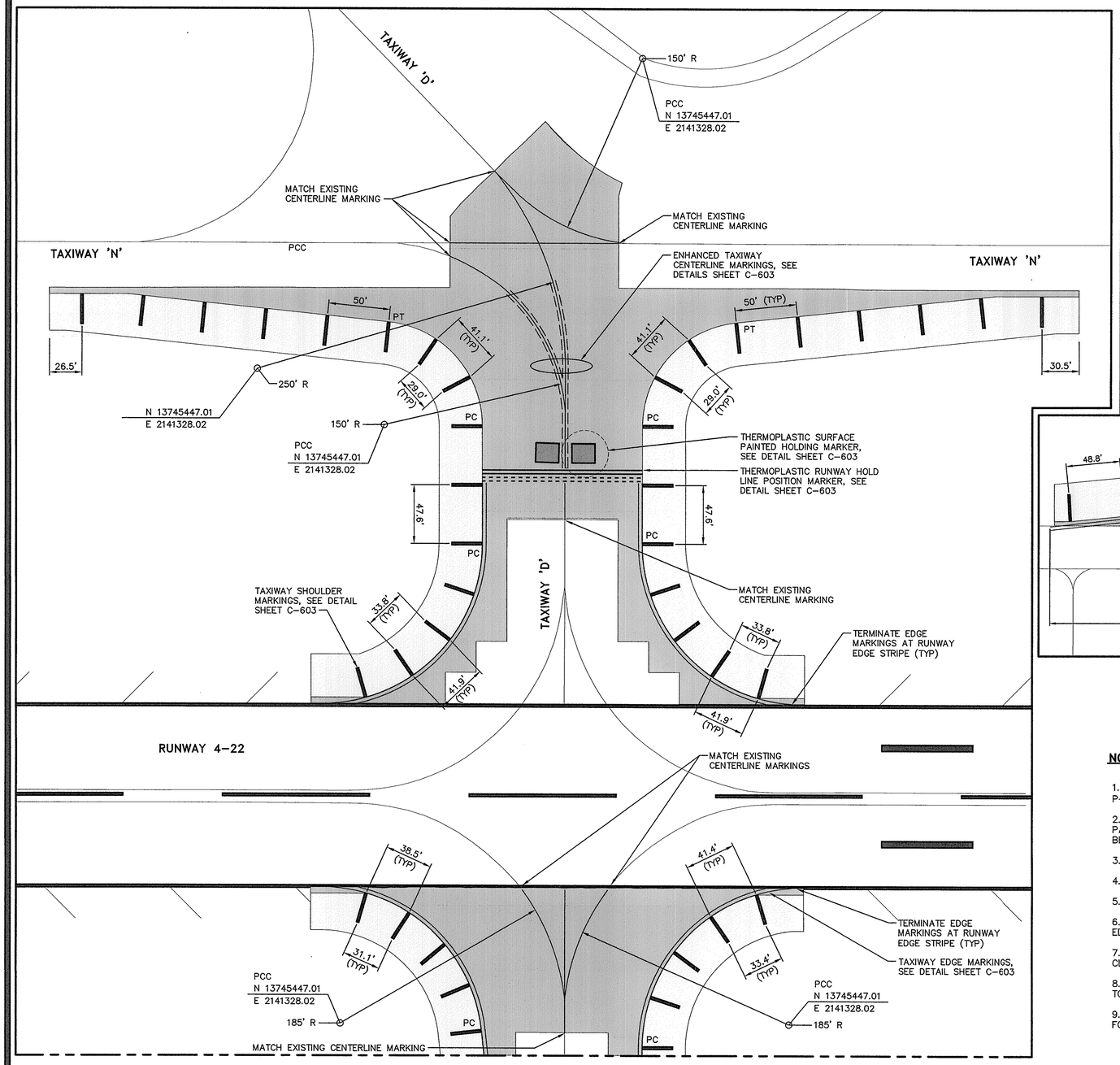
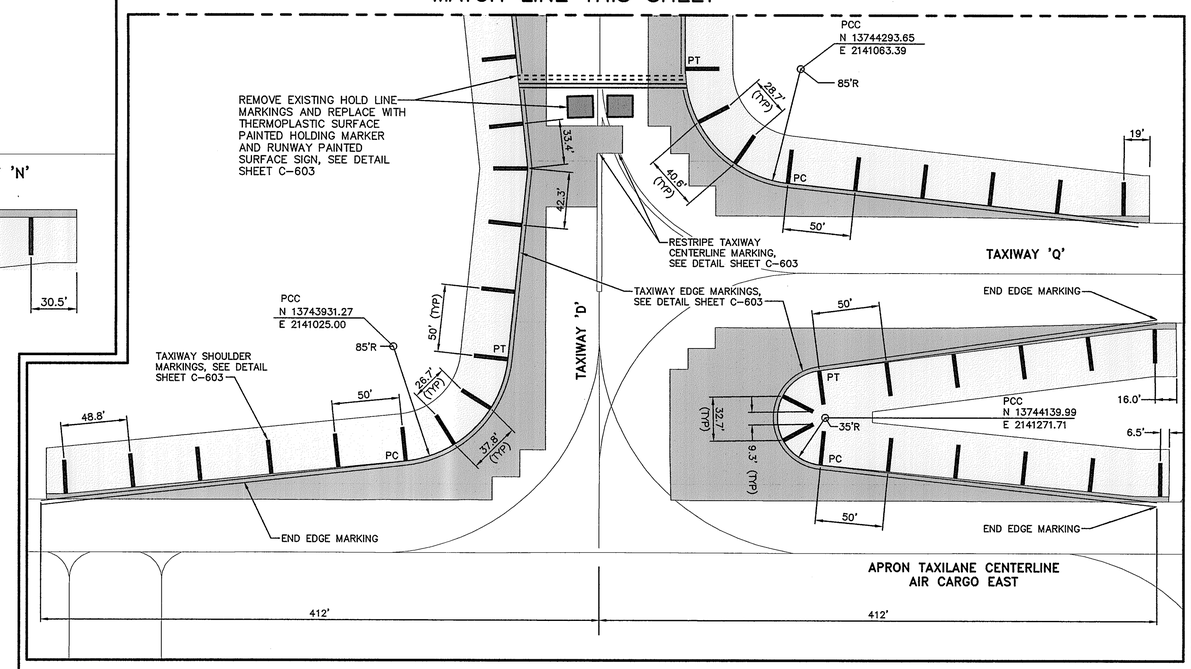


MATCH LINE THIS SHEET

TAXIWAY 'D' RECONSTRUCTION

SCALE: 1" = 50'



TAXIWAYS 'D' AND 'Q' FILLET/FLARE CONSTRUCTION

SCALE: 1" = 50'

NOTES:

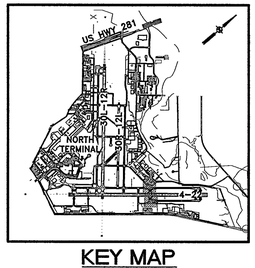
1. ALL MARKINGS AND MARKING APPLICATIONS SHALL BE IN ACCORDANCE WITH AC 150/5370-10F, ITEM P-620 AND AC 150/5340-1K.
2. ALL RUNWAY MARKINGS ARE TO BE WHITE AND ALL TAXIWAY MARKINGS ARE TO BE YELLOW. REFLECTIVE PAINT TO BE USED FOR ALL RUNWAY AND TAXIWAY MARKINGS. ALL MARKINGS ON CONCRETE PAVEMENT SHALL BE OUTLINED IN BLACK.
3. TIE ALL PROPOSED TAXIWAY CENTERLINE MARKINGS TO EXISTING TAXIWAY CENTERLINE MARKINGS.
4. TIE ALL PROPOSED TAXIWAY EDGE MARKINGS TO EXISTING TAXIWAY EDGE MARKINGS.
5. SEE SHEETS C-603 FOR PAVEMENT MARKING DETAILS.
6. ALL MARKINGS FOR EDGE AND CENTERLINES ARE TO BE PLACED IN ACCORDANCE WITH THE GEOMETRIC EDGE OR CENTERLINE OF PAVEMENTS AS INDICATED IN THE GEOMETRY PLANS, SHEETS C-401, AND C-403.
7. SOME MARKINGS IN THIS SHEET ARE EXAGGERATED AND NOT TO SCALE OR NOT FULLY SHOWN FOR CLARITY.
8. TAXIWAY EDGE MARKINGS ARE TO BE PLACED ONLY FROM THE ENHANCED RUNWAY HOLD LINE MARKINGS TO THE EXISTING RUNWAY EDGE MARKINGS.
9. TYPICAL DIMENSIONS SHOWN FOR TAXIWAY SHOULDER MARKINGS AT TAXIWAY FILLETS ARE ARE SPECIFIC FOR THAT TAXIWAY FILLET ONLY.

50 25 0 50

SCALE: 1 IN = 50 FT

LEGEND

LIMITS OF PAVEMENT IMPROVEMENTS



KEY MAP

N.T.S.

