

February 25, 2015

**Addendum No 1**

Dear Bidders:

Attached you will find **ADDENDUM NO. 1**, as follow:

- 1.- On Project Manual replace pages 00405-1 of 4 to 00405-4 of 4 (Schedule of Unit Price Work).
- 2.- On Reconstruction of Border Avenue From 18<sup>th</sup> Street to 34<sup>th</sup> Street Set of Construction Plans replace sheets 6, 9, 10, 30, 31, and 57.

All this pages replaced the previous ones in connection with "CITY OF WESLACO AND HIDALGO COUNTY" - request for bids for "**Border Avenue Road and Waterline Improvements**".

Please add this ADDENDUM NO. 1 to your bid packet so as to permit your company to submit a complete bid. See original bid packet FORM PROPOSAL 3.0 ADDENDA page 00310-2 of 4, paragraph 2.

Acknowledge receipt of ADDENDUM NO. 1 by signing and returning this notice to us **VIA FAX AT (956) 318-2629.**

If you do not receive all pages of ADDENDUM NO. 1 please notify us immediately at (956) 447-2240.

Please be advised that this ADDENDUM NO. 1 will complete your bid packet for "**Border Avenue Road and Waterline Improvements**".

Thank you for your prompt attention to this matter.

BY:

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Homer Rhodes  
City of Weslaco Purchasing Agent

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ADDENDUM NO. 1  
ACKNOWLEDGMENT OF RECEIPT



Document 00405

**SCHEDULE OF UNIT PRICE WORK**

This Document, constitutes a Supplemental to Document 00310 – Form of Proposal.  
 When a Contract is awarded, this Document becomes a supplement to Document 00500 – Form of Agreement  
 Between Owner and Contractor.

BASE BID					
SPEC NO.	DESCRIPTION	QTY	UNIT	UNIT PRICE (in figures)	UNIT TOTAL (in figures)
0100-2002	PREPARING ROW	52.5	STA	\$	\$
0104-2009	REMOVING CONC (RIPRAP)	49	SY	\$	\$
0110-2001	EXCAVATION (ROADWAY)	18543	CY	\$	\$
0132-2006	EMBANKMENT (FINAL)(DENS CONT)(TY C)	2428	CY	\$	\$
0164-2023	CELL FBR MLCH SEED(PERM)(RURAL)(CLAY)	15803	SY	\$	\$
0168-2001	VEGETATIVE WATERING	500	MG	\$	\$
0247-2060	FL BS (CMP IN PLC)(TY E GR 4)(FNAL POS)	8517	CY	\$	\$
0260-2011	LIME TRT (EXST MATL) (12")	26133	SY	\$	\$
0260-2016	LIME (HYD, COM, OR QK(SLURRY))	259	TON	\$	\$
0310-2001	PRIME COAT (MC-30)	4604	GAL	\$	\$
3268-2047	D-GR HMA TY-D SAC-A PG76-22	5248	TON	\$	\$
5261-2002	GEOGRID BASE REINFORCEMENT (TY II)	25550	SY	\$	\$
0400-2006	CUT & RESTORING PAV	2945	SY	\$	\$
0402-2001	TRENCH EXCAVATION PROTECTION	4944	LF	\$	\$
0420-2016	CL C CONC (COLLAR)	2	EA	\$	\$
0432-2001	RIPRAP (CONC)(4 IN)	85	CY	\$	\$
0460-2009	CMP (GAL STL 48 IN)	138	LF	\$	\$
0464-2089	RC PIPE (CL III)(18 IN)(SPL)	770	LF	\$	\$
0464-2090	RC PIPE (CL III)(24 IN)(SPL)	1273	LF	\$	\$
0464-2091	RC PIPE (CL III)(30 IN)(SPL)	965	LF	\$	\$
0464-2092	RC PIPE (CL III)(36 IN)(SPL)	1936	LF	\$	\$
0464-2094	RC PIPE (CL III)(48 IN)(SPL)	132	LF	\$	\$
0465-2103	INLET (COMPL)(TY F)	24	EA	\$	\$
0465-2104	INLET EXT	12	EA	\$	\$
0465-2006	MANH (COMPL)(JUNCT BOX)(TY M)	5	EA	\$	\$
0465-2013	MANH (COMPL)(TY A)	16	EA	\$	\$
0479-2001	ADJ MANHS	13	EA	\$	\$
0496-2002	REMOV STR (INLET)	1	EA	\$	\$
0496-2003	REMOV STR (MANHOLE)	3	EA	\$	\$



BASE BID (Cont)					
SPEC NO.	DESCRIPTION	QTY	UNIT	UNIT PRICE (in figures)	UNIT TOTAL (in figures)
0502-2001	BARRICADES, SIGNS AND TRAFFIC HANDLING	8	MO	\$	\$
0529-****	CONCRETE CURB & GUTTER (18" COW STD)	10517	LF	\$	\$
0529-****	CONCRETE CURB & GUTTER (2' VALLEY GUTTER COW STD)	565	LF	\$	\$
0530-2010	DRIVEWAYS (CONC)	778	SY	\$	\$
0530-2011	DRIVEWAYS (ACP)	888	SY	\$	\$
0542-2001	REMOVING METAL BEAM GUARD FENCE	25	LF	\$	\$
550-****	ADJUST GATES-VEHICULAR	10	EA	\$	\$
0560-2011	MAILBOX INSTALL-S (TWG-POST) TY 2 FND	27	EA	\$	\$
0560-2013	MAILBOX INSTALL-D (TWG-POST) TY 2 FND	2	EA	\$	\$
0560-2024	MAILBOX INSTALL-M(TWG-POST)TY 2 FND	1	EA	\$	\$
0644-2001	IN SM RD SN SUP&AM TY10BWG(1)SA(P)	28	EA	\$	\$
0644-2025	IN SM RD SN SUP&AM TYS80(1)SA(T)	4	EA	\$	\$
0644-2056	RELOCATE SM RD SN SUP & AM TY 10BWG	5	EA	\$	\$
0644-2060	REMOVE SM RD SN SUP & AM	21	EA	\$	\$
0644-2077	REMOVE SM RD SN SUP & AM (SIGN ONLY)	6	EA	\$	\$
0666-2006	REFL PAV MRK TY I (W) 4" (DOT)(100MIL)	40	LF	\$	\$
0666-2036	REFL PAV MRK TY I (W) 8" (SLD)(100MIL)	481	LF	\$	\$
0666-2048	REFL PAV MRK TY I (W) 24"(SLD)(100MIL)	301	LF	\$	\$
0666-2054	REFL PAV MRK TY I (W) (ARROW) (100MIL)	32	EA	\$	\$
0666-2096	REFL PAV MRK TY I (W) (WORD) (100MIL)	4	EA	\$	\$
0666-2105	REFL PAV MRK TY I (Y) 4" (BRK)(100MIL)	2220	LF	\$	\$
0666-2111	REFL PAV MRK TY I (Y) 4" (SLD)(100MIL)	9337	LF	\$	\$
0672-2012	REFL PAV MRKR TY I-C	27	EA	\$	\$
0672-2015	REFL PAV MRKR TY II-A-A	256	EA	\$	\$
1122-2002	ROCK FILTER DAMS (INSTALL) (TY 2)	80	LF	\$	\$
1122-2009	ROCK FILTER DAMS (REMOVE)	80	LF	\$	\$
1122-2017	CONSTRUCTION EXITS (INSTALL) (TY 2)	156	SY	\$	\$
1122-2019	CONSTRUCTION EXITS (REMOVE)	156	SY	\$	\$
1122-2048	BIOGRD EROSN CONT LOGS (12" DIA)INSTALL	1632	LF	\$	\$
1122-2056	BIODEGRADBLE EROSION CONTROL LOGS REMOV	1632	LF	\$	\$
1122-2037	TEMPORARY SEDIMENT CONTROL FENCE INSTLL	3105	LF	\$	\$
1122-2057	TEMPORARY SEDIMENT CONTROL FENCE REMOVE	3105	LF	\$	\$
****_****	ADJUST WATER MAIN	1	LS	\$	\$
	MOBILIZATION	1	LS	\$	\$
<b>BASE BID TOTAL (in figures)</b>					\$

In case of DISCREPANCIES, Unit Price RULES OVER Unit Total and Total Amounts.



ALTERNATE BID No 1 (SIDEWALK)					
SPEC NO.	DESCRIPTION	QTY	UNIT	UNIT PRICE (in figures)	UNIT TOTAL (in figures)
0531-2003	CONC SIDEWALKS (5') (6")	11216	LF	\$	\$
0531-2040	CURB RAMPS (TY 5)	16	EA	\$	\$
0531-2041	CURB RAMPS (TY 10)	6	EA	\$	\$
ADD ON BID 2 GRAND TOTAL (in figures)					\$
GRAND TOTAL (BASE BID + ADD BID No 1) :					\$

In case of DISCREPANCIES, Unit Price RULES OVER Unit Total and Total Amounts.

ALTERNATE BID No 2 (EN-1 Roadbond Treated Subgrade)					
SPEC NO.	DESCRIPTION	QTY	UNIT	UNIT PRICE (in figures)	UNIT TOTAL (in figures)
3000	EN-1 ROADBOND (0.01125 GAL/SY)	294	GAL	\$	\$
3000	EN-1 TRT (MIX EXST MATL& NEW BASE)(DC)(12")	26133	SY	\$	\$
0260-2011	LIME TRT (EXST MATL) (12")	-26133	SY	\$	\$
0260-2016	LIME (HYD, COM, OR QK(SLURRY))	-259	TON	\$	\$
ADD ON BID 3 GRAND TOTAL (in figures)					\$
GRAND TOTAL (USING SUBGRADE STABL WITH EN-1) :					\$

In case of DISCREPANCIES, Unit Price RULES OVER Unit Total and Total Amounts.

