

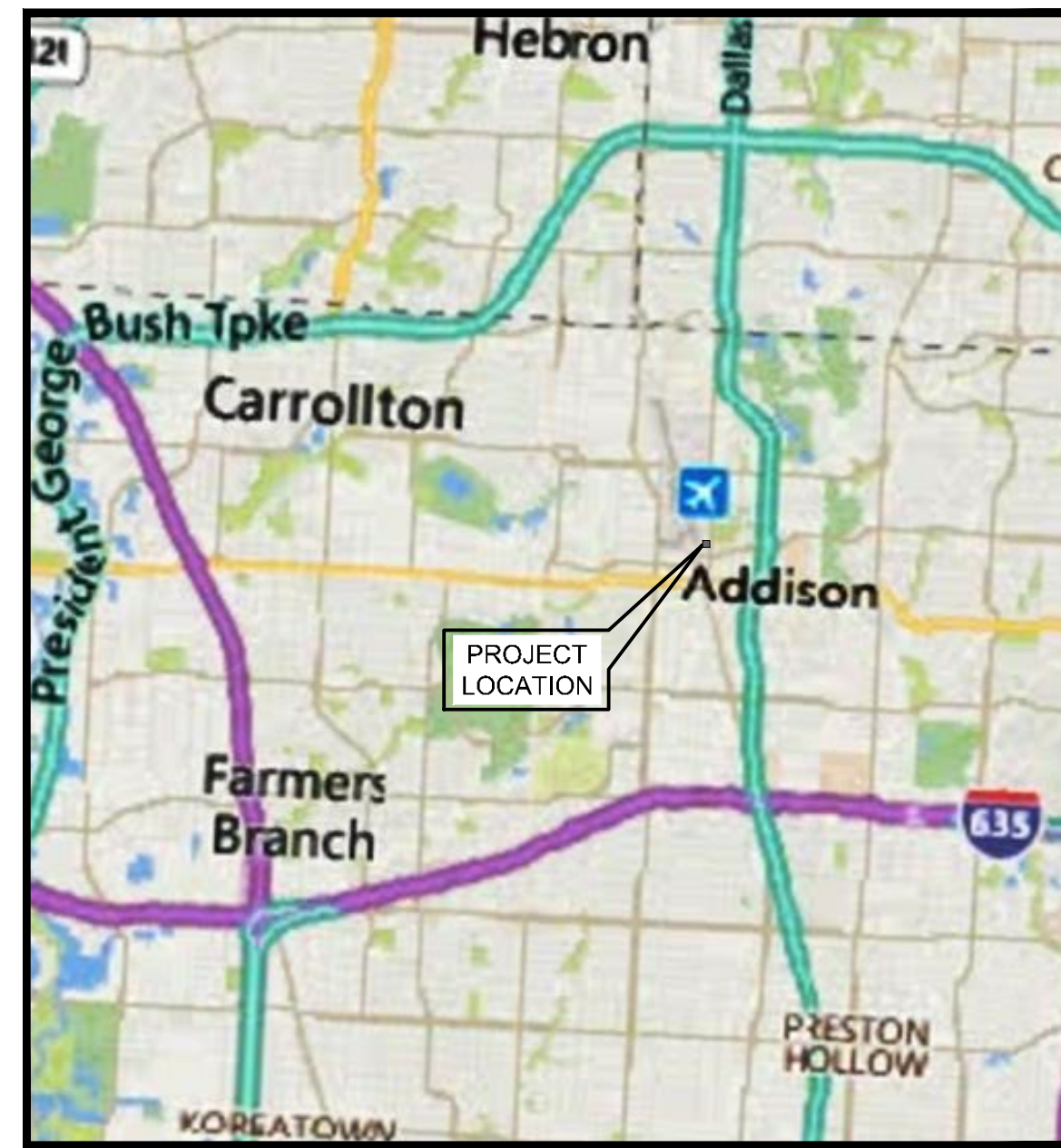
GALAXY FBO

BLACK FOREST VENTURE INC.

ADDISON AIRPORT (ADS)

ADDISON, DALLAS COUNTY, TEXAS 75001

TOWN PROJECT # 2019-09D



AREA MAP
NOT TO SCALE



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

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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:

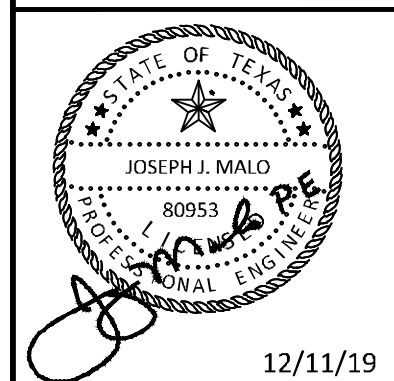
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ADDENDUM #1	ADDENDUM #5	ADDENDUM #6	DATE	BY
A	A	B	09/10/2019	JM
			10/24/2019	JM
			12/11/2019	JM

Kimley»Horn

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THE WOODLANDS, TEXAS 77380
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KHA PROJECT	DATE	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY
067792503	12/11/2019	AS SHOWN	HCV	EAC	HCV

COVER SHEET

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

DALLAS, TEXAS
ADDISON

SHEET NUMBER
C00.01


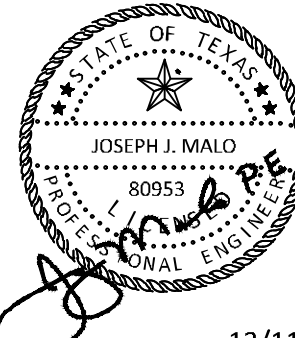
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ADDENDUM #1	09/10/2019	JM
ADDENDUM #5	10/24/2019	JM
ADDENDUM #6	12/11/2019	JM
No.	REVISIONS	DATE
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KHA PROJECT	067792503	DATE
SCALE	AS SHOWN	DESIGNED BY
DRAWN BY	EC	EAC
CHECKED BY	HCV	HCV
INDEX OF DRAWINGS		
ADDISON GALAXY FBO 15601 ADDISON RD. PREPARED FOR BLACK FOREST VENTURE		
DALLAS, TEXAS		
SHEET NUMBER C00.02		

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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 ENVIRONMENTALS 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 CONTRACTORS' 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. THERE 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 TAXIWAY CONNECTION 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.

ADDENDUM #1	ADDENDUM #5	ADDENDUM #6	No.	REVISIONS	DATE	BY
A						
	B					
		C				

Kimley » Horn

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12/11/19

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

SAFETY NOTES

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

SHEET NUMBER
C00.03

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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 199). 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


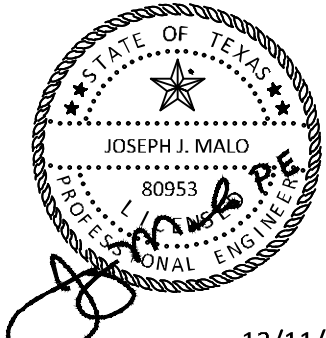
- 1. SANITARY SEWERS SHALL BE CONSTRUCTED IN COMPLIANCE WITH THE LATEST CITY SPECIFICATIONS FOR SEWER CONSTRUCTION, AND TESTED AS SPECIFIED IN THE CITY TEST PROCEDURE FOR EITHER LIQUID OR AIR, INCLUDING ALL AMENDMENTS AND REVISIONS THERETO. BACKFILL AND BEDDING FOR SANITARY SEWERS MUST MEET ALL MINIMUM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

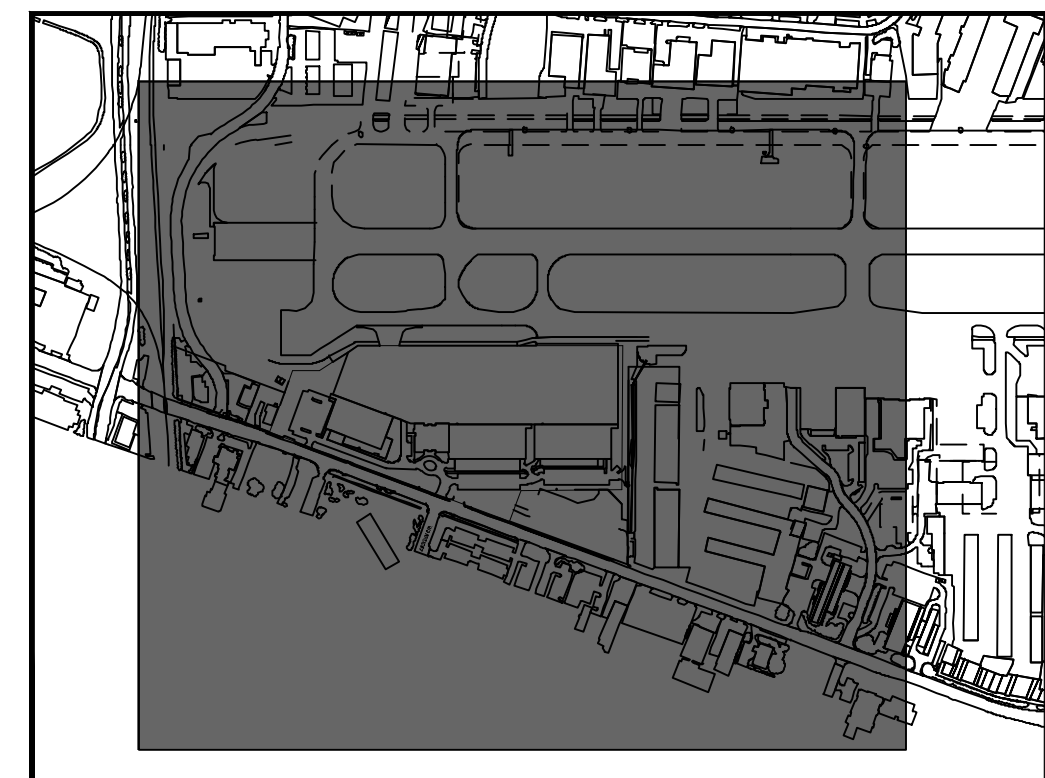
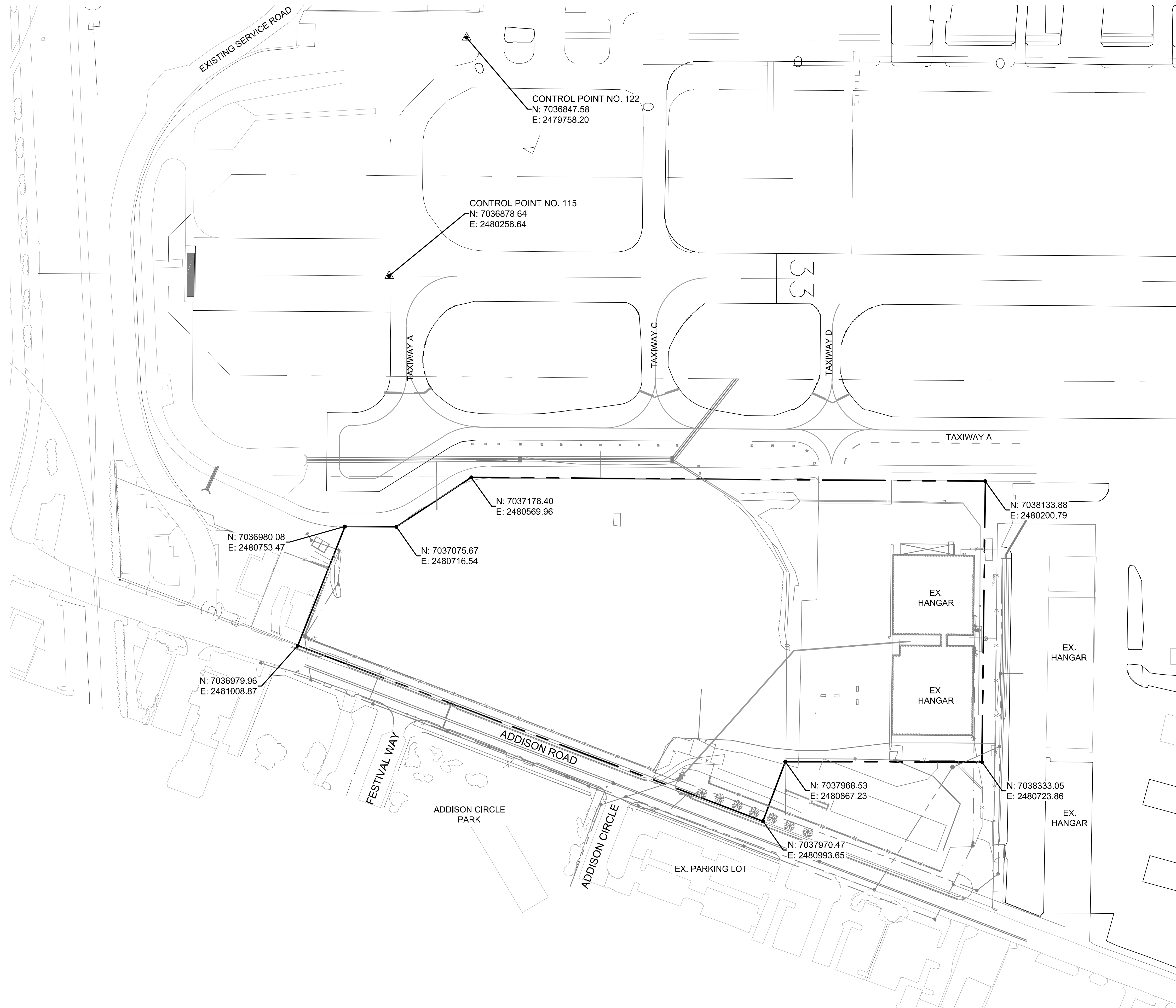
- 1. CONTRACTOR SHALL PROVIDE THRUST BLOCKING PER THE TOWN OF ADDISON STANDARD DETAILS TO WITHSTAND TEST PRESSURE AS SPECIFIED.
- 2. PRIOR TO INSTALLATION OF WATER METER, WATER METER LEAD OR METERED FIRE SPRINKLER LINE, THE CONTRACTOR SHALL CONTACT THE PERMIT DIVISION.
- 3. ALL WATER MAINS SHALL BE HYDROSTATICALLY 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

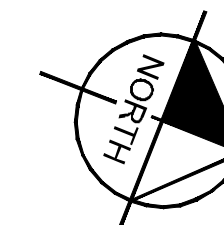
- 1. THE CONTRACTOR SHALL MEET THE REQUIREMENTS OF ALL FEDERAL AVIATION ADMINISTRATION (FAA) CONSTRUCTION SPECIFICATIONS FOR ALL AIRFIELD WORK.
- 2. THE CONTRACTOR SHALL MEET THE THE TOWN OF ADDISON PAVEMENT NOTES AND DETAILS FOR NON-AIRFIELD PAVEMENT.
- 3. T.C. INDICATES TOP OF CURB ELEVATION T.P. INDICATES 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.

KHA PROJECT 067792503		DATE 12/11/2019		SCALE AS SHOWN	DESIGNED BY HCV	DRAWN BY EC	EAC	CHECKED BY HCV	ADDISON		
09/10/2019		10/24/2019		12/11/2019							
ADDENDUM #1		ADDENDUM #5		ADDENDUM #6							
A		B		C							
No.		REVISIONS		DATE		BY					
											
											
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CONSTRUCTION NOTES											
ADDISON GALAXY FBO 15601 ADDISON RD. PREPARED FOR BLACK FOREST VENTURE											
DALLAS, TEXAS											
SHEET NUMBER C00.04											

Plotted By: Lamiar, Morgan Street: Setzko Layout: C00.05 December 12, 2019 05:40:40pm K:\WDL_Aviation\067792503 - Addison Galaxy FBO\ACAD.dwg Sheets: C00.05 SURVEY CONT'D.dwg
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KEY PLAN



NOTES:

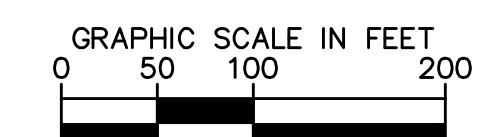
- HORIZONTAL AND VERTICAL SURVEY CONTROL IS BASED ON THE ADDISON AIRPORT CONTROL NETWORK AND BROUGHT TO SURFACE COORDINATES BY APPLYING A PROJECT SCALE FACTOR TO 1.000126422.
- FIR DENOTES A FOUND IRON ROD.
- SIR DENOTES A 5/8" IRON ROD SET WITH PLASTIC CAP STAMPED 'SPARR SURVEYS'.
- SET MAG NAIL DENOTES A MAGNETIC NAIL SET WITH FLASHER STAMPED 'RPLS 3701'.
- 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.



ADDISON #1	09/10/2019	JM	BY
ADDISON #5	10/24/2019	JM	DATE
ADDISON #6	12/11/2019	JM	REVISIONS
No.			

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 PHONE: 281-475-2816
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 WWW.KIMLEY-HORN.COM

STATE OF TEXAS
 JOSEPH J. MALO
 80953
 PROFESSIONAL ENGINEER
 12/11/19

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

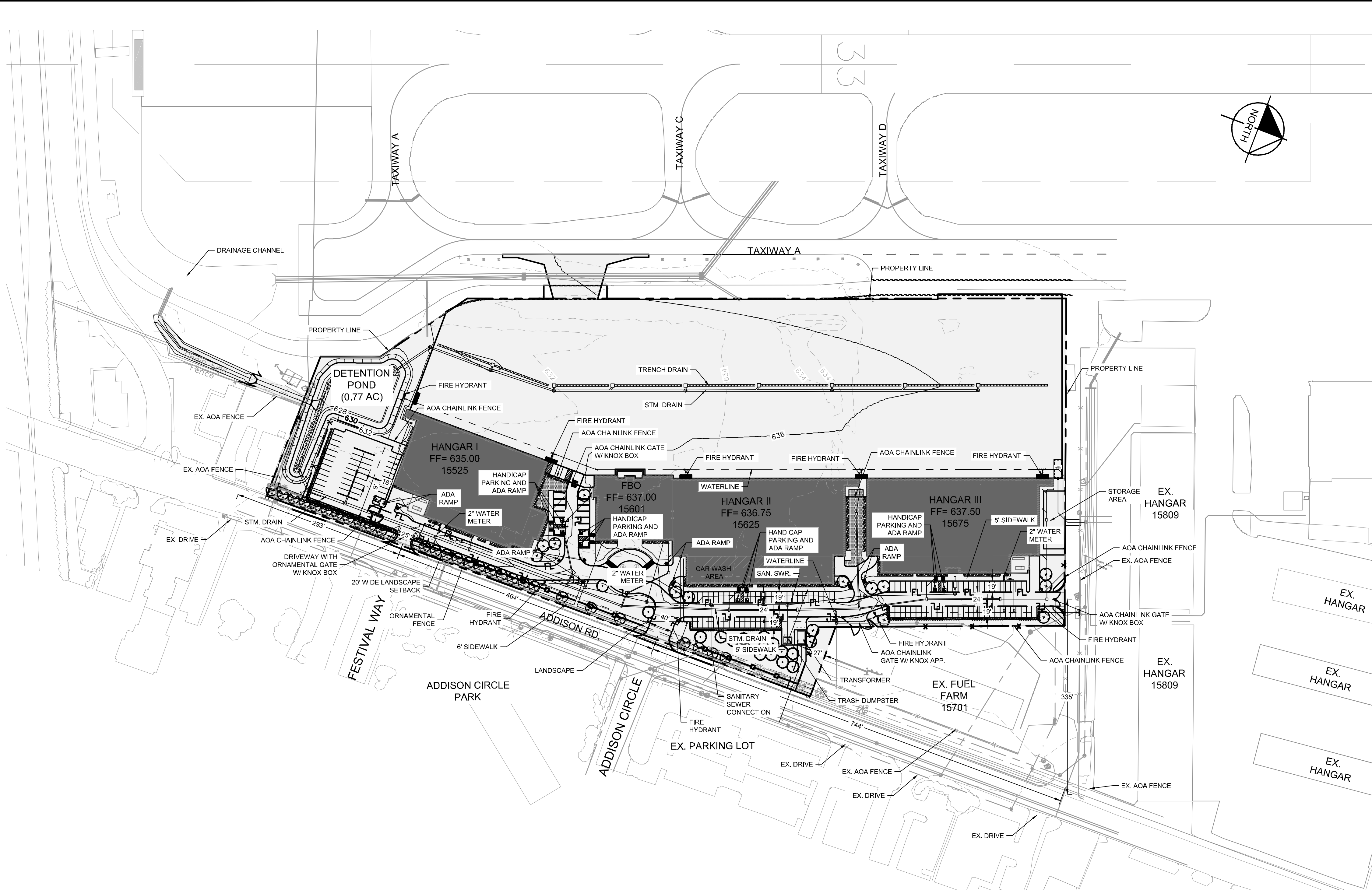
SURVEY CONTROL

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

ADDISON DALLAS, TEXAS

SHEET NUMBER
C00.05

Plotted By: Lamiar, Morgan; Street: Set: kha; Layout: C00.06; December 12, 2019 05:41:08pm; K:\V\DL\A\Addison\067792503 - Addison_Galaxy_FBO\ACAD\dwg\Sheets\C00.06 SITE PLAN.dwg
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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"

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

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

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

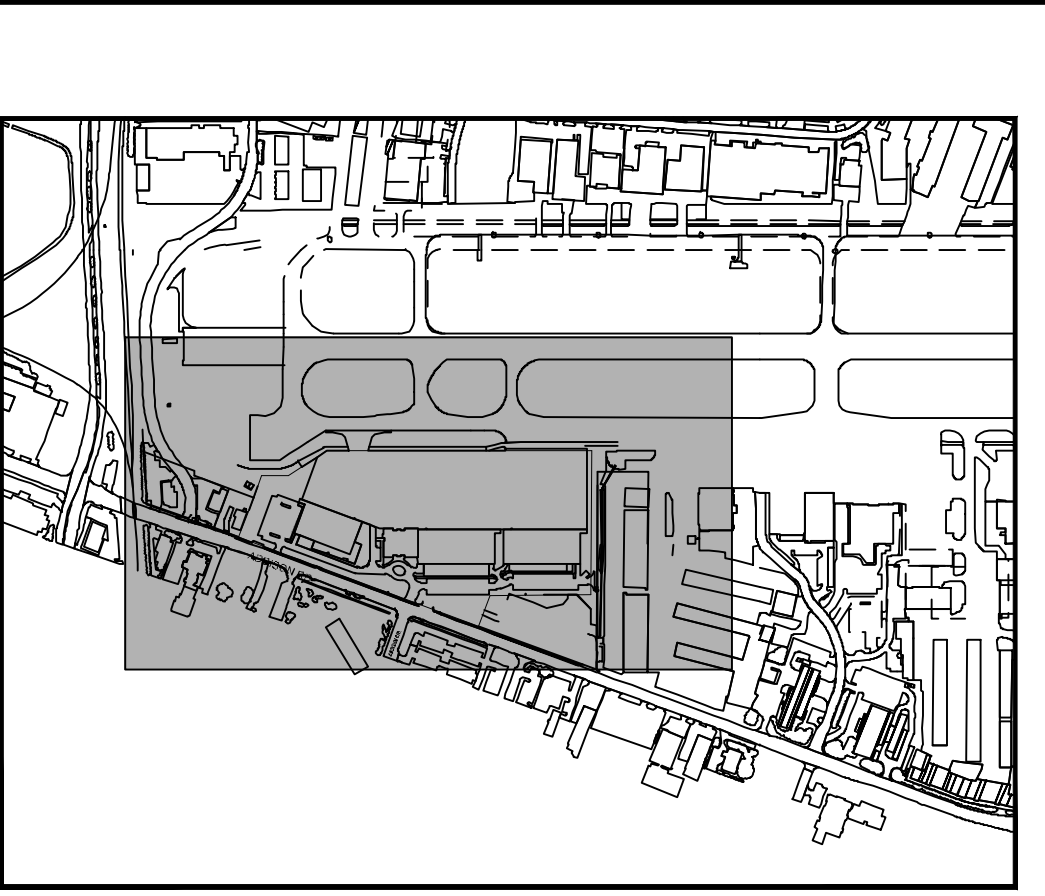
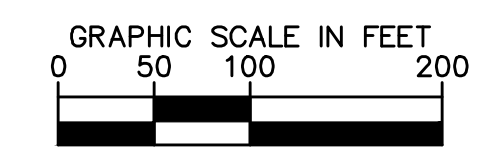
IRRIGATION WATER METER TABLE	
IRRIGATION	2" IRRIGATION WATER METER

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

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

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 48113C0180K, 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:

- ANY REVISION TO THIS PLAN WILL REQUIRE TOWN OF ADDISON APPROVAL AND WILL REQUIRE REVISIONS TO ANY CORRESPONDING PLANS TO AVOID CONFLICTS BETWEEN PLANS.
- OPEN STORAGE, WHERE PERMITTED, SHALL BE SCREENED IN ACCORDANCE WITH THE ZONING ORDINANCE.
- 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.
- ALL SIGNAGE IS SUBJECT TO TOWN APPROVAL.
- ALL FENCES AND RETAINING WALLS SHALL BE SHOWN ON THE SITE PLAN AND ARE SUBJECT TO BUILDING INSPECTION DIVISION APPROVAL.
- HANDICAP PARKING IS PROVIDED IN ACCORDANCE WITH THE ADA STANDARDS!

ZONING:
 ZONE CLASS: I-3
 ZN CLS DESC: INDUSTRIAL-3 DISTRICT

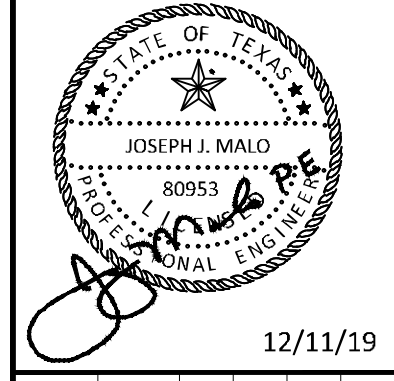
ACTION	
APPROVED	DENIED
STAFF _____	_____
Date _____	Initials _____
COUNCIL _____	_____
Date _____	Initials _____

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:	ADDISON 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 ADDISON NUMBER:	2019-09D
PREPARATION DATE:	7/15/2019

ADDENDUM #1	ADDENDUM #5	ADDENDUM #6	NO.	REVISIONS	DATE	BY
1					09/10/2019	JM
2					10/24/2019	JM
3					12/11/2019	JM

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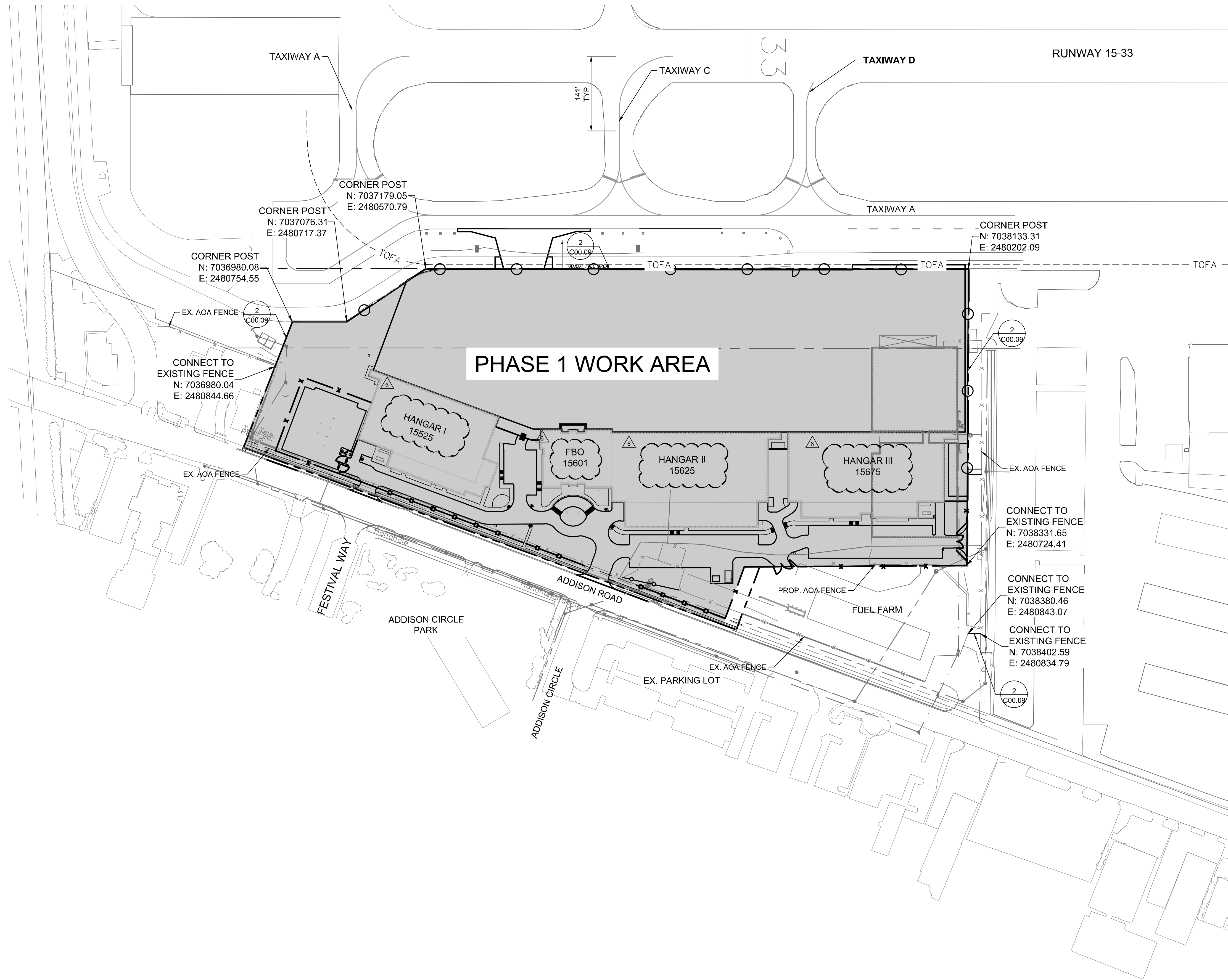
KHA PROJECT	DATE	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY
067792503	12/11/2019	AS SHOWN	HCV	EAC	HCV

SITE PLAN

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

SHEET NUMBER
C00.06

Plotted By: Lamar, Morgan Street Set: Kha Layout: C00.07 December 12, 2019 05:41:30pm K:\V\A\Aviation\067792503 - Addison Galaxy FBO\ACAD\Draw Sheets\C00.07 SAFETY PLAN.dwg
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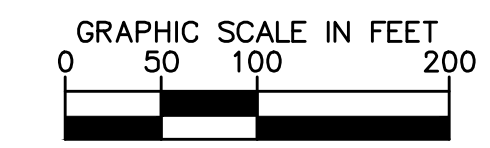


NOTES – PHASE I:

- THE SCOPE OF WORK OF THIS PROJECT WILL REQUIRE PERSONNEL AND EQUIPMENT WITHIN THE AIRPORT'S ACTIVE AIRPORT OPERATION AREA (AOA).
 - THE CONTRACTOR SHALL CONTROL THE MOVEMENT AND ACTIVITIES OF ITS EMPLOYEES AND SUBCONTRACTORS AT ALL TIMES.
 - 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.
 - 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.
 - 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".
 - 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.
 - PHASE II INCLUDES ALL WORK WITHIN THE TAXIWAY OBJECT FREE AREA AS ILLUSTRATED ON SHEET C00.08.
- 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.
- 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.

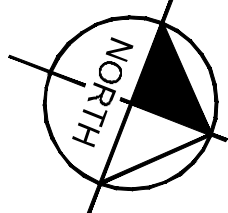
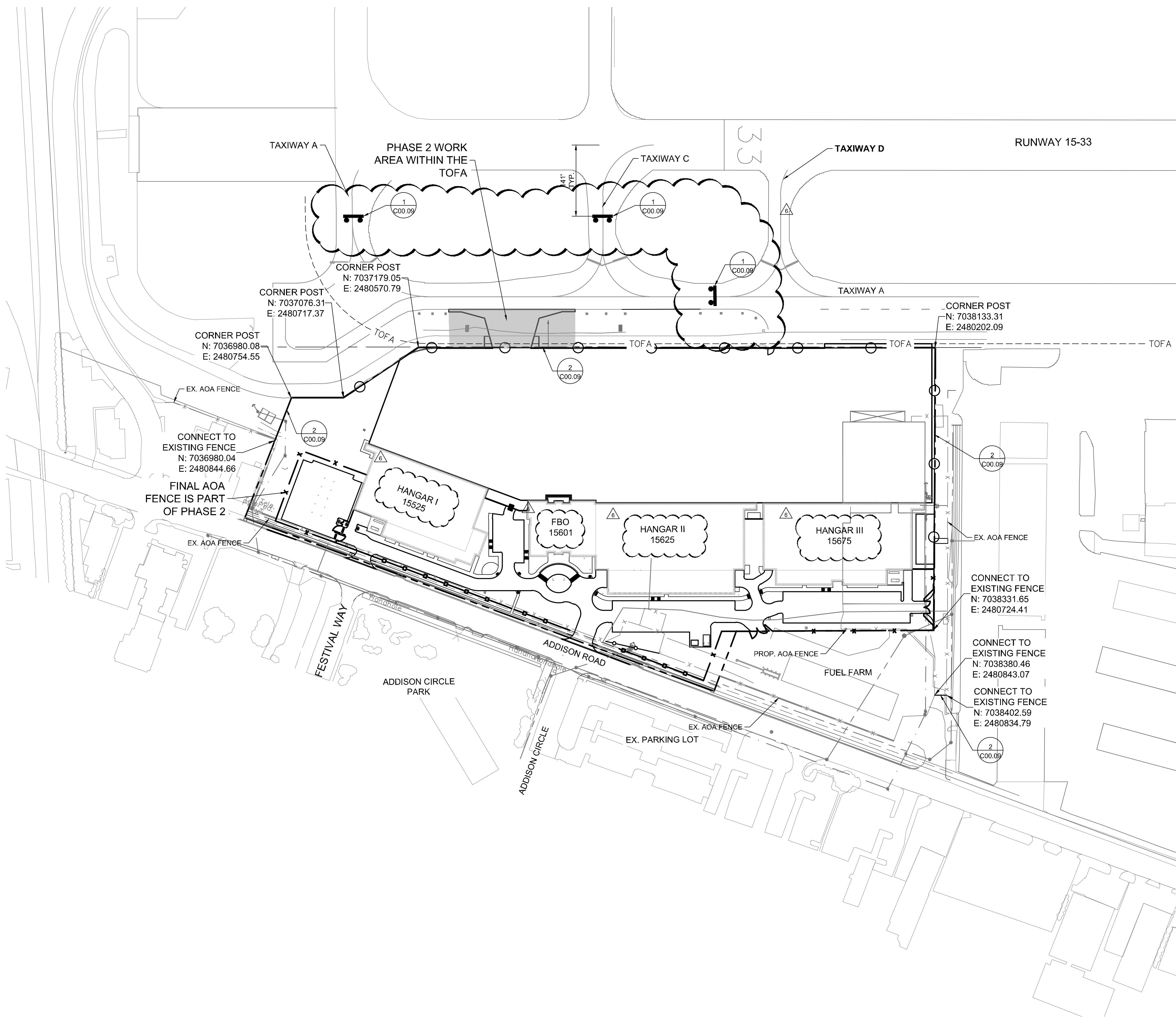
LEGEND:

- PHASE I LIMITS OF WORK
- TEMPORARY CONSTRUCTION FENCE



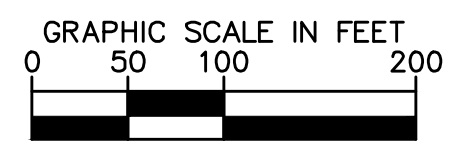
ADDENDUM #1	09/10/2019	JM
ADDENDUM #5	10/24/2019	JM
ADDENDUM #6	12/11/2019	JM
No.	REVISIONS	DATE
© 2019 KIMLEY-HORN AND ASSOCIATES, INC. 1400 WOODLICK FOREST DRIVE, SUITE 225 DALLAS, TEXAS 75244 PHONE: 281-475-2816 TBP# FIRM REGISTRATION F-928 WWW.KIMLEY-HORN.COM		
KHA PROJECT	067792503	DATE
SCALE	AS SHOWN	DESIGNED BY
DRAWN BY	EC	EAC
CHECKED BY	HCV	HCV
PHASE I SAFETY PLAN		
ADDISON GALAXY FBO 15601 ADDISON RD. PREPARED FOR BLACK FOREST VENTURE		
SHEET NUMBER C00.07		
DALLAS, TEXAS ADDISON		

Plotted By: Lamiar, Morgan Street: Set: Kha Layout: C00.08 December 12, 2019 05:41:34pm K:\V\A\Addison\067792503 - Addison Galaxy FBO\ACAD.dwg Sheets: C00.07 SAFETY PLAN.dwg
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- NOTES – PHASE II:**
- THE SCOPE OF WORK OF THIS PROJECT WILL REQUIRE PERSONNEL AND EQUIPMENT WITHIN THE AIRPORT'S ACTIVE AIRPORT OPERATION AREA (AOA).
 - THE CONTRACTOR SHALL CONTROL THE MOVEMENT AND ACTIVITIES OF ITS EMPLOYEES AND SUBCONTRACTORS AS ALL TIMES.
 - 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.
 - 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.
 - ALL CONSTRUCTION SHALL CONFORM TO THE GUIDELINES SET FORTH IN FEDERAL AVIATION ADMINISTRATION (FAA) AC 150/5370-2F "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION".
 - THIS PROJECT IS DIVIDED INTO TWO DISTINCT PHASES:
 - 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.
 - 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



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

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12/11/19

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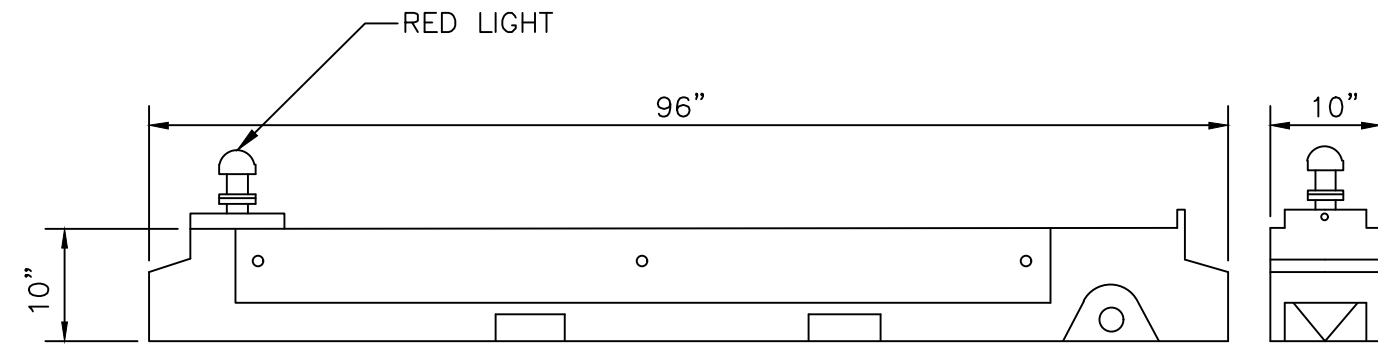
PHASE II SAFETY PLAN

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

DALLAS, TEXAS
ADDISON

SHEET NUMBER C00.08	
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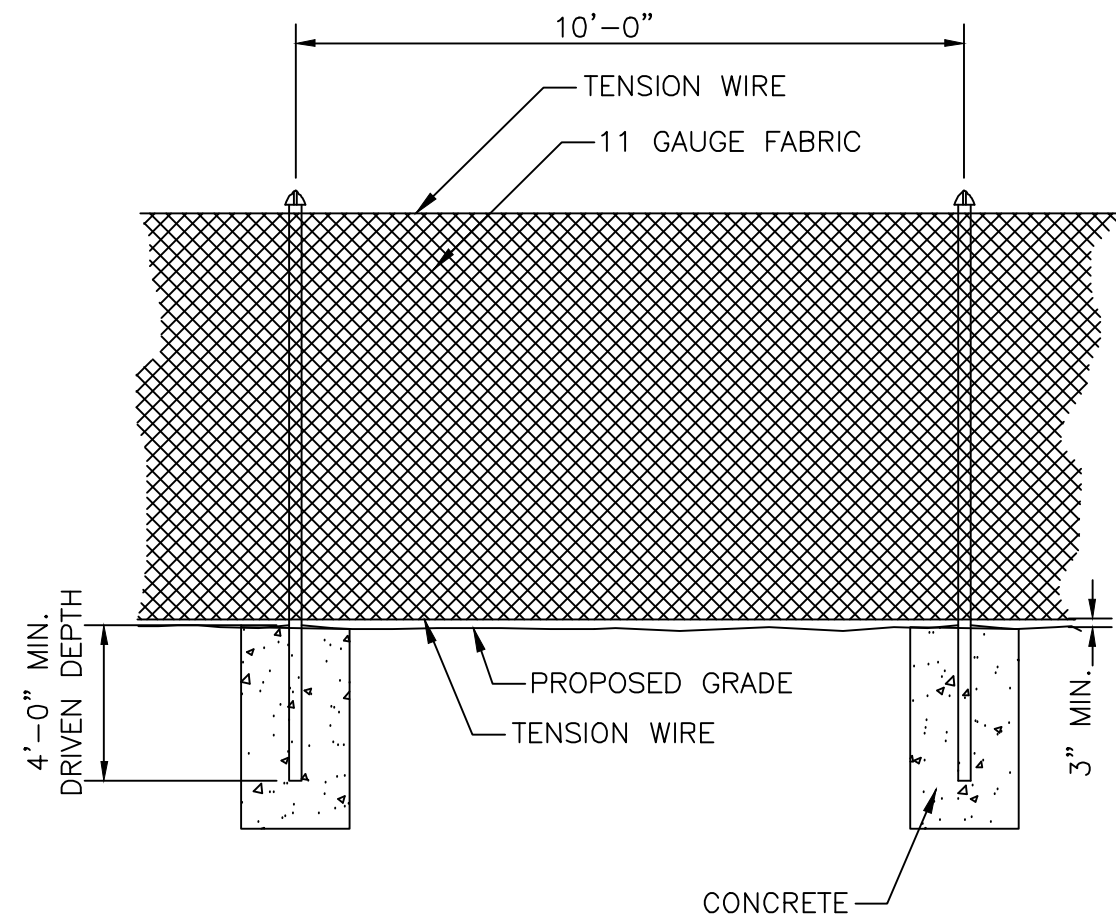
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BARRICADE NOTES:

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.



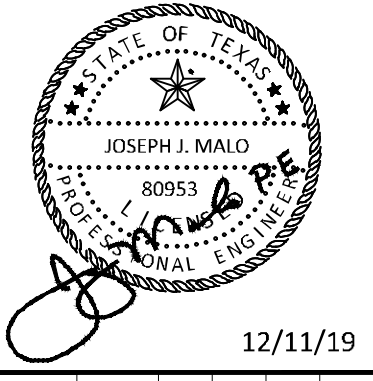
NOTES:

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

2 TEMPORARY CONSTRUCTION FENCE
N.T.S.

ADDENDUM #1	JM	DATE
ADDENDUM #5	JM	09/10/2019
ADDENDUM #6	JM	10/24/2019
ADDENDUM #6	JM	12/11/2019
No.	REVISIONS	DATE

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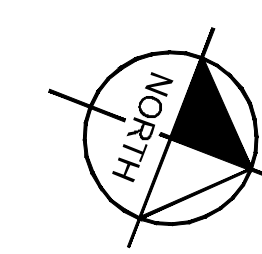
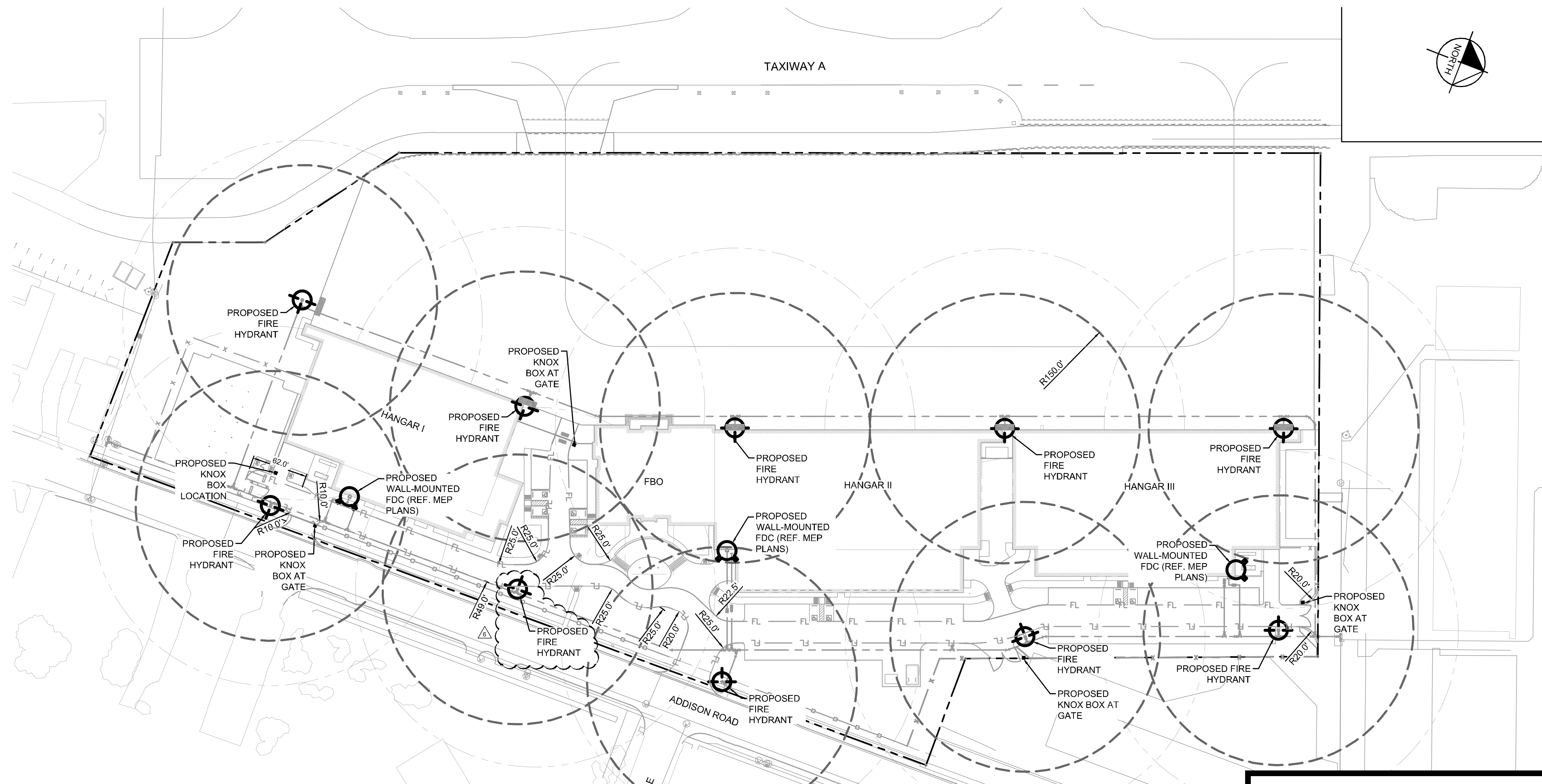
KHA PROJECT	067792503
DATE	12/11/2019
SCALE	AS SHOWN
DESIGNED BY	HCV
DRAWN BY	EC EAC
CHECKED BY	HCV

SAFETY DETAILS

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

SHEET NUMBER
C00.09

Plotted By: Lamar, Morgan Street Set: Kha Layout: C00.10 December 12, 2019 05:42:09pm K:\V\A\Aviation\067792503 - Addison Galaxy FBO\KAD.dwg Sheets: C00.10 FIRE PLAN.dwg
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NOTES

- SEE WATERLINE PLAN SHEETS FOR HYDRANT LOCATIONS.

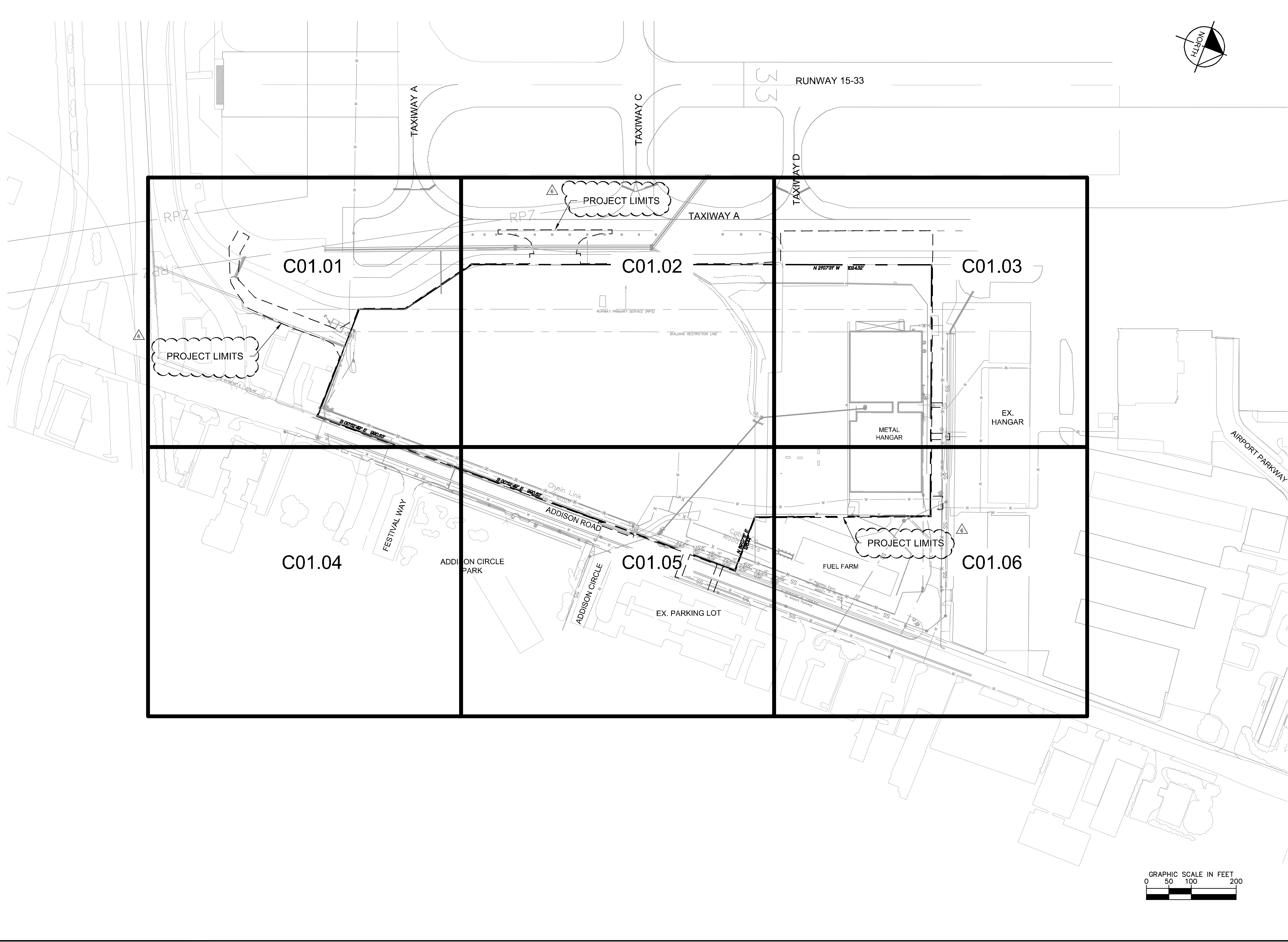
LEGEND

- 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

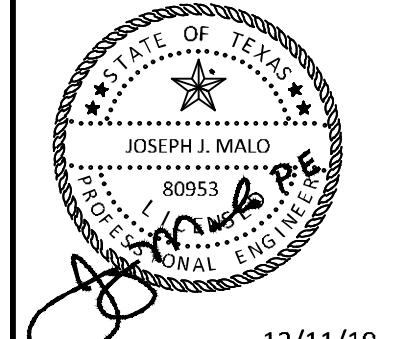
ADDISON GALAXY FBO 15601 ADDISON RD. PREPARED FOR BLACK FOREST VENTURE ADDISON DALLAS, TEXAS	KHA PROJECT 067792503	DATE 12/11/2019	SCALE AS SHOWN	DESIGNED BY HCV DRAWN BY EC EAC CHECKED BY HCV	12/11/19			© 2019 KIMLEY-HORN AND ASSOCIATES, INC. 1400 WOODLICK FOREST DRIVE, SUITE 225 FORT WORTH, TEXAS 76104 PHONE: 281-475-2816 TBPE FIRM REGISTRATION F-928 WWW.KIMLEY-HORN.COM
	ADDENDUM #1	ADDENDUM #5	ADDENDUM #6					
	09/10/2019 JM	10/24/2019 JM	12/11/2019 JM					
	No.	REVISIONS	DATE	BY				

Plotted By: Lamar, Morgan Street Set: Kha Layout: C01.00 December 12, 2019 05:42:26pm K:\V\A\Aviation\067792503 - Addison Galaxy FBO\ACAD\dwg\Sheets\C01.00 EXISTING_CONDITION.dwg
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ADDENDUM #1	JM	DATE	BY
1	JM	09/10/2019	JM
2	JM	10/24/2019	JM
3	JM	12/11/2019	JM
4			
5			
6			

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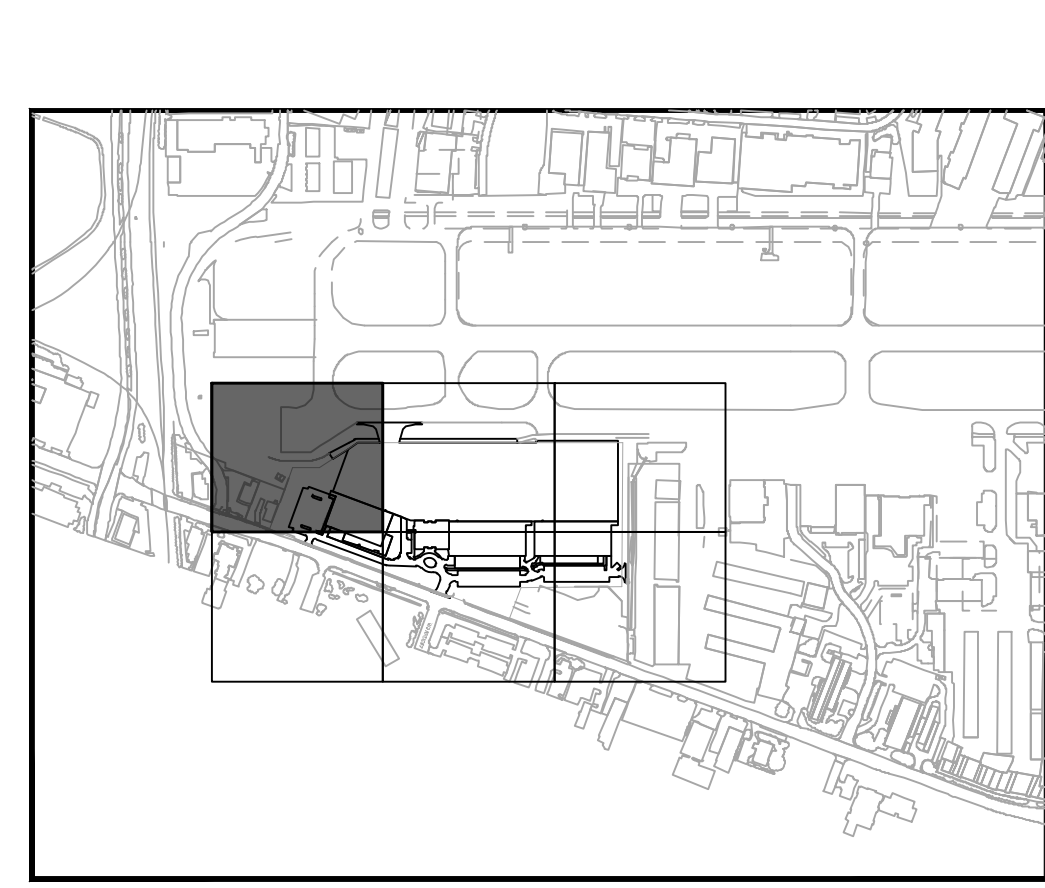
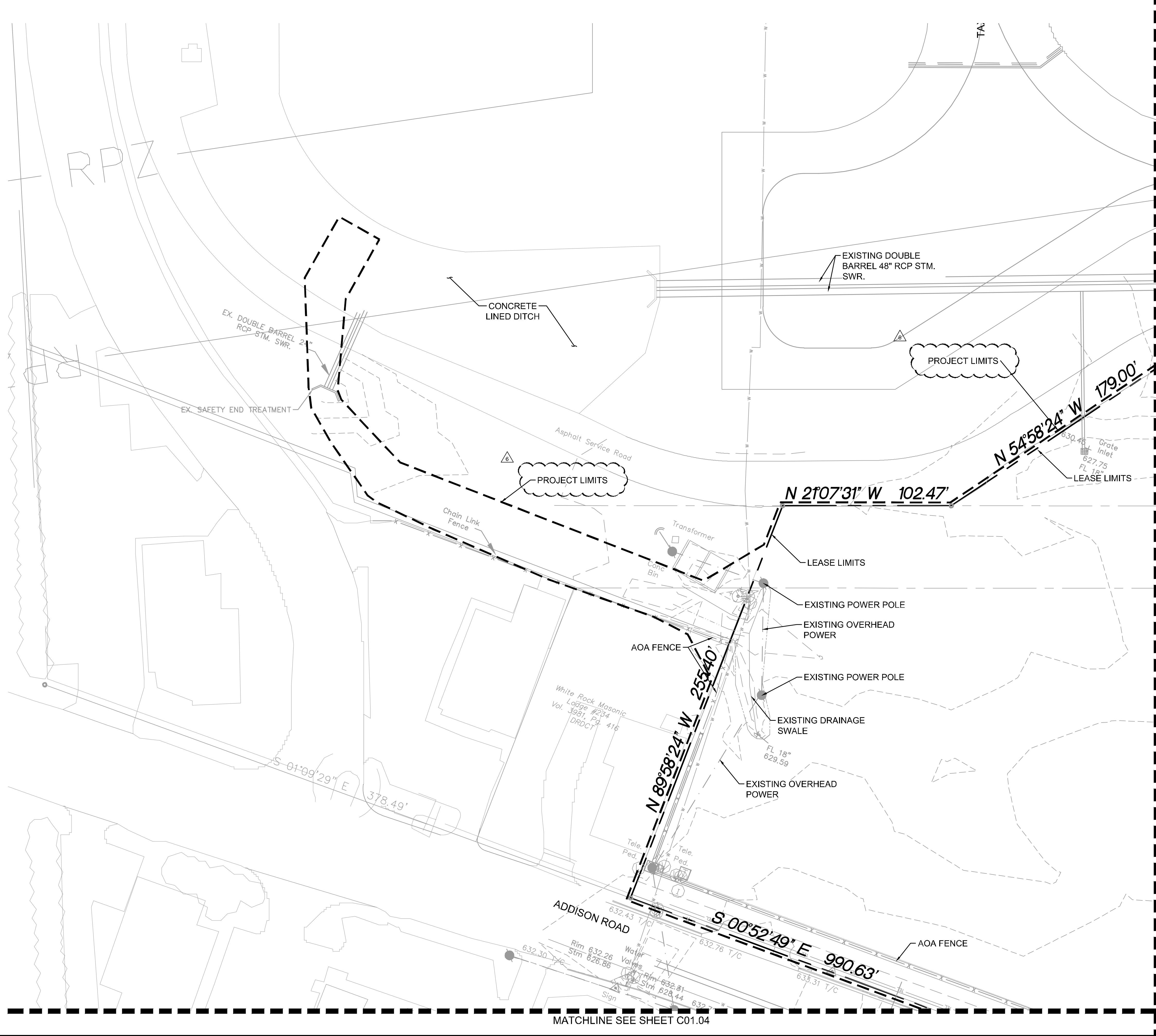
KHA PROJECT	067792503
DATE	12/11/2019
SCALE	AS SHOWN
DESIGNED BY	HCV
DRAWN BY	EC EAC
CHECKED BY	HCV

**EXISTING CONDITIONS
 OVERALL**

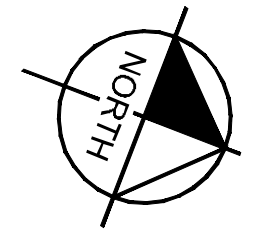
ADDISON GALAXY FBO
 15601 ADDISON RD.
 PREPARED FOR
BLACK FOREST VENTURE
 DALLAS, TEXAS
 ADDISON

SHEET NUMBER
C01.00

Plotted By: Lanier, Morgan Street: Setkha Layout: C01.01 December 12, 2019 05:42:31pm K:\V\Draw\Aviation\067792503 - Addison Galaxy FBO\ACAD.dwg Sheets\01.00 EXISTING CONDITION.dwg
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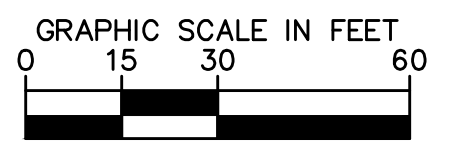


KEY PLAN



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



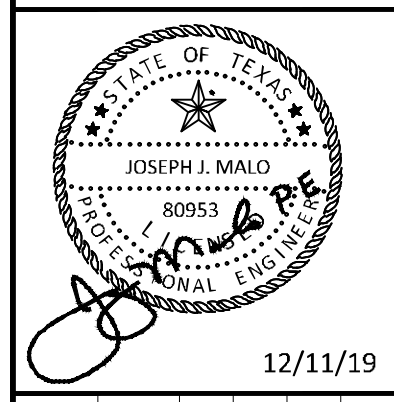
MATCHLINE SEE SHEET C01.02

MATCHLINE SEE SHEET C01.04

ADDENDUM #1	DATE	BY
1	09/10/2019	JM
2	10/24/2019	JM
3	12/11/2019	JM

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

EXISTING CONDITIONS

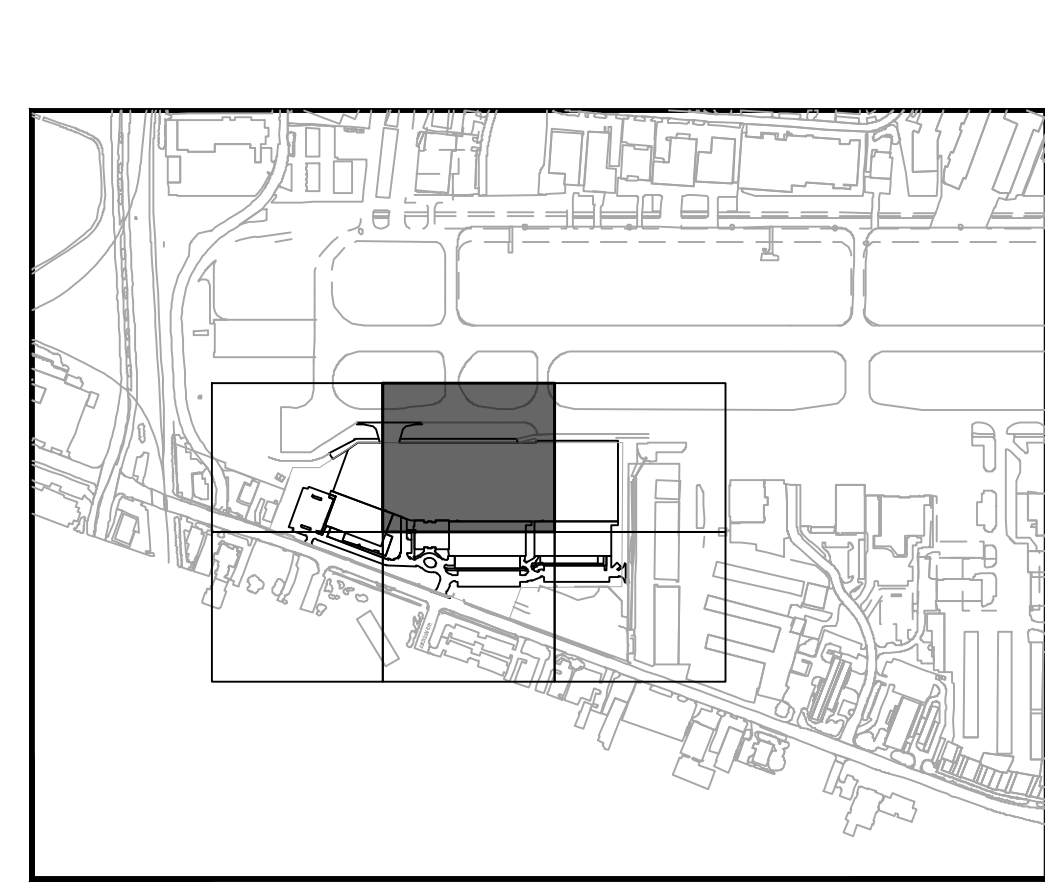
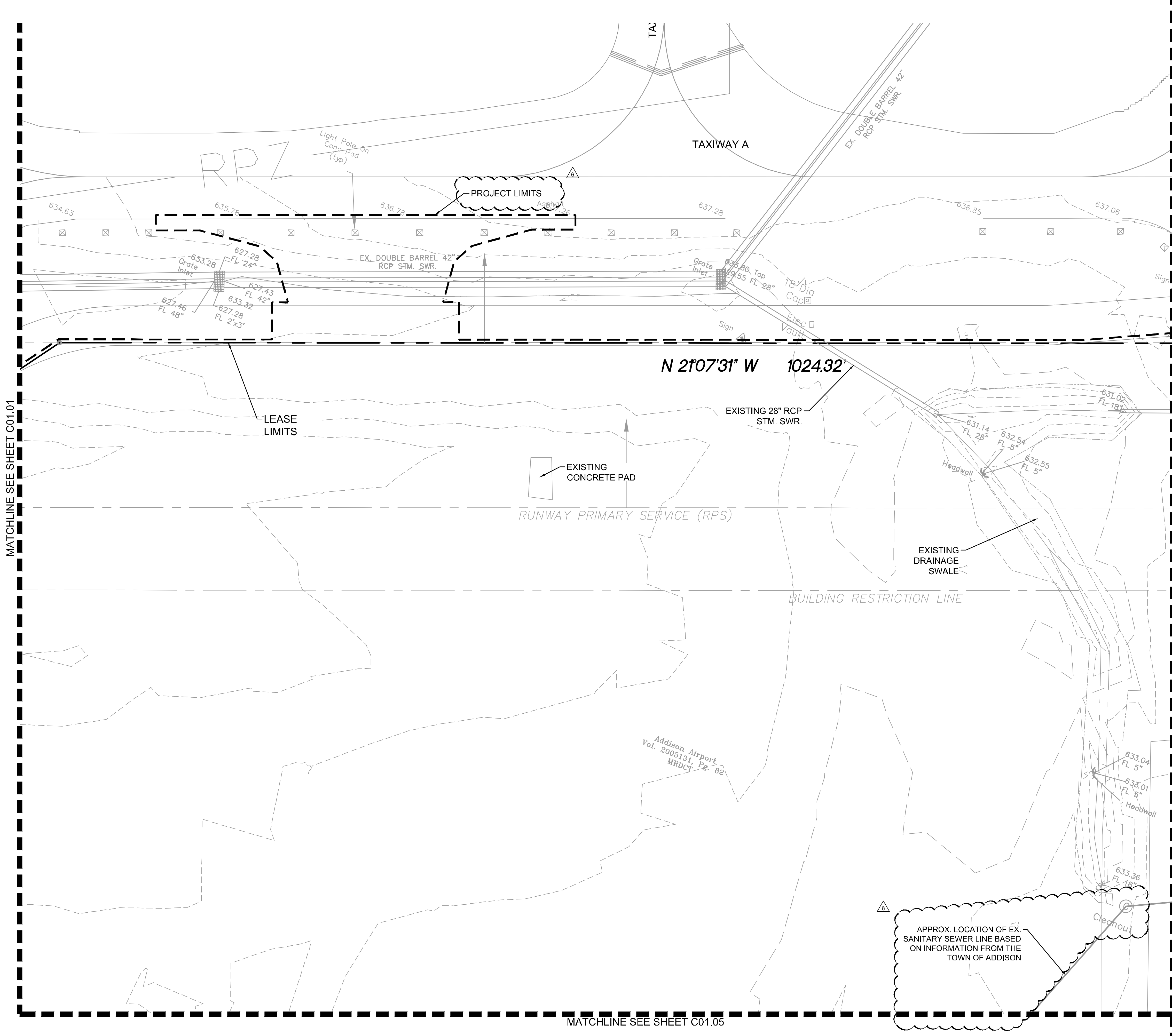
ADDISON GALAXY FBO
 15601 ADDISON RD.
 PREPARED FOR
BLACK FOREST VENTURE

DALLAS, TEXAS

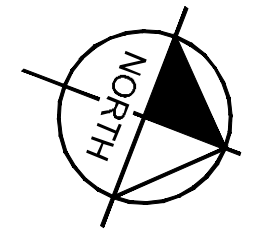
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SHEET NUMBER
C01.01

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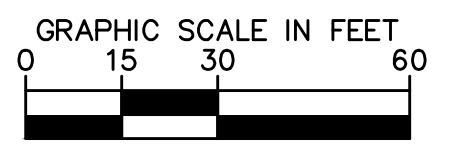


KEY PLAN



SYMBOL LEGEND

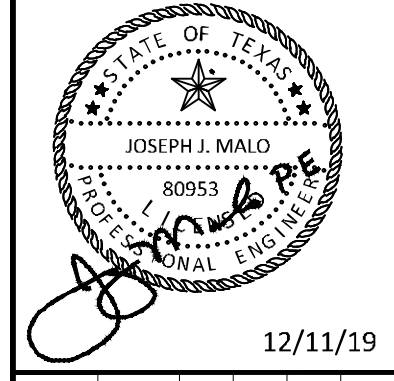
- Power Pole
- Light Pole
- Water Meter
- Water Valve
- Gas Meter
- Hydrant
- Cleanout
- Sign
- Electric Meter
- Monitoring Well
- Telephone Pedestal
- Handhole
- Irrig. Control Valve



ADDENDUM #	DATE	BY
1	09/10/2019	JM
2	10/24/2019	JM
3	12/11/2019	JM

Kimley»Horn

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 TBP# FIRM REGISTRATION F-928
 WWW.KIMLEY-HORN.COM



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

EXISTING CONDITIONS

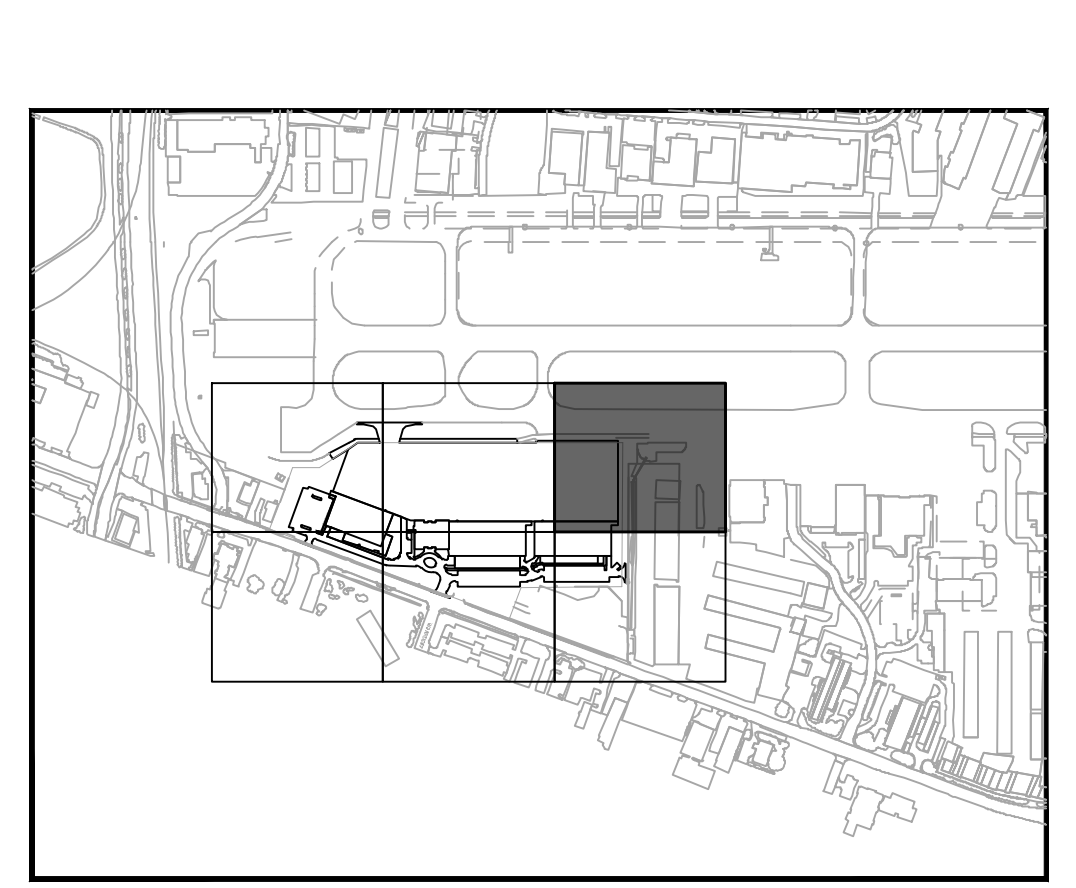
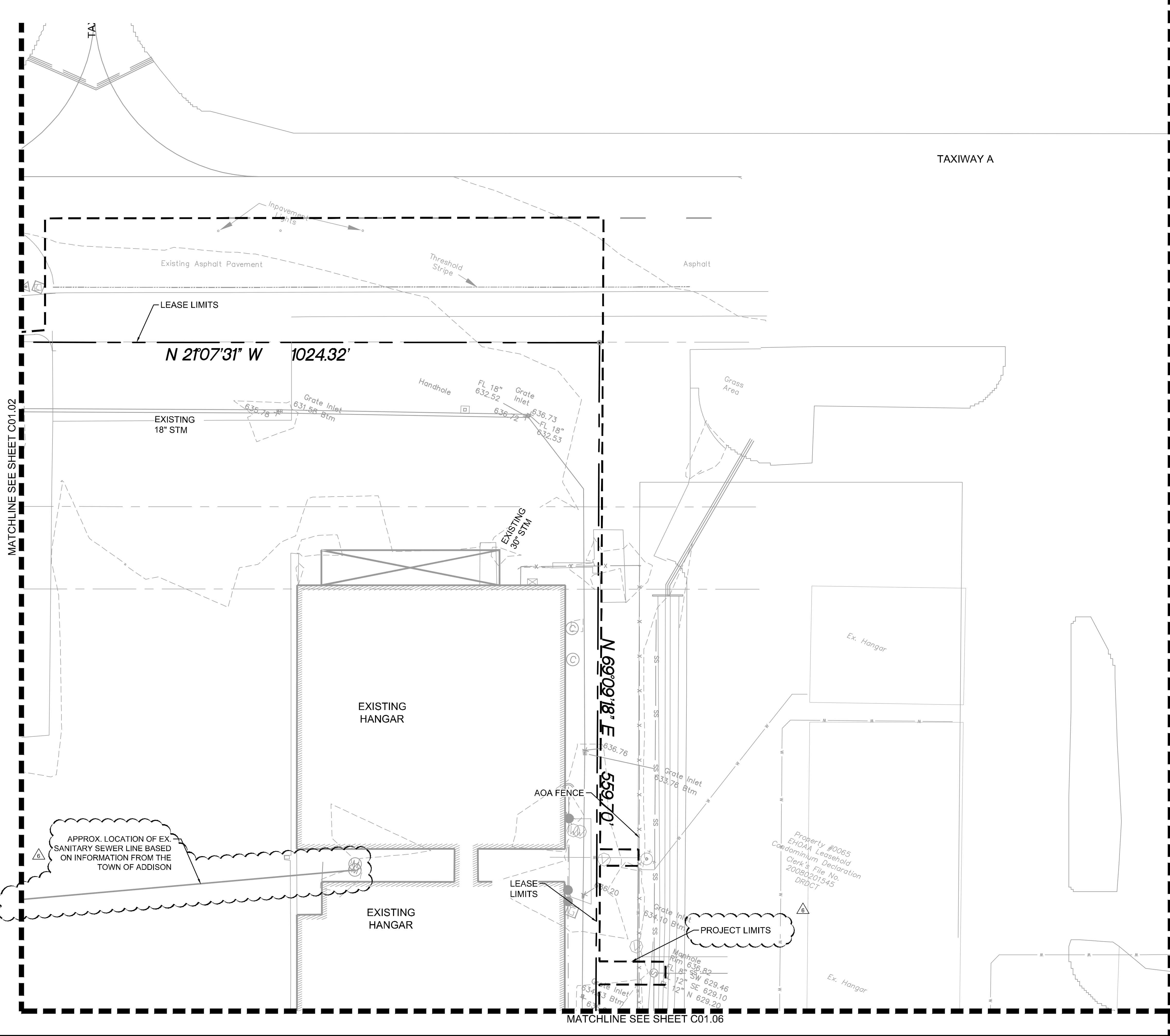
ADDISON GALAXY FBO
 15601 ADDISON RD.
 PREPARED FOR
BLACK FOREST VENTURE

DALLAS, TEXAS

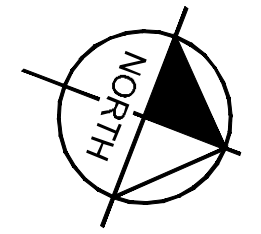
ADDISON

SHEET NUMBER
C01.02

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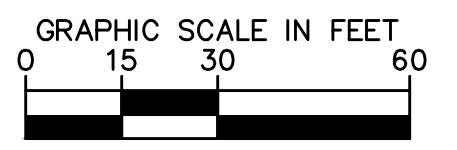


KEY PLAN



SYMBOL LEGEND

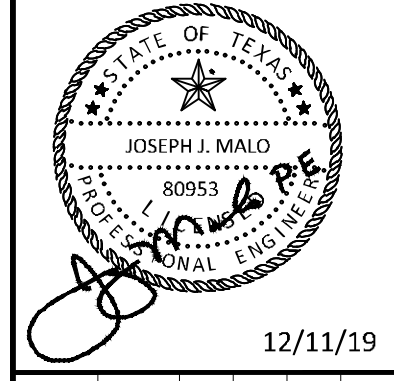
- ⊗ Power Pole
- ⊞ Light Pole
- ⊕ Water Meter
- ⊕ Water Valve
- ⊞ Gas Meter
- ⊕ Hydrant
- ⊙ Cleanout
- ⊞ Sign
- ⊞ Electric Meter
- ⊙ Monitoring Well
- ⊞ Telephone Pedestal
- ⊞ Handhole
- ⊕ Irrig. Control Valve



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

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

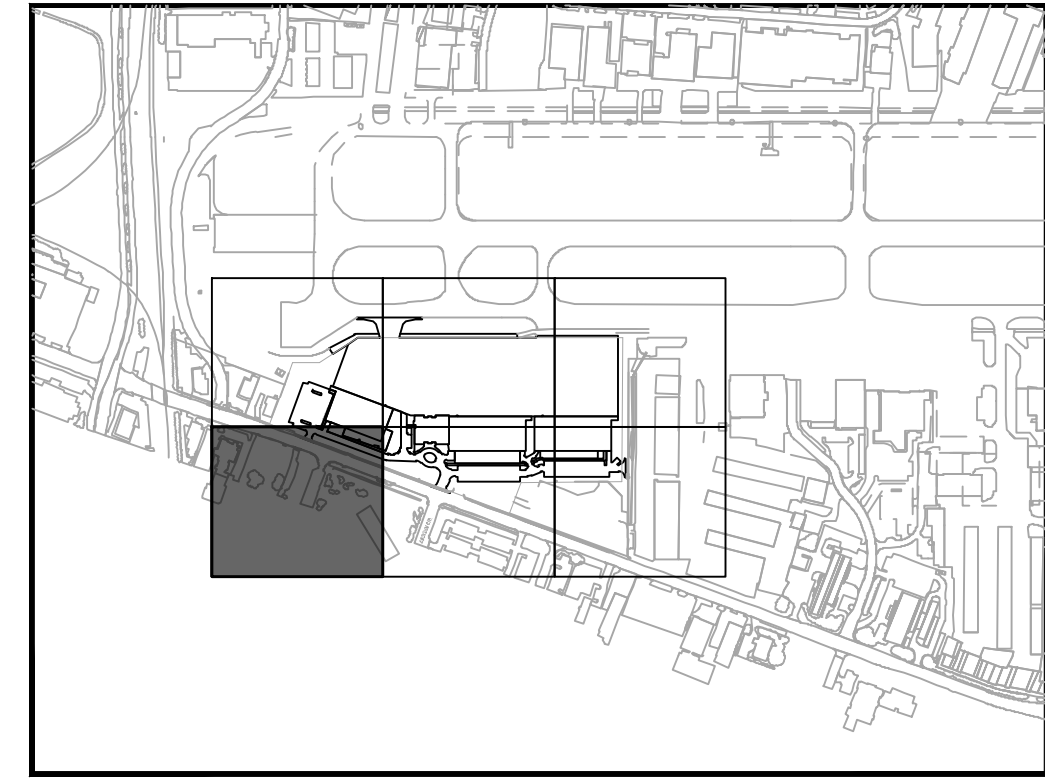
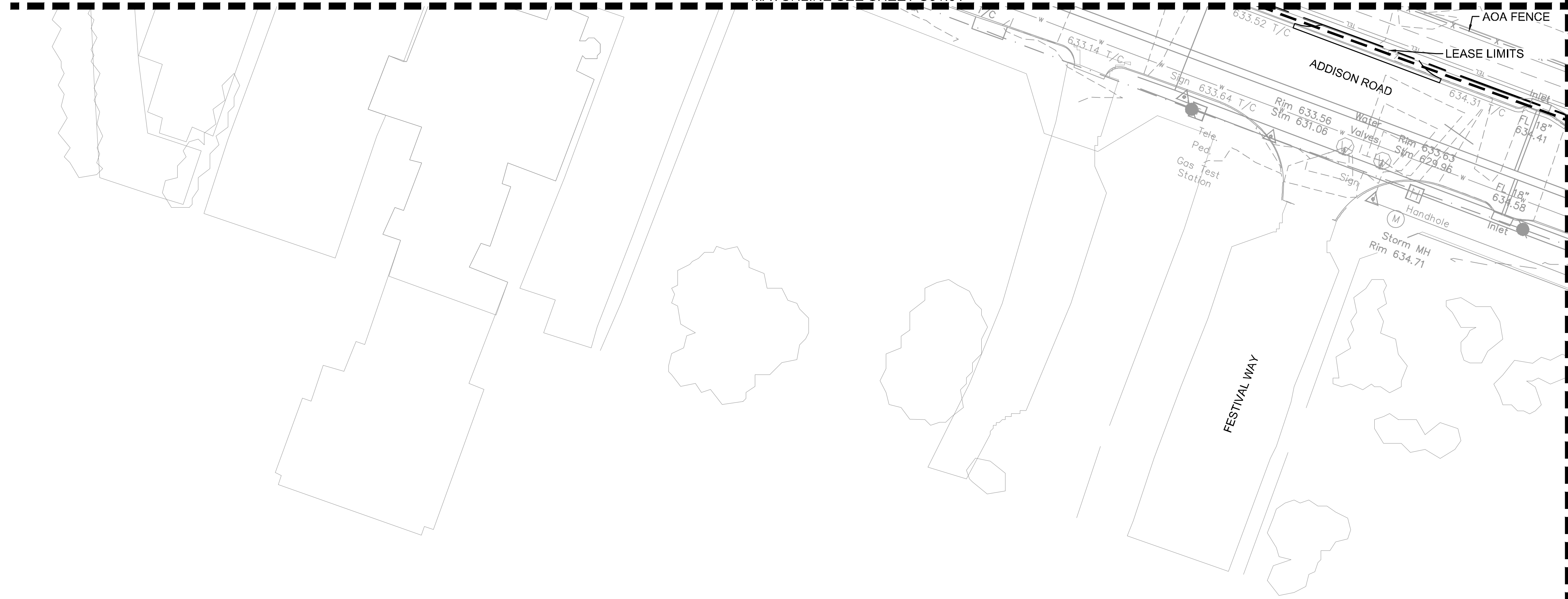
EXISTING CONDITIONS

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

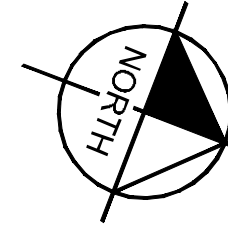
DALLAS, TEXAS

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MATCHLINE SEE SHEET C01.01

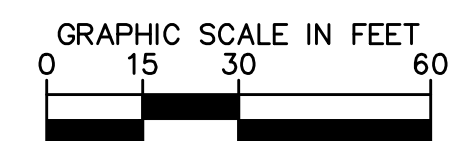


KEY PLAN



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

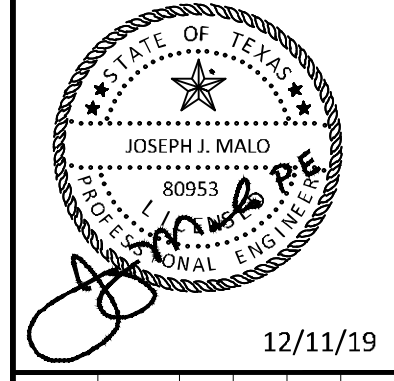


MATCHLINE SEE SHEET C01.05

ADDENDUM #1	DATE	BY
1	09/10/2019	JM
2	10/24/2019	JM
3	12/11/2019	JM

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

EXISTING CONDITIONS

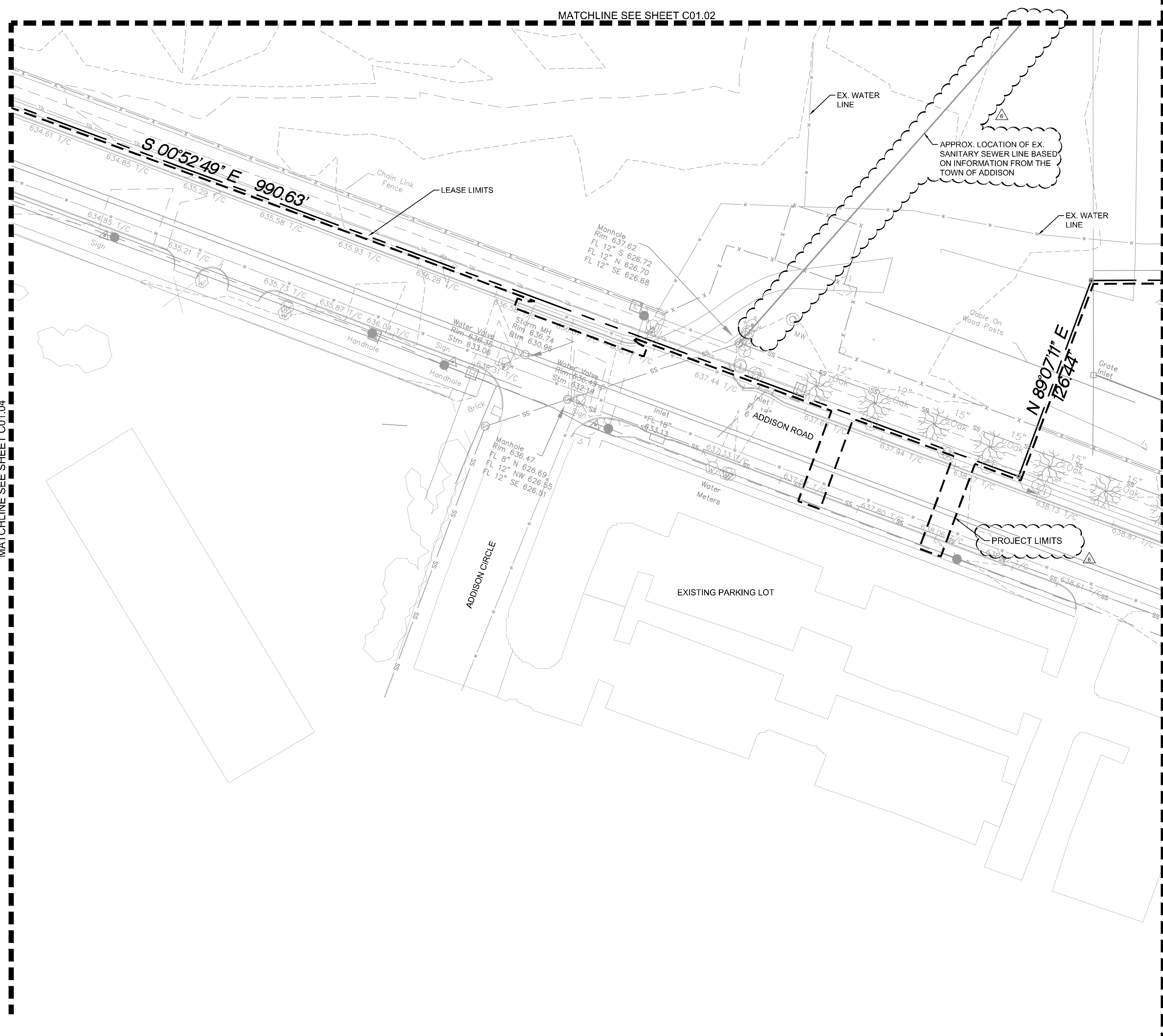
ADDISON GALAXY FBO
 15601 ADDISON RD.
 PREPARED FOR
 BLACK FOREST VENTURE

DALLAS, TEXAS

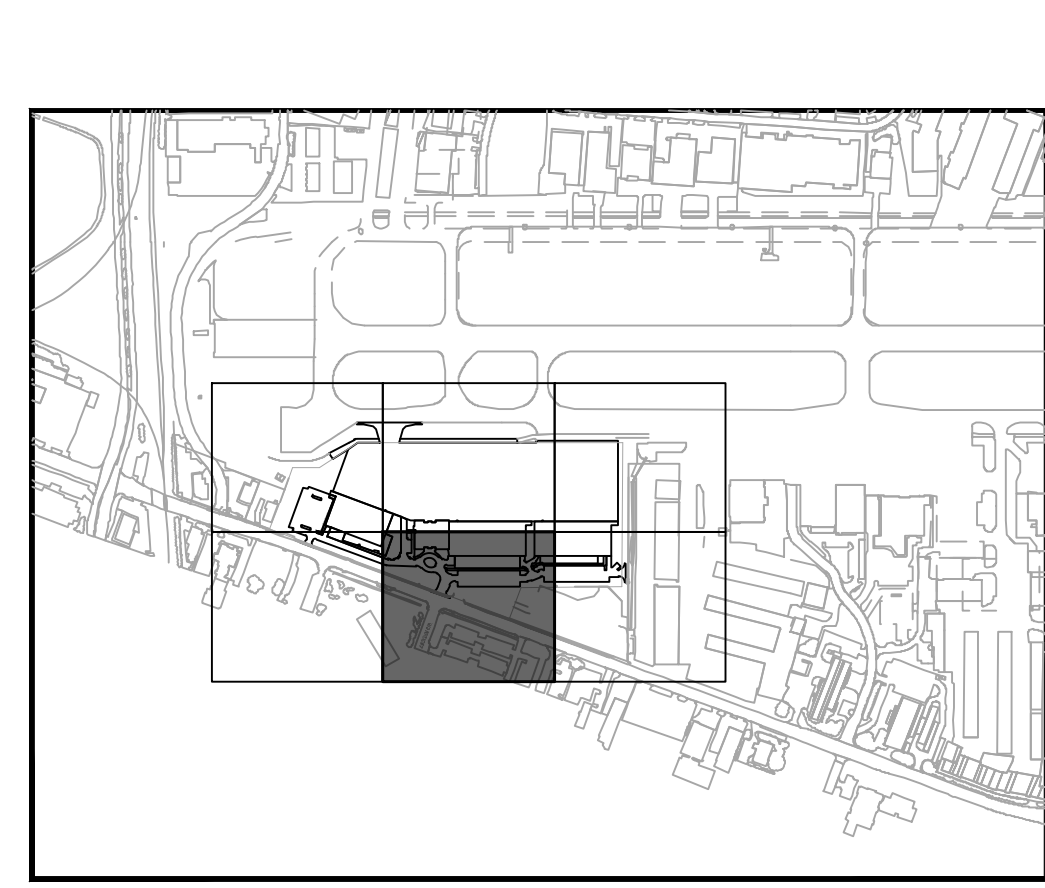
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C01.04

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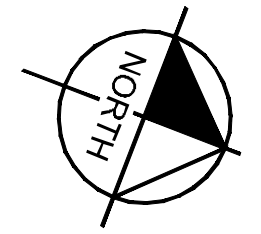
MATCHLINE SEE SHEET C01.04



MATCHLINE SEE SHEET C01.06

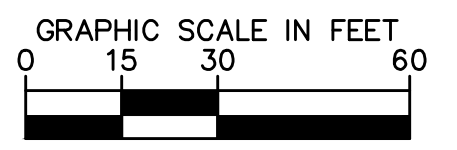


KEY PLAN



SYMBOL LEGEND

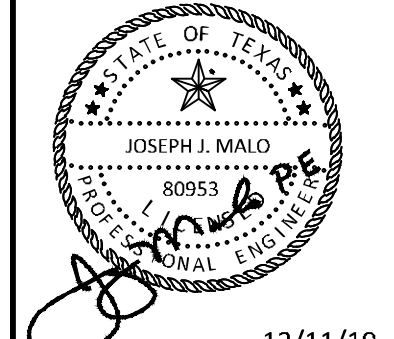
- ⊗ Power Pole
- ⊠ Light Pole
- ⊕ Water Meter
- ⊕ Water Valve
- ⊕ Gas Meter
- ⊕ Hydrant
- ⊕ Cleanout
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- ⊕ Electric Meter
- ⊕ Monitoring Well
- ⊕ Telephone Pedestal
- ⊕ Handhole
- ⊕ Irrig. Control Valve



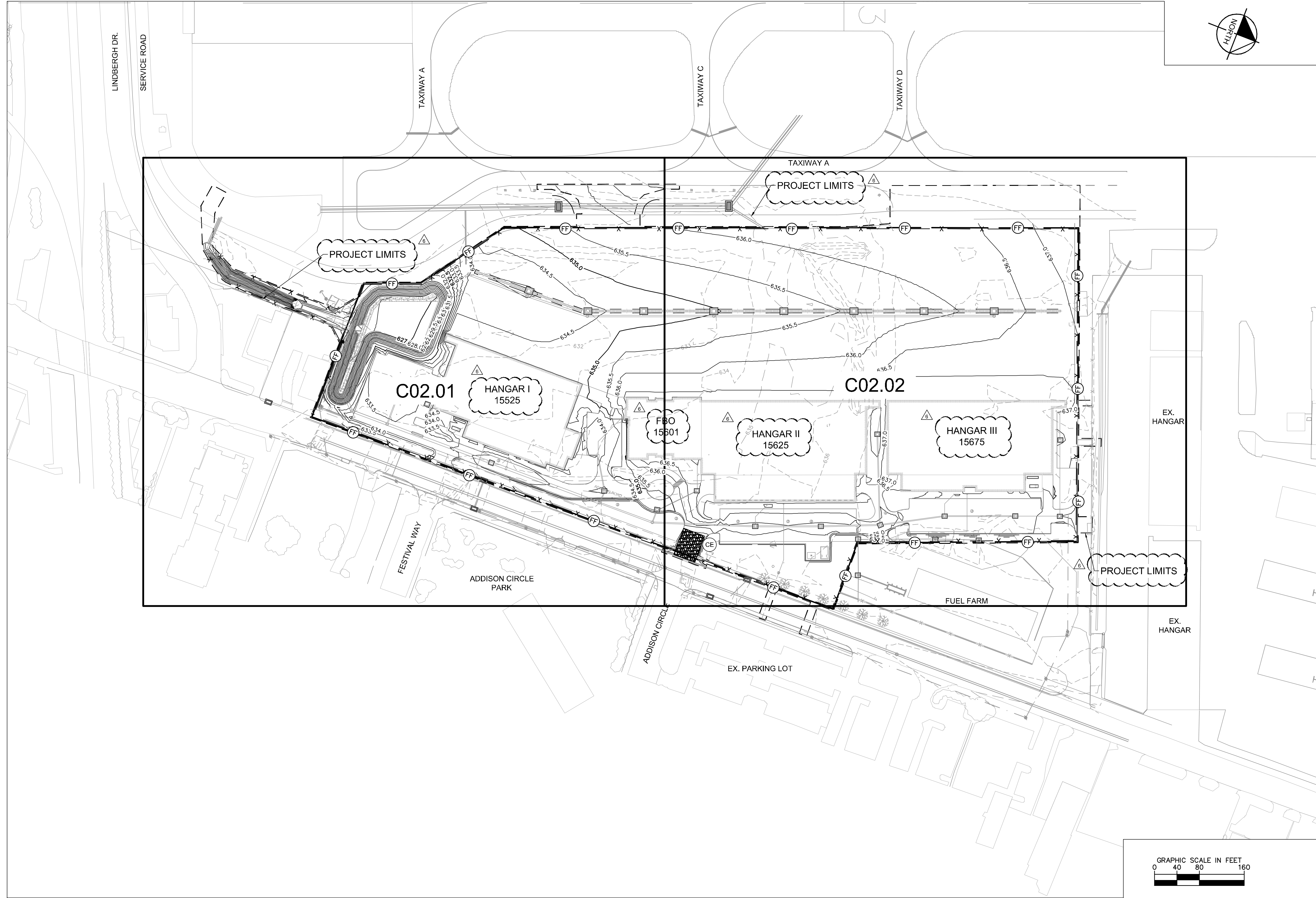
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SHEET NUMBER C01.05		ADDISON	
EXISTING CONDITIONS		12/11/19	
KHA PROJECT 067792503	DATE 12/11/2019	DESIGNED BY HCV	CHECKED BY HCV
SCALE AS SHOWN		DRAWN BY EC	EAC
ADDENDUM #1 09/10/2019 JM		ADDENDUM #2 10/24/2019 JM	ADDENDUM #3 12/11/2019 JM
ADDISON GALAXY FBO		15601 ADDISON RD.	
BLACK FOREST VENTURE		DALLAS, TEXAS	
ADDISON		DALLAS, TEXAS	
ADDISON GALAXY FBO		15601 ADDISON RD.	
BLACK FOREST VENTURE		DALLAS, TEXAS	
ADDISON		DALLAS, TEXAS	

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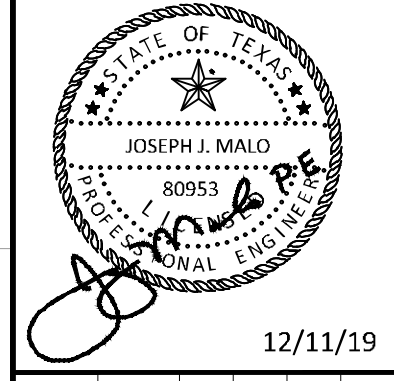


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ADDENDUM #1	JM
ADDENDUM #5	09/10/2019
ADDENDUM #6	10/24/2019
	12/11/2019
No.	REVISIONS
	DATE
	BY

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 FORT WORTH, TEXAS 76104
 PHONE: 281-475-2816
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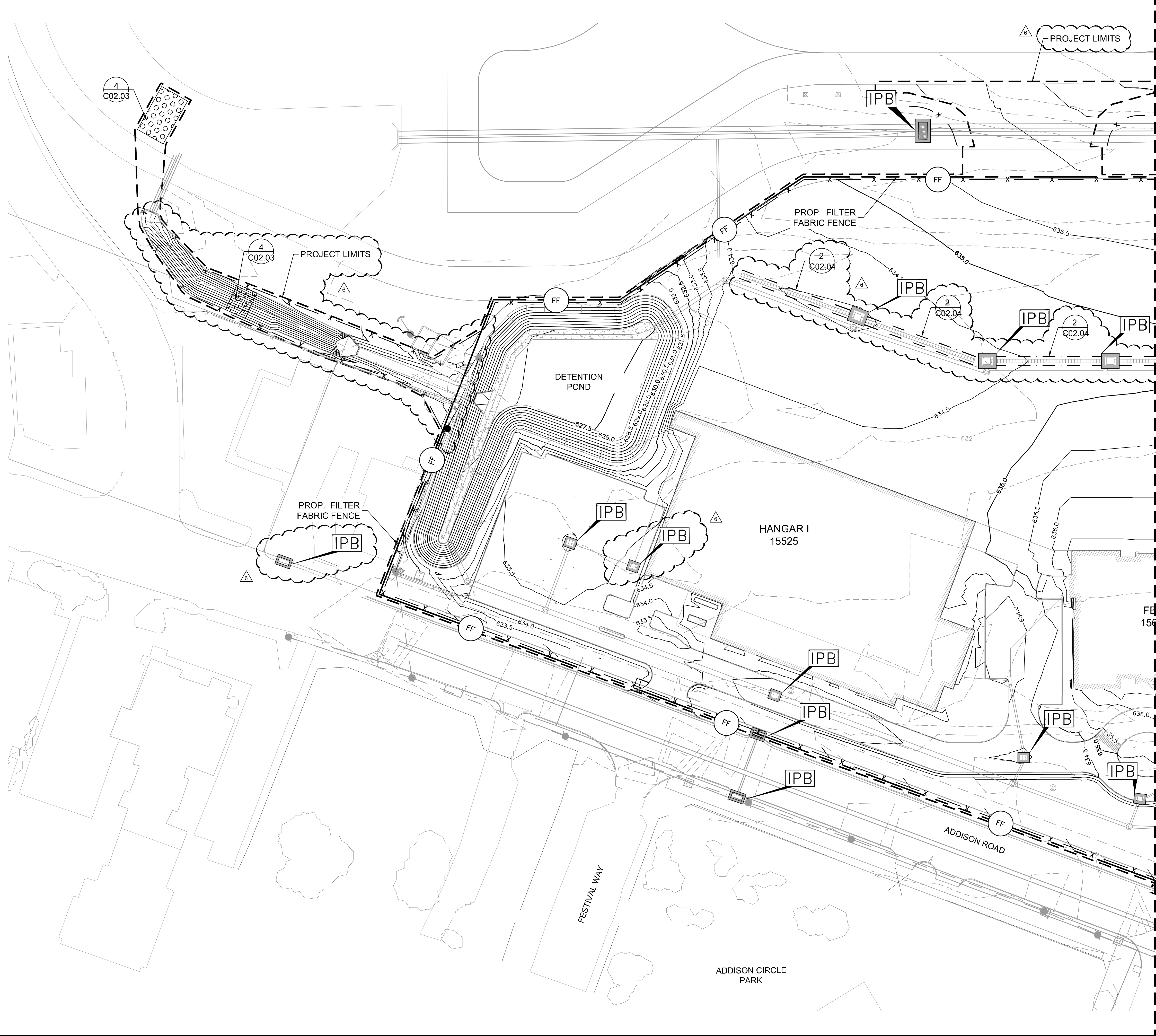
KHA PROJECT	067792503
DATE	12/11/2019
SCALE	AS SHOWN
DESIGNED BY	HCV
DRAWN BY	EC EAC
CHECKED BY	HCV

**EROSION CONTROL
 PLAN OVERALL**

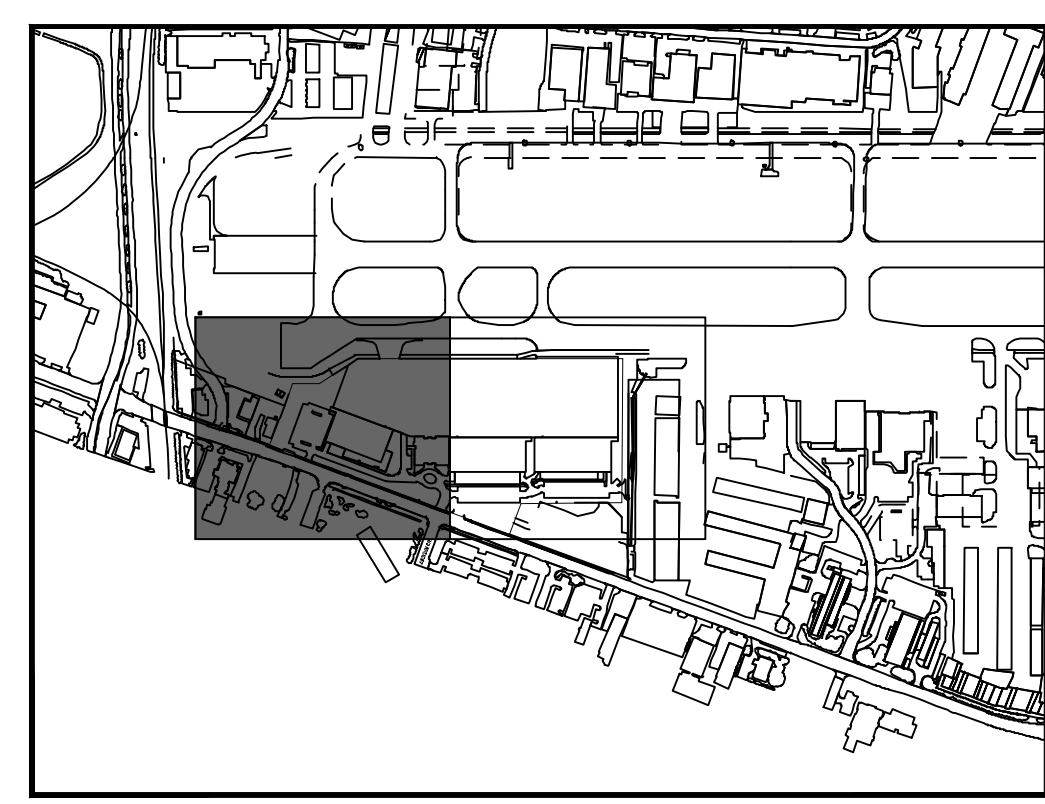
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 15601 ADDISON RD.
 PREPARED FOR
BLACK FOREST VENTURE
 DALLAS, TEXAS

SHEET NUMBER
C02.00

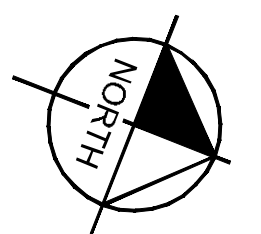
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MATCHLINE SEE SHEET C02.02

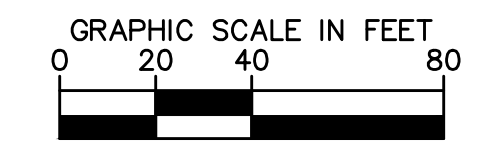


KEY PLAN



- NOTES:**
- 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.
 - LOCATION OF SILT FENCE & OTHER EROSION CONTROL MEASURES SHALL BE ADJUSTED AS NEEDED DURING CONSTRUCTION PHASING.
 - 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) [Pattern] TEMPORARY CONSTRUCTION ACCESS
 - [Pattern] ROCK CHECK DAM
 - [IPB] INLET PROTECTION BARRIER, SEE NOTE 3
 - [Clouded] TRENCH DRAIN INLET PROTECTION



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

Kimley-Horn

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 TBP# FIRM REGISTRATION F-928
 WWW.KIMLEY-HORN.COM

JOSEPH J. MULLA
 80953
 PROFESSIONAL ENGINEER
 STATE OF TEXAS

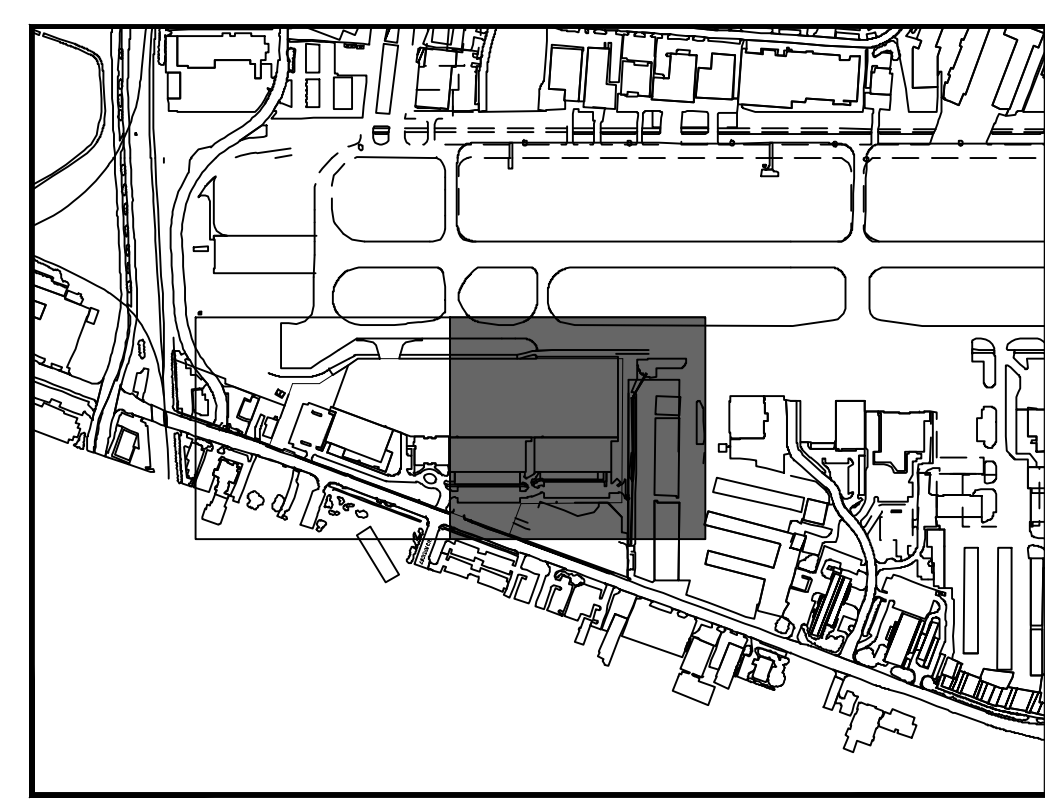
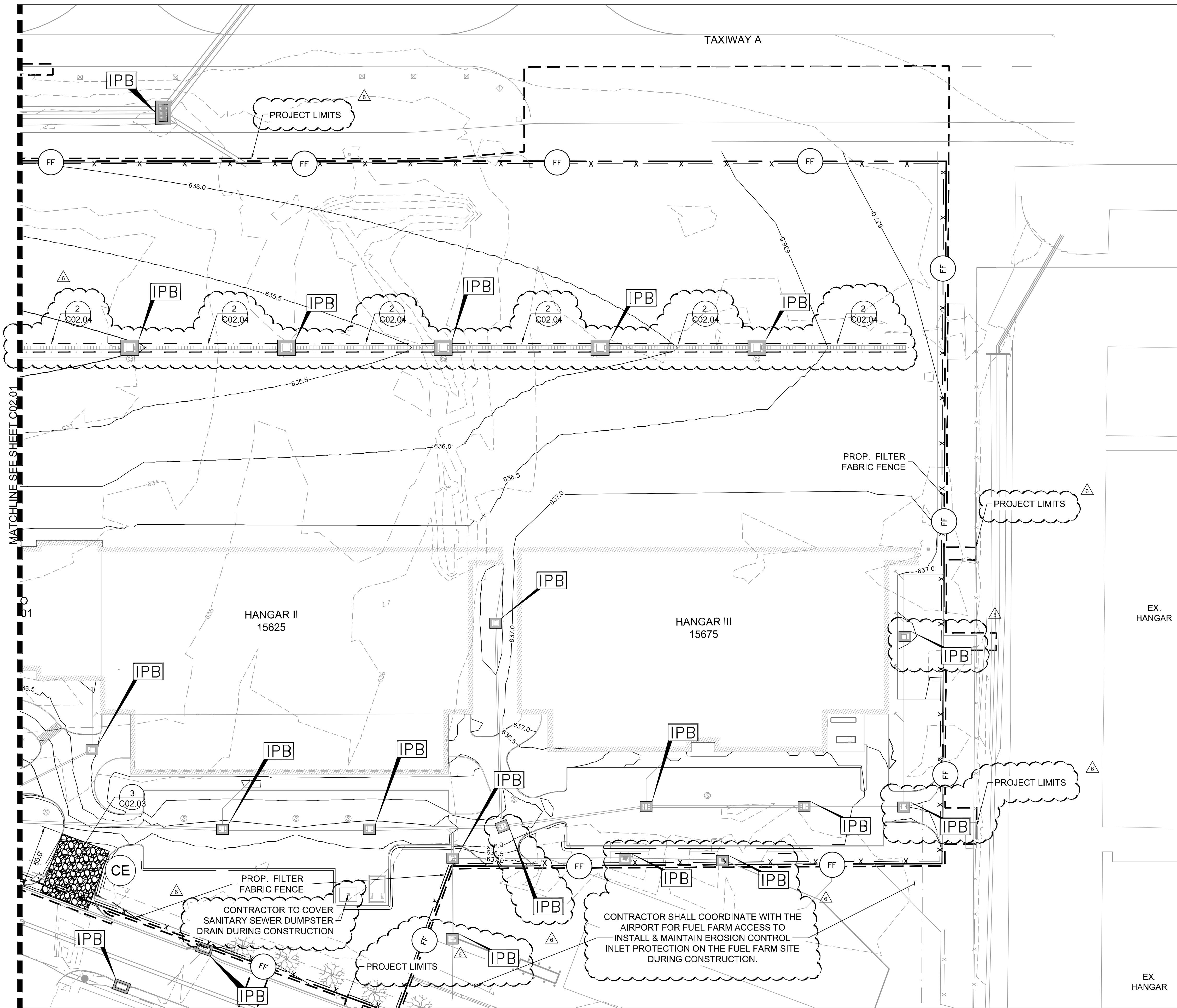
EROSION CONTROL PLAN

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

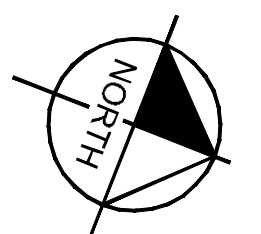
ADDISON DALLAS, TEXAS

SHEET NUMBER
C02.01

Plotted By: Laminar, Morgan. Street Set: kha. Layout: C02.02. December 12, 2019 05:43:25pm. K:\V01_Aviation\067792503 - Addison Galaxy FBO\ACAD.dwg. Sheets: C02.00. EROSION CONTROL PLAN.dwg
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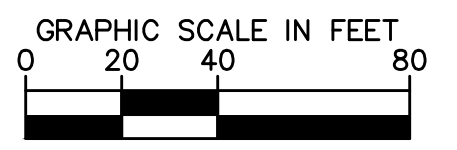
KEY PLAN



- NOTES:**
- 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.
 - LOCATION OF SILT FENCE & OTHER EROSION CONTROL MEASURES SHALL BE ADJUSTED AS NEEDED DURING CONSTRUCTION PHASING.
 - 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.

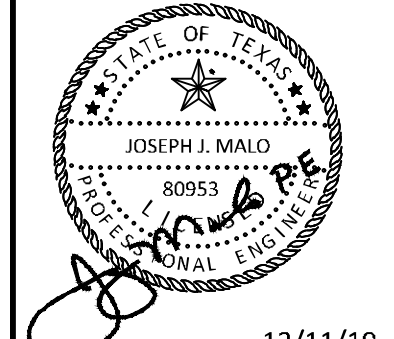
LEGEND

	PROP. CONTOUR ELEVATIONS
	EX. CONTOUR ELEVATIONS
X (FF) X	FILTER FABRIC/ SILT FENCE
(CE) [hatched box]	TEMPORARY CONSTRUCTION ACCESS
[stippled box]	ROCK CHECK DAM
[IPB symbol]	INLET PROTECTION BARRIER, SEE NOTE 3
[cloud symbol]	TRENCH DRAIN INLET PROTECTION



ADDENDUM #	DATE	BY
ADDENDUM #1	09/10/2019	JM
ADDENDUM #5	10/24/2019	JM
ADDENDUM #6	12/11/2019	JM

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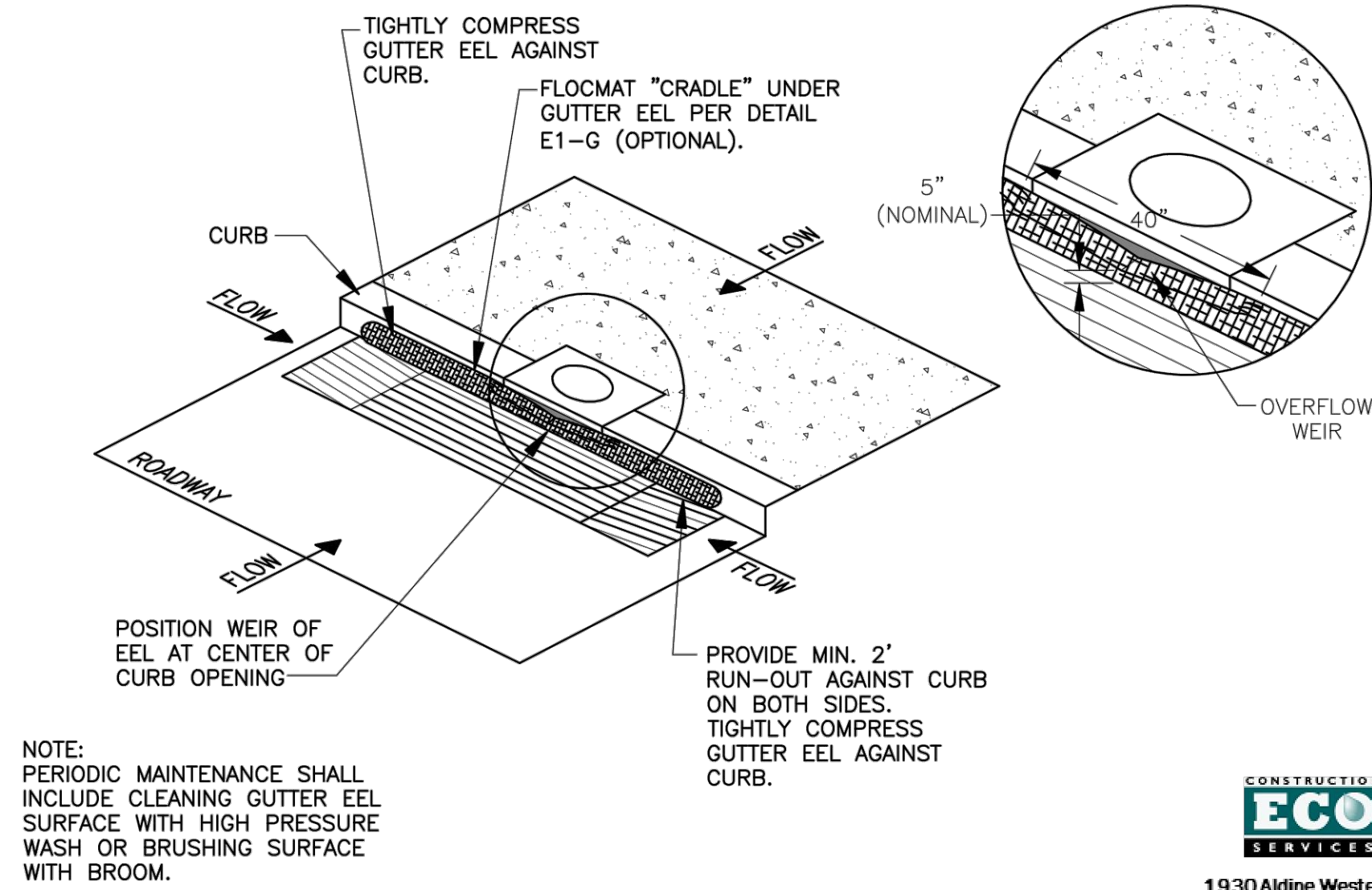
KHA PROJECT	067792503
DATE	12/11/2019
SCALE	AS SHOWN
DESIGNED BY	HCV
DRAWN BY	EC EAC
CHECKED BY	HCV

EROSION CONTROL PLAN

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

SHEET NUMBER
C02.02

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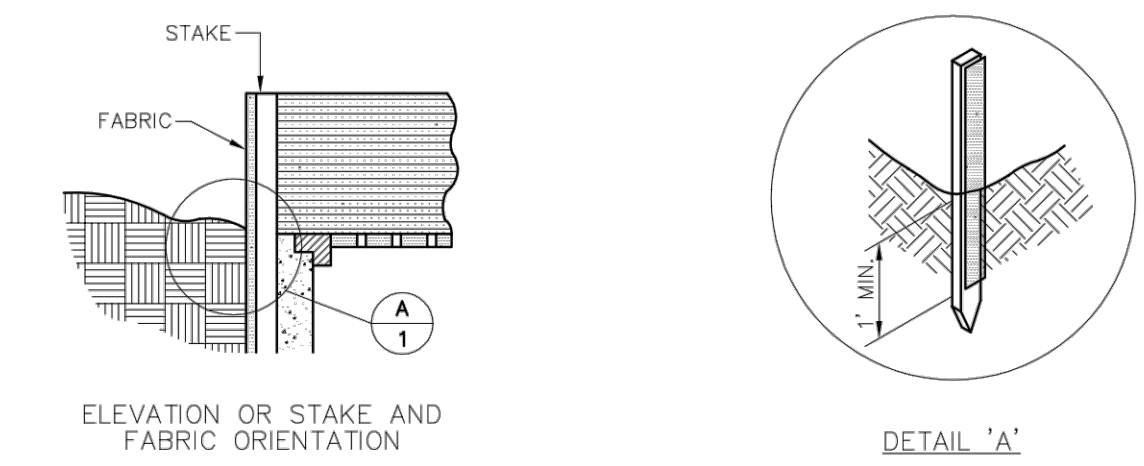
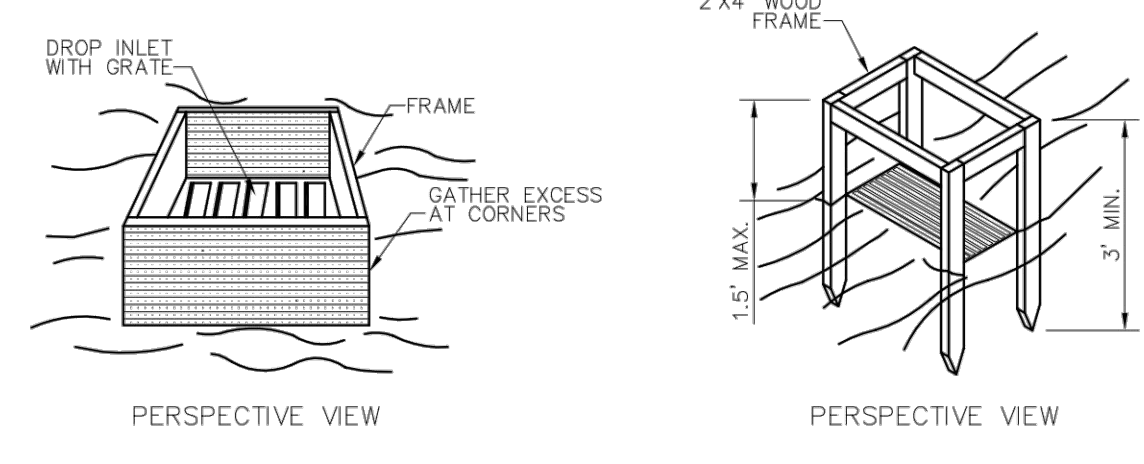


ISOMETRIC DETAIL E3-C: SMALL CURB INLET SEDIMENT TRAP - GUTTER EEL N.T.S.



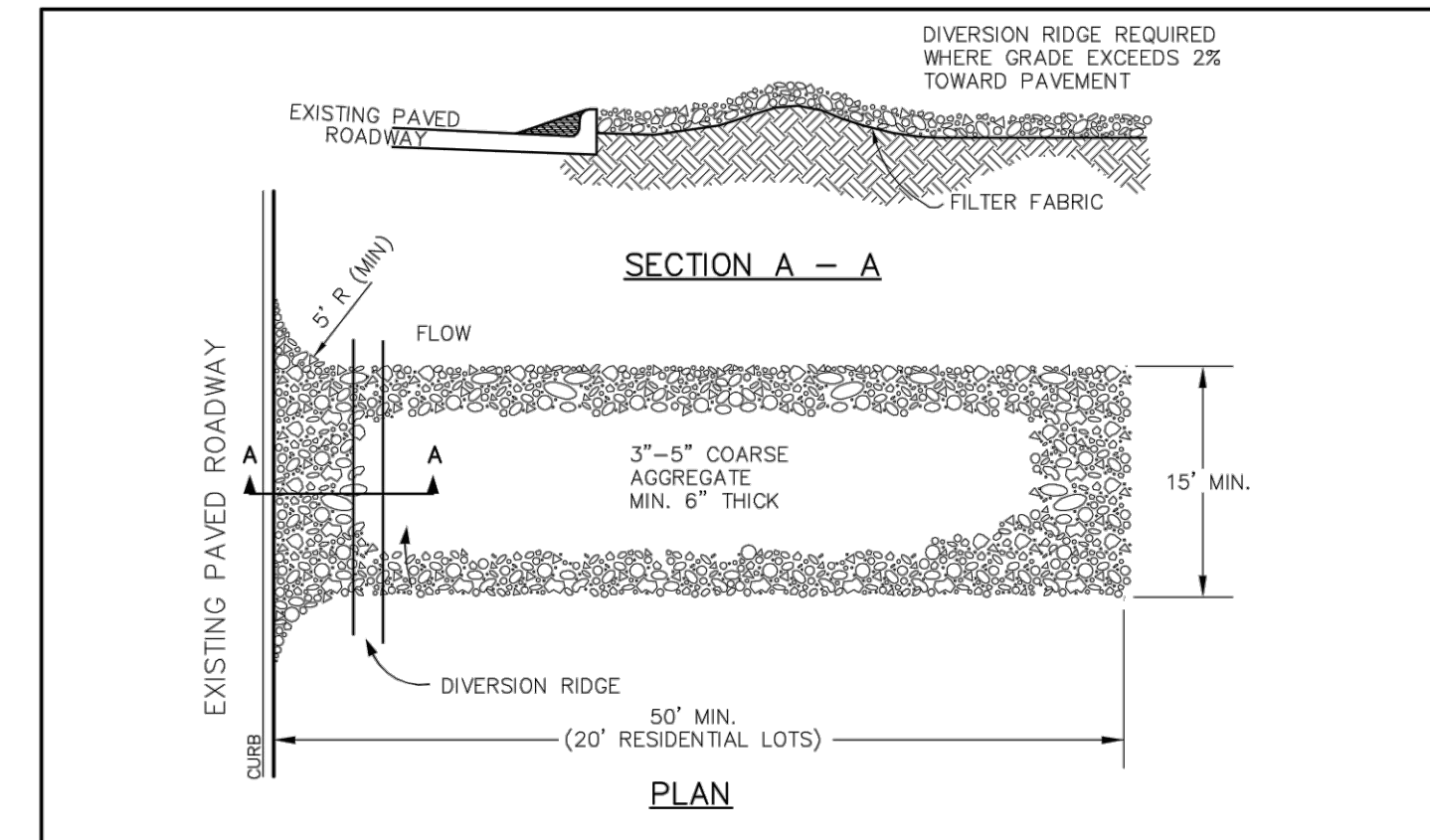
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832.456.1000
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	PUBLIC WORKS DEPARTMENT	ROCK CHECK DAM	STANDARD CONSTRUCTION DETAILS EROSION CONTROL		
			DATE: AUGUST, 2010	REV DATE: -	SHEET: SD-EC05



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. THIS 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



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

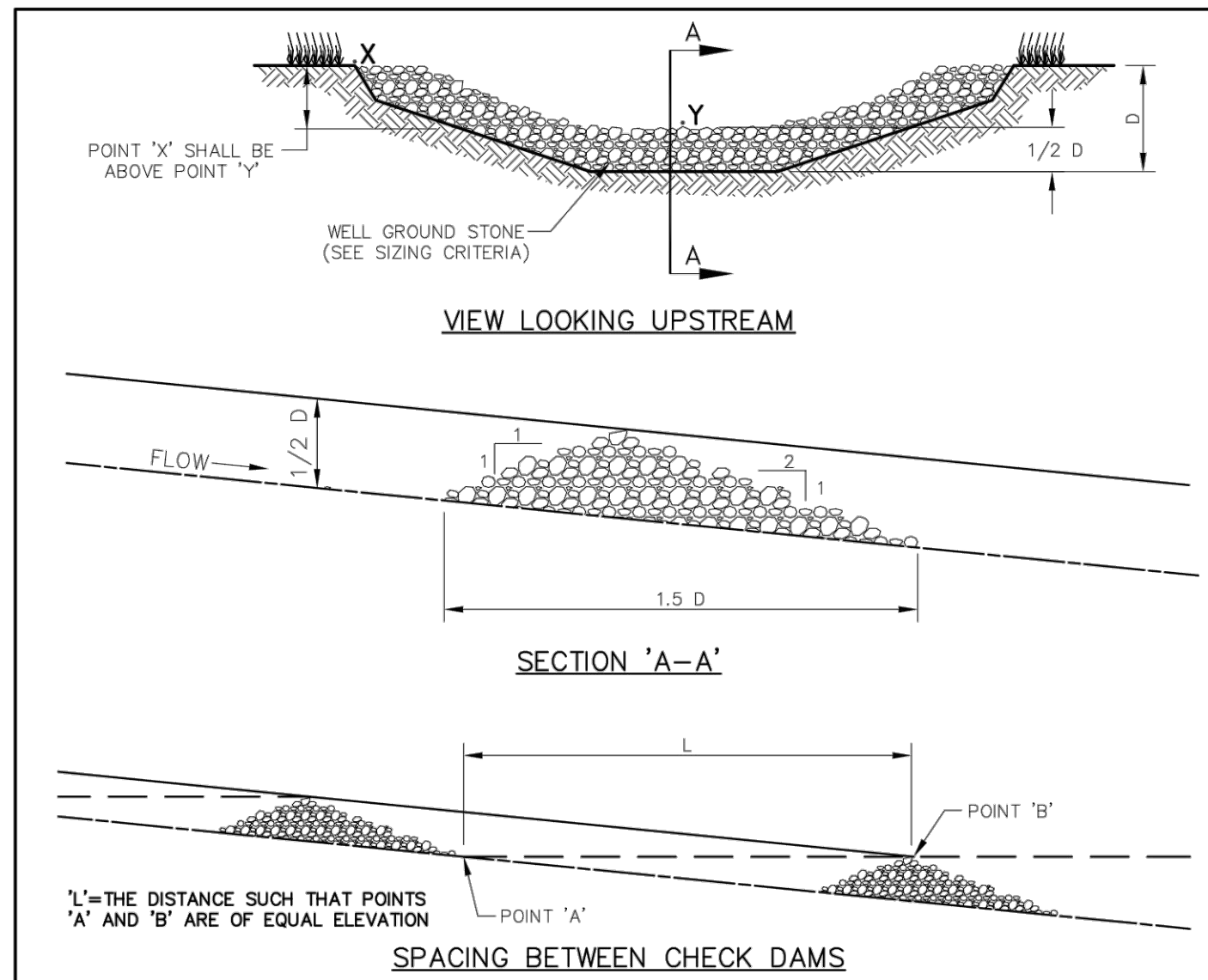
STABILIZED CONSTRUCTION ENTRANCE GENERAL NOTES:

- 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.
- 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.
- THE ENTRANCE MUST BE PROPERLY GRADED OR INCORPORATE A DRAINAGE SWALE TO PREVENT RUNOFF FROM LEAVING THE CONSTRUCTION SITE.
- WHEN SEDIMENT HAS SUBSTANTIALLY CLOGGED THE VOID AREA BETWEEN THE ROCKS, THE AGGREGATE MAT MUST BE WASHED DOWN OR REPLACED. PERIODIC RE-GRAVING AND TOP DRESSING WITH ADDITIONAL STONE MUST BE DONE TO KEEP THE EFFICIENCY OF THE ENTRANCE FROM DIMINISHING.

TRANSITION

STANDARD CONSTRUCTION DETAILS
EROSION CONTROL

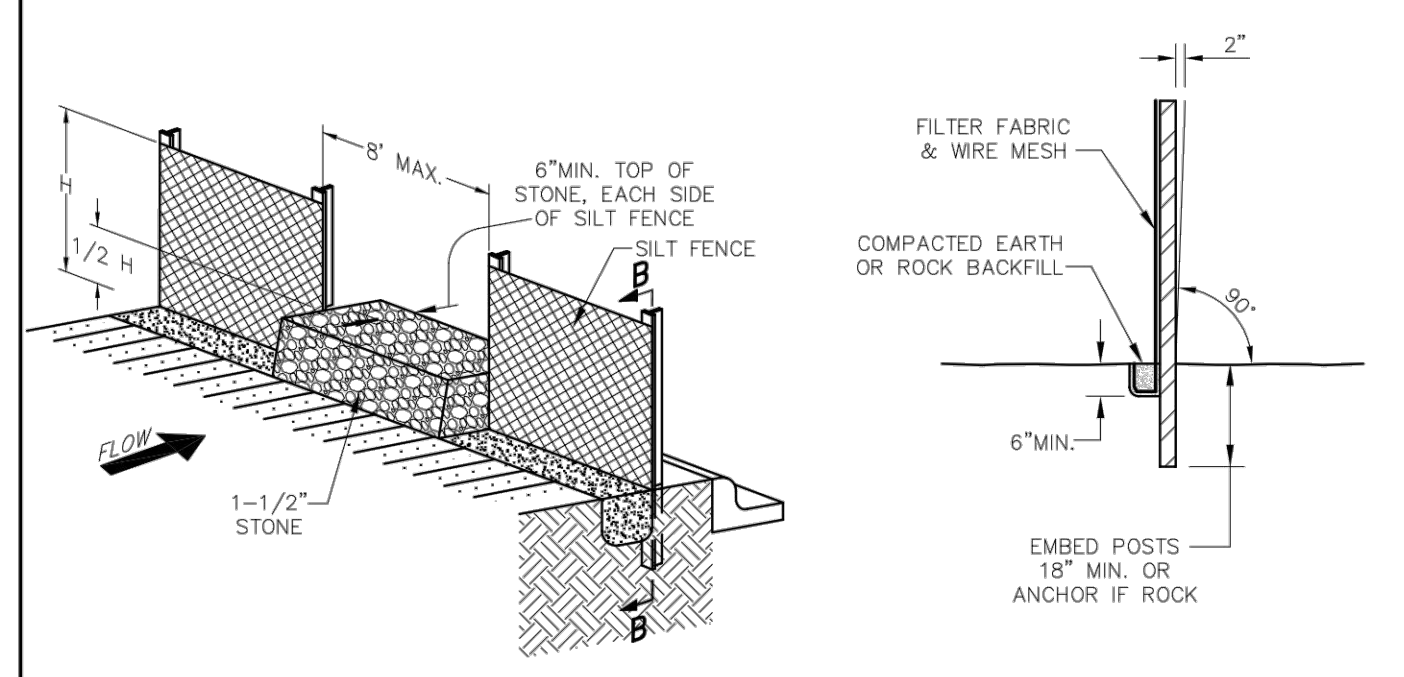
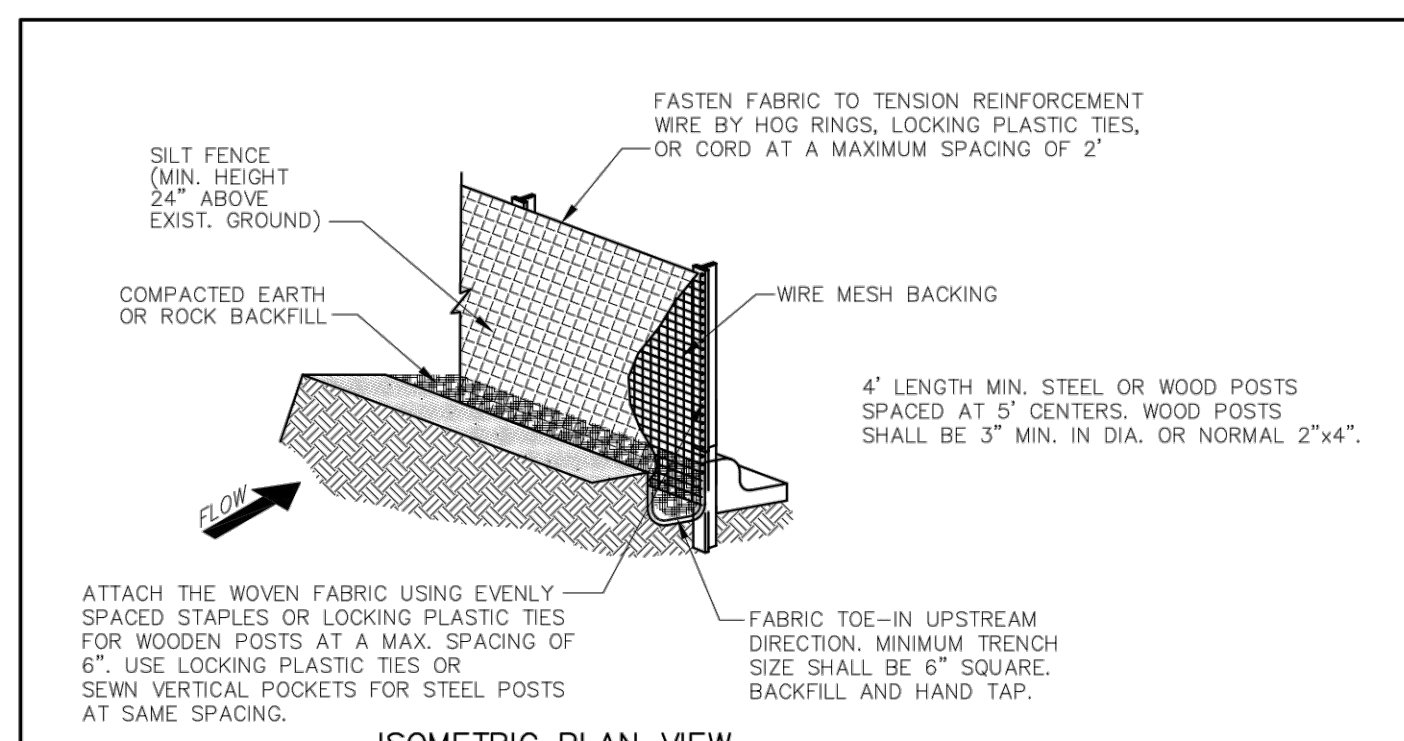
DATE: AUGUST, 2010	REV DATE: -	SHEET: SD-EC03
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ROCK CHECK DAM NOTES:

- STONE SHALL BE WELL-GRADED STONE WITH SIZE RANGE FROM 1-1/2 TO 3-1/2 INCHES IN DIAMETER DEPENDING ON EXPECTED FLOWS.
- 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.
- 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.
- 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



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

EROSION CONTROL PLAN NOTES

- 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.
- THE NOTICE OF INTENT (NOI), AS REQUIRED BY THE GENERAL PERMIT, MUST BE PROPERLY DISPLAYED ON SITE AT ALL TIMES BY EACH OPERATOR.
- ALL RELEASES OF THE REPORTABLE QUANTITIES OF HAZARDOUS SUBSTANCES SHALL BE REPORTED IMMEDIATELY TO THE FACILITY OPERATOR, EPA AND TCEQ.
- 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.
- MODIFICATIONS TO THE STORM WATER POLLUTION PREVENTION PLAN SHALL BE IMPLEMENTED AND BE IN-PLACE WITHIN A SEVEN CALENDAR DAY PERIOD.
- 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.
- EROSION CONTROL SHALL BE INSTALLED PRIOR TO GRADING.
- ACCUMULATED SILT DEPOSITS SHALL BE REMOVED FROM SILT FENCES AND HAY BALE DIKES WHEN SILT DEPTH REACHES THREE INCHES OR 25%.
- THE CONTRACTOR SHALL ADD OR DELETE EROSION PROTECTION AT THE REQUEST AND DIRECTION OF THE OPERATOR OR TOWN.
- AFTER INSTALLATION OF PAVEMENT, FINAL LOT BENCHING AND GENERAL CLEANUP, THE CONTRACTOR SHALL ESTABLISH GRASS GROUND COVER 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.
- 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.
- A DRAINAGE AREA MAP WILL BE INCLUDED WITH THE EROSION CONTROL PLAN.
- 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.
- ALL HAZARDOUS MATERIALS SHALL BE HANDLED AND DISPOSED OF BY THE CONTRACTOR IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

SILT FENCE NOTES

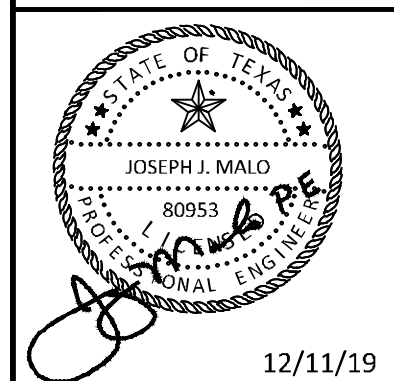
- POSTS WHICH SUPPORT THE SILT FENCE SHALL BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. THE POST MUST BE EMBEDDED A MINIMUM OF 18 INCHES.
- THE TOE OF THE SILT FENCE SHALL BE TRENCHED IN WITH A SPADE OR MECHANICAL TRENCHER SO THAT THE DOWNSLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW. WHERE FENCE CANNOT BE TRENCHED (E.G. PAVEMENT), WEIGHT FABRIC FLAP WITH WASHED GRAVEL ON THE UPHILL SIDE TO PREVENT FLOW UNDER FENCE.
- THE TRENCH MUST BE A MINIMUM OF 6 INCHES DEEP AND 6 INCHES WIDE TO ALLOW FOR THE SILT FENCE FABRIC TO BE LAID IN THE GROUND AND BACKFILLED WITH COMPACTED MATERIAL.
- 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.
- INSPECTION SHALL BE MADE EVERY TWO WEEKS OR AFTER EACH RAINFALL. REPAIR OR REPLACEMENT SHALL BE PROMPTLY AS NEEDED.
- SILT FENCE SHALL BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.
- 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

ADDITIONAL #1	ADDITIONAL #5	ADDITIONAL #6	NO.	REVISIONS	DATE	BY

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067792503	12/11/2019	AS SHOWN	HCV	EAC	HCV

EROSION CONTROL DETAILS

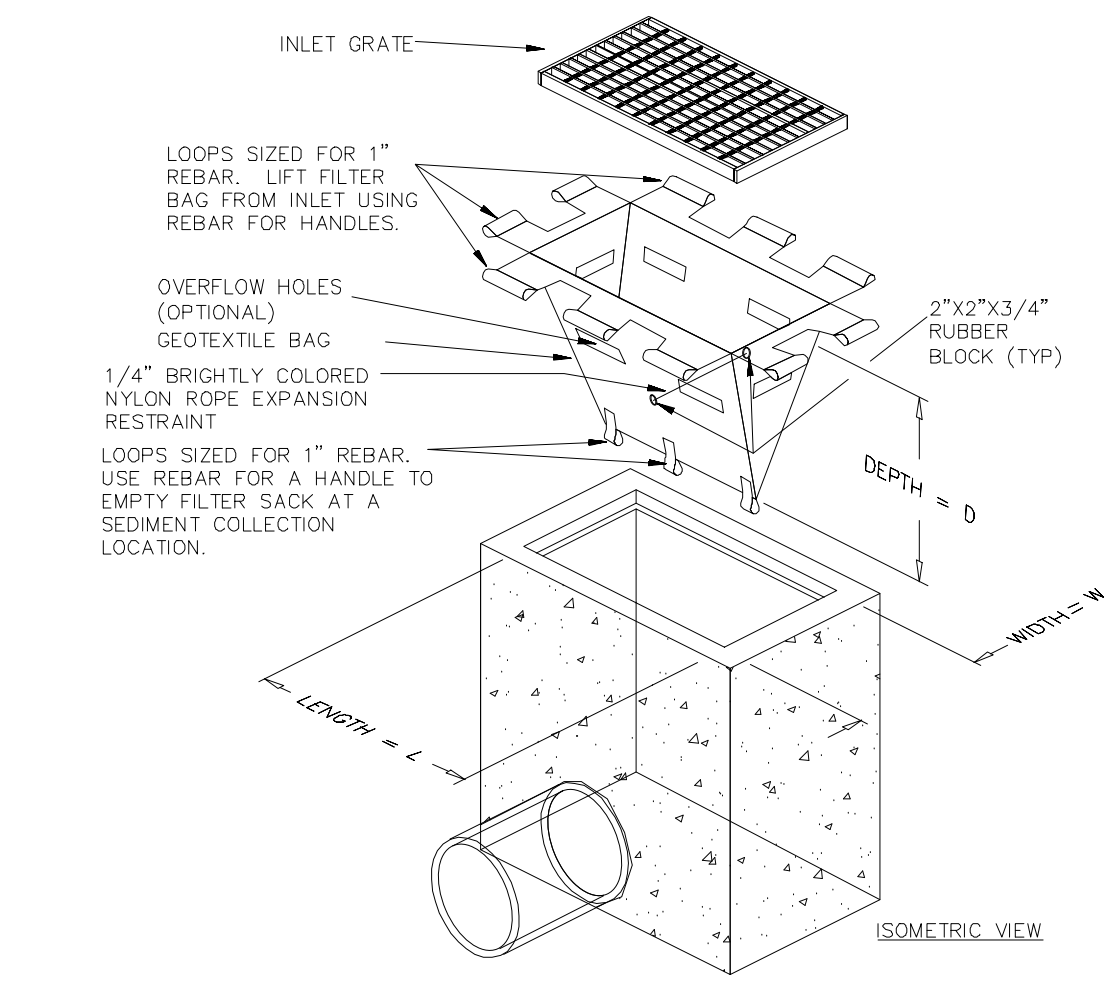
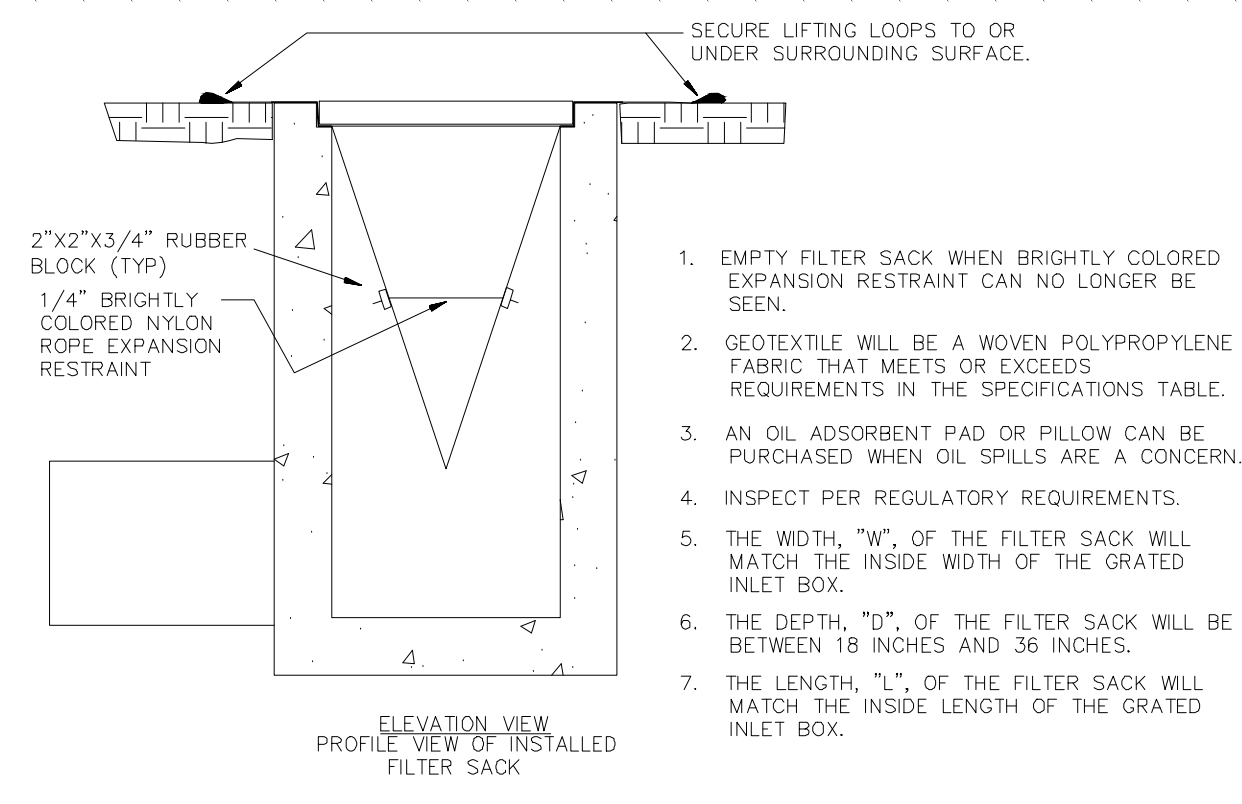
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15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE

DALLAS, TEXAS

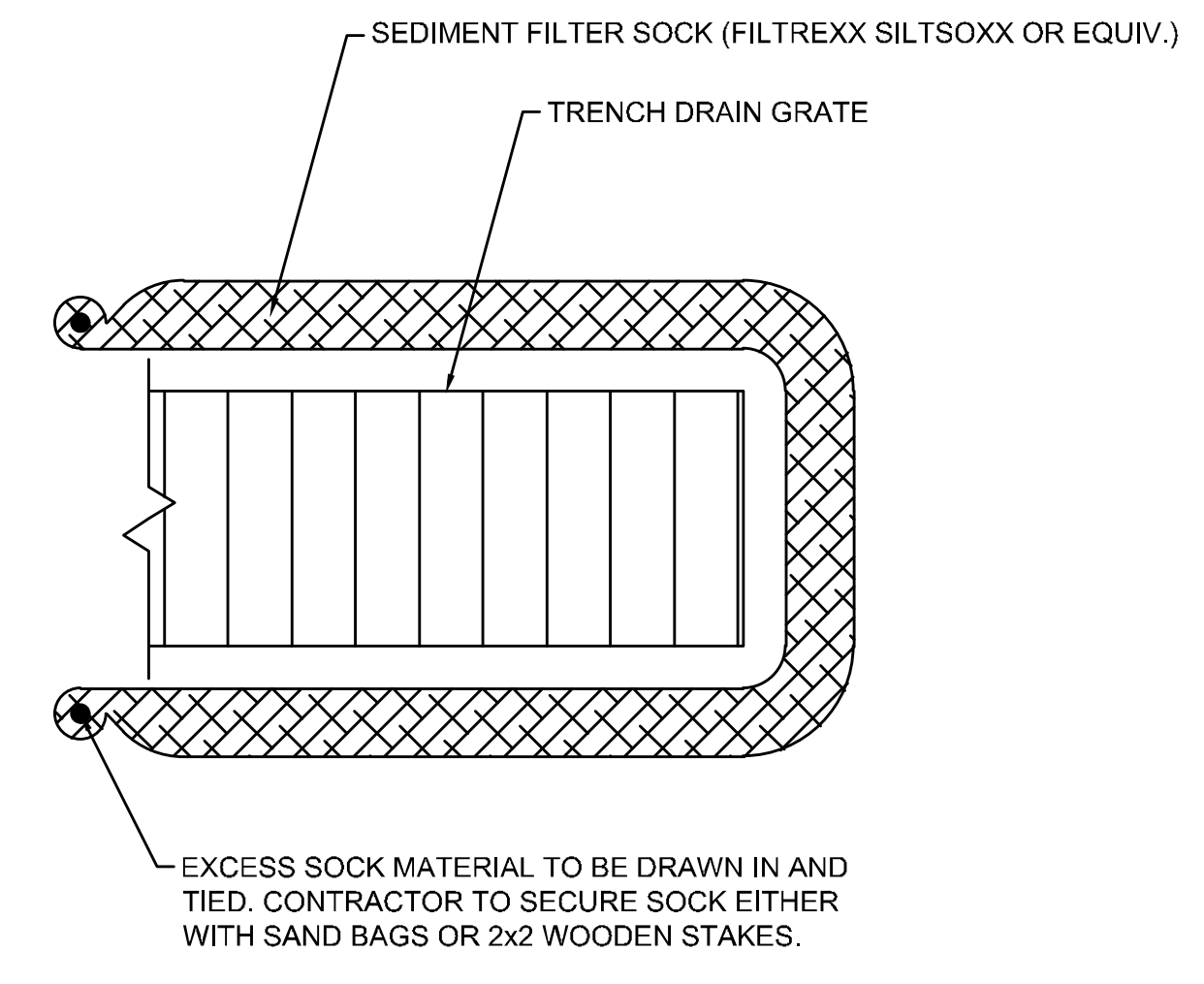
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(P5) **FILTER SACK INLET SEDIMENT DEVICE**
 N.T.S.
 DO NOT USE ON ROADWAYS WHERE PONDING MAY CAUSE TRAFFIC HAZARDS.