No.	Revision	By	App.	Date
	ISSUE FOR BID			01-25-13

ISSUE FOR BID

SAN ANTONIO AIRPORT SYSTEM

AECOM
TEXAS REGISTERED ENGINEERING FIRM F-3580
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STATE OF TEXAS
GUO-PIN FUAN
81466
REGISTERED
PROFESSIONAL ENGINEER

Designed By:	GPF
Drawn By:	CRJ/FE/GWS
Checked By:	TKD
Date:	12/03/2012
Scale:	AS SHOWN

SAN ANTONIO INTERNATIONAL AIRPORT
RUNWAY 3-21 EXTENSION - NEW EXIT TAXIWAY, TAXIWAY REPAIRS, AND PERIMETER RD RECONSTRUCTION - RE-BID

PAVEMENT MARKING PLAN 2

Project No.	33-00160	C.I.P. No.	0000	Sheet	C-602
		A.I.P. No.	0000		

LAST MODIFIED: Dec 06, 2012 - 1:19pm BY USER: escobadof
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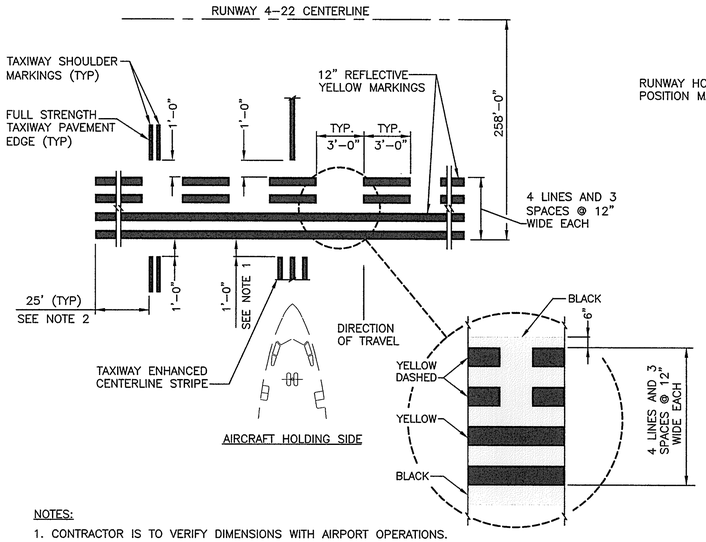
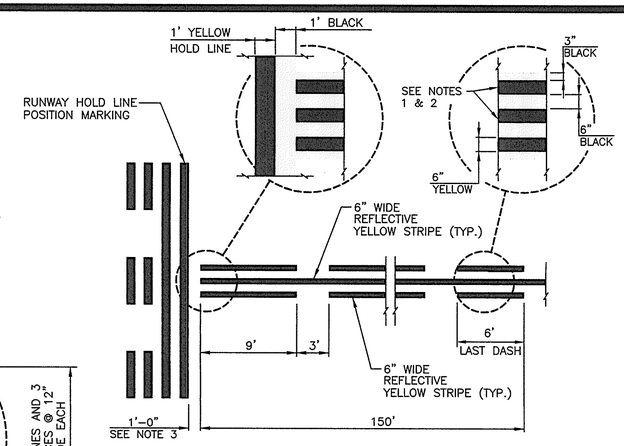


NOTES:

1. CONTRACTOR IS TO VERIFY DIMENSIONS WITH AIRPORT OPERATIONS.
2. FOR TAXIWAYS WITH WIDTHS GREATER THAN 75', ENTERING A RUNWAY THAT SERVE ADG'S V OR VI, EXTEND ENHANCED RUNWAY HOLDING POSITION MARKING 25' ONTO THE PAVED TAXIWAY SHOULDER.

ENHANCED RUNWAY HOLD LINE POSITION MARKING DETAIL

NOT TO SCALE

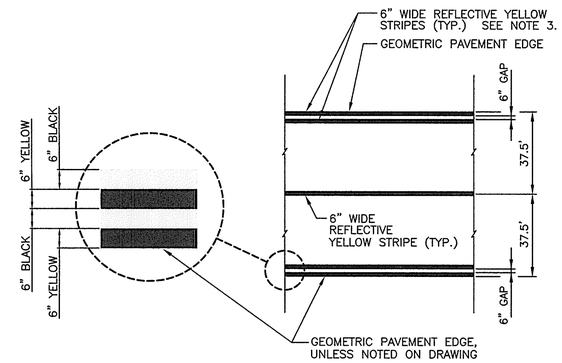


NOTES:

1. DASHED LINES FOR THE ENHANCED TAXIWAY CENTERLINE MARKING ARE 6" IN WIDTH AND SEPARATED 6" FROM THE TAXIWAY CENTERLINE.
2. THE TAXIWAY CENTERLINE MARKINGS MAY BE SHIFTED LEFT OR RIGHT TO AVOID INTERFERENCE WITH THE TAXIWAY CENTERLINE LIGHTS.
3. CONTRACTOR IS TO VERIFY DIMENSIONS WITH AIRPORT OPERATIONS.

ENHANCED CENTERLINE MARKING DETAIL

NOT TO SCALE

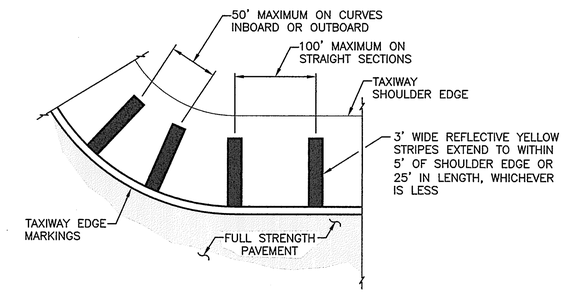


NOTES:

1. PROVIDE BLACK OUTLINE ONLY ON CONCRETE PAVEMENT
2. TAXIWAY WIDTH VARIES AT TAXIWAY INTERSECTION FILLETS AND WIDENINGS.
3. TAXIWAY EDGE MARKINGS TO BE PLACED ONLY BETWEEN THE ENHANCED RUNWAY HOLD LINE AND EXISTING RUNWAY EDGE MARKINGS.

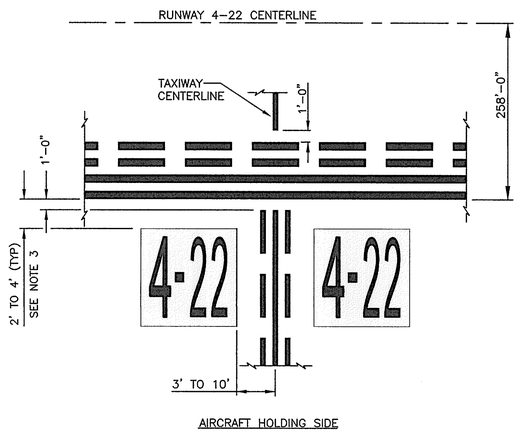
TAXIWAYS 'C, 'D" AND 'Q' EDGE CONTINUOUS AND CENTERLINE MARKING DETAIL

NOT TO SCALE



TAXIWAY SHOULDER MARKING DETAIL

N.T.S.

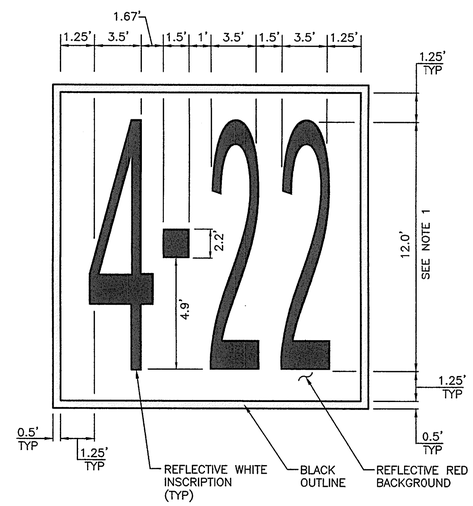


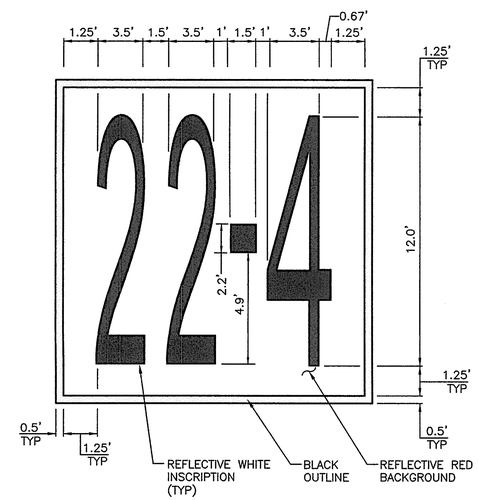
NOTES:

1. INSCRIPTIONS ARE WHITE AND MUST HAVE A HEIGHT OF 12 FEET. THE APPEARANCE OF THE LETTERS, NUMBERS, AND SYMBOLS MUST BE PER AC 150/5340–1K APPENDIX C.
2. THE SURFACE HOLDING POSITION SIGN HAS A RED BACKGROUND.
3. CONTRACTOR IS TO VERIFY DIMENSIONS WITH AIRPORT OPERATIONS.
4. THE INSCRIPTIONS MAY BE REDUCED AS NECESSARY, TO A MINIMUM HEIGHT OF 9 FEET IN TAXIWAYS WITH WIDTHS NARROWER THAN 75 FEET.

SURFACE PAINTED HOLDING POSITION SIGNS

NOT TO SCALE





NOTES:

1. INSCRIPTIONS ARE REFLECTIVE WHITE AND MUST HAVE A HEIGHT OF 12 FEET. THE APPEARANCE OF THE LETTERS, NUMBERS, AND SYMBOLS MUST IN COMPLIANCE WITH AC 150/5340–1K APPENDIX C.
2. THE INSCRIPTIONS MAY BE REDUCED AS NECESSARY, TO A MINIMUM HEIGHT OF 9 FEET IN TAXIWAYS WITH WIDTHS NARROWER THAN 75 FEET.
3. THE SURFACE HOLDING POSITION SIGN HAS A REFLECTIVE RED BACKGROUND.

