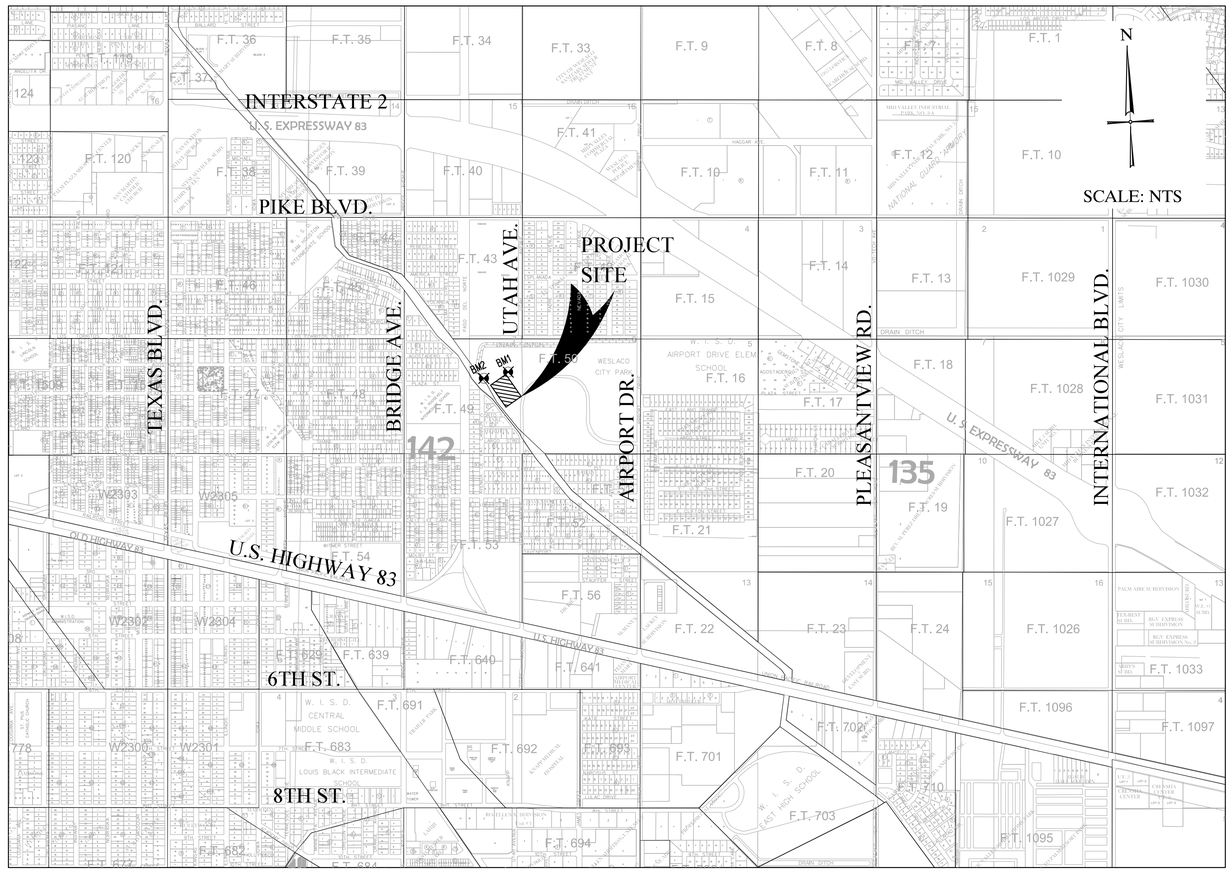
CITY OF WESLACO
PLANNING AND CODE ENFORCEMENT

PARKING LOT @ MAYOR PABLO G. PEÑA CITY PARK
(CONSTRUCTION PLANS FOR PROPOSED PARKING LOT)
WESLACO, TEXAS



CITY OFFICIALS

DAVID SUAREZ	MAYOR
OLGA M. NORIEGA	(MAYOR PRO-TEM) DIST. 3
LEO MUÑOZ	DIST. 1
GREG KERR	DIST. 2
GERARDO "JERRY" TAFOLLA	DIST. 4
LETTY LOPEZ	DIST. 5
FIDEL L. PENA III	DIST. 6
MIKE R. PEREZ	CITY MANAGER

SHEET INDEX

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BENCHMARK NOTES:

1. VERTICAL CONTROL POINT VALUES WERE OBTAINED BY REAL TIME KINEMATIC (RTK) GPS SESSIONS AND USING THE TEXAS RTK COOPERATIVE NETWORK. THE VERTICAL VALUES ARE BASED ON THE GEOID 12A ELLIPTICAL MODEL.
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   E = 1155037
   EL = 79.20
   BENCHMARK 2
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   E = 1154833
   EL = 83.79

Texas 811
Know what's below.
Call 811 Before You Dig

City of Weslaco
City Hall Building - 1928
500 South Kansas Weslaco, Texas 78596-6285 (956) 968-3181

STATE OF TEXAS
MARDOQUEO HINOJOSA
107390
LICENSED PROFESSIONAL ENGINEER
4-5-16

GENERAL NOTES:

1. Contractor shall contact the City of Weslaco Planning & Code Enforcement department 48 hours prior to start of any construction within project site.
2. Contractor to notify all utility companies within the construction area 48 hours prior to excavation near the utilities.
3. Contractor to verify location and elevation of existing facilities prior to construction of proposed facilities (no separate pay). Any discrepancies shall be brought to the attention of the City Engineer in writing prior to commencement of construction. Any damage to existing facilities incurred as a result of this construction operation will be repaired by the contractor at his own expense.
4. Maintain a minimum of 6 inches clearance between all utilities, unless otherwise noted.
5. Contractor to obtain all construction permits not supplied by owner at his expense prior to commencement of work.
6. Contractor shall give notice to all authorized inspectors, superintendents, or persons in charge of private and public utilities or railroads affected by his operations prior to commencement of work. Contractor shall assure himself that all construction permits have been obtained prior to commencement of work. Required permits that can only be issued to contractor will be obtained at his expense.
7. Contractor shall be responsible for maintaining adequate drainage at all times during construction of proposed facilities. Natural ground adjacent to utility trench excavation to be cleared and grubbed prior to placement of excess trench material (no additional payment – include in cost of underground utilities construction.)
8. Concrete Notes:
   A. All concrete work to be formed, unless otherwise approved.
   B. All concrete to be 3500-PSI minimum at 28 days, unless otherwise shown. Strength to be determined by cylinder break test.
   C. All reinforcing steel to be ASTM A-615, Grade 60, unless otherwise shown.
   D. All exposed concrete work to be chamfered. Demolition, removal, and disposal of all excess concrete, curbs, rubble, etc. to be done in a legal manner at contractor's expense.
9. Fill to be placed in maximum 6 inch lifts and compacted to a minimum of 98% standard proctor density per ASTM D-698, unless otherwise noted.
10. Contractor is responsible for cleaning mud and/or dirt tracked onto existing streets by his workmen's suppliers, or subcontractor's vehicles. Streets must be cleaned within 2 hours of when the tracking occurs. No separate pay.
11. Retesting of all utilities and acceptance by owner subsequent to the pavement construction will be the utility contractor's responsibility. No separate pay.
12. Contractor is hereby informed that all trenching and shoring will be done in strict accordance with the latest OSHA standards.
13. Where contractor's work and/or equipment cause an obstruction to traffic, contractor shall provide and install traffic control devices in accordance with part VI of the "Texas Manual on Uniform Traffic Control Devices" (Texas MUTCD, most recent edition as revised) during construction. A written traffic control plan shall be submitted prior to construction for review by the City Engineer & other appropriate persons.
14. Location of existing underground utilities and service lines (water, sewer, gas, telephone, electrical, etc.) are determined from available records and are approximate. Contractor to locate lines and/or obstructions ahead of excavation.
15. Any soil borings the contractor requires are to be done by the contractor at his expense.
16. Overhead lines may exist on the property. Clearly visible lines are not marked, and contractor to note their location prior to construction. Texas Law, Section 752, Health & Safety Code, forbids all activities in which persons or objects my come within six (6) feet of live overhead high voltage lines. Contractors are legally responsible for safety of construction workers under this law. This law carries both criminal and civil liability.
17. Any damages to fences, walks or private property shall be repaired by the contractor at the contractor's expense, no separate pay.
18. Contractor to make arrangements with the appropriate utility company for securing poles, if necessary, while construction passes by poles. Costs of securing poles will be paid for by the contractor. No separate pay.
19. Construction staking (alignment and grade) to be provided by the contractor at no separate pay.
20. Surplus excavated material shall be removed and disposed of off-site as directed by the City Engineer. If the City Engineer notifies the contractor that the owner does not have use for this material, the surplus material becomes the property of the contractor. And it is his responsibility to dispose of the material.
21. All work shall be done in accordance with applicable local requirements.
22. Contractor shall protect existing underground facilities during installation of proposed work.
23. Paved surfaces shall be protected from damage from tracked equipment.
24. Iron rods disturbed during construction to be replaced by registered public land surveyor to original property corner at no separate pay.
25. The contractor shall be responsible to maintain an updated redlined "as-built" set of plans on site for inspection by the City Engineer, the City Engineer's representative, and the Owner's representative.
26. Work performed under this contract is governed by requirements of several public governmental and private entities. Contractor shall comply with all requirements of governing entities.
27. Contractor to coordinate with the City of Weslaco Planning Department on work schedules, testing, general inspection, and existing lines.
28. All construction materials testing will be coordinated through City of Weslaco Planning & Code Enforcement Department.

EROSION CONTROL:

1. It is the intent of this suggested erosion control plan and within the specifications to be used as the general guidelines of the Storm Water Pollution Prevention Plan (SW3P) for this project to establish a minimum basis of compliance with federal regulations. Contractor shall prepare and submit a notice of intent per the requirements in the NPDES general permit. The contractor shall prepare the Storm Water Pollution Prevention Plan (SW3P) and be solely responsible for its implementation. The Storm Water Pollution Prevention Plan (SW3P) shall meet the requirements set forth in the Texas Commission on Environmental Quality (TCEQ) TPDES general permit for Region 6 for storm water discharges from construction sites.
2. The Storm Water Pollution Prevention Plan (SW3P) should address three goals:
   a. Diversion of upslope water around disturbed areas of the site;
   b. Limits the exposure of disturbed areas to the shortest duration possible; and
   c. Removal of sediment from storm water before it leaves the site.
3. The contractor shall make the Storm Water Pollution Prevention Plan (SW3P) available, upon request, to TCEQ.
4. The contractor must amend plans whenever there is a change in design, construction, operation, or maintenance of the plan, or when the existing plan proves ineffective. Modifications including design and all additional materials and work shall be accomplished by the contractor at no additional expense to the owner.
5. Stabilization measures are to be inspected at a minimum of once every 14 days and within 24 hours after any storm even greater than 0.5 inches. Repairs and inadequacies revealed by the inspection must be implemented within 7 calendar days following the inspection.
6. An inspection report that summarizes inspection activities and implementation of the Storm Water Pollution Prevention Plan (SW3P) shall be retained and made part of the plan.
7. All contractors and subcontractors identified in the plan must certify as to an understanding of the NDPES general permit before conducting any activity identified in the pollution prevention plan.
8. The contractor shall adopt appropriate construction site management practices to prevent the discharge of oils, grease, paints, gasoline, and other pollutants to storm water. Appropriate practices can include:
   a. Designating areas for equipment maintenance and repair;
   b. Regular collection of waste;
   c. Conveniently located waste receptacles; and
   d. Designating and controlling equipment wash down.
9. The contractor shall amend or modify this plan as required by construction means, methods and sequence. Modifications shall not compromise the intent of the requirements of law and this plan. Modifications shall not be basis for additional cost to the owner.
10. Areas of construction elsewhere on the job site shall conform to the details shown on the plans.
11. Borrow areas, if excavated, shall be protected and stabilized utilizing the plan details. All work shall conform to the governmental requirements and become part of the Storm Water Pollution Prevention Plan (SW3P). The work shall be done by the contractor at no additional expense to the owner.
12. All non-paved areas shall be mulched and seeded with erosion protection immediately upon completion of final grading. This includes all ditches and embankments. The contractor shall maintain final grading and keep seeded areas watered until fully established and accepted by the owner.
13. The contractor shall construct a stabilized construction exit at all traffic exit points prior to existing onto any paved roadway.

