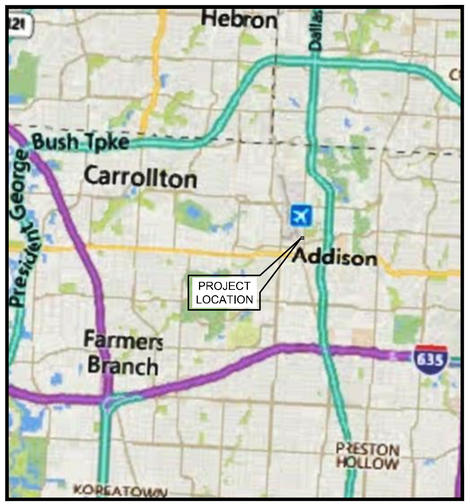
GALAXY FBO

BLACK FOREST VENTURE INC.

ADDISON AIRPORT (ADS)

ADDISON, DALLAS COUNTY, TEXAS 75001

TOWN PROJECT # 2019-09D



AREA MAP

NOT TO SCALE

BLACK FOREST VENTURES

24 WATERWAY AVE., SUITE 225
THE WOODLANDS, TEXAS 77380
PHONE: (832) 813-7373

VICINITY MAP

NOT TO SCALE

PREPARED BY:

Kimley»Horn

1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
CONTACT: JAY MALO (281) 475-2823

ARCHITECT:

PGAL

3131 BRIARPARK DR., SUITE 200
HOUSTON, TX 77042

MEP:

VOLT AIR

5353 WEST ALABAMA, SUITE 400
HOUSTON, TX 77056

STRUCTURAL:

HENDERSON ROGERS

2603 AUGUSTA, SUITE 800
HOUSTON, TX 77057

CIVIL:

KIMLEY-HORN:

1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn

© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: (832) 813-7373
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
LICENSED PROFESSIONAL ENGINEER

01/08/20

KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

COVER SHEET

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C00.01

Plotted By:Acevedo, Elioth Sheet Set:Kha Layout:C00.01 January 09, 2020 06:14:06am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C00.00 COVER SHEET.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

SHEET LIST TABLE	
Sheet Number	Sheet Title
C00.01	COVER SHEET
C00.02	INDEX OF DRAWINGS
C00.03	SAFETY NOTES
C00.04	CONSTRUCTION NOTES
C00.05	SURVEY CONTROL
C00.06	SITE PLAN
C00.07	PHASE I SAFETY PLAN
C00.08	PHASE II SAFETY PLAN
C00.09	SAFETY DETAILS
C00.10	FIRE SAFETY PLAN
C01.00	EXISTING CONDITIONS OVERALL
C01.01	EXISTING CONDITIONS
C01.02	EXISTING CONDITIONS
C01.03	EXISTING CONDITIONS
C01.04	EXISTING CONDITIONS
C01.05	EXISTING CONDITIONS
C01.06	EXISTING CONDITIONS
C02.00	EROSION CONTROL PLAN OVERALL
C02.01	EROSION CONTROL PLAN
C02.02	EROSION CONTROL PLAN
C02.03	EROSION CONTROL DETAILS
C02.04	EROSION CONTROL DETAILS
C03.00	DEMOLITION PLAN KEY MAP
C03.01	DEMOLITION PLAN
C03.02	DEMOLITION PLAN
C03.03	DEMOLITION PLAN
C03.04	DEMOLITION PLAN
C04.00	AIRSIDE GEOMETRY PLAN KEY MAP
C04.01	AIRSIDE GEOMETRY PLAN
C04.02	AIRSIDE GEOMETRY PLAN
C04.03	AIRSIDE PAVEMENT TYPICAL SECTIONS
C05.00	GEOMETRY LANDSIDE PLAN
C05.01	GEOMETRY LANDSIDE PLAN
C05.02	GEOMETRY LANDSIDE PLAN
C05.03	GEOMETRY LANDSIDE PLAN
C05.04	GEOMETRY LANDSIDE POINT TABLE
C05.05	LANDSIDE PAVEMENT DETAILS
C05.06	LANDSIDE PAVEMENT DETAILS
C06.00	AIRSIDE JOINT LAYOUT PLAN KEY MAP
C06.01	AIRSIDE JOINT LAYOUT PLAN
C06.02	AIRSIDE JOINT LAYOUT PLAN
C06.03	AIRSIDE JOINT DETAILS
C06.04	AIRSIDE JOINT DETAILS
C07.00	LANDSIDE JOINT LAYOUT PLAN KEY MAP
C07.01	LANDSIDE JOINT LAYOUT PLAN
C07.02	LANDSIDE JOINT LAYOUT PLAN
C07.03	LANDSIDE JOINT LAYOUT PLAN
C07.04	LANDSIDE JOINT DETAILS
C08.00	AIRSIDE PAVEMENT ELEVATION PLAN KEY MAP
C08.01	AIRSIDE PAVEMENT ELEVATION PLAN
C08.02	AIRSIDE PAVEMENT ELEVATION PLAN
C08.03	AIRSIDE PAVEMENT ELEVATION PLAN
C09.00	LANDSIDE PAVEMENT ELEVATION PLAN KEY MAP
C09.01	LANDSIDE PAVEMENT ELEVATION PLAN
C09.02	LANDSIDE PAVEMENT ELEVATION PLAN
C09.03	LANDSIDE PAVEMENT ELEVATION PLAN

SHEET LIST TABLE	
Sheet Number	Sheet Title
C10.00	GRADING PLAN KEY MAP
C10.01	GRADING PLAN
C10.02	GRADING PLAN
C10.03	GRADING PLAN
C10.04	GRADING PLAN
C10.05	GRADING PLAN
C10.06	GRADING PLAN
C10.07	GRADING PLAN
C10.08	GRADING SECTIONS
C11.00	EXISTING DRAINAGE AREA MAP
C11.01	PROPOSED DRAINAGE AREA MAP
C11.02	DRAINAGE AREA CALCULATIONS
C11.03	DETENTION POND AND OUTFALL CALCULATIONS
C11.04	DETENTION POND LAYOUT PLAN
C12.00	STORM DRAINAGE PLAN KEY MAP
C12.01	STORM DRAINAGE PLAN
C12.02	STORM DRAINAGE PLAN SD-1
C12.03	STORM DRAINAGE PLAN SD-1
C12.04	STORM DRAINAGE PLAN SD-1
C12.05	STORM DRAINAGE PLAN SD-2 AND 3
C12.06	STORM DRAINAGE PLAN SD-2, 4, AND 5
C12.07	STORM DRAINAGE PLAN SD-2 AND 6
C12.08	STORM DRAINAGE PROFILES SHEET
C12.09	STORM DRAINAGE PROFILES SHEET
C12.10	STORM DRAINAGE DETAILS
C12.11	STORM DRAINAGE DETAILS
C12.12	STORM DRAINAGE DETAILS
C12.13	STORM DRAINAGE DETAILS
C12.14	STORM DRAINAGE DETAILS
C13.00	SANITARY SEWER PLAN KEY MAP
C13.01	SANITARY SEWER PLAN SAN SWR 1
C13.02	SANITARY SEWER PLAN SAN SWR 1 AND 2
C13.03	SANITARY SEWER PROFILE
C13.04	SANITARY DETAILS
C13.05	SANITARY DETAILS
C14.00	WATERLINE PLAN KEY MAP
C14.01	WATERLINE PLAN
C14.02	WATERLINE PLAN
C14.03	WATERLINE BLOW UP PLAN
C14.04	WATERLINE PROFILES
C14.05	WATERLINE PROFILES
C14.06	WATERLINE DETAILS
C14.07	WATERLINE DETAILS
C15.00	DRY UTILITY LAYOUT PLAN
C16.00	PAVEMENT MARKING PLAN KEY MAP
C16.01	PAVEMENT MARKING PLAN
C16.02	PAVEMENT MARKING PLAN
C16.03	PAVEMENT MARKING PLAN
C16.04	PAVEMENT MARKING PLAN
C16.05	PAVEMENT MARKING PLAN
C16.06	PAVEMENT MARKING PLAN
C16.07	PAVEMENT MARKING DETAILS
C16.08	PAVEMENT MARKING DETAILS
C17.00	FENCING PLAN KEY MAP
C17.01	FENCING PLAN
C17.02	FENCING PLAN
C17.03	FENCE DETAILS
C17.04	FENCE DETAILS
C17.05	FENCE DETAILS

SHEET LIST TABLE	
Sheet Number	Sheet Title
C18.01	TAXIWAY EDGE LIGHTS PLAN
C18.02	ELECTRICAL DETAILS
C18.03	ELECTRICAL DETAILS
LP 1.01	LANDSCAPE PLAN
LP 1.02	LANDSCAPE PLAN
LP 2.01	LANDSCAPE DETAILS
LI 1.01	IRRIGATION PLAN
LI 1.02	IRRIGATION PLAN
LI 2.01	IRRIGATION DETAILS & SPECS

SAFETY NOTES:

1. GENERAL OPERATIONAL PROCEDURES

OPERATIONS DURING CONSTRUCTION: THE CONTRACTOR SHALL PROVIDE ESCORT SERVICES TO ALL CONTRACTOR VEHICLES TRAVELING WITHIN THE AOA TO AND FROM THE CONSTRUCTION WORK ZONE.

2. DEFINITIONS

ADG – AIRCRAFT DESIGN GROUP
AIRFIELD - CONSISTS OF ALL RUNWAY AND TAXIWAY PAVEMENTS, AS WELL AS RUNWAY AND TAXIWAY SAFETY AREAS.
AOA - AIRPORT OPERATING AREA
OFA - TAXIWAY OBJECT FREE AREA
SWPPP - STORM WATER POLLUTION PREVENTION PLAN
TSA - TAXIWAY SAFETY AREA
RSA - RUNWAY SAFETY AREA
OFZ - OBJECT FREE ZONE
AIRCRAFT RATING FOR THIS PROJECT 100,000 LBS

3. AREAS AND OPERATIONS AFFECTED BY CONSTRUCTION ACTIVITY

WHILE OPERATING INSIDE THE AOA, THE CONTRACTOR SHALL PROVIDE APPROVED FLAGMEN AND/OR ESCORTS TO CONTROL ALL CONSTRUCTION TRAFFIC.

4. NAVAIDS

CONTRACTOR SHALL NOT IMPACT ANY NAVAID OPERATION DURING CONSTRUCTION OF THIS PROJECT, UNLESS APPROVED BY THE AIRPORT.

5. SEPARATION OF CONSTRUCTION TRAFFIC FROM AIRPORT MOVEMENT AREAS

a. AIRCRAFT OPERATION SHALL AT ALL TIMES HAVE PRIORITY OVER ALL VEHICLES, EQUIPMENT AND PERSONNEL. THE CONTRACTOR SHALL EMPLOY STRICT MEASURES TO PREVENT ANY CONFLICT WITH AIRCRAFT ON ANY ACTIVE AIRFIELD PAVEMENT. THE CONTRACTOR SHALL REMAIN CLEAR OF ALL ACTIVE AIRFIELD AREAS UNLESS BEING ESCORTED BY AN AIRPORT APPROVED ESCORT OR AN AUTHORIZED FLAGMAN IS PRESENT. VEHICLE MOVEMENT IN ACTIVE AIRFIELD AREAS IS PROHIBITED UNLESS AUTHORIZED BY AIR TRAFFIC CONTROL PERSONNEL AND THE VEHICLE OPERATOR HAS SUCCESSFULLY COMPLETED THE AOA DRIVING PROGRAM ADMINISTERED THROUGH THE AIRPORT OPERATIONS DEPARTMENT.

b. IN AIRFIELD AREAS, THE CONTRACTOR SHALL PROVIDE APPROVED FLAGMEN AND/OR ESCORTS AS SHOWN ON THE PLANS FOR ALL CONSTRUCTION TRAFFIC ENTERING AND/OR LEAVING WORK LIMITS.

c. NO PRIVATE VEHICLES WILL BE ALLOWED WITHIN THE AIRPORT OPERATIONS AREA (AOA). CONTRACTOR VEHICLES ARE TO BE PROPERLY MARKED WITH CONSTRUCTION COMPANY NAME OR LOGO AND PROPER AIRPORT SECURITY IDENTIFICATION.

8. PROCEDURES AND EQUIPMENT TO DELINEATE CLOSED CONSTRUCTION AREAS

a. THE CONTRACTOR SHALL PROVIDE, INSTALL AND MAINTAIN FLASHING LIGHTS AND BARRICADES ALONG TAXIWAY EDGES WHEREVER OPEN EXCAVATIONS OR IRREGULAR GRADES ARE LEFT WITHIN THE SAFETY AREA OF AN ACTIVE TAXIWAY OR WHERE TEMPORARY PAVEMENT CLOSURES OR AIRCRAFT LIMITATIONS ARE REQUIRED. BARRICADES SHALL BE SPACED NO MORE THAN 12-FEET ON CENTER OR AS NOTED ALONG THE AFFECTED PAVEMENT EDGE OR ACROSS THE PAVEMENT OF A CLOSED TAXIWAY. THE CONTRACTOR SHALL MAINTAIN THE LIGHTS AND BARRICADES IN AN OPERABLE CONDITION FOR THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL FURNISH THE OWNER A CONTACT NUMBER FOR 24-HOUR MAINTENANCE OF LIGHTS AND BARRICADES.

b. TYPES OF BARRICADES AND THE LOCATIONS SHOWN FOR PLACEMENT ON ALL DRAWINGS ARE SUBJECT TO CHANGE. LOCATIONS ARE TYPICAL AND MAY BE ALTERED TO FIT ANY PARTICULAR SEQUENCE OF CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE THE PLACEMENT OF ALL AIRCRAFT BARRICADES WITH THE OWNER.

9. LIMITATIONS ON CONSTRUCTION

a. OPEN-FLAME WELDING OR TORCH-CUTTING OPERATIONS ARE PROHIBITED UNLESS ADEQUATE FIRE AND SAFETY PRECAUTIONS ARE PRESENT AND HAVE BEEN APPROVED BY THE OWNER.

b. THE CONTRACTOR SHALL HAVE ACCESS TO THE AIRPORT ONLY AT THOSE ACCESS POINTS DESIGNATED ON THE SAFETY PLAN OR APPROVED BY THE OWNER. ALL OTHER ACCESS SHALL BE BY SPECIAL REQUEST AND SUBJECT TO APPROVAL BY THE OWNER.

c. ACCESS TO THE CONSTRUCTION WORK AREA SHALL BE DISCUSSED AND APPROVED BY OWNER. SPECIAL ACCESS REQUIREMENTS AND OPERATING LIMITATIONS ARE REQUIRED INSIDE THE AOA FENCE. ALL CONTRACTORS' PERSONNEL, EQUIPMENT AND MATERIALS SHALL BE CONFINED TO THE OWNER'S APPROVED WORK LIMITS. CONTRACTOR'S ROUTES CAN CHANGE PRIOR TO AND DURING CONSTRUCTION.

d. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES TO PROTECT EXISTING, ABOVEGROUND AND BELOW GROUND IMPROVEMENTS THAT ARE TO REMAIN IN-PLACE. ALL SUCH IMPROVEMENTS OR STRUCTURES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR RECONSTRUCTED TO THE OWNER'S SATISFACTION AT THE CONTRACTOR'S EXPENSE.

10. COMPLIANCE WITH AIRPORT SAFETY & SECURITY MEASURES

a. ALL CONSTRUCTION FOR THIS PROJECT SHALL CONFORM TO THE GUIDELINES SET FORTH IN FEDERAL AVIATION ADMINISTRATION (FAA) **AC 150/5370-2F** "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION", AND THESE PLANS AND SPECIFICATIONS. CONSTRUCTION ACTIVITIES ARE NOT PERMITTED ON AIRPORT PROPERTY WITHOUT THE PRIOR WRITTEN APPROVAL OF THE OWNER.

b. THE CONTRACTOR SHALL COMPLY WITH ALL SECURITY REQUIREMENTS SPECIFIED HEREIN. THE CONTRACTOR SHALL DESIGNATE IN WRITING TO THE OWNER THE NAME OF ITS "SECURITY OFFICER". THE CONTRACTOR'S SECURITY OFFICER SHALL REPRESENT THE CONTRACTOR ON THE SECURITY (IDENTIFICATION AND BADGING) REQUIREMENTS OF THE CONTRACT. THE CONTRACTOR'S SECURITY OFFICER SHALL BE RESPONSIBLE FOR BRIEFING ALL CONTRACTOR PERSONNEL ON THESE REQUIREMENTS.

c. ALL CONTRACTOR PERSONNEL SHALL COMPLY WITH THE AIRPORT'S SAFETY PLAN. THE SAFETY, AIRPORT ID AND SECURITY PROGRAMS ARE UNDER CONSTANT REVIEW BY THE TSA AND THE AUTHORITY AND ARE SUBJECT TO CHANGE.

d. THE CONTRACTOR SHALL CONTROL THE ON-AIRPORT MOVEMENT AND ACTIVITIES OF ITS EMPLOYEES AND SUBCONTRACTORS AT ALL TIMES.

e. THE CONTRACTOR SHALL ACQUAINT ITS SUPERVISORS AND EMPLOYEES WITH THE AIRPORT ACTIVITIES AND OPERATIONS THAT ARE INHERENT TO THIS AIRPORT AND SHALL CONDUCT ITS CONSTRUCTION ACTIVITIES TO CONFORM TO ALL ROUTINE AND EMERGENCY AIR TRAFFIC REQUIREMENTS AND TO THE GUIDELINES ON SAFETY AND SECURITY.

f. THE OWNER MAY ORDER THE CONTRACTOR TO SUSPEND OPERATIONS; MOVE PERSONNEL, EQUIPMENT, AND MATERIALS TO A SAFE LOCATION; AND STAND BY UNTIL AIRCRAFT USE IS COMPLETED.

g. NO RUNWAY, TAXIWAY, APRON OR AIRFIELD ROADWAY MAY BE CLOSED WITHOUT WRITTEN APPROVAL OF AIRPORT OPERATIONS IN ADVANCE. AIRPORT OPERATIONS WILL ISSUE THE NECESSARY NOTICES TO AIRMEN (NOTAMS) OR ADVISORIES TO AIRPORT SERVICES AND TENANTS. THE CONTRACTOR SHALL SUBMIT WRITTEN REQUESTS FOR CLOSURES TO THE AIRPORT ENGINEER A MINIMUM OF 3 FULL BUSINESS DAYS PRIOR TO ANY CLOSURE. THE AIRPORT ENGINEER WILL COORDINATE THE WORK WITH AIRPORT OPERATIONS. THE CONTRACTOR SHALL NOT CONTACT AIRPORT OPERATIONS DIRECTLY UNLESS DIRECTED OTHERWISE BY THE AIRPORT ENGINEER.

h. THE CONTRACTOR SHALL CONTROL DUST AND DEBRIS FROM HIS OPERATIONS MEETING THE REQUIREMENTS OF ADVISORY CIRCULAR 150/5370-2F FOR THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL MAINTAIN OPERATIONAL POWER SWEEPERS, WATERING TRUCKS AND OTHER EQUIPMENT ON-SITE AT ALL TIMES FOR DUST AND DEBRIS CONTROL. FAILURE TO PROPERLY CONTROL DUST AND DEBRIS OR TO RESPOND TO ANY REQUEST TO DO SO MAY RESULT IN STOPPING CONSTRUCTION ACTIVITIES AND/OR PENALTIES.

i. WORK IN TSA: NO CONSTRUCTION MAY OCCUR WITHIN THE TSA WHILE THE TAXIWAY IS OPEN FOR AIRCRAFT OPERATIONS. OPEN TRENCHES OR EXCAVATIONS ARE NOT PERMITTED WITHIN THE TSA WHILE THE TAXIWAY IS OPEN. IF POSSIBLE, BACKFILL TRENCHES BEFORE TAXIWAY IS OPENED. IF THE TAXIWAY MUST BE OPENED BEFORE EXCAVATIONS ARE BACKFILLED, COVER THE EXCAVATIONS APPROPRIATELY. COVERING FOR OPEN TRENCHES MUST BE DESIGNED TO ALLOW THE SAFE OPERATION OF THE HEAVIEST AIRCRAFT OPERATING ON THE TAXIWAY ACROSS THE TRENCH WITHOUT DAMAGE TO THE AIRCRAFT.

j. WORK IN OFA: NO CONSTRUCTION MAY OCCUR WITHIN THE OFA WHILE THE TAXIWAY IS OPEN FOR AIRCRAFT OPERATIONS.

11. STOCKPILED MATERIALS, SITE PARKING AND ACCESS AND HAUL ROADS

a. STOCKPILED MATERIALS AND EQUIPMENT STORAGE ARE NOT PERMITTED WITHIN THE SAFETY AREA AND OFZ OF AN OPERATIONAL RUNWAY OR TAXIWAY. CONTRACTOR SHALL PROMINENTLY MARK AND LIGHT, DURING HOURS OF RESTRICTED VISIBILITY AND DARKNESS, STOCKPILED MATERIALS AND EQUIPMENT ADJACENT TO THESE AREAS. CONTRACTOR SHALL STORE MATERIALS AT AN OWNER APPROVED LOCATION IN A MANNER TO PREVENT FOREIGN OBJECT DAMAGE AND ATTRACTION OF WILDLIFE.

b. THE LOCATION OF HAUL ROUTES SHALL BE AS SHOWN ON THE PLANS. THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL LAWS REGARDING OFF-SITE HAUL ROUTES AND SHALL ASSUME FULL RESPONSIBILITY FOR DAMAGE CAUSED BY HIS OPERATIONS. ON-SITE HAUL ROUTES SHALL BE MAINTAINED BY THE CONTRACTOR AND RESTORED TO THEIR ORIGINAL CONDITION AT PROJECT COMPLETION, UNLESS OTHERWISE NOTED.

12. VEHICLE IDENTIFICATION

ALL CONSTRUCTION EQUIPMENT AUTHORIZED TO OPERATE ON THE AIRPORT WITHIN THE DESIGNATED LIMITS OF CONSTRUCTION OR HAUL ROUTES AS DEFINED HEREIN, SHALL DISPLAY IN FULL VIEW ABOVE THE VEHICLE A 3'X3' OR LARGER ORANGE AND WHITE CHECKERBOARD FLAG. EACH CHECKERBOARD COLOR SHALL BE 1-FT SQUARE. WHEN OPERATING DURING PERIODS OF DARKNESS OR LIMITED VISIBILITY, CONTRACTOR'S VEHICLE SHALL BE EQUIPPED WITH ROTATING OR FLASHING AMBER LIGHTS.

13. TRENCHES AND EXCAVATION REQUIREMENTS

THE CONTRACTOR MUST PROMINENTLY MARK OPEN TRENCHES AND EXCAVATIONS AT THE CONSTRUCTION SITE WITH RED OR ORANGE FLAGS, AS APPROVED BY THE OWNER, AND LIGHT THEM WITH RED LIGHTS DURING HOURS OF RESTRICTED VISIBILITY OR DARKNESS.

14. WATER LINES, FIRE HYDRANTS AND EMERGENCY ACCESS ROUTES

a. ANY MOVEMENT BY THE AIRCRAFT RESCUE AND FIRE FIGHTING (ARFF) VEHICLES OR ANY OTHER EMERGENCY EQUIPMENT WILL HAVE THE RIGHT-OF-WAY AT ALL TIMES DURING CONSTRUCTION OF ALL THE PHASES INCLUDED WITHIN THIS CONTRACT.

b. WATER LINES AND HYDRANTS REQUIRED FOR PIPE COVERAGE MUST BE INSTALLED AND OPERATIONAL PRIOR TO BUILDING "GOING VERTICAL". PROJECT HYDRANTS AND VALVES MUST REMAIN ACCESSIBLE DURING THE REMAINING CONSTRUCTION.

16. WILDLIFE MANAGEMENT

THE CONTRACTOR SHALL PERFORM CONSTRUCTION OPERATIONS AS NECESSARY TO MINIMIZE PONDING OF WATER WITHIN THE CONSTRUCTION LIMITS TO PREVENT THE ATTRACTION OF WILDLIFE.

17. FOREIGN OBJECT DEBRIS (FOD) CONTROL

a. CONTRACTOR GENERATED DEBRIS, WASTE AND LOOSE MATERIAL CAPABLE OF CAUSING DAMAGE TO AIRCRAFT LANDING GEAR, PROPELLERS, ROTORS, OR OF BEING INGESTED BY JET ENGINES SHALL NOT BE ALLOWED ON ANY ACTIVE AIRCRAFT OPERATION AREAS. CONSTRUCTION DEBRIS WITHIN THESE AREAS SHALL BE REMOVED CONTINUOUSLY DURING WORKING HOURS. AT THE END OF EACH DAY OR AS DIRECTED BY THE OWNER, THE CONTRACTOR SHALL CLEAN AND REMOVE, TO THE SATISFACTION OF THE OWNER, ALL FOREIGN DEBRIS FROM ALL TAXIWAYS, RUNWAYS, AND APRONS PRIOR TO LEAVING THE SITE. CONTRACTOR SHALL CONTINUOUSLY SWEEP AND CLEAN THE CONSTRUCTION HAUL ROUTES DURING THE CONTRACTOR'S WORKDAY.

b. THE CONTRACTOR SHALL BE REQUIRED TO MINIMIZE DUST CREATED BY CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL APPLY WATER AS APPROVED BY THE OWNER AND AS NECESSARY TO CONTROL DUST. IN THE EVENT THAT DUST CREATED BY CONSTRUCTION ACTIVITIES BECOMES A HAZARD TO AIRFIELD OPERATIONS AND/OR AIRCRAFT NAVIGATION, CONSTRUCTION ACTIVITIES WILL BE SHUT DOWN. THIS SHUTDOWN TIME WILL NOT BE A BASIS FOR CLAIMS FOR ADDITIONAL CONTRACT TIME OR COMPENSATION. ALL COST FOR CONTROLLING DUST OR POLLUTANTS OF ANY KIND SHALL BE INCIDENTAL TO THE CONTRACT.

18. HAZARDOUS MATERIALS (HAZMAT) MANAGEMENT

THE CONTRACTOR SHALL USE, MANAGE, HANDLE AND DISPOSE OF ALL "HAZARDOUS MATERIALS" IN STRICT ACCORDANCE WITH ALL ENVIRONMENTS LAWS. FOR THE PURPOSES OF THIS PROJECT, THE TERM "HAZARDOUS MATERIAL" SHALL BE DEFINED IN THE BROADEST SENSE TO ENCOMPASS ANY AND ALL SUBSTANCES, MATERIALS, WASTES, POLLUTANTS OR OILS REFERRED TO IN ANY ENVIRONMENTAL LAW AS TOXIC, RADIOACTIVE, DANGEROUS, OR WITH ANY OTHER SIMILAR TERM. ENVIRONMENTAL LAWS SHALL BE DEFINED TO MEAN ALL APPLICABLE FEDERAL, STATE, AND LOCAL STATUTES, ORDINANCES, REGULATIONS, RULES, POLICIES, CODES AND GUIDELINES IN EFFECT DURING THE TERM OF THE PROJECT.

19. NOTAM ISSUANCE

IN ORDER FOR THE CONTRACTOR TO OPERATE WITHIN AIRFIELD AREA, APPROPRIATE NOTICES TO AIRMEN (NOTAM) MUST BE ISSUED BY THE OWNER THROUGH THE FLIGHT SERVICE STATION. THESE NOTICES PROVIDE INFORMATION ON CLOSED, LIMITED OR HAZARDOUS CONDITIONS TO AIRMEN AND USERS OF THE AIRPORT. A 48-HOUR NOTICE IS REQUIRED FOR ISSUANCE OF ANY NOTAM. ALL CONSTRUCTION OPERATIONS MUST BE CLOSELY COORDINATED WITH THE OWNER FOR NOTAM ISSUANCE.

21. LOCATION AND PROTECTION OF EXISTING UNDERGROUND FACILITIES IN EXCAVATION AREAS

THE EXISTING UTILITIES, CABLES, DUCTS, MANHOLES, ETC., SHOWN ON THE PLANS HAVE BEEN LOCATED BY USING AVAILABLE INFORMATION. IT IS NOT GUARANTEED THAT ALL EXISTING, UNDERGROUND FACILITIES ARE SHOWN OR THAT THEIR LOCATIONS ARE ACCURATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF ALL UNDERGROUND FACILITIES WITHIN THE LIMITS OF CONSTRUCTION. ALL EXISTING UTILITIES, CABLES, EQUIPMENT, DEVICES, ETC. TO REMAIN IN SERVICE, WHICH ARE DAMAGED IN THE COURSE OF THE CONTRACT, SHALL BE IMMEDIATELY REPAIRED AT THE CONTRACTOR'S EXPENSE.

22. PROCEDURES FOR CONTACTING RESPONSIBLE REPRESENTATIVES FOR ALL INVOLVED PARTIES

THE CONTRACTOR'S PROJECT SUPERINTENDENT SHALL BE ON THE CONSTRUCTION SITE AT ALL TIMES DURING WORKING HOURS WHILE THIS PROJECT IS IN PROGRESS. THE CONTRACTOR'S PROJECT SUPERINTENDENT SHALL BE THE DESIGNATED RESPONSIBLE CONTRACTOR REPRESENTATIVE AND SHALL BE AVAILABLE IN CASE OF EMERGENCIES ON A 24-HOUR BASIS.

23. NONCOMPLIANCE WITH AIRPORT RULES AND REGULATIONS AND THE SAFETY PLAN

ANYONE FOUND IN VIOLATION OF THE AIRPORT RULES AND REGULATIONS AND SAFETY PLAN MAY BE PROMPTLY AND PERMANENTLY REMOVED FROM THE JOB SITE AND MAY BE SUBJECT TO ARREST FOR ALL PUNISHABLE STATE AND FEDERAL OFFENSES.

24. SPECIAL CONDITIONS

a. DURING LOW VISIBILITY CONDITIONS, THE ONLY AUTHORIZED VEHICLES ALLOWED IN THE AIRFIELD AREAS WILL BE AIRPORT OPERATIONS, DEPARTMENT OF PUBLIC SAFETY (DPS), MAINTENANCE AND FAA AIRWAY FACILITIES.

GENERAL NOTES:

1. THE EXISTING CONDITIONS ILLUSTRATED WITHIN THESE PROJECT PLANS ARE DEVELOPED FROM AS-BUILT INFORMATION SUPPLEMENTED BY TOPOGRAPHICAL SURVEY AND GEOTECHNICAL INVESTIGATIONS. THE DESIGNER DOES NOT WARRANT THESE EXISTING CONDITIONS INFORMATION AS ALL-INCLUSIVE OR EXACT BUT RATHER AS THE BEST AVAILABLE KNOWLEDGE TRANSFER AT THE TIME OF PROJECT DEVELOPMENT.
2. THE CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING WORK. SHOULD THE CONTRACTOR DISCOVER ANY CONDITIONS NOT REFLECTED WITHIN THE PROJECT DOCUMENTS, HE SHALL NOTIFY THE ENGINEER IMMEDIATELY.
3. THE CONTRACTOR SHALL REVIEW, LOCATE AND VERIFY THE CONDITION OF ALL AIRFIELD UTILITIES WITH THE AIRFIELD MAINTENANCE STAFF PRIOR TO BEGINNING WORK WITHIN THE IMMEDIATE AREA.
4. THE CONTRACTOR SHALL SECURE MATERIALS STOCKPILED WITHIN THE CONSTRUCTION AREA TO PREVENT ITS MOVEMENT OR EROSION RESULTING FROM AIRCRAFT BLAST, WIND CONDITION AND/OR RAINFALL. THE CONTRACTOR IS RESPONSIBLE FOR THE IMMEDIATE CLEANUP OF ANY DEBRIS ON AIRFIELD PAVEMENTS WITHIN THE PROJECT WORK AREA. THE CONTRACTOR SHALL SWEEP AND/OR VACUUM ALL ACTIVE PAVEMENT AREAS AFFECTED BY THE WORK ON A DAILY BASIS. IN ADDITION, THE CONTRACTOR SHALL SWEEP/CLEAN PAVED ROADWAYS ALONG THE PROJECT HAUL ROUTES AND IMMEDIATELY CLEAN UP MUD FALLING ON ANY PAVEMENTS OUTSIDE OF THE LIMITS OF CONSTRUCTION OR RESULTING FROM HIS HAULING ACTIVITIES.
5. THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS THAT ARE PERTINENT TO THIS WORK. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN, MAINTAIN AND PAY ALL COSTS ASSOCIATED WITH ANY PERMITS AND LICENSES REQUIRED TO ACCOMPLISH THE WORK. THESE COSTS ARE INCIDENTAL TO THE WORK AND WILL NOT BE PAID FOR SEPARATELY.
6. MATERIAL PRODUCED AS A RESULT OF THE CONTRACTOR'S OPERATIONS THAT ARE NOT OTHERWISE USEABLE BY THE AIRPORT SHALL BE DISPOSED OF OFF AIRPORT PROPERTY IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS. THE WILL BE NO SEPARATE PAY ITEM FOR WASTE MATERIAL DISPOSAL.

EROSION CONTROL NOTES:

1. EROSION CONTROLS SHALL BE IN ACCORDANCE WITH THE STORM WATER POLLUTION PREVENTION PLAN DRAWINGS.
2. PROVIDE AND MAINTAIN FILTER FABRIC, AROUND THE SITE ACCESS FOR EROSION CONTROL.

PROJECT SEQUENCING NOTES:

1. CONTRACTOR SHALL CONSTRUCT TEMPORARY AOA FENCE AS INDICATED ON FENCING PLANS. THE INTENT IS TO CONSTRUCT THE APRON AND FACILITIES IN A NON-AOA ENVIRONMENT.
2. INSTALL SWPPP ITEMS AND HAVE THEM INSPECTED .
3. THE TAXILANE CONNECTION TO TO EXISTING TAXIWAY K WILL BE WORK WITHIN AOA ENVIRONMENT. THIS WORK MUST BE COORDINATED WITH AIRPORT OPERATIONS AND FOLLOW ALL THE SECURED AREA REQUIREMENTS AND RESTRICTIONS.
4. ALL FLAT WORK, APRON, UTILITY, DRIVE AND BUILDING FOUNDATIONS WILL BE CONSTRUCTED PRIOR TO VERTICAL CONSTRUCTION.
5. TWO ROWS OF APRON PANELS WILL BE OMITTED DURING THE FLAT WORK PHASE, TO PROVIDE A LAYOUT AREA AND PLATFORM FOR REQUIRED CRANES.
6. CONSTRUCT NEW AOA FENCE AND HAVE IT INSPECTED AND APPROVED BY OPERATION PRIOR TO DEMOLITION OF TEMPORARY AOA FENCE.

REGULATION NOTES:

1. ALL GRADING SHALL MEET FAA FEDERAL REGULATIONS AND GUIDELINES (PROWAG, WHERE APPROPRIATE).
2. ALL AIRFIELD MARKINGS SHALL COMPLY WITH CURRENT ADVISOR CIRCULAR AC150-5340.

SAFETY/SECURITY NOTES:

1. PAVEMENT CLOSURES - NO PART OF A RUNWAY, TAXIWAY, APRON OR AIRPORT ROADWAY SHALL BE CLOSED WITHOUT APPROVAL OF AIRPORT OPERATIONS. TO ENABLE NECESSARY NOTICES TO AIRMEN (NOTAMS) OR ADVISORIES TO AIRPORT SERVICES OR TENANTS, A MINIMUM OF 72 HOURS WRITTEN NOTICE OF REQUESTED CLOSING SHALL BE DIRECTED TO THE OWNER'S AUTHORIZED REPRESENTATIVE, AND ENGINEER WHO WILL COORDINATE THE REQUEST WITH AIRPORT OPERATIONS.
2. STOCKPILE, EROSION, AND DUST CONTROL - STOCKPILED MATERIAL AND OPEN EXCAVATIONS SHALL BE TREATED IN SUCH A MANNER AS TO PREVENT MOVEMENT RESULTING FROM AIRCRAFT BLAST OR WIND CONDITIONS IN EXCESS OF 10 KNOTS. STOCKPILED MATERIALS SHALL NOT BE PERMITTED WITHIN 400' OF AN ACTIVE RUNWAY CENTERLINE OR 100' FROM AN ACTIVE TAXIWAY CENTERLINE, LOCATION TO BE APPROVED BY ENGINEER.
3. DEBRIS AND DUST CONTROL - DEBRIS, WASTE AND LOOSE MATERIAL SHALL NOT BE ALLOWED ON ACTIVE AIRCRAFT MOVEMENT AREAS. IF OBSERVED TO BE ON ACTIVE AIRCRAFT MOVEMENT AREAS, THE MATERIAL WILL BE REMOVED IMMEDIATELY BY THE CONTRACTOR. THE ENGINEER MAY DIRECT THAT DEBRIS PROBLEMS DURING CONSTRUCTION, NOT CORRECTED BY THE CONTRACTOR, BE CORRECTED BY OTHERS AT THE EXPENSE OF THE CONTRACTOR. THE CONTRACTOR SHALL PROVIDE A MINIMUM OF ONE WATER TRUCK OPERATING ON SITE DURING PERIODS OF WORK FOR DEBRIS AND DUST CONTROL ALONG HAUL ROUTES AND IN GENERAL WORK AREA. ADDITIONAL POWER BROOMS TO BE PROVIDED AS DIRECTED BY THE ENGINEER. NO SEPARATE PAY.
4. CONSTRUCTION COORDINATION COMMITTEE - A COMMITTEE SHALL BE ESTABLISHED CONCURRENT WITH THE LIFE OF THIS CONTRACT TO MONITOR AND COORDINATE SECURITY PROVISIONS, ADOPT NEW SECURITY PROVISIONS IF REQUIRED AND REVIEW AND APPROVE ALL MATTERS OF AIRPORT SECURITY RELATING TO THIS CONTRACT. MEETINGS SHALL BE SCHEDULED BY THE ENGINEER. COMMITTEE MEMBERSHIP SHALL INCLUDE THE CONTRACTOR SECURITY OFFICER, ENGINEER AND AIRPORT OPERATIONS PERSONNEL.
5. CONTRACTOR PERSONNEL SECURITY ORIENTATION - THE CONTRACTOR SECURITY OFFICER SHALL BE RESPONSIBLE FOR BRIEFING ALL CONTRACTOR PERSONNEL ON THESE REQUIREMENTS AND, FROM TIME TO TIME, OTHER SECURITY PROVISIONS ADOPTED BY THE CONSTRUCTION SECURITY AND COORDINATION COMMITTEE. ALL NEW CONTRACTOR EMPLOYEES SHALL BE BRIEFED ON THESE REQUIREMENTS PRIOR TO WORKING IN THE CONSTRUCTION AREA.
6. ACCESS TO THE SITE - CONTRACTOR'S ACCESS TO THE SITE SHALL BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL NOT PERMIT ANY UNAUTHORIZED PERSONNEL OR TRAFFIC ON THE SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRAFFIC CONTROL TO AND FROM THE VARIOUS CONSTRUCTION AREAS ON THE SITE AND THE SECURITY OF ALL PERIMETER GATES ASSIGNED AS ACCESS TO THE SITE. THE CONTRACTOR IS RESPONSIBLE FOR THE IMMEDIATE CLEAN-UP OF ANY DEBRIS DEPOSITED ALONG ANY ACCESS ROAD AS A RESULT OF THEIR CONSTRUCTION TRAFFIC. DIRECTIONAL SIGNING AT THE ACCESS GATE AND ALONG THE DELIVERY ROUTE TO THE STORAGE AREA OR WORK SITE SHALL BE AS DIRECTED BY THE ENGINEER.
7. MATERIALS DELIVERY TO THE SITE - ALL CONTRACTOR'S MATERIAL ORDER FOR DELIVERY TO THE SITE WILL USE THE ACCESS POINT AT THE CONTRACTOR'S STORAGE SITE AS A DELIVERY ADDRESS AT THE AIRPORT.
8. CONSTRUCTION AREA LIMITS - THE LIMITS OF CONSTRUCTION, MATERIAL STORAGE AREAS, EQUIPMENT STORAGE AREA, PARKING AREA AND OTHER AREAS REQUIRED FOR THE CONTRACTOR'S EXCLUSIVE USE DURING CONSTRUCTION SHALL BE MARKED BY THE CONTRACTOR AND APPROVED BY THE OWNER AND ENGINEER. THE CONTRACTOR SHALL ERECT AND MAINTAIN SUITABLE FENCING, SIGNAGE, AND WARNING DEVICES VISIBLE FOR BOTH DAY/NIGHT USE TO DELINEATE THE PERIMETER OF ALL SUCH AREAS.

BARRICADE NOTES:

1. FOR TAXIWAY CLOSURES, COORDINATE THE LOCATION OF BARRICADES WITH THE AIRPORT AND/OR ENGINEER.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LIGHTING AND MAINTAINING THE BARRICADES DURING CONSTRUCTION OF THE ENTIRE PROJECT AND FOR RELOCATING THE BARRICADES AS REQUIRED BY PHASING.
3. INSTALL A MINIMUM OF 2 BATTERY OPERATED WARNING LIGHTS W/ PHOTO CELL CONTROL EQUALLY SPACED PER EACH 10 LF OF BARRICADE SECTION. LIGHTS SHALL MAINTAIN SUCH INTENSITY SO AS TO BE READILY IDENTIFIED FROM DISTANCES OF 200' OR GREATER DURING DARKNESS PERIODS.
4. BARRICADES ARE TO BE CONTINUOUS ACROSS THE ENTIRE WIDTH OF THE FACILITY TO BE CLOSED.
5. MAINTENANCE AND MANIPULATION OF BARRICADES INCLUDING REPLACING LENSES, BULBS, BATTERIES AND REPAINTING BARRICADES IS NOT MEASURED SEPARATELY AS IT IS INCIDENTAL TO THE WORK.
6. ALL BARRICADES SHALL BE MOVED AT LEAST ONCE EACH MONTH AND THE CONTRACTOR SHALL SWEEP THE DEBRIS WHICH HAS ACCUMULATED AND REMOVE FROM SITE. THE BARRICADES SHALL THEN BE REPLACED AT THE APPROPRIATE LOCATION.

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-1888 FAX: 281-419-1928
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
LICENSED PROFESSIONAL ENGINEER
01/08/20

KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN | DESIGNED BY HCV | DRAWN BY EC EAC | CHECKED BY HCV

SAFETY NOTES

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C00.03

Plotted By:Acevedo, Elioth Sheet Set:Kha Layout:C00.03 January 09, 2020 06:14:30am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C00.03 GENERAL NOTES.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

CONSTRUCTION SAFETY NOTES

1. ALL WORK INSIDE THE TAXIWAY OBJECT FREE AREA (93' FROM TAXIWAY CENTERLINE) SHALL BE COORDINATED WITH THE AIRPORT.

2. WORK INSIDE THE TAXIWAY SAFETY AREA (59' FROM TAXIWAY CENTERLINE) IS RESTRICTED TO NIGHT TIME WORK HOURS. THE TAXIWAY WILL REQUIRE A CLOSURE WITH LOW LEVEL BARRICADES. NO WORK SHALL TAKE PLACE INSIDE THE TAXIWAY SAFETY AREA WHILE THE TAXIWAY IS ACTIVE.

GENERAL NOTES

1. MATERIALS, CONSTRUCTION AND TESTING TO BE IN ACCORDANCE WITH THE TOWN OF ADDISON ORDINANCES AND SPECIFICATIONS, LATEST PRINTING AND AMENDMENTS THERETO.

2. CONTRACTOR TO OBTAIN ALL DEVELOPMENT AND CONSTRUCTION PERMITS REQUIRED BY THE TOWN OF ADDISON AND DALLAS COUNTY, TEXAS, AT HIS EXPENSE PRIOR TO COMMENCEMENT OF WORK.

3. CONTRACTOR SHALL GIVE NOTICE TO ALL AUTHORIZED INSPECTORS, SUPERINTENDENTS OR PERSONS IN CHARGE OF PRIVATE AND PUBLIC UTILITIES OR RAILROADS AFFECTED BY HIS OPERATIONS AND THE TOWN OF ADDISON, DEPARTMENT OF PUBLIC WORKS AND ENGINEERING, (TELEPHONE: (972-450-2871) 48 HOURS PRIOR TO COMMENCEMENT OF WORK IN STREET RIGHT-OF-WAY OR EASEMENTS.

4. ALL EXISTING UNDERGROUND UTILITIES ARE NOT GUARANTEED TO BE COMPLETED OR DEFINITE, BUT WERE OBTAINED FROM THE BEST INFORMATION AVAILABLE. CONTRACTOR HAS SOLE RESPONSIBILITY FOR FIELD VERIFICATION OF ALL EXISTING FACILITIES SHOWN ON DRAWINGS. CONTRACTOR SHALL COORDINATE ALL CONFLICTS WITH THE APPROPRIATE GOVERNING AGENCY.

5. THE LOCATION OF UTILITIES ARE SHOWN IN AN APPROXIMATE WAY CALLING THE UTILITY COMPANIES, AT LEAST 48 HOURS BEFORE COMMENCING WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH OCCURS DUE TO HIS FAILURE TO REQUEST THE LOCATION AND PRESERVATION OF THESE UNDERGROUND FACILITIES. ANY DAMAGE TO EXISTING FACILITIES INCURRED AS A RESULT OF CONSTRUCTION OPERATIONS WILL BE REPAIRED BY THE CONTRACTOR AT HIS OWN EXPENSE.

6. TEXAS LAW ARTICLE 1436C, PROHIBITS ALL ACTIVITIES IN WHICH PERSONS OR EQUIPMENT MAY COME WITHIN 6 FEET OF ENERGIZED OVERHEAD POWER LINES, AND FEDERAL REGULATION, TITLE 29, PART 1910.130 (1) AND PART 1926.440 (A) (15) REQUIRE A MINIMUM CLEARANCE OF 10 FEET FROM THESE FACILITIES. THE ABOVE LAWS CARRY BOTH CRIMINAL AND CIVIL LIABILITIES, WITH CONTRACTORS AND OWNERS BEING LEGALLY RESPONSIBLE FOR THE SAFETY OF WORKERS UNDER THESE LAWS. IF YOU OR YOUR COMPANY MUST WORK NEAR OVERHEAD POWER LINES, CALL THE POWER COMPANY FOR THE LINES TO BE DE-ENERGIZED AND/OR MOVED AT YOUR EXPENSE.

7. CONSTRUCTION SHALL COMPLY WITH THE LATEST REVISIONS OF OSHA REGULATIONS AND STATE OF TEXAS LAW CONCERNING TRENCHING AND SHORING. CONTRACTOR SHALL PROVIDE A TRENCH SAFETY SYSTEM TO MEET, AS A MINIMUM, THE REQUIREMENTS OF OSHA SAFETY AND HEALTH REGULATION, PART 1926, SUB-PART P AS PUBLISHED IN THE FEDERAL REGISTER, VOLUME 54, NO. 209, DATED OCTOBER 31, 1989.

8. DETAILS PREPARED BY THE TOWN OF ADDISON DO NOT EXTEND TO OR INCLUDE DESIGNS OR SYSTEMS PERTAINING TO THE SAFETY OF THE CONTRACTOR OR ITS EMPLOYEES, AGENTS OR REPRESENTATIVES IN THE PERFORMANCE OF THE WORK. THE CONSTRUCTION CONTRACTOR SHALL PREPARE OR OBTAIN THE APPROPRIATE SAFETY SYSTEMS, INCLUDING THE PLANS AND SPECIFICATIONS REQUIRED BY CHAPTER 756, SUBCHAPTER "C" OF THE TEXAS HEALTH AND SAFETY CODE.

9. CONTRACTOR SHALL COVER OPEN EXCAVATIONS WITH ANCHORED STEEL PLATES DURING NON-WORKING HOURS, ALONG EXISTING ROADWAYS AND TRAFFIC AREAS.

10. ADEQUATE DRAINAGE SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION OF ANY DRAINAGE DITCH OR FOR ANY STRUCTURE DISTURBED DURING CONSTRUCTION. STORM RUNOFF SHALL COMPLY WITH STORM WATER MANAGEMENT FOR CONSTRUCTION ACTIVITIES AND THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) REQUIREMENTS.

11. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE FLAGMEN, SIGNING, AND STRIPING AND WARNING DEVICES, ETC., DURING CONSTRUCTION IN ACCORDANCE WITH THE MOST CURRENT EDITION OF THE "TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES."

12. EXISTING PAVEMENTS, CURBS, SIDEWALKS AND DRIVEWAYS DAMAGED OR REMOVED DURING CONSTRUCTION SHALL BE REPLACED TO THE TOWN OF ADDISON STANDARDS. ALL ASPHALT AND CONCRETE DRIVEWAYS EXCAVATED DURING CONSTRUCTION SHALL BE BACKFILLED WITH STABILIZED MATERIAL AND RETURNED TO EXISTING CONDITIONS. ALL STATE AND COUNTY PAVEMENT AND RAILROAD RIGHT-OF-WAYS TO BE BORED ACCORDING TO THE RULES, REGULATIONS AND REQUIREMENTS OF APPROVAL AND ACCEPTANCE BY SAID AGENCIES.

13. UPON COMPLETION OF THE PROJECT ALL EXISTING ROADS AND/OR RIGHT-OF-WAYS SHALL BE RETURNED TO THEIR ORIGINAL CONDITION.

14. AFTER DISTURBED AREAS HAVE BEEN COMPLETED TO THE LINES, GRADES, AND CROSS SECTIONS SHOWN ON THE PLANS, SODDING SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENT OF THE PLANS AND SPECIFICATIONS TO ESTABLISH ADEQUATE VEGETATION COVERAGE TO ELIMINATE EROSION. IF NO PROVISION FOR PLANTING GRASS IS INCLUDED IN THE PLANS OR SPECIFICATIONS, THE MINIMUM REQUIREMENT OF THIS ITEM WILL BE IN ACCORDANCE WITH THE TEXAS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR "SODDING FOR EROSION CONTROL."

15. ALL TRENCHES, INCLUDING TRENCHES FOR LEADS AND STUBS UNDER PAVEMENT AND TO A POINT ONE (1) FOOT BACK OF ALL CURBS SHALL BE BACKFILLED WITH CEMENT STABILIZED SAND AS PER SPECIFICATION TO A POINT IMMEDIATELY BELOW THE SUBGRADE. TRENCHES OTHER THAN UNDER PAVEMENT SHALL BE BACKFILLED WITH SUITABLE EARTH MATERIAL IN 6 INCH LAYERS AND MECHANICALLY COMPACTED TO A DENSITY OF NOT LESS THAN 95 PERCENT OF THE MAXIMUM DRY DENSITY AS DETERMINED BY THE STANDARD PROCTOR COMPACTION TEST (ASTM DESIGNATION D-698/AASHTO T99). MOISTURE CONTENT OF BACKFIELD SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CEMENT STABILIZED SAND SPECIFICATIONS. SEE CITY STANDARD DETAIL SHEETS FOR BEDDING AND OTHER DESIGN REQUIREMENTS.

16. CONTRACTOR TO REMOVE EXISTING PLUGS AND CONNECT TO EXISTING UTILITY LINES AS INDICATED ON PLANS.

17. UNLESS OTHERWISE NOTED ON PLANS, WHERE MANHOLES ARE LOCATED WITHIN THE UTILITY EASEMENTS, THE CONTRACTOR SHALL SET RIM ELEVATIONS TWO INCHES ABOVE FINISHED GROUND ELEVATIONS.

18. THE CONTRACTOR IS TO SUBMIT DEWATERING PLANS TO THE ENGINEER FOR APPROVAL PRIOR TO COMMENCEMENT OF WORK.

19. CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING THE MUD AND/OR DIRT DEPOSITED ON EXISTING PAVEMENT DUE TO HIS CONSTRUCTION ACTIVITY ON A DAILY BASIS. ALL EQUIPMENT AND DEBRIS FROM CONSTRUCTION IS TO BE MOVED UPON COMPLETION OF THE PROJECT.

20. HAUL ROUTES - LOCATION OF HAUL ROUTES ON THE AIRPORT SITE SHALL BE APPROVED BY THE ENGINEER. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE OFF-SITE HAUL ROUTES (STATE HIGHWAYS, COUNTY ROADS OR CITY STREETS) WITH THE APPROPRIATE OWNER WHO HAS JURISDICTION OVER THE AFFECTED ROUTE. THE CONTRACTOR SHALL NOTIFY THE CITY AND OBTAIN THEIR APPROVAL OF ROUTES TO BE TAKEN BY HAULING EQUIPMENT. THE CONTRACTOR WILL NOTIFY THE APPROPRIATE AGENCIES AND MAKE ALL NECESSARY ARRANGEMENTS AND OBTAIN PERMITS FOR TRAFFIC CONTROL DURING HAULING OPERATIONS. ON-SITE HAUL ROUTES SHALL BE MAINTAINED BY THE CONTRACTOR AND SHALL BE RESTORED TO THEIR ORIGINAL CONDITION UPON COMPLETION OF THE PROJECT. A CONDITION REPORT OF THE BEFORE AND AFTER CONDITIONS OF ON-SITE HAUL ROUTES SHALL BE PREPARED JOINTLY BY THE CONTRACTOR AND THE ENGINEER. FENCING, DRAINAGE, GRADING, AND TEMPORARY HAUL ROUTES OR ACCESS POINTS ON THE AIRPORT WILL BE THE CONTRACTOR'S TOTAL RESPONSIBILITY AND SHALL BE APPROVED BY THE ENGINEER.

21. STAGING AREA - THE CONTRACTOR'S STAGING AREAS ARE SHOWN ON SHEET C-5.0. THE CONTRACTOR SHALL MAKE PROVISIONS FOR ANY REQUIRED UTILITIES. CONTRACTOR TO PROVIDE SECURITY FENCE AROUND UTILIZED STAGING AREAS. UPON COMPLETION OF THIS PROJECT, THE CONTRACTOR SHALL RESTORE THE STAGING AREAS, INCLUDING REMOVAL OF UTILITIES, GRADING, TOPSOIL, AND SEEDING, COMPLETE TO THE SATISFACTION OF THE ENGINEER. NO SEPARATE PAY FOR WORK ASSOCIATED WITH ESTABLISHING AND RESTORING CONTRACTOR STAGING AREAS.

22. CONSTRUCTION LIMITS - ALL CONTRACTOR VEHICLES AND TRAFFIC SHALL REMAIN WITHIN THE LIMITS OF CONSTRUCTION AREAS, STAGING AREAS OR HAUL ROUTES.

23. WHEN THE CONTRACTOR CONTEMPLATES WORKING AFTER "DUSK", HE/SHE SHALL PROVIDE ADEQUATE FLOODLIGHTING OF A MINIMUM FIVE (5) FOOT CANDLES AT THE WORK AREA UNLESS OTHERWISE PROVIDED FOR IN THESE SPECIFICATIONS.

24. WATER - THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WATER USED IN CONSTRUCTION AND ALL TEMPORARY AND PERMANENT CONNECTIONS. TEMPORARY CONNECTIONS SHALL BE REMOVED WHEN PERMANENT CONNECTIONS ARE MADE.

25. SANITARY - THE CONTRACTOR SHALL PROVIDE SERVICED CHEMICAL TOILETS.

26. TELEPHONE - THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TELEPHONE SERVICE AS REQUIRED FOR HIS/HER REQUIREMENTS.

SECONDARY CONTAINMENT FOR REFUELING OPERATION

1. THE CONTRACTOR SHALL TAKE PRECAUTIONS TO ENSURE AGAINST DISCHARGE OF POLLUTANTS INTO SURFACE WATERS AND THE ENVIRONMENT DURING REFUELING OPERATIONS PURSUANT TO LOCAL, STATE AND FEDERAL REGULATIONS. POLLUTANTS ARE DEFINED AS OIL OF ANY KIND, IN ANY FORM AND DERIVATIVES THEREOF. DISCHARGE INCLUDES, BUT IS NOT LIMITED TO ANY SPILLING, LEAKING, SEEPING, POURING, EMITTING, OR DUMPING. REFUELING OPERATIONS SHALL BE CONTROLLED BY THE PLACEMENT OF IMPERVIOUS SURFACES AND/OR CONTAINMENT STRUCTURES. THIS PROTECTION SHALL BE EXTENDED TO ALL MOBILE REFUELING OPERATIONS, MOBILE EQUIPMENT AND FIELD SERVICING OF MOBILE EQUIPMENT THAT USE THE POLLUTANTS, THROUGH THE FOLLOWING METHODS:

   A. DURING MOBILE REFUELING OPERATIONS ADEQUATE IMPERVIOUS CONTAINMENT WILL BE PROVIDED TO ENSURE NO POLLUTANT SHALL COME IN CONTACT WITH PERVIOUS SOILS, STORM WATER SYSTEMS, OR SURFACE WATERS.

   B. WHEN MOBILE EQUIPMENT, SUCH AS PUMPS, GENERATORS, ETC., ARE BEING OPERATED IN THE FIELD, SUFFICIENT IMPERVIOUS CONTAINMENT SHALL BE PROVIDED TO ENSURE THAT NO POLLUTANTS SHALL COME IN CONTACT WITH SOILS, STORM WATER SYSTEMS, OR SURFACE WATERS.

   C. WHEN MOBILE EQUIPMENT IS BEING SERVICED IN THE FIELD, PRECAUTIONS WILL BE TAKEN TO ENSURE NO POLLUTANTS SHALL COME IN CONTACT WITH SOILS, STORM WATER SYSTEMS OR SURFACE WATERS. IN ADDITION, ANY USED OIL AND/OR OIL CONTAMINATED MATERIALS SHALL BE DISPOSED OF AS SPECIFIED IN LOCAL, STATE AND FEDERAL REGULATIONS.

2. THE CONTRACTOR SHALL PREPARE A WRITTEN PLAN FOR STAGING PROCEDURES IN CONFORMANCE WITH THE GENERAL OUTLINES SHOWN ON THE DRAWINGS. THE CONTRACTOR IS EXPECTED TO PROVIDE ADDED DETAILING AS APPROPRIATE TO FULLY INFORM THE RESIDENT PROJECT REPRESENTATIVE AND THE OWNER OF HIS INTENDED METHOD OF OPERATIONS AND HIS SCHEDULES FOR THE VARIOUS STAGES OF THE WORK. THIS PLAN SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW WITH THE OWNER. FOLLOWING THIS REVIEW AND ANY CORRECTIONS BY THE CONTRACTOR AS A RESULT OF THIS REVIEW, THE PLAN WILL BE RECIRCULATED AND APPROVED. THIS APPROVED PLAN WILL THEN FORM THE BASIS OF THE CONTRACTOR'S REQUIREMENTS FOR STAGING PROVISIONS THROUGHOUT THE PROJECT. ALL COSTS ASSOCIATED WITH PREPARING THE STORAGE AND STAGING AREA SITE SHALL BE BORNE BY THE CONTRACTOR. THIS INCLUDES, BUT IS NOT LIMITED TO, CLEARING AND GRADING OF THE SITE, STABILIZATION OF THE WORK YARD SURFACE, CONSTRUCTION OF ALL TEMPORARY UTILITIES, ACCESS ROADS, ALL SECURITY FENCING, AND RESTORATION OF STAGING AREAS (INCLUDING SEEDING AND MULCHING), DISTURBED AREAS, ETC. THE ENGINEER RESERVES THE RIGHT TO MAKE CHANGES TO THIS PLAN TO FACILITATE CHANGES TO THE AIRPORT OPERATIONS WHICH ARE IN THE BEST INTEREST OF THE AIRPORT.

SANITARY SEWER CONSTRUCTION NOTES

1. SANITARY SEWERS SHALL BE CONSTRUCTED IN COMPLIANCE WITH THE LATEST CITY SPECIFICATIONS FOR SEWER CONSTRUCTION, AND TESTED AS SPECIFIED IN THE CITY TEST PROCEDURE FOR EITHER LIQUID OR AIR, INCLUDING ALL AMENDMENTS AND REVISIONS THERETO. BACKFILL AND BEDDING FOR SANITARY SEWERS MUST MEET ALL MINIMUM ASPECTS OF ASTM D-2321.

2. MANHOLE CONCRETE BOTTOM FOUNDATION SHALL BE 12" REINFORCED WITH # 5 BARS AT 12", ON CENTERS, EACH WAY, WITH A MINIMUM OF 6" EXTRA SLAB LENGTH AROUND THE MANHOLE, IF POURED IN PLACE. APPROVED CHEMICALS SHALL BE USED FOR PATCHING AROUND MANHOLE JOINTS. MORTAR CEMENT WILL NOT BE ACCEPTED.

3. NO SEWER PIPE SHALL BE LAID ON AN UNSTABLE FOUNDATION. SELECTED MATERIAL SHALL BE USED AND/OR WET SAND CONSTRUCTION DETAILS, WHICHEVER APPLIES IN THE OPINION OF THE ENGINEER. NO PIPE SHALL BE COVERED WITHOUT APPROVAL OF THE ENGINEER OR HIS REPRESENTATIVE.

4. A DEFLECTION TEST SHALL BE REQUIRED AFTER THE BACKFILL HAS BEEN IN PLACE A MINIMUM OF 30 DAYS. THIS TEST SHALL BE DONE BY PULLING A HAND LINE WITH AN ATTACHED MANDREL FROM MANHOLE TO MANHOLE. THE MANDREL SHALL HAVE AN OUTSIDE DIAMETER THAT IS AT LEAST 95% OF THE ORIGINAL INSIDE DIAMETER OF THE PIPE. MANDREL TO BE MANUFACTURED WITH A MINIMUM OF SEVEN (7) RUNNERS, WITH EACH RUNNER BEING A MINIMUM OF 5 INCHES LONG. ANY PIPE NOT MEETING TEST REQUIREMENTS TO REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE. THE TEST SHALL BE PERFORMED WITHOUT MECHANICAL PULLING DEVICES.

5. INFILTRATION/EXFILTRATION NOT TO EXCEED 200 GALLONS PER INCH DIAMETER PER MILE OF PIPE FOR 24 HOURS UNDER A MINIMUM OF 2 FEET OF HEAD, OR AN AIR TEST SHALL BE REQUIRED IN ACCORDANCE WITH ASTM C-E28.

6. WHERE A SEWER LINE HAS LESS THAN TWO (2) FEET OF COVER, PROVIDE CEMENT STABILIZED SAND BACKFILL MATERIAL.

7. CONTRACTOR SHALL KEEP RECORD OF LOCATION OF ALL STACKS, STUBS, SEWER LEADS, ETC. THE AS-BUILT MYLAR DRAWINGS MUST SHOW THE EXACT LOCATION.

WATERLINE CONSTRUCTION NOTES

1. CONTRACTOR SHALL PROVIDE THRUST BLOCKING PER THE TOWN OF ADDISON STANDARD DETAILS TO WITHSTAND TEST PRESSURE AS SPECIFIED.

2. PRIOR TO INSTALLATION OF WATER METER, WATER METER LEAD OR METERED FIRE SPRINKLER LINE, THE CONTRACTOR SHALL CONTACT THE PERMIT DIVISION.

3. ALL WATER MAINS SHALL BE HYDROSTATICALLY TESTED BEFORE BACTERIOLOGICAL TESTING IN ACCORDANCE WITH AWWA STANDARD C-600.

4. ALL WATER PIPING SHALL BE DISINFECTED AND BACTERIOLOGICAL TESTED PRIOR TO USE IN ACCORDANCE WITH AWWA STANDARD C-601.

5. ALL WATER MAINS 4" THROUGH 12" SHALL BE C-900 (SDR-18).

PAVEMENT NOTES

1. THE CONTRACTOR SHALL MEET THE REQUIREMENTS OF ALL FEDERAL AVIATION ADMINISTRATION (FAA) CONSTRUCTION SPECIFICATIONS FOR ALL AIRFIELD WORK.

2. THE CONTRACTOR SHALL MEET THE THE TOWN OF ADDISON PAVEMENT NOTES AND DETAILS FOR NON-AIRFIELD PAVEMENT.

3. T.C. INDICATES TOP OF CURB ELEVATION T.P. INDICATES TOP OF PAVEMENT.

4. ALL SUBGRADE AND EMBANKMENT AREAS SHALL BE STRIPPED OF ALL ORGANIC AND UNSUITABLE MATERIAL BEFORE STABILIZATION OR FILLING IS BEGUN. MATERIAL USED FOR FILL SHALL BE CERTIFIED BY A LAB TO HAVE A PLASTICITY INDEX BETWEEN 10 AND 20 AS PER SPECIFICATION P-151. REFERENCE GEOTECHNICAL ENGINEERING REPORT FOR THE PROPOSED ADDISON AIRPORT, FBO & HANGAR (PROJECT #2012-009-023) BY MTEC COMPANIES, LLC., DATED MARCH 29, 2019.

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-1888 FAX: 281-419-1828
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
LICENSED PROFESSIONAL ENGINEER
01/08/20

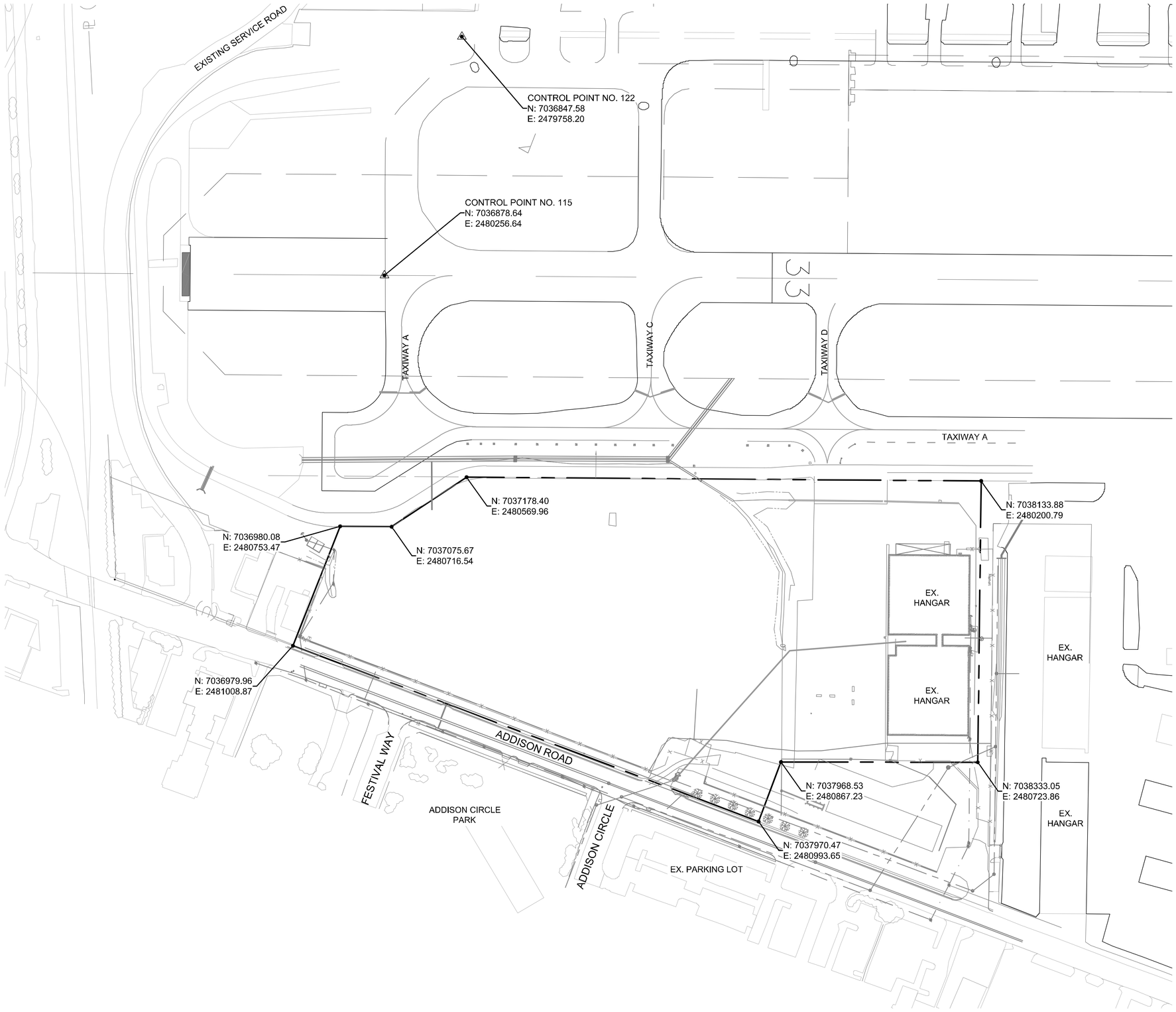
KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

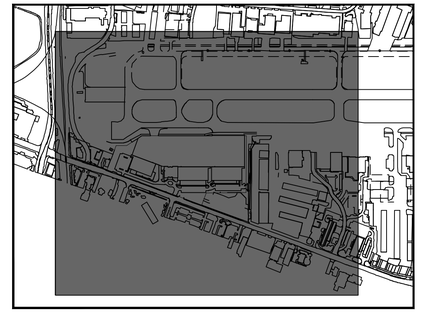
CONSTRUCTION NOTES

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C00.04

Plotted By:Acevedo, Eliath Sheet Set:Kha Layout:C00.04 January 09, 2020 06:14:33am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C00.03 GENERAL NOTES.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.





KEY PLAN

NORTH

NOTES:

1) HORIZONTAL AND VERTICAL SURVEY CONTROL IS BASED ON THE ADDISON AIRPORT CONTROL NETWORK AND BROUGHT TO SURFACE COORDINATES BY APPLYING A PROJECT SCALE FACTOR TO 1.000126422.

2) FIR DENOTES A FOUND IRON ROD.

3) SIR DENOTES A 5/8" IRON ROD SET WITH PLASTIC CAP STAMPED 'SPARR SURVEYS'.

4) SET MAG NAIL DENOTES A MAGNETIC NAIL SET WITH FLASHER STAMPED 'RPLS 3701'.

5) THIS SURVEY DOES NOT CONSTITUTE A TITLE SEARCH BY SPARR SURVEYS TO DETERMINE OWNERSHIP OR EASEMENTS OF RECORD. FOR ALL INFORMATION PERTAINING TO EASEMENTS, RIGHTS-OF-WAY AND RECORD TITLE, SPARR SURVEYS HAS RELIED UPON INFORMATION PROVIDED BY ADDISON AIRPORT.

SURVEY CONTROL COORDINATES:

- POINT 115 IS SHOWN IN THE FILE, IT IS THE SOUTH CENTERLINE MONUMENT FOR THE RUNWAY @ COORDINATES N 7,036,878.64 E 2,480,256.64 ELEV. 636.13.
- POINT 114 IS A BRASS MONUMENT MARKING THE NORTH CENTERLINE OF THE RUNWAY @ COORDINATES N 7,043,594.26530 E 2,477,661.91050 ELEV. 636.58.
- POINT 122 IS THE CLOSEST AIRPORT CONTROL MONUMENT, #AA-4CKIN @ COORDINATES N 7,036,847.57730 E 2,479,758.19520 ELEV. 632.16

THIS PLAN CONFORMS WITH DESIGN STANDARDS INCLUDED IN THE TOWN OF ADDISON TRANSPORTATION PLAN, WATER SYSTEM REQUIREMENTS, WASTE WATER SYSTEM REQUIREMENTS, AND DRAINAGE CRITERIA MANUAL.

FLOOD PLAIN NOTE:
NO FLOODPLAIN EXISTS ONSITE.PER FEMA FIRM 48113C0180K, DATE 07/07/2014, THIS SITE IS ZONE X UNSHADED, AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANGE FLOOD PLAIN.

GRAPHIC SCALE IN FEET
0 50 100 200

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 832-823-2200
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
PROFESSIONAL ENGINEER
01/08/20

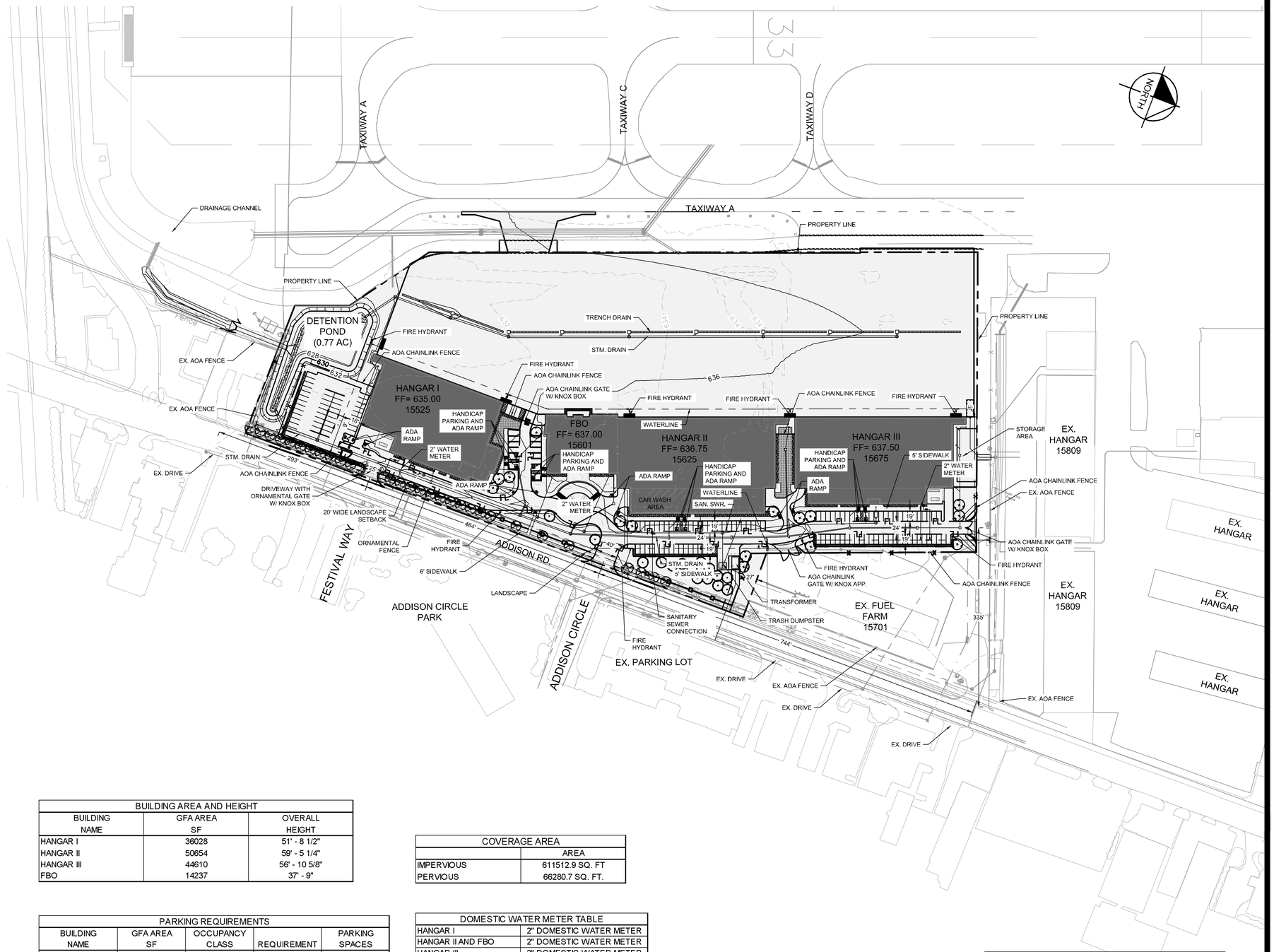
KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

SURVEY CONTROL

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C00.05

Plotted By:Acevedo, Eliath Sheet Set:Kha Layout:C00.05 January 09, 2020 06:14:48am K:\WDL_Aviation\067792503 - Addison Galaxy FBO\ACAD\dwg\Sheets\C00.05 SURVEY CONTOL.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



BUILDING AREA AND HEIGHT		
BUILDING NAME	GFA AREA SF	OVERALL HEIGHT
HANGAR I	36028	51' - 8 1/2"
HANGAR II	50654	59' - 5 1/4"
HANGAR III	44610	56' - 10 5/8"
FBO	14237	37' - 9"

PARKING REQUIREMENTS				
BUILDING NAME	GFA AREA SF	OCCUPANCY CLASS	REQUIREMENT	PARKING SPACES
HANGAR I	36028	4F	1.0sp/2000 sf	18.01
HANGAR II	50654	4F	1.0sp/2000 sf	25.33
HANGAR III	44610	4F	1.0sp/2000 sf	22.31
FBO	14237	1A	2.5sp/1000 sf	35.59
			TOTAL SPACES	101

STANDARDS FOR ACCESSIBILITY ADA	
Total parking spaces provided	149
ADA section 208.2: ADA spaces provided	8
ADA Section 208.2.4: Van Accessible	8

COVERAGE AREA	
	AREA
IMPERVIOUS	611512.9 SQ. FT
PERVIOUS	66280.7 SQ. FT.

DOMESTIC WATER METER TABLE	
HANGAR I	2" DOMESTIC WATER METER
HANGAR II AND FBO	2" DOMESTIC WATER METER
HANGAR III	2" DOMESTIC WATER METER

IRRIGATION WATER METER TABLE	
IRRIGATION	2" IRRIGATION WATER METER

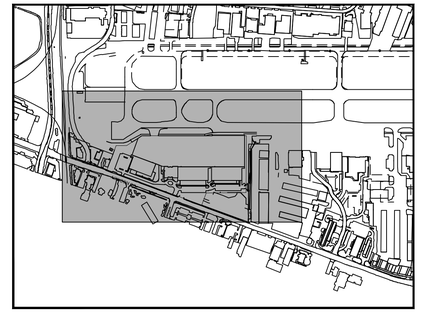
FIRE SERVICE TABLE	
HANGAR I	4" FIRE SERVICE
HANGAR II AND FBO	4" FIRE SERVICE
HANGAR III	4" FIRE SERVICE

PROPERTY USE:	PRIVATE APRON AND HANGAR
PROPERTY AREA:	15.65 ACRES / 677,793.6 SQ. FT.

LEGEND

CIVIL PACKAGE (THIS SUBMITTAL)

ARCHITECTURE PACKAGE (PACKAGE II NOT THIS SUBMITTAL)



KEY PLAN

THIS PLAN CONFORMS WITH DESIGN STANDARDS INCLUDED IN THE TOWN OF ADDISON TRANSPORTATION PLAN, WATER SYSTEM REQUIREMENTS, WASTE WATER SYSTEM REQUIREMENTS, AND DRAINAGE CRITERIA MANUAL.

FLOOD PLAIN NOTE:
NO FLOODPLAIN EXISTS ONSITE,PER FEMA FIRM 48113C0190K, DATE 07/07/2014, THIS SITE IS ZONE X UNSHADED, AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANGE FLOOD PLAIN.

TOWN OF ADDISON SITE PLAN NOTES:

1. ANY REVISION TO THIS PLAN WILL REQUIRE TOWN OF ADDISON APPROVAL AND WILL REQUIRE REVISIONS TO ANY CORRESPONDING PLANS TO AVOID CONFLICTS BETWEEN PLANS.
2. OPEN STORAGE, WHERE PERMITTED, SHALL BE SCREENED IN ACCORDANCE WITH THE ZONING ORDINANCE.
3. BUILDINGS WITH AN AGGREGATE SUM OF 5,000 SQUARE FEET OR GREATER ON A LOT SHALL HAVE AUTOMATIC FIRE SPRINKLERS INSTALLED THROUGHOUT ALL STRUCTURES. ALTERNATIVE FIRE PROTECTION MEASURES MAY BE APPROVED BY THE FIRE DEPARTMENT.
4. ALL SIGNAGE IS SUBJECT TO TOWN APPROVAL.
5. ALL FENCES AND RETAINING WALLS SHALL BE SHOWN ON THE SITE PLAN AND ARE SUBJECT TO BUILDING INSPECTION DIVISION APPROVAL.
6. HANDICAP PARKING IS PROVIDED IN ACCORDANCE WITH THE ADA STANDARDS/

ZONING:

ZONE CLASS: i-3

ZN CLS DESC: INDUSTRIAL-3 DISTRICT

ACTION

	APPROVED	DENIED
STAFF	Date	Initials
COUNCIL	Date	Initials

See the Staff Approval Letter of Council Result Memo for any conditions associated with the approval of the project.

OWNER	ENGINEERING/APPLICANT
BLACK FOREST VENTURES 24 WATERWAY AVE., SUITE 225 THE WOODLANDS, TX. 77380	KIMLEY-HORN 1400 WOODLOCH FOREST DR., SUITE 225 THE WOODLANDS, TX. 77380
PROPOSED SUBDIVISION NAME:	ADDSION GALAXY FBO
BLOCK DESIGNATION:	NA
LOT NUMBER:	NA
ACREAGE:	15.65 ACRES
ABSTRACT/SURVEY NAME AND NUMBER:	EDWARD COOK SURVEY/ ABSTRACT No. 326
TOWN OF ADDISION NUMBER:	2019-09D
PREPARATION DATE:	7/15/2019

GRAPHIC SCALE IN FEET
0 50 100 200

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-1888
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
PROFESSIONAL ENGINEER
01/08/20

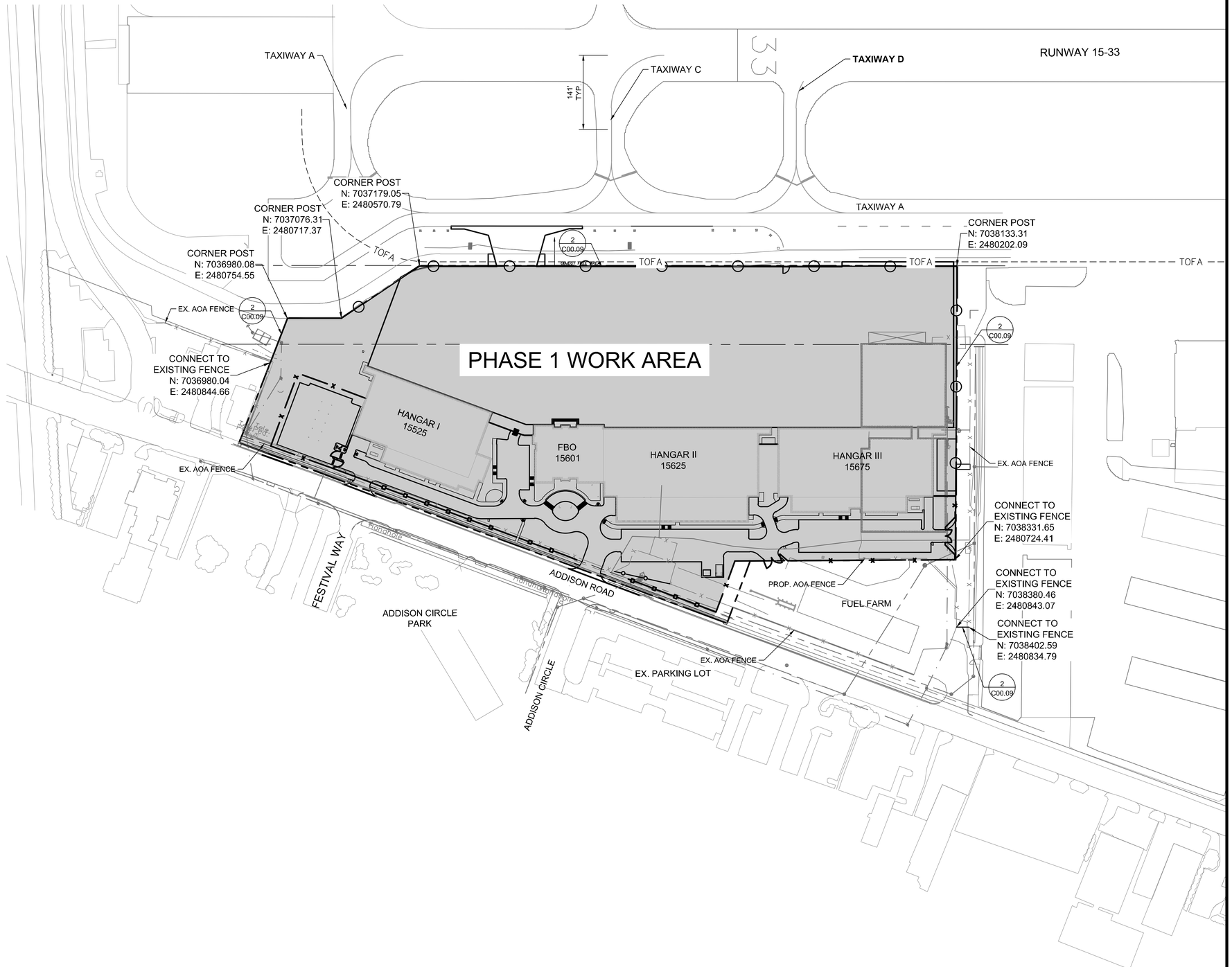
KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

SITE PLAN

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C00.06

Plotted By:Acevedo, Eliath Sheet Set:Kha Layout:C00.06 January 09, 2020 06:15:12pm K:\WDL_Aviation\067792503 — Addison Galaxy FBO\CAD\dwg\Sheets\C00.06 SITE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



NOTES – PHASE I:

1. THE SCOPE OF WORK OF THIS PROJECT WILL REQUIRE PERSONNEL AND EQUIPMENT WITHIN THE AIRPORT'S ACTIVE AIRPORT OPERATION AREA (AOA).
   a. THE CONTRACTOR SHALL CONTROL THE MOVEMENT AND ACTIVITIES OF ITS EMPLOYEES AND SUBCONTRACTORS AT ALL TIMES.
   b. THE CONTRACTOR SHALL ACQUAINT ITS SUPERVISORS AND EMPLOYEES WITH THE AIRPORT ACTIVITIES AND OPERATIONS INHERENT TO ADDISON AIRPORT AND SHALL CONDUCT ITS CONSTRUCTION ACTIVITIES TO CONFORM TO ALL ROUTINE AND EMERGENCY AIR TRAFFIC REQUIREMENTS.
   c. NO PRIVATE VEHICLES WILL BE ALLOWED WITHIN THE AOA. CONTRACTOR VEHICLES ARE TO BE PROPERLY MARKED WITH THE CONSTRUCTION COMPANY NAME, LOGO AND PROPER AIRPORT SECURITY IDENTIFICATION.
   d. ALL CONSTRUCTION SHALL CONFORM TO THE GUIDELINES SET FORTH IN THE FEDERAL AVIATION ADMINISTRATION (FAA) AC 150/5370-2F "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION".
2. THIS PROJECT IS DIVIDED INTO TWO DISTINCT PHASES:
   a. PHASE I INCLUDES ALL WORK NOT WITHIN THE TAXIWAY OBJECT FREE AREA (TOFA). THE TOFA FOR TAXIWAY A (TW A) ADJACENT TO THE PROJECT SITE IS 93 FEET PERPENDICULAR TO THE TAXIWAY CENTERLINE.
   b. PHASE II INCLUDES ALL WORK WITHIN THE TAXIWAY OBJECT FREE AREA AS ILLUSTRATED ON SHEET C00.08.
3. TEMPORARY CHAINLINK FENCE SHALL BE PLACED ALONG THE PERIMETER , 95 FEET FROM CENTERLINE, FULL LENGTH OF THE PROJECT SITE TO IDENTIFY THE PROJECT LIMITS TO THE CONTRACTOR AND SUBCONTRACTOR EMPLOYEES DURING THIS PHASE OF THE WORK. AT NO TIME SHALL MEN, EQUIPMENT OR MATERIALS BE ALLOWED BEYOND THIS TEMPORARY CHAINLINK FENCE WHEN TW A IS ACTIVE.
4. MAJOR PHASE I WORK ELEMENTS CONSIST OF, BUT NOT LIMITED TO; SITE DEMOLITION, EROSION CONTROL MEASURES, STORM SEWER, SANITARY SEWER, DOMESTIC WATER LINE , DETENTION POND, HANGAR I, HANGAR II, HANGAR III, FBO, PARKING AREAS, LANDSCAPING, ACCESS DRIVEWAY, SITE GRADING, APRON PAVEMENT, PAVEMENT MARKINGS AND FINAL AOA FENCING.