Waterline Bid					
SPEC NO.	DESCRIPTION	QTY	UNIT	UNIT PRICE (in figures)	UNIT TOTAL (in figures)
02511-01	12" Water line DR-18 C-900 w/ fittings	5446	LF	\$	\$
02511-02	8" Water line DR-18 C-900 w/ fittings	234	LF	\$	\$
02511-03	12" Cap	4	EA	\$	\$
02521-01	12" Gate Valve w/box	12	EA	\$	\$
02521-01	8" Gate Valve w/box	2	EA	\$	\$
02520'	Fire Hydrant w/valve	14	EA	\$	\$
02501-01	90° Elbow	2	EA	\$	\$
02501-02	45° Elbow	10	EA	\$	\$
02511-04	12" Tee	8	EA	\$	\$
	21" Steel Casing	79	LF	\$	\$
	21" PVC Casing	333	LF	\$	\$
Waterline Total					\$



<b>SUMMARY</b>		
	Total Road Improvements	
	Total Alternative 1	
	Total Alternative 2	
	Total Waterline Improvements	

**TOTAL BID PRICE (Total Unit Prices Plus Cash Allowance, if any)**

\$ \_\_\_\_\_

Notes:

(1) United States Dollars. In the event of a discrepancy, this column shall govern.

Project: \_\_\_\_\_

Project No. \_\_\_\_\_ Bidder's Signature: \_\_\_\_\_

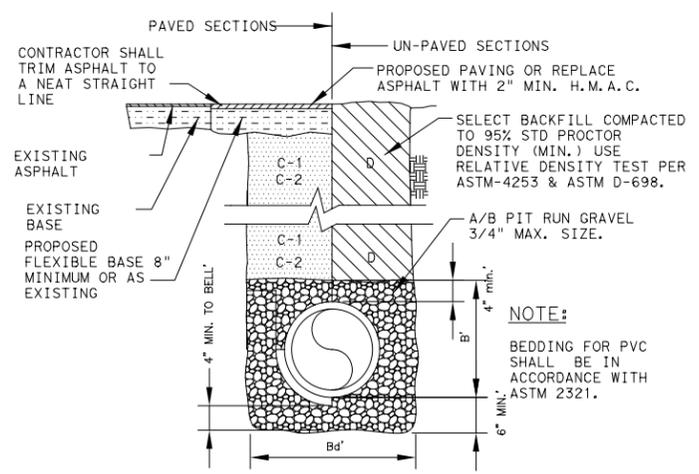
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Date: \_\_\_\_\_ Title: \_\_\_\_\_

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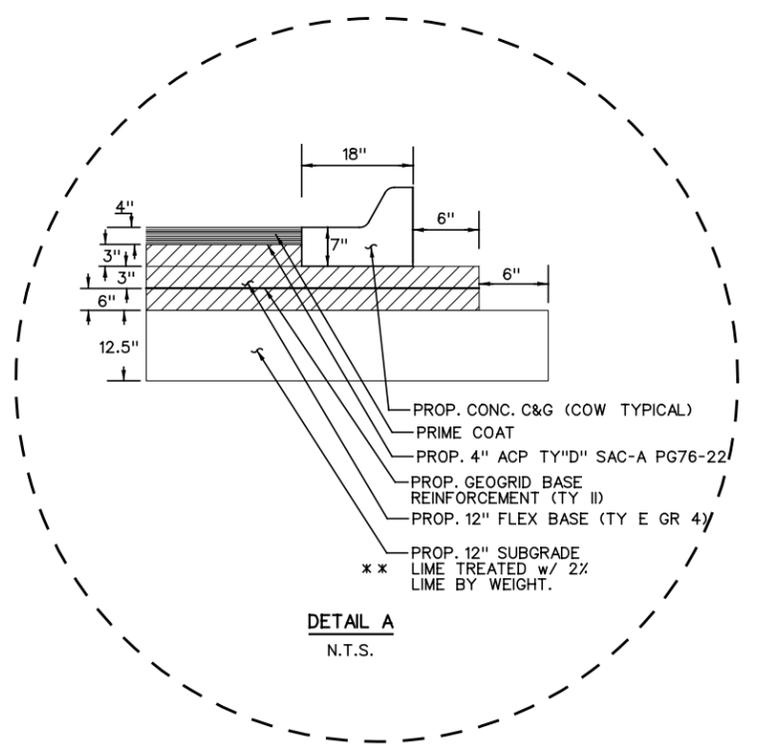
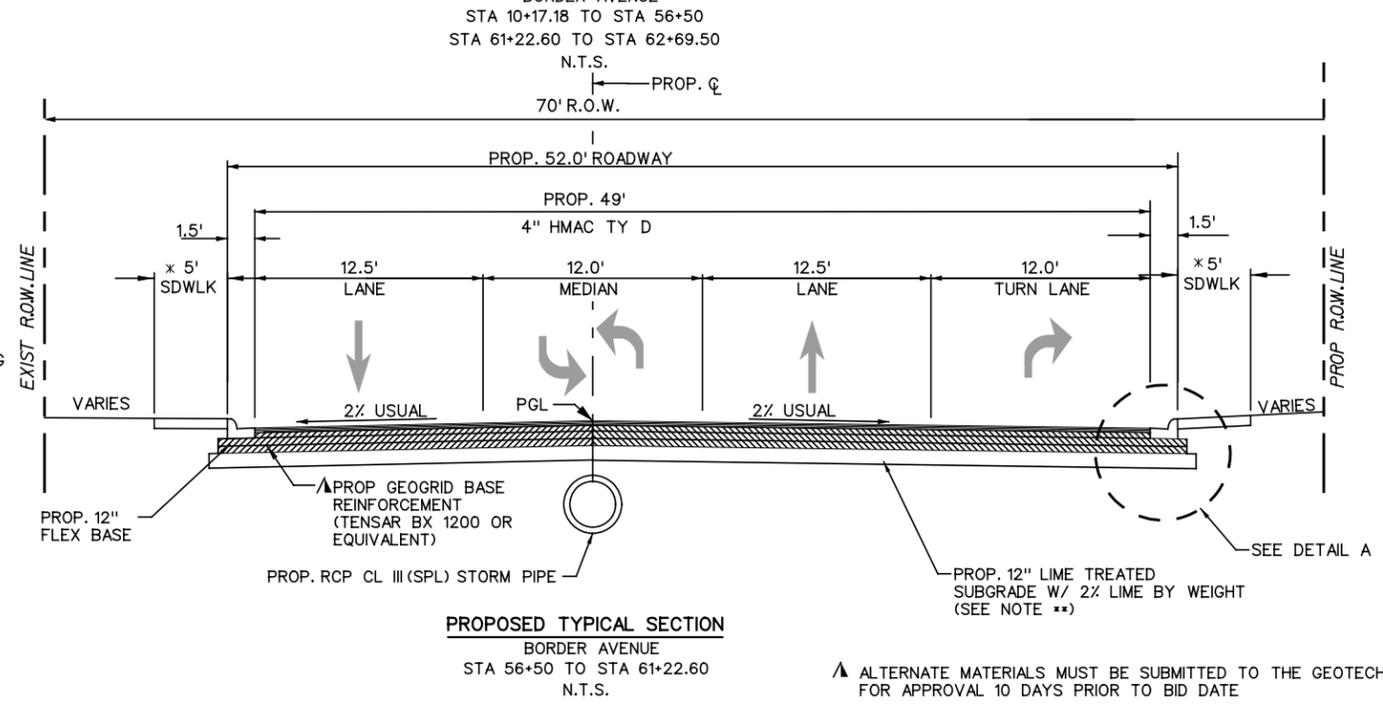
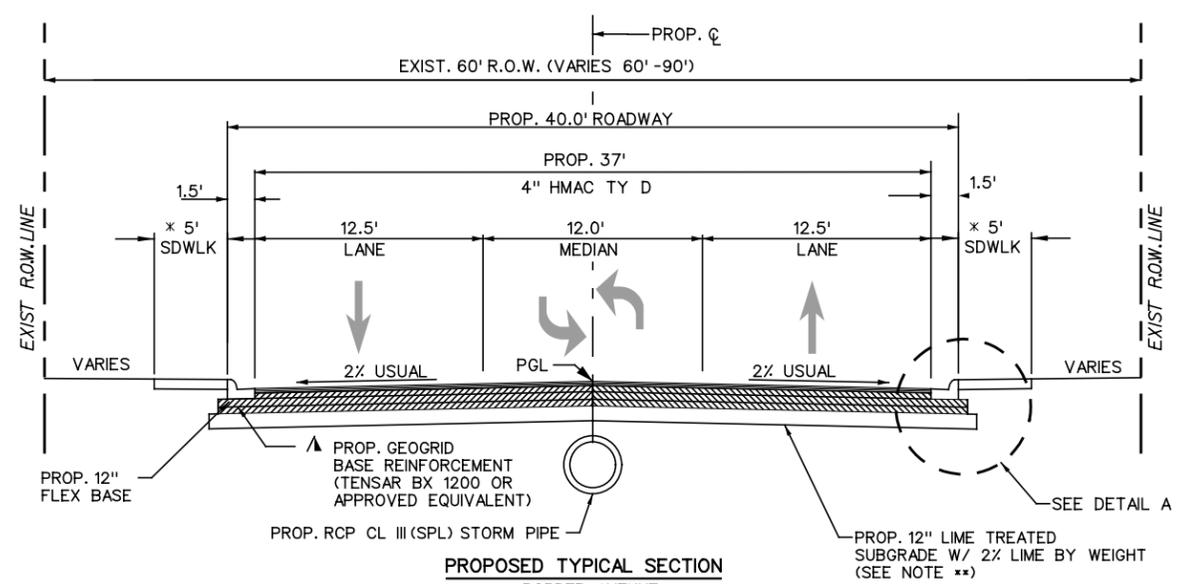
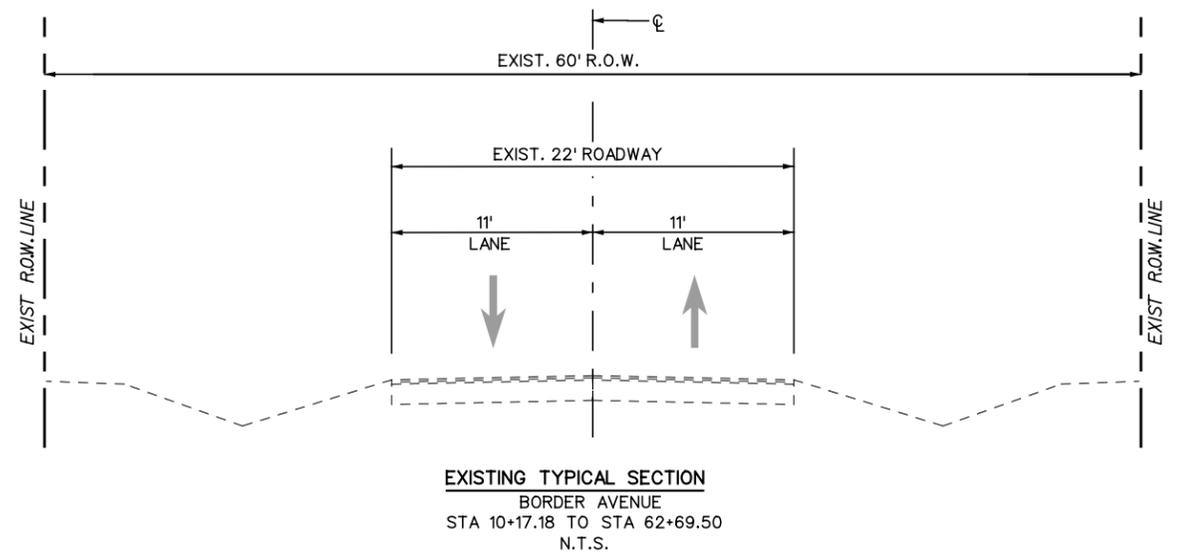
Date and Time Plotted: 2/24/2015 4:28:35 PM