ESTIMATED QUANTITIES

BASE BID

ITEM NO.	ITEM DESCRIPTION	QTY	UNIT
01725	FIELD SURVEYING	1	LS
02316-1	EXCAVATION (ROADWAY)	3424	CY
02318	EXCAVATION (DETENTION)	1186	CY
02221-1	REMOVE ASPHALT PAVEMENT	369	SY
02221-2	REMOVE CONCRETE SIDEWALK	15	SY
02221-3	REMOVE CONCRETE CURB & GUTTER	477	LF
02100	SITE CLEARING	1	LS
01573-1	TEMPORARY SEDIMENT CONTROL FENCE	630	LF
01575	CONSTRUCTION ENTRANCE	78	SY
01573-2	INLET PROTECTION FILTER FABRIC	2	EA
	LIME TRT (EXIST MATL) (2% BY WEIGHT)	3611	SY
02047	FLEXIBLE BASE	3611	SY
02741	D-GR HMA TY-D (2IN THK)	3337	SY
02744	CUT & RESTORE PAVEMENT	220	SY
02771-1	CONCRETE CURB & GUTTER (18IN)	760	LF
02771-2	CONCRETE CURB (6IN)	1587	LF
02771-3	CONCRETE VALLEY GUTTER (3FT)	440	LF
02775	CONCRETE SIDEWALK (5FT)	585	LF
02771-4	CONCRETE FLUME (2FT)	30	LF
01561	TRENCH EXCAVATION PROTECTION	316	LF
02720-1	12IN HDPE PIPE	46	LF
02720-2	18IN HDPE PIPE	125	LF
02720-3	24IN HDPE PIPE	396	LF
03532-1	RIP-RAP (4IN)	5	CY
03532-2	CONCRETE SLOPED-END SECTION	3	EA
02720-4	GRATE INLET (2FTx2FT)	1	EA
02720-5	GRATE INLET (4FTx4FT)	1	EA
	GALVANIZED PLATE (5FTX1FT)	1	EA
	CONCRETE WHEEL STOPS	23	EA
02580-1	REFL PAV MRK TY I (W) 4IN (SLD)	1521	LF
02580-2	REFL PAV MRK TY I (W) 24IN (SLD)	32	LF
02580-3	REFL PAV MRK TY I (W) (ARROW)	3	EA
02580-4	REFL PAV MRK TY I (W) (DBL ARROW)	1	EA
02580-5	REFL PAV MRK TY I (W) (SYMBOL)	4	EA
	MISCELLANEOUS SIGNS & HARDWARE	21	EA
	ELECTRICAL CONDUIT	160	LF
	CONCRETE BOLLARDS	4	EA
	CONCRETE DUMPSTER PAD	8	CY
02711	WOOD FENCE (8FT)	30	LF

CITY ON THE GROW
CITY OF WESLACO

PROPOSED PARKING LOT @
MAYOR PABLO G. PEÑA CITY PARK
WESLACO, TEXAS

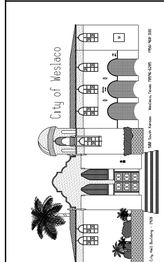
SEAL:

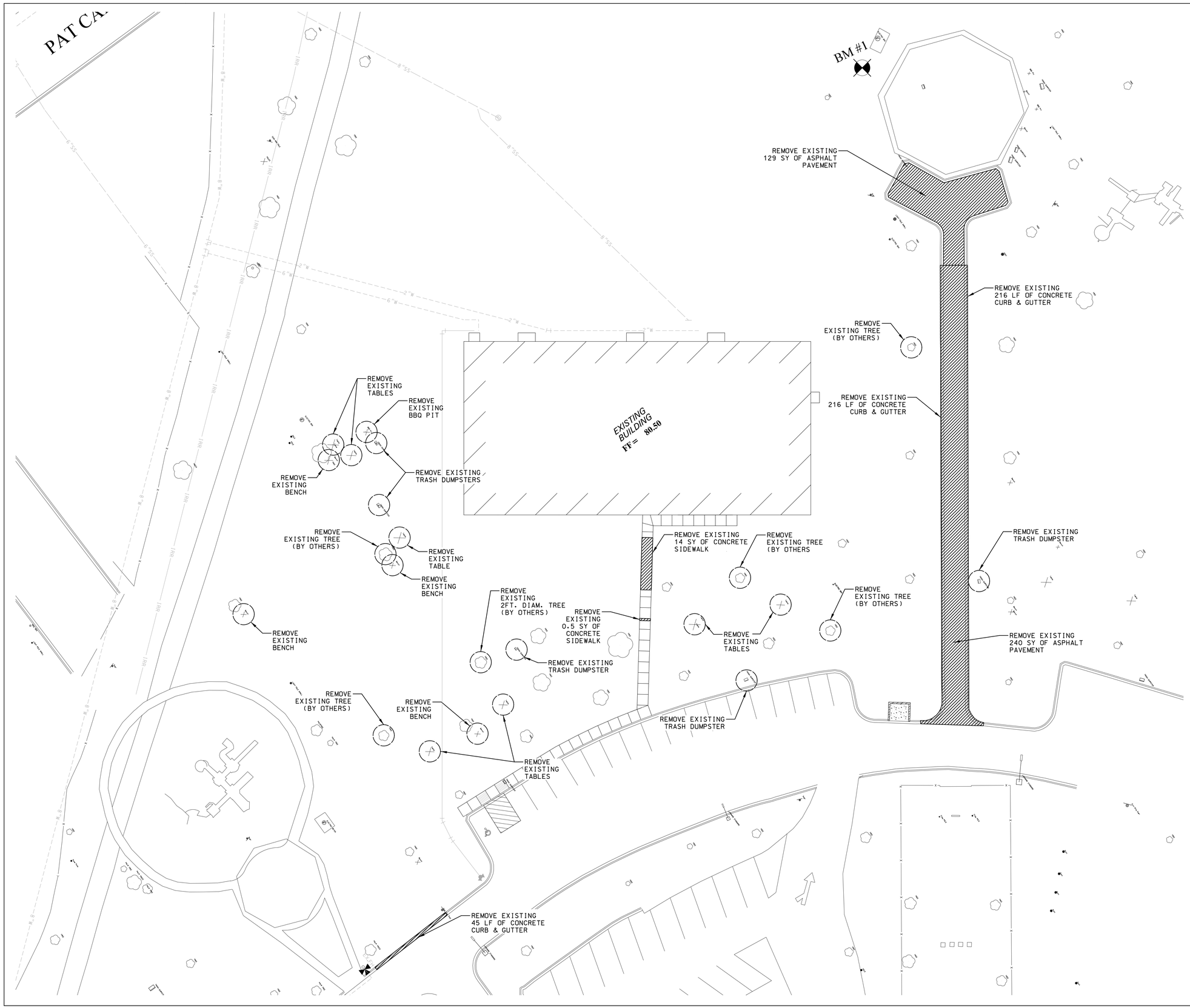
STATE OF TEXAS
MARDOQUEO HINOJOSA
107390
LICENSED
PROFESSIONAL ENGINEER
4-8-16

REVISIONS:

C-1

GENERAL NOTES/
EST. QUANTITIES





LEGEND

	EX. ELECTRIC BOX
8"W	EX. 8" WATER LINE
4"W	EX. 4" WATER LINE
SS	EX. MANHOLE
6"SS	EX. 6" SAN. SEWER LINE
IRR	EX. IRRIGATION LINE
	EX. TREE
8"SS	EX. 8" SAN SEWER
2"W	EX 2" WATER LINE
6"W	EX. 6" WATER LINE
	EX. FDC LINE
	EX. FDC VALVE
CO	EX. CLEANOUT
	EX. TRASH DUMPSTER

BENCHMARK NOTES:

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CITY ON THE GROW
CITY OF WESLACO

PROPOSED PARKING LOT @ MAYOR PABLO G. PEÑA CITY PARK

WESLACO, TEXAS

SEAL:

STATE OF TEXAS
MARDOQUEO HINOJOSA
107390
LICENSED
PROFESSIONAL ENGINEER
4-7-16

REVISIONS:

C-2

EX. CONDITIONS & DEMOLITION PLAN

SCALE: 1" - 20'

City of Weslaco

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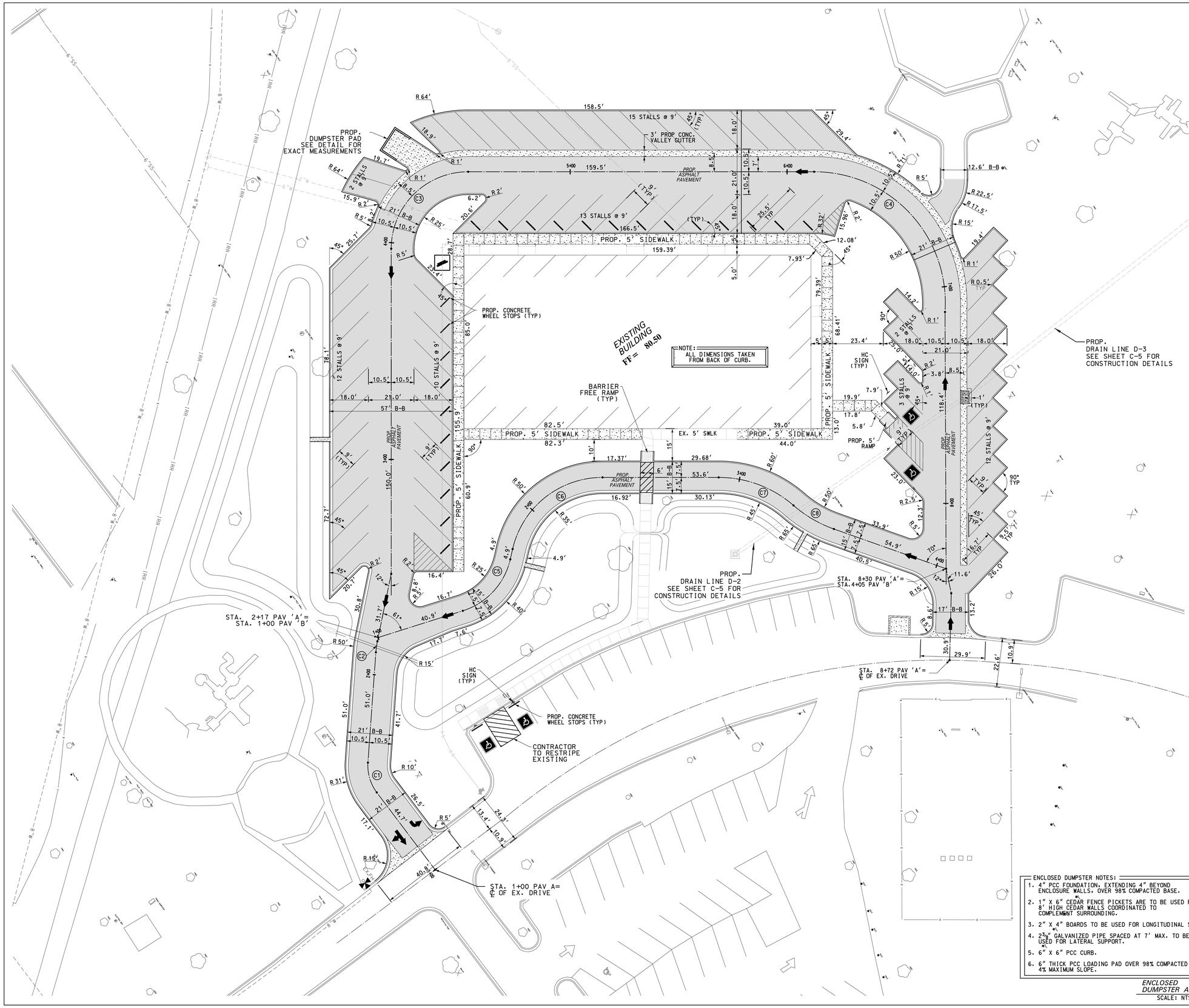

