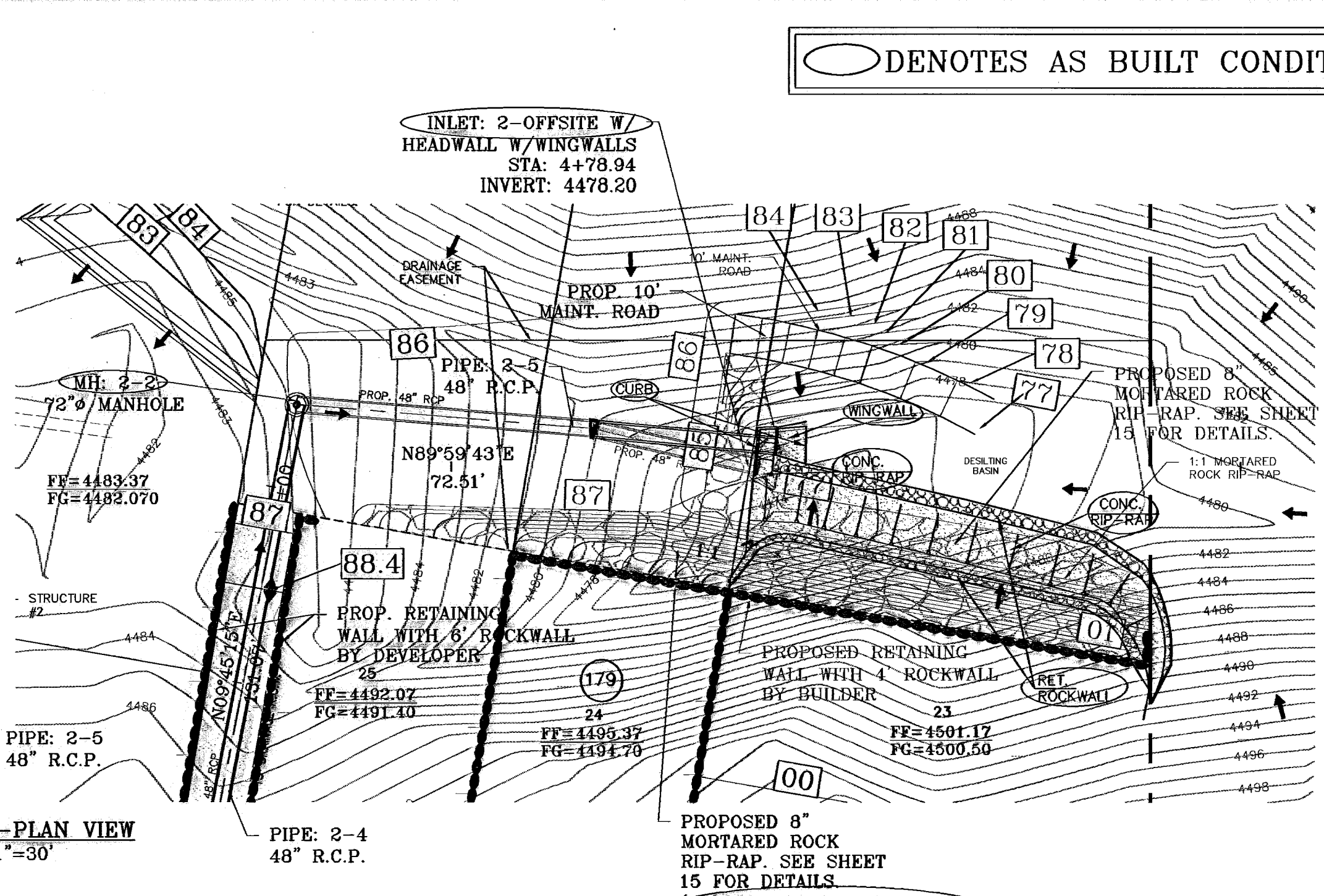


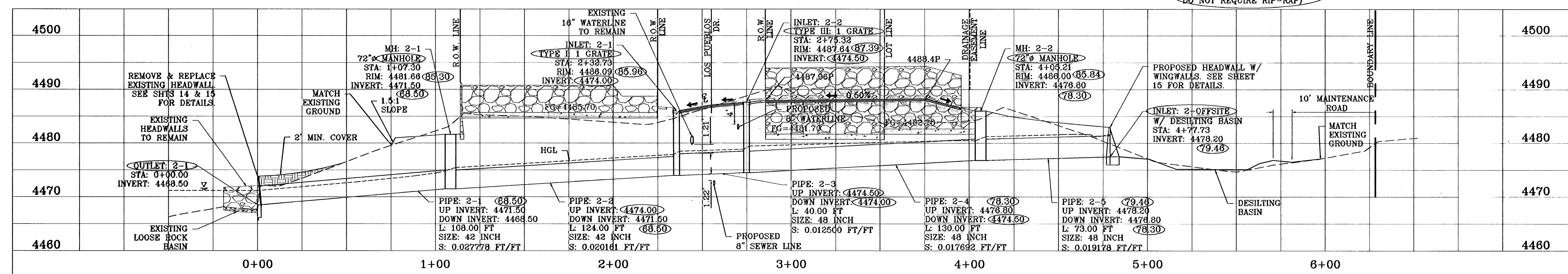
STRUCTURE 2-PLAN VIEW
SCALE: 1"=30'



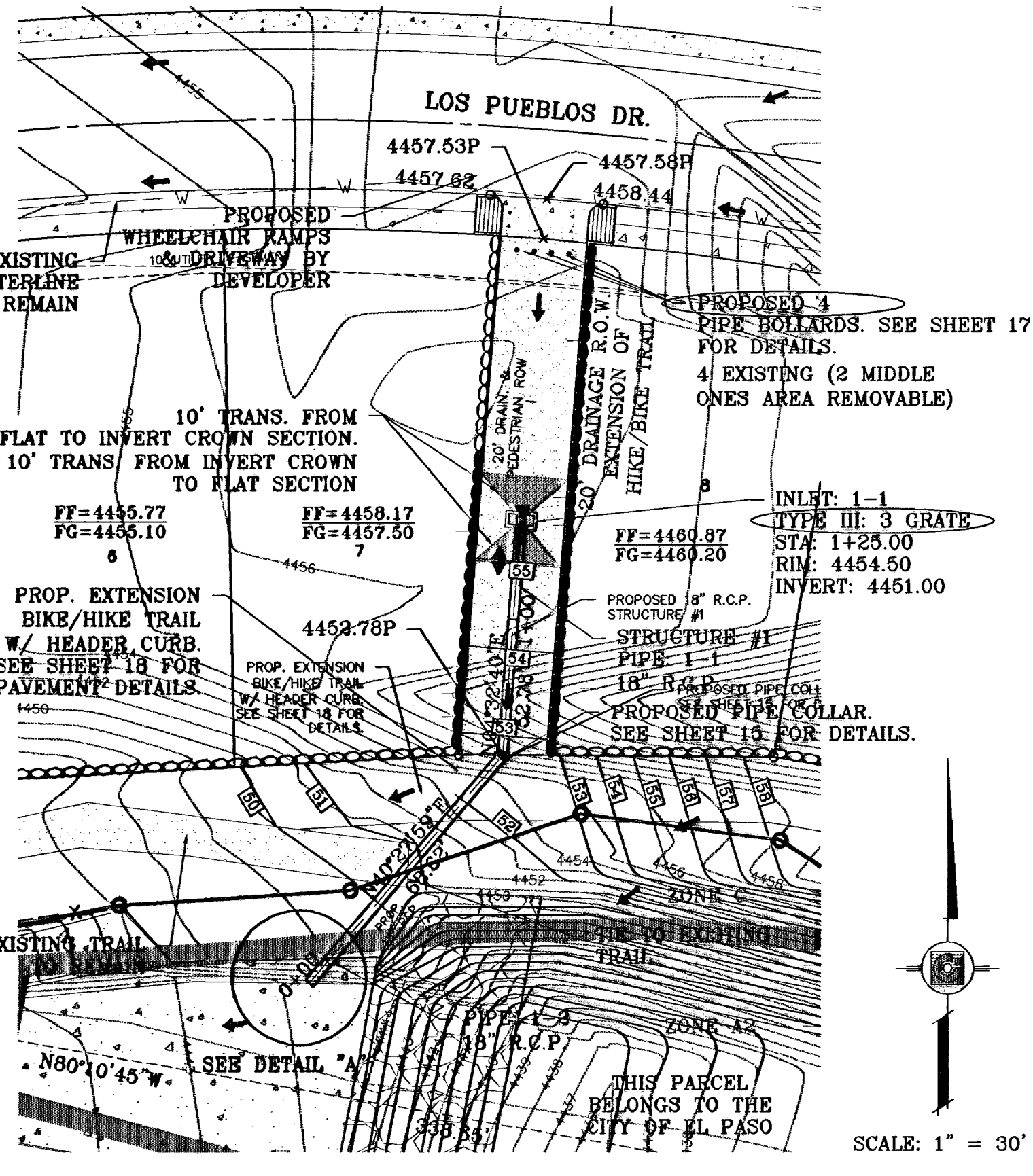
STRUCTURE 2-PLAN VIEW
SCALE: 1"=30'

○ DENOTES AS BUILT CONDITION ONLY

SCALE: 1" = 30'



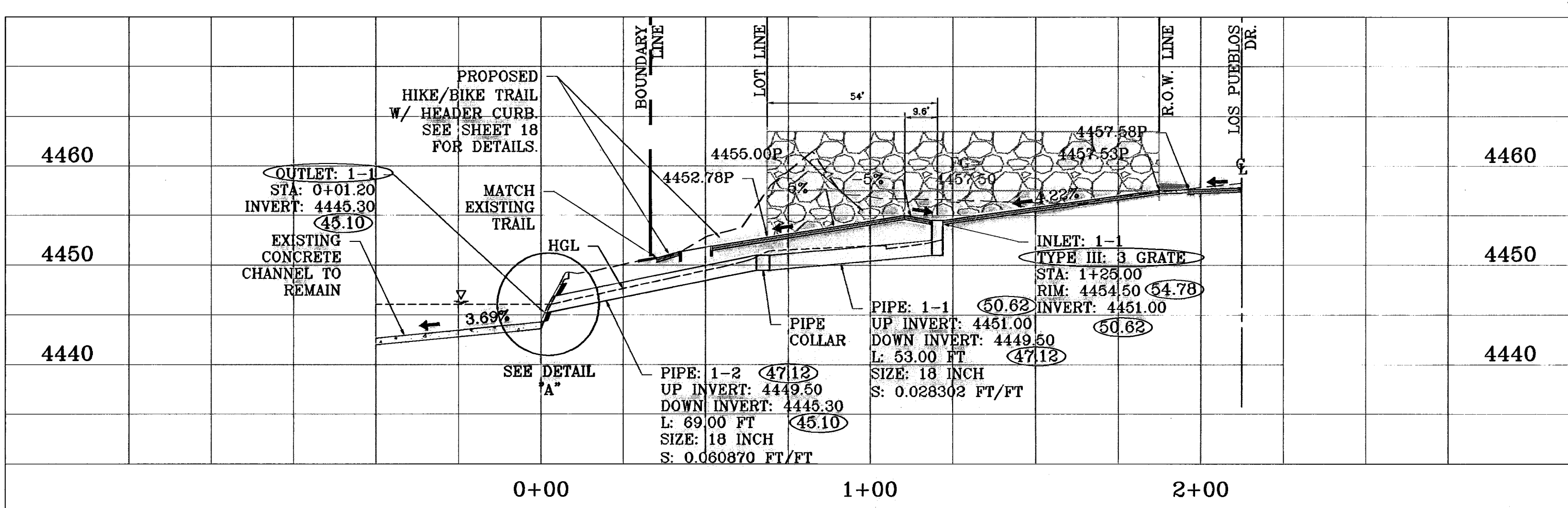
STRUCTURE 2-PROFILE
HORIZONTAL SCALE: 1"=30'
VERTICAL SCALE: 1"=10'



STRUCTURE 1-PLAN VIEW
SCALE: 1"=30'

PIPE	SECTION SIZE (in)	LENGTH (ft)	CONSTRUCTED SLOPE (ft/ft)	DISCHARGE (cfs)	CAPACITY (cfs)	AVERAGE VELOCITY (fps)	DOWN STREAM GROUND	DOWN STREAM HGL	DOWN STREAM INVERT	UPSTREAM GROUND	UPSTREAM HGL	UPSTREAM INVERT
1-1	18	53.00	0.028	12.94	17.67	7.53	4454.00	4451.45	4449.50	4454.50	4452.35	4451.00
1-2	18	69.00	0.081	12.94	25.91	10.86	4450.00	4446.08	4445.30	4454.00	4450.85	4449.50
2-1	42	108.00	0.028	140.84	167.67	16.33	4474.00	4471.17	4468.50	4481.66	4474.86	4471.50
2-2	42	124.00	0.020	140.84	142.85	14.62	4481.66	4475.46	4471.50	4486.09	4477.88	4474.00
2-3	48	40.00	0.013	138.87	160.59	11.05	4486.09	4478.48	4474.00	4487.84	4478.85	4474.50
2-4	48	130.00	0.018	137.10	191.05	11.14	4487.84	4479.45	4474.50	4486.00	4480.46	4478.80
2-5	48	73.00	0.019	137.10	198.91	11.36	4486.00	4481.26	4478.80	4485.00	4481.68	4478.20

STRUCTURE 1-PROFILE
HORIZONTAL SCALE: 1"=30'
VERTICAL SCALE: 1"=10'



INLET DATA

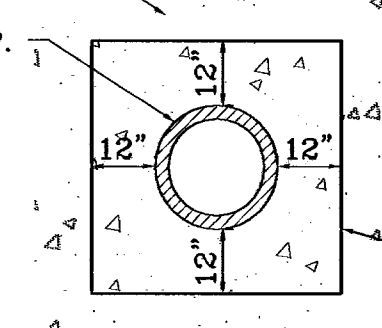
INLET No.	INLET TYPE	No. GRATES	Qd cfs	Qc cfs
1-1	III	3	12.94	23.16
2-1	I	1	1.77	10.84
2-2	III	1	1.77	7.72
2-OFFSITE	-	-	137.10	198.91

LOGGING FACTOR IS EQUAL TO 2/3

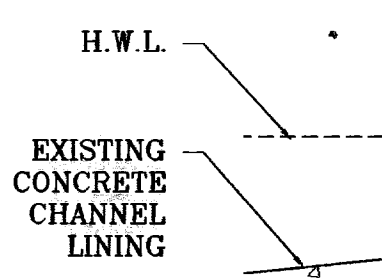
- CONSTRUCTION NOTES:**
- ALL CONCRETE FOR STRUCTURES SHALL BE 3000 PSI. UNLESS OTHERWISE NOTED.
 - MINIMUM COVER FOR REINFORCING STEEL SHALL BE 2" UNLESS OTHERWISE NOTED.
 - 95% COMPACTION REQUIRED FOR STRUCTURES AS PER ASTM D1557.
 - REINFORCING SHALL CONFORM TO THE REQUIREMENTS OF ASTM A615 GRADE 60.

ALL PIPES ARE R.C.P. CLASS III UNLESS OTHERWISE NOTED

SEE SHEET 13 FOR MANHOLE & HEADWALL WITH WINGWALLS DETAILS



DETAIL "A"
SCALE: 1"=3'



DETAIL "A"
HORIZONTAL SCALE: 1"=30'
VERTICAL SCALE: 1"=10'

BENCHMARK

CITY MONUMENT 17.23', EAST OF CENTERLINE INTERSECTION OF VALDE LA PALM DR. AND LOS PUEBLOS DR. ELEVATION 4443.71

DATE: 04/13/10
BY: J. G. FOSTER

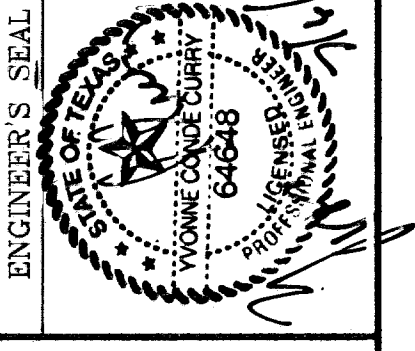
REVISIONS:
04/30/10 CITY REDLINES AS PER 04/06/10 COMMENTS E.F.G.
11/23/10 CITY REDLINES AS PER 04/26/10 COMMENTS E.F.G.
7-5-2011 AS BUILT AS BUILT

PROJECT NAME
CHAPARRAL PARK UNIT FORTY FOUR

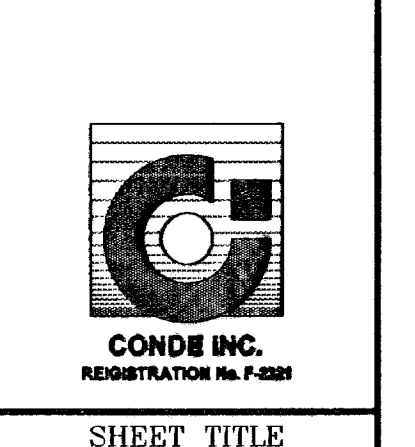
BEING A PORTION OF TRACT 1B, H. G. FOSTER, SURVEY NO. 258, CITY OF EL PASO COUNTY, TEXAS CONTAINING: 13.176 ACRES

SCALE
HORIZ: 1" = 30'
VERT: 1" = 10'

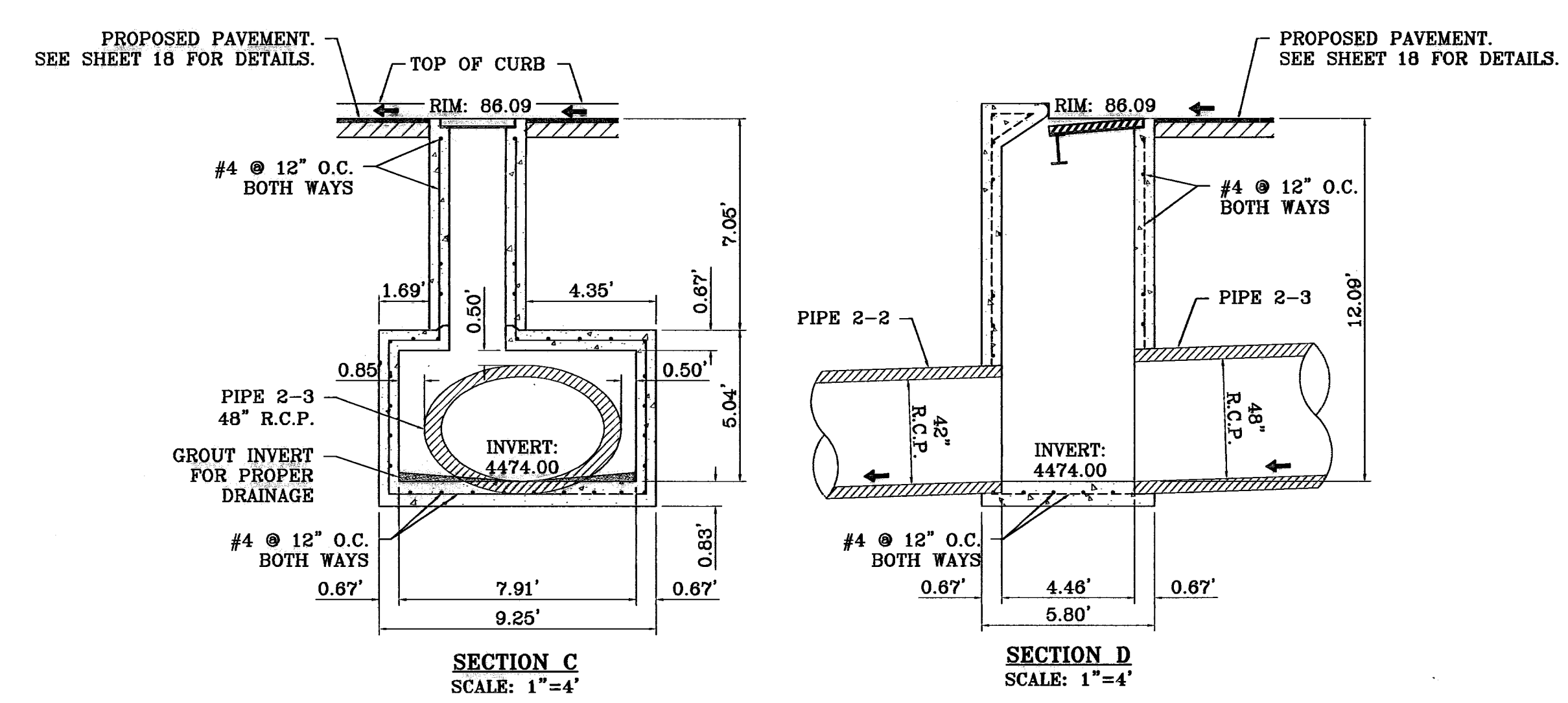
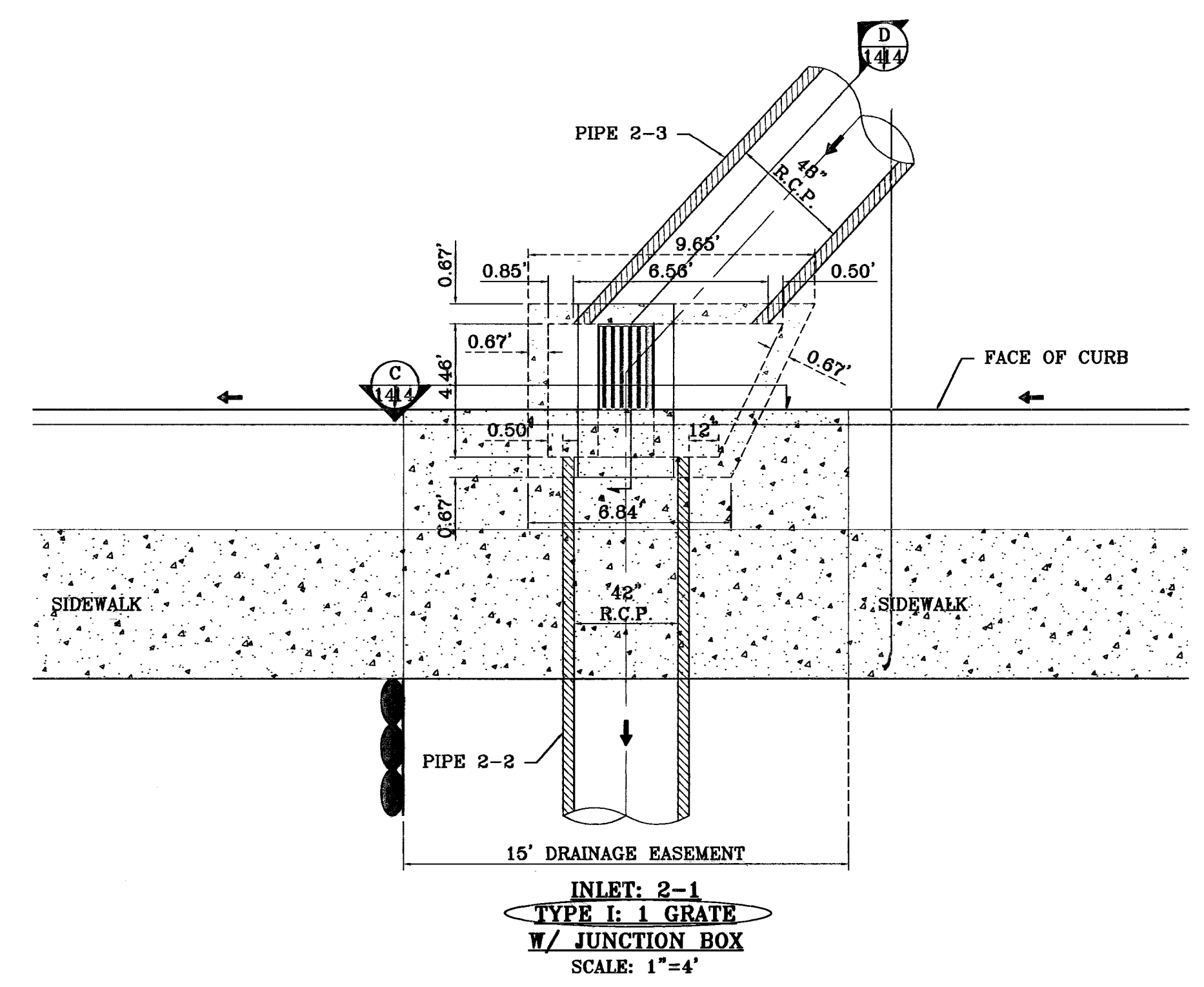
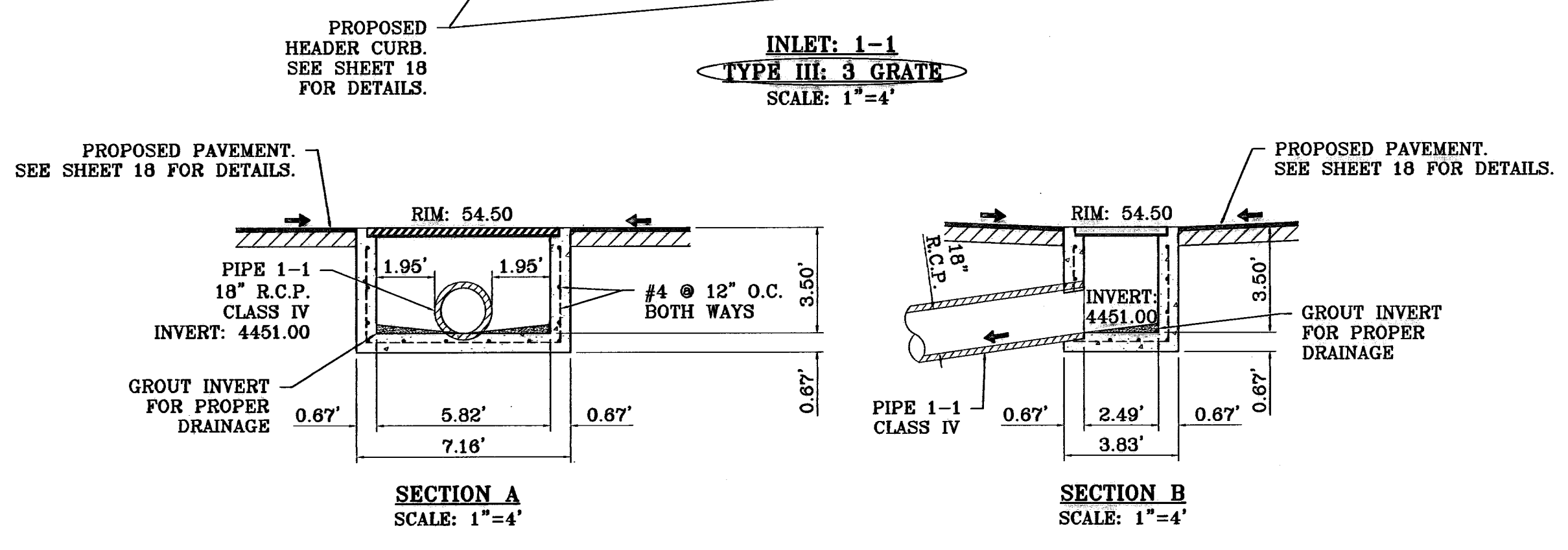
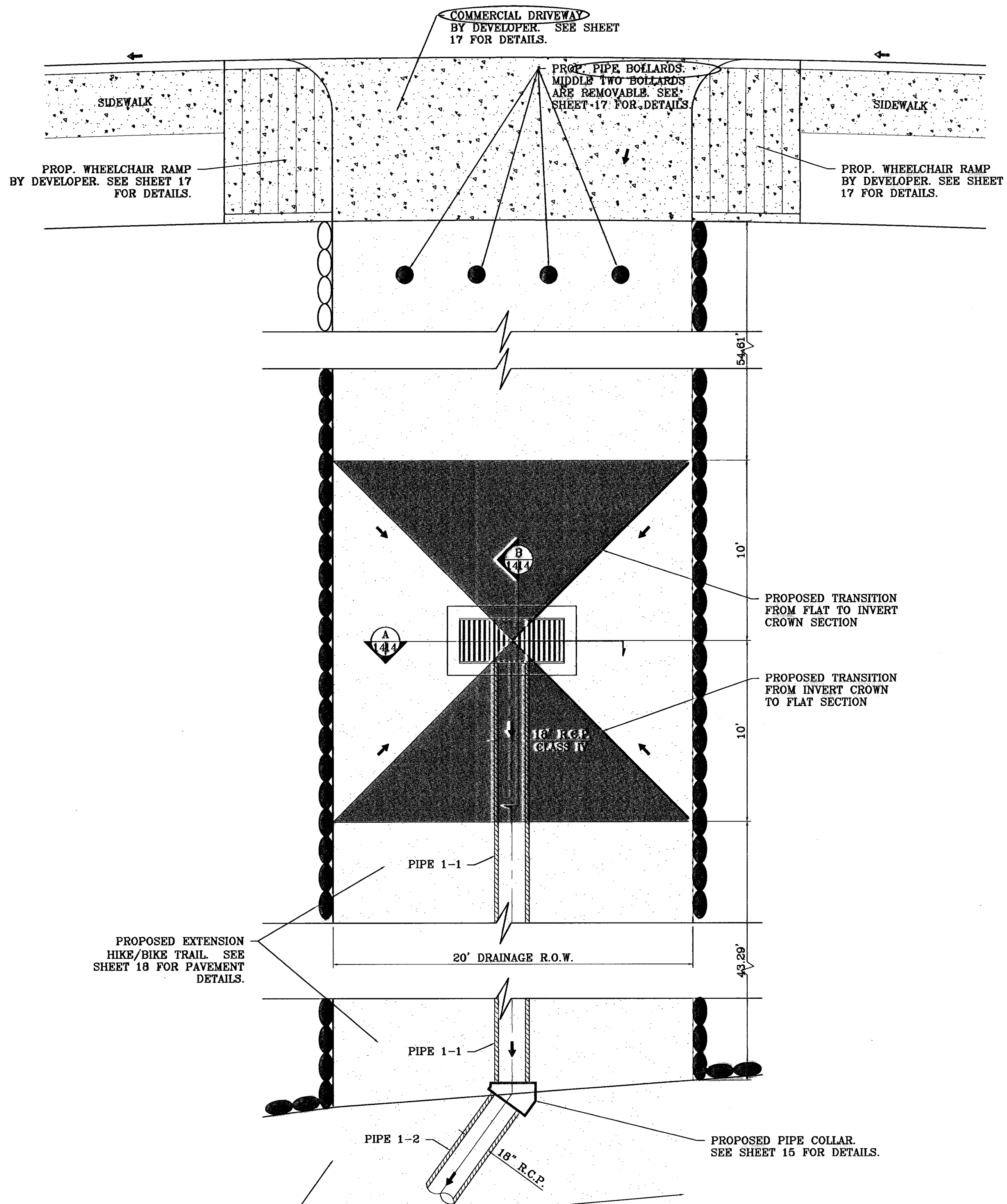
DATE: DEC. 2009
DESIGN BY: JC
INITIATED BY: RO
CHECKED BY: JC
JOB NO.: 11009-13



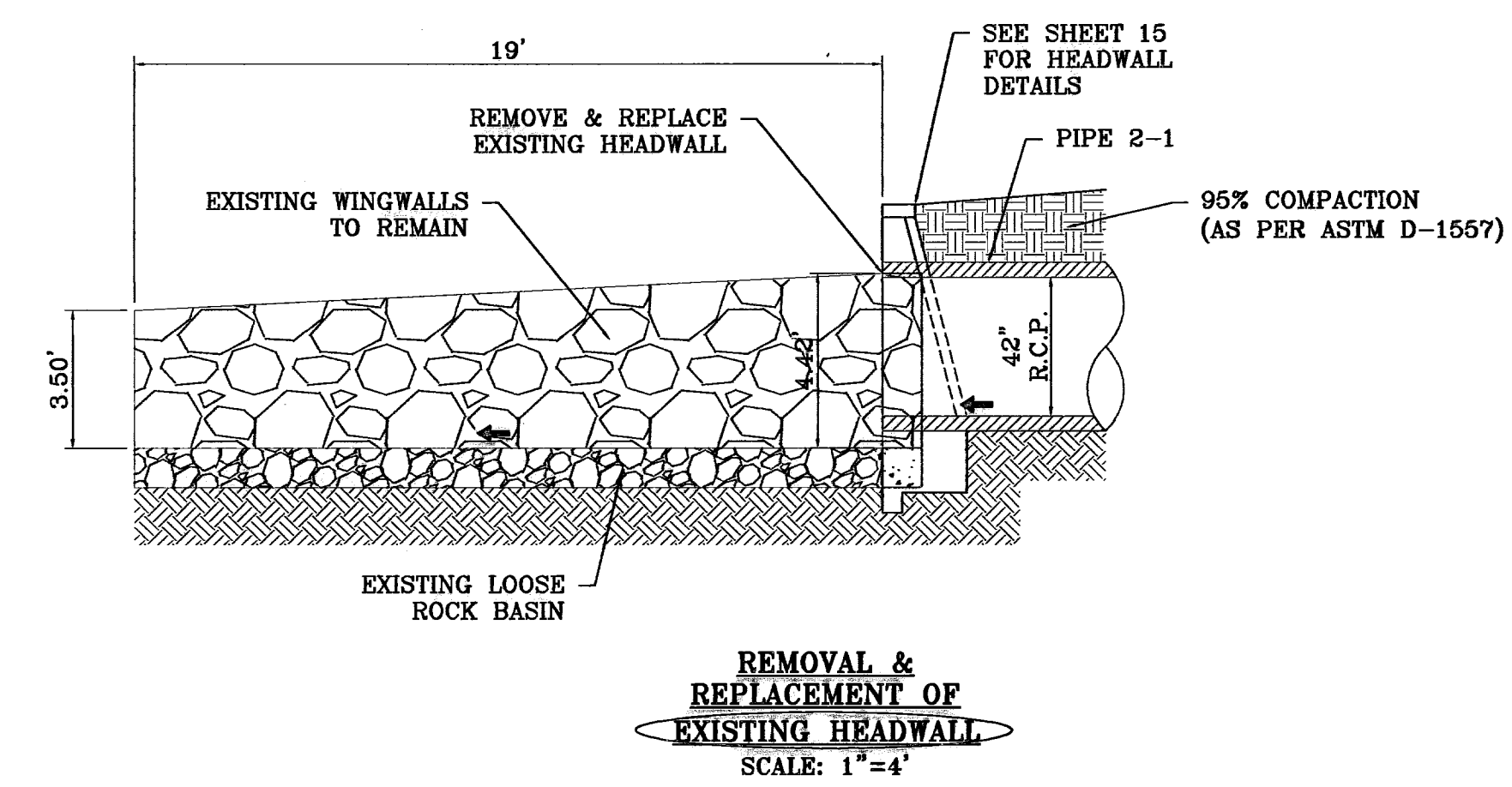
CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
6080 SURVEY DR. STE 100
EL PASO, TEXAS 79906
PHONE: (915) 592-0283
FAX: (915) 692-0286



SHEET TITLE
STRUCTURES 1 & 2



ALL JUNCTION BOXES ARE PRE-CAST UNLESS OTHERWISE NOTED



○ DENOTES AS BUILT CONDITION ONLY

BENCHMARK

CITY MONTMENT 17.23' EAST OF CENTERLINE INTERSECTION OF VIA DE LA PAZ DR AND LOS PUEBLOS DR. ELEVATION 4443.71

DATE	REVISIONS	BY
04/14/10	CITY REDLINES AS PER 04/06/10 COMMENTS	E.F.C.
04/29/10	CITY REDLINES AS PER 04/26/10 COMMENTS	E.F.C.
11/25/10	AS BUILT	F.R.

PROJECT NAME

CHAPARRAL PARK UNIT FORTY FOUR

BENING A PORTION OF TRACT 1B, H. G. FOSTER, SURVEY No. 258, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 13.176 ACRES

SCALE

HORIZ: AS SHOWN

VERT: ---

DATE: DEC. 2009

DESIGN BY: YC

INITIATED BY: RO

CHECKED BY: YC

JOB NO.: 1109-13

ENGINEER'S SEAL

CONDE INC.

ENGINEERING / PLANNING / SURVEYING / GPS

6000 SUTTERVILLE ST. SUITE 100

980 P. PASO, TEXAS 79060

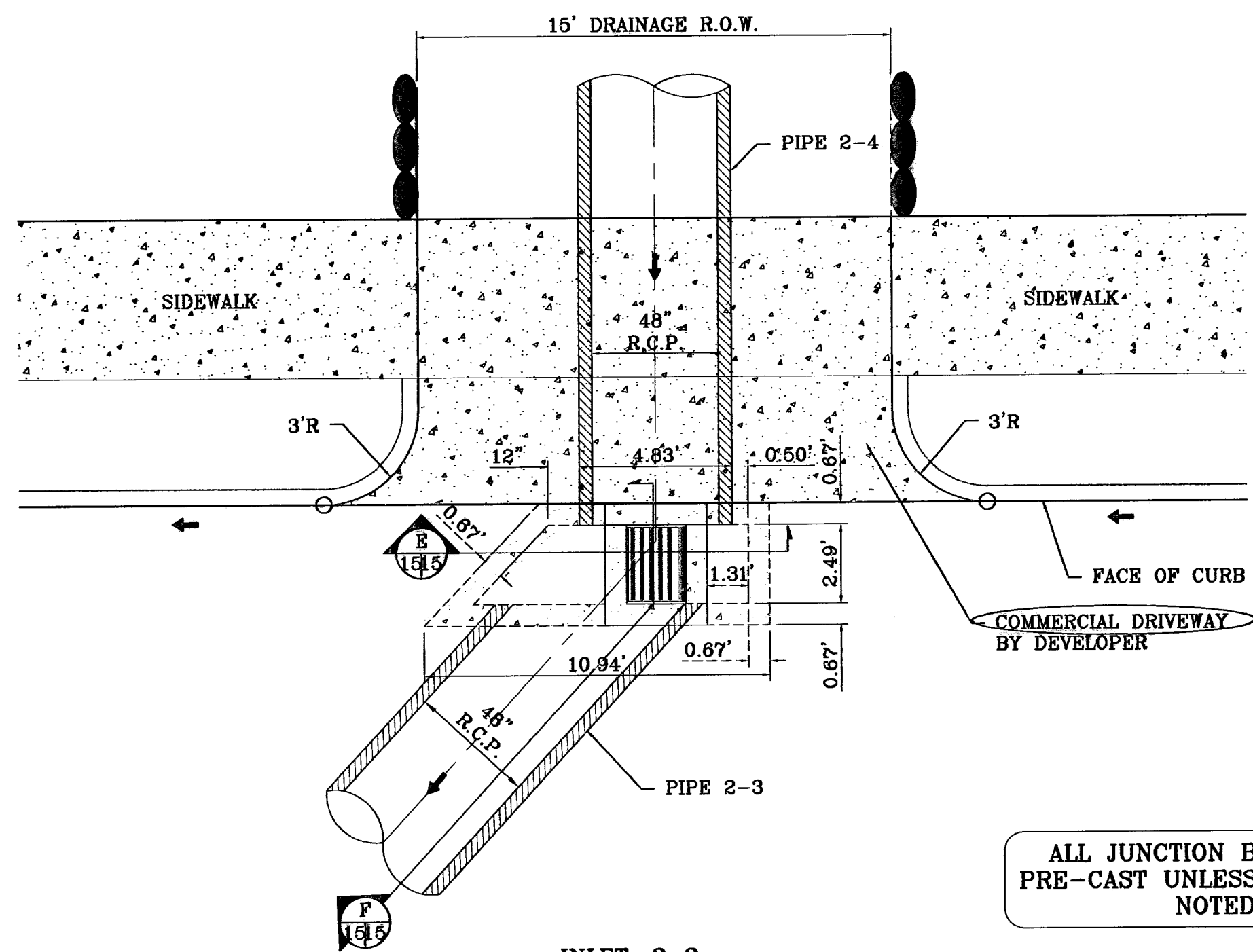
PHONE: (915) 592-0283

FAX: (915) 592-0286

REGISTRATION No. F-2521

SHEET TITLE

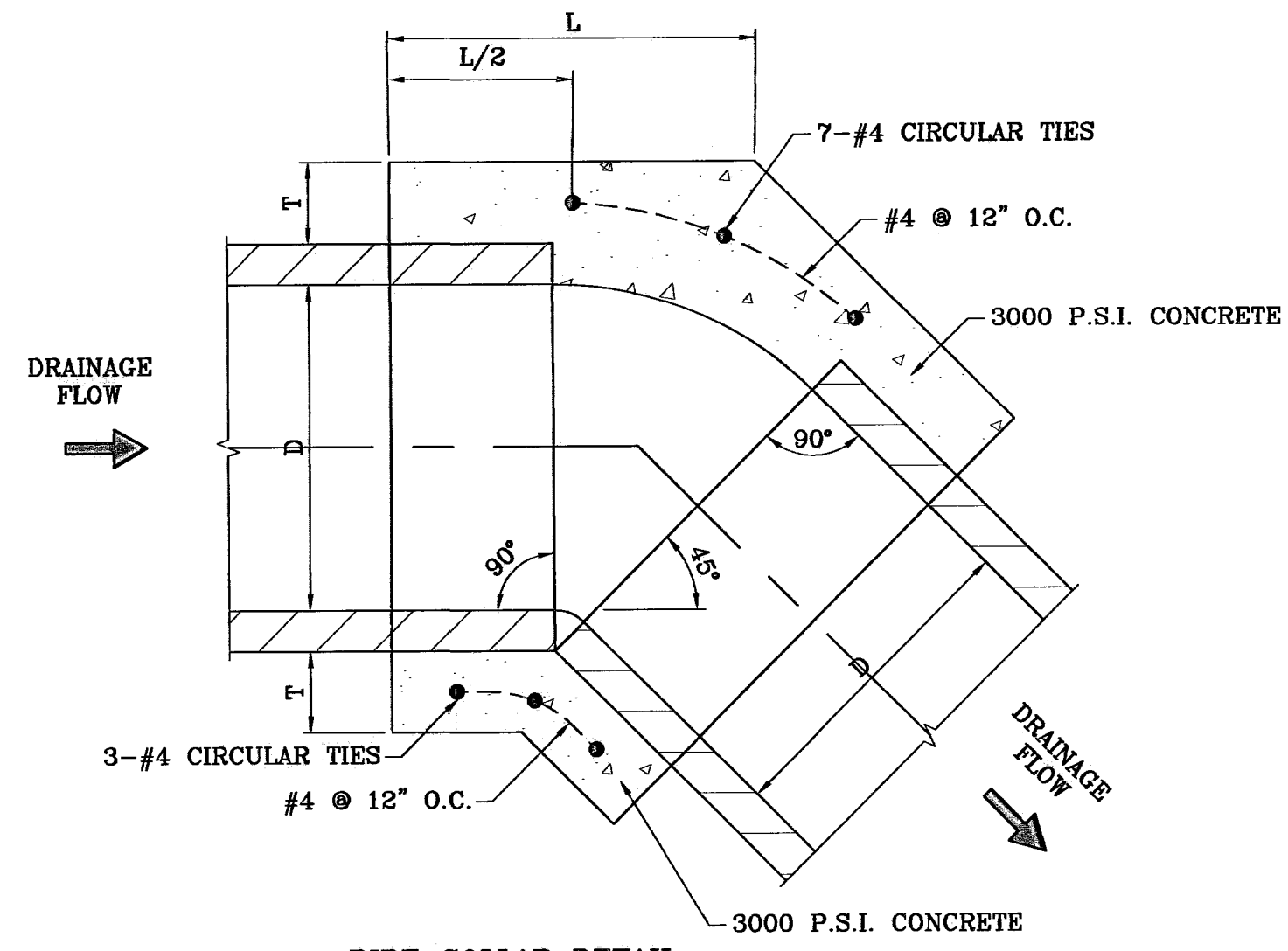
INLETS 1-1 & 2-1 WITH JUNCTION BOX



INLET: 2-2
TYPE III: 1 GRATE
W/ JUNCTION BOX
 SCALE: 1"=4'

ALL JUNCTION BOXES ARE PRE-CAST UNLESS OTHERWISE NOTED

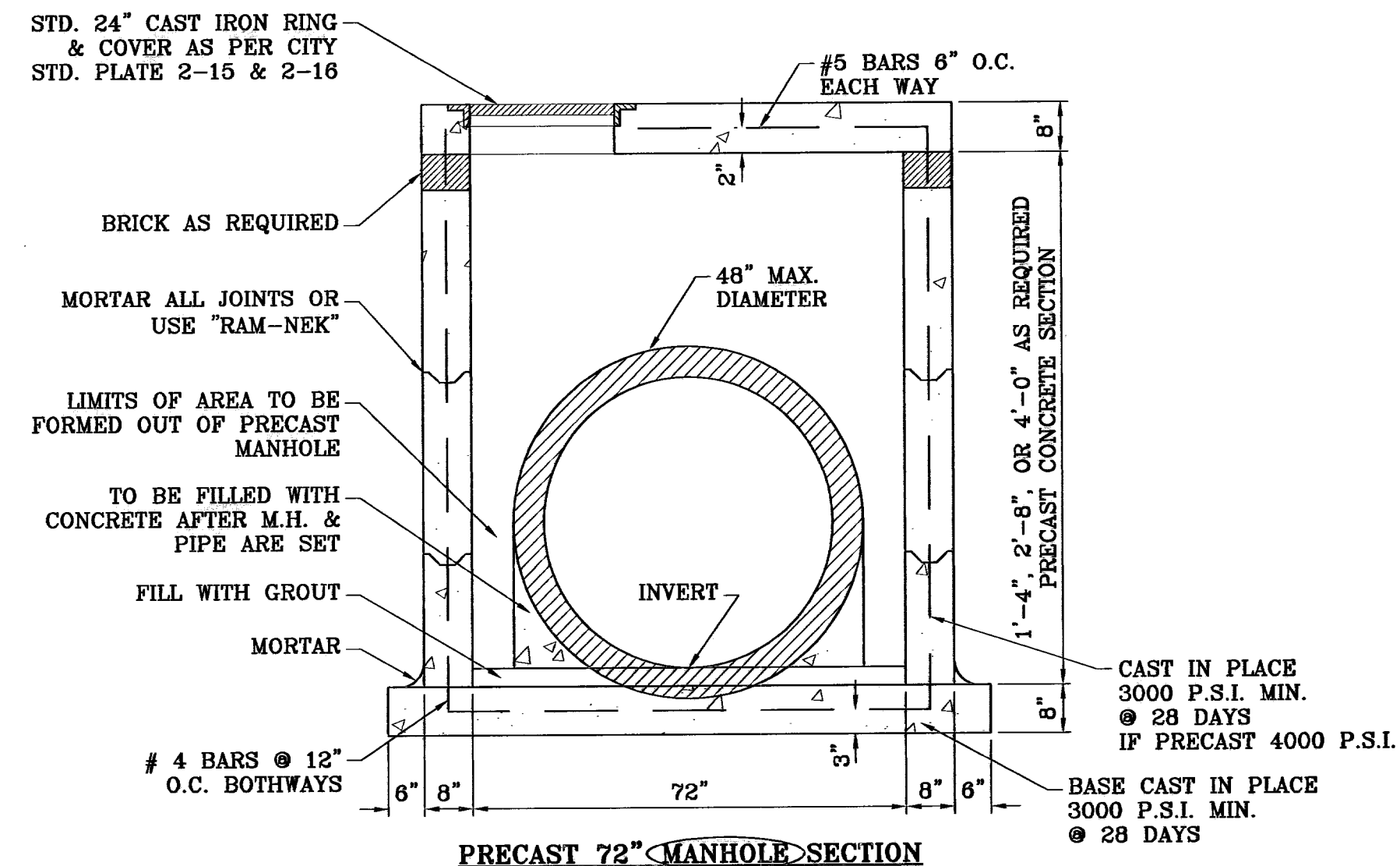
D	L	T
12"	12"	4"
18"	12"	5"
24"	12"	6"
36"	18"	8"
48"	18"	10"
54"	18"	10"
60"	21"	11"
66"	21"	11"



PIPE COLLAR DETAIL
 SCALE: 1"=1'

NOTES:

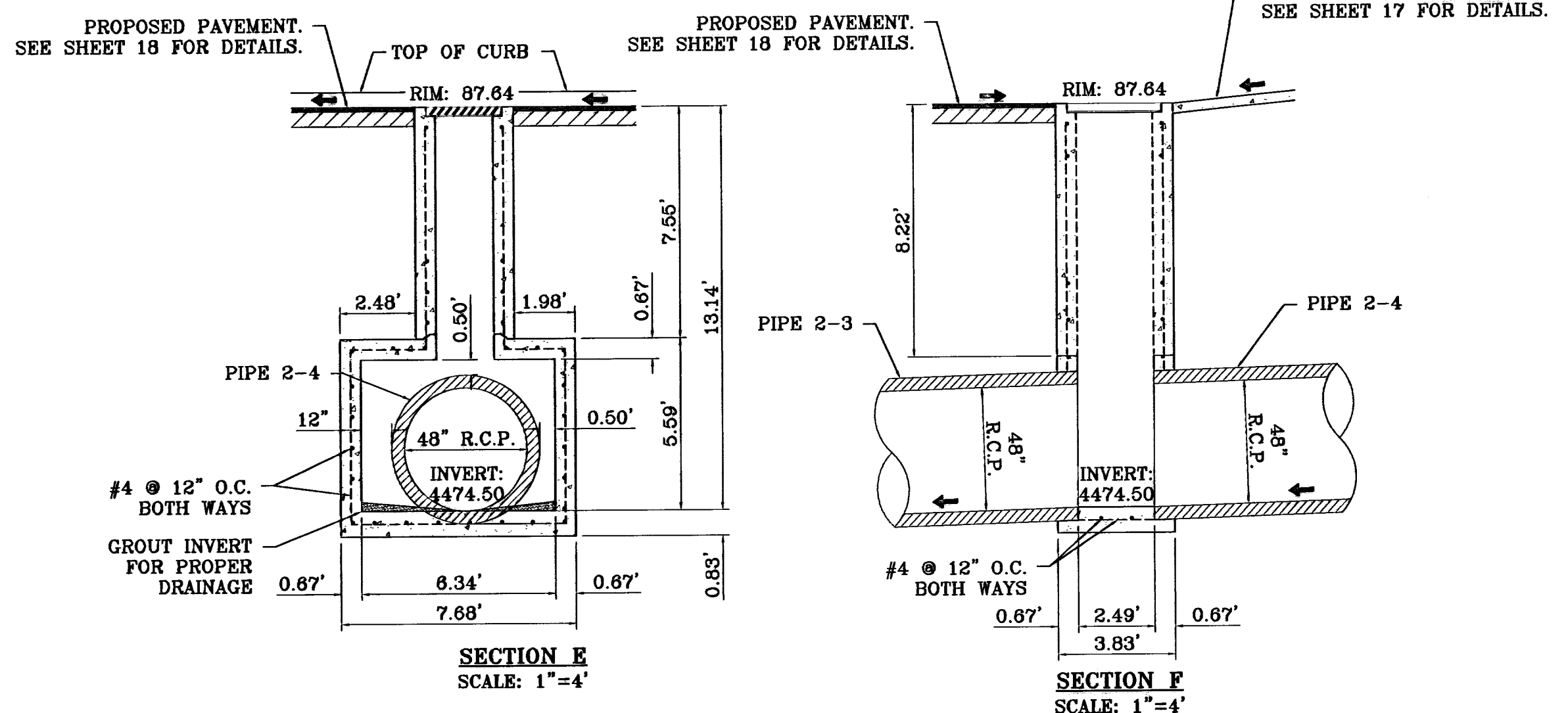
- A CONCRETE COLLAR IS REQUIRED WHERE PIPES CHANGE IN HORIZONTAL OR VERTICAL ALIGNMENT.
- FOR PIPES 24" OR LESS IN DIAMETER, REINFORCE WITH W.W.F.



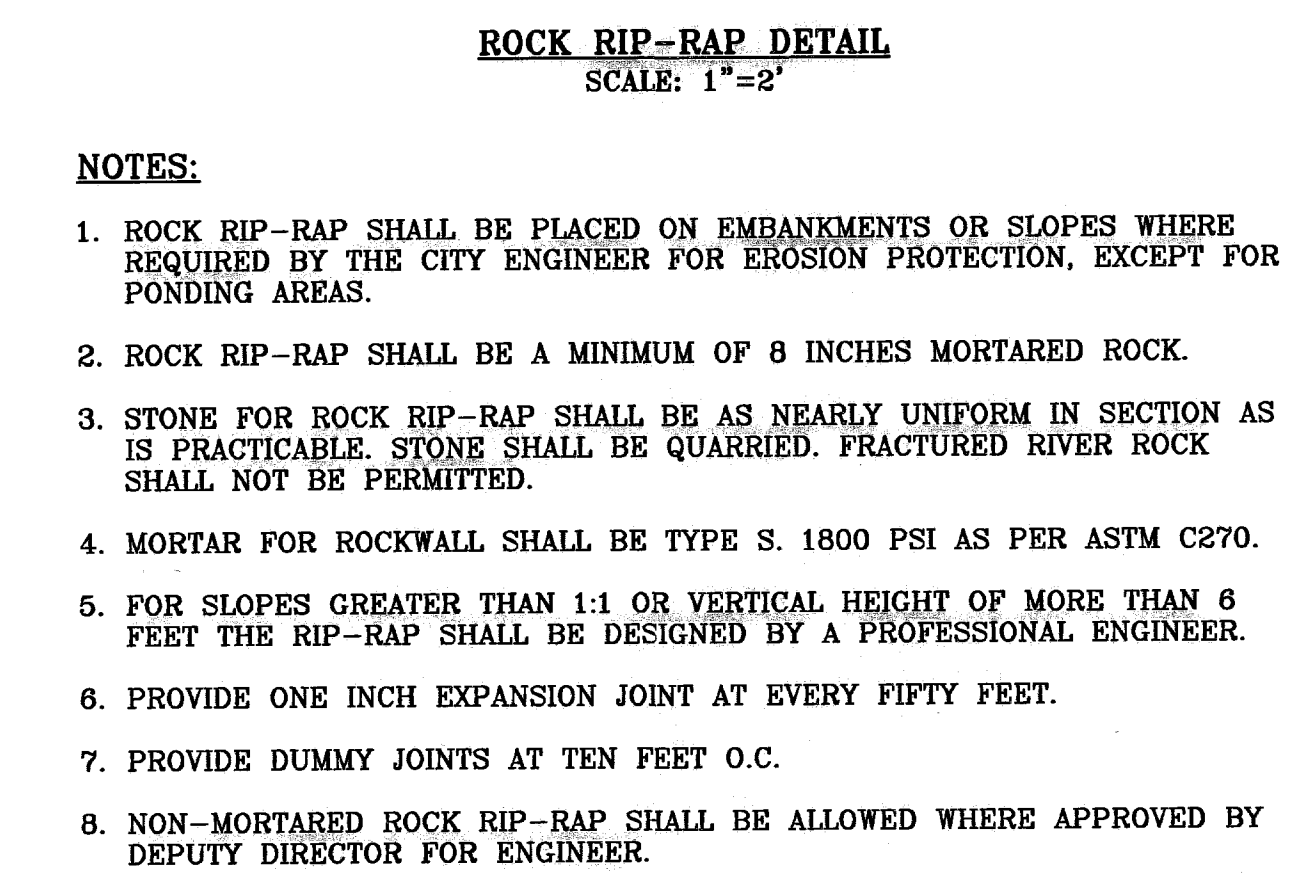
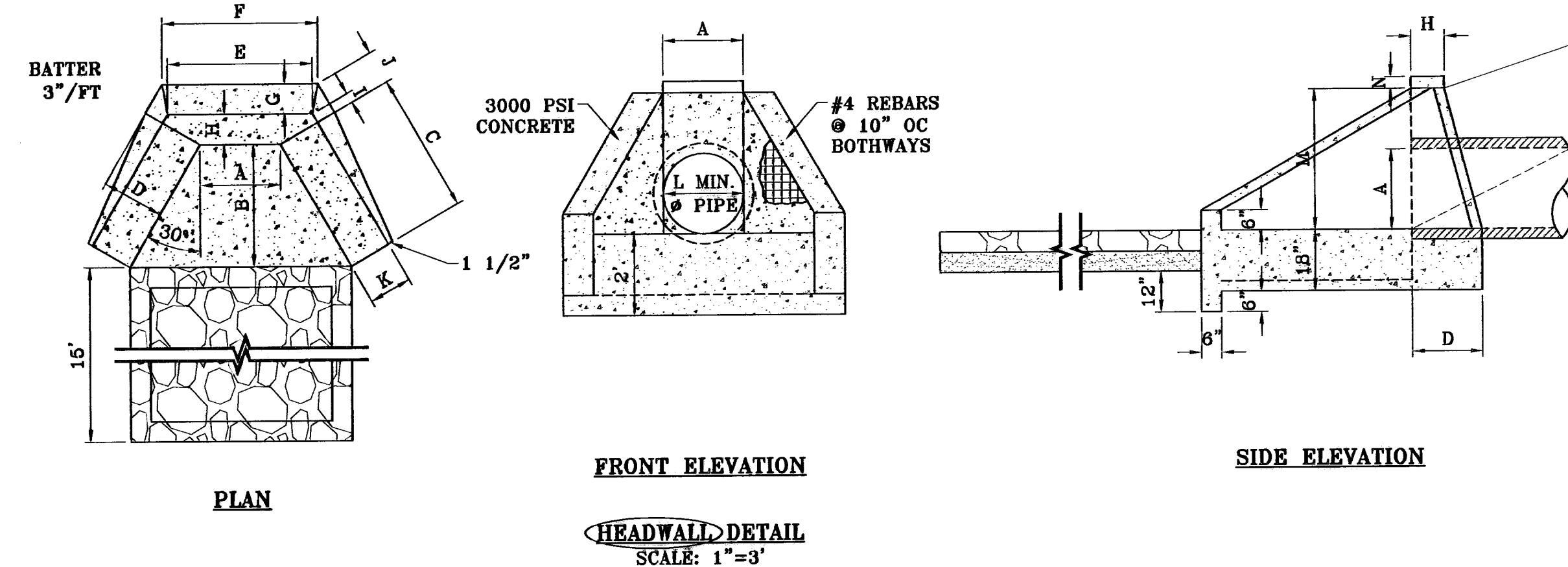
○ DENOTES AS BUILT CONDITION ONLY

GENERAL NOTES:

- CROSS PIPES SHALL CONFORM TO THE REQUIREMENTS OF ASTM A53 (TYPE E OR S, GRADE B), ASTM A500 (GRADE B) OR API 5LX52.
- BOLTS AND NUTS SHALL CONFORM TO ASTM A307. ALL STEEL COMPONENTS, EXCEPT CONCRETE REINFORCING, SHALL BE GALVANIZED AFTER FABRICATION. GALVANIZING DAMAGED DURING TRANSPORT OR CONSTRUCTION SHALL BE REPAIRED IN ACCORDANCE WITH THE SPECIFICATIONS.



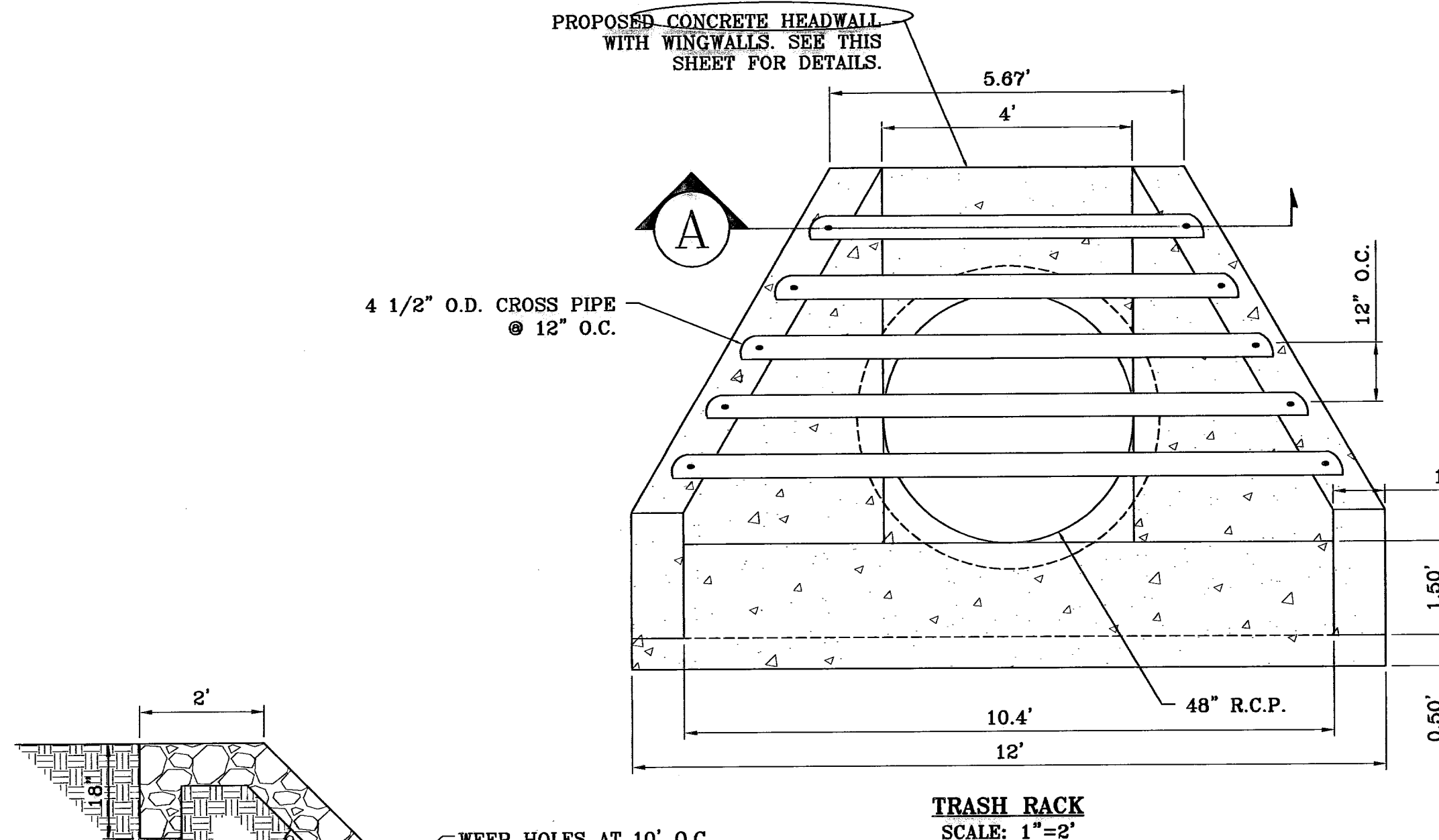
DIA. OF PIPE	A	B	C	D	E	F	G	H	I	J	K	L (MIN.)	M	N
42"	42"	60"	5' 9 1/4"	23 1/2"	4' 5-1/2"	5'- 9"	13-1/2"	10"	5 3/4"	13-1/2"	10	3 1/2"	4" 6"	3 1/2"
48"	48"	66"	6' 4 1/4"	28 1/2"	4' 11-1/2"	6' 5/8"	16-1/2"	10"	5 3/4"	15-1/4"	10	4"	5" 0"	4"



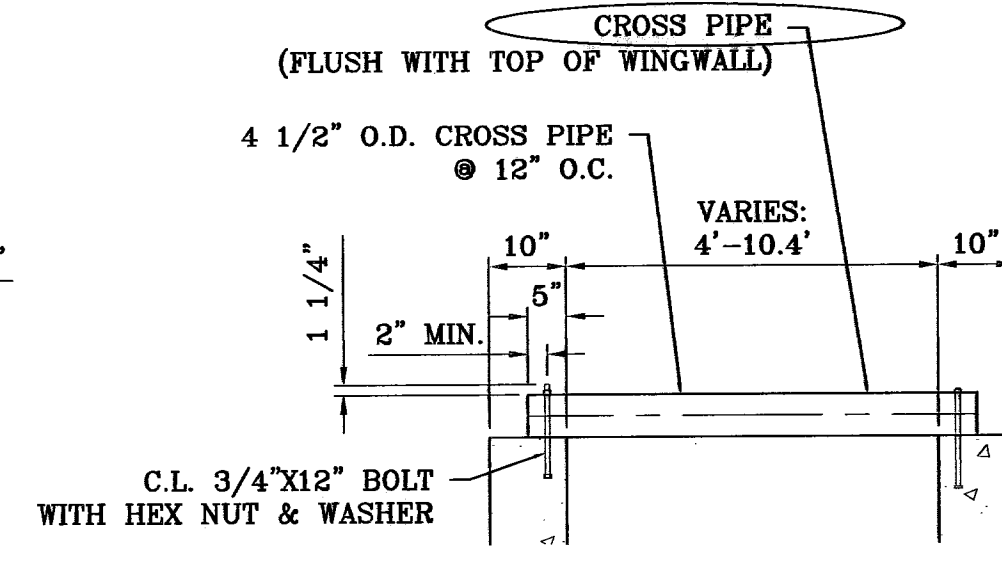
ROCK RIP-RAP DETAIL
 SCALE: 1"=2'

NOTES:

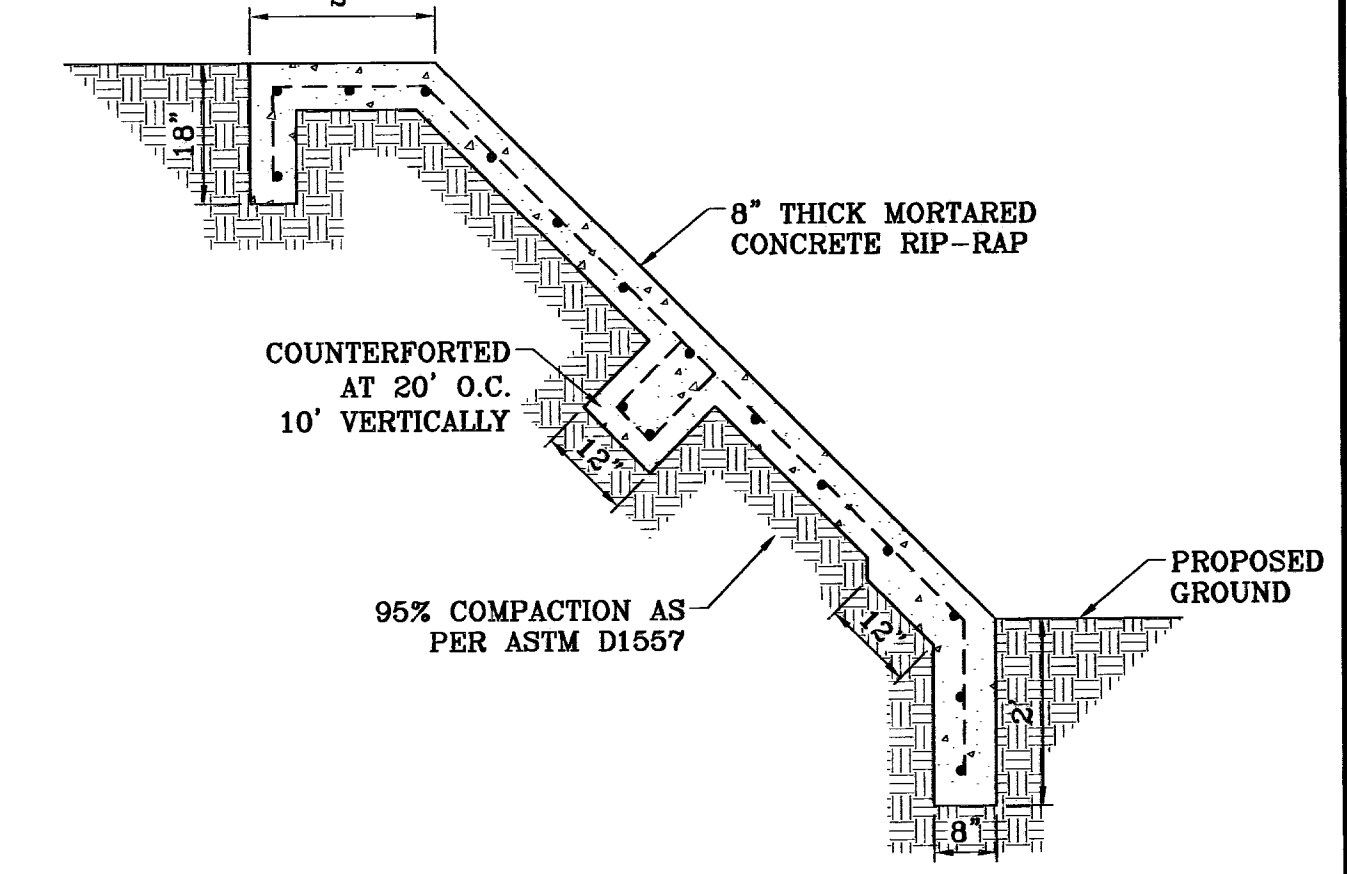
- ROCK RIP-RAP SHALL BE PLACED ON EMBANKMENTS OR SLOPES WHERE REQUIRED BY THE CITY ENGINEER FOR EROSION PROTECTION, EXCEPT FOR PONDING AREAS.
- ROCK RIP-RAP SHALL BE A MINIMUM OF 8 INCHES MORTARED ROCK.
- STONE FOR ROCK RIP-RAP SHALL BE AS NEARLY UNIFORM IN SECTION AS IS PRACTICABLE. STONE SHALL BE QUARRIED. FRACTURED RIVER ROCK SHALL NOT BE PERMITTED.
- MORTAR FOR ROCKWALL SHALL BE TYPE S, 1800 PSI AS PER ASTM C270.
- FOR SLOPES GREATER THAN 1:1 OR VERTICAL HEIGHT OF MORE THAN 6 FEET THE RIP-RAP SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER.
- PROVIDE ONE INCH EXPANSION JOINT AT EVERY FIFTY FEET.
- PROVIDE DUMMY JOINTS AT TEN FEET O.C.
- NON-MORTARED ROCK RIP-RAP SHALL BE ALLOWED WHERE APPROVED BY DEPUTY DIRECTOR FOR ENGINEER.