- NOTE:**  
BEDDING FOR PVC SHALL BE IN ACCORDANCE WITH ASTM 2321.
- A. GRAVEL BEDDING PLACED BEFORE PIPE IS LAID UP TO FLOW-LINE OF PIPE (MIN. THICKNESS = 6") PIT RUN GRAVEL 3/4" MAX. SIZE.
  - B. GRAVEL PLACED AFTER PIPE IS LAID FROM BOTTOM OF PIPE TO 4" ABOVE THE TOP OF PIPE. PIT RUN GRAVEL 3/4" MAX. SIZE.
  - C. TRENCH WIDTHS SHALL BE PIPE BELL O.D. + 12" OR IN ACCORDANCE WITH ASTM 2321 FOR PVC PIPE, C-1. (CITY STREETS, PARKING AREA, DRIVEWAYS) SELECTED EXCAVATED BACK FILL COMPACTED TO 95% STD. PROCTOR DENSITY, 8" LIFTS, MECHANICAL COMPACTION C-2. (STATE MAINTAINED ROADWAYS) COMPACTED SAND/CEMENT STABILIZED BACK FILL WITH 7% PORTLAND CEMENT COMPACTED AS PER ASTM D-4253 AND ASTM D-698.
  - D. SELECT EARTH BACK FILL COMPACTED TO 95% STD. PROCTOR DENSITY (12" LIFTS, MECHANICAL COMPACTION) FOUNDATION PREPARATION (WELLPOINTS, GRAVEL OR CEMENT STABILIZATION, OR APPROVED SUBSTITUTE) SHALL BE REQUIRED WHEN TRENCH BOTTOM IS UNSTABLE. BACK FILLING AT STRUCTURES SHALL BE PLACED IN UNIFORM LAYERS, MOISTENED AS REQUIRED TO APPROXIMATE OPTIMUM MOISTURE CONTENT, AND COMPACTED TO 95% STD. PROCTOR DENSITY (USE RELATIVE DENSITY TEST PER ASTM D-4253 & ASTM D-698). THE THICKNESS OF EACH LOOSE LAYER SHALL NOT TO EXCEED 6". STRUCTURE BACK FILL MATERIAL SHALL BE SAND, APPROVED SITE SOIL, OR OTHER APPROVED SUBSTITUTE.

TYPICAL STORM SEWER PIPE BEDDING & BACK FILL DETAIL  
(AS PER CITY OF WESLACO STANDARD)

THE PIPE BEDDING & BACKFILL IS NOT A PAID ITEM SHOULD BE SUBSIDIARY OF SEVERAL ITEMS.



- NOTE:**
- PAVEMENT STRUCTURE AS PER RABA-KISTNER CONSULTANT, INC GEOTECHNICAL ENGINEERING STUDY No AMA08-057-00 BY KATRIN MIOVSKI, P.E. No 95810 DATED MAY 2, 2008.
  - \* THE SIDEWALK CONSTRUCTION SHALL BE PART OF ALTERNATE BID No 1
  - \*\* FROM STA 56+50 TO STA 61+22.50 DUE TO THE PRESENCE OF SULFATES BETWEEN 1,160 TO 5,000 PPM, CONSIDERED SULFATE LEVELS OF MODERATE RISK, IT IS IMPERATIVE TO FOLLOW GOOD MIX DESIGN AND GOOD CONSTRUCTION TECHNIQUES SPECIAL ATTENTION MUST BE GIVEN TO USING EXCESS WATER DURING MIXING, MELLOWING AND CURING. MIXING WATER SHOULD BE AT LEAST 3% TO 5% ABOVE OPTIMUM FOR COMPACTION. LIME SLURRY SHOULD BE USED IN LIEU OF DRY QUICKLIME OR HYDRATED LIME. (FOR DETAIL SEE TECHNICAL MEMORANDUM GUIDELINES FOR STABILIZATION OF SOILS CONTAINING SULFATES, TXDOT)
  - THE USE OF EN-1 TREATMENT FOR THE SUBGRADE IN LIEU OF LIME SHALL BE PART OF ALTERNATE BID No 2.

**PROPOSED TYPICAL SECTION**  
BORDER AVENUE  
STA 56+50 TO STA 61+22.60  
N.T.S.

▲ ALTERNATE MATERIALS MUST BE SUBMITTED TO THE GEOTECHNICAL ENGINEER FOR APPROVAL 10 DAYS PRIOR TO BID DATE

NO.	DATE	REVISION	APP.

ROBERTO FINA CARRAL  
 2/24/2015  
 DATE

**TEDSI INFRASTRUCTURE GROUP**  
 Consulting Engineers  
 1201 E. Expressway 83  
 Mission, Texas 78572  
 (956) 424-7898  
 TBPE F-1640

**BORDER AVE.**

**EXISTING & PROPOSED TYPICAL SECTION**

SHEET 1 OF 1

FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
		6
STATE	DIST.	COUNTY
TEXAS		HIDALGO
CONT.	SECT.	JOB
		HIGHWAY NO.
		BORDER AVE

