

METRO HANGAR RAMP IMPROVEMENTS

TOWN OF ADDISON ADDISON AIRPORT ADDISON, TEXAS



LOCATION MAP



ITEMS OF WORK
RECONSTRUCTION OF A PORTION OF THE METRO HANGAR RAMP
LOCATED NEAR THE INTERSECTION OF TAXIWAYS ALPHA AND QUEBEC

GARVER PROJECT NO. 11081120
BID NO. 12-05
JANUARY 2012



3010 Gaylord Parkway
Suite 190
Frisco, TX 75034
(972) 377-7480



VICINITY MAP
NO SCALE



REGISTRATION NO.
F-5713



REV.	DATE	DESCRIPTION	BY

ADDISON AIRPORT
ADDISON, TX
METRO HANGAR RAMP
IMPROVEMENTS

COVER SHEET

JOB NO.: 11081120
DATE: JAN., 2012
DESIGNED BY: BCB
DRAWN BY: BCB

BAR IS ONE INCH ON ORIGINAL DRAWING
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

SHEET NUMBER

G-101

*Finished
4/19/12*

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 Last Plotted by: Mitchell, R Plot Date: 1/24/2012 2:07 PM Plot Scale: 1:2
 Last Saved by: Mirmiceneally Plot Date: 1/24/2012 2:05 PM Plot Scale: 1:2
 Last Printed by: Mirmiceneally Plot Date: 1/24/2012 2:07 PM Plot Scale: 1:2
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Refugio Hernandez, Jr.
Technical Supervisor
 jrherandez@alphatesting.com

ALPHA TESTING
 2209 Wisconsin Street, Suite 100
 Dallas, Texas 75229
 Dallas • Ft. Worth • San Antonio

Tel: 972.620.8911 Ext 131
Fax: 972.406.8023
Mobile: 972.880.0233
Website: www.alphatesting.com



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 &
 Small Business*

NU APPROACH PROVEN PERFORMANCE

Sal Murillo
 Estimating/Field Operations

P O BOX 270416 Flower Mound, Texas 75027
 O-(940) 891-4000 F-(469) 293-6164 Cell-(817) 821-8358
 salnuway@gmail.com



Joseph T. McAnally
Operations Manager

16051 Addison Rd., Ste. 220
 Addison, TX 75001

972-392-4850 Main
 972-392-4861 Direct
 214-517-9451 Cell
 972-788-9334 Fax
 joe.mcanally@addisonairport.net



Joel Jenkinsor
Airport Director

16051 Addison Road
 Suite 220
 Addison, TX 75001

972-392-4850 Mair
 972-788-9334 Fax
 joel.jenkinsor@addisonairport.net
 http://www.addisonairport.net



Dave Foster
Maintenance Manager

16051 Addison Rd., Ste. 220
 Addison, TX 75001

972-392-4850 Mair
 972-392-4852 Direct
 972-788-9334 Fax
 david.foster@addisonairport.net



TOWN OF ADDISON

Addison Airport – Metro Hangar Ramp Improvements

PRECONSTRUCTION CONFERENCE AGENDA March 14, 2012, 1:30 P.M.

I. INTRODUCTION OF PARTIES

II. REQUIREMENTS

1. Material Submittals:
 - See submittal review log for approved submittals
 - Barricades must be on-site before construction may begin
2. Driver Training
 - Only personnel that have completed the Airport's driver training program may have unescorted access to the project site.
 - All other personnel must be accompanied by an individual who has completed driver training.
 - DO NOT cross the non-movement area boundary marking. Failure to comply will result in a fine and suspension of construction activity.

III. SCHEDULE

1. Working Hours - Mon.-Fri. 7:00am-7:00pm, Sat.&Sun. 8:00am-7:00pm. **No construction may be performed outside of working hours.** Activities that are construction related that do not generate noise are permissible (i.e. picking up trash, cleaning up FOD, etc.).

IV. INSPECTION & TESTING

1. Inspection will be provided by the Town of Addison and testing by Alpha Testing. All initial inspections and testing will be at the expense the Town of Addison. All subsequent inspections and testing are at the expense of the contractor in accordance with the contract documents. All inspections and testing must be scheduled through Alpha Testing at least 48 hours in advance. **Improvements installed and not inspected will be removed and reconstructed at the contractor's expense.**

*I am to call Alpha for test scheduling 24 hr. notice,
Aircraft ROW*

V. COMMUNICATION

1. The following individuals may be reached at:

<u>Contact Name</u>	<u>Representing</u>	<u>Phone Numbers</u>	
Joseph McAnally Airport Operations	Addison Airport	972-392-4850 214-517-9451	Office Mobile
Frank McIlwain, P.E. Engineer of Record	Garver	972-377-7480 <i>214-250-3967</i>	Office Mobile
Mitchell McAnally, EIT Project Engineer	Garver	972-377-7480 <i>469-964-6747</i>	Office Mobile
<i>NuWay Const Site Supervisor</i>	<i>Sal Munnillo</i>	<i>817-821-8358</i>	Office Mobile
<i>Dave Wilde PW Insp.</i>	<i>TOA</i>	<i>972-450-2847 214-215-6528</i>	Office Mobile
<i>Leonard Munnillo Project Mgr.</i>	<i>NUWAY</i>	<i>972-310-0115</i>	Office Mobile

VI. SECURITY

1. Airport Security training and employee identification.
2. Control of Access gate.

VII. SCOPE OF WORK

1. Description of project
2. Contract with the Owner
3. Coordination with the Owner

VIII. SAFETY (FAA AC 150/5370-2)

1. Construction Safety Plan (phasing, barricades, etc.) *Mandatory AM*
2. Construction Equipment (flags, lights, radio, etc.)
3. NOTAMs -
4. Contractor Parking and Storage Area
5. Airport Emergencies
6. Cleanup
7. Utility Marking

IX. CONSTRUCTION ITEMS

1. Contract Time *30 calendar days*
2. Liquidated Damages *\$500.00/day*
3. Notice to Proceed *- 655 3/19*
4. Contractor's Construction Schedule ✓
5. Role of Construction Observer
6. Construction Staking *NuWay*
7. Quality Control & Quality Assurance *NuWay - Alpha*
8. Change Orders *me*
9. Dust Control / Sweeping
10. All Material & Equipment Storage is to be contained on site.
11. Environmental Requirements
12. No parking on city streets / active taxiways

X. WATER VALVES

1. Town Ordinances prohibit anyone (other than Town employees) from opening or closing a water valve, which is a part of the active system. The Town Engineer will coordinate activating and shutting down water valves and fire hydrants. Any scheduled shutdown must be preceded by 48-hour notice to the existing customers. This is the responsibility of the contractor and shall be coordinated with the Town Engineer.

XI. HYDRANT METERS

1. Hydrant meters shall be read at the beginning of each month. **Do not use a pipe wrench on Town fire hydrants and open the fire hydrant fully.**

XII. CONCRETE PAVING / STRUCTURE CONSTRUCTION

1. Removal limits shall not be extended past the proposed limits for form construction.
2. Form and rebar inspection shall be completed by the inspector at least twenty-four (24) hours prior to ordering concrete.
3. The inspector shall be given a full load ticket prior to the pour.
4. The following equipment shall be on-site prior to the pour:
 - a. Water Sprayer – **No other means of spreading water on the concrete for finishing will be permitted.**
 - b. Curing compound with sprayer
 - c. Vibrator
 - d. Floats with enough extensions to reach half the distance of the pour section.

medium broom finish

XIII. COORDINATION / NOTIFICATIONS

1. Utility Companies - Contact DIGTESS prior to excavation or boring operations.
2. Airport – When operations may interfere with aircraft.

XIV. FINAL

1. The Public Works Department will conduct a final walk-through when the job is complete. The Project Manager will schedule the final walk-through when it is appropriate. The final walk-through will include representatives from Public Works, Inspectors, all responsible Contractors, the Engineer and/or the Project Manager. Final Payment will not be issued until the punch-list is complete, an Affidavit of All Bills Paid and maintenance bond have been received, and the marked up plans have been delivered to the Engineer.

XV. SPECIFICS

1. All change orders shall be approved by the Town of Addison City Council.

APPROVED FOR CONSTRUCTION

By: _____

Date: _____

Submittal Review Log

FAC Furnishes corrected
FAS Submitted

PROJECT: ADS Metro Hangar Ramp Improvements
PRIME CONTRACTOR: Nu-Way Construction

11081120

Garver Submittal Number	Contractor Submittal Number	Specification Short Title	Description of Items In the Submittal (spec section #)	Date Received by Engineer	Number of Copies Received	Date Returned to Contractor*	Number of Copies Returned	Status** Code
SS-120	5	5	Site Preparation Barricades	03/08/12	1	03/08/12	1	FAC
SS-120	001A	1A	Site Preparation Construction Safety Plan	03/05/12	1	03/05/12	1	FAS
P-209	004A	4A	Crushed Aggregate Base Course Aggregate Gradation (209-2.1)	03/13/12	1	03/14/12	1	FAS
P-209	004A	4A	Crushed Aggregate Base Course Aggregate Characteristics (Alkali reactivity, LA Abrasion, Soundness, etc.)	03/05/12	1	03/05/12	1	FAS
P-501	002A	2A	Portland Cement Concrete Pavement Aggregate Gradation (501-2.1)	03/05/12	1	03/05/12	1	FAS
P-501	002A	2A	Portland Cement Concrete Pavement Aggregate Characteristics (Alkali reactivity, LA Abrasion, Soundness, D-Cracking, etc.)	03/05/12	1	03/05/12	1	FAS
P-501	002A	2A	Portland Cement Concrete Pavement Cement (501-2.2)	03/05/12	1	03/05/12	1	FAS
P-501	002A	2A	Portland Cement Concrete Pavement Cementitious Materials (501-2.3)	03/05/12	1	03/05/12	1	FAS
P-501			Portland Cement Concrete Pavement Expansion Joint Filler (501-2.4)					
P-501			Portland Cement Concrete Pavement Steel Reinforcement (501-2.6)					
P-501			Portland Cement Concrete Pavement Dowel Bars (501-2.7)					
P-501			Portland Cement Concrete Pavement Tie Bars (501-2.7)					
P-501			Portland Cement Concrete Pavement Curing Materials (501-2.9)					
P-501	002A	2A	Portland Cement Concrete Pavement Chemical Admixtures (501-2.10)	03/05/12	1	03/05/12	1	FAS
P-501			Portland Cement Concrete Pavement Epoxy-Resin (501-2.11)					
P-501	002A	2A	Portland Cement Concrete Pavement Mix Design (501-3.3)	03/05/12	1	03/05/12	1	FAS

Submittal Review Log

PROJECT: ADS Metro Hangar Ramp Improvements
 PRIME CONTRACTOR: Nu-Way Construction

11081120

Garver Submittal Number	Contractor Submittal Number	Specification Short Title	Description of Items In the Submittal (spec section #)	Date Received by Engineer	Number of Copies Received	Date Returned to Contractor*	Number of Copies Returned	Status** Code	
P-605		Joint Sealing Filler	Sealing Compound (605-2.1)						
P-605		Joint Sealing Filler	Backer Rod (605-2.2)						
P-610	002A	2A	Structural Portland Cement Concrete	Aggregates (601-2.2 and 601-2.3)	03/05/12	1	03/05/12	1	FAS
P-610	002A	2A	Structural Portland Cement Concrete	Aggregate Characteristics (Alkali reactivity, LA Abrasion, Soundness, etc.)	03/05/12	1	03/05/12	1	FAS
P-610	002A	2A	Structural Portland Cement Concrete	Cement (610-2.4)	03/05/12	1	03/05/12	1	FAS
P-610	002A	2A	Structural Portland Cement Concrete	Cementitious Materials (610-2.6)	03/05/12	1	03/05/12	1	FAS
P-610	002A	2A	Structural Portland Cement Concrete	Chemical Admixtures (610-2.6)	03/05/12	1	03/05/12	1	FAS
P-610			Structural Portland Cement Concrete	Premolded Joint Material (610-2.7)					
P-610			Structural Portland Cement Concrete	Steel Reinforcement (610-2.9)					
P-610			Structural Portland Cement Concrete	Curing Materials (610-2.10)					
P-610	002A	2A	Structural Portland Cement Concrete	Drainage Structure Mix Design (610-3.2)	03/05/12	1	03/05/12	1	FAS
D-701			Pipe for Storm Drains and Culverts	Pipe (701-2.2)					
D-701			Pipe for Storm Drains and Culverts	Gaskets (701-2.4)					
D-701			Pipe for Storm Drains and Culverts	Bedding Material (701-3.2)					
D-751	003	3	Manholes, Catch Basins, Inlets and Inspection Holes	Inlet Frame, Cover, and Grates (751-2.6)	03/02/12	1	03/05/12	1	FAS

ID	Task Name	Duration	Start	Finish	Predecessors	Resource Names	Mar 18, '12							Mar 25, '12							Apr 1, '12							Apr 8, '12						
							T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M
1	Mobilization	1 day	Mon 3/19/12	Mon 3/19/12		Nu-Way																												
2	Lay out, Saw Cutting	2 days	Mon 3/19/12	Tue 3/20/12		Nu-Way																												
3	Demolition	4 days	Tue 3/20/12	Fri 3/23/12 1		Nu-Way																												
4	Excavation, Grading	3 days	Fri 3/23/12	Tue 3/27/12	1	Nu-Way																												
5	Base Aggregate	1 day	Wed 3/28/12	Wed 3/28/12 4		Nu-Way																												
6	Concrete	2 days	Thu 3/29/12	Fri 3/30/12 5		Precision Concrete																												
7	Drain Basin	3 days	Mon 4/2/12	Wed 4/4/12 6		Nu-Way																												
8	Sealants, clean up	4 days	Thu 4/5/12	Tue 4/10/12 7		Nu-Way																												
9	Demobilization	1 day?	Wed 4/11/12	Wed 4/11/12 8		Nu-Way																												

File: L:\2011\1081120 - ADS Metro Hangar Ramp\Drawings\ADS_MHR_G102-GN.dwg Plot Date: 1/24/2012 9:20 AM Plot Scale: 1:2 Plot Size: 17.25x22.75
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 Plotter: Standard Half.ctb Plot Style: 1:2 Plot Date: 1/24/2012 9:20 AM Plot Size: 17.25x22.75

SHEET INDEX	
SHEET	TITLE
GENERAL	
G-101	COVER SHEET
G-102	SHEET INDEX, SUMMARY OF QUANTITIES & GENERAL NOTES
G-103	PROJECT LAYOUT & SAFETY PLAN
G-104	SURVEY CONTROL PLAN
CIVIL	
C-101	TYPICAL SECTIONS & DETAILS
C-102	DEMOLITION PLAN
C-103	PAVING PLAN
C-104	JOINT LAYOUT PLAN
C-105	JOINT DETAILS
MR-01	SCHEDULE I CROSS SECTIONS
MR-02	SCHEDULE II CROSS SECTIONS

SCHEDULE I SUMMARY OF QUANTITIES

ITEM	DESCRIPTION	UNIT	QUANTITY
SS-120-3.1	SITE PREPARATION	L.S.	1
SS-140-5.1	PAVEMENT REMOVAL	S.Y.	541
SS-140-5.2	CULVERT REMOVAL	L.F.	16
SS-140-5.3	INLET REMOVAL	EACH	1
P-209-5.1	CRUSHED AGGREGATE BASE COURSE (4")	S.Y.	541
P-501-8.1	PORTLAND CEMENT CONCRETE PAVEMENT (10")	S.Y.	541
D-701-5.1	24 INCH RCP (CLASS III)	L.F.	16
D-751-5.1	4'X5' SINGLE GRATE INLET (HEAVY AIRCRAFT RATED)	EACH	1