LEGEND:

PHASE I LIMITS OF WORK

TEMPORARY CONSTRUCTION FENCE

GRAPHIC SCALE IN FEET
0 50 100 200

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-1888
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
LICENSED PROFESSIONAL ENGINEER
01/08/20

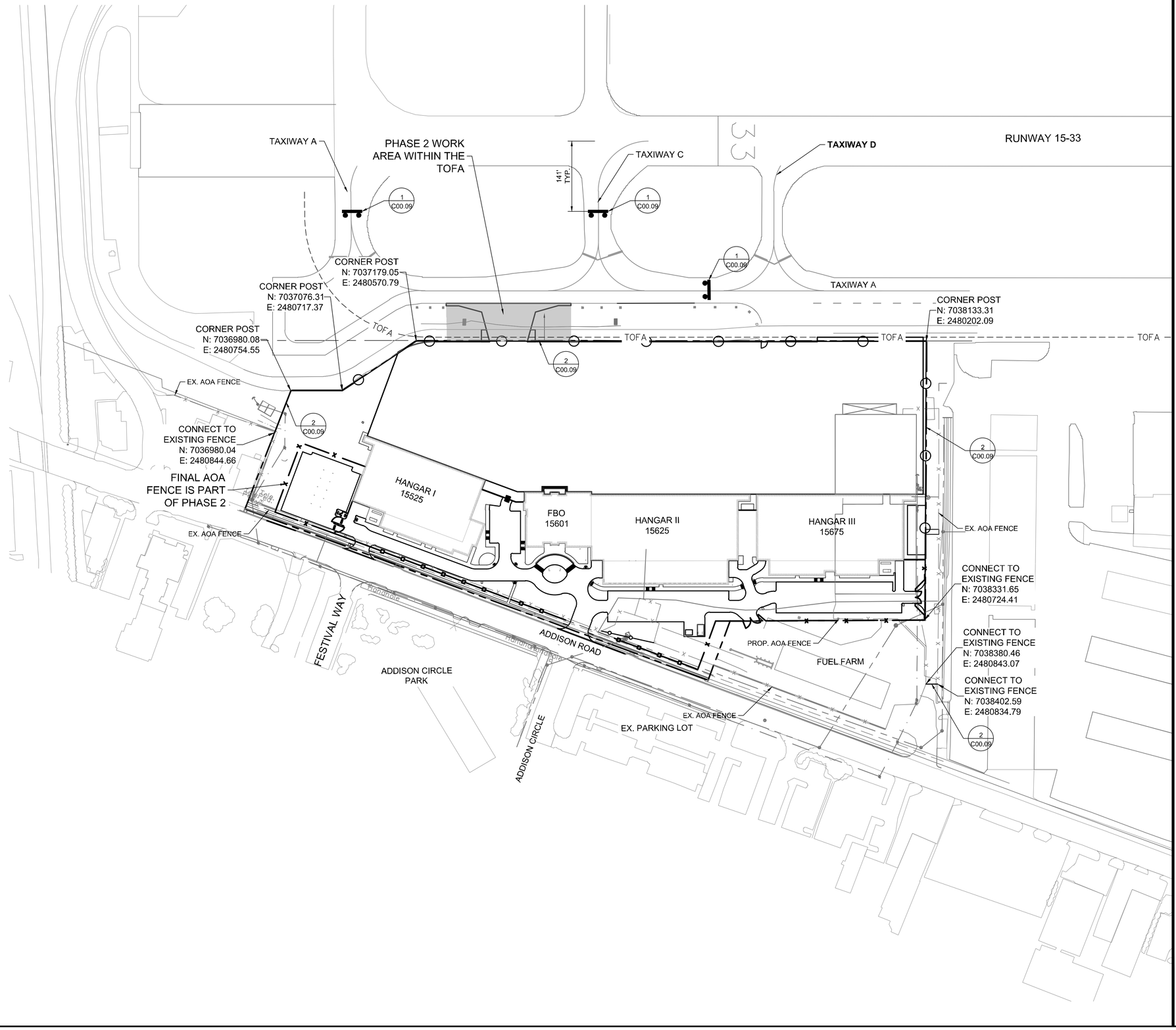
KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

PHASE I SAFETY PLAN

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C00.07

Plotted By: Acevedo, Eliath Sheet Set: Kha Layout: C00.07 January 09, 2020 06:15:29pm K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C00.07 SAFETY PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



NOTES – PHASE II:

1. THE SCOPE OF WORK OF THIS PROJECT WILL REQUIRE PERSONNEL AND EQUIPMENT WITHIN THE AIRPORT'S ACTIVE AIRPORT OPERATION AREA (AOA).
   a. THE CONTRACTOR SHALL CONTROL THE MOVEMENT AND ACTIVITIES OF ITS EMPLOYEES AND SUBCONTRACTORS AS ALL TIMES.
   b. THE CONTRACTOR SHALL ACQUAINT ITS SUPERVISORS AND EMPLOYEES WITH THE AIRPORT ACTIVITIES AND OPERATIONS INHERENT TO ADDISON AIRPORT AND SHALL CONDUCT ITS CONSTRUCTION ACTIVITIES TO CONFORM TO ALL ROUTINE AND EMERGENCY AIR TRAFFIC REQUIREMENTS.
   c. NO PRIVATE VEHICLES WILL BE ALLOWED WITHIN THE AOA. CONTRACTOR VEHICLES ARE TO BE PROPERLY MARKED WITH THE CONSTRUCTION COMPANY NAME OF LOGO AND PROPER AIRPORT SECURITY IDENTIFICATION.
   d. ALL CONSTRUCTION SHALL CONFORM TO THE GUIDELINES SET FORTH IN FEDERAL AVIATION ADMINISTRATION (FAA) AC 150/5370-2F "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION".
2. THIS PROJECT IS DIVIDED INTO TWO DISTINCT PHASES:
3. PHASE I INCLUDES ALL WORK NOT WITHIN THE TAXIWAY OBJECT FREE AREA (TOFA) AS ILLUSTRATED ON SHEET C00.07. THE TOFA FOR TAXIWAY A (TW A) ADJACENT TO THE PROJECT SITE IS 93 FEET PERPENDICULAR TO THE TAXIWAY CENTERLINE.
4. MAJOR PHASE II WORK ELEMENTS CONSIST OF BUT ARE NOT LIMITED TO; STORM SEWER CULVERT, TAXIWAY EDGE LIGHTS, ACCESS TAXIWAY PAVEMENT, AND PAVEMENT MARKINGS.

LEGEND:

- PHASE II LIMITS OF WORK
- TEMPORARY CONSTRUCTION FENCE
- LOW LEVEL BARRICADE

GRAPHIC SCALE IN FEET
0 50 100 200

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn

© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-1488
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
LICENSED PROFESSIONAL ENGINEER
01/08/20

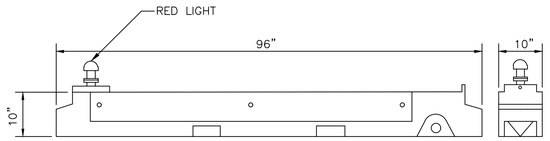
KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

PHASE II SAFETY PLAN

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C00.08

Plotted By:Acevedo, Eliott Sheet Set:Kha Layout:C00.08 January 09, 2020 06:15:30pm K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C00.07 SAFETY PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

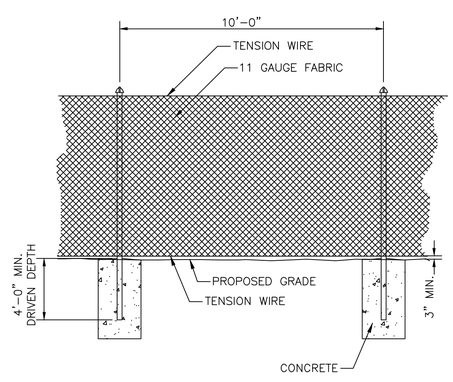


BARRICADE NOTES:

1. BARRICADE SHALL BE MULTI-BARRIER SAFETY BARRICADE MODEL AR-10x96 OR ENGINEER APPROVED EQUAL.
2. COLORS SHALL BE ORANGE AND WHITE.
3. FLASHERS TO BE BATTERY OPERATED OR SOLAR POWERD, LENS TO BE RED AND BE ABLE TO MANUALLY ROTATE 90°. LIGHTS TO BE OMNI-DIRECTIONAL.
4. BARRICADES TO BE PLACED WITH NO SPACE BETWEEN CONSECUTIVE BARRIERS.

1 LOW LEVEL BARRICADE

N.T.S.



NOTES:

1. FENCE POSTS TO BE INSTALLED IN NATURAL GROUND SHALL BE DRIVEN.

2 TEMPORARY CONSTRUCTION FENCE

N.T.S.

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-4700
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
LICENSED PROFESSIONAL ENGINEER
01/08/20

KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

SAFETY DETAILS

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C00.09

Plotted By:Acevedo, Eliath Sheet Set:Kha Layout:C00.09 January 09, 2020 06:15:41am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C00.09 SAFETY DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

TAXIWAY A

NORTH

PROPOSED FIRE HYDRANT

PROPOSED KNOX BOX AT GATE

HANGAR I

PROPOSED KNOX BOX LOCATION

62.0'

R10.0'

PROPOSED WALL-MOUNTED FDC (REF. MEP PLANS)

FBO

HANGAR II

HANGAR III

R150.0'

R25.0'

R24.0'

R22.5'

R20.0'

R40.0'

ADDISON ROAD

ADDISON CIRCLE

FL

NOTES

1. SEE WATERLINE PLAN SHEETS FOR HYDRANT LOCATIONS.

LEGEND

- FIRE HYDRANT REACH
- PROPOSED FIRE HYDRANT LOCATION (MAINTAIN 3' MIN. CLEARANCE AROUND HYDRANTS)
- 150' FIRE HYDRANT RADIUS
- PROPOSED FIRE DEPARTMENT CONNECTION (FDC)

GRAPHIC SCALE IN FEET
0 30 60 120

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-1888 FAX: 281-419-1828
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
LICENSED PROFESSIONAL ENGINEER
01/08/20

KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

FIRE SAFETY PLAN

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
ADDISON DALLAS, TEXAS

SHEET NUMBER
C00.10

Plotted By:Acevedo, Eliott Sheet Set:Kha Layout:C00.10 January 09, 2020 06:15:59am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C00.10 FIRE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By:Acevedo, Eliath Sheet Set:Kha Layout:C01.00 January 09, 2020 06:16:13am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C01.00 EXISTING CONDITION.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

NORTH

RUNWAY 15-33

TAXIWAY A

TAXIWAY C

TAXIWAY D

PROJECT LIMITS

RPZ

C01.01

C01.02

C01.03

C01.04

C01.05

C01.06

RUNWAY PRIMARY SERVICE (RPS)

BUILDING RESTRICTION LINE

N 21°07'31" W 1024.32'

S 00°52'40" E 880.65'

PROJECT LIMITS

METAL HANGAR

EX. HANGAR

AIRPORT PARKWAY

Chain Link

ADDISON ROAD

FESTIVAL WAY

ADDISON CIRCLE PARK

ADDISON CIRCLE

EX. PARKING LOT

FUEL FARM

PROJECT LIMITS

GRAPHIC SCALE IN FEET
0 50 100 200

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn

© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: (281) 419-5937
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

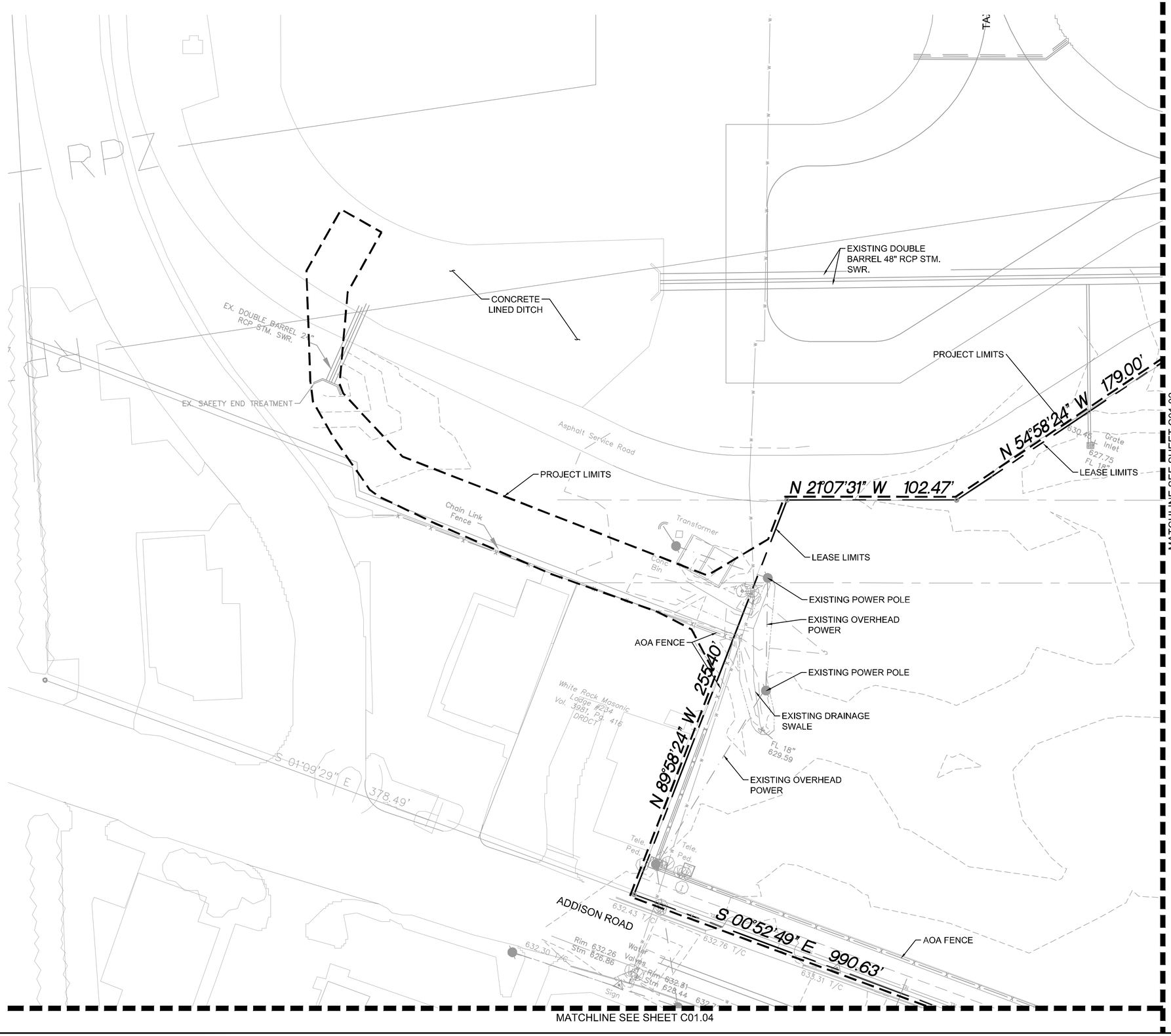
STATE OF TEXAS
JOSEPH J. MALO
80953
PROFESSIONAL ENGINEER
01/08/20

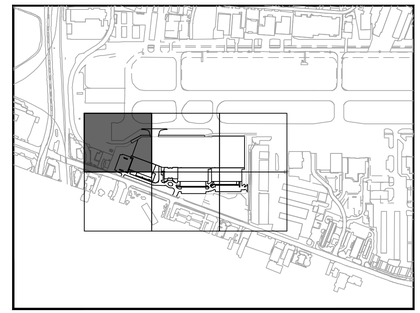
KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

EXISTING CONDITIONS OVERALL

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
ADDISON DALLAS, TEXAS

SHEET NUMBER
C01.00





KEY PLAN

NORTH

SYMBOL LEGEND

- Power Pole
- Light Pole
- Water Meter
- Water Valve
- Gas Meter
- Hydrant
- Cleanout
- Sign
- Electric Meter
- Monitoring Well (MW)
- Telephone Pedestal
- Handhole
- Irrig. Control Valve

GRAPHIC SCALE IN FEET
0 15 30 60

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn

© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-5937
TBPE FIRM REGISTRATION #
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
PROFESSIONAL ENGINEER
01/08/20

KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

EXISTING CONDITIONS

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C01.01

Plotted By:Acevedo, Elioth Sheet Set:Kha Layout:C01.01 January 09, 2020 06:16:16am K:\WDL_Aviation\067792503 — Addison Galaxy FBO\ACAD\dwg\Sheets\C01.00 EXISTING CONDITION.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By:Acevedo, Elloth Sheet Set:Kha Layout:C01.02 January 09, 2020 06:16:19pm K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C01.00 EXISTING CONDITION.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

MATCHLINE SEE SHEET C01.01

MATCHLINE SEE SHEET C01.03

MATCHLINE SEE SHEET C01.05

TAXIWAY A

RPZ

RUNWAY PRIMARY SERVICE (RPS)

BUILDING RESTRICTION LINE

PROJECT LIMITS

LEASE LIMITS

EXISTING CONCRETE PAD

EXISTING DRAINAGE SWALE

APPROX. LOCATION OF EX. SANITARY SEWER LINE BASED ON INFORMATION FROM THE TOWN OF ADDISON

EXISTING 28" RCP STM. SWR.

EX. DOUBLE BARREL 42" RCP STM. SWR.

N 21°07'31" W 1024.32'

Addison Airport
Vol. 2005131, Pg. 82
MRDCT

Light Pole On Conc. Pad (typ)

Asphalt

Grate Inlet

Headwall

Cleanout

Elec Vault

Sign

634.63 635.78 636.78 637.28 636.85 637.06

633.28 Grate Inlet 627.28 FL 24"

627.43 FL 42"

627.46 FL 48"

633.32

627.28 FL 2x3'

636.80 Top 629.55 FL 28"

18" Dia Cap

631.62 FL 18"

631.14 FL 28"

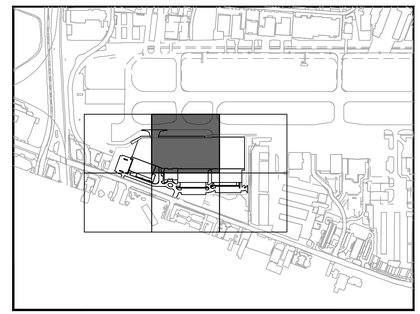
632.54 FL 5"

632.55 FL 5"

633.04 FL 5"

633.01 FL 5"

633.36 FL 18"



KEY PLAN

NORTH

SYMBOL LEGEND

- Power Pole
- Light Pole
- Water Meter
- Water Valve
- Gas Meter
- Hydrant
- Cleanout
- Sign
- Electric Meter
- Monitoring Well (MW)
- Telephone Pedestal
- Handhole
- Irrig. Control Valve

GRAPHIC SCALE IN FEET
0 15 30 60

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-4488 FAX: 281-419-4628
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
PROFESSIONAL ENGINEER
01/08/20

KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

EXISTING CONDITIONS

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C01.02

Plotted By:Acevedo, Elioth Sheet Set:Kha Layout:C01.03 January 09, 2020 06:16:23pm K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C01.00 EXISTING CONDITION.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

TAXIWAY A

Inpovement Lights

Existing Asphalt Pavement

Threshold Stripe

Asphalt

LEASE LIMITS

N 21°07'31" W 1024.32'

MATCHLINE SEE SHEET C01.02

Handhole

FL 18" 632.52

Grate Inlet 636.73

FL 18" 632.53

Grate Inlet 635.78 631.58 Btm

EXISTING 18" STM

Grass Area

EXISTING 30" STM

EXISTING HANGAR

N 69°09'18" E 559.70'

636.76

Grate Inlet 633.76 Btm

AOA FENCE

APPROX. LOCATION OF EX. SANITARY SEWER LINE BASED ON INFORMATION FROM THE TOWN OF ADDISON

LEASE LIMITS

636.20

Grate Inlet 634.10 Btm

PROJECT LIMITS

Manhole Rim 636.82 FL 8" SW 629.46 FL 12" SE 629.10 FL 12" N 629.20

Grate Inlet 634.13 Btm

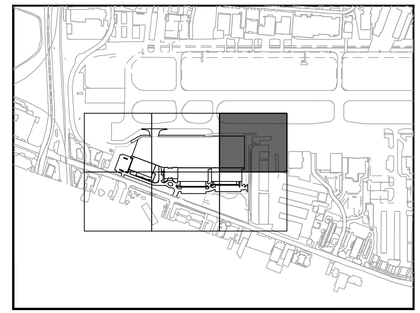
EXISTING HANGAR

Ex. Hangar

Property #0065 EHOAA Leasehold Condominium Declaration Clerk's File No. 200802015345 DRDCT

Ex. Hangar

MATCHLINE SEE SHEET C01.06



KEY PLAN

NORTH

SYMBOL LEGEND

- Power Pole
- Light Pole
- Water Meter
- Water Valve
- Gas Meter
- Hydrant
- Cleanout
- Sign
- Electric Meter
- Monitoring Well MW
- Telephone Pedestal
- Handhole
- Irrig. Control Valve

GRAPHIC SCALE IN FEET
0 15 30 60

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-1888
TBPE FIRM REGISTRATION #
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
PROFESSIONAL ENGINEER
01/08/20

KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

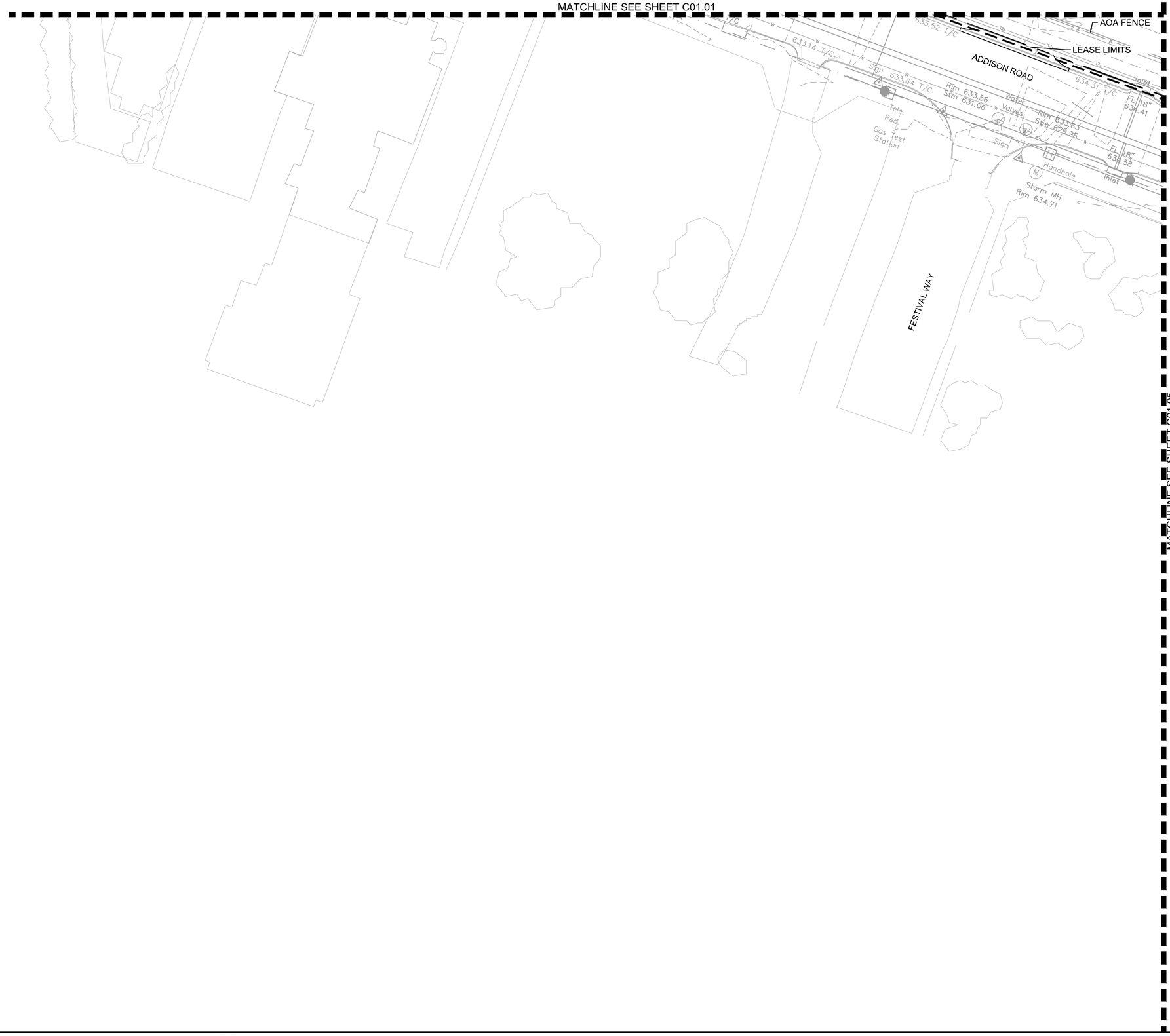
EXISTING CONDITIONS

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
ADDISON DALLAS, TEXAS

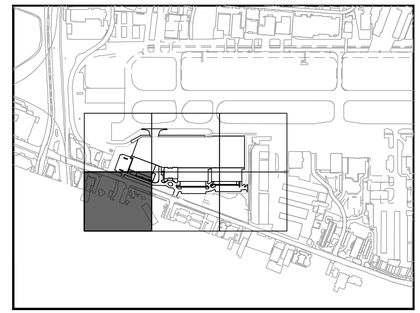
SHEET NUMBER
C01.03

Plotted By:Acevedo, Elioth Sheet Set:Kha Layout:C01.04 January 09, 2020 06:16:26am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C01.00 EXISTING CONDITION.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

MATCHLINE SEE SHEET C01.01



MATCHLINE SEE SHEET C01.05



KEY PLAN

NORTH

SYMBOL LEGEND

- Power Pole
- Light Pole
- Water Meter
- Water Valve
- Gas Meter
- Hydrant
- Cleanout
- Sign
- Electric Meter
- Monitoring Well (MW)
- Telephone Pedestal
- Handhole
- Irrig. Control Valve

GRAPHIC SCALE IN FEET
0 15 30 60

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn

© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 832-487-2655
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

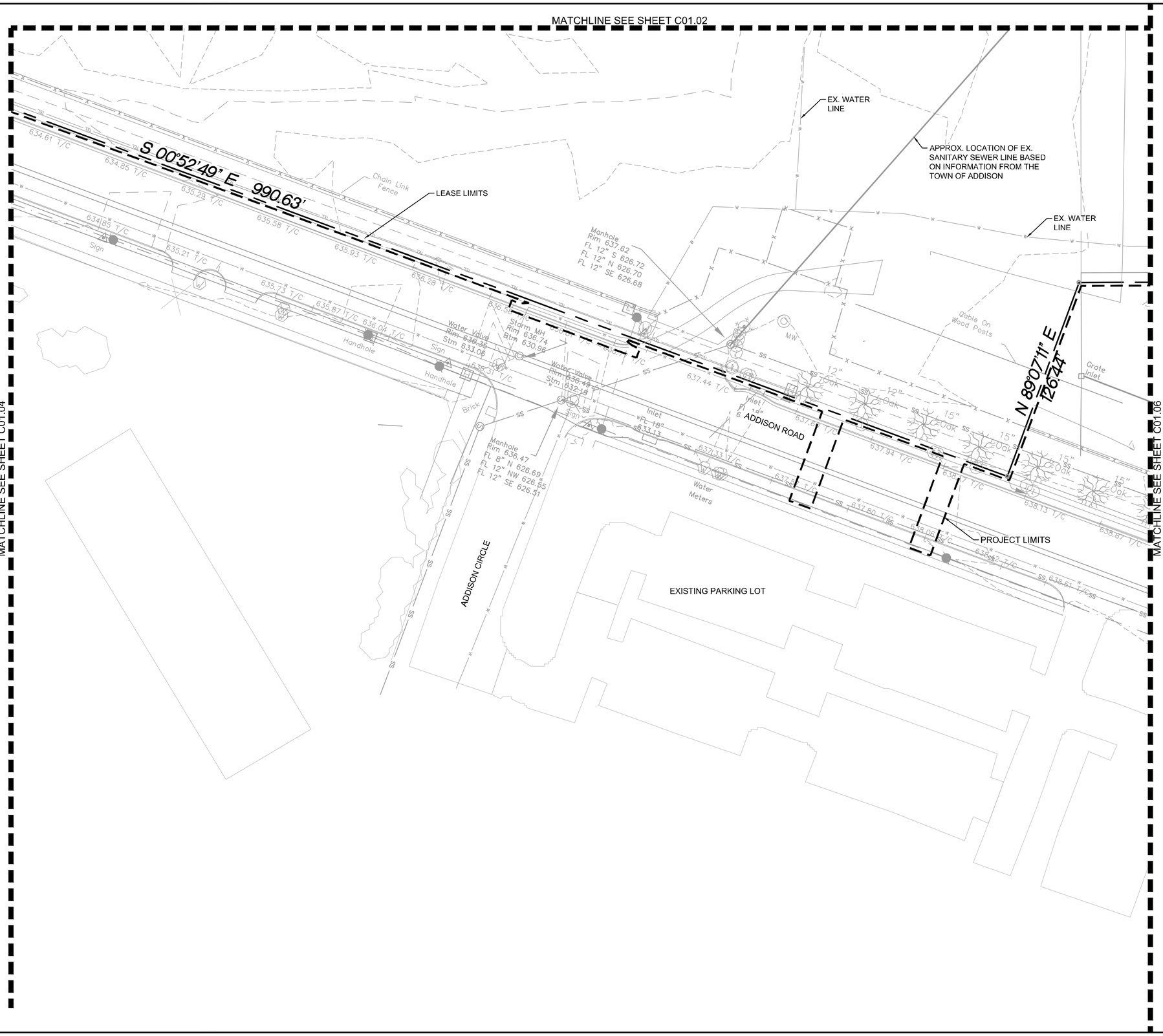
STATE OF TEXAS
JOSEPH J. MALO
80953
PROFESSIONAL ENGINEER
01/08/20

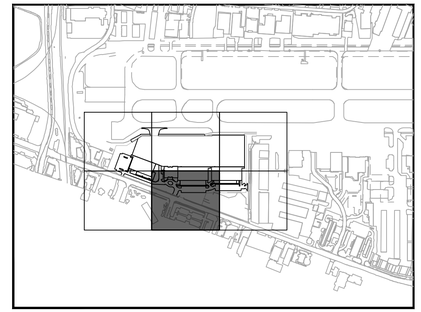
KHA PROJECT	067792503
DATE	12/11/2019
SCALE	AS SHOWN
DESIGNED BY	HCV
DRAWN BY	EAC
CHECKED BY	HCV

EXISTING CONDITIONS

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C01.04





KEY PLAN

NORTH

SYMBOL LEGEND

- Power Pole
- Light Pole
- Water Meter
- Water Valve
- Gas Meter
- Hydrant
- Cleanout
- Sign
- Electric Meter
- MW Monitoring Well
- Telephone Pedestal
- Handhole
- Irrig. Control Valve

GRAPHIC SCALE IN FEET
0 15 30 60

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn

© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-5937
TBPE FIRM REGISTRATION #
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
PROFESSIONAL ENGINEER
01/08/20

KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

EXISTING CONDITIONS

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
ADDISON DALLAS, TEXAS

SHEET NUMBER
C01.05

Plotted By:Acevedo, Elioth Sheet Set:Kha Layout:C01.05 January 09, 2020 06:16:29am K:\WDL_Aviation\067792503 - Addison Galaxy FBO\CAD\dwg\Sheets\C01.00 EXISTING CONDITION.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

MATCHLINE SEE SHEET C01.03

MATCHLINE SEE SHEET C01.05

EXISTING HANGAR

EXISTING HANGAR

EXISTING HANGAR

EXISTING HANGAR

EXISTING HANGAR

LEASE LIMITS

EX. CHAIN LINK FENCE

LEASE LIMITS

PROJECT LIMITS

APPROX. LOCATION OF EX. SANITARY SEWER LINE BASED ON RECORD DRAWINGS

Chain Link Fence

Grate Inlet 634.81 Btm 630.81

Grate Inlet 636.71

Grate Inlet 635.7 Btm

635.21 FL 12"

634.73

634.3

S 21°28'09" E 391.70'

632.44 FL 12"

636.60

Grate Inlet

635.30 FL 8"

Rim 636.74 FL 6" NW 630.06 FL 6" SE 630.06

Slot Drain

FUEL FARM

EX. OVERHEAD POWER LINE

SS 15" to Oak

11' Roadway Esmt. Vol 2005191 Pg. 82 MRDCT

N 00°52'40" W 1358.52' To Airport Parkway

Storm MH Rim 639.27 Btm 633.46

Manhole Rim 639.84 FL 12" SW 628.24 FL 12" SE 628.17

Manhole Rim 639.07 FL 12" NW 628.11 FL 12" S 628.07

Asphalt

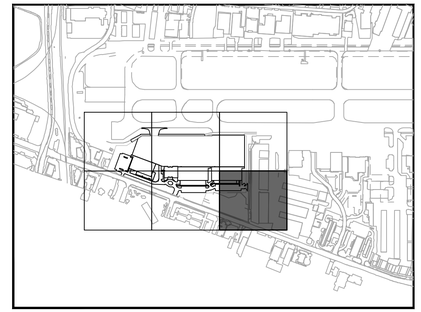
ADDISON ROAD

EXISTING PARKING LOT

EXISTING HANGAR

EXISTING HANGAR

EXISTING HANGAR



KEY PLAN

NORTH

SYMBOL LEGEND

- Power Pole
- Light Pole
- Water Meter
- Water Valve
- Gas Meter
- Hydrant
- Cleanout
- Sign
- Electric Meter
- Monitoring Well
- Telephone Pedestal
- Handhole
- Irrig. Control Valve

GRAPHIC SCALE IN FEET
0 15 30 60

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn

© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-4488
TBPE FIRM REGISTRATION #
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
PROFESSIONAL ENGINEER
01/08/20

KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

EXISTING CONDITIONS

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C01.06

Plotted By:Acevedo, Eliath Sheet Set:Kha Layout:C01.06 January 09, 2020 06:16:33am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C01.00 EXISTING CONDITION.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By:Acevedo, Eliath Sheet Set:Kha Layout:C02.00 January 09, 2020 06:16:51am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C02.00 EROSION CONTROL PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

LINDBERGH DR.

SERVICE ROAD

TAXIWAY A

TAXIWAY C

TAXIWAY D

NORTH

PROJECT LIMITS

C02.01

C02.02

HANGAR I
15525

FBO
15501

HANGAR II
15625

HANGAR III
15675

EX.
HANGAR

EX.
HANGAR

PROJECT LIMITS

FUEL FARM

FESTIVAL WAY

ADDISON CIRCLE
PARK

ADDISON CIRCLE

EX. PARKING LOT

GRAPHIC SCALE IN FEET
0 40 80 160

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn

© 2019 KIMLEY-HORN AND ASSOCIATES, INC.

1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 832-823-2200
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
LICENSED
PROFESSIONAL ENGINEER
01/08/20

KHA PROJECT 067792503

DATE	12/11/2019
SCALE	AS SHOWN
DESIGNED BY	HCV
DRAWN BY	EC
CHECKED BY	HCV

EROSION CONTROL PLAN OVERALL

ADDISON GALAXY FBO

15601 ADDISON RD.

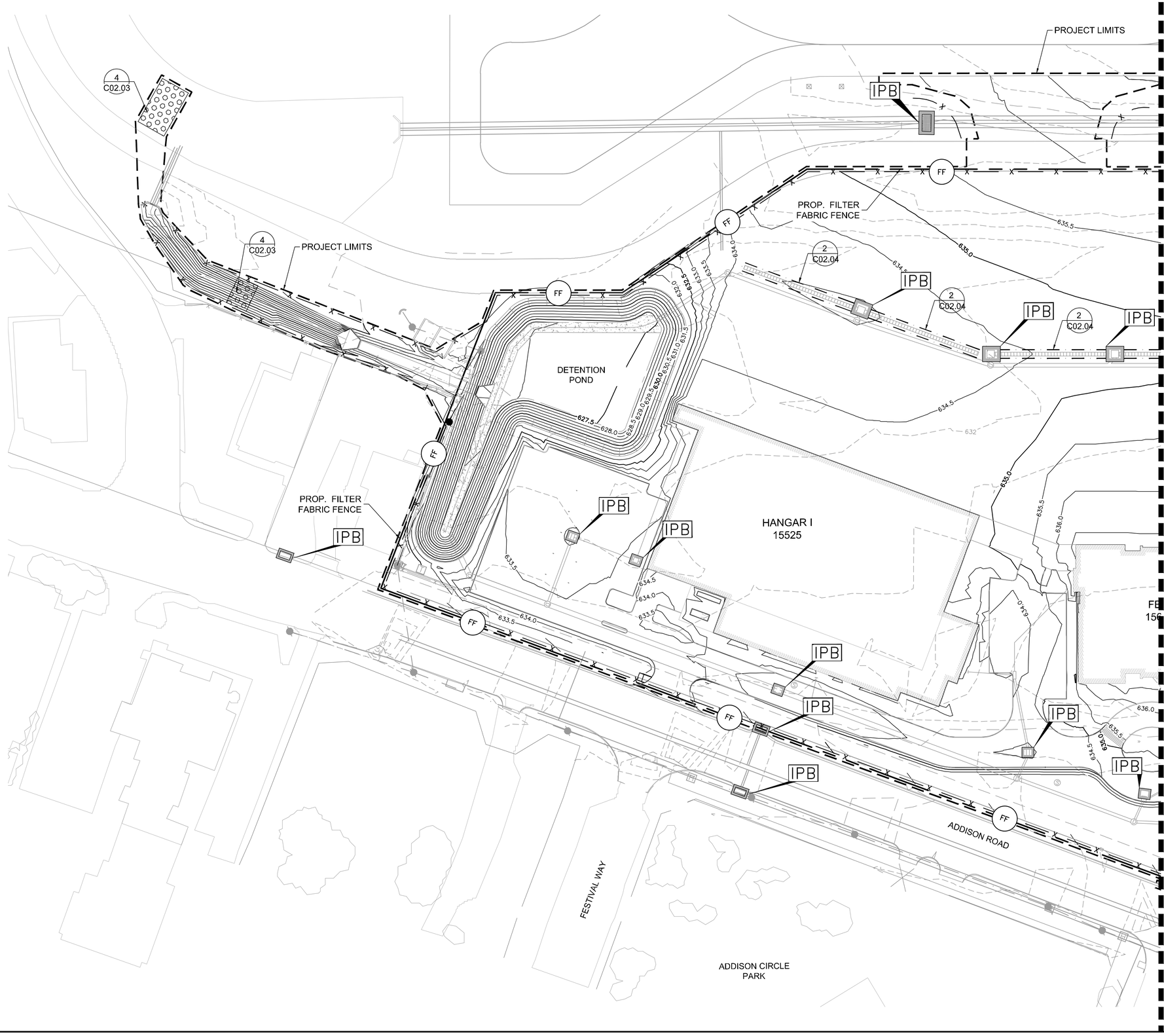
PREPARED FOR

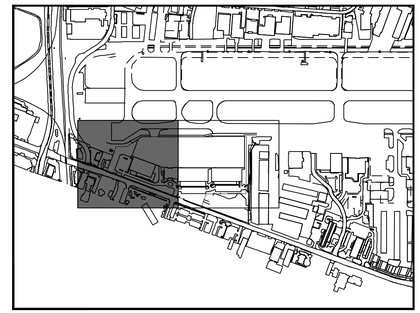
BLACK FOREST VENTURE

DALLAS, TEXAS

ADDISON

SHEET NUMBER
C02.00





KEY PLAN

NOTES:

1. ANY OFF-SITE STAGING AREA UTILIZED BY THE OPERATOR OF THIS SITE MUST BE INCLUDED IN THE SWPPP NARRATIVE PLAN AND THE SWPPP SITE PLAN AS REQUIRED BY THE TPDES TEXAS GENERAL PERMIT TXR150000 (SECTION F). ANY SUCH AREA INCLUDED IN THE SWPPP WILL BE TREATED BY THE OPERATOR AS ANY OTHER PART OF THE CONSTRUCTION ACTIVITY FOR THE PURPOSES OF STORM WATER POLLUTION PREVENTION.
2. LOCATION OF SILT FENCE & OTHER EROSION CONTROL MEASURES SHALL BE ADJUSTED AS NEEDED DURING CONSTRUCTION PHASING.
3. FOR GRATE INLETS IN PAVEMENT, USE FILTER SACK INLET PROTECTION DETAIL ON SHEET C02.04. FOR ALL OTHER GRATE INLETS , USE GRATE INLET PROTECTION DETAIL ON SHEET C02.03.

LEGEND

- PROP. CONTOUR ELEVATIONS
- EX. CONTOUR ELEVATIONS
- X (FF) X — FILTER FABRIC/ SILT FENCE
- (CE) — TEMPORARY CONSTRUCTION ACCESS
- ROCK CHECK DAM
- IPB — INLET PROTECTION BARRIER, SEE NOTE 3
- TRENCH DRAIN INLET PROTECTION

GRAPHIC SCALE IN FEET
0 20 40 80

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 936-441-4187
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
PROFESSIONAL ENGINEER
01/08/20

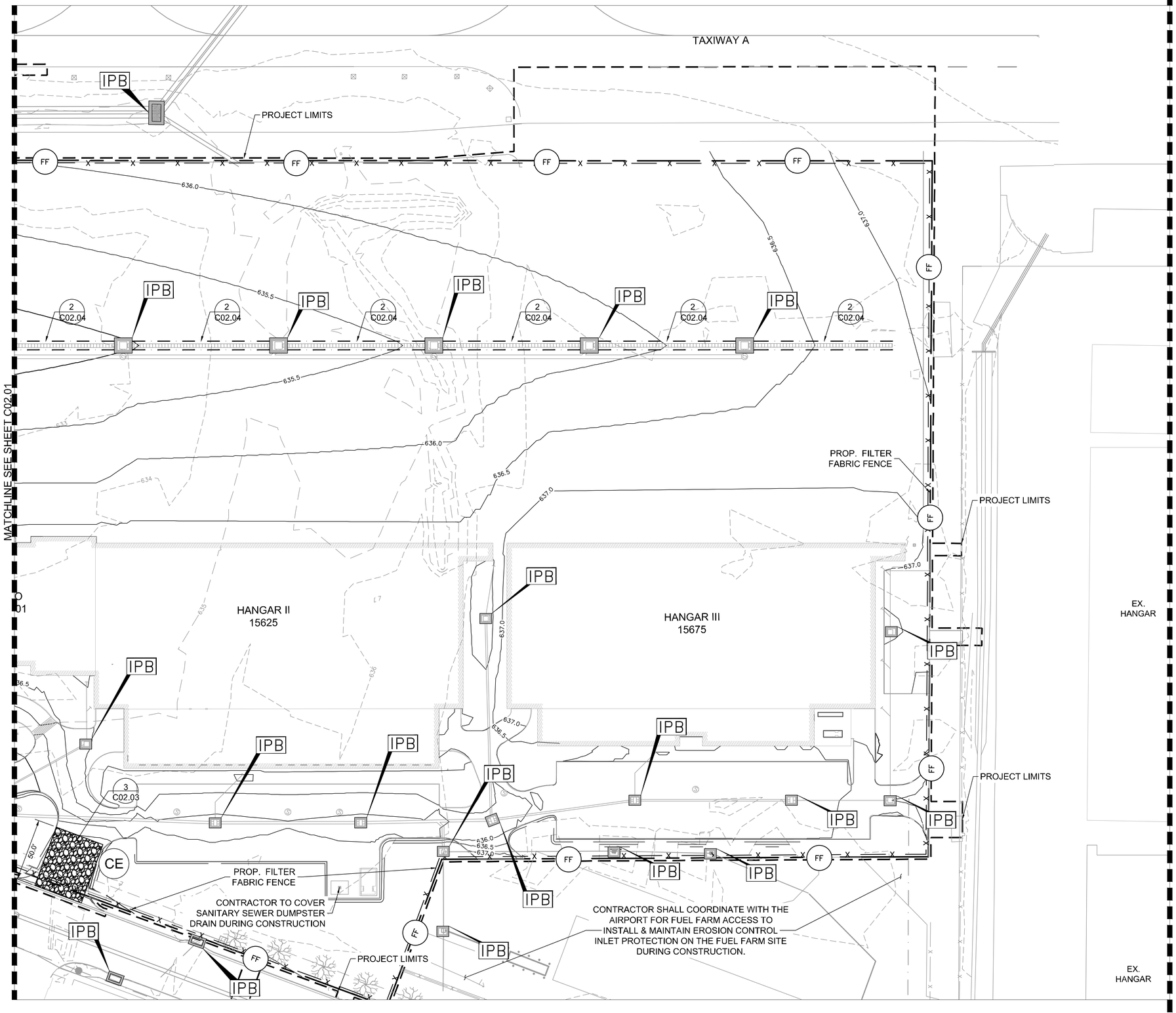
KHA PROJECT 067792503			
DATE 12/11/2019	SCALE AS SHOWN	DESIGNED BY HCV	DRAWN BY EAC
		CHECKED BY HCV	

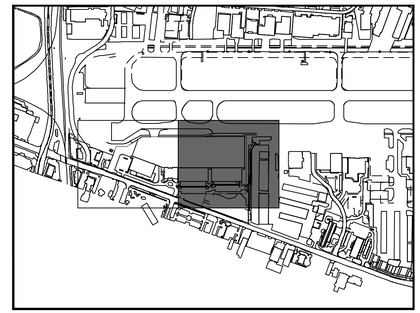
EROSION CONTROL PLAN

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C02.01

Plotted By:Acevedo, Eliath Sheet Set:Kha Layout:C02.01 January 09, 2020 06:16:55am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C02.00 EROSION CONTROL PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.





KEY PLAN

NORTH

NOTES:

1. ANY OFF-SITE STAGING AREA UTILIZED BY THE OPERATOR OF THIS SITE MUST BE INCLUDED IN THE SWPPP NARRATIVE PLAN AND THE SWPPP SITE PLAN AS REQUIRED BY THE TPDES TEXAS GENERAL PERMIT TXR150000 (SECTION F). ANY SUCH AREA INCLUDED IN THE SWPPP WILL BE TREATED BY THE OPERATOR AS ANY OTHER PART OF THE CONSTRUCTION ACTIVITY FOR THE PURPOSES OF STORM WATER POLLUTION PREVENTION.
2. LOCATION OF SILT FENCE & OTHER EROSION CONTROL MEASURES SHALL BE ADJUSTED AS NEEDED DURING CONSTRUCTION PHASING.
3. FOR GRATE INLETS IN PAVEMENT, USE FILTER SACK INLET PROTECTION DETAIL ON SHEET C02.04. FOR ALL OTHER GRATE INLETS , USE GRATE INLET PROTECTION DETAIL ON SHEET C02.03.

LEGEND

- PROP. CONTOUR ELEVATIONS
- EX. CONTOUR ELEVATIONS
- X FF X — FILTER FABRIC/ SILT FENCE
- CE — TEMPORARY CONSTRUCTION ACCESS
- ROCK CHECK DAM
- IPB — INLET PROTECTION BARRIER, SEE NOTE 3
- TRENCH DRAIN INLET PROTECTION

GRAPHIC SCALE IN FEET
0 20 40 80

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn

© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 832-487-2000
TBPE FIRM REGISTRATION #
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
LICENSED PROFESSIONAL ENGINEER
01/08/20

KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

EROSION CONTROL PLAN

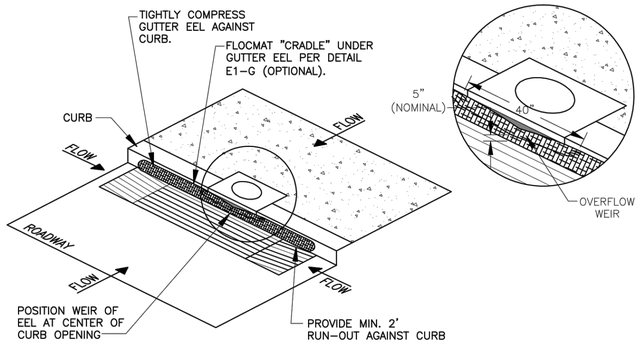
ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C02.02

Plotted By:Acevedo, Elioth Sheet Set:Kha Layout:C02.02 January 09, 2020 06:16:58am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C02.00 EROSION CONTROL PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By:Acevedo, Eliath Sheet Set:Kha Layout:C02.03 January 09, 2020 06:17:12pm K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C02.02 EROSION CONTROL DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

1

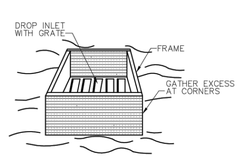


NOTE:
PERIODIC MAINTENANCE SHALL INCLUDE CLEANING GUTTER EEL SURFACE WITH HIGH PRESSURE WASH OR BRUSHING SURFACE WITH BROOM.

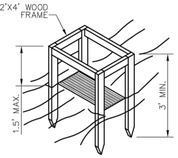
ISOMETRIC DETAIL E3–C: SMALL CURB INLET SEDIMENT TRAP – GUTTER EEL
N.T.S.

CONSTRUCTION ECO SERVICES
1930 Aldine Western Rd
Houston, Texas 77038
832.456.1000
www.ecosvs.com

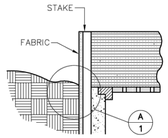
2



PERSPECTIVE VIEW



PERSPECTIVE VIEW



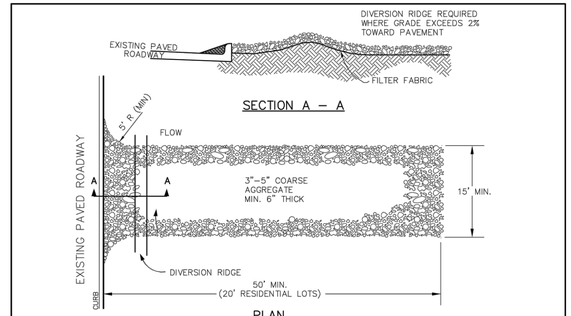
ELEVATION OR STAKE AND FABRIC ORIENTATION

DETAIL 'A'

SPECIFIC APPLICATION
THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE THE INLET DRAINS A RELATIVELY FLAT AREA (SLOPE NO GREATER THAN 5%) WHERE THE INLET SHEET OR OVER–LAND FLOWS (NOT TO EXCEED 1 C.F.S.) ARE TYPICAL. THE METHOD SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS SUCH AS IN STREETS OR HIGHWAY MEDIANS.

PUBLIC WORKS DEPARTMENT	GRATE AND WYE INLET PROTECTION	STANDARD CONSTRUCTION DETAILS EROSION CONTROL		
		DATE: AUGUST, 2010	REV DATE: –	SHEET : SD–EC04

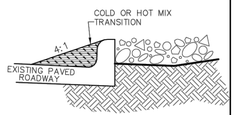
3



TEMPORARY STONE CONSTRUCTION ENTRANCE/EXIT
N.T.S.

STABILIZED CONSTRUCTION ENTRANCE GENERAL NOTES:

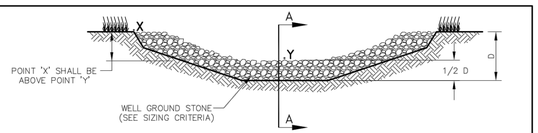
1. WHEN NECESSARY, VEHICLES SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO A PUBLIC ROADWAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AREA STABILIZED WITH CRUSHED STONE WITH DRAINAGE FLOWING AWAY FROM BOTH THE STREET AND THE STABILIZED ENTRANCE. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH OR WATERCOURSE USING APPROVED METHODS.
2. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PAVED SURFACES. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PAVED SURFACES MUST BE REMOVED IMMEDIATELY.
3. THE ENTRANCE MUST BE PROPERLY GRADED OR INCORPORATE A DRAINAGE SWALE TO PREVENT RUNOFF FROM LEAVING THE CONSTRUCTION SITE.
4. WHEN SEDIMENT HAS SUBSTANTIALLY CLOGGED THE VOID AREA BETWEEN THE ROCKS, THE AGGREGATE MAT MUST BE WASHED DOWN OR REPLACED. PERIODIC RE–GRADING AND TOP DRESSING WITH ADDITIONAL STONE MUST BE DONE TO KEEP THE EFFICIENCY OF THE ENTRANCE FROM DIMINISHING.



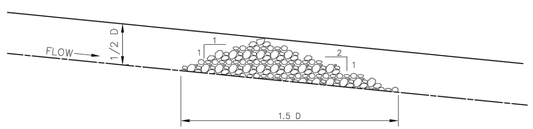
TRANSITION

PUBLIC WORKS DEPARTMENT	TEMPORARY STONE CONSTRUCTION ENTRANCE/EXIT	STANDARD CONSTRUCTION DETAILS EROSION CONTROL		
		DATE: AUGUST, 2010	REV DATE: –	SHEET : SD–EC03

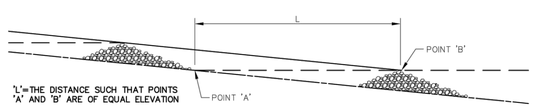
4



VIEW LOOKING UPSTREAM



SECTION 'A–A'



'L'=THE DISTANCE SUCH THAT POINTS 'A' AND 'B' ARE OF EQUAL ELEVATION

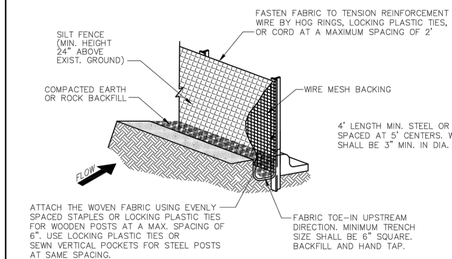
SPACING BETWEEN CHECK DAMS

ROCK CHECK DAM NOTES:

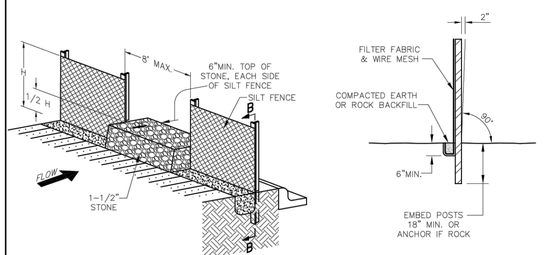
1. STONE SHALL BE WELL GRADED STONE WITH SIZE RANGE FROM 1–1/2 TO 3–1/2 INCHES IN DIAMETER DEPENDING ON EXPECTED FLOWS.
2. THE CHECK DAM SHALL BE INSPECTED AS SPECIFIED IN THE SWPPP AND SHALL BE REPLACED WHEN THE STRUCTURE CEASES TO FUNCTION AS INTENDED DUE TO SILT ACCUMULATION AMONG THE ROCKS, WASHOUT, CONSTRUCTION TRAFFIC DAMAGE, ETC.
3. WHEN SILT REACHES A DEPTH EQUAL TO ONE–THIRD OF THE HEIGHT OF THE CHECK DAM OR ONE FOOT, WHICHEVER IS LESS, THE SILT SHALL BE REMOVED AND DISPOSED OF PROPERLY.
4. WHEN THE SITE HAS ACHIEVED FINAL STABILIZATION OR ANOTHER EROSION OR SEDIMENT CONTROL DEVICE IS EMPLOYED, THE CHECK DAM AND ACCUMULATED SILT SHALL BE REMOVED AND DISPOSED OF IN AN APPROVED MANNER.

PUBLIC WORKS DEPARTMENT	ROCK CHECK DAM	STANDARD CONSTRUCTION DETAILS EROSION CONTROL		
		DATE: AUGUST, 2010	REV DATE: –	SHEET : SD–EC05

5



ISOMETRIC PLAN VIEW
N.T.S.



SILT FENCE
STONE OVERFLOW STRUCTURE
N.T.S.

PUBLIC WORKS DEPARTMENT	SILT FENCE DETAIL	STANDARD CONSTRUCTION DETAILS EROSION CONTROL		
		DATE: AUGUST, 2010	REV DATE: –	SHEET : SD–EC02

6

EROSION CONTROL PLAN NOTES

1. ALL OPERATORS AND/OR CONTRACTORS SHALL CONFORM TO THE TERMS AND CONDITIONS OF THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ), TPDES GENERAL PERMIT NO. TXR 150000 ISSUED AND DATED MARCH 5, 2003.
2. THE NOTICE OF INTENT (NOI), AS REQUIRED BY THE GENERAL PERMIT, MUST BE PROPERLY DISPLAYED ON SITE AT ALL TIMES BY EACH OPERATOR.
3. ALL RELEASES OF THE REPORTABLE QUANTITIES OF HAZARDOUS SUBSTANCES SHALL BE REPORTED IMMEDIATELY TO THE FACILITY OPERATOR, EPA AND TCEQ.
4. QUALIFIED OPERATOR PERSONNEL MUST INSPECT THE SITE AT LEAST ONCE EVERY 14 DAYS AND WITHIN 24 HOURS OF A STORM EVENT OF 0.5 INCHES OR GREATER. AS AN ALTERNATIVE, AN INSPECTION CAN BE CONDUCTED ONCE EVERY SEVEN (7) CALENDAR DAYS ON A DEFINED DAY. A DECISION ON WHICH METHOD TO USE MUST BE DECIDED BEFORE WORK BEGINS AND MUST BE FOLLOWED THROUGHOUT THE PROJECT.
5. MODIFICATIONS TO THE STORM WATER POLLUTION PREVENTION PLAN SHALL BE IMPLEMENTED AND BE IN–PLACE WITHIN A SEVEN CALENDAR DAY PERIOD.
6. IF ANY CONTRACTOR SEES A VIOLATION BY AN OPERATOR OR ANOTHER CONTRACTOR, THAT OPERATOR OR CONTRACTOR IN VIOLATION SHALL BE NOTIFIED AS WELL AS THE FACILITY OPERATOR.
7. EROSION CONTROL SHALL BE INSTALLED PRIOR TO GRADING.
8. ACCUMULATED SILT DEPOSITS SHALL BE REMOVED FROM SILT FENCES AND HAY BALE DIKES WHEN SILT DEPTH REACHES THREE INCHES OR 25%.
9. THE CONTRACTOR SHALL ADD OR DELETE EROSION PROTECTION AT THE REQUEST AND DIRECTION OF THE OPERATOR OR TOWN.
10. AFTER INSTALLATION OF PAVEMENT, FINAL LOT BENCHING AND GENERAL CLEANUP, THE CONTRACTOR SHALL ESTABLISH GRASS GROUNDCOVER IN ALL STREET PARKWAYS, LOT AND ALL OTHER DISTURBED AREAS. SODDING SHALL BE DONE AS SPECIFIED BY SECTION 202.5 AND SEEDING AS SPECIFIED BY SECTION 202.6 OF THE OCTOBER 2004 OR LATEST EDITION OF NCTCOG STANDARD SPECIFICATION.
11. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTROL AND LIMIT SILT AND SEDIMENT LEAVING THE SITE. SPECIFICALLY, THE CONTRACTOR SHALL PROTECT ALL PUBLIC STREETS, ALLEYS, STREAMS AND STORM DRAINAGE SYSTEMS FROM EROSION DEPOSITS.
12. A DRAINAGE AREA MAP WILL BE INCLUDED WITH THE EROSION CONTROL PLAN.
13. CONSTRUCTION WASTE DISPOSAL CONTAINERS SHALL BE PROVIDED ON THE SITE FOR DISPOSAL OF ALL NON–HAZARDOUS CONSTRUCTION WASTE MATERIALS. THE CONTAINERS SHALL BE HAULED TO LANDFILL BY THE CONTRACTOR.
14. ALL HAZARDOUS MATERIALS SHALL BE HANDLED AND DISPOSED OF BY THE CONTRACTOR IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

SILT FENCE NOTES

1. POSTS WHICH SUPPORT THE SILT FENCE SHALL BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. THE POST MUST BE EMBEDDED A MINIMUM OF 18 INCHES.
2. THE TOE OF THE SILT FENCE SHALL BE TRENCHED IN WITH A SPADE OR MECHANICAL TRENCHER, SO THAT THE DOWNSLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW. WHERE FENCE CANNOT BE TRENCHED IN (E.G. PAVEMENT), WEIGHT FABRIC FLAP WITH WASHED GRAVEL ON THE UPHILL SIDE TO PREVENT FLOW UNDER FENCE.
3. THE TRENCH MUST BE A MINIMUM OF 8 INCHES DEEP AND 8 INCHES WIDE TO ALLOW FOR THE SILT FENCE FABRIC TO BE LAID IN THE GROUND AND BACKFILLED WITH COMPACTED MATERIAL.
4. SILT FENCE SHALL BE SECURELY FASTENED TO EACH SUPPORT POST OR TO WOVEN WIRE, WHICH IS IN TURN ATTACHED TO THE SUPPORT POST. THERE SHALL BE A 6 INCH DOUBLE OVERLAP, SECURELY FASTENED WHERE ENDS OF FABRIC MEET.
5. INSPECTION SHALL BE MADE EVERY TWO WEEKS OR AFTER EACH RAINFALL. REPAIR OR REPLACEMENT SHALL BE PROMPTLY AS NEEDED.
6. SILT FENCE SHALL BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.
7. ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF 3 INCHES. THE SILT SHALL BE DISPOSED OF AT AN APPROVED SITE AND IN SUCH A MANNER AS TO NOT CONTRIBUTE TO ADDITIONAL SILTATION.

PUBLIC WORKS DEPARTMENT	EROSION CONTROL & SILT FENCE NOTES	STANDARD CONSTRUCTION DETAILS EROSION CONTROL		
		DATE: AUGUST, 2010	REV DATE: –	SHEET : SD–EC01

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn

© 2019 KIMLEY–HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-4700
TBPE FIRM REGISTRATION #: F–928
WWW.KIMLEY–HORN.COM

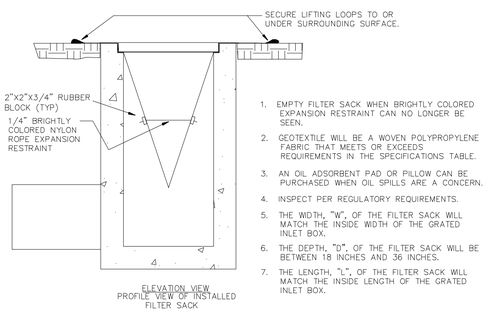
STATE OF TEXAS
JOSEPH J. MALO
80953
LICENSED PROFESSIONAL ENGINEER
01/08/20

KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

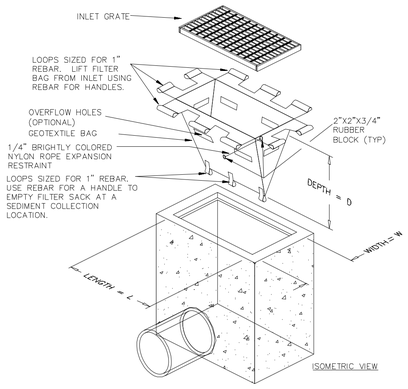
EROSION CONTROL DETAILS

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

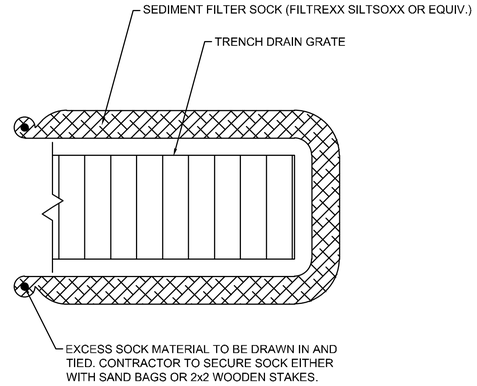
SHEET NUMBER
C02.03



1. EMPTY FILTER SACK WHEN BRIGHTLY COLORED EXPANSION RESTRAINT CAN NO LONGER BE SEEN.
2. GEOTEXTILE WILL BE A WOVEN POLYPROPYLENE FABRIC THAT MEETS OR EXCEEDS REQUIREMENTS IN THE SPECIFICATIONS TABLE.
3. AN OIL ADSORBENT PAD OR PILLOW CAN BE PURCHASED WHEN OIL SPILLS ARE A CONCERN.
4. INSPECT PER REGULATORY REQUIREMENTS.
5. THE WIDTH, "W", OF THE FILTER SACK WILL MATCH THE INSIDE WIDTH OF THE GRATED INLET BOX.
6. THE DEPTH, "D", OF THE FILTER SACK WILL BE BETWEEN 18 INCHES AND 36 INCHES.
7. THE LENGTH, "L", OF THE FILTER SACK WILL MATCH THE INSIDE LENGTH OF THE GRATED INLET BOX.



(IP5) *FILTER SACK INLET SEDIMENT DEVICE*
N.T.S.
DO NOT USE ON ROADWAYS WHERE PONDING MAY CAUSE TRAFFIC HAZARDS.



TRENCH DRAIN PROTECTION - SEDIMENT FILTER SOCK

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 832-823-4700
TBPE FIRM REGISTRATION #
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
LICENSED PROFESSIONAL ENGINEER
01/08/20

KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EAC
CHECKED BY HCV

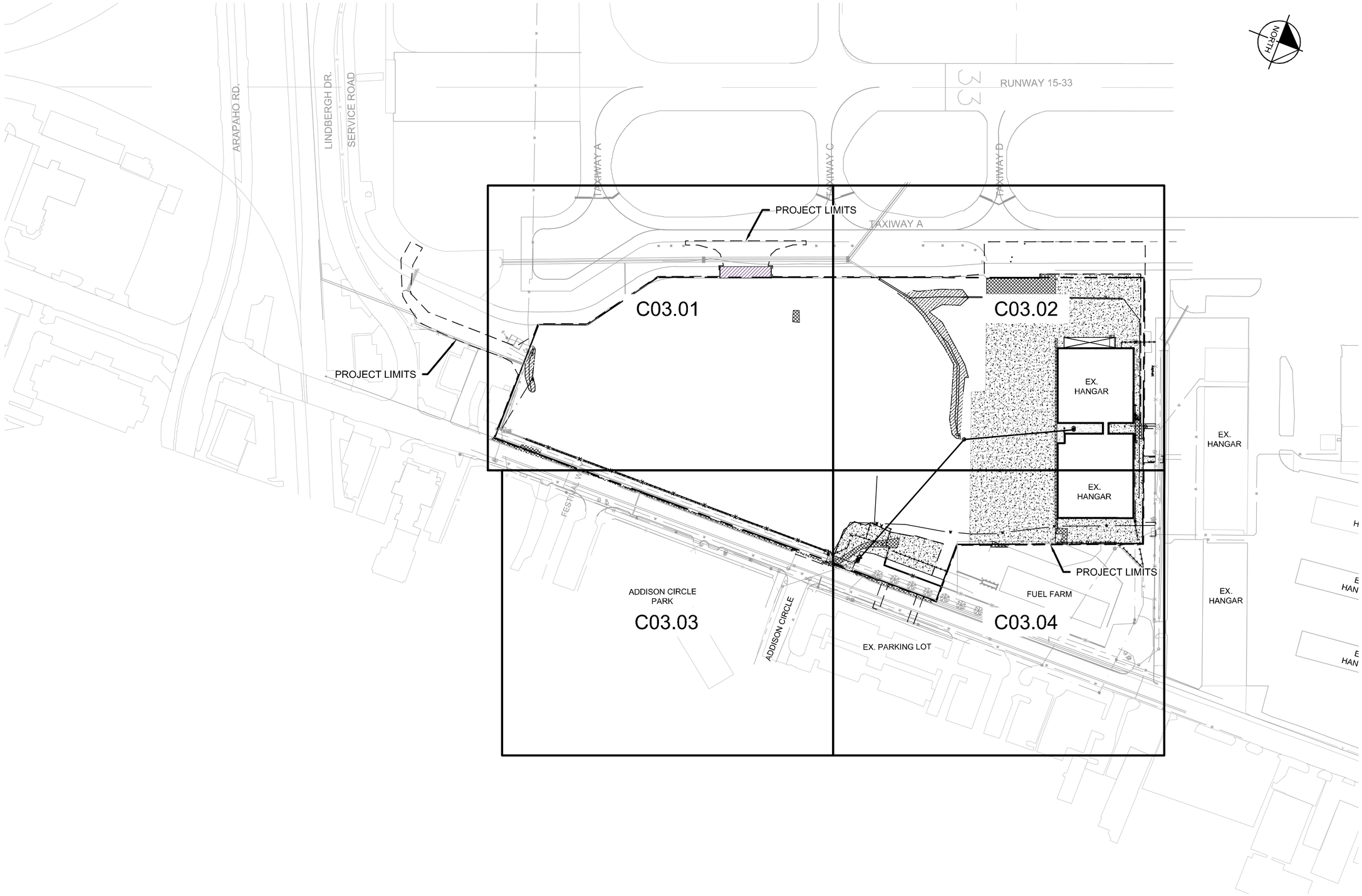
EROSION CONTROL DETAILS

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C02.04

Plotted By:Acevedo, Eliath Sheet Set:Kha Layout:C02.04 January 09, 2020 06:17:13am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C02.02 EROSION CONTROL DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By:Acevedo, Elioth Sheet Set:Kha Layout:C03.00 January 09, 2020 06:17:25pm K:\WDL_Aviation\067792503 - Addison Galaxy FBO\ACAD\dwg\Sheets\C03.00 DEMOLITION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn

© 2019 KIMLEY-HORN AND ASSOCIATES, INC.

1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-4488 FAX: 281-419-4628
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
LICENSED PROFESSIONAL ENGINEER
01/08/20

KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

DEMOLITION PLAN KEY MAP

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C03.00

TAXIWAY A

REMOVE TAXIWAY EDGE LIGHT AND BASECAN PHASE II

FLEXBASE EXCAVATION

SIGN REMOVAL BY OTHERS

N: 7037292.27
E: 2480501.86

N: 7037393.09
E: 2480462.83

SERVICE ROAD BY OTHERS

LEASE LIMIT

N: 7037300.95
E: 2480524.28

N: 7037401.74
E: 2480485.17

PROJECT LIMITS

PLACE BRICK PLUG AT LIMIT OF STM. SWR. REMOVAL
N: 7037132.39
E: 2480639.41

REMOVE GRATE INLET

CONCRETE DEMOLITION

TRANSFORMER

LEASE LIMIT

COORDINATE RELOCATION OF OVERHEAD POWER LINE AND POWER POLE WITH UTILITY COMPANY

LIMIT OF SIDEWALK DEMOLITION
N: 7036973.84
E: 2481008.98

CONCRETE DRIVEWAY DEMOLITION
N: 7037028.28
E: 2481015.45

LIMIT OF FENCE DEMOLITION PHASE II
N: 7037036.66
E: 2480987.16

CONCRETE DRIVEWAY DEMOLITION
N: 7037040.28
E: 2480999.88

CONCRETE DRIVEWAY DEMOLITION
N: 7037081.34
E: 2480998.74

CONCRETE DRIVEWAY DEMOLITION
N: 7037090.82
E: 2481013.51

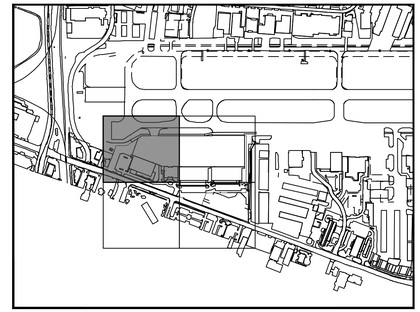
SAWCUT

SIDEWALK DEMOLITION

EXISTING AOA FENCE SHALL REMAIN IN PLACE UNTIL NEW AOA FENCE HAS BEEN CONSTRUCTED

MATCHLINE SEE SHEET C03.02

MATCHLINE SEE SHEET C03.03



KEY PLAN

NORTH

NOTES

1. REFER TO PHASING PLAN FOR FENCING REMOVAL AND CONSTRUCTION.
2. REMOVE EXISTING LANDSCAPE AS APPLICABLE

LEGEND

- ASPHALT PAVEMENT DEMOLITION
- CONCRETE PAVEMENT DEMOLITION
- DRAINAGE DITCH TO ME FILLED IN
- BUILDING AND FOUNDATION DEMOLITION
- LEASE LINE
- WATER LINE DEMOLITION
- FENCE DEMOLITION
- SANITARY SEWER DEMOLITION
- TAXIWAY EDGE LIGHT DEMOLITION

GRAPHIC SCALE IN FEET
0 15 30 60

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn

© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 936-387-4477
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
LICENSED PROFESSIONAL ENGINEER
01/08/20

KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

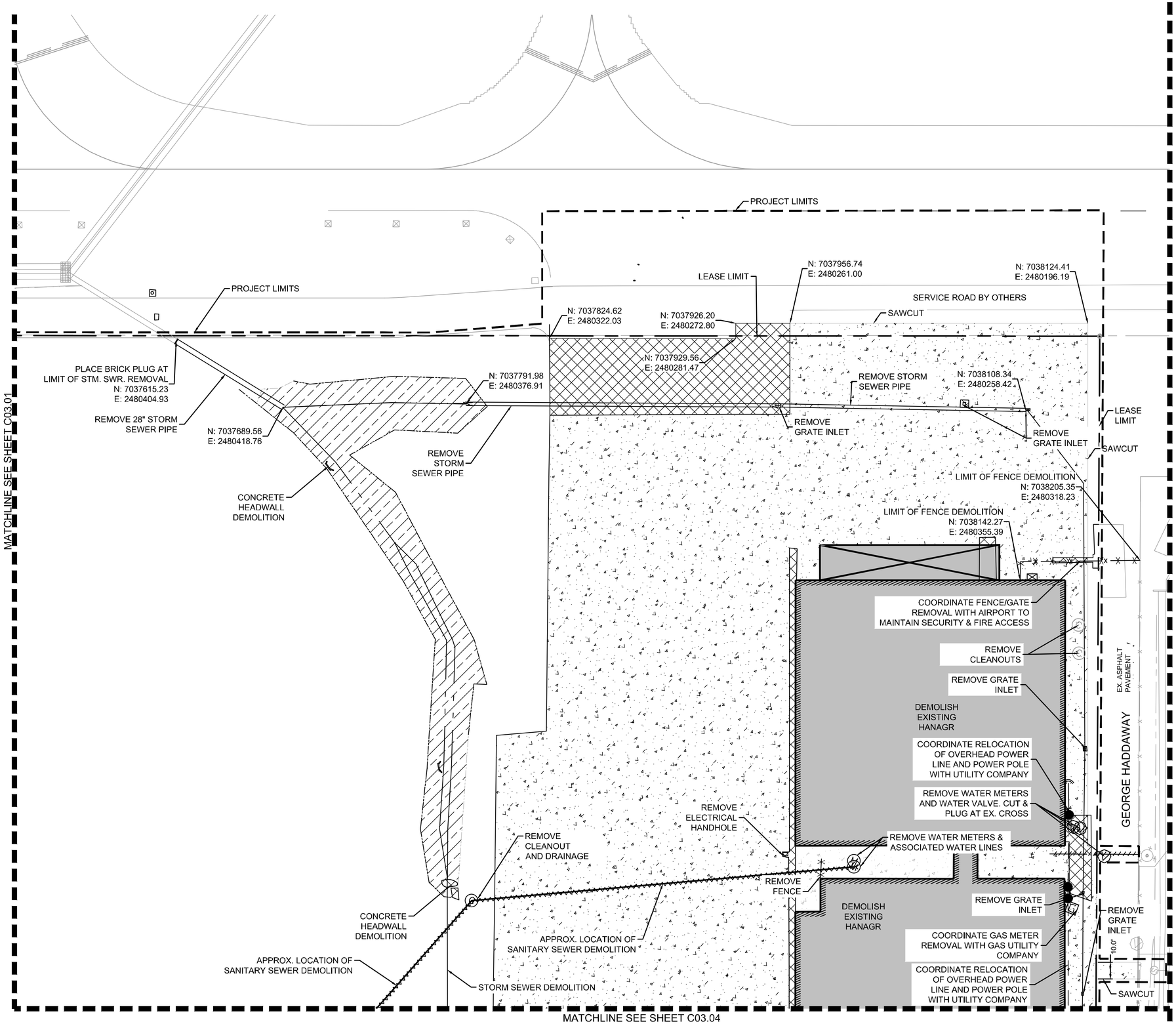
DEMOLITION PLAN

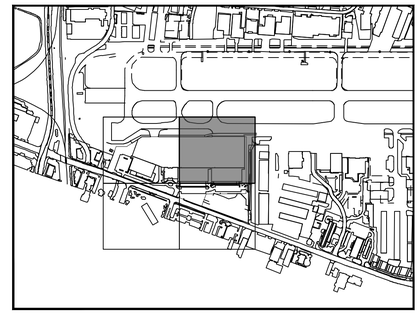
ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
ADDISON DALLAS, TEXAS

SHEET NUMBER
C03.01

Plotted By:Acevedo, Eliath Sheet Set:Kha Layout:C03.01 January 09, 2020 06:17:28am K:\WDL_Aviation\067792503 — Addison Galaxy FBO\ACAD\dwg\Sheets\C03.00 DEMOLITION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By:Acevedo, Elioth Sheet Set:Kha Layout:C03.02 January 09, 2020 06:17:32am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C03.00 DEMOLITION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.





KEY PLAN

1. REFER TO PHASING PLAN FOR FENCING REMOVAL AND CONSTRUCTION.
2. REMOVE EXISTING LANDSCAPE AS APPLICABLE

LEGEND

- ASPHALT PAVEMENT DEMOLITION
- CONCRETE PAVEMENT DEMOLITION
- DRAINAGE DITCH TO ME FILLED IN
- BUILDING AND FOUNDATION DEMOLITION
- LEASE LINE
- WATER LINE DEMOLITION
- FENCE DEMOLITION
- SANITARY SEWER DEMOLITION
- TAXIWAY EDGE LIGHT DEMOLITION

GRAPHIC SCALE IN FEET
0 15 30 60

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-1488 FAX: 281-419-1446
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

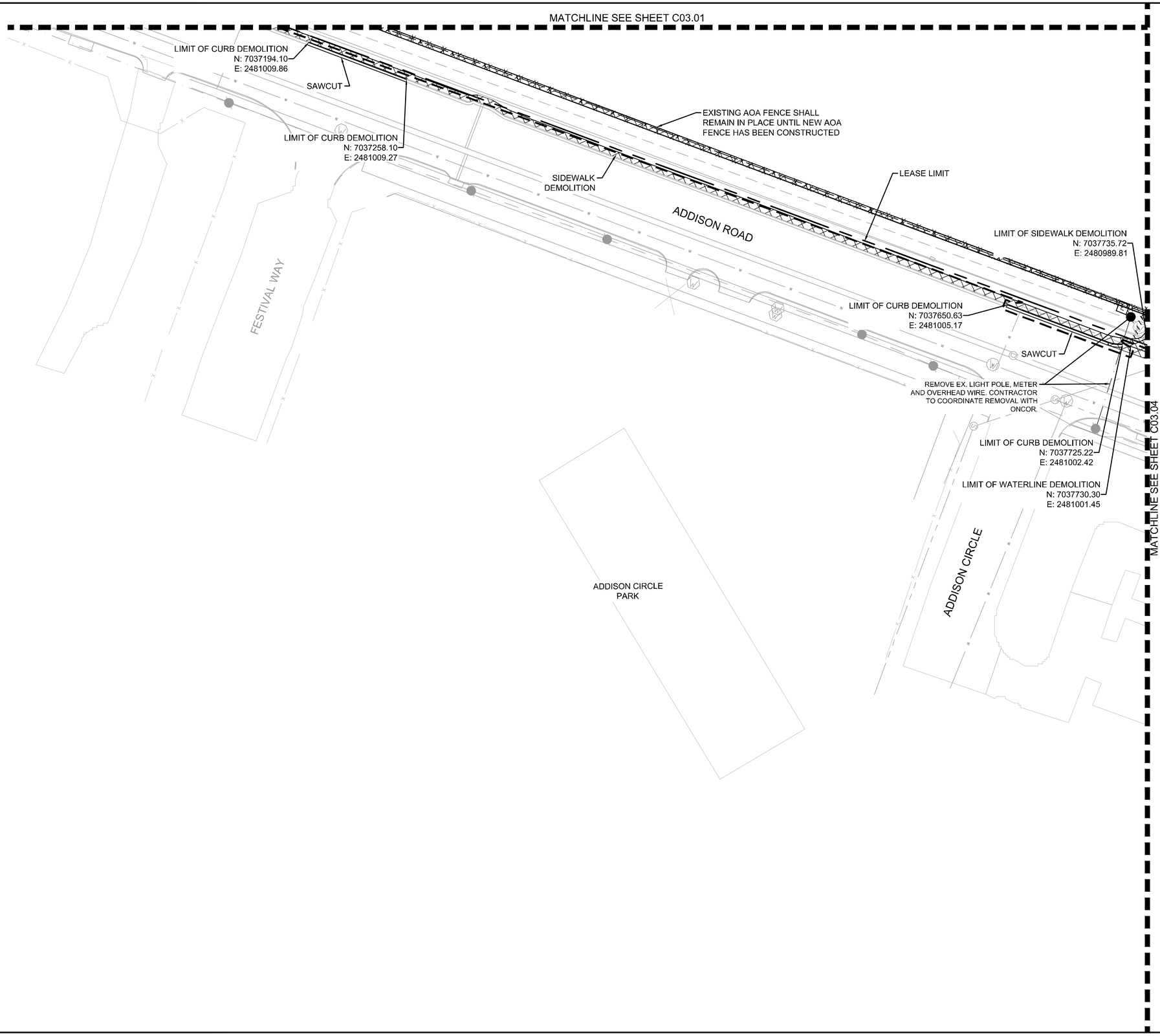
STATE OF TEXAS
JOSEPH J. MALO
80953
LICENSED PROFESSIONAL ENGINEER
01/08/20

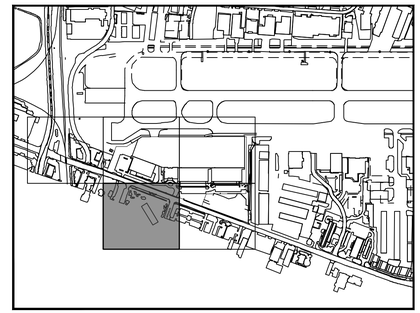
KHA PROJECT 067792503			
DATE 12/11/2019			
SCALE	AS SHOWN		
DESIGNED BY	HCV	DRAWN BY	EAC
CHECKED BY	HCV		

DEMOLITION PLAN

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C03.02





KEY PLAN

1. REFER TO PHASING PLAN FOR FENCING REMOVAL AND CONSTRUCTION.
2. REMOVE EXISTING LANDSCAPE AS APPLICABLE

LEGEND

- ASPHALT PAVEMENT DEMOLITION
- CONCRETE PAVEMENT DEMOLITION
- DRAINAGE DITCH TO ME FILLED IN
- BUILDING AND FOUNDATION DEMOLITION
- LEASE LINE
- WATER LINE DEMOLITION
- FENCE DEMOLITION
- SANITARY SEWER DEMOLITION
- TAXIWAY EDGE LIGHT DEMOLITION

GRAPHIC SCALE IN FEET
0 15 30 60

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-4488 FAX: 281-419-4495
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
PROFESSIONAL ENGINEER
01/08/20

KHA PROJECT	067792503
DATE	12/11/2019
SCALE	AS SHOWN
DESIGNED BY	HCV
DRAWN BY	EC EAC
CHECKED BY	HCV

DEMOLITION PLAN

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
ADDISON DALLAS, TEXAS

SHEET NUMBER
C03.03

Plotted By:Acevedo, Eliath Sheet Set:Kha Layout:C03.03 January 09, 2020 06:17:35pm K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C03.00 DEMOLITION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

MATCHLINE SEE SHEET C03.02

MATCHLINE SEE SHEET C03.03

STORM SEWER DEMOLITION

APPROX. LOCATION OF SANITARY SEWER DEMOLITION

FENCE DEMOLITION

WATERLINE DEMOLITION

EXISTING WATER LINE

N: 7037941.51
E: 2480875.73

FENCE AND WOOD POST DEMOLITION

SAWCUT

LIMIT OF FENCE AND MOW STRIP DEMOLITION
N: 7037841.79
E: 2480963.08

HYDRANT AND VALVES TO BE RELOCATED

SIDEWALK DEMOLITION

LIMIT OF SIDEWALK DEMOLITION
N: 7037795.72
E: 2481004.09

LIMIT OF SIDEWALK DEMOLITION
N: 7037964.52
E: 2480997.11

ADDISON ROAD

REMOVE STEEL PLATES

REMOVE ELECTRICAL HANDHOLE

LIMIT OF STORM SEWER DEMOLITION
N: 7037967.58
E: 2480861.18

N: 7037992.84
E: 2480858.15

SAWCUT

N: 7037942.79
E: 2480947.47

LEASE LIMIT

FUEL FARM

REMOVE AND RELOCATED OVERHEAD ELECTRICAL LINE

DEMOLISH EXISTING HANAGR

REMOVE GRATE INLET

LIMIT OF WATERLINE DEMOLITION
REMOVE TEE
N: 7038342.80
E: 2480679.48

SAWCUT

REMOVE FENCE

EX. STORM SEWER PIPE TO REMAIN

SAWCUT

N: 7038037.12
E: 2480846.70

N: 7038071.20
E: 2480833.29

EX. GRATE INLETS TO REMAIN

PROJECT LIMITS

LEASE LIMIT

COORDINATE RELOCATION OF OVERHEAD POWER LINE AND POWER POLE WITH UTILITY COMPANY

N: 7038333.05
E: 2480723.86

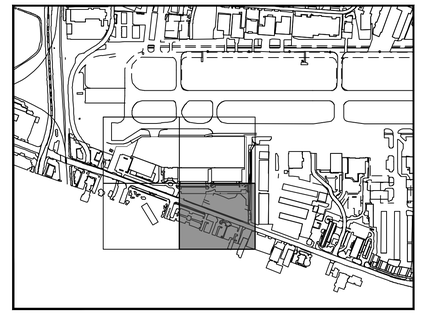
EX. SANITARY SEWER PIPE

LIMIT OF FENCE DEMOLITION
N: 7038353.69
E: 2480772.51

EX. SANITARY SEWER PIPE

EX. ASPHALT PAVEMENT

GEORGE HADDAWAY



KEY PLAN

NORTH

NOTES

1. REFER TO PHASING PLAN FOR FENCING REMOVAL AND CONSTRUCTION.
2. REMOVE EXISTING LANDSCAPE AS APPLICABLE

LEGEND

- ASPHALT PAVEMENT DEMOLITION
- CONCRETE PAVEMENT DEMOLITION
- DRAINAGE DITCH TO ME FILLED IN
- BUILDING AND FOUNDATION DEMOLITION
- LEASE LINE
- WATER LINE DEMOLITION
- FENCE DEMOLITION
- SANITARY SEWER DEMOLITION
- TAXIWAY EDGE LIGHT DEMOLITION

GRAPHIC SCALE IN FEET
0 15 30 60

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn

© 2019 KIMLEY-HORN AND ASSOCIATES, INC.