BASE BID			
SPEC NO.	DESCRIPTION	QTY	UNIT
0100-2002	PREPARING ROW	52.5	STA
0104-2009	REMOVING CONC (RIPRAP)	49.0	SY
0110-2001	EXCAVATION (ROADWAY)	18543	CY
0132-2006	EMBANKMENT (FINAL)(DENS CONT)(TY C)	2428	CY
0164-2023	CELL FBR MLCH SEED(PERM)(RURAL)(CLAY)	15803	SY
0168-2001	VEGETATIVE WATERING	500	MG
0247-2060	FL BS (CMP IN PLC)(TY E GR 4)(FNAL POS)	8517	CY
0260-2011	LIME TRT (EXST MATL) (12")	26133	SY
0260-2016	LIME (HYD, COM, OR QK(SLURRY))	259	TON
0310-2001	PRIME COAT (MC-30)	4604	GAL
3268-2047	D-GR HMA TY-D SAC-A PG76-22	5248	TON
5261-2002	GEOGRID BASE REINFORCEMENT (TY II)	25550	SY
0400-2006	CUT & RESTORING PAV	2945	SY
0402-2001	TRENCH EXCAVATION PROTECTION	4944	LF
0420-2016	CL C CONC (COLLAR)	2	EA
0432-2001	RIPRAP (CONC)(4 IN)	85	CY
0460-2009	CMP (GAL STL 48 IN)	138	LF
0464-2089	RC PIPE (CL III)(18 IN)(SPL)	770	LF
0464-2090	RC PIPE (CL III)(24 IN)(SPL)	1273	LF
0464-2091	RC PIPE (CL III)(30 IN)(SPL)	965	LF
0464-2092	RC PIPE (CL III)(36 IN)(SPL)	1936	LF
0464-2094	RC PIPE (CL III)(48 IN)(SPL)	132	LF
0465-2103	INLET (COMPL)(TY F)	24	EA
0465-2104	INLET EXT	12	EA
0465-2006	MANH (COMPL)(JUNCT BOX)(TY M)	5	EA
0465-2013	MANH (COMPL)(TY A)	16	EA
0479-2001	ADJ MANHS	13	EA
0496-2002	REMOV STR (INLET)	1	EA
0496-2003	REMOV STR (MANHOLE)	3	EA
0502-2001	BARRICADES, SIGNS AND TRAFFIC HANDLING	8	MO
0529-****	CONCRETE CURB & GUTTER (18" COW STD)	10517	LF
0529-****	CONCRETE CURB & GUTTER (2' VALLEY GUTTER COW STD)	565	LF
0530-2010	DRIVEWAYS (CONC)	778	SY
0530-2011	DRIVEWAYS (ACP)	888	SY
0542-2001	REMOVING METAL BEAM GUARD FENCE	25	LF
550-****	ADJUST GATES-VEHICULAR	10	EA
0560-2011	MAILBOX INSTALL-S (TWG-POST) TY 2 FND	27	EA
0560-2013	MAILBOX INSTALL-D (TWG-POST) TY 2 FND	2	EA
0560-2024	MAILBOX INSTALL-M(TWG-POST)TY 2 FND	1	EA
0644-2001	IN SM RD SN SUP&AM TY10BWG(1)SA(P)	28	EA
0644-2025	IN SM RD SN SUP&AM TYS80(1)SA(T)	4	EA
0644-2056	RELOCATE SM RD SN SUP & AM TY 10BWG	5	EA
0644-2060	REMOVE SM RD SN SUP & AM	21	EA
0644-2077	REMOVE SM RD SN SUP & AM (SIGN ONLY)	6	EA
0666-2006	REFL PAV MRK TY   (W) 4" (DOT)(100MIL)	40	LF
0666-2036	REFL PAV MRK TY   (W) 8" (SLD)(100MIL)	481	LF
0666-2048	REFL PAV MRK TY   (W) 24"(SLD)(100MIL)	301	LF
0666-2054	REFL PAV MRK TY   (W) (ARROW) (100MIL)	32	EA
0666-2096	REFL PAV MRK TY   (W) (WORD) (100MIL)	4	EA
0666-2105	REFL PAV MRK TY   (Y) 4" (BRK)(100MIL)	2220	LF
0666-2111	REFL PAV MRK TY   (Y) 4" (SLD)(100MIL)	9337	LF
0672-2012	REFL PAV MRKR TY I-C	27	EA
0672-2015	REFL PAV MRKR TY II-A-A	256	EA
1122-2002	ROCK FILTER DAMS (INSTALL) (TY 2)	80	LF
1122-2009	ROCK FILTER DAMS (REMOVE)	80	LF
1122-2017	CONSTRUCTION EXITS (INSTALL) (TY 2)	156	SY
1122-2019	CONSTRUCTION EXITS (REMOVE)	156	SY
1122-2048	BIOGRD EROSN CONT LOGS (12" DIA)INSTALL	1632	LF
1122-2056	BIODEGRADBLE EROSION CONTROL LOGS REMOV	1632	LF
1122-2037	TEMPORARY SEDIMENT CONTROL FENCE INSTLL	3105	LF
	ADJUST WATER MAIN	1	LS

ALTERNATE BID No 1 (SIDEWALKS)			
SPEC NO.	DESCRIPTION	QTY	UNIT
0531-2003	CONC SIDEWALKS (5') (6")	11216	LF
0531-2040	CURB RAMPS (TY 5)	16	EA
0531-2041	CURB RAMPS (TY 10)	6	EA

ALTERNATE BID No 2 (EN-1 ROADBOND TREATED SUBGRADE)			
SPEC NO.	DESCRIPTION	QTY	UNIT
3000	EN-1 ROADBOND (0.01125 GAL/SY)	294	GAL
3000	EN-1 TRT (MIX EXST MATL& NEW BASE)(DC)(12")	26133	SY
0260-2011	LIME TRT (EXST MATL) (12")	-26133	SY
0260-2016	LIME (HYD, COM, OR QK(SLURRY))	-259	TON

NOTES:

TXDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION GOVERNS ALL WORKS TO BE DONE AND BID ITEMS.

← ADDENDUM No 1 REMOVE STR (MANHOLE) ADDED

NO.	DATE	REVISION	APP.



**TEDSI INFRASTRUCTURE GROUP**  
 Consulting Engineers  
 1201 E. Expressway 83  
 Mission, Texas 78572  
 (956) 424-7898

**BORDER AVE.**

## SUMMARY TABLES OF ESTIMATED QUANTITIES

SHEET 1 OF 2

FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
		9
STATE	DIST.	COUNTY
TEXAS		HIDALGO
CONT.	SECT.	JOB
		HIGHWAY NO.
		BORDER AVE

Date and Time Plotted: 2/24/2015 3:38:38 PM

ROADWAY SUMMARY																					
ITEM CODE	100 2002	104 2009	110 2001	132 2006	247 2060	260 2011	260 2016	310 2001	3268 2047	432 2001	529 ****	529 ****	530 2010	530 2011	542 2001	550 ****	560 2011	560 2013	560 2013	5261 2002	XXXX
DESCRIPTION	PREP ROW	REMOVING CONC (RIPRAP)	EXCAVATION (RDWY)	EMBANKMENT (FINAL)(DENS CONT)(TY C)	FL BS (CMP IN PLC)(TY E GR 4)(FNAL POS)	LIME TR (EXST MATL) (12")	LIME (HYD, COM, OR QK (SLURRY))	PRIME COAT(MC-30)	D-GR HMA TY-D SAC-A PG76-22	RIPRAP (CONC)(4 IN)	CONC CURB & GUTTER (18" COW STD)	CONC CURB & GUTTER(2' VALLEY GUTTER COW STD)	DRIVEWAYS (CONC)	DRIVEWAYS (ACP)	REMOVING MTL BEAM GD FEN	ADJ GATES-VEHICULAR	MAILBOX INSTALL (SINGLE)	MAILBOX INSTALL (DOUBLE)	MAILBOX INSTALL (MULT)	GEOGRID BASE REINFORCEMENT (TY II)	ADJUST WATER MAIN
UNIT	STA	SY	CY	CY	CY	SY	TON	GAL	TON	CY	LF	LF	SY	SY	LF	EA	EA	EA	EA	SY	LS
PROJECT TOTAL	52.5	49	18543	2428	8517	26133	259	4604	5248	85	10517	565	778	888	25	10	27	2	1	25550	1

DRAINAGE SUMMARY														
ITEM CODE	400 2001	402 2001	460 2009	464 2089	464 2090	464 2091	464 2092	464 2094	465 2103	465 2104	465 2006	465 2013	479 2001	420 2016
DESCRIPTION	STRUCT EXCAV (**)	TRENCH EXCAV PROTECTION	CMP (GAL STL 48")	RC PIPE (CL III)(18 IN) (SPL)	RC PIPE (CL III)(24 IN) (SPL)	RC PIPE (CL III)(30 IN) (SPL)	RC PIPE (CL III)(36 IN) (SPL)	RC PIPE (CL III)(48 IN) (SPL)	INLET (COMPL) (TY F)	INLET EXT	MANH (COMPL)(JUNCT BOX)(TY M)	MANH (STD PRECAST)	ADJ MANHS	CL C CONC (COLLAR)
UNIT	(CY)	(LF)	(LF)	(LF)	(LF)	(LF)	(LF)	(LF)	(EA)	(EA)	(EA)	(EA)	(EA)	(EA)
PROJECT TOTAL	7695	3859	138	770	1273	965	1936	132	24	12	5	16	13	2

(\*\*) CONTRACTOR INFORMATION ONLY

SIGN SUMMARY					
ITEM CODE	644 2001	644 2025	644 2056	644 2077	644 2060
DESCRIPTION	IN SM RD SN SUP&AM TY 10BWG(1) SA(P)	IN SM RD SN SUP&AM TY 10BWG(1) SA(T)	RELOCAT E SM RD SN SUP&AM TY 10BWG	RELOCAT E SM RD SN SUP&AM (SIGN ONLY)	REMOVE SM RD SN SUP&AM
UNIT	EA	EA	EA	EA	EA
BEG PROJECT TO STA 20+00	9	0	3	1	6
STA 20+00 - STA 30+00	6	0	2	3	4
STA 30+00 - STA 40+00	4	0	0	2	2
STA 40+00 - STA 50+00	2	4	0	0	6
STA 50+00 - STA 60+00	3	0	0	0	1
STA 60+00 TO END PROJECT	4	0	0	0	2
PROJECT TOTAL	28	4	5	6	21

TCP - SW3P SUMMARY													
ITEM CODE	164 2023	166 2002	168 2001	400 2006	502 2001	1122 2002	1122 2009	1122 2017	1122 2019	1122 2048	1122 2056	1122 2037	1122 2057
DESCRIPTION	CELL FBR MLCH SEED(PERM) (RURAL) (CLAY)	FERTILIZER (**)	VEGETATIVE WATERING	CUT & RESTORING PAV.	BARRICADES , SIGNS AND TRAFFIC HANDLING	ROCK FILTER DAMS (INSTALL) (TY 2)	ROCK FILTER DAMS (REMOVE)	CONSTRUCTION EXITS (INSTALL) (TY 2)	CONSTRUCTION EXITS (REMOVE)	BIOGRD EROSN CONT LOGS (12" DIA) (INSTALL)	BIOGRD EROSN CONT LOGS (REMOVE)	TEMPORARY SEDIMENT CONTROL FENCE (INSTLL)	TEMPORARY SEDIMENT CONTROL FENCE (REMOVE)
UNIT	SY	TON	(MG)	(SY)	(MO)	(LF)	(LF)	SY	SY	(LF)	(LF)	LF	LF
PROJECT TOTAL	15803	0.2	500	2945	8	80	80	156	156	1632	1632	3105	3105

