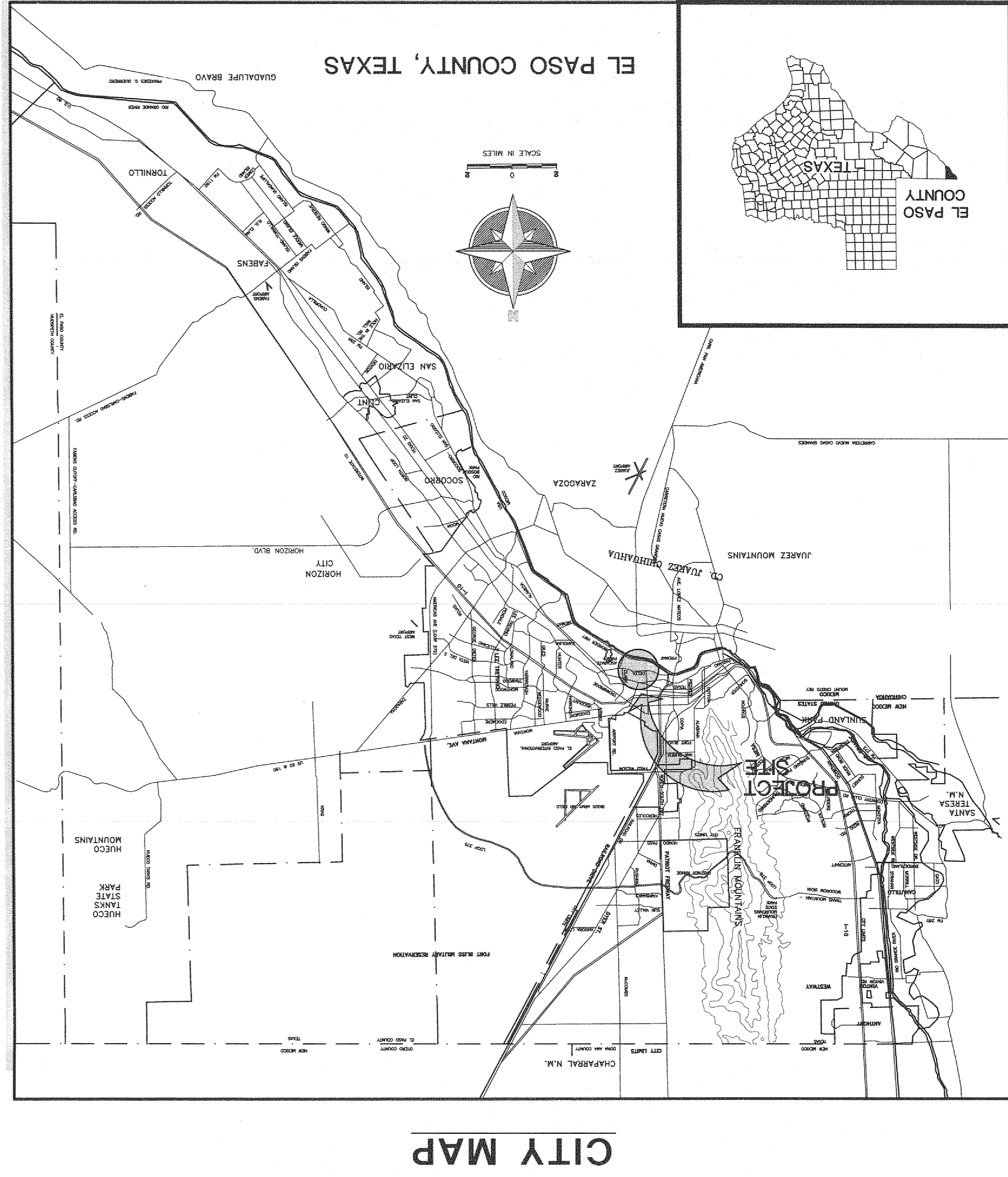
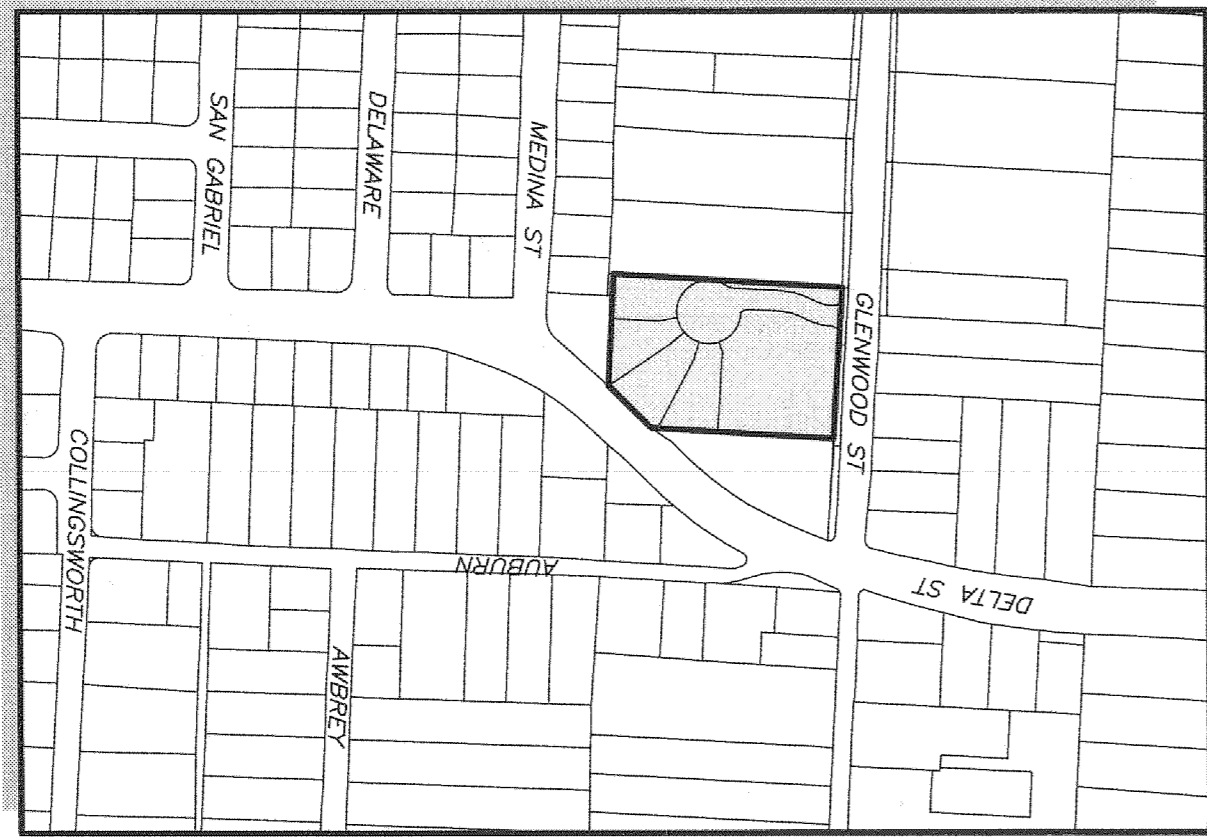


# DELTA DIVINE SUBDIVISION IMPROVEMENT PLANS

A PORTION OF LOTS 20 AND 21, BLOCK 6,  
ALAMEDA ACRES,  
CITY OF EL PASO, EL PASO COUNTY, TEXAS  
CONTAINING: ±1.8963-ACRES



CITY MAP



LOCATION MAP  
SCALE: 1" = 300'

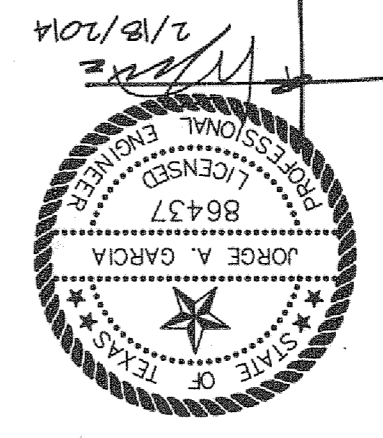
INDEX OF DRAWINGS	
1	SUBDIVISION PLAT PLAN
2	C-2 SITE DEMOLITION PLAN
3	C-3 GRADING AND DRAINAGE PLAN
4	C-4 DIVINE ST. PLAN AND PROFILE
5	C-5 SITE DETAILS
6	C-6 STREET LIGHTING PLAN
7	C-7 STORM WATER POLLUTION PREVENTION PLAN
8	U-1 WATER AND SANITARY SEWER SYSTEM
9	U-2 STORM SEWER DETAILS
10	U-3 STORM SEWER DETAILS

Reviewed for Conformance for Condition Related to:  
 Stormwater Management  
 Grading & Drainage  
 Erosion Control  
 Street Lighting  
 Sanitary Sewer  
 Water Mains  
 Stormwater Mains  
 On Site Parking Layout  
 On Site Parking of Access Drives  
 Other  
 City of El Paso  
 City Department  
 Date: 2/25/14

LAND SURVEYOR  
**PASO DEL NORTE SURVEYING INC.**  
 PH. 915-241-1841  
 FAX 915-855-8925  
 © COPYRIGHT  
 13998 BRADLEY ROAD, EL PASO, TEXAS 79938

OWNER:  
 EL DIVINO SALVADORE PRESBYTERIAN  
 CHURCH, INC.  
 314 GLENWOOD ST.  
 EL PASO, TEXAS, 79905

CIVIL ENGINEER  
**SITEMORK**  
 ENGINEERING, L.L.C.  
 TX REG. # F-5607  
 PREPARED BY:  
 444 EXECUTIVE CENTER, SUITE 134 - EL PASO, TX - 79902  
 PHONE (915) 351-8033 - FAX (915) 351-8055



# DELTA DIVINE SUBDIVISION

A PORTION OF LOTS 20 AND 21, BLOCK 6,  
ALAMEDA ACRES,  
CITY OF EL PASO, EL PASO COUNTY, TEXAS  
CONTAINING: 82,603 SQ. FT.  
OR 1.8963 ACRES

## DEDICATION

EL DIVINO SALVADORE PRESBYTERIAN CHURCH, INC., property owner of this land, hereby present this plat and dedicate to the use of the public the street and utility easements, as may be shown hereon, laid down and designated, including any easements, conditions and covenants for underground utilities, and the right to ingress and egress for service and construction and the right to trim interfering trees and shrubs.

Witness my signature this \_\_\_\_\_ day of \_\_\_\_\_, 2013.

CONSUÉLO AYALA/Clerk of Session

ATTEST: NOT REQUIRED

## ACKNOWLEDGEMENT

STATE OF TEXAS

COUNTY OF EL PASO

Before me, the undersigned authority, on this day personally appeared CONSUELO AYALA, and acknowledged to me that he executed the same for the purposes and considerations herein expressed.

Given under my hand and seal of office this \_\_\_\_\_ day of \_\_\_\_\_, 2013.

Notary Public in and for El Paso County  
My Commission Expires \_\_\_\_\_

## SUBDIVISION APPROVAL STATEMENT

This subdivision is hereby approved in accordance with Chapter 212 of the Texas Local Government Code and Title 19 of the El Paso Municipal Code as meeting all requirements for a review of a minor plat.

Government Code of Texas this \_\_\_\_\_ day of \_\_\_\_\_, 2013.

City Plan Commission  
Chair Person \_\_\_\_\_

Approved for filing this \_\_\_\_\_ day of \_\_\_\_\_, 2013.

City Development Director \_\_\_\_\_

FILING

Filed and recorded in the office of the County Clerk of El Paso County, Texas, this \_\_\_\_\_ day of \_\_\_\_\_, 2013, A.D.

County Clerk \_\_\_\_\_  
By Deputy \_\_\_\_\_

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.

John A. Eby, R.P.L.S.  
Registered Professional Land Surveyor  
Texas License No. 5372

Subdivision Improvements Plans prepared by and under the supervision of  
Jorge A. Garcia, Registered Professional Engineer No. 86437

Jorge A. Garcia, P.E. No. 86437

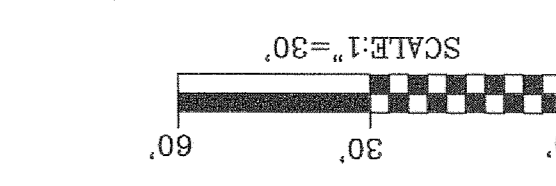
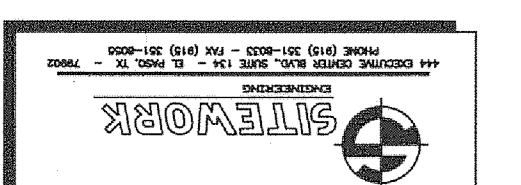
CITY DEVELOPMENT DEPARTMENT

REVIEWED



CURVE	LENGTH	RADIUS	BEARING	CHORD
C1	225.95	50.00	N89°10'33"W	27.46
C2	30.04	20.00	S84°29'11"E	7.30
C3	46.52	128.00	N71°42'37"E	44.48
C4	32.92	74.00	S72°10'36"E	32.28
C5	13.89	10.00	N50°49'07"E	12.65
C6	49.32	50.00	S63°11'12"E	47.35
C7	31.34	50.00	S54°44'17"E	30.83
C8	28.42	50.00	S24°42'17"E	28.04
C9	25.93	50.00	N28°27'25"W	25.64
C10	80.53	50.00	N48°10'51"E	78.65
C11	58.32	128.00	S72°10'36"E	54.92
C12	22.72	74.00	N73°34'10"W	22.63
C13	0.86	15.00	S32°50'54"W	0.73
C14	22.29	20.00	S32°50'54"W	21.12
C15	43.94	100.00	S77°21'42"E	43.59
C16	37.09	100.00	N14°45'17"E	36.87

PASO DEL NORTE SURVEYING INC.,  
13998 BRADLEY ROAD, EL PASO, TEXAS 79938  
PH: 915-241-1841  
FAX: 915-855-8925  
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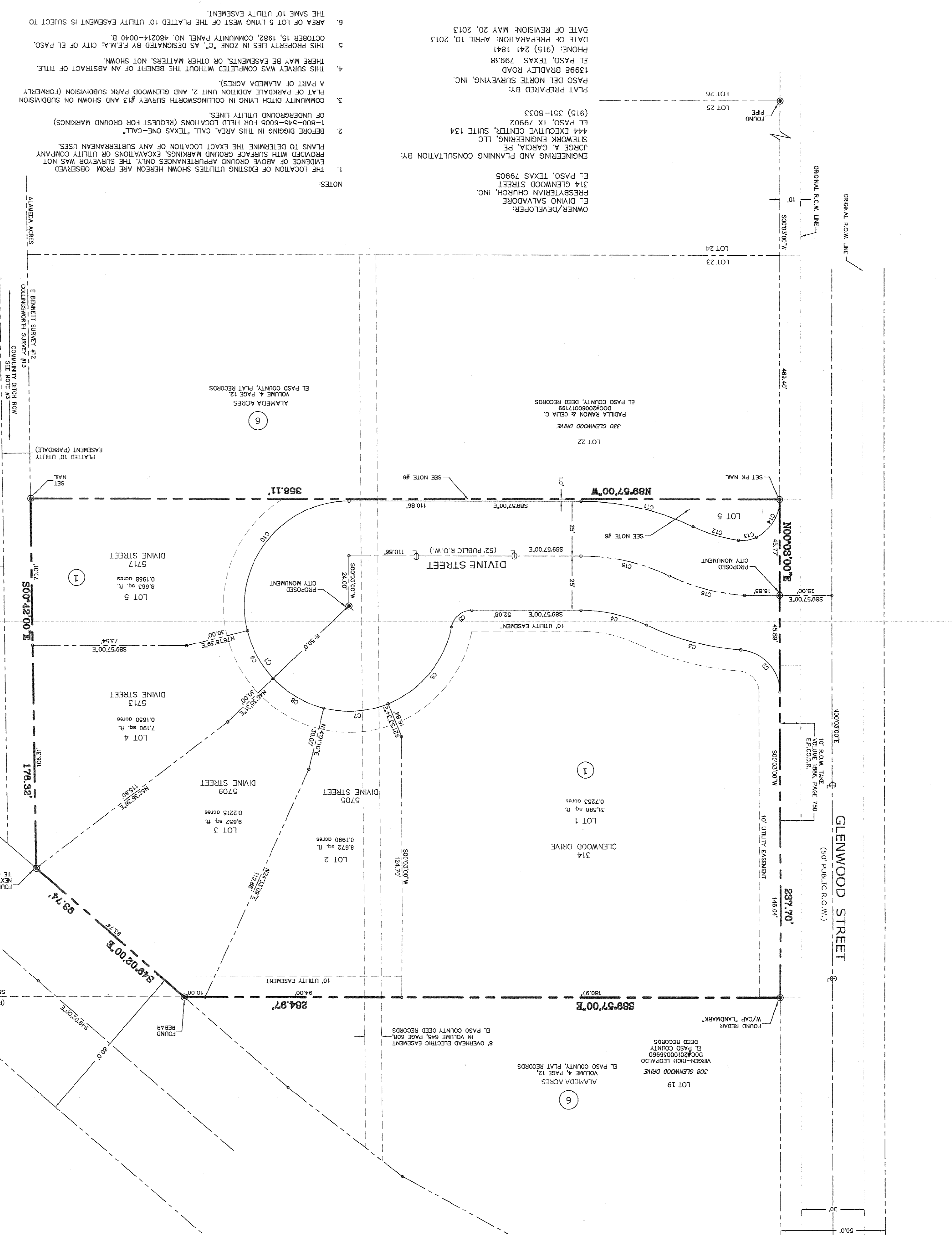
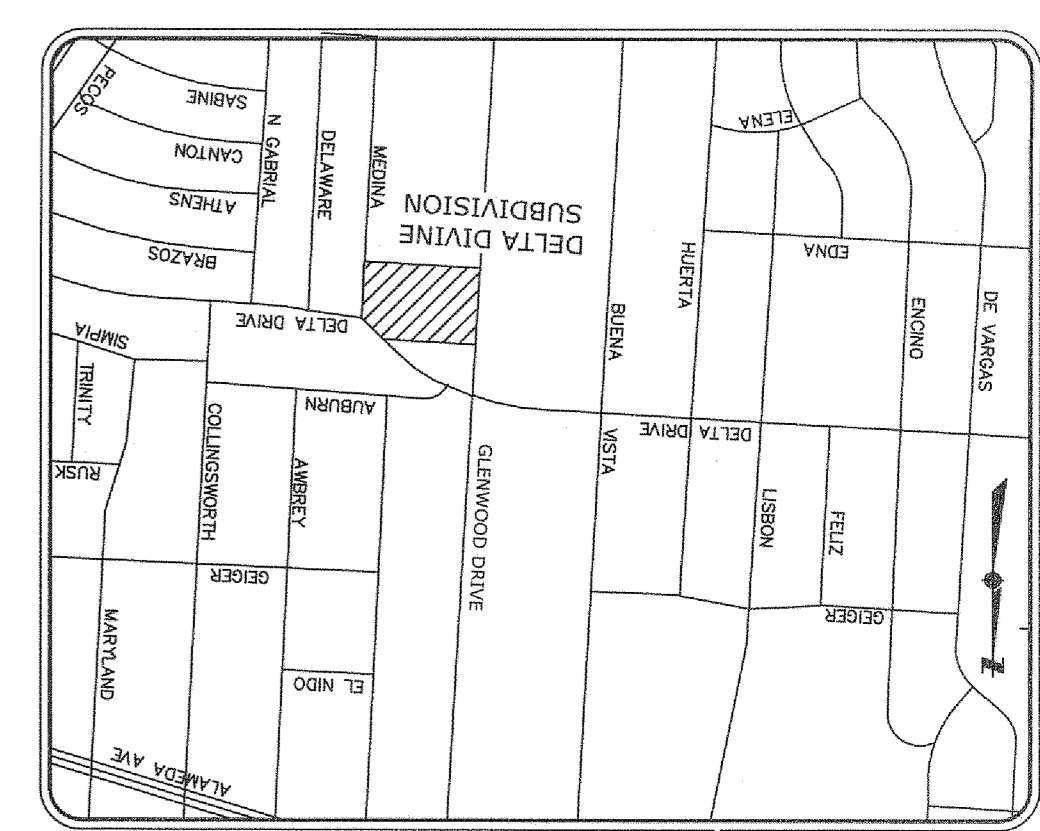


NOTES:  
RESTRICTIVE COVENANTS FOR THIS SUBDIVISION ARE FILED IN THE OFFICE OF THE COUNTY CLERK, DEED AND RECORD SECTION.  
INSTRUMENT NO. \_\_\_\_\_ DATE \_\_\_\_\_  
TAX CERTIFICATE FOR THIS SUBDIVISION ARE FILED IN THE OFFICE OF THE COUNTY CLERK, DEED AND RECORD SECTION.  
INSTRUMENT NO. \_\_\_\_\_ DATE \_\_\_\_\_  
POSTAL DELIVERY SERVICE WITHIN THE SUBDIVISION WILL BE PROVIDED USING NEIGHBORHOOD DELIVERY AND COLLECTION BOXES.  
WATER SUPPLY AND SEWAGE DISPOSAL IS BEING PROVIDED BY THE EL PASO WATER UTILITIES MUNICIPAL CODE SHALL BE APPLICABLE.  
ALL STORM RUNOFF SHALL BE ADEQUATELY WITHIN THE SUBDIVISION LOTS SHALL BE SUBJECT TO ON-SITE PONDING AND SHALL COMPLY WITH ALL PROVISIONS OF SECTION 19 OF THE EL PASO VEHICULAR ACCESS TO DELTA DRIVE IS PROHIBITED FROM LOTS 3 AND 4.

SPECIAL PONDING NOTE FOR LOTS 2-5:  
ALL LOTS IN THE SUBDIVISION ARE SUBJECT TO ON-SITE PONDING. LOT OWNERS ARE RESPONSIBLE FOR MAINTAINING ADEQUATE PROVISIONS TO ACCOMMODATE ALL STORMWATER RUNOFF GENERATED FROM THEIR RESPECTIVE LOTS ON-SITE. THE MOST GENERALLY FROM ALL ABUTTING STREET RIGHT-OF-WAYS DIRECTLY FRONTING THE LOT. POND DEPTH SHALL BE MAINTAINED AT A MINIMUM OF 18 INCHES. THE MOST GENERALLY FROM ALL ABUTTING STREET RIGHT-OF-WAYS SHALL BE CONSTRUCTED WITH A SERIES OF DRAIN PIPES ALLOWING THE STREET NUMBER TO BE CONNECTED TO THE SUBJECT PROPERTY.  
ON-SITE PONDING AREAS SHALL HAVE MAXIMUM ONE (VERTICAL) TO THREE (HORIZONTAL) SIDE SLOPES AND A MAXIMUM DEPTH OF TWELVE (12) INCHES BASED ON A ONE HUNDRED YEAR STORM.  
PERMANENT ELEVATION MARKERS SHALL BE INSTALLED TO DEFINE THE LEVELS TO BE MAINTAINED TO ENSURE THE PERMANENCE OF ON-SITE PONDING. PERMANENT ELEVATION MARKERS SHALL NOT BE MOVED, COVERED, OR ALTERED WITHOUT WRITTEN PERMISSION FROM THE CITY ENGINEER.  
THE CITY AND/OR ITS REPRESENTATIVE IS GRANTED PERMANENT RIGHT OF ACCESS TO INSPECT THE PONDING AREAS AND PERMANENT ELEVATION MARKERS.  
FILLING OR CHANGING THE POND, OR ALLOWING THE POND TO BE FILLED OR CHANGED TO AN ELEVATION GREATER THAN ESTABLISHED BY THE PERMANENT ELEVATION MARKERS, IS PROHIBITED.  
ON-SITE PONDING UTILITY SERVICES, WILL BE ISSUED ONLY AFTER THE CITY OF EL PASO HAS PERFORMED THE INSPECTION.  
NO PERSON SHALL BE PERMITTED TO IMPAIR THE FUNCTIONALITY OF AN ON-SITE POND, NO MATTER THAT FIFTY-PERCENT (50%) OF THE AREA OF ANY RESIDENTIAL LOT COVERED BY SHEET PILING, INCLUDING BUT NOT LIMITED TO BUILDINGS, BREAKERS, PATIOS, DECKS, PATIOS SHALL BE COVERED BY PERMANENT ELEVATION MARKERS OR PERMANENT ELEVATION MARKERS SHALL BE PERMITTED TO IMPAIR THE FUNCTIONALITY OF AN ON-SITE POND OR LANDSCAPING UNDERLAIN WITH PLASTIC SHEETING OR OTHER IMPERMEABLE MATERIAL.  
IN THE EVENT THAT THE FUNCTIONALITY OF AN ON-SITE POND BECOMES IMPAIRED WHETHER BY ACT OF MAN OR NATURE, THE OWNER OF THE LOT WHICH THE MARKED POND IS LOCATED SHALL PERFORM ALL CORRECTIVE ACTIONS REQUIRED TO RESTORE THAT FUNCTIONALITY.  
ANY OWNER NOTIFIED IN WRITING BY THE CITY ENGINEER OF CORRECTIVE ACTIONS REQUIRED TO RESTORE THE FUNCTIONALITY OF AN ON-SITE POND OR DRAINAGE PROBLEM ON THE LOT HOWEVER, THAT NOTHING HEREIN SHALL PREVENT THE CITY FROM MAKING AN EARLIER TIME FOR COMMENCEMENT OF COMPLETION DURING TIMES OF EMERGENCY, WHERE THERE IS INCLUDING LACK OF MAINTENANCE.  
THESE ON-SITE PONDING REQUIREMENTS SHALL BE ENFORCED BY INJUNCTIVE RELIEF WITHOUT THE REQUIREMENT OF PROPERTY REPLETION OR OTHER SECURITY.  
THE CONVEYANCE OF PROPERTY PERMITTING ON-SITE PONDING IS SUBJECT TO ON-SITE PONDING INGRESS AND EGRESS FOR INSPECTION AS STATED ON THE PLAT.  
REQUIREMENTS MAINTENANCE OF ELEVATION MARKERS, STANDING WATER ON LOT AND CONSPICUOUS LANGUAGES IN THE DEED THAT THE PROPERTY IS SUBJECT TO ON-SITE PONDING.

SCHOOL DISTRICT  
EL PASO INDEPENDENT SCHOOL DISTRICT

LOCATION MAP  
APPROX. SCALE: 1"=600'



OWNER/DEVELOPER  
PRESBYTERIAN CHURCH, INC.  
314 GLENWOOD STREET  
EL PASO, TEXAS 79905

ENGINEERING AND PLANNING CONSULTATION BY:  
Jorge A. Garcia, P.E.  
SITWORK ENGINEERING, LLC  
444 EXCLUSIVE CENTER, SUITE 134  
EL PASO, TX 79902  
(915) 251-8033

PLAT PREPARED BY:  
PASO DEL NORTE SURVEYING, INC.  
13998 BRADLEY ROAD  
EL PASO, TEXAS 79938  
PHONE: (915) 241-1841  
DATE OF PREPARATION: APRIL 10, 2013  
DATE OF REVISION: MAY 20, 2013

NOTES:  
1. THE LOCATION OF EXISTING UTILITIES SHOWN HEREON ARE FROM OBSERVED EVIDENCE OF ABOVE GROUND APPURTENANCES ONLY; THE SURVEYOR WAS NOT PROVIDED WITH SURFACE GROUND MARKINGS OR UTILITY COMPANY PLANS TO DETERMINE THE EXACT LOCATION OF ANY SUBTERRANEAN USES.  
2. BEFORE DIGGING IN THIS AREA, CALL TEXAS ONE-CALL (1-800-545-6008 FOR THIS AREA LOCATIONS (REQUEST FOR GROUND MARKINGS) OF UNDERGROUND UTILITY LINES.  
3. COMMUNITY DITCH LYING IN COLLINGSWORTH SURVEY #13 AND SHOWN ON SUBDIVISION A PART OF ALAMEDA ACRES)  
4. THIS SURVEY WAS COMPLETED WITHOUT THE BENEFIT OF AN ABSTRACT OF TITLE. THERE MAY BE EASEMENTS, OR OTHER MATTERS, NOT SHOWN.  
5. THIS PROPERTY LIES IN ZONE "C", AS DESIGNATED BY F.E.M.A., CITY OF EL PASO. OCTOBER 15, 1982. COMMUNITY PANEL NO. 480214-0040 B.  
6. THE SAME 10' UTILITY EASEMENT.

CIVIL CONSTRUCTION NOTES:

- A. GENERAL
1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE EXISTENCE AND LOCATION OF ALL UNDERGROUND OR CONCEALED UTILITIES IN ADVANCE OF ANY DEMOLITION.
2. THE CONTRACTOR SHALL REPAIR ANY AND ALL ADJACENT INFRASTRUCTURE DAMAGED DURING THE COURSE OF DEMOLITION IN ACCORDANCE WITH INDUSTRY STANDARDS.
3. THE JOB SITE AT THE COMPLETION OF DEMOLITION, SHALL BE CLEANED OF ANY DEBRIS OR SPILLS RESULTING FROM THE DEMOLITION.
4. THE CONTRACTOR'S RESPONSIBILITY TO INSPECT THE JOB SITE TO FAMILIARIZE HIMSELF/HIMSELF WITH ALL THE EXISTING CONDITIONS THAT COULD AFFECT THE WORK.
5. ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
6. THE CONTRACTOR SHALL NOT INSTALL ITEMS AS SHOWN ON THE PLANS WHEN IT IS DETERMINED THAT SUCH CONDITIONS ARE DIFFERENT THAN SHOWN IN THE DESIGN. SUCH CONDITIONS SHOULD BE BROUGHT TO THE CONTRACTOR'S ATTENTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTRACTOR DOES NOT NOTIFY THE CONSTRUCTION MANAGER. THE CONTRACTOR ASSUMES FULL RESPONSIBILITY AND EXPENSE FOR ANY REVISIONS NECESSARY.
7. EXISTING SITE IMPROVEMENTS THAT ARE TO REMAIN IN SERVICE AND ARE DAMAGED OR REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
8. ALL EXISTING MAINLINE UTILITIES THAT ARE TO REMAIN IN PLACE MUST BE PROTECTED DURING DEMOLITION.
9. THE CONTRACTOR SHALL DESIGN, CONSTRUCT AND MAINTAIN ALL SAFETY DEVICES, INCLUDING TRAFFIC CONTROL, SHOPING, AND SHALL BE SOLELY RESPONSIBLE FOR COMPLYING TO ALL LOCAL, STATE AND FEDERAL, SAFETY AND HEALTH STANDARDS, LAWS AND REGULATIONS.
10. BENCHMARKS WHICH WILL BE DISTURBED OR DESTROYED BY CONSTRUCTION, SUCH POINTS SHALL BE REFERENCED AND REPLACED WITH APPROPRIATE MONUMENTATION BY A LICENSED LAND SURVEYOR. ANY WORK DONE WITHOUT INSPECTION OR TESTING IS SUBJECT TO REMOVAL OR CORRECTION. THE CONTRACTOR SHALL PROVIDE A SIGNED DOCUMENT SHOWING PROOF OF INSPECTION AND/OR TESTING.
11. THE ENGINEER OF RECORD SHALL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO CARRY OUT THE CONSTRUCTION WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE REQUIRED TO SUPERVISE THE CONDUCT OF THE WORK OR THE CONSTRUCTION PROCEDURES AND SAFETY PROCEDURES FOLLOWED BY EMPLOYEES OR BY ANY OTHER PERSONS AT THE JOB SITE OTHER THAN THAT OF THE ENGINEER'S EMPLOYEES.
12. ALL EXISTING TOPOG. EXISTING BOUNDARY EXISTING EASEMENTS INFORMATION, & EXISTING UTILITIES SHOWN ON THE PLANS DRAWINGS WERE OBTAINED FROM THE BOUNDARY & TOPOGRAPHIC SURVEYS DATED OCTOBER 9, 2004.
13. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS TO CONSTRUCT FACILITIES WITHIN CITY RIGHT-OF-WAY.
14. PROTECT THE EXISTING UTILITY MAINS NEAR THE SITE AS SHOWN ON THE PLANS.
15. REMOVE AND DISPOSE OF BUILDINGS AND ANY ADJACENT SIDEWALKS, STEPS, ASPHALT PAVEMENT, DRIVEWAYS, SHEDS, FENCES, AND OTHER DEBRIS. ANY ITEM APPEARS TO BE QUESTIONABLE.
16. IF CONTRACTOR ENCOUNTERS HAZARDOUS MATERIALS, STOP WORK IN CITY OF EL PASO TRAFFIC CONTROL DEPARTMENTS.
17. IF ANY UTILITIES LINES, PIPELINES, OR UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS, THEY ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. IF ANY SUCH EXISTING LINES ARE SHOWN, THE ENGINEER IS BASED UPON INFORMATION PROVIDED TO THE ENGINEER BY OTHERS, AND THE INFORMATION MAY BE INCOMPLETE, OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ANY UTILITY LINE, PIPELINE OR UNDERGROUND UTILITY LINE IN OR NEAR THE AREA OF THE WORK.
18. PRIOR TO DEMOLITION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF PERMANENT UTILITIES. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
19. ANY EXISTING UNDERGROUND UTILITIES, IF SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE ANY POTENTIAL DISRUPTIONS IN UTILITY SERVICE WITH THE UTILITY COMPANIES. AFFECTED AT LEAST 48 HOURS PRIOR TO THE DISRUPTION.
20. REFERENCE MADE TO APWA REFERS TO AMERICAN PUBLIC WORKS ASSOCIATION.

C. UTILITIES

- 1. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ANY UTILITY LINE, PIPELINE OR UNDERGROUND UTILITY LINE IN OR NEAR THE AREA OF THE WORK.
2. PRIOR TO DEMOLITION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF PERMANENT UTILITIES. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
3. ANY EXISTING UNDERGROUND UTILITIES, IF SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE ANY POTENTIAL DISRUPTIONS IN UTILITY SERVICE WITH THE UTILITY COMPANIES. AFFECTED AT LEAST 48 HOURS PRIOR TO THE DISRUPTION.
4. REFERENCE MADE TO APWA REFERS TO AMERICAN PUBLIC WORKS ASSOCIATION.

D. EROSION CONTROL, ENVIRONMENTAL PROTECTION, AND STORM WATER, POLLUTION PREVENTION PLAN

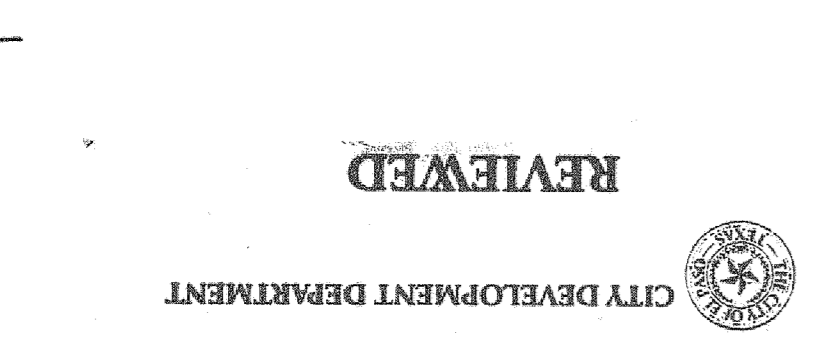
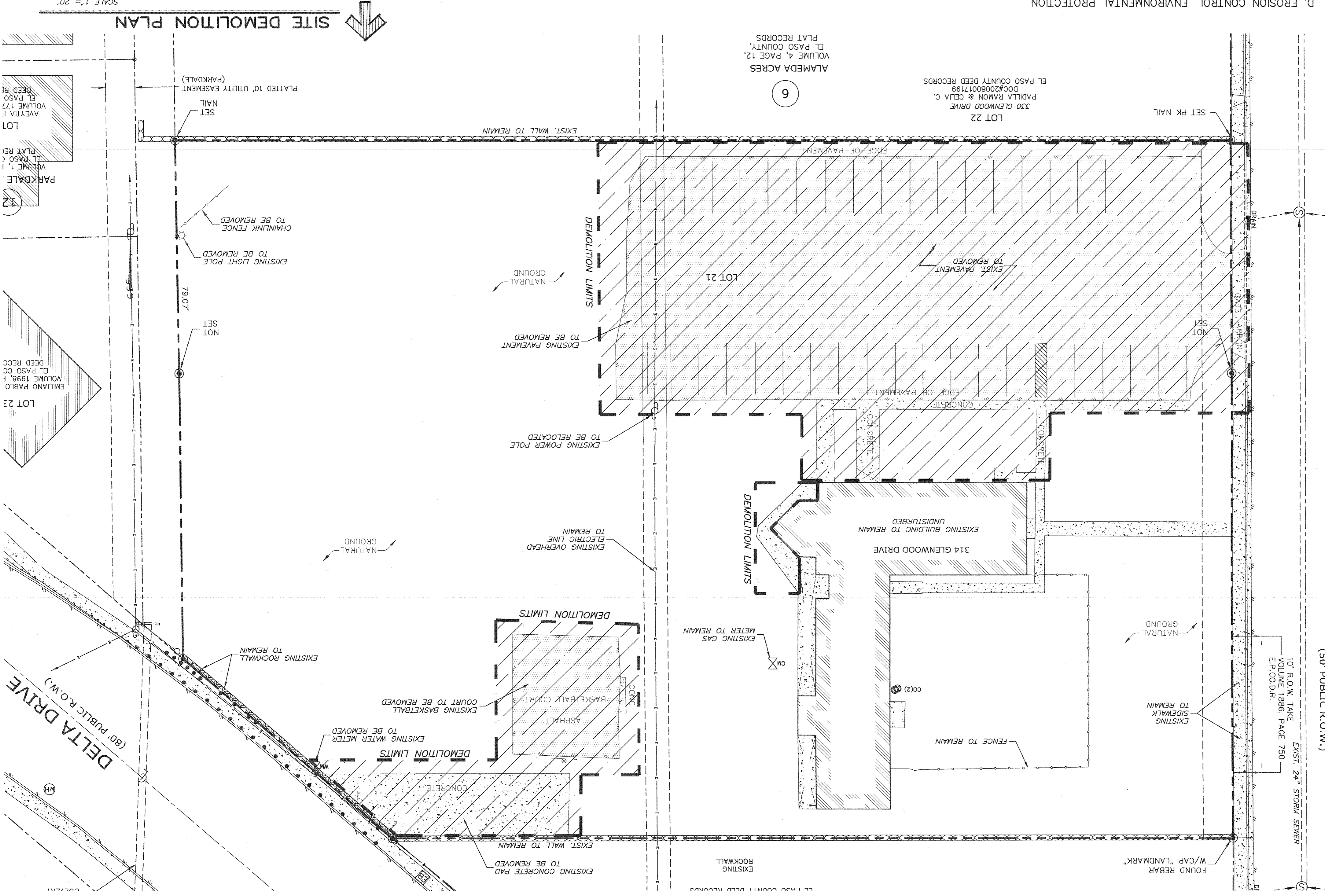
- 1. THE CONTRACTOR SHALL CONFORM TO ALL CITY, STATE, AND FEDERAL REGULATIONS OF STATE OF TEXAS AND CITY OF EL PASO PRIOR TO BIDDING AND PERFORMING THE WORK.
2. THE CONTRACTOR SHALL APPRISE HIMSELF OF ALL AIR POLLUTION CONTROL REGULATIONS OF STATE OF TEXAS AND CITY OF EL PASO PRIOR TO BIDDING AND PERFORMING THE WORK.
3. THE CONTRACTOR SHALL CONFORM TO ALL APPLICABLE REGULATIONS CONCERNING CONSTRUCTION NOISE AND HOURS OF OPERATIONS.
4. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE REGULATIONS CONCERNING CONSTRUCTION NOISE AND HOURS OF OPERATIONS.
5. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE REGULATIONS CONCERNING CONSTRUCTION NOISE AND HOURS OF OPERATIONS.
6. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE REGULATIONS CONCERNING CONSTRUCTION NOISE AND HOURS OF OPERATIONS.
7. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE REGULATIONS CONCERNING CONSTRUCTION NOISE AND HOURS OF OPERATIONS.

E. TRAFFIC CONTROL

- 1. THE CONTRACTOR SHALL COORDINATE WITH THE CITY OF EL PASO FOR ALL TRAFFIC CONTROL, BOTH VEHICULAR AND PEDESTRIAN.
2. THE CONTRACTOR SHALL COMPLY WITH ALL TRAFFIC CONTROL REQUIREMENTS AND SUPPLYING WATER AS REQUIRED.
3. THE CONTRACTOR SHALL PROPERLY HANDLE AND DISPOSE OF ALL ASPHALT REMOVED ON THE PROJECT BY HAULING TO AN APPROVED LANDFILL IN ACCORDANCE WITH THE REQUIREMENTS OF THE STATE OF TEXAS AND CITY OF EL PASO.
4. ALL WASTE PRODUCTS FROM THE CONSTRUCTION SITE, INCLUDING ITEMS DESIGNED FOR REMOVAL, CONSTRUCTION WASTE, CONSTRUCTION EQUIPMENT WASTE PRODUCTS (OIL, GAS, TILES, ETC.), GRASS, GRUBBING, EXCESS CUT MATERIAL, VEGETATIVE DEBRIS, ETC. SHALL BE APPROPRIATELY DISPOSED OF OFF-SITE AT AN ADDITIONAL COST TO OBTAIN ANY PERMITS REQUIRED FOR HAIL OR DISPOSAL OF WASTE PRODUCTS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REGULATIONS REARING THE ENVIRONMENT, ENHANCED SPECIES, AND ARCHAEOLOGICAL RESOURCES.

F. PAVING

- 1. ALL UTILITIES AND GRADES ARE IN FEET/INCHES UNLESS OTHERWISE NOTED.
2. ELEVATIONS SHOWN FOR CURB AND GUTTER ARE FLOWLINE ELEVATIONS UNLESS OTHERWISE NOTED.
3. SEE DETAIL SHEET FOR CURB HEIGHT ABOVE FLOWLINE.



WARNING!!! BEFORE YOU DIG
COORDINATION WITH UTILITIES
CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES PRIOR TO ANY EXCAVATION AND/OR RELOCATION OF EXISTING UTILITIES ENCOUNTERED DURING CONSTRUCTION WORK.

SITEMORK
444 EXECUTIVE CENTER, SUITE 134 - EL PASO, TEXAS - 79902
PHONE (915) 351-8033 - FAX (915) 351-8033



C-2
DEMONITION
SITE
PLAN

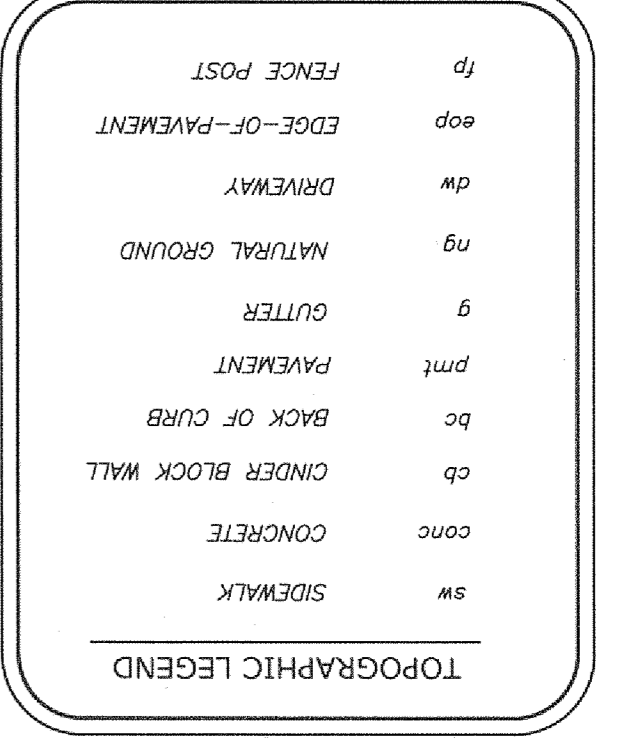
DELTA DIVINE SUBDIVISION
A PORTION OF LOTS 20 AND 21, BLOCK 6,
ALAMEDA ACRES, CITY OF EL PASO, TEXAS CONTAINING 41.99-ACRES

Table with columns for PROJECT NAME, SCALE, ISSUED DATE, and CITY APPROVAL.

Table with columns for NO., DATE, DESCRIPTION, and CITY COMMENTS.

REFERENCE BENCHMARK:
EXISTING CITY MONUMENT FOUND AT THE INTERSECTION OF COLLINGSWORTH STREET AND SIMPA DRIVE.
ELEVATION : 3685.84 CITY DATUM

THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE CITY OF EL PASO, TEXAS, AND THE STATE OF TEXAS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE CITY OF EL PASO, TEXAS, AND THE STATE OF TEXAS.



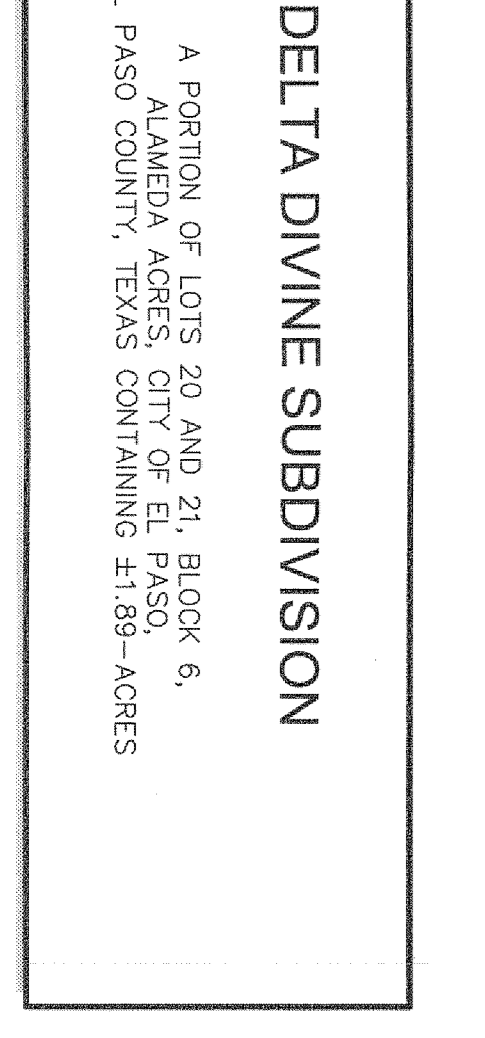
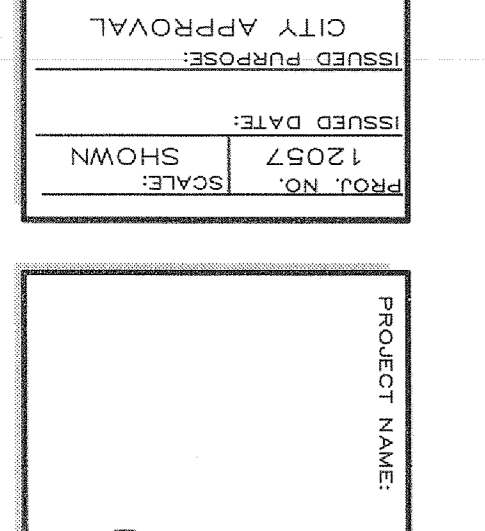
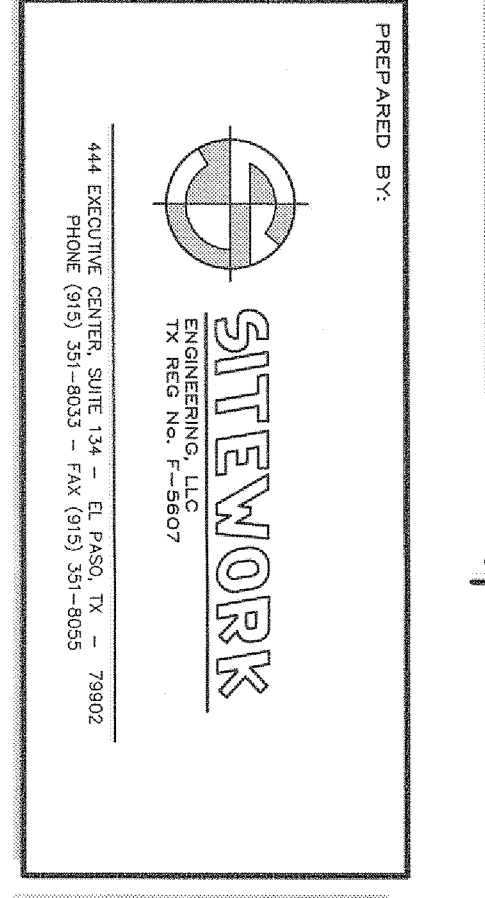
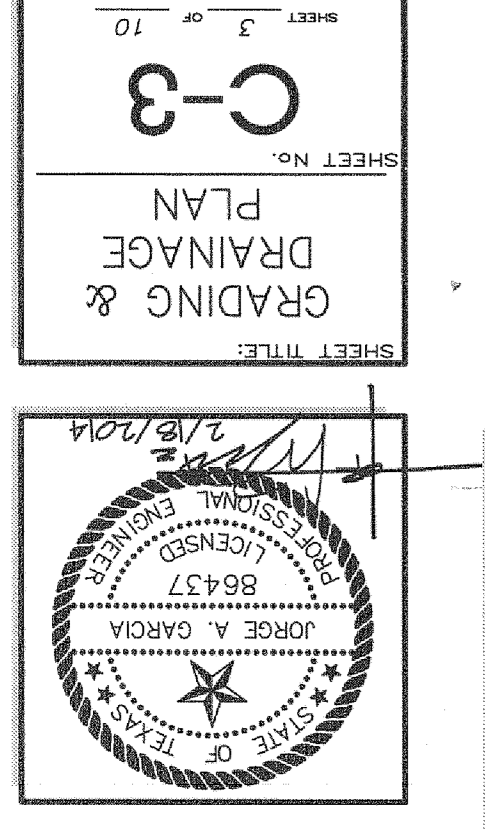
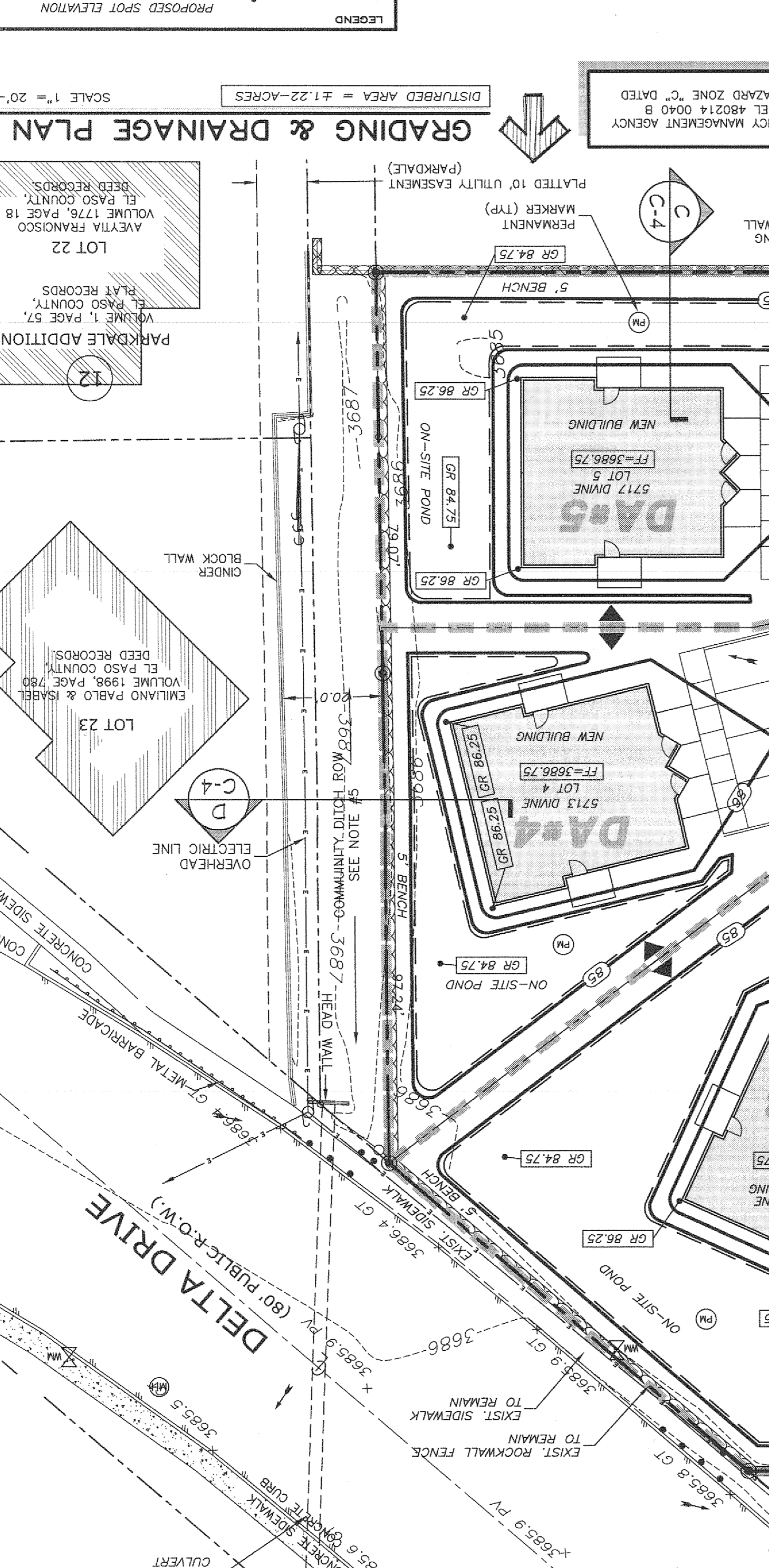
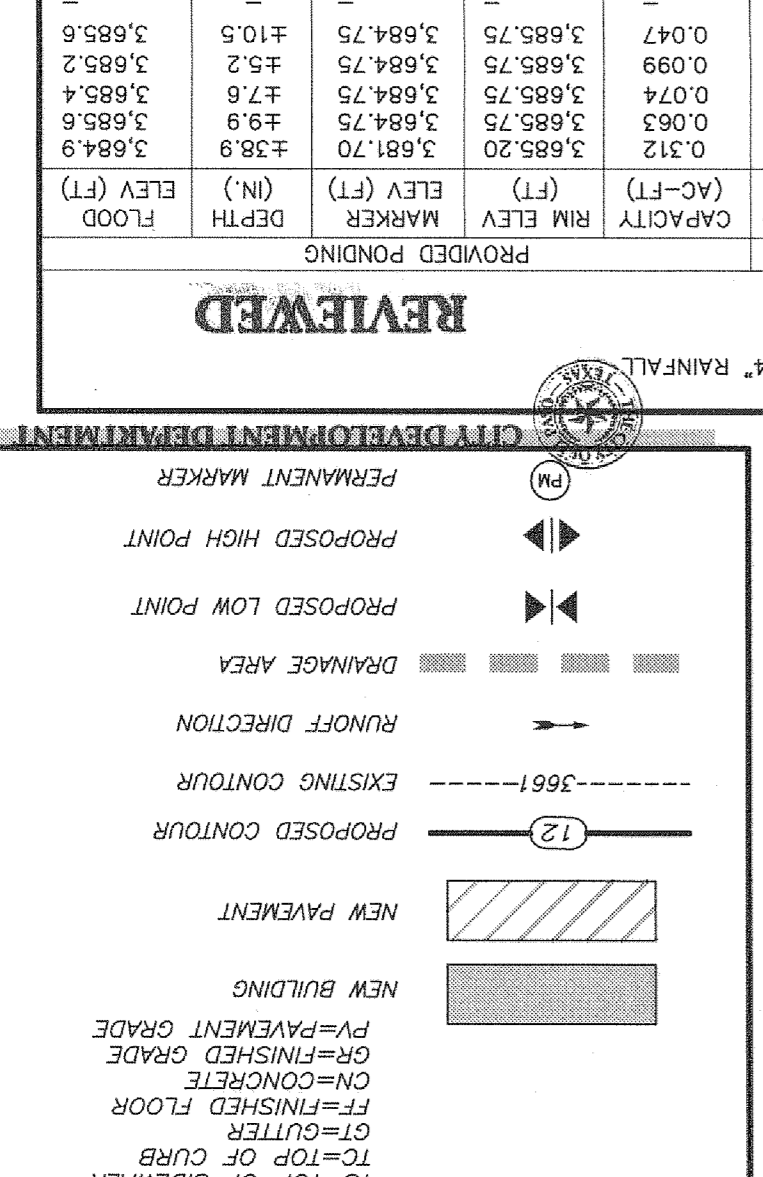
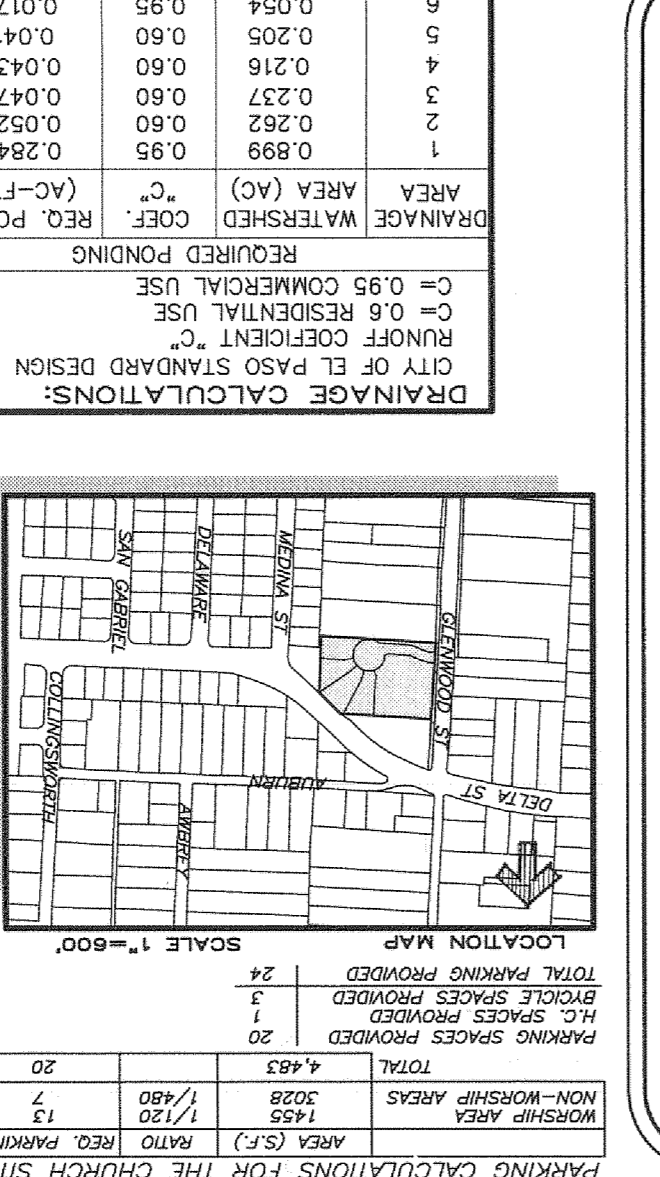
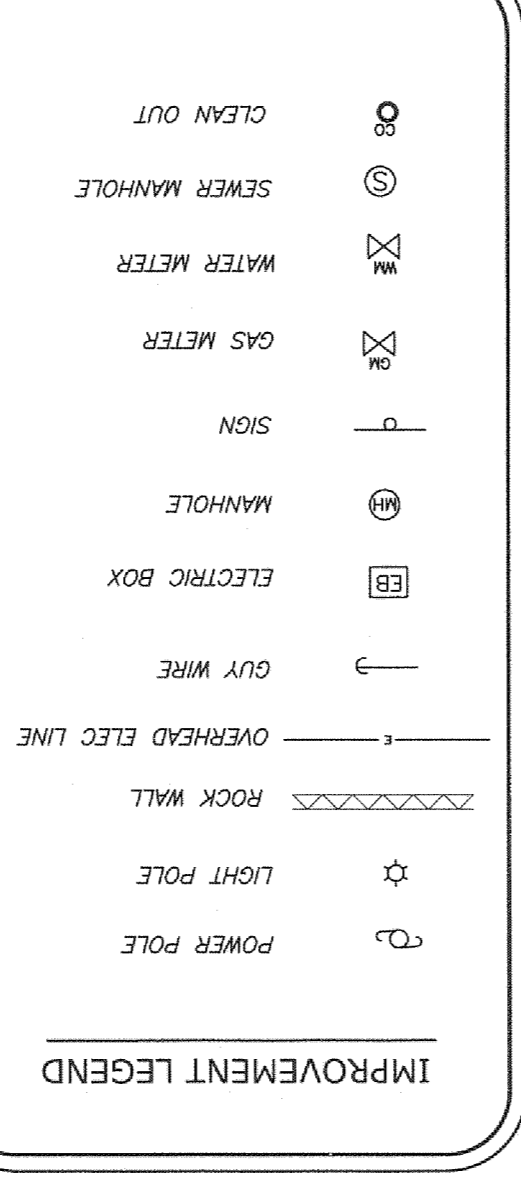
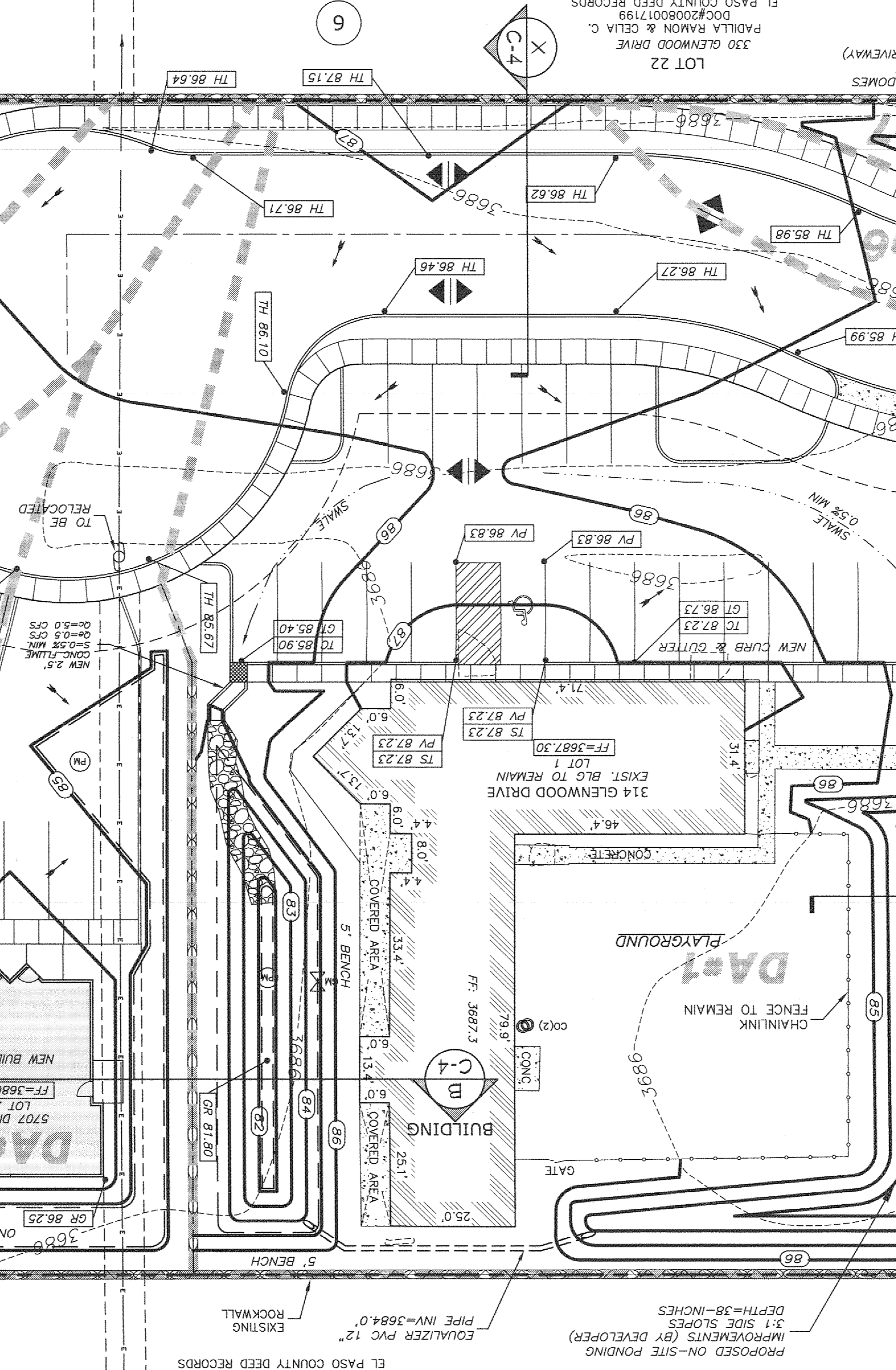
COORDINATION WITH UTILITIES: THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES PRIOR TO ANY EXCAVATION AND/OR RELOCATION OF UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE CITY OF EL PASO, TEXAS, AND THE STATE OF TEXAS.

- 1. THE EXISTING TOPOGRAPHIC/BOUNDARY INFORMATION ON THIS PROJECT WAS PROVIDED BY PASO DEL SURVEYING, INC. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND NOTES PRIOR TO COMMENCING THE CONSTRUCTION SCHEDULE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE CITY OF EL PASO, TEXAS, AND THE STATE OF TEXAS.

RESIDENTIAL ON-SITE PONDING: THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE CITY OF EL PASO, TEXAS, AND THE STATE OF TEXAS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE CITY OF EL PASO, TEXAS, AND THE STATE OF TEXAS.

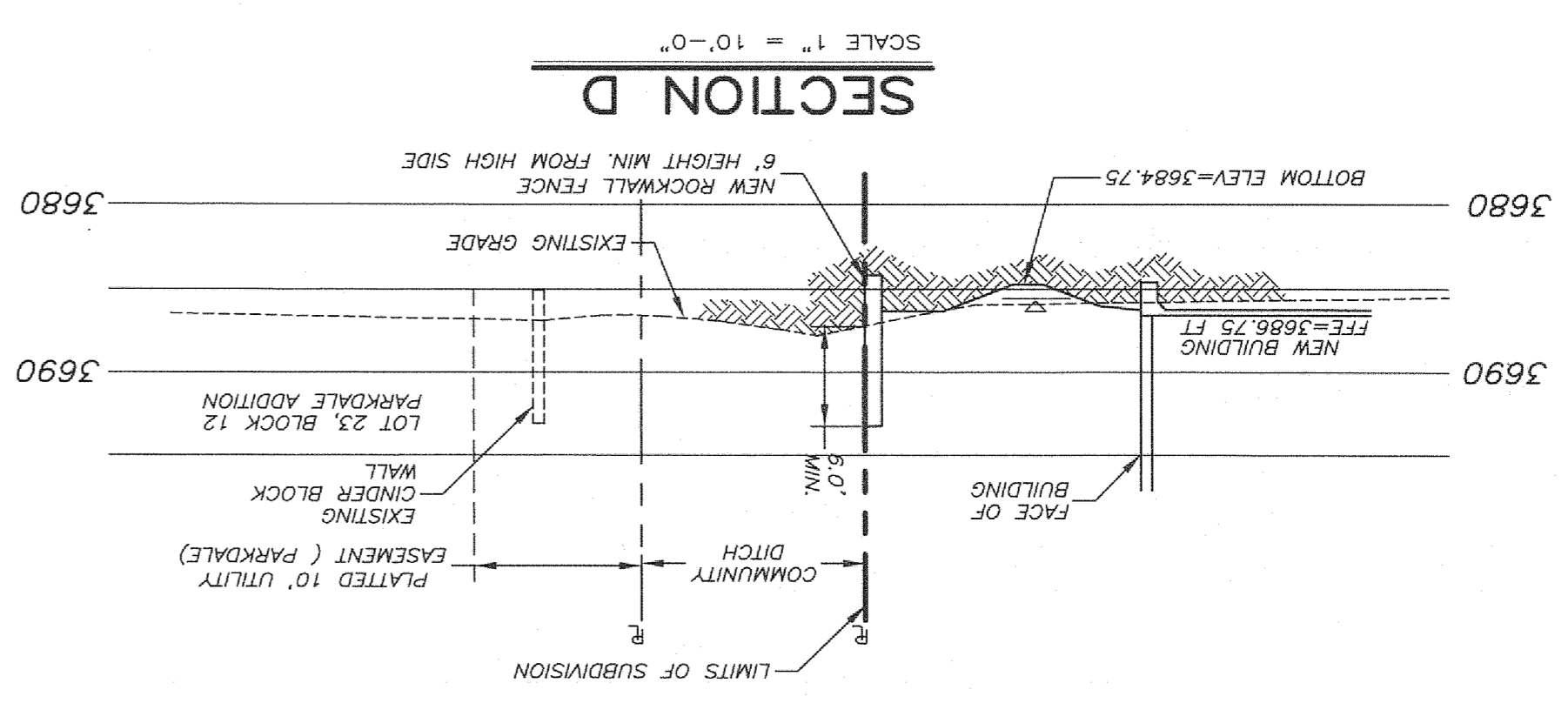
GENERAL NOTES: 1. THE EXISTING TOPOGRAPHIC/BOUNDARY INFORMATION ON THIS PROJECT WAS PROVIDED BY PASO DEL SURVEYING, INC. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND NOTES PRIOR TO COMMENCING THE CONSTRUCTION SCHEDULE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE CITY OF EL PASO, TEXAS, AND THE STATE OF TEXAS.

PERMIT CLOSEOUT PROCEDURE: THE CONTRACTOR SHALL FURNISH HIS BEST EFFORTS TO COMPLETE THE PROJECT WITHIN THE SPECIFIED TIME FRAME. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE CITY OF EL PASO, TEXAS, AND THE STATE OF TEXAS.

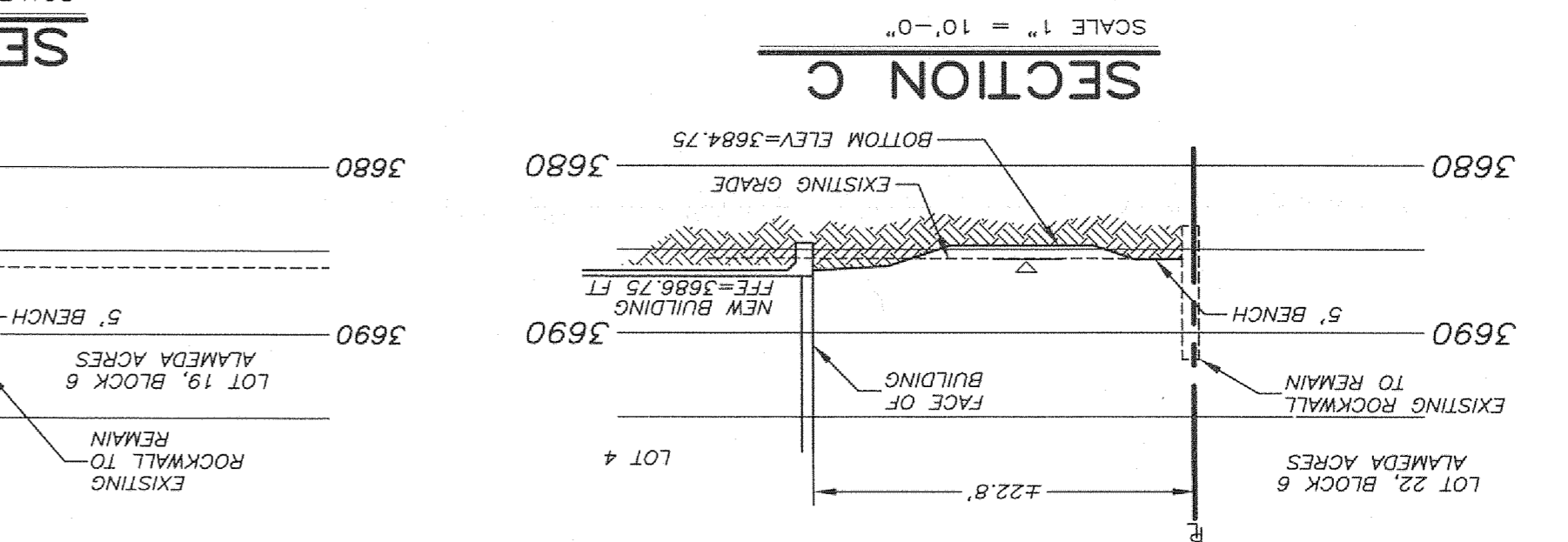


REVISIONS: A table with columns for NO., DATE, DESCRIPTION, and BY. It lists several revisions made to the drawing.

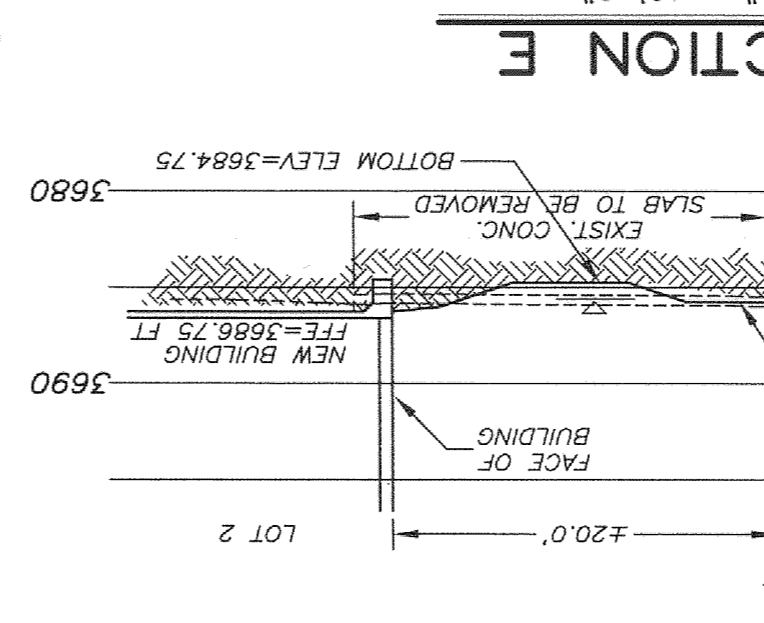
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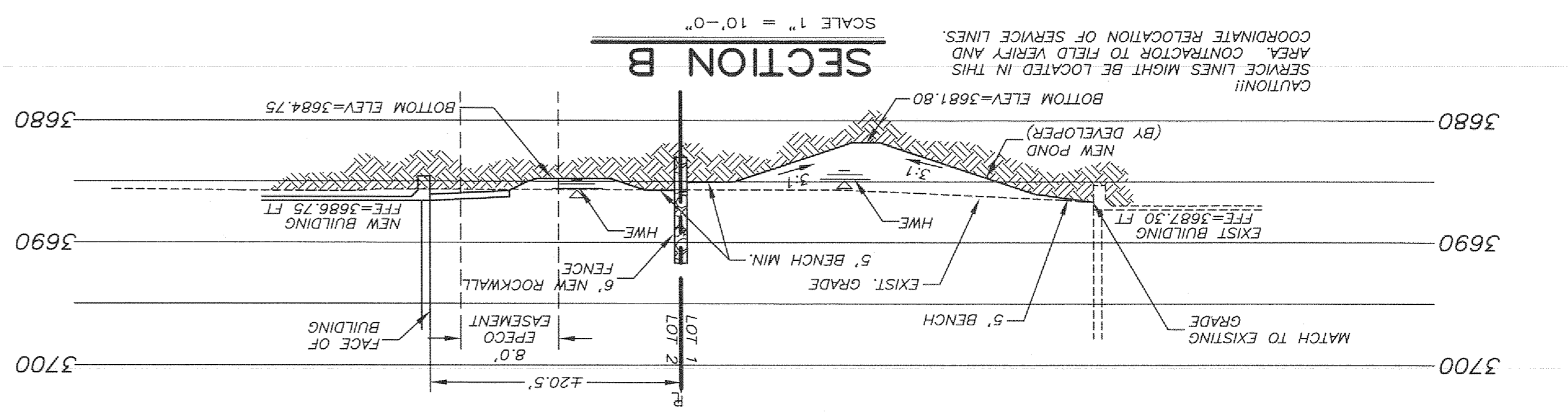
SECTION D  
SCALE 1" = 10'-0"



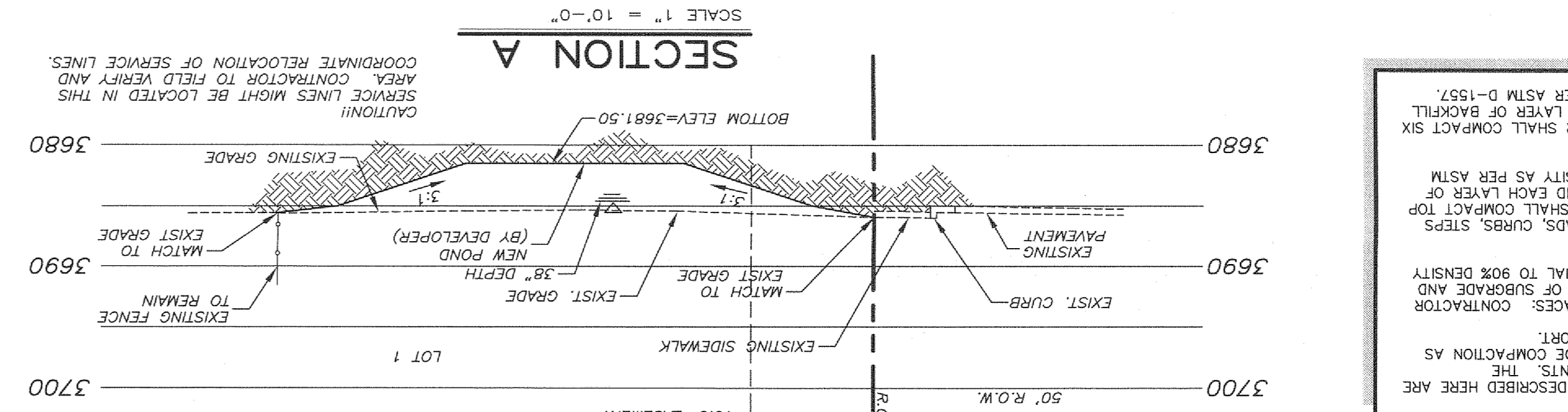
SECTION C  
SCALE 1" = 10'-0"



SECTION E  
SCALE 1" = 10'-0"



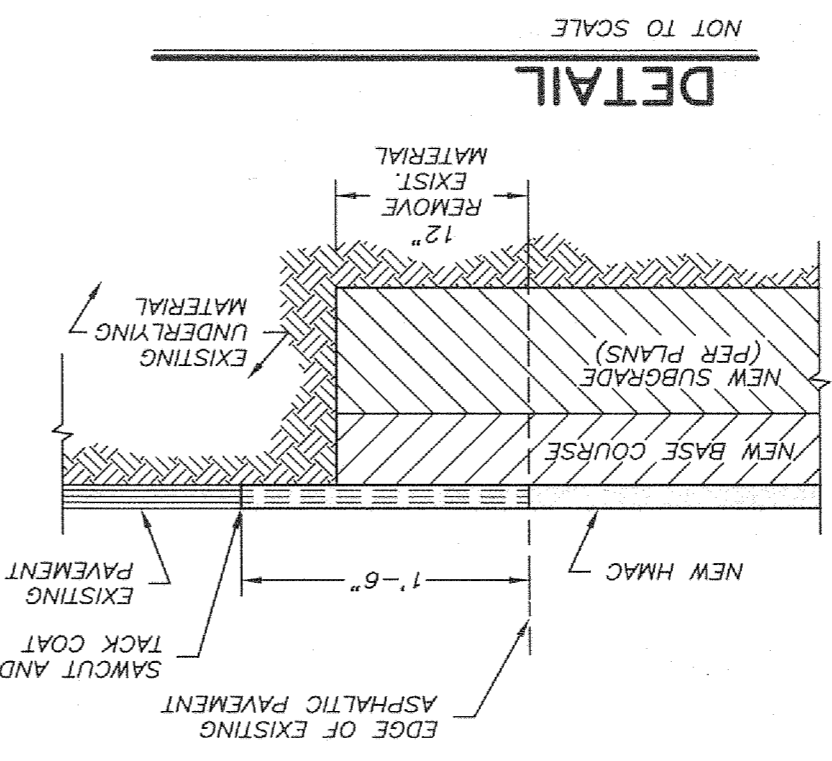
SECTION B  
SCALE 1" = 10'-0"



SECTION A  
SCALE 1" = 10'-0"

**COMPACTION NOTES:**

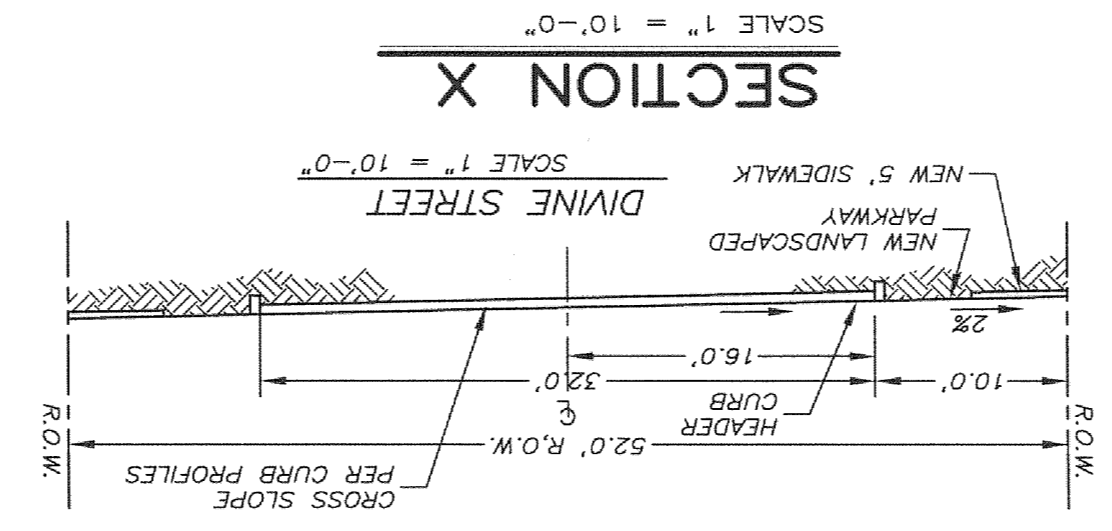
1. THE COMPACTION REQUIREMENTS DESCRIBED HERE ARE REQUIRED BY GEOTECHNICAL REPORT.
2. UNDER LAWN OR UNPAVED SURFACES: CONTRACTOR SHALL COMPACT TOP SIX INCHES OF SUBGRADE AND SHALL COMPACT TOP SIX INCHES OF SUBGRADE AS PER ASTM D-1557.
3. UNDER STRUCTURES: BUILDING PADS, CURBS, STEPS AND PAVEMENTS: CONTRACTOR SHALL COMPACT TOP TWO INCHES OF SUBGRADE AND EACH LAYER OF BACKFILL MATERIAL TO 95% DENSITY AS PER ASTM D-1557.
4. UNDER WALKWAYS: CONTRACTOR SHALL COMPACT SIX INCHES OF SUBGRADE AND EACH LAYER OF BACKFILL MATERIAL TO 95% DENSITY AS PER ASTM D-1557.



DETAIL  
NOT TO SCALE

CURVE DATA TABLE

CURVE	LENGTH	RADIUS	TRANSVERSE CHORD	DELTA	DIRECTION
C1	30.70	84.00	15.52	30.53	N75°14'39"W
C2	32.88	20.00	21.52	29.30	S47°11'27"W
C3	30.70	118.00	25.90	50.56	S25°10'36"W
C4	30.97	118.00	25.90	50.56	S25°10'36"W
C5	30.73	20.00	19.32	27.79	S80°10'50"W
C6	48.87	118.00	23.77	48.57	N75°11'33"W
C7	38.91	84.00	18.70	38.81	S27°21'42"E
C8	43.94	100.00	22.33	43.58	N77°21'42"W
C9	43.94	100.00	22.33	43.58	S77°21'42"E
C10	27.70	20.00	16.59	25.54	N50°22'10"E
C11	221.47	45.00	36.45	56.65	N28°19'15"W
C12	7.90	20.00	4.00	7.84	N78°38'24"W



SECTION X  
SCALE 1" = 10'-0"

**TYPICAL PAVEMENT STRUCTURE**  
NOT TO SCALE

FINAL PAVEMENT DESIGN TO BE APPROVED BY CITY ENGINEERING BASED ON CBR TEST RESULTS.

1. BASE COURSE CONFORM WITH ITEM 247, TYPE A - CONTROL STRIP COMPACTION METHODS.

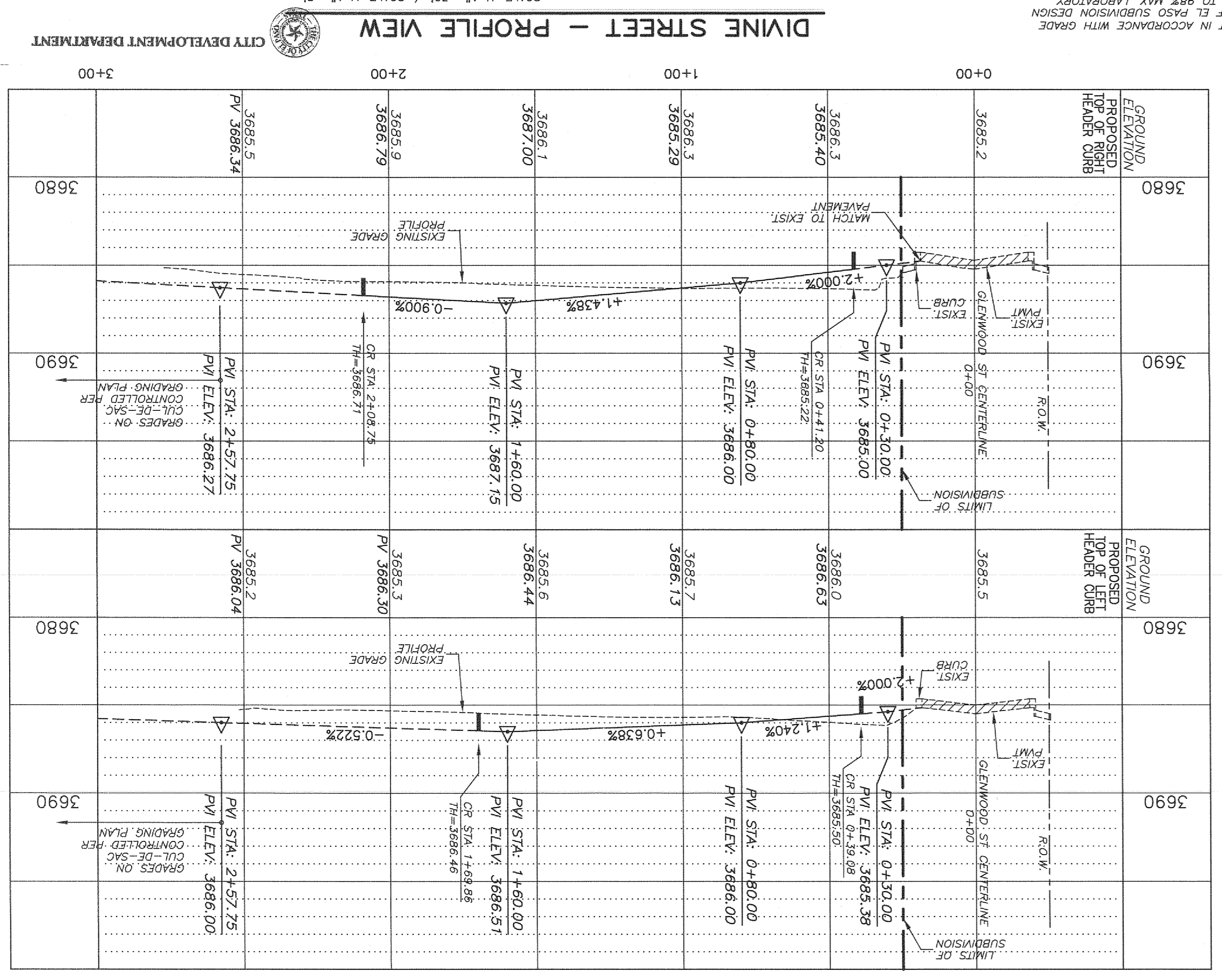
2. ASPHALTIC PAVEMENT IN ACCORDANCE WITH GRADE STANDARDS COMPARED TO 98% LABORATORY COMPACTION IN ACCORDANCE TO MARSHALL OR C. MIX OF THE CITY OF EL PASO SUBDIVISION DESIGN.

3. MIX OF THE CITY OF EL PASO SUBDIVISION DESIGN STANDARDS COMPARED TO 98% LABORATORY COMPACTION IN ACCORDANCE TO MARSHALL OR C. MIX OF THE CITY OF EL PASO SUBDIVISION DESIGN.

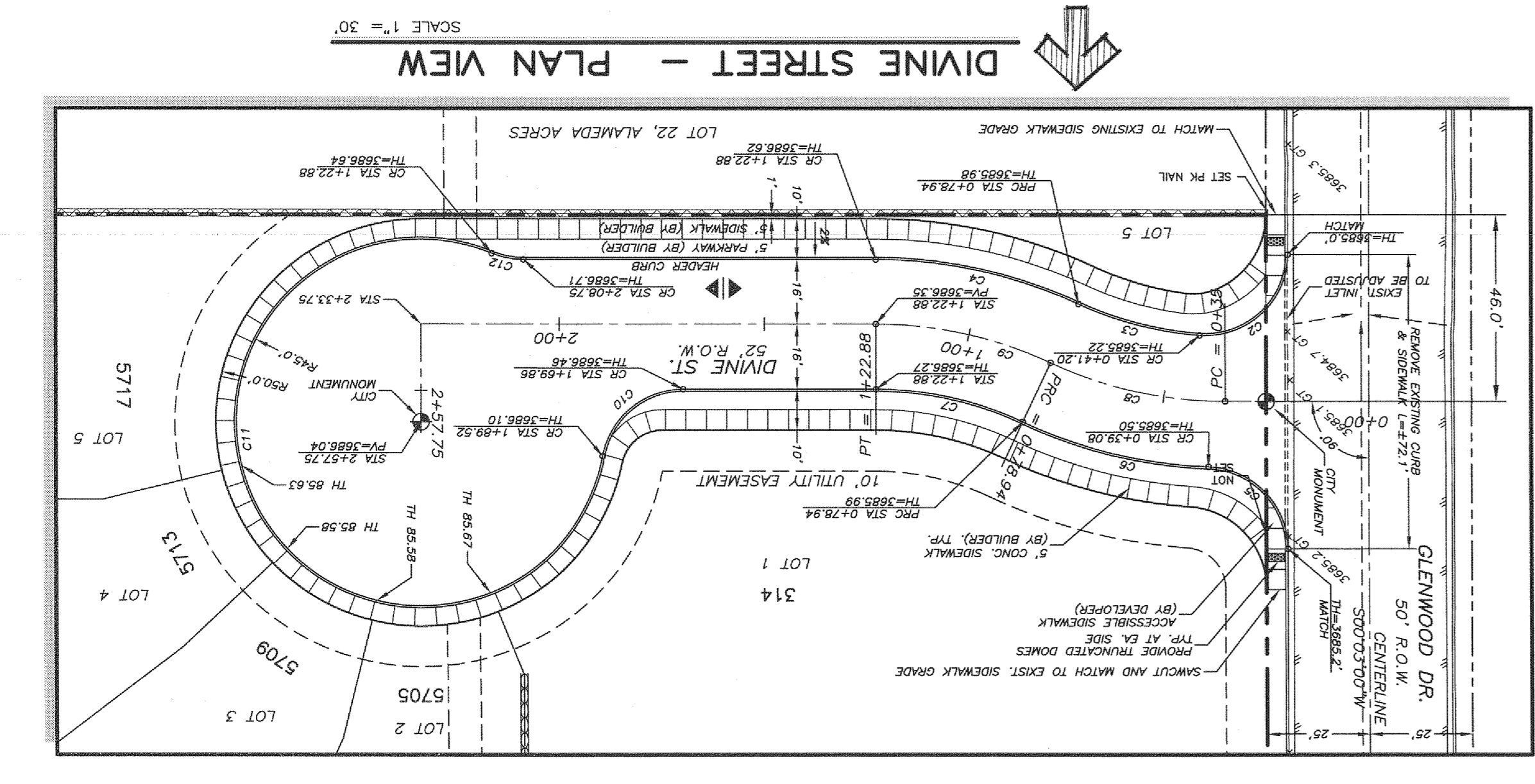
4. COMPACTED SUBGRADE (6" MIN.) IN UNIFORM LAYERS NOT EXCEEDING 6" LIFTS COMPACTED TO 95% MAXIMUM DENSITY PER ASTM D 1557. SUBGRADE SHALL BE COMPACTED 1 FT MINIMUM BEHIND CURB.

**NOTES:**

1. IT IS THE CONTRACTOR RESPONSIBILITY TO CONTACT ALL UTILITY COMPANIES FOR THE EXACT LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD STRUCTURES AND UTILITIES DURING CONSTRUCTION.
2. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND ELEVATIONS ON SITE AND SHALL CONTACT THE DESIGN ENGINEER TO REPORT ANY DISCREPANCIES AND/OR ERRORS ON PLANS PRIOR TO COMMENCING WORK.
3. THE CONTRACTOR SHALL COORDINATE ALL UTILITY REMOVALS AND RELOCATIONS WITH THE APPROPRIATE UTILITY COMPANIES.



DINE STREET - PROFILE VIEW  
SCALE: H = 1" = 30' / SCALE: V = 1" = 5'

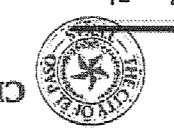


DINE STREET - PLAN VIEW  
SCALE 1" = 30'

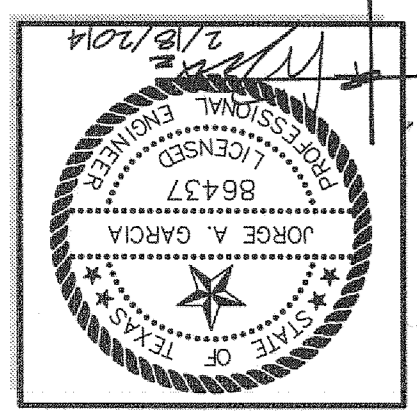
**LEGEND**

- PROPOSED LOW POINT
- PROPOSED HIGH POINT
- RUNOFF DIRECTION
- PROPOSED SPOT ELEVATION
- STA STATION
- TH = TOP OF CURB
- CR = CURB RETURN
- P = PAVEMENT
- SUBDIVISION LIMIT

**REVIEWED**



SHEET TITLE: DIVINE ST. PLAN & PROFILE  
SHEET NO. 4 OF 10



**SITEMARK**  
444 EXECUTIVE CENTER, SUITE 134 - EL PASO, TX - 79902  
PHONE (915) 381-8033 - FAX (915) 381-8035

ISSUED DATE: 12/07/07  
SCALE: SHOWN

PROJECT NAME: DELTA DIVINE SUBDIVISION

A PORTION OF LOTS 20 AND 21, BLOCK 6, ALAMEDA ADDITION, CITY OF EL PASO COUNTY, TEXAS, CONTAINING 11.99 - ACRES

REVISIONS

NO.	DATE	DESCRIPTION
1	12/13/07	EXISTING CITY MONUMENT FOUND AT THE INTERSECTION OF COLLEGEWORTH STREET AND SIMPA DRIVE.
2	2/10/08	CITY COMMENTS
3		

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ENGINEERING DEPARTMENT  
DESIGN STANDARDS  
FOR CONSTRUCTION

TITLE 19 - SUBDIVISION ORDINANCE

Approved By: R. A. SHERBERT  
Checked By: H. M. B.  
Date: JUNE 03, 2008  
Drawn By: GREG L. B.

3-53  
CITY SURVEY  
MONUMENT

BRONZE MONUMENT CAP

SECTION VIEW

MONUMENT BOX

LETTERS TO HEIGHT  
OF STAR = 3/4"  
OF STAR = 3/16"  
INSIDE RADIUS  
OR STAR = 3/16"  
OUTSIDE RADIUS

ALL HOLES  
1/2" Ø

NO FORMS REQUIRED  
CONCRETE TO BE  
POURED IN PLACE.  
3000 P.S.I. CONCRETE.

ENGINEERING DEPARTMENT  
DESIGN STANDARDS  
FOR CONSTRUCTION

TITLE 19 - SUBDIVISION ORDINANCE

Approved By: R. A. SHERBERT  
Checked By: H. M. B.  
Date: JUNE 03, 2008  
Drawn By: GREG L. B.

2-7  
PERMANENT ELEVATION MARKER FOR ON-SITE PONDING

PERMANENT ELEVATION MARKER

MARKERS TO BE PLACED AT CORNER OF FRONT AND BACK YARDS.

4" PVC FILLED WITH CONCRETE

FINISHED GRADE

BOTTOM OF POND

12"

36°

ELEVATION MARKER

BUILDING

ELEVATION MARKER

FOR ON-SITE PONDING N.T.S.

ENGINEERING DEPARTMENT  
DESIGN STANDARDS  
FOR CONSTRUCTION

TITLE 19 - SUBDIVISION ORDINANCE

Approved By: R. A. SHERBERT  
Checked By: H. M. B.  
Date: JUNE 03, 2008  
Drawn By: GREG L. B.

4-3  
ROCK WALL DESIGN

ROCKWALL

ADJACENT TO RESIDENTIAL LOTS

NOTES:

- STONE FOR ROCKWALL SHALL BE AS NEARLY UNIFORM IN SECTIONS AS IS PRACTICABLE. THE STONE SHALL BE DENSE AND RESISTANT TO AIR AND WATER.
- MORTAR SHALL 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 SHALL BE DESIGNED AS STRUCTURAL WALLS.
- RETENTION OVER TWO (2) FEET SHALL BE DESIGNED AS STRUCTURAL WALLS.
- WALLS ADJACENT TO PONDING AREAS OR DRAINAGE DITCHES MAY BE CONSTRUCTED OF BRICK OR GIMBER BLOCK AND SHALL NOT BE LESS THAN SIX (6) FEET HIGH.
- ROCKWALL MORTAR JOINTS SHALL 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 FOR ROCKWALLS.

1. 6" MAX. ALONG REAR & SIDE YARDS.

2. 3'-6" MAX. ALONG FRONT YARDS.

3. 6" HIGH @ DRAINAGE AND BASINS.

ENGINEERING DEPARTMENT  
DESIGN STANDARDS  
FOR CONSTRUCTION

TITLE 19 - SUBDIVISION ORDINANCE

Approved By: R. A. SHERBERT  
Checked By: H. M. B.  
Date: JUNE 03, 2008  
Drawn By: GREG L. B.

6-18  
DRIVEWAY WITH ON-SITE PONDING

DRIVEWAY PLAN

DRIVEWAY WITH ON-SITE PONDING

DRIVEWAY WIDTH

MIN	MAX
24'	35'
10'	20'
15'	25'

(REFER TO PLATE 6-16)  
LESS THAN 60' LOTS, DUPLEX, AND TOWNHOMES

RESIDENTIAL  
COMMERCIAL/INDUSTRIAL  
RESIDENTIAL (SINGLE FAMILY 60' LOTS)

4" CONC. WITH EPS-10/10  
6" CONC. WITH EPS-6/6

R.O.W. OR PROPERTY LINE

EXPANSION JOINT MATERIAL

2% MAX. CROSS-SLOPE

2 1/2" MIN. RADIUS

HEADER CURB

PROPERTY LINE

PAVEMENT

95% COMPACTION

FOR NON-COHESIVE AS PER ASTM D1557

1/2" APPROVED EXPANSION JOINT MATERIAL

95% ON DRYWY FOR NON-COHESIVE AS PER ASTM D1557

2% MAX. SIDEWALK

VARIES

FINISHED GRADE OR DRIVEWAY TREATMENT

ENGINEERING DEPARTMENT  
DESIGN STANDARDS  
FOR CONSTRUCTION

TITLE 19 - SUBDIVISION ORDINANCE

Approved By: R. A. SHERBERT  
Checked By: H. M. B.  
Date: JUNE 03, 2008  
Drawn By: GREG L. B.

2-35B  
DRAINAGE FLUMES

CONCRETE FLUME WITH STEEL PLATE COVER

MULTIPLE CONCRETE FLUMES WITH STEEL PLATE COVER

CONCRETE FLUME SECTION WITHOUT PLATE

NOTES:

- ALL CONCRETE SHALL BE 3000 P.S.I. COMPRESSIVE STRENGTH @ 28 DAYS.
- STEEL DIAMOND FLOOR PLATE TO HAVE A MINIMUM OF TWO COATS OF RED OXIDE PRIMER.
- PLATE TO HAVE A MINIMUM 3" PLATE COLOR AS SPECIFIED.

ENGINEERING DEPARTMENT  
DESIGN STANDARDS  
FOR CONSTRUCTION

TITLE 19 - SUBDIVISION ORDINANCE

Approved By: R. A. SHERBERT  
Checked By: H. M. B.  
Date: JUNE 03, 2008  
Drawn By: GREG L. B.

6-12  
CONCRETE HEADER WITH SIDEWALK SECTION

CONCRETE HEADER WITH SIDEWALK SECTION

HEADER FOR ROCKY OR MOUNTAINOUS TERRAIN

HEADER FOR EXPANSIVE SOIL

NOTES:

- CONCRETE TO BE 3000 P.S.I. MIN.
- DUALY JOINT REQUIRED AT 10' O.C. FOR HEADERS AND 5' O.C. FOR SIDEWALKS.
- EXPANSION MATERIAL REQUIRED AT CURB RETURNS AND AT 20' O.C. FOR SIDEWALKS WITH 1/2" PRECURED ASPHALT IMPREGATED EXPANSION MATERIAL OR EQUAL.
- EXPANSION JOINTS REQUIRED AT 50' O.C. WHEN FORMING FOR HEADERS.
- EXPANSION JOINTS REQUIRED FOR SIDEWALK AT 20' O.C.

PROJECT NAME:  
DELTA DIVINE SUBDIVISION

A PORTION OF LOTS 20 AND 21, BLOCK 6,  
A SUBDIVISION OF  
EL PASO COUNTY, TEXAS CONTAINING 5.1583-ACRES

REFERENCE BENCHMARK:  
ENGINEING CITY MONUMENT FOUND AT THE INTERSECTION OF  
COLLINSWORTH STREET AND SHINA DRIVE.  
ELEVATION : 3655.84 CITY DATUM

NO.	DATE	DESCRIPTION
1	1/15/13	CITY COMMENTS
2	2/18/13	CITY COMMENTS
3		

PROJECT NO. 12057

SCALE: SHOWN

ISSUED DATE: 12057

ISSUED PURPOSE: CITY APPROVAL

PREPARED BY:  
SITEMWORK

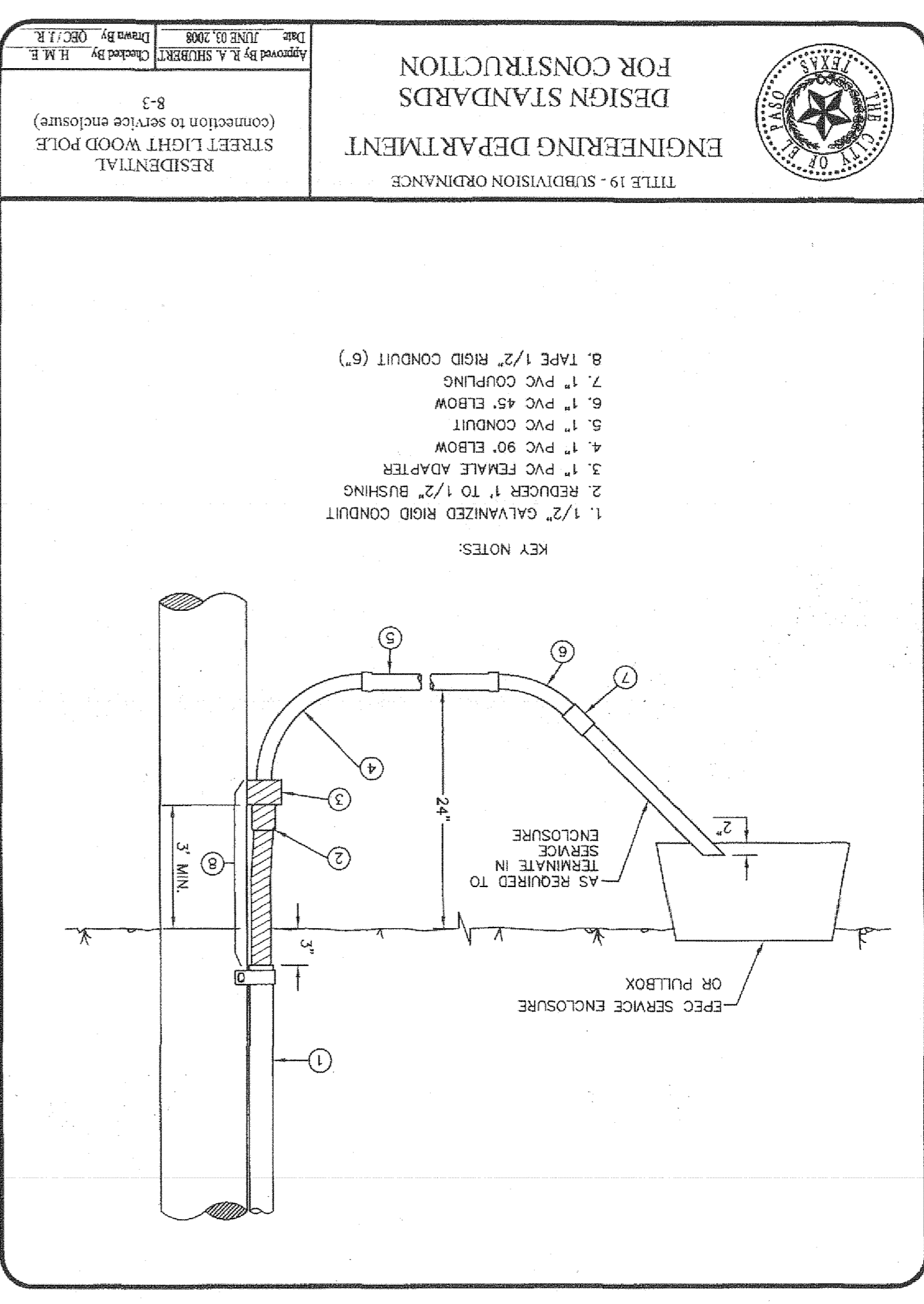
444 EXECUTIVE CENTER, SUITE 134 - EL PASO, TX - 79902  
PHONE (910) 351-8033 - FAX (910) 351-8035

SHEET TITLE:  
TYPICAL DETAILS

SHEET NO. C-5

5 OF 10

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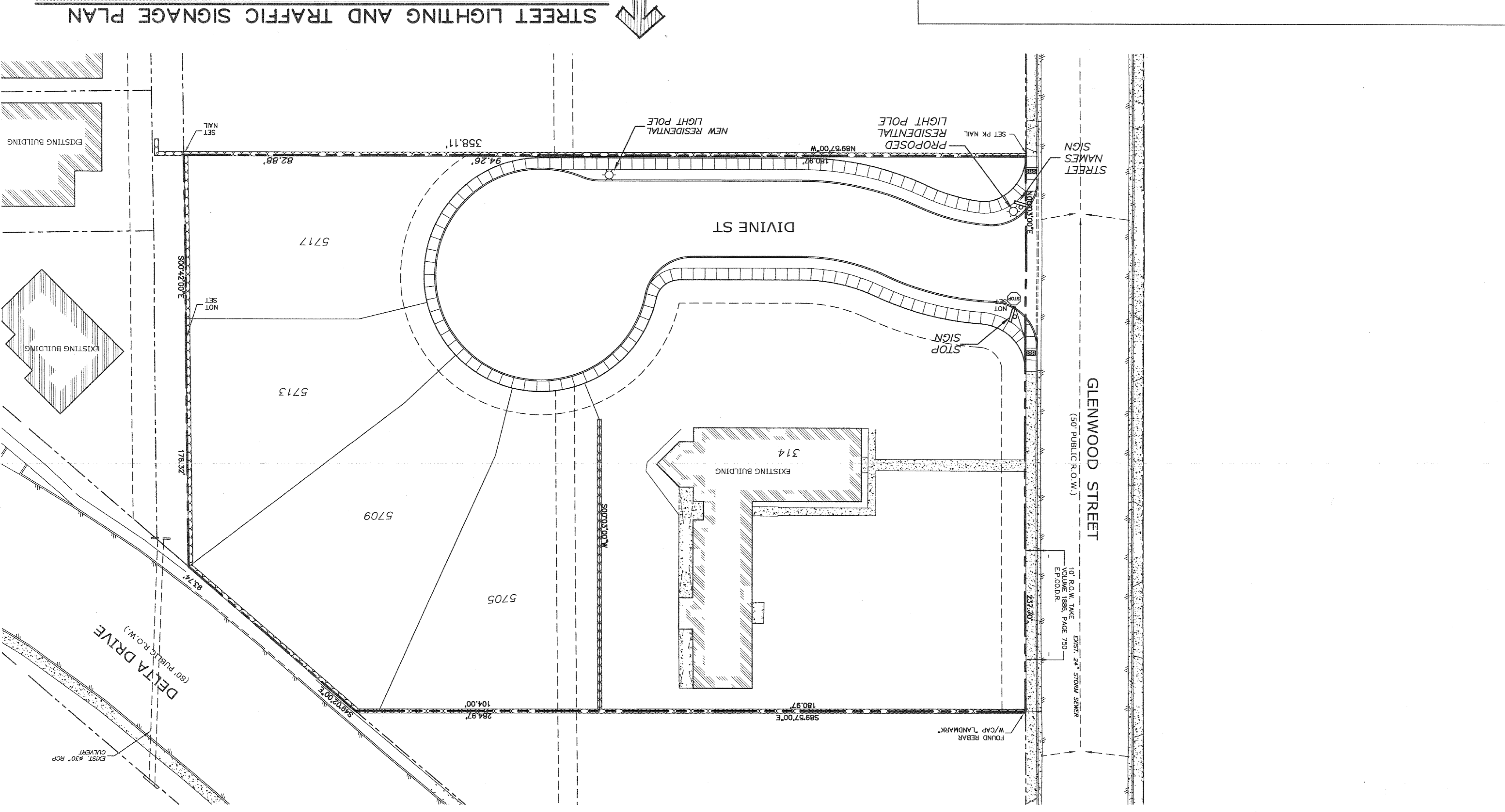
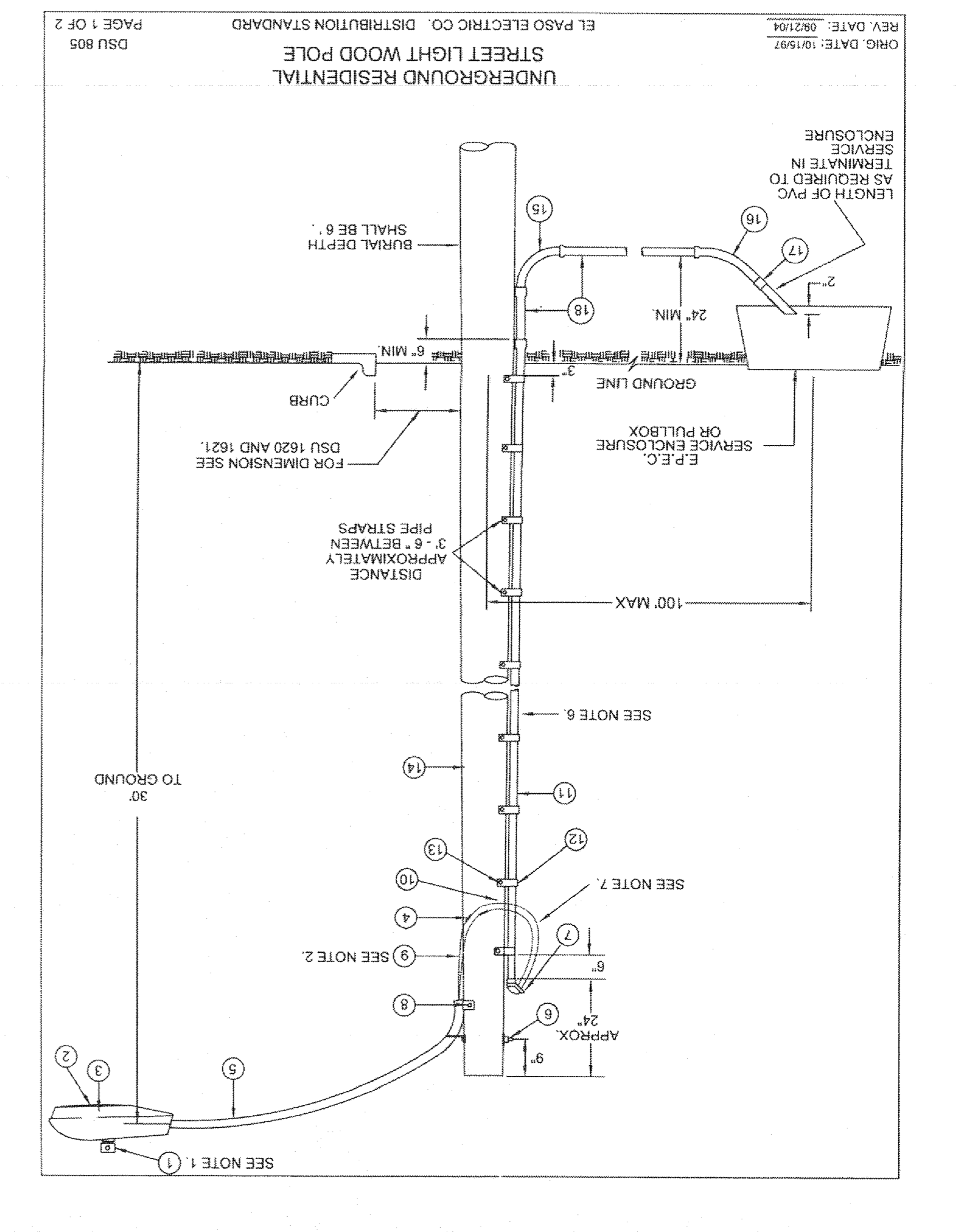


ITEM No.	DESCRIPTION	STOCK/DSU No.	QTY.	CU	Code	MACRO Code
1	PHOTO CELL, 240 V. - SEE NOTE 1	21-225	1		LCOBRAHD	
2	HPS LAMP, 100W	21-085	1		LCOBRAHD	
3	LUMINAIRE, 100W H.P.S.	21-335	1		LCOBRAHD	
4	SLEEVES #12-10	05-140	2		LRLV1210	
5	MAST ARM, 6" x 1 1/4"	21-200	1		LBRKT18	
6	SQUARE GALV. WASHER, 2 1/4" x 2 1/4"	02-760	1		LMB5/812	LCOBRAUG
	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		L5VCCAP1	
8	LAG BOLT, 3/8" x 3"	02-343	2		LAG3/8-3	
9	CABLE #10, 2 CONDUCTOR, 600V UF	13-600	2		LCG#10S	
10	COPPER CABLE #12 SOLID, 600V, BLUE	13-702	1		LC#12CU	
11	SCHEDULE 80 1" PVC CONDUIT	17-280	30'		LSC#801	
12	PIPE STRAP FOR 1" PVC CONDUIT, 2-HOLE	17-283	9		LPGSTRP	
13	NAIL, STAINLESS STEEL, SCREW 2.5 IN.	14-427	25#		LNAL14-2	
14	POLE, 35 FT. - CLASS 4	09-035	1		L354UG	
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	17-299	17-299	AS REQ.	LPVC1	

**NOTES:**

- 1 MOUNT SO THAT PHOTO CELL IS FACING NORTH
- ITEM # 9 SHALL NOT BE SPLICED INSIDE ITEM # 5
- INSTALLATION MUST COMPLY WITH LOCAL CODE REQUIREMENTS
- FOR ANY CLARIFICATION, EXCEPTIONS OR QUESTIONS REGARDING THIS STANDARD, CALL THE EL PASO ELECTRIC COMPANY DISTRIBUTION DESIGN DEPARTMENT
- 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.
- THE CONDUIT RISER SHALL BE INSTALLED ON THE BACK OF THE WOOD POLE (AWAY FROM THE STREET BELOW THE WEATHER HEAD).
- THE WIRE LEADS FROM THE WEATHER HEAD TO THE MAST ARM SHALL HAVE A MINIMUM 4" DRIP LOOP

REV. DATE: 10/15/97  
 EL PASO ELECTRIC CO. DISTRIBUTION STANDARD  
 DSU 805  
 PAGE 2 OF 2



**NOTE:**  
 ALL ROADWAYS INTERSECTING EXISTING PUBLIC ROADWAYS SHALL REMAIN COMPLETELY CLOSED FOR PUBLIC USE UNTIL ACCEPTED FOR MAINTENANCE BY THE CITY.

**LEGEND**

▲ PROPOSED RESIDENTIAL STREET LIGHT POLE

□ 30' STS. NEW STOP SIGN (PER CITY OF EL PASO TRAFFIC DEPARTMENT STANDARDS)

□ 9" SNS. STREET NAME SIGNS (PER CITY OF EL PASO TRAFFIC DEPARTMENT STANDARDS)

**REVIEWED**  
 CITY DEVELOPMENT DEPARTMENT

**SITEMARK**  
 ENGINEERING DEPARTMENT  
 444 EXCLUSIVE GARDEN, SUITE 134 - EL PASO, TX - 79902  
 PHONE (915) 351-8033 - FAX (915) 351-8035

**ISSUED FOR PURPOSE:** CITY APPROVAL  
**ISSUED DATE:** 12/05/07  
**SCALE:** SHOWN

**PROJECT NAME:** DELTA DIVINE SUBDIVISION  
 A PORTION OF LOTS 20 AND 21, BLOCK 6, ALAMEDA ADRES. CONT. OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING 31.159-ACRES

**REVISIONS**

NO.	DATE	DESCRIPTION
1	12/15/07	CITY COMMENTS
2	2/18/08	CITY COMMENTS
3		

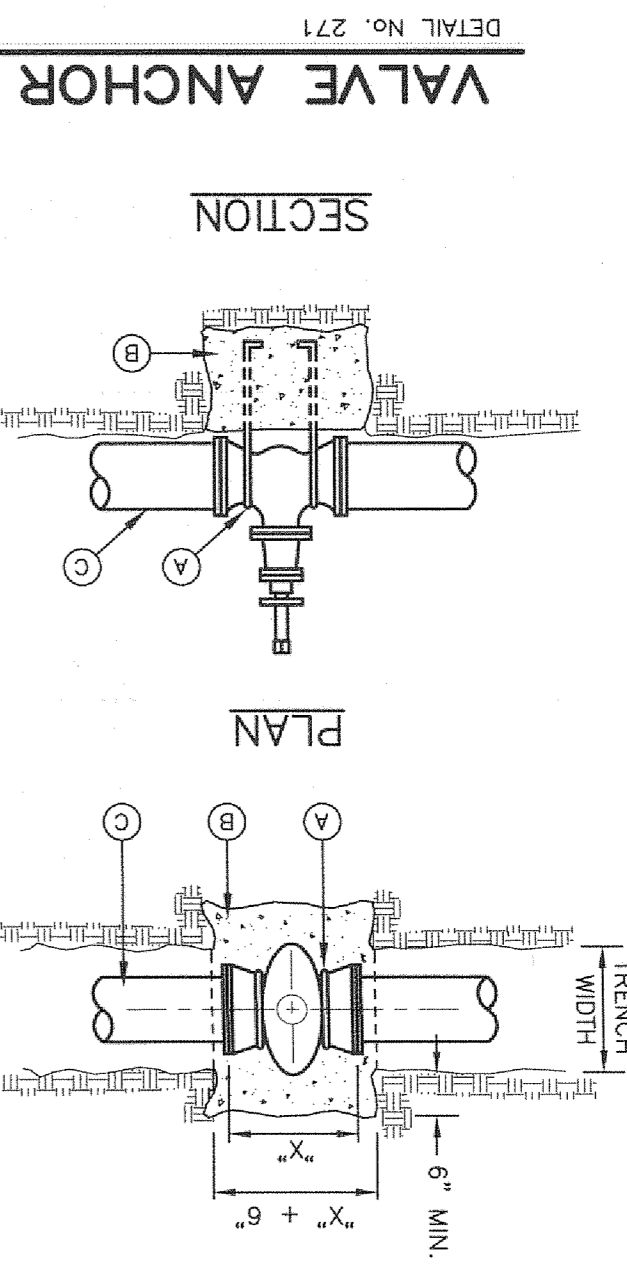
**REFERENCE BENCHMARK:**  
 EXISTING CITY MONUMENT FOUND AT THE INTERSECTION OF DELTA DRIVE AND GLENWOOD STREET  
 ELEVATION: 3858.84 CITY DATUM

**SHEET No. C-6**  
 SHEET TITLE: STREET LIGHTING PLAN  
 SHEET 6 OF 10





THIS PLAN AND SPECIFICATIONS ARE TO BE USED IN CONJUNCTION WITH THE CITY OF PASADENA STANDARD SPECIFICATIONS FOR ROAD AND UTILITY CONSTRUCTION, LATEST EDITION. ANY CHANGES TO THESE SPECIFICATIONS SHALL BE INDICATED BY A REVISION TO THE SET OF CONTRACT DOCUMENTS. THE ENGINEER'S RESPONSIBILITY IS LIMITED TO THE DESIGN AND CONSTRUCTION OF THE PROJECT DESCRIBED HEREON. THE ENGINEER DOES NOT GUARANTEE THE ACCURACY OF THE INFORMATION PROVIDED HEREON. THE ENGINEER DOES NOT GUARANTEE THE ACCURACY OF THE INFORMATION PROVIDED HEREON. THE ENGINEER DOES NOT GUARANTEE THE ACCURACY OF THE INFORMATION PROVIDED HEREON.



DETAIL No. 271  
NOT TO SCALE

**CONSTRUCTION KEY NOTES:**

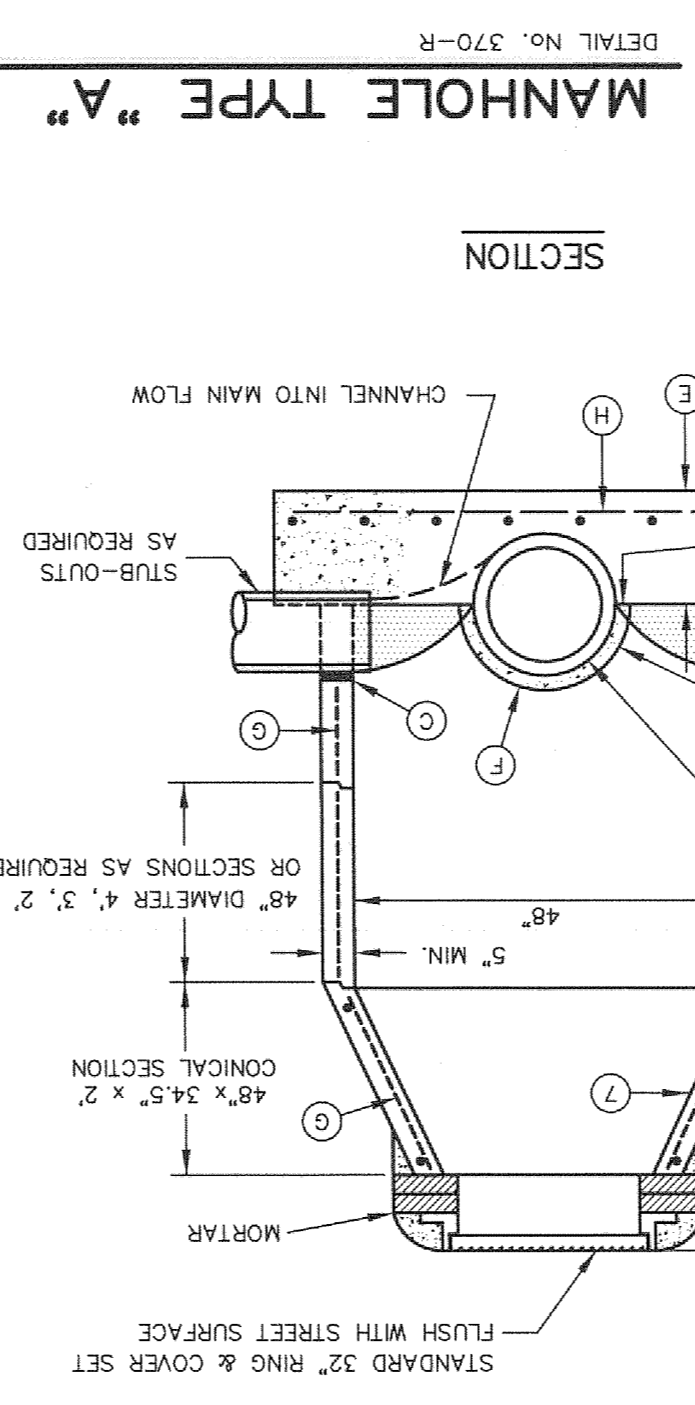
- TWO NOS. REBAR HAIR PINS. PAINT UNBLENDED TAR EPOXY.
- CONCRETE VALVE SUPPORT, 2500 PSI. CONCRETE.
- APPROVED PIPE.

**GENERAL NOTES:**

- THE ENGINEER SHALL PROVIDE DESIGN FOR ALL VALVES GREATER THAN 12".
- COMPLY WITH REQUIREMENTS OF AWWA C-550. PROTECTIVE EPOXY INTERIOR COATINGS FOR VALVES.

**CONSTRUCTION KEY NOTES:**

- TWO NOS. REBAR HAIR PINS. PAINT UNBLENDED TAR EPOXY.
- CONCRETE VALVE SUPPORT, 2500 PSI. CONCRETE.
- APPROVED PIPE.



DETAIL No. 370-R  
NOT TO SCALE

**MANHOLE TYPE "A"**

**GENERAL NOTES:**

- STANDARD MANHOLE TYPE "A" SHALL BE USED FOR LINES 24" AND SMALLER.
- CONCRETE CONFORMING TO ASTM SPECIFICATION C 478. CEMENT SHALL BE TYPE V (SULPHATE RESISTING).
- PRE-CAST MANHOLE SECTIONS SHALL BE OR REINFORCED. THE BASE SHALL BE TYPE V (SULPHATE RESISTING).
- ALL JOINTS TO BE TONGUE, GROOVE AND SEALED WITH RAM-SEK OR EQUAL.
- TOPS OF MANHOLES SHALL BE FLUSH WITH ROADWAY SURFACE OR FINISHED GRADE UNLESS OTHERWISE SPECIFIED BY THE ENGINEER.
- MANUFACTURER TO PROVIDE LIFTERS OF ADEQUATE SIZE TO PROTECT AGAINST HYDROGEN SULFIDE DEGRADATION.
- COAT INTERIOR WITH HYDROESTER OR APPROVED EQUAL AS NEEDED.
- MANHOLESELS BELOW GROUNDWATER TO BE EXTERNALLY COATED WITH BITUMINOUS COATING.
- TO 95% DENSITY IN ACCORDANCE WITH ASTM D-1557.
- THE SUBGRADE UNDER THE BASE SHALL BE COMPACTED. COMPRESSION TYPE FLEXIBLE RISERS SHALL HAVE PIPE OPENINGS IN MANHOLES RISERS SHALL HAVE COMPRESSOR TYPE FLEXIBLE PIPE TO MANHOLE CONNECTIONS (ASTM-923) "KOR-N-SEAL" OR EQUAL.
- ON MAINLINE M.H.'s PIPE IS TO BE LAID THRU AND UPPER 1/2 CUT OUT.
- REINFORCING SHALL MEET ASTM C-478 AND TRAFFIC LOADING (HS-20).
- NO. 4 REBAR'S Ø" ON CENTER, BOTH WAYS.
- MAY BE POURED MONOLITH WITH BASE.

**CONSTRUCTION KEY NOTES:**

- MANHOLES BELOW GROUNDWATER TO BE EXTERNALLY COATED WITH BITUMINOUS COATING.
- TO 95% DENSITY IN ACCORDANCE WITH ASTM D-1557.
- THE SUBGRADE UNDER THE BASE SHALL BE COMPACTED. COMPRESSION TYPE FLEXIBLE RISERS SHALL HAVE PIPE OPENINGS IN MANHOLES RISERS SHALL HAVE COMPRESSOR TYPE FLEXIBLE PIPE TO MANHOLE CONNECTIONS (ASTM-923) "KOR-N-SEAL" OR EQUAL.
- ON MAINLINE M.H.'s PIPE IS TO BE LAID THRU AND UPPER 1/2 CUT OUT.
- REINFORCING SHALL MEET ASTM C-478 AND TRAFFIC LOADING (HS-20).
- NO. 4 REBAR'S Ø" ON CENTER, BOTH WAYS.
- MAY BE POURED MONOLITH WITH BASE.

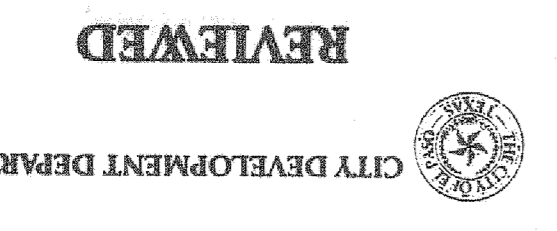
STATION	PROP. M.H.	PROP. M.H.	PROP. M.H.	PROP. M.H.	PROP. M.H.
3685	STA. 2+137 PROP. M.H.	3679.94	3680	3675	
3680	3679.20	3679.57	3679.20	3679.20	3675
3685	STA. 0+00 PROP. M.H. NEW STORM SEWER UNION BOX STA. 0+16 PROP. M.H.				

**SEWER NOTES:**

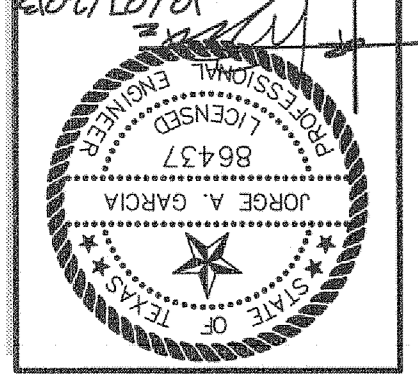
- CONTACT UTILITY COMPANIES FOR EXACT LOCATION OF AND UNDERGROUND UTILITIES IN THIS AREA BEFORE EXCAVATION.
- INSTALL A TRENCH SAFETY SYSTEM TO PROVIDE FOR THE SAFE EXCAVATION OF ALL TRENCHES EXCEEDING A DEPTH OF FIVE (5) FEET AS PER O.S.H.A. REQUIREMENTS.
- ALL SANITARY SEWER PVC PIPE SHALL MEET REQUIREMENTS FITTINGS, TAPPING SPECS, TEES, BENDS, PLUGS AND ALL MATERIAL AROUND.
- PROVIDE ADEQUATE CONCRETE THRUST BLOCKING AT THE CONNECTIONS TO MANHOLE. REFER TO STANDARD DETAILS.
- INSTALL 4" DIAMETER SEWER SERVICE LATERALS TO EACH BEYOND BACK OF CURB. REFER TO STANDARD DETAILS.
- MAINTAIN A MINIMUM HORIZONTAL SEPARATION DISTANCE OF 10 FEET BETWEEN ALL WATER AND SEWER LINES. VARIATIONS TO THIS MINIMUM MUST BE IN STRICT ACCORDANCE WITH TRAC (REQUIREMENTS).
- REFER TO STREET PLAN AND PROFILE SHEETS IN THE SUBDIVISION IMPROVEMENT PLANS FOR ADDITIONAL DETAIL ON STREET LAYOUT AND CONTROL.

**WATER NOTES:**

- CONTACT UTILITY COMPANIES FOR EXACT LOCATION OF AND UNDERGROUND UTILITIES IN THIS AREA BEFORE EXCAVATION.
- INSTALL A TRENCH SAFETY SYSTEM TO PROVIDE FOR THE SAFE EXCAVATION OF ALL TRENCHES EXCEEDING A DEPTH OF FIVE (5) FEET AS PER O.S.H.A. REQUIREMENTS.
- ALL SANITARY SEWER PVC PIPE SHALL MEET REQUIREMENTS FITTINGS, TAPPING SPECS, TEES, BENDS, PLUGS AND ALL MATERIAL AROUND.
- PROVIDE ADEQUATE CONCRETE THRUST BLOCKING AT THE CONNECTIONS TO MANHOLE. REFER TO STANDARD DETAILS.
- INSTALL 4" DIAMETER SEWER SERVICE LATERALS TO EACH BEYOND BACK OF CURB. REFER TO STANDARD DETAILS.
- MAINTAIN A MINIMUM HORIZONTAL SEPARATION DISTANCE OF 10 FEET BETWEEN ALL WATER AND SEWER LINES. VARIATIONS TO THIS MINIMUM MUST BE IN STRICT ACCORDANCE WITH TRAC (REQUIREMENTS).
- REFER TO STREET PLAN AND PROFILE SHEETS IN THE SUBDIVISION IMPROVEMENT PLANS FOR ADDITIONAL DETAIL ON STREET LAYOUT AND CONTROL.



WATER & SEWER PLAN  
SHEET TITLE  
U-1  
SHEET No. 8 of 10



PREPARED BY:

**SITEMORK**

444 EXECUTIVE CENTER, SUITE 111 - EL PASO, TX 79902  
PHONE (915) 351-8033 - FAX (915) 351-8055

**CITY APPROVAL**

ISSUED DATE: 12057  
SCALE: SHOWN

PROJECT NAME:

**DIVINE DELTA SUBDIVISION**

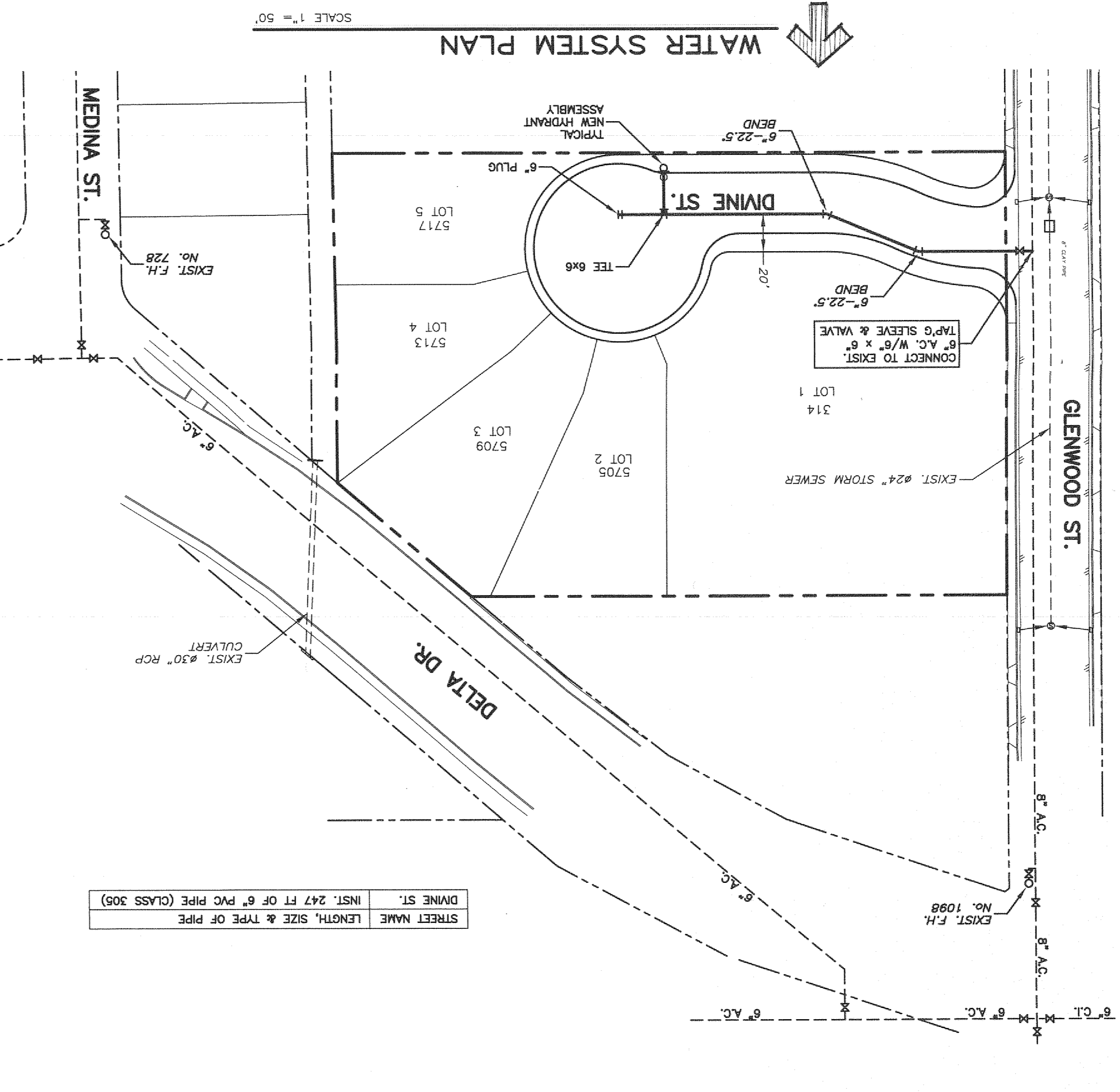
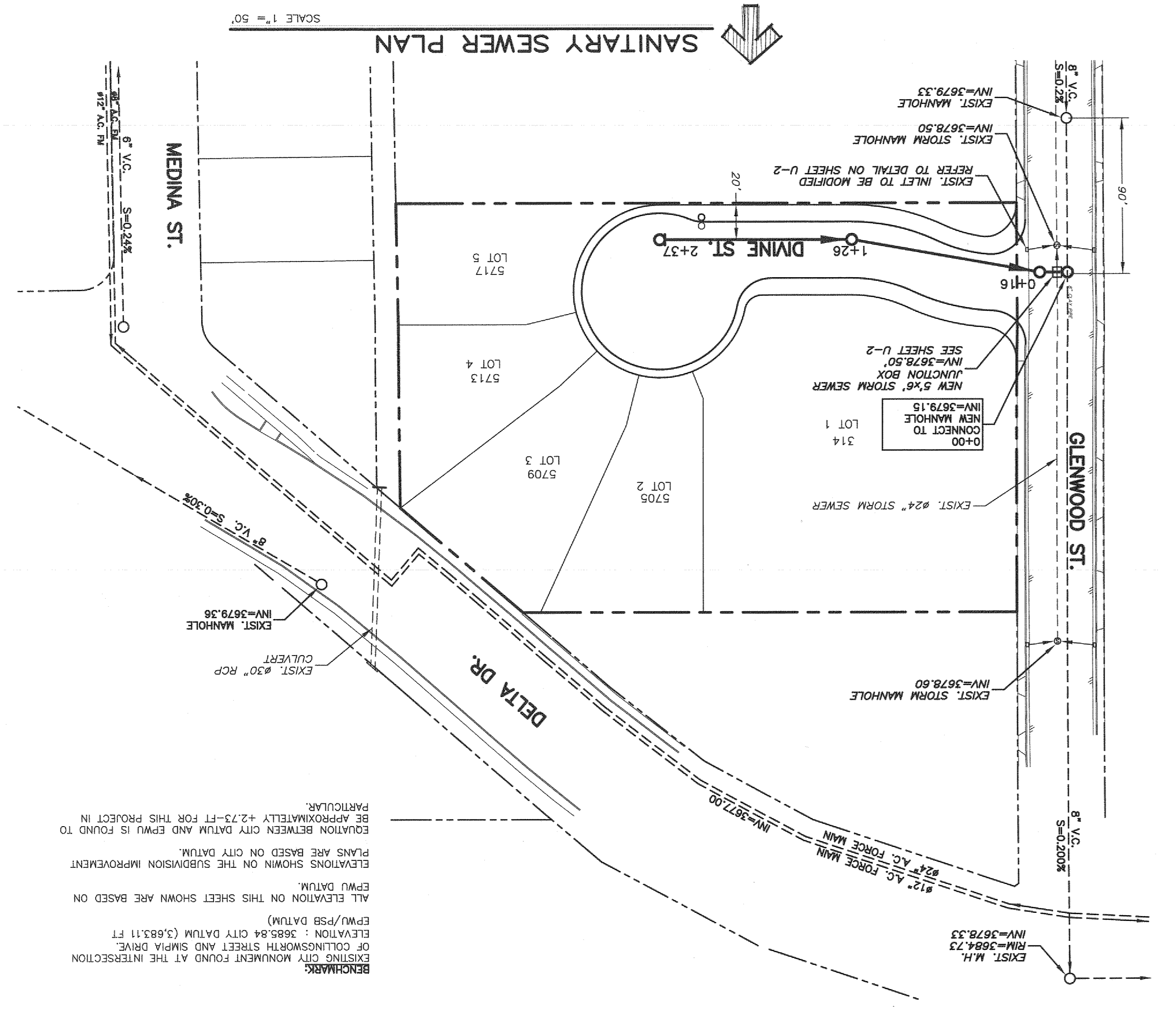
A PORTION OF LOTS 20 AND 21, BLOCK 6,  
ALAMEDA ACRES  
EL PASO COUNTY, TEXAS CONTAINING 11.99+ ACRES

REVISIONS:

NO.	DATE	DESCRIPTION
1	07/11/12	ISSUED FOR PERMITS
2		
3		

REFERENCE BENCHMARK:  
ENGINEERING MONUMENT FOUND AT THE INTERSECTION OF COLLINGSWORTH STREET AND SIMPFA DRIVE.  
ELEVATION: 3685.84 CITY DATUM

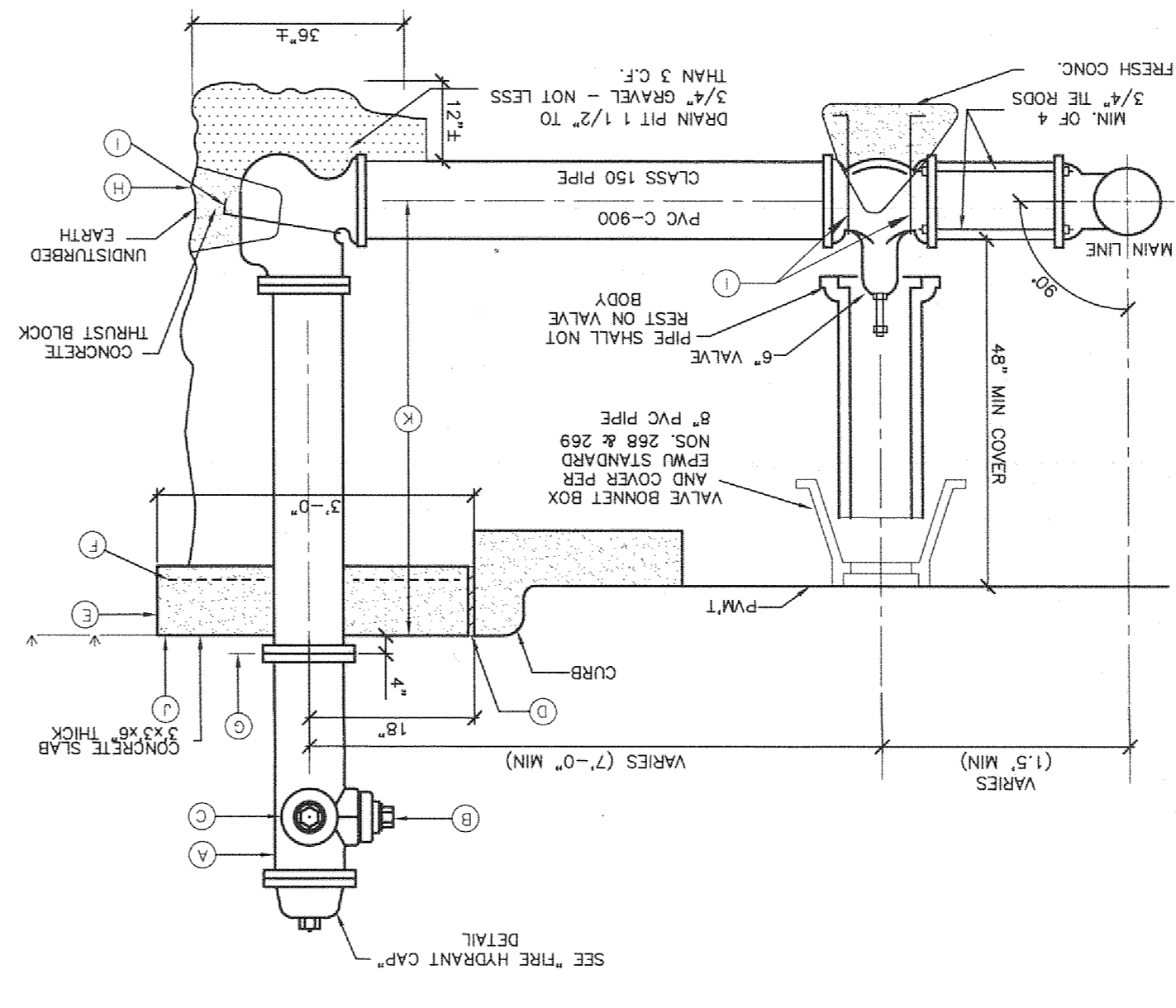
**BENCHMARK:**  
ENGINEERING MONUMENT FOUND AT THE INTERSECTION OF COLLINGSWORTH STREET AND SIMPFA DRIVE.  
ELEVATION: 3685.84 CITY DATUM (3.6831 FT  
EPWU/P59 DATUM)  
ALL ELEVATION ON THIS SHEET SHOWN ARE BASED ON EPWU DATUM.  
ELEVATIONS SHOWN ON THE SUBDIVISION IMPROVEMENT PLANS ARE BASED ON CITY DATUM.  
BE APPROXIMATELY +2.73-FT FOR THIS PROJECT IN ELEVATION BETWEEN CITY DATUM AND EPWU IS FOUND TO PARTICULAR.



STREET NAME	LENGTH, SIZE & TYPE OF PIPE
DIVINE ST.	INST. 247 FT OF 6" PVC PIPE (CLASS 305)

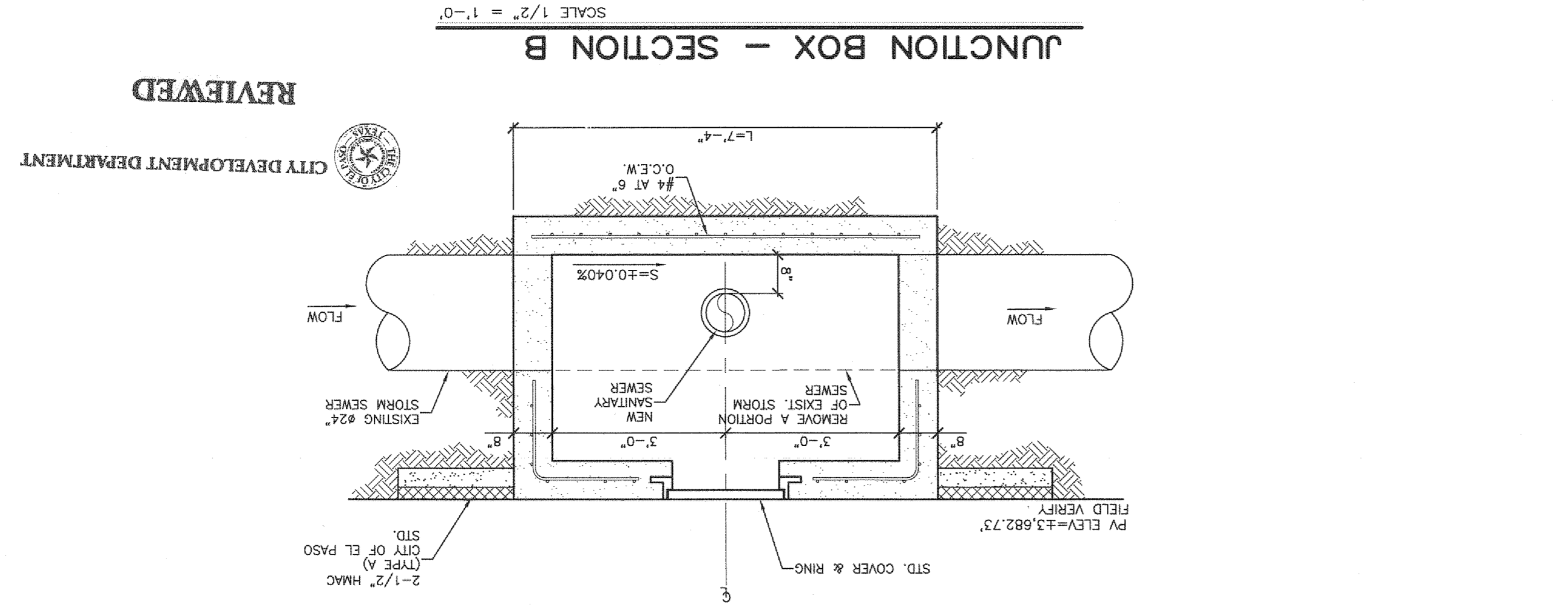
The Engineer, architect, interior designer, landscape architect, or other professional shall be responsible for the design and construction of the project. The contractor shall be responsible for the construction of the project. The contractor shall be responsible for the construction of the project.

- CONSTRUCTION NOTES:**
- A. FIRE HYDRANT SHALL BE DRY BARREL TYPE, COMPLYING WITH AMMA C-502 AND SHALL HAVE PROTECTIVE EPOXY INTERIOR COATINGS COMPLYING WITH AMMA C-550.
  - B. PUMPER NOZZLE 4 1/2", FACING TRAVELED WAY.
  - C. HOSE NOZZLE 2 1/2".
  - D. 1/2" PREMOLOD EXPANSION JOINT WITH 1" TOP FILLER.
  - E. 3'x3'x6" CONCRETE SQUARE PAD, TO BE CONSTRUCTED AROUND FIRE HYDRANT'S CENTER LINE WHEN NOT LOCATED WITHIN SIDEWALK OR CONCRETE AREA.
  - F. #10; 6/8 W/F.
  - G. CONTROLLED ELEV. LINE, LEVEL IN ALL DIRECTIONS.
  - H. CONCRETE THRUST BLOCK, APPROXIMATELY 2'x2'x3" TO BE POURED AGAINST UNDISTURBED EARTH, F.H. WEEP HOLE MUST BE UNOBSTRUCTED WITH 2 COATS OF COAL TAR EPOXY.
  - I. 2"x1/4" STEEL ANCHOR PINS. PAINT UNEMBEDDED PORTION OF BARS.
  - J. TOP OF SLAB SHALL BE AT CURB LEVEL 4" BELOW THE BREAK LINE OF THE HYDRANT.
  - K. CONTRACTOR SHALL PROVIDE ADDITIONAL SPOOLS IF NEEDED TO MAINTAIN THE 4" MINIMUM CLEARANCE FROM THE CONTROLLED ELEV. LINE TO TOP OF SLAB.
  - L. FIRE HYDRANT SHALL COMPLY WITH EL PASO PSB STANDARDS. ACCEPTABLE MANUFACTURERS AND MODELS INCLUDE: KENNEDY GUARDIAN K71A, MUELLER CENTURION, CLOW MEDALLION, AMERICAN GUARDIAN AND US PIPE METROPOLITAN 250.
- GENERAL NOTES:**
- 1. NO OBSTRUCTIONS WILL BE PERMITTED WITHIN 3 FT. OF FIRE HYDRANT.
  - 2. CONTRACTOR SHALL BE RESPONSIBLE FOR SETTING TOP FLANGE OF FIRE HYDRANT TO THE CONTROLLED ELEVATION LINE.
  - 3. 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.
  - 4. PUMPER NOZZLE TO BE SET FROM THE TRAVELED WAY, UNLESS OTHERWISE NOTED ON PLANS.
  - 5. 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 THE ROOS.

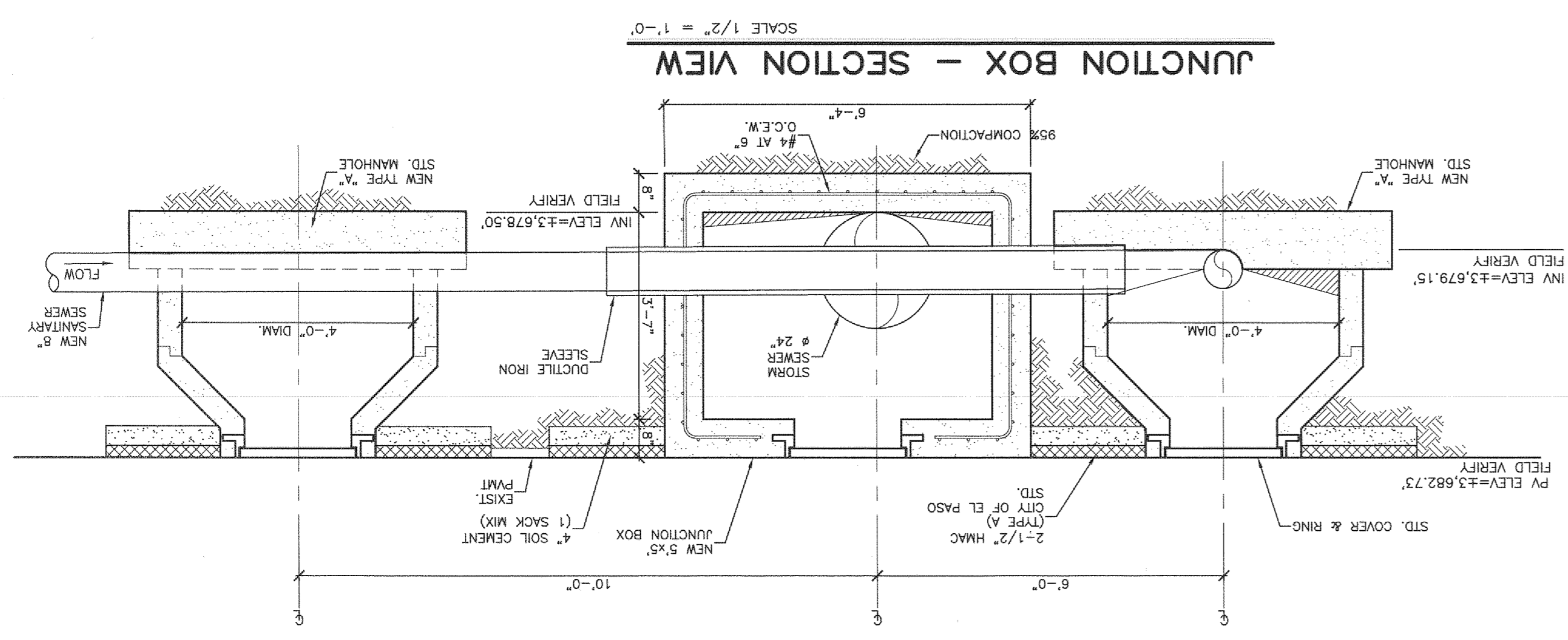


**FIRE HYDRANT DETAIL TYPICAL INSTALLATION**  
SCALE 1/2" = 1'-0"

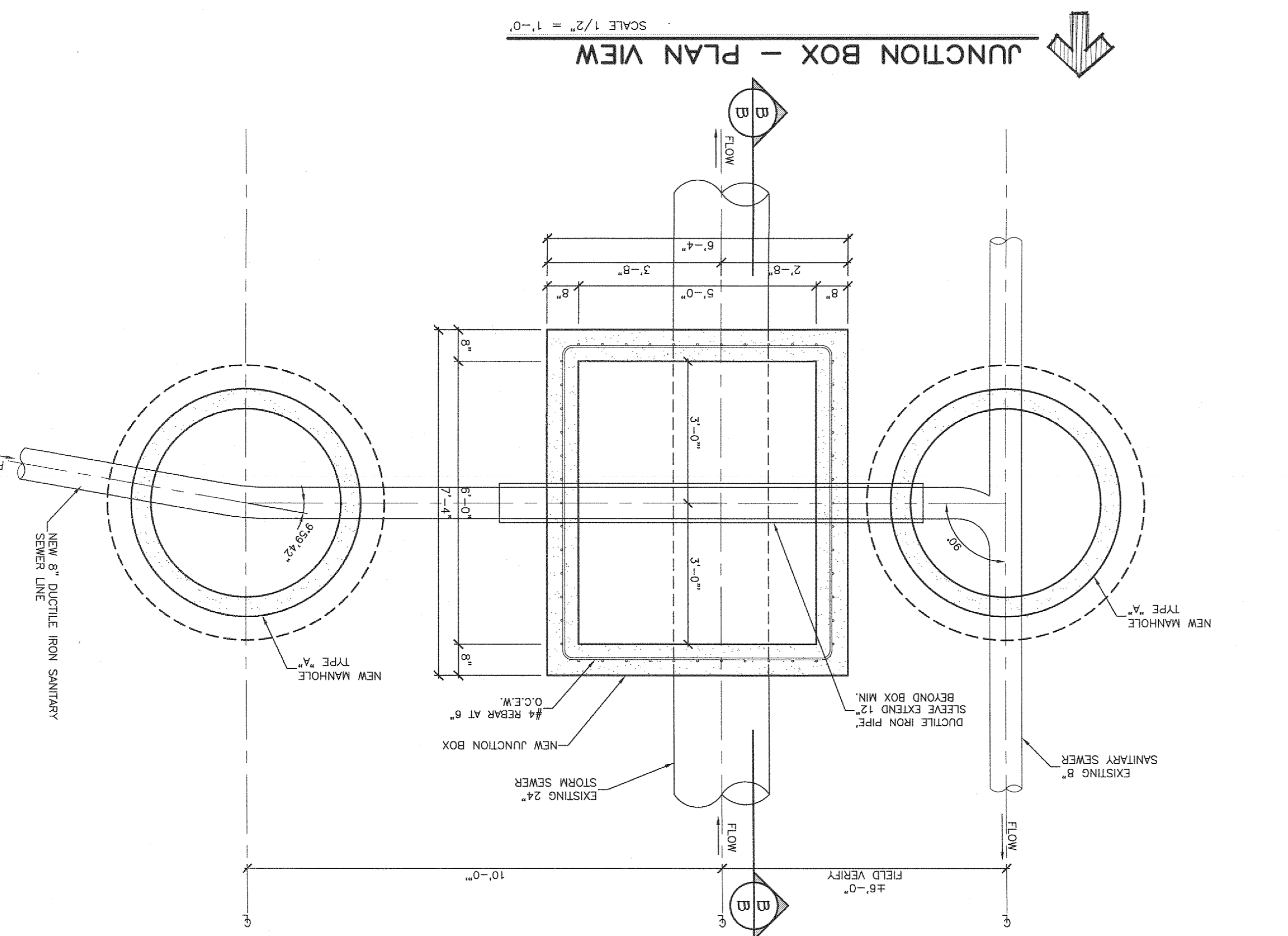
**BENCHMARK:**  
EXISTING CITY MONUMENT FOUND AT THE INTERSECTION OF COLLINGSWORTH STREET AND SIMPA DRIVE.  
ELEVATION: 3685.84 CITY DATUM (3.683.11 FT EPM)/PSB DATUM.ALL ELEVATIONS ON THIS SHEET SHOWN ARE BASED ON EPMU DATUM.  
ELEVATIONS SHOWN ON THE SUBMISSION IMPROVEMENT PLANS ARE BASED ON CITY DATUM.  
EQUATION BETWEEN CITY DATUM AND EPMU IS FOUND TO BE APPROXIMATELY +2.73-FT FOR THIS PROJECT IN PARTICULAR.



**JUNCTION BOX - SECTION B**  
SCALE 1/2" = 1'-0"

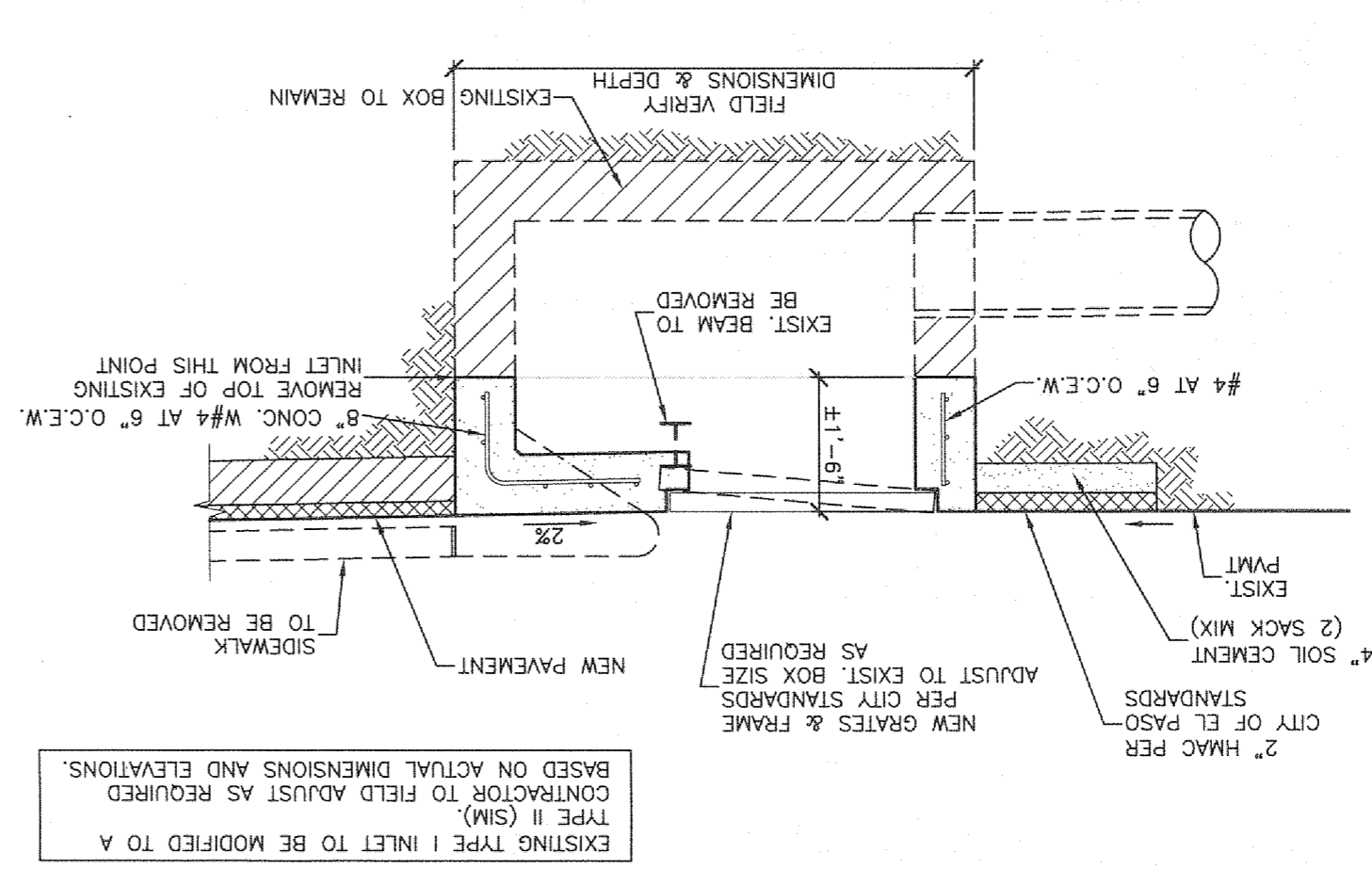


**JUNCTION BOX - SECTION VIEW**  
SCALE 1/2" = 1'-0"



**JUNCTION BOX - PLAN VIEW**  
SCALE 1/2" = 1'-0"

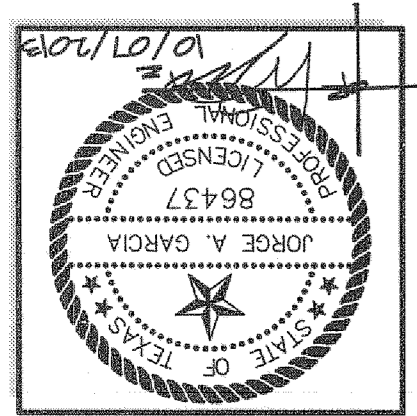
**INLET MODIFICATION DETAIL**  
SCALE 1/2" = 1'-0"



BASED ON ACTUAL DIMENSIONS AND ELEVATIONS.  
CONTRACTOR TO FIELD ADJUST AS REQUIRED.

**REVIEWED**  
CITY DEVELOPMENT DEPARTMENT

SHEET TITLE:  
**STORM SEWER MODIFICATIONS**  
U-2  
9 of 10



PREPARED BY:  
**SITENWORK**  
444 ENGINEERING CENTER, SUITE 100 - EL PASO, TEXAS - 79902  
PHONE: (915) 351-8033 - FAX: (915) 351-8035

ISSUED DATE: 12/05/17  
SCALE: SHOWN  
CITY APPROVAL:

PROJECT NAME:  
**DIVINE DELTA SUBDIVISION**  
A PORTION OF LOTS 20 AND 21, BLOCK 6, ALAMEDA ACRES OFF EL PASO, EL PASO COUNTY, TEXAS CONTAINING 21.99-ACRES

REFERENCE BENCHMARK:  
EXISTING CITY MONUMENT FOUND AT THE INTERSECTION OF COLLINGSWORTH STREET AND SIMPA DRIVE.  
ELEVATION: 3685.84 CITY DATUM

NO.	DATE	DESCRIPTION
1	07/13/17	CONTRACTOR'S REVIEW
2	07/13/17	CONTRACTOR'S REVIEW
3		

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**ENGINEERING DEPARTMENT**  
DESIGN STANDARDS  
FOR CONSTRUCTION

TITLE 19 - SUBDIVISION ORDINANCE

CONCRETE MANHOLE COVER FOR TYPE 72" MANHOLE

2-24

Approved By: R. A. SHUBERT  
Checked By: H. M. E.  
Date: JUNE 03, 2008  
Drawn By: CEC/L.J.R.

**GENERAL NOTES:**

1. ALL JOINTS TO BE TONGUE AND GROOVE AND SEALED WITH FOAM-NEP OR EQUAL.
2. MANUFACTURER TO PROVIDE LITERS OF ADEQUATE SIZE AS NEEDED.

**CONSTRUCTION KEY NOTES:**

- 4000 P.S.I. CONCRETE 28 DAYS.
- REINFORCING SHALL MEET A.S.T.M. C-498-87 AND TRAFFIC LOADING (HS-20).
- SIZE TO ACCOMMODATE TYPE 72" DIAMETER MANHOLE RING.

**OPTIONAL PLACEMENT OF ECCENTRIC (SHOWN) OR CONCENTRIC OR SHOWN**

**SECTION A-A**

**MANHOLE COVER FOR TYPE 72" MANHOLE**

**ENGINEERING DEPARTMENT**  
DESIGN STANDARDS  
FOR CONSTRUCTION

TITLE 19 - SUBDIVISION ORDINANCE

CONCRETE PIPE COLLAR

2-25

Approved By: R. A. SHUBERT  
Checked By: H. M. E.  
Date: JUNE 03, 2008  
Drawn By: CEC/L.J.R.

**CONCRETE PIPE COLLAR**

1. A CONCRETE COLLAR IS REQUIRED WHERE PIPES CHANGE IN HORIZONTAL OR VERTICAL ALIGNMENT.
2. REINFORCE WITH W.W.M.

**SECTION A-A**

**ENGINEERING DEPARTMENT**  
DESIGN STANDARDS  
FOR CONSTRUCTION

TITLE 19 - SUBDIVISION ORDINANCE

MANHOLE RING

2-16

Approved By: R. A. SHUBERT  
Checked By: H. M. E.  
Date: JUNE 03, 2008  
Drawn By: CEC/L.J.R.

**TOP VIEW**

**SECTION A-A**

MANHOLE RING	48"	72"
WEIGHT	165 LBS.	225 LBS.
A	2'-0 1/2"	3'-6"
B	2'-1 1/4"	2'-8 3/4"
C	1'-10 1/2"	2'-6"
D	1'-11 7/8"	2'-7 3/8"

**NOTE:**

1. MATCHING SURFACES MARKED TO PREVENT A SNAKE FIT.
2. CASTING SURFACES SHOULD BE SMOOTH AND VOID OF AIR BUBBLES.

**ENGINEERING DEPARTMENT**  
DESIGN STANDARDS  
FOR CONSTRUCTION

TITLE 19 - SUBDIVISION ORDINANCE

MANHOLE COVER

2-17

Approved By: R. A. SHUBERT  
Checked By: H. M. E.  
Date: JUNE 03, 2008  
Drawn By: CEC/L.J.R.

**TOP VIEW**

**SECTION A-A**

MANHOLE COVER	48"	72"
WEIGHT	175 LBS.	310 LBS.
A	1'-11 3/4"	2'-7 1/4"
B	1'-8 5/8"	2'-4 1/8"
C	1'-2 3/8"	1'-9 7/8"
D	1'-2 3/8"	1'-3 5/8"

**GENERAL NOTES:**

1. MATCHING SURFACES MARKED "MF" TO BE MACHINE FINISHED OR ANY IRREGULARITIES THAT WOULD PREVENT A SNAKE FIT.
2. CASTING TO BE SMOOTH AND VOID OF AIR HOLES.

**ENGINEERING DEPARTMENT**  
DESIGN STANDARDS  
FOR CONSTRUCTION

TITLE 19 - SUBDIVISION ORDINANCE

DROPPLET TYPE II

2-31

Approved By: R. A. SHUBERT  
Checked By: H. M. E.  
Date: JUNE 03, 2008  
Drawn By: CEC/L.J.R.

**PLAN VIEW**

**SECTION A-A**

**DETAIL**

**SECTION B-B**

**ENGINEERING DEPARTMENT**  
DESIGN STANDARDS  
FOR CONSTRUCTION

TITLE 19 - SUBDIVISION ORDINANCE

72" DIAMETER PRECAST MANHOLE SECTIONS

2-22

Approved By: R. A. SHUBERT  
Checked By: H. M. E.  
Date: JUNE 03, 2008  
Drawn By: CEC/L.J.R.

**72" DIAMETER PRECAST MANHOLE SECTIONS**

**SECTION A-A**

SHEET TITLE:  
**STORM SEWER MODIFICATIONS**

SHEET No. **U-3**  
10 OF 10

CITY DEVELOPMENT DEPARTMENT

PREPARED BY:  
**SITENWORK**

444 ENGINEERING CENTER, SUITE 134 - EL PASO, TX - 79902  
PHONE: (915) 351-8033 - FAX: (915) 351-8055

ISSUED FOR:  
CITY APPROVAL

ISSUED DATE:  
12057

SCALE:  
SHOWN

PROJECT NAME:  
**DIVINE DELTA SUBDIVISION**

A PORTION OF LOTS 20 AND 21, BLOCK 6,  
A PART OF A TRACT OF LAND,  
EL PASO COUNTY, TEXAS CONTAINING 4.89-ADRES

REFERENCE BENCHMARK:  
EXISTING CITY MONUMENT FOUND AT THE INTERSECTION OF  
COLLINGSWORTH STREET AND SIMPA DRIVE  
ELEVATION: 3885.84 CITY DATUM

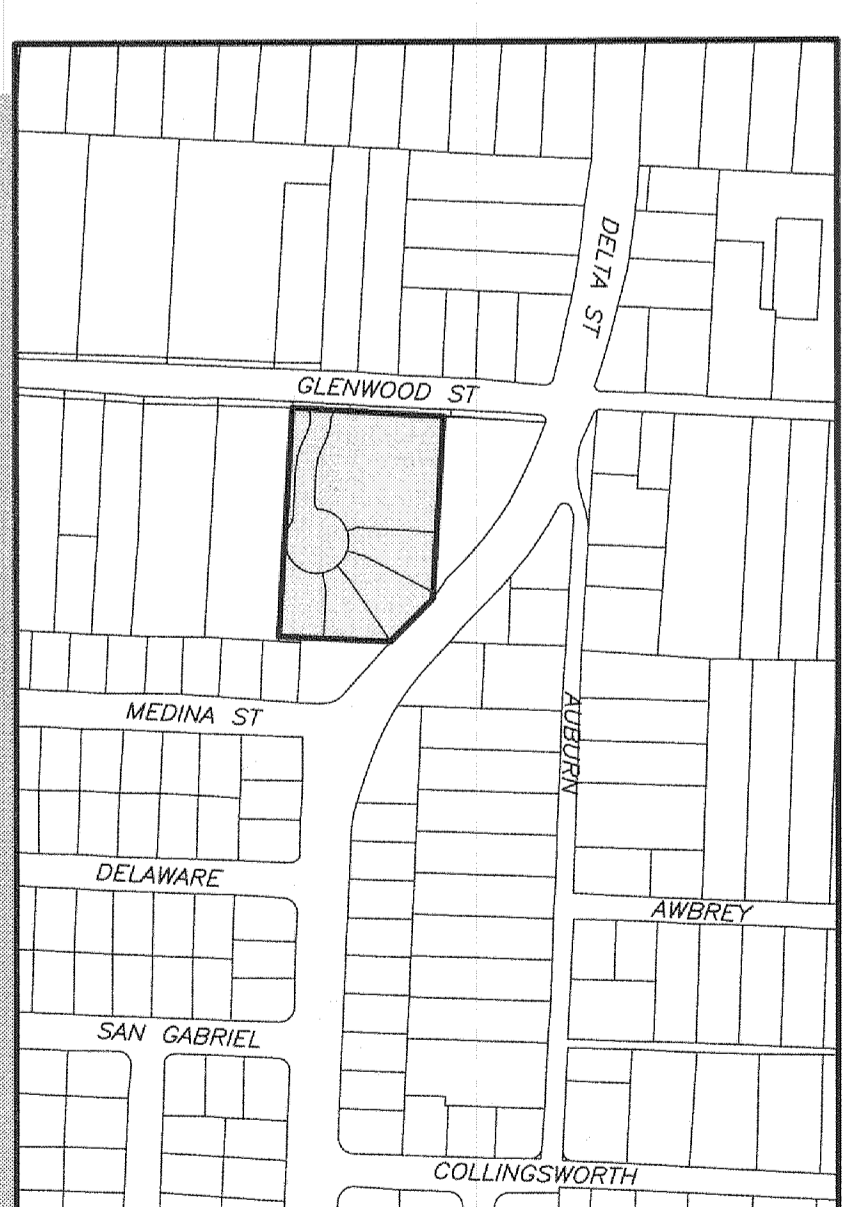
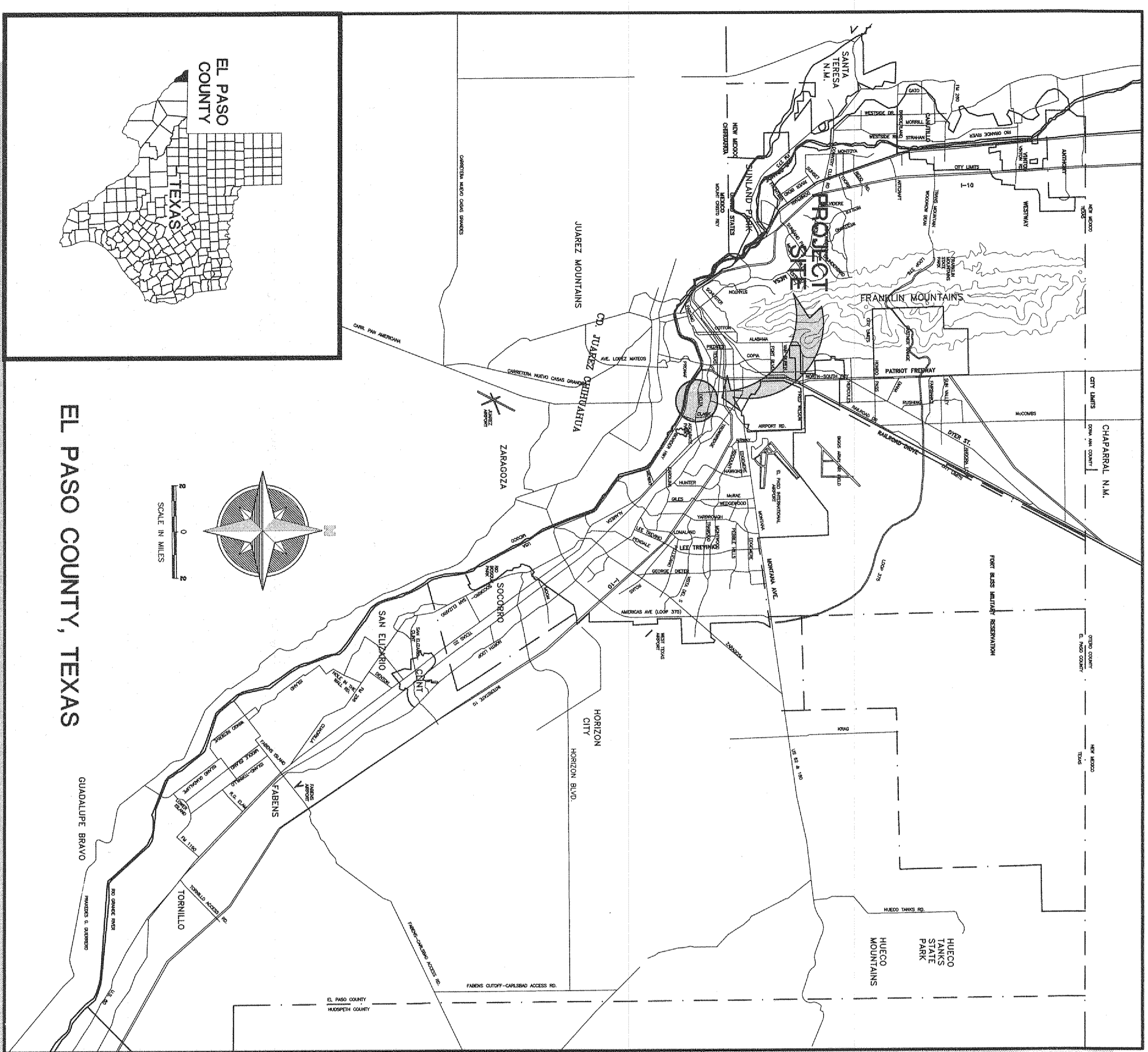
NO.	DATE	DESCRIPTION
1	07-13-08	ISSUED FOR PERMITS
2	07-13-08	REVISIONS
3	07-13-08	REVISIONS

REVIEWED

# DELTA DIVINE SUBDIVISION IMPROVEMENT PLANS

A PORTION OF LOTS 20 AND 21, BLOCK 6,  
ALAMEDA ACRES,  
CITY OF EL PASO, EL PASO COUNTY, TEXAS  
CONTAINING: ±1.8963-ACRES

## CITY MAP



## LOCATION MAP

SCALE: 1" = 300'

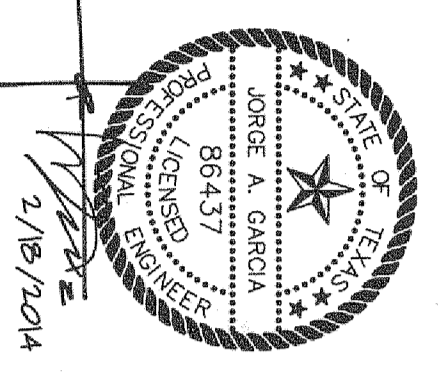
**CITY DEVELOPMENT DEPARTMENT**  
Reviewed For Conformance For Condition Related to:  
 Grading  
 Erosion Control  
 Stormwater Management  
 Street Lighting  
 Sanitary Sewer  
 Water Sewer  
 On Site Parking Layout  
 On Site Landscaping  
 Other: *See Schedule of Values Tables*

Companion Plans Call 74 Hours Prior To Construction for Inspection  
 By: *MARIE GUTIERREZ* Date: *3/05/14*

INDEX OF DRAWINGS	
1	SUBDIVISION PLAT PLAN
2	C-2 SITE DEMOLITION PLAN
3	C-3 GRADING AND DRAINAGE PLAN
4	C-4 DIVINE ST. PLAN AND PROFILE
5	C-5 SITE DETAILS
6	C-6 STREET LIGHTING PLAN
7	C-7 STORM WATER POLLUTION PREVENTION PLAN
8	U-1 WATER AND SANITARY SEWER SYSTEM
9	U-2 STORM SEWER DETAILS
10	U-3 STORM SEWER DETAILS

CIVIL ENGINEER

LAND SURVEYOR



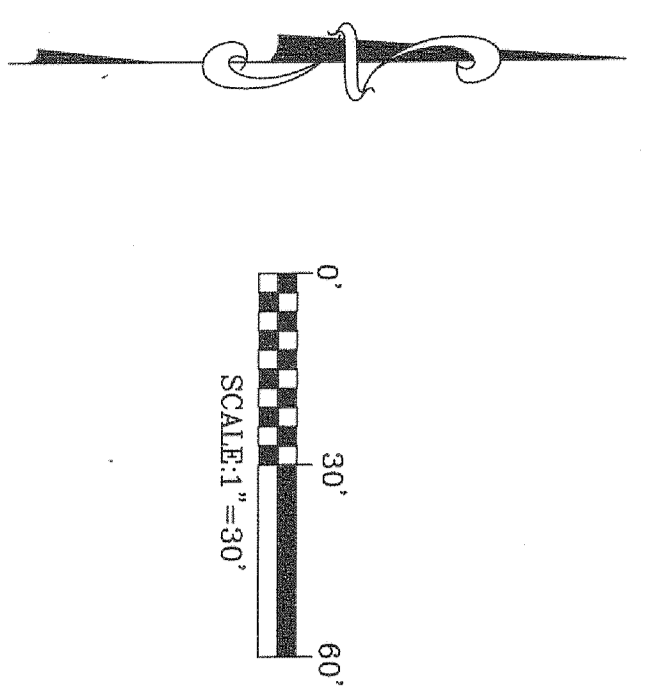
PREPARED BY:  
**SITEMORK**  
 ENGINEERING, INC.  
 444 EXECUTIVE CENTER, SUITE 114 - EL PASO, TX - 79902  
 PHONE (915) 581-8803 - FAX (915) 581-8855

OWNER:  
 EL DIVINO SALVADORE PRESBYTERIAN  
 314 CHURCH, INC.  
 314 GLENWOOD ST.  
 EL PASO, TEXAS, 79905

LAND SURVEYOR  
**PASO DEL NORTE SURVEYING INC.**  
 13998 BRADLEY ROAD, EL PASO, TEXAS 79938  
 PH. 915-241-1841  
 FAX 915-855-5925  
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# DELTA DIVINE SUBDIVISION

A PORTION OF LOTS 20 AND 21, BLOCK 6,  
ALAMEDA ACRES,  
CITY OF EL PASO, EL PASO COUNTY, TEXAS  
CONTAINING: 82,603 SQ.FT.  
OR 1.8963 ACRES

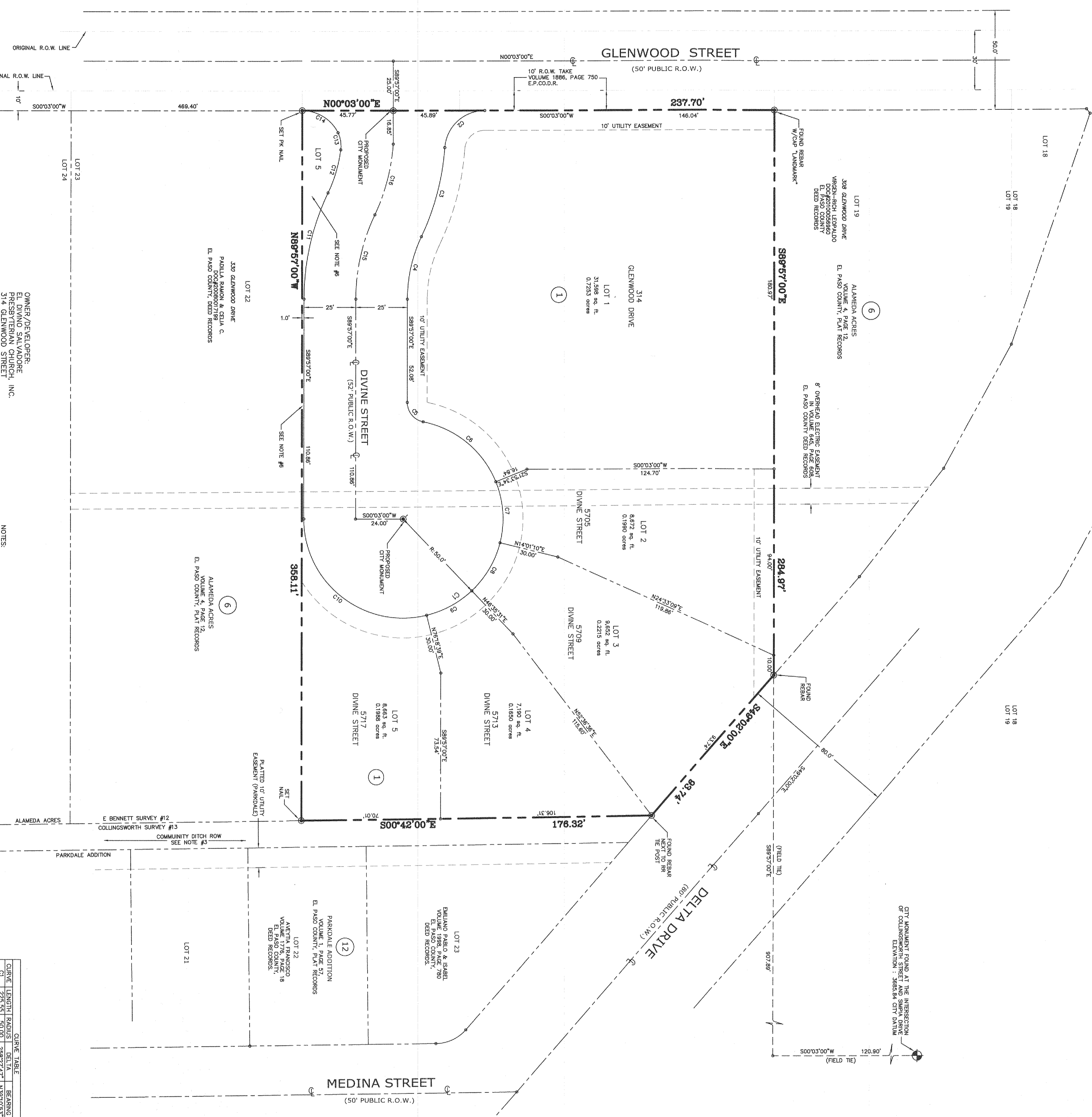


NOTES:  
RESTRICTION COVENANTS FOR THIS SUBDIVISION ARE FILED IN THE OFFICE OF THE COUNTY CLERK, DEED AND RECORD SECTION.  
INSTRUMENT No. \_\_\_\_\_ DATE \_\_\_\_\_  
TAX CERTIFICATE FOR THIS SUBDIVISION ARE FILED IN THE OFFICE OF THE COUNTY CLERK, DEED AND RECORD SECTION.  
INSTRUMENT No. \_\_\_\_\_ DATE \_\_\_\_\_  
POSTAL DELIVERY SERVICE WITHIN THE SUBDIVISION WILL BE PROVIDED USING NEIGHBORHOOD DELIVERY AND COLLECTION BOXES.  
WATER SUPPLY AND SEWAGE DISPOSAL IS BEING PROVIDED BY THE EL PASO WATER UTILITIES  
ALL STORM RUNOFF SHALL BE ADDRESSED WITHIN THE SUBDIVISION LIMITS. LOTS SHALL BE SUBJECT TO THE CITY OF EL PASO'S STORM WATER MANAGEMENT WITH ALL PROVISIONS OF SECTION 19 OF THE EL PASO MUNICIPAL CODE SHALL BE APPLICABLE.  
VEHICULAR ACCESS TO DELTA DRIVE IS PROHIBITED FROM LOTS 3 AND 4

SPECIAL PONDING NOTE FOR LOTS 2-5:  
ALL LOTS IN THE SUBDIVISION ARE SUBJECT TO ON-SITE PONDING. LOT OWNERS ARE RESPONSIBLE FOR MAINTAINING ADEQUATE PROVISIONS TO ACCOMMODATE ALL STORMWATER RUNOFF FROM THE LOTS. PONDING SHALL BE PROVIDED FOR EACH LOT. THE PONDING SHALL BE LOCATED WITHIN THE SUBDIVISION LIMITS AND SHALL BE SUBJECT TO THE CITY OF EL PASO'S STORM WATER MANAGEMENT WITH ALL PROVISIONS OF SECTION 19 OF THE EL PASO MUNICIPAL CODE SHALL BE APPLICABLE.  
WALLS CONSTRUCTED ADJUTING STREET RIGHT-OF-WAYS SHALL BE CONSTRUCTED WITH A MINIMUM HEIGHT OF 3 FEET AND SHALL BE SUBJECT TO THE CITY OF EL PASO'S STORM WATER MANAGEMENT WITH ALL PROVISIONS OF SECTION 19 OF THE EL PASO MUNICIPAL CODE SHALL BE APPLICABLE.  
ON-SITE PONDING AREAS SHALL HAVE MAXIMUM ONE (VERTICAL) TO THREE (HORIZONTAL) SIDE SLOPES AND A MAXIMUM DEPTH OF TWELVE (12) INCHES BASED ON A ONE HUNDRED YEAR STORM.  
PERMANENT ELEVATION MARKERS SHALL BE INSTALLED TO DEFINE THE LEVELS TO BE MAINTAINED TO ENSURE THE EFFECTIVENESS OF ON-SITE PONDING. PERMANENT ELEVATION MARKERS SHALL BE INSTALLED, CONSERVED, OR REPLACED WITHIN THE SUBDIVISION FROM THE CITY ENGINEER.  
THE CITY AND/OR ITS REPRESENTATIVE IS GRANTED PERMANENT RIGHT OF ACCESS TO INSPECT THE PONDING AREAS AND PERMANENT ELEVATION MARKERS, IS PROHIBITED.  
ON-SITE PONDING AREAS AND PERMANENT ELEVATION MARKERS SHALL BE CONSTRUCTED AND MAINTAINED TO THE SATISFACTION OF THE CITY ENGINEER.  
NO PERSON SHALL BE PERMITTED TO IMPAIR THE FUNCTIONALITY OF AN ON-SITE POND. NO MORE THAN FIFTY PERCENT (50%) OF THE AREA OF ANY RESIDENTIAL LOT CONNECTED BY A DRIVEWAY SHALL BE COVERED BY ANY STRUCTURE, INCLUDING BUT NOT LIMITED TO, SHEDS, GARAGES, PATIOS, DECKS OR LANDSCAPING UNDERLAD WITH PLASTER SHEETING OR OTHER IMPERMEABLE MATERIAL. IN THE EVENT THAT THE FUNCTIONALITY OF AN ON-SITE POND BECOMES IMPAIRED WHETHER CAUSED BY ANY STRUCTURE OR ANY OTHER CAUSE, THE IMPAIRED POND IS LOCATED AT THE FRONT OF THE LOT ON WHICH THE IMPAIRED POND IS LOCATED.  
ANY OWNER NOTIFIED IN WRITING BY THE CITY ENGINEER OF CORRECTIVE ACTIONS REQUIRED TO RESTORE THE FUNCTIONALITY OF AN ON-SITE POND OR DRAINAGE PROGRAM ON THE LOT, SHALL HAVE FORTY-FIVE (45) DAYS FROM THE DATE OF WRITING TO COMPLY WITH THE CITY ENGINEER'S WRITING. FAILURE TO COMPLY WITH THE CITY ENGINEER'S WRITING SHALL BE CAUSE FOR THE CITY ENGINEER TO TAKE NECESSARY ACTIONS TO RESTORE THE FUNCTIONALITY OF THE PONDING PROGRAM FOR THAT LOT.  
OWNER OF PROPERTY UTILIZING ON-SITE PONDING WAKES ANY CLAIM OR CAUSE OF ACTION AGAINST THE CITY, ENGINEER, OFFICIALS OR EMPLOYEES FOR ANY DEATH, INJURY OR PROPERTY DAMAGE, INCLUDING BUT NOT LIMITED TO, BODILY INJURY, PROPERTY DAMAGE OR CONSPIRACY TO VIOLATE ANY LAW, SHALL BE LIMITED TO THE CITY ENGINEER'S LIABILITY INSURANCE COVERAGE.  
THESE ON-SITE PONDING REQUIREMENTS SHALL BE ENFORCED BY NUISANCE RELIEF WITHOUT THE REQUIREMENT FOR HARM OR OTHER SECURITY.  
THE CONVEYANCE OF PROPERTY INCLUDING ON-SITE PONDING SHALL DECLARE IN CONSPICUOUS LANGUAGE IN THE DEED THAT THE PROPERTY IS SUBJECT TO ON-SITE PONDING REQUIREMENTS MAINTENANCE OF ELEVATION MARKERS STANDING WATER ON LOT AND REPAIRS AND ACCESS FOR INSPECTION AS STATED ON THE PLAN.

SCHOOL DISTRICT  
EL PASO INDEPENDENT SCHOOL DISTRICT

LOCATION MAP  
APPROX. SCALE: 1"=600'



OWNER/DEVELOPER:  
FRANCISCO SALVADORE  
13998 BRADLEY ROAD  
EL PASO, TEXAS 79905  
ENGINEERING AND PLANNING CONSULTATION BY:  
JOSUE A. GARCIA, P.E.  
SITEWORK ENGINEERING, LLC  
EL PASO, TX 79902  
(915) 351-8033  
PLAT PREPARED BY:  
PASO DEL NORTE SURVEYING, INC.  
13998 BRADLEY ROAD  
EL PASO, TEXAS 79905  
DATE OF PREPARATION: APRIL 10, 2013  
DATE OF REVISION: MAY 20, 2013

- NOTES:
- THE LOCATION OF EXISTING UTILITIES SHOWN HEREON ARE FROM CONSERVED EVIDENCE OF ABOVE GROUND APPROPRIATIONS ONLY. THE SURVEYOR WAS NOT RESPONSIBLE FOR VERIFYING THE EXACT LOCATION OF ANY SUBSURFACE UTILITIES PLANS TO DETERMINE THE EXACT LOCATION OF ANY SUBSURFACE UTILITIES.
  - BEFORE POSSIBLE IN THE AREA, CALL TEXAS ONE-CALL.
  - 1-800-546-6095 FOR FIELD LOCATIONS (REQUEST FOR GROUND MARKERS) OF UNDERGROUND UTILITY LINES.
  - COMMUNITY DITCH LYING IN COLLINGSWORTH SURVEY #13 AND SHOWN ON SUBDIVISION PLAN OF PARADOLE ADDITION UNIT 2, AND GLENWOOD PARK SUBDIVISION (FORMERLY A PART OF ALAMEDA ACRES).
  - THIS SURVEY WAS COMPLETED WITHOUT THE BENEFIT OF AN ABSTRACT OF TITLE.
  - THESE MAPS BE CONSIDERED, ON OTHER MATTERS, NOT SHOWN.
  - THIS PROPERTY LIES IN ZONE "C," AS DESIGNATED BY F.E.M.A., CITY OF EL PASO, OCTOBER 15, 1962. COMMUNITY PANEL NO. 48621N-0240 B.
  - AREA OF LOT 5 LYING WEST OF THE PLATTED 10' UTILITY EASEMENT IS SUBJECT TO THE SAME 10' UTILITY EASEMENT.

CORNER ELEVATION	CLOSE TABLE		REMARKS
	1	2	
C1	225.35	50.00	25872.47' N29703.51W 77.46
C2	50.04	20.00	86509.21' N42831.11E 37.30
C3	46.73	128.00	2114.50' N27213.53W 43.48
C4	12.00	10.00	110.00' S8949.94E 12.00
C5	13.60	10.00	7927.47' N50549.07E 12.65
C6	46.32	50.00	58.3013' S33850.00W 6.73
C7	26.42	50.00	3024.27' N89213.20W 26.64
C8	26.42	50.00	18282.2520' N255.64 26.64
C9	26.42	50.00	29243.08' N28225.50W 26.64
C10	56.57	128.00	20.00' S8949.94E 12.00
C11	56.57	128.00	20.00' S8949.94E 12.00
C12	22.72	74.00	17.2632' N7354.10W 22.63
C13	2.68	15.00	83026.50' S7221.42E 43.59
C14	43.94	100.00	2070.96' S7221.42E 43.59
C15	43.94	100.00	2114.57' N25533.53W 26.87

EDUCATION  
EL DIVINO SALVADORE PRESBYTERIAN CHURCH, INC., property owner of this land, hereby present this plat and dedicate to the use of the public the street and utility easements, as may be shown hereon, laid down and designated, including any pre-existing easements for overhead service wires for pole type utilities and buried service lines, and any other easements, rights, and interests, and the right to firm interfering trees and shrubs, for service and construction and the right to firm interfering trees and shrubs.  
Witness my signature this \_\_\_\_\_ day of \_\_\_\_\_, 2013.  
CONSUELO AYALA/Clerk of Session

ACKNOWLEDGEMENT  
STATE OF TEXAS  
COUNTY OF EL PASO  
Before me, the undersigned authority, on this day personally appeared CONSUELO AYALA, who acknowledged to me that he executed the same for the purposes and considerations herein expressed.  
Given under my hand and seal of office this \_\_\_\_\_ day of \_\_\_\_\_, 2013.  
Notary Public in and for El Paso County \_\_\_\_\_ My Commission Expires \_\_\_\_\_

SUBDIVISION APPROVAL STATEMENT  
This subdivision is hereby approved in accordance with Chapter 212 of the Texas Local Government Code and Title 19 of the El Paso Municipal Code as meeting all requirements for a review of a minor plat.  
Government Code of Texas this \_\_\_\_\_ day of \_\_\_\_\_, 2013.  
Executive Secretary \_\_\_\_\_ Chair Person  
City Development Director \_\_\_\_\_

FILING  
Filed and recorded in the office of the County Clerk of El Paso County, Texas, this \_\_\_\_\_ day of \_\_\_\_\_, 2013, A.D.  
in the Plat Record, Clerk's File No. \_\_\_\_\_  
County Clerk \_\_\_\_\_ By Deputy \_\_\_\_\_

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 Standards and Technical Standards.  
John A. Eby, R.L.S.  
Registered Professional Land Surveyor  
Texas License No. 5372



CITY DEVELOPMENT DEPARTMENT  
Subdivision Improvements Plans prepared by and under the supervision of  
Jose A. Garcia, Registered Professional Engineer No. 86437  
Jose A. Garcia, P.E. No. 86437

REVIEWED

PASO DEL NORTE SURVEYING, INC.  
13998 BRADLEY ROAD, EL PASO, TEXAS 79905  
PA. 915-241-1841  
FAX 915-855-8925  
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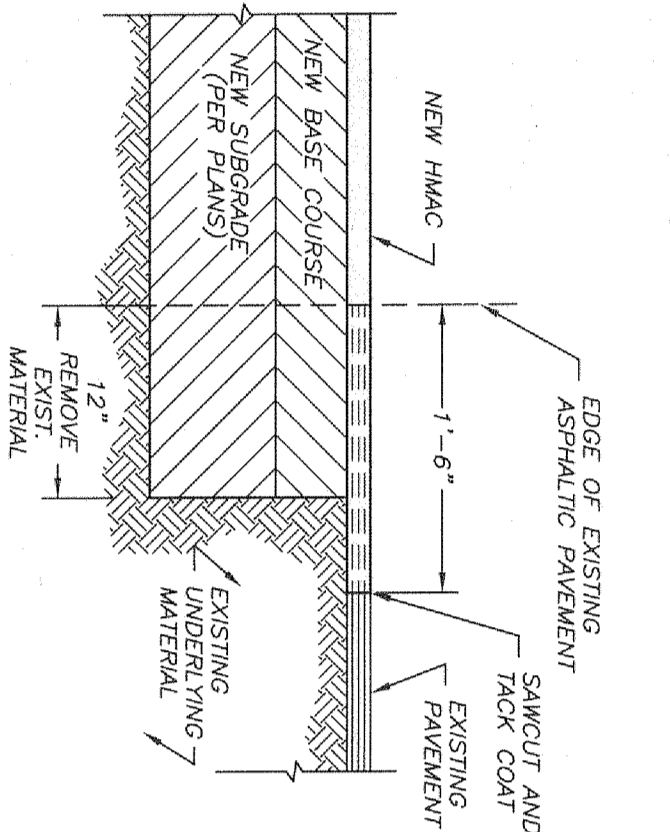




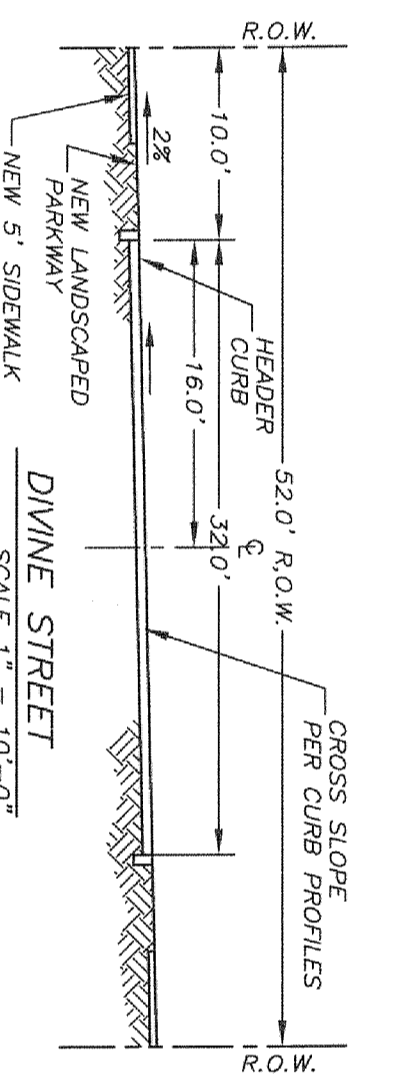
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**COMPACTION NOTES:**

1. THE COMPACTION REQUIREMENTS DESCRIBED HERE ARE INTENDED TO BE USED IN CONJUNCTION WITH THE SPECIFICATIONS FOR SUBGRADE AND BACKFILL. CONTRACTOR SHALL ALSO PROVIDE COMPACTION AS REQUIRED BY GEOTECHNICAL REPORT.
2. UNDER LAYM OR UNPAVED SURFACES: CONTRACTOR SHALL COMPACT TOP SIX INCHES OF SUBGRADE AND EACH LAYER OF BACKFILL MATERIAL TO 90% DENSITY AS PER ASTM D-1557.
3. UNDER STRUCTURES, BUILDING PADS, CURBS, STEPS, TRENCHES AND EASEMENTS: CONTRACTOR SHALL COMPACT TOP THREE INCHES OF SUBGRADE AND EACH LAYER OF BACKFILL MATERIAL TO 95% DENSITY AS PER ASTM D-1557.
4. UNDER WALKWAYS: CONTRACTOR SHALL COMPACT SIX INCHES OF SUBGRADE AND EACH LAYER OF BACKFILL MATERIAL TO 98% DENSITY AS PER ASTM D-1557.

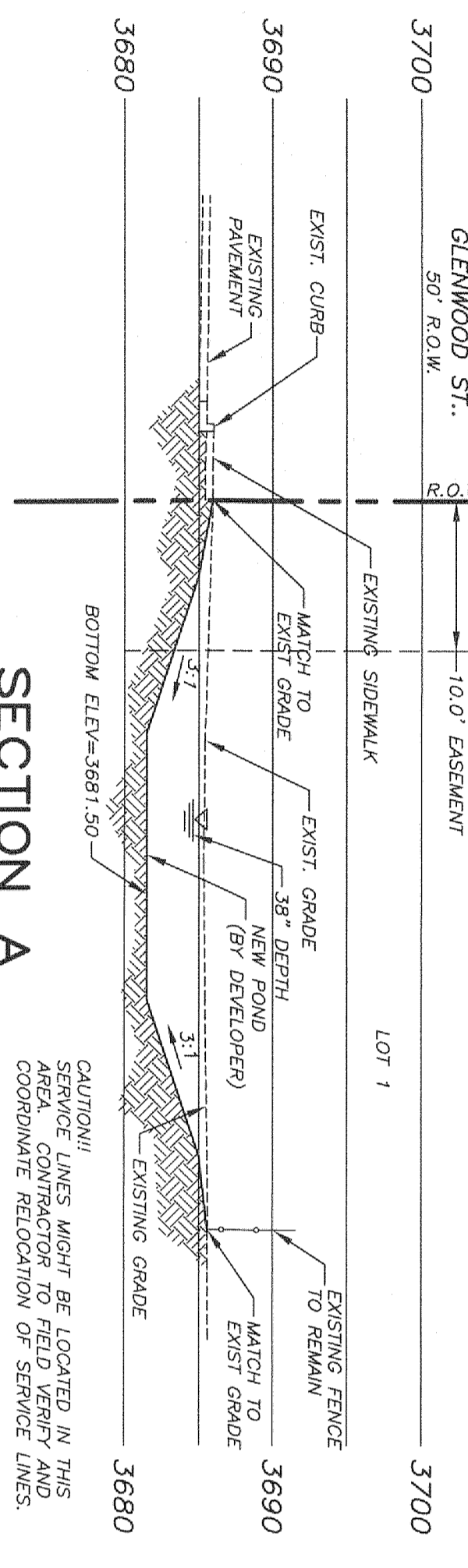


**SECTION X**

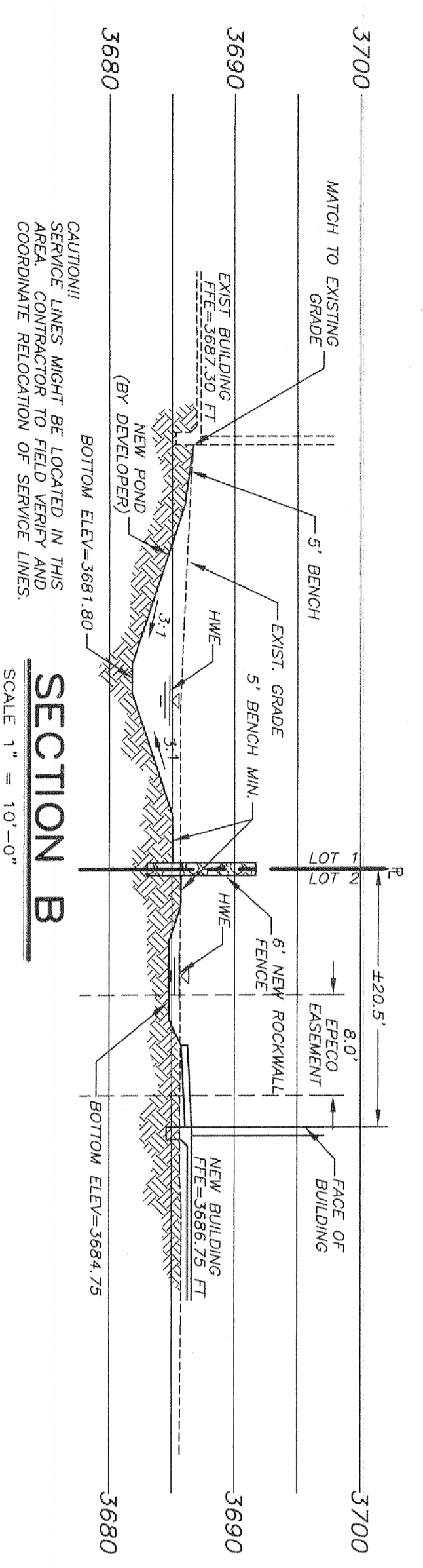


**CURVE TABLE**

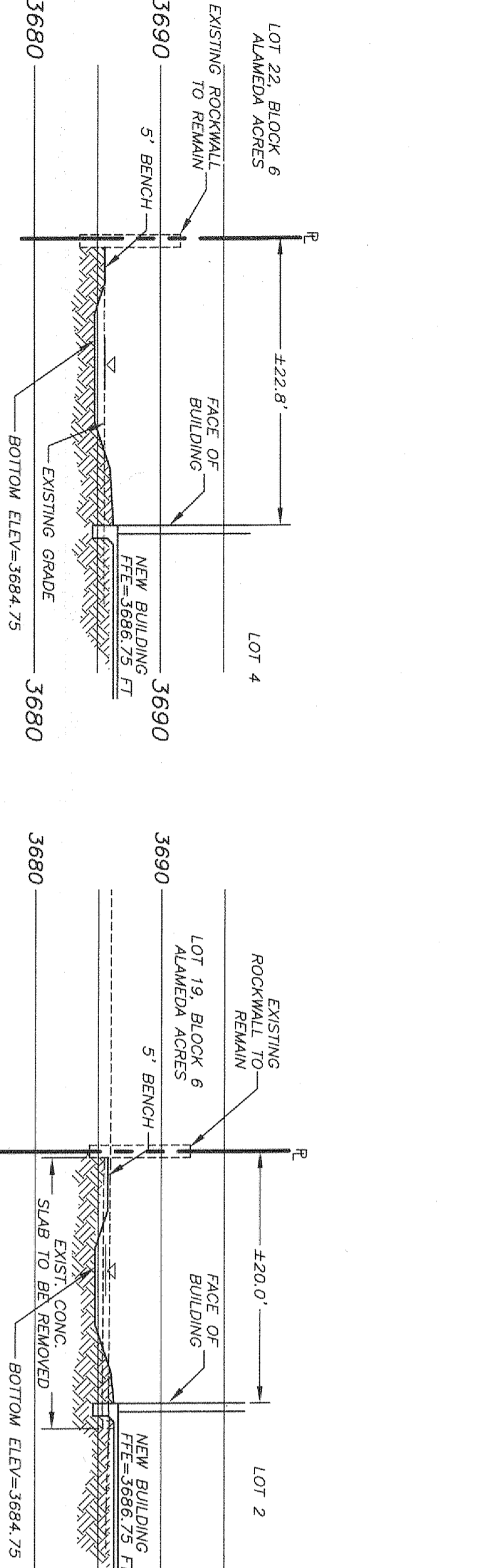
CURVE	LENGTH	RADIUS	TANGENT	CHORD	DELTA	DIRECTION
C1	32.86'	20.00'	21.52'	29.30'	94.1171°	S47.1127°W
C2	30.70'	84.00'	15.92'	30.53'	203°53'17"	N75°14'39"W
C3	30.97'	118.00'	28.90'	50.56'	251°02'36"	S77°21'42"E
C4	30.73'	20.00'	19.32'	27.79'	88°01'50"	S43°55'07"E
C5	48.00'	84.00'	24.72'	48.57'	232°02'58"	N75°21'15"W
C6	48.00'	84.00'	24.72'	48.57'	232°02'58"	N75°21'15"W
C7	43.94'	100.00'	22.33'	43.59'	251°02'36"	N77°21'42"E
C8	43.94'	100.00'	22.33'	43.59'	251°02'36"	N77°21'42"E
C9	27.70'	20.00'	16.59'	28.54'	78°21'41"	N50°22'10"E
C10	27.70'	20.00'	16.59'	28.54'	78°21'41"	N50°22'10"E
C11	221.47'	45.00'	36.45'	58.65'	281°55'52"	N28°19'15"W
C12	7.90'	20.00'	4.00'	7.84'	223°17'21"	N78°39'24"W



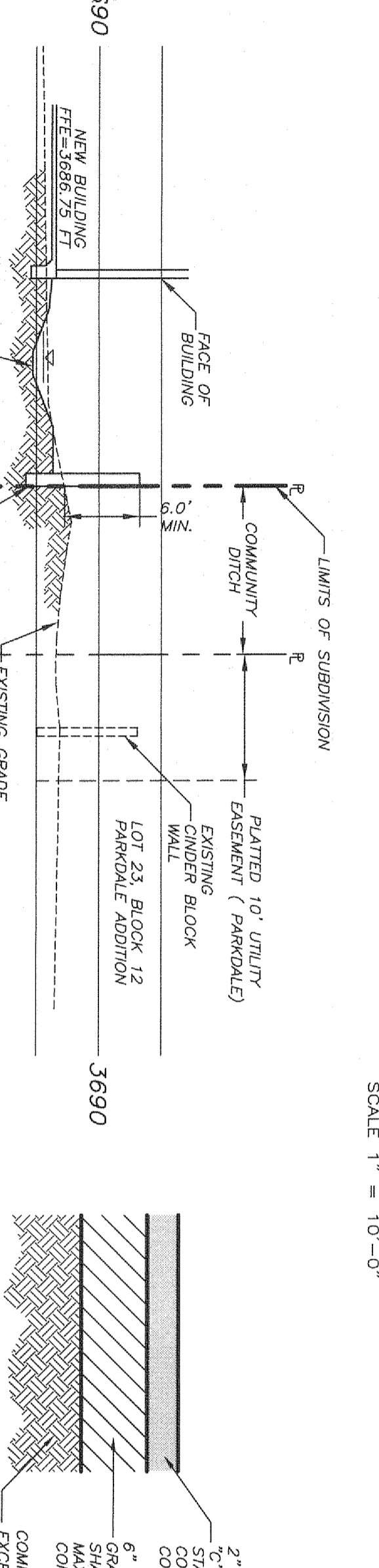
**SECTION A**



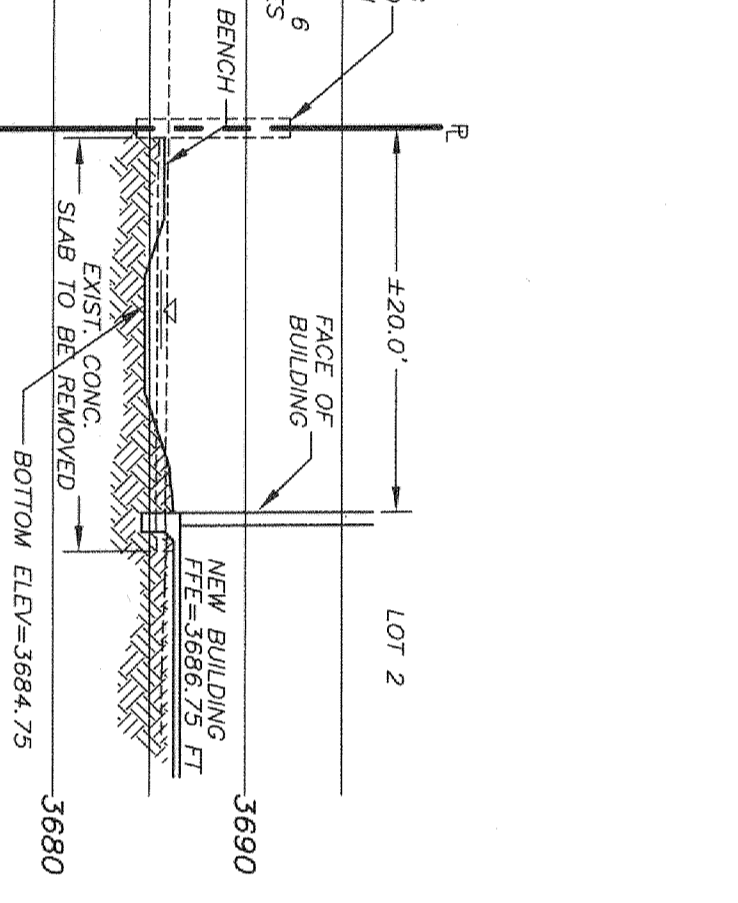
**SECTION B**



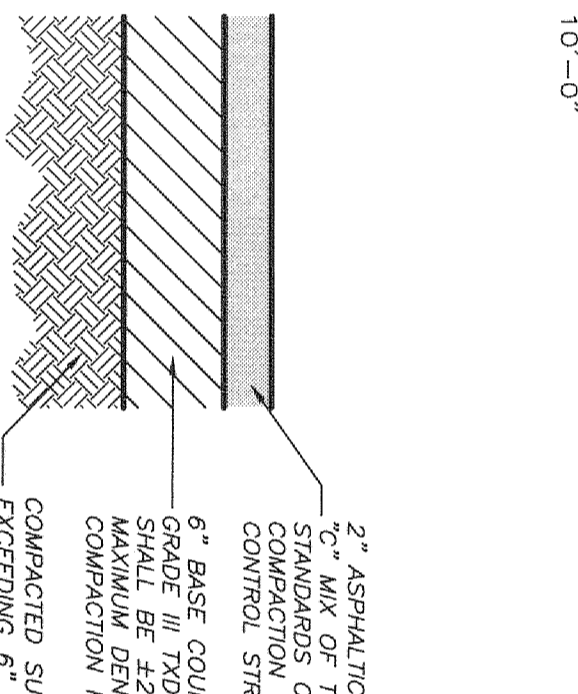
**SECTION C**



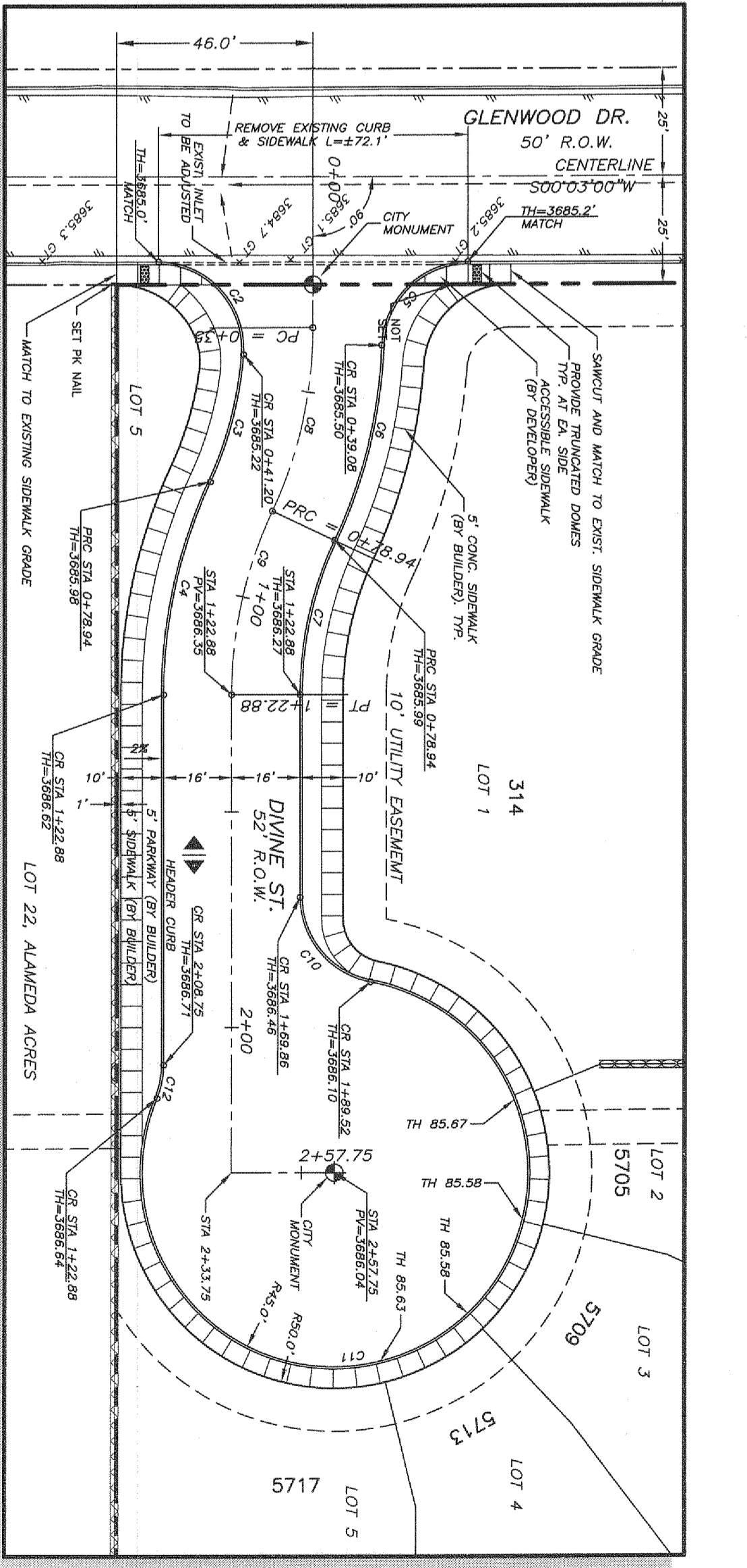
**SECTION D**



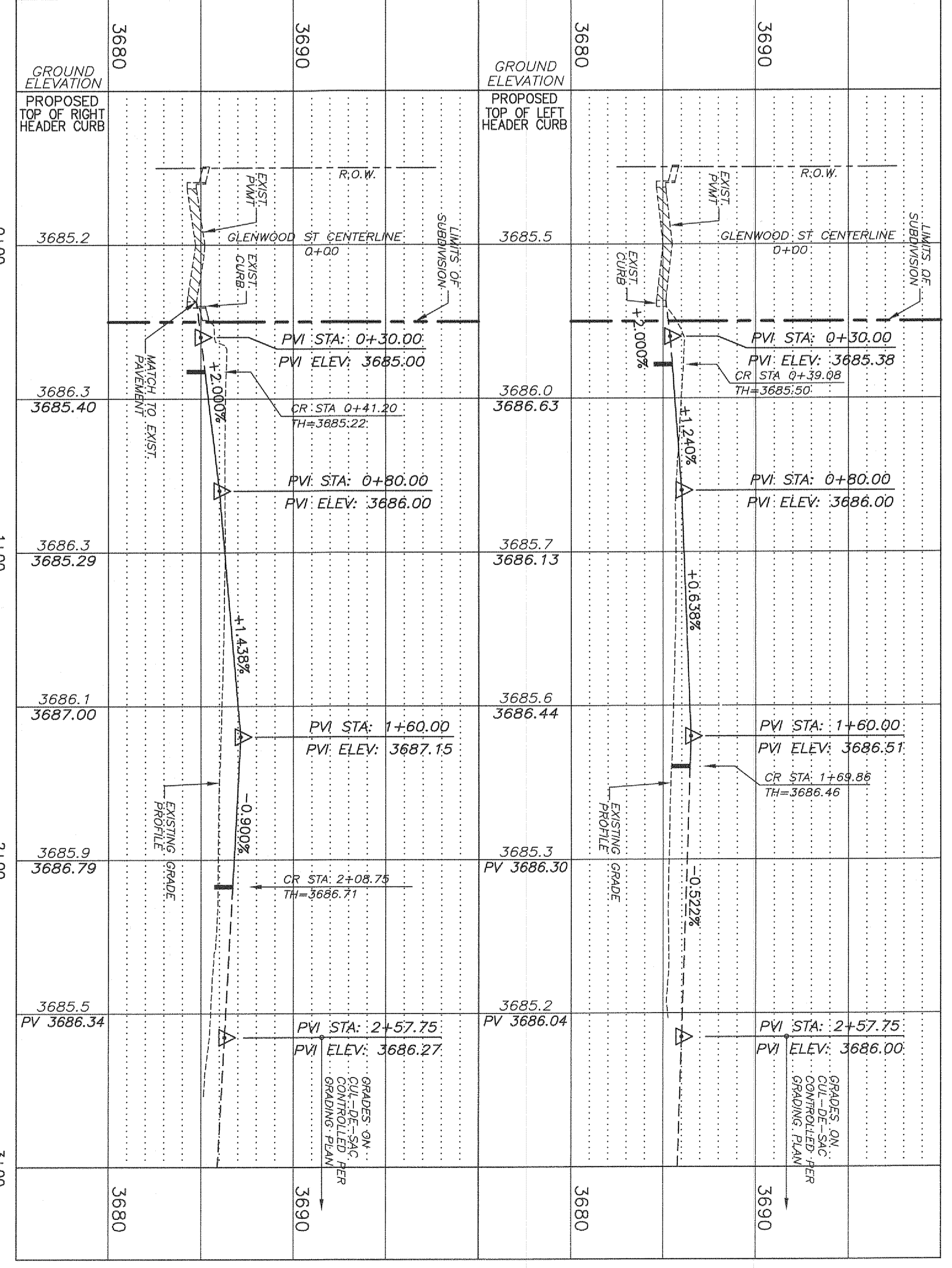
**SECTION E**



**TYPICAL PAVEMENT STRUCTURE**



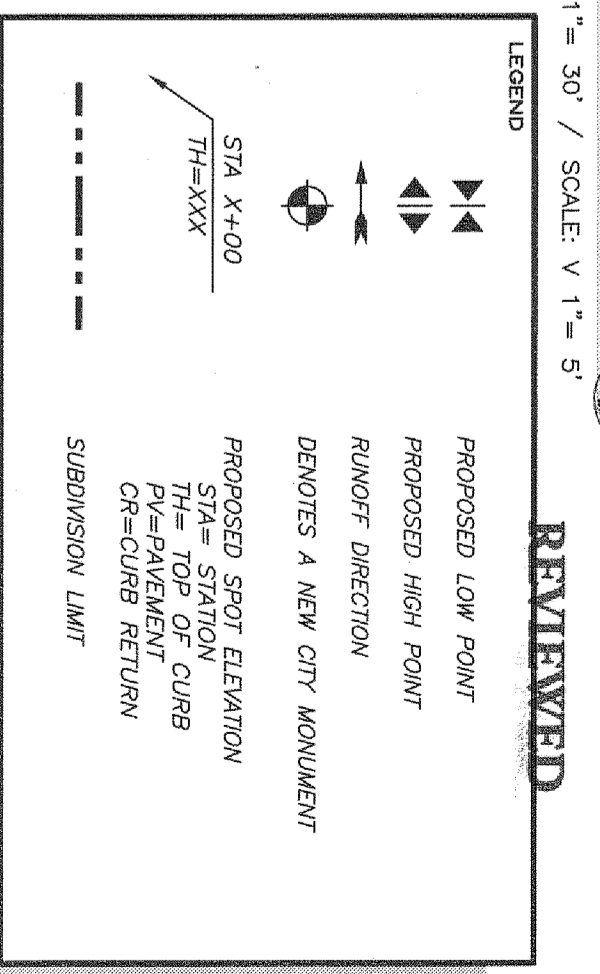
**DIVINE STREET - PLAN VIEW**



**DIVINE STREET - PROFILE VIEW**

**NOTES:**

1. IT IS THE CONTRACTOR RESPONSIBILITY TO CONTACT ALL UTILITY COMPANIES FOR THE EXACT LOCATION OF ALL UTILITIES AND OVERHEAD STRUCTURES AND UTILITIES DURING CONSTRUCTION.
2. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND ELEVATIONS ON SITE AND SHALL CONTACT ENGINEER AND/OR ENGINEER IN CHARGE IMMEDIATELY UPON DISCOVERING ANY ERRORS ON PLANS PRIOR TO COMMENCING WORK.
3. THE CONTRACTOR SHALL COORDINATE ALL UTILITY WORKS AND RELOCATIONS WITH THE APPROPRIATE UTILITY COMPANIES.



**SHEET TITLE:**  
DIVINE ST.  
PLAN &  
PROFILE

**SHEET NO.:**  
C-4

**SHEET OF:**  
4 OF 10



PREPARED BY:

444 EXECUTIVE CENTER, SUITE 134 - EL PASO, TX - 79902  
PHONE (915) 351-8033 - FAX (915) 351-8055

ISSUED FOR PURPOSE:  
CITY APPROVAL

PROJECT NAME:  
**DELTA DIVINE SUBDIVISION**

A PORTION OF LOTS 20 AND 21, BLOCK 6,  
ALAMEDA ACRE, CITY OF EL PASO,  
EL PASO COUNTY, TEXAS CONTAINING ±1.89-ACRES

REFERENCE BENCHMARK:  
EXISTING CITY MONUMENT FOUND AT THE INTERSECTION OF COLLINGSWORTH STREET AND SIMPIA DRIVE.  
ELEVATION : 3685.84 CITY DATUM

NO.	DATE	DESCRIPTION
1	10/28/13	CITY COMMENTS
2	2/18/14	CITY COMMENTS
3		

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**PERMANENT ELEVATION MARKER FOR ON-SITE PONDING**  
N.T.S.

TITLE 19 - SUBDIVISION ORDINANCE  
ENGINEERING DEPARTMENT  
DESIGN STANDARDS  
FOR CONSTRUCTION

PERMANENT ELEVATION MARKER FOR ON-SITE PONDING  
2-7  
Approved By: R. A. SHERBERG  
Checked By: J. M. E. HARRIS  
Date: 02/18/2014

DRIVEWAY WIDTH	MIN	MAX
COMMERCIAL/INDUSTRIAL	24'	35'
RESIDENTIAL (SINGLE FAMILY 60' LOTS) LESS THAN 60' LOTS, DUPLEX AND TOWNHOUSES	10'	20'
(REFER TO PLATE 6-16)	15'	25'

**DRIVEWAY PLAN**  
N.T.S.

TITLE 19 - SUBDIVISION ORDINANCE  
ENGINEERING DEPARTMENT  
DESIGN STANDARDS  
FOR CONSTRUCTION

DRIVEWAY WITH ON-SITE PONDING  
6-18  
Approved By: R. A. SHERBERG  
Checked By: J. M. E. HARRIS  
Date: 02/18/2014

**HEADER FOR ROCKY OR MOUNTAINOUS TERRAIN**  
N.T.S.

TITLE 19 - SUBDIVISION ORDINANCE  
ENGINEERING DEPARTMENT  
DESIGN STANDARDS  
FOR CONSTRUCTION

CONCRETE HEADER WITH SIDEWALK SECTION  
6-12  
Approved By: R. A. SHERBERG  
Checked By: J. M. E. HARRIS  
Date: 02/18/2014

**BOX COVER**  
SECTION VIEW

TITLE 19 - SUBDIVISION ORDINANCE  
ENGINEERING DEPARTMENT  
DESIGN STANDARDS  
FOR CONSTRUCTION

CITY SURVEY MONUMENT  
3-32  
Approved By: R. A. SHERBERG  
Checked By: J. M. E. HARRIS  
Date: 02/18/2014

**ROCK WALL**  
ADJACENT TO RESIDENTIAL LOTS

TITLE 19 - SUBDIVISION ORDINANCE  
ENGINEERING DEPARTMENT  
DESIGN STANDARDS  
FOR CONSTRUCTION

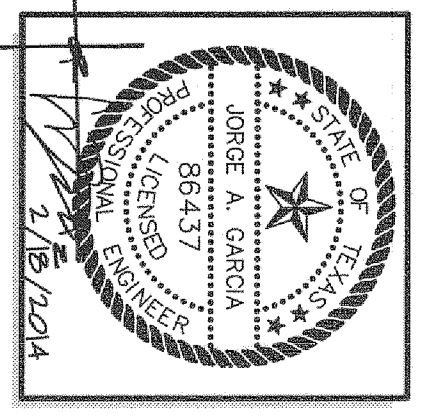
ROCK WALL DESIGN  
4-3  
Approved By: R. A. SHERBERG  
Checked By: J. M. E. HARRIS  
Date: 02/18/2014

**CONCRETE FLUME SECTION WITHOUT PLATE**  
**MULTIPLE CONCRETE FLUMES WITH STEEL PLATE COVER**  
**CONCRETE FLUME WITH STEEL PLATE COVER**  
**TYPICAL CONCRETE DRAINAGE FLUMES**

TITLE 19 - SUBDIVISION ORDINANCE  
ENGINEERING DEPARTMENT  
DESIGN STANDARDS  
FOR CONSTRUCTION

CONCRETE FLUMES WITH SIDEWALK  
2-35B  
Approved By: R. A. SHERBERG  
Checked By: J. M. E. HARRIS  
Date: 02/18/2014

SHEET NO. **C-5**  
SHEET 5 OF 10



PREPARED BY:

ENGINEERING  
TX REG No. F-5607  
444 EXECUTIVE CENTER, SUITE 134 - EL PASO, TX - 79902  
PHONE (915) 351-8033 - FAX (915) 351-8055

PROJECT NO. 12057  
SCALE: SHOWN  
ISSUED DATE:  
ISSUED PURPOSE:  
CITY APPROVAL:

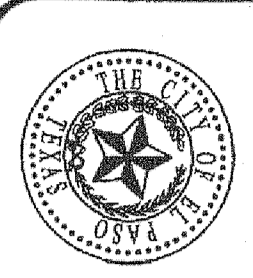
PROJECT NAME: **DELTA DIVINE SUBDIVISION**

A PORTION OF LOTS 20 AND 21, BLOCK 6, ALAMEDA ACRES, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING ±1.89-ACRES

REFERENCE BENCHMARK:  
EXISTING CITY MONUMENT FOUND AT THE INTERSECTION OF COLLINGSWORTH STREET AND SIMPIA DRIVE.  
ELEVATION : 3685.84 CITY DATUM

NO.	DATE	DESCRIPTION
1	10/28/13	CITY COMMENTS
2	2/18/14	CITY COMMENTS
3		

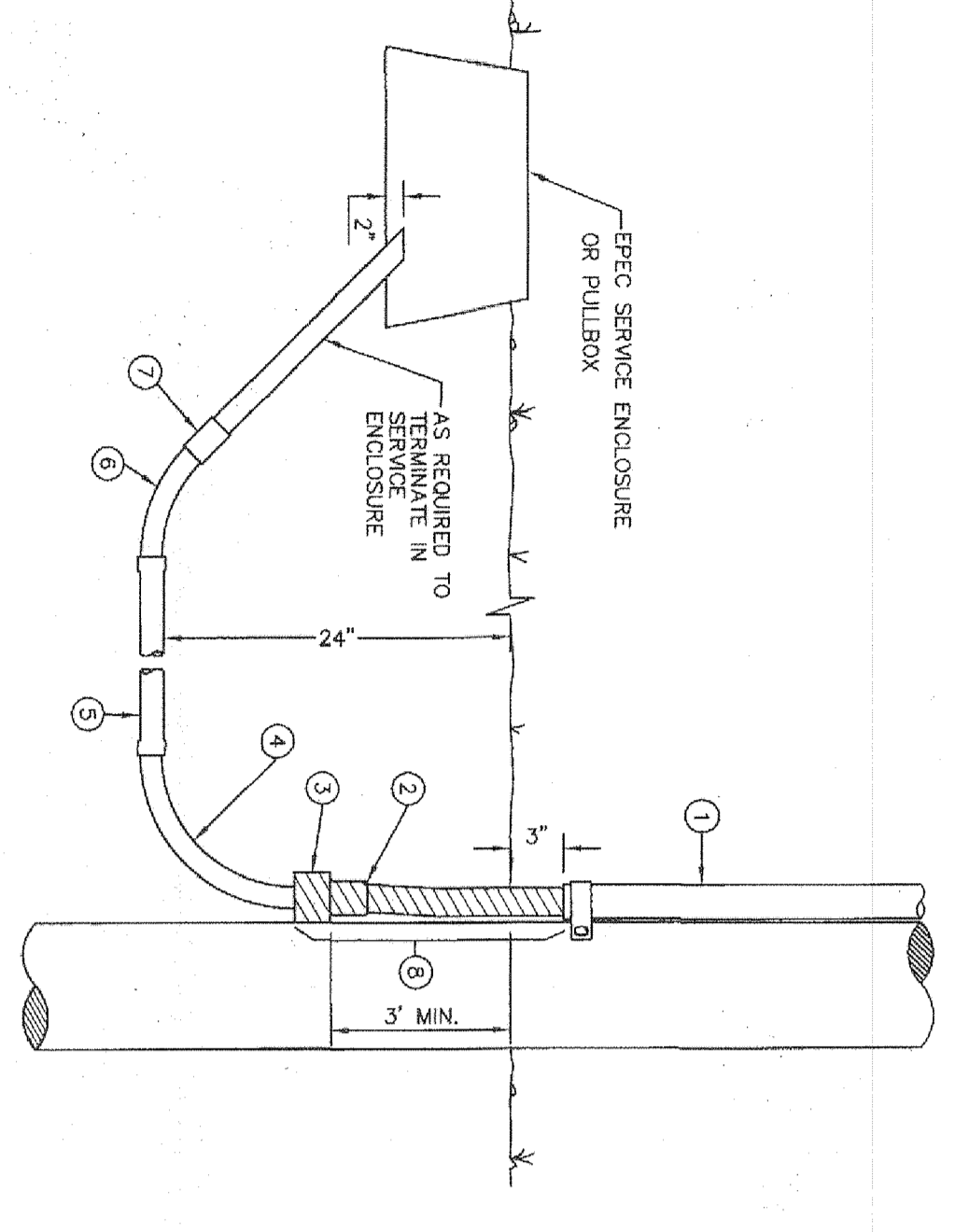
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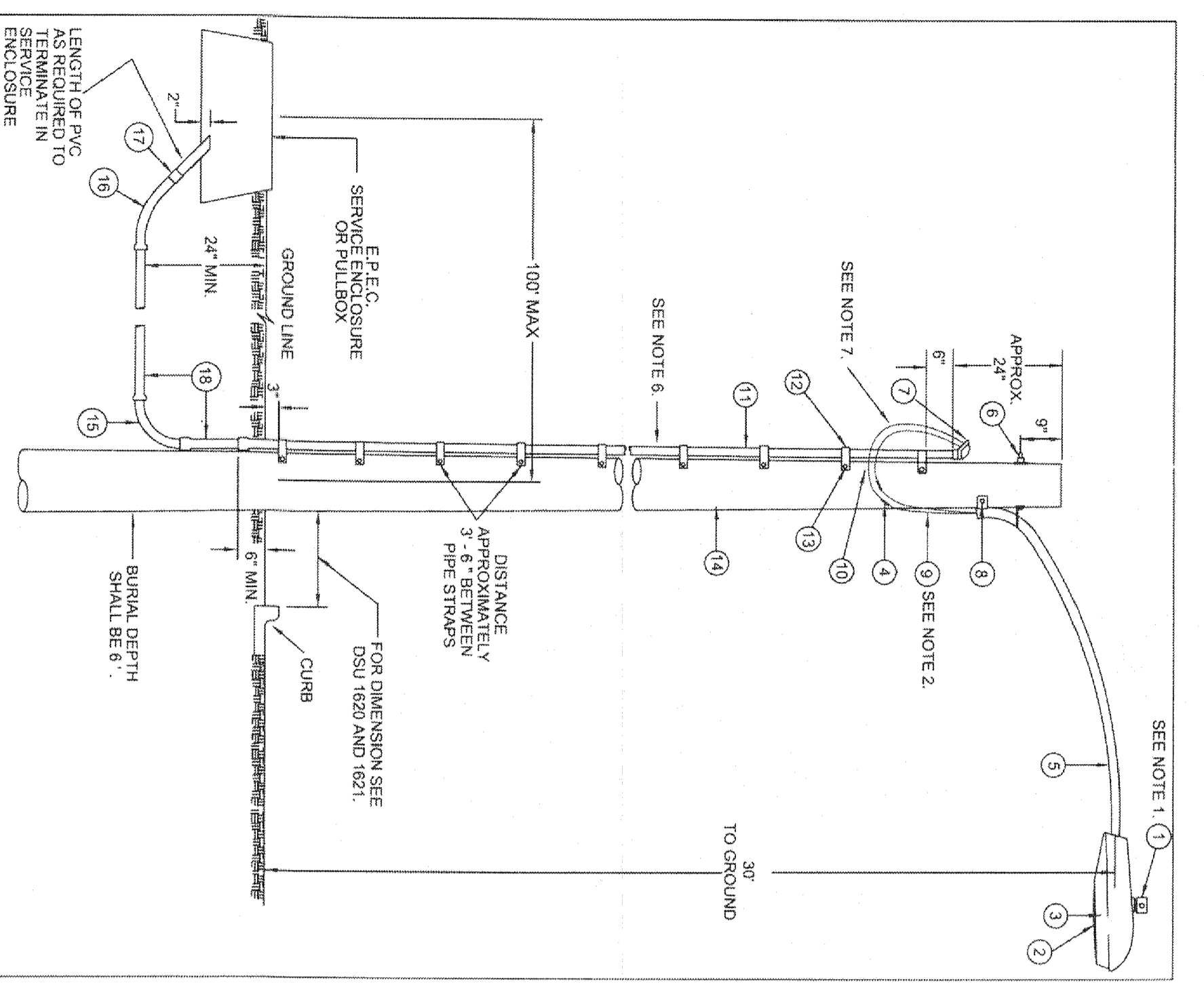
TITLE 19 - SUBDIVISION ORDINANCE  
ENGINEERING DEPARTMENT  
DESIGN STANDARDS  
FOR CONSTRUCTION

RESIDENTIAL  
STREET LIGHT WOOD POLE  
(Construction of 8'-3")

- KEY NOTES:
1. 1/2" GALVANIZED RIGID CONDUIT
  2. REDUCER 1" TO 1/2" BUSHING
  3. 1" PVC 90° ELBOW
  4. 1" PVC 45° ELBOW
  5. 1" PVC CONDUIT
  6. 1" PVC 45° ELBOW
  7. 1" PVC COUPLING
  8. TARE 1/2" RIGID CONDUIT (6')



UNDERGROUND RESIDENTIAL  
STREET LIGHT WOOD POLE  
EL PASO ELECTRIC CO. DISTRIBUTION STANDARD  
DSU 805  
PAGE 1 OF 2



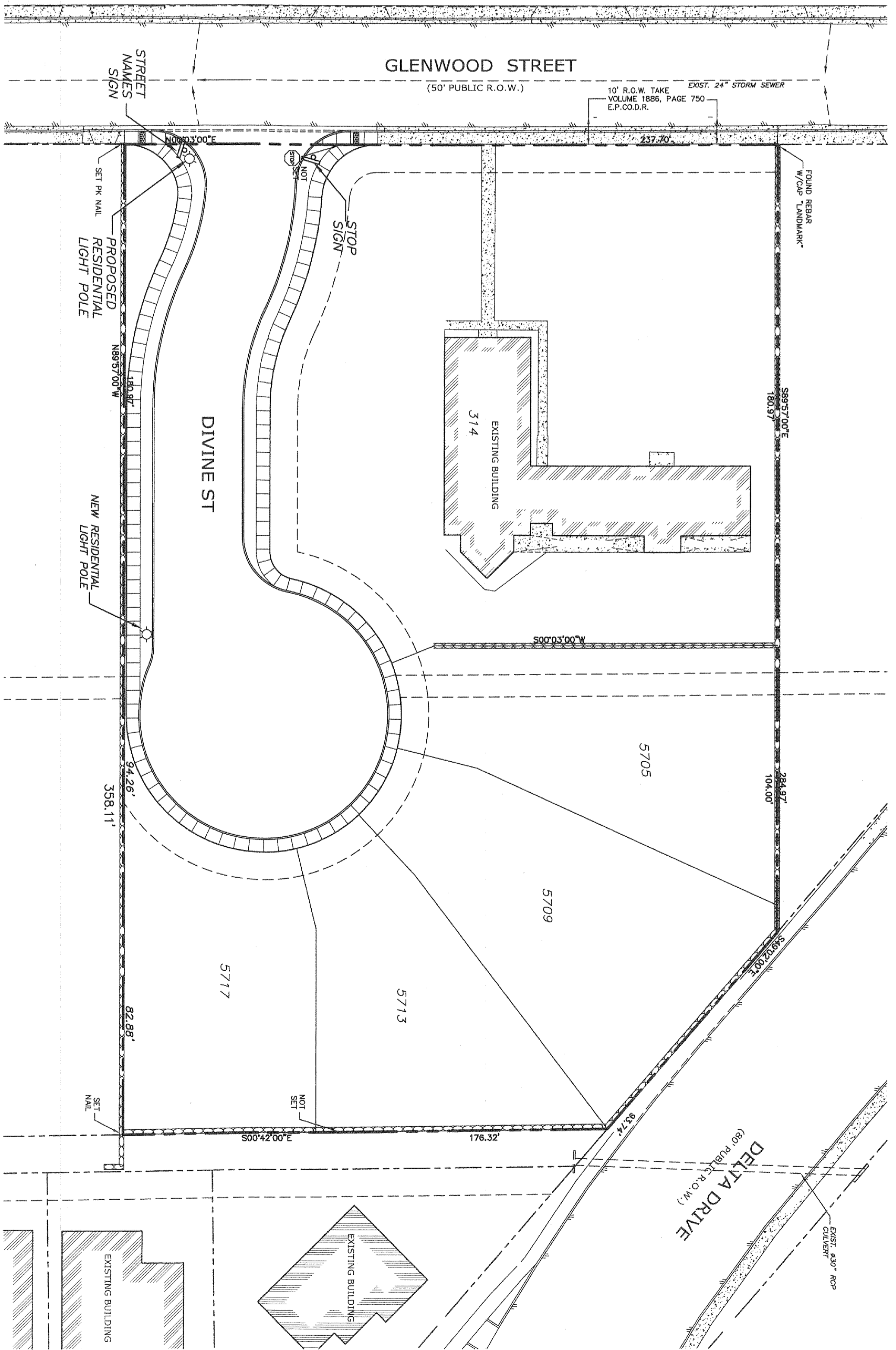
ORIG. DATE: 10/15/97  
REV. DATE: 09/21/04

EL PASO ELECTRIC CO. DISTRIBUTION STANDARD

DSU 805  
PAGE 2 OF 2

ITEM No.	DESCRIPTION	STOCK/DSU No.	Qty.	CU Code	MAGNO Code
1	PHOTO CELL, 240 V. - SEE NOTE 1	21-225	1		
2	HPS LAMP, 100W	21-099	1	LC0BRAHD	
3	LUMINAIRE, 100W H.P.S.	21-335	1		
4	SLEEVES, #12-10	05-140	2	LSLV1210	
5	MAST ARM, 6 X 1 1/4"	21-400	1	LRKTT18	
6	SQUARE GALV WASHER, 2 1/4" X 2 1/4"	02-470	1	LMB5/812	
	COIL SPRING WASHER, 5/8"	02-786	1		
	LOCK NUT, 5/8"	02-706	1		
7	SERVICE ENTRANCE CAP FOR 1" PVC CONDUIT	17-281	1	LSVCCAP1	
8	LAG BOLT, 3/8" X 3"	02-343	2	LLAG3/8"3	
9	CABLE #10, 2 CONDUCTOR, 600V UF	13-600	8	LC0#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	LPVCSTRP	
13	NAIL, STAINLESS STEEL, SCREW, 2.5 IN	14-427	25#	LNAL14"2	
14	POLE, 3/5 FT. - CLASS 4	09-035	1	LS4ULG	
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	LEPLG1	
18	1" PVC CONDUIT	17-299	1	LPVC1	

- NOTES:
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 DEPARTMENT.
  5. ON STREETS WHERE SIDEWALKS ARE REQUIRED, LIGHT POLES SHALL BE INSTALLED IN THE SIDEWALK AREA, MINIMUM 36 INCHES FROM THE BACK OF CURB TO COMPLY WITH AMERICAN DISABILITIES 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.



STREET LIGHTING AND TRAFFIC SIGNAGE PLAN  
SCALE: 1" = 30'

NOTE:  
ALL ROADWAY INTERSECTING EXISTING PUBLIC ROADWAYS SHALL REMAIN COMPLETELY CLOSED FOR PUBLIC USE UNTIL ACCEPTED FOR MAINTENANCE BY THE CITY.

LEGEND

- ▷ PROPOSED RESIDENTIAL STREET LIGHT POLE
- ◻ 30" STS. NEW STOP SIGN (PER CITY OF EL PASO TRAFFIC DEPARTMENT STANDARDS)
- ▲ 9" SWS. STREET NAME SIGNS (PER CITY OF EL PASO TRAFFIC DEPARTMENT STANDARDS)

CITY DEVELOPMENT DEPARTMENT  
REVIEWED

SHEET TITLE: STREET LIGHTING PLAN  
SHEET NO.: C-6  
REV. 6 OF 10

Professional Engineer Seal for J. M. E. (86437) dated 2/18/2014

PREPARED BY: SITEWORK ENGINEERING, L.L.C. 444 EXECUTIVE CENTER, SUITE 134 - EL PASO, TX 79902

ISSUED FOR: CITY APPROVAL

PROJECT NAME: DELTA DIVINE SUBDIVISION  
A PORTION OF LOTS 20 AND 21, BLOCK 6, ALAMEDA ACRES, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING ±1.89-ACRES

REFERENCE BENCHMARK: EXISTING CITY MONUMENT FOUND AT THE INTERSECTION OF COLLINGSWORTH STREET AND SIMPIA DRIVE. ELEVATION: 3685.84 CITY DATUM

NO.	DATE	DESCRIPTION
1	10/26/97	CITY COMMENTS
2	2/18/14	CITY COMMENTS
3		

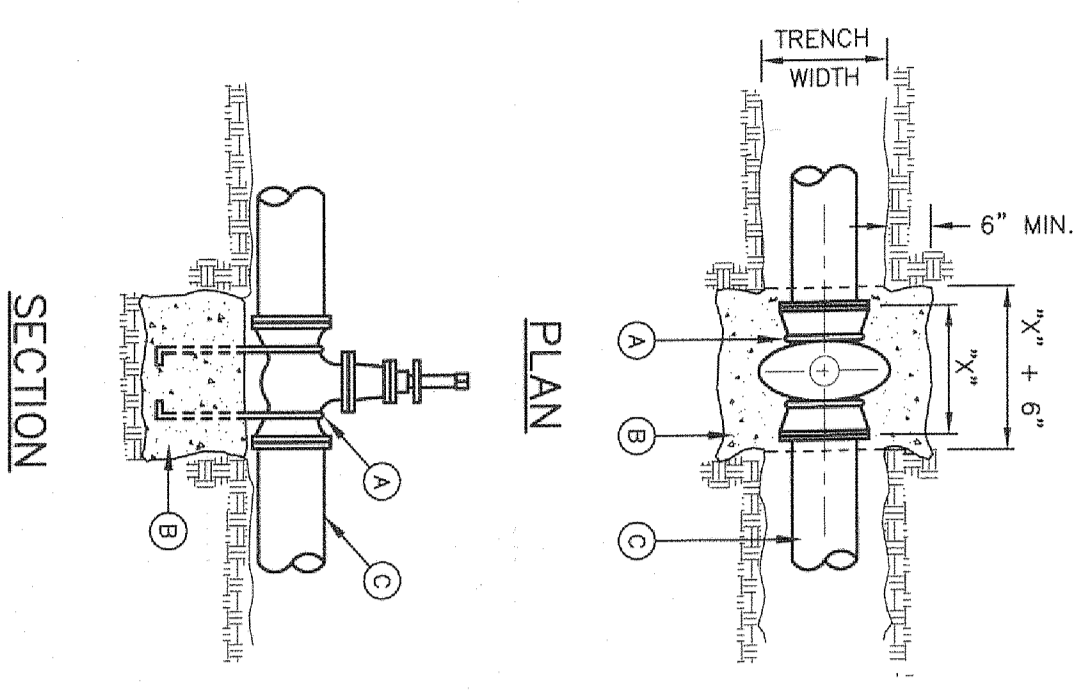




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### VALVE ANCHOR

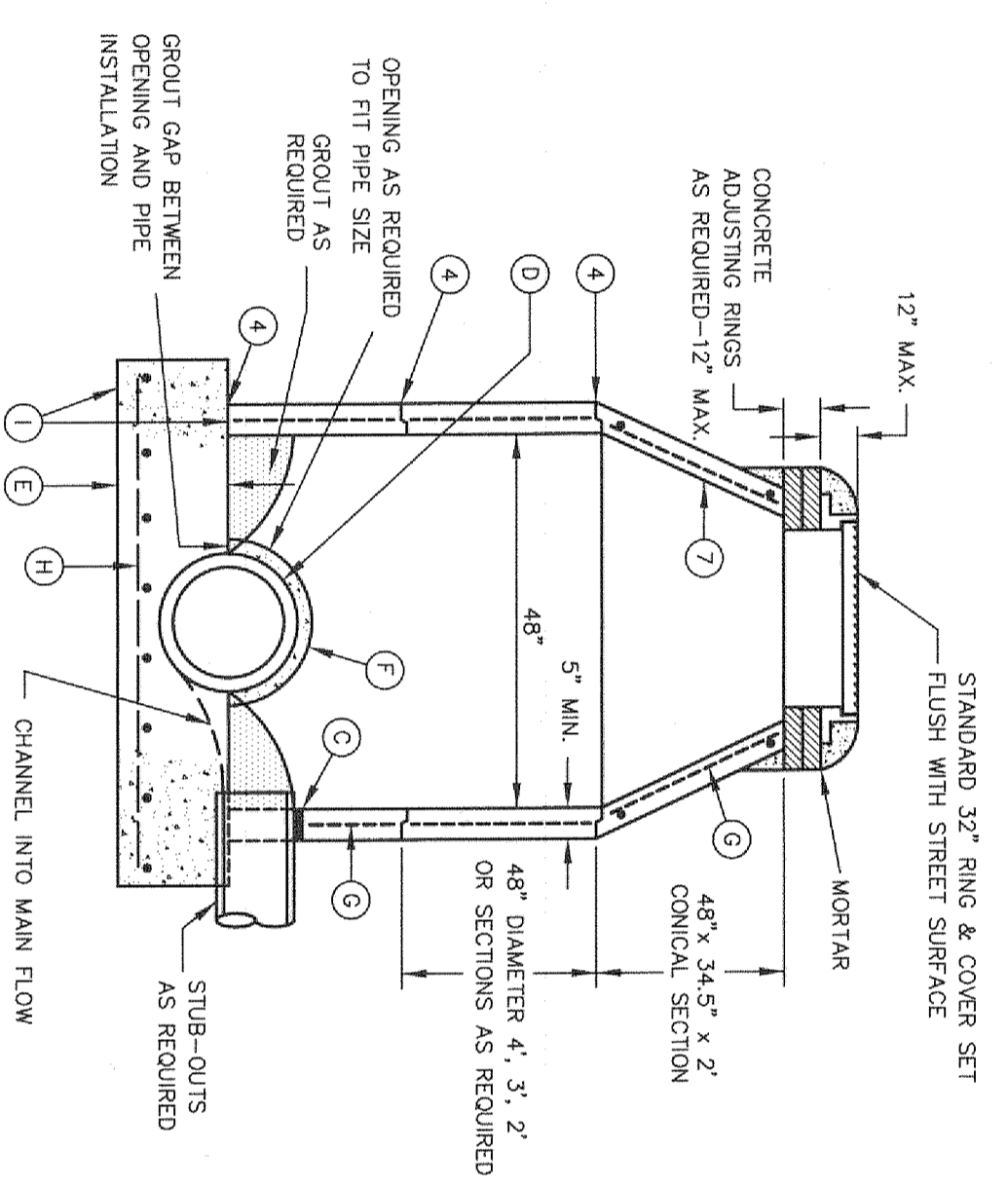
DETAIL NO. 271  
NOT TO SCALE



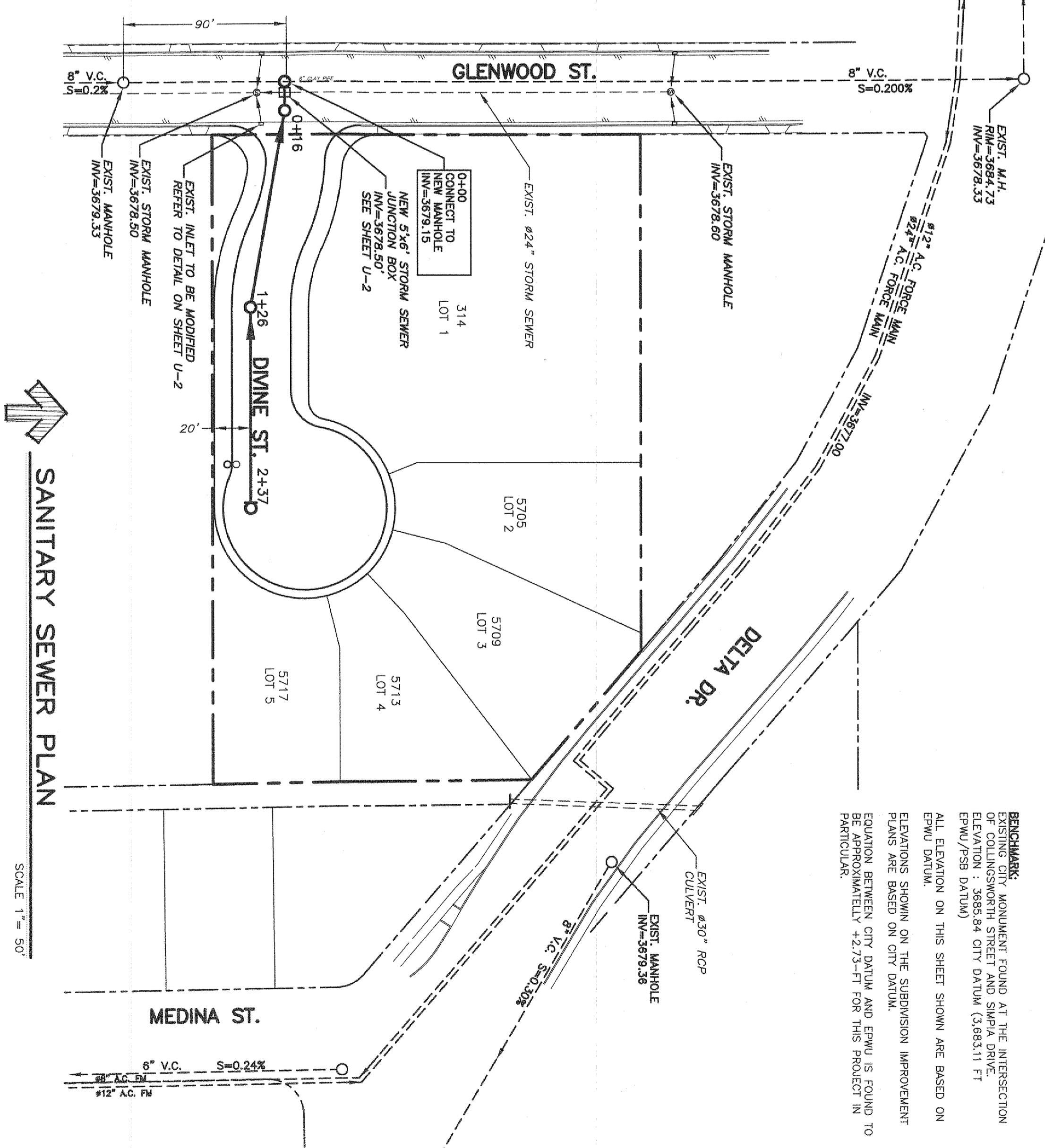
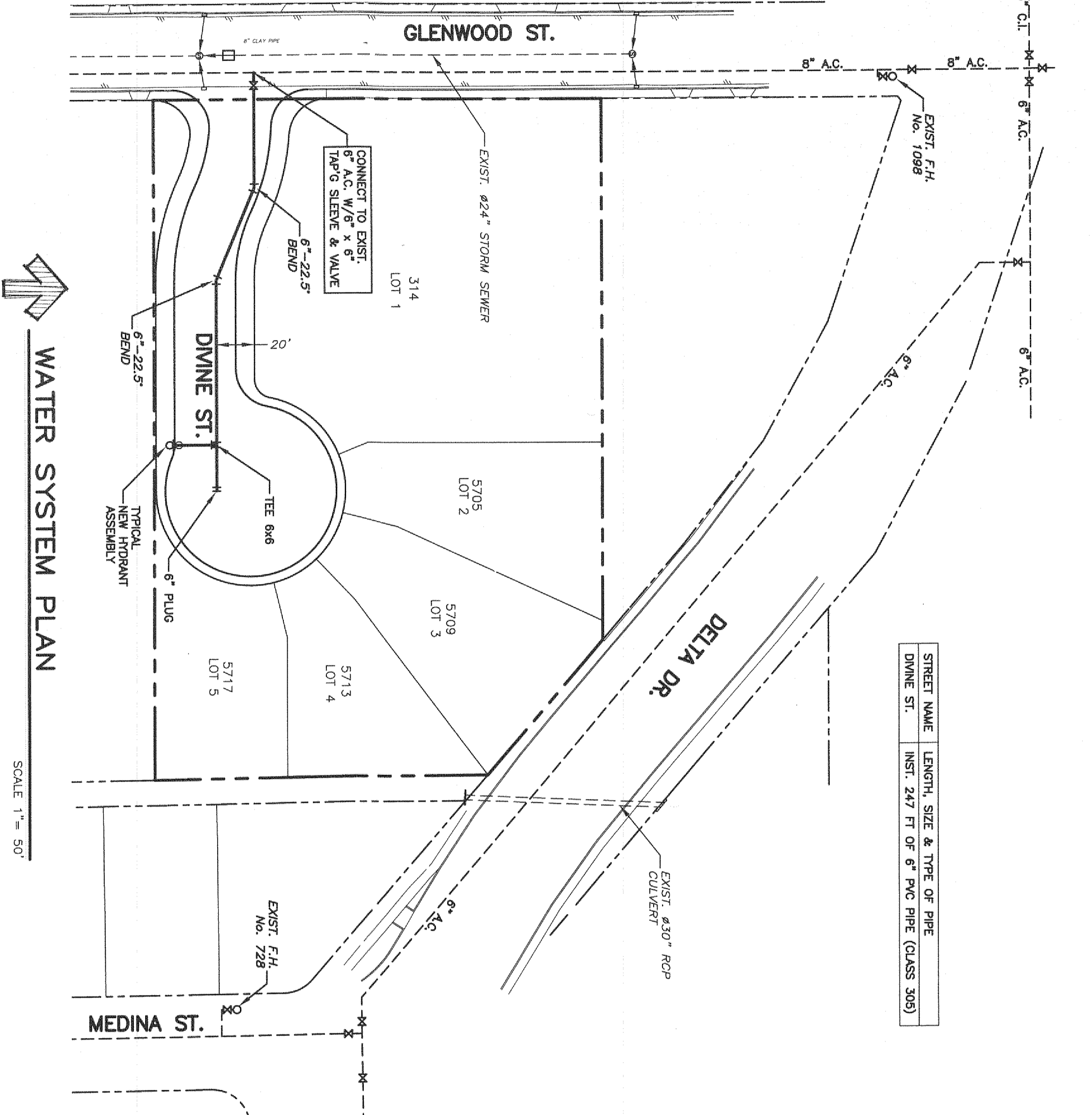
- GENERAL NOTES:**
1. THE ENGINEER SHALL PROVIDE DESIGN FOR ALL VALVES GREATER THAN 12".
  2. COMPLY WITH REQUIREMENTS OF AWMA C-950, PROTECTIVE EPOXY INTERIOR COATINGS FOR VALVES.
- CONSTRUCTION KEY NOTES:**
- A. TWO NO. 3 REBAR HAIR PINS, PAINT UNEMBEDDED PORTION OF REBARS WITH TWO COATS OF COAL TAR EPOXY.
  - B. CONCRETE VALVE SUPPORT, 2800 PSI CONCRETE.
  - C. APPROVED PIPE.

### MANHOLE TYPE "A"

DETAIL NO. 370-R  
NOT TO SCALE



- GENERAL NOTES:**
1. STANDARD MANHOLE TYPE "A" SHALL BE USED FOR LINES 24" AND SMALLER.
  2. CONCRETE ADJUSTING RINGS SHALL BE OF REINFORCED CONCRETE CONFORMING TO ASTM SPECIFICATION C-478.
  3. THE BASE SHALL BE TYPE V (SULPHATE RESISTING) CONCRETE (MINIMUM 28 DAY COMPRESSIVE STRENGTH 4000 P.S.I.).
  4. ALL JOINTS TO BE TONGUE, GROOVE AND SEALED WITH RAM-NEK OR EQUAL.
  5. TOPS OF MANHOLES SHALL BE FLUSH WITH ROADWAY SURFACE OR FINISHED GRADE UNLESS OTHERWISE SPECIFIED.
  6. MANHOLE ADAPTERS TO PROVIDE LIFTERS OF ADEQUATE SIZE AS NEEDED.
  7. COAT INTERIOR WITH HYDROSESTER OR APPROVED EQUAL TO PROTECT AGAINST HYDROSENER SULFIDE DETERIORATION.
- CONSTRUCTION KEY NOTES:**
- A. MANHOLES BELOW GROUNDWATER TO BE EXTERNALLY COATED WITH BITUMINOUS COATING.
  - B. THE SUBGRADE UNDER THE BASE SHALL BE COMPACTED TO 98% DENSITY IN ACCORDANCE WITH ASTM D-1557.
  - C. PIPE OPENINGS IN MANHOLES RISERS SHALL HAVE COMPRESSION TYPE FLEXIBLE PIPE TO MANHOLE CONNECTORS (ASTM-923), "COR-N-SEAL" OR EQUAL.
  - D. ON MANHOLE M.H.'S PIPE IS TO BE LAID THRU AND UPPER 1/2 CUT OUT.
  - E. CONCRETE BASE 6" x 1/2 OUTER DIAMETER OF THE PIPE.
  - F. PROVIDE REINFORCEMENT WITHIN 3" OF OPENINGS OR KNOCKOUTS.
  - G. REINFORCING SHALL MEET ASTM C-418 AND TRAFFIC LOADING (HS-20).
  - H. NO. 4 REBARS 8" ON CENTER, BOTH WAVES.
  - I. MAY BE POURED MONOLITH WITH BASE.



STATION	PROP. M.H.	NEW STORM SEWER	NEW JUNCTION BOX	PROP. M.H.	PROP. PAVE	PROP. PAVE
3685	STA 0+00	3685	3685	3685	3685	3685
3675	STA 0+16	3679.15	3679.20	3679.15	3679.20	3679.20
3690	STA 1+26	3679.67	3679.94	3679.67	3679.94	3679.94
3685	STA 2+37	3685	3685	3685	3685	3685

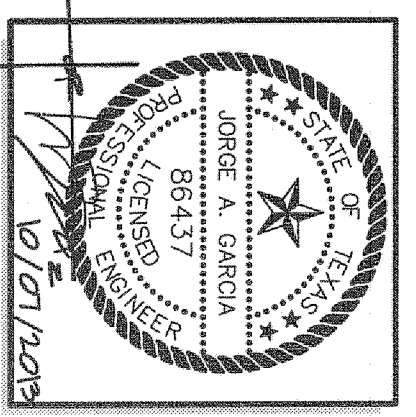
### WATER NOTES:

1. CONTACT UTILITY COMPANIES FOR EXACT LOCATION OF AND UNDERGROUND UTILITIES IN THIS AREA BEFORE EXCAVATION.
2. INSTALL A TRENCH SAFETY SYSTEM TO PROVIDE FOR THE SAME EXCAVATION OF ALL MEMBERS EXCEEDING A DEPTH OF FIVE (5) FEET AS PER O.S.H.A. REQUIREMENTS.
3. PROVIDE ADEQUATE CONCRETE THURST BLOCKING AT THE FITTINGS, TAPPING STEELERS, BENDS, FLOORS AND ALL ALL VALVES ON P.V.C. WATER SHALL BE ANCHORED IN CONCRETE. SEE DETAIL ON THIS SHEET.
4. ALL VALVES ON P.V.C. WATER SHALL BE ANCHORED IN CONCRETE.
5. P.V.C. PIPE SHALL BE PLACED WITH SELECT BEDDING MATERIAL AROUND.
6. WATER & SANITARY SEWER MAIN SEPARATION REQUIREMENTS SHALL COMPLY WITH T.C.E.C. MINIMUM REQUIREMENTS. REFER TO STANDARD DETAILS.
7. REFER TO STREET PLAN AND PROFILE SHEETS IN THE SUBDIVISION IMPROVEMENT PLANS FOR ADDITIONAL DETAIL ON STREET LAYOUT AND CONTROL.

### SEWER NOTES:

1. CONTACT UTILITY COMPANIES FOR EXACT LOCATION OF AND UNDERGROUND UTILITIES IN THIS AREA BEFORE EXCAVATION.
2. INSTALL A TRENCH SAFETY SYSTEM TO PROVIDE FOR THE SAME EXCAVATION OF ALL MEMBERS EXCEEDING A DEPTH OF FIVE (5) FEET AS PER O.S.H.A. REQUIREMENTS.
3. ALL SANITARY SEWER P.V.C. PIPE SHALL MEET REQUIREMENTS OF ASTM D-3034, SDR 35 UNLESS OTHERWISE NOTED.
4. PROVIDE MANHOLE ADAPTER WHERE P.V.C. SEWER LINE CONNECTS TO MANHOLE. REFER TO STANDARD DETAILS.
5. INSTALL 4" DIAMETER SERVICE LATERALS SHALL HAVE 4" x 6" ASH BLOCKS, SDR 35 UNLESS OTHERWISE NOTED. REFER TO STANDARD DETAILS.
6. MAINTAIN A MINIMUM HORIZONTAL SEPARATION DISTANCE OF THIS MINIMUM MUST BE IN STRICT ACCORDANCE WITH TCEC REQUIREMENTS.
7. REFER TO STREET PLAN AND PROFILE SHEETS IN THE SUBDIVISION IMPROVEMENT PLANS FOR ADDITIONAL DETAIL ON STREET LAYOUT AND CONTROL.

CITY DEVELOPMENT DEPARTMENT  
**REVIEWED**



SHEET TITLE:  
**WATER & SEWER PLAN**

SHEET NO.:  
**U-1**

PREPARED BY:  
**SITWORK ENGINEERING, LLC**  
TX REG. NO. F-5807

444 EXECUTIVE CENTER, SUITE 134 - EL PASO, TX - 79902  
PHONE (915) 351-8033 - FAX (915) 351-8055

ISSUED FOR:  
CITY APPROVAL

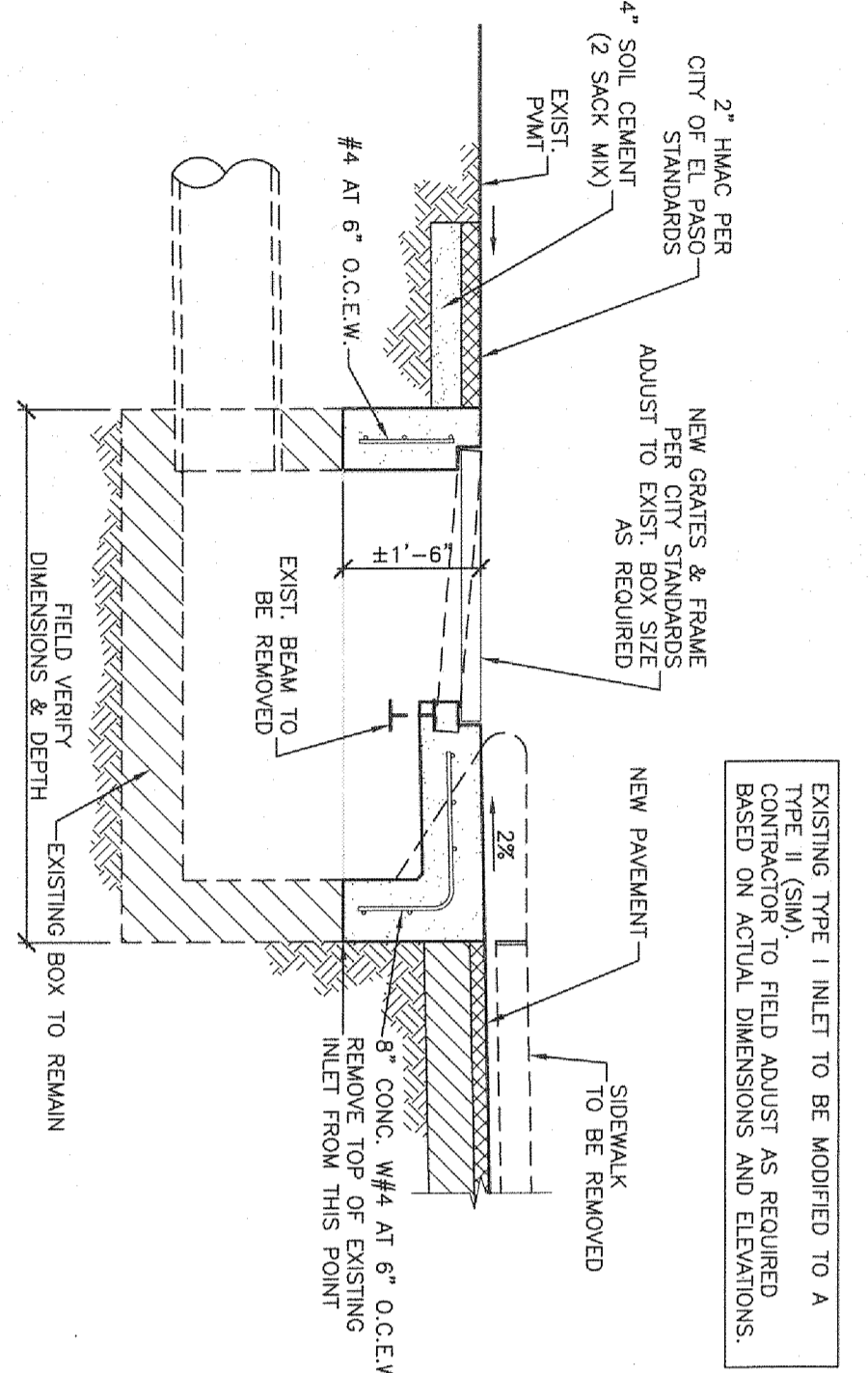
PROJECT NAME:  
**DIVINE DELTA SUBDIVISION**

A PORTION OF LOTS 20 AND 21, BLOCK 6, ALAMEDA ACRES, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING ±1.89-ACRES

REFERENCE BENCHMARK:  
EXISTING CITY MONUMENT FOUND AT THE INTERSECTION OF COLLINGSWORTH STREET AND SIMPIA DRIVE.  
ELEVATION : 3685.84 CITY DATUM

NO.	DATE	DESCRIPTION
1	10-07-13	CITY COMMENTS
2	---	---
3	---	---

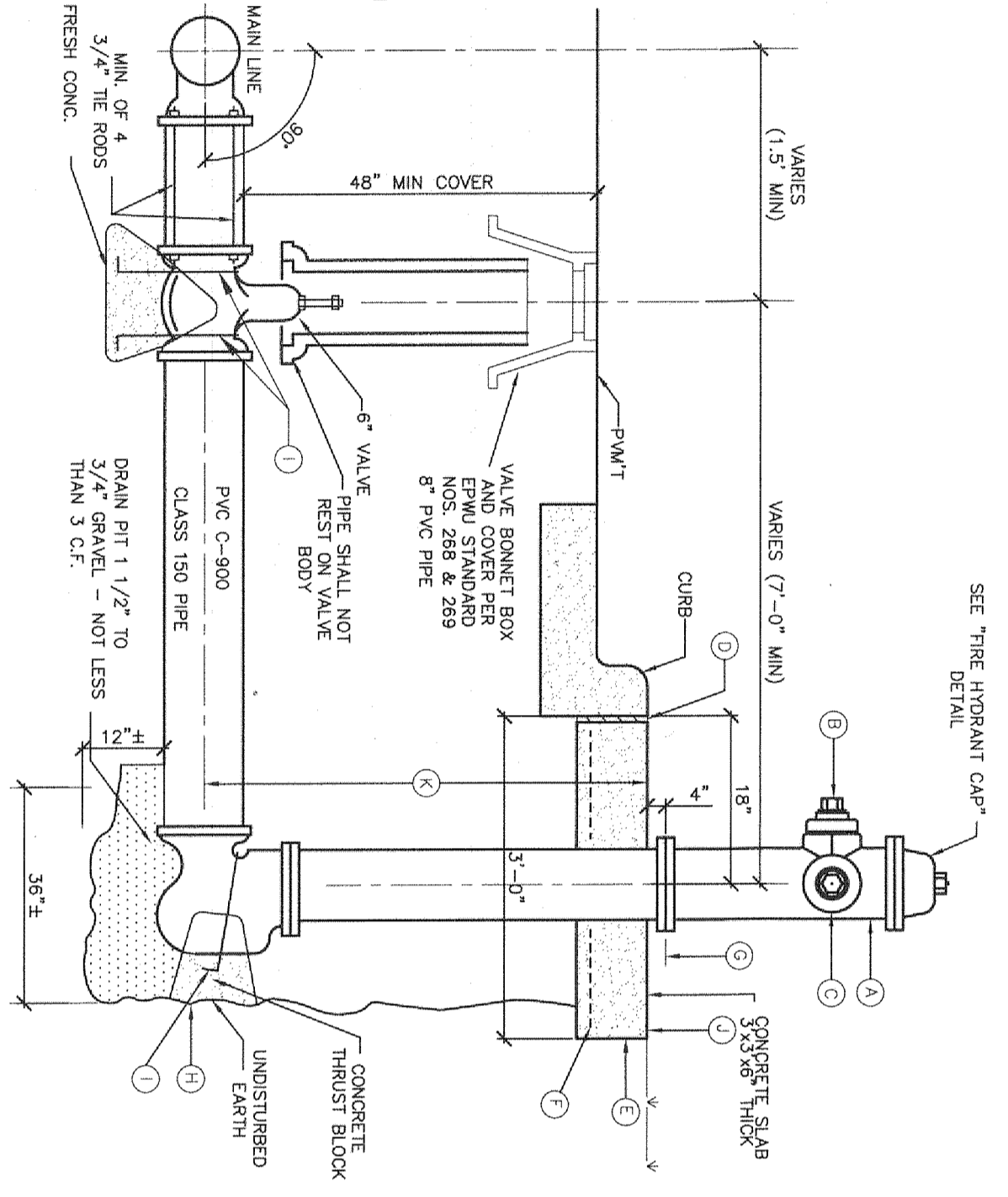
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INLET MODIFICATION DETAIL  
SCALE 1/2" = 1'-0"

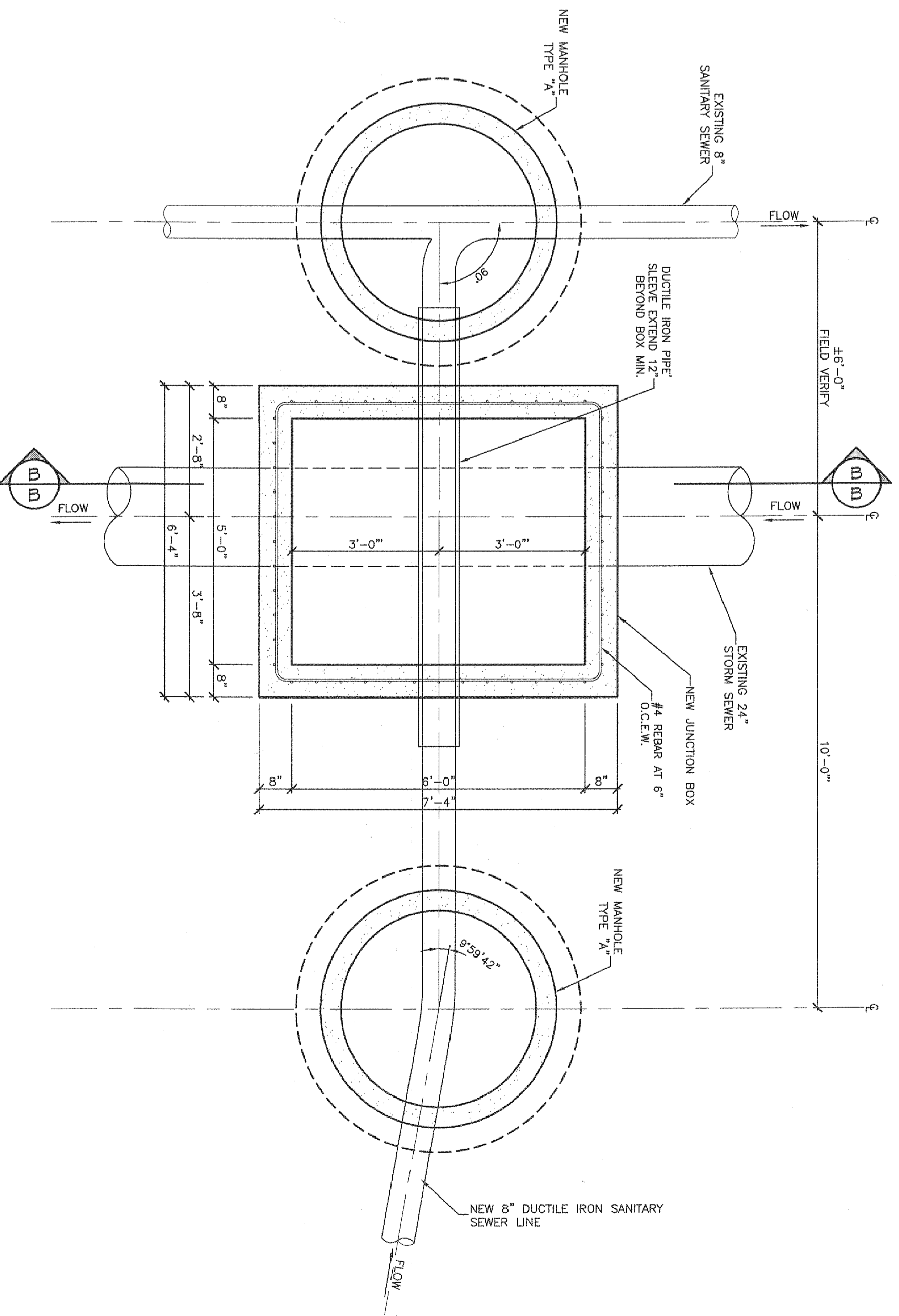
EXISTING TYPE I INLET TO BE MODIFIED TO A TYPE II (SMA) TO FIELD ADJUST AS REQUIRED. CONTRACTOR TO FIELD ADJUST AS REQUIRED BASED ON ACTUAL DIMENSIONS AND ELEVATIONS.

- CONSTRUCTION NOTES:**
- FIRE HYDRANT SHALL BE INSTALLED IN ACCORDANCE WITH AWWA C-502 AND SHALL HAVE PROTECTIVE EPOXY INTERIOR COATINGS COMPLYING WITH AWWA C-550.
  - PUMPER NOZZLE 4 1/2" FACING TRAVELED WAY.
  - HOSE NOZZLE 2 1/2"
  - 1/2" PREMOULDED EXPANSION JOINT WITH 1" TOP TILER.
  - 3x3x6" CONCRETE SQUARE PAD, TO BE CONSTRUCTED AROUND FIRE HYDRANT'S CENTER LINE WHEN NOT LOCATED WITHIN SIDEWALK OR CONCRETE AREA.
  - #10, 6/6 WWF.
  - CONTROLLED ELEV. LINE, LEVEL IN ALL DIRECTIONS.
  - CONCRETE THRUST BLOCK, APPROXIMATELY 2'x 2'x3' TO BE POURED AGAINST UNDISTURBED EARTH. F.H. WEEP HOLE MUST BE UNOBSERVED.
  - 2'x1/4" STEEL ANCHOR PINS. PAINT UNEMBEDDED PORTION OF BARS WITH 2 COATS OF COAL TAR EPOXY.
  - TOP OF SLAB SHALL BE AT CURB LEVEL 4" BELOW THE BREAK LINE OF THE HYDRANT.
  - CONTRACTOR SHALL PROVIDE ADDITIONAL SPOOLS IF NEEDED TO MAINTAIN THE 4" MINIMUM CLEARANCE FROM THE CONTROLLED ELEV. LINE TO TOP OF SLAB.
  - FIRE HYDRANT SHALL COMPLY WITH EL PASO PSP STANDARDS, ACCEPTABLE MANUFACTURERS AND MODELS INCLUDE: KENNEDY GUARDIAN, KBI, WUELLER CENTURION, CLOW MEDALLION, AMERICAN DARLING 8848, AND US PIPE METRO-DITMA 250.
  - NO GERTH OR OTHER BRANDS SHALL BE PERMITTED WITHIN GENERAL LINES.
  - F.I.C.O. FIRE INSTALL SHALL BE PERMITTED WITHIN GENERAL LINES.
  - CONTRACTOR SHALL BE RESPONSIBLE FOR SETTING TOP FLANGE OF FIRE HYDRANT TO THE CONTROLLED ELEVATION LINE.
  - PROPERTY LINE COMMON TO ADJOINING LOTS, UNLESS OTHERWISE SHOWN ON PLANS.
  - TRAVELED WAY, UNLESS OTHERWISE NOTED ON PLANS.
  - VALVE MAY BE CONNECTED TO THE AT MAIN WATER MAIN.
  - WHERE SPACERS ARE REQUIRED BETWEEN TIE AND VALVE, USE FLANGED MECHANICAL ENDS WITH 3/4" DIAMETER THE ROOS.

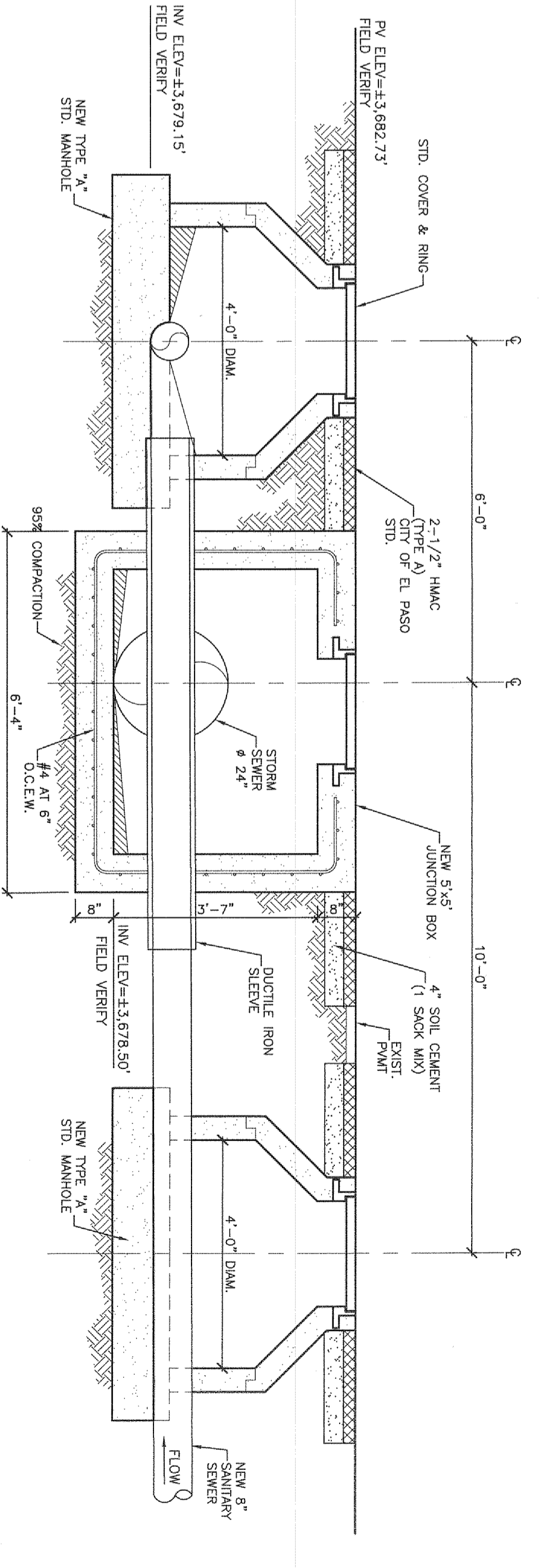


FIRE HYDRANT DETAIL  
TYPICAL FIRE HYDRANT INSTALLATION  
SCALE 1/2" = 1'-0"

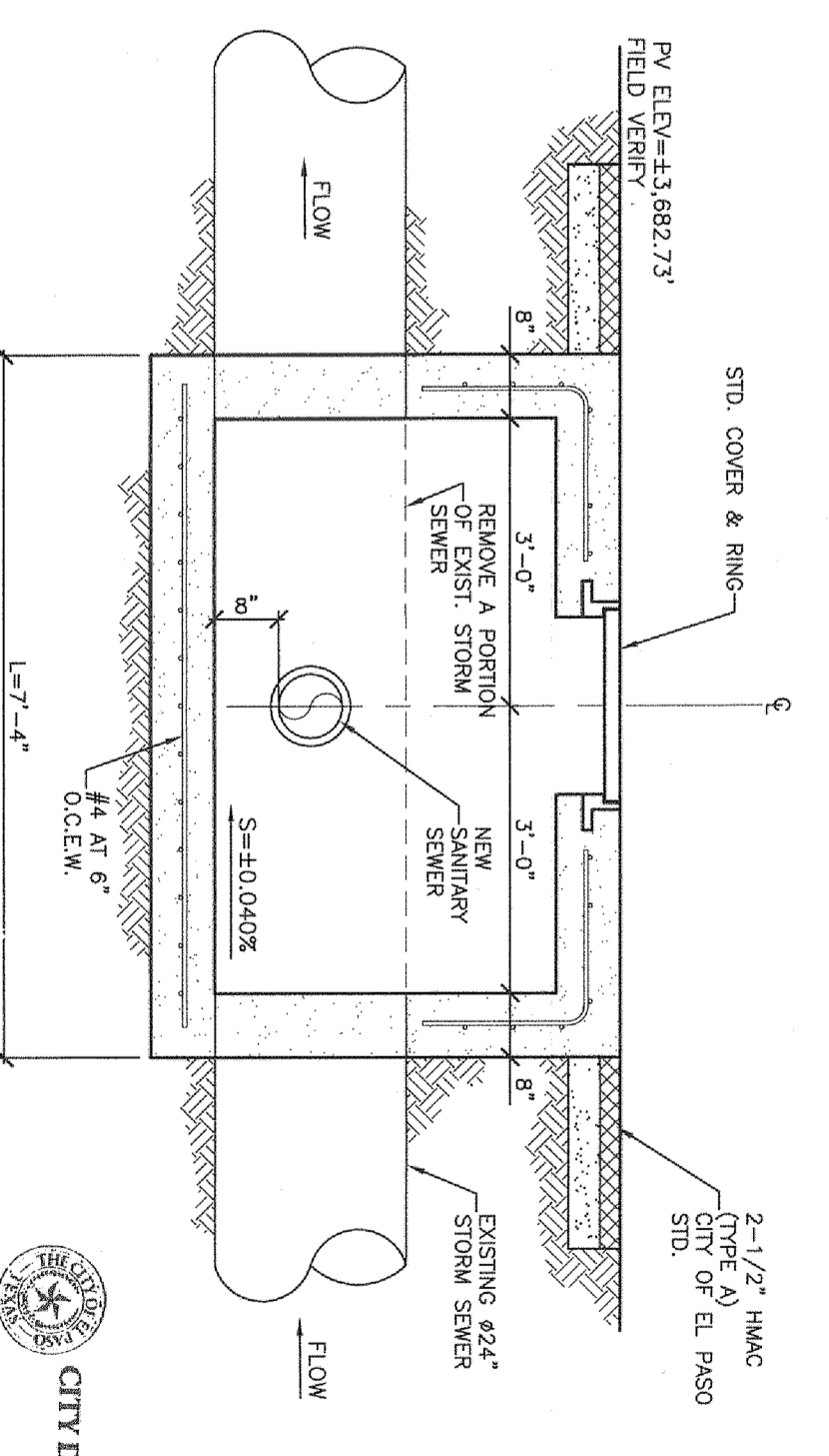
**BENCHMARK:**  
EXISTING CITY MONUMENT FOUND AT THE INTERSECTION OF COLLINGSWORTH STREET AND SIMPIA DRIVE.  
ELEVATION = 3685.84 CITY DATUM (3.68311 FT EPW/798 DATUM)  
ALL ELEVATION ON THIS SHEET SHOWN ARE BASED ON EPWU DATUM.  
ELEVATIONS SHOWN ON THE SUBDIVISION IMPROVEMENT PLANS ARE BASED ON CITY DATUM.  
EQUATION BETWEEN CITY DATUM AND EPWU IS FOUND TO BE APPROXIMATELY +2.73-FT FOR THIS PROJECT IN PARTICULAR.



JUNCTION BOX - PLAN VIEW  
SCALE 1/2" = 1'-0"



JUNCTION BOX - SECTION VIEW  
SCALE 1/2" = 1'-0"



JUNCTION BOX - SECTION B  
SCALE 1/2" = 1'-0"

REFERENCE BENCHMARK:  
EXISTING CITY MONUMENT FOUND AT THE INTERSECTION OF COLLINGSWORTH STREET AND SIMPIA DRIVE.  
ELEVATION : 3685.84 CITY DATUM

REVISIONS		
NO.	DATE	DESCRIPTION
1	10-07-13	CITY COMMENTS
2		
3		

PROJECT NAME:  
**DIVINE DELTA SUBDIVISION**  
A PORTION OF LOTS 20 AND 21, BLOCK 6,  
ALAMEDA ACRES, CITY OF EL PASO,  
EL PASO COUNTY, TEXAS CONTAINING ±1.89-ACRES

ISSUED PURPOSE:  
CITY APPROVAL

PROJECT NO.:  
12057

SCALE:  
SHOWN

ISSUED DATE:  
CITY APPROVAL

PREPARED BY:  
**SITWORK**  
ENGINEERING, P.C.  
TX REG. NO. F-5607

444 EXECUTIVE CENTER, SUITE 134 - EL PASO, TX - 79902  
PHONE (915) 351-8033 - FAX (915) 351-8055

CITY OF EL PASO  
ENGINEER  
JOSE A. GARCIA  
REGISTERED PROFESSIONAL ENGINEER  
NO. 101710


CITY DEVELOPMENT DEPARTMENT  
**REVIEWED**

SHEET TITLE:  
STORM SEWER MODIFICATIONS

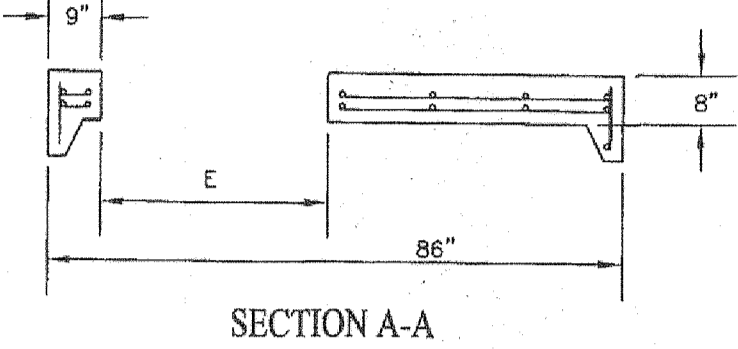
SHEET NO.:  
**U-2**

DATE:  
9 - 10

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**ENGINEERING DEPARTMENT**  
DESIGN STANDARDS  
FOR CONSTRUCTION

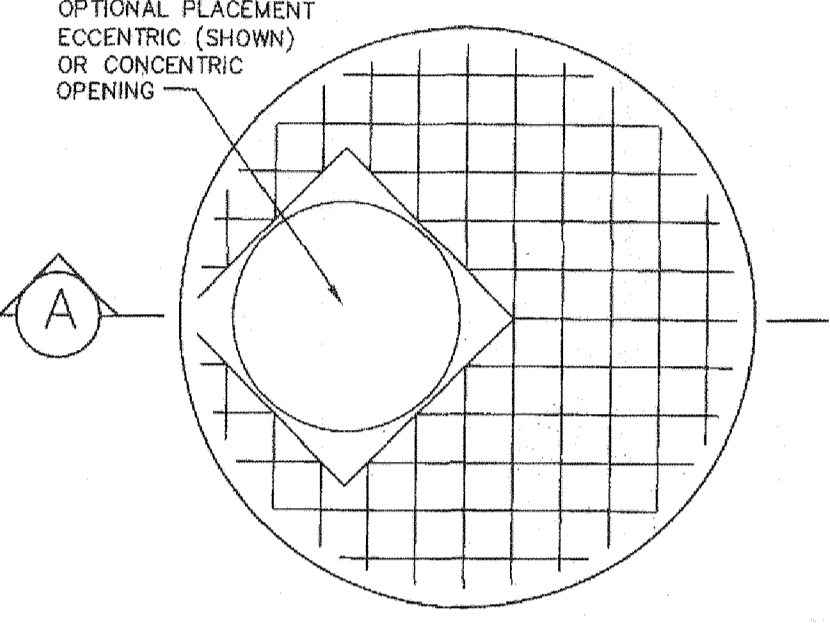


**SECTION A-A**

**GENERAL NOTES:**

- ALL JOINTS TO BE TONGUE AND GROOVE AND SEALED WITH RAM-NEK OR EQUAL.
- MANUFACTURER TO PROVIDE LIFTERS OF ADEQUATE SIZE AS NEEDED.

**ENGINEERING DEPARTMENT**  
DESIGN STANDARDS  
FOR CONSTRUCTION



**MANHOLE COVER FOR TYPE 72" MANHOLE**


**CONSTRUCTION KEY NOTES:**

- 4000 P.S.I. CONCRETE 28 DAYS.
- KEYLOCK ADDS 8" TO VERTICAL HEIGHT.
- RING & COVER OR SPECIAL LIDS TO MEET REQUIREMENTS. MAY BE CAST IN PLACE.
- REINFORCING SHALL MEET A.S.T.M. C478-87 AND TRAFFIC LOADING (HS-20).
- SIZE TO ACCOMMODATE TYPE 72" DIAMETER MANHOLE RING.

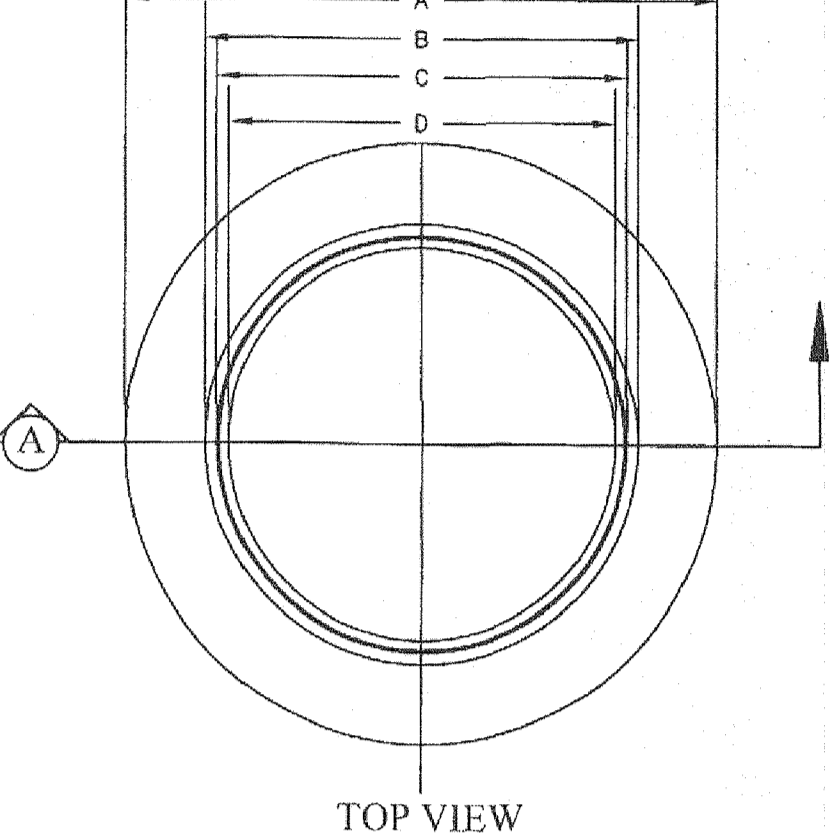
Approved By: H.A. SHERBERT  
Date: JUNE 01, 2008  
Checked By: GREG J. B.

CONCRETE MANHOLE COVER FOR TYPE 72" MANHOLE  
2-24

Approved By: H.M.E.  
Date: JUNE 01, 2008  
Checked By: GREG J. B.



**ENGINEERING DEPARTMENT**  
DESIGN STANDARDS  
FOR CONSTRUCTION

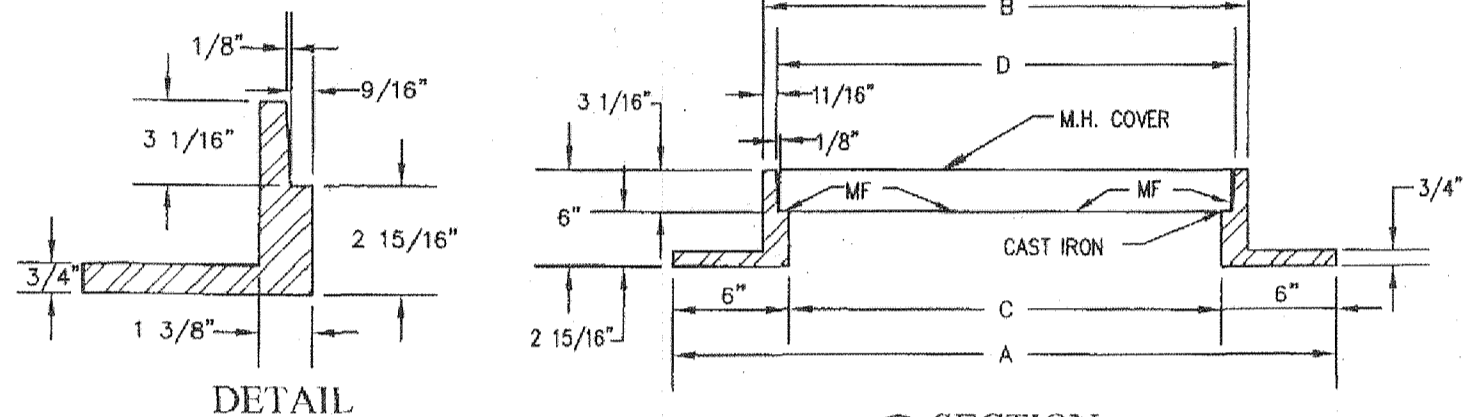


**TOP VIEW**

**NOTE:**

- MATCHING SURFACES MARKED "MF" TO BE MACHINE FINISHED OF ANY IRREGULARITIES THAT WOULD PREVENT A SNUG FIT.
- CASTING TO BE SMOOTH AND VOID OF AIR HOLES.

**ENGINEERING DEPARTMENT**  
DESIGN STANDARDS  
FOR CONSTRUCTION




**DETAIL**

MANHOLE RING	48" MANHOLE	72" MANHOLE
WEIGHT	165 LBS.	225 LBS.
A	2'-10 1/2"	3'-6"
B	2'-1 1/4"	2'-8 3/4"
C	1'-10 1/2"	2'-6"
D	1'-11 7/8"	2'-7 3/8"

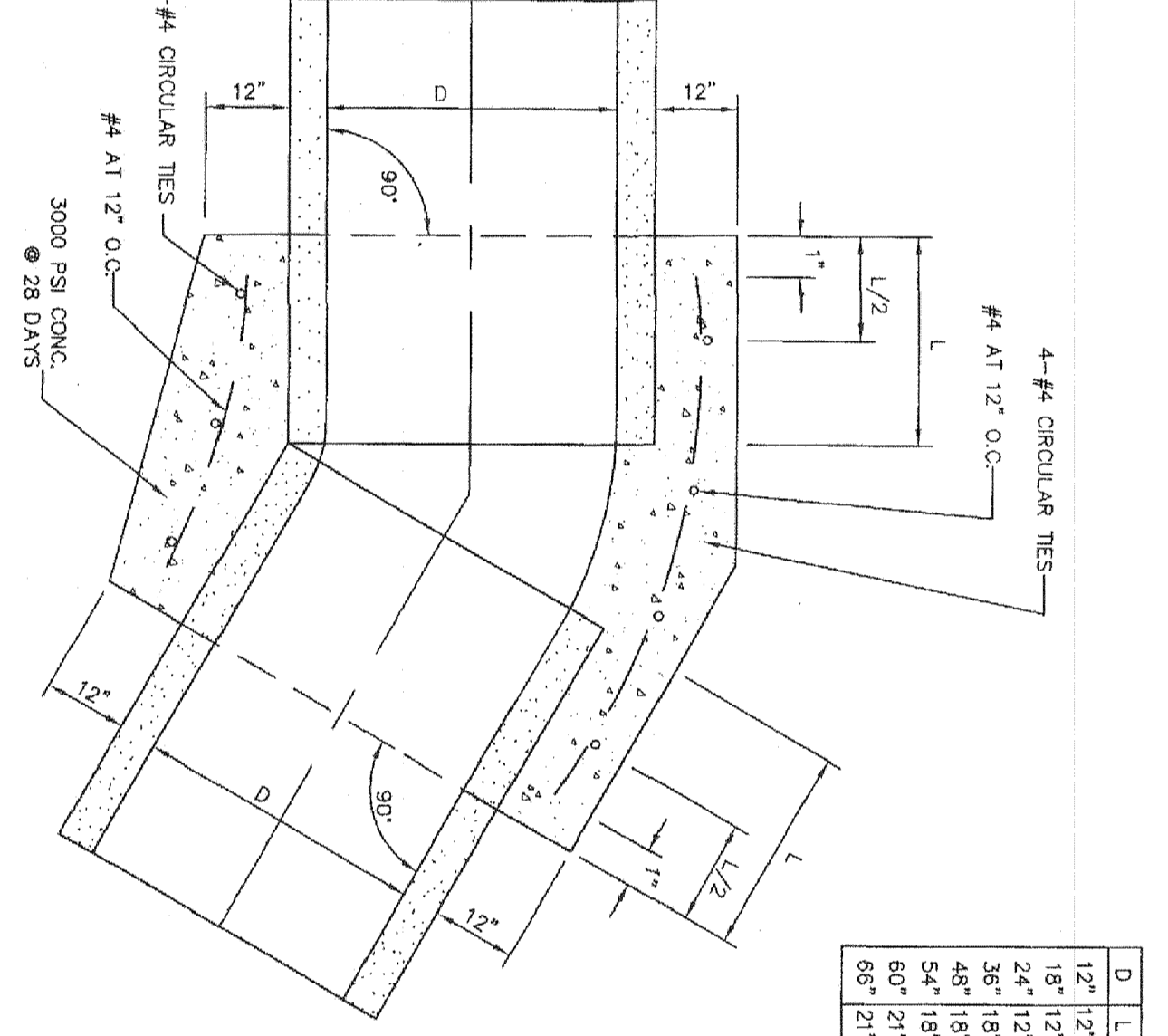
Approved By: H.A. SHERBERT  
Date: JUNE 01, 2008  
Checked By: GREG J. B.

MANHOLE RING  
2-16

Approved By: H.M.E.  
Date: JUNE 01, 2008  
Checked By: GREG J. B.



**ENGINEERING DEPARTMENT**  
DESIGN STANDARDS  
FOR CONSTRUCTION



**CONCRETE PIPE COLLAR**


**GENERAL NOTES:**

- CONCRETE COLLAR IS CASTED IN PLACE AND SHALL BE CAST TO THE SAME ELEVATION AS THE PIPE.
- REINFORCING SHALL MEET A.S.T.M. C478-87 AND TRAFFIC LOADING (HS-20).

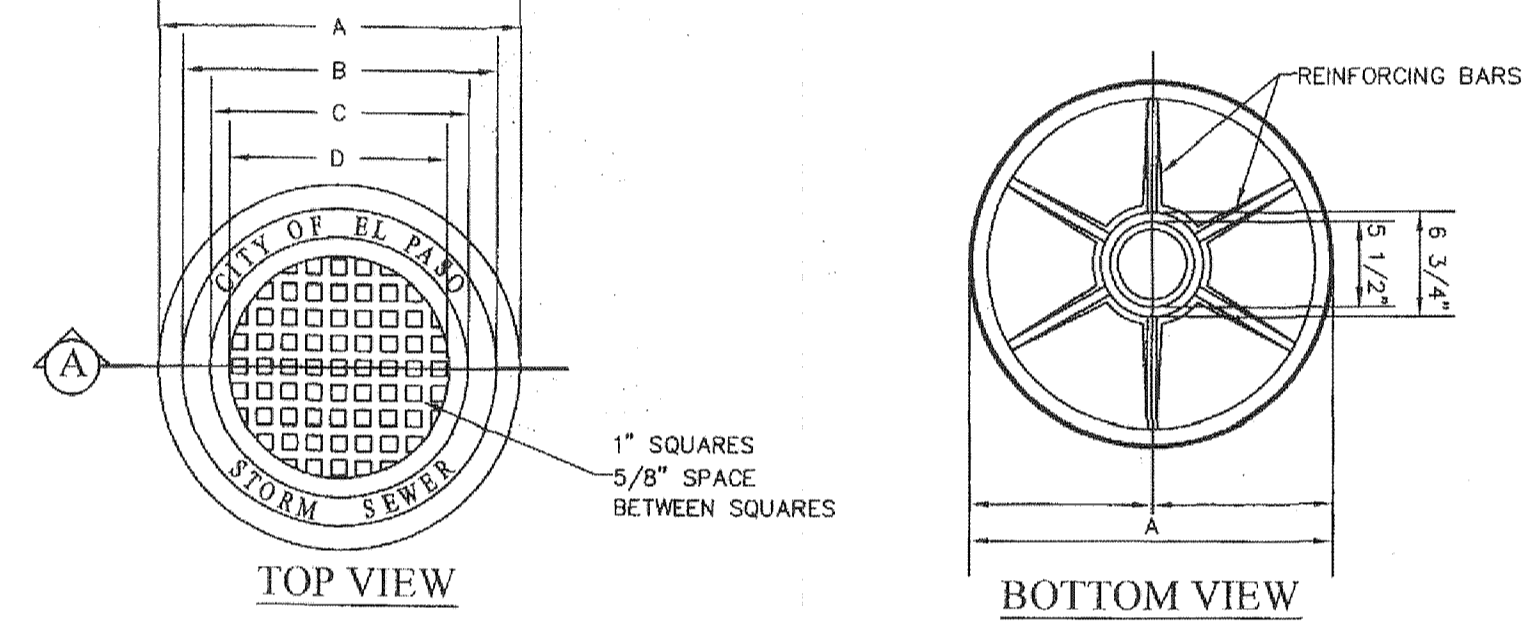
**ENGINEERING DEPARTMENT**  
DESIGN STANDARDS  
FOR CONSTRUCTION

CONCRETE PIPE COLLAR  
2-23

Approved By: H.A. SHERBERT  
Date: JUNE 01, 2008  
Checked By: GREG J. B.



**ENGINEERING DEPARTMENT**  
DESIGN STANDARDS  
FOR CONSTRUCTION

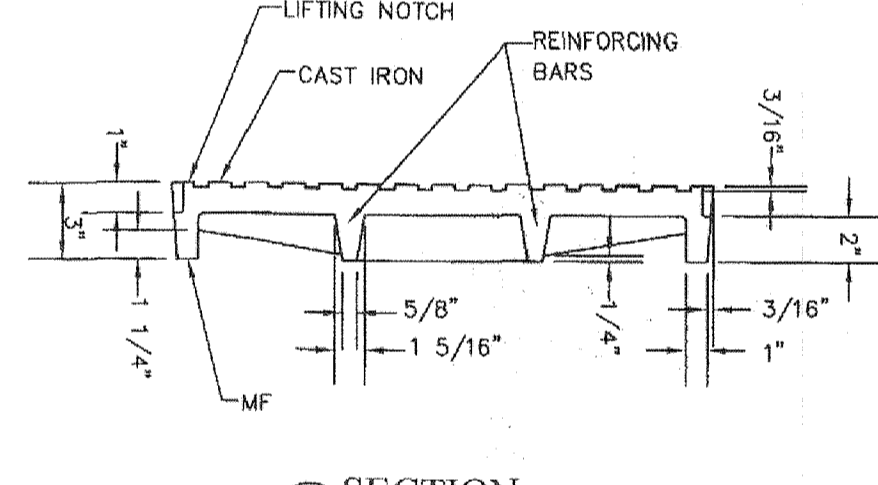


**TOP VIEW**

**GENERAL NOTES:**

- MATCHING SURFACES MARKED "MF" TO BE MACHINE FINISHED OF ANY IRREGULARITIES THAT WOULD PREVENT A SNUG FIT.
- CASTING TO BE SMOOTH AND VOID OF AIR HOLES.

**ENGINEERING DEPARTMENT**  
DESIGN STANDARDS  
FOR CONSTRUCTION




**SECTION**

MANHOLE COVER	48" MANHOLE	72" MANHOLE
WEIGHT	175 LBS.	310 LBS.
A	1'-11 3/4"	2'-7 1/4"
B	1'-8 5/8"	2'-4 1/8"
C	1'-4 7/8"	2'-3 3/8"
D	1'-2 3/8"	1'-9 7/8"
E	11 7/8"	1'-3 5/8"

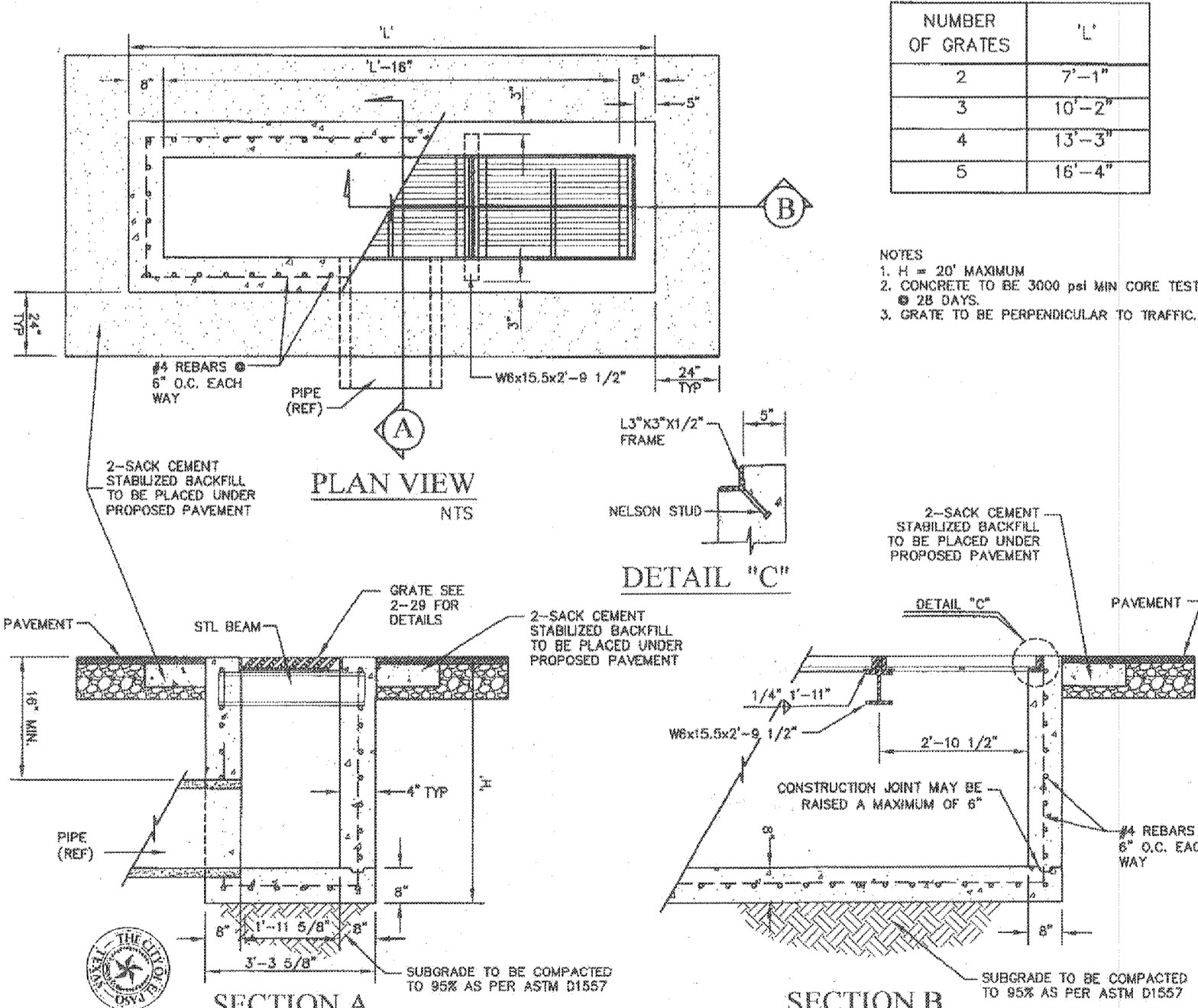
Approved By: H.A. SHERBERT  
Date: JUNE 01, 2008  
Checked By: GREG J. B.

MANHOLE COVER  
2-17

Approved By: H.M.E.  
Date: JUNE 01, 2008  
Checked By: GREG J. B.



**ENGINEERING DEPARTMENT**  
DESIGN STANDARDS  
FOR CONSTRUCTION



**PLAN VIEW**

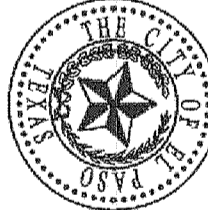
**NUMBER OF GRATES**

NUMBER OF GRATES	L'
2	7'-1"
3	10'-2"
4	13'-3"
5	16'-4"

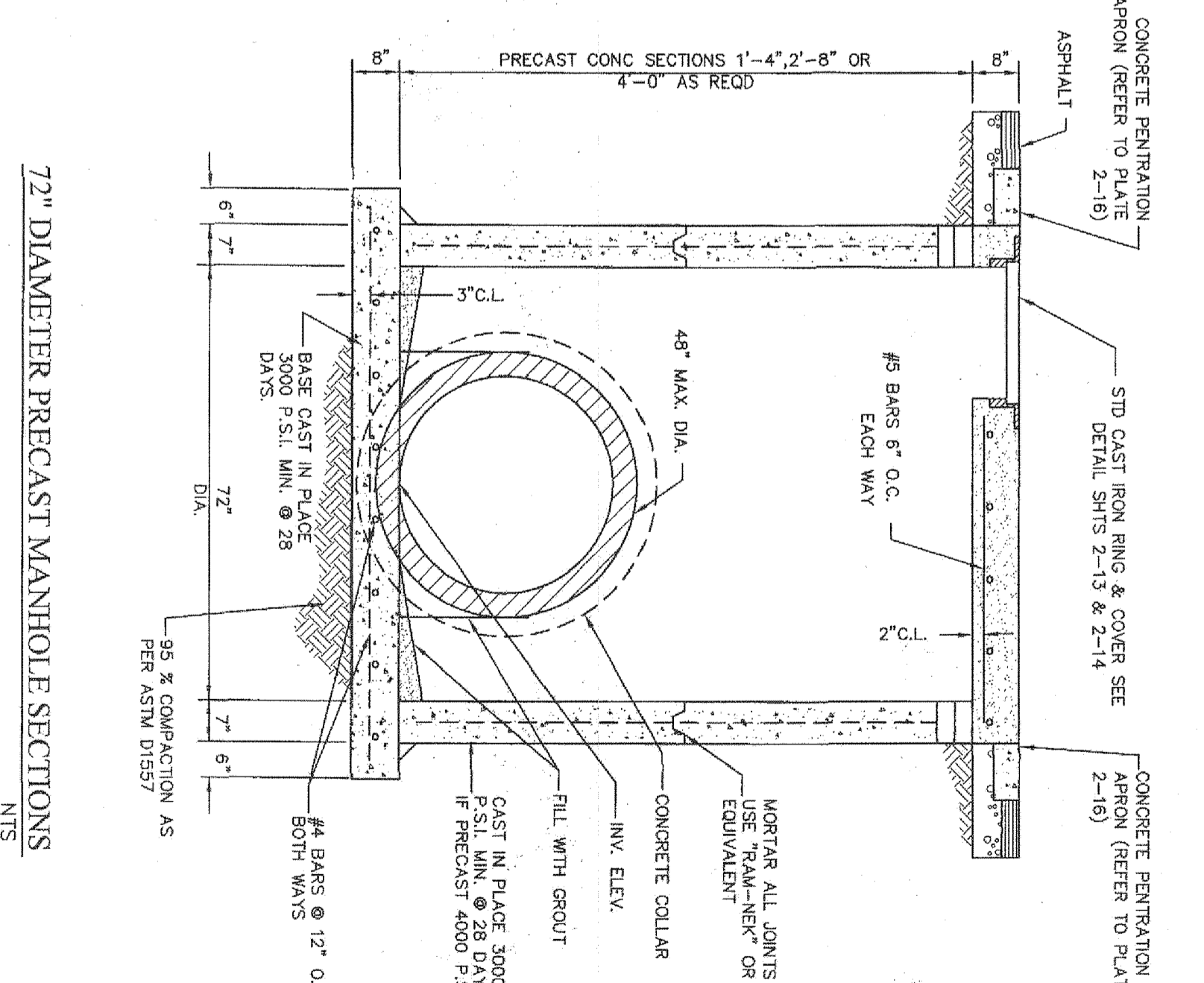
**ENGINEERING DEPARTMENT**  
DESIGN STANDARDS  
FOR CONSTRUCTION

DROP INLET TYPE III  
2-21

Approved By: H.A. SHERBERT  
Date: JUNE 01, 2008  
Checked By: GREG J. B.



**ENGINEERING DEPARTMENT**  
DESIGN STANDARDS  
FOR CONSTRUCTION



**72" DIAMETER PRECAST MANHOLE SECTIONS**

**GENERAL NOTES:**

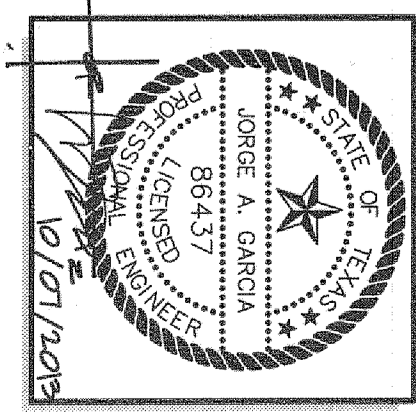
- CONCRETE TO BE 4000 P.S.I. MIN. 28 DAYS.
- REINFORCING SHALL MEET A.S.T.M. C478-87 AND TRAFFIC LOADING (HS-20).

**ENGINEERING DEPARTMENT**  
DESIGN STANDARDS  
FOR CONSTRUCTION


72" DIAMETER PRECAST MANHOLES  
2-22

Approved By: H.A. SHERBERT  
Date: JUNE 01, 2008  
Checked By: GREG J. B.

SHEET TITLE: STORM SEWER MODIFICATIONS  
SHEET NO. U-3  
DATE: 10/01/2008



PREPARED BY:



**SITWORK**  
ENGINEERING, LLC  
TX REG. NO. 7-5607

444 EXECUTIVE CENTER, SUITE 134 - EL PASO, TX - 79902  
PHONE (915) 351-8033 - FAX (915) 351-8055

ISSUED FOR: CITY APPROVAL

PROJECT NAME: **DIVINE DELTA SUBDIVISION**

A PORTION OF LOTS 20 AND 21, BLOCK 6, ALAMEDA ACRES, CITY OF EL PASO, EL PASO COUNTY, TEXAS CONTAINING ±1.89-ACRES

REFERENCE BENCHMARK: EXISTING CITY MONUMENT FOUND AT THE INTERSECTION OF COLLINGSWORTH STREET AND SIMPIA DRIVE. ELEVATION: 3685.84 CITY DATUM

NO.	DATE	DESCRIPTION
1	10-07-13	CITY COMMENTS
2		
3		