1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: (281) 419-1888 FAX: (281) 419-1828
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
LICENSED PROFESSIONAL ENGINEER
01/08/20

KHA PROJECT	067792503
DATE	12/11/2019
SCALE	AS SHOWN
DESIGNED BY	HCV
DRAWN BY	EC EAC
CHECKED BY	HCV

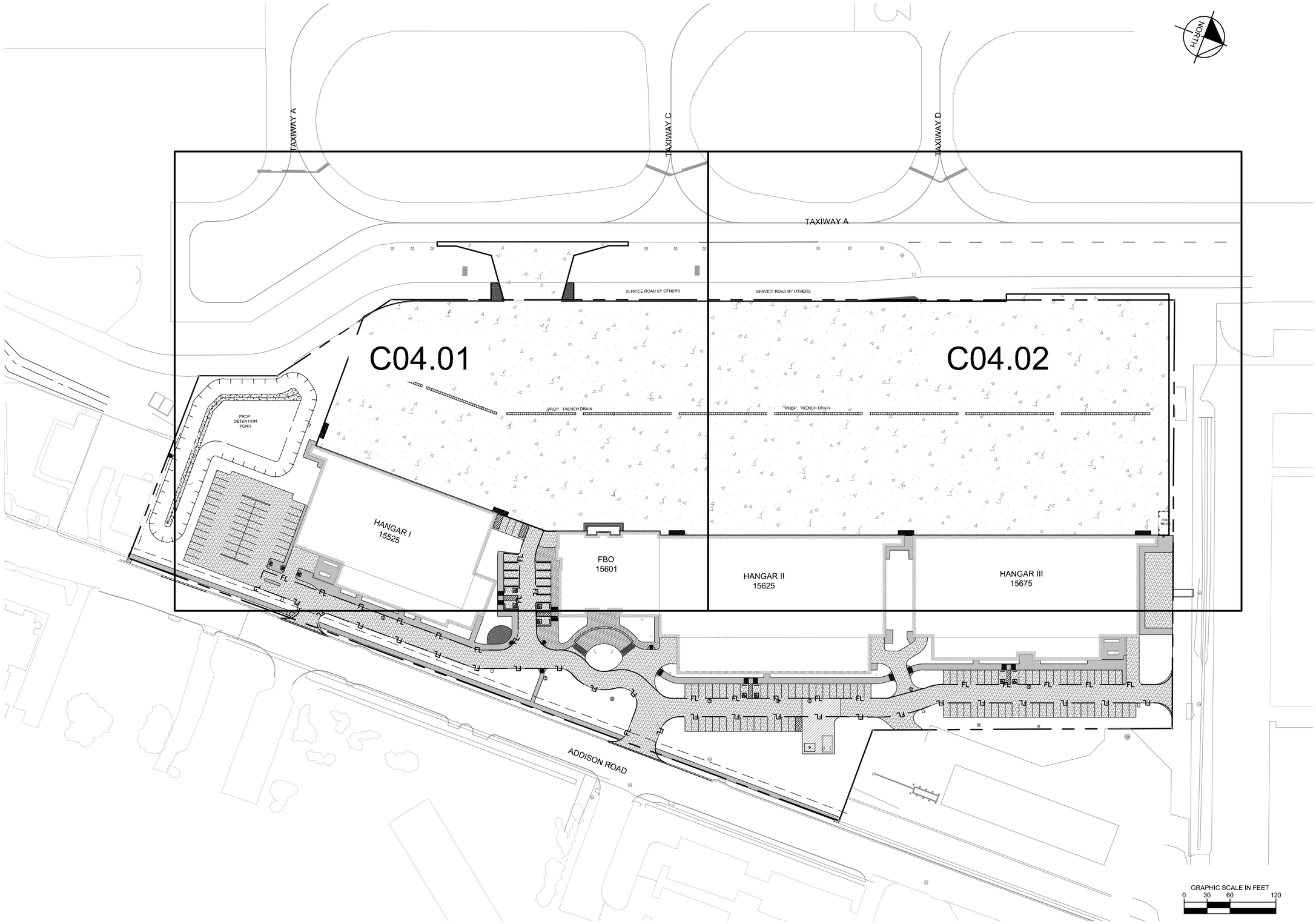
DEMOLITION PLAN

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C03.04

Plotted By:Acevedo, Eliath Sheet Set:Kha Layout:C03.04 January 09, 2020 06:17:37am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C03.00 DEMOLITION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By:Acevedo, Eliott Sheet Set:Kha Layout:C04.00 January 09, 2020 06:17:57am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C04.00 Airside GEOMETRY PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn

© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-1888
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
PROFESSIONAL ENGINEER
01/08/20

KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

AIRSIDE GEOMETRY PLAN KEY MAP

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C04.00

Plotted By:Acevedo, Eliath Sheet Set:Kha Layout:C04.01 January 09, 2020 06:18:00pm K:\WDL_Aviation\067792503 — Addison Galaxy FBO\ACAD\dwg\Sheets\C04.00 Airside GEOMETRY PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

TAXIWAY A

N: 7037207.34
E: 2480478.11

N: 7037209.25
E: 2480483.05

N: 7037232.57
E: 2480474.03

N: 7037279.87
E: 2480468.79

N: 7037440.68
E: 2480387.84

N: 7037442.22
E: 2480392.35

N: 7037418.91
E: 2480401.38

N: 7037380.57
E: 2480429.78

LEASE LINE

SERVICE ROAD BY OTHERS

N: 7037292.33
E: 2480502.00

N: 7037393.04
E: 2480463.01

N: 7037153.07
E: 2480609.27

N: 7037179.71
E: 2480571.27

N: 7037301.00
E: 2480524.41

N: 7037316.60
E: 2480518.38

N: 7037401.73
E: 2480485.44

N: 7037386.79
E: 2480491.22

LEASE LINE

PROP. DETENTION POND

BUILDING CORNER
N: 7037150.41
E: 2480783.59

N: 7037155.62
E: 2480783.51

PROP. TRENCH DRAIN

MATCHLINE SEE SHEET C04.02

BUILDING CORNER
N: 7037409.51
E: 2480779.79

N: 7037477.34
E: 2480778.82

BUILDING CORNER
N: 7037489.98
E: 2480773.91

TRANSITIONAL ADA RAMP

BUILDING CORNER
N: 7037615.73
E: 2480725.24

BUILDING CORNER
N: 7037617.66
E: 2480730.24

HANGAR I
15525

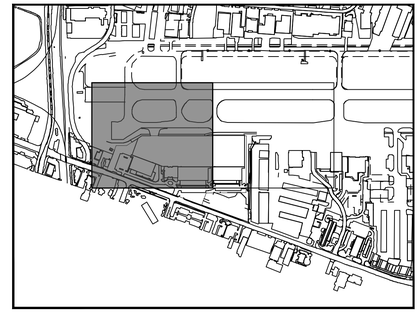
FBO
15601

FL

LEGEND

- PROPOSED 10.5" PCC APRON PAVEMENT
- PROPOSED 6" PCC LANDSIDE PAVEMENT
- PROPOSED STAMPED 6" PCC LANDSIDE PAVEMENT
- PROPOSED 5" SIDEWALK
- PROPOSED 10" PCC PER PERIMETER ROAD PLANS BY GARVER, DATED JUNE, 2019 (TOA BID NO. 19-223)

GRAPHIC SCALE IN FEET
0 15 30 60



KEY PLAN

NORTH

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-4700 FAX: 281-419-4928
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
PROFESSIONAL ENGINEER
01/08/20

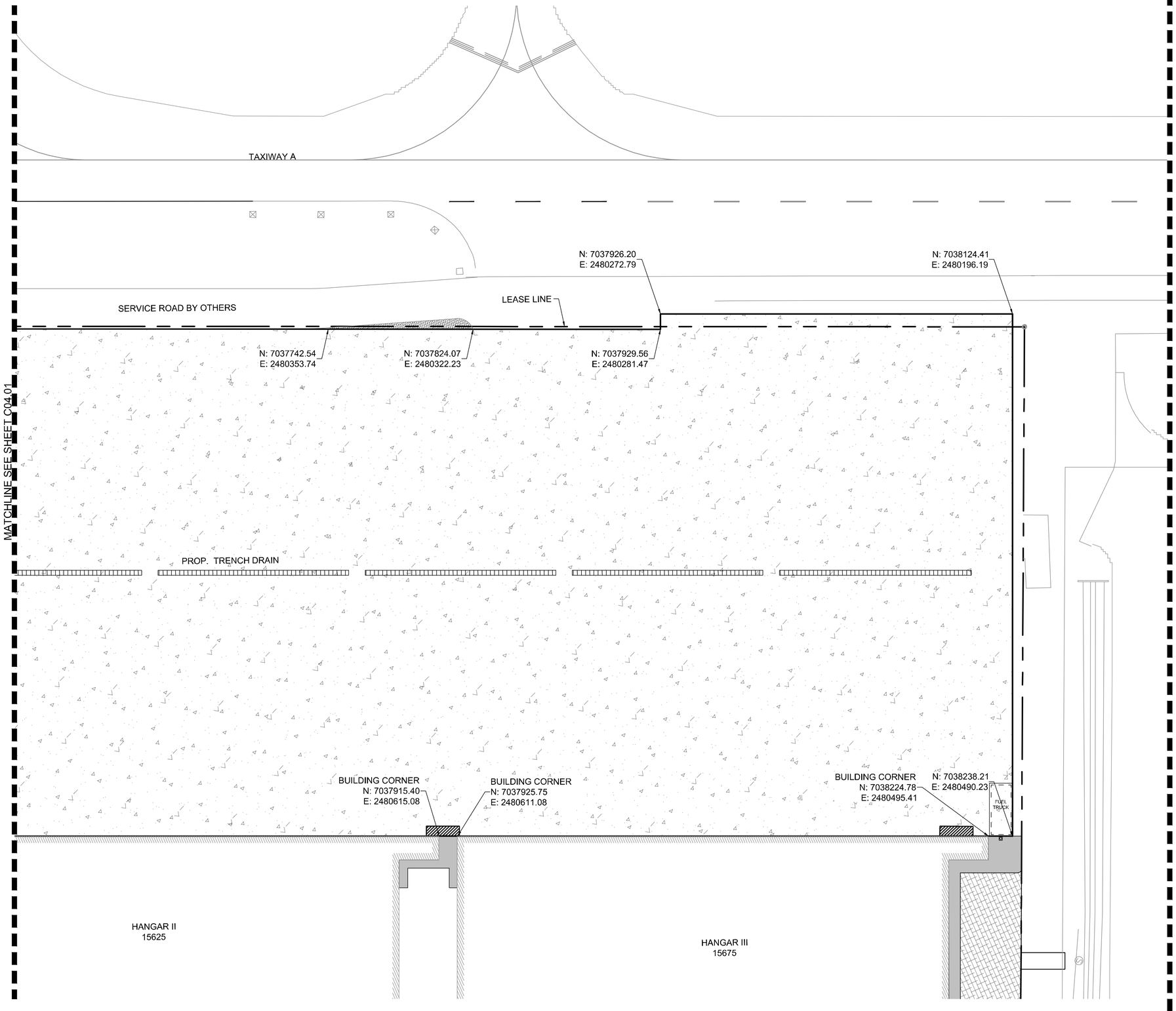
KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

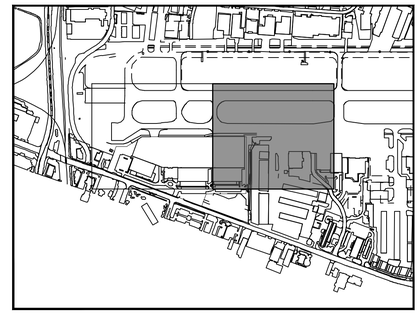
AIRSIDE GEOMETRY PLAN

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
ADDISON DALLAS, TEXAS

SHEET NUMBER
C04.01

Plotted By:Acevedo, Elioth Sheet Set:Kha Layout:C04.02 January 09, 2020 06:18:02am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C04.00 Airside GEOMETRY PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.





KEY PLAN

NORTH

LEGEND

- PROPOSED 10.5" PCC APRON PAVEMENT
- PROPOSED 6" PCC LANDSIDE PAVEMENT
- PROPOSED STAMPED 6" PCC LANDSIDE PAVEMENT
- PROPOSED 5" SIDEWALK
- PROPOSED 10" PCC PER PERIMETER ROAD PLANS BY GARVER, DATED JUNE, 2019 (TOA BID NO. 19-223)

GRAPHIC SCALE IN FEET
0 15 30 60

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281.419.5827
TBPE FIRM REGISTRATION #
WWW.KIMLEY-HORN.COM

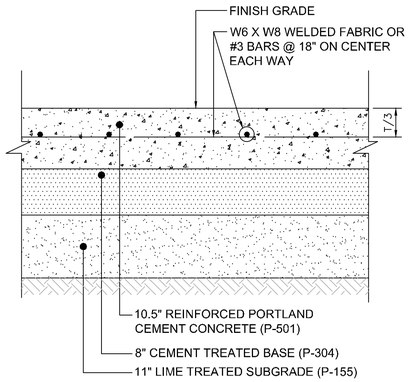
STATE OF TEXAS
JOSEPH J. MALO
80953
PROFESSIONAL ENGINEER
01/08/20

KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

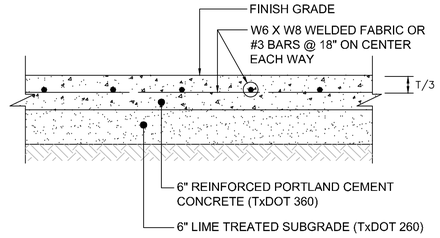
AIRSIDE GEOMETRY PLAN

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

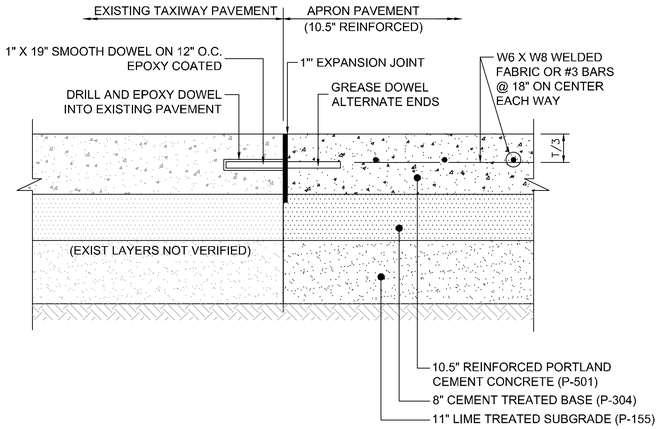
SHEET NUMBER
C04.02



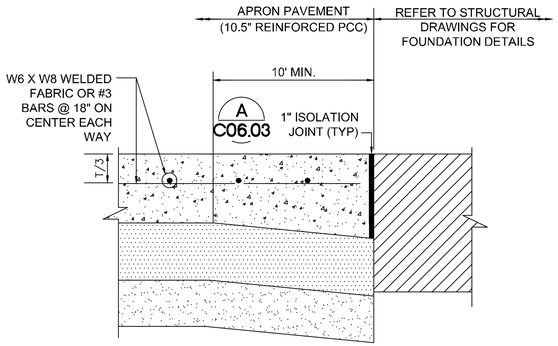
1 **10.5" PCC APRON PAVEMENT**
N.T.S.



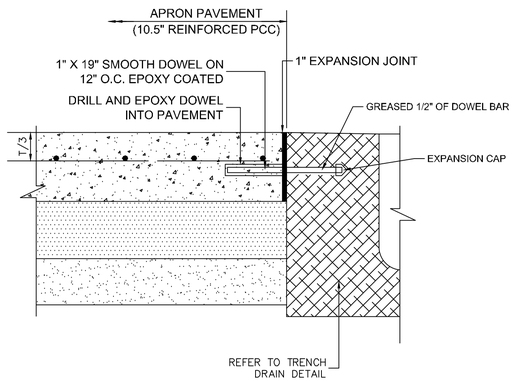
2 **6" PCC MEDIUM TRAFFIC PAVEMENT**
N.T.S.



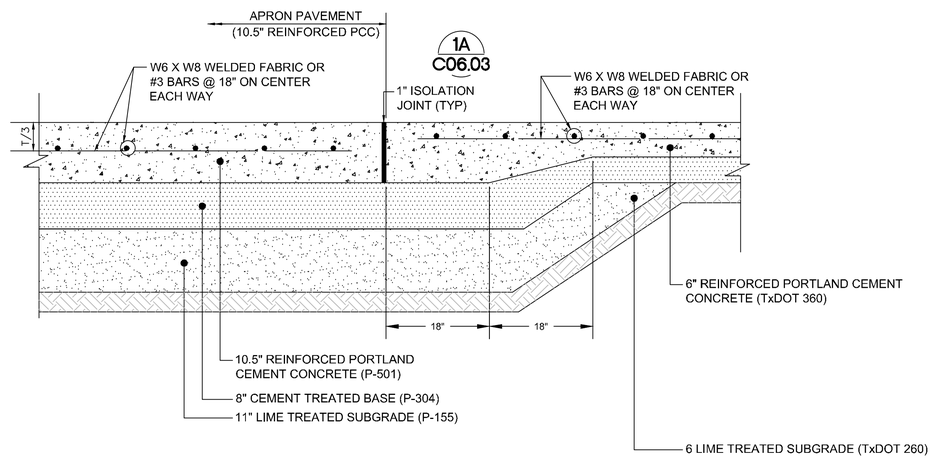
3 **TAXILANE PAVEMENT TIE TO EXISTING TAXIWAY PAVEMENT TYPICAL SECTION**
N.T.S.



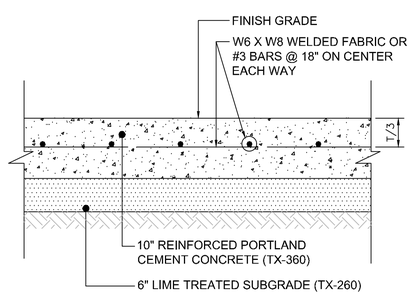
4 **THICKENED EDGE AT HANGAR SLAB**
N.T.S.



5 **APRON PAVEMENT ALONG TRENCH DRAIN TYPICAL SECTION**
N.T.S.



6 **APRON PAVEMENT TIE TO LANDSIDE PAVEMENT TYPICAL SECTION**
N.T.S.



7 **10" PCC PERIMETER ROAD PAVEMENT**
N.T.S.

DRILL HORIZONTAL AND EPOXY DOWEL INTO EXISTING PAVEMENT

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 832-823-2200 FAX: 281-445-9285
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
LICENSED PROFESSIONAL ENGINEER
01/08/20

KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

AIRSIDE PAVEMENT TYPICAL SECTIONS

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
ADDISON, DALLAS, TEXAS

SHEET NUMBER
C04.03

Plotted By:Acevedo, Elioth Sheet Set:Kha Layout:C04.03 January 09, 2020 06:18:14am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C04.00 AIRSIDE PAVEMENT DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By:Acevedo, Eiloth Sheet Set:Kha Layout:C05.00 January 09, 2020 08:18:36am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C05.00 GEOMETRY LANDSIDE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

TAXIWAY A

TAXIWAY C

TAXIWAY D

TAXIWAY A

NORTH

DETENTION POND

HANGAR I
15525

C05.01

FBO
15601

HANGAR II
15625

C05.02

HANGAR III
15675

C05.03

CAR WASH AREA

FUEL TRUCK

20' LANDSCAPE SETBACK

20' LANDSCAPE SETBACK

ADDISON ROAD

GRAPHIC SCALE IN FEET
0 30 60 120

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn

© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-1888
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
PROFESSIONAL ENGINEER

01/08/20

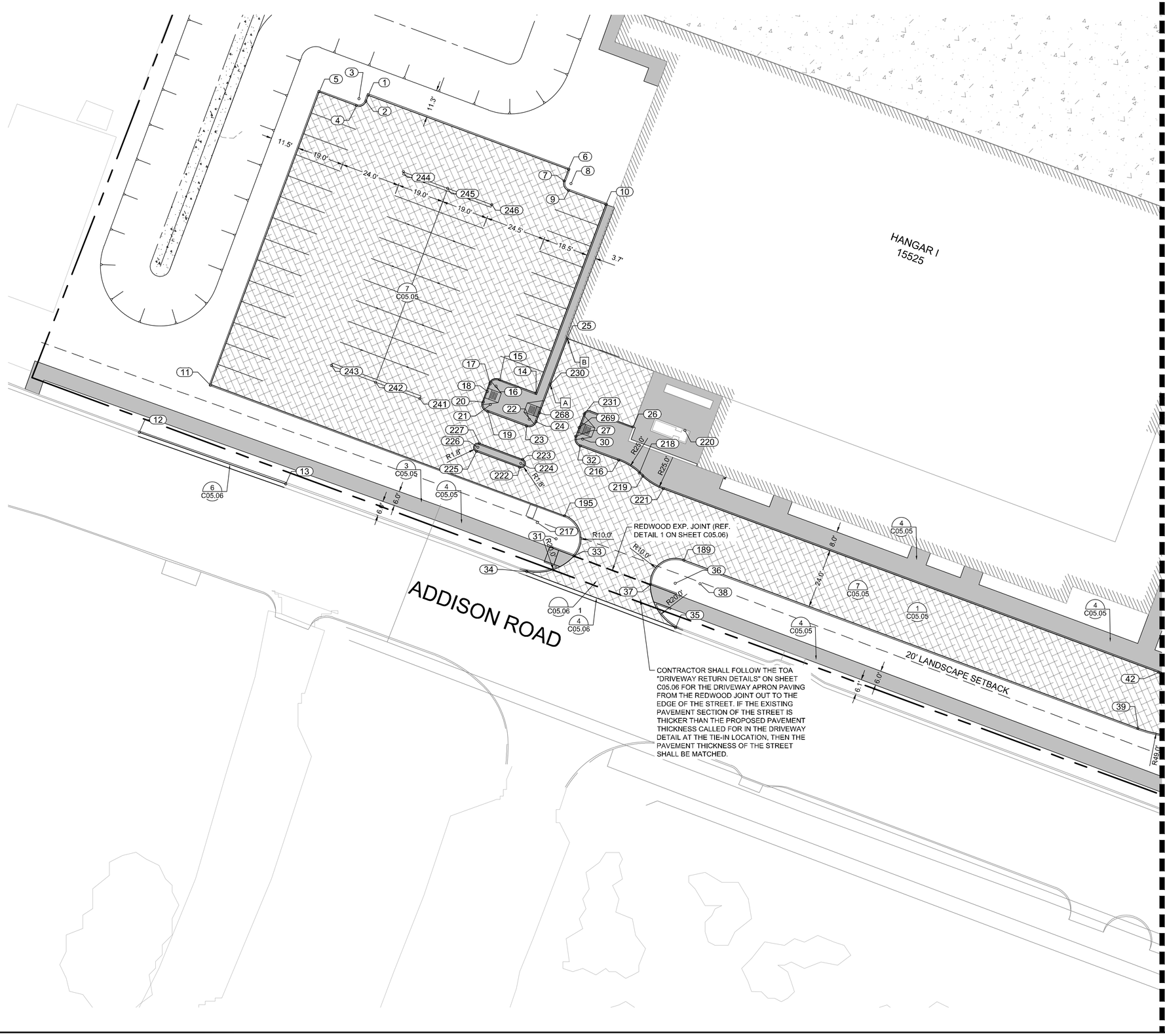
KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN | DESIGNED BY HCV | DRAWN BY EC EAC | CHECKED BY HCV

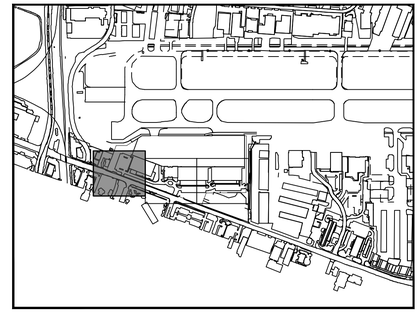
GEOMETRY
LANDSIDE PLAN

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE

ADDISON, DALLAS, TEXAS

SHEET NUMBER
C05.00





KEY PLAN

NOTES:

A START OF CURB TRANSITION.

B END OF CURB TRANSITION.

1. ALL RADII 3' UNLESS OTHERWISE NOTED
2. SEE GEOMETRY LANDSIDE POINT TABLE ON SHEET C05.04.

LEGEND

- PROPOSED 10.5" PCC APRON PAVEMENT
- PROPOSED 6" PCC LANDSIDE MEDIUM DUTY PAVEMENT
- PROPOSED STAMPED 6" PCC LANDSIDE PAVEMENT
- PROPOSED 5" SIDEWALK
- PROPOSED 7" PCC LANDSIDE HEAVY DUTY PAVEMENT
- PROPOSED LANDSCAPE FEATURE. REF. LANDSCAPE PLANS FOR DETAILS.
- DETAIL # / PAGE #

GRAPHIC SCALE IN FEET
0 10 20 40

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-1826 FAX: 281-419-1828
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
PROFESSIONAL ENGINEER
01/08/20

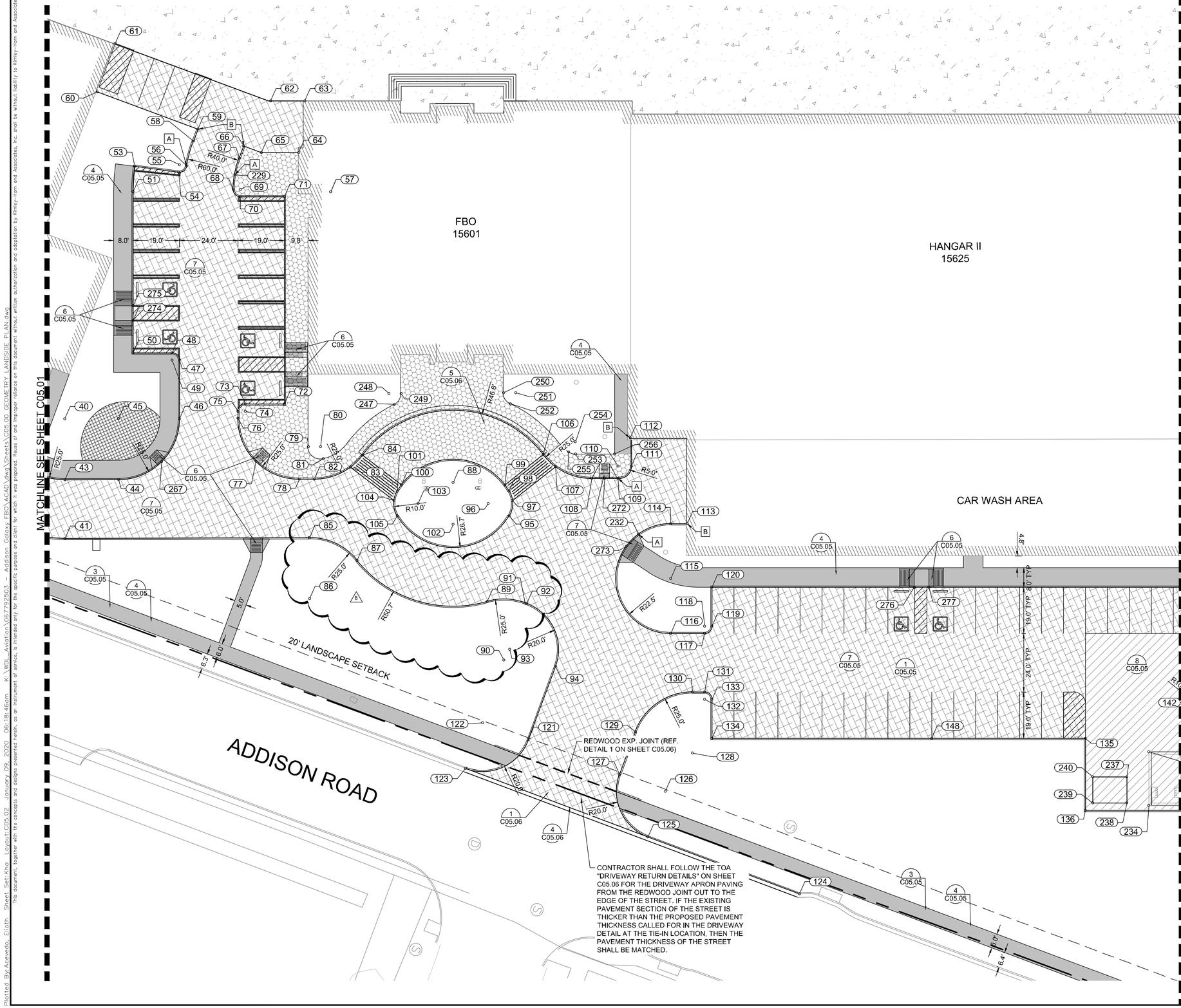
KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

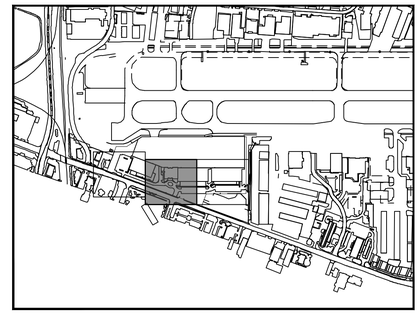
GEOMETRY LANDSIDE PLAN

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C05.01

Plotted By:Acevedo, Eliath Sheet Set:Kha Layout:C05.01 January 09, 2020 06:18:41am K:\WDL_Aviation\067792503 — Addison Galaxy FBO\ACAD\dwg\Sheets\C05.00 GEOMETRY LANDSIDE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.





KEY PLAN

NOTES:

A START OF CURB TRANSITION.

B END OF CURB TRANSITION.

1. ALL RADII 3' UNLESS OTHERWISE NOTED
2. SEE GEOMETRY LANDSIDE POINT TABLE ON SHEET C05.04.

LEGEND

- PROPOSED 10.5" PCC APRON PAVEMENT
- PROPOSED 6" PCC LANDSIDE MEDIUM DUTY PAVEMENT
- PROPOSED STAMPED 6" PCC LANDSIDE PAVEMENT
- PROPOSED 5" SIDEWALK
- PROPOSED 7" PCC LANDSIDE HEAVY DUTY PAVEMENT
- PROPOSED LANDSCAPE FEATURE. REF. LANDSCAPE PLANS FOR DETAILS.
- DETAIL # / PAGE #

GRAPHIC SCALE IN FEET
0 10 20 40

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-1888 FAX: 281-419-1828
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
PROFESSIONAL ENGINEER
01/08/20

KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

GEOMETRY LANDSIDE PLAN

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
ADDISON, DALLAS, TEXAS

SHEET NUMBER
C05.02

Plotted By:Acevedo, Eliath Sheet Set:Kha Layout:C05.02 January 09, 2020 06:18:46am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C05.00 GEOMETRY LANDSIDE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By:Acevedo, Elioth Sheet Set:Kha Layout:C05.03 January 09, 2020 06:18:53am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\xACAD\dwg\Sheets\C05.00 GEOMETRY LANDSIDE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

MATCHLINE SEE SHEET C05.02

HANGAR III
15675

FUEL TRUCK

4.6'

19.0' TYP.
24.0' TYP.
19.0' TYP.
80' TYP.

R5.0'
R21.5'
R15.0'
R45.0'
R10.0'
R25.0'

NOTES:

A START OF CURB TRANSITION.

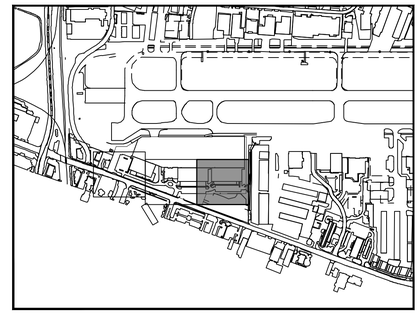
B END OF CURB TRANSITION.

1. ALL RADII 3' UNLESS OTHERWISE NOTED
2. SEE GEOMETRY LANDSIDE POINT TABLE ON SHEET C05.04.

LEGEND

- PROPOSED 10.5" PCC APRON PAVEMENT
- PROPOSED 6" PCC LANDSIDE MEDIUM DUTY PAVEMENT
- PROPOSED STAMPED 6" PCC LANDSIDE PAVEMENT
- PROPOSED 5" SIDEWALK
- PROPOSED 7" PCC LANDSIDE HEAVY DUTY PAVEMENT
- PROPOSED LANDSCAPE FEATURE. REF. LANDSCAPE PLANS FOR DETAILS.
- DETAIL # / PAGE #

GRAPHIC SCALE IN FEET
0 10 20 40



KEY PLAN

NORTH

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-1888 FAX: 281-419-1828
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
PROFESSIONAL ENGINEER
01/08/20

KHA PROJECT	067792503
DATE	12/11/2019
SCALE	AS SHOWN
DESIGNED BY	HCV
DRAWN BY	EC EAC
CHECKED BY	HCV

GEOMETRY LANDSIDE PLAN

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C05.03

POINT TABLE		
Point #	Northing	Easting
1	7037065.26	2480853.99
2	7037065.30	2480856.57
3	7037062.30	2480856.61
4	7037062.34	2480859.61
5	7037046.35	2480859.83
6	7037151.25	2480852.76
7	7037151.32	2480857.71
8	7037154.32	2480857.67
9	7037154.37	2480860.67
10	7037170.37	2480860.44
11	7037048.14	2480985.82
12	7037028.27	2481013.89
13	7037090.78	2481012.01
14	7037171.53	2480941.43
15	7037156.03	2480941.65
16	7037155.55	2480944.65
17	7037153.07	2480944.69
18	7037153.12	2480948.00
19	7037156.21	2480955.45
20	7037153.17	2480952.50
21	7037156.12	2480952.45
22	7037172.85	2480952.23
23	7037172.89	2480955.23
24	7037175.84	2480952.18
25	7037175.36	2480916.38
26	7037212.98	2480940.01
27	7037192.84	2480951.94
30	7037195.84	2480951.90
31	7037200.31	2480993.34
32	7037195.88	2480954.90
33	7037209.57	2480997.13
34	7037194.10	2481009.86
35	7037258.10	2481009.27
36	7037251.56	2480992.61
37	7037242.45	2480996.76

POINT TABLE		
Point #	Northing	Easting
38	7037260.98	2480989.23
39	7037446.46	2480979.83
40	7037445.76	2480930.84
41	7037463.58	2480976.48
42	7037446.12	2480955.84
43	7037454.85	2480954.13
44	7037475.38	2480946.11
45	7037466.29	2480922.82
46	7037489.61	2480913.80
47	7037480.93	2480891.37
48	7037477.05	2480889.65
49	7037478.13	2480892.45
50	7037462.12	2480895.43
51	7037438.32	2480833.92
52	7037513.86	2480804.69
53	7037435.18	2480823.91
54	7037452.73	2480819.62
55	7037452.02	2480816.71
56	7037454.96	2480816.13
57	7037513.86	2480804.69
58	7037453.87	2480805.57
59	7037453.79	2480800.33
60	7037409.82	2480800.96
61	7037409.51	2480779.81
62	7037477.40	2480778.82
63	7037490.47	2480773.76
64	7037495.76	2480794.41
65	7037481.50	2480799.93
66	7037473.79	2480800.05
67	7037473.87	2480805.28
68	7037476.18	2480818.11
69	7037479.01	2480817.11
70	7037480.09	2480819.91
71	7037496.87	2480813.41
72	7037527.52	2480892.64

POINT TABLE		
Point #	Northing	Easting
73	7037512.60	2480898.41
74	7037513.69	2480901.21
75	7037510.89	2480902.29
76	7037511.91	2480904.94
77	7037525.15	2480918.80
78	7037544.32	2480919.21
79	7037543.02	2480905.43
80	7037547.68	2480903.63
81	7037550.48	2480907.77
82	7037550.05	2480916.97
83	7037562.07	2480907.07
84	7037564.98	2480900.62
85	7037556.87	2480940.07
86	7037565.96	2480963.36
87	7037578.42	2480941.69
88	7037603.68	2480897.74
89	7037634.26	2480938.17
90	7037649.34	2480958.11
91	7037648.98	2480933.11
92	7037649.68	2480933.10
93	7037649.97	2480953.10
94	7037669.97	2480952.81
95	7037630.00	2480902.18
96	7037620.14	2480900.52
97	7037628.98	2480895.85
98	7037626.31	2480892.65
99	7037623.78	2480890.89
100	7037584.20	2480906.21
101	7037583.52	2480909.21
102	7037609.84	2480913.65
103	7037593.38	2480910.87
104	7037583.69	2480913.35
105	7037587.21	2480918.74
106	7037633.94	2480873.71
107	7037640.44	2480876.48

POINT TABLE		
Point #	Northing	Easting
108	7037656.00	2480875.62
109	7037666.00	2480871.72
110	7037664.19	2480867.06
111	7037669.32	2480865.08
112	7037664.69	2480854.52
113	7037699.21	2480878.83
114	7037692.89	2480881.28
115	7037701.01	2480902.26
116	7037709.14	2480923.24
117	7037722.14	2480918.21
118	7037721.05	2480915.41
119	7037723.85	2480914.33
120	7037718.08	2480899.41
121	7037670.43	2480984.89
122	7037650.43	2480985.17
123	7037650.63	2481005.17
124	7037796.88	2481003.79
125	7037730.53	2481004.42
126	7037730.42	2480984.42
127	7037710.43	2480984.70
128	7037735.16	2480965.71
129	7037710.16	2480966.07
130	7037726.14	2480942.40
131	7037730.80	2480940.59
132	7037731.88	2480943.39
133	7037734.68	2480942.31
134	7037740.45	2480957.23
135	7037883.14	2480902.01
136	7037893.77	2480929.48
137	7037955.21	2480782.20
138	7037986.90	2480753.92
139	7037974.17	2480744.23
140	7038260.65	2480656.06
141	7037932.94	2480914.32
142	7037919.06	2480878.46

POINT TABLE		
Point #	Northing	Easting
143	7037979.42	2480850.80
144	7037971.15	2480874.39
145	7037962.12	2480851.07
146	7037968.53	2480867.23
147	7037995.74	2480856.52
148	7037824.39	2480924.75
149	7038132.75	2480785.97
150	7038029.92	2480843.08
151	7038019.17	2480838.78
152	7038019.19	2480817.76
153	7038032.35	2480806.12
154	7038022.32	2480829.81
155	7038039.07	2480801.87
156	7038040.25	2480804.62
157	7038043.05	2480803.54
158	7038048.82	2480818.45
159	7037944.70	2480811.71
160	7037950.47	2480826.63
161	7037954.35	2480828.35
162	7037969.25	2480822.58
163	7037963.84	2480808.59
164	7037975.07	2480798.65
165	7037966.12	2480788.53
166	7037951.14	2480801.78
167	7037943.92	2480783.13
168	7037935.11	2480786.53
169	7037939.10	2480748.50
170	7037943.85	2480760.78
171	7037948.52	2480758.97
172	7037950.32	2480763.64
173	7037961.85	2480759.17
174	7037960.05	2480754.51
175	7037964.02	2480757.54
176	7037976.92	2480740.62
177	7037972.95	2480737.59

POINT TABLE		
Point #	Northing	Easting
178	7037977.61	2480735.78
179	7037976.81	2480733.73
180	7037991.74	2480727.95
181	7037992.52	2480729.97
182	7037989.62	2480750.35
183	7037980.45	2480762.38
184	7037988.40	2480768.44
185	7037980.91	2480775.07
186	7037993.06	2480788.80
187	7038004.30	2480778.86
188	7038014.24	2480790.10
189	7037251.42	2480982.61
190	7038030.54	2480779.42
191	7038029.42	2480776.64
192	7038032.22	2480775.55
193	7038026.44	2480760.63
194	7038244.67	2480676.17
195	7037200.17	2480983.34
196	7038250.59	2480691.48
197	7038253.00	2480690.55
198	7038240.59	2480657.64
199	7038249.97	2480628.42
200	7038270.38	2480681.23
201	7038275.05	2480679.43
202	7038276.85	2480684.09
203	7038283.83	2480727.50
204	7038278.06	2480712.58
205	7038280.85	2480711.50
206	7038279.77	2480708.70
207	7038297.75	2480701.74
208	7038306.78	2480725.05
209	7038330.16	2480716.22
210	7038303.82	2480646.99
211	7038280.46	2480655.89
212	7038289.48	2480679.21

POINT TABLE		
Point #	Northing	Easting
214	7038255.41	2480689.62
215	7037953.27	2480825.55
216	7037212.44	2480954.66
217	7037190.92	2480989.90
218	7037222.03	2480956.43
219	7037223.72	2480957.10
220	7037232.95	2480933.87
221	7037233.31	2480958.86
222	7037176.22	2480971.78
223	7037176.17	2480968.28
224	7037176.14	2480970.03
225	7037157.67	2480972.04
226	7037157.64	2480970.29
227	7037157.61	2480968.54
228	7038242.72	2480656.81
229	7037474.60	2480812.32
230	7037175.63	2480936.09
231	7037192.71	2480942.29
232	7037682.14	2480890.01
233	7037930.35	2480913.17
234	7037917.30	2480918.23
235	7037909.36	2480897.71
236	7037922.41	2480892.66
237	7037904.69	2480910.59
238	7037908.54	2480920.54
239	7037895.49	2480925.60
240	7037891.63	2480915.65
241	7037128.77	2480960.38
242	7037109.77	2480960.64
243	7037090.78	2480960.91
244	7037089.60	2480877.64
245	7037108.60	2480877.37
246	7037127.59	2480877.10
247	7037569.59	2480876.55
248	7037565.91	2480873.17

POINT TABLE		
Point #	Northing	Easting
249	7037570.57	2480871.36
250	7037609.63	2480855.92
251	7037614.30	2480854.12
252	7037613.92	2480859.10
253	7037646.17	2480868.71
254	7037644.36	2480864.06
255	7037643.30	2480868.94
256	7037661.09	2480862.90
257	7038252.51	2480614.45
258	7038284.55	2480602.05
259	7038289.48	2480609.37
260	7038249.16	2480624.97
261	7038285.27	2480603.92
262	7038287.14	2480603.21
263	7038216.77	2480522.13
264	7038249.33	2480509.52
265	7038248.61	2480507.66
266	7038250.48	2480506.95
267	7037489.17	2480932.91
268	7037175.79	2480948.28
269	7037192.78	2480948.05
270	7037968.92	2480791.70
271	7037983.88	2480778.42
272	7037660.89	2480873.72
273	7037679.28	2480896.44
274	7037457.35	2480883.10
275	7037455.19	2480877.50
276	7037795.30	2480869.53
277	7037800.89	2480867.36
278	7038103.38	2480730.85
279	7038108.97	2480728.69

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn

© 2019 KIMLEY-HORN AND ASSOCIATES, INC.

1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-1888
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
LICENSED PROFESSIONAL ENGINEER

01/08/20

KHA PROJECT 067792503

DATE 12/11/2019

SCALE AS SHOWN

DESIGNED BY HCV

DRAWN BY EC EAC

CHECKED BY HCV

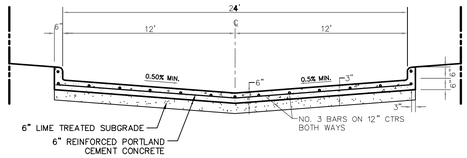
GEOMETRY LANDSIDE POINT TABLE

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE

ADDISON DALLAS, TEXAS

SHEET NUMBER
C05.04

Plotted By:Acevedo, Eiloth Sheet Set:Kha Layout:C05.04 January 09, 2020 06:18:56am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C05.00 GEOMETRY LANDSIDE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

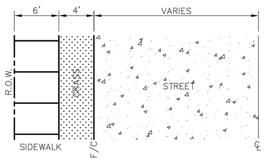


STANDARD SLOPED PAVING SECTION WITH CURB

NTS

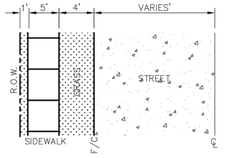
ARTERIAL

6' SIDEWALK EDGE SHALL BE LOCATED ON THE R.O.W. LINE OF ARTERIAL STREETS.



RESIDENTIAL/COLLECTOR

5' SIDEWALK SHALL BE LOCATED 1' INSIDE R.O.W. OF RESIDENTIAL STREETS.

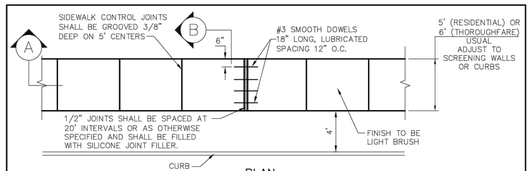


Addison!
PUBLIC WORKS DEPARTMENT

CONCRETE SIDEWALK CONTINUED

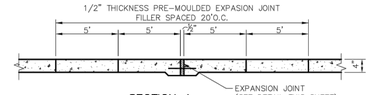
STANDARD CONSTRUCTION DETAILS PAVING

DATE: AUGUST, 2010 | REV DATE: – | SHEET : SD-P27



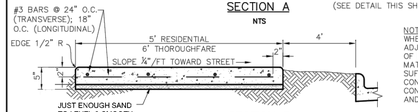
PLAN

NTS



SECTION A

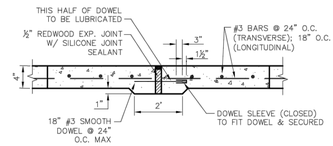
NTS



NOTE:
WHEN CONCRETE WALK IS ADJACENT TO CURB, DEPTH OF EXPANSION JOINT MATERIAL SHALL BE SUFFICIENT TO PREVENT CONCRETE TO CONCRETE CONTACT BETWEEN WALK AND CURB.

SECTION B

NTS



EXPANSION JOINT DETAIL

NTS

Addison!
PUBLIC WORKS DEPARTMENT

CONCRETE SIDEWALK

STANDARD CONSTRUCTION DETAILS PAVING

DATE: AUGUST, 2010 | REV DATE: – | SHEET : SD-P26

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-1888
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

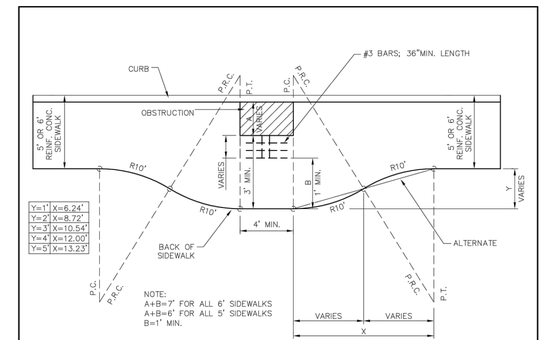
STATE OF TEXAS
JOSEPH J. MALO
80953
LICENSED PROFESSIONAL ENGINEER
01/08/20

KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN | DESIGNED BY HCV | DRAWN BY EAC | CHECKED BY HCV

LANDSIDE PAVEMENT DETAILS

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

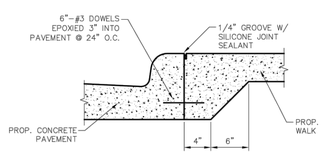
SHEET NUMBER
C05.05



NOTE:
A+B=7' FOR ALL 6' SIDEWALKS
A+B=6' FOR ALL 5' SIDEWALKS
B=1' MIN.

SIDEWALK WIDENING REQUIRED AROUND OBSTACLE IN SIDEWALK

NTS



JOINT DETAIL FOR SIDEWALKS ADJACENT TO CURB

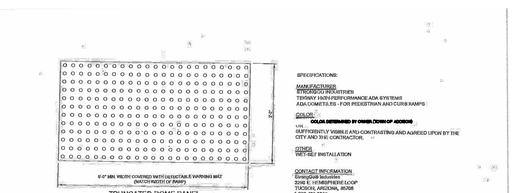
NTS

Addison!
PUBLIC WORKS DEPARTMENT

SIDEWALK WIDENING REQUIRED AROUND OBSTACLE IN SIDEWALK & JOINT DETAIL FOR SIDEWALKS ADJACENT TO CURB

STANDARD CONSTRUCTION DETAILS PAVING

DATE: AUGUST, 2010 | REV DATE: – | SHEET : SD-P25

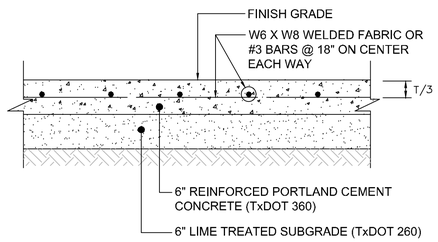


Addison!
PUBLIC WORKS DEPARTMENT

BARRIER FREE RAMP

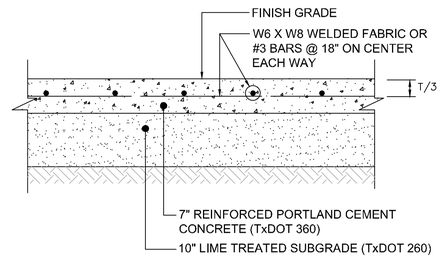
STANDARD CONSTRUCTION DETAILS PAVING

DATE: AUGUST, 2010 | REV DATE: MARCH, 2019 | SHEET # SD-P30



6" PCC
MEDIUM TRAFFIC PAVEMENT

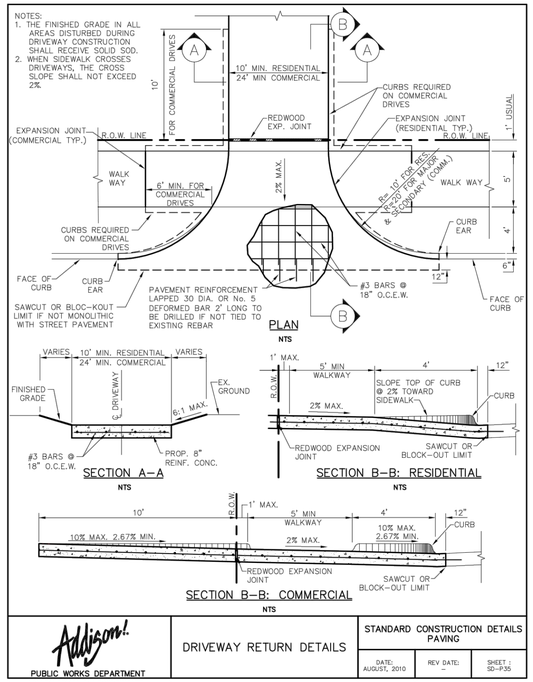
N.T.S.



7" PCC
HEAVY DUTY PAVEMENT

N.T.S.

Plotted By:Acevedo, Eliott Sheet Set:Kha Layout:C05.05 January 09, 2020 06:19:11am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C05.00 LANDSIDE PAVEMENT DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adoption by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



Addison!
PUBLIC WORKS DEPARTMENT

DRIVEWAY RETURN DETAILS

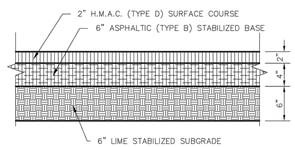
STANDARD CONSTRUCTION DETAILS PAVING

DATE:	REV DATE:	SHEET :
AUGUST, 2010	–	SD-P35

1

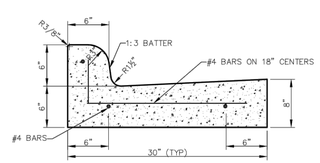
STAMPED CONCRETE PATTERNS
(PRIVATE PAVEMENT, NON-FIRELANE)
N.T.S.

5



ASPHALT PAVING CROSS SECTION

NOTE:
CUT OF 6" INTO EXISTING PAVEMENT IS REQUIRED FOR CONSTRUCTION JOINT WITH NEW POURS TO GET A SMOOTH FINISH.



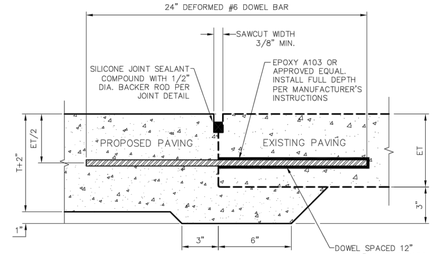
Addison!
PUBLIC WORKS DEPARTMENT

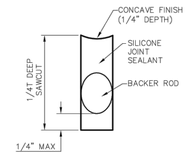
CURB AND GUTTER & ASPHALT PAVING CROSS SECTION

STANDARD CONSTRUCTION DETAILS PAVING

DATE:	REV DATE:	SHEET :
AUGUST, 2010	–	SD-P06

6





JOINT DETAIL
NTS

NOTE:
1. NO. 5 DEFORMED DOWEL BAR MAY BE USED IN 6 INCH PAVEMENT.
2. DOWEL BARS SHALL BE DRILLED INTO PAVEMENT HORIZONTALLY BY USE OF A MECHANICAL RIG.
3. DRILLING BY HAND IS NOT ACCEPTABLE, PUSHING DOWEL BARS INTO GREEN CONCRETE IS NOT ACCEPTABLE.

T=PROPOSED PAVEMENT THICKNESS
ET=EXISTING PAVEMENT THICKNESS

PAVEMENT REPAIR HEADER
NTS

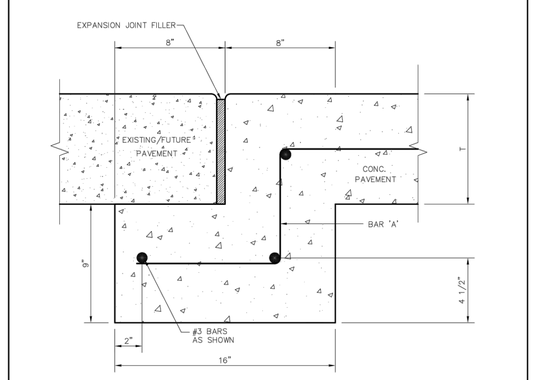
Addison!
PUBLIC WORKS DEPARTMENT

PAVEMENT REPAIR HEADER

STANDARD CONSTRUCTION DETAILS PAVING

DATE:	REV DATE:	SHEET :
AUGUST, 2010	–	SD-P16

3



NOTES:
1. PAVEMENT BARS TO BE BENT DOWN INTO HEADER.
2. HEADER AND PAVEMENT TO BE MONOLITHIC.

T=PAVEMENT THICKNESS

STREET HEADER
NTS

Addison!
PUBLIC WORKS DEPARTMENT

STREET HEADER

STANDARD CONSTRUCTION DETAILS PAVING

DATE:	REV DATE:	SHEET :
AUGUST, 2010	–	SD-P15

4

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn

© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 832-778-4700
TBPE FIRM REGISTRATION #F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
LICENSED PROFESSIONAL ENGINEER
01/08/20

KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN | DESIGNED BY HCV | DRAWN BY EC EAC | CHECKED BY HCV

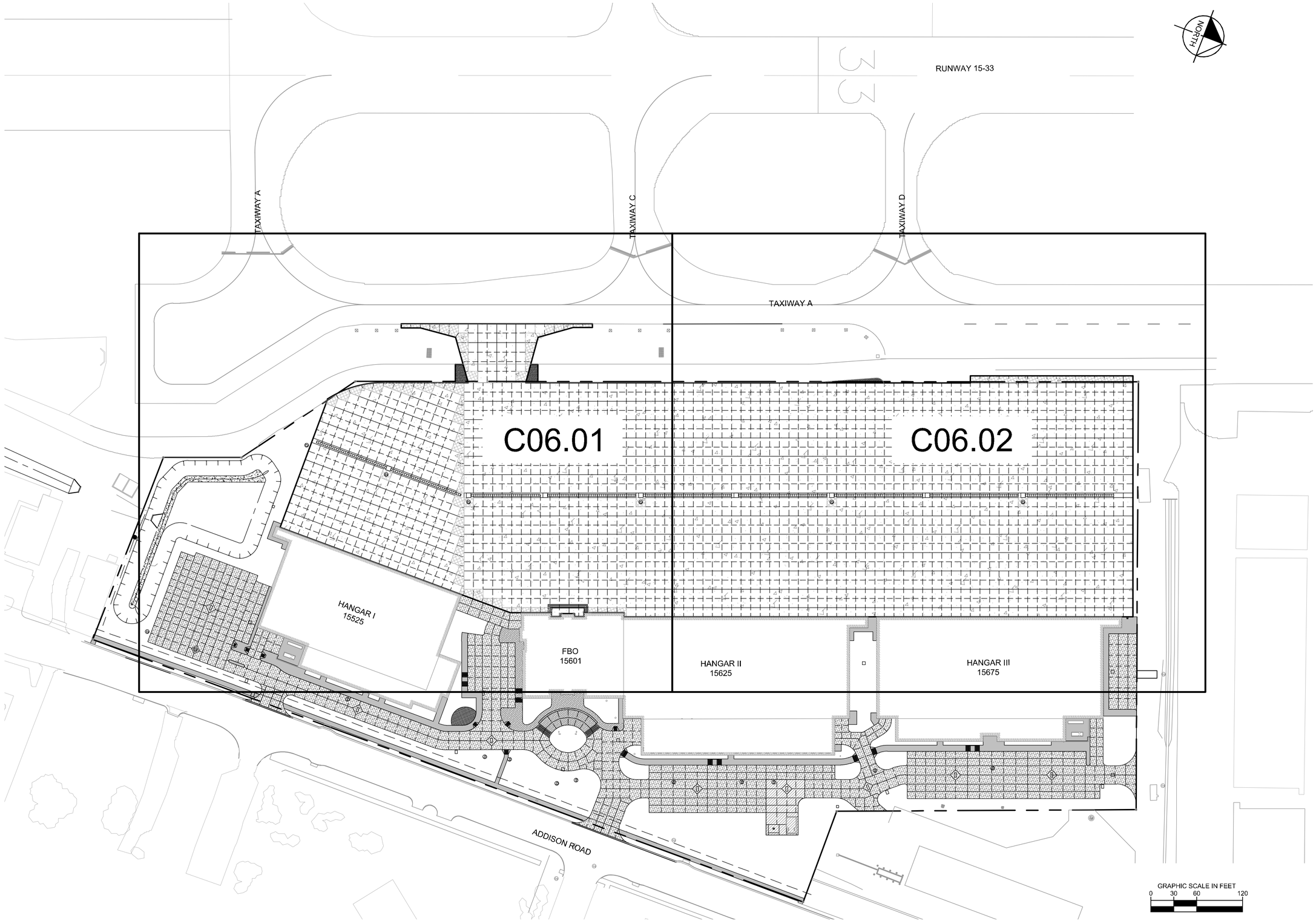
LANDSIDE PAVEMENT DETAILS

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
ADDISON DALLAS, TEXAS

SHEET NUMBER
C05.06

Plotted By:Acevedo, Eliott Sheet Set:Kha Layout:C05.06 January 09, 2020 06:19:13am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C05.00 LANDSIDE PAVEMENT DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By:Acevedo, Eliott Sheet Set:Kha Layout:C06.00 January 09, 2020 06:19:30am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C06.00 AIRSIDE JOINT LAYOUT PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-1888 FAX: 281-419-1828
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
LICENSED PROFESSIONAL ENGINEER
01/08/20

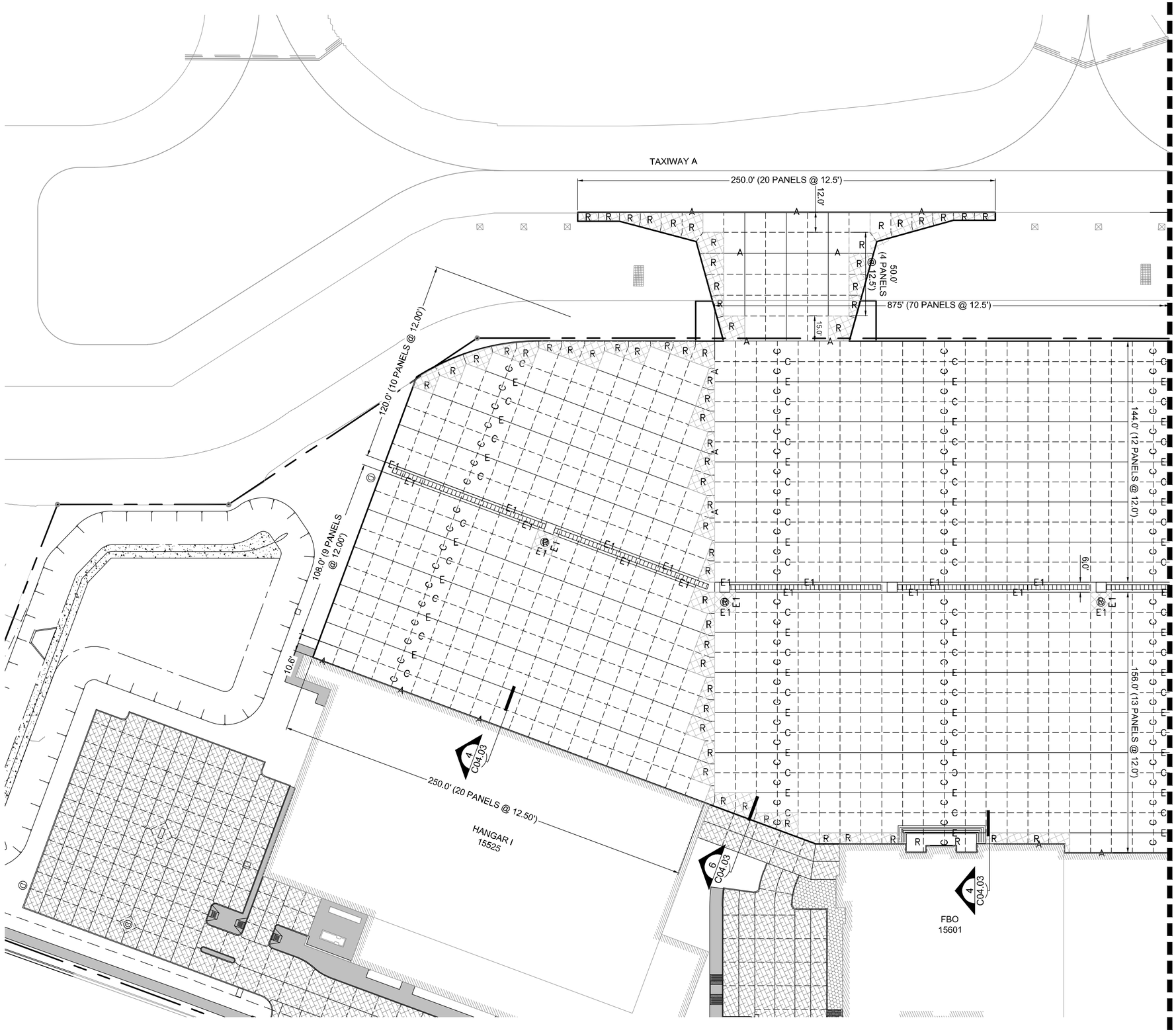
KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

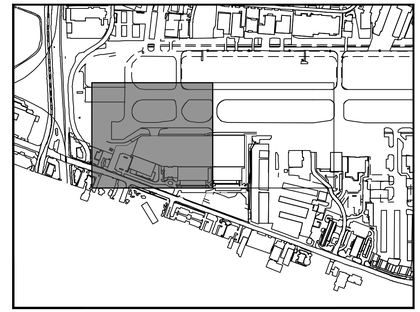
AIRSIDE JOINT LAYOUT PLAN KEY MAP

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C06.00

Plotted By:Acevedo, Eliath Sheet Set:Kha Layout:C06.01 January 09, 2020 06:19:33am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C06.00 AIRSIDE JOINT LAYOUT PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.





KEY PLAN

NOTES:

1. TYPE 'E1' JOINTS SHALL SURROUND ALL STRUCTURES.
2. INSTALL (2) 24 INCH #5 DEFORMED REBAR AT THE CORNERS OF ALL INLETS.

LEGEND

- A — TYPE A THICKENED EDGE ISOLATION JOINT
- E — TYPE E DOWELED CONSTRUCTION JOINT
- C — TYPE C DOWELED CONTRACTION JOINT
- E1 — TYPE E1 EXPANSION JOINT
- R — DOUBLE REINFORCED PANEL

GRAPHIC SCALE IN FEET
0 15 30 60

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-863-7553 FAX: 281-863-7559
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
PROFESSIONAL ENGINEER
01/08/20

KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

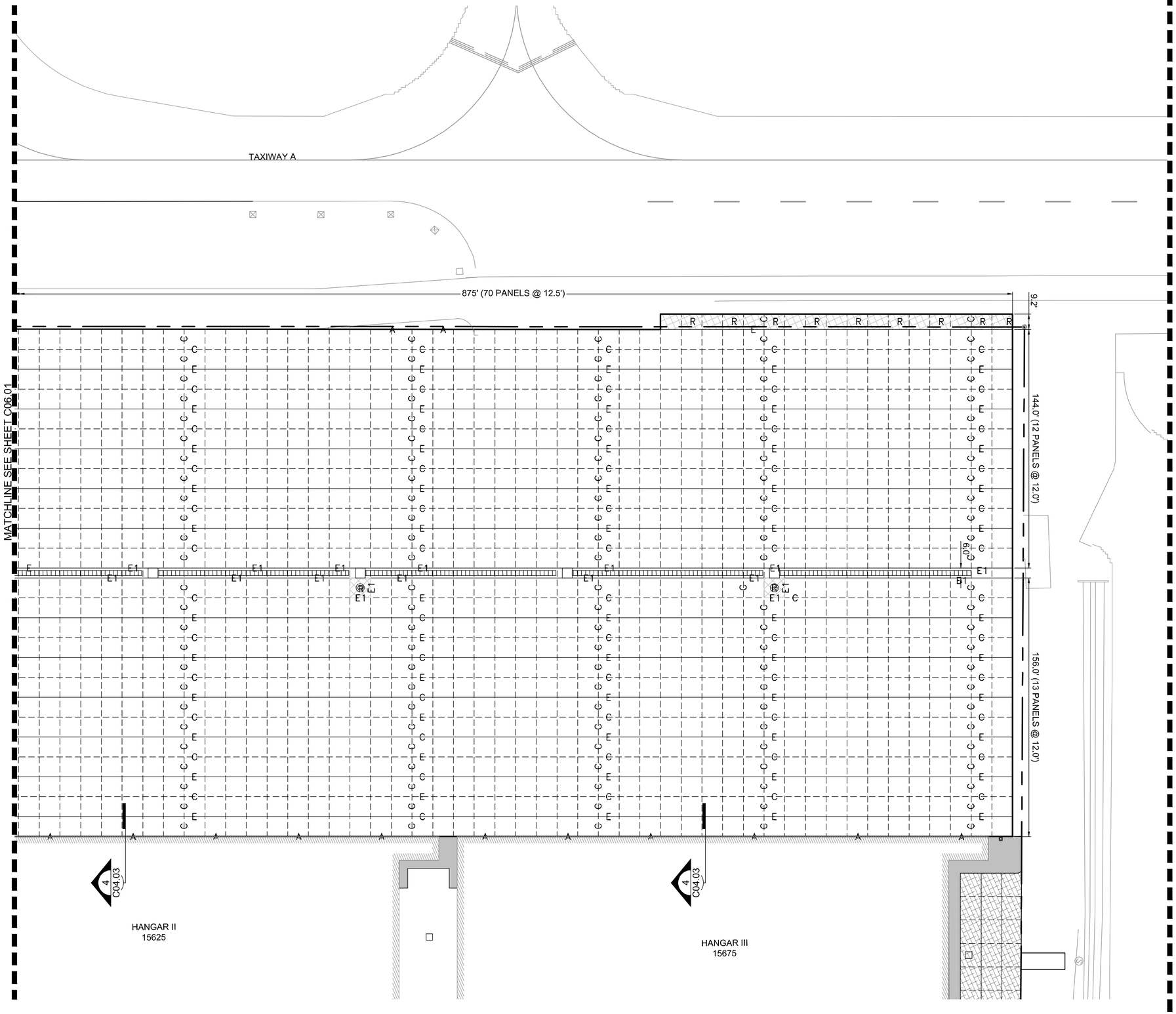
AIRSIDE JOINT LAYOUT PLAN

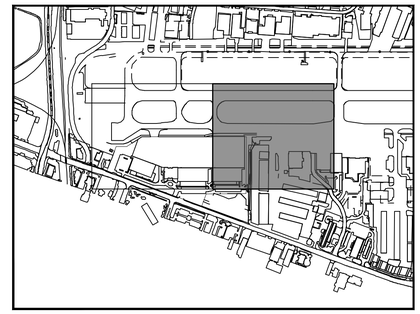
ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
ADDISON DALLAS, TEXAS

SHEET NUMBER
C06.01

twilde@addisontx.gov

Plotted By:Acevedo, Elioth Sheet Set:Kha Layout:C06.02 January 09, 2020 06:19:37am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C06.00 AIRSIDE JOINT LAYOUT PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.





KEY PLAN

NORTH

NOTES:

1. TYPE 'E1' JOINTS SHALL SURROUND ALL STRUCTURES.
2. INSTALL (2) 24 INCH #5 DEFORMED REBAR AT THE CORNERS OF ALL INLETS.

LEGEND

- A — TYPE A THICKENED EDGE ISOLATION JOINT
- E — TYPE E DOWELED CONSTRUCTION JOINT
- C — TYPE C DOWELED CONTRACTION JOINT
- E1 — TYPE E1 EXPANSION JOINT
- R — DOUBLE REINFORCED PANEL

GRAPHIC SCALE IN FEET
0 15 30 60

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-1888 FAX: 281-419-1828
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

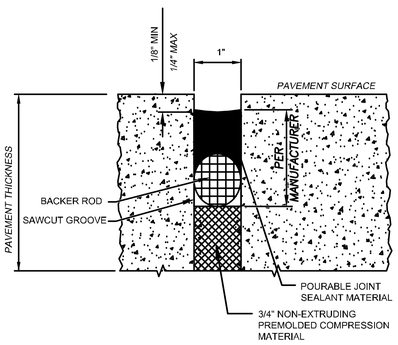
STATE OF TEXAS
JOSEPH J. MALO
80953
LICENSED PROFESSIONAL ENGINEER
01/08/20

KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

AIRSIDE JOINT LAYOUT PLAN

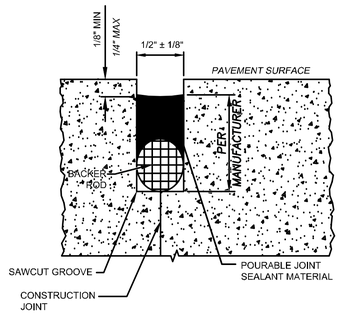
ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C06.02



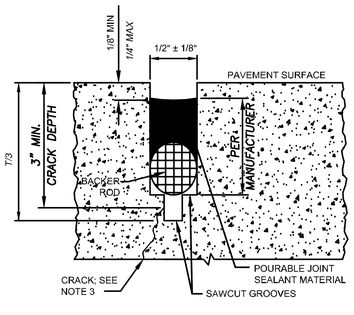
EXPANSION / ISOLATION JOINT TYPE A

NOT TO SCALE



CONSTRUCTION JOINT TYPE E

NOT TO SCALE



CONTRACTION JOINT TYPE C AND TYPE D

NOT TO SCALE

GENERAL NOTES:

1. CONTRACTOR MAY INTERCHANGE CONSTRUCTION JOINTS AND CONTRACTION JOINTS PER OWNER APPROVED SHOP DRAWINGS.
2. IF CONTRACTION CRACK IS LESS THAN 3" FROM TOP OF SURFACE, PANEL WILL BE EVALUATED FOR ACCEPTANCE BY THE OWNER.
3. SEALANT RESERVOIR SHALL BE SIZED TO PROVIDE PROPER SHAPE FACTOR, WIDTH/DEPTH, PER MANUFACTURER'S RECOMMENDATION.
4. BACKER ROD MUST BE COMPATIBLE WITH THE TYPE OF LIQUID SEALANT USED AND SIZED TO PROVIDE THE DESIRED SHAPE FACTOR.

DRILLING AND INSTALLING DOWEL BARS NOTES:

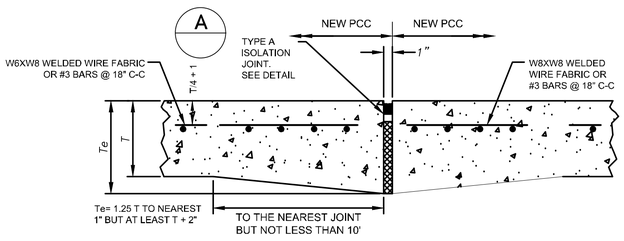
1. DRILLING METHOD SHALL BE CAPABLE OF MAINTAINING DRILL HOLES PARALLEL TO THE CONCRETE SURFACE AND NORMAL TO THE JOINT LINE WITHIN ±1/4" AT THE END OF THE DOWEL BAR. DRILL HOLES SHALL BE ACCURATELY LAID OUT SO THAT THE MAXIMUM DEVIATION DOES NOT EXCEED 1". DRILL HOLES DIAMETER TO BE APPROXIMATELY d+1/2".
2. AFTER DRILLING IS COMPLETE AND PRIOR TO INSTALLATION OF THE DOWELS THE HOLES SHALL BE THOROUGHLY CLEANED TO REMOVE DRILLING DUST CONCRETE CHIPS AND ANY MATERIAL DETRIMENTAL TO DEVELOPING BOLD.
3. EPOXY MORTAR SHALL BE INSERTED INTO THE BACK OF THE DOWEL HOLE BY INJECTION NOZZLE AND SUFFICIENT MORTAR PLACED IN THE HOLE SO THAT A SLIGHT AMOUNT OF MORTAR WILL BE FORCED OUT WHEN THE DOWEL IS INSERTED AND TAPPED TO THE CORRECT POSITION. SMALL WEDGES MAY BE USED TO SUPPORT THE DOWEL IN THE CORRECT ALIGNMENT UNTIL THE MORTAR HARDENS.
4. EPOXY OPERATION TO BE PERFORMED IN A MANNER THAT ALL VOIDS AROUND THE BAR ARE COMPLETELY FILLED WITH EPOXY.

T= 10.5"

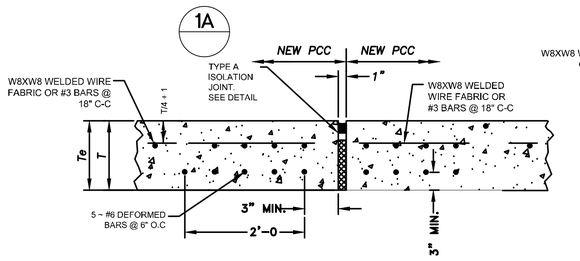
DETAILS OF JOINT SEALS IN PCC PAVEMENT

1

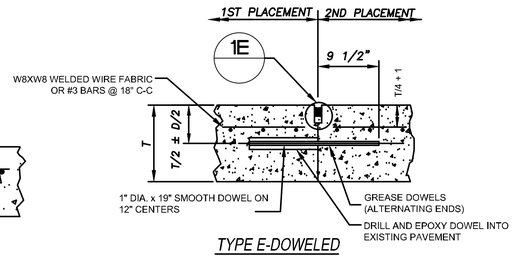
NOT TO SCALE



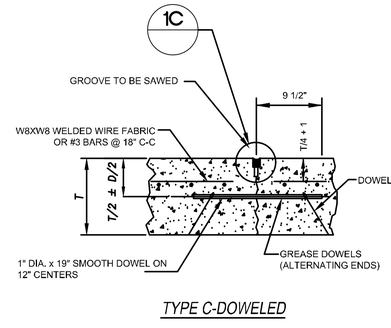
TYPE A THICKENED EDGE ISOLATION JOINT



TYPE A1 REINFORCED EDGE ISOLATION JOINT (ALTERNATIVE TO THICKENED EDGE JOINT)



TYPE E-DOWELED



TYPE C-DOWELED

2 **ISOLATION JOINT**

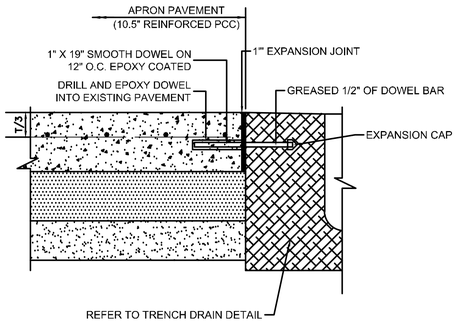
NOT TO SCALE

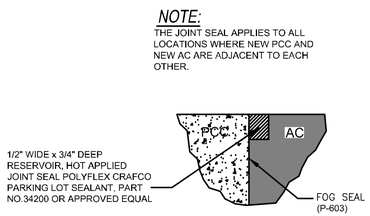
3 **CONSTRUCTION JOINT**

NOT TO SCALE

4 **CONTRACTION JOINT**

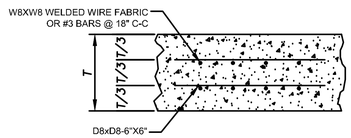
NOT TO SCALE





6 **ASPHALT/PCC JOINT DETAIL**

NOT TO SCALE



7 **DOUBLE REINFORCED CONCRETE**

NOT TO SCALE

8 TYPE E1 EXPANSION JOINT

N.T.S.

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-5827
TBPE FIRM REGISTRATION #
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
LICENSED PROFESSIONAL ENGINEER
01/08/20

KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

AIRSIDE JOINT DETAILS

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C06.03

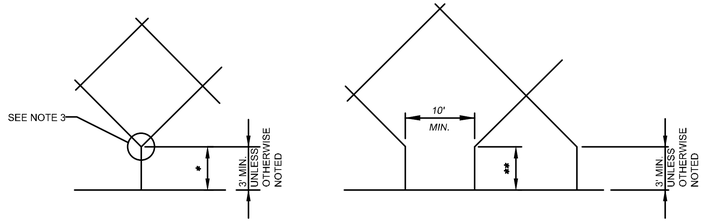
Plotted By:Acevedo, Eliath Sheet Set:Kha Layout:C06.03 January 09, 2020 06:19:47am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\CAD\dwg\Sheets\C06.00 AIRSIDE JOINT DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

NOTES:

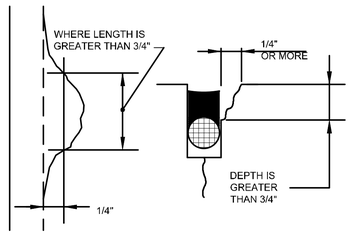
* 1. JOINTS INTERSECTING LESS THAN 10' FROM EDGE OF PAVEMENT SHALL HAVE A PERPENDICULAR JOINT FROM INTERSECTION TO EDGE OF PCC PAVEMENT.

** 2. JOINTS INTERSECTING GREATER THAN 10' SHALL HAVE THE JOINT THAT INTERSECTS WITH THE EDGE OF PAVEMENT TURNED PERPENDICULAR 3' FROM EDGE OF PAVEMENT. MAINTAIN 10 FOOT MINIMUM SLAB WIDTH.

3. DOWELS SHALL BE PERPENDICULAR TO JOINT ALIGNMENT.



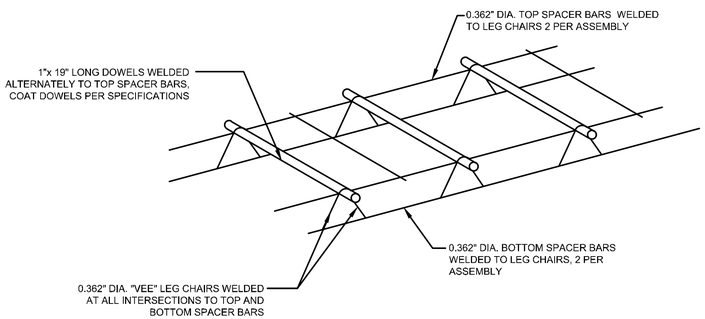
1 **JOINT LAYOUT AT PAVEMENT EDGES**
NOT TO SCALE



NOTES:

1. PANELS WITH MORE THAN 18" OF POTENTIAL SPALL REPAIR WILL BE EVALUATED BY OWNER AND WILL BE SUBJECT TO REMOVAL AND REPLACEMENT AT CONTRACTORS COST.
2. PREFORMED JOINT SEAL SHOWN. SPALL DEFINITION ALSO APPLIES TO POURED JOINT SEALANTS.

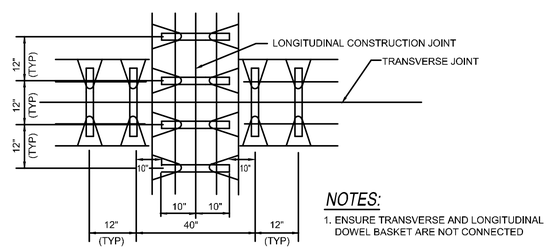
2 **SPALL DEFINITION**
NOT TO SCALE



NOTES:

1. BASKETS SHALL BE FIRMLY ANCHORED TO BASE
2. ALL WIRE SIZES SHOWN ARE MINIMUM SIZES.
3. TIE BARS SHALL BE HELD FIRMLY IN THE WELDED ASSEMBLY AS SHOWN ABOVE.

3 **TYPICAL DOWEL BASKET ASSEMBLY**
NOT TO SCALE



NOTES:

1. ENSURE TRANSVERSE AND LONGITUDINAL DOWEL BASKET ARE NOT CONNECTED

4 **TYPICAL DOWEL POSITIONING DETAIL**
NOT TO SCALE

No.	REVISIONS	DATE	BY
A	ADDENDUM #1	09/10/2019	JM
B	ADDENDUM #5	10/24/2019	JM
C	ADDENDUM #6	12/11/2019	JM
D	ADDENDUM #6	01/08/2020	JM

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-1888
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
LICENSED PROFESSIONAL ENGINEER
01/08/20

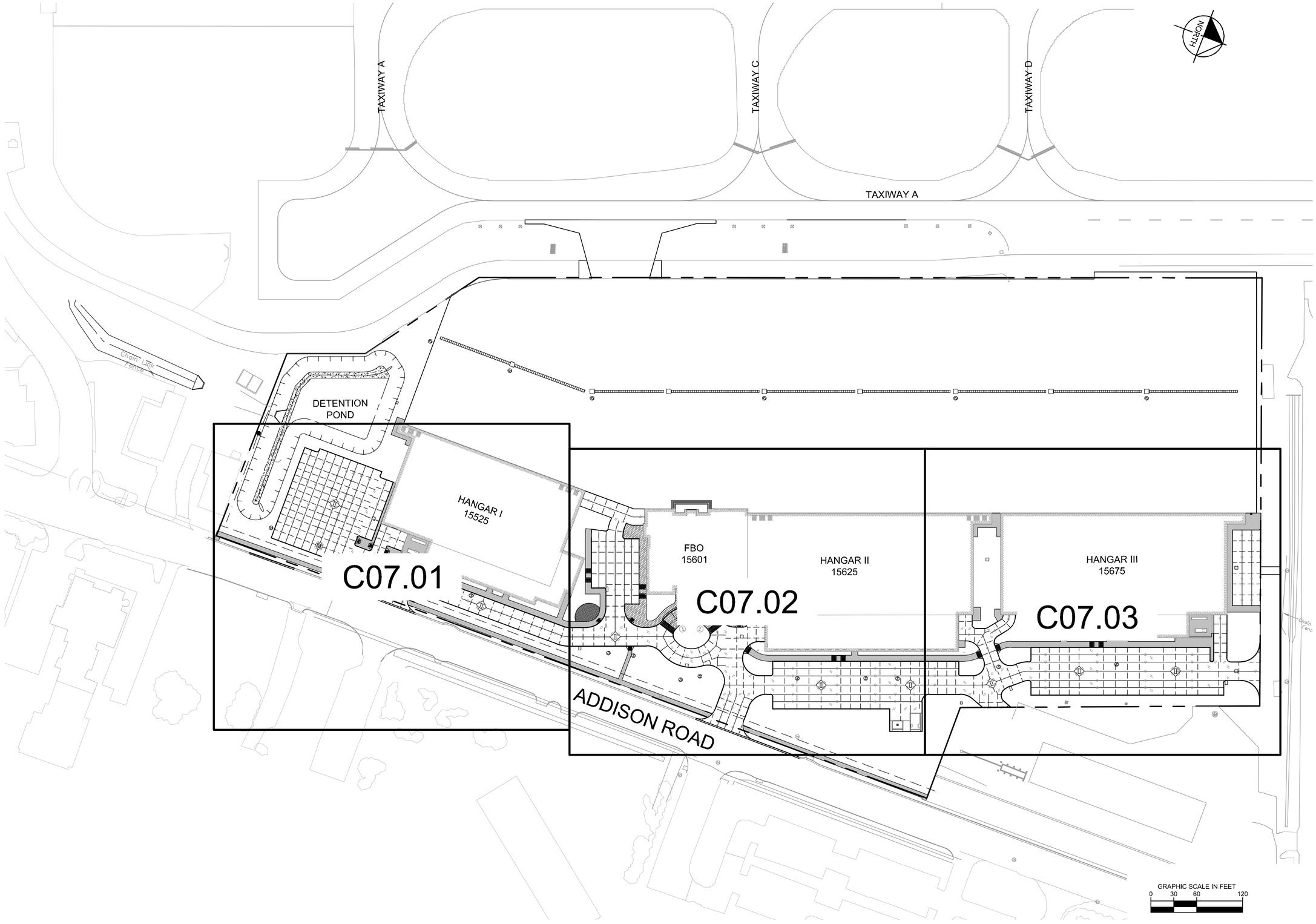
KHA PROJECT 067792503		DESIGNED BY	HCV
DATE	12/11/2019	DRAWN BY	EAC
SCALE	AS SHOWN	CHECKED BY	HCV

AIRSIDE JOINT DETAILS

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C06.04

Plotted By:Acevedo, Eliott Sheet Set:Kha Layout:C06.04 January 09, 2020 06:19:50am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C06.00 AIRSIDE JOINT DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn

© 2019 KIMLEY-HORN AND ASSOCIATES, INC.

1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-1888
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
PROFESSIONAL ENGINEER

01/08/20

KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

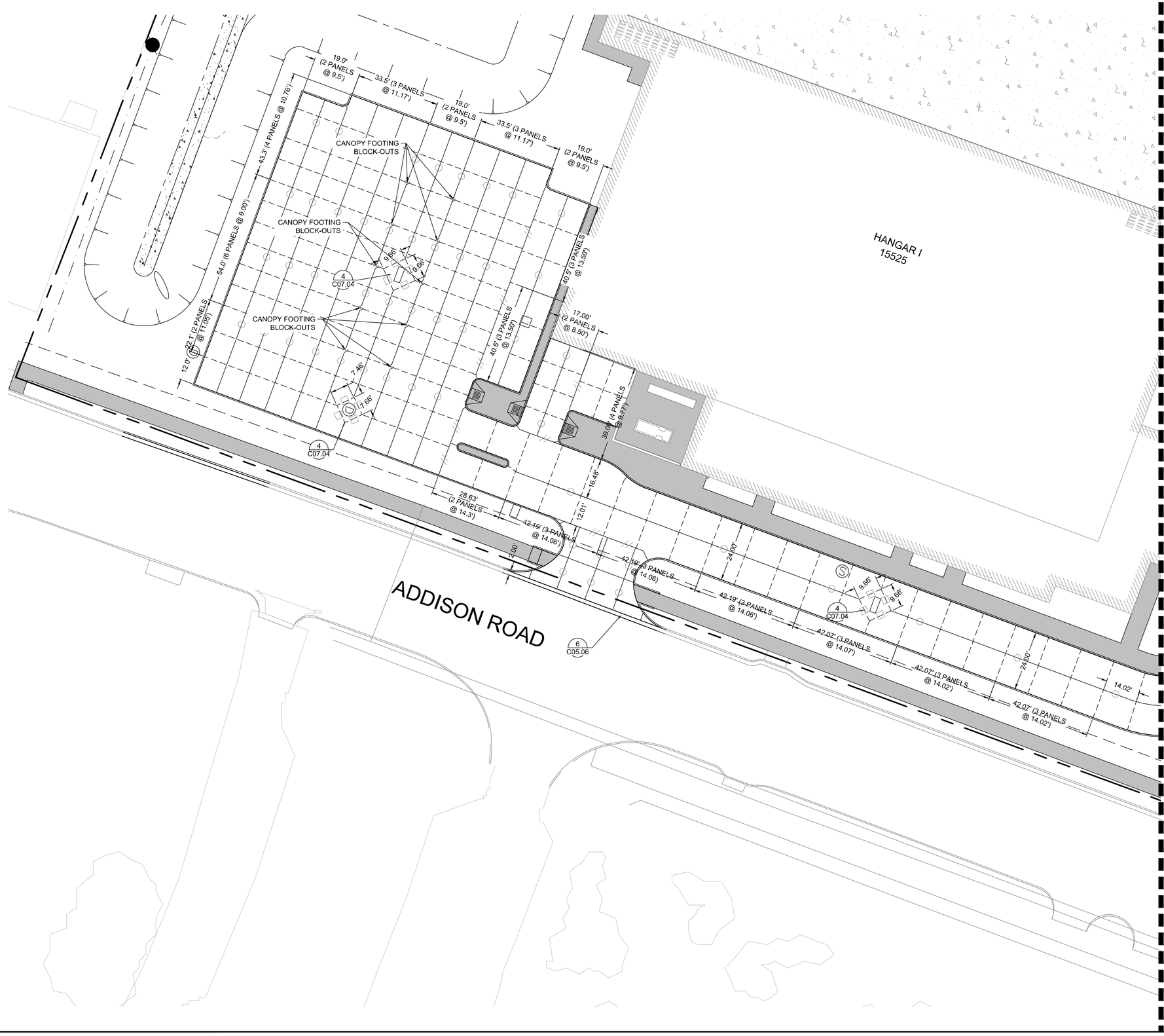
LANDSIDE JOINT LAYOUT PLAN KEY MAP

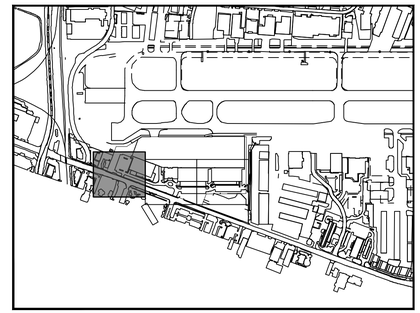
ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
ADDISON, DALLAS, TEXAS

SHEET NUMBER
C07.00

Plotted By:Acevedo, Elioth Sheet Set:Kha Layout:C07.00 January 09, 2020 06:20:09am K:\WDL_Aviation\067792503 - Addison Galaxy FBO\ACAD\dwg\Sheets\C07.00 LANDSIDE JOINT LAYOUT PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By:Acevedo, Elioth Sheet Set:Kha Layout:C07.01 January 09, 2020 06:20:12am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C07.00 LANDSIDE JOINT LAYOUT PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.





KEY PLAN

NOTES:

1. TYPE 'E1' JOINTS SHALL SURROUND ALL INLETS.
2. TYPE 'D' JOINTS SHALL BE INSTALLED FROM THE CORNER OF THE INLET TO THE CORNER/EDGE OF PANEL AS SHOWN ON THE PLANS.
3. INSTALL (2) 24 INCH #5 DEFORMED REBAR AT THE CORNERS OF ALL INLETS.
4. CONTRACTOR TO REFER TO TOWN OF ADDISON DETAILS FOR JOINT LOCATION AND SPACING.