(\*\*) CONTRACTOR INFORMATION ONLY NOT PAID ITEM  
 CONSTRUCTION EXIT MIN AREA = 78 SY, LOCATIONS ARE APPROXIMATE AND MAY BE MODIFIED IN THE FIELD AS APPROVED BY ENGINEER  
 FOR CONTRACTOR INFORMATION ONLY, FERTILIZER QUANTITIES (TON) ARE BASED ON A RATE OF 100 LBS OF NITROGEN PER ACRE NPK 10-5-5  
 VEGETATIVE WATERING (MG) 3394 GAL \* ACRE \* 45 CYCLES / 1000

LOG MAX LENGTH = 30 FEET  
 STD LENGTH = 10 FEET

PAVEMENT MARKINGS SUMMARY									
ITEM CODE	666 2006	666 2036	666 2105	666 2111	666 2048	666 2054	666 2054	672 2012	672 2015
DESCRIPTION	REFL PAV MRK TY I (W) 4" (DOT)(100 MIL)	REFL PAV MRK TY I (W) 8" (SLD)(100 MIL)	REFL PAV MRK TY I (Y) 4" (BRK)(100 MIL)	REFL PAV MRK TY I (Y) 4" (SLD)(100 MIL)	PREFAB PAV MRK TY C (W) 24"(SLD)	PREFAB PAV MRK TY I (W) (ARROW)	PREFAB PAV MRK TY I (W) (WORD)	REFL PAV MRKR TY I-C	REFL PAV MRKR TY II-A-A
UNIT	LF	LF	LF	LF	LF	EA	EA	EA	EA
BEG PROJECT TO STA 20+00	40	80	380	1778	90	7	1	5	56
STA 20+00 - STA 30+00	0	0	380	1465	99	6	0	0	38
STA 30+00 - STA 40+00	0	0	440	1714	46	8	0	0	42
STA 40+00 - STA 50+00	0	0	480	1868	38	4	0	0	48
STA 50+00 - STA 60+00	0	253	500	2000	0	5	2	13	50
STA 60+00 TO END PROJECT	0	148	40	512	28	2	1	9	22
PROJECT TOTAL	40	481	2220	9337	301	32	4	27	256

REMOVAL SUMMARY					
ITEM CODE	496 2002	496 2002	496 2004	496 2006	496 2016
DESCRIPTION	REMOVE STR (INLET)	REMOVE STR (MANHOLE)	REMOVE STR (SET)	REMOVE STR (HEADWALL)	REMOVE STR (PIPE)
UNIT	(EA)	(EA)	(EA)	(EA)	(EA)
PROJECT TOTAL	1	3	11	2	34

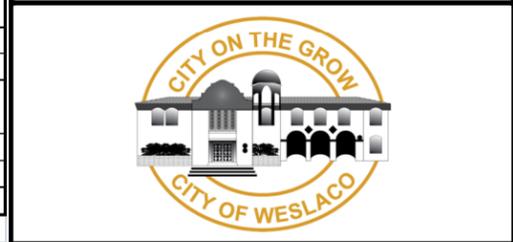
(\*\*\*) FOR CONTRACTOR INFORMATION ONLY  
 ALL REMOVAL ITEMS SHALL BE SUBSIDIARY OF ITEM 100-2002 PREPARATION  
 OF R.O.W. UNLESS SPECIFIED ON PLANS.

ALTERNATE BID No 1 SUMMARY			
ITEM CODE	531 2003	531 2040	531 2041
DESCRIPTION	CONCRETE SIDEWALK (5') (6")	CURBS RAMPS (TY 5)	CURBS RAMPS (TY 10)
UNIT	(LF)	(EA)	(EA)
PROJECT TOTAL	11216	16	6

ALTERNATE BID No 2 SUMMARY				
ITEM CODE	3000	3000	260 2011	260 2016
DESCRIPTION	EN-1 ROADBOND (0.01125 GAL/SY)	EN-1 TRT (MIX EXST MATL & NEW BASE) (DC) (12")	LIME TR (EXST MATL) (12")	LIME (HYD, COM, OR QK (SLURRY))
UNIT	(GAL)	(SY)	SY	TON
PROJECT TOTAL	294	26133	-26133	-259

EN-1 USE TO TREAT SUBGRADE

NO.	DATE	REVISION	APP.



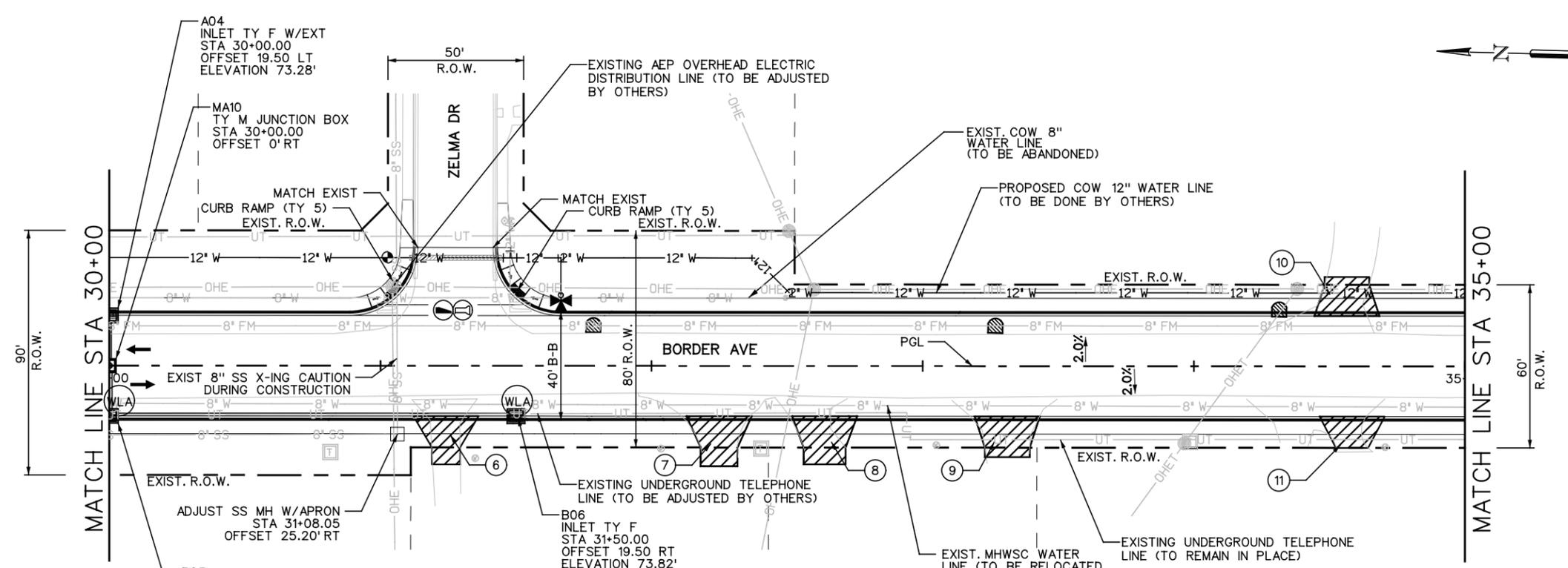
**TEDSI INFRASTRUCTURE GROUP**  
 Consulting Engineers  
 1201 E. Expressway 83  
 Mission, Texas 78572  
 (956) 424-7898

**BORDER AVE.**

**SUMMARY TABLES OF ESTIMATED QUANTITIES**

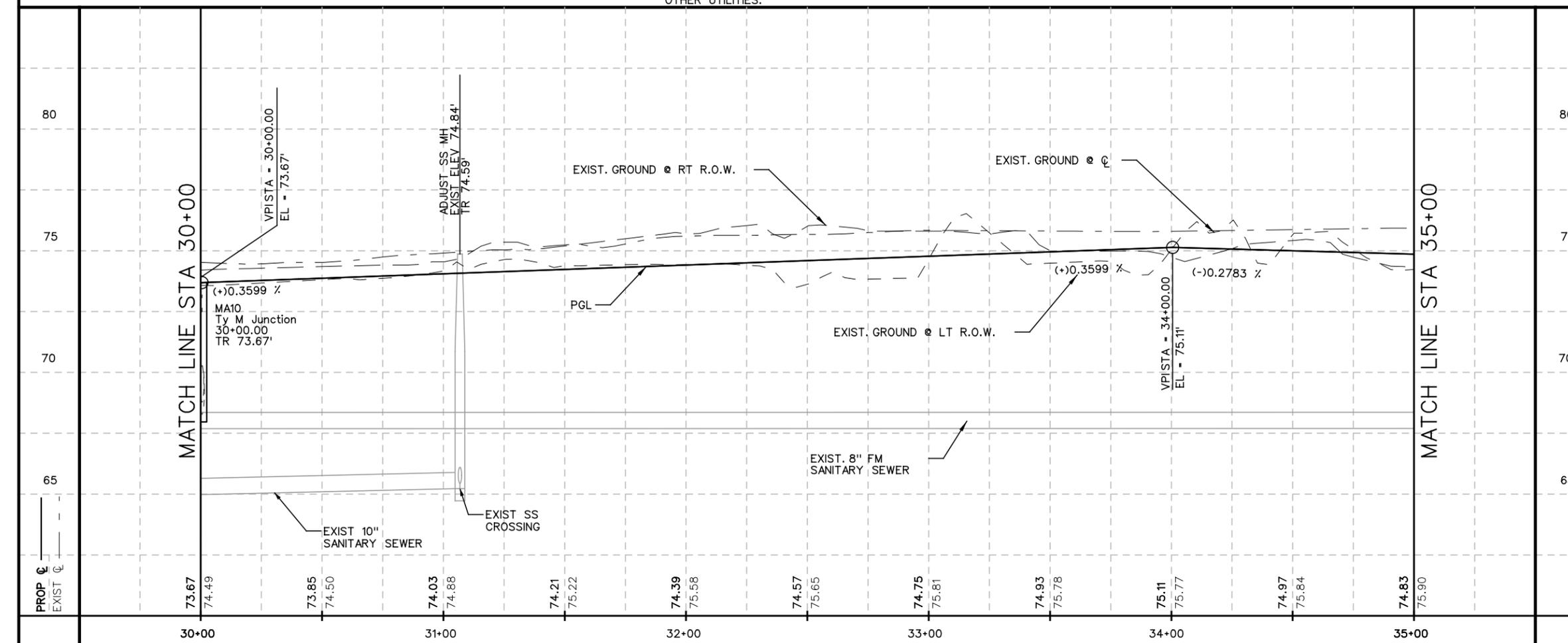
FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
		10
STATE	DIST.	COUNTY
TEXAS		HIDALGO
CONT.	SECT.	JOB
		HIGHWAY NO.
		BORDER AVE