TRASH RACK
 SCALE: 1"=2'



SECTION A-A
 SCALE: 1"=2'



CONCRETE RIP-RAP DETAIL
 SCALE: 1"=2'

NOTES:

- CONCRETE RIP-RAP SHALL BE PLACED ON EMBANKMENTS OR SLOPES WHERE REQUIRED BY THE CITY ENGINEER FOR EROSION PROTECTION, EXCEPT FOR PONDING AREAS.
- CONCRETE RIP-RAP SHALL BE A MINIMUM OF 4 INCHES CONCRETE.
- CONCRETE TO BE 3000 P.S.I. WITH MINIMUM 6x6#10 W.W.F.
- FOR SLOPES GREATER THAN 1:1 OR VERTICAL HEIGHT OF MORE THAN 6 FEET THE RIP-RAP SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER.
- PROVIDE ONE INCH EXPANSION JOINT AT EVERY FIFTY FEET WITH No. 6 DOWEL AT 18" O.C.
- PROVIDE DUMMY JOINTS AT TEN FEET O.C.

BENCHMARK

CITY MONUMENT 17.23' EAST OF CENTERLINE INTERSECTION OF VIA DE LA PAZ DR. AND LOS PUEBLOS DR.
 ELEVATION 4443.71

DATE: 04/14/10
 CITY: EL PASO, TEXAS
 PROJECT: CHAPARRAL PARK UNIT FORTY FOUR

REVISIONS

BY: J.C.
 DATE: 05/03/10
 CITY: EL PASO, TEXAS
 PROJECT: CHAPARRAL PARK UNIT FORTY FOUR

COMMENTS

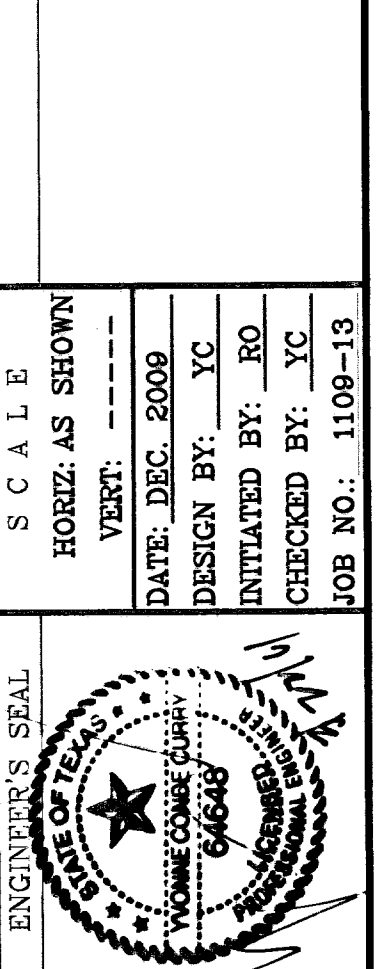
BY: J.C.
 DATE: 05/06/10
 CITY: EL PASO, TEXAS
 PROJECT: CHAPARRAL PARK UNIT FORTY FOUR

AS BUILT

PROJECT NAME
CHAPARRAL PARK UNIT FORTY FOUR

SCALE
 HORIZ. AS SHOWN
 VERT. ---

DATE: DEC. 2009
 DESIGN BY: J.C.
 INITIATED BY: J.C.
 CHECKED BY: J.C.
 JOB NO.: 1109-13

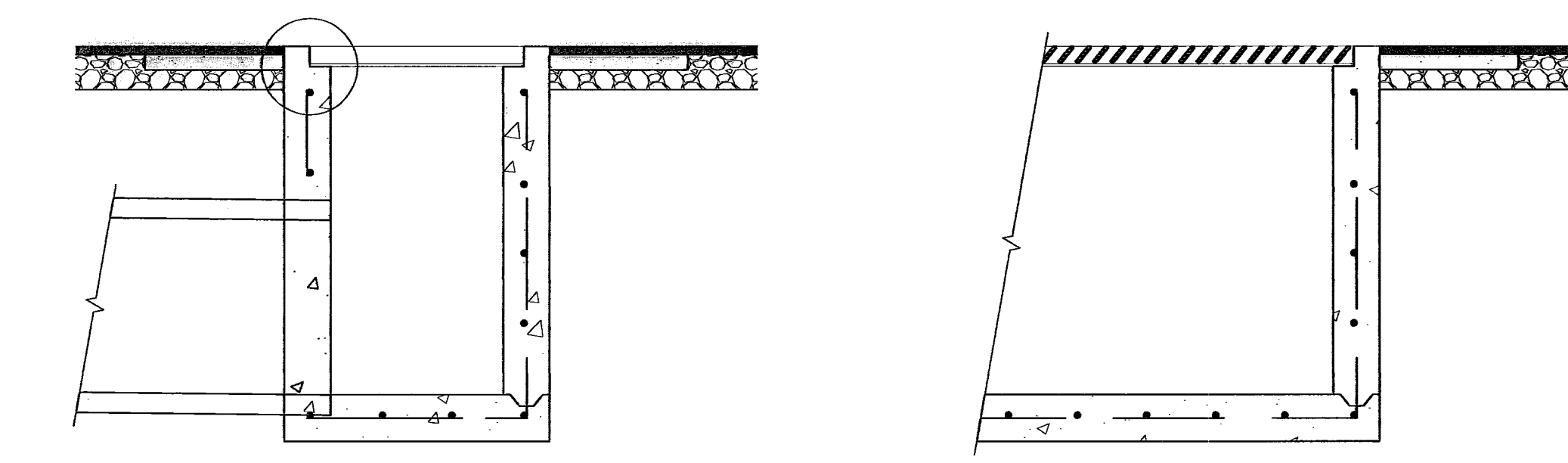
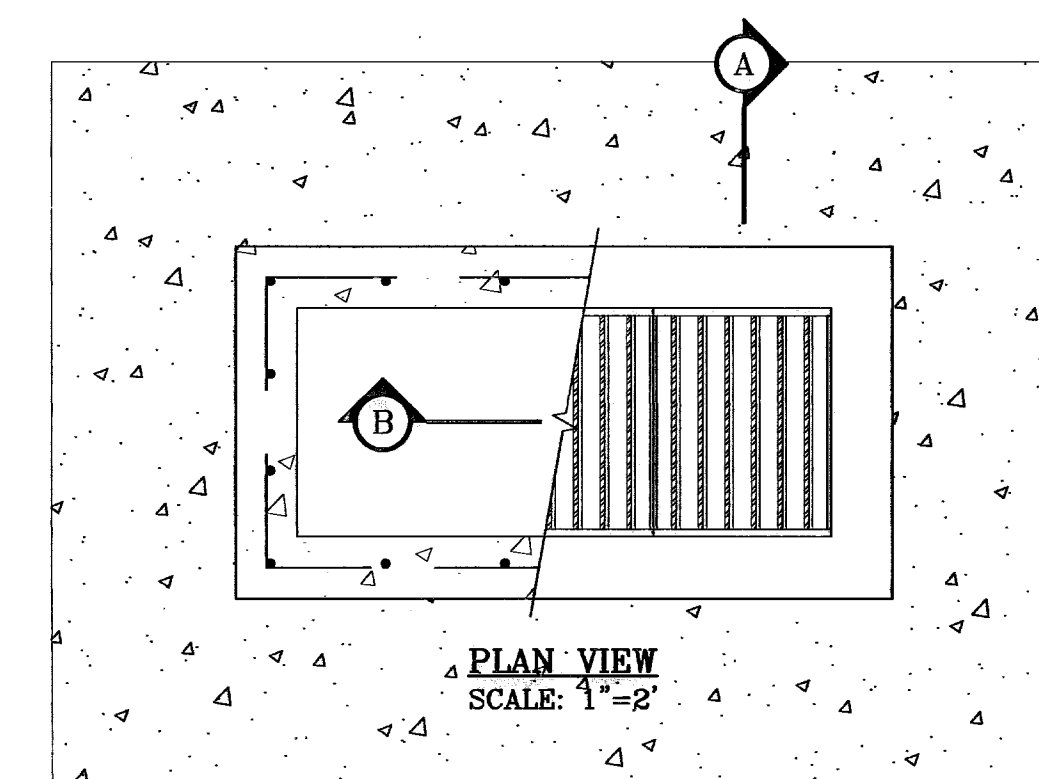
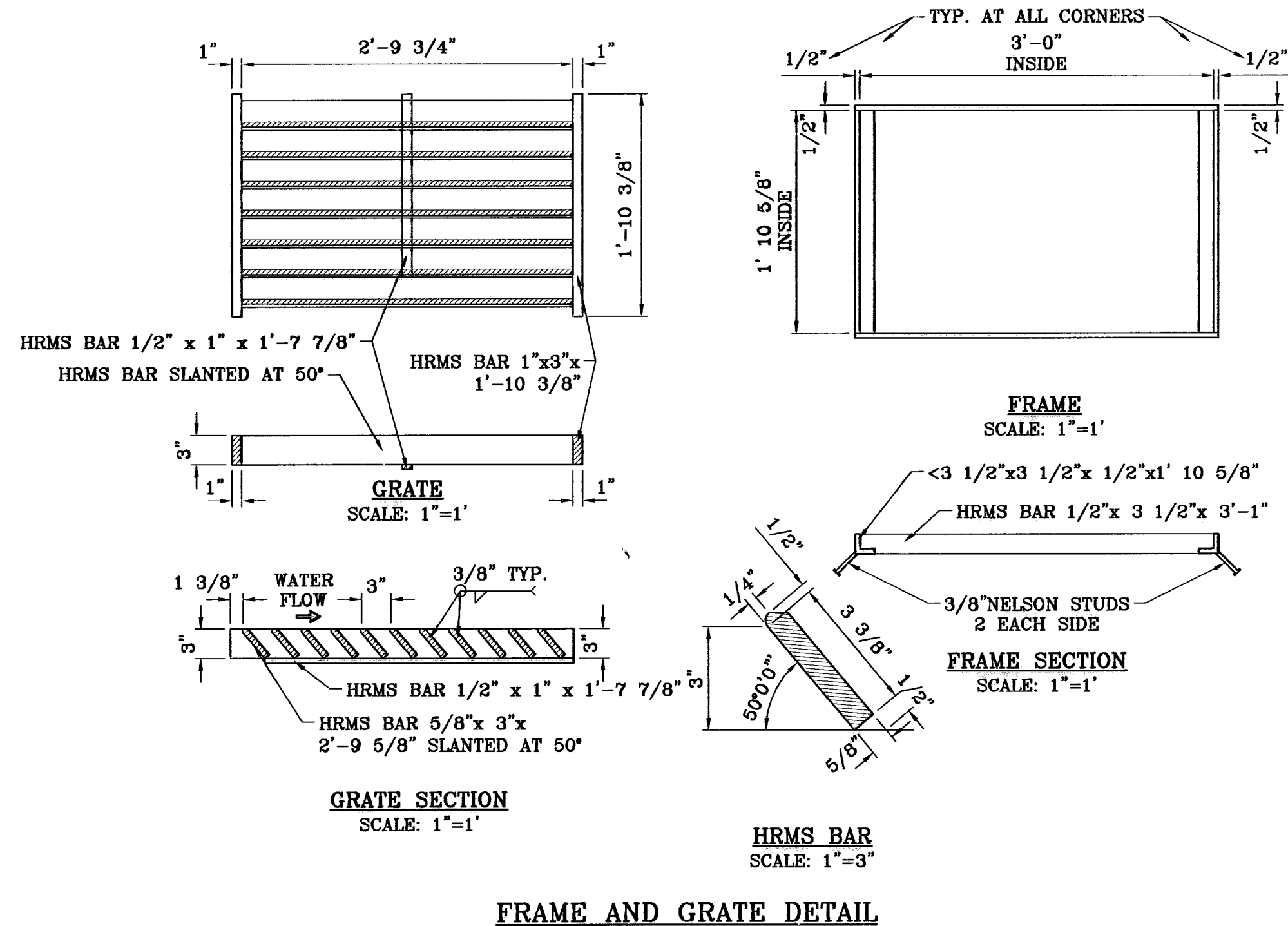
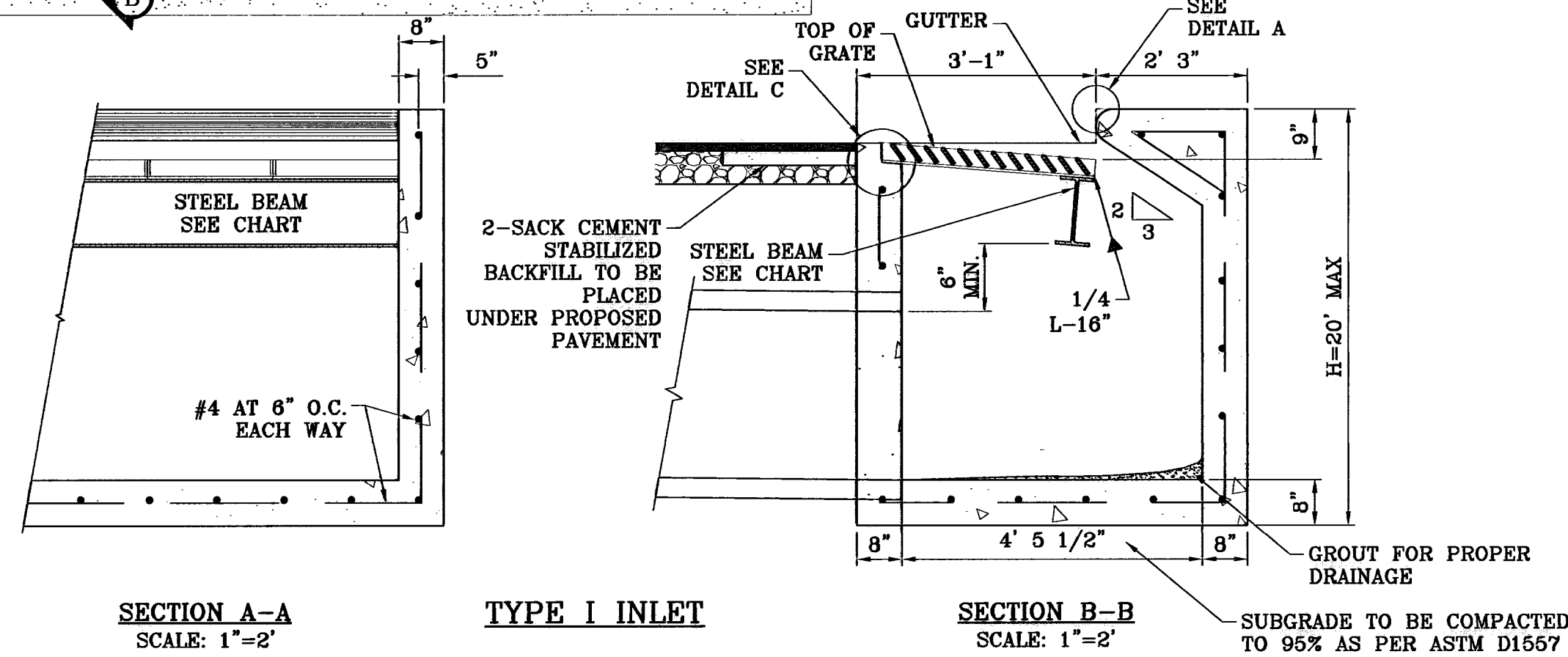
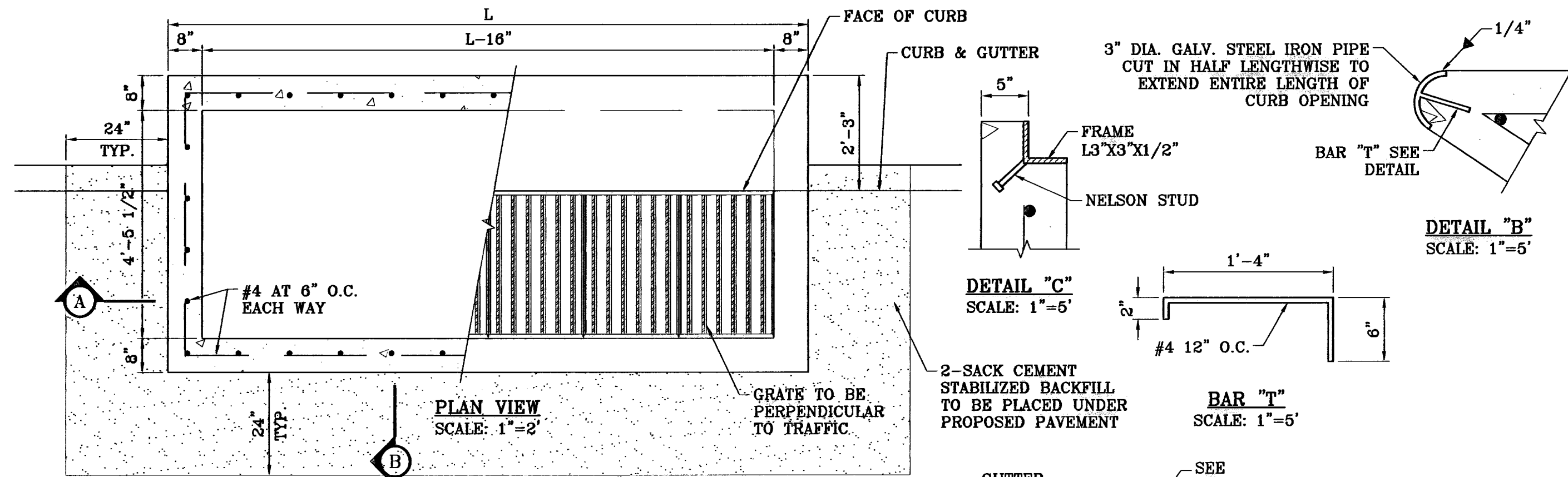


CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6080 SURETY DR. STE 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286



SHEET TITLE
INLET 2-2 WITH JUNCTION BOX AND STRUCTURE DETAILS

No. OF GRATES	L		MINIMUM SIZES
	L	LENGTH	
1	3'-2 5/8"	2'-10"	W6x12, S4x13, MC6x8.2
2	5'-1 1/8"	4'-7 1/8"	W6x12, S6x12.5, MC6x15.1
3	7'-0 1/4"	6'-5 1/8"	W8x15, S7x15.3, MC7x17.6
4	8'-9 7/8"	8'-3 7/8"	W9x18, S8x18.4, MC10x21.9
5	10'-8"	10'-2"	W12x16, S8x21, MC10x21.9
6	12'-6 5/8"	12'-0 5/8"	W12x19, S8x23, MC10x25



- GENERAL NOTES:**
- CONCRETE TO BE 3000 P.S.I. MINIMUM CORE TEST AT 28 DAYS.
 - WELDED STEEL OR CAST GRATES AS DETAILED ARE ALL ACCEPTABLE GRATES. MIXING OF ALTERNATES TYPES OF GRATES ON THE SAME PROJECT WILL BE PERMITTED WITH THE APPROVAL OF THE CITY ENGINEER.
 - ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CURRENT STANDARD SPECIFICATIONS.
 - SHARP EDGES RESULTING FROM FABRICATION SHALL BE DULLED ONLY BY ACCEPTABLE METHODS FOR SAFETY.
 - GRATES SHALL BE INSTALLED IN FRAME WITH FLOW ARROW POINTING DOWNSTREAM OR TOWARD THE LOW POINT IN A SUMP.
 - WELDED GRATES SHALL BE STRUCTURAL STEEL CONFORMING TO THE REQUIREMENTS OF AASHTO M-183 OR OF CORROSION RESISTANT STRUCTURAL STEEL CONFORMING TO THE REQUIREMENTS OF AASHTO M-181 OR M-222 OR BE MADE OF OTHER APPROVED STEELS OF EQUAL QUALITY. MIXING OF GRADES OF STEEL ON THE SAME GRATE WILL NOT BE PERMITTED.
 - GRATES MADE OF M-183 STEEL SHALL BE GALVANIZED IN ACCORDANCE WITH AASHTO M-111 SPECIFICATIONS OR SHALL BE PAINTED WITH INORGANIC ZINC PAINTS, MEETING THE REQUIREMENTS OF CURRENT STANDARD SPECIFICATIONS.
 - ALL WELDS SHALL BE A MINIMUM OF 1/4 INCH FILLED AND SHALL CONFORM TO THE SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND TO THE AWS STRUCTURAL WELDING CODES. ELECTRODES SHALL BE COMPATIBLE TO THE DIFFERENT GRADES OF STEEL THAT COMPRISE THE GRATE MEMBERS.
 - CAST GRATES SHALL BE CAST STEEL CONFORMING TO THE REQUIREMENTS OF AASHTO M-103, GRADE 65-35 OR OF DUCTILE IRON CONFORMING TO THE REQUIREMENTS OF ASTM A-536, SPECIAL GRADES 60-45, OR OF GRAY IRON CONFORMING TO THE REQUIREMENTS OF AASHTO M-105, CLASS 35B OR ASTM A-48 CLASS 35B, THIS SPECIFICATION OF GENERAL APPLICATION FOR CAST STEEL GRATES SHALL BE AASHTO M-103, SCOPE 121, GRADE N-1.
 - FERROUS CASTINGS SHALL BE OF UNIFORM QUALITY FREE OF BLOW-HOLES, POROSITY, HARD SPOTS, SHRINKAGE DISTORTION OR OTHER DEFECTS. THEY SHALL BE SMOOTH AND WELL CLEANED BY SHOT BLASTING OR OTHER APPROVED CLEANING METHOD. AFTER CLEANING THEY SHALL BE COATED WITH ASPHALT BASE PAINT RESULTING IN A SMOOTH COATING, TOUGH AND TENACIOUS WHEN COLD, NOT TACKY, NOT BRITTLE.
 - ALL CASTING SHALL BE MANUFACTURED TRUE TO PATTERN. COMPONENT PARTS SHALL FIT TOGETHER IN A SATISFACTORY MANNER.
 - GRATE WILL BE DEPRESSED 1 INCH BELOW PROPOSED OR EXISTING GRADE.
 - TWO 1/2 INCH X 4 INCH LONG CONCRETE ANCHOR STUDS REQUIRED FOR EACH SIDE OF FRAME, WHERE FRAME IS RESTING ON CONCRETE, USE NELSON STUDS OR EQUAL.
 - THE GRATES OF ALL INLETS WITHIN THE STREET PAVEMENT MUST BE CONSTRUCTED WITH THE GRATE BARS PERPENDICULAR TO THE CURB.
 - CHAMFER ALL EXPOSED EDGES 3/4 INCH. ALL DIMENSIONS RELATING TO REINFORCING STEEL ARE TO CENTER OF BARS.
 - ALL CONCRETE TO BE 3000 P.S.I. MINIMUM CONCRETE COVER SHALL BE 2 INCH FOR STEEL REINFORCING.
 - EXPANSION MATERIAL TO BE 1/2 INCH BITUMINOUS FIBER AND BE PLACED WHERE PROPOSED CONCRETE COMES IN CONTACT WITH ANY EXISTING OR PROPOSED CONCRETE OR MASONRY STRUCTURE.
 - STRUCTURAL STEEL SHALL BE SHOP PAINTED IN ACCORDANCE WITH T.H.D. ITEM 446 "PAINT AND PAINTING".
 - ALL REINFORCING BARS TO BE #4 BARS AT 8" O.C. GRADE 60. BEND BARS AROUND PIPE OPENINGS.
 - SURFACE OF ALL EXPOSED CONCRETE SHALL CONFORM IN SLOPED AND GRADE TO EXISTING OR PROPOSED CURB AND WALK ADJACENT TO INLETS.
 - INLETS TO BE DESIGNATED IN PLANS BY NUMBER OF GRATES REQUIRED.
 - LOCATION OF SEWER PIPES SHOWN ELSEWHERE IN PLANS.

No. OF GRATES	L
2	5'-1 1/8"
3	7'-0 1/8"
4	8'-9 7/8"
5	10'-8"

BENCHMARK
CITY MONUMENT 17.23' EAST OF CENTERLINE INTERSECTION OF VIA DE LA PAZ DR. AND LOS PUEBLOS DR. ELEVATION 4443.71
DATE 04/14/10
REVISIONS
BY
CITY REVISIONS AS PER 04/06/10 COMMENTS E.P.G.

PROJECT NAME
CHAPARRAL PARK UNIT FORTY FOUR
BEING A PORTION OF TRACT 1B, H. C. FOSTER, SURVEY NO. 288, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 13.176 ACRES

SCALE
HORIZ. AS NOTED
VERT. ---
DATE: DEC. 2009
DESIGN BY: JC
INITIATED BY: RO
CHECKED BY: JC
JOB NO.: 1109-13

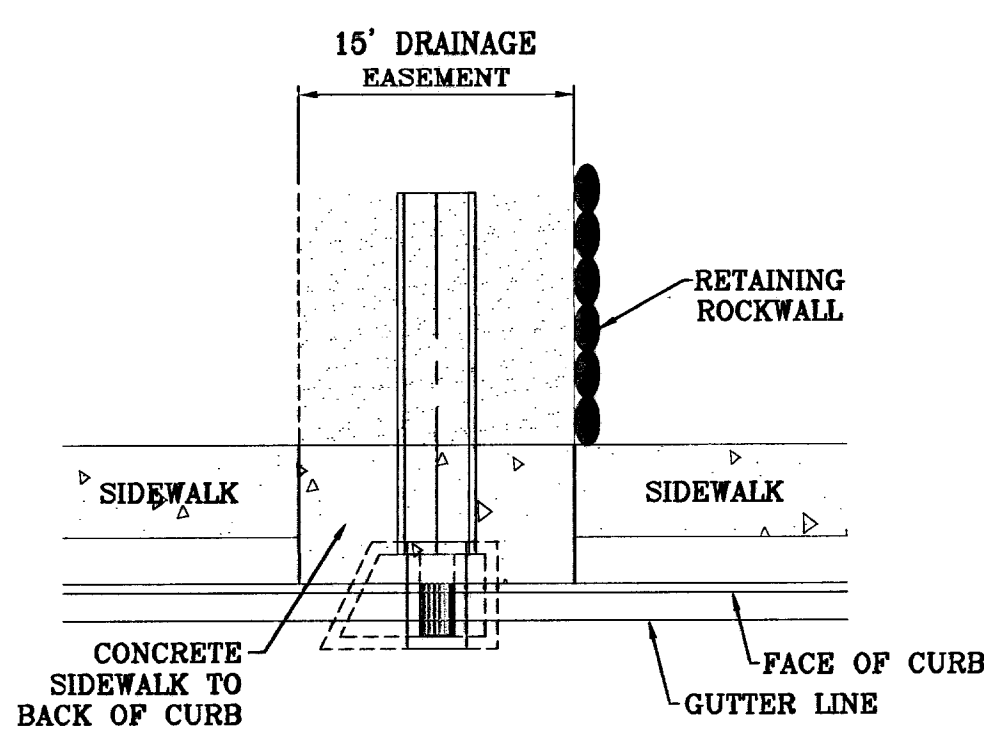
ENGINEER'S SEAL
ENGINEER'S SEAL NOT REQUIRED. THIS SHEET IS UNCONTROLLED RECORD SUBDIVISION DESIGN STANDARDS

CONDE INC.
ENGINEERING / PLANNING SURVEYING / GPS
6040 STREET DR. STE. 100
EL PASO, TEXAS 79905
PHONE: (915) 592-0245
FAX: (915) 592-0246

SHEET TITLE
STRUCTURE DETAILS

SHT 16 OF 26

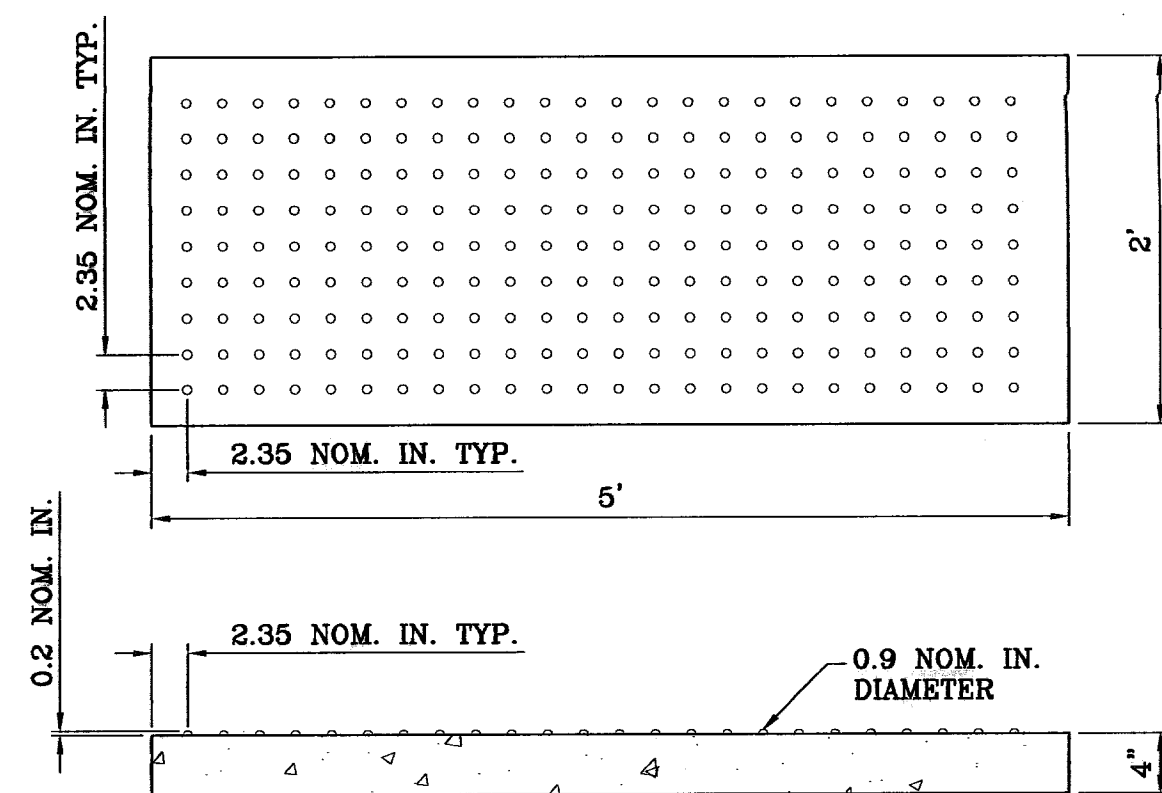
600827



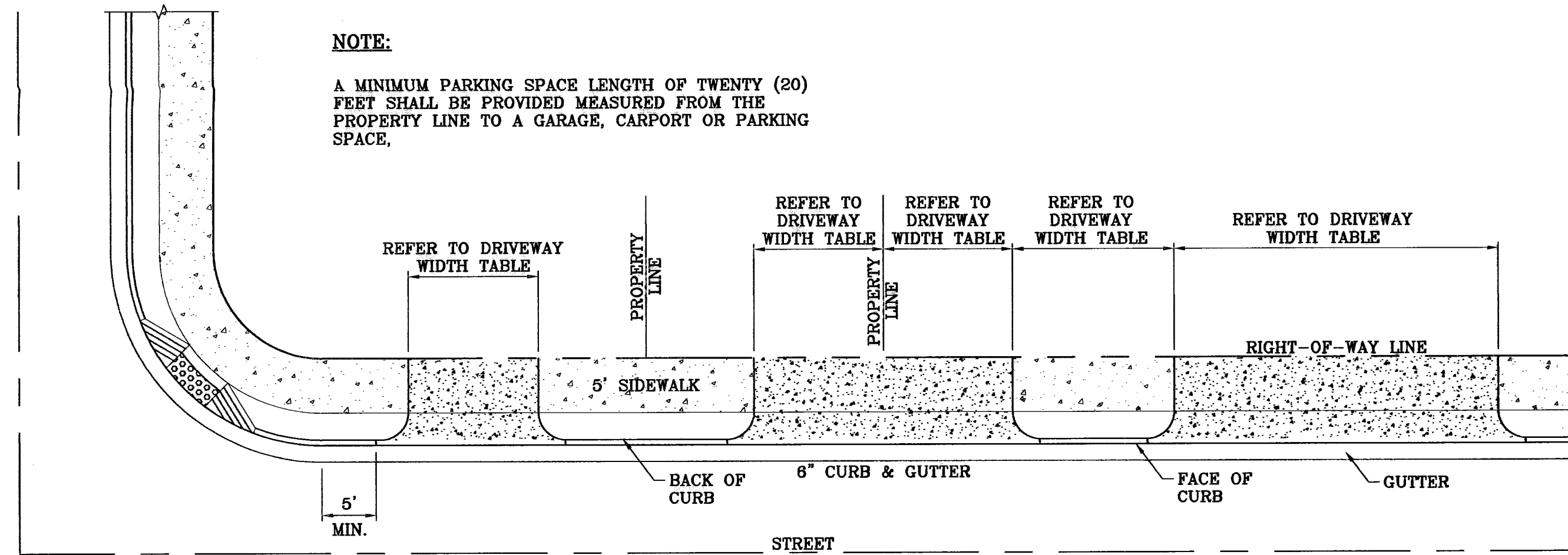
CONCRETE PARKWAY DETAIL
SCALE: 1"=10'

TRUNCATED DOMES TO BE CAST IN PLACE POLYMER COMPOSITE TILE SYSTEM, ADA CERTIFIED "ARMOR TILE" TACTILE SYSTEMS OR APPROVED EQUAL

ALL A.D.A. WHEELCHAIR RAMPS BY DEVELOPER

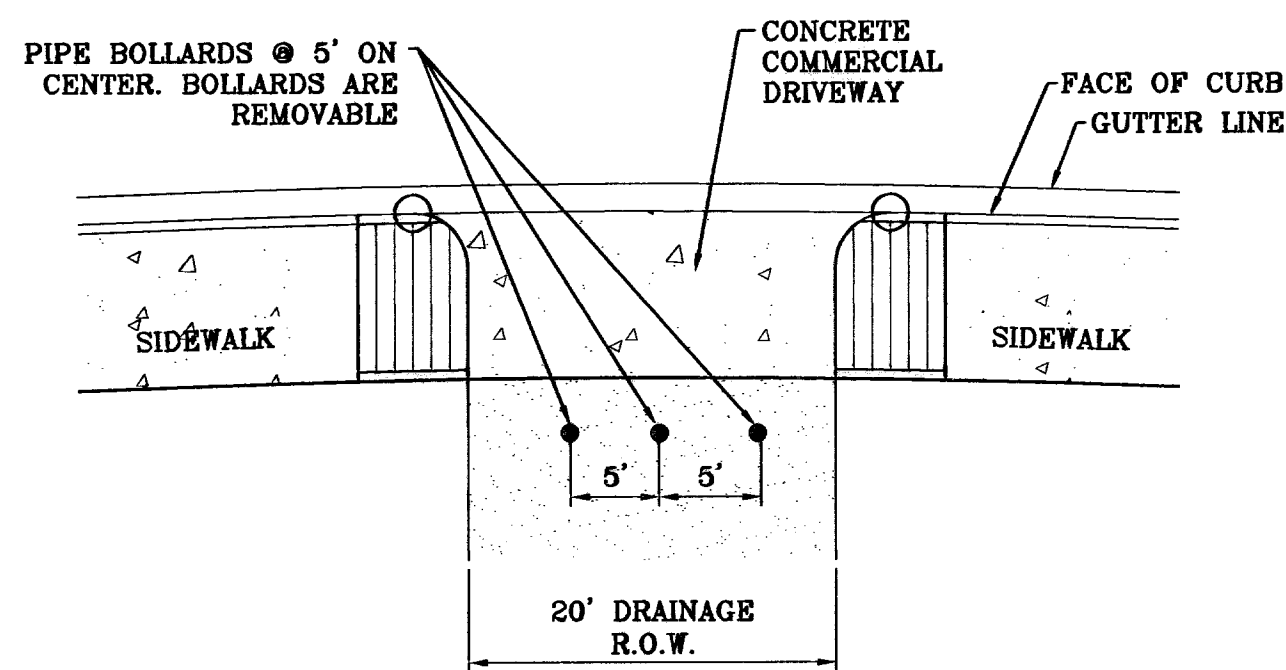


TRUNCATED DOMES
SCALE: 1"=1'

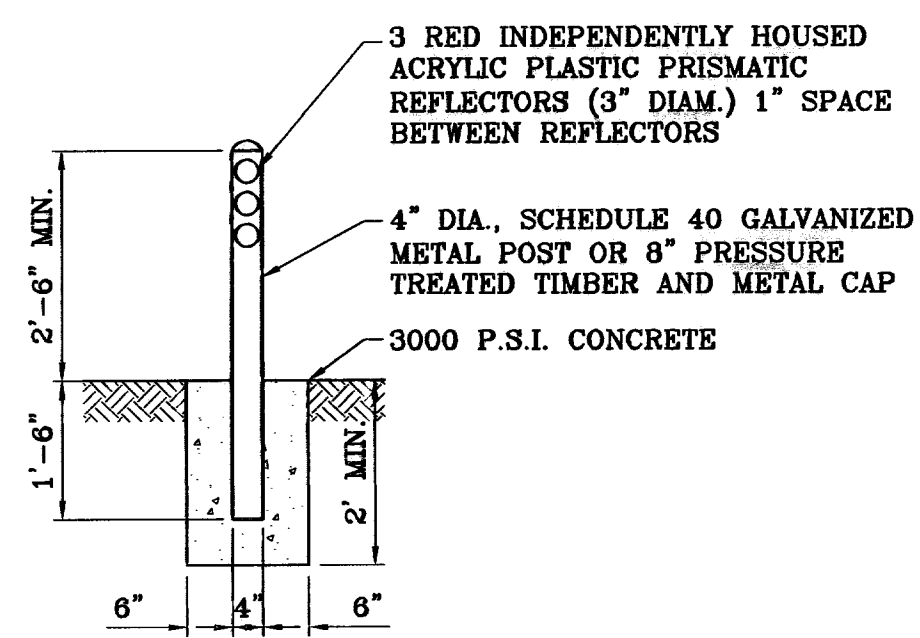


TYPICAL RESIDENTIAL DRIVEWAY WITH CURB & GUTTER
SCALE: 1"=10'

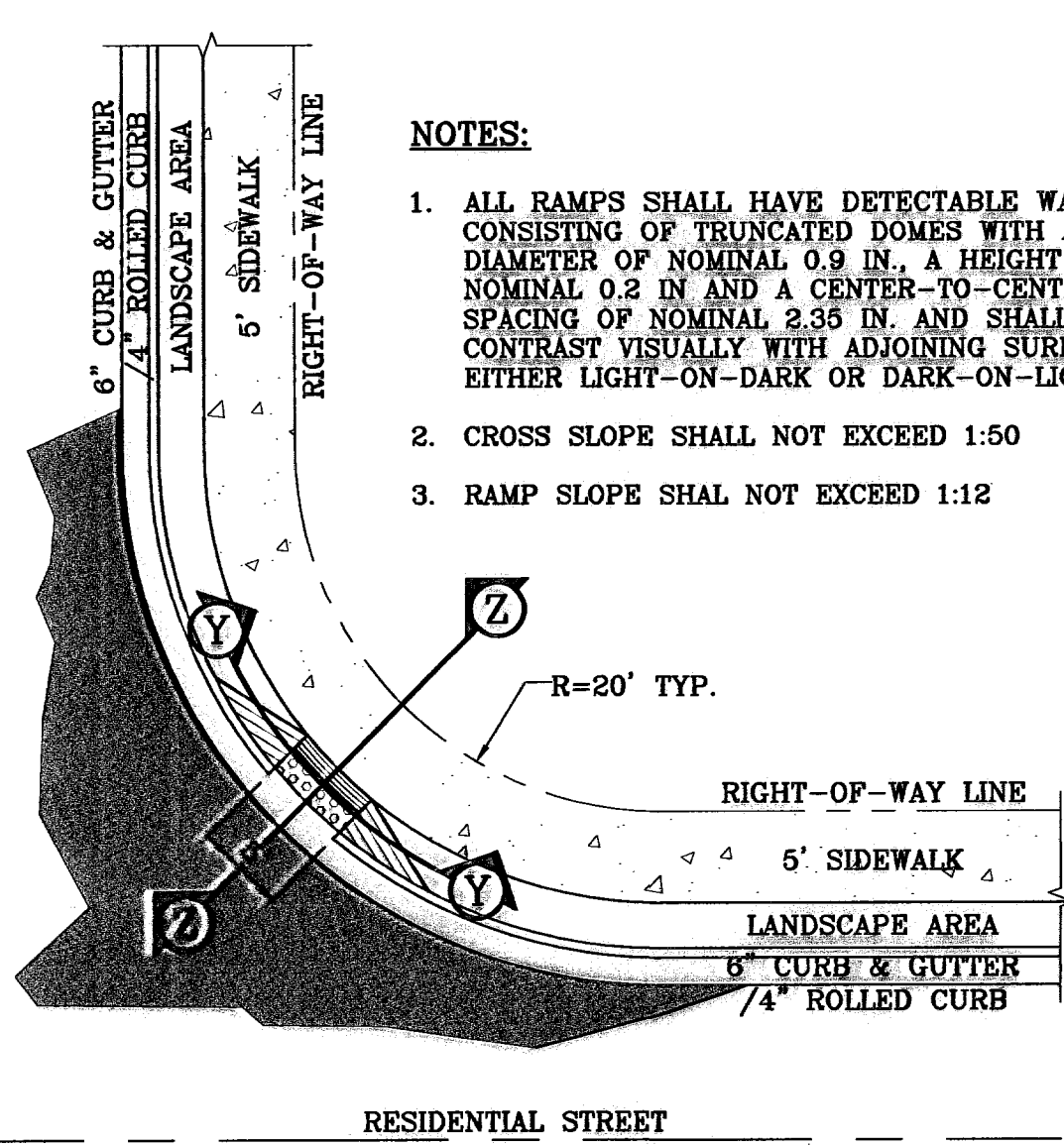
NOTE:
A MINIMUM PARKING SPACE LENGTH OF TWENTY (20) FEET SHALL BE PROVIDED MEASURED FROM THE PROPERTY LINE TO A GARAGE, CARPORT OR PARKING SPACE.



PIPE BOLLARD DETAIL
SCALE: 1"=10'

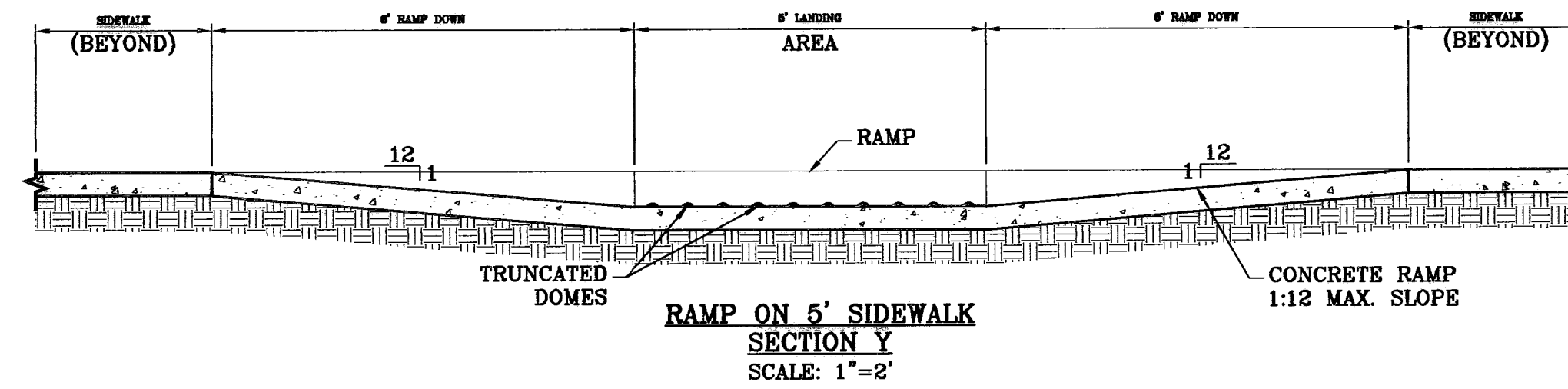


BOLLARD DETAIL
SCALE: 1"=2'

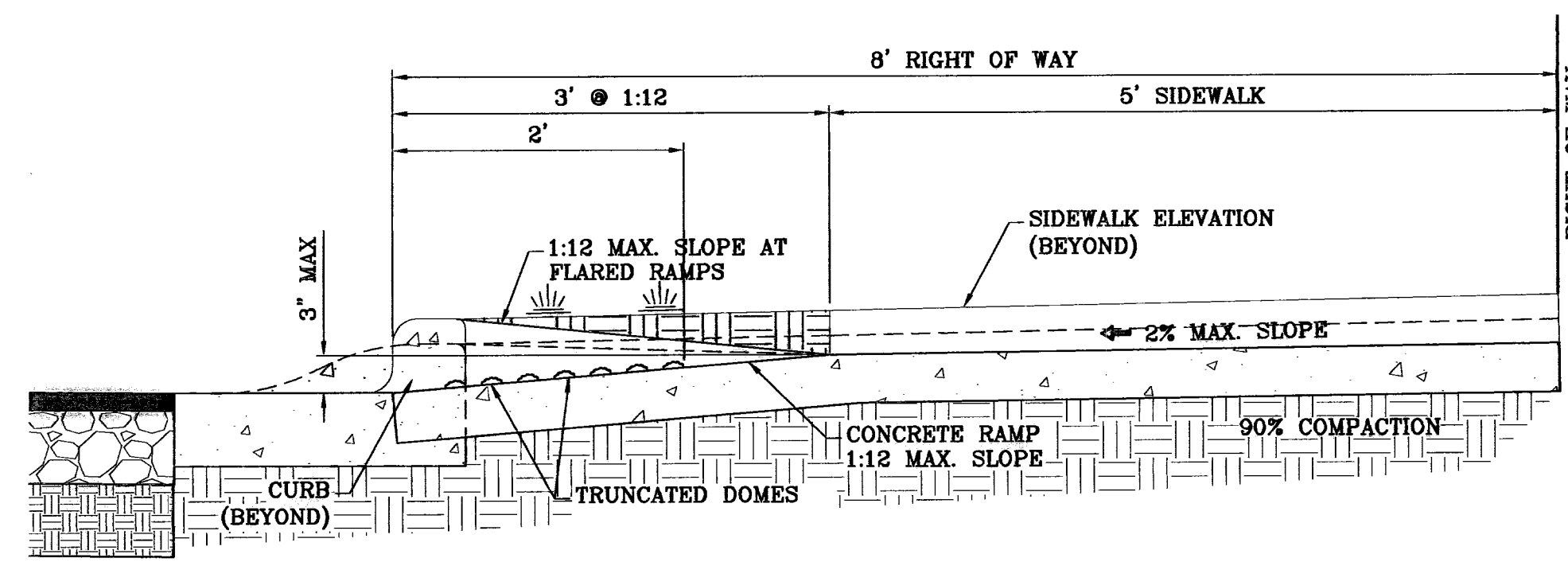


RAMP ON SIDEWALK AT CURB & GUTTER/ROLLED CURB
SCALE: 1"=10'

- NOTES:**
1. ALL RAMPS SHALL HAVE DETECTABLE WARNINGS CONSISTING OF TRUNCATED DOMES WITH A DIAMETER OF NOMINAL 0.9 IN. A HEIGHT OF NOMINAL 2.35 IN. AND SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES, EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT.
 2. CROSS SLOPE SHALL NOT EXCEED 1:50
 3. RAMP SLOPE SHALL NOT EXCEED 1:12



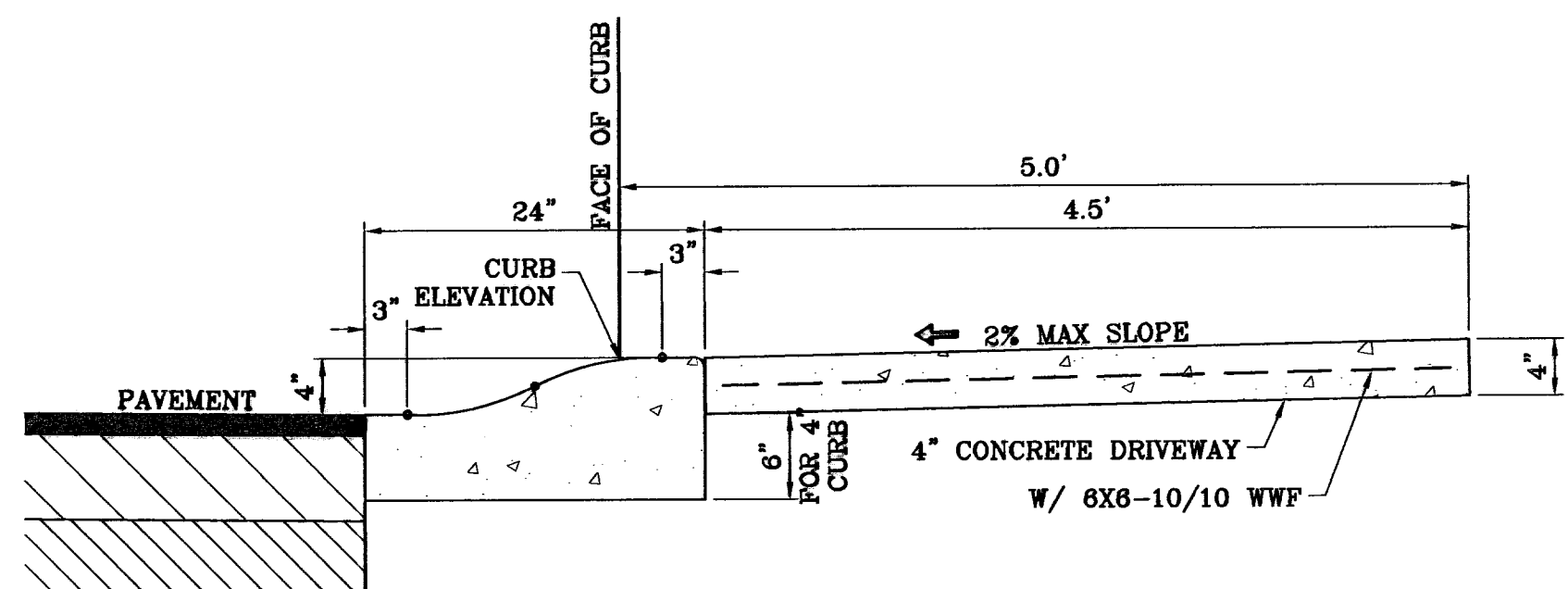
RAMP ON 5' SIDEWALK SECTION Y
SCALE: 1"=2'



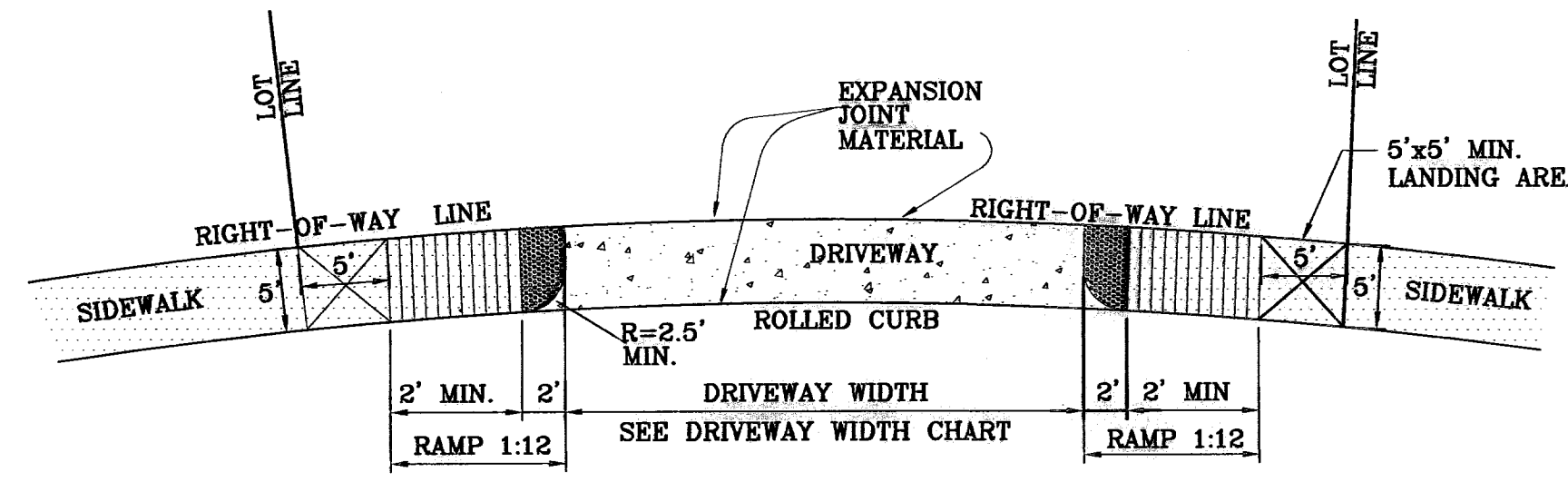
TYPICAL WHEELCHAIR RAMP AT 4" ROLLED CURB/8" CURB & GUTTER SECTION Z
SCALE: 1"=1'

- NOTES:**
1. CONCRETE SHALL BE 3000 P.S.I. MINIMUM.
 2. DUMMY JOINTS REQUIRED AT 10' O.C. FOR CURB/GUTTER AND 5' O.C. FOR SIDEWALK.
 3. EXPANSION MATERIAL REQUIRED AT CURB RETURNS WITH 1/2" PREMOLDED ASPHALT IMPREGNATED EXPANSION MATERIAL OR EQUAL.
 4. EXPANSION JOINTS REQUIRED AT 50' O.C. WHEN FORMING FOR CURBS.
 5. WHENEVER SIDEWALK ABUTS ROCK OR MASONRY STRUCTURES SUCH AS CURBS OR BUILDINGS, EXPANSION JOINT FILLER SHALL BE USED IN ACCORDANCE WITH STANDARD SPECIFICATIONS.

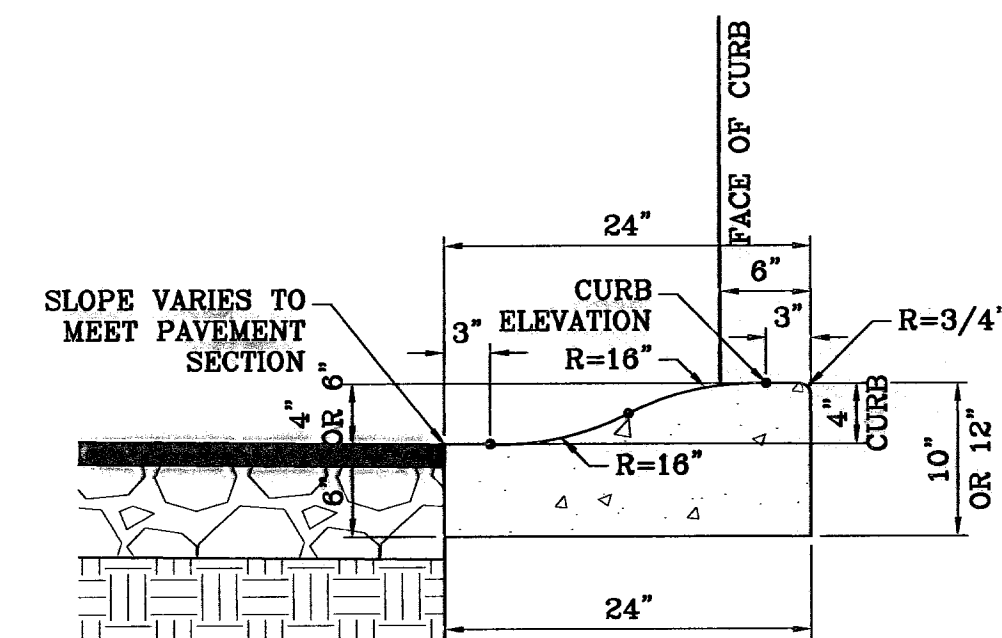
CURB & GUTTER AND SIDEWALK DETAIL
SCALE: 1"=2'



ROLLED CURB AND DRIVEWAY DETAIL AT CUL-DE-SAC
SCALE: 1"=1'

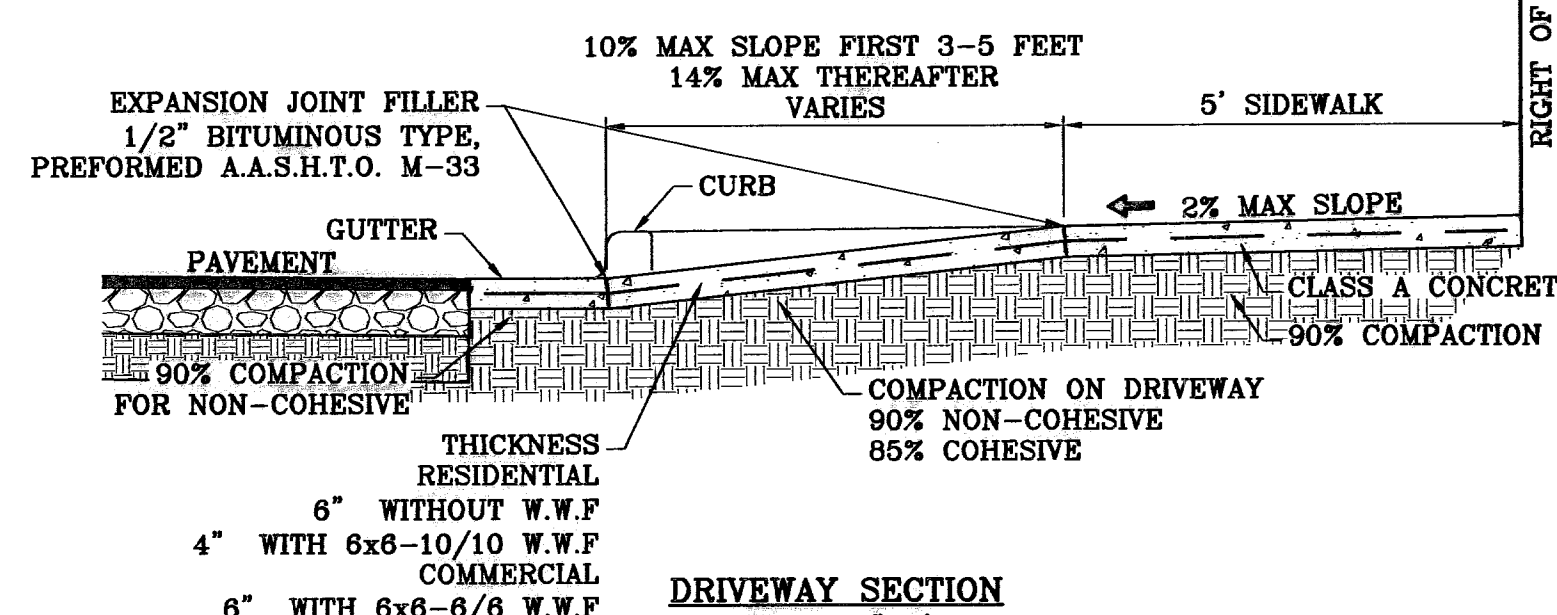


DRIVEWAY PLAN VIEW FOR CUL-DE-SACS
SCALE: 1"=10'



ROLLED CURB DETAIL
SCALE: 1"=1'

DRIVEWAY WIDTH	MIN.	MAX.
RESIDENTIAL	12'	24'
• FOR A THREE CAR GARAGE	12'	30'



DRIVEWAY SECTION
SCALE: 1"=2'

BENCHMARK
CITY MONUMENT 17.23' EAST OF CENTERLINE INTERSECTION OF VIA DE LA PAZ DR. AND LOS PUEBLOS DR.
ELEVATION 4448.71
DATE 09/20/09
CITY REVISIONS AS PER 07/23/09 COMMENTS E.F.G.
09/10/09 CITY REVISIONS AS PER 09/09/09 COMMENTS E.F.G.

PROJECT NAME
CHAPARRAL PARK UNIT FORTY FOUR
BEING A PORTION OF TRACT 1B, H. C. FOSTER, SURVEY NO. 256, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 13.176 ACRES

SCALE
HORIZ: AS NOTED
VERT: ---
DATE: DEC. 2008
DESIGN BY: J.C.
CHECKED BY: J.C.
INITIATED BY: J.C.
JOB NO.: 1109-13

ENGINEER'S SEAL
ENGINEER'S SEAL NOT REQUIRED.
THIS SHEET IS TO BE USED FROM CITY SUBDIVISION DESIGN STANDARDS

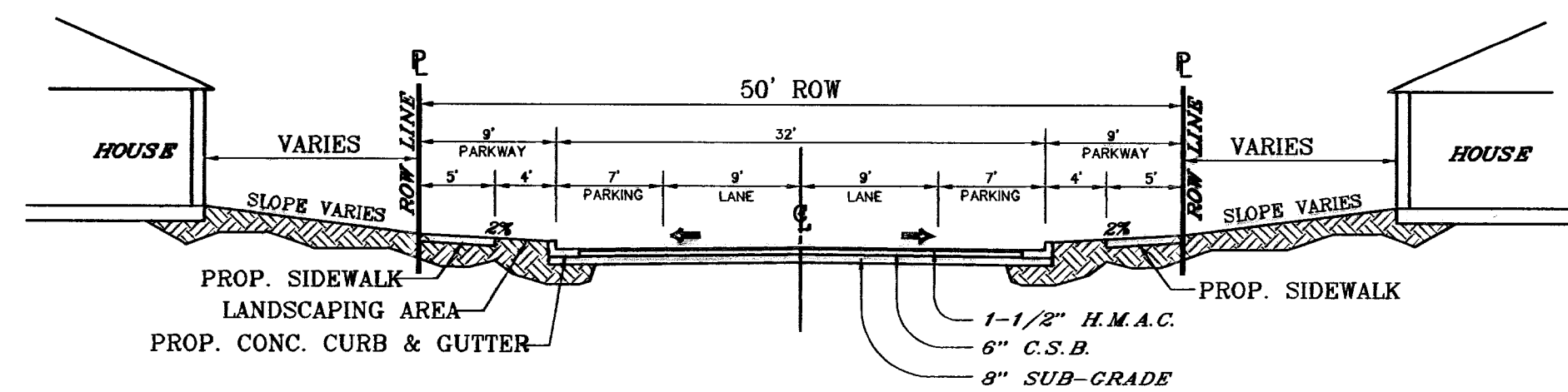
CONDE INC.
ENGINEERING / PLANNING / SURVEYING / GPS
6080 STE. 100
EL PASO, TEXAS 79905
PHONE: (915) 592-0283
FAX: (915) 592-0286

CONDE INC.
REGISTERED PROFESSIONAL ENGINEER
SHEET TITLE

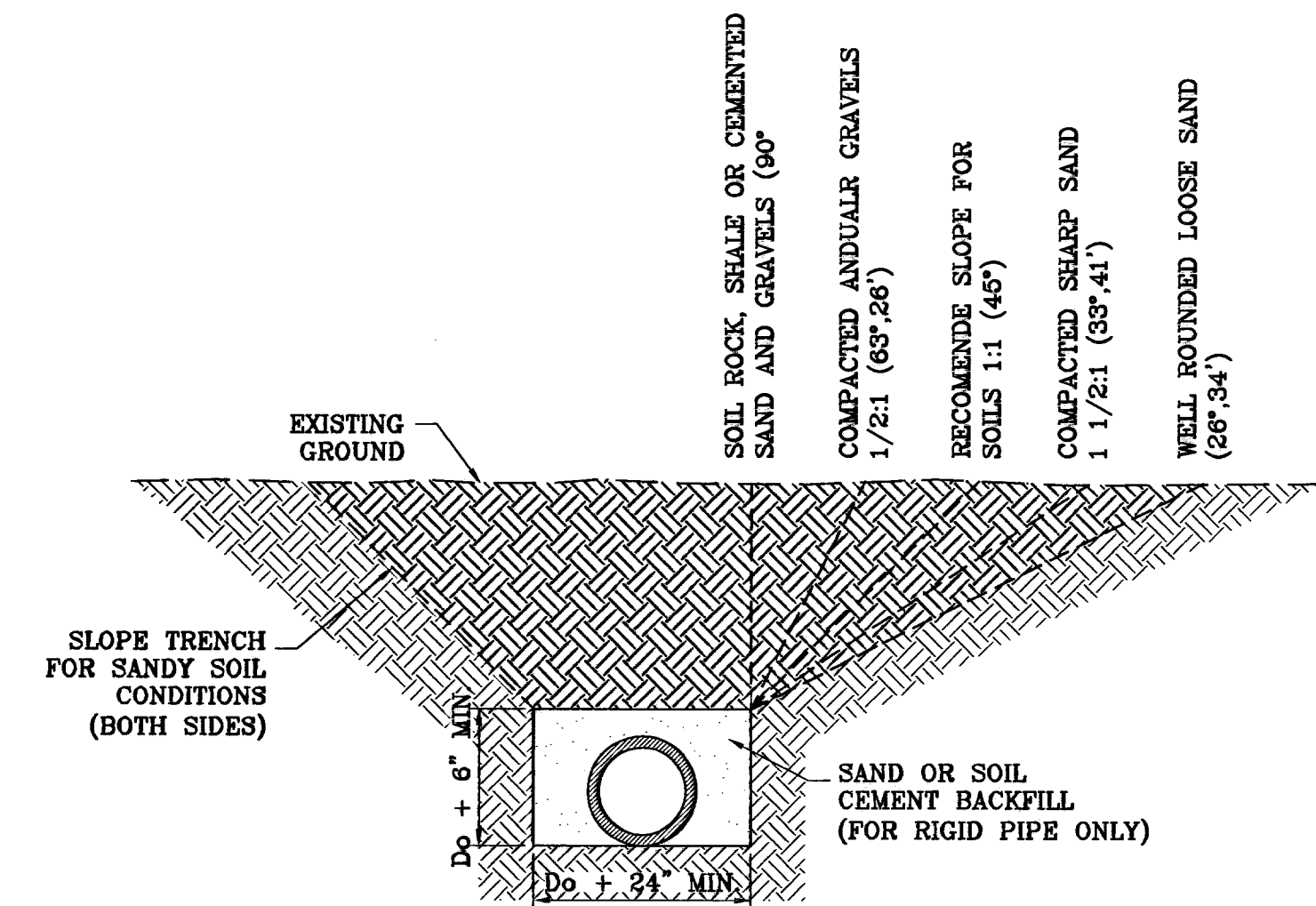
STANDARD DETAILS

SHT 17 OF 26

600827



32' LOCAL RESIDENTIAL 3
SCALE: 1"=10'



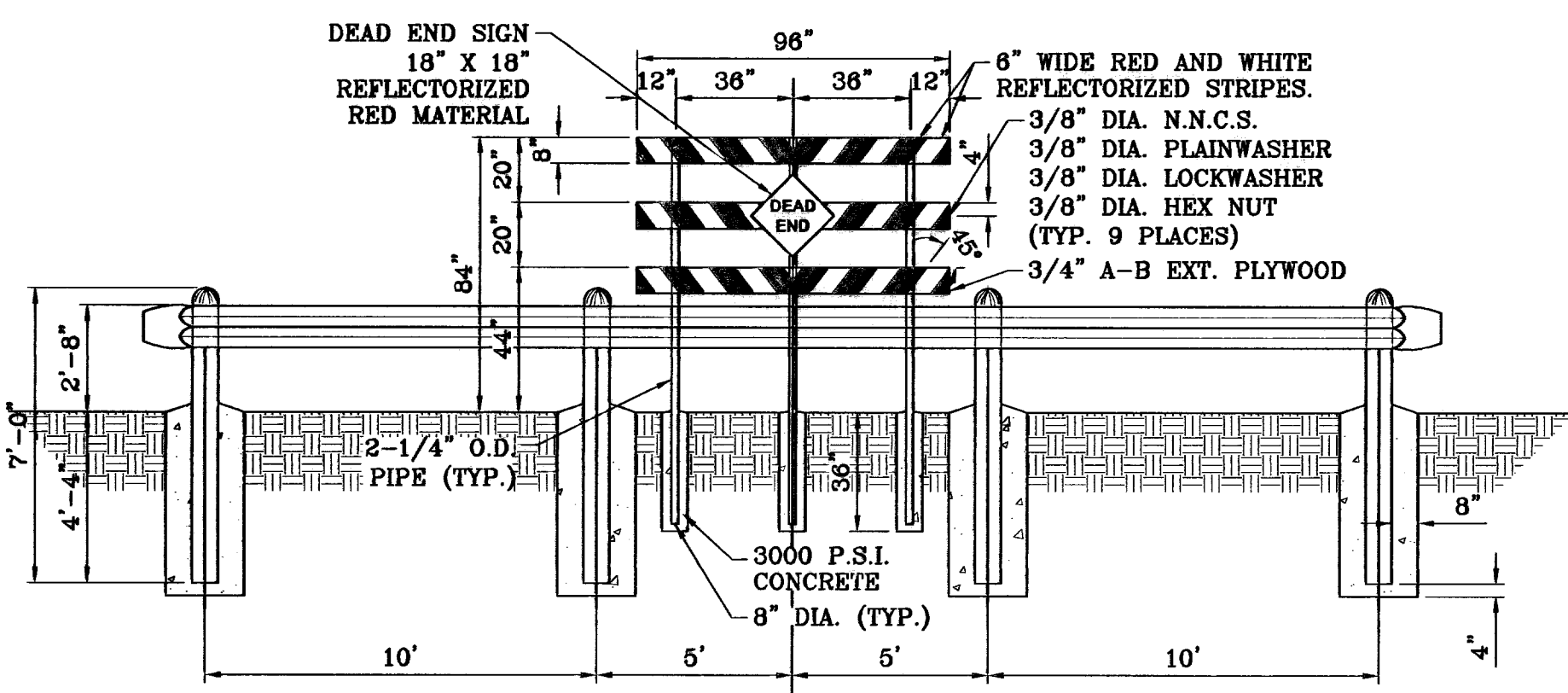
TYPICAL TRENCH SECTION
SCALE: 1"=3'

PAVEMENT NOTES

- SUBGRADE TO BE COMPACTED TO 95% OF MAXIMUM DENSITY AS PER ASTM D1557.
- BASE TO BE COMPACTED TO NOT LESS THAN 100% DENSITY IN ACCORDANCE WITH ASTM D1557. TYPE A, GRADE 1 OR 2.
- BITUMINOUS MATERIAL SHALL CONFORM TO AC-10 OR AC-20, TYPE "C" IN ACCORDANCE WITH ASTM D3918.
- PRIME COAT TO BE 0.25 GAL. PER SQUARE YARD (MINIMUM COVERAGE) MC-70.
- COMPACTION TESTS WHERE REQUIRED BY THE CITY ENGINEER MUST BE PAID FOR BY THE DEVELOPER.
- C.B.R. TESTS WILL BE REQUIRED AT 500 FOOT INTERVALS AFTER SUBGRADE IS PLACED AND/OR A MINIMUM OF TWO TESTS IF STREET IS LESS THAN 500 FEET.
- STRICT VERTICAL CONTROL OF ALL CURB AND GUTTER ELEVATIONS WILL BE MAINTAINED. BLUE TOPPING WILL BE REQUIRED THROUGHOUT.
- ALL PLANS MUST BE IN ACCORDANCE WITH THE LATEST EDITION OF THE CITY OF EL PASO SUBDIVISION DESIGN AND IMPROVEMENT STANDARDS.
- HMAC. BASE, SUB BASE WILL BE IN ACCORDANCE WITH THE LATEST CITY OF EL PASO SPECIFICATIONS.
- MINIMUM PAVEMENT DESIGN DETAILS ARE SHOWN. ACTUAL PAVEMENT DESIGN WILL BE DETERMINED BY: C.B.R.