SCHEDULE II SUMMARY OF QUANTITIES

ITEM	DESCRIPTION	UNIT	QUANTITY
SS-120-3.1	SITE PREPARATION	L.S.	1
SS-140-5.1	PAVEMENT REMOVAL	S.Y.	184
P-209-5.1	CRUSHED AGGREGATE BASE COURSE (4")	S.Y.	184
P-501-8.1	PORTLAND CEMENT CONCRETE PAVEMENT (10")	S.Y.	184

GENERAL NOTES

- THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES 48 HOURS BEFORE WORK IS STARTED TO VERIFY UTILITY LOCATIONS (DIGTESS 1-800-344-8377).
- THE CONTRACTOR SHALL NOTIFY ADDISON AIRPORT OPERATIONS 48 HOURS IN ADVANCE OF CONSTRUCTION ACTIVITY TO ALLOW SUFFICIENT TIME FOR COORDINATION OF NOTAMS AND TO LOCATE AND MARK EXISTING FIELD CABLES AND TO AVOID UNSCHEDULED FACILITY OUTAGES.
- THE CONTRACTOR SHALL COMPLETE ALL WORK IN ACCORDANCE WITH THE FAA ADVISORY CIRCULAR 150/5370-2F, OR CURRENT VERSION, "OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION".
- THE CONTRACTOR'S STAGING AREA FOR OFFICE, STOCKPILE, EQUIPMENT, ENGINEER'S OFFICE, MATERIALS STORAGE AND EMPLOYEE PARKING SHALL BE NO CLOSER THAN 25 FEET FROM ANY FENCE LINE. ADDISON OPERATIONS SHALL APPROVE THE EXACT LOCATION OF THE STAGING AREA PRIOR TO ITS USE. THE SUGGESTED LOCATION IS SHOWN, OTHERS PROPOSED MAY BE ACCEPTABLE.
- THE CONTRACTOR SHALL MAINTAIN ALL EXISTING ACCESS AND HAUL ROADS OUTSIDE THE LIMITS OF CONSTRUCTION DURING CONSTRUCTION AND SHALL RESTORE THE ROADS TO A CONDITION EQUAL TO OR BETTER THAN ITS ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER. THE LOCATION OF ANY ADDITIONAL HAUL ROADS DESIRED BY THE CONTRACTOR IS SUBJECT TO THE APPROVAL OF THE AIRPORT AND ENGINEER.
- THE CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTING AND MAINTAINING TEMPORARY ACCESS AND/OR HAUL ROADS WHERE NECESSARY TO THE CONSTRUCTION LIMITS. THE CONTRACTOR SHALL COMPLETELY REMOVE THE TEMPORARY HAUL ROADS SHOWN ON THE PHASING PLANS UPON COMPLETION OF THE PROJECT AND SHALL RESTORE THE GROUND SURFACE AND TURF IN THE AREA TO ITS CONDITION PRIOR TO THIS CONSTRUCTION.
- DURING MATERIAL DELIVERY / PAVING OPERATIONS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING TRAFFIC CONTROL. TRAFFIC CONTROL SHALL BE INCIDENTAL TO THE TOTAL PROJECT.
- ALL EMPLOYEES OF THE CONTRACTOR SHALL ENTER AND EXIT THE WORK SITE AT THE DESIGNATED CONTRACTOR'S ACCESS GATE (AG). AN ADEQUATE SIGN SHALL BE PROVIDED DESIGNATING THIS GATE LOCATION AS THE "CONSTRUCTION EMPLOYEE ENTRANCE". MINIMUM REQUIREMENTS FOR AN ACCESS GATE ARE AS FOLLOWS:
 - ALL VEHICLES MUST STOP PRIOR TO ENTERING THE AIRPORT. IF A GATE GUARD IS USED, THEY MUST WAIT FOR THE GATE GUARD TO SIGNAL THEM TO PROCEED. ONLY AUTHORIZED CONTRACTORS, FAA PERSONNEL, AIRPORT PERSONNEL, AND PROJECT ENGINEERS WILL BE ALLOWED ACCESS. THE CONTRACTOR WILL FURNISH TRAINING AND WRITTEN PROCEDURES TO THE GATE GUARD THAT MUST BE FOLLOWED DURING THE PROJECT.
 - DELIVERY VEHICLES FOR THE CONTRACTOR NEED TO CHECK IN AT THE GATE. THE CONTRACTOR MUST MAINTAIN POSITIVE ESCORT CONTROL OF ALL DELIVERY VEHICLES WHILE ON SITE.
 - THE GATE GUARD SHALL BE EQUIPPED WITH A TELEPHONE TO CONTACT AIRPORT OPERATIONS IF ANY UNAUTHORIZED VEHICLE ATTEMPTS TO ENTER THE AIRPORT AIR OPERATIONS AREA.
 - A GATE GUARD IS REQUIRED WHEN THE GATE IS UNLOCKED. THE GATE MAY BE SECURED (CLOSED AND LOCKED) AFTER EACH VEHICLE IN LIEU OF USING A GATE GUARD. THE CONTRACTOR SHALL PROVIDE LOCKS ON ACCESS GATES.
 - ANY AND ALL FINES THAT MAY BE LEVIED ON THE AIRPORT FOR A SECURITY VIOLATION IN CONNECTION WITH THE ACCESS GATE OR THE CONTRACTOR'S ACTIVITIES SHALL BE PAID BY THE CONTRACTOR. THE FAA MAY ASSESS A FINE DEPENDING ON THE SERIOUSNESS OF THE INFRACTION.
 - THE CONTRACTOR SHALL AT ALL TIMES ENSURE AGAINST UNAUTHORIZED ACCESS TO THE AIRFIELD.
 - PRIVATE AND COMPANY VEHICLES OPERATING WITHIN THE AIRCRAFT OPERATION AREA (AOA) MUST HAVE A COMPANY LOGO / IDENTIFICATION ON BOTH SIDES OF THE VEHICLE. THE CONTRACTOR'S EMPLOYEES' VEHICLES PARKED IN ANY OF THE CONTRACTOR'S STAGING AREA AND NOT USED FOR CONSTRUCTION PURPOSES DO NOT REQUIRE THIS IDENTIFICATION. SIGNS AS DESCRIBED ABOVE ARE REQUIRED ON PRIVATE VEHICLES OPERATED IN AREAS OTHER THAN THE STAGING AREA, DIRECT ACCESS ROUTES TO AND FROM THE STAGING AREA AND WITHIN THE CONSTRUCTION WORK LIMITS.
- CONSTRUCTION WORK LIMITS ARE AS SHOWN ON THE PLANS. ANY AND ALL WORK CONDUCTED OUTSIDE THE CONSTRUCTION LIMITS, EXCEPT FOR MAINTENANCE ON BARRICADES SHALL BE ACCOMPLISHED WITH THE USE OF AN AIRPORT ESCORT. THE CONTRACTOR WILL PROVIDE AN ESCORT WITH A MINIMUM NOTICE OF TWO WORKING DAYS. NO WORK OR TRAVEL WILL BE PERMITTED OUTSIDE THE CONSTRUCTION LIMITS SHOWN WITHOUT PRIOR APPROVAL BY AIRPORT OPERATIONS AND AN AUTHORIZED ESCORT. AIRPORT OPERATIONS WILL NEED TO KEEP OPEN VARIOUS TAXIWAYS ADJACENT OR IN THE PROXIMITY OF OR CROSSING THE CONSTRUCTION AREA. THE WORK SHALL BE COORDINATED WITH AIRPORT OPERATIONS. NO WORK IS PERMITTED NOR ARE OPEN EXCAVATIONS, STORED MATERIALS, STOCKPILES OR EQUIPMENT ALLOWED OUTSIDE OF THE WORK AREA AS SHOWN IN THE PLANS WITHOUT PRIOR COORDINATION WITH AIRPORT OPERATIONS.
- THE CONTRACTOR'S ACCESS TO THE AIRFIELD IS LIMITED TO THE LOCATIONS AS SHOWN ON THE PLANS. ACCESS FROM THE GATE TO THE STAGING, STORAGE AND WORK AREAS SHALL BE CONFINED TO THE ROUTES SHOWN AND WITHIN THE WORK AREA LIMITS. ACCESS VIA ANY OTHER ROUTES OR GATES WILL REQUIRE PRIOR WRITTEN APPROVAL BY AIRPORT OPERATIONS.
- ANY TEMPORARY FACILITIES SHALL BE COMPLETELY REMOVED FROM THE SITE AT THE COMPLETION OF THE PROJECT AND THE SITE RESTORED TO ITS ORIGINAL CONDITION.

- CONSTRUCTION LIMITS - ALL CONTRACTOR VEHICLES AND TRAFFIC (UNLESS OTHERWISE AUTHORIZED) SHALL REMAIN WITHIN THE DESIGNATED CONSTRUCTION LIMITS OR HAUL ROUTES. CONSTRUCTION, STORAGE AND STOCKPILING LIMITS MUST BE APPROVED BY THE AIRPORT OR ENGINEER.
- FUEL, DIESEL FUEL, OR OTHER CONTAMINANTS SHALL NOT BE ALLOWED TO ENTER THE STORM SEWER SYSTEM. IF, IN THE EVENT SUCH CONTAMINANTS DO ENTER THE STORM SEWER SYSTEM OR GROUND WATER, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE AIRPORT OF THE SPILL. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL COSTS INCURRED FOR CLEANUP OF CONTAMINATED AREAS ON AND OFF AIRPORT PROPERTY.
- CAUTION SHALL BE TAKEN BY THE CONTRACTOR IN PREVENTING ANY DUST OR MUD WHICH MAY BECOME A HAZARD TO AIR AND GROUND OPERATIONS. THE CONTRACTOR SHALL CONTROL DUST AND MUD AT ALL TIMES AND MAY REQUIRE FULL TIME OPERATION WATER TRUCKS OR SWEEPERS. IF, IN THE OPINION OF THE AIRPORT OR THE ENGINEER, DUST OR MUD IS NOT BEING ADEQUATELY CONTROLLED THEY MAY SUSPEND WORK AND MAKE NECESSARY ARRANGEMENTS FOR DUST OR MUD CONTROL. THE COSTS THEREFORE SHALL BE DEDUCTED FROM THE PROGRESS PAYMENTS DUE THE CONTRACTOR.
- CONTRACTOR SHALL TAKE THE NECESSARY STEPS TO OBTAIN DRIVER'S TRAINING FOR CONTRACTOR EMPLOYEES PRIOR TO ENTERING THE AIR OPERATIONS AREA.
- MATERIAL / TOPSOIL STOCKPILES SHALL BE AT LOCATIONS APPROVED BY THE AIRPORT. MAXIMUM STOCKPILE HEIGHT IS 20 FEET.
- THE CONTRACTOR WILL ISSUE AIRPORT APPROVED LAMINATED SAFETY CARDS SHOWING THE ACCESS GATE LOCATION, CONSTRUCTION AREA, ACCESS / HAUL ROUTE, CLOSED PAVEMENTS AND RUNWAY SAFETY AREAS AND/OR ANY OTHER PERTINENT INFORMATION. THESE CARDS WILL BE SUPPLIED BY THE CONTRACTOR. THESE SAFETY CARDS WILL BE SPECIFIC TO EACH INTERMEDIATE PHASE OF THE PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR DISTRIBUTING AND COLLECTING THESE CARDS TO ALL OF THEIR EMPLOYEES, SUBCONTRACTORS AND SUPPLIER DELIVERY DRIVERS WHO WILL ENTER THE AOA. THE CONTRACTOR IS REQUIRED TO BRIEF ALL EMPLOYEES OR SUBCONTRACTORS ON AIRPORT SECURITY AND SAFETY PRIOR TO DISTRIBUTING THE SAFETY CARDS. BEFORE A NEW EMPLOYEE, SUBCONTRACTOR OR SUPPLIER BEGINS WORKING ON THE AIRPORT THE CONTRACTOR IS RESPONSIBLE TO MAKE SURE THEY ARE AWARE OF AIRPORT OPERATIONS, AS WELL AS GIVE THEM A TOUR OF THE PROJECT SITE, SHOWING THEM THE SPECIFIC WORK AREA, HAUL ROUTE AND THE MOVEMENT AREA THAT IS NOT TO ENTERED WITHOUT AIRPORT APPROVAL.
- ALL EMPLOYEES OF THE CONTRACTOR OR SUBCONTRACTORS SHALL RECEIVE VEHICLE OPERATOR/PEDESTRIAN TRAINING FROM THE PROJECT SUPERINTENDENT. ALL EMPLOYEES SHALL RECEIVE NEW TRAINING WHEN MOVED TO DIFFERENT WORK AREAS OR PHASES OF THE PROJECT. A CONTRACTOR VEHICLE OPERATOR/PEDESTRIAN TRAINING CHECKLIST IS PROVIDED IN THE CONTRACT SPECIFICATIONS. THE CONTRACTOR'S PROJECT SUPERINTENDENT SHALL MAINTAIN THE COMPLETED CHECKLIST AND PROVIDE TO AIRPORT PERSONNEL FOR INSPECTION UPON THEIR REQUEST.
- IF FOR ANY REASON, THE AIRPORT OR ENGINEER FEELS THAT SAFETY IS NOT BEING ADEQUATELY MAINTAINED, THEY MAY SUSPEND WORK UNTIL THE SAFETY ISSUE IS RESOLVED. THE COSTS THEREFORE SHALL BE DEDUCTED FROM THE PROGRESS PAYMENTS DUE THE CONTRACTOR.
- IN THE EVENT THAT UNANTICIPATED ARCHEOLOGICAL DEPOSITS ARE ENCOUNTERED DURING CONSTRUCTION, WORK IN THE IMMEDIATE AREA SHALL CEASE AND THE ENGINEER SHALL BE NOTIFIED.
- IN THE EVENT THAT UNANTICIPATED HAZARDOUS MATERIALS ARE ENCOUNTERED DURING CONSTRUCTION, WORK IN THE IMMEDIATE AREA SHALL CEASE AND THE ENGINEER SHALL BE NOTIFIED.
- STOCKPILES AND STAGING AREAS WILL NOT BE PLACED WITHIN ANY WATER OF THE UNITED STATES, INCLUDING WETLANDS.
- HAZARDOUS WASTE: ALL SPILLS MUST BE REPORTED IMMEDIATELY TO THE ENGINEER.