Date and Time Plotted: 2/24/2015 4:28:18 PM



- LEGEND**
- EXISTING R.O.W.
  - - - PROPOSED R.O.W.
  - ▨ PROPOSED DRIVEWAY
  - # W— EXIST. # (DIAM INCH) WATER LINE
  - # FM— EXIST. # (DIAM INCH) COW FORCE MAIN SANITARY SEWER LINE
  - # SS— EXIST. # (DIAM INCH) COW SANITARY SEWER LINE
  - # G— EXIST. # (DIAM INCH) TGS GAS PIPELINE
  - UFO— EXIST. UNDERGROUND FIBER OPTIC CABLE
  - UT— EXIST. UNDERGROUND CABLE/TELEPHONE LINE
  - OHE— EXIST. AEP OVERHEAD ELECTRIC LINE
  - HVTL— EXIST. AEP HIGH VOLTAGE TRANSMISSION LINE
  - UE— EXIST. UNDERGROUND ELECTRIC LINE
  - OHEC— EXIST. AEP OVERHEAD ELECTRIC LINE WITH CABLE LINE ATTACHED
  - OHEFC— EXIST. AEP OVERHEAD ELECTRIC LINE WITH FIBER OPTIC AND CABLE LINE ATTACHED
  - ⊕ DRIVEWAY NUMBER
  - ⊗ EXISTING MAILBOX TO BE REPLACED
  - ⊖ TOP OF RIM
  - ⊘ REMOVE CONCRETE PIPE
  - ⊙ REMOVE SAFETY END TREATMENT(S)
  - ⊚ ADJUST EXISTING GATE
  - WLA WATER LINE ADJUSTMENT (IF NECESSARY SEE DETAIL SHEET 55)
  - ∇ PROPOSED CURB RAMP TYPE 5

- NOTES:**
- EXISTING ABOVE GROUND UTILITIES AND TOPOGRAPHY HAVE BEEN PLOTTED BY DIRECT FIELD INFORMATION, AND AS SPOTTED BY UTILITY LOCATE REQUEST. THE CONTRACTOR WILL BE RESPONSIBLE FOR ESTABLISHING THEIR EXACT LOCATION, DEPTH, AND SIZE. THE CONTRACTOR WILL ALSO BE RESPONSIBLE FOR THE REPLACEMENT OR REPAIR OF ALL CUT OR BROKEN WATER LINES, IRRIGATION LINES, FORCE MAINS, SPRINKLER SYSTEMS, GAS LINES, POWER LINES, TELEPHONE CABLES, AND/OR ANY OTHER UTILITIES.
  - CONTRACTOR SHALL DEVELOP AND IMPLEMENT A TRENCH SAFETY PROGRAM IN ACCORDANCE WITH OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.
  - FOR LANE CONFIGURATION SEE TYPICAL SECTION SHEET \* 6
  - FOR DRIVEWAYS PENETRATION SEE SHEET \* 44



NO.	DATE	REVISION	APP.



*Roberto Fina Carral*  
 ROBERTO FINA CARRAL  
 2/24/2015  
 DATE



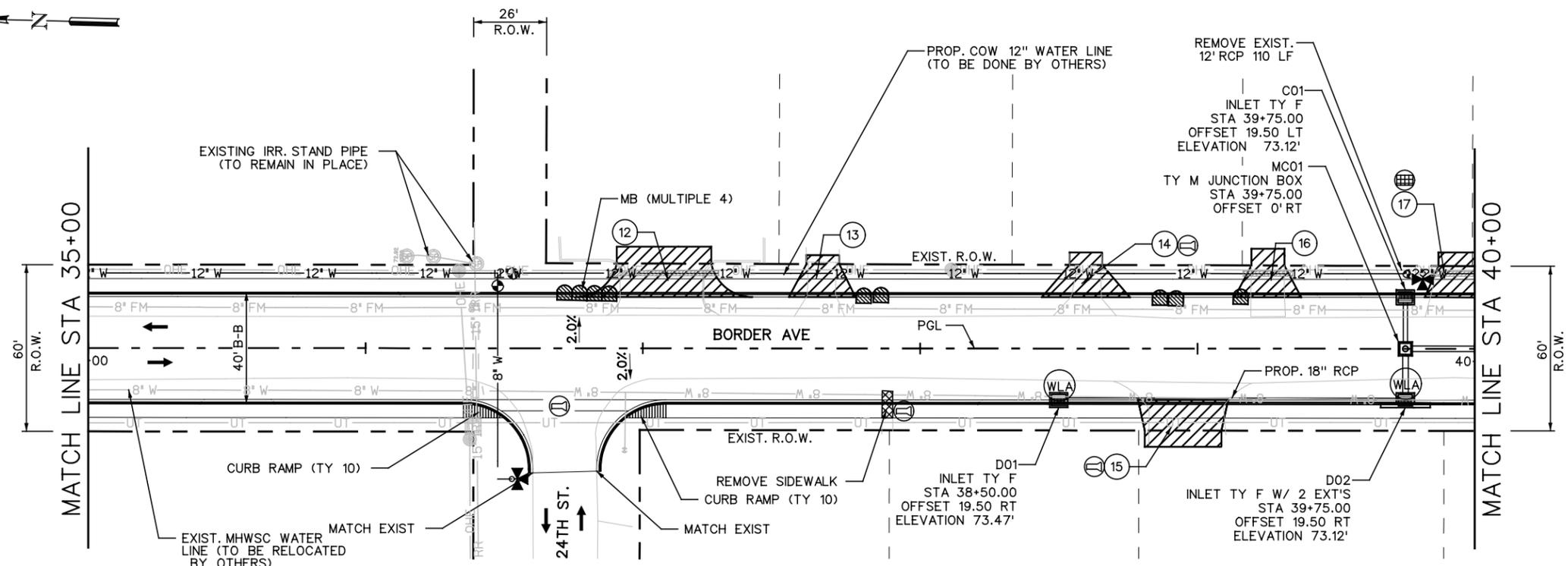
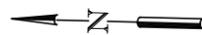
**TEDSI INFRASTRUCTURE GROUP**  
 Consulting Engineers  
 1201 E. Expressway 83  
 Mission, Texas 78572  
 (936) 424-7898

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**PLAN & PROFILE SHEET**

SCALE :1"=50'-H  
 1"=5'-V SHEET 5 OF 11

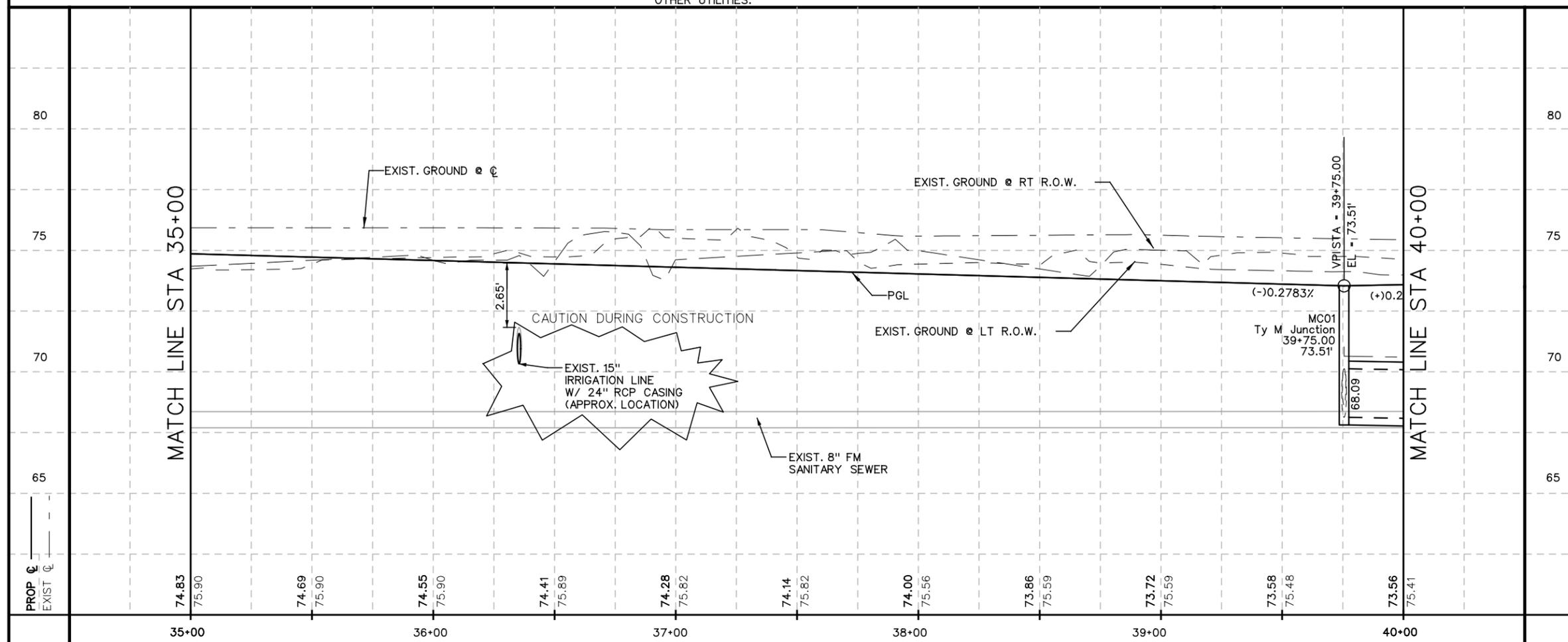
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		30
STATE	DIST.	COUNTY
TEXAS		HIDALGO
CONT.	SECT.	JOB
		HIGHWAY NO.
		BORDER AVE