TRENCH DRAIN PROTECTION - SEDIMENT FILTER SOCK

4

5

6

1

2

3

ADDENDUM #1	ADDENDUM #5	ADDENDUM #6
1	2	3

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12/11/19

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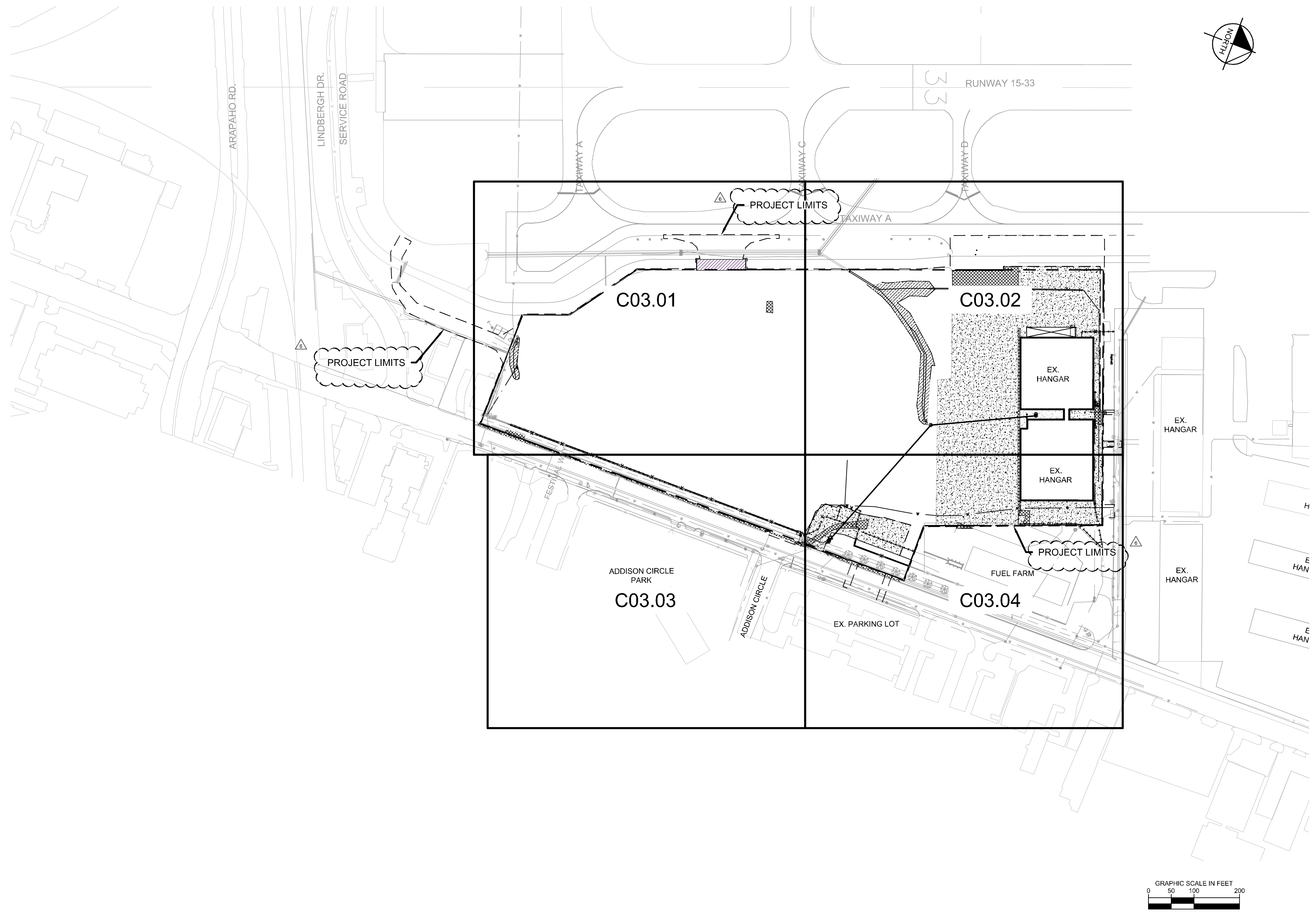
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ADDISON GALAXY FBO
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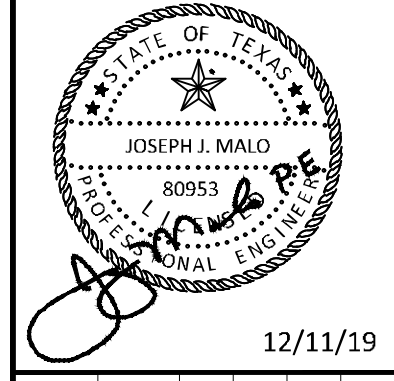
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ADDENDUM #6	10/24/2019
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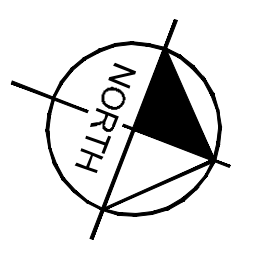
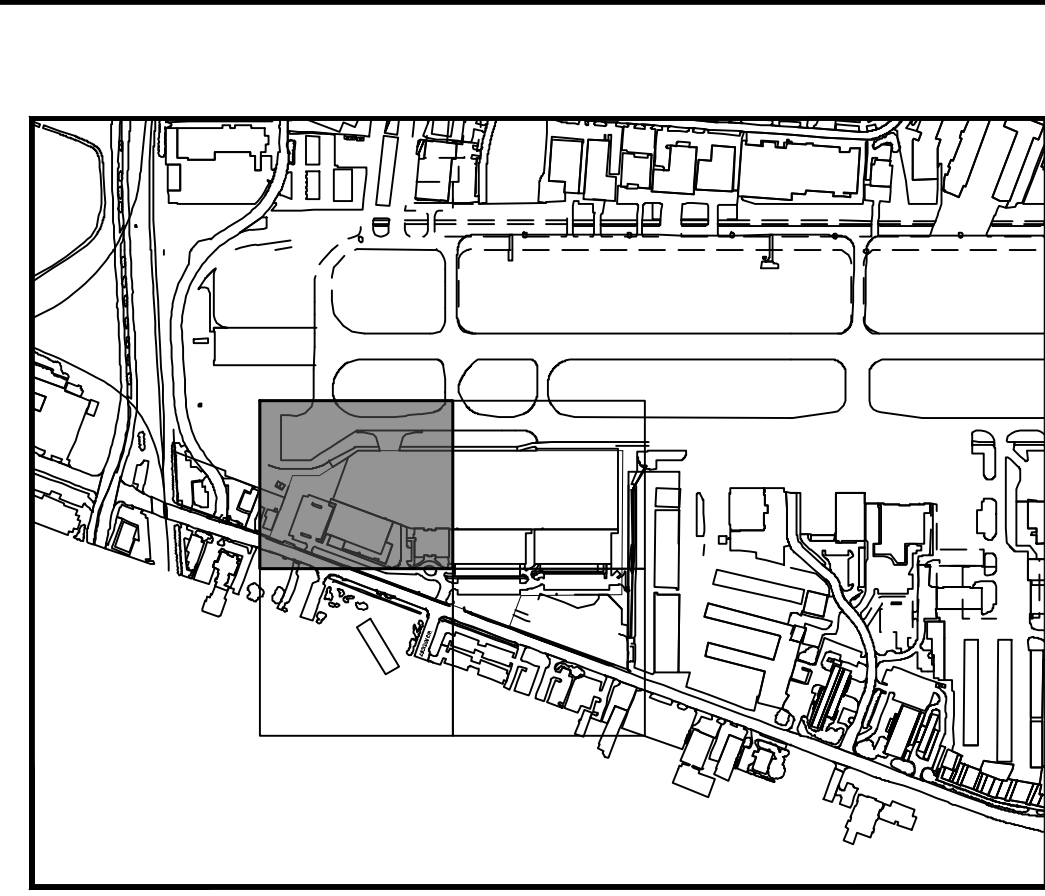
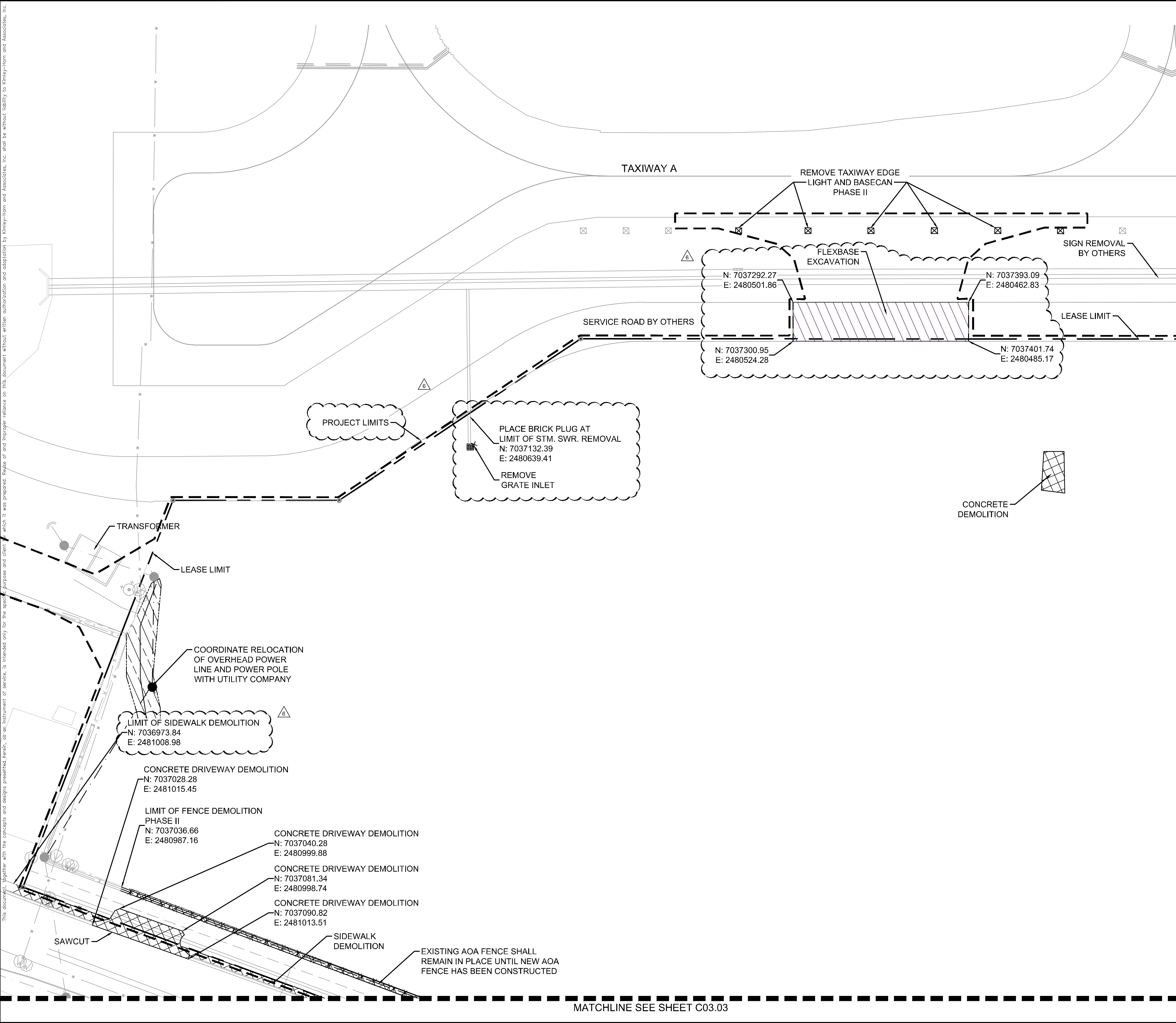
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**DEMOLITION PLAN
 KEY MAP**

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

SHEET NUMBER
C03.00

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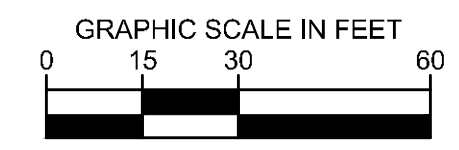
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NOTES

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

LEGEND

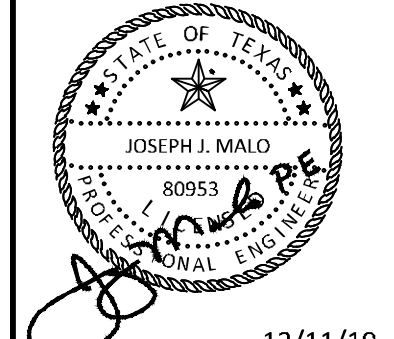
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- CONCRETE PAVEMENT DEMOLITION
- DRAINAGE DITCH TO BE FILLED IN
- BUILDING AND FOUNDATION DEMOLITION
- LEASE LINE
- WATER LINE DEMOLITION
- FENCE DEMOLITION
- SANITARY SEWER DEMOLITION
- TAXIWAY EDGE LIGHT DEMOLITION



ADDENDUM #1	ADDENDUM #5	ADDENDUM #6	No.	REVISIONS	DATE	BY
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DEMOLITION PLAN

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 15601 ADDISON RD.
 PREPARED FOR
BLACK FOREST VENTURE

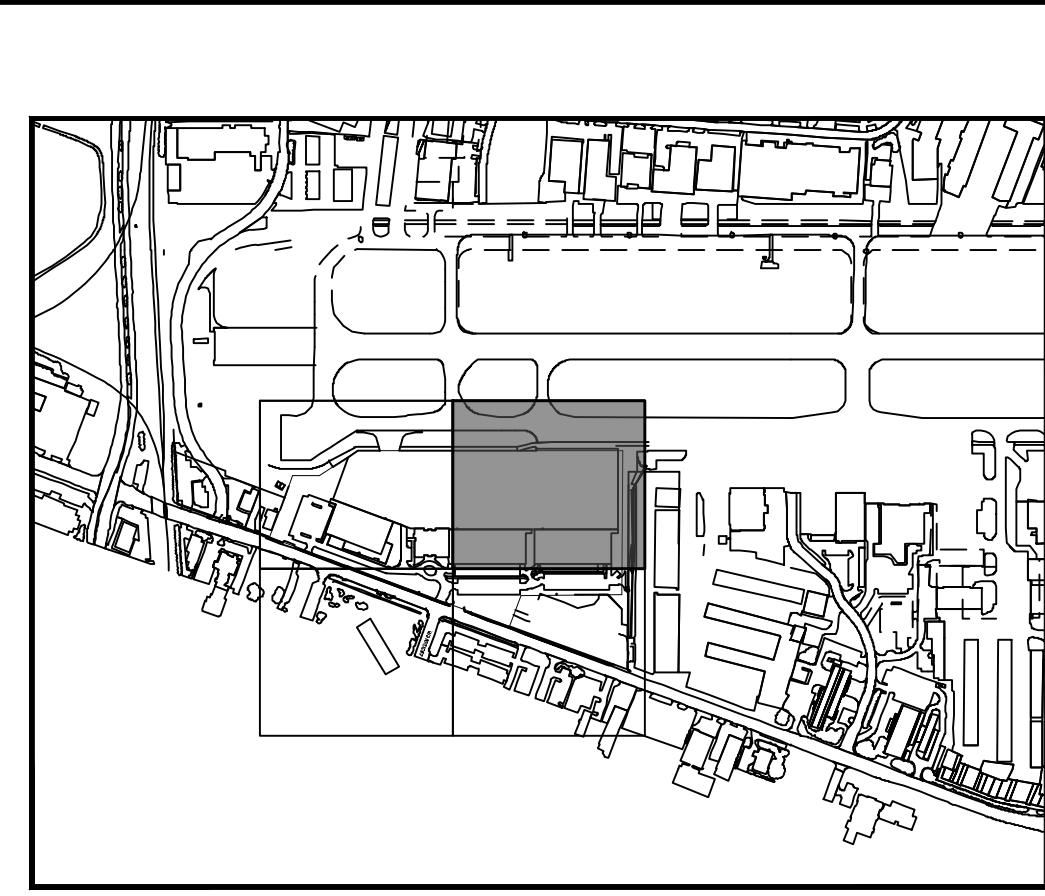
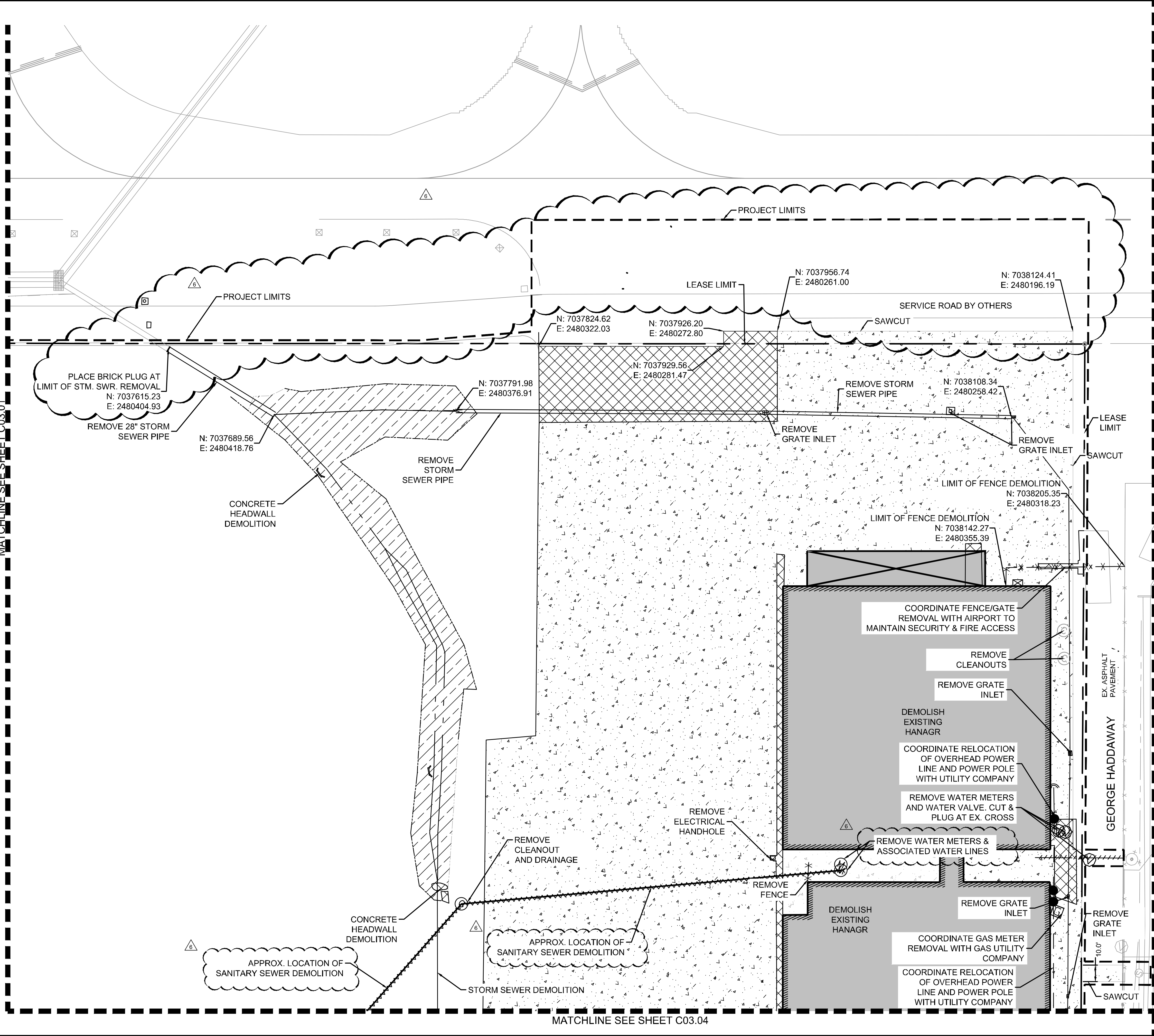
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ADDISON

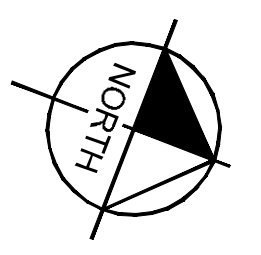
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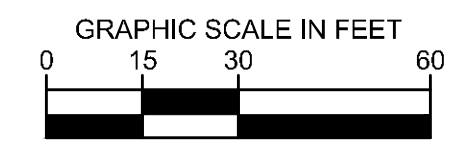
KEY PLAN



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

LEGEND

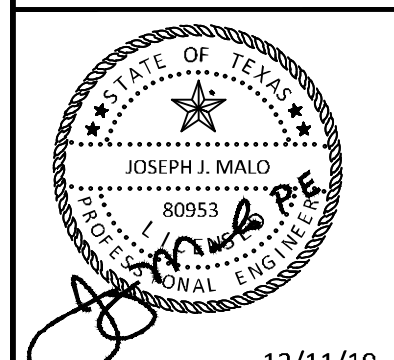
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- CONCRETE PAVEMENT DEMOLITION
- DRAINAGE DITCH TO BE FILLED IN
- BUILDING AND FOUNDATION DEMOLITION
- LEASE LINE
- WATER LINE DEMOLITION
- FENCE DEMOLITION
- SANITARY SEWER DEMOLITION
- TAXIWAY EDGE LIGHT DEMOLITION



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2	2	2			10/24/2019	JM
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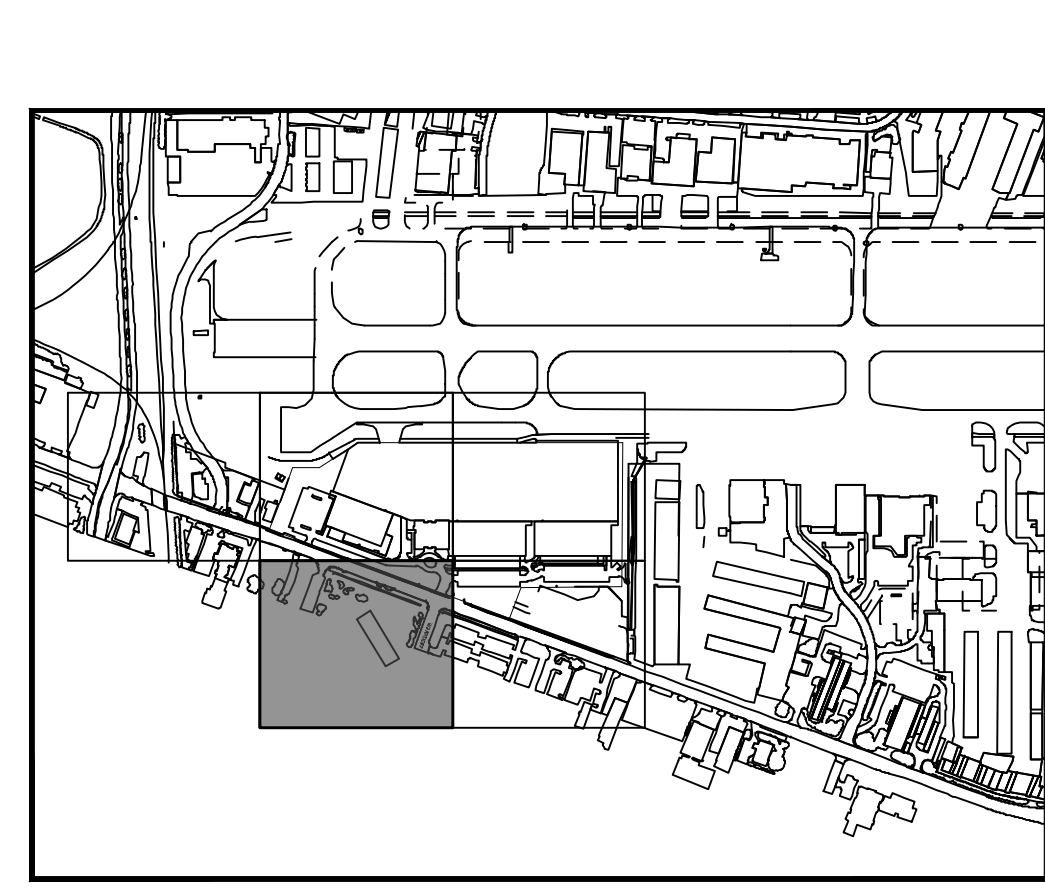
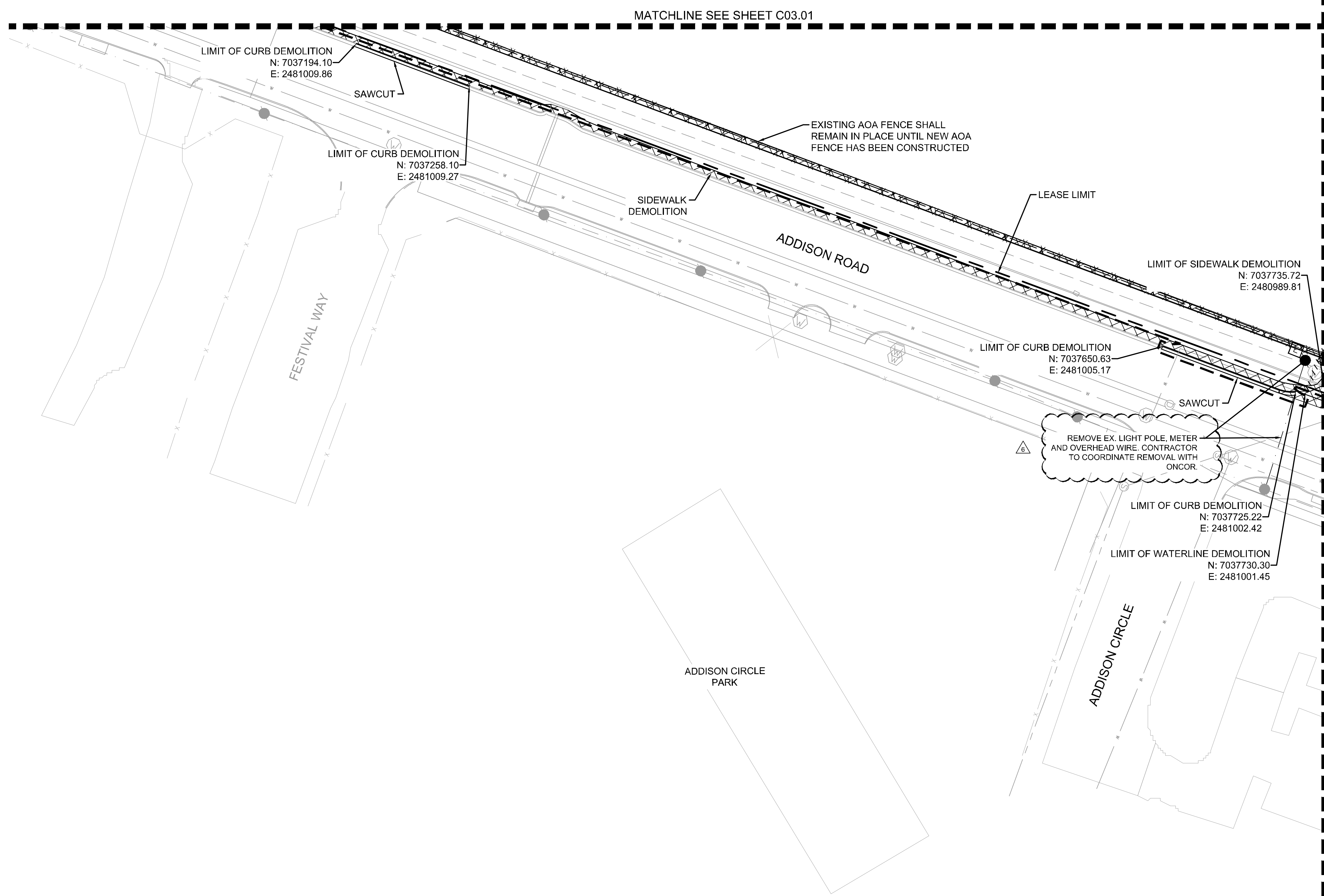
DEMOLITION PLAN

ADDISON GALAXY FBO
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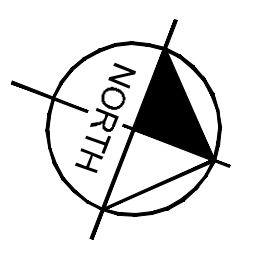
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ADDISON

SHEET NUMBER
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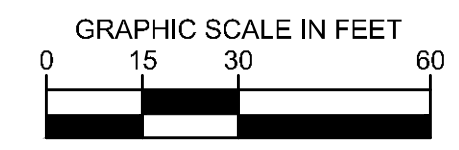
KEY PLAN



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

LEGEND

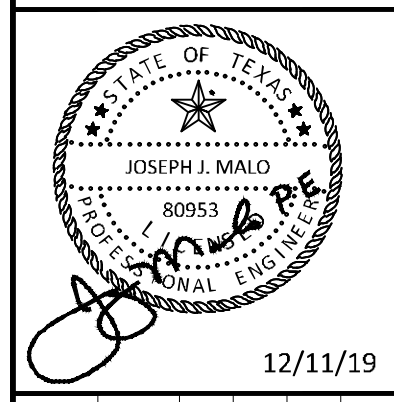
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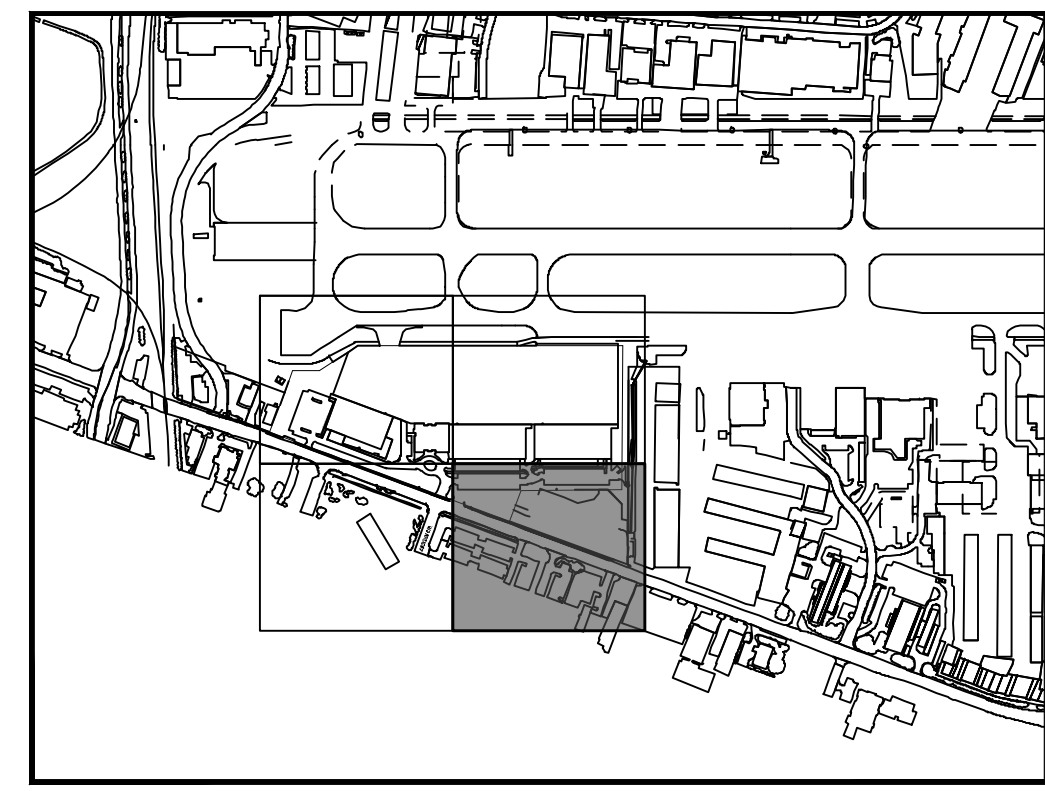
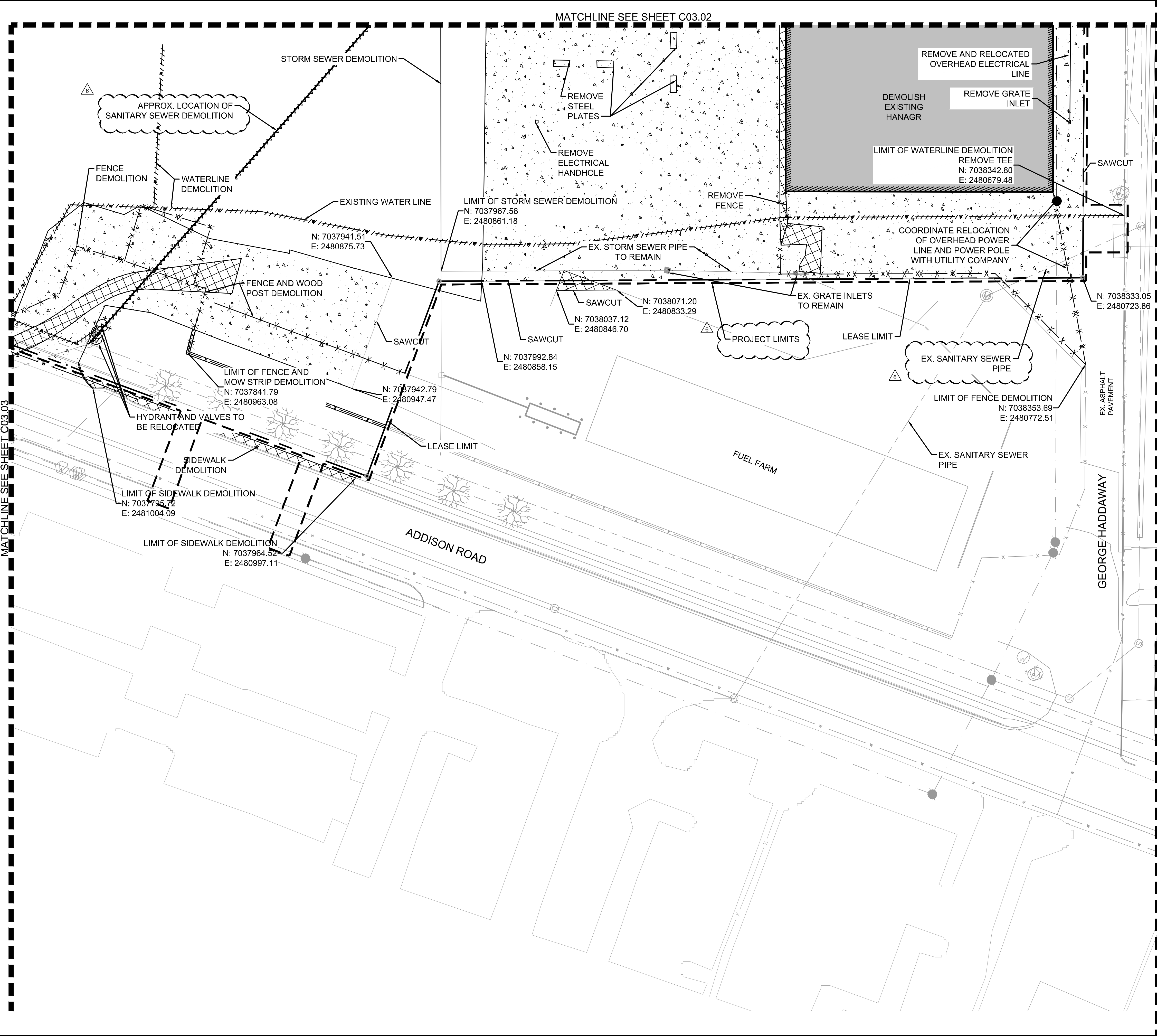
DEMOLITION PLAN

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

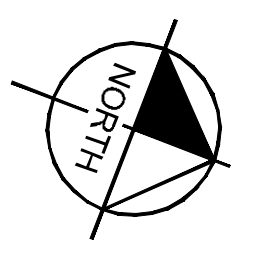
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MATCHLINE SEE SHEET C03.03



KEY PLAN

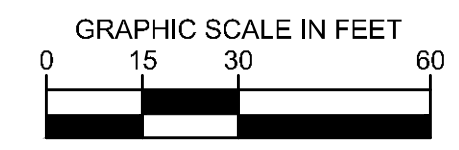


NOTES

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

LEGEND

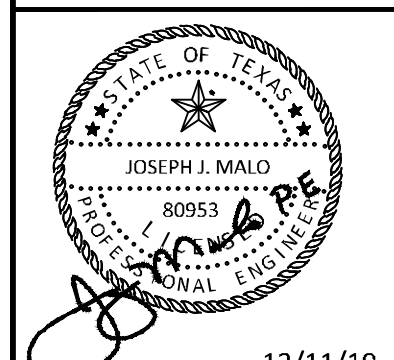
- ASPHALT PAVEMENT DEMOLITION
- CONCRETE PAVEMENT DEMOLITION
- DRAINAGE DITCH TO BE FILLED IN
- BUILDING AND FOUNDATION DEMOLITION
- LEASE LINE
- WATER LINE DEMOLITION
- FENCE DEMOLITION
- SANITARY SEWER DEMOLITION
- TAXIWAY EDGE LIGHT DEMOLITION



ADDENDUM #1	ADDENDUM #5	ADDENDUM #6	NO.	REVISIONS	DATE	BY
09/10/2019	JM					
10/24/2019	JM					
12/11/2019	JM					

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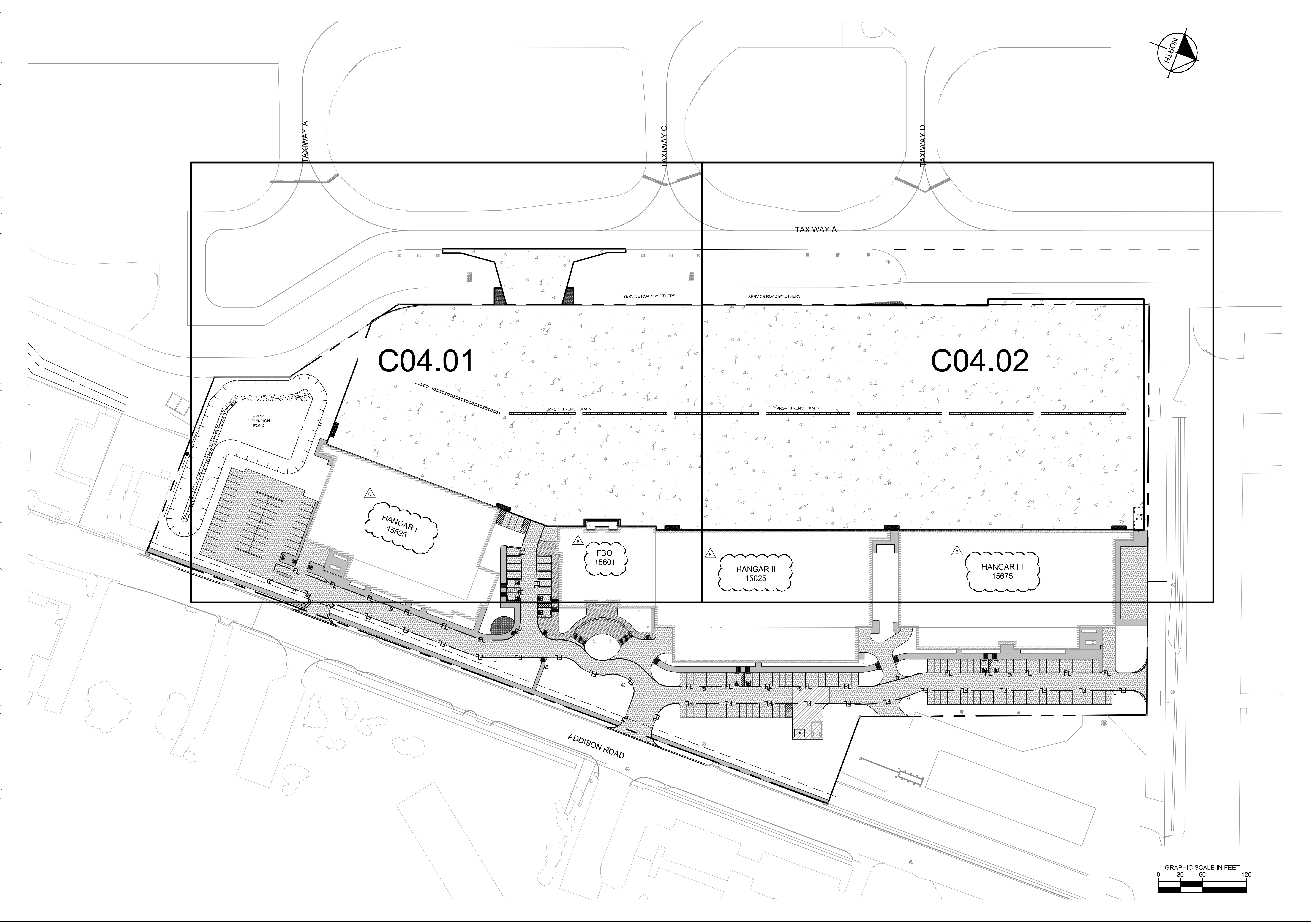
KHA PROJECT	DATE	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY
067792503	12/11/2019	AS SHOWN	HCV	EAC	HCV

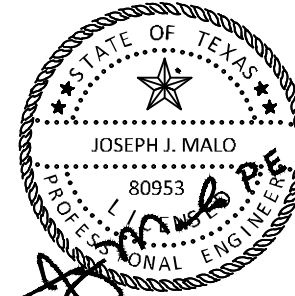
DEMOLITION PLAN

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

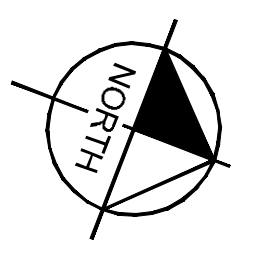
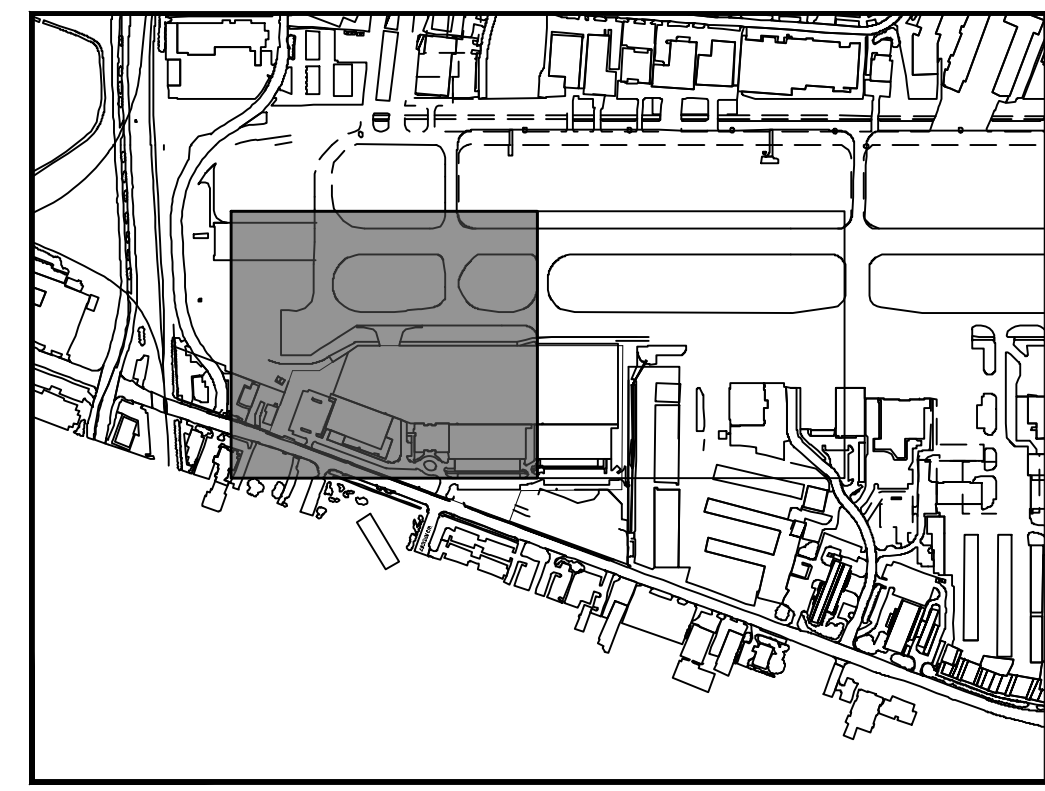
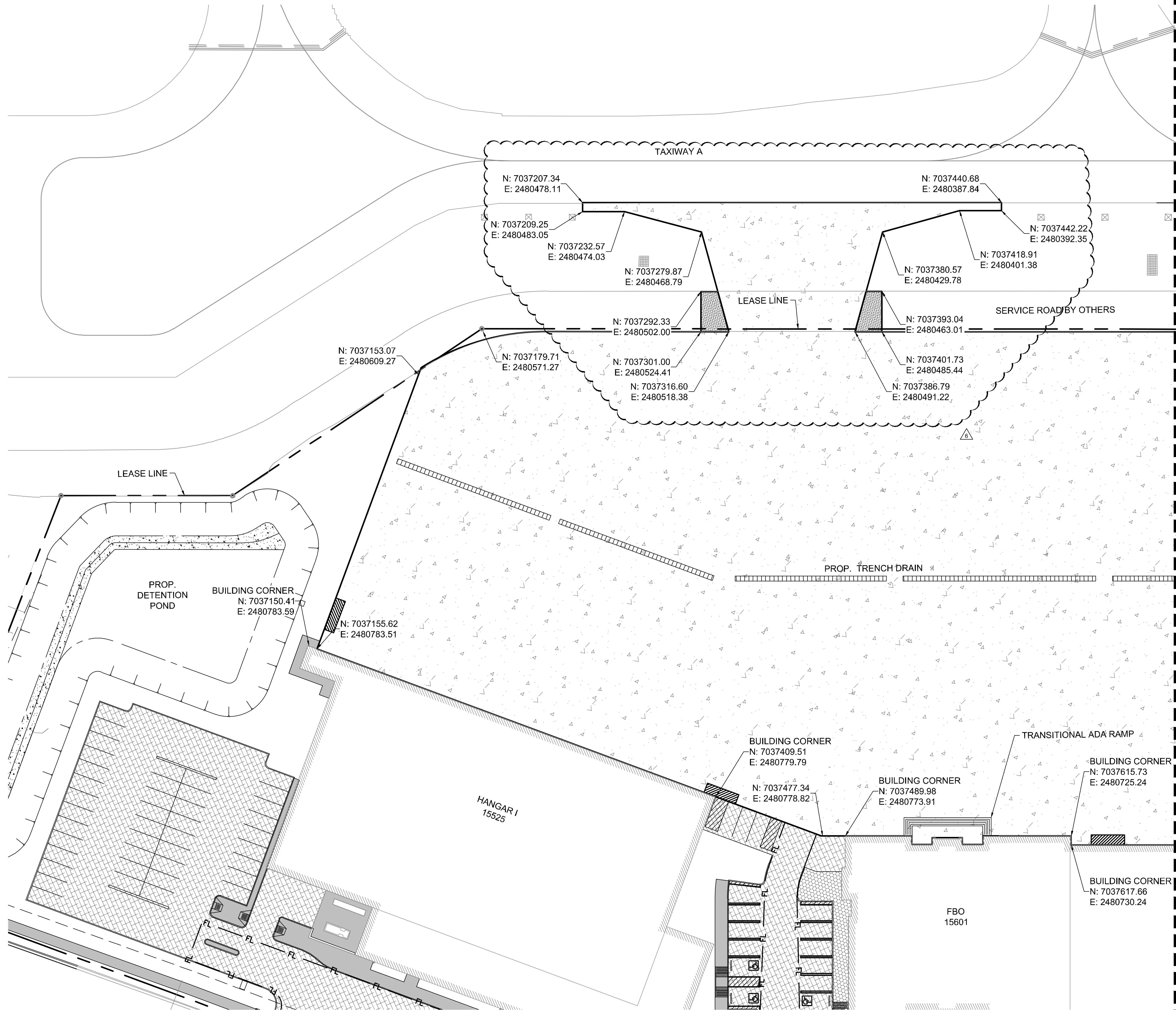
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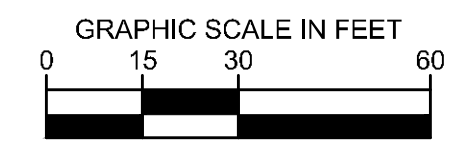
ADDISON GALAXY FBO 15601 ADDISON RD. PREPARED FOR BLACK FOREST VENTURE	ADDISON	DALLAS, TEXAS	AIRSIDE GEOMETRY PLAN KEY MAP		KHA PROJECT 067792503	KHA PROJECT 067792503
			Kimley»Horn		DATE 12/11/2019	DATE 12/11/2019
			 © 2019 KIMLEY-HORN AND ASSOCIATES, INC. 1400 WOODLICK FOREST DRIVE, SUITE 225 FORT WORTH, TEXAS 76104 PHONE: 281-475-2816 TBPE FIRM REGISTRATION F-928 WWW.KIMLEY-HORN.COM		SCALE AS SHOWN	SCALE AS SHOWN
				DESIGNED BY HCV	DESIGNED BY HCV	
				DRAWN BY EC	DRAWN BY EC	
				CHECKED BY HCV	CHECKED BY HCV	
SHEET NUMBER C04.00				REVISIONS		
				No.	DATE	BY

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MATCHLINE SEE SHEET C04.02

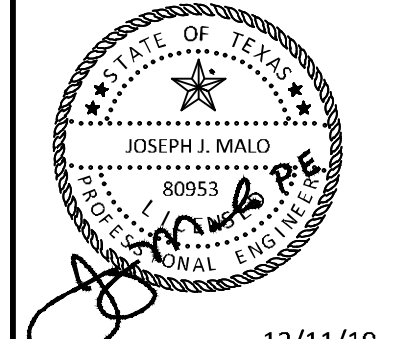
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- PROPOSED 10.5" PCC APRON PAVEMENT
 - PROPOSED 6" PCC LANDSIDE PAVEMENT
 - PROPOSED STAMPED 6" PCC LANDSIDE PAVEMENT
 - PROPOSED 5" SIDEWALK
 - PROPOSED 10" PCC PER PERIMETER ROAD PLANS BY GARVER, DATED JUNE, 2019 (TOA BID NO. 19-223)



ADDENDUM #1	DATE	BY
1	09/10/2019	JM
2	10/24/2019	JM
3	12/11/2019	JM

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

AIRSIDE GEOMETRY PLAN

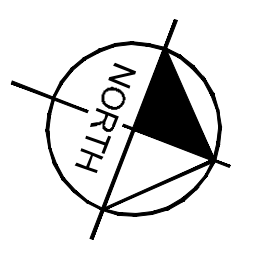
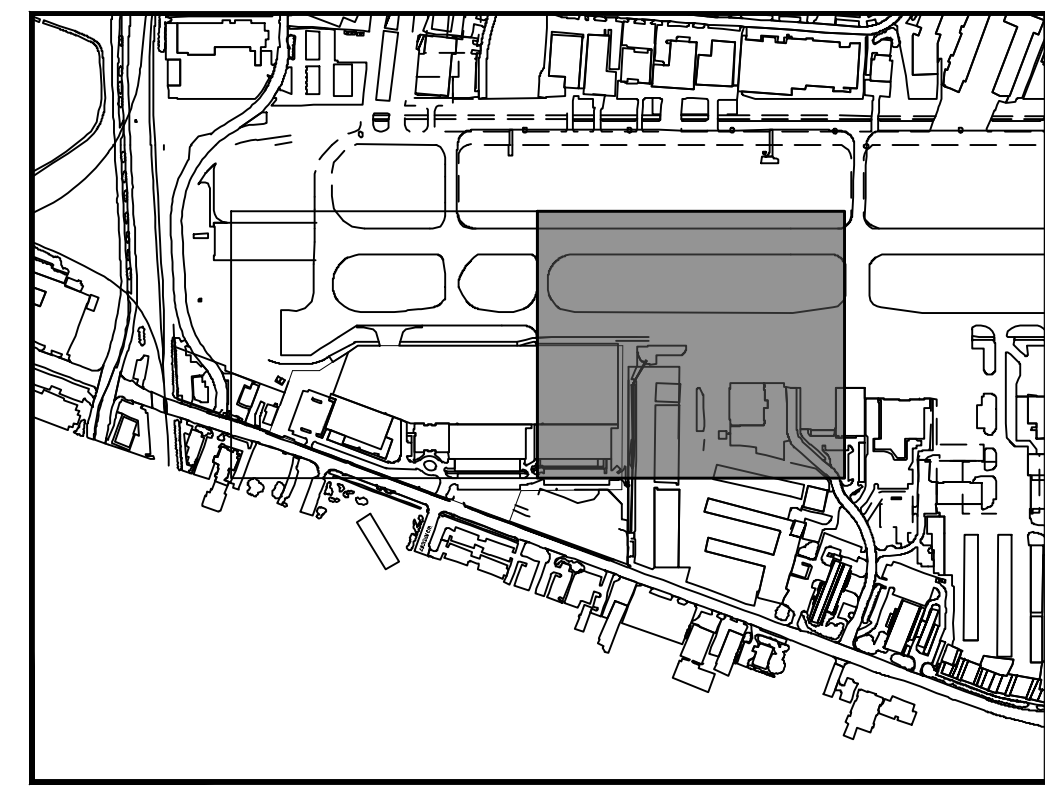
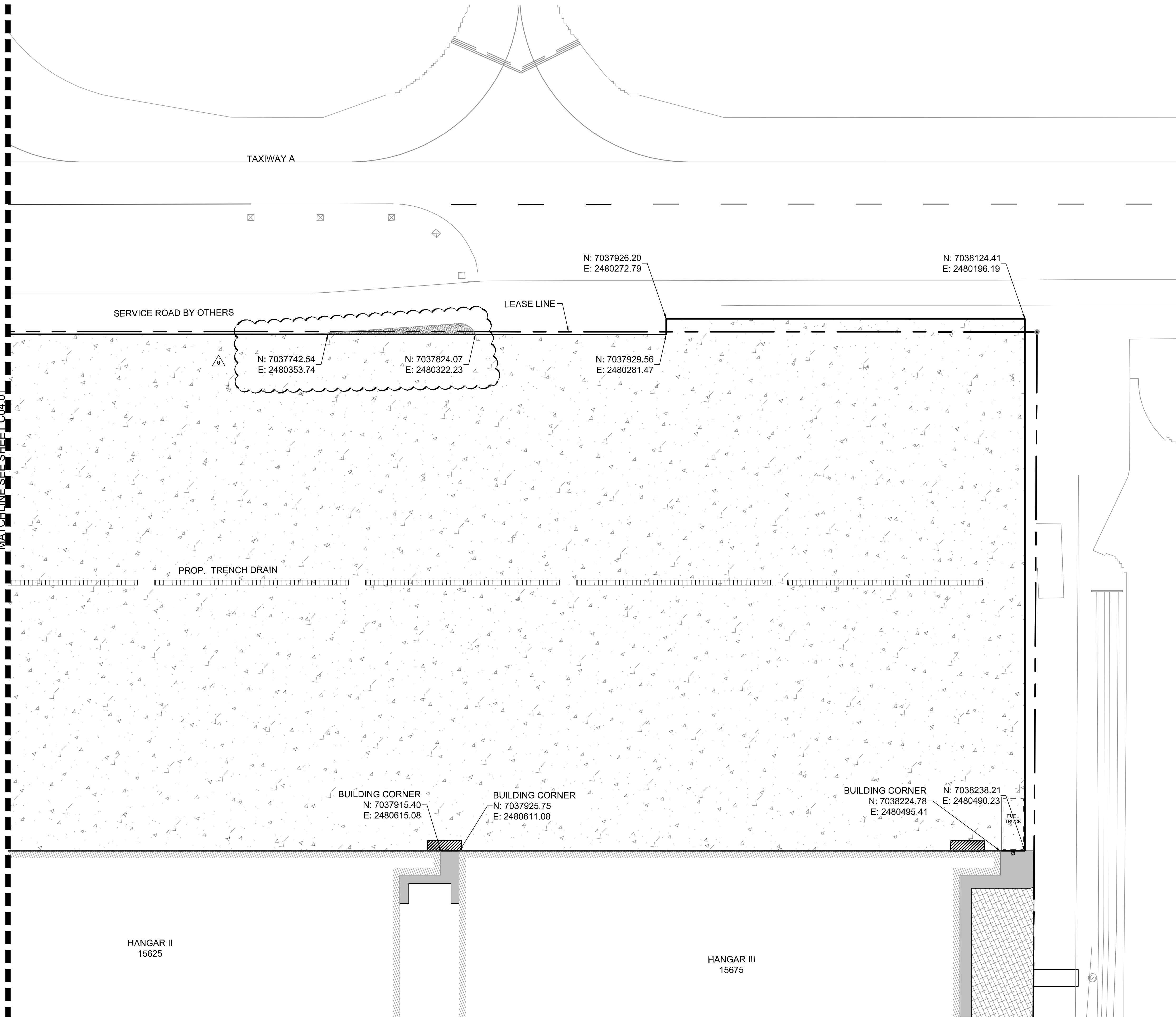
ADDISON GALAXY FBO
 15601 ADDISON RD.
 PREPARED FOR
BLACK FOREST VENTURE

DALLAS, TEXAS

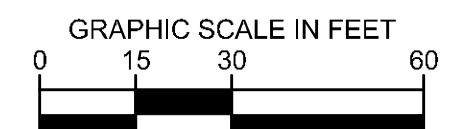
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MATCHLINE SEE SHEET C04.01



- 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)

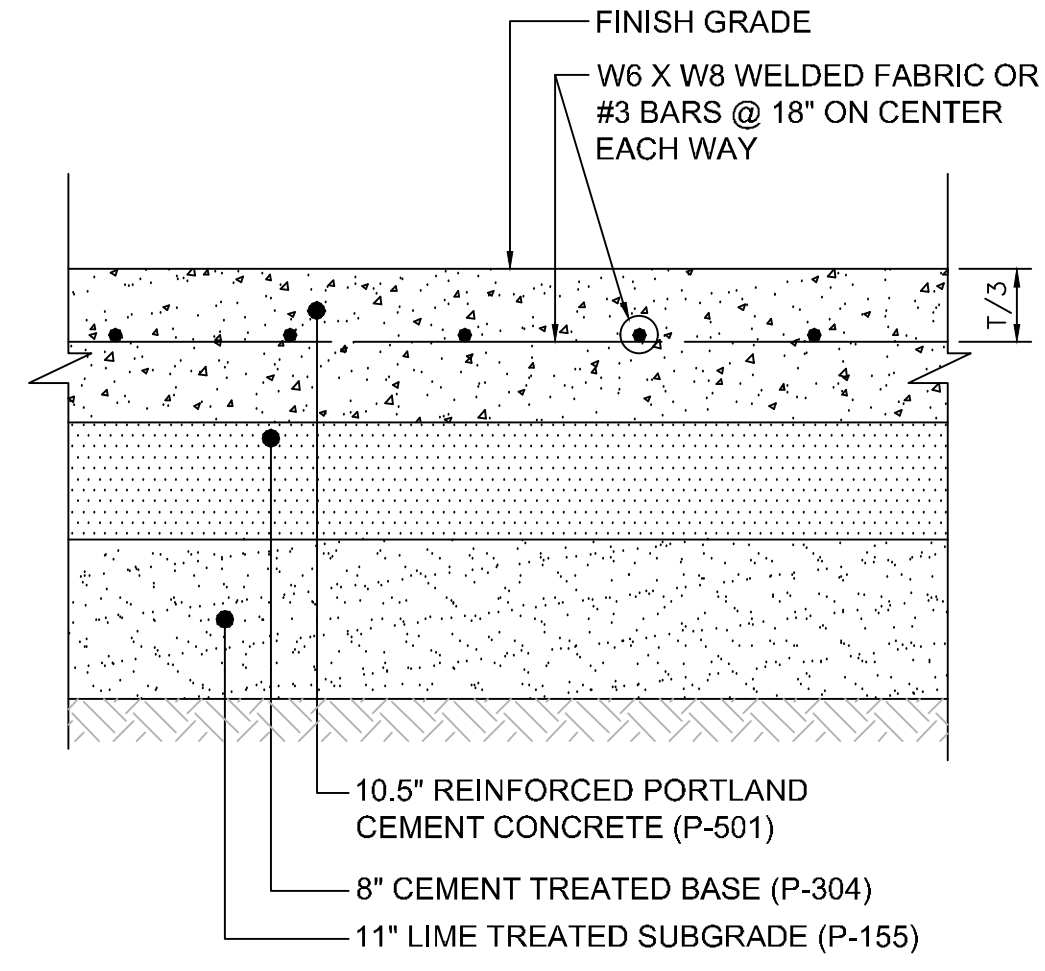


ADDISON GALAXY FBO 15601 ADDISON RD. PREPARED FOR BLACK FOREST VENTURE		DALLAS, TEXAS	
SHEET NUMBER C04.02		ADDISON	
KHA PROJECT 067792503	DATE 12/11/2019	DESIGNED BY HCV	CHECKED BY HCV
SCALE AS SHOWN		DRAWN BY EC	EAC
		12/11/2019	
		10/24/2019	
		09/10/2019	
ADDENDUM #1	ADDENDUM #2	ADDENDUM #3	ADDENDUM #4
No.	REVISIONS	DATE	BY

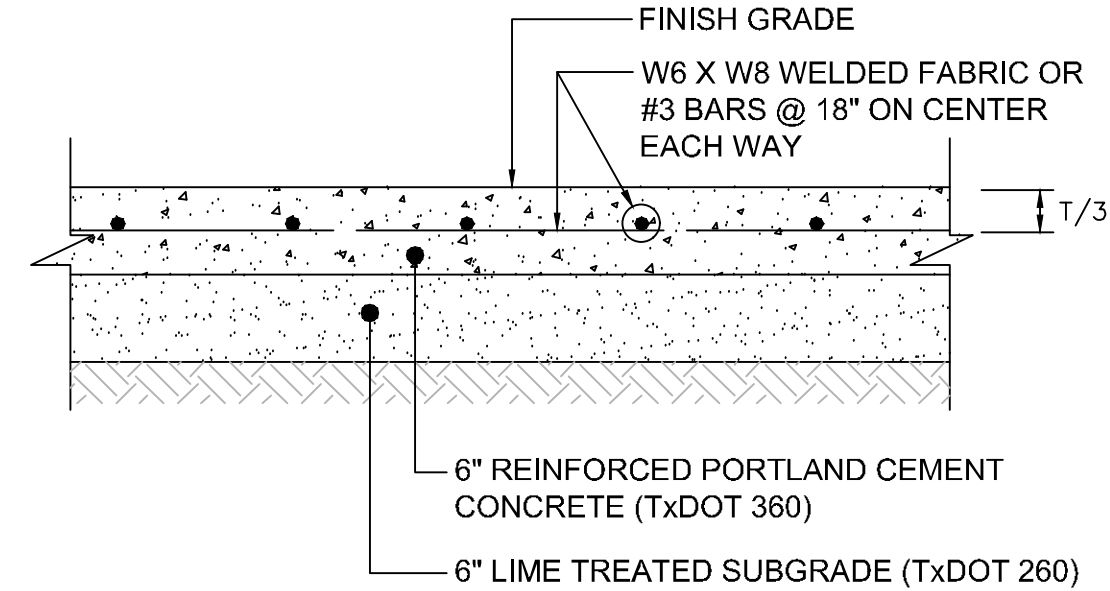
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 FORT WORTH, TEXAS 76104
 PHONE: 817-475-2816
 TBPE FIRM REGISTRATION F-928
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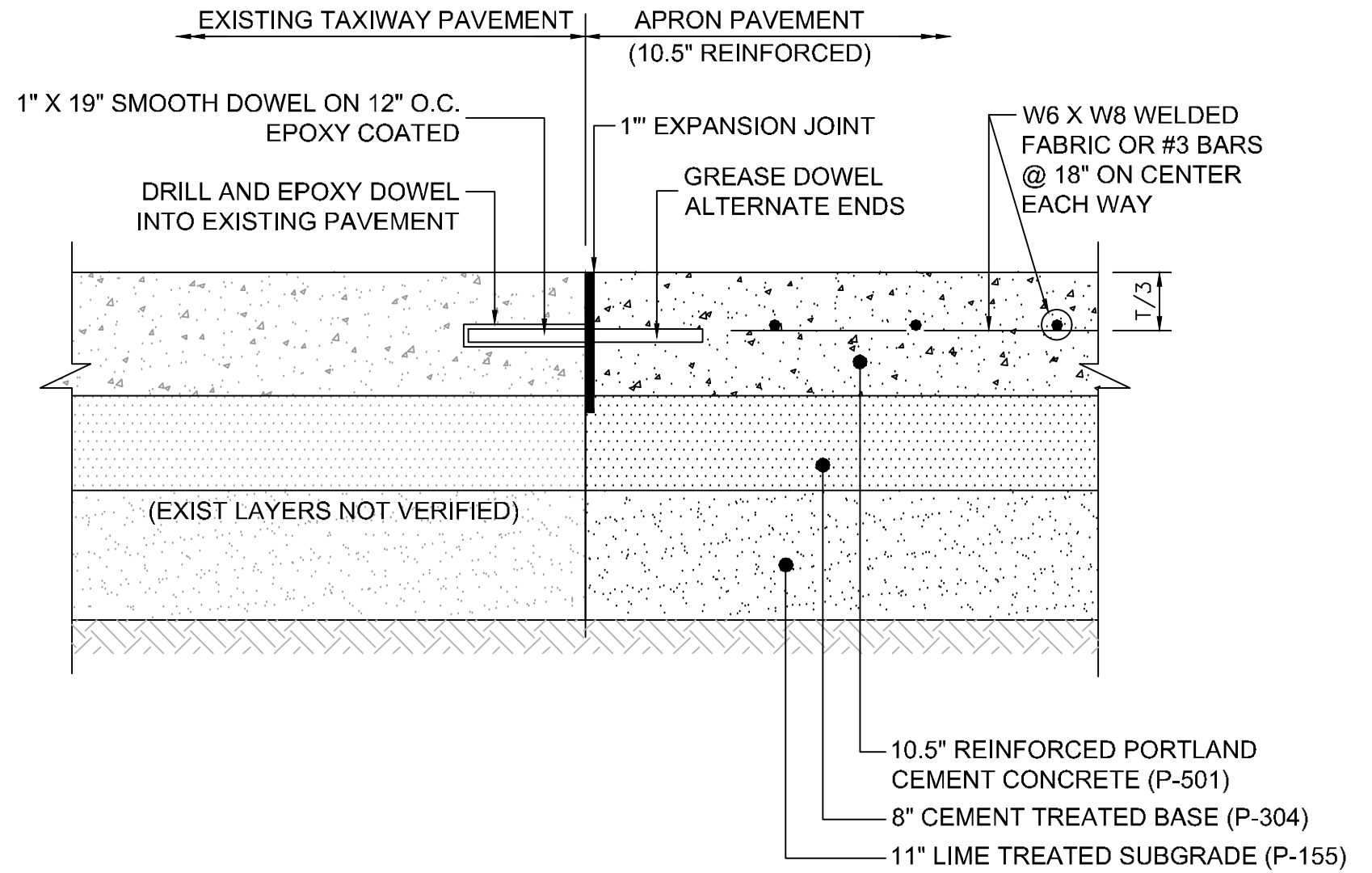
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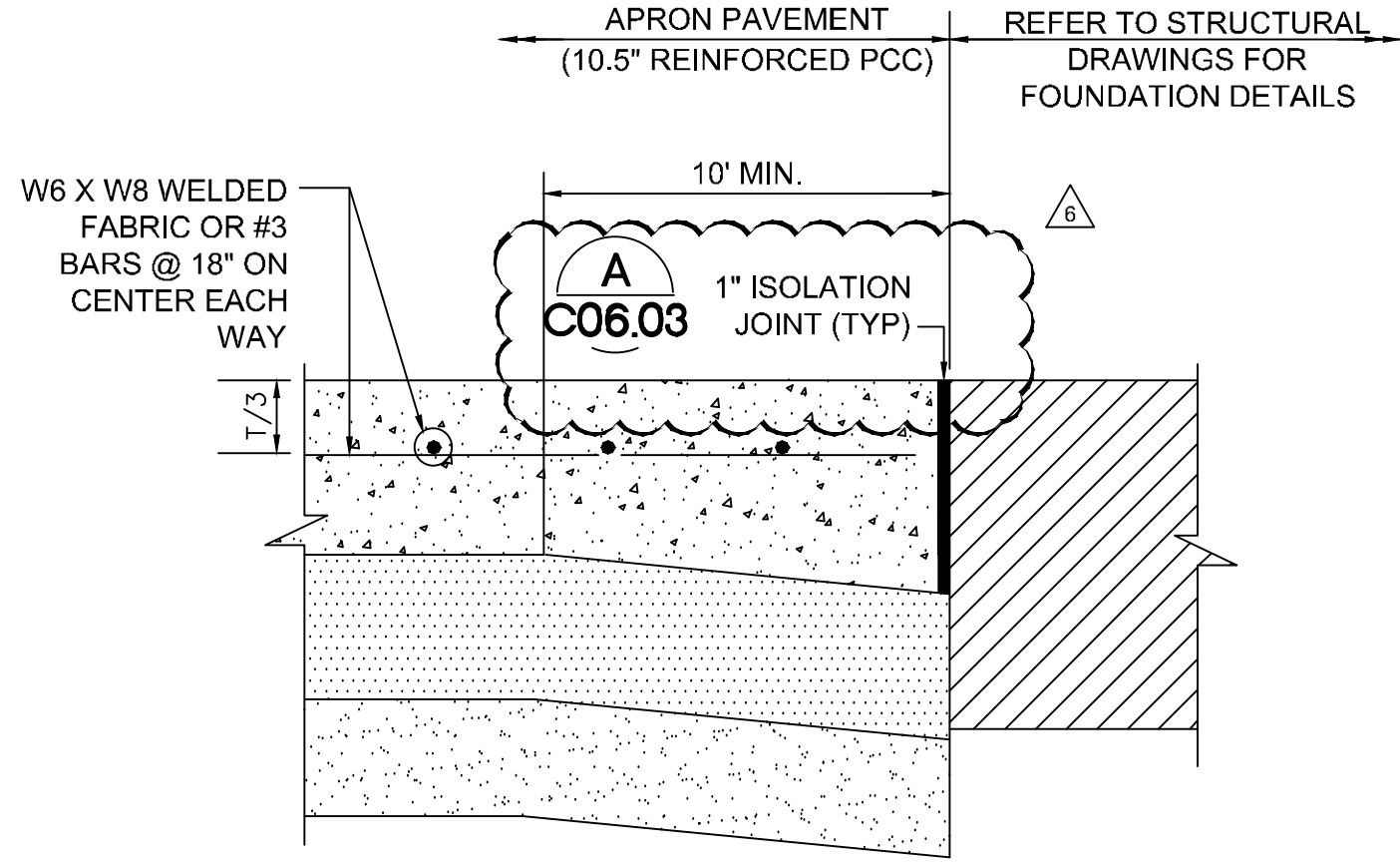
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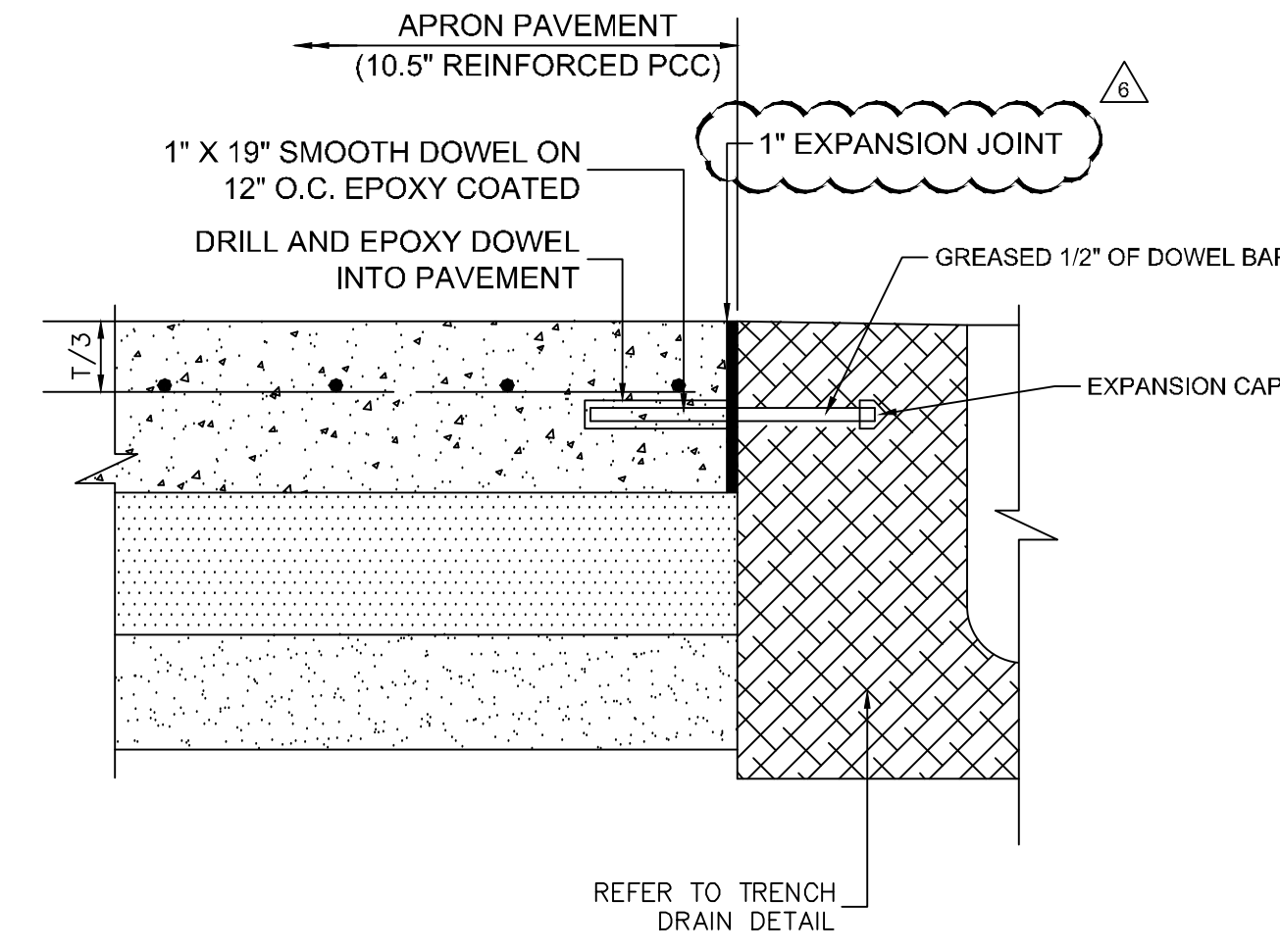
2 6' PCC MEDIUM TRAFFIC PAVEMENT
N.T.S.



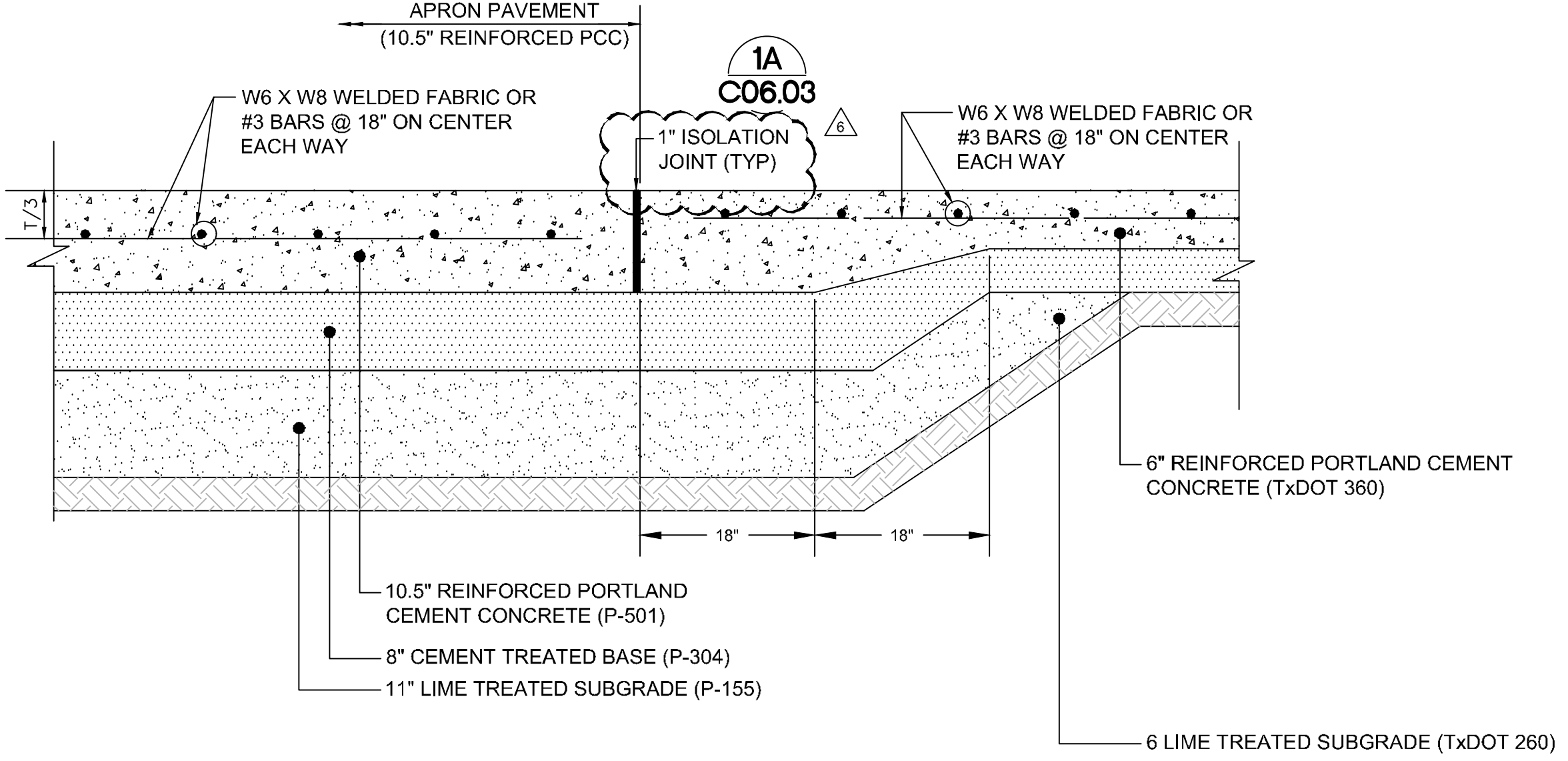
3 TAXILANE PAVEMENT TIE TO EXISTING TAXIWAY PAVEMENT TYPICAL SECTION
N.T.S.



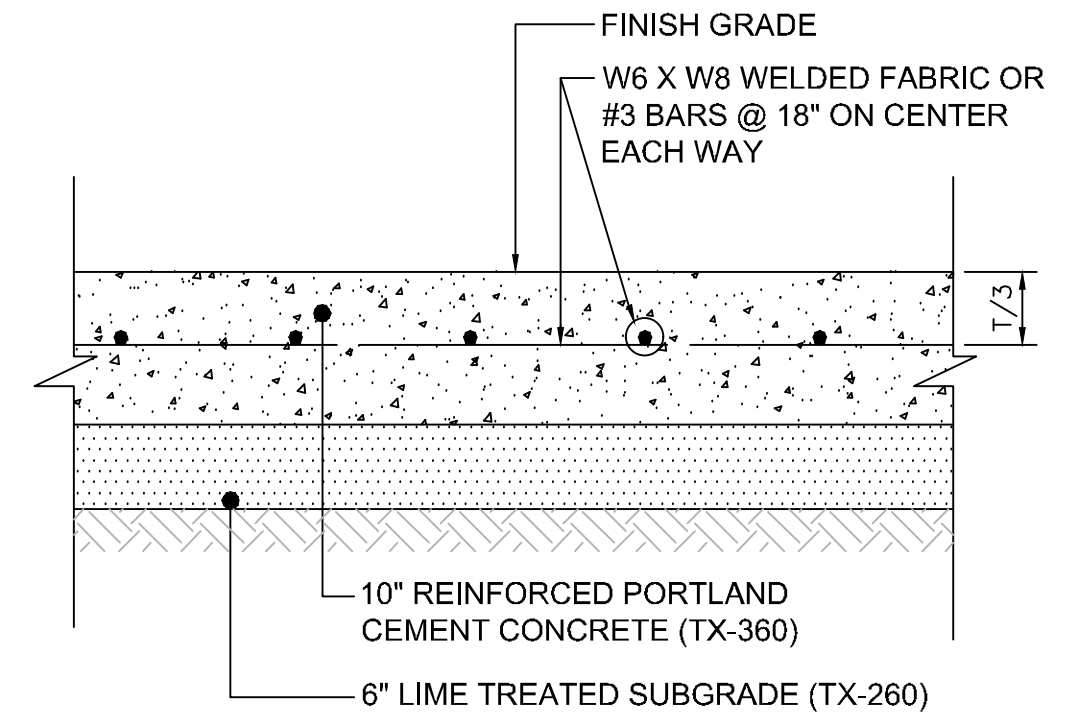
4 THICKENED EDGE AT HANGAR SLAB
N.T.S.



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



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



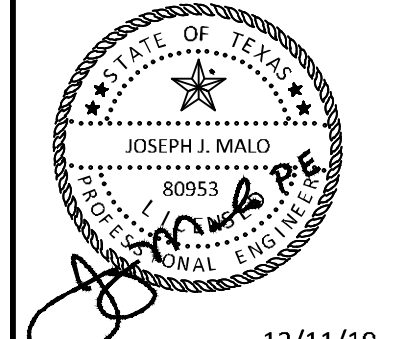
7 10' PCC PERIMETER ROAD PAVEMENT
N.T.S.

DRILL HORIZONTAL AND EPOXY DOWEL INTO EXISTING PAVEMENT

ADDENDUM #1	ADDENDUM #5	ADDENDUM #6	NO.	REVISIONS	DATE	BY
09/10/2019	10/24/2019	12/11/2019				

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

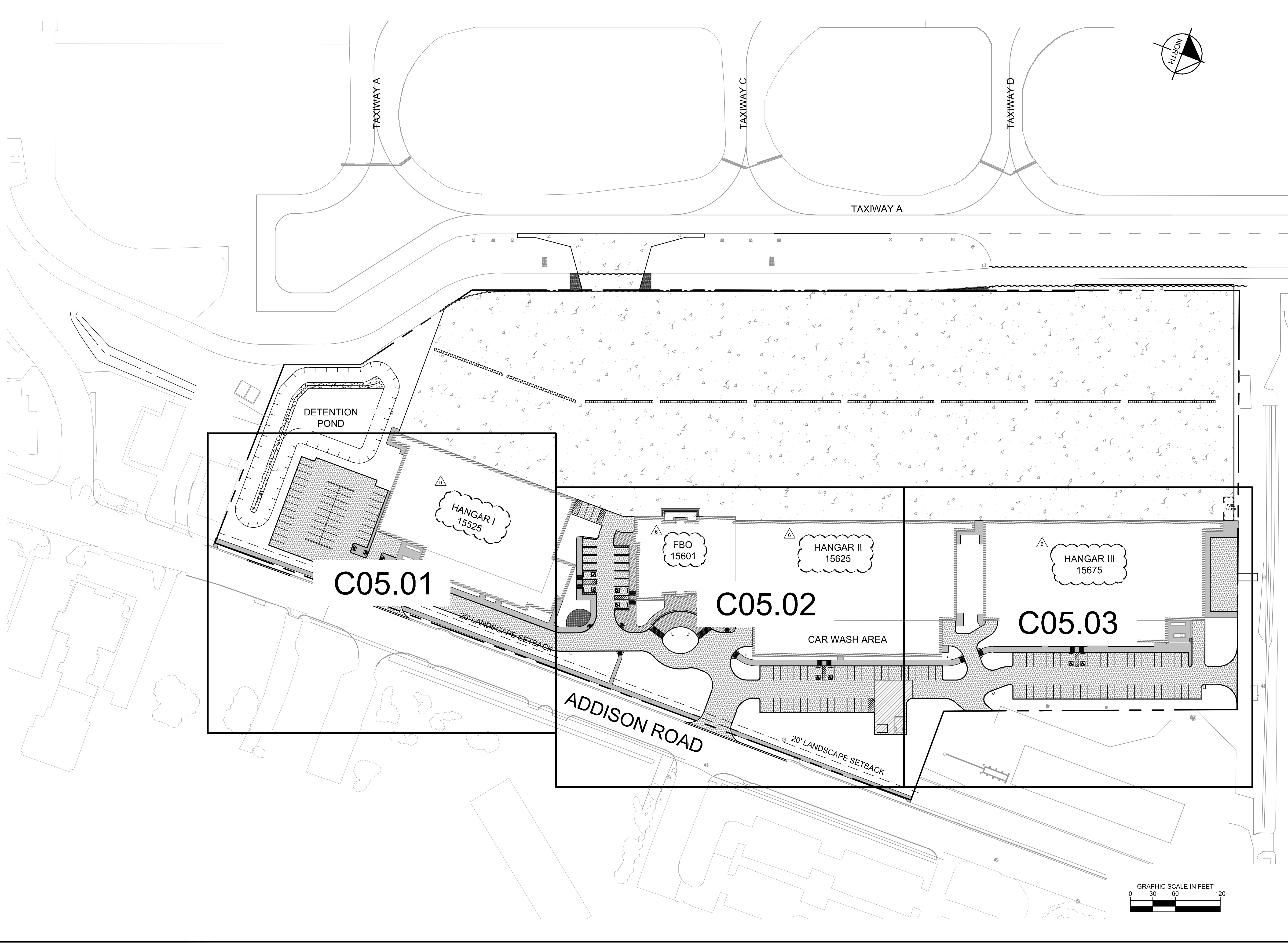
AIRSIDE PAVEMENT TYPICAL SECTIONS

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

DALLAS, TEXAS
 ADDISON

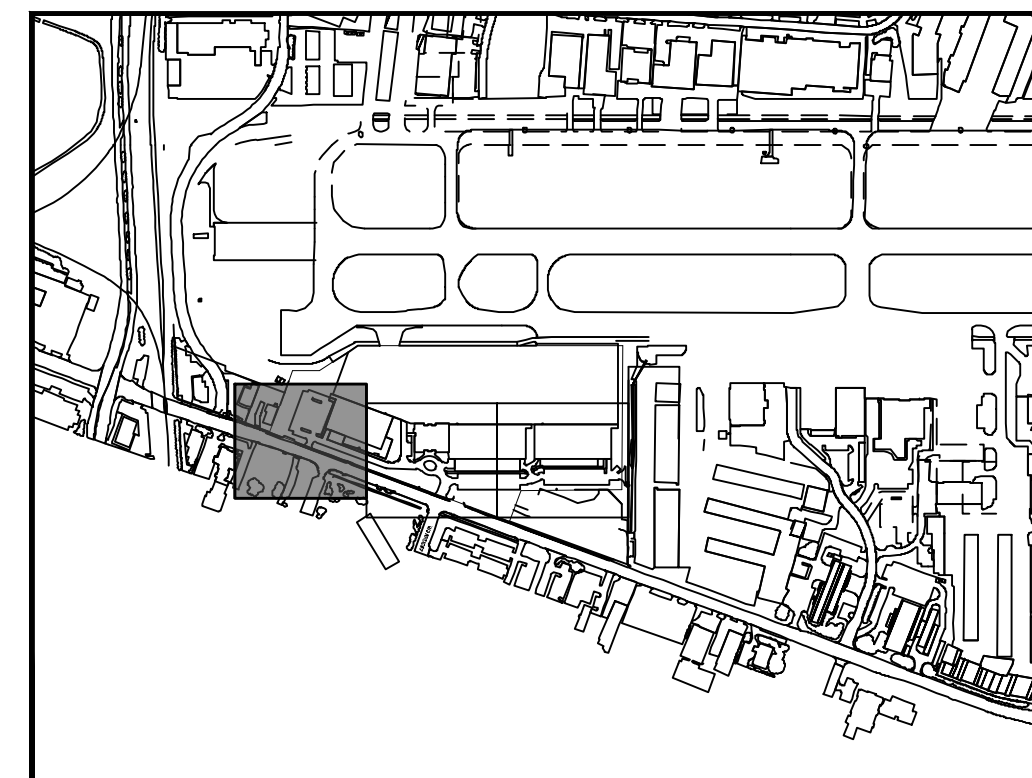
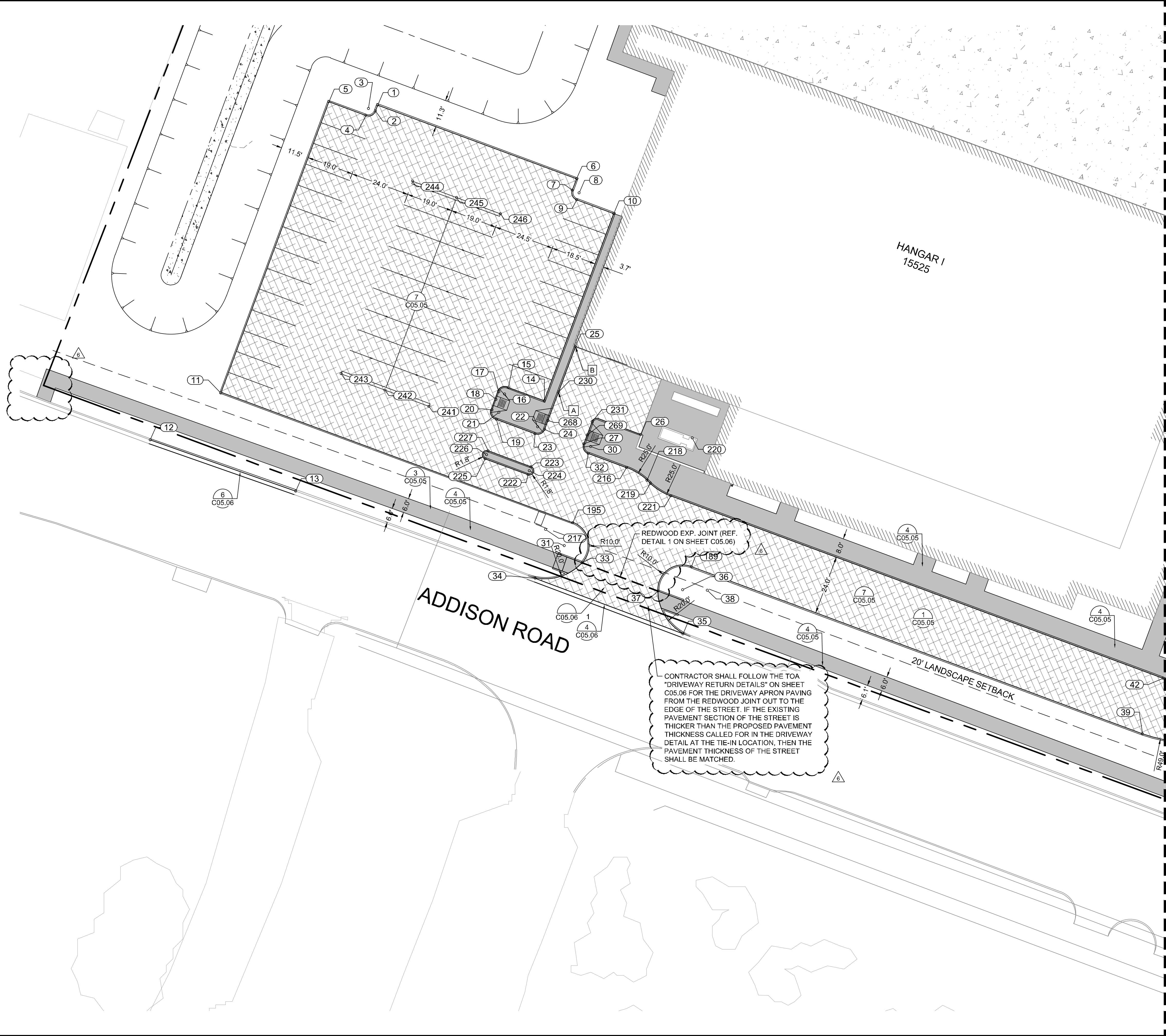
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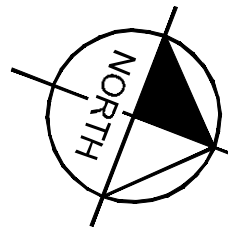


ADDISON GALAXY FBO 15601 ADDISON RD. PREPARED FOR BLACK FOREST VENTURE	KHA PROJECT 067792503		KIMLEY-HORN
	DATE 12/11/2019		© 2019 KIMLEY-HORN AND ASSOCIATES, INC. 1400 WOODLICK FOREST DRIVE, SUITE 225 DALLAS, TEXAS 75243 PHONE: 281-475-2816 TBP# FIRM REGISTRATION F-928 WWW.KIMLEY-HORN.COM
SHEET NUMBER C05.00	SCALE AS SHOWN		DESIGNED BY HCV DRAWN BY EC EAC CHECKED BY HCV
	ADDISON DALLAS, TEXAS		
GEOMETRY LANDSIDE PLAN		12/11/19	
REVISIONS		DATE BY	
No.	REVISIONS	DATE	BY
1		09/10/2019	JM
2		10/24/2019	JM
3		12/11/2019	JM
4			
5			
6			

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KEY PLAN



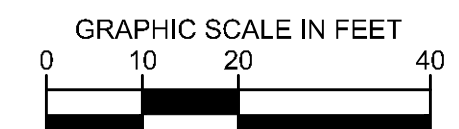
MATCHLINE SEE SHEET C05.02

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

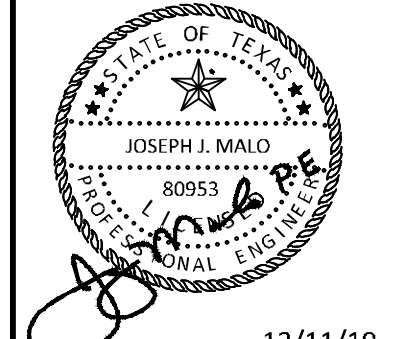
- PROPOSED 10.5" PCC APRON PAVEMENT
- PROPOSED 6" PCC LANDSIDE MEDIUM DUTY PAVEMENT
- PROPOSED STAMPED 6" PCC LANDSIDE PAVEMENT
- PROPOSED 5" SIDEWALK
- PROPOSED 7" PCC LANDSIDE HEAVY DUTY PAVEMENT
- PROPOSED LANDSCAPE FEATURE. REF. LANDSCAPE PLANS FOR DETAILS.
- 1
XXX PAGE #



ADDENDUM #1	ADDENDUM #5	ADDENDUM #6	DATE	BY
1			09/10/2019	JM
2			10/24/2019	JM
3			12/11/2019	JM

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

GEOMETRY LANDSIDE PLAN

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

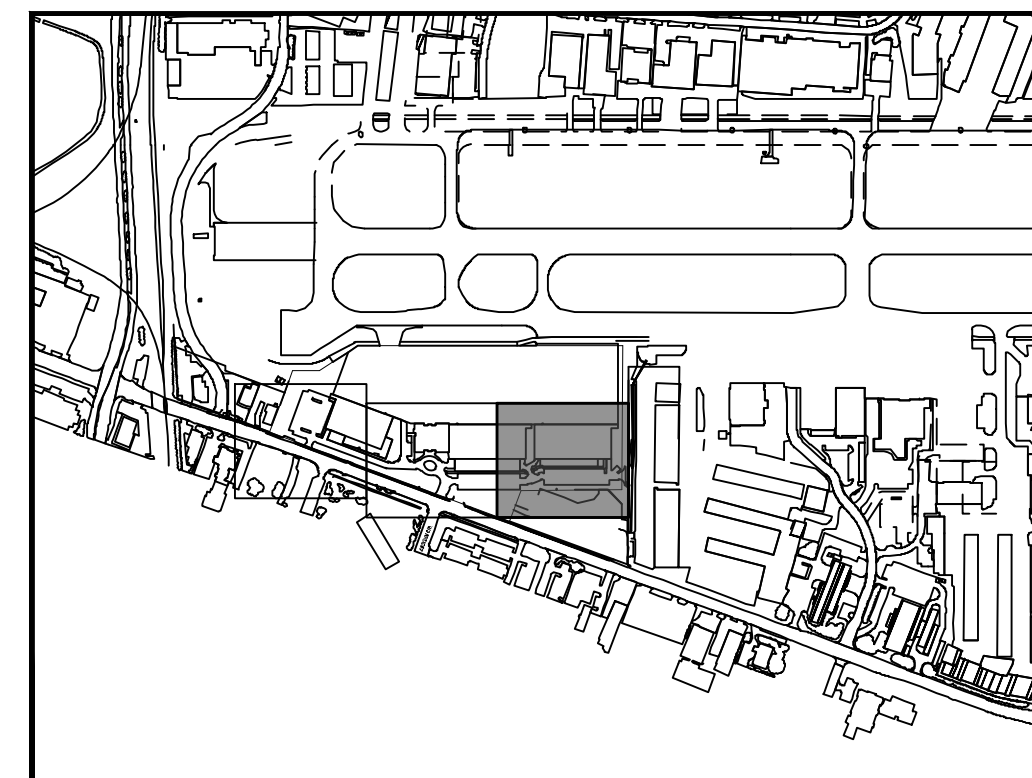
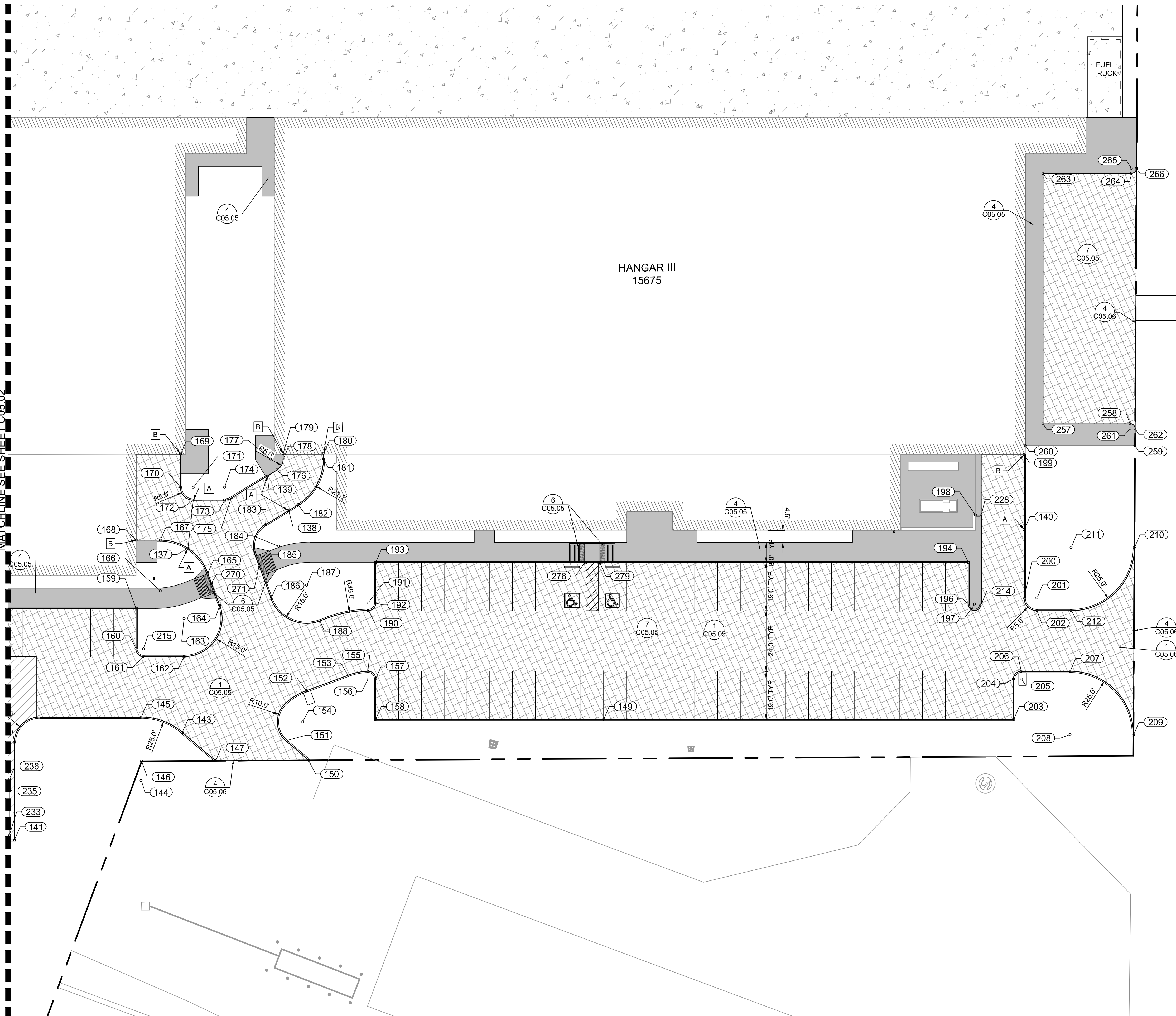
DALLAS, TEXAS

ADDISON

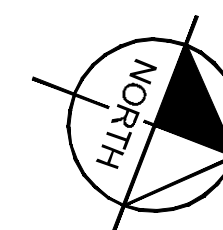
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MATCHLINE SEE SHEET C05.02



KEY PLAN

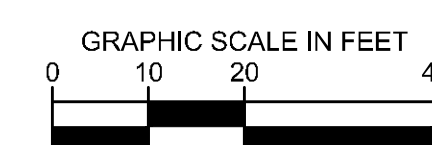


NOTES:

- [A] START OF CURB TRANSITION.
 - [B] END OF CURB TRANSITION.
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 2. SEE GEOMETRY LANDSIDE POINT TABLE ON SHEET C05.04.

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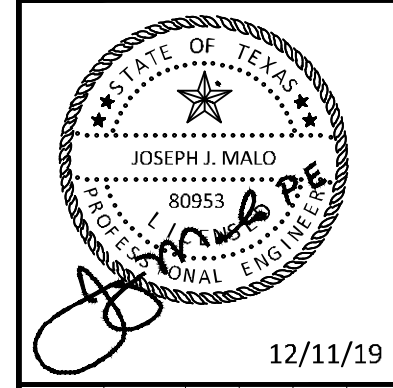
- PROPOSED 10.5" PCC APRON PAVEMENT
- PROPOSED 6" PCC LANDSIDE MEDIUM DUTY PAVEMENT
- PROPOSED STAMPED 6" PCC LANDSIDE PAVEMENT
- PROPOSED 5" SIDEWALK
- PROPOSED 7" PCC LANDSIDE HEAVY DUTY PAVEMENT
- PROPOSED LANDSCAPE FEATURE. REF. LANDSCAPE PLANS FOR DETAILS.
- DETAIL #
PAGE #



ADDENDUM #1	DATE	BY
1	09/10/2019	JM
2	10/24/2019	JM
3	12/11/2019	JM

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

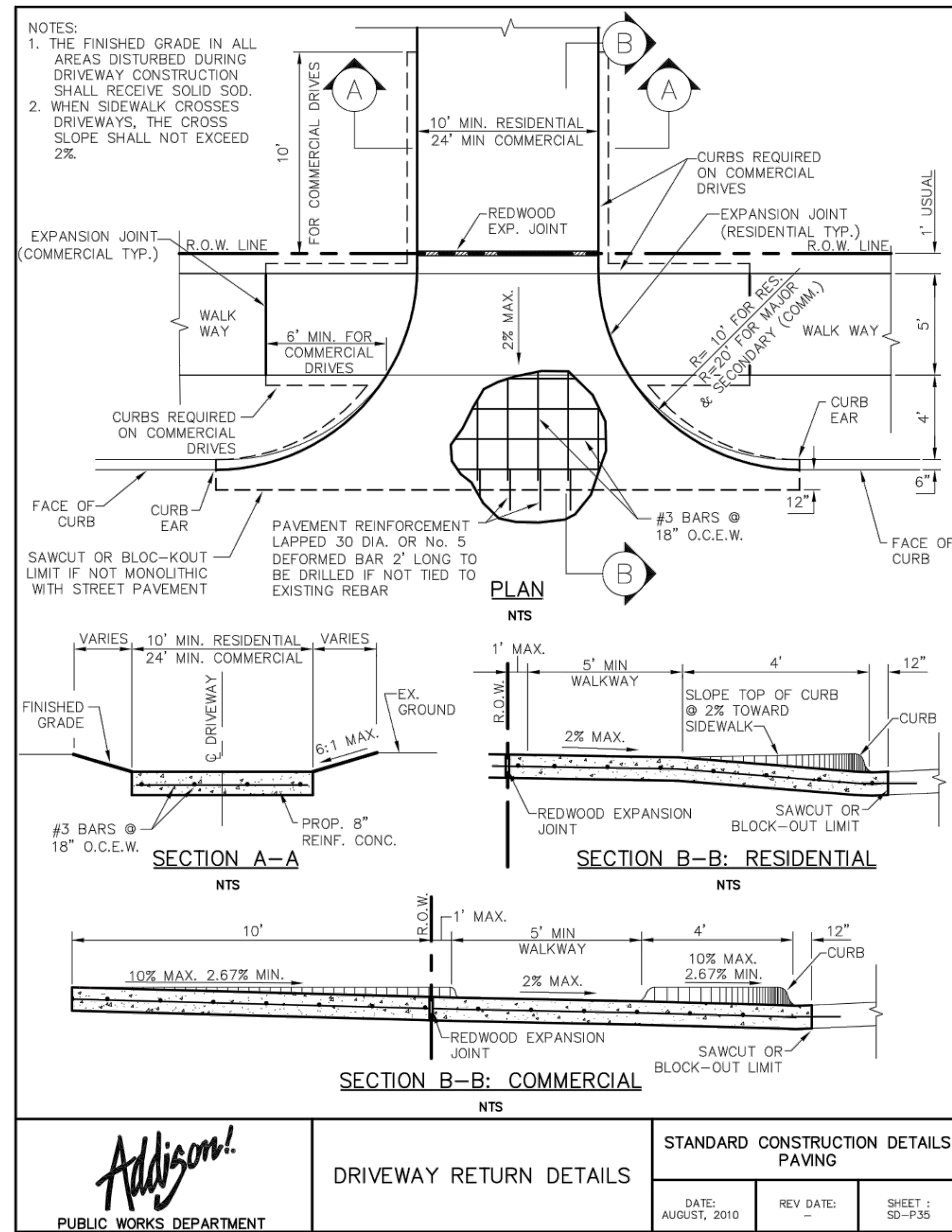
GEOMETRY LANDSIDE PLAN

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

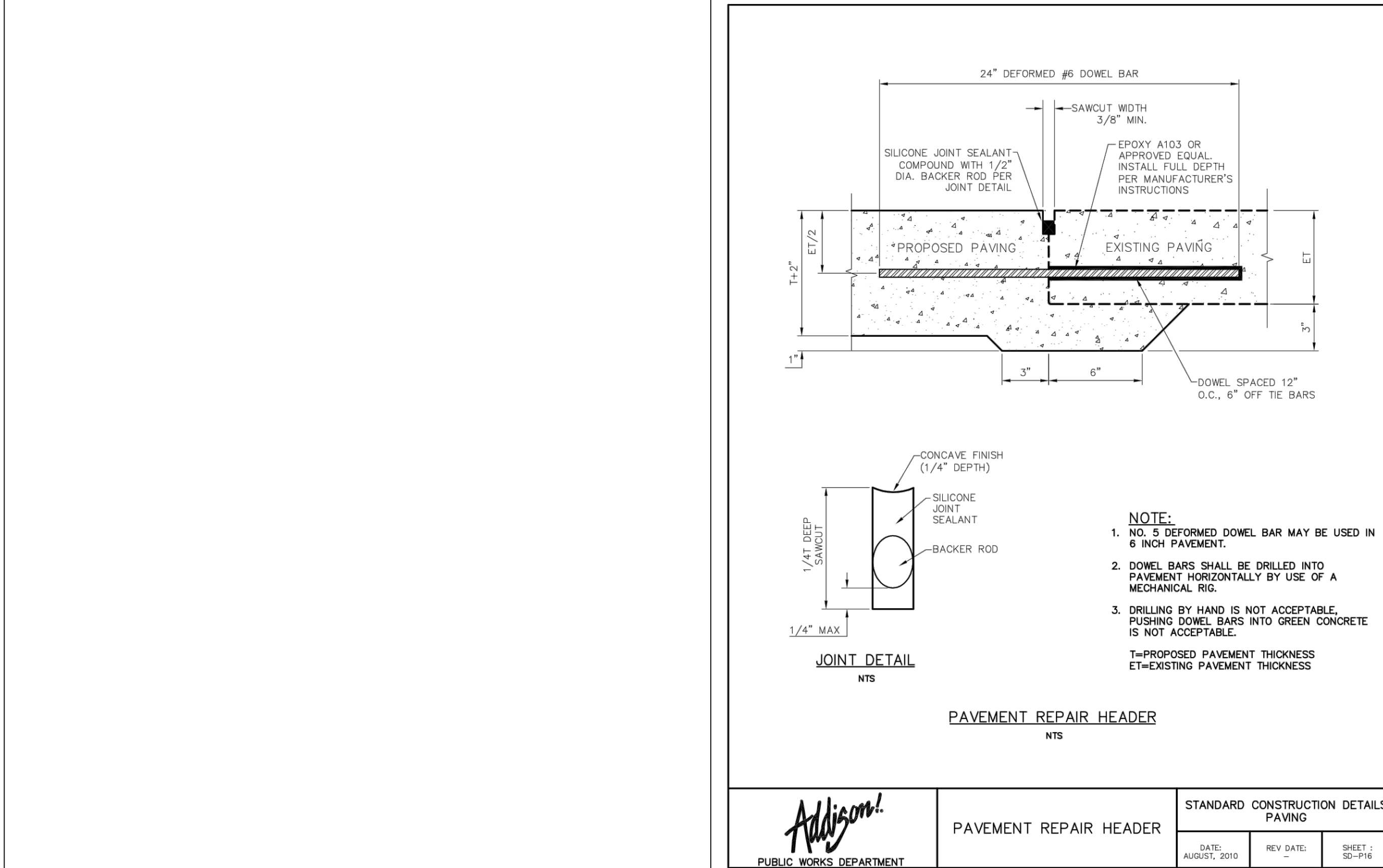
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 ADDISON

SHEET NUMBER
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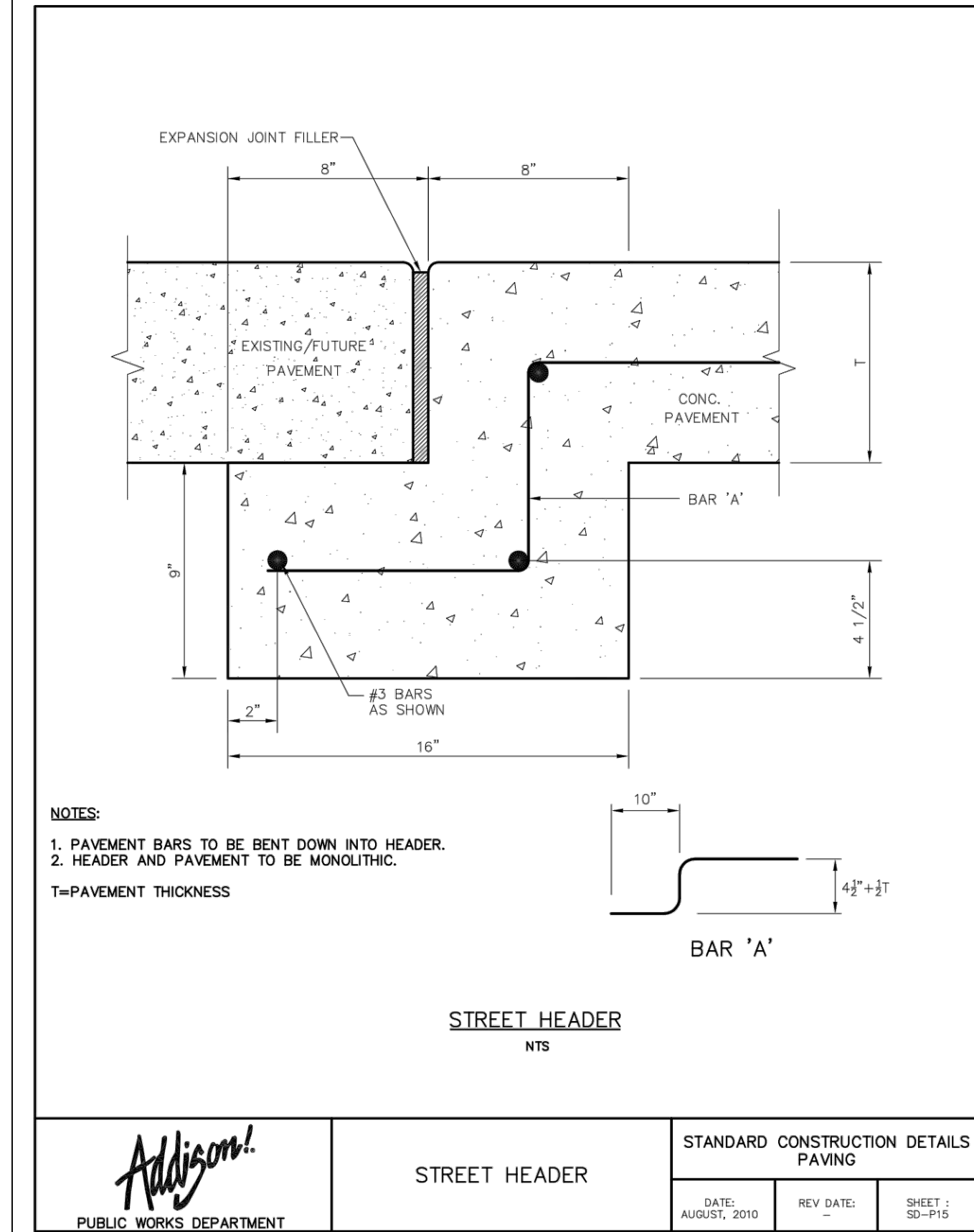
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1



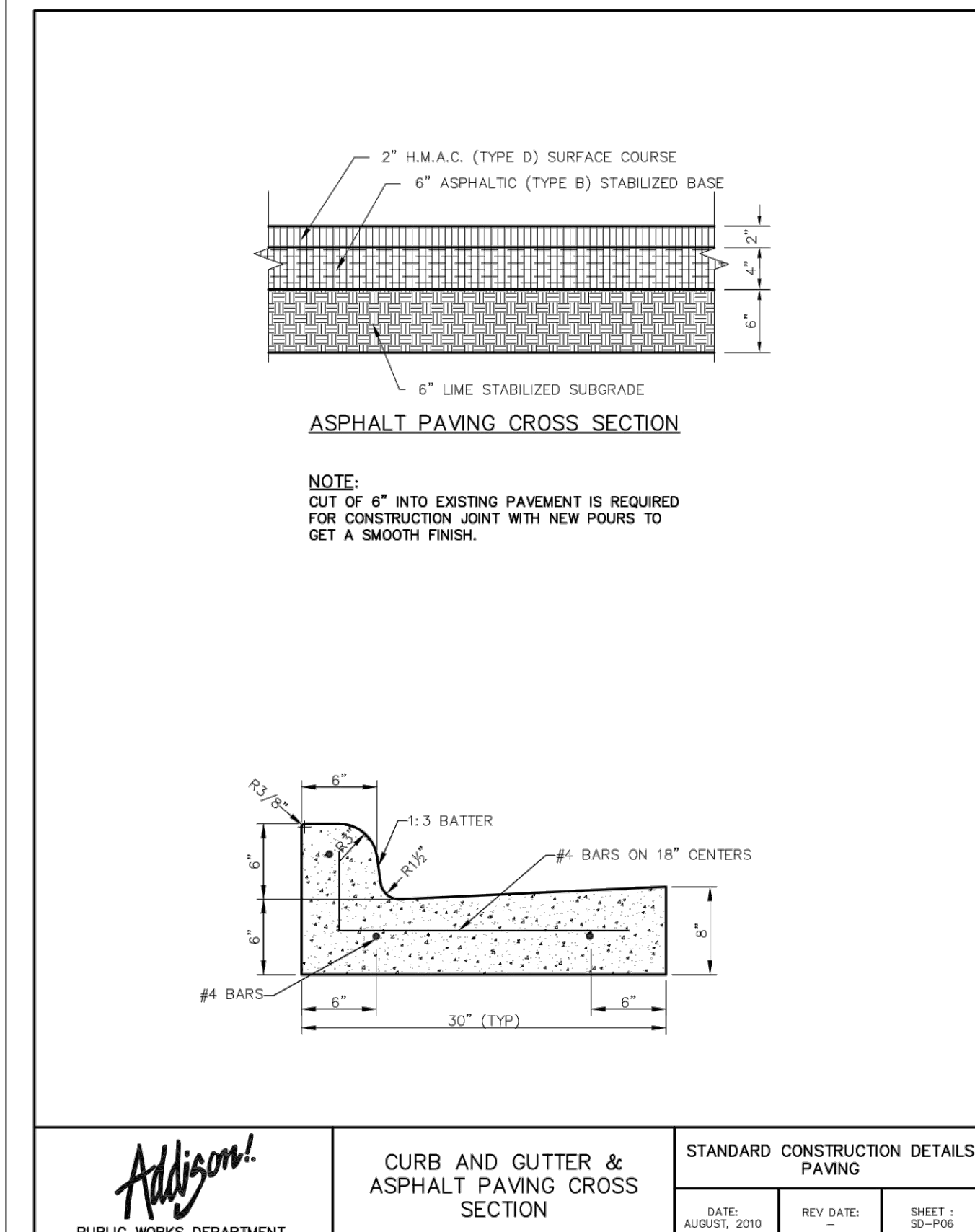
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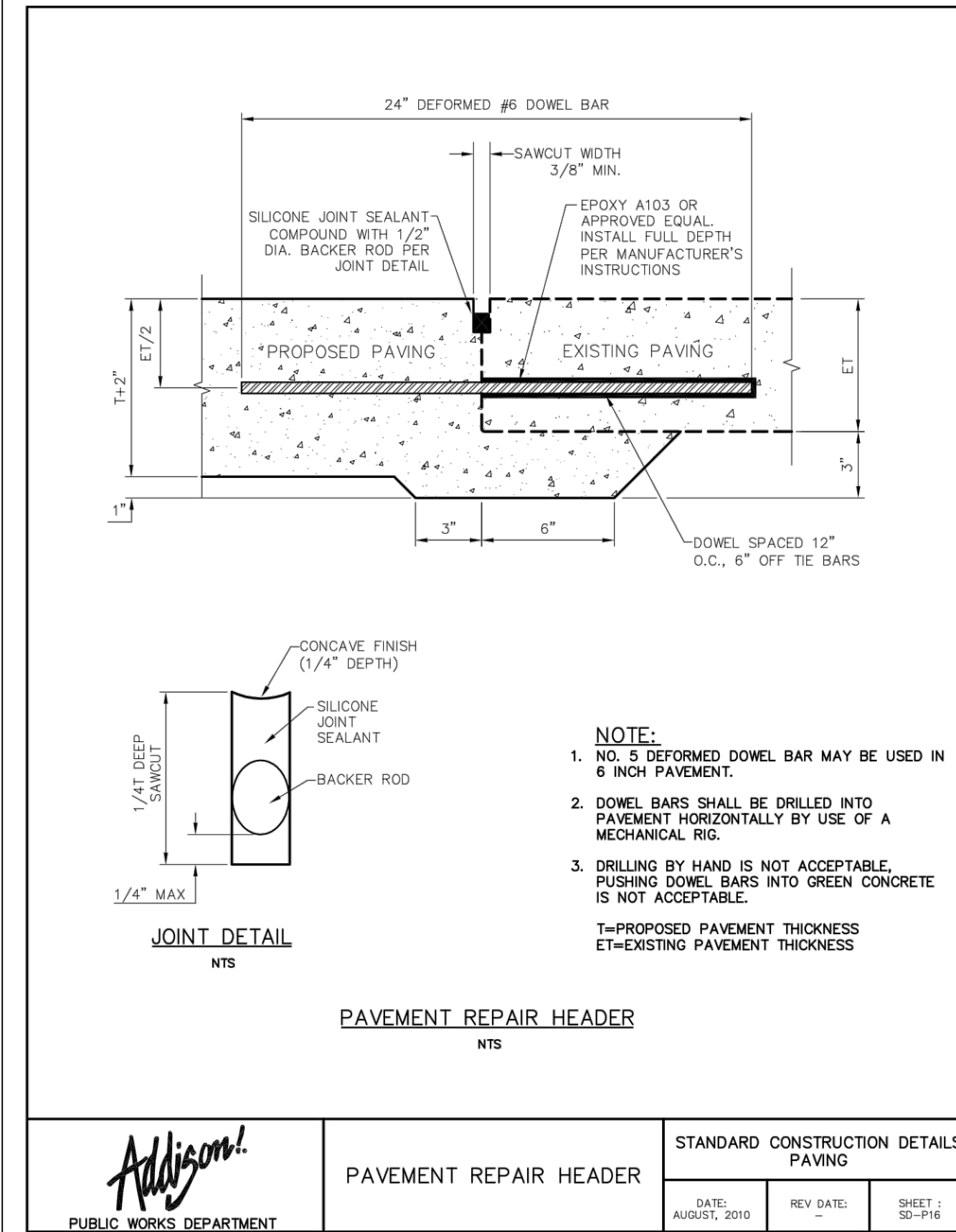
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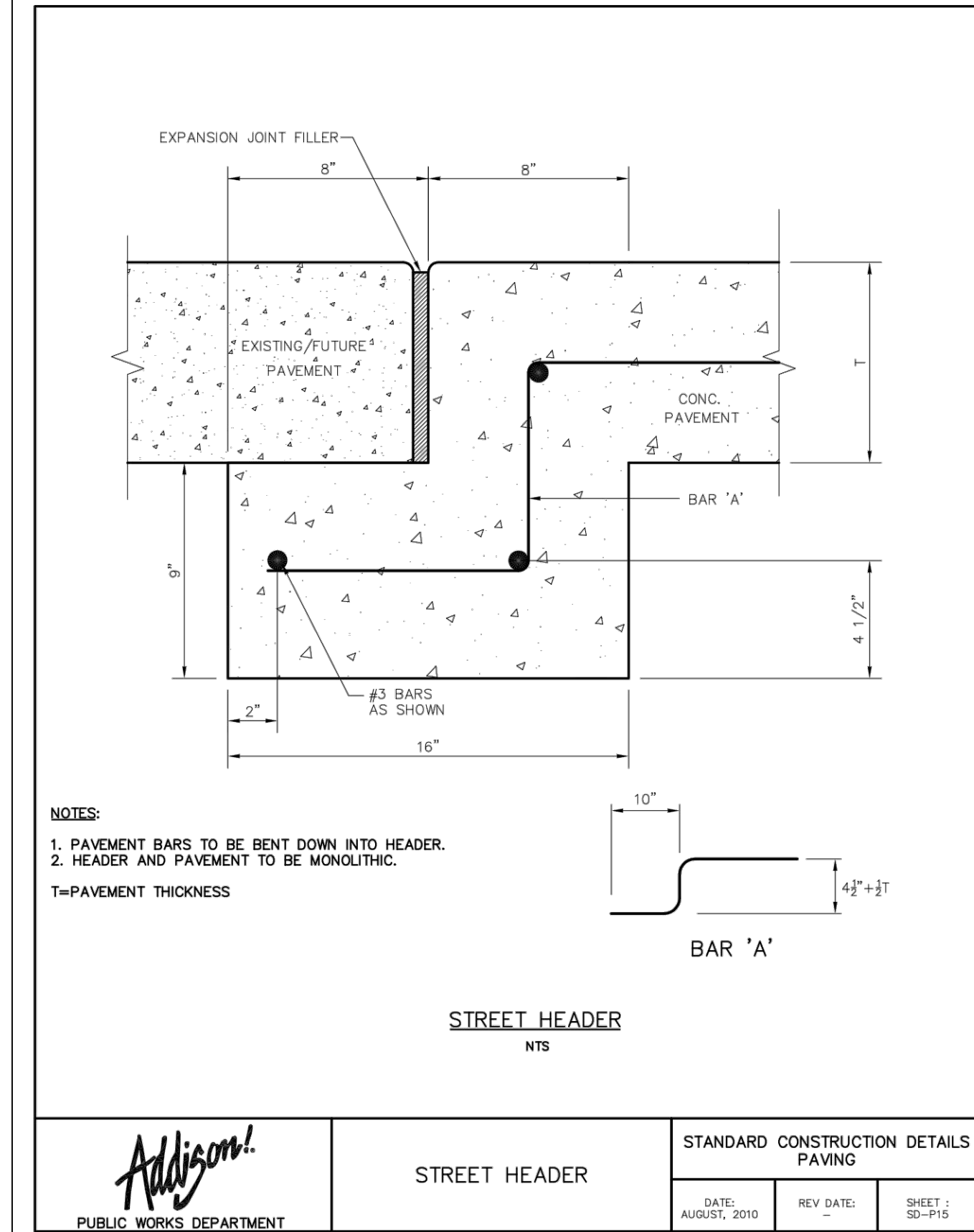
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6



3



8

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

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STATE OF TEXAS
 JOSEPH J. MARLO
 80953
 PROFESSIONAL ENGINEER

12/11/19

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

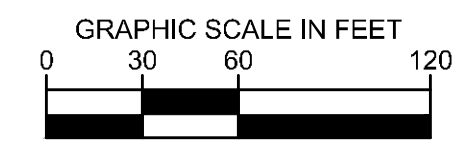
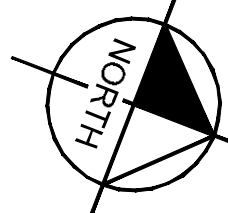
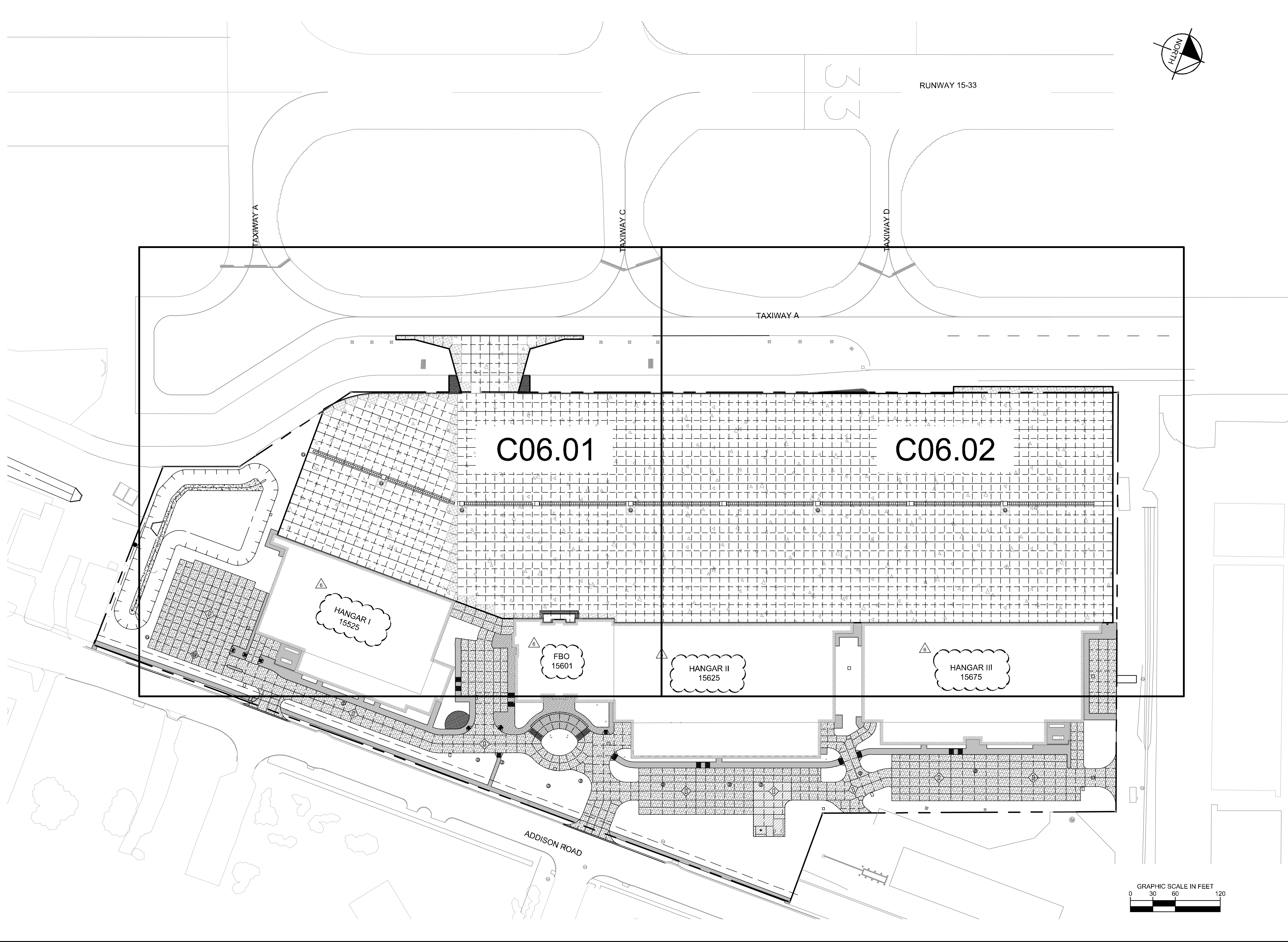
LANDSIDE PAVEMENT DETAILS

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 15601 ADDISON RD.
 PREPARED FOR:
BLACK FOREST VENTURE

ADDISON DALLAS, TEXAS

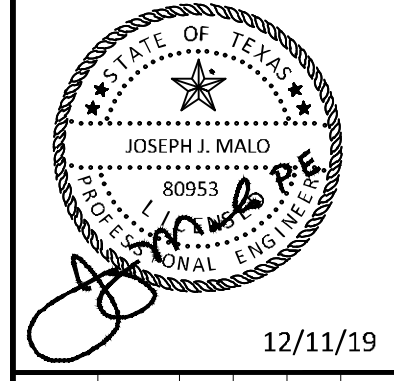
SHEET NUMBER
C05.06

Plotted By: Lamar, Morgan Street Set: KHA Layout: C06.00 December 12, 2019 05:46:30pm K:\V01_Aviation\067792503 - Addison Galaxy FBO\ACAD.dwg Sheets: C06.00 AIRSIDE_JOINT_LAYOUT_PLAN.dwg
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1	JM	09/10/2019	JM
2	JM	10/24/2019	JM
3	JM	12/11/2019	JM

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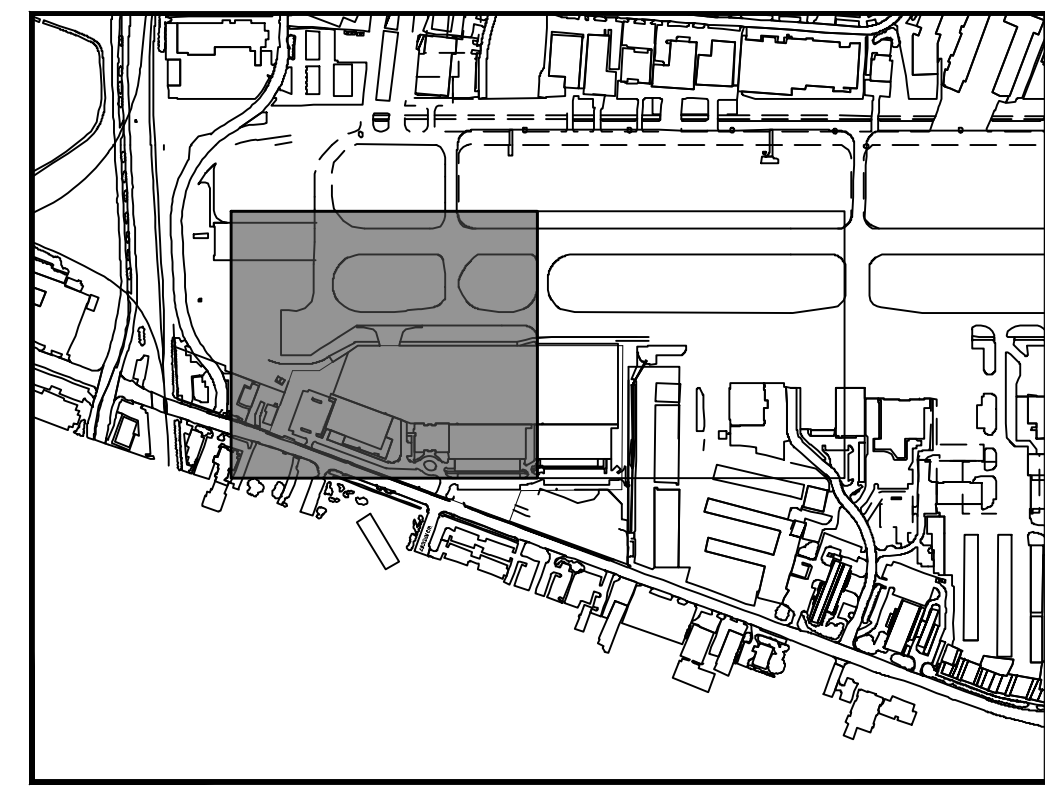
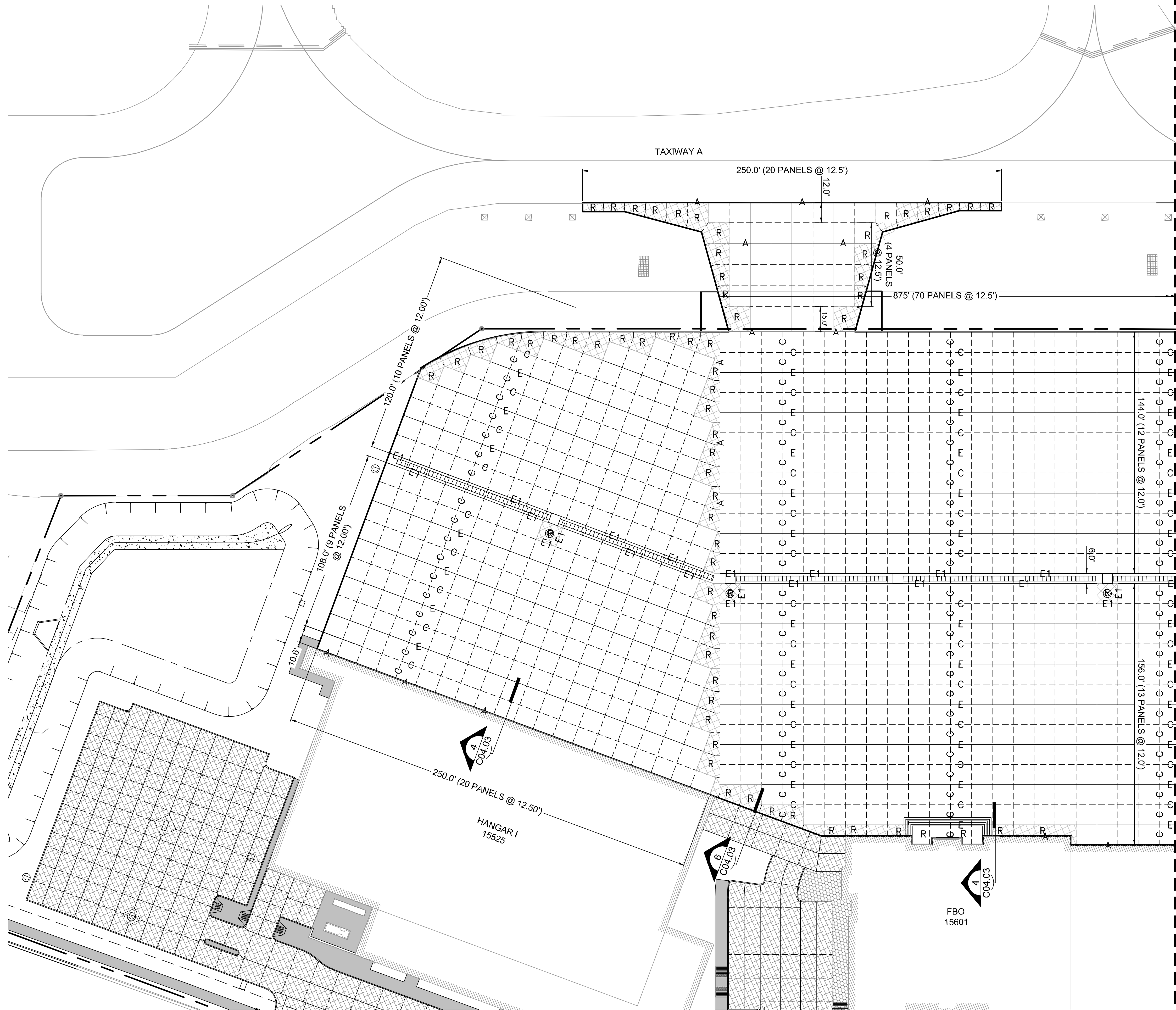
KHA PROJECT	067792503
DATE	12/11/2019
SCALE	AS SHOWN
DESIGNED BY	HCV
DRAWN BY	EC EAC
CHECKED BY	HCV

**AIRSIDE JOINT LAYOUT
 PLAN KEY MAP**

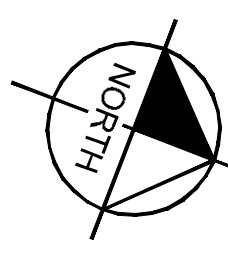
ADDISON GALAXY FBO
 15601 ADDISON RD.
 PREPARED FOR
BLACK FOREST VENTURE
 DALLAS, TEXAS

SHEET NUMBER
C06.00

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KEY PLAN

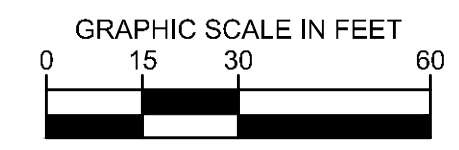


NOTES:

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

LEGEND

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

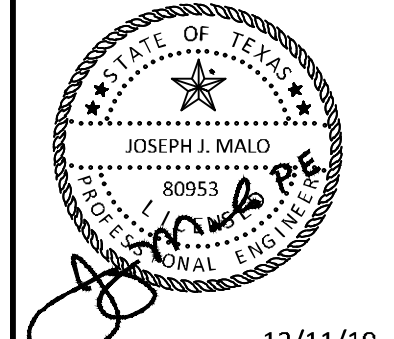


MATCHLINE SEE SHEET C06.02

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1	09/10/2019	JM
2	10/24/2019	JM
3	12/11/2019	JM

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

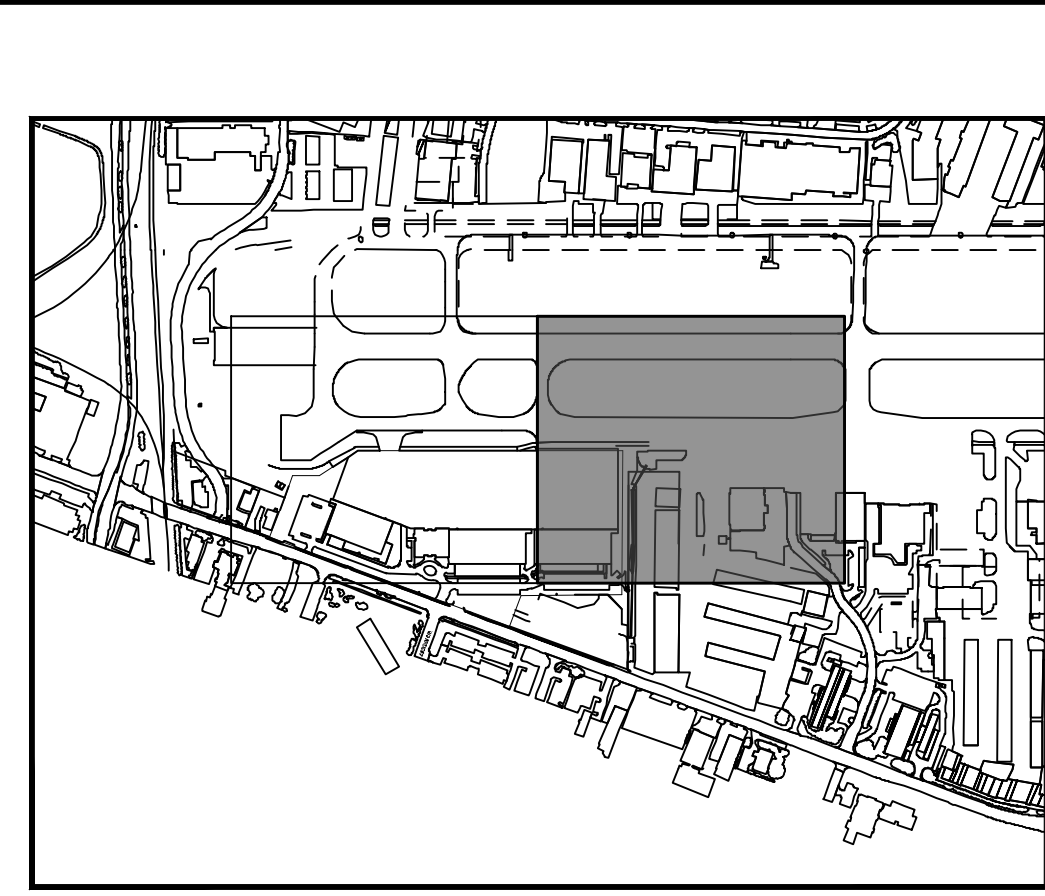
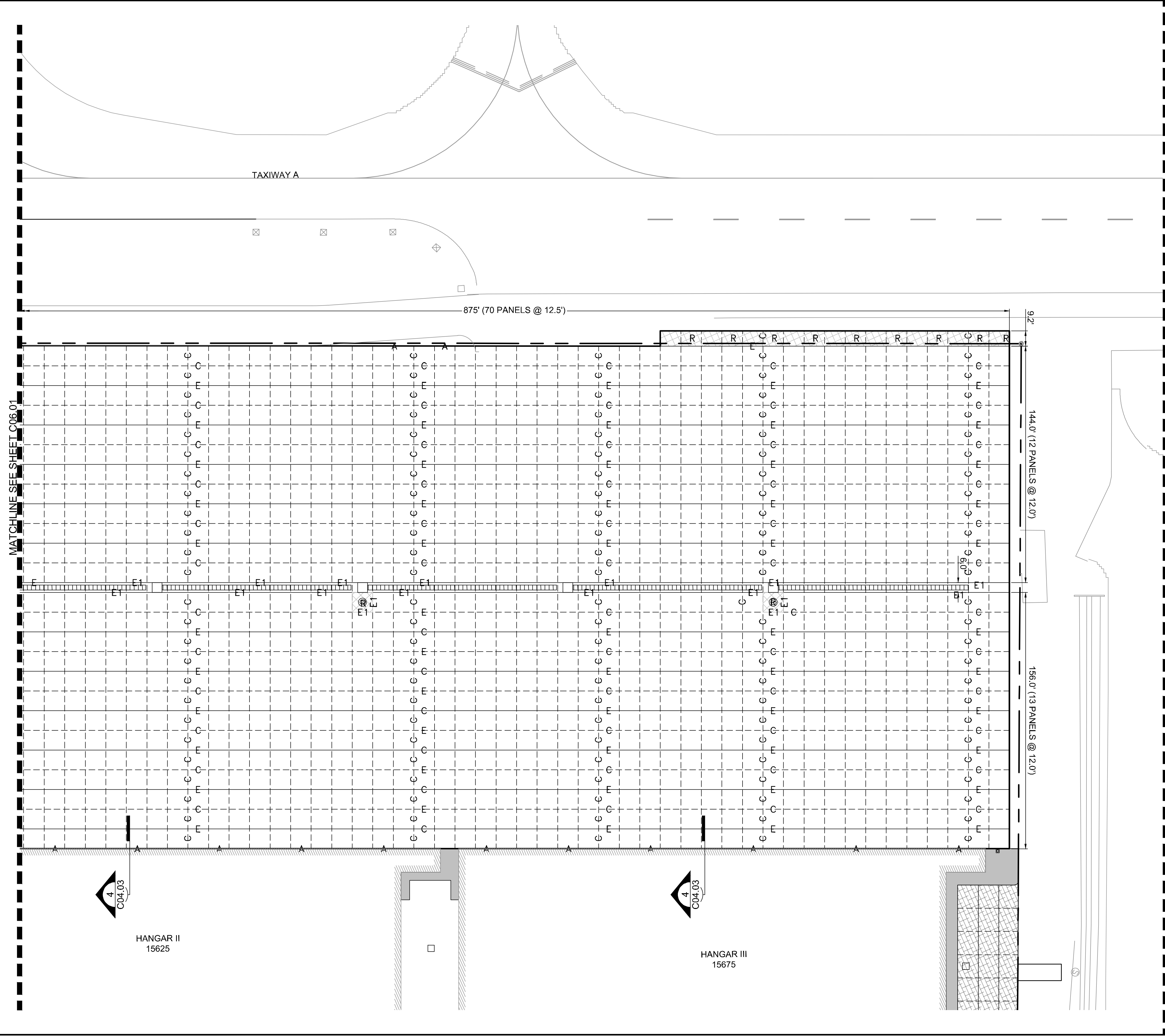
AIRSIDE JOINT LAYOUT PLAN

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

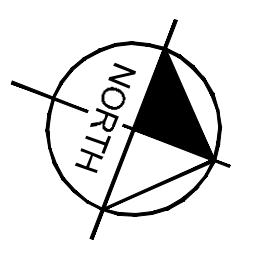
DALLAS, TEXAS

SHEET NUMBER
C06.01

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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.