REGISTRATION NO. F-5713



REV.	DATE	DESCRIPTION

ADDISON AIRPORT
 ADDISON, TX
 METRO HANGAR RAMP
 IMPROVEMENTS

SHEET INDEX, SUMMARY OF QUANTITIES & GENERAL NOTES

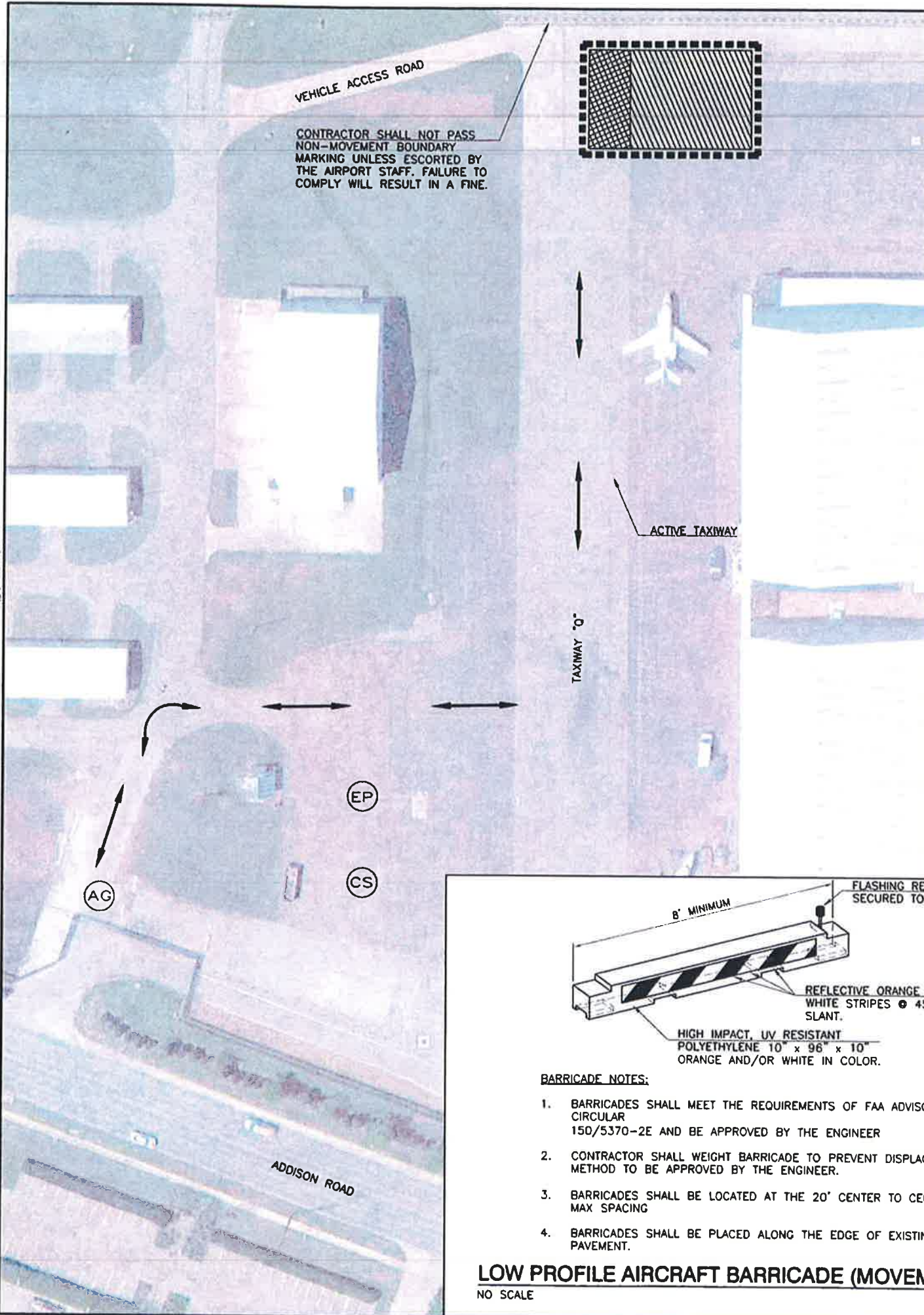
JOB NO.: 11081120
 DATE: JAN., 2012
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 DRAWN BY: BCB

BAR IS ONE INCH ON ORIGINAL DRAWING
 0"=1" OR NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

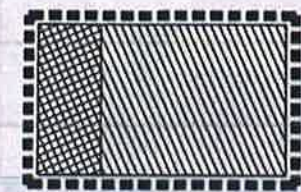
SHEET NUMBER

G-102

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VEHICLE ACCESS ROAD
 CONTRACTOR SHALL NOT PASS
 NON-MOVEMENT BOUNDARY
 MARKING UNLESS ESCORTED BY
 THE AIRPORT STAFF. FAILURE TO
 COMPLY WILL RESULT IN A FINE.



LEGEND

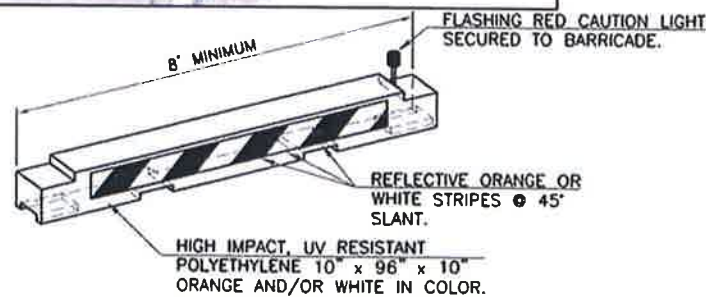
- CONTRACTOR AND VEHICLE ACCESS
- ACCESS GATE
- CONTRACTOR'S STAGING
- CONTRACTOR'S EMPLOYEE PARKING
- SCHEDULE I
- SCHEDULE II
- BARRICADES

CONTRACT TIME

PHASE	CALENDAR	DAYS
SCHEDULE I (30 DAYS)	█	█
SCHEDULE II (30 DAYS)	█	█
	0	30 60

SAFETY PLAN / WORK RESTRICTIONS

1. AIRPORT SECURITY IS A PRIMARY CONCERN OF THE AIRPORT. THE CONTRACTOR SHALL BE ALLOWED ACCESS TO THE CONSTRUCTION AREAS AT THE LOCATIONS SHOWN ON THE PLANS. THE CONTRACTOR'S ACCESS GATES INTO THE SECURED AREA OF THE AIRPORT SHALL BE KEPT GUARDED OR LOCKED AT ALL TIMES. THE CONTRACTOR SHALL BE ALLOWED ACCESS AT ADDITIONAL LOCATIONS WITH THE APPROVAL OF THE OWNER AND THE ENGINEER.
2. THE INTENT OF THE CONTRACT DOCUMENTS IS TO ORGANIZE AND CONTROL THE WORK SO THAT IT IS ACCOMPLISHED WITH MINIMUM INCONVENIENCE TO THE AIRPORT, AND TO INSURE THE SAFETY OF AIRCRAFT MOVEMENTS AT THE AIRPORT DURING THE CONSTRUCTION PERIOD. ALL WORK SHALL BE ACCOMPLISHED IN ACCORDANCE WITH FAA AC 150/5370-2F, OR LATEST VERSION.
3. CONTACT AND CONTROL SHALL BE BY TWO-WAY OPERATION RADIO, TUNED TO THE FREQUENCY SPECIFIED BY THE ENGINEER. THE RADIO SHALL BE GUARDED AT ALL TIMES DURING THE HOURS OF WORK FOR RECEIPT OF INFORMATION OR INSTRUCTIONS. THE CONTRACTOR SHALL FURNISH A MINIMUM OF TWO (2) RADIOS IN EXCELLENT WORKING CONDITION FOR THE USE OF HIS PERSONNEL. ALL RADIOS SHALL BE MAINTAINED IN GOOD AND OPERABLE CONDITION AT ALL TIMES, AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR UPON COMPLETION OF THE PROJECT.
4. AT ALL TIMES AIRCRAFT MOVEMENT SHALL HAVE THE RIGHT OF WAY OVER THE CONTRACTOR'S EQUIPMENT.
5. ALL WORK WITHIN THE AIRPORT PERIMETER FENCE SHALL BE ACCOMPLISHED AFTER NOTAMS HAVE BEEN ISSUED AND COORDINATION WITH THE OWNER, THROUGH THE ENGINEER, HAS BEEN COMPLETED.
6. ALL EQUIPMENT AND VEHICLES OPERATING INSIDE THE AIRPORT PERIMETER FENCE MUST BE MARKED WITH THE CONTRACTOR'S NAME AND BE LEGIBLE FROM 200 FEET. EQUIPMENT AND VEHICLES SHALL BE MARKED WITH 3' x 3' ORANGE CHECKED FLAGS AND YELLOW FLASHING DOME-TYPE LIGHTS (DAY OR NIGHT).
7. THE CONTRACTOR'S OPERATIONS, MOVEMENTS AND WORK ARE RESTRICTED TO THE CONSTRUCTION WORK LIMITS AS SHOWN ON THIS SHEET.
8. DURING CONSTRUCTION, THE CONTRACTOR'S EQUIPMENT WILL CROSS AN ACTIVE TAXIWAY. WORK ON AN ACTIVE TAXIWAY WILL BE LIMITED TO THE LOCATION SHOWN ON THE SAFETY AND PHASING PLANS, OR AS DIRECTED BY THE ENGINEER.
9. THE CONTRACTOR SHALL INSURE THAT THE PAVEMENT SURFACE WITHIN AN ACTIVE TAXIWAY IS KEPT CLEAN FROM DIRT, MUD, AND OTHER DEBRIS FROM THE CONTRACTOR'S EQUIPMENT.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE SECURITY OF ALL HIS/HER ACCESS GATES BY KEEPING THE ACCESS GATE LOCKED OR GUARDED AT ALL TIMES. ANY AND ALL FINES THAT MAY BE LEVIED ON THE AIRPORT FOR A SECURITY VIOLATION IN CONNECTION WITH THE ACCESS GATE OR THE CONTRACTOR'S ACTIVITIES SHALL BE PAID BY THE CONTRACTOR. THE FAA OR THE TOWN OF ADDISON MAY ASSESS A FINE DEPENDING ON THE SERIOUSNESS OF THE INFRACTION.
11. ALL VEHICLES ARE PROHIBITED FROM ENTERING UNAUTHORIZED MOVEMENT AREAS.
12. THE CONTRACTOR SHALL PROVIDE THE NAME AND TELEPHONE NUMBER OF A PERSON TO ACT AS THE CONTRACTOR'S REPRESENTATIVE, AVAILABLE 24 HRS. PER DAY, SHOULD PROBLEMS ARISE WHICH WOULD REQUIRE THE CONTRACTOR'S IMMEDIATE ATTENTION.
13. ALL CONTRACTOR EMPLOYEES SHALL SUCCESSFULLY COMPLETE AIRFIELD DRIVER TRAINING PRIOR TO DRIVING BEYOND THE CONTRACTOR PARKING AREA. MATERIAL DELIVERIES SHALL BE ESCORTED BY SOMEONE THAT HAS SUCCESSFULLY COMPLETED AIRFIELD DRIVER TRAINING.



BARRICADE NOTES:

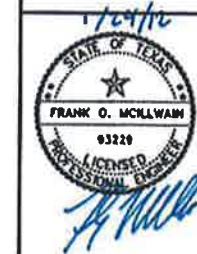
1. BARRICADES SHALL MEET THE REQUIREMENTS OF FAA ADVISORY CIRCULAR 150/5370-2E AND BE APPROVED BY THE ENGINEER
2. CONTRACTOR SHALL WEIGHT BARRICADE TO PREVENT DISPLACEMENT. METHOD TO BE APPROVED BY THE ENGINEER.
3. BARRICADES SHALL BE LOCATED AT THE 20' CENTER TO CENTER MAX SPACING
4. BARRICADES SHALL BE PLACED ALONG THE EDGE OF EXISTING PAVEMENT.

LOW PROFILE AIRCRAFT BARRICADE (MOVEMENT AREAS)

NO SCALE



REGISTRATION NO. F-5713



REV.	DATE	DESCRIPTION	BY

ADDISON AIRPORT
 ADDISON, TX
 METRO HANGAR RAMP
 IMPROVEMENTS

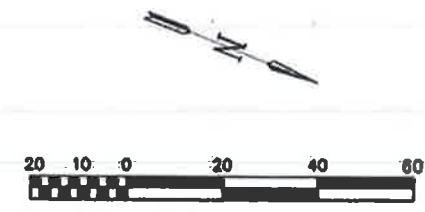
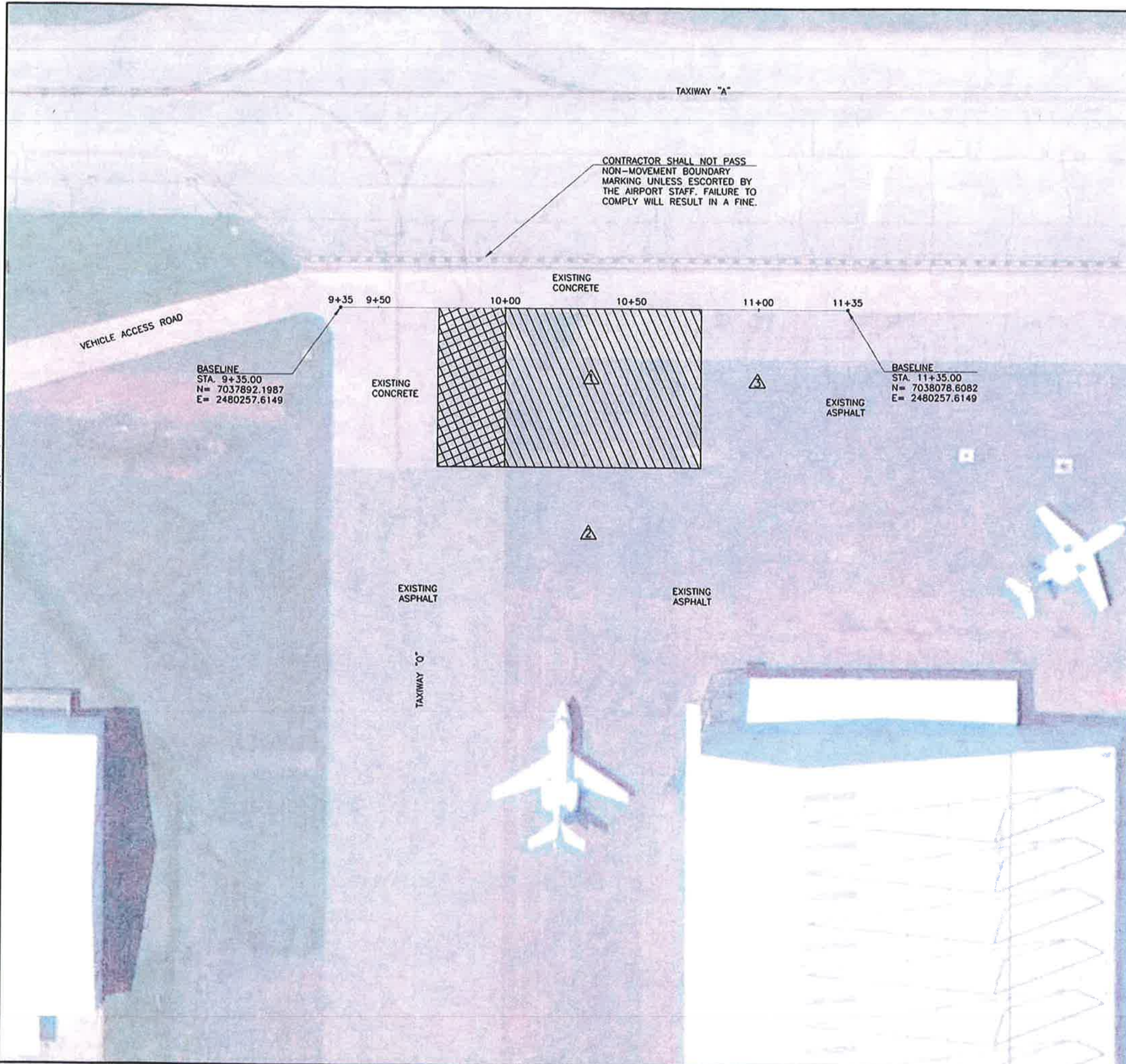
PROJECT LAYOUT & SAFETY PLAN

JOB NO.: 11081120
 DATE: JAN., 2012
 DESIGNED BY: BCB
 DRAWN BY: BCB

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LEGEND	
	SCHEDULE I PAVING LIMITS
	SCHEDULE II PAVING LIMITS

SURVEY CONTROL POINTS				
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
△	7037994.22	2480320.04	636.36	NAIL
△	7038015.71	2480377.24	636.38	NAIL
△	7038055.70	2480297.31	636.33	NAIL