SURFACE PAINTED HOLDING POSITION SIGN

NOT TO SCALE

NEW SURFACE PAINTED HOLDING POSITION SIGNS			
SIGN LOCATION	SIGN ORIENTATION		SIGNS REQUIRED
	4–22	22–4	
TAXIWAY 'N' (@ RUNWAY 22 THRESHOLD)		●	2
TAXIWAY 'Q' (@ RUNWAY 22 THRESHOLD)	●		2
TAXIWAY 'N1' (NORTH OF RUNWAY 4–22)		●	2
TAXIWAY 'Q1' (SOUTH OF RUNWAY 4–22)	●		2
TAXIWAY 'C' (NORTH OF RUNWAY 4–22)		●	2
TAXIWAY 'D' (NORTH & SOUTH OF RUNWAY 4–22)	●	●	4
TAXIWAY 'T' (NORTH OF RUNWAY 22)		●	1
TAXIWAY 'R' (NORTH OF RUNWAY 22)		●	2
TAXIWAY 'G' (NORTH OF RUNWAY 22)		●	2
TAXIWAY 'E' (NORTH & SOUTH OF RUNWAY 4–22)	●	●	2*
TAXIWAY 'N' (@ RUNWAY 4 THRESHOLD)		●	3
TAXIWAY 'F' (@ RUNWAY 4 THRESHOLD)	●		2

* – ONLY ONE (1) SIGN IS REQUIRED ON TAXIWAY EITHER SIDE OF RUNWAY 4–22

NOTE:

ON TAXIWAYS N, Q, U, T, R, G, E, AND F, REMOVE EXISTING WATERBORNE SURFACE PAINTED HOLDING POSITION SIGNS AND REPLACE WITH PREFORMED THERMOPLASTIC SURFACE PAINTED HOLDING POSITION SIGNS, (20 SIGNS TOTAL), SEE SHEET C–001. ESCORT FOR THIS WORK TO BE CORRDINATED WITH AIRPORT OPERATIONS.

No.	Revision	By	App.	Date
	ISSUE FOR BID			01-25-13

ISSUE FOR BID

SAN ANTONIO AIRPORT SYSTEM

AECOM
TEXAS REGISTERED ENGINEERING FIRM F-3580
5757 Woodway Drive
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Fax: 713.267.3278

STATE OF TEXAS
GUO–PIN FUAN
81466
REGISTERED PROFESSIONAL ENGINEER

Designed By: GPF
Drawn By: CRJ/FE/GWS
Checked By: TKD
Date: 12/03/2012
Scale: AS SHOWN

SAN ANTONIO INTERNATIONAL AIRPORT
RUNWAY 3-21 EXTENSION - NEW EXIT TAXIWAY, TAXIWAY REPAIRS, AND PERIMETER RD RECONSTRUCTION - RE-BID

PAVEMENT MARKING DETAILS

Project No. 33-00160 | C.I.P. No. 0000 | A.I.P. No. 0000 | Sheet C-603

LAST MODIFIED: Dec 06, 2012 – 1:20pm BY USER: escobedef
DWG. LOCATION: V:\60039838_SAT\450-Technical\V24-Sheets\RWY-321_Exten-PH4 – REBID\
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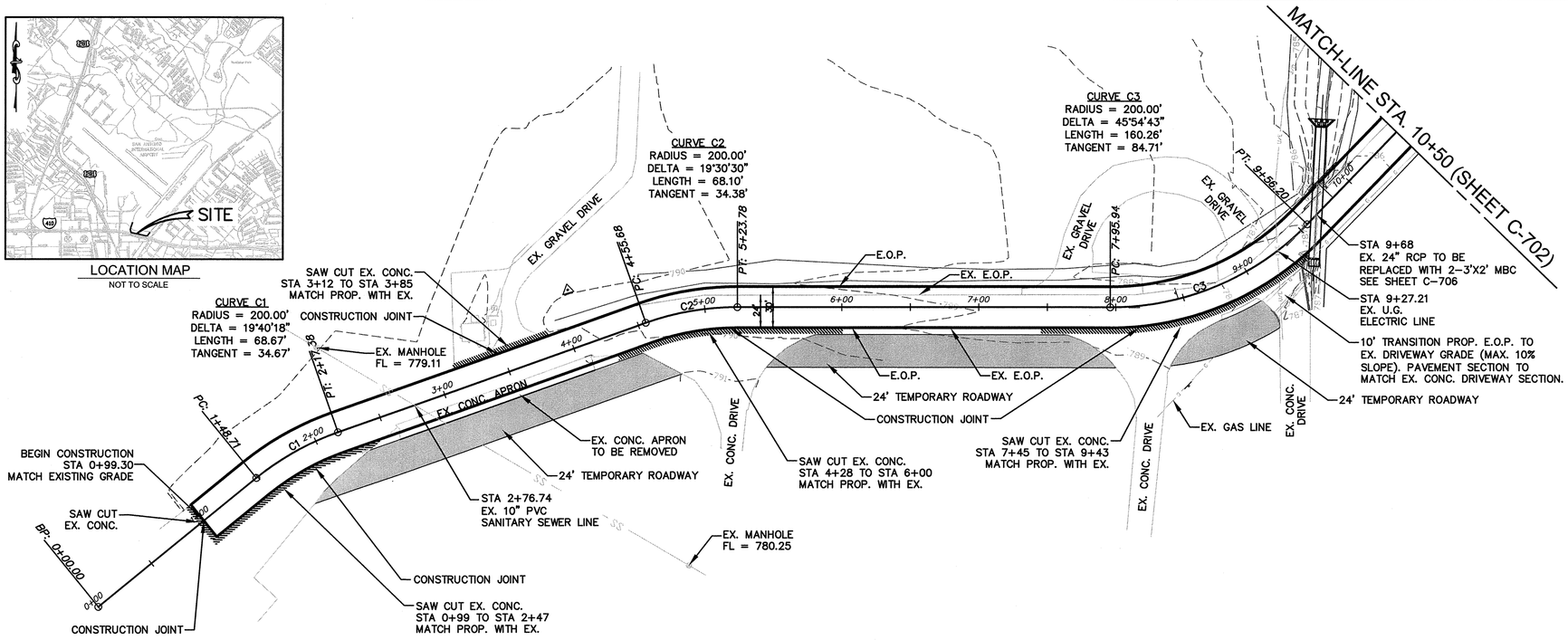
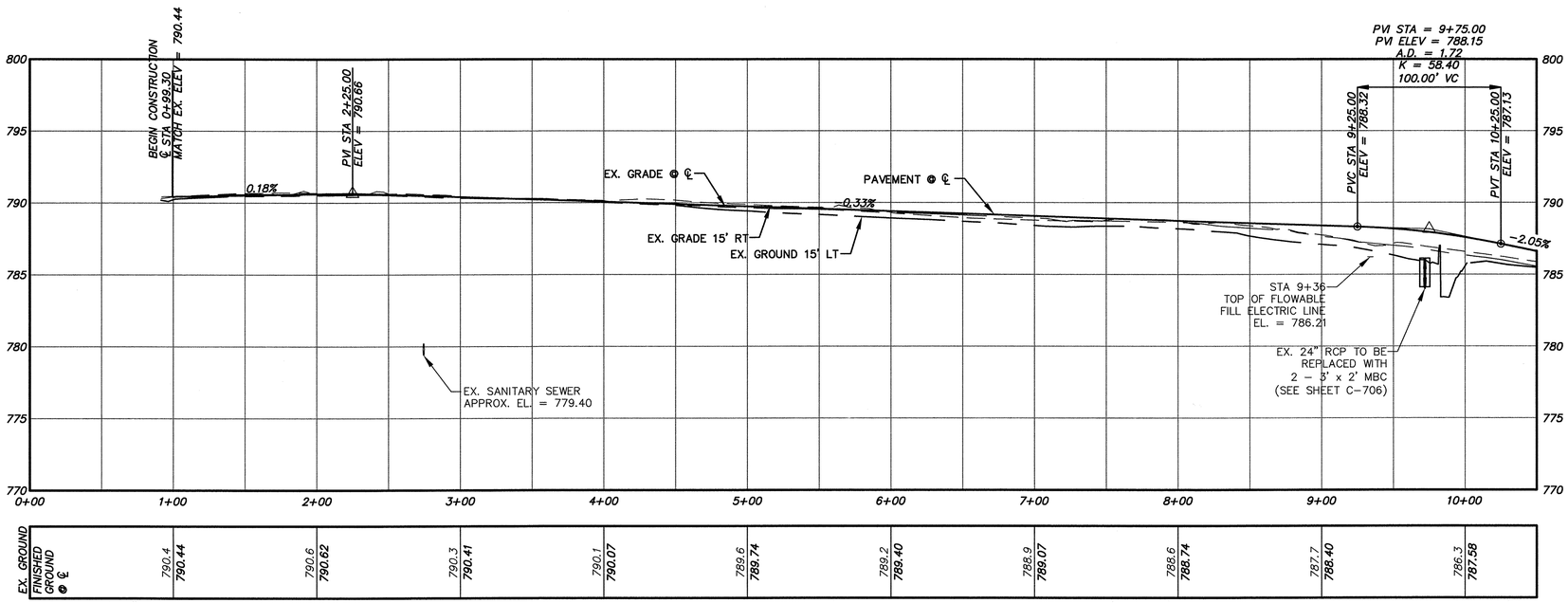
LOCATION MAP
NOT TO SCALE