Date and Time Plotted: 2/24/2015 4:28:20 PM



- LEGEND**
- EXISTING R.O.W.
  - - - PROPOSED R.O.W.
  - PROPOSED DRIVEWAY
  - # W --- EXIST. # (DIAM INCH) WATER LINE
  - # FM --- EXIST. # (DIAM INCH) COW FORCE MAIN SANITARY SEWER LINE
  - # SS --- EXIST. # (DIAM INCH) COW SANITARY SEWER LINE
  - # G --- EXIST. # (DIAM INCH) TGS GAS PIPELINE
  - UFO --- EXIST. UNDERGROUND FIBER OPTIC CABLE
  - UT --- EXIST. UNDERGROUND CABLE/TELEPHONE LINE
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  - DRIVEWAY NUMBER
  - EXISTING MAILBOX TO BE REPLACED
  - TOP OF RIM
  - REMOVE CONCRETE PIPE
  - REMOVE SAFETY END TREATMENT(S)
  - ADJUST EXISTING GATE
  - WATER LINE ADJUSTMENT (IF NECESSARY SEE DETAIL SHEET 55)
  - PROPOSED CURB RAMP TYPE 5

- NOTES:**
- EXISTING ABOVE GROUND UTILITIES AND TOPOGRAPHY HAVE BEEN PLOTTED BY DIRECT FIELD INFORMATION, AND AS SPOTTED BY UTILITY LOCATE REQUEST. THE CONTRACTOR WILL BE RESPONSIBLE FOR ESTABLISHING THEIR EXACT LOCATION, DEPTH, AND SIZE. THE CONTRACTOR WILL ALSO BE RESPONSIBLE FOR THE REPLACEMENT OR REPAIR OF ALL CUT OR BROKEN WATER LINES, IRRIGATION LINES, FORCE MAINS, SPRINKLER SYSTEMS, GAS LINES, POWER LINES, TELEPHONE CABLES, AND/OR ANY OTHER UTILITIES.
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  - FOR LANE CONFIGURATION SEE TYPICAL SECTION SHEET \* 6
  - FOR DRIVEWAYS PENETRATION SEE SHEET \* 44



NO.	DATE	REVISION	APP.



*Roberto Fina Carral*  
 ROBERTO FINA CARRAL DATE 2/24/2015



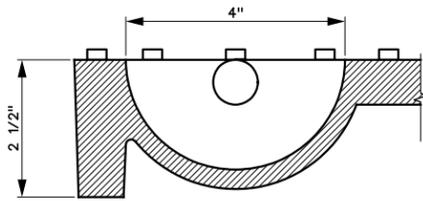
**TEDSI INFRASTRUCTURE GROUP**  
 Consulting Engineers  
 1201 E. Expressway 83  
 Mission, Texas 78572  
 (936) 424-7898

**BORDER AVE.**  
**PLAN & PROFILE SHEET**

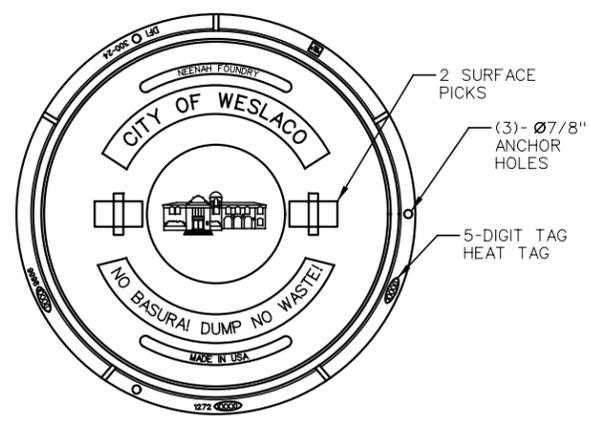
SCALE :1"=50'-H  
 1"=5'-V SHEET 6 OF 11

FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
		31
STATE	DIST.	COUNTY
TEXAS		HIDALGO
CONT.	SECT.	JOB
		HIGHWAY NO.
		BORDER AVE

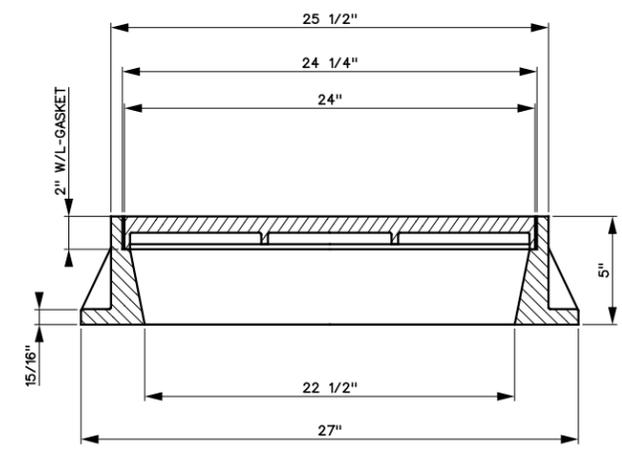
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- NOTE:**
- RIM FRAME AND COVER SHALL BE NEENAH FOUNDRY OR APPROVED EQUAL
  - CITY OF WESLACO SHALL APPROVE FINAL RIM
- \*MANHOLE FRAME AND COVER SHALL BE SUBSIDIARY TO MANHOLE



**CITY OF WESLACO FRAME & COVER**  
N.T.S.



COMPONENT NOS.: FRAME 1272-0100, COVER 1272-XXXX  
 MATERIAL: CAST GREY IRON ASTM A-48, CLASS 35B  
 FINISH: NO PAINT UNLESS SPECIFIED ON PURCHASE ORDER  
 FURNISHED WITH A L-GASKET IN THE FRAME  
 WEIGHT: FRAME 166 \*, COVER 133 \*

**GENERAL NOTES**

UNLESS OTHERWISE SHOWN IN THE PLANS. PAYMENT WILL BE MADE FOR EACH MANHOLE OF THE TYPE M.  
 EXPOSED EDGES SHALL BE CHAMFERED 3/4".  
 ALTERNATE DESIGN DRAWINGS BEARING THE SEAL OF A REGISTERED PROFESSIONAL ENGINEER WILL BE ACCEPTABLE FOR PRECAST CONSTRUCTION OF MANHOLES. SHOP DRAWINGS WILL NOT BE REQUIRED.

ALL MANHOLES LOCATED ON PAVED SURFACES WILL BE CONSTRUCTED WITH A COVER OF THE TYPE THAT WILL ENABLE IT TO BE BOLTED TO THE RING.

THE CONTRACTOR MAY WITH THE APPROVAL OF THE ENGINEER FURNISH MANHOLES OF EQUIVALENT STRUCTURAL DESIGN.

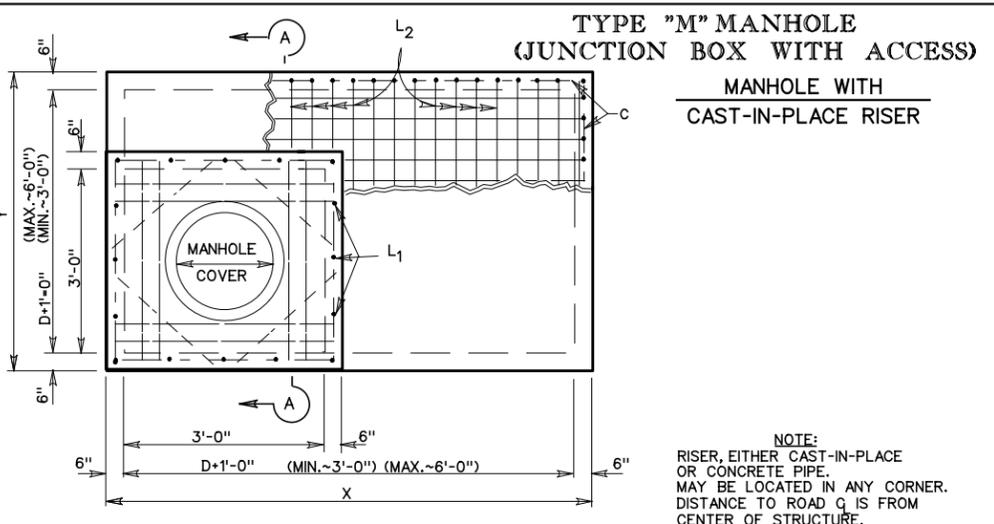
IN AREAS OF CONFLICT BETWEEN REINFORCING STEEL. BLOCK-OUTS, PIPES, ANCHOR BOLTS OR OTHER REINFORCING STEEL. THE REINFORCEMENT SHALL BE BENT OR ADJUSTED TO CLEAR AS DIRECTED BY THE ENGINEER.