LEGEND

- TRANSVERSE EXPANSION JOINT (NO DOWEL BARS TO BE INSTALLED)
- LONGITUDINAL BUTT JOINT
- TRANSVERSE EXPANSION JOINT AROUND INLET
- SAWED DUMMY JOINT

GRAPHIC SCALE IN FEET
0 10 20 40

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn

© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-4488
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

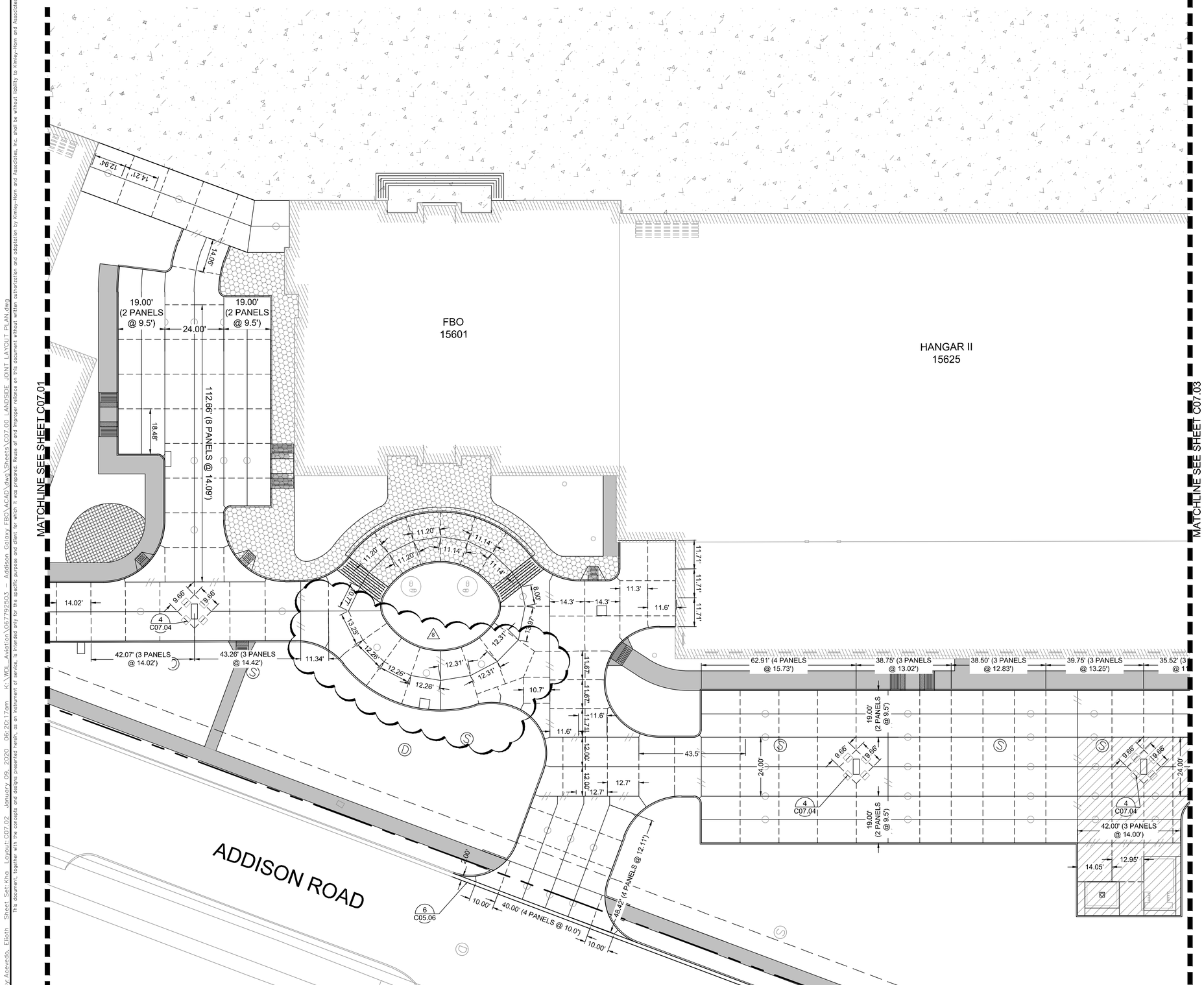
STATE OF TEXAS
JOSEPH J. MALO
80953
PROFESSIONAL ENGINEER
01/08/20

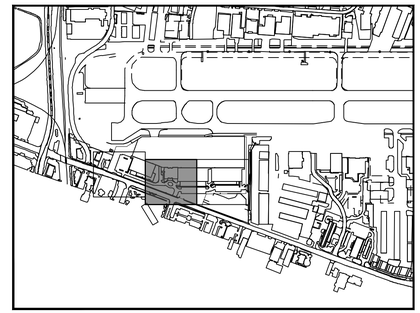
KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

LANDSIDE JOINT LAYOUT PLAN

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C07.01





KEY PLAN

NOTES:

1. TYPE 'E1' JOINTS SHALL SURROUND ALL INLETS.
2. TYPE 'D' JOINTS SHALL BE INSTALLED FROM THE CORNER OF THE INLET TO THE CORNER/EDGE OF PANEL AS SHOWN ON THE PLANS.
3. INSTALL (2) 24 INCH #5 DEFORMED REBAR AT THE CORNERS OF ALL INLETS.
4. CONTRACTOR TO REFER TO TOWN OF ADDISON DETAILS FOR JOINT LOCATION AND SPACING.

LEGEND

- TRANSVERSE EXPANSION JOINT (NO DOWEL BARS TO BE INSTALLED)
- LONGITUDINAL BUTT JOINT
- TRANSVERSE EXPANSION JOINT AROUND INLET
- SAWED DUMMY JOINT

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn

© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-1888 FAX: 281-419-1828
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
PROFESSIONAL ENGINEER
01/08/20

KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

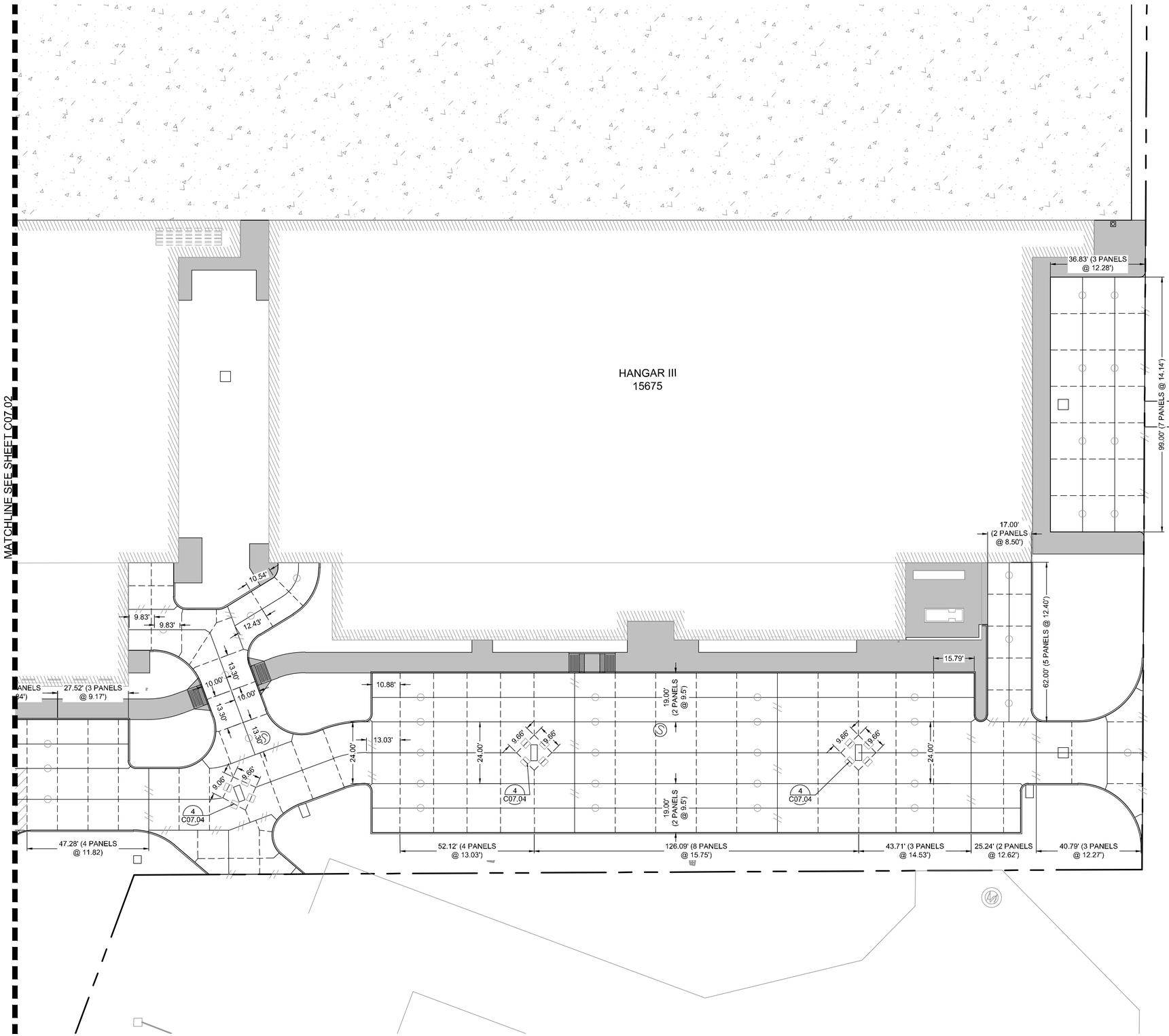
LANDSIDE JOINT LAYOUT PLAN

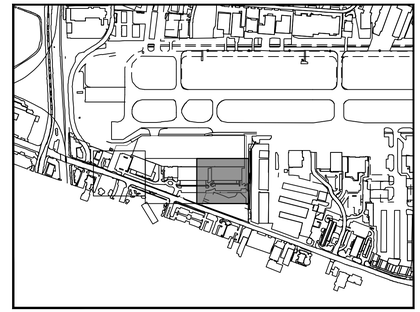
ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C07.02

Plotted By: Acevedo, Elioth Sheet Set: Kha Layout: C07.02 January 09, 2020 06:20:17am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C07.00 LANDSIDE JOINT LAYOUT PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By:Acevedo, Eliott Sheet Set:Kha Layout:C07.03 January 09, 2020 06:20:22am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C07.00 LANDSIDE JOINT LAYOUT PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.





KEY PLAN

NOTES:

1. TYPE 'E1' JOINTS SHALL SURROUND ALL INLETS.
2. TYPE 'D' JOINTS SHALL BE INSTALLED FROM THE CORNER OF THE INLET TO THE CORNER/EDGE OF PANEL AS SHOWN ON THE PLANS.
3. INSTALL (2) 24 INCH #5 DEFORMED REBAR AT THE CORNERS OF ALL INLETS.
4. CONTRACTOR TO REFER TO TOWN OF ADDISON DETAILS FOR JOINT LOCATION AND SPACING.

LEGEND

- TRANSVERSE EXPANSION JOINT (NO DOWEL BARS TO BE INSTALLED)
- LONGITUDINAL BUTT JOINT
- TRANSVERSE EXPANSION JOINT AROUND INLET
- SAWED DUMMY JOINT

GRAPHIC SCALE IN FEET
0 10 20 40

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn

© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-1366
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

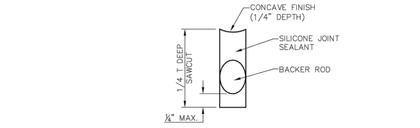
STATE OF TEXAS
JOSEPH J. MALO
80953
PROFESSIONAL ENGINEER
01/08/20

KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

LANDSIDE JOINT LAYOUT PLAN

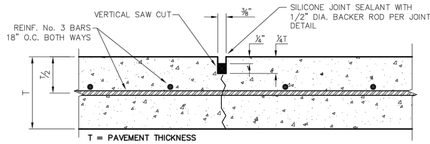
ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C07.03



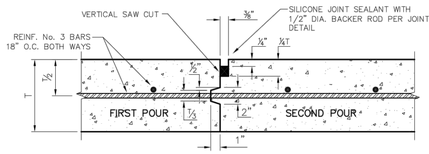
JOINT DETAIL

NTS



SAWED DUMMY JOINTS

NTS



NOTE: CONTRACTOR SHALL PROTECT KEYWAY PRIOR TO SECOND POUR. IF LONGITUDINAL KEYWAY IS DAMAGED, CONTRACTOR SHALL REPAIR WITH THE USE OF LONGITUDINAL BUTT JOINT. DRILL AND GROUT DOWELS INTO FIRST POUR.

CONSTRUCTION JOINTS FOR PAVEMENT

NTS

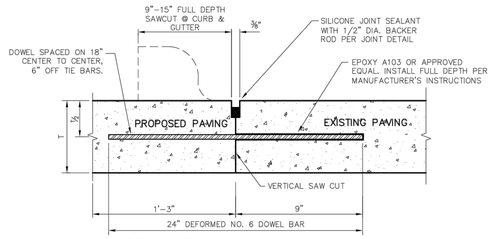
TRANSVERSE AND LONGITUDINAL JOINTS

Addison! PUBLIC WORKS DEPARTMENT	JOINT DETAILS	STANDARD CONSTRUCTION DETAILS PAVING		
		DATE: AUGUST, 2010	REV DATE: –	SHEET : SD-P18

NOTES:

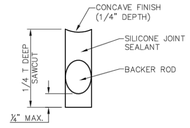
1. LONGITUDINAL AND TRANSVERSE CONSTRUCTION JOINT

1



NOTES:

1. NO. 5 DEFORMED BAR MAY BE USED IN 6 INCH PAVEMENT.
2. LONGITUDINAL BUTT CONSTRUCTION MAY BE UTILIZED IN PLACE OF LONGITUDINAL HINGED (KEYWAY) JOINT AT CONTRACTORS OPTION.
3. DOWEL BARS SHALL BE DRILLED INTO PAVEMENT HORIZONTALLY BY USE OF A MECHANICAL RIG.
4. DRILLING BY HAND IS NOT ACCEPTABLE, PUSHING DOWEL BARS INTO GREEN CONCRETE IS NOT ACCEPTABLE.



JOINT DETAIL

NTS

LONGITUDINAL BUTT JOINT

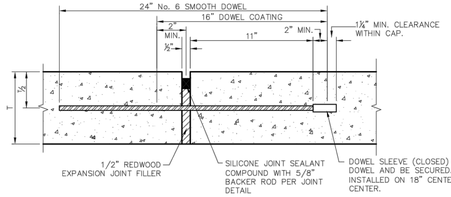
NTS

Addison! PUBLIC WORKS DEPARTMENT	LONGITUDINAL BUTT JOINT	STANDARD CONSTRUCTION DETAILS PAVING		
		DATE: AUGUST, 2010	REV DATE: –	SHEET : SD-P19

NOTES:

1. LONGITUDINAL AND TRANSVERSE JOINT

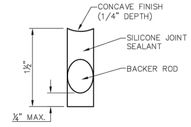
2



T=PAVEMENT THICKNESS

NOTES:

1. DOWELS AND REINFORCING BARS SHALL BE SUPPORTED BY AN APPROVED DEVICE AND MUST BE TIED OR CHAIRED ON EACH SIDE.
2. DOWELS MUST BE PERPENDICULAR TO FACE OF CONCRETE.
3. NO. 5 SMOOTH DOWEL BARS MAY BE USED IN 6" PAVEMENT.
4. TRANSVERSE EXPANSION JOINTS SHALL HAVE A MAXIMUM SPACING OF 600 FT.
5. TRANSVERSE EXPANSION JOINTS SHALL BE LOCATED AT INTERSECTIONS.



JOINT DETAIL

NTS

TRANSVERSE EXPANSION JOINT

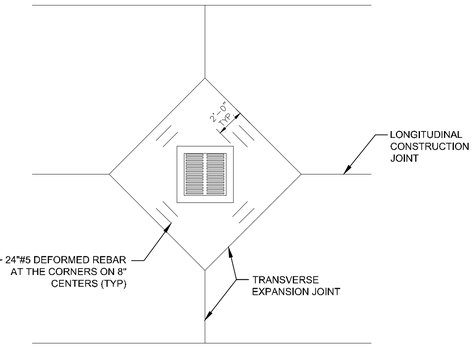
N.T.S.

Addison! PUBLIC WORKS DEPARTMENT	TRANSVERSE EXPANSION JOINT	STANDARD CONSTRUCTION DETAILS PAVING		
		DATE: AUGUST, 2010	REV DATE: –	SHEET : SD-P20

NOTES:

1. ISOLATION JOINT WILL NOT HAVE DOWEL BARS OR REBAR CROSSING JOINT.

3



NOTES:

1. DIAMOND SHALL BE PLACED SEPARATE FROM ROADWAY PAVEMENT.

TYPICAL OBSTRUCTION-DIAMOND

NOT TO SCALE

4

5

6

7

8

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-1888
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
LICENSED PROFESSIONAL ENGINEER
01/08/20

KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

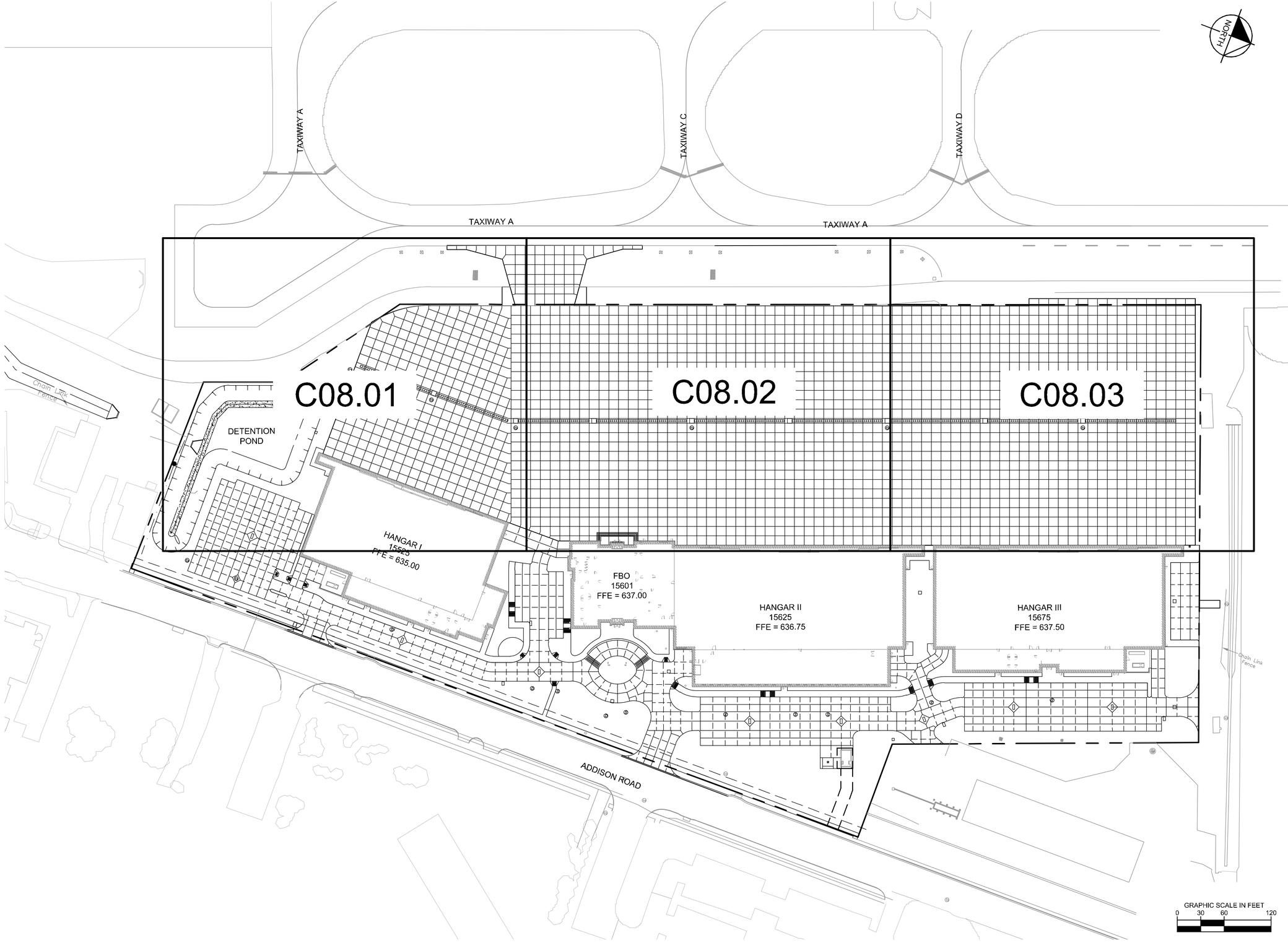
LANDSIDE JOINT DETAILS

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C07.04

Plotted By:Acevedo, Elioth Sheet Set:Kha Layout:C07.04 January 09, 2020 06:20:32am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C07.00 LANDSIDE JOINT DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By: Acevedo, Eliath Sheet Set: Kha Layout: C08.00 January 09, 2020 06:20:53am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C08.00 ARISIDE PVMT ELEVATION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-1888 FAX: 281-419-1828
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
PROFESSIONAL ENGINEER
01/08/20

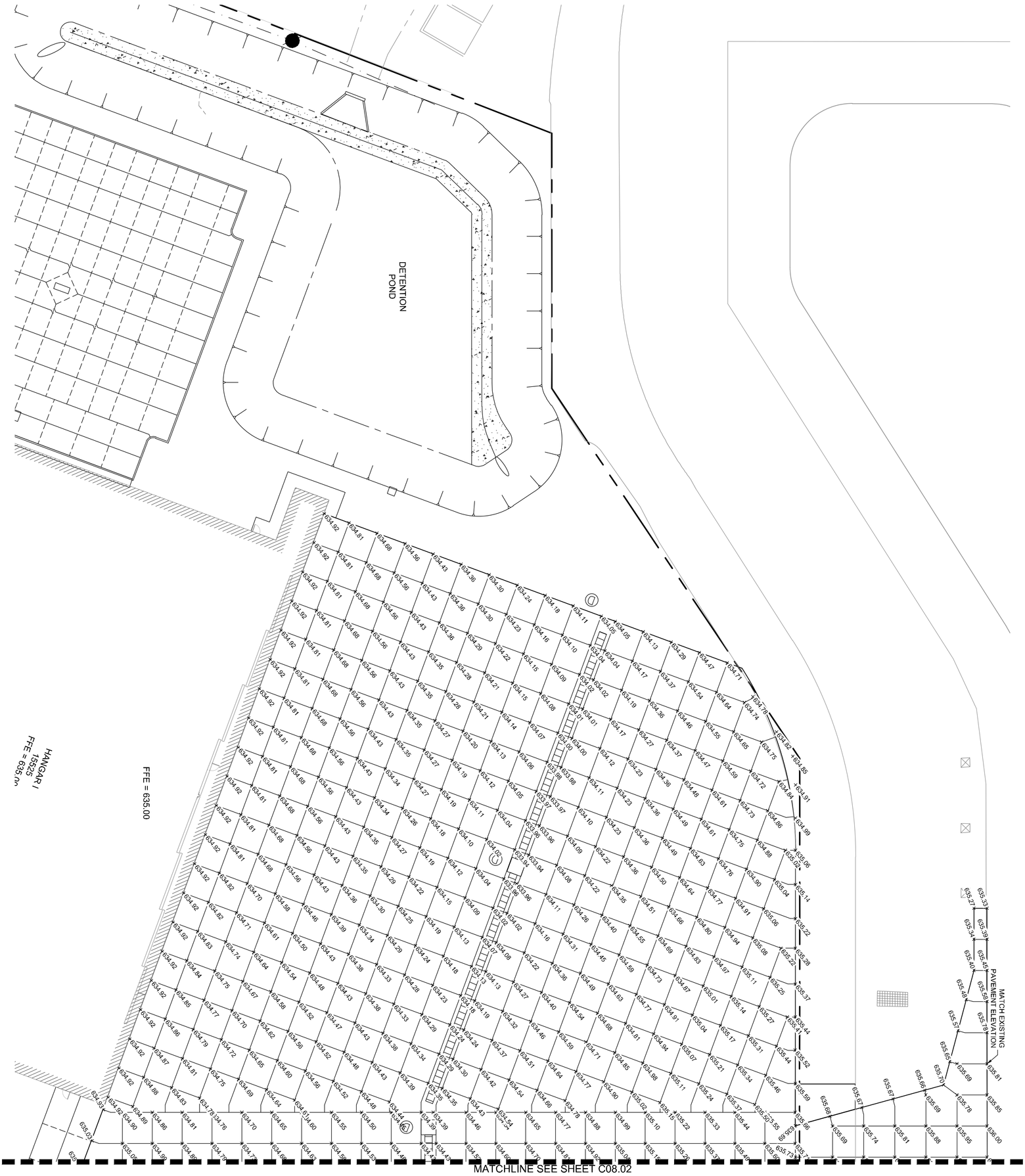
KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

AIRSIDE PAVEMENT ELEVATION PLAN KEY MAP

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C08.00

Plotted By:Acevedo, Elioth Sheet Set:Kha Layout:C08.01 January 09, 2020 06:20:59am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C08.00 ARISIDE PVMT ELEVATION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



MATCHLINE SEE SHEET C08.02

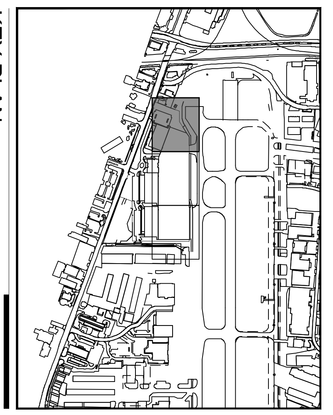
LEGEND

- 633.22 — TOP OF PAVEMENT ELEVATION
- CL 633.22 — CENTER LINE ELEVATION
- FC 633.22 — FACE OF CURB ELEVATION
- STORM SEWER INLETS

GRAPHIC SCALE IN FEET
0 10 20 40

NORTH

KEY PLAN



SHEET NUMBER C08.01

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
ADDISON DALLAS, TEXAS

AIRSIDE PAVEMENT ELEVATION PLAN

KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

12/10/20

Kimley»Horn

© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-475-2816
TBPE FIRM REGISTRATION F-928
WWW.KIMLEY-HORN.COM

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

KEY PLAN

LEGEND

- 233.22 — TOP OF PAVEMENT ELEVATION
- CL 233.22 — CENTER LINE ELEVATION
- FC 233.22 — FACE OF CURB ELEVATION
- STORM SEWER INLETS

GRAPHIC SCALE IN FEET
0 10 20 40

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-1888 FAX: 281-419-1928
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
PROFESSIONAL ENGINEER
01/08/20

KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

AIRSIDE PAVEMENT ELEVATION PLAN

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C08.02

Plotted By:Acevedo, Eliath Sheet Set:Kha Layout:C08.02 January 09, 2020 06:21:08am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C08.00 ARISIDE PVMT ELEVATION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adoptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By:Acevedo, Eiloth Sheet Set:Kha Layout:C08.03 January 09, 2020 06:21:16am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C08.00 ARISIDE PVMT ELEVATION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adoption by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

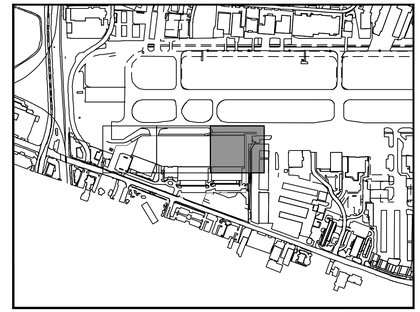
MATCH EXISTING PAVEMENT ELEVATION

MATCH EXISTING PAVEMENT ELEVATION

MATCH LINE SEE SHEET C08.02

FFE = 636.75

FFE = 637.50



KEY PLAN

NORTH

LEGEND

- 233.22 — TOP OF PAVEMENT ELEVATION
- CL 233.22 — CENTER LINE ELEVATION
- FC 233.22 — FACE OF CURB ELEVATION
- STORM SEWER INLETS

GRAPHIC SCALE IN FEET
0 10 20 40

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-4488 FAX: 281-419-4489
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

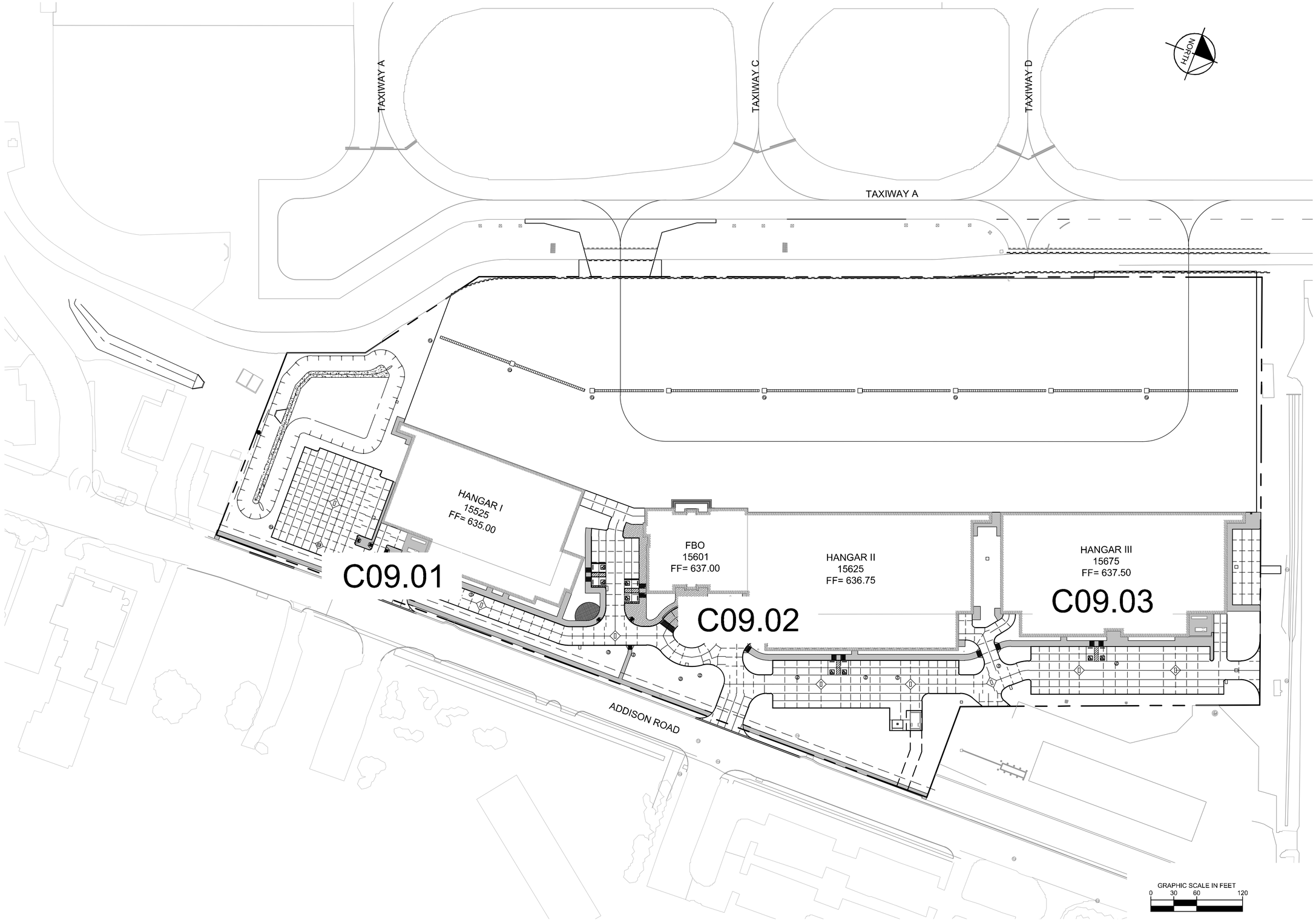
STATE OF TEXAS
JOSEPH J. MALO
80953
PROFESSIONAL ENGINEER
01/08/20

KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

AIRSIDE PAVEMENT ELEVATION PLAN

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
ADDISON DALLAS, TEXAS

SHEET NUMBER
C08.03



No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn

© 2019 KIMLEY-HORN AND ASSOCIATES, INC.

1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-1888
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
PROFESSIONAL ENGINEER

01/08/20

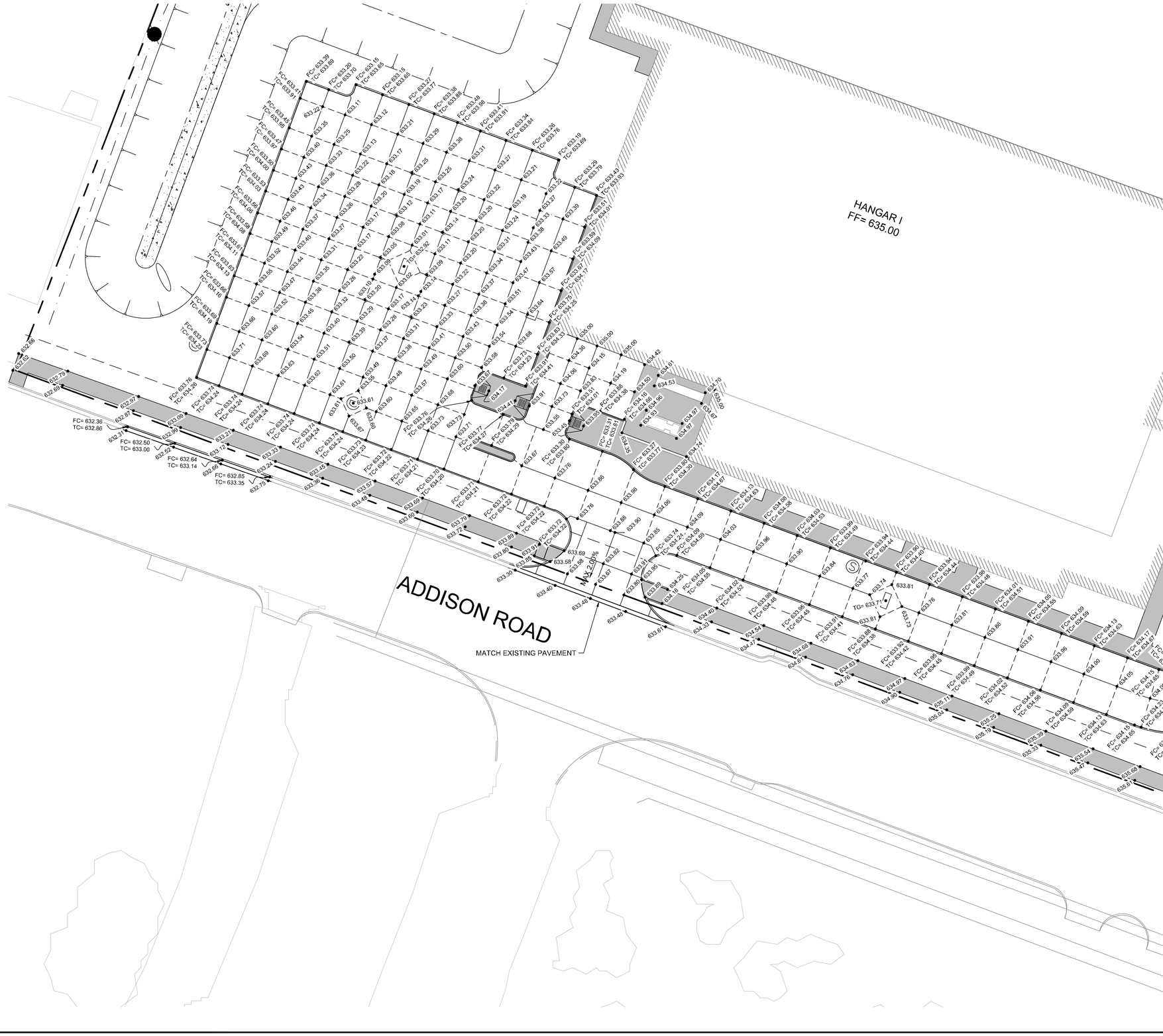
KHA PROJECT	067792503
DATE	12/11/2019
SCALE	AS SHOWN
DESIGNED BY	HCV
DRAWN BY	EAC
CHECKED BY	HCV

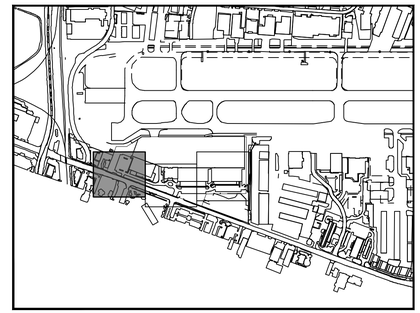
LANDSIDE PAVEMENT ELEVATION PLAN KEY MAP

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
ADDISON, DALLAS, TEXAS

SHEET NUMBER
C09.00

Plotted By:Acevedo, Elioth Sheet Set:Kha Layout:C09.00 January 09, 2020 06:21:40pm K:\WDL_Aviation\067792503 - Addison Galaxy FBO\ACAD\dwg\Sheets\C09.00 LANDSIDE PVMT ELEVATION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adoption by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.





KEY PLAN

NORTH

NOTES

1. ALL SIDEWALKS AND ACCESSIBLE ROUTES, INCLUDING DRIVEWAY CROSSWALKS, SHALL CONFORM TO ALL APPLICABLE AMERICANS WITH DISABILITIES ACT STANDARDS AND THE TEXAS ACCESSIBILITY STANDARDS. IF ANY DISCREPANCY IS DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO POURING ANY PAVEMENT.
2. ALL SIDEWALKS AND ACCESSIBLE ROUTES SHALL NOT EXCEED A RUNNING SLOPE OF 5% (1:20) WITHOUT A RAMP, AND SHALL NOT EXCEED A 2% CROSS SLOPE (1:50).
3. THE ACCESSIBLE PARKING AND PASSENGER LOADING AREAS SHALL NOT EXCEED A SLOPE OF 2% (1:50) IN ANY DIRECTION.

LEGEND

- 233.22 — TOP OF PAVEMENT ELEVATION
- TG= 231.72 — TOP OF GRATE ELEVATION
- FC= 233.22 TC= 233.72 — FC FACE OF CURB ELEVATION, TC TOP OF CURB ELEVATION
- STORM SEWER INLETS

GRAPHIC SCALE IN FEET
0 10 20 40

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-4888
TBPE FIRM REGISTRATION #
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
LICENSED PROFESSIONAL ENGINEER
01/08/20

KHA PROJECT	067792503
DATE	12/11/2019
SCALE	AS SHOWN
DESIGNED BY	HCV
DRAWN BY	EAC
CHECKED BY	HCV

LANDSIDE PAVEMENT ELEVATION PLAN

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C09.01

Plotted By:Acevedo, Elioth Sheet Set:Kha Layout:C09.01 January 09, 2020 06:21:47am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C09.00 LANDSIDE PVMT ELEVATION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By:Acevedo, Eliath Sheet Set:Kha Layout:C09.02 January 09, 2020 06:21:55am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C09.00 LANDSIDE PVMT ELEVATION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

MATCHLINE SEE SHEET C09.01

MATCHLINE SEE SHEET C09.03

FBO
FF= 637.00

HANGAR II
FF= 636.75

ADDISON ROAD

MATCH EXISTING PAVEMENT

FC= 634.29
TC= 634.79

FC= 634.66
TC= 635.16

FC= 634.80
TC= 635.30

FC= 634.94
TC= 635.44

FC= 634.98
TC= 635.48

FC= 634.89
TC= 635.39

FC= 634.97
TC= 635.47

FC= 636.50
TC= 637.00

FC= 636.20
TC= 636.70

FC= 635.61
TC= 636.11

FC= 636.20
TC= 636.70

FC= 636.28
TC= 636.78

FC= 636.35
TC= 636.85

FC= 635.33
TC= 635.83

MAX 10%

NOTES

1. ALL SIDEWALKS AND ACCESSIBLE ROUTES, INCLUDING DRIVEWAY CROSSWALKS, SHALL CONFORM TO ALL APPLICABLE AMERICANS WITH DISABILITIES ACT STANDARDS AND THE TEXAS ACCESSIBILITY STANDARDS. IF ANY DISCREPANCY IS DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO POURING ANY PAVEMENT.
2. ALL SIDEWALKS AND ACCESSIBLE ROUTES SHALL NOT EXCEED A RUNNING SLOPE OF 5% (1:20) WITHOUT A RAMP, AND SHALL NOT EXCEED A 2% CROSS SLOPE (1:50).
3. THE ACCESSIBLE PARKING AND PASSENGER LOADING AREAS SHALL NOT EXCEED A SLOPE OF 2% (1:50) IN ANY DIRECTION.

LEGEND

- 233.22 — TOP OF PAVEMENT ELEVATION
- TG= 233.22 — TOP OF GRADE ELEVATION
- FC= 233.22 / TC= 233.72 — FC FACE OF CURB ELEVATION, TC TOP OF CURB ELEVATION
- STORM SEWER INLETS

GRAPHIC SCALE IN FEET
0 10 20 40

KEY PLAN

NORTH

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn

© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 832-823-2200
TBPE FIRM REGISTRATION #
WWW.KIMLEY-HORN.COM

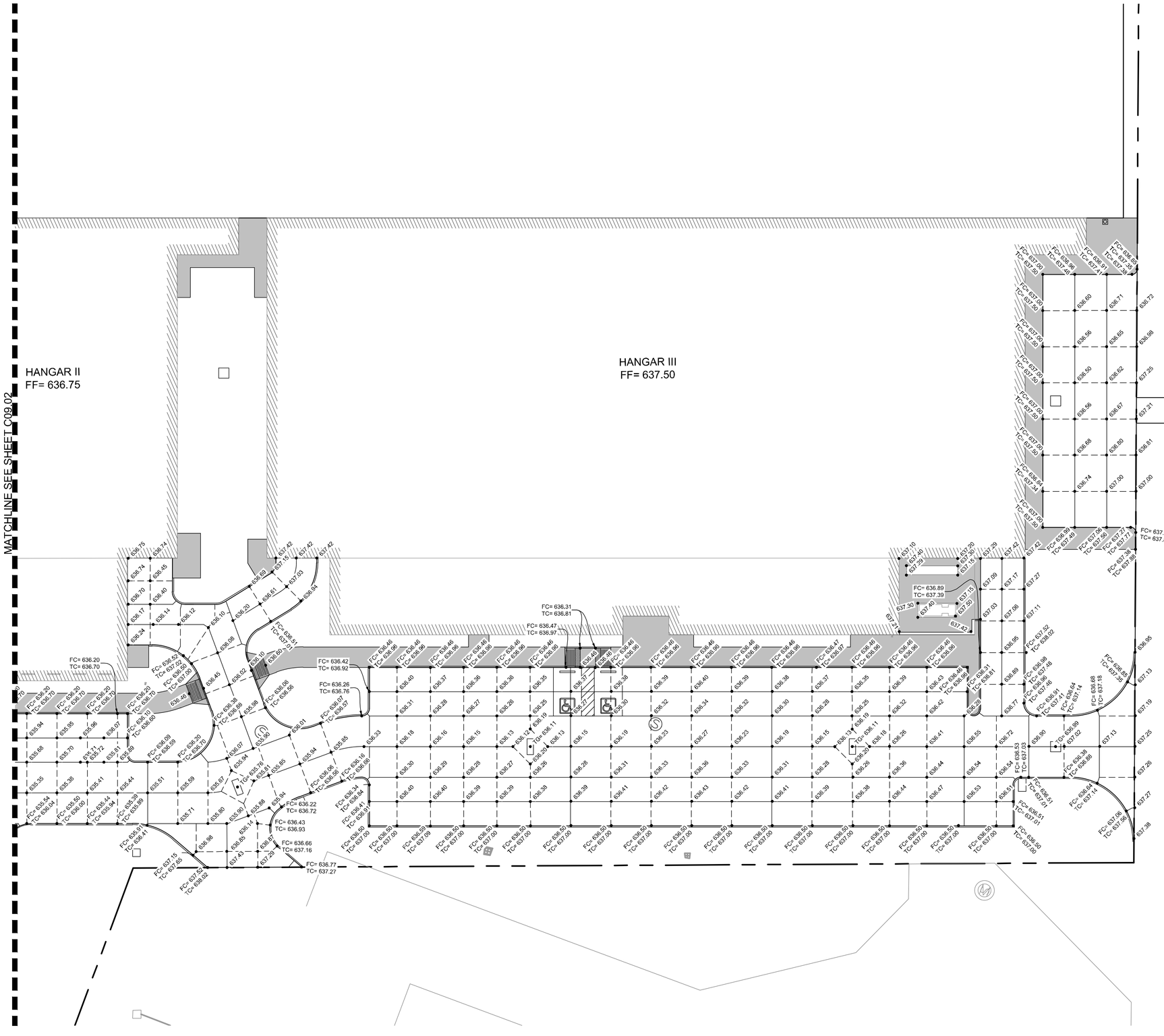
STATE OF TEXAS
JOSEPH J. MALO
80953
LICENSED PROFESSIONAL ENGINEER
01/08/20

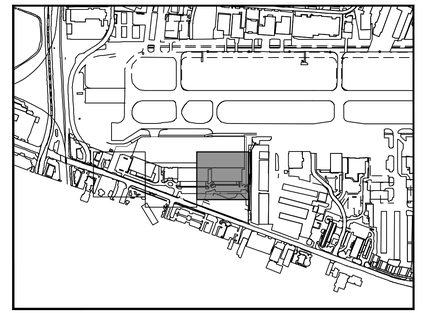
KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

LANDSIDE PAVEMENT ELEVATION PLAN

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C09.02





KEY PLAN

NORTH

NOTES

1. ALL SIDEWALKS AND ACCESSIBLE ROUTES, INCLUDING DRIVEWAY CROSSWALKS, SHALL CONFORM TO ALL APPLICABLE AMERICANS WITH DISABILITIES ACT STANDARDS AND THE TEXAS ACCESSIBILITY STANDARDS. IF ANY DISCREPANCY IS DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO POURING ANY PAVEMENT.
2. ALL SIDEWALKS AND ACCESSIBLE ROUTES SHALL NOT EXCEED A RUNNING SLOPE OF 5% (1:20) WITHOUT A RAMP, AND SHALL NOT EXCEED A 2% CROSS SLOPE (1:50).
3. THE ACCESSIBLE PARKING AND PASSENGER LOADING AREAS SHALL NOT EXCEED A SLOPE OF 2% (1:50) IN ANY DIRECTION.

LEGEND

- FF= 253.22 — TOP OF PAVEMENT ELEVATION
- TG= 253.22 — TOP OF GRADE ELEVATION
- FC= 253.22 / TC= 253.72 — FC FACE OF CURB ELEVATION, TC TOP OF CURB ELEVATION
- STORM SEWER INLETS

GRAPHIC SCALE IN FEET
0 10 20 40

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn

© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: (281) 419-1888
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
PROFESSIONAL ENGINEER

01/08/20

KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

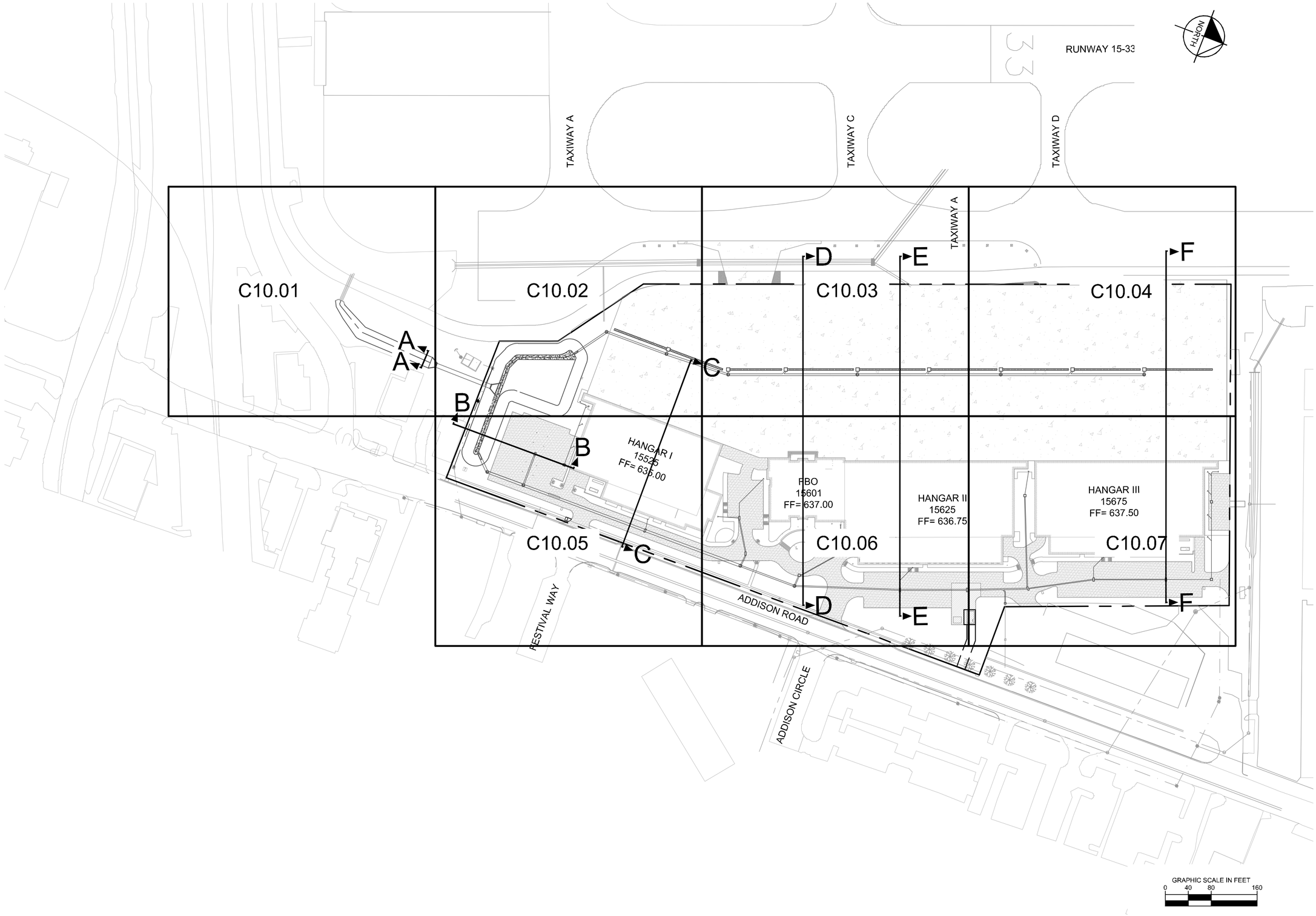
LANDSIDE PAVEMENT ELEVATION PLAN

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C09.03

Plotted By:Acevedo, Eliath Sheet Set:Kha Layout:C09.03 January 09, 2020 06:22:02pm K:\WDL_Aviation\067792503 - Addison Galaxy FBO\ACAD\dwg\Sheets\C09.00 LANDSIDE PVMT ELEVATION PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By:Acevedo, Elioth Sheet Set:Kha Layout:C10.00 January 09, 2020 06:22:27pm K:\WDL_Aviation\067792503 - Addison Galaxy FBO\ACAD\dwg\Sheets\C10.00 GRADING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-1400
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

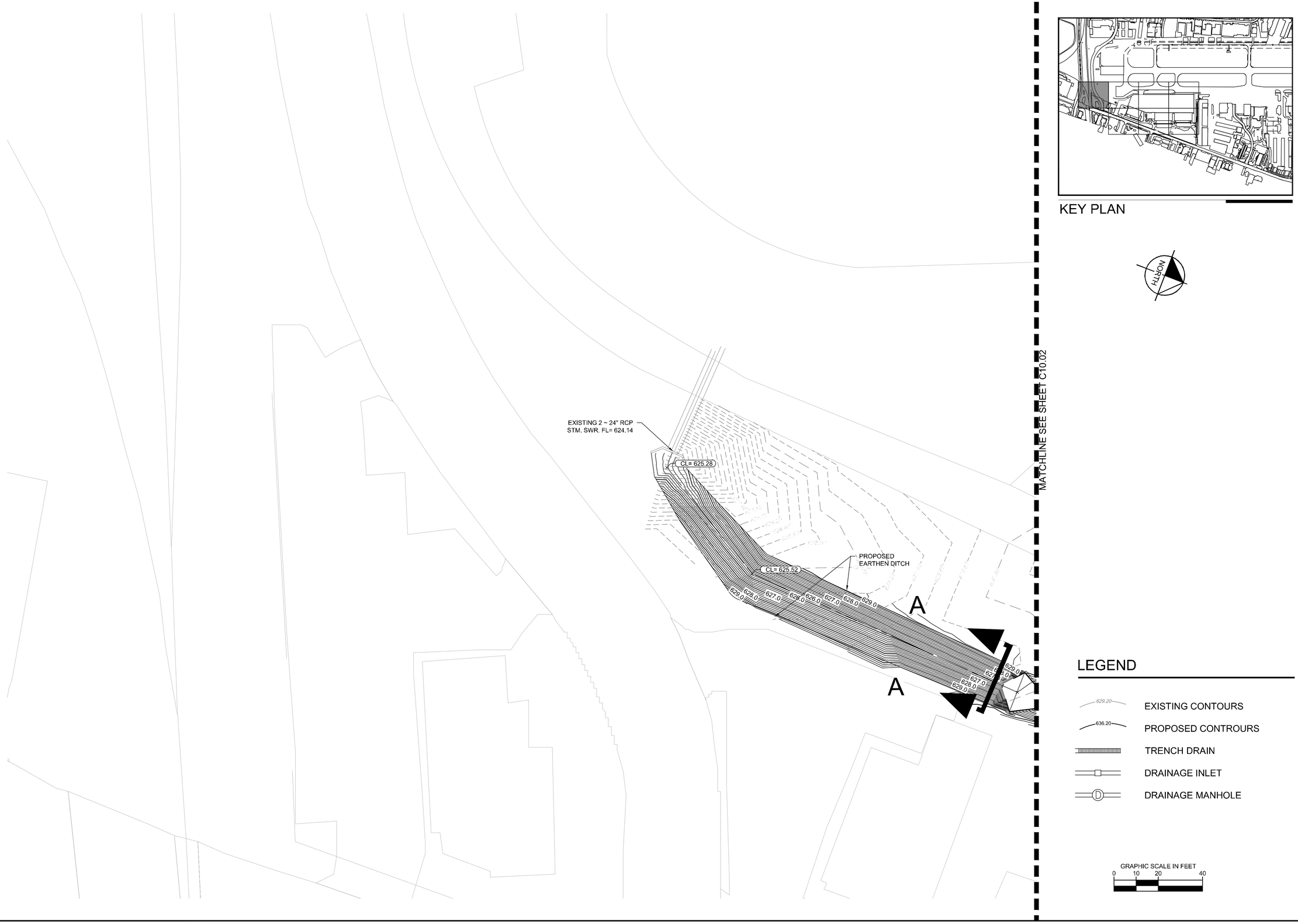
STATE OF TEXAS
JOSEPH J. MALO
80953
LICENSED PROFESSIONAL ENGINEER
01/08/20

KHA PROJECT 067792503			
DATE 12/11/2019	SCALE AS SHOWN	DESIGNED BY HCV	DRAWN BY EC EAC
		CHECKED BY HCV	

GRADING PLAN KEY MAP

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C10.00



KEY PLAN

LEGEND

- 629.20 — EXISTING CONTOURS
- 636.20 — PROPOSED CONTROURS
- TRENCH DRAIN
- DRAINAGE INLET
- DRAINAGE MANHOLE

GRAPHIC SCALE IN FEET
0 10 20 40

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 936-387-4740 FAX: 936-387-4755
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
PROFESSIONAL ENGINEER
01/08/20

KHA PROJECT	067792503
DATE	12/11/2019
SCALE	AS SHOWN
DESIGNED BY	HCV
DRAWN BY	EC EAC
CHECKED BY	HCV

GRADING PLAN

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C10.01

Plotted By:Acevedo, Elioth Sheet Set:Kha Layout:C10.01 January 09, 2020 06:22:34am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C10.00 GRADING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By:Acevedo, Elioth Sheet Set:Kha Layout:C10.02 January 09, 2020 06:22:42am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C10.00 GRADING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

MATCHLINE SEE SHEET C10.01

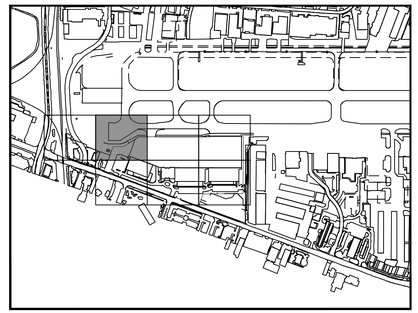
TAXIWAY A

MATCHLINE SEE SHEET C10.03

MATCHLINE SEE SHEET C10.05

DETENTION POND

CL= 626.24



KEY PLAN

NORTH

LEGEND

- EXISTING CONTOURS (629.20)
- PROPOSED CONTROURS (636.20)
- TRENCH DRAIN
- DRAINAGE INLET
- DRAINAGE MANHOLE

GRAPHIC SCALE IN FEET
0 10 20 40

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 936-387-3856
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
PROFESSIONAL ENGINEER
01/08/20

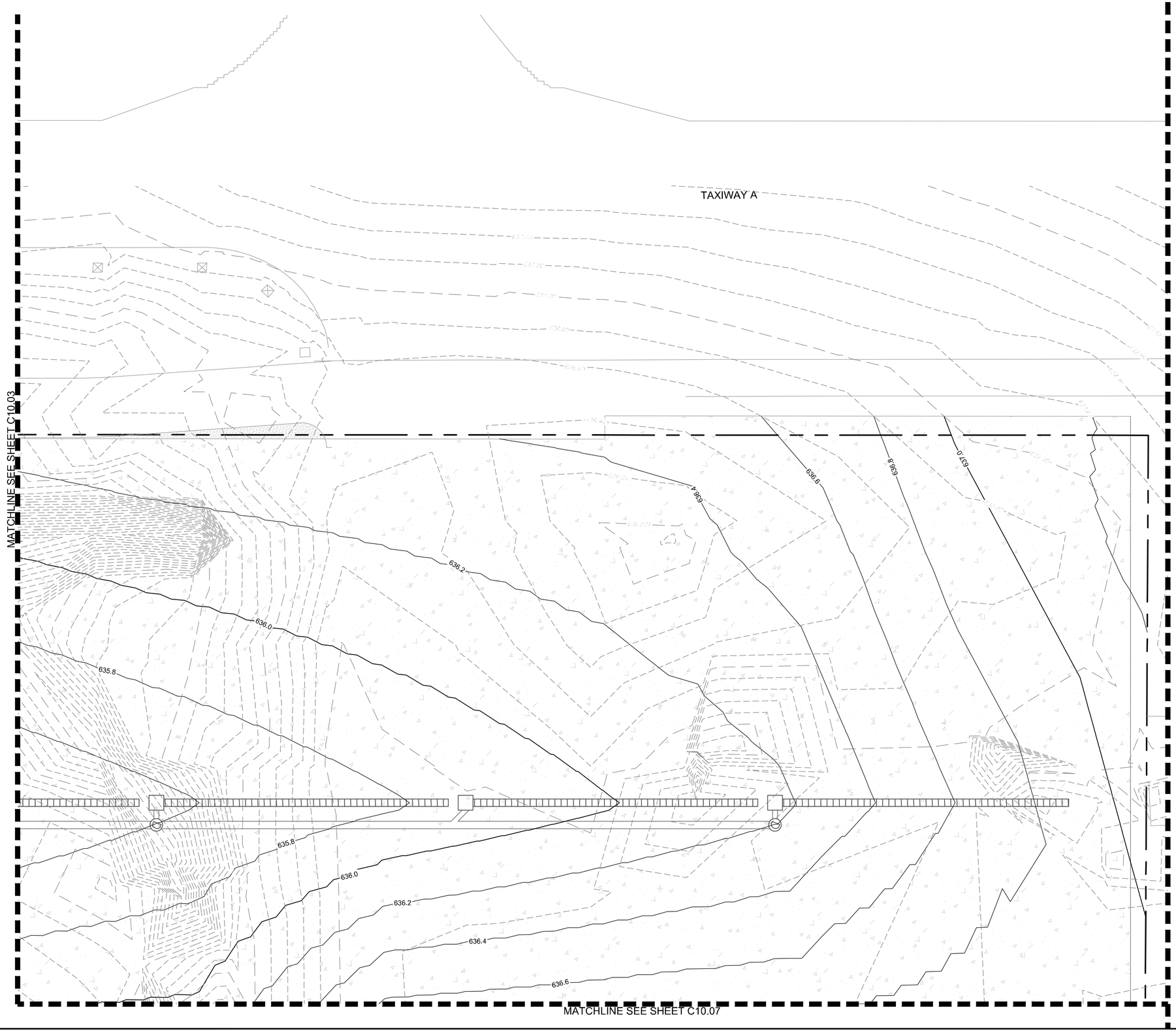
KHA PROJECT	067792503
DATE	12/11/2019
SCALE	AS SHOWN
DESIGNED BY	HCV
DRAWN BY	EC EAC
CHECKED BY	HCV

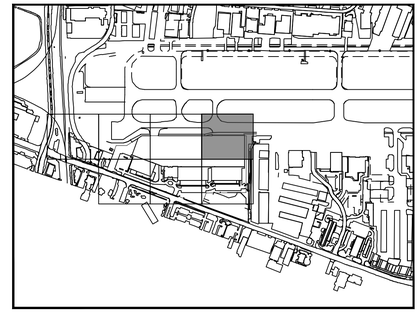
GRADING PLAN

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
ADDISON DALLAS, TEXAS

SHEET NUMBER
C10.02

Plotted By:Acevedo, Elioth Sheet Set:Kha Layout:C10.04 January 09, 2020 06:22:57am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C10.00 GRADING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.





KEY PLAN

NORTH

LEGEND

- EXISTING CONTOURS (629.20)
- PROPOSED CONTROURS (636.20)
- TRENCH DRAIN
- DRAINAGE INLET
- DRAINAGE MANHOLE

GRAPHIC SCALE IN FEET
0 10 20 40

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 936-387-4740
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
PROFESSIONAL ENGINEER
01/08/20

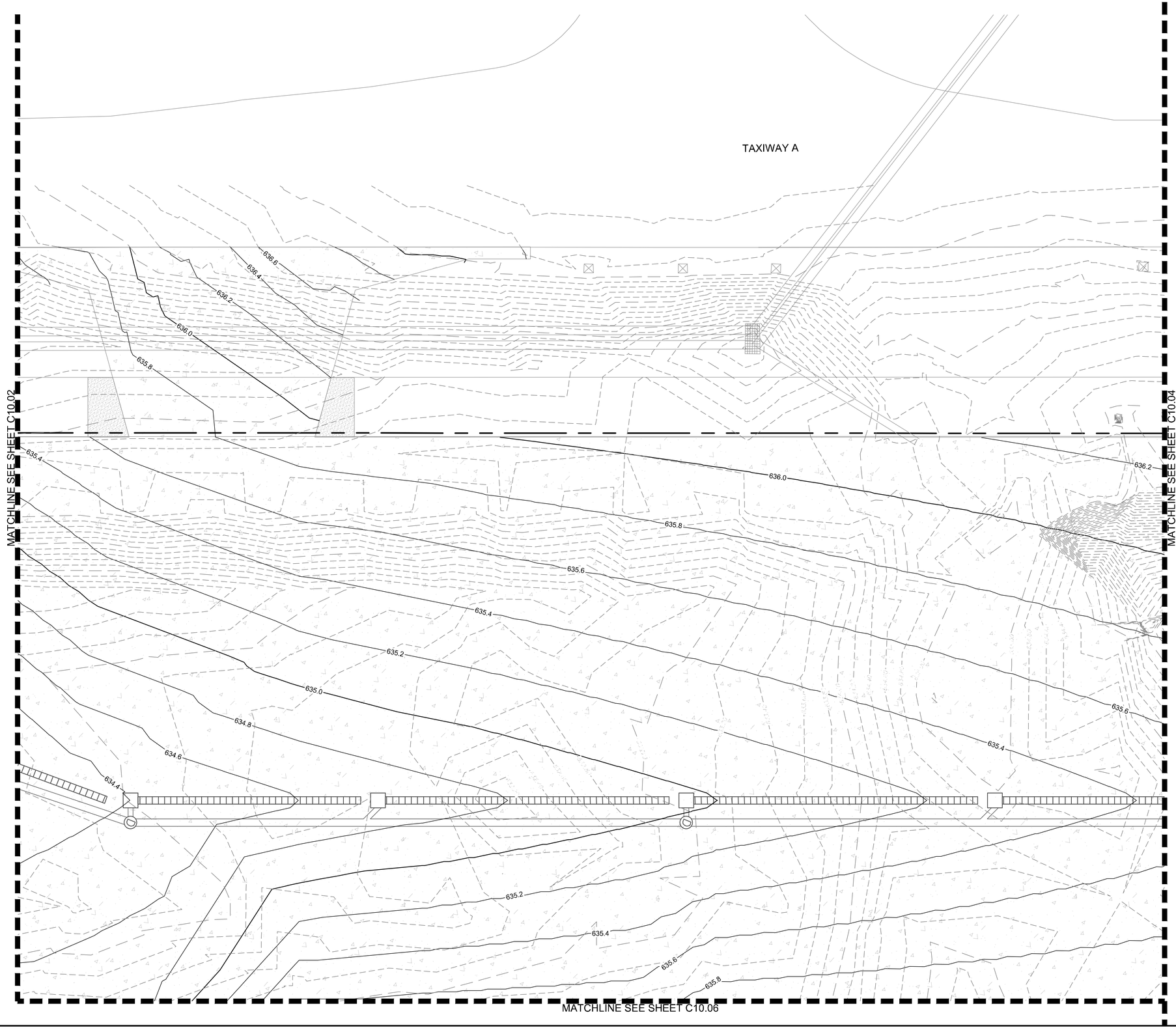
KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

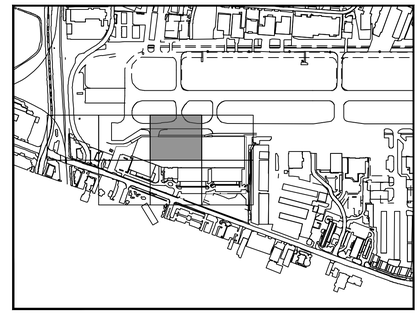
GRADING PLAN

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
ADDISON, DALLAS, TEXAS

SHEET NUMBER
C10.04

Plotted By:Acevedo, Eliath Sheet Set:Kha Layout:C10.03 January 09, 2020 06:22:49pm K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C10.00 GRADING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.





KEY PLAN

NORTH

LEGEND

- EXISTING CONTOURS (629.20)
- PROPOSED CONTROURS (636.20)
- TRENCH DRAIN
- DRAINAGE INLET
- DRAINAGE MANHOLE

GRAPHIC SCALE IN FEET
0 10 20 40

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-4488 FAX: 281-419-4928
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
LICENSED PROFESSIONAL ENGINEER
01/08/20

KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

GRADING PLAN

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C10.03

MATCHLINE SEE SHEET C10.02

MATCHLINE SEE SHEET C10.06

HANGAR I
FFE = 635.00

ADDISON ROAD

FESTIVAL WAY

KEY PLAN

LEGEND

- 629.20 — EXISTING CONTOURS
- 636.20 — PROPOSED CONTROURS
- TRENCH DRAIN
- DRAINAGE INLET
- DRAINAGE MANHOLE

GRAPHIC SCALE IN FEET
0 10 20 40

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
4	ADDENDUM #6	12/11/2019	JM
6	ADDENDUM #6	01/08/2020	JM

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-4700 FAX: 281-419-4928
TBPE FIRM REGISTRATION #
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
LICENSED PROFESSIONAL ENGINEER
01/08/20

KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

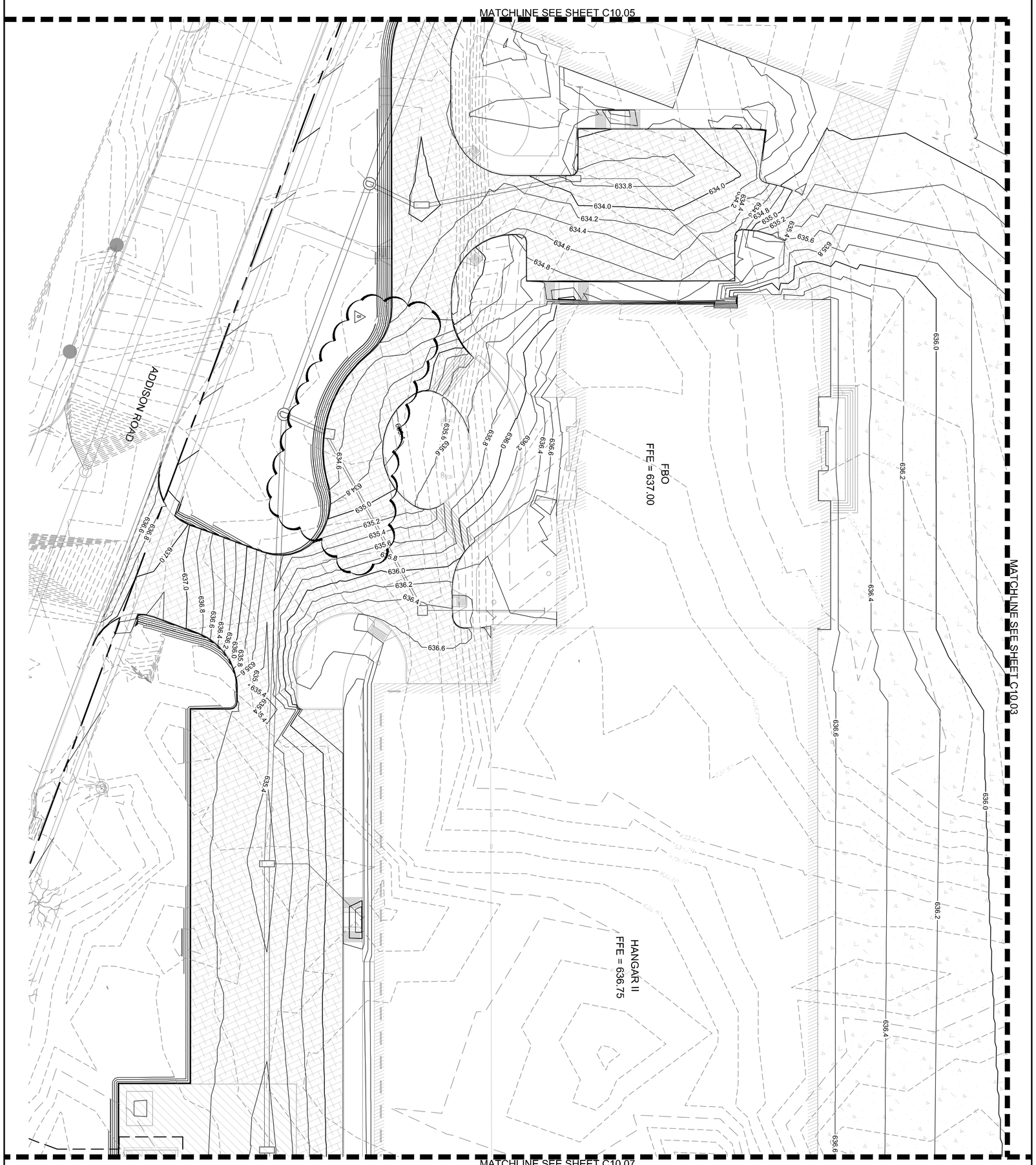
GRADING PLAN

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C10.05

Plotted By:Acevedo, Elioth Sheet Set:Kha Layout:C10.05 January 09, 2020 06:23:04am K:\WDL_Aviation\067792503 - Addison Galaxy FBO\ACAD\dwg\Sheets\C10.00 GRADING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By:Acevedo, Elioth Sheet Set:Kha Layout:C10.06 January 09, 2020 06:23:11am K:\WDL_Aviation\067792503 — Addison Galaxy FBO\ACAD\dwg\Sheets\C10.00 GRADING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



LEGEND

EXISTING CONTOURS

PROPOSED CONTROURS

TRENCH DRAIN

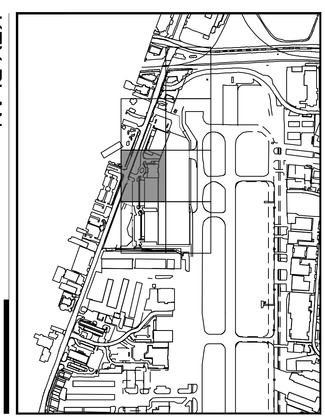
DRAINAGE INLET

DRAINAGE MANHOLE

GRAPHIC SCALE IN FEET
0 10 20 40

NORTH

KEY PLAN



SHEET NUMBER
C10.06

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
ADDISON DALLAS, TEXAS

GRADING PLAN

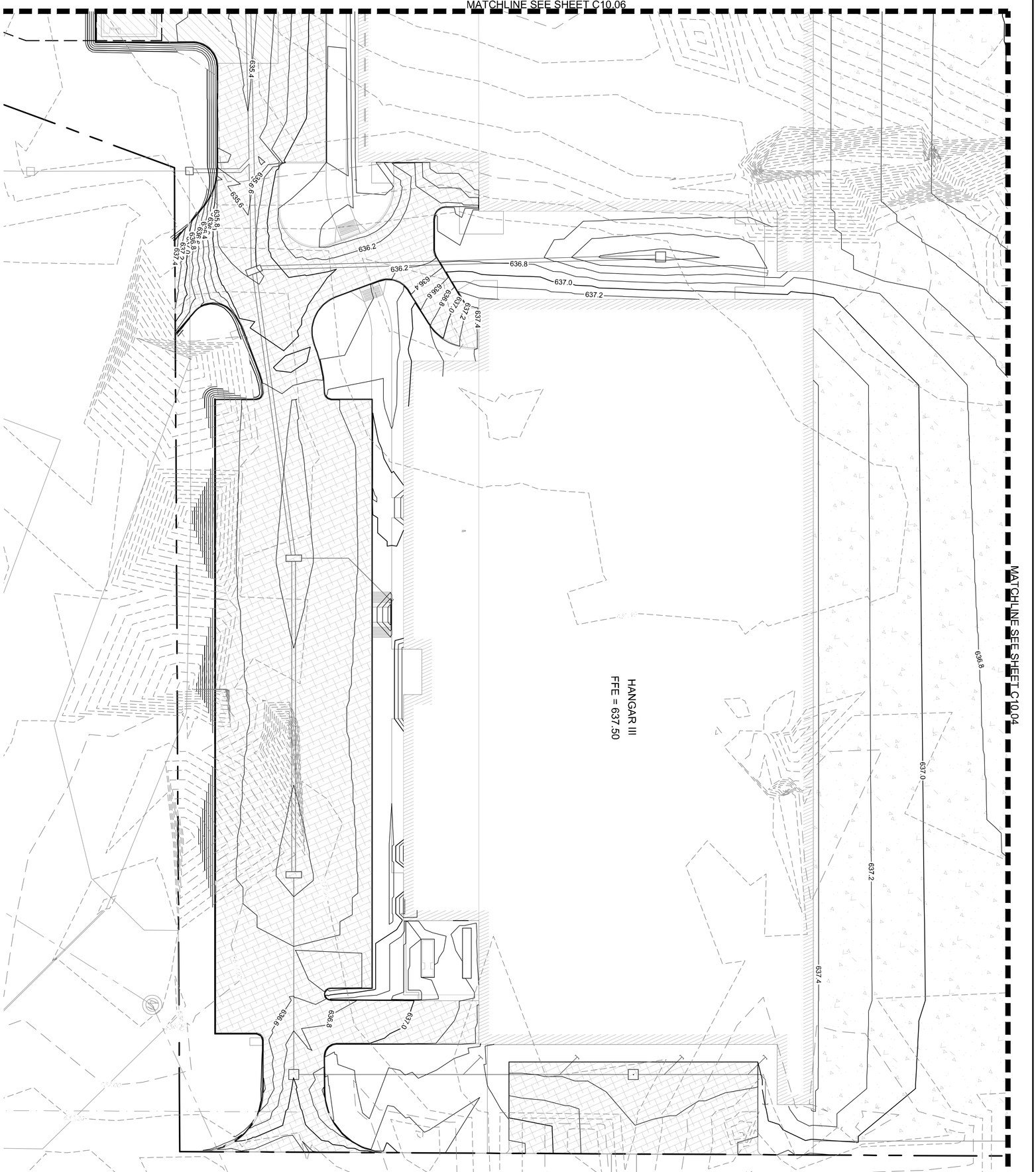
KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

12/20/10

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-475-2816
TBPE FIRM REGISTRATION F-928
WWW.KIMLEY-HORN.COM

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
5	ADDENDUM #5	10/24/2019	JM
6	ADDENDUM #6	12/11/2019	JM
8	ADDENDUM #6	01/08/2020	JM

Plotted By:Acevedo, Elioth Sheet Set:Kha Layout:C10.07 January 09, 2020 06:23:19am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C10.00 GRADING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



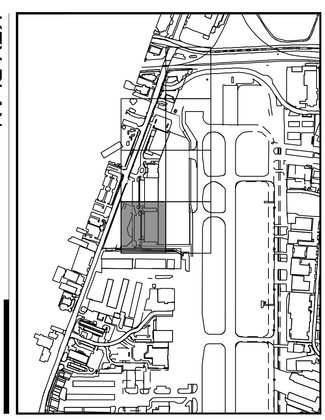
LEGEND

- EXISTING CONTOURS (638.20)
- PROPOSED CONTOURS (636.20)
- TRENCH DRAIN
- DRAINAGE INLET
- DRAINAGE MANHOLE

GRAPHIC SCALE IN FEET
0 10 20 40

NORTH

KEY PLAN



SHEET NUMBER C10.07

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
ADDISON DALLAS, TEXAS

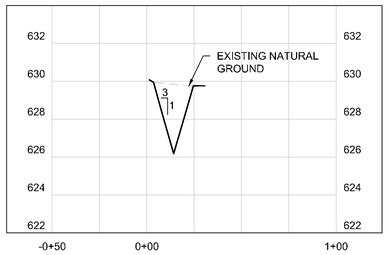
GRADING PLAN

KHA PROJECT	067792503
DATE	12/11/2019
SCALE	AS SHOWN
DESIGNED BY	HCV
DRAWN BY	EC EAC
CHECKED BY	HCV

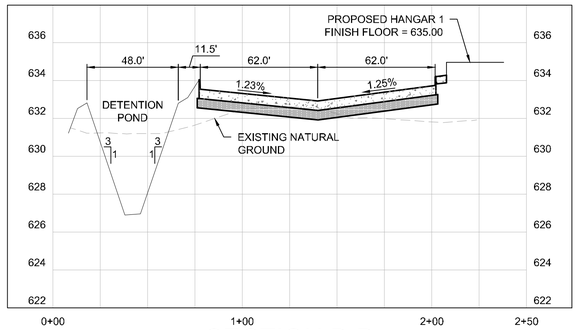
STATE OF TEXAS — JOSEPH J. MAO — 120003 — LICENSED PROFESSIONAL ENGINEER
12/20/19

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-475-2816
TBPE FIRM REGISTRATION F-928
WWW.KIMLEY-HORN.COM

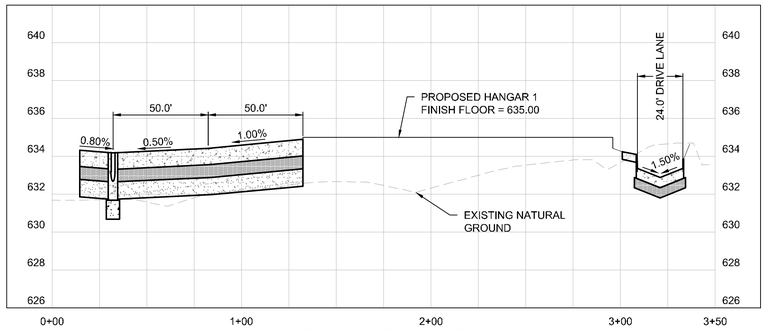
No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM



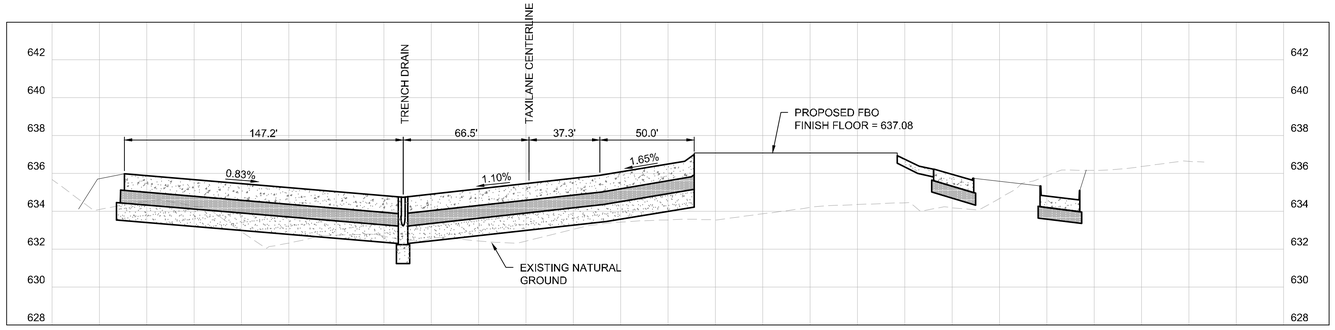
SECTION A-A



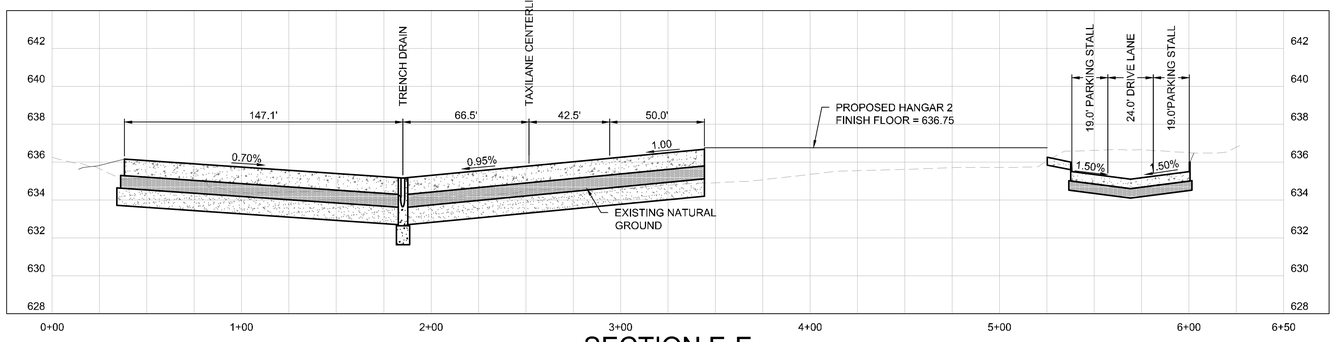
SECTION B-B



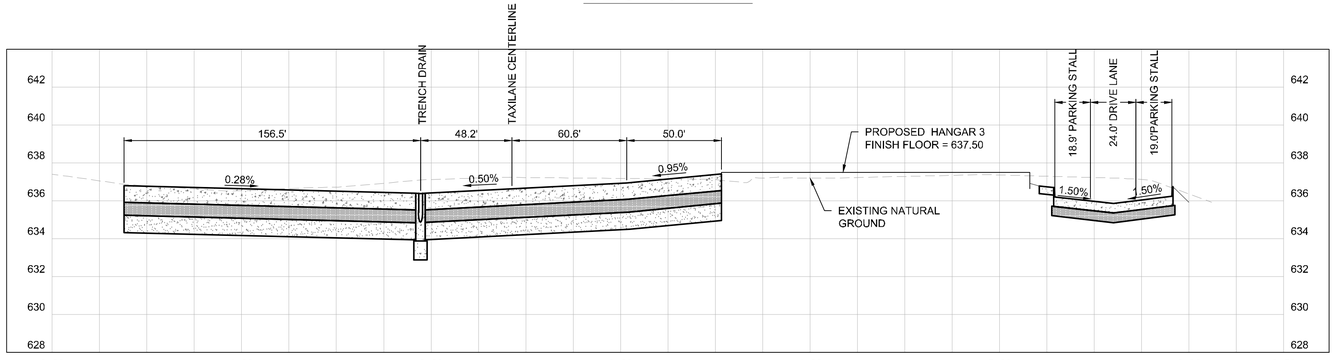
SECTION C-C



SECTION D-D



SECTION E-E



SECTION F-F

GRAPHIC SCALE IN FEET
0 20 40 80
HORIZONTAL

0 2 4 8
VERTICAL

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 936-387-4740 FAX:
TBPE FIRM REGISTRATION #
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
LICENSED PROFESSIONAL ENGINEER
01/08/20

KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

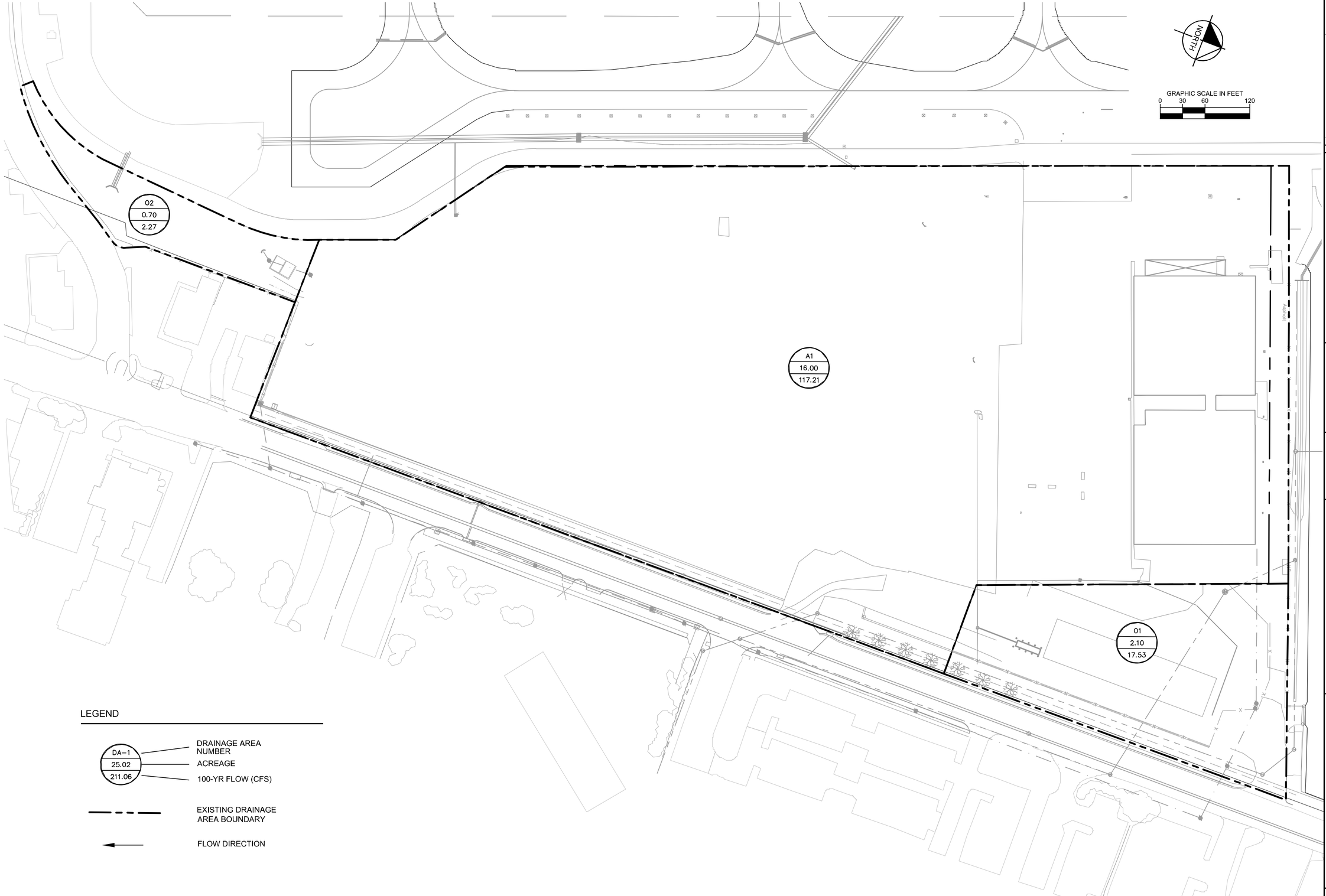
GRADING SECTIONS

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C10.08

Plotted By:Acevedo, Eliath Sheet Set:Kha Layout:C10.08 January 09, 2020 06:23:38am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C11.00 GRADING SECTIONS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By:Acevedo, Elioth Sheet Set:Kha Layout:C11.00 January 09, 2020 06:23:55pm K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C11.00 EXISTING DRAINAGE AREA.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn

© 2019 KIMLEY-HORN AND ASSOCIATES, INC.