TRENCHING

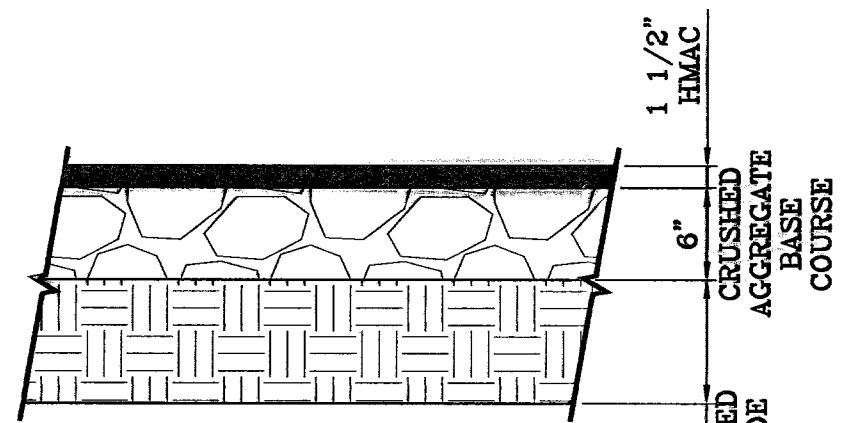
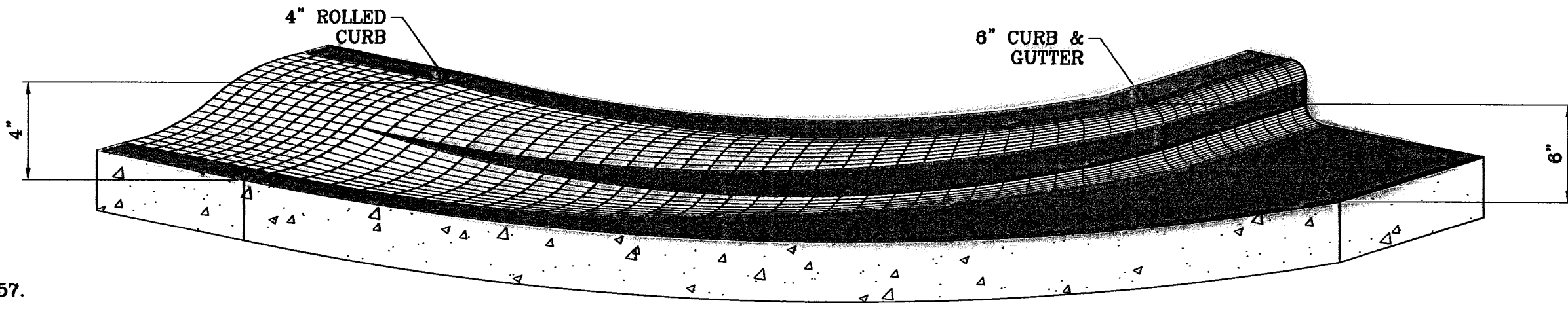
ALL TRENCHING SHALL BE DONE IN STRICT ACCORDANCE WITH OSHA-2226.



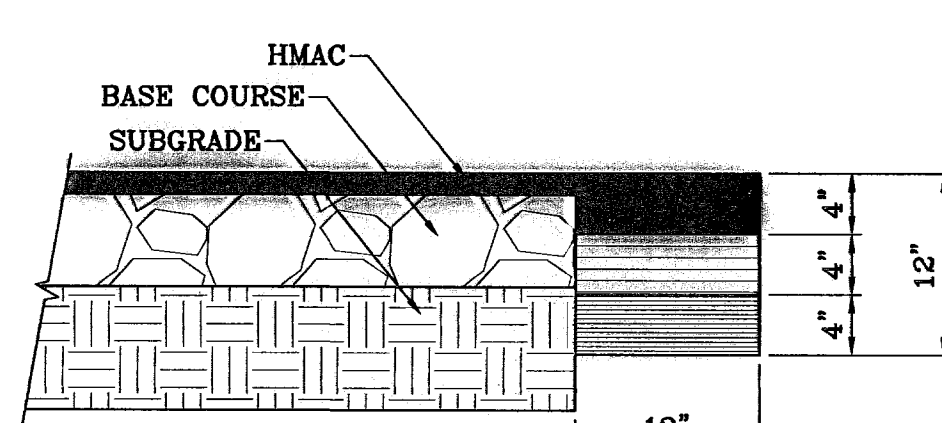
GUARD RAIL DETAIL
SCALE: 1"=4'

NOTE:
DEAD END SIGN TO BE USED WITH GUARDRAILS.
RED AND WHITE PORTIONS TO BE REFLECTIVE SHEETING.
DEAD END SIGN MUST COMPLY WITH THE CITY OF EL PASO SUBDIVISION DESIGN STANDARDS.

CURB TRANSITION AT RETURNS
SCALE: 1"=1'



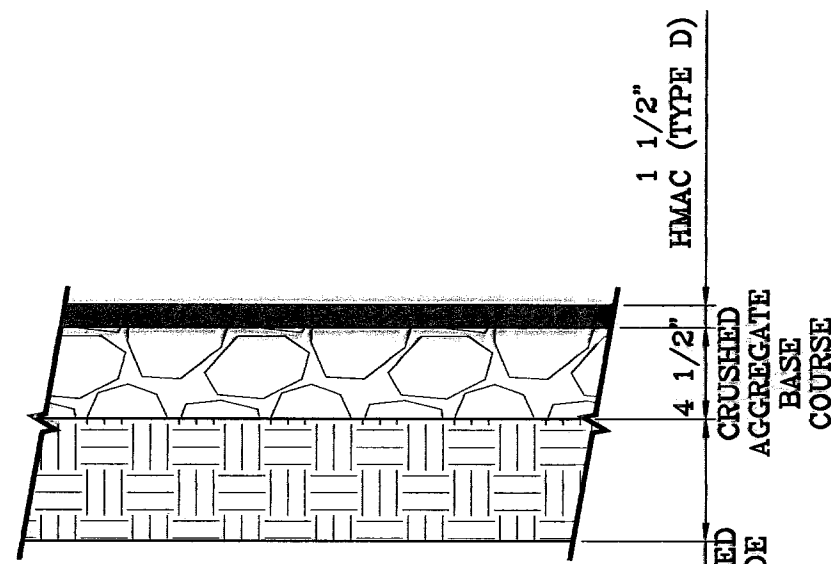
**PAVEMENT DETAIL
50' R.O.W. PAVEMENT SECTION**
SCALE: 1"=1'



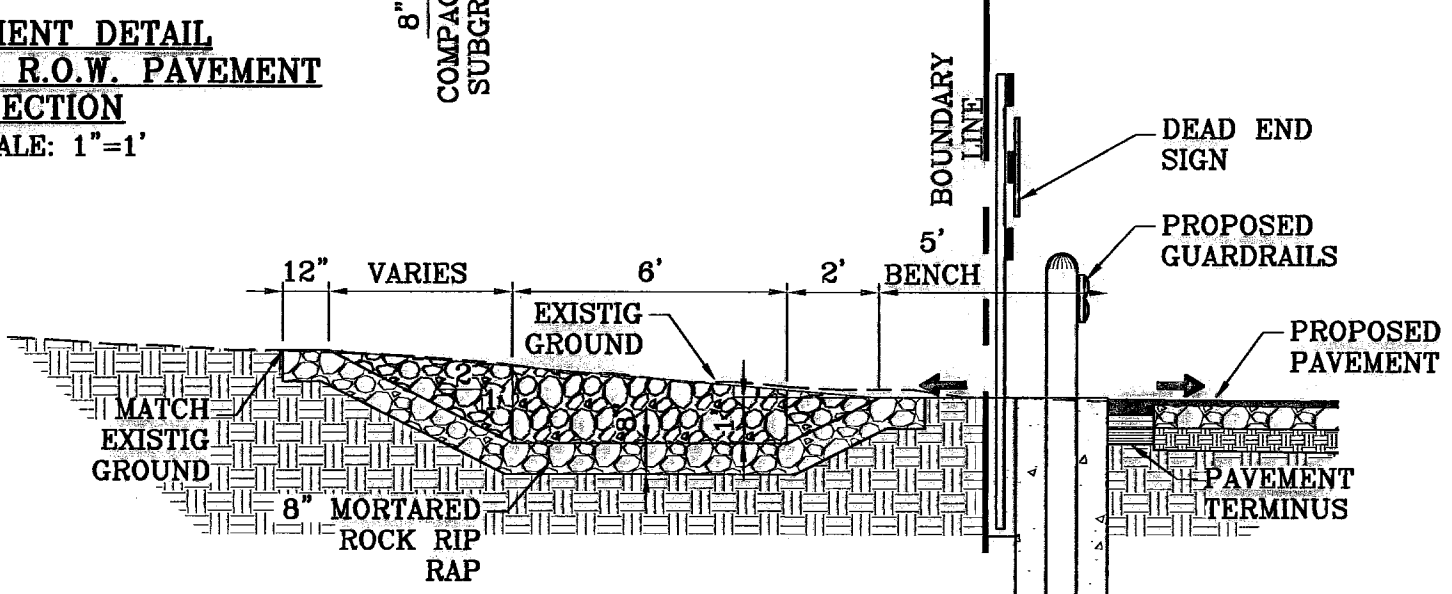
PAVEMENT TERMINUS
SCALE: 1"=1'

NOTE:

THICKENED EDGE SHALL BE CONSTRUCTED IN COURSED NOT OVER 4" IN THICKNESS, EACH COURSE THOROUGHLY COMPACTED BEFORE PLACING NEXT COURSE, FINAL COURSE, FINAL COURSE TO BE PLACED MONOLITHIC WITH PAVEMENT.



**PAVEMENT DETAIL
PEDESTRIAN R.O.W. PAVEMENT SECTION**
SCALE: 1"=1'



**DESILTING BASIN WITH
GUARD RAIL DETAIL**
SCALE: 1"=4'

SIZE AND CONSTRUCTION:

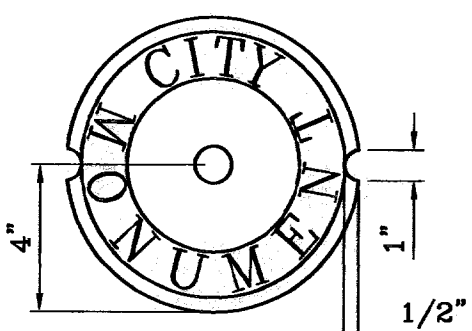
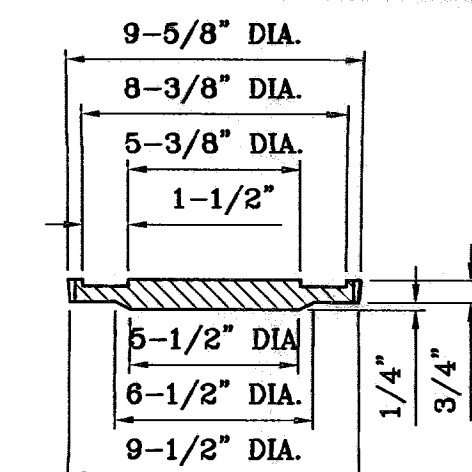
THE STANDARD CITY MONUMENT SHALL BE POURED-IN-PLACE CONCRETE CONE. EIGHT (8) INCHES MINIMUM DIAMETER AT THE TOP, EIGHTEEN (18) INCHES MINIMUM DIAMETER AT THE BOTTOM, THIRTY-SIX (36) INCHES MINIMUM IN DEPTH WITH THE MONUMENT CAP IN PLACE ON TOP.

THE MONUMENT SHALL BE COVERED WITH A CAST IRON BOX AND COVER.

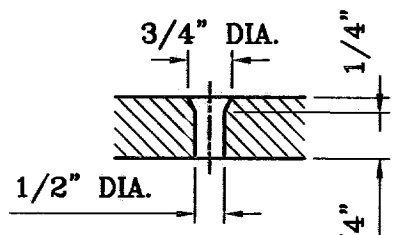
NUMBER AND LOCATIONS:

THE MONUMENTS SHALL BE INSTALLED WHERE SHOWN ON THE SUBDIVISION PLAT AS APPROVED BY THE CITY ENGINEER.

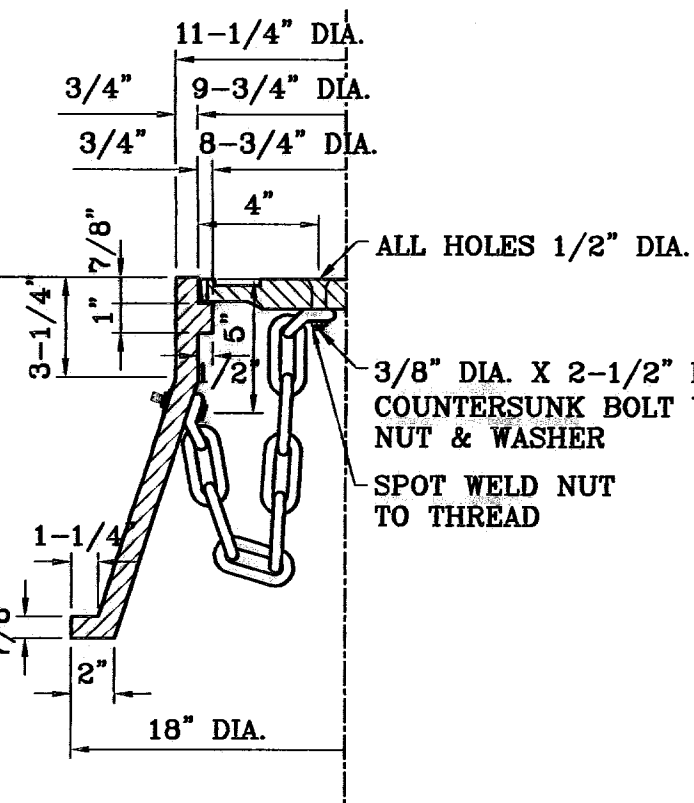
THE SIZE, TOPOGRAPHY AND LAYOUT OF THE SUBDIVISION SHALL GOVERN MONUMENT MUST BE WITHIN THE LINE OF SIGHT OF ANY OTHER MONUMENT (2000 FEET MAXIMUM DISTANCE BETWEEN MONUMENTS). THE NUMBER OF MONUMENTS REQUIRED.



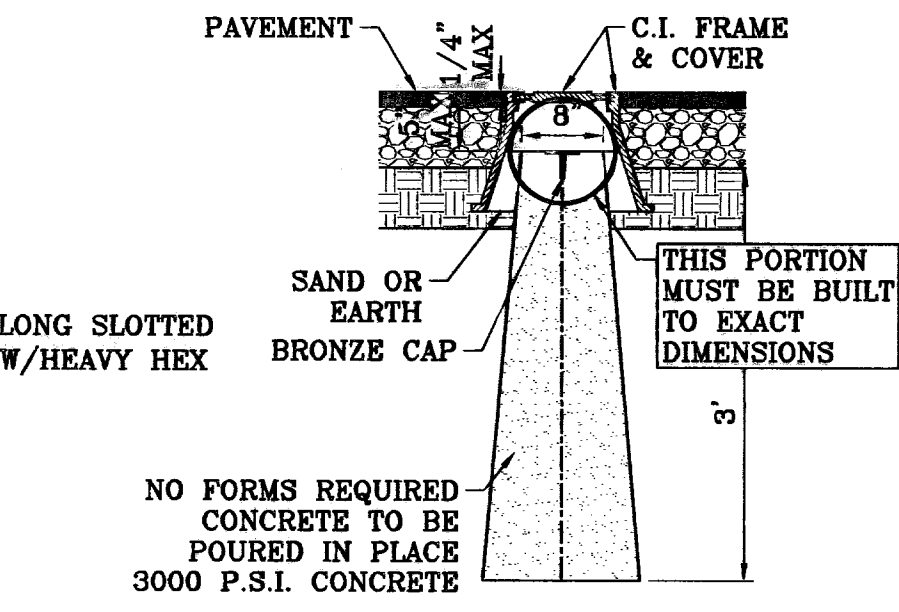
COVER
SCALE: 1"=6"



COUNTERSUNK DETAIL
SCALE: 1"=3"

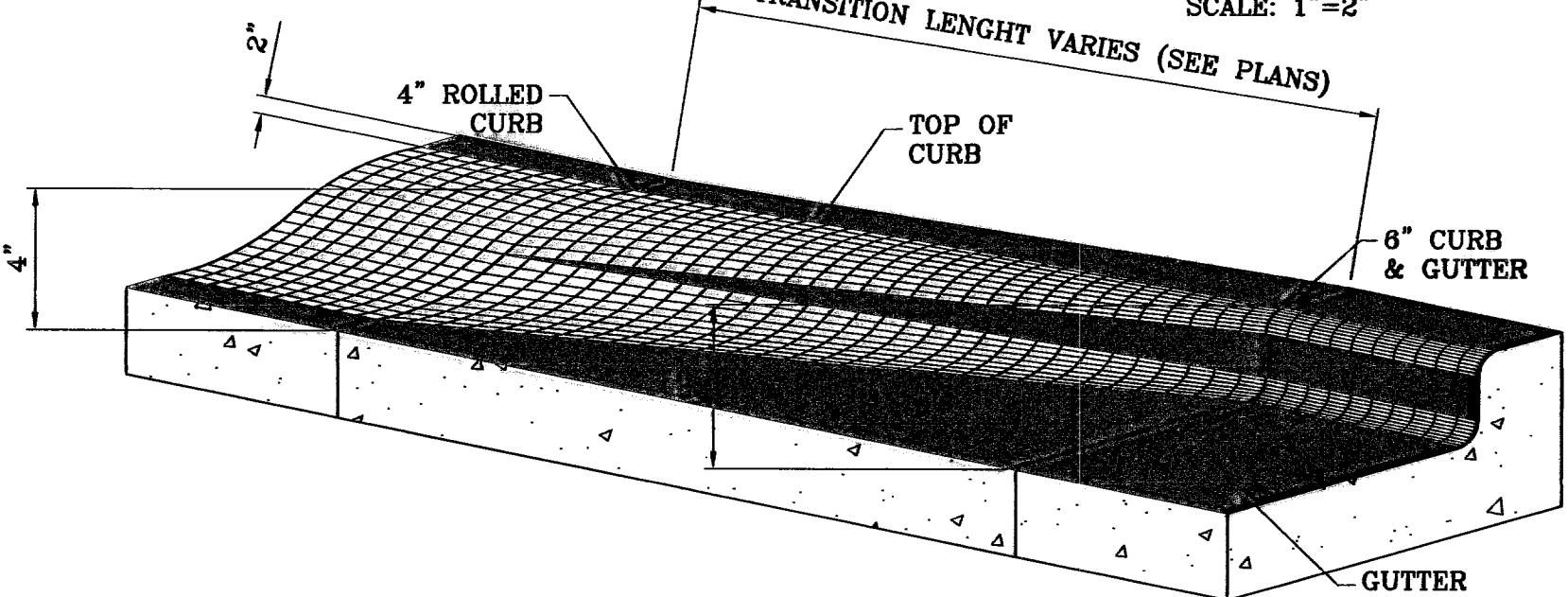


CITY MONUMENT DETAIL
SCALE: 1"=2"

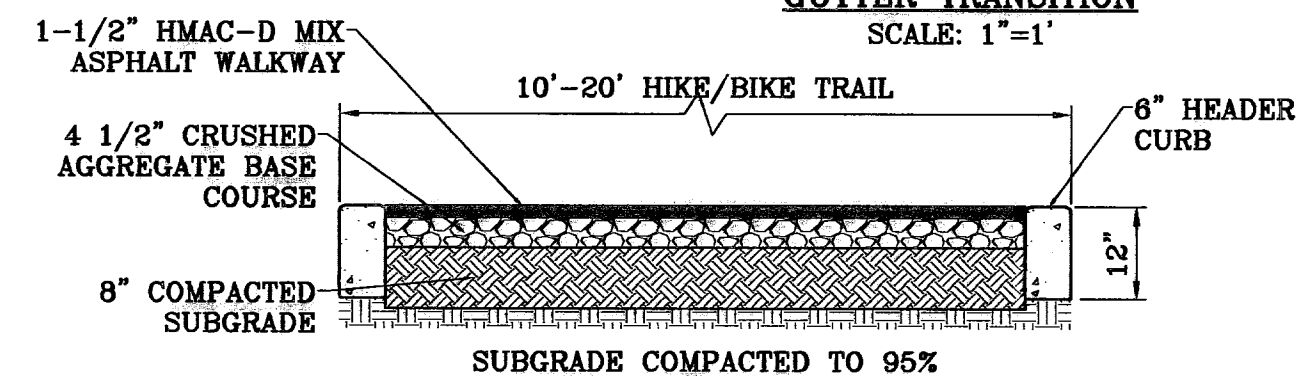


BRONZE MONUMENT CAP
SCALE: 1"=2"

SECTION A-A
SCALE: 1"=2"

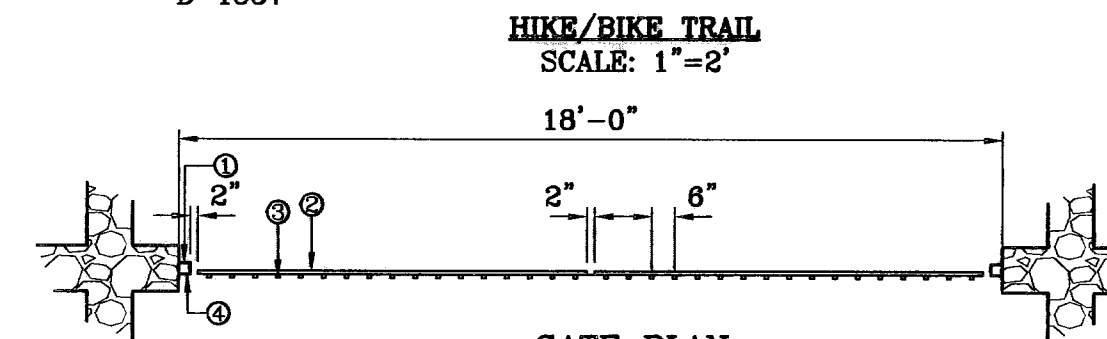


**ROLLED CURB TO CURB &
GUTTER TRANSITION**
SCALE: 1"=1'

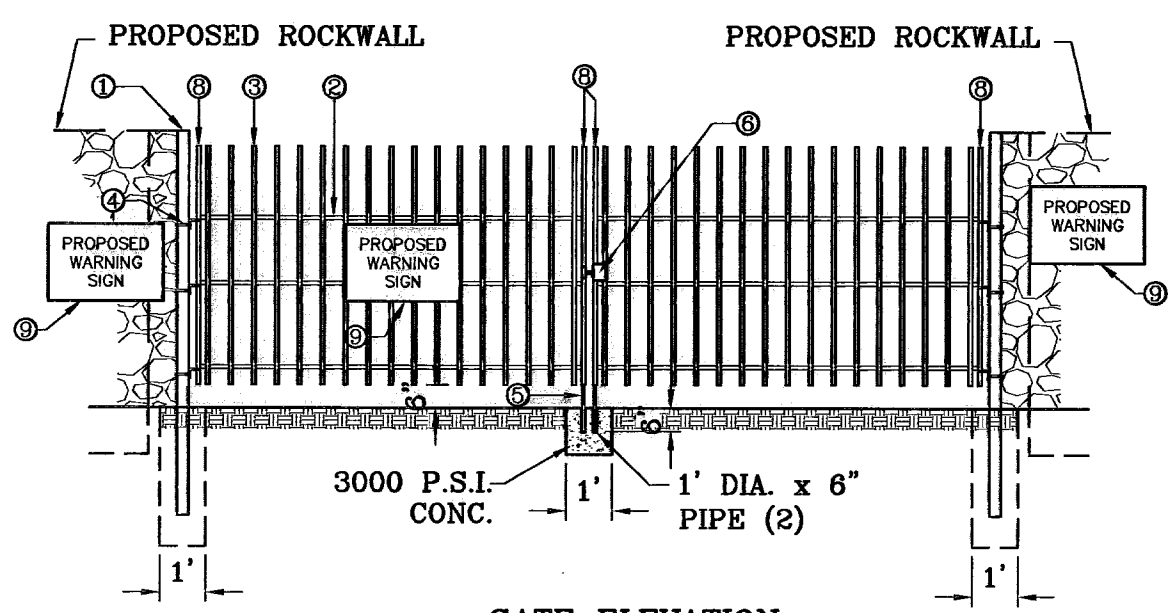


NOTES:

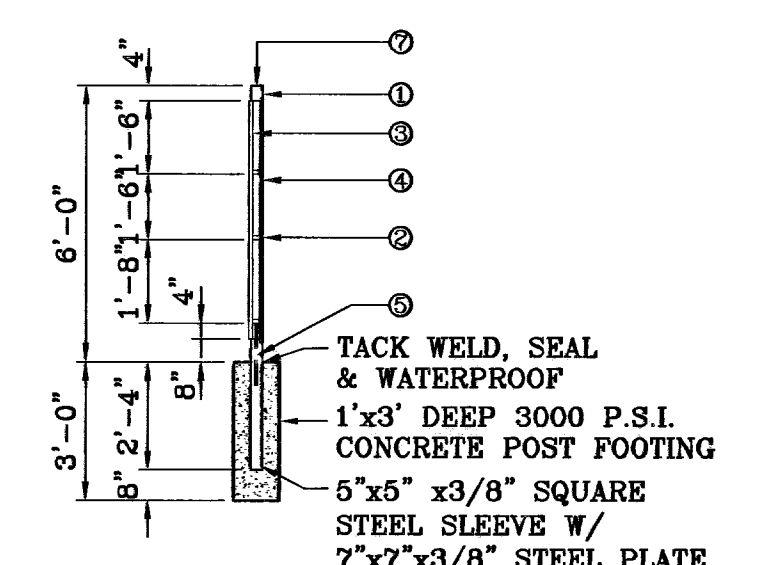
- HEADER CURB SHALL BE 3000 P.S.I. MINIMUM.
- DUMMY JOINTS REQUIRED AT 10' O.C. FOR MOWSTRIP AND 5' O.C. FOR SIDEWALK.
- EXPANSION JOINTS REQUIRED AT 50' O.C. WHEN FORMING FOR MOWSTRIP.
- WHENEVER SIDEWALK ABUTS ROCK OR MASONRY STRUCTURES SUCH AS CURBS OR BUILDINGS, EXPANSION JOINT FILLER SHALL BE USED IN ACCORDANCE WITH STANDARD SPECIFICATIONS.
- BASE COURSE AND SUBGRADE COMPACTED TO 95% DENSITY AS PER ASTM D-1557



GATE PLAN
SCALE: 1"=4'



GATE ELEVATION
SCALE: 1"=4'



GATE SECTION
SCALE: 1"=4'

WROUGHT IRON GATE
SCALE: 1"=4'

CHAPARRAL PARK UNIT FORTY FOUR

BENCHMARK	CITY MONUMENT 17.23' EAST OF CENTERLINE INTERSECTION OF VIA DE LA PAZ DR. AND LOS PUEBLOS DR. ELEVATION 4443.71
DATE	08/20/09
REVISIONS	CITY REDLINES AS PER 07/23/09 COMMENTS R.F.G.
BY	09/10/09
CITY REDLINES AS PER 06/03/09 COMMENTS R.F.G.	

**CHAPARRAL PARK
UNIT FORTY FOUR**
BEING A PORTION OF TRACT 1B, H. G. FOSTER, SURVEY NO. 256, CITY OF EL PASO, EL PASO COUNTY, TEXAS
CONTAINING: 13.176 ACRES

SCALE	HORIZ. AS NOTED
VERT.	---
DATE	DEC. 2009
DESIGN BY	YC
INITIATED BY	YC
CHECKED BY	YC
JOB NO.	1109-13

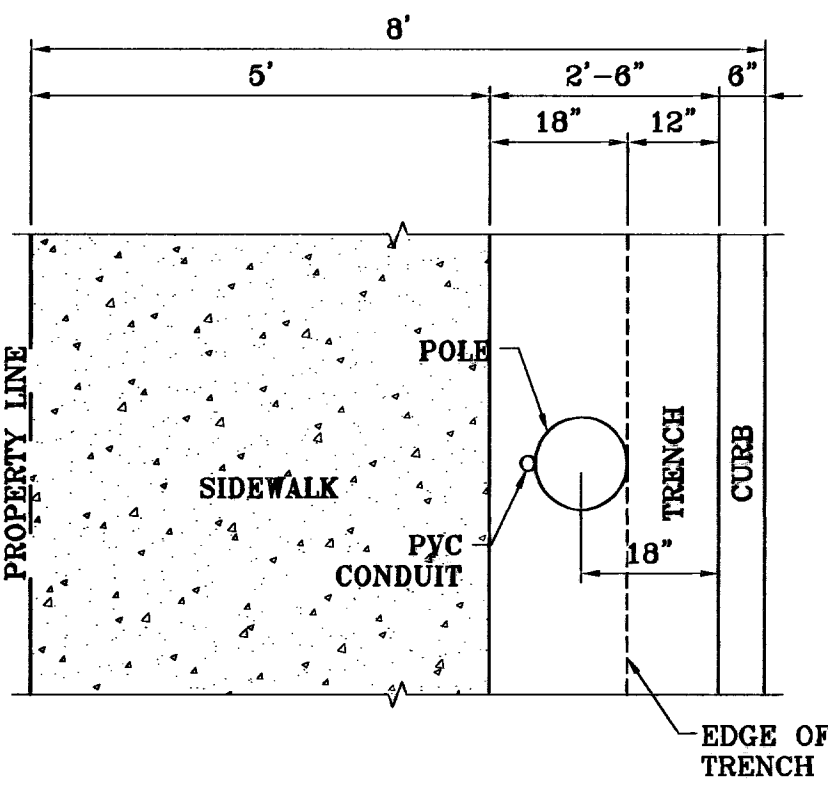
ENGINEER'S SEAL
NOTED
DATE
DESIGN BY
INITIATED BY
CHECKED BY
DESIGN STANDARDS

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
6080 SURETY DR. STE 100
EL PASO, TEXAS 79905
PHONE (915) 592-0283
FAX (915) 592-0286

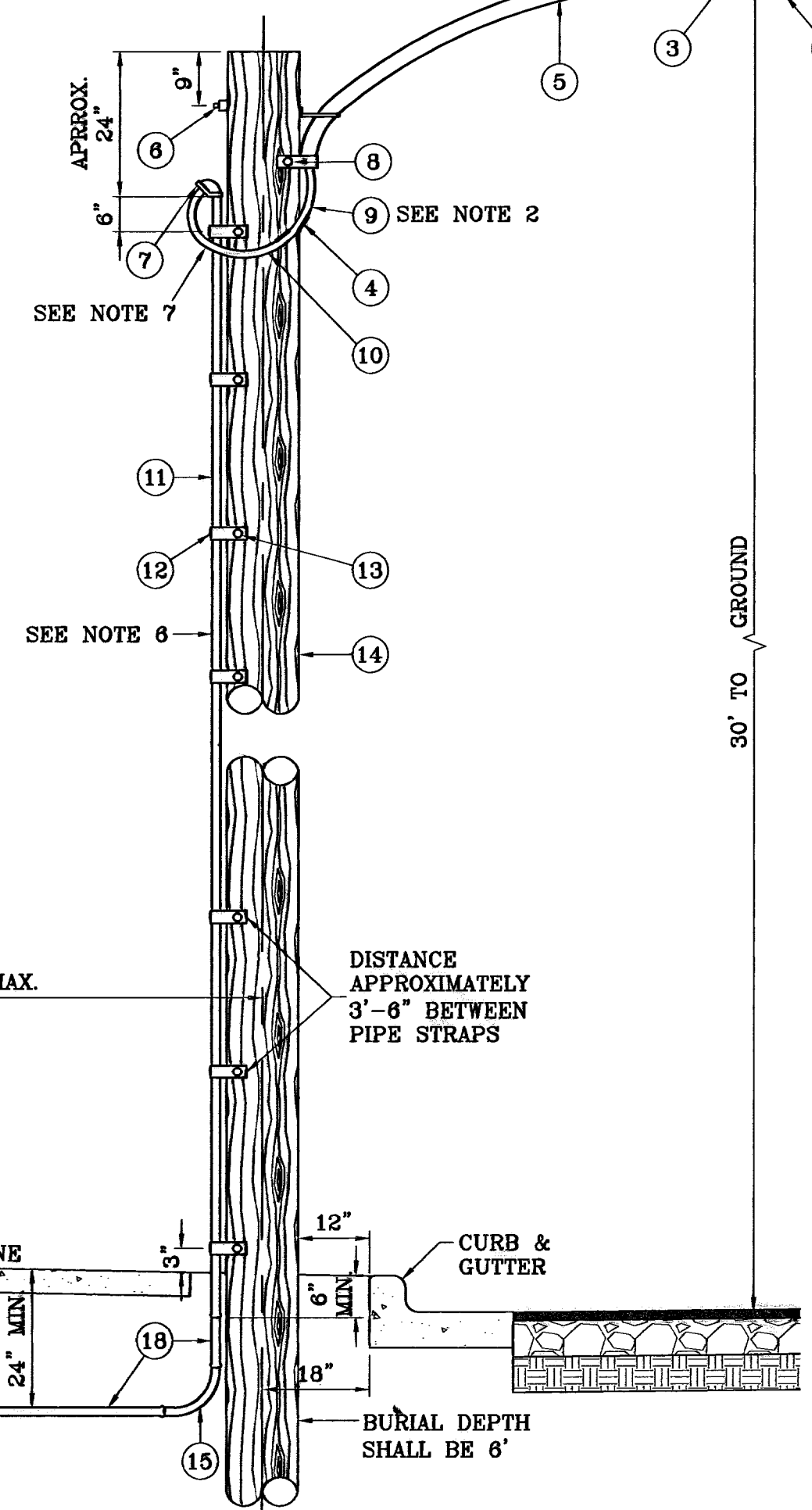


SHEET TITLE

**STANDARD
DETAILS**



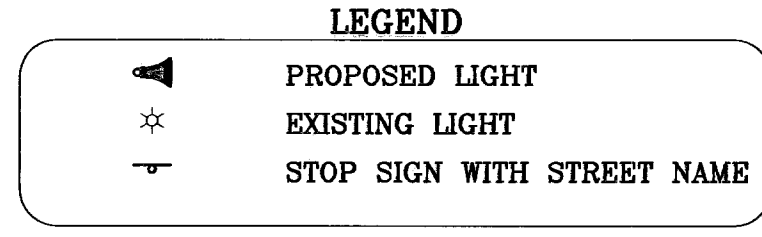
PLAN VIEW
SCALE: 1"=2"



UNDERGROUND RESIDENTIAL
STREET LIGHT WOOD POLE
E.P.E.C. STD. DSU 805
SCALE: 1"=2"

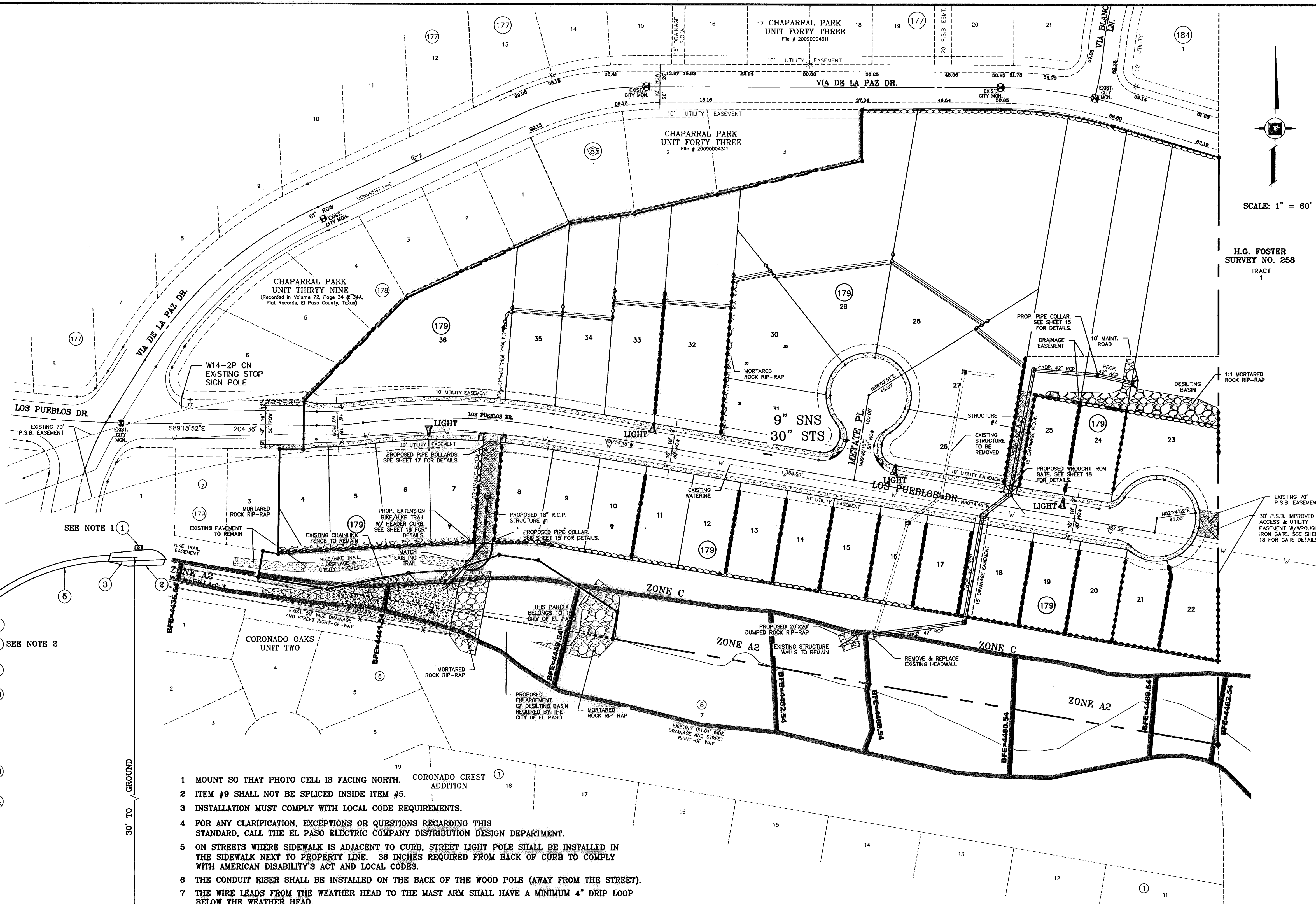
- 1 MOUNT SO THAT PHOTO CELL IS FACING NORTH.
- 2 ITEM #9 SHALL NOT BE SPLICED INSIDE ITEM #5.
- 3 INSTALLATION MUST COMPLY WITH LOCAL CODE REQUIREMENTS.
- 4 FOR ANY CLARIFICATION, EXCEPTIONS OR QUESTIONS REGARDING THIS STANDARD, CALL THE EL PASO ELECTRIC COMPANY DISTRIBUTION DESIGN DEPARTMENT.
- 5 ON STREETS WHERE SIDEWALK IS ADJACENT TO CURB, STREET LIGHT POLE SHALL BE INSTALLED IN THE SIDEWALK NEXT TO PROPERTY LINE. 36 INCHES REQUIRED FROM BACK OF CURB TO COMPLY WITH AMERICAN DISABILITY ACT AND LOCAL CODES.
- 6 THE CONDUIT RISER SHALL BE INSTALLED ON THE BACK OF THE WOOD POLE (AWAY FROM THE STREET).
- 7 THE WIRE LEADS FROM THE WEATHER HEAD TO THE MAST ARM SHALL HAVE A MINIMUM 4" DRIP LOOP BELOW THE WEATHER HEAD.

ITEM	No.	DESCRIPTION	STOCK\DSU No.	QTY.	C\U CODE	MACRO CODE
1		PHOTOCELL, 240 V-SEE NOTE 1	21-225	1		
2		HPS LAMP 100 W	21-085	1	LCOBRAHD	
3		LUMINAIRE, 100 W HPS	21-335	1		
4		SLEEVES, #12-10	05-140	2	LSLVI210	
5		MAST ARM, 6' x 1 1/4"	21-200	1	LBRKT1*6	
6		MACHINE BOLT, 5/8" x 12"	02-470	1		
		SQUARE GALV. WASHER, 2 1/4"x2 1/4"	02-760	1	LMB5/812	
		COIL SPRING WASHER, 5/8"	02-786	1		
		LOCK NUT, 5/8"	02-705	1		
7		SERVICE ENTRANCE CAP FOR 1" PVC CONDUIT	17-281	1	LSVCCAP1	
8		LAG BOLT, 3/8" x 3"	02-343	2	LLAG38*3	
9		CABLE #10, 2 CONDUCTOR, 600V, UF	13-600	8'	L2C#10S	
10		COPPER CABLE, #12, SOLID, 600V BLUE	13-702	60'	LC#12CU	
11		SCHEDULE 80 1" PVC CONDUIT	17-280	30'	LSCH801	
12		PIPE STRAP FOR 1" PVC CONDUIT 2-HOLE	17-283	9	LPYCGSTRP	
13		NAIL, STAINLESS STEEL SCREW 2.5 IN.	14-427	.25#	LNAL14*2	
14		POLE, 35'-CLASS 4	09-035	1	L35AUG	
15		1" PVC 90 DEGREE ELBOW	17-297	1	LEL901	
16		1" PVC 45 DEGREE ELBOW	17-298	1	LEL451	
17		1" PVC COUPLING	17-296	1	LCPLG1	
18		1" PVC CONDUIT	17-289	AS REQ'D	LPVC1	



NOTE: STREET LIGHTING TO BE IN ACCORDANCE WITH EL PASO DESIGN STANDARDS, SECTION VIII

NOTE: INSTALL TRAFFIC CONTROL DEVICES AS SHOWN AND IN ACCORDANCE WITH CITY OF EL PASO DESIGN STANDARDS, SECTION VII



SCALE: 1" = 60'
H.G. FOSTER
SURVEY NO. 258
TRACT 1

BENCHMARK
CITY MONUMENT 17.25' EAST OF CENTERLINE INTERSECTION OF VIA DE LA PAZ DR. AND LOS PUEBLOS DR. ELEVATION 4443.71 CITY DATUM
DATE: 04/13/10
REVISIONS: CITY REDLINES AS PER 04/08/10 COMMENTS: R.F.G.
BY: R.F.G.

PROJECT NAME
CHAPARRAL PARK UNIT FORTY FOUR
BEING A PORTION OF TRACT 1B, H. G. FOSTER, SURVEY NO. 258, CITY OF EL PASO, EL PASO COUNTY, TEXAS, CONTAINING: 131.70 ACRES

SCALE
HORIZ: 1" = 60'
VERT: ---
DATE: DEC. 2009
DESIGN BY: YC
INITIATED BY: YC
CHECKED BY: JC
JOB NO.: 1109-13

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
6080 SURETY DR. STE 100
EL PASO, TEXAS 79905
PHONE: (915) 592-0283
FAX: (915) 592-0286



SHEET TITLE

ILLUMINATION & TRAFFIC CONTROL PLAN

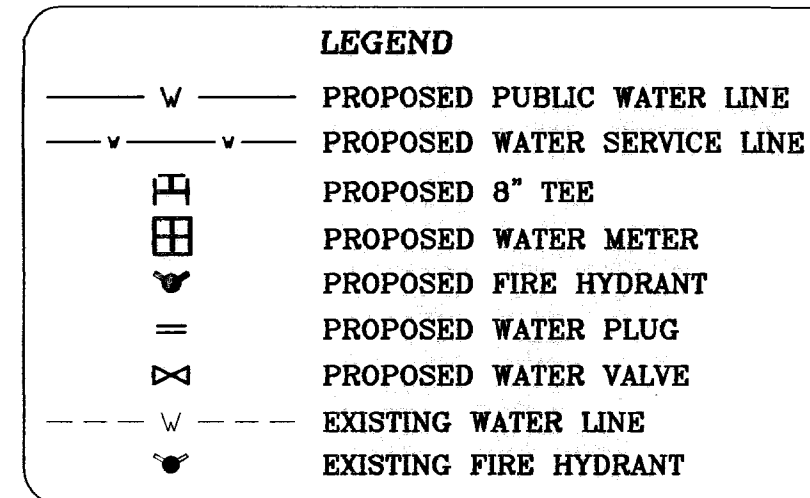
SHT 19 OF 26

CHAPARRAL PARK UNIT FORTY FOUR

600827

WATER NOTES:

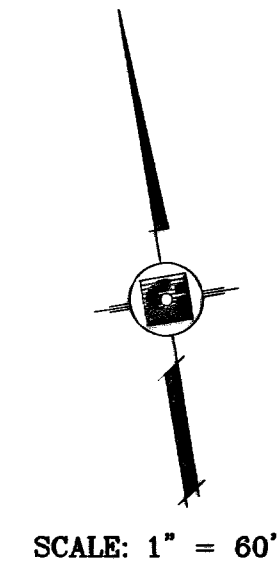
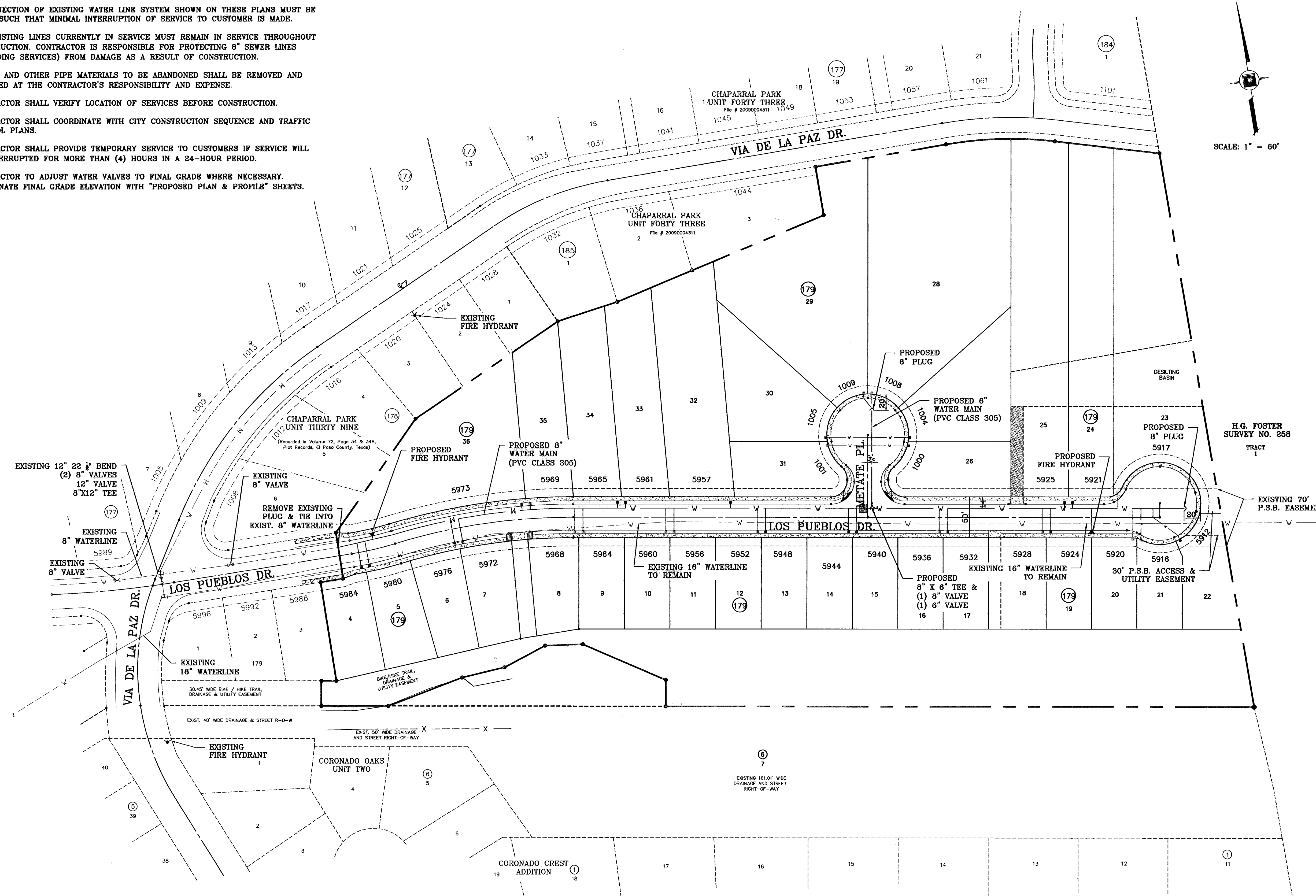
- CONTACT UTILITY COMPANIES FOR EXACT LOCATION FOR UNDERGROUND UTILITIES IN THE AREA.
- PROVIDE ADEQUATE CONCRETE THRUST BLOCKING AT THE FOLLOWING: TAPPING, SLEEVES, TEES, BENDS, PLUGS - ALL FITTINGS.
- INSTALL A TRENCH SAFETY SYSTEM TO PROVIDE FOR THE SAFE EXCAVATION OF ALL TRENCHES EXCEEDING A DEPTH OF (5') FIVE FEET AS PER O.S.H.A. STANDARDS.
- ALL P.V.C. PIPE ON THIS PLAN SHALL BE ENCASED WITH SELECT BEDDING WHEN PLACED IN CITY ROW. IN SITU (ACCEPTABLE) MATERIAL CAN BE USED IN PRIVATE LINES.
- ALL VALVES ON P.V.C. WATER MAINS SHALL BE ANCHORED IN CONCRETE.
- CITY PAVING CUT PERMIT REQUIRED BEFORE EXCAVATION.
- RECONNECTION OF EXISTING WATER LINE SYSTEM SHOWN ON THESE PLANS MUST BE MADE, SUCH THAT MINIMAL INTERRUPTION OF SERVICE TO CUSTOMER IS MADE.
- ALL EXISTING LINES CURRENTLY IN SERVICE MUST REMAIN IN SERVICE THROUGHOUT CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR PROTECTING 8" SEWER LINES (INCLUDING SERVICES) FROM DAMAGE AS A RESULT OF CONSTRUCTION.
- VALVES AND OTHER PIPE MATERIALS TO BE ABANDONED SHALL BE REMOVED AND DISPOSED AT THE CONTRACTOR'S RESPONSIBILITY AND EXPENSE.
- CONTRACTOR SHALL VERIFY LOCATION OF SERVICES BEFORE CONSTRUCTION.
- CONTRACTOR SHALL COORDINATE WITH CITY CONSTRUCTION SEQUENCE AND TRAFFIC CONTROL PLANS.
- CONTRACTOR SHALL PROVIDE TEMPORARY SERVICE TO CUSTOMERS IF SERVICE WILL BE INTERRUPTED FOR MORE THAN (4) HOURS IN A 24-HOUR PERIOD.
- CONTRACTOR TO ADJUST WATER VALVES TO FINAL GRADE WHERE NECESSARY. COORDINATE FINAL GRADE ELEVATION WITH "PROPOSED PLAN & PROFILE" SHEETS.



SEE SHEET 25 & 26 FOR WATER DETAILS

CONTRACTOR SHALL VERIFY LOCATION AND DEPTH OF EXISTING WATERLINE PRIOR TO CONSTRUCTION.

STREET NAME	LENGTH, SIZE & TYPE OF PIPE
LOS PUEBLOS DR.	1,038' OF 8" P.V.C. C-900 (CLASS 305)
METATE PL.	119' OF 6" P.V.C. C-900 (CLASS 305)



WATER LOCATION-PLAN VIEW
SCALE: 1"=60'

BENCHMARK

CITY MONUMENT 17.23' EAST OF CENTERLINE INTERSECTION OF VIA DE LA PAZ DR. AND LOS PUEBLOS DR. ELEVATION 4443.71

DATE: 03/23/10
BY: P.S.B. REDLINES AS PER 03/02/10 COMMENTS E.F.G.

DATE: 04/05/10
BY: P.S.B. REDLINES AS PER 03/26/10 COMMENTS E.F.G.

PROJECT NAME
CHAPARRAL PARK UNIT FORTY FOUR

BEING A PORTION OF TRACT 1B, H. G. FOSTER, SURVEY NO. 258, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 13.176 ACRES

SCALE
HORIZ: 1" = 60'
VERT: 1" = 10'

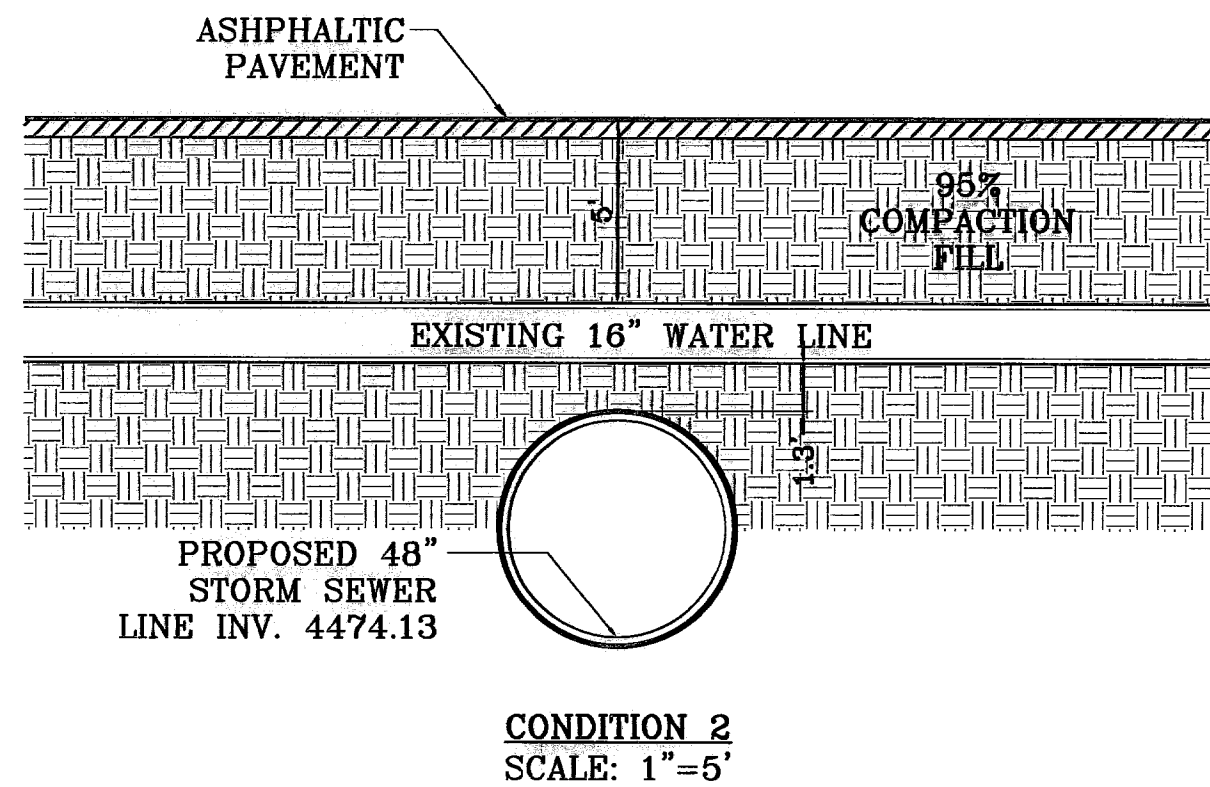
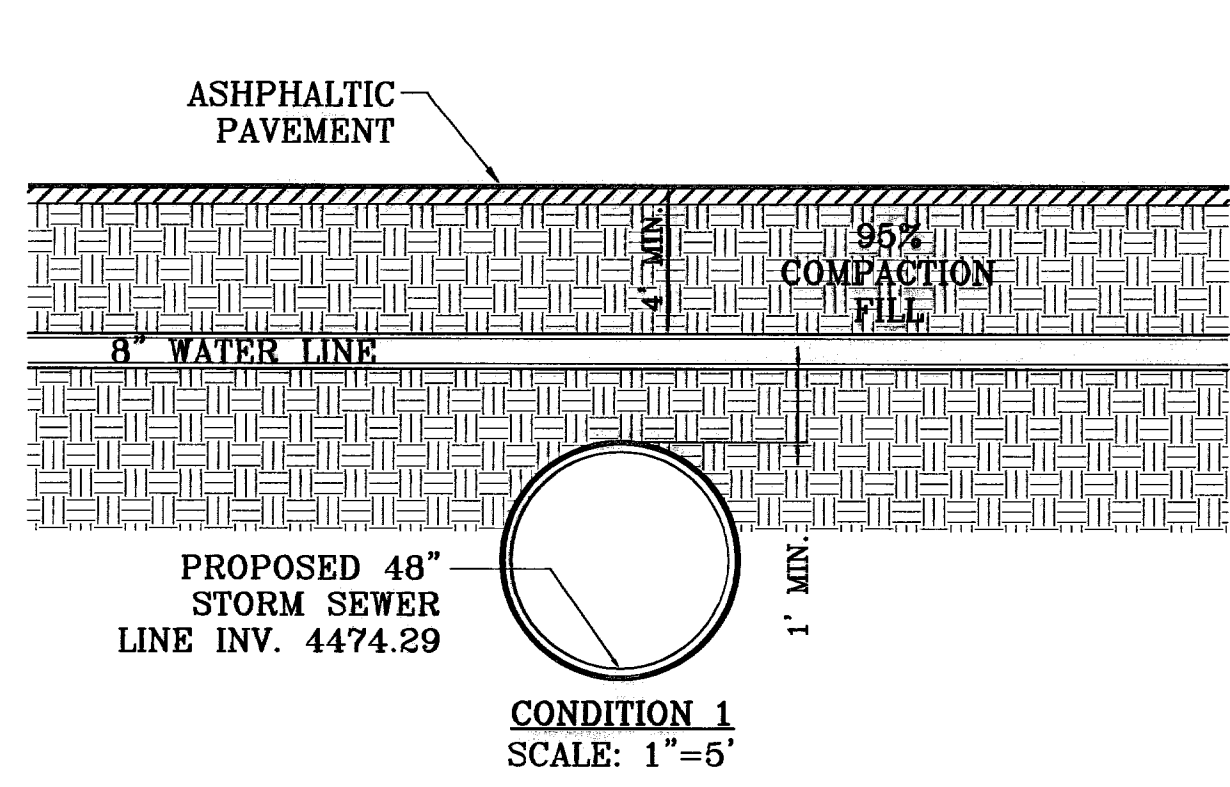
DATE: DEC. 2009
DESIGN BY: YC
INITIATED BY: RC
CHECKED BY: YC
JOB NO.: 1109-13

ENGINEER'S SEAL

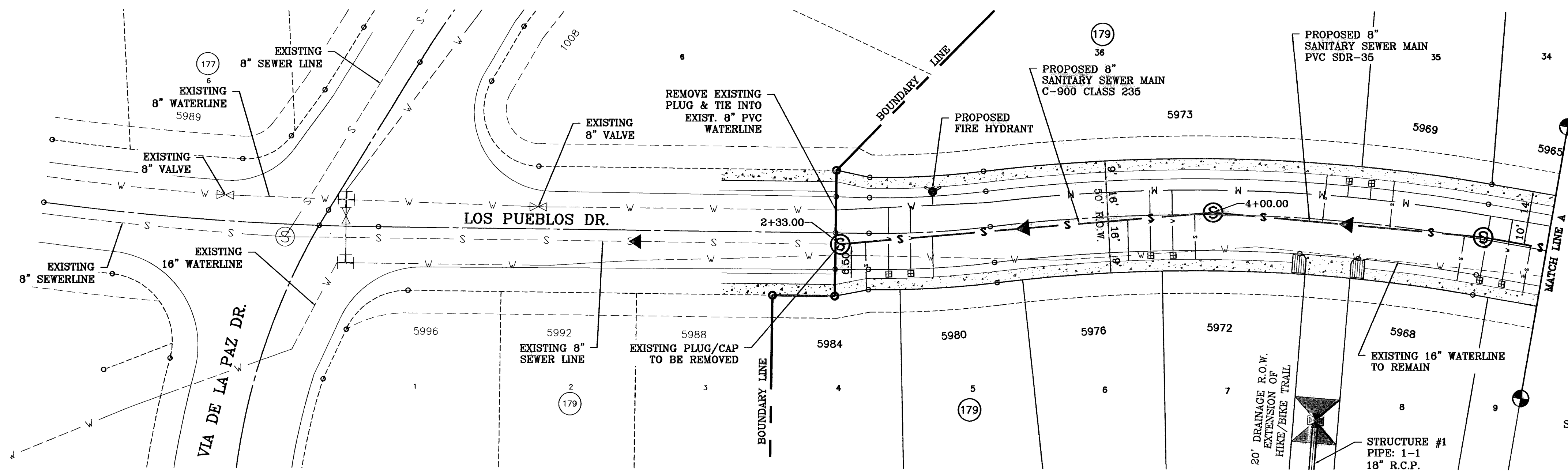
CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
6080 SURETY DR. STE 100
EL PASO, TEXAS 79905
PHONE: (915) 592-0283
FAX: (915) 592-0286



SHEET TITLE
WATER LOCATION MAP



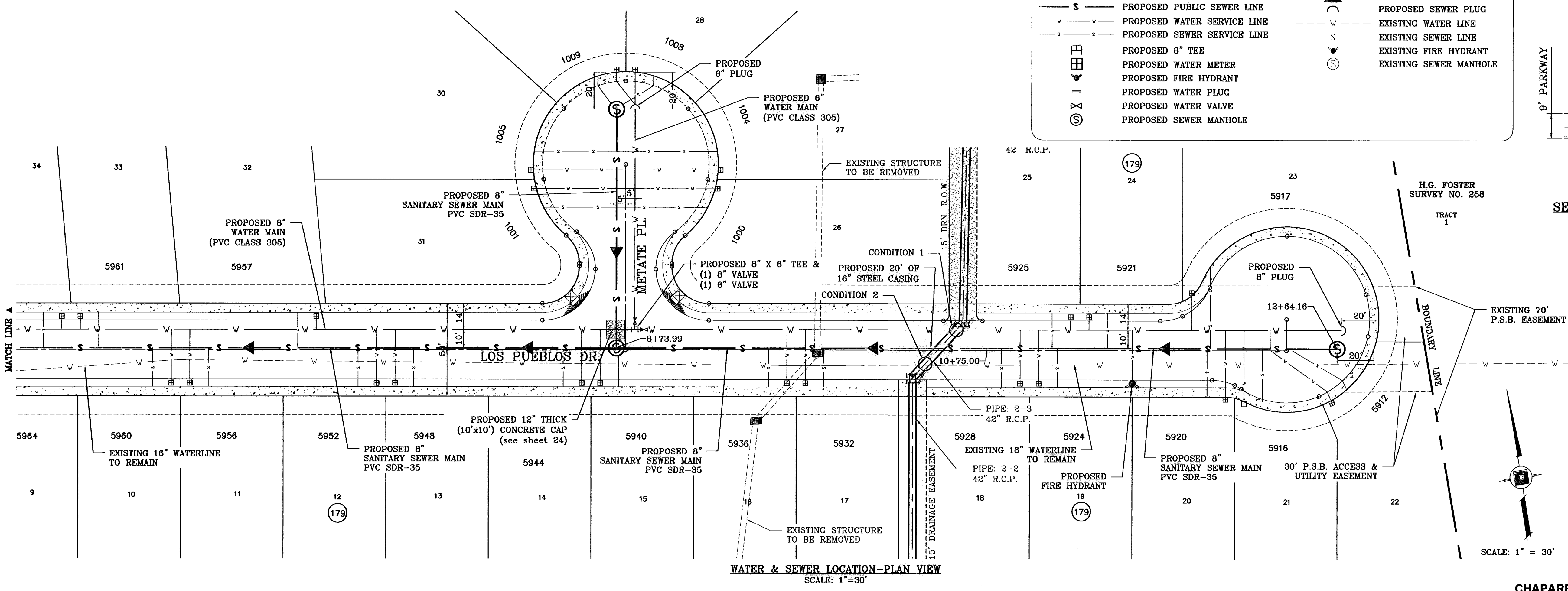
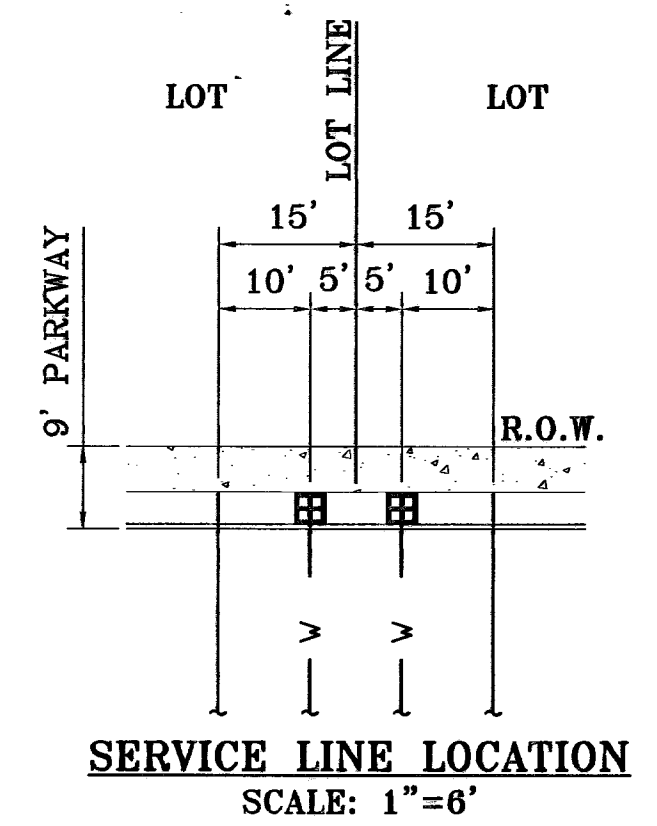
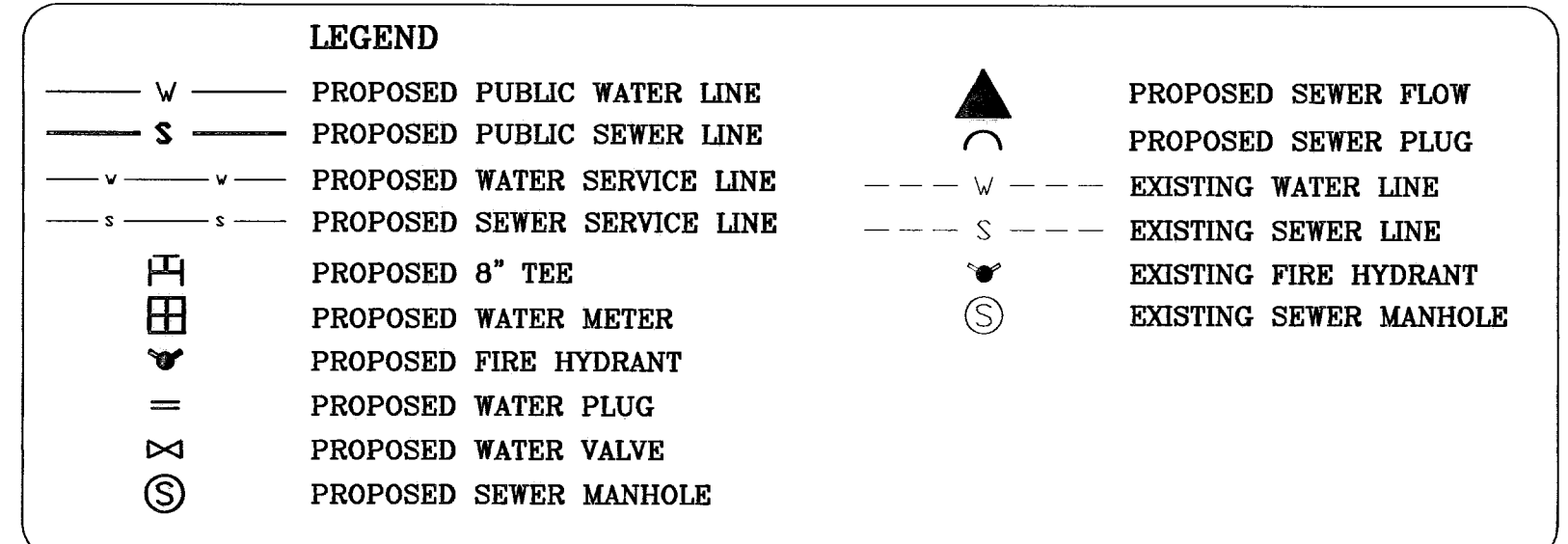
- WATER NOTES:**
- CONTACT UTILITY COMPANIES FOR EXACT LOCATION FOR UNDERGROUND UTILITIES IN THE AREA.
 - PROVIDE ADEQUATE CONCRETE THRUST BLOCKING AT THE FOLLOWING: TAPPING, SLEEVES, TEES, BENDS, PLUGS - ALL FITTINGS.
 - INSTALL A TRENCH SAFETY SYSTEM TO PROVIDE FOR THE SAFE EXCAVATION OF ALL TRENCHES EXCEEDING A DEPTH OF (5') FIVE FEET AS PER O.S.H.A. STANDARDS.
 - ALL P.V.C. PIPE ON THIS PLAN SHALL BE ENCASED WITH SELECT BEDDING WHEN PLACED IN CITY ROW. IN SITU (ACCEPTABLE) MATERIAL CAN BE USED IN PRIVATE LINES.
 - ALL VALVES ON P.V.C. WATER MAINS SHALL BE ANCHORED IN CONCRETE.
 - CITY PAVING CUT PERMIT REQUIRED BEFORE EXCAVATION.
 - RECONNECTION OF EXISTING WATER LINE SYSTEM SHOWN ON THESE PLANS MUST BE MADE, SUCH THAT MINIMAL INTERRUPTION OF SERVICE TO CUSTOMER IS MADE.
 - ALL EXISTING LINES CURRENTLY IN SERVICE MUST REMAIN IN SERVICE THROUGHOUT CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR PROTECTING 8" SEWER LINES (INCLUDING SERVICES) FROM DAMAGE AS A RESULT OF CONSTRUCTION.
 - VALVES AND OTHER PIPE MATERIALS TO BE ABANDONED SHALL BE REMOVED AND DISPOSED AT THE CONTRACTOR'S RESPONSIBILITY AND EXPENSE.
 - CONTRACTOR SHALL VERIFY LOCATION OF SERVICES BEFORE CONSTRUCTION.
 - CONTRACTOR SHALL COORDINATE WITH CITY CONSTRUCTION SEQUENCE AND TRAFFIC CONTROL PLANS.
 - CONTRACTOR SHALL PROVIDE TEMPORARY SERVICE TO CUSTOMERS IF SERVICE WILL BE INTERRUPTED FOR MORE THAN (4) HOURS IN A 24-HOUR PERIOD.
 - CONTRACTOR TO ADJUST WATER VALVES TO FINAL GRADE WHERE NECESSARY. COORDINATE FINAL GRADE ELEVATION WITH "PROPOSED PLAN & PROFILE" SHEETS.