THE RISER MAY BE CONSTRUCTED OF REINFORCED CONCRETE AS SHOWN OR OF REINFORCED CONCRETE PIPE, CLASS III, IN ACCORDANCE WITH ASTM DESIGNATION C-76. IF PIPE IS USED, JOINTS SHALL CONFORM TO THE ITEM "REINFORCED CONCRETE PIPE CULVERTS". PRECAST CONCRETE LIFT OFF COVER MAY BE SUBSTITUTED FOR "RING AND COVER".

CONNECTING PIPES SHOULD WITHIN 10 DEG. OF NORMAL TO INLET GRADE IF NECESSARY. PIPE ELBOW OR CURBED APPROACH ALIGNMENT SHOULD BE USED TO STAY WITHIN THIS LIMIT.

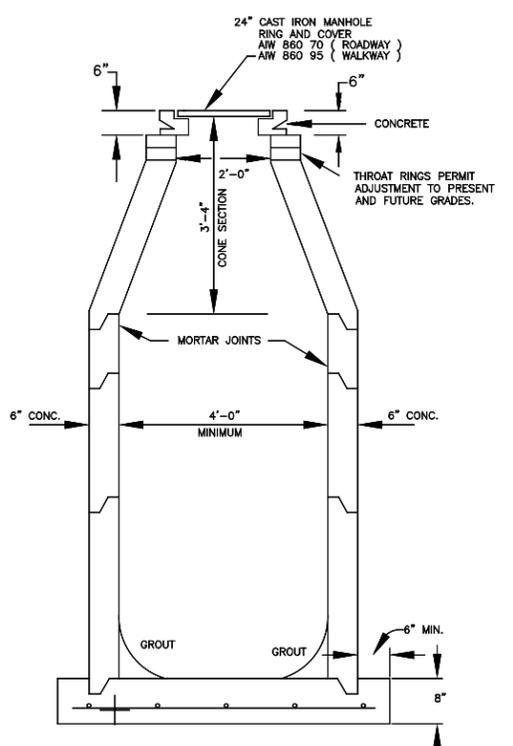
PIPES MAY ENTER ALL WALLS. THE MAXIMUM LENGTH OF PIPE THAT CAN BE ACCOMMODATED IS 60". MORE THAN ONE PIPE MAY ENTER A SIDE SUBJECT TO THE MAXIMUM BOX DIMENSIONS SHOWN. THE CLEAR DISTANCE BETWEEN ADJACENT PIPES SHOULD BE 9" MINIMUM.

MANHOLE COVERS SHALL BE EAST JORDAN IRON WORKS CITY OF WESLACO COVER OR EQUIVALENT. ALL MANHOLE COVERS ARE SUBJECT TO FINAL APPROVAL BY THE CITY OF WESLACO OR ITS DESIGNATED REPRESENTATIVE.



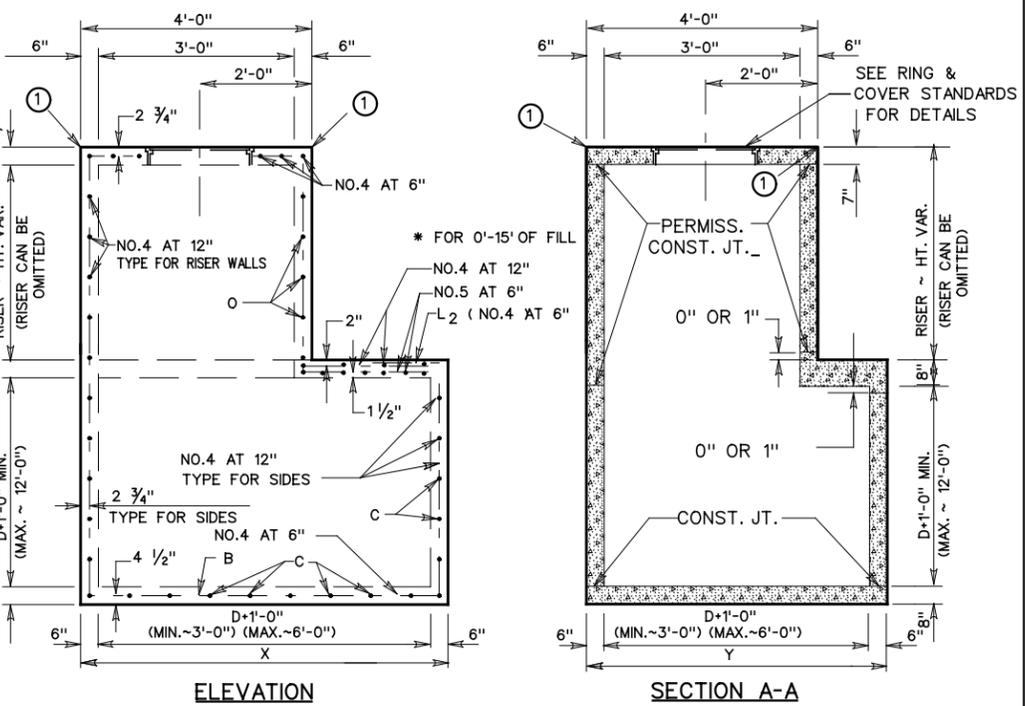
**TYPE "M" MANHOLE (JUNCTION BOX WITH ACCESS)**  
**MANHOLE WITH CAST-IN-PLACE RISER**

**NOTE:**  
 RISER, EITHER CAST-IN-PLACE OR CONCRETE PIPE, MAY BE LOCATED IN ANY CORNER. DISTANCE TO ROAD G IS FROM CENTER OF STRUCTURE.



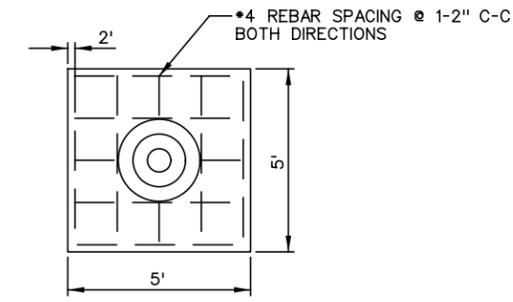
**STORM SEWER STANDARD PRECAST MANHOLE**

- NOTES:**
- SEGMENTAL BLOCK SECTION & PRECAST SECTION MAY BE ALTERNATED.
  - PRE-CAST SECTIONS MAY BE PLACED IN ANY ORDER
  - FOOTING TO BE POURED ON UNDISTURBED SOIL & TO BE UNIFORM IN THICKNESS.
  - 1/2" OF MORTAR TO BE PLACED ON INSIDE AND OUTSIDE OF SEGMENTAL BLOCK MANHOLE
  - TWO COATS OF INERTOL REQUIRED ON ALL SURFACES. ONE TO BE APPLIED PRIOR TO FINAL INSPECTION TO INSURE COATING OF MORTAR.
  - THROAT RINGS SHALL BE REINFORCED CONCRETE H20 RATING.
  - CONCRETE TO HAVE A MINIMUM 28 DAYS COMPRESSIVE STRENGTH OF 3,000 P.S.I.

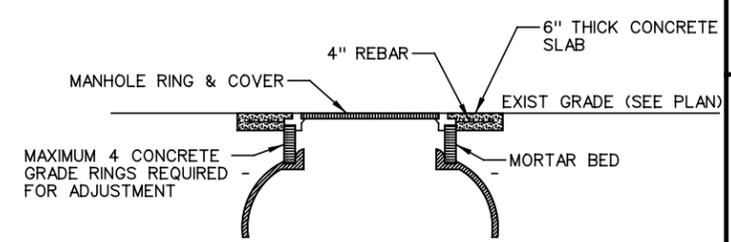


**ELEVATION**

**SECTION A-A**



**PLAN VIEW CONCRETE APRON**  
 (SUBSIDIARY TO ITEM 479 "ADJUST MANHOLE")  
 ITEM TO BE SUBSIDIED TO MANHOLE AND MANHOLE ADJUSTED



**SECTION A-A CONCRETE APRON**

CONTRACTOR TO SAW CUT PAVEMENT TO PLACE CONCRETE AFTER FINAL LIFT OF ASPHALT IS PLACED

PLACEMENT OF TY D AROUND MANHOLE TO PROVIDE A SMOOTH TRANSITION FROM FIRST LIFT TO TOP OF MANHOLE PRIOR TO SECOND LIFT OF TY D AS APPROVED BY THE ENGINEER SUBSIDIARY TO ADJUST MANHOLE

① EDGE OF TY "M" MANHOLE TO MATCH PAVEMENT ELEVATION

NO.	DATE	REVISION	APP.

**ROBERTO FINA CARRAL**  
DATE: 2/24/2015

**TEDSI INFRASTRUCTURE GROUP**  
Consulting Engineers  
1201 E. Expressway 83  
Mission, Texas 78572  
(936) 424-7898

**BORDER AVE.**

**MISCELLANEOUS CONSTRUCTION DETAILS I**

SHEET 1 OF 1

FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
		57
STATE	DIST.	COUNTY
TEXAS		HIDALGO
CONT.	SECT.	JOB
		HIGHWAY NO.
		BORDER AVE