REGISTRATION NO.
F-5713



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ADDISON AIRPORT
ADDISON, TX
METRO HANGAR RAMP
IMPROVEMENTS

SURVEY CONTROL PLAN

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SHEET NUMBER
G-104

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REGISTRATION NO. F-5713



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ADDISON AIRPORT
 ADDISON, TX
 METRO HANGAR RAMP
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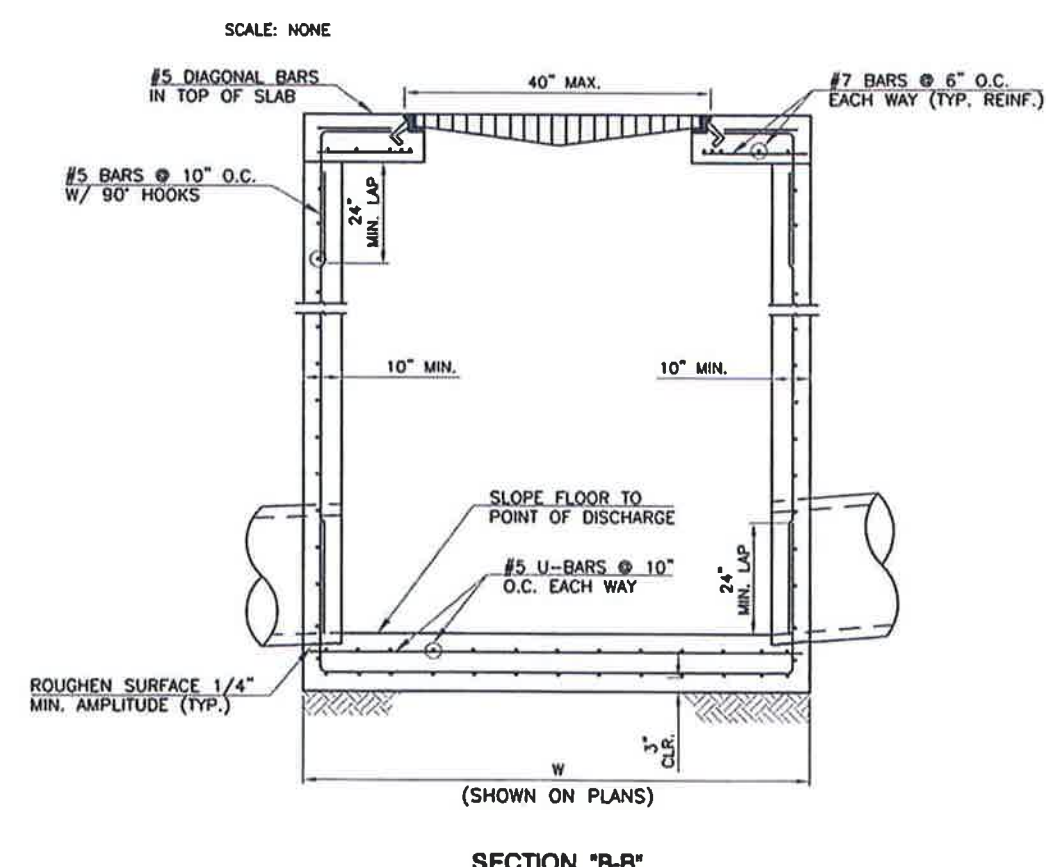
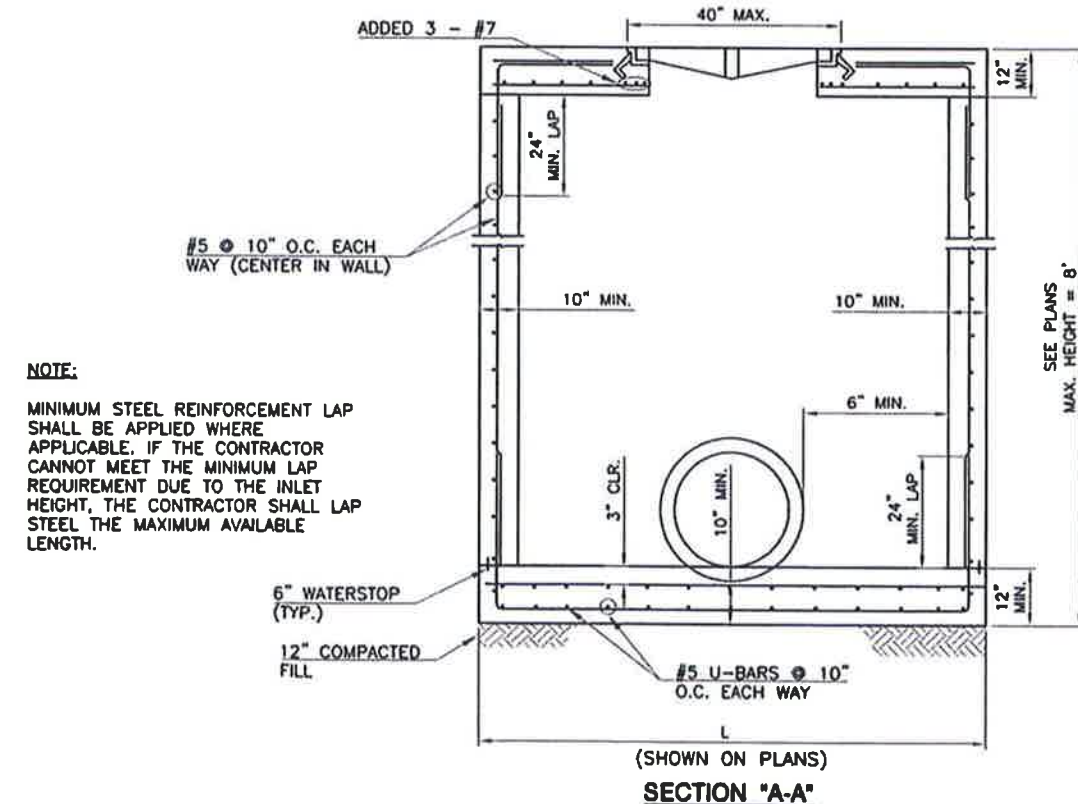
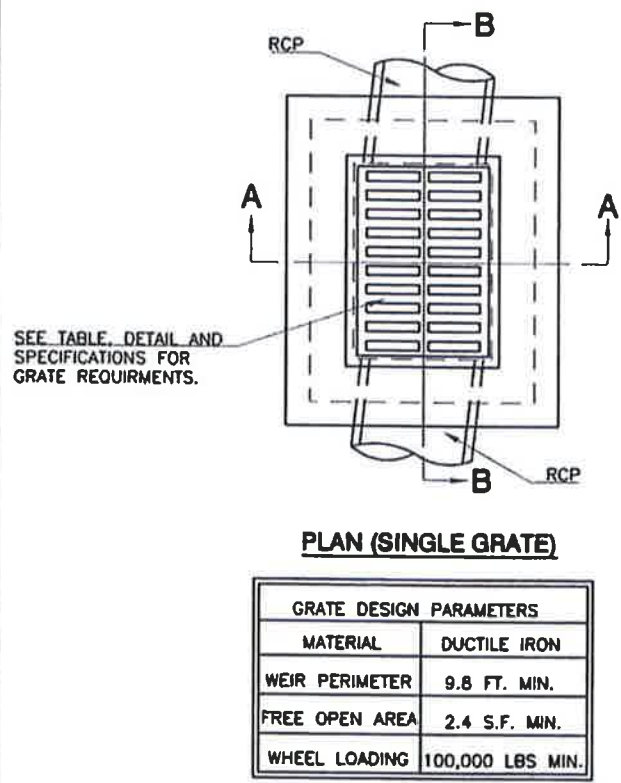
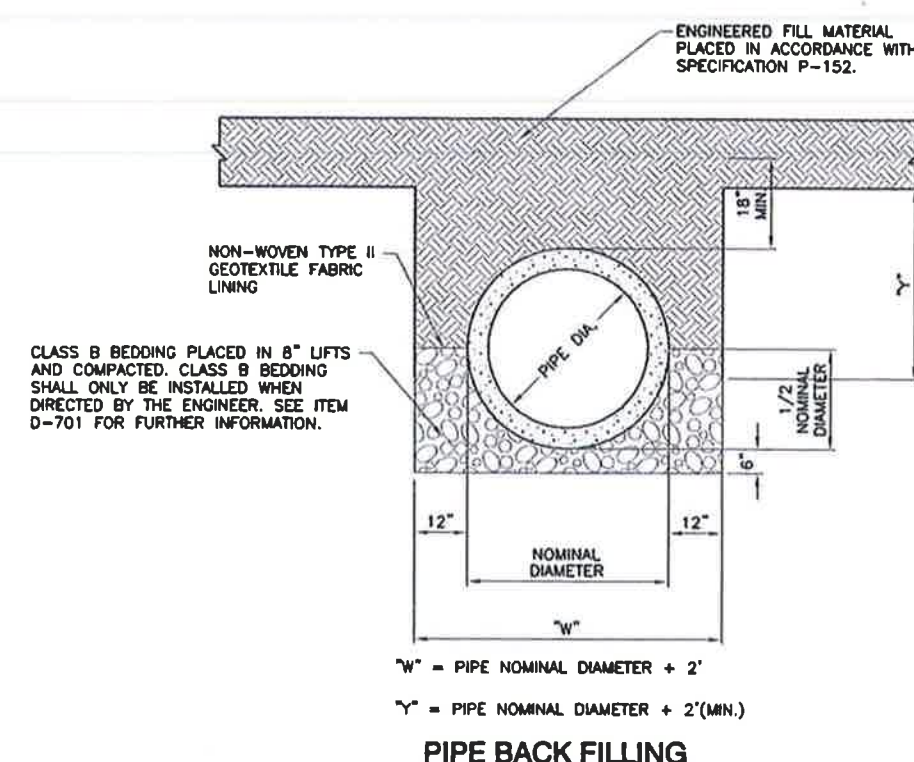
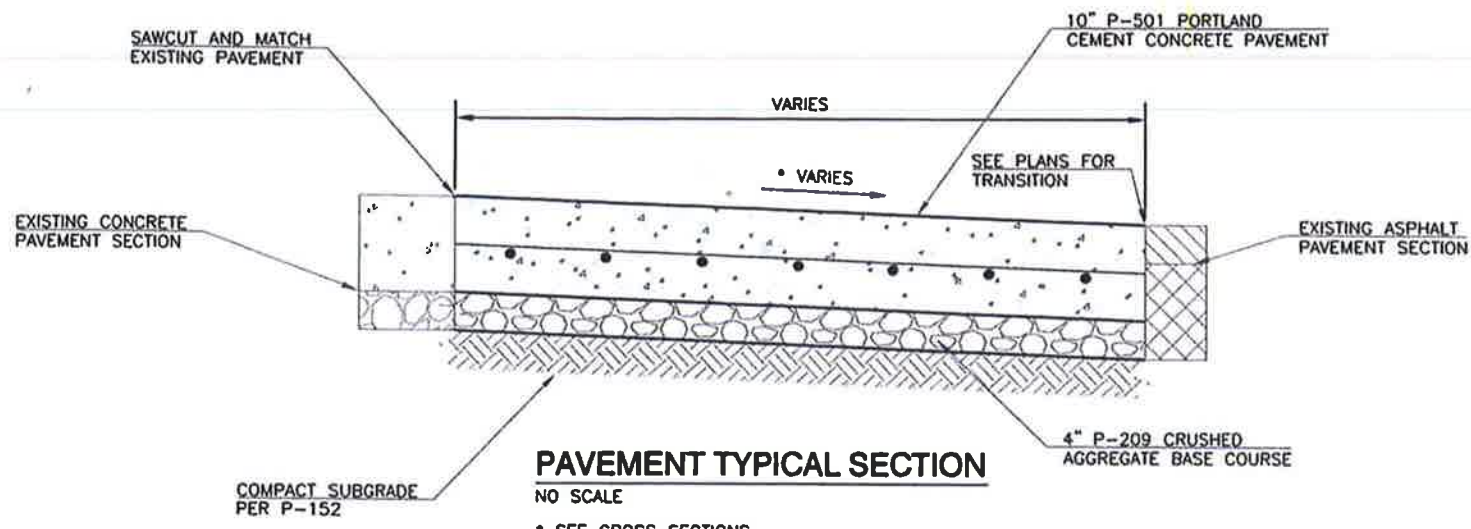
TYPICAL SECTIONS & DETAILS

JOB NO.: 11081120
 DATE: JAN., 2012
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 DRAWN BY: BCB