SEE SHEET 13 FOR STRUCTURE #1 DETAILS

SEE SHEET 25 & 26 FOR WATER & SEWER DETAILS

CONTRACTOR SHALL VERIFY LOCATION AND DEPTH OF EXISTING 16" WATERLINE PRIOR TO CONSTRUCTION. WATERLINE SHALL BE SAFEGUARDED DURING CONSTRUCTION.



BENCHMARK

CITY MONUMENT 17.23' EAST OF CENTERLINE INTERSECTION OF VIA DE LA PAZ DR. AND LOS PUEBLOS DR. ELEVATION 4443.71 CITY DATUM

DATE	REVISIONS	BY	FO
03/23/10	P.S.E. REDLINES AS PER 03/02/10 COMMENTS B.F.C.		
04/05/10	P.S.E. REDLINES AS PER 03/26/10 COMMENTS B.F.C.		
06/03/10	CONCRETE CAP AT METATE PL.		

PROJECT NAME
CHAPARRAL PARK UNIT FORTY FOUR

BEING A PORTION OF TRACT 1B, H. G. FOSTER, SURVEY NO. 268, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 13.176 ACRES

SCALE
HORIZ. 1" = 30'
VERT. 1" = 10'

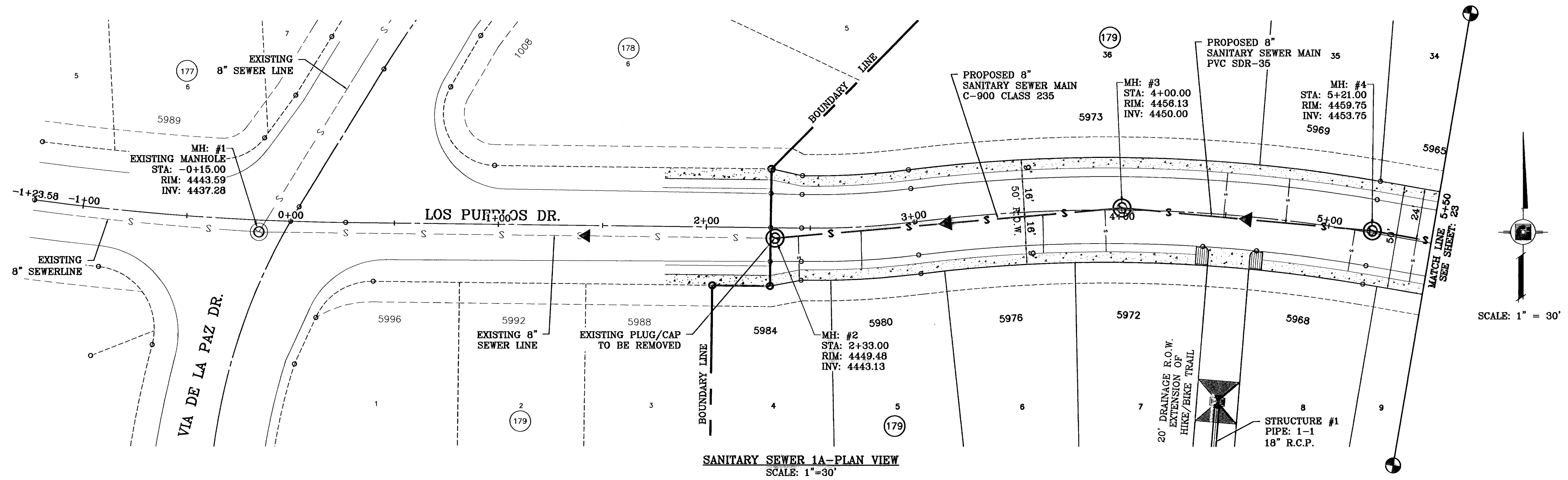
DATE: DEC. 2009
DESIGN BY: YC
INITIATED BY: YC
CHECKED BY: YC
JOB NO.: 1109-13

CONDE INC.
ENGINEERING / PLANNING / SURVEYING / GPS
6080 SURVEY DR. STE 100
EL PASO, TEXAS 79905
PHONE: (915) 592-0283
FAX: (915) 592-0286



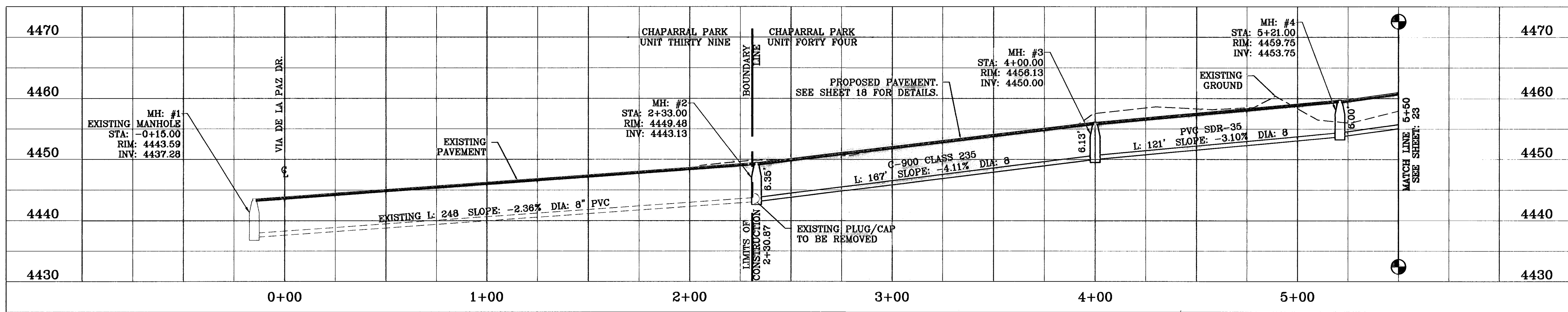
SHEET TITLE
WATER & SEWER LOCATION MAP

600827



SANITARY SEWER 1A-PLAN VIEW
SCALE: 1"=30'

CENTERLINE STATIONING AS PER
STREET PLAN & PROFILES



SANITARY SEWER 1A-PROFILE
HORIZONTAL SCALE: 1"=30'
VERTICAL SCALE: 1"=10'

SEWER NOTES:

- CONTACT UTILITY COMPANIES FOR EXACT LOCATION OF UNDERGROUND UTILITIES IN THIS AREA.
- INSTALL A TRENCH SAFETY SYSTEM TO PROVIDE FOR THE SAFE EXCAVATION OF ALL TRENCHES EXCEEDING A DEPTH OF (5') FIVE FEET AS PER O.S.H.A. STANDARDS.
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- PROVIDE MANHOLE ADAPTER WHERE P.V.C. PIPE CONNECTS TO MANHOLE.
- WATER & SANITARY SEWER MAIN SEPARATION REQUIREMENTS SHALL COMPLY WITH "T.N.R.C.C." MINIMUM VERTICAL SEPARATION REQUIREMENTS. (REFER TO SPECIFICATIONS.)
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- CONTRACTOR SHALL COORDINATE WITH CITY CONSTRUCTION SEQUENCE AND TRAFFIC CONTROL PLANS.

- SANITARY SEWER SERVICE LINES
4" - 8"
- SEE SHEET 13 FOR STRUCTURE #1
DETAILS
- SEE SHEET 25 & 26 FOR WATER &
SEWER DETAILS

LEGEND

- S — PROPOSED PUBLIC SEWER LINE
- ⊙ PROPOSED SEWER MANHOLE
- ▲ PROPOSED SEWER FLOW
- ⌒ PROPOSED SEWER PLUG
- - - S - - - EXISTING SEWER LINE
- ⊙ EXISTING SEWER MANHOLE

BENCHMARK

CITY MONUMENT 17.23' EAST OF CENTERLINE INTERSECTION OF VIA DE LA PAZ DR. AND LOS PUEBLOS DR.
ELEVATION 4443.71

DATE	REVISIONS	BY
05/23/10	P.S.B. REDLINES AS PER 03/02/10 COMMENTS E.F.G.	

PROJECT NAME
CHAPARRAL PARK
UNIT FORTY FOUR

BEING A PORTION OF TRACT 1B, H. G. FOSTER, SURVEY NO. 258, CITY OF EL PASO, EL PASO COUNTY, TEXAS
CONTAINING: 13.176 ACRES

ENGINEER'S SEAL

SCALE
HORIZ: 1" = 30'
VERT: 1" = 10'

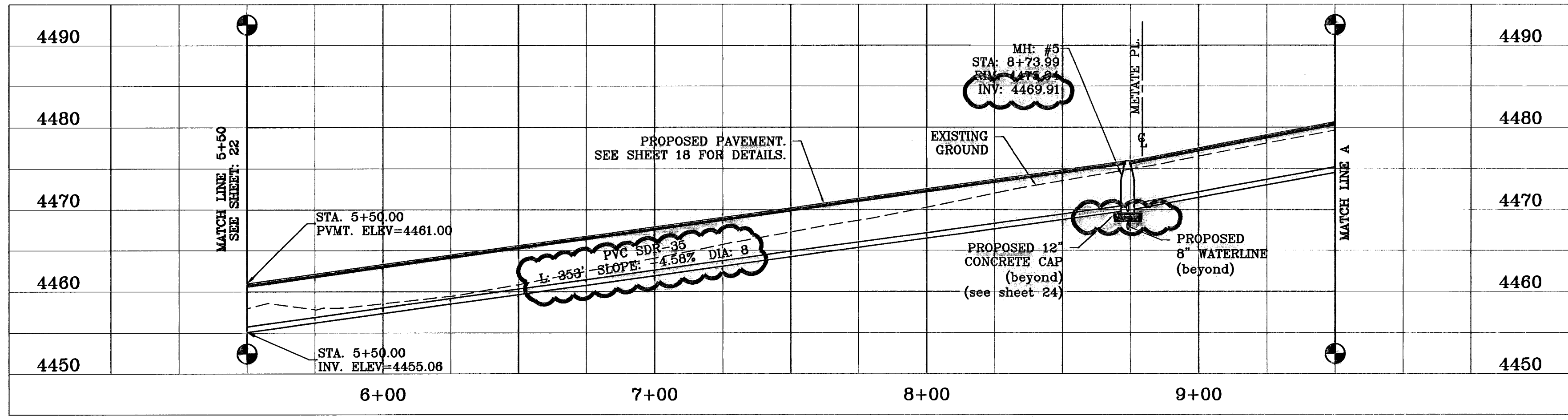
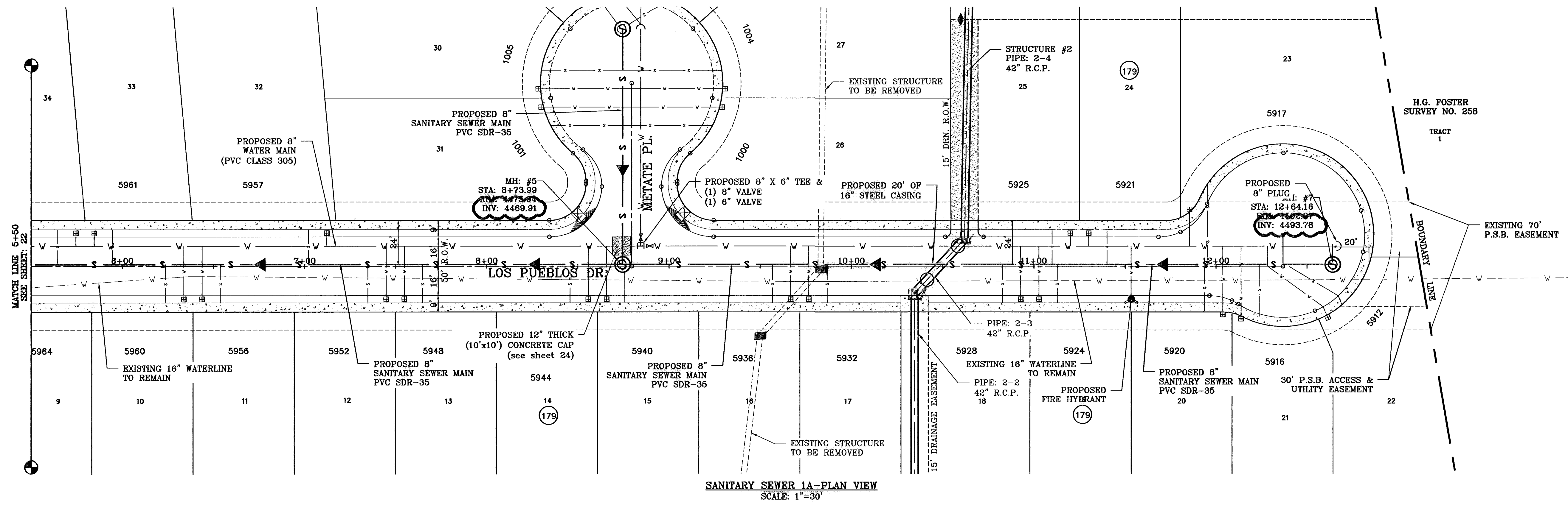
DATE: DEC. 2009
DESIGN BY: YC
INITIATED BY: RO
CHECKED BY: YC
JOB NO.: 1109-13

CONDE INC.
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EL PASO, TEXAS 79905
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FAX: (915) 592-0286

REGISTRATION No. F2321

SHEET TITLE

**SANITARY SEWER PLAN
LOS PUEBLOS DR.**
STA. 2+33 TO
STA. 5+50



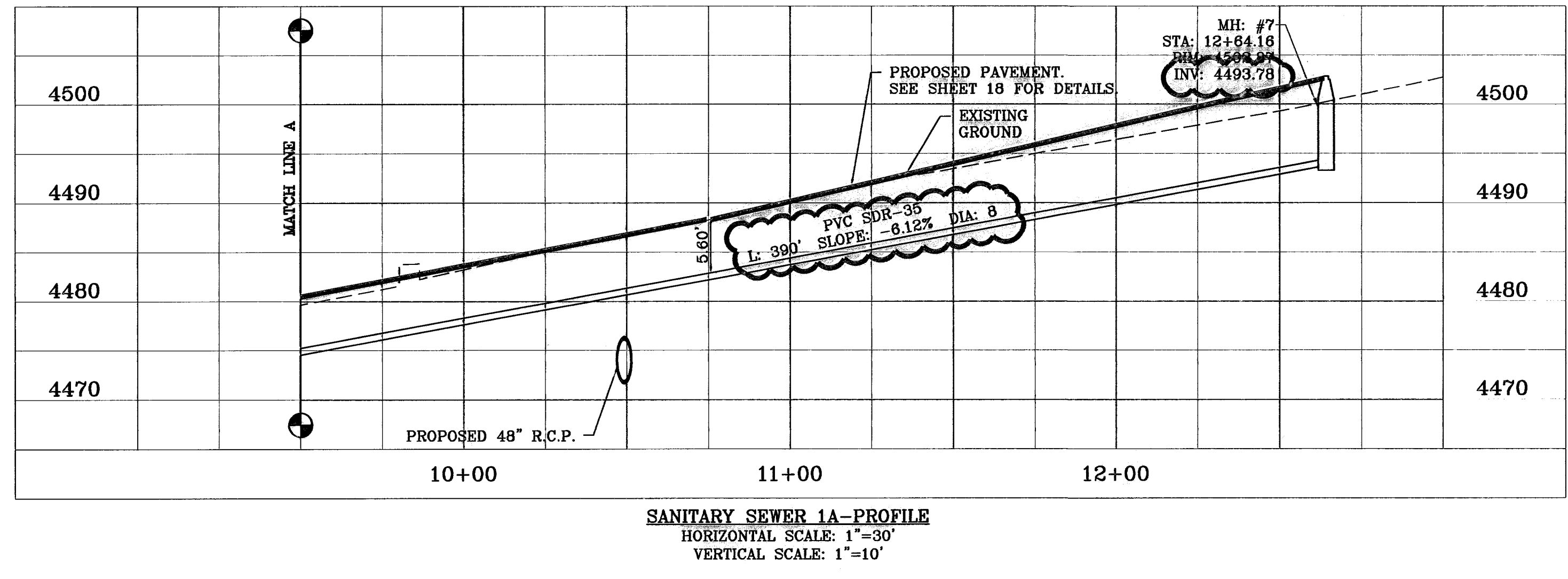
SANITARY SEWER SERVICE LINES
4" - 19

SEE SHEET 13 FOR STRUCTURE #1 DETAILS

SEE SHEET 25 & 26 FOR WATER & SEWER DETAILS

LEGEND

- S — PROPOSED PUBLIC SEWER LINE
- ⊙ PROPOSED SEWER MANHOLE
- ▲ PROPOSED SEWER FLOW
- PROPOSED SEWER PLUG
- - - EXISTING SEWER LINE
- ⊙ EXISTING SEWER MANHOLE



- SEWER NOTES:**
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BENCHMARK
CITY MONUMENT 17.23' EAST OF CENTERLINE INTERSECTION OF VIA DE LA PAZ DR. AND LOS PUEBLOS DR. ELEVATION 4443.71

DATE: 03/24/10
BY: P.S.B. REDLINES AS PER 03/02/10 COMMENTS E.F.G.
REVISIONS: 04/06/10 P.S.B. REDLINES AS PER 03/28/10 COMMENTS E.F.G.
08/03/10 EDIT ASBUILT INVERTS TO SEWER LINE

PROJECT NAME
CHAPARRAL PARK UNIT FORTY FOUR

BEING A PORTION OF TRACT 1B, H. G. FOSTER, SURVEY NO. 258, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 13.176 ACRES

SCALE: 1" = 30'

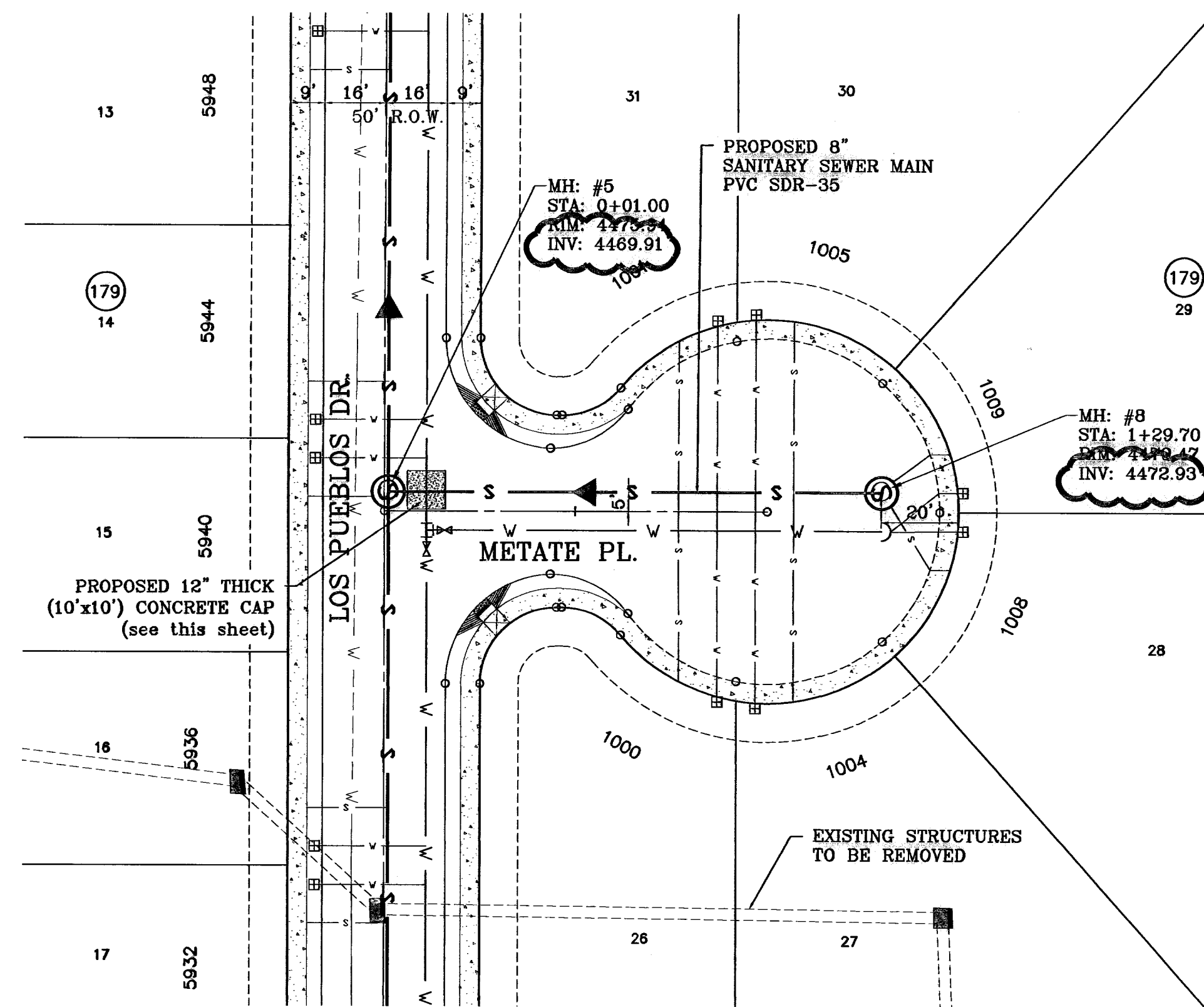
SCALE
HORIZ: 1" = 30'
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DATE: DEC. 2009
DESIGN BY: YC
INITIATED BY: YC
CHECKED BY: JC
JOB NO.: 1109-13

ENGINEER'S SEAL
CONDE INC.
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SURVEYING / GPS
6080 SURETY DR. STE 100
EL PASO, TEXAS 79905
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FAX (915) 592-0286

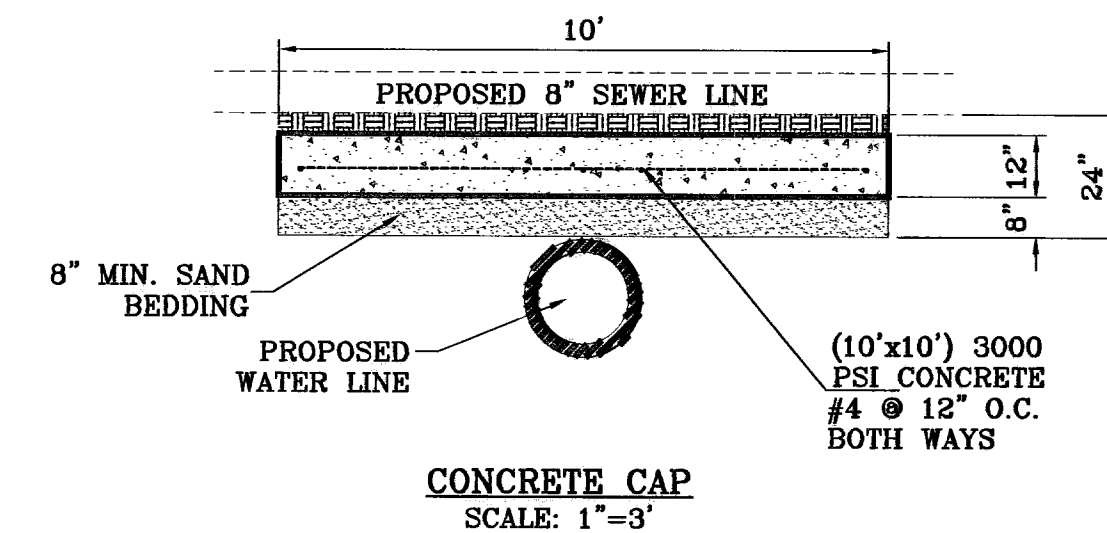
SHEET TITLE
SANITARY SEWER PLAN LOS PUEBLOS DR.
STA. 5+50 TO STA. 12+37

SHT 23 OF 26

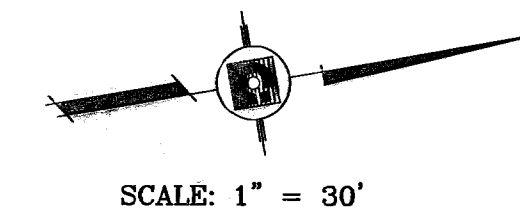
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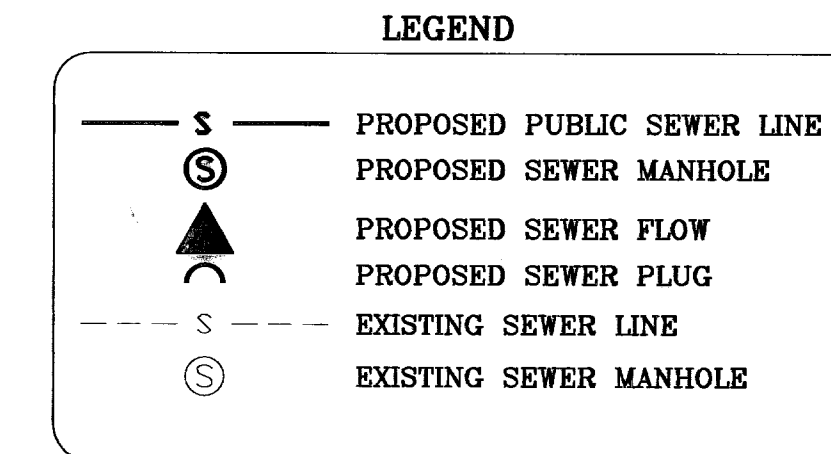
SANITARY SEWER 1B-PLAN VIEW
SCALE: 1"=30'



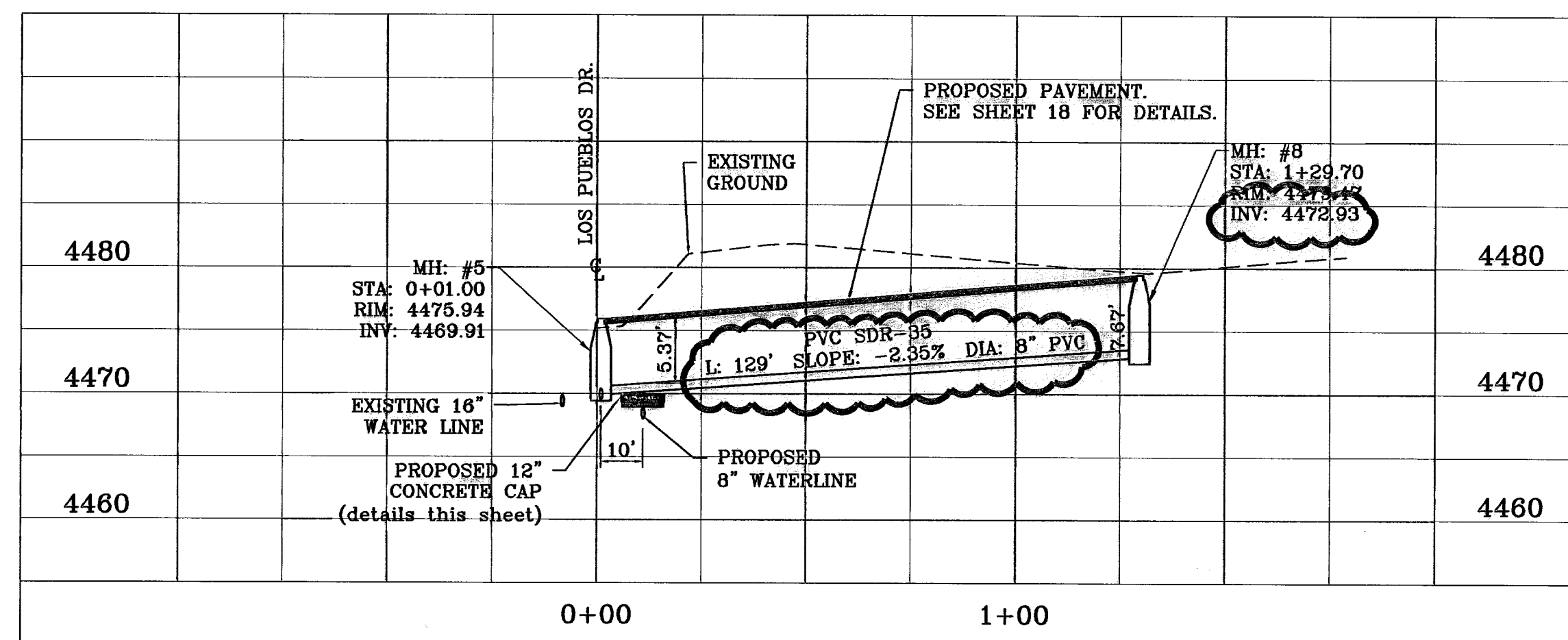
CONCRETE CAP
SCALE: 1"=3'



SCALE: 1" = 30'



SANITARY SEWER SERVICE LINES
4" - 6"



SANITARY SEWER 1B-PROFILE
HORIZONTAL SCALE: 1"=30'
VERTICAL SCALE: 1"=10'

SEWER NOTES:

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BENCHMARK	CITY MONUMENT 17.23' EAST OF CENTERLINE INTERSECTION OF VIA DE LA PAZ DR. AND LOS PUEBLOS DR. ELEVATION 4443.71
DATE	03/24/10
REVISIONS	F.S.E. REDLINES AS PER 03/02/10 COMMENTS E.F.C.
BY	F.S.E. REDLINES AS PER 03/26/10 COMMENTS E.F.C.
DATE	06/3/10
REVISIONS	EDIT ASBUILT INVERTS TO SEWER LINE
BY	RO

PROJECT NAME
**CHAPARRAL PARK
UNIT FORTY FOUR**
BEING A PORTION OF TRACT 1B, H. G. FOSTER, SURVEY NO. 255, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 15.170 ACRES

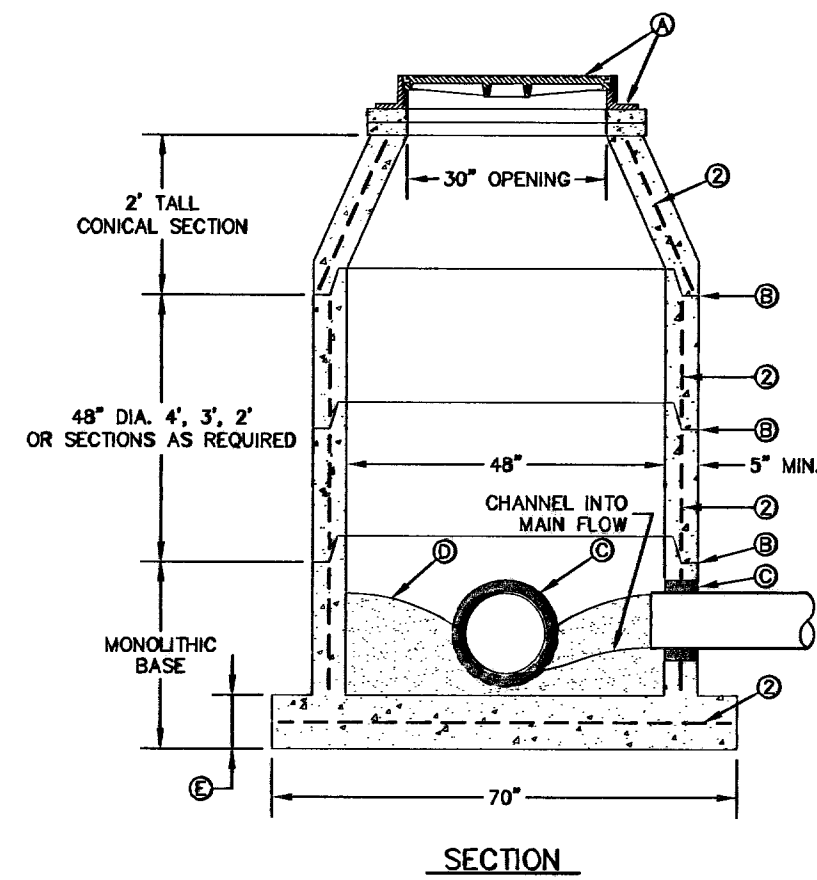
SCALE	HORIZ. 1" = 30' VERT. 1" = 10'
DATE	DEC. 2009
DESIGN BY	YC
INITIATED BY	RO
CHECKED BY	YC
JOB NO.	1109-13



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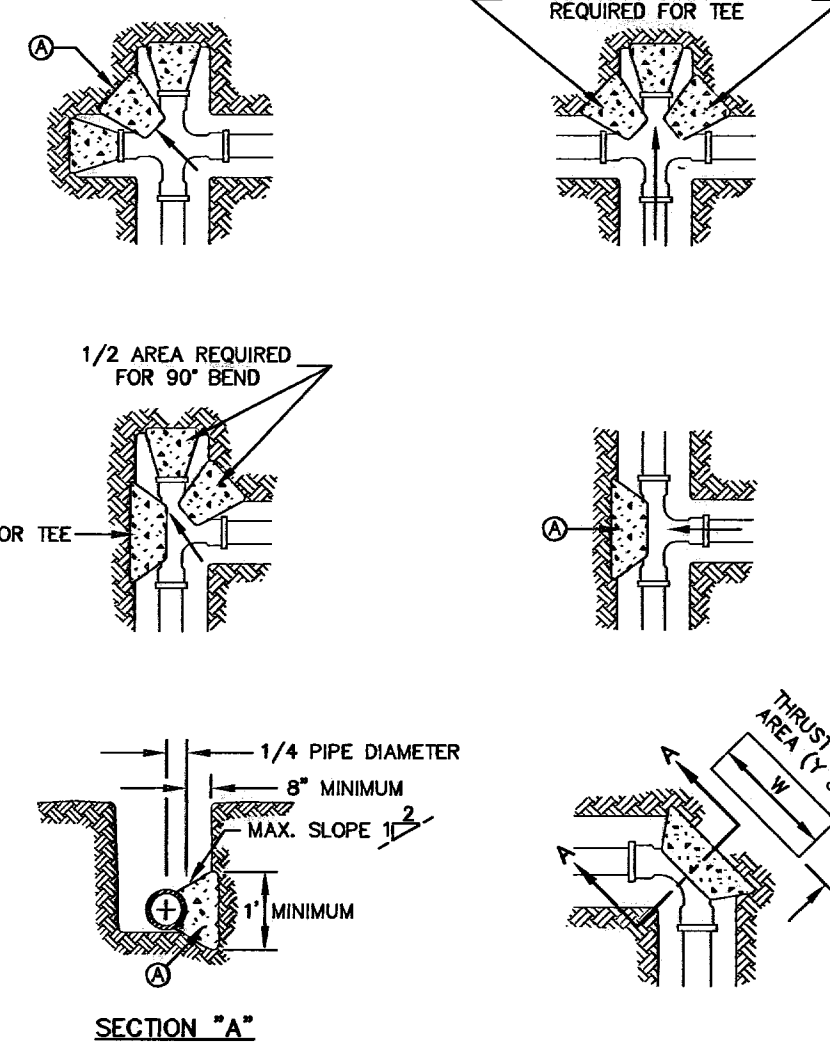
SHEET TITLE
**SANITARY
SEWER PLAN
METATE PL.**



SECTION
STANDARD MANHOLE TYPE "A"
N.T.S.

- GENERAL NOTES:**
- MANHOLE TYPE "A" SHALL BE USED FOR LINES 24" AND SMALLER.
 - PRE-CAST MANHOLE SECTIONS SHALL BE OF REINFORCED CONCRETE CONFORMING TO ASTM C-478 AND SHALL MEET HS-20 LOADING. PROVIDE REINFORCEMENT WITHIN 3" OF OPENINGS OR KNOCKOUTS, OPENINGS UP TO 8" MADE IN FIELD SHALL BE CORE DRILLED.
 - CEMENT SHALL BE TYPE I-II, PER ASTM C-150, AND MUST CONTAIN A MINIMUM OF 4% FLY ASH OF THE TOTAL MANHOLE WEIGHT.
 - THE BASE & RISER SHALL BE INTEGRALLY CAST CONCRETE SHALL BE MIN. 28 DAY COMPRESSIVE STRENGTH 4000PSI.
 - MANUFACTURER TO PROVIDE LIFTERS OF ADEQUATE SIZE AS NEEDED.
 - THE SUBGRADE UNDER THE BASE SHALL BE COMPACTED TO 95% DENSITY IN ACCORDANCE WITH ASTM D-1557.
 - MANHOLE BELOW GROUNDWATER TO BE EXTERNALLY AND INTERNALLY COATED WITH BITUMINOUS COATING.

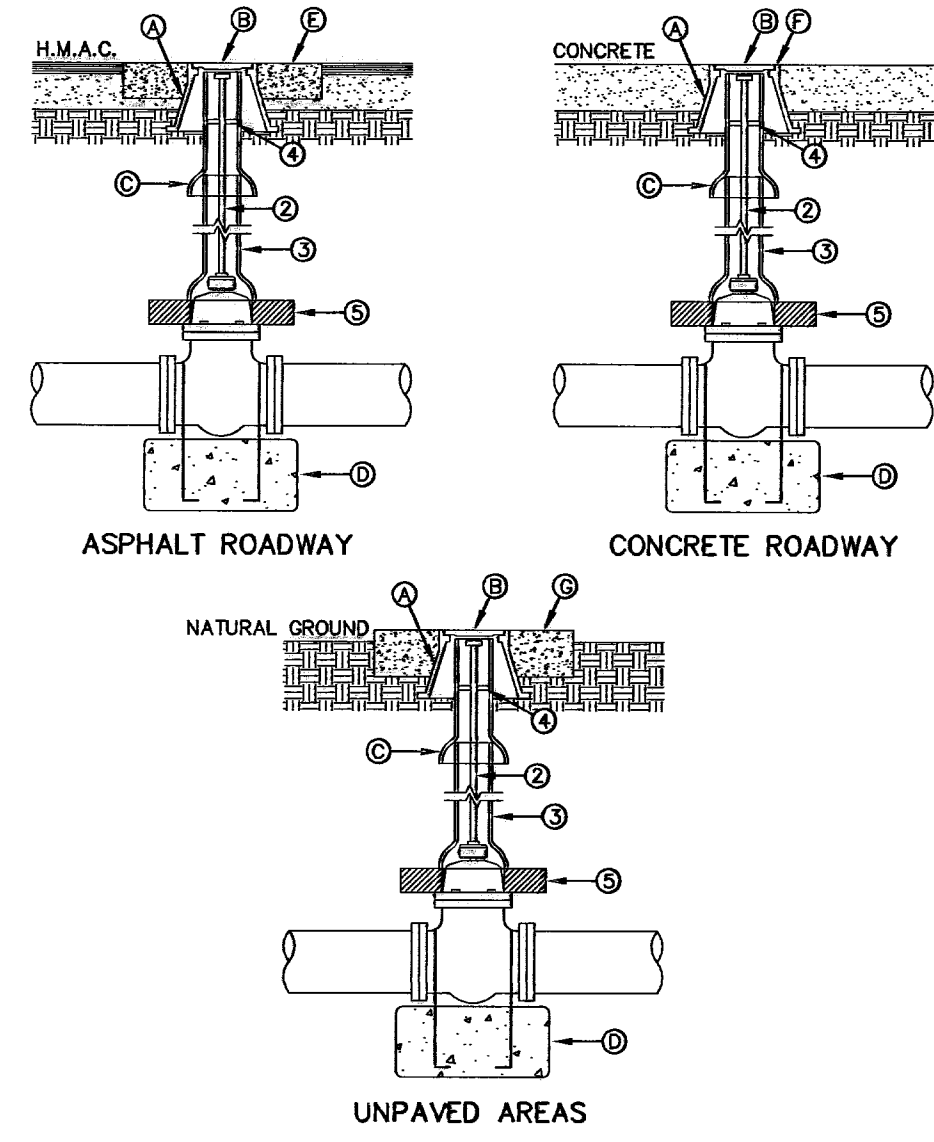
- CONSTRUCTION KEY NOTES:**
- MANHOLE RING AND COVER (SEE DETAILS 377 & 378). SET FRAME AND COVER FLUSH WITH ROADWAY SURFACE OR FINISHED GRADE (SEE DETAIL 185).
 - ALL JOINTS TO BE TONGUE, GROOVE AND SEALED WITH RAM-NEX OR APPROVED EQUAL.
 - PIPE OPENINGS/KNOCKOUTS AS REQUIRED TO FIT PIPE SIZE AND SHALL HAVE FLEXIBLE PIPE TO MANHOLE CONNECTORS (COMPRESSION TYPE ASTM-923), "WORM-N-SEAL" OR APPROVED EQUAL. D. GROUT AS REQUIRED.
 - CONCRETE BASE SHALL BE 8" FOR MH'S UP TO 12" DEEP AND 12" FOR DEPTHS GREATER THAN 12".



- GENERAL NOTES:**
- TABLE IS BASED ON 2000#/SQ. FT. SOIL IF CONDITIONS ARE FOUND TO INDICATE SOIL BEARING IS LESS, THE AREAS SHALL BE INCREASED ACCORDINGLY.
 - AREAS FOR PIPE LARGER THAN 18" SHALL BE CALCULATED.
 - CONCRETE SHALL HAVE A MINIMUM COMPRESSION STRENGTH OF 2500 PSI.
 - THRUST BLOCK IS TO EXTEND TO UNDISTURBED SOIL.
 - SIZE MAY BE DECREASED FOR LESSER DEGREE BEINGS AS DETERMINED BY ENGINEER.
 - KEEP CONCRETE CLEAR OF M.J. OR BELL AND SPOOT JOINTS.
 - BLOCK IN A SIMILAR MANNER AT TEES, HYDRANTS, PLUS OTHER LOCATIONS AS REQUIRED.
 - WHEN NECESSARY ADDITIONAL THRUST RESTRAINT METHODS MAY BE USED, SUCH AS MECHANICAL JOINT RESTRAINTS, TIE-RODS (INSTALLED PER MANUFACTURER'S RECOMMENDATIONS) OR OTHER APPROVED METHODS.

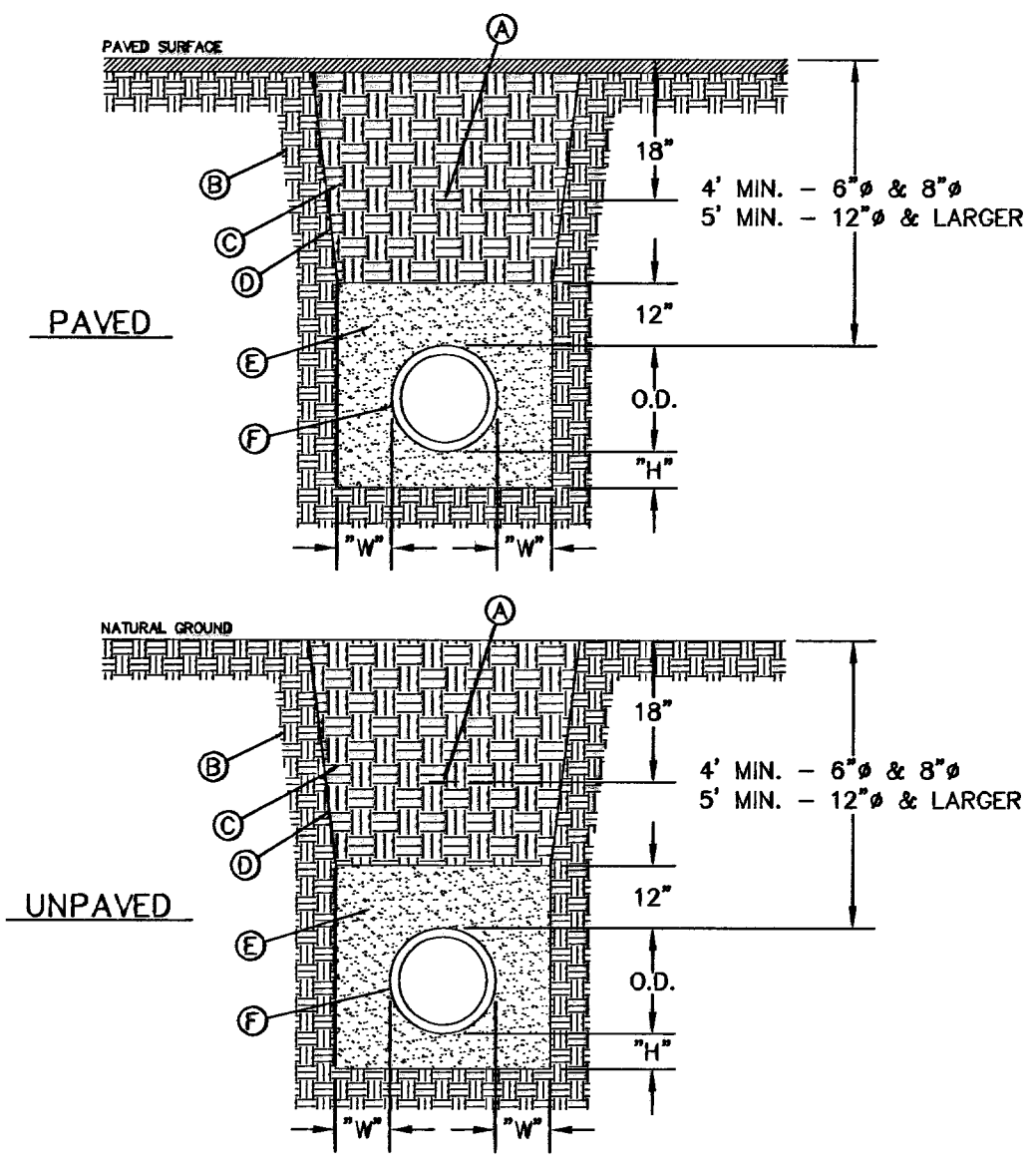
- CONSTRUCTION KEY NOTES:**
- LENGTH "Y" & "W" AS REQUIRED TO OBTAIN BEARING AREA AGAINST UNDISTURBED SOIL.
 - ADDITIONAL EXCAVATION IF NECESSARY TO OBTAIN REQUIRED BEARING AREA.
 - MINIMUM THRUST BLOCK AREA REQUIREMENTS FOR (Y & W) AS FOLLOWS:

PIPE SIZE	TEE, DEAD END 45° AND 90° BEND	22 1/2° BENDS
4" & LESS	3 SQ. FEET	3 SQ. FEET
6"	4 SQ. FEET	3 SQ. FEET
8"	6 SQ. FEET	3 SQ. FEET
10"	9 SQ. FEET	5 SQ. FEET
12"	13 SQ. FEET	7 SQ. FEET
16"	23 SQ. FEET	12 SQ. FEET
18"	29 SQ. FEET	15 SQ. FEET



- GENERAL NOTES:**
- VALVE TYPE AND VALVE ENDS SHALL BE AS SHOWN ON THE PLANS.
 - ALL BURIED VALVES 5' AND DEEPER SHALL BE PROVIDED WITH SOLID STEEL EXTENSION STEM OPERATOR WITH 2" SQUARE AWWA NUT WITHIN 36" OF VALVE BOX COVER. NUT IS TO INDICATE DIRECTION OF ROTATION TO OPEN VALVE.
 - 8" DIA. MINIMUM WITRIFIED CLAY OR SDR 35 P.V.C. PIPE, PIPE SHALL NOT REST ON VALVE BODY.
 - 4" THICK STEEL TRASH RING VALVE BOX INSIDE DIAMETER MINUS 1/2".
 - MINIMUM 24" CONCRETE OR BRICK ALL AROUND.
 - CLEAN BONNET BOX OF ALL DEBRIS AND SOIL.
 - COAT BURIED PIPE AND BONNET BOX PER SPECIFICATIONS. VALVE SHALL BE WRAPPED IN POLYETHYLENE IN ACCORDANCE WITH SPECIFICATIONS.

- CONSTRUCTION KEY NOTES:**
- BONNET BOX (SEE DETAIL 268).
 - BONNET BOX COVER (SEE DETAILS 269-1 & 269-2).
 - FINAL EXTENSION TO BONNET BOX SHALL BE WITH BELL AND SPOOT ENDS (CLAY OR SDR 35 P.V.C. SPOOT).
 - CONCRETE VALVE ANCHOR (SEE DETAIL 271).
 - ECONCRETE COLLAR (SEE DET 184-1) FLUSH WITH TOP OF H.M.A.C.
 - BONNET BOX FLUSH WITH TOP OF CONCRETE. CONCRETE COLLAR NOT NEEDED.
 - CONCRETE APRON (SEE DETAIL 184-2) FLUSH WITH BONNET BOX AND 2" ABOVE NATURAL GROUND.

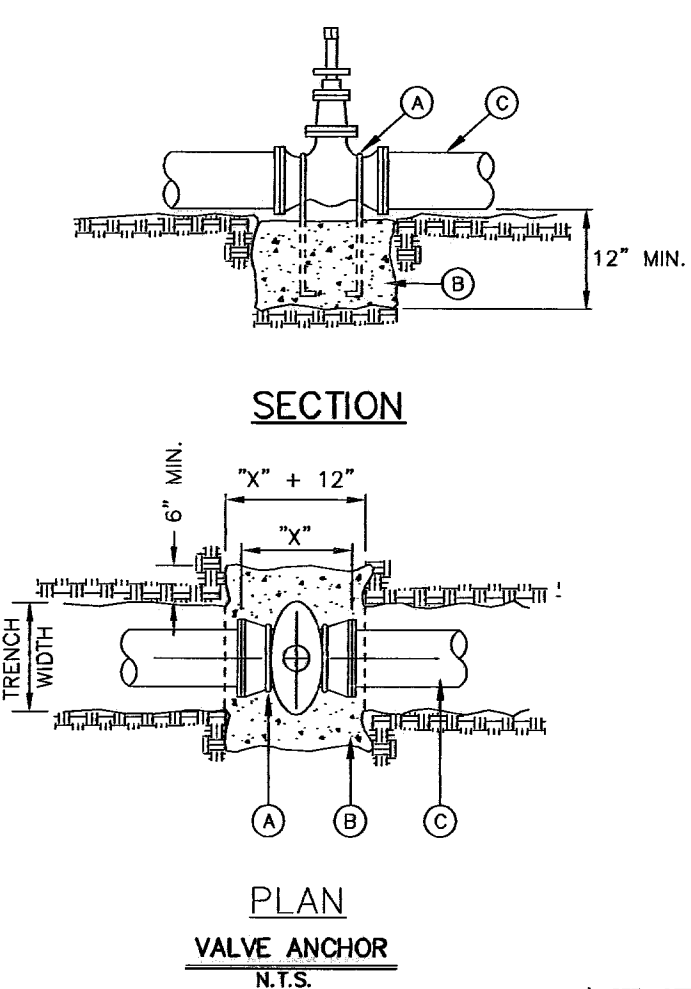


EMBEDMENT CLASS A & B FOR RIGID PIPE
N.T.S.

- GENERAL NOTES:**
- BEDDING FOR PRESSURE AND GRAVITY PIPE IN DRY CONDITIONS.
 - PROVIDE TRENCH SAFETY SYSTEM FOR TRENCH DEPTHS GREATER THAN 5 FEET.
 - IF THE NATIVE MATERIAL EXCAVATED FROM THE TRENCH IS UNSUITABLE AS BACKFILL MATERIAL, OR THE REQUIRED COMPACTION IS UNATTAINABLE, THE CONTRACTOR SHALL, AT HIS EXPENSE, IMPORT SELECT MATERIAL TO BE MIXED WITH OR USED IN PLACE OF THE NATIVE MATERIAL. SELECT MATERIAL MUST BE APPROVED BY EPDM. SUBSTITUTE SOIL CEMENT SLURRY (1-SACK) IF REQUIRED IN SPECS.

- CONSTRUCTION KEY NOTES:**
- APPROVED MARKING TAPE.
 - UNDISTURBED STABLE MATERIAL.
 - NATIVE MATERIAL BACKFILL.
 - PAVED CONDITIONS: COMPACT TO 90% DENSITY PER ASTM D-1557 MODIFIED PROCTOR.
 - UNPAVED CONDITIONS: COMPACT TO 85% DENSITY PER ASTM D-1557 MODIFIED PROCTOR. (SEE NOTE #3 IF THESE PREVIOUS CONDITIONS CANNOT BE MET.)
 - SLOPE TRENCH IN SANDY SOIL CONDITIONS. USE CLASS II OR CLASS III SAND PER ASTM D-2487. NATIVE MATERIAL OR IMPORTED SELECT MATERIAL MEETING OR EXCEEDING THIS REQUIREMENT MAY BE USED. COMPACT TO 90% DENSITY PER ASTM D-1557 MODIFIED PROCTOR.
 - APPROVED PIPE.
 - TRENCH DIMENSIONS AS FOLLOWS:

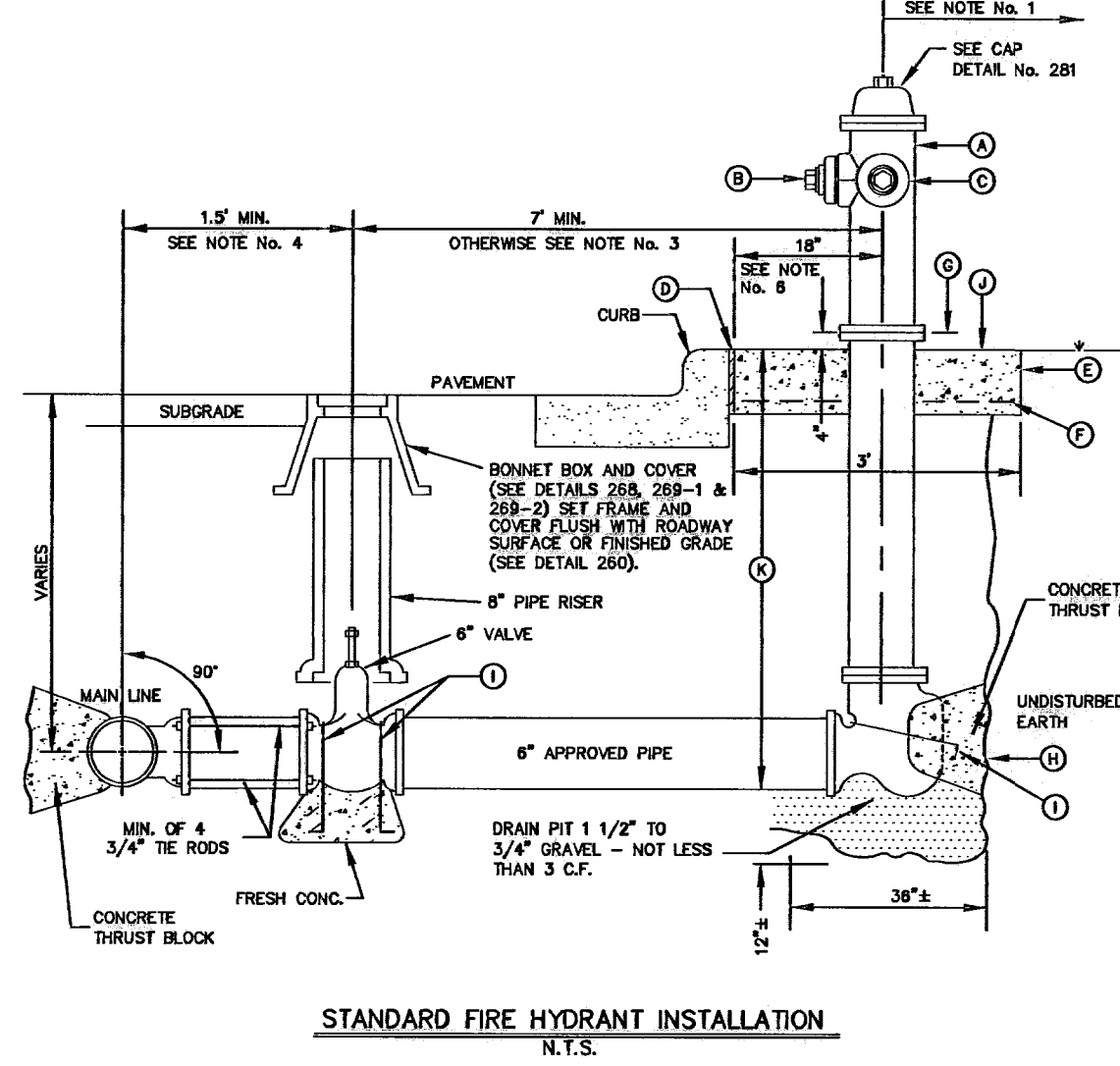
PIPE DIAMETER	4"	6"
8" - 30"	4"	6"
GREATER THAN 30"	6"	8"
PIPE DIAMETER	4"	6"
8" - 30"	8"	12"
GREATER THAN 30"	12"	12"



SECTION
PLAN
VALVE ANCHOR
N.T.S.

- GENERAL NOTES:**
- THE ENGINEER SHALL PROVIDE DESIGN FOR ALL VALVES GREATER THAN 12".
 - COMPLY WITH REQUIREMENTS OF AWWA C-500, PROTECTIVE EPOXY INTERIOR COATINGS FOR VALVES.

- CONSTRUCTION KEY NOTES:**
- TWO NO. 5 REBAR HAIR PINS, PAINT UNEMBEDDED PORTION OF REBARS WITH TWO COATS OF COAL TAR EPOXY.
 - CONCRETE VALVE SUPPORT, 2500 PSI. CONCRETE.
 - APPROVED PIPE.

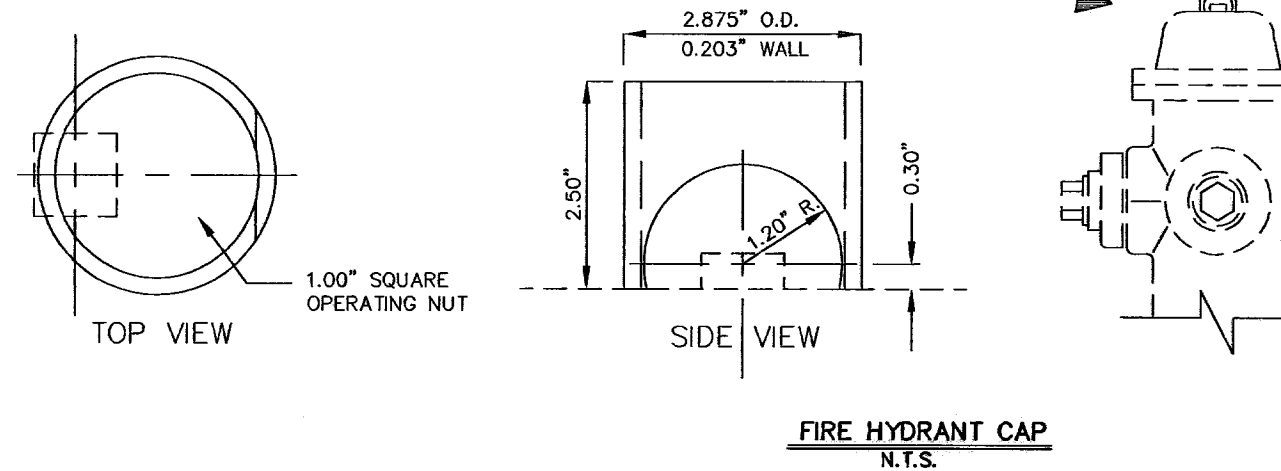


STANDARD FIRE HYDRANT INSTALLATION
N.T.S.

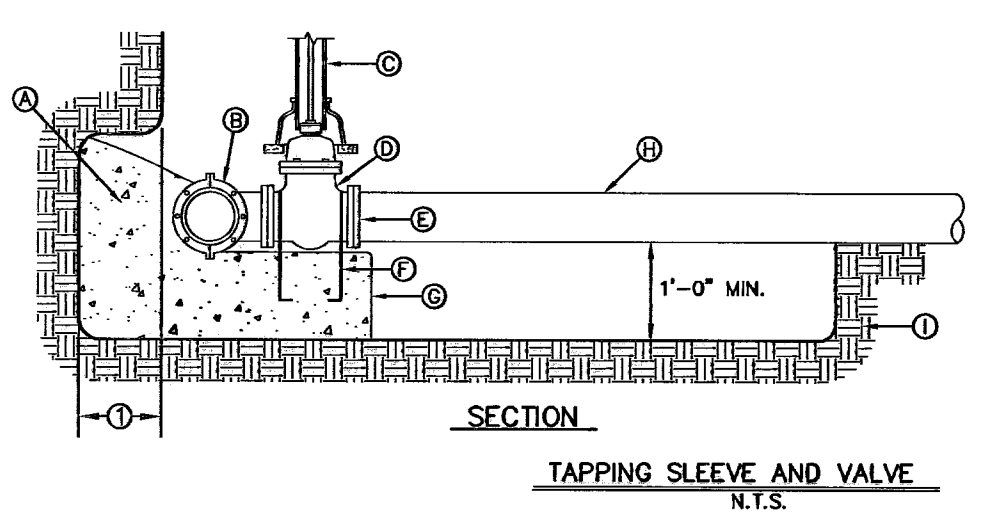
- GENERAL NOTES:**
- NO OBSTRUCTIONS WILL BE PERMITTED WITHIN 5 FT. IN ALL DIRECTIONS OF FIRE HYDRANT (PER EL PASO MUNICIPAL CODE, TITLE 12). FIRE HYDRANT SHALL NOT BE PLACED IN WHEEL CHAIR RAMP OR DRIVEWAY.
 - FIRE HYDRANT SHALL BE LOCATED AT THE BEGINNING OF CURB RETURN OR AT THE PROPERTY LINE COMMON TO ADJOINING LOTS UNLESS OTHERWISE SHOWN ON PLANS. REFER TO DETAIL No. 282 FOR SPECIAL CASES.
 - WHERE DISTANCE IS LESS THAN 7', HYDRANT SHALL BE INSTALLED IN ACCORDANCE WITH DETAIL No. 282.
 - VALVE MAY BE CONNECTED TO TEE AT MAIN LINE. USE FLANGED MECHANICAL JOINT ENDS WHERE SPOOL IS REQUIRED BETWEEN TEE AND VALVE. USE FLANGED MECHANICAL ENDS WITH 3/4" DIAMETER TIE RODS.
 - COMPLY WITH REQUIREMENTS OF AWWA C-502, DRY BARRELS FOR HYDRANTS AND AWWA C-500, PROTECTIVE EPOXY INTERIOR COATINGS FOR VALVES AND HYDRANTS.
 - WHEN INSTALLATION IS WITHIN 1 FOOT RIGHT OF WAY, HYDRANT SHALL NOT BE PLACED IN SIDEWALK AREA OR ANY CLOSER THAN 5' FROM BACK OF CURB.

- CONSTRUCTION KEY NOTES:**
- FIRE HYDRANT PER SPECS.
 - PUMPER NOZZLE 4/4" TO BE FACING THE TRAVELED WAY, UNLESS OTHERWISE NOTED IN THE PLANS.
 - HOSE NOZZLE 2 1/2".
 - 3" PRISMOLOID EXPANSION JOINT WITH 1" TOP FILLER.
 - 3"x3" CONG. SQ. PAD, TO BE CONSTRUCTED AROUND FIRE HYDRANT CENTER LINE WHEN NOT LOCATED WITHIN SIDEWALK OR CONC. AREA.
 - 8/8 W/F.
 - CONTROLLED ELEVATION LINE, LEVEL IN ALL DIRECTIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR SETTING TOP FLANGE OF THE HYDRANT TO CONTROLLED ELEVATION.
 - CONG. THRUST BLOCK APPROX. 2'x2'x3" TO BE POURED AGAINST UNDISTURBED EARTH. F.H. KEEP HOLE MUST BE UNOBSTRUCTED.
 - 2"x1/4" STEEL ANCHOR PINS.
 - TOP OF SLAB SHALL BE AT CURB LEVEL 4" BELOW THE BREAK LINE OF THE HYDRANT UNDER SPECIAL CONDITIONS THE ENGINEER MAY ALLOW VARIATIONS TO THIS CONSTRUCTION.
 - CONTRACTOR IS TO PROVIDE ADDITIONAL SPOOLS IF NEEDED TO MAINTAIN THE 4" MIN. CLEARANCE FROM THE CONTROLLED ELEV. LINE TO TOP OF SLAB.

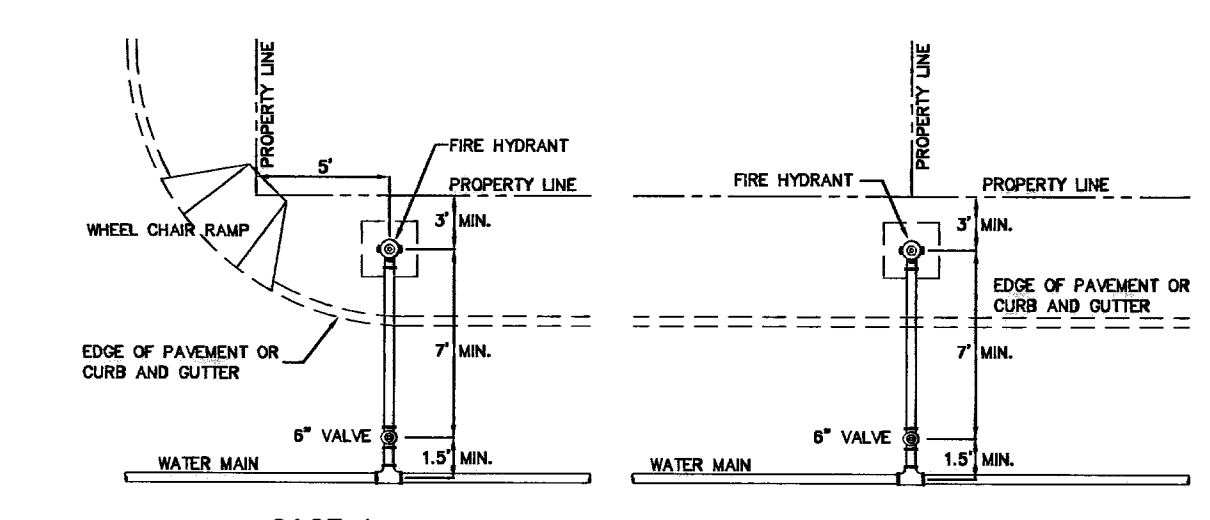
- GENERAL NOTES:**
- STEEL CAPS TO BE MACHINED FROM STEEL PIPE: NOMINAL SIZE = 2 1/2" DIA. OUTSIDE DIA. = 2.875" WALL THICKNESS = 0.203 LBS/FT. = 5.79
 - CAPS ARE TO BE TACK WELDED OR BRAZED ON FIRE HYDRANT BONNET OR WEATHER CAP.
 - THE CAPS OVER THE OPERATING NUT WILL PREVENT ACCESS TO THE UNAUTHORIZED USE OF HYDRANT WATER.



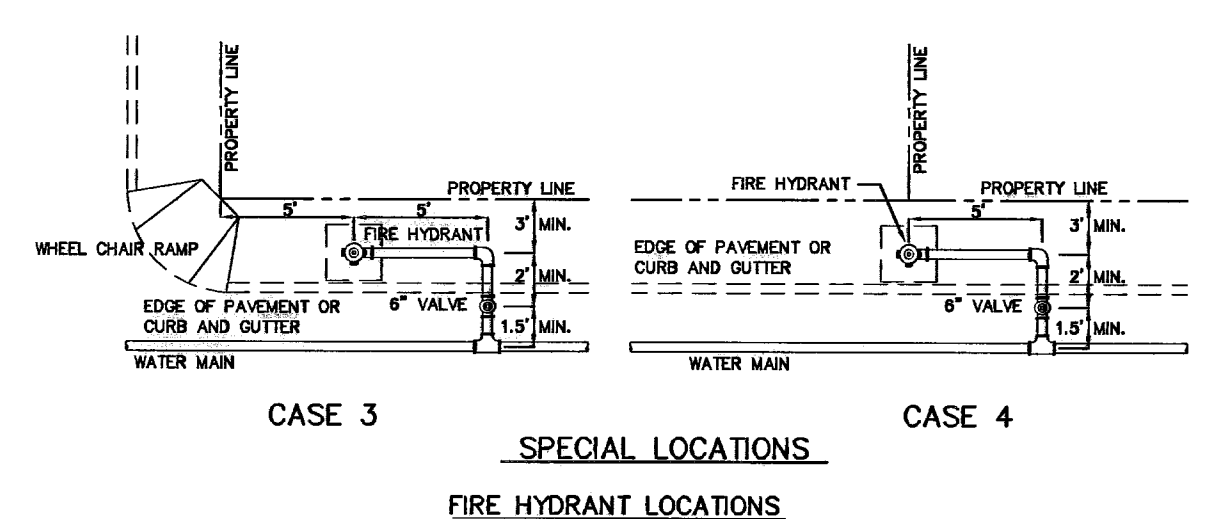
FIRE HYDRANT CAP
N.T.S.



SECTION
TAPPING SLEEVE AND VALVE
N.T.S.



CASE 1
CASE 2
STANDARD LOCATIONS



CASE 3
CASE 4
SPECIAL LOCATIONS
FIRE HYDRANT LOCATIONS
N.T.S.

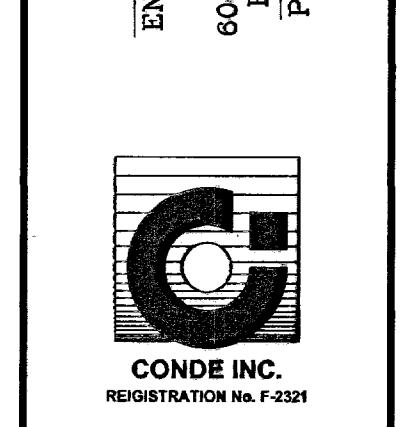
- GENERAL NOTES:**
- FOR CASE 1 FIRE HYDRANT SHALL BE LOCATED AT A DISTANCE OF 5 FT. MINIMUM FROM THE PROPERTY LINE OR AT THE BEGINNING OF CURB RETURN.
 - FOR CASE 2 FIRE HYDRANT SHALL BE LOCATED AT THE PROPERTY LINE COMMON TO ADJOINING LOTS.
 - FOR CASE 3 AND IV WHERE THE DISTANCE BETWEEN THE VALVE AND THE HYDRANT IS LESS THAN 7 FT. PLACE HYDRANT AS SHOWN.
 - FOR INSTALLATION OF FIRE HYDRANT SEE DETAIL 280-1 OR 280-2.
 - A MINIMUM CLEARANCE OF 3 FT. WILL BE PROVIDED BETWEEN A FIRE HYDRANT AND A PERMANENT OBSTRUCTION (UTILITY POLE, LIGHT STAND, TRAFFIC SIGNAL, WHEEL CHAIR RAMP, FENCE PROTECTIVE POSTS, ETC.).
 - WHEN INSTALLATION IS WITHIN 1 FOOT RIGHT OF WAY, HYDRANT SHALL NOT BE PLACED IN SIDEWALK AREA OR ANY CLOSER THAN 5' FROM BACK OF CURB.

BENCHMARK
CITY MONUMENT 17.23' EAST OF CENTERLINE INTERSECTION OF VIA DE LA PAZ DR. AND LOS PUEBLOS DR.
ELEVATION 4448.71
DATE
REVISIONS
03/24/10 P.S.E. REDLINES AS PER 03/02/10 COMMENTS R.F.C.
BY

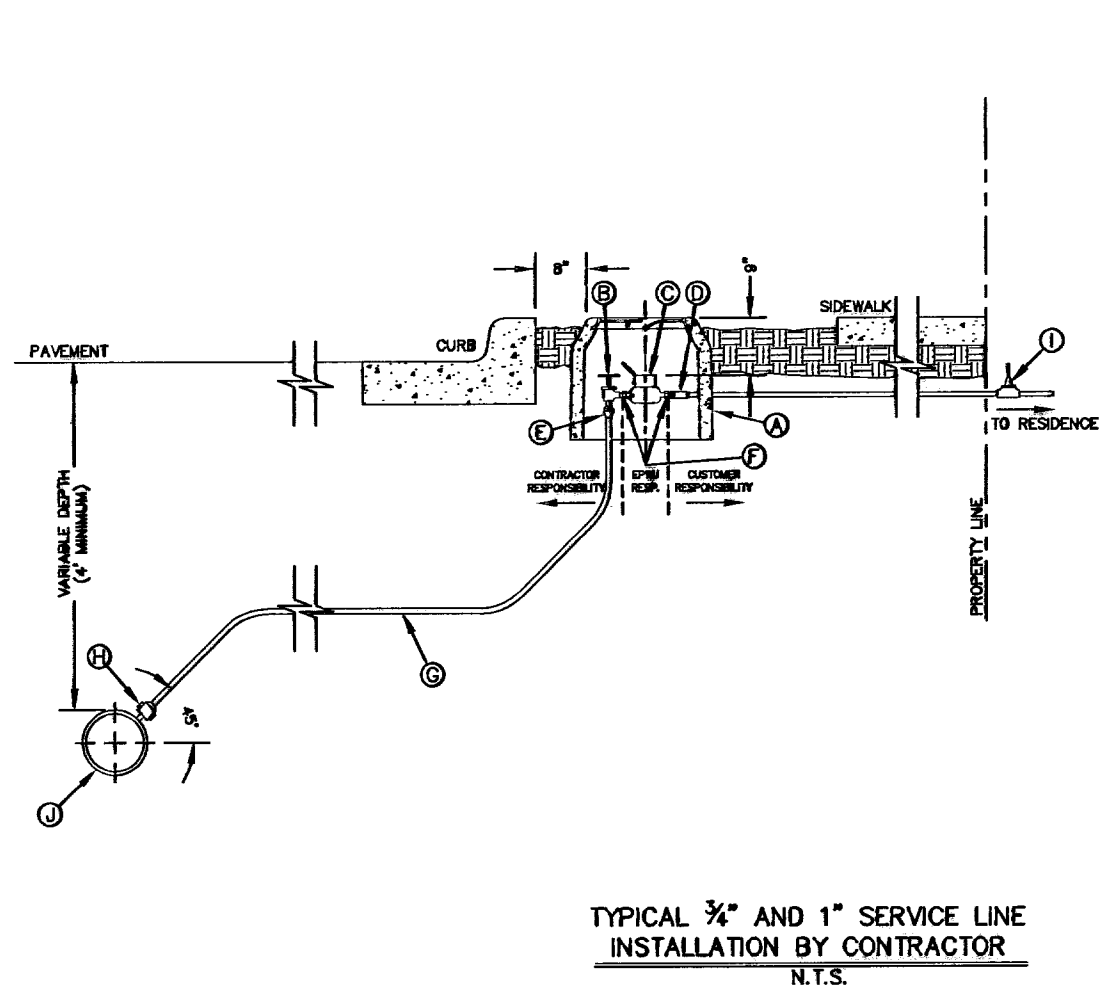
PROJECT NAME
CHAPARRAL PARK UNIT FORTY FOUR
BEING A PORTION OF TRACT 17, H. G. FUSSELL SURVEY, AN OLD COUNTY TRACT IN EL PASO COUNTY, TEXAS CONTAINING 13.176 ACRES

ENGINEER'S SEAL
S C A L E
HORIZ: ---
VERT: ---
DATE: DEC. 2009
DESIGNED BY: JC
INTENDED BY: YC
CHECKED BY: YC
JOB NO.: 1109-13

CONDE INC.
ENGINEERING / PLANNING SURVEYING / GFS
6060 SURVEY DR. STE 100
EL PASO, TEXAS 79905
PHONE: (915) 592-0283
FAX: (915) 562-0286

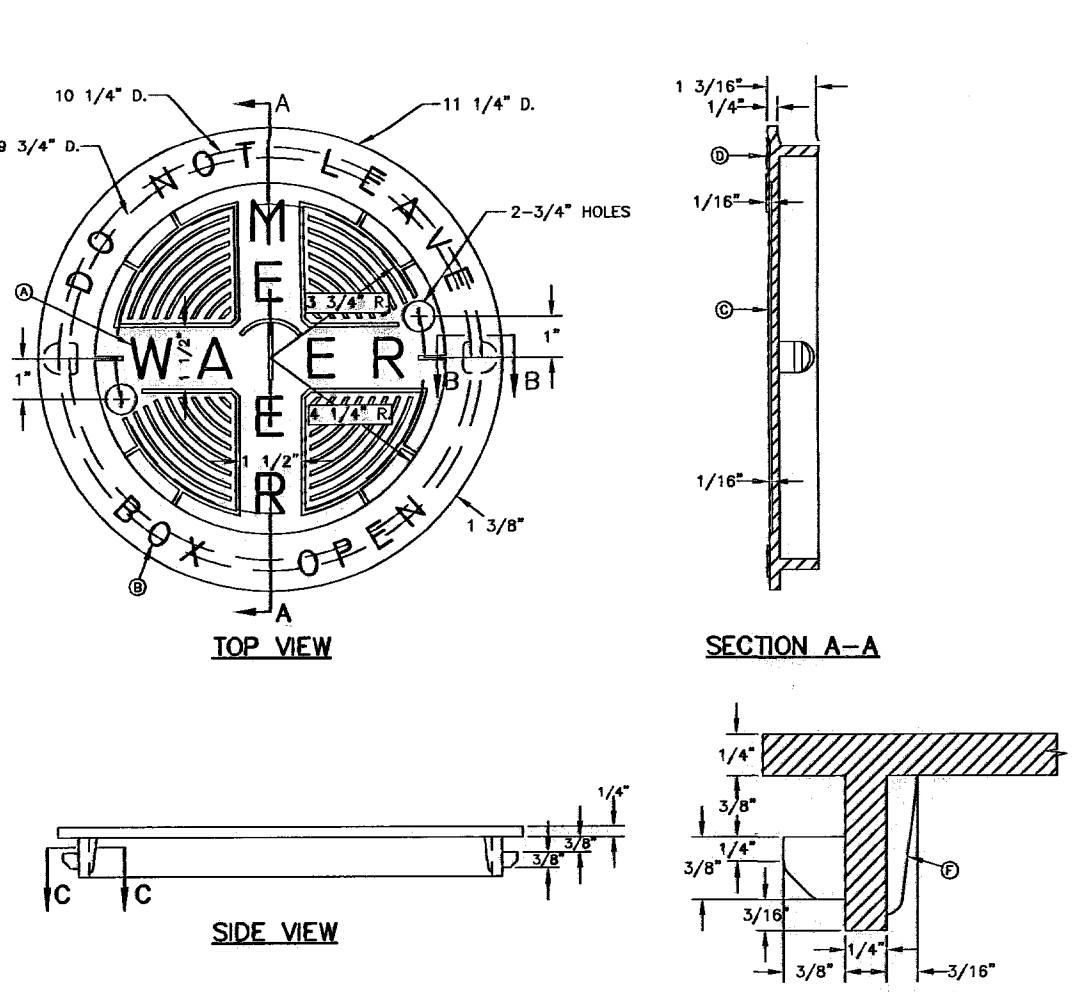


SHEET TITLE
WATER & SEWER DETAILS

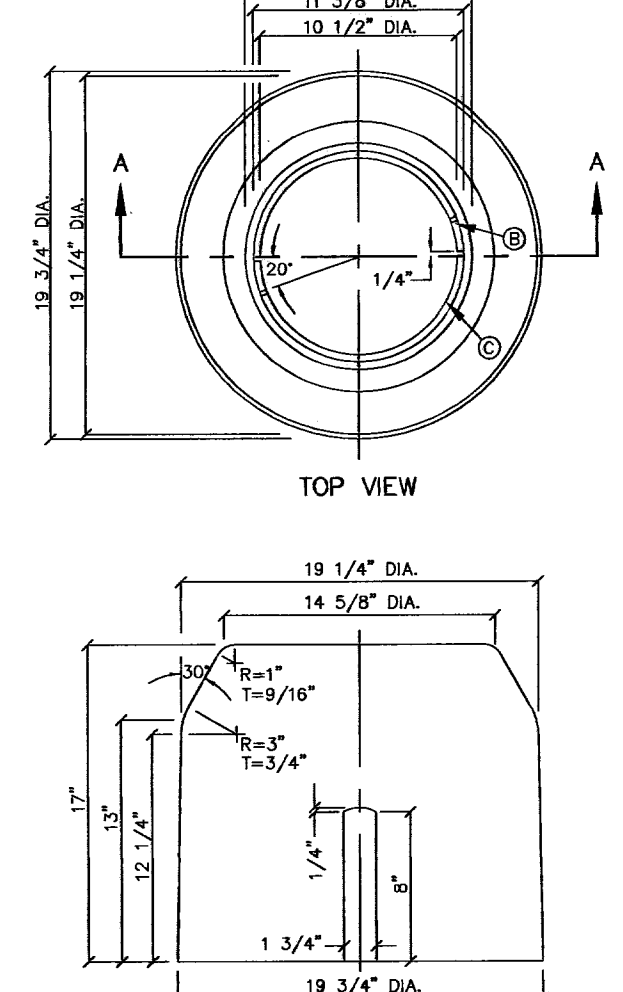


- GENERAL NOTES:**
1. DETAIL SHOWN FOR A 3/4" SERVICE, 1" SERVICE INSTALLATION IS SIMILAR EXCEPT FOR SIZES OF PIPE, FITTING, METER AND BOX (TYPE "B").
 2. WHERE NO CURB EXISTS, METER IS TO BE SET NEAR PROPERTY LINE OR AT DESIGNATED LOCATION.
 3. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL NECESSARY PIPE, FITTINGS, AND METER BOXES REQUIRED. IT SHALL BE THE RESPONSIBILITY OF THE PRIVATE OWNER TO HAVE A CERTIFIED PLUMBER INSTALL A BACKFLOW PREVENTER AND EXTEND SERVICE LINE ON DISCHARGE SIDE OF METER.
 4. NO SPLICING SHALL BE ALLOWED. FULL LENGTH OF PIPING SERVICE SHALL BE INSTALLED.
 5. THE EPWU WILL FURNISH AND INSTALL THE METER.
- CONSTRUCTION KEY NOTES:**
- A. METER BOX TYPE "A" (SEE DETAILS 300 & 301) SHALL BE SET SLIGHTLY HIGHER THAN SURROUNDING GROUND OR AT CURB LEVEL.
 - B. 3/4" ANGLE SERVICE VALVE.
 - C. WATER METER (CENTER INSIDE METER BOX).
 - D. WHEN REQUIRED BY EPWU, A DUAL CHECK BACKFLOW PREVENTER SHALL BE INSTALLED ON THE OUTLET SIDE OF THE METER.
 - E. END FLARE OF SERVICE LINE.
 - F. INLET AND OUTLET COUPLING.
 - G. 3/4" COPPER SERVICE LINE (SEE NOTE 4).
 - H. 5/8" X 3/4" CORPORATION STOP.
 - I. PRESSURE REGULATOR SOMETIMES LOCATED NEAR THE RESIDENCE.
 - J. WATER MAIN.

TYPICAL 3/4" AND 1" SERVICE LINE INSTALLATION BY CONTRACTOR N.T.S.

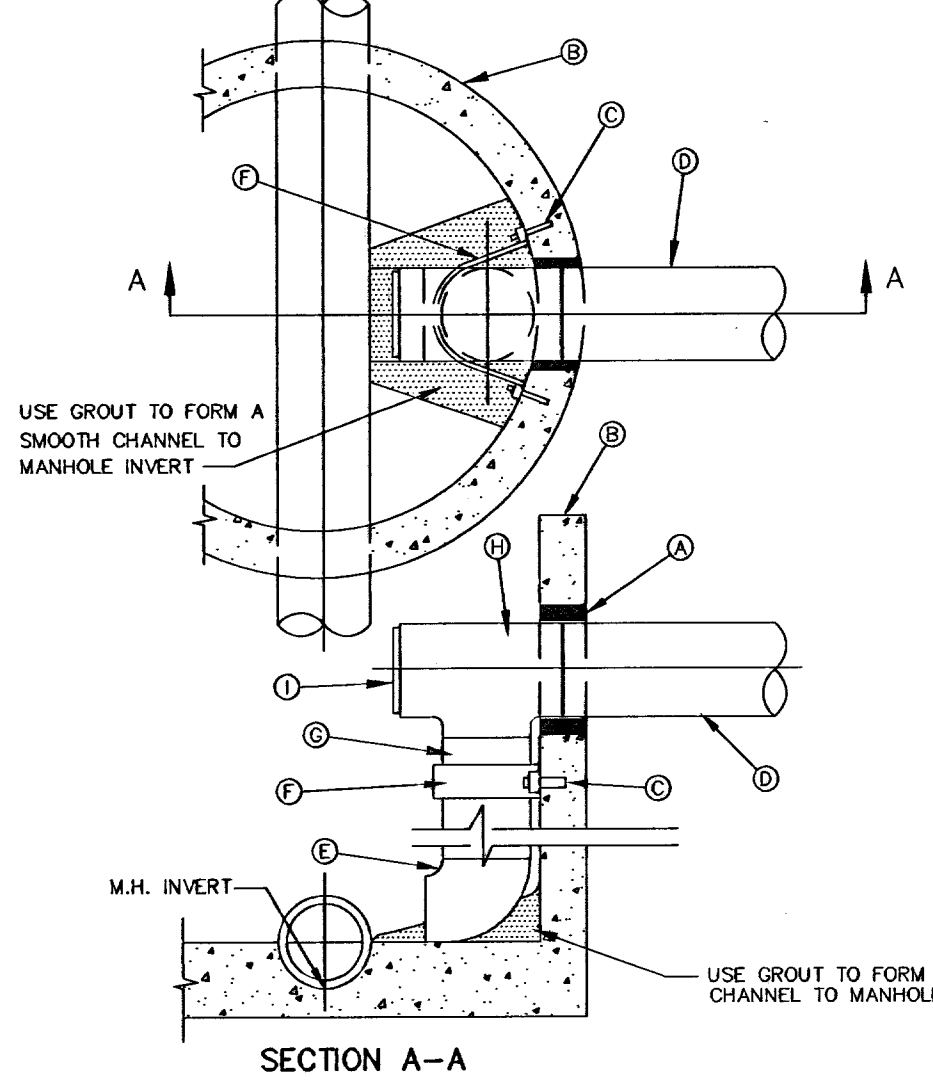


- GENERAL NOTES:**
1. MATCHING SURFACES TO BE ROUGH GROUND OF ANY IRREGULARITIES THAT WOULD PREVENT A SNUG FIT.
 2. CASTING TO BE SMOOTH AND VOID OF AIR.
 3. METER BOX COVER WEIGHT = 1 1/4 lbs.
- CONSTRUCTION KEY NOTES:**
- A. LETTERS TO BE 1" HIGH, 3/4" WIDE, 1/8" THICK.
 - B. LETTERS TO BE 3/4" HIGH, 5/8" WIDE, 1/8" THICK.
 - C. INSIDE LETTERS & RIBS 1/16" TALL.
 - D. OUTSIDE LETTERS 1/16" TALL.
 - E. REINFORCE BACK OF LUG.
 - F. REINFORCEMENT.



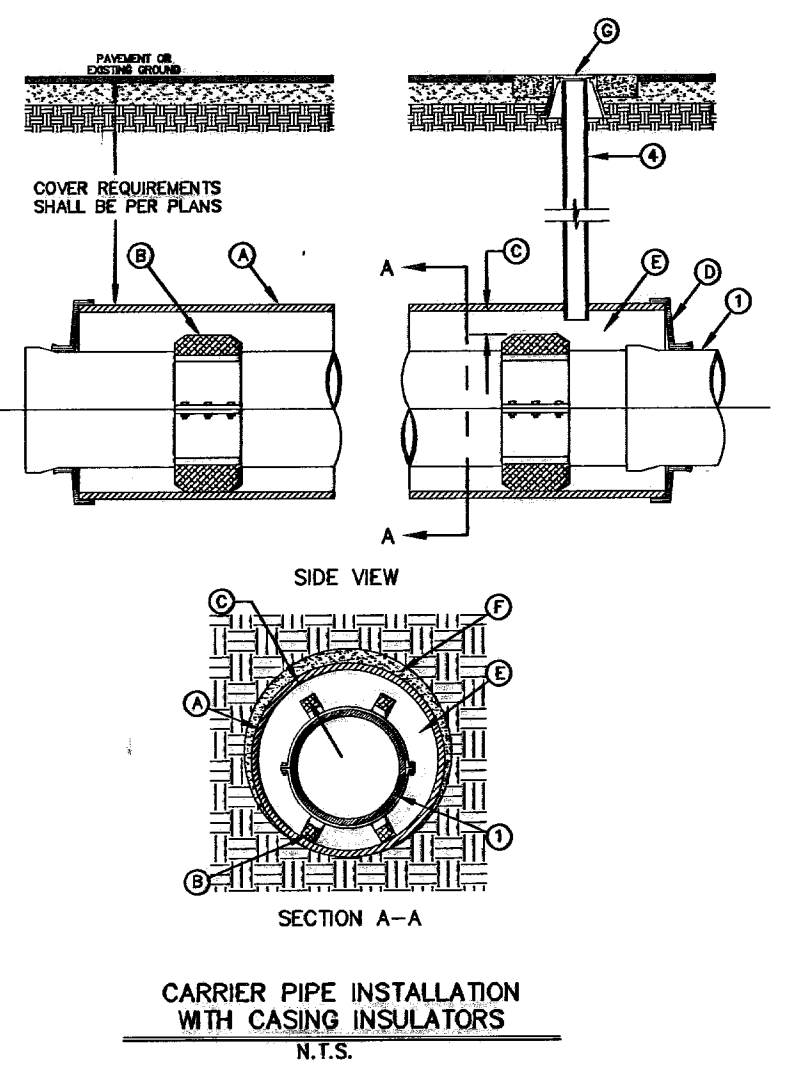
- GENERAL NOTES:**
1. INSTALL TO GRADE MATCHING TOP OF CURB.
 2. ANGLE VALVE SHALL BE IN LINE WITH THE INLET/OUTLET PORTS OF THE METER BOX.
 3. METER BOXES SHALL NOT BE INSTALLED UNDER SIDEWALKS, DRIVEWAYS, OR PROPOSED ABOVE GROUND STRUCTURES.
 4. WHERE NO CURBS EXIST, INSTALL BOXES IN ACCESSIBLE LOCATIONS BEYOND LIMITS OF STREET SURFACING, WALKS AND DRIVEWAYS.
 5. METER BOX RING AND COVER PER EPWU DETAILS 300 AND 301.
 6. WHERE IT IS NECESSARY TO INSTALL A TYPE "A" BOX FOR 3/4" METER UNDER ROADWAYS OF TRAFFIC BEARING SURFACES, BOX SHALL BE ENCASED IN 12" CONCRETE, 3000 PSI. MINIMUM.
 7. METER BOX SHALL BE SINGLE UNIT CONSTRUCTION, CONCRETE TO HAVE A MINIMUM 28 DAYS COMPRESSIVE STRENGTH OF 4000 PSI.
- CONSTRUCTION KEY NOTES:**
- A. 3/16" 9 GAUGE BLACK ANNEALED WIRE.
 - B. LUG-STOP C. CAST IRON RING.

METER BOX TYPE "A" 3/4" SERVICE INSTALLATION N.T.S.



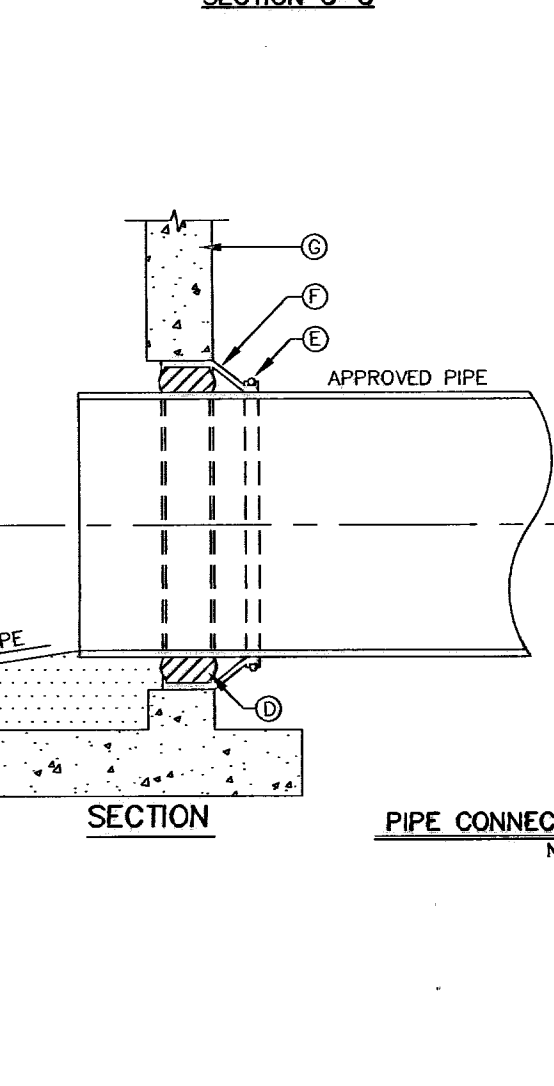
- GENERAL NOTES:**
1. ANCHOR STRAPS & BOLTS, SHALL HAVE ONE HEAVY COAT OF POLYAMIDE CURED COAL TAR EPOXY TO PREVENT CORROSION.
 2. DROP CONNECTIONS TO BE USED ON MANHOLES TYPE A & B.
 3. DROP CONNECTIONS SHOWN HERE ARE LIMITED TO INCOMING COLLECTOR LINES 8" OR LESS DIAMETER, UNLESS OTHERWISE SHOWN IN THE PROJECT DRAWINGS.
- CONSTRUCTION KEY NOTES:**
- A. PIPE OPENINGS IN MANHOLE RISERS SHALL HAVE COMPRESSION TYPE FLEXIBLE PIPE TO MANHOLE CONNECTORS (A.S.T.M. - C923) "KOR-N-SEAL" OR EQUAL.
 - B. MANHOLE WALL.
 - C. 1/2" EXPANSION BOLT TO HAVE 2" MIN. ANCHORAGE INTO MANHOLE.
 - D. APPROVED SEWER PIPE.
 - E. 8" - 90° BEND (P.V.C.).
 - F. 2" WIDE X 3/16" THICK METAL STRAP @ 4" O.C. (AS REQUIRED).
 - G. 8" P.V.C. PIPE (SDR. 35).
 - H. 8" X 8" TEE.
 - I. 8" PLUG.

STANDARD DROP CONNECTION MANHOLE N.T.S.



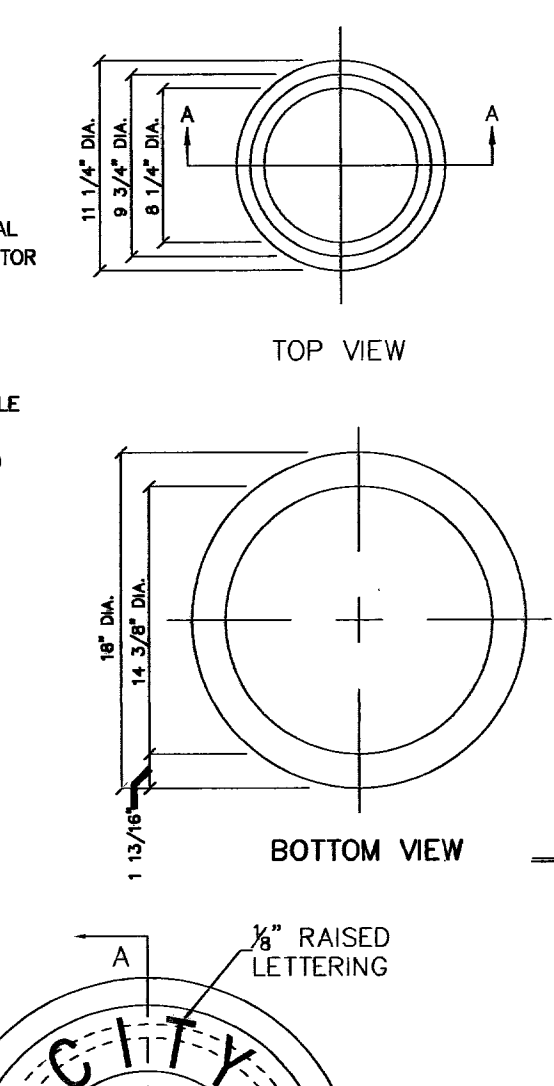
- GENERAL NOTES:**
1. INSTALLATION FOR APPROVED CARRIER PIPE.
 2. CASING SHALL BE INSTALLED USING EITHER JACKING BORING OR TUNNELING METHODS FROM THE END WHICH CREATES A MINIMUM OF ACCESS AND RELOCATION PROBLEMS.
 3. INSULATOR SPACERS SHALL BE USED WHEN SPECIFIED, TO PROVIDE CORROSION PROTECTION.
 4. PRECAUTIONARY GROUT (PG) WITH BONNET BOX AND COVER SHALL BE USED WHEN REQUIRED BY OTHER GOVERNING AGENCIES.
- CONSTRUCTION KEY NOTES:**
- A. USE 3000 PSI MINIMUM FIELD STRENGTH 3000 PSI, SIZE AND LENGTH AS SPECIFIED.
 - B. CASING FITTINGS, SPACERS AND LOCATION PER MANUFACTURER'S RECOMMENDATIONS. INSULATORS SHALL BE SET OVER THE CARRIER PIPE.
 - C. POSITION CARRIER PIPE APPROXIMATELY IN CENTER OF CASING. WHEN SPACING BETWEEN INSULATOR AND CARRIER PIPE SHALL BE 1" MAXIMUM. SPACING SHALL BE 2".
 - D. SOIL SHALL BE SEALED WITH BRICK AND MORTAR, BULKHEAD AND GROUT, OR WITH SYNTHETIC RUBBER SEAL, AS SPECIFIED.
 - E. ANNUAL SPACE SHALL BE LEFT OPEN FOR CATHODICALLY PROTECTED SYSTEM WHERE BOTH CASING AND CARRIER PIPE ARE METALLIC MATERIAL, OR AS OTHERWISE SPECIFIED.
 - F. PRESSURE GROUT ANNUAL SPACE OUTSIDE CASING AFTER CASING IS INSTALLED.
 - G. BONNET BOX AND COVER (SEE DETAILS 288, 289-1 & 289-2) SET FRAME AND COVER FLUSH WITH ROADWAY SURFACE OR FINISHED GRADE (SEE DETAIL 290).

METER BOX COVER N.T.S.



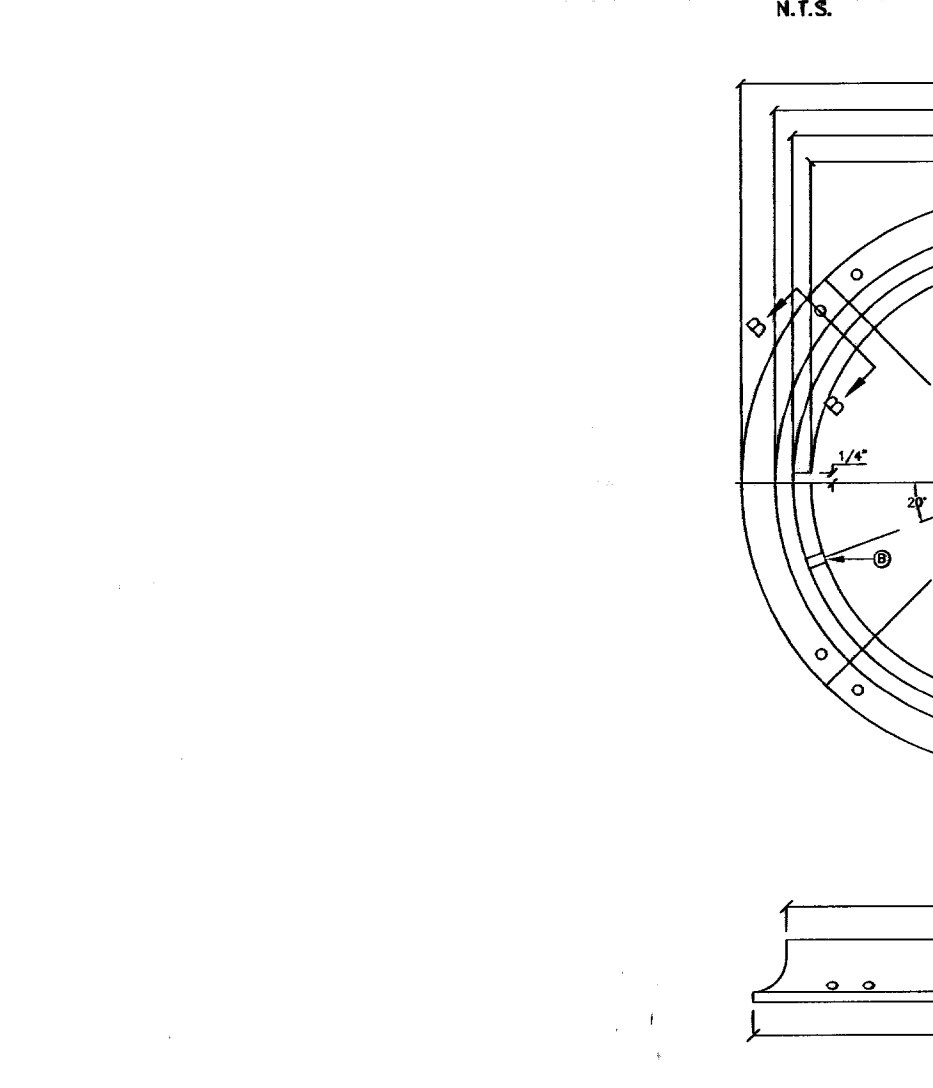
- GENERAL NOTES:**
1. MANHOLE CONNECTOR SHALL BE KOR-N-SEAL OR EQUAL MEETING THE REQUIREMENTS OF ASTM C-923. CONNECTOR SHALL BE FURNISHED BY CONTRACTOR.
- CONSTRUCTION KEY NOTES:**
- A. AN EPOXY COATING SHALL BE APPLIED TO THE MANHOLE INTERIOR WHEN SPECIFIED.
 - B. ON MAINLINE MANHOLES PIPE IS TO BE LAID THRU AND UPPER 1/2 CUT OUT.
 - C. GROUT AS REQUIRED TO FORM SMOOTH CHANNEL TO MANHOLE INVERT.
 - D. KOR-N-SEAL, CAVITY-O-RING OR EQUAL.
 - E. PIPE CLAMP SS 316.
 - F. FLEXIBLE CONNECTOR.
 - G. PRECAST MANHOLE.

PIPE CONNECTION TO MANHOLE N.T.S.



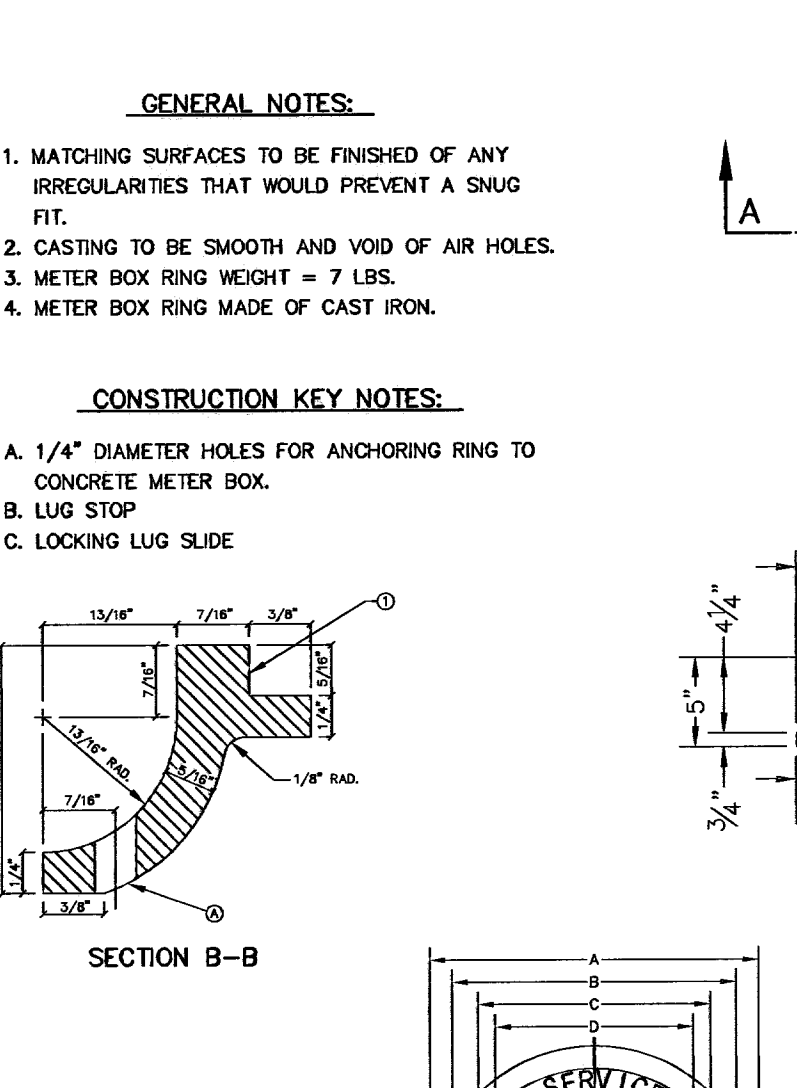
- GENERAL NOTES:**
1. CASTING TO BE SMOOTH AND VOID OF AIR HOLES.
 2. WEIGHT OF BONNET BOX IS 95 POUNDS.
- CONSTRUCTION KEY NOTES:**
- A. TO BE ROUGH GROUND OF ANY IRREGULARITIES THAT WOULD PREVENT A SNUG FIT.

BONNET BOX N.T.S.



- GENERAL NOTES:**
1. MATCHING SURFACES TO BE FINISHED OF ANY IRREGULARITIES THAT WOULD PREVENT A SNUG FIT.
 2. CASTING TO BE SMOOTH AND VOID OF AIR HOLES.
 3. METER BOX RING WEIGHT = 7 LBS.
 4. METER BOX RING MADE OF CAST IRON.
- CONSTRUCTION KEY NOTES:**
- A. 1/4" DIAMETER HOLES FOR ANCHORING RING TO CONCRETE METER BOX.
 - B. LUG STOP.
 - C. LOCKING LUG SLIDE.

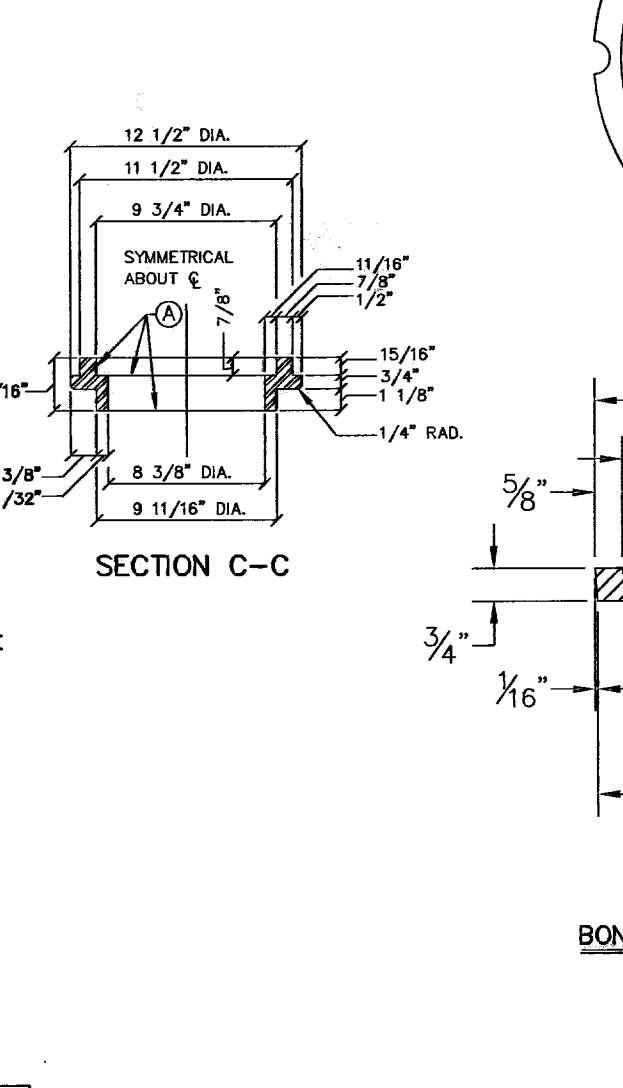
SEWER MANHOLE RING N.T.S.



- GENERAL NOTES:**
1. MATCHING SURFACES MARKED "MF" TO BE FINISHED OF ANY IRREGULARITIES THAT WOULD PREVENT A SNUG FIT.
 2. CASTING TO BE SMOOTH & VOID OF AIR HOLES.
 3. CASTING MUST MEET REQUIREMENTS OF AASHTO M308-07.
 4. AS-CAST DIMENSIONS MAY VARY 3/16" PER FOOT (AASHTO M308-07).
 5. WEIGHT MAY VARY 5%± (AASHTO M308-07).

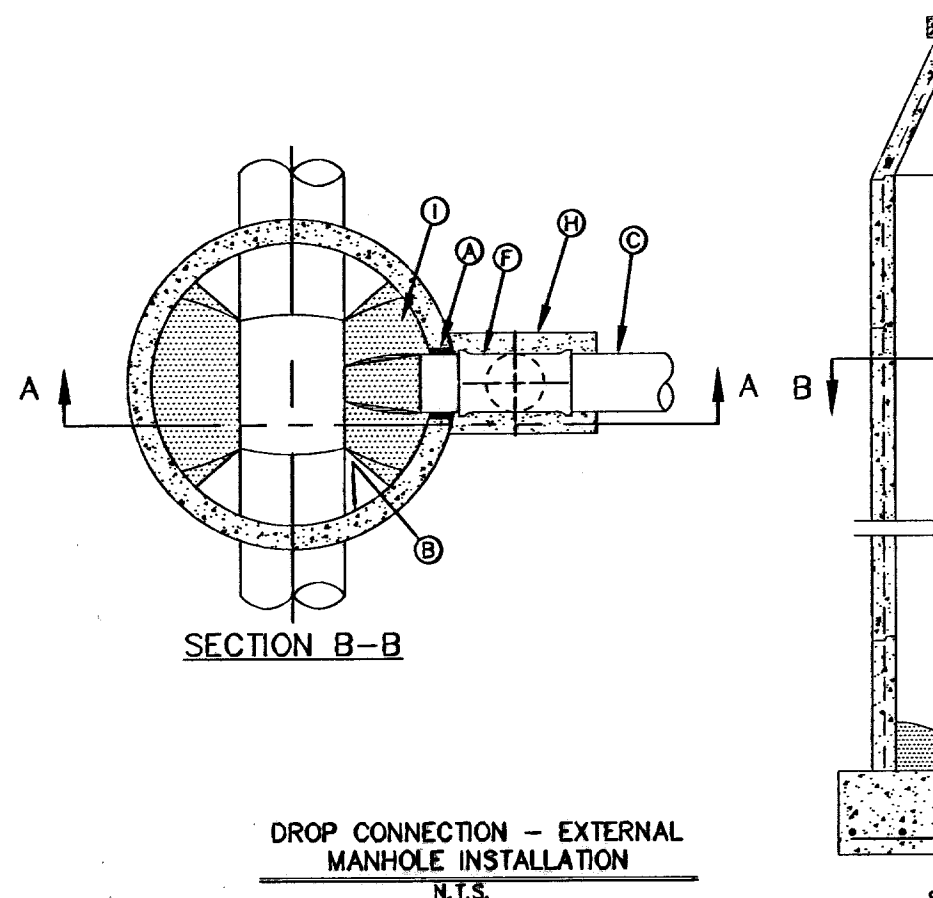
MANHOLE RING	MANHOLE - ALL TYPES	*MANHOLE TYPE A, A1, A2 & C	WEIGHT
A	33"	25 1/2"	220 lbs.
B	31 1/2"	24 1/2"	170 lbs.
C	31 1/2"	23 1/2"	
D	30"	22 1/2"	
E	30 1/2"	32"	
F	5"	1 1/4"	

*OBSOLETE - DO NOT USE (FOR REFERENCE ONLY)



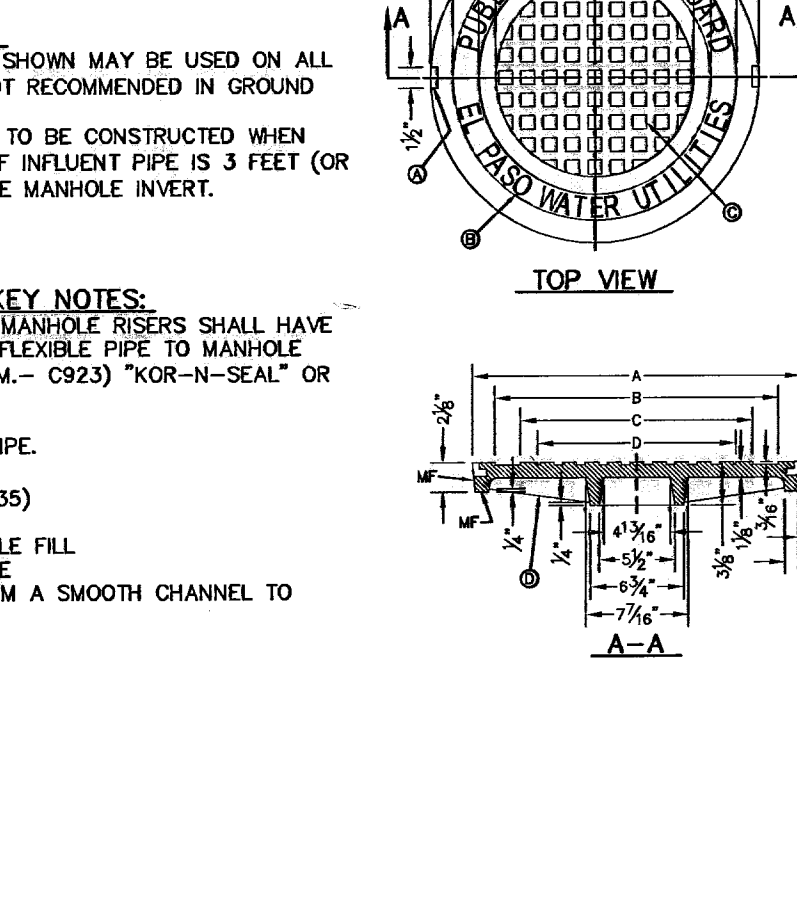
- GENERAL NOTES:**
1. MATCHING SURFACES TO BE FINISHED OF ANY IRREGULARITIES THAT WOULD PREVENT A SNUG FIT.
 2. CASTING TO BE SMOOTH AND VOID OF AIR HOLES.
 3. CASTING MUST MEET REQUIREMENTS OF AASHTO M308-07.
 4. AS-CAST DIMENSIONS MAY VARY 3/16" PER FOOT (AASHTO M308-07).
 5. WEIGHT MAY VARY 5%± (AASHTO M308-07).

BONNET BOX COVER & EXTENSION N.T.S.



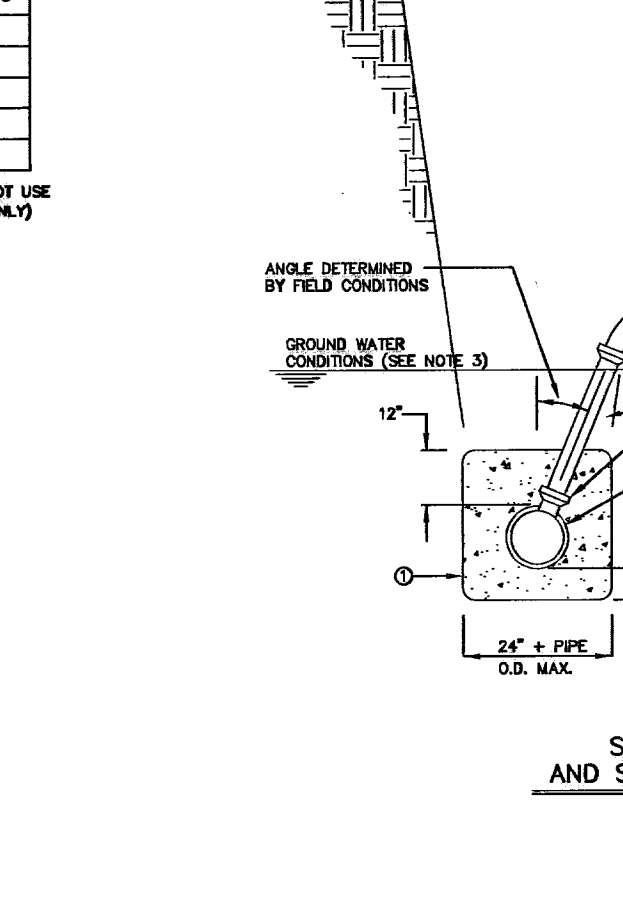
- GENERAL NOTES:**
1. DROP CONNECTION SHOWN MAY BE USED ON ALL MANHOLE TYPES (NOT RECOMMENDED IN GROUND WATER CONDITIONS).
 2. DROP CONNECTION TO BE CONSTRUCTED WHEN INVERT ELEVATION OF INFLUENT PIPE IS 3 FEET (OR GREATER) ABOVE THE MANHOLE INVERT.
- CONSTRUCTION KEY NOTES:**
- A. PIPE OPENINGS IN MANHOLE RISERS SHALL HAVE COMPRESSION TYPE FLEXIBLE PIPE TO MANHOLE CONNECTORS (A.S.T.M. - C923) "KOR-N-SEAL" OR APPROVED EQUAL.
 - B. MANHOLE WALL.
 - C. INFLUENT SEWER PIPE.
 - D. 90° BEND (P.V.C.).
 - E. P.V.C. PIPE (SDR. 35).
 - F. P.V.C. TEE.
 - G. CONCRETE FLOWABLE FILL.
 - H. 2500 PSI CONCRETE.
 - I. USE GROUT TO FORM A SMOOTH CHANNEL TO MANHOLE INVERT.

DROP CONNECTION - EXTERNAL MANHOLE INSTALLATION N.T.S.



- GENERAL NOTES:**
1. MATCHING SURFACES MARKED "MF" TO BE FINISHED OF ANY IRREGULARITIES THAT WOULD PREVENT A SNUG FIT.
 2. CASTING TO BE SMOOTH & VOID OF AIR HOLES.
 3. CASTING MUST MEET REQUIREMENTS OF AASHTO M308-07.
 4. AS-CAST DIMENSIONS MAY VARY 3/16" PER FOOT (AASHTO M308-07).
 5. WEIGHT MAY VARY 5%± (AASHTO M308-07).
- CONSTRUCTION KEY NOTES:**
- A. 1/2" RADIUS.
 - B. 1/4" RAISED LETTERING.
 - C. 1/4" SQUARE (1/4" x 1/4") WITH 1/8" SPACE BETWEEN.
 - D. REINFORCE RIBS.

LIFTING NOTCH N.T.S.



- GENERAL NOTES:**
1. IN DRAINAGE CONDITIONS ONLY, P.V.C. SCHEDULE 40 RISERS ARE TO BE ENCASED WITH CLASS II CONCRETE.
 2. UNDER CERTAIN CONDITIONS FIELD INVESTIGATIONS MAY BE REQUIRED TO DETERMINE THE ANGLE OF THE RISER ON THE LATERAL.
 3. WHEN GROUND WATER IS ENCOUNTERED SERVICE RISER SHALL BE EXTENDED ABOVE ANTICIPATED WATER TABLE LEVEL.
- CONSTRUCTION KEY NOTES:**
- A. CONTRACTOR TO INSTALL SERVICE LINE FROM THE MAIN TO A LOCATION 8" BEYOND THE CURB OR 18" BEYOND THE EDGE OF PAVEMENT, UNLESS CONDITIONS REQUIRE OTHERWISE.
 - B. 18" FOR STANDARD SUBSURFACE, 24" FOR SUBSURFACES WITH ON-SITE POUNDING OR FLAT TORSION.
 - C. RISERS OR LATERALS EXTENDING BEYOND EXISTING PAVING SHALL BE INSTALLED TO 1/2" UNBUILT TOP OF GROUND OR PAVEMENT UNLESS CONDITIONS REQUIRE OTHERWISE.
 - D. PLASTIC METALLIC MARKING TAPE RISING TO WITHIN 4" OF GROUND SURFACE OR METALLIC DISK.
 - E. WORKER STAKE (1/2" x 3/8") VERTICALLY PLACED AT FLUSH END OF PROPOSED SERVICE LINE.

SEWER SERVICE RISER AND SERVICE LINE CONNECTION N.T.S.

CITY MONUMENT 17.23' EAST OF CENTERLINE INTERSECTION OF VIA DE LA PAZ DR. AND LOS PUEBLOS DR. ELEVATION 4445.74'CITY DATUM

DATE: 03/24/10 REVISIONS: P.S.B. REDLINES AS PER 03/02/10 COMMENTS E.F.G.

PROJECT NAME: CHAPARRAL PARK UNIT FORTY FOUR

ENGINEER'S SEAL: [Signature]

DATE: DEC. 2009 DESIGN BY: YC

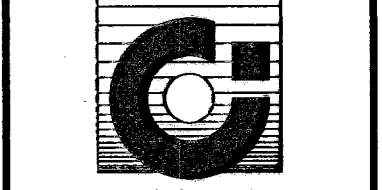
INTENTED BY: YC

CHECKED BY: YC

JOB NO.: 1109-13

CONDE INC. ENGINEERING / PLANNING SURVEYING / GPS 6080 SURETY DR. STE 100 EL PASO, TEXAS 79905 PHONE: (915) 592-0283 FAX: (915) 592-0286

CONDE INC. REGISTRATION NO. 0286

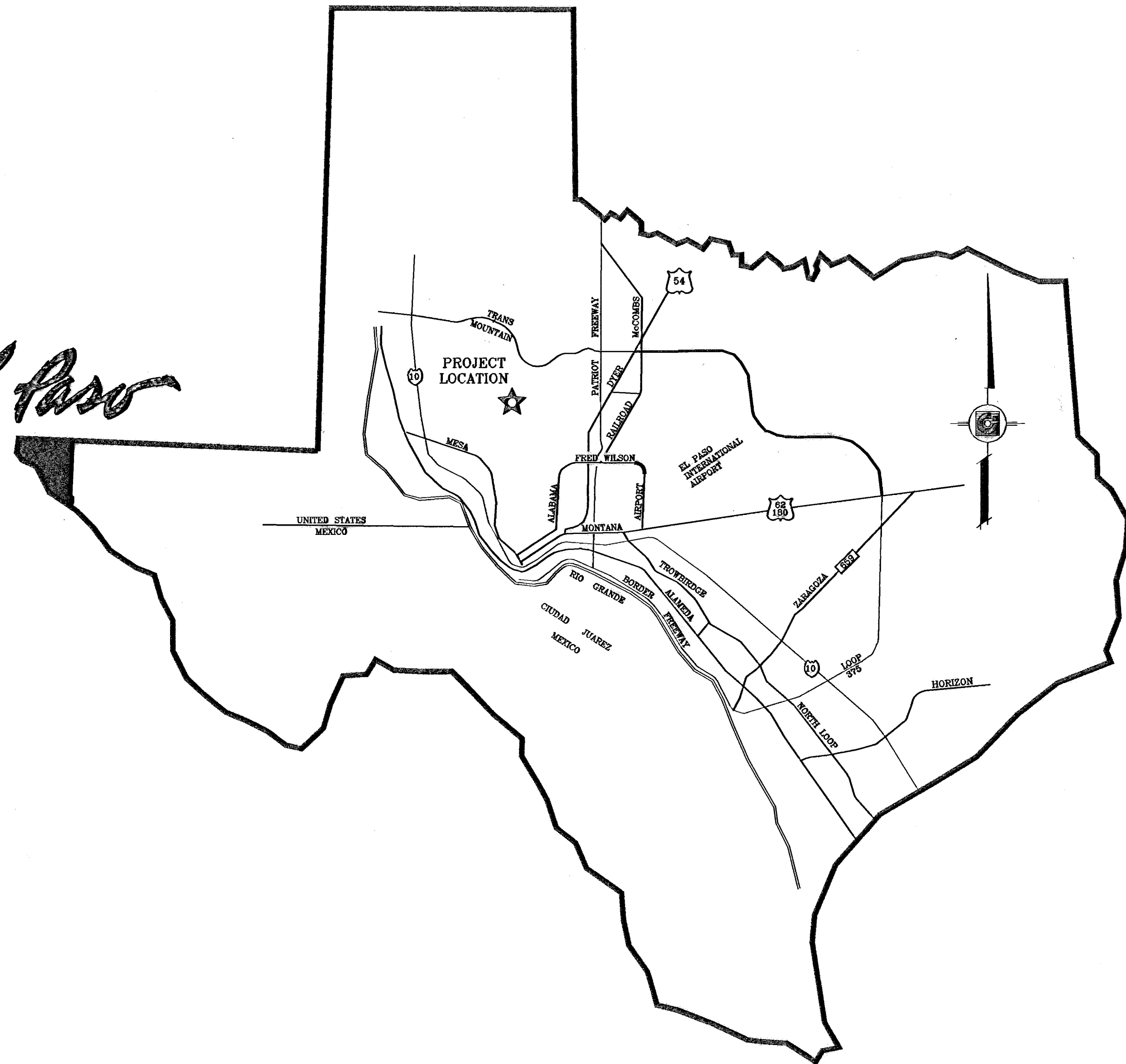


SHEET TITLE: WATER & SEWER DETAILS

SHT 26 OF 26

600827

El Paso



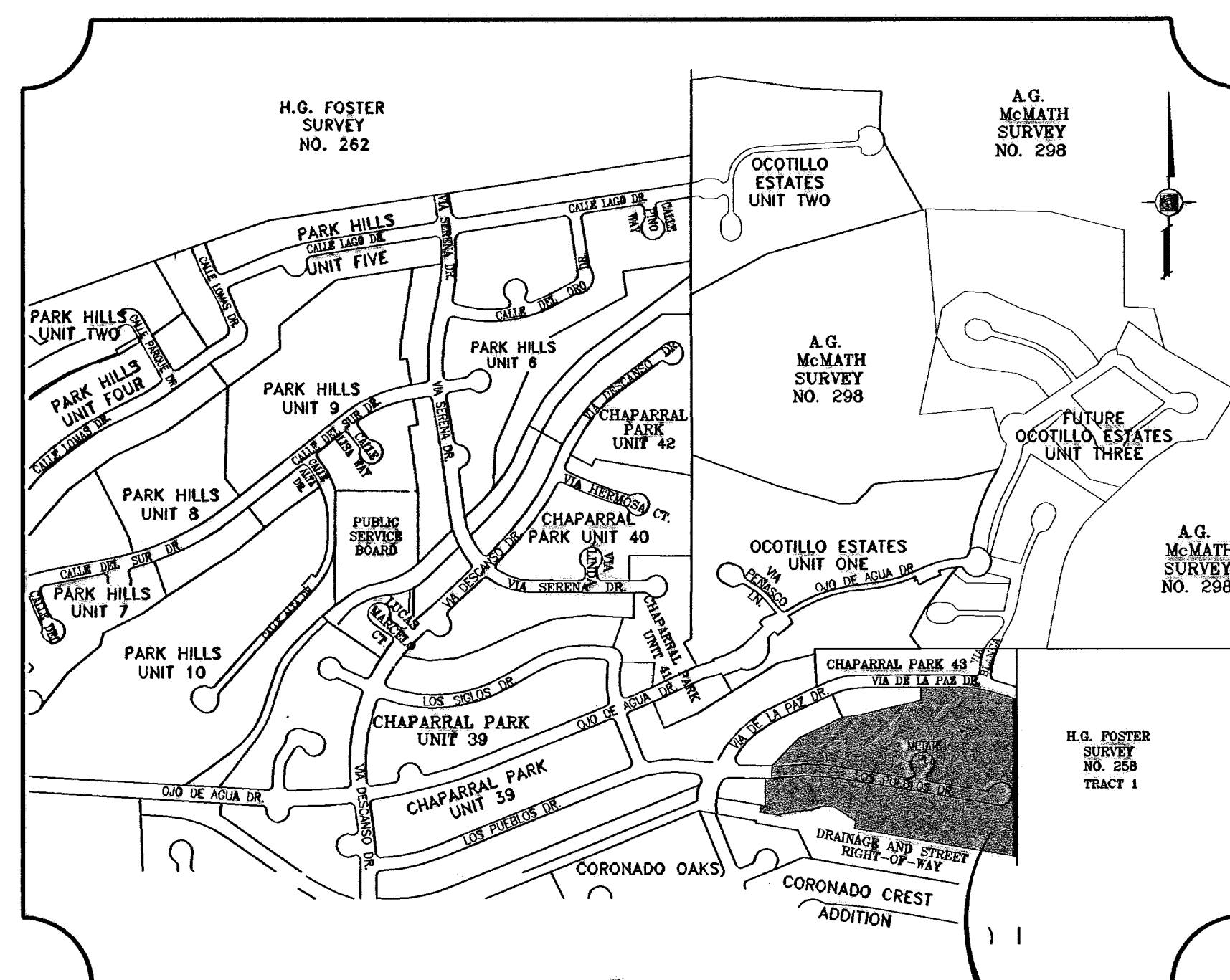
VICINITY MAP



CHAPARRAL PARK UNIT FORTY FOUR
PROJECT LOCATION

LOCATION MAP

1" = 600'



CHAPARRAL PARK UNIT FORTY FOUR

STREET IMPROVEMENTS

I N D E X

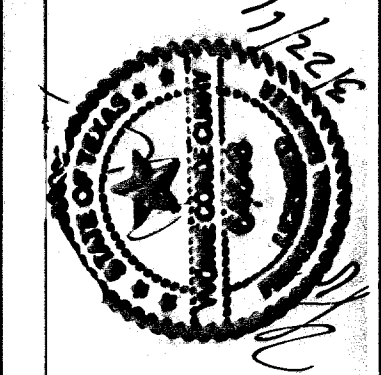
Sheet List Table

SHEET NUMBER	SHEET TITLE
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3A	DESILTING BASIN
4	GRADING SECTIONS
5	GRADING SECTIONS
6	GRADING SECTIONS
6A	GRADING SECTIONS
7	DRAINAGE PLAN
8	STORM WATER POLLUTION PREVENTION PLAN
9	STORMWATER POLLUTION PREVENTION PLAN NOTES
10	LOS PUEBLOS DR. PLAN & PROFILE
11	LOS PUEBLOS DR. PLAN & PROFILE
12	METATE PL. PLAN & PROFILE
13	STRUCTURES 1 & 2

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SHEET NUMBER	SHEET TITLE
14	INLETS 1-1 & 2-1 WITH JUNCTION BOX
15	INLET 2-2 WITH JUNCTION BOX AND STRUCTURE DETAILS
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17	STANDARD DETAILS
18	STANDARD DETAILS
19	ILLUMINATION & TRAFFIC CONTROL PLAN
20	WATER LOCATION MAP
21	WATER & SEWER LOCATION MAP
22	SANITARY SEWER PLAN LOS PUEBLOS DR.
23	SANITARY SEWER PLAN LOS PUEBLOS DR.
24	SANITARY SEWER PLAN METATE PL.
25	WATER & SEWER DETAILS
26	WATER & SEWER DETAILS

PROJECT NAME
CHAPARRAL PARK UNIT FORTY FOUR
BEING A PORTION OF TRACT 1B, H. G. FOSTER SURVEY NO. 262, CITY OF EL PASO, TEXAS, CONTAINING 13.179 ACRES



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600827

CHAPARRAL PARK UNIT FORTY FOUR

BEING A PORTION OF TRACT 1B,
H. G. FOSTER, SURVEY No. 258,
CITY OF EL PASO, EL PASO COUNTY, TEXAS
CONTAINING: 13.175 ACRES

NOTES:
WATER AND SEWER SERVICES WILL BE EXTENDED TO THIS SUBDIVISION (CHAPARRAL UNIT FORTY FOUR) FROM EXISTING EL PASO WATER UTILITIES/PUBLIC SERVICE BOARD FACILITIES AND WILL BE CONSTRUCTED AND OPERABLE AS OF JULY 2010.
THE INSTRUMENT ASSURING THE CERTIFICATION THAT WATER AND SEWER SERVICES FACILITIES DESCRIBED BY THIS PLAN ARE IN COMPLIANCE WITH THE MODEL RULES ADOPTED UNDER SECTION 16.343, TEXAS WATER CODE IS FILED IN THE OFFICE OF THE COUNTY CLERK, DEED AND RECORD SECTION.
INSTRUMENT No. 20100061038 DATE 31 Aug 10
TAX CERTIFICATE FOR THIS SUBDIVISION ARE FILED IN THE OFFICE OF THE COUNTY CLERK, DEED AND RECORDS SECTION.
INSTRUMENT No. 20100061039 DATE 31 Aug 10
RESTRICTIVE COVENANTS FOR THIS SUBDIVISION ARE FILED IN THE OFFICE OF THE COUNTY CLERK, DEED AND RECORD SECTION.
INSTRUMENT No. 20100061039 DATE 31 Aug 10
LOT CORNERS WILL BE SET UPON COMPLETION OF CONSTRUCTION OF ROADWAYS AND UTILITIES.
"U.S. POSTAL SERVICE DELIVERY WILL BE PROVIDED THROUGH NEIGHBORHOOD DELIVERY AND COLLECTION BOX UNITS."
SET 1/2" REBAR WITH CAP MARKED TX 5152 AT ALL EXTERIOR BOUNDARY CORNERS UNLESS OTHERWISE NOTED.
BEARING BASIS IS TRUE NORTH FOR A TRANSVERSE MERCATOR PROJECTION AS DETERMINE BY GPS METHODS CENTERED NEAR THIS SITE.
THE SUBDIVISION IS MOSTLY WITHIN FLOOD ZONE C "AREAS OF MINIMAL FLOODING (NO SHADING)" PANELS NO. 480214-0023 C AND 480214-0022 E, DATED MARCH 23, 1998; PORTION OF THE PROPOSED SUBDIVISION IS IN FLOOD HAZARD ZONES A AND A2 "AREAS OF 100-YEAR FLOOD (WHICH DOES NOT INCLUDE ANY RESIDENTIAL LOTS). BASE FLOOD ELEVATIONS AND FLOOD HAZARD FACTORS NOT DETERMINED AND AREAS OF 100-YEAR FLOOD; BASE FLOOD ELEVATIONS AND FLOOD HAZARD FACTORS DETERMINED" RESPECTIVELY.
LOTS 17 THROUGH 25 AND LOTS 28 AND 29, BLOCK 179, SHALL BE "FIRE SPRINKLERED" AS PER MUNICIPAL CODE SECTION 19.16.020.D5e
* = 30' PSB IMPROVED ACCESS AND UTILITY EASEMENT IS NON-TRANSFERABLE WILL ONLY BE USED FOR PSB ACCESS FOR MAINTENANCE OF THE EXISTING UNDERGROUND FACILITY AND OTHER PSB FACILITIES LOCATED EAST OF THE SUBJECT PROPERTY AND SHALL REMAIN UNOBSTRUCTED.

H.G. FOSTER
SURVEY NO. 258
TRACT 1
CITY OF EL PASO
PID # X2589990000100

DEDICATION

E.P. PARK HILLS II, LTD., property owners of this land, hereby present this plat and dedicate to the use of the public the streets, drives, drainage and pedestrian R.O.W., bike / hike trail, drainage and utility easement, drainage easement, PSB access easement, and utility easements as herein laid down and designated, including easements for overhead of service wires for pole type utilities, and buried service wires, conduits and pipes for underground utilities, and the right to ingress and egress for service and construction and the right to trim interfering trees and shrubs.
Witness our signature this 2nd day of July, 2010.

E.P. PARK HILLS II, LTD.
BY: E.P. PARK HILLS, INC.
ITS GENERAL PARTNER

/s/ Douglas A. Schwartz
Douglas A. Schwartz, VICE-PRESIDENT

ATTEST: NOT REQUIRED

ACKNOWLEDGEMENT

STATE OF TEXAS
COUNTY OF EL PASO
Before me, the undersigned authority, on this day personally appeared Douglas A. Schwartz, Vice-President of E.P. PARK HILLS, INC., known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same as the act and deed of said corporation for the purpose and considerations herein expressed.
Given under my hand and seal of office this 2nd day of July, 2010.

/s/ Ana M. Gregg 01-31-2010
Notary Public in and for El Paso County My Commission Expires

CITY PLAN COMMISSION

This subdivision is hereby approved as to the platting and as to the condition of the dedication in accordance with Chapter 212 of the Local Government Code of Texas this 22 day of July, 2010.

/s/ Philip Elton /s/ Kathy Updike
for Secretary Chairperson

Approved for filing this 21 day of July, 2010.

FILING

Filed and recorded in the office of the County Clerk of El Paso County, Texas, this 31 day of August, 2010, A.D. in File No. 20100061037

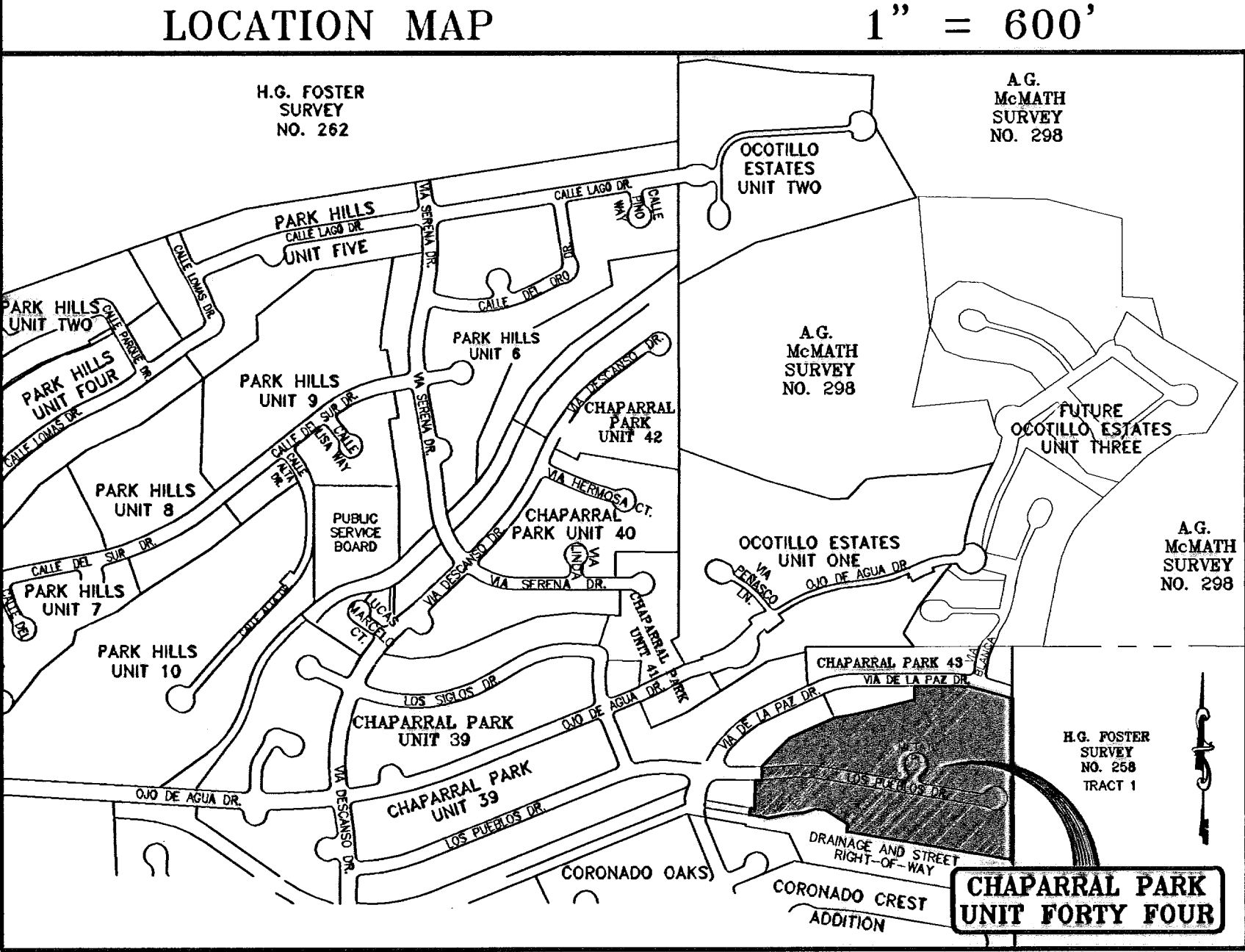
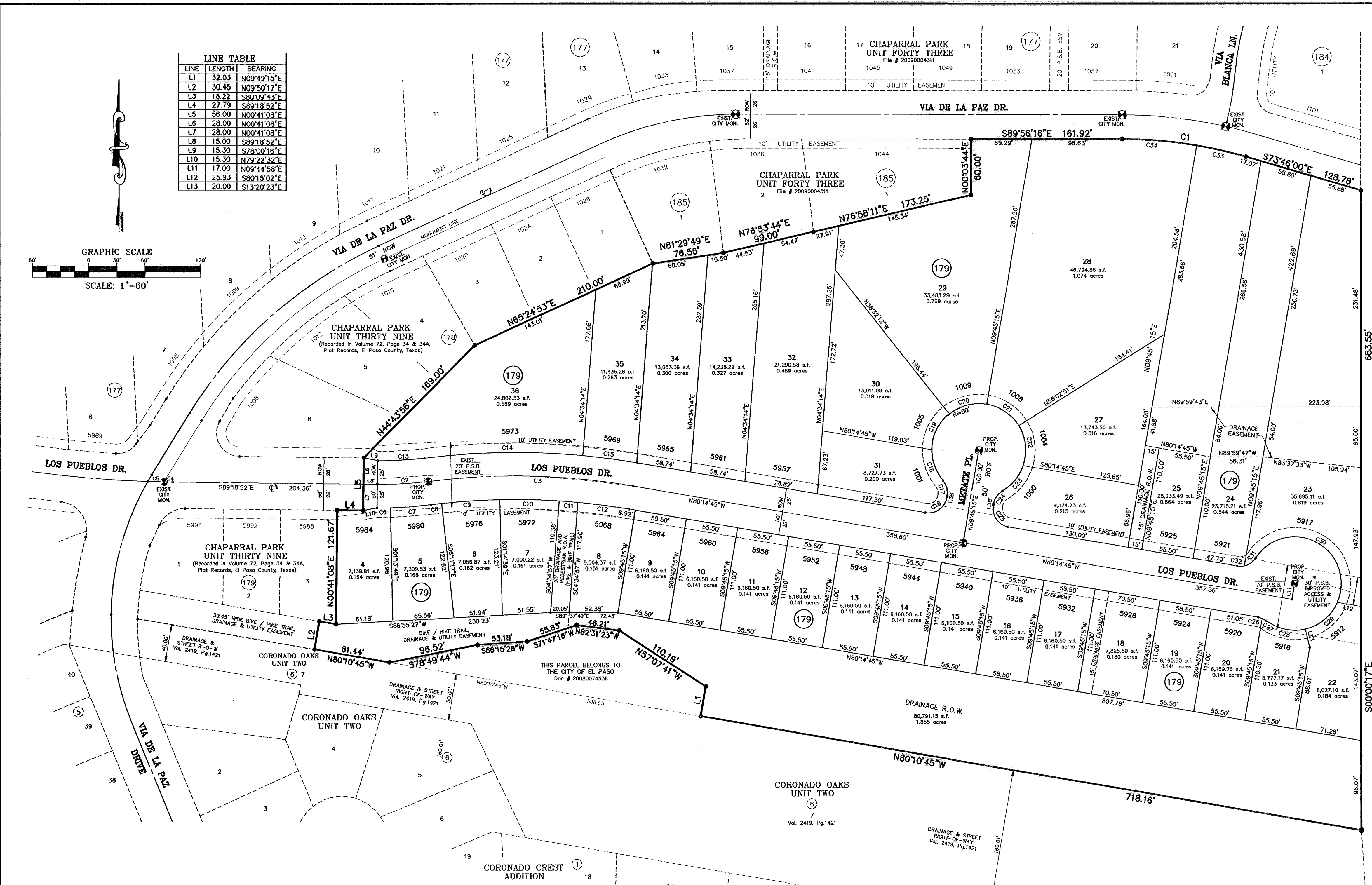
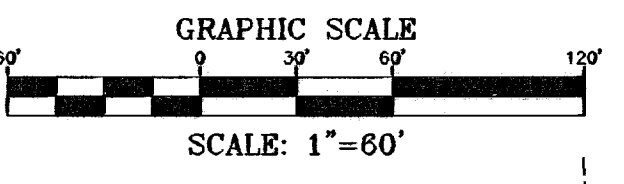
/s/ Delta Briones /s/ Diana Garcia
County Clerk By Deputy

Prepared by and under the supervision of:
YVONNE CONDE CURRY, P.E.
Registered Professional Engineer
Registration No. 64648
This plat represents a survey made on the ground by me or under my supervision and complies with the current Texas Board of Professional Land Survey Professional and Technical Standards.

/s/ Yvonne Conde Curry /s/ Ron R. Conde
Yvonne Conde Curry, P.E. Ron R. Conde
Registered Professional Land Surveyor
Texas License No. 5152

600827

LINE	LENGTH	BEARING
L1	32.03	N09°49'15"E
L2	30.45	N09°50'17"E
L3	18.22	S80°09'43"E
L4	27.79	S89°18'52"E
L5	56.00	N00°41'08"E
L6	28.00	N00°41'08"E
L7	28.00	N00°41'08"E
L8	15.00	S89°18'52"E
L9	15.30	S78°00'18"E
L10	15.30	N79°22'32"E
L11	17.00	N09°44'58"E
L12	25.93	S80°15'02"E
L13	20.00	S13°29'23"E



CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C1	474.00	133.78	67.34	133.34	S81°51'08"E	161°01'16"
C2	400.00	54.35	27.22	54.31	N86°47'35"E	74°7'05"
C3	750.00	220.61	111.11	219.81	S88°40'21"E	165°11'12"
C4	1250.24	9.27	4.64	9.27	S89°08'07"E	00°25'30"
C5	1250.24	17.23	8.62	17.23	S88°29'41"E	00°42'23"
C6	425.00	14.21	7.11	14.21	N89°43'39"E	154°57'
C7	425.00	43.53	21.79	43.51	N85°50'07"E	52°20'7"
C8	725.00	11.53	5.76	11.53	S83°21'23"W	0°54'40"
C9	725.00	62.58	31.30	62.54	S86°17'02"W	456°38'
C10	725.00	63.73	31.88	63.71	N84°43'34"W	502°11'
C11	725.00	20.00	10.00	20.00	N83°23'03"W	134°50'
C12	725.00	55.44	27.73	55.43	N82°28'11"W	422°53'
C13	375.00	50.95	25.51	50.91	N86°47'35"E	747°08'
C14	775.00	169.37	85.02	169.03	S89°09'42"W	123°11'7"
C15	775.00	58.60	29.31	58.58	N82°44'42"W	419°55'
C16	20.00	31.42	20.00	28.28	N54°45'15"E	90°00'00"
C17	20.00	17.45	9.33	18.50	N151°43'38"W	49°59'41"
C18	50.00	35.55	18.58	34.81	S195°22'15"E	404°41'11"
C19	50.00	44.48	23.83	43.03	S255°47'47"W	50°58'03"
C20	50.00	42.14	22.41	40.91	S75°36'32"W	481°7'27"

CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C21	50.00	42.14	22.41	40.91	N56°05'57"W	481°7'36"
C22	50.00	44.48	23.83	43.02	N06°28'12"W	505°57'54"
C23	50.00	35.55	18.58	34.81	S139°22'51"E	404°41'11"
C24	20.00	17.45	9.33	18.50	S34°45'00"W	43°59'41"
C25	20.00	31.42	20.00	28.28	S35°14'45"E	30°00'00"
C26	20.00	4.49	2.25	4.48	N73°48'49"W	125°15'2"
C27	20.00	5.16	2.60	5.15	N59°59'00"W	14°47'46"
C28	50.00	44.29	23.72	42.86	S77°57'45"E	50°45'16"
C29	50.00	47.27	24.94	44.63	N50°09'08"E	53°01'01"
C30	50.00	148.62	589.34	93.64	N61°30'44"W	120°18'39"
C31	20.00	15.18	7.58	14.82	N53°04'22"E	43°28'50"
C32	20.00	8.01	4.06	7.95	N88°17'01"E	22°58'28"
C33	474.00	53.65	28.88	53.63	N77°00'34"W	62°3'08"
C34	474.00	80.13	40.16	80.03	N85°05'42"W	9°41'08"

NOTE:
PRIVATE WATER PRESSURE REGULATING DEVICES WILL BE REQUIRED AT THE DISCHARGE SIDE OF EACH WATER METER.

DATE OF PREPARATION: FEBRUARY 18, 2010

CONDE INC.
ENGINEERING / PLANNING
CITY / SUBDIVISIONS / CAD
6080 SURVEY DR. STE 100
EL PASO, TEXAS 79905
PHONE: (915) 692-0288
FAX: (915) 692-0288

GENERAL NOTES:

- IMPROVEMENT WITHIN CITY R.O.W. SHALL COMPLY WITH TITLE 19-SUBDIVISION ORDINANCE-"SUBDIVISION IMPROVEMENT DESIGN STANDARDS".
- CONTRACTOR SHALL PROVIDE TEMPORARY MEASURES FOR THE MANAGEMENT OF STORM WATER RUNOFF ENTERING, EXITING AND ON SITE DURING THE COURSE OF THE CONSTRUCTION. TEMPORARY BERMS, DESILTING BASIN, CHECK DAMS, PIPING ETC. SHALL BE PROVIDED AS NECESSARY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION AND NOTIFICATION WITH ALL APPURTENANT UTILITY COMPANIES WHOSE LINES ARE WITHIN THE CONSTRUCTION CONTRACT AREA. THE CONTRACTOR SHALL NOTIFY UTILITY COMPANIES 48 HOURS PRIOR TO ANY CONSTRUCTION ON SITE. THE CONTRACTOR WILL BE RESPONSIBLE PHYSICALLY AND FINANCIALLY FOR ANY DISRUPTION TO SERVICE EITHER ON SITE OR OFF SITE DUE TO BREAKAGE OF UTILITY LINES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DATA SHOWN ON THE PLANS. IF DISCREPANCIES ARE FOUND THE CONTRACTOR SHALL NOTIFY THE OWNER OR ENGINEER IMMEDIATELY SO THAT PROPER CORRECTIONS CAN BE MADE.
- EQUIPMENT OF A CONDITION AND DESIGN SUFFICIENT TO ENSURE A THOROUGH AND WORKMANLIKE PROSECUTION OF THE PROJECT SHALL BE USED AT ALL TIMES.
- ALL ELEVATIONS ARE TO CITY DATUM UNLESS OTHERWISE NOTED.
- ALL WASTE MATERIALS INCLUDING EXCAVATION, CURBING, PAVEMENT, ETC. SHALL BE DISPOSED OF AS DESIGNATED BY THE OWNER OR HIS REPRESENTATIVE.
- THE CONTRACTOR SHALL NOTIFY THE OWNER, OR HIS REPRESENTATIVE, IN SUFFICIENT TIME IN ADVANCE OF DELIVERY OF MATERIALS TO BE SUPPLIED BY HIM UNDER THIS PROJECT, IN ORDER THAT THE OWNER MAY ARRANGE, IF DESIRED, INSPECTION AND TESTING FOR SAME.
- SAFE AND REASONABLE ACCESS FOR THIS SITE MUST BE MAINTAINED AT ALL TIMES DURING THE LIFE OF THE PROJECT.
- ANY CAVITY REMAINING OPEN DURING NONWORKING HOURS MUST BE GUARDED BY FLASHER TYPE BARRICADES WITH STRINGERS PLACED BETWEEN THE TOPS OF THE BARRICADES.
- DEVELOPER SHALL COMPLY WITH SECTION 13.08.170 "EXCESSIVE PAVING CUTS" AS PER EL PASO MUNICIPAL CODE.

SEE SHEET 13 AND 14 FOR DRAINAGE STRUCTURES #1 AND #2

*GRADING PERMIT REQUIRED FOR LOT 36, BLOCK 179 AT TIME OF BUILDING ISSUANCE

GENERAL EARTHWORK NOTES:

- ALL GRADING SHALL CONFORM TO THE CITY OF EL PASO GRADING ORDINANCE SECTION 18.44.
- THE CONTRACTOR SHALL CARRY ON HIS WORK WITH SPECIAL CARE AT ALL TIMES TO MAINTAIN THE NATURAL SURROUNDINGS AND EXISTING STRUCTURES IN AN UNDAUNTED CONDITION.
- NATURAL SUBGRADES TO SUPPORT STRUCTURAL FILL OR PAVEMENTS SHOULD BE STRIPPED OF ALL VEGETATION OR ORGANIC TOPSOIL. THE EXPOSED SUBGRADE SHOULD BE SCARIFIED JUST PRIOR TO FILL PLACEMENT TO A MINIMUM DEPTH OF 6 INCHES AND RECOMPACTED TO A MINIMUM OF 95% OF MAXIMUM DENSITY AS PER ASTM D-1557. ALL BACKFILL MATERIAL TO BE PLACED IN HORIZONTAL LAYERS NOT TO EXCEED EIGHT (8) INCH LIFTS AND COMPACTED AS BEFORE.
- TEMPORARY DUST AND EROSION CONTROL MEASURES SHALL BE PROVIDED FOR AT ALL TIMES. SEE SHEET 8 OF 26.
- ALL SLOPES AND SWALES WITHIN LOTS SHALL BE MAINTAINED BY LOT OWNER.

CONSTRUCTION NOTES:

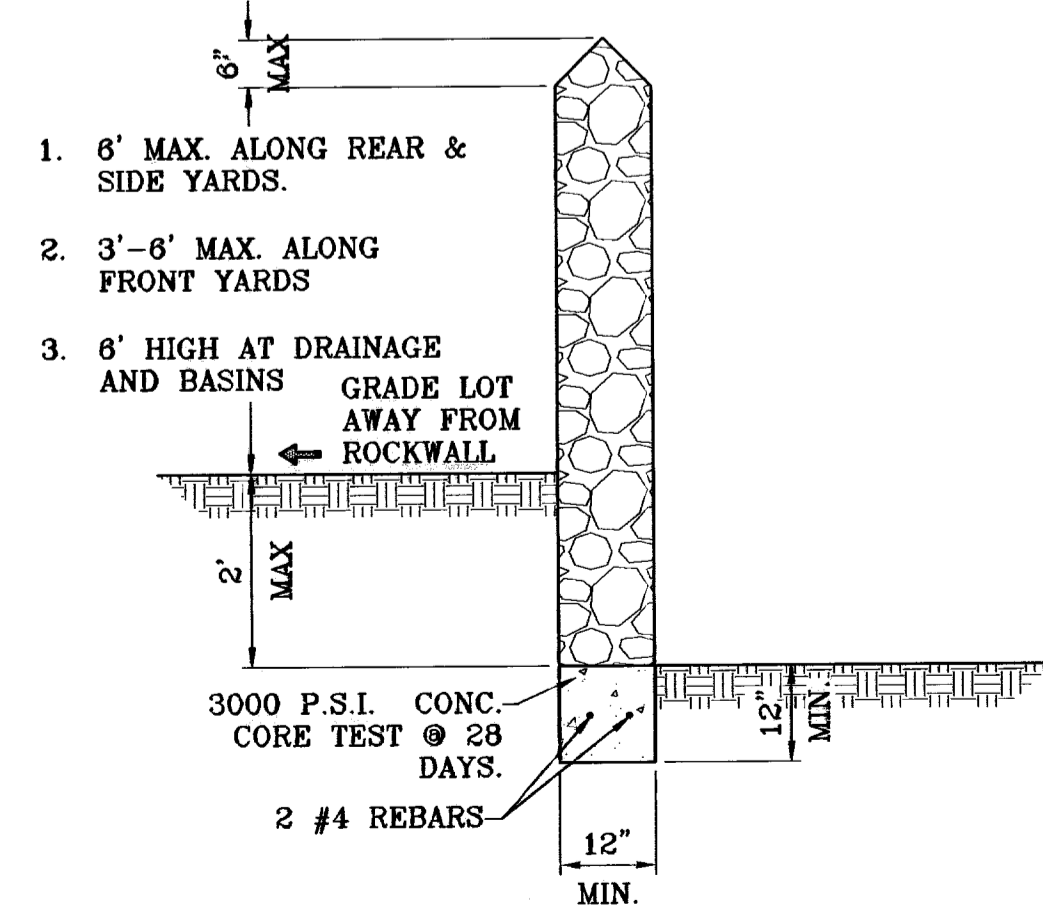
- ALL CONCRETE FOR STRUCTURES SHALL BE 3000 PSI. UNLESS OTHERWISE NOTED.
- MINIMUM COVER FOR REINFORCING STEEL SHALL BE 2" UNLESS OTHERWISE NOTED.
- 95% COMPACTION REQUIRED FOR STRUCTURES AS PER ASTM D1557.
- REINFORCING SHALL CONFORM TO THE REQUIREMENTS OF ASTM A615 GRADE 60.
- RETAINING WALLS WILL BE REQUIRED WHERE THERE IS A GRADE DIFFERENCE EXCEEDING 2 FEET BETWEEN LOTS AND STREET. RETAINING WALL DESIGN AND CONSTRUCTION SHALL BE DONE BY BUILDER/DEVELOPER.
 - RETAINING ROCKWALL 2'-4' BY BUILDER.
 - RETAINING ROCKWALL >4' BY DEVELOPER.

SEE SHEET 8 FOR RETAINING ROCKWALL DETAILS.

NOTE:
HEREON DESCRIBED TRACT LIES IN ZONE A2 & C, COMMUNITY PANEL NO. 480214 0022 E, DATED JANUARY 3, 1997.

DETAIL NO. 314 SECTION DETAIL SHEET SECTION REFERENCE SHEET

B.F.E.'S ARE CITY DATUM

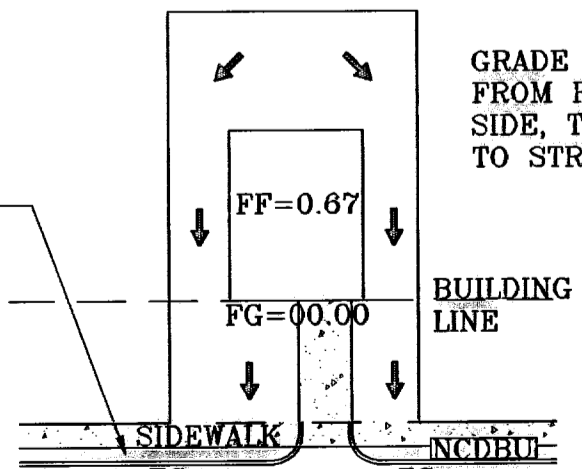


ROCKWALL DETAIL
SCALE: 1"=2'

ROCKWALL NOTES:

- STONE FOR ROCKWALLS SHALL BE AS NEARLY UNIFORM IN SECTIONS AS IS PRACTICABLE. THE STONE SHALL BE DENSE AND RESISTANT OF AIR AND WATER.
- MORTAR MUST BE TYPE "S" 1800 P.S.I. AS PER ASTM C270.
- MASONRY WALLS OVER SIX (6) FEET IN HEIGHT AND THOSE USED FOR EARTH RETENTION OVER TWO (2) FEET MUST BE DESIGNED AS STRUCTURAL WALLS.
- WALLS ADJACENT TO PONDING AREAS OR DRAINAGE DITCHES MAY BE CONSTRUCTED OF BRICK, CINDER BLOCK, OR STONE AND SHALL NOT BE LESS THAN SIX (6) FEET HIGH.
- ROCKWALL MORTAR JOINTS MUST NOT EXCEED TWO (2) INCHES.
- PROVIDE ONE (1) INCH EXPANSION JOINTS AT EVERY 100 FEET.
- ALL STONE SHALL BE THOROUGHLY SOAKED BEFORE BEING PLACED.
- NO RIVER ROCK SHALL BE ALLOWED.

ALL UTILITIES SHALL BE PLACED IN PARKWAY. NO UTILITIES SHALL BE PLACED ON SIDEWALKS (I.E., NCDBU'S, FIRE HYDRANTS, LIGHT POLES, SIGNS, POWER POLES, ETC....)

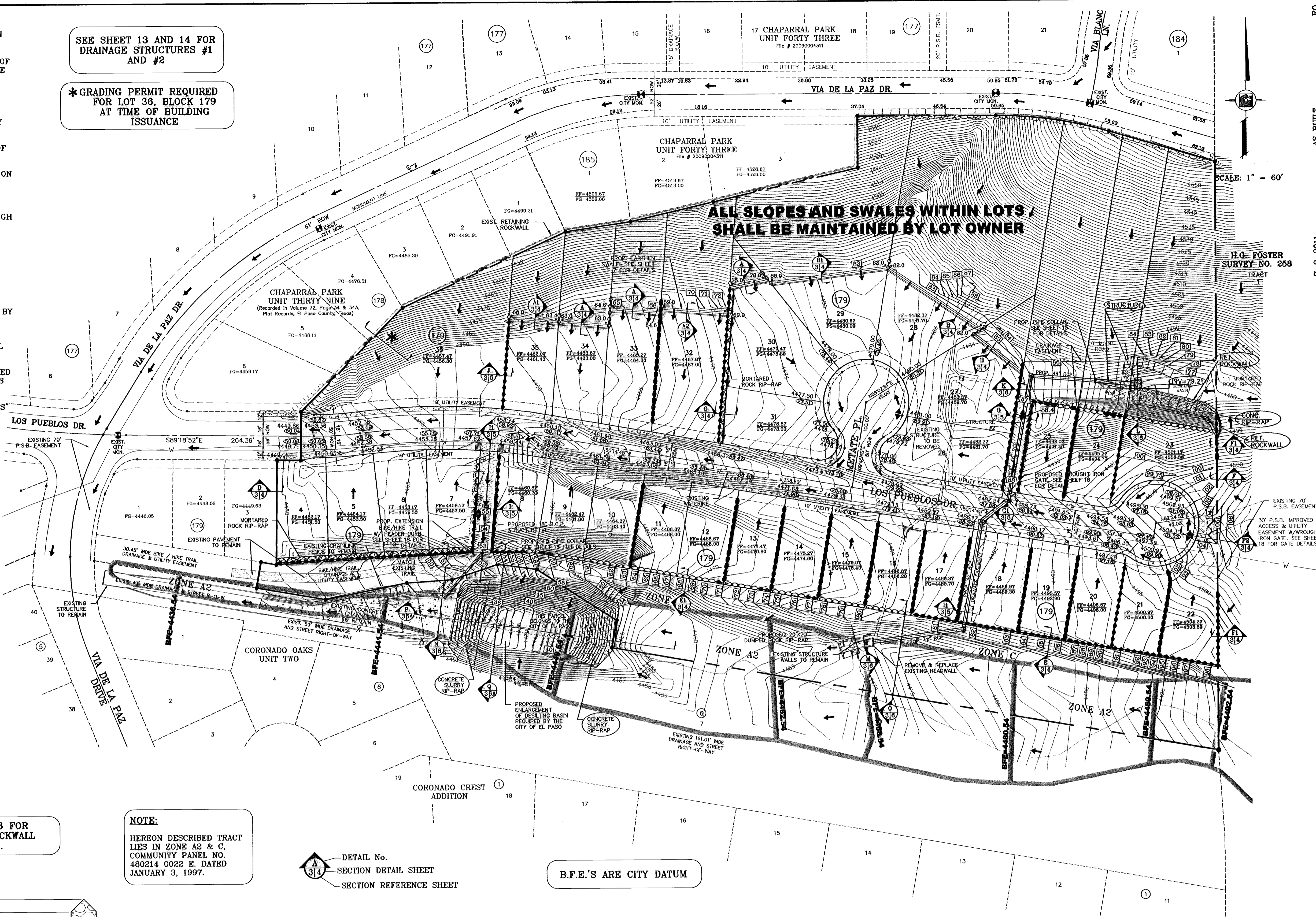


TYPICAL LOT GRADING
SCALE: 1"=40'

LEGEND

FF=0.67	PROPOSED FINISH FLOOR
FG=00.00	PROPOSED FINISH GROUND
00.00	PROPOSED SPOT ELEVATION
▲	HIGH POINT
▼	LOW POINT
4000	EXISTING CONTOUR
4000	EXISTING SPOT ELEVATION
4000	PROPOSED CONTOUR
-----	PROPOSED 0'-2' ROCK WALL BY BUILDER
-----	PROPOSED 6' ROCK WALL BY DEVELOPER
-----	PROPOSED 2'-4' RETAINING WALL BY BUILDER
-----	PROPOSED 4'+ RETAINING WALL BY DEVELOPER
-----	EXISTING RETAINING WALL

○ DENOTES AS BUILT CONDITION ONLY



CHAPARRAL PARK UNIT FORTY FOUR
CONTAINING: 13.175 ACRES

CONDE INC.
ENGINEERING / PLANNING / SURVEYING / GPS
6080 SURVEY DR. STE 100
EL PASO, TEXAS 79905
PHONE: (915) 592-0283
FAX: (915) 592-0286

ENGINEER'S SEAL:
[Seal of Conde Inc. Engineer]

DATE: DEC. 2009
DESIGN BY: JC
INITIATED BY: RO
CHECKED BY: JC
JOB NO.: 1109-13

SCALE: 1" = 60'
VERT.: 1" = 10'

PROJECT NAME: CHAPARRAL PARK UNIT FORTY FOUR
BENCHMARK: RO
AS BUILT: 7-2-2011

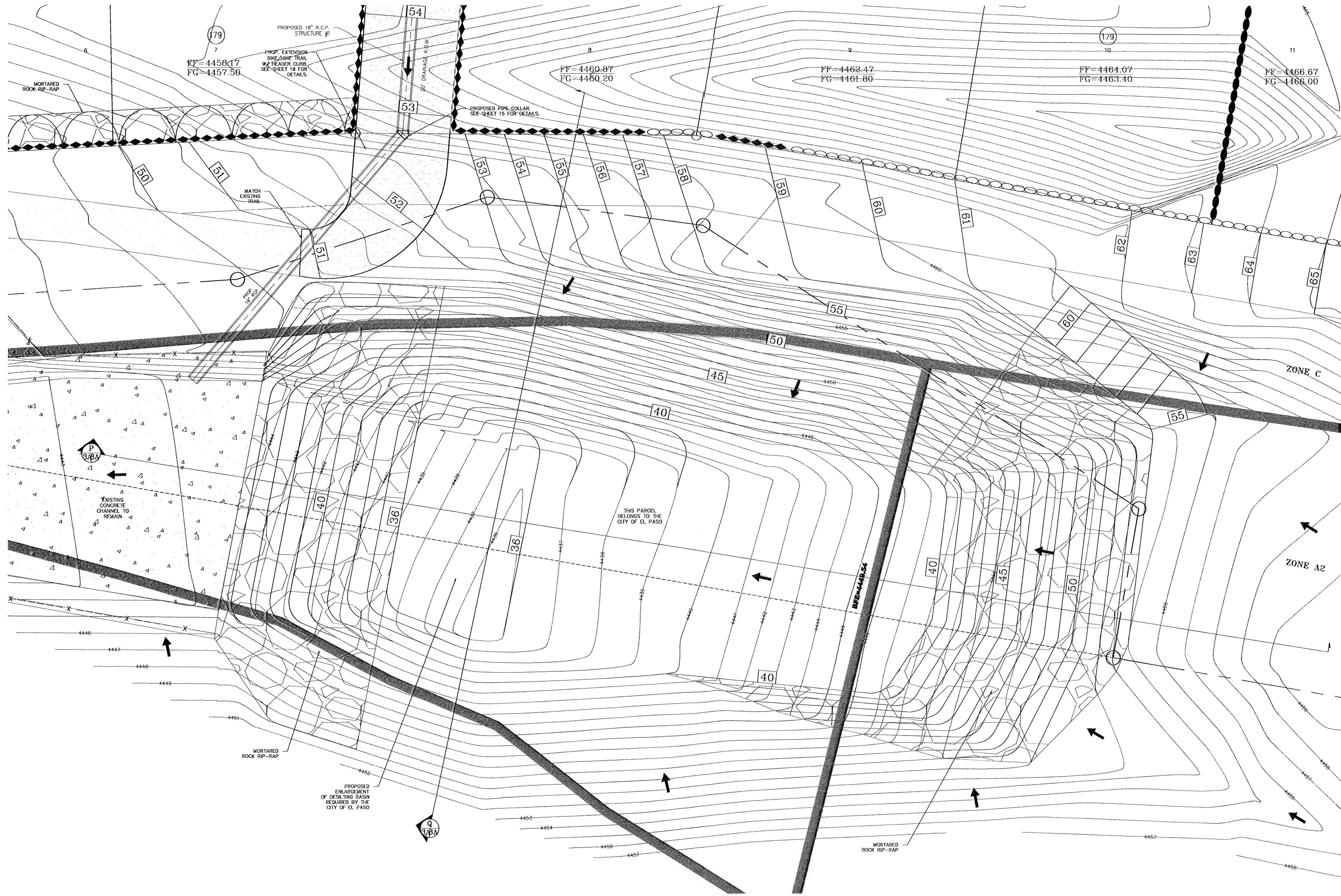
REVISIONS:

DATE	REVISIONS	BY
04/14/10	CITY REDESINES AS PER 04/06/10 COMMENTS E.F.G.	E.F.G.
04/29/10	CITY REDESINES AS PER 04/26/10 COMMENTS E.F.G.	E.F.G.
05/06/10	REVISE CITY DESILTING BASIN	E.F.G.
11/23/10	AS BUILT	P.R.

CITY DATUM
CITY MONUMENT 17.25' EAST OF CENTERLINE INTERSECTION VIA DE LA PAZ DR. AND LOS PUEBLOS DR. ELEVATION 4443.71

SHEET TITLE: GRADING PLAN

SHT 3 OF 26

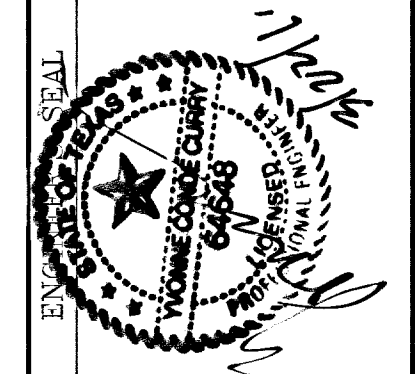


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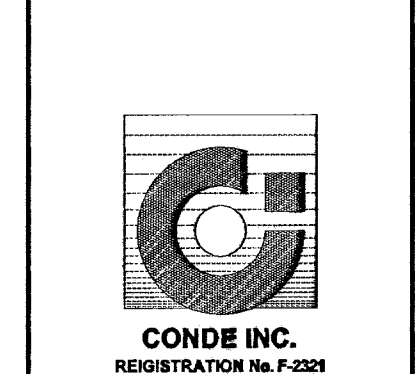
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DATE	04/29/10
REVISIONS	CITY REVISIONS AS PER 04/29/10 COMMENTS
BY	E.F.G.
DATE	05/09/10
REVISIONS	REVISE CITY DESILTING BASIN
BY	E.F.G.

PROJECT NAME
CHAPARRAL PARK
UNIT FORTY FOUR
 BEING A PORTION OF TRACT 1B, H. G. FOSTER SURVEY NO. 20, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 13.176 ACRES

SCALE	1" = 10'
DATE	DEC. 2009
DESIGN BY	YC
INITIATED BY	RO
CHECKED BY	YC
JOB NO.	1109-13

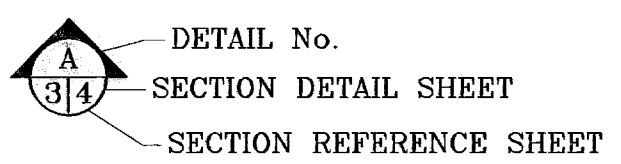


CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6080 SURETY DR. STE 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0283
 FAX: (915) 592-0286



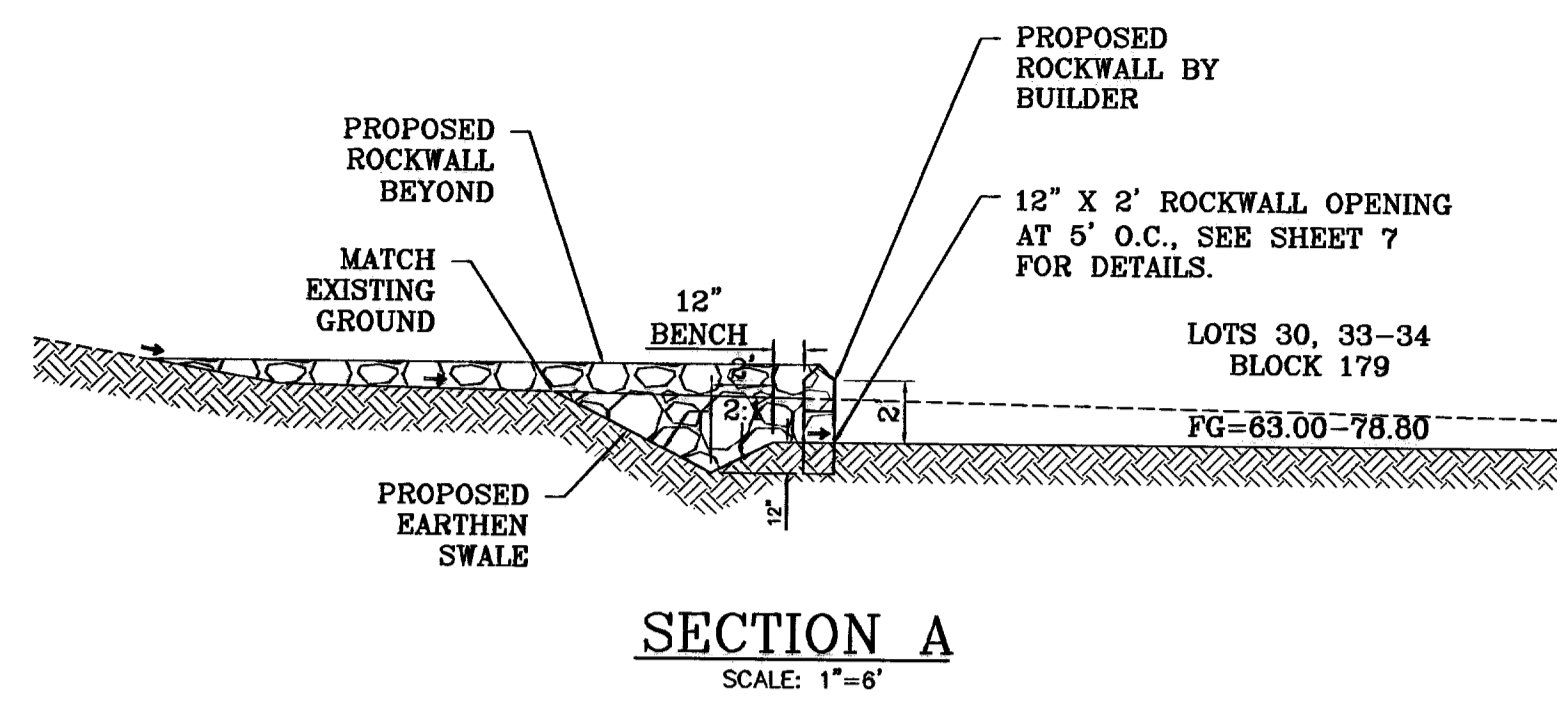
SHEET TITLE
DESILTING BASIN

B.F.E.'S ARE CITY DATUM

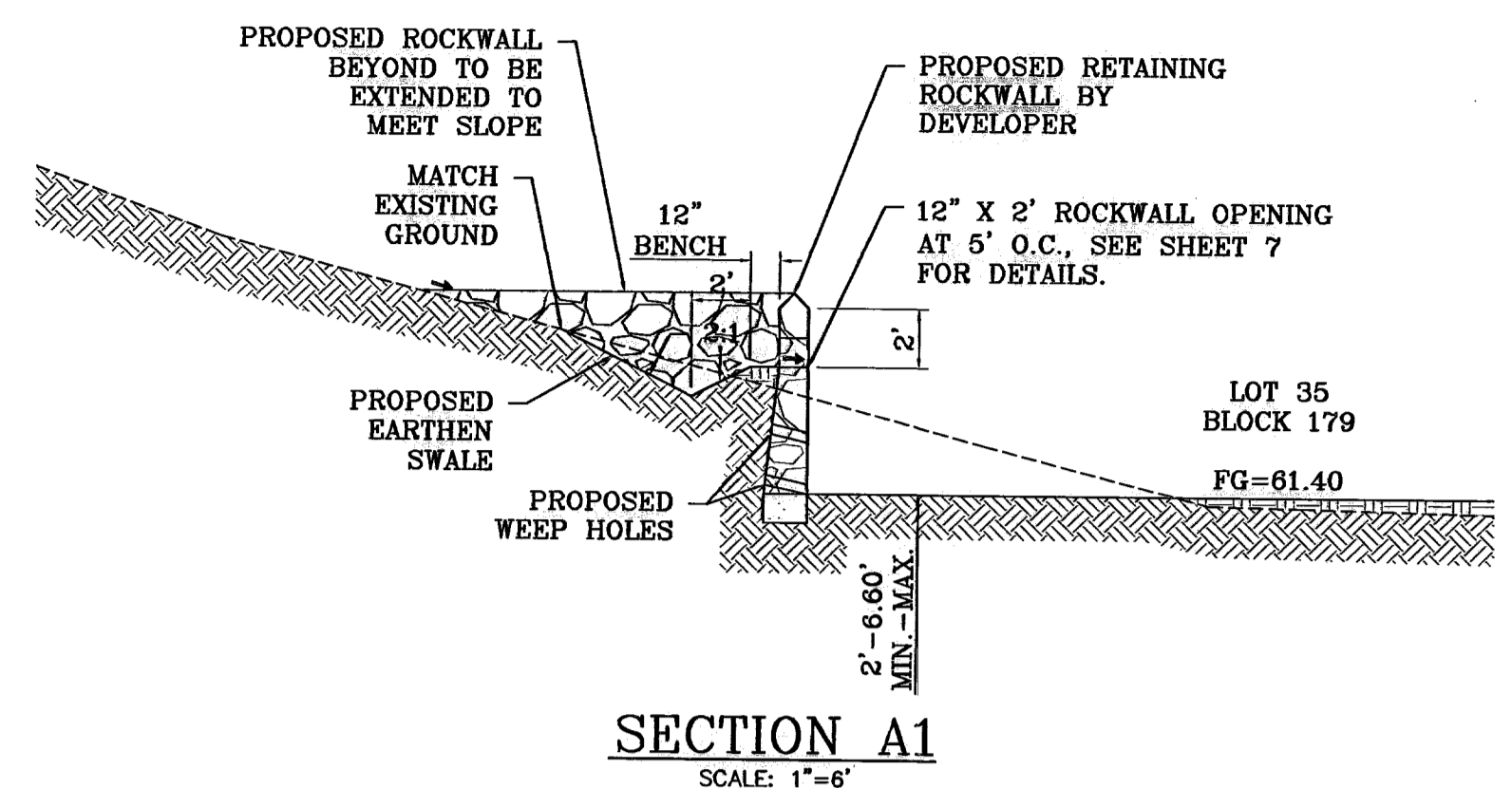


LEGEND

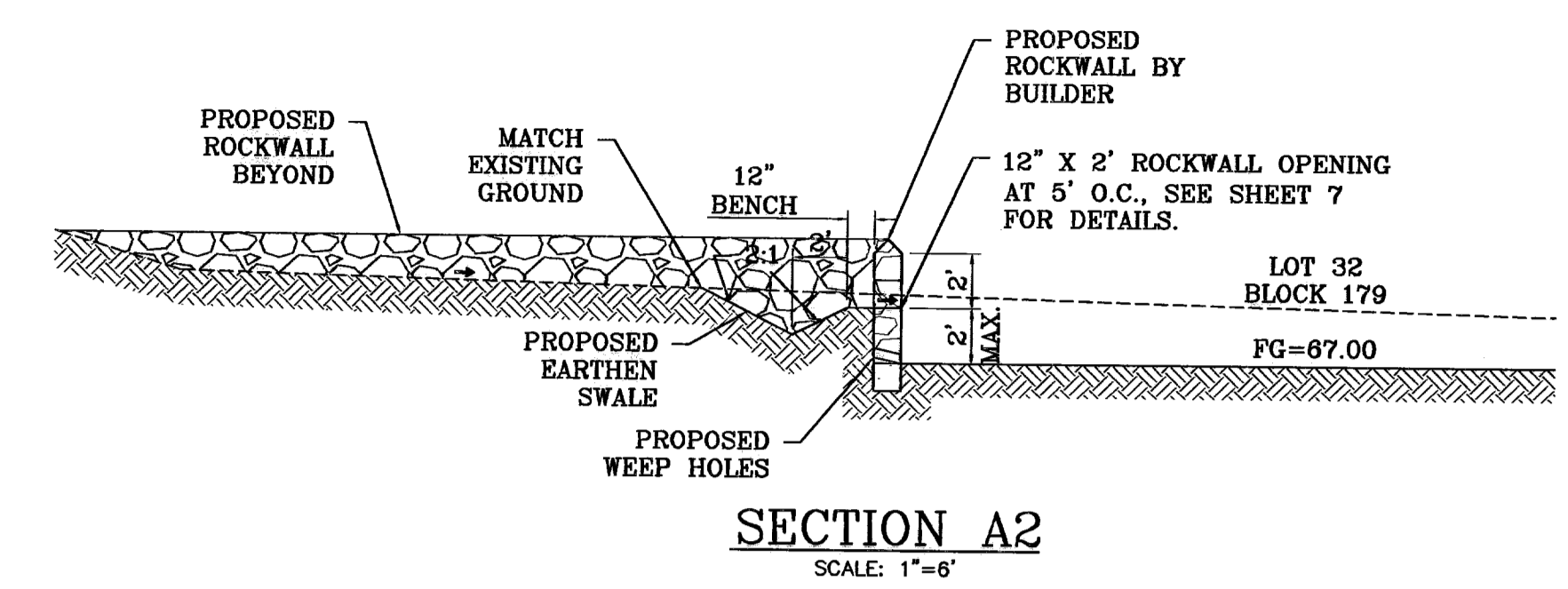
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FG=00.00	PROPOSED FINISH GROUND
00.00	PROPOSED SPOT ELEVATION
4000	EXISTING CONTOUR
4000	PROPOSED CONTOUR
○	PROPOSED 6' ROCK WALL BY DEVELOPER
●	PROPOSED 2'-4' RETAINING WALL BY BUILDER
◆	PROPOSED 4'+ RETAINING WALL BY DEVELOPER



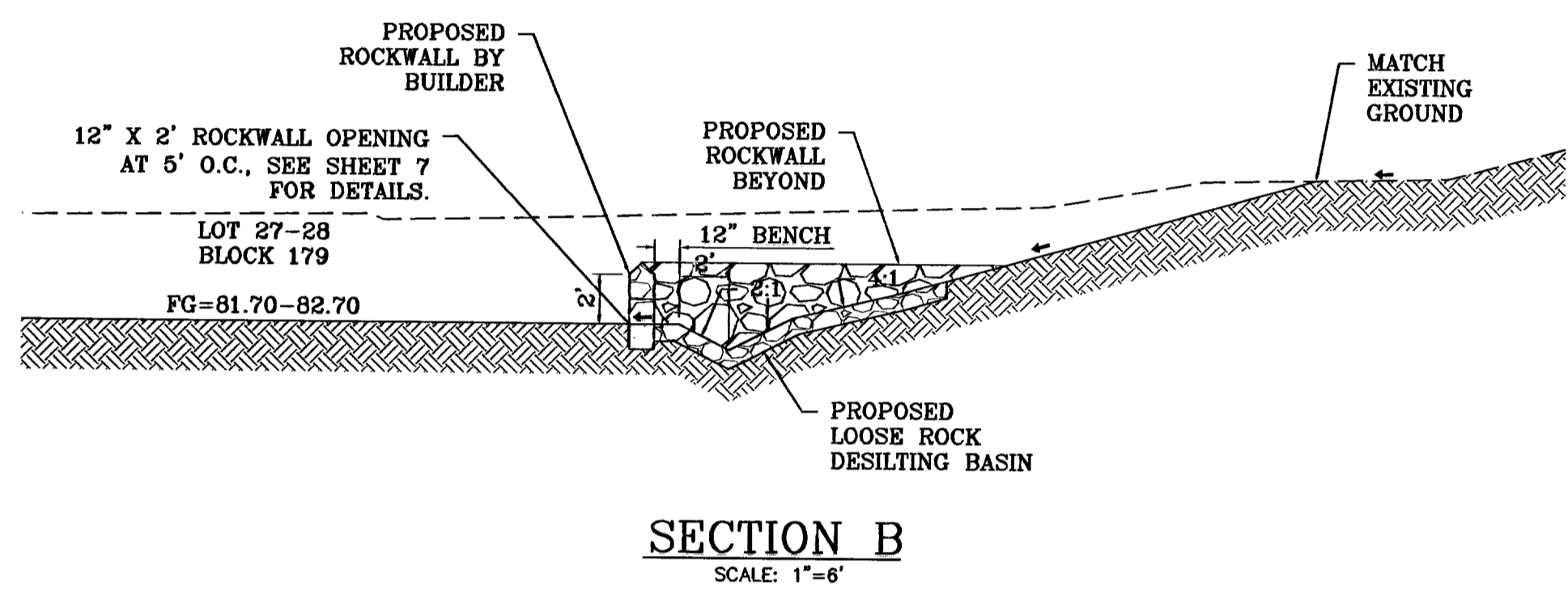
SECTION A
SCALE: 1"=6'



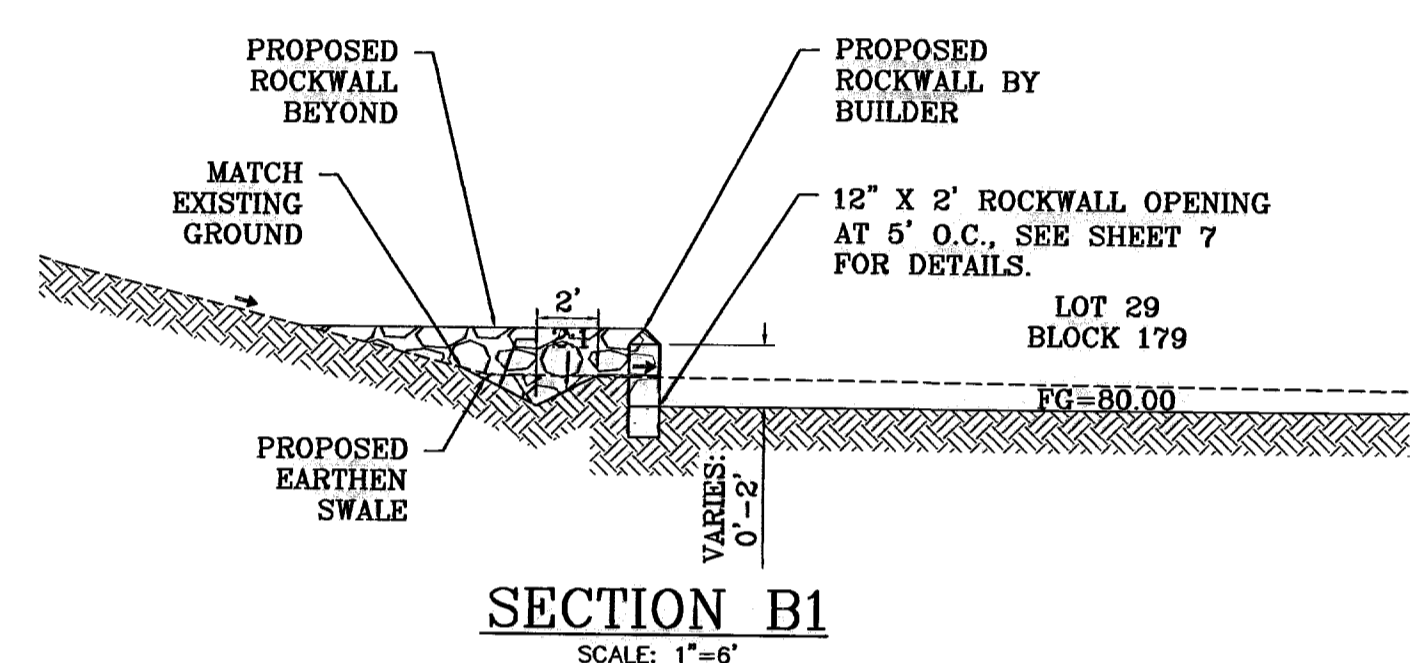
SECTION A1
SCALE: 1"=6'



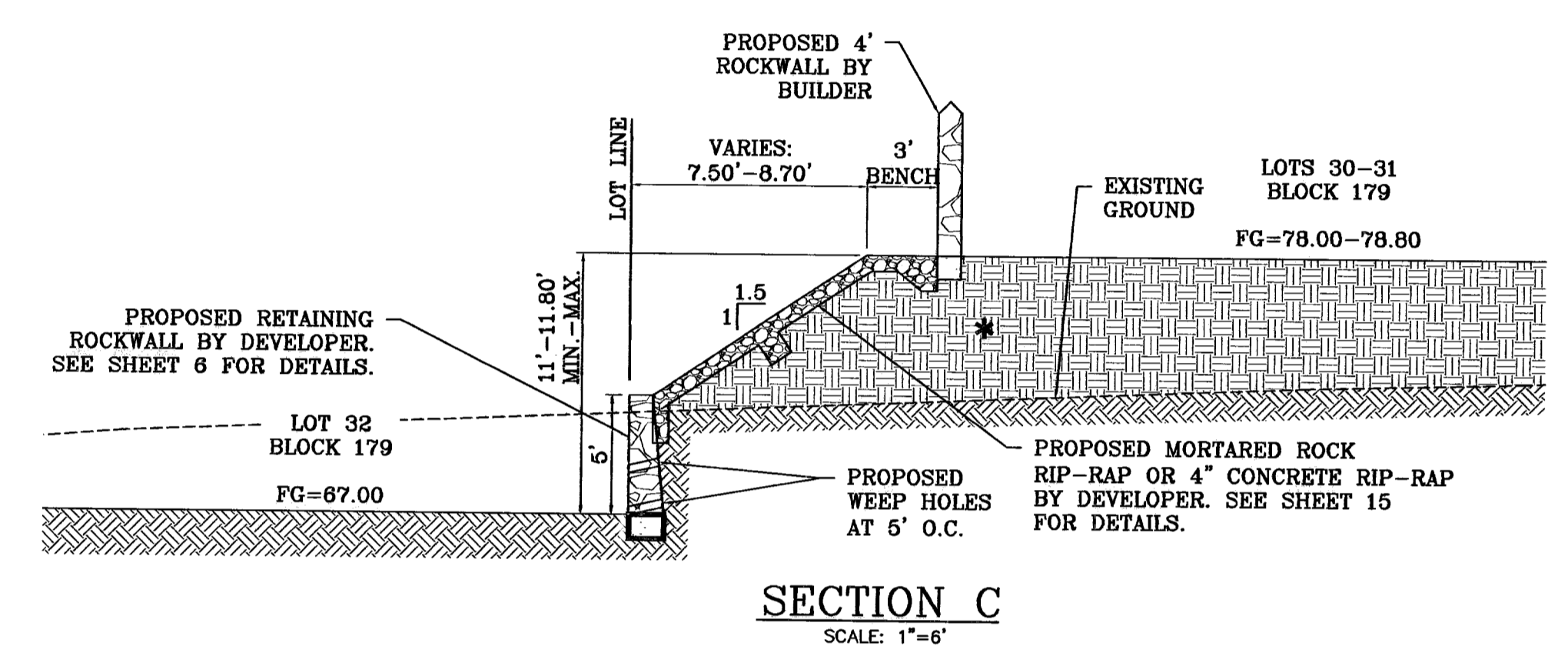
SECTION A2
SCALE: 1"=6'



SECTION B
SCALE: 1"=6'

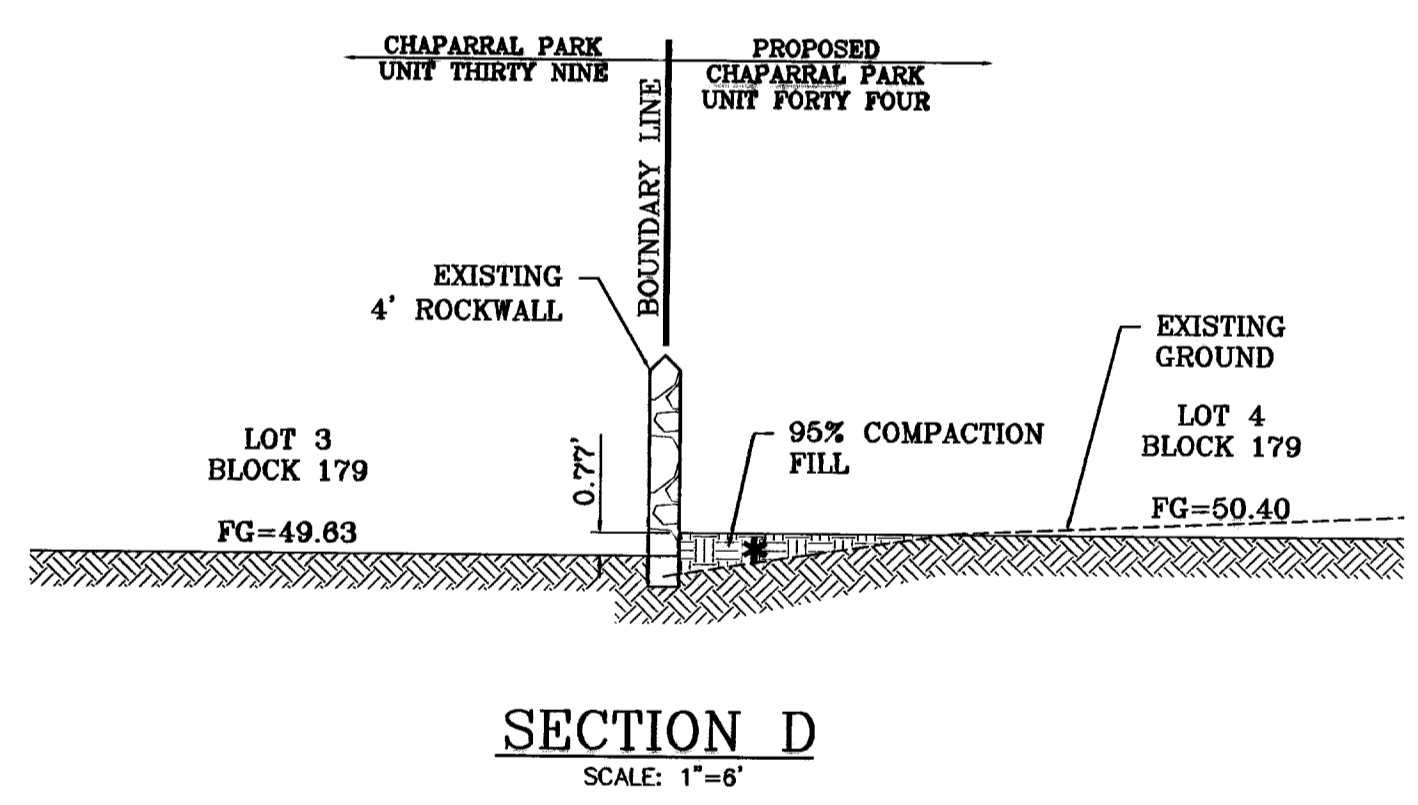


SECTION B1
SCALE: 1"=6'

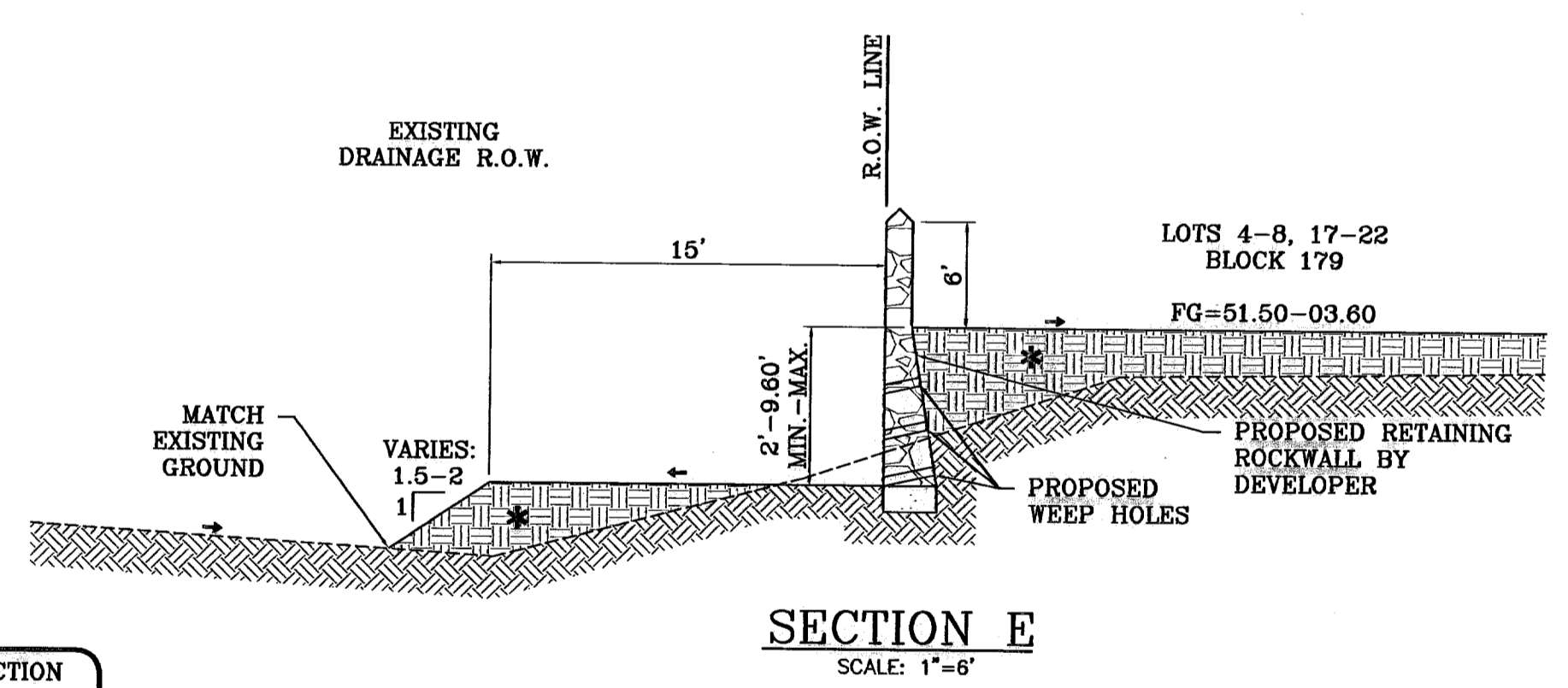


SECTION C
SCALE: 1"=6'

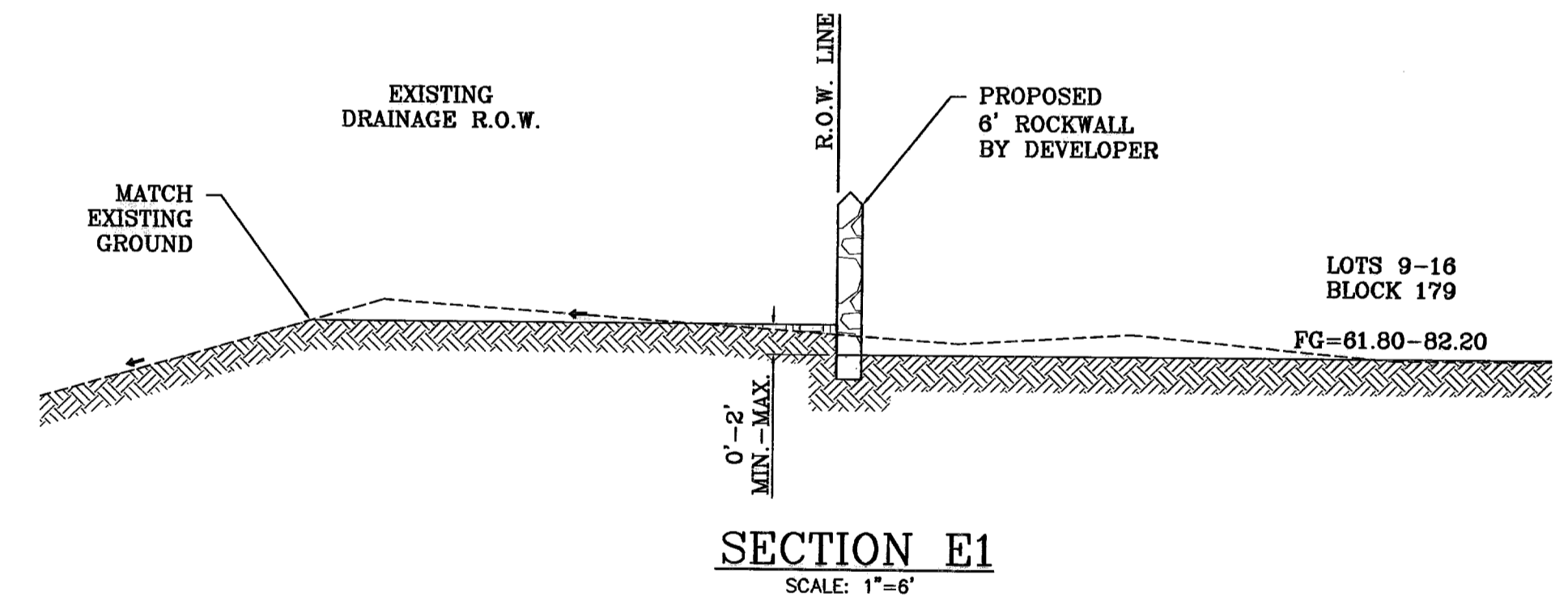
* 95% COMPACTION
(AS PER ASTM D-1557)



SECTION D
SCALE: 1"=6'

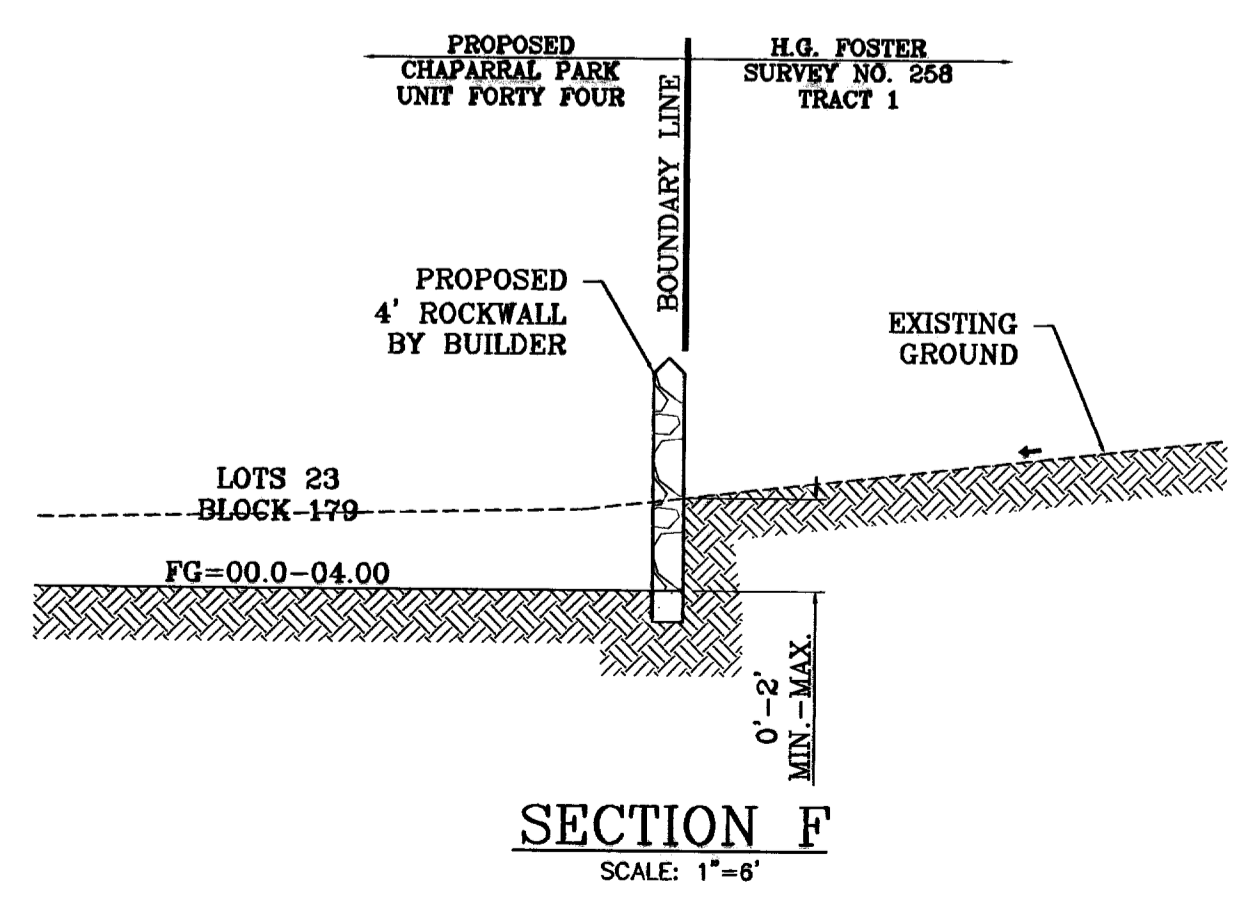


SECTION E
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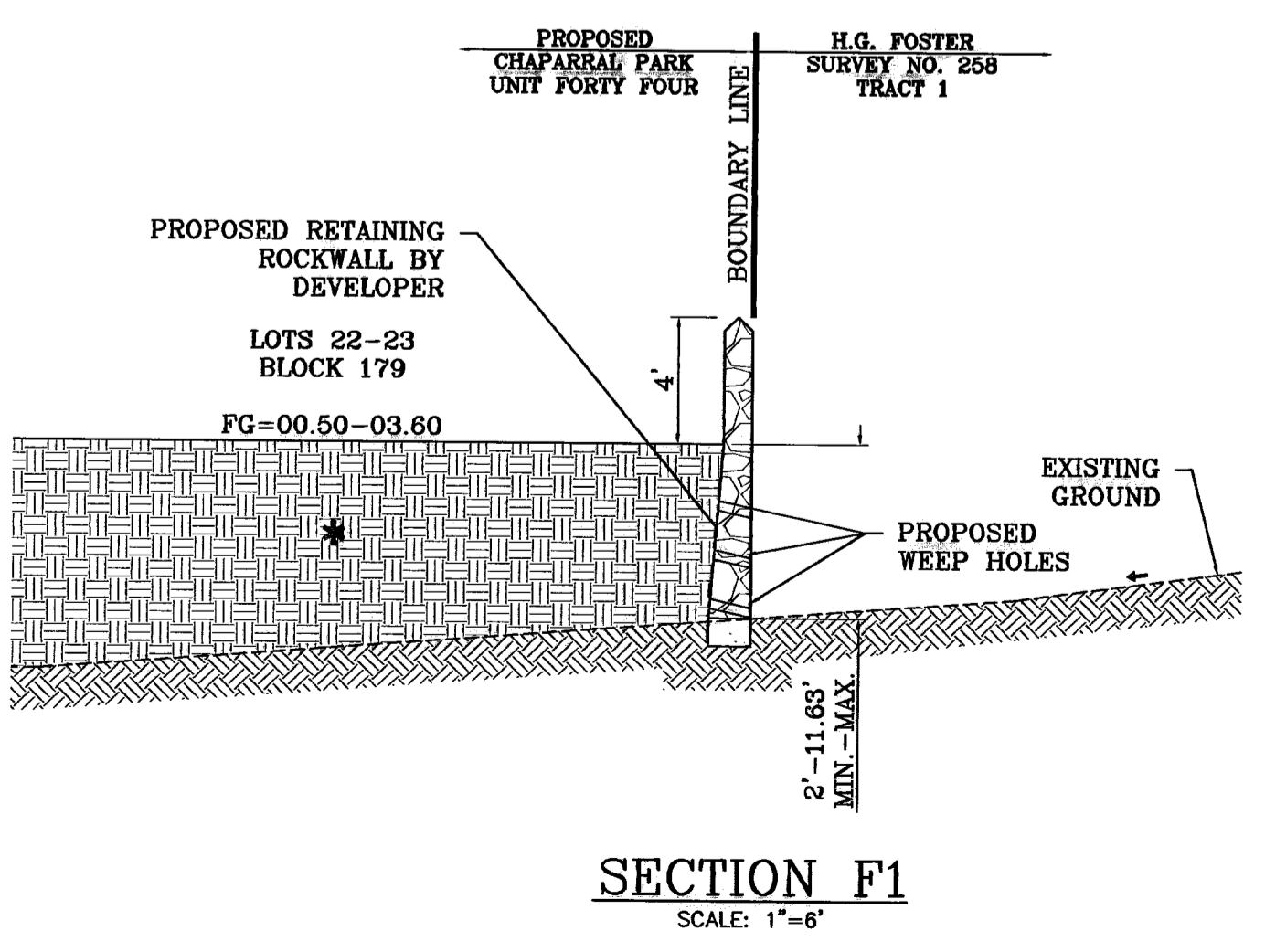


SECTION E1
SCALE: 1"=6'

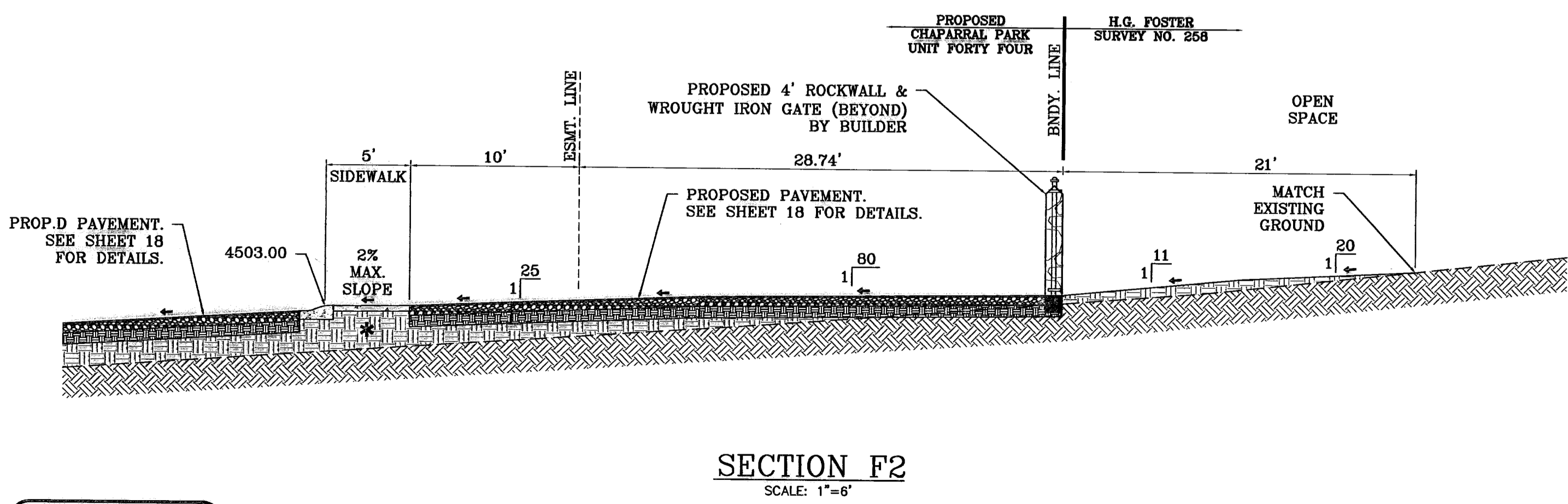
* 95% COMPACTION
(AS PER ASTM D-1557)



SECTION F
SCALE: 1"=6'



SECTION F1
SCALE: 1"=6'



SECTION F2
SCALE: 1"=6'

* 95% COMPACTION
(AS PER ASTM D-1557)

BENCHMARK

CITY MONUMENT 17.23' EAST OF CENTERLINE INTERSECTION OF VIA DE LA PAZ DR. AND LOS PUEBLOS DR.	ELEVATION 4443.71	CITY DATUM
DATE 04/13/10	CITY REVISIONS	BY
04/30/10	CITY REVISIONS AS PER 04/08/10 COMMENTS E.F.G.	
04/30/10	CITY REVISIONS AS PER 04/26/10 COMMENTS E.F.G.	

PROJECT NAME
CHAPARRAL PARK UNIT FORTY FOUR

BEING A PORTION OF TRACT 1B, H. G. FOSTER, SURVEY NO. 268, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 13.176 ACRES

SCALE

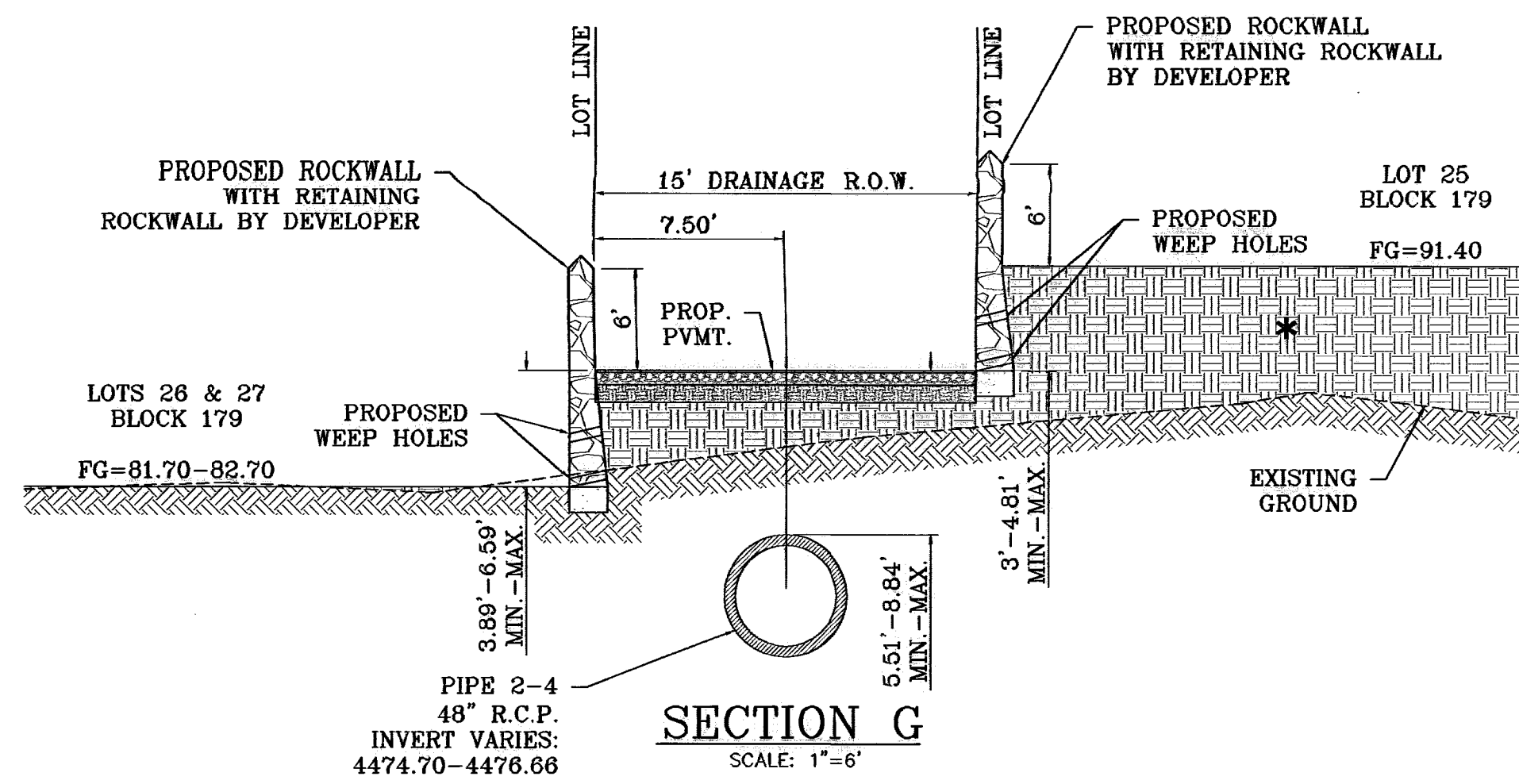
HORIZ. AS NOTED	VERT. ---
DATE: DEC. 2009	DESIGN BY: YC
INITIATED BY: YC	CHECKED BY: YC
JOB NO.: 1109-13	

CONDE INC.

ENGINEERING / PLANNING / SURVEYING / GPS

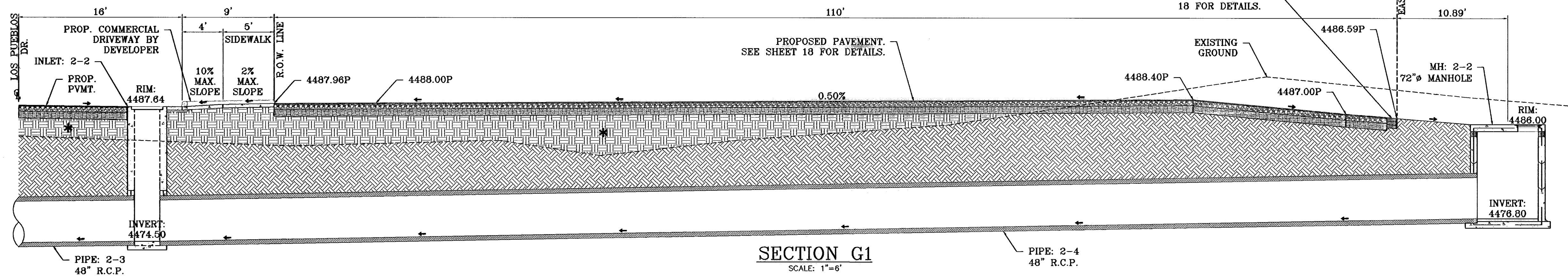
6080 SURVEY DR. STE 100
EL PASO, TEXAS 79905
PHONE: (915) 592-0283
FAX: (915) 592-0286

CONDE INC.
REGISTRATION No. F-2321

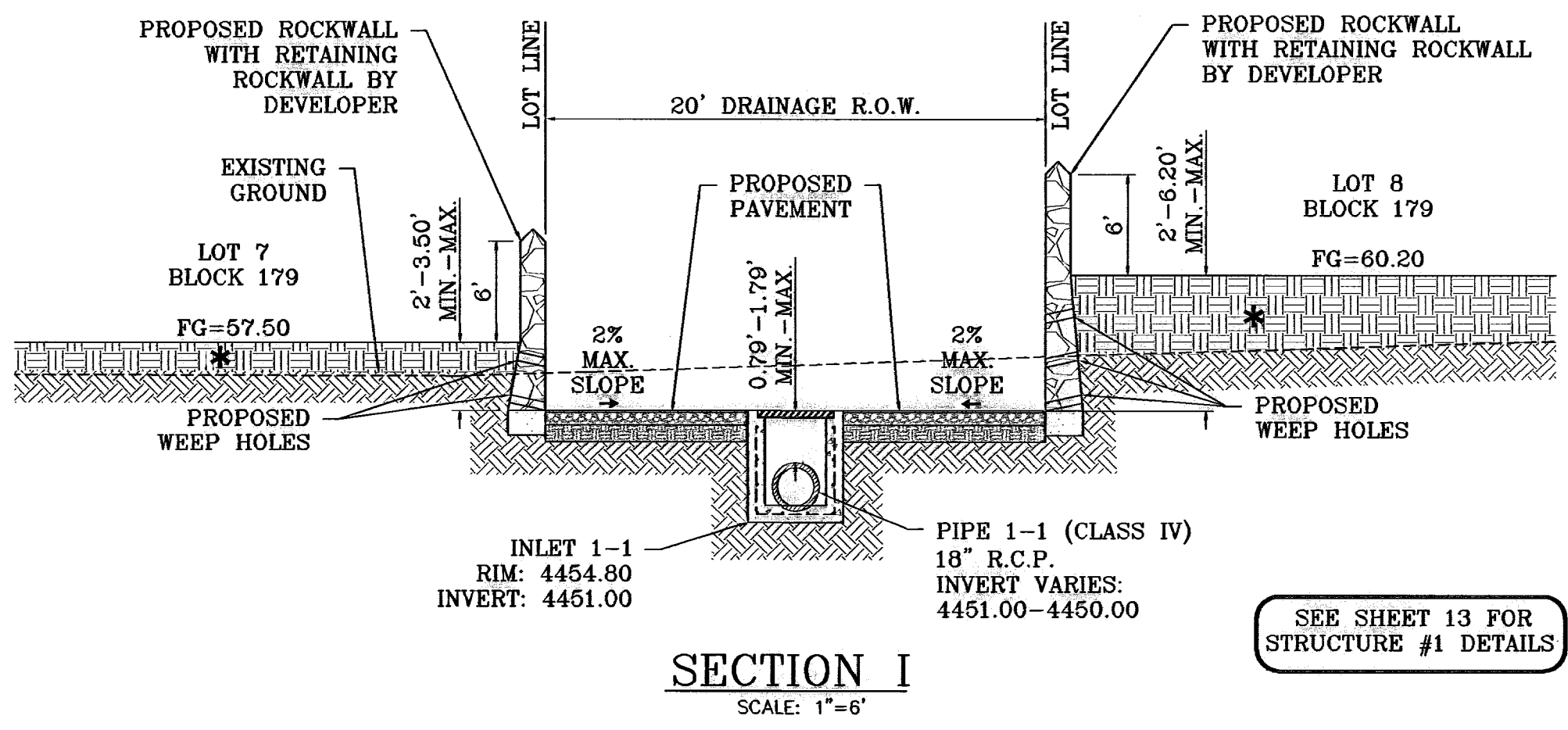
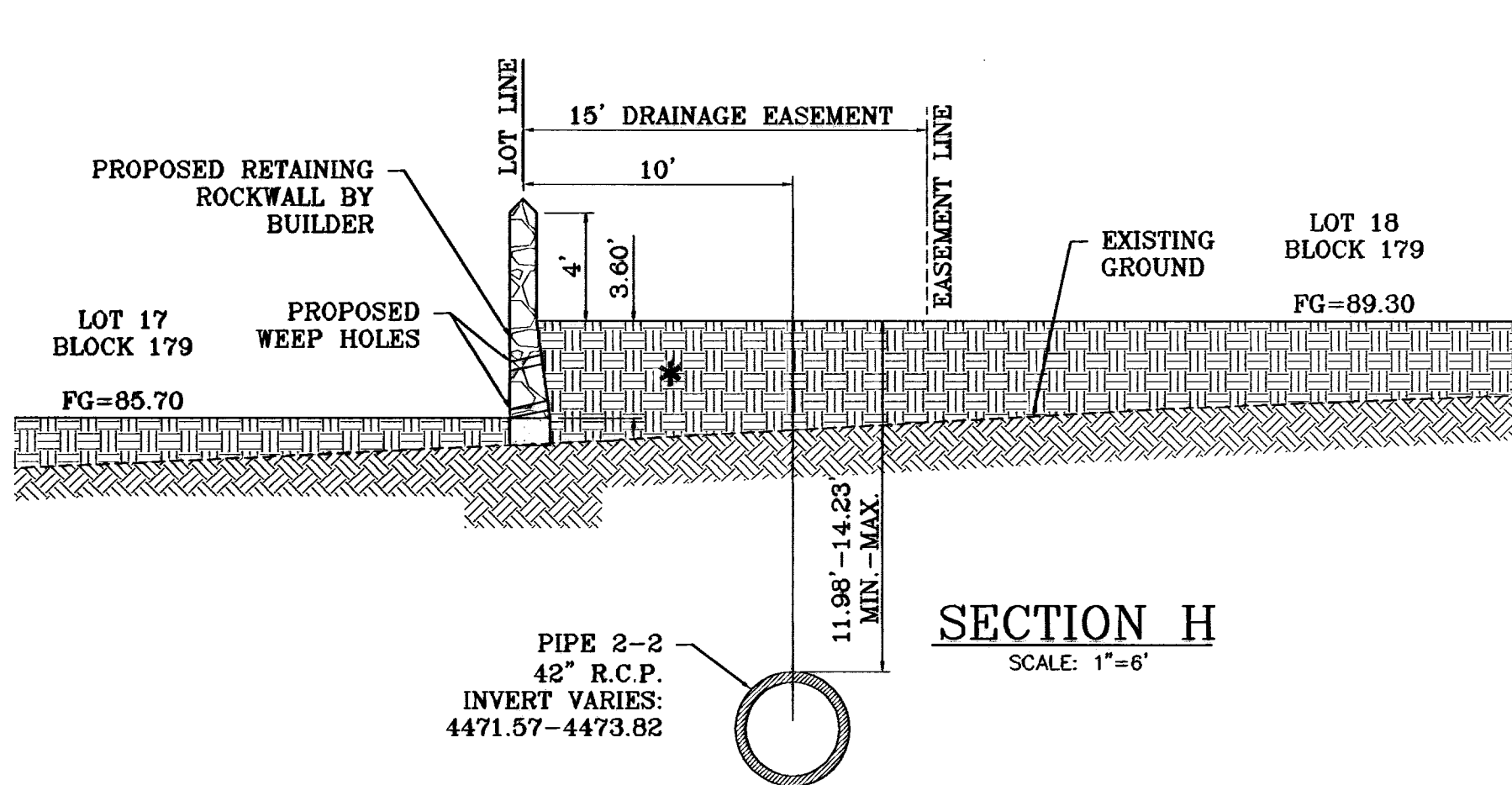


SEE SHEET 13 FOR
STRUCTURE #2 DETAILS

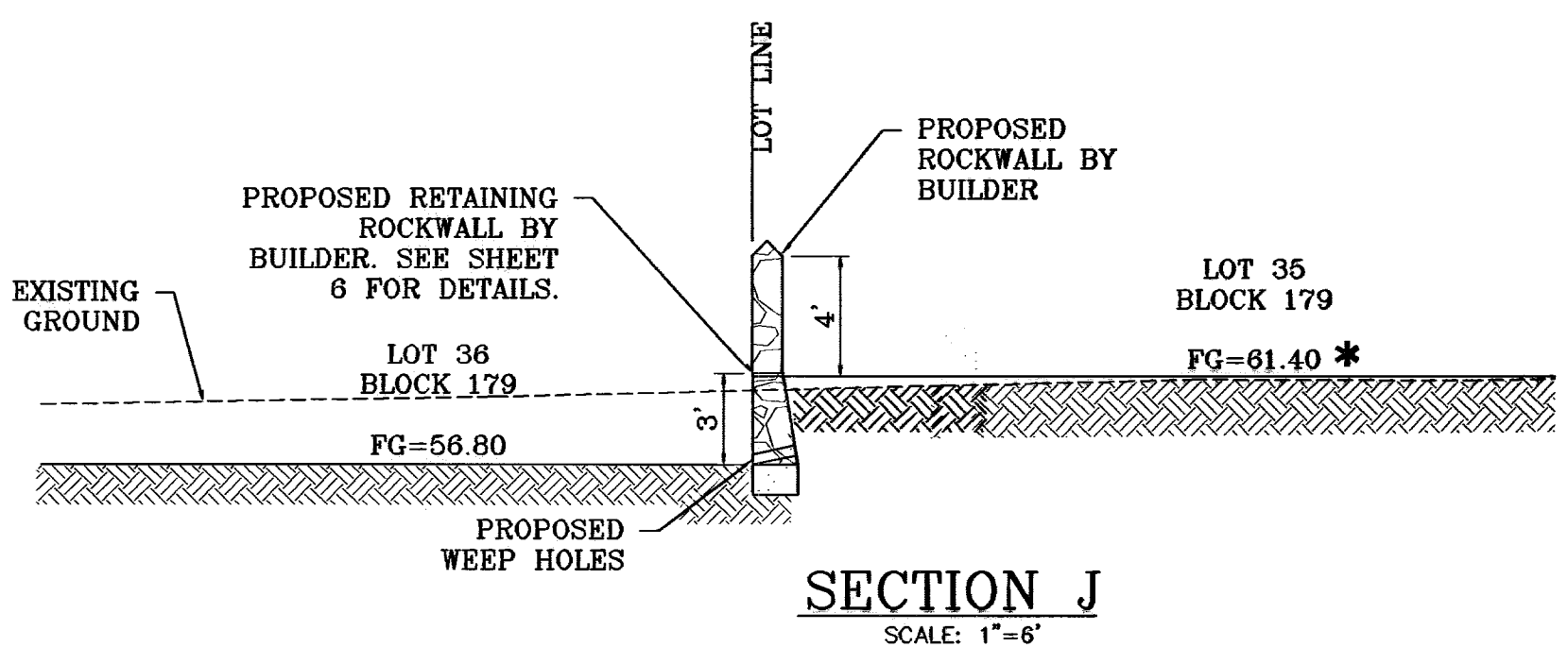
* 95% COMPACTION
(AS PER ASTM D-1557)



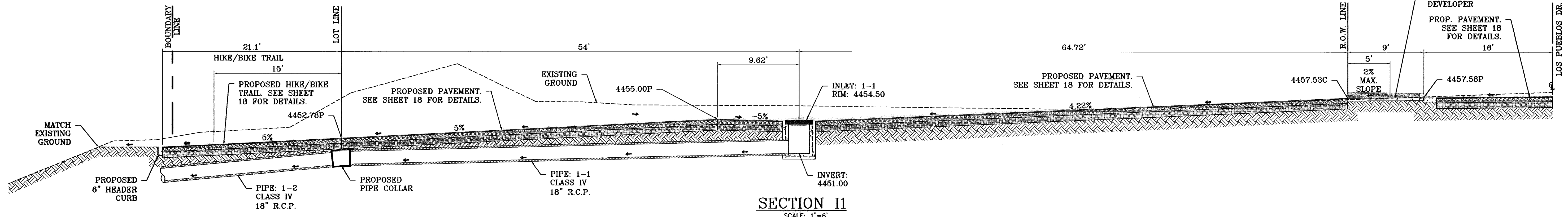
SEE SHEET 13 FOR
STRUCTURE #2 DETAILS



SEE SHEET 13 FOR
STRUCTURE #1 DETAILS



* 95% COMPACTION
(AS PER ASTM D-1557)



BENCHMARK	
CITY MOUNTAIN 17.23' EAST OF CENTERLINE INTERSECTION OF VILA DE LA PAZ DR. AND LOS PUEBLOS DR.	ELEVATION 4443.71
DATE	REVISIONS
04/19/10	CITY REDLINES AS PER 04/06/10 COMMENTS E.F.G.
04/20/10	CITY REDLINES AS PER 04/26/10 COMMENTS E.F.G.

PROJECT NAME
**CHAPARRAL PARK
UNIT FORTY FOUR**

BEING A PORTION OF TRACT 1B, H. G. FOSTER, SR. AND ANNE M. FOSTER, TRUSTEES EL PASO COUNTY, TEXAS EL PASO, TEXAS, PLANS CONTAINING 13.176 ACRES

SCALE
HORIZ: AS NOTED
VERT: ---

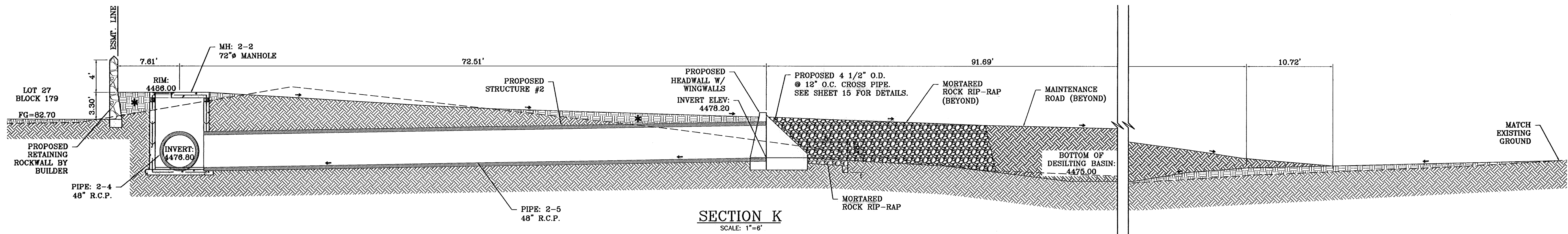
DATE: DEC. 2009
DESIGN BY: YC
INITIATED BY: RO
CHECKED BY: YC
JOB NO.: 1109-13

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
6040 SURETY DR. STE. 100
EL PASO, TEXAS 79905
PHONE: (915) 592-0283
FAX: (915) 592-0286



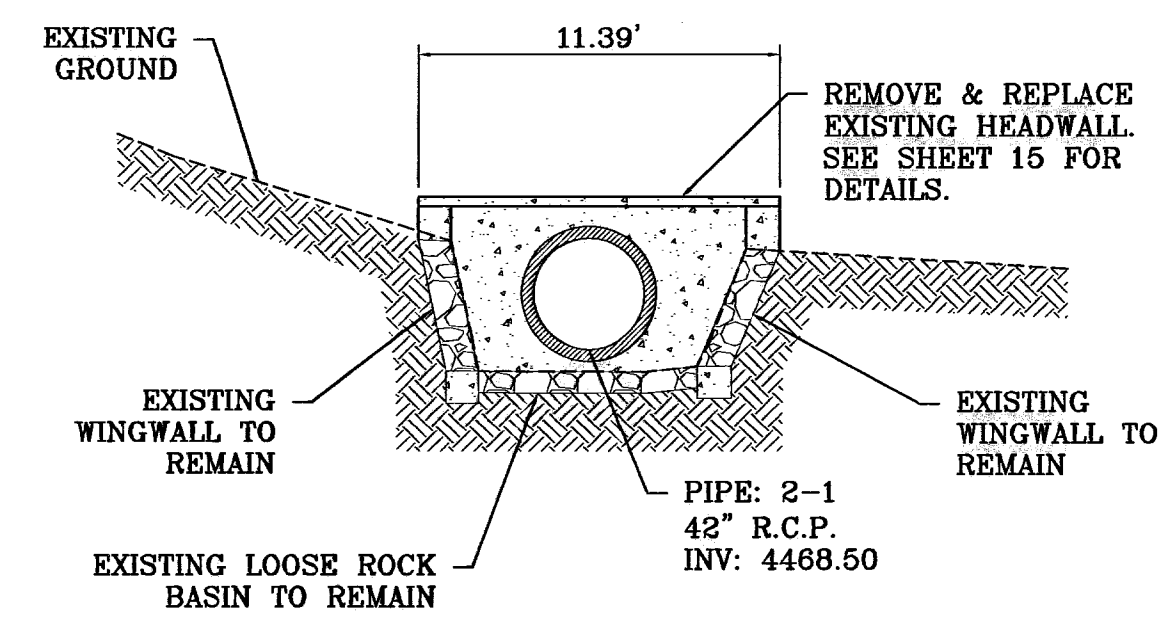
SHEET TITLE
**GRADING
SECTIONS**

600827

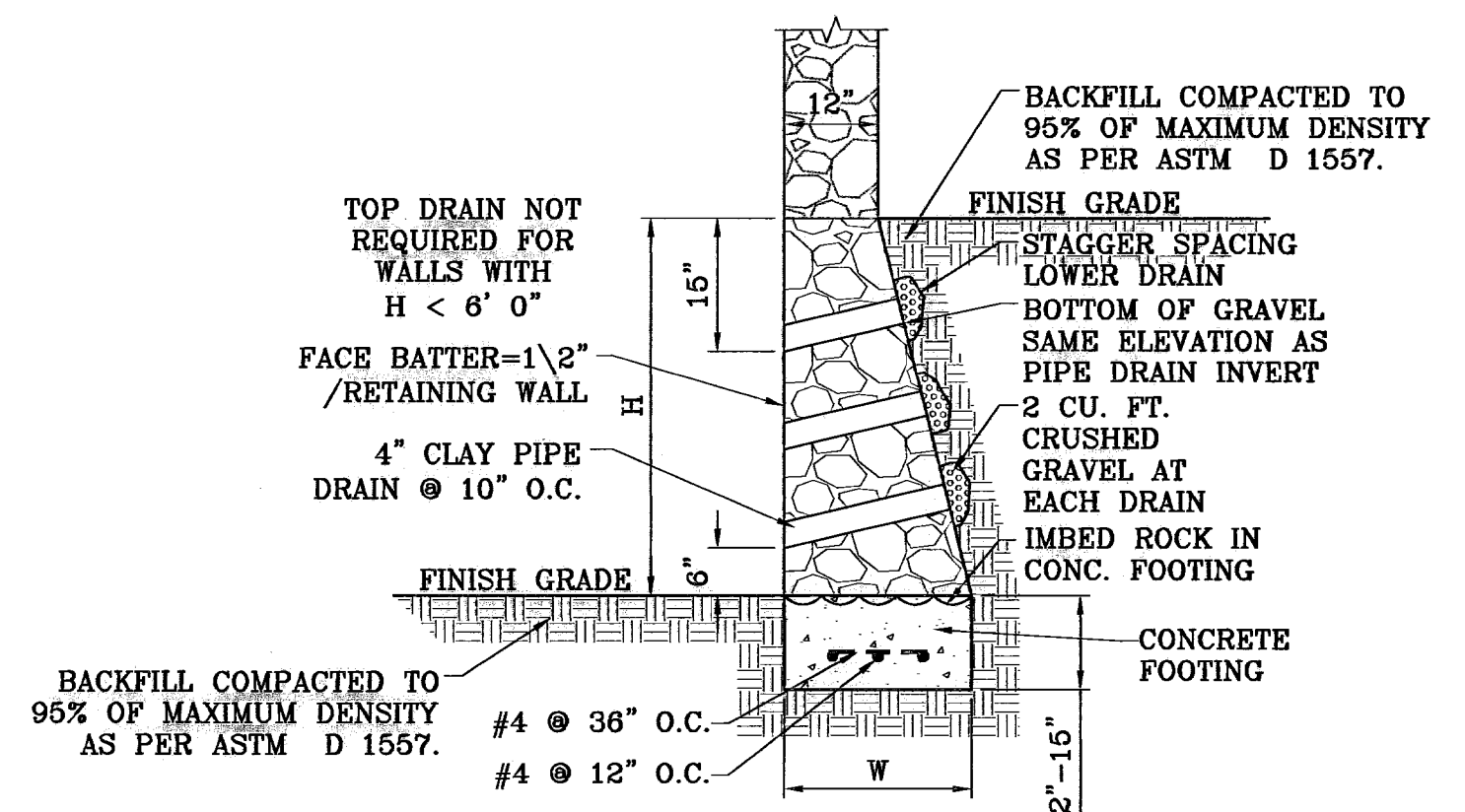


SECTION K
SCALE: 1"=6'

* 96% COMPACTION
(AS PER ASTM D-1557)



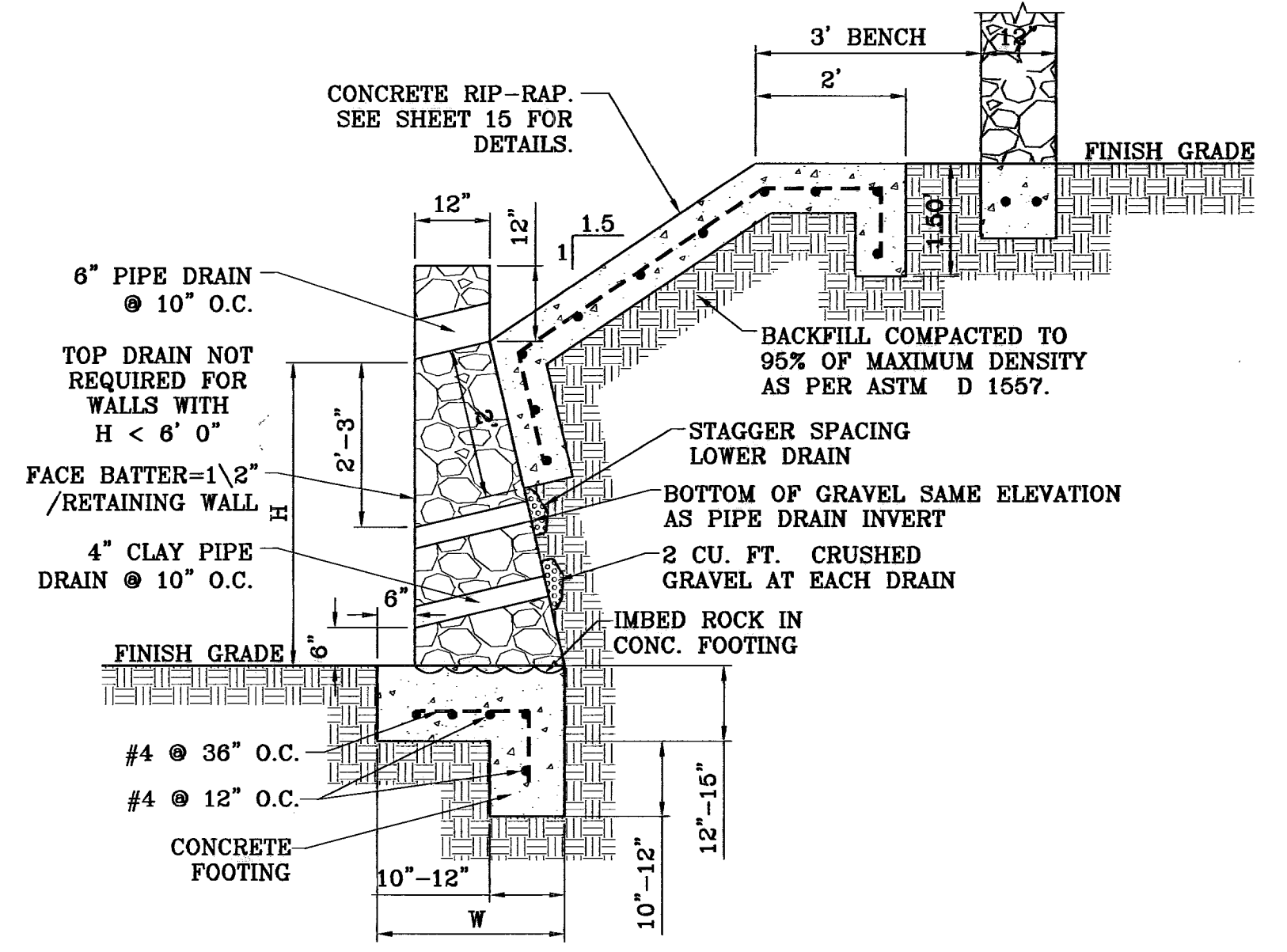
SECTION M
SCALE: 1"=6'



RETAINING WALL DETAIL
SCALE: 1"=2'

THIS DESIGN FOR THE FOLLOWING LOTS ONLY:
REAR LOTS 4-22
SIDE LOTS 7, 8, 23-25

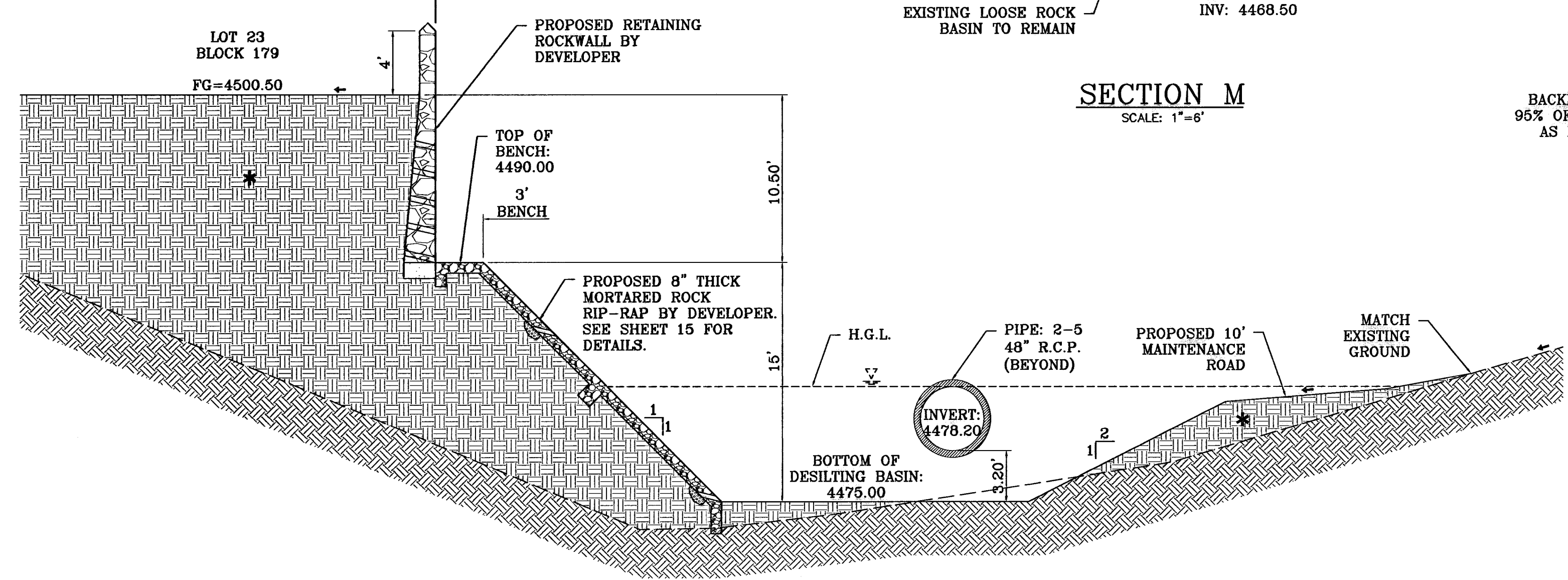
HEIGHT H (ft.)	BASE WIDTH W (ft.)	FOOTING (ft.)	TOE PRESSURE (lbs/s.f.)	HEEL PRESSURE (lbs/s.f.)
3'-0"	1'-6"	12"	1657.5	0
4'-0"	2'-3"	12"	1665.5	0
5'-0"	3'-0"	12"	1721.2	74.8
6'-0"	3'-8"	12"	1841.6	161.3
7'-0"	4'-3"	15"	2151.3	190.1
8'-0"	4'-9"	15"	2370.8	225.6
9'-0"	5'-3"	15"	2519.1	285
10'-0"	6'-0"	15"	2609.1	401



RETAINING WALL W/
SLOPE DETAIL
SCALE: 1"=2'

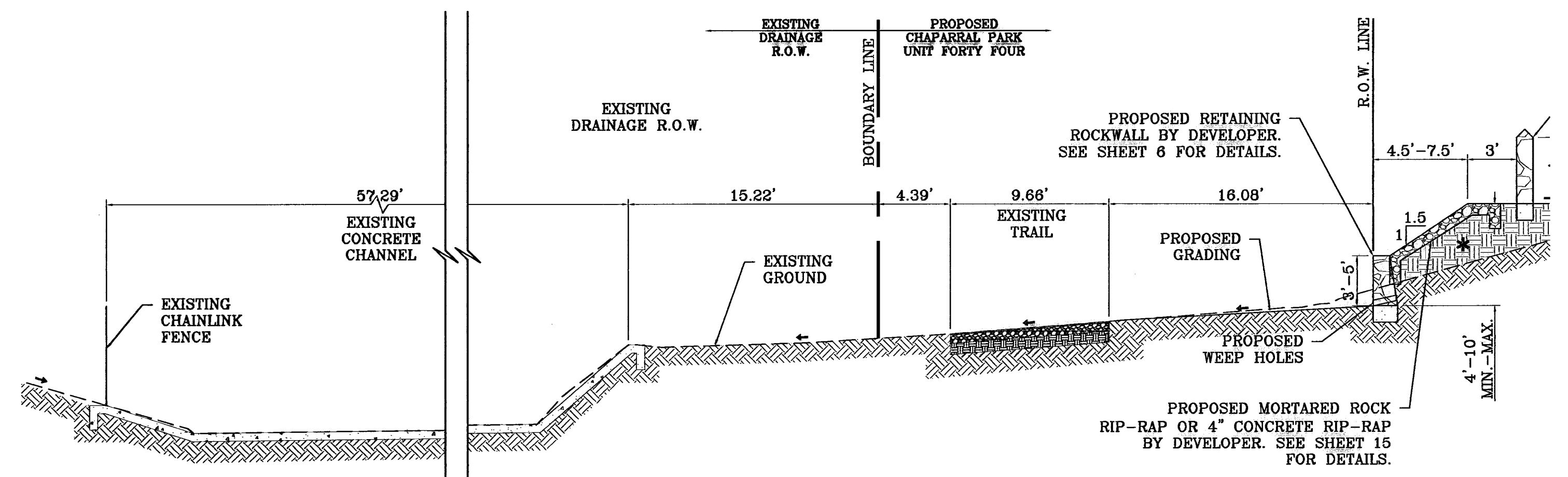
THIS DESIGN FOR THE FOLLOWING LOTS ONLY:
LOTS 30 & 31 (5' RETAINING WALL)
LOTS 4-7 (3'-5' RETAINING WALL)
LOT 36 (3' RETAINING WALL)

HEIGHT H (ft.)	BASE WIDTH W (ft.)	FOOTING (ft.)	KEY (ft.)	TOE PRESSURE (lbs/s.f.)	HEEL PRESSURE (lbs/s.f.)
3'-0"	3'-0"	12"	10"	1020	265
5'-0"	4'-9"	15"	12"	1307	663.5

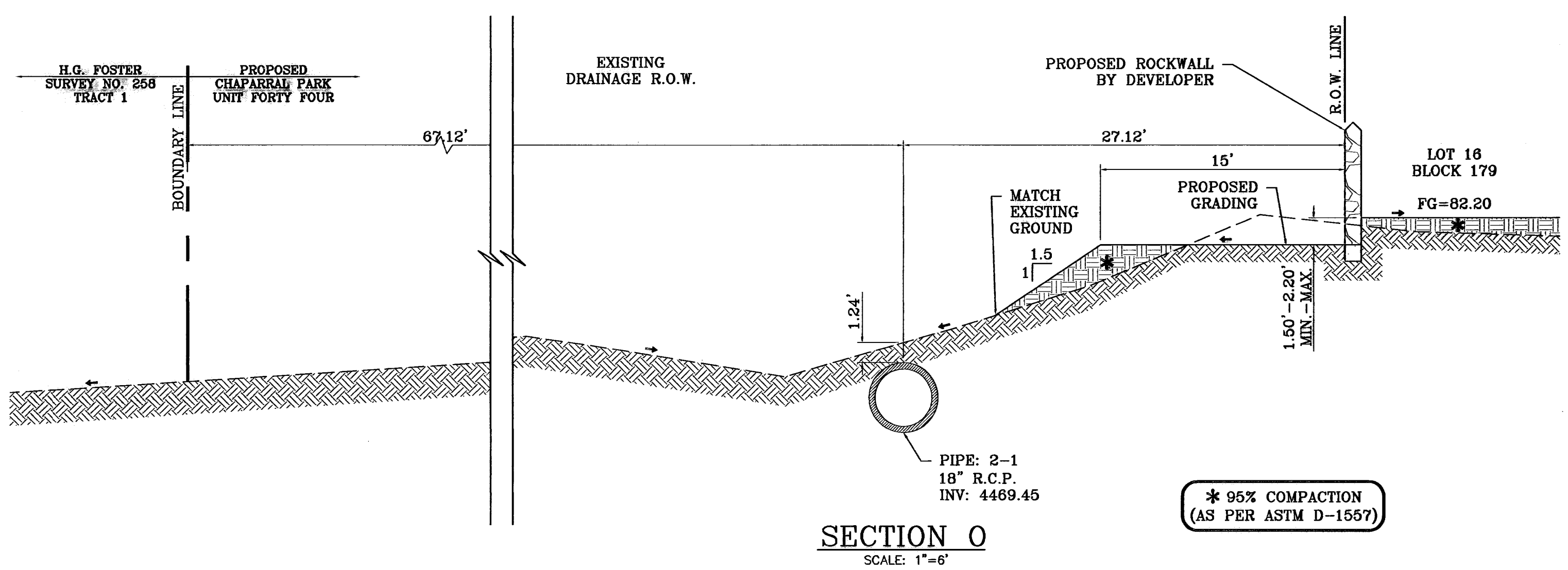


SECTION L
SCALE: 1"=6'

SEE SHEET 13 FOR
STRUCTURE #2 DETAILS



SECTION N
SCALE: 1"=6'



SECTION O
SCALE: 1"=6'

* 95% COMPACTION
(AS PER ASTM D-1557)

BENCHMARK
CITY MONUMENT 17.23' EAST OF CENTERLINE INTERSECTION
OF VIA DE LA PAZ DR. AND LOS PUEBLOS DR.
ELEVATION 44445.71
DATE 04/13/10
CITY REDLINES AS PER 04/06/10 COMMENTS E.F.G.
04/30/10
CITY REDLINES AS PER 04/26/10 COMMENTS E.F.G.

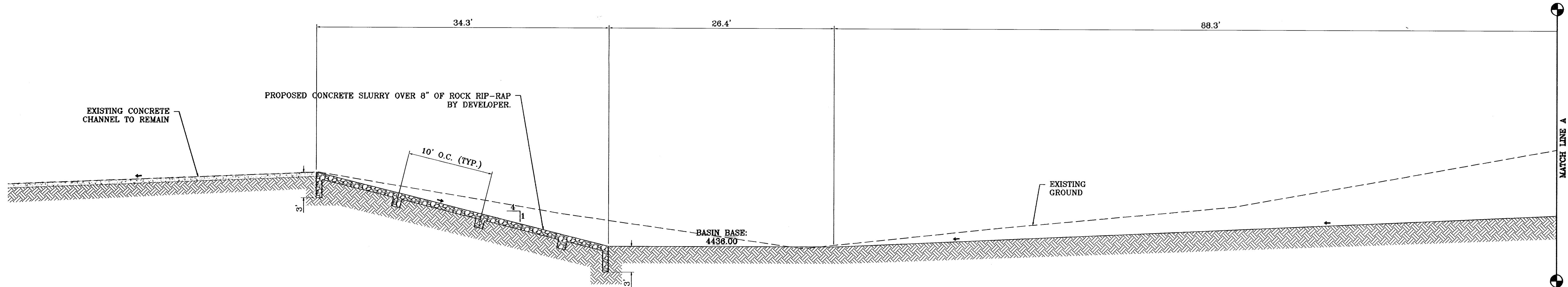
PROJECT NAME
**CHAPARRAL PARK
UNIT FORTY FOUR**
BEING A PORTION OF TRACT 1B, H. G.
FOSTER, SURVEY NO. 268, CITY OF EL
PASO, EL PASO COUNTY, TEXAS
CONTAINING: 13.175 ACRES

SCALE
HORIZ. AS NOTED
VERT. ---
DATE: DEC. 2009
DESIGN BY: YC
INITIATED BY: RO
CHECKED BY: YC
JOB NO.: 1109-13

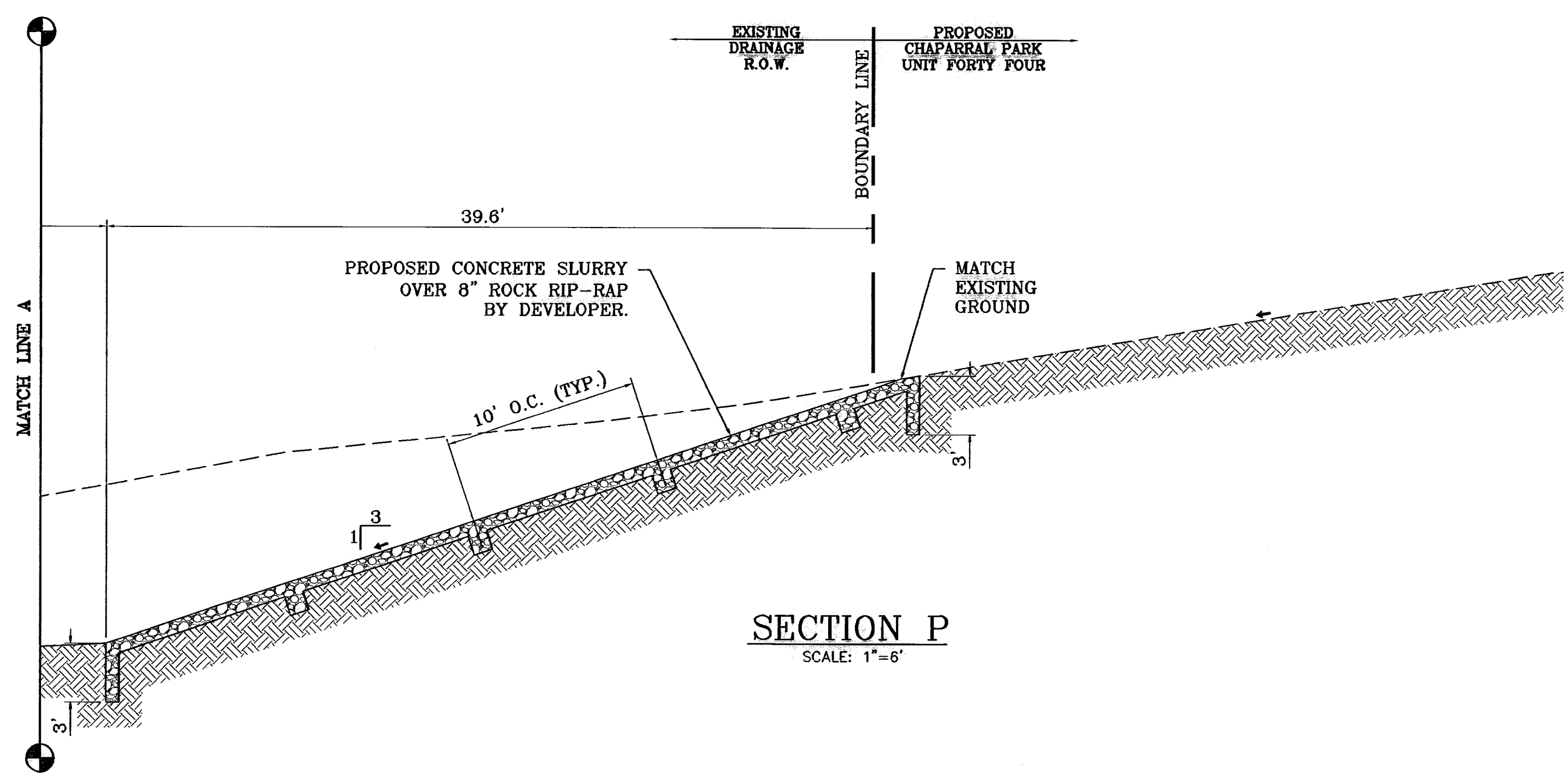
ENGINEER'S SEAL
CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
6080 SURREY DR. STE. 100
EL PASO, TEXAS 79905
PHONE: (915) 592-0285
FAX: (915) 592-0286

CONDE INC.
REGISTRATION NO. F-224

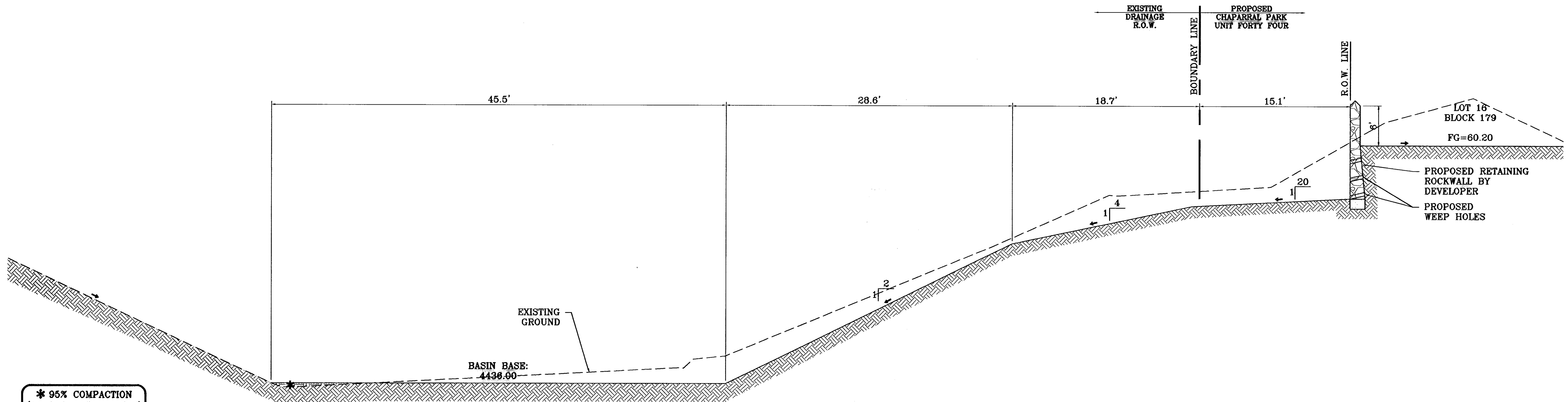
SHEET TITLE
**GRADING
SECTIONS**



SECTION P
SCALE: 1"=6'



SECTION P
SCALE: 1"=6'

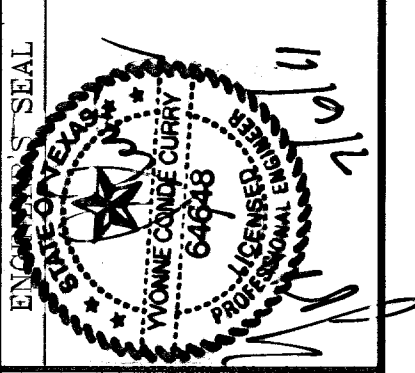


SECTION Q
SCALE: 1"=6'

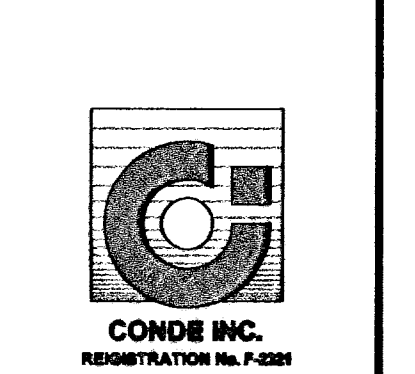
BENCHMARK	
CITY MONUMENT 17.23' EAST OF CENTERLINE INTERSECTION OF VIA DE LA PAZ DR. AND LOS PUEBLOS DR.	ELEVATION 4443.71
DATE	REVISIONS
04/30/10	CITY REDLINES AS PER 04/28/10 COMMENTS
06/08/10	REVISE CITY DESILING BASIN
	BY
	E.F.G.
	E.F.G.

PROJECT NAME
CHAPARRAL PARK UNIT FORTY FOUR
BEING A PORTION OF TRACT 1B, H. G. FOSTER, SURVEY No. 256, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 13.176 ACRES

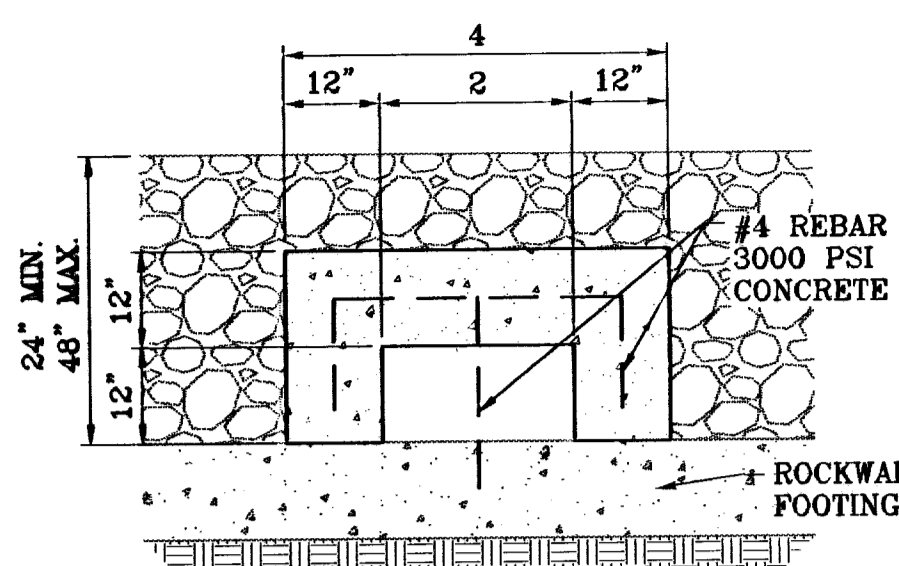
SCALE	
HORIZ. AS NOTED	VERT. ---
DATE: DEC. 2009	DESIGN BY: YC
INITIATED BY: RO	CHECKED BY: YC
JOB NO.: 1109-13	



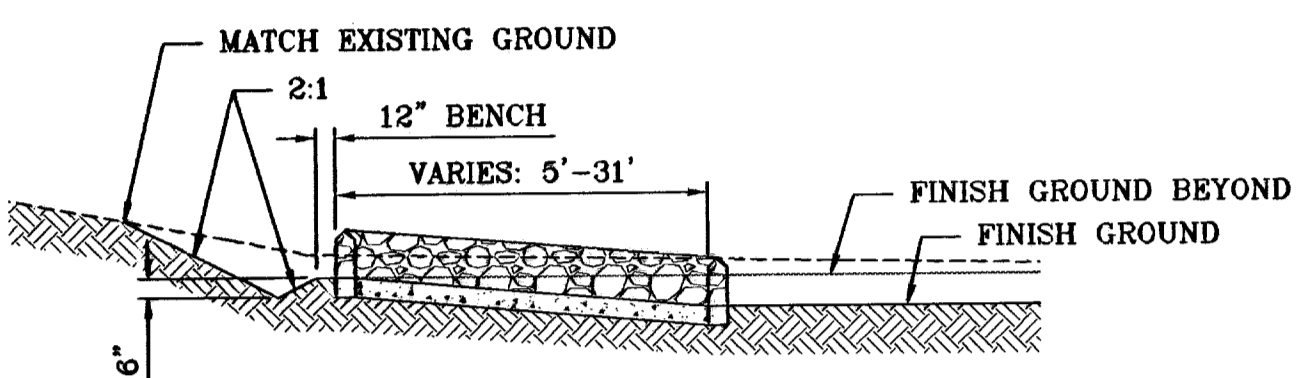
CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
6080 SURETY DR. STE 100
EL PASO, TEXAS 79905
PHONE: (915) 582-0283
FAX: (915) 582-0286



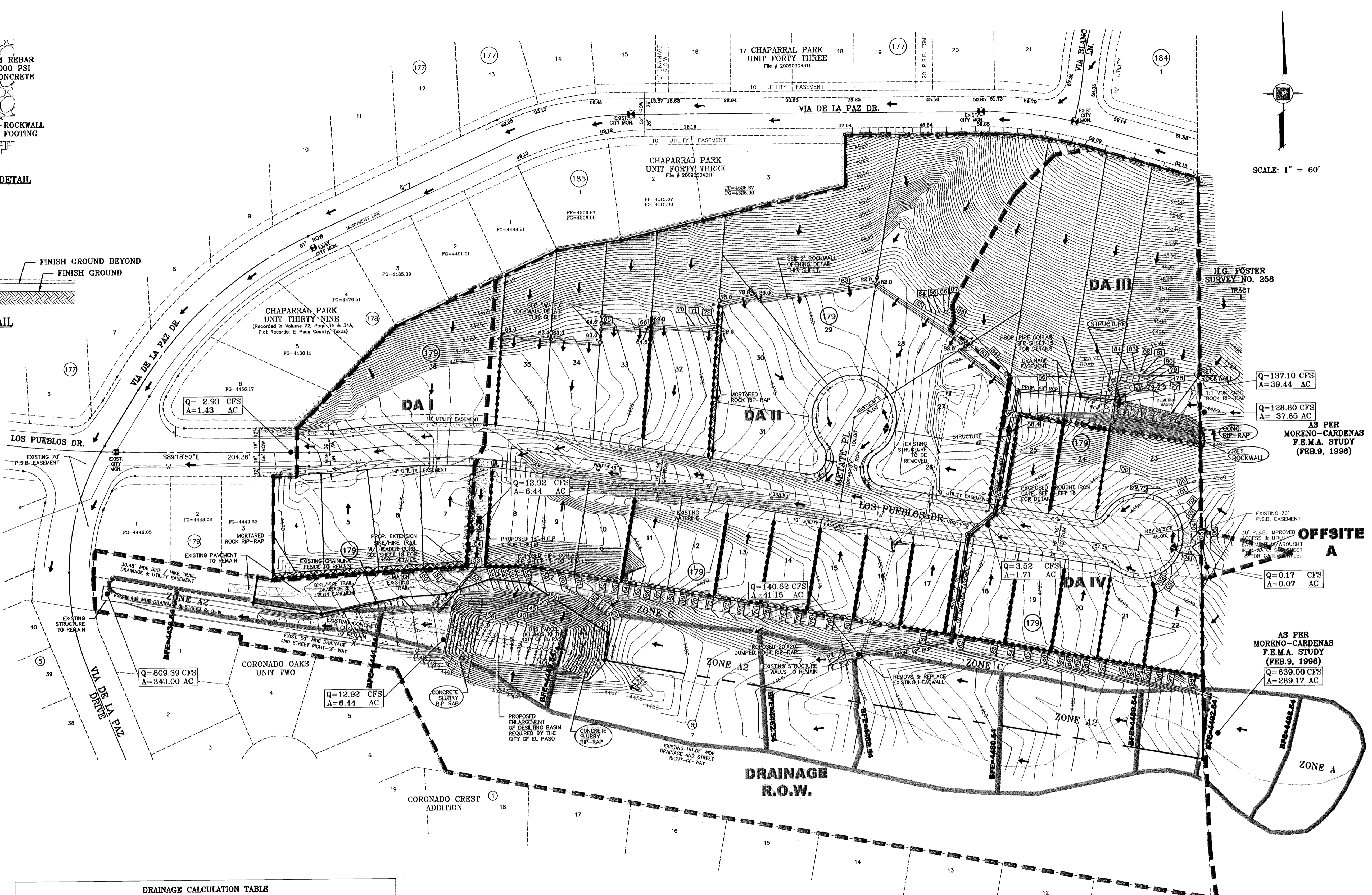
SHEET TITLE
GRADING SECTIONS



2' ROCKWALL OPENING @ 10' O.C. DETAIL
SCALE: 1"=2'



SWALE/ROCKWALL DETAIL
SCALE: 1"=10'



DRAINAGE AREA	AREA (acres)	Tc (min.)	C	I ₅₀ (in/hr)	Q ₅₀ (cfs)
I	1.43	21.0	0.58	3.53	2.93
II	6.44	22.0	0.58	3.46	12.92
III	1.79	8.0	0.95	4.88	8.30
IV	1.84	21.0	0.58	3.53	3.38
OFFSITE A	0.07	7.0	0.48	5.03	0.17
DRAIN. R.O.W.	8.24	17.0(W)	0.70(W)	3.86	16.85

WESTSIDE REGION
 $I_{50} = \frac{105.87}{(TC+22.27)^{0.008}}$

- LEGEND**
- Q RUN-OFF QUANTITY (CUBIC Ft/Sec)
 - A WATERSHED AREA (ACRES)
 - ▲ HIGH POINT
 - ▼ LOW POINT
 - DRAINAGE FLOW
 - - - - PROPOSED DRAINAGE AREA

SEE SHEET 13 AND 14 FOR DRAINAGE STRUCTURES #1 AND #2

NOTE:
 HEREON DESCRIBED TRACT LIES IN ZONE A2 & C, COMMUNITY PANEL NO. 480214 0022 E. DATED JANUARY 3, 1997.

SCALE: 1" = 60'

RO AS BUILT BENCHMARK

PROJECT NAME: CHAPARRAL PARK UNIT FORTY FOUR

CITY MONUMENT 17.23' EAST OF CENTERLINE INTERSECTION OF VIA DE LA PAZ DR. AND LOS PUEBLOS DR. ELEVATION 4448.71

DATE: 04/14/10
 REVISIONS: CITY DATUM

DATE: 04/29/10
 REVISIONS: CITY REDLINES AS PER 04/06/10 COMMENTS E.F.G.

DATE: 06/06/10
 REVISIONS: CITY REDLINES AS PER 04/28/10 COMMENTS E.F.G.

DATE: 11/23/10
 REVISIONS: REVISE CITY DESILTING BASIN E.F.G.

DATE: AS BUILT
 REVISIONS: AS BUILT F.R.

7-5-2001

PROJECT NAME: CHAPARRAL PARK UNIT FORTY FOUR

BEING A PORTION OF TRACT 18, H. G. FOSTER, SURVEY NO. 258, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 13.175 ACRES

H.G. FOSTER SURVEY NO. 258 TRACT I

AS PER MORENO-CARDENAS F.E.M.A. STUDY (FEB.9, 1998)

Q=137.10 CFS
A=39.44 AC

Q=128.80 CFS
A=37.65 AC

Q=0.17 CFS
A=0.07 AC

Q=140.62 CFS
A=41.15 AC

Q=809.39 CFS
A=343.00 AC

Q=12.92 CFS
A=6.44 AC

Q=2.93 CFS
A=1.43 AC

Q=639.00 CFS
A=289.17 AC

ENGINEER'S SEAL

SCALE: HORIZ: 1" = 60' VERT: 1" = 60'

DATE: DEC. 2009

DESIGN BY: YC

INITIATED BY: RO

CHECKED BY: YC

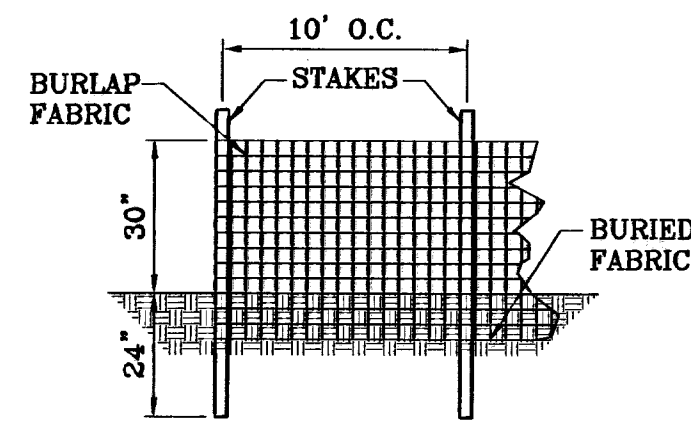
JOB NO.: 1109-13

CONDE INC. ENGINEERING / PLANNING SURVEYING / GPS 6080 SURETY DR. STE 100 EL PASO, TEXAS 79960 PHONE: (915) 592-0283 FAX: (915) 592-0286

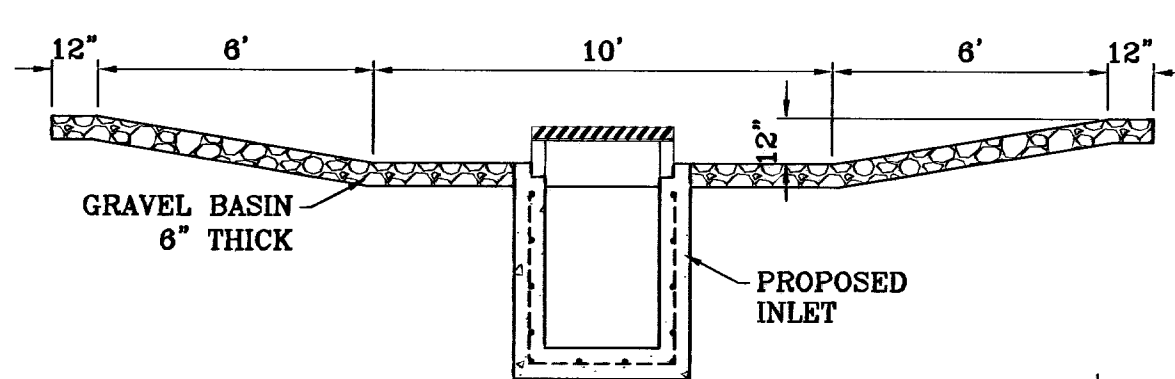
CONDE INC. ENGINEERING / PLANNING SURVEYING / GPS 6080 SURETY DR. STE 100 EL PASO, TEXAS 79960 PHONE: (915) 592-0283 FAX: (915) 592-0286

CONDE INC. REGISTRATION NO. 581

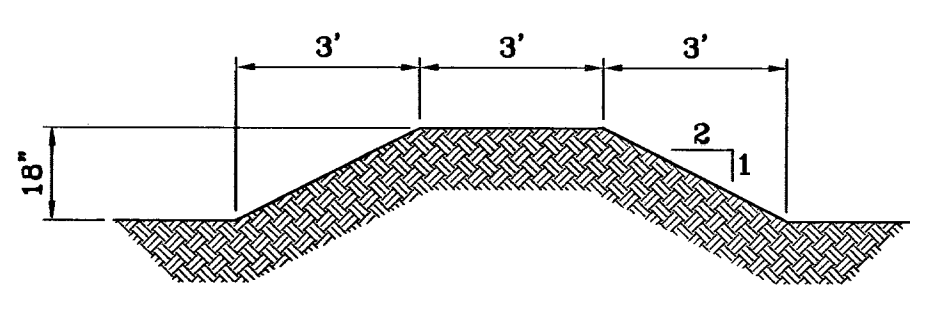
SHEET TITLE: DRAINAGE PLAN



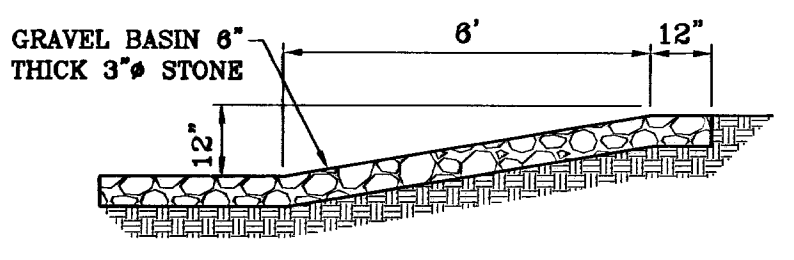
TYPICAL SILT FENCE
SCALE: 1"=3'



TEMPORARY STRUCTURE
DESILTING BASIN
SCALE: 1"=4'

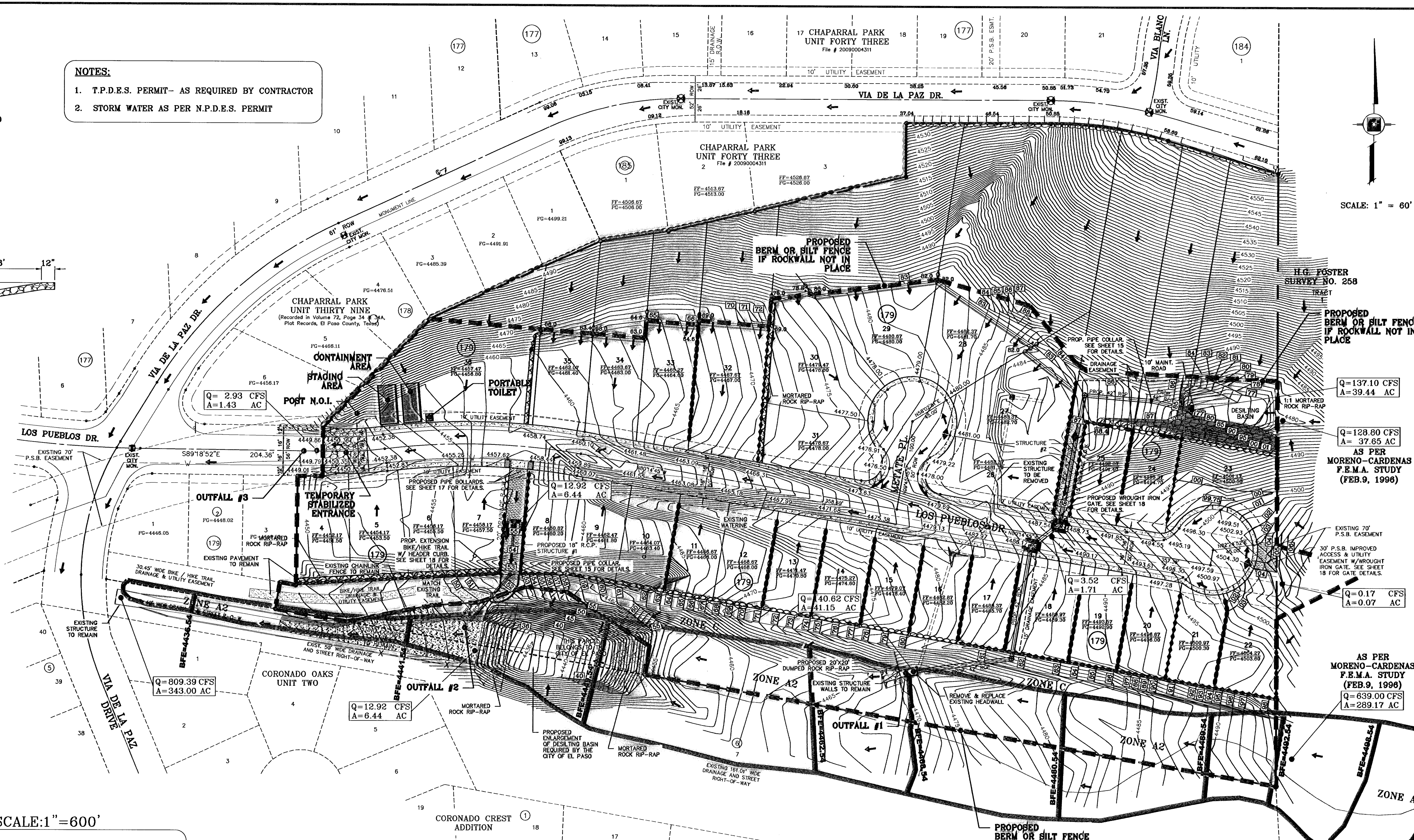


TYPICAL BERM
SCALE: 1"=3'



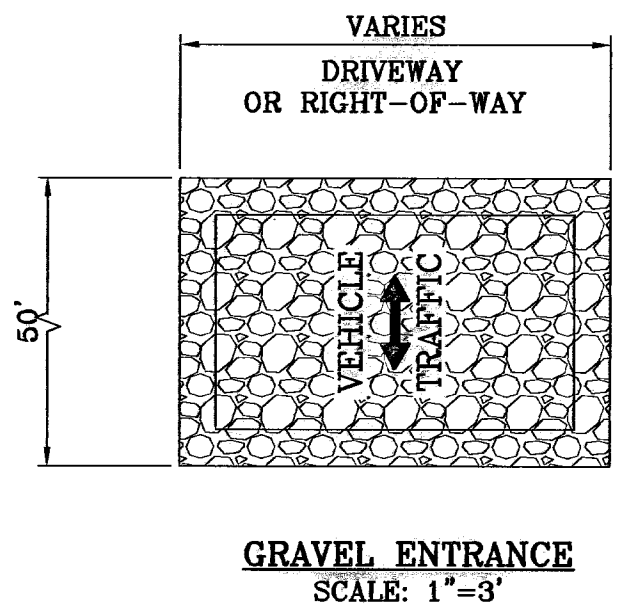
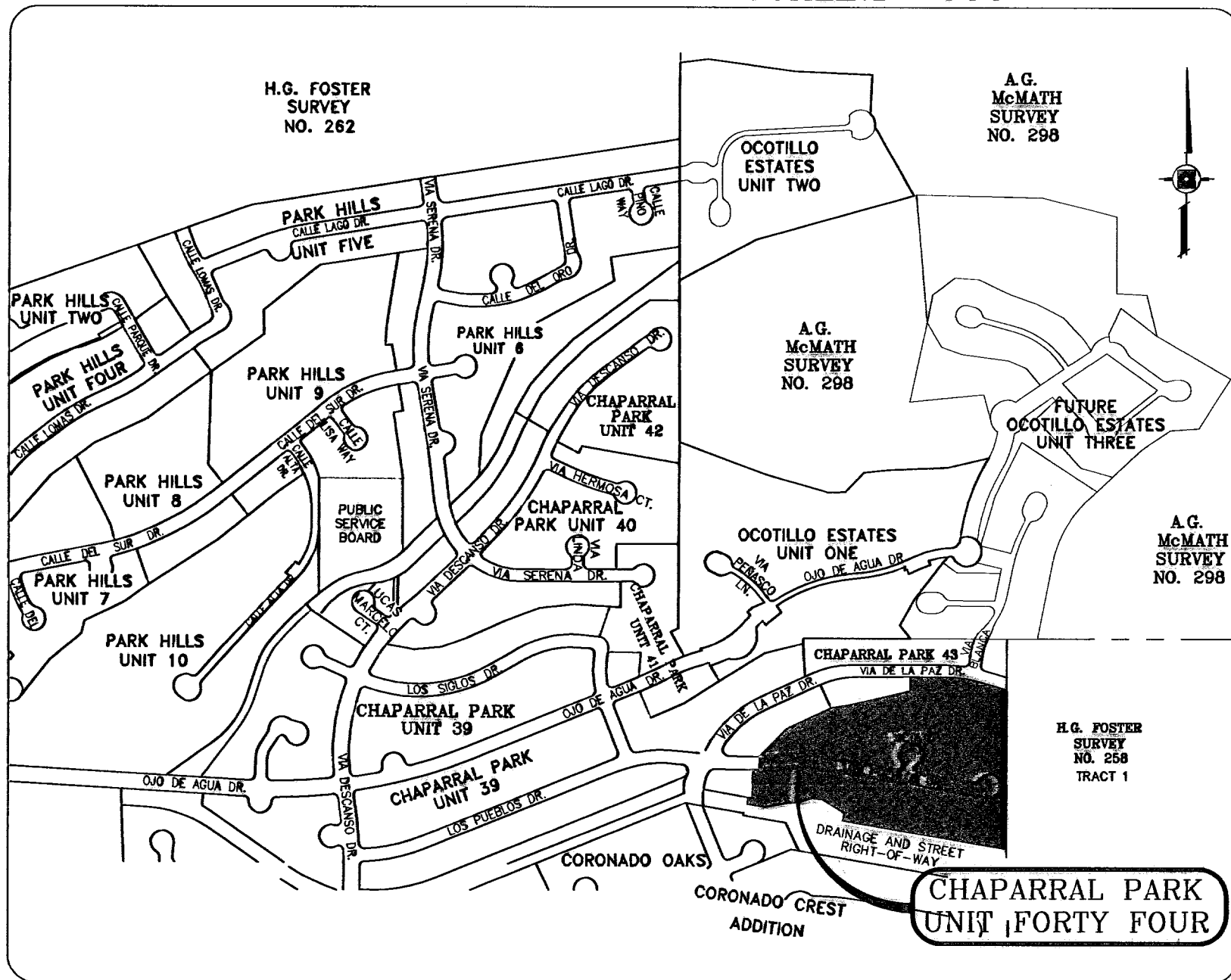
SECTION
EROSION AND SEDIMENT CONTROLS
TEMPORARY STABILIZATION
SCALE: 1"=3'

NOTES:
1. T.P.D.E.S. PERMIT- AS REQUIRED BY CONTRACTOR
2. STORM WATER AS PER N.P.D.E.S. PERMIT



SCALE: 1" = 60'

LOCATION MAP SCALE: 1"=600'



GRAVEL ENTRANCE
SCALE: 1"=3'

STABILIZED ENTRANCE
EROSION CONTROL NOTES

- SILT FENCING OR TEMPORARY BERMS SHALL BE INSTALLED AT TIME OF CONSTRUCTION.
- TEMPORARY SWALES AND DESILTING BASINS WILL BE PLACED WHERE NECESSARY IN ORDER TO CONVEY STORM WATER RUN-OFF.
- A STABILIZED CONSTRUCTION ENTRANCE WILL BE PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS. THE PAVED STREET ADJACENT TO THE SITE ENTRANCE WILL BE SWEEPED WEEKLY TO REMOVE ANY EXCESS MUD, DIRT OR ROCK TRACKED FROM THE SITE.
- THE OWNER SHALL BE RESPONSIBLE FOR INSURING THAT ALL EROSION CONTROL METHODS ARE INSPECTED ON A MONTHLY BASIS OR AFTER EVERY ERODIBLE RAINFALL (1/2" OR MORE). ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF THE EROSION CONTROL SHALL BE MADE AT THE TIME.
- A TEMPORARY BERM SHALL BE PROVIDED AT THE TOP OF THE SLOPE AND LOT LINE AT TIME OF GRADING PRIOR TO ROCKWALL CONSTRUCTION.
- SILT FENCE TO BE INSTALLED AND MAINTAINED ALONG THE PERIMETER OF THE PARK SITE UNTIL ALL ADJUTING RESIDENCES ARE DEVELOPED.

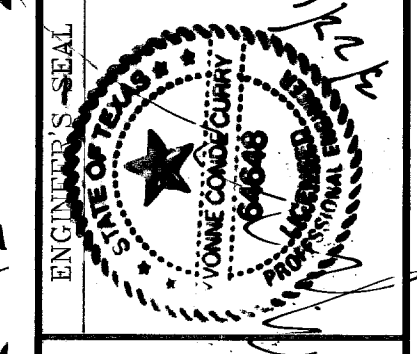
LEGEND

FF=0.67 FC=00.00	PROPOSED FINISH GROUND AND FINISH FLOOR
00.00	PROPOSED SPOT ELEVATION
▲	HIGH POINT
▼	LOW POINT
4000	EXISTING CONTOUR
4000	EXISTING SPOT ELEVATION
○	PROPOSED CONTOUR
—	PROPOSED ROCK WALL
—	PROPOSED RETAINING WALL
—	EXISTING RETAINING WALL
—	PROPOSED SILT FENCE
Q	RUN-OFF QUANTITY (CUBIC Ft/Sec)
A	WATERSHED AREA (ACRES)
→	DRAINAGE FLOW

BENCHMARK
CITY MONUMENT 17.23' EAST OF CENTERLINE INTERSECTION OF VIA DE LA PAZ DR. AND LOS PUEBLOS DR. ELEVATION 4445.71
BY
REVISIONS
DATE
04/28/10
CITY REVISIONS AS PER 04/28/10 COMMENTS E.P.G. REVISE CITY DESILTING BASIN E.P.G.
05/06/10

PROJECT NAME
CHAPARRAL PARK UNIT FORTY FOUR
BEING A PORTION OF TRACT 1B, H. G. FOSTER, SURVEY NO. 282, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 13.176 ACRES

SCALE
HORIZ: 1" = 60'
VERT: 1" = 20'
DATE: DEC. 2009
DESIGN BY: YC
INITIATED BY: RO
CHECKED BY: YC
JOB NO.: 1109-13



CONDE INC.
ENGINEERING / PLANNING SURVEYING / GPS
6080 SURVEY DR. STE 100
EL PASO, TEXAS 79905
PHONE: (915) 592-0283
FAX: (915) 592-0286

SHEET TITLE
STORM WATER POLLUTION PREVENTION PLAN

SHT 8 OF 26

SITE DESCRIPTION: RESIDENTIAL SUBDIVISION
 I. NO ASPHALT BATCH PLANTS FOR THIS SITE.

BEST MANAGEMENT PRACTICES

- STRUCTURAL CONTROL MEASURES SHALL BE MAINTAINED THROUGHOUT THE LIFE OF THE PROJECT IN EFFECTIVE OPERATING CONDITION.
- DOCUMENTATION OF MAINTENANCE ACTIVITIES INCLUDING FREQUENCY, LOT DESIGNATION, INSPECTION OF: STRUCTURAL CONTROLS, MATERIAL STORAGE AREAS, VEHICLES ENTRANCE AND EXITS; ACTIONS TAKEN AND INSPECTORS NAME.
- CONSTRUCTION SITE NOTICE WILL BE MAINTAINED ON SITE.
- COPY OF SWPPP SHALL BE KEPT ON SITE.
- PERMITTEE MUST RETAIN THE SWP3, NOI AND INSPECTION LOG FOR A MINIMUM OF THREE YEARS FROM TERMINATION AND FINAL STABILIZATION OF PROJECT.

I. WASTE MATERIALS
 ALL WASTE MATERIALS, INCLUDING CONSTRUCTION DEBRIS, SHALL BE COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER. NO CONSTRUCTION MATERIAL SHALL BE BURIED ON SITE. THE DUMPSTER SHALL BE EMPTIED AS NECESSARY OR AS REQUIRED BY ORDINANCE 9.04 (SOLID WASTE MANAGEMENT) AND THE TRASH BE HAULED TO A LICENSED LANDFILL.

II. HAZARDOUS WASTE
 AT A MINIMUM, ANY PRODUCTS IN THE FOLLOWING CATEGORIES SHALL BE CONSIDERED HAZARDOUS: PAINT, ACIDS FOR CLEANING MASONRY SURFACES, CLEANING SOLVENTS, ASPHALT PRODUCTS, CHEMICAL ADDITIVES FOR SPILL STABILIZATIONS, CURING COMPOUNDS AND ADDITIVES. IN THE EVENT OF A SPILL WHICH MAY BE HAZARDOUS, THE CONTRACTOR SHALL TAKE IMMEDIATE ACTION AND CONTACT THE FIRE DEPT. AND NMED.

III. SANITARY WASTE
 ALL SANITARY WASTE SHALL BE COLLECTED FROM THE CONSTRUCTION PORTABLE UNITS AS NECESSARY BY A LICENSED SANITARY WASTE MANAGEMENT CONTRACTOR. ALL WASTE MATERIAL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

IV. SPILL PREVENTION
 THE FOLLOWING PRACTICES SHALL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURES OF MATERIALS TO STORM WATER RUNOFF.

A. GOOD HOUSEKEEPING

- STORE ONLY ENOUGH PRODUCTS REQUIRED TO DO THE JOB.
- NEATLY STORE MATERIALS ON-SITE IN AN ORDERLY MANNER.
- KEEP PRODUCTS IN THEIR ORIGINAL CONTAINER.
- DO NOT MIX SUBSTANCES WITH ONE ANOTHER, UNLESS OTHERWISE RECOMMENDED BY THE MANUFACTURER.
- USE ENTIRE CONTENTS OF A PRODUCT BEFORE DISPOSING THE CONTAINER.
- FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL.

B. HAZARDOUS PRODUCTS:
 PRACTICES USED TO REDUCE RISKS:

A. KEEP PRODUCTS IN THEIR ORIGINAL CONTAINER IF AT ALL POSSIBLE
 B. RETAIN ORIGINAL LABELS, PRODUCT INFORMATION AND MATERIAL SAFETY DATA SHEETS (MSDS)
 C. DISPOSE SURPLUS PRODUCT IN ACCORDANCE WITH MANUFACTURER'S OR LOCAL AND STATE RECOMMENDED METHODS

C. PETROLEUM PRODUCTS:
 PRODUCTS SHALL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED. ANY ASPHALT SUBSTANCES USED ON-SITE SHALL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATION.

V. SPILL CONTROL PRACTICES:

- MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP SHALL BE CLEARLY POSTED AND SITE PERSONNEL SHALL BE MADE AWARE OF THE PROCEDURES.
- MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP SHALL BE KEPT IN THE MATERIAL STORAGE AREA ON-SITE.
- ALL SPILLS SHALL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY.
- SPILL AREA SHALL BE WELL VENTILATED AND APPROPRIATE CLOTHING WILL BE WORN.
- ANY SPILL SHALL BE REPORTED TO THE APPROPRIATE GOVERNMENTAL AGENCY.
- MEASURES SHALL BE TAKEN TO PREVENT A SPILL FROM REOCCURRING

VI. MAINTENANCE AND INSPECTION PROCEDURES
 ALL POLLUTION PREVENTION MEASURES SHALL BE INSPECTED AT LEAST ONCE EVERY 14 DAYS AND FOLLOWING A STORM EVENT OF 0.5 INCHES OR MORE. BEST MANAGEMENT PRACTICES AND POLLUTION CONTROL PROCEDURES SHALL BE INSPECTED FOR ADEQUACY. A RECORD OF THE RESULTS OF THE INSPECTIONS OF THE SITE SHALL BE KEPT ON SITE.

VII. REMARKS
 DISPOSAL AREAS, STOCKPILES, AND HAUL ROADS SHALL BE CONSTRUCTED IN A MANNER THAT WILL MINIMIZE AND CONTROL THE AMOUNT OF SEDIMENT THAT MAY ENTER RECEIVING WATERS. CONSTRUCTION STAGING AREAS AND VEHICLE MAINTENANCE AREAS SHALL BE CONSTRUCTED BY THE CONTRACTOR IN A MANNER TO MINIMIZE THE RUNOFF OF POLLUTANTS.

CONSTRUCTION ACTIVITIES LOG		
ACTIVITIES	DATE	SIGNATURE

INSPECTION AND MAINTENANCE REPORT

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWN VIOLATIONS.

SIGNED: _____ DATE: _____

SWPPP COORDINATOR NAME: PEDRO CORTEZ
 PHONE NUMBER: (915)-494-0887

LOG OF ACTIVITIES AVAILABLE: SWPPP COORDINATOR
 INSPECTION LOG AVAILABLE: SWPPP COORDINATOR
 SCHEDULE OF ACTIVITIES AVAILABLE: SWPPP COORDINATOR

SITE DESCRIPTION: PROJECT DESCRIPTION
 THE EXISTING SITE IS UNDEVELOPED DESERT. THERE ARE NO SURFACE WATERS ON THE SITE ITSELF OR ADJACENT TO THE SITE. THE SITE DISTURBANCE AREA IS 9.97 ACRES.

THE SITE MAP SHOWS THE PROPERTY BOUNDARIES WITH THE PROPOSED LOCATION OF THE ROADWAYS, LOTS, STORM INLETS. THIS SITE WILL BE GRADED, ROADWAYS PAVED AND DRAINAGE STRUCTURES CONSTRUCTED. THE GRADED LOTS WILL DRAIN TO THE GRADED STREETS AND THEN TO THE STORM INLETS WHICH WILL CONDUCT THE STORM RUNOFF VIA UNDERGROUND STRUCTURES TO A CONCRETE CHANNEL.

INTERIM STABILIZATION MEASURES ARE AS FOLLOWS: PERIMETER TEMPORARY EARTHEN BERMS, TEMPORARY STABILIZED CONSTRUCTION SITE EXIT, TEMPORARY DESILTING BASINS

FINAL STABILIZATION WILL BE PERFORMED BY THE HOME BUILDERS WHICH WILL CONSTRUCT A SINGLE BUILDING ON EACH LOT AND PLACE LANDSCAPING ON EXPOSED SURFACES.

THE RECEIVING WATERS ARE OFFSITE CONCRETE LINED CHANNEL INTO THORN DAM
 STORM WATER SAMPLING DATA IS NOT AVAILABLE FOR THIS SITE.
 NO CONCRETE OR BATCH PLANTS ON THIS SITE.
 NO APPARENT ENDANGERED SPECIES ON SITE. NO HISTORIC PROPERTIES ON SITE.

STORM WATER CONTAMINANTS ON SITE
 THE FOLLOWING ARE THE POTENTIAL STORM WATER POLLUTANTS (CHECKED ITEMS ONLY):

CLEANING SOLVENTS	_____	EQUIP. CLEANING WASTEWATER	_____
ASPHALT	<input checked="" type="checkbox"/>	HYDRAULIC OIL/FLUIDS	<input checked="" type="checkbox"/>
CONCRETE	<input checked="" type="checkbox"/>	GASOLINE	<input checked="" type="checkbox"/>
PAINTS	_____	DIESEL FUEL	<input checked="" type="checkbox"/>
CURING COMPOUNDS	<input checked="" type="checkbox"/>	ANTIFREEZE/COOLANT	<input checked="" type="checkbox"/>

THE CONTAINMENT AREA FOR THESE ITEMS IS LOCATED: AS SHOWN ON PLAN
 THE STAGING AREA FOR THIS SITE IS LOCATED: AS SHOWN ON PLAN
 THE PORTABLE TOILET FOR THIS SITE IS LOCATED: AS SHOWN ON PLAN

NON STORM WATER DISCHARGES ON SITE (CHECKED ITEMS ONLY):

FIRE HYDRANT FLUSHING	_____	WATER LINE FLUSHING WATER	<input checked="" type="checkbox"/>
VEHICLE WASH WATER	_____	LANDSCAPE IRRIGATION	<input checked="" type="checkbox"/>
DUST CONTROL WATER	_____	PAVEMENT WASH WATERS	_____

ALL STAGING AREAS, PORTABLE TOILETS AND POLLUTANT AREAS WILL INCORPORATE SECONDARY CONTAINMENT MEASURES SUCH AS BERMS OR SEDIMENT TRAPS/BARRIERS.

**STORM WATER POLLUTION PREVENTION PLAN
 GENERAL CONTRACTOR CERTIFICATION**

I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) GENERAL PERMIT THAT AUTHORIZES STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS CERTIFICATION.

 ROBERT F. FOSTER INC.
 COMPANY:
 SIGNED: 6080 SURETY DR. SUITE 300
 ADDRESS:
 TITLE: ROBERT F. FOSTER INC. (915)-595-2775
 PRESIDENT TELEPHONE:
MARCH 18, 2010
 DATE:

OWNER CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

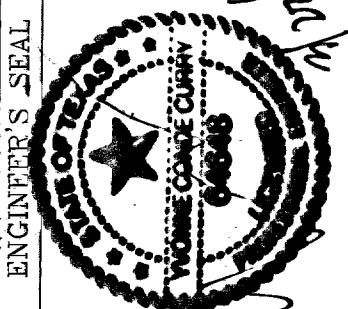
OWNER: (SIGNED) _____ DATE: MARCH 18, 2010
 BY: _____
EP PARK HILLS II, LTD. BY: EP PARK HILLS, INC.
 OWNER: (NAME)
(915)-592-0290 DOUGLAS A. SCHWARTZ
 PHONE NUMBER: PRESIDENT

NARRATIVE-SEQUENCE OF CONSTRUCTION (STORM WATER MANAGEMENT) ACTIVITIES:

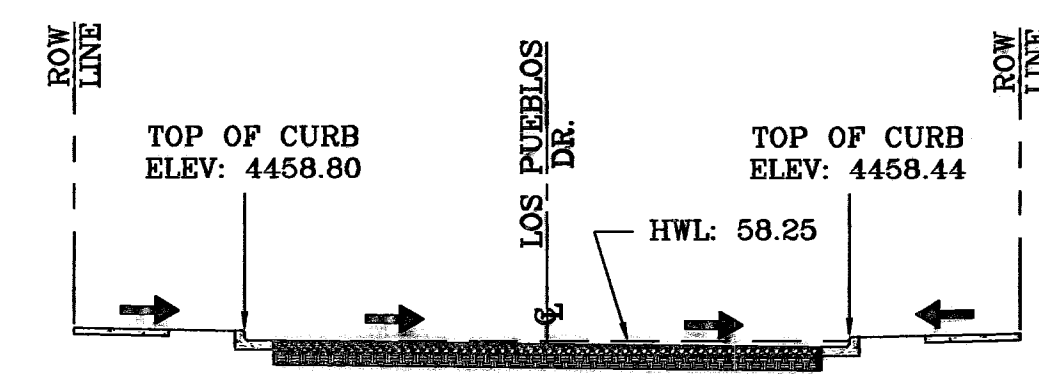
ESTIMATED BEGINNING CONSTRUCTION DATE: MARCH 2010

- BEGIN CONSTRUCTION/MOBILIZATION (6 DAYS)
- INSTALL INITIAL STORMWATER POLLUTION PREVENTIONS (SWPP) MEASURES AS INDICATED ON SWPP PLAN 14 DAYS
- CLEAR AND GRUB 14 DAYS
- SITE GRADING 80 DAYS
- PERFORM PERIODIC INSPECTIONS OF THE SWPP STRUCTURES, PERFORM MAINTENANCE AND REPLACEMENTS AS NEEDED (DURATION OF CONSTRUCTION).
- EXCAVATION FOR SITE UTILITIES AND STORM SEWER 60 DAYS
- CONSTRUCTION OF SITE IMPROVEMENTS AND STORM SEWER 60 DAYS
- END CONSTRUCTION - FINAL STABILIZATION, DEMOBILIZATION, REMOVAL OF SWPPP CONTROLS, AND SUBMIT NOTICE OF TERMINATION.

ESTIMATED CONSTRUCTION COMPLETION DATE: MARCH 2011

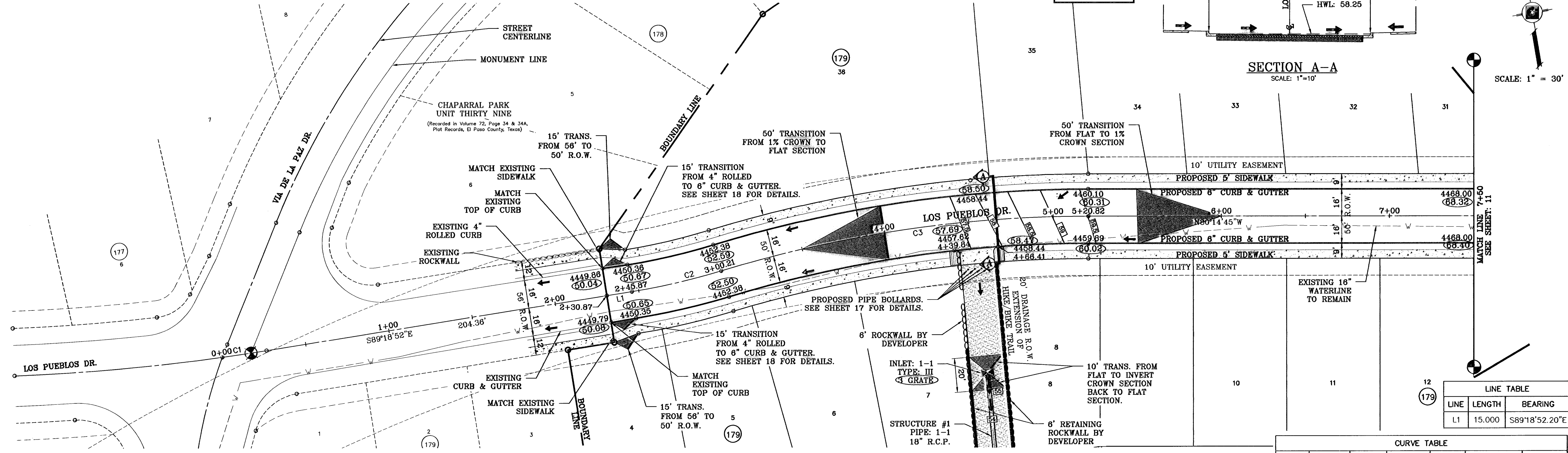
BENCHMARK	CITY MONUMENT 17.23' EAST OF CENTERLINE-INTERSECTION OF VIA DE LA PAZ DR. AND LOS PUERTOS DR. ELEVATION 4443.71
PROJECT NAME	CHAPARRAL PARK UNIT FORTY FOUR
DATE	BEING A PORTION OF TRACT 1B, H. G. FOSTER, SURVEY NO. 288, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 13.176 ACRES
REVISIONS	DATE BY
SCALE	HORIZ: <u>---</u> VERT: <u>---</u> DATE: <u>DEC. 2009</u> DESIGN BY: <u>YC</u> INITIATED BY: <u>BO</u> CHECKED BY: <u>YC</u> JOB NO.: <u>1109-13</u>
ENGINEER'S SEAL	
CONDE INC.	ENGINEERING / PLANNING SURVEYING / GPS 6080 SURETY DR. SITE 100 EL PASO, TEXAS 79905 PHONE: (915) 592-0283 FAX (915) 592-0286
SHEET TITLE	STORMWATER POLLUTION PREVENTION PLAN NOTES
SHEET NO.	SHT 9 OF 26

$Q_c = 12.69$ cfs
 $Q_{c1} = 49.85$ cfs
 $V = 3.01$ fps
 $D = 0.31$ ft
 $S = 1.13\%$



SECTION A-A
SCALE: 1"=10'

SCALE: 1" = 30'



SEE SHEET 13 FOR DRAINAGE STRUCTURE #1

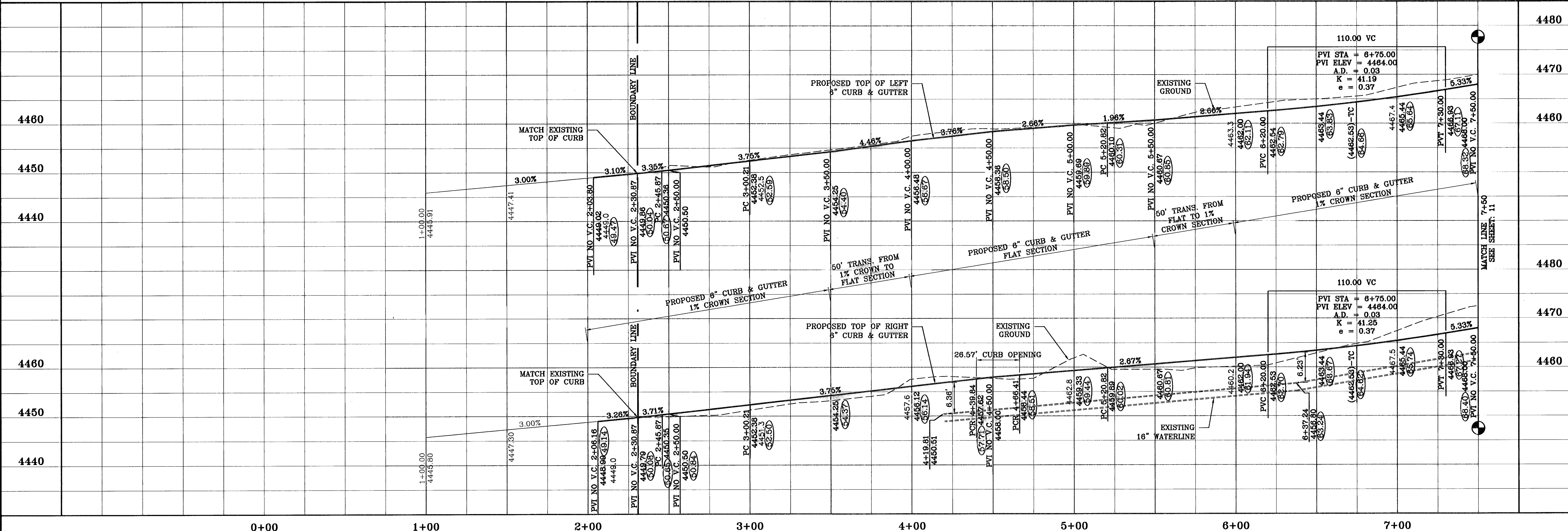
○ DENOTES AS BUILT CONDITION ONLY

LINE TABLE

LINE	LENGTH	BEARING
L1	15.000	S89°18'52.20"E

CURVE TABLE

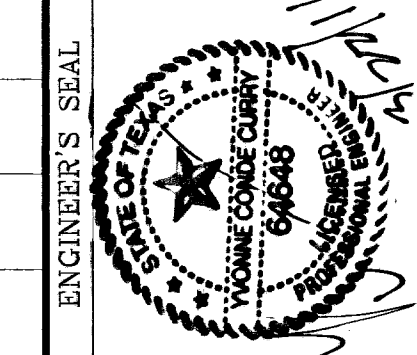
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C1	1250.24'	17.23'	8.62'	17.23'	S88°29'41"E	0°47'23"
C2	400.00'	54.35'	27.22'	54.31'	N86°47'35"E	7°47'05"
C3	750.00'	220.61'	111.11'	219.81'	N88°40'21"W	16°51'12"



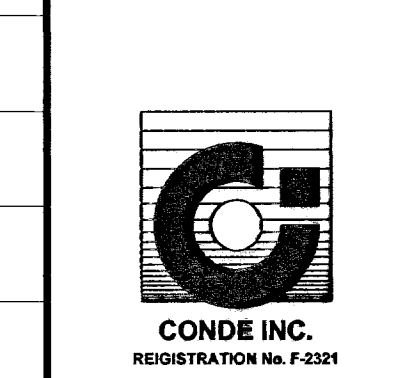
BENCHMARK
 CITY MONUMENT 17.23' EAST OF CENTERLINE INTERSECTION
 OF VIA DE LA PAZ DR. AND LOS PUEBLOS DR.
 ELEVATION 4445.71
 REVISIONS
 DATE 04/13/10
 CITY REDLINES AS PER 04/06/10 COMMENTS E.F.G.
 AS BUILT
 BY
 11/17/10
 F.R.

PROJECT NAME
**CHAPARRAL PARK
 UNIT FORTY FOUR**
 BEING A PORTION OF TRACT 1B, H. G.
 FOSTER, SURVEY NO. 258, CITY OF EL
 PASO, EL PASO COUNTY, TEXAS
 CONTAINING: 13.175 ACRES

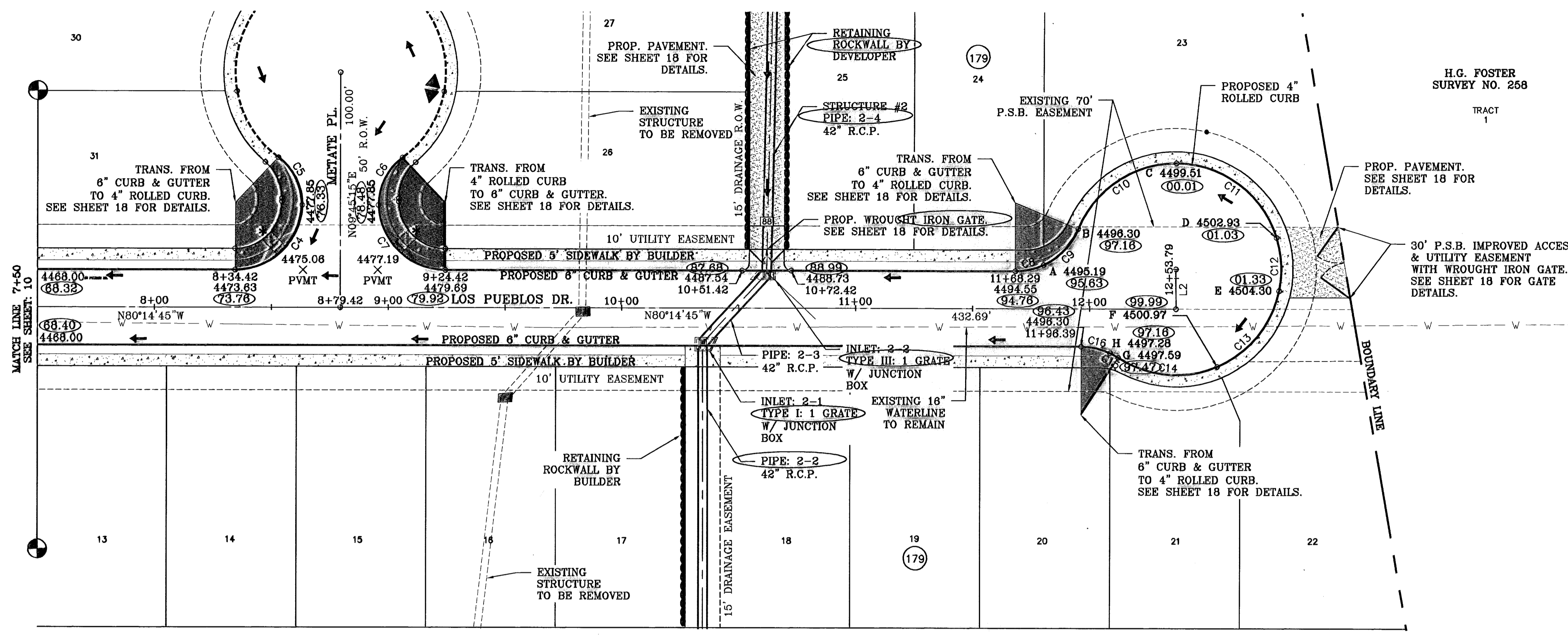
SCALE: 1" = 30'
 HORIZ: 1" = 30'
 VERT: 1" = 10'
 DATE: DEC. 2009
 DESIGN BY: YC
 INITIATED BY: RC
 CHECKED BY: YC
 JOB NO.: 1109-13



CONDE INC.
 ENGINEERING / PLANNING
 SURVEYING / GPS
 6040 STREET DE STE 100
 EL PASO, TEXAS 79905
 PHONE: (915) 592-0286
 FAX: (915) 592-0286



SHEET TITLE
**STREET
 PLAN-PROFILE
 LOS
 PUEBLOS
 DR. PLAN &
 PROFILE**
 STA. 2+30.87 TO
 STA. 7+50



SCALE: 1" = 30'

LINE TABLE

LINE	LENGTH	BEARING
L2	17.000	S9°44'58.13"W

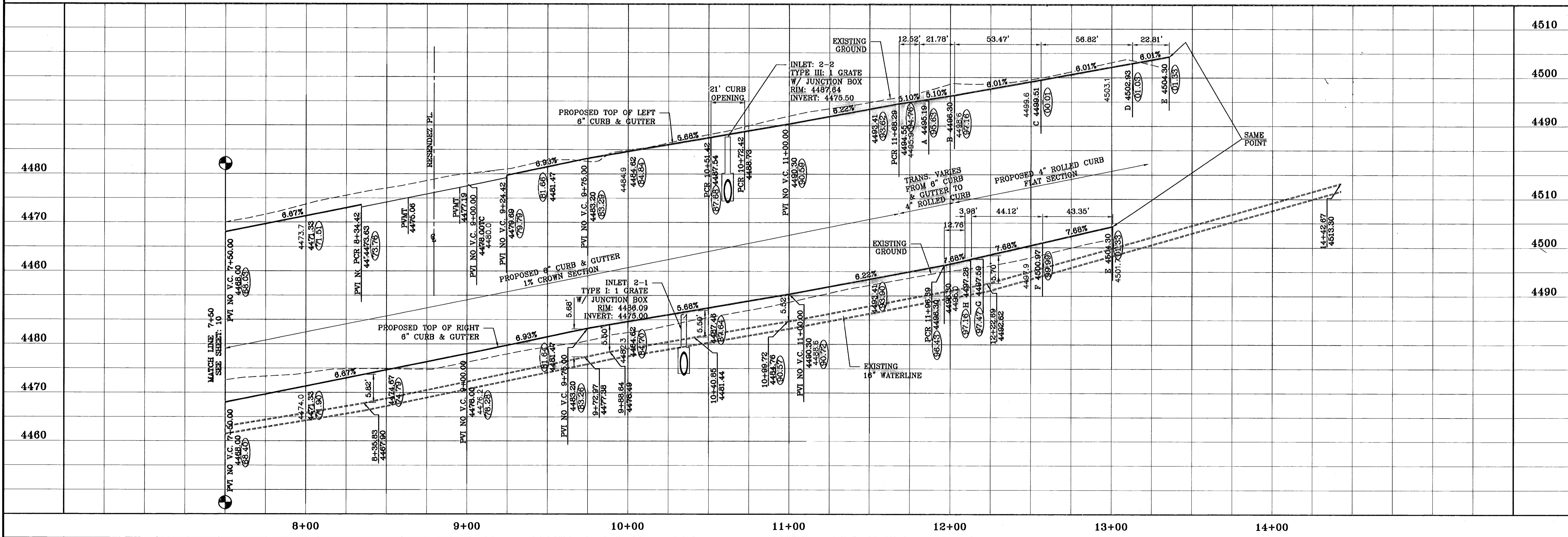
CURVE TABLE

CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C4	28.60'	43.93'	27.62'	39.74'	N55°59'50"E	88°00'02"
C5	25.00'	23.49'	12.70'	22.64'	N17°10'03"W	53°50'37"
C6	25.00'	23.49'	12.70'	22.64'	S36°40'33"W	53°50'37"
C7	28.60'	43.93'	27.62'	39.74'	S36°29'20"E	88°00'02"
C8	29.00'	12.52'	6.36'	12.43'	N87°22'58"E	24°44'34"
C9	29.00'	21.78'	11.43'	21.27'	N53°29'58"E	43°01'26"
C10	45.00'	53.47'	30.40'	50.38'	S66°01'45"W	68°05'01"
C11	45.00'	56.82'	32.90'	53.12'	N43°45'26"W	72°20'37"
C12	45.00'	22.81'	11.66'	22.57'	N6°56'15"E	29°02'45"
C13	45.00'	43.35'	23.53'	41.70'	N49°03'37"E	55°12'00"
C14	45.00'	44.12'	24.02'	42.38'	S75°14'56"E	56°10'53"
C15	29.00'	3.98'	2.00'	3.98'	N51°05'39"W	7°52'19"
C16	29.00'	12.76'	6.49'	12.66'	N67°38'17"W	25°12'56"

* WHEELCHAIR RAMP

SEE SHEETS 13 & 14 FOR DRAINAGE STRUCTURE #2

○ DENOTES AS BUILT CONDITION ONLY



BENCHMARK
CITY MONUMENT 17.23' EAST OF CENTERLINE INTERSECTION OF VIA DE LA PAZ DR. AND LOS PUEBLOS DR.
ELEVATION 4446.71 CITY DATUM

DATE REVISIONS BY
03/30/10 ADDITIONAL TOP OF PIPE ELEVATIONS O.M.
04/05/10 RAISE T.O.C. ELEVATIONS FROM STA. 9+00 TO END E.F.C. E.F.C.
04/13/10 CITY REDLINES AS PER 04/06/10 COMMENTS E.F.C.
11/17/10 AS BUILT AS BUILT

PROJECT NAME
CHAPARRAL PARK UNIT FORTY FOUR

BRING A PORTION OF TRACT 1B, H. G. FOSTER, SURVEY NO. 258, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 13.176 ACRES

SCALE
HORIZ: 1" = 30'
VERT: 1" = 10'

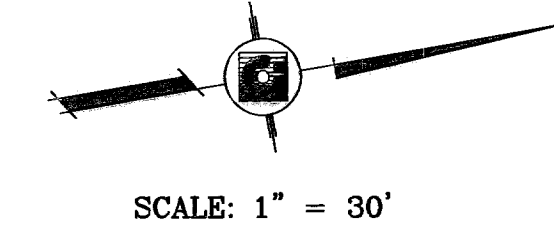
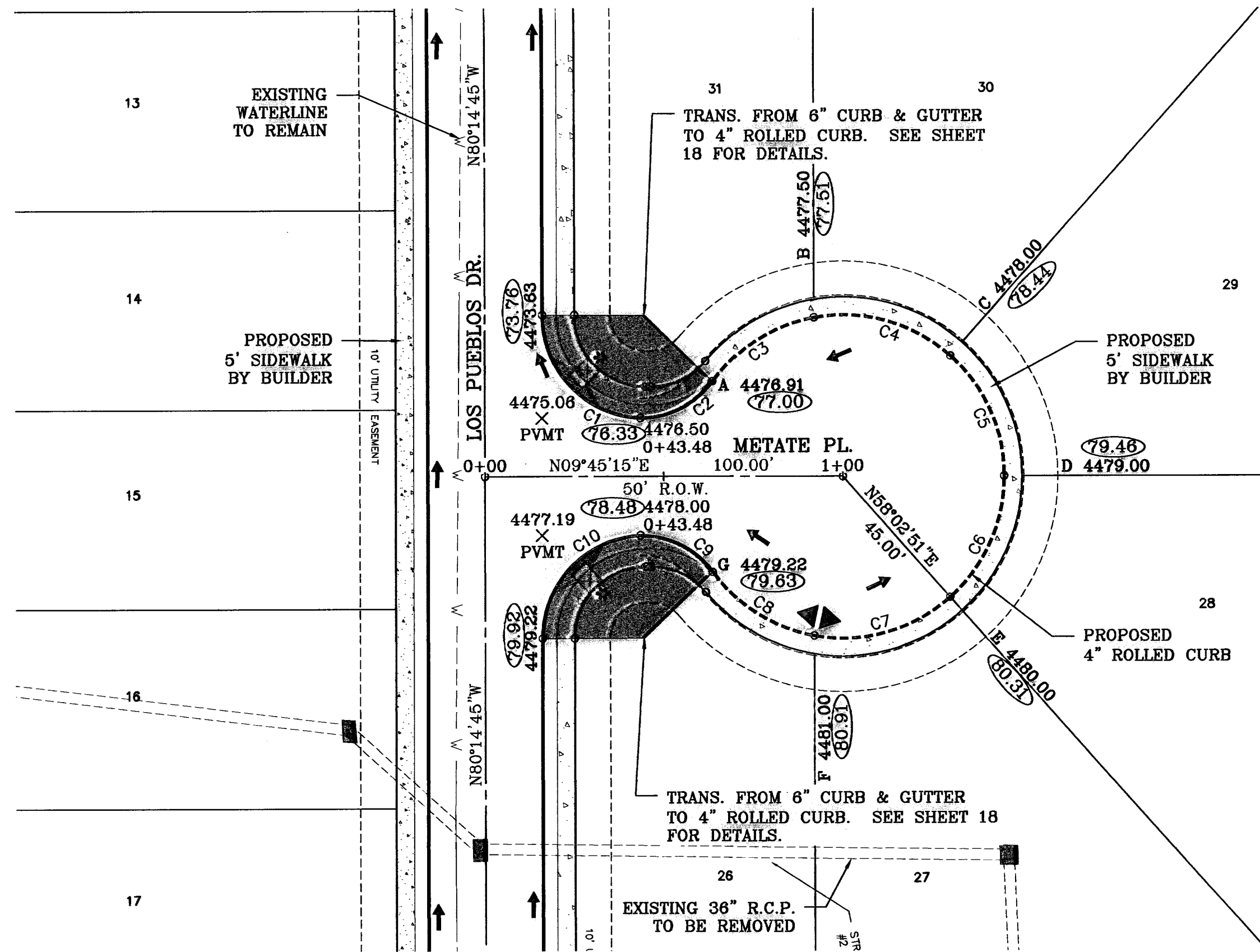
DATE: DEC. 2009
DESIGN BY: YC
INITIATED BY: RO
CHECKED BY: YC
JOB NO.: 1109-13

ENGINEER'S SEAL

CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
6080 SURETY DR. STE 100
EL PASO, TEXAS 79905
PHONE: (915) 592-0283
FAX: (915) 592-0286

SHEET TITLE
STREET
PLAN-PROFILE
LOS PUEBLOS DR. PLAN & PROFILE
STA. 2+30.87 TO STA. 7+50

SHT 11 OF 26

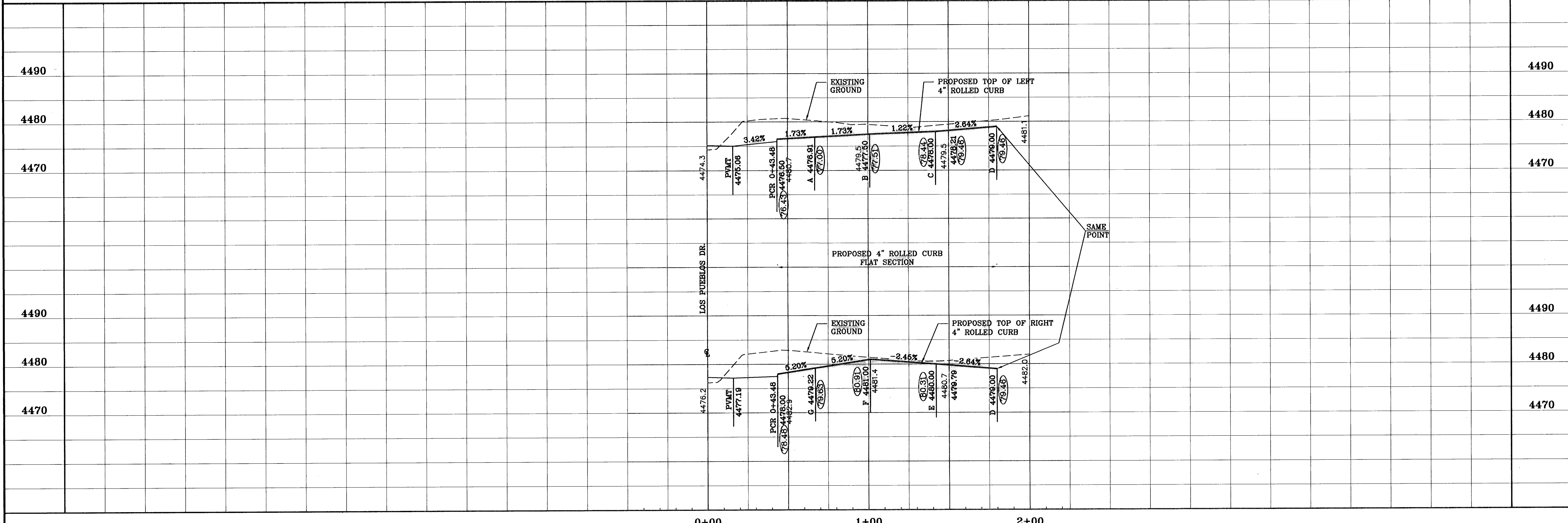


SCALE: 1" = 30'

○ DENOTES AS BUILT CONDITION ONLY

* WHEELCHAIR RAMP

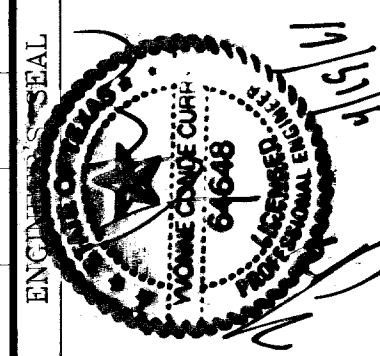
CURVE TABLE						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C1	28.60'	43.93'	27.62'	39.74'	N55°59'50"E	88°00'02"
C2	25.00'	23.49'	12.70'	22.64'	N17°10'03"W	53°50'37"
C3	45.00'	34.20'	17.97'	33.38'	S22°18'59"E	43°32'45"
C4	45.00'	40.85'	21.95'	39.46'	S25°27'36"W	52°00'25"
C5	45.00'	37.93'	20.17'	36.81'	S75°36'32"W	48°17'27"
C6	45.00'	37.93'	20.17'	36.82'	N56°05'57"W	48°17'36"
C7	45.00'	40.84'	21.95'	39.46'	N5°57'01"W	52°00'15"
C8	45.00'	34.20'	17.97'	33.38'	N41°49'29"E	43°32'45"
C9	25.00'	23.49'	12.70'	22.64'	S36°40'33"W	53°50'37"
C10	28.60'	43.93'	27.62'	39.74'	S36°29'20"E	88°00'02"



BENCHMARK
CITY MONUMENT 17.23' EAST OF CENTERLINE INTERSECTION OF VIA DE LA PAZ DR. AND LOS PUEBLOS DR. ELEVATION 4443.71
DATE 11/23/10
REVISIONS AS BUILT
BY F.R.

PROJECT NAME
CHAPARRAL PARK UNIT FORTY FOUR
BEING A PORTION OF TRACT 1B, H. G. FOSTER, SURVEY NO. 286, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING: 13.176 ACRES

SCALE
HORIZ: 1" = 30'
VERT: 1" = 10'
DATE: DEC. 2009
DESIGN BY: YC
INITIATED BY: RO
CHECKED BY: YC
JOB NO.: 1109-13



CONDE INC.
ENGINEERING / PLANNING
SURVEYING / GPS
6040 STREET DE STE 100
EL PASO, TEXAS 79905
PHONE: (915) 592-0286
FAX: (915) 592-0286



SHEET TITLE
STREET PLAN-PROFILE METATE PL. PLAN & PROFILE
STA. 0+00 TO STA. 1+00