	0+00	1+00	2+00	3+00	4+00	5+00	6+00	7+00	8+00	9+00	10+00
EX. GROUND	790.4	790.6	790.3	790.1	789.6	789.2	788.9	788.6	787.7	786.3	
FINISHED GROUND @ ℄	790.44	790.62	790.41	790.07	789.74	789.40	789.07	788.74	788.40	787.58	

LEGEND

C4	CURVE IDENTIFICATION NUMBERS
E.O.P.	EDGE OF PAVEMENT
RT	RIGHT
LT	LEFT
℄	CENTERLINE
EX.	EXISTING
U.G.	UNDERGROUND
PROP.	PROPOSED
CONC.	CONCRETE
	SAW CUT
	ASPHALT

50 25 0 50 100
HORIZONTAL SCALE: 1 IN = 50 FT
VERTICAL SCALE: 1 IN = 5 FT

NOTES:

1. SEE SHEET C-707 FOR TRAFFIC CONTROL, PHASING, GUARDRAIL, AND REFLECTORS.

2. SEE SHEET C-710 FOR PAVEMENT JOINT DETAILS AND TYPICAL CROSS SECTION.

3. INSTALL PAVEMENT MARKERS 2" FROM EDGE OF PAVEMENT. MARKERS TO BE SPACED EVERY FORTY FEET (40'). SEE DETAILS, SHEET C-710.

4. CONCRETE JOINTS TO BE SPACED NO MORE THAN FIFTEEN FEET (15').

5. OVERCUTTING WILL NOT BE PERMITTED WHERE CONTRACTOR HAS TO SAWCUT FOR PAVEMENT REMOVAL.

6. DEMOLITION OF EXISTING PAVEMENT OR EXISTING UTILITIES WITHIN 10 FEET OF EXISTING SANITARY LINES OR STRUCTURES, STORM DRAINAGE LINES OR STRUCTURES, ELECTRICAL LINES OR STRUCTURES, TO BE DONE IN A MANNER THAT WILL NOT CAUSE DAMAGE TO THOSE ENTITIES.

7. CONTRACTOR IS TO MAINTAIN TRAFFIC TWO-WAY FLOW DURING THE CONSTRUCTION AND IS TO INTERFACE TRANSITION TO THE EXISTING ROADWAY AT ALL TIMES (SEE TRAFFIC CONTROL PLAN, SHEET C-707). WHEN THE ROADWAY CAN NOT BE MAINTAINED FOR TWO-WAY TRAFFIC, THE CONTRACTOR NEEDS TO INSTALL TWO TEMPORARY TRAFFIC CONTROL LIGHTS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE TEMPORARY ELECTRICAL POWER AT ALL TIMES. THE PERIMETER ROAD IS TO REMAIN OPEN AT ALL TIMES DURING CONSTRUCTION AND AVAILABLE TO ALL TRAFFIC AT ALL TIMES. PROVIDE APPROPRIATE TRAFFIC CONTROL SIGNS AND DEVICES.

8. PAVEMENT THICKNESS SHOWN ON PLANS ARE NOMINAL. NO EXTRA PAY FOR INCREASED DEPTH OF PAVEMENT ASSOCIATED WITH PAVEMENT REMOVALS OF ALL TYPES.

No.	Revision	By	App.	Date
	ISSUE FOR BID			01-25-13

ISSUE FOR BID

SAN ANTONIO AIRPORT SYSTEM

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VICKREY & ASSOCIATES, INC.
CONSULTING ENGINEERS
12940 Country Parkway San Antonio, Texas 78216
Telephone: (210) 349-3271
Firm Registration No.: F-159

STATE OF TEXAS
GEOFFREY TY TURNER
90333
LICENSED
PROFESSIONAL ENGINEER
7-20-2012

Designed By:	TT
Drawn By:	ML/JH
Checked By:	TT
Date:	12-10-2012
Scale:	AS SHOWN

SAN ANTONIO INTERNATIONAL AIRPORT
SOUTH PERIMETER ROAD REBID

PLAN AND PROFILE
SOUTH PERIMETER ROAD

Project No.	33-00160	C.I.P. No.	0000	Sheet	C-701
		A.I.P. No.	3-48-0192-069-2011		

LAST MODIFIED: Jul 17, 2012 - 2:59pm BY USER: MLinton
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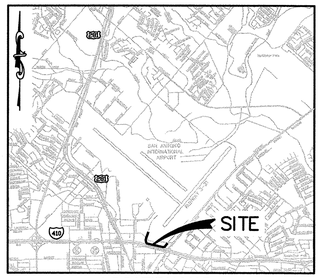


LOCATION MAP
NOT TO SCALE

LEGEND

C4	CURVE IDENTIFICATION NUMBERS
E.O.P.	EDGE OF PAVEMENT
RT	RIGHT
LT	LEFT
℄	CENTERLINE
EX.	EXISTING
U.G.	UNDERGROUND
PROP.	PROPOSED
CONC.	CONCRETE
	SAW CUT
	ASPHALT
×700	DRAINAGE SWALE FLOWLINE ELEVATIONS

NOTES:

1. SEE SHEET C-707 FOR TRAFFIC CONTROL, PHASING, GUARDRAIL, AND REFLECTORS.

2. SEE SHEET C-710 FOR PAVEMENT JOINT DETAILS AND TYPICAL CROSS SECTION.

3. INSTALL PAVEMENT MARKERS 2" FROM EDGE OF PAVEMENT. MARKERS TO BE SPACED EVERY FORTY FEET (40'). SEE DETAILS, SHEET C-710.

4. CONCRETE JOINTS TO BE SPACED NO MORE THAN FIFTEEN FEET (15').

5. CUT V-SWALE 10' OFFSET FROM NORTHERN E.O.P. SWALE SLOPE IS 0.3% (PROP. ELEVATION SHOWN, THIS SHEET). MATCH FLOWLINE AT EX. AND PROP. CULVERTS. SWALE LOCATION IS APPROXIMATE. AVOID CONC. UTILITY PADS.

6. OVERCUTTING WILL NOT BE PERMITTED WHERE CONTRACTOR HAS TO SAWCUT FOR PAVEMENT REMOVAL.

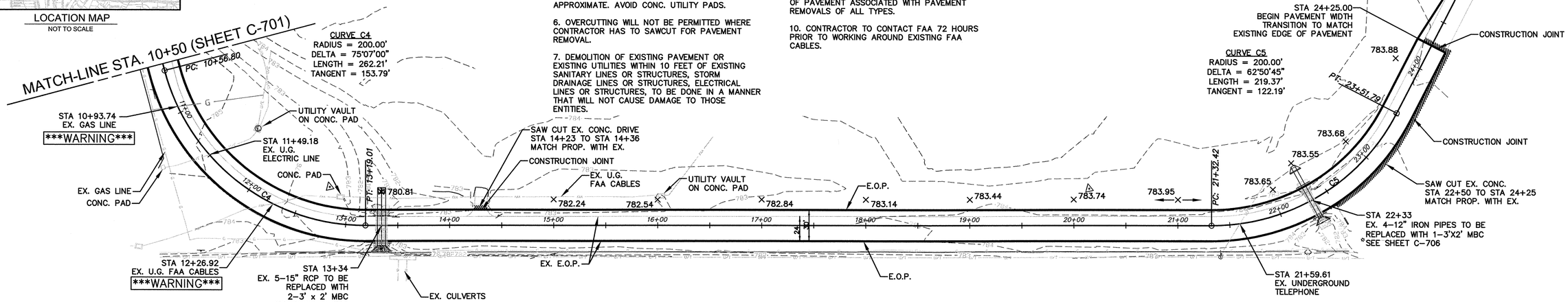
7. DEMOLITION OF EXISTING PAVEMENT OR EXISTING UTILITIES WITHIN 10 FEET OF EXISTING SANITARY LINES OR STRUCTURES, STORM DRAINAGE LINES OR STRUCTURES, ELECTRICAL LINES OR STRUCTURES, TO BE DONE IN A MANNER THAT WILL NOT CAUSE DAMAGE TO THOSE ENTITIES.