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SHEET NUMBER

C-101



AIRFIELD GRATE INLET (HEAVY AIRCRAFT)
 NO SCALE



Project

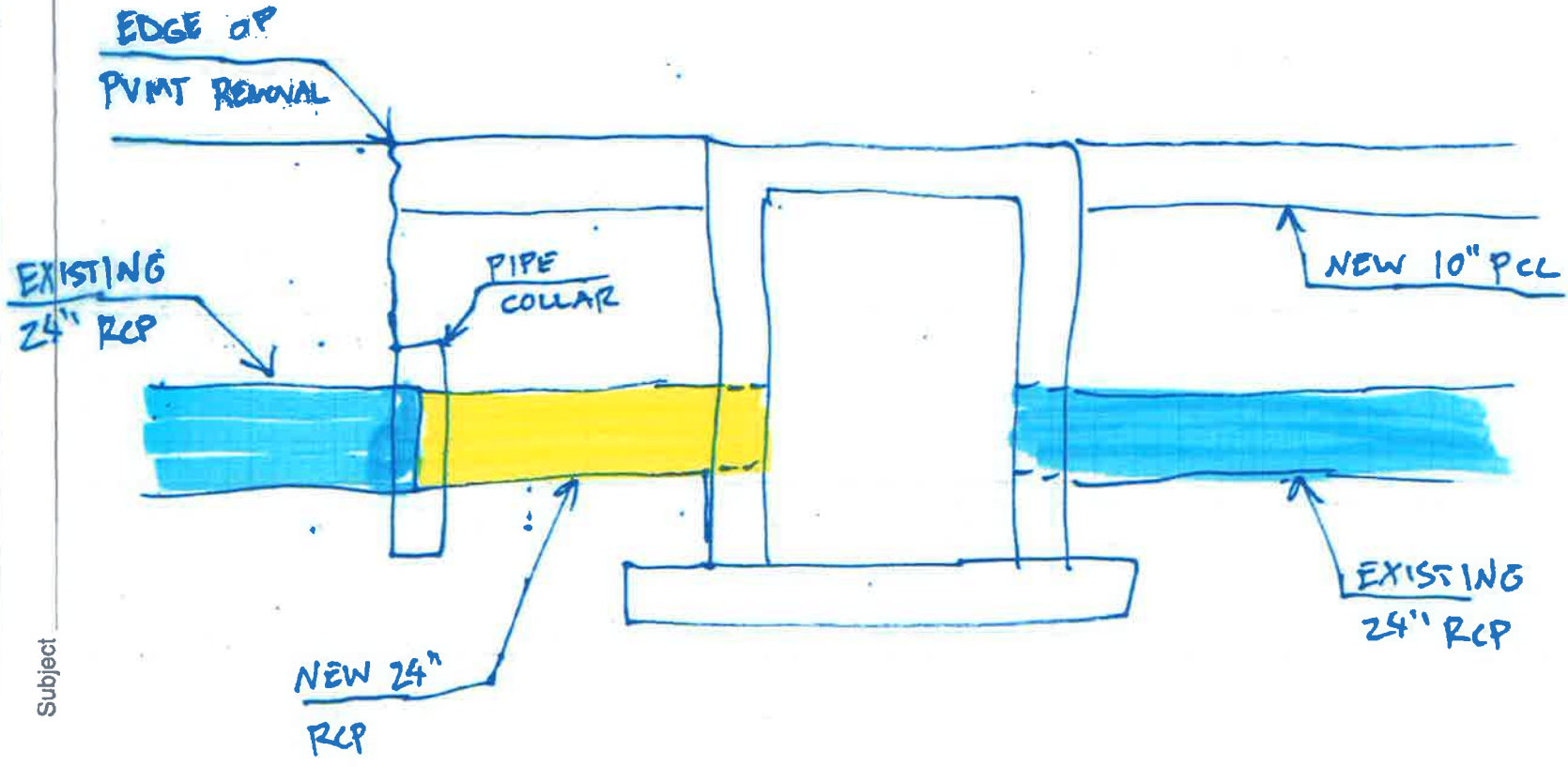
Subject

Sheet No. _____ Of _____

Made By _____ Date _____

Chkd. By _____ Date _____

Job No. _____



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REGISTRATION NO.
F-5713



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ADDISON AIRPORT
ADDISON, TX

METRO HANGAR RAMP
IMPROVEMENTS

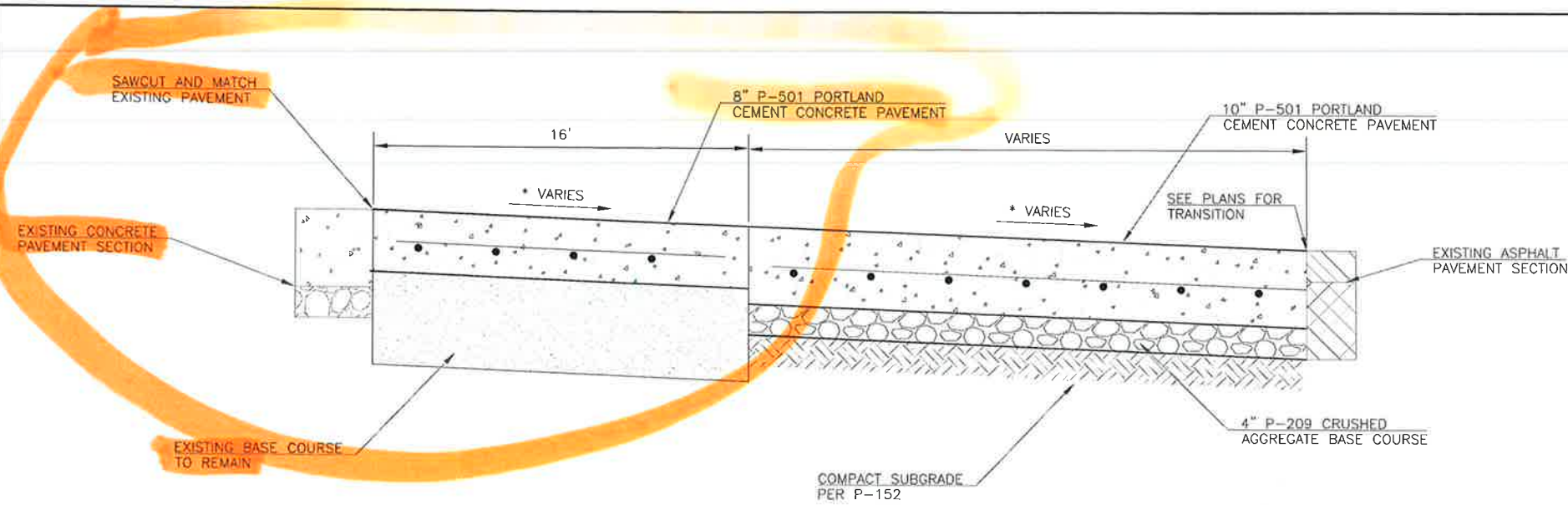
TYPICAL SECTIONS
& DETAILS

JOB NO.: 11081120
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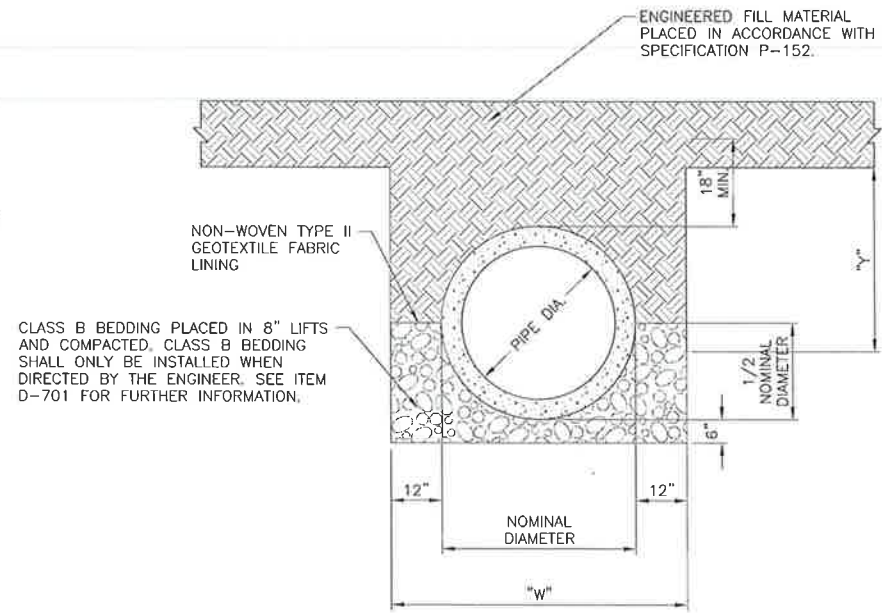
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C-101



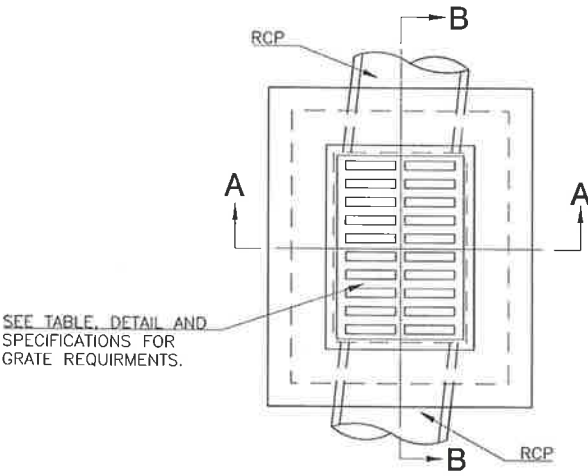
PAVEMENT TYPICAL SECTION

NO SCALE
* SEE CROSS SECTIONS



"W" = PIPE NOMINAL DIAMETER + 2'
"Y" = PIPE NOMINAL DIAMETER + 2'(MIN.)

PIPE BACK FILLING

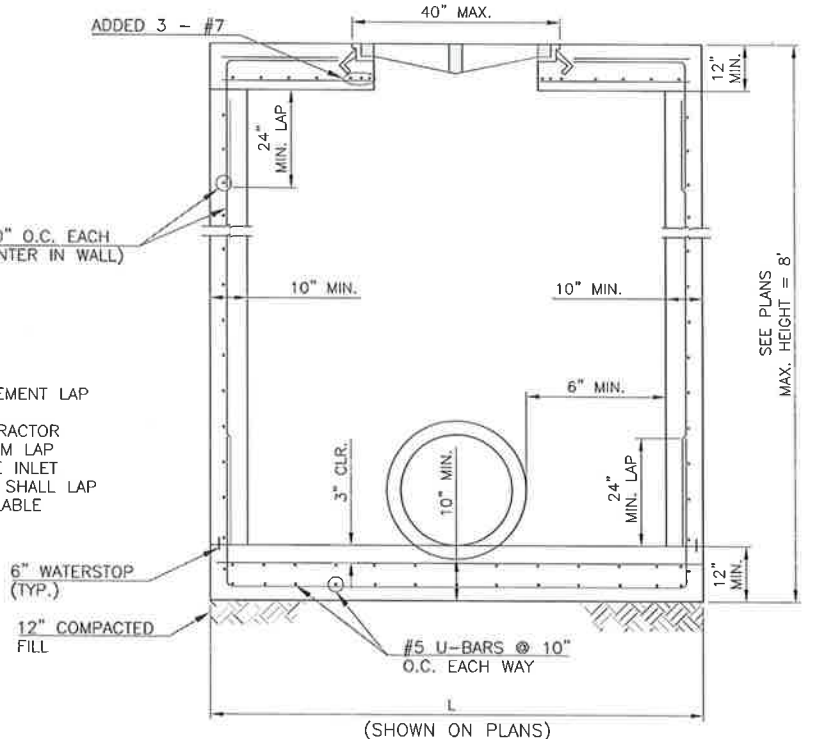


PLAN (SINGLE GRATE)

GRATE DESIGN PARAMETERS	
MATERIAL	DUCTILE IRON
WEIR PERIMETER	9.8 FT. MIN.
FREE OPEN AREA	2.4 S.F. MIN.
WHEEL LOADING	100,000 LBS MIN.

NOTE:

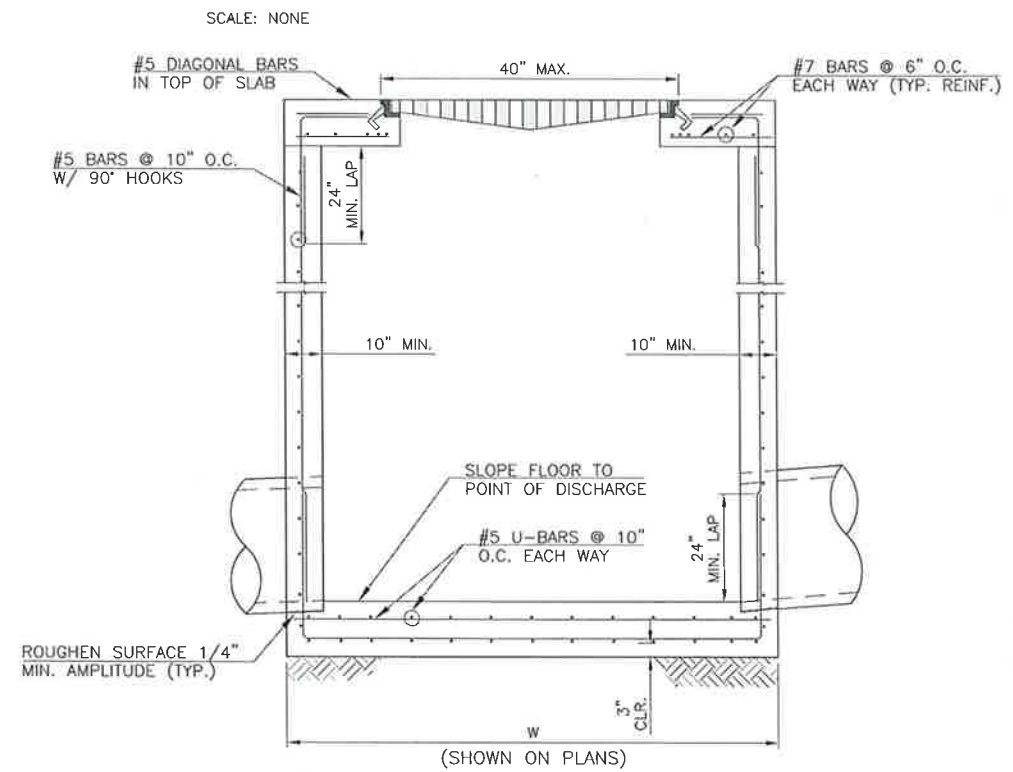
MINIMUM STEEL REINFORCEMENT LAP SHALL BE APPLIED WHERE APPLICABLE. IF THE CONTRACTOR CANNOT MEET THE MINIMUM LAP REQUIREMENT DUE TO THE INLET HEIGHT, THE CONTRACTOR SHALL LAP STEEL THE MAXIMUM AVAILABLE LENGTH.



SECTION "A-A"

AIRFIELD GRATE INLET (HEAVY AIRCRAFT)

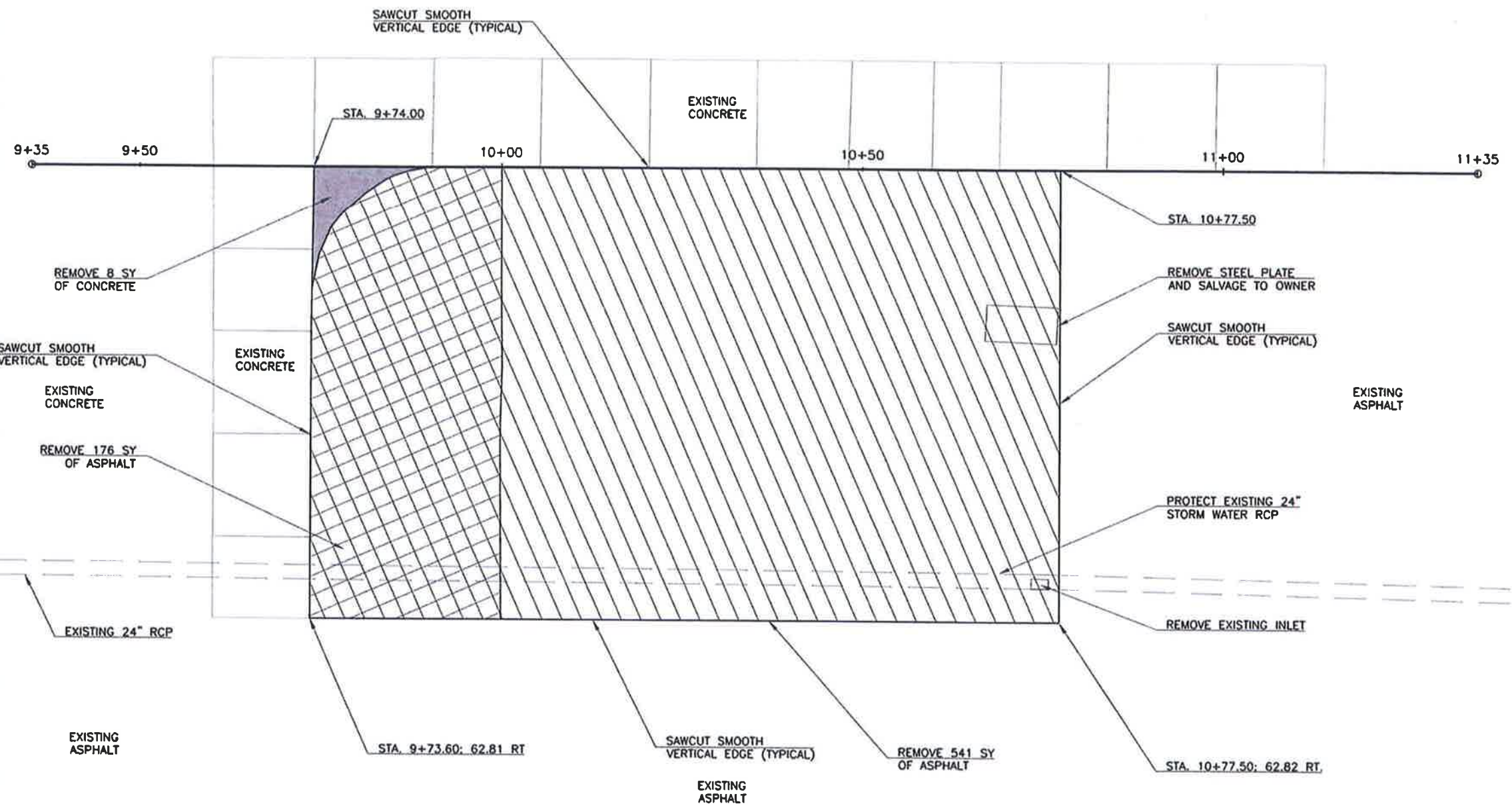
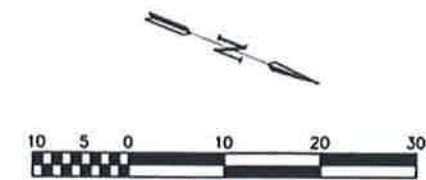
NO SCALE



SECTION "B-B"



REGISTRATION NO. F-5713



LEGEND

- SCHEDULE I ASPHALT REMOVAL
- SCHEDULE II ASPHALT REMOVAL
- SCHEDULE II CONCRETE REMOVAL

NOTE: ASPHALT AND CONCRETE PAVEMENT REMOVAL WILL BE PAID BY SS-140-5.1 PAVEMENT REMOVAL.