1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-1488
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
PROFESSIONAL ENGINEER
01/08/20

KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

EXISTING DRAINAGE AREA MAP

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C11.00

Plotted By:Acevedo, Eliath Sheet Set:Kha Layout:C11.01 January 09, 2020 06:24:22am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwa\Sheets\C11.01 DRAINAGE AREA.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

NORTH

GRAPHIC SCALE IN FEET
0 30 60 120

O2
2.10
17.91

A8
0.68
4.45

A7
1.13
7.39

A6
0.87
5.69

A5
0.88
5.76

A4
0.88
5.76

5.76
0.88
5.76

A2
0.88
5.76

A1
1.28
8.37

P1
0.87
8.07

B10a
0.61
5.20

B10b
0.70
8.07

HANGAR I
15525

B8B
0.51
4.35

FBO
15601

B7
0.42
3.58

B6
1.61
13.73

HANGAR II
15625

B3
0.11
0.94

HANGAR III
15675

B1b
0..96
8.19

B9
0.41
3.50

B8A
0.38
3.24

B5
0.62
5.29

B4
0.25
2.13

B2
0.36
3.07

B1a
0.70
5.97

O1
2.10
17.53

LEGEND

DA–1
25.02
211.06

- DRAINAGE AREA NUMBER
- ACREAGE
- WESTERN COLLECTION 10-YR FLOW (CFS)
  EASTERN COLLECTION 100-YR FLOW (CFS)
- PROPOSED DRAINAGE AREA BOUNDARY
- FLOW DIRECTION

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-1888 FAX: 281-419-1828
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
PROFESSIONAL ENGINEER
01/08/20

KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN | DESIGNED BY HCV | DRAWN BY EC | CHECKED BY HCV

PROPOSED DRAINAGE AREA MAP

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C11.01

NOTE:

THIS NOTE SERVES AS A RECORD THAT THE DRAINAGE DESIGN FOR THE SUBJECT PROJECT WAS DESIGNED TO MEET AND /OR EXCEED THE REQUIREMENTS FOUND IN THE MOST RECENT SECTION OF THE TOWN OF ADDISON DRAINAGE CRITERIA MANUAL.

10-yr Hydraulic Computations for Storm Drains

		Runoff Collection Point (Inlet or Manhole)		Distance Between Collection Points (ft)	Incremental Drainage Area				Accumlated "CA"	Time of Concentration t_c	Intensity "I" (in/hr)	Storm Water Runoff "Q" (cfs)	Pipe Diameter (in)	Area of Pipe (sqft)	Velocity in Sewer Between Collection Points "V" (fps)	Major Losses (H_f)		Minor Losses (H_j)			Flow Line Elevation Downstream (ft)	Slope of Pipe (ft/ft)	Flow Line Elevation Upstream (ft)	PG Elevation (Upstream, ft)	Pipe Cover (ft) [Min - 1.5ft]	Hydraulic Grade Line Elevation Downstream (ft)	Hydraulic Grade Line Elevation Upstream (ft)	HGL Cover (ft) [Min - 1ft below curb]	Comments
		Downstream Station	Upstream Station		Area No.	Drainage Area "A" (Ac)	Runoff Coeff. "C"	Incremental "CA"								Slope of Hydraulic Gradient "Sf" (ft/ft)	Major Losses in Pipe "H_f" (ft)	Velocity Head at Upstream Station (ft)	K-Value for Minor Losses	Minor Losses at MH, Inlets & Bends "H_j" (ft)									
WESTERN COLLECTION	SD-1	100+00.00	100+69.05	69.05	MH	0.00	1.0	0.00	7.48	14.98	5.60	42.22	36	7.07	5.97	0.0040	0.28	0.55	0.47	0.26	627.86	0.0020	628.00	633.98	2.98	630.00	630.28	4.20	
		100+69.05	101+80.03	110.98	A8	0.68	1.0	0.68	7.48	14.67	5.64	42.22	36	7.07	5.97	0.0040	0.44	0.55	0.30	0.30	628.10	0.0020	628.32	633.89	2.57	631.10	631.54	2.85	
		101+80.03	102+93.52	113.49	A7	1.13	1.0	1.13	6.80	14.32	5.70	38.77	36	7.07	5.49	0.0034	0.38	0.47	0.30	0.37	628.42	0.0020	628.65	634.44	2.79	631.84	632.23	2.71	
		102+93.52	103+87.36	93.84	A6	0.87	1.0	0.87	5.67	13.98	5.76	32.65	36	7.07	4.62	0.0024	0.22	0.33	0.30	0.26	628.75	0.0020	628.94	634.75	2.81	632.60	632.82	2.43	
		103+87.36	105+18.80	131.44	A5	0.88	1.0	0.88	4.80	13.43	5.85	28.10	36	7.07	3.98	0.0018	0.23	0.25	0.30	0.19	628.94	0.0020	629.20	635.04	2.84	633.08	633.31	2.23	
		105+18.80	106+37.36	118.56	A4	0.88	1.0	0.88	3.92	12.83	5.96	23.37	36	7.07	3.31	0.0012	0.15	0.17	0.30	0.14	629.30	0.0020	629.54	635.31	2.77	633.51	633.65	2.16	
		106+37.36	107+68.80	131.44	A3	0.88	1.0	0.88	3.04	12.00	6.12	18.61	36	7.07	2.63	0.0008	0.10	0.11	0.30	0.07	629.54	0.0020	629.80	635.60	2.80	633.79	633.89	2.21	
		107+68.80	108+87.36	118.56	A2	0.88	1.0	0.88	2.16	11.28	6.26	13.53	30	4.91	2.76	0.0011	0.13	0.12	0.30	0.10	630.00	0.0020	630.24	635.91	3.17	633.96	634.09	2.32	
		108+87.36	110+18.80	131.44	A1	1.28	1.0	1.28	1.28	10.00	6.54	8.37	30	4.91	1.71	0.0004	0.05	0.05	0.70	0.03	630.24	0.0020	630.50	636.20	3.20	634.20	634.25	2.45	
	STM-16	0+00.00	0+09.00	9.00	A8	0.68	1.0	0.68	0.68	10	6.54	4.45	24	3.14	1.42	0.0004	0.00	0.03	1.25	0.04	629.99	0.0012	630.00	633.83	1.83	631.10	631.14	3.19	
	STM-13	0+00.00	0+09.00	9.00	A7	1.13	1.0	1.13	1.13	10	6.54	7.39	24	3.14	2.35	0.0011	0.01	0.09	1.25	0.11	629.99	0.0012	630.00	634.40	2.40	632.60	632.71	2.19	
	STM-11	0+00.00	0+09.00	11.00	A6	0.87	1.0	0.87	0.87	10	6.54	5.69	24	3.14	1.81	0.0006	0.01	0.05	1.25	0.06	629.44	0.0644	630.15	634.68	2.53	633.08	633.15	2.03	
	STM-9	0+00.00	0+09.00	9.00	A5	0.88	1.0	0.88	0.88	10	6.54	5.76	24	3.14	1.83	0.0006	0.01	0.05	1.25	0.07	630.19	0.0012	630.20	634.97	2.77	633.51	633.58	1.89	
	STM-7	0+00.00	0+09.00	11.00	A4	0.88	1.0	0.88	0.88	10	6.54	5.76	24	3.14	1.83	0.0006	0.01	0.05	1.25	0.07	630.04	0.0554	630.65	635.26	2.61	633.79	633.86	1.90	
	STM-5	0+00.00	0+09.00	9.00	A3	0.88	1.0	0.88	0.88	10	6.54	5.76	24	3.14	1.83	0.0006	0.01	0.05	1.25	0.07	630.89	0.0012	630.90	635.56	2.66	633.96	634.03	2.03	
	STM-3	0+00.00	0+09.00	11.00	A2	0.88	1.0	0.88	0.88	10	6.54	5.76	24	3.14	1.83	0.0006	0.01	0.05	1.25	0.07	630.49	0.0464	631.00	635.85	2.85	634.20	634.27	2.08	
	STM-1	0+00.00	0+09.00	9.00	A1	1.28	1.0	1.28	1.28	10	6.54	8.37	24	3.14	2.67	0.0014	0.01	0.11	1.25	0.14	631.39	0.0012	631.40	636.15	2.75	634.33	634.48	2.17	

100-yr Hydraulic Computations for Storm Drains

		Runoff Collection Point (Inlet or Manhole)		Distance Between Collection Points (ft)	Incremental Drainage Area				Accumlated "CA"	Time of Concentration t_c	Intensity "I" (in/hr)	Storm Water Runoff "Q" (cfs)	Pipe Diameter (in)	Area of Pipe (sqft)	Velocity in Sewer Between Collection Points "V" (fps)	Major Losses (H_f)		Minor Losses (H_j)			Flow Line Elevation Downstream (ft)	Slope of Pipe (ft/ft)	Flow Line Elevation Upstream (ft)	PG Elevation (Upstream, ft)	Pipe Cover (ft) [Min - 1.5ft]	Hydraulic Grade Line Elevation Downstream (ft)	Hydraulic Grade Line Elevation Upstream (ft)	HGL Cover (ft) [Min - 1ft below curb, .5ft below PG]	Comments
		Downstream Station	Upstream Station		Area No.	Drainage Area "A" (Ac)	Runoff Coeff. "C"	Incremental "CA"								Slope of Hydraulic Gradient "Sf" (ft/ft)	Major Losses in Pipe "H_f" (ft)	Velocity Head at Upstream Station (ft)	K-Value for Minor Losses	Minor Losses at MH, Inlets & Bends "H_j" (ft)									
EASTERN COLLECTION	SD-2	200+00.00	200+35.92	35.92	MH	0	0	0	7.8476	15.44	7.89	61.95	48	12.57	4.93	0.0019	0.07	0.38	0.47	0.18	627.69	0.0006	627.71	633.89	2.18	630.00	630.07	4.32	
		200+35.92	201+02.92	67.00	SD-3	1.31	0.92	1.2052	7.8476	15.21	7.94	62.32	48	12.57	4.96	0.0019	0.13	0.38	0.30	0.30	627.81	0.0007	627.86	633.61	1.75	630.24	630.37	3.74	
		201+02.92	203+29.09	226.17	B9	0.41	0.92	0.3772	6.6424	14.34	8.13	54.03	48	12.57	4.30	0.0014	0.32	0.29	0.30	0.00	627.96	0.0007	628.12	634.00	1.88	630.67	630.99	3.51	
		203+29.09	205+06.64	177.55	SD-4	0.89	0.92	0.819	6.2652	13.79	8.26	51.75	42	9.62	5.38	0.0026	0.47	0.45	0.30	0.35	628.62	0.0009	628.78	636.00	3.72	630.99	631.46	5.04	
		205+06.64	206+07.24	100.60	SD-5	0.42	0.92	0.3864	5.4464	13.43	8.34	45.45	42	9.62	4.72	0.0020	0.21	0.35	0.24	0.08	628.88	0.0010	628.98	636.37	3.89	631.80	632.01	4.86	
		206+07.24	207+90.98	183.74	B6	1.61	0.92	1.4812	5.06	12.75	8.51	43.07	42	9.62	4.48	0.0018	0.34	0.31	0.30	0.10	629.07	0.0009	629.23	635.30	2.57	632.09	632.43	3.37	
		207+90.98	209+07.98	117.00	B5	0.62	0.92	0.5704	3.5788	12.30	8.63	30.87	36	7.07	4.37	0.0021	0.25	0.30	0.30	0.12	629.73	0.0009	629.84	635.30	2.46	632.53	632.78	3.02	
		209+07.98	209+69.62	61.64	SD-7	2.10	0.92	1.932	3.0084	12.02	8.70	26.17	36	7.07	3.70	0.0015	0.09	0.21	0.30	0.20	629.94	0.0018	630.05	635.30	2.25	632.89	632.99	2.81	
		209+69.62	210+14.24	44.62	SD-6 & B4	0.36	0.92	0.1012	1.0764	13.63	8.30	8.93	36	7.07	1.26	0.0002	0.01	0.02	0.24	0.00	630.05	0.0018	630.13	635.76	2.63	633.19	633.20	3.06	
		210+14.24	211+29.76	115.52	B2	0.36	0.92	0.3312	0.9752	12.02	8.70	8.48	36	7.07	1.20	0.0002	0.02	0.02	0.30	0.01	630.23	0.0010	630.34	636.11	2.77	633.20	633.22	3.39	
		211+29.76	212+55.76	126.00	B1A	0.70	0.92	0.644	0.644	10.28	9.19	5.92	30	4.91	1.21	0.0002	0.03	0.02	0.30	0.00	630.84	0.0009	630.95	636.11	2.66	633.23	633.25	3.36	
		212+55.76	213+33.76	78	SD-8	0.96	0.92	0.8832	0.8832	10.00	9.27	8.19	18	1.77	4.63	0.0061	0.47	0.33	1.25	0.42	631.95	0.0050	632.34	636.99	3.15	633.25	633.73	3.76	
	SD-3	300+00.00	300+58.00	58.00	B10A	0.61	0.92	0.5612	1.2052	10.00	9.27	11.18	24	3.14	3.56	0.0024	0.14	0.20	0.30	0.20	628.78	0.0034	628.98	632.92	1.94	630.99	631.13	2.29	
		300+58.00	301+12.00	54.00	B10B	0.70	0.92	0.644	0.644	10.00	9.27	5.97	18	1.77	3.38	0.0032	0.17	0.18	1.25	0.22	629.48	0.0050	629.75	633.65	2.40	631.32	631.50	2.65	
	SD-4	400+00.00	400+23.00	23.00	B8A	0.38	0.92	0.3496	0.8188	10.00	9.27	7.59	18	1.77	4.30	0.0052	0.12	0.29	1.25	0.36	630.04	0.0030	630.11	633.91	2.30	631.46	631.58	2.83	
		400+23.00	400+89.45	66.45	B8B	0.51	0.92	0.4692	0.4692	10.00	9.27	4.35	18	1.77	2.46	0.0017	0.11	0.09	1.25	0.12	630.21	0.0030	630.41	633.70	1.79	631.93	632.05	2.15	
	SD-5	500+00.00	500+24.22	24.22	B7A	0.21	0.92	0.1932	0.3864	10.00	9.27	3.58	18	1.77	2.03	0.0012	0.03	0.06	1.25	0.08	630.54	0.0030	630.62	634.53	2.41	632.01	632.03	3.00	
		500+24.22	501+01.22	77.00	B7B	0.21	0.92	0.1932	0.1932	10.00	9.27	1.79	12	0.79	2.28	0.0025	0.19	0.08	1.25	0.10	631.11	0.0050	631.50	636.45	3.95	632.11	632.31	4.64	
	SD-7	700+00.00	700+20.00	20.00	O1	2.1	0.92	1.932	1.932	10.00	9.27	17.91	18	1.77	10.14	0.0291	0.58	1.60	1.25	1.99	630.41	0.0047	630.50	637.26	5.26	632.99	633.57	4.19	
	SD-6	600+00.00	601+62.04	162.04	B3	0.11	0.92	0.1012	0.1012	10.00	9.27	0.94	24	3.14	0.30	0.00002	0.003	0.001	1.25	0.00	630.69	0.0030	631.18	636.11	2.93	633.20	633.20	3.41	
	SD-8	900+00.00	900+15.00	15	COUP-5	0	0.92	0	0.8832	10.43156209	9.14	8.07	18.00	1.77	4.57	0.00591	0.09	0.32	1.25	0.41	631.92	0.005	632.00	636.92	3.42	633.73	633.82	3.60	
		900+15.00	901+35.00	120	B1B	0.96	0.92	0.8832	0.8832	10	9.27	8.19	18.00	1.77	4.63	0.00360	0.43	0.33	1.25	0.42	632.00	0.005	632.60	636.4	2.30	634.22	634.65	2.25	

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-1888
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
LICENSED PROFESSIONAL ENGINEER
01/08/20

KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

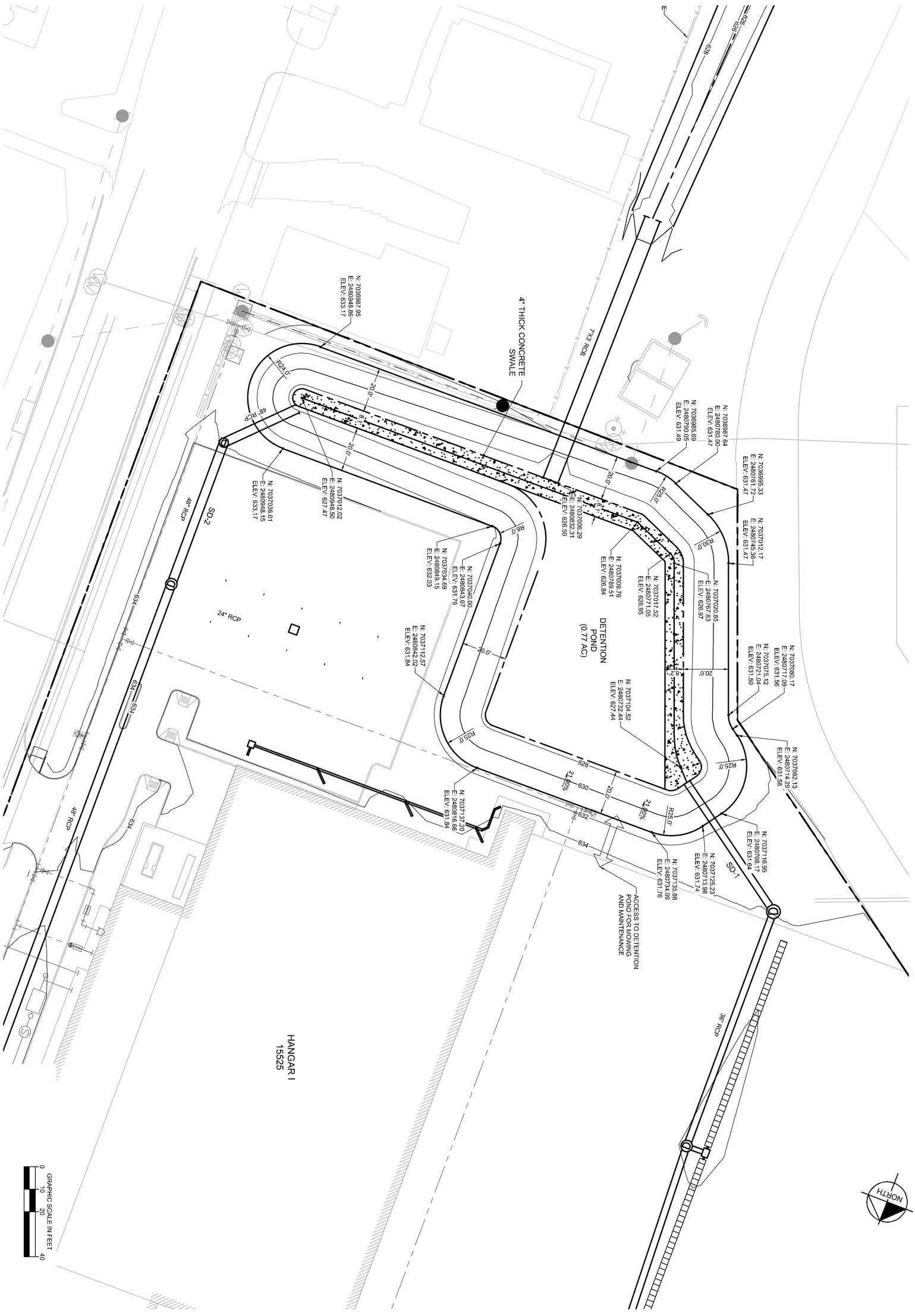
DRAINAGE AREA CALCULATIONS

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C11.02

Plotted By:Acevedo, Eliath Sheet Set:Kha Layout:C11.02 January 09, 2020 06:24:25am K:\WDL_Aviation\067792503 — Addison Galaxy FBO\ACAD\dwg\Sheets\C11_01 DRAINAGE AREA.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By:Acevedo, Elioth Sheet Set:Kha Layout:C11.04 January 09, 2020 06:25:13am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C11.03 DETENTION POND.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



SHEET NUMBER
C11.04

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
ADDISON DALLAS, TEXAS

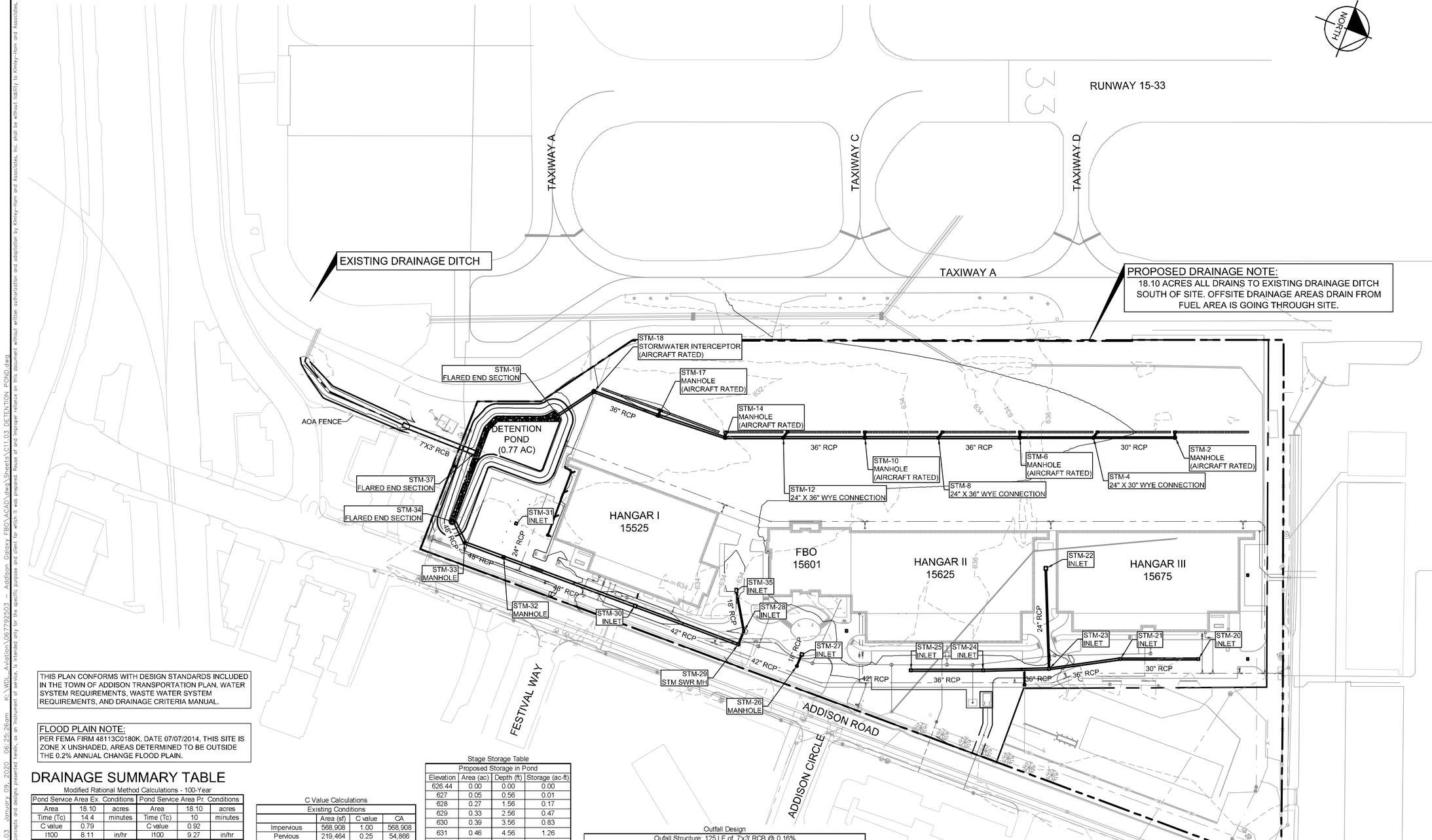
DETENTION POND LAYOUT PLAN

KHA PROJECT	067792503
DATE	12/11/2019
SCALE	AS SHOWN
DESIGNED BY	HCV
DRAWN BY	EC EAC
CHECKED BY	HCV

JOSEPH J. MAIO 80051 LICENSED PROFESSIONAL ENGINEER STATE OF TEXAS
01/08/20

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-475-2816
TBPE FIRM REGISTRATION F-928
WWW.KIMLEY-HORN.COM

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM



GRAPHIC SCALE IN FEET
0 40 80 160

THIS PLAN CONFORMS WITH DESIGN STANDARDS INCLUDED IN THE TOWN OF ADDISON TRANSPORTATION PLAN, WATER SYSTEM REQUIREMENTS, WASTE WATER SYSTEM REQUIREMENTS, AND DRAINAGE CRITERIA MANUAL.

FLOOD PLAIN NOTE:
PER FEMA FIRM 48113C0180K, DATE 07/07/2014, THIS SITE IS ZONE X UNSHADED, AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANGE FLOOD PLAIN.

DRAINAGE SUMMARY TABLE

Modified Rational Method Calculations - 100-Year

Pond Service Area Ex. Conditions			Pond Service Area Pr. Conditions		
Area	18.10	acres	Area	18.10	acres
Time (Tc)	14.4	minutes	Time (Tc)	10	minutes
C value	0.79		C value	0.92	
I100	8.11	in/hr	I100	9.27	in/hr
Q100	116.17	cfs	Q100	154.23	cfs

Detention Volume Calculation			
Storm	Inflow	Outflow	Storage (ft3)
10	92,454	69,627	22,827
15	119,454	87,033	32,421
20	140,605	104,440	36,165
30	172,535	139,253	33,281
40	196,300	174,067	22,233
50	215,218	208,880	6,338
60	230,949	243,693	(12,744)
70	244,434	278,507	(34,073)
80	256,254	313,320	(57,066)
90	266,791	348,133	(81,343)
100	276,310	382,947	(106,636)
110	285,003	417,760	(132,757)
120	293,010	452,573	(159,563)

<-- Max = 0.83 ac-ft

C Value Calculations

Existing Conditions			
	Area (sf)	C value	CA
Impervious	568,908	1.00	568,908
Pervious	219,464	0.25	54,866
		C =	0.79
Proposed Conditions			
	Area (sf)	C value	CA
Impervious	703,270	1.00	703,270
Pervious	85,102	0.25	21,276
		C =	0.92

Stage Storage Table

Proposed Storage in Pond			
Elevation	Area (ac)	Depth (ft)	Storage (ac-ft)
626.44	0.00	0.00	0.00
627	0.05	0.56	0.01
628	0.27	1.56	0.17
629	0.33	2.56	0.47
630	0.39	3.56	0.83
631	0.46	4.56	1.26
631.47	0.53	5.03	1.49

Calculated WSEL		
630.00	100-YR	0.83
629.27	10-YR	0.57
628.45	2-YR	0.31

Outfall Design

Oufall Structure: 125 LF of 7'x3' RCB @ 0.16%				
Storm Event	Pond Elev	Tailwater Elev*	Allowable Discharge (cfs)	Design Discharge (cfs)**
100-Year	630.00	629.16	116.17	115.06
10-Year	629.27	628.65	81.39	81.29
2-Year	628.45	628.14	49.41	47.49

* Tailwater Elev calculated using HGL spreadsheet and FlowMaster for channel WSEL

** Design Discharge calculated using CulvertMaster

Stations		EVENT	SUM OF FLOWS 'Q'	PIPE							DESIGN CAPACITY	FALL	MANHOLE	FLOWLINE ELEVATION		DESIGN	HYD	Hv	COEF	Hj	HGL ELEV		
				LENGTH	L	H	A	P	SLOPE	MANNING'S			DROP	Downstream	Upstream	VELOCITY	GRAD		Kj		Downstream*	Upstream	HGL DIFF.
Downstream	Upstream		(cfs)	(ft)	(ft)	(ft)	(sf)	(ft)	(%)	n	(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/s)	%	(ft)		(ft)	(ft)	(ft)	(ft)
Channel	Pond	2-Year	49.41	125	7	3	21.00	20.00	0.16	0.013	99.19	0.20	0.00	626.24	626.44	2.35	0.04%	0.09	0.50	0.04	628.09	628.14	0.05
Channel	Pond	10-Year	81.39	125	7	3	21.00	20.00	0.16	0.013	99.19	0.20	0.00	626.24	626.44	3.88	0.11%	0.23	0.50	0.12	628.52	628.65	0.13
Channel	Pond	100-Year	116.17	125	7	3	21.00	20.00	0.16	0.013	99.19	0.20	0.00	626.24	626.44	5.53	0.22%	0.48	0.50	0.24	628.89	629.16	0.27

* Downstream HGL = Ground Elevation + Normal Depth in Channel (FlowMaster)

OWNER	ENGINEERING/APPLICANT
BLACK FOREST VENTURES 24 WATERWAY AVE., SUITE 225 THE WOODLANDS, TX. 77380	KIMLEY-HORN 1400 WOODLOCH FOREST DR., SUITE 225 THE WOODLANDS, TX. 77380
PROPOSED SUBDIVISION NAME:	ADDSION GALAXY FBO
BLOCK DESIGNATION:	NA
LOT NUMBER:	NA
ACREAGE:	15.65 ACRES
ABSTRACT/SURVEY NAME AND NUMBER:	EDWARD COOK SURVEY/ ABSTRACT No. 326
TOWN OF ADDISION NUMBER:	2019-09D
PREPARATION DATE:	7/15/2019

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX. 77380
PHONE: 281-419-5937
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
LICENSED PROFESSIONAL ENGINEER
01/08/20

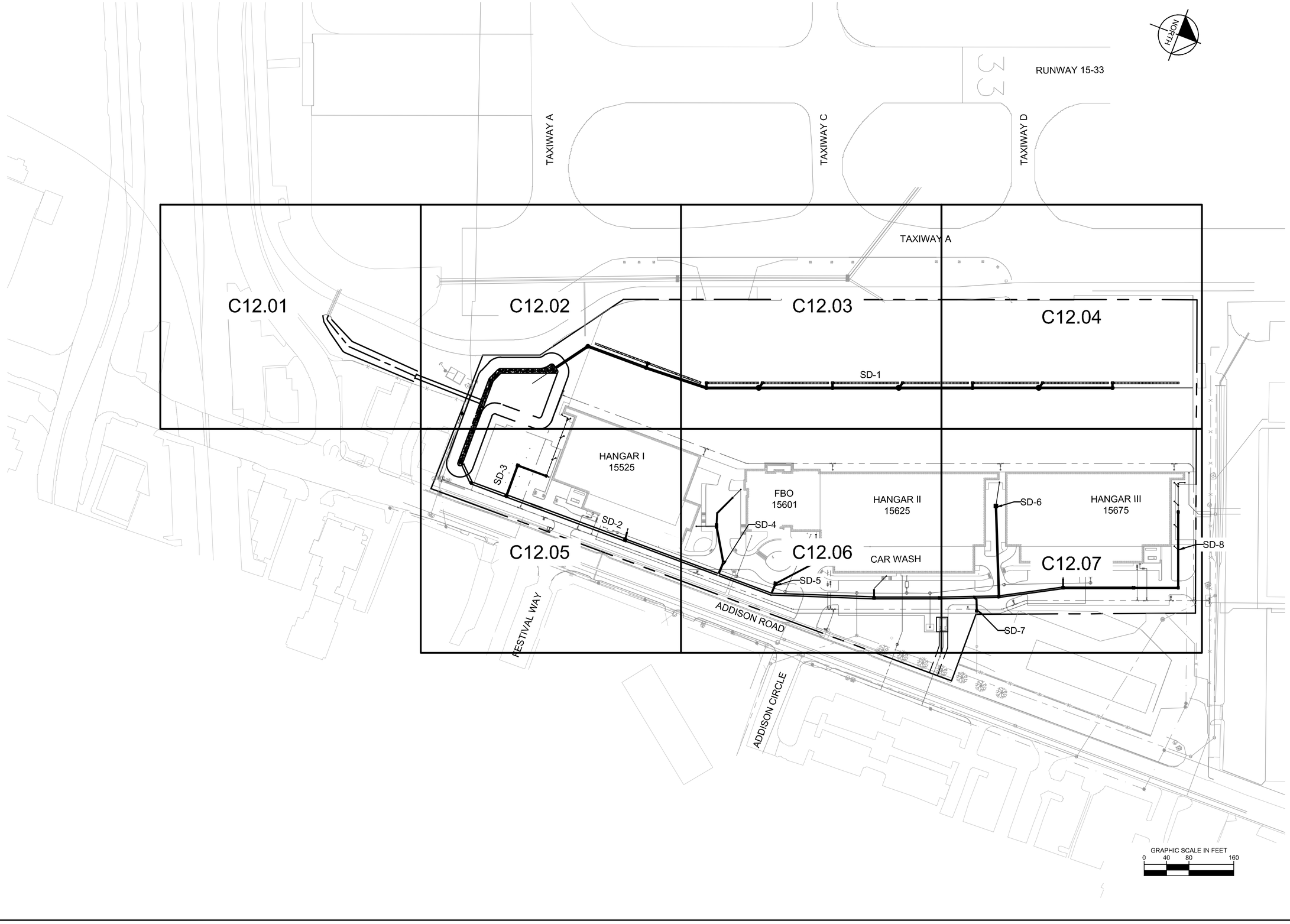
KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

DETENTION POND AND OUTFALL CALCULATIONS

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
ADDISON DALLAS, TEXAS

SHEET NUMBER
C11.03

Plotted By: Acevedo, Eliath Sheet Set: Kha Layout: C11.03 January 09, 2020 06:25:26am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\vACAD\dwg\Sheets\C11.03 DETENTION POND.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-1888
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
PROFESSIONAL ENGINEER
01/08/20

KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EAC
CHECKED BY HCV

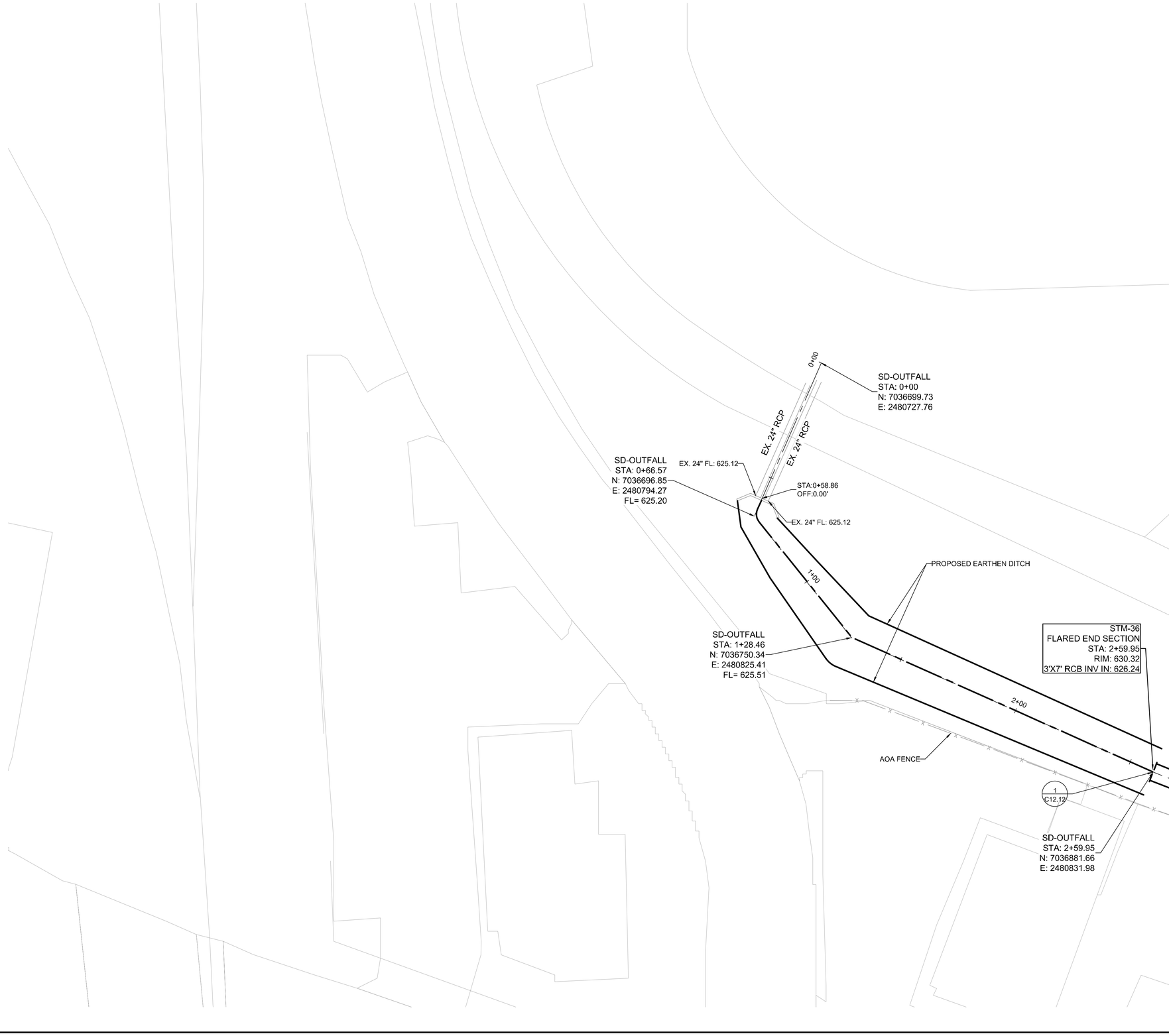
STORM DRAINAGE PLAN
KEY MAP

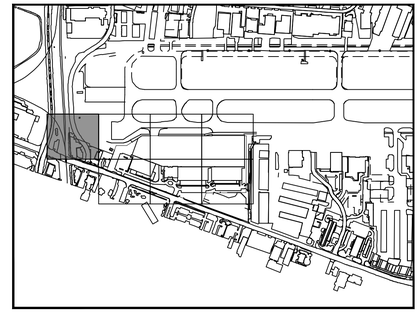
ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C12.00

Plotted By: Acevedo, Eliott Sheet Set: Kha Layout: C12.00 January 09, 2020 06:25:58am K:\WDL_Aviation\067792503 - Addison Galaxy FBO\ACAD\dwg\Sheets\C12.00 DRAINAGE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By:Acevedo, Eliath Sheet Set:Kha Layout:C12.01 January 09, 2020 06:26:13am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C12.00 DRAINAGE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.





KEY PLAN

NOTE

1. AIRCRAFT RATED STRUCTURES SHALL BE CAPABLE OF SUPPORTING A MINIMUM OF 100,000 LBS.
2. SEE MEP FOR ROOF DRAIN CONNECTIONS.
3. SEE DETAIL 2 ON SHEET C12.10 FOR STORM DRAIN PIPE BEDDING.
4. UTILITY CROSSINGS ARE TO BE CONCRETE ENCASED AT ALL TIMES IN ORDER TO PROTECT AGAINST WEIGHT AND FUTURE SETTLING.
5. STORM DRAIN PIPE WITHIN AIRSIDE MUST BE CLASS V.
6. ALL HDPE STORM PIPES CONNECTED TO ROOF DRAINS ARE CONSIDERED PRIVATE AND WILL NOT BE MAINTAINED BY THE TOWN OF ADDISON.
7. STORM DRAIN INLETS WITHIN THE LANDSIDE AREA WILL BE FOUR GRATE INLET DETAIL SD-D32.

THIS PLAN CONFORMS WITH DESIGN STANDARDS INCLUDED IN THE TOWN OF ADDISON TRANSPORTATION PLAN, WATER SYSTEM REQUIREMENTS, WASTE WATER SYSTEM REQUIREMENTS, AND DRAINAGE CRITERIA MANUAL.

FLOOD PLAIN NOTE:
NO FLOODPLAIN EXISTS ONSITE PER FEMA FIRM 48113C0180K, DATEd 07/07/2014. THIS SITE IS LOCATED IN UNSHADED ZONE X, AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANGE FLOOD PLAIN.

LEGEND

- TRENCH DRAIN
- DRAINAGE INLET
- DRAINAGE MANHOLE

GRAPHIC SCALE IN FEET
0 10 20 40

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-4488 FAX: 281-419-2955
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
LICENSED PROFESSIONAL ENGINEER
01/08/20

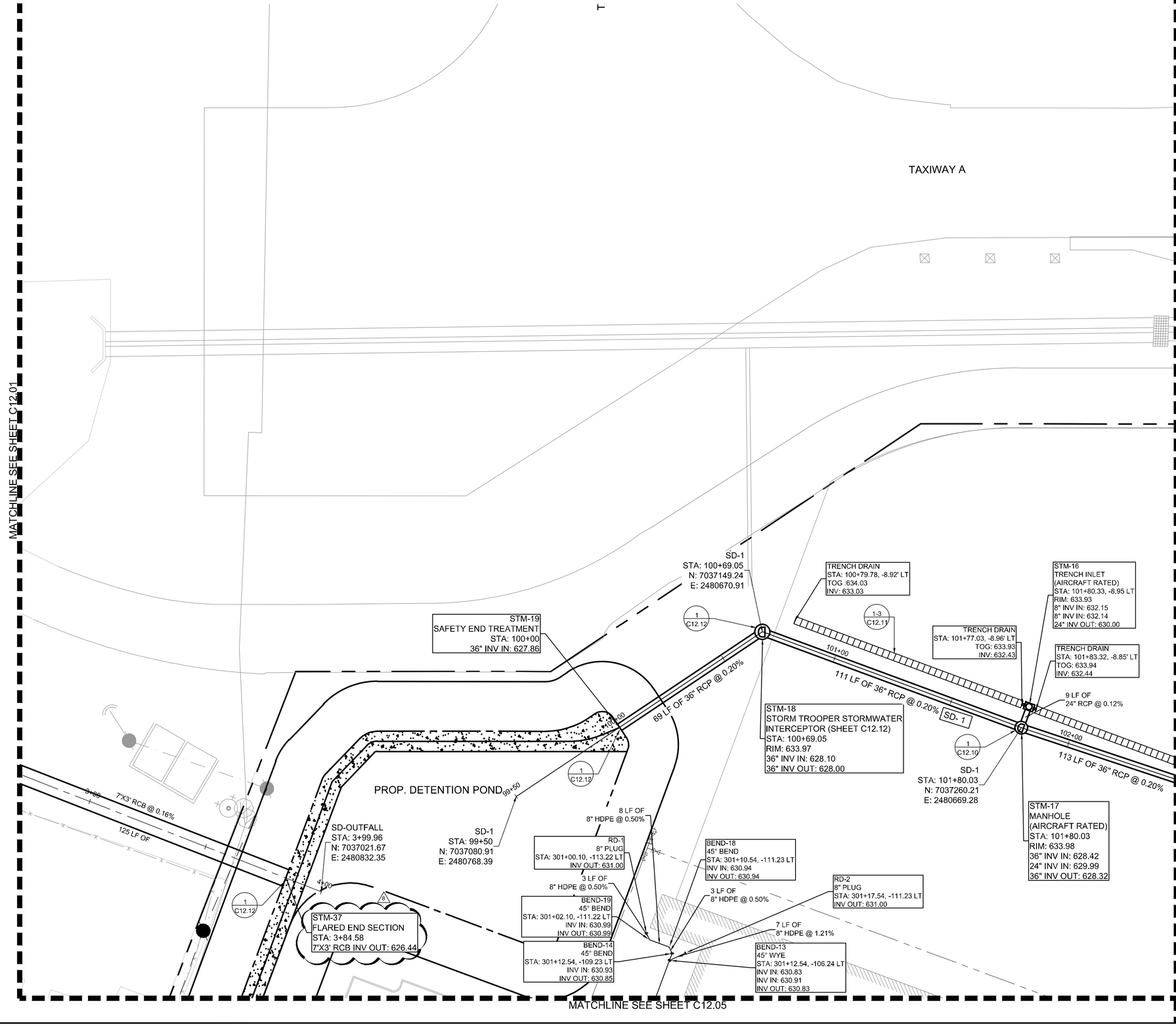
KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

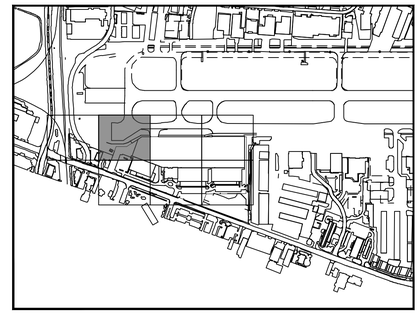
STORM DRAINAGE PLAN

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C12.01

Plotted By:Acevedo, Elioth Sheet Set:Kha Layout:C12.02 January 09, 2020 06:26:30am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C12.00 DRAINAGE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.





KEY PLAN

NOTE

1. AIRCRAFT RATED STRUCTURES SHALL BE CAPABLE OF SUPPORTING A MINIMUM OF 100,000 LBS.
2. SEE MEP FOR ROOF DRAIN CONNECTIONS.
3. SEE DETAIL 2 ON SHEET C12.10 FOR STORM DRAIN PIPE BEDDING.
4. UTILITY CROSSINGS ARE TO BE CONCRETE ENCASED AT ALL TIMES IN ORDER TO PROTECT AGAINST WEIGHT AND FUTURE SETTLING.
5. STORM DRAIN PIPE WITHIN AIRSIDE MUST BE CLASS V.
6. ALL HDPE STORM PIPES CONNECTED TO ROOF DRAINS ARE CONSIDERED PRIVATE AND WILL NOT BE MAINTAINED BY THE TOWN OF ADDISON.
7. STORM DRAIN INLETS WITHIN THE LANDSIDE AREA WILL BE FOUR GRATE INLET DETAIL SD-D32.

THIS PLAN CONFORMS WITH DESIGN STANDARDS INCLUDED IN THE TOWN OF ADDISON TRANSPORTATION PLAN, WATER SYSTEM REQUIREMENTS, WASTE WATER SYSTEM REQUIREMENTS, AND DRAINAGE CRITERIA MANUAL.

FLOOD PLAIN NOTE:
NO FLOODPLAIN EXISTS ONSITE PER FEMA FIRM 48113C0180K, DATEd 07/07/2014. THIS SITE IS LOCATED IN UNSHADED ZONE X, AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANGE FLOOD PLAIN.

LEGEND

- TRENCH DRAIN
- DRAINAGE INLET
- DRAINAGE MANHOLE

GRAPHIC SCALE IN FEET
0 10 20 40

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 832-487-2655
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
PROFESSIONAL ENGINEER
01/08/20

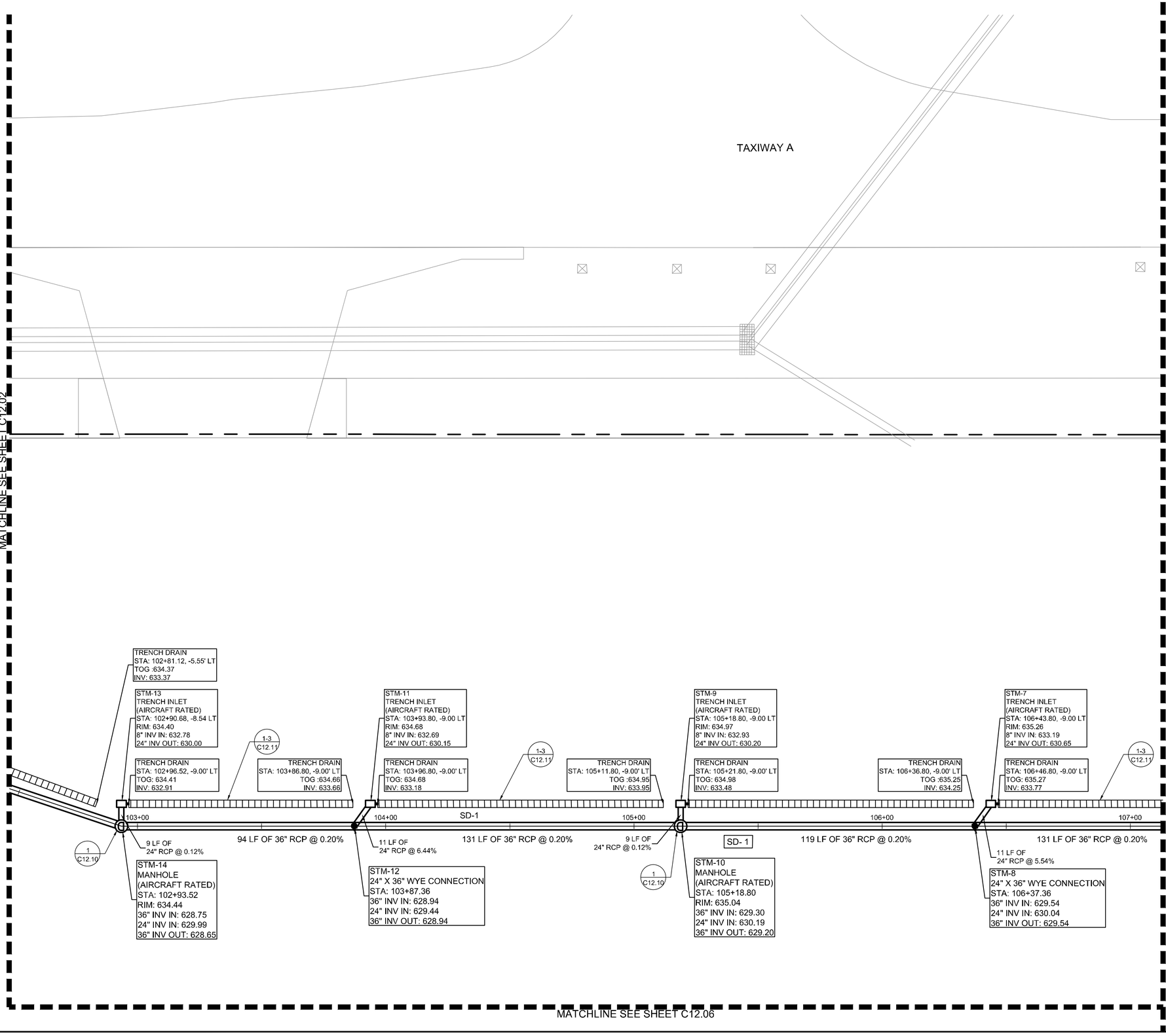
KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

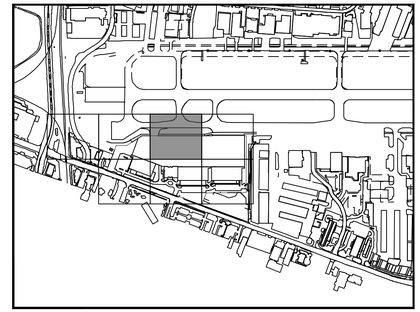
STORM DRAINAGE PLAN SD-1

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C12.02

Plotted By:Acevedo, Elioth Sheet Set:Kha Layout:C12.03 January 09, 2020 06:26:54am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C12.00 DRAINAGE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.





KEY PLAN

NOTE

1. AIRCRAFT RATED STRUCTURES SHALL BE CAPABLE OF SUPPORTING A MINIMUM OF 100,000 LBS.
2. SEE MEP FOR ROOF DRAIN CONNECTIONS.
3. SEE DETAIL 2 ON SHEET C12.10 FOR STORM DRAIN PIPE BEDDING.
4. UTILITY CROSSINGS ARE TO BE CONCRETE ENCASED AT ALL TIMES IN ORDER TO PROTECT AGAINST WEIGHT AND FUTURE SETTLING.
5. STORM DRAIN PIPE WITHIN AIRSIDE MUST BE CLASS V.
6. ALL HDPE STORM PIPES CONNECTED TO ROOF DRAINS ARE CONSIDERED PRIVATE AND WILL NOT BE MAINTAINED BY THE TOWN OF ADDISON.
7. STORM DRAIN INLETS WITHIN THE LANDSIDE AREA WILL BE FOUR GRATE INLET DETAIL SD-D32.

THIS PLAN CONFORMS WITH DESIGN STANDARDS INCLUDED IN THE TOWN OF ADDISON TRANSPORTATION PLAN, WATER SYSTEM REQUIREMENTS, WASTE WATER SYSTEM REQUIREMENTS, AND DRAINAGE CRITERIA MANUAL.

FLOOD PLAIN NOTE:
NO FLOODPLAIN EXISTS ONSITE PER FEMA FIRM 48113C0180K, DATEd 07/07/2014. THIS SITE IS LOCATED IN UNSHADED ZONE X, AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANGE FLOOD PLAIN.

LEGEND

TRENCH DRAIN

DRAINAGE INLET

DRAINAGE MANHOLE

GRAPHIC SCALE IN FEET
0 10 20 40

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 936.387.7161 FAX: 936.387.7165
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
LICENSED PROFESSIONAL ENGINEER
01/08/20

KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EAC
CHECKED BY HCV

STORM DRAINAGE PLAN SD-1

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C12.03

Plotted By:Acevedo, Elioth Sheet Set:Kha Layout:C12.04 January 09, 2020 06:27:14am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C12.00 DRAINAGE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

MATCHLINE SEE SHEET C12.03

TAXIWAY A

TRENCH DRAIN
STA: 107+62.55, -9.00' LT
TOG :635.54
INV: 634.54

STM-5
TRENCH INLET
(AIRCRAFT RATED)
STA: 107+68.80, -9.00 LT
RIM: 635.56
8" INV IN: 633.45
24" INV OUT: 630.90

TRENCH DRAIN
STA: 107+71.80, -9.00' LT
TOG: 635.57
INV: 634.07

1-3 C12.11

TRENCH DRAIN
STA: 108+86.80, -9.00' LT
TOG :635.84
INV: 634.84

STM-3
TRENCH INLET
(AIRCRAFT RATED)
STA: 108+93.80, -9.00 LT
RIM: 635.85
8" INV IN: 633.69
24" INV OUT: 631.00

TRENCH DRAIN
STA: 108+96.80, -9.00' LT
TOG: 635.86
INV: 634.36

1-3 C12.11

TRENCH DRAIN
STA: 110+11.80, -9.00' LT
TOG :636.13
INV: 635.13

STM-1
TRENCH INLET
(AIRCRAFT RATED)
STA: 110+18.80, -9.00 LT
RIM: 636.15
8" INV IN: 633.98
24" INV OUT: 631.40

TRENCH DRAIN
STA: 110+21.80, -9.00' LT
TOG: 636.17
INV: 634.67

1-3 C12.11

TRENCH DRAIN
STA: 111+37.55, -9.00' LT
TOG :636.89
INV: 635.89

108+00 109+00 110+00 111+00 111+61

9 LF OF 24" RCP @ 0.12%

1 C12.10

119 LF OF 30" RCP @ 0.20%

SD- 1

11 LF OF 24" RCP @ 4.64%

131 LF OF 30" RCP @ 0.20%

9 LF OF 24" RCP @ 0.12%

SD-1
STA: 111+61.49
N: 7038183.04
E: 2480350.64

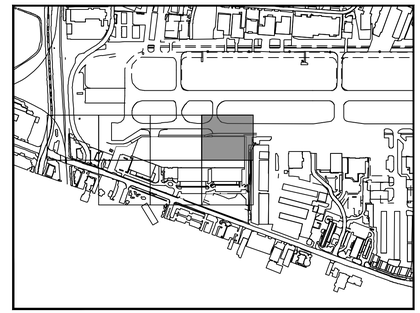
STM-6
MANHOLE
(AIRCRAFT RATED)
STA: 107+68.80
RIM: 635.60
30" INV IN: 630.00
24" INV IN: 630.89
36" INV OUT: 629.80

STM-4
24" X 30" WYE CONNECTION
STA: 108+87.36
30" INV IN: 630.24
24" INV IN: 630.49
30" INV OUT: 630.24

1 C12.10

STM-2
MANHOLE
(AIRCRAFT RATED)
STA: 110+18.80
RIM: 636.20
24" INV IN: 631.39
30" INV OUT: 630.50

MATCHLINE SEE SHEET C12.07



KEY PLAN

NORTH

NOTE
1. AIRCRAFT RATED STRUCTURES SHALL BE CAPABLE OF SUPPORTING A MINIMUM OF 100,000 LBS.
2. SEE MEP FOR ROOF DRAIN CONNECTIONS.
3. SEE DETAIL 2 ON SHEET C12.10 FOR STORM DRAIN PIPE BEDDING.
4. UTILITY CROSSINGS ARE TO BE CONCRETE ENCASED AT ALL TIMES IN ORDER TO PROTECT AGAINST WEIGHT AND FUTURE SETTLING.
5. STORM DRAIN PIPE WITHIN AIRSIDE MUST BE CLASS V.
6. ALL HDPE STORM PIPES CONNECTED TO ROOF DRAINS ARE CONSIDERED PRIVATE AND WILL NOT BE MAINTAINED BY THE TOWN OF ADDISON.
7. STORM DRAIN INLETS WITHIN THE LANDSIDE AREA WILL BE FOUR GRATE INLET DETAIL SD-D32.

THIS PLAN CONFORMS WITH DESIGN STANDARDS INCLUDED IN THE TOWN OF ADDISON TRANSPORTATION PLAN, WATER SYSTEM REQUIREMENTS, WASTE WATER SYSTEM REQUIREMENTS, AND DRAINAGE CRITERIA MANUAL.

FLOOD PLAIN NOTE:
NO FLOODPLAIN EXISTS ONSITE PER FEMA FIRM 48113C0180K, DATEd 07/07/2014. THIS SITE IS LOCATED IN UNSHADED ZONE X, AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANGE FLOOD PLAIN.

LEGEND

- TRENCH DRAIN
- DRAINAGE INLET
- DRAINAGE MANHOLE

GRAPHIC SCALE IN FEET
0 10 20 40

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-4488 FAX: 281-419-4495
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
PROFESSIONAL ENGINEER
01/08/20

KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

STORM DRAINAGE PLAN SD-1

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C12.04

MATCHLINE SEE SHEET C12.02

SD-2
STA: 199+50
N: 7036981.28
E: 2480913.84

199+50

STM-34
SAFETY END TREATMENT
STA: 200+00
RIM: 632.61
48" INV IN: 627.69

200+00

48" RCP @ 0.86%

36 LF OF

1 C12.12

3 C12.14

SD-2
STA: 200+35.92
N: 7037043.05
E: 2480973.57

STM-33
MANHOLE
STA: 200+35.92
RIM: 633.89
48" INV IN: 627.81
48" INV OUT: 627.71

67 LF OF 48" RCP @ 0.07%

STM-32
MANHOLE
STA: 201+02.92
RIM: 633.61
48" INV IN: 627.96
24" INV IN: 628.78
48" INV OUT: 627.86

201+00

3 C12.14

299+50

SD-3
STA: 299+50
N: 7037110.77
E: 2481022.62

ADDISON ROAD

FESTIVAL WAY

BEND-12
45° WYE
STA: 301+12.52, -72.89 LT
INV IN: 630.66
INV IN: 630.75
INV OUT: 630.66

33 LF OF
10" HDPE @ 0.50%

RD-3
8" PLUG
STA: 301+17.52, -77.89 LT
INV OUT: 631.00

7 LF OF
8" HDPE @ 3.55%

42 LF OF
10" HDPE @ 0.50%

RD-4
8" PLUG
STA: 301+17.50, -36.26 LT
INV OUT: 631.00

31 LF OF
10" HDPE @ 0.50%

8 C12.14

7 LF OF
8" HDPE @ 6.50%

BEND-11
45° WYE
STA: 201+57.31, -89.34 LT
INV IN: 630.46
INV IN: 630.54
INV OUT: 630.46

STM-31
INLET
STA: 300+58.07
RIM: 632.92
18" INV IN: 629.48
24" INV OUT: 628.98

18" RCP @ 0.50%

301+00

54 LF OF

SD-3

301+33

SD-3
STA: 301+33.08
N: 7037184.18
E: 2480913.49

STM-43
JUNCTION BOX
STA: 301+12.48
RIM: 633.65
10" INV IN: 630.30
8" INV IN: 630.95
18" INV OUT: 629.75

RD-5
8" PLUG
STA: 201+62.29, -58.08 LT
INV OUT: 631.00

5 LF OF
8" HDPE @ 1.00%

58 LF OF 24" RCP @ 0.34%

SD- 3

SD- 2

202+00

226 LF OF 48" RCP @ 0.07%

HANGAR I
15525

COUP-4
RCP TO HDPE COUPLER
CONNECTION
STA: 203+27.45, -13.50 LT
INV IN: 631.05
INV OUT: 630.80

203+00

RD-6
6" PLUG
STA: 203+26.66, -20.00 LT
INV OUT: 631.00

7 LF OF
6" HDPE @ -0.74%

14 LF OF
12" RCP @ -0.74%

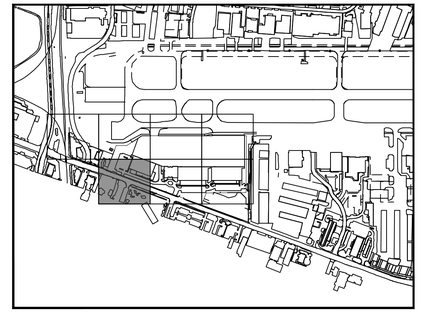
8 C12.14

178 LF OF 42" RCP @ 0.09%

204+00

STM-30
INLET
STA: 203+29.09
RIM: 634.00
42" INV IN: 628.62
12" INV IN: 630.90
48" INV OUT: 628.12

MATCHLINE SEE SHEET C12.06



KEY PLAN

NORTH

NOTE

1. AIRCRAFT RATED STRUCTURES SHALL BE CAPABLE OF SUPPORTING A MINIMUM OF 100,000 LBS.
2. SEE MEP FOR ROOF DRAIN CONNECTIONS.
3. SEE DETAIL 2 ON SHEET C12.10 FOR STORM DRAIN PIPE BEDDING.
4. UTILITY CROSSINGS ARE TO BE CONCRETE ENCASED AT ALL TIMES IN ORDER TO PROTECT AGAINST WEIGHT AND FUTURE SETTLING.
5. STORM DRAIN PIPE WITHIN AIRSIDE MUST BE CLASS V.
6. ALL HDPE STORM PIPES CONNECTED TO ROOF DRAINS ARE CONSIDERED PRIVATE AND WILL NOT BE MAINTAINED BY THE TOWN OF ADDISON.
7. STORM DRAIN INLETS WITHIN THE LANDSIDE AREA WILL BE FOUR GRATE INLET DETAIL SD-D32.

THIS PLAN CONFORMS WITH DESIGN STANDARDS INCLUDED IN THE TOWN OF ADDISON TRANSPORTATION PLAN, WATER SYSTEM REQUIREMENTS, WASTE WATER SYSTEM REQUIREMENTS, AND DRAINAGE CRITERIA MANUAL.

FLOOD PLAIN NOTE:
NO FLOODPLAIN EXISTS ONSITE PER FEMA FIRM 48113C0180K, DATEd 07/07/2014. THIS SITE IS LOCATED IN UNSHADED ZONE X, AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANGE FLOOD PLAIN.

LEGEND

- TRENCH DRAIN
- DRAINAGE INLET
- DRAINAGE MANHOLE

GRAPHIC SCALE IN FEET
0 10 20 40

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-4488 FAX: 281-419-4495
TBPE FIRM REGISTRATION #
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
PROFESSIONAL ENGINEER
01/08/20

KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

STORM DRAINAGE PLAN SD-2 AND 3

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C12.05

Plotted By:Acevedo, Eiloth Sheet Set:Kha Layout:C12.05 January 09, 2020 06:27:31am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C12.00 DRAINAGE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

MATCHLINE SEE SHEET C12.03

MATCHLINE SEE SHEET C12.05

MATCHLINE SEE SHEET C12.07

SD-4
STA: 402+00
N: 7037421.47
E: 2480793.06

402+00

COUP-1
STA: 401+33.86, 37.39 RT, SD-4
RIM: 632.75
INV IN: 631.68
INV OUT: 631.52

BEND-10
45° BEND
STA: 401+11.77, 5.37 RT
INV IN: 630.93
INV OUT: 630.93

12" RCP @ 1.50%

38 LF OF

RD-8
6" PLUG
STA: 401+45.84, 54.77 RT
INV OUT: 632.00

21 LF OF
8" HDPE @ 1.50%

23 LF OF
12" RCP @ 1.50%

FBO
15601

HANGAR II
15625

STM-35
INLET
STA: 400+89.45
RIM: 633.70
6" INV IN: 630.82
12" INV IN: 630.59
18" INV OUT: 630.31

400+00

36 LF OF
6" HDPE @ 0.50%

8
C12.14

RD-7
6" PLUG
STA: 400+95.42, -35.81 LT
INV OUT: 631.00

66 LF OF 18" RCP @ 0.30%

STM-28
INLET
STA: 400+23
RIM: 633.91
18" INV IN: 630.11
18" INV OUT: 630.11

RD-9
6" PLUG
STA: ???, ??? ???
INV OUT: 632.00

24 LF OF
6" HDPE @ 0.50%

5 LF OF
6" HDPE @ 2.46%

RD-10
6" PLUG
STA: 501+20.07, -25.42 LT
INV OUT: 632.00

BEND-9
45° WYE
STA: 501+15.51, -23.55 LT
INV IN: 631.88
INV IN: 631.88
INV OUT: 631.80

SD-5
STA: ???
N: 7037682.61
E: 2480867.45

501+25

26 LF OF
8" HDPE @ 0.50%

8
C12.14

501+00

STM-42
STA: 501+03.76, -0.71 LT, SD-5
RIM: 636.45
INV IN: 631.67
INV OUT: 631.33

STM-27
INLET
STA: 500+22.31
RIM: 634.53
12" INV IN: 630.95
18" INV OUT: 630.62

8
C12.14

23 LF OF
18" RCP @ 0.30%

8
C12.14

SD-4

205+98

81 LF OF 12" RCP @ 0.47%

RD-11
6" PLUG
STA: 208+13.23, -39.00 LT
INV OUT: 633.25

31 LF OF
8" HDPE @ 2.75%

BEND-20
45° BEND
STA: 207+90.34, -16.72 LT
INV IN: 632.39
INV OUT: 632.39

STM-24
INLET
STA: 209+07.98
RIM: 635.30
36" INV IN: 629.94
36" INV OUT: 629.84

STM-29
STM SWR MH
STA: 205+06.64
RIM: 636.00
18" INV IN: 630.04
42" INV IN: 628.88
42" INV OUT: 628.78

399+75

3
C12.14

101 LF OF 42" RCP @ 0.10%

SD-2

SD-5

206+00

20 LF OF
18" RCP @ 0.36%

2 LF OF
8" HDPE @ 2.75%

14 LF OF
12" RCP @ 2.75%

COUP-3
RCP TO HDPE COUPLER CONNECTION
STA: 207+90.44, -14.26 LT
INV IN: 632.32
INV OUT: 632.15

207+00

42" RCP @ 0.09%

208+00

209+00

184 LF OF

117 LF OF 36" RCP @ 0.09%

SD-4
STA: 399+75
N: 7037513.28
E: 2480991.87

STM-26
MANHOLE
STA: 206+07.24
RIM: 636.37
42" INV IN: 629.07
18" INV IN: 630.54
42" INV OUT: 628.98

499+77

SD-2
STA: 206+07.24
N: 7037614.30
E: 2480965.44

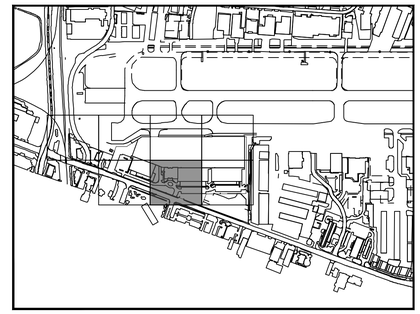
SD-5
STA: 499+76.97
N: 7037614.66
E: 2480990.44

SD-2
STA: 207+90.98
N: 7037788.02
E: 2480905.58

STM-25
INLET
STA: 207+90.98
RIM: 635.30
36" INV IN: 629.73
12" INV IN: 631.76
42" INV OUT: 629.23

SD-2
STA: 209+08
N: 7037897.16
E: 2480863.35

ADDISON ROAD



KEY PLAN

NORTH

NOTE

1. AIRCRAFT RATED STRUCTURES SHALL BE CAPABLE OF SUPPORTING A MINIMUM OF 100,000 LBS.
2. SEE MEP FOR ROOF DRAIN CONNECTIONS.
3. SEE DETAIL 2 ON SHEET C12.10 FOR STORM DRAIN PIPE BEDDING.
4. UTILITY CROSSINGS ARE TO BE CONCRETE ENCASED AT ALL TIMES IN ORDER TO PROTECT AGAINST WEIGHT AND FUTURE SETTLING.
5. STORM DRAIN PIPE WITHIN AIRSIDE MUST BE CLASS V.
6. ALL HDPE STORM PIPES CONNECTED TO ROOF DRAINS ARE CONSIDERED PRIVATE AND WILL NOT BE MAINTAINED BY THE TOWN OF ADDISON.
7. STORM DRAIN INLETS WITHIN THE LANDSIDE AREA WILL BE FOUR GRATE INLET DETAIL SD-D32.

THIS PLAN CONFORMS WITH DESIGN STANDARDS INCLUDED IN THE TOWN OF ADDISON TRANSPORTATION PLAN, WATER SYSTEM REQUIREMENTS, WASTE WATER SYSTEM REQUIREMENTS, AND DRAINAGE CRITERIA MANUAL.

FLOOD PLAIN NOTE:
NO FLOODPLAIN EXISTS ONSITE PER FEMA FIRM 48113C0180K, DATEd 07/07/2014. THIS SITE IS LOCATED IN UNSHADED ZONE X, AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANGE FLOOD PLAIN.

LEGEND

- TRENCH DRAIN
- DRAINAGE INLET
- DRAINAGE MANHOLE

GRAPHIC SCALE IN FEET
0 10 20 40

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-1456
TBPE FIRM REGISTRATION #
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
PROFESSIONAL ENGINEER
01/08/20

KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

STORM DRAINAGE PLAN SD-2, 4, AND 5

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C12.06

Plotted By:Acevedo, Eliott Sheet Set:Kha Layout:C12.06 January 09, 2020 06:27:56am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C12.00 DRAINAGE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

MATCHLINE SEE SHEET C12.04

MATCHLINE SEE SHEET C12.06

SD-6
STA: 602+50
N: 7037897.97
E: 2480592.62

602+50

602+00

RD-12
6" PLUG
STA: 602+04.37, 7.25 RT
INV OUT: 633.25

43 LF OF
8" HDPE @ 1.74%

STM-22
INLET
STA: 601+62.04
RIM: 636.11
8" INV IN: 632.50
24" INV OUT: 631.18

8
C12.14

SD-6

601+00

162 LF OF 24" RCP @ 0.30%

HANGAR III
15675

RD-18
8" PLUG
STA: 901+87.76, 11.83 RT
INV OUT: 633.00

10 LF OF
8" HDPE @ 0.50%

SD-8
STA: 902+00
N: 7038215.93
E: 2480506.08

3 LF OF
8" HDPE @ 0.50%

5 LF OF
8" HDPE @ 0.50%

902+00

RD-17
8" PLUG
STA: 901+87.76, -6.98 LT
INV OUT: 634.50

10 LF OF
8" HDPE @ 16.07%

BEND-5
45° WYE
STA: 901+80.78, 0.00 LT
INV IN: 632.91
INV IN: 632.91
INV OUT: 632.83

RD-16
8" PLUG
STA: 213+28.30, -154.53 LT
INV OUT: 634.50

33 LF OF
10" HDPE @ 0.50%

10 LF OF
8" HDPE @ 1.18%

12 LF OF
10" HDPE @ 0.50%

BEND-4
45° WYE
STA: 901+47.49, 0.00 LT
INV IN: 632.66
INV IN: 634.38
INV OUT: 632.66

STM-41
INLET
STA: 901+35.15
RIM: 636.40
10" INV IN: 632.60
18" INV OUT: 632.60

RD-15
8" PLUG
STA: 901+12.90, -7.04 LT
INV OUT: 634.49

SD-8

29 LF OF
18" HDPE @ 0.50%

10 LF OF
8" HDPE @ 1.07%

BEND-3
45° WYE
STA: 901+05.86, 0.00 LT
INV IN: 632.45
INV IN: 634.38
INV OUT: 632.45

901+00

38 LF OF
18" HDPE @ 0.50%

RD-14
8" PLUG
STA: 900+74.53, -7.05 LT
INV OUT: 634.70

10 LF OF
8" HDPE @ 3.35%

BEND-1
45° WYE
STA: 900+67.48, 0.00
INV IN: 632.26
INV IN: 634.37
INV OUT: 632.26

53 LF OF
18" HDPE @ 0.50%

24 LF OF
8" HDPE @ 1.76%

BEND-8
45° BEND
STA: 211+29.76, -21.83 LT
INV IN: 633.32
INV OUT: 633.32

RD-13
6" PLUG
STA: 211+46.92, -39.00 LT
INV OUT: 633.75

6 LF OF
8" HDPE @ 1.76%

COUP-2
RCP TO HDPE COUPLER
CONNECTION
STA: 211+29.76, -15.65 LT
INV IN: 633.21
INV OUT: 633.05

STM-21
INLET
STA: 211+29.76
RIM: 636.11
30" INV IN: 630.84
12" INV IN: 632.77
36" INV OUT: 630.34

STM-20
INLET
STA: 212+55.76
RIM: 636.11
18" INV IN: 631.23
30" INV OUT: 630.95

COUP-5
RCP TO HDPE COUPLER
CONNECTION
STA: 900+14.85, 0.00
INV IN: 632.00
INV OUT: 632.00

SD-7
STA: 700+50
N: 7037948.53
E: 2480814.95

STM-23
INLET
STA: 600+00
RIM: 635.76
36" INV IN: 630.23
24" INV IN: 630.69
36" INV OUT: 630.13

STM-38
18" X 36" WYE CONNECTION
STA: 209+69.62
36" INV IN: 630.05
18" INV IN: 630.41
36" INV OUT: 630.05

700+50

8
C12.14

16 LF OF
12" RCP @ 1.76%

212+00

SD- 2

213+00

15 LF OF
18" RCP @ 0.50%

213+50

211+00

900+00

SD-2

36" RCP @ 0.18%

10+00

600+00

116 LF OF 36" RCP @ 0.09%

SD-2
STA: 211+29.76
N: 7038096.38
E: 2480766.80

126 LF OF 30" RCP @ 0.09%

80 LF OF 18" RCP @ 0.49%

STM-40
JUNCTION BOX
STA: 213+35.35
RIM: 636.99
18" INV IN: 631.92
18" INV OUT: 631.62

899+75

62 LF OF 36" RCP @ 0.18%

44 LF OF

20 LF OF
18" RCP @ 0.47%

6 LF OF
18" RCP @ 0.47%

700+00

SD-7

SD-2
STA: 210+14.22
N: 7037995.36
E: 2480822.87

SD-8
STA: 899+75
N: 7038297.14
E: 2480715.92

SD-2
STA: 213+50
N: 7038301.78
E: 2480687.31

BEND-21
BEND
STA: 209+73.99
RIM: 632.24
18" INV IN: 630.44
18" INV OUT: 630.44

SD-7
STA: 699+75
N: 7037977.11
E: 2480884.29

699+75

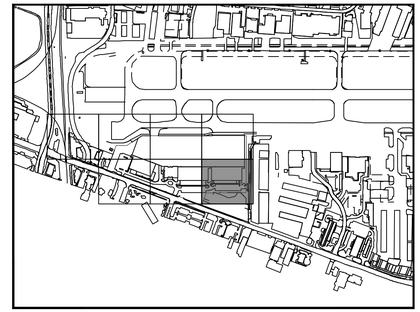
599+50

STM-39
INLET
STA: 700+00,0.00
RIM: 637.26
18" INV IN: 633.00
18" INV OUT: 630.53

SD-6
STA: 599+50
N: 7038014.83
E: 2480868.92

EX. STORM SEWER PIPE

EX. STORM SEWER PIPE



KEY PLAN

NORTH

NOTE

1. AIRCRAFT RATED STRUCTURES SHALL BE CAPABLE OF SUPPORTING A MINIMUM OF 100,000 LBS.
2. SEE MEP FOR ROOF DRAIN CONNECTIONS.
3. SEE DETAIL 2 ON SHEET C12.10 FOR STORM DRAIN PIPE BEDDING.
4. UTILITY CROSSINGS ARE TO BE CONCRETE ENCASED AT ALL TIMES IN ORDER TO PROTECT AGAINST WEIGHT AND FUTURE SETTLING.
5. STORM DRAIN PIPE WITHIN AIRSIDE MUST BE CLASS V.
6. ALL HDPE STORM PIPES CONNECTED TO ROOF DRAINS ARE CONSIDERED PRIVATE AND WILL NOT BE MAINTAINED BY THE TOWN OF ADDISON.
7. STORM DRAIN INLETS WITHIN THE LANDSIDE AREA WILL BE FOUR GRATE INLET DETAIL SD-D32.

THIS PLAN CONFORMS WITH DESIGN STANDARDS INCLUDED IN THE TOWN OF ADDISON TRANSPORTATION PLAN, WATER SYSTEM REQUIREMENTS, WASTE WATER SYSTEM REQUIREMENTS, AND DRAINAGE CRITERIA MANUAL.

FLOOD PLAIN NOTE:
NO FLOODPLAIN EXISTS ONSITE PER FEMA FIRM 48113C0180K, DATEd 07/07/2014. THIS SITE IS LOCATED IN UNSHADED ZONE X, AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANGE FLOOD PLAIN.

LEGEND

TRENCH DRAIN

DRAINAGE INLET

DRAINAGE MANHOLE

GRAPHIC SCALE IN FEET
0 10 20 40

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 832-823-4455
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
PROFESSIONAL ENGINEER
01/08/20

KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

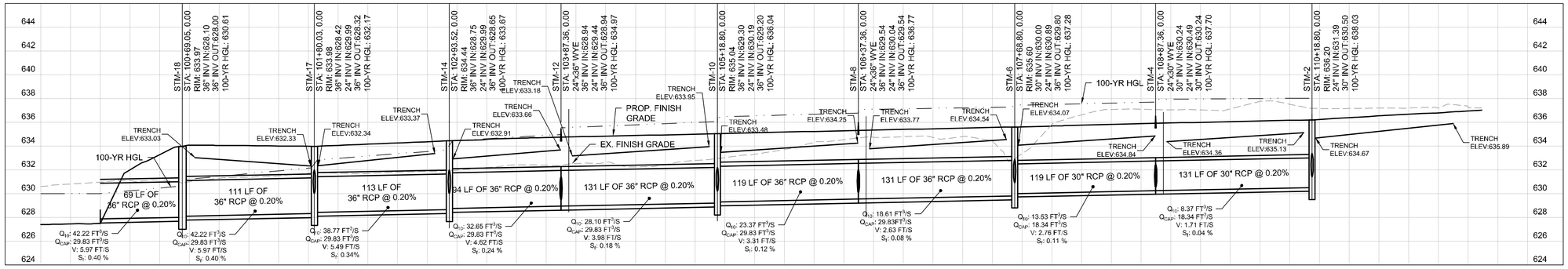
STORM DRAINAGE PLAN SD-2 AND 6

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
ADDISON DALLAS, TEXAS

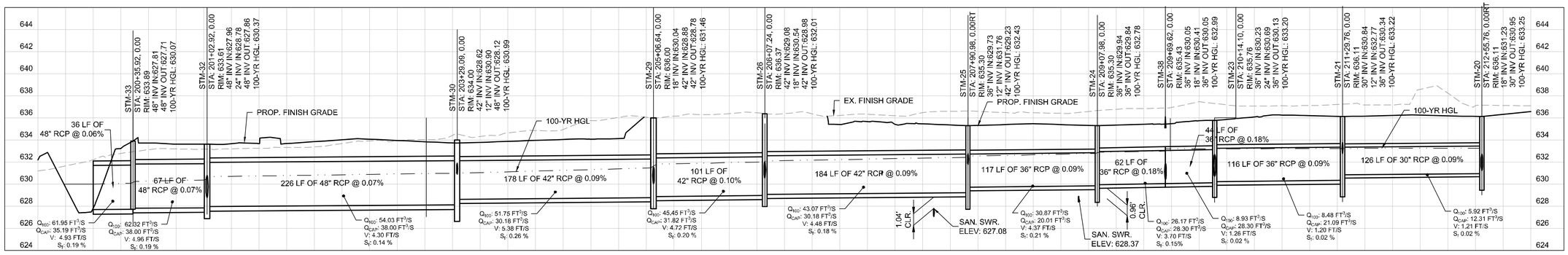
SHEET NUMBER
C12.07

Plotted By:Aceveds, Eliotn Sheet Set:Kha Layout:C12.07 January 09, 2020 06:28:17pm K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C12.00 DRAINAGE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

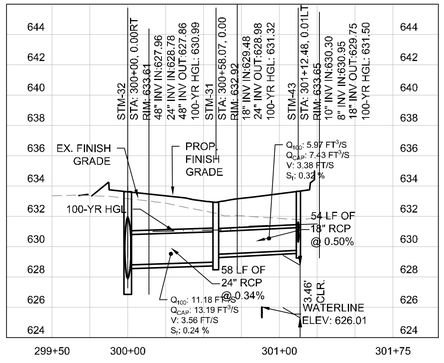
SD-1



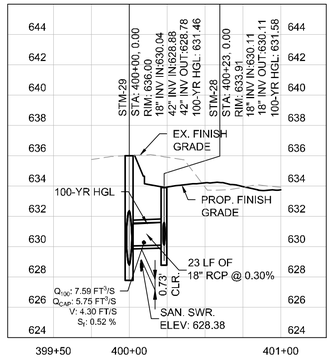
SD-2



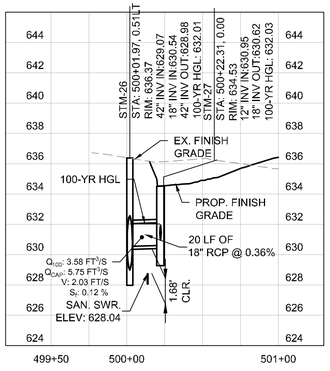
SD-3



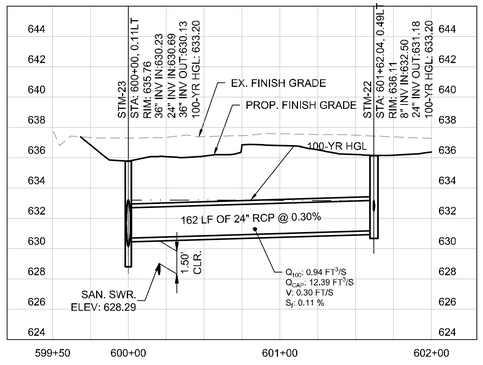
SD-4



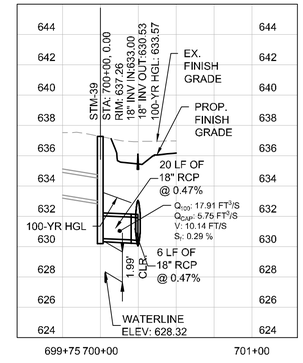
SD-5



SD-6



SD-7



NOTE:

1. ALL RCP PIPES FOR SD-1 MUST BE CLASS V.
2. CONCRETE ENCASE ALL UTILITY CROSSING AT ALL TIMES TO PROTECT AGAINST WEIGHT AND FUTURE SETTLING.

GRAPHIC SCALE IN FEET
0 25 50 100 HORIZONTAL
0 2.5 5 10 VERTICAL

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-1888
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

JOSEPH J. MALO
80953
LICENSED PROFESSIONAL ENGINEER
01/08/20

KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

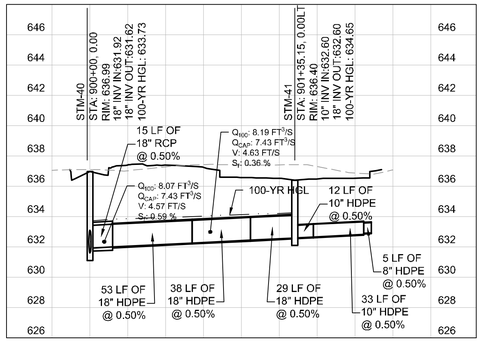
STORM DRAINAGE PROFILES SHEET

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

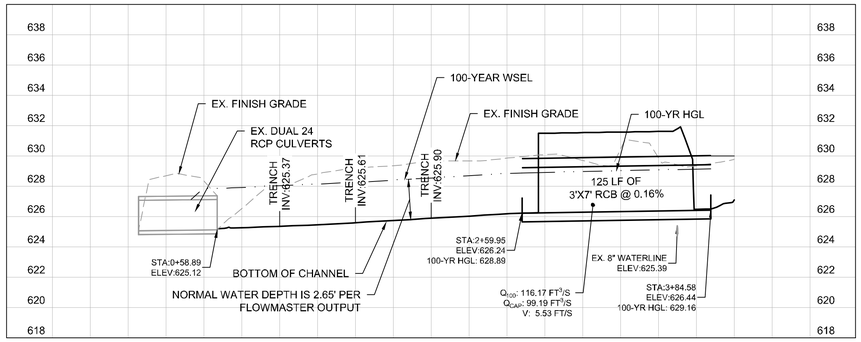
SHEET NUMBER
C12.08

Plotted By:Acevedo, Elioth Sheet Set:Kha Layout:C12.08 January 09, 2020 06:28:37am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\CADD\dwg\Sheets\C12.00 DRAINAGE PROFILES.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

SD-8



SD-OUTFALL



NOTE:

1. ALL RCP PIPES FOR SD-1 MUST BE CLASS V.
2. CONCRETE ENCASE ALL UTILITY CROSSING AT ALL TIMES TO PROTECT AGAINST WEIGHT AND FUTURE SETTLING.

GRAPHIC SCALE IN FEET
0 25 50 100
HORIZONTAL
0 2.5 5 10
VERTICAL

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-4488 FAX: 281-419-4628
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
PROFESSIONAL ENGINEER
01/08/20

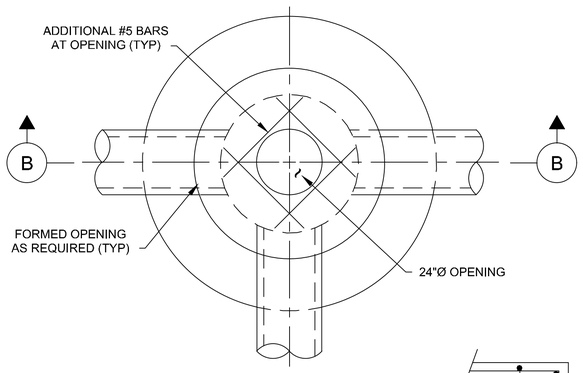
KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

STORM DRAINAGE PROFILES SHEET

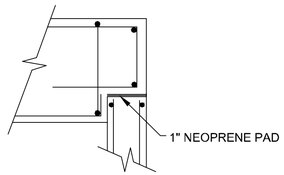
ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C12.09

Plotted By:Acevedo, Elioth Sheet Set:Kha Layout:C12.09 January 09, 2020 06:28:42am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C12.00 DRAINAGE PROFILES.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

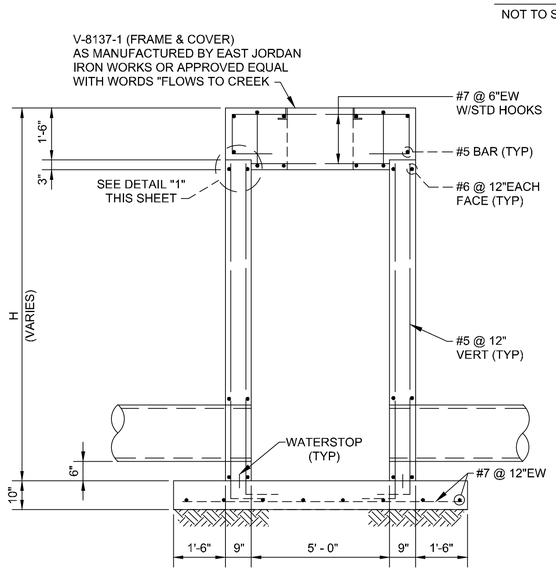


PLAN VIEW



DETAIL "1"
NOT TO SCALE

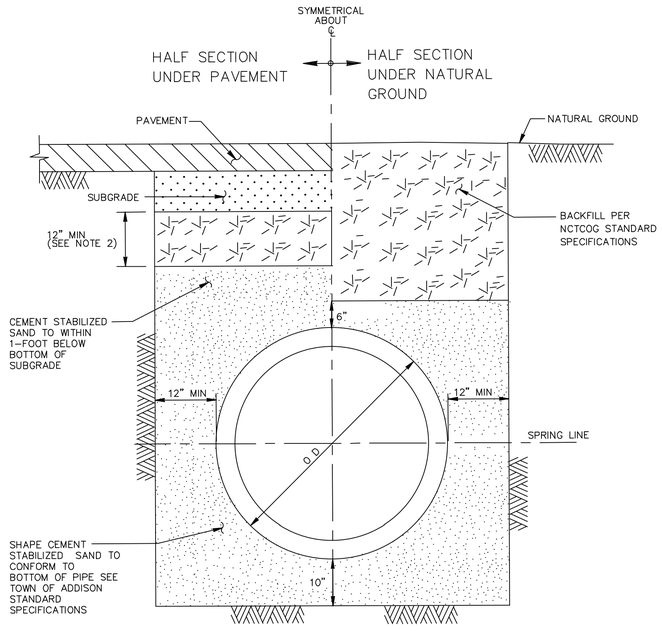
V-8137-1 (FRAME & COVER)
AS MANUFACTURED BY EAST JORDAN
IRON WORKS OR APPROVED EQUAL
WITH WORDS "FLOWS TO CREEK



SECTION B-B

* CAPABLE OF SUPPORTING
100,000 LBS LOADING

AIRCRAFT RATED STORM SEWER
MANHOLE - TYPE "S2"
NOT TO SCALE



NOTES:

1. THE METHOD OF INSTALLING CONCRETE PIPE STORM SEWERS SHOWN HEREON TO BE USED ONLY WHERE SOIL CONDITIONS ARE SATISFACTORY. FOR ALL OTHER SOIL CONDITIONS USE RCP INSTALLED PER COH STANDARD DETAIL MRC CONSTRUCTION PER CITY APPROVED SPECIAL DESIGN AS SHOWN ON DRAWINGS.
2. SELECT BACKFILL FOR RIGID PAVEMENT; FLEXIBLE BASE MATERIAL FOR ASPHALT PAVEMENT.