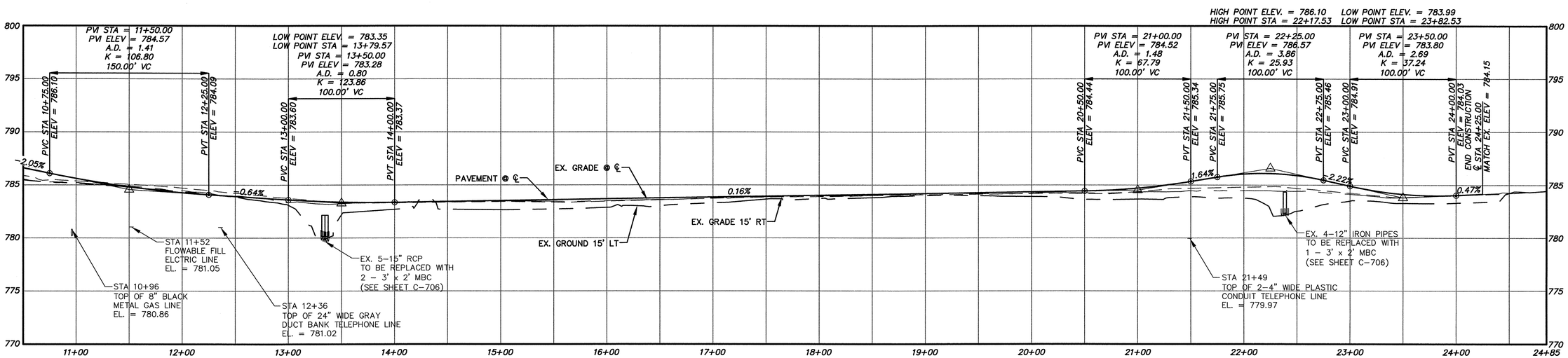
8. CONTRACTOR IS TO MAINTAIN TRAFFIC TWO-WAY FLOW DURING THE CONSTRUCTION AND IS TO INTERFACE TRANSITION TO THE EXISTING ROADWAY AT ALL TIMES (SEE TRAFFIC CONTROL PLAN, SHEET C-707). WHEN THE ROADWAY CAN NOT BE MAINTAINED FOR TWO-WAY TRAFFIC, THE CONTRACTOR NEEDS TO INSTALL TWO TEMPORARY TRAFFIC CONTROL LIGHTS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE TEMPORARY ELECTRICAL POWER AT ALL TIMES. THE PERIMETER ROAD IS TO REMAIN OPEN AT ALL TIMES DURING CONSTRUCTION AND AVAILABLE TO ALL TRAFFIC AT ALL TIMES. PROVIDE APPROPRIATE TRAFFIC CONTROL SIGNS AND DEVICES.

9. PAVEMENT THICKNESS SHOWN ON PLANS ARE NOMINAL. NO EXTRA PAY FOR INCREASED DEPTH OF PAVEMENT ASSOCIATED WITH PAVEMENT REMOVALS OF ALL TYPES.

10. CONTRACTOR TO CONTACT FAA 72 HOURS PRIOR TO WORKING AROUND EXISTING FAA CABLES.

50 25 0 50 100
HORIZONTAL SCALE: 1 IN = 50 FT
VERTICAL SCALE: 1 IN = 5 FT





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FINISHED GROUND @ ℄	785.62	784.28	783.60	783.37	783.53	783.70	783.86	784.03	784.19	784.36	784.70	786.04	784.91	784.03

No.	Revision	By	App.	Date
	ISSUE FOR BID			01-25-13

ISSUE FOR BID

SAN ANTONIO AIRPORT SYSTEM

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12940 Country Parkway San Antonio, Texas 78216
Telephone: (210) 349-3271
Firm Registration No.: F-159

STATE OF TEXAS
GEOFFREY TY TURNER
90333
LICENSED PROFESSIONAL ENGINEER
7-26-2012

Designed By:	TT
Drawn By:	ML/JH
Checked By:	TT
Date:	12-10-2012
Scale:	AS SHOWN

SAN ANTONIO INTERNATIONAL AIRPORT
SOUTH PERIMETER ROAD REBID

PLAN AND PROFILE
SOUTH PERIMETER ROAD

Project No.	33-00160	C.I.P. No.	0000	Sheet	C-702
		A.I.P. No.	3-48-0192-069-2011		

LAST MODIFIED: Jul 17, 2012 - 2:56pm BY USER: MLinton
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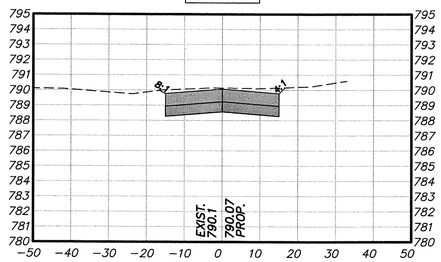

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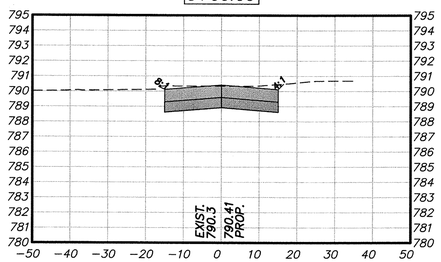

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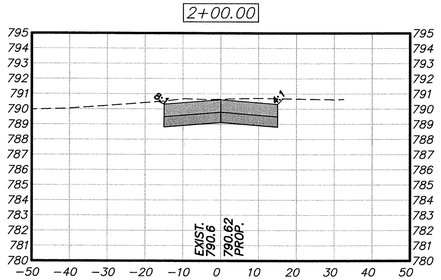

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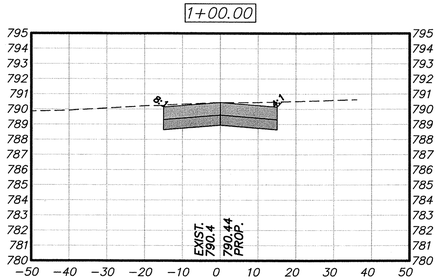

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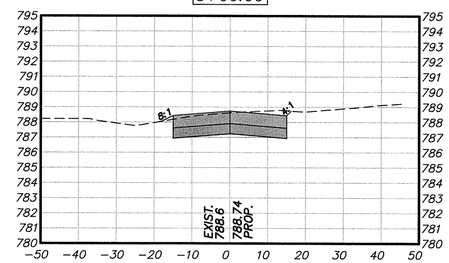

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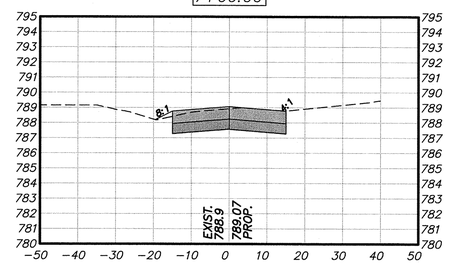

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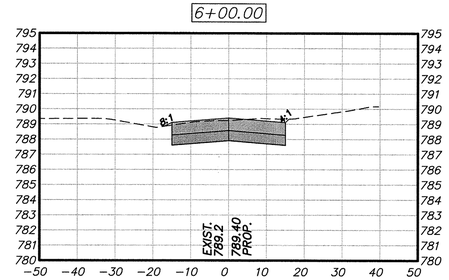

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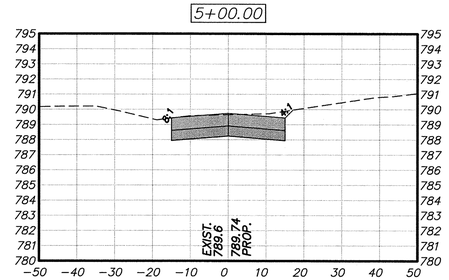

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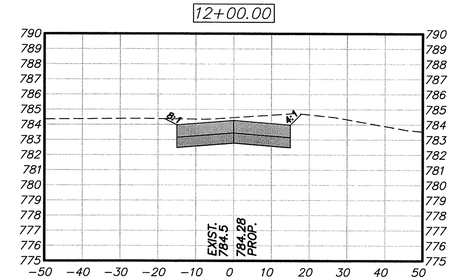

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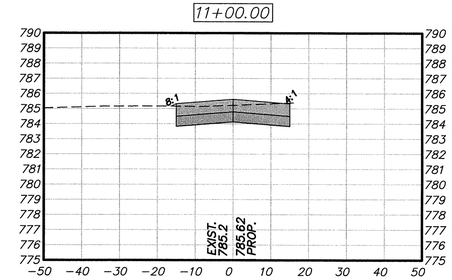

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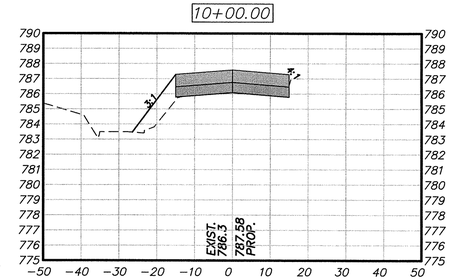

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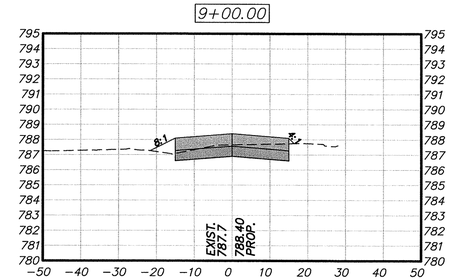

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90333
LICENSED PROFESSIONAL ENGINEER
7-20-2012

Designed By:	TT
Drawn By:	ML/JH
Checked By:	TT
Date:	12-10-2012
Scale:	AS SHOWN

SAN ANTONIO INTERNATIONAL AIRPORT
SOUTH PERIMETER ROAD REBID

ROADWAY CROSS SECTIONS
SOUTH PERIMETER ROAD

Project No. 33-00160 | C.I.P. No. 0000 | A.I.P. No. 3-48-0192-069-2011 | Sheet C-703

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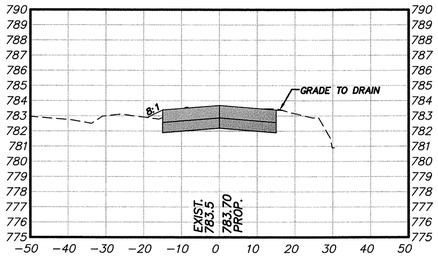