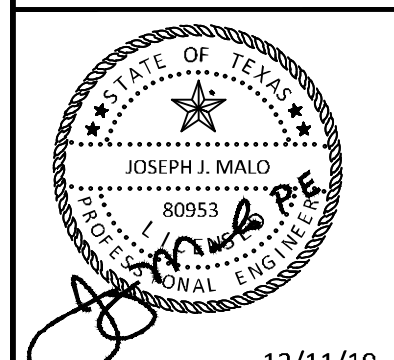
LEGEND

- 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

ADDENDUM #1	JM
1	09/10/2019
ADDENDUM #5	JM
2	10/24/2019
ADDENDUM #6	JM
3	12/11/2019

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

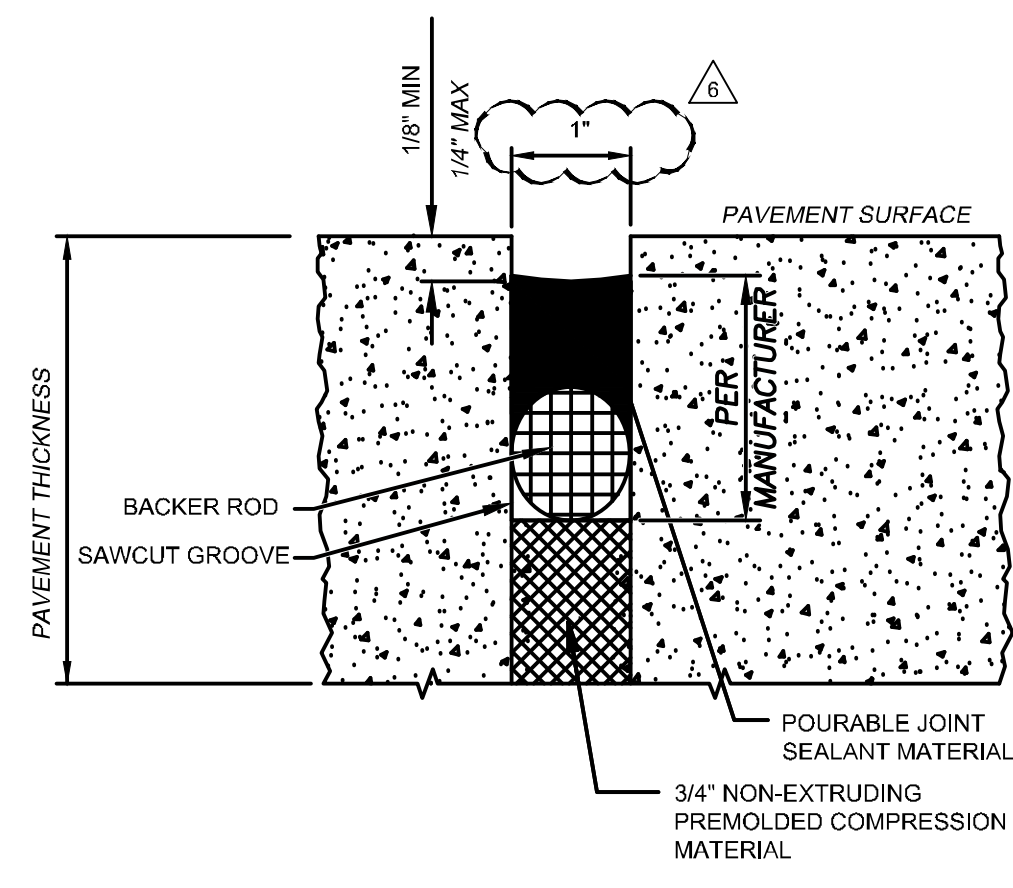
AIRSIDE JOINT LAYOUT PLAN

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

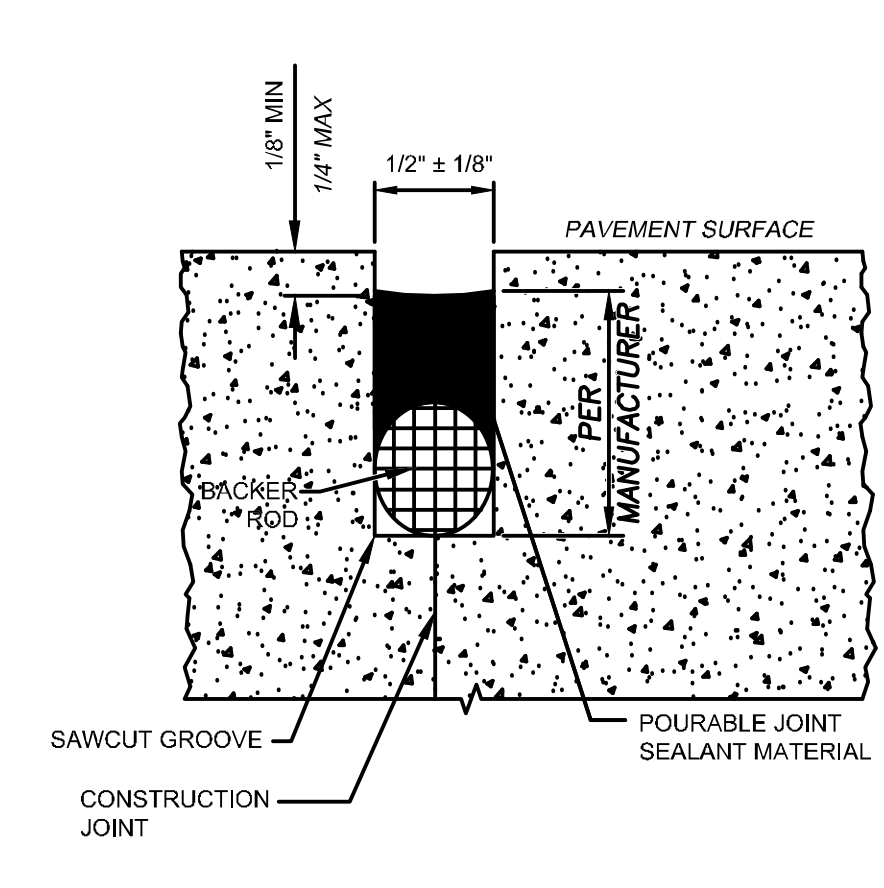
ADDISON DALLAS, TEXAS

SHEET NUMBER
C06.02

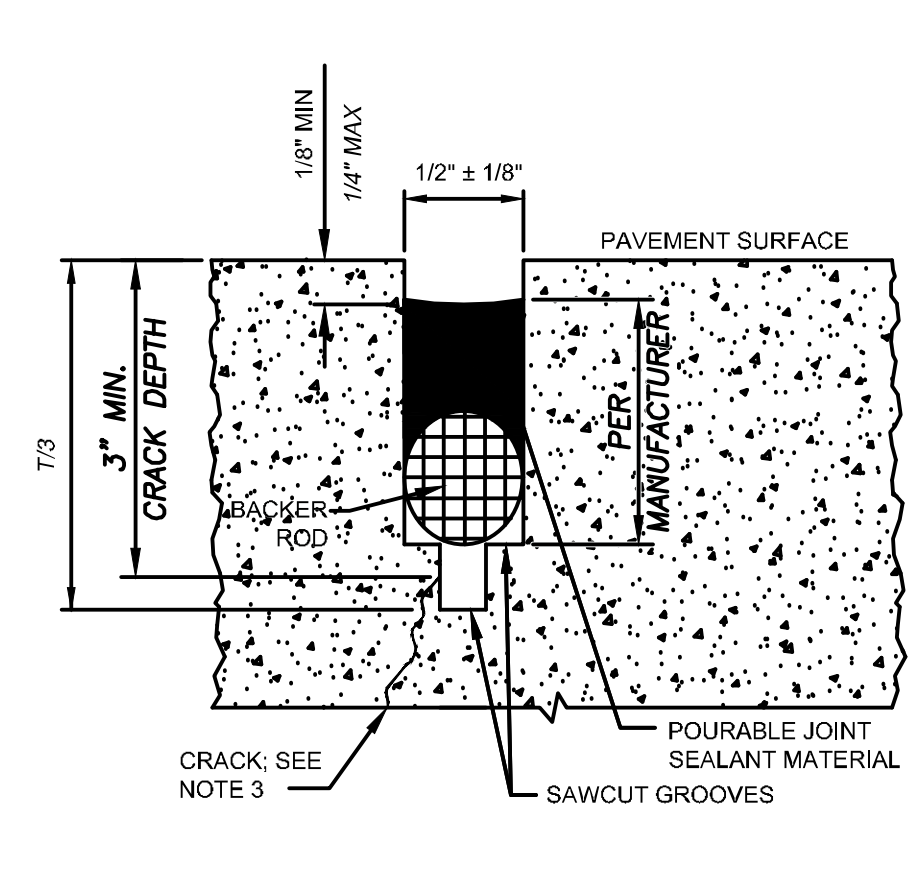
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EXPANSION / ISOLATION JOINT TYPE A
NOT TO SCALE



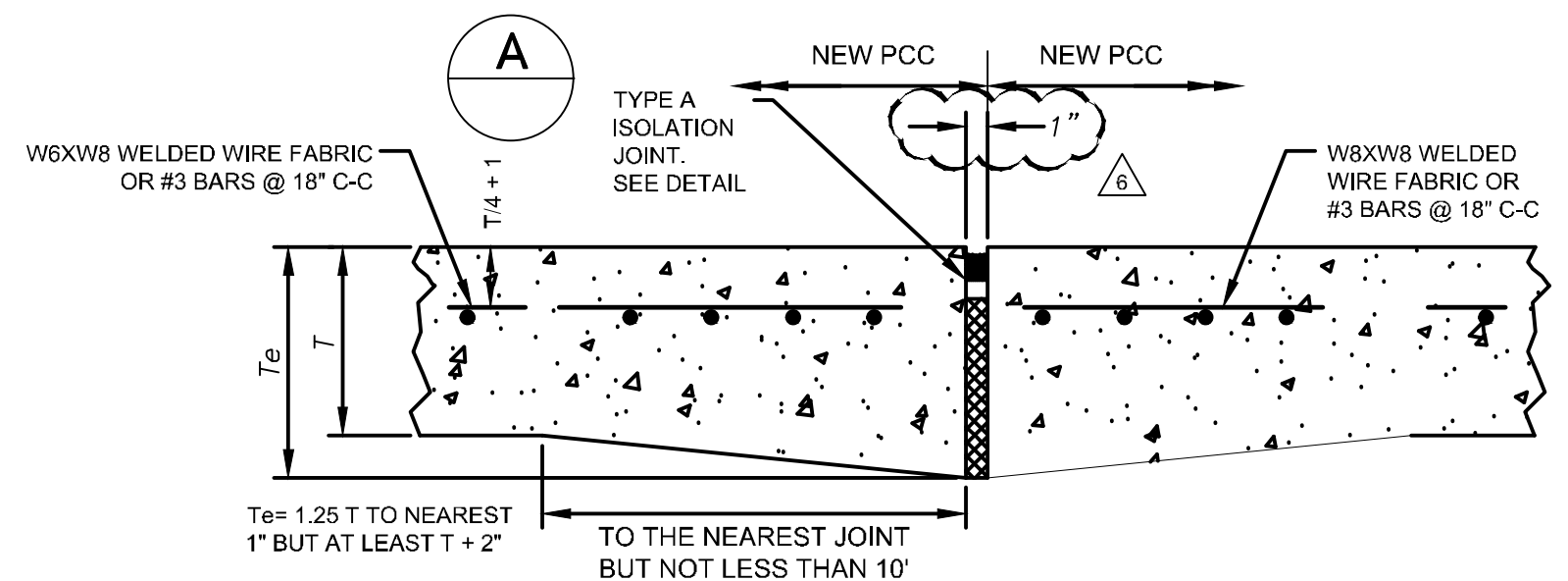
CONSTRUCTION JOINT TYPE E
NOT TO SCALE



CONTRACTION JOINT TYPE C AND TYPE D
NOT TO SCALE

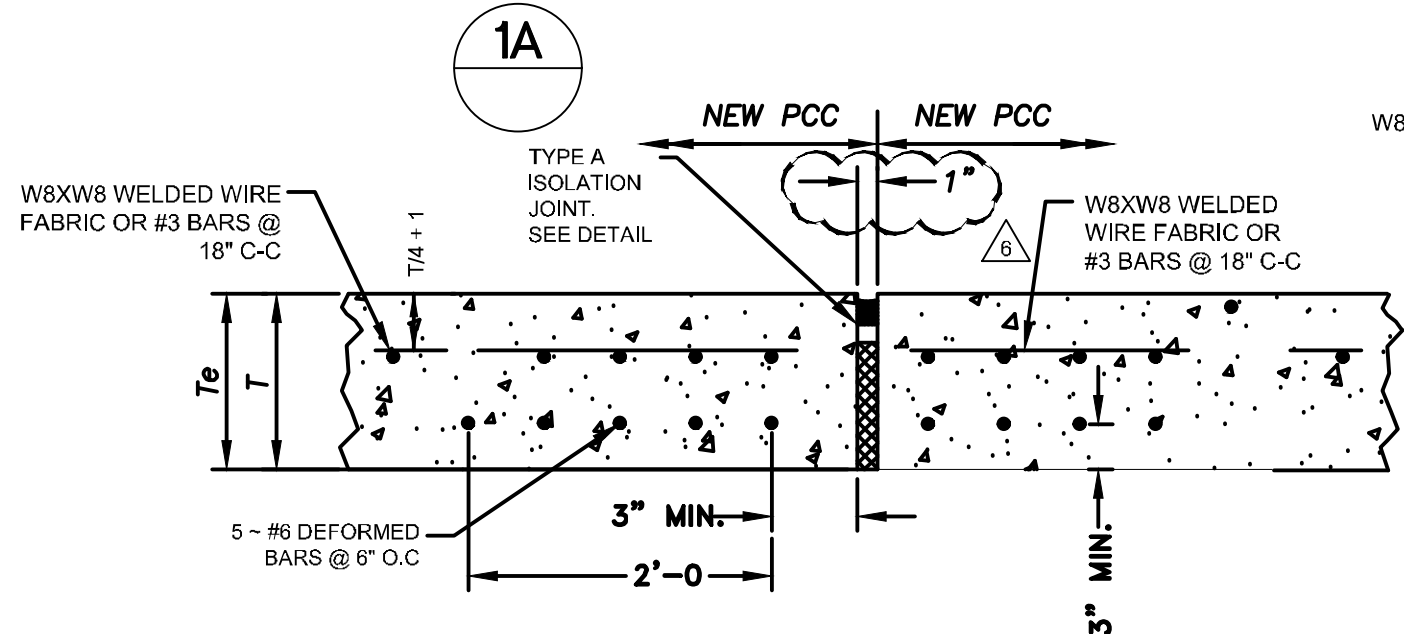
DETAILS OF JOINT SEALS IN PCC PAVEMENT

1
NOT TO SCALE



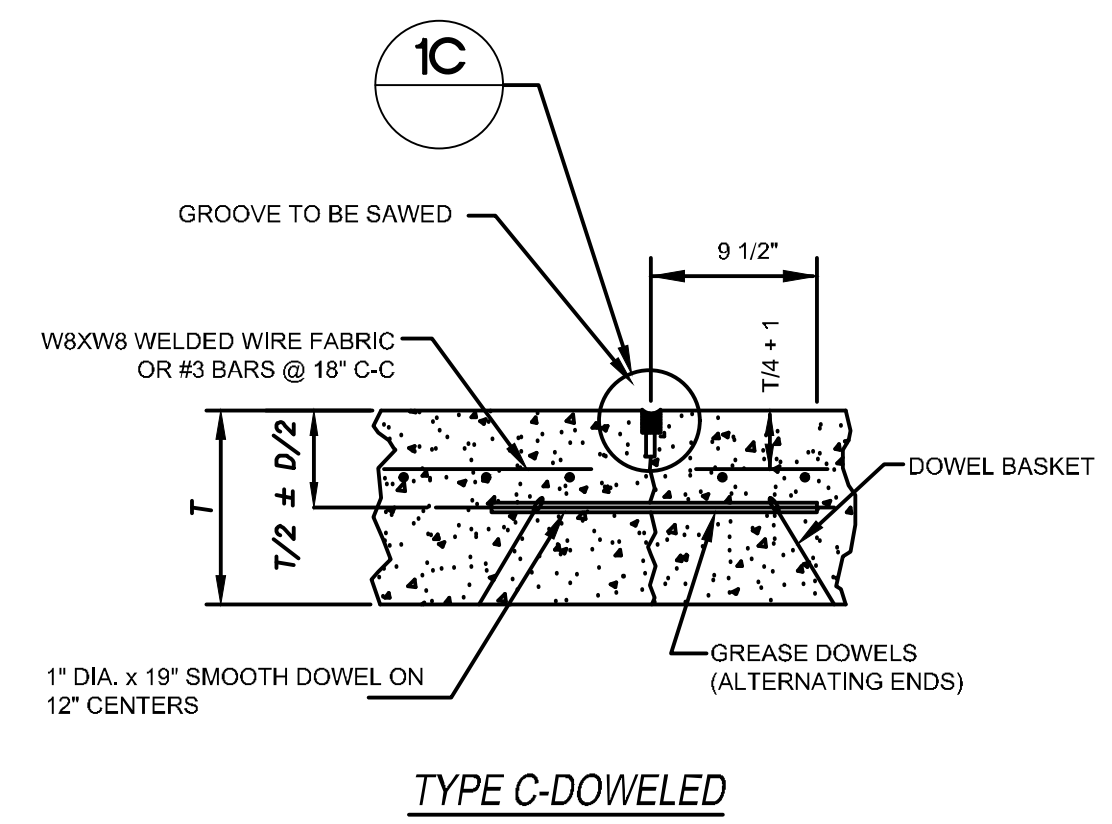
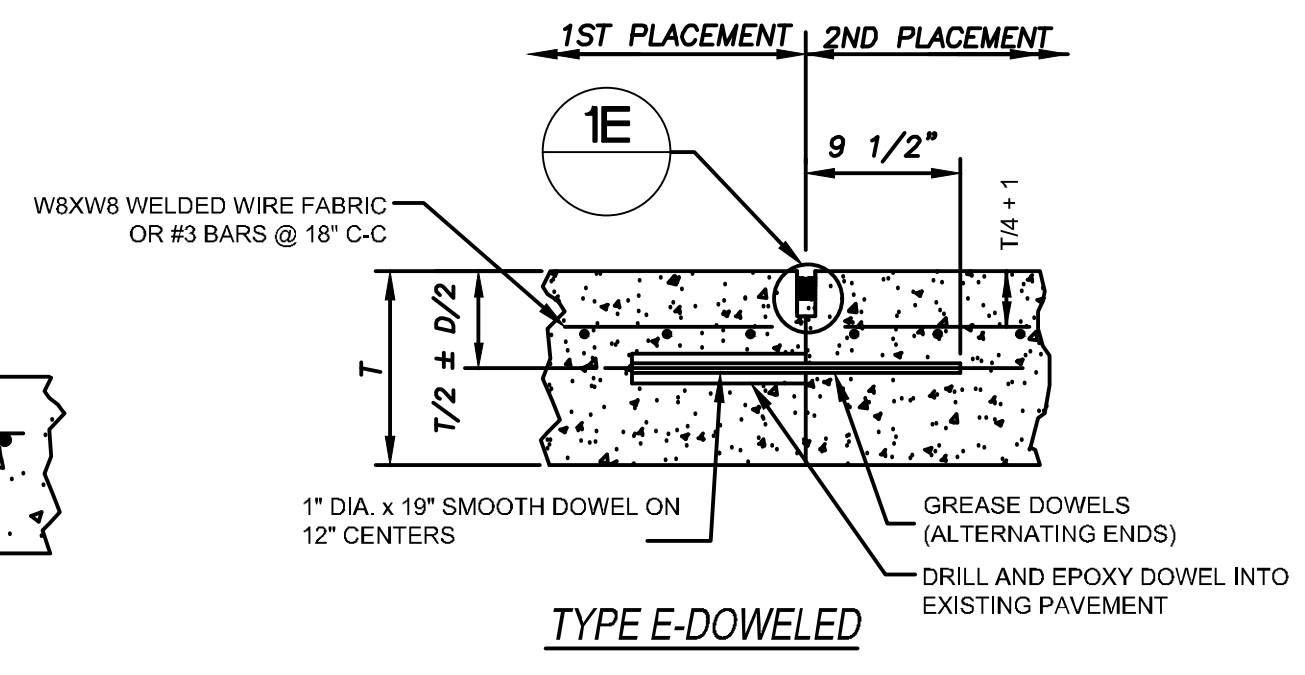
TYPE A THICKENED EDGE ISOLATION JOINT

2 ISOLATION JOINT
NOT TO SCALE



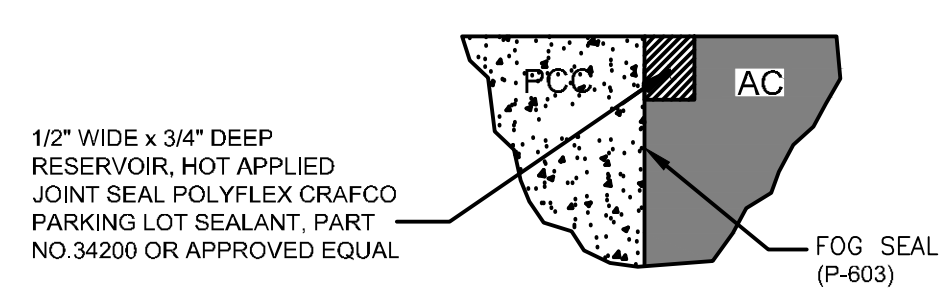
TYPE A1 REINFORCED EDGE ISOLATION JOINT (ALTERNATIVE TO THICKENED EDGE JOINT)

3 CONSTRUCTION JOINT
NOT TO SCALE

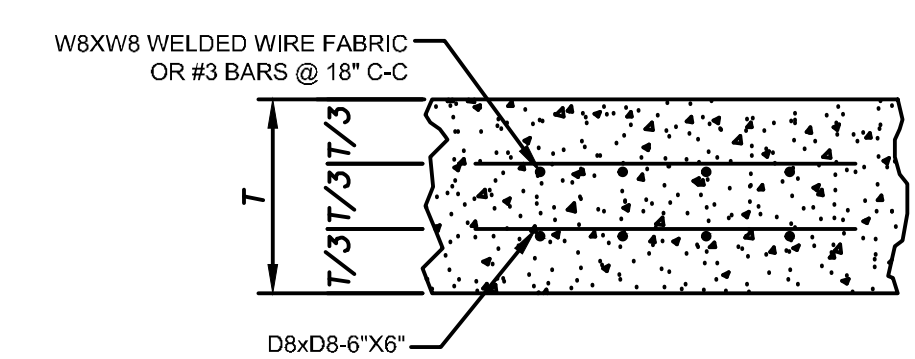


4 CONTRACTION JOINT
NOT TO SCALE

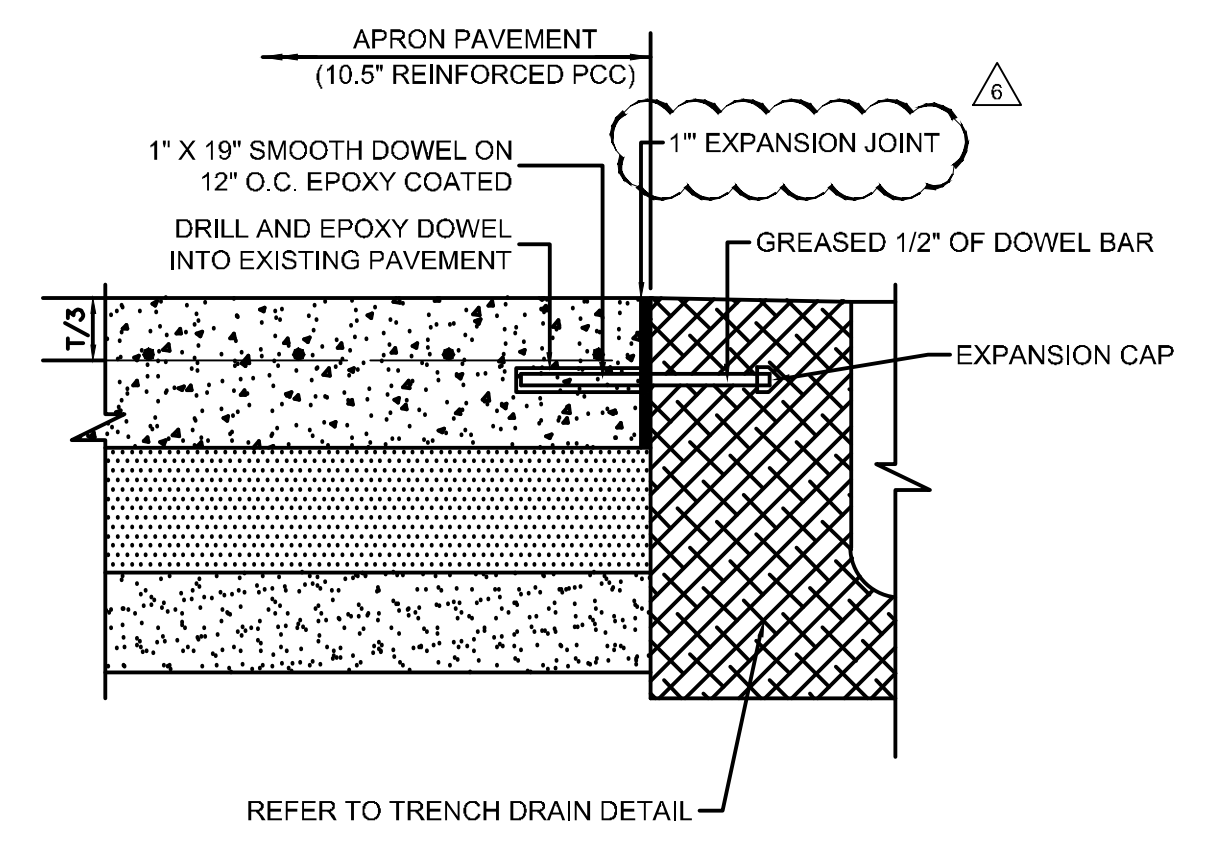
NOTE:
THE JOINT SEAL APPLIES TO ALL LOCATIONS WHERE NEW PCC AND NEW AC ARE ADJACENT TO EACH OTHER.



6 ASPHALT/PCC JOINT DETAIL
NOT TO SCALE



7 DOUBLE REINFORCED CONCRETE
NOT TO SCALE



8 TYPE E1 EXPANSION JOINT
N.T.S.

GENERAL NOTES:

- CONTRACTOR MAY INTERCHANGE CONSTRUCTION JOINTS AND CONTRACTION JOINTS PER OWNER APPROVED SHOP DRAWINGS.
- IF CONTRACTION CRACK IS LESS THAN 3" FROM TOP OF SURFACE, PANEL WILL BE EVALUATED FOR ACCEPTANCE BY THE OWNER.
- SEALANT RESERVOIR SHALL BE SIZED TO PROVIDE PROPER SHAPE FACTOR, WIDTH/DEPTH, PER MANUFACTURER'S RECOMMENDATION.
- 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:

- 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 +1/2".
- 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.
- 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.
- EPOXY OPERATION TO BE PERFORMED IN A MANNER THAT ALL VOIDS AROUND THE BAR ARE COMPLETELY FILLED WITH EPOXY.

T = 10.5"

ADDENDUM #1	ADDENDUM #5	ADDENDUM #6	NO.	REVISIONS	DATE	BY
1						
2						
3						
4						

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STATE OF TEXAS
 JOSEPH J. MALLO
 80953
 PROFESSIONAL ENGINEER
 12/11/19

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

AIRSIDE JOINT DETAILS

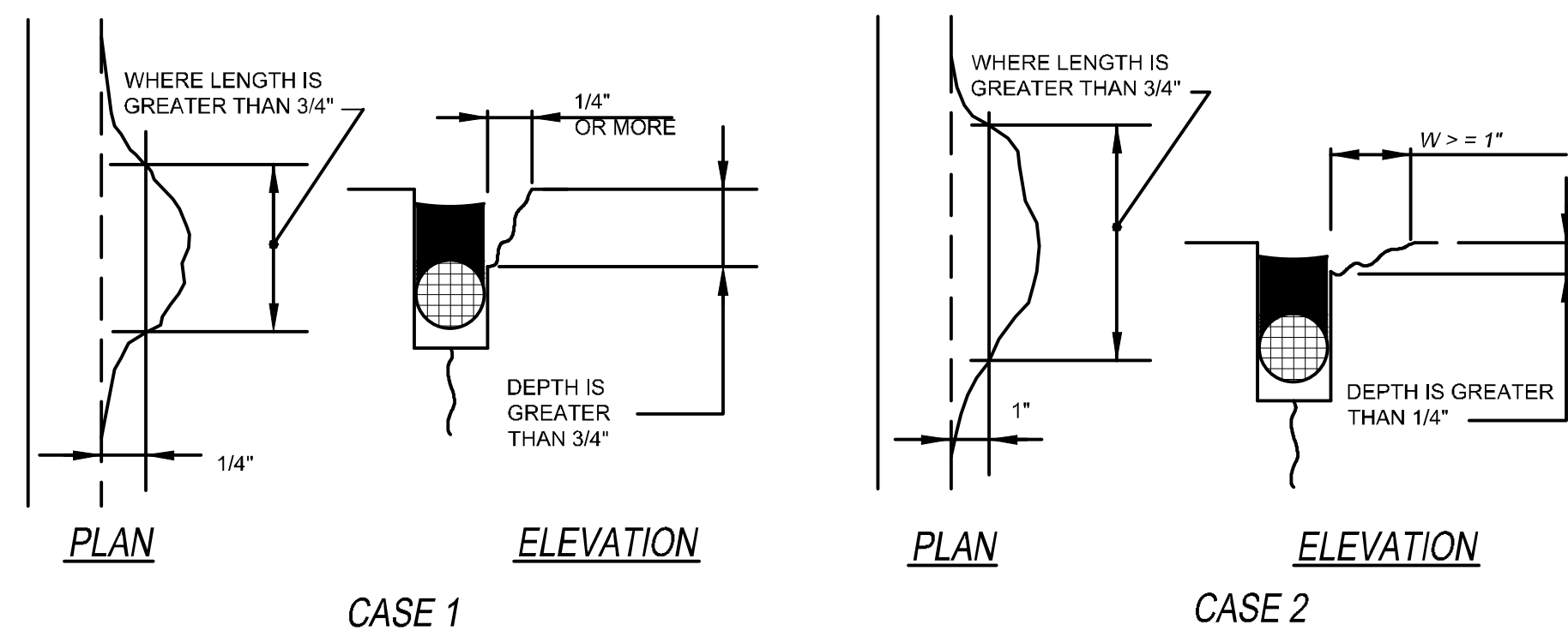
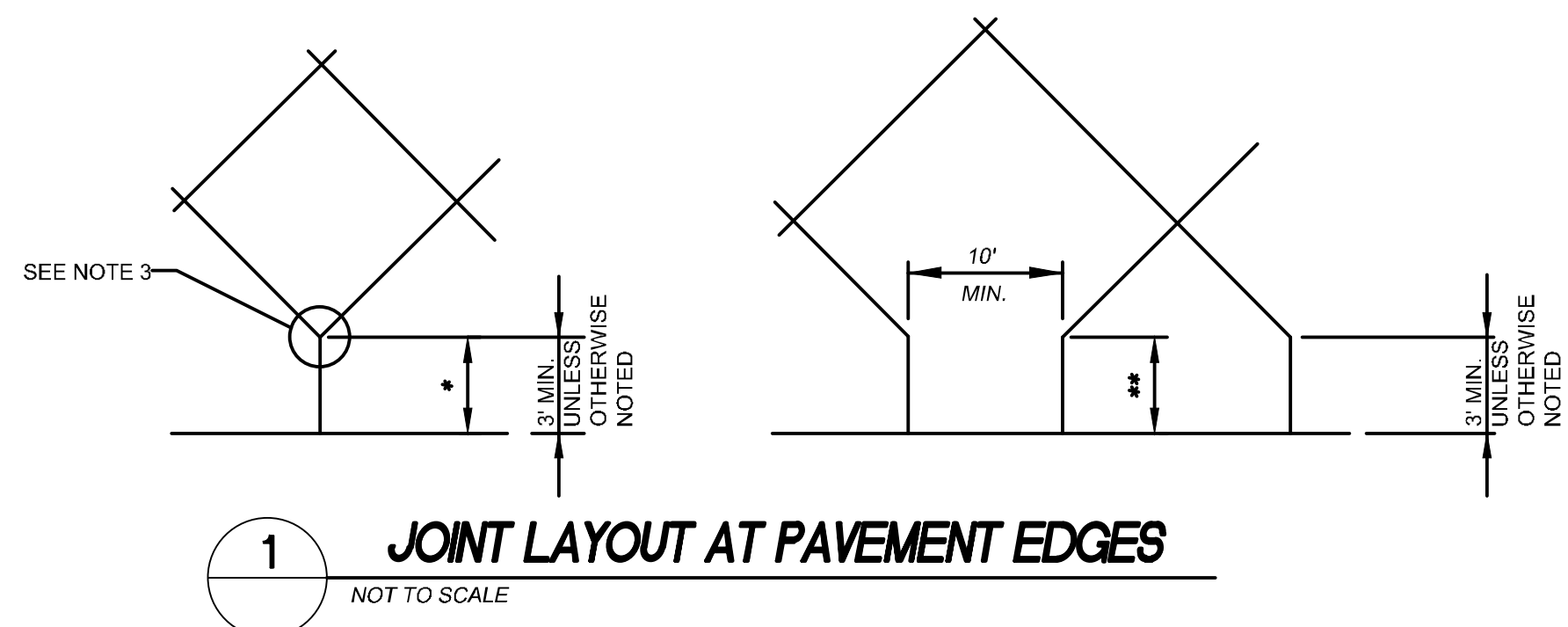
ADDISON GALAXY FBO
 15601 ADDISON RD.
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 DALLAS, TEXAS
 ADDISON

SHEET NUMBER
C06.03

Plotted By: Lamiar, Morgan Street Set: kha Layout: C06.04 December 12, 2019 05:46:54pm K:\WDL_Aviation\067792503 - Addison Galaxy FBO\ACAD.dwg Sheets\C06.00 AIRSIDE JOINT DETAIL.dwg
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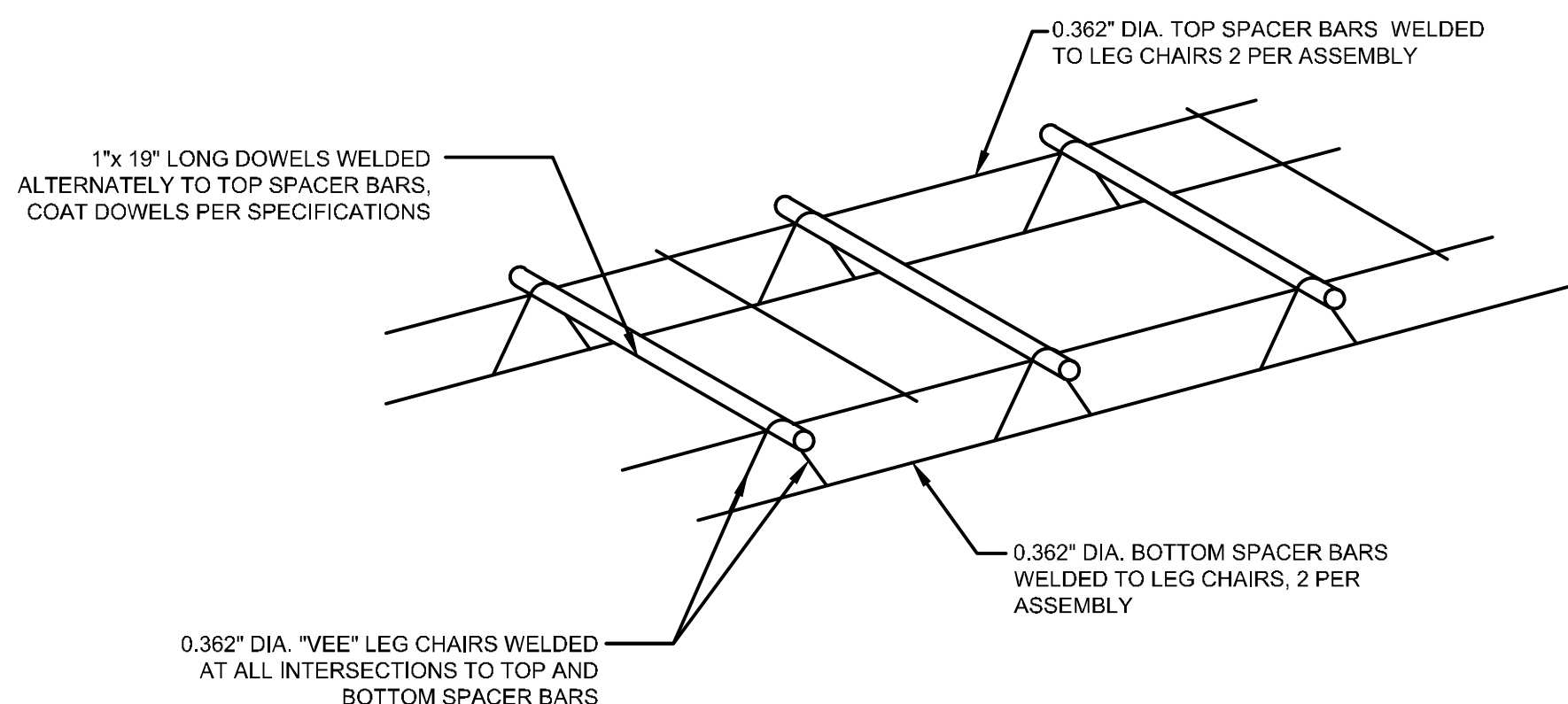
NOTES:

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.



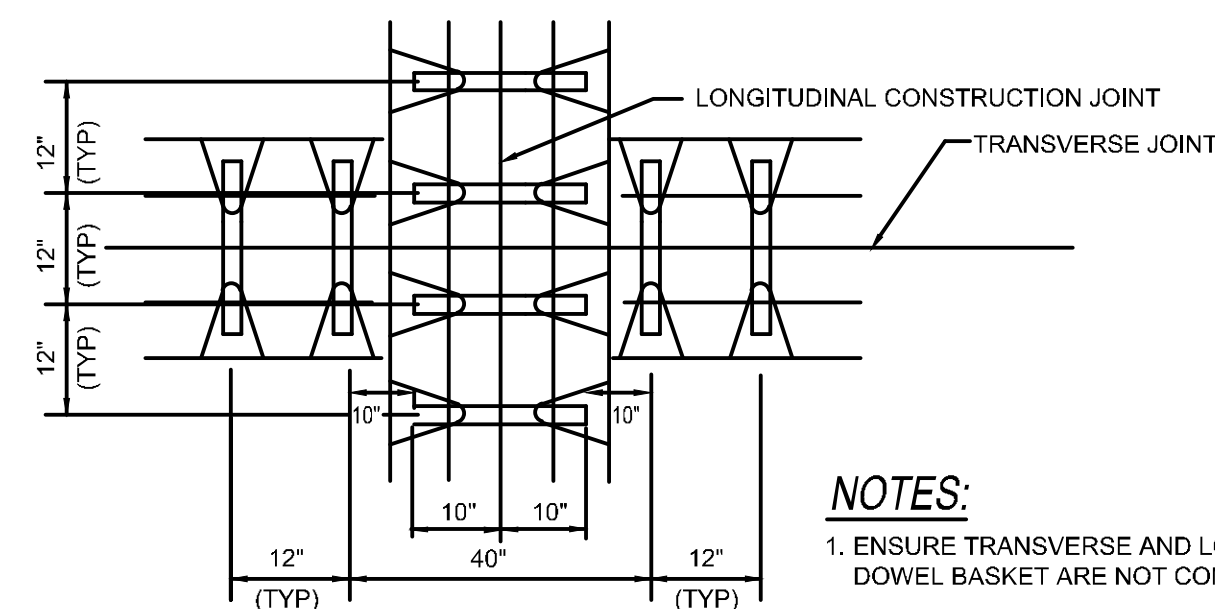
NOTES:

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.



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.



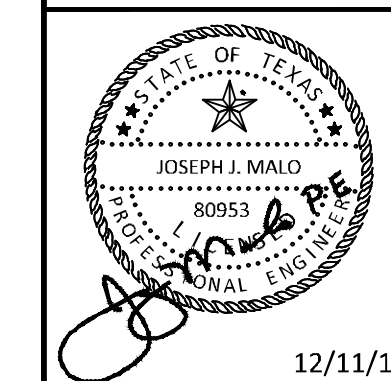
NOTES:

1. ENSURE TRANSVERSE AND LONGITUDINAL DOWEL BASKET ARE NOT CONNECTED

ADDENDUM #1	ADDENDUM #5	ADDENDUM #6	DATE	BY
			09/10/2019	JM
			10/24/2019	JM
			12/11/2019	JM

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

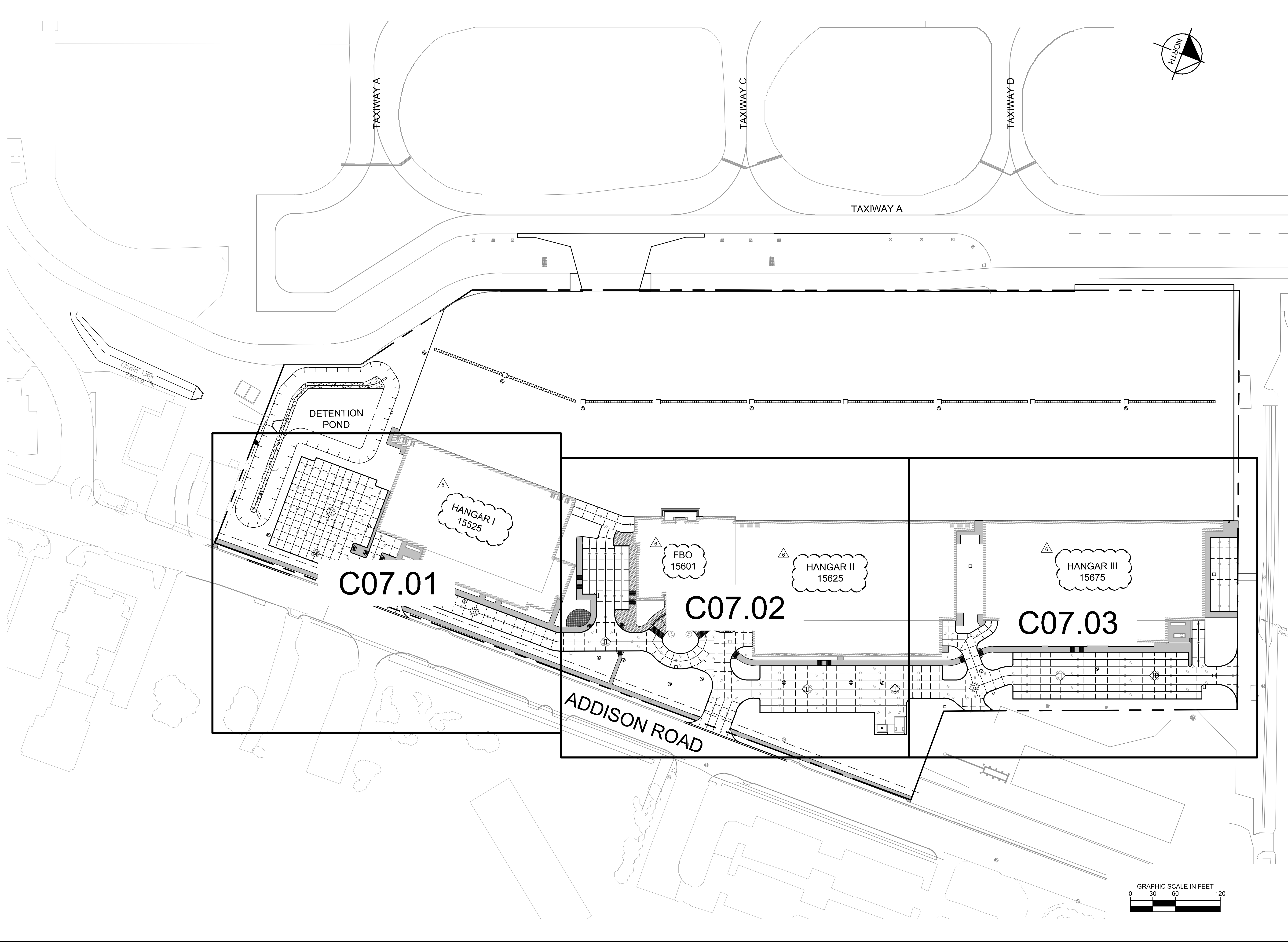
AIRSIDE JOINT DETAILS

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

ADDISON DALLAS, TEXAS

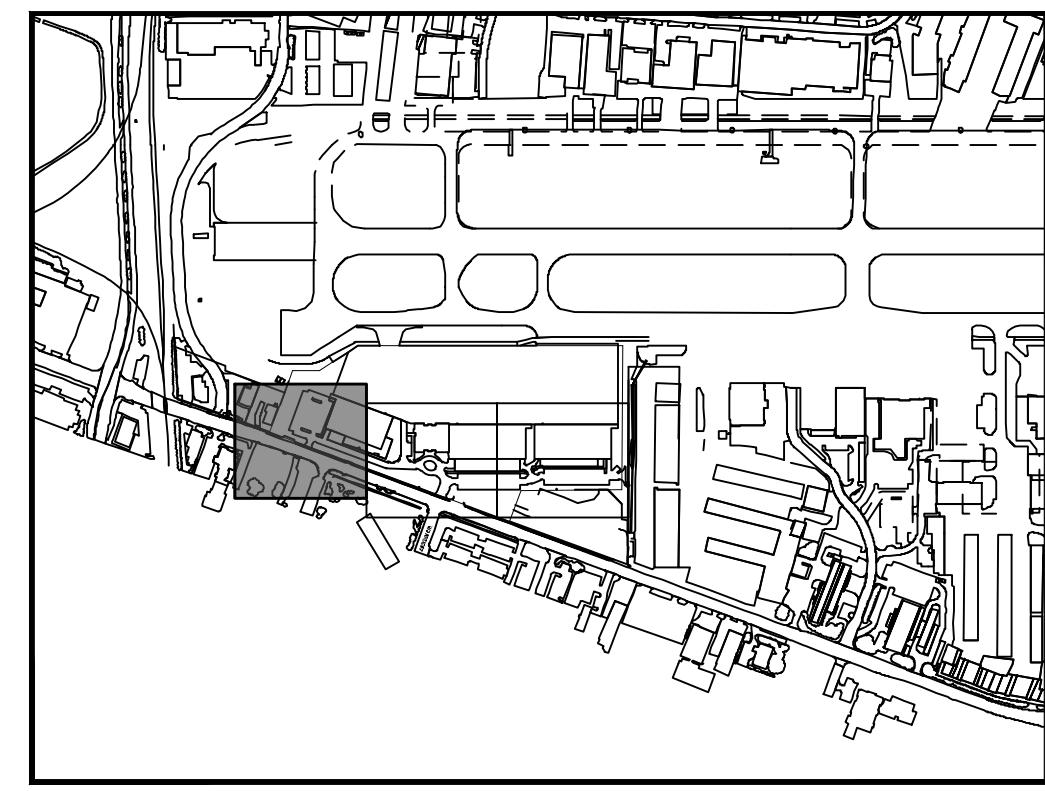
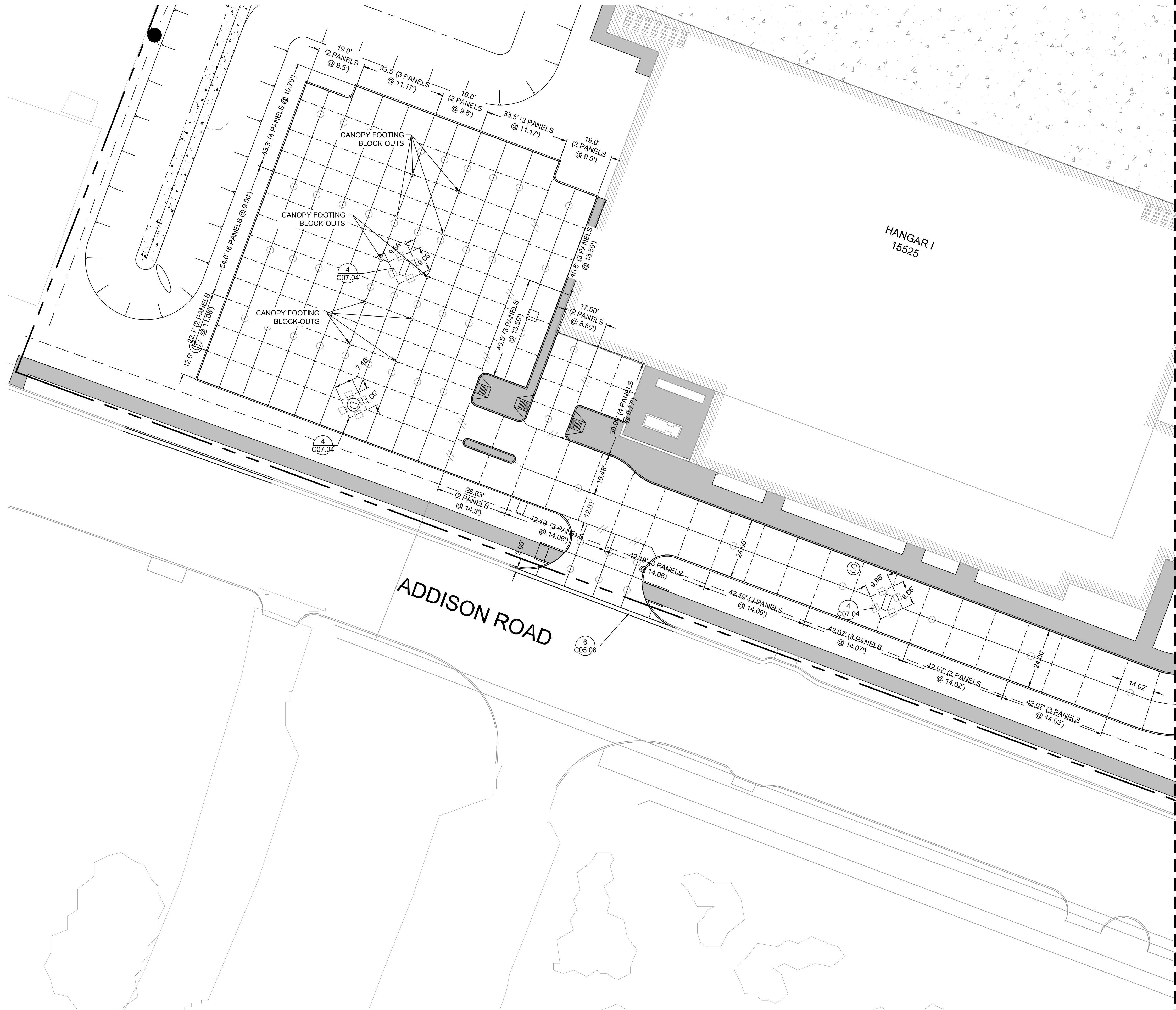
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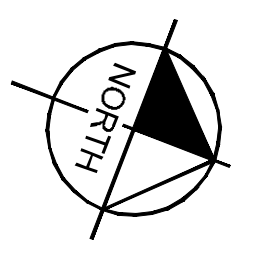


ADDISON GALAXY FBO 15601 ADDISON RD. PREPARED FOR BLACK FOREST VENTURE	LANDSIDE JOINT LAYOUT PLAN KEY MAP	KHA PROJECT 067792503	DATE 12/11/2019	SCALE AS SHOWN	DESIGNED BY HCV	DRAWN BY EC EAC	CHECKED BY HCV	KIMLEY-HORN AND ASSOCIATES, INC. 1400 WOODCOCK FOREST DRIVE, SUITE 225 FORT WORTH, TEXAS 76104 PHONE: 817-475-2816 TBPE FIRM REGISTRATION F-928 WWW.KIMLEY-HORN.COM	ADDISON DALLAS, TEXAS	
		SHEET NUMBER C07.00	REVISIONS No. DATE BY	ADDENDUM #1 09/10/2019 JM	ADDENDUM #5 10/24/2019 JM	ADDENDUM #6 12/11/2019 JM	ADDENDUM #6 12/11/2019 JM	ADDENDUM #6 12/11/2019 JM	ADDENDUM #6 12/11/2019 JM	ADDENDUM #6 12/11/2019 JM
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KEY PLAN

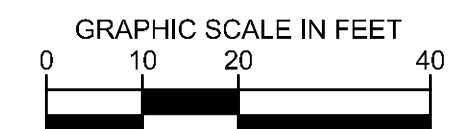


NOTES:

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

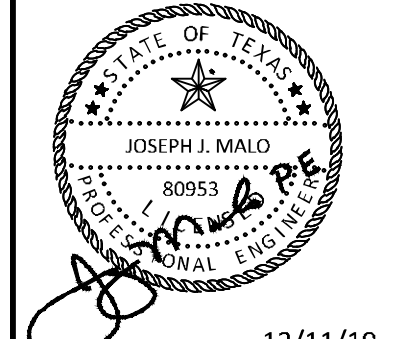
- //— TRANSVERSE EXPANSION JOINT (NO DOWEL BARS TO BE INSTALLED)
- LONGITUDINAL BUTT JOINT
- TRANSVERSE EXPANSION JOINT AROUND INLET
- - - SAWED DUMMY JOINT



MATCHLINE SEE SHEET C07.02

ADDENDUM #1	JM	DATE	BY
1	JM	09/10/2019	JM
2	JM	10/24/2019	JM
3	JM	12/11/2019	JM

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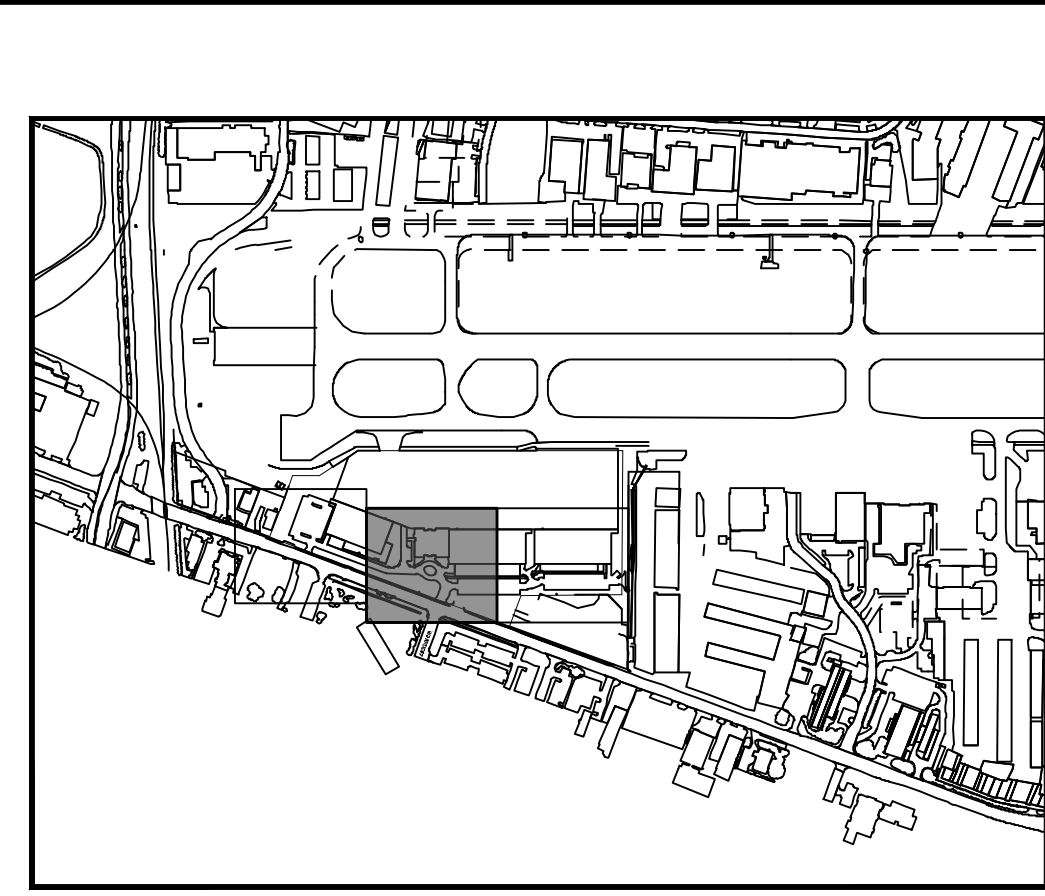
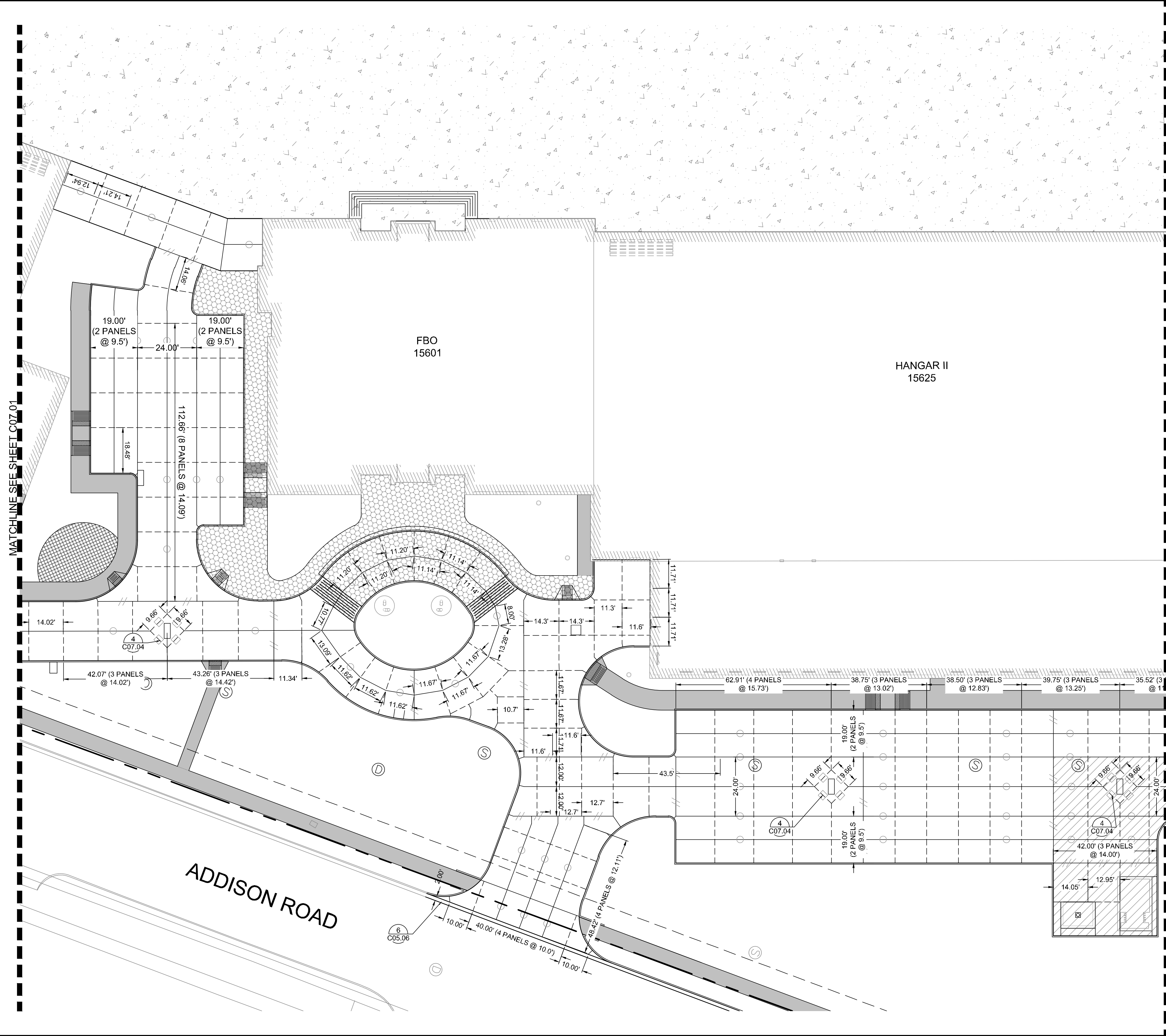
KHA PROJECT	DATE	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY
067792503	12/11/2019	AS SHOWN	HCV	EAC	HCV

**LANDSIDE JOINT
LAYOUT PLAN**

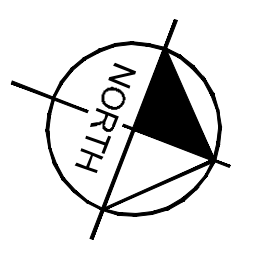
ADDISON GALAXY FBO
 15601 ADDISON RD.
 PREPARED FOR
BLACK FOREST VENTURE
 DALLAS, TEXAS

SHEET NUMBER
C07.01

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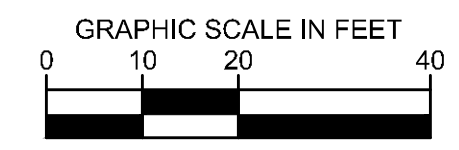
MATCHLINE SEE SHEET C07.03

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

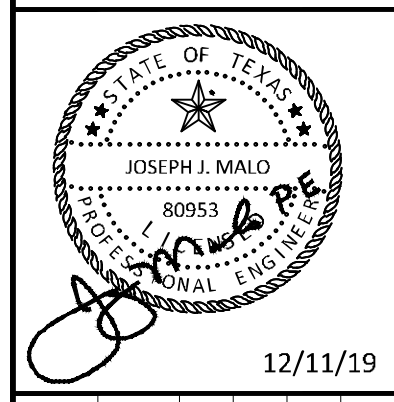
- TRANSVERSE EXPANSION JOINT (NO DOWEL BARS TO BE INSTALLED)
- LONGITUDINAL BUTT JOINT
- TRANSVERSE EXPANSION JOINT AROUND INLET
- SAWED DUMMY JOINT



ADDENDUM #	DATE	BY
1	09/10/2019	JM
2	10/24/2019	JM
3	12/11/2019	JM

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067792503	12/11/2019	AS SHOWN	HCV	EAC	HCV

LANDSIDE JOINT LAYOUT PLAN

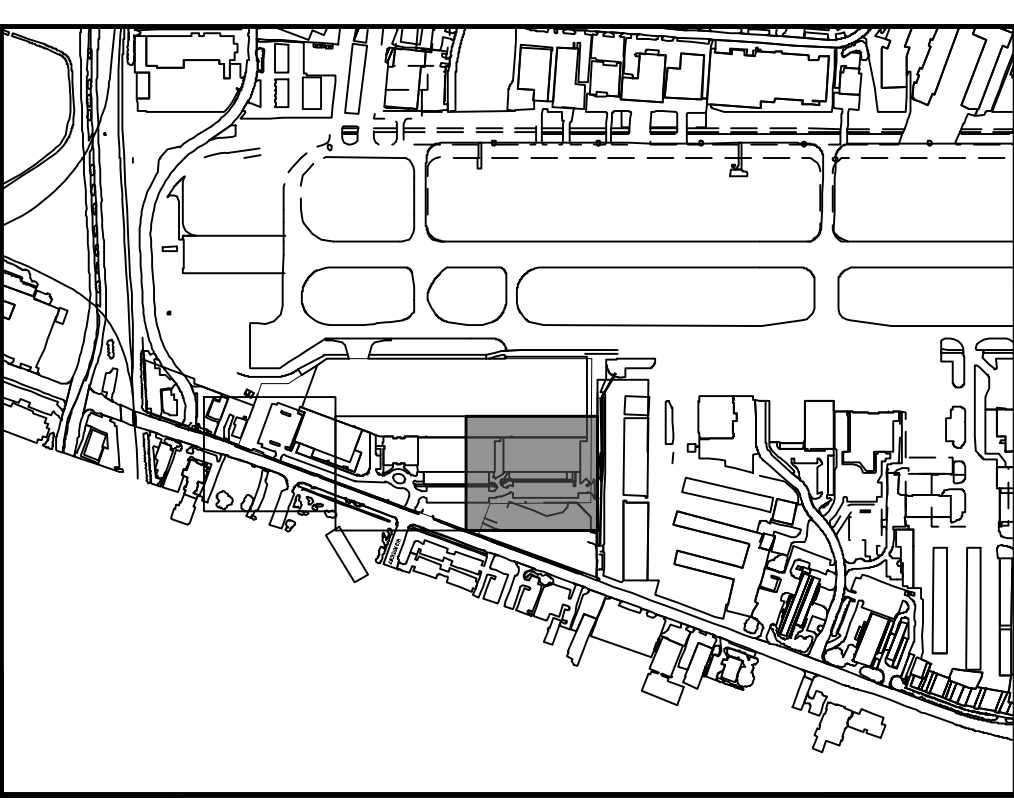
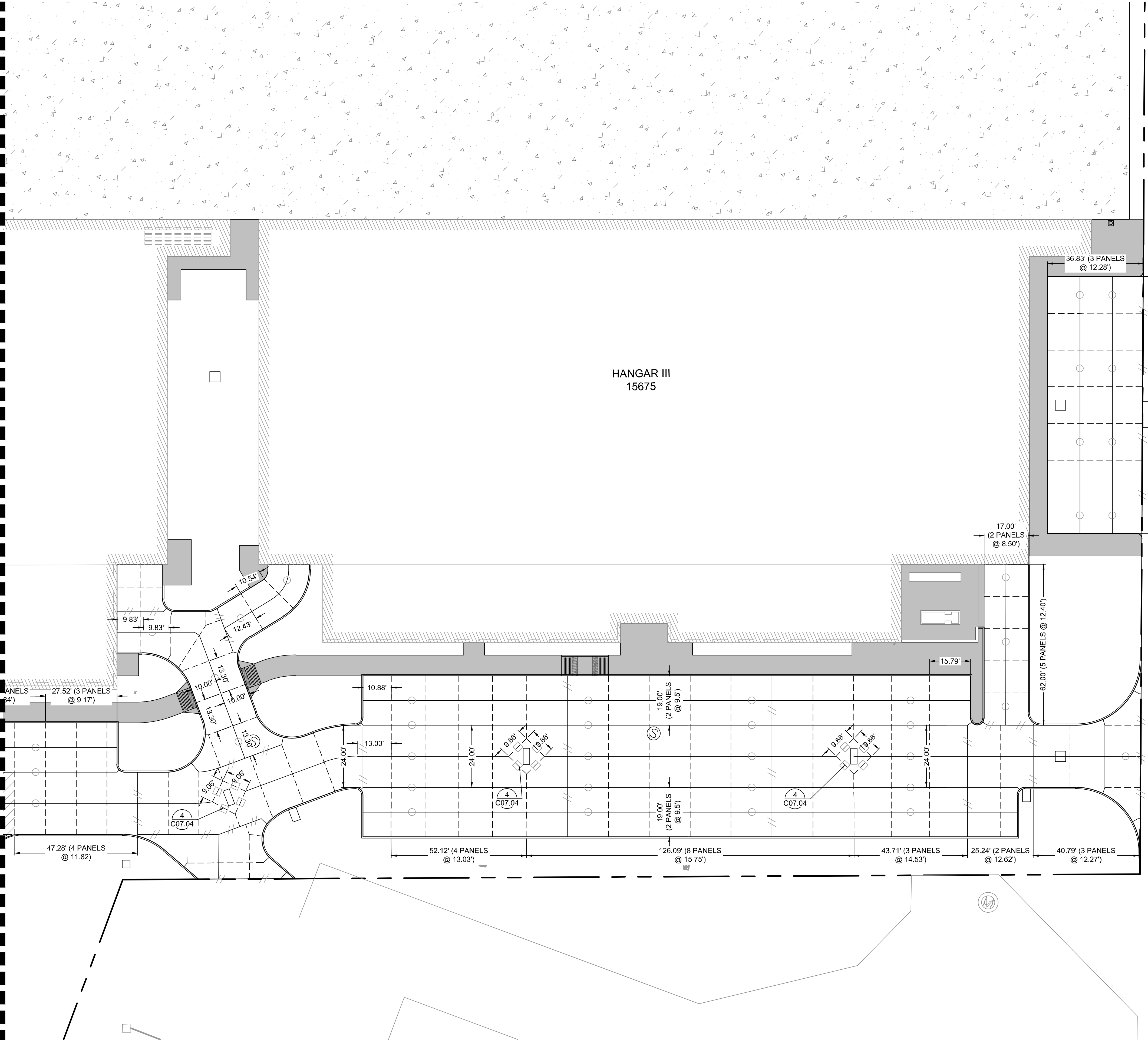
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 15601 ADDISON RD.
 PREPARED FOR
BLACK FOREST VENTURE

ADDISON DALLAS, TEXAS

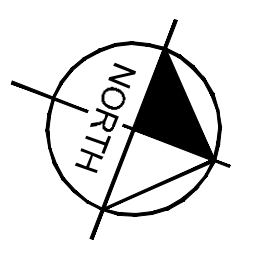
SHEET NUMBER
C07.02

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MATCHLINE SEE SHEET C07.02



KEY PLAN

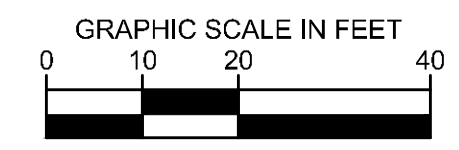


NOTES:

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

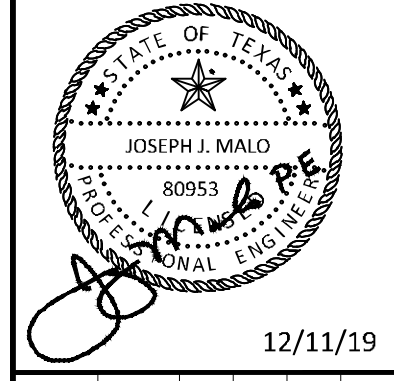
- TRANSVERSE EXPANSION JOINT (NO DOWEL BARS TO BE INSTALLED)
- LONGITUDINAL BUTT JOINT
- TRANSVERSE EXPANSION JOINT AROUND INLET
- SAWED DUMMY JOINT



ADDENDUM #1	DATE	BY
1	09/10/2019	JM
2	10/24/2019	JM
3	12/11/2019	JM

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 WWW.KIMLEY-HORN.COM



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

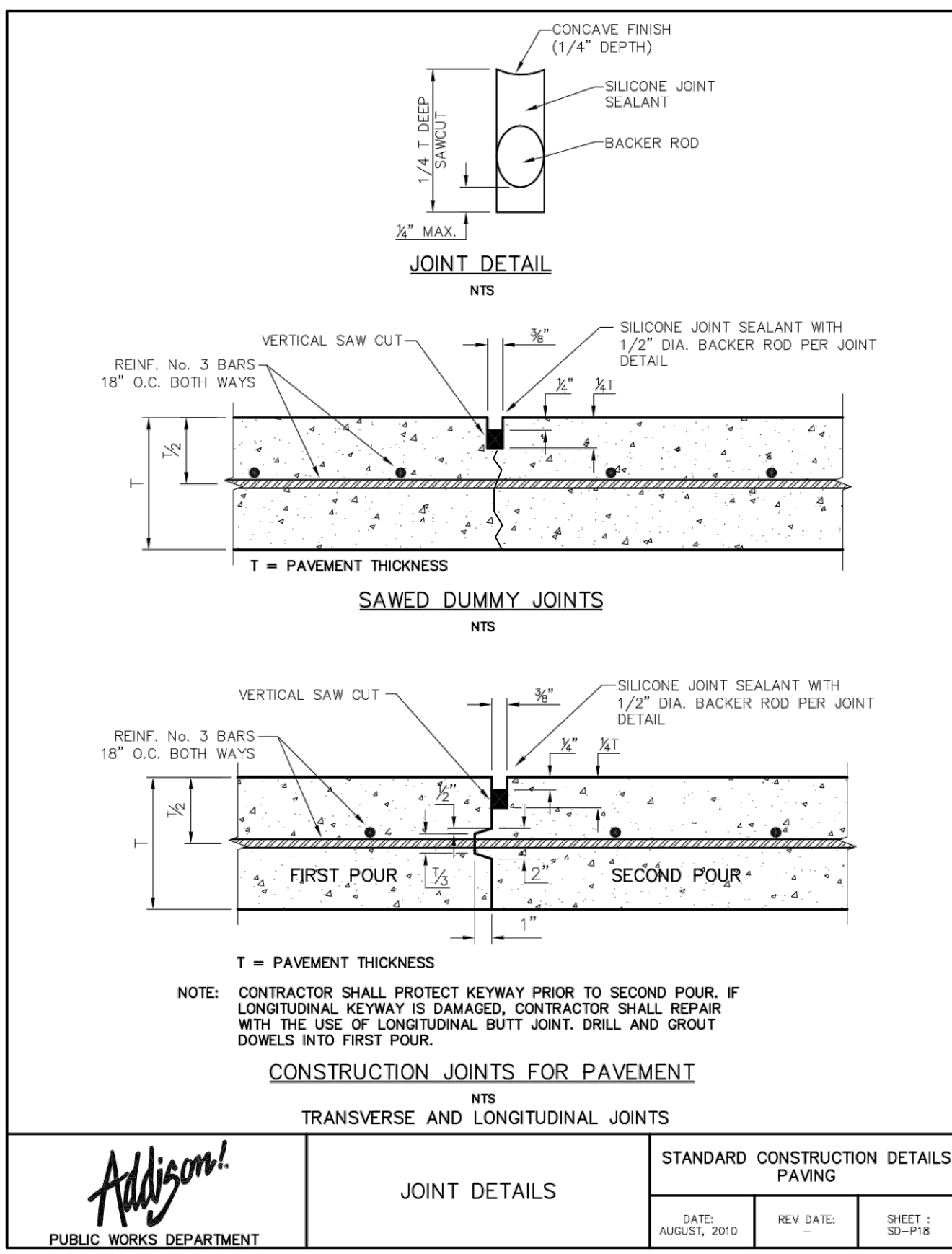
LANDSIDE JOINT LAYOUT PLAN

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

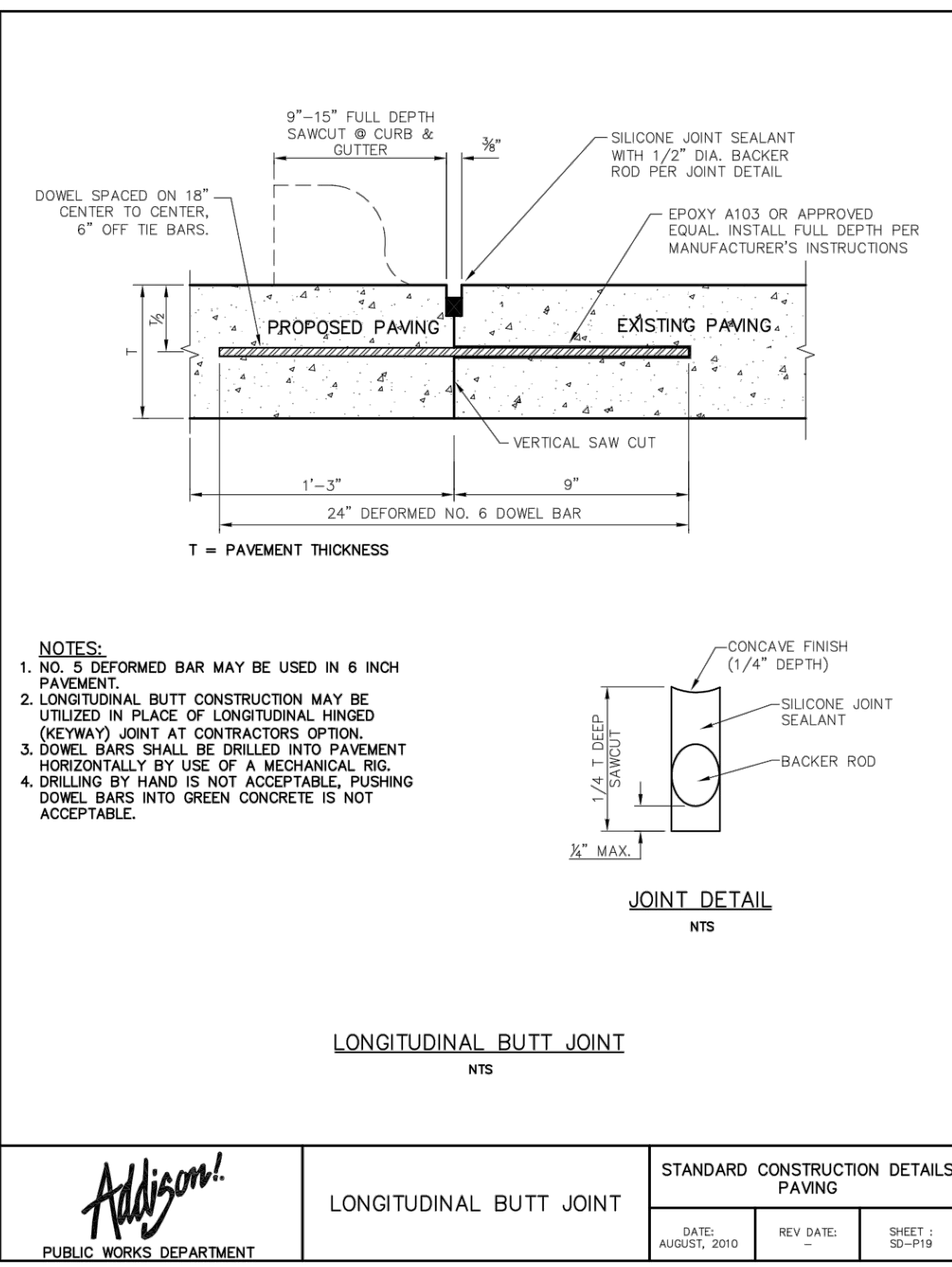
DALLAS, TEXAS

SHEET NUMBER
C07.03

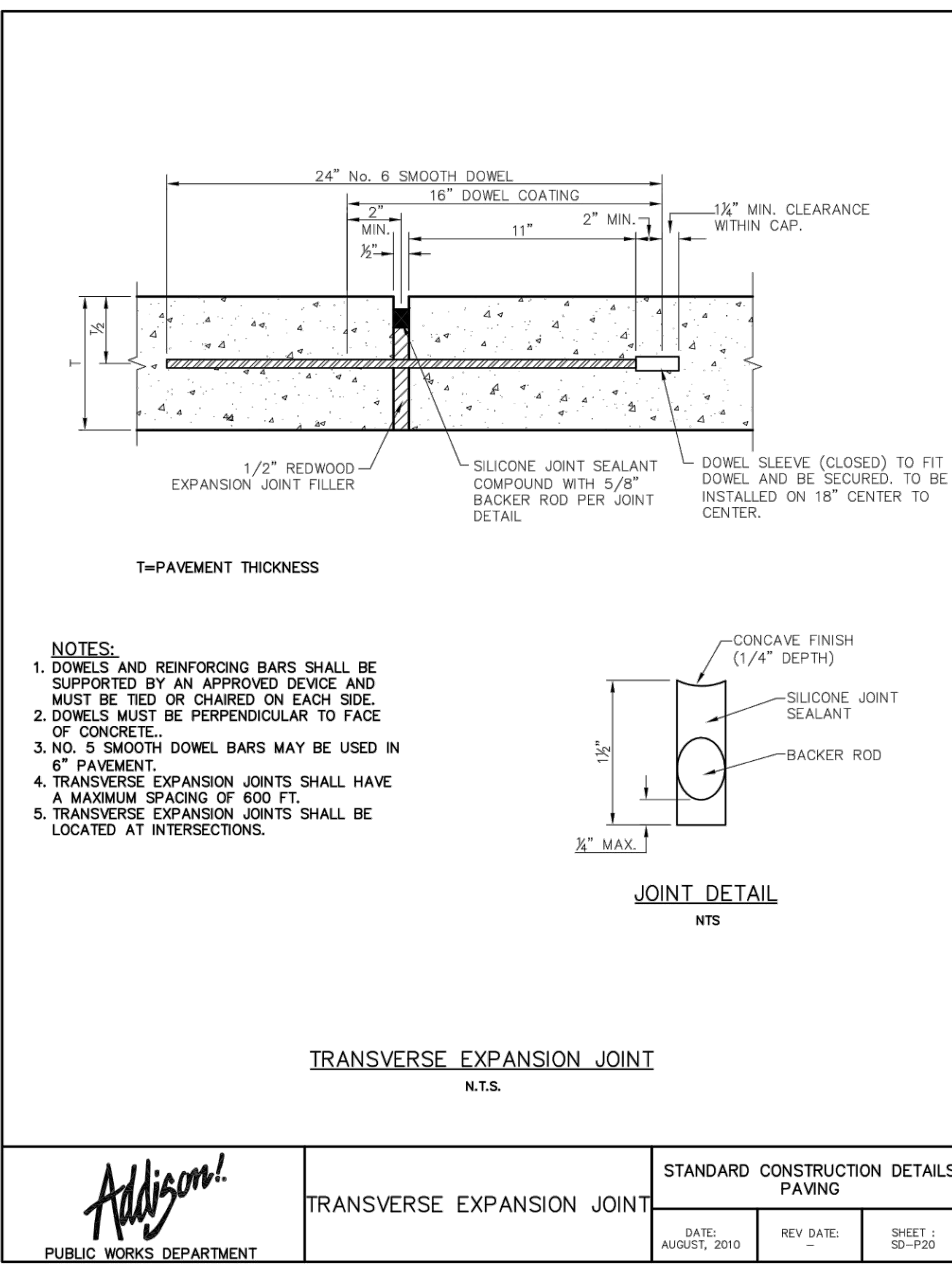
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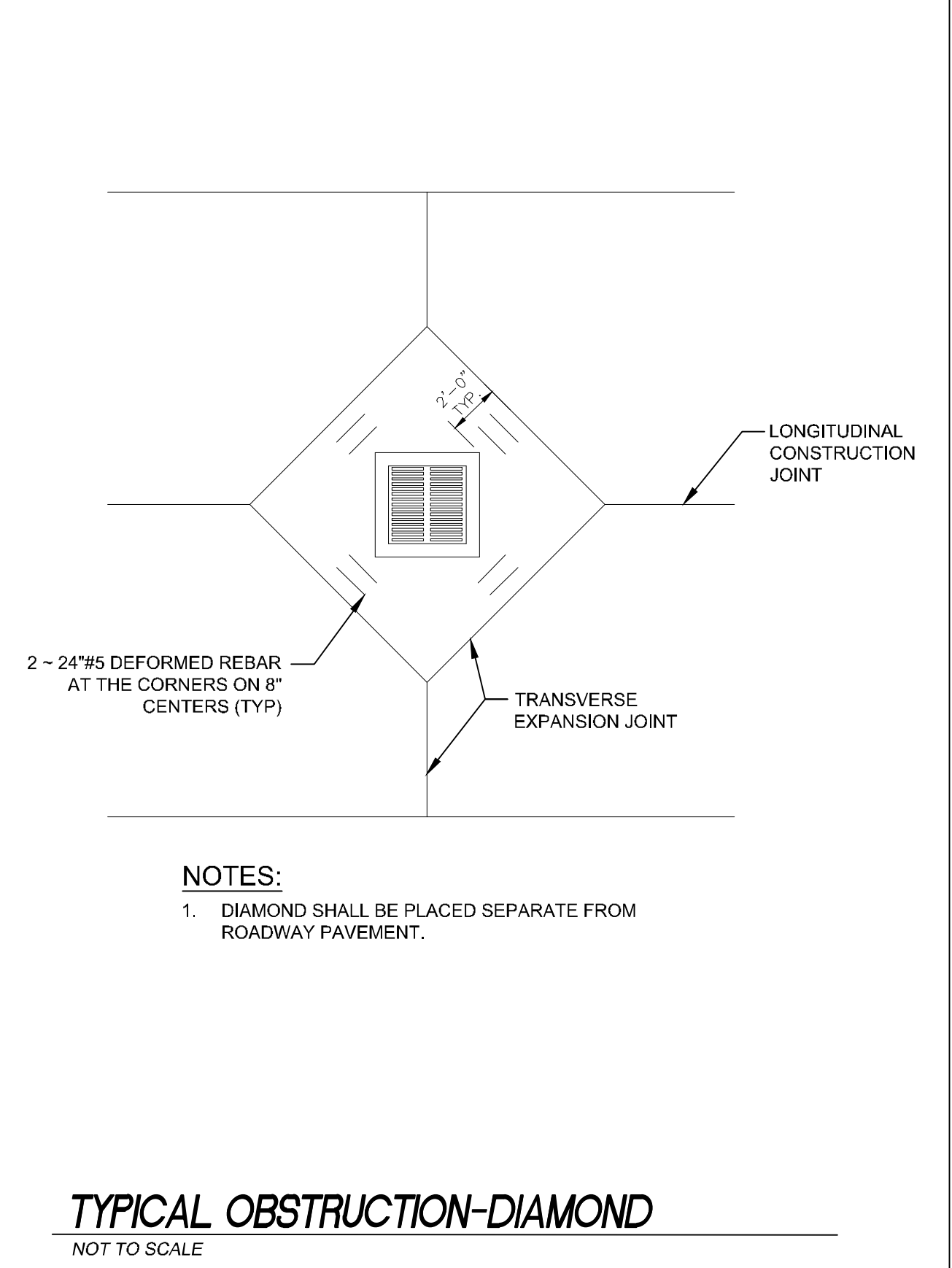
1. LONGITUDINAL AND TRANSVERSE CONSTRUCTION JOINT



1. LONGITUDINAL AND TRANSVERSE JOINT

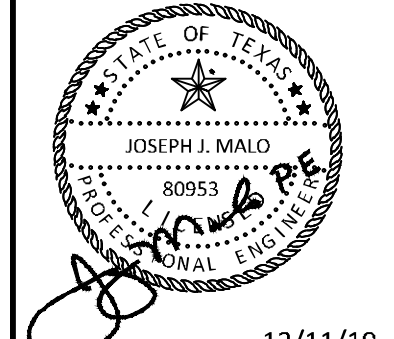


1. ISOLATION JOINT WILL NOT HAVE DOWEL BARS OR REBAR CROSSING JOINT.



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

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

LANDSIDE JOINT DETAILS

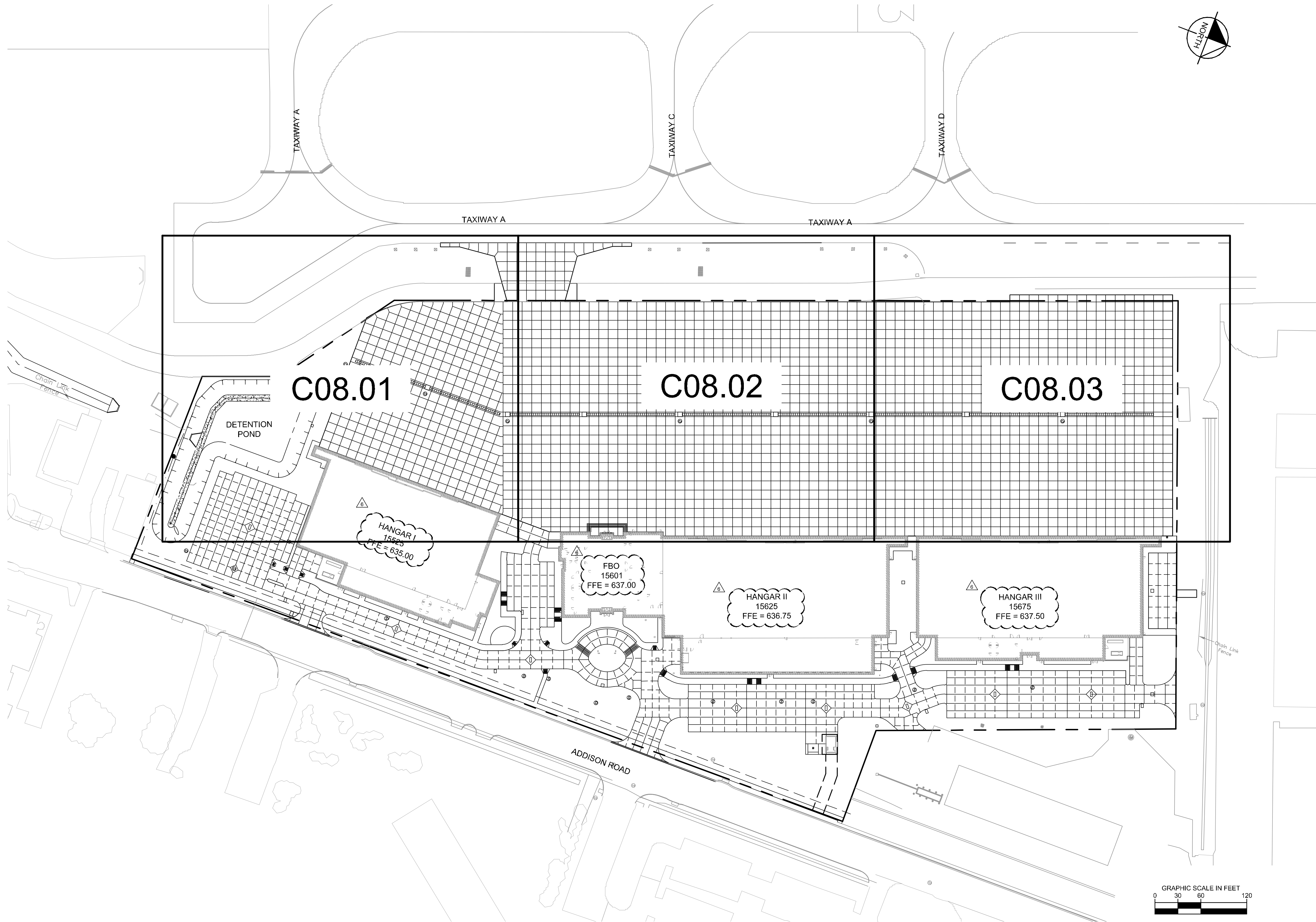
ADDISON GALAXY FBO
15601 ADDISON RD.
PREPARED FOR
BLACK FOREST VENTURE

DALLAS, TEXAS

ADDISON

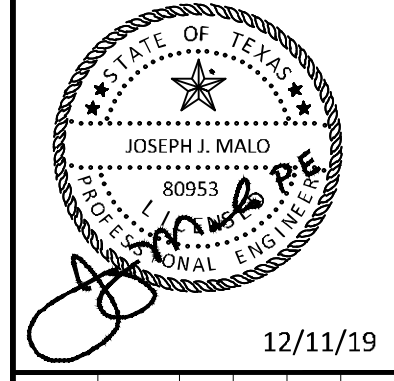
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ADDENDUM #1	DATE	BY
1	09/10/2019	JM
2	10/24/2019	JM
3	12/11/2019	JM

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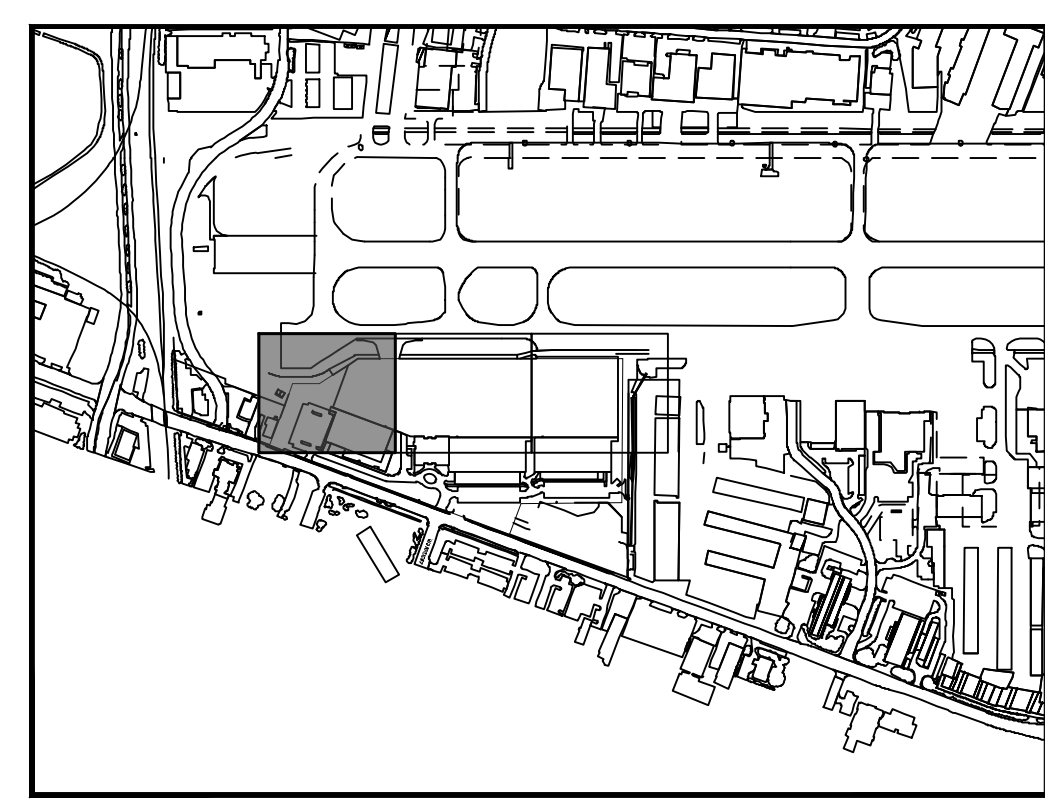
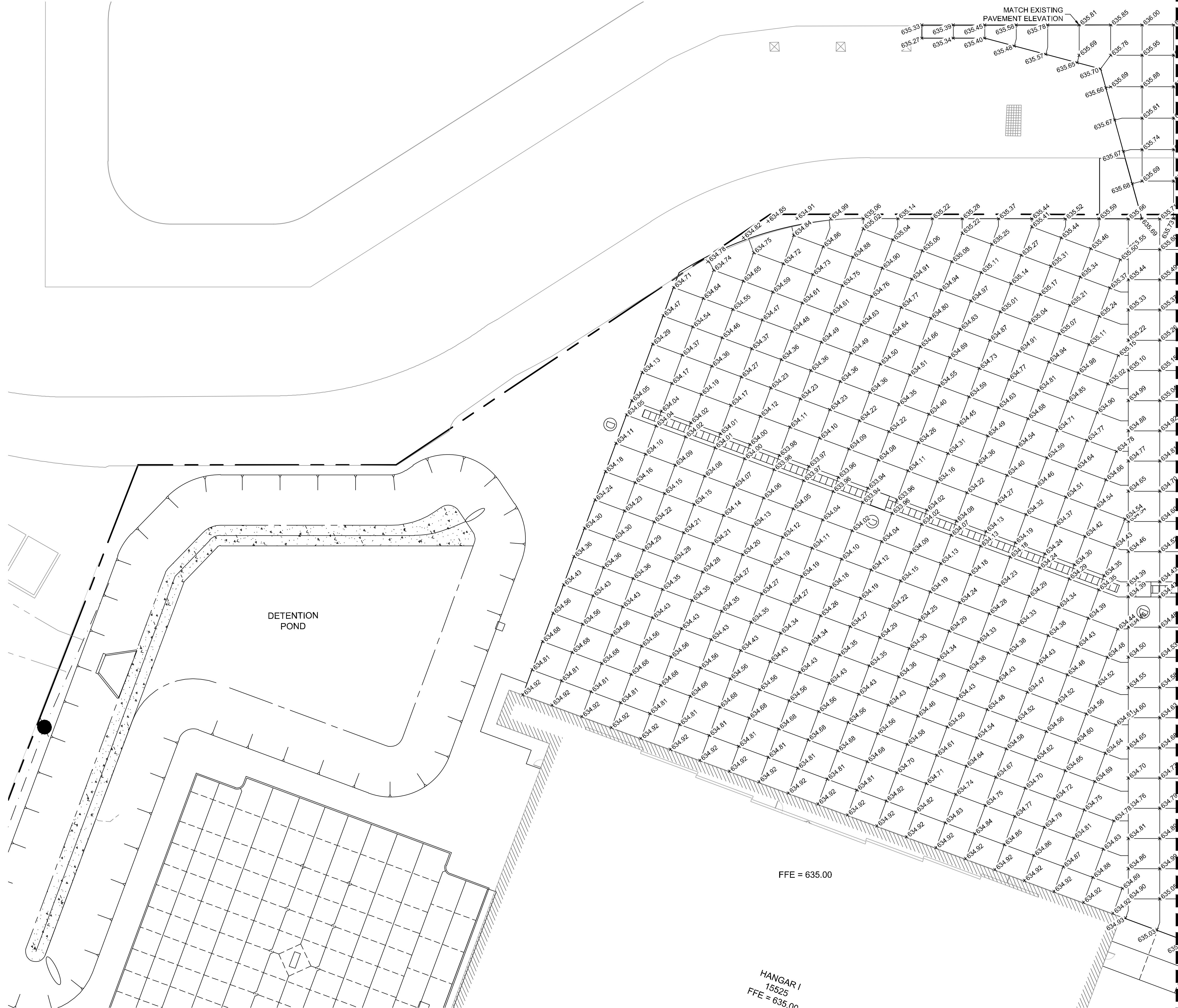
KHA PROJECT	067792503
DATE	12/11/2019
SCALE	AS SHOWN
DESIGNED BY	HCV
DRAWN BY	EC EAC
CHECKED BY	HCV

**AIRSIDE PAVEMENT
 ELEVATION PLAN
 KEY MAP**

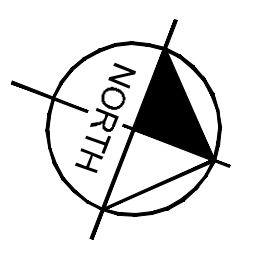
ADDISON GALAXY FBO
 15601 ADDISON RD.
 PREPARED FOR
BLACK FOREST VENTURE
 DALLAS, TEXAS

SHEET NUMBER
C08.00

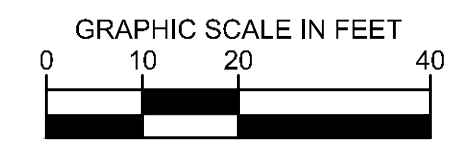
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KEY PLAN



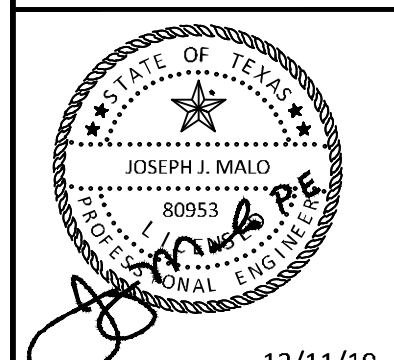
- LEGEND**
- 233.22 TOP OF PAVEMENT ELEVATION
 - CL 233.22 CENTER LINE ELEVATION
 - FC 233.22 FACE OF CURB ELEVATION
 - STORM SEWER INLETS



ADDENDUM #1	JM	DATE	BY
1	JM	09/10/2019	JM
2	JM	10/24/2019	JM
3	JM	12/11/2019	JM

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

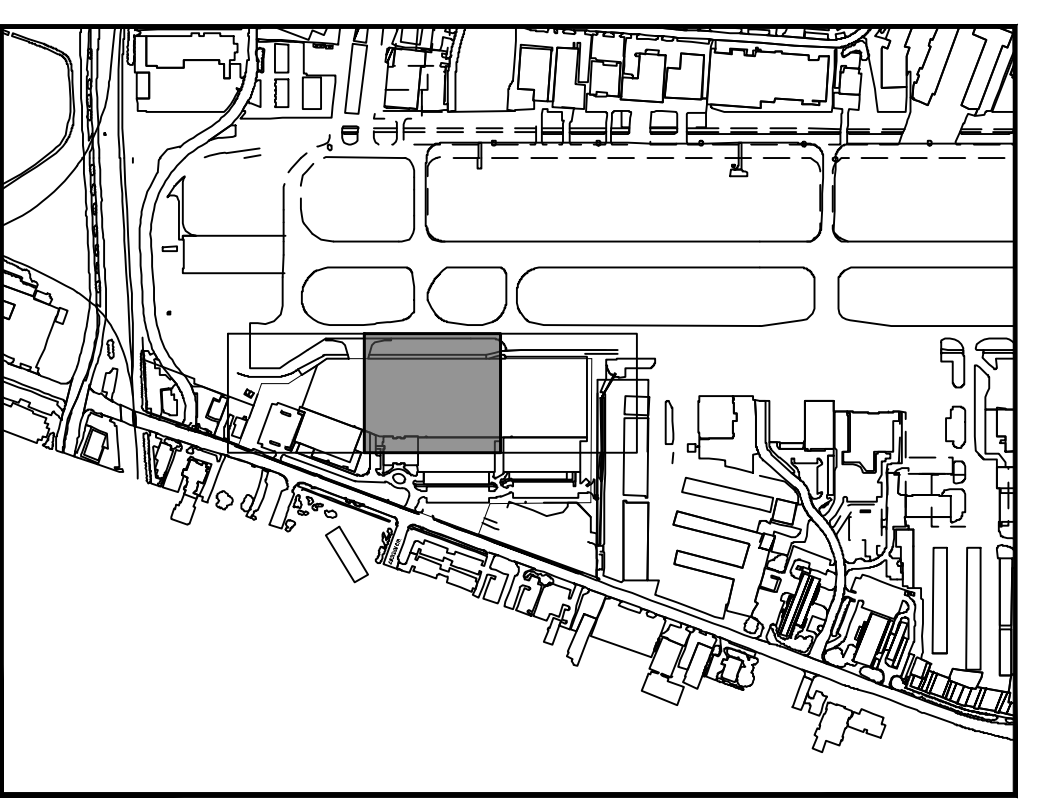
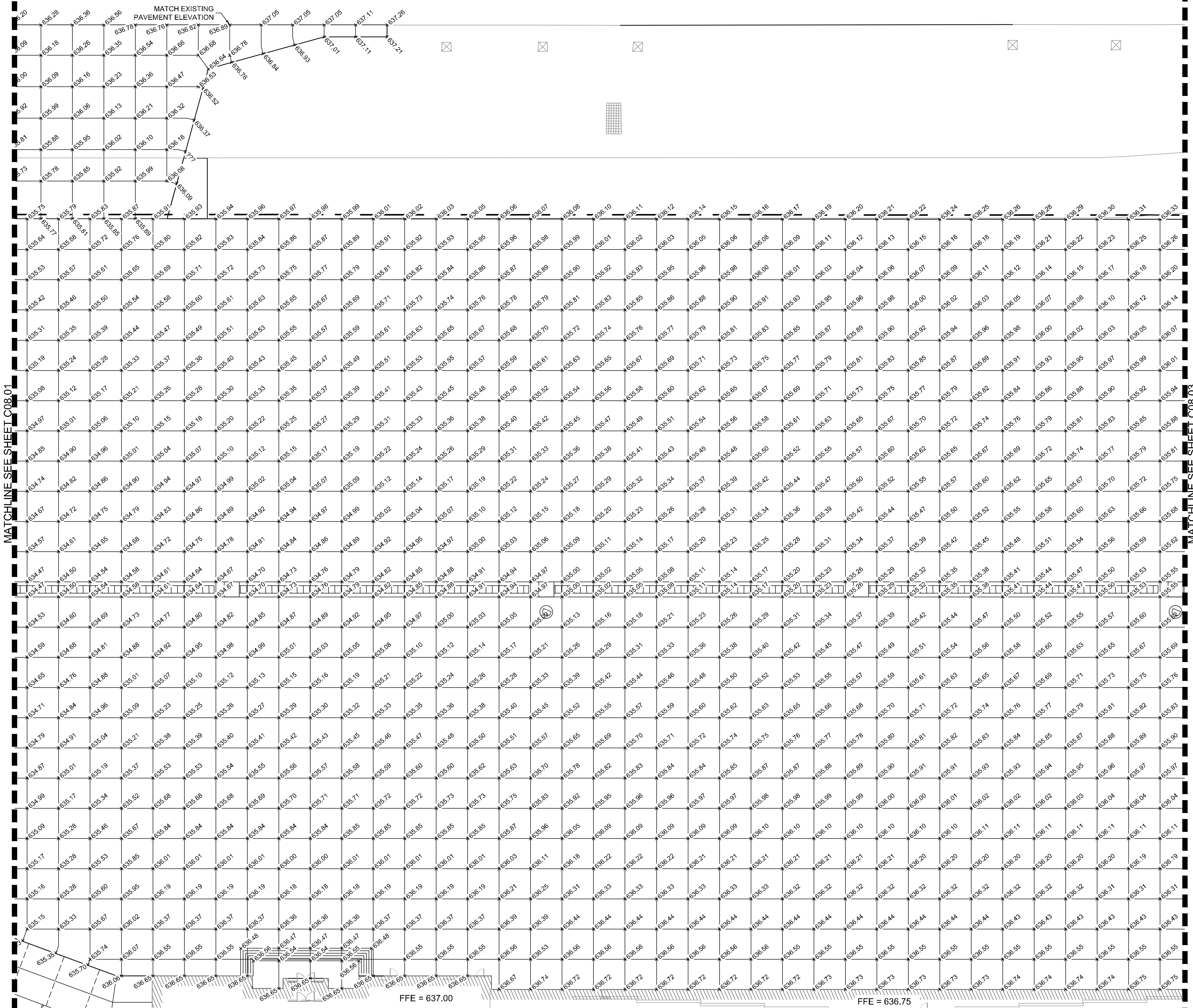
**AIRSIDE PAVEMENT
 ELEVATION PLAN**

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

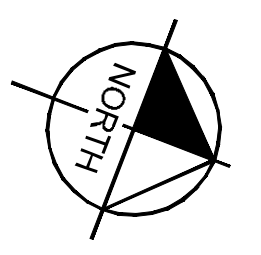
ADDISON DALLAS, TEXAS

SHEET NUMBER
C08.01

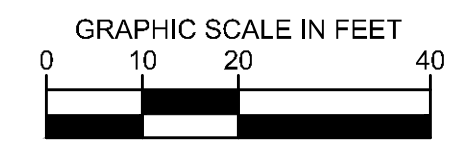
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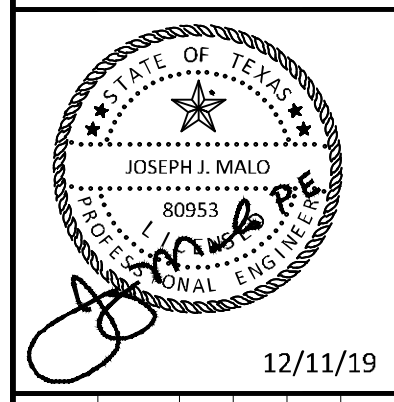
- LEGEND**
- 23.22 TOP OF PAVEMENT ELEVATION
 - CL 23.22 CENTER LINE ELEVATION
 - FC 23.22 FACE OF CURB ELEVATION
 - STORM SEWER INLETS



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

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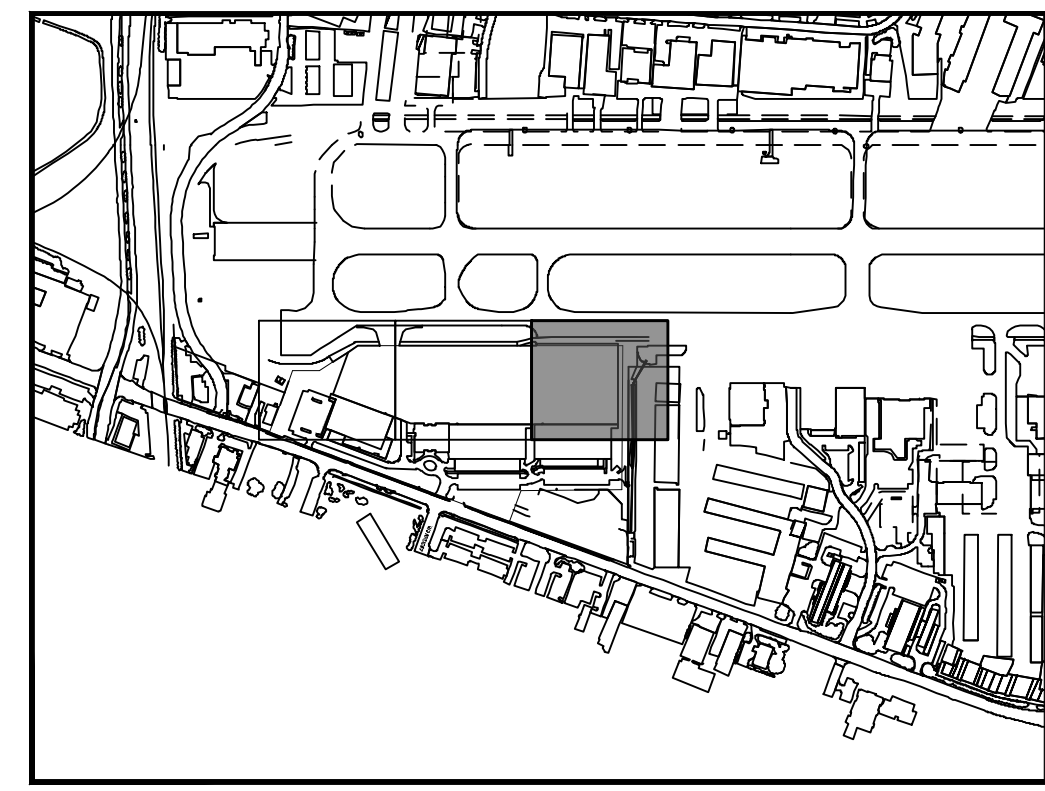
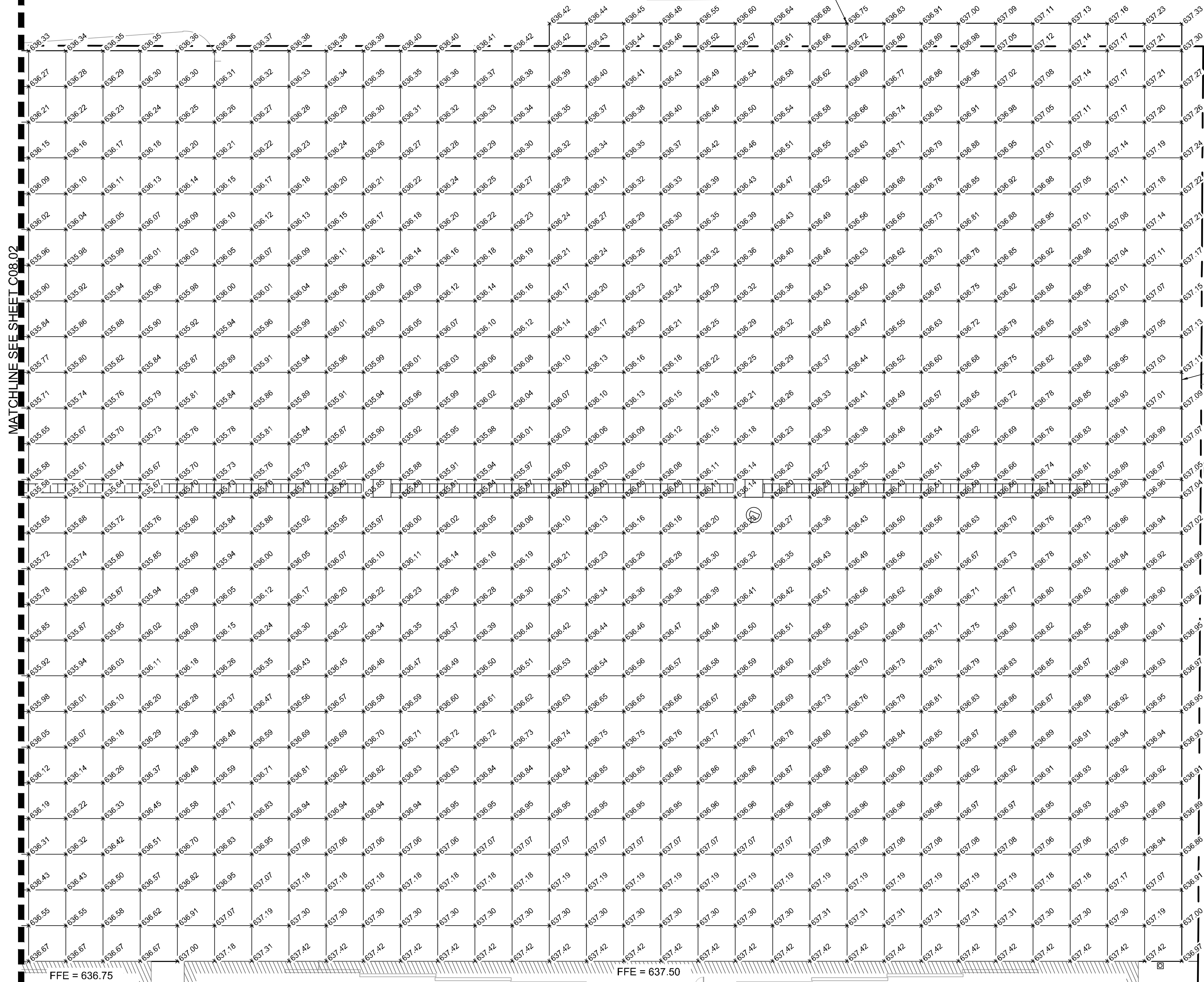


KHA PROJECT	067792503
DATE	12/11/2019
SCALE	AS SHOWN
DESIGNED BY	HCV
DRAWN BY	EC EAC
CHECKED BY	HCV

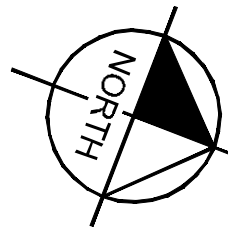
ADDISON GALAXY FBO
 15601 ADDISON RD.
 PREPARED FOR
BLACK FOREST VENTURE

ARSIDE PAVEMENT ELEVATION PLAN

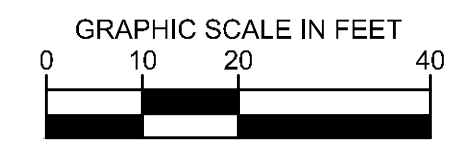
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KEY PLAN



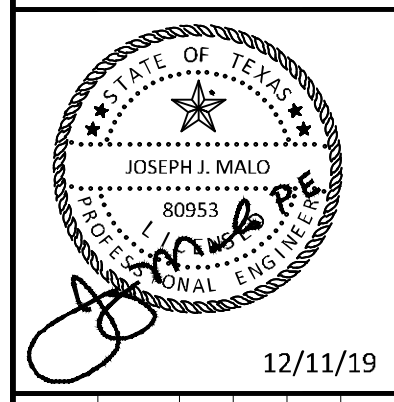
- LEGEND**
- 23.22 TOP OF PAVEMENT ELEVATION
 - CL 23.22 CENTER LINE ELEVATION
 - FC 23.22 FACE OF CURB ELEVATION
 - STORM SEWER INLETS



ADDENDUM #1	ADDENDUM #5	ADDENDUM #6	ADDENDUM #8	ADDENDUM #9	ADDENDUM #10	ADDENDUM #11	ADDENDUM #12	ADDENDUM #13	ADDENDUM #14	ADDENDUM #15	ADDENDUM #16	ADDENDUM #17	ADDENDUM #18	ADDENDUM #19	ADDENDUM #20

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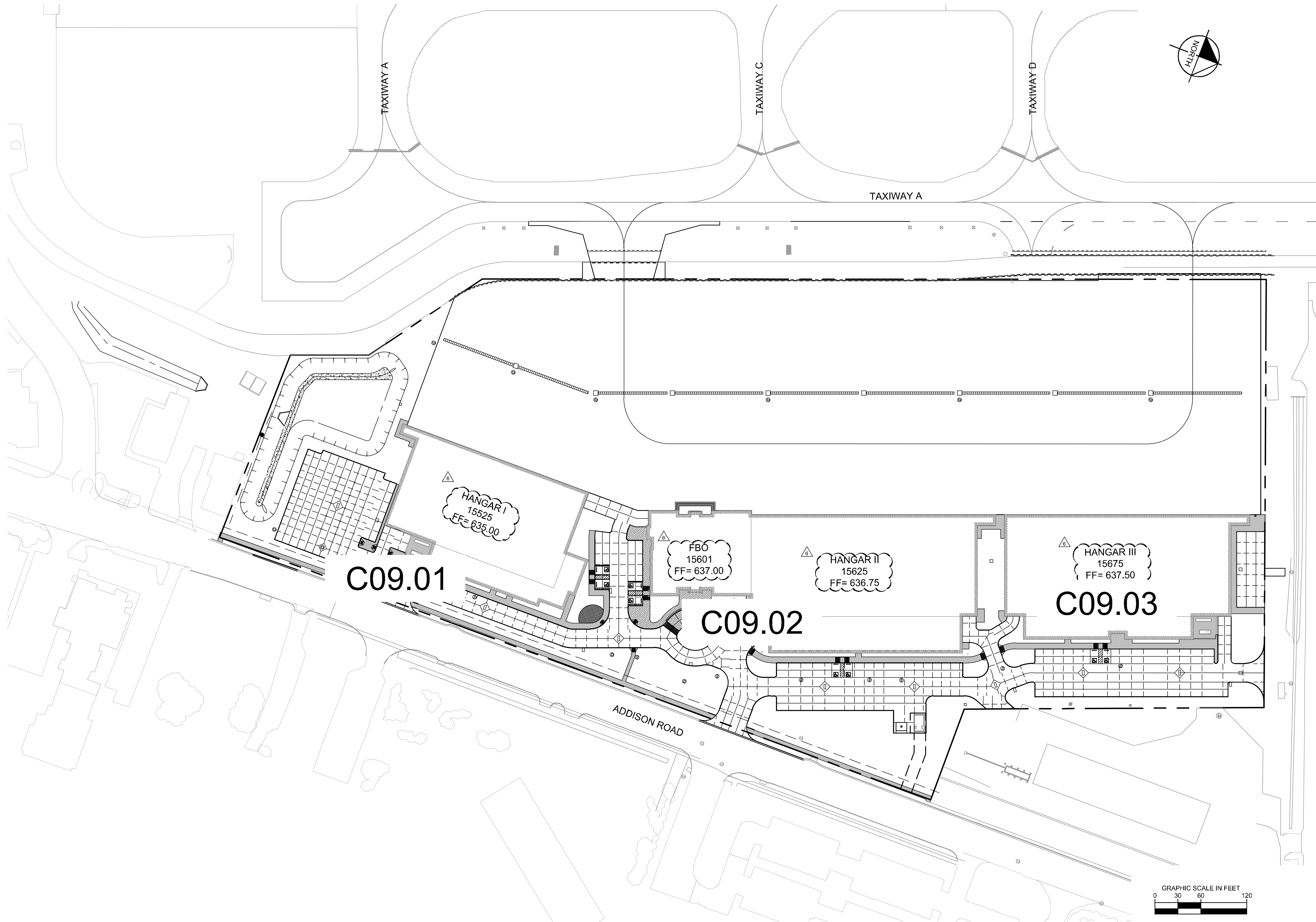


KHA PROJECT	067792503
DATE	12/11/2019
SCALE	AS SHOWN
DESIGNED BY	HCV
DRAWN BY	EC EAC
CHECKED BY	HCV

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

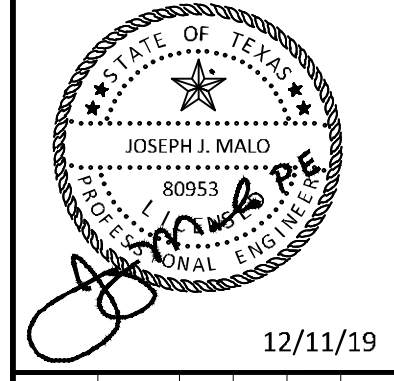
**AIRSIDE PAVEMENT
 ELEVATION PLAN**

Plotted By: Lamar, Morgan Street Set: Kha Layout: C09.00 December 12, 2019 05:49:04pm K:\W01_Aviation\067792503 - Addison Galaxy FBO\ACAD.dwg Sheets: C09.00 LANDSIDE PAVT ELEVATION PLAN.dwg
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ADDENDUM #1	DATE	BY
1	09/10/2019	JM
2	10/24/2019	JM
3	12/11/2019	JM

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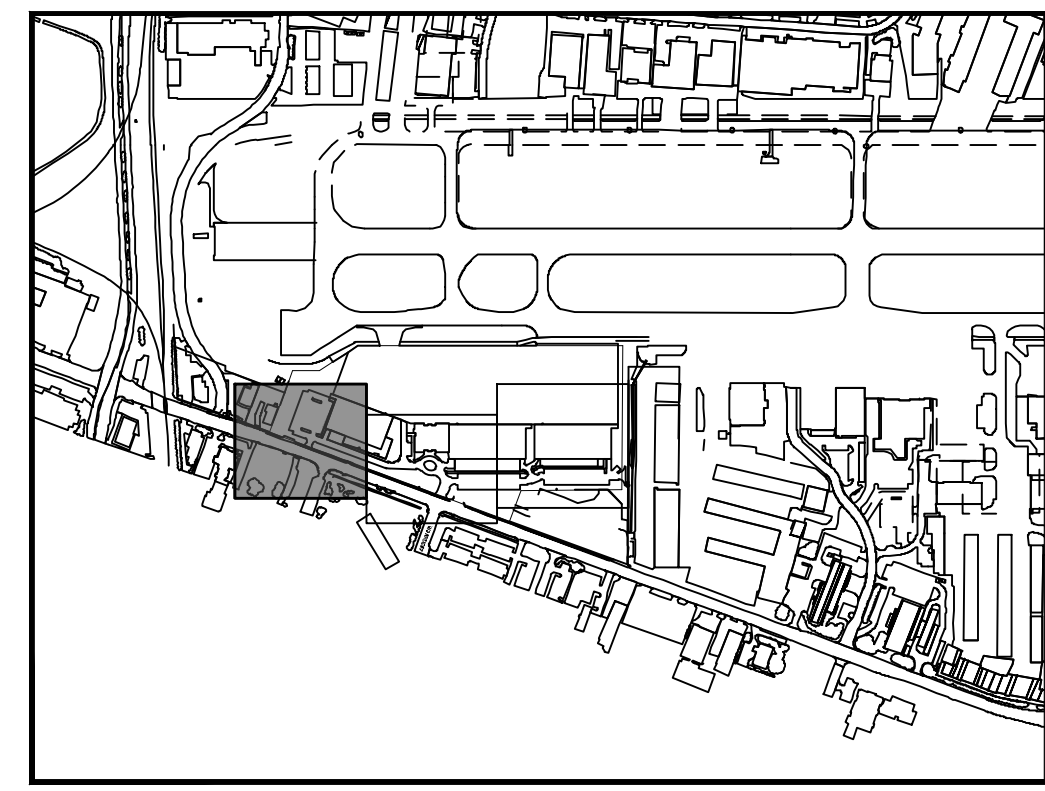
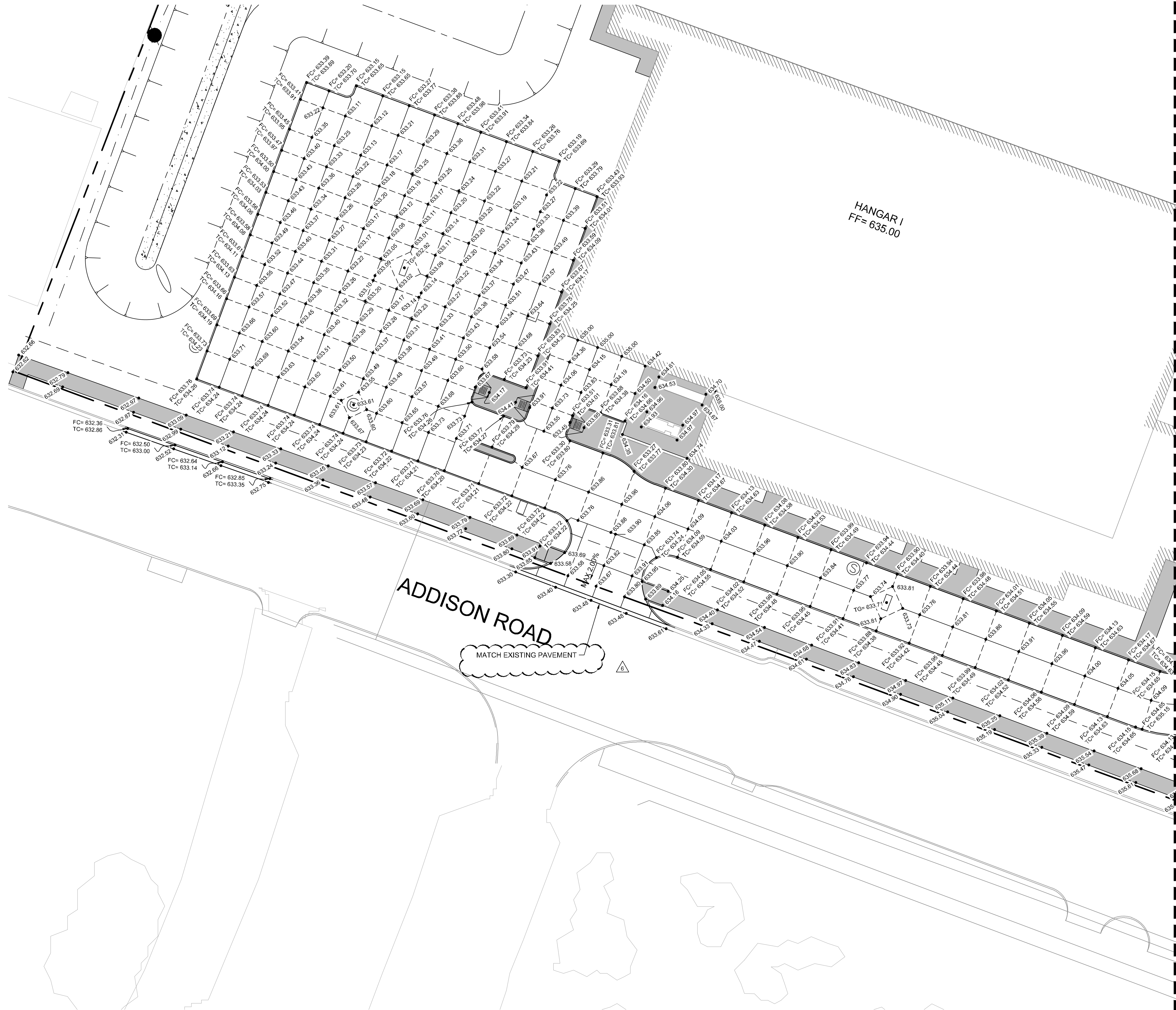
KHA PROJECT	067792503
DATE	12/11/2019
SCALE	AS SHOWN
DESIGNED BY	HCV
DRAWN BY	EC EAC
CHECKED BY	HCV

**LANDSIDE PAVEMENT
 ELEVATION PLAN KEY
 MAP**

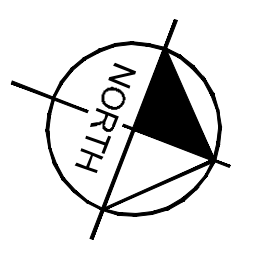
ADDISON GALAXY FBO
 15601 ADDISON RD.
 PREPARED FOR
BLACK FOREST VENTURE
 DALLAS, TEXAS

SHEET NUMBER
C09.00

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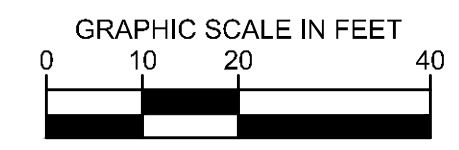


KEY PLAN



- NOTES**
- 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.
 - 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).
 - THE ACCESSIBLE PARKING AND PASSENGER LOADING AREAS SHALL NOT EXCEED A SLOPE OF 2% (1:50) IN ANY DIRECTION.

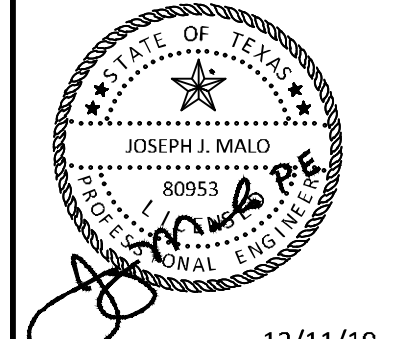
- LEGEND**
- 232.22 TOP OF PAVEMENT ELEVATION
 - Top 232.22 TOP OF GRATE ELEVATION
 - FC= 232.22 TC= 232.72 ELEVATION OF CURB
 - ELEVATION
 - TC TOP OF CURB ELEVATION
 - STORM SEWER INLETS



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

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

**LANDSIDE PAVEMENT
 ELEVATION PLAN**

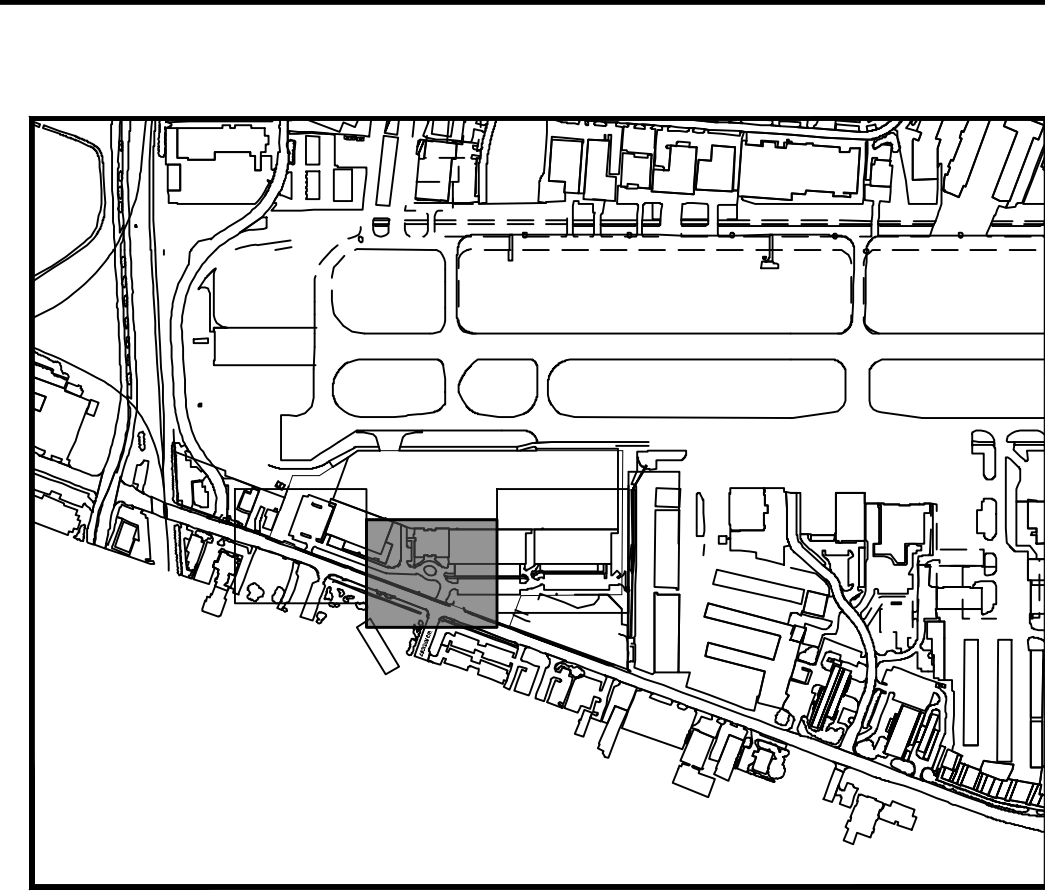
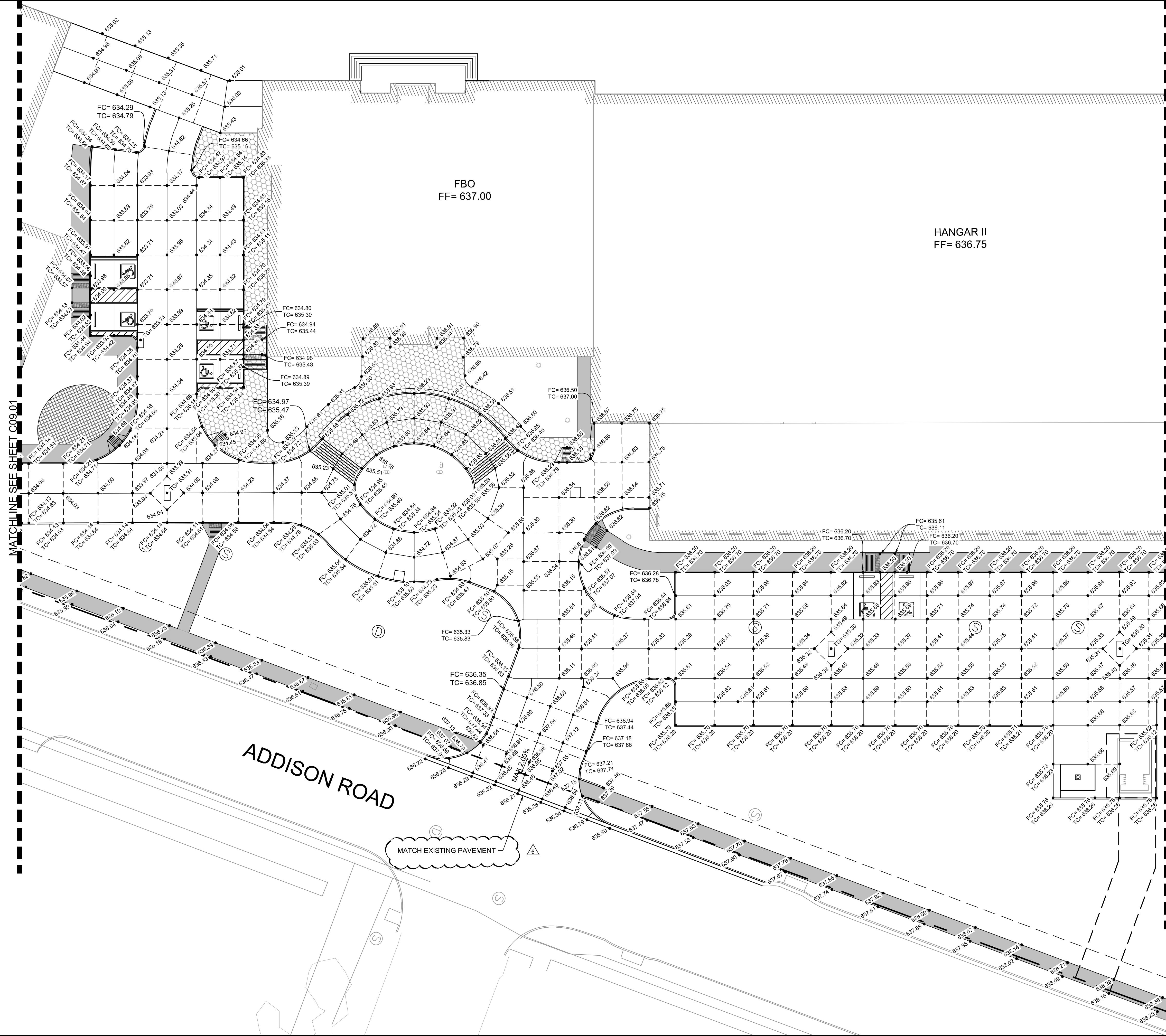
ADDISON GALAXY FBO
 15601 ADDISON RD.
 PREPARED FOR
 BLACK FOREST VENTURE

DALLAS, TEXAS

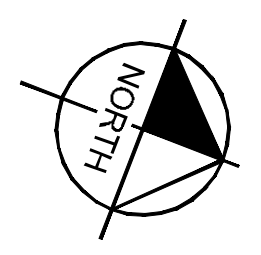
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SHEET NUMBER
C09.01

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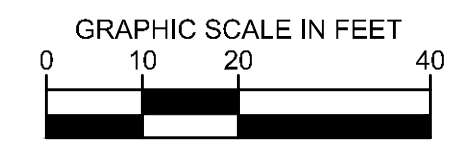


KEY PLAN



- NOTES**
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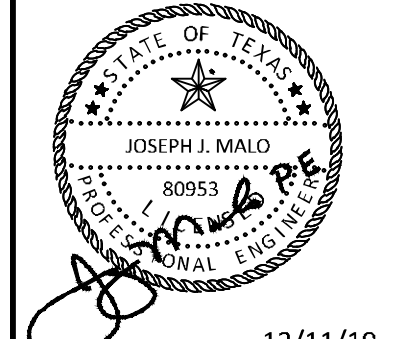
- LEGEND**
- 233.22 TOP OF PAVEMENT ELEVATION
 - TC=233.22 TOP OF GRATE ELEVATION
 - FC=233.22 TOP OF CURB ELEVATION
 - TC=233.22 TC TOP OF CURB ELEVATION
 - STORM SEWER INLETS



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

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

**LANDSIDE PAVEMENT
ELEVATION PLAN**

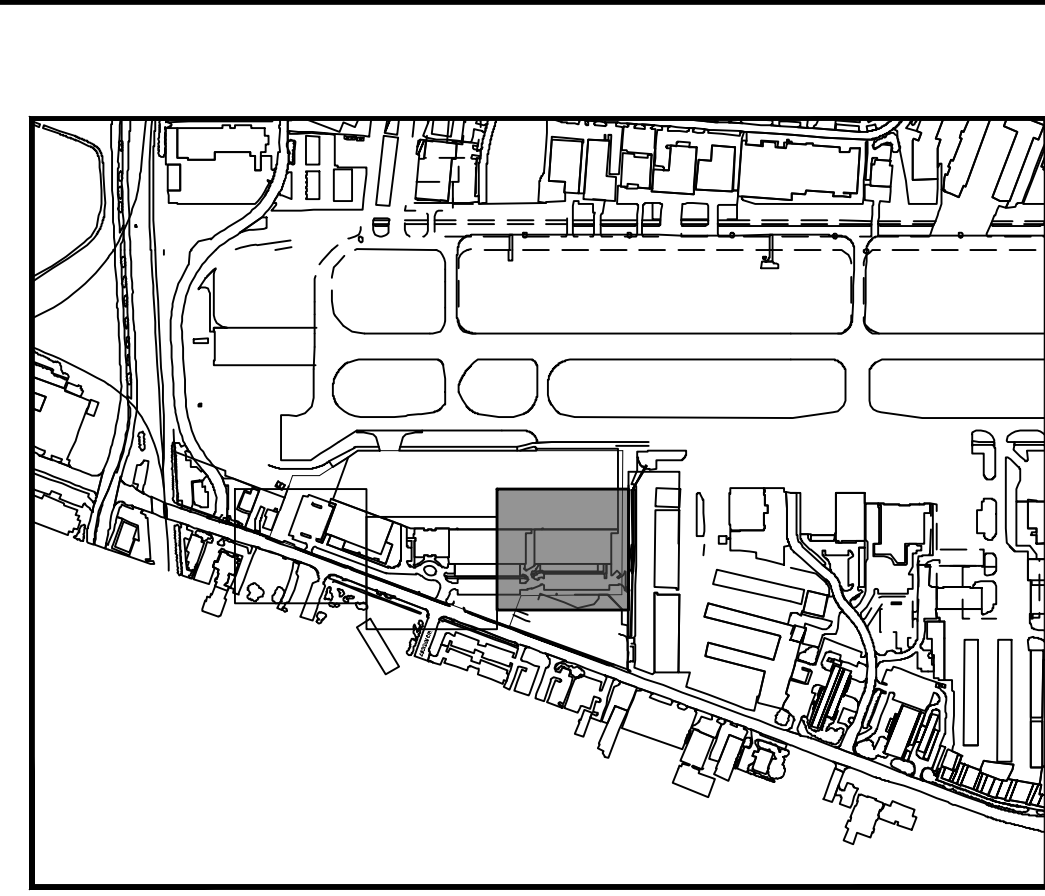
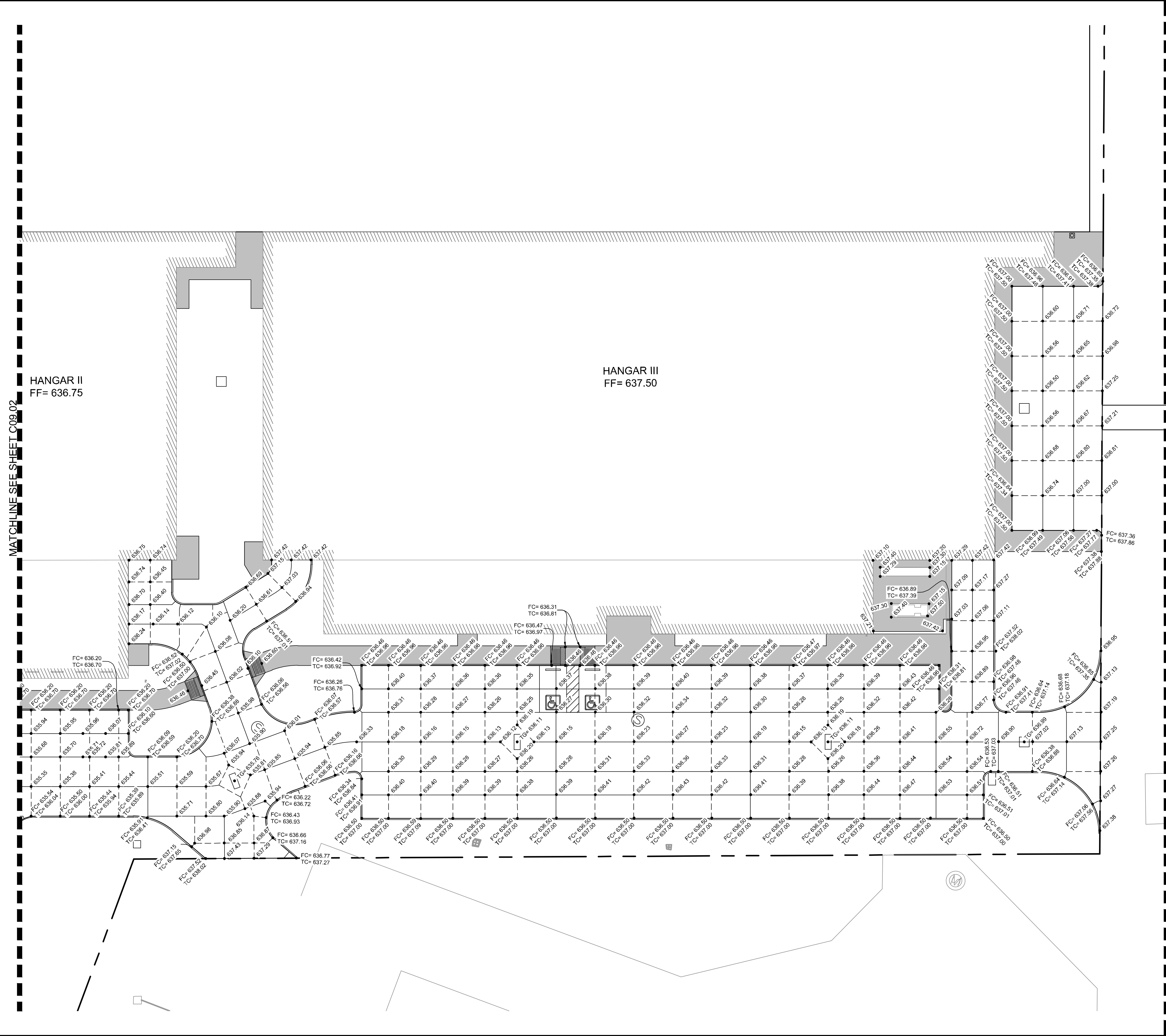
ADDISON GALAXY FBO
 15601 ADDISON RD.
 PREPARED FOR
BLACK FOREST VENTURE

DALLAS, TEXAS

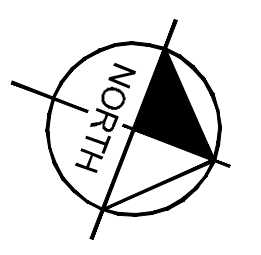
ADDISON

SHEET NUMBER
C09.02

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KEY PLAN

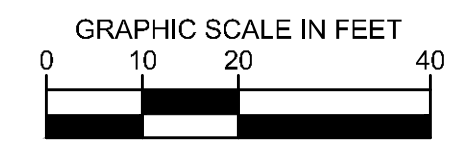


NOTES

- 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.
- 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).
- THE ACCESSIBLE PARKING AND PASSENGER LOADING AREAS SHALL NOT EXCEED A SLOPE OF 2% (1:50) IN ANY DIRECTION.