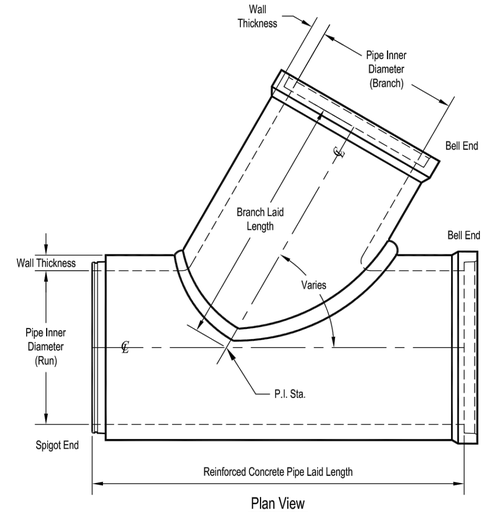
STORM SEWER BEDDING AND BACKFILL FOR
24" TO 42" DIAMETER RCP WHERE
SATISFACTORY SOIL CONDITIONS EXIST
NOT TO SCALE

Rinker MATERIALS

Concrete Pipe Division

(OR APPROVED EQUAL)

Reinforced Concrete Wye



Plan View

Notes:

1. Produced to meet ASTM specifications.
2. Contact a Concrete Pipe Division representative for details not listed on this sheet.

Rinker 021

RCP WYE CONNECTION
NOT TO SCALE

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn

© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 832-823-4700 FAX:
TBPE FIRM REGISTRATION #
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
LICENSED
PROFESSIONAL ENGINEER

01/08/20

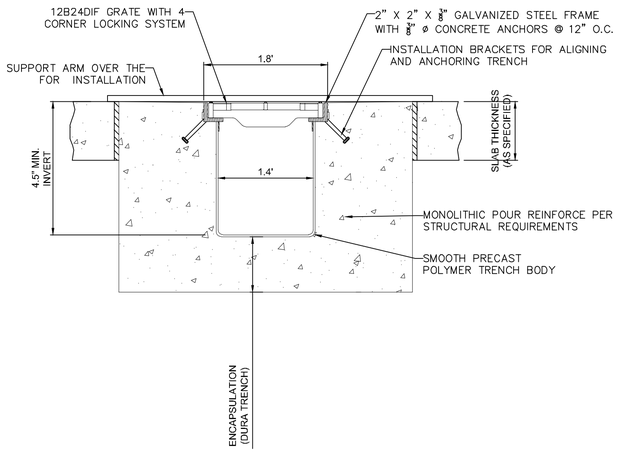
KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

STORM DRAINAGE DETAILS

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C12.10

Plotted By:Acevedo, Eliath Sheet Set:Kha Layout:C12.10 January 09, 2020 06:29:05pm K:\WDL_Aviation\067792503 — Addison Galaxy FBO\ACAD\dwg\Sheets\C12.00 DRAINAGE DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

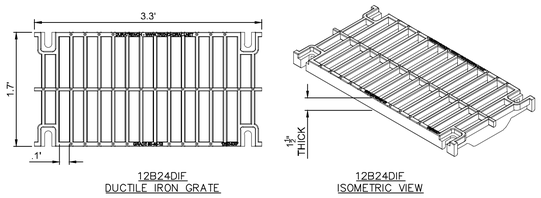


NOTES:
1. MUST BE CAPABLE TO SUPPORT 100,000 LBS LOADING
2. STANDARD SLOPE IS 0.5% UNLESS OTHERWISE SPECIFIED
3. REINFORCE ACCORDING TO STRUCTURAL REQUIREMENTS
4. TRENCH DRAIN MUST BE ⅛" BELOW FINISHED CONCRETE GRADE
5. DURA-TRENCH OR APPROVED EQUAL

TYPICAL DTPF10-EXGS15TEA SQUARE TRENCH SECTION

NOT TO SCALE

1



12B24DIF DUCTILE IRON GRATE

12B24DIF ISOMETRIC VIEW

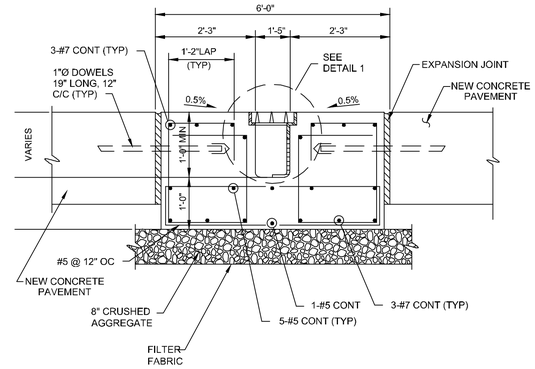
NOTES:

1. GRATE MATERIAL IS CAST DUCTILE IRON, GRADE 60-45-12
2. MEETS FAA AC: 150/5320-5B & 6E LOADING REQUIREMENTS
3. GRATES ARE MADE IN THE USA
4. GRATES BOLT DOWN AT ALL 4 CORNERS W/ ½" Ø S.S BOLTS
5. GRATES ARE UNCOATED, AS CAST FINISH
6. GRATE OPEN AREA 84.67 IN.²/LF
7. TRENCH SHALL BE CAPABLE OF SUPPORTING 100,000 LBS LOAD

TRENCH DRAIN GRATE

NOT TO SCALE

2

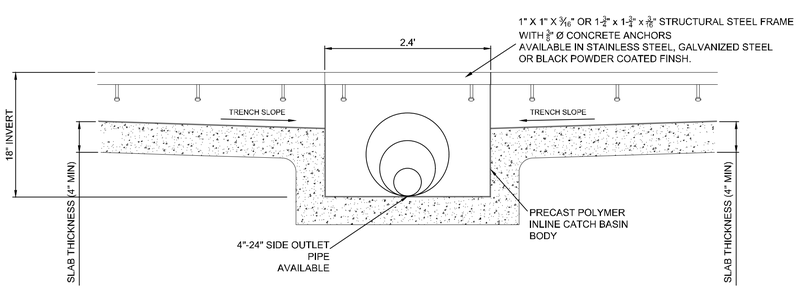


1.4' TRENCH DRAIN

TYPICAL CROSS SECTION

NTS

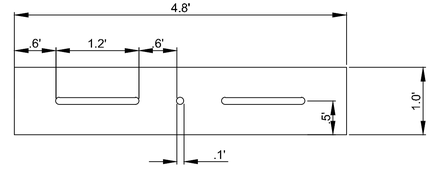
3



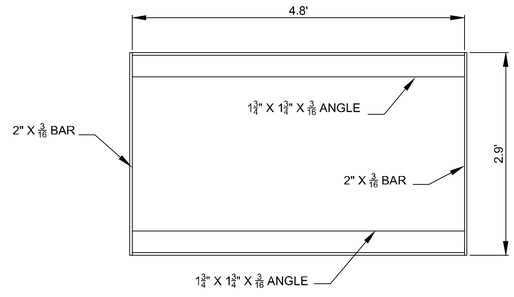
TYPICAL DTCBPF10-EXGS CATCH BASIN SECTION

NOT TO SCALE

4



GRATE DETAIL



12" X 24" CATCH BASIN FRAME

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-4700
TBPE FIRM REGISTRATION #
WWW.KIMLEY-HORN.COM

JOSEPH J. MALO
80953
LICENSED PROFESSIONAL ENGINEER
STATE OF TEXAS
01/08/20

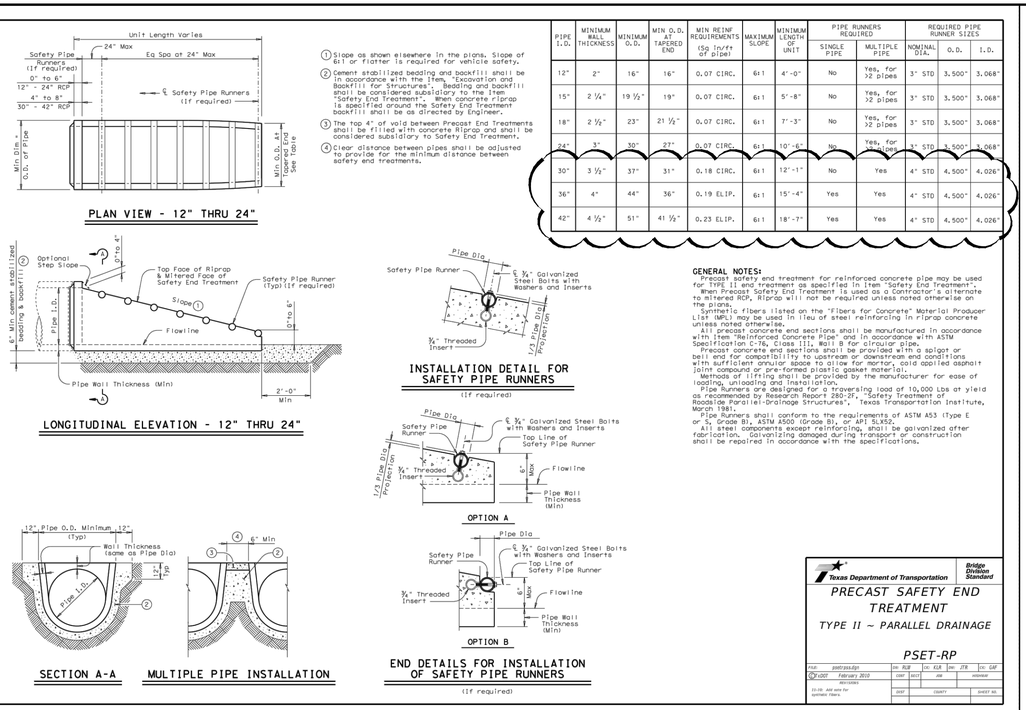
KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

STORM DRAINAGE DETAILS

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
ADDISON DALLAS, TEXAS

SHEET NUMBER
C12.11

Plotted By:Acevedo, Elioth Sheet Set:Kha Layout:C12.11 January 09, 2020 08:29:07am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C12.00 DRAINAGE DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



PIPE I.D.	MINIMUM WALL THICKNESS	MINIMUM O.D.	MIN. O.D. AT TAPERED END	MIN REINF REQUIREMENTS 15g (in²/ft of pipe)	MAXIMUM SLOPE	MINIMUM LENGTH OF UNIT	PIPE RUNNERS REQUIRED SINGLE PIPE	PIPE RUNNERS REQUIRED MULTIPLE PIPE	REQUIRED PIPE RUNNER SIZES NOMINAL DIA.	O.D.	I.D.
12"	2"	16"	16"	0.07 CIRC.	6:1	4'-0"	No	Yes, for >2 pipes	3" STD	3.500"	3.068"
15"	2 ¼"	19 ½"	19"	0.07 CIRC.	6:1	5'-8"	No	Yes, for >2 pipes	3" STD	3.500"	3.068"
18"	2 ½"	23"	21 ½"	0.07 CIRC.	6:1	7'-3"	No	Yes, for >2 pipes	3" STD	3.500"	3.068"
24"	3"	30"	27"	0.07 CIRC.	6:1	10'-6"	No	Yes, for >2 pipes	3" STD	3.500"	3.068"
30"	3 ½"	37"	31"	0.18 CIRC.	6:1	12'-1"	No	Yes	4" STD	4.500"	4.026"
36"	4"	44"	36"	0.19 ELIP.	6:1	15'-4"	Yes	Yes	4" STD	4.500"	4.026"
42"	4 ½"	51"	41 ½"	0.23 ELIP.	6:1	18'-7"	Yes	Yes	4" STD	4.500"	4.026"

1. Slope as shown elsewhere in the plans. Slope of 6:1 or flatter is required for vehicle safety.
2. Cement stabilized bedding and backfill shall be in accordance with the Item, "Excavation and Backfill for Structures". Bedding and backfill shall be considered subsidiary to the item "Safety End Treatment". When concrete riprap is specified around the Safety End Treatment backfill shall be as directed by Engineer.
3. The top 4" of void between Precast End Treatments shall be filled with concrete Riprap and shall be considered subsidiary to Safety End Treatment.
4. Clear distance between pipes shall be adjusted to provide for the minimum distance between safety end treatments.

GENERAL NOTES:

Precast safety end treatment for reinforced concrete pipe may be used for TYPE II end treatment as specified in Item "Safety End Treatment".

When Precast Safety End Treatment is used as a Contractor's alternate to altered RCP, Riprap will not be required unless noted otherwise on the plans.

Synthetic fibers listed on the "Fibers for Concrete" Material Producer List (MPL) may be used in lieu of steel reinforcing in riprap concrete unless noted otherwise.

All precast concrete end sections shall be manufactured in accordance with ASTM C76 Specification for Class III Wall B for circumferential with ASTM Specification C-76, Class III Wall B for elliptical pipe.

Precast concrete end sections shall be provided with a spigot or bell end for compatibility to upstream or downstream end conditions with sufficient annular space to allow for mortar, cold applied asphalt joint compound or pre-formed plastic gasket material.

Methods of lifting shall be provided by the manufacturer for ease of loading, unloading and installation.

Pipe Runners are designed for a traversing load of 10,000 Lbs at yield as recommended by Research Report 280-2F, "Safety Treatment of Roadside Parallel-Drainage Structures", Texas Transportation Institute, March 1981.

Pipe Runners shall conform to the requirements of ASTM 453 (Type E or S, Grade B), ASTM A500 (Grade B), or API 5L X52.

All steel components except reinforcing, shall be galvanized after fabrication. Galvanizing damaged during transport or construction shall be repaired in accordance with the specifications.

Texas Department of Transportation — Bridge Division Standard

PRECAST SAFETY END TREATMENT

TYPE II ~ PARALLEL DRAINAGE

PSET-RP

FILE: psetrp-II.dgn	DN: RLW	CK: KLK	DW: JTK	CK: GAF
©TxDOT February 2010	CONT	SECT	JOB	HIGHWAY
REVISIONS				
01-08 Add note for synthetic fibers.	DIST	COUNTY		SHEET NO.

DATE: FILE:

DISCLAIMER: The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by the Texas Department of Transportation for any purpose whatsoever. The Texas Department of Transportation assumes no responsibility and shall not be liable for any damages resulting from the reuse of this standard for other projects or any modifications to this standard.

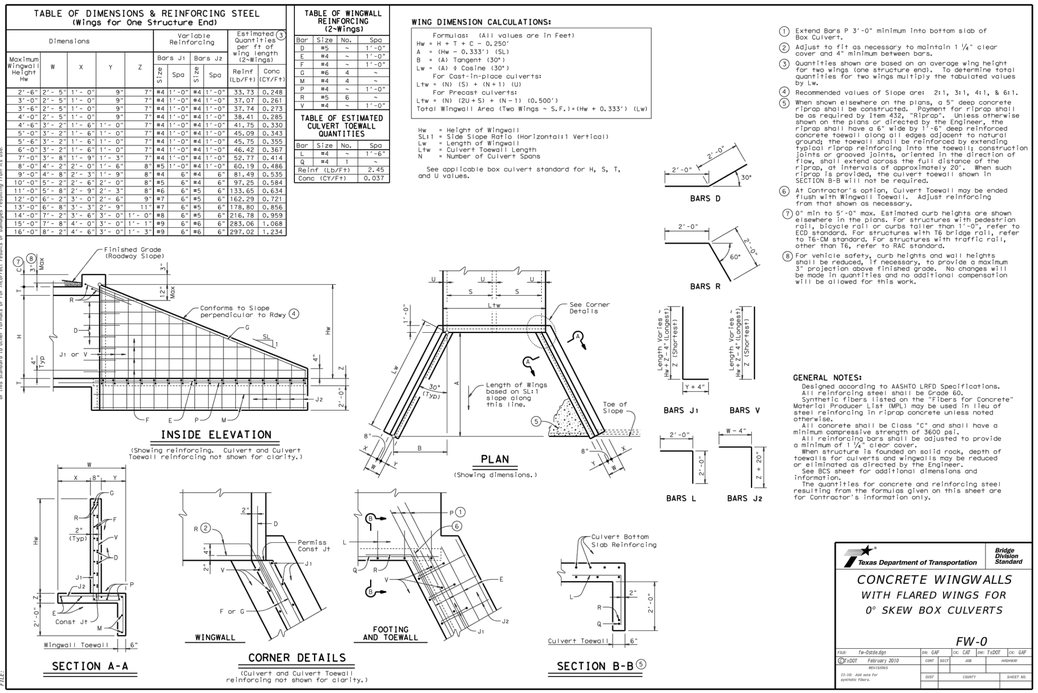


TABLE OF DIMENSIONS & REINFORCING STEEL
(Wings for One Structure End)

Maximum Wingwall Height Hw	Dimensions W	X	Y	Z	Variable Reinforcing Bars J1 Size	Bars J1 Spa	Bars J2 Size	Bars J2 Spa	Estimated Quantities per ft of wing length (2-Wings) Reinf (LB/FT)	Conc (CY/FT)
2'-6"	2'- 5"	1'- 0"	9"	7"	#4	1'-0"	#4	1'-0"	33.73	0.248
3'-0"	2'- 5"	1'- 0"	9"	7"	#4	1'-0"	#4	1'-0"	37.07	0.261
3'-6"	2'- 5"	1'- 0"	9"	7"	#4	1'-0"	#4	1'-0"	37.74	0.273
4'-0"	2'- 5"	1'- 0"	9"	9"	#4	1'-0"	#4	1'-0"	38.41	0.285
4'-6"	3'- 2"	1'- 6"	11'- 0"	7"	#4	1'-0"	#4	1'-0"	41.75	0.330
5'-0"	3'- 2"	1'- 6"	11'- 0"	7"	#4	1'-0"	#4	1'-0"	45.09	0.343
5'-6"	3'- 2"	1'- 6"	11'- 0"	7"	#4	1'-0"	#4	1'-0"	45.75	0.355
6'-0"	3'- 2"	1'- 6"	11'- 0"	7"	#4	1'-0"	#4	1'-0"	46.42	0.367
6'-6"	4'- 8"	2'- 1"	15'- 3"	7"	#4	1'-0"	#4	1'-0"	52.77	0.414
8'-0"	4'- 2"	2'- 0"	11'- 6"	8"	#5	1'-0"	#4	1'-0"	60.19	0.486
9'-0"	4'- 8"	2'- 1"	15'- 3"	8"	#4	6"	#4	6"	81.49	0.535
10'-0"	5'- 2"	2'- 6"	22'- 0"	8"	#5	6"	#4	6"	97.25	0.584
11'-0"	5'- 8"	2'- 9"	27'- 3"	8"	#6	6"	#5	6"	133.65	0.634
12'-0"	6'- 2"	3'- 0"	33'- 0"	9"	#7	6"	#5	6"	162.29	0.721
13'-0"	6'- 8"	3'- 3"	39'- 9"	11"	#7	6"	#5	6"	178.80	0.856
14'-0"	7'- 2"	3'- 6"	47'- 0"	11'- 0"	#8	6"	#5	6"	216.78	0.959
15'-0"	7'- 8"	4'- 0"	57'- 0"	11'- 1"	#9	6"	#6	6"	283.06	1.068
16'-0"	8'- 2"	4'- 6"	67'- 0"	11'- 3"	#9	6"	#6	6"	297.02	1.234

TABLE OF WINGWALL REINFORCING (2-Wings)

Bar	Size	No.	Spa
D	#5	~	1'-0"
E	#4	~	1'-0"
F	#4	~	1'-0"
G	#6	4	~
M	#4	4	~
P	#4	~	1'-0"
R	#5	6	~
T	#4	1	~

TABLE OF ESTIMATED CULVERT TOEWALL QUANTITIES

Bar	Size	No.	Spa
L	#4	~	1'-6"
Q	#4	1	~
Reinf (LB/FT)		2.45	
Conc (CY/FT)		0.037	

WING DIMENSION CALCULATIONS:

Formulas: (All values are in Feet)
Hw = H + T + C - 0.250'
A = (Hw - 0.333') (SL)
B = (A) Tangent (30°)
Lw = (A) ÷ Cosine (30°)
For Cast-in-place culverts:
Ltw = (N) (S) + (N+1) (U)
For Precast culverts:
Ltw = (N) (2b+S) + (N-1) (0.500')
Total Wingwall Area (Two Wings ~ S.F.)=(Hw + 0.333') (Lw)

Hw = Height of Wingwall
SL① = Side Slope Ratio (Horizontal:1 Vertical)
Lw = Length of Wingwall
Ltw = Culvert Toewall Length
N = Number of Culvert Spans

See applicable box culvert standard for H, S, T, and U values.

1. Extend Bars P 3'-0" minimum into bottom slab of Box Culvert.
2. Adjust to fit as necessary to maintain 1 ¼" clear cover and 4" minimum between bars.
3. Quantities shown are based on an average wing height for two wings (one structure end). To determine total quantities for two wings multiply the tabulated values by Lw.
4. Recommended values of Slope are: 2:1, 3:1, 4:1, & 6:1.
5. When shown elsewhere on the plans, a 5" deep concrete riprap shall be constructed. Payment for riprap shall be as required by Item 432, "Riprap". Unless otherwise shown on the plans or directed by the Engineer, the riprap shall have a 6" wide by 1'-6" deep reinforced concrete toewall along all edges adjacent to natural ground; the toewall shall be reinforced by extending typical riprap reinforcing into the toewalls; construction joints or grooved joints, oriented in the direction of flow, shall extend across the full distance of the riprap at intervals of approximately 20'. When such riprap is provided, the culvert toewall shown in SECTION B-B will not be required.
6. At Contractor's option, Culvert Toewall may be ended flush with Wingwall Toewall. Adjust reinforcing from that shown as necessary.
7. 0' min to 5'-0" max. Estimated curb heights are shown elsewhere in the plans. For structures with pedestrian rail, bicycle rail or curbs taller than 1'-0", refer to ECD standards. For structures with traffic rail, refer to T6-CM standards. For structures with traffic rail, other than T6, refer to RAC standard.
8. For vehicle safety, curb heights and wall heights shall be reduced, if necessary, to provide a maximum 3" projection above finished grade. No changes will be made in quantities and no additional compensation will be allowed for this work.

BARS D

BARS R

BARS J1

BARS V

BARS L

BARS J2

GENERAL NOTES:

Designed according to AASHTO LRFD Specifications.

All reinforcing steel shall be Grade 60.

Synthetic fibers listed on the "Fibers for Concrete" Material Producer List (MPL) may be used in lieu of steel reinforcing in riprap concrete unless noted otherwise.

All concrete shall be Class "C" and shall have a minimum compressive strength of 3600 psi.

All reinforcing bars shall be adjusted to provide a minimum of 1 ½" clear cover.

When structure is founded on solid rock, depth of toewalls for culverts and wingwalls may be reduced or eliminated as directed by the Engineer.

See BCS sheet for additional dimensions and information.

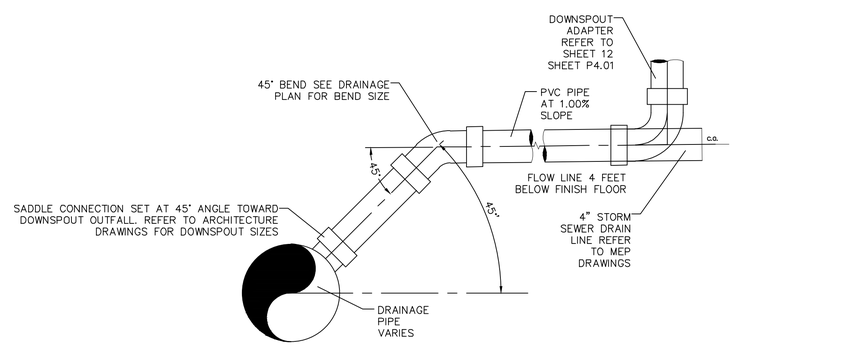
The quantities for concrete and reinforcing steel resulting from the formulas given on this sheet are for Contractor's information only.

Texas Department of Transportation — Bridge Division Standard

CONCRETE WINGWALLS WITH FLARED WINGS FOR 0° SKEW BOX CULVERTS

FW-0

FILE: fw-0-dd.dgn	DN: GAF	CK: CAT	DW: TxDOT	CK: GAF
©TxDOT February 2010	CONT	SECT	JOB	HIGHWAY
REVISIONS				
01-08 Add note for synthetic fibers.	DIST	COUNTY		SHEET NO.



* REFER TO MEP FOR ROOF DRAIN CONNECTIONS

BUILDING DRAIN CONNECTION DETAIL

NTS

BY	DATE	No.	REVISIONS
JM	09/10/2019	A	ADDENDUM #1
JM	10/24/2019	A	ADDENDUM #5
JM	12/11/2019	A	ADDENDUM #6
JM	01/08/2020	A	ADDENDUM #6

Kimley»Horn

© 2019 KIMLEY-HORN AND ASSOCIATES, INC.

1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-1888
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS — JOSEPH J. MALO — 80953 — LICENSED PROFESSIONAL ENGINEER

01/08/20

KHA PROJECT 067792503			
DATE 12/11/2019	SCALE	AS SHOWN	
	DESIGNED BY	HCV	
	DRAWN BY	EC	EAC
	CHECKED BY	HCV	

STORM DRAINAGE DETAILS

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C12.12

Plotted By:Acevedo, Eliath Sheet Set:Kha Layout:C12.12 January 09, 2020 06:29:11am K:\WDL_Aviation\067792503 - Addison Galaxy FBO\ACAD\dwg\Sheets\C12.00 DRAINAGE DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

MAX PIPE SIZE (IN)	CONTROL BASIN WIDTH A
30"	4'–0"
36"	5'–0"
48"	6'–0"
60"	7'–0"

MODEL NO.	TOTAL CAPACITY USGal	TREATMENT PERFORMANCE			
		FLOWRATE		SOLIDS	OIL
		GPM	CFS	FT^3	USGal
SWST–50	5,000	2,350	5.23	340	1,680

OTHER SIZES & CONFIGURATIONS ARE AVAILABLE

General Information

PARK StormTrooper® Interceptor

The StormTrooper stormwater interceptor is designed to receive & treat stormwater runoff on a gravity–flow and once–through basis.

Guaranteed Performance

Pre–engineered coalescing media packs are utilized for enhanced separation which provide SUPERIOR performance compared to other separators which utilize baffles or diverters.

Applications

The PARK StormTrooper® Interceptor is designed for stormwater runoff from commercial & industrial applications where excessive pollutants may harm the environment or damage sewer systems.

By–Pass Design

The unique design of the control basin allows for results an owner can clearly see. During a storm event, untreated stormwater enters the inlet compartment and is diverted to the interceptor for treatment. Clean stormwater can be witnessed in the effluent compartment after treatment.

Maintenance

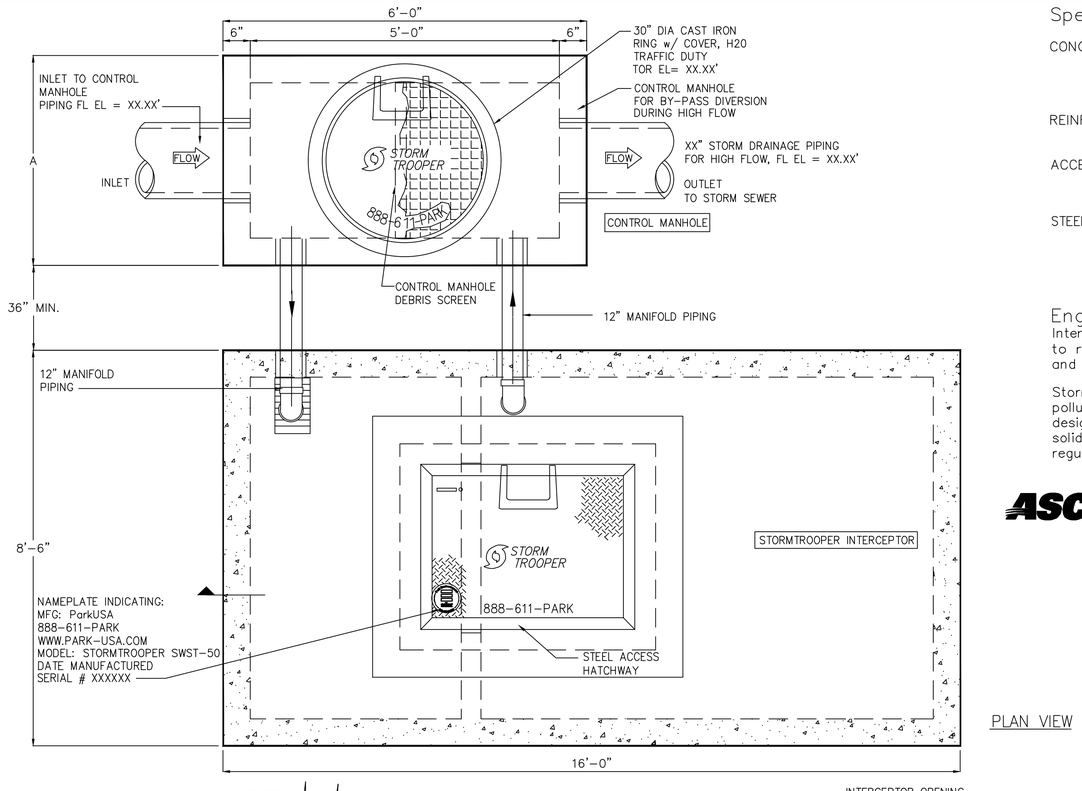
StormTrooper has become known in the industry as the "Easiest to Maintain." Hatchway design makes inspection and vault entry accessible for maintenance. All compartments allow for the larger hose associated with Vactor Truck pump out. Maintenance instructions and logs are available from Park Engineering.

Call Us

Contact Park Engineering for help sizing, SWQMPs and performance information.

APPLICATIONS

- ☐ *INDUSTRIAL*
- ☐ *COMMERCIAL*
- ☐ *RESIDENTIAL*
- ☐ *INSTITUTIONAL*
- ☐ *REDEVELOPMENT*
- ☐ *NPDES – MUNICIPAL/INDUSTRIAL*
- ☐ *BMP STRUCTURAL SOLUTION*



Specifications

CONCRETE : Class I/II concrete with design strength of 4500 PSI at 28 days. Unit is of monolithic construction at floor and first stage of wall with sectional riser to required depth.

REINFORCEMENT: Grade 60 reinforced with steel rebar conforming to ASTM A615 on required centers or equal.

ACCESS: Manhole frames, covers or grates are manufactured of grey cast iron conforming to ASTM A48–76 Class 30.

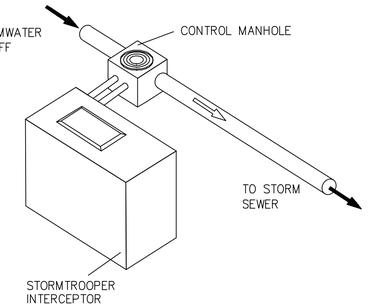
STEEL COVER: Galvanized steel skid–resistant single leaf H–20 loaded.

Engineering Data

Interceptor is structurally and hydraulically engineered conforming to regulatory standards. Nominal total liquid capacity and oil holding capacity as indicated.

Stormwater interceptors are utilized to reduce non–point source pollution associated with oil and sediment. The interceptor is designed to allow for the detainment of settlable & floatable solids & liquids. The interceptor should be inspected on a regular basis to determine proper operation and cleaning.

ASCE · NPCA CERTIFIED PLANT · AMERICAN SOCIETY OF CIVIL ENGINEERS · ASPE MEMBER · ASTM C–913



© Park 2016

Storm® Trooper
Stormwater Treatment System Patent No: 7,470,361

STORMWATER INTERCEPTOR
STORMTROOPER MODEL SWST–50

888.611.PARK
www.park-usa.com
PARK USA
DESIGN FOR WATER

PM	DRN	ENG	DWG. NO.	REV.
A	A	A	SWST–50	A
DATE 05/16				

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn

© 2019 KIMLEY–HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281–419–1488
TBPE FIRM REGISTRATION #: F–928
WWW.KIMLEY–HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
LICENSED PROFESSIONAL ENGINEER
01/08/20

KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

STORM DRAINAGE DETAILS

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
ADDISON, DALLAS, TEXAS

SHEET NUMBER
C12.13

Plotted By:Acevedo, Elioth Sheet Set:Kha Layout:C12.13 January 09, 2020 06:29:12pm K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C12.00 DRAINAGE DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley–Horn and Associates, Inc. shall be without liability to Kimley–Horn and Associates, Inc.

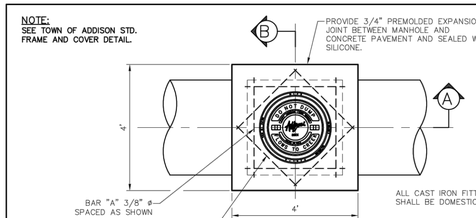
STORM SEWER – GENERAL NOTES:

1. ALL CONCRETE DRAINAGE STRUCTURES SHALL BE CLASS C CONCRETE MINIMUM.
2. ALL CRUSHED STONE SHALL BE 3/4", PASSING #4 SIEVE (GRADE 4).
3. ALL FIELD JOINTS WILL BE APPROVED BY THE TOWN ENGINEER IF NECESSARY. FIELD JOINTS SHALL BE WIPED ON THE INSIDE AND OUTSIDE TO PROVIDE FOR SMOOTH FLOW OF WATER.
4. RAMNECK COMPOUND OR APPROVED EQUAL SHALL BE USED FOR JOINT SEALS.
5. ALL STORM SEWER PIPE SHALL BE CAMERA INSPECTED AFTER THE INSTALLATION OF ALL PAVING AND UTILITIES AND PRIOR TO FINAL ACCEPTANCE OF THE PROJECT.

PUBLIC WORKS DEPARTMENT | STORM SEWER GENERAL NOTES | STANDARD CONSTRUCTION DETAILS STORM DRAINAGE | DATE: AUGUST, 2010 | REV DATE: – | SHEET : SD-D01

1

NOTE:
SEE TOWN OF ADDISON STD. FRAME AND COVER DETAIL.

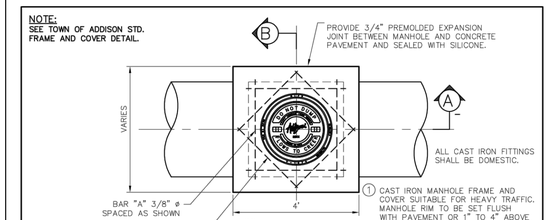


SECTION A NTS | SECTION B NTS

PUBLIC WORKS DEPARTMENT | TYPE "A" STORM SEWER MANHOLE (FOR 18" TO 30" RCP) | STANDARD CONSTRUCTION DETAILS STORM DRAINAGE | DATE: AUGUST, 2010 | REV DATE: – | SHEET : SD-D06

2

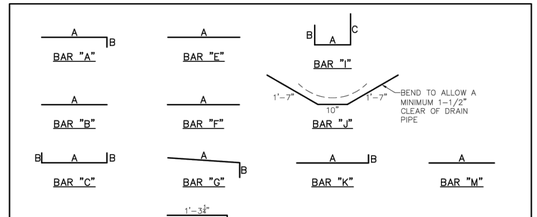
NOTE:
SEE TOWN OF ADDISON STD. FRAME AND COVER DETAIL.



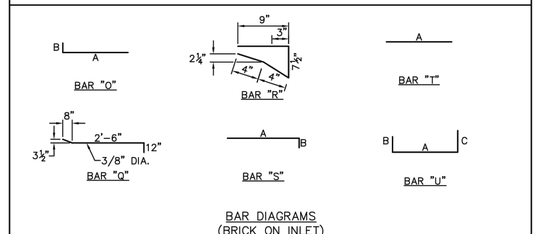
SECTION A NTS | SECTION B NTS

PUBLIC WORKS DEPARTMENT | TYPE "B" STORM SEWER MANHOLE (FOR 33" TO 78" RCP) | STANDARD CONSTRUCTION DETAILS STORM DRAINAGE | DATE: AUGUST, 2010 | REV DATE: – | SHEET : SD-D07

3



REINFORCING BAR DIAGRAMS
NTS

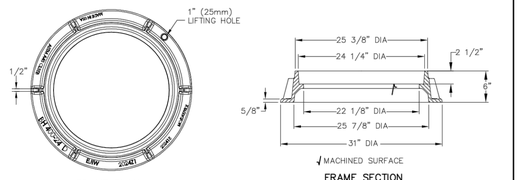


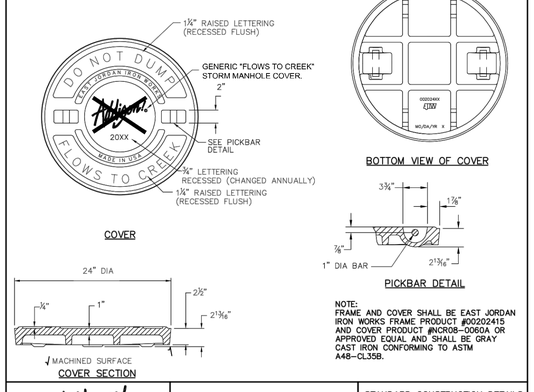
BAR DIAGRAMS (BRICK ON INLET)
NTS

NOTE:
BAR DESIGNATIONS AND DIMENSIONS ARE DIFFERENT FROM STEEL SCHEDULE FOR REGULAR INLETS

PUBLIC WORKS DEPARTMENT | REINFORCING BAR DIAGRAMS | STANDARD CONSTRUCTION DETAILS STORM DRAINAGE | DATE: AUGUST, 2010 | REV DATE: – | SHEET : SD-D22

4





NOTE:
FRAME AND COVER SHALL BE EAST JORDAN IRON WORKS FRAME PRODUCT #00202415 AND COVER PRODUCT #CR108--0060A OR APPROVED EQUAL AND SHALL BE GRAY CAST IRON CONFORMING TO ASTM A48--CL35B.

PUBLIC WORKS DEPARTMENT | STORM MANHOLE FRAME & COVER | STANDARD CONSTRUCTION DETAILS STORM DRAINAGE | DATE: AUGUST, 2010 | REV DATE: – | SHEET : SD-D08

5

REINFORCING STEEL SCHEDULE DIMENSIONS SHOWN ARE FOR MAXIMUM SIZE INLET							
INLET LENGTH	BAR TYPE	BAR DIA. (1/8")	NO REQ'D	BAR DIMENSIONS A	B	C
4'	A	3	6	3'–2"	0'–3"	–
	B	3	2	2'–10"	–	–
	C	4	18	4'–8"	0'–6"	–
	D	4	9	4'–8"	–	–
	G	3	4	2'–0"	1'–3"	–
	H	3	7	*	*	*
	I	4	3	3'–2"	3'–2"	4'–8"
	J	5	1	*	*	*
	K	5	2	3'–2"	0'–6"	–
	L	4	11	3'–2"	0'–6"	–
	M	4	2	3'–0"**	–	–
6'	A	3	9	3'–2"	0'–3"	–
	B	3	2	4'–10"	–	–
	C	4	18	6'–5"	0'–6"	–
	D	4	9	4'–8"	–	–
	G	3	6	2'–0"	1'–3"	–
	H	3	11	*	*	*
	I	4	5	3'–2"	3'–2"	4'–8"
	J	5	1	*	*	*
	K	5	2	3'–2"	0'–6"	–
	L	4	11	3'–2"	0'–6"	–
	M	4	2	3'–0"**	–	–
8'	A	3	12	3'–2"	0'–3"	–
	B	3	2	6'–10"	–	–
	C	4	18	8'–5"	0'–6"	–
	D	4	9	4'–8"	–	–
	G	3	7	2'–0"	1'–3"	–
	H	3	14	*	*	*
	I	4	7	3'–2"	3'–2"	4'–8"
	J	5	1	*	*	*
	K	5	2	3'–2"	0'–6"	–
	L	4	11	3'–2"	0'–6"	–
	M	4	2	3'–0"**	–	–
10'	A	3	15	3'–2"	0'–3"	–
	B	3	2	8'–10"	–	–
	C	4	18	10'–8"	0'–6"	–
	D	4	9	4'–8"	–	–
	G	3	9	2'–0"	1'–3"	–
	H	3	17	*	*	*
	I	4	9	3'–2"	3'–2"	4'–8"
	J	5	1	*	*	*
	K	5	2	3'–2"	0'–6"	–
	L	4	11	3'–2"	0'–6"	–
	M	4	2	3'–0"**	–	–

* SEE DIAGRAM FOR DIMENSIONS
** FIELD CUT AS REQUIRED TO ACCOMMODATE DRAIN PIPE

PUBLIC WORKS DEPARTMENT | REINFORCING STEEL SCHEDULE 4, 6, 8 & 10 FOOT INLETS | STANDARD CONSTRUCTION DETAILS STORM DRAINAGE | DATE: AUGUST, 2010 | REV DATE: – | SHEET : SD-D14

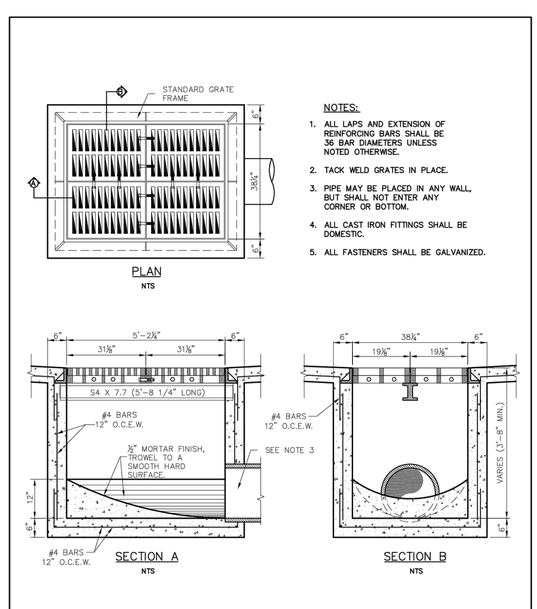
6

REINFORCING STEEL SCHEDULE DIMENSIONS ARE FOR MAXIMUM SIZE INLETS											
INLET LENGTH	BAR TYPE	BAR DIA. (1/8")	NO REQ'D	BAR DIMENSIONS A	B	C	INLET LENGTH	BAR TYPE	BAR DIA. (1/8")	NO REQ'D	BAR DIMENSIONS A	B	C
6'	A	3	12	3'–2"	0'–6"	–	8'	A	3	16	3'–2"	0'–6"	–
	B	3	2	11'–6"	–	–		B	3	2	15'–6"	–	–
	C	4	16	13'–4"	0'–6"	–		C	4	16	17'–4"	0'–6"	–
	D	4	9	4'–8"	–	–		D	4	9	4'–8"	–	–
	E	5	6	13'–4"	–	–		E	5	6	17'–4"	–	–
	F	4	10	1'–2"	–	–		F	4	10	1'–2"	–	–
	G	3	11	2'–0"	1'–3"	–		G	3	13	2'–0"	1'–3"	–
	H	3	20	*	*	*		H	3	26	*	*	*
	I	4	12	3'–2"	3'–2"	4'–8"		I	4	16	3'–2"	3'–2"	4'–8"
	J	5	1	*	*	*		J	5	1	*	*	*
	K	5	8	3'–2"	0'–6"	–		K	5	8	3'–2"	0'–6"	–
	L	4	11	3'–2"	0'–6"	–		L	4	11	3'–2"	0'–6"	–
	M	4	2	3'–0"**	–	–		M	4	2	3'–0"**	–	–
	N	4	2	3'–2"	4'–8"	–		N	4	2	3'–2"	4'–8"	–
7'	A	3	14	3'–2"	0'–6"	–	10'	A	3	20	3'–2"	0'–6"	–
	B	3	2	13'–6"	–	–		B	3	2	19'–6"	–	–
	C	4	16	15'–4"	0'–6"	–		C	4	16	21'–4"	0'–6"	–
	D	4	9	4'–8"	–	–		D	4	9	4'–8"	–	–
	E	5	6	15'–4"	–	–		E	5	6	21'–4"	–	–
	F	4	10	1'–2"	–	–		F	4	10	1'–2"	–	–
	G	3	12	2'–0"	1'–3"	–		G	3	16	2'–0"	1'–3"	–
	H	3	22	*	*	*		H	3	32	*	*	*
	I	4	14	3'–2"	3'–2"	4'–8"		I	4	20	3'–2"	3'–2"	4'–8"
	J	5	1	*	*	*		J	5	1	*	*	*
	K	5	8	3'–2"	0'–6"	–		K	5	8	3'–2"	0'–6"	–
	L	4	11	3'–2"	0'–6"	–		L	4	11	3'–2"	0'–6"	–
	M	4	2	3'–0"**	–	–		M	4	2	3'–0"**	–	–
	N	4	2	3'–2"	4'–8"	–		N	4	2	3'–2"	4'–8"	–

* SEE DIAGRAM FOR DIMENSION
** FIELD CUT AS REQUIRED TO ACCOMMODATE DRAIN PIPE

PUBLIC WORKS DEPARTMENT | REINFORCING STEEL SCHEDULE 12, 14, 16 & 20 FOOT INLETS | STANDARD CONSTRUCTION DETAILS STORM DRAINAGE | DATE: AUGUST, 2010 | REV DATE: – | SHEET : SD-D21

7



PUBLIC WORKS DEPARTMENT | FOUR GRATE INLET | STANDARD CONSTRUCTION DETAILS STORM DRAINAGE | DATE: AUGUST, 2010 | REV DATE: – | SHEET : SD-D32

8

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-5827
TBPE FIRM REGISTRATION #F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
LICENSED PROFESSIONAL ENGINEER
01/08/20

KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

STORM DRAINAGE DETAILS

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
ADDISON, DALLAS, TEXAS

SHEET NUMBER
C12.14

Plotted By:Acevedo, Elioth Sheet Set:Kha Layout:C12.14 January 09, 2020 06:29:16am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C12.00 DRAINAGE DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By:Acevedo, Eliath Sheet Set:Kha Layout:C13.00 January 09, 2020 06:29:39am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C13.00 SANITARY SEWER.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adoption by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

TAXIWAY A

TAXIWAY C

TAXIWAY D

TAXIWAY A

NORTH

EXISTING SERVICE ROAD

DETENTION POND

HANGAR I
15525

FBO
15601

HANGAR II
15625

HANGAR III
15675

C13.01

C13.02

FESTIVAL WAY

ADDISON ROAD

ADDISON ROAD

ADDISON CIRCLE

FUEL FARM

GRAPHIC SCALE IN FEET
0 30 60 120

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn

© 2019 KIMLEY-HORN AND ASSOCIATES, INC.

1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 832-486-1415
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
PROFESSIONAL ENGINEER
01/08/20

KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

SANITARY SEWER PLAN KEY MAP

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
ADDISON, DALLAS, TEXAS

SHEET NUMBER
C13.00

DETENTION POND

HANGAR I
15525

SAN-33
4" SANITARY SEWER CONNECTION TO MEP
W/ CLEANOUT
STA: -0+00
4" INV OUT: 360.18

13 LF OF
4" PVC @ 1.00%

SAN-1
90° BEND W/ CLEANOUT
STA: 0+00
4" INV IN: 360.05
4" INV OUT: 630.05

SAN SWR 1
STA: -0+50
N: 7037244.45
E: 2480962.66

SAN-3
SAMPLE WELL
STA: 0+17
RIM: 630.10
4" INV IN: 629.56
6" INV OUT: 629.56

10 LF OF
4" PVC @ 1.00%

7 LF OF
4" PVC @ 1.00%

SAN-2
OIL WATER SEPARATOR
STA: 0+10.02
4" INV IN: 629.95
4" INV OUT: 629.62

8
C13.04

SAN-4
SAN SWR MH
STA: 0+24.48
RIM: 633.89
6" INV IN: 629.48
8" INV OUT: 629.05

2
C13.04

12 LF OF
4" PVC @ 1.68%

77 LF OF 8" PVC @ 0.33%

PROPOSED
CLEANOUT W/IN ±2'
OF BACK OF CURB

7 LF OF
6" PVC @ 1.00%

7
C13.04

150 LF OF 8" PVC @ 0.33%

SAN SWR 1

SAN-31
8"x4" WYE CONNECTION
WITH CLEANOUT
STA: 1+01.38
RIM: 629.52
8" INV IN: 628.80
4" INV IN: 628.80
8" INV OUT: 628.80

SAN-25
4" SANITARY SEWER
CONNECTION TO MEP
W/ CLEANOUT
STA: 1+01.38
4" INV OUT: 629.00

SAN-5
6" SANITARY SEWER
CONNECTION TO MEP
W/ CLEANOUT
STA: 2+55.08
6" INV OUT: 632.00

SAN-6
SAN SWR MH
STA: 2+50.90
RIM: 636.26
8" INV IN: 628.30
6" INV IN: 629.00
8" INV OUT: 628.29

78 LF OF 6" PVC @ 3.86%

SAN-7
SAN. SWR. MH
STA: 3+42.04
RIM: 636.41
8" INV IN: 627.99
6" INV IN: 628.00
8" INV OUT: 627.89

112 LF OF 6" PVC @ 3.58%

PROPOSED
CLEANOUT W/IN ±2'
OF BACK OF CURB

2
C13.04

4+00

91 LF OF 8" PVC @ 0.33%

SAN SWR 1
STA: 2+50.90
N: 7037545.32
E: 2480958.37

PROPOSED
CLEANOUT W/IN ±2'
OF BACK OF CURB

2
C13.04

128 LF OF
8" PVC @ 0.33%

SAN SWR 1
STA: 3+59.68
N: 7037651.94
E: 2480943.69

FBO
15601

SAN-26
6" SANITARY SEWER
CONNECTION TO MEP
W/ CLEANOUT
STA: 3+85.56
6" INV OUT: 632.00

MATCHLINE SEE SHEET C13.02

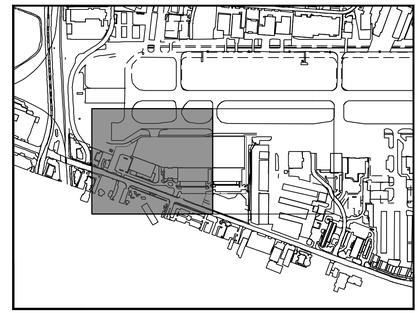
ADDISON ROAD

FESTIVAL WAY

ADDISON CIRCLE

EX. SAN SWR

GRAPHIC SCALE IN FEET
0 15 30 60



KEY PLAN

NORTH

NOTES:

1. SEE DETAIL 1 ON C13.04 FOR SANITARY SEWER PIPE EMBANKMENT.
2. SANITARY SEWER MANHOLE DETAIL 2 CAN BE SUBSTITUTED WITH SANITARY SEWER MANHOLE DETAIL 3 ON SHEET C13.04.
3. SEE MEP, PLUMBING PLANS FOR SANITARY SEWER CONNECTION.
4. CONCRETE ENCASE UTILITY CROSSINGS AT ALL TIMES TO PROTECT AGAINST WEIGHT AND FUTURE SETTLING.

THIS PLAN CONFORMS WITH DESIGN STANDARDS INCLUDED IN THE TOWN OF ADDISON TRANSPORTATION PLAN, WATER SYSTEM REQUIREMENTS, WASTE WATER SYSTEM REQUIREMENTS, AND DRAINAGE CRITERIA MANUAL.

LEGEND

SANITARY MANHOLE

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-1888
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
REGISTERED PROFESSIONAL ENGINEER
01/08/20

KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

SANITARY SEWER PLAN
SAN SWR 1

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C13.01

Plotted By:Acevedo, Eliath Sheet Set:Kha Layout:C13.01 January 09, 2020 06:29:44am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\CAD\dwg\Sheets\C13.00 SANITARY SEWER.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

MATCHLINE SEE SHEET C13.01

HANGAR II
15625

HANGAR III
15675

SAN-9
4" SANITARY SEWER CONNECTION TO MEP
W/ CLEANOUT
STA: 5+58.89
4" INV OUT: 631.00

SAN-10
OIL WATER SEPARATOR
STA: 5+58.91
4" INV IN: 630.85
4" INV OUT: 630.52

SAN-11
SAMPLE WELL
STA: 5+58.91
RIM: 630.94
4" INV IN: 630.44
6" INV OUT: 627.84

SAN SWR 2
STA: -0+50
N: 7037735.94
E: 2480856.40

15 LF OF
4" PVC @ 1.00%

SAN-8
SAN SWR MH
STA: 4+69.61
RIM: 635.62
8" INV IN: 627.38
8" INV IN: 627.48
8" INV OUT: 627.13

SAN-15
MH
STA: 6+00.52
RIM: 635.58
8" INV IN: 627.91
6" INV IN: 628.34
8" INV OUT: 627.91

SAN-16
MH
STA: 7+33.86
RIM: 635.98
8" INV IN: 628.45
8" INV OUT: 628.35

PROPOSED CLEANOUT W/IN ±2' OF BACK OF CURB

SAN-27
4" SANITARY SEWER CONNECTION TO MEP
W/ CLEANOUT
STA: 8+68.86
4" INV OUT: 633.75

SAN-17
4" SANITARY SEWER CONNECTION TO MEP
W/ CLEANOUT
STA: 8+88.61
4" INV OUT: 633.75

15 LF OF
4" PVC @ 1.00%

SAN-18
OIL WATER SEPARATOR
STA: 8+88.31
4" INV IN: 633.60
4" INV OUT: 632.42

SAN-21
WASTE DUMP STATION
STA: 0+02.72
RIM: 636.51
6" INV OUT: 635.97

5 LF OF
6" PVC @ 88.42%

SAN-22
1~6"x45° VERTICAL BEND
STA: 0+07.25
6" INV IN: 631.96
6" INV OUT: 631.96

SAN-23
1~6"x45° BEND WITH CLEANOUT
STA: 0+60
RIM: 632.24
6" INV IN: 631.70
6" INV OUT: 631.70

53 LF OF
6" PVC @ 0.50%

SAN SWR 3

23 LF OF
6" PVC @ 0.50%

SAN-24
1~6"x45° BEND WITH CLEANOUT
STA: 0+83.39
6" INV IN: 631.58
6" INV OUT: 631.58

31 LF OF
6" PVC @ 0.50%

EX SAN - 2
MH
STA: 1+14.21
RIM: 636.83
6" INV IN: 631.43
12" INV IN: 629.20
8" INV IN: 629.46
12" INV OUT: 632.10

31 LF OF
4" PVC @ 15.26%

7 LF OF
4" PVC @ 1.00%

9 LF OF
6" PVC @ 0.84%

SAN-19
SAMPLE WELL
STA: -0+20.75
RIM: 632.89
4" INV IN: 632.35
6" INV OUT: 629.07

SAN SWR 1
STA: 9+00.77
N: 7038150.73
E: 2480736.08

SAN-20
SAN SWR MH
STA: 8+88
RIM: 636.30
6" INV IN: 629.00
8" INV OUT: 628.96

SAN-32
8"x4" WYE CONNECTION WITH CLEANOUT
STA: 8+68.83
RIM: 629.62
8" INV IN: 628.90
4" INV IN: 629.08
8" INV OUT: 628.90

19 LF OF
8" PVC @ 0.33%

SAN SWR 1

135 LF OF 8" PVC @ 0.33%

133 LF OF 8" PVC @ 0.33%

89 LF OF 8" PVC @ 0.33%

42 LF OF
8" PVC @ 0.33%

SAN SWR 4

55 LF OF
6" PVC @ 0.50%

SAN-14
1~6"x45° VERTICAL BEND
STA: 0+76.13
6" INV IN: 628.62
6" INV OUT: 628.61

6 LF OF
6" PVC @ 95.67%

SAN SWR 2

76 LF OF 8" PVC @ 0.37%

SAN SWR 1
STA: 5+58.92
N: 7037839.45
E: 2480876.39

EX SAN - 1
EX SAN SWR MH
STA: 0+81.99
RIM: 637.62
8" INV IN: 626.85
10" INV IN: 628.07
16" INV OUT: 626.68

SAN-12
SAN SWR MH
STA: 5+58.92
RIM: 635.67
8" INV IN: 627.77
6" INV IN: 627.77
8" INV OUT: 627.67

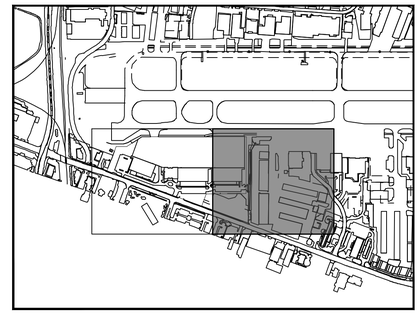
SAN-13
AREA INLET
STA: 0+82.07
RIM: 634.84
6" INV OUT: 634.30

SAN SWR 2
STA: 1+40.99
N: 7037804.88
E: 2481034.52

EX. SAN. SWR

FUEL FARM

ADDISON ROAD



KEY PLAN

NORTH

NOTES:

1. SEE DETAIL 1 ON C13.04 FOR SANITARY SEWER PIPE EMBANKMENT.
2. SANITARY SEWER MANHOLE DETAIL 2 CAN BE SUBSTITUTED WITH SANITARY SEWER MANHOLE DETAIL 3 ON SHEET C13.04.
3. SEE MEP, PLUMBING PLANS FOR SANITARY SEWER CONNECTION.
4. CONCRETE ENCASE UTILITY CROSSINGS AT ALL TIMES TO PROTECT AGAINST WEIGHT AND FUTURE SETTLING.

THIS PLAN CONFORMS WITH DESIGN STANDARDS INCLUDED IN THE TOWN OF ADDISON TRANSPORTATION PLAN, WATER SYSTEM REQUIREMENTS, WASTE WATER SYSTEM REQUIREMENTS, AND DRAINAGE CRITERIA MANUAL.

LEGEND

SANITARY MANHOLE

GRAPHIC SCALE IN FEET
0 15 30 60

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-1488 FAX: 281-419-1445
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
LICENSED PROFESSIONAL ENGINEER
01/08/20

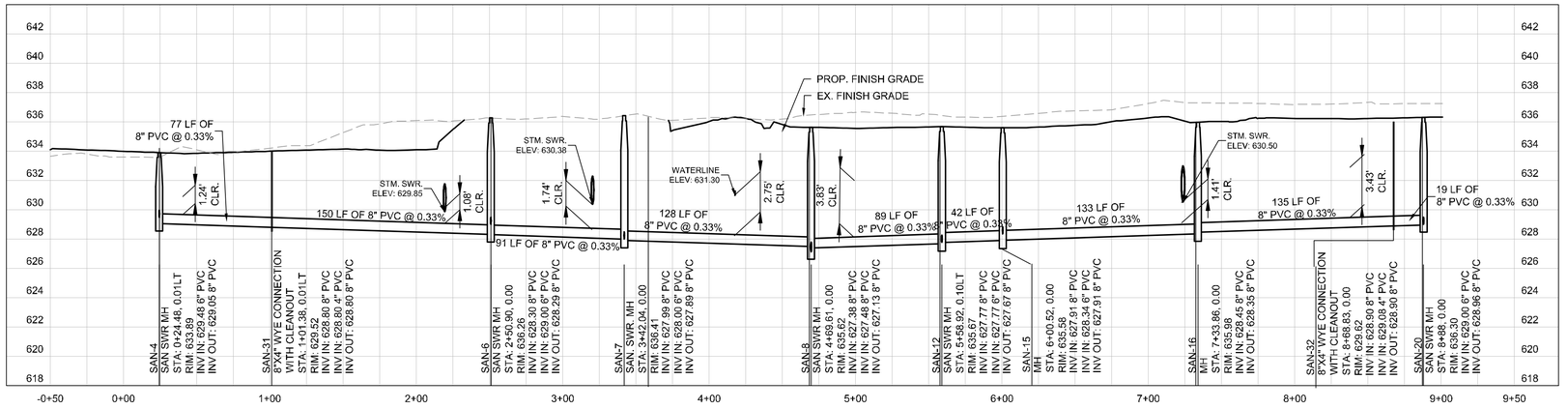
KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

SANITARY SEWER PLAN SAN SWR 1 AND 2

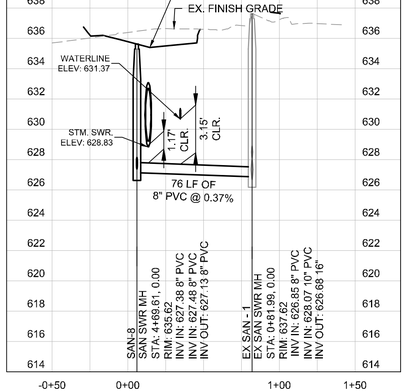
ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C13.02

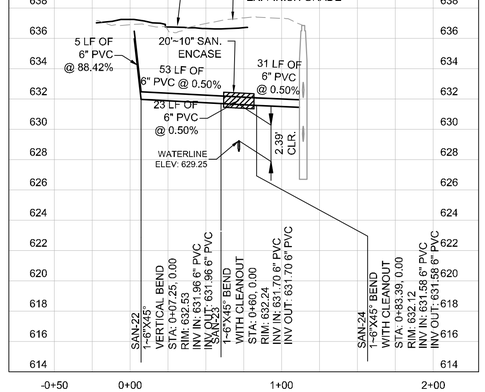
Plotted By:Acevedo, Elioth Sheet Set:Kha Layout:C13.02 January 09, 2020 06:29:49pm K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C13.00 SANITARY SEWER.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



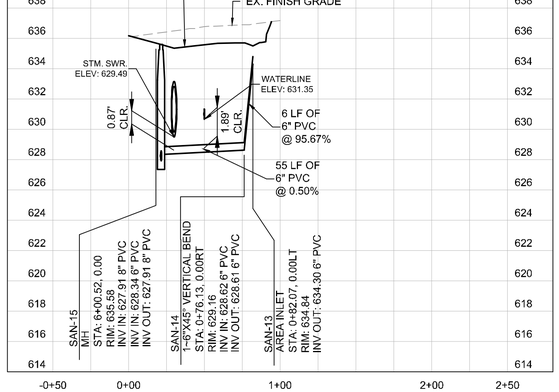
SAN SWR 1



SAN SWR 2



SAN SWR 3



SAN SWR 4

NOTE:

CONCRETE ENCASE UTILITY CROSSINGS AT ALL TIMES TO PROTECT AGAINST WEIGHT AND FUTURE SETTLING.

GRAPHIC SCALE IN FEET
0 25 50 100
HORIZONTAL

0 2.5 5 10
VERTICAL

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn

© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-1888
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
LICENSED PROFESSIONAL ENGINEER
01/08/20

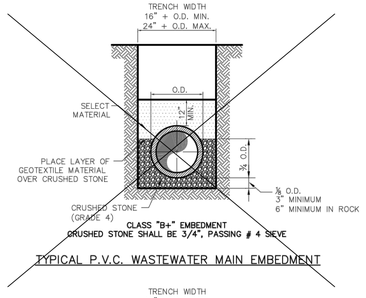
KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN | DESIGNED BY HCV | DRAWN BY EC EAC | CHECKED BY HCV

SANITARY SEWER PROFILE

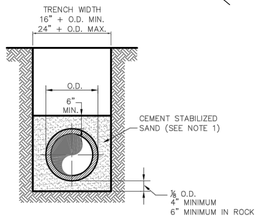
ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C13.03

Plotted By:Acevedo, Eliath Sheet Set:Kha Layout:C13.03 January 09, 2020 06:30:06am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C13.00 SANITARY SEWER PROFILE.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



TYPICAL P.V.C. WASTEWATER MAIN EMBEDMENT

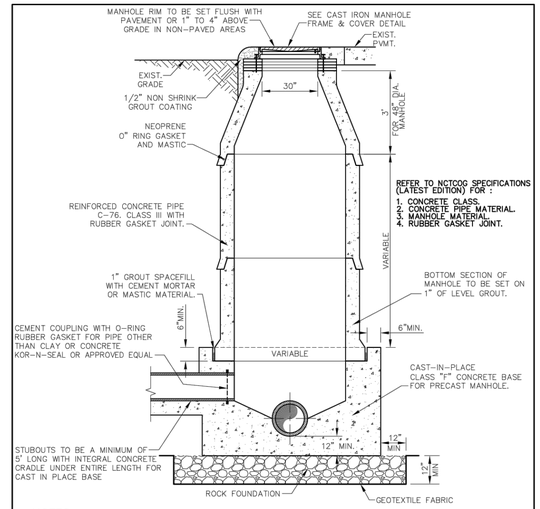


NOTE:
1. CEMENT STABILIZED SAND SHALL HAVE A MINIMUM OF 10% CEMENT PER CUBIC YARD OF CEMENT STABILIZED SAND MIXTURE, BASED ON LOOSE DRY WEIGHT VOLUME (AT LEAST 2.5 BAGS OF CEMENT PER CUBIC YARD OF MIXTURE). THE USE OF BROWN COLORING IN CEMENT STABILIZED SAND IS REQUIRED FOR PRESSURE RATED WASTEWATER MAIN AND LATERAL BEDDING.

P.V.C. WASTEWATER MAIN CEMENT STABILIZED SAND EMBEDMENT

PUBLIC WORKS DEPARTMENT	P.V.C. WASTEWATER MAIN EMBEDMENT	STANDARD CONSTRUCTION DETAILS WASTEWATER		
		DATE: AUGUST, 2010	REV DATE: –	SHEET : SD-WW01

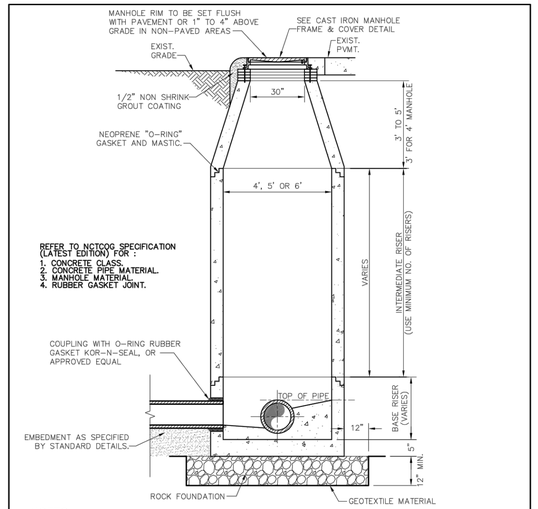
1



NOTES:
1. IF FALSE MANHOLE BOTTOMS ARE REQUIRED, THEY SHALL BE CONSTRUCTED, INSTALLED, AND REMOVED PER WASTEWATER MANHOLE FALSE BOTTOM STD. DETAIL.
2. WHERE MANHOLE'S ARE OUTSIDE OF PAVEMENT, FRAME & COVER SHALL BE CENTERED IN 5'x5' CONCRETE PAD CLASS 'A' CONCRETE, 4" THICK
3. ALL MANHOLES SHALL PASS VACUUM TEST AS PER NCTCOG SPECIFICATIONS

PUBLIC WORKS DEPARTMENT	PRECAST CONCRETE PIPE MANHOLE ALTERNATE "A"	STANDARD CONSTRUCTION DETAILS WASTEWATER		
		DATE: AUGUST, 2010	REV DATE: –	SHEET : SD-WW06

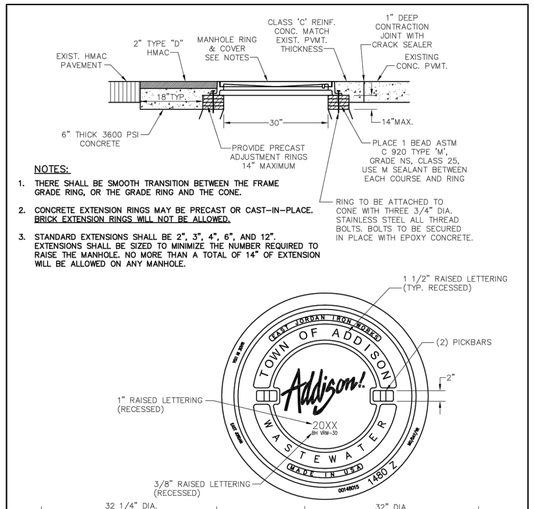
2



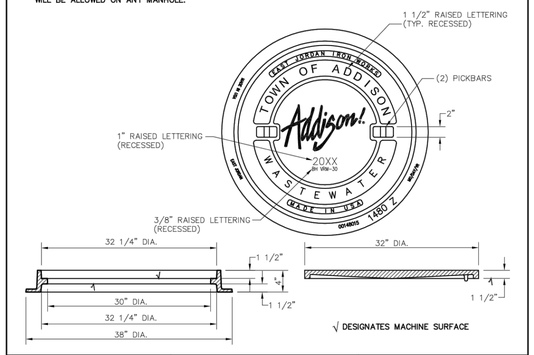
NOTES:
1. IF FALSE MANHOLE BOTTOMS ARE REQUIRED, THEY SHALL BE CONSTRUCTED, INSTALLED, AND REMOVED PER WASTEWATER MANHOLE FALSE BOTTOM STD. DETAIL.
2. WHERE MANHOLE'S ARE OUTSIDE OF PAVEMENT, FRAME & COVER SHALL BE CENTERED IN 5'x5' CONCRETE PAD CLASS 'A' CONCRETE, 4" THICK
3. ALL MANHOLES SHALL PASS VACUUM TEST AS PER NCTCOG SPECIFICATIONS

PUBLIC WORKS DEPARTMENT	PRECAST CONCRETE PIPE MANHOLE ALTERNATE "B"	STANDARD CONSTRUCTION DETAILS WASTEWATER		
		DATE: AUGUST, 2010	REV DATE: –	SHEET : SD-WW07

3



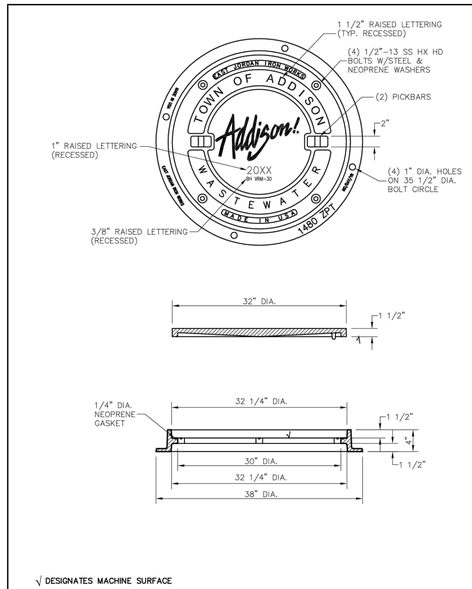
NOTES:
1. THERE SHALL BE SMOOTH TRANSITION BETWEEN THE FRAME GRADE RING, OR THE GRADE RING AND THE CONE.
2. CONCRETE EXTENSION RINGS MAY BE PRECAST OR CAST-IN-PLACE. BRICK EXTENSION RINGS WILL NOT BE ALLOWED.
3. STANDARD EXTENSIONS SHALL BE 2", 3", 4", 6", AND 12". EXTENSIONS SHALL BE SIZED TO MINIMIZE THE NUMBER REQUIRED TO RAISE THE MANHOLE. NO MORE THAN A TOTAL OF 14" OF EXTENSION WILL BE ALLOWED ON ANY MANHOLE.



√ DESIGNATES MACHINE SURFACE

PUBLIC WORKS DEPARTMENT	CAST IRON MANHOLE FRAME AND COVER	STANDARD CONSTRUCTION DETAILS WASTEWATER		
		DATE: AUGUST, 2010	REV DATE: –	SHEET : SD-WW11

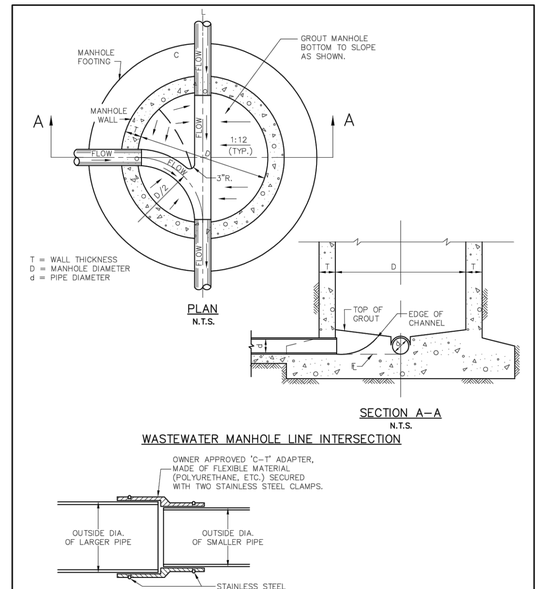
4



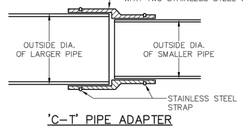
√ DESIGNATES MACHINE SURFACE

PUBLIC WORKS DEPARTMENT	PRESSURE TYPE MANHOLE FRAME AND COVER	STANDARD CONSTRUCTION DETAILS WASTEWATER		
		DATE: AUGUST, 2010	REV DATE: –	SHEET : SD-WW12

5



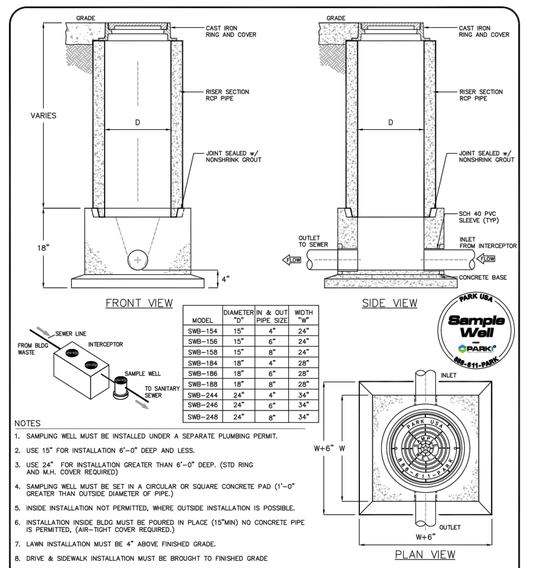
WASTEWATER MANHOLE LINE INTERSECTION



'C-T' PIPE ADAPTER

PUBLIC WORKS DEPARTMENT	WASTEWATER MANHOLE LINE INTERSECTION & 'C-T' PIPE ADAPTER	STANDARD CONSTRUCTION DETAILS WASTEWATER		
		DATE: AUGUST, 2010	REV DATE: –	SHEET : SD-WW13

6



MODEL	DIAMETER "D"	IN & OUT PIPE SIZE	WIDTH "W"
SWB-154	15"	4"	24"
SWB-156	15"	6"	24"
SWB-158	15"	8"	24"
SWB-184	18"	4"	28"
SWB-186	18"	6"	28"
SWB-188	18"	8"	28"
SWB-244	24"	4"	34"
SWB-246	24"	6"	34"
SWB-248	24"	8"	34"

NOTES
1. SAMPLING WELL MUST BE INSTALLED UNDER A SEPARATE PLUMBING PERMIT.
2. USE 15" FOR INSTALLATION 6'-0" DEEP AND LESS.
3. USE 24" FOR INSTALLATION GREATER THAN 6'-0" DEEP. (STD RING AND M.H. COVER REQUIRED)
4. SAMPLING WELL MUST BE SET IN A CIRCULAR OR SQUARE CONCRETE PAD (1'-0" GREATER THAN OUTSIDE DIAMETER OF PIPE.)
5. INSIDE INSTALLATION NOT PERMITTED, WHERE OUTSIDE INSTALLATION IS POSSIBLE.
6. INSTALLATION INSIDE BLDG MUST BE POURED IN PLACE (15"MIN) NO CONCRETE PIPE IS PERMITTED, (AIR-TIGHT COVER REQUIRED.)
7. LAWN INSTALLATION MUST BE 4" ABOVE FINISHED GRADE.
8. DRIVE & SIDEWALK INSTALLATION MUST BE BROUGHT TO FINISHED GRADE
9. TO BE INSTALLED ON PRIVATE PROPERTY, IN AN ACCESSIBLE LOCATION TO CITY PERSONNEL.

©ParkUSA, ALL RIGHTS RESERVED.

SPECIFICATIONS

CONCRETE: Class I/II concrete with of design strength of 4500 PSI at 28 days. Unit is of monolithic construction at floor and first stage of wall with sectional riser to required depth.

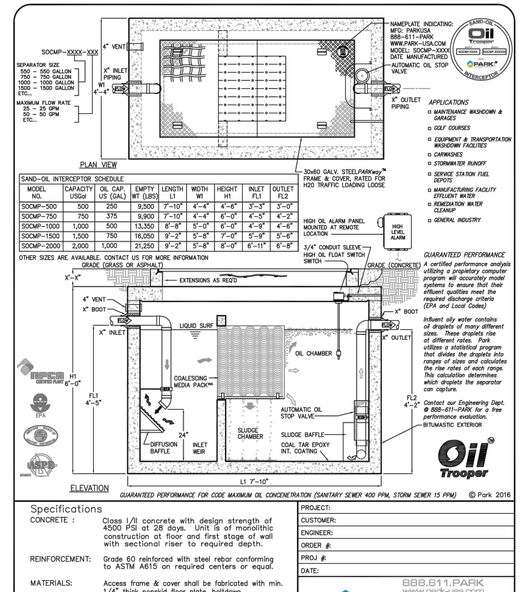
C.I. CASTINGS: Cast iron rings and grates are manufactured of grey cast iron conforming to ASTM A48 Class 30, Heavy-Duty AASHTO H20/HL93

888.611.PARK
www.parkusa.com
PARK USA DESIGN FOR WATER

SAMPLE WELL BASIN

SCALE	NONE	DWG. NO.	SWB-1	REV.
DATE	2018			A

7



SAND-OIL INTERCEPTOR SCHEDULE								
MODEL NO.	CAPACITY USGal	OIL CAP. US (GAL)	EMPTY WT (LBS)	LENGTH L1	WIDTH W1	HEIGHT H1	INLET FL1	OUTLET FL2
SOCMP-500	500	250	9,500	7'-10"	4'-4"	4'-6"	3'-3"	3'-0"
SOCMP-750	750	375	9,900	7'-10"	4'-4"	6'-0"	4'-3"	4'-2"
SOCMP-1000	1,000	500	13,350	8'-8"	5'-0"	6'-0"	4'-9"	4'-6"
SOCMP-1500	1,500	750	16,050	9'-2"	5'-8"	7'-0"	5'-9"	5'-6"
SOCMP-2000	2,000	1,000	21,250	9'-2"	5'-8"	8'-0"	6'-11"	6'-8"

OTHER SIZES ARE AVAILABLE. CONTACT US FOR MORE INFORMATION

APPLICATIONS
- MAINTENANCE WASHDOWN & GARAGES
- GOLF COURSES
- EQUIPMENT & TRANSPORTATION WASHDOWN FACILITIES
- CARWASHES
- STORMWATER RUNOFF
- SERVICE STATION FUEL DEPOTS
- MANUFACTURING FACILITY EFFLUENT WATER
- REMEDIATION WATER CLEANUP
- GENERAL INDUSTRY

GUARANTEED PERFORMANCE
A certified performance analysis utilizing a proprietary computer program will accurately model systems to ensure that their effluent qualities meet the required discharge criteria (EPA and Local Codes)

Influent oily water contains oil droplets of many different sizes. These droplets rise at different rates. Park utilizes a statistical program that slices the droplets into ranges of sizes and calculates the rise rates of each range. This calculation determines which droplets the separator can capture.

Contact our Engineering Dept. @ 888-611-PARK for a free performance evaluation.

BITUMASTIC EXTERIOR

Oil Trooper

GUARANTEED PERFORMANCE FOR CODE MAXIMUM OIL CONCENTRATION (SANITARY SEWER 400 PPM, STORM SEWER 15 PPM)

© Park 2016

Specifications

CONCRETE: Class I/II concrete with design strength of 4500 PSI at 28 days. Unit is of monolithic construction at floor and first stage of wall with sectional riser to required depth.

REINFORCEMENT: Grade 60 reinforced with steel rebar conforming to ASTM A615 on required centers or equal.

MATERIALS: Access frame & cover shall be fabricated with min. 1/4" thick nonskid floor plate, baldown, & lifting handles. All materials to be corrosion resistant.

Engineering Data

Interceptor is structurally and hydraulically engineered. Nominal total liquid capacity and oil holding capacity as indicated. Recommended for flow rates of 5 to 200 GPM (consult Park for proper sizing). Manufacturer shall submit performance calculations for oil & water separation certified by a licensed professional engineer upon request. Field excavation and preparation shall be completed prior to delivery of interceptor.

888.611.PARK
www.parkusa.com
PARK USA DESIGN FOR WATER

SAND-OIL SEPARATOR SOCMP
MODEL SOCMP – 500 THRU 2000 GALLONS

PM	DRN	ENG	DWG. NO.	REV.
DATE 04/17			SOCMP-1	A

SOCMP-1 (1)

8

PROJECT:	
CUSTOMER:	
ENGINEER:	
ORDER #:	
PROJ #:	
DATE:	

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn

© 2019 KIMLEY-HORN AND ASSOCIATES, INC.

1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-5827
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
LICENSED PROFESSIONAL ENGINEER
01/08/20

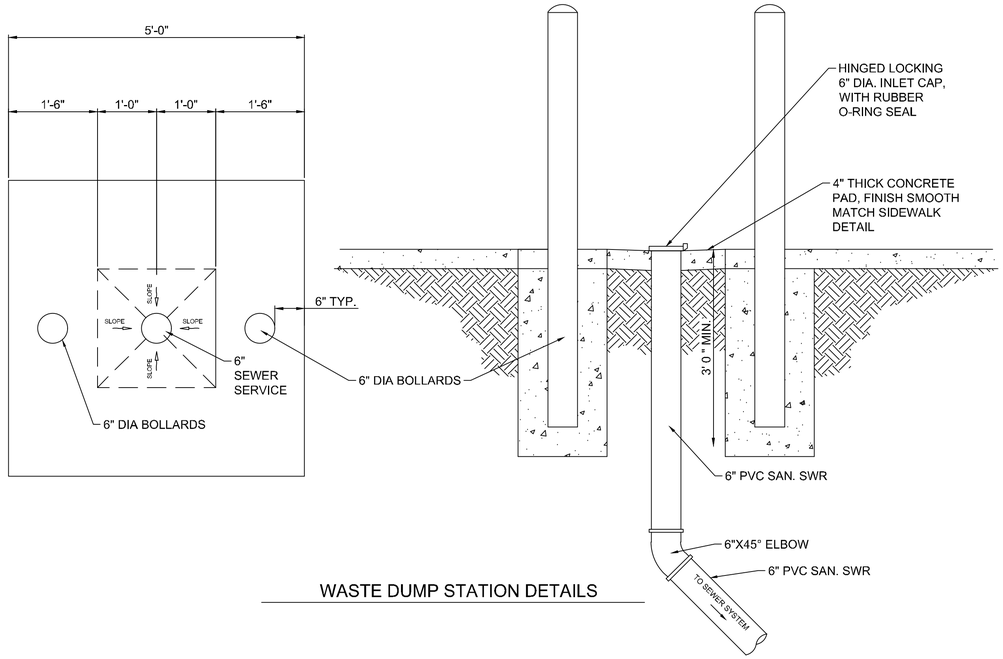
KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

SANITARY DETAILS

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

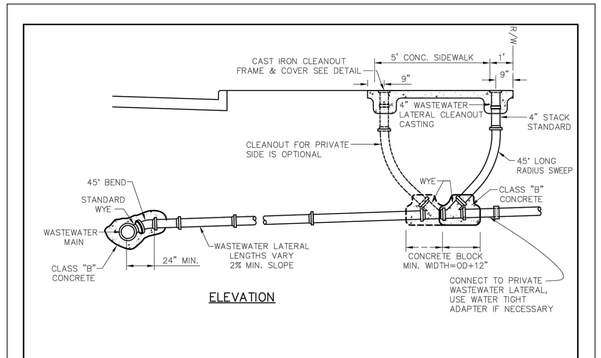
SHEET NUMBER
C13.04

Plotted By:Acevedo, Eiloth Sheet Set:Kha Layout:C13.04 January 09, 2020 06:30:25am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C13.00 SANITARY DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



WASTE DUMP STATION DETAILS

1



NOTES:

1. WASTEWATER LATERALS ARE TO BE CONSTRUCTED TO CLEAR EXISTING AND PROPOSED FACILITIES, SUCH AS STORM DRAIN MAINS, RETAINING WALLS, OTHER UTILITIES, ETC.
2. THE WASTEWATER LATERAL SHALL HAVE MINIMUM COVER OF 4'-0" BELOW THE PROPOSED CURB GRADE AT THE PROPERTY LINE, DETERMINED FROM PAVING GRADE, OR AS REQUIRED TO MAINTAIN A MINIMUM OF 2.0% GRADE, OR AS DIRECTED BY THE OWNER.

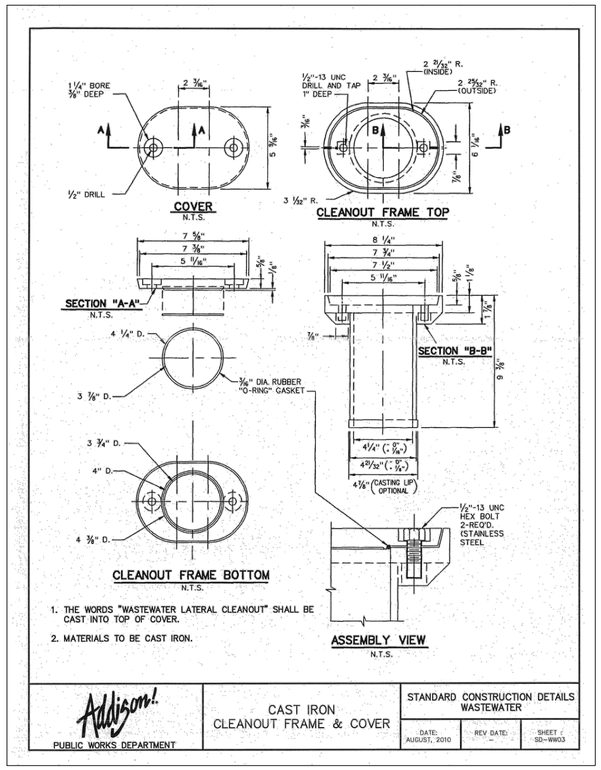
Addison!
PUBLIC WORKS DEPARTMENT

TWO-WAY CLEANOUT
NEW CONSTRUCTION

STANDARD CONSTRUCTION DETAILS
WASTEWATER

DATE:	REV DATE:	SHEET :
AUGUST, 2010	–	SD-WW02

2



1. THE WORDS "WASTEWATER LATERAL CLEANOUT" SHALL BE CAST INTO TOP OF COVER.
2. MATERIALS TO BE CAST IRON.

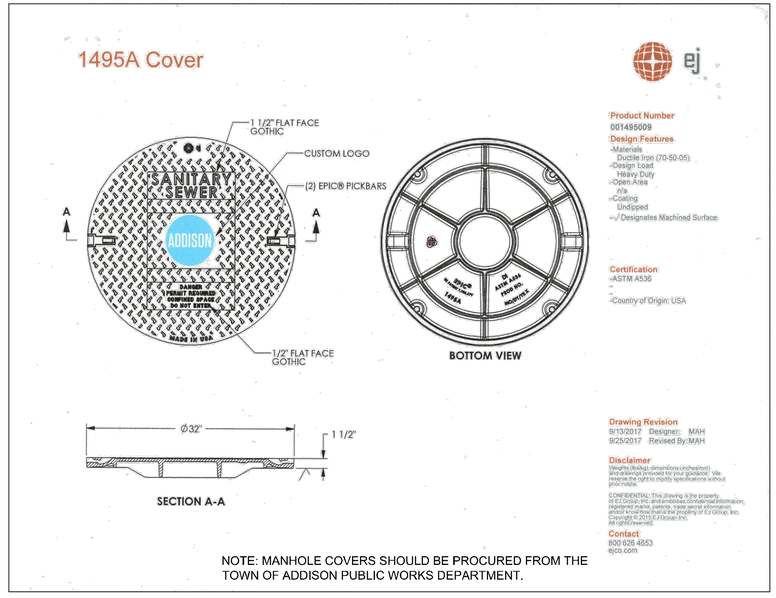
Addison!
PUBLIC WORKS DEPARTMENT

CAST IRON
CLEANOUT FRAME & COVER

STANDARD CONSTRUCTION DETAILS
WASTEWATER

DATE:	REV DATE:	SHEET :
AUGUST, 2010	–	SD-WW03

3



NOTE: MANHOLE COVERS SHOULD BE PROCURED FROM THE TOWN OF ADDISON PUBLIC WORKS DEPARTMENT.