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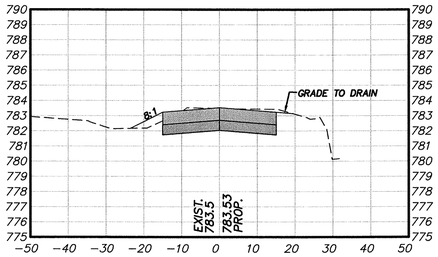

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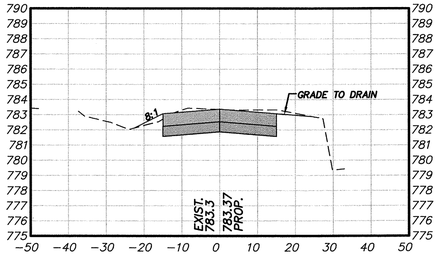

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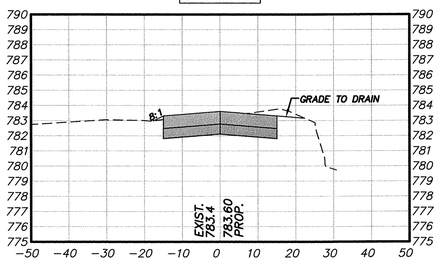

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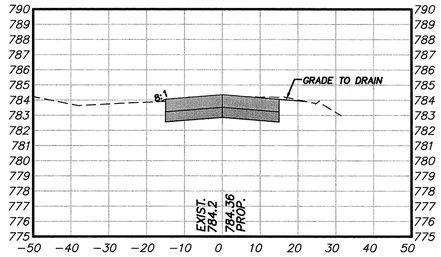

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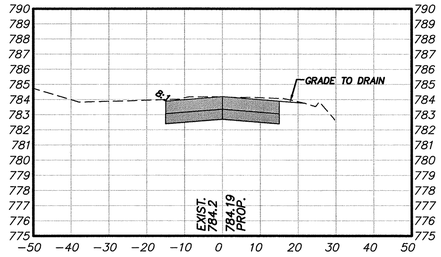

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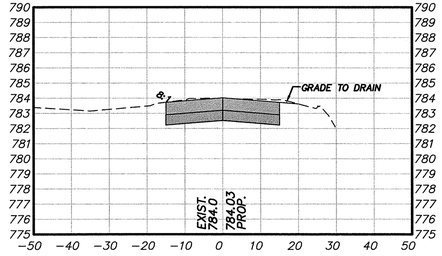

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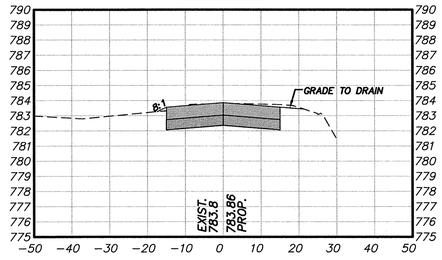

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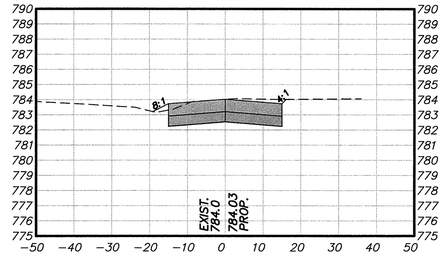

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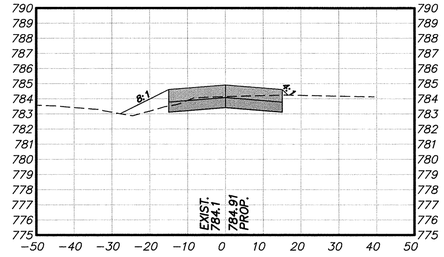

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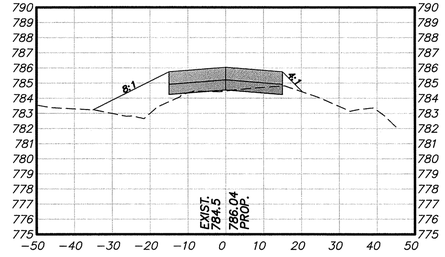

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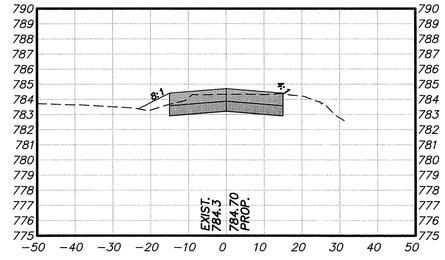

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7-26-2012

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SAN ANTONIO INTERNATIONAL AIRPORT

SOUTH PERIMETER ROAD REBID

ROADWAY CROSS SECTIONS SOUTH PERIMETER ROAD

Project No.	33-00160	C.I.P. No.	0000	Sheet	C-704
		A.I.P. No.	3-48-0192-069-2011		

LAST MODIFIED: Jul 17, 2012 - 3:00pm BY USER: MLahlon
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NOTES

1. EXISTING CONTOURS SHOWN ARE DEVELOPED FROM THE LATEST SURVEY INFORMATION AVAILABLE, TIE-INS TO EXISTING GROUND ARE THEREFORE APPROXIMATE.
2. CONTRACTOR SHALL HYDROMULCH-SEED ALL AREAS DISTURBED BY GRADING AND CONSTRUCTION OPERATIONS. HYDROMULCH-SEED TO BE PERFORMED IN ACCORDANCE WITH SPECIFICATION ITEM T-901.
3. CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE THROUGHOUT THE SITE FOR THE DURATION OF THE PROJECT.
4. THE GENERAL DRAINAGE AREAS/PATTERNS WILL NOT CHANGE AS A RESULT OF THE WORK DONE IN THIS PROJECT.
5. CONTRACTOR TO LIMIT ACTIVITIES TO THOSE NECESSARY TO COMPLETE THE WORK IN THE PROXIMATE AREA OF THE GAS LINE.
6. CONTRACTOR SHALL NOT DISTURB AREAS BEYOND THE GRADING LIMITS OR STOCKPILE AREAS THAT ARE PROXIMATE TO THE GAS LINE.
7. SEE SHEET C-706 FOR CULVERT PROFILES. SEE SHEETS C-709 TO C-710 FOR RCP CULVERT, RIPRAP HEADWALL AND RELATED DETAILS.

SAIA Perimeter South

Existing Runoff Flow Rates Drainage Area

REFERENCE POINT	Drainage Areas	C	Drainage Area (ac)	Tc (min)	I(2) (in/hr)	I(5) (in/hr)	I(10) (in/hr)	I(25) (in/hr)	I(100) (in/hr)	Q(2) (cfs)	Q(5) (cfs)	Q(10) (cfs)	Q(25) (cfs)	Q(100) (cfs)
1	DA1	0.93	8.10	12.7	4.92	5.86	6.78	7.69	10.47	37.16	44.26	51.21	58.08	79.08
2	DA2	0.47	11.90	30.0	3.28	3.80	4.24	5.00	6.10	18.15	21.03	23.46	27.67	33.75
2	DA1-2	0.65	20.00	30.0	3.28	3.80	4.24	5.00	6.10	42.92	49.73	55.49	65.43	79.83
3	DA3	0.41	2.60	34.8	2.97	3.46	3.87	4.58	5.67	3.17	3.69	4.13	4.88	6.04