LEGEND

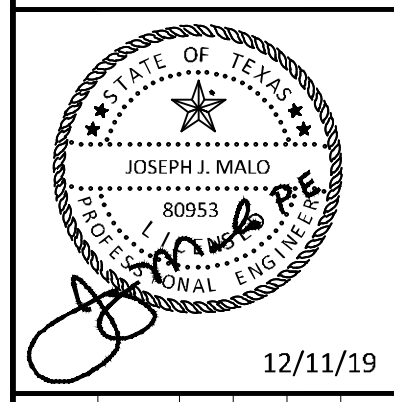
- 233.22 TOP OF PAVEMENT ELEVATION
- 233.22 TOP OF GRATE ELEVATION
- 233.22 ELEVATION OF CURB
- 233.22 TC TOP OF CURB ELEVATION
- STORM SEWER INLETS



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

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 WWW.KIMLEY-HORN.COM



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

**LANDSIDE PAVEMENT
ELEVATION PLAN**

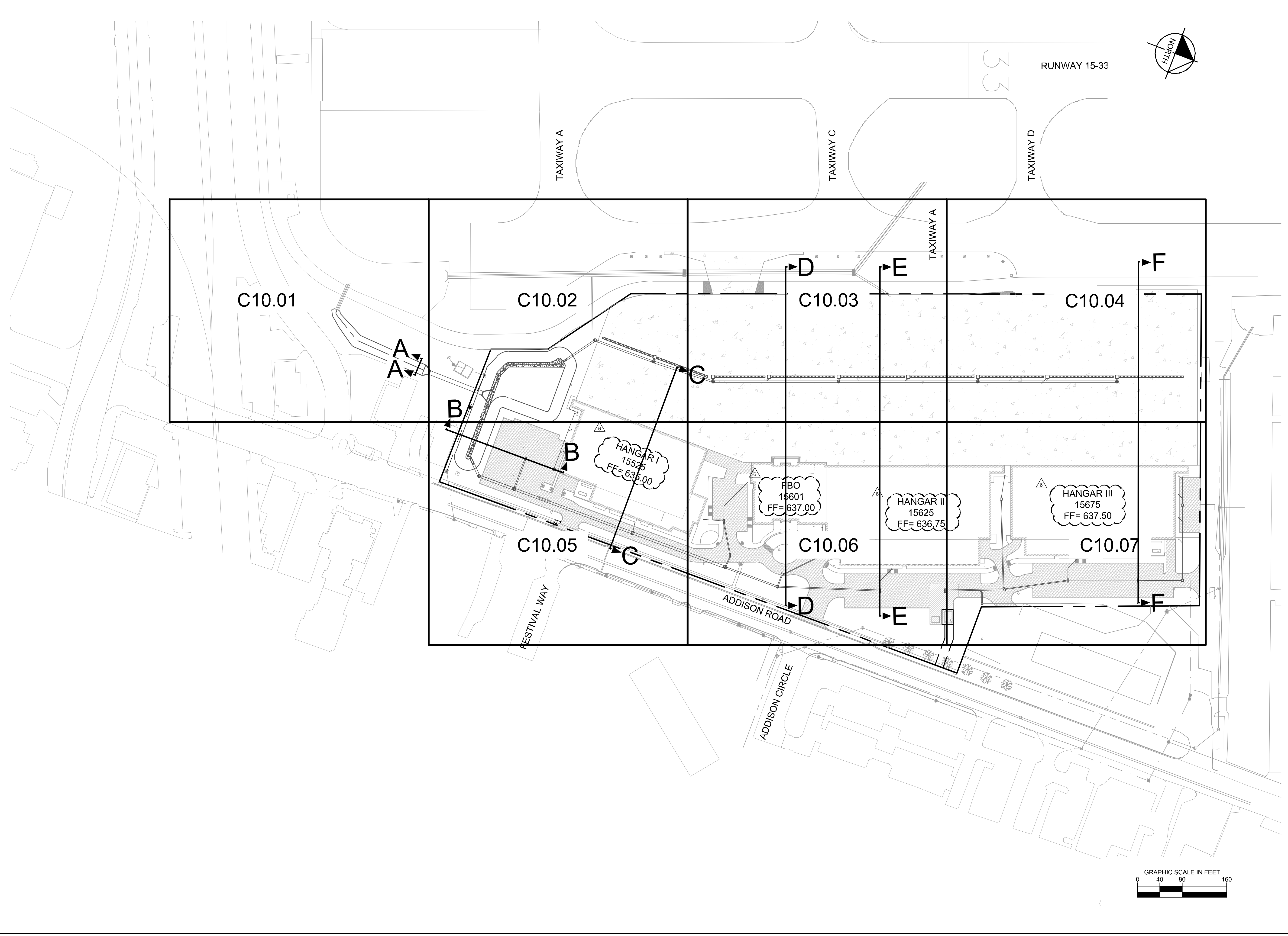
ADDISON GALAXY FBO
 15601 ADDISON RD.
 PREPARED FOR
BLACK FOREST VENTURE

DALLAS, TEXAS

ADDISON

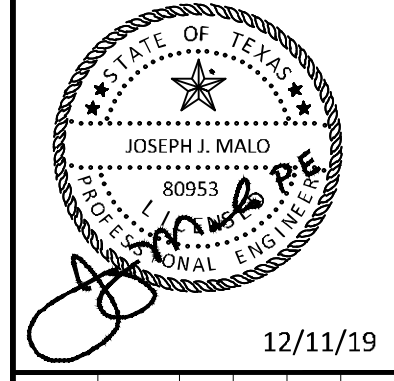
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ADDENDUM #1	JM
ADDENDUM #5	09/10/2019
ADDENDUM #6	10/24/2019
	12/11/2019
No.	REVISIONS
	DATE
	BY

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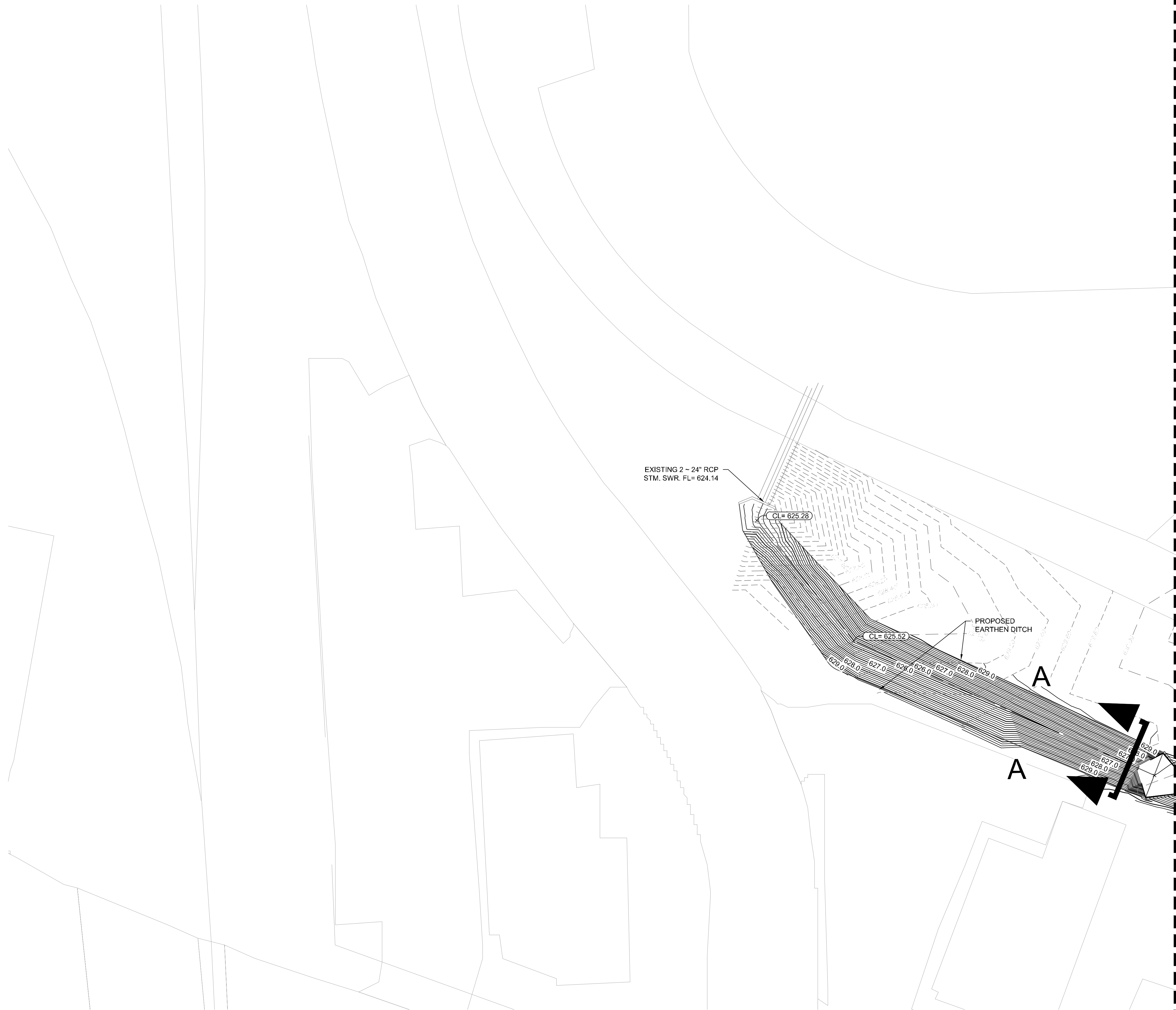
KHA PROJECT	067792503
DATE	12/11/2019
SCALE	AS SHOWN
DESIGNED BY	HCV
DRAWN BY	EC EAC
CHECKED BY	HCV

**GRADING PLAN KEY
 MAP**

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

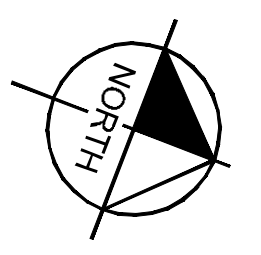
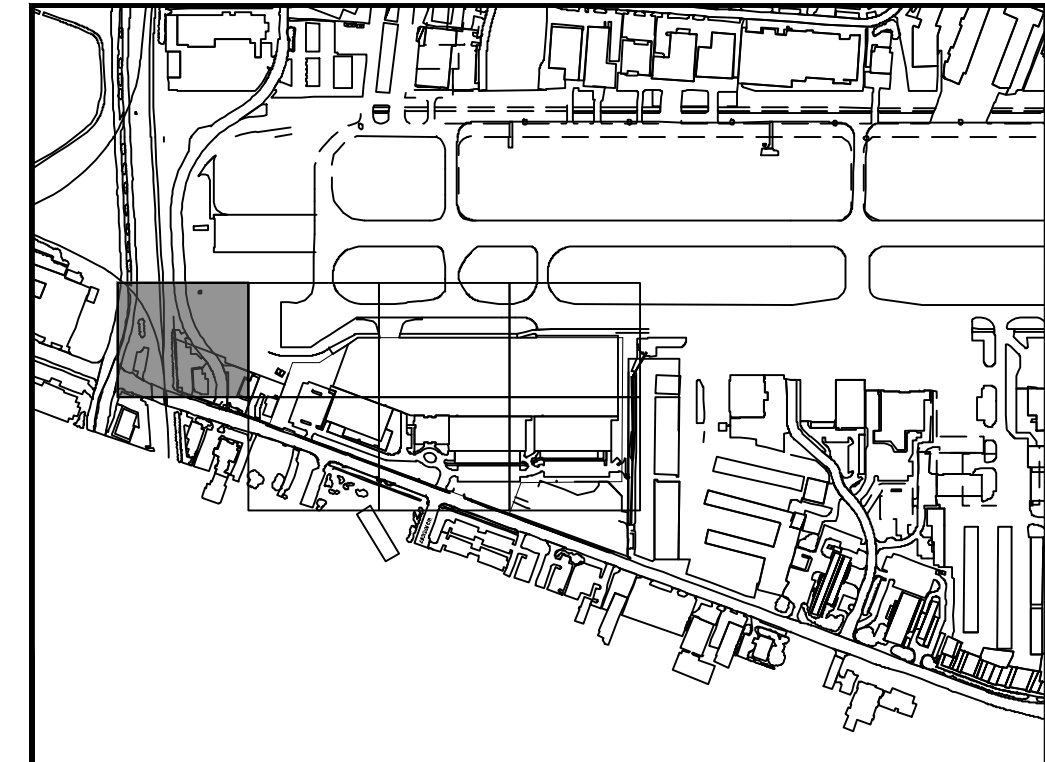
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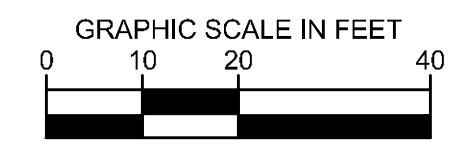
MATCHLINE SEE SHEET C10.02

KEY PLAN



LEGEND

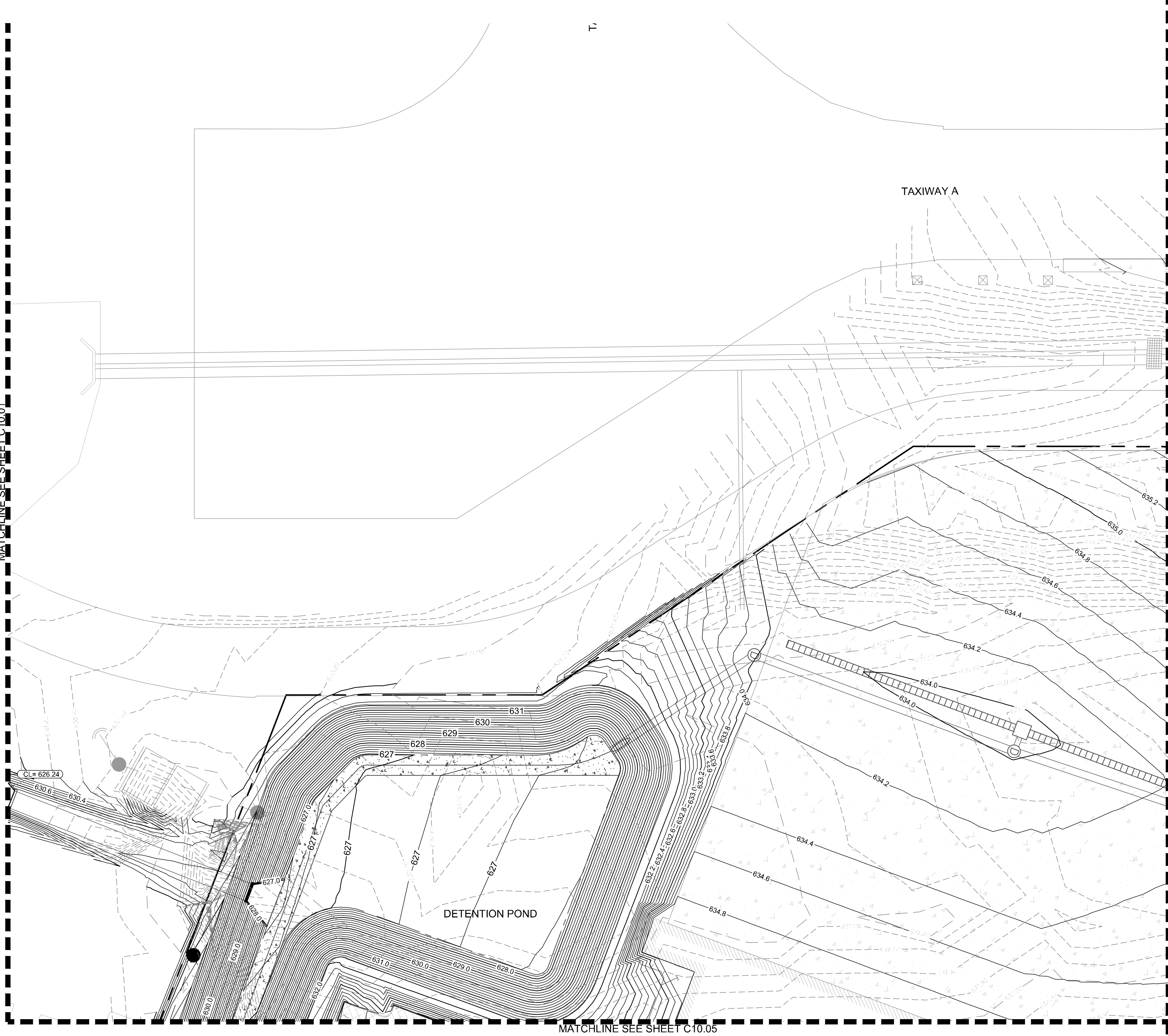
- EXISTING CONTOURS
- PROPOSED CONTOURS
- TRENCH DRAIN
- DRAINAGE INLET
- DRAINAGE MANHOLE



<p>ADDISON GALAXY FBO 15601 ADDISON RD. <small>PREPARED FOR</small> BLACK FOREST VENTURE</p>	<p>ADDISON DALLAS, TEXAS</p>	<p>SHEET NUMBER C10.01</p>	<p>Kimley»Horn</p> <p><small>© 2019 KIMLEY-HORN AND ASSOCIATES, INC. 1400 WOODLICK FOREST DRIVE, SUITE 225 HOUSTON, TEXAS 77057 PHONE: 281-475-2816 TBPE FIRM REGISTRATION F-928 WWW.KIMLEY-HORN.COM</small></p>	<p>Professional Engineer JOSEPH J. MALO 80953 STATE OF TEXAS</p>	<p>12/11/19</p>	<p>KHA PROJECT 067792503</p>	<p>DATE 12/11/2019</p>	<p>SCALE AS SHOWN</p>	<p>DESIGNED BY HCV DRAWN BY EC EAC CHECKED BY HCV</p>	<p>ADDENDUM #1 09/10/2019 JM</p>	<p>ADDENDUM #5 10/24/2019 JM</p>	<p>ADDENDUM #6 12/11/2019 JM</p>	<p>No. REVISIONS DATE BY</p>
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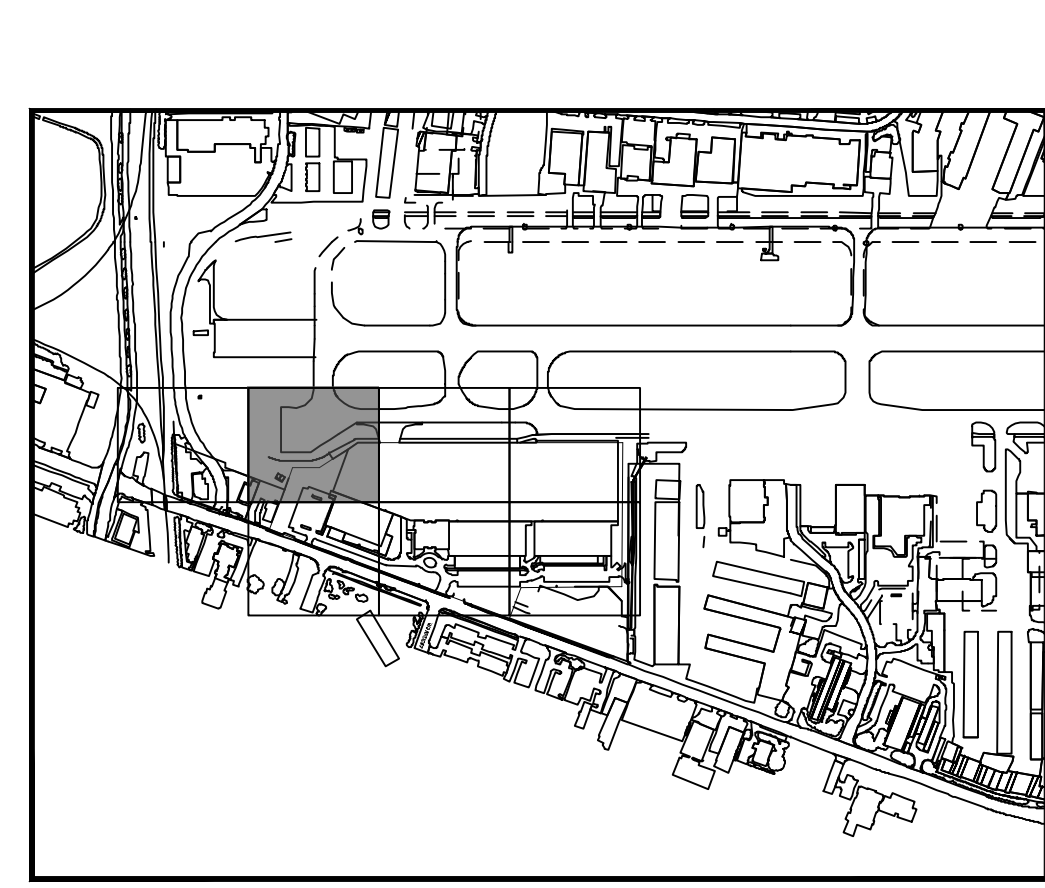
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MATCHLINE SEE SHEET C10.01

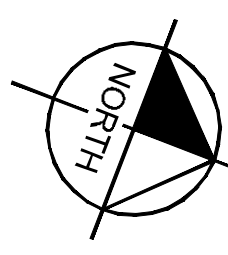


MATCHLINE SEE SHEET C10.05

MATCHLINE SEE SHEET C10.03

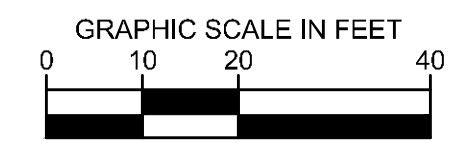


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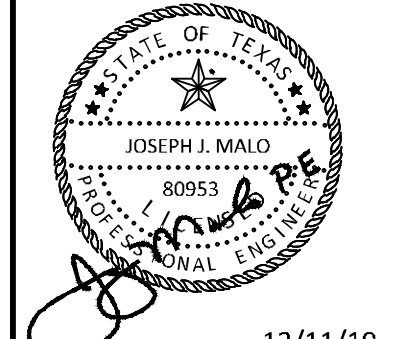
LEGEND

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



No.	REVISIONS	DATE	BY
1		09/10/2019	JM
2		10/24/2019	JM
3		12/11/2019	JM

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

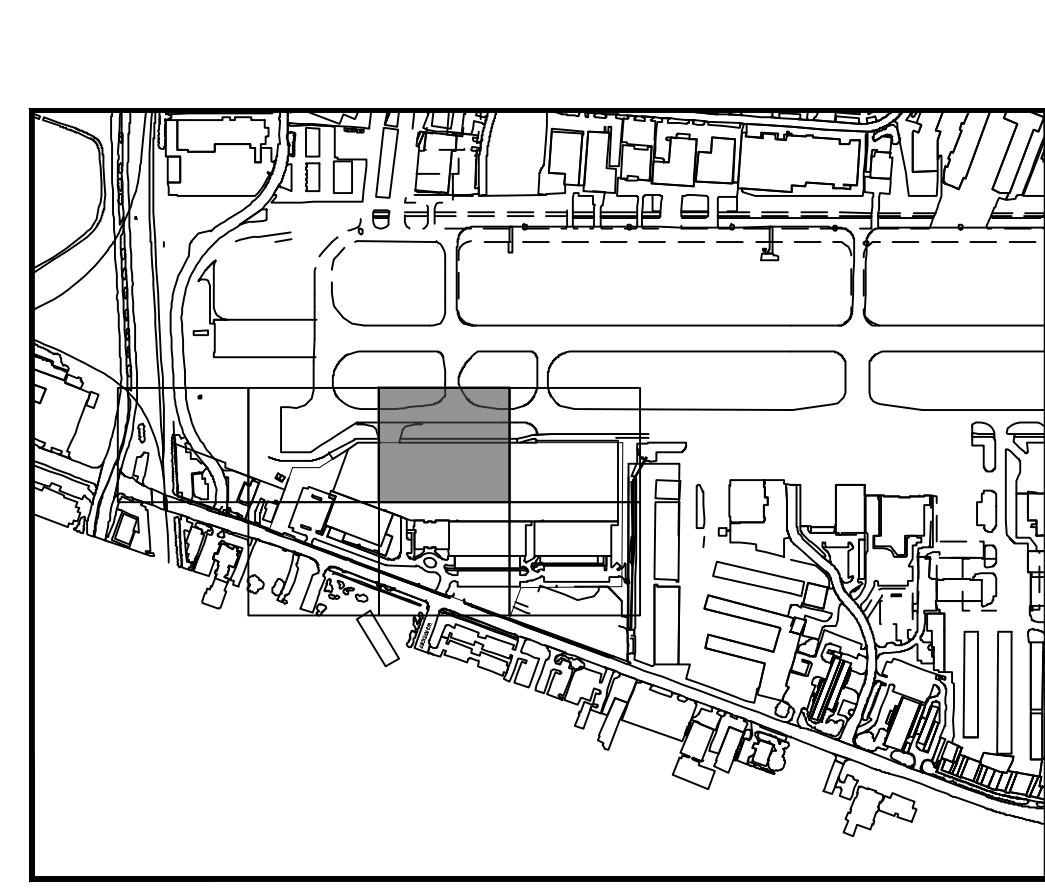
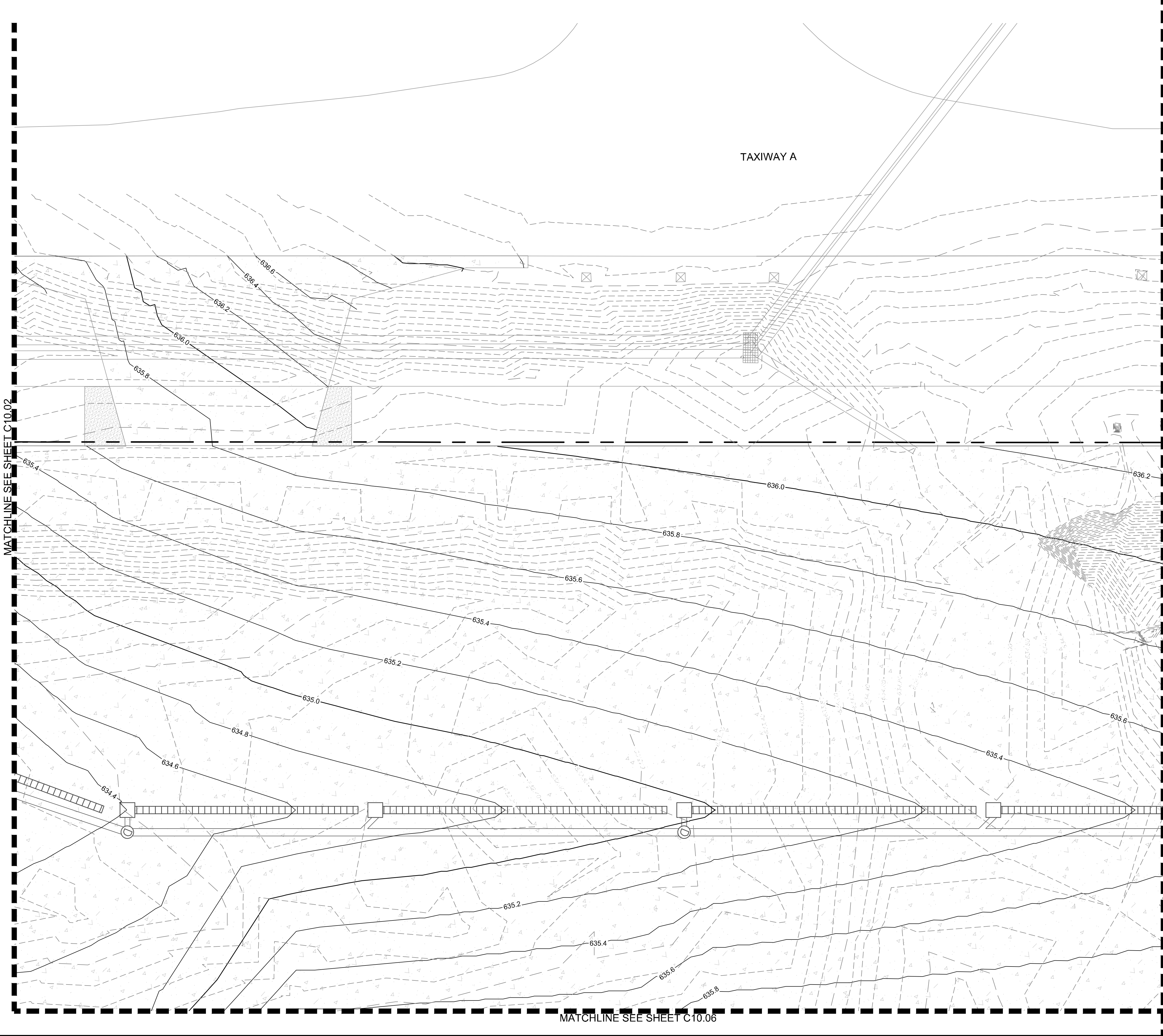
GRADING PLAN

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

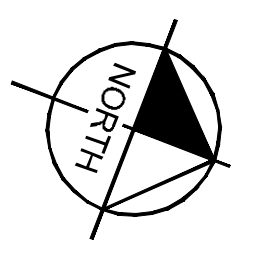
ADDISON DALLAS, TEXAS

SHEET NUMBER
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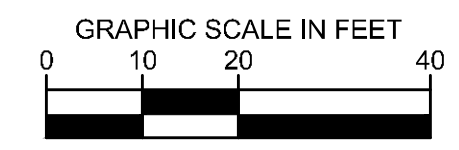


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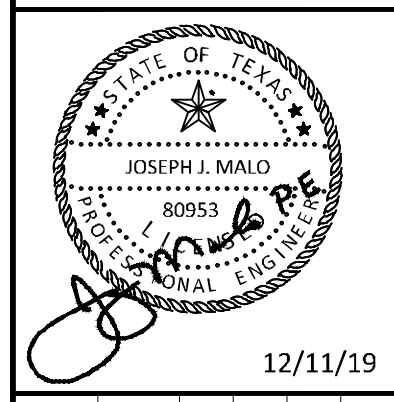
LEGEND

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



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

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

GRADING PLAN

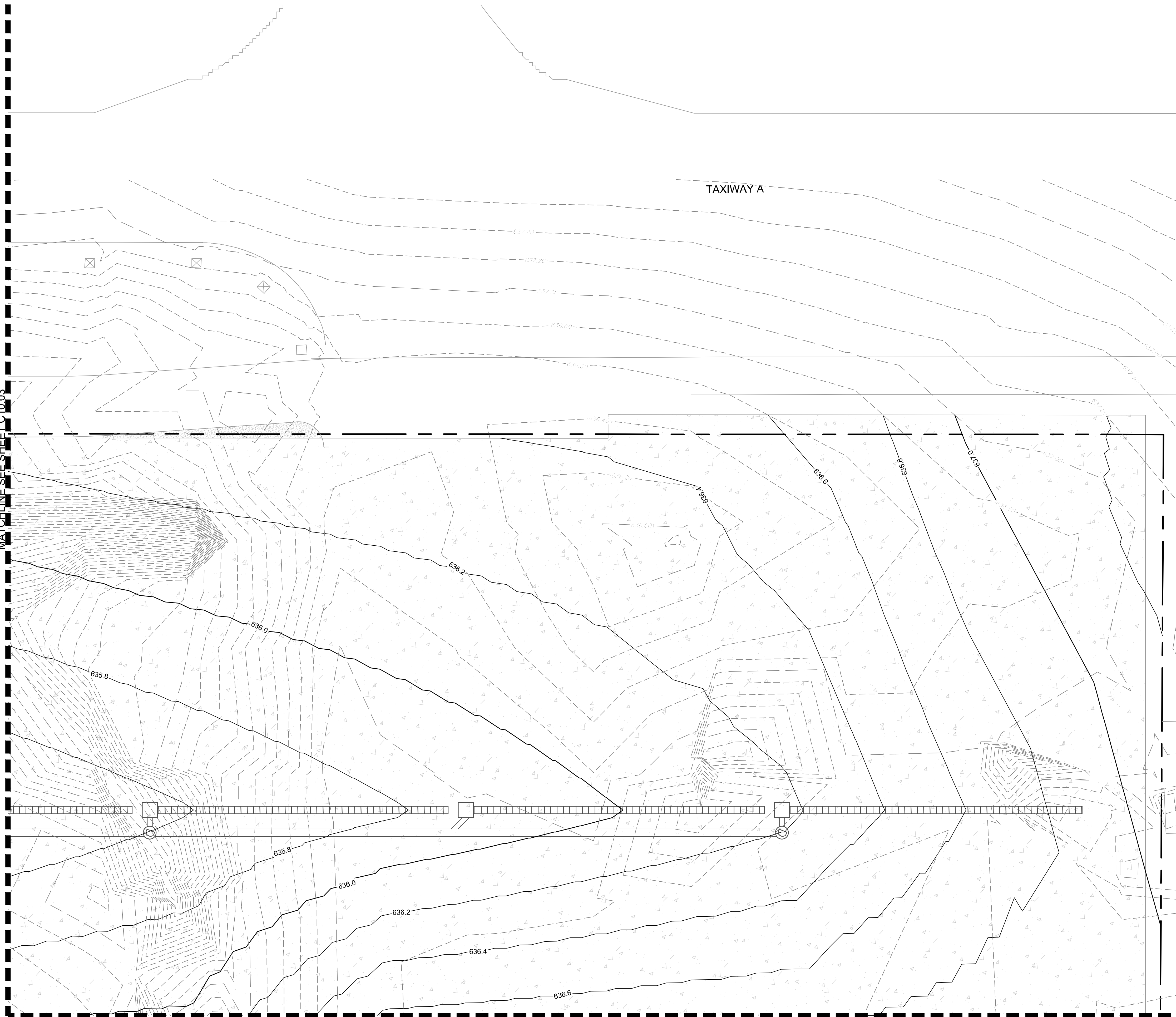
ADDISON GALAXY FBO
 15601 ADDISON RD.
 PREPARED FOR
 BLACK FOREST VENTURE

ADDISON DALLAS, TEXAS

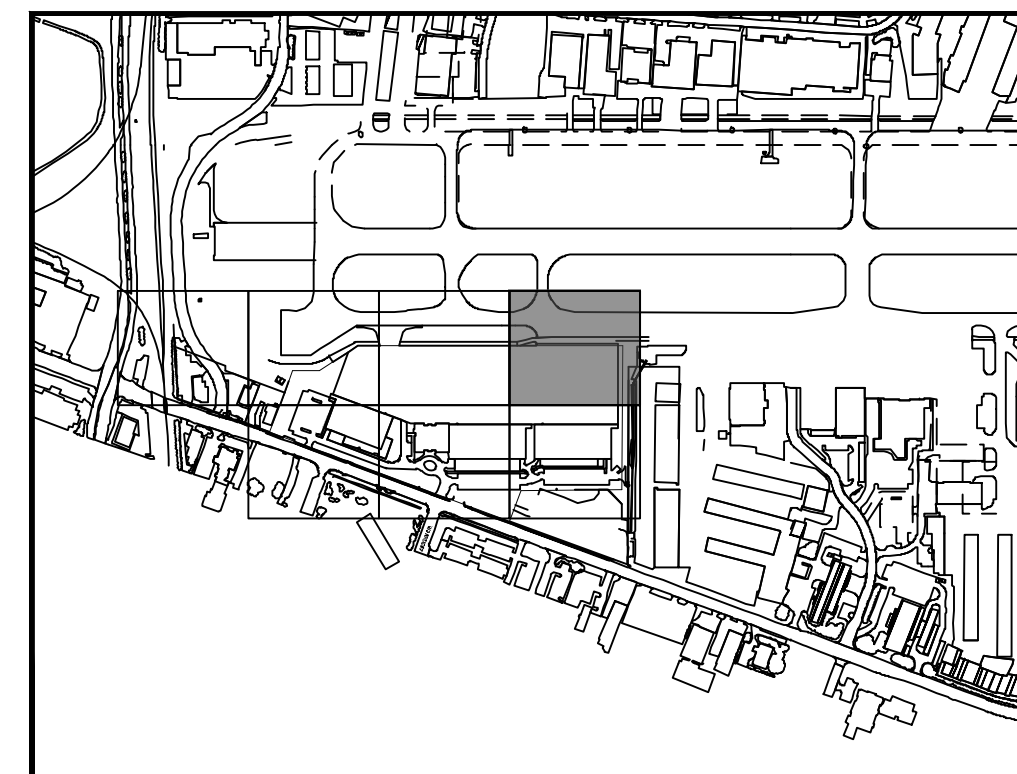
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C10.03

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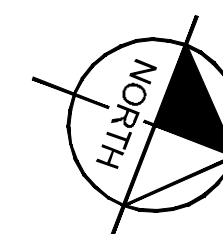
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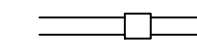
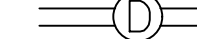
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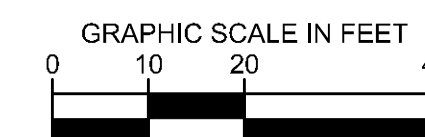


KEY PLAN



LEGEND

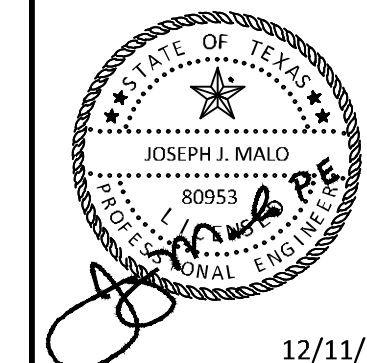
-  629.20 EXISTING CONTOURS
-  636.20 PROPOSED CONTOURS
-  TRENCH DRAIN
-  DRAINAGE INLET
-  DRAINAGE MANHOLE



ADDENDUM #1	JM		
1	09/10/2019		
ADDENDUM #2	JM		
2	10/24/2019		
ADDENDUM #3	JM		
3	12/11/2019		
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12/11/19

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

GRADING PLAN

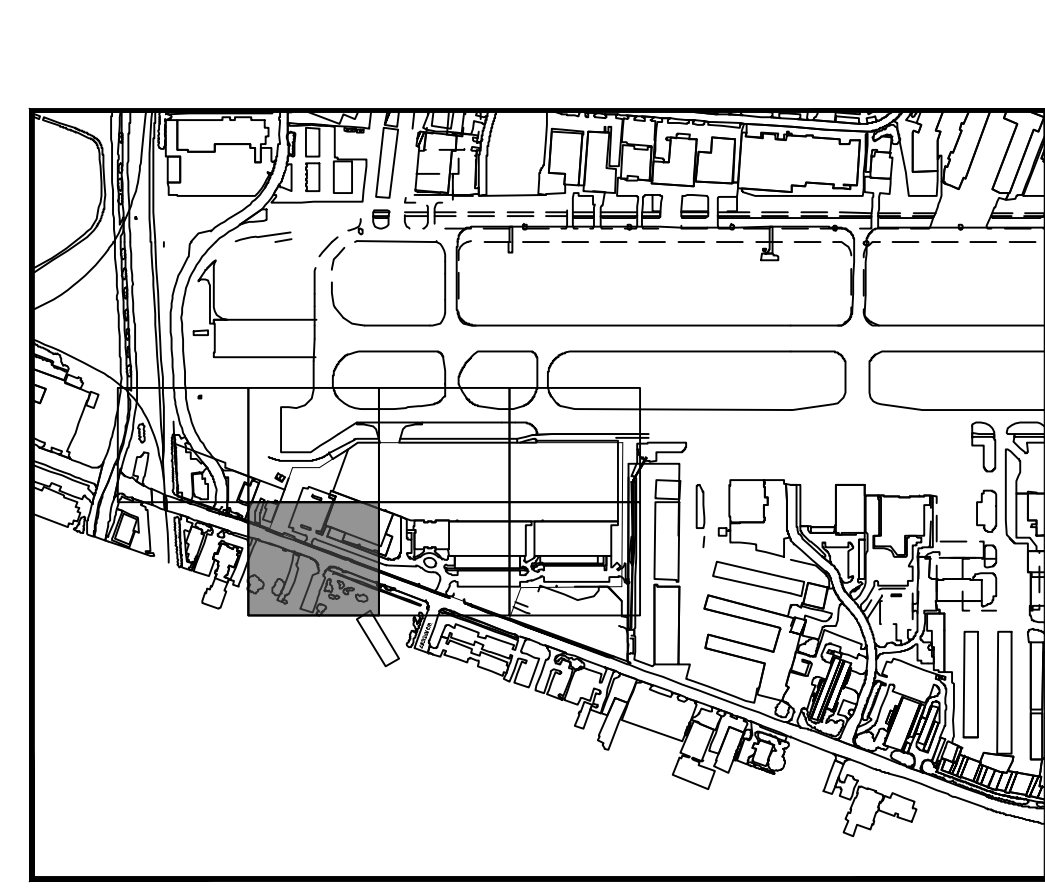
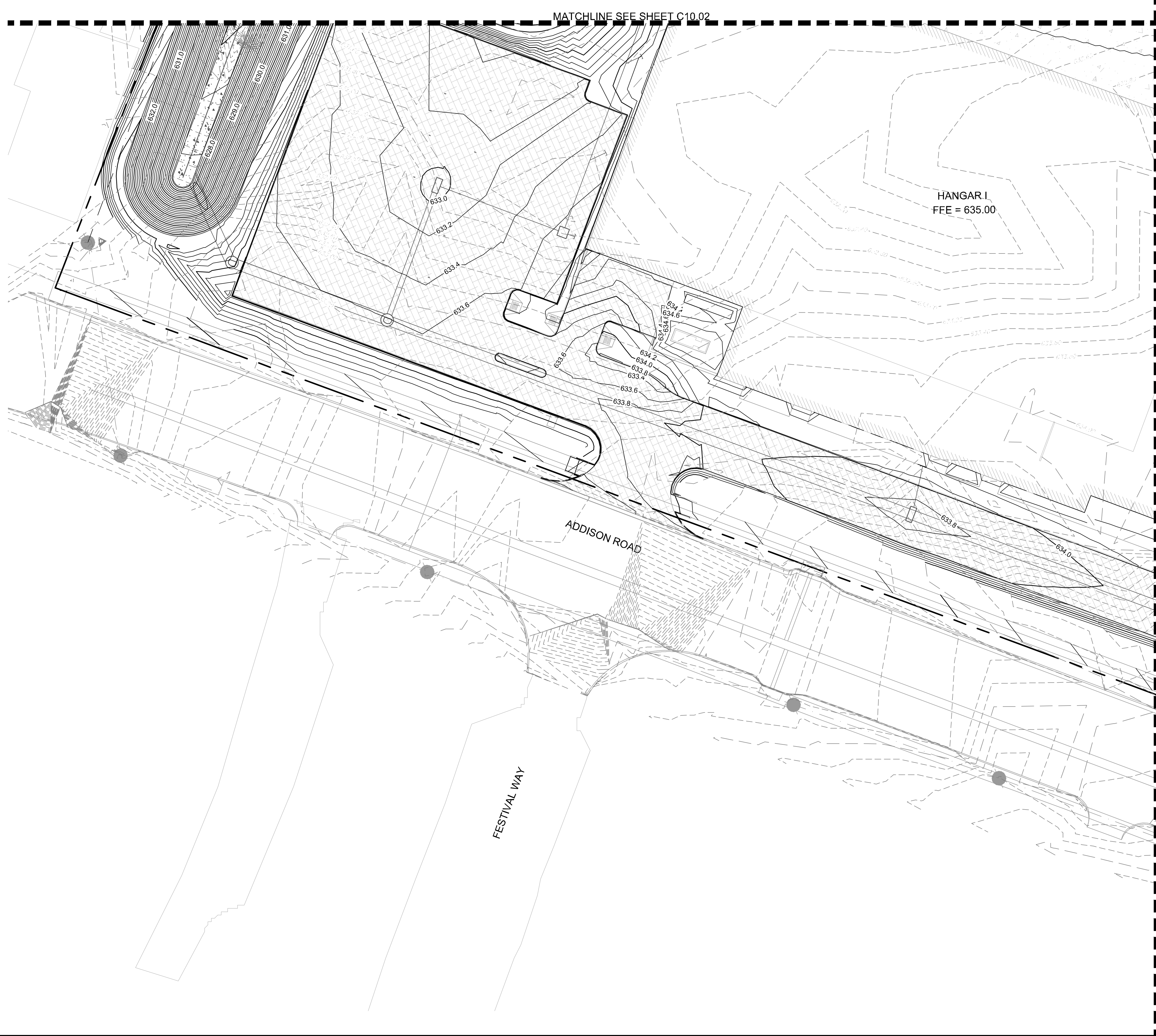
ADDISON GALAXY FBO
 15601 ADDISON RD.
 PREPARED FOR
 BLACK FOREST VENTURE

DALLAS, TEXAS

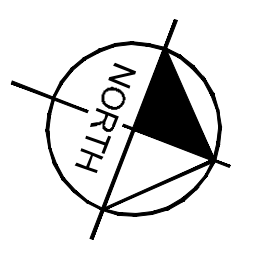
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SHEET NUMBER
C10.04

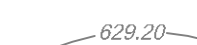
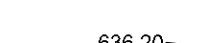

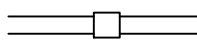

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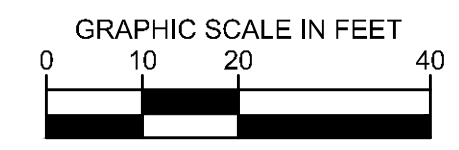


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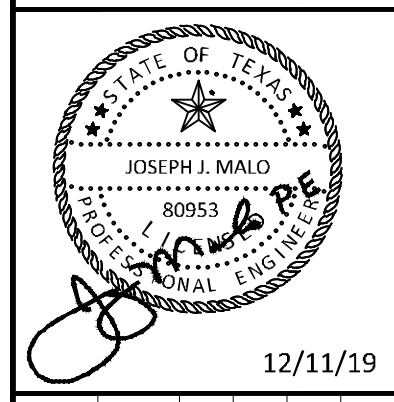
LEGEND

-  EXISTING CONTOURS
-  PROPOSED CONTOURS
-  TRENCH DRAIN
-  DRAINAGE INLET
-  DRAINAGE MANHOLE



ADDENDUM #1	DATE	BY
1	09/10/2019	JM
2	10/24/2019	JM
3	12/11/2019	JM

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

GRADING PLAN

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

ADDISON DALLAS, TEXAS

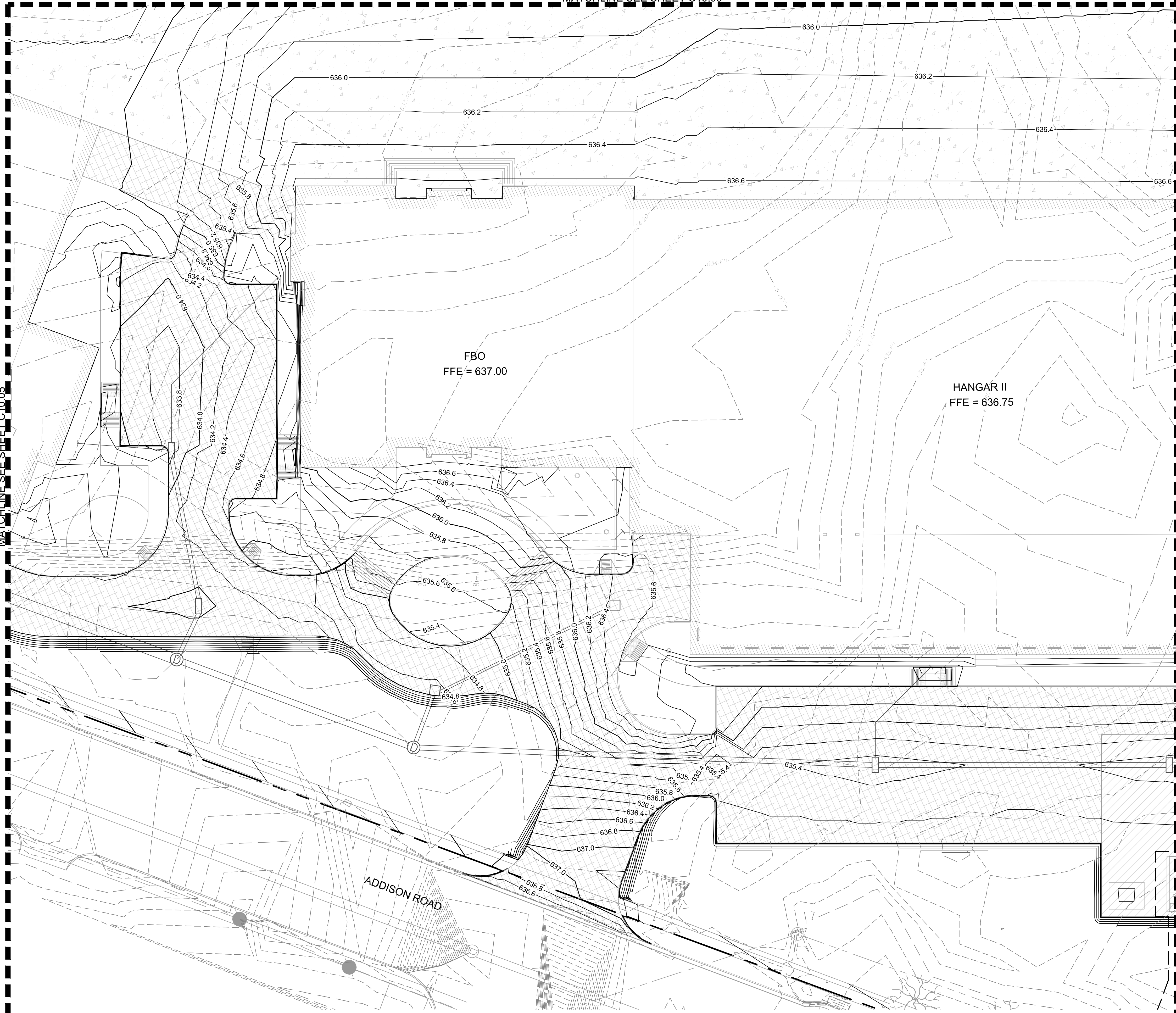
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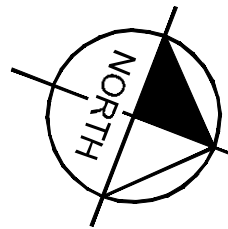
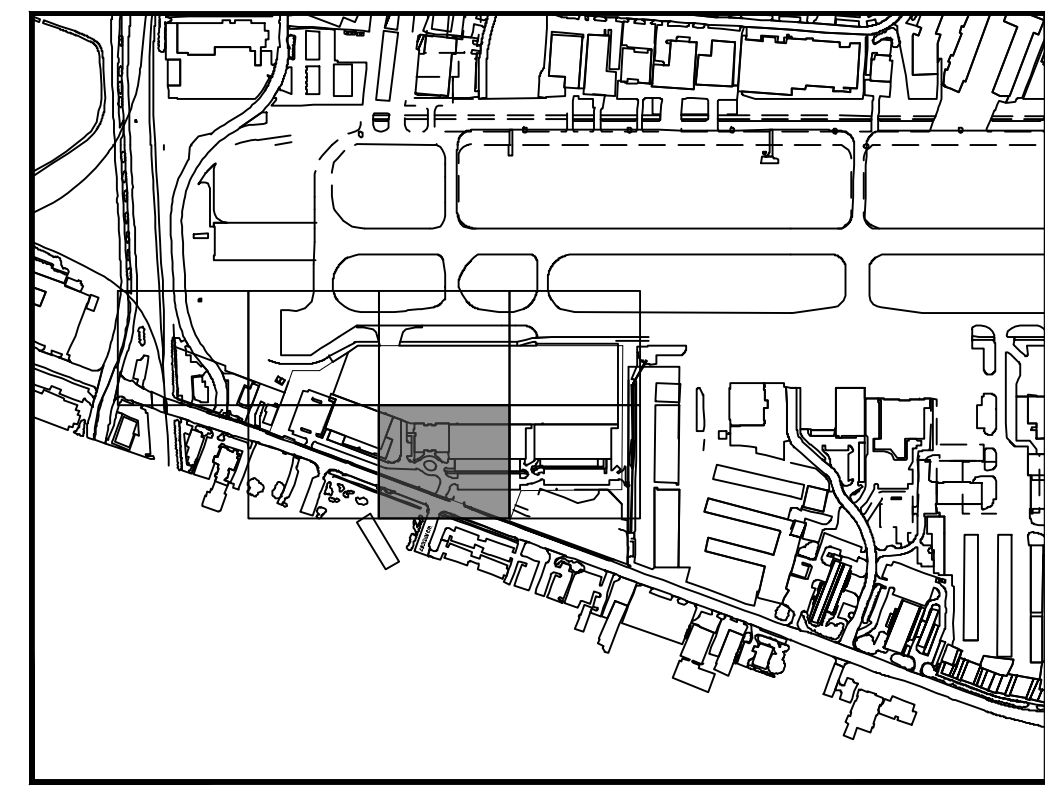
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MATCHLINE SEE SHEET C10.03

MATCHLINE SEE SHEET C10.07

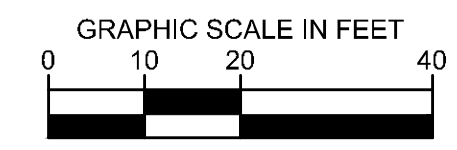


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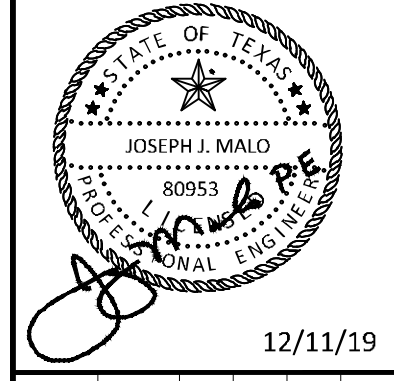
- 636.20 EXISTING CONTOURS
- 636.20 PROPOSED CONTOURS
- TRENCH DRAIN
- DRAINAGE INLET
- DRAINAGE MANHOLE



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

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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

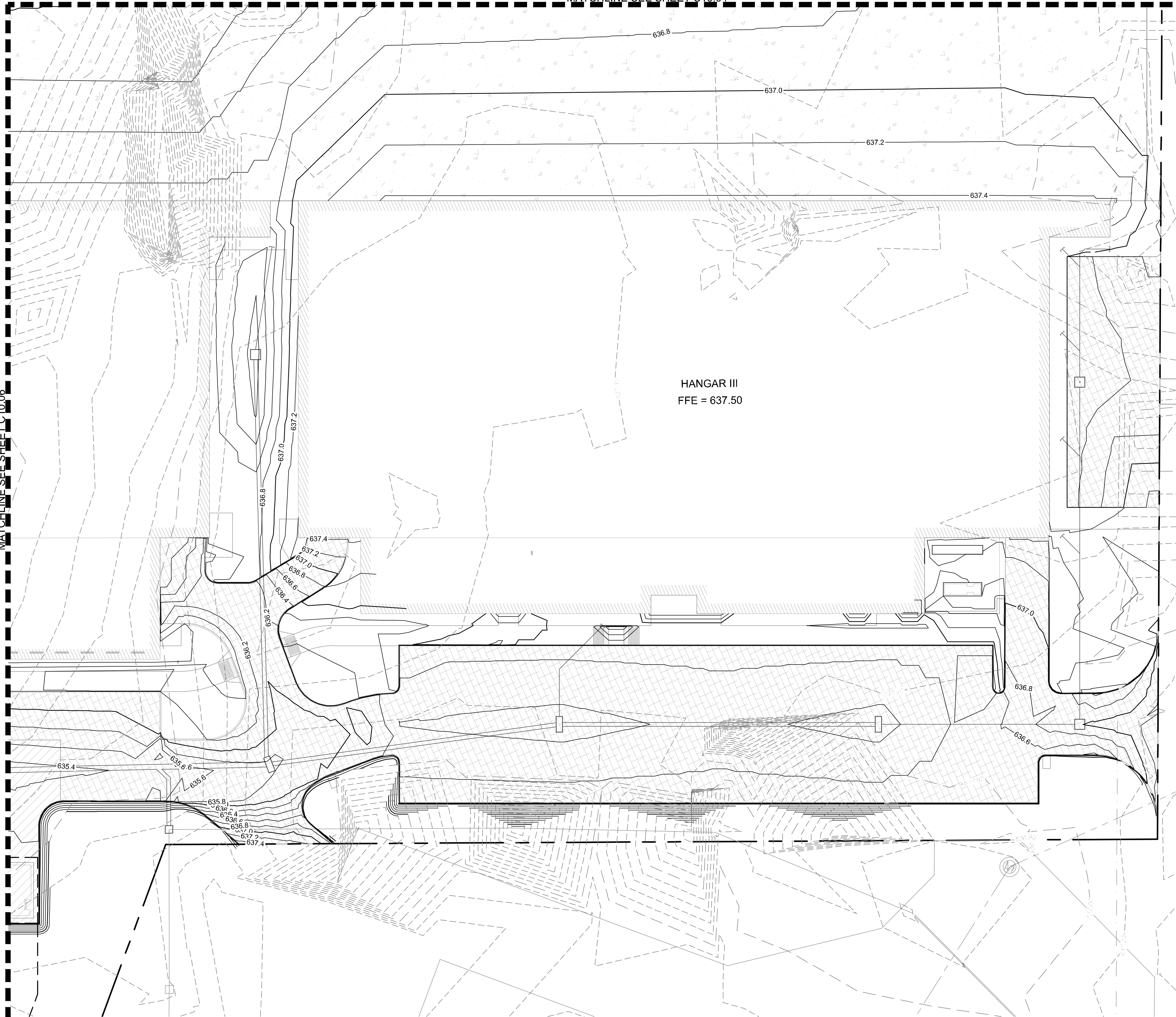
ADDISON

SHEET NUMBER
C10.06

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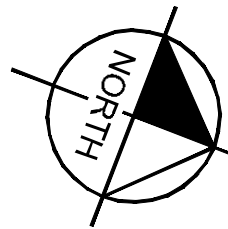
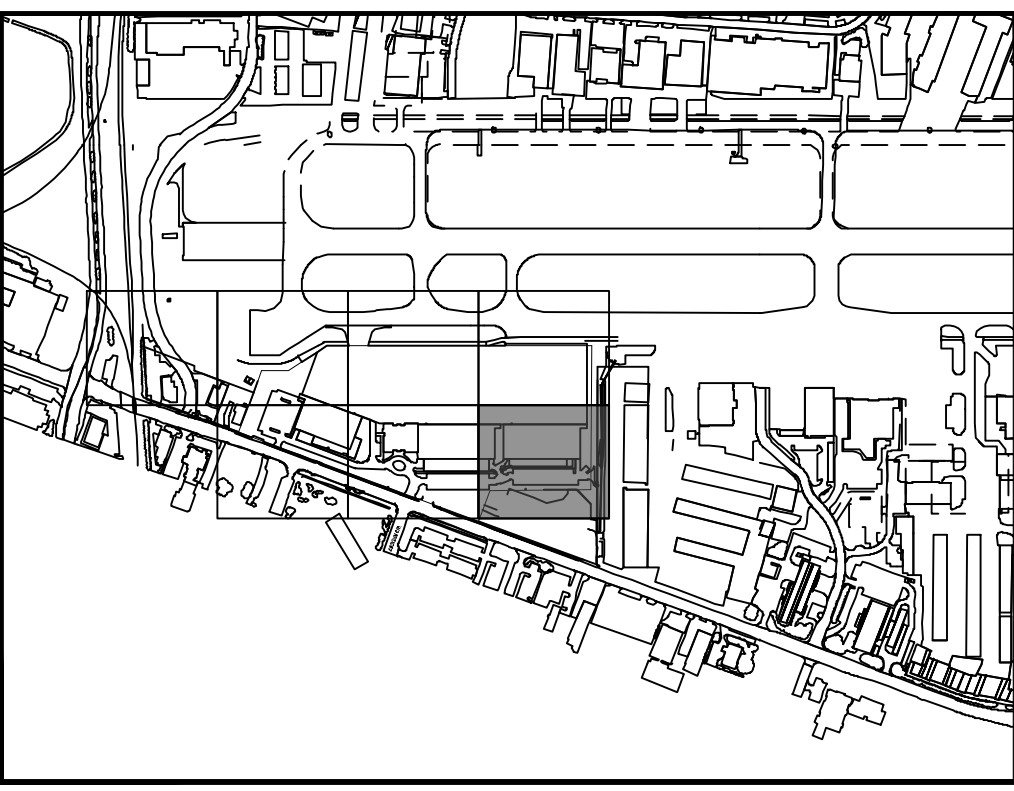
MATCHLINE SEE SHEET C10.06

MATCHLINE SEE SHEET C10.04



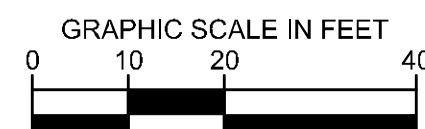
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KEY PLAN



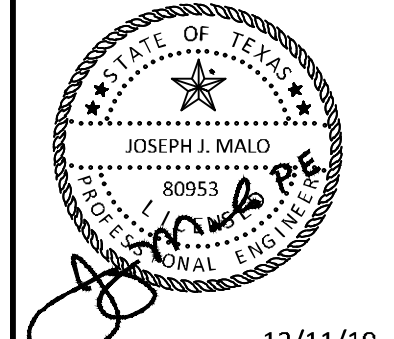
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- EXISTING CONTOURS
- PROPOSED CONTOURS
- TRENCH DRAIN
- DRAINAGE INLET
- DRAINAGE MANHOLE



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

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 PHONE: 281-475-2816
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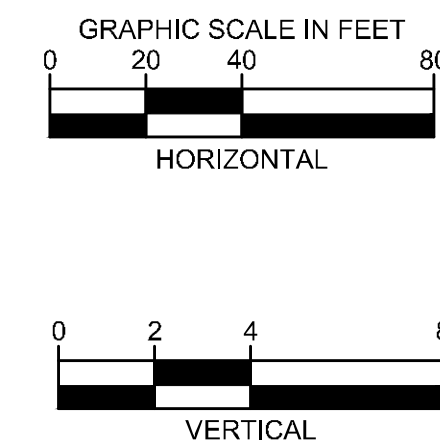
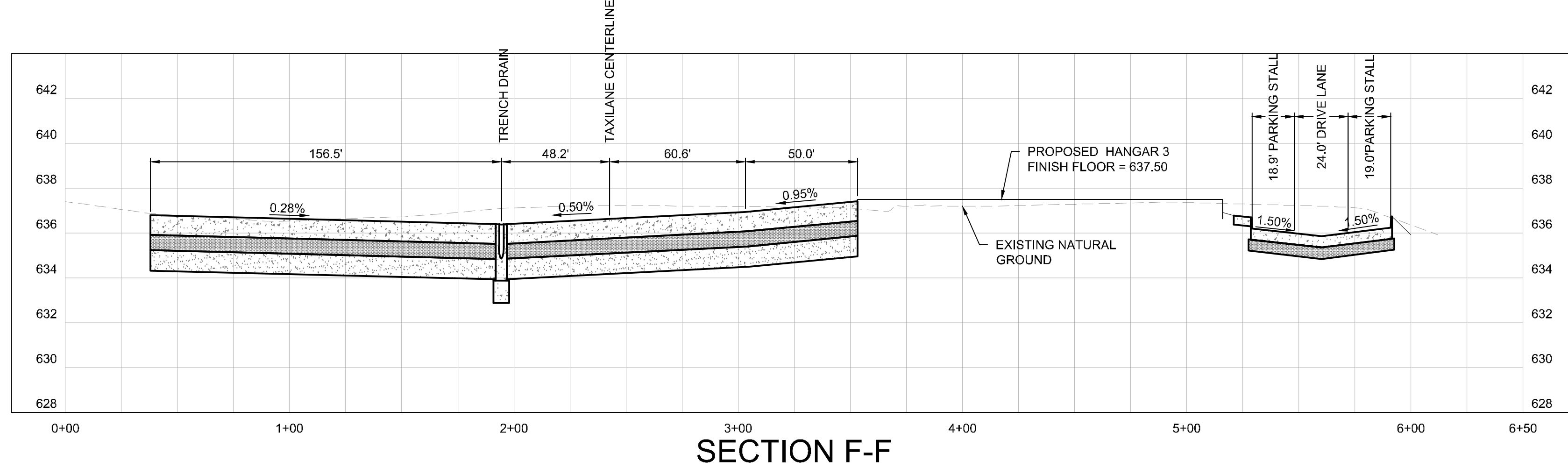
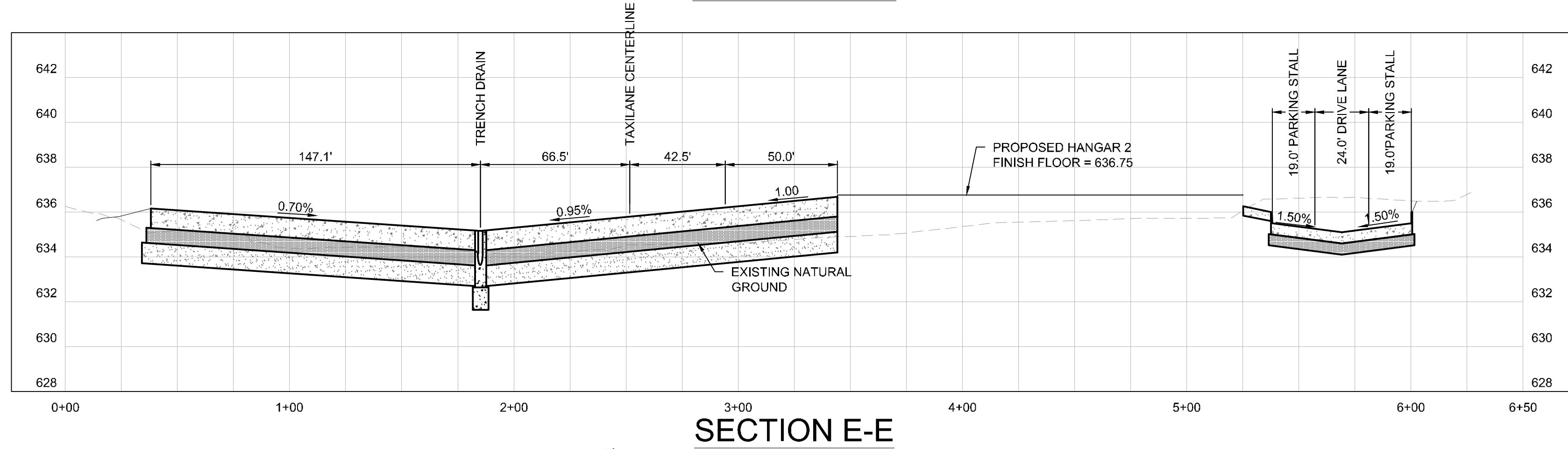
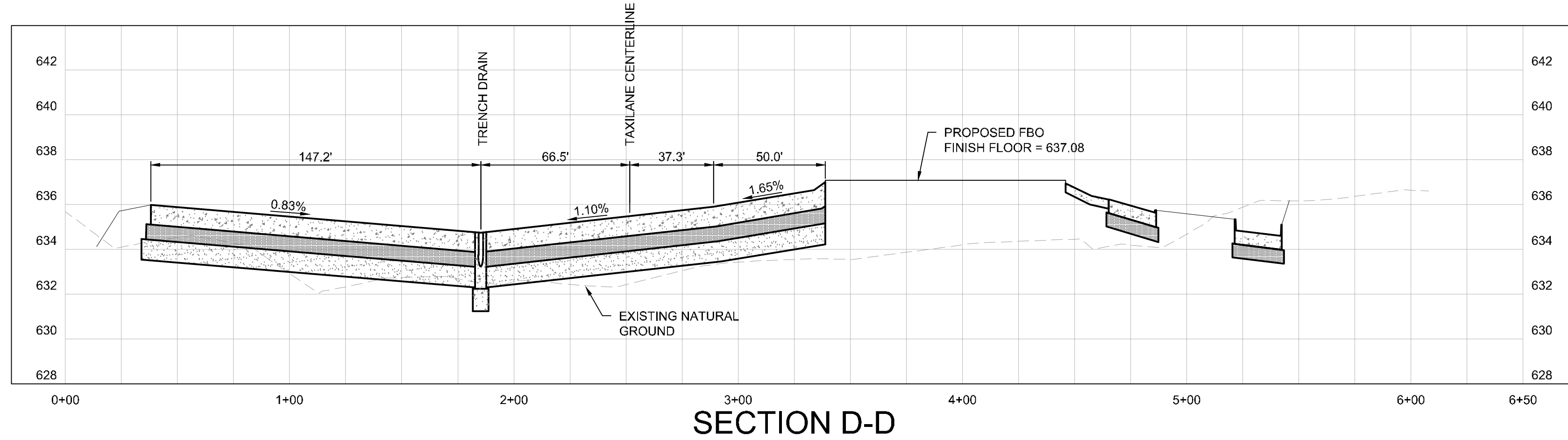
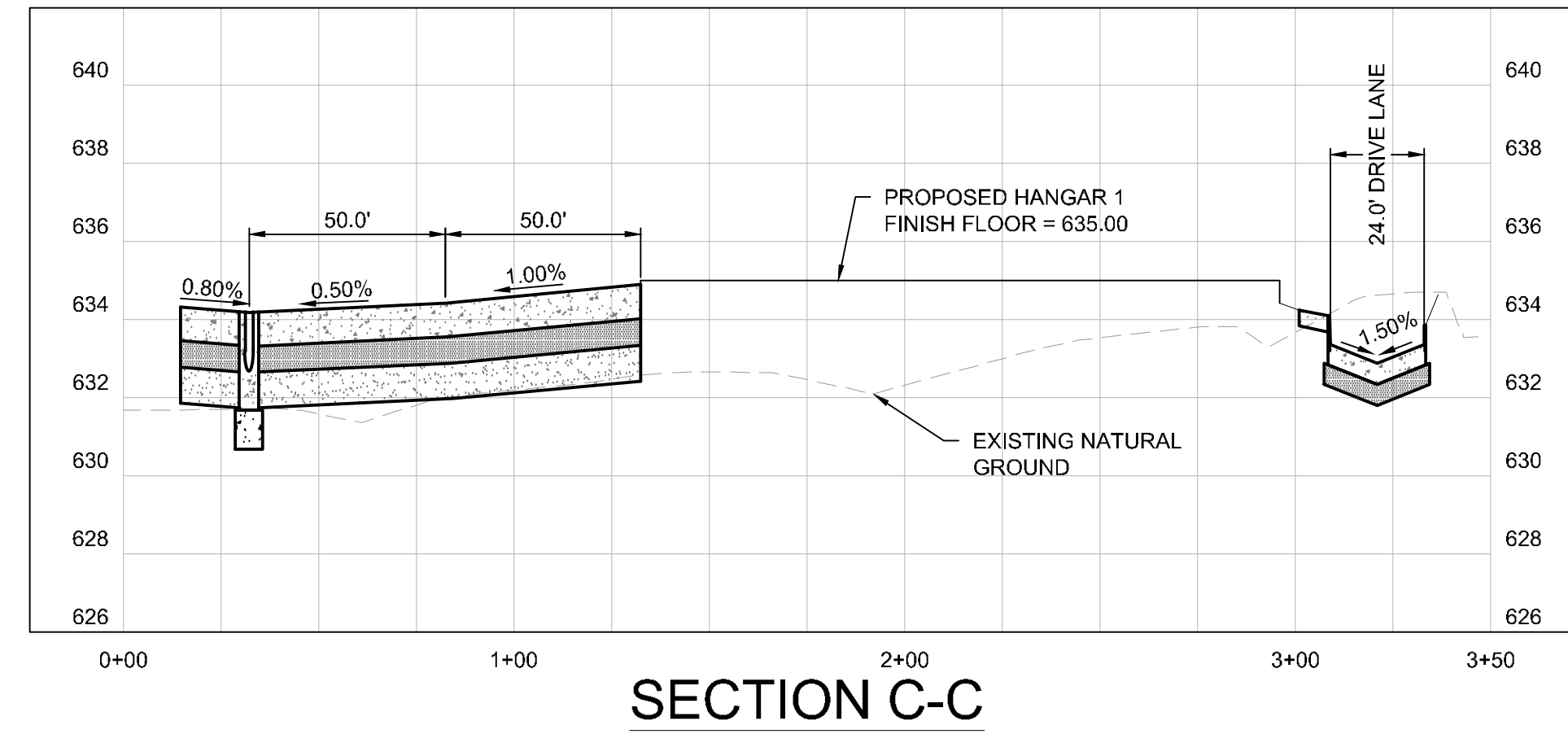
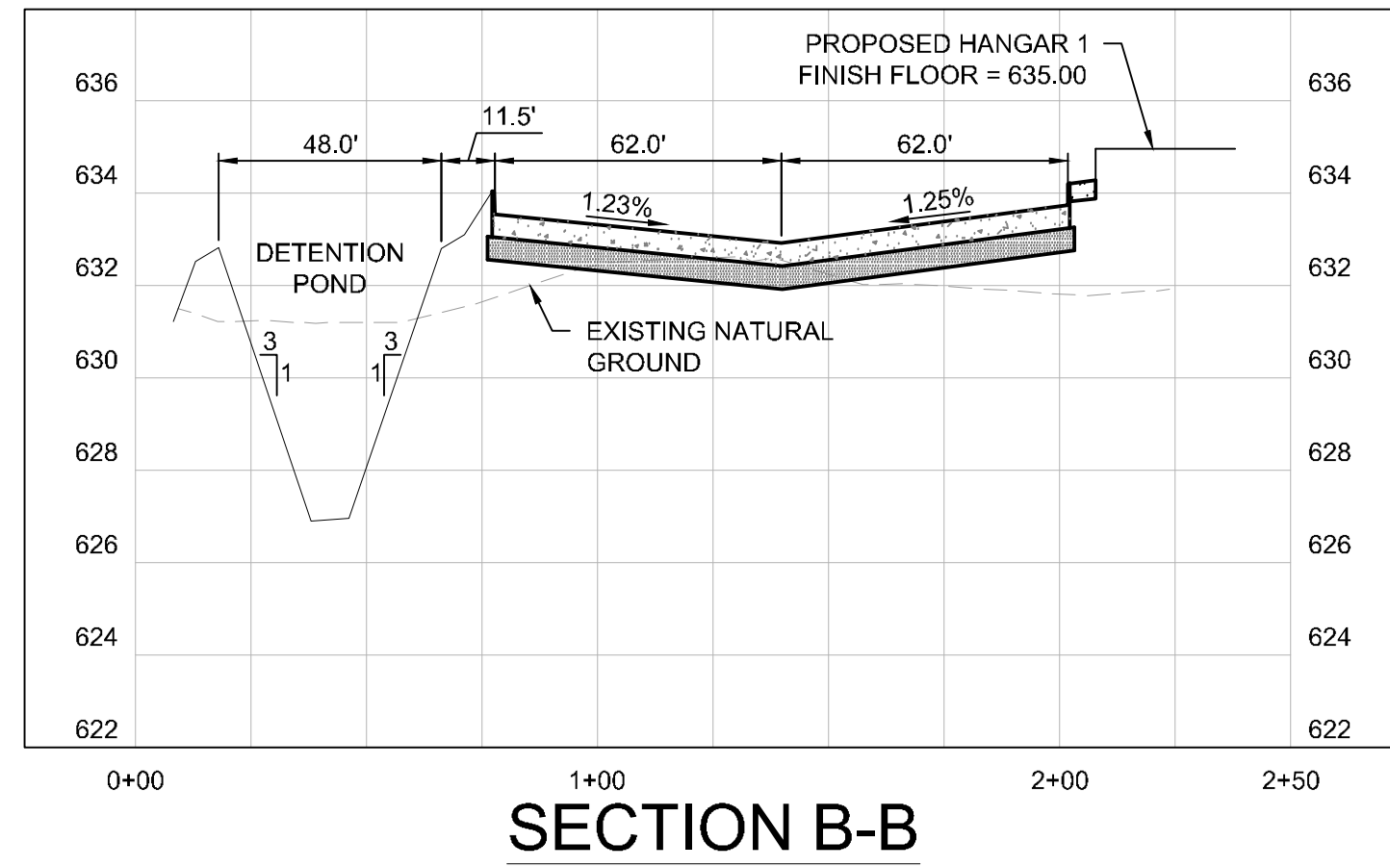
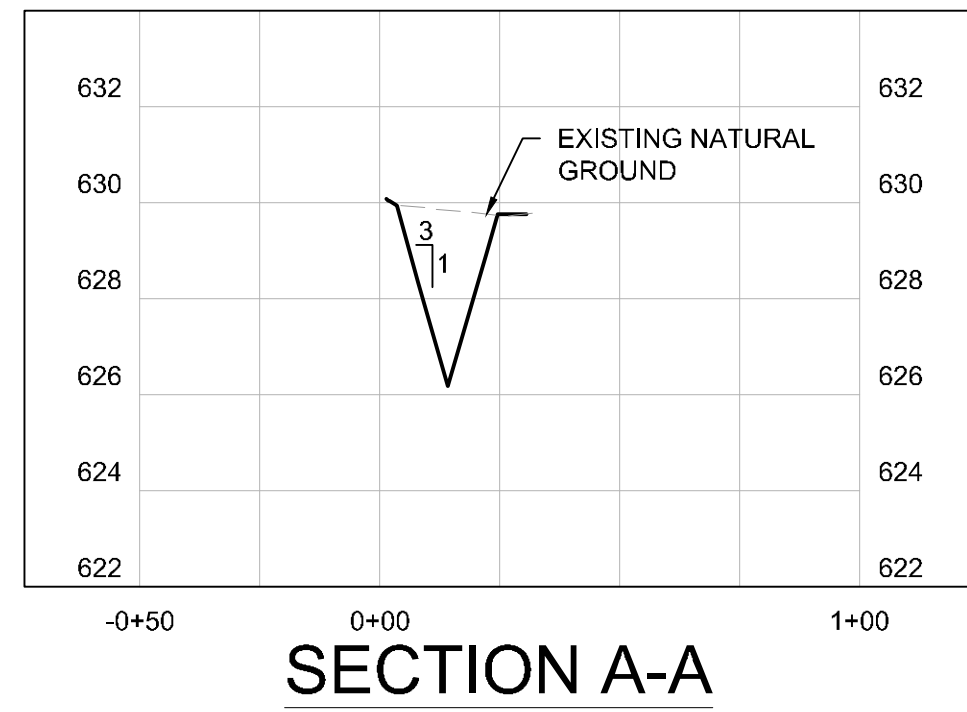


KHA PROJECT	067792503
DATE	12/11/2019
SCALE	AS SHOWN
DESIGNED BY	HCV
DRAWN BY	EC EAC
CHECKED BY	HCV

GRADING PLAN

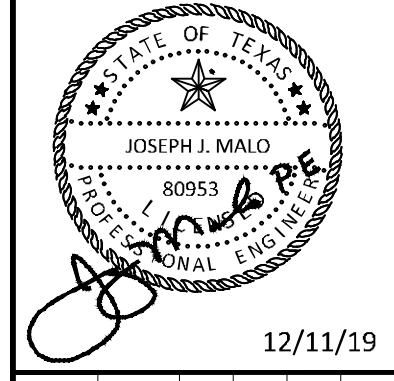
ADDISON GALAXY FBO
 15601 ADDISON RD.
 PREPARED FOR
 BLACK FOREST VENTURE
 DALLAS, TEXAS
 ADDISON
 SHEET NUMBER
C10.07

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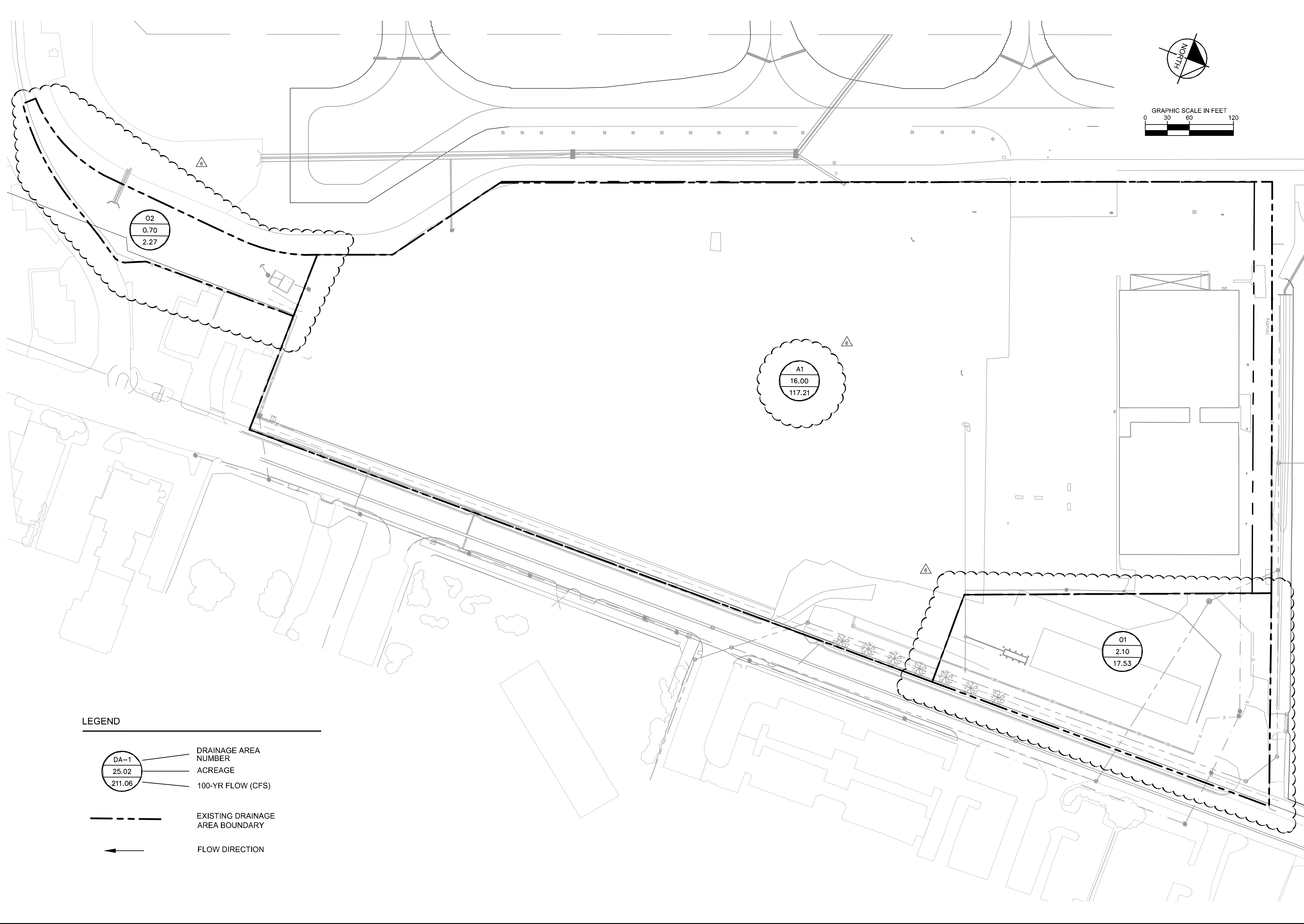
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DATE	12/11/2019
SCALE	AS SHOWN
DESIGNED BY	HCV
DRAWN BY	EC
CHECKED BY	HCV

GRADING SECTIONS

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

SHEET NUMBER
C10.08

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LEGEND

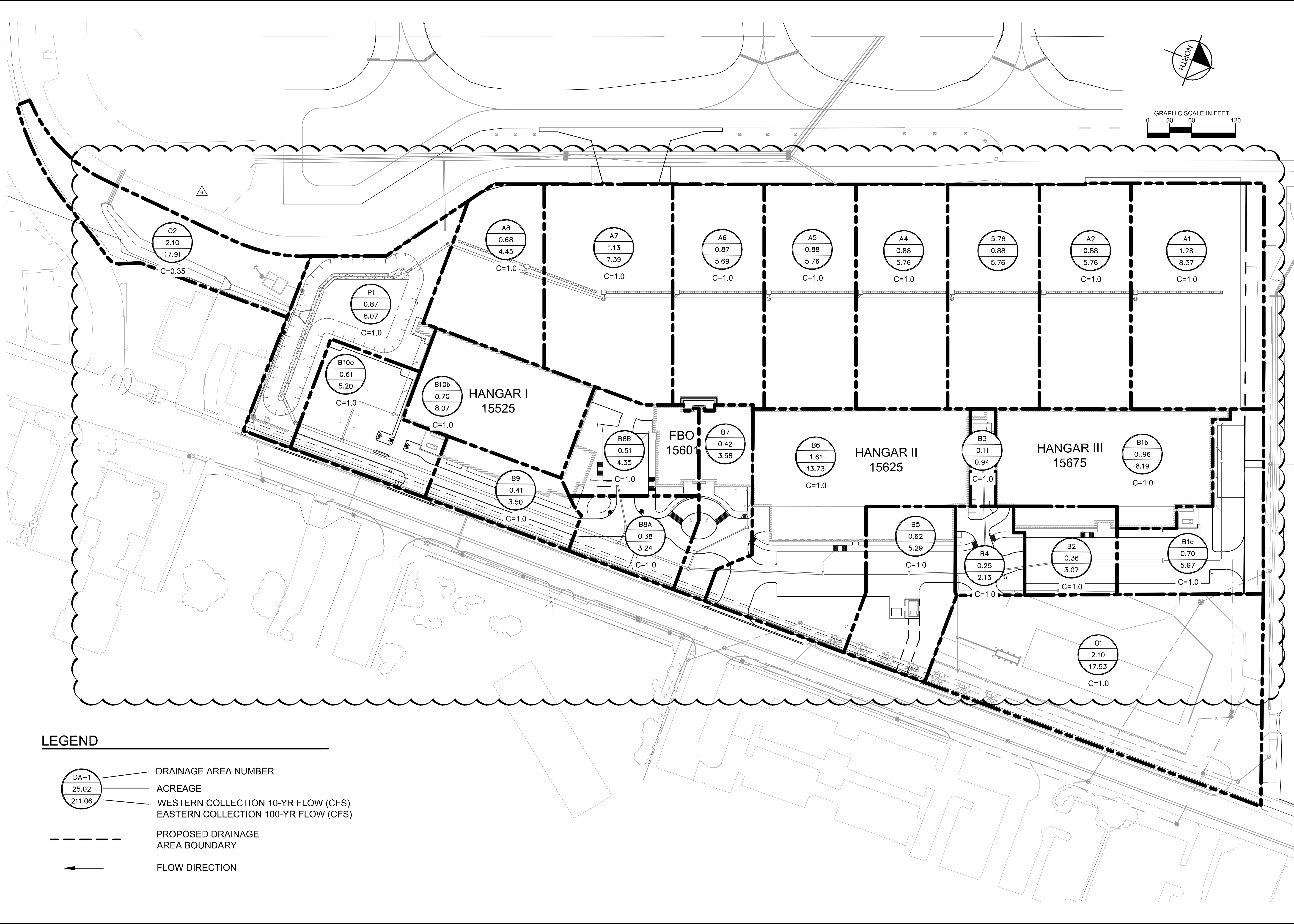
DRAINAGE AREA NUMBER
 ACREAGE
 100-YR FLOW (CFS)

EXISTING DRAINAGE AREA BOUNDARY

FLOW DIRECTION

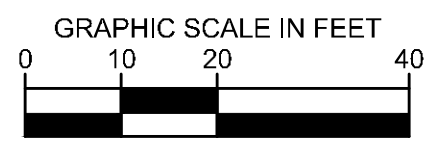
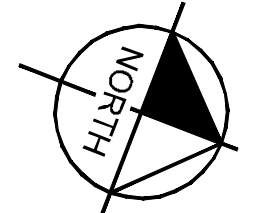
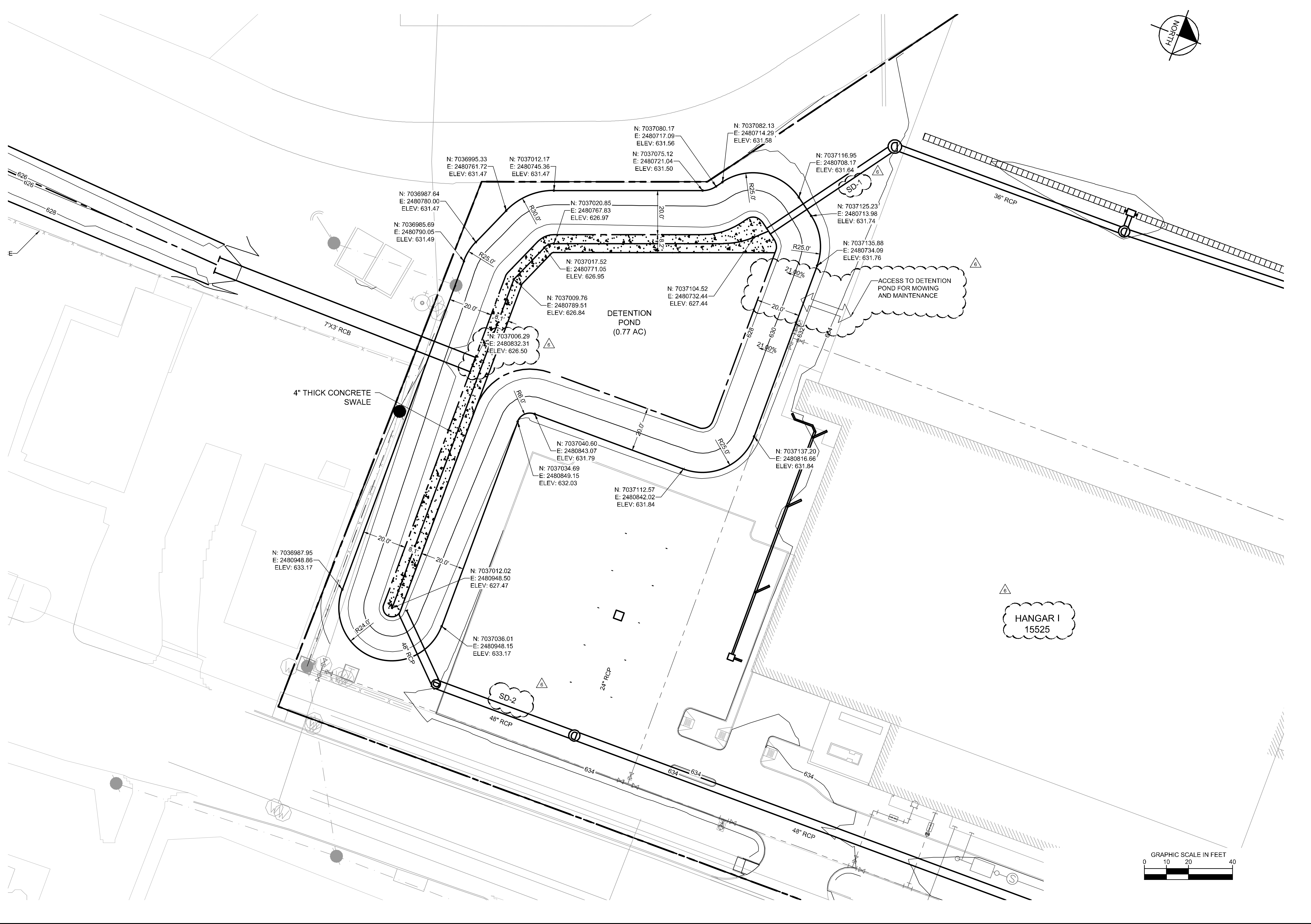
KHA PROJECT 067792503		KIMLEY-HORN AND ASSOCIATES, INC.	
DATE 12/11/2019		© 2019 KIMLEY-HORN AND ASSOCIATES, INC.	
SCALE AS SHOWN		1400 WOODLICK FOREST DRIVE, SUITE 225	
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CHECKED BY HCV		WWW.KIMLEY-HORN.COM	
ADDISON GALAXY FBO 15601 ADDISON RD. PREPARED FOR BLACK FOREST VENTURE			
SHEET NUMBER C11.00			
ADDISON DALLAS, TEXAS		ADDENDUM #1 09/10/2019 JM ADDENDUM #5 10/24/2019 JM ADDENDUM #6 12/11/2019 JM	
REVISIONS		DATE BY	

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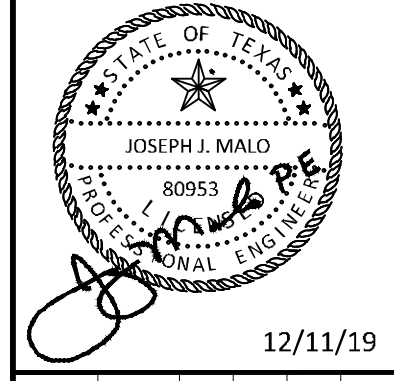
ADDISON GALAXY FBO 15601 ADDISON RD. PREPARED FOR BLACK FOREST VENTURE DALLAS, TEXAS	KHA PROJECT 067792503	DATE 12/11/2019	SCALE AS SHOWN	DESIGNED BY HCV	DRAWN BY EC EAC	CHECKED BY HCV	12/11/19
	PROPOSED DRAINAGE AREA MAP						
	ADDISON GALAXY FBO 15601 ADDISON RD. PREPARED FOR BLACK FOREST VENTURE DALLAS, TEXAS						
	SHEET NUMBER C11.01						
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APPENDUM #1 A	APPENDUM #5 5	APPENDUM #6 6	DATE 09/10/2019 JM	DATE 10/24/2019 JM	DATE 12/11/2019 JM	DATE 12/11/2019 JM	DATE 12/11/2019 JM

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3	JM	12/11/2019	JM
4			
5			
6			

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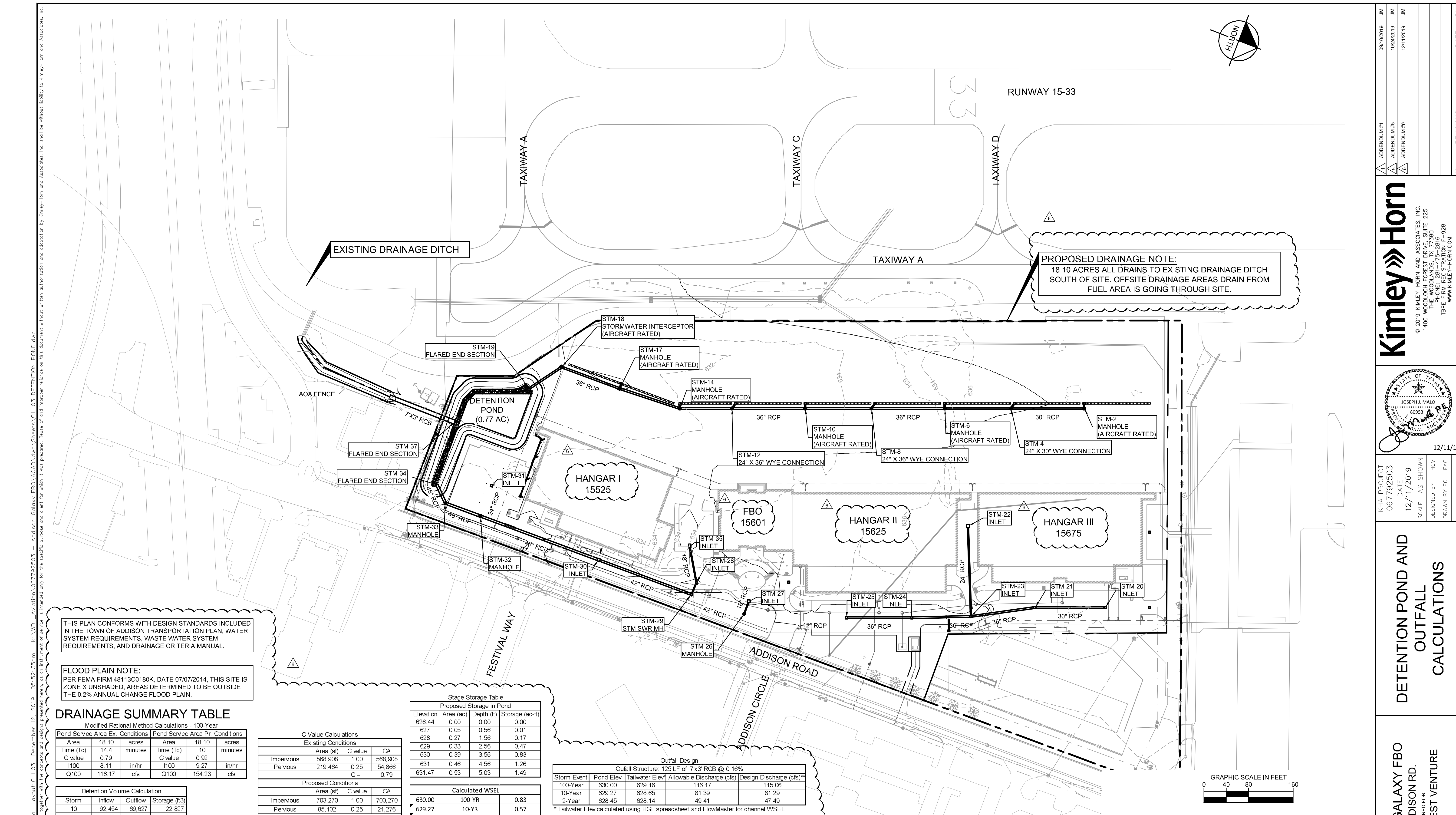


KHA PROJECT	DATE	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY
067792503	12/11/2019	AS SHOWN	HCV	EAC	HCV

**DETENTION POND
 LAYOUT PLAN**

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

SHEET NUMBER
C11.04



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

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

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

Outfall Design
Outfall Structure: 125 LF of 7x3 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'	LENGTH	PIPE				SLOPE	MANNING'S n	DESIGN CAPACITY (cfs)	FALL (ft)	MANHOLE DROP (ft)	FLOWLINE ELEVATION		DESIGN VELOCITY (ft/s)	HYD GRAD	Hv (ft)	COEF K _j	H _j (ft)	HGL ELEV		HGL DIFF (ft)
				L (ft)	H (ft)	A (sf)	P (ft)						Downstream (ft)	Upstream (ft)						Downstream*	Upstream	
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
BLACK FOREST VENTURES
24 WATERWAY AVE., SUITE 225
THE WOODLANDS, TX. 77380

ENGINEERING/APPLICANT
KIMLEY-HORN
1400 WOODLOCH FOREST DR., SUITE 225
THE WOODLANDS, TX. 77380

PROPOSED SUBDIVISION NAME: ADDISON 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 ADDISON NUMBER: 2019-09D
PREPARATION DATE: 7/15/2019

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THE WOODLANDS, TX 77380
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WWW.KIMLEY-HORN.COM

STATE OF TEXAS
JOSEPH J. MALO
80953
PROFESSIONAL ENGINEER

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

REVISIONS

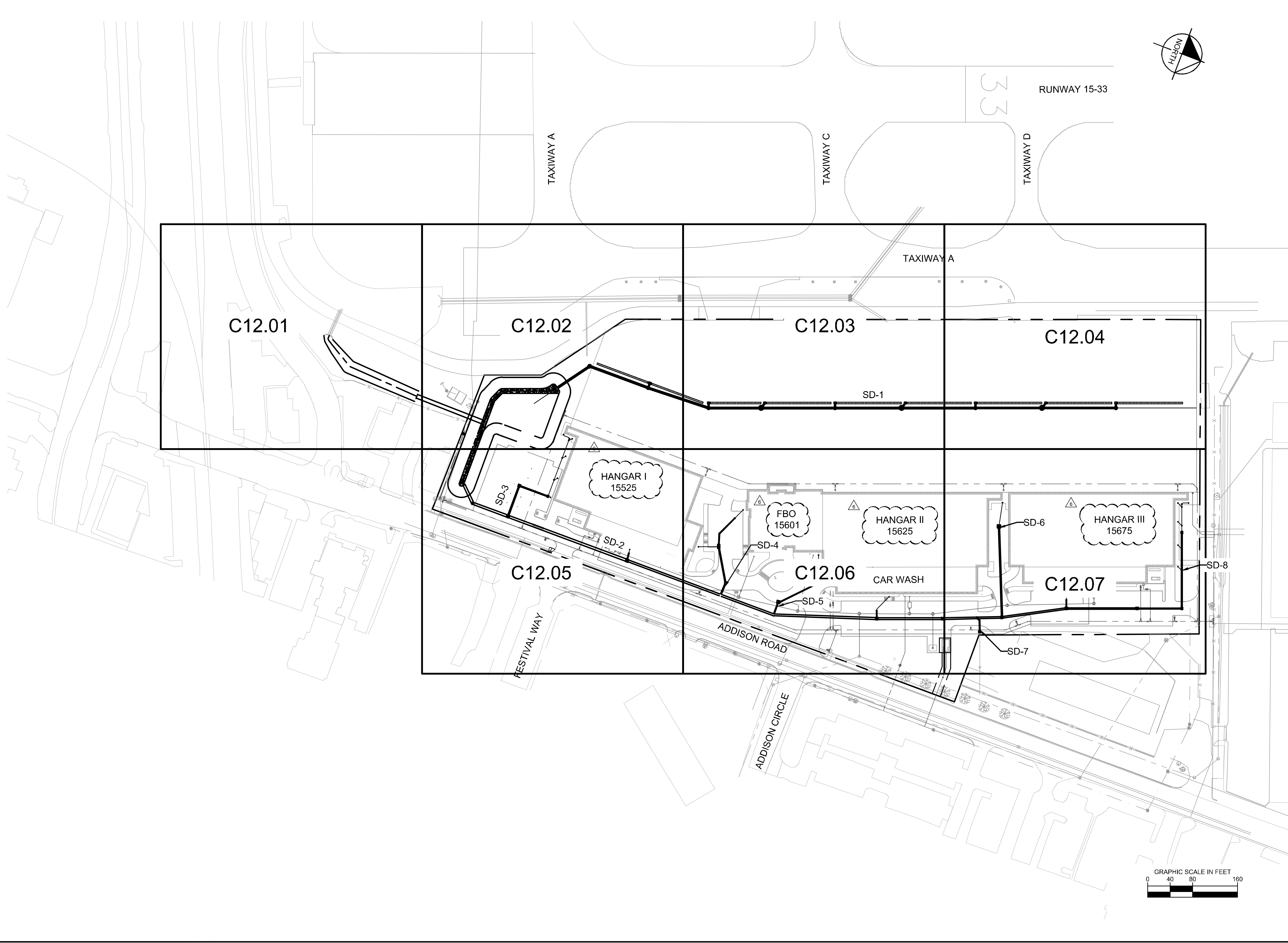
No.	DATE	BY
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2	10/24/2019	JM
3	12/11/2019	JM

ADDISON GALAXY FBO
15601 ADDISON RD.
BLACK FOREST VENTURE

ADDISON DALLAS, TEXAS

SHEET NUMBER: C11.03

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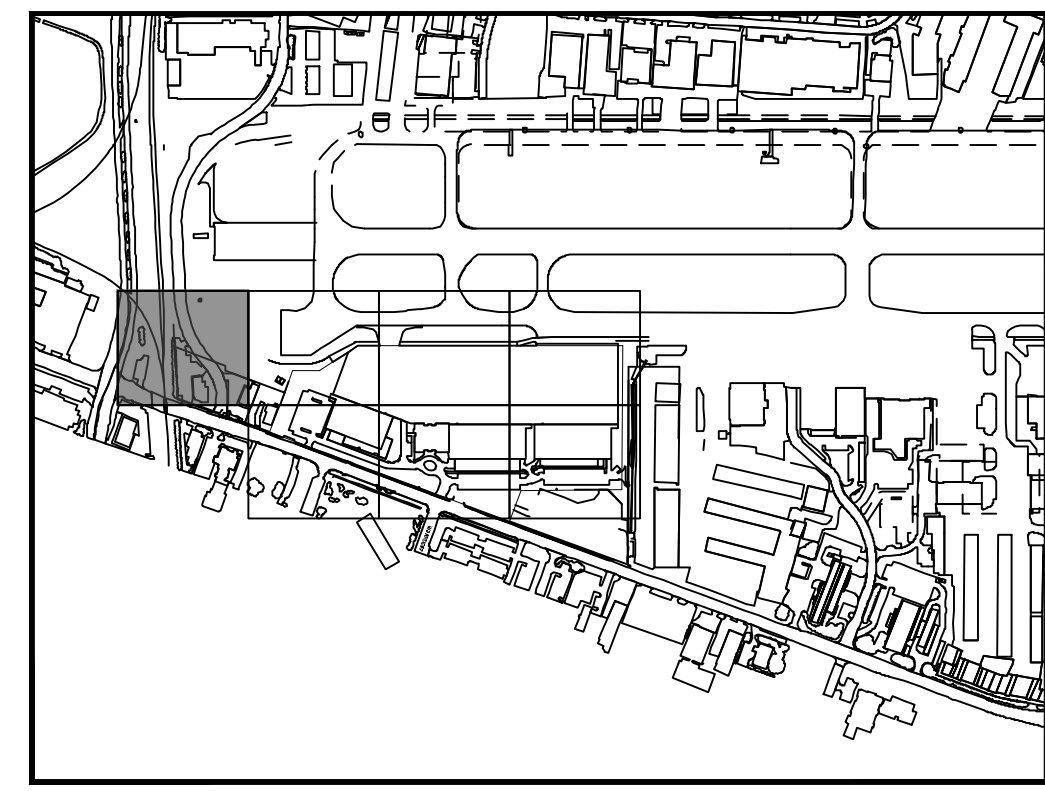


ADDISON GALAXY FBO 15601 ADDISON RD. PREPARED FOR BLACK FOREST VENTURE	DALLAS, TEXAS ADDISON	SHEET NUMBER C12.00	
		STORM DRAINAGE PLAN KEY MAP	
		KHA PROJECT 067792503	DATE 12/11/2019
SCALE AS SHOWN		DESIGNED BY HCV	DRAWN BY EC EAC
CHECKED BY HCV		12/11/19	
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ADDENDUM #3 12/11/2019 JM	ADDENDUM #4 12/11/2019 JM	ADDENDUM #5 12/11/2019 JM	ADDENDUM #6 12/11/2019 JM
No.	REVISIONS	DATE	BY

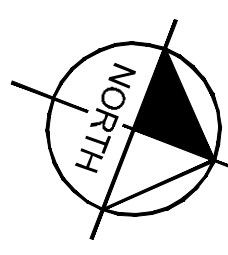
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MATCHLINE SEE SHEET C12.02



KEY PLAN



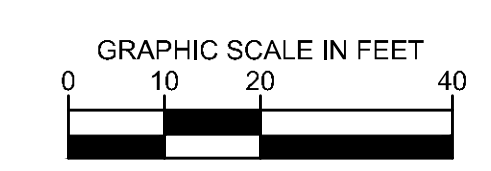
- NOTE**
- AIRCRAFT RATED STRUCTURES SHALL BE CAPABLE OF SUPPORTING A MINIMUM OF 100,000 LBS.
 - SEE MEP FOR ROOF DRAIN CONNECTIONS.
 - SEE DETAIL 2 ON SHEET C12.10 FOR STORM DRAIN PIPE BEDDING.
 - UTILITY CROSSINGS ARE TO BE CONCRETE ENCASED AT ALL TIMES IN ORDER TO PROTECT AGAINST WEIGHT AND FUTURE SETTLING.
 - STORM DRAIN PIPE WITHIN AIRSIDE MUST BE CLASS V.
 - ALL HDPE STORM PIPES CONNECTED TO ROOF DRAINS ARE CONSIDERED PRIVATE AND WILL NOT BE MAINTAINED BY THE TOWN OF ADDISON.
 - 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, DATE 07/07/2014. THIS SITE IS LOCATED IN UNSHADED ZONE X. AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANGE FLOOD PLAIN.

LEGEND

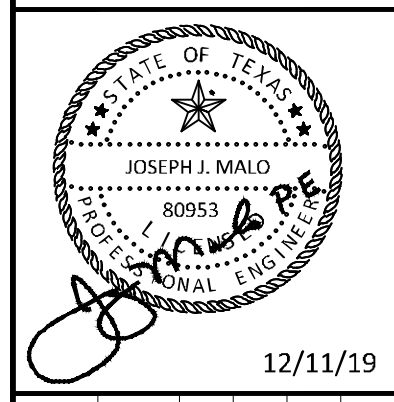
- TRENCH DRAIN
- DRAINAGE INLET
- DRAINAGE MANHOLE



ADDENDUM #1	DATE	BY
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2	10/24/2019	JM
3	12/11/2019	JM

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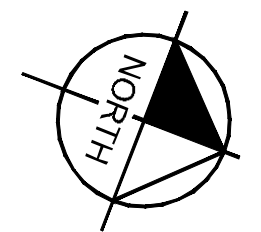
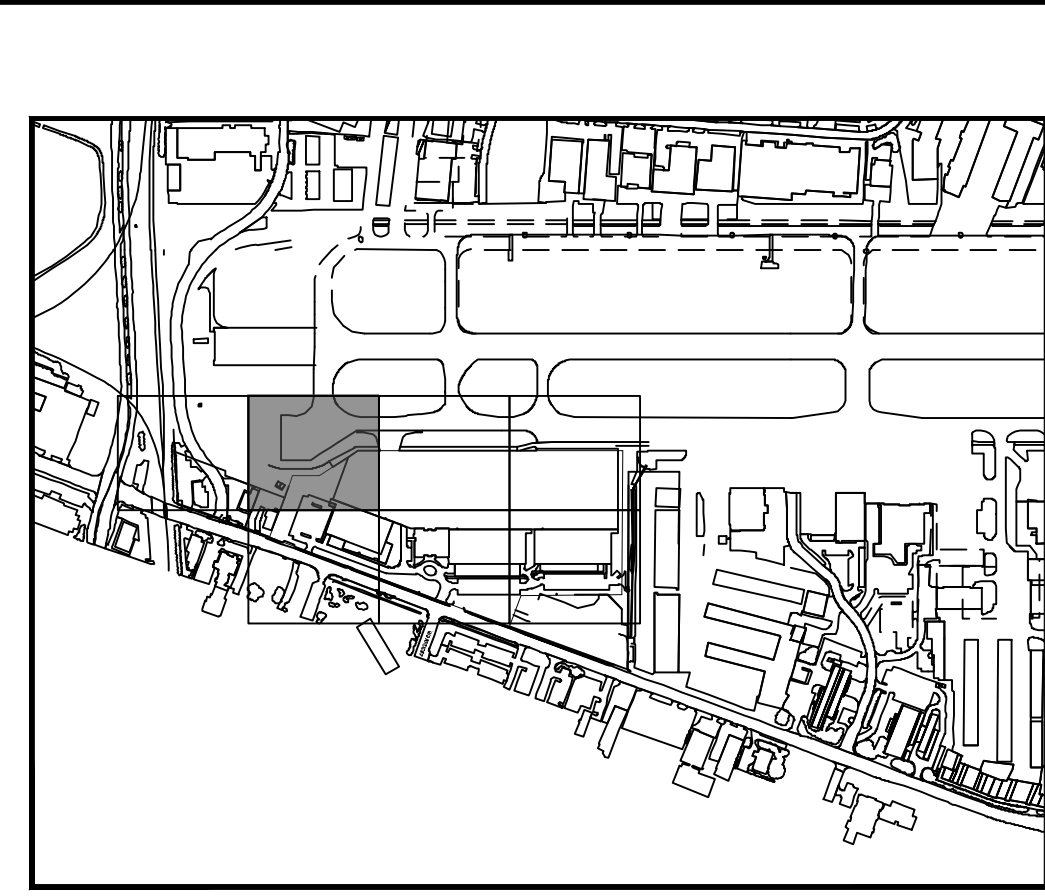
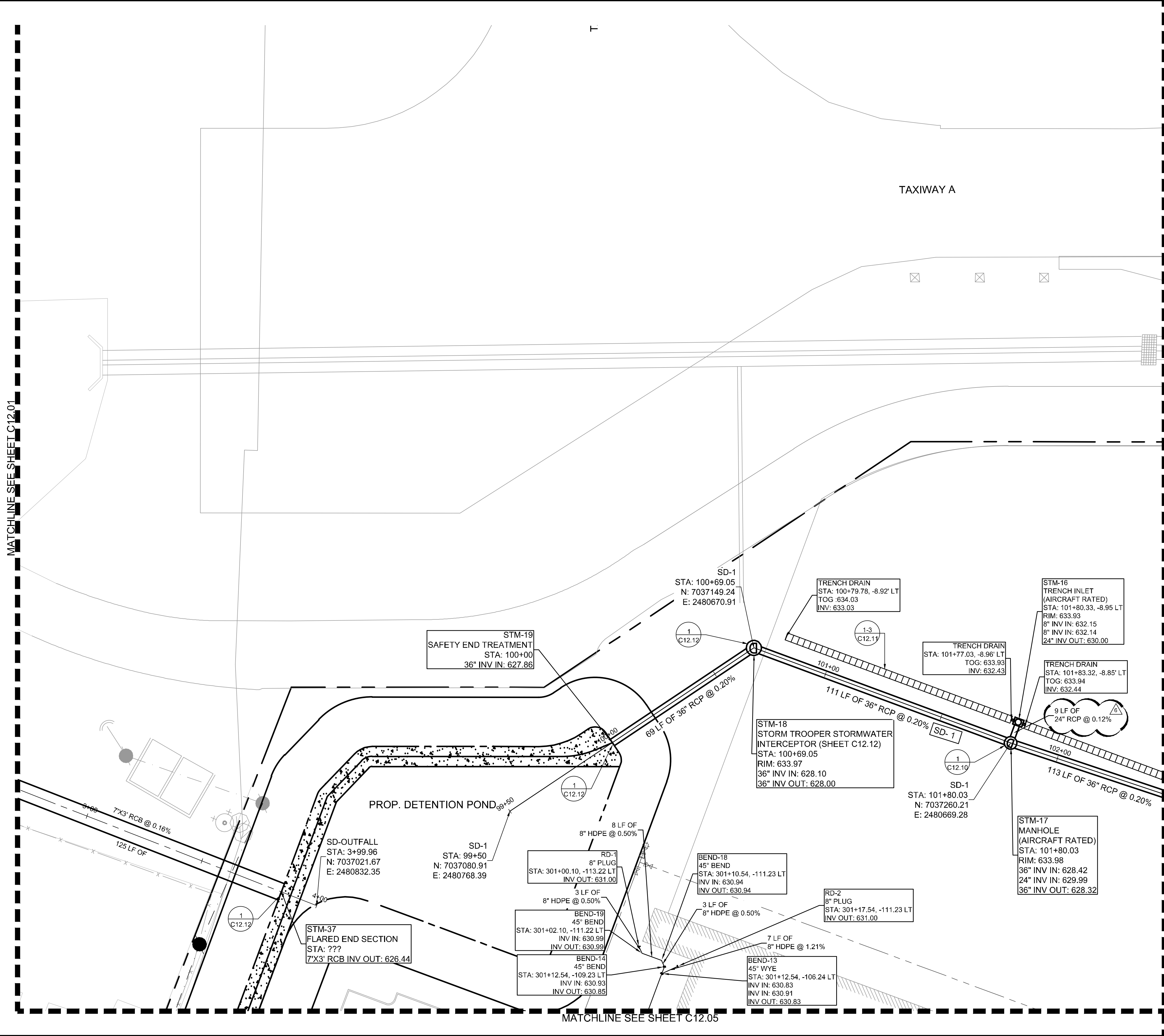
STORM DRAINAGE PLAN

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

DALLAS, TEXAS

SHEET NUMBER
C12.01

Plotted By: Lamiar, Morgan. Sheet: Sdkkha Layout: C12.02. December 12, 2019. 05:53:44pm. K:\V\A\Addison\067792503 - Addison Galaxy FBO\ACAD\Draw\Sheets\C12.00 DRAINAGE PLAN.dwg
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LEGEND

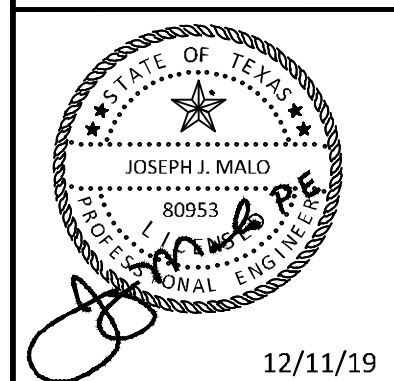
- TRENCH DRAIN
- DRAINAGE INLET
- DRAINAGE MANHOLE

GRAPHIC SCALE IN FEET
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ADDENDUM #1	ADDENDUM #5	ADDENDUM #6	No.	REVISIONS	DATE	BY
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3					12/11/2019	JM

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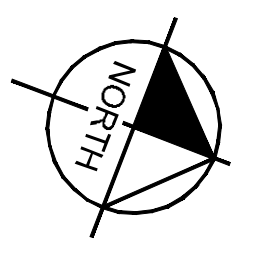
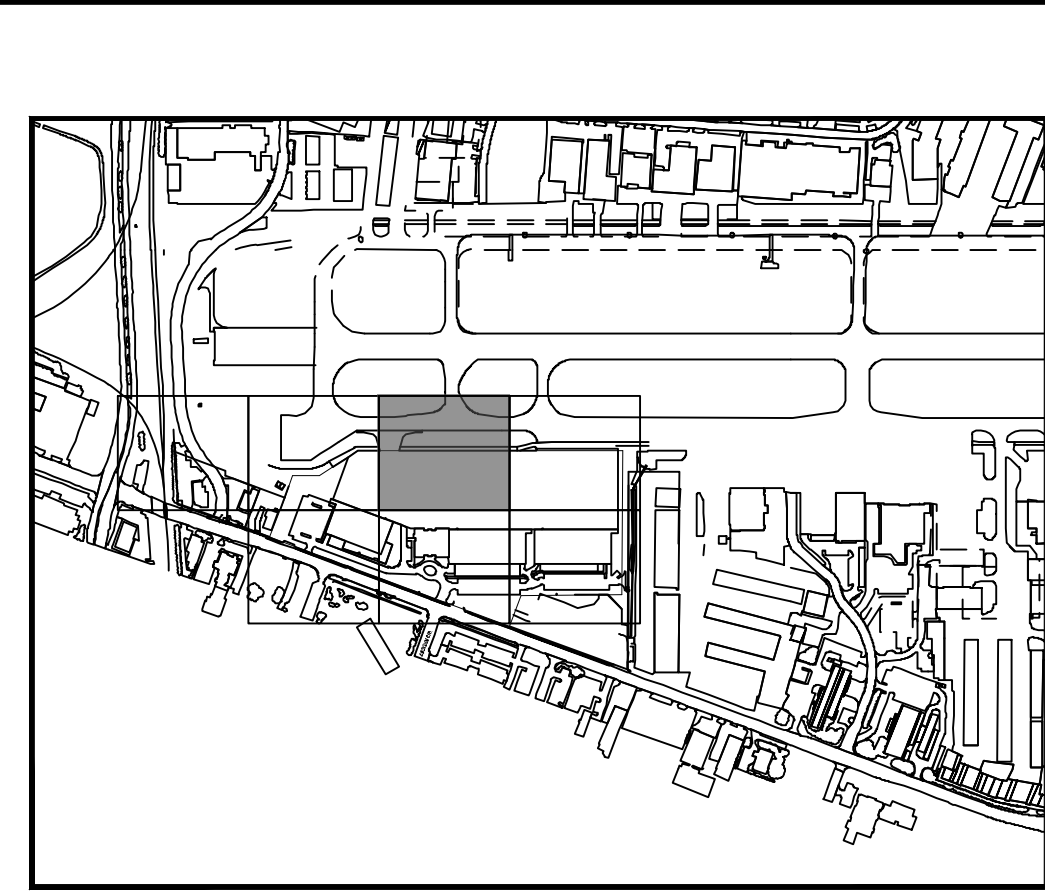
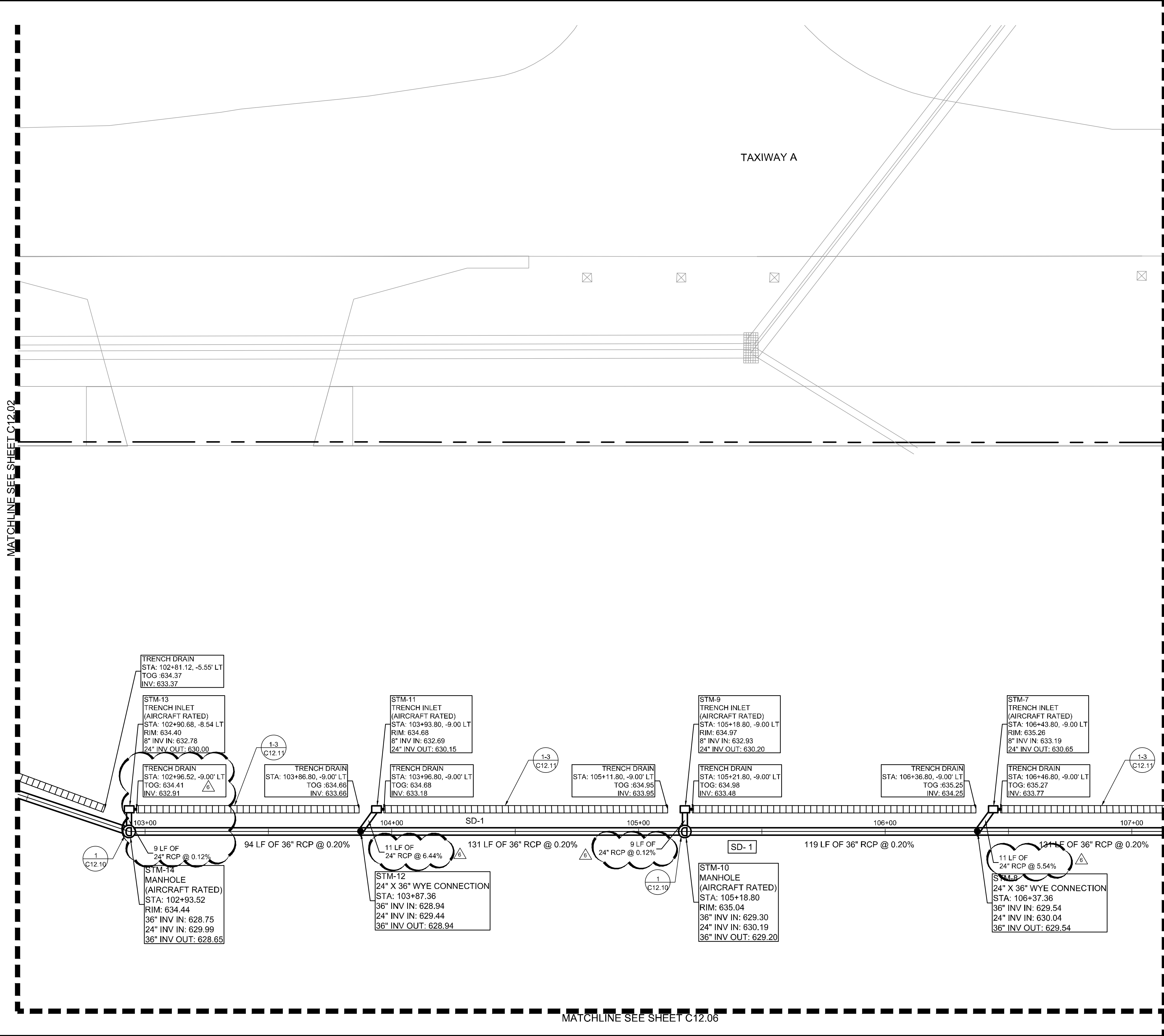
STORM DRAINAGE PLAN SD-1

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

ADDISON DALLAS, TEXAS

SHEET NUMBER
C12.02

Plotted By: Lamiar, Morgan Street: Set: Kha Layout: C12.03 December 12, 2019 05:54:04pm K:\VDL\Aviation\067792503 - Addison Galaxy FBO\ACAD\Draw Sheets\C12.00 DRAINAGE PLAN.dwg — Addition: Galaxy FBO\ACAD\Draw Sheets\C12.00 DRAINAGE PLAN.dwg
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KEY PLAN

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

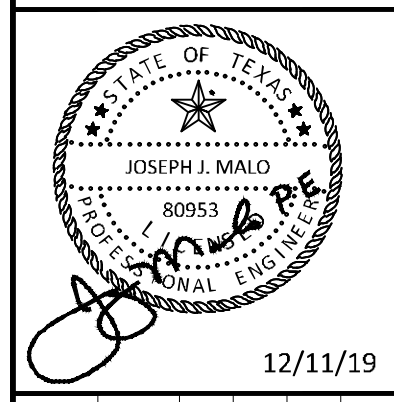
- TRENCH DRAIN
- DRAINAGE INLET
- DRAINAGE MANHOLE

GRAPHIC SCALE IN FEET
 0 10 20 40

ADDENDUM #1	ADDENDUM #5	ADDENDUM #6	DATE	BY
1	1	1	09/10/2019	JM
2	2	2	10/24/2019	JM
3	3	3	12/11/2019	JM

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 TBPE FIRM REGISTRATION F-928
 WWW.KIMLEY-HORN.COM



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

STORM DRAINAGE PLAN SD-1

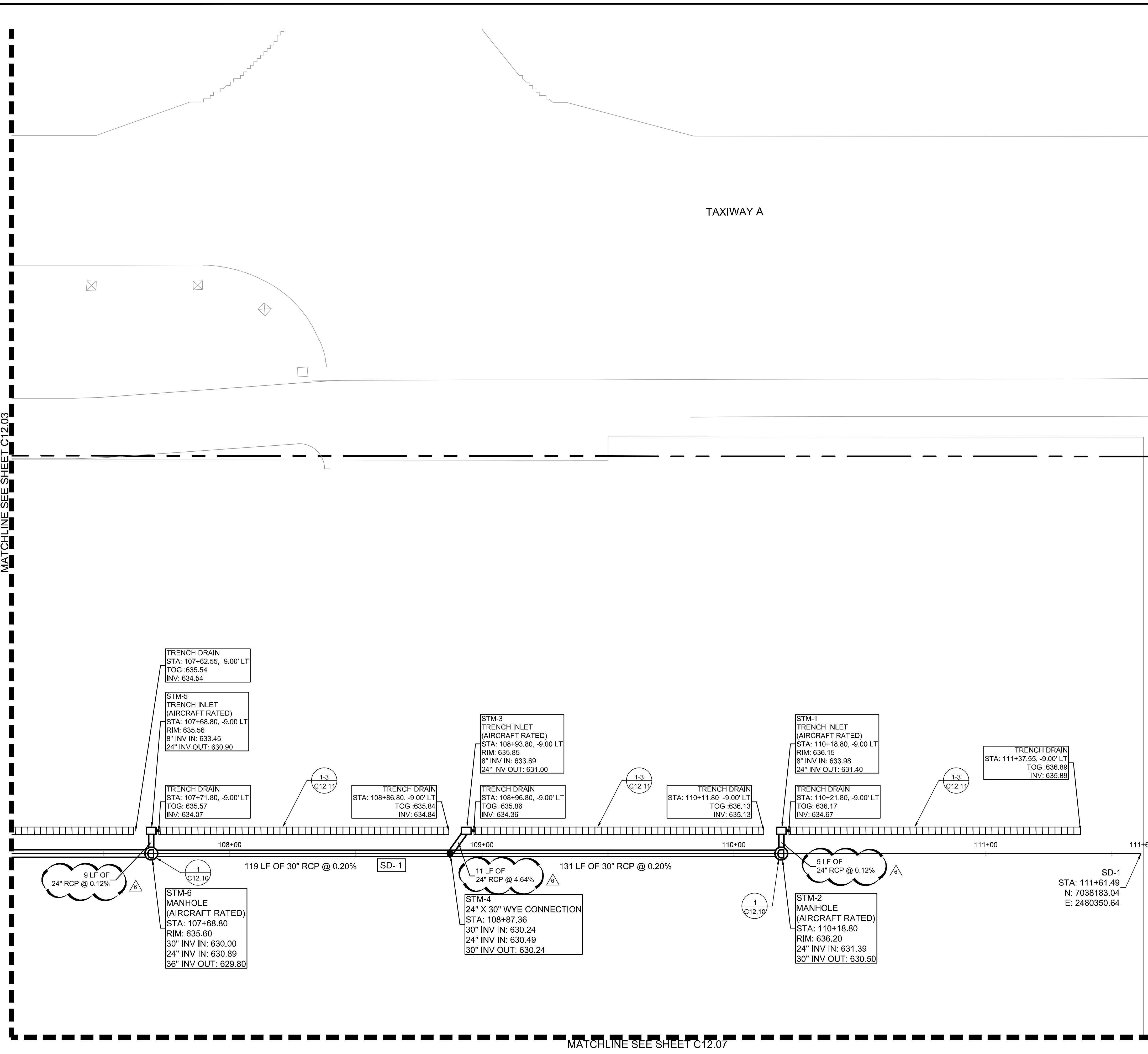
ADDISON GALAXY FBO
 15601 ADDISON RD.
 PREPARED FOR
 BLACK FOREST VENTURE

DALLAS, TEXAS

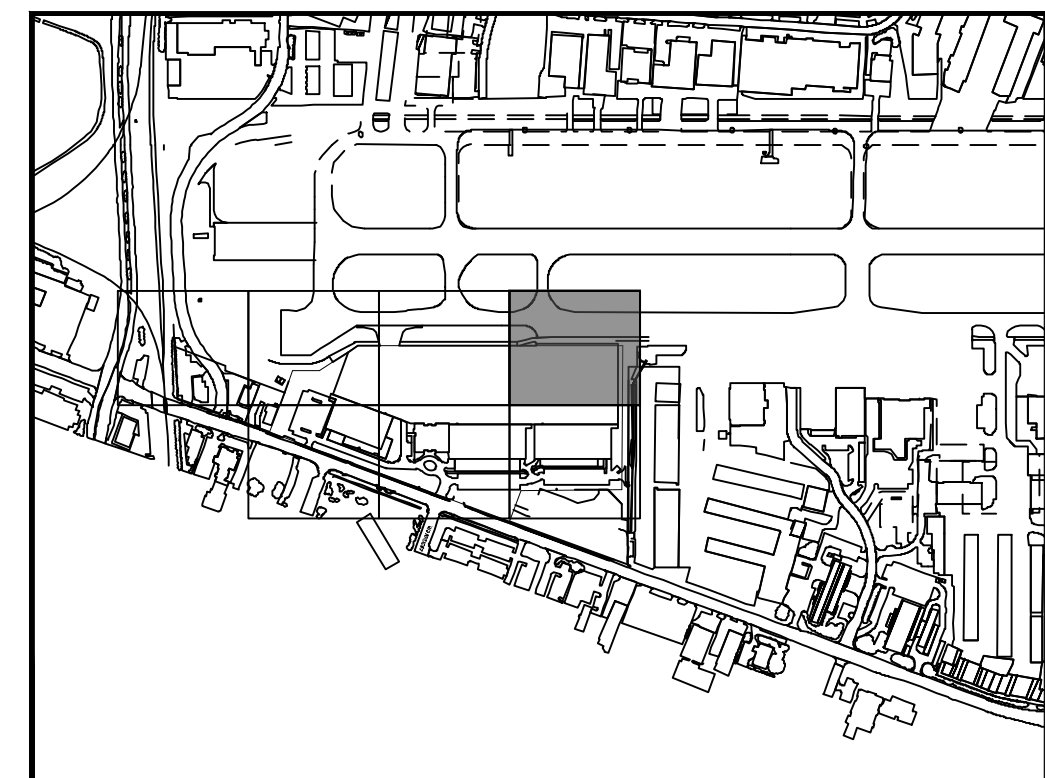
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SHEET NUMBER
C12.03

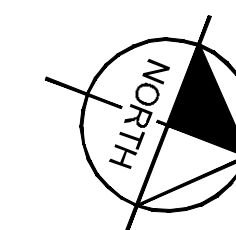
MATCHLINE SEE SHEET C12.03



MATCHLINE SEE SHEET C12.07



KEY PLAN



NOTE

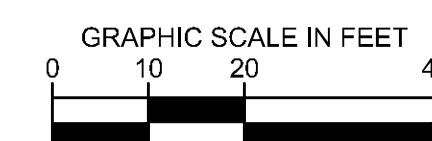
1. AIRCRAFT RATED STRUCTURES SHALL BE CAPABLE OF SUPPORTING A MINIMUM OF 100,000 LBS.
2. SEE MEP FOR ROOF DRAIN CONNECTIONS.
3. SEE DETAIL 2 ON SHEET C12.10 FOR STORM DRAIN PIPE BEDDING.
4. UTILITY CROSSINGS ARE TO BE CONCRETE ENCASED AT ALL TIMES IN ORDER TO PROTECT AGAINST WEIGHT AND FUTURE SETTLING.
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.