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-5888
TBPE FIRM REGISTRATION #
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
LICENSED
PROFESSIONAL ENGINEER
01/08/20

KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

SANITARY DETAILS

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C13.05

Plotted By:Acevedo, Elioth Sheet Set:Kha Layout:C13.05 January 09, 2020 06:30:26am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C13.00 SANITARY DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By:Acevedo, Elioth Sheet Set:Kha Layout:C14.00 January 09, 2020 06:30:50am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C14.00 WATERLINE.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

TAXIWAY A

TAXIWAY C

TAXIWAY D

TAXIWAY A

NORTH

C14.01

C14.02

BUILDING RESTRICTION LINE

HANGAR I
15525

FBO
15601

HANGAR II
15625

HANGAR III
15675

FESTIVAL WAY

ADDISON ROAD

ADDISON CIRCLE

Water Valves

Handhole

Water Valve
Rim 636.35
Stub 630.06

Water Valve
Rim 636.49
Stub 630.58

Ex. WATERLINE

SS

GRAPHIC SCALE IN FEET
0 50 100 200

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-1888
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
PROFESSIONAL ENGINEER
01/08/20

KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

WATERLINE PLAN KEY MAP

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C14.00

WATERLINE 2
STA: 202+94.78
N: 7037136.89
E: 2480727.14

STA: 202+53.28, WATERLINE 2=
STA: 202+53.28, WATERLINE 3
1~ 8"X8" TEE
1~ FIRE HYDRANT ASSEMBLY
2~8" GATE VALVE AND BOX

WATERLINE 3
STA: 300+00
N: 7037087.48
E: 2480769.35

WATERLINE 1
STA: 99+51.66
N: 7036942.03
E: 2480974.74

STA: 100+01.66, WATERLINE 1
1~8"X8" TEE
3~8" GATE VALVE AND BOX

STA: 101+41.04, WATERLINE 1
1~8"X45° VERTICAL BEND

STA: 101+44.87, WATERLINE 1
1~8"X45° VERTICAL BEND

STA: 101+50.02, WATERLINE 1=
STA: 200+37.71, WATERLINE 2
1~8"x8" TEE
3~8" GATE VALVE AND BOX

WATERLINE 2
STA: 200+00
N: 7037141.08
E: 2481021.90

STA: 101+96.53, WATERLINE 1
1~FIRE HYDRANT ASSEMBLY
1~8" GATE VALVE AND BOX

STA: 101+60.97, WATERLINE 1
1~8"X45° VERTICAL BEND

STA: 101+57.03, WATERLINE 1
1~8"X45° VERTICAL BEND

STA: 102+58.74,0.00 WATERLINE 1
1~4" SADDLE AND CORPORATION STOP
1~4" GATE VALVE AND BOX
1~8" GATE VALVE AND BOX

STA: 102+85.48,0.00 WATERLINE 1
2" SERVICE TAP

STA: 102+68.41,WATERLINE 1
FIRE LINE
BACKFLOW PREVENTER

STA: 102+75.41,-34.98 WATERLINE 1
1~4" DI PLUG
REFERENCE MEP PLAN
FOR CONNECTION

STA: 102+85.48,-35.98 WATERLINE 1
1~2" DI PLUG
REFERENCE MEP PLAN
FOR CONNECTION

STA: 102+85.48,WATERLINE 1
DOMESTIC
BACKFLOW PREVENTER

STA: 102+85.48,WATERLINE 1
WATER METER

STA: 303+24.29, WATERLINE 3
1~FIRE HYDRANT ASSEMBLY
2~8" GATE VALVE AND BOX

STA: 304+02.27, WATERLINE 3
1~8"X11.25° BEND
1~8" GATE VALVE AND BOX

WATERLINE 3
STA: 304+02.27
N: 7037489.71
E: 2480763.69

STA: 104+86.24, WATERLINE 1
1~FIRE HYDRANT ASSEMBLY
2~8" GATE VALVE AND BOX

WATERLINE 1
STA: 106+68.98
N: 7037659.43
E: 2480976.73

STA: 106+68.94, WATERLINE 1
1~8"x22.5° BEND

HANGAR I
15525

FBO
15601

ADDISON ROAD

FESTIVAL WAY

WATERLINE 1

WATERLINE 2

WATERLINE 3

PROP. 8" PVC WATERLINE

PROP. 4" WATERLINE

PROP. 2" DOMESTIC WATERLINE

EX. WATERLINE

Ex. 8" W.L.

Ex. 12" W.L.

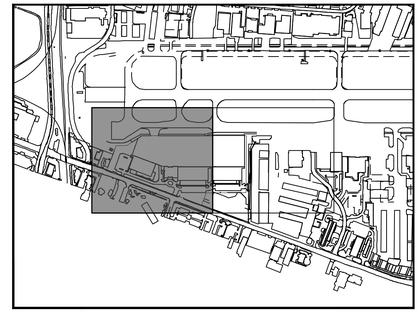
Water Valves

Handhole

Water Valve
Rim 636.35
Stm 633.06

Water Valve
Rim 636.49
Stm 632.19

MATCHLINE SEE SHEET C14.02



KEY PLAN

NORTH

NOTES:

1. WATERLINE CROSSING SANITARY SEWER - 2' OF VERTICAL CLEARANCE (OUTER WALL TO OUTER WALL) IS REQUIRED AND THE WATER PIPE MUST BE CENTERED OVER SANITARY SEWER PIPE WITH A MINIMUM LENGTH OF 18'. ALL CROSSINGS SHALL BE INSTALLED PER TCEQ REQUIREMENTS.
2. WATERLINE MATERIAL WILL BE PVC C-900.
3. MAINTAIN 3' MINIMUM CLEARANCE AROUND HYDRANTS. ANCHOR HYDRANTS AGAINST BUILDINGS TO THE TEES.
4. HYDRANTS ON AIRSIDE SHOULD HAVE GUARD POSTS ON THE APRON SIDE OF HYDRANT.
5. CONCRETE ENCASE ALL UTILITY CROSSING AT ALL TIME TO PROTECT AGAINST WEIGHT AND FUTURE SETTLING.
6. CONTRACTOR TO REFER TO ARCHITECTURE PLAN SET ON SHEET S3.04 DETAIL 5 FOR THE BOLLARDS AROUND THE FIRE HYDRANTS.

THIS PLAN CONFORMS WITH DESIGN STANDARDS INCLUDED IN THE TOWN OF ADDISON TRANSPORTATION PLAN, WATER SYSTEM REQUIREMENTS, WASTE WATER SYSTEM REQUIREMENTS, AND DRAINAGE CRITERIA MANUAL.

LEGEND

- EXISTING WATERLINE
- DOMESTIC WATERLINE
- FIRE PROTECTION WATERLINE
- GATE VALVE AND BOX
- FIRE HYDRANT
- PLUG AND CLAMP
- BACKFLOW PREVENTER
- FDC
- 2" WATER METER

GRAPHIC SCALE IN FEET
0 15 30 60

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn

© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 832-823-4000
TBPE FIRM REGISTRATION #
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
PROFESSIONAL ENGINEER
01/08/20

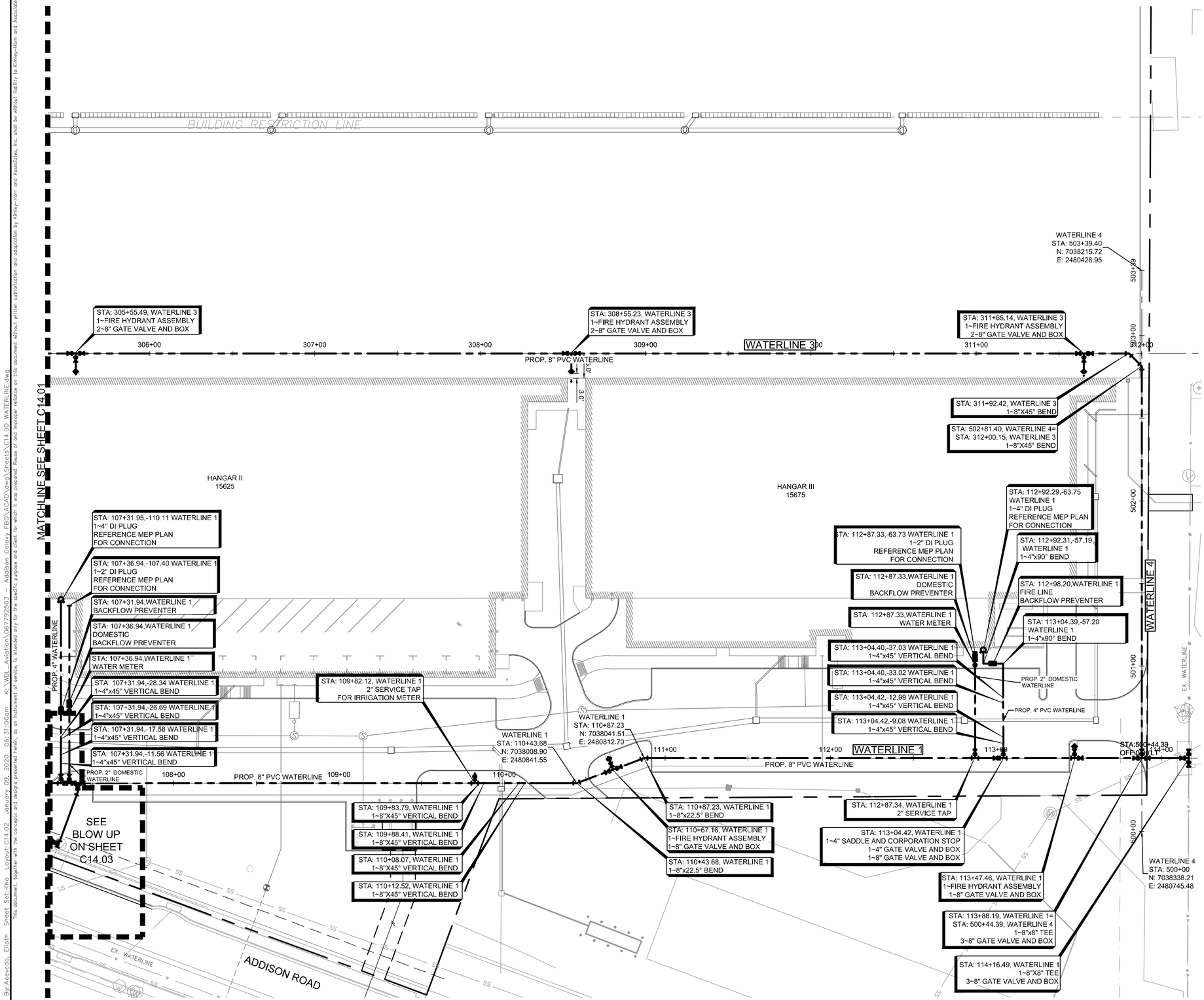
KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

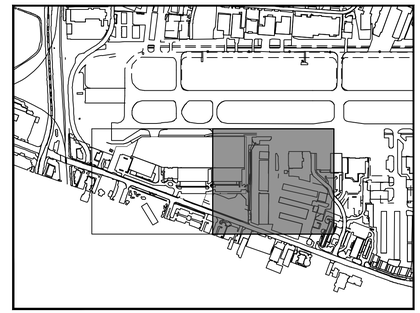
WATERLINE PLAN

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C14.01

Plotted By:Acevedo, Eliott Sheet Set:Kha Layout:C14.01 January 09, 2020 06:30:55am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C14.00 WATERLINE.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.





KEY PLAN

NORTH

NOTES:

1. WATERLINE CROSSING SANITARY SEWER - 2' OF VERTICAL CLEARANCE (OUTER WALL TO OUTER WALL) IS REQUIRED AND THE WATER PIPE MUST BE CENTERED OVER SANITARY SEWER PIPE WITH A MINIMUM LENGTH OF 18'. ALL CROSSINGS SHALL BE INSTALLED PER TCEQ REQUIREMENTS.
2. WATERLINE MATERIAL WILL BE PVC C-900.
3. MAINTAIN 3' MINIMUM CLEARANCE AROUND HYDRANTS. ANCHOR HYDRANTS AGAINST BUILDINGS TO THE TEES.
4. HYDRANTS ON AIRSIDE SHOULD HAVE GUARD POSTS ON THE APRON SIDE OF HYDRANT.
5. CONCRETE ENCASE ALL UTILITY CROSSING AT ALL TIME TO PROTECT AGAINST WEIGHT AND FUTURE SETTLING.
6. CONTRACTOR TO REFER TO ARCHITECTURE PLAN SET ON SHEET S3.04 DETAIL 5 FOR THE BOLLARDS AROUND THE FIRE HYDRANTS.

THIS PLAN CONFORMS WITH DESIGN STANDARDS INCLUDED IN THE TOWN OF ADDISON TRANSPORTATION PLAN, WATER SYSTEM REQUIREMENTS, WASTE WATER SYSTEM REQUIREMENTS, AND DRAINAGE CRITERIA MANUAL.

LEGEND

- EXISTING WATERLINE
- DOMESTIC WATERLINE
- FIRE PROTECTION WATERLINE
- GATE VALVE AND BOX
- FIRE HYDRANT
- PLUG AND CLAMP
- BACKFLOW PREVENTER
- FDC
- 2" WATER METER

GRAPHIC SCALE IN FEET
0 15 30 60

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn

© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 832-823-4755
TBPE FIRM REGISTRATION #
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
PROFESSIONAL ENGINEER
01/08/20

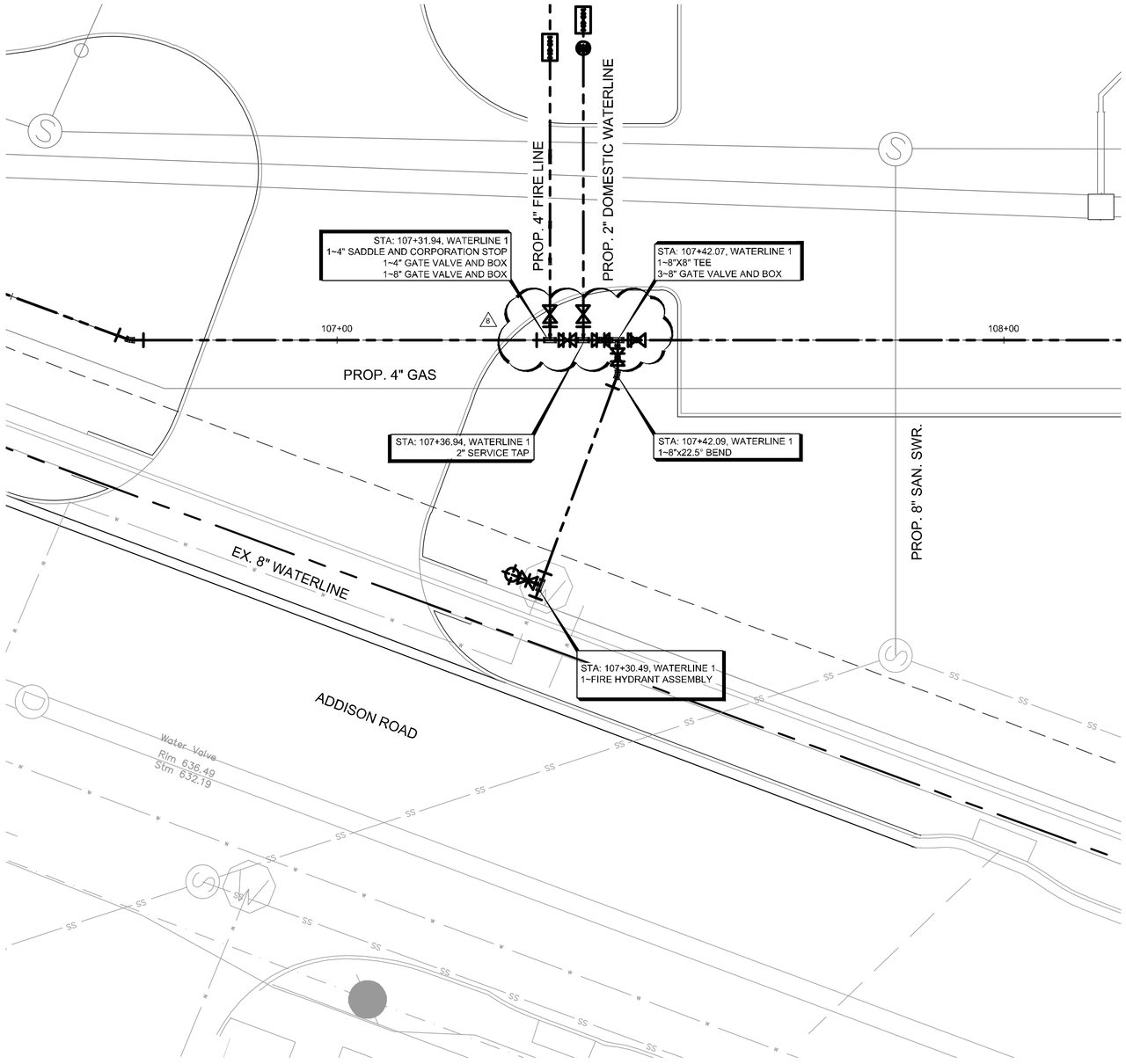
KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN | DESIGNED BY HCV | DRAWN BY EC EAC | CHECKED BY HCV

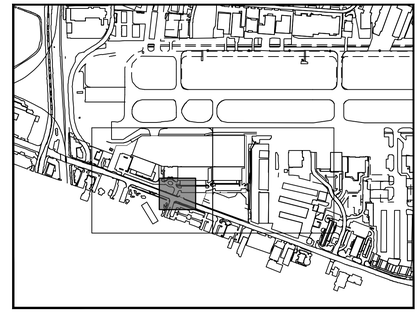
WATERLINE PLAN

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C14.02

Plotted By:Acevedo, Eliath Sheet Set:Kha Layout:C14.02 January 09, 2020 06:31:00pm K:\WDL_Aviation\067792503 – Addison Galaxy FBO\CAD\dwg\Sheets\C14.00 WATERLINE.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.





KEY PLAN

NORTH

NOTES:

1. WATERLINE CROSSING SANITARY SEWER - 2' OF VERTICAL CLEARANCE (OUTER WALL TO OUTER WALL) IS REQUIRED AND THE WATER PIPE MUST BE CENTERED OVER SANITARY SEWER PIPE WITH A MINIMUM LENGTH OF 18'. ALL CROSSINGS SHALL BE INSTALLED PER TCEQ REQUIREMENTS.
2. WATERLINE MATERIAL WILL BE PVC C-900.
3. MAINTAIN 3' MINIMUM CLEARANCE AROUND HYDRANTS. ANCHOR HYDRANTS AGAINST BUILDINGS TO THE TEES.
4. HYDRANTS ON AIRSIDE SHOULD HAVE GUARD POSTS ON THE APRON SIDE OF HYDRANT.
5. CONCRETE ENCASE ALL UTILITY CROSSING AT ALL TIME TO PROTECT AGAINST WEIGHT AND FUTURE SETTLING.
6. CONTRACTOR TO REFER TO ARCHITECTURE PLAN SET ON SHEET S3.04 DETAIL 5 FOR THE BOLLARDS AROUND THE FIRE HYDRANTS.

THIS PLAN CONFORMS WITH DESIGN STANDARDS INCLUDED IN THE TOWN OF ADDISON TRANSPORTATION PLAN, WATER SYSTEM REQUIREMENTS, WASTE WATER SYSTEM REQUIREMENTS, AND DRAINAGE CRITERIA MANUAL.

LEGEND

- EXISTING WATERLINE
- DOMESTIC WATERLINE
- FIRE PROTECTION WATERLINE
- GATE VALVE AND BOX
- FIRE HYDRANT
- PLUG AND CLAMP
- BACKFLOW PREVENTER
- FDC
- 2" WATER METER

GRAPHIC SCALE IN FEET
0 5 10 20

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-4488 FAX: 281-419-4495
TBPE FIRM REGISTRATION #
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
LICENSED PROFESSIONAL ENGINEER
01/08/20

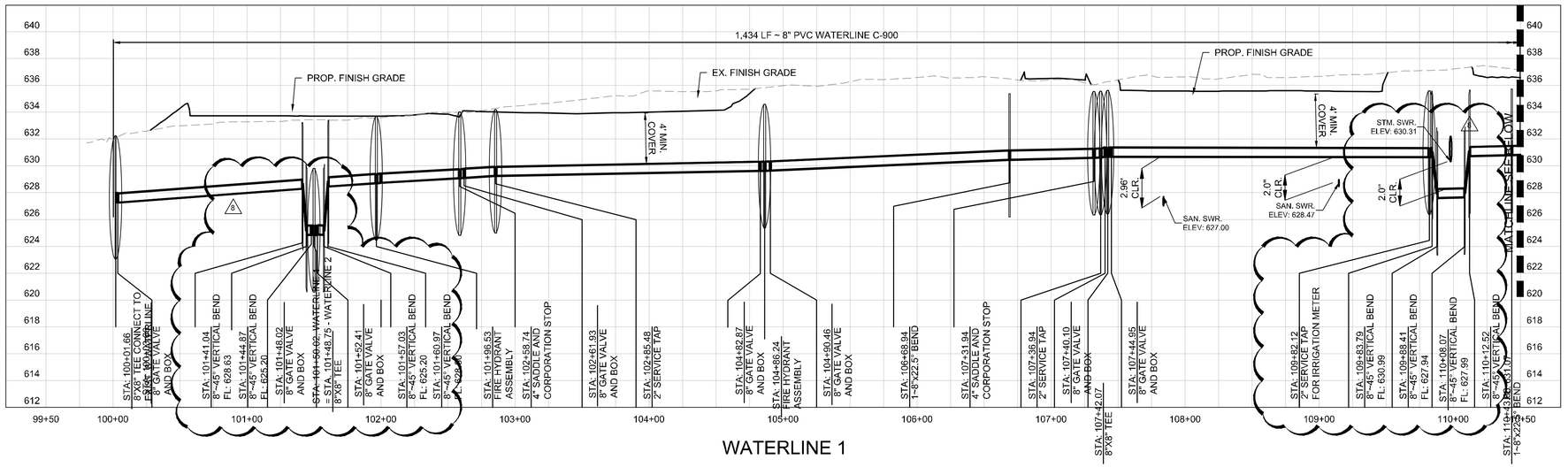
KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

WATERLINE BLOW UP PLAN

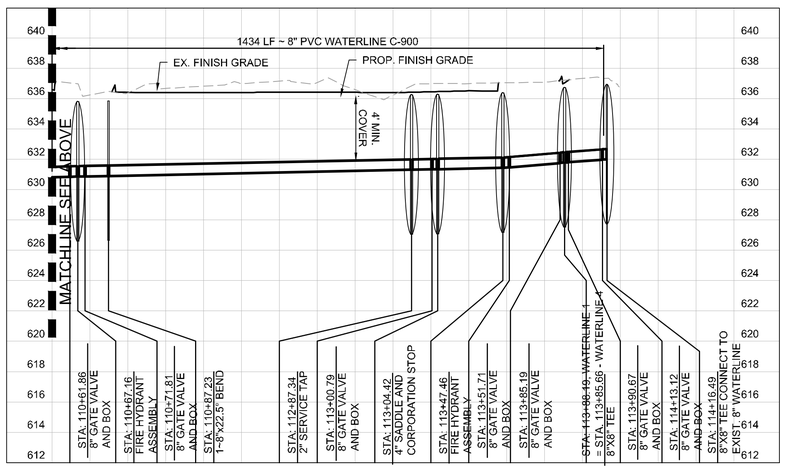
ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C14.03

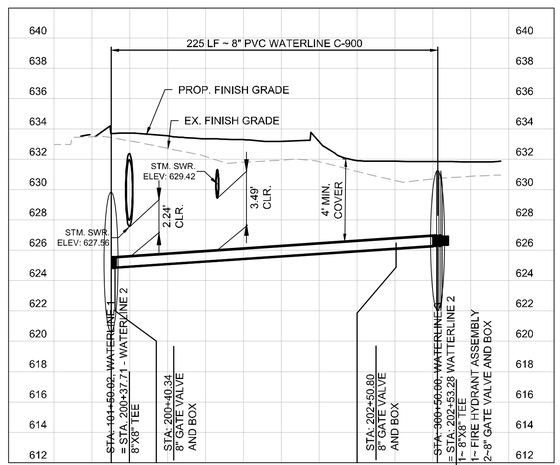
Plotted By: Acevedo, Eliath Sheet Set: Kha Layout: C14.03 January 09, 2020 06:31:05am K:\WDL_Aviation\067792503 - Addison Galaxy FBO\xCAD\dwg\Sheets\C14.00 WATERLINE.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



WATERLINE 1



WATERLINE 1



WATERLINE 2

NOTES:

1. WATERLINE CROSSING SANITARY SEWER - 2' OF VERTICAL CLEARANCE (OUTER WALL TO OUTER WALL) IS REQUIRED AND THE WATER PIPE MUST BE CENTERED OVER SANITARY SEWER PIPE WITH A MINIMUM LENGTH OF 18'. ALL CROSSINGS SHALL BE INSTALLED PER TCEQ REQUIRMENTS.
2. CONCRETE ENCASE ALL UTILITY CROSSING AT ALL TIMES TO PROTECT AGAINST WEIGHT AND FUTURE SETTLING.

GRAPHIC SCALE IN FEET
0 25 50 100
HORIZONTAL

0 2.5 5 10
VERTICAL

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn

© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-4700
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
LICENSED PROFESSIONAL ENGINEER
01/08/20

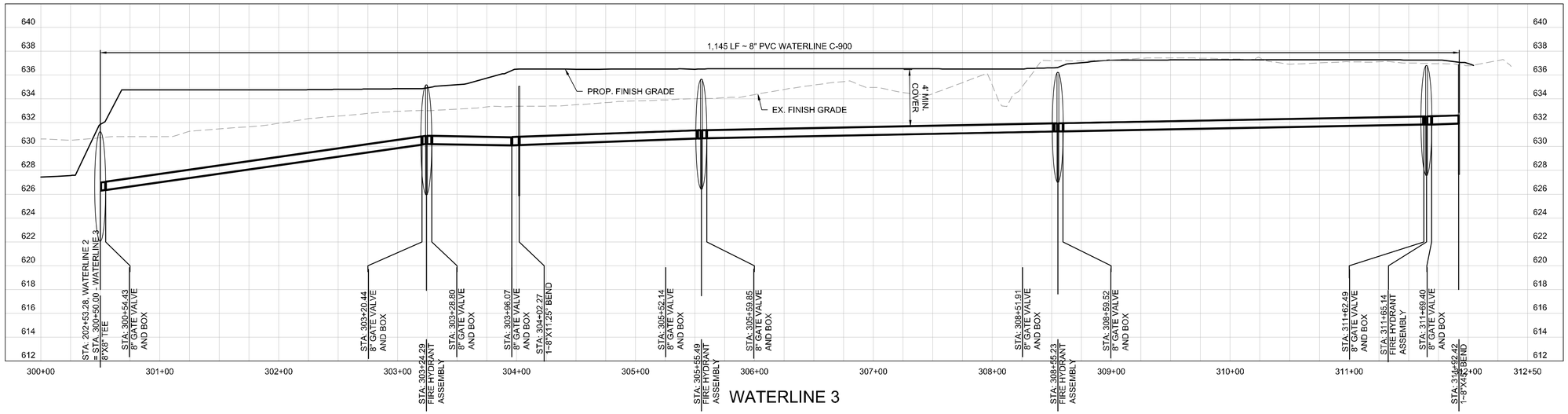
KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

WATERLINE PROFILES

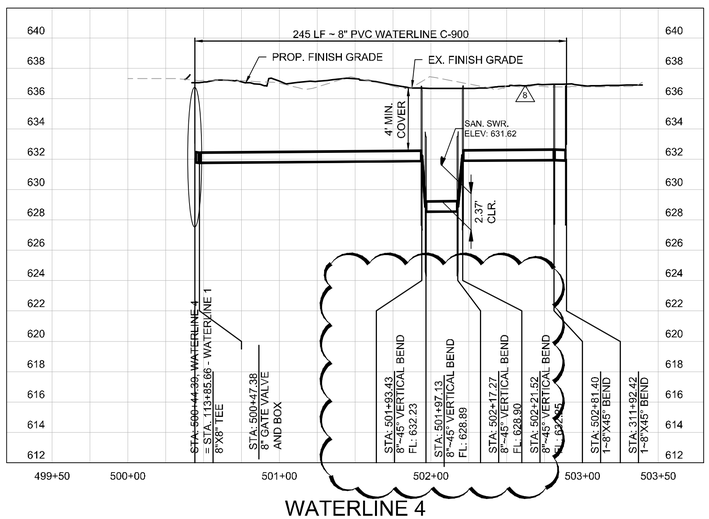
ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C14.04

Plotted By:Acevedo, Eliott Sheet Set:Kha Layout:C14.04 January 09, 2020 06:31:27am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C14.00 WATERLINE PROFILE.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



WATERLINE 3



WATERLINE 4

NOTES:

1. WATERLINE CROSSING SANITARY SEWER - 2' OF VERTICAL CLEARANCE (OUTER WALL TO OUTER WALL) IS REQUIRED AND THE WATER PIPE MUST BE CENTERED OVER SANITARY SEWER PIPE WITH A MINIMUM LENGTH OF 18'. ALL CROSSINGS SHALL BE INSTALLED PER TCEQ REQUIRMENTS.
2. CONCRETE ENCASE ALL UTILITY CROSSING AT ALL TIMES TO PROTECT AGAINST WEIGHT AND FUTURE SETTLING.

GRAPHIC SCALE IN FEET
0 25 50 100
HORIZONTAL

0 ### # ##
VERTICAL

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-1888
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
PROFESSIONAL ENGINEER
01/08/20

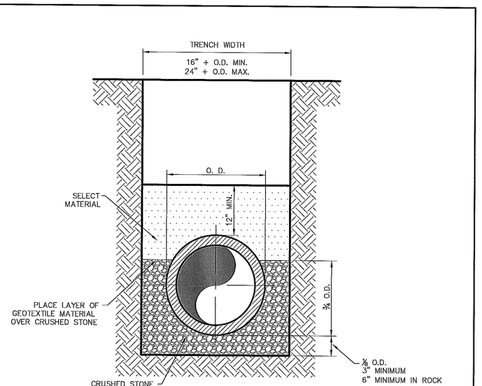
KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

WATERLINE PROFILES

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C14.05

Plotted By:Acevedo, Eliath Sheet Set:Kha Layout:C14.05 January 09, 2020 06:31:31am K:\WDL_Aviation\067792503 - Addison Galaxy FBO\ACAD\dwg\Sheets\C14.00 WATERLINE PROFILE.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



CLASS "B+" EMBEDMENT

CRUSHED STONE SHALL BE 3/4", PASSING # 4 SIEVE

TYPICAL P.V.C. WATER MAIN EMBEDMENT

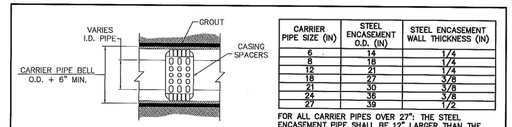
Addison
PUBLIC WORKS DEPARTMENT

P.V.C. WATER MAIN EMBEDMENT

STANDARD CONSTRUCTION DETAILS WATER

DATE:	REV DATE:	SHEET :
AUGUST, 2010	–	SD-905

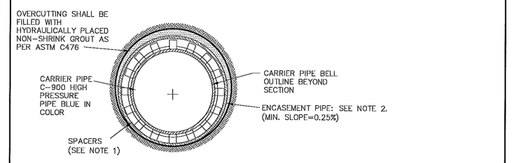
1



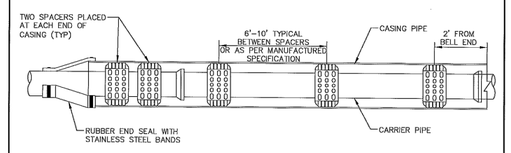
TYPICAL CASING SECTION

CARRIER PIPE SIZE (IN)	STEEL ENCASEMENT O.D. (IN)	STEEL ENCASEMENT WALL THICKNESS (IN)
6	14	1/4
8	16	1/4
12	21	1/4
18	27	3/8
21	30	3/8
24	36	3/8
27	39	1/2

FOR ALL CARRIER PIPES OVER 27": THE STEEL ENCASEMENT PIPE SHALL BE 12" LARGER THAN THE CARRIER PIPE AND THE STEEL ENCASEMENT WALL THICKNESS SHALL BE 1/2".



WATER MAIN ENCASEMENT



INSULATOR SPACING DETAIL

NOTES:

1. HIGH DENSITY POLYETHYLENE SPACERS, RACI OR EQUAL, SHALL BE USED. WHERE NO CASING PIPE IS REQUIRED OVERCUTTING AROUND UTILITY SHALL BE FILLED WITH HYDRAULICALLY PLACED NON-SHRINK GROUT AS PER ASTM C476.
2. ENCASEMENT PIPE SHALL BE HIGH DENSITY STEEL PIPE. ALL JOINTS TO BE WELDED 100%

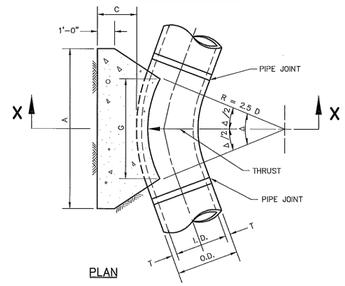
Addison
DEPARTMENT OF PUBLIC WORKS

CASING

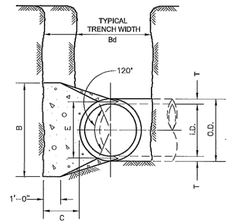
STANDARD CONSTRUCTION DETAILS WATER

DATE:	REV DATE:	SHEET :
AUGUST, 2010	–	SD-903

2



PLAN



SECTION X–X

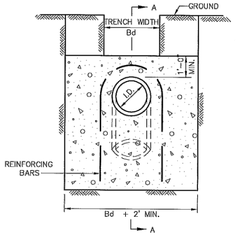
Addison
PUBLIC WORKS DEPARTMENT

HORIZONTAL THRUST BLOCK AT PIPE BEND

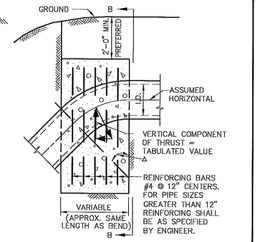
STANDARD CONSTRUCTION DETAILS WATER

DATE:	REV DATE:	SHEET :
AUGUST, 2010	–	SD-904

3



ELEVATION "B–B"



SECTION "A–A"

A	11.25°		22.50°		30°		45°		67.50°		90°		A
I.D. (IN.)	THRUST (TONS)	VOL. (C.Y.)	THRUST (TONS)	VOL. (C.Y.)	THRUST (TONS)	VOL. (C.Y.)	THRUST (TONS)	VOL. (C.Y.)	THRUST (TONS)	VOL. (C.Y.)	THRUST (TONS)	VOL. (C.Y.)	I.D. (IN.)
4,6,8	1.0	0.5	2.0	1.0	2.5	1.3	3.6	1.8	4.6	2.3	5.0	2.5	4,6,8
10,12	2.2	1.1	4.3	2.2	5.7	2.8	8.0	4.0	10.5	5.2	11.3	5.7	10,12
16,18	5.0	2.5	9.7	4.9	12.7	6.4	18.0	9.0	23.5	11.8	25.5	12.7	16,18
20	6.1	3.1	12.0	6.0	15.7	7.9	22.2	11.1	29.2	14.5	31.4	15.7	20
24	8.2	4.4	17.3	8.7	22.6	11.3	32.0	16.0	41.8	20.9	45.2	22.6	24
30	10.5	5.2	20.3	10.1	26.5	13.3	37.5	18.8	49.0	24.5	53.1	26.5	30
36	14.9	7.5	29.2	14.6	38.2	19.1	54.0	27.0	70.5	35.3	76.4	38.2	36
42	20.3	10.1	39.8	19.9	52.0	26.0	73.5	36.7	96.0	48.0	104.0	52.0	42
48	26.5	13.2	51.9	26.0	67.9	33.9	96.0	48.0	126.0	62.7	136.0	67.9	48
54	33.5	16.8	65.7	32.9	85.9	42.9	122.0	60.7	159.0	79.4	172.0	85.9	54
60	41.4	20.7	81.2	40.6	106.0	53.0	150.0	75.0	196.0	98.0	212.0	106.0	60
66	50.1	25.0	98.2	49.1	128.0	64.2	182.0	90.7	237.0	119.0	257.0	128.0	66
72	59.6	29.8	117.0	58.4	153.0	76.3	216.0	108.0	282.0	141.0	305.0	153.0	72
78	69.9	35.0	137.0	68.6	179.0	90.0	254.0	127.0	331.0	166.0	358.0	179.0	78
84	81.1	40.5	159.0	79.5	208.0	104.0	294.0	147.0	384.0	192.0	416.0	208.0	84
90	93.1	46.5	183.0	91.3	239.0	119.0	337.0	169.0	441.0	221.0	477.0	239.0	90
96	106.0	53.0	208.0	104.0	272.0	136.0	384.0	192.0	502.0	251.0	543.0	272.0	96

VERTICAL THRUST BLOCK

Addison
PUBLIC WORKS DEPARTMENT

VERTICAL THRUST BLOCK AT PIPE BEND

STANDARD CONSTRUCTION DETAILS WATER

DATE:	REV DATE:	SHEET :
AUGUST, 2010	–	SD-908

4

I.D. (IN.)	T (IN.)	Δ = 11.25° (FT.)	Δ ▶ 22.50° (FT.)	E (FT.)
4,6,8	0.4	1.5	1.5	0.9
10,12	0.5	1.5	1.5	1.2
16,18	0.6	1.5	1.5	1.6
20	0.7	1.5	1.5	1.8
24	0.9	1.5	1.5	2.1
30	2.9	1.5	1.9	2.6
36	4.5	1.5	2.3	3.3
42	5.0	1.8	2.6	3.8
48	5.5	2.0	3.0	4.3
54	6.0	2.3	3.4	4.8
60	6.5	2.5	3.8	5.3
66	6.8	2.8	4.1	5.7
72	7.5	3.0	4.5	6.3
78	7.5	3.3	4.9	6.7
84	8.0	3.5	5.3	7.2
90	8.5	3.8	5.6	7.7
96	9.0	4.0	6.0	8.2

I.D. (IN.)	Δ = 11.25°						I.D. (IN.)	Δ = 22.50°					
	G (FT.)	THRUST (TONS)	EARTH A (FT.)	EARTH B (FT.)	EARTH VOL. (C.Y.)	ROCK A (FT.)	ROCK B (FT.)	ROCK VOL. (C.Y.)		G (FT.)	THRUST (TONS)	EARTH A (FT.)	EARTH B (FT.)	EARTH VOL. (C.Y.)	ROCK A (FT.)	ROCK B (FT.)	ROCK VOL. (C.Y.)
4,6,8	0.4	1.0	1.0	1.5	0.1	1.0	1.0	0.1	4,6,8	0.8	2.0	1.5	1.5	0.1	1.0	1.0	0.1
10,12	0.6	2.2	1.5	1.5	0.1	1.0	1.5	0.1	10,12	1.1	4.4	2.0	2.5	0.3	1.5	1.5	0.1
16,18	0.8	5.0	2.0	2.5	0.3	1.5	2.0	0.2	16,18	1.6	9.9	3.0	3.5	0.6	2.0	2.5	0.3
20	0.9	6.2	2.0	3.5	0.4	1.5	3.0	0.3	20	1.8	12.3	3.5	3.5	0.7	2.0	3.0	0.4
24	1.1	8.9	3.0	3.5	0.5	1.5	3.0	0.3	24	2.2	17.7	4.0	4.5	1.0	3.0	3.5	0.5
30	1.4	10.4	3.0	3.5	0.6	2.0	3.5	0.4	30	2.7	20.7	5.0	4.5	1.5	3.0	4.0	0.8
36	1.7	15.0	3.5	4.5	0.9	2.0	4.0	0.5	36	3.3	29.8	5.5	5.5	2.3	4.0	4.0	1.3
42	1.9	20.4	4.5	5.0	1.5	2.5	5.0	0.8	42	3.8	40.5	7.0	6.0	3.9	4.5	5.0	2.1
48	2.2	26.6	4.5	6.0	2.0	2.5	6.0	1.1	48	4.4	52.9	8.0	7.0	5.7	4.5	6.0	2.8
54	2.5	33.7	6.0	6.0	3.0	3.0	6.0	1.4	54	4.9	67.0	9.0	8.0	8.0	6.0	6.0	4.1
60	2.7	41.6	6.0	7.0	3.8	3.0	7.0	1.8	60	5.5	82.7	9.5	9.0	10.6	6.0	7.0	5.3
66	3.0	50.3	6.5	8.0	5.1	3.5	8.0	2.7	66	6.0	100.1	10.5	10.0	14.1	6.5	8.0	7.2
72	3.3	59.9	7.5	8.0	6.3	4.0	8.0	3.3	72	6.6	119.1	11.0	11.0	17.6	7.5	8.0	9.1
78	3.6	70.2	8.0	9.0	8.1	4.0	9.0	3.9	78	7.1	139.8	12.0	12.0	22.5	8.0	9.0	11.7
84	3.8	81.5	8.5	10.0	10.3	4.5	10.0	5.3	84	7.6	162.1	13.0	12.5	27.2	8.5	10.0	14.8
90	4.1	93.5	9.5	10.0	12.2	5.0	10.0	6.3	90	8.2	186.1	14.0	13.5	33.7	9.5	10.0	17.7
96	4.4	106.4	10.0	11.0	15.0	5.0	11.0	7.4	96	8.7	211.7	15.0	14.5	41.2	10.0	11.0	21.8

TABLES OF DIMENSIONS AND QUANTITIES

Addison
PUBLIC WORKS DEPARTMENT

HORIZONTAL THRUST BLOCK DIMENSIONS & QUANTITIES

STANDARD CONSTRUCTION DETAILS WATER

DATE:	REV DATE:	SHEET :
AUGUST, 2010	–	SD-905

5

I.D. (IN.)	Δ = 30°							I.D. (IN.)	Δ = 45°						
			EARTH			ROCK					EARTH			ROCK	
	G (FT.)	THRUST (TONS)	A (FT.)	B (FT.)	VOL. (C.Y.)	A (FT.)	B (FT.)	VOL. (C.Y.)		G (FT.)	THRUST (TONS)	A (FT.)	B (FT.)	VOL. (C.Y.)	A (FT.)	B (FT.)	VOL. (C.Y.)
4,6,8	1.0	2.6	2.0	1.5	0.2	1.0	1.5	0.1	4,6,8	1.5	3.9	2.0	2.0	0.2	1.5	1.5	0.1
10,12	1.5	5.9	2.5	2.5	0.3	2.0	1.5	0.2	10,12	2.2	8.7	3.5	2.5	0.5	2.0	2.5	0.3
16,18	2.2	13.2	3.5	4.0	0.8	2.5	3.0	0.4	16,18	3.2	19.5	4.5	4.5	1.2	3.0	3.5	0.6
20	2.4	16.3	4.5	4.0	1.0	3.0	3.0	0.5	20	3.6	24.1	5.5	4.5	1.5	3.5	3.5	0.7
24	2.9	23.4	6.0	4.0	1.4	3.5	3.5	0.7	24	4.3	34.6	8.0	4.5	2.3	4.5	4.0	1.1
30	3.6	27.5	6.5	5.0	1.9	3.5	4.0	0.9	30	5.4	40.6	8.5	5.0	3.2	5.5	4.0	1.6
36	4.4	39.5	7.0	6.0	3.4	4.5	4.5	1.6	36	6.5	58.5	10.0	6.0	5.3	6.5	4.5	2.6
42	5.1	53.8	8.0	7.0	5.1	5.5	5.0	2.5	42	7.5	79.6	11.5	7.0	8.1	8.0	5.0	4.2
48	5.8	70.3	9.0	8.0	7.4	6.0	6.0	3.7	48	8.6	104.0	13.0	8.0	11.9	9.0	6.0	6.3
54	6.5	89.0	10.0	9.0	10.3	7.0	6.5	5.3	54	9.7	131.5	15.0	9.0	17.1	10.5	6.5	8.9
60	7.3	110.0	11.0	10.0	13.9	7.5	7.5	7.3	60	10.7	162.4	16.5	10.0	23.1	11.0	7.5	12.0
66	8.0	132.9	12.5	11.0	18.9	8.5	8.0	9.6	66	11.8	196.5	18.0	11.0	30.1	12.0	8.5	16.2
72	8.7	158.2	13.5	12.0	24.0	9.0	9.0	12.3	72	12.9	233.9	19.5	12.0	38.6	14.0	8.5	20.7
78	9.4	185.6	14.5	13.0	30.0	10.0	9.5	15.6	78	13.9	274.5	21.5	13.0	49.8	14.5	9.5	25.9
84	10.1	215.3	15.5	14.0	37.1	10.5	10.5	19.5	84	15.0	318.4	23.0	14.0	61.2	15.5	10.5	32.8
90	10.9	247.1	16.5	15.0	45.0	11.5	11.0	23.9	90	16.1	365.5	24.5	15.0	74.5	17.5	10.5	39.6
96	11.6	281.2	18.0	16.0	55.5	12.5	11.5	28.9	96	17.1	415.6	26.0	16.0	89.5	18.5	11.5	48.5

I.D. (IN.)	Δ = 67.50°							I.D. (IN.)	Δ = 90°						
			EARTH			ROCK					EARTH			ROCK	
	G (FT.)	THRUST (TONS)	A (FT.)	B (FT.)	VOL. (C.Y.)	A (FT.)	B (FT.)	VOL. (C.Y.)		G (FT.)	THRUST (TONS)	A (FT.)	B (FT.)	VOL. (C.Y.)	A (FT.)	B (FT.)	VOL. (C.Y.)
4,6,8	2.1	5.6	3.0	2.0	0.3	2.0	1.5	0.2	4,6,8	2.7	7.1	5.0	1.5	0.4	2.0	2.0	0.2
10,12	3.1	12.6	5.5	2.5	0.8	3.5	2.0	0.4	10,12	4.0	16.0	6.5	2.5	1.0	3.5	2.5	0.5
16,18	4.7	28.3	7.5	4.0	1.9	5.5	3.0	0.9	16,18	6.0	36.0	9.0	4.0	2.4	4.5	4.0	1.0
20	5.2	34.9	9.0	4.0	2.3	5.5	3.5	1.2	20	6.6	44.4	10.0	4.5	3.1	5.0	4.0	1.5
24	6.2	50.3	11.5	4.5	3.5	6.5	4.0	1.8	24	7.9	64.0	14.5	4.5	5.0	8.0	4.0	2.1
30	7.8	58.9	12.0	5.0	4.8	7.5	4.0	2.2	30	9.9	75.0	15.0	5.0	6.7	10.0	4.0	3.3
36	9.4	84.9	14.5	6.0	8.2	9.5	4.5	3.8	36	11.9	108.0	18.0	6.0	11.4	12.0	4.5	5.3
42	10.9	115.5	17.0	7.0	12.8	11.0	5.5	6.3	42	13.9	147.0	21.0	7.0	17.8	14.0	5.5	8.7
48	12.5	150.9	19.0	8.0	18.4	13.0	6.0	9.2	48	15.9	192.0	24.0	8.0	26.2	16.0	6.0	12.4
54	14.0	191.0	21.5	9.0	26.0	15.0	6.5	12.9	54	17.9	243.0	27.0	9.0	36.9	18.0	7.0	18.1
60	15.6	235.8	24.0	10.0	35.6	16.0	7.5	17.6	60	19.9	299.8	30.0	10.0	50.3	20.0	7.5	24.0
66	17.1	285.3	26.0	11.0	46.0	18.0	8.0	23.0	66	21.8	362.8	33.0	11.0	66.2	22.0	8.5	32.5
72	18.7	339.5	28.5	12.0	57.8	19.0	9.0	28.4	72	23.8	431.8	36.0	12.0	85.6	24.0	9.0	41.0
78	20.2	398.5	31.0	13.0	75.7	21.0	9.5	37.4	78	25.7	506.7	39.0	13.0	108.2	26.0	10.0	53.2
84	21.8	462.1	33.5	14.0	94.7	22.0	10.5	46.5	84	27.7	587.7	42.0	14.0	134.4	28.0	10.5	64.8
90	23.3	530.5	35.5	15.0	114.4	24.5	11.0	58.2	90	29.0	674.6	45.0	15.0	164.9	30.0	11.5	81.2
96	24.9	603.6	38.0	16.0	138.9	25.5	12.0	70.0	96	31.6	767.5	48.0	16.0	199.0	32.0	12.0	95.1

TABLES OF DIMENSIONS AND QUANTITIES

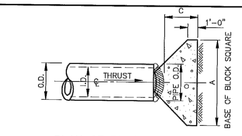
Addison
PUBLIC WORKS DEPARTMENT

HORIZONTAL THRUST BLOCK DIMENSIONS & QUANTITIES

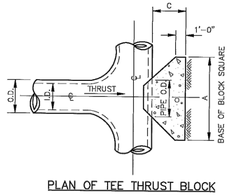
STANDARD CONSTRUCTION DETAILS WATER

DATE:	REV DATE:	SHEET :
AUGUST, 2010	–	SD-906

6



PLAN OF PLUG THRUST BLOCK



PLAN OF TEE THRUST BLOCK

I.D. (IN.)	THRUST (TONS)	C (FT.)	EARTH A (FT.)	EARTH VOL. (C.Y.)	ROCK A (FT.)	ROCK VOL. (C.Y.)
4,6,8	5.1	1.5	2.5	0.3	2.0	0.2
10,12	11.3	1.5	3.5	0.6	2.5	0.3
16,18	25.5	2.0	5.5	1.6	4.0	0.9
20	31.5	2.0	6.0	1.9	4.0	0.9
24	45.2	2.5	7.0	3.1	5.0	1.7
30	53.0	3.0	7.5	4.1	5.5	2.4
36	76.3	4.0	9.0	7.3	6.5	4.2
42	104.0	4.5	10.5	11.0	7.5	6.2
48	136.0	5.0	12.0	15.6	8.5	8.7

I.D. (IN.)	THRUST (TONS)	C (FT.)	EARTH A (FT.)	EARTH VOL. (C.Y.)	ROCK A (FT.)	ROCK VOL. (C.Y.)
54	172.0	5.5	13.5	21.4	9.5	11.9
60	212.0	6.0	15.0	28.4	10.5	15.7
66	257.0	6.5	16.5	36.8	11.5	20.5
72	305.0	7.5	17.5	47.2	12.5	27.2
78	358.0	8.0	19.0	58.9	13.5	33.7
84	416.0	8.5	20.5	72.3	14.5	41.2
90	477.0	9.0	22.0	87.7	15.5	49.7
96	543.0	9.5	23.5	104.8	16.5	61.0

TABLES OF DIMENSIONS AND QUANTITIES

Addison
PUBLIC WORKS DEPARTMENT

HORIZONTAL THRUST BLOCK AT TEES & PLUGS

STANDARD CONSTRUCTION DETAILS WATER

DATE:	REV DATE:	SHEET :
AUGUST, 2010	–	SD-907

7

8

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn

© 2019 KIMLEY-HORN AND ASSOCIATES, INC.

1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-5937
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

JOSEPH J. MALO
80953
LICENSED PROFESSIONAL ENGINEER
01/08/20

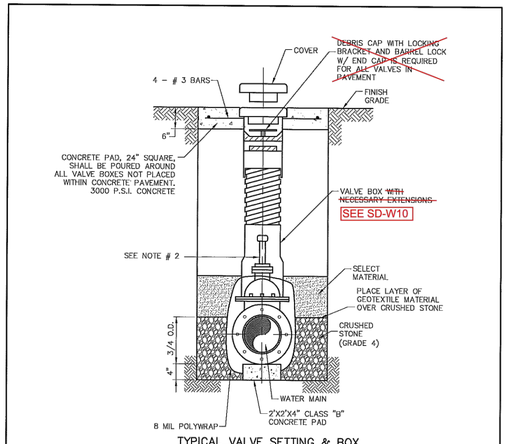
KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
ADDISON, DALLAS, TEXAS

WATERLINE DETAILS

SHEET NUMBER
C14.06

Plotted By:Acevedo, Elioth Sheet Set:Kha Layout:C14.06 January 09, 2020 06:31:51am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C14.00 WATERLINE DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

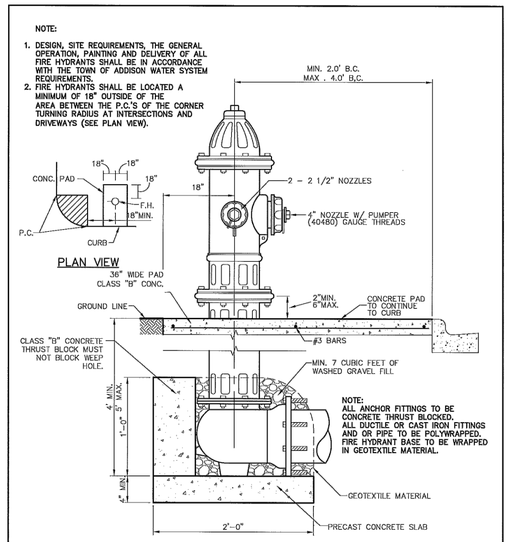


TYPICAL VALVE SETTING & BOX

NOTE:
1. 4"-12" R.S. GATE VALVES SHALL BE IN ACCORDANCE WITH TOWN OF ADDISON WATER SYSTEM REQUIREMENTS.
2. A PERMANENTLY ATTACHED VALVE EXTENSION STEM SHALL BE REQUIRED FOR ANY VALVE WHERE THE OPERATING NUT IS LOCATED IN EXCESS OF 5 FEET BELOW THE TOP OF VALVE BOX. THIS EXTENSION SHALL BE OF SUFFICIENT LENGTH TO INSURE THAT ITS TOP IS WITHIN 5 FEET OF VALVE BOX LID.
3. BLUE "V" (3") CUT INTO FACE OF NEAREST CURB AND POINTING TOWARD THE VALVE.
4. ALL IRON MATERIALS SHALL BE DOMESTIC. (MADE IN USA)
5. CRUSHED STONE SHALL BE 3/4", PASSING #4 SIEVE.

Addison! PUBLIC WORKS DEPARTMENT	VALVE SETTING ~~BOX~~	STANDARD CONSTRUCTION DETAILS WATER		
		DATE: AUGUST, 2010	REV DATE: 04/06/17	SHEET : SD-W09

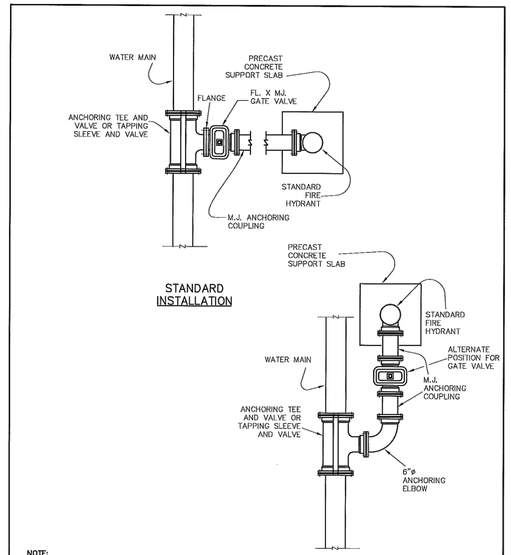
1



TYPICAL FIRE HYDRANT INSTALLATION

Addison! PUBLIC WORKS DEPARTMENT	TYPICAL FIRE HYDRANT INSTALLATION	STANDARD CONSTRUCTION DETAILS WATER		
		DATE: AUGUST, 2010	REV DATE: –	SHEET : SD-W16

2

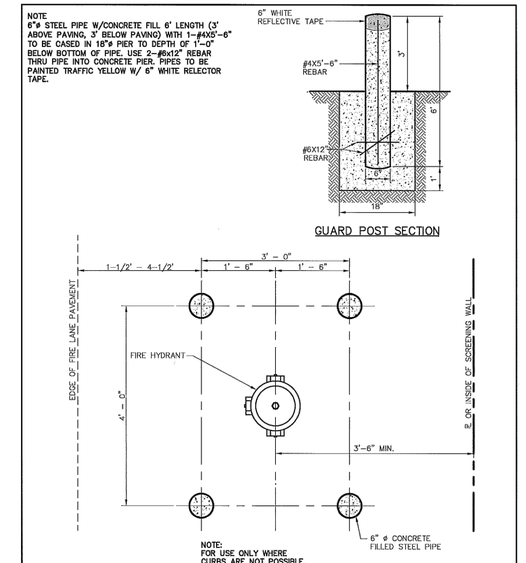


NOTE:
MEGALUGS SHALL BE USED AT ALL TEES AND BENDS.

ALTERNATE INSTALLATION

Addison! PUBLIC WORKS DEPARTMENT	TYPICAL FIRE HYDRANT INSTALLATION	STANDARD CONSTRUCTION DETAILS WATER		
		DATE: AUGUST, 2010	REV DATE: –	SHEET : SD-W17

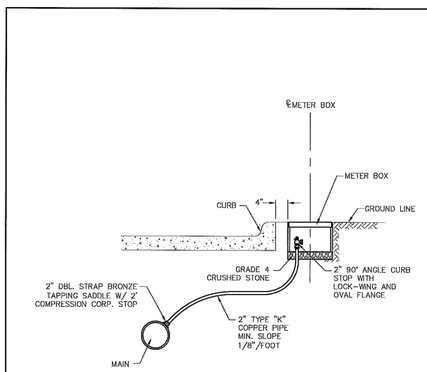
3



FIRE HYDRANT GUARD POST DETAIL

Addison! PUBLIC WORKS DEPARTMENT	FIRE HYDRANT GUARD POST	STANDARD CONSTRUCTION DETAILS WATER		
		DATE: AUGUST, 2010	REV DATE: –	SHEET : SD-W18

4

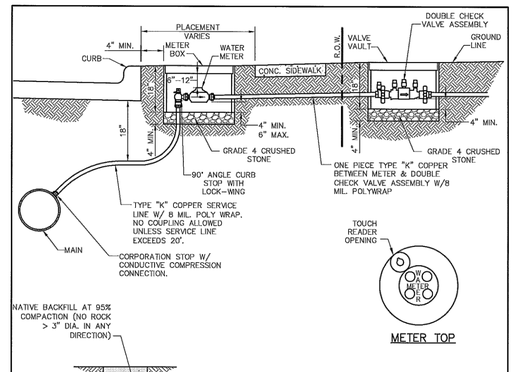


2" BLOW OFF

Type "K" Copper Service Pipe.	Double Strap Bronze Service Saddle with C.C. Threads	East Jordan Iron Works Galvanized Meter Box With Iron Ring & Cover				
		Min. Dia.	Covers & Rigns	Min. Ht.	Min. Can Weight	Min. Total Weight
2 Inch	2 Inch	28 Inches	20¾ Inches	18 Inches	20 lbs.	127 lbs.

Addison! PUBLIC WORKS DEPARTMENT	2" BLOW OFF WITH METER BOX	STANDARD CONSTRUCTION DETAILS WATER		
		DATE: AUGUST, 2010	REV DATE: –	SHEET : SD-W15

5



GENERAL INSTALLATION NOTES:
1. WATER METER SHALL BE PLACED IN CENTER OF LOT WITH THE SANITARY SEWER SERVICE TO BE LOCATED 10' DOWNSTREAM.
2. METER AND BOX SHALL BE SET BY THE CONTRACTOR TO ADDISON STANDARDS IN ALL CASES.
3. THE METER BOX SHALL BE SET WITHIN THE R.O.W. OR A DEDICATED UTILITY EASEMENT. IN ALL CASES, THE METER BOX SHALL BE PROTECTED FROM VEHICULAR TRAFFIC.
4. WATER SERVICES SHALL NOT BE CONNECTED TO DEAD END LINES OR FIRE HYDRANT LEADS.
5. ALL MATERIALS SHALL CONFORM TO THE TOWN OF ADDISON WATER SYSTEM REQUIREMENTS.

Type "K" Copper Service Pipe.	Double Strap Bronze Service Saddle with C.C. Threads	East Jordan Iron Works Galvanized Meter Box With Iron Ring & Cover				
		Min. Dia.	Covers & Rigns	Min. Ht.	Min. Can Weight	Min. Total Weight
3/4 Inch	3/4 Inch	18 Inches	12¾ Inches	18 Inches	13 lbs.	42 lbs.
1 Inch	1 Inch	24 Inches	20¾ Inches	18 Inches	17 lbs.	98 lbs.
1 1/2 Inch	1 1/2 Inch	28 Inches	20¾ Inches	18 Inches	20 lbs.	127 lbs.
2 Inch	2 Inch	28 Inches	20¾ Inches	18 Inches	20 lbs.	127 lbs.

Addison! PUBLIC WORKS DEPARTMENT	SERVICE CONNECTION WITH METER BOX	STANDARD CONSTRUCTION DETAILS WATER		
		DATE: AUGUST, 2010	REV DATE: –	SHEET : SD-W20

6

7

8

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-1888
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
LICENSED PROFESSIONAL ENGINEER
01/08/20

KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

WATERLINE DETAILS

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C14.07

Plotted By:Acevedo, Eliath Sheet Set:Kha Layout:C14.07 January 09, 2020 06:31:54am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C14.00 WATERLINE DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

TAXIWAY A

NORTH

REFER TO LOW VOLTAGE DESIGN PACKAGE FOR DETAILS OF TELECOM SERVICE CONNECTION AND DISTRIBUTION THROUGH THE SITE.

EXISTING POWER POLE

COORDINATE LOCATION OF OVERHEAD POWER LINE AND POWER POLE WITH UTILITY COMPANY

EXISTING POWER POLE

HANGAR I
15525

1~4" PLUG
REFER TO MEP
N: 7037286.09
E: 2480948.84

5.0' (4' MIN CLEAR)

1~4"X90° BEND
N: 7037286.63
E: 2480987.11

1~4"X22.5° BEND
N: 7037666.78
E: 2480981.70

FBO
15601

HANGAR II
15625

HANGAR III
15675

1~4" PLUG
REFER TO MEP
N: 7037820.71
E: 2480850.43

PROPOSED ELEC. TRANSFORMER AND ASSOCIATED EQUIPMENT. REFER TO MEP ELECTRICAL SITE PLAN FOR DETAILS OF THE EQUIP. LAYOUT AND CONTINUATION OF SECONDARY ELEC. CONDUIT & WIRING THROUGHOUT THE SITE.

1~4" PLUG
REFER TO MEP
N: 7038119.63
E: 2480715.98

7.2' (4' MIN CLEAR)

5.7' (4' MIN CLEAR)

4.7' (4' MIN CLEAR)

1~4" CROSS
N: 7037844.84
E: 2480912.79

4' GAS LINE

1~4"X22.5° BEND
N: 7037856.59
E: 2480943.15

CONNECT TO
GAS METER
N: 7037856.98
E: 2480968.15

1~4"X22.5° BEND
N: 7038046.68
E: 2480815.77

1~4"X90° BEND
N: 7038143.71
E: 2480778.21

1~4"X22.5° BEND
N: 7038008.68
E: 2480849.38

CONNECT TO UNDERGROUND
ELECTRICAL SERVICE CROSSING
PROVIDED BY ONCOR
N: 7037935.84
E: 2480983.18

FESTIVAL WAY

ADDISON ROAD

ADDISON CIRCLE

GRAPHIC SCALE IN FEET
0 30 60 120

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
5	ADDENDUM #5	10/24/2019	JM
6	ADDENDUM #6	12/11/2019	JM
8	ADDENDUM #6	01/08/2020	JM

Kimley»Horn

© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-1888 FAX: 281-419-1828
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
PROFESSIONAL ENGINEER

01/08/20

KHA PROJECT
067792503

DATE
12/11/2019

SCALE AS SHOWN

DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

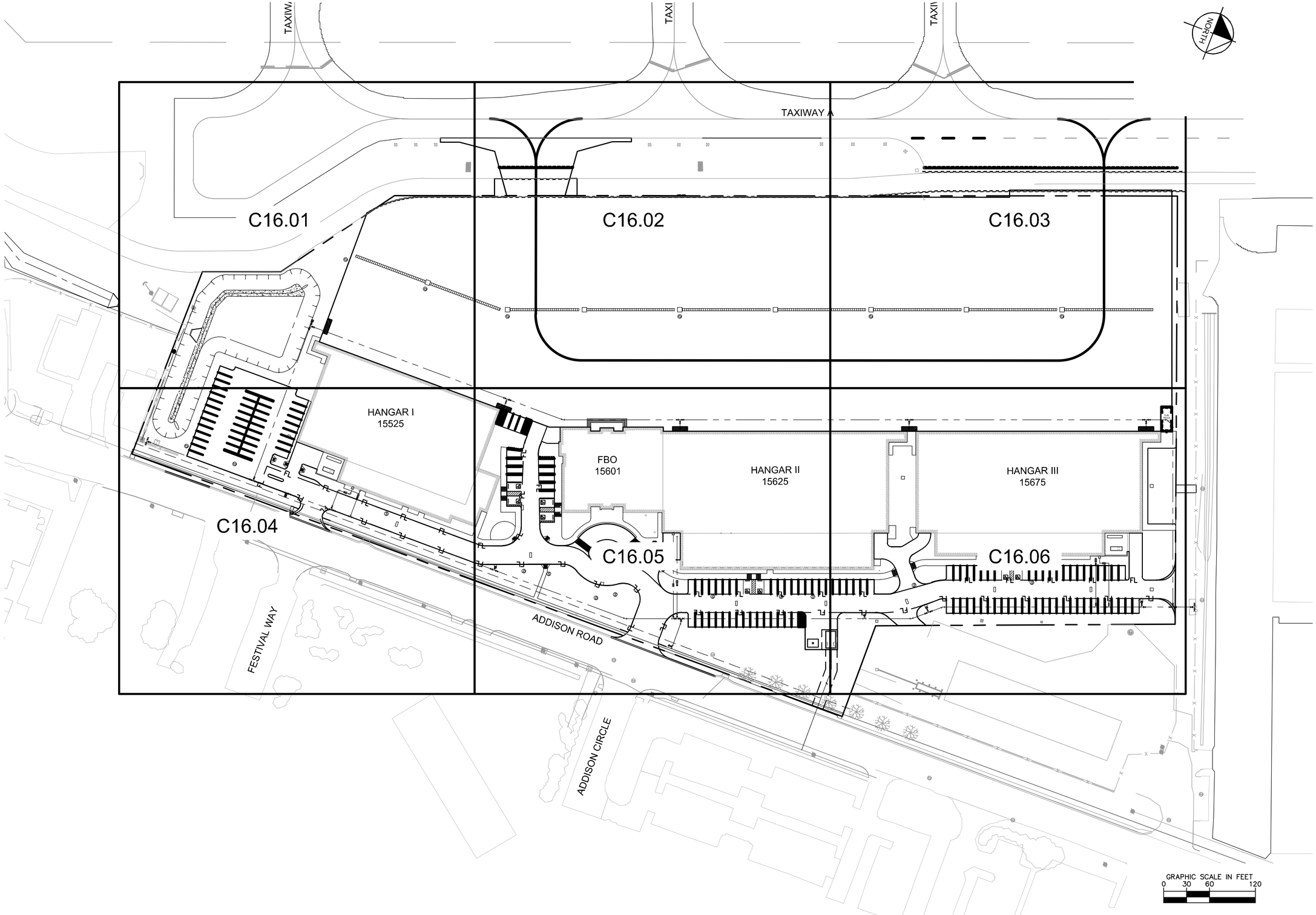
DRY UTILITY LAYOUT PLAN

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C15.00

Plotted By:Acevedo, Eliott Sheet Set:Kha Layout:C15.00 January 09, 2020 06:32:14am K:\WDL_Aviation\067792503 - Addison Galaxy FBO\ACAD\dwg\Sheets\C15.00 GAS PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By:Acevedo, Eliath Sheet Set:Kha Layout:C16.00 January 09, 2020 06:32:43am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C16.00 MARKING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn

© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: (281) 419-5937
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
PROFESSIONAL ENGINEER
01/08/20

KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

PAVEMENT MARKING PLAN KEY MAP

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C16.00

Plotted By:Acevedo, Eliath Sheet Set:Kha Layout:C16.01 January 09, 2020 06:32:46pm K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C16.00 MARKING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

TAXIWAY A

9
C16.07

MATCHLINE SEE SHEET C16.02

N: 7037161.15
E: 2480751.06

2
C16.08

N: 7037161.44
E: 2480771.06

MATCHLINE SEE SHEET C16.04

GRAPHIC SCALE IN FEET
0 10 20 40

KEY PLAN

NORTH

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn

© 2019 KIMLEY-HORN AND ASSOCIATES, INC.

1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 832-823-4755
TBPE FIRM REGISTRATION #
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
PROFESSIONAL ENGINEER

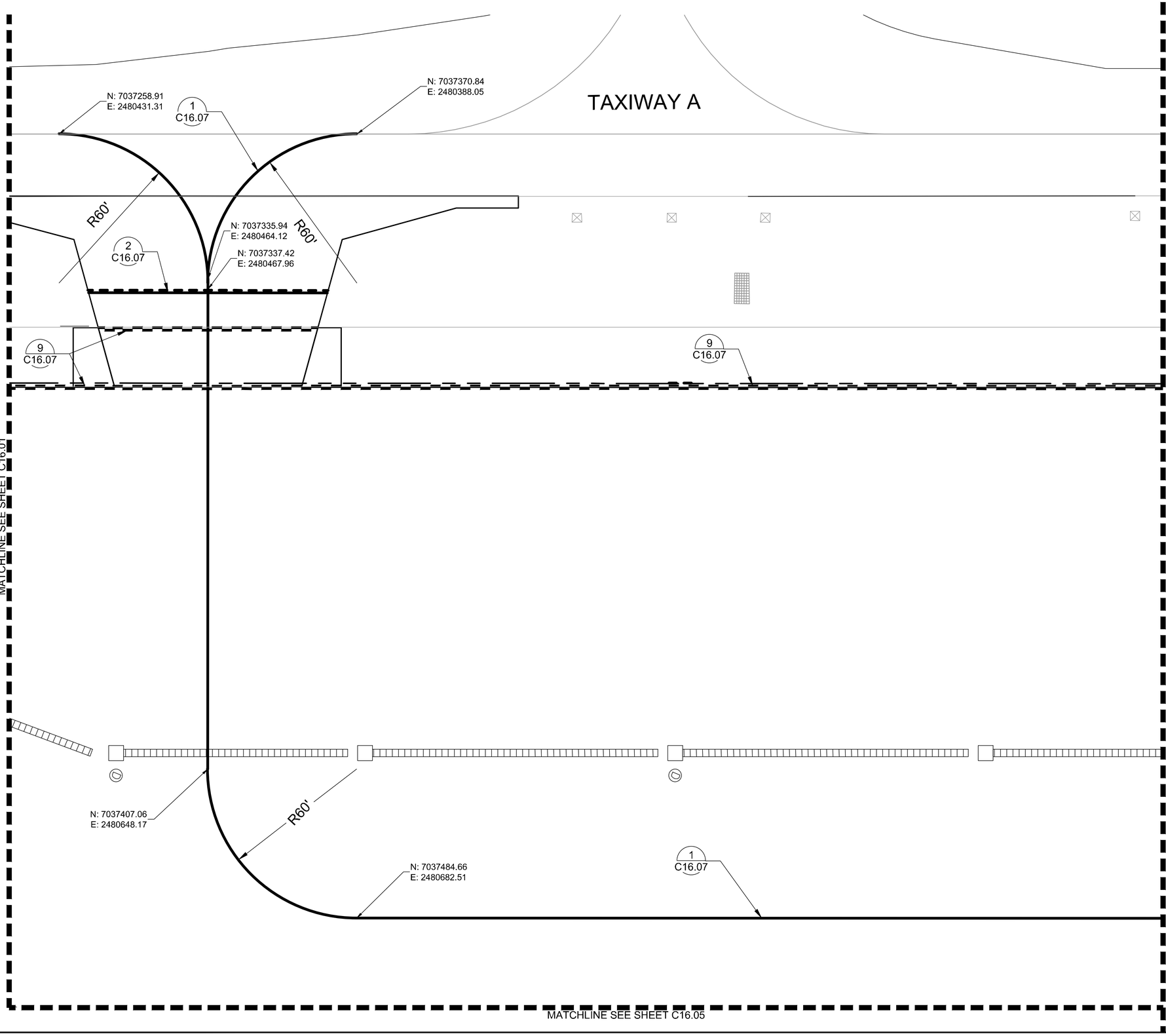
01/08/20

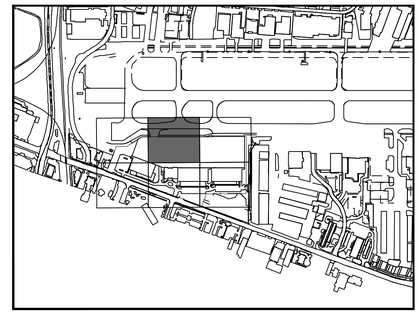
KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

PAVEMENT MARKING PLAN

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
ADDISON DALLAS, TEXAS

SHEET NUMBER
C16.01





KEY PLAN

NORTH

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn

© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-4488
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
PROFESSIONAL ENGINEER

01/08/20

KHA PROJECT	067792503
DATE	12/11/2019
SCALE	AS SHOWN
DESIGNED BY	HCV
DRAWN BY	EAC
CHECKED BY	HCV

PAVEMENT MARKING PLAN

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C16.02

Plotted By:Acevedo, Eliath Sheet Set:Kha Layout:C16.02 January 09, 2020 06:32:52am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C16.00 MARKING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By:Acevedo, Eiloth Sheet Set:Kha Layout:C16.03 January 09, 2020 06:32:55am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C16.00 MARKING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

TAXIWAY A

N: 7037951.99
E: 2480163.40

N: 7038063.92
E: 2480120.13

N: 7038029.59
E: 2480197.73

R60'

R60'

1
C16.08

2
C16.07

9
C16.07

9
C16.07

MATCHLINE SEE SHEET C16.02

N: 7038044.46
E: 2480236.20

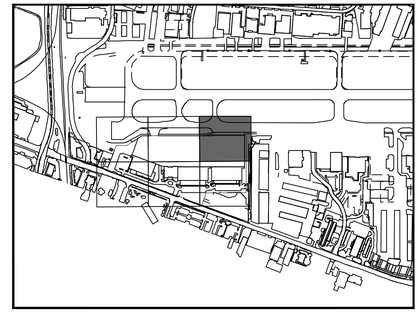
N: 7038100.15
E: 2480380.26

R60'

1
C16.07

N: 7038065.82
E: 2480457.86

MATCHLINE SEE SHEET C16.06



KEY PLAN

NORTH

GRAPHIC SCALE IN FEET
0 10 20 40

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn

© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-1888 FAX: 281-419-1928
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
LICENSED PROFESSIONAL ENGINEER
01/08/20

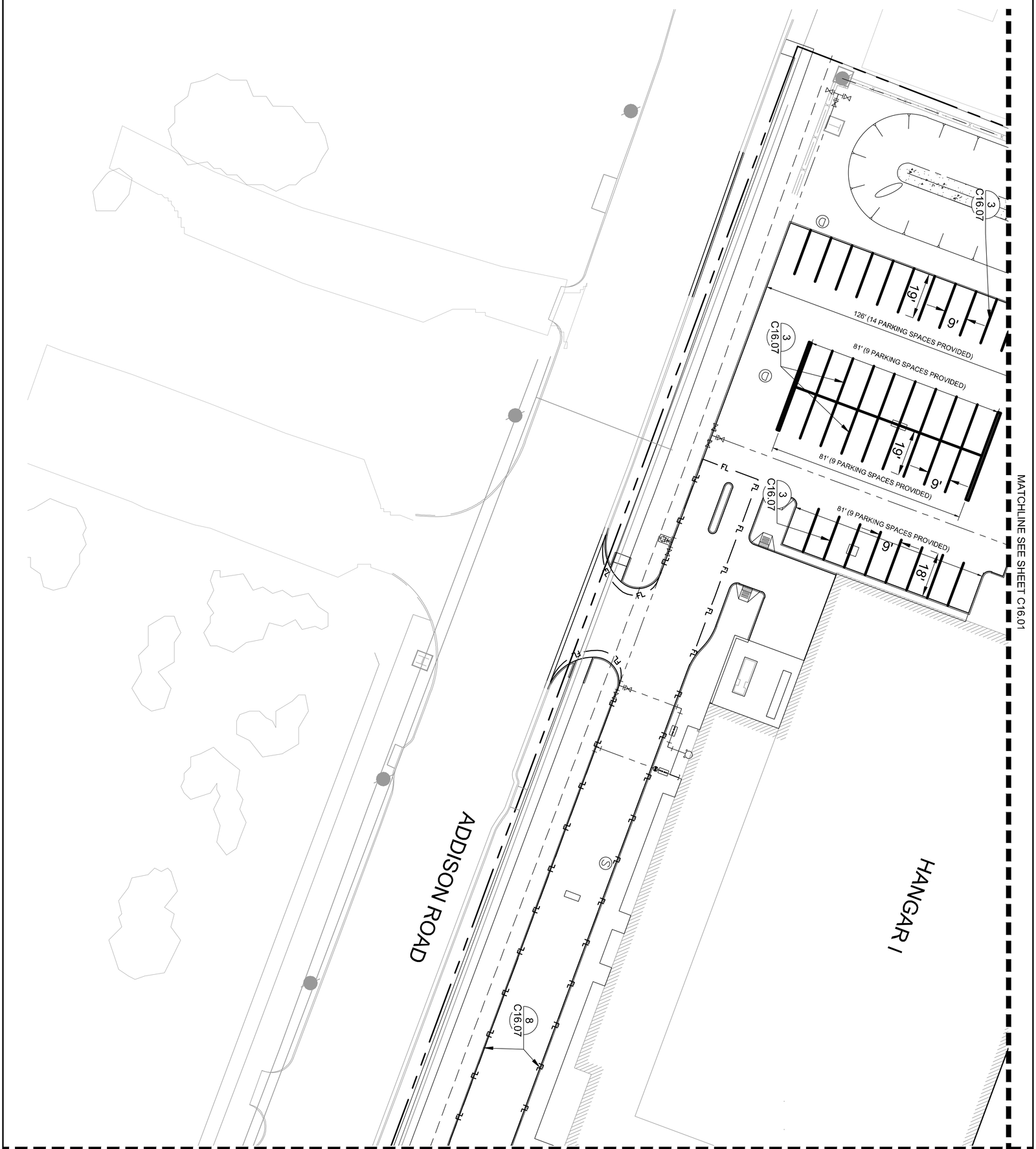
KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN | DESIGNED BY HCV | DRAWN BY EC EAC | CHECKED BY HCV

PAVEMENT MARKING PLAN

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
ADDISON DALLAS, TEXAS

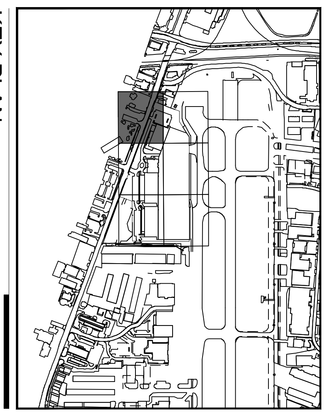
SHEET NUMBER
C16.03

Plotted By:Acevedo, Elioth Sheet Set:Kha Layout:C16.04 January 09, 2020 06:33:00am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C16.00 MARKING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



GRAPHIC SCALE IN FEET
0 10 20 40

KEY PLAN



NORTH

C16.04 SHEET NUMBER

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
ADDISON DALLAS, TEXAS

PAVEMENT MARKING PLAN

KHA PROJECT	067792503
DATE	12/11/2019
SCALE	AS SHOWN
DESIGNED BY	HCV
DRAWN BY	EC EAC
CHECKED BY	HCV

02/80/10

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-475-2816
TBPE FIRM REGISTRATION F-928
WWW.KIMLEY-HORN.COM

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

MATCHLINE SEE SHEET C16.02

MATCHLINE SEE SHEET C16.04

MATCHLINE SEE SHEET C16.06

N: 7037421.87
E: 2480773.90

N: 7037645.19
E: 2480713.18

2 C16.08

3 C16.07

4 C16.07

5 C16.07

6 C16.07

8 C16.07

5 & 6 C16.07

3 C16.07

FBO

HANGAR II

ADDISON ROAD

PARKING SPACES (4 VIP)

40'

51'

PARKING SPACES (5 VIP)

19'

9'

VAN

R27'

R10'

243' (26 PARKING SPACES PROVIDED)

144' (16 PARKING SPACES)

KEY PLAN

NORTH

GRAPHIC SCALE IN FEET
0 10 20 40

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn

© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-4488 FAX: 281-419-4495
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
PROFESSIONAL ENGINEER
01/08/20

KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

PAVEMENT MARKING PLAN

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C16.05

Plotted By:Acevedo, Elioth Sheet Set:Kha Layout:C16.05 January 09, 2020 06:33:03am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C16.00 MARKING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

MATCHLINE SEE SHEET C16.03

MATCHLINE SEE SHEET C16.05

HANGAR III

N: 7038213.61
E: 2480465.44

N: 7037924.69
E: 2480605.06

N: 7038225.15
E: 2480495.29

N: 7038195.62
E: 2480500.35

2 C16.08

7 C16.07

FUEL TRUCK

32'

14'

3 C16.07

5 C16.07

3 & 6 C16.07

8 C16.07

9'

19'

FL

234' (25 PARKING SPACES)

252' (28 PARKING SPACES)

GRAPHIC SCALE IN FEET
0 10 20 40

KEY PLAN

NORTH

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn

© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 832-823-2200 FAX: 281-419-2385
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
LICENSED PROFESSIONAL ENGINEER

01/08/20

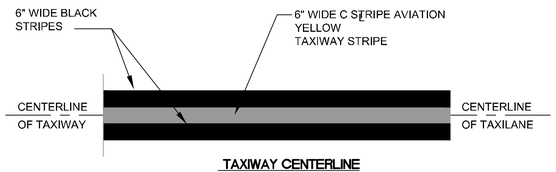
KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN | DESIGNED BY HCV | DRAWN BY EC EAC | CHECKED BY HCV

PAVEMENT MARKING PLAN

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
ADDISON, DALLAS, TEXAS

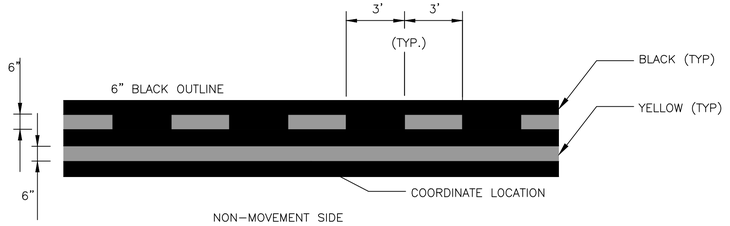
SHEET NUMBER
C16.06

Plotted By:Acevedo, Elioth Sheet Set:Kha Layout:C16.06 January 09, 2020 06:33:08am K:\WDL_Aviation\067792503 — Addison Galaxy FBO\ACAD\dwg\Sheets\C16.00 MARKING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

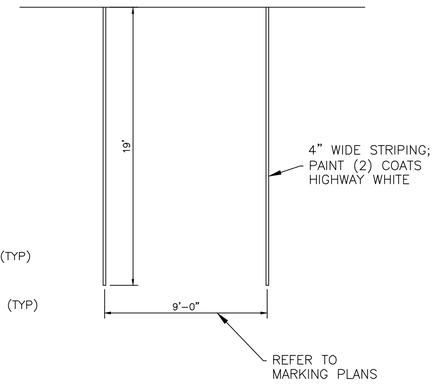


TAXIWAY CENTERLINE

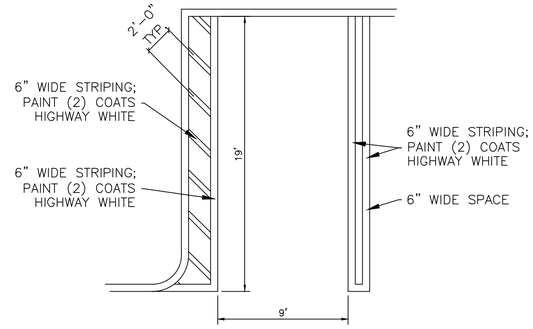
1 TAXILANE CENTERLINE MARKING DETAIL
N.T.S.



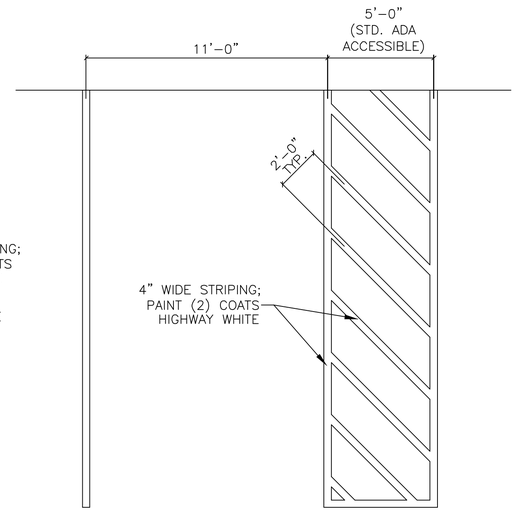
2 NON-MOVEMENT AREA MARKING
N.T.S.



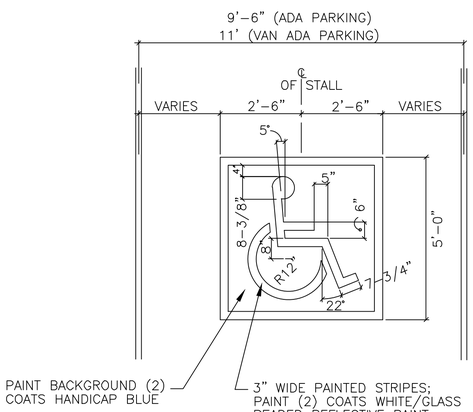
3 REGULAR PARKING STRIPE DETAIL
N.T.S.



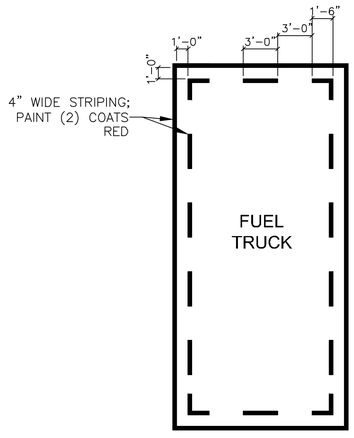
4 VIP PARKING STRIPE DETAIL
N.T.S.



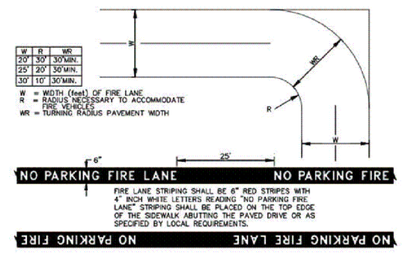
5 ADA VAN ACCESSIBLE PARKING DETAIL
N.T.S.