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CAUTION: UNDERGROUND UTILITIES EXIST WITHIN AND ADJACENT TO THE LIMITS OF CONSTRUCTION. AN ATTEMPT HAS BEEN MADE TO LOCATE THESE UTILITIES ON THE PLANS. HOWEVER, ALL EXISTING UTILITIES MAY NOT BE SHOWN AND THE ACTUAL LOCATIONS OF THE UTILITIES MAY VARY FROM THE LOCATIONS SHOWN. PRIOR TO BEGINNING ANY TYPE OF EXCAVATION, THE CONTRACTOR SHALL CONTACT THE UTILITIES INVOLVED AND MAKE ARRANGEMENTS FOR THE LOCATION OF THE UTILITIES ON THE GROUND. THE CONTRACTOR SHALL MAINTAIN THE UTILITY LOCATION MARKINGS UNTIL THEY ARE NO LONGER NECESSARY.

TEXAS STATE LAW, THE UNDERGROUND FACILITIES DAMAGE PREVENTION ACT, REQUIRES TWO WORKING DAYS ADVANCE NOTIFICATION THROUGH THE TEXAS ONE-CALL SYSTEM CENTER BEFORE EXCAVATING USING MECHANIZED EQUIPMENT OR EXPLOSIVES (EXCEPT IN THE CASE OF AN EMERGENCY). THE ONE-CALL SYSTEM PHONE NUMBER IS 1-800-245-4545. THE CONTRACTOR IS ADVISED THAT THERE IS A SEVERE PENALTY FOR NOT MAKING THIS CALL. NOT ALL UTILITY COMPANIES ARE MEMBERS OF THE TEXAS ONE-CALL SYSTEM; THEREFORE, THE CONTRACTOR IS ADVISED TO CONTACT ALL NON-MEMBER UTILITIES AS WELL AS THE ONE-CALL SYSTEM.

REV.	DATE	DESCRIPTION

ADDISON AIRPORT
ADDISON, TX
METRO HANGAR RAMP
IMPROVEMENTS

DEMOLITION PLAN

JOB NO.: 11081120
DATE: JAN., 2012
DESIGNED BY: BCB
DRAWN BY: BCB

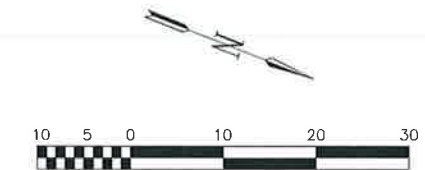
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SHEET NUMBER

C-102



REGISTRATION NO.
F-5713



LEGEND

- ASPHALT & BASE REMOVAL FOR 8" CONCRETE PAVEMENT
- ASPHALT & SUBGRADE REMOVAL FOR 10" CONCRETE PAVEMENT
- CONCRETE & BASE REMOVAL FOR 10" CONCRETE PAVEMENT

NOTE: ASPHALT AND CONCRETE PAVEMENT REMOVAL WILL BE PAID BY SS-140-5.1 PAVEMENT REMOVAL



REV.	DATE	DESCRIPTION	BY
1	3/27/12	PAVEMENT REVISION	FOV

ADDISON AIRPORT
ADDISON, TX

METRO HANGAR RAMP
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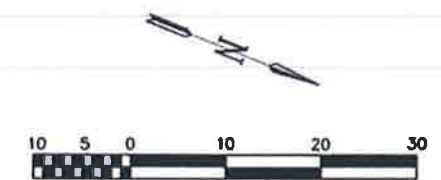
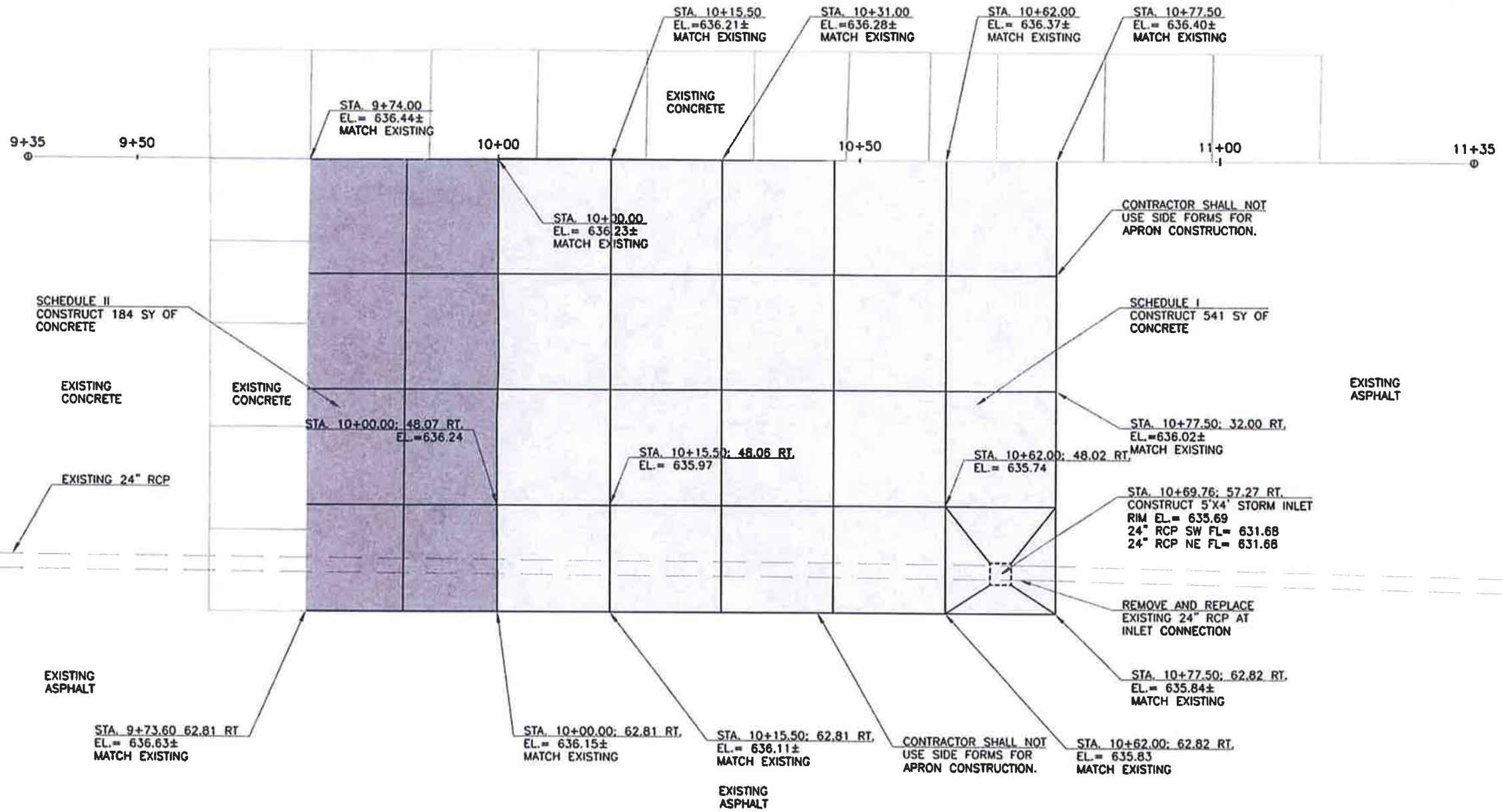
C-102

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LEGEND	
	SCHEDULE I CONCRETE RECONSTRUCTION
	SCHEDULE II CONCRETE RECONSTRUCTION



REGISTRATION NO. F-5713
1/24/12



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PAVING PLAN

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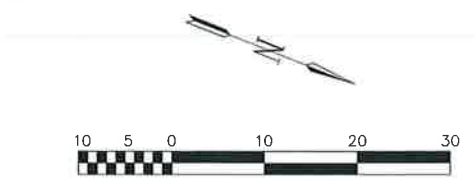
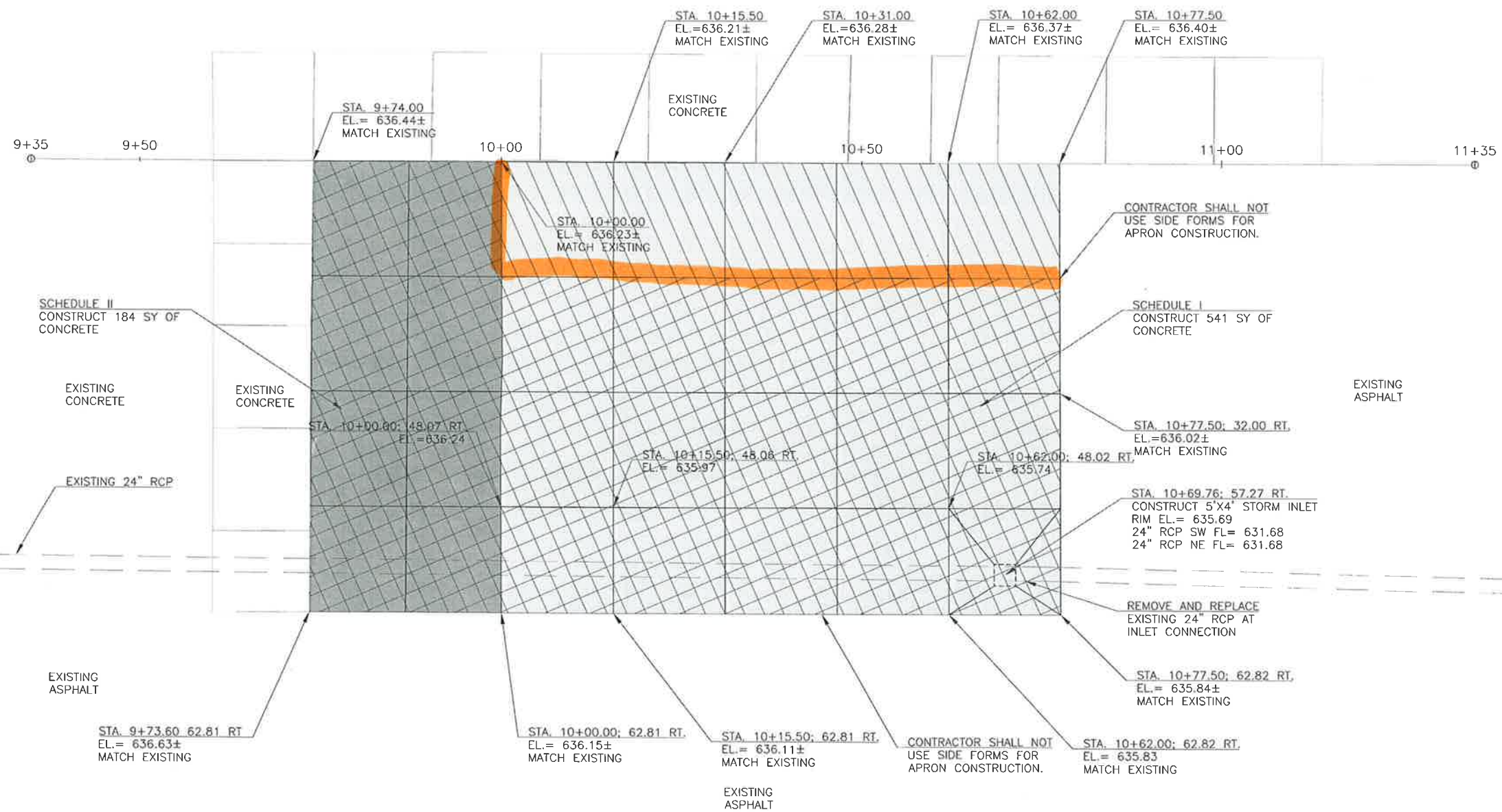
SHEET NUMBER

C-103

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LEGEND

	SCHEDULE I CONCRETE RECONSTRUCTION
	SCHEDULE II CONCRETE RECONSTRUCTION
	8" REINFORCED CONCRETE
	10" REINFORCED CONCRETE

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F-5713



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ADDISON AIRPORT
 ADDISON, TX
METRO HANGAR RAMP IMPROVEMENTS

PAVING PLAN

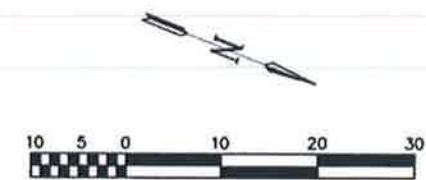
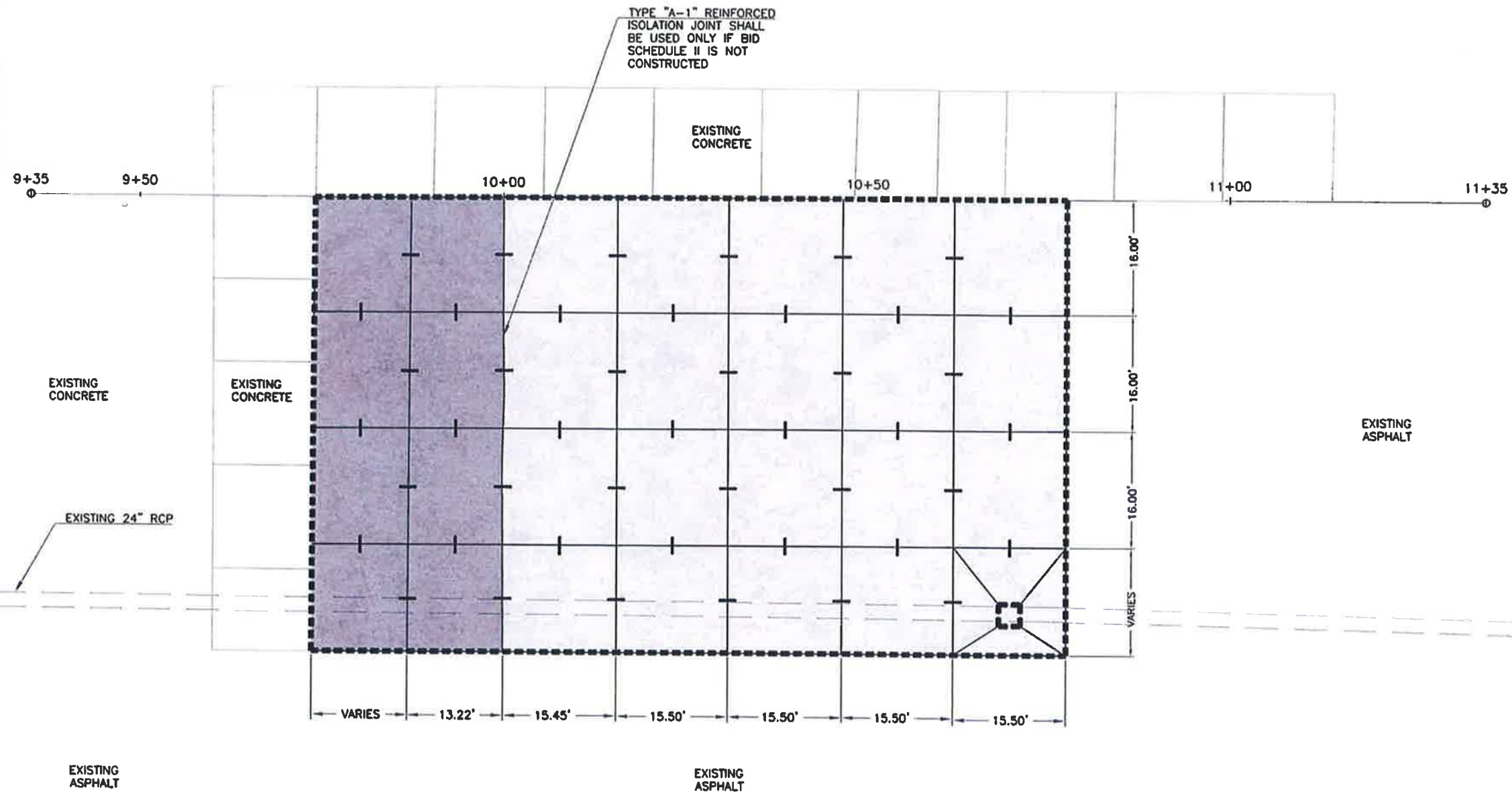
JOB NO.: 11081120
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DRAWN BY: BCB