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LEGEND

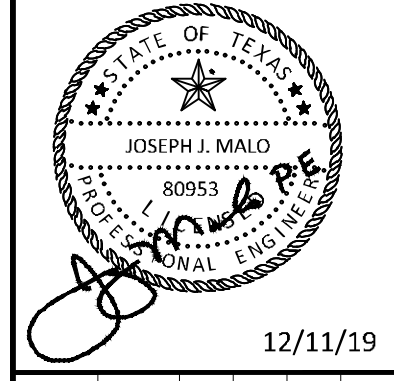
- TRENCH DRAIN
- DRAINAGE INLET
- DRAINAGE MANHOLE



ADDENDUM #1	DATE	BY
1	09/10/2019	JM
2	10/24/2019	JM
3	12/11/2019	JM

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 WWW.KIMLEY-HORN.COM



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

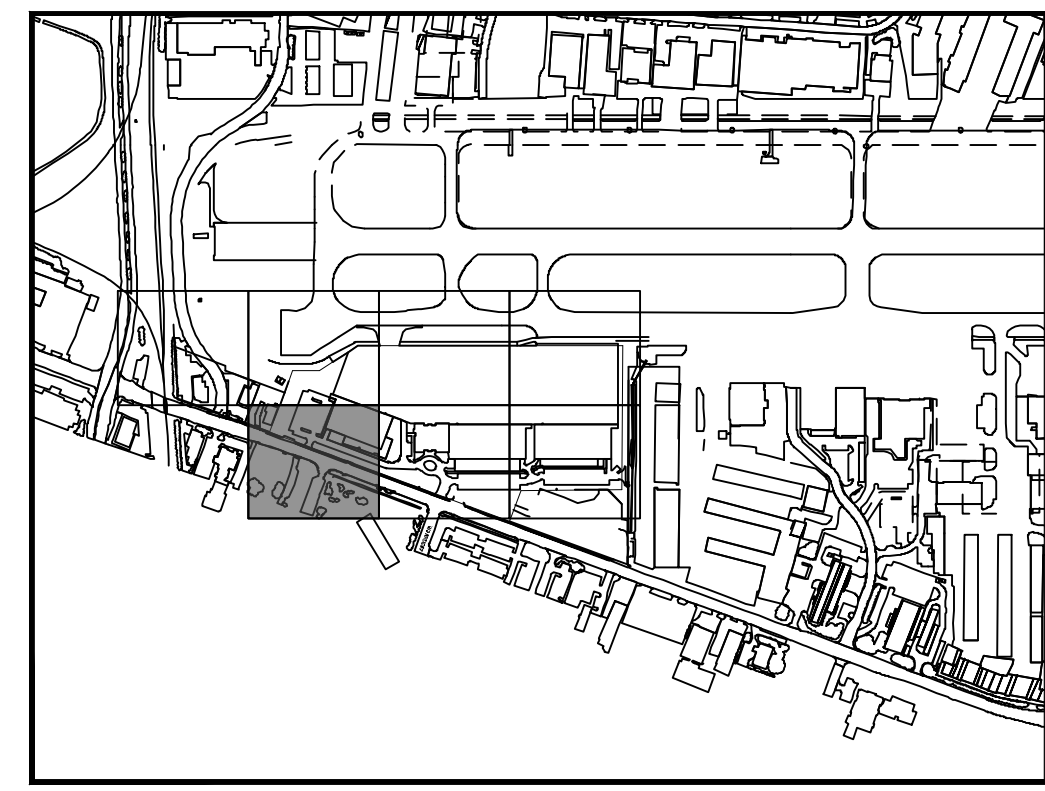
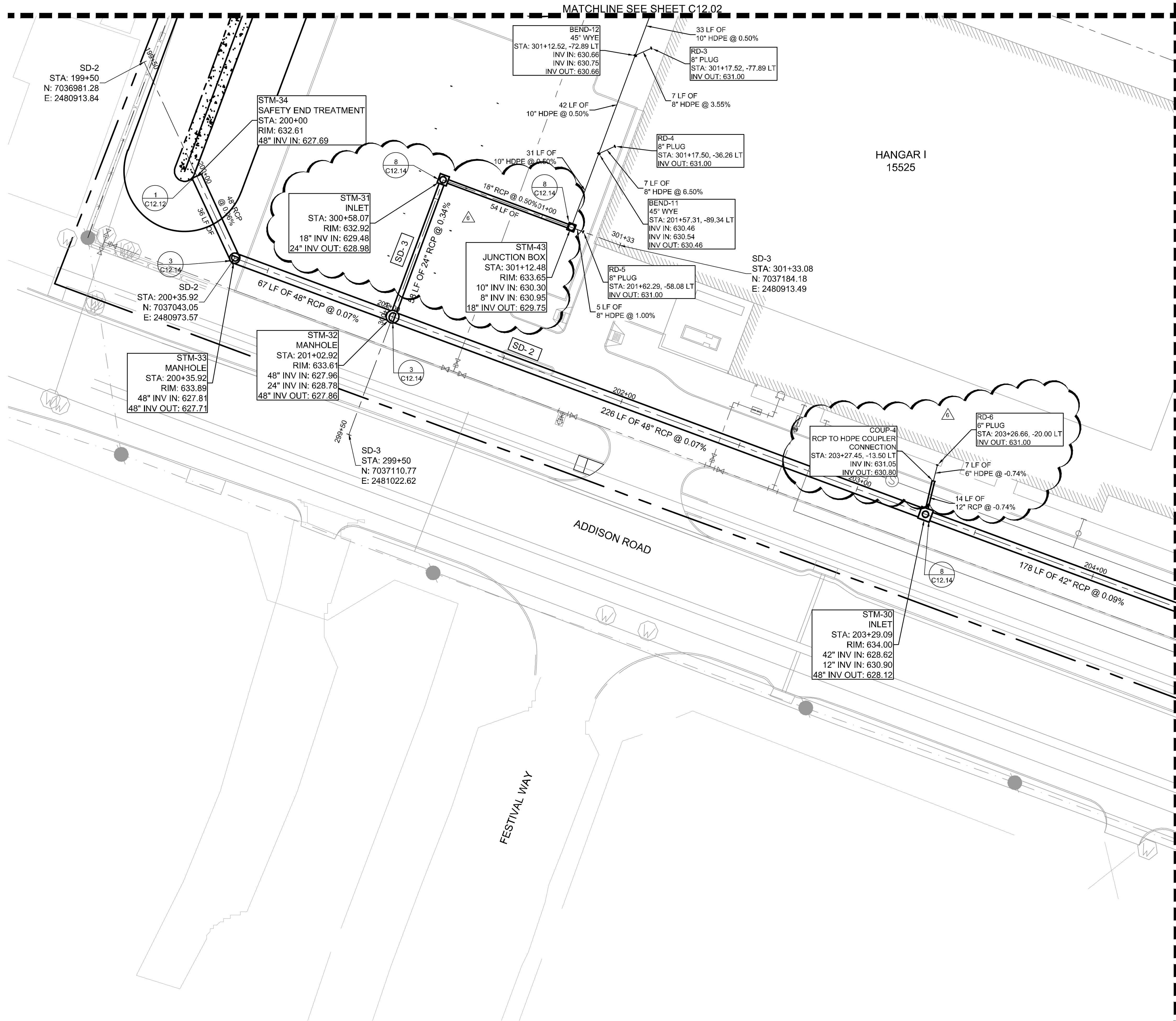
STORM DRAINAGE PLAN SD-1

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

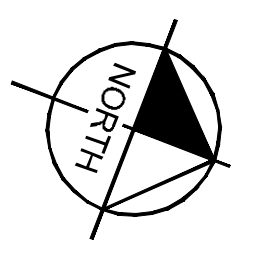
DALLAS, TEXAS

SHEET NUMBER
C12.04

Plotted By: Lamiar, Morgan Street: Setkha Layout: C12.05 Date: December 12, 2019 05:54:40pm K:\V\Drawings\Aviation\067792503 - Addison Galaxy FBO\ACAD\Draw Sheets\C12.00 DRAINAGE PLAN.dwg
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KEY PLAN



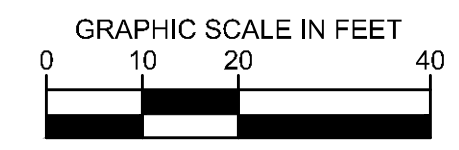
- NOTE
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LEGEND

- TRENCH DRAIN
- DRAINAGE INLET
- DRAINAGE MANHOLE

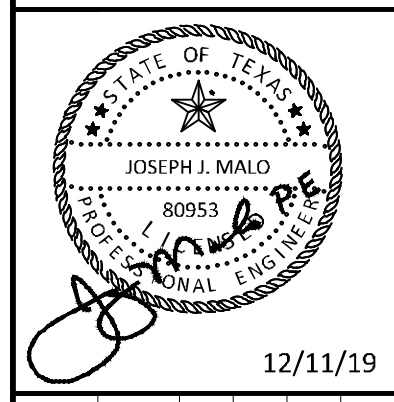


MATCHLINE SEE SHEET C12.06

ADDENDUM #1	ADDENDUM #5	ADDENDUM #6	NO.	REVISIONS	DATE	BY
1					09/10/2019	JM
2					10/24/2019	JM
3					12/11/2019	JM

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067792503	12/11/2019	AS SHOWN	HCV	EAC	HCV

**STORM DRAINAGE
 PLAN SD-2 AND 3**

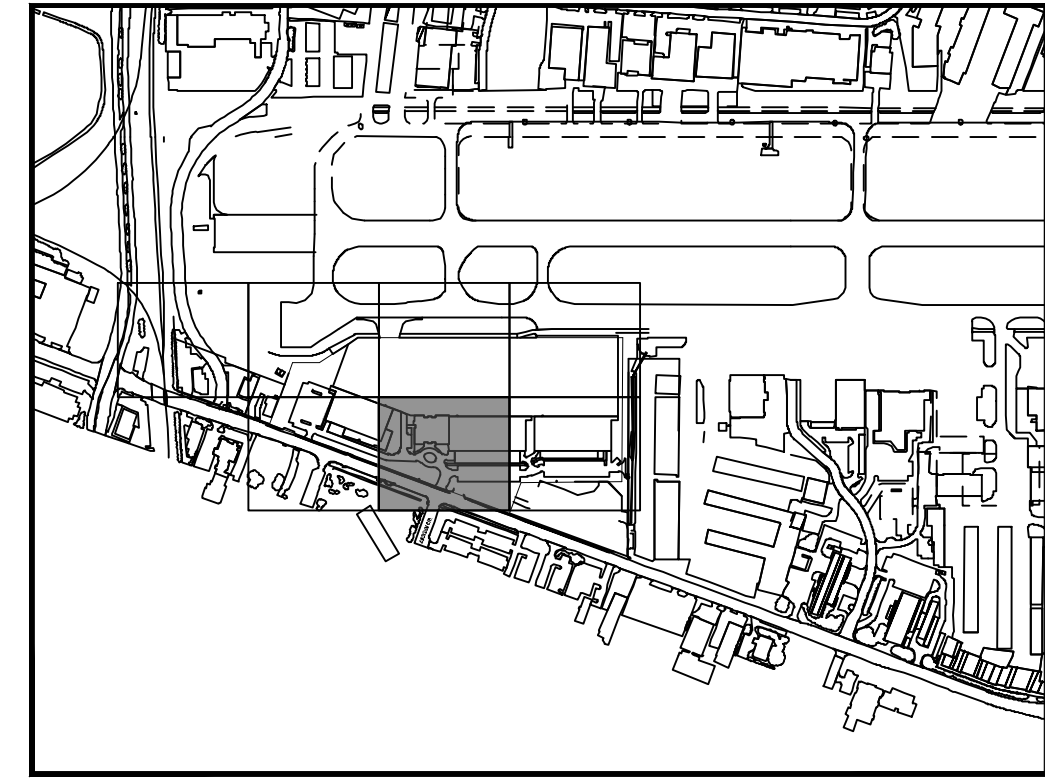
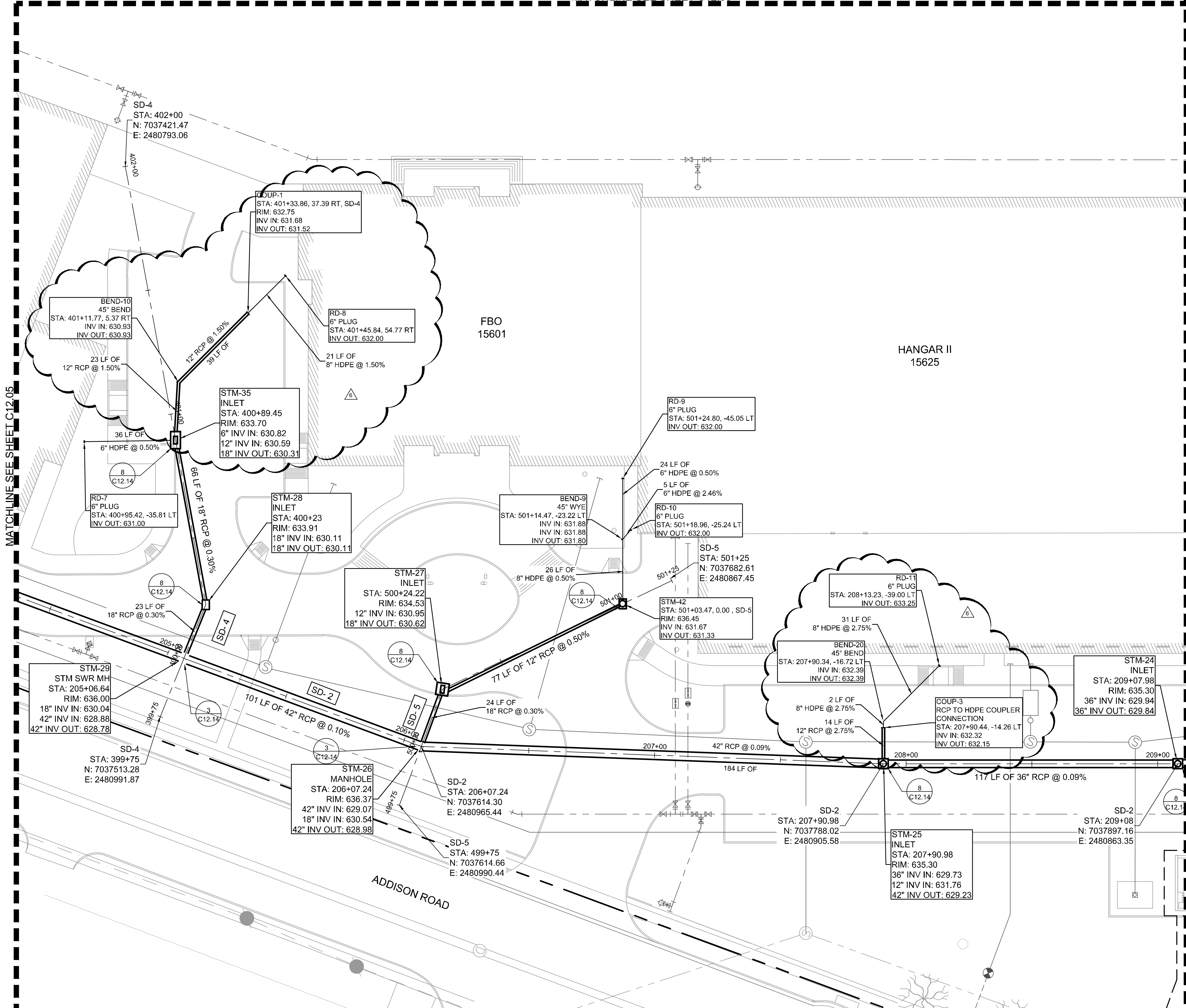
ADDISON GALAXY FBO
 15601 ADDISON RD.
 PREPARED FOR
 BLACK FOREST VENTURE

DALLAS, TEXAS

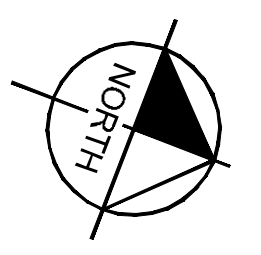
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MATCHLINE SEE SHEET C12.03



KEY PLAN



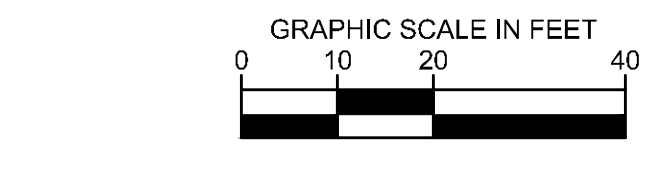
- NOTE**
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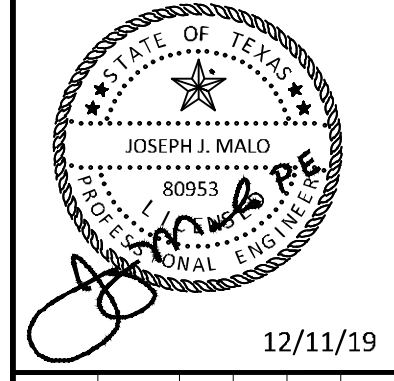
LEGEND

- TRENCH DRAIN
- DRAINAGE INLET
- DRAINAGE MANHOLE



ADDENDUM #1	ADDENDUM #5	ADDENDUM #6	NO.	REVISIONS	DATE	BY
1					09/10/2019	JM
2					10/24/2019	JM
3					12/11/2019	JM

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PHONE: 281-475-2816
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KHA PROJECT	DATE	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY
067792503	12/11/2019	AS SHOWN	HCV	EAC	HCV

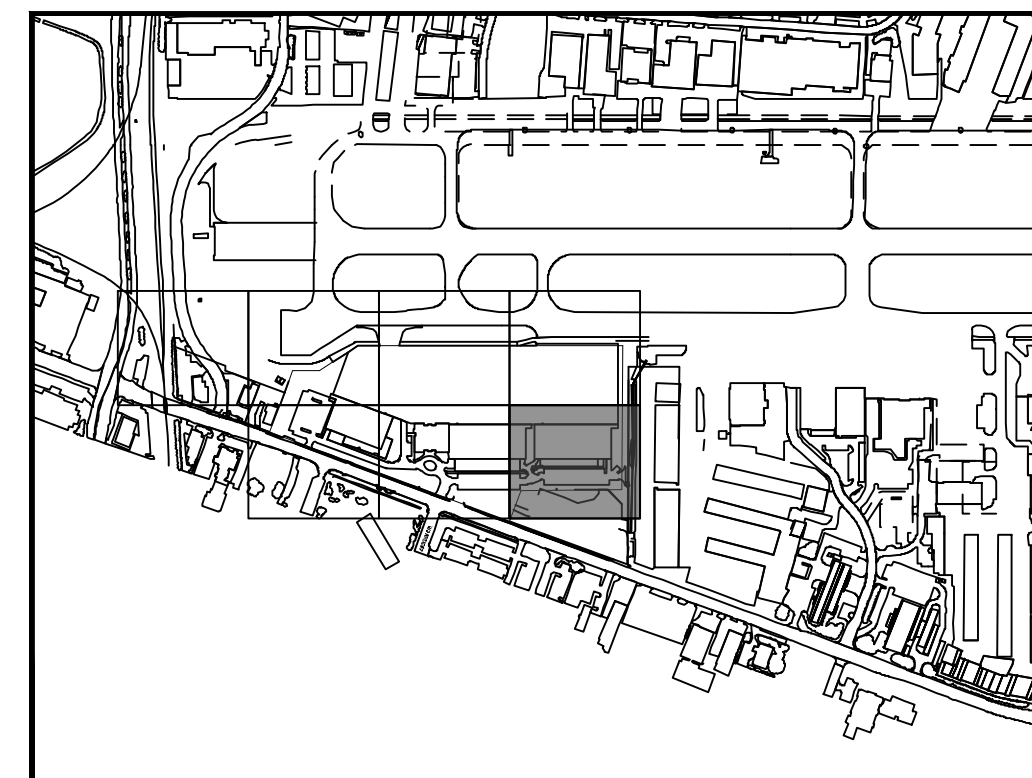
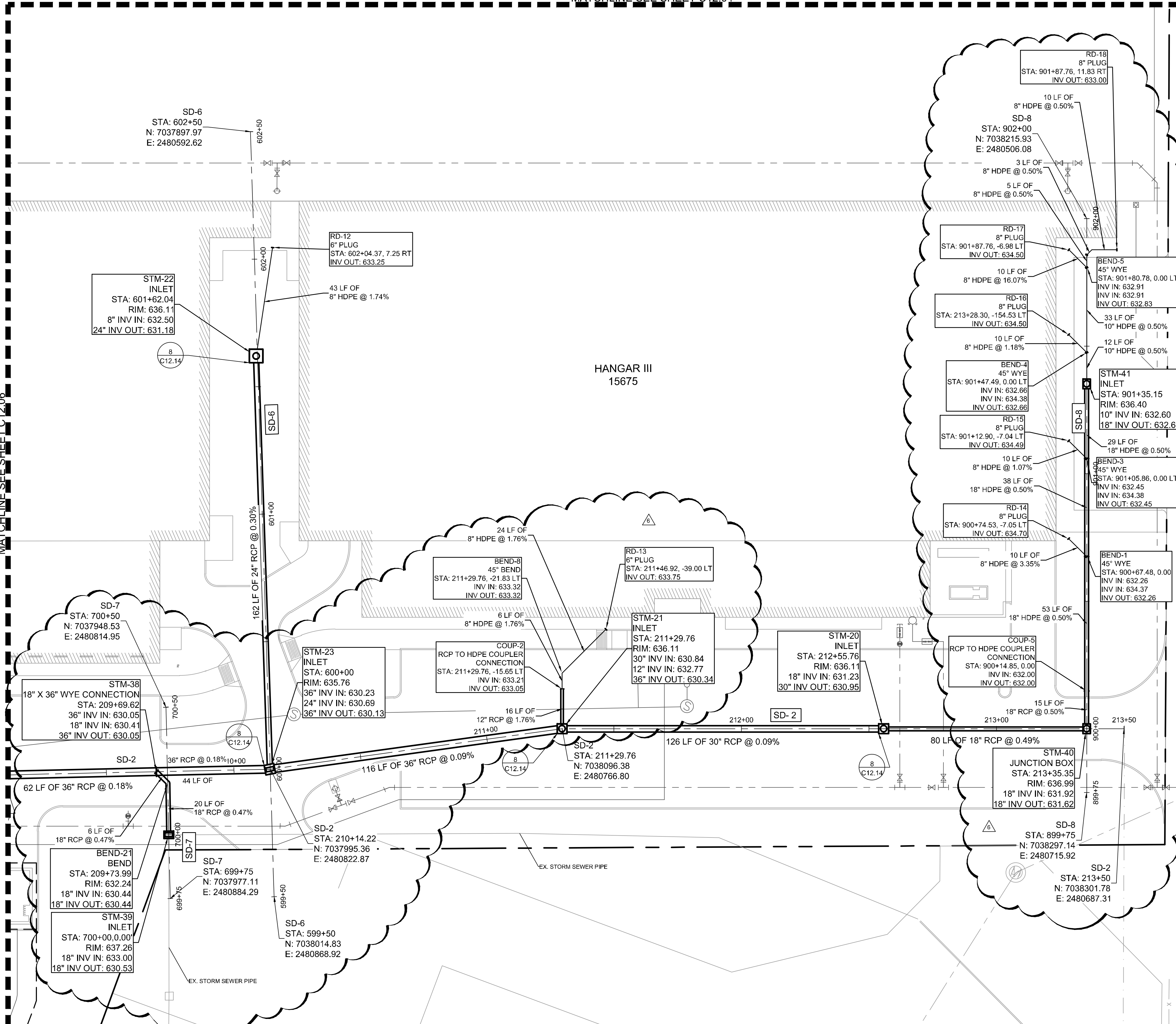
STORM DRAINAGE PLAN SD-2, 4, AND 5

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

SHEET NUMBER
C12.06

MATCHLINE SEE SHEET C12.04

MATCHLINE SEE SHEET C12.06



KEY PLAN

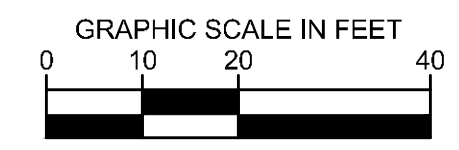
- NOTE**
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LEGEND

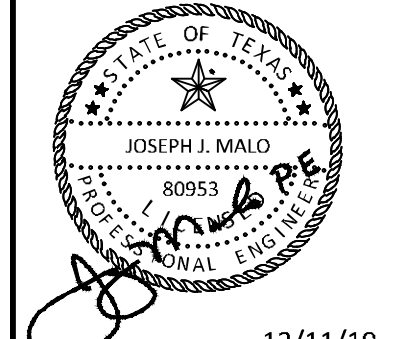
- TRENCH DRAIN
- DRAINAGE INLET
- DRAINAGE MANHOLE



ADDENDUM #1	DATE	BY
1	09/10/2019	JM
2	10/24/2019	JM
3	12/11/2019	JM

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PHONE: 281-475-2816
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KHA PROJECT	DATE	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY
067792503	12/11/2019	AS SHOWN	HCV	EAC	HCV

STORM DRAINAGE PLAN SD-2 AND 6

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

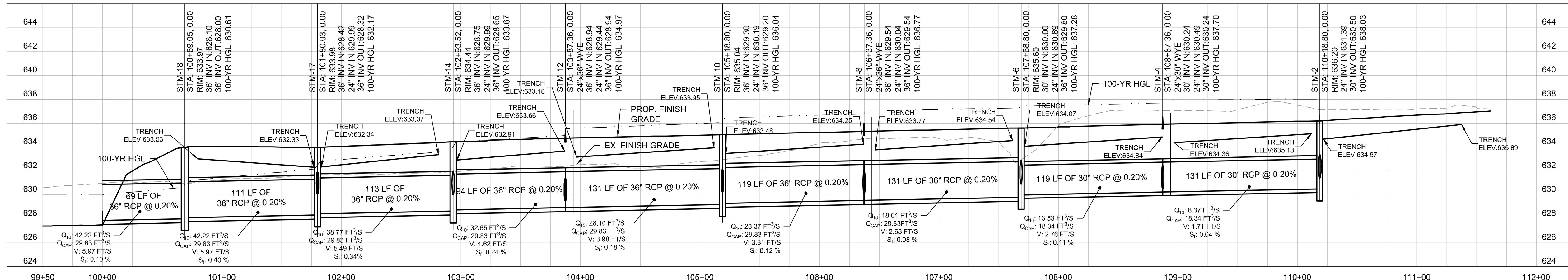
DALLAS, TEXAS

ADDISON

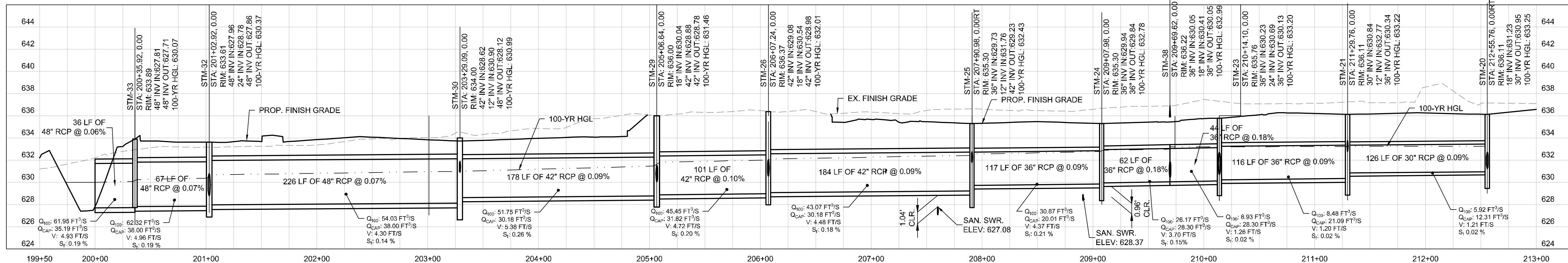
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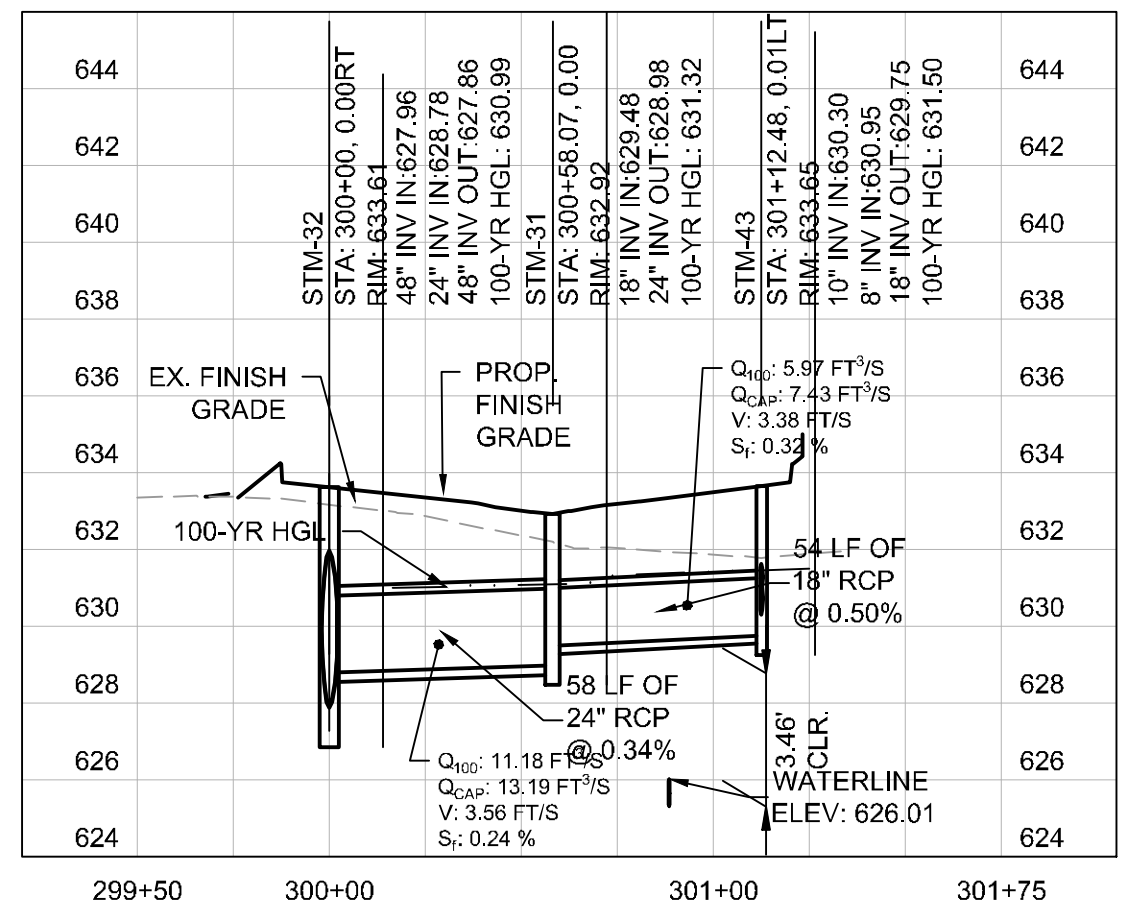
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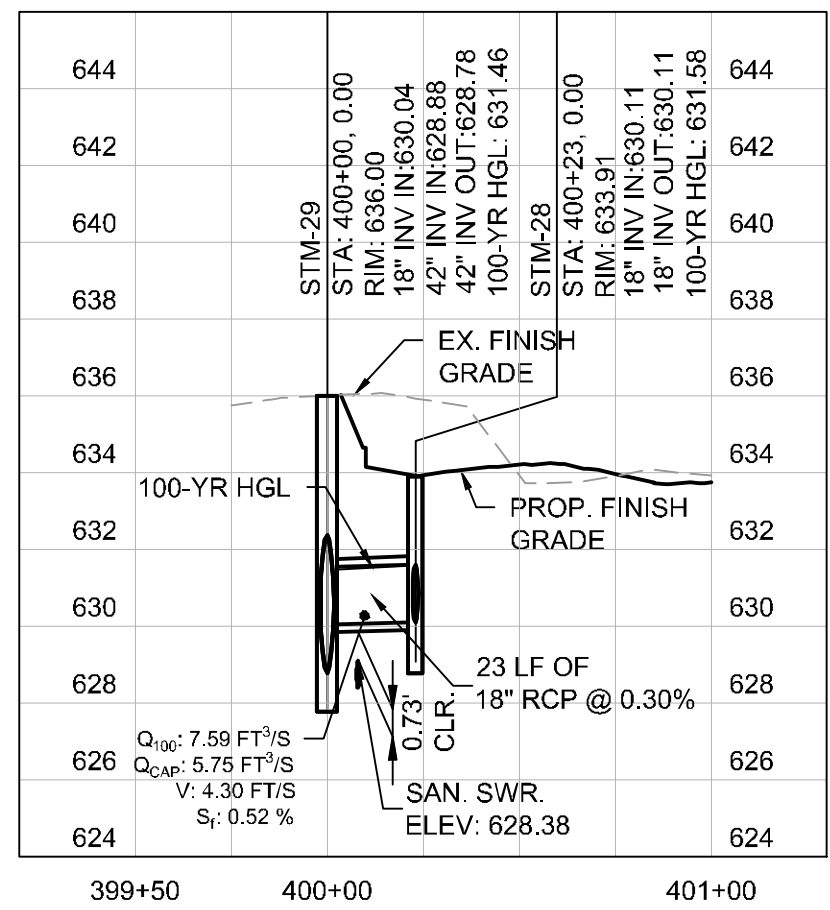
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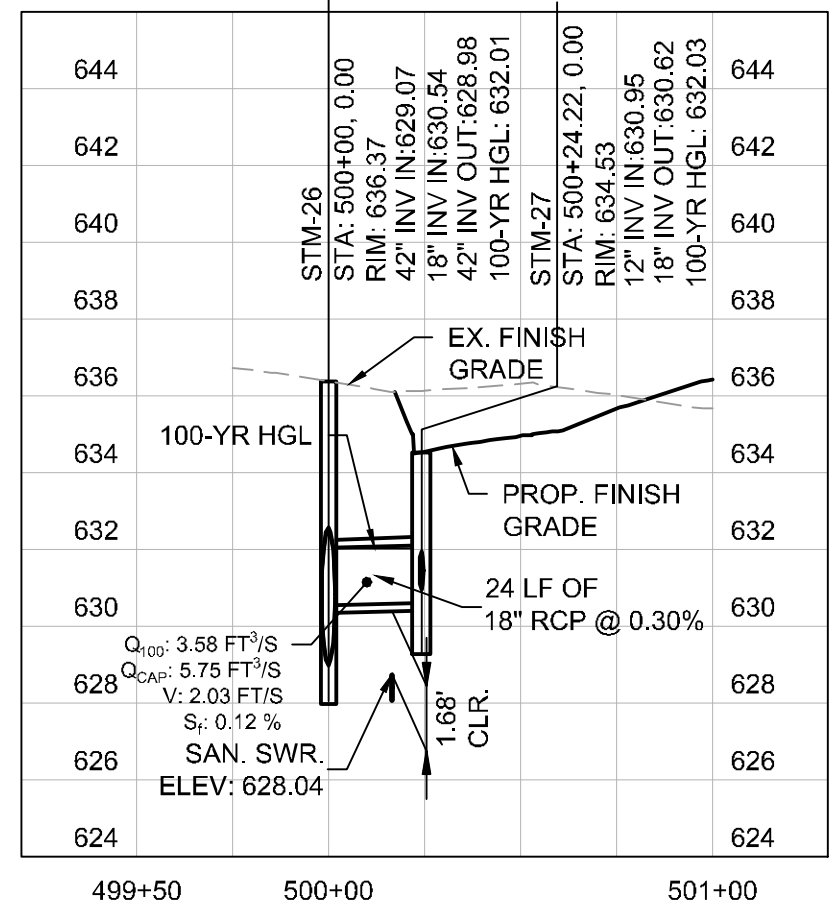
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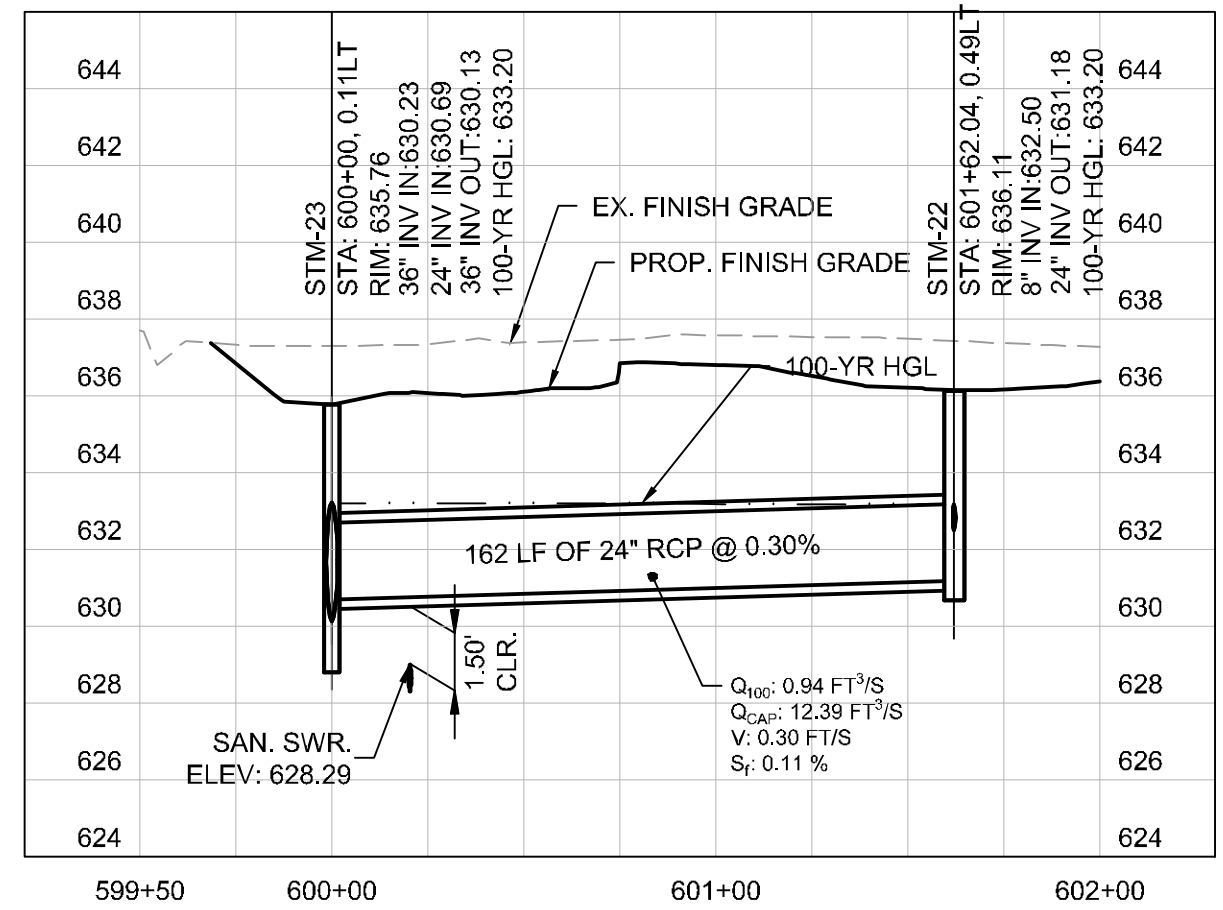
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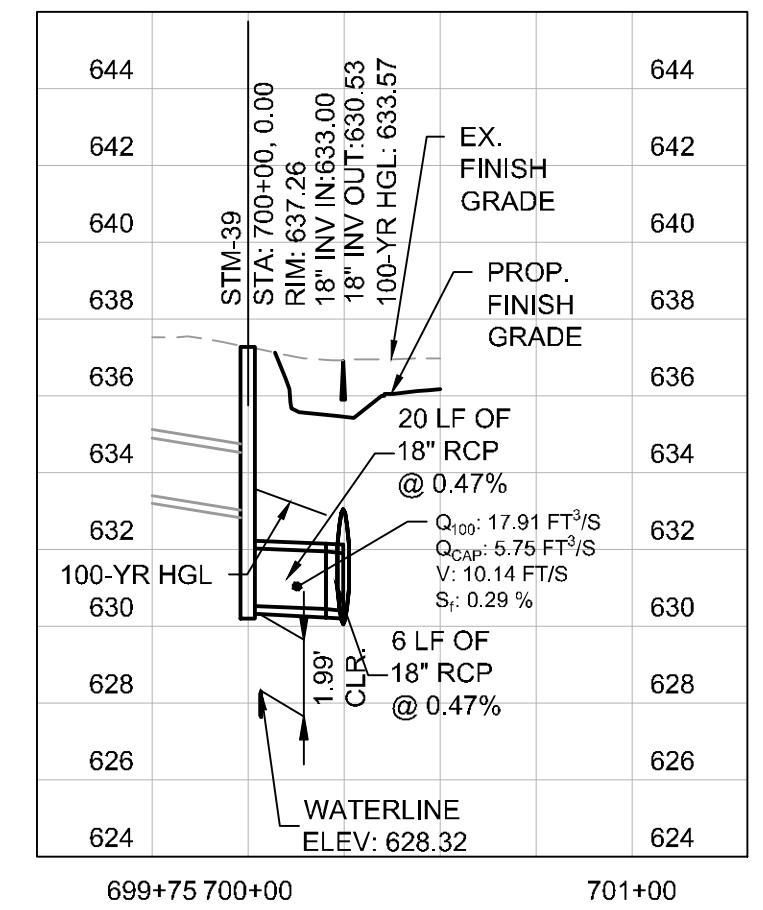
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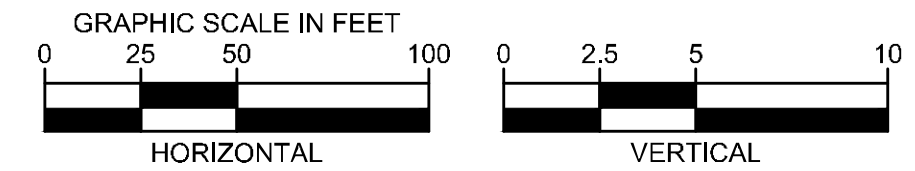
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SD-7



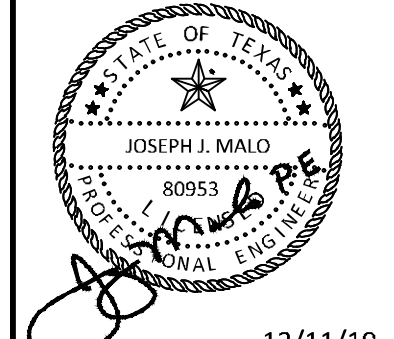
- NOTE:**
- ALL RCP PIPES FOR SD-1 MUST BE CLASS V.
 - CONCRETE ENCASE ALL UTILITY CROSSING AT ALL TIMES TO PROTECT AGAINST WEIGHT AND FUTURE SETTLING.



ADDENDUM #1	ADDENDUM #5	ADDENDUM #6	DATE	BY
1	1	1	09/10/2019	JM
2	2	2	10/24/2019	JM
3	3	3	12/11/2019	JM

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 PHONE: 281-475-2816
 TBP# FIRM REGISTRATION F-928
 WWW.KIMLEY-HORN.COM



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

STORM DRAINAGE PROFILES SHEET

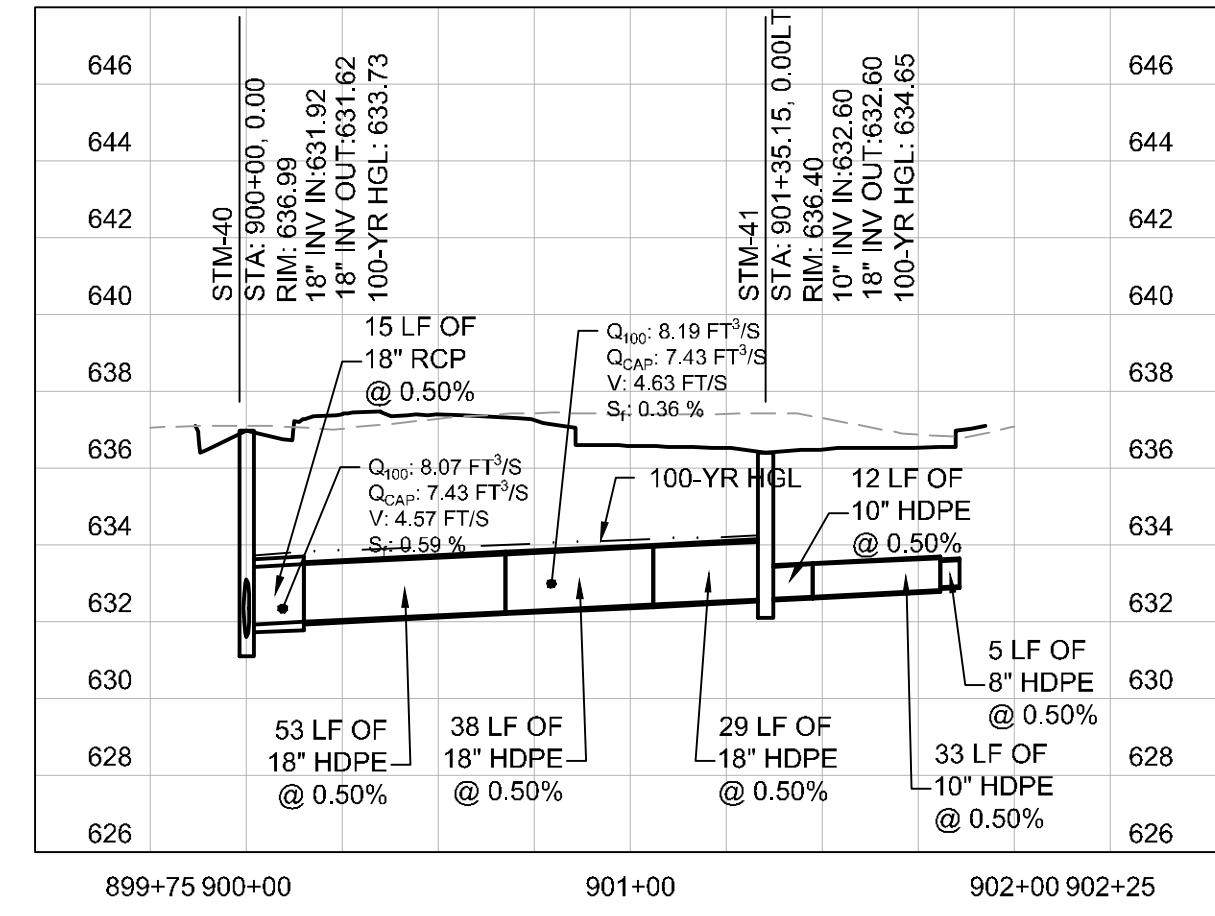
ADDISON GALAXY FBO
 15601 ADDISON RD.
 PREPARED FOR
BLACK FOREST VENTURE

DALLAS, TEXAS

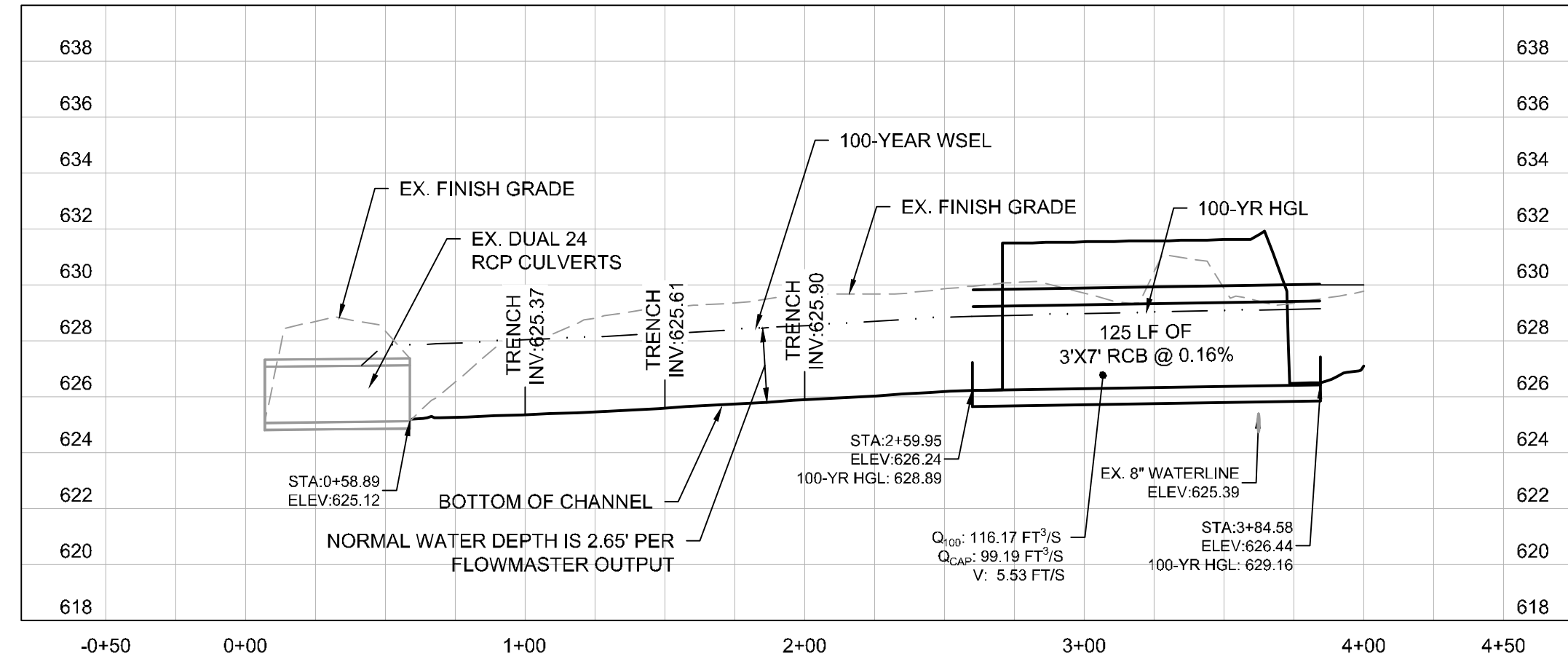
SHEET NUMBER
C12.08

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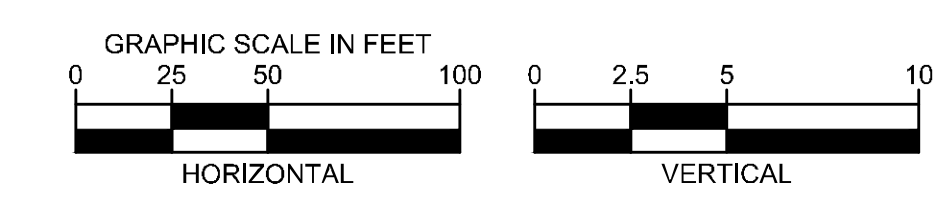
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SD-OUTFALL

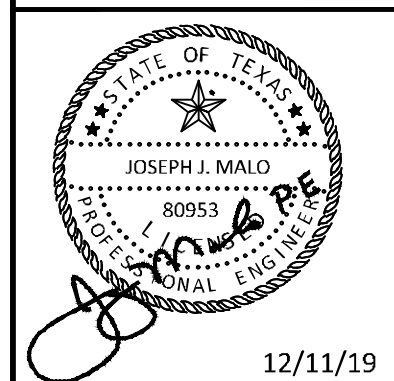


NOTE:
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ADDENDUM #1	ADDENDUM #5	ADDENDUM #6	JM	JM	JM
1	2	3	09/10/2019	10/24/2019	12/11/2019

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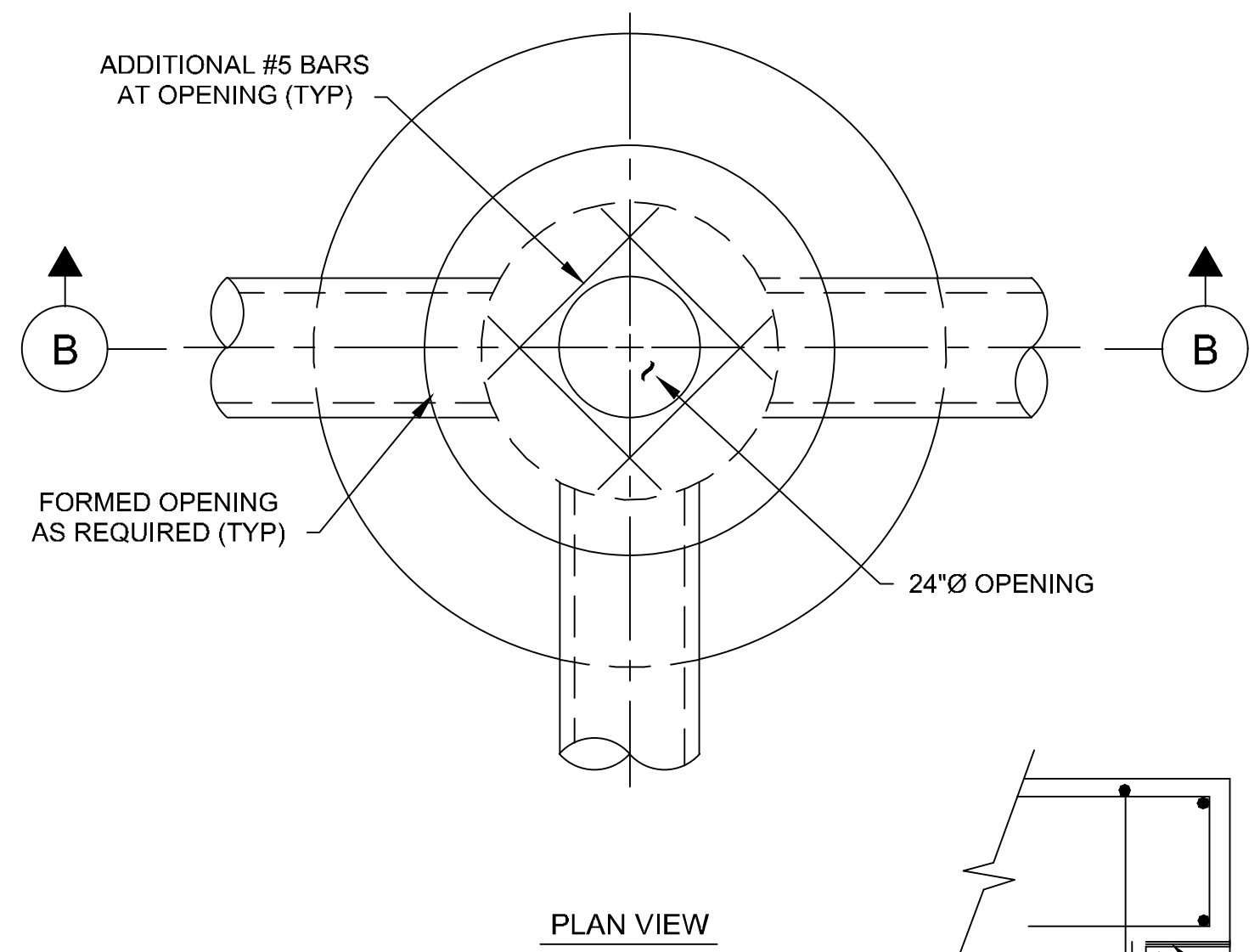
KHA PROJECT	067792503
DATE	12/11/2019
SCALE	AS SHOWN
DESIGNED BY	HCV
DRAWN BY	EC EAC
CHECKED BY	HCV

**STORM DRAINAGE
 PROFILES SHEET**

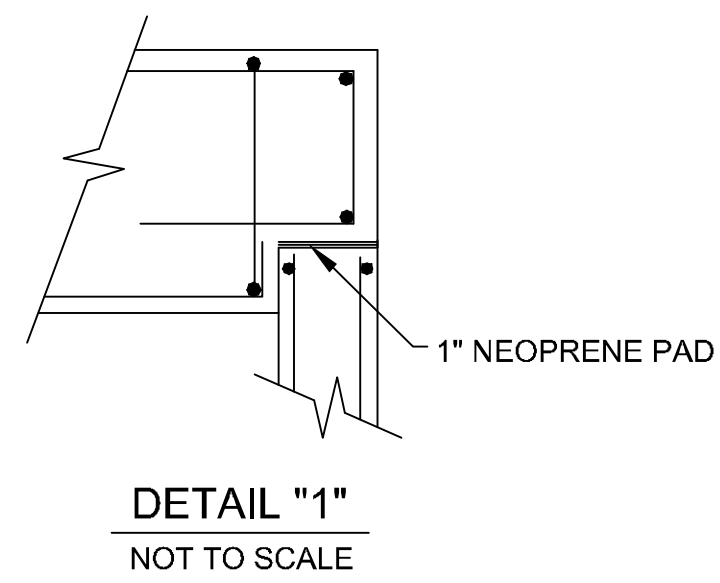
ADDISON GALAXY FBO
 15601 ADDISON RD.
 PREPARED FOR
BLACK FOREST VENTURE
 DALLAS, TEXAS
 ADDISON

SHEET NUMBER
C12.09

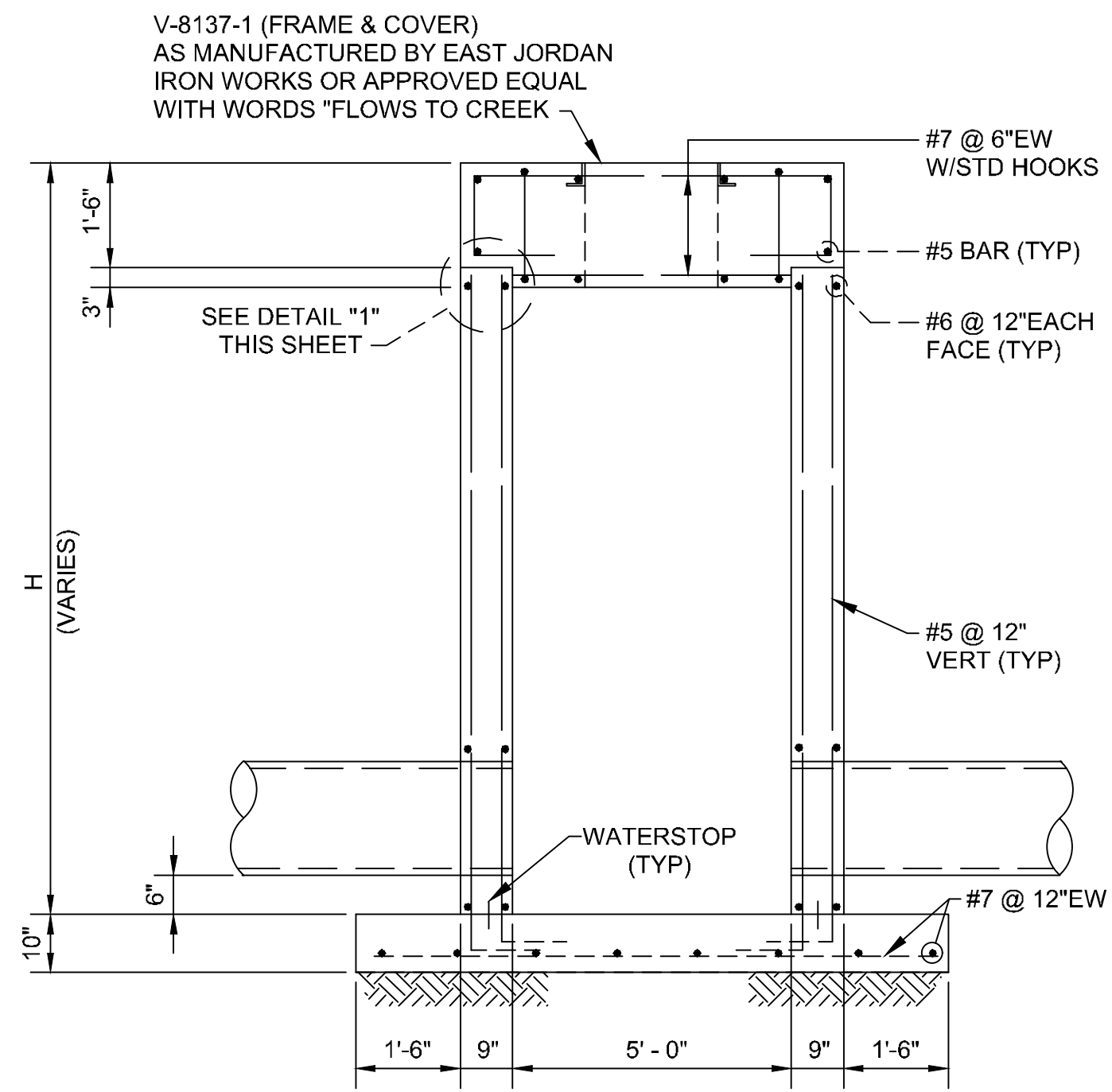
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PLAN VIEW



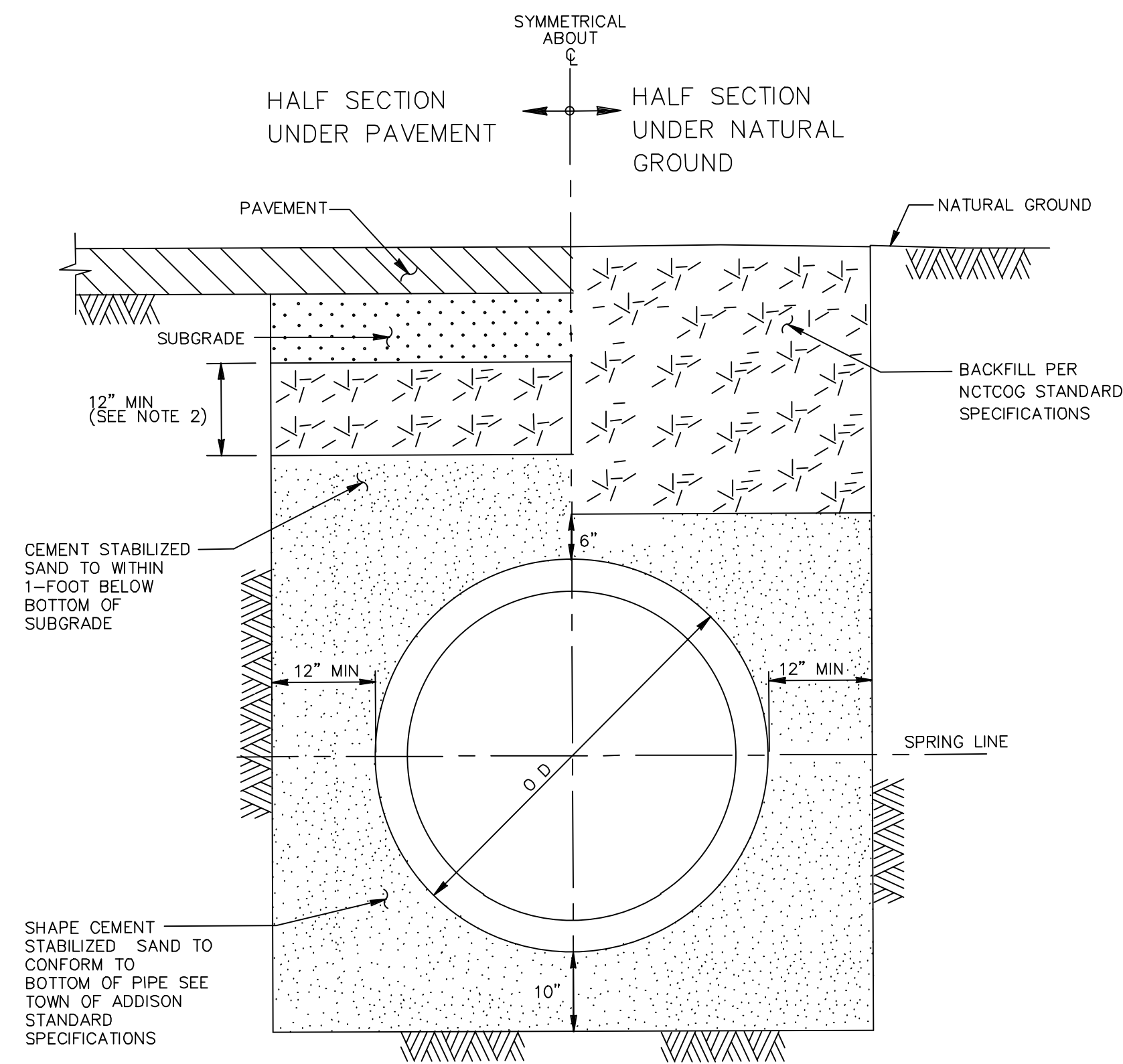
DETAIL "1"
NOT TO SCALE



SECTION B-B

AIRCRAFT RATED STORM SEWER
MANHOLE - TYPE "S2"
NOT TO SCALE

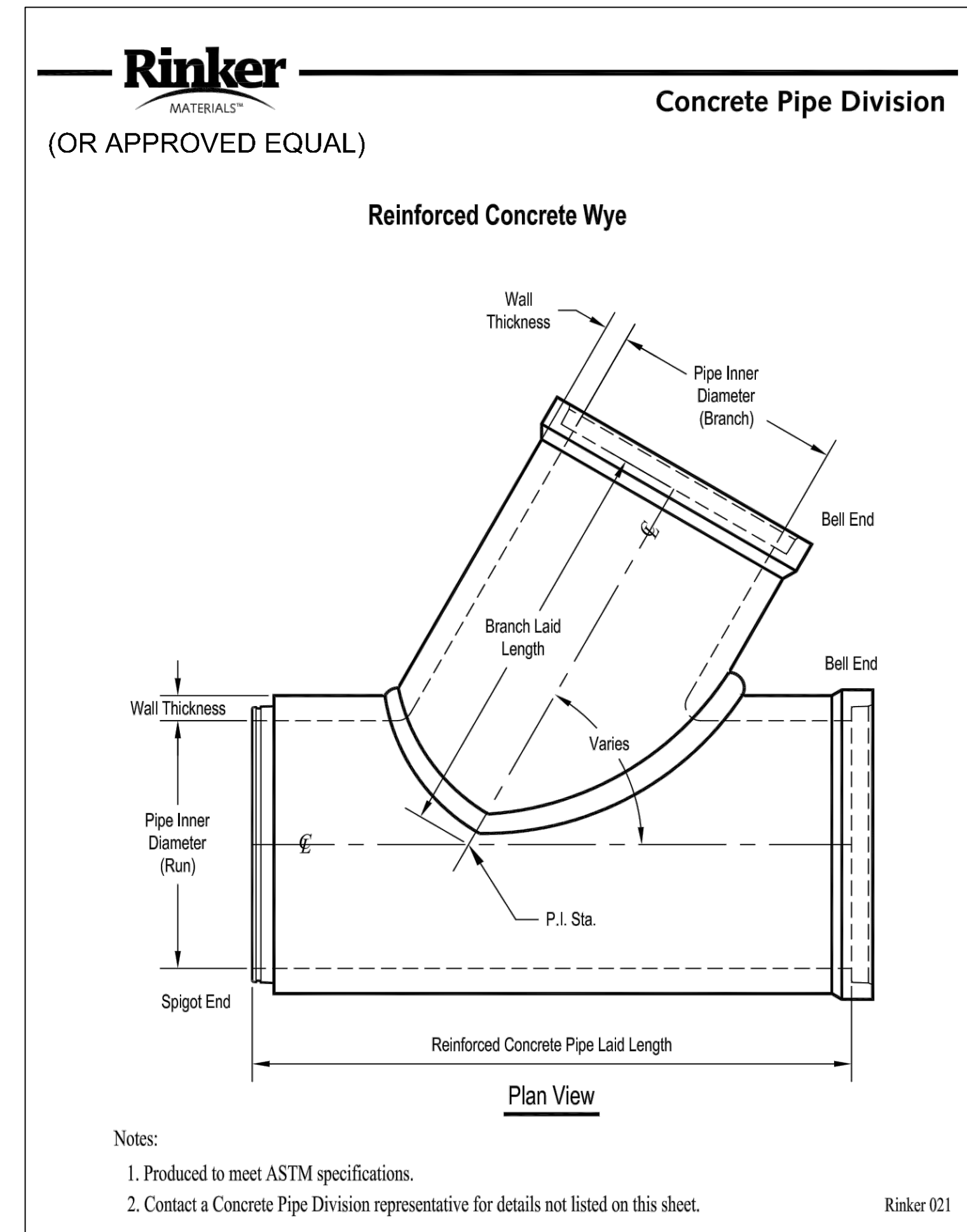
* CAPABLE OF SUPPORTING
100,000 LBS LOADING



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



Notes:

1. Produced to meet ASTM specifications.
2. Contact a Concrete Pipe Division representative for details not listed on this sheet.

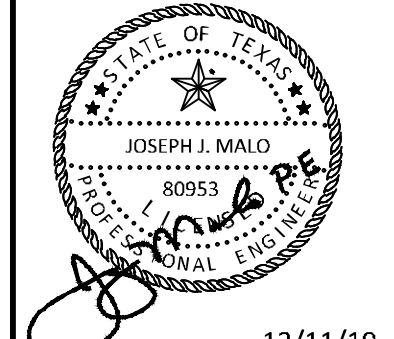
Rinker 021

RCP WYE CONNECTION
NOT TO SCALE

ADDENDUM #1	ADDENDUM #5	ADDENDUM #6	DATE	BY
1	5	6	09/10/2019	JM
			10/24/2019	JM
			12/11/2019	JM

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

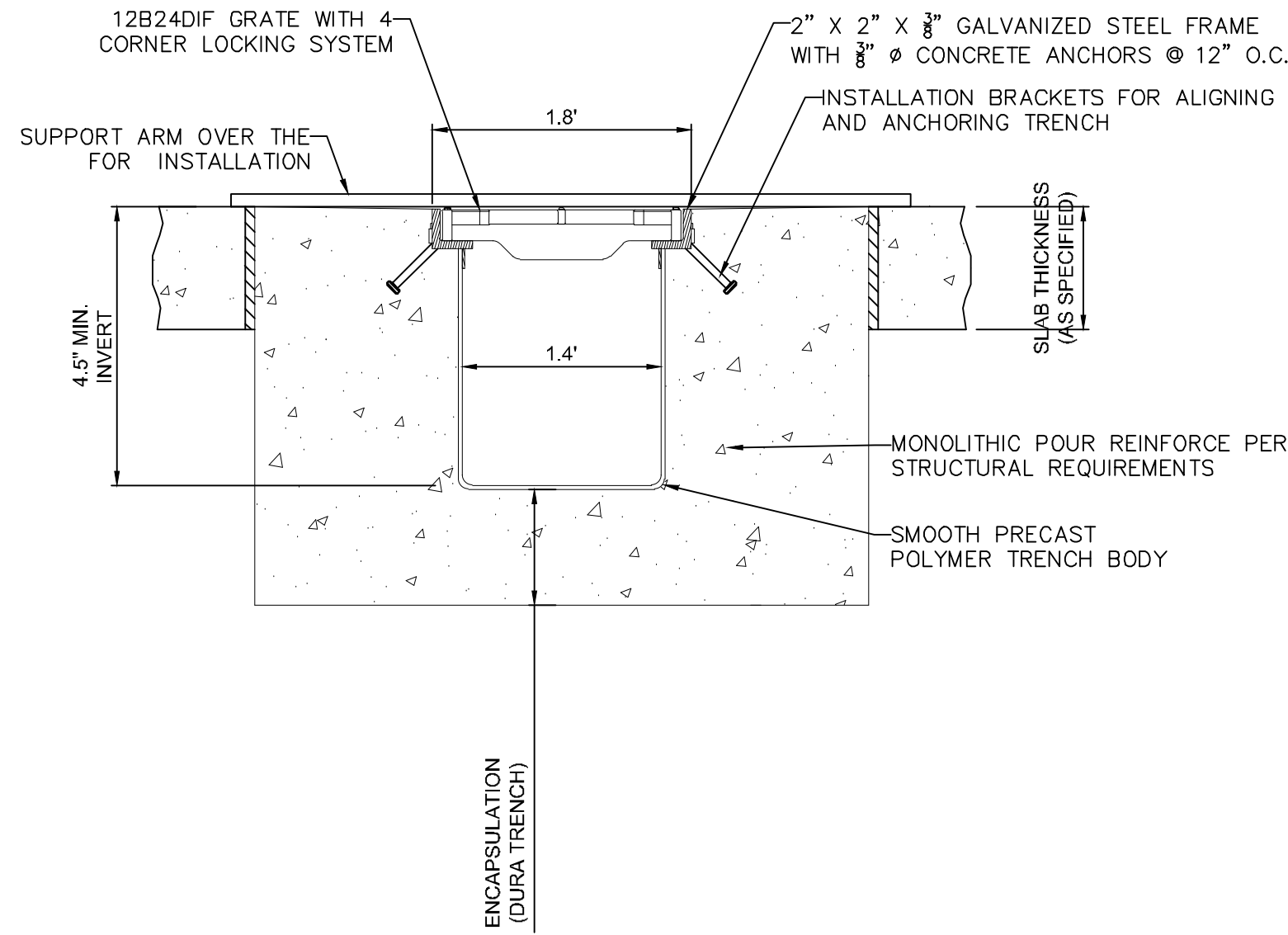
**STORM DRAINAGE
DETAILS**

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

DALLAS, TEXAS
 ADDISON

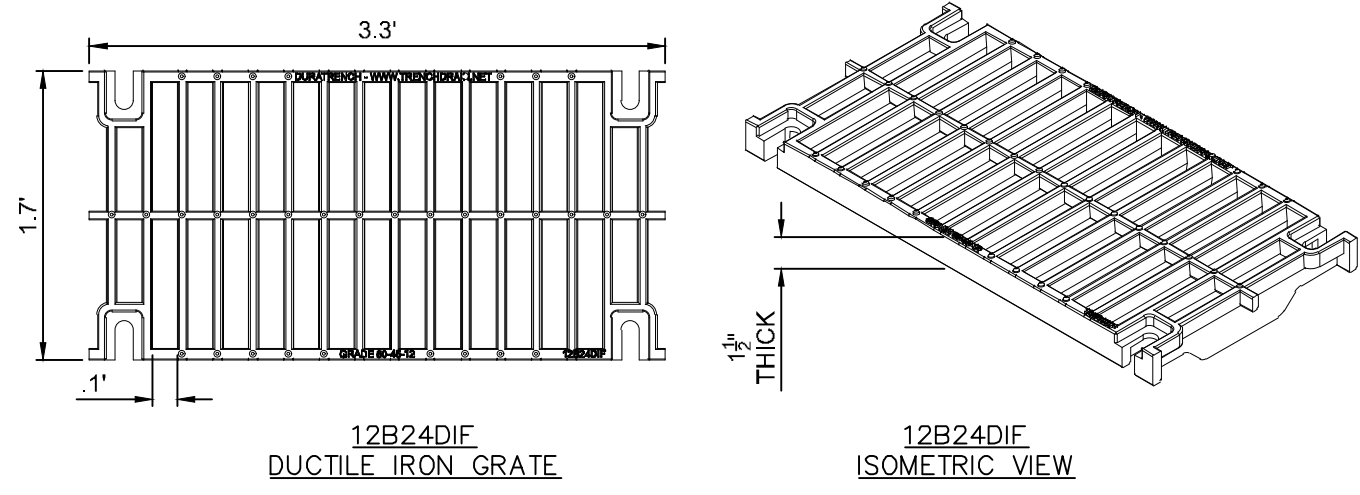
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C12.10

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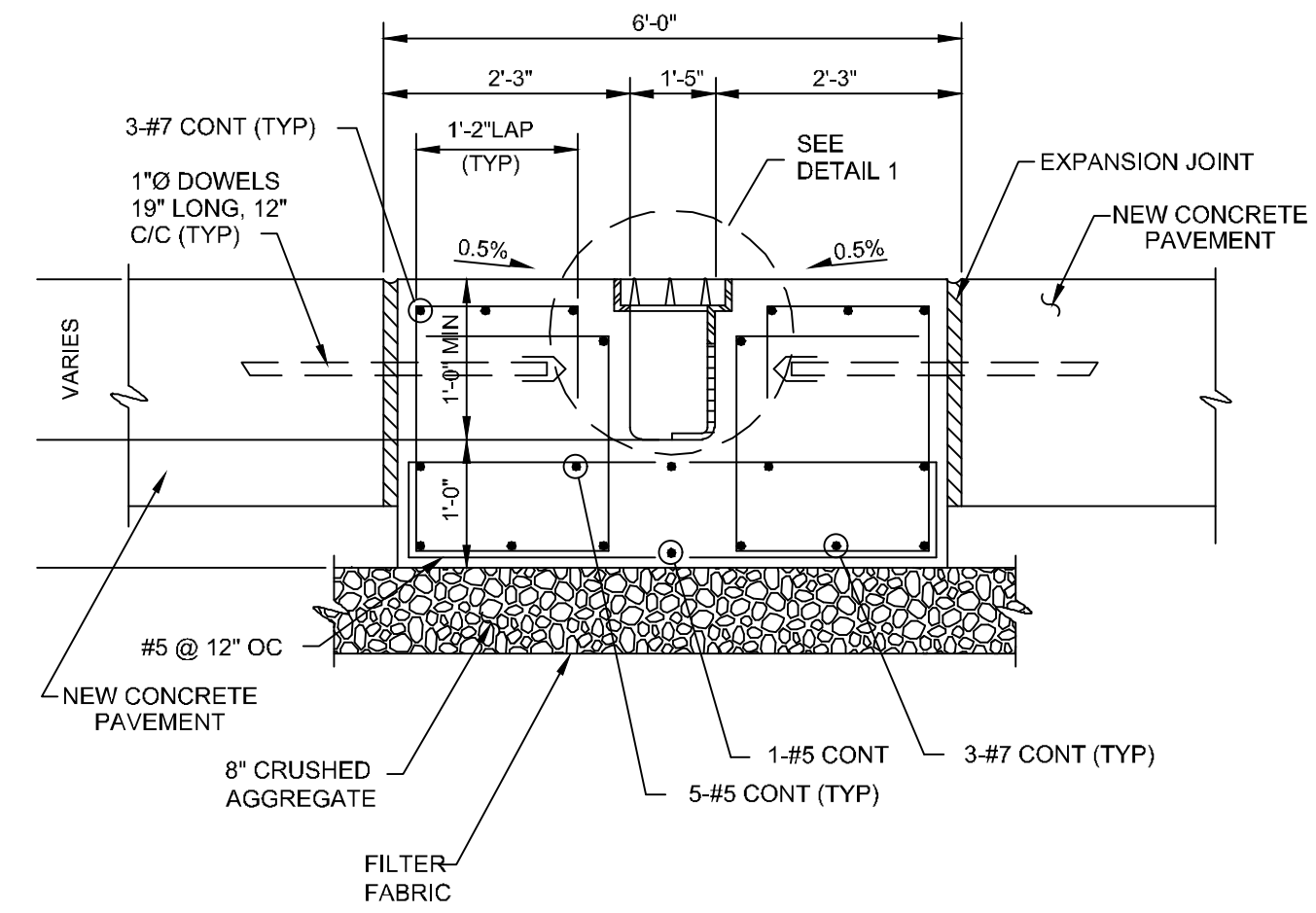
- NOTES:
- MUST BE CAPABLE TO SUPPORT 100,000 LBS LOADING
 - STANDARD SLOPE IS 0.5% UNLESS OTHERWISE SPECIFIED
 - REINFORCE ACCORDING TO STRUCTURAL REQUIREMENTS
 - TRENCH DRAIN MUST BE $\frac{1}{8}$ " BELOW FINISHED CONCRETE GRADE
 - DURA-TRENCH OR APPROVED EQUAL

TYPICAL DTPF10-EXGS15TEA SQUARE TRENCH SECTION
NOT TO SCALE

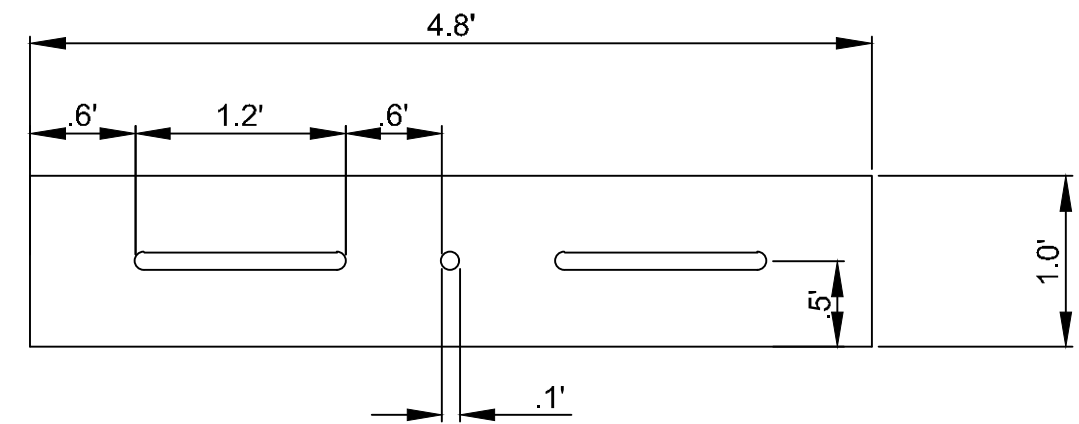
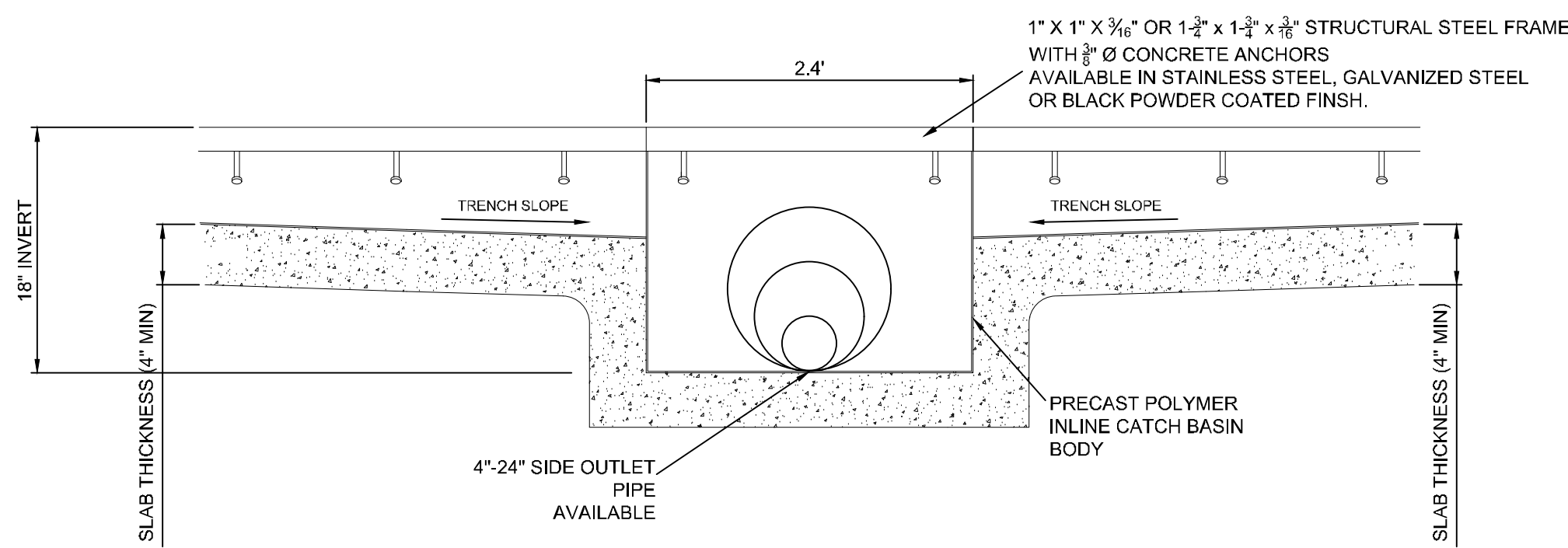


- NOTES:
- GRATE MATERIAL IS CAST DUCTILE IRON, GRADE 60-45-12
 - MEETS FAA AC: 150/5320-5B & 6E LOADING REQUIREMENTS
 - GRATES ARE MADE IN THE USA
 - GRATES BOLT DOWN AT ALL 4 CORNERS W/ $\frac{1}{2}$ " ϕ S.S BOLTS
 - GRATES ARE UNCOATED, AS CAST FINISH
 - GRATE OPEN AREA 84.67 IN.²/LF
 - TRENCH SHALL BE CAPABLE OF SUPPORTING 100,000 LBS LOAD

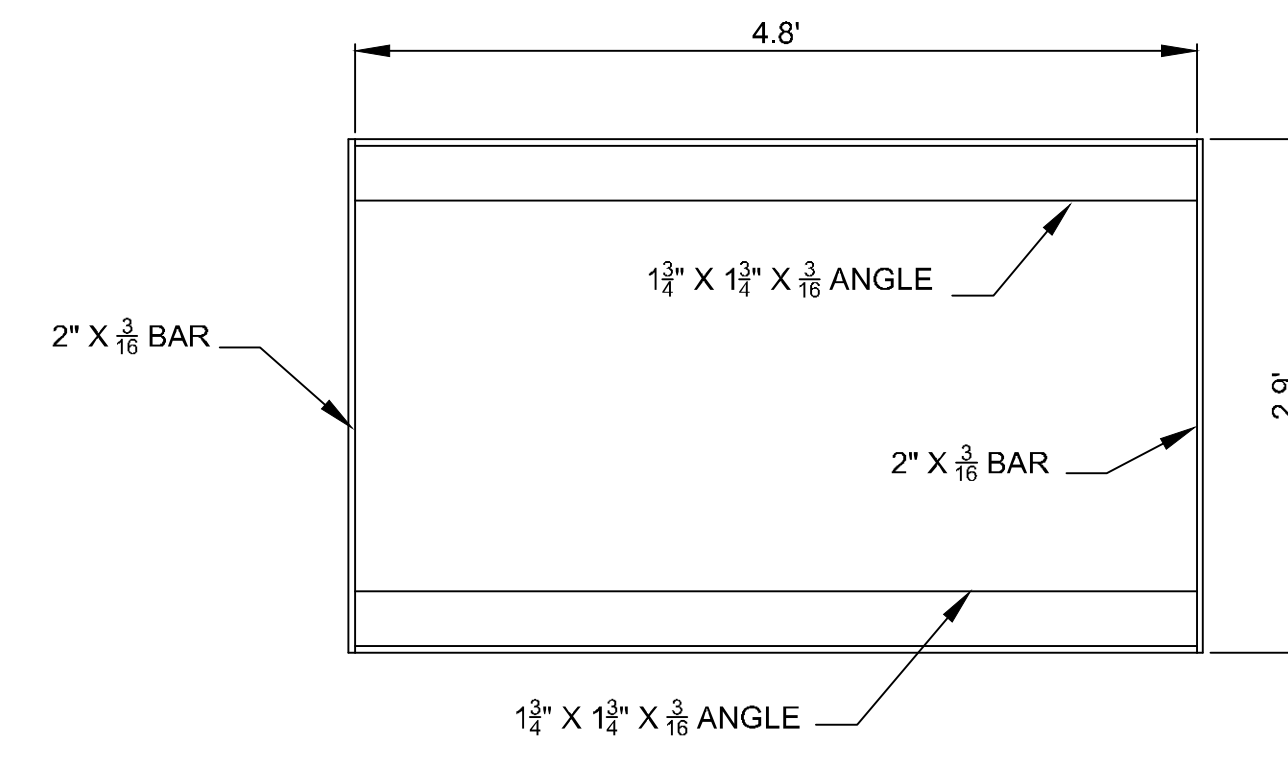
TRENCH DRAIN GRATE
NOT TO SCALE



1.4' TRENCH DRAIN
TYPICAL CROSS SECTION
NTS



GRATE DETAIL



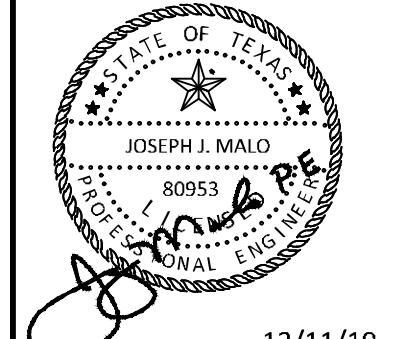
12\"/>

TYPICAL DTCBPF10-EXGS CATCH BASIN SECTION
NOT TO SCALE

ADDENDUM #1	ADDENDUM #5	ADDENDUM #6	DATE	BY
1	2	3	09/10/2019	JM
4	5	6	10/24/2019	JM
			12/11/2019	JM

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

STORM DRAINAGE DETAILS

ADDISON GALAXY FBO
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 PREPARED FOR
BLACK FOREST VENTURE

ADDISON DALLAS, TEXAS

SHEET NUMBER
C12.11

Plotted By: Lamar, Morgan Street Set: kko Layout: C12.13 December 12, 2019 05:56:23pm K:\WDL\Addison\067792503 - Addison Galaxy FBO\ACAD\Draw Sheets\C12.00 DRAINAGE DETAIL.dwg
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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 GPM	CFS	SOLIDS FT ³	OIL 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

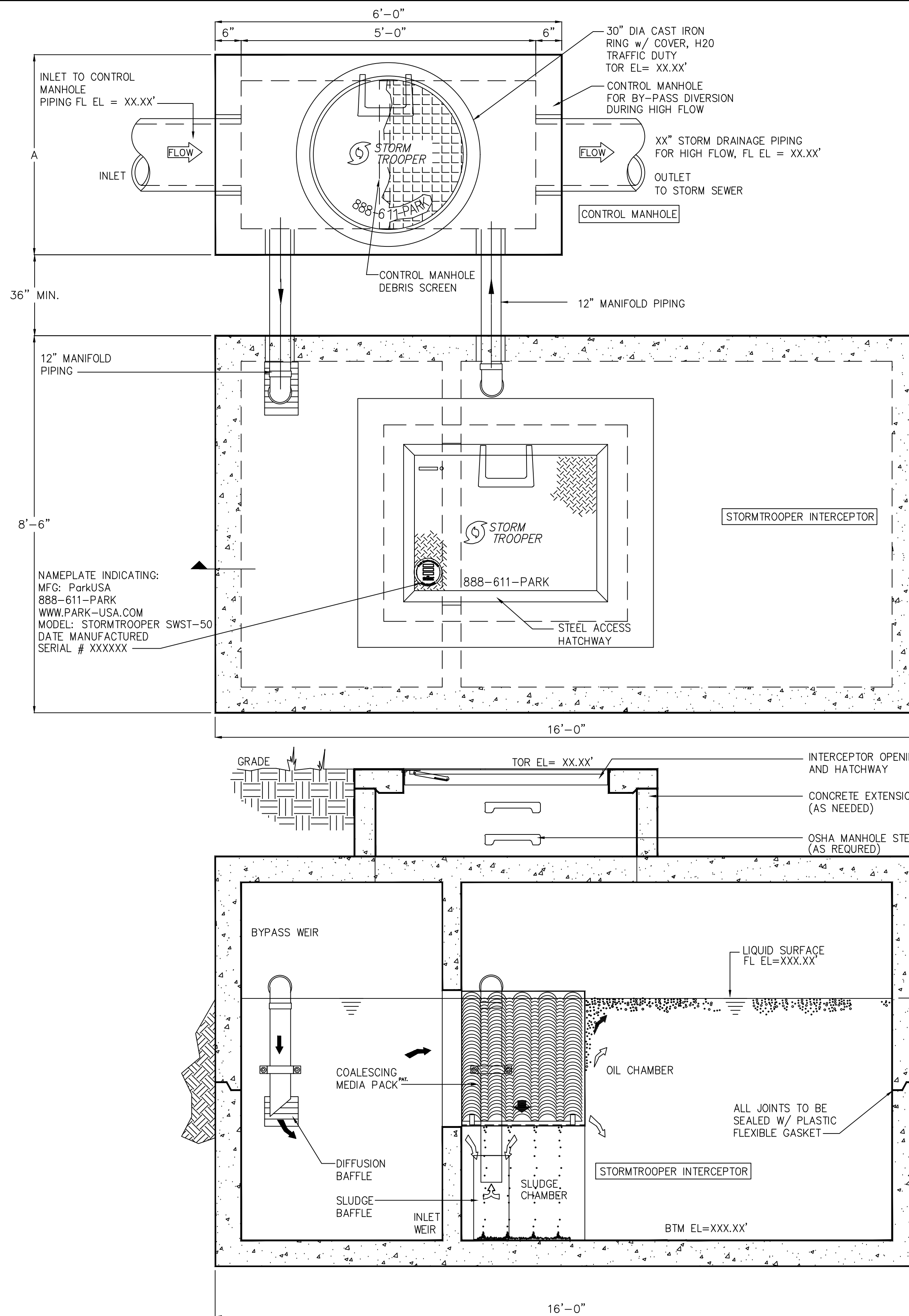
StormTrooper has become known in the industry as the "Easiest to Maintain." Hatchway design makes inspection and vault entry accessible for maintenance. All compartments allow for the larger hose associated with Vector Truck pump out. Maintenance instructions and logs are available from Park Engineering.

Call Us

Contact Park Engineering for help sizing, SWQMPs and performance information.

APPLICATIONS

- INDUSTRIAL
- COMMERCIAL
- RESIDENTIAL
- INSTITUTIONAL
- REDEVELOPMENT
- NPDES - MUNICIPAL/INDUSTRIAL
- BMP STRUCTURAL SOLUTION



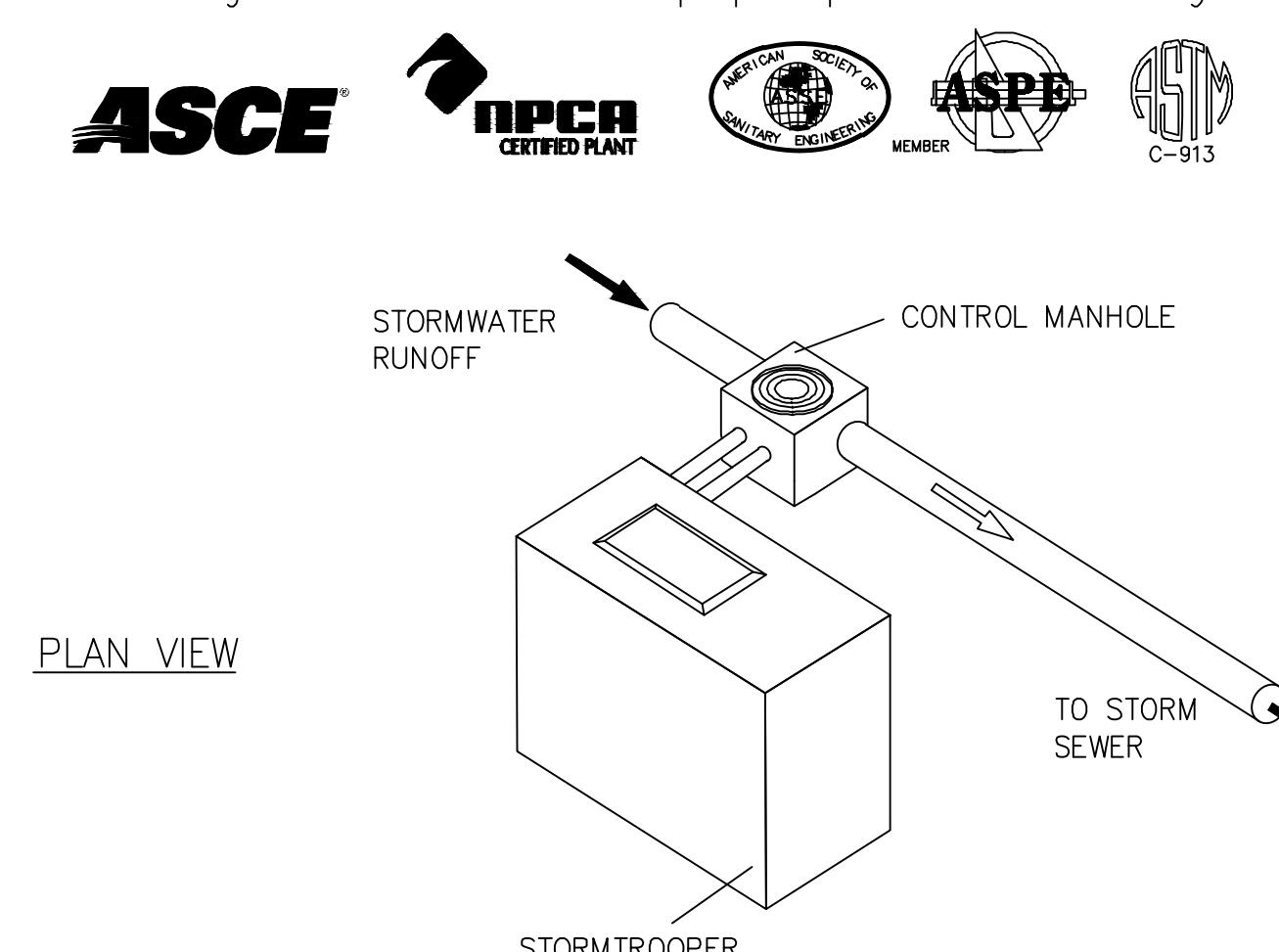
Specifications

- 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 settleable & floatable solids & liquids. The interceptor should be inspected on a regular basis to determine proper operation and cleaning.



STORMWATER INTERCEPTOR
 STORMTROOPER MODEL SWST-50

888.611.PARK
 www.park-usa.com

PARK U.S.A.
 DESIGN FOR WATER

PM A	DRN A	ENG A	DWG. NO. SWST-50	REV. A
DATE 05/16				

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

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12/11/19

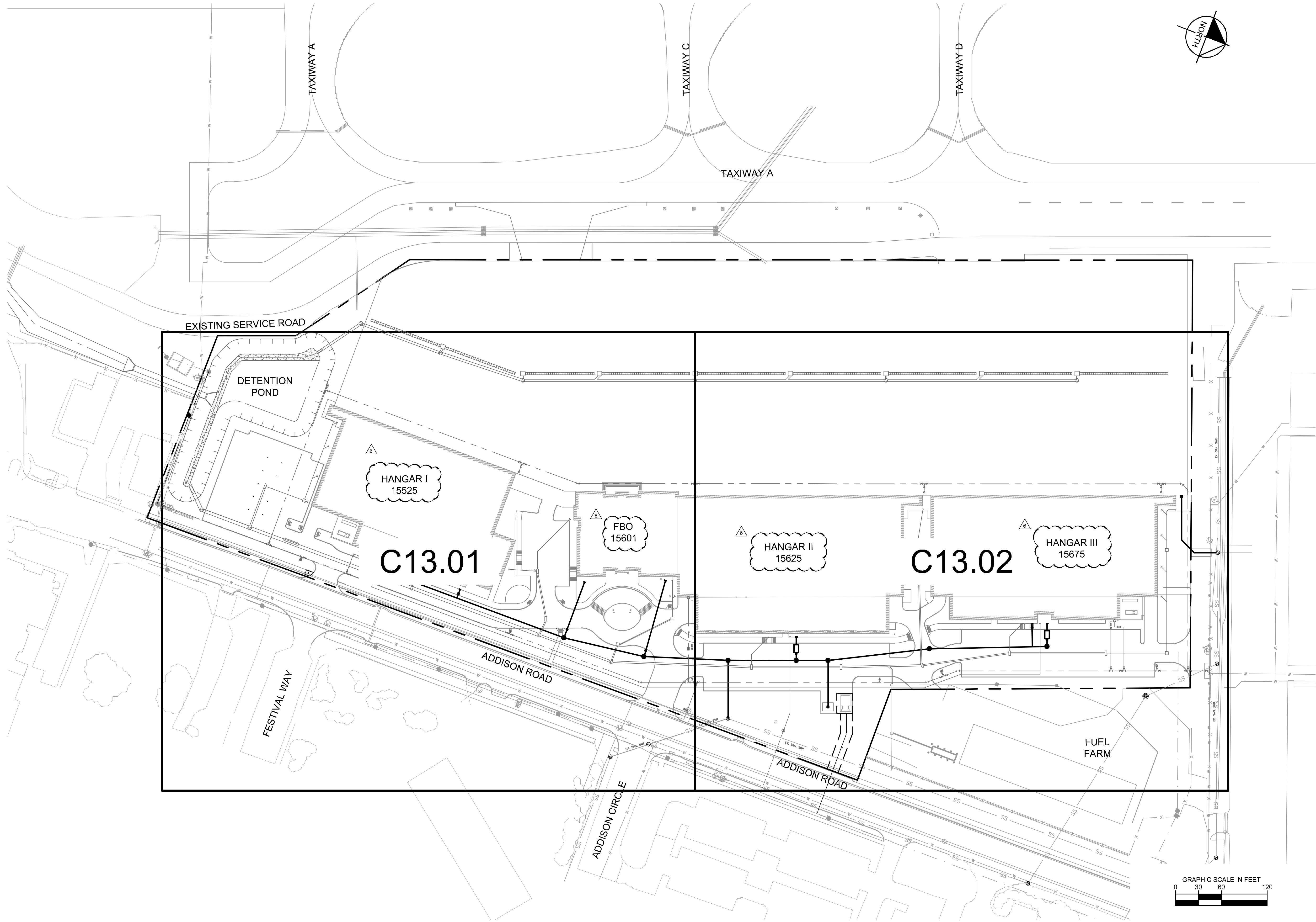
KHA PROJECT	067792503	DATE	12/11/2019	SCALE	AS SHOWN
DESIGNED BY	HCV	DRAWN BY	EC	CHECKED BY	HCV

STORM DRAINAGE DETAILS

ADDISON GALAXY FBO 15601 ADDISON RD. PREPARED FOR BLACK FOREST VENTURE	DALLAS, TEXAS
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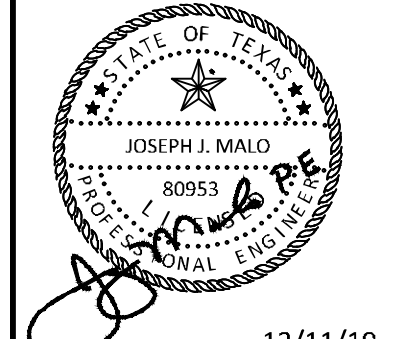
SHEET NUMBER
C12.13

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ADDENDUM #5	09/10/2019
ADDENDUM #6	10/24/2019
	12/11/2019
No.	REVISIONS
	DATE
	BY

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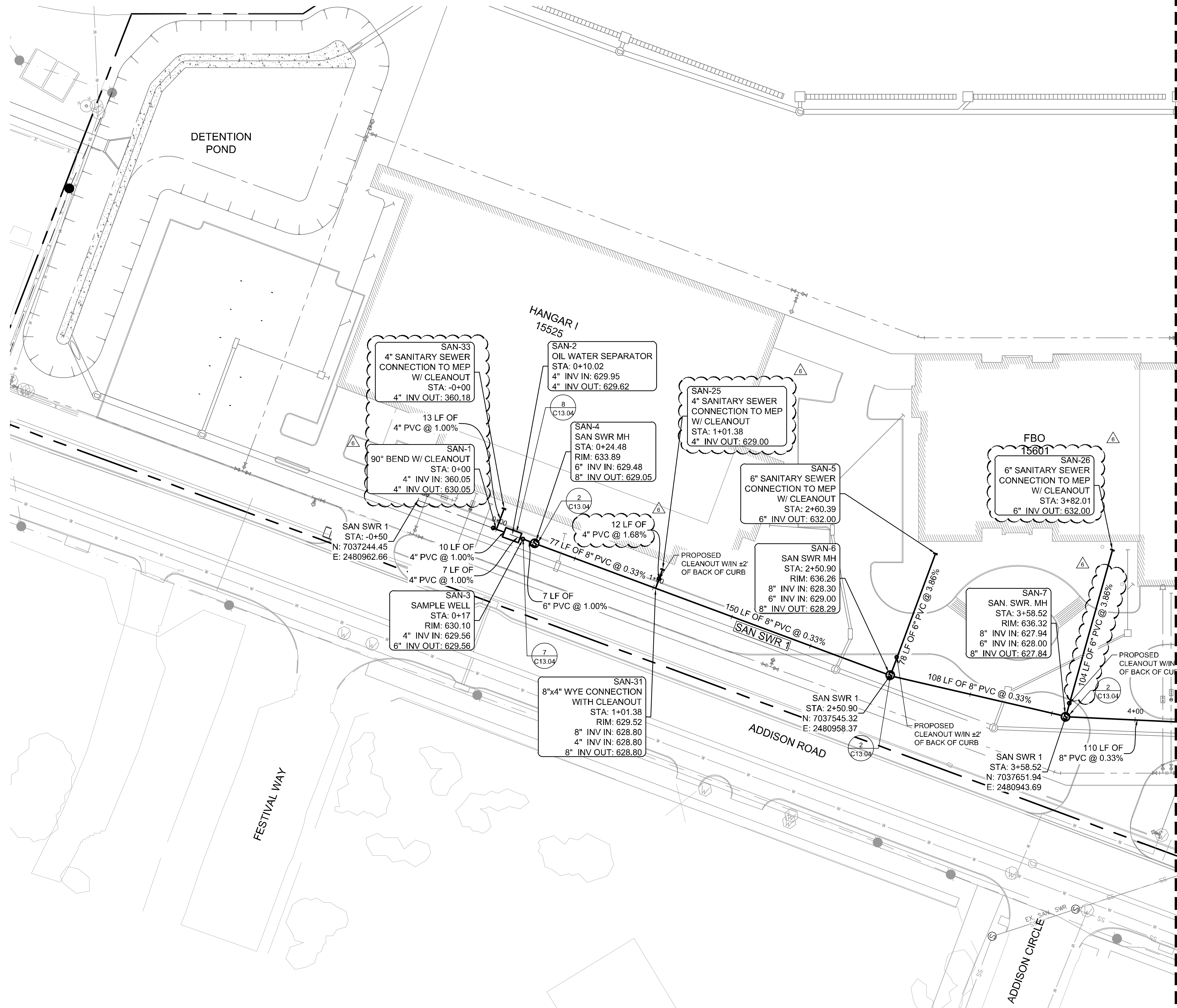
KHA PROJECT	067792503
DATE	12/11/2019
SCALE	AS SHOWN
DESIGNED BY	HCV
DRAWN BY	EC EAC
CHECKED BY	HCV

**SANITARY SEWER PLAN
 KEY MAP**

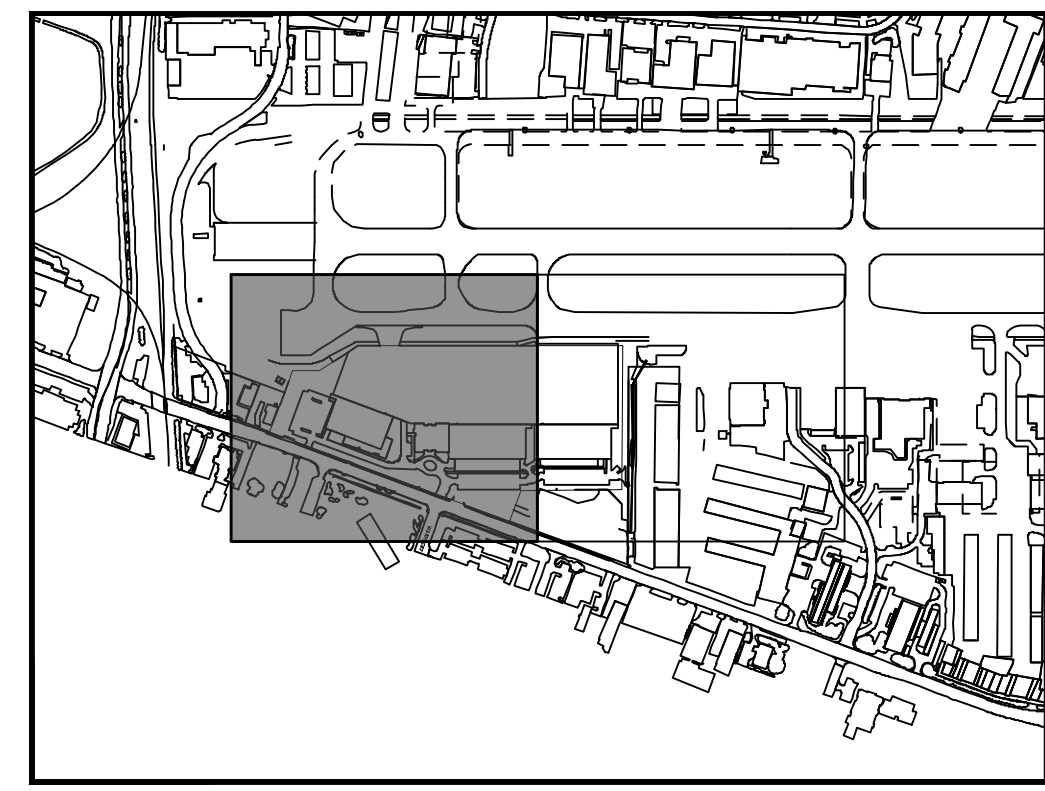
ADDISON GALAXY FBO
 15601 ADDISON RD.
 PREPARED FOR
BLACK FOREST VENTURE
 DALLAS, TEXAS

SHEET NUMBER
C13.00

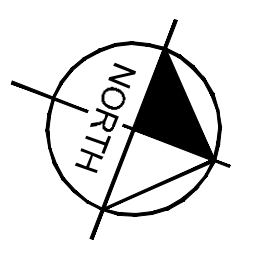
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MATCHLINE SEE SHEET C13.02



KEY PLAN

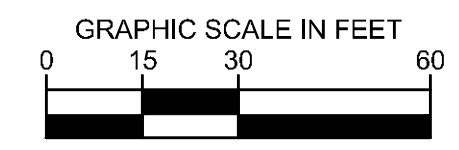


NOTES:

- SEE DETAIL 1 ON C13.04 FOR SANITARY SEWER PIPE EMBANKMENT.
- SANITARY SEWER MANHOLE DETAIL 2 CAN BE SUBSTITUTED WITH SANITARY SEWER MANHOLE DETAIL 3 ON SHEET C13.04.
- SEE MEP, PLUMBING PLANS FOR SANITARY SEWER CONNECTION.
- 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.

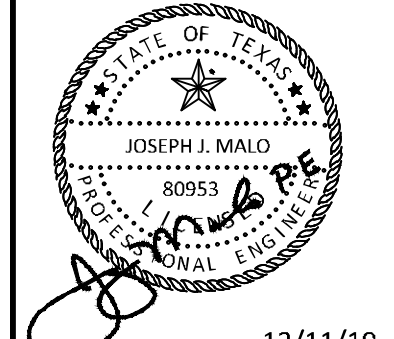
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ADDENDUM #1	ADDENDUM #5	ADDENDUM #6	No.	REVISIONS	DATE	BY
1					09/10/2019	JM
2					10/24/2019	JM
3					12/11/2019	JM

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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

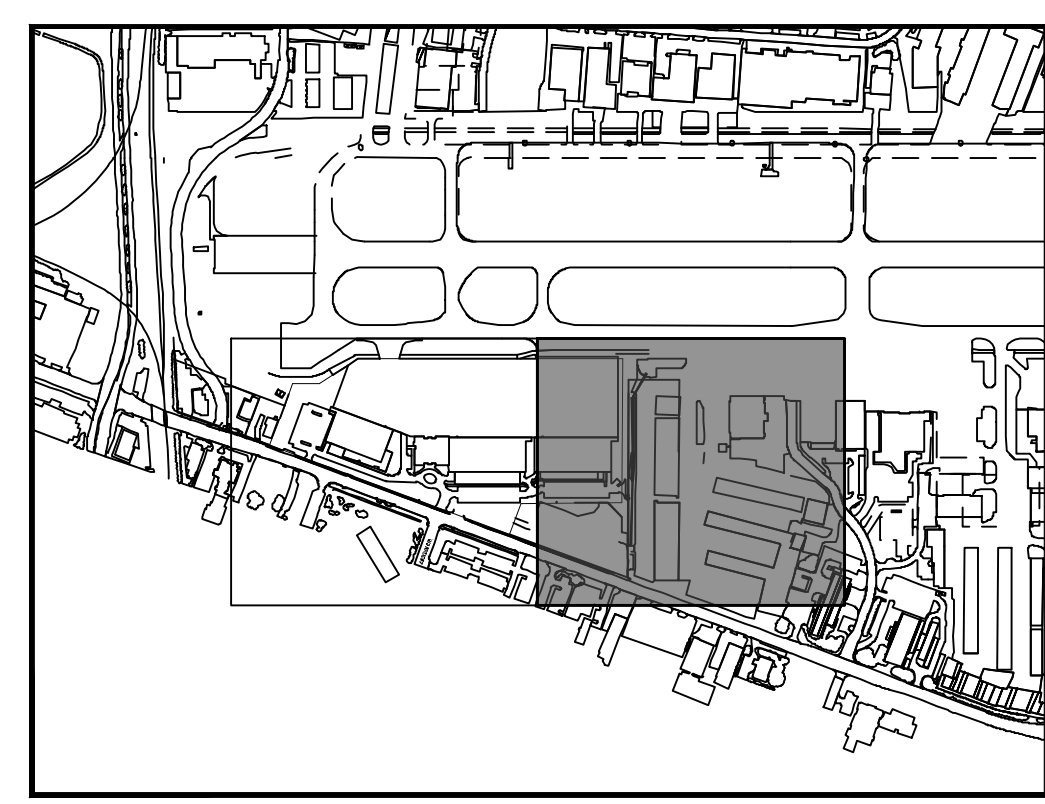
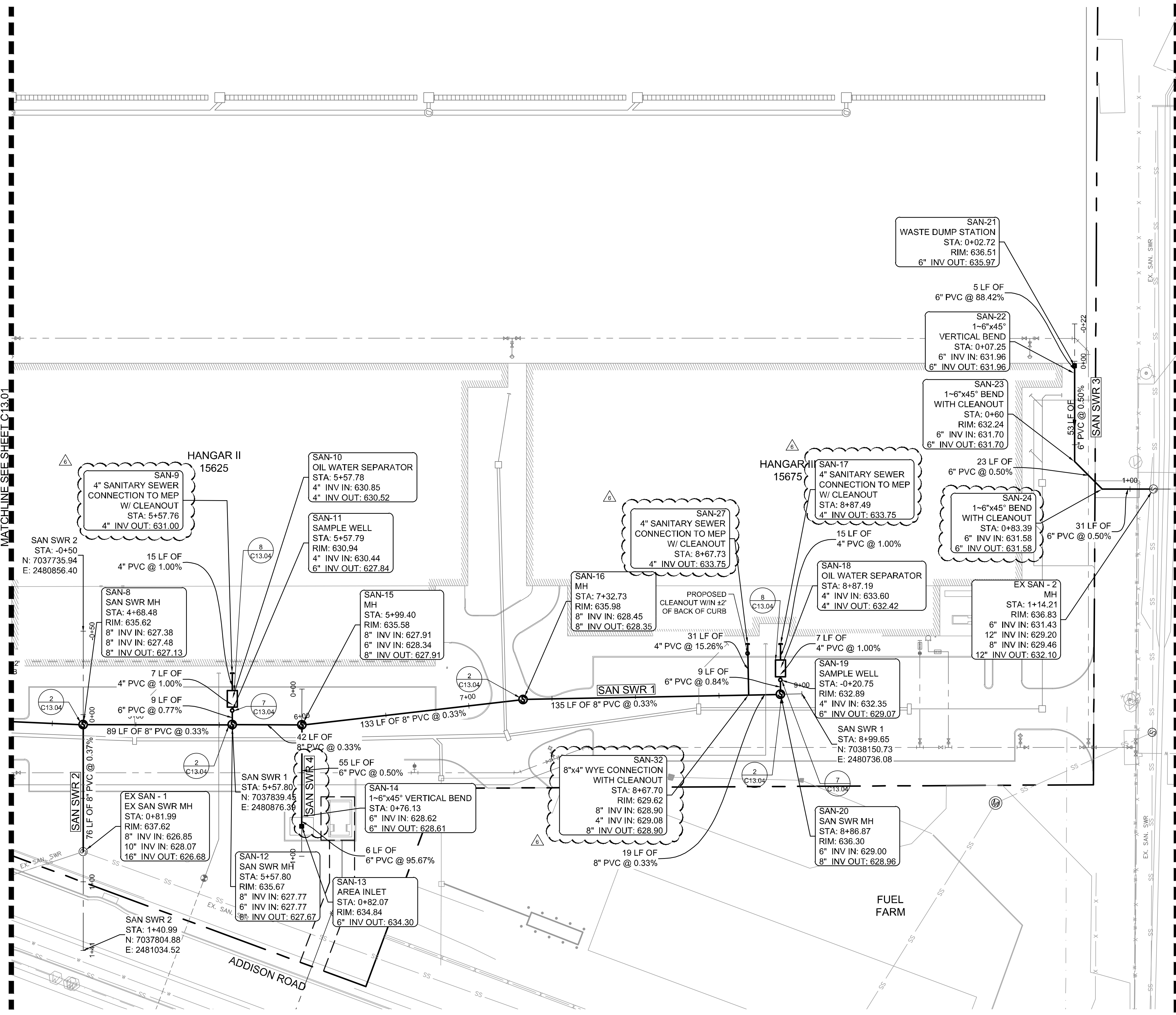
ADDISON GALAXY FBO
 15601 ADDISON RD.
 PREPARED FOR
BLACK FOREST VENTURE

ADDISON DALLAS, TEXAS

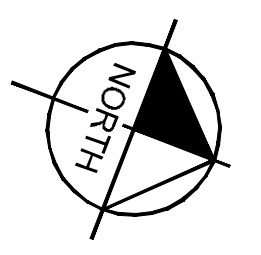
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MATCHLINE SEE SHEET C13.01



KEY PLAN

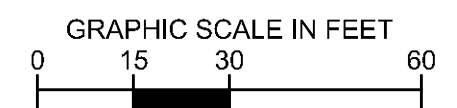


NOTES:

- SEE DETAIL 1 ON C13.04 FOR SANITARY SEWER PIPE EMBANKMENT.
- SANITARY SEWER MANHOLE DETAIL 2 CAN BE SUBSTITUTED WITH SANITARY SEWER MANHOLE DETAIL 3 ON SHEET C13.04.
- SEE MEP, PLUMBING PLANS FOR SANITARY SEWER CONNECTION.
- CONCRETE ENCASE UTILITY CROSSINGS AT ALL TIMES TO PROTECT AGAINST WEIGHT AND FUTURE SETTLING.

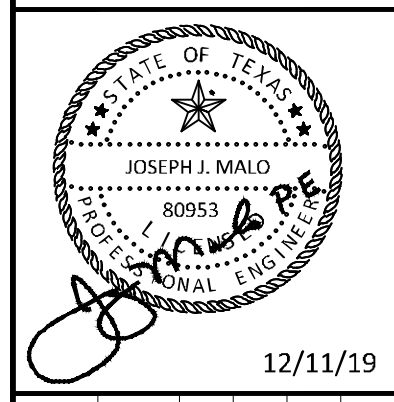
THIS PLAN CONFORMS WITH DESIGN STANDARDS INCLUDED IN THE TOWN OF ADDISON TRANSPORTATION PLAN, WATER SYSTEM REQUIREMENTS, WASTE WATER SYSTEM REQUIREMENTS, AND DRAINAGE CRITERIA MANUAL.

LEGEND



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

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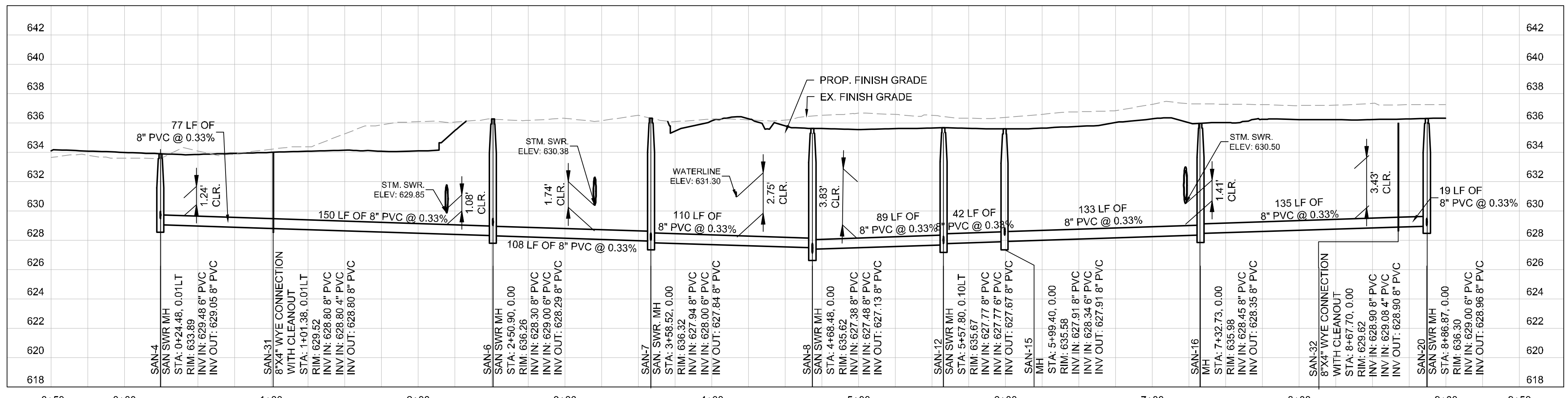
KHA PROJECT	067792503
DATE	12/11/2019
SCALE	AS SHOWN
DESIGNED BY	HCV
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SANITARY SEWER PLAN
SAN SWR 1 AND 2

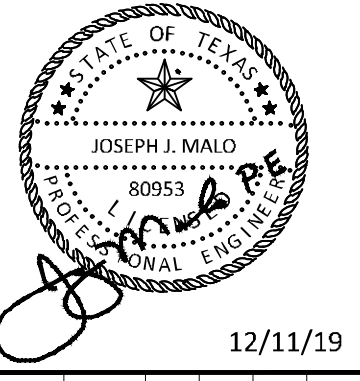
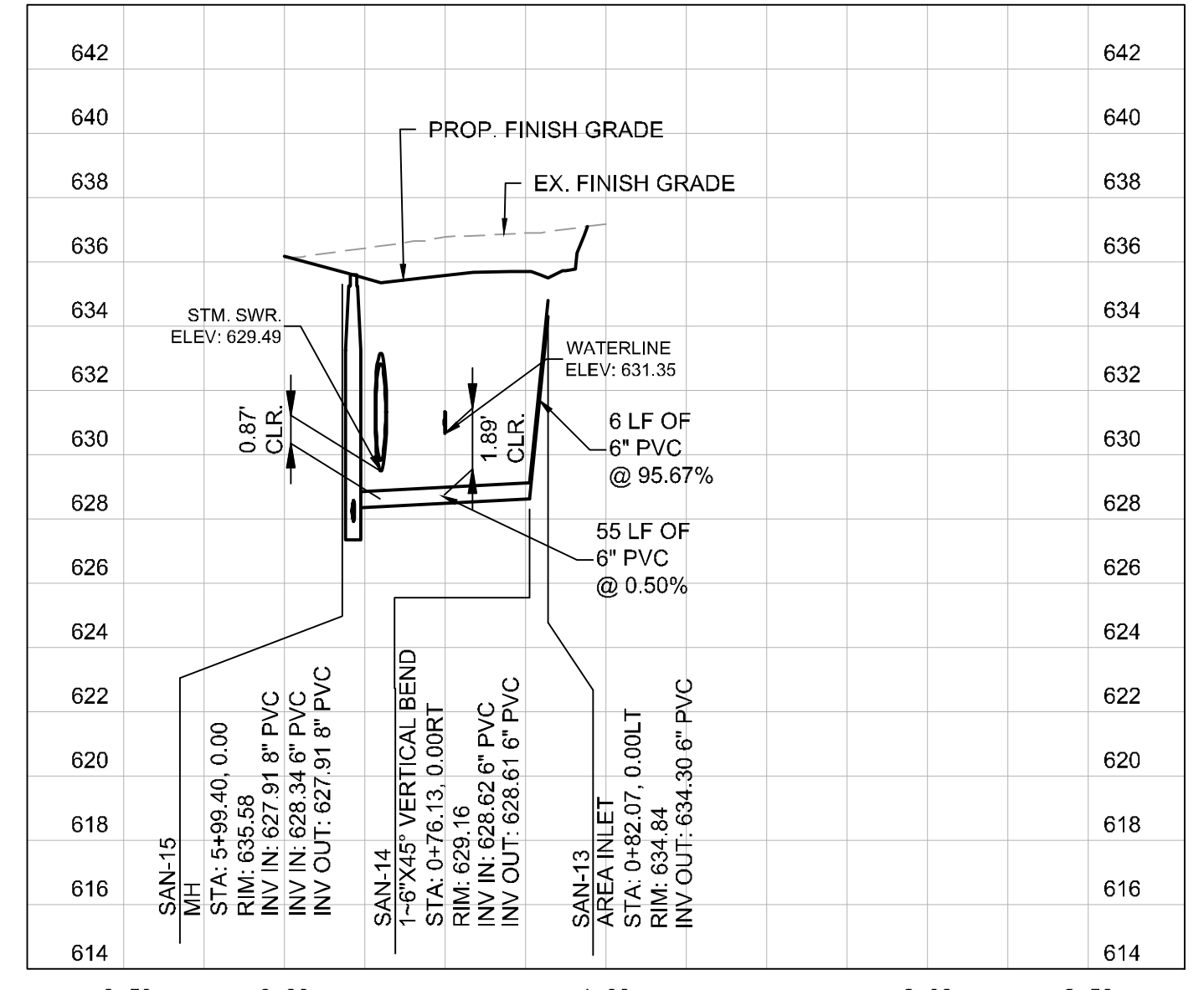
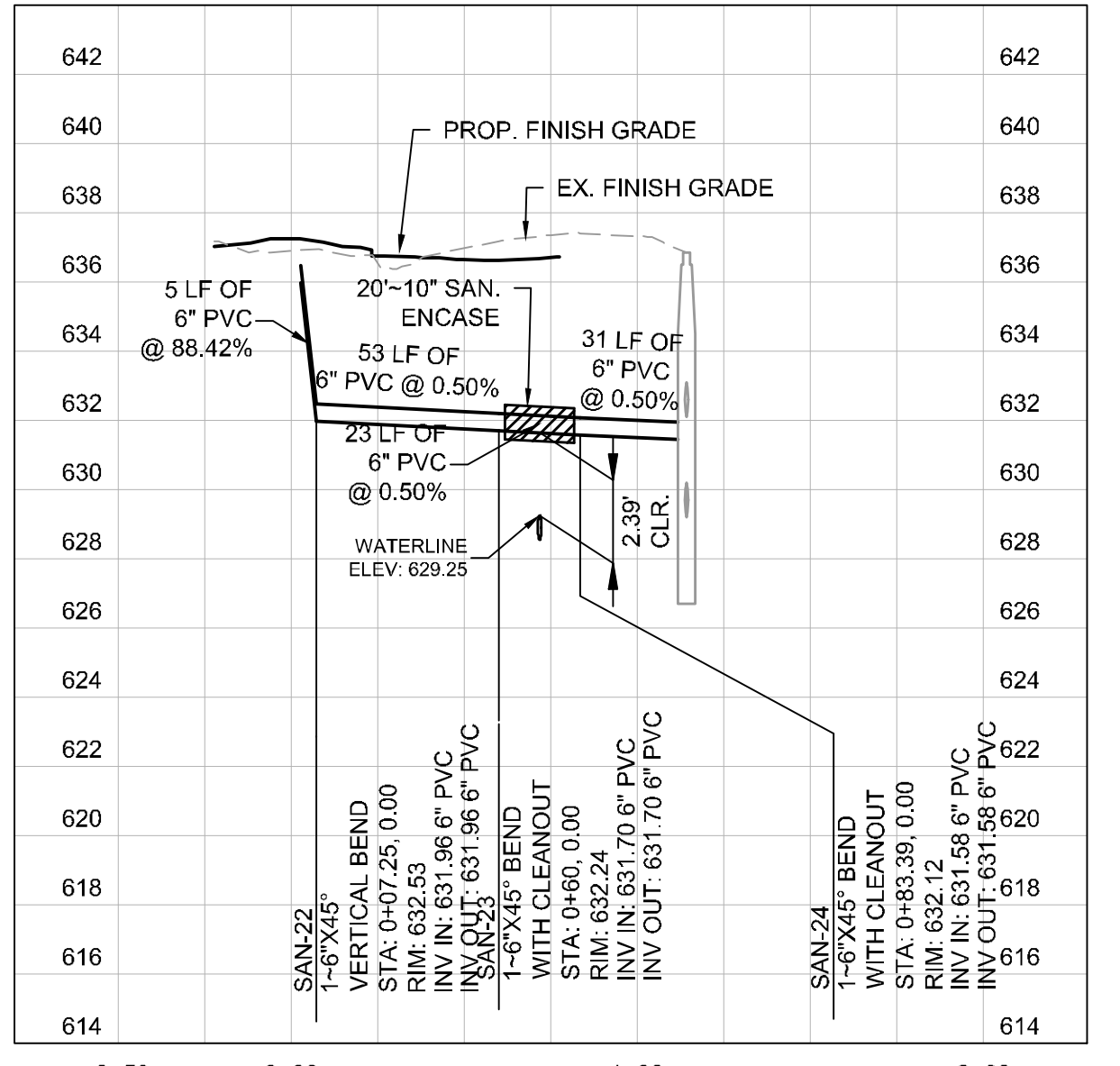
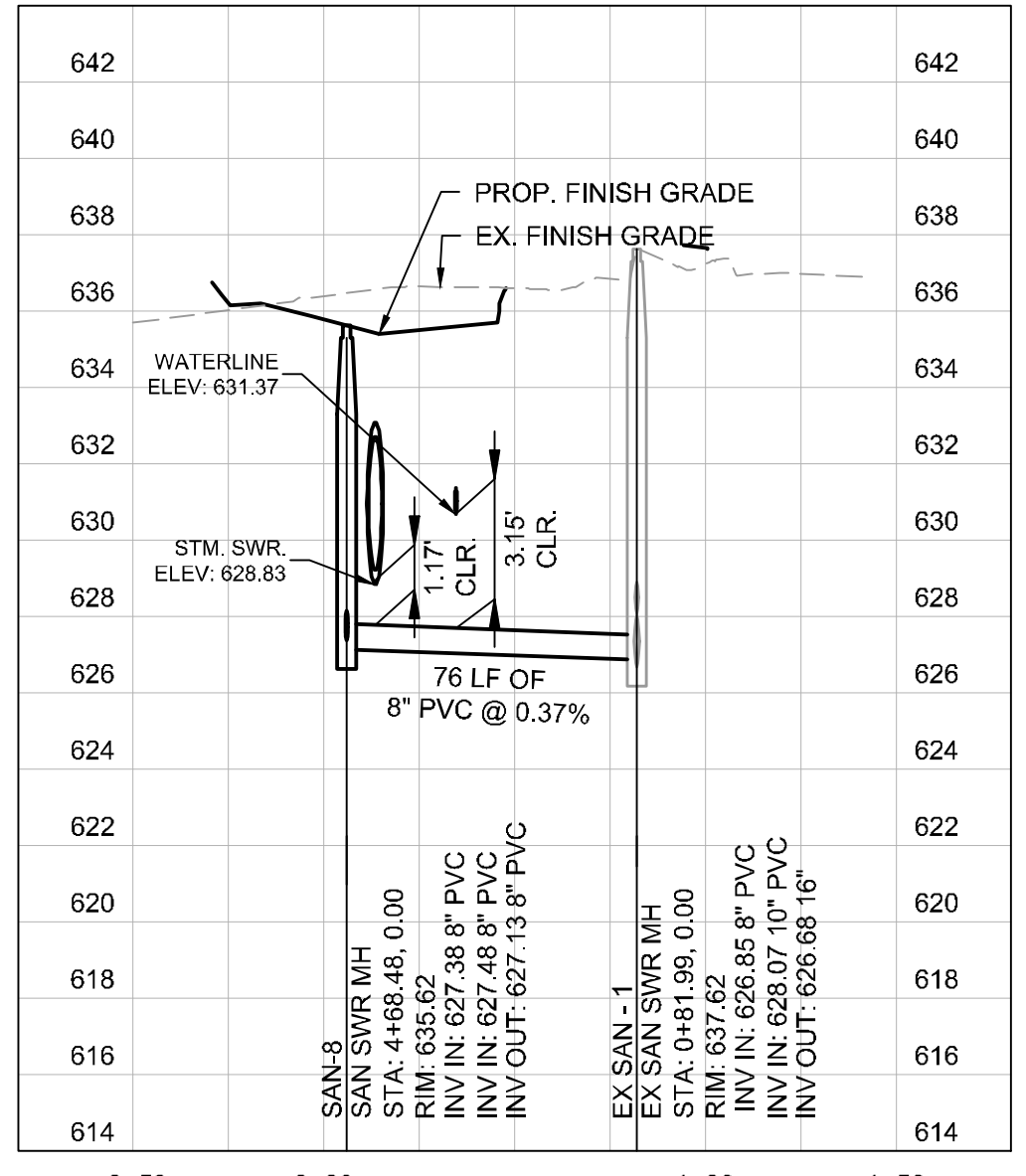
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DALLAS, TEXAS
 ADDISON

SHEET NUMBER
C13.02



NOTE:
CONCRETE ENCASE UTILITY CROSSINGS AT ALL TIMES TO PROTECT AGAINST WEIGHT AND FUTURE SETTLING.



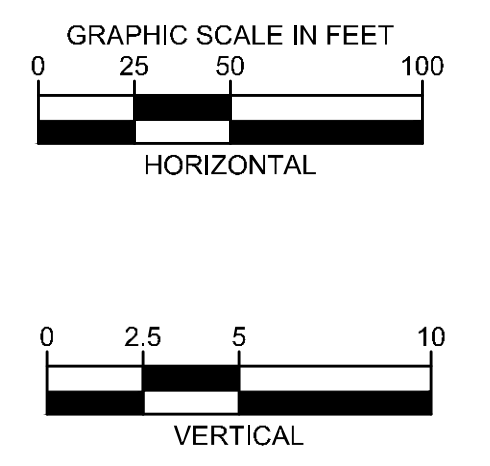
KHA PROJECT	067792503
DATE	12/11/2019
SCALE	AS SHOWN
DESIGNED BY	HCV
DRAWN BY	EC
CHECKED BY	HCV

SANITARY SEWER PROFILE

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

ADDISON DALLAS, TEXAS

ADDENDUM #1	DATE	BY
A	09/10/2019	JM
B	10/24/2019	JM
C	12/11/2019	JM



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TYPICAL P.V.C. WASTEWATER MAIN EMBEDMENT

P.V.C. WASTEWATER MAIN CEMENT STABILIZED SAND EMBEDMENT

NOTES:

- 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.

Addison! PUBLIC WORKS DEPARTMENT	P.V.C. WASTEWATER MAIN EMBEDMENT	STANDARD CONSTRUCTION DETAILS WASTEWATER		
		DATE: AUGUST, 2010	REV DATE: -	SHEET: SD-WW01

PRECAST CONCRETE PIPE MANHOLE ALTERNATE "A"

NOTES:

- IF FALSE MANHOLE BOTTOMS ARE REQUIRED, THEY SHALL BE CONSTRUCTED, INSTALLED, AND REMOVED PER WASTEWATER MANHOLE FALSE BOTTOM STD. DETAIL.
- WHERE MANHOLES ARE OUTSIDE OF PAVEMENT, FRAME & COVER SHALL BE CENTERED IN 5'x5' CONCRETE PAD CLASS 'A' CONCRETE, 4" THICK
- ALL MANHOLES SHALL PASS VACUUM TEST AS PER NCTCOG SPECIFICATIONS

Addison! PUBLIC WORKS DEPARTMENT	PRECAST CONCRETE PIPE MANHOLE ALTERNATE "A"	STANDARD CONSTRUCTION DETAILS WASTEWATER		
		DATE: AUGUST, 2010	REV DATE: -	SHEET: SD-WW06

PRECAST CONCRETE PIPE MANHOLE ALTERNATE "B"

NOTES:

- IF FALSE MANHOLE BOTTOMS ARE REQUIRED, THEY SHALL BE CONSTRUCTED, INSTALLED, AND REMOVED PER WASTEWATER MANHOLE FALSE BOTTOM STD. DETAIL.
- WHERE MANHOLES ARE OUTSIDE OF PAVEMENT, FRAME & COVER SHALL BE CENTERED IN 5'x5' CONCRETE PAD CLASS 'A' CONCRETE, 4" THICK
- ALL MANHOLES SHALL PASS VACUUM TEST AS PER NCTCOG SPECIFICATIONS

Addison! PUBLIC WORKS DEPARTMENT	PRECAST CONCRETE PIPE MANHOLE ALTERNATE "B"	STANDARD CONSTRUCTION DETAILS WASTEWATER		
		DATE: AUGUST, 2010	REV DATE: -	SHEET: SD-WW07

CAST IRON MANHOLE FRAME AND COVER

NOTES:

- THERE SHALL BE SMOOTH TRANSITION BETWEEN THE FRAME GRADE RING, OR THE GRADE RING AND THE CONE.
- CONCRETE EXTENSION RINGS MAY BE PRECAST OR CAST-IN-PLACE. BRICK EXTENSION RINGS WILL NOT BE ALLOWED.
- 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.

Addison! PUBLIC WORKS DEPARTMENT	CAST IRON MANHOLE FRAME AND COVER	STANDARD CONSTRUCTION DETAILS WASTEWATER		
		DATE: AUGUST, 2010	REV DATE: -	SHEET: SD-WW11

PRESSURE TYPE MANHOLE FRAME AND COVER

NOTES:

- IF FALSE MANHOLE BOTTOMS ARE REQUIRED, THEY SHALL BE CONSTRUCTED, INSTALLED, AND REMOVED PER WASTEWATER MANHOLE FALSE BOTTOM STD. DETAIL.
- WHERE MANHOLES ARE OUTSIDE OF PAVEMENT, FRAME & COVER SHALL BE CENTERED IN 5'x5' CONCRETE PAD CLASS 'A' CONCRETE, 4" THICK
- ALL MANHOLES SHALL PASS VACUUM TEST AS PER NCTCOG SPECIFICATIONS

Addison! PUBLIC WORKS DEPARTMENT	PRESSURE TYPE MANHOLE FRAME AND COVER	STANDARD CONSTRUCTION DETAILS WASTEWATER		
		DATE: AUGUST, 2010	REV DATE: -	SHEET: SD-WW12

WASTEWATER MANHOLE LINE INTERSECTION

'C-T' PIPE ADAPTER

Addison! PUBLIC WORKS DEPARTMENT	WASTEWATER MANHOLE LINE INTERSECTION & 'C-T' PIPE ADAPTER	STANDARD CONSTRUCTION DETAILS WASTEWATER		
		DATE: AUGUST, 2010	REV DATE: -	SHEET: SD-WW13

SAMPLE WELL BASIN

NOTES:

- SAMPLING WELL MUST BE INSTALLED UNDER A SEPARATE PLUMBING PERMIT.
- USE 15" FOR INSTALLATION 6'-0" DEEP AND LESS.
- USE 24" FOR INSTALLATION GREATER THAN 6'-0" DEEP. (STD RING AND M.H. COVER REQUIRED)
- SAMPLING WELL MUST BE SET IN A CIRCULAR OR SQUARE CONCRETE PAD (1'-0" GREATER THAN OUTSIDE DIAMETER OF PIPE)
- INSTALLATION INSIDE BLDG MUST BE PERFORMED IN PLACE (15MIN) NO CONCRETE PIPE IS PERMITTED. (AIR-TIGHT COVER REQUIRED.)
- LAWN INSTALLATION MUST BE 4" ABOVE FINISHED GRADE.
- DRIVE & SIDEWALK INSTALLATION MUST BE BROUGHT TO FINISHED GRADE
- TO BE INSTALLED ON PRIVATE PROPERTY, IN AN ACCESSIBLE LOCATION TO CITY PERSONNEL.

Addison! PUBLIC WORKS DEPARTMENT	WASTEWATER MANHOLE LINE INTERSECTION & 'C-T' PIPE ADAPTER	STANDARD CONSTRUCTION DETAILS WASTEWATER		
		DATE: AUGUST, 2010	REV DATE: -	SHEET: SD-WW13

OIL SEPARATOR

NOTES:

- SAMPLING WELL MUST BE INSTALLED UNDER A SEPARATE PLUMBING PERMIT.
- USE 15" FOR INSTALLATION 6'-0" DEEP AND LESS.
- USE 24" FOR INSTALLATION GREATER THAN 6'-0" DEEP. (STD RING AND M.H. COVER REQUIRED)
- SAMPLING WELL MUST BE SET IN A CIRCULAR OR SQUARE CONCRETE PAD (1'-0" GREATER THAN OUTSIDE DIAMETER OF PIPE)
- INSTALLATION INSIDE BLDG MUST BE PERFORMED IN PLACE (15MIN) NO CONCRETE PIPE IS PERMITTED. (AIR-TIGHT COVER REQUIRED.)
- LAWN INSTALLATION MUST BE 4" ABOVE FINISHED GRADE.
- DRIVE & SIDEWALK INSTALLATION MUST BE BROUGHT TO FINISHED GRADE
- TO BE INSTALLED ON PRIVATE PROPERTY, IN AN ACCESSIBLE LOCATION TO CITY PERSONNEL.

Addison! PUBLIC WORKS DEPARTMENT	WASTEWATER MANHOLE LINE INTERSECTION & 'C-T' PIPE ADAPTER	STANDARD CONSTRUCTION DETAILS WASTEWATER		
		DATE: AUGUST, 2010	REV DATE: -	SHEET: SD-WW13

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 WWW.KIMLEY-HORN.COM

STATE OF TEXAS
 JOSEPH J. MALLO
 80953
 PROFESSIONAL ENGINEER

12/11/19

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

SANITARY DETAILS

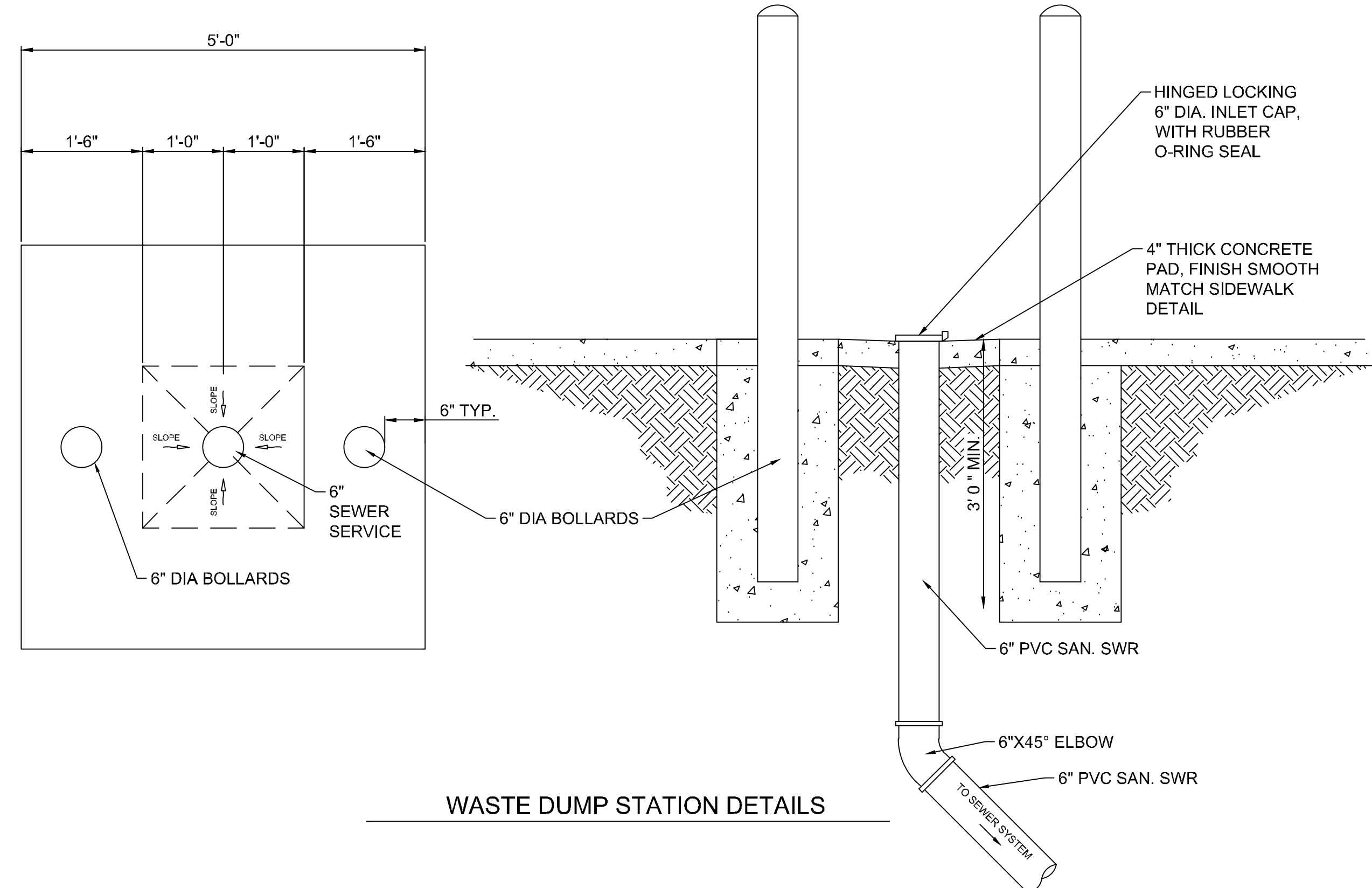
ADDISON GALAXY FBO
 15601 ADDISON RD.
 PREPARED FOR:
 BLACK FOREST VENTURE

DALLAS, TEXAS

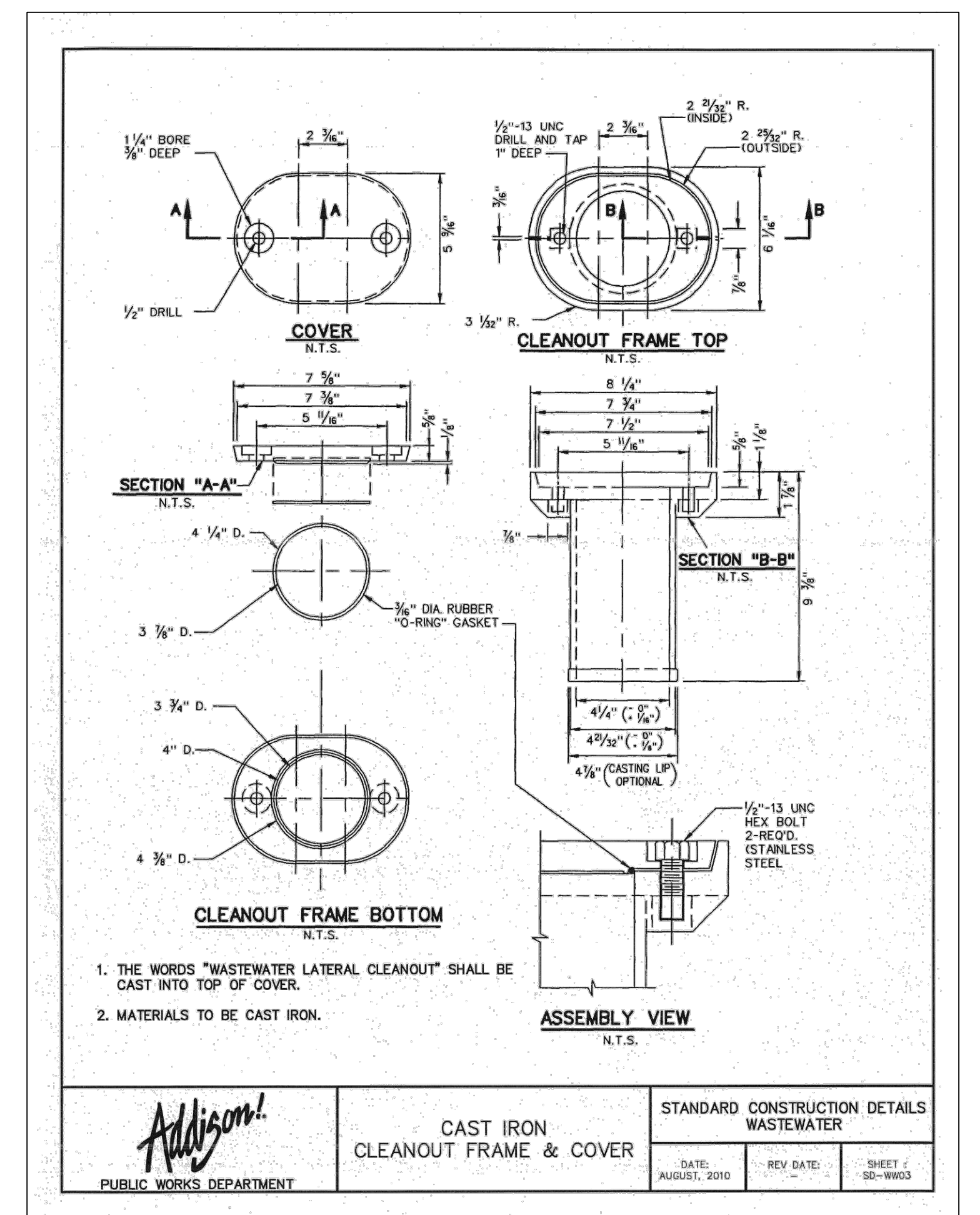
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1

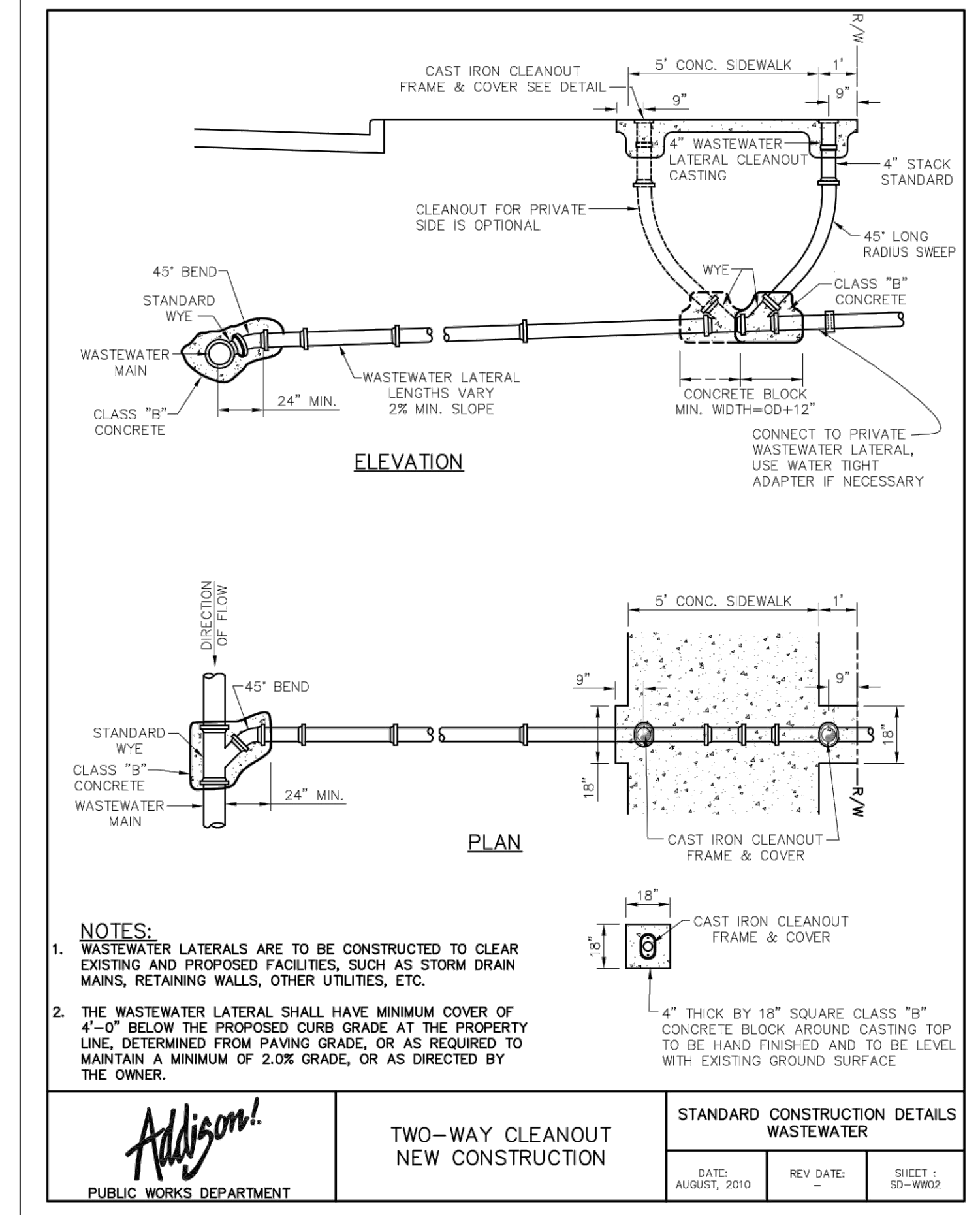


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PUBLIC WORKS DEPARTMENT	STANDARD CONSTRUCTION DETAILS WASTEWATER	
	DATE: AUGUST, 2010	SHEET: SB-WW03

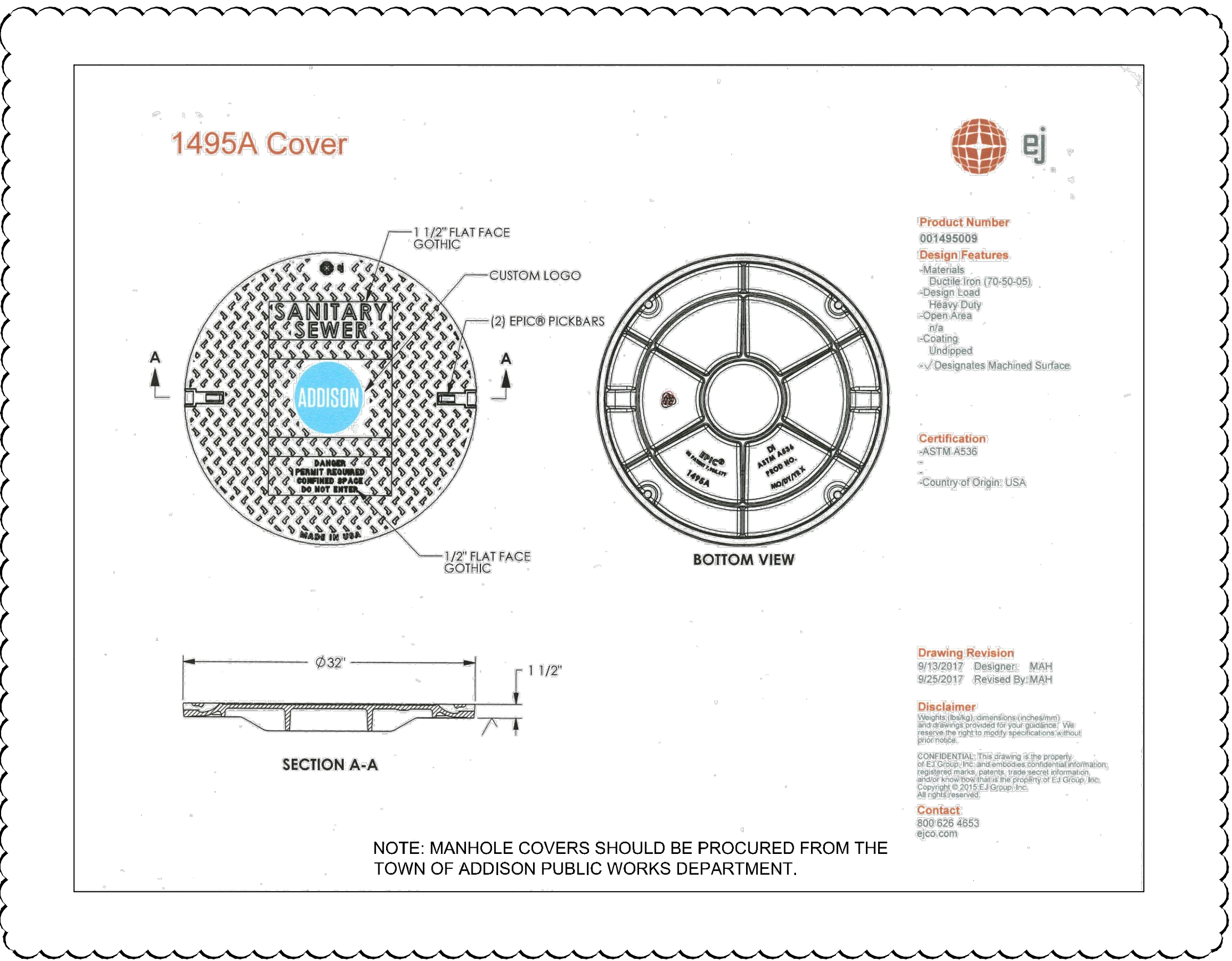
2



- NOTES:**
- WASTEWATER LATERALS ARE TO BE CONSTRUCTED TO CLEAR EXISTING AND PROPOSED FACILITIES, SUCH AS STORM DRAIN MAINS, RETAINING WALLS, OTHER UTILITIES, ETC.
 - 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.

PUBLIC WORKS DEPARTMENT	STANDARD CONSTRUCTION DETAILS WASTEWATER	
	DATE: AUGUST, 2010	SHEET: 3-WW02

3



Product Number
001495009

Design Features
-Materials
Ductile Iron (70-90-05)
-Design Load
Heavy Duty
-Open Area
40%
-Coating
Uncoated
-Designates Machined Surface

Certification
-ASTM A336
-Country of Origin: USA

Drawing Revision
01/13/2017 Designer: MAH
02/25/2017 Revised By: MAH

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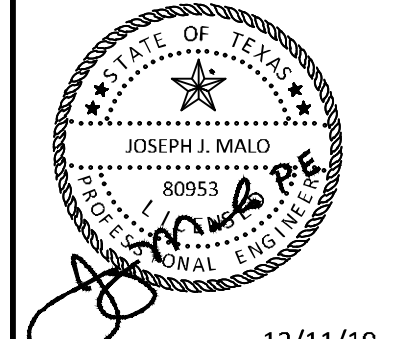
Contact
800 626 4853
ejco.com

NOTE: MANHOLE COVERS SHOULD BE PROCURED FROM THE TOWN OF ADDISON PUBLIC WORKS DEPARTMENT.