6 HANDICAP MARKING DETAIL
N.T.S.

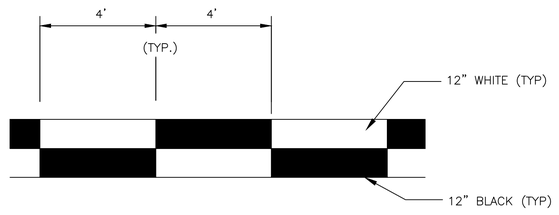


7 FUEL TRUCK PARKING MARKING DETAIL
N.T.S.



FIRE LANE MARKING
NOT TO SCALE

8 FIRE LANE MARKING
N.T.S.



ROADWAY EDGE STRIPES
ZIPPER MARKING DETAIL
9
N.T.S.

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-1888
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
PROFESSIONAL ENGINEER
01/08/20

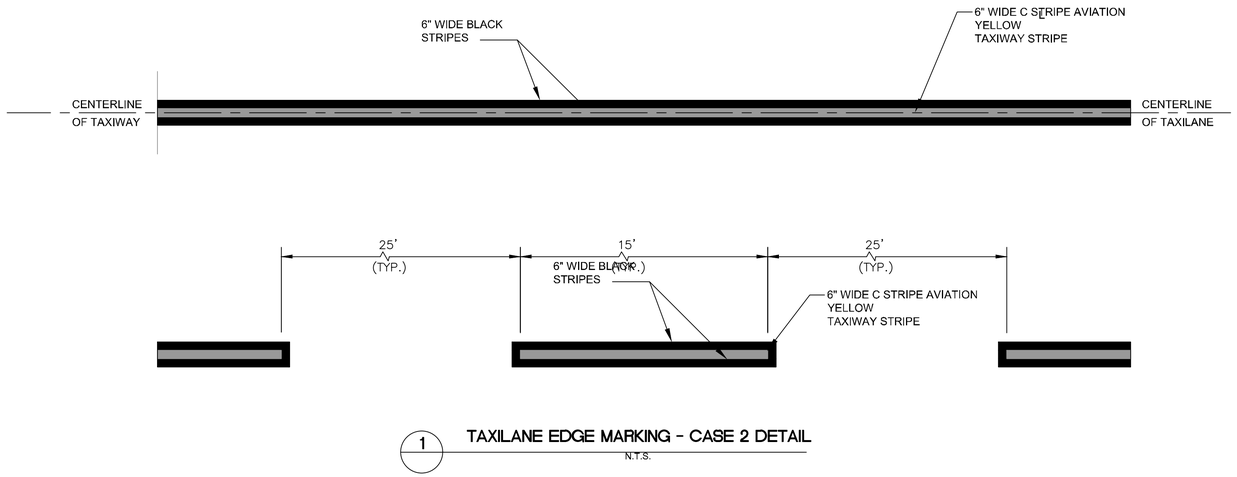
KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

PAVEMENT MARKING DETAILS

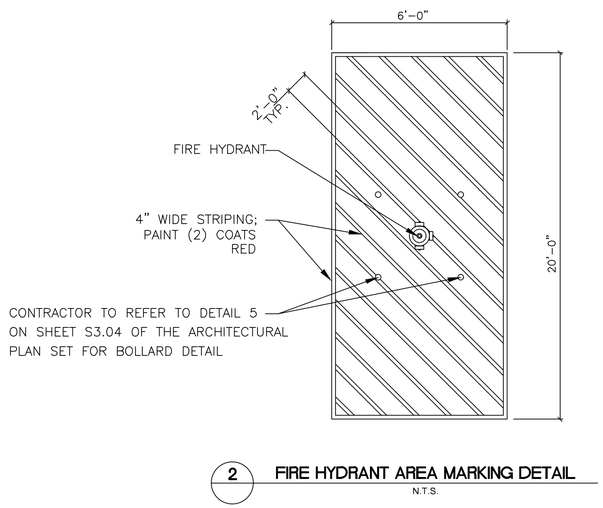
ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
ADDISON DALLAS, TEXAS

SHEET NUMBER
C16.07

Plotted By:Acevedo, Eliath Sheet Set:Kha Layout:C16.07 January 09, 2020 06:33:19pm K:\WDL_Aviation\067792503 — Addison Galaxy FBO\ACAD\dwg\Sheets\C16.00 MARKING DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



1 **TAXILANE EDGE MARKING - CASE 2 DETAIL**
N.T.S.



2 **FIRE HYDRANT AREA MARKING DETAIL**
N.T.S.

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 832-823-2200 FAX:
TBPE FIRM REGISTRATION #
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
LICENSED PROFESSIONAL ENGINEER
01/08/20

KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

PAVEMENT MARKING DETAILS

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C16.08

Plotted By:Acevedo, Elioth Sheet Set:Kha Layout:C16.08 January 09, 2020 06:33:20am K:\WDL_Aviation\067792503 - Addison Galaxy FBO\ACAD\dwg\Sheets\C16.00 MARKING DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By:Acevedo, Elioth Sheet Set:Kha Layout:C17.00 January 09, 2020 06:33:59am K:\WDL_Aviation\067792503 — Addison Galaxy FBO\ACAD\dwg\Sheets\C17.00 FENCING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

SHEET NUMBER
C17.00

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
ADDISON DALLAS, TEXAS

FENCING PLAN KEY MAP

KHA PROJECT	067792503
DATE	12/11/2019
SCALE	AS SHOWN
DESIGNED BY	HCV
DRAWN BY	EC EAC
CHECKED BY	HCV

JOSEPH J. MAAD 90053 LICENSED PROFESSIONAL ENGINEER STATE OF TEXAS
01/08/20

Kimley»Horn

© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-475-2816
TBPE FIRM REGISTRATION F-928
WWW.KIMLEY-HORN.COM

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
5	ADDENDUM #5	10/24/2019	JM
6	ADDENDUM #6	12/11/2019	JM
8	ADDENDUM #6	01/08/2020	JM

Plotted By: Acevedo, Eliath Sheet Set: Kha Layout: C17.01 January 09, 2020 06:34:04am K:\WDL_Aviation\067792503 - Addison Galaxy FBO\VACAD\dwg\Sheets\C17.00 FENCING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

DETENTION POND

HANGAR I
15525

FBO
15601

ADDISON ROAD

ADDISON CIRCLE

MATCHLINE SEE SHEET C17.02

CONNECT PROP. AOA FENCE TO BUILDING
N: 7037409.81
E: 2480800.46

CONNECT PROP. AOA FENCE TO BUILDING
N: 7037495.58
E: 2480793.94

PROPOSED KNOX BOX. COORDINATE KNOX LOCATIONS/TYPE WITH FIRE MARSHALL.

PROPOSED LOOP SAFETY SENSOR

PROPOSED 16' SLIDING AOA GATE ONE WAY TRAFFIC
N: 7037459.86
E: 2480805.27

CONNECT PROP. AOA FENCE TO BUILDING
N: 7037173.78
E: 2480842.44

CORNER POST
N: 7037036.13
E: 2480844.40

CONNECT PROP. AOA FENCE TO BUILDING
N: 7037174.86
E: 2480916.39

PROPOSED 25' SLIDING GATE
N: 7037225.80
E: 2480987.45

CONNECT PROP. AOA FENCE TO EX. AOA FENCE
N: 7037038.17
E: 2480988.28

PROPOSED 2~14' SWING GATE
N: 7037165.08
E: 2480970.19

CORNER POST
N: 7037660.42
E: 2480984.29

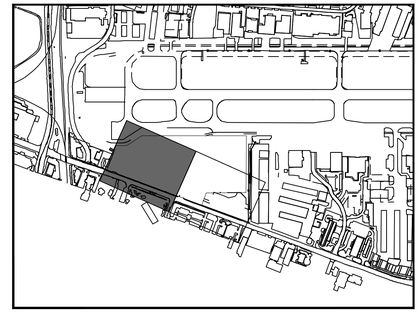
PROPOSED ORNAMENTAL AOA CHAINLINK FENCE

PROPOSED LOOP SAFETY SENSOR

START OF ONAMENTAL FENCE
N: 7037165.37
E: 2480989.74

PROPOSED KNOX BOX. COORDINATE KNOX LOCATIONS/TYPE WITH FIRE MARSHALL.

CORNER POST
N: 7037038.24
E: 2480992.75



KEY PLAN

NORTH

PHASING NOTE:

1. PHASE 1: EXISTING AOA FENCE SHALL REMAIN IN PLACE UNTIL HANGARS AND FBO ARE CONSTRUCTED WITH NEW PROPOSED AOA FENCING SECURING PROJECT SITE.
2. PHASE 2: INSTALL PROPOSED AOA SECURITY FENCE ON PROJECT SECURED TO HANGARS, FBO AND EXISTING AOA FENCE TO REMAIN
3. PHASE 3: ORNAMENTAL FENCE ERECTED AND EXISTING AOA CHAINLINK FENCE REMOVED IN NOTED LOCATIONS. CONSTRUCT ORNIMENTAL FENCE AND DEMOLISH EXISTING FENCE.

LEGEND

- EX. AOA CHAINLINK FENCE
- PROP. AOA CHAINLINK FENCE (PHASE 2)
- PROP. TEMPORARY AOA CHAINLINK FENCE (PHASE 1)
- PROP. ORNAMENTAL FENCE (PHASE 3)

GRAPHIC SCALE IN FEET
0 15 30 60

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: (281) 419-1888
TBPE FIRM REGISTRATION #
WWW.KIMLEY-HORN.COM

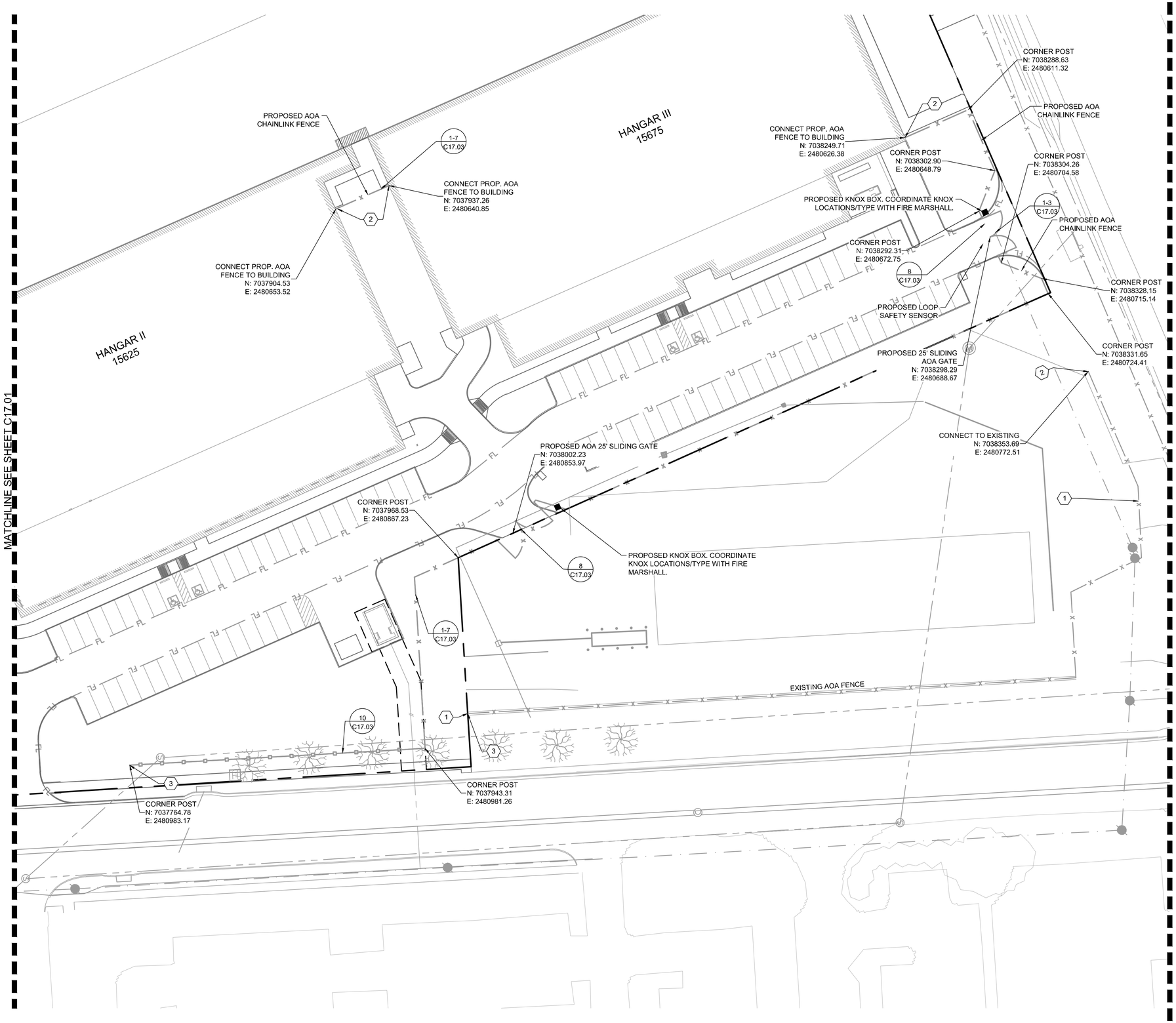
STATE OF TEXAS
JOSEPH J. MALO
80953
PROFESSIONAL ENGINEER
01/08/20

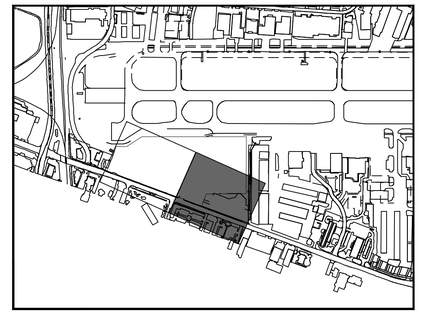
KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

FENCING PLAN

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
ADDISON DALLAS, TEXAS

SHEET NUMBER
C17.01





KEY PLAN

PHASING NOTE:

1. PHASE 1: EXISTING AOA FENCE SHALL REMAIN IN PLACE UNTIL HANGARS AND FBO ARE CONSTRUCTED WITH NEW PROPOSED AOA FENCING SECURING PROJECT SITE.
2. PHASE 2: INSTALL PROPOSED AOA SECURITY FENCE ON PROJECT SECURED TO HANGARS, FBO AND EXISTING AOA FENCE TO REMAIN
3. PHASE 3: ORNAMENTAL FENCE ERECTED AND EXISTING AOA CHAINLINK FENCE REMOVED IN NOTED LOCATIONS. CONSTRUCT ORNIMENTAL FENCE AND DEMOLISH EXISTING FENCE.

LEGEND

- EX. AOA CHAINLINK FENCE
- PROP. AOA CHAINLINK FENCE (PHASE 2)
- PROP. TEMPORARY AOA CHAINLINK FENCE (PHASE 1)
- PROP. ORNAMENTAL FENCE (PHASE 3)

GRAPHIC SCALE IN FEET
0 15 30 60

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-4488
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
LICENSED PROFESSIONAL ENGINEER
01/08/20

KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN | DESIGNED BY HCV | DRAWN BY EC EAC | CHECKED BY HCV

FENCING PLAN

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
ADDISON, DALLAS, TEXAS

SHEET NUMBER
C17.02

Plotted By:Acevedo, Eiloth Sheet Set:Kha Layout:C17.02 January 09, 2020 06:34:12am K:\WDL_Aviation\067792503 - Addison Galaxy FBO\ACAD\dwg\Sheets\C17.00 FENCING PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

CHAIN-LINK FENCE NOTES:

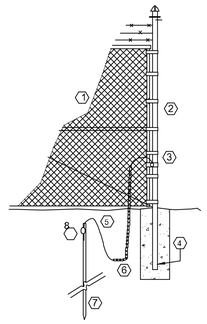
1. FENCE TO BE 2" MESH WOVEN FROM NO. 9 WIRE AND GALVANIZED BY THE HOT DIP PROCESS AFTER FABRICATION. TOP AND BOTTOM SELVAGE TO HAVE TWISTED AND BARBED FINISH. ALL FABRIC SHALL CONFORM TO ASTM A392, CLASS II. SEE SECTION 02834.
2. ALL POSTS, TOP RAIL, AND BRACING TO BE GALVANIZED BY HOT DIP PROCESS. LINE POST TO BE 2.375 INCHES O.D. SCH. 40 STEEL PIPE MINIMUM WEIGHT 3.65 LB/FT CORNER AND PULL POSTS TO BE 2.875 INCHES O.D. SCH. 40 STEEL PIPE MINIMUM WEIGHT 5.79 LB/FT. TOP RAILS AND BRACING TO BE 1.660 INCHES O.D. SCH. 40 STEEL PIPE MINIMUM WEIGHT 2.27 LB/FT ALL STEEL PIPE SHALL CONFORM TO ASTM A120-77, GALVANIZING IN ACCORDANCE WITH ASTM A123.
3. POST TO BE SPACED 10-FEET O.C. MAXIMUM.
4. BOTTOM TENSION WIRE AND ALL TIES TO BE TO BE 9 GAUGE GALVANIZED.
5. FENCE POSTS TO BE SET IN CLASS "A" CONCRETE (3000 PSI).
6. STRETCHES OF FENCE MORE THAN 250 FEET IN LENGTH SHALL HAVE ONE INTERMEDIATE 2.875 INCH O.D. PULL POST WITH BRACES IN TWO DIRECTIONS FOR EVERY 250 FEET.
7. TRUSSED BRACING SHALL BE FURNISHED FOR EACH PANEL ADJACENT TO A TERMINAL, PULL, CORNER OR GATE POST. COMPRESSION MEMBER SHALL BE 1.660-INCH O.D. PIPE, AS SPECIFIED FOR TOP RAIL MATERIAL. TENSION MEMBERS SHALL BE 3.8-INCH DIAMETER STEEL RODS WITH TURNBUCKLES.
8. TACK WELD ALL BOLTED CONNECTIONS.
9. PAINT ALL WELD'S WITH ZINC RICH PAINT.
10. SLEEVED EXPANSION SPRINGS SHALL BE USED ONE IN EVERY FIVE TOP RAIL BUTTED CONNECTIONS.
11. MISCELLANEOUS STEEL FITTINGS AND HARDWARE FOR USE WITH FENCE SHALL BE OF COMMERCIAL GRADE STEEL. ALL STEEL FITTINGS AND HARDWARE SHALL BE PROTECTED WITH ZINC COATING APPLIED IN CONFORMANCE WITH ASTM A153.
12. PLACE MULTI LOCK-BLOCK ON GATE AS DIRECTED BY CITY ENGINEER.
13. ALL STEEL, BOLTS, ETC. SHALL BE GALVANIZED ASTM A-36 STEEL.
14. CONCRETE TO CURE 72-HOURS BEFORE INSTALLING TOP RAIL OR BRACING TO FENCE POST.
15. NO GAP SHALL EXCEED 4 INCHES WHEN GATE IS CLOSED.
16. FLASHERS TO BE BATTERY OPERATED OR SOLAR POWERED. LENS TO BE RED AND BE ABLE TO MANUALLY ROTATE 90°. LIGHTS TO BE OMNI-DIRECTIONAL.
17. CONCRETE FOR ALL POST AND CONCRETE MOW STRIP SHALL FOLLOW THE REQUIREMENTS OF SPECIFICATION P-610.

LEGEND:

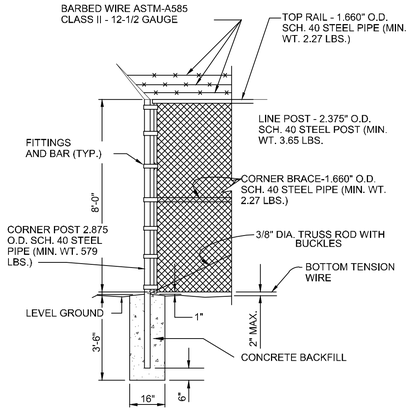
1. FENCE FABRIC
2. FENCE POST
3. GROUND CLAMP TO BE A 3" U-BOLT CLAMP EGLE PC3UB AS MANUFACTURED "BY BONDED LIGHTING PROTECTION SYSTEMS, INC.," HOUSTON, TEXAS (713) 688-1909
4. CONC. POLE BACKFILL
5. #6 BARE GROUND CABLE
6. 1/2" PVC SLEEVE FOR GROUND CABLE PROTECTION GRASS CUTTERS LOCATED ADJACENT TO FENCE FABRIC
7. 3/4" x 10'-0" COPPERWELD GROUND ROD
8. CADWELD CONNECTION THARNIT TYPE

NOTE 1: CADWELD CONNECTION w/ GROUND ROD SHALL HAVE 4 WRAPS OF ELECTRICAL TAPE BEFORE BURIAL.

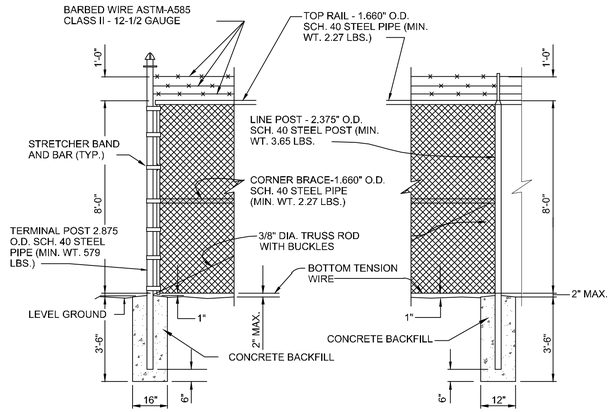
NOTE 2: PLACE FENCE POST MINIMUM 500' FROM CENTER TO CENTER



1 DETAIL
NO SCALE
FENCE GROUNDING

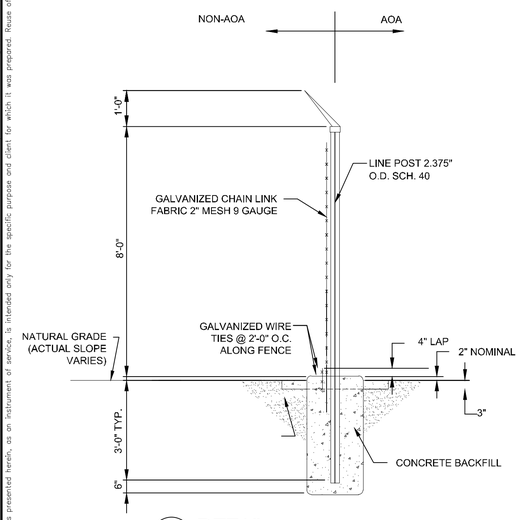


3 DETAIL
NO SCALE
CORNER POST

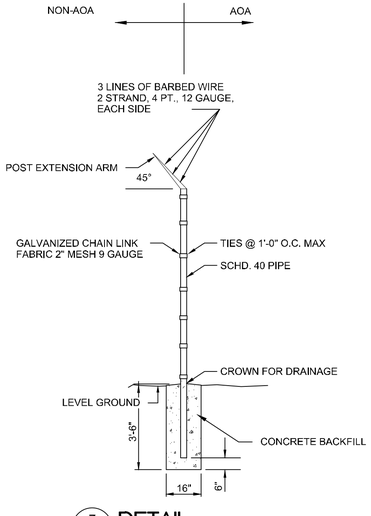


4 DETAIL
NO SCALE
TERMINAL POST

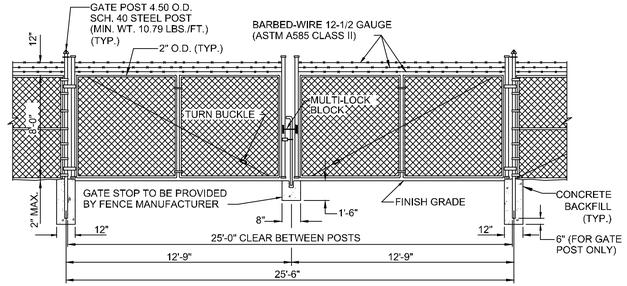
5 DETAIL
NO SCALE
LINE POST



6 DETAIL
NO SCALE
LINE POST

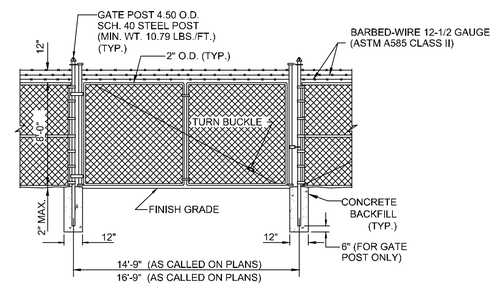


7 DETAIL
NO SCALE
FENCE LINE POST



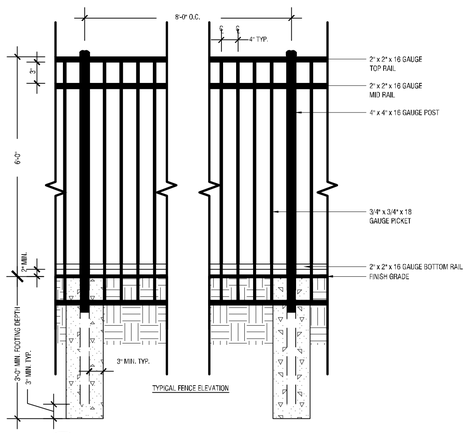
NOTE:
BOTTOM OF FENCE TO TOP OF ROAD SURFACE SHALL NOT EXCEED 2". IF SO, CONTRACTOR WILL RE-INSTALL AT HIS COST.

8 DETAIL
NO SCALE
TYPICAL 25' DOUBLE SWING GATE WITH CHAIN LINK FENCE - TYPE II

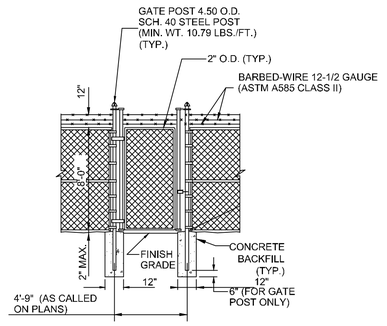


NOTE:
BOTTOM OF FENCE TO TOP OF ROAD SURFACE SHALL NOT EXCEED 2". IF SO, CONTRACTOR WILL RE-INSTALL AT HIS COST.

9 DETAIL
NO SCALE
TYPICAL SINGLE SWING GATE WITH CHAIN LINK FENCE - TYPE II



10 DETAIL
NO SCALE
TYPICAL 6' ORNAMENTAL FENCE AND GATE



NOTE:
BOTTOM OF FENCE TO TOP OF ROAD SURFACE SHALL NOT EXCEED 2". IF SO, CONTRACTOR WILL RE-INSTALL AT HIS COST.

11 DETAIL
NO SCALE
TYPICAL 4' MAN GATE WITH CHAIN LINK FENCE - TYPE II

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-4700 FAX: 281-419-4928
TBPE FIRM REGISTRATION #
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
PROFESSIONAL ENGINEER
01/08/20

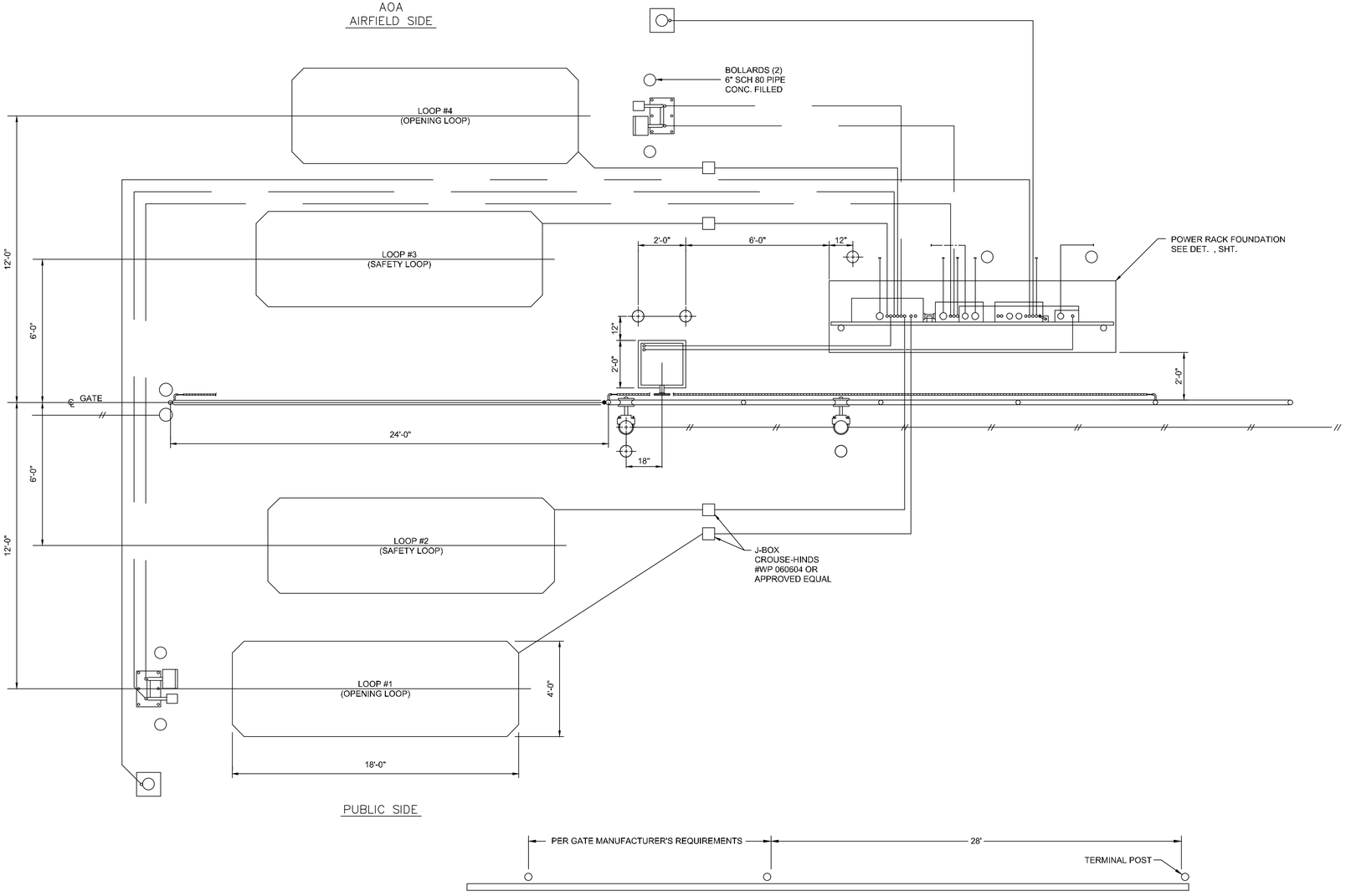
KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

FENCE DETAILS

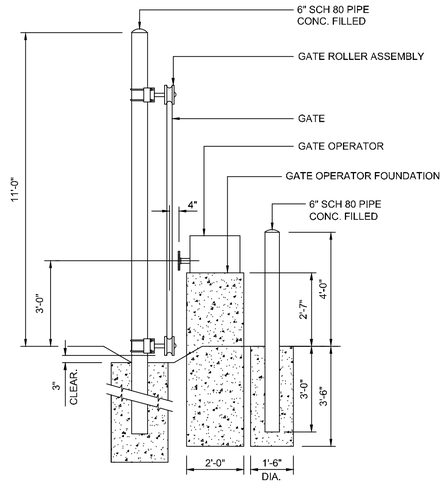
ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C17.03

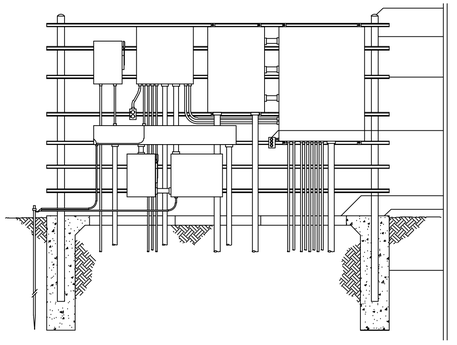
Plotted By: Acevedo, Eliath Sheet Set: Kha Layout: C17.03 January 09, 2020 06:34:29am K:\WDL_Aviation\067792503 - Addison Galaxy FBO\ACAD\dwg\Sheets\C17.00 FENCE DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



1 **PLAN VIEW**
NO SCALE
EXIT LOOP SAFETY SENSOR & SLIDING GATE



2 **DETAIL**
NO SCALE
CANTILEVER SLIDE GATE DETAIL



3 **DETAIL**
NO SCALE
POWER RACK FOUNDATION DETAIL
(SEE MEP FOR ELECTRICAL EQUIPEMENT)

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-1888
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
LICENSED PROFESSIONAL ENGINEER
01/08/20

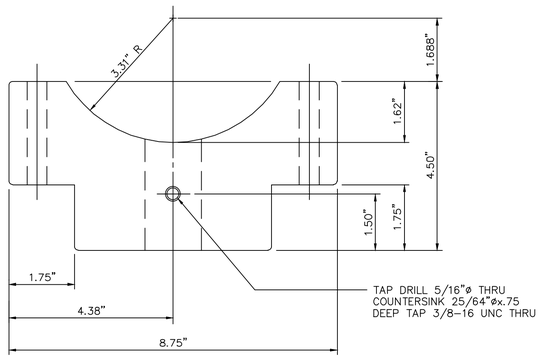
KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

FENCE DETAILS

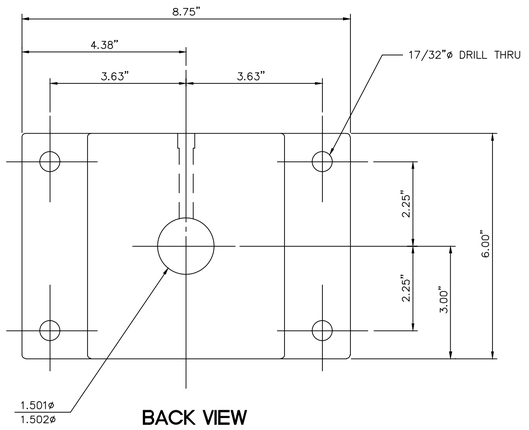
ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C17.04

Plotted By:Acevedo, Eliath Sheet Set:Kha Layout:C17.04 January 09, 2020 06:34:33am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C17.00 FENCE DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

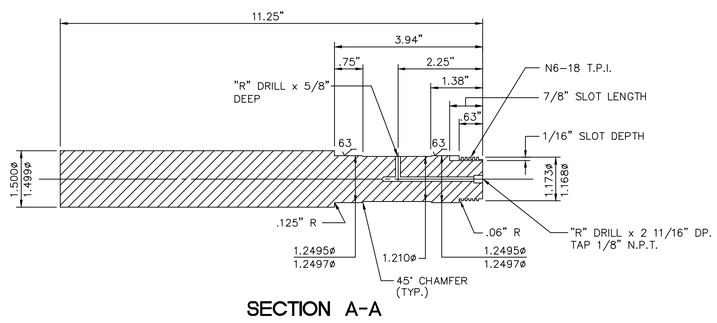


TOP VIEW

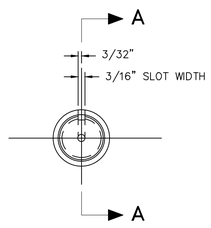


BACK VIEW

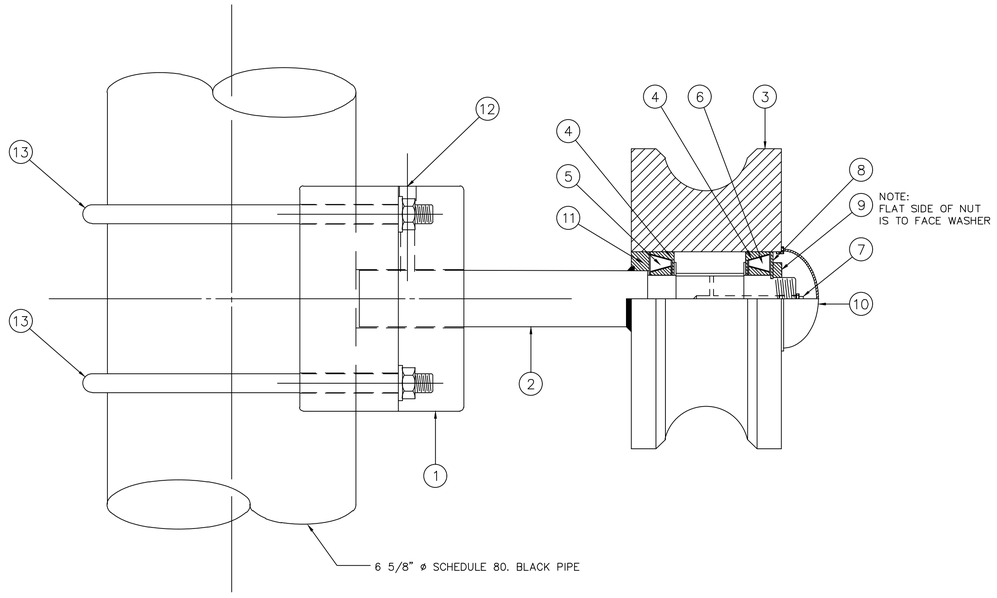
1 MOUNTING BRACKET DETAIL



SECTION A-A



2 AXLE DETAIL

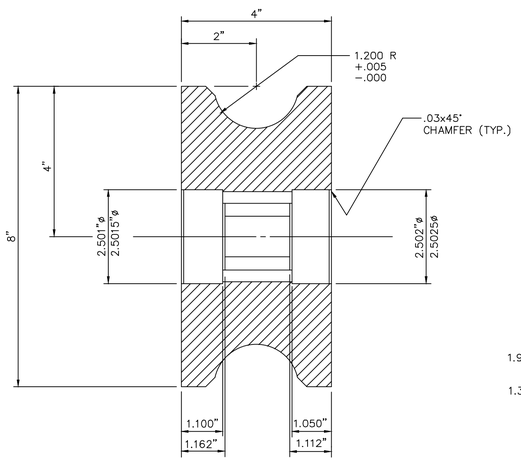


ROLLER ASSEMBLY

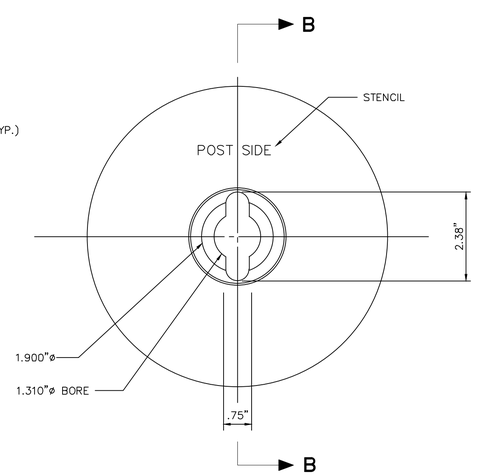
PARTS LIST			
ITEM NO.	DESCRIPTION	MATERIAL	QUANTITY
1	MOUNTING BRACKET	A 36	1
2	AXLE	e.t.d. 150	1
3	WHEEL	1020	1
4	TIMKEN. BEARING CUP 15250		2
5	TIMKEN. BEARING CONE 15123		1
6	TIMKEN. BEARING CONE 15126		1
7	ALIMITE 1/8 NPT GREASE FITTING	1020	1
8	TIMKEN. LOCK WASHER W6	1020	1
9	TIMKEN. LOCK NUT N6	1020	1
10	GENERAL MOTORS DUST CAP 3936465		1
11	CHICARGO RAWHIDE DUST SEAL 15141		1
12	SET SCREW 3/8"x2" NO.5		1
13	CONSOLIDATED SPECIALTY MFG U-CAP 1/2" UNC W/ NUT & WASHER	4140	2

NOTES:

1. MACHINE:
   PRIOR TO SHIPMENT, TIGHTEN LOCKNUT TO 50 FT. LBS. "DO NOT BEND LOCK TAB"
2. INSTALLER:
   PRIOR TO OPERATING ROLLER LOOSEN LOCKNUT RE-TORQUE WHILE TURNING BY HAND TO 30 FT. LBS. NOTE POSITION OF NUT AND BACK OFF 135°, SECURE NUT WITH LOCK TAB.



SECTION B-B



3 WHEEL DETAIL

No.	REVISIONS	DATE	BY
A	ADDENDUM #1	09/10/2019	JM
B	ADDENDUM #5	10/24/2019	JM
C	ADDENDUM #6	12/11/2019	JM
D	ADDENDUM #6	01/08/2020	JM

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-5827
TBPE FIRM REGISTRATION #
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
PROFESSIONAL ENGINEER
01/08/20

KHA PROJECT 067792503			
DATE 12/11/2019	SCALE AS SHOWN	DESIGNED BY HCV	DRAWN BY EC EAC
			CHECKED BY HCV

FENCE DETAILS

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C17.05

Plotted By:Acevedo, Eliath Sheet Set:Kha Layout:C17.05 January 09, 2020 06:34:34am K:\WDL_Aviation\067792503 - Addison Galaxy FBO\ACAD\dwg\Sheets\C17.00 FENCE DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

TAXIWAY A

TAXIWAY C

TAXIWAY D

TAXIWAY A

EXISTING TAXIWAY EDGE LIGHT
N: 7037204.78
E: 2480488.42

EXISTING TAXIWAY EDGE LIGHT
N: 7037465.65
E: 2480387.36

PROP. TAXIWAY EDGE LIGHT
N: 7037234.96
E: 2480483.82

PROP. TAXIWAY EDGE LIGHT
N: 7037424.86
E: 2480413.01

PROP. TAXIWAY EDGE LIGHT
N: 7037275.25
E: 2480479.36

PROP. TAXIWAY EDGE LIGHT
N: 7037391.10
E: 2480434.43

PROP. TAXIWAY EDGE LIGHT
N: 7037300.75
E: 2480513.77

PROP. TAXIWAY EDGE LIGHT
N: 7037395.43
E: 2480477.19

2" SCH. 40 PVC CONDUIT DIRECT BURIED (#6) EQUAL NUMBER OF #3 AWG L-8246.5 KV CABLE

EXISTING POWER POLE

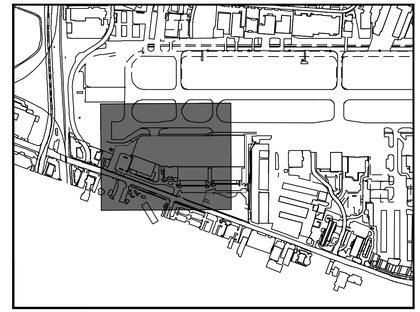
EXISTING POWER POLE

HANGAR I
15525

FBO
15601

HANGAR II
15625

HANGAR III
15675



KEY PLAN

NORTH

LEGEND

- EXISTING TAXIWAY EDGE LIGHT
- L-861 (T) - TAXIWAY EDGE LIGHT (CONTRACTOR TO COORDINATE WITH AIRPORT MAINTENANCE FACILITY FOR GLOBE COLOR)
- 2" SCH. 40 PVC CONDUIT DIRECT BURIED (#6) TICKS EQUAL NUMBER OF #3 AWG L-8246.5 KV CABLE

GRAPHIC SCALE IN FEET
0 25 50 100

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn

© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-4488 FAX: 281-419-4628
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
LICENSED PROFESSIONAL ENGINEER

01/08/20

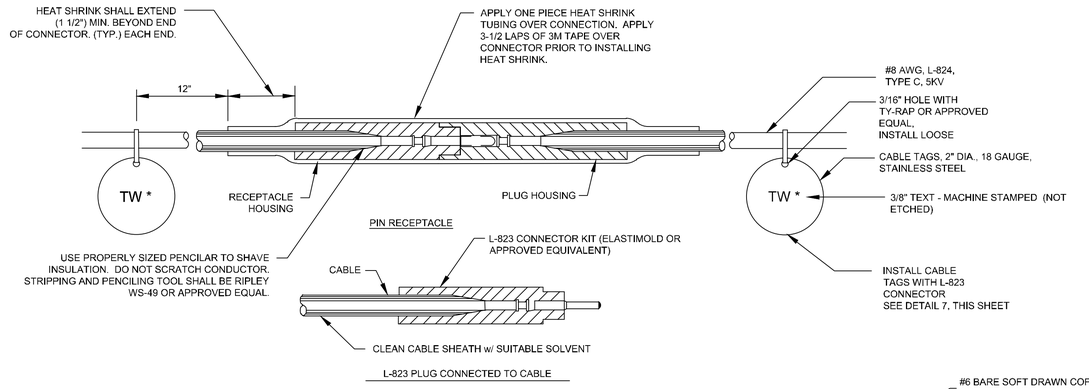
KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN | DESIGNED BY HCV | DRAWN BY EC EAC | CHECKED BY HCV

TAXIWAY EDGE LIGHTS PLAN

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
ADDISON DALLAS, TEXAS

SHEET NUMBER
C18.01

Plotted By:Acevedo, Eiloth Sheet Set:Kha Layout:C18.01 January 09, 2020 06:34:53pm K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C18.00 ELECTRICAL PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



1 TYPICAL L-824 CABLE SPLICE AND CONNECTOR DETAIL
NTS

PLUG CONNECTOR NOTES:

1. CONTRACTOR SHALL PROVIDE CABLE CIRCUIT IDENTIFICATION MARKERS ATTACHED TO BOTH SIDES OF EACH CABLE CONNECTION.

2. CABLE IDENTIFICATION MARKERS SHALL BE CABLE TAGS WITH TY-RAP TIES, MANUFACTURED BY THOMAS & BETTS, OR APPROVED EQUIVALENT.

3. CONTRACTOR SHALL PROVIDE CABLE CIRCUIT IDENTIFICATION MARKERS ATTACHED TO BOTH SIDES OF EACH CABLE CONNECTION.

4. CONTRACTOR SHALL USE HEAT SHRINK TUBING. DIRECT FLAME HEATING OF TUBING WILL NOT BE ALLOWED UNLESS APPROVED BY THE MANUFACTURER.

5. HEAT SOURCE FOR APPLICATION OF HEAT SHRINK SHALL BE A HEAT GUN. USE CARE NOT TO OVERHEAT THE HEAT SHRINK.

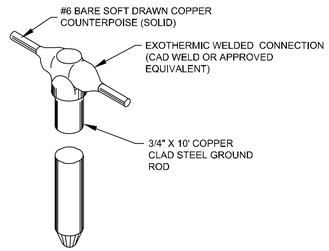
6. THE HEAT SHRINK TUBING SHALL BE FACTORY PRESOAKED WITH SEALANT. HEAT SHRINK SHALL BE MANUFACTURED BY 3M, INC., OR APPROVED EQUAL.

7. THE CABLE SHALL BE THOROUGHLY CLEANED PRIOR TO THE INSTALLATION OF THE L-823 CONNECTOR KIT.

8. INSTALLATION OF THE PIN/RECEPTACLE SHALL BE COMPLETED WITH "CRIMPING" TOOL SUPPLIED OR RECOMMENDED BY THE MANUFACTURER AND DESIGNED FOR THIS SPECIFIC PURPOSE. CRIMPING TOOLS SHALL BE TURNED OVER TO THE AIRPORT UPON COMPLETION OF THE PROJECT.

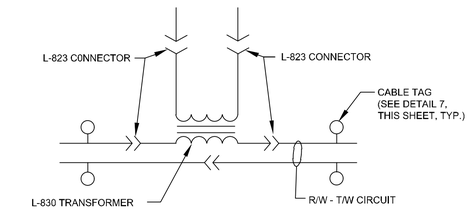
9. ATTACH EACH CABLE TIE ENOUGH TO HOLD IN PLACE WITHOUT COMPRESSING HOUSING. TRIM OFF EXCESS CABLE TIE.

10. INSTALLATION OF L-823 AND HEAT SHRINK TUBING SHALL BE IN STRICT CONFORMANCE WITH MANUFACTURER'S REQUIREMENTS.

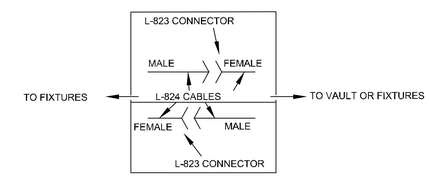


NOTE: GROUND RODS FOR COUNTERPOISE SYSTEM SHALL BE INSTALLED NOT MORE THAN 500 FEET APART.

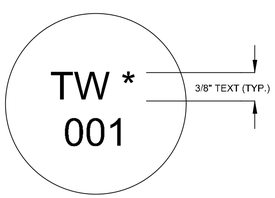
2 COUNTERPOISE TEE CONNECTION
NTS



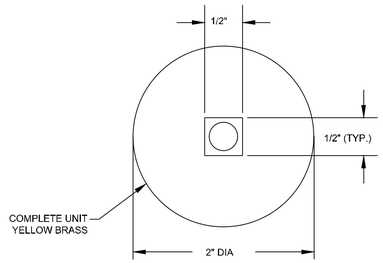
3 LIGHTING CONNECTION SCHEMATIC
NTS



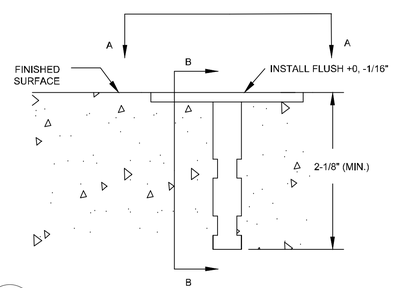
4 TYPICAL L-823 CONNECTOR SCHEMATIC
NTS



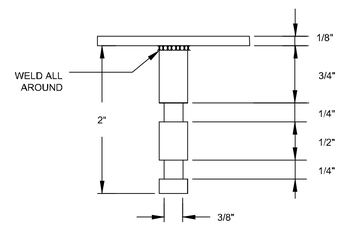
ID TEXT (TYPICAL)



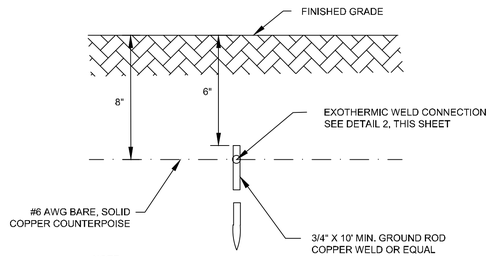
SECTION A-A



5 LIGHTING AND SIGN IDENTIFICATION MARKER
NTS

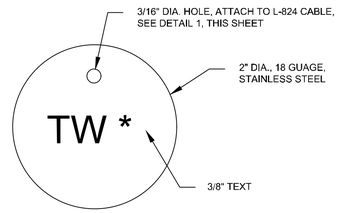


SECTION B-B



NOTE:
INSTALL GROUND RODS AT EACH CHANGE OF DIRECTION AND AT A MAXIMUM SPACING OF 500 FT. ON STRAIGHT RUNS.

6 GROUND ROD DETAIL
NTS



7 TYPICAL L-824 CABLE ID TAG
NTS

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-4488 FAX: 281-419-4628
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
LICENSED PROFESSIONAL ENGINEER
01/08/20

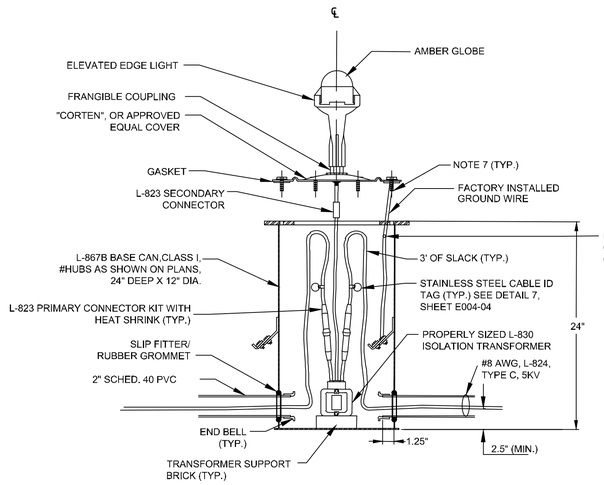
KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

ELECTRICAL DETAILS

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
ADDISON, DALLAS, TEXAS

SHEET NUMBER
C18.02

Plotted By:Acevedo, Elioth Sheet Set:Kha Layout:C18.02 January 09, 2020 06:35:07am K:\WDL_Aviation\067792503 - Addison Galaxy FBO\ACAD\dwg\Sheets\C18.00 ELECTRICAL DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.



1 TYPICAL ELEVATED EDGE LIGHT MATERIALS
NTS

ELEVATED FIXTURE NOTES:

1. THE ELEVATED EDGE LIGHTS SHALL BE 14" HIGH UNLESS NOTED OTHERWISE IN THE CONTRACT DOCUMENTS.

2. ALL BASE CAN INSTALLATION TECHNIQUES, METHODS, MATERIALS, ETC., SHALL BE SUBMITTED TO THE RESIDENT ENGINEER FOR REVIEW AND APPROVAL PRIOR TO THE START OF WORK.

3. EACH GROUND ROD SHALL MEASURE 25 OHMS OR LESS, PRIOR TO CONNECTION TO THE GROUND SYSTEM. ADDITIONAL GROUND ROD SECTIONS SHALL BE ADDED TO OBTAIN THE 25 OHM VALUE AT NO ADDITIONAL COST TO THE OWNER.

4. EDGE LIGHTS SHALL BE INSTALLED 10.0' FROM THE THEORETICAL EDGE OF THE FULL STRENGTH PAVEMENT. COUNTERPOISE SHALL BE INSTALLED HALF THE DISTANCE FROM THE CONDUIT TO THE THEORETICAL EOP OF THE FULL STRENGTH PAVEMENT.

5. THE FINISHED PAVEMENT SURFACE SHALL BE PROTECTED FROM FOREIGN SUBSTANCES WHICH COULD CAUSE STAINING, IE. CONCRETE, OIL, ETC. THE CONTRACTOR SHALL IMMEDIATELY CLEAN ALL SPILLS AND CORRECT/CLEAN ANY STAINED SURFACES AT THE CONTRACTOR'S EXPENSE.

6. THE BASE CAN COVER MOUNTING BOLTS SHALL EXTEND THROUGH THE BASE CAN MOUNTING FLANGE INTO THE BASE CAN A MIN. OF 0.5". THE BOLTS SHALL HAVE ENOUGH THREAD LENGTH SO THEY DO NOT SHOULDER OUT BEFORE THE FIXTURE IS SECURELY TIGHTENED.

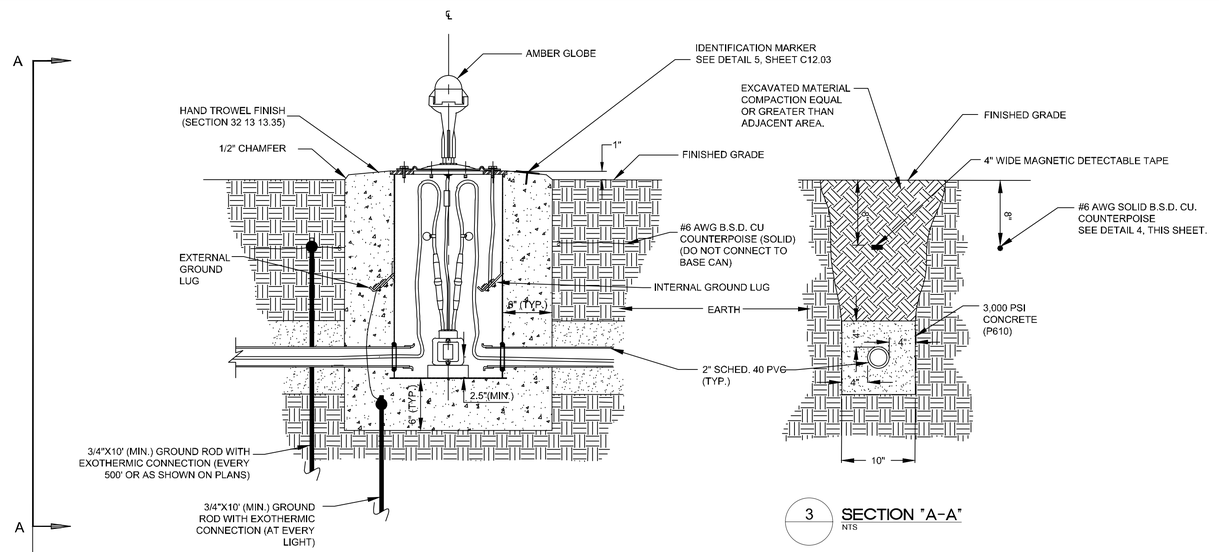
7. USE SAND TO BACKFILL THIS AREA. REMOVED EARTH MAY BE USED PROVIDED NO ROCK OR STONE LARGER THAN 1/4" IS PRESENT. BACKFILL SHALL COMPLY WITH CIVIL SPECIFICATIONS.

8. SECTION 32 13 13.35 CONCRETE AROUND BASE CANS AND DUCT/CONDUIT SHALL BE COMPLETELY CONSOLIDATED BY MECHANICAL MEANS AND SHALL BE FREE OF ANY VOIDS.

9. IMMEDIATELY AFTER THE HOLES ARE AUGURED, THE BASE CANS SHALL BE INSTALLED AND THE SECTION 32 13 13.35 PLACED SO AS TO PREVENT WATER FROM ENTERING THE HOLE.

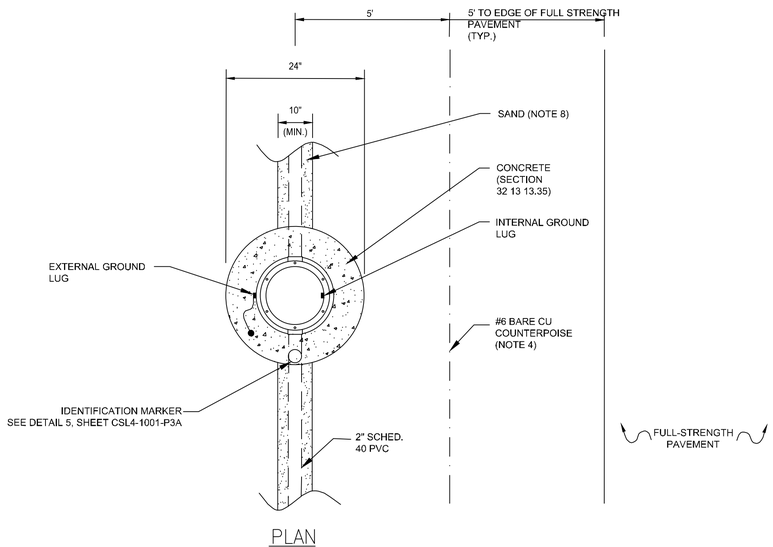
10. ALL L-824 CABLES SHALL BE IDENTIFIED WITH AN 18 GAUGE STAINLESS STEEL TAG WITH ITS RESPECTIVE CIRCUIT/LOOP NUMBER AT ALL ACCESSIBLE LOCATIONS. ATTACH ID TAG 12" FROM THE L-823 CONNECTORS OR MID LOOP, IF NO CONNECTORS ARE REQUIRED. THE CONDUCTORS SHALL BE IDENTIFIED ON EACH SIDE OF THE CONNECTORS OR LOOP.

11. L-823 CONNECTORS SHALL BE INSTALLED ON ALL CABLES, IN EACH MANHOLE, BASE CAN, OR OTHER ACCESSIBLE LOCATIONS.

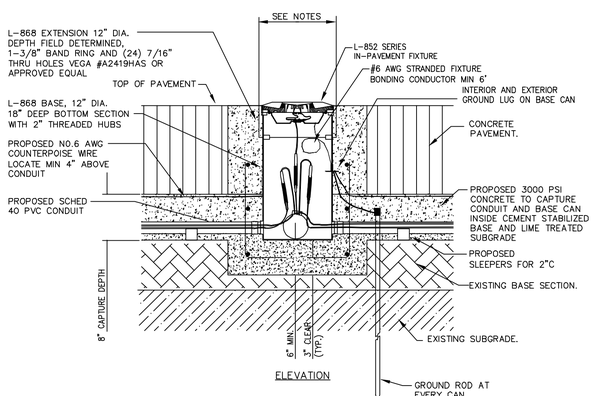


2 ELEVATED EDGE LIGHT INSTALLED TURFED SHOULDER: PROFILE VIEW
NTS

3 SECTION "A-A"
NTS



4 EDGE LIGHT INSTALLED IN TURFED SHOULDER: PLAN VIEW
NTS



5 NEW TAXIWAY IN-PVMT EDGE LIGHT IN NEW PAVEMENT DETAIL
NTS

NEW TAXIWAY IN PAVEMENT EDGE LIGHT INSTALLATION GUIDELINES

1. PREPARE A CAPTURE SECTION FOR A NEW BASE, 24" DIAMETER TO A MINIMUM DEPTH OF 28" BELOW GRADE.
2. PROVIDE A CONDUIT TRENCH FOLLOWING DETAILS AND PLANS FOR NEW 2" PVC CONDUIT PLACEMENT INTO EXISTING BASE COURSE SECTION.
3. INSTALL L-868B BASE INTO CAPTURE SECTION USING ALIGNMENT JIG TO KEEP ALIGNMENT AND ELEVATION PER FAA A/C.
4. RUN 2" SCHEDULE PVC BETWEEN BASES COMPLETING CONDUIT INSTALLATIONS, PROVIDE CONDUIT SLEEPERS SO CONDUIT CONCRETE AGGREGATES WILL FLOW UNDER CONDUIT.
5. INSTALL SEPARATE GROUND ROD FOR EVERY BASE CAN AND CAD-WELD TO LOCAL COUNTERPOISE WHICH IS TERMINATED AT CUSTOM FACTORY MANUFACTURED MECHANICAL TERMINATION POINT, WHICH HAS BONDED TO BASE CAN PRIOR TO GALVANIZATION PROCESS.
6. INSTALL 6" LONG #4 REBAR DOWELS 3" INTO EXISTING PAVEMENT AT SIX LOCATIONS SPACED AROUND BASE CAN. INSTALL EPOXY INTO DOWEL CORE IN EXISTING PAVEMENT TO SECURE IN PLACE.
7. PLACE 3,000 PSI CONCRETE INTO TRENCH AND CAPTURE SECTION OF L-868B BASE CAN FILLING ANNULAR SPACE OF CONDUIT AND BASE CAN LEVELING UP TO TOP OF EXISTING PAVEMENT AND BASE CAN. TAPER PAVEMENT AWAY FROM CAN.
8. INSTALL A 2" DIA. BRASS SURVEY MARKER WITH STAMPED FIXTURE ID NUMBER.

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/2019	JM
2	ADDENDUM #5	10/24/2019	JM
3	ADDENDUM #6	12/11/2019	JM
4	ADDENDUM #6	01/08/2020	JM

Kimley»Horn
© 2019 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-419-4700 FAX: 281-419-4928
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
LICENSED PROFESSIONAL ENGINEER
01/08/20

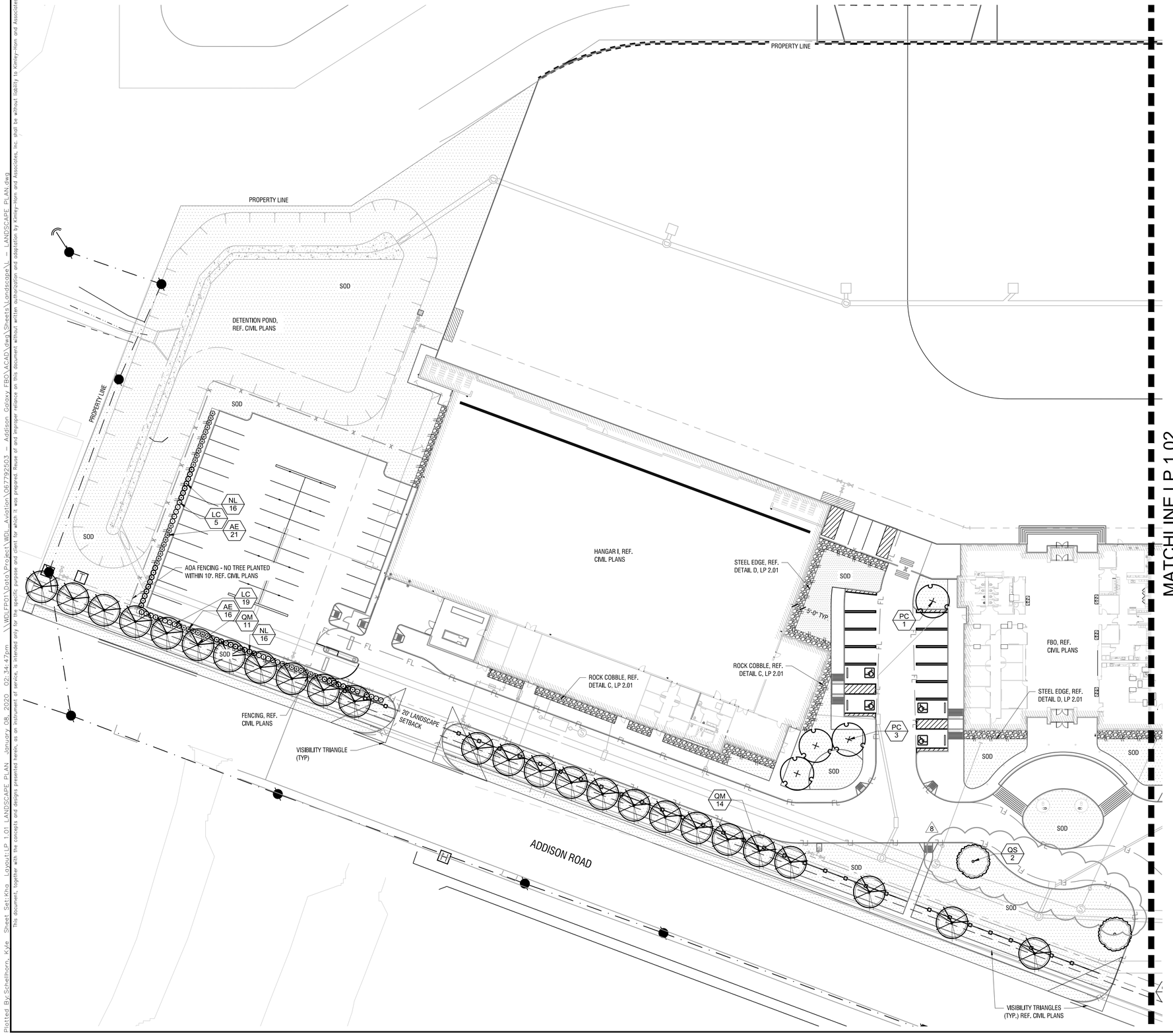
KHA PROJECT 067792503
DATE 12/11/2019
SCALE AS SHOWN
DESIGNED BY HCV
DRAWN BY EC EAC
CHECKED BY HCV

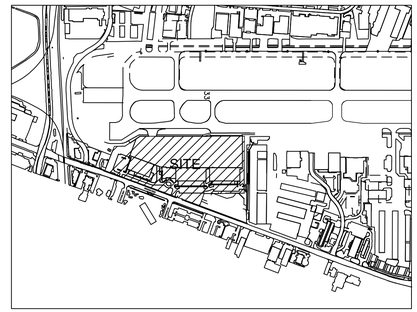
ELECTRICAL DETAILS

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
C18.03

Plotted By:Acevedo, Eliott Sheet Set:Kha Layout:C18.03 January 09, 2020 06:35:12am K:\WDL_Aviation\067792503 – Addison Galaxy FBO\ACAD\dwg\Sheets\C18.00 ELECTRICAL DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.





KEY PLAN

Town of Addison, TX Landscape Requirements - Article XXI

Landscaping Requirements	Required	Provided
Minimum landscape area should be 10% of the total site area.		
683,194 SF x 10% = 68,319 SF	68,319 SF (10%)	78,296 SF (11%)
Street landscape buffers shall be one 4" caliper shade tree for each 30 LF of frontage and evergreen shrubs planted 3-3.5 on center.		
990 LF / 30 LF = 33 Trees	33 Trees	29 New Trees + 4 Existing Trees
Landscape Screening and Buffering	**Required**	**Provided**
Surface parking lot screening must be at least 3.5 feet higher than the finished elevation of the adjacent parking lot. Evergreen shrub planted three feet on center in a single row in a bed at least 42 inches wide.	Yes	Yes
The perimeter parking lot landscape strip shall be at least 5 feet wide for sites larger than 10,000 SF. Minimum requirement for perimeter landscaping 5 feet wide and greater shall be one 4" caliper shade tree for each 35 LF of perimeter and one shrub planted 3-3.5 feet on center.	Yes	Yes - Due to AOA fence regulations, trees have been relocated on site
558 LF of perimeter parking / 35 LF = 16 Trees	16 Trees	16 Trees
Surface Parking Lot Landscaping	**Required**	**Provided**
The required percentage of interior parking lot landscaping shall be 5% for 7,000 - 49,999 SF of interior parking area.		
48,594 SF Interior Parking x 5% = 2,429 SF Planting Area	2,429 SF Planting Area	2,779 SF Planting Area
Large shade trees must be provided in each parking lot at minimum average density of one shade tree for each ten required parking spaces on the lot.	Yes	Yes
155 Parking Spaces / 10 = 16 Trees	16 Trees	16 Trees
No required parking space may be located further than 50 feet from the trunk of shade tree, or farther than 75 feet from two or more shade trees.	Yes	N/A per existing site plan

PLANT LEGEND

TREES	CODE	BOTANICAL / COMMON NAME
	PC	PISTACIA CHINENSIS / CHINESE PISTACHE
	QM	QUERCUS MUEHLENBERGII / CHINKAPIN OAK
	QS	QUERCUS SHUMARDII / SHUMARD RED OAK
SHRUBS	**CODE**	**BOTANICAL / COMMON NAME**
	AE	ABELIA X GRANDIFLORA `EDWARD GOUCHER` / GLOSSY ABELIA
	LC	LOROPETALUM CHINENSE `PURPLE DIAMOND` / PURPLE DIAMOND LOROPETALUM
	NL	NANDINA DOMESTICA `LEMON LIME` / LEMON LIME NANDINA
GROUND COVERS	**CODE**	**BOTANICAL / COMMON NAME**
	SOD	CYNODON DACTYLON / COMMON BERMUDA GRASS
	RR	RIVER ROCK

REF. LP 2.01 FOR MASTER PLANT SCHEDULE AND NOTES

NO IRRIGATION TO BE LOCATED WITHIN 5'-0" OF BUILDING FOUNDATION PER GEOTECH REPORT.

GRAPHIC SCALE IN FEET
0 15 30 60

ADDISON GALAXY FBO

15.67 ACRES
EDWARD COOK SURVEY
ABSTRACT NO. 326
SUBMITTED: 10/23/2019

OWNER:
Black Forest Ventures
25 Waterway Ave
Suite 225
The Woodlands, TX 77380

CIVIL ENGINEER:
Kimley Horn
1400 Woodloch Drive
Suite 225
The Woodlands, TX 77380
Phone: (281) 475-2816

LANDSCAPE ARCHITECT:
Kimley»Horn
13455 Noel Rd,
Two Galleria Office Tower
Suite 700
Dallas, TX 75240
Contact: Patrick B. Hart, PLA
Phone: (972) 770-1300

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/19	KS
5	ADDENDUM #5	10/24/2019	LL
6	ADDENDUM #6	12/11/2019	LL
8	ADDENDUM #8	01/08/2020	KS

Kimley»Horn
© 2015 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: (281) 475-2816
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

REGISTERED LANDSCAPE ARCHITECT
PATRICK B. HART
2234
STATE OF TEXAS
01/08/2020

KHA PROJECT	067792503
DATE	01/08/2020
SCALE	AS SHOWN
DESIGNED BY	LLL
DRAWN BY	EC LLL
CHECKED BY	PBH

LANDSCAPE PLAN

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
ADDISON, DALLAS, TEXAS

SHEET NUMBER
LP 1.01

Plotted By:Schellhorn, Kyle Sheet Set:Kha Layout:LP 1.01 LANDSCAPE PLAN January 08, 2020 02:34:47pm \\WOLFP01\Data\Project\WDL_Aviation\067792503 - Addison Galaxy FBO\ACAD\dwg\Sheets\Landscape\L - LANDSCAPE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

Plotted By:Schellhorn, Kyle Sheet Set:Kha Layout:LP 1.02 LANDSCAPE PLAN January 08, 2020 02:34:52pm \\WDLFP01\Data\Project\WDL_Aviation\067792503 - Addison Galaxy FBO\ACAD\dwg\Sheets\Landscape\L - LANDSCAPE PLAN.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

MATCHLINE LP 1.01

HANGAR II, REF. CIVIL PLANS

ROCK COBBLE, REF. DETAIL C, LP 2.01

SOD

HANGAR III, REF. CIVIL PLANS

FUEL TRUCK

PROPERTY LINE

AOA FENCING - NO TREE PLANTED WITHIN 10'. REF. CIVIL PLANS

CAR WASH AREA, REF. CIVIL PLANS

STEEL EDGE, REF. DETAIL D, LP 2.01

5'-0" TYP.

ROCK COBBLE, REF. DETAIL C, LP 2.01

STEEL EDGE, REF. DETAIL D, LP 2.01

STORAGE AND MEP AREA, REF. CIVIL PLANS

ROCK COBBLE, REF. DETAIL C, LP 2.01

SIDEWALK (TYP.) REF. CIVIL PLANS

GATES REF. CIVIL PLANS

STEEL EDGE, REF. DETAIL D, LP 2.01

RELOCATED PERIMETER SITE TREES DUE TO AOA FENCING REGULATIONS

FENCING, REF. CIVIL PLANS

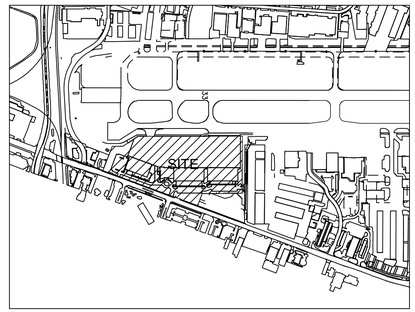
VISIBILITY TRIANGLES (TYP.) REF. CIVIL PLANS

20' LANDSCAPE SETBACK

ADDISON ROAD

PC 2 · PC 4 · PC 3 · LC 24 · LC 32 · AE 16 · AE 34 · NL 16 · NL 32 · QS 13 · QM 4

12" Oak · 15" Oak



KEY PLAN

Town of Addison, TX Landscape Requirements - Article XXI

Landscaping Requirements	Required	Provided
Minimum landscape area should be 10% of the total site area.		
683,194 SF x 10% = 68,319 SF	68,319 SF (10%)	78,296 SF (11%)
Street landscape buffers shall be one 4" caliper shade tree for each 30 LF of frontage and evergreen shrubs planted 3-3.5 on center.		
990 LF / 30 LF = 33 Trees	33 Trees	29 New Trees + 4 Existing Trees
Landscape Screening and Buffering	**Required**	**Provided**
Surface parking lot screening must be at least 3.5 feet higher than the finished elevation of the adjacent parking lot. Evergreen shrub planted three feet on center in a single row in a bed at least 42 inches wide.	Yes	Yes
The perimeter parking lot landscape strip shall be at least 5 feet wide for sites larger than 10,000 SF. Minimum requirement for perimeter landscaping 5 feet wide and greater shall be one 4" caliper shade tree for each 35 LF of perimeter and one shrub planted 3-3.5 feet on center.	Yes	Yes - Due to AOA fence regulations, trees have been relocated on site
558 LF of perimeter parking / 35 LF = 16 Trees	16 Trees	16 Trees
Surface Parking Lot Landscaping	**Required**	**Provided**
The required percentage of interior parking lot landscaping shall be 5% for 7,000 - 49,999 SF of interior parking area.		
48,594 SF Interior Parking x 5% = 2,429 SF Planting Area	2,429 SF Planting Area	2,779 SF Planting Area
Large shade trees must be provided in each parking lot at minimum average density of one shade tree for each ten required parking spaces on the lot.	Yes	Yes
155 Parking Spaces / 10 = 16 Trees	16 Trees	16 Trees
No required parking space may be located further than 50 feet from the trunk of shade tree, or farther than 75 feet from two or more shade trees.	Yes	N/A per existing site plan

PLANT LEGEND

TREES	CODE	BOTANICAL / COMMON NAME
	PC	PISTACIA CHINENSIS / CHINESE PISTACHE
	QM	QUERCUS MUEHLENBERGII / CHINKAPIN OAK
	QS	QUERCUS SHUMARDII / SHUMARD RED OAK
SHRUBS	**CODE**	**BOTANICAL / COMMON NAME**
	AE	ABELIA X GRANDIFLORA 'EDWARD GOUCHER' / GLOSSY ABELIA
	LC	LOROPETALUM CHINENSE 'PURPLE DIAMOND' / PURPLE DIAMOND LOROPETALUM
	NL	NANDINA DOMESTICA 'LEMON LIME' / LEMON LIME NANDINA
GROUND COVERS	**CODE**	**BOTANICAL / COMMON NAME**
	SOD	CYNODON DACTYLON / COMMON BERMUDA GRASS
	RR	RIVER ROCK

REF. LP 2.01 FOR MASTER PLANT SCHEDULE AND NOTES

NO IRRIGATION TO BE LOCATED WITHIN 5'-0" OF BUILDING FOUNDATION PER GEOTECH REPORT.

NORTH

GRAPHIC SCALE IN FEET
0 15 30 60

ADDISON GALAXY FBO

15.67 ACRES
EDWARD COOK SURVEY
ABSTRACT NO. 326
SUBMITTED: 10/23/2019

OWNER:
Black Forest Ventures
25 Waterway Ave
Suite 225
The Woodlands, TX 77380

CIVIL ENGINEER:
Kimley Horn
1400 Woodloch Drive
Suite 225
The Woodlands, TX 77380
Phone: (281) 475-2816

LANDSCAPE ARCHITECT:
Kimley»Horn
13455 Noel Rd.
Two Galleria Office Tower
Suite 700
Dallas, TX 75240
Contact: Patrick B. Hart, PLA
Phone: (972) 770-1300

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/19	KS
5	ADDENDUM #5	10/24/2019	LL
6	ADDENDUM #6	12/11/2019	LL
8	ADDENDUM #8	01/08/2020	KS

Kimley»Horn
© 2015 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-475-2816
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

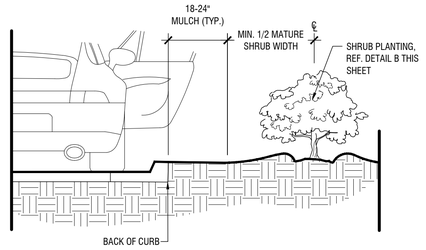
REGISTERED LANDSCAPE ARCHITECT
PATRICK B. HART
2234
STATE OF TEXAS
01/08/2020

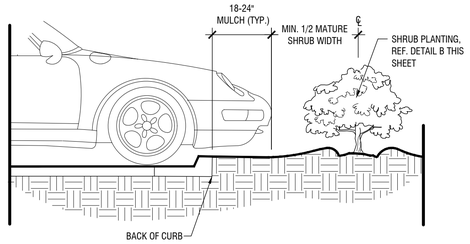
KHA PROJECT 067792503
DATE 01/08/2020
SCALE AS SHOWN
DESIGNED BY LLL
DRAWN BY EC LLL
CHECKED BY PBH

LANDSCAPE PLAN

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
LP 1.02

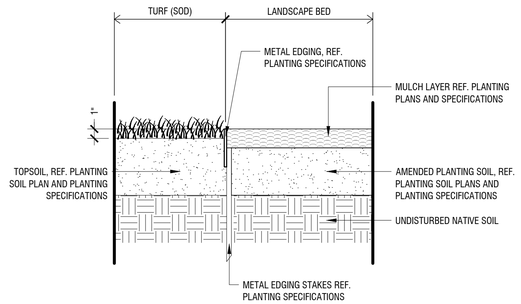




SHRUB PLANTING AT CURB

Scale: NTS

E

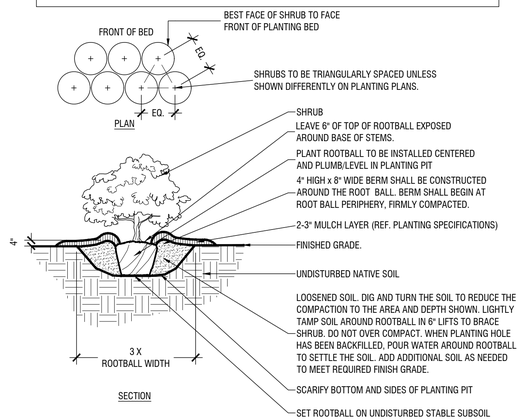


METAL EDGING (AT TURF & LANDSCAPE BED)

Scale: 1 1/2" = 1'-0"

D

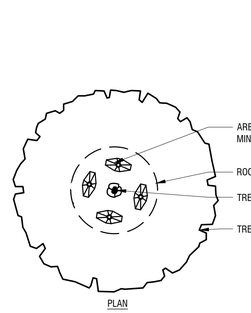
NOTES:
1. REF. PLANTING SPECIFICATIONS FOR ADDITIONAL INFORMATION.
2. WHEN SHRUBS MASSED TOGETHER WITH GROUNDCOVER BEDS, ALL SOIL IN BED TO BE AMENDED. (REF. PLANTING SPECIFICATIONS)
3. WHEN SHRUBS ARE USED IN MASSES, PRUNE ALL SHRUBS TO ACHIEVE UNIFORM MASS/HEIGHT.
4. REF. TO PLANT SCHEDULE AND PLANTING PLANS FOR SPACING/LAYOUT.

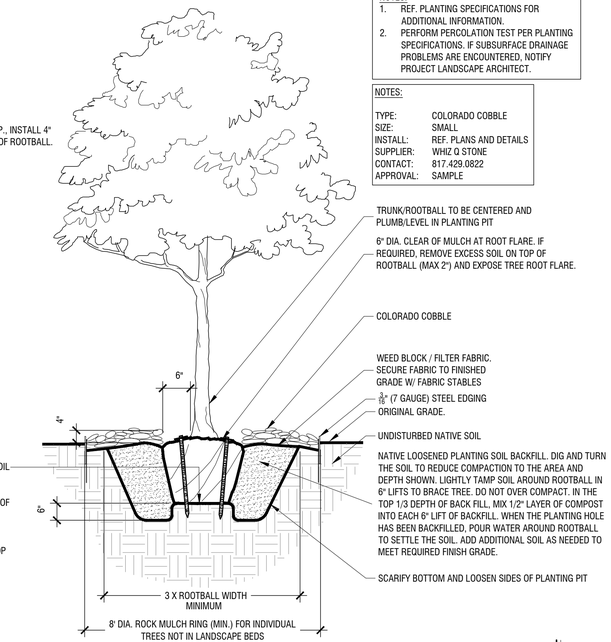


TYPICAL SHRUB PLANTING

Scale: NTS

C





NOTES:
1. REF. PLANTING SPECIFICATIONS FOR ADDITIONAL INFORMATION.
2. PERFORM PERCOLATION TEST PER PLANTING SPECIFICATIONS. IF SUBSURFACE DRAINAGE PROBLEMS ARE ENCOUNTERED, NOTIFY PROJECT LANDSCAPE ARCHITECT.

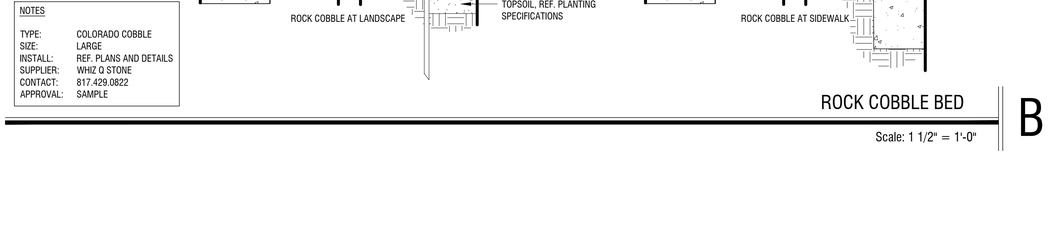
NOTES:

TYPE:	COLORADO COBBLE
SIZE:	SMALL
INSTALL:	REF. PLANS AND DETAILS
SUPPLIER:	WHIZ Q STONE
CONTACT:	817.429.0822
APPROVAL:	SAMPLE

TYPICAL TREE PLANTING

Scale: NTS

A



NOTES

TYPE:	COLORADO COBBLE
SIZE:	LARGE
INSTALL:	REF. PLANS AND DETAILS
SUPPLIER:	WHIZ Q STONE
CONTACT:	817.429.0822
APPROVAL:	SAMPLE

ROCK COBBLE BED

Scale: 1 1/2" = 1'-0"

B

NO IRRIGATION TO BE LOCATED WITHIN 5'-0" OF BUILDING FOUNDATION PER GEOTECH REPORT.

NOTE:
1. ALL LANDSCAPE AREAS MUST BE IRRIGATED BY AN AUTOMATIC UNDERGROUND IRRIGATION SYSTEM EQUIPPED WITH OPERATING RAIN/FREEZE SENSORS.
2. ALL BED AREAS MUST BE SEPARATED FROM TURF AREAS BY STEEL EDGE
3. CONTRACTOR TO SEED ALL DISTURBED AREAS.

PLANT LEGEND

TREES	CODE	BOTANICAL / COMMON NAME	ROOT	CAL	SIZE	REMARKS
	PC	PISTACIA CHINENSIS / CHINESE PISTACHE	B & B	4" CAL.	16' - 18' HT.	STRONG, CENTRAL LEADER, FULL AND MATCHING
	QM	QUERCUS MUEHLENBERGII / CHINKAPIN OAK	B & B	4" CAL.	16' - 18' HT.	STRONG, CENTRAL LEADER, FULL AND MATCHING
	QS	QUERCUS SHUMARDII / SHUMARD RED OAK	B & B	4" CAL.	16' - 18' HT.	STRONG, CENTRAL LEADER, FULL AND MATCHING
SHRUBS	**CODE**	**BOTANICAL / COMMON NAME**	**ROOT**	**SIZE**	**SPACING**	**REMARKS**
	AE	ABELIA X GRANDIFLORA `EDWARD GOUCHER` / GLOSSY ABELIA	5 GAL. MIN.	36" O.C.	42" HT.	FULL AND MATCHING
	LC	LOROPETALUM CHINENSE `PURPLE DIAMOND` / PURPLE DIAMOND LOROPETALUM	5 GAL. MIN.	36" O.C.	42" HT.	FULL AND MATCHING
	NL	NANDINA DOMESTICA `LEMON LIME` / LEMON LIME NANDINA	5 GAL. MIN.	36" O.C.	42" HT.	FULL AND MATCHING
GROUND COVERS	**CODE**	**BOTANICAL / COMMON NAME**	**ROOT**	**SIZE**	**SPACING**	**REMARKS**
	SOD	CYNODON DACTYLON / COMMON BERMUDA GRASS	N/A	N/A	N/A	SOD TO HAVE TIGHT, SAND FILLED JOINTS AND BE FREE OF WEEDS.
	RR	RIVER ROCK				REF PLANS AND DETAILS

ADDISON GALAXY FBO

15.67 ACRES
EDWARD COOK SURVEY
ABSTRACT NO. 326
SUBMITTED: 10/23/2019

OWNER:
Black Forest Ventures
25 Waterway Ave
Suite 225
The Woodlands, TX 77380

CIVIL ENGINEER:
Kimley Horn
1400 Woodloch Drive
Suite 225
The Woodlands, TX 77380
Phone: (281) 475-2816

LANDSCAPE ARCHITECT:
Kimley»Horn
13455 Noel Rd.
Two Galleria Office Tower
Suite 700
Dallas, TX 75240
Contact: Patrick B. Hart, PLA
Phone: (972) 770-1300

No.	REVISIONS	DATE	BY
1	ADDENDUM #1	09/10/19	KS
5	ADDENDUM #5	10/24/2019	LL
6	ADDENDUM #6	12/11/2019	LL
8	ADDENDUM #8	01/08/2020	KS

Kimley»Horn
© 2015 KIMLEY-HORN AND ASSOCIATES, INC.
1400 WOODLOCH FOREST DRIVE, SUITE 225
THE WOODLANDS, TX 77380
PHONE: 281-475-2816
TBPE FIRM REGISTRATION #: F-928
WWW.KIMLEY-HORN.COM

REGISTERED LANDSCAPE ARCHITECT
PATRICK B. HART
5234
STATE OF TEXAS
01/08/2020

KHA PROJECT 067792503
DATE 01/08/2020
SCALE AS SHOWN
DESIGNED BY LLL
DRAWN BY EC LLL
CHECKED BY PBH

LANDSCAPE DETAILS

ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE
DALLAS, TEXAS
ADDISON

SHEET NUMBER
LP 2.01

Plotted By:Schelhorn, Kyle Sheet Set:Kha Layout:LP 2.01 LANDSCAPE DETAILS January 08, 2020 02:35:14pm \\WDLFP01\Data\Project\WDL_Aviation\067792503 - Addison Galaxy FBO\ACAD\dwg\Sheets\Landscape\L - LANDSCAPE DETAILS.dwg
This document, together with the concepts and designs presented herein, as an instrument of service, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.