N

SCALE: 1"–20'

LEGEND

- EX. ELECTRIC BOX
- EX. 8" WATER LINE
- EX. 4" WATER LINE
- EX. MANHOLE
- EX. 6" SAN. SEWER LINE
- EX. IRRIGATION LINE
- EX. TREE
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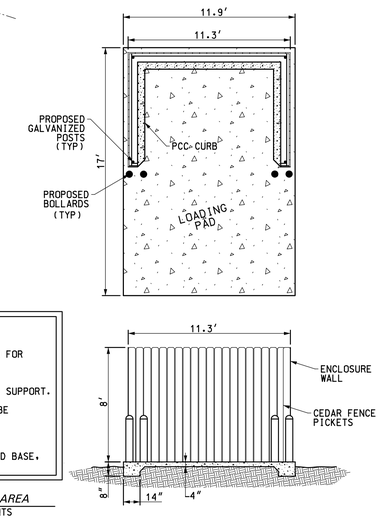
CENTERLINE CURVE SCHEDULE

CURVE ID	RADIUS	LENGTH	PC STATION	PT STATION
C1	20.5'	14.7'	1+44.70	1+59.40
C2	39.5'	5.1'	2+10.40	2+15.53
C3	35.5'	55.8'	3+97.20	4+53.03
C4	60.5'	99.2'	6+12.40	7+11.60
C5	32.5'	33.8'	1+41.00	1+74.80
C6	42.5'	57.2'	1+79.70	2+36.90
C7	52.5'	37.6'	2+90.36	3+28.00
C8	57.5'	21.7'	3+28.00	3+49.70



ENCLOSED DUMPSTER NOTES:

1. 4" PCC FOUNDATION, EXTENDING 4" BEYOND ENCLOSURE WALLS, OVER 98% COMPACTED BASE.
2. 1" X 6" CEDAR FENCE PICKETS ARE TO BE USED FOR 8' HIGH CEDAR WALLS COORDINATED TO COMPLEMENT SURROUNDING.
3. 2" X 4" BOARDS TO BE USED FOR LONGITUDINAL SUPPORT.
4. 2 3/8" GALVANIZED PIPE SPACED AT 7' MAX. TO BE USED FOR LATERAL SUPPORT.
5. 6" X 6" PCC CURB.
6. 6" THICK PCC LOADING PAD OVER 98% COMPACTED BASE, 4% MAXIMUM SLOPE.

ENCLOSED DUMPSTER AREA

SCALE: NTS

CITY ON THE GROW — CITY OF WESLACO

PROPOSED PARKING LOT @ MAYOR PABLO G. PEÑA CITY PARK

WESLACO, TEXAS

SEAL:

STATE OF TEXAS — MARDOQUEO HINOJOSA — 107390 — LICENSED PROFESSIONAL ENGINEER — 4-8-16

REVISIONS:

C-3

PROPOSED DIMENSIONAL CONTROL PLAN

SCALE: 1" - 20'

City of Weslaco

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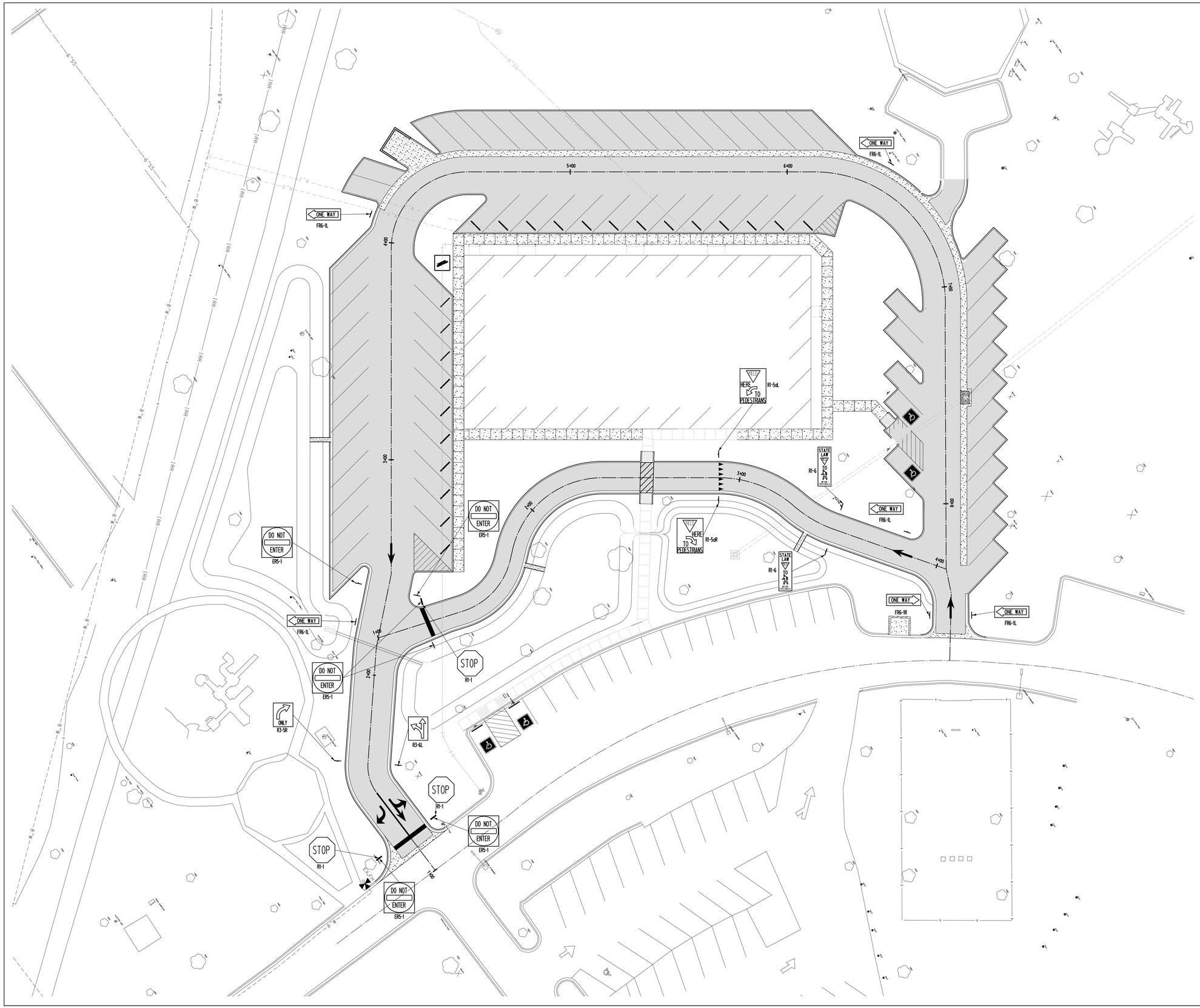

N

SCALE: 1"–20'

LEGEND

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CITY OF WESLACO

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WESLACO, TEXAS

SEAL:

STATE OF TEXAS
MARDOQUEO HINOJOSA
107390
LICENSED
PROFESSIONAL ENGINEER
4-5-16

REVISIONS:

C-4

PROPOSED SIGNAGE & PAVEMENT MARKINGS 1 OF 3

SCALE: 1" - 20'

City of Weslaco

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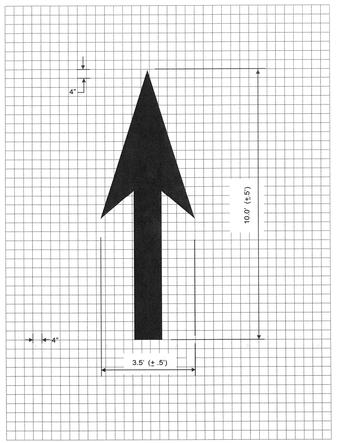

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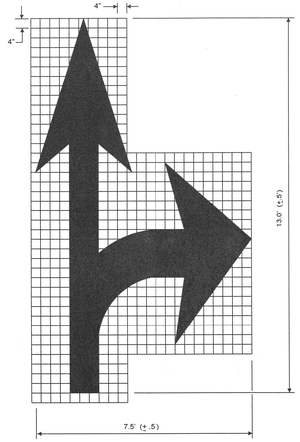

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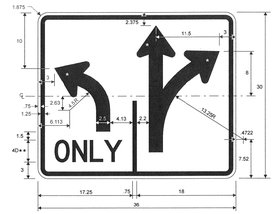
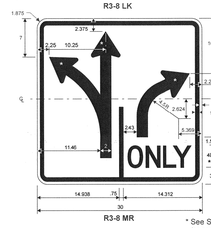


R3-8 LK



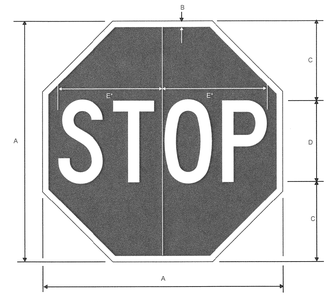
R3-8 MR

* See Symbol section for arrow design

COLORS: LEGEND - BLACK
BACKGROUND - WHITE (RETROREFLECTIVE)

1-37

TEXAS



R1-1

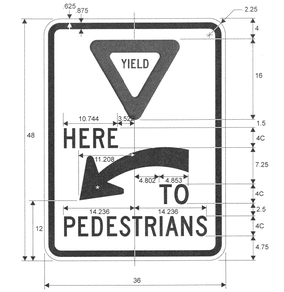
* reduce spacing 40%

PROPOSED DIMENSION TO BE USED

A	B	C	D	E
18	.375	6	6C	7.75
30	.75	10	10C	12.5
36	.875	12	12C	15
48	1.25	16	16C	20

COLORS: LEGEND - WHITE (RETROREFLECTIVE)
BACKGROUND - RED (RETROREFLECTIVE)

1-1

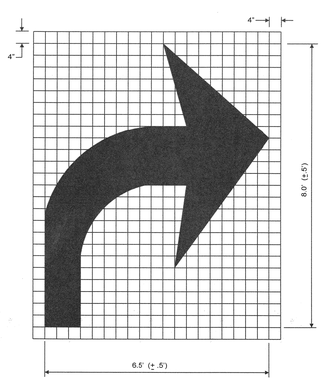


R1-5aL (R)

* R10-6a arrow - reduce to fit

COLORS: LEGEND - BLACK
YIELD SYMBOL - RED (RETROREFLECTIVE)
BACKGROUND - WHITE (RETROREFLECTIVE)

1-7



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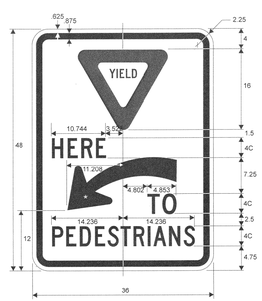
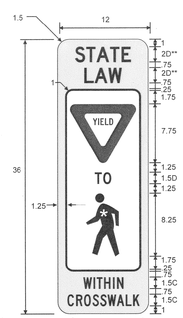


R1-5aL (R)

* R10-6a arrow - reduce to fit

COLORS: LEGEND - BLACK
YIELD SYMBOL - RED (RETROREFLECTIVE)
BACKGROUND - WHITE (RETROREFLECTIVE)

1-7

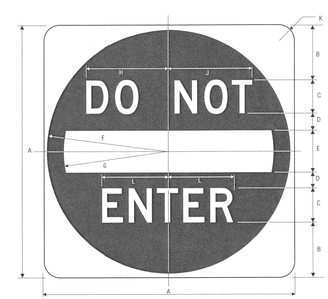


R1-6

* See Symbol section for symbol design
** Legend is optional

COLORS: LEGEND - BLACK
YIELD - RED (AS SHOWN)
BACKGROUND - YELLOW (RETROREFLECTIVE)
OPTIONAL: FLUORESCENT YELLOW GREEN

1-8



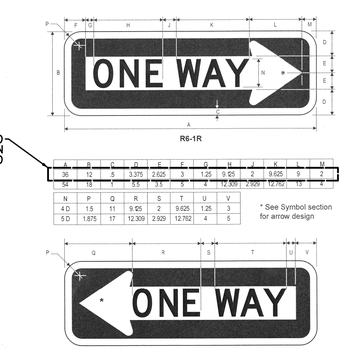
R5-1

PROPOSED DIMENSION TO BE USED

A	B	C	D	E	F	G	H	I	K	L
30	6.5	4 D	2	5	14.5	12.5	9.75	10	1.875	7.875
36	7.5	5 D	2.5	6	17.5	15	12	12.375	2.25	9.813
48	11	6 D	3	8	23.5	20	14.5	15	3	11.75

COLORS: SYMBOL - RED (RETROREFLECTIVE)
LEGEND & BACKGROUND - WHITE (RETROREFLECTIVE)

1-85



R6-1R

PROPOSED DIMENSION TO BE USED

A	B	C	D	E	F	G	H	J	K	L	M
36	12	5	3.375	2.625	3	1.25	9.625	2	9.625	9	2
54	18	7	5.5	3.5	5	4	12.309	2.929	12.762	13	4

N	P	Q	R	S	T	U	V
4 D	1.5	11	9.625	2	9.625	1.25	3
5 D	1.875	17	12.309	2.929	12.762	4	5

* See Symbol section for arrow design

R6-1L

COLORS: ARROW - WHITE (RETROREFLECTIVE)
LEGEND & BACKGROUND - BLACK

1-100

CITY ON THE GROW
CITY OF WESLACO

PROPOSED PARKING LOT @ MAYOR PABLO G. PEÑA CITY PARK

WESLACO, TEXAS

SEAL:

STATE OF TEXAS
MARDOQUEO HINOJOSA
107390
LICENSED
PROFESSIONAL ENGINEER
4-8-16

REVISIONS:

C-4.1

PROPOSED SIGNAGE & PAVEMENT MARKINGS 2 OF 2

SCALE: 1" = 20'

City of Weslaco

04.1-b&g-parking_pvmt-mark&signage.dgn 4/5/2016 3:14:49 PM

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SIGN SUPPORT DESCRIPTIVE CODES

(Descriptive Codes correspond to project estimate and quantities sheets)

SM RD SGN ASSM TY XXXXX(X)XX(X-XXXX)

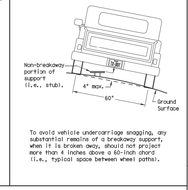
Post Type
- FRP = Fiberglass Reinforced Plastic Pipe (see SMD(FRP))
- TWT = Thin-Walled Tubing (see SMD(TWT))
- 10BWG = 10 BWG Tubing (see SMD(SLIP-1) to (SLIP-3))
- SB5 = Schedule 80 Pipe (see SMD(SLIP-1) to (SLIP-3))

Number of Posts (1 or 2)

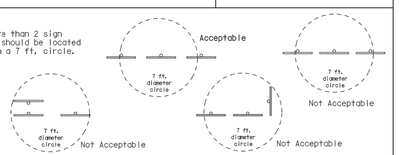
Anchor Type
- UA = Universal Anchor - Concreted (see SMD(FRP) and (TWT))
- UB = Universal Anchor - Bolted Down (see SMD(FRP) and (TWT))
- WS = Wedge Anchor Steel - (see SMD(TWT))
- WP = Wedge Anchor Plastic (see SMD(TWT))
- SA = Slipbase - Concreted (see SMD(SLIP-1) to (SLIP-3))
- SB = Slipbase - Bolted Down (see SMD(SLIP-1) to (SLIP-3))

Sign Mounting Designation
- P = Prefab. "Plain" (see SMD(SLIP-1) to (SLIP-3), (TWT), (FRP))
- P1 = Prefab. "1" (see SMD(SLIP-1) to (SLIP-3), (TWT))
- P2 = Prefab. "2" (see SMD(SLIP-1) to (SLIP-3))
- IF REQUIRED
- (EXT or 2EXT) = Number of Extensions (see SMD(SLIP-1) to (SLIP-3), (TWT))
- BW = Extruded Wind Beam (see SMD(SLIP-1) to (SLIP-3))
- WC = 1.12 Wff Wing Channel (see SMD(SLIP-1) to (SLIP-3))
- EXAL = Extruded Aluminum Sign Panels (see SMD(SLIP-3))

REQUIRED CLEARANCE FOR BREAKAWAY SUPPORT

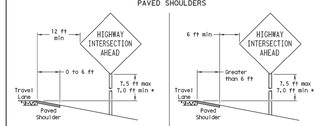


To avoid vehicle undercarriage snagging, any substantial remains of a breakaway support, when it is broken away, should not project more than 4 inches above a 60-inch chord (i.e., typical space between wheel pathes).



SIGN LOCATION

PAVED SHOULDERS



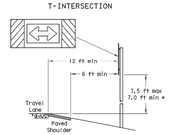
LESS THAN 6 FT. WIDE

When the shoulder is 6 ft. or less in width, the sign must be placed at least 12 ft. from the edge of the travel lane.

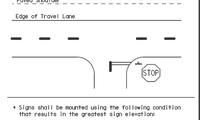
GREATER THAN 6 FT. WIDE

When the shoulder is greater than 6 ft in width, the sign must be placed at least 6 ft. from the edge of the shoulder.

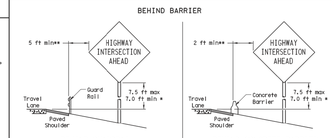
T-INTERSECTION



When this sign is needed at the end of a two-lane, two way roadway, the right edge of the sign should be in line with the centerline of the roadway. Place as close to ROW as practical.



BEHIND BARRIER



BEHIND GUARDRAIL

BEHIND CONCRETE BARRIER

**Sign clearance based on distance required for proper guard rail or concrete barrier performance.

* Signs shall be mounted using the following condition that results in the greatest sign elevation:

(1) a minimum of 7 to a maximum of 7.5 feet above the edge of the travel lane or

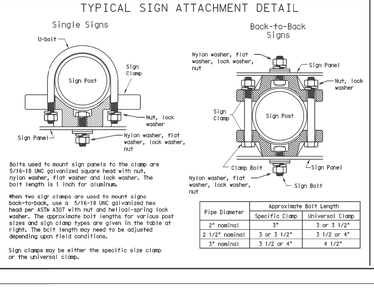
(2) a minimum of 7 to a maximum of 7.5 feet above the grade at the base of the support when sign is installed on the backslope.

The maximum values may be increased when directed by the Engineer.

See the Traffic Operations Division website for detailed drawings of sign clamps, Triangular Slipbase System components and Wedge Anchor System components.

The website address is:
http://www.txdot.gov/publications/traffic.htm

TYPICAL SIGN ATTACHMENT DETAIL



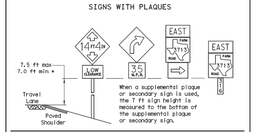
Bolts used to mount sign panels to the clamp are 5/16-18 UNC galvanized square head with nut, nylon washer, flat washer and lock washer. The bolt length is 1 inch for aluminum.

When two sign clamps are used to mount signs back-to-back, use a 5/16-18 UNC galvanized hex head per ASTM A307 with nut and helical-spring lock washer. The approximate bolt lengths for various post sizes and sign clamp types are given in the table at right. The bolt length may need to be adjusted depending upon field conditions.

Sign clamps may be either the specific size clamp or the universal clamp.

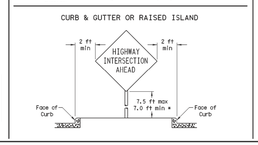
Pipe Diameter	Approximate Bolt Length	
	Specific Clamp	Universal Clamp
2" nominal	3"	3 or 3 1/2"
2 1/2" nominal	3 or 3 1/2"	3 1/2 or 4"
3" nominal	3 1/2 or 4"	4 1/2"

SIGNS WITH PLAQUES



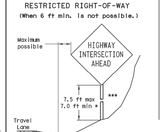
When a supplemental plaque or secondary sign is used, the 7 ft sign height is measured to the bottom of the supplemental plaque or secondary sign.

CURB & GUTTER OR RAISED ISLAND



RESTRICTED RIGHT-OF-WAY

(When 6 ft min. is not possible.)



Right-of-way restrictions may be created by rocks, water, vegetation, forest, buildings, a narrow island, or other factors.

In situations where a lateral restriction prevents the minimum horizontal clearance from the edge of the travel lane, signs should be placed as far from the travel lane as practical.

*** Post may be shorter if protected by guardrail or if Engineer determines the post could not be hit due to extreme slope.

Texas Department of Transportation
Traffic Operations Division

SIGN MOUNTING DETAILS
SMALL ROADSIDE SIGNS
GENERAL NOTES & DETAILS

SMD(GEN)-08

©TxDOT July 2002	No. TxDOT	Div. TxDOT	Hwy. TxDOT	Div. TxDOT
9-08 REVISIONS	CAT	SECT	JOB	HIGHWAY
	DIST		COUNTY	SHEET NO.

26A

DATE:
FILE:

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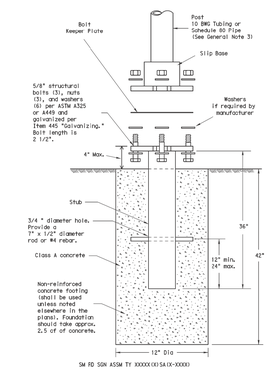
TRIANGULAR SLIPBASE INSTALLATION GENERAL REQUIREMENTS

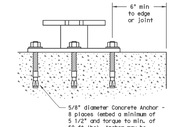


SM RD SGN ASSM TY XXXXX(X)SA(X-XXXX)

NOTE

There are various devices approved for the Triangular Slipbase System. Please reference the Material Producer List for approved slip base systems. http://www.txdot.gov/business/producer_list.htm The devices shall be installed per manufacturers' recommendations. Installation procedures shall be provided to the Engineer by Contractor.

CONCRETE ANCHOR



SM RD SGN ASSM TY XXXXX(X)SB(X-XXXX)

Concrete anchor consists of 5/8" diameter stud bolt with UNC series bolt threads on the upper end. Heavy hex nut per ASTM A563, and hardened washer per ASTM F436. The stud bolt shall have a minimum yield strength of 105 ksi and a tensile strength of 50 and 75 ksi, respectively. Nuts, bolts and washers shall be galvanized per Item 445, "Galvanizing." Adhesive type anchors shall have stud bolts installed with Type III epoxy per DMS-6100, "Epoxies and Adhesives." Adhesive anchors may be loaded after adequate epoxy cure time per the manufacturer's recommendations. Top of bolt shall extend at least flush with top of the nut when installed. The anchor, when installed in 4000 psi normal-weight concrete with a 5 1/2" minimum embedment, shall have a minimum allowable tension and shear of 3900 and 3100 pbs, respectively.

GENERAL NOTES:

1. Slip base shall be permanently marked to indicate manufacturer, Method, design, and location of marking are subject to approval of the TxDOT Traffic Standards Engineer.
2. Material used as post with this system shall conform to the following specifications:
   10 BWG Tubing (2.875" outside diameter)
   0.134" nominal wall thickness
   Seamless or electric-resistance welded steel tubing or pipe
   Steel shall be HSLAS Gr 55 per ASTM A1011 or ASTM A1008
   Other steels may be used if they meet the following:
   55,000 PSI minimum yield strength
   70,000 PSI minimum tensile strength
   20% minimum elongation in 2"
   Wall thickness (uncoated) shall be within the range of 0.122" to 0.138"
   Outside diameter (uncoated) shall be within the range of 2.867" to 2.883"
   Galvanization per ASTM A123 or ASTM A653 G210. For precoated steel tubing (ASTM A653), recoat tube outside diameter weld seam by metallizing with zinc wire per ASTM B833.
   Schedule 80 Pipe (2.875" outside diameter)
   0.276" nominal wall thickness
   Steel tubing per ASTM A500 Gr C
   Other seamless or electric-resistance welded steel tubing or pipe with equivalent outside diameter and wall thickness may be used if they meet the following:
   46,000 PSI minimum yield strength
   62,000 PSI minimum tensile strength
   21% minimum elongation in 2"
   Wall thickness (uncoated) shall be within the range of 0.246" to 0.304"
   Outside diameter (uncoated) shall be within the range of 2.857" to 2.895"
   Galvanization per ASTM A123
3. See the Traffic Operations Division website for detailed drawings of sign clamps and Texas Universal Triangular Slipbase System components. The website address is:
   http://www.txdot.gov/publications/traffic.htm
4. Sign supports shall not be spliced except where shown. Sign support posts shall not be spliced.

ASSEMBLY PROCEDURE

Foundation
1. Prepare 12-inch-diameter by 42-inch deep hole. If solid rock is encountered, the depth of the foundation may be reduced such that it is embedded a minimum of 18 inches into the solid rock.
2. The Engineer may permit batches of concrete less than 2 cubic yards to be mixed with a portable, motor-driven concrete mixer. For small placements less than 0.5 cubic yards, hand mixing in a suitable container may be allowed by Engineer. Concrete shall be Class A.
3. Push the pipe end of the slip base stub into the center of the concrete. Rotate the stub back and forth while pushing it down into the concrete to assure good contact between the concrete and stub. Continue to work the stub into the concrete until it is between 2 to 4 inches above the ground.
4. Plumb the stub. Allow a minimum of 4 days to set, unless otherwise directed by the Engineer.
5. The triangular slipbase system is multidirectional and is designed to release when struck from any direction.

Support
1. Cut support so that the bottom of the sign will be 7 to 7.5 feet above the edge of the traveleay (i.e., edge of the closest lane) when slip plate is below the edge of pavement or 7 to 7.5 feet above slip plate when the slip plate is above the edge of the traveleay. The cut shall be plumb and straight.
2. Attach sign to support using connections shown. When multiple signs are installed on the same support, ensure the minimum clearance between each sign is maintained. See SMD(SLIP-2) for clearances based on sign types.

Texas Department of Transportation
Traffic Operations Division

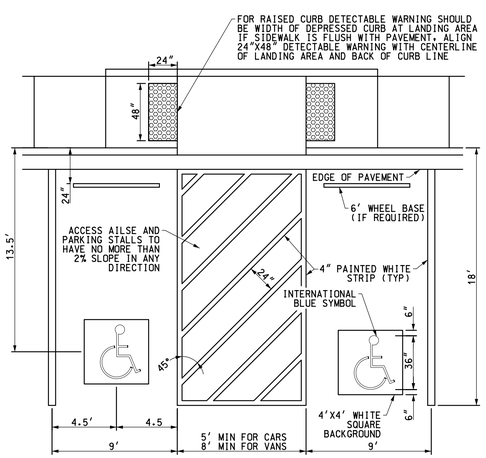
SIGN MOUNTING DETAILS
SMALL ROADSIDE SIGNS
TRIANGULAR SLIPBASE SYSTEM

SMD(SLIP-1)-08

©TxDOT July 2002	No. TxDOT	Div. TxDOT	Hwy. TxDOT	Div. TxDOT
9-08 REVISIONS	CAT	SECT	JOB	HIGHWAY
	DIST		COUNTY	SHEET NO.

26B

DATE:
FILE:



1. STRIPING AND CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE FEDERAL, STATE AND CITY OF WESLACO CODES AND SPECIFICIATIONS.

2.ALL PAVEMENT MARKINGS AND STRIPING IN THE RIGHT-OF-WAY SHALL BE THERMOPLASTIC

ADA HANDICAP PARKING
SPACE STRIPING DETAIL

SCALE: NTS

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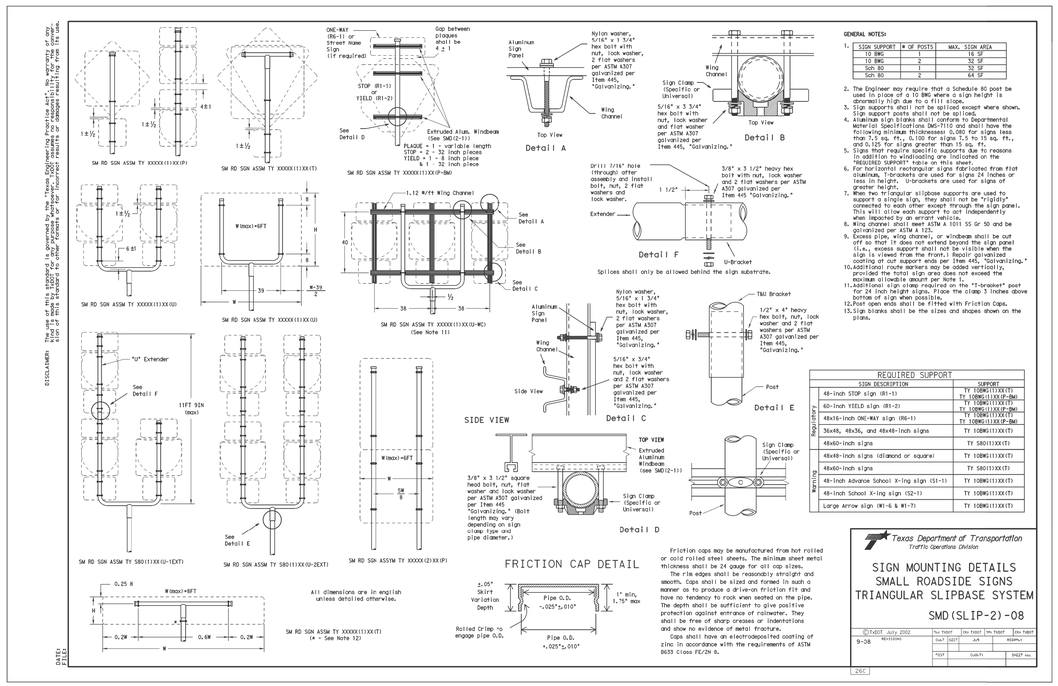


GENERAL NOTES:

	SIGN SUPPORT	# OF POSTS	MAX. SIGN AREA
1.	10 BWG	1	16 SF
	10 BWG	2	32 SF
	Sch 80	1	32 SF
	Sch 80	2	64 SF

2. The Engineer may require that a Schedule 80 post be used in place of a 10 BWG where a sign height is abnormally high due to a fill slope.
3. Sign supports shall not be spliced except where shown. Sign support posts shall not be spliced.
4. Aluminum sign blanks shall conform to Departmental Material Specifications DMS-7110 and shall have the following minimum thicknesses: 0.080 for signs less than 15 sq. ft., 0.100 for signs 15 sq. ft. to 45 sq. ft., and 0.125 for signs greater than 45 sq. ft.
5. Signs that require specific supports due to reasons in addition to windloading are indicated on the "REQUIRED SUPPORT" table on this sheet.
6. For horizontal rectangular signs fabricated from flat aluminum, T-brackets are used for signs 24 inches or less in height. U-brackets are used for signs of greater height.
7. When two triangular slipbase supports are used to support a single sign, they shall not be "rigidly" connected to each other except through the sign panel. This will allow each support to act independently when impacted by an errant vehicle.
8. Wing channel shall meet ASTM A 1011 SS Gr 50 and be galvanized per Item 445, "Galvanizing."
9. Sign clamps, U-brackets, or windbeam shall be out off so that it does not extend beyond the sign panel (i.e., excess support shall not be visible when the sign is viewed from the front.) Repair galvanized coating at cut support ends per Item 445, "Galvanizing."
10. Additional route markers may be added vertically, provided the total sign area does not exceed the maximum allowable sign area.
11. Additional sign clamp required on the "T-bracket" post for 24 inch height signs. Place the clamp 3 inches above bottom of sign when possible.
12. Post open ends shall be fitted with Friction Caps.
13. Sign blanks shall be the sizes and shapes shown on the plans.

	REQUIRED SUPPORT	
	SIGN DESCRIPTION	SUPPORT
Regulatory	48-inch STOP sign (R1-1)	TY 10BWG(1)XX(T)
		TY 10BWG(1)XX(P-BW)
	60-inch YIELD sign (R1-2)	TY 10BWG(1)XX(T)
		TY 10BWG(1)XX(P-BW)
	48x16-inch ONE-WAY sign (R6-1)	TY 10BWG(1)XX(T)
		TY 10BWG(1)XX(P-BW)
	36x48, 48x36, and 48x48-inch signs	TY 10BWG(1)XX(T)
	48x60-inch signs	TY SB01(1)XX(T)
Warning	48x48-inch signs (diamond or square)	TY 10BWG(1)XX(T)
	48x60-inch signs	TY SB01(1)XX(T)
	48-inch Advance School X-ing sign (S1-1)	TY 10BWG(1)XX(T)
	48-inch School X-ing sign (S2-1)	TY 10BWG(1)XX(T)
	Large Arrow sign (W1-6 & W1-7)	TY 10BWG(1)XX(T)

Friction caps may be manufactured from hot rolled or cold rolled steel sheets. The minimum sheet metal thickness shall be 24 gauge for all cap sizes.

The rim edges shall be reasonably straight and smooth. Caps shall be sized and formed in such a manner as to produce a drive-on friction fit and have no tendency to rock when seated on the pipe. The depth shall be sufficient to give positive protection against entrance of rainwater. They shall be free of sharp creases or indentations and show no evidence of metal fracture.

Caps shall have an electrodeposited coating of zinc in accordance with the requirements of ASTM B633 Class FE/ZN 8.

Texas Department of Transportation
Traffic Operations Division

SIGN MOUNTING DETAILS
SMALL ROADSIDE SIGNS
TRIANGULAR SLIPBASE SYSTEM

SMD(SLIP-2)-08

©TxDOT July 2002	No. TxDOT	Div. TxDOT	Hwy. TxDOT	Div. TxDOT
9-08 REVISIONS	CAT	SECT	JOB	HIGHWAY
	DIST		COUNTY	SHEET NO.

26C

DATE:
FILE:

CITY ON THE GROW
CITY OF WESLACO

PROPOSED PARKING LOT @ MAYOR PABLO G. PEÑA CITY PARK

WESLACO, TEXAS

SEAL:

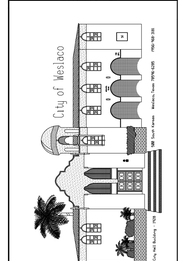
STATE OF TEXAS
MARDOQUEO HINOJOSA
107390
LICENSED
PROFESSIONAL ENGINEER
4-8-16

REVISIONS:

C-4.2

PROPOSED
SIGNAGE & PAVEMENT MARKINGS 3 OF 3

SCALE: 1" - 20'



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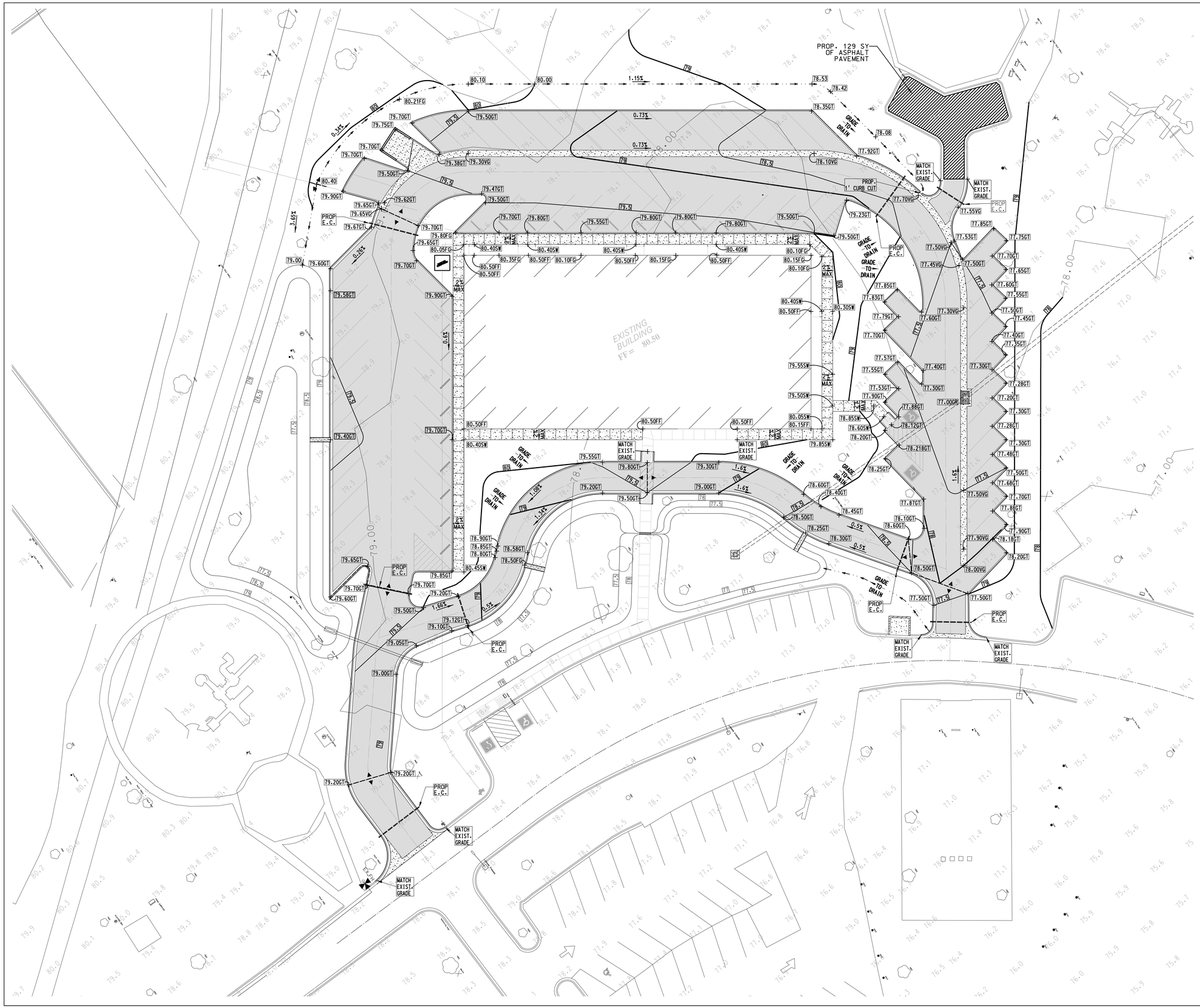


LEGEND

- EX. ELECTRIC BOX
- EX. 8" WATER LINE
- EX. 4" WATER LINE
- EX. MANHOLE
- EX. 6" SAN. SEWER LINE
- EX. IRRIGATION LINE
- EX. TREE
- EX. 8" SAN SEWER
- EX 2" WATER LINE
- EX. 6" WATER LINE
- EX. FDC LINE
- EX. FDC VALVE
- EX. CLEANOUT
- EX. TRASH DUMPSTER
- PROPOSED 4" CONDUIT

BENCHMARK NOTES:

1. VERTICAL CONTROL POINT VALUES WERE OBTAINED BY REAL TIME KINEMATIC (RTK) GPS SESSIONS AND USING THE TEXAS RTK COOPERATIVE NETWORK. THE VERTICAL VALUES ARE BASED ON THE GEOID 12A ELLIPTICAL MODEL.
2. HORIZONTAL DATUM IS NAD83 (CORS96 EPOCH 2002.00) TEXAS STATE PLANE SOUTH ZONE (4205). VERTICAL DATUM IS NAVD88. THE GEOID MODEL USED FOR THE PROJECT IS GEOID 12A.
3. COORDINATES AND DISTANCES ARE IN U.S. SURVEY FEET DISPAYED IN GRID.
4. BENCHMARK 1
   N = 16585753
   E = 1155037
   EL = 79.20
   BENCHMARK 2
   N = 16585670
   E = 1154833
   EL = 83.79

NOTE:

1. ALL ELECTRICAL CONDUIT TO BE 4" PVC.
2. CONDUIT TO EXTEND 1FT BEHIND BACK OF CURB CAPPED ON BOTH SIDES.
3. CONDUIT TO MAINATIN MINIMUM 1FT COVER.

CITY ON THE GROW — CITY OF WESLACO

PROPOSED PARKING LOT @ MAYOR PABLO G. PEÑA CITY PARK

WESLACO, TEXAS

SEAL:

STATE OF TEXAS — MARDOQUEO HINOJOSA — 107390 — LICENSED PROFESSIONAL ENGINEER — 4-8-16

REVISIONS:

C-5

PROPOSED GRADING & ELECTRICAL CONDUIT PLAN

SCALE: 1" = 20'

City of Weslaco

05-b&g-parking_grading.dgn 4/8/2016 8:15:48 AM

EROSION GENERAL NOTES

1. IT IS THE INTENT OF THIS SUGGESTED EROSION CONTROL PLAN AND WITHIN THE SPECIFICATIONS TO BE USED AS THE GENERAL GUIDELINES OF THE STORM WATER POLLUTION PREVENTION PLAN FOR THIS PROJECT TO ESTABLISH A MINIMUM BASIS OF COMPLIANCE WITH FEDERAL REGULATIONS. CONTRACTOR SHALL PREPARE AND SUBMIT A NOTICE OF INTENT PER THE REQUIREMENTS IN THE NPDES GENERAL PERMIT. THE CONTRACTOR SHALL PREPARE THE STORM WATER POLLUTION PREVENTION PLAN AND BE SOLELY RESPONSIBLE FOR ITS IMPLEMENTATION. THE STORM WATER POLLUTION PREVENTION PLAN SHALL MEET THE REQUIREMENTS SET FORTH IN THE TEXAS COMISSION ON ENVIRONMENTAL QUIALITY (TCEQ) TPDES GENERAL PERMIT FOR REGION 6 FOR STORM WATER DISCHARGES FROM CONSTRUCTION SITES.

2. THE STORM WATER POLLUTION PREVENTION PLAN SHOULD ADDRESS THREE GOALS:
   A) DIVERSION OF UPSLOPE WATER AROUND DISTURBED AREAS OF THE SITE;
   B) LIMITS THE EXPOSURE OF DISTURBED AREAS TO THE SHORTEST DURATION POSSIBLE; AND
   C) REMOVAL OF SEDIMENT FROM STORM WATER BEFORE IT LEAVES THE SITE.

3. THE CONTRACTOR SHALL MAKE THE STORM WATER POLLUTION PREVENTION PLAN AVAILABLE, UPON REQUEST, TO TCEQ.

4. THE CONTRACTOR MUST AMEND PLANS WHENEVER THERE IS A CHANGE IN DESIGN, CONSTRUCTION, OPERATION, OR MAINTENANCE OF THE PLAN, OR WHEN THE EXISTING PLAN PROVES INEFFECTIVE. MODIFICATIONS INCLUDING DESIGN AND ALL ADDITIONAL MATERIALS AND WORK SHALL BE ACCOMPLISHED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER.

5. STABILIZATION MEASURES ARE TO BE INSPECTED AT A MINIMUM OF ONCE EVERY 14 DAYS AND WITHIN 24 HOURS AFTER ANY STORM EVENT GREATER THAN 0.5 INCHES. REPAIRS AND INADEQUACIES REVEALED BY THE INSPECTION MUST BE IMPLEMENTED WITHIN 7 CALENDAR DAYS FOLLOWING THE INSPECTION.

6. AN INSPECTION REPORT THAT SUMMARIZES INSPECTION ACTIVITIES AND IMPLEMENTATION OF THE STORM WATER POLLUTION PREVENTION PLAN SHALL BE RETAINED AND MADE PART OF THE PLAN.

7. ALL CONTRACTORS AND SUBCONTRACTORS IDENTIFIED IN THE PLAN MUST CERTIFY AS TO AN UNDERSTANDING OF THE NPDES GENERAL PERMIT BEFORE CONDUCTING ANY ACTIVITY IDENTIFIED IN THE POLLUTION PREVENTION PLAN.

8. THE CONTRACTOR SHALL ADOPT APPROPRIATE CONSTRUCTION SITE MANAGEMENT PRACTICES TO PREVENT THE DISCHARGE OF OILS, GREASE, PAINTS, GASOLINE, AND OTHER POLLUTANTS TO STORM WATER. APPROPRIATE PRACTICES CAN INCLUDE:

   DESIGNATING AREAS FOR EQUIPMENT MAINTENANCE AND REPAIR;
   REGULAR COLLECTION OF WASTE;
   CONVENIENTLY LOCATED WASTE RECEPTACLES; AND
   DESIGNATING AND CONTROLLING EQUIPMENT WASHDOWN.

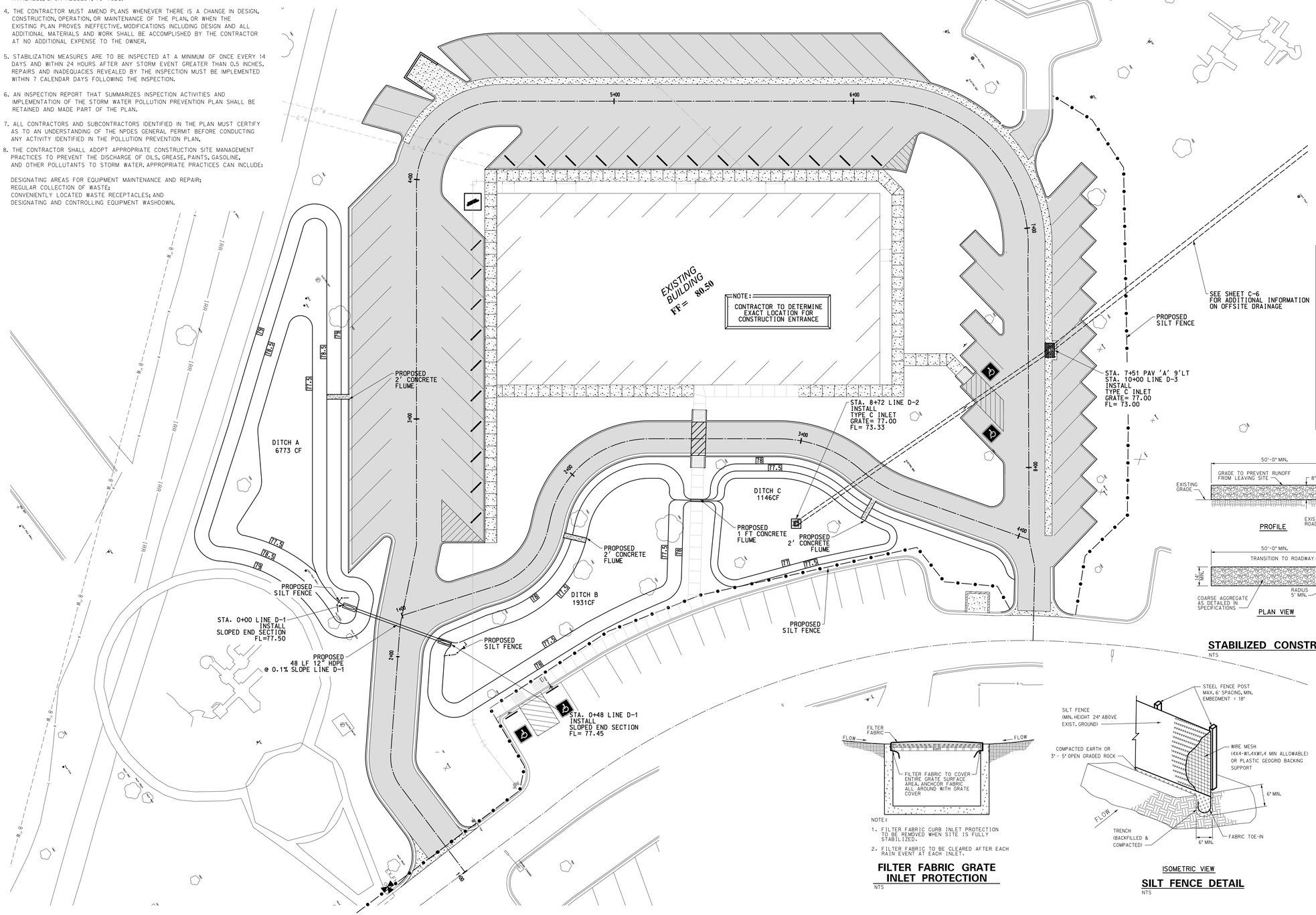
9. THE CONTRACTOR SHALL AMEND OR MODIFY THIS PLAN AS REQUIRED BY CONSTRUCTION MEANS, METHODS AND SEQUENCE. MODIFICATIONS SHALL NOT COMPROMISE THE INTENT OF THE REQUIREMENTS OF LAW AND THIS PLAN. MODIFICATIONS SHALL NOT BE BASIS FOR ADDITIONAL COST TO THE OWNER.

10. AREAS OF CONSTRUCTION ELSEWHERE ON THE JOB SITE SHALL CONFORM TO THE DETAILS SHOWN ON THE PLANS.

11. BORROW AREAS, IF EXCAVATED, SHALL BE PROTECTED AND STABILIZED UTILIZING THE PLAN DETAILS. ALL WORK SHALL CONFORM TO GOVERNMENTAL REQUIREMENTS AND BECOME PART OF THE STORM WATER POLLUTION PREVENTION PLAN (SWP3). THE WORK SHALL BE DONE BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER.

12. ALL NON-PAVED AREAS SHALL BE MULCHED AND SEEDED WITH EROSION PROTECTION IMMEDIATELY UPON COMPLETION OF FINAL GRADING. THIS INCLUDES ALL DITCHES AND EMBANKMENTS. THE CONTRACTOR SHALL MAINTAIN FINAL GRADING AND KEEP SEEDED AREAS WATERED UNTIL FULLY ESTABLISHED AND ACCEPTED BY THE OWNER.

13. THE CONTRACTOR SHALL CONSTRUCT A STABILIZED CONSTRUCTION EXIT AT ALL TRAFFIC EXIT POINTS PRIOR TO EXITING ONTO ANY PAVED ROADWAY.



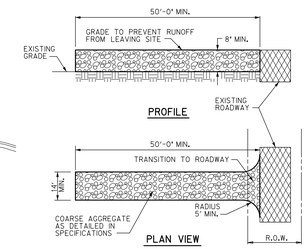
SCALE: 1"–20'

LEGEND

	EX. ELECTRIC BOX
—8"W—	EX. 8" WATER LINE
—4"W—	EX. 4" WATER LINE
SS	EX. MANHOLE
—6"SS—	EX. 6" SAN. SEWER LINE
—IRR—	EX. IRRIGATION LINE
	EX. TREE
—8"SS—	EX. 8" SAN SEWER
—2"W—	EX 2" WATER LINE
—6"W—	EX. 6" WATER LINE
	EX. FDC LINE
	EX. FDC VALVE
CO	EX. CLEANOUT
	EX. TRASH DUMPSTER

BENCHMARK NOTES:

1. VERTICAL CONTROL POINT VALUES WERE OBTAINED BY REAL TIME KINEMATIC (RTK) GPS SESSIONS AND USING THE TEXAS RTK COOPERATIVE NETWORK. THE VERTICAL VALUES ARE BASED ON THE GEOID 12A ELLIPTICAL MODEL.
2. HORIZONTAL DATUM IS NAD83 (CORS96 EPOCH 2002.00) TEXAS STATE PLANE SOUTH ZONE (4205). VERTICAL DATUM IS NAVD88. THE GEOID MODEL USED FOR THE PROJECT IS GEOID 12A.
3. COORDINATES AND DISTANCES ARE IN U.S. SURVEY FEET DISPAYED IN GRID.
4. BENCHMARK 1
   N = 16585753
   E = 1155037
   EL = 79.20
   BENCHMARK 2
   N = 16585670
   E = 1154833
   EL = 83.79



NOTES:

1. STONE SHALL BE 3 TO 5 INCH DIAMETER CRUSHED ROCK OR ACCEPTABLE CRUSHED CEMENT CONCRETE
2. WHEN NECESSARY, VEHICLES SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO A PUBLIC ROADWAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WITH DRAINAGE FLOWING AWAY FROM BOTH THE STREET AN THE STABILIZED ENTRANCE. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH OR WATERCOURSE USING APPROVED METHODS.
3. THE ENTRANCE MUST BE PROPERLY GRADED OR INCORPORATE DRAINAGE SWALE TO PREVENT RUNOFF FROM LEAVING THE CONSTRUCTION SITE.
4. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PAVED SURFACES. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE A CONDITIONS DEMAND. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PAVED SURFACES, MUST BE REMOVED IMMEDIATELY.
5. STABILIZED CONSTRUCTION EXIT TO BE REMOVED UPON COMPLETION OF CONSTRUCTION.

STABILIZED CONSTRUCTION EXIT

NTS

NOTE:

1. FILTER FABRIC CURB INLET PROTECTION TO BE REMOVED WHEN SITE IS FULLY STABILIZED.
2. FILTER FABRIC TO BE CLEARED AFTER EACH RAIN EVENT AT EACH INLET.

FILTER FABRIC GRATE INLET PROTECTION

NTS

ISOMETRIC VIEW

SILT FENCE DETAIL

NTS

SILT FENCE NOTES:

1. STEEL POSTS WHICH SUPPORT THE SILT FENCE SHALL BE INSTALLED WITH A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. POST MUST BE EMBEDDED A MINIMUM OF 18".
2. THE TOE OF THE SILT FENCE SHALL BE TRENCHED IN WITH A SPADE OR MECHANICAL TRENCHER, SO THAT THE DOWNSLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW. WHERE FENCE CANNOT BE TRENCHED IN WEIGHT FABRIC FLAP WITH WASHED GRAVEL ON UPHILL SIDE, AS NECESSARY, TO PREVENT FLOW UNDER FENCE.
3. THE TRENCH MUST BE A MINIMUM OF 6 INCHES DEEP AND 6 INCHES WIDE TO ALLOW FOR THE SILT FENCE FABRIC TO BE LAID IN THE GROUND AND BACKFILLED.
4. SILT FENCE SHOULD BE SECURELY FASTENED TO EACH STEEL SUPPORT POST OR TO BACKING SUPPORT, WHICH IS IN TURN ATTACHED TO THE STEEL FENCE POST. FABRIC SHALL OVERLAP AT ABUTTING ENDS A MINIMUM OF 3 FEET AND SHALL BE JOINED SUCH THAT NO BYPASS OR LEAKAGE OCCURS.
5. INSPECTION SHALL BE MADE WEEKLY OR AFTER EACH RAINFALL. REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
6. SILT FENCE SHALL BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.
7. ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF 6 INCHES. THE SILT SHALL BE DISPOSED OF IN AN APPROVED SITE AND IN SUCH A MANNER AS TO NOT CONTRIBUTE TO ADDITIONAL SILTATION.

CITY ON THE GROW — CITY OF WESLACO

PROPOSED PARKING LOT @ MAYOR PABLO G. PEÑA CITY PARK

WESLACO, TEXAS

SEAL:

STATE OF TEXAS — MARDOQUEO HINOJOSA — 107390 — LICENSED PROFESSIONAL ENGINEER — 4-7-16

REVISIONS:

C-6

PROPOSED DRAINAGE & SUGG. ERO. CONTROL PLAN

SCALE: 1" = 20'

City of Weslaco

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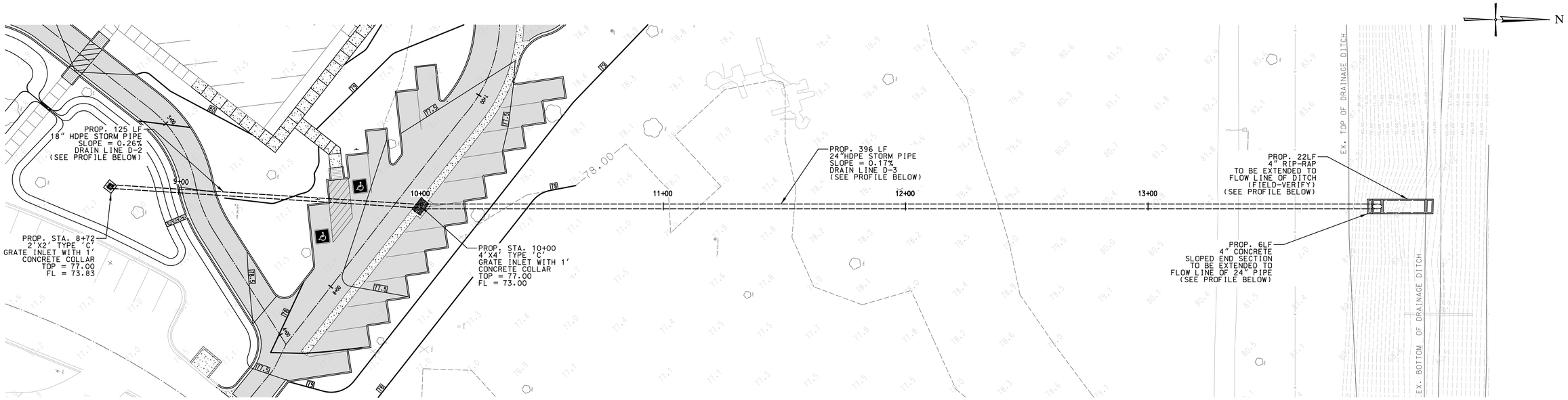
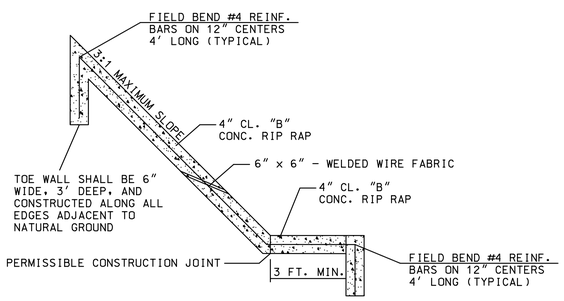


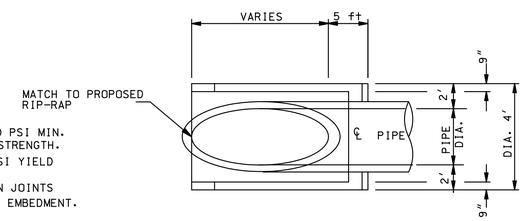


RIP-RAP SECTION

SCALE: NTS

NOTES :

1. CONCRETE TO HAVE 3000 PSI MIN. 28 DAYS COMPRESSION STRENGTH.
2. STEEL TO HAVE 4000 PSI YIELD STRENGTH.
3. DOWEL AT CONSTRUCTION JOINTS SHALL HAVE 36 X DIA. EMBEDMENT.



SLOPED END SECTION

SCALE: NTS

BENCHMARK NOTES:

1. VERTICAL CONTROL POINT VALUES WERE OBTAINED BY REAL TIME KINEMATIC (RTK) GPS SESSIONS AND USING THE TEXAS RTK COOPERATIVE NETWORK. THE VERTICAL VALUES ARE BASED ON THE GEOID 12A ELLIPTICAL MODEL.
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   E = 1155037
   EL = 79.20
   BENCHMARK 2
   N = 16585670
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   EL = 83.79

LEGEND

ELECTRIC METER	EX. ELECTRIC BOX
—8"W—	EX. 8" WATER LINE
—4"W—	EX. 4" WATER LINE
SS	EX. MANHOLE
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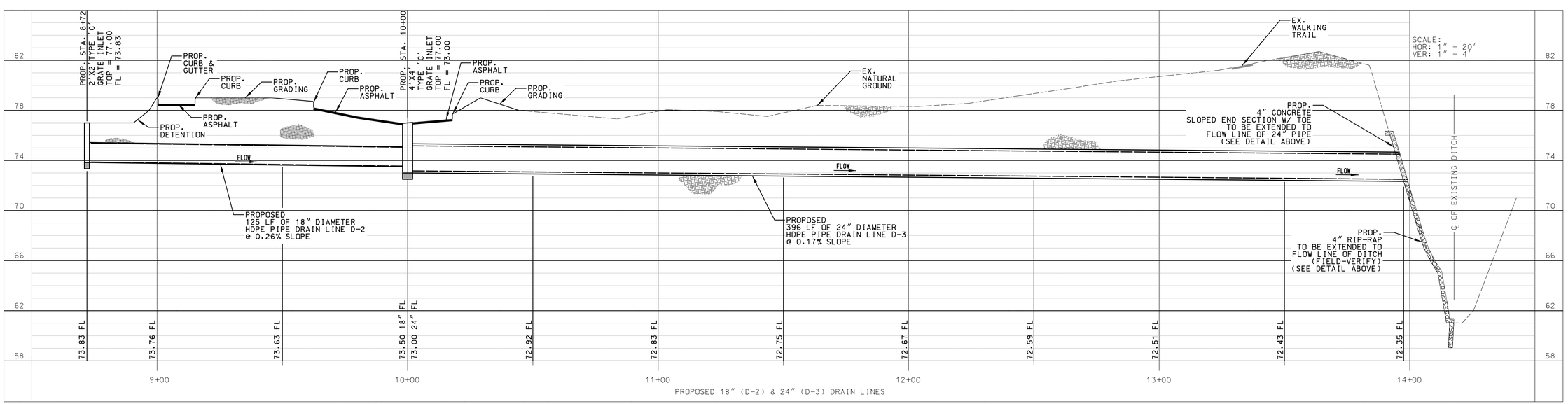
—6"W—	EX. 6" WATER LINE
	EX. FDC LINE
	EX. FDC VALVE
CO	EX. CLEANOUT
	EX. TRASH DUMPSTER



PROPOSED PARKING LOT @ MAYOR PABLO G. PEÑA CITY PARK

WESLACO, TEXAS

SEAL:

STATE OF TEXAS
MARDOQUEO HINOJOSA
107390
LICENSED PROFESSIONAL ENGINEER
4-5-16

REVISIONS:

C-7

OFF-SITE UTILITY PLAN

SCALE: 1" - 20'

City of Weslaco

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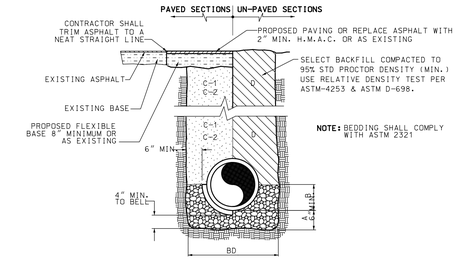


A. GRAVEL BEDDING PLACED BEFORE PIPE IS LAID (MIN. THICKNESS = 6"). PIT RUN GRAVEL 3/4" MAX. SIZE.

B. AFTER PIPE IS LAID. PLACE GRAVEL FROM BOTTOM TO SPRING LINE OF PIPE. PIT RUN GRAVEL 3/4" MAX. SIZE.

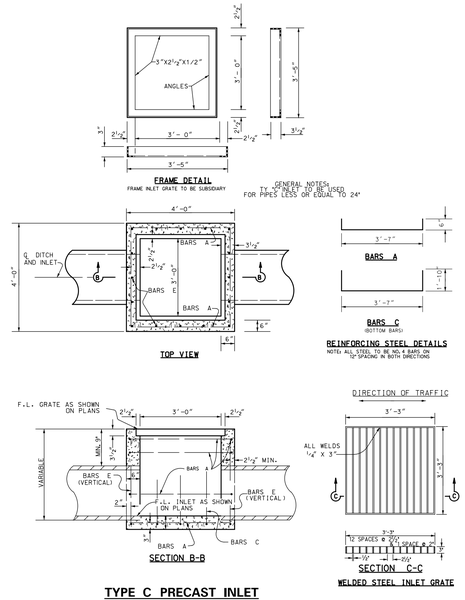
Bd. TRENCH WIDTHS SHALL BE EQUAL TO PIPE BELL O.D. + 12" OR IN ACCORDANCE WITH ASTM 2321.

C-1. CITY STREETS. PARKING AREA. DRIVEWAYS: SELECTED BACKFILL SHALL BE PLACED IN 8" LIFTS MECHANICALLY COMPACTED TO 98% MODIFIED PROCTOR DENSITY.

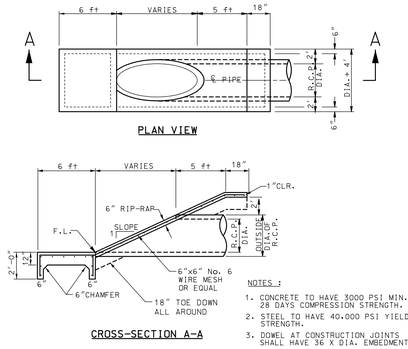
C-2. STATE MAINTAINED ROADWAYS: SAND/CEMENT STABILIZED BACKFILL. WITH 7% PORTLAND CEMENT. COMPACTED AS PER ASTM D-4253 AND ASTM D-698.

D. SELECTED EARTH BACKFILL MECHANICALLY COMPACTED TO 95% STD. PROCTOR DENSITY (12" LIFTS). FOUNDATION PREPARATION (WELLPOINTS. GRAVEL OR CEMENT STABILIZATION. OR APPROVED SUBSTITUTE) SHALL BE REQUIRED WHEN TRENCH BOTTOM IS UNSTABLE. BACKFILLING AT STRUCTURES SHALL BE PLACED IN UNIFORM LAYERS. MOISTENED AS REQUIRED TO APPROXIMATE OPTIMUM MOISTURE CONTENT. AND COMPACTED TO 90% STD. PROCTOR DENSITY (USE RELATIVE DENSITY TEST PER ASTM D-4253 & ASTM D-698). THE THICKNESS OF EACH LOOSE LAYER SHALL NOT EXCEED 6". STRUCTURAL BACKFILL MATERIAL SHALL BE AS APPROVED BY THE ENGINEER.

STORM SEWER LINE BEDDING DETAIL
NTS



TYPE C PRECAST INLET
NTS



SLOPED END SECTION
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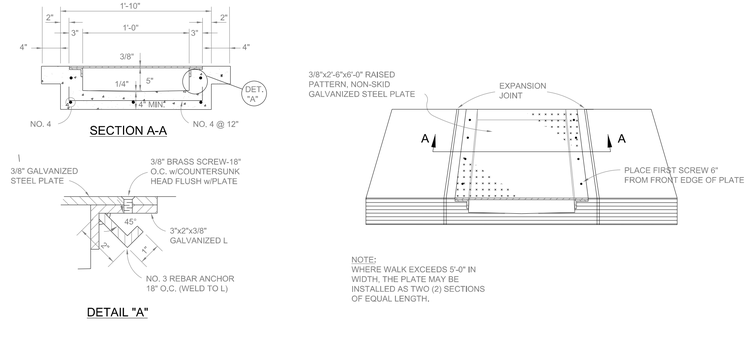
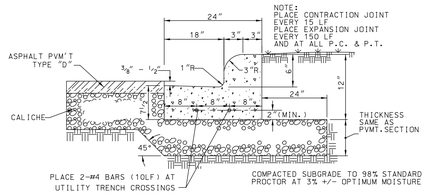
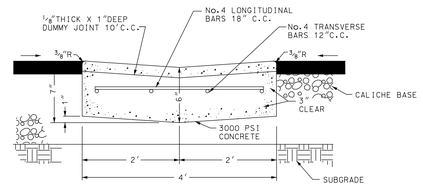


SIDEWALK FLUME DETAIL
NTS



TYPICAL CURB AND GUTTER SECTION
NTS



TYPICAL VALLEY GUTTER SECTION
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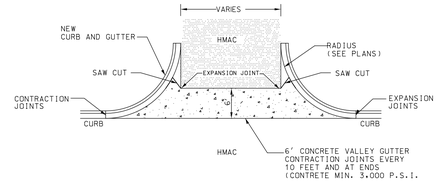

TYPICAL VALLEY GUTTER
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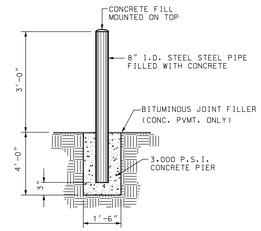
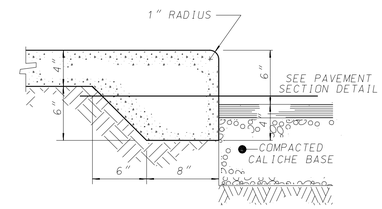
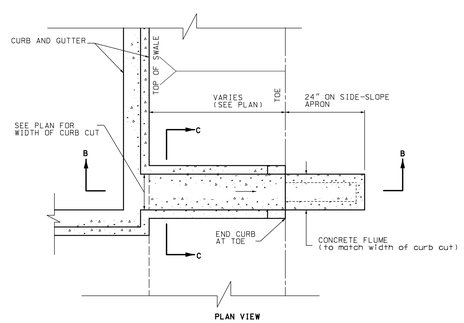


BOLLARD DETAIL
NTS

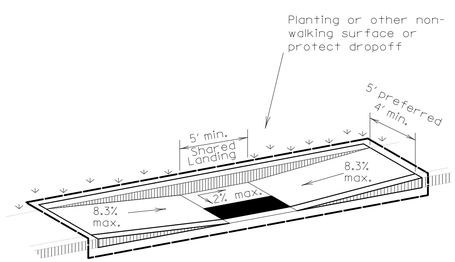
NOTE: STEEL PIPE SHALL BE GALVANIZED (2.0 OZ. ZINC/SQ.FT.) & HAVE A MINIMUM WALL THICKNESS OF 0.322 INCHES.



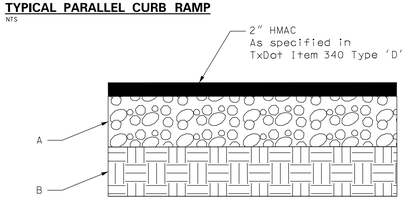
THICKENED EDGE WALK
NTS



TYPICAL CONCRETE FLUME
NTS



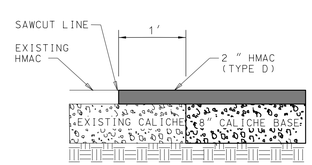
TYPICAL PARALLEL CURB RAMP
NTS



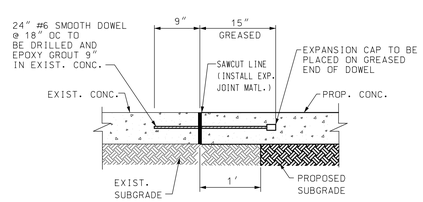
A. 8" FLEXIBLE BASE MATERIAL COMPACTED TO 98% OF THE MODIFIED PROCTOR (ASTM D-1557) MAX. DRY DENSITY NEAR OPTIMUM MOISTURE CONTENT.

B. 6" SUBGRADE COMPACTED TO 98% OF THE STANDARD PROCTOR (ASTM D-698) MAX. DRY DENSITY AT MOISTURE CONTENT BETWEEN OPTIMUM TO +3% OPTIMUM MOISTURE CONTENT. STABILIZED WITH 5% LIME BY DRY WEIGHT.

ASPHALT PAVEMENT SECTION
NTS



SAWCUT DETAIL
NTS



CONCRETE SAWCUT DETAIL
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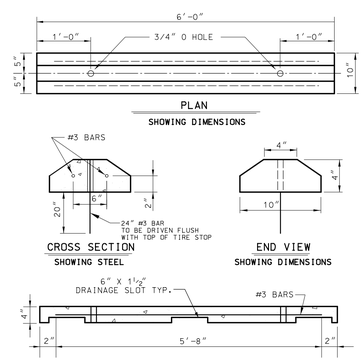
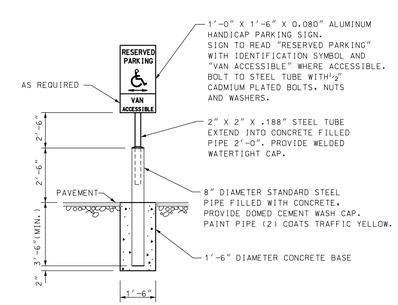


NOTE: ALL CONCRETE SHALL BE CLASS A

CONC. WHEEL STOP WITH DRAINAGE SLOTS DETAIL
NTS



HANDICAP SIGN & SUPPORT

CITY ON THE GROW — CITY OF WESLACO

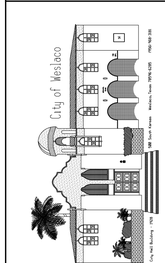
PROPOSED PARKING LOT @ MAYOR PABLO G. PEÑA CITY PARK
WESLACO, TEXAS

SEAL:

STATE OF TEXAS — MARDOQUEO HINOJOSA — 107390 — LICENSED PROFESSIONAL ENGINEER — 4-7-16

REVISIONS:

C-8
MISCELLANEOUS DETAILS



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