ADDENDUM #1	ADDENDUM #5	ADDENDUM #6	NO.	REVISIONS	DATE	BY
1	4	2				
2	5	3				
3	6	4				

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

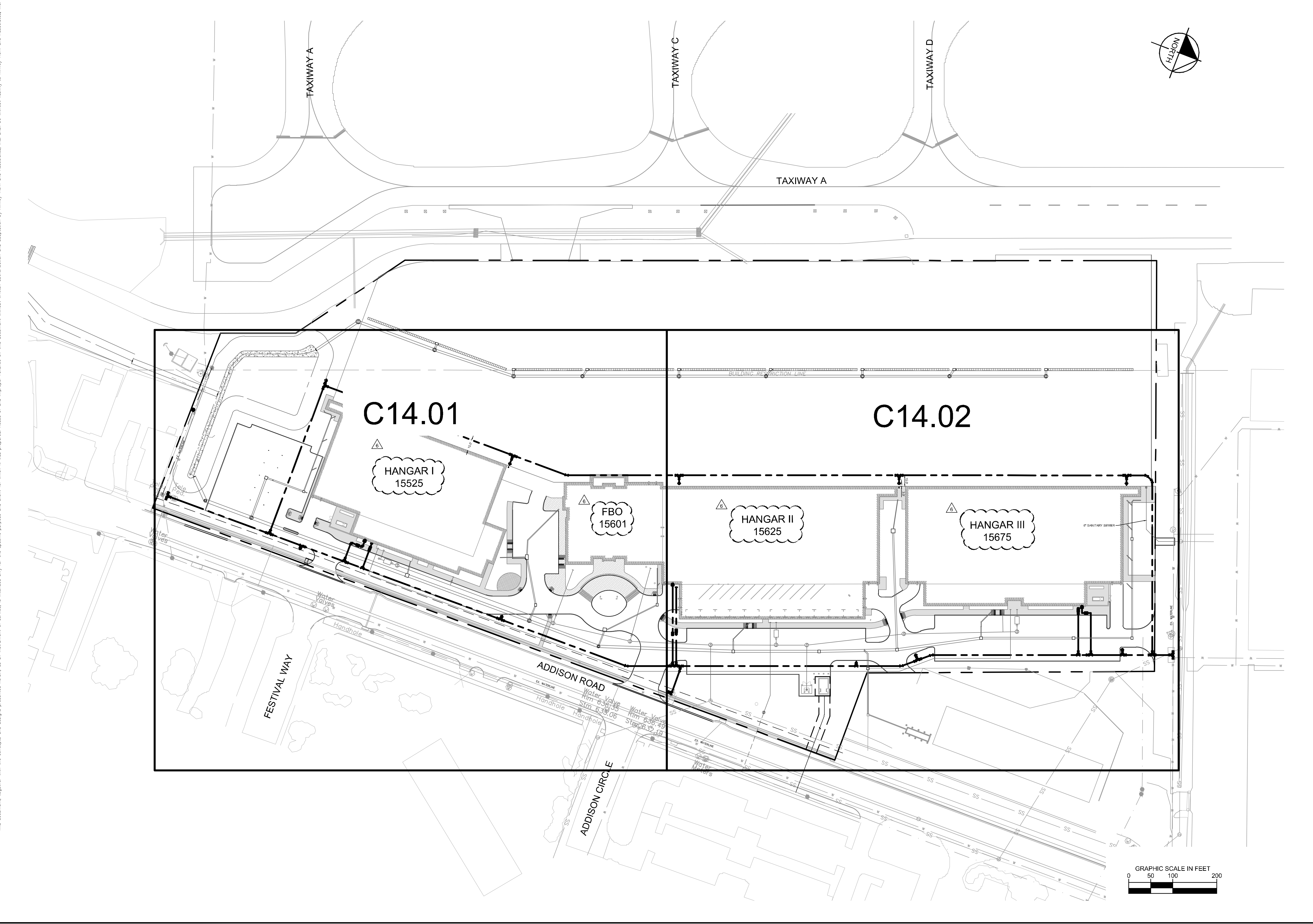
SANITARY DETAILS

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

DALLAS, TEXAS

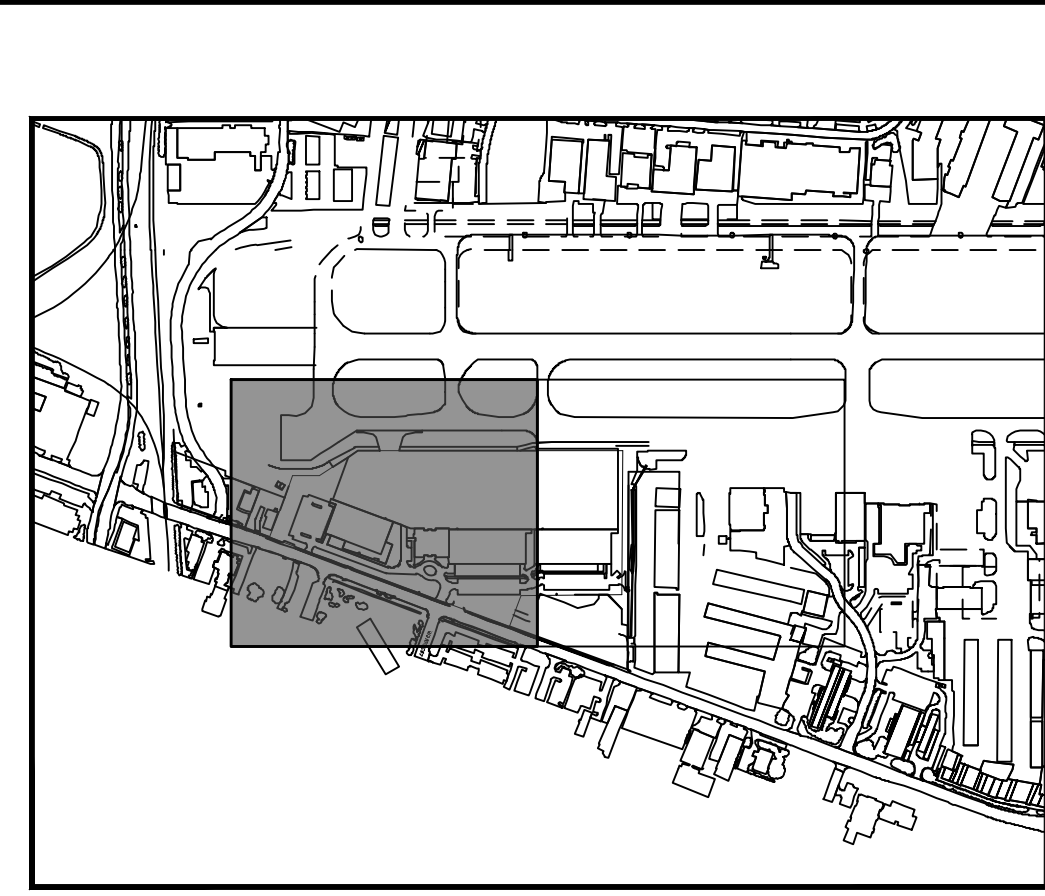
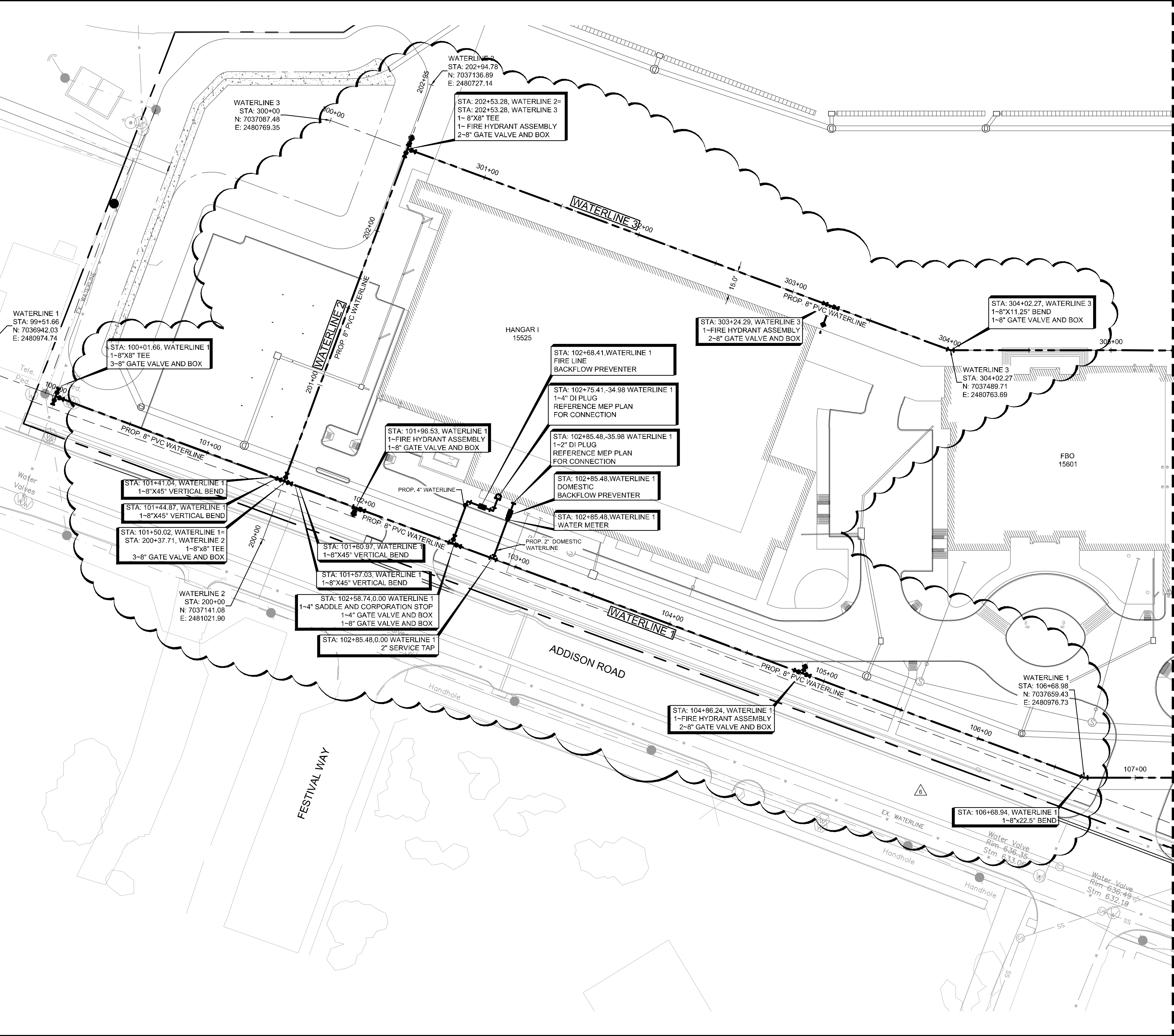
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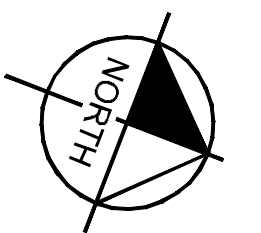


ADDISON GALAXY FBO 15601 ADDISON RD. PREPARED FOR BLACK FOREST VENTURE	WATERLINE PLAN KEY MAP	KHA PROJECT 067792503	DATE 12/11/2019	SCALE AS SHOWN	DESIGNED BY HCV	DRAWN BY EC EAC	CHECKED BY HCV	12/11/19		Kimley»Horn © 2019 KIMLEY-HORN AND ASSOCIATES, INC. 1400 WOODLICK FOREST DRIVE, SUITE 225 DALLAS, TEXAS 75244 PHONE: 281-475-2816 TBPE FIRM REGISTRATION F-928 WWW.KIMLEY-HORN.COM	ADDENDUM #1 09/10/2019 JM	ADDENDUM #2 10/24/2019 JM	ADDENDUM #3 12/11/2019 JM	No.	REVISIONS	DATE	BY
		SHEET NUMBER C14.00	ADDISON	DALLAS, TEXAS	No.	REVISIONS	DATE	BY									

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KEY PLAN



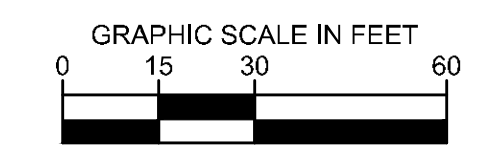
NOTES:

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

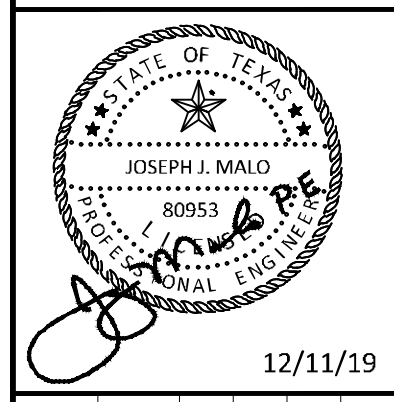


MATCHLINE SEE SHEET C14.02

ADDENDUM #1	ADDENDUM #5	ADDENDUM #6	No.	REVISIONS	DATE	BY
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2					10/24/2019	JM
3					12/11/2019	JM

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

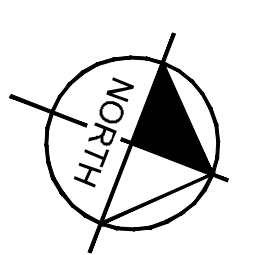
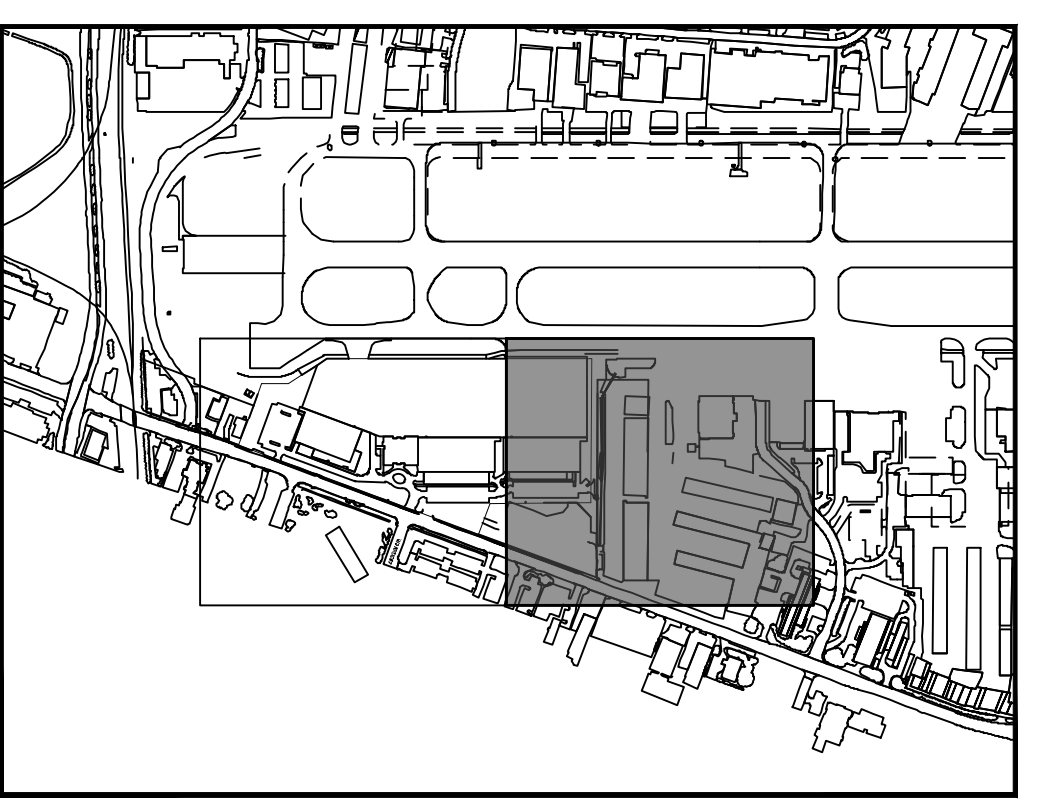
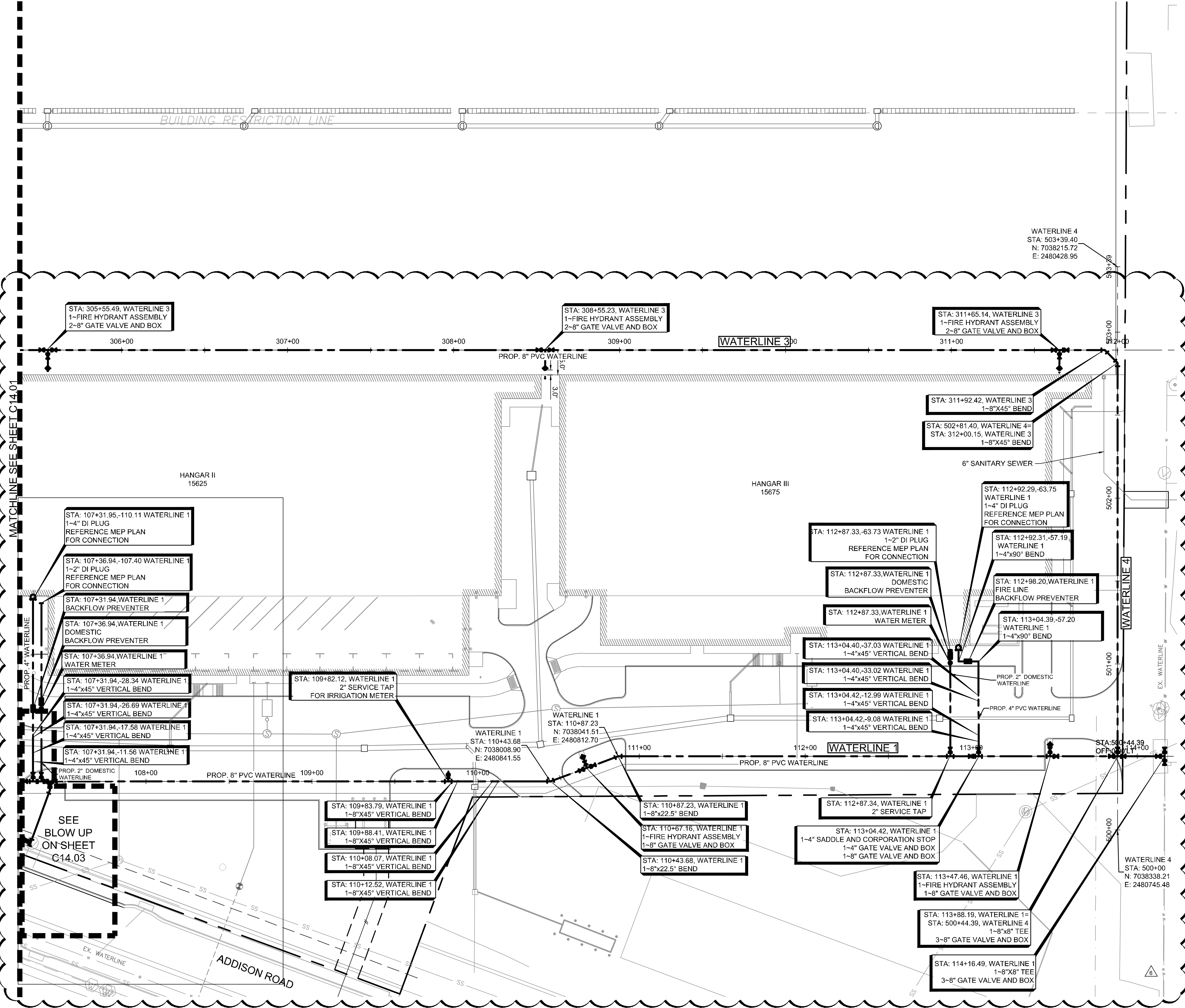
WATERLINE PLAN

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

ADDISON DALLAS, TEXAS

SHEET NUMBER
C14.01

Plotted By: Lamiar, Morgan. Sheet: Sctkno. Layout: C14.02. December 12, 2019. 05:58:24pm. K:\V\A\Addison\067792503 - Addison Galaxy FBO\KAD.dwg. Sheets: C14.00 WATERLINE.dwg
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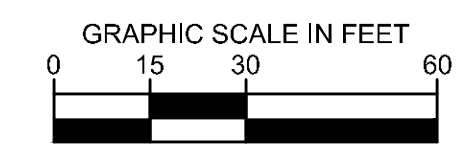
NOTES:

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.
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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

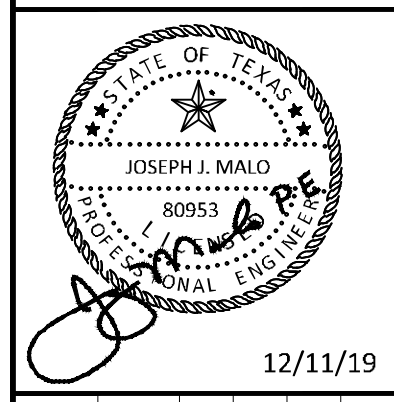
- EXISTING WATERLINE
- DOMESTIC WATERLINE
- FIRE PROTECTION WATERLINE
- GATE VALVE AND BOX
- FIRE HYDRANT
- PLUG AND CLAMP
- BACKFLOW PREVENTER
- FDC
- 2" WATER METER



ADDENDUM #1	DATE	BY
1	09/10/2019	JM
2	10/24/2019	JM
3	12/11/2019	JM

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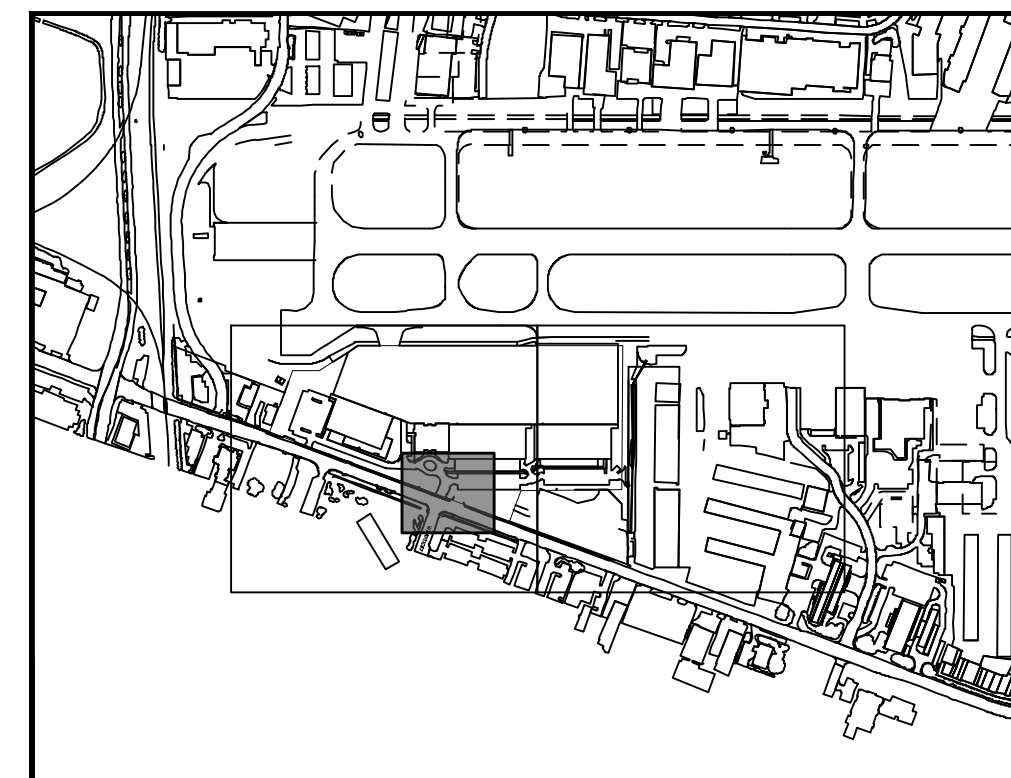
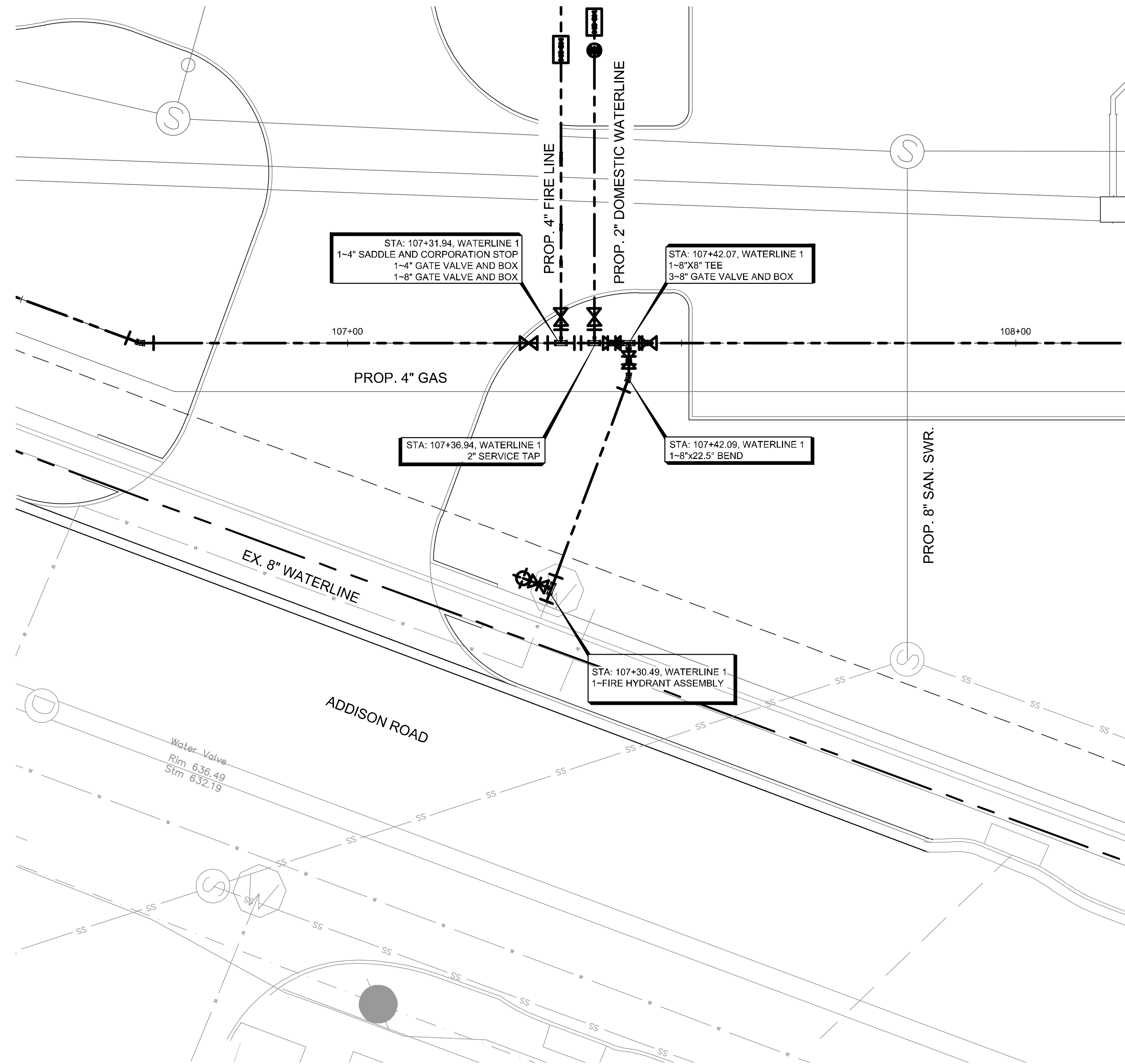
WATERLINE PLAN

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

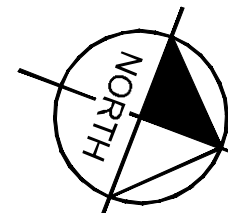
DALLAS, TEXAS

SHEET NUMBER
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KEY PLAN



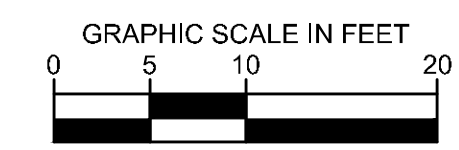
NOTES:

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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

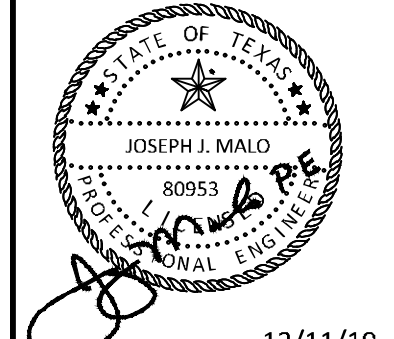
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- DOMESTIC WATERLINE
- FIRE PROTECTION WATERLINE
- GATE VALVE AND BOX
- FIRE HYDRANT
- PLUG AND CLAMP
- BACKFLOW PREVENTER
- FDC
- 2" WATER METER



ADDENDUM #1	ADDENDUM #5	ADDENDUM #6	NO.	REVISIONS	DATE	BY
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2					10/24/2019	JM
3					12/11/2019	JM

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

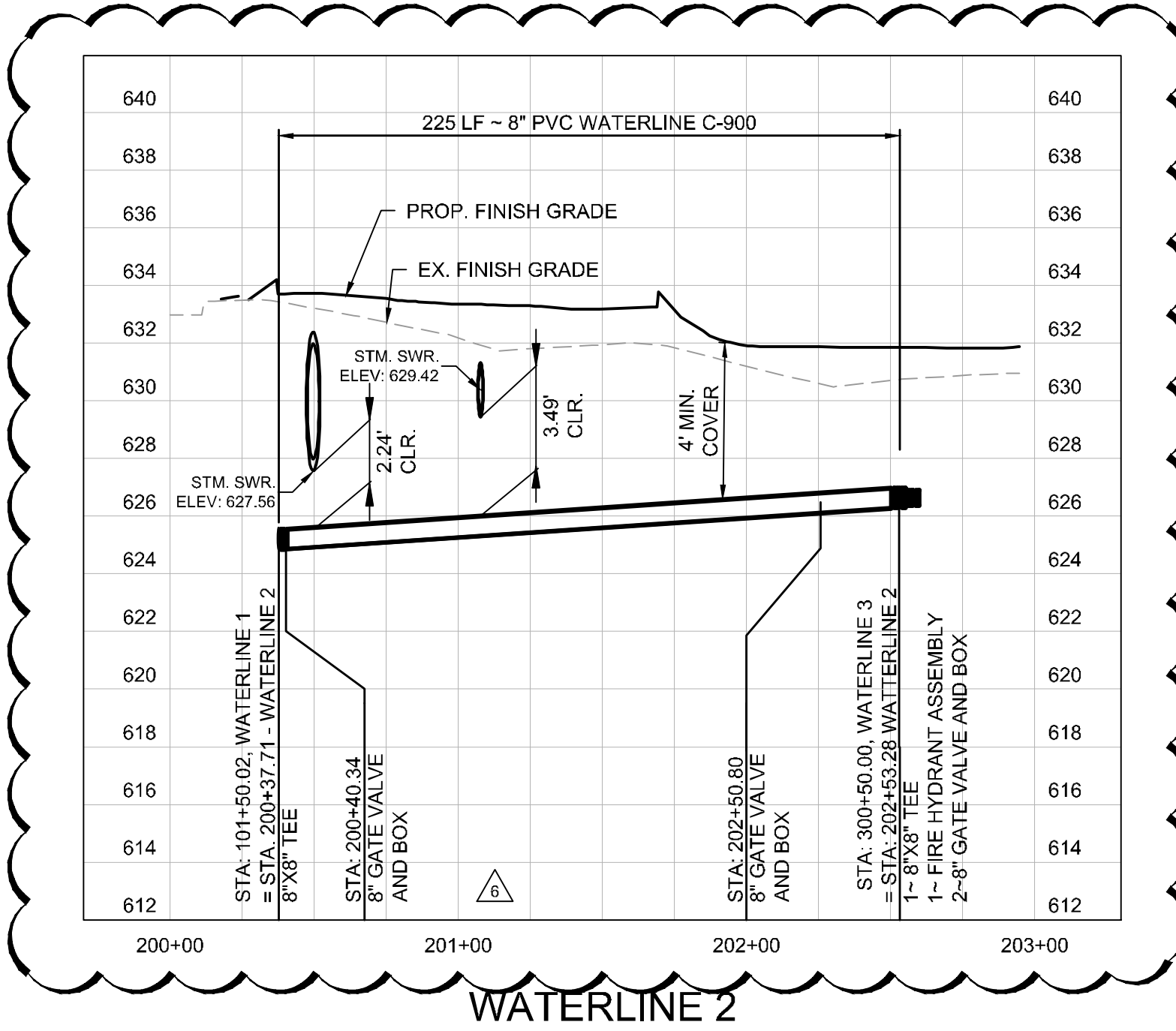
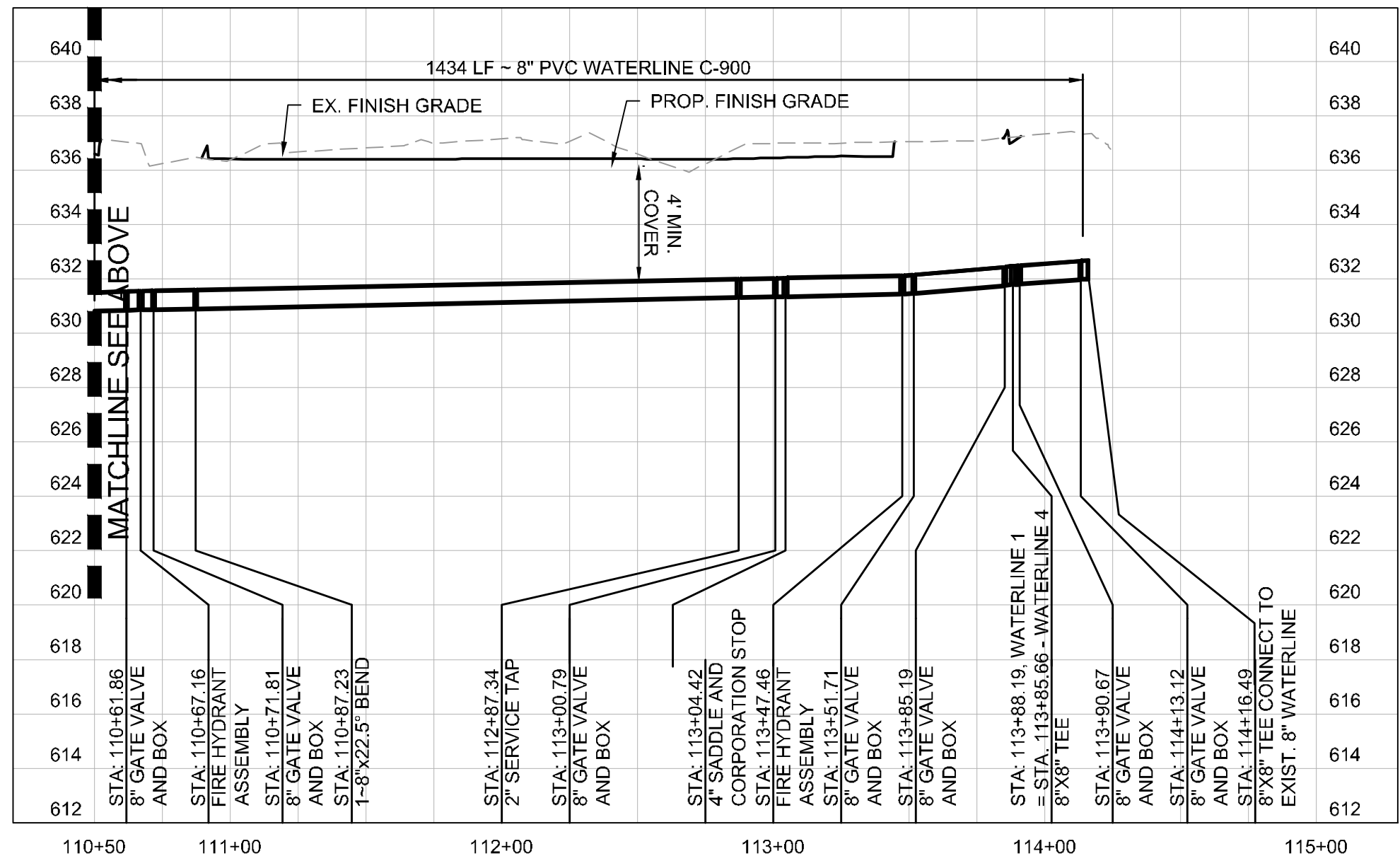
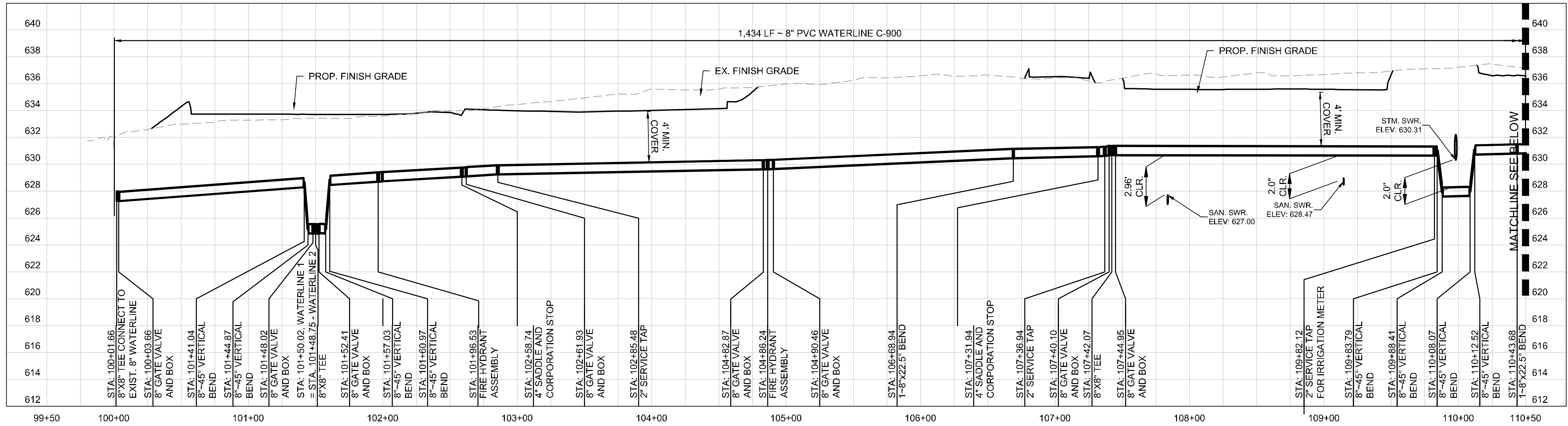
WATERLINE BLOW UP PLAN

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

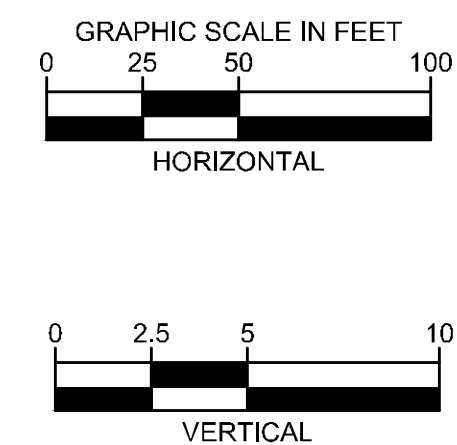
DALLAS, TEXAS
 ADDISON

SHEET NUMBER
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- 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.



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

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

DALLAS, TEXAS

ADDISON

SHEET NUMBER
C14.04

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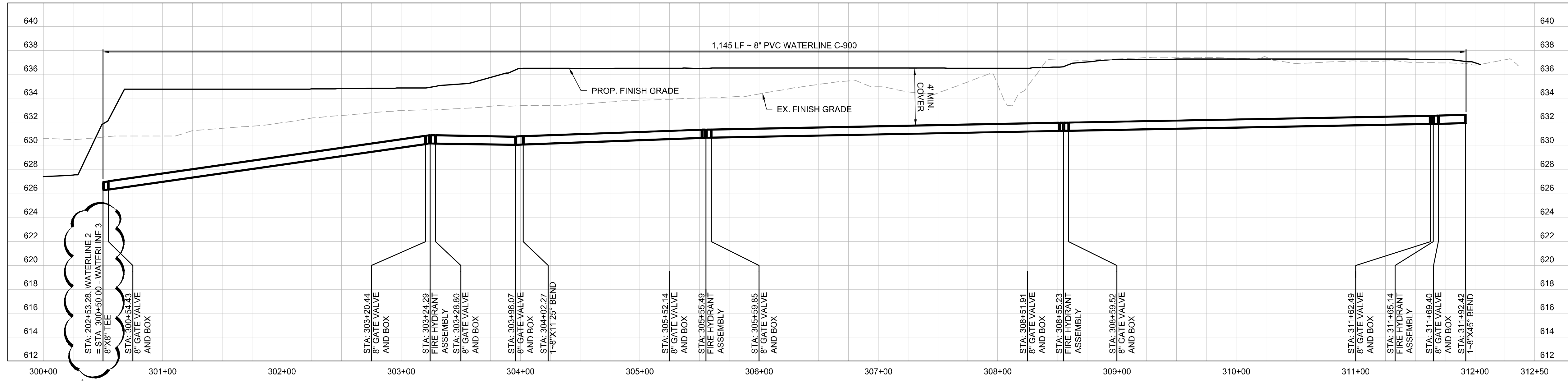
STATE OF TEXAS
 JOSEPH J. MALO
 80953
 PROFESSIONAL ENGINEER

12/11/2019

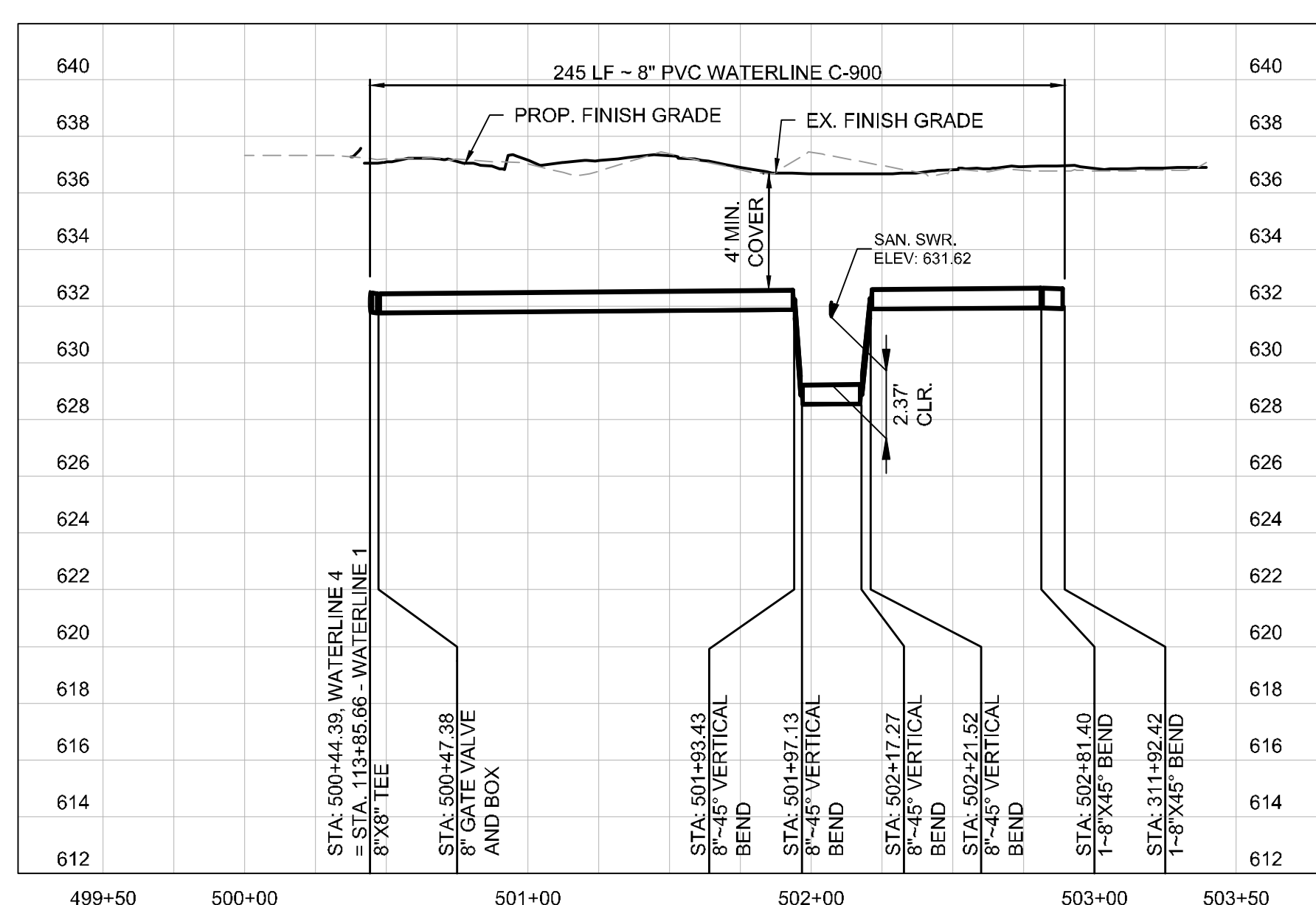
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1	5	6

No.	REVISIONS	DATE	BY

Plotted By: Lanier, Morgan Street Set: kha Layout: C14.05 December 12, 2019 05:58:56pm K:\VDL\Aviation\067792503 - Addison Galaxy FBO\ACAD\dwg\Sheets\C14.00 WATERLINE PROFILE.dwg — Addison Galaxy FBO\ACAD\dwg\Sheets\C14.00 WATERLINE PROFILE.dwg
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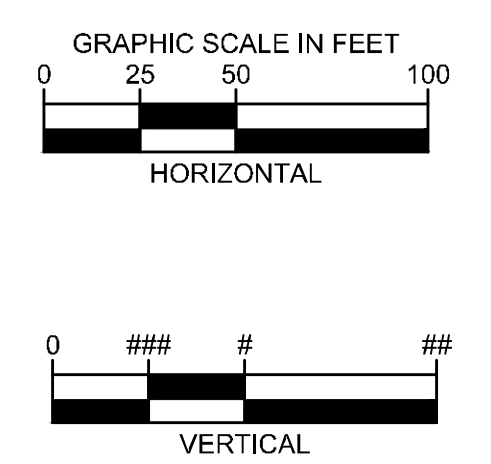
WATERLINE 3



WATERLINE 4

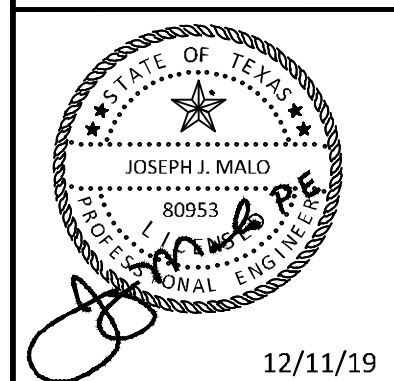
NOTES:

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 REQUIREMENTS.
2. CONCRETE ENCASE ALL UTILITY CROSSING AT ALL TIMES TO PROTECT AGAINST WEIGHT AND FUTURE SETTLING.



ADDENDUM #1	ADDENDUM #5	ADDENDUM #6
1	5	6

Kimley»Horn
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 1400 WOODLICK FOREST DRIVE, SUITE 225
 DALLAS, TEXAS 75243
 PHONE: 281-475-2816
 TBP# FIRM REGISTRATION F-928
 WWW.KIMLEY-HORN.COM

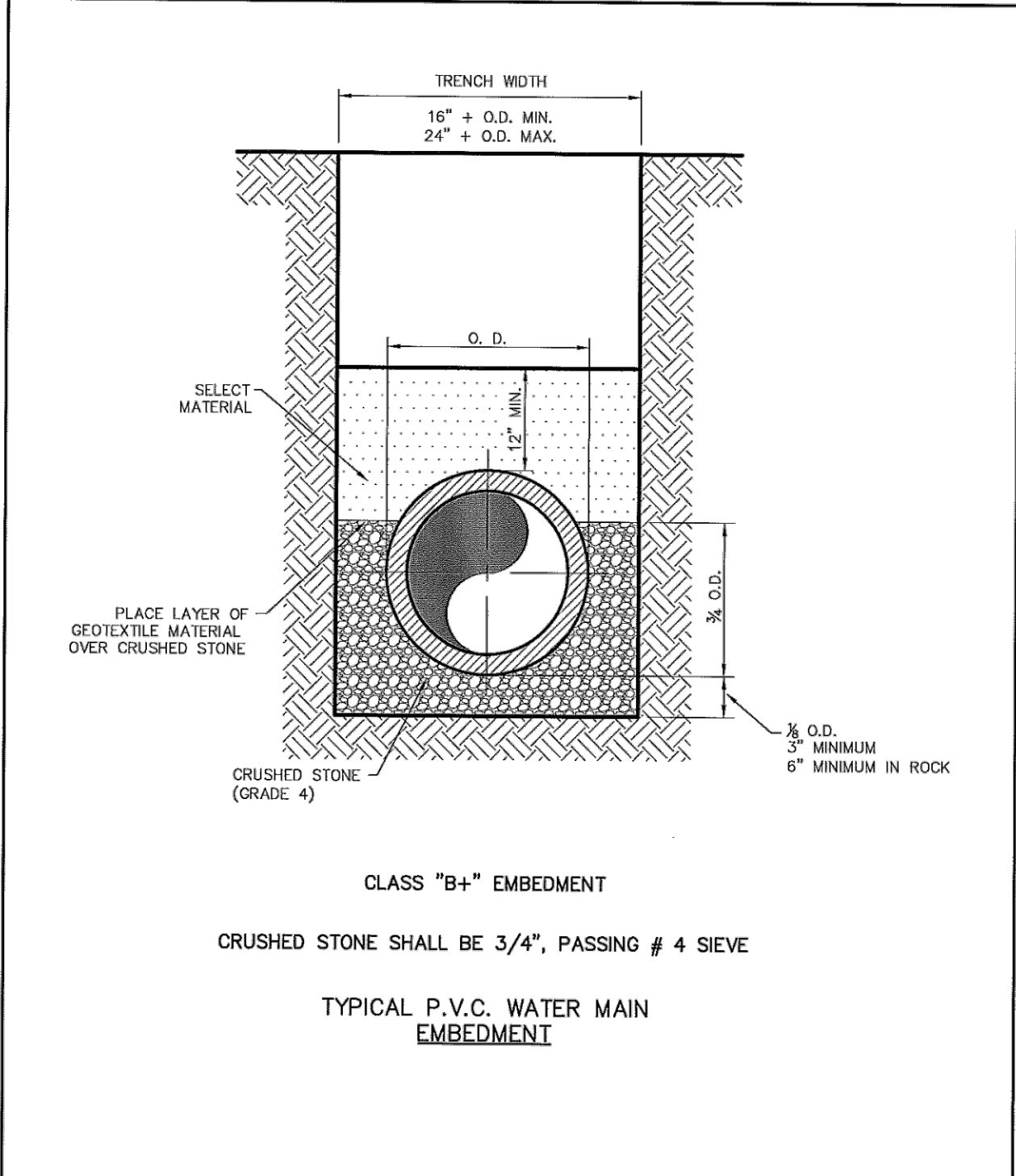


KHA PROJECT	067792503
DATE	12/11/2019
SCALE	AS SHOWN
DESIGNED BY	HCV
DRAWN BY	EC EAC
CHECKED BY	HCV

WATERLINE PROFILES

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

SHEET NUMBER
C14.05



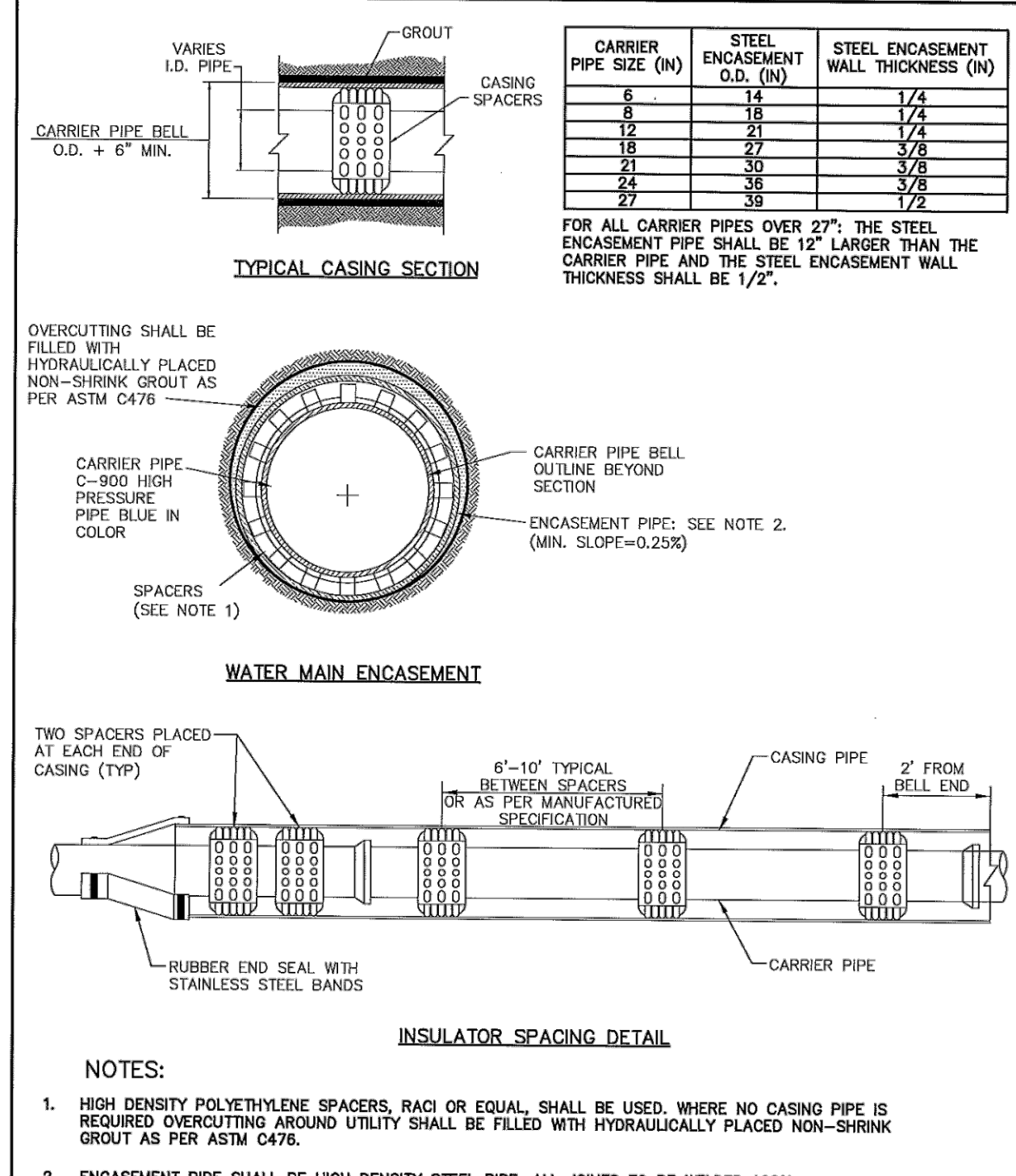
Addison!

PUBLIC WORKS DEPARTMENT

P.V.C. WATER MAIN EMBEDMENT

STANDARD CONSTRUCTION DETAILS WATER

DATE: AUGUST, 2010 REV. DATE: SHEET: 50-101



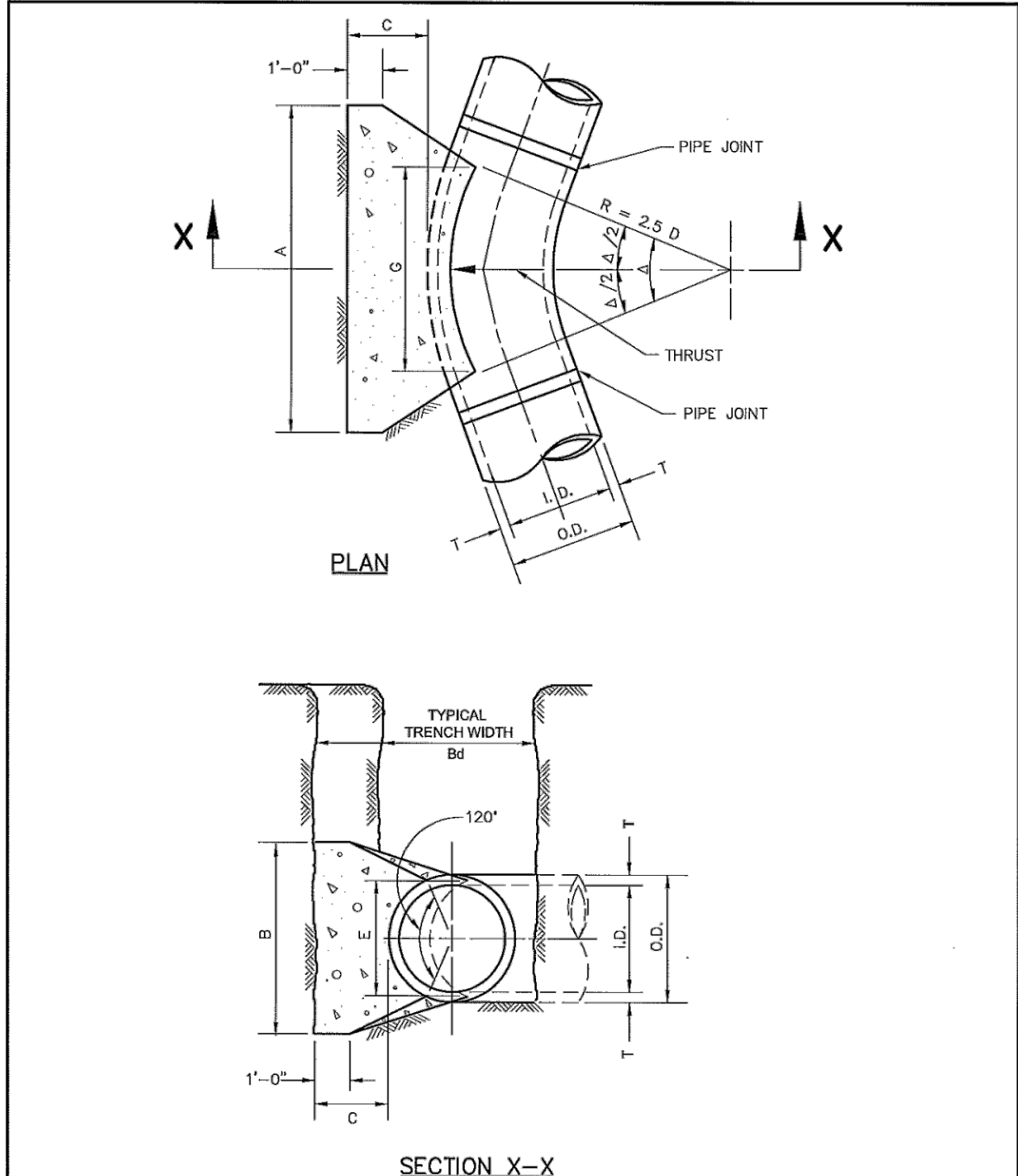
Addison!

PUBLIC WORKS DEPARTMENT

CASING

STANDARD CONSTRUCTION DETAILS WATER

DATE: AUGUST, 2010 REV. DATE: SHEET: 50-102



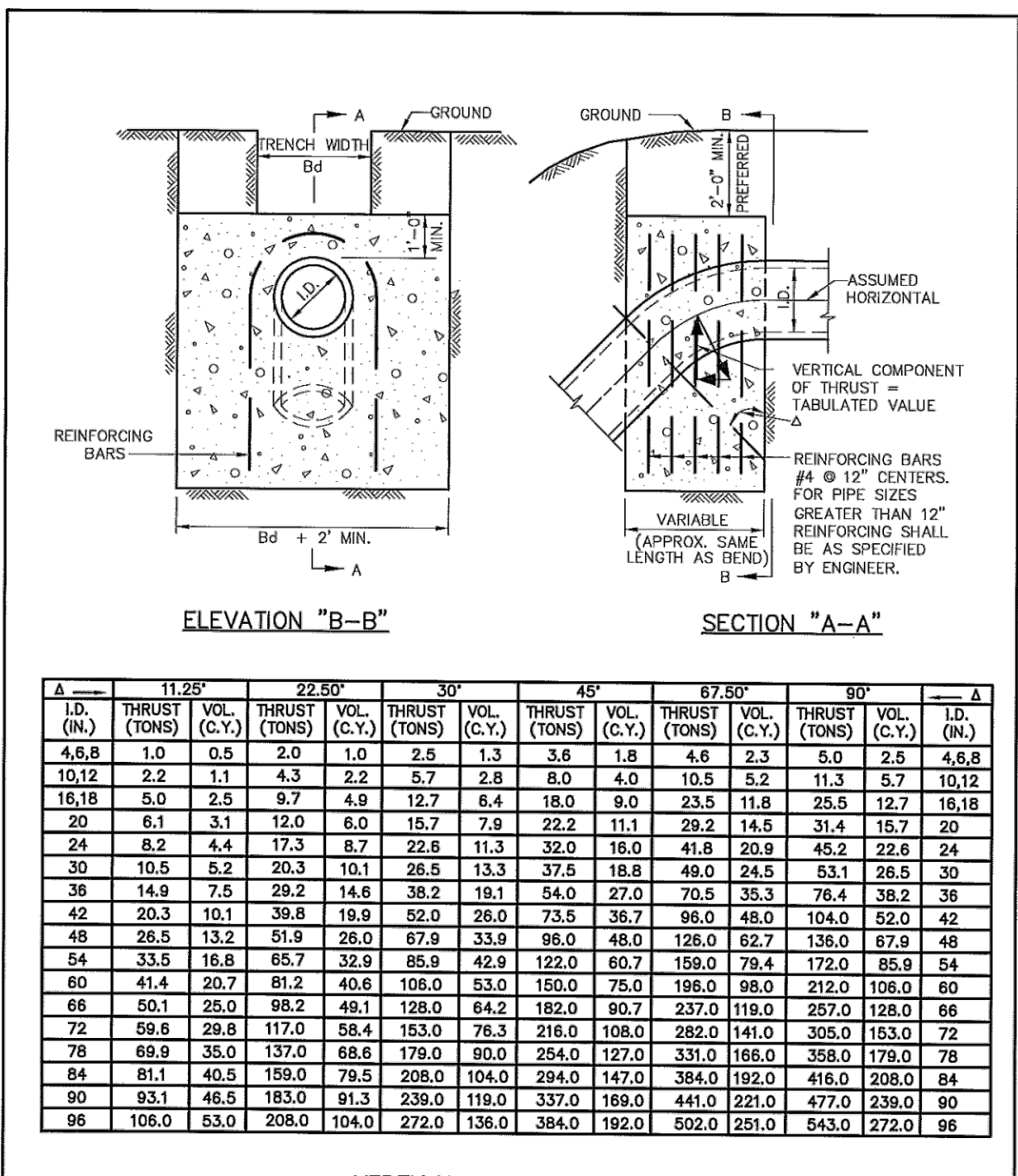
Addison!

PUBLIC WORKS DEPARTMENT

HORIZONTAL THRUST BLOCK AT PIPE BEND

STANDARD CONSTRUCTION DETAILS WATER

DATE: AUGUST, 2010 REV. DATE: SHEET: 50-103



Addison!

PUBLIC WORKS DEPARTMENT

VERTICAL THRUST BLOCK AT PIPE BEND

STANDARD CONSTRUCTION DETAILS WATER

DATE: AUGUST, 2010 REV. DATE: SHEET: 50-104

I.D. (IN.)	T (IN.)	Δ = 11.25°		Δ = 22.50°		E (FT.)
		Δ (FT.)	Δ (IN.)	Δ (FT.)	Δ (IN.)	
4.6,8	0.4	1.5	1.5	1.5	0.9	
10,12	0.5	1.5	1.5	1.5	1.2	
16,18	0.6	1.5	1.5	1.5	1.6	
20	0.7	1.5	1.5	1.5	1.8	
24	0.9	1.5	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	6.9	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	5.8	7.7		
96	9.0	4.0	6.0	8.2		

I.D. (IN.)	G (FT.)	EARTH				ROCK											
		A (FT.)	B (FT.)	Δ (C.Y.)	Δ (FT.)	A (FT.)	B (FT.)	Δ (C.Y.)	Δ (FT.)								
4.6,8	0.4	1.0	1.0	1.5	0.1	1.0	1.0	1.5	0.1								
10,12	0.6	2.2	1.5	1.5	0.1	1.5	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	9.0	3.0	3.6	0.7	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	3.6	0.7	2.0	3.0	0.4
24	1.1	8.9	3.0	5.0	0.5	1.5	4.0	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	6.5	0.6	2.0	5.0	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	8.0	0.7	2.5	6.0	0.5	36	3.3	28.8	5.5	5.5	2.3	4.0	4.0	1.3
42	1.9	20.4	4.5	10.0	0.8	3.0	7.0	0.6	42	3.8	40.5	7.0	6.0	3.9	4.5	5.0	2.1
48	2.2	26.6	5.5	12.0	0.9	3.5	8.0	0.7	48	4.4	52.9	8.0	7.0	5.7	4.5	6.0	2.8
54	2.5	33.7	6.0	15.0	1.0	4.0	9.0	0.8	54	4.9	67.0	9.0	8.0	8.0	6.0	6.0	4.1
60	2.7	41.6	6.0	18.0	1.1	4.5	10.0	0.9	60	5.5	82.7	9.5	9.0	10.0	6.0	7.0	5.3
66	3.0	50.3	6.5	21.0	1.2	5.0	11.0	1.0	66	6.0	100.1	10.5	10.0	11.0	6.5	8.0	7.2
72	3.3	59.9	7.5	24.0	1.3	5.5	12.0	1.1	72	6.8	119.1	11.0	11.0	11.0	7.5	8.0	8.1
78	3.6	70.2	8.0	27.0	1.4	6.0	13.0	1.2	78	7.1	139.9	12.0	12.0	12.0	8.0	9.0	11.7
84	3.8	81.5	8.5	30.0	1.5	6.5	14.0	1.3	84	7.6	161.1	13.0	12.5	12.5	8.5	10.0	14.8
90	4.1	93.5	9.5	33.0	1.6	7.0	15.0	1.4	90	8.2	184.1	14.0	13.5	13.5	9.5	10.0	17.7
96	4.4	106.4	10.0	36.0	1.7	7.5	16.0	1.5	96	8.7	211.7	15.0	14.5	14.5	10.0	11.0	21.8

Addison!

PUBLIC WORKS DEPARTMENT

HORIZONTAL THRUST BLOCK DIMENSIONS & QUANTITIES

STANDARD CONSTRUCTION DETAILS WATER

DATE: AUGUST, 2010 REV. DATE: SHEET: 50-105

I.D. (IN.)	G (FT.)	EARTH				ROCK										
		A (FT.)	B (FT.)	Δ (C.Y.)	Δ (FT.)	A (FT.)	B (FT.)	Δ (C.Y.)	Δ (FT.)							
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	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	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	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	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	1.0
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	1.4
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	1.5
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	2.6
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
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	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
66	8.0	132.9	12.5	11.0	18.9	8.5	8.0	8.6	66	11.8	196.5	18.0	11.0	30.1	12.0	8.5
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	9.5
78	9.4	185.6	14.5	13.0	30.0	10.0	9.5	16.8	78	13.9	274.5	21.5	13.0	49.8	14.5	9.5
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
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
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

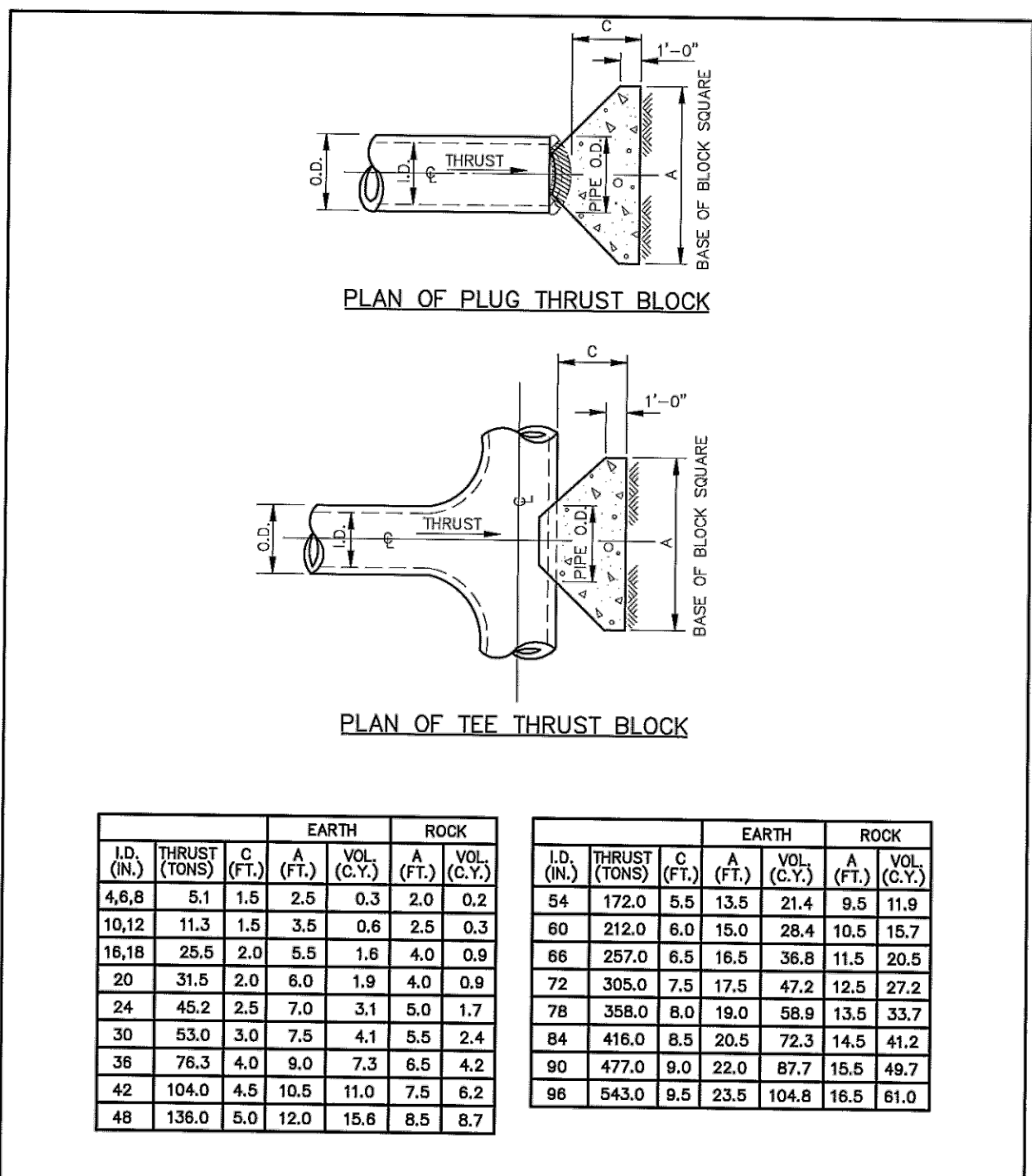
Addison!

PUBLIC WORKS DEPARTMENT

HORIZONTAL THRUST BLOCK DIMENSIONS & QUANTITIES

STANDARD CONSTRUCTION DETAILS WATER

DATE: AUGUST, 2010 REV. DATE: SHEET: 50-106



Addison!

PUBLIC WORKS DEPARTMENT

HORIZONTAL THRUST BLOCK AT TEES & PLUGS

STANDARD CONSTRUCTION DETAILS WATER

DATE: AUGUST, 2010 REV. DATE: SHEET: 50-107

I.D. (IN.)	G (FT.)	EARTH				ROCK											
		A (FT.)	B (FT.)	Δ (C.Y.)	Δ (FT.)	A (FT.)	B (FT.)	Δ (C.Y.)	Δ (FT.)								
4.6,8	0.4	1.0	1.0	1.5	0.1	1.0	1.0	1.5	0.1								
10,12	0.6	2.2	1.5	1.5	0.1	1.5	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	9.0	3.0	3.6	0.7	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	3.6	0.7	2.0	3.0	0.4
24	1.1	8.9	3.0	5.0	0.5	1.5	4.0	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	6.5	0.6	2.0	5.0	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	8.0	0.7	2.5	6.0	0.5	36	3.3	28.8	5.5	5.5	2.3	4.0	4.0	1.3
42	1.9	20.4	4.5	10.0	0.8	3.0	7.0	0.6	42	3.8	40.5	7.0	6.0	3.9	4.5	5.0	2.1
48	2.2	26.6	5.5	12.0	0.9	3.5	8.0	0.7	48	4.4	52.9	8.0	7.0	5.7	4.5	6.0	2.8
54	2.5	33.7	6.0	15.0	1.0	4.0	9.0	0.8	54	4.9	67.0	9.0	8.0	8.0	6.0	6.0	4.1
60	2.7	41.6	6.0	18.0	1.1	4.5	10.0	0.9	60	5.5	82.7	9.5	9.0	10.0	6.0	7.0	5.3
66	3.0	50.3	6.5	21.0	1.2	5.0	11.0	1.0	66	6.0	100.1	10.5	10.0	11.0	6.5	8.0	7.2
72	3.3	59.9	7.5	24.0	1.3	5.5	12.0	1.1	72	6.8	119.1	11.0	11.0	11.0	7.5	8.0	8.1
78	3.6	70.2	8.0	27.0	1.4	6.0	13.0	1.2	78	7.1	139.9	12.0	12.0	12.0	8.0	9.0	11.7
84	3.8	81.5	8.5	30.0	1.5	6.5	14.0	1.3	84	7.6	161.1	13.0	12.5	12.5	8.5	10.0	14.8
90	4.1	93.5	9.5	33.0	1.6	7.0	15.0	1.4	90	8.2	184.1	14.0	13.5	13.5	9.5	10.0	17.7
96	4.4	106.4	10.0	36.0	1.7	7.5	16.0	1.5	96	8.7	211.7	15.0	14.5	14.5	10.0	11.0	21.8

Addison!

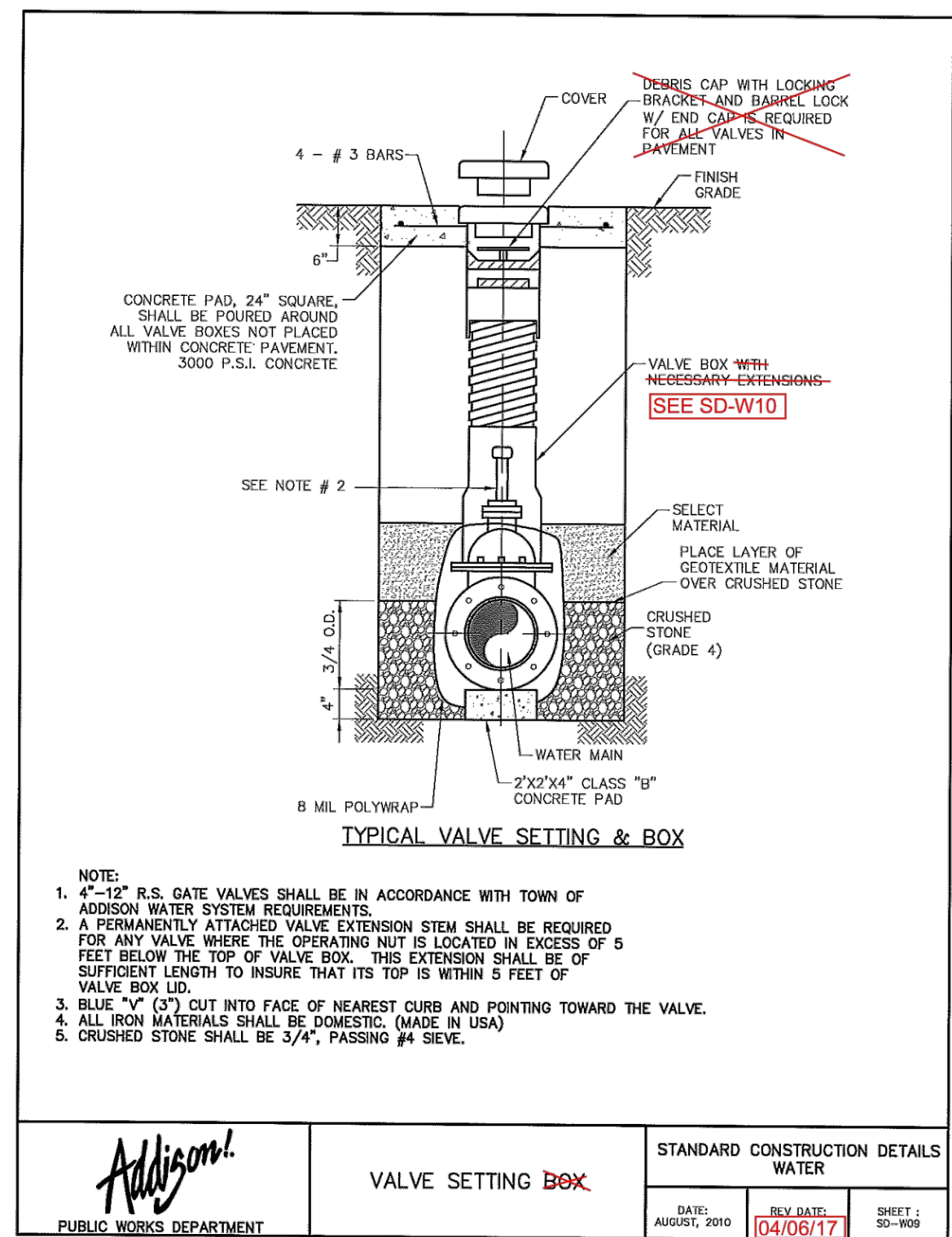
PUBLIC WORKS DEPARTMENT

HORIZONTAL THRUST BLOCK AT TEES & PLUGS

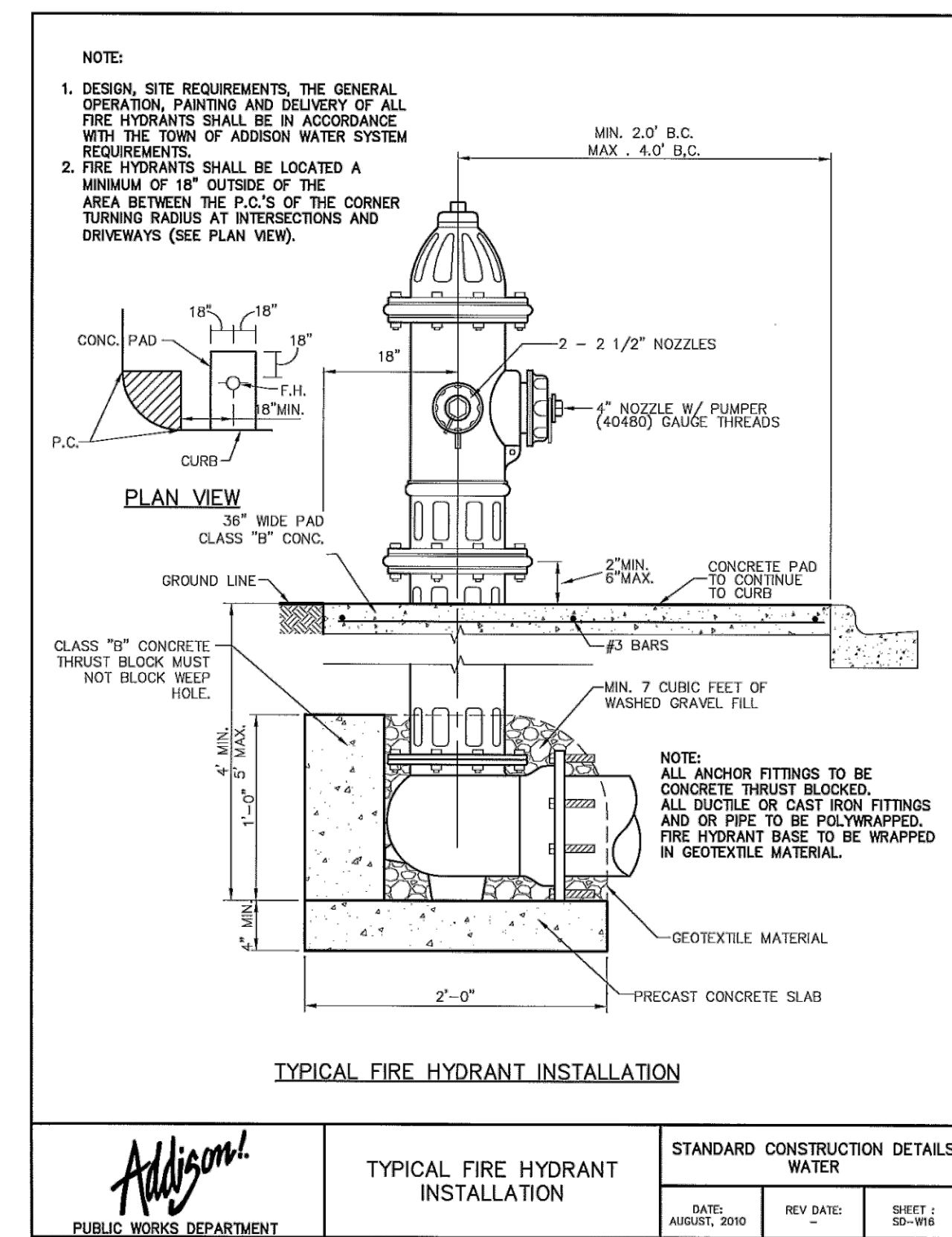
STANDARD CONSTRUCTION DETAILS WATER

DATE: AUGUST, 2010 REV. DATE: SHEET: 50-108

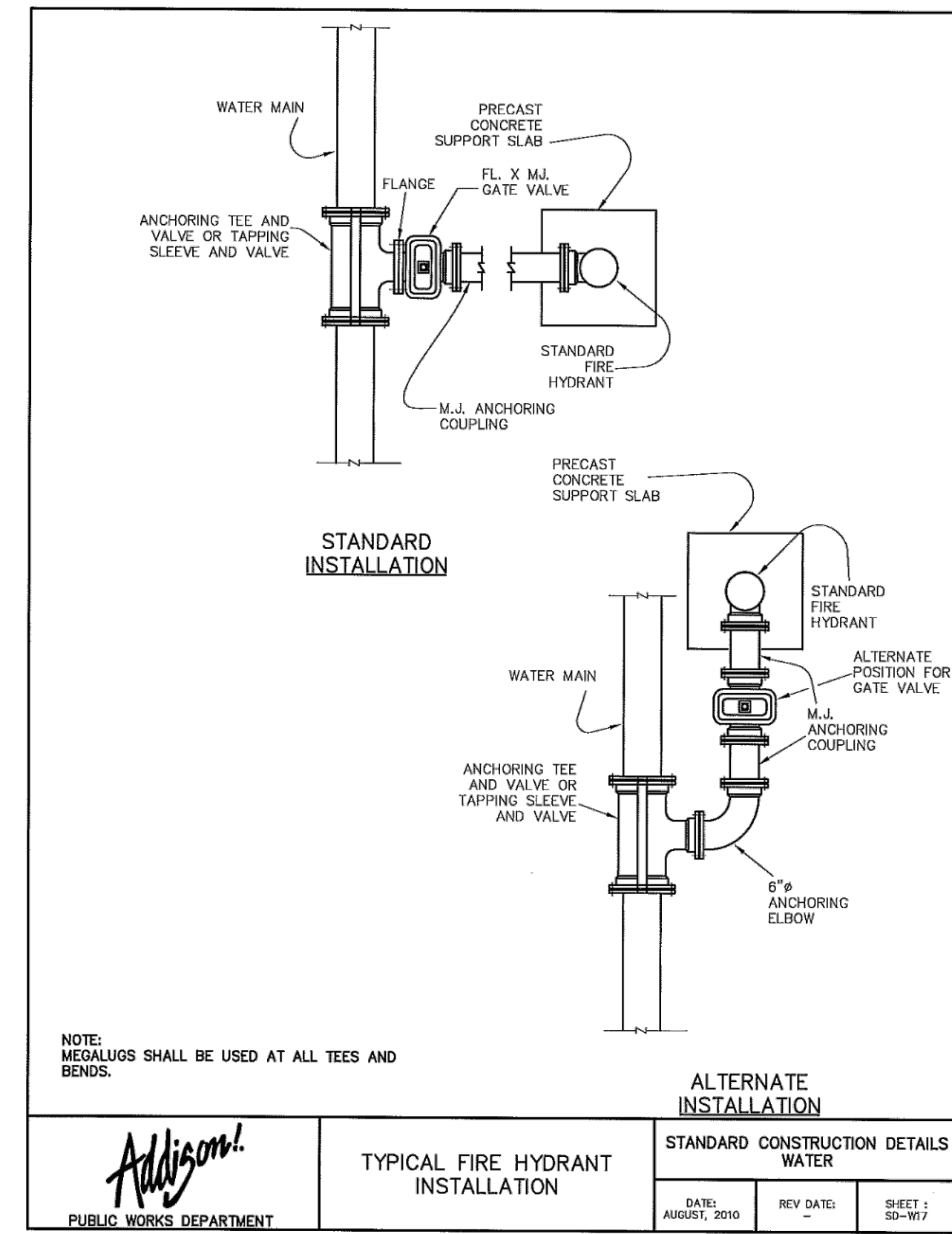
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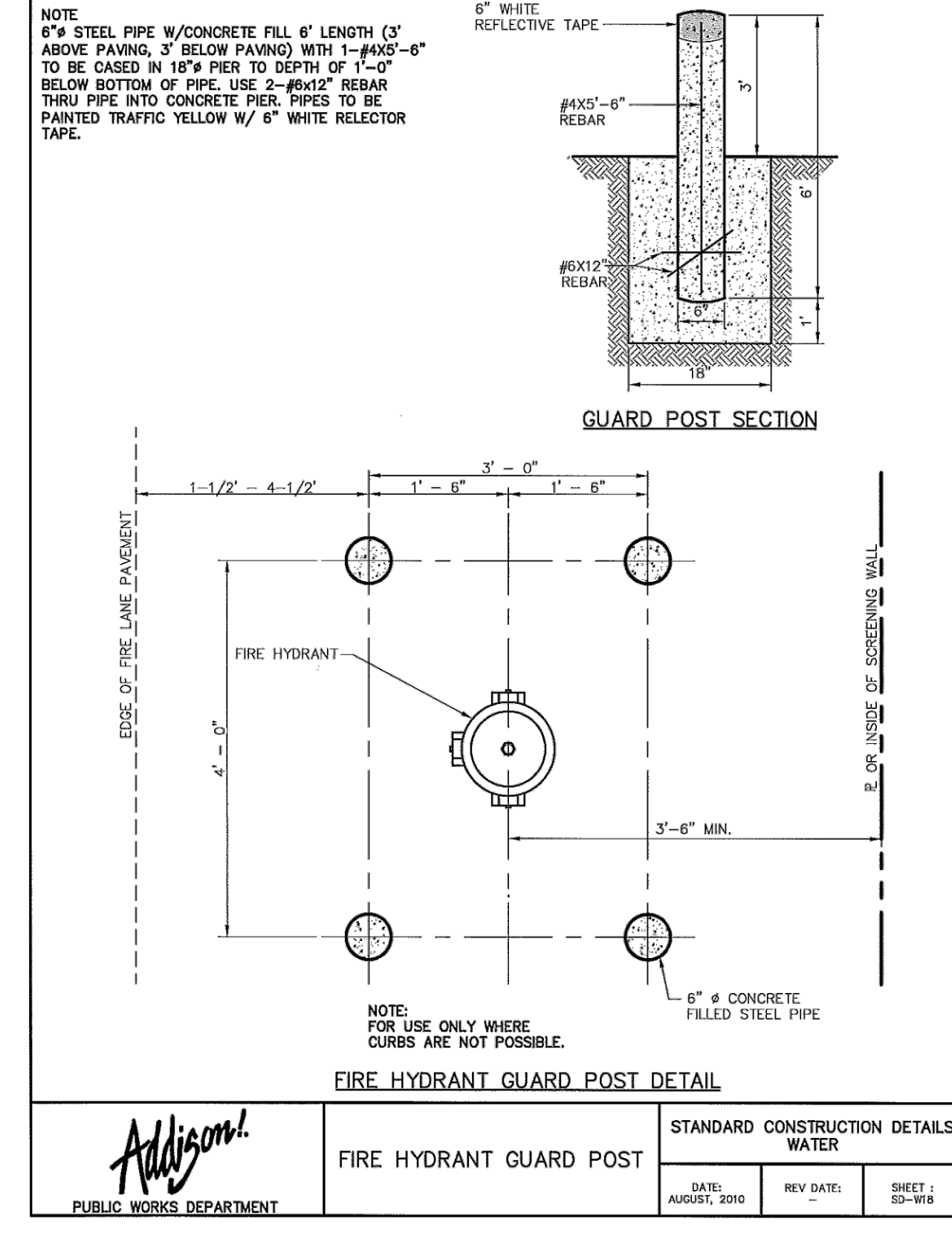
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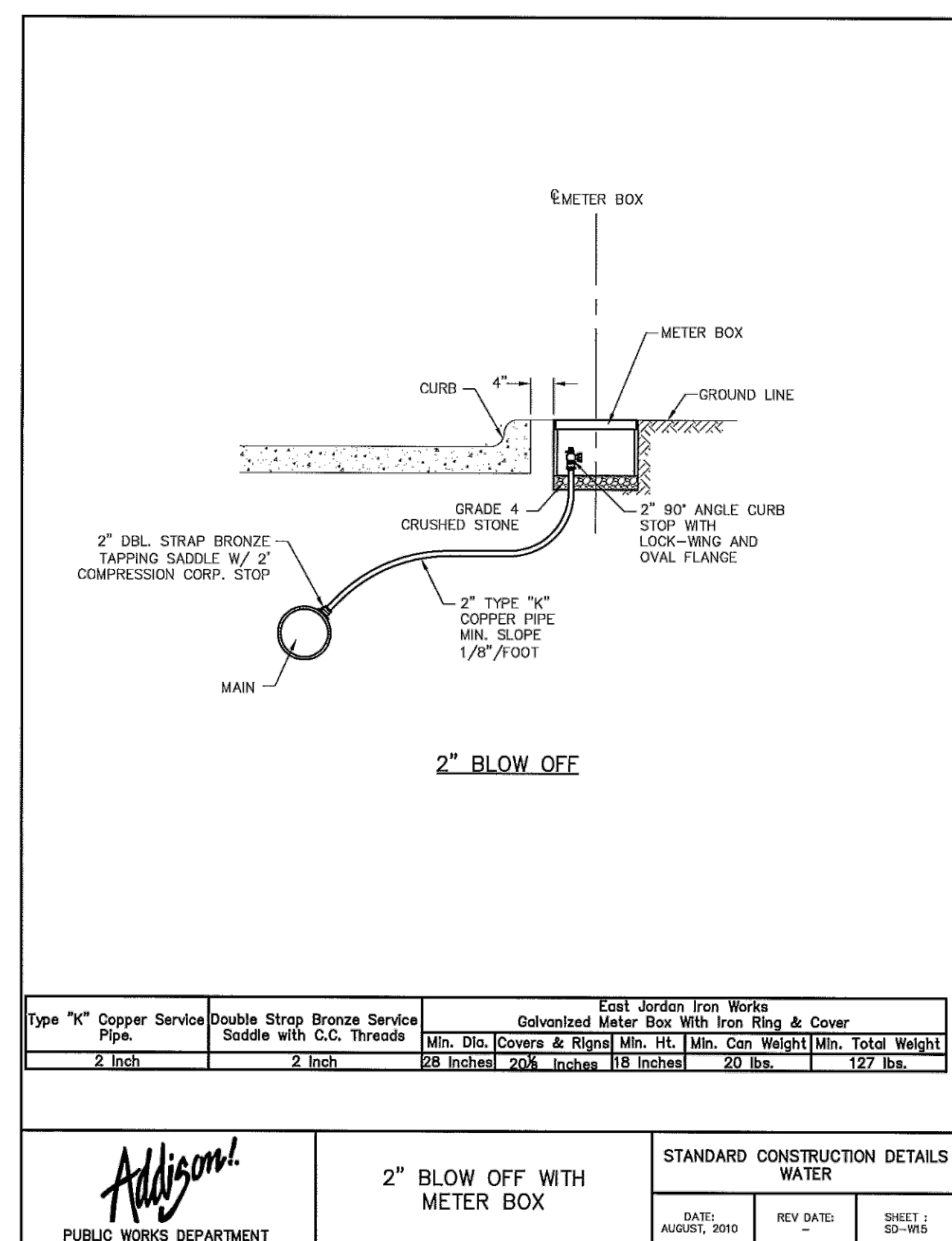
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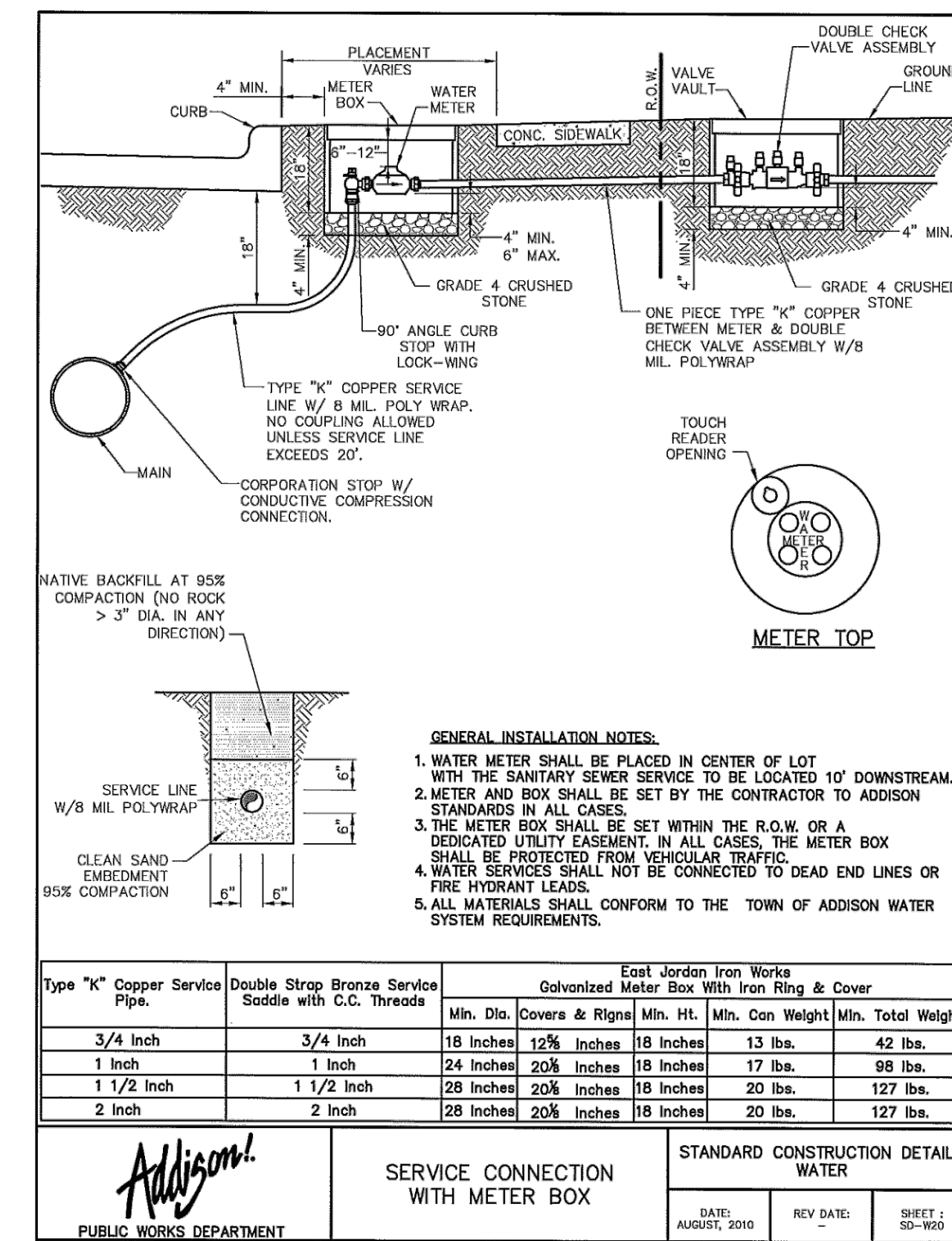
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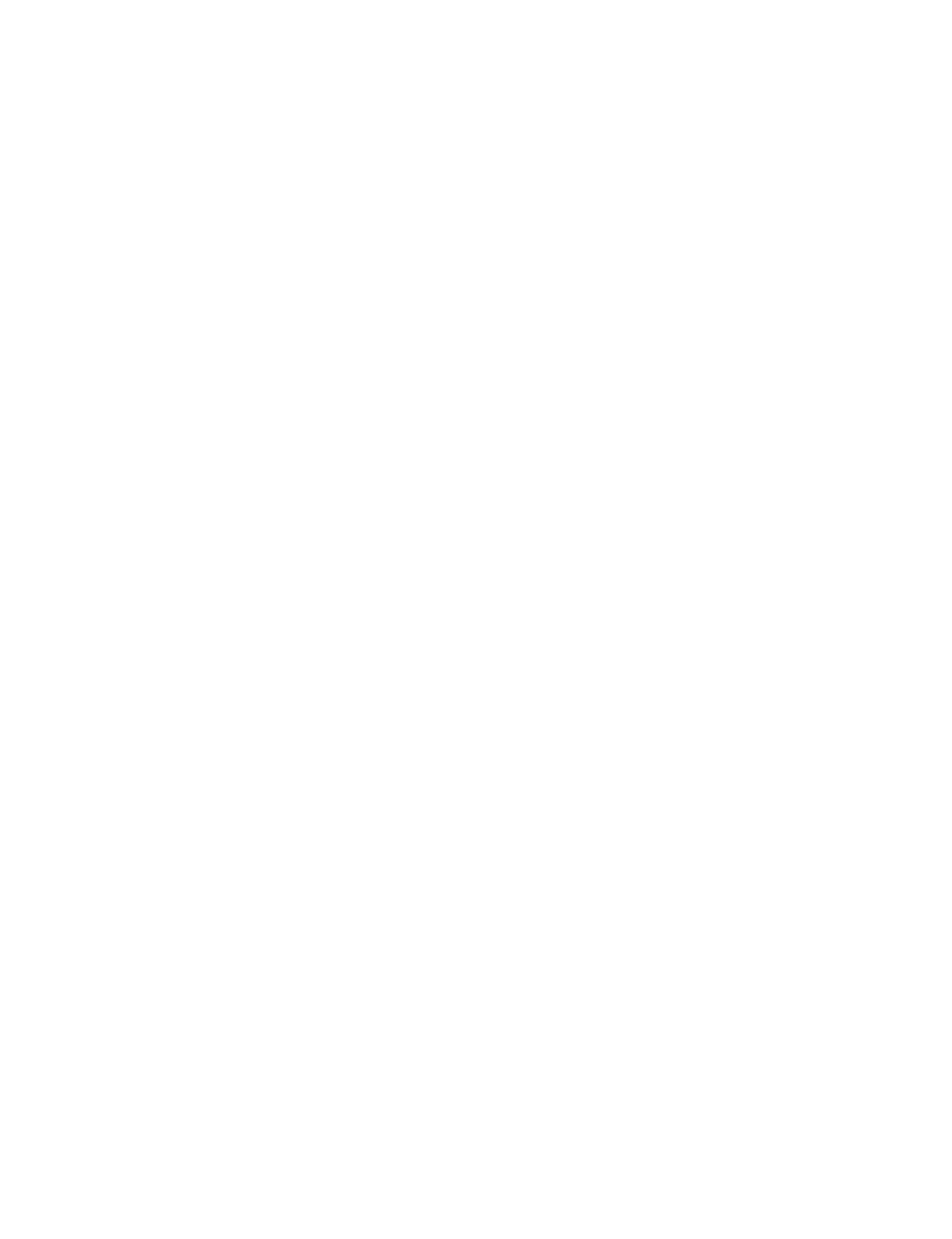
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5



6



7



8

ADDENDUM #1	ADDENDUM #2	ADDENDUM #3	ADDENDUM #4	ADDENDUM #5	ADDENDUM #6	ADDENDUM #7	ADDENDUM #8	ADDENDUM #9	ADDENDUM #10
09/10/2019	10/24/2019	12/11/2019							

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 WWW.KIMLEY-HORN.COM

STATE OF TEXAS
 JOSEPH J. MULLIGAN
 80953
 PROFESSIONAL ENGINEER

12/11/19

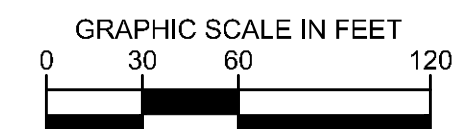
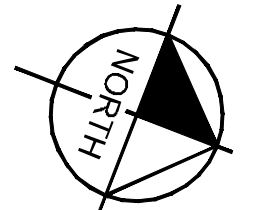
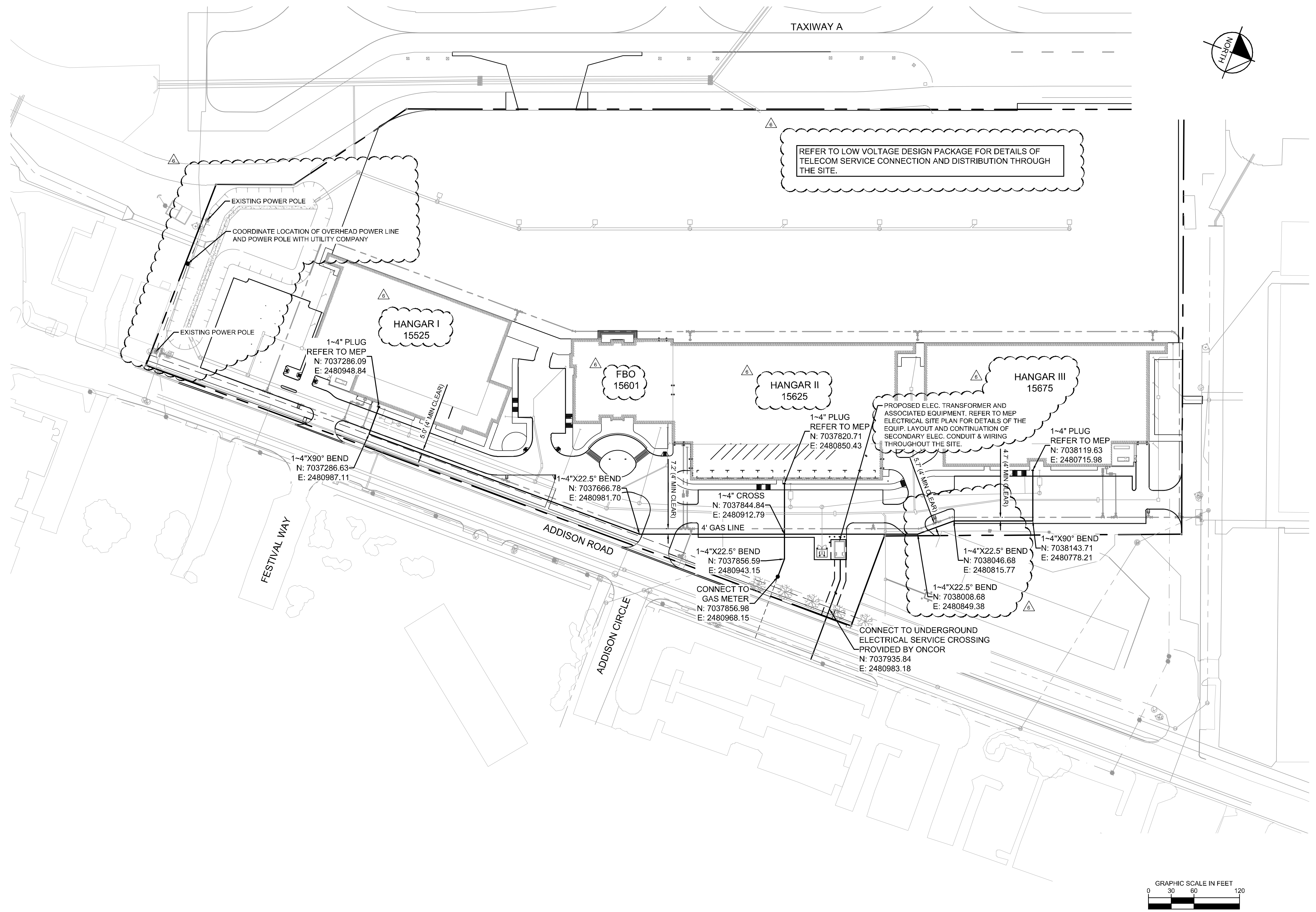
KHA PROJECT: 067792503
 DATE: 12/11/2019
 SCALE: AS SHOWN
 DESIGNED BY: HCV
 DRAWN BY: EC
 CHECKED BY: HCV

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

ADDISON DALLAS, TEXAS

SHEET NUMBER
C14.07

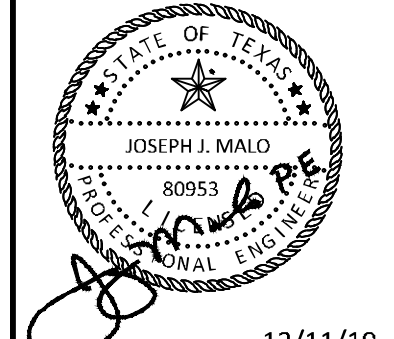
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ADDENDUM #1	DATE	BY
1	09/10/2019	JM
2	10/24/2019	JM
3	12/11/2019	JM
4		
5		
6		

Kimley»Horn

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 FORT WORTH, TEXAS 76104
 PHONE: 817-475-2816
 TBPE FIRM REGISTRATION F-928
 WWW.KIMLEY-HORN.COM



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

DRY UTILITY LAYOUT PLAN

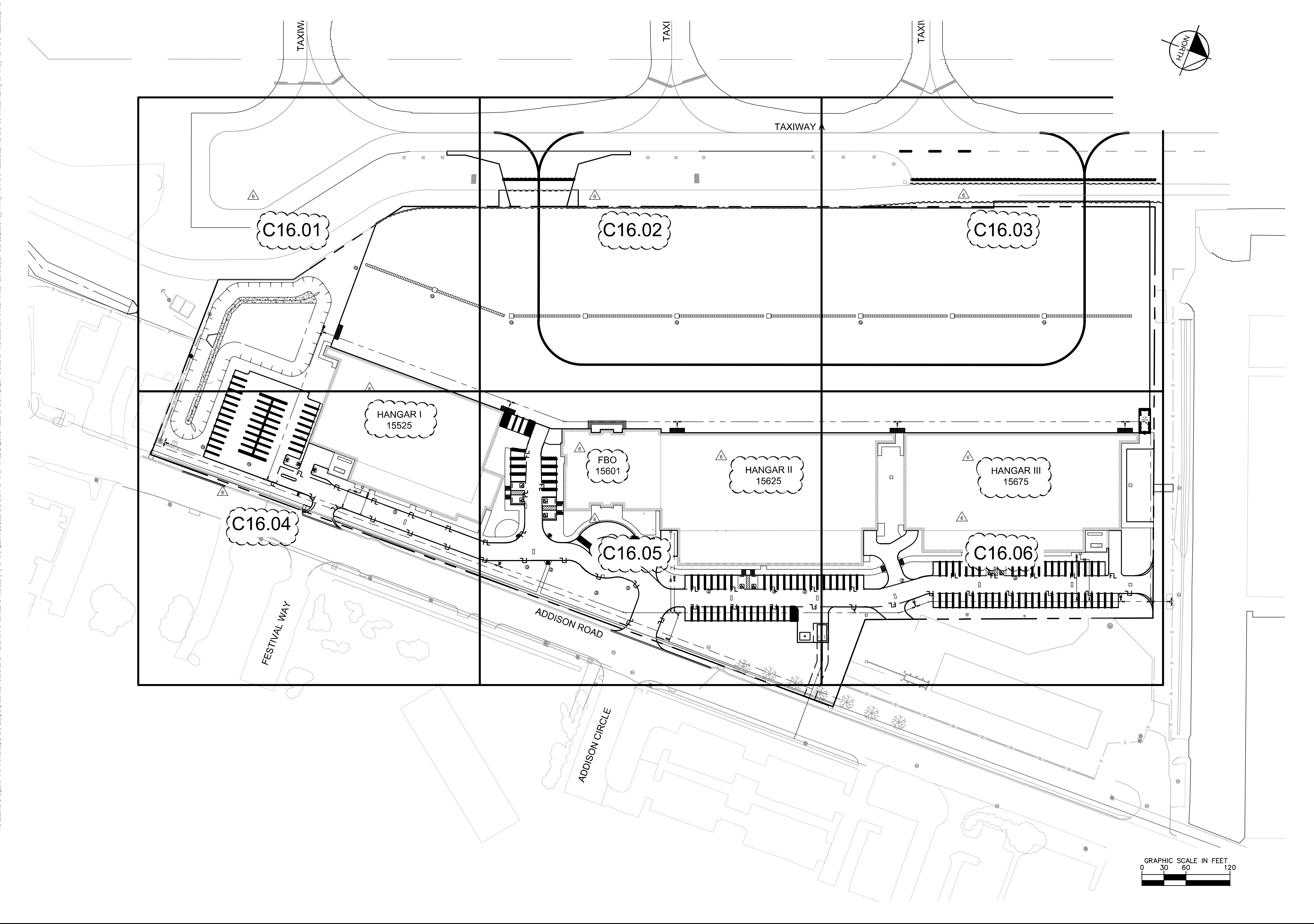
ADDISON GALAXY FBO
 15601 ADDISON RD.
 PREPARED FOR
BLACK FOREST VENTURE

DALLAS, TEXAS

ADDISON

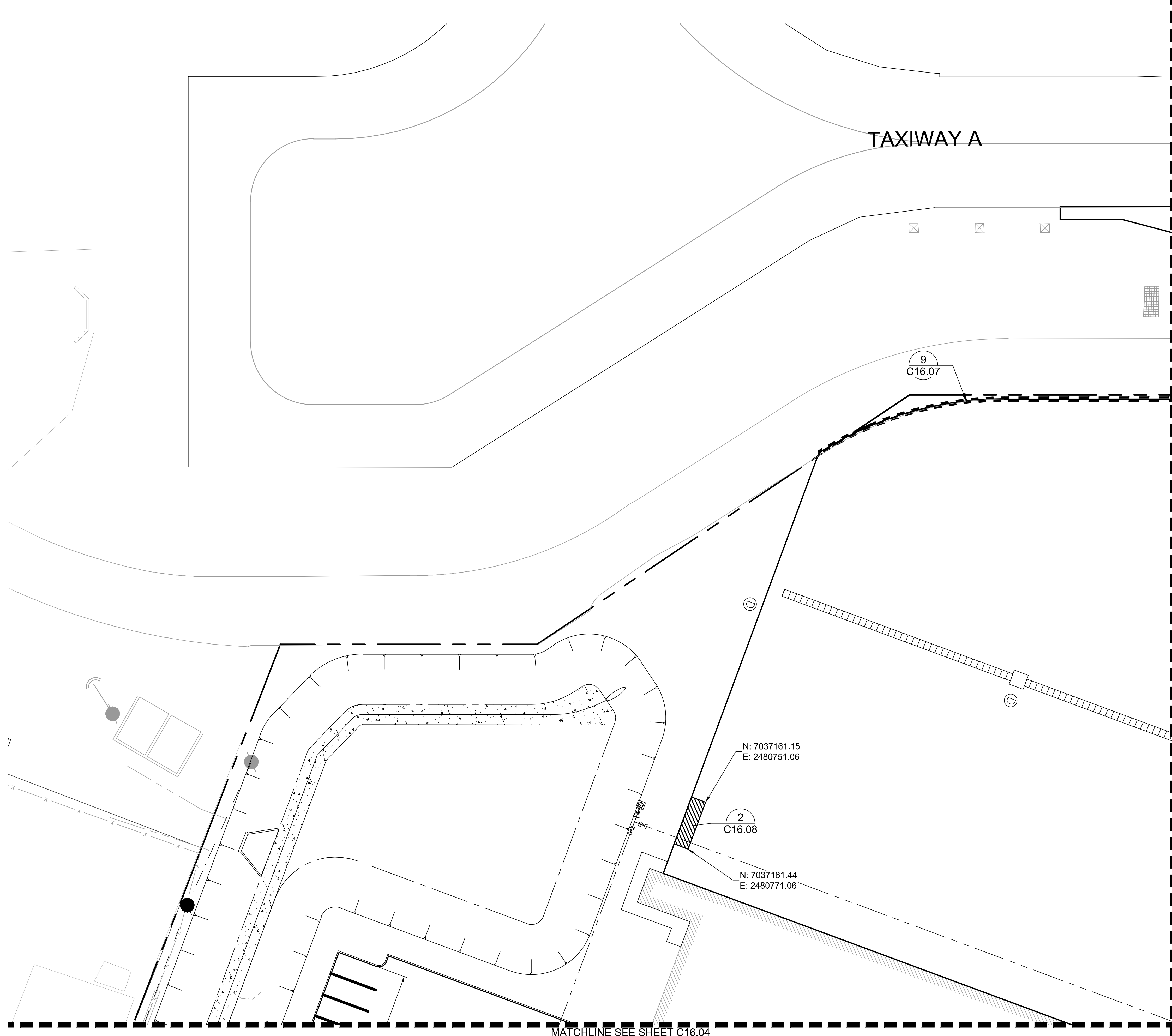
SHEET NUMBER
C15.00

Plotted By: Lamar, Morgan Street Set: Kha Layout: C16.00 December 12, 2019 06:00:00pm K:\VDL\Aviation\067792503 - Addison Galaxy FBO\ACAD\dwg\Sheets\C16.00 MARKING PLAN.dwg
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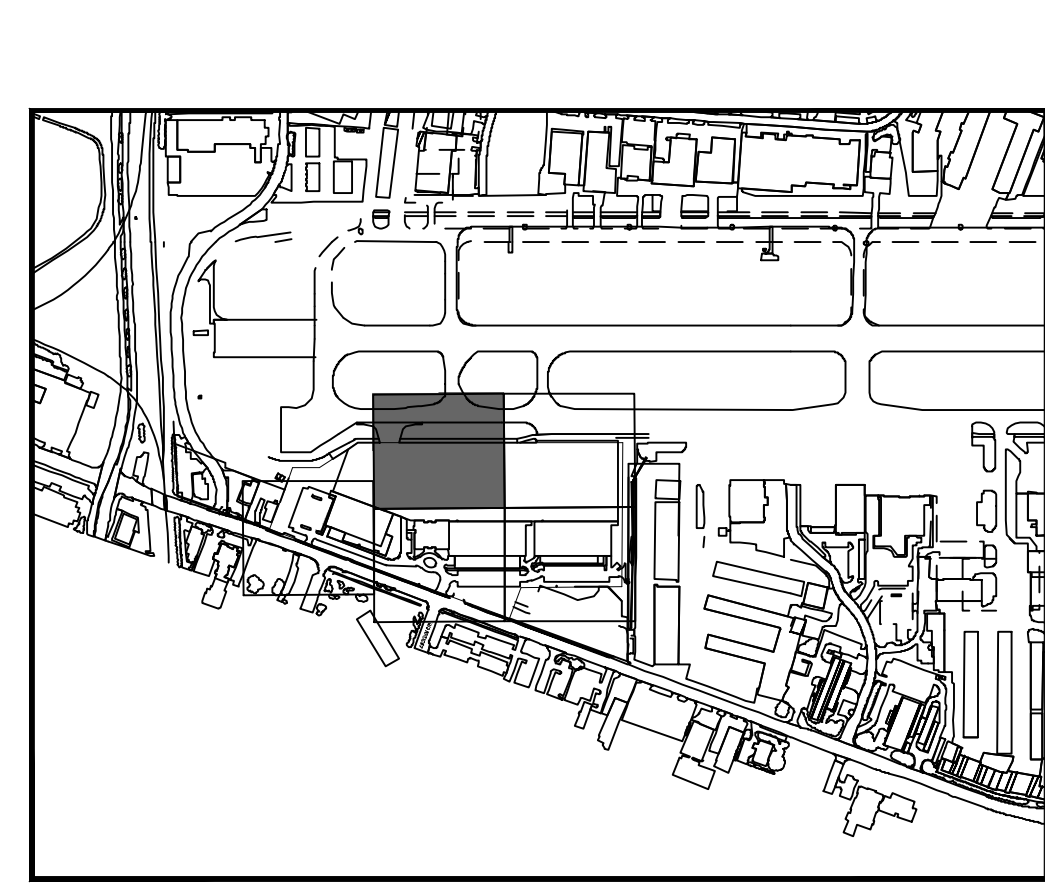
ADDISON GALAXY FBO 15601 ADDISON RD. PREPARED FOR BLACK FOREST VENTURE	DALLAS, TEXAS ADDISON	PAVEMENT MARKING PLAN KEY MAP	
		KHA PROJECT 067792503	DATE 12/11/2019
		SCALE AS SHOWN DESIGNED BY HCV DRAWN BY EC EAC CHECKED BY HCV	12/11/19
SHEET NUMBER C16.00		REVISIONS No. DATE BY	
© 2019 KIMLEY-HORN AND ASSOCIATES, INC. 1400 WOODLACK FOREST DRIVE, SUITE 225 DALLAS, TEXAS 75243 PHONE: 281-475-2816 TBPE FIRM REGISTRATION F-928 WWW.KIMLEY-HORN.COM			
		ADDENDUM #1 ADDENDUM #5 ADDENDUM #6	

Plotted By: Lamiar, Morgan Street Set: Kha Layout: C16.01 December 12, 2019 06:00:04pm K:\WDL\Addison\067792503 - Addison Galaxy FBO\ACAD\Draw Sheets\C16.00 MARKING PLAN.dwg
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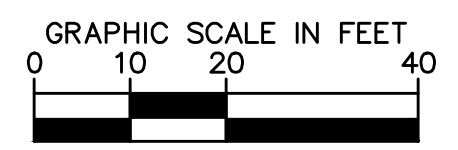
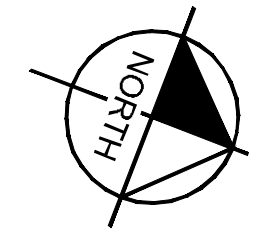


MATCHLINE SEE SHEET C16.04

MATCHLINE SEE SHEET C16.02

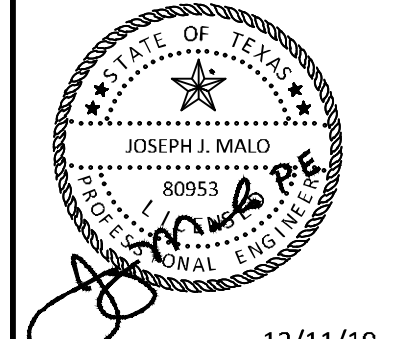


KEY PLAN



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

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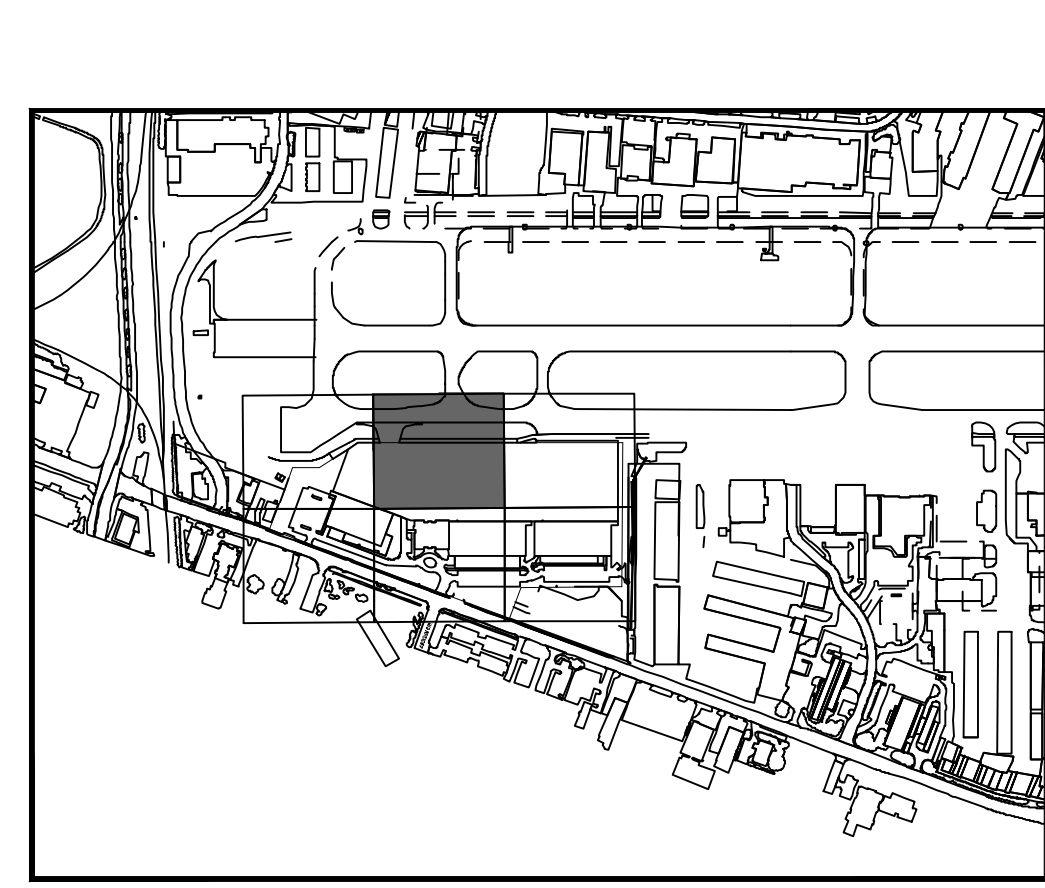
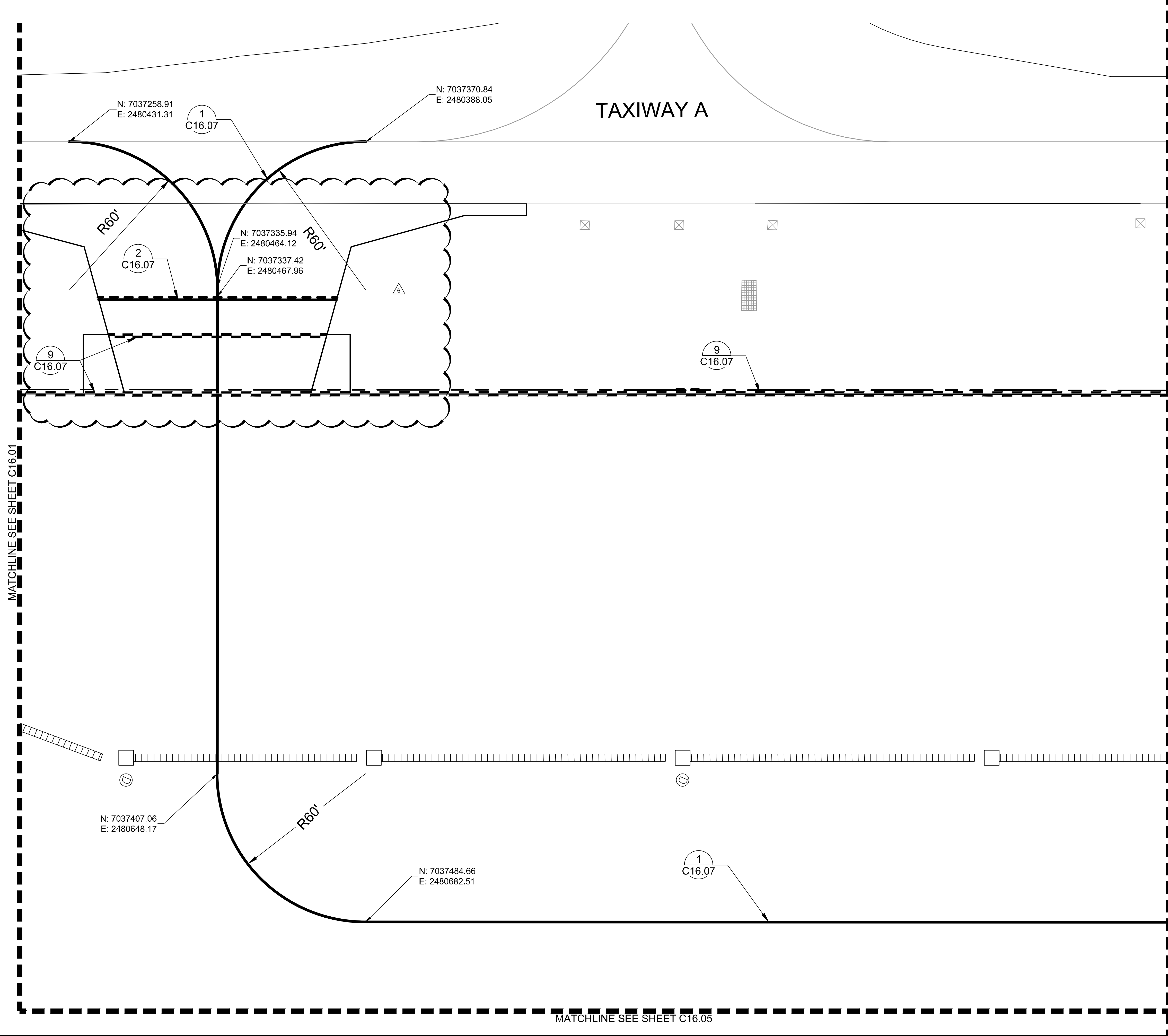
KHA PROJECT	067792503
DATE	12/11/2019
SCALE	AS SHOWN
DESIGNED BY	HCV
DRAWN BY	EC EAC
CHECKED BY	HCV

PAVEMENT MARKING PLAN

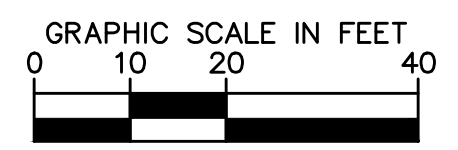
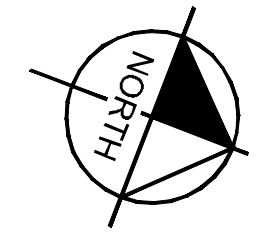
ADDISON GALAXY FBO
 15601 ADDISON RD.
 PREPARED FOR
BLACK FOREST VENTURE
 ADDISON DALLAS, TEXAS

SHEET NUMBER
C16.01

Plotted By: Lamar, Morgan Street: Setxkha Layout: C16.02 December 12, 2019 06:00:07pm K:\V\Drawings\Aviation\067792503 - Addison Galaxy FBO\ACAD\Drawings\Sheets\C16.00 MARKING PLAN.dwg
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KEY PLAN



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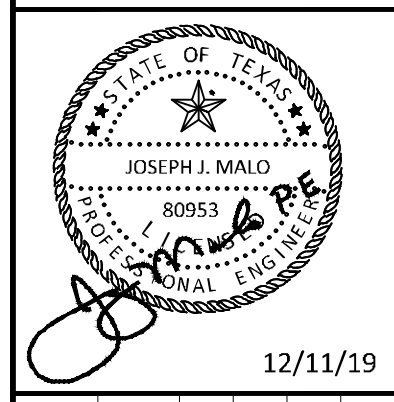
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MATCHLINE SEE SHEET C16.05

ADDENDUM #1	ADDENDUM #5	ADDENDUM #6	DATE	BY
1			09/10/2019	JM
2			10/24/2019	JM
3			12/11/2019	JM

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

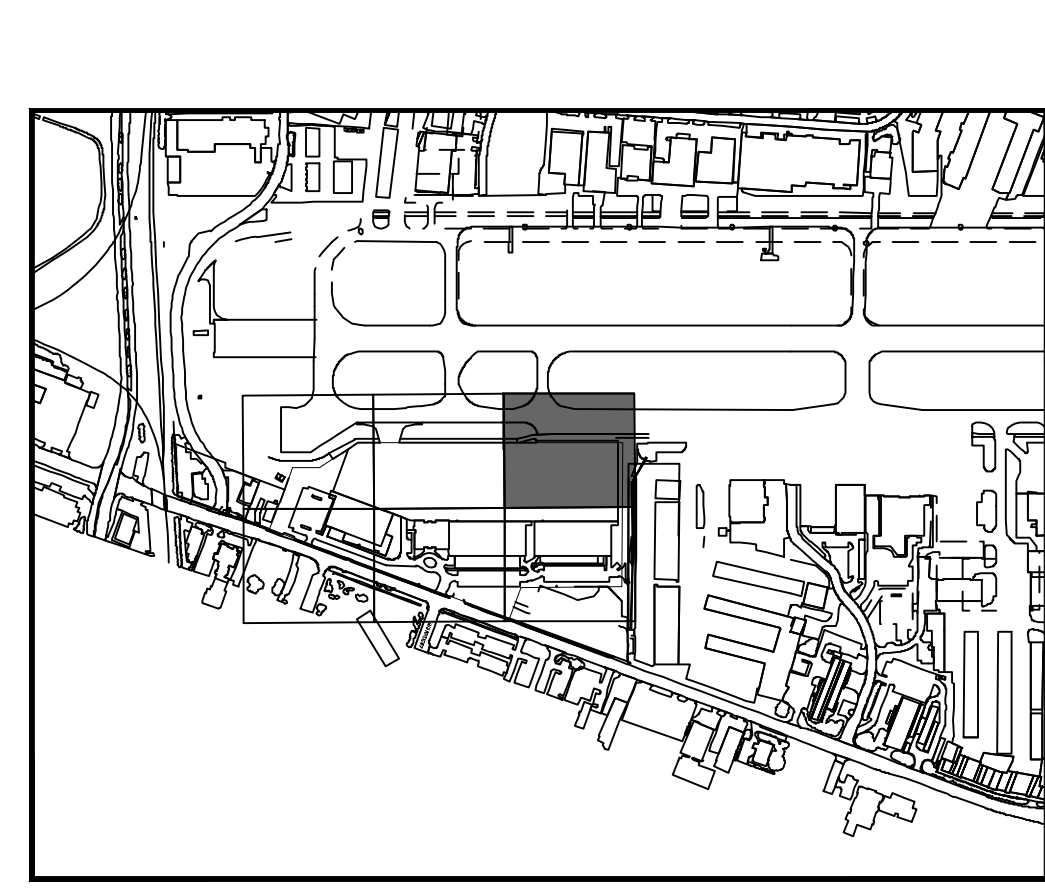
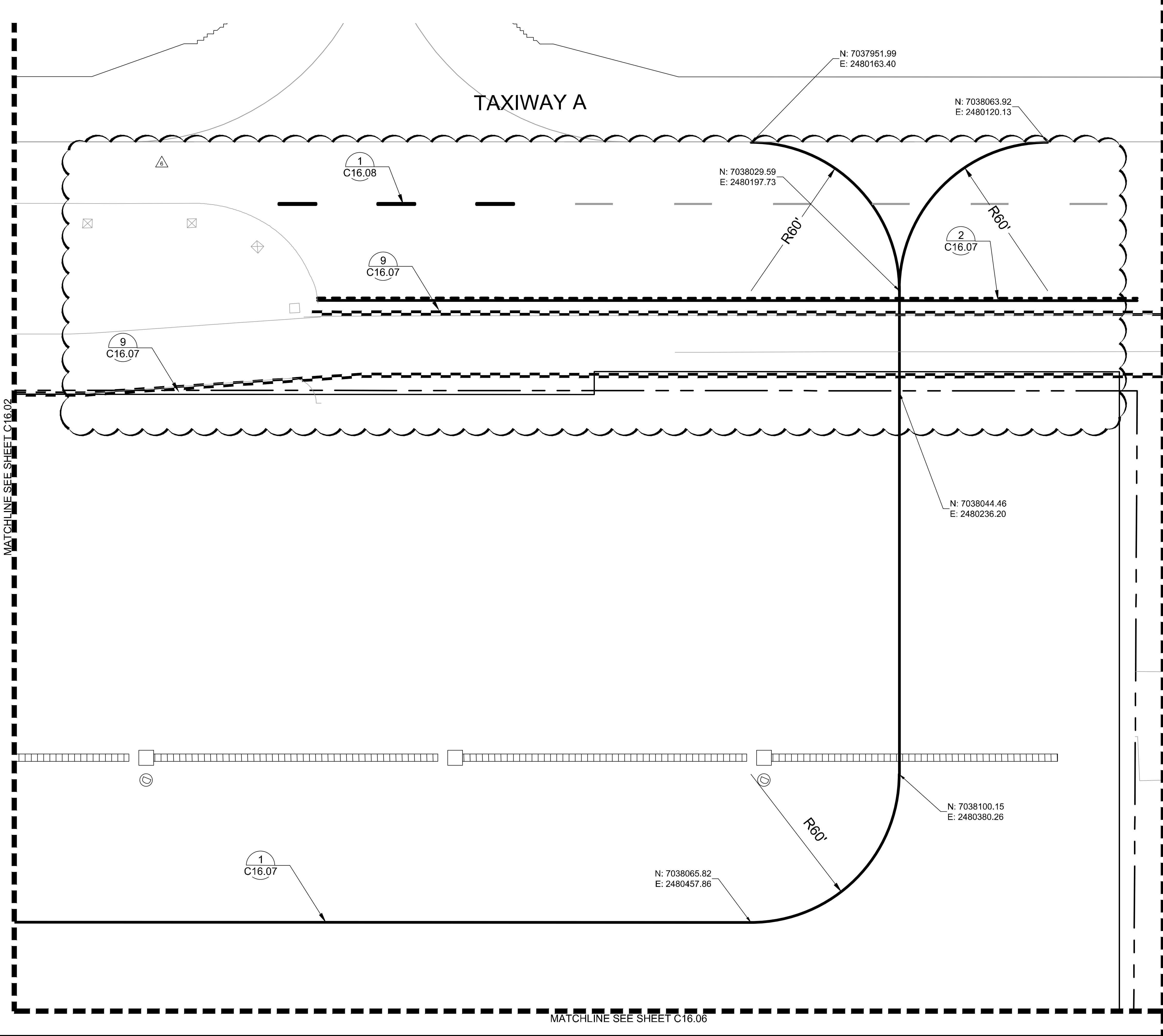
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ADDISON GALAXY FBO
 15601 ADDISON RD.
 PREPARED FOR
 BLACK FOREST VENTURE

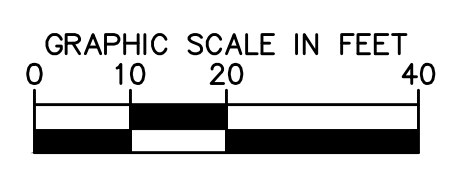
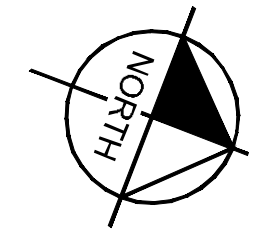
DALLAS, TEXAS

SHEET NUMBER
C16.02

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KEY PLAN



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ADDENDUM #5		10/24/2019	JM
ADDENDUM #6		12/11/2019	JM
No.	REVISIONS	DATE	BY

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STATE OF TEXAS
 JOSEPH J. MALO
 80953
 PROFESSIONAL ENGINEER

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

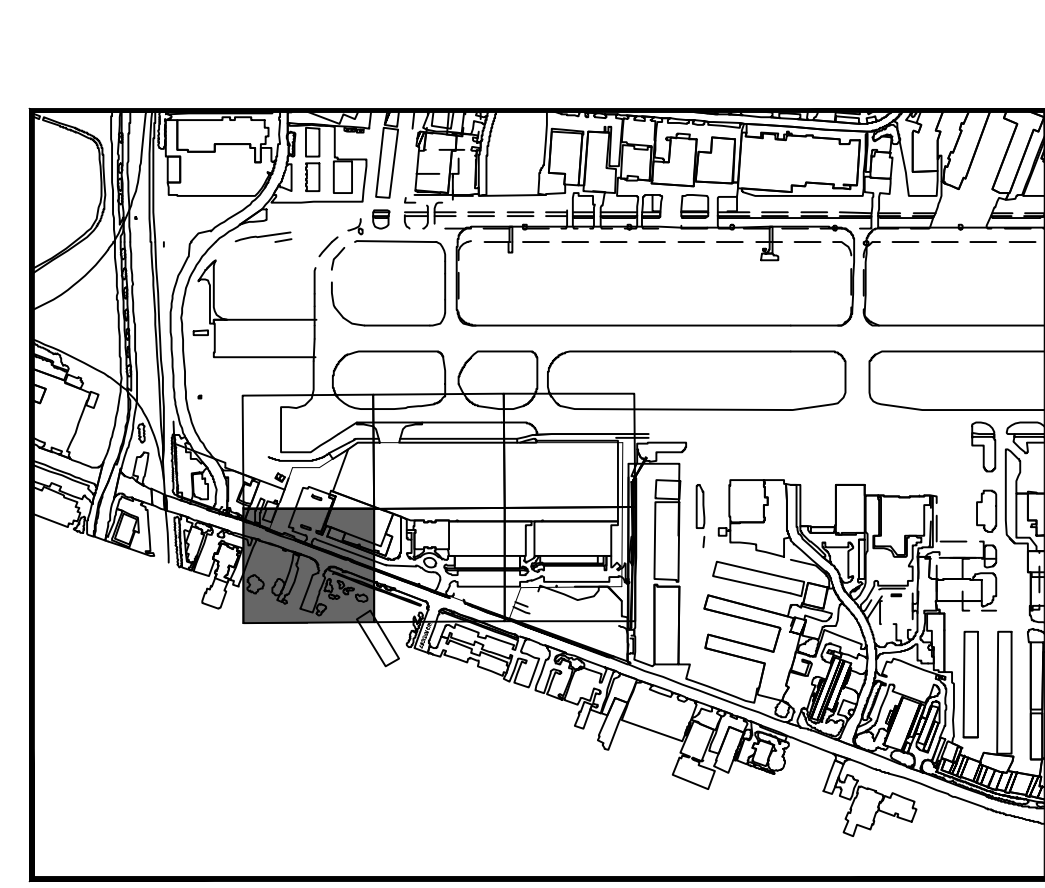
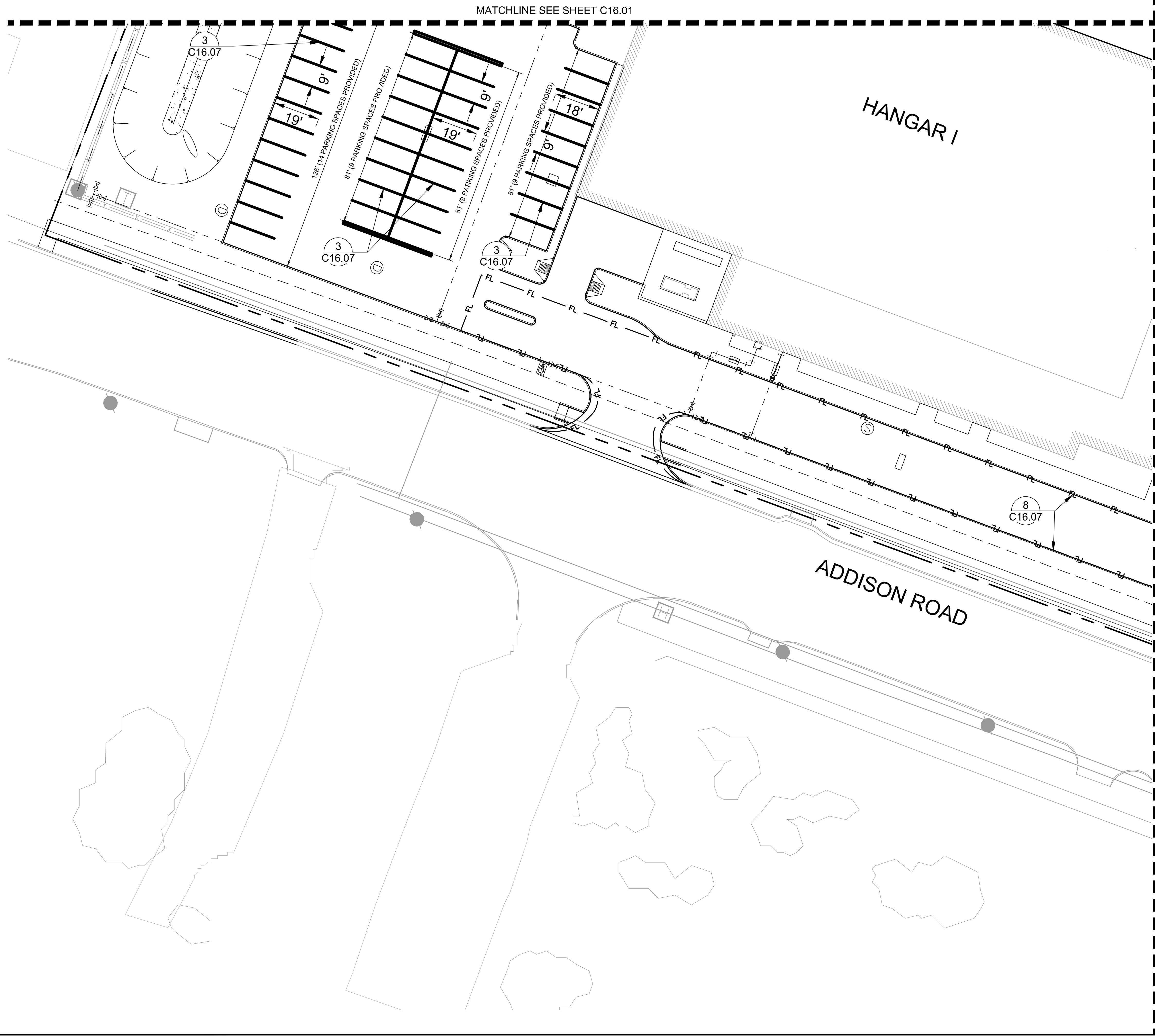
12/11/19

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

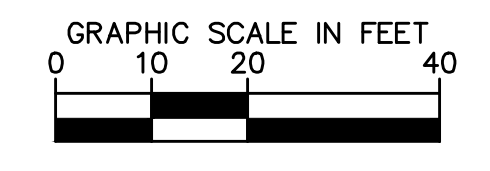
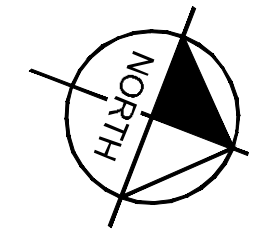
ADDISON DALLAS, TEXAS

SHEET NUMBER
C16.03

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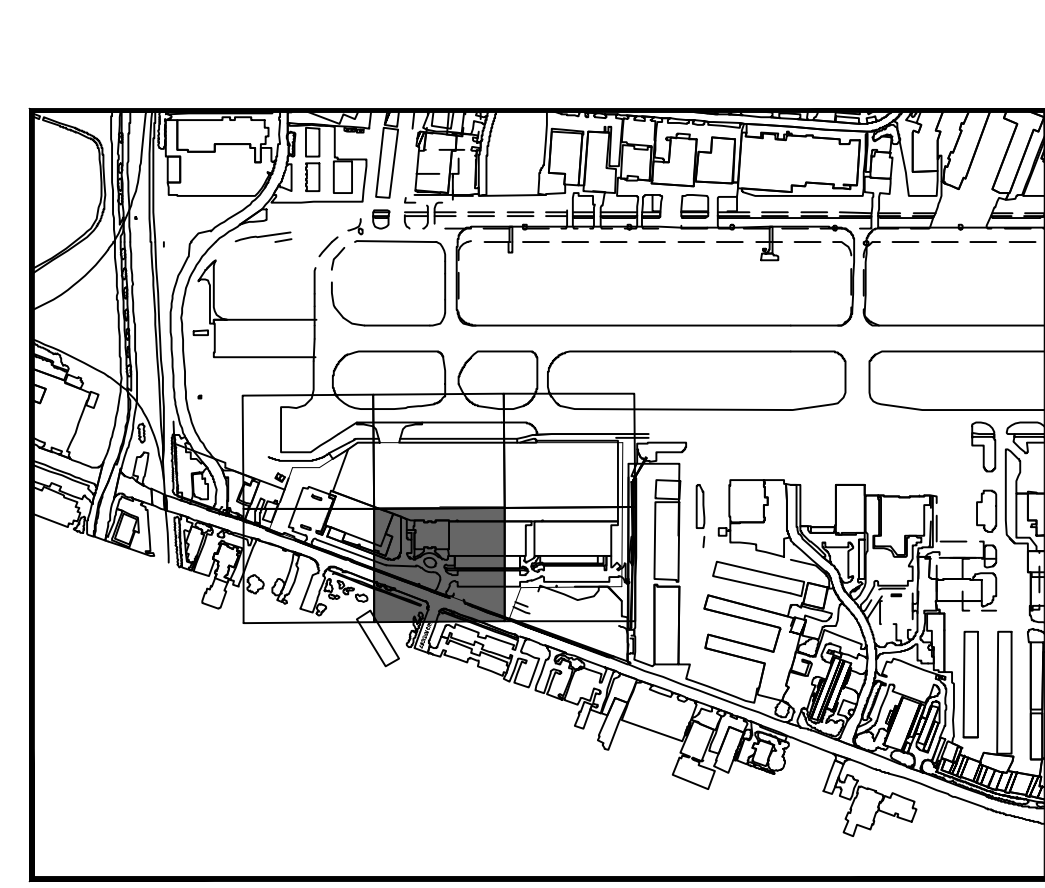
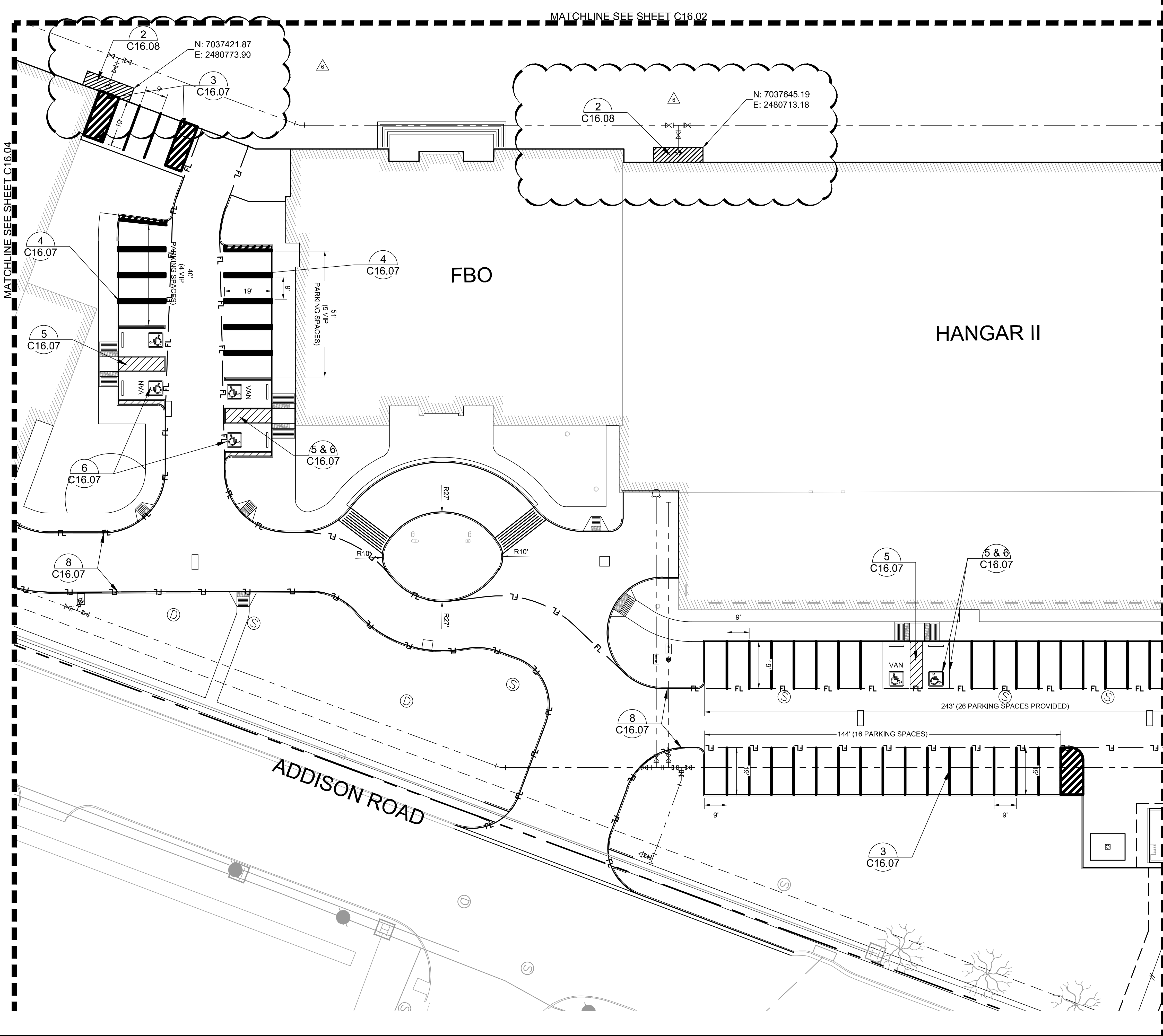