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LEGEND	
	SCHEDULE I CONCRETE RECONSTRUCTION
	SCHEDULE II CONCRETE RECONSTRUCTION
	ASPHALT TRANSITION

PAVEMENT JOINT LEGEND	
	TYPE "A-1" - REINFORCED ISOLATION JOINT
	TYPE "C" - DOWELED CONTRACTION JOINT
	TYPE "D" - DUMMY CONTRACTION JOINT

GARVER

REGISTRATION NO. F-5713
1/24/12

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ADDISON AIRPORT
 ADDISON, TX
 METRO HANGAR RAMP
 IMPROVEMENTS

JOINT LAYOUT PLAN

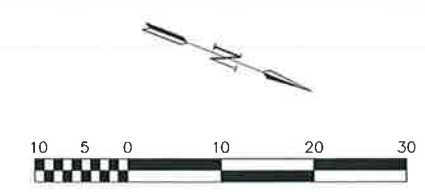
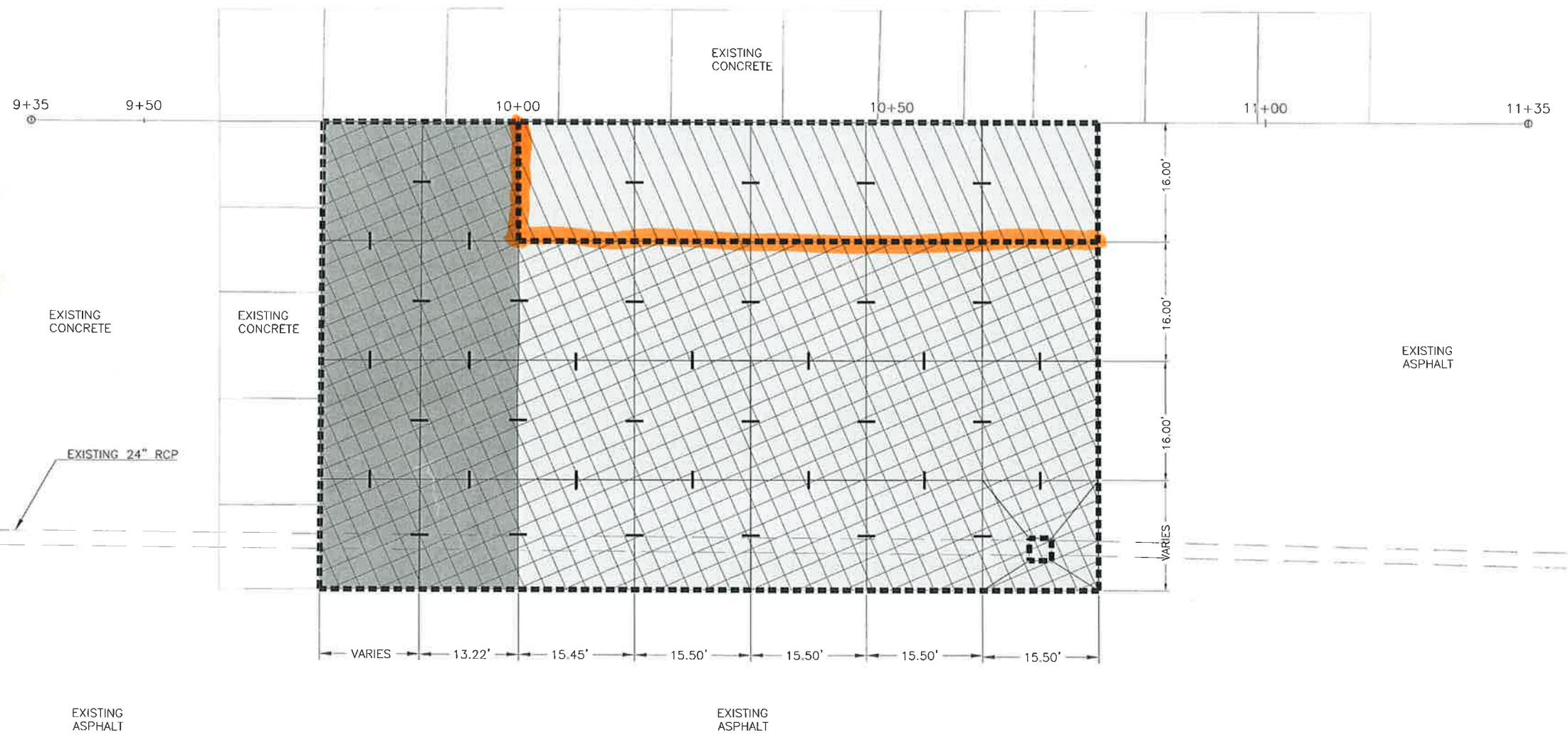
JOB NO.: 11081120
 DATE: JAN., 2012
 DESIGNED BY: BCB
 DRAWN BY: BCB

BAR IS ONE INCH ON ORIGINAL DRAWING
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SHEET NUMBER

C-104

File: L:\2011\11081120 - ADS Metro Hanger Ramp\Drawings\ADS_MHR_C104_IP.dwg, Last Saved by: Mirrionally, Last Saved Date: 3/27/2012 10:14 AM
 Last Printed by: McAnally, Michael, R, Plot Date: 3/27/2012 10:14 AM, Plot Scale: 1:2, Plot Size: 11.00 x 17.00, IR: C-080 P5



LEGEND	
	SCHEDULE I CONCRETE RECONSTRUCTION
	SCHEDULE II CONCRETE RECONSTRUCTION
	8" REINFORCED CONCRETE
	10" REINFORCED CONCRETE

PAVEMENT JOINT LEGEND	
	TYPE "A-1" - REINFORCED ISOLATION JOINT
	TYPE "C" - DOWELED CONTRACTION JOINT
	TYPE "D" - DUMMY CONTRACTION JOINT



REGISTRATION NO.
F-5713



REV.	DATE	DESCRIPTION	BY
1	3/27/12	PAVEMENT REVISION	

ADDISON AIRPORT
ADDISON, TX

METRO HANGAR RAMP
IMPROVEMENTS

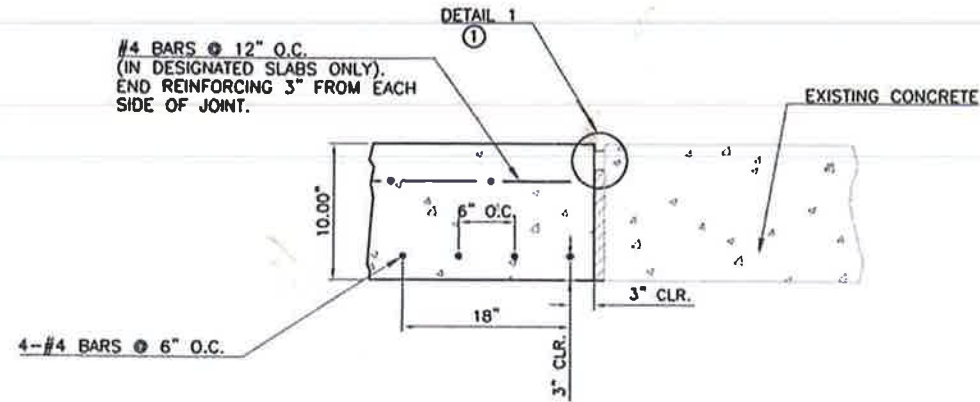
JOINT LAYOUT
PLAN

JOB NO.: 11081120
DATE: JAN., 2012
DESIGNED BY: BCB
DRAWN BY: BCB

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SHEET NUMBER
C-104

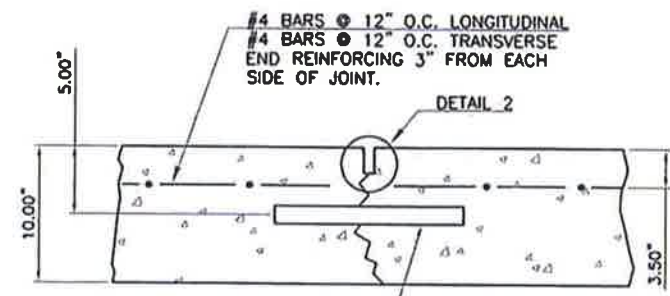
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TYPE A-1-REINFORCED ISOLATION JOINT
SCALE: NONE

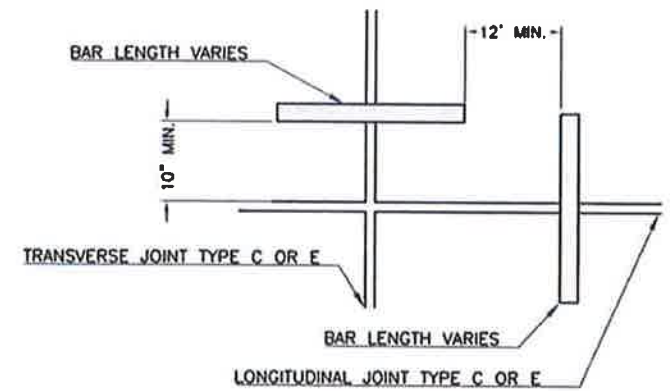
① USE DETAIL 3 WHEN CONCRETE ABUTS ASPHALT
 DO NOT USE EXPANSION/ISOLATION MATERIAL AGAINST ASPHALT PAVEMENT

DOWEL BAR LEGEND	
10" THICKNESS	
DIAMETER = 1"	
LENGTH = 19"	
SPACING = 12" O.C.	

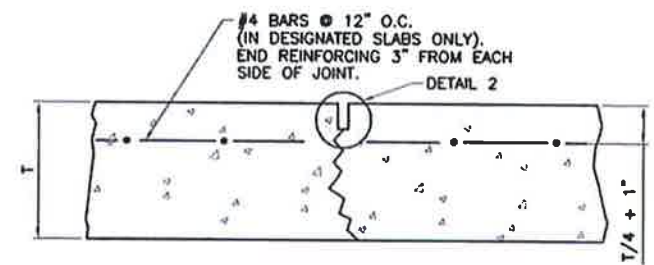


TYPE C-DOWELED CONTRACTION JOINT
NO SCALE

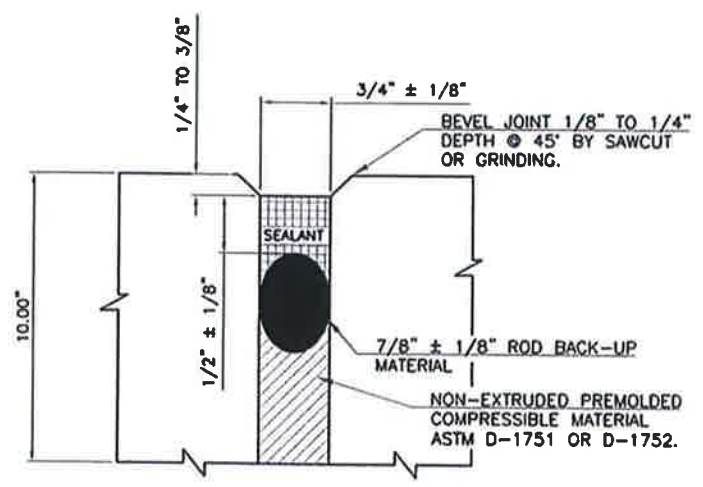
DOWEL BAR TO BE PAINTED
 ON ALL SURFACES AND OIL
 ONE HALF OF DOWEL.



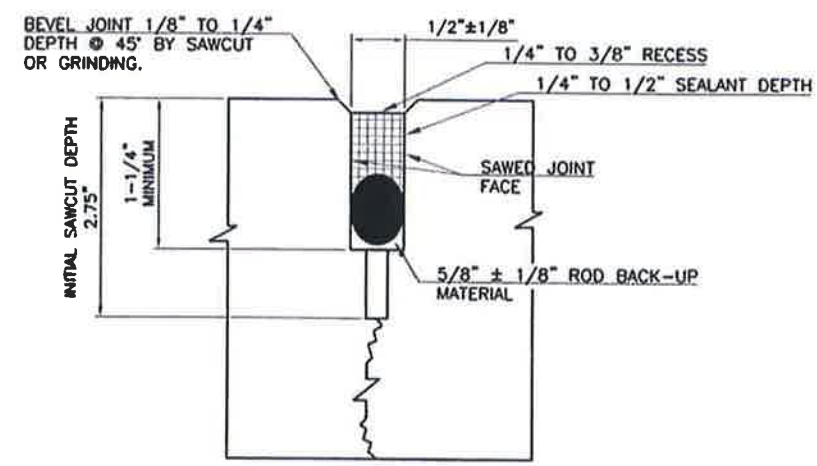
DOWEL BARS AT SLAB CORNERS (PLAN VIEW)
SCALE: NONE



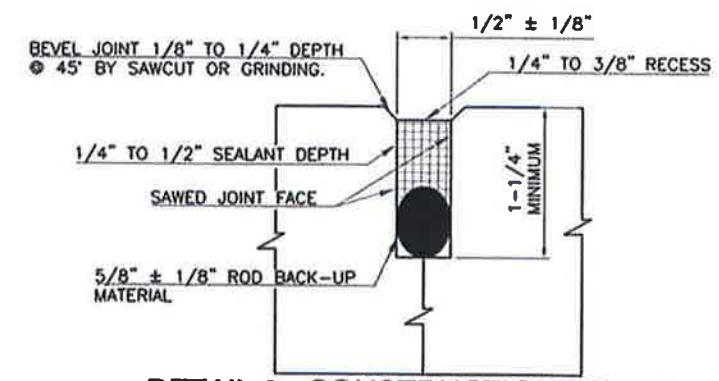
TYPE D-DUMMY CONTRACTION JOINT
SCALE: NONE



DETAIL 1 - ISOLATION JOINTS
NO SCALE



DETAIL 2 - CONTRACTION JOINTS
NO SCALE



DETAIL 3 - CONSTRUCTION JOINTS
NO SCALE

SYMBOLS

	SEALANT
	ROD BACK-UP MATERIAL CLOSED-CELL RESILIENT FOAM OR SPONGE RUBBER
	RESILIENT FILLER



REGISTRATION NO. F-5713



REV.	DATE	DESCRIPTION	BY

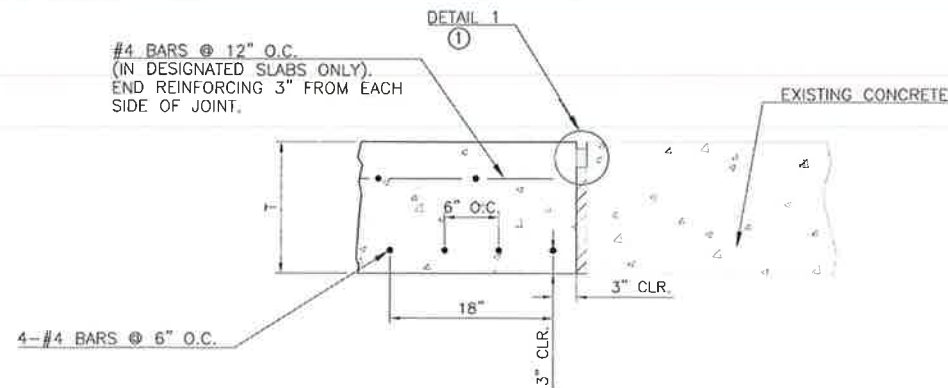
ADDISON AIRPORT
 ADDISON, TX
 METRO HANGAR RAMP
 IMPROVEMENTS

JOINT DETAILS

JOB NO.: 11081120
 DATE: JAN., 2012
 DESIGNED BY: BCB
 DRAWN BY: BCB
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SHEET NUMBER **C-105**

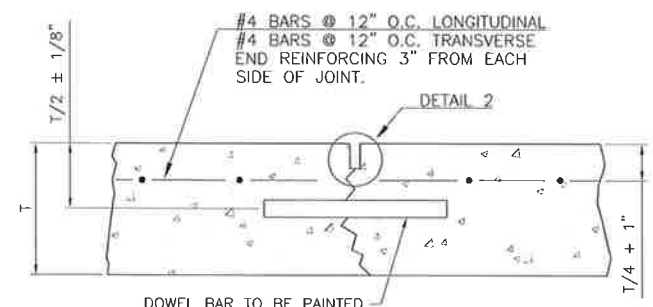
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TYPE A-1-REINFORCED ISOLATION JOINT
SCALE: NONE

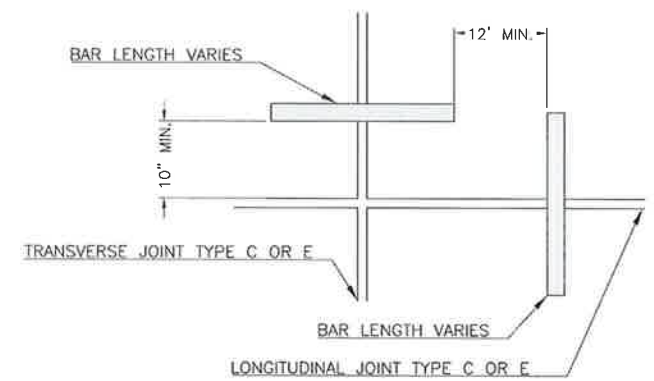
① USE DETAIL 3 WHEN CONCRETE ABUTS ASPHALT
DO NOT USE EXPANSION/ISOLATION MATERIAL AGAINST ASPHALT PAVEMENT
T = THICKNESS

DOWEL BAR LEGEND	
8" AND 10" THICKNESS	
DIAMETER	= 1"
LENGTH	= 19"
SPACING	= 12" O.C.



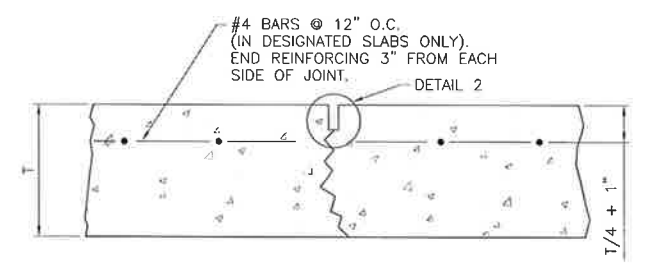
TYPE C-DOWELED CONTRACTION JOINT

NO SCALE
T = THICKNESS



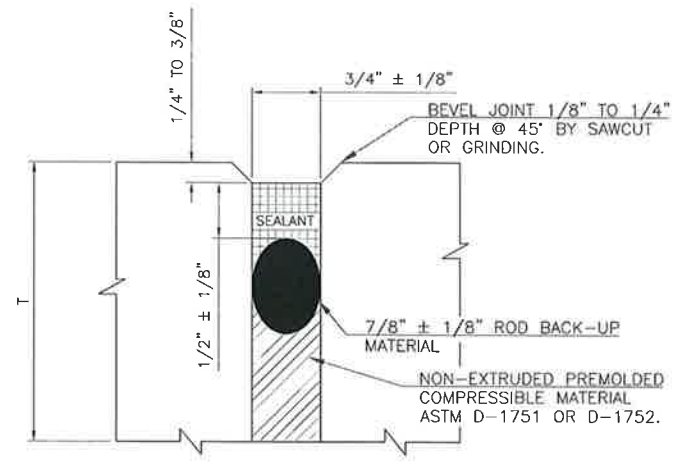
DOWEL BARS AT SLAB CORNERS (PLAN VIEW)

SCALE: NONE
T = THICKNESS

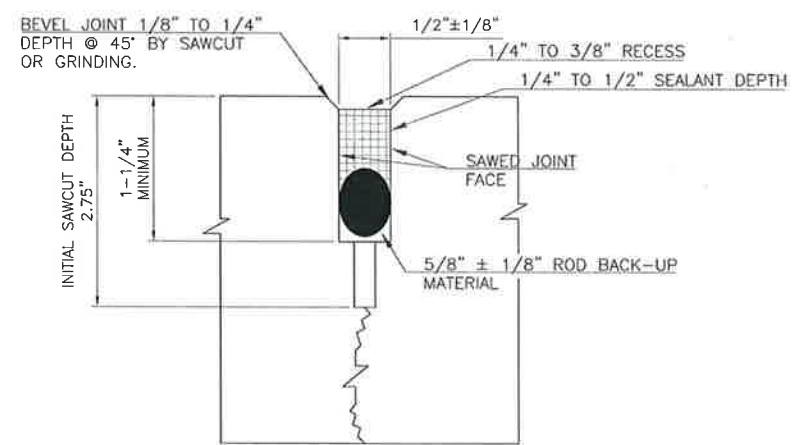


TYPE D-DUMMY CONTRACTION JOINT

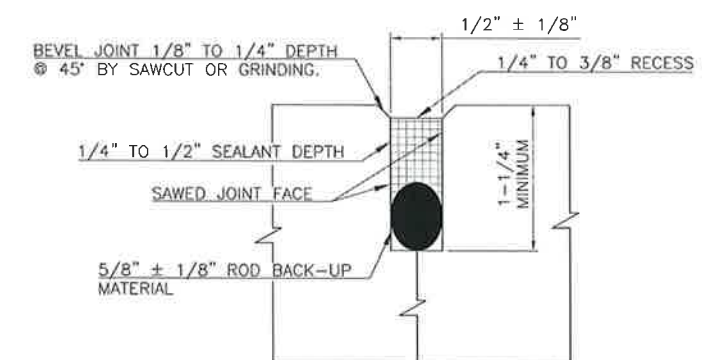
SCALE: NONE
T = THICKNESS



DETAIL 1 - ISOLATION JOINTS
NO SCALE



DETAIL 2 - CONTRACTION JOINTS
NO SCALE



DETAIL 3 - CONSTRUCTION JOINTS
NO SCALE

SYMBOLS

	SEALANT
	ROD BACK-UP MATERIAL CLOSED-CELL RESILIENT FOAM OR SPONGE RUBBER
	RESILIENT FILLER



REGISTRATION NO.
F-5713



REV.	DATE	DESCRIPTION	BY
1	3/27/12	PAVEMENT REVISION	FOU

ADDISON AIRPORT
ADDISON, TX
METRO HANGAR RAMP
IMPROVEMENTS

JOINT DETAILS

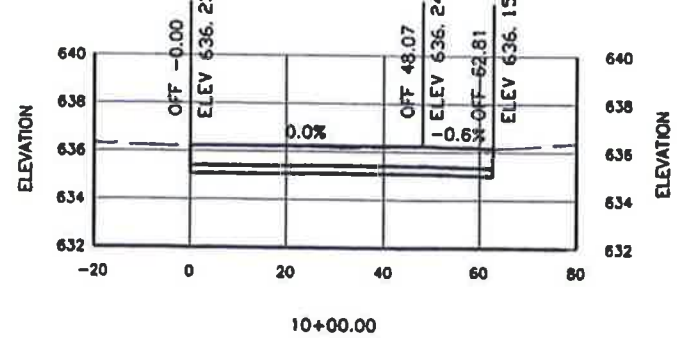
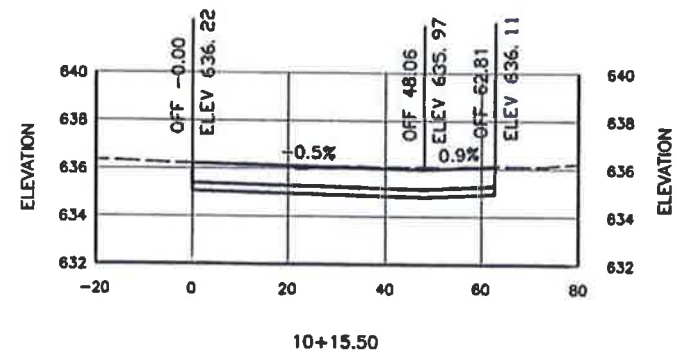
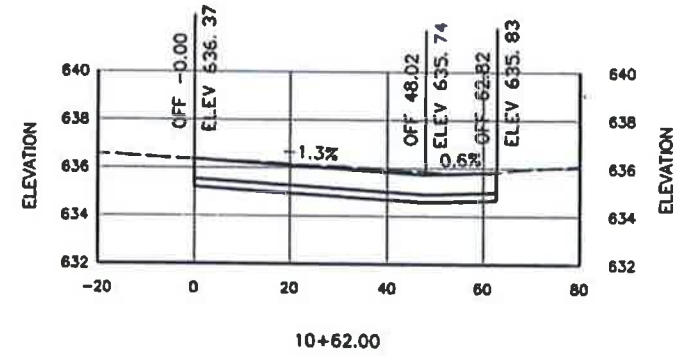
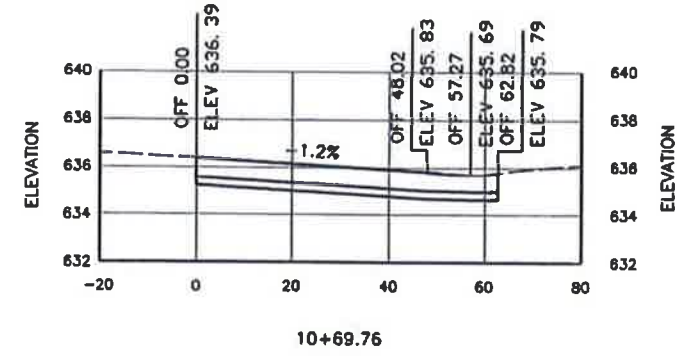
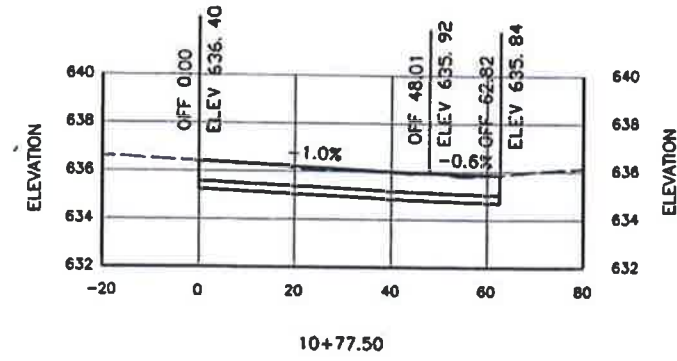
JOB NO.: 11081120
DATE: JAN., 2012
DESIGNED BY: BCB
DRAWN BY: BCB

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SHEET NUMBER

C-105

File: L:\2011\11081120 - ADS Metro Hangar Ramp\Drawings\ADS_MHR_MR_01-02.dwg, Last Saved: 12/12/2011 2:42 PM, Last Saved by: Bcbenlie
 Last plotted by: McAnally, Mitchell, R Plot Scale: 1/2 Plot Date: 1/24/2012 9:42 AM Plotter Model: HP4502 Canon IR C4080 FS



REGISTRATION NO.
F-6713



REV.	DATE	DESCRIPTION	BY

ADDISON AIRPORT
ADDISON, TX
METRO HANGAR RAMP
IMPROVEMENTS

SCHEDULE I
CROSS SECTIONS

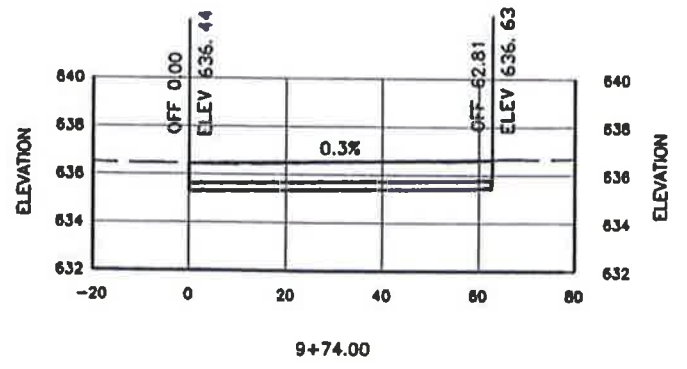
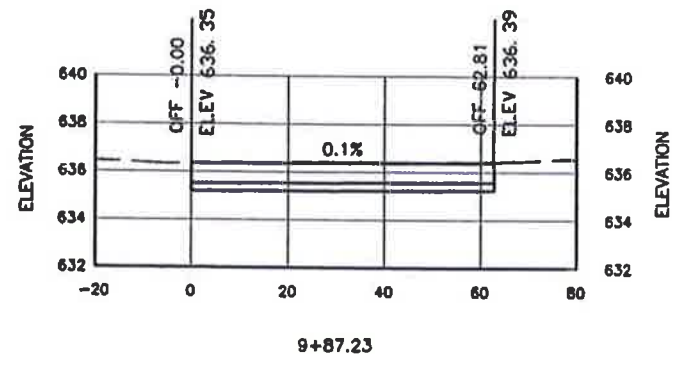
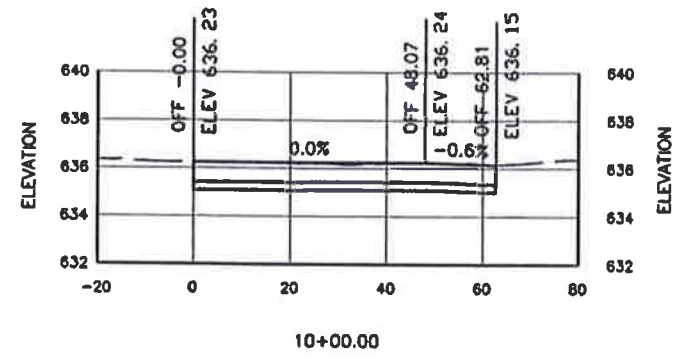
JOB NO.: 11081120
DATE: JAN., 2012
DESIGNED BY: BCB
DRAWN BY: BCB

BAR IS ONE INCH ON ORIGINAL DRAWING
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SHEET NUMBER

MR-01

File: L:\2011\11081120 - ADS Metro Hangar Ramp\Drawings\ADS_MHR_MR_01-02.dwg Last Saved: 12/12/2011 2:42 PM Last saved by: Bobville
 Last plotted by: Mennelly, Mitchell, R Plot Scale: Garver Standard Hair/cls Plot Scale: 1:2 Plot Date: 1/24/2012 9:42 AM Plotter used: \\garvdc02\Canon IR C4080 PS



REGISTRATION NO.
F-5713



REV.	DATE	DESCRIPTION	BY

ADDISON AIRPORT
ADDISON, TX
METRO HANGAR RAMP
IMPROVEMENTS

**SCHEDULE II
CROSS SECTIONS**

JOB NO.: 11081120
DATE: JAN., 2012
DESIGNED BY: BCB
DRAWN BY: BCB

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IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

SHEET NUMBER
MR-02