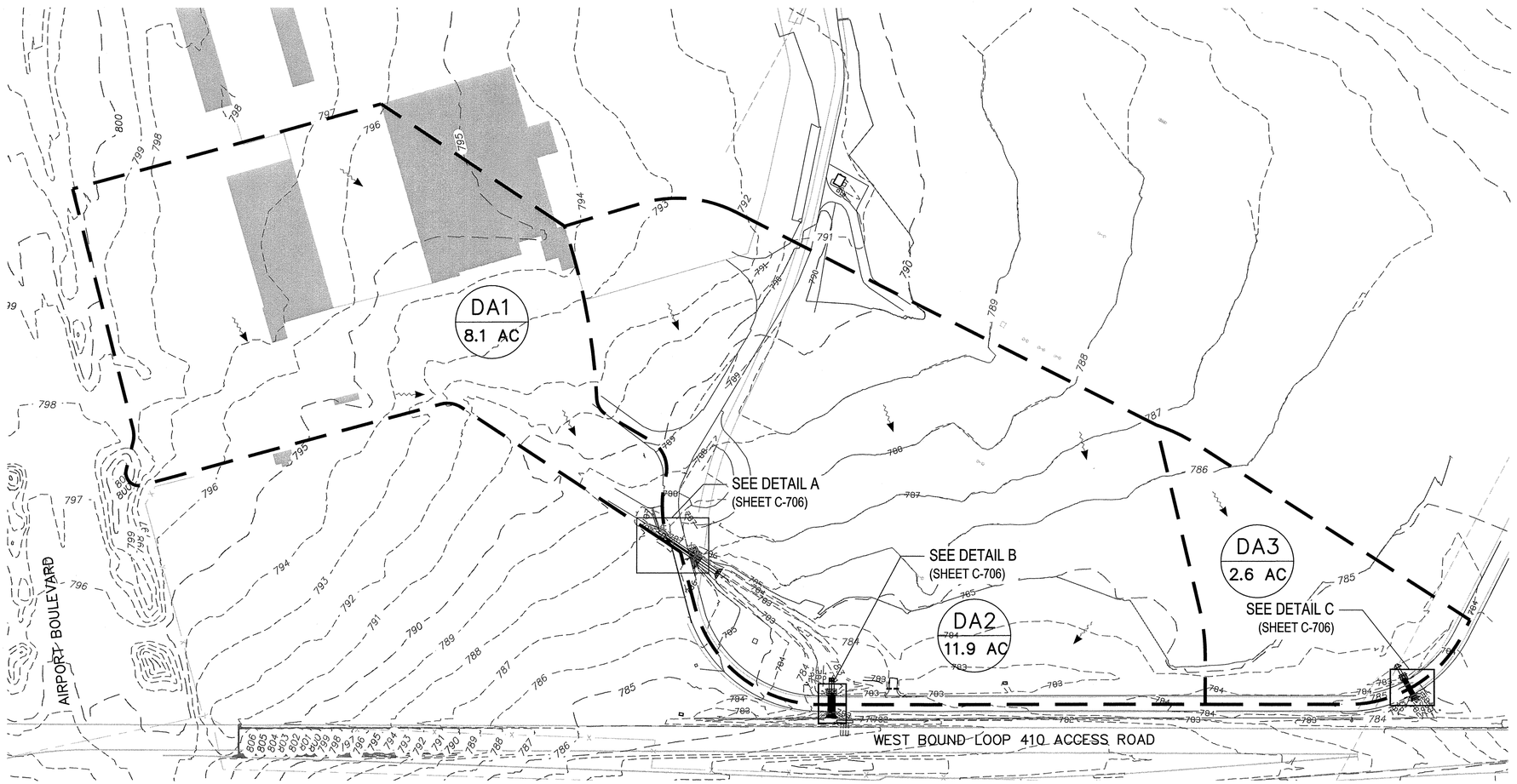
Rainfall Intensities based on Bexar County Infrastructure Services Technical Memorandum Jan 2011 and accepted by COSA

100 50 0 100 200

SCALE: 1 IN = 100 FT

LEGEND

- DRAINAGE AREA FLOW ARROWS
- DA-1 DRAINAGE AREA
- DRAINAGE AREA BOUNDARY
- 100 YEAR FLOODPLAIN



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7-26-2012

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Checked By:	TT
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SAN ANTONIO INTERNATIONAL AIRPORT
SOUTH PERIMETER ROAD REBID

DRAINAGE PLAN

Project No. 33-00160 | C.I.P. No. 0000 | A.I.P. No. 3-48-0192-069-2011 | Sheet C-705

LAST MODIFIED: Jul 17, 2012 - 3:01pm BY USER: MLinton
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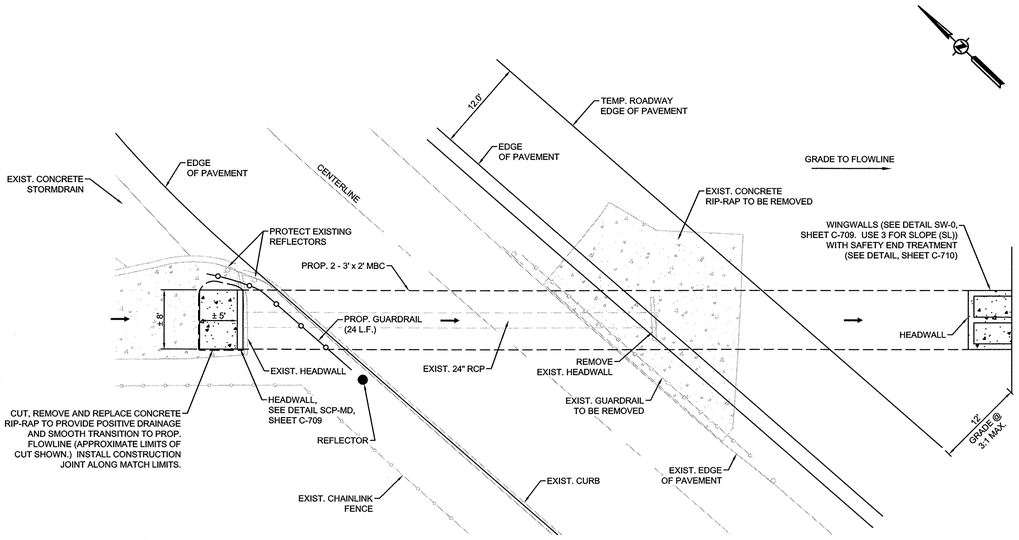

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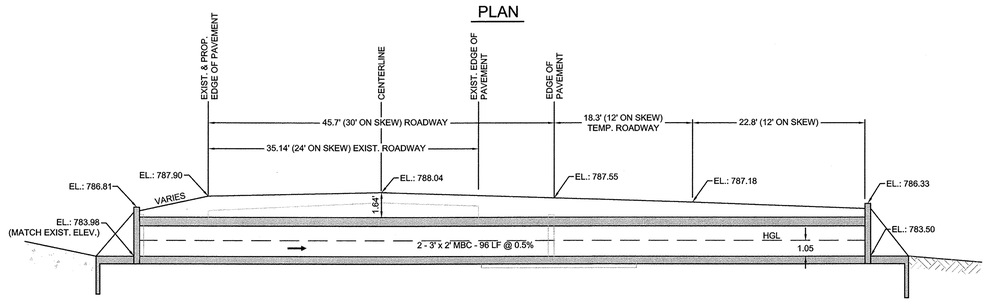
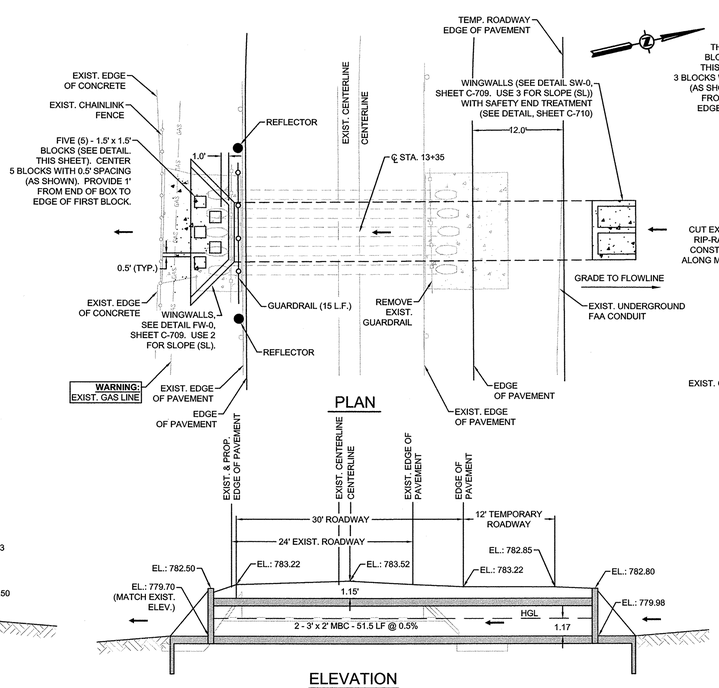


ELEVATION

DRAINAGE CULVERT "A" PLAN AND PROFILE
ROADWAY STA. 9+66
SCALE: 1" = 10' H, 1" = 5' V



PLAN

ELEVATION

DRAINAGE CULVERT "B" PLAN AND PROFILE
ROADWAY STA. 13+35
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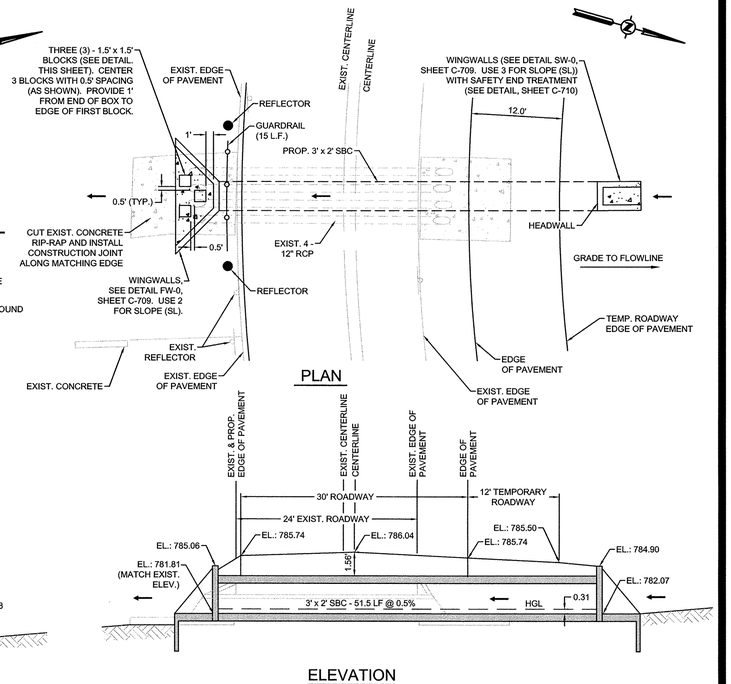
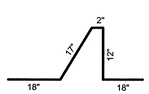


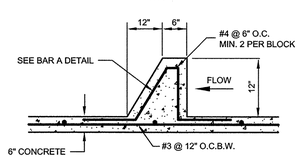
PLAN

ELEVATION

DRAINAGE CULVERT "C" PLAN AND PROFILE
ROADWAY STA. 22+33
SCALE: 1" = 10' H, 1" = 5' V



BAR A DETAIL
NTS



BLOCK DETAIL
NTS

ENERGY DISSIPATER BLOCK DETAIL

NOTE:
REFLECTORS TO BE EMBEDDED FLEXIBLE POSTS (SEE DETAILS SHEET C-712). LOCATE REFLECTORS 2' FROM EDGE OF GUARDRAIL AS SHOWN.