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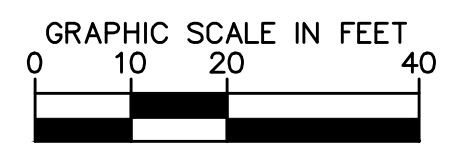
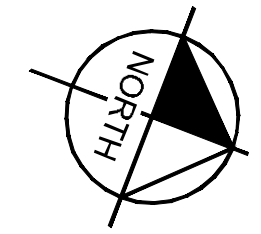


ADDISON GALAXY FBO 15601 ADDISON RD. PREPARED FOR BLACK FOREST VENTURE		DALLAS, TEXAS ADDISON	
PAVEMENT MARKING PLAN			
KHA PROJECT 067792503	DATE 12/11/2019	SCALE AS SHOWN	DESIGNED BY HCV DRAWN BY EC EAC CHECKED BY HCV
		12/11/19	
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		ADDENDUM #3 12/11/2019 JM	ADDENDUM #4 12/11/2019 JM
No.	REVISIONS	DATE	BY
SHEET NUMBER C16.04			

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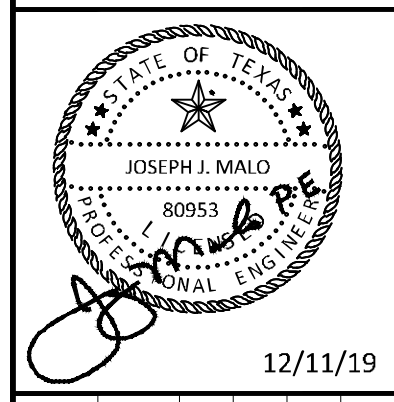
KEY PLAN



ADDENDUM #	DATE	BY
1	09/10/2019	JM
2	10/24/2019	JM
3	12/11/2019	JM

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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

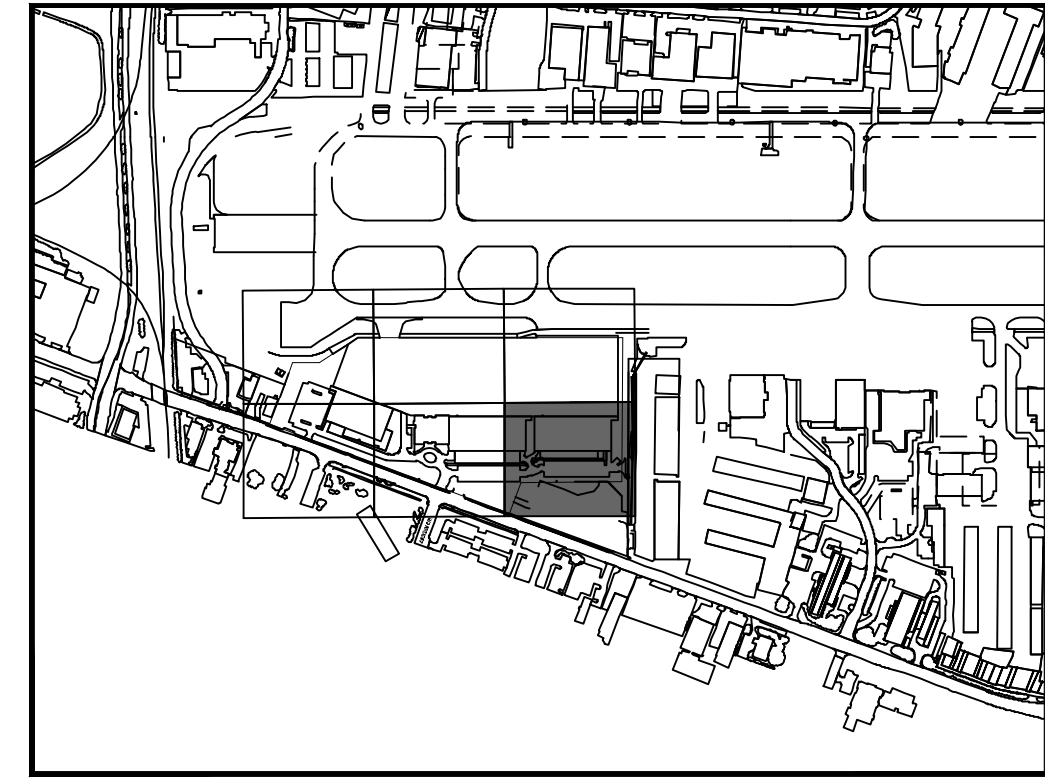
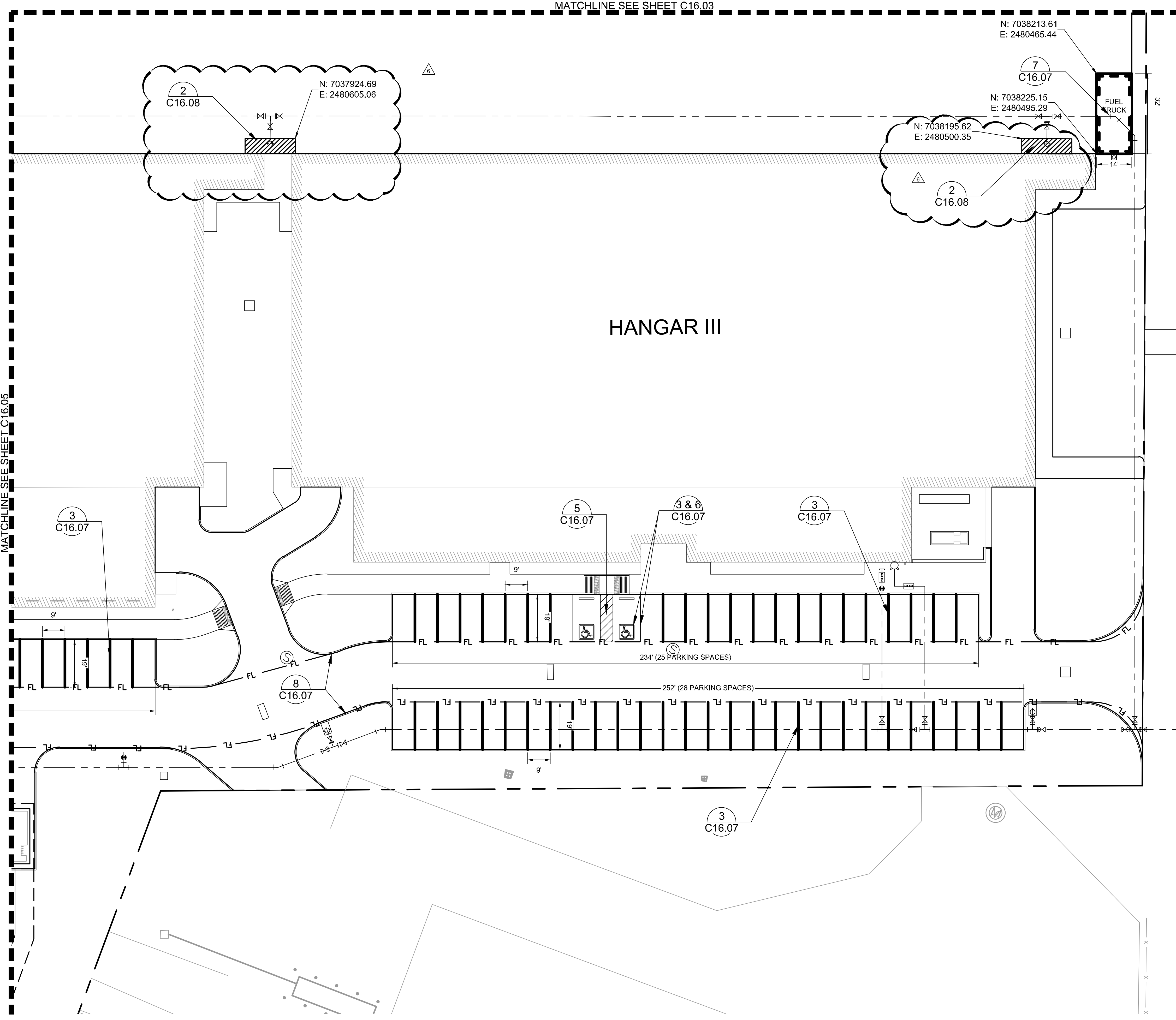
DALLAS, TEXAS

ADDISON

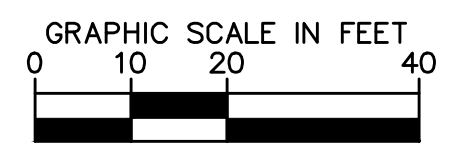
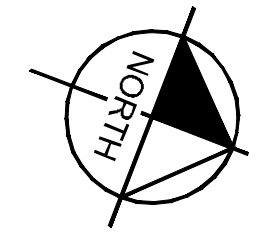
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KEY PLAN

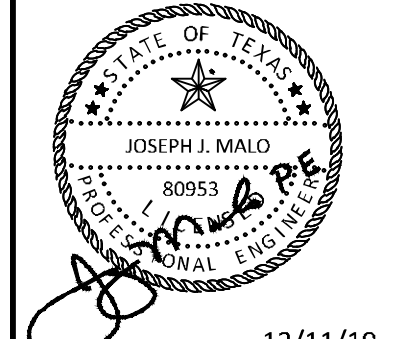


MATCHLINE SEE SHEET C16.03

HANGAR III

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

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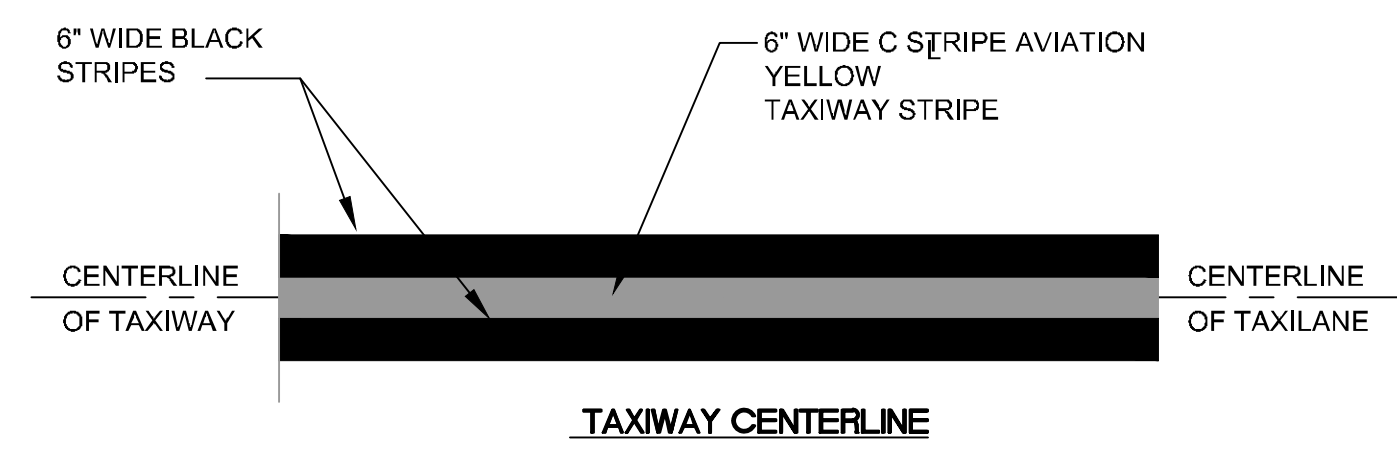
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DATE	12/11/2019
SCALE	AS SHOWN
DESIGNED BY	HCV
DRAWN BY	EC EAC
CHECKED BY	HCV

PAVEMENT MARKING PLAN

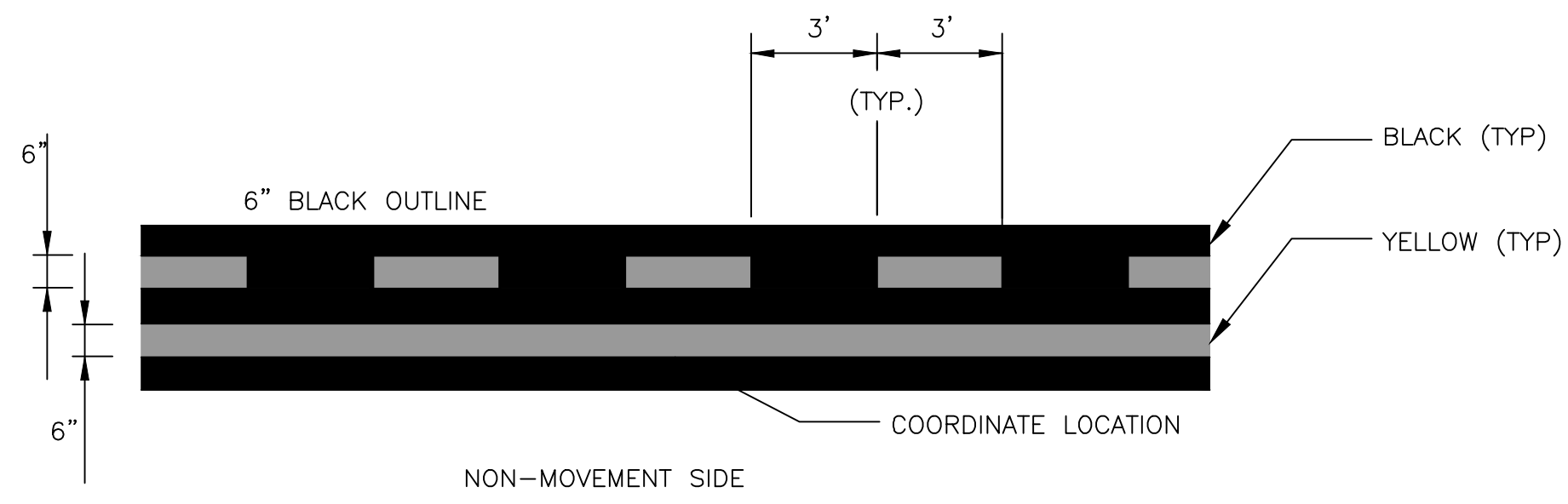
ADDISON GALAXY FBO
 15601 ADDISON RD.
 PREPARED FOR
BLACK FOREST VENTURE
 DALLAS, TEXAS

ADDISON
 SHEET NUMBER
C16.06

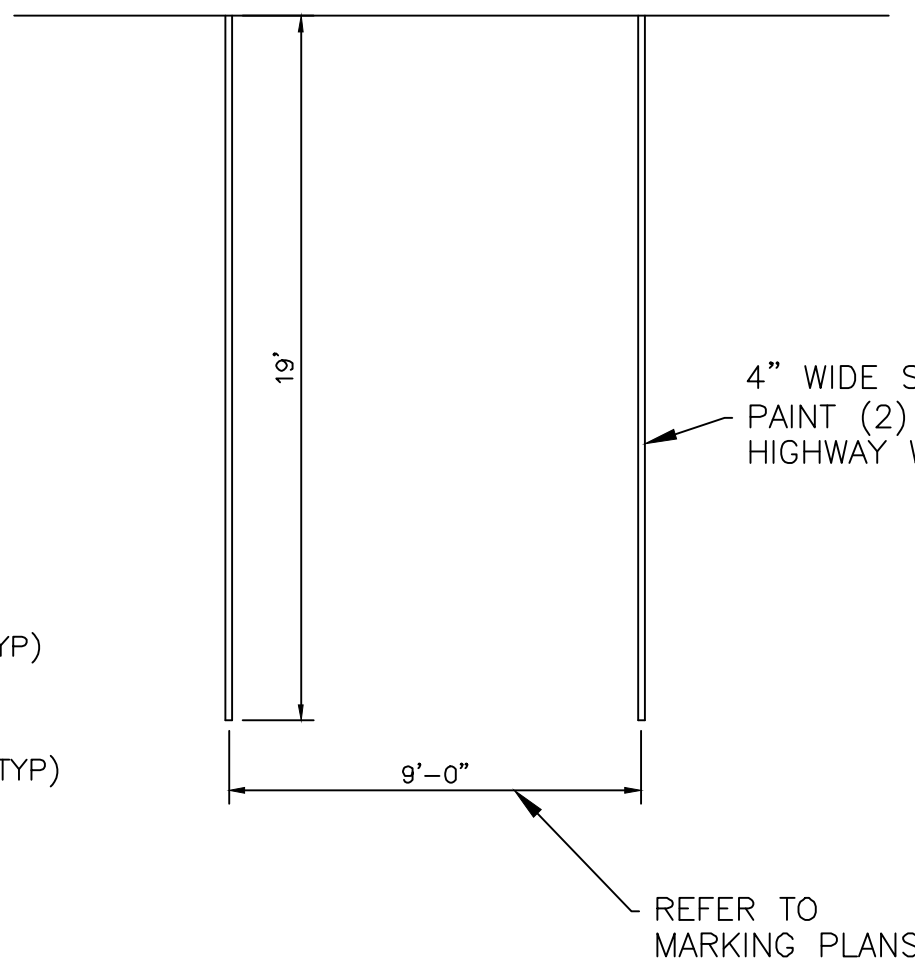
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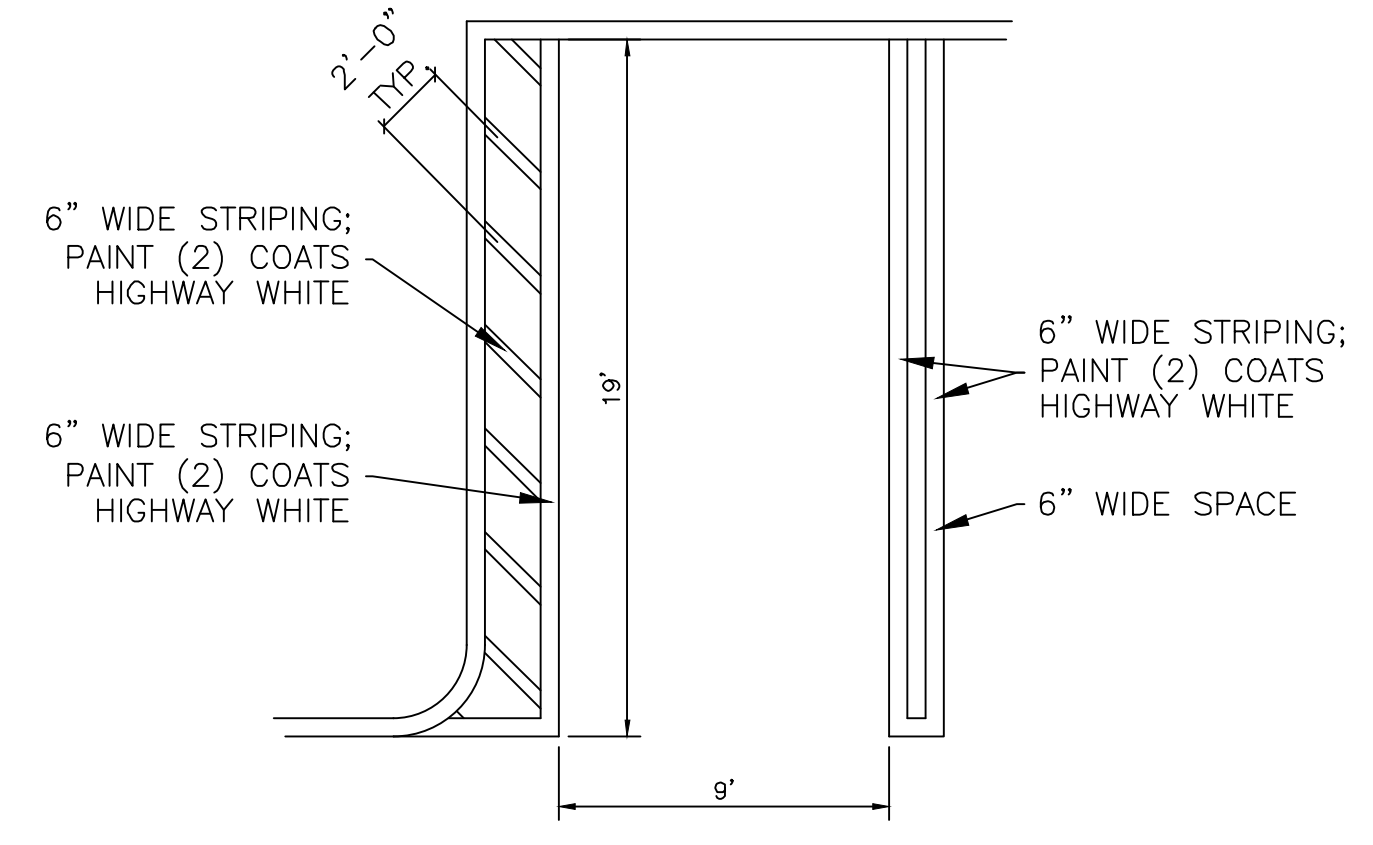
1 TAXILANE CENTERLINE MARKING DETAIL
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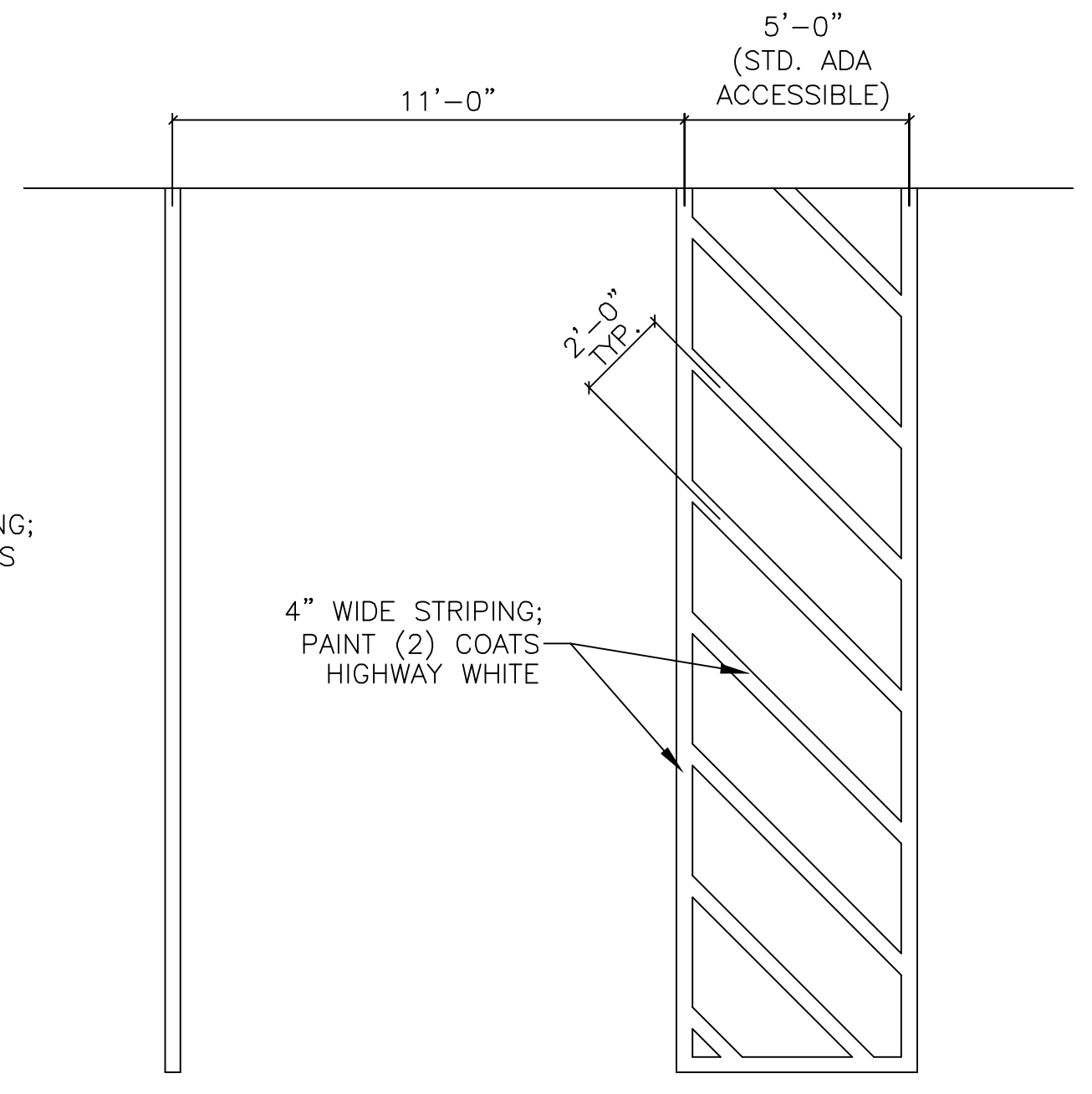
2 NON-MOVEMENT AREA MARKING
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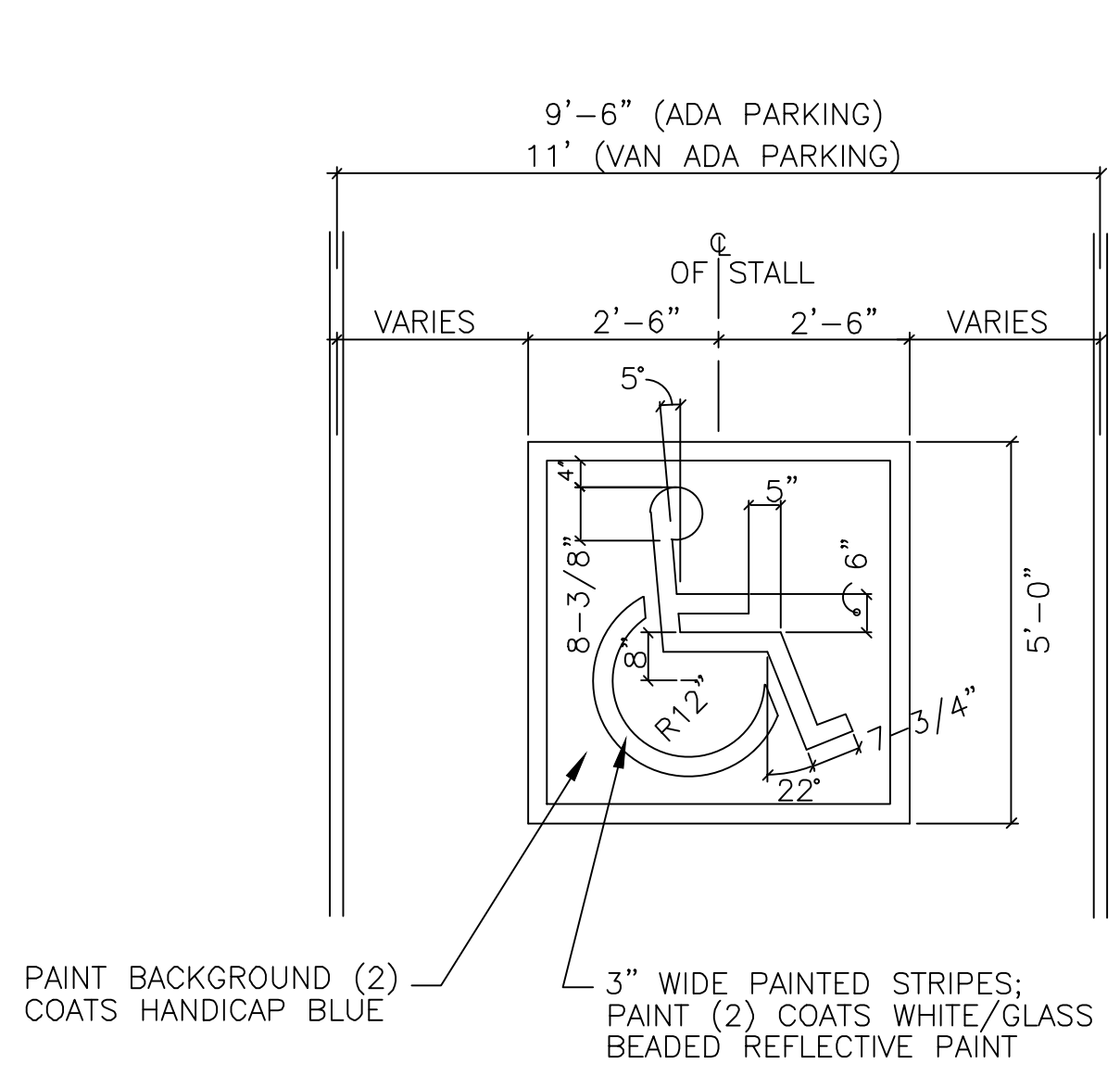
3 REGULAR PARKING STRIPE DETAIL
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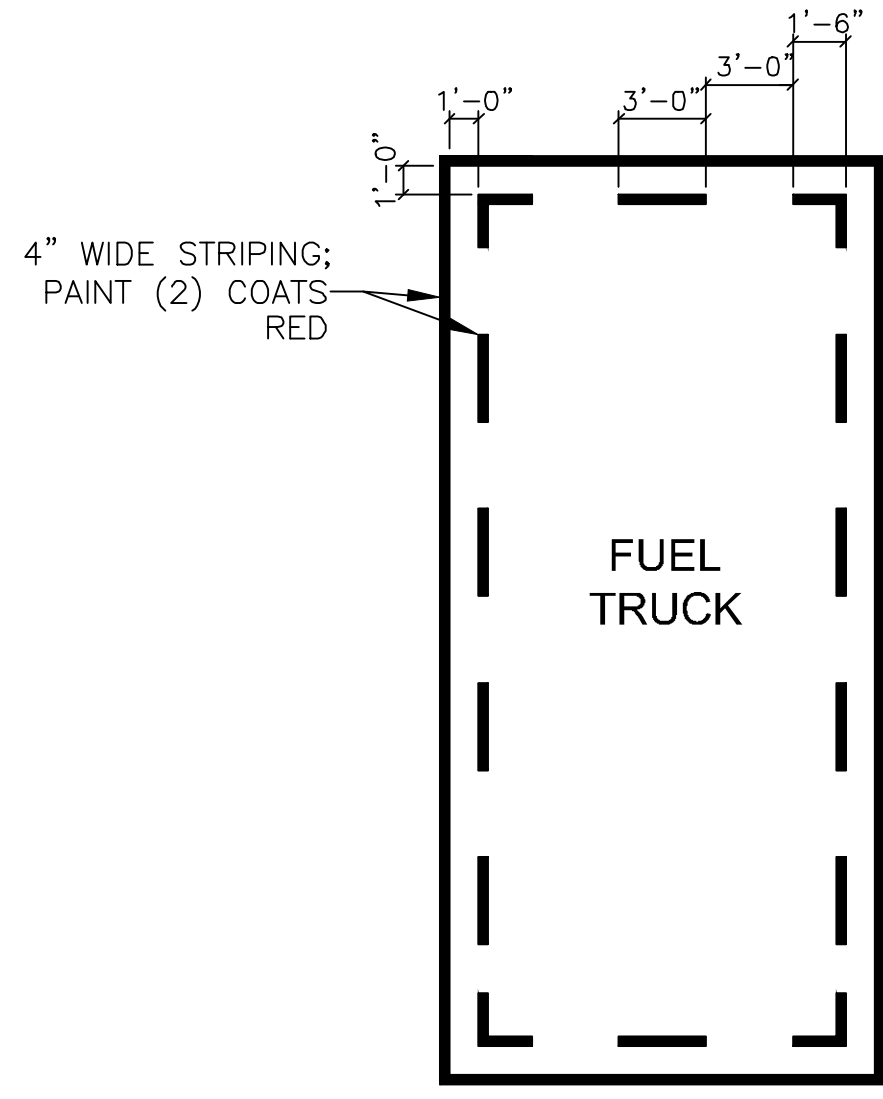
4 VIP PARKING STRIPE DETAIL
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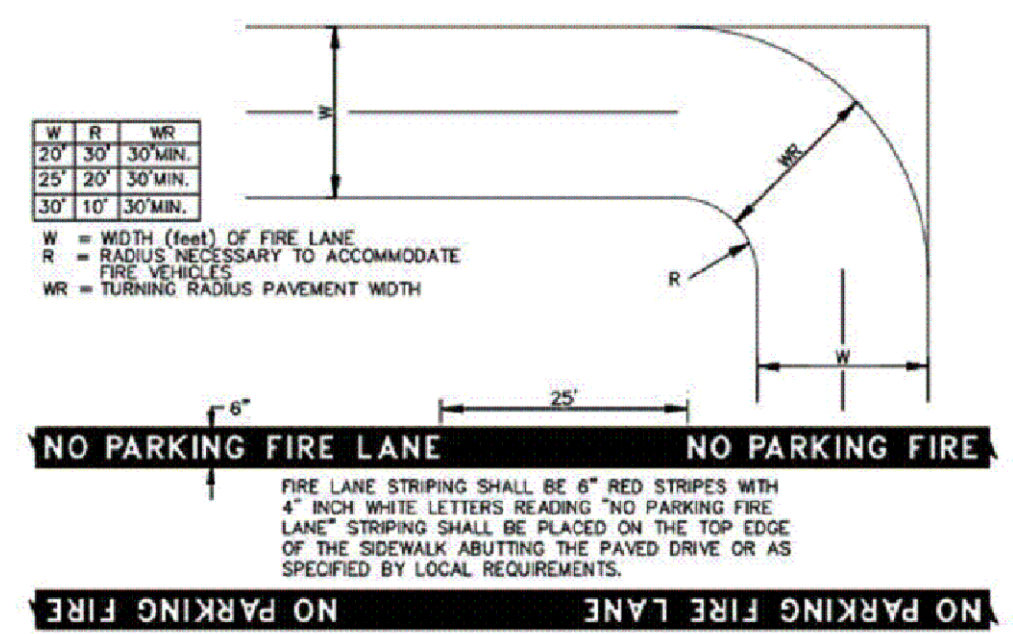
5 ADA VAN ACCESSIBLE PARKING DETAIL
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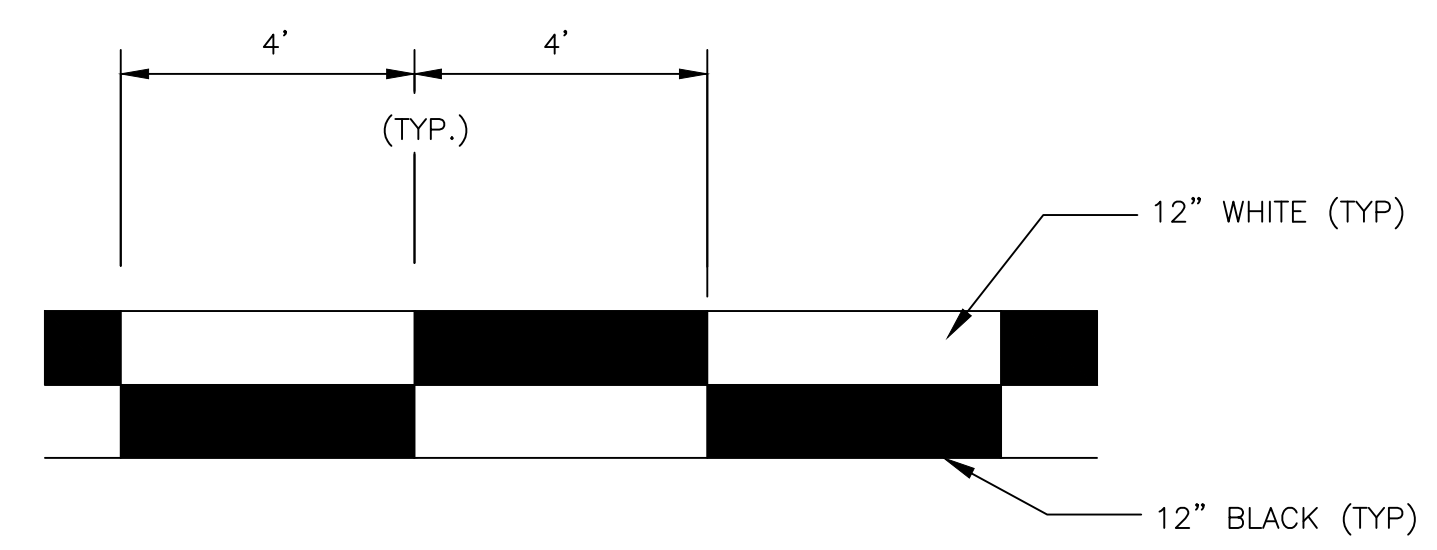
6 HANDICAP MARKING DETAIL
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7 FUEL TRUCK PARKING MARKING DETAIL
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8 FIRE LANE MARKING
N.T.S.

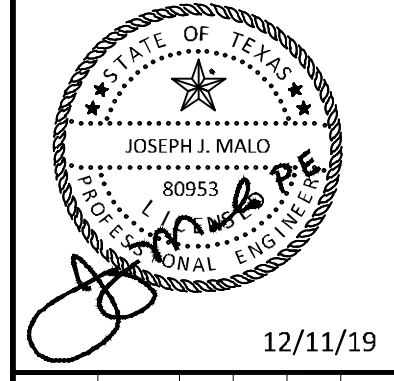


9 ROADWAY EDGE STRIPES ZIPPER MARKING DETAIL
N.T.S.

ADDENDUM #1	ADDENDUM #2	ADDENDUM #3	ADDENDUM #4	ADDENDUM #5	ADDENDUM #6
09/10/2019	JM				
10/24/2019	JM				
12/11/2019	JM				

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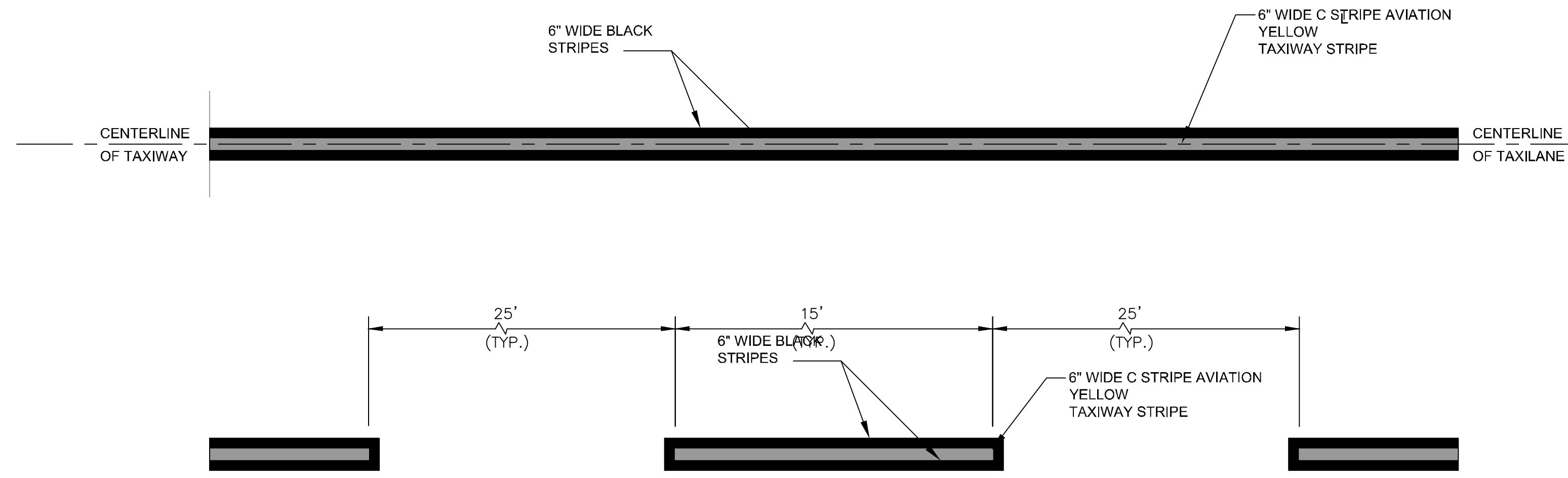
KHA PROJECT	DATE	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY
067792503	12/11/2019	AS SHOWN	HCV	EAC	HCV

PAVEMENT MARKING DETAILS

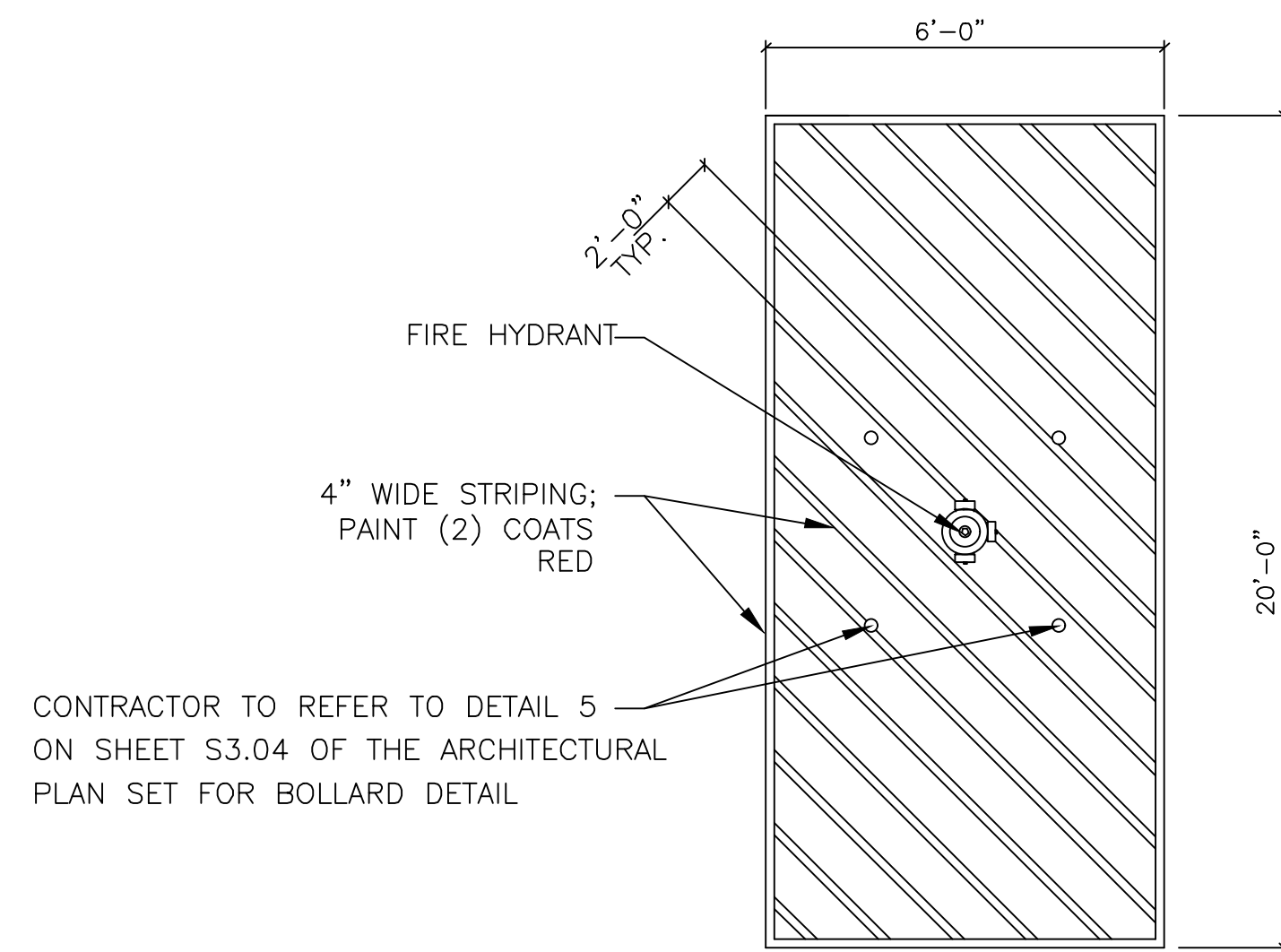
ADDISON GALAXY FBO
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 PREPARED FOR
 BLACK FOREST VENTURE

DALLAS, TEXAS

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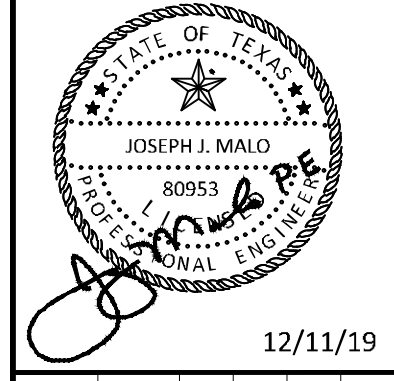
1 TAXILANE EDGE MARKING - CASE 2 DETAIL
N.T.S.



2 FIRE HYDRANT AREA MARKING DETAIL
N.T.S.

ADDENDUM #1	DATE	BY
1	09/10/2019	JM
2	10/24/2019	JM
3	12/11/2019	JM

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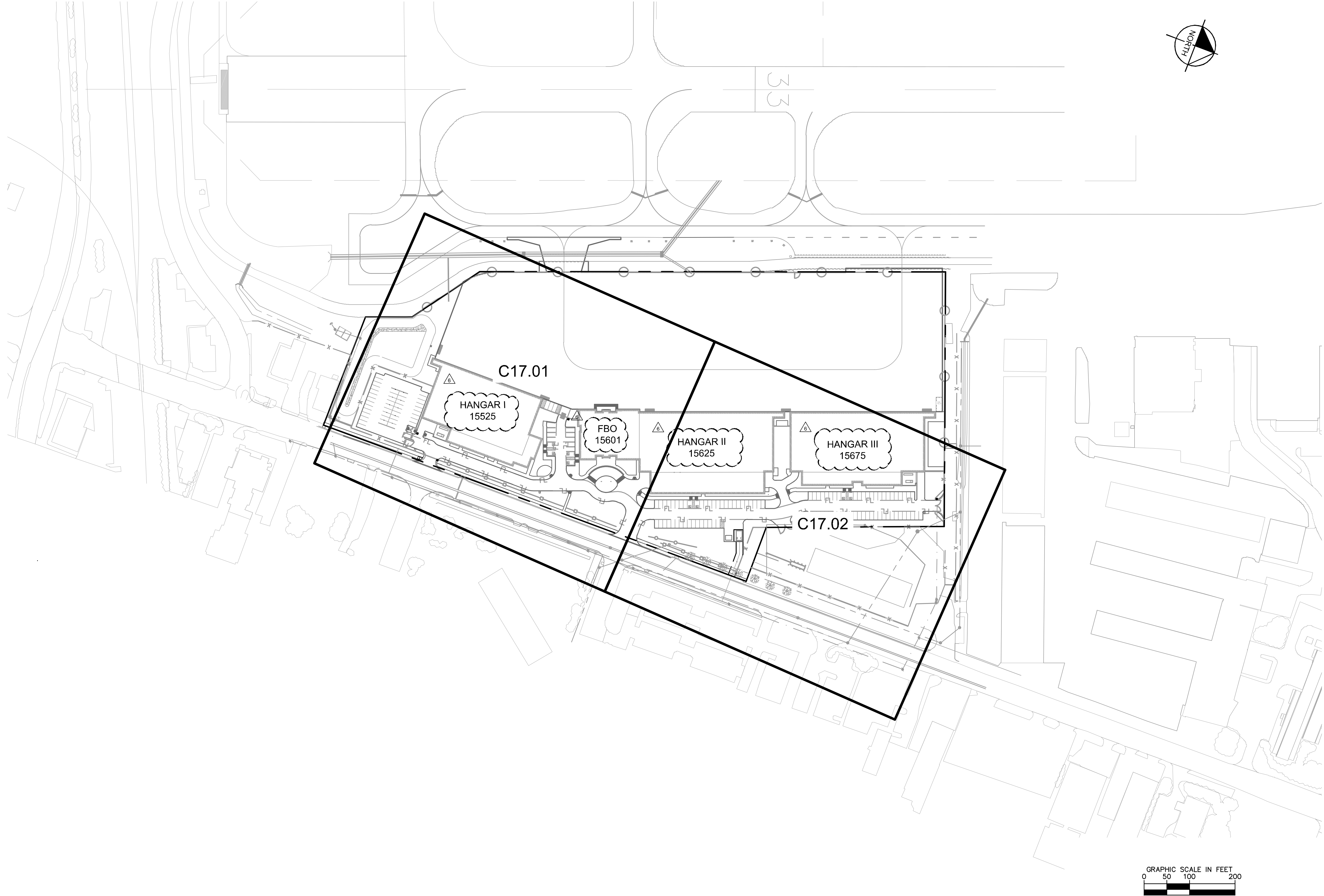


KHA PROJECT	067792503
DATE	12/11/2019
SCALE	AS SHOWN
DESIGNED BY	HCV
DRAWN BY	EC EAC
CHECKED BY	HCV

**PAVEMENT MARKING
DETAILS**

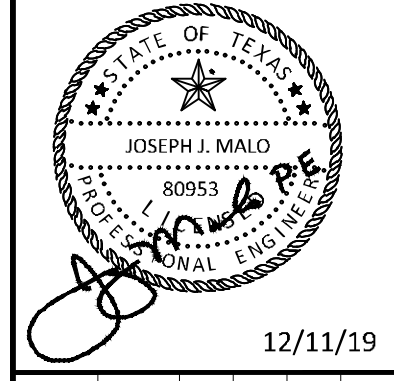
ADDISON GALAXY FBO
 15601 ADDISON RD.
 PREPARED FOR
 BLACK FOREST VENTURE
 DALLAS, TEXAS
 ADDISON

Plotted By: Lamar, Morgan Street Set: Kha Layout: C17.00 December 12, 2019 06:01:03pm K:\WD\Avidien\067792503 - Addison Galaxy FBO\ACAD\Draw Sheets\C17.00 FENCING PLAN.dwg
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ADDENDUM #1	DATE	BY
1	09/10/2019	JM
2	10/24/2019	JM
3	12/11/2019	JM
4		
5		
6		

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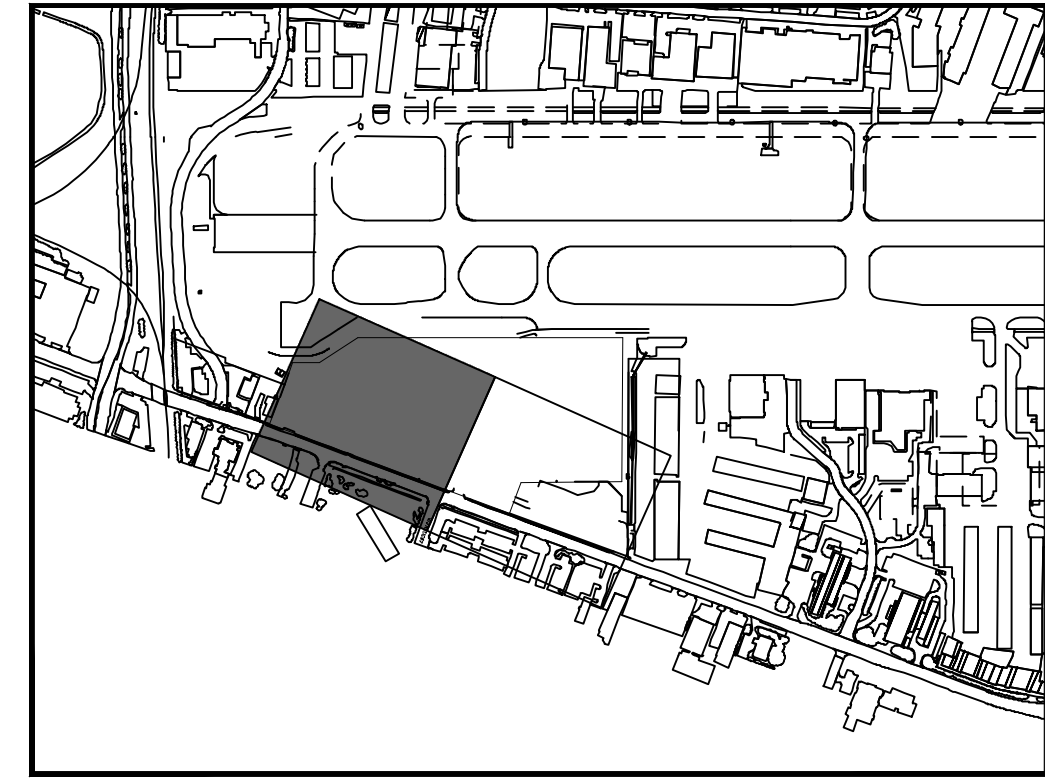
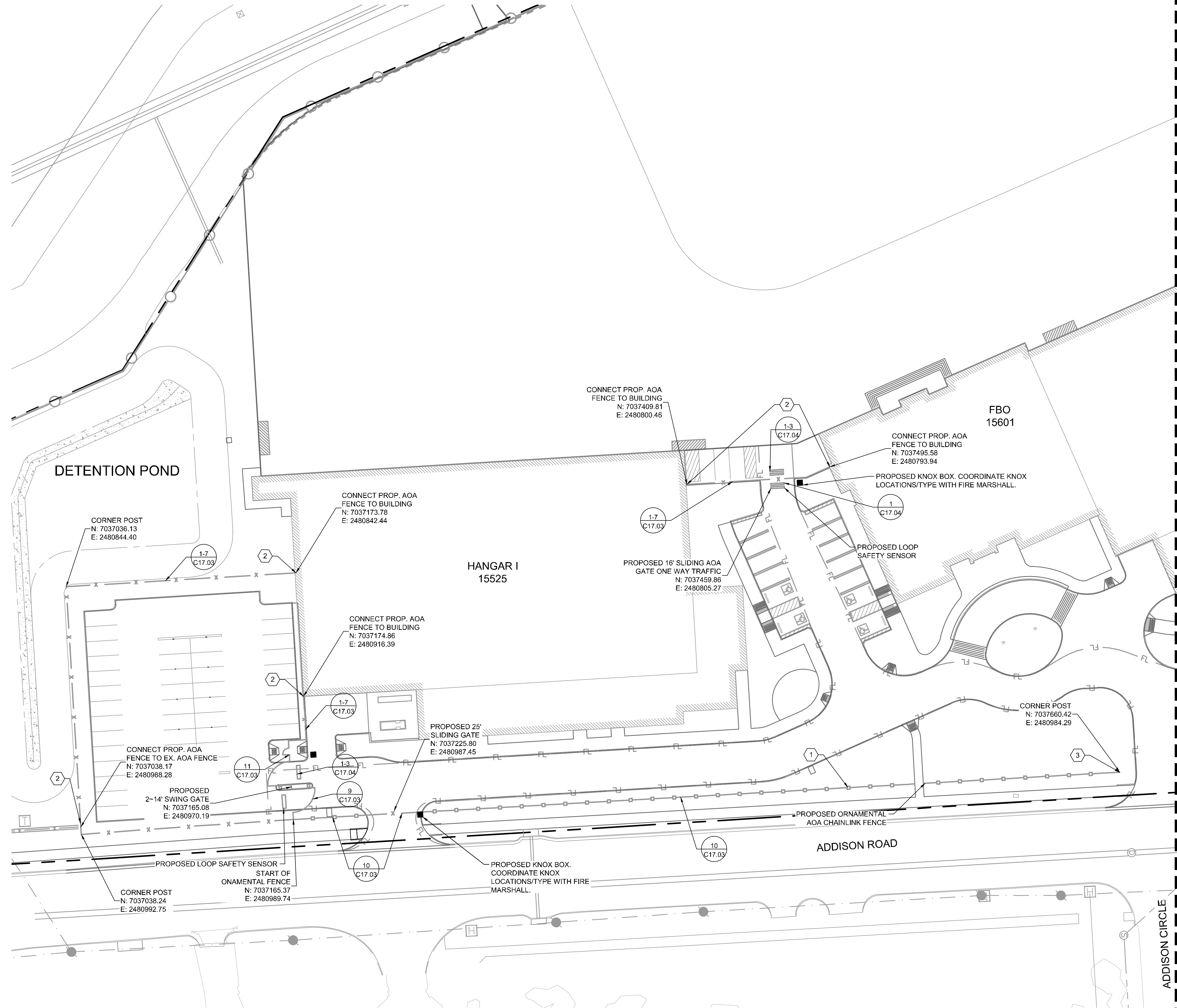
KHA PROJECT	067792503
DATE	12/11/2019
SCALE	AS SHOWN
DESIGNED BY	HCV
DRAWN BY	EC EAC
CHECKED BY	HCV

**FENCING PLAN KEY
 MAP**

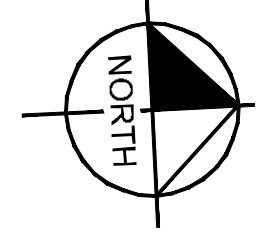
ADDISON GALAXY FBO
 15601 ADDISON RD.
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BLACK FOREST VENTURE
 DALLAS, TEXAS

SHEET NUMBER
C17.00

Plotted By: Lamar, Morgan Street: Setskha Layout: C17.01 December 12, 2019 06:01:10pm K:\V\LD\Aviation\06792503 - Addison Galaxy FBO\CAD\Draw\Sheets\C17.00 FENCING PLAN.dwg
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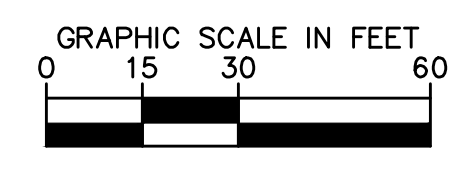
KEY PLAN



MATCHLINE SEE SHEET C17.02

- 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 ORNAMENTAL FENCE AND DEMOLISH EXISTING FENCE.

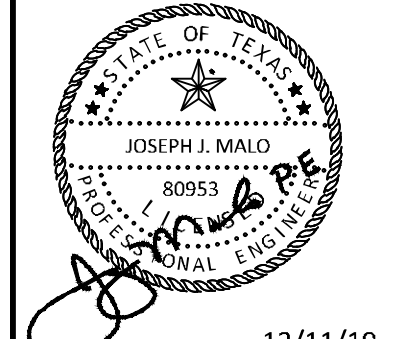
- LEGEND**
- EX. AOA CHAINLINK FENCE
 - PROP. AOA CHAINLINK FENCE (PHASE 2)
 - o- PROP. TEMPORARY AOA CHAINLINK FENCE (PHASE 1)
 - o--- PROP. ORNAMENTAL FENCE (PHASE 3)



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

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 DALLAS, TEXAS 75244
 PHONE: 281-475-2816
 TBPE FIRM REGISTRATION F-928
 WWW.KIMLEY-HORN.COM



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

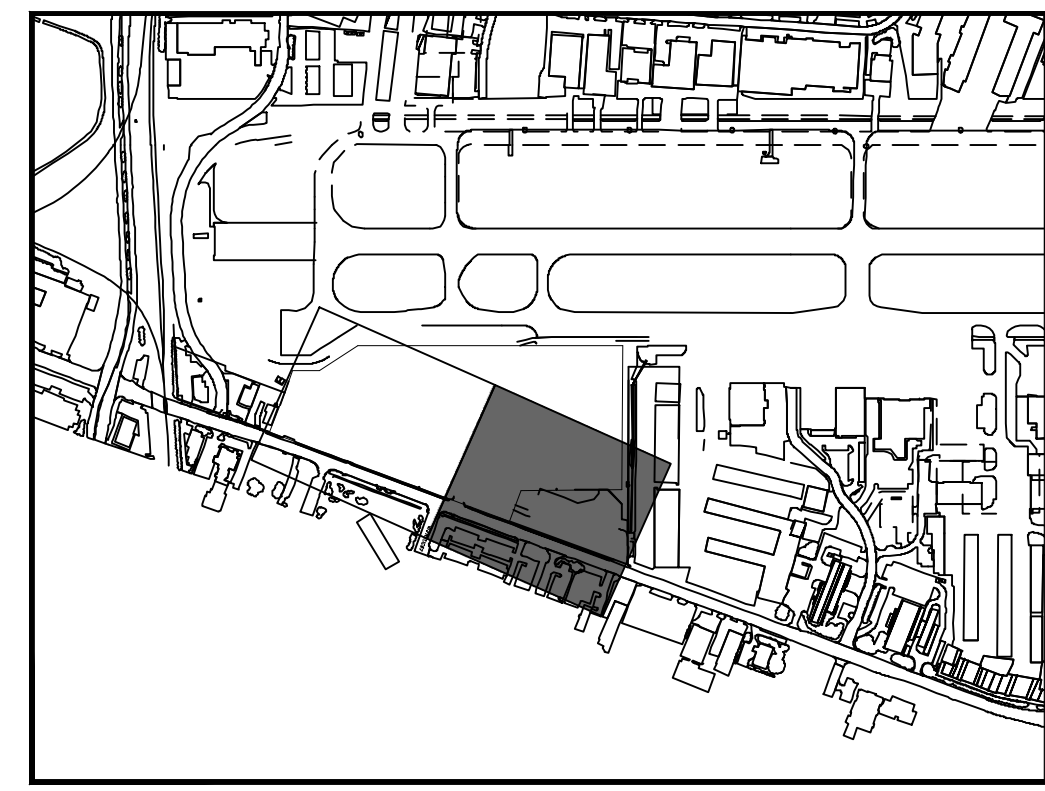
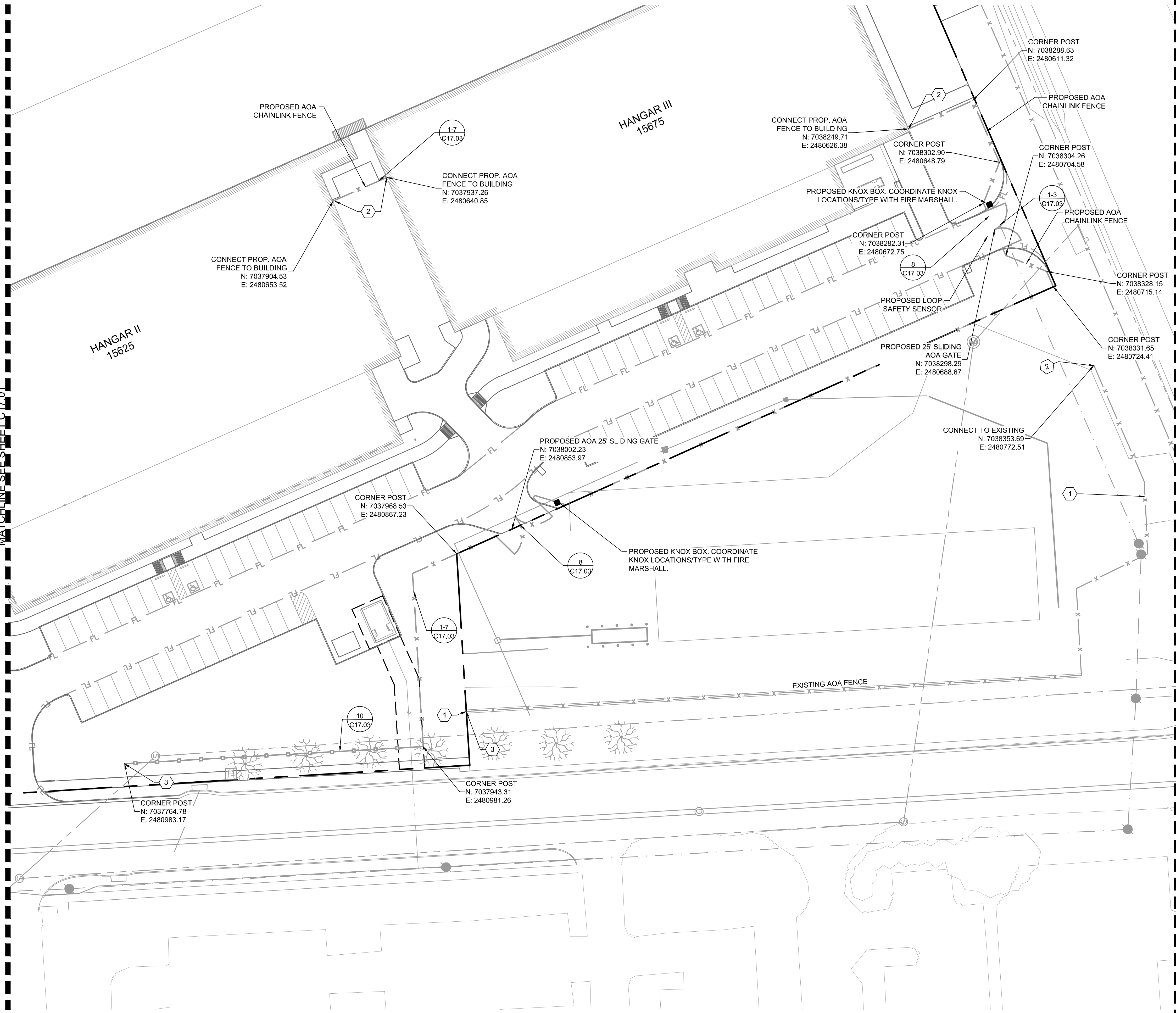
FENCING PLAN

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

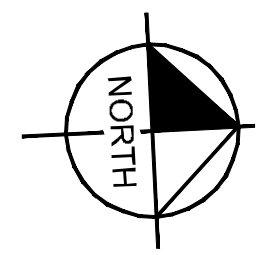
DALLAS, TEXAS
 ADDISON

Plotted By: Lamiar, Morgan Street: Sctkko Layout: C17.02 December 12, 2019 06:01:15pm K:\VDL-Aviation\067792503 - Addison Galaxy FBO\ACAD.dwg Sheets\C17.00 FENCING PLAN.dwg
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MATCHLINE SEE SHEET C17.01

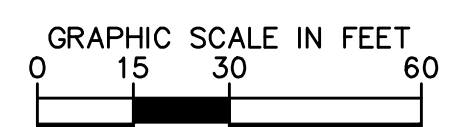


KEY PLAN



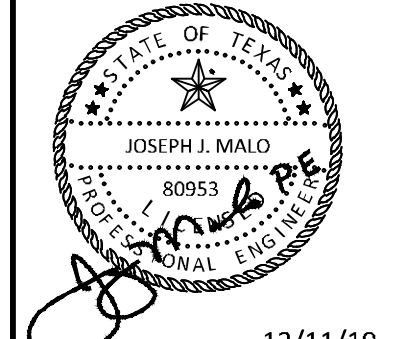
- PHASING NOTE:**
- ① PHASE 1: EXISTING AOA FENCE SHALL REMAIN IN PLACE UNTIL HANGARS AND FBO ARE CONSTRUCTED WITH NEW PROPOSED AOA FENCING SECURING PROJECT SITE.
 - ② PHASE 2: INSTALL PROPOSED AOA SECURITY FENCE ON PROJECT SECURED TO HANGARS, FBO AND EXISTING AOA FENCE TO REMAIN
 - ③ PHASE 3: ORNAMENTAL FENCE ERECTED AND EXISTING AOA CHAINLINK FENCE REMOVED IN NOTED LOCATIONS. CONSTRUCT ORNAMENTAL FENCE AND DEMOLISH EXISTING FENCE.

- LEGEND**
- EX. AOA CHAINLINK FENCE
 - x-x- PROP. AOA CHAINLINK FENCE (PHASE 2)
 - o-o- PROP. TEMPORARY AOA CHAINLINK FENCE (PHASE 1)
 - PROP. ORNAMENTAL FENCE (PHASE 3)



ADDENDUM #1	ADDENDUM #5	ADDENDUM #6	DATE	BY
1			09/10/2019	JM
2			10/24/2019	JM
3			12/11/2019	JM

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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
 DALLAS, TEXAS
 ADDISON

SHEET NUMBER
C17.02

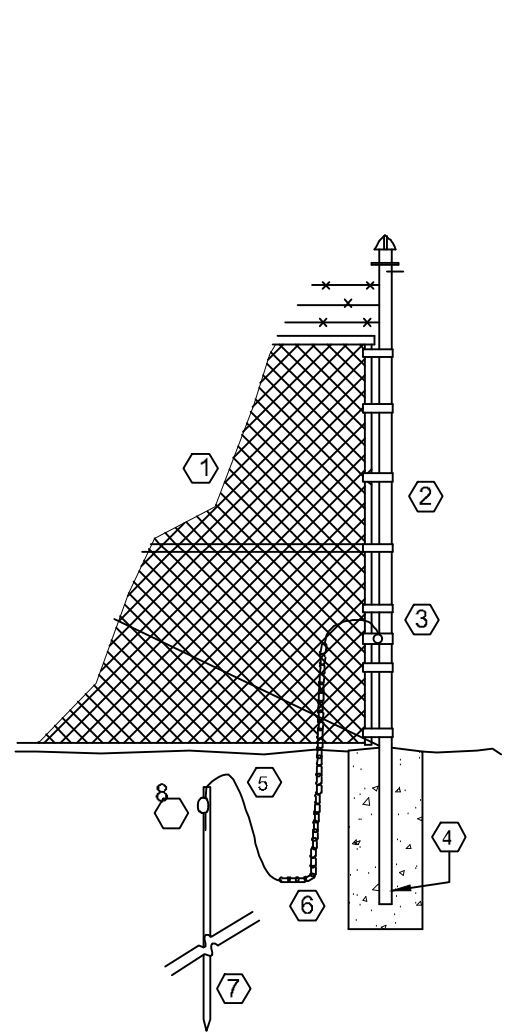
Plotted By: Lamar, Morgan Street Set: KHA Layout: C17.03 December 12, 2019 06:01:30pm K:\MID\Addison\067792503 - Addison Galaxy FBO\ACAD\Draw Sheets\C17.03 FENCE DETAILS.dwg
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CHAIN-LINK FENCE NOTES:

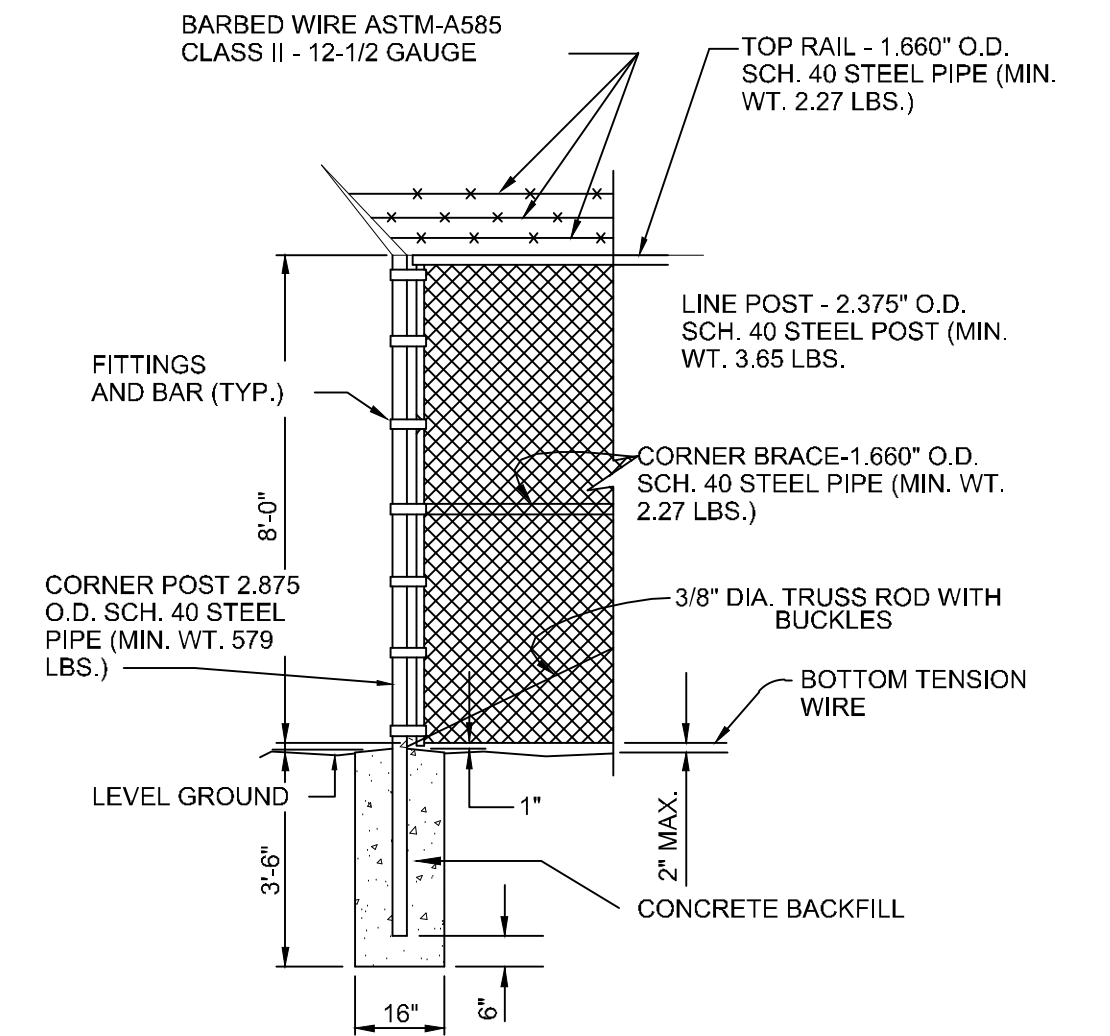
- FENCE TO BE 2" MESH WOVEN FROM NO. 9 WIRE AND GALVANIZED BY THE HOT DIP PROCESS AFTER FABRICATION. TOP AND BOTTOM SELVAGE TO HAVE TWISTED AND BARBED FINISH. ALL FABRIC SHALL CONFORM TO ASTM A392, CLASS II. SEE SECTION 02834.
- ALL POSTS, TOP RAIL, AND BRACING TO BE GALVANIZED BY HOT DIP PROCESS. LINE 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.
- POST TO BE SPACED 10-FEET O.C. MAXIMUM.
- BOTTOM TENSION WIRE AND ALL TIES TO BE TO BE 9 GAUGE GALVANIZED.
- FENCE POSTS TO BE SET IN CLASS "A" CONCRETE (3000 PSI).
- 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.
- 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.
- TACK WELD ALL BOLTED CONNECTIONS.
- PAINT ALL WELDS WITH ZINC RICH PAINT.
- SLEEVED EXPANSION SPRINGS SHALL BE USED ONE IN EVERY FIVE TOP RAIL BUTTED CONNECTIONS.
- 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.
- PLACE MULTI LOCK-BLOCK ON GATE AS DIRECTED BY CITY ENGINEER.
- ALL STEEL, BOLTS, ETC. SHALL BE GALVANIZED ASTM A-36 STEEL.
- CONCRETE TO CURE 72-HOURS BEFORE INSTALLING TOP RAIL OR BRACING TO FENCE POST.
- NO GAP SHALL EXCEED 4 INCHES WHEN GATE IS CLOSED.
- FLASHERS TO BE BATTERY OPERATED OR SOLAR POWERED. LENS TO BE RED AND BE ABLE TO MANUALLY ROTATE 90°. LIGHTS TO BE OMNI-DIRECTIONAL.
- CONCRETE FOR ALL POST AND CONCRETE MOW STRIP SHALL FOLLOW THE REQUIREMENTS OF SPECIFICATION P-610.

LEGEND:

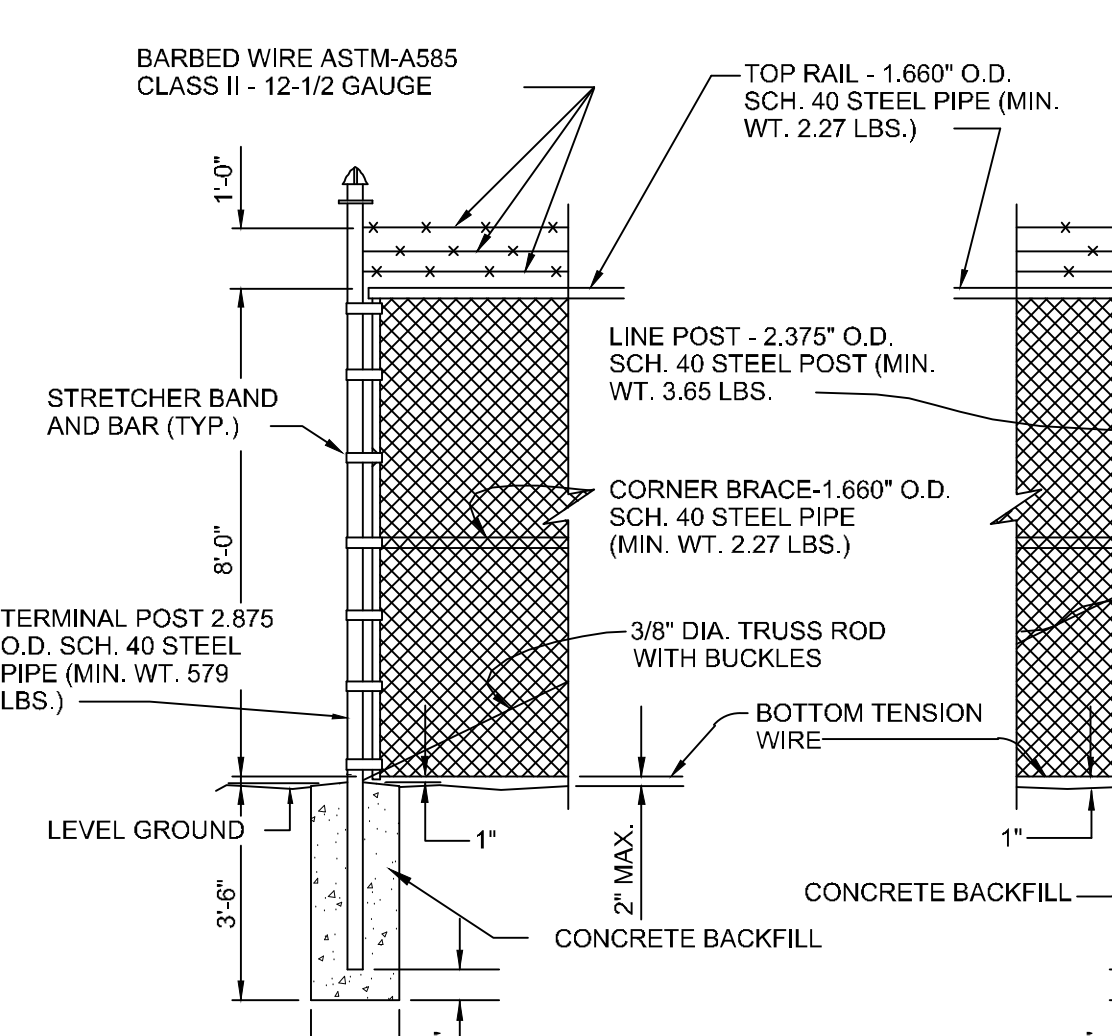
- FENCE FABRIC
 - FENCE POST
 - GROUND CLAMP TO BE A 3" U-BOLT CLAMP EGLE PC3UB AS MANUFACTURED "BY BONDED LIGHTING PROTECTION SYSTEMS, INC., HOUSTON, TEXAS (713) 688-1909
 - CONC. POLE BACKFILL
 - #6 BARE GROUND CABLE
 - 1/2" PVC SLEEVE FOR GROUND CABLE PROTECTION GRASS CUTTERS LOCATED ADJACENT TO FENCE FABRIC
 - 3/4" x 10'-0" COPPERWELD GROUND ROD
 - 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



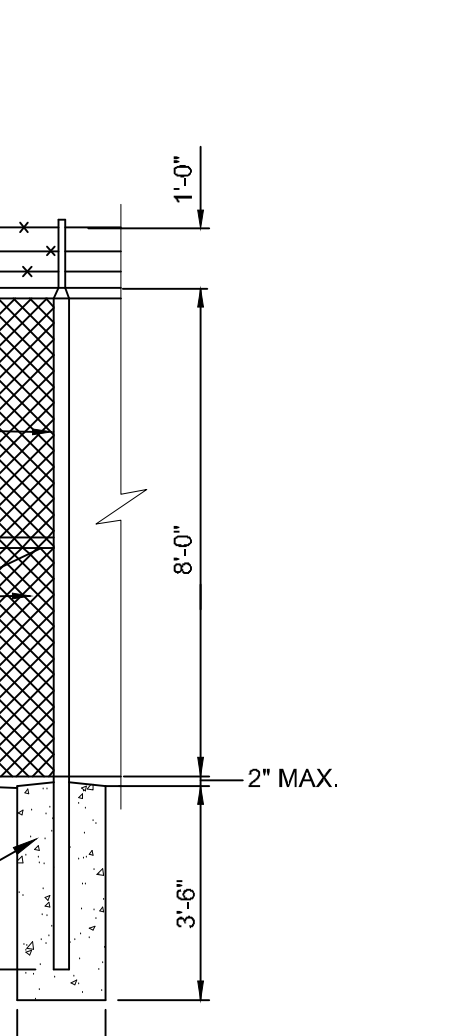
1 DETAIL
NO SCALE
FENCE GROUNDING



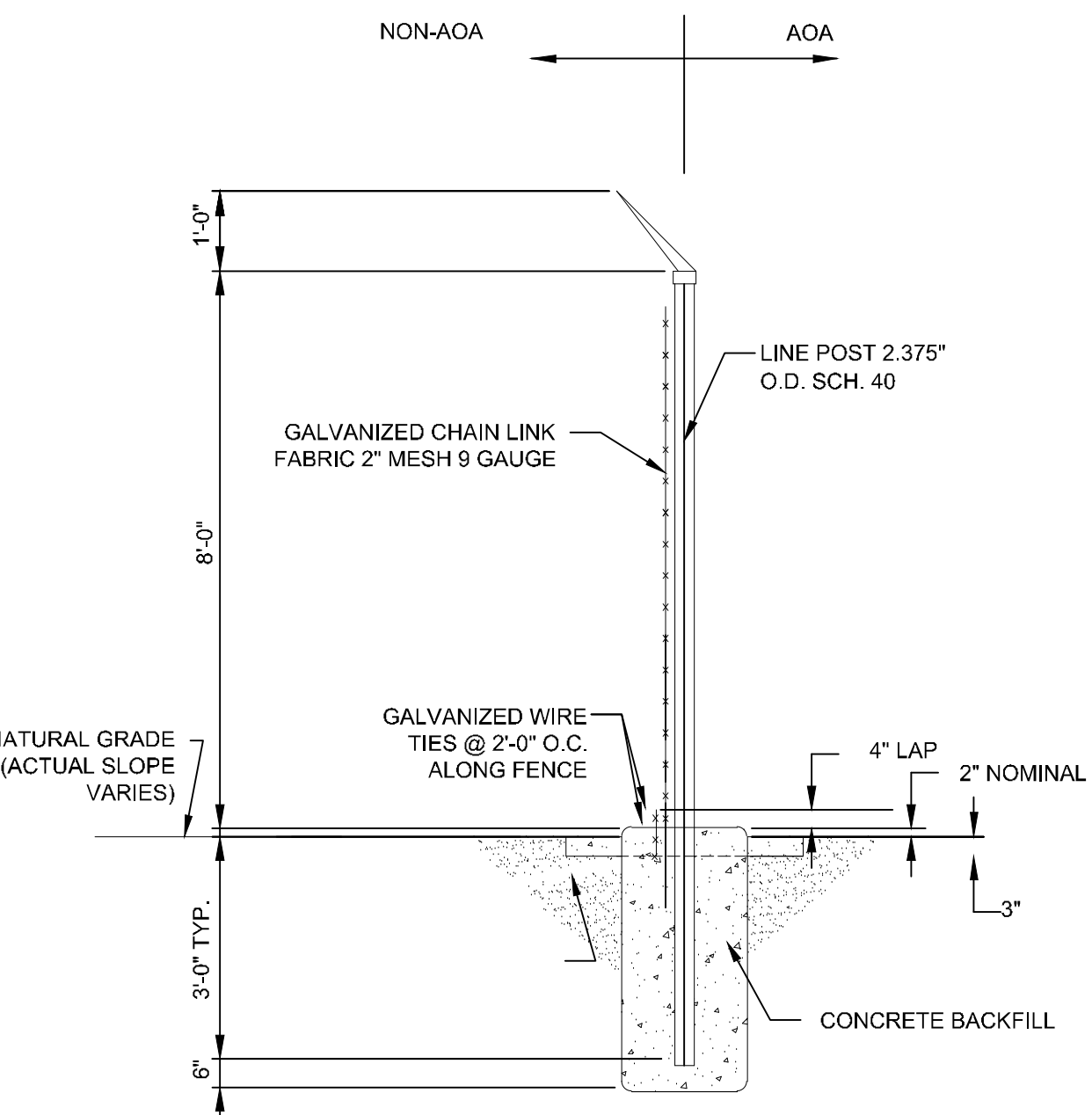
3 DETAIL
NO SCALE
CORNER POST



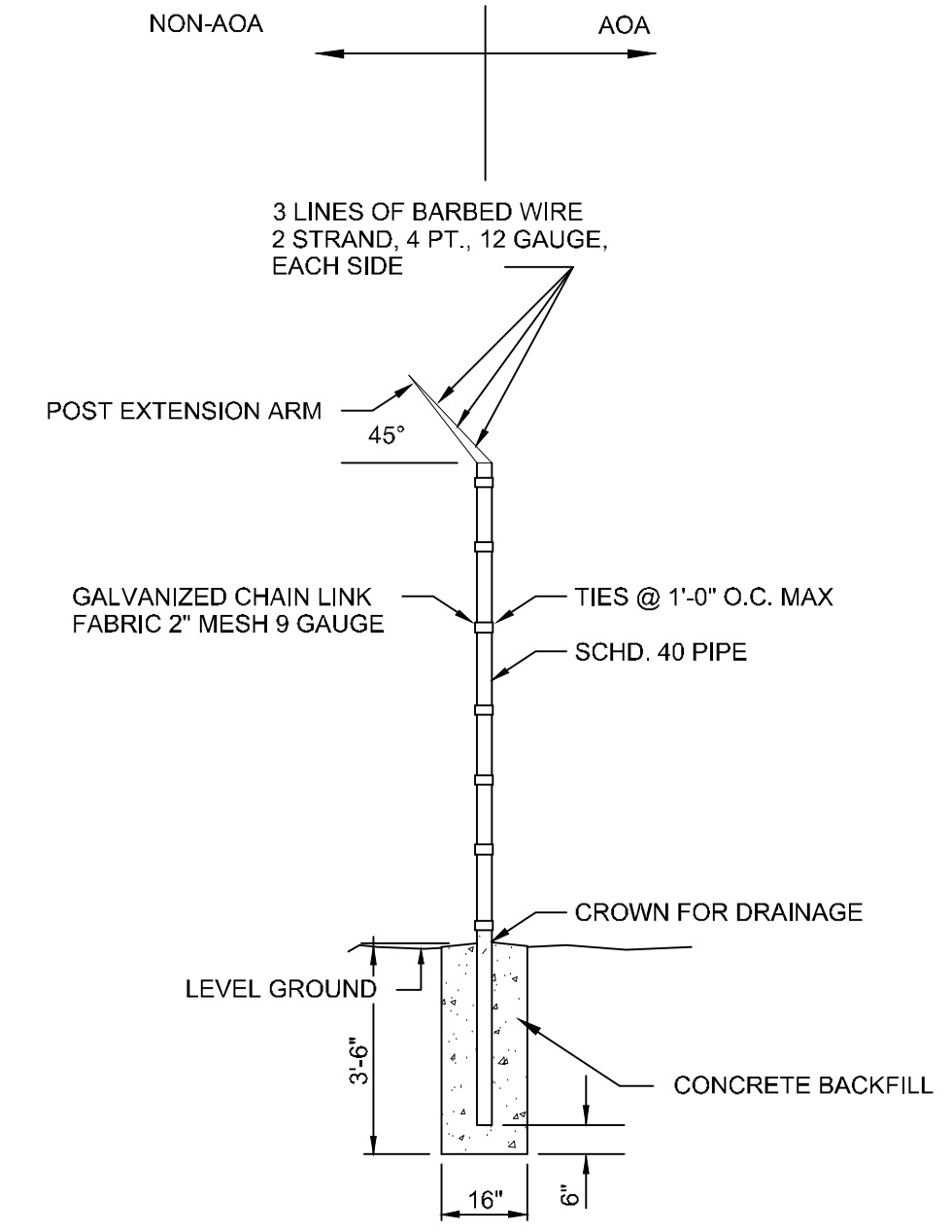
4 DETAIL
NO SCALE
TERMINAL POST



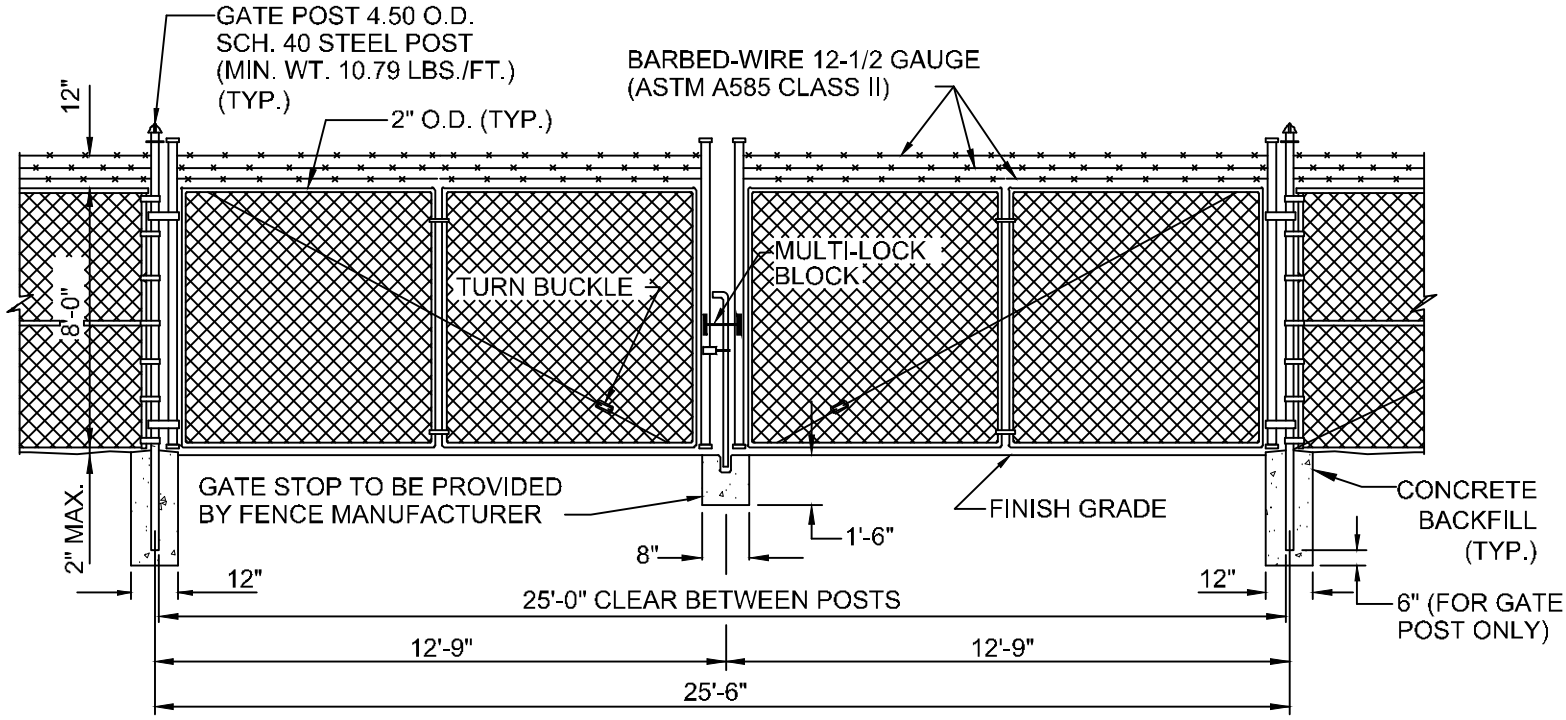
5 DETAIL
NO SCALE
LINE POST



6 DETAIL
NO SCALE
LINE POST

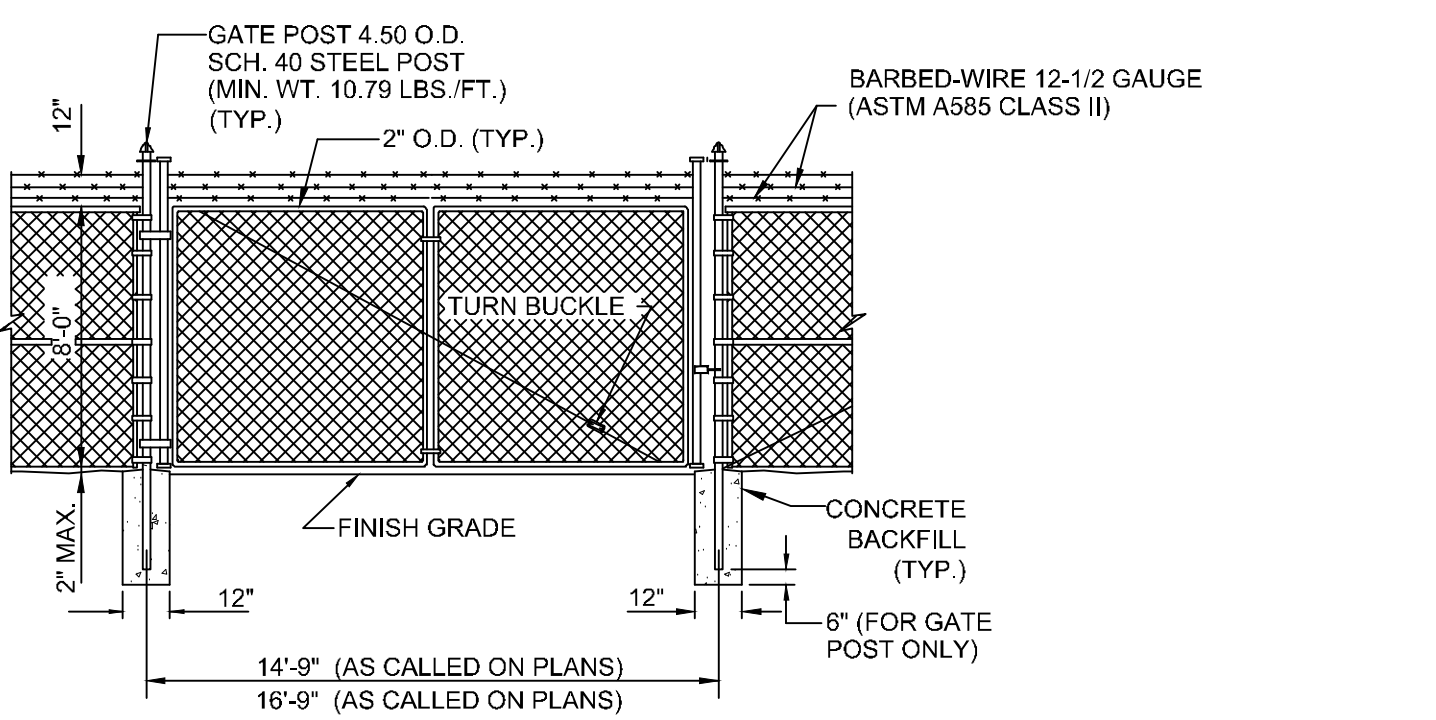


7 DETAIL
NO SCALE
FENCE LINE POST



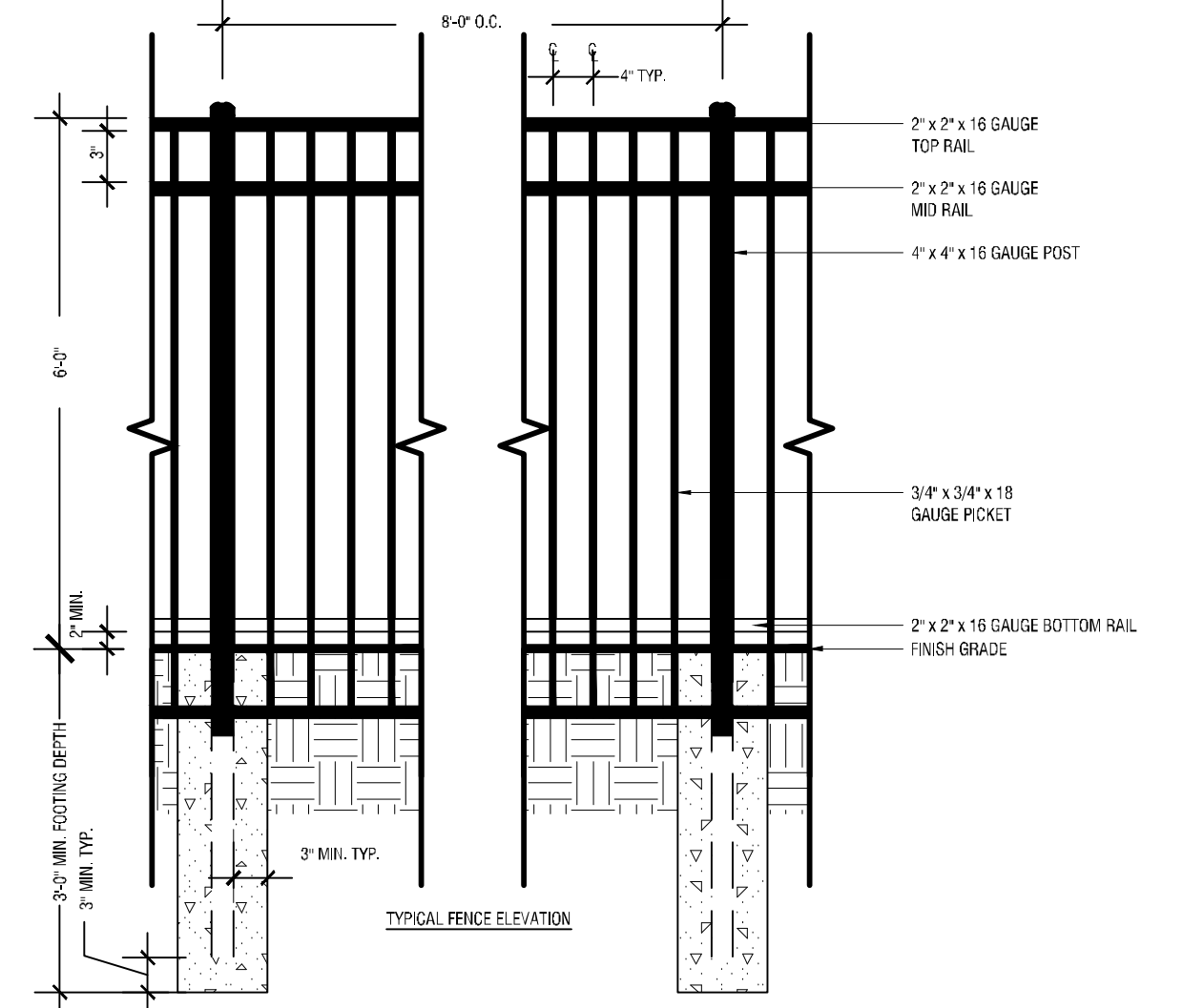
NOTE: BOTTOM OF FENCE TO TOP OF ROAD SURFACE SHALL NOT EXCEED 2". IF SO, CONTRACTOR WILL RE-INSTALL AT HIS COST.

8 DETAIL
NO SCALE
TYPICAL 25' DOUBLE SWING GATE WITH CHAIN LINK FENCE - TYPE II

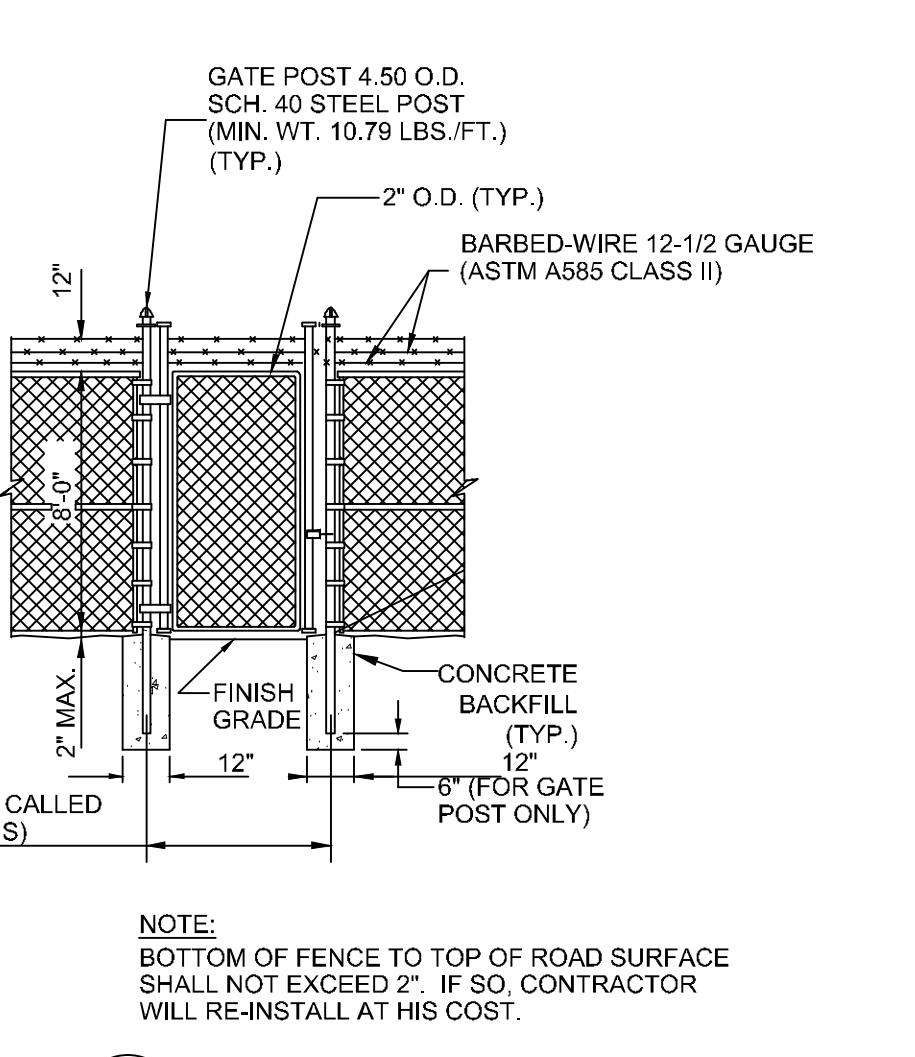


NOTE: BOTTOM OF FENCE TO TOP OF ROAD SURFACE SHALL NOT EXCEED 2". IF SO, CONTRACTOR WILL RE-INSTALL AT HIS COST.

9 DETAIL
NO SCALE
TYPICAL SINGLE SWING GATE WITH CHAIN LINK FENCE - TYPE II



10 DETAIL
NO SCALE
TYPICAL 6' ORNAMENTAL FENCE AND GATE

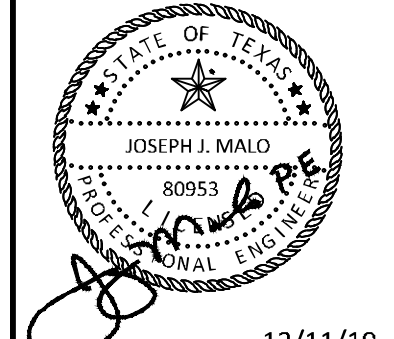


11 DETAIL
NO SCALE
TYPICAL 4' MAN GATE WITH CHAIN LINK FENCE - TYPE II

ADDENDUM #1	ADDENDUM #5	ADDENDUM #6	DATE	BY
1	1	1	09/10/2019	JM
2	2	2	10/24/2019	JM
3	3	3	12/11/2019	JM

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

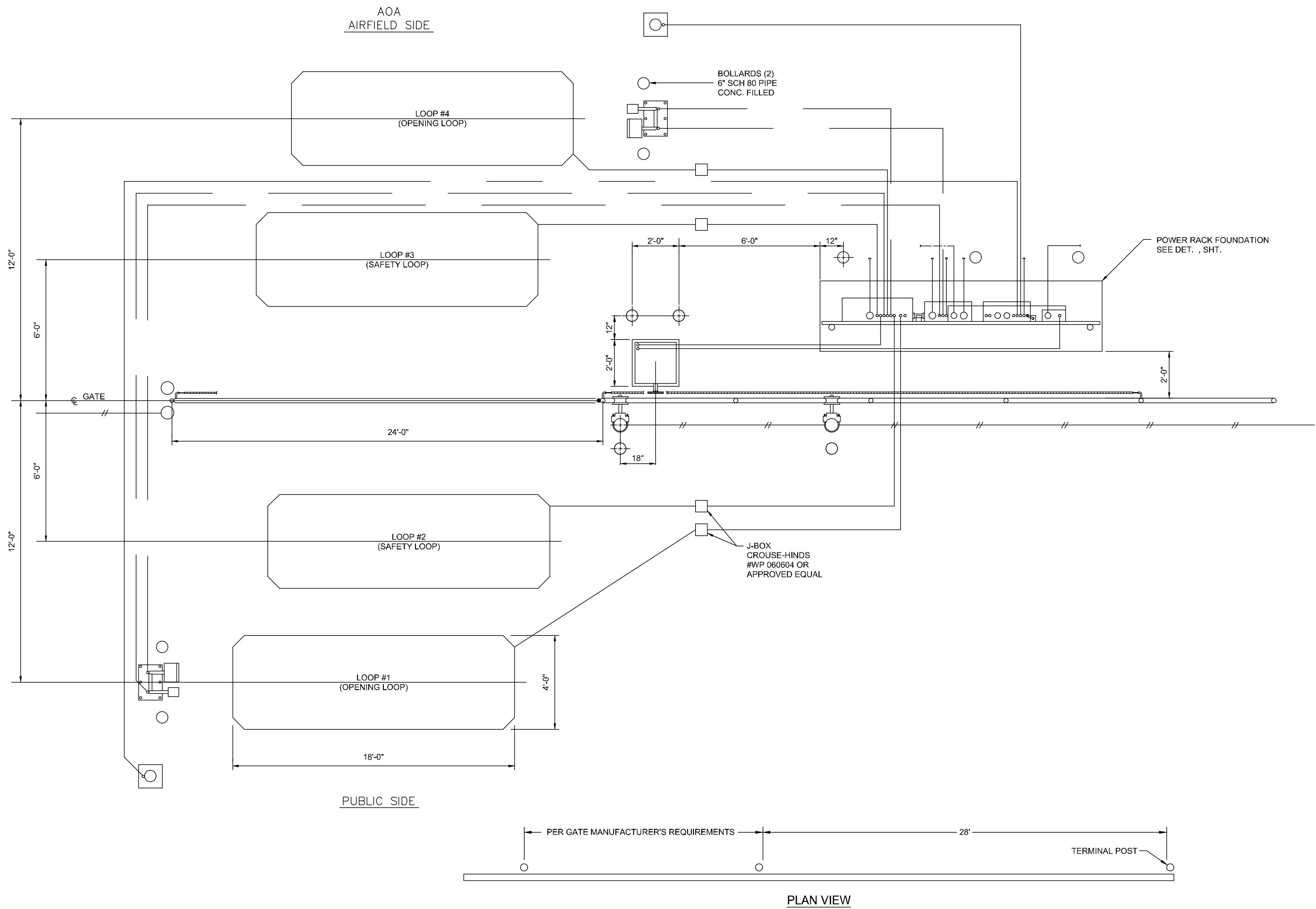
FENCE DETAILS

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

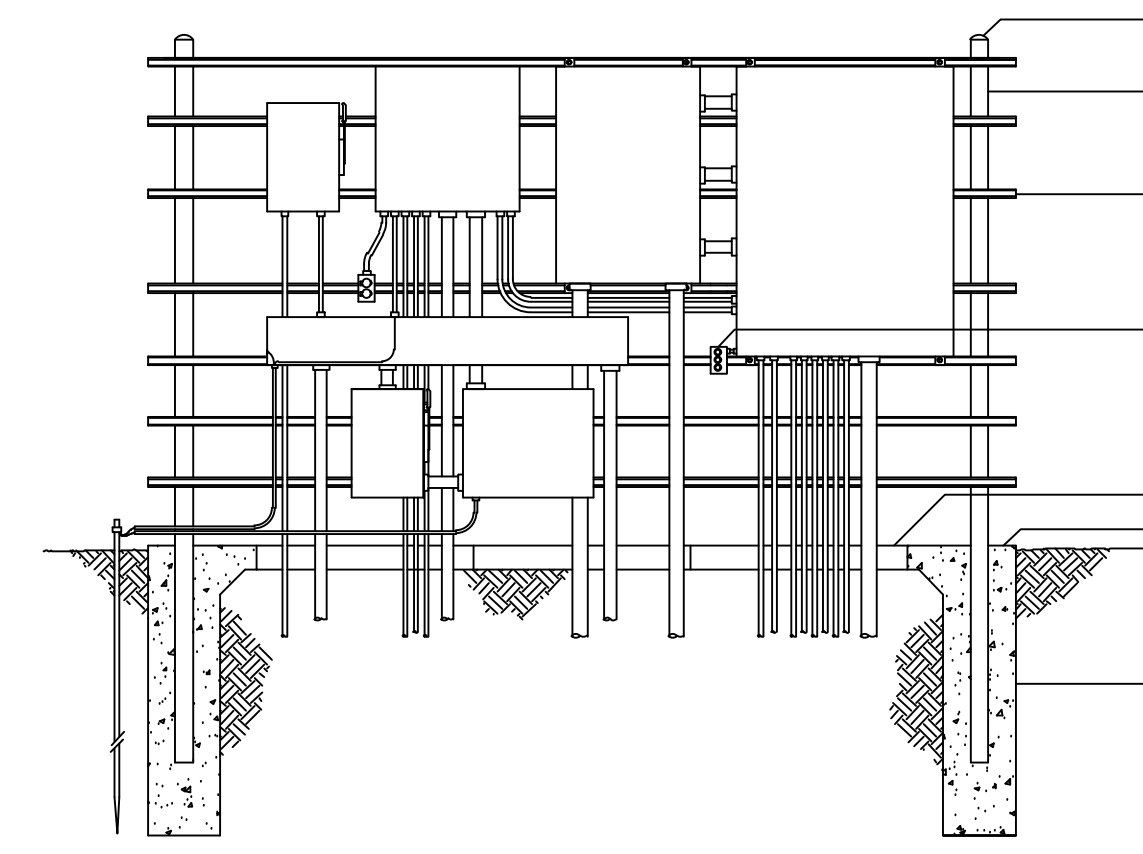
DALLAS, TEXAS

SHEET NUMBER
C17.03

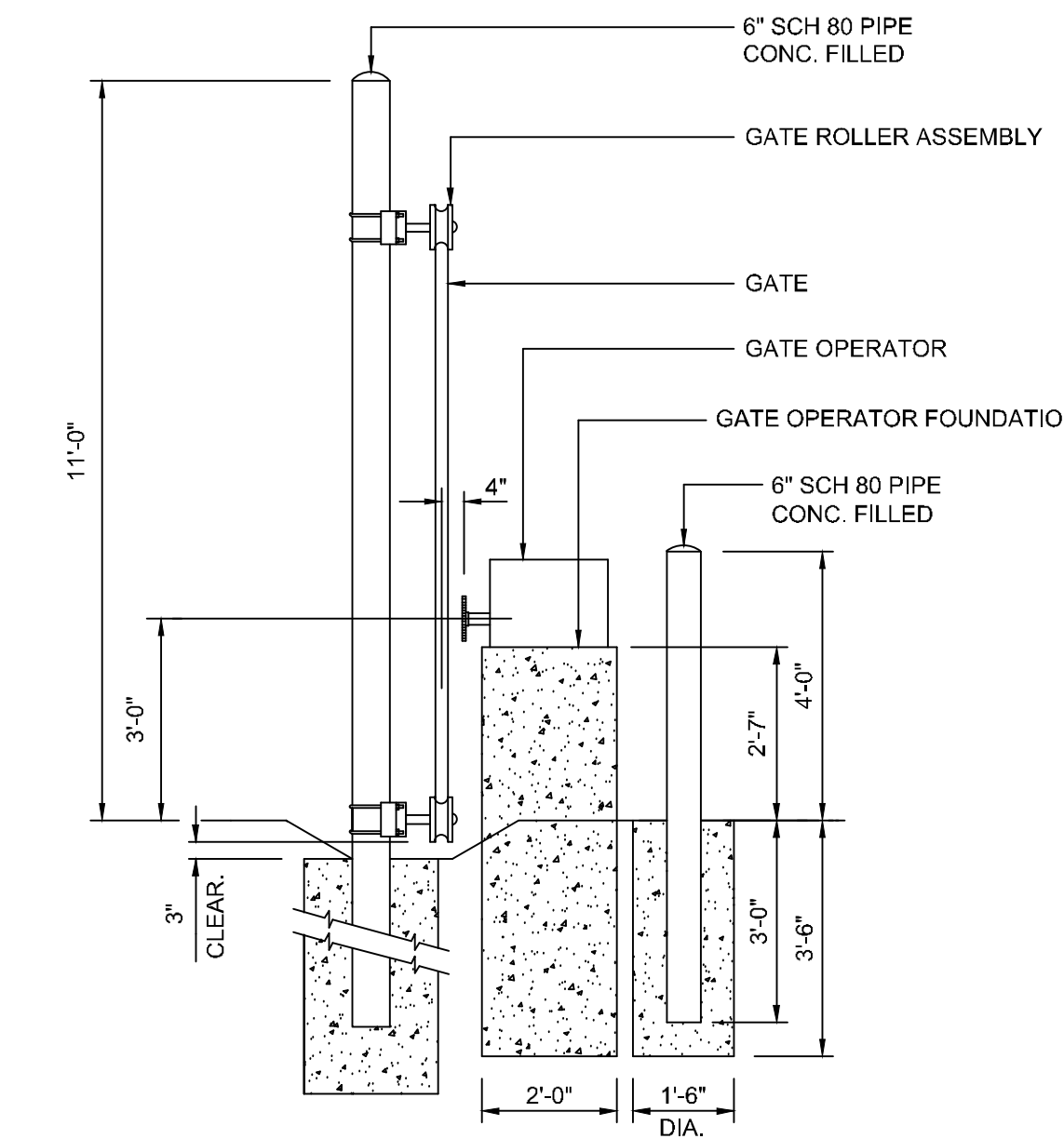
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1 PLAN VIEW
 NO SCALE
 EXIT LOOP SAFETY SENSOR & SLIDING GATE



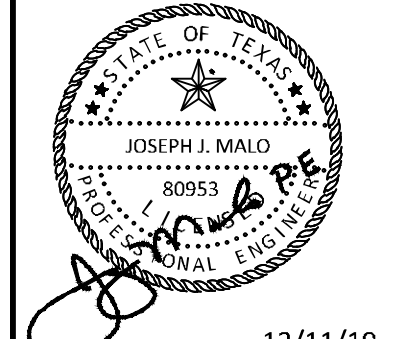
3 DETAIL
 NO SCALE
 POWER RACK FOUNDATION DETAIL
 (SEE MEP FOR ELECTRICAL EQUIPMENT)



2 DETAIL
 NO SCALE
 CANTILEVER SLIDE GATE DETAIL

ADDENDUM #1	ADDENDUM #5	ADDENDUM #6	DATE	BY
1	5	6	09/10/2019	JM
2			10/24/2019	JM
3			12/11/2019	JM

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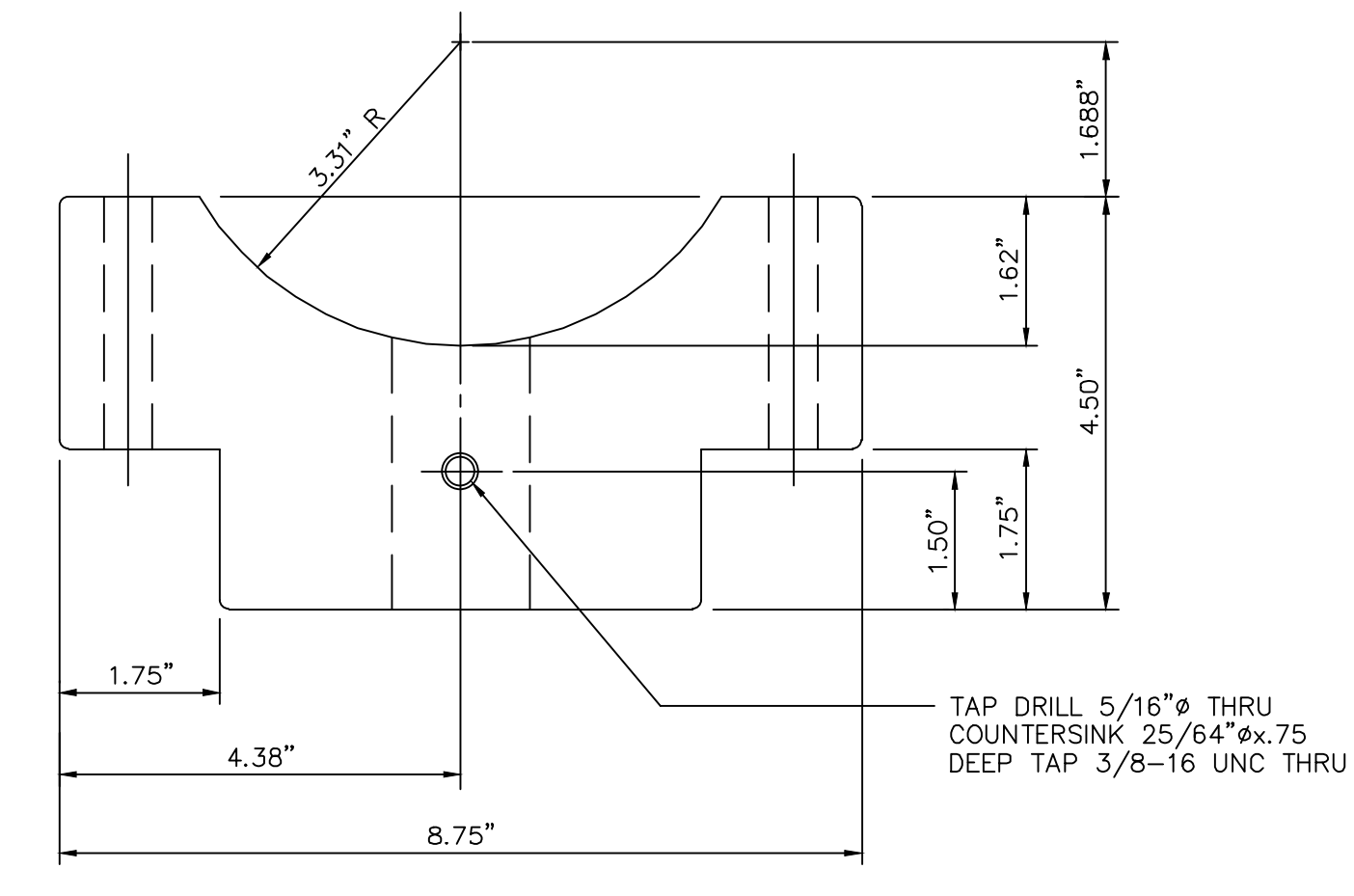
KHA PROJECT	067792503
DATE	12/11/2019
SCALE	AS SHOWN
DESIGNED BY	HCV
DRAWN BY	EC EAC
CHECKED BY	HCV

FENCE DETAILS

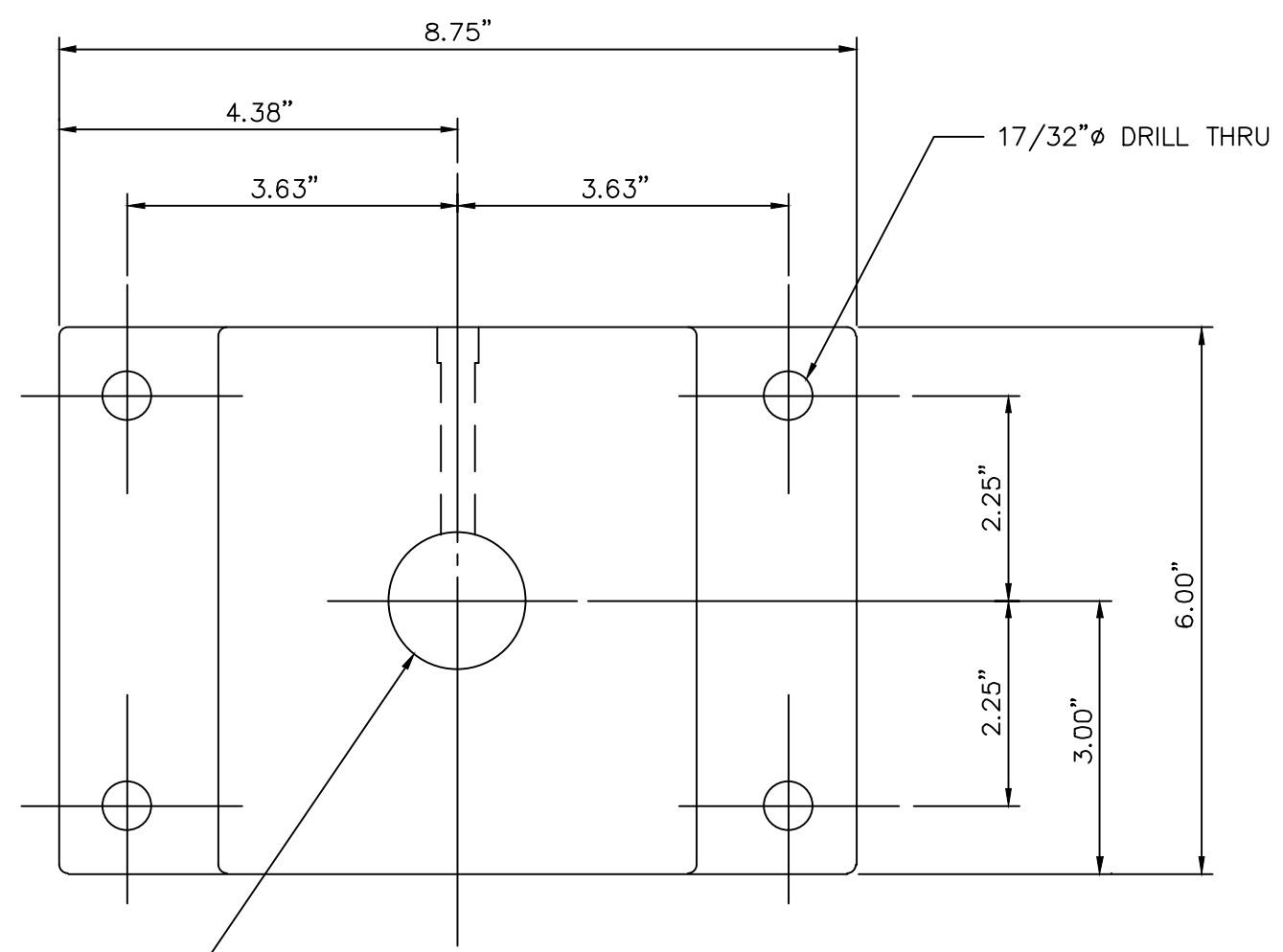
ADDISON GALAXY FBO
 15601 ADDISON RD.
 PREPARED FOR
BLACK FOREST VENTURE
 ADDISON DALLAS, TEXAS

SHEET NUMBER
C17.04

Plotted By: Lanier, Morgan Street Set: KHA Layout: C17.05 December 12, 2019 06:01:33pm K:\WD\Avidon\067792503 - Addison Galaxy FBO\ACAD\Draw Sheets\C17.00 FENCE DETAILS.dwg
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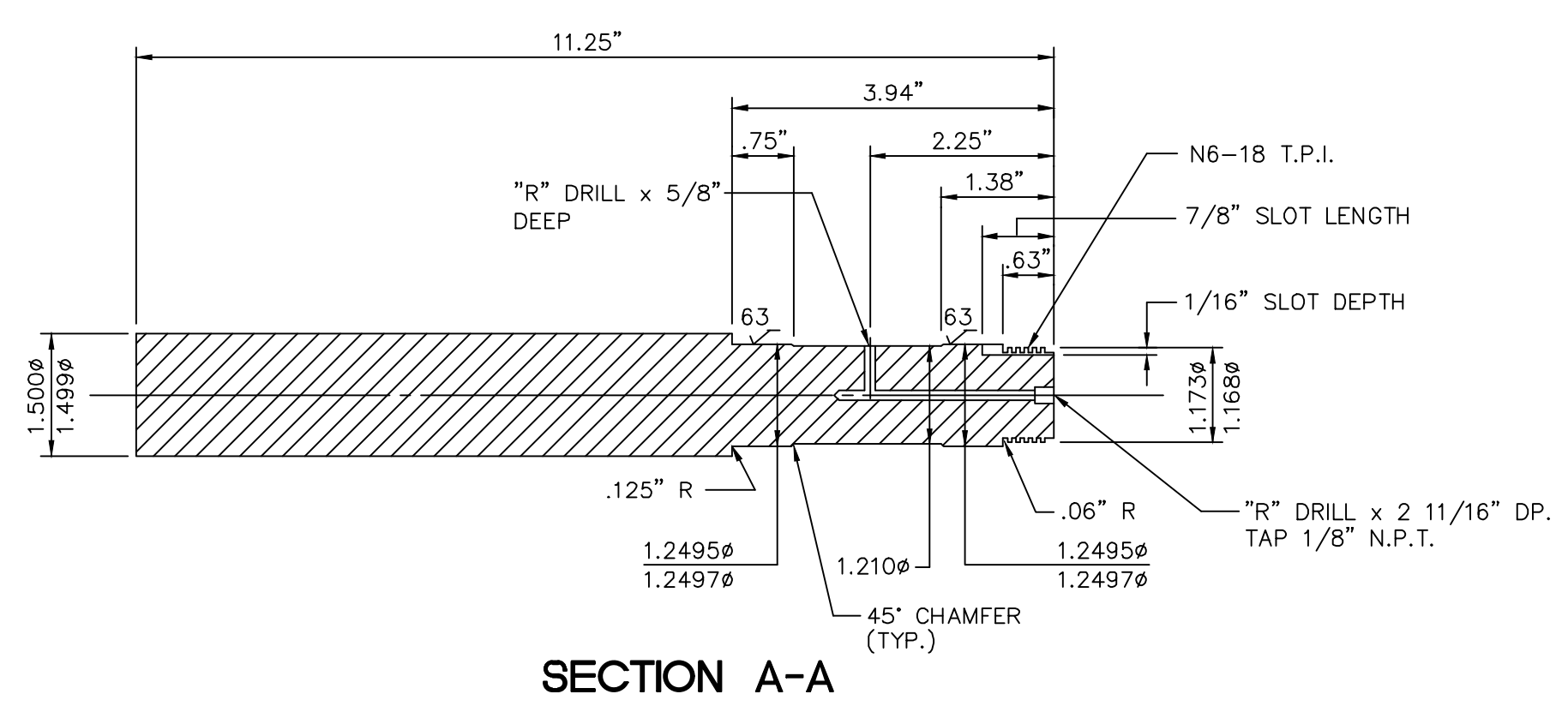


TOP VIEW

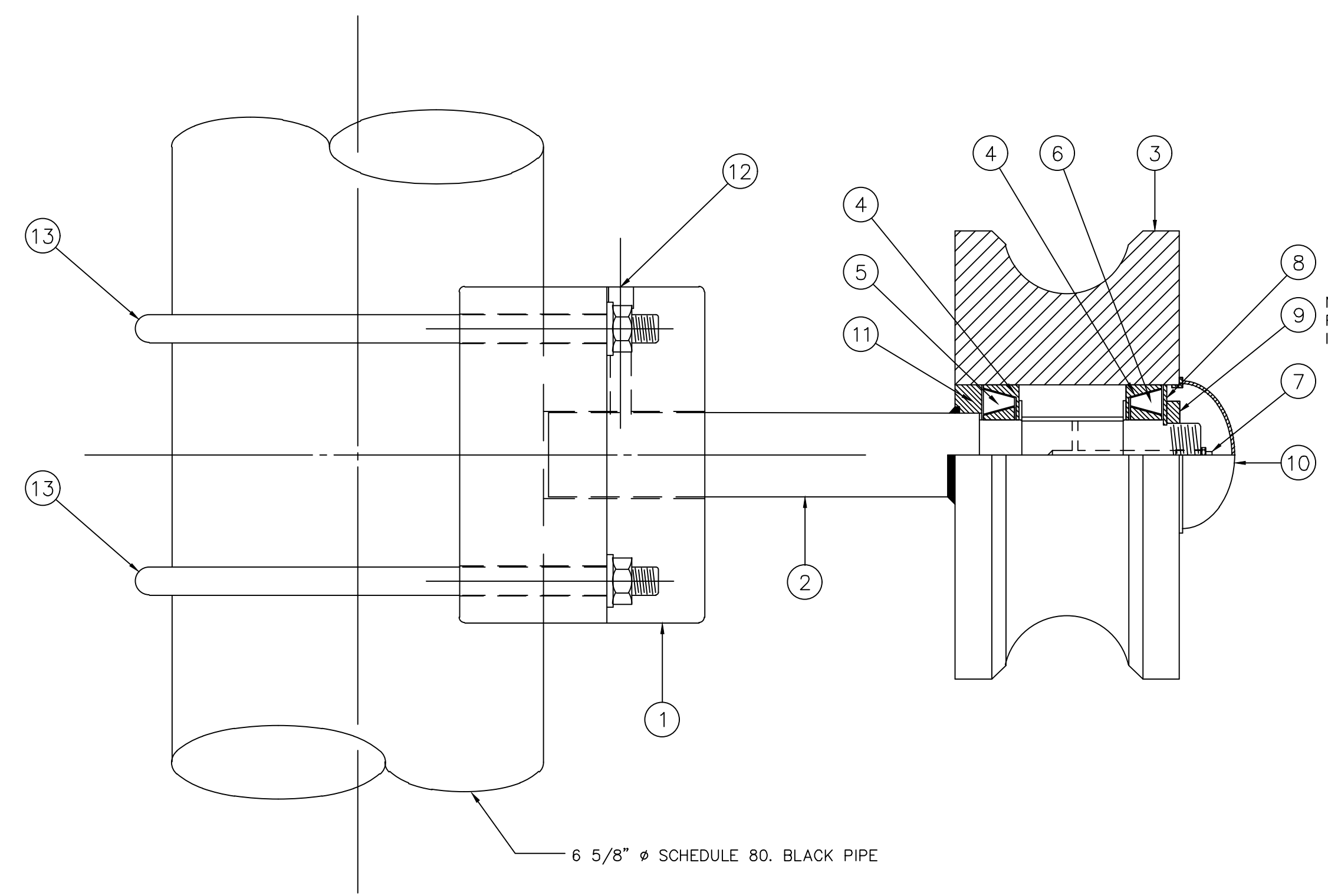


BACK VIEW

1 MOUNTING BRACKET DETAIL



SECTION A-A

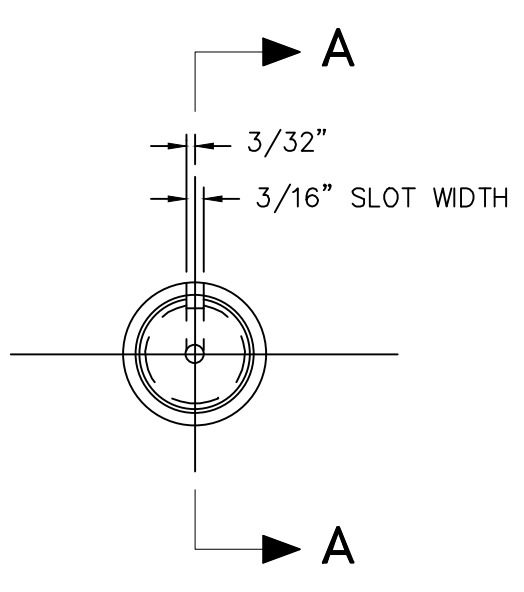


ROLLER ASSEMBLY

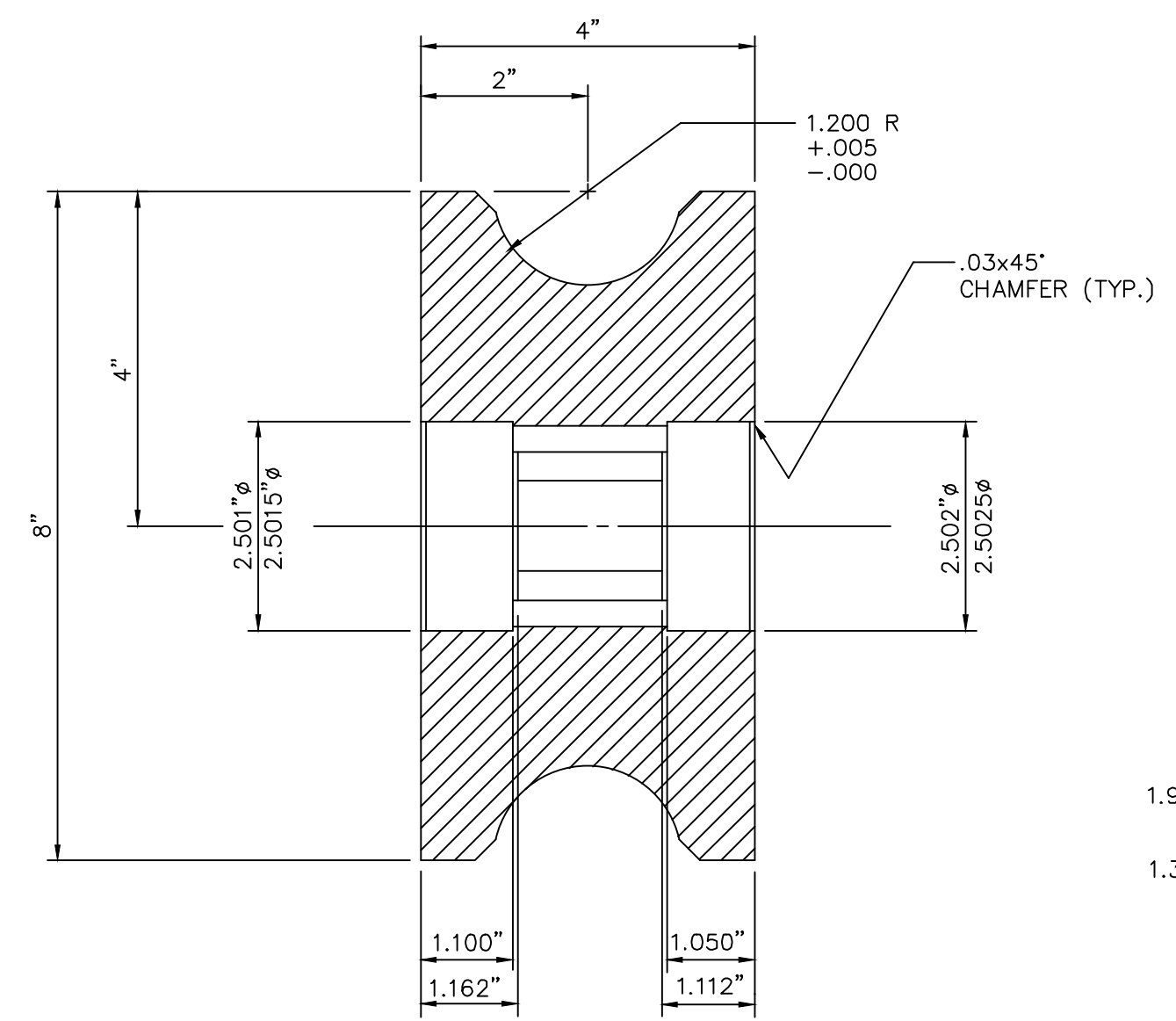
NOTE:
FLAT SIDE OF NUT
IS TO FACE WASHER

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

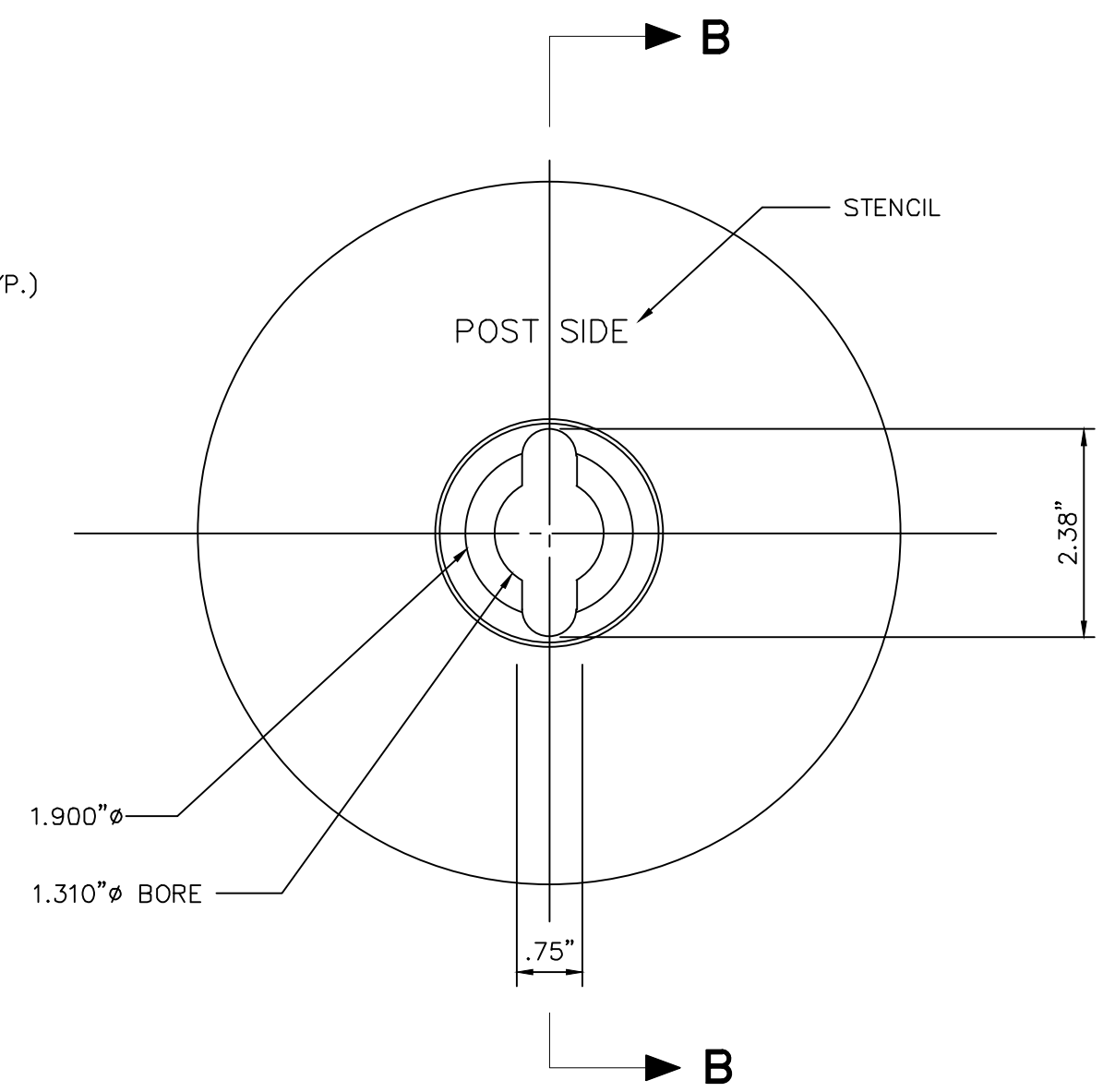
- NOTES:
- MACHINE:
PRIOR TO SHIPMENT, TIGHTEN LOCKNUT TO 50 FT. LBS.
"DO NOT BEND LOCK TAB"
 - INSTALLER:
PRIOR TO OPERATING ROLLER LOOSEN LOCKNUT
RE-TORQUE WHILE TURNING BY HAND TO 30 FT. LBS.
NOTE POSITION OF NUT AND BACK OFF 135°, SECURE
NUT WITH LOCK TAB.



2 AXLE DETAIL



SECTION B-B

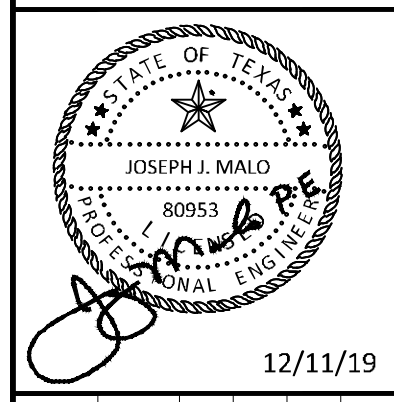


3 WHEEL DETAIL

ADDENDUM #1	DATE	BY
1	09/10/2019	JM
2	10/24/2019	JM
3	12/11/2019	JM

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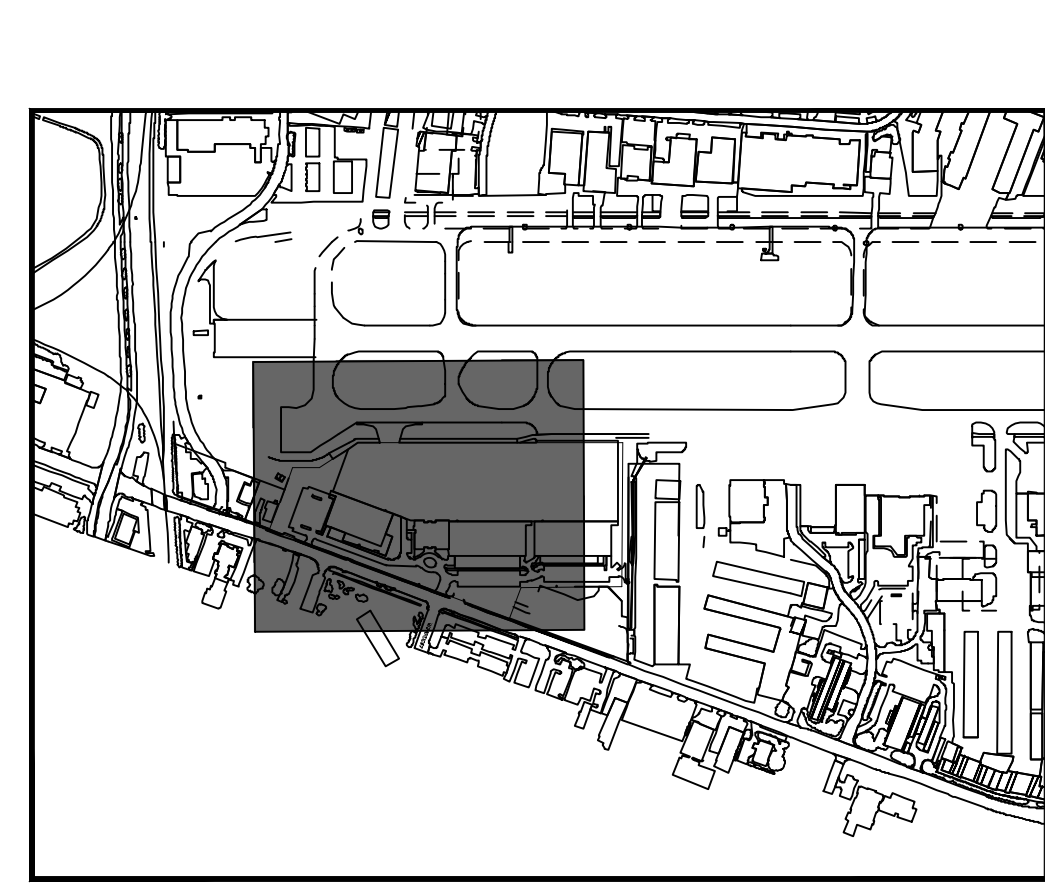
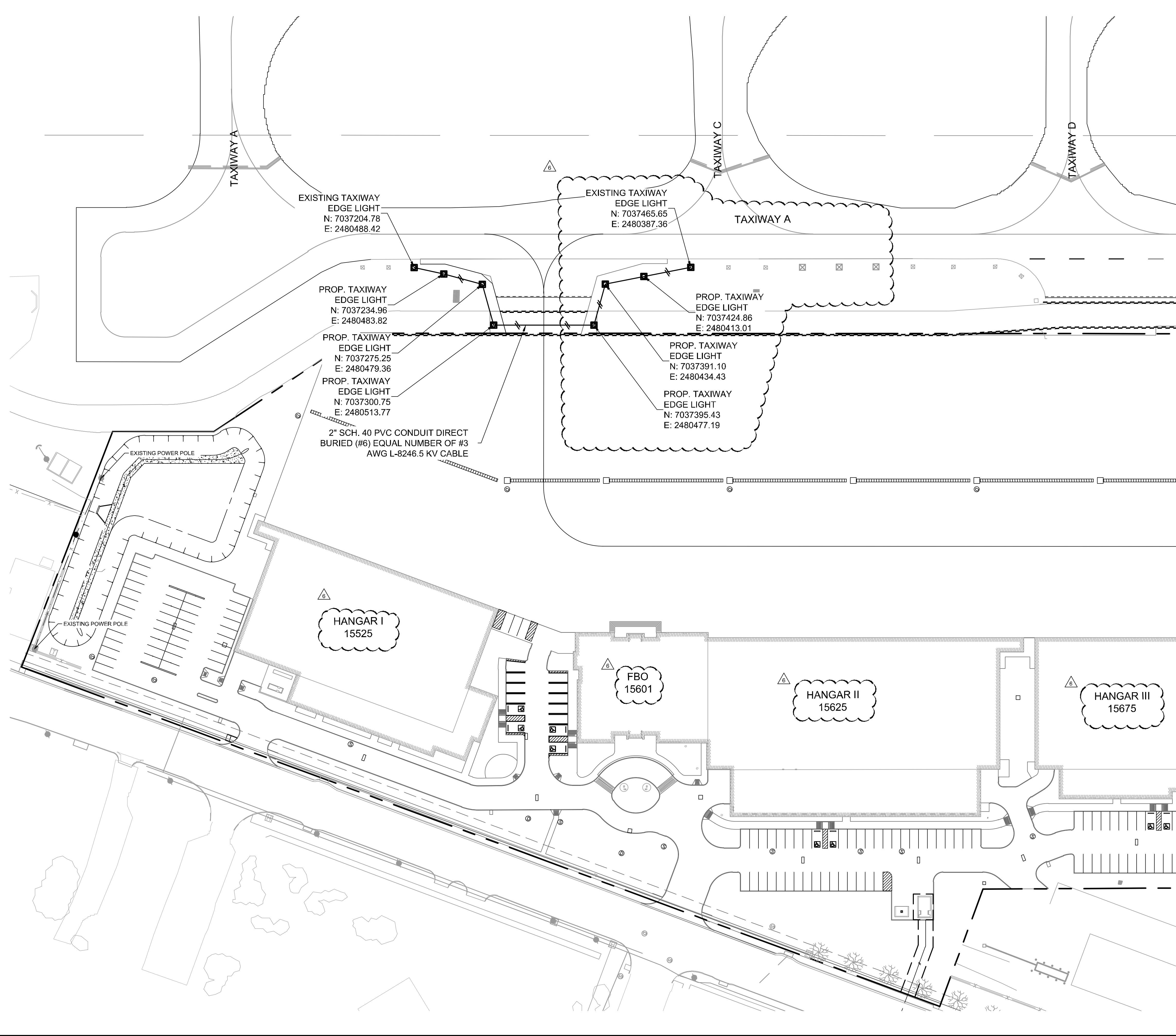
KHA PROJECT	DATE	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY
067792503	12/11/2019	AS SHOWN	HCV	EAC	HCV

FENCE DETAILS

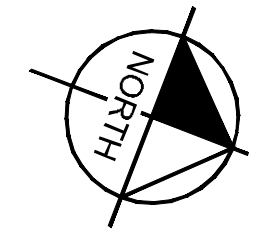
ADDISON GALAXY FBO
 15601 ADDISON RD.
 PREPARED FOR
 BLACK FOREST VENTURE

DALLAS, TEXAS

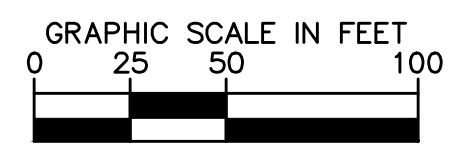
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KEY PLAN



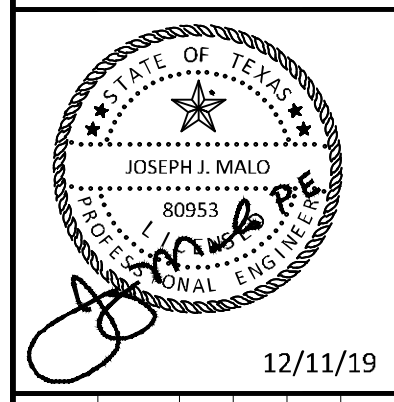
- LEGEND**
- EXISTING TAXIWAY EDGE LIGHT
 - L-861 (T) - TAXIWAY EDGE LIGHT (CONTRACTOR TO COORDINATE WITH AIRPORT MAINTENANCE FACILITY FOR GLOBE COLOR)
 - 2" SCH. 40 PVC CONDUIT DIRECT BURIED (#6) Ticks EQUAL NUMBER OF #3 AWG L-8246.5 KV CABLE



ADDENDUM #1	ADDENDUM #5	ADDENDUM #6	DATE	BY
1			09/10/2019	JM
2			10/24/2019	JM
3			12/11/2019	JM

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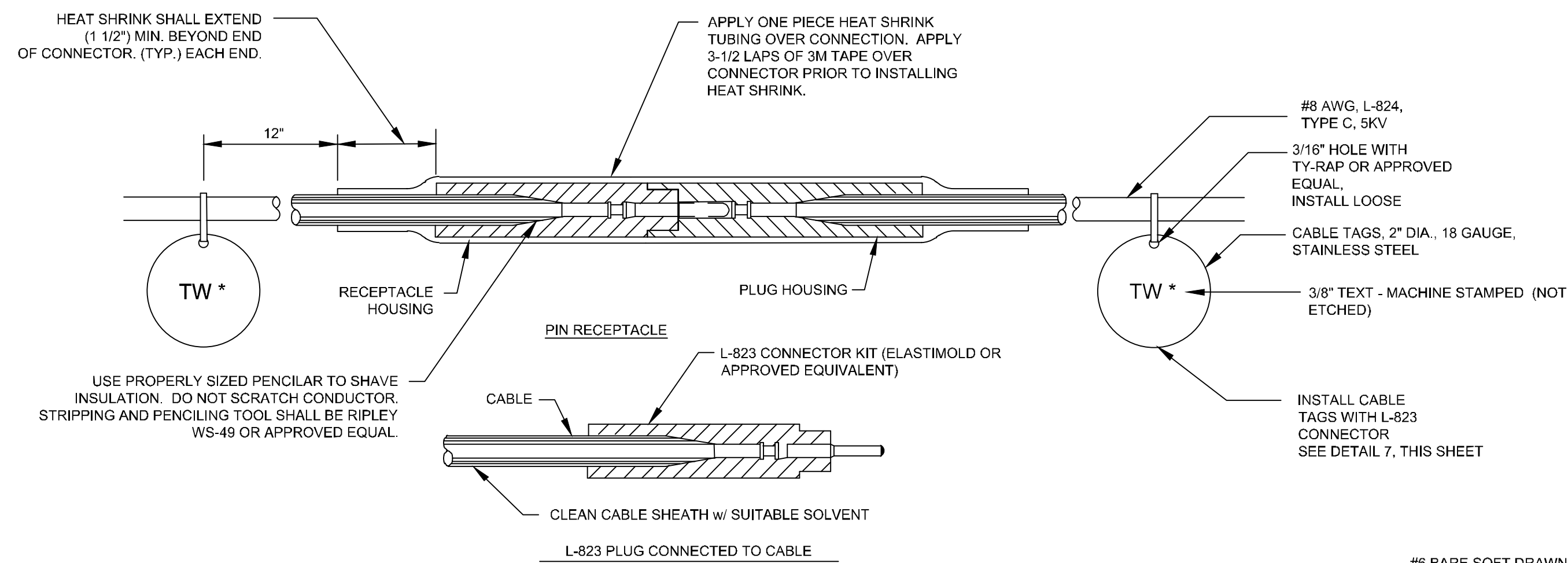
KHA PROJECT	067792503
DATE	12/11/2019
SCALE	AS SHOWN
DESIGNED BY	HCV
DRAWN BY	EC EAC
CHECKED BY	HCV

TAXIWAY EDGE LIGHTS PLAN

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

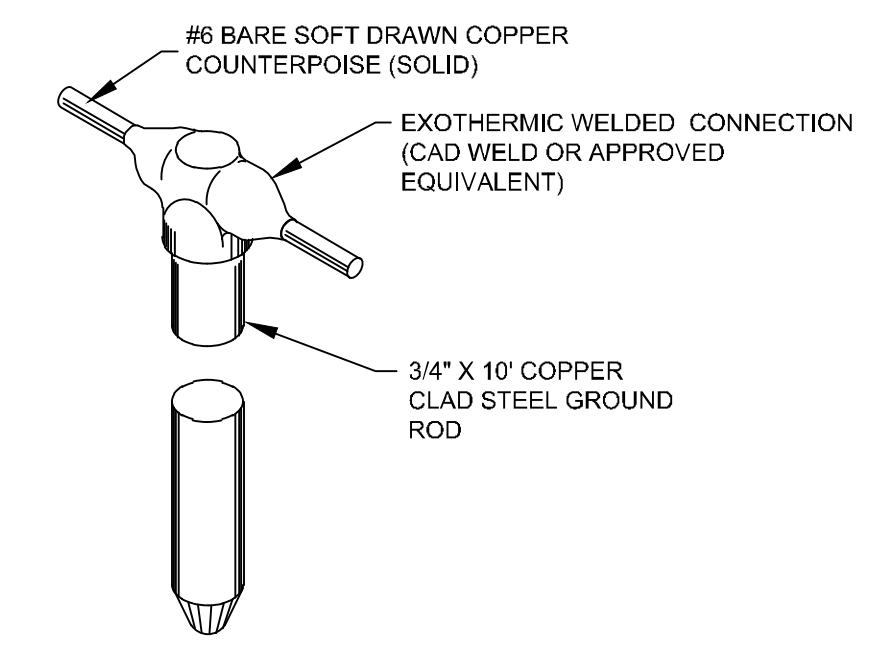
ADDISON DALLAS, TEXAS

Plotted By: Lamiar, Morgan Street Set: Kha Layout: C18.02 December 12, 2019 06:02:11pm K:\V\Addison\067792503 - Addison Galaxy FBO\ACAD\dwg\Sheets\C18.00 ELECTRICAL\DETAILS.dwg
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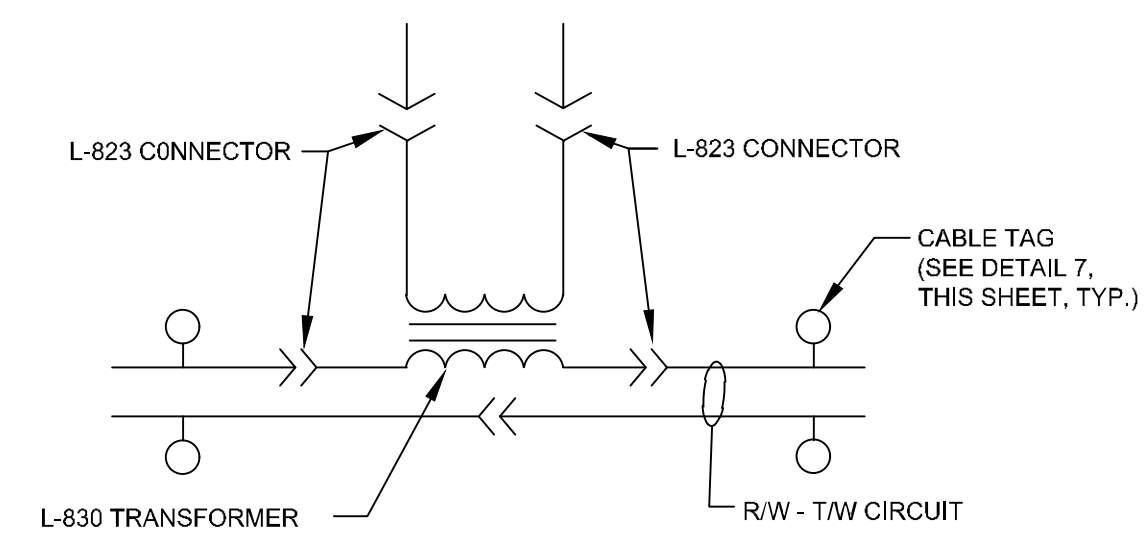
1 TYPICAL L-824 CABLE SPLICE AND CONNECTOR DETAIL
NTS

- PLUG CONNECTOR NOTES:**
- CONTRACTOR SHALL PROVIDE CABLE CIRCUIT IDENTIFICATION MARKERS ATTACHED TO BOTH SIDES OF EACH CABLE CONNECTION.
 - CABLE IDENTIFICATION MARKERS SHALL BE CABLE TAGS WITH TY-RAP TIES, MANUFACTURED BY THOMAS & BETTS, OR APPROVED EQUIVALENT.
 - CONTRACTOR SHALL PROVIDE CABLE CIRCUIT IDENTIFICATION MARKERS ATTACHED TO BOTH SIDES OF EACH CABLE CONNECTION.
 - CONTRACTOR SHALL USE HEAT SHRINK TUBING. DIRECT FLAME HEATING OF TUBING WILL NOT BE ALLOWED UNLESS APPROVED BY THE MANUFACTURER.
 - HEAT SOURCE FOR APPLICATION OF HEAT SHRINK SHALL BE A HEAT GUN. USE CARE NOT TO OVERHEAT THE HEAT SHRINK.
 - THE HEAT SHRINK TUBING SHALL BE FACTORY PRESOAKED WITH SEALANT. HEAT SHRINK SHALL BE MANUFACTURED BY 3M, INC., OR APPROVED EQUAL.
 - THE CABLE SHALL BE THOROUGHLY CLEANED PRIOR TO THE INSTALLATION OF THE L-823 CONNECTOR KIT.
 - 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.
 - ATTACH EACH CABLE TIE ENOUGH TO HOLD IN PLACE WITHOUT COMPRESSING HOUSING. TRIM OFF EXCESS CABLE TIE.
 - INSTALLATION OF L-823 AND HEAT SHRINK TUBING SHALL BE IN STRICT CONFORMANCE WITH MANUFACTURER'S REQUIREMENTS.

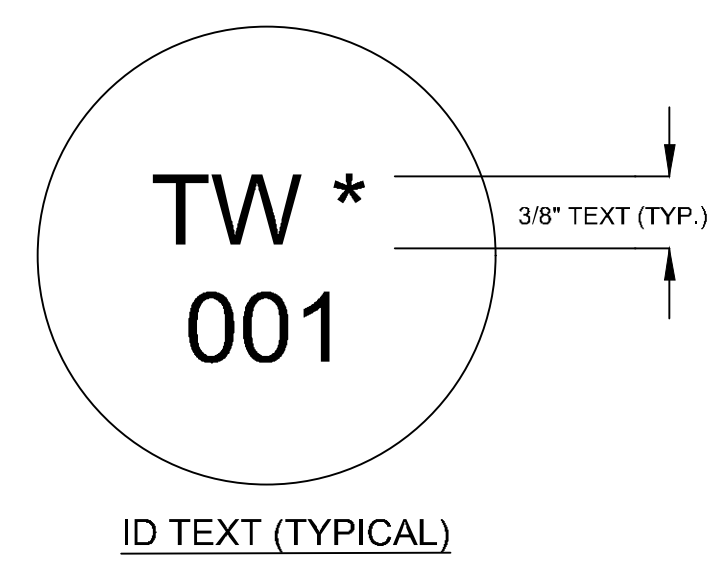


2 COUNTERPOISE TEE CONNECTION
NTS

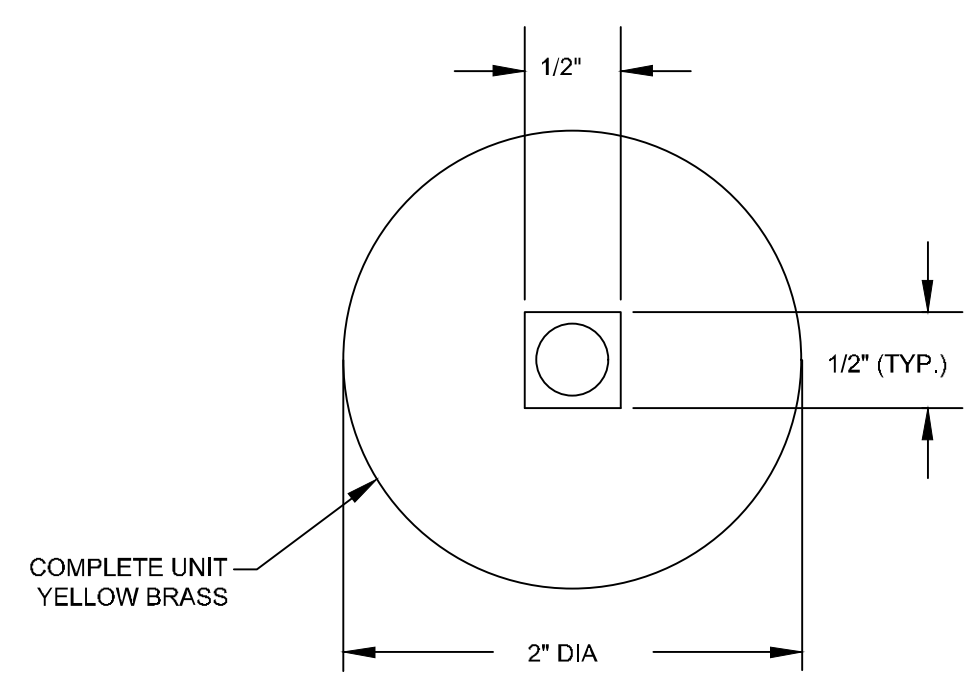
NOTE: GROUND RODS FOR COUNTERPOISE SYSTEM SHALL BE INSTALLED NOT MORE THAN 500 FEET APART.



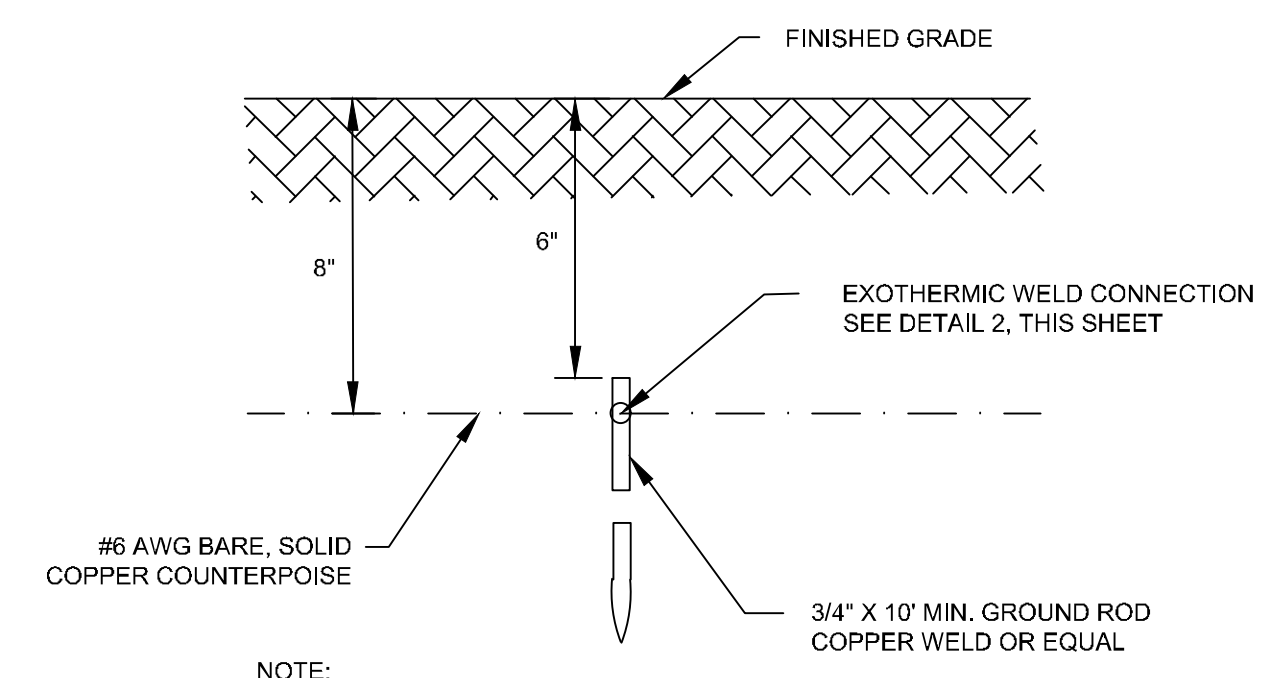
3 LIGHTING CONNECTION SCHEMATIC
NTS



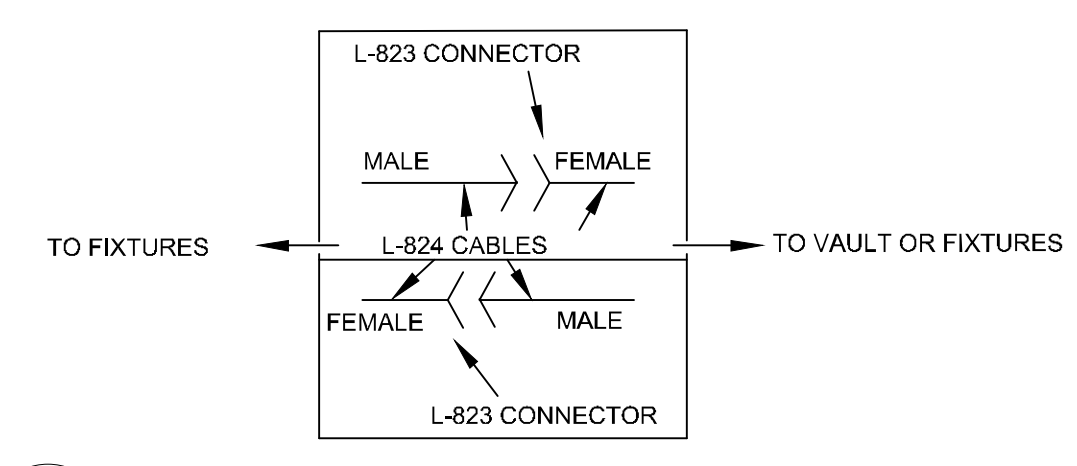
5 LIGHTING AND SIGN IDENTIFICATION MARKER
NTS



6 GROUND ROD DETAIL
NTS



7 TYPICAL L-824 CABLE ID TAG
NTS

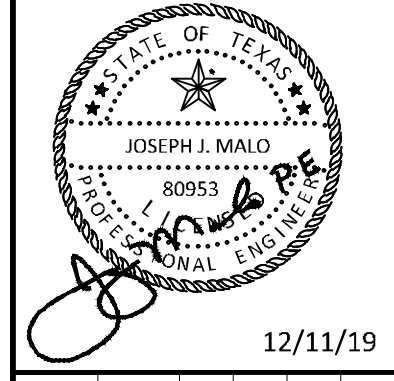


4 TYPICAL L-823 CONNECTOR SCHEMATIC
NTS

ADDENDUM #1	ADDENDUM #5	ADDENDUM #6	DATE	BY
1	5	6	09/10/2019	JM
2			10/24/2019	JM
3			12/11/2019	JM

Kimley-Horn

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 1400 WOODLICK FOREST DRIVE, SUITE 225
 ADDISON, TX 75001
 PHONE: 281-475-2816
 TBP# FIRM REGISTRATION F-928
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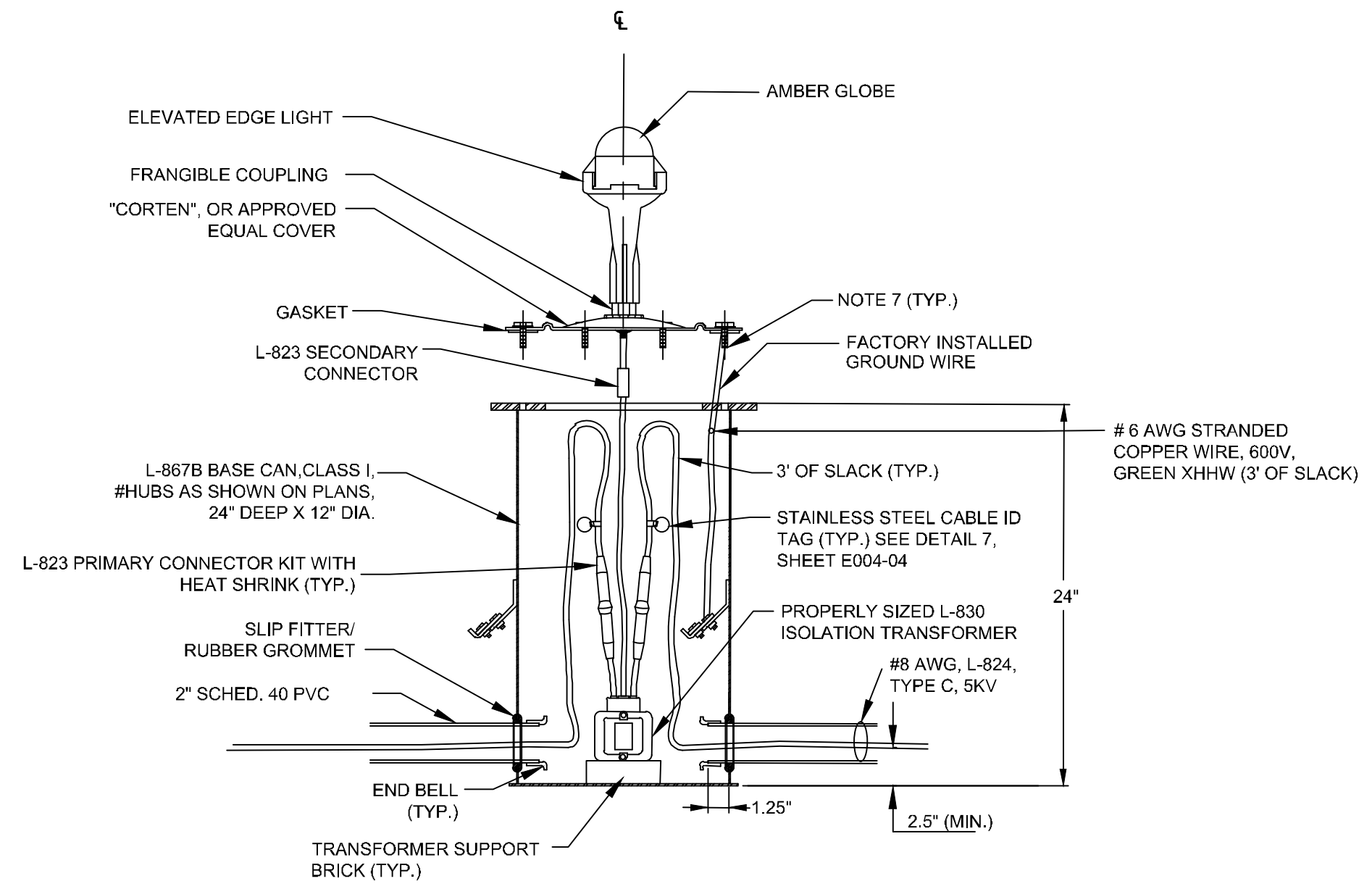


KHA PROJECT	067792503
DATE	12/11/2019
SCALE	AS SHOWN
DESIGNED BY	HCV
DRAWN BY	EC
CHECKED BY	HCV

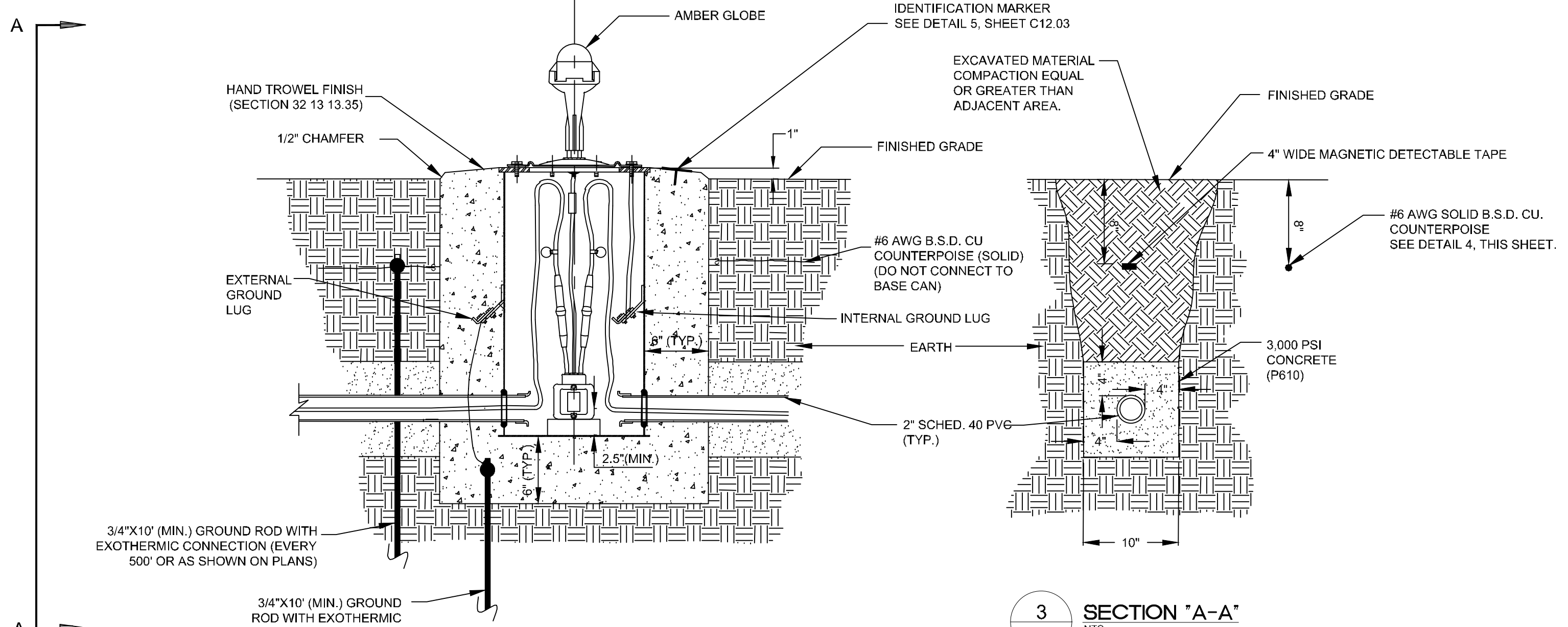
ELECTRICAL DETAILS

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

Plotted By: Lamiar, Morgan Street: Sct: Kto Layout: C18.03 December 12, 2019 06:02:14pm K:\VPL\Addison\067792503 - Addison Galaxy FBO\ACAD\Draw\Sheets\C18.00 ELECTRICAL-DETAILS.dwg
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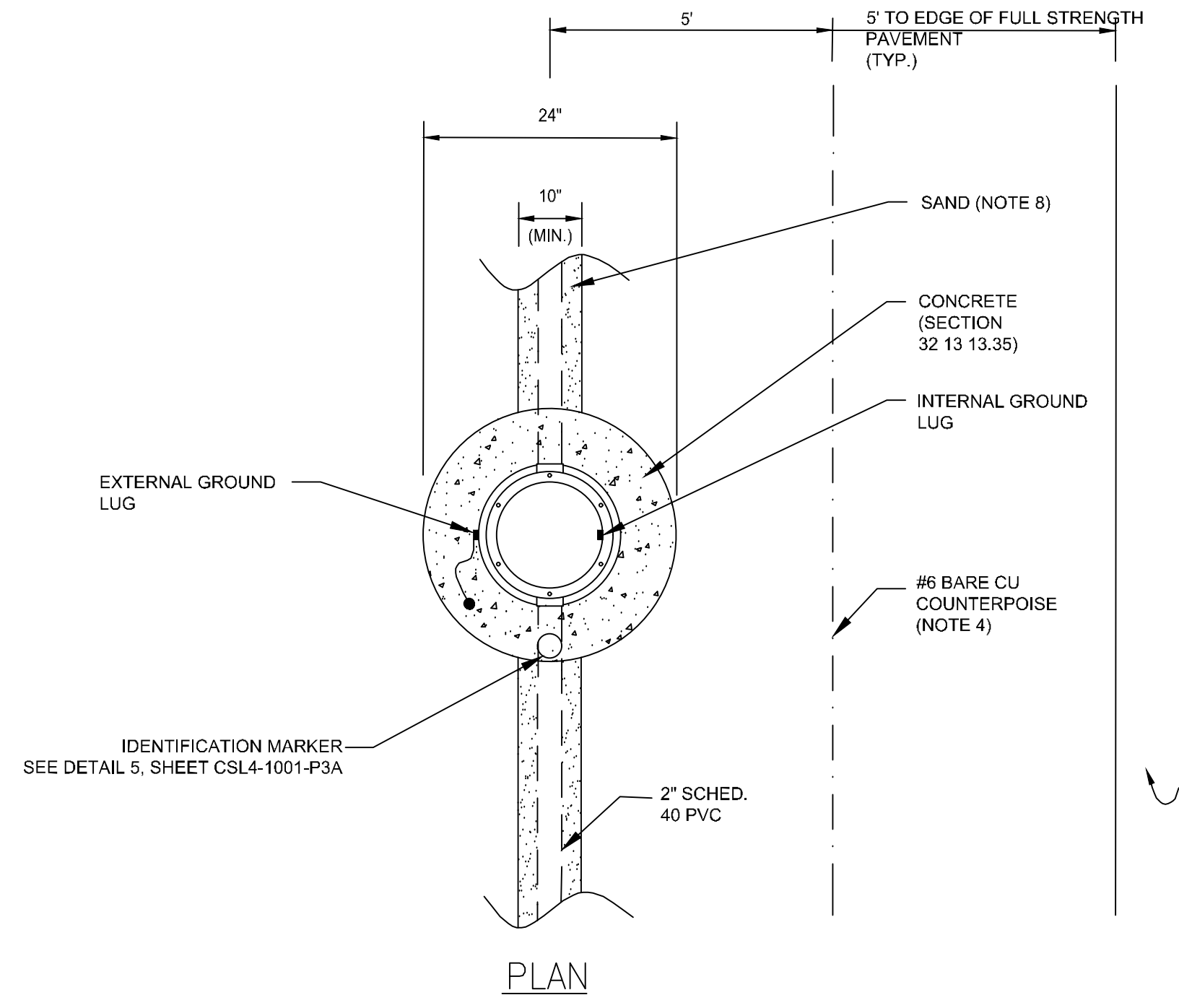


1 TYPICAL ELEVATED EDGE LIGHT MATERIALS
NTS

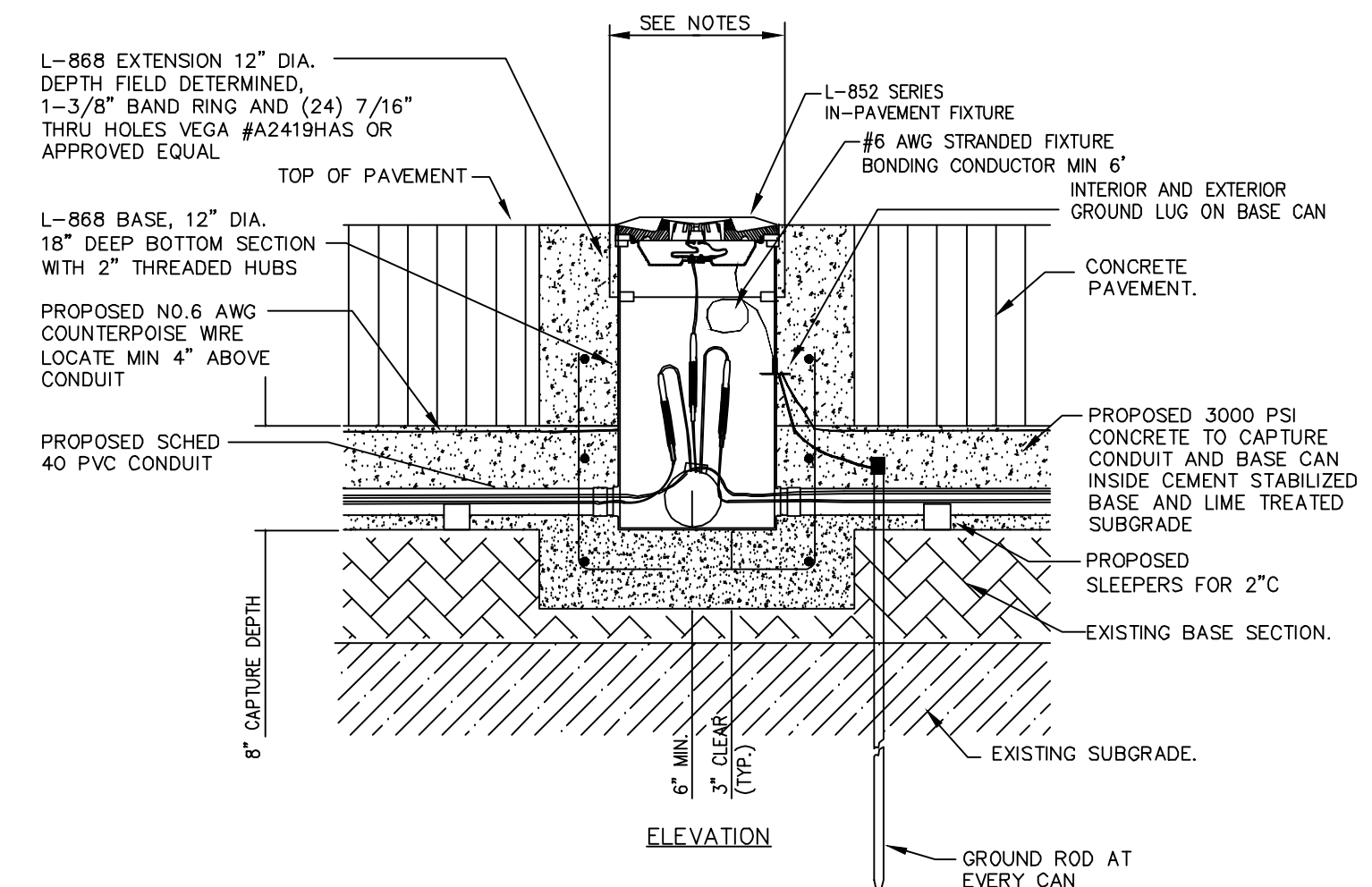


2 ELEVATED EDGE LIGHT INSTALLED TURFED SHOULDER: PROFILE VIEW
NTS

- ELEVATED FIXTURE NOTES:**
- THE ELEVATED EDGE LIGHTS SHALL BE 14" HIGH UNLESS NOTED OTHERWISE IN THE CONTRACT DOCUMENTS.
 - 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.
 - 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.
 - 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.
 - 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.
 - 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 SHOULD OUT BEFORE THE FIXTURE IS SECURELY TIGHTENED.
 - 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.
 - 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.
 - 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.
 - 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.
 - L-823 CONNECTORS SHALL BE INSTALLED ON ALL CABLES, IN EACH MANHOLE, BASE CAN, OR OTHER ACCESSIBLE LOCATIONS.



3 SECTION 'A-A'
NTS



5 NEW TAXIWAY IN-PVMT EDGE LIGHT IN NEW PAVEMENT DETAIL
NTS

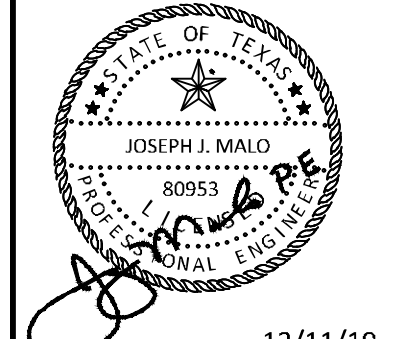
- NEW TAXIWAY IN PAVEMENT EDGE LIGHT INSTALLATION GUIDELINES**
- PREPARE A CAPTURE SECTION FOR A NEW BASE, 24" DIAMETER TO A MINIMUM DEPTH OF 28" BELOW GRADE.
 - PROVIDE A CONDUIT TRENCH FOLLOWING DETAILS AND PLANS FOR NEW 2" PVC CONDUIT PLACEMENT INTO EXISTING BASE COURSE SECTION.
 - INSTALL L-868B BASE INTO CAPTURE SECTION USING ALIGNMENT JIG TO KEEP ALIGNMENT AND ELEVATION PER FAA A/C.
 - RUN 2" SCHEDULE PVC BETWEEN BASES COMPLETING CONDUIT INSTALLATIONS. PROVIDE CONDUIT SLEEPERS SO CONDUIT CONCRETE AGGREGATES WILL FLOW UNDER CONDUIT.
 - 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.
 - 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.
 - 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.
 - INSTALL A 2" DIA. BRASS SURVEY MARKER WITH STAMPED FIXTURE ID NUMBER.

4 EDGE LIGHT INSTALLED IN TURFED SHOULDER: PLAN VIEW
NTS

ADDENDUM #1	ADDENDUM #5	ADDENDUM #6	NO.	REVISIONS	DATE	BY
1						
2						
3						
4						
5						
6						

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 WWW.KIMLEY-HORN.COM



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

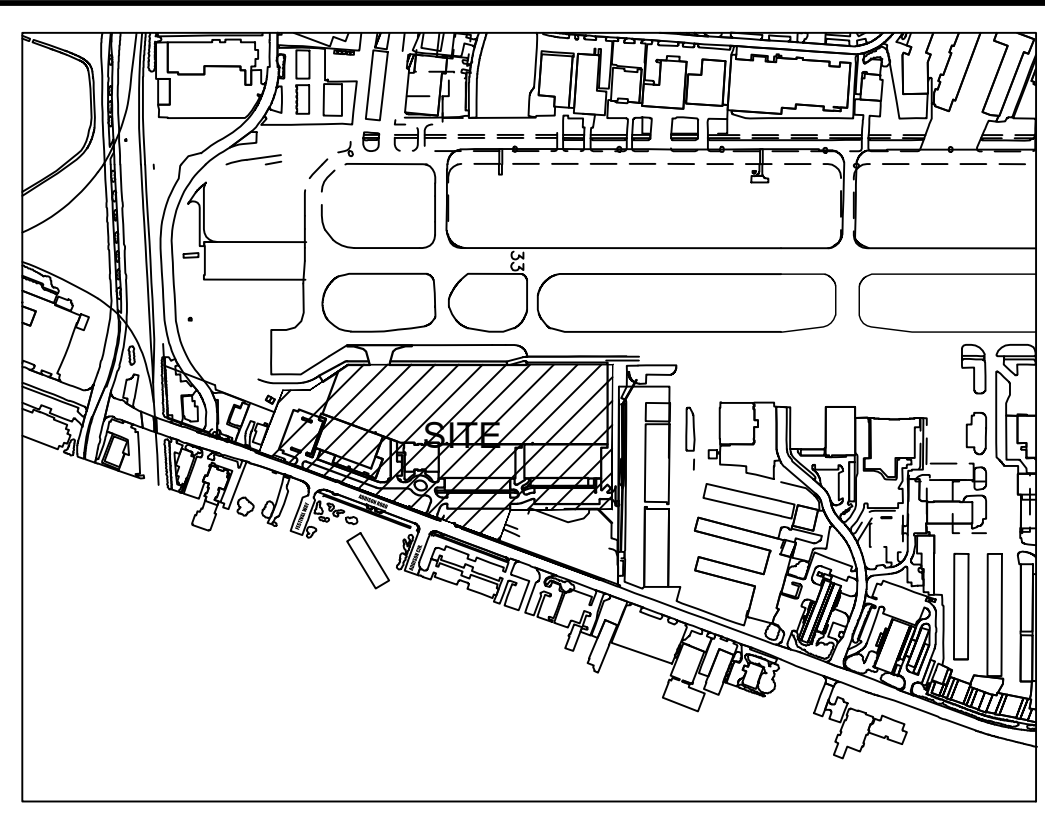
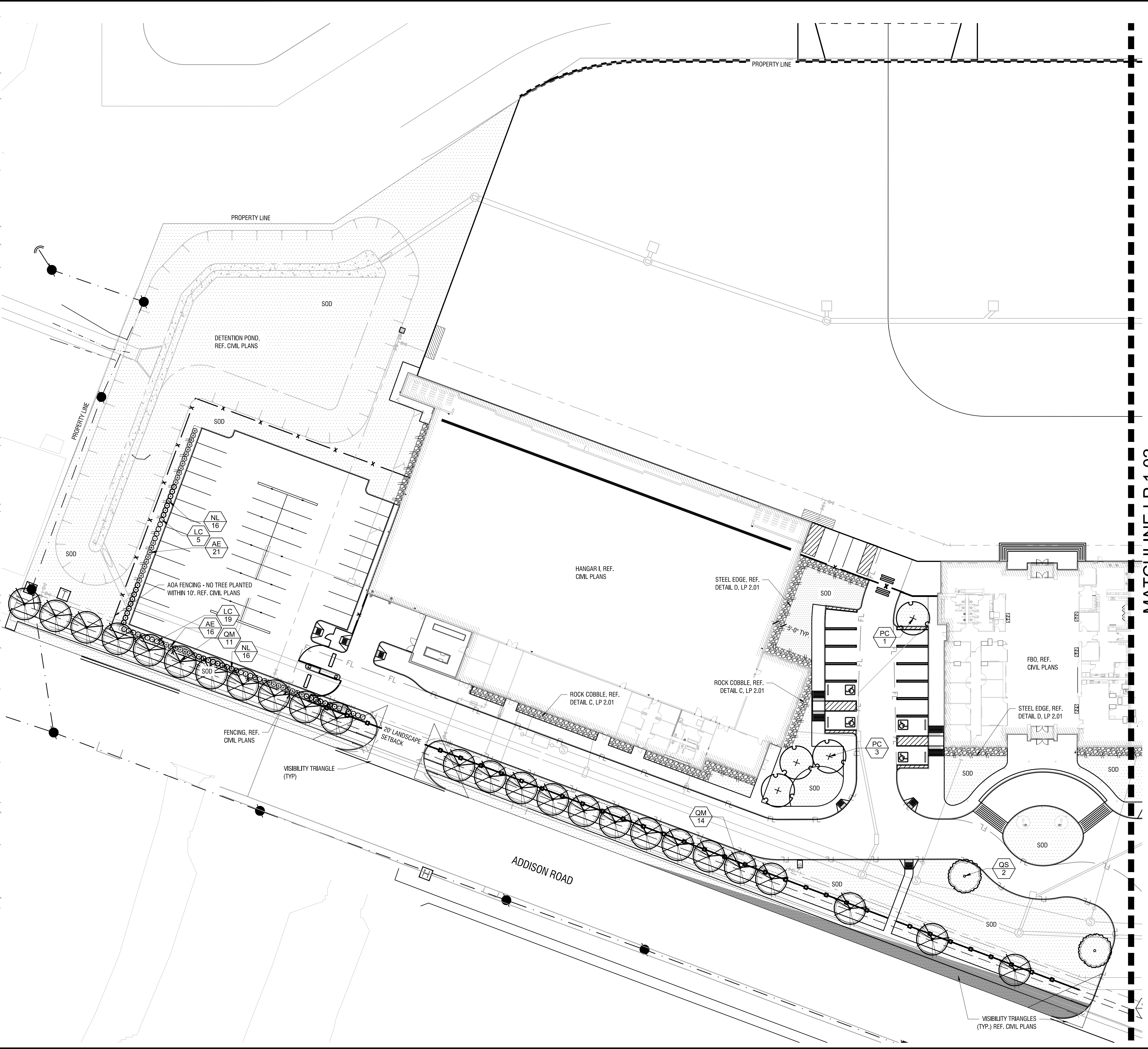
ELECTRICAL DETAILS

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

DALLAS, TEXAS
 ADDISON

SHEET NUMBER
C18.03

Plotted By: Lockwood, Lorian
 Sheet: Setxkhs_Layout\LP 1.01 LANDSCAPE PLAN December 12, 2019 02:58:28pm
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KEY PLAN

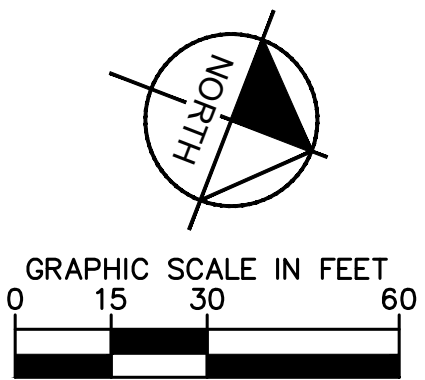
Town of Addison, TX Landscape Requirements - Article XXI

Landscape Requirements	Required	Provided
Minimum landscape area should be 10% of the total site area 603,194 SF x 10% = 60,319 SF	60,319 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 ADA 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. 48,994 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. 155 Parking Spaces / 10 = 16 Trees	Yes	Yes
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 MUEHLBERGII / CHINKAPIN OAK
	QS	QUERCUS SHUMARDII / SHUMARD RED OAK
SHRUBS	CODE	BOTANICAL / COMMON NAME
	AE	ABELIA X GRANDIFLORA 'EDWARD GOUCHER' / GLOSSY ABELIA
	LC	LOROPETALUM CHINENSIS '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.



ADDISON GALAXY FBO
 15.67 ACRES
 EDWARD COOK SURVEY
 ABSTRACT NO. 326
 SUBMITTED: 10/23/2019

<p>OWNER: Black Forest Ventures 25 Waterway Ave Suite 225 The Woodlands, TX 77380</p>	<p>CIVIL ENGINEER: Kimley Horn 1400 Woodloch Drive Suite 225 The Woodlands, TX 77380 Phone: (281) 475-2816</p>	<p>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</p>
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ADDENDUM #1	DATE	BY
ADDENDUM #5	09/10/19	KS
ADDENDUM #6	10/24/2019	LL
	12/11/2019	LL

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 THE WOODLANDS, TX 77380
 PHONE: 281-475-2816
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KHA PROJECT	DATE	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY
067792503	12/11/2019	AS SHOWN	LL	LL	PBH

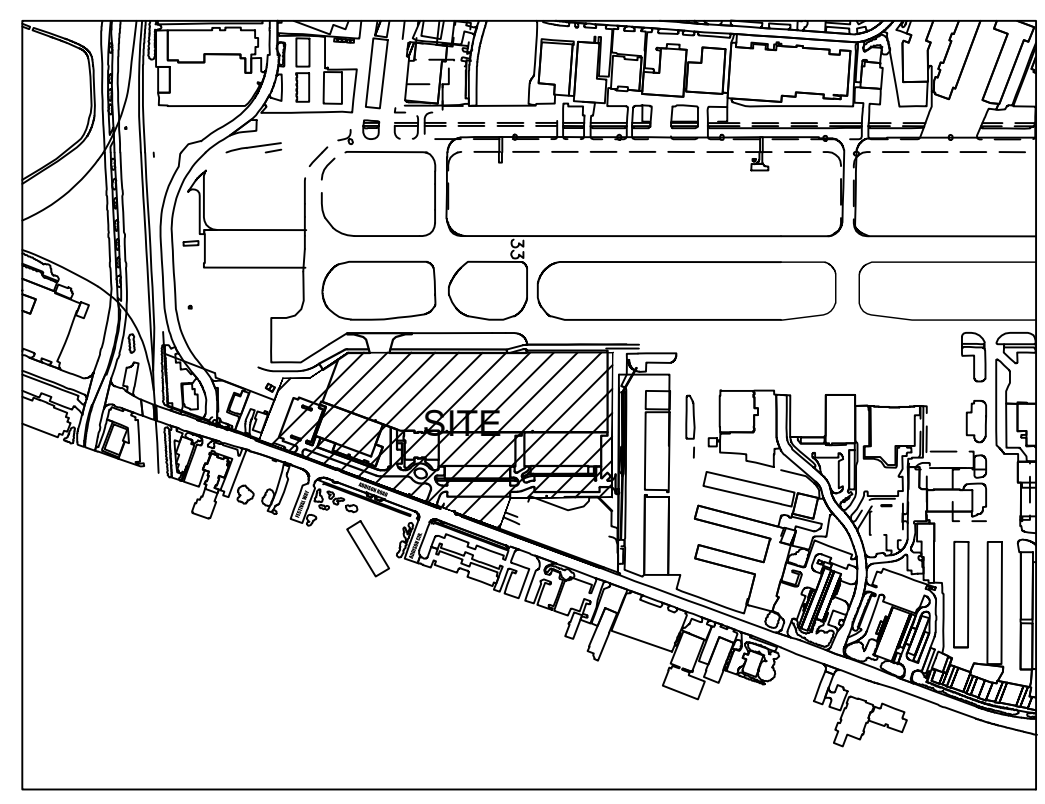
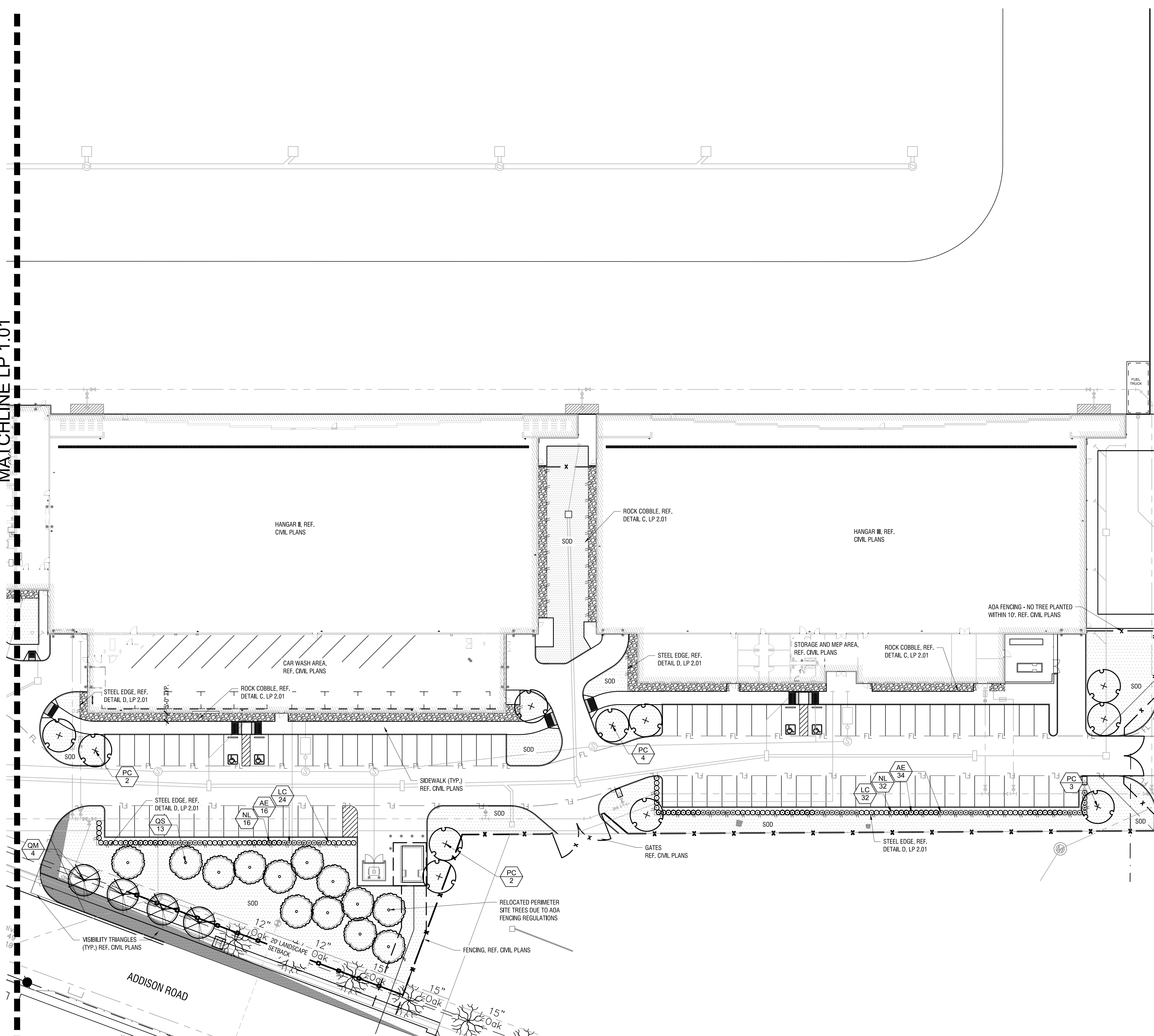
LANDSCAPE PLAN

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

SHEET NUMBER
LP 1.01

Plotted By: Lockwood, Lorien
 Sheet: Set:Kha_Landscape_LP.1.02 LANDSCAPE PLAN December 12, 2019 02:58:35pm
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MATCHLINE LP 1.01



KEY PLAN

Town of Addison, TX Landscape Requirements - Article XXI

Landscape 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 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. 558 LF of perimeter parking / 35 LF = 16 Trees	Yes	Yes - Due to ADA fence regulations, trees have been relocated on site
Surface Parking Lot Landscaping 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. 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

- PC PISTACIA CHINENSIS / CHINESE PISTACHE
- QM QUERCUS MUEHLENBERGII / CHINKAPIN OAK
- GS QUERCUS SHUMARDII / SHUMARD RED OAK

SHRUBS

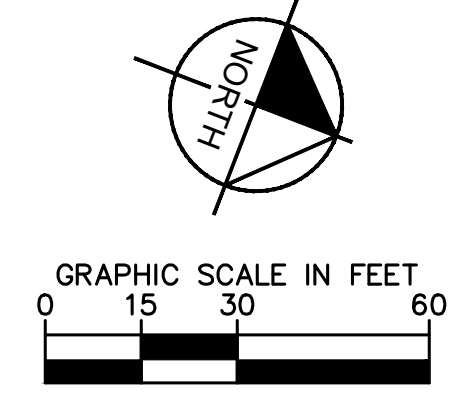
- AE ABELIA X GRANDIFLORA / EDWARD GOUCHER / GLOSSY ABELIA
- LC LOROPETALUM CHINENSE 'PURPLE DIAMOND' / PURPLE DIAMOND LOROPETALUM
- NL NANDINA DOMESTICA / LEMON LIME / LEMON LIME NANDINA

GROUND COVERS

- 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.



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

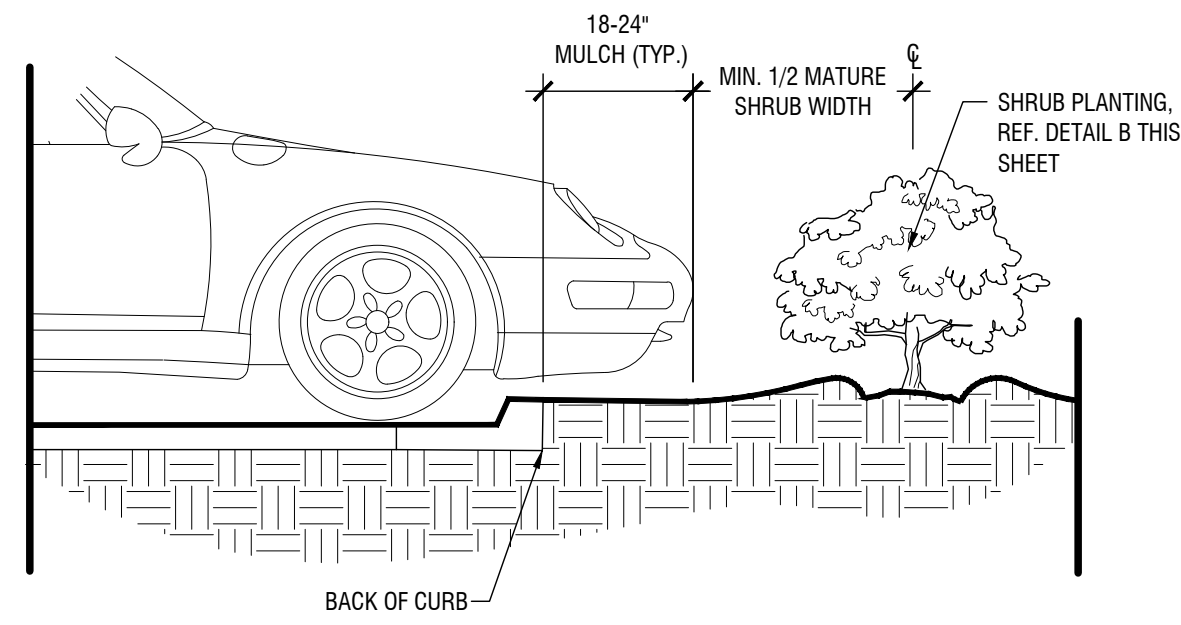
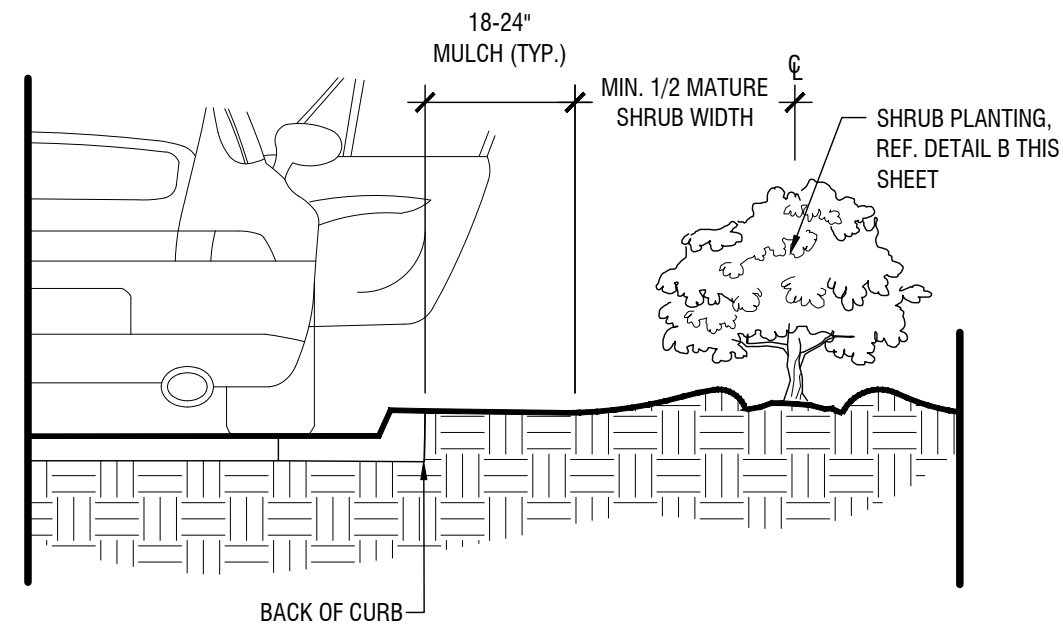
<p>ADDISON GALAXY FBO 15601 ADDISON RD. PREPARED FOR BLACK FOREST VENTURE</p>	<p>LANDSCAPE PLAN</p>	<p>DATE 12/11/2019</p> <p>SCALE AS SHOWN LL DRAWN BY EC LL CHECKED BY PBH</p>	<p>DATE 12/11/2019</p> <p>REVISIONS</p>	<p>DATE BY</p>
<p>ADDISON GALAXY FBO 15.67 ACRES EDWARD COOK SURVEY ABSTRACT NO. 326 SUBMITTED: 10/23/2019</p>		<p>OWNER: Black Forest Ventures 25 Waterway Ave Suite 225 The Woodlands, TX 77380</p>		
<p>CIVIL ENGINEER: Kimley Horn 1400 Woodloch Drive Suite 225 The Woodlands, TX 77380 Phone: (281) 475-2816</p>		<p>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</p>		
<p>SHEET NUMBER LP 1.02</p>		<p>ADDISON DALLAS, TEXAS</p>		

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

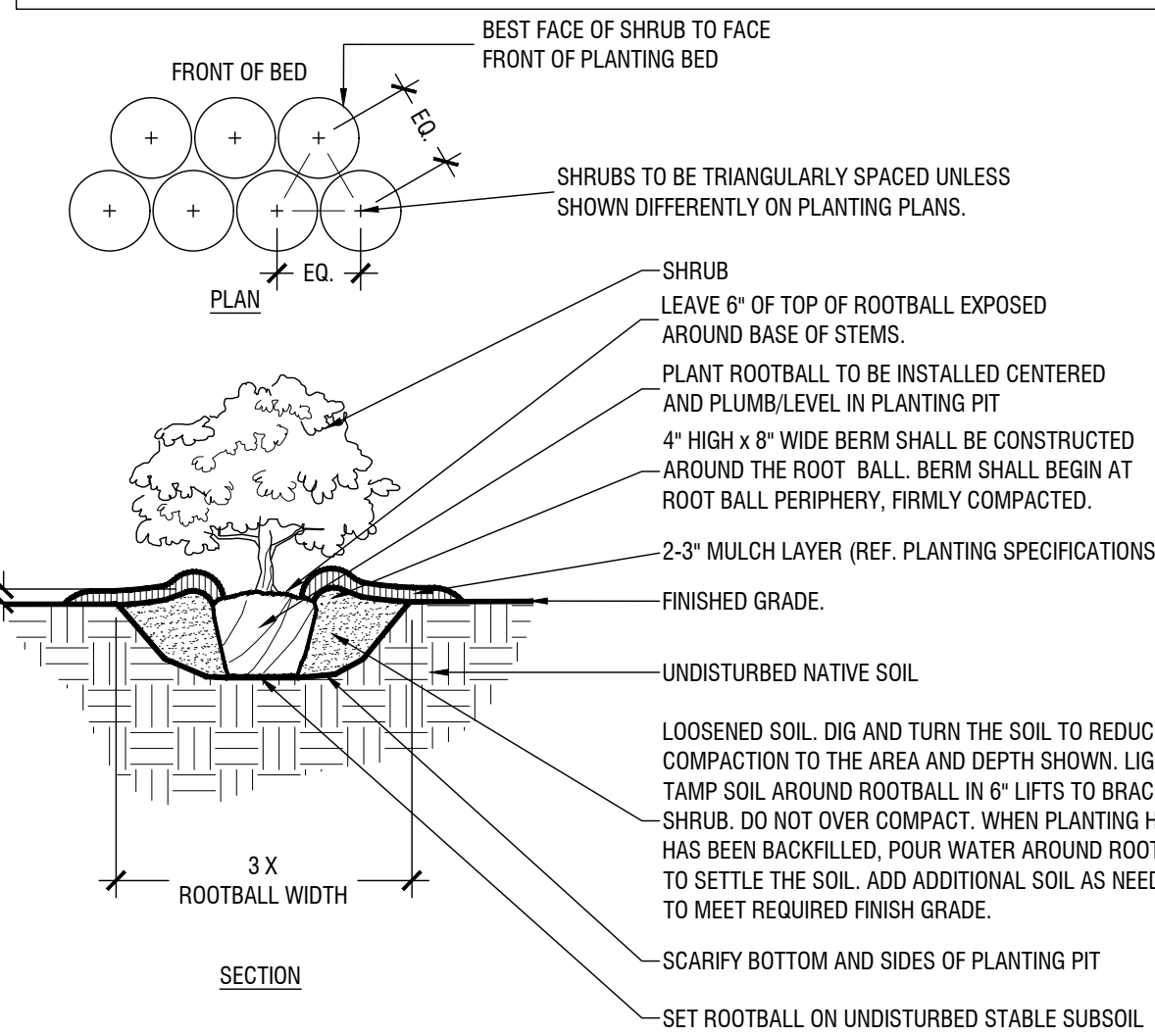
Plotted By: Lockwood, Lorien
 Sheet: Set: Kxb Layout: LP 2.01 LANDSCAPE DETAILS December 12, 2019 02:59:01pm
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SHRUB PLANTING AT CURB

Scale: NTS

- NOTES:**
1. REF. PLANTING SPECIFICATIONS FOR ADDITIONAL INFORMATION.
 2. WHEN SHRUBS MASSES 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

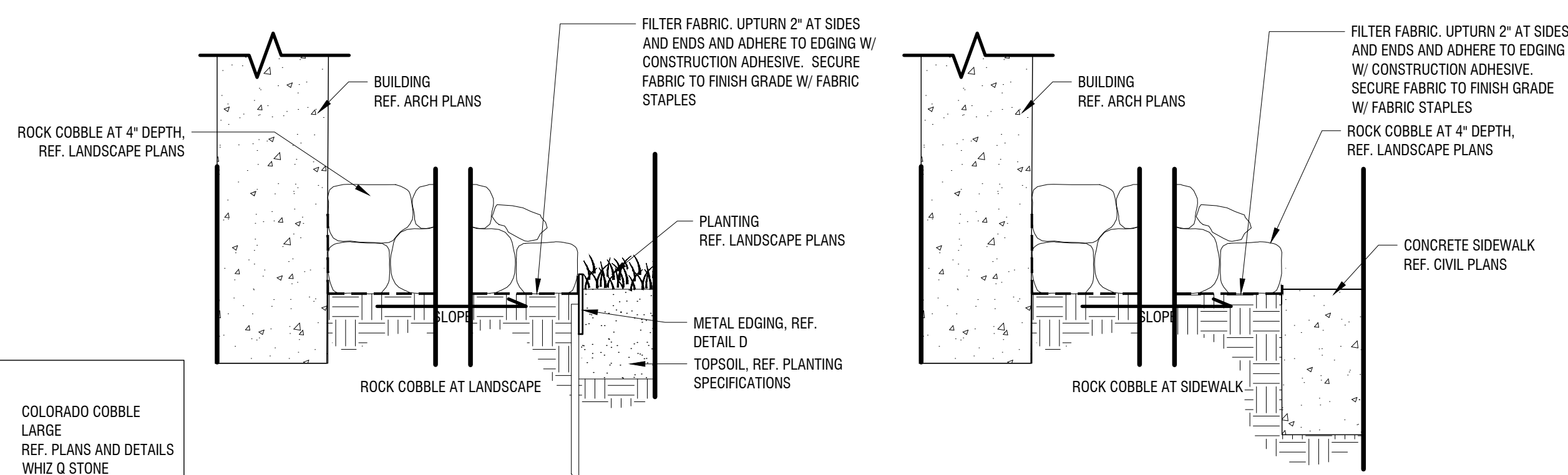
Scale: NTS

- 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 CONTRACTOR TO SEED ALL DISTURBED AREAS.

NO IRRIGATION TO BE LOCATED WITHIN 5'-0" OF BUILDING FOUNDATION PER GEOTECH REPORT.

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 CHINENSIS / 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



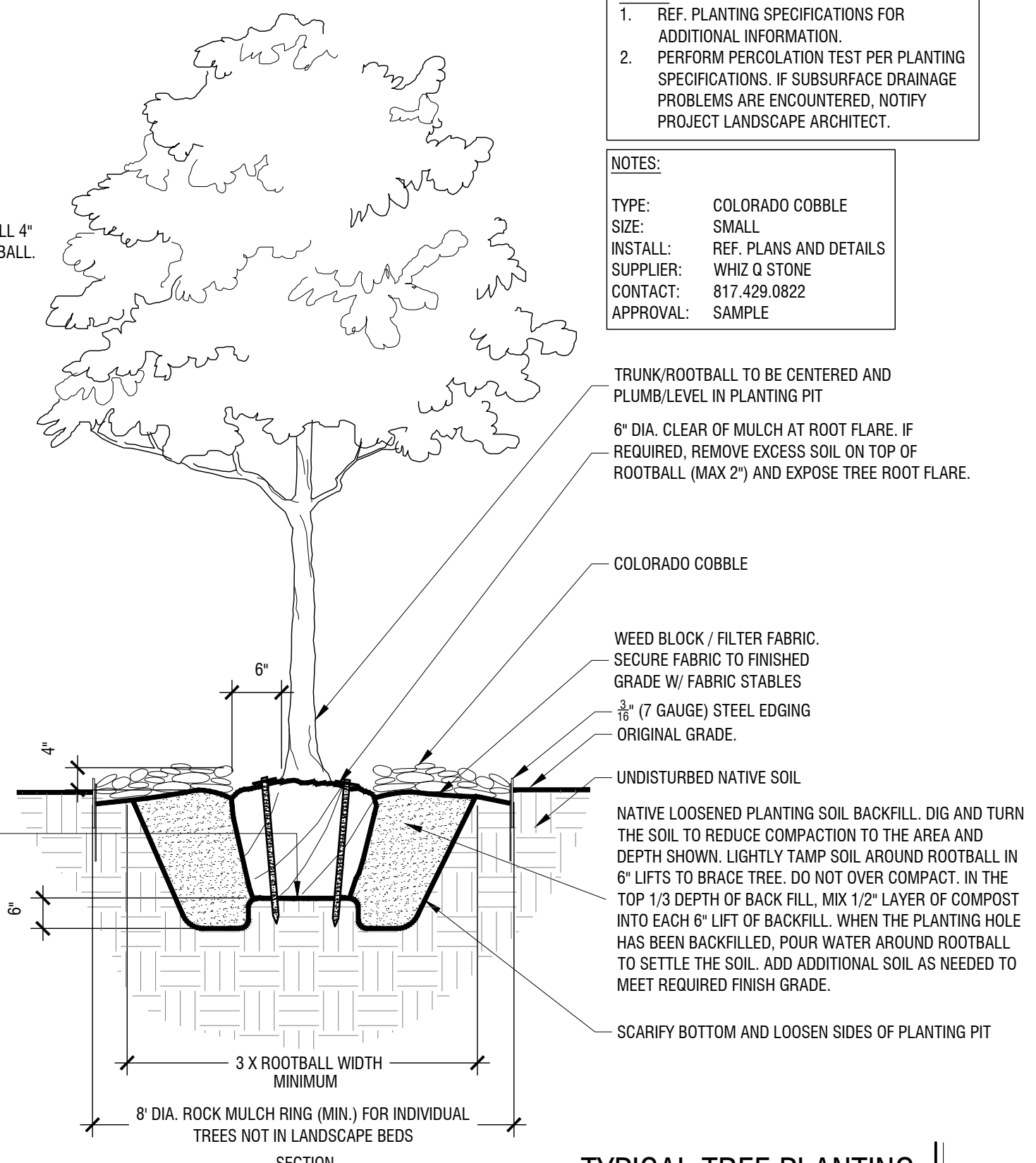
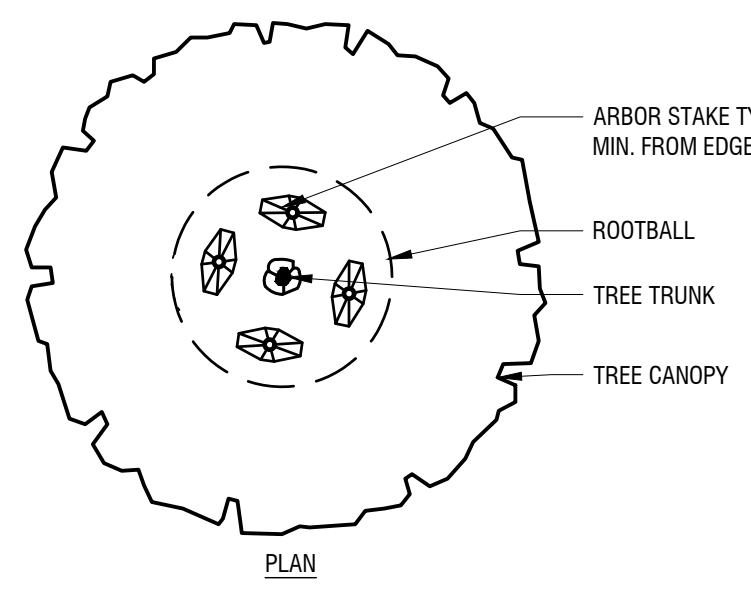
- NOTES:**
- TYPE: COLORADO COBBLE
 SIZE: LARGE
 INSTALL: REF. PLANS AND DETAILS
 SUPPLIER: WHIZ Q STONE
 CONTACT: 817.429.0822
 APPROVAL: SAMPLE

ROCK COBBLE BED

Scale: 1 1/2" = 1'-0"

- 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

ADDISON GALAXY FBO
 15.67 ACRES
 EDWARD COOK SURVEY
 ABSTRACT NO. 326
 SUBMITTED: 10/23/2019

OWNER:
 Black Forest Ventures
 25 Waterloo Ave
 Suite 225
 The Woodlands, TX 77380

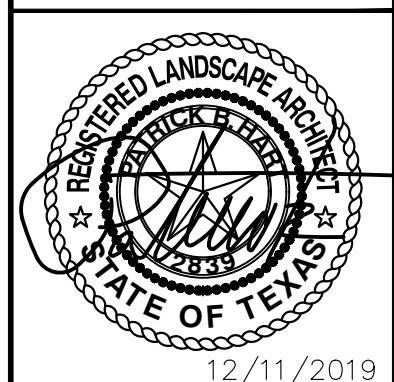
CIVIL ENGINEER:
 Kimley Horn
 1400 Woodloch Drive
 Suite 225
 The Woodlands, TX 77380
 Phone: (281) 475-2816

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

ADDENDUM #1	ADDENDUM #5	ADDENDUM #6	NO.	REVISIONS	DATE	BY
09/10/19	10/24/2019	12/11/2019				
KS	LL	LL				

Kimley Horn

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KHA PROJECT	DATE	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY
067792503	12/11/2019	AS SHOWN	LL	LL	PBH

LANDSCAPE DETAILS

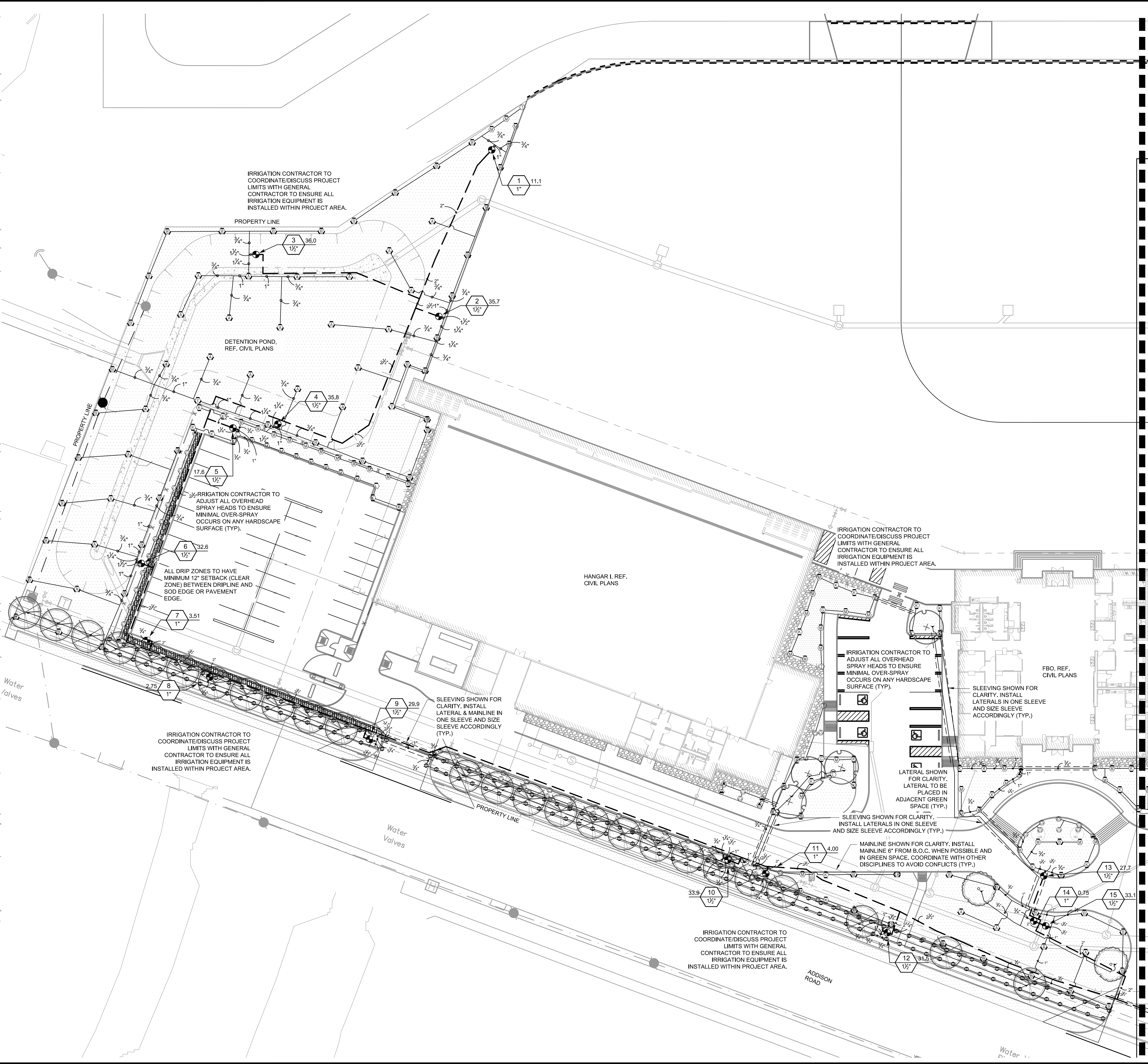
ADDISON GALAXY FBO
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BLACK FOREST VENTURE

DALLAS, TEXAS

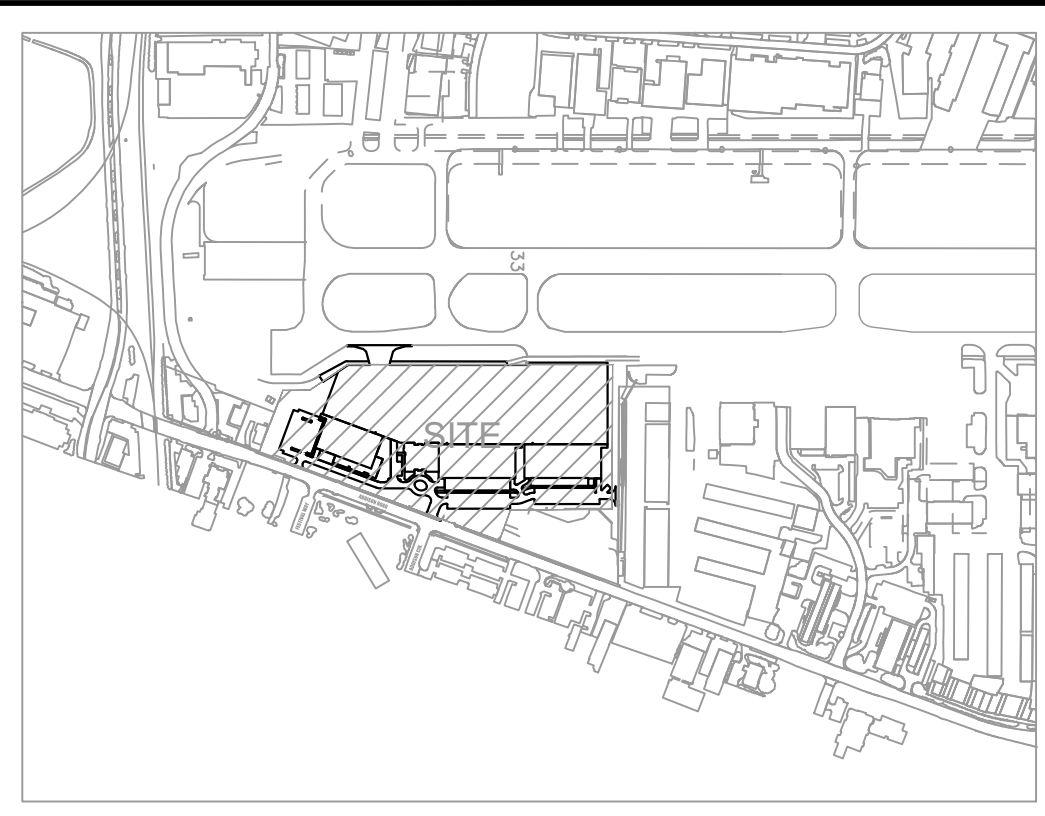
ADDISON

SHEET NUMBER
LP 2.01

Plotted By: Lockwood, Lorien
 Sheet: Settkba - Layout LI 1.01 IRRIGATION PLAN - December 12, 2019 02:59:35pm
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MATCHLINE LI 1.02

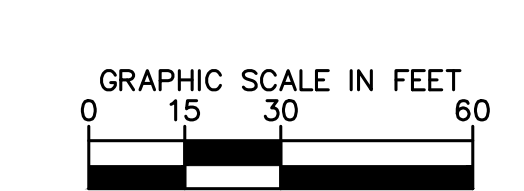


KEY PLAN

IRRIGATION NOTES:

- CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, EQUIPMENT QUANTITIES, AND UTILITY LOCATIONS PRIOR TO BEGINNING WORK.
- CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES IN PLANS OR SPECIFICATIONS PRIOR TO BEGINNING OR CONTINUING WORK.
- THE CONTRACTOR SHALL MAKE NO SUBSTITUTIONS, DELETIONS, OR ADDITIONS TO THIS PLAN WITHOUT APPROVAL OF THE LANDSCAPE ARCHITECT.
- ALL CONSTRUCTION SHALL CONFORM TO CITY, COUNTY, STATE, AND FEDERAL REQUIREMENTS. IT SHALL BE THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO ENSURE THAT ALL IRRIGATION EQUIPMENT MEETS GOVERNMENT REGULATIONS. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR OBTAINING ANY NECESSARY PERMITS OR APPROVALS PRIOR TO COMMENCEMENT OF OPERATIONS ON-SITE. COPIES OF THE PERMITS SHALL BE SENT TO THE OWNER/GENERAL CONTRACTOR.
- THIS PLAN IS SCHEMATIC AND DUE TO THE NATURE OF CONSTRUCTION SLIGHT FIELD MODIFICATIONS MAY BE NECESSARY TO IMPLEMENT PLAN.
- THIS IRRIGATION SYSTEM IS DESIGNED TO THE FOLLOWING STATS: 75 G.P.M. STATIC WATER PRESSURE IS 65 P.S.I.
- CONTRACTOR TO VERIFY ACTUAL AVAILABLE WATER PRESSURE BEFORE BEGINNING INSTALLATION. CONTRACTOR SHALL NOTIFY LANDSCAPE ARCHITECT IF AVAILABLE WATER PRESSURE EXCEEDS 5 PSI HIGHER OR LOWER THAN AVAILABLE WATER PRESSURE.
- VERIFY CONTROLLER AND RAIN SENSOR LOCATION AND MAINLINE POINT OF CONNECTION AT PROJECT SITE WITH OWNER.
- IRRIGATION SYSTEMS CONNECTED TO POTABLE WATER SUPPLY, SHALL HAVE A BACKFLOW PREVENTER INSTALLED.
- WHERE APPLICABLE IRRIGATION HEADS ARE TO BE ADJUSTED FOR COMPLETE COVERAGE WITH MINIMUM OVER SPRAY BEYOND LANDSCAPE AREAS.
- EXISTING TREES TO REMAIN ARE TO BE PROTECTED FROM DAMAGE. DO NOT TRENCH OR EXCAVATE WITHIN THE CRITICAL ROOT ZONE OF ANY TREE.
- IRRIGATION LATERAL LINES, MAIN LINES AND EQUIPMENT MAY BE SHOWN OUTSIDE PROPERTY LINES ON THIS PLAN. ALL IRRIGATION LINES AND EQUIPMENT ARE TO BE WITHIN AND INSTALLED WITHIN THE LIMITS OF THE PROPERTY LINE.
- ALL IRRIGATION SLEEVING TO BE THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR UNLESS OTHERWISE NOTED. ELECTRICAL WIRES FOR IRRIGATION VALVES AND IRRIGATION LINES ARE TO BE PLACED IN SEPARATE SLEEVES. SEE SLEEVING DETAIL. ALL PRESSURE MAINLINES UNDER ASPHALT PAVEMENT SHALL BE PLACED WITHIN SLEEVES AS NOTED.
- GENERAL CONTRACTOR AND IRRIGATION CONTRACTOR TO COORDINATE INSTALLATION OF METER, BACKFLOW, AND ASSOCIATED APPURTENANCES.
- ALL PLANT MATERIAL IN TREE HOLDING AREAS SHALL BE MANUALLY WATERED/IRRIGATED TO KEEP MOIST UNTIL PLANTED.
- MAINLINE, VALVES, AND WIRING ARE SHOWN ON DRAWINGS FOR CLARITY. SHOULD BE LOCATED IN ACCESSIBLE GREEN SPACE. CONTRACTOR TO COORDINATE WITH ALL DISCIPLINES TO AVOID CONFLICTS WITH UTILITIES/ STRUCTURES, ETC.
- CONTRACTOR RESPONSIBLE FOR PROVIDING 110 SINGLE PHASE POWER TO CONTROLLER.
- INSTALLATION OF WORK SHALL BE COORDINATED WITH OTHER CONTRACTORS IN SUCH A MANNER AS TO ALLOW FOR A SPEEDY AND ORDERLY COMPLETION OF ALL WORK ON THE SITE.
- ALL 24 VAC WIRING SHALL BE OF DIRECT BURIAL COPPER WIRE AS FOLLOWS:
 - CONTROL WIRES - #14
 - COMMON WIRES - #12
- LOCATE ALL VALVES A MINIMUM OF 24" FROM BACK OF CURB OR EDGE OF PAVEMENT, UNLESS NOTED OTHERWISE.
- SET SPRAY HEADS 4" FROM BACK OF CURB OR 24" IF PAVEMENT HAS NO CURB.
- CONTRACTOR SHALL PROVIDE "AS-BUILT" DRAWINGS OF THE FINAL INSTALLATION TO OWNER AT SUBSTANTIAL COMPLETION BEFORE RECEIVING FINAL PAYMENT. "AS-BUILT" DRAWINGS TO BE COLOR CODED BY ZONE ON 8.5" X 11" COPY, LAMINATED, AND PLACED IN CONTROLLER.
- THE SYSTEM HAS BEEN DESIGNED TO PROVIDE 100% COVERAGE. ANY CHANGES MADE IN THE LAYOUT DUE TO FIELD CONDITIONS SHALL BE IN ACCORDANCE WITH THESE STANDARDS. QUANTITIES IN SCHEDULE ARE ESTIMATED. PLAN SHALL TAKE PRECEDENCE.
- IRRIGATION VALVES AND VALVE BOXES SHALL BE LOCATED IN LANDSCAPE BEDS OR GROUND COVER AREAS WHENEVER POSSIBLE. ALL REMOTE VALVE BOXES SHALL BE SET FLUSH WITH FINISHED GRADE AND CONTAIN ONE CUBIC FOOT OF CLEAN GRAVEL BENEATH VALVE. LABEL REMOTE BOXES WITH ONE-INCH ALPHA NUMERIC NOTATION CORRESPONDING TO THE APPLICABLE ALPHA CONTROLLER AND NUMERIC STATION.

NOTE:
 THIS IRRIGATION PLAN IS DESIGNED TO THE FOLLOWING STATS: 65 PSI AND 75 GPM. IF WATER PRESSURE DOES NOT MEET DESIGN SPECIFICATIONS A BOOSTER PUMP WILL BE REQUIRED AT COST OF CONTRACTOR. CONTACT LANDSCAPE ARCHITECT PRIOR TO INSTALLATION IF SYSTEM HAS +/- 5 PSI THAN DESIGN PRESSURE.
 REFERENCE MAXIMUM LATERAL DRIPLINE CHART TO DETERMINE MINIMUM NUMBER OF POINTS OF CONNECTION PER DRIP LINE ZONE.
 WHERE LAYOUT FLEXIBILITY EXISTS CENTER FEED LAYOUTS MUST BE USED. THIS ALLOWS FOR EVEN FLOW OF WATER THROUGH THE ZONE.



REF. SHEET LI 1.02 FOR IRRIGATION SCHEDULE
 NO IRRIGATION TO BE LOCATED WITHIN 5'-0" OF BUILDING FOUNDATION PER GEOTECH REPORT.

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 ABSTRACT NO. 326
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BY		

Kimley Horn

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12/11/2019

KHA PROJECT	067792503
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SCALE	AS SHOWN
DESIGNED BY	KAU
DRAWN BY	EC KAU
CHECKED BY	KAU

IRRIGATION PLAN

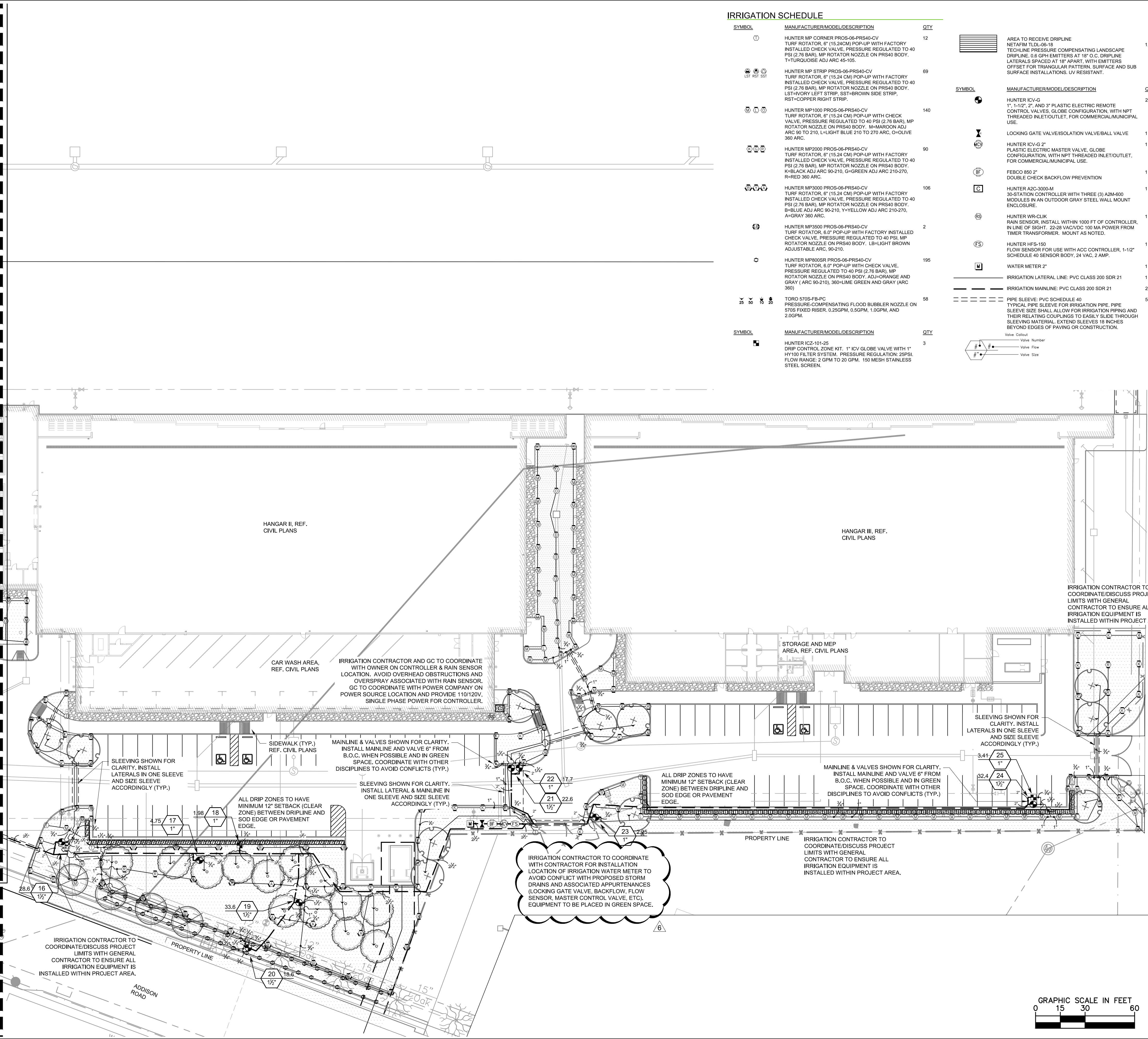
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SHEET NUMBER
 LI 1.01

Plotted By: Lockwood, Lorien. Sheet: Set: Kks - Layout: LI 1.02 - IRRIGATION PLAN. December 12, 2019. 02:59:47pm. \\VDLFP01\DATA\Projects\KIMLEY\ADDISON GALAXY FBO\ACAD\Drawings\Sheets\Irrigation\LI 1.02 - IRRIGATION PLAN.dwg. Addendum #1. This document, together with the concepts and designs presented herein, is intended only for the specific purpose and project identified herein. No other use or reliance on this document without written authorization and approval by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

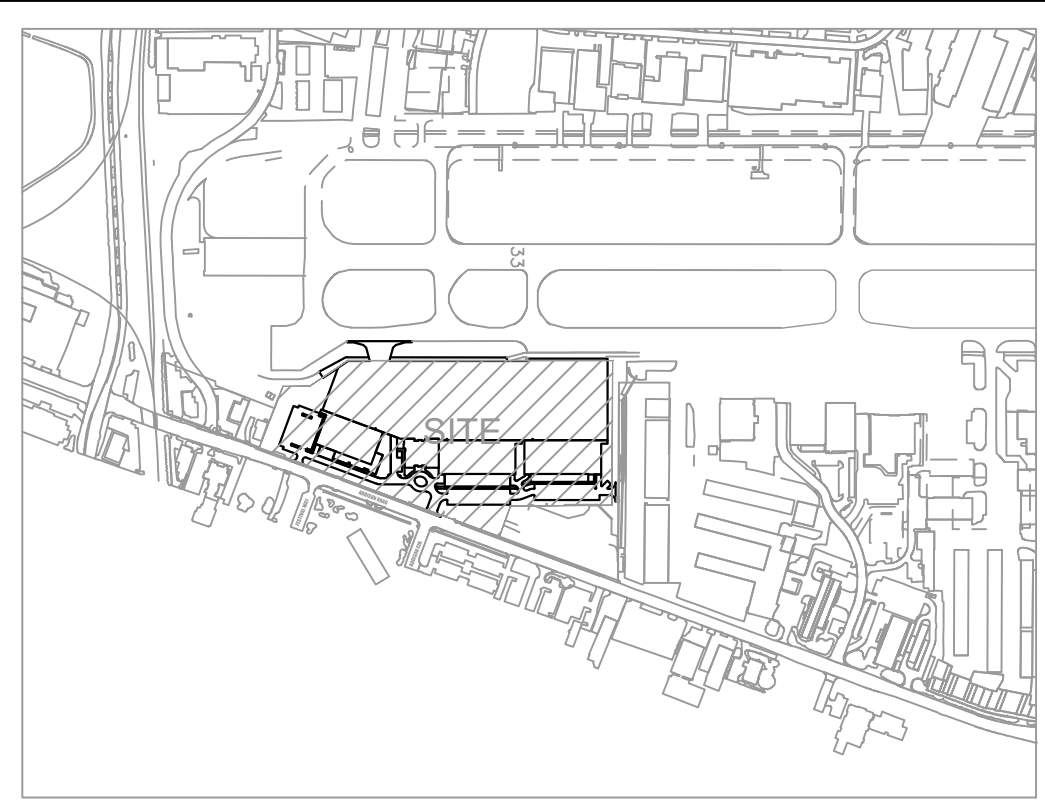
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IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
①	HUNTER MP CORNER PROS-06-PRS40-CV TURF ROTATOR, 6" (15.24 CM) POP-UP WITH FACTORY INSTALLED CHECK VALVE, PRESSURE REGULATED TO 40 PSI (2.76 BAR), MP ROTATOR NOZZLE ON PRS40 BODY, T-TURF NOZZSE ADJ ARC 45-105.	12
②	HUNTER MP STRIP PROS-06-PRS40-CV TURF ROTATOR, 6" (15.24 CM) POP-UP WITH FACTORY INSTALLED CHECK VALVE, PRESSURE REGULATED TO 40 PSI (2.76 BAR), MP ROTATOR NOZZLE ON PRS40 BODY, LST-IVORY LEFT STRIP, SST-BROWN SIDE STRIP, RST-COPPER RIGHT STRIP.	69
③	HUNTER MP1000 PROS-06-PRS40-CV TURF ROTATOR, 6" (15.24 CM) POP-UP WITH CHECK VALVE, PRESSURE REGULATED TO 40 PSI (2.76 BAR), MP ROTATOR NOZZLE ON PRS40 BODY, M-MAROON ADJ ARC 90 TO 210, L-LIGHT BLUE 210 TO 270 ARC, O-OLIVE 360 ARC.	140
④	HUNTER MP2000 PROS-06-PRS40-CV TURF ROTATOR, 6" (15.24 CM) POP-UP WITH FACTORY INSTALLED CHECK VALVE, PRESSURE REGULATED TO 40 PSI (2.76 BAR), MP ROTATOR NOZZLE ON PRS40 BODY, K-BLACK ADJ ARC 90-210, G-GREEN ADJ ARC 210-270, R-RED 360 ARC.	90
⑤	HUNTER MP3000 PROS-06-PRS40-CV TURF ROTATOR, 6" (15.24 CM) POP-UP WITH FACTORY INSTALLED CHECK VALVE, PRESSURE REGULATED TO 40 PSI (2.76 BAR), MP ROTATOR NOZZLE ON PRS40 BODY, B-BLUE ADJ ARC 90-210, Y-YELLOW ADJ ARC 210-270, A-GRAY 360 ARC.	106
⑥	HUNTER MP3500 PROS-06-PRS40-CV TURF ROTATOR, 6.0" POP-UP WITH FACTORY INSTALLED CHECK VALVE, PRESSURE REGULATED TO 40 PSI, MP ROTATOR NOZZLE ON PRS40 BODY, LB-LIGHT BROWN ADJUSTABLE ARC, 90-210.	2
⑦	HUNTER MP800SR PROS-06-PRS40-CV TURF ROTATOR, 6.0" POP-UP WITH CHECK VALVE, PRESSURE REGULATED TO 40 PSI (2.76 BAR), MP ROTATOR NOZZLE ON PRS40 BODY, ADJ-ORANGE AND GRAY (ARC 90-210), 360-LIME GREEN AND GRAY (ARC 360).	195
⑧	TORO 570S-FB-PC PRESSURE-COMPENSATING FLOOD BUBBLER NOZZLE ON 570S FIXED RISER, 0.25GPM, 0.5GPM, 1.0GPM, AND 2.0GPM.	58
⑨	HUNTER ICZ-101-25 DRIP CONTROL ZONE KIT, 1" ICV GLOBE VALVE WITH 1" H-Y100 FILTER SYSTEM, PRESSURE REGULATION, 25PSI, FLOW RANGE: 2 GPM TO 20 GPM, 150 MESH STAINLESS STEEL SCREEN.	3

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
▨	AREA TO RECEIVE DRIPLINE NETAFAM TDL-06-18 TECHLINE PRESSURE COMPENSATING LANDSCAPE DRIPLINE, 0.6 GPH EMITTERS AT 18" O.C., DRIPLINE LATERALS SPACED AT 18" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN, SURFACE AND SUB SURFACE INSTALLATIONS, UV RESISTANT.	1,335 L.F.
●	HUNTER ICV-G 1"-1/2", 2" AND 3" PLASTIC ELECTRIC REMOTE CONTROL VALVES, GLOBE CONFIGURATION, WITH NPT THREADED INLET/OUTLET, FOR COMMERCIAL/MUNICIPAL USE.	22
⊗	LOCKING GATE VALVE/ISOLATION VALVE/BALL VALVE	1
⊙	HUNTER ICV-G 2" PLASTIC ELECTRIC MASTER VALVE, GLOBE CONFIGURATION, WITH NPT THREADED INLET/OUTLET, FOR COMMERCIAL/MUNICIPAL USE.	1
⊕	FEBCO 850 2" DOUBLE CHECK BACKFLOW PREVENTION	1
⊖	HUNTER A2C-3000-M 30-STATION CONTROLLER WITH THREE (3) A2M-600 MODULES IN AN OUTDOOR GRAY STEEL WALL MOUNT ENCLOSURE.	1
⊗	HUNTER WR-CLK RAIN SENSOR, INSTALL WITHIN 1000 FT OF CONTROLLER, IN LINE OF SIGHT, 22-28 VAC/DC 100 MA POWER FROM TIER TRANSFORMER, MOUNT AS NOTED.	1
⊕	HUNTER HFS-150 FLOW SENSOR FOR USE WITH ACC CONTROLLER, 1-1/2" SCHEDULE 40 SENSOR BODY, 24 VAC, 2 AMP.	1
⊖	WATER METER 2"	1
---	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21	11,435 L.F.
---	IRRIGATION MAINLINE: PVC CLASS 200 SDR 21	2,275 L.F.
---	PIPE SLEEVE: PVC SCHEDULE 40 TYPICAL PIPE SLEEVE FOR IRRIGATION PIPE, PIPE SLEEVE SIZE SHALL ALLOW FOR IRRIGATION PIPING AND THEIR RELATING COUPLINGS TO EASILY SLIDE THROUGH SLEEVING MATERIAL, EXTENDING SLEEVES 18 INCHES BEYOND EDGES OF PAVING OR CONSTRUCTION.	566.9 L.F.



KEY PLAN

NOTE: THIS IRRIGATION PLAN IS DESIGNED TO THE FOLLOWING STATS: 65 PSI AND 75 GPM. IF WATER PRESSURE DOES NOT MEET DESIGN SPECIFICATIONS A BOOSTER PUMP WILL BE REQUIRED AT COST OF CONTRACTOR. CONTACT LANDSCAPE ARCHITECT PRIOR TO INSTALLATION IF SYSTEM HAS +/- 5 PSI THAN DESIGN PRESSURE.

ABOVE QUANTITIES PROVIDED FOR CONVENIENCE ONLY. CONTRACTOR TO CONFIRM ALL QUANTITIES PRIOR TO BIDDING.

REFERENCE MAXIMUM LATERAL DRIPLINE CHART TO DETERMINE MINIMUM NUMBER OF POINTS OF CONNECTION PER DRIP LINE ZONE.

WHERE LAYOUT FLEXIBILITY EXISTS CENTER FEED LAYOUTS MUST BE USED. THIS ALLOWS FOR EVEN FLOW OF WATER THROUGH THE ZONE.

NO IRRIGATION TO BE LOCATED WITHIN 5'-0" OF BUILDING FOUNDATION PER GEOTECH REPORT.

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Katherine A. Utecht
 KATHERINE A. UTECHT
 0021532
 REGISTERED PROFESSIONAL LANDSCAPE ARCHITECT
 STATE OF TEXAS
 12/11/2019

KHA PROJECT	067792503
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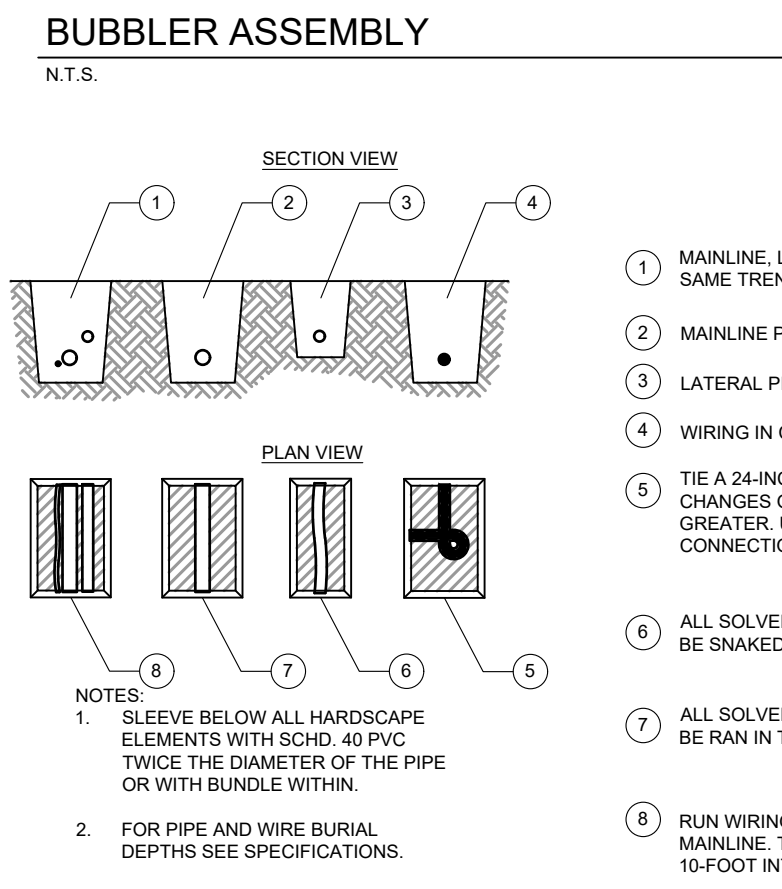
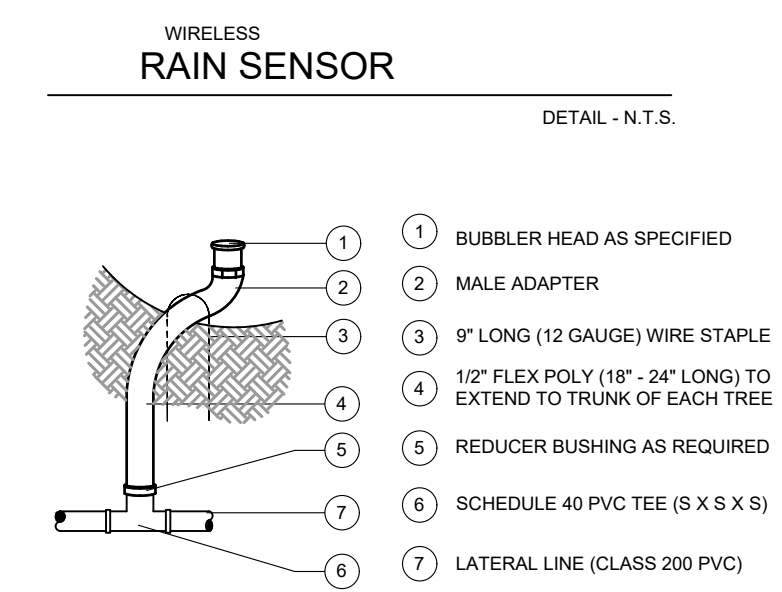
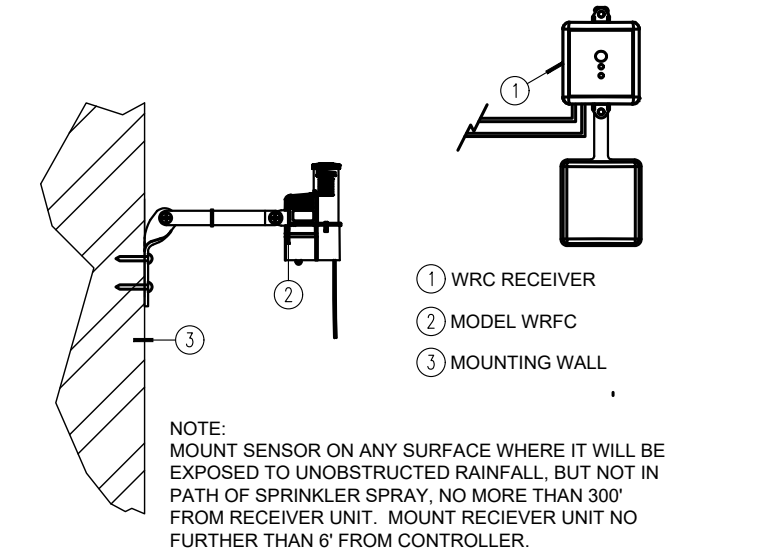
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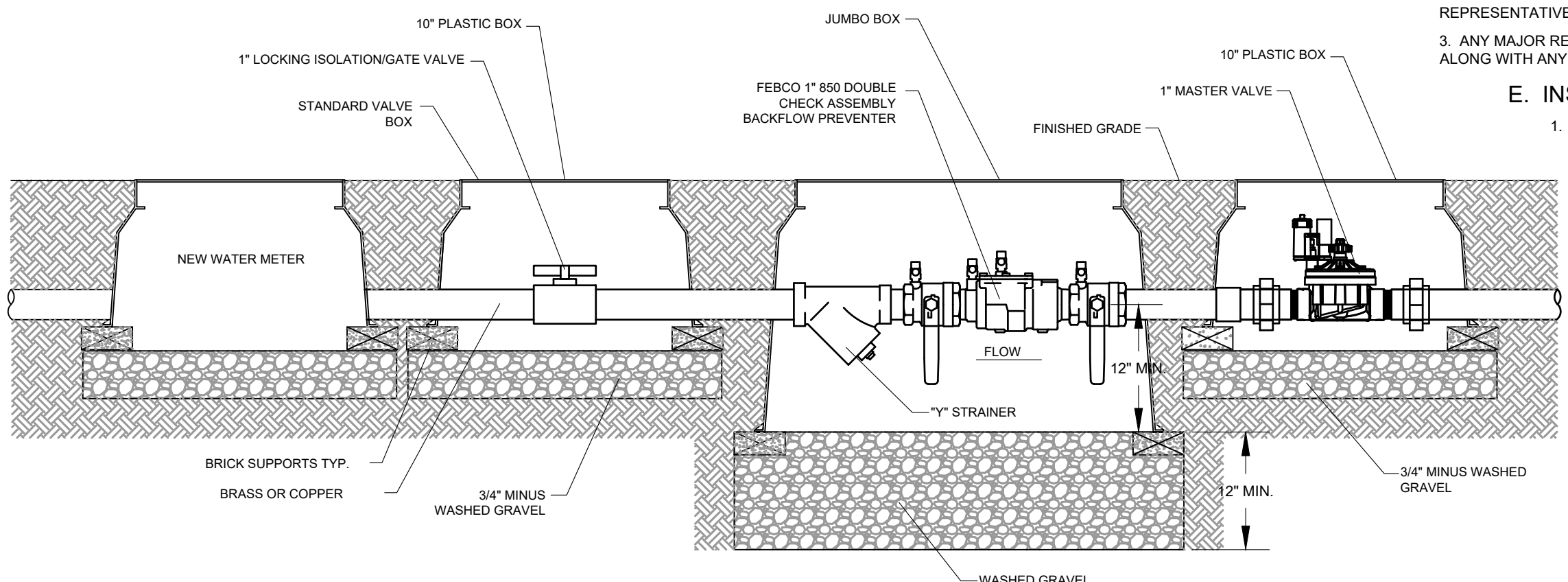
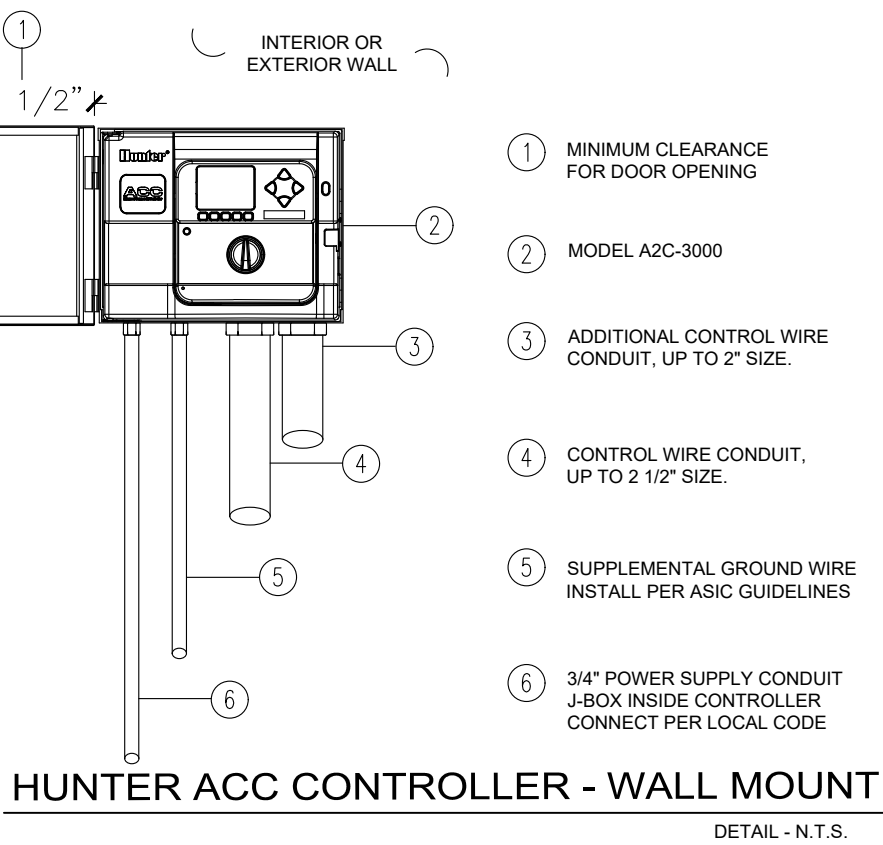
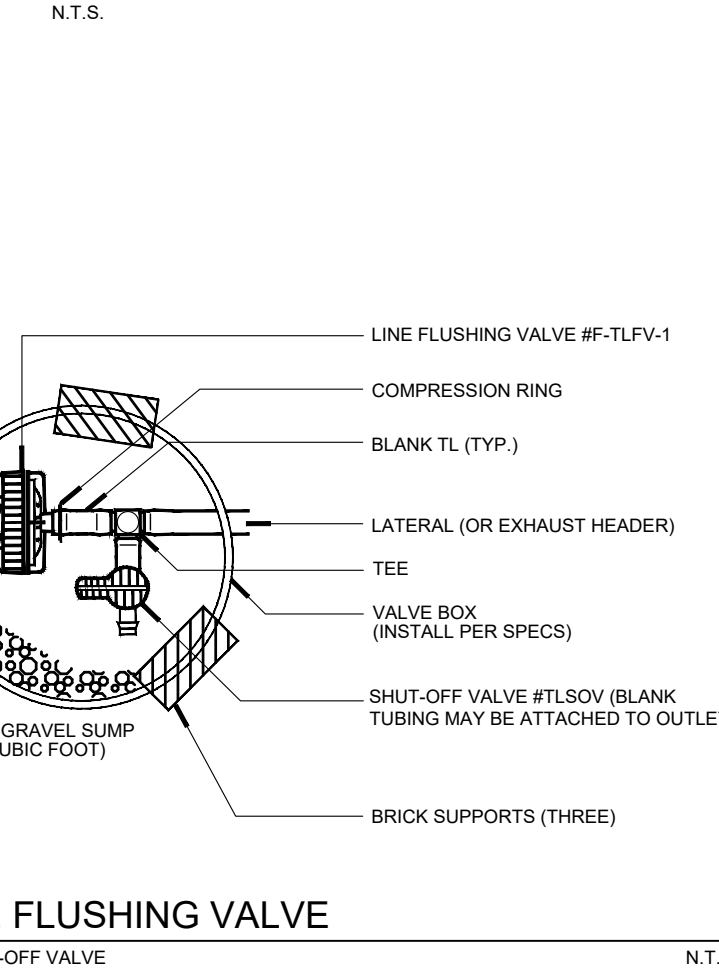
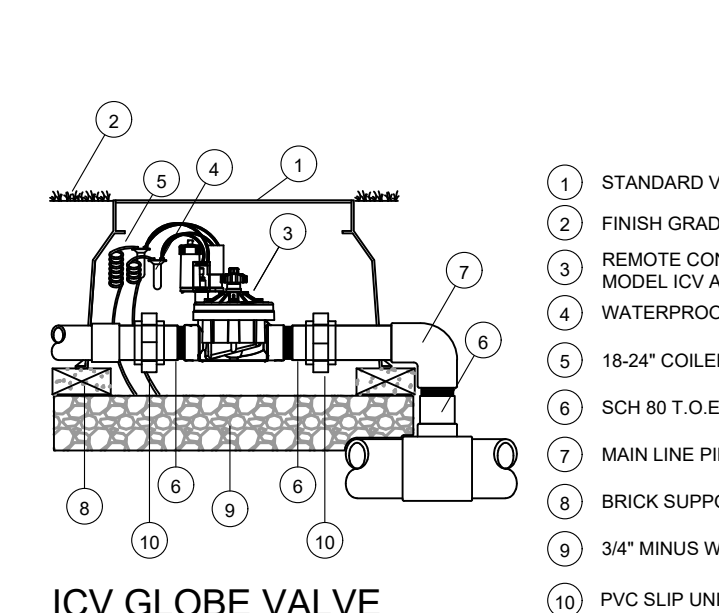
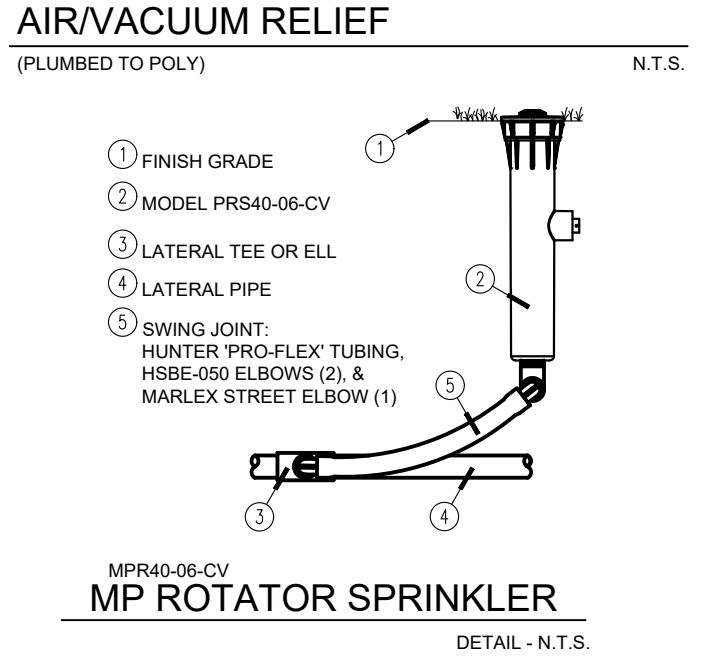
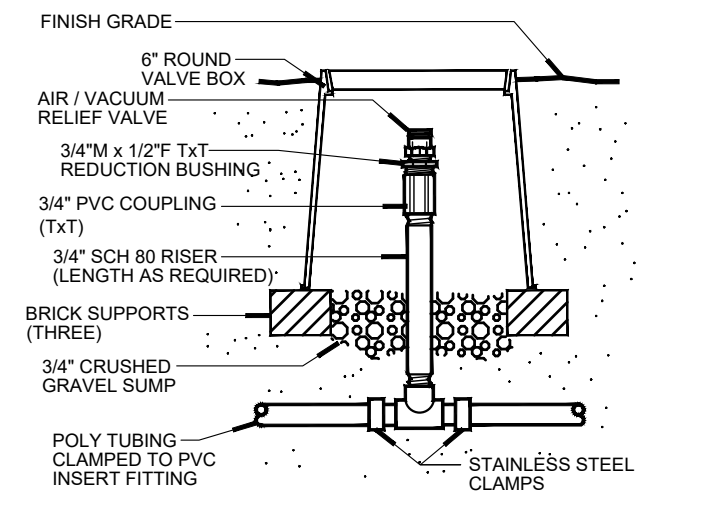
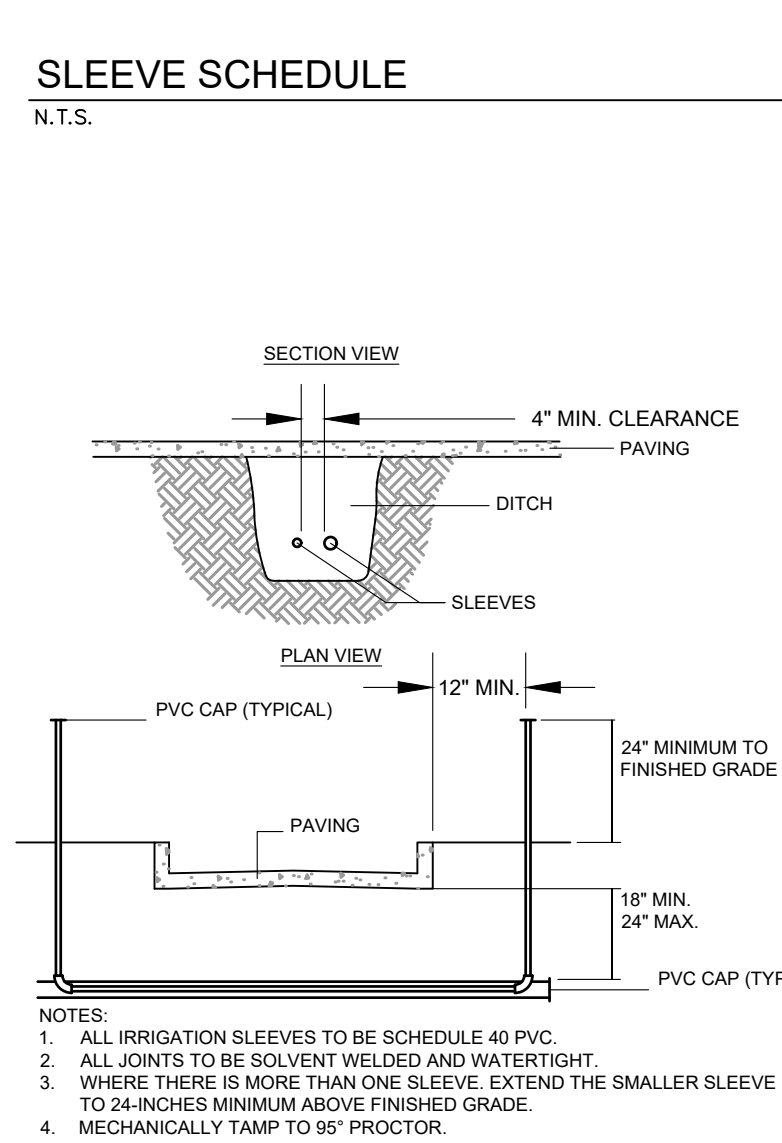
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SHEET NUMBER
LI 1.02



SLEEVE SCHEDULE
N.T.S.

PVC PIPE SIZE	SOLVENT WELD SCH. 40 FITTINGS	BELL AND GASKET FITTINGS	SOCKETED PIPE
1/2"	2"	-	2"
3/4"	2"	-	2"
1"	2 1/2"	-	2 1/2"
1 1/4"	3"	-	3"
1 1/2"	3"	3"	3"
2"	4"	4"	4"
2 1/2"	6"	6"	4"
3"	6"	6"	6"
4"	8"	8"	4"



GENERAL IRRIGATION SPECIFICATIONS AND NOTES

A. EXTENT:
INCLUDES FURNISHING ALL LABOR, MATERIALS AND EQUIPMENT FOR THE PROPER INSTALLATION OF THE IRRIGATION SYSTEM. THE WORK INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING: (1) TRENCHING AND BACKFILL, (2) AUTOMATICALLY CONTROLLED LOW VOLUME IRRIGATION SYSTEM, (3) TEST ALL SYSTEMS AND MAKE OPERATIVE, (4) "AS-BUILT" DRAWINGS.

B. GENERAL:

- PERMITS AND FEES: OBTAIN ALL PERMITS AND PAY REQUIRED FEES TO ANY GOVERNMENTAL AGENCY HAVING JURISDICTION OVER THE WORK. INSPECTIONS REQUIRED BY LOCAL ORDINANCES DURING THE COURSE OF CONSTRUCTION SHALL BE ARRANGED AS REQUIRED. ON COMPLETION OF THE WORK, SATISFACTORY EVIDENCE SHALL BE FURNISHED TO THE OWNER'S CONSTRUCTION REPRESENTATIVE TO SHOW THAT ALL WORK HAS BEEN INSTALLED IN ACCORDANCE WITH THE TEXAS BUILDING CODE - PLUMBING / APPENDIX "F" AND CODE REQUIREMENTS.
- APPROVAL: WHEREVER THE TERMS "APPROVE" OR "APPROVED" ARE USED IN THE SPECIFICATIONS, THEY SHALL MEAN THE APPROVAL OF THE OWNER'S CONSTRUCTION REPRESENTATIVE IN WRITING.
- BEFORE ANY WORK IS STARTED, A CONFERENCE SHALL BE HELD BETWEEN THE CONTRACTOR AND THE OWNER'S CONSTRUCTION REPRESENTATIVE CONCERNING THE WORK UNDER THIS CONTRACT.
- COORDINATION: COORDINATE AND COOPERATE WITH OTHER CONTRACTORS TO ENABLE THE WORK TO PROCEED AS RAPIDLY AND EFFICIENTLY AS POSSIBLE.
- INSPECTION OF SITE:
 - CONTRACTOR SHALL ACQUAINT HIMSELF WITH ALL SITE CONDITIONS. SUBMISSION OF HIS PROPOSAL SHALL BE CONSIDERED EVIDENCE THAT THE EXAMINATION HAS BEEN CONDUCTED. SHOULD UTILITIES NOT SHOWN ON THE PLANS BE FOUND DURING EXCAVATIONS, CONTRACTOR SHALL PROMPTLY NOTIFY THE OWNER'S CONSTRUCTION REPRESENTATIVE FOR INSTRUCTIONS AS TO FURTHER ACTION. FAILURE TO DO SO WILL MAKE CONTRACTOR LIABLE FOR ANY AND ALL DAMAGE THERE TO ARISING FROM HIS OPERATIONS SUBSEQUENT TO DISCOVERY OF SUCH UTILITIES NOT SHOWN IN PLANS.
 - CONTRACTOR SHALL MAKE NECESSARY ADJUSTMENTS IN THE LAYOUT AS MAY BE REQUIRED TO CONNECT TO EXISTING SUBOUTS, SHOULD SUCH STUBS NOT BE LOCATED EXACTLY AS SHOWN, AND AS MAY BE REQUIRED TO WORK AROUND EXISTING WORK AT NO INCREASE IN COST TO THE OWNER'S CONSTRUCTION REPRESENTATIVE.
- PROTECTION OF EXISTING PLANTS AND SITE CONDITIONS: THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO PROTECT SITE CONDITIONS TO REMAIN. SHOULD DAMAGE BE INCURRED, THE CONTRACTOR SHALL REPAIR THE DAMAGE TO ITS ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.
- THE OWNER RESERVES THE RIGHT TO SUBSTITUTE, ADD, OR DELETE ANY MATERIAL OR WORK AS THE WORK PROGRESSES. ADJUSTMENTS TO THE CONTRACT PRICE SHALL BE NEGOTIATED IF DEEMED NECESSARY BY THE OWNER ON A PER DIEM BASIS.
- THE OWNER RESERVES THE RIGHT TO REJECT MATERIAL OR WORK WHICH DOES NOT CONFORM TO THE CONTRACT DOCUMENTS. REJECTED WORK SHALL BE REMOVED OR CORRECTED AT THE EARLIEST TIME POSSIBLE.
- WORK SCHEDULE: WITHIN 10 DAYS AFTER AWARD OF THE CONTRACT, THE CONTRACTOR SHALL SUBMIT TO THE OWNER A WORK SCHEDULE.
- "AS-BUILT" IRRIGATION DRAWINGS: PREPARE AN "AS-BUILT" DRAWING ON A BLUEPRINT WHICH SHALL SHOW DEVIATIONS FROM THE BID DOCUMENTS MADE DURING CONSTRUCTION AFFECTING THE MAIN LINE PIPE, CONTROLLER LOCATIONS, REMOTE CONTROL VALVES AND QUICK COUPLING VALVES. THE DRAWINGS SHALL ALSO INDICATE AND SHOW APPROVED SUBSTITUTIONS OF SIZE, MATERIAL AND MANUFACTURERS NAME AND CATALOG NAME AND CATALOG NUMBER. THE DRAWINGS SHALL BE DELIVERED TO THE TENANTS CONSTRUCTION REPRESENTATIVE BEFORE FINAL ACCEPTANCE OF WORK.
- FINAL ACCEPTANCE: FINAL ACCEPTANCE OF THE WORK MAY BE OBTAINED FROM THE OWNER'S CONSTRUCTION REPRESENTATIVE UPON THE SATISFACTORY COMPLETION OF ALL WORK.
- GUARANTEE: ALL WORK SHALL BE GUARANTEED FOR ONE YEAR FROM DATE OF ACCEPTANCE AGAINST ALL DEFECTS IN MATERIAL, EQUIPMENT AND WORKMANSHIP. GUARANTEE SHALL ALSO COVER REPAIR OF DAMAGE TO ANY PART OF THE PREMISES RESULTING FROM LEAKS OR OTHER DEFECTS IN MATERIAL, EQUIPMENT AND WORKMANSHIP TO THE SATISFACTION OF THE TENANT'S CONSTRUCTION REPRESENTATIVE. REPAIRS, IF REQUIRED, SHALL BE DONE PROMPTLY AT NO COST TO THE OWNER.
- A LAMINATED PLAN (8 1/2 X 11) SHOWING THE DIFFERENT IRRIGATION ZONES IN COLOR, PREPARED BY THE IRRIGATION CONTRACTOR, SHALL BE POSTED IN THE MECHANICAL ROOM.

C. MATERIALS:

- GENERAL: ALL MATERIALS THROUGHOUT THE SYSTEM SHALL BE NEW AND IN PERFECT CONDITION.
- PLASTIC PIPING: ALL MAIN LINES AND LATERAL LINES SHALL BE CLASS 200 POLYVINYL CHLORIDE (PVC) PIPE AND SHALL COMPLY WITH ONE OF THE FOLLOWING STANDARDS: ASTM D 1785, ASTM D-2241, AWWA C-900, OR AWWA C-905. SDR-PP PIPE SHALL HAVE A MINIMUM WALL THICKNESS AS REQUIRED BY SDR-26. PVC GASKETS/FITTINGS SHALL CONFORM TO ASTM D 3139. GASKETS SHALL CONFORM TO ASTM F 477. SOLVENT-WELD PVC PIPE FITTINGS SHALL MEET THE REQUIREMENTS OF SCHEDULE 40 AS SET FORTH IN ASTM D 2466. THREADED PVC PIPE FITTINGS SHALL MEET THE REQUIREMENTS OF SCHEDULE 40 AS SET FORTH IN ASTM D 2484. CONFORMING TO ASTM D-1784 AND D-2241.
- PLASTIC FITTINGS: ALL SOLVENT-WELD PVC FITTINGS SHALL MEET THE REQUIREMENTS OF SCHEDULE 40 AS SET FORTH IN ASTM D 2466. SCHEDULE 40 SOLVENT-WELD, POLYVINYL CHLORIDE (PVC) STANDARD WEIGHT AS MANUFACTURED BY SLOANE, LASCO, OR APPROVED EQUAL.
- SOLVENT CEMENT: PVC CEMENT SHALL MEET ASTM D 2564 AND PVC CLEANER-TYPE SHALL MEET ASTM F 656.
- SPRINKLER HEAD RISERS: SCHEDULE 40 PVC FOR RISERS. PIPE SHALL BE CUT WITH A STANDARD PIPE CUTTING TOOL WITH SHARP CUTTERS. REAM ONLY TO FULL DIAMETER OF PIPE AND CLEAN ALL ROUGH EDGES OR BURRS. CUT ALL THREADS ACCURATELY WITH SHARP DIES. NOT MORE THAN THREE(3) FULL THREADS SHALL SHOW BEYOND FITTINGS WHEN PIPE IS MADE UP. ASSEMBLIES SHALL BE AS DETAILED.
- AUTOMATIC CONTROLLER: SEE LEGEND
- REMOTE CONTROL VALVES: SEE LEGEND
- CONTROL WIRING: 24 VOLT SOLID UL APPROVED FOR DIRECT BURIAL IN GROUND. MINIMUM WIRE SIZE: 16 GAUGE. ALL SPLICES SHALL BE MADE WITH VALVE BOX.
- SLEEVES FOR CONTROL WIRING: UNDER ALL WALKS AND PAVED AREAS AND WHERE INDICATED ON DRAWINGS. MINIMUM PVC SCHEDULE 40 PLASTIC PIPE.
- SPRINKLER HEADS/ DRIP LINE: SEE LEGEND
- QUICK COUPLING VALVES: SHALL BE NOTED ON DRAWINGS.

D. WORKMANSHIP:

- LAY OUT WORK AS ACCURATELY AS POSSIBLE TO THE DRAWINGS. THE DRAWINGS, THOUGH CAREFULLY DRAWN, ARE GENERALLY DIAGRAMMATIC TO THE EXTENT THAT SWING JOINTS, OFFSETS, AND ALL FITTINGS ARE NOT SHOWN.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR FULL AND COMPLETE COVERAGE OF ALL IRRIGATED AREAS AND SHALL MAKE ANY NECESSARY MINOR ADJUSTMENTS AT NO ADDITIONAL COST TO THE OWNER'S CONSTRUCTION REPRESENTATIVE.
- ANY MAJOR REVISIONS TO THE IRRIGATION SYSTEM MUST BE SUBMITTED AND ANSWERED IN WRITTEN FORM, ALONG WITH ANY CHANGE IN CONTRACT PRICE.

E. INSTALLATION:

- EXCAVATION AND TRENCHING:
 - PERFORM ALL EXCAVATIONS AS REQUIRED FOR THE INSTALLATION OF THE WORK INCLUDING UNDER THIS SECTION, INCLUDING SHORING OF EARTH BANKS TO PREVENT CAVE-INS. RESTORE ALL SURFACES, EXISTING UNDERGROUND INSTALLATIONS, ETC., DAMAGED OR CUT AS A RESULT OF THE EXCAVATIONS TO AND IN A MANNER APPROVED BY THE OWNER.
 - TRENCHES SHALL BE MADE WIDE ENOUGH TO ALLOW A MINIMUM OF 6 INCHES BETWEEN PARALLEL PIPE LINES. TRENCHES FOR PIPE LINES SHALL BE MADE OF SUFFICIENT DEPTHS TO PROVIDE THE MINIMUM COVER FROM FINISH GRADE AS FOLLOWS:
 - 24" MINIMUM BELOW BOTTOM PAVEMENT PER SLEEVING INSTALLATION DETAIL THIS SHEET
 - MINIMUM COVER OVER IRRIGATION LINES TO HEADS/ DRIPLINE EXCEPT VEHICLE TRAFFIC AREAS ARE AS FOLLOWS:
 - 12" COVER OVER LATERALS
 - 18" COVER OVER MAINLINE
 - MAINTAIN ALL WARNING SIGNS, SHORING, BARRICADES, FLARES AND RED LANTERNS AS REQUIRED BY THE SAFETY ORDERS OF THE DIVISION OF INDUSTRIAL SAFETY AND LOCAL ORDINANCES.

2. PIPE LINE ASSEMBLY:

- INSTALL REMOTE CONTROL VALVES WHERE SHOWN AND GROUP TOGETHER WHERE PRACTICAL. PLACE NO CLOSER THAN 6 INCHES TO WALK EDGES, BUILDINGS AND WALLS.
- PLASTIC PIPE AND FITTINGS SHALL BE SOLVENT WELDED USING SOLVENTS AND METHODS RECOMMENDED BY MANUFACTURER OF THE PIPE, EXCEPT WHERE SCREWED CONNECTIONS ARE REQUIRED. PIPE AND FITTINGS SHALL BE THOROUGHLY CLEANED OF DIRT, DUST AND MOISTURE BEFORE APPLYING SOLVENT WITH A NON-SYNTHETIC BRISTLE BRUSH.
- PIPE MAY BE ASSEMBLED AND WELDED ON THE SURFACE. SNAKE PIPE FROM SIDE TO SIDE OF TRENCH BOTTOM TO ALLOW FOR EXPANSION AND CONTRACTION.
- MAKE ALL CONNECTIONS BETWEEN PLASTIC PIPE AND METAL VALVES OR STEEL PIPE WITH THREADED FITTINGS USING PLASTIC MALE ADAPTERS.

3. SPRINKLER HEADS/ DRIPLINE:

- INSTALL ALL SPRINKLERS/ DRIPLINE AS DETAILED ON DRAWINGS.
- DO NOT SCALE PLANS FOR EXACT HEAD LOCATION.
- PROVIDE A MINIMUM OF 4" BETWEEN SPRINKLERS/ DRIPLINE AND PAVEMENT/ BUILDINGS.

4. CLOSING OF PIPE AND FLUSHING LINES:

- CAP OR PLUG ALL OPENINGS AS SOON AS LINES HAVE BEEN INSTALLED TO PREVENT THE ENTRANCE OF MATERIALS THAT WOULD OBSTRUCT THE PIPE. LEAVE IN PLACE UNTIL REMOVAL IS NECESSARY FOR COMPLETION OF INSTALLATION.
- THOROUGHLY FLUSH OUT ALL WATER LINES BEFORE INSTALLING HEADS, DRIPLINE, VALVES AND OTHER HYDRANTS.
- TEST IN ACCORDANCE WITH PARAGRAPH ON HYDROSTATIC TESTS.
- UPON COMPLETION OF THE TESTING, THE CONTRACTOR SHALL COMPLETE ASSEMBLY AND ADJUST SPRINKLER HEADS FOR PROPER DISTRIBUTION.

5. INSPECTIONS:

- SPRINKLER/ DRIPLINE LAYOUT AND SPACING INSPECTION: VERIFICATION THAT THE IRRIGATION DESIGN IS ACCURATELY INSTALLED IN THE FIELD. IT WILL ALSO PROVIDE FOR ALTERATION OR MODIFICATION OF THE SYSTEM TO MEET FIELD CONDITIONS. SPACING SHOULD BE WITHIN 5% OF THE DESIGN SPACING.
- PIPE INSTALLATION DEPTH INSPECTION: ALL PIPES IN THE SYSTEM SHALL BE INSTALLED TO DEPTHS AS PREVIOUSLY DESCRIBED IN SECTION "E" OF THESE SPECIFICATIONS.
- OPEN TRENCH INSPECTION: THE TRENCH AND ALL JOINTS AND EVERY TRANSITION IN PIPE SIZE, WILL BE OPEN WHERE OPEN TRENCH INSPECTION IS REQUIRED.
- INSPECTIONS WILL BE PERFORMED THROUGHOUT THE DURATION OF THE INSTALLATION. INSPECTION MAY BE MADE BY THE GOVERNING AGENCY/ OWNER TO ENSURE COMPLIANCE WITH DESIGN INTENT, SPECIFICATIONS, AND THE IRRIGATION CODES.

6. HYDROSTATIC TESTS:

- REQUEST THE PRESENCE OF THE OWNER IN WRITING AT LEAST 48 HOURS IN ADVANCE OF TESTING.
- TESTING TO BE ACCOMPLISHED AT THE EXPENSE OF THE CONTRACTOR AND IN THE PRESENCE OF THE OWNER.
- CENTER LOAD PIPING WITH SMALL AMOUNT OF BACKFILL TO PREVENT ARCHING OR SLIPPING UNDER PRESSURE.
- APPLYING A CONTINUOUS AND STATIC WATER PRESSURE OF 125 PSI WHEN WELDED PLASTIC JOINTS HAVE CURED AT LEAST 3 HOURS AND WITH THE RISERS CAPPED AS FOLLOWS:
 - MAIN LINES AND SUBMAINS TO BE TESTED FOR 2 HOURS.
 - NO PRESSURE LOSS IS ALLOWED FOR SOLVENT WELD MAINLINE/ PIPE.

E. FOR PVC AND O-RING GASKET PIPE THE ALLOWABLE LEAKAGE SHALL NOT EXCEED THE NUMBER OF GALLONS PER HOUR AS DETERMINED BY THE FOLLOWING FORMULA:

L=NPD² 1,850

IN WHICH:
L=ALLOWABLE LEAKAGE, IN GALLONS PER HOUR
N=NUMBER OF JOINTS
D=PIPE DIAMETER IN INCHES
P=AVERAGE TEST PRESSURE IN PSI GAUGE

F. REPAIR LEAKS RESULTING FROM TESTS.

7. AUTOMATIC CONTROLLERS:

- CONNECT REMOTE CONTROL VALVES TO CONTROLLER IN A CLOCKWISE SEQUENCE TO CORRESPOND WITH STATION SETTING BEGINNING WITH STATIONS 1, 2, 3, ETC.

8. AUTOMATIC CONTROL WIRING:

- INSTALL CONTROL WIRING, SPRINKLER MAINS AND LATERALS IN COMMON TRENCHES WHEREVER POSSIBLE.
- INSTALL CONTROL WIRES AT LEAST 18" BELOW FINISHED GRADE AND SNAKE WIRE SIDE TO SIDE IN TRENCH BELOW MAIN LINE. EXPANSION CURLS SHALL BE PROVIDED WITH THREE (3) FEET OF EACH WIRE CONNECTION TO SOLENOID AND AT LEAST EVERY THREE HUNDRED (300) FEET IN LENGTH. (EXPANSION CURLS ARE PROVIDED BY WRAPPING AT LEAST FIVE (5) TURNS OF WIRE AROUND A ROD OR PIPE 1" OR MORE IN DIAMETER, THEN WITHDRAWING THE ROD).
- CONTROL WIRE SPLICES WILL BE ALLOWED ONLY RUNS OVER 1000 FT. CONNECTIONS SHALL BE IN VALVE BOX AND LOCATION TO BE SHOWN ON AS-BUILT PLANS.
- ALL WIRING PASSING UNDER EXISTING OR FUTURE PAVING, CONSTRUCTION, ETC., SHALL BE ENCASED IN PLASTIC OR GALVANIZED STEEL CONDUIT EXTENDING AT LEAST 24" BEYOND EDGES OF PAVING OR CONSTRUCTION.

9. BACKFILL AND COMPACTING:

- AFTER SYSTEM IS OPERATING AND REQUIRED TESTS AND INSPECTIONS HAVE BEEN MADE, BACKFILL EXCAVATIONS AND TRENCHES WITH CLEAN SOIL, FREE OF RUBBISH. INITIAL BACKFILL MATERIAL TO 6 INCHES ABOVE THE TOP OF PIPE SHALL BE FREE OF ROCKS OR STONES LARGER THAN ONE INCH IN DIAMETER. FINAL BACKFILL MATERIAL SHALL BE FREE OF ROCKS OR STONES LARGER THAN 3 INCHES IN DIAMETER.
- BACKFILL FOR ALL TRENCHES, REGARDLESS OF THE TYPE OF PIPE COVERED, SHALL BE COMPACTED TO MINIMUM 90% DENSITY.
- COMPACT TRENCHES IN AREAS TO BE PLANTED BY THOROUGHLY FLOODING THE BACKFILL. JETTING PROCESS MAY BE USED IN THOSE AREAS.
- DRESS OFF ALL AREAS TO FINISH GRADES.

10. PROTECTIVE RADIUS OF EXISTING TREES:

- AN AUGER IS TO BE USED TO TUNNEL UNDER EXISTING TREES IF IRRIGATION IS INSTALLED WITHIN THE PROTECTIVE RADIUS OF EXISTING TREES AND ONLY IF THERE IS NO OTHER OPTION OR TO DO SO CREATES AN UNREASONABLE HARDSHIP.

1. REMOVE FROM THE SITE ALL DEBRIS RESULTING FROM WORK OF THIS SECTION.

F. CLEAN-UP:

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
 Phone: (281) 475-2816

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

SHEET NUMBER
LI 2.01

KHA PROJECT	067792503	DATE	12/11/2019	SCALE	AS SHOWN	DESIGNED BY	KAU	DRAWN BY	EC KAU	CHECKED BY	KAU	
ADDENDUM #1		ADDENDUM #2		ADDENDUM #3		ADDENDUM #4		ADDENDUM #5		ADDENDUM #6		
09/06/19	KS	10/24/2019	KU	12/11/2019	KU							
											DATE	BY
IRRIGATION DETAILS & SPECS											ADDISON	DALLAS, TEXAS
ADDISON GALAXY FBO 15601 ADDISON RD. PREPARED FOR BLACK FOREST VENTURE											SHEET NUMBER	LI 2.01