

# LEGEND

## MATERIALS

CONCRETE  
RIP-RAP

## LINES

SUBDIVISION BOUNDARY  
PROPERTY LINE (PLAN)  
PROPERTY LINE (SECTION)  
CENTERLINE  
EASEMENT LINE  
MATCH LINE  
SECTION CUT LINE

## EARTHWORK

CONTOUR LINE  
SPOT ELEVATION  
PROJECT / PHASE BOUNDARY  
FLOWLINE  
DIRECTION OF FLOW

## MISCELLANEOUS UTILITIES

GAS LINE  
UNDERGROUND TELEPHONE  
UNDERGROUND ELECTRICAL  
STORM DRAIN  
STORM DRAIN MANHOLE  
STORM DRAIN INLET

## SANITARY SEWER

SANITARY SEWER LINE  
SANITARY SEWER MANHOLE  
SAS SERVICE CONNECTIONS  
SAS CAP OR PLUG  
ENCASEMENT

## WATER

WATER LINE  
WATER SERVICE CONNECTIONS  
GATE VALVE  
FIRE HYDRANT  
BUTTERFLY VALVE  
REDUCER  
WATER PRESSURE ZONE BOUNDARY

## WATER FITTINGS

CAPS AND PLUGS  
ELBOW  
CROSS  
TEE

## MISCELLANEOUS

CHAINLINK FENCE  
FIELD FENCE  
COMMON YARD WALL  
RETAINING WALL  
POWER OR TELEPHONE POLE

2

# RECORD DRAWING CONSTRUCTION PLANS

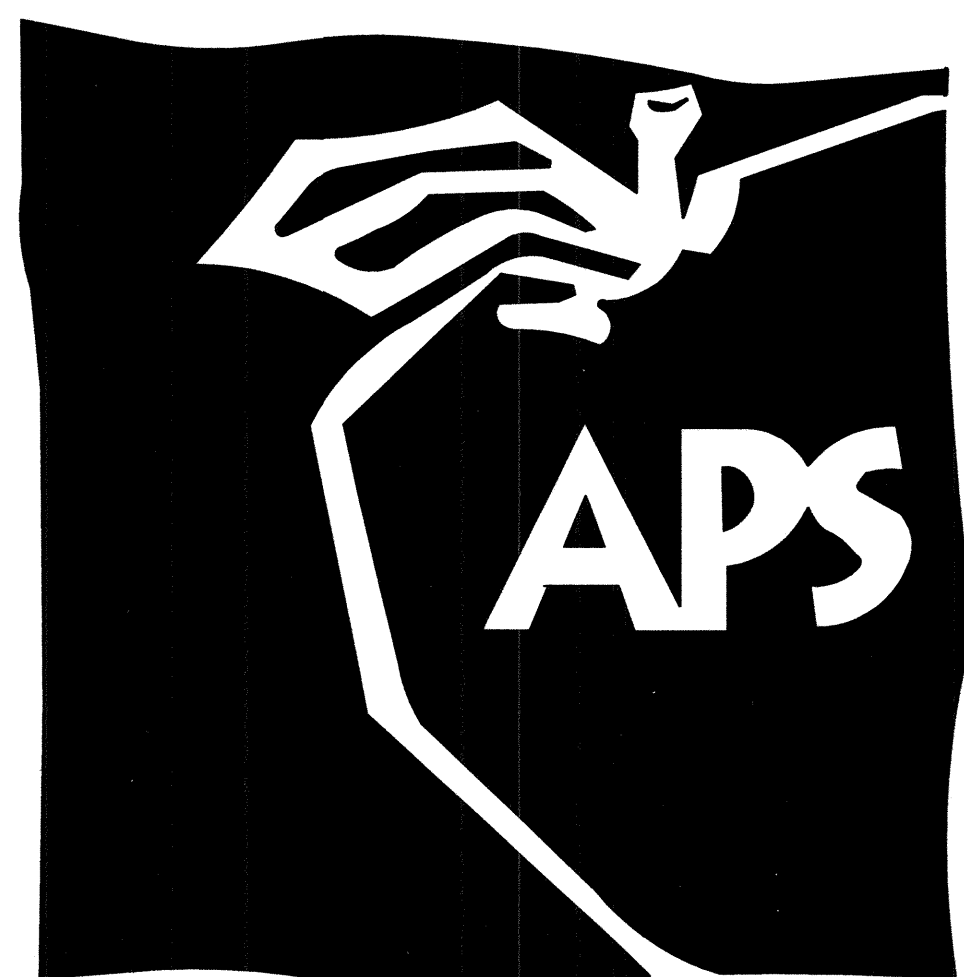
for

## MASTER DRAINAGE PLAN IMPROVEMENTS - PHASE 2-B

# ALBUQUERQUE HIGH SCHOOL

ALBUQUERQUE, NEW MEXICO

JUNE, 2009



### ENGINEER'S CERTIFICATION

I, JEFFREY G. MORTENSEN, NMPE 8547, OF THE FIRM HIGH MESA CONSULTING GROUP, HEREBY CERTIFY THAT THIS PROJECT HAS BEEN GRADED, DRAINED AND CONSTRUCTED IN SUBSTANTIAL COMPLIANCE WITH AND IN ACCORDANCE WITH THE DESIGN INTENT OF THE APPROVED PLAN DATED 06-05-2009. THE RECORD INFORMATION EDITED ONTO THE ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY ME OR UNDER MY DIRECT SUPERVISION AS SUPPLEMENTAL SITE DATA COMBINED WITH RECORD INFORMATION OBTAINED FROM THE AS-BUILT SURVEY PERFORMED UNDER THE DIRECT SUPERVISION OF JOSEPH M. SOLOMON, JR., (NMPS 15075) OF THE FIRM HIGH MESA CONSULTING GROUP AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS CERTIFICATION IS SUBMITTED TO DOCUMENT COMPLETION OF THOSE IMPROVEMENTS IDENTIFIED ON THE APPROVED PLAN FOR THE OWNER AND THE CITY OF ALBUQUERQUE AS A CONDITION OF GRADING AND DRAINAGE PLAN APPROVAL.

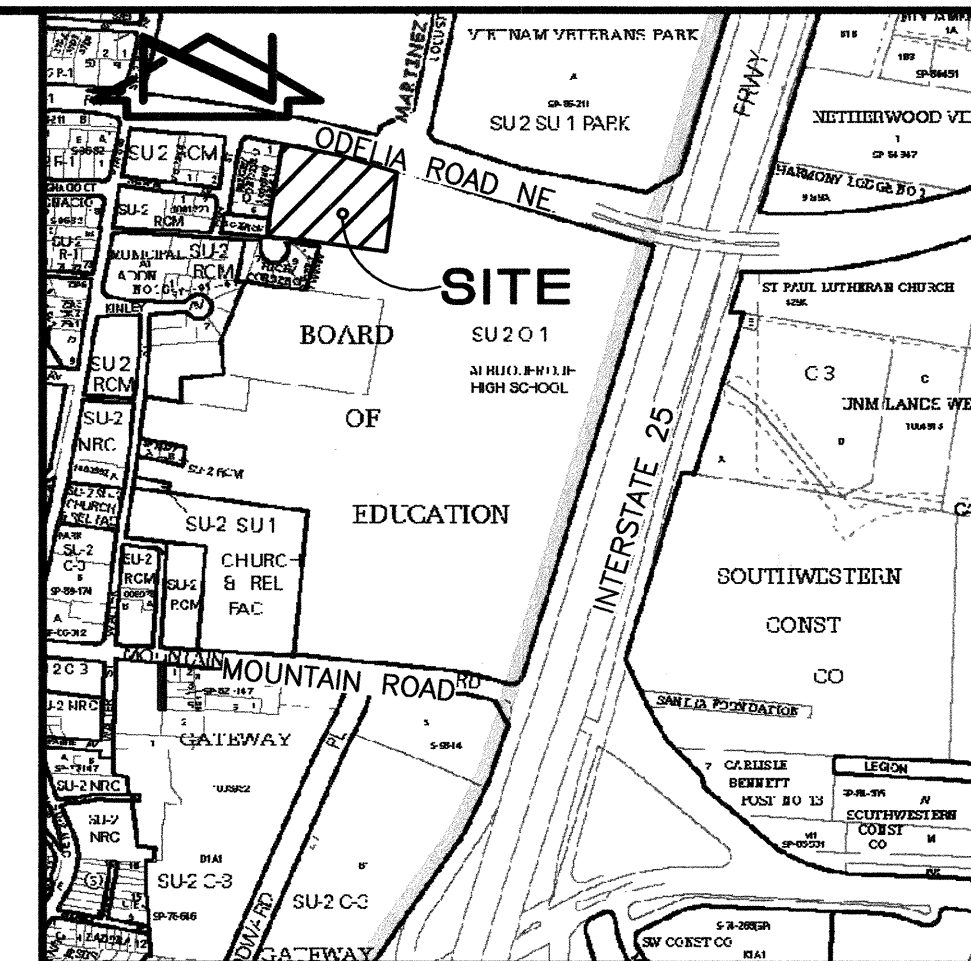
THE RECORD INFORMATION PRESENTED HEREON IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE GRADING AND DRAINAGE AND LIMITED SPECIFIC ASPECTS OF THIS PROJECT. THIS CERTIFICATION DOES NOT ADDRESS ADA COMPLIANCE WHICH IS BEYOND THE SCOPE OF GRADING AND DRAINAGE. THOSE RELYING ON THIS RECORD DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE.

JEFFREY G. MORTENSEN  
NMPE NO. 8547  
01-11-2010  
01-26-2010

## INDEX OF DRAWINGS

SHEET	DESCRIPTION
1	COVER SHEET, VICINITY MAP, GENERAL NOTES, LEGEND AND INDEX OF DRAWINGS
2	DRAINAGE PLAN & CALCULATIONS
3	DEMOLITION PLAN - NORTH
4	DEMOLITION PLAN - SOUTH
5	GRADING AND LAYOUT PLAN - NORTH
6	GRADING AND LAYOUT PLAN - SOUTH
7	STORM DRAIN PLAN AND PROFILE
8	STORM INLET SECTIONS AND DETAILS
9	POND AND SPILLWAY SECTIONS AND DETAILS
10	PAVING AND DRAINAGE SECTIONS AND DETAILS
11	MANHOLE AND STANDPIPE SECTIONS AND DETAILS
12	EROSION CONTROL PLAN - NORTH
13	EROSION CONTROL PLAN - SOUTH
14	EROSION CONTROL PLAN NOTES AND DETAILS

A3 INDEX OF DRAWINGS  
N.T.S.



D6 VICINITY MAP  
SCALE: 1" = 750'

## GENERAL NOTES

- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE NEW MEXICO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION REVISED 12/2006.
- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM, 260-1990, (ALBUQUERQUE AREA) 1-800-321-ALERT (2537) (STATEWIDE) FOR LOCATION OF EXISTING PUBLIC UTILITIES AND ABASTO UTILITY LOCATING COMPANY (889-3341) FOR THE LOCATION OF EXISTING PRIVATE UTILITIES ON APS PROPERTY.
- IF ANY UTILITY 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 LOCATION IS BASED UPON INFORMATION PROVIDED BY THE OWNER OF SAID UTILITY, AND THE INFORMATION MAY BE INCOMPLETE, OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES. THE ENGINEER HAS CONDUCTED ONLY PRELIMINARY INVESTIGATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES. THIS INVESTIGATION IS NOT CONCLUSIVE, AND MAY NOT BE COMPLETE, THEREFORE, MAKES NO REPRESENTATION PERTAINING THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFORE. THE CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE, PIPELINE, OR UNDERGROUND UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING UTILITIES, PIPELINES, AND UNDERGROUND UTILITY LINES. IN PLANNING AND CONDUCTING EXCAVATION, THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES.
- SHOULD A CONFLICT EXIST BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS, THE CONTRACTOR SHALL PROMPTLY NOTIFY THE ENGINEER IN WRITING SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY FOR ALL PARTIES.
- THE CONTRACTOR SHALL MAINTAIN ACCESS TO ADJACENT PROPERTIES DURING CONSTRUCTION.
- ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING SAFETY AND HEALTH.
- THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE SITE INTO PUBLIC RIGHT-OF-WAY OR ONTO PRIVATE PROPERTY.
- THE CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY SO THAT THE EXCAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET.
- CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE ENGINEER MAY TAKE NECESSARY MEASURES TO ENSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB ANY PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE ENGINEER AND SHALL NOTIFY THE ENGINEER AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE ENGINEER. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATION OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED.
- ALL PAVEMENT MARKINGS AND TRAFFIC SIGNS SHALL COMPLY WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) PUBLISHED BY THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION, LATEST EDITION.
- IF THE REMOVAL OF EXISTING CURB AND GUTTER, SIDEWALK, AND/OR PAVING IS REQUIRED, THE CONTRACTOR SHALL SAWCUT AND/OR REMOVE TO THE NEAREST JOINT. WHEN ABUTTING NEW PAVEMENT TO EXISTING, THE CONTRACTOR SHALL CUT BACK THE EXISTING PAVING TO A STRAIGHT LINE IN ORDER TO REMOVE ANY BROKEN OR CRACKED PAVEMENT. CURB AND GUTTER AND/OR PAVEMENT SHOWN AS EXISTING AND NOT TO BE REMOVED UNDER THIS CONTRACT AND WHICH IS DAMAGED OR DISPLACED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
- A DISPOSAL SITE FOR ALL EXCESS EXCAVATION MATERIAL (CONTAMINATED OR OTHERWISE), ASPHALTIC PAVING, CONCRETE PAVING, ETC. SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE REGULATIONS. ALL COSTS INCURRED IN OBTAINING A DISPOSAL SITE AND IN HAUL THERETO SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION, THEREFORE, NO SEPARATE PAYMENT SHALL BE MADE.
- A BORROW SITE FOR IMPORT MATERIAL SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE REGULATIONS. ALL COSTS INCURRED IN OBTAINING A BORROW SITE AND IN HAUL THERETO SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION, THEREFORE, NO SEPARATE PAYMENT SHALL BE MADE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SAFELY OBTAINING THE REQUIRED COMPACTION. THE CONTRACTOR SHALL SELECT AND USE METHODS WHICH SHALL NOT BE INJURIOUS OR DAMAGING TO THE EXISTING FACILITIES AND STRUCTURES WHICH SURROUND THE WORK AREAS.
- THE CONTRACTOR SHALL CONFINE HIS WORK WITHIN THE CONSTRUCTION LIMITS IN ORDER TO PRESERVE THE EXISTING IMPROVEMENTS AND SO AS NOT TO INTERFERE WITH THE OPERATIONS OF THE EXISTING FACILITIES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SELECTING APPROPRIATE MEANS AND METHODS TO EXCAVATE AND TRENCH AND/OR INSTALL PIPE SO AS TO NOT EXCEED RIGHT-OF-WAY OR EASEMENT LIMITS, AND SO AS NOT TO INTERFERE WITH OTHER UTILITIES OR IMPROVEMENTS. THIS SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING, SUPPORTING AND REPLACING, IF DAMAGED, ALL UTILITIES ENCOUNTERED DURING CONSTRUCTION. THIS SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.
- ALL DIMENSIONS AND RADI OF CURB, CURB RETURNS, AND WALLS ARE SHOWN TO THE FACE OF CURB AND/OR WALL.
- THE CONTRACTOR SHALL NOTIFY THE OWNER 48 HOURS PRIOR TO STRIPING SO THAT LAYOUT CAN BE VERIFIED.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL POTENTIAL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL INTERPRETATIONS IT MAKES WITHOUT FIRST CONTACTING THE ENGINEER AS REQUIRED ABOVE.
- WHEN APPLICABLE, CONTRACTOR SHALL SECURE, ON BEHALF OF THE OWNER AND OPERATORS, "TOPSOIL DISTURBANCE PERMIT" FROM THE CITY AND/OR FILE A NOTICE OF INTENT (N.O.I.) WITH THE EPA PRIOR TO BEGINNING CONSTRUCTION.
- ALL FILL SHALL BE FREE FROM VEGETATION, DEBRIS, AND OTHER DELETERIOUS MATERIALS.
- ALL FILL SHALL BE COMPACTED TO A MINIMUM OF 95% ASTM D-1557 UNLESS A GREATER COMPACTION REQUIREMENT IS OTHERWISE SPECIFIED.
- CAUTION: THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY WHICH SHALL REMAIN THE RESPONSIBILITY OF THE CONTRACTOR. ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926, SUBPART P-EXCAVATIONS.

JOB NO. 2007.183.7

REV.	SHEETS	CITY	ENGINEER	DATE	USER	DEPARTMENT	DATE	USER	DEPARTMENT	DATE

APPROVAL OF REVISIONS

 6010-B MIDWAY PARK BLVD. NE • ALBUQUERQUE, NEW MEXICO 87109 PHONE: 505.345.4250 • FAX: 505.345.4254 • www.highmesacg.com	APPROVED FOR CONSTRUCTION N/A C.E. SHEET 1 OF 14
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(A1)

(A1)

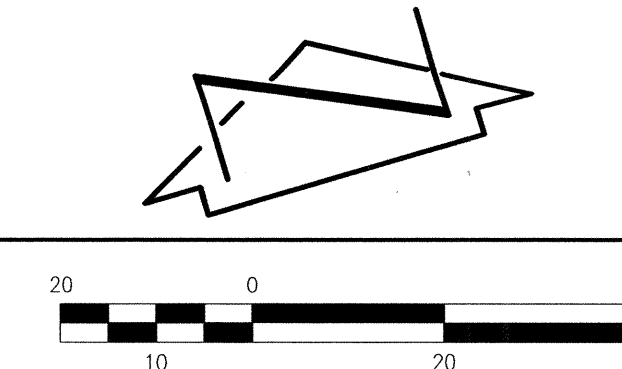
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06-05-2009

01-11-10

06.05.2009

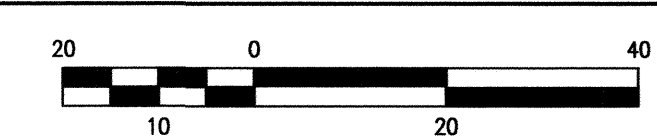
**RECORD DRAWING**  
**FOR CERTIFICATION, SEE SHEET 1**











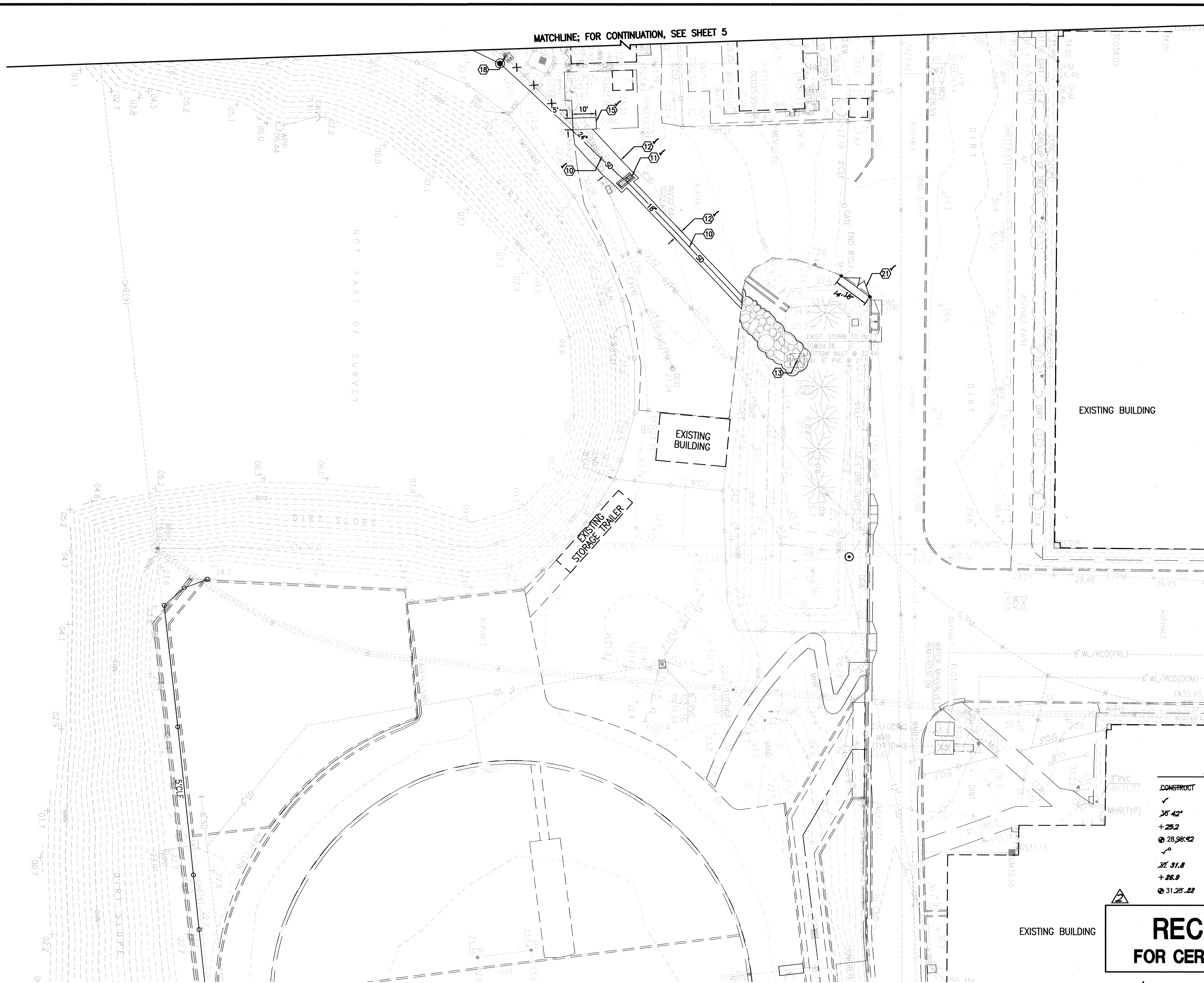


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Plot Date: 01-06-2010  
Plot Time: 09:53 am

A1

SITE PLAN - SOUTH

SCALE: 1" = 20'



SURVEY NOTE

THIS IS NOT A BOUNDARY SURVEY; TOPOGRAPHIC INFORMATION IS BASED UPON A PARTIAL TOPOGRAPHIC SURVEY PREPARED BY HIGH MESA CONSULTING GROUP, NMPS NO. 11184, DATED 11/15/2007. SUPPLEMENTAL INFORMATION SHOWN IS BASED UPON RECORD DRAWINGS PREPARED BY HIGH MESA CONSULTING GROUP, CERTIFIED 03/09/09 BY ENGINEER ON RECORD, NMPE 8547

BENCHMARKS

PROJECT BENCHMARK

A NMSHC BRASS DISK STAMPED "STA 1-25-30" SET IN TOP OF A CONCRETE POST 0.2' ABOVE GROUND LOCATED ADJACENT TO THE NORTHWEST INTERSECTION OF GIBSON BOULEVARD AND THE I-25 BRIDGE INTERCHANGE.  
ELEVATION = 5041.30 FEET (NAVD 88)

T.B.M. #1

A P.K. NAIL AND SHINER AS SHOWN ON SHEET 5.  
ELEVATION = 5026.94 FEET (NAVD 88)

LEGAL DESCRIPTION

A PORTION OF ALBUQUERQUE HIGH SCHOOL, UNPLATTED.

KEYED NOTES

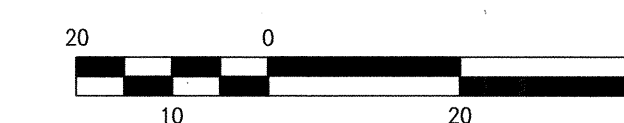
- 1 GRADE NEW DETENTION POND. ✓
- 2 INSTALL 50 LF 8" PVC SDR-35 STORM DRAIN WITH WATER TIGHT JOINTS @ S=0.0282' 0.0238
- 3 CONSTRUCT NEW 24" DIA. STAND PIPE PER SECTION A3, SHEET 11.
- 4 CONSTRUCT CONCRETE RUNDOWN / SPILLWAY PER DETAIL A5, SHEET 9.
- 5 INSTALL 5' GALVANIZED STEEL CHAINLINK FENCE WITH CLOSED LOOPS
- 6 INSTALL 24" WIDE X 5' HIGH DOUBLE LEAF GALVANIZED STEEL CHAINLINK GATE.
- 7 CONNECT NEW CHAINLINK FENCE TO EXISTING END POST.
- 8 CONSTRUCT CONCRETE HEADWALL AND RUNDOWN PER DETAIL D4, SHEET 10. INV. OUT = 18.15 (VERIFY)
- 9 CONSTRUCT RIP-RAP APRON PER TYPICAL SECTION, SHEET 10.
- 10 INSTALL HDPE STORM DRAIN WITH WATER TIGHT JOINTS PER PLAN & PROFILE DESIGN, SHEET 7.
- 11 NEW STORM INLET PER PLAN & PROFILE DESIGN, SHEET 7.
- 12 CONSTRUCT ASPHALT PAVEMENT REPLACEMENT PER TYPICAL SECTION, SHEET 10.
- 13 CONNECT NEW STORM DRAIN TO EXISTING STAND PIPE, PER DETAIL A1, SHEET 11.
- 14 DAYLIGHT 8" PVC SDR-35 STORM DRAIN IN NEW CONCRETE RUNDOWN METER END OF PIPE TO MATCH CONCRETE RUNDOWN SLOPE. INV. OUT = 11.92' 12.08
- 15 CONSTRUCT 5'X10'X6" 3000 PSI CONCRETE PAVEMENT WITH MEDIUM BROOM FINISH PER SECTION B3, SHEET 10.
- 16 CONSTRUCT 3" ASPHALT CONCRETE PAVEMENT PER DETAIL A5, SHEET 9.
- 17 INSTALL 24" HDPE FLARED END SECTION PER PLAN AND PROFILE DESIGN, SHEET 7
- 18 CONSTRUCT 4" DIAMETER TYPE "C" STORM DRAIN MANHOLE PER THE PLAN AND PROFILE DESIGN, SHEET 7
- 19 CONSTRUCT STANDARD CURB AND GUTTER PER TYPICAL SECTION, SHEET 10.
- 20 CONSTRUCT 4" CONCRETE RUN-DOWN CURB PER TYPICAL SECTION, SHEET 10.
- 21 INSTALL 18" WIDE X 5' HIGH DOUBLE LEAF GALVANIZED STEEL CHAIN LINK GATE.

RECORD DRAWING LEGEND

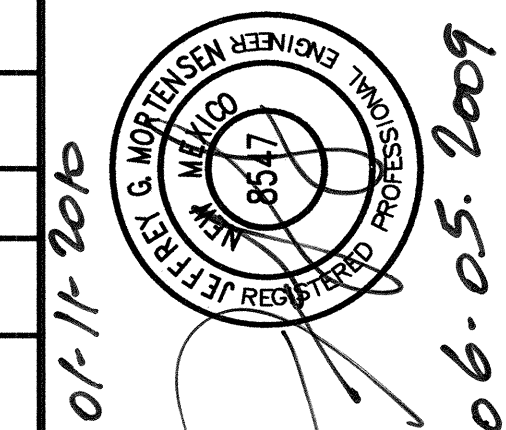
CONSTRUCT	RECORD INFORMATION (VERIFIED BY ENGINEER)
✓	AS-CONSTRUCTED = AS-DESIGNED (VERIFIED BY ENGINEER)
38' 42"	RECORD INFORMATION (VERIFIED BY ENGINEER)
+25.2	RECORD INFORMATION (VERIFIED BY ENGINEER)
28.98' 42"	RECORD INFORMATION (VERIFIED BY ENGINEER)
✓	AS-CONSTRUCTED = AS-DESIGNED (THRIEFT BY AS-BUILT SURVEY)
38' 31.8	RECORD INFORMATION FROM AS-BUILT SURVEY
+26.9	RECORD INFORMATION FROM AS-BUILT SURVEY
31.25' 22"	RECORD INFORMATION FROM AS-BUILT SURVEY

**RECORD DRAWING**  
FOR CERTIFICATION, SEE SHEET 1

EXISTING BUILDING



**HIGH MESA**  
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ALBUQUERQUE, NEW MEXICO 87109  
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MASTER DRAINAGE PLAN IMPROVEMENTS  
PHASE 2-B  
ALBUQUERQUE HIGH SCHOOL

NO.	DATE	BY	REVISIONS
1	12/04	J.M.	REC. DWS. 1 CERT.
PROJECT No. 2007.183.7			
DESIGNED BY G.R.B.			
DRAWN BY J.Y.R.			
APPROVED BY J.G.M.			
SHEET TITLE			

GRADING AND  
LAYOUT  
PLAN-SOUTH

C-106

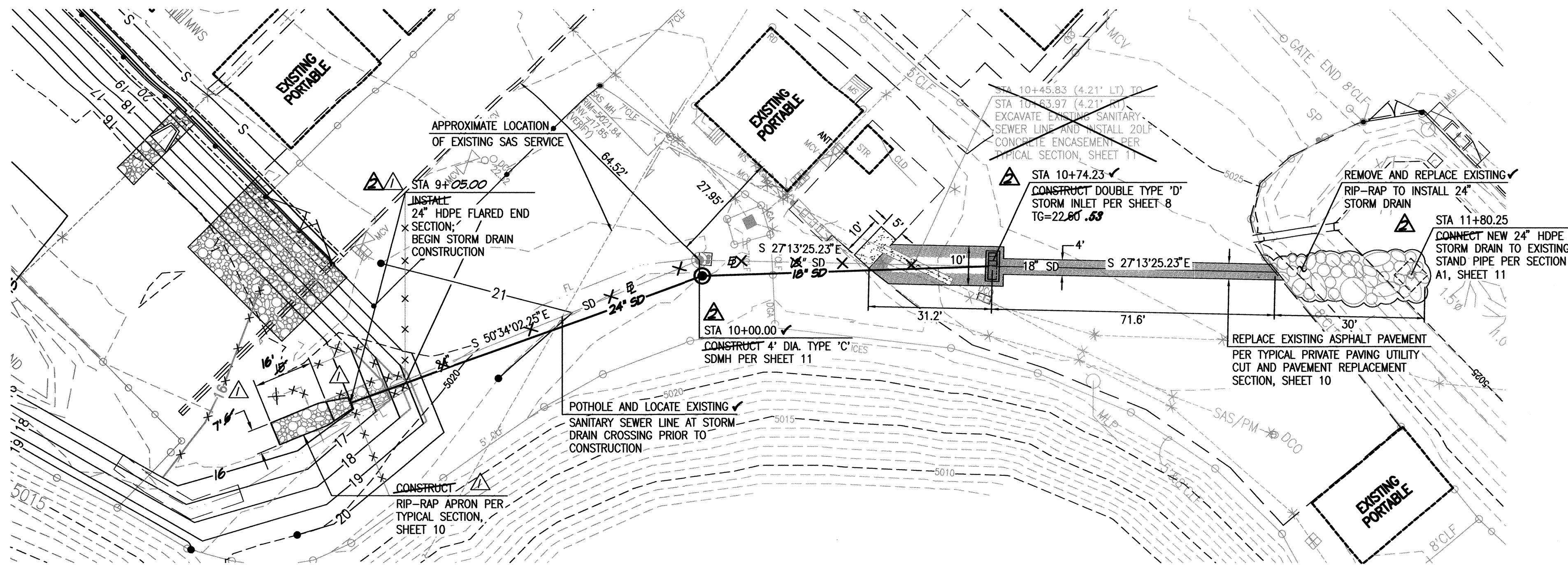
SHEET 6 OF 14



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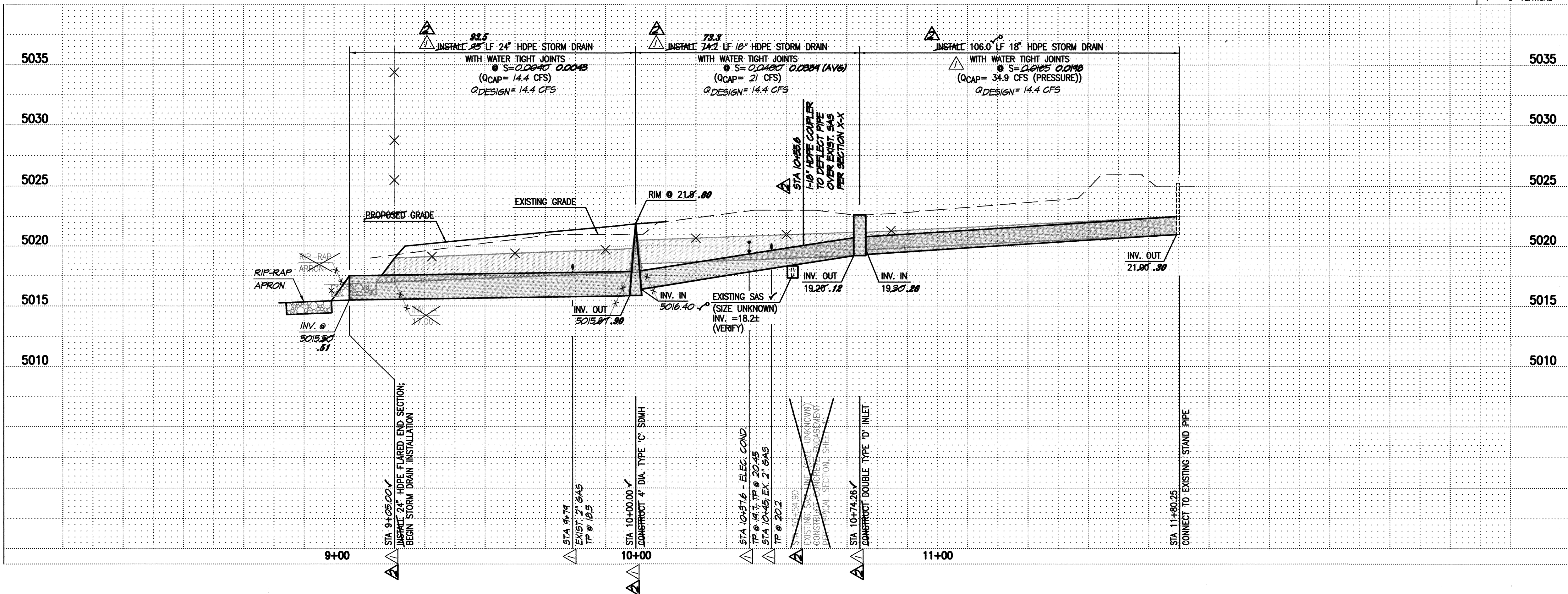
(A1) STORM DRAIN PLAN AND PROFILE

SCALE: 1" = 20'



STORM DRAIN LINE

SCALE:  
1" = 20' HORIZONTAL  
1" = 5' VERTICAL



LEGEND

- STORM DRAIN MANHOLE
- DOUBLE 'D' INLET

STORM DRAIN NOTES:

1. ALL STORM DRAIN TO BE HDPE WITH WATER TIGHT JOINTS UNLESS OTHERWISE NOTED.
2. ALL MANHOLES SHALL BE 4' DIAMETER TYPE 'C' PER SHEET 11 UNLESS OTHERWISE NOTED.
3. ALL STATIONING SHOWN HEREON IS BASED ON STORM DRAIN CENTERLINE UNLESS OTHERWISE NOTED. SLOPES ARE BASED ON TRUE LENGTH OF PIPE.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SELECTING APPROPRIATE MEANS AND METHODS TO EXCAVATE AND TRENCH AND INSTALL PIPE SO AS TO NOT EXCEED RIGHT-OF-WAY OR EASEMENT LIMITS, AND SO AS NOT TO INTERFERE WITH OTHER UTILITIES. THIS SHALL BE CONSIDERED INCIDENTAL TO TRENCHING, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING, SUPPORTING AND REPLACING, IF DAMAGED, ALL OTHER UTILITIES ENCOUNTERED DURING CONSTRUCTION. THIS SHALL BE CONSIDERED INCIDENTAL TO TRENCHING, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.

RECORD DRAWING LEGEND

- | CONSTRUCT | RECORD INFORMATION (VERIFIED BY ENGINEER)                  |
|-----------|--|
| ✓         | AS-CONSTRUCTED = AS-DESIGNED (VERIFIED BY ENGINEER)        |
| 3/8" 42"  | RECORD INFORMATION (VERIFIED BY ENGINEER)                  |
| +25.2     | RECORD INFORMATION (VERIFIED BY ENGINEER)                  |
| 28,98.42  | RECORD INFORMATION (VERIFIED BY ENGINEER)                  |
| ✓         | AS-CONSTRUCTED = AS-DESIGNED (VERIFIED BY AS-BUILT SURVEY) |
| 3/8" 31.8 | RECORD INFORMATION FROM AS-BUILT SURVEY                    |
| +26.9     | RECORD INFORMATION FROM AS-BUILT SURVEY                    |
| 31,28.22  | RECORD INFORMATION FROM AS-BUILT SURVEY                    |

(A1) SECTION X-X (BY CCD)

SCALE: 1" = 8' HORIZONTAL  
1" = 4' VERTICAL

RECORD DRAWING  
FOR CERTIFICATION,  
SEE SHEET 1

**HIGH MESA**  
Consulting Group  
FORMERLY JEFF MORRISON AND ASSOCIATES, INC.  
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09-09-2009 10:10  
01-11-2010  
G. MORRISON  
REGISTERED PROFESSIONAL ENGINEER  
STATE OF NEW MEXICO  
No. 13131  
06-05-2009

MASTER DRAINAGE PLAN IMPROVEMENTS  
PHASE 2-B  
ALBUQUERQUE HIGH SCHOOL

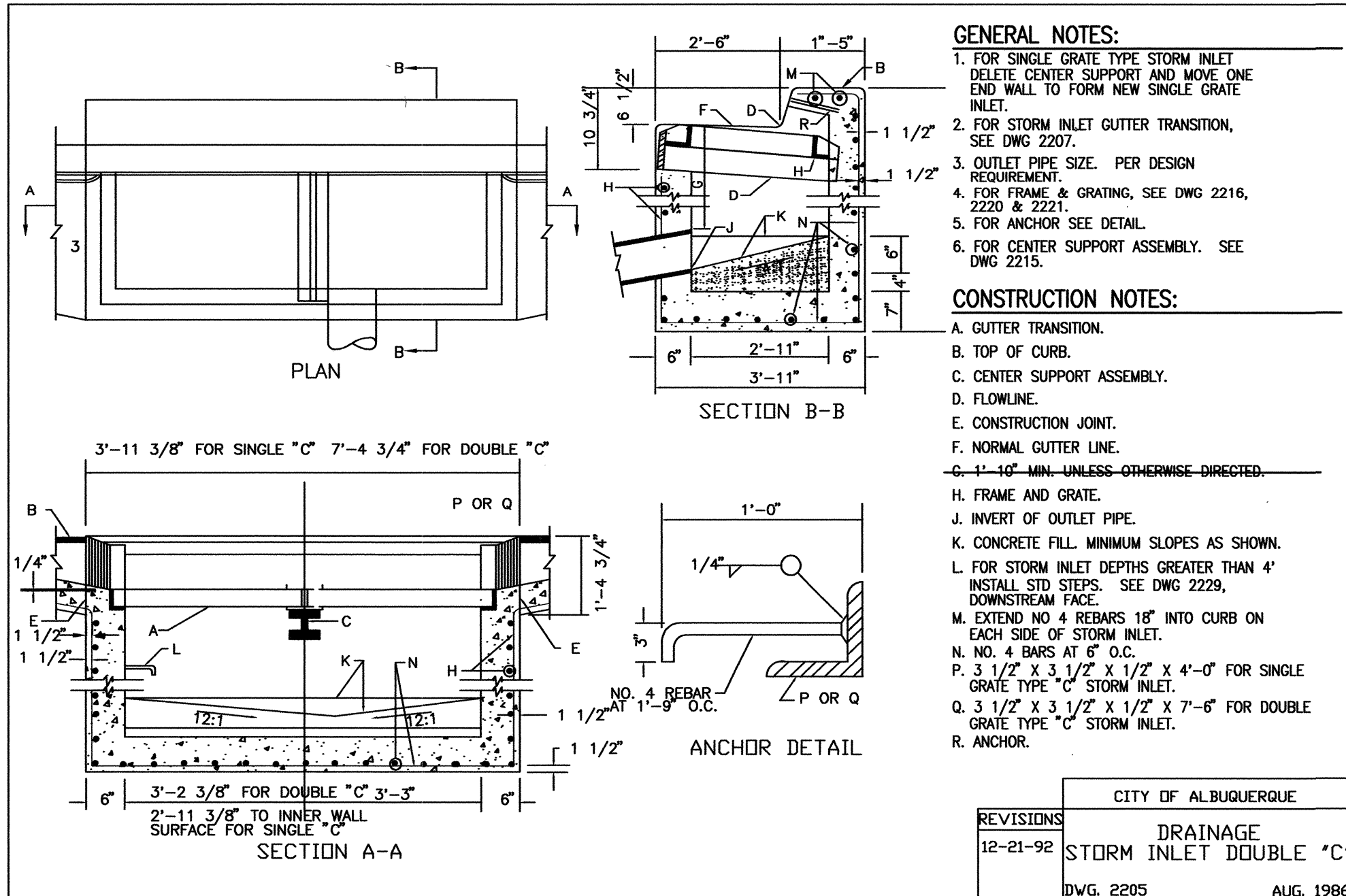
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NO.	DATE	BY	DESIGNED BY	2007.183.7
1	01/04	JG/M	G.R.B.	
2	12/04	A.M.	J.Y.R.	
3			J.G.M.	
SHEET TITLE			STORM DRAIN PLAN AND PROFILE	

STORM DRAIN  
PLAN AND  
PROFILE

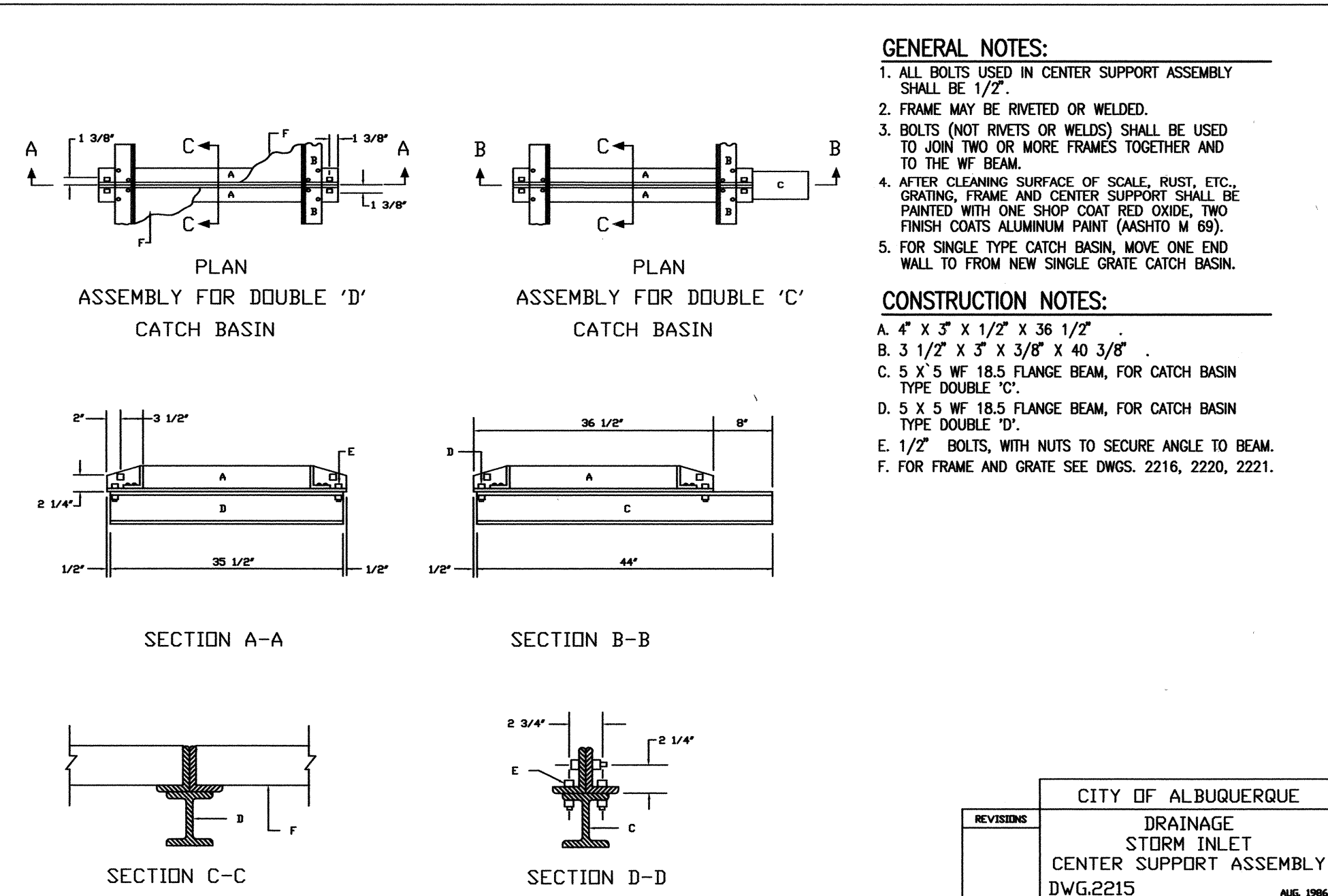
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SHEET 7 OF 14



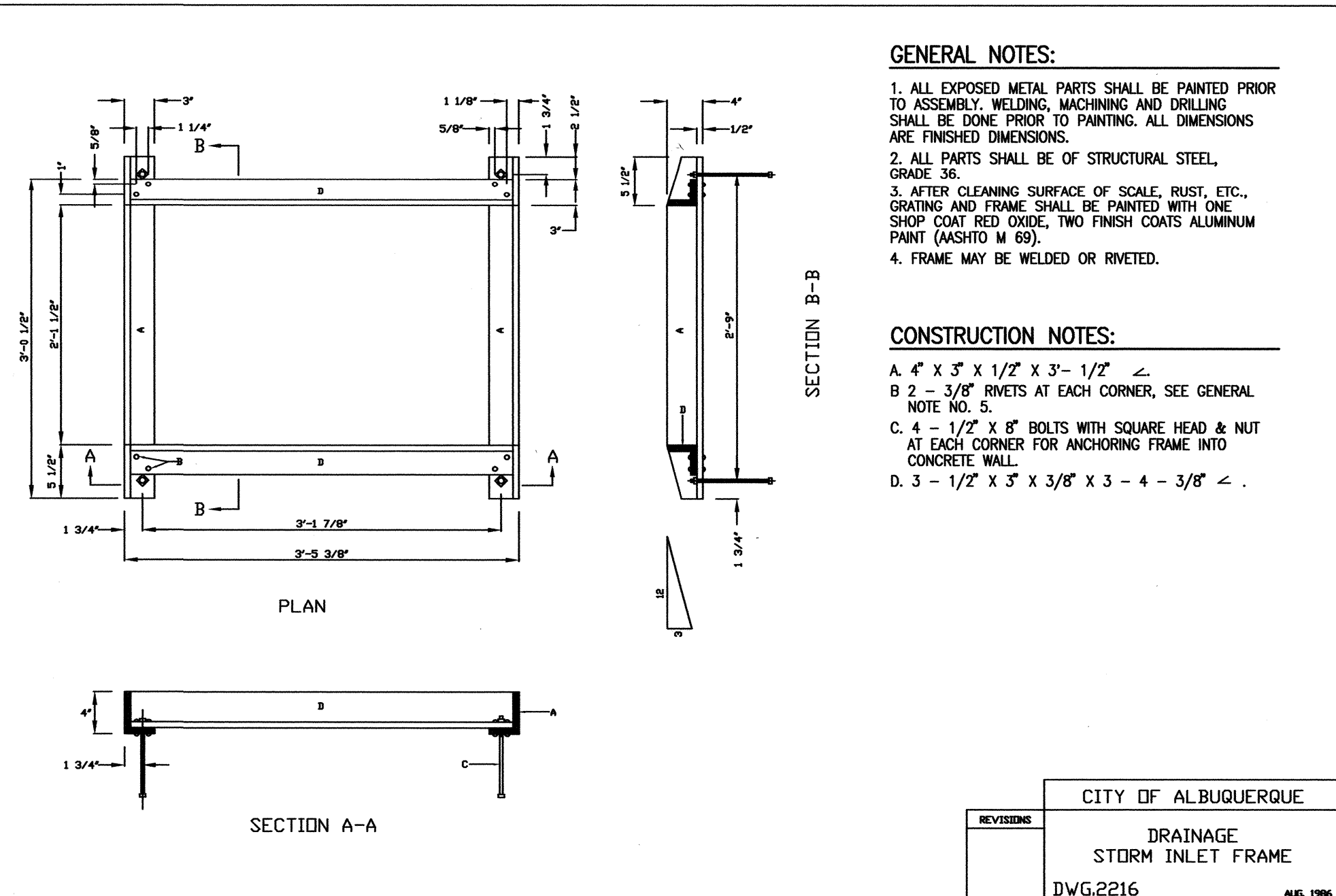
C1 DRAINAGE STORM INLET DOUBLE "C"  
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