HYDRAULIC CALCULATIONS

CULVERT	D/S FLOWLINE (FT)	U/S FLOWLINE (FT)	LENGTH (LF)	SLOPE (%)	TYPE	Q (CFS)	MANNING'S N	DEPTH (FT)	VELOCITY (FPS)
A	783.50	783.98	96	0.50	2 - 3' x 2' MBC	37	0.015	1.05	5.86
B	779.70	779.98	51.50	0.50	2 - 3' - 2' MBC	43	0.015	1.17	6.13
C	781.81	782.07	51.50	0.50	1 - 3' X 2' SBC	3	0.015	0.31	3.18

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7-20-2012

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Drawn By: ML/JH
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Date: 12-10-2012
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SAN ANTONIO INTERNATIONAL AIRPORT
SOUTH PERIMETER ROAD REBID

DRAINAGE PLAN AND PROFILE

Project No. 33-00160 | C.I.P. No. 0000 | A.I.P. No. 3-48-0192-069-2011 | Sheet C-706

LAST MODIFIED: Jul 17, 2012 – 3:02pm BY USER: MLinton
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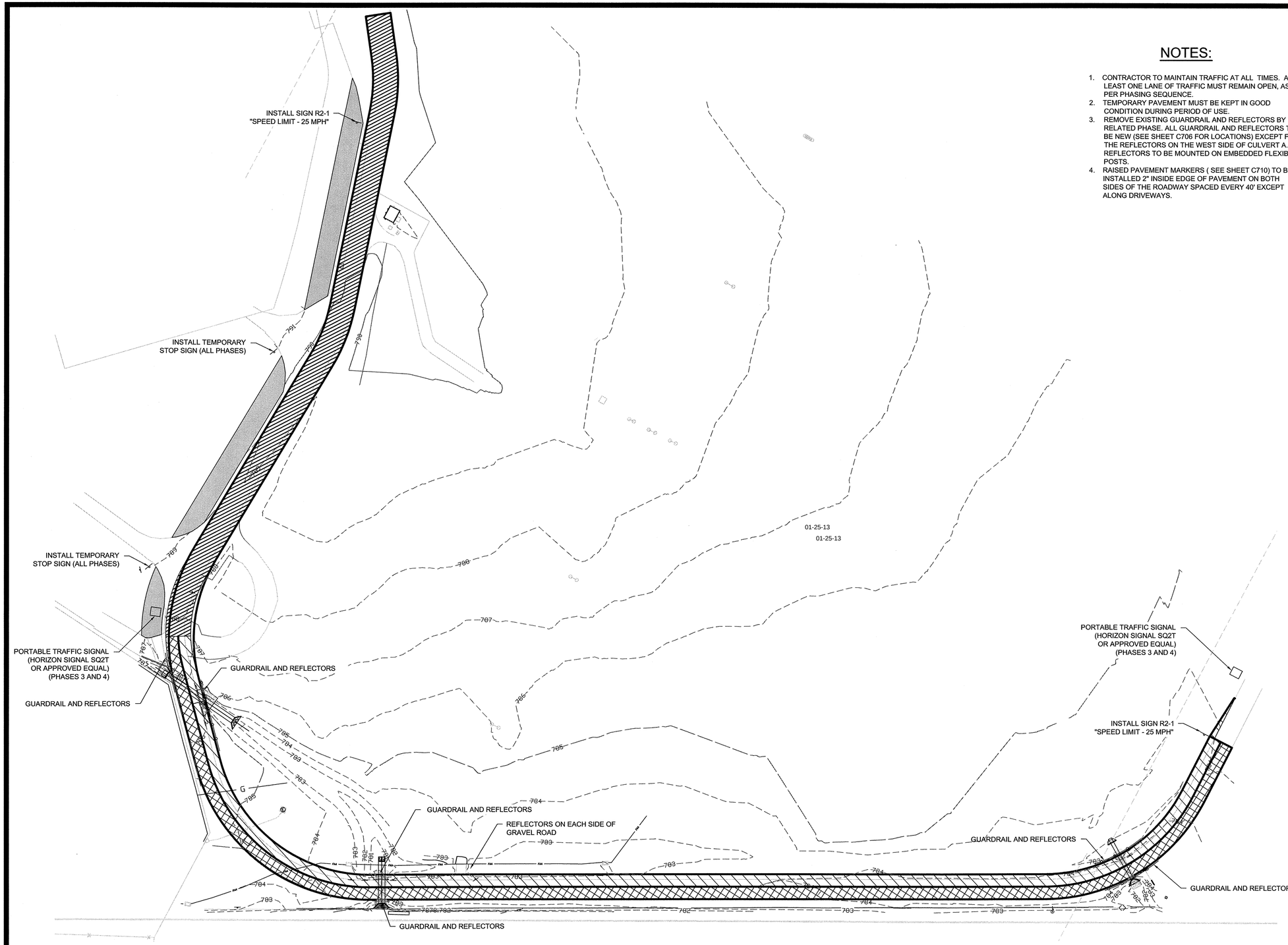

NOTES:

1. CONTRACTOR TO MAINTAIN TRAFFIC AT ALL TIMES. AT LEAST ONE LANE OF TRAFFIC MUST REMAIN OPEN, AS PER PHASING SEQUENCE.
2. TEMPORARY PAVEMENT MUST BE KEPT IN GOOD CONDITION DURING PERIOD OF USE.
3. REMOVE EXISTING GUARDRAIL AND REFLECTORS BY RELATED PHASE. ALL GUARDRAIL AND REFLECTORS TO BE NEW (SEE SHEET C706 FOR LOCATIONS) EXCEPT FOR THE REFLECTORS ON THE WEST SIDE OF CULVERT A. REFLECTORS TO BE MOUNTED ON EMBEDDED FLEXIBLE POSTS.
4. RAISED PAVEMENT MARKERS (SEE SHEET C710) TO BE INSTALLED 2" INSIDE EDGE OF PAVEMENT ON BOTH SIDES OF THE ROADWAY SPACED EVERY 40' EXCEPT ALONG DRIVEWAYS.

60 30 0 60 120

SCALE: 1 IN = 60 FT

ROADWAY SEQUENCING NOTES

PHASE 1 CONSTRUCTION

1. CONSTRUCT TEMPORARY 24' 2-LANE ASPHALT ROADWAY (PHASE 1) (STATION 0+00 TO STATION 9+00).

PHASE 2 CONSTRUCTION

2. CLOSE PERIMETER ROAD FROM STATION 0+96 TO STATION 9+00. BUILD 2-LANE CONCRETE ROADWAY FROM STATION 0+97 TO STATION 9+00 (PHASE 2).

PHASE 3 CONSTRUCTION

3. TEMPORARILY CLOSE 9' OF THE WESTBOUND LANE FROM STATION 9+00 TO STATION 24+25 AND PROPERLY SHIFT TRAFFIC TO A SINGLE TWO-WAY LANE IN THE EXISTING EASTBOUND LANE. BARRICADES BETWEEN PHASES 3 AND 4 SHALL BE WATER-FILLED BARRICADES. INSTALL PORTABLE TRAFFIC SIGNAL DEVICES AS SHOWN.
4. CONSTRUCT EASTERN PORTION OF CULVERT A (STATION 9+66) AND NORTHERN PORTIONS OF CULVERT B (STATION 13+35) AND CULVERT C (STATION 22+33).
5. CONSTRUCT THE WESTBOUND LANE (15') AS PHASE 3 (EXCEPT AT CULVERTS).
6. CONSTRUCT 200 FEET OF TEMPORARY ROADWAY FOR CULVERTS (CENTERED ON EACH CULVERT). PLACE WATER-FILLED BARRELS AT EDGE OF TEMPORARY ROADWAY ALONG CULVERT LOCATIONS.
7. ROUTE TRAFFIC AROUND CULVERT AREAS VIA TEMPORARY ROADWAY.
8. CONSTRUCT REMAINING PORTIONS OF CULVERTS.
9. COMPLETE ROADWAY CONSTRUCTION OF WESTBOUND LANE AT CULVERTS.

PHASE 4 CONSTRUCTION

10. TEMPORARILY CLOSE THE REMAINING 15' OF EXISTING ROADWAY FROM STATION 9+00 TO STATION 24+25 AND PROPERLY SHIFT TRAFFIC TO A SINGLE TWO-WAY LANE IN THE NEWLY CONSTRUCTED WESTBOUND LANE. BARRICADES BETWEEN PHASES 3 AND 4 SHALL BE WATER-FILLED BARRICADES.
11. CONSTRUCT THE EASTBOUND LANE (15') AS PHASE 4.

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SAN ANTONIO INTERNATIONAL AIRPORT

SOUTH PERIMETER ROAD REBID

TRAFFIC CONTROL PLAN

Project No.	33-00160	C.I.P. No.	0000	Sheet	C-707
		A.I.P. No.	3-48-0192-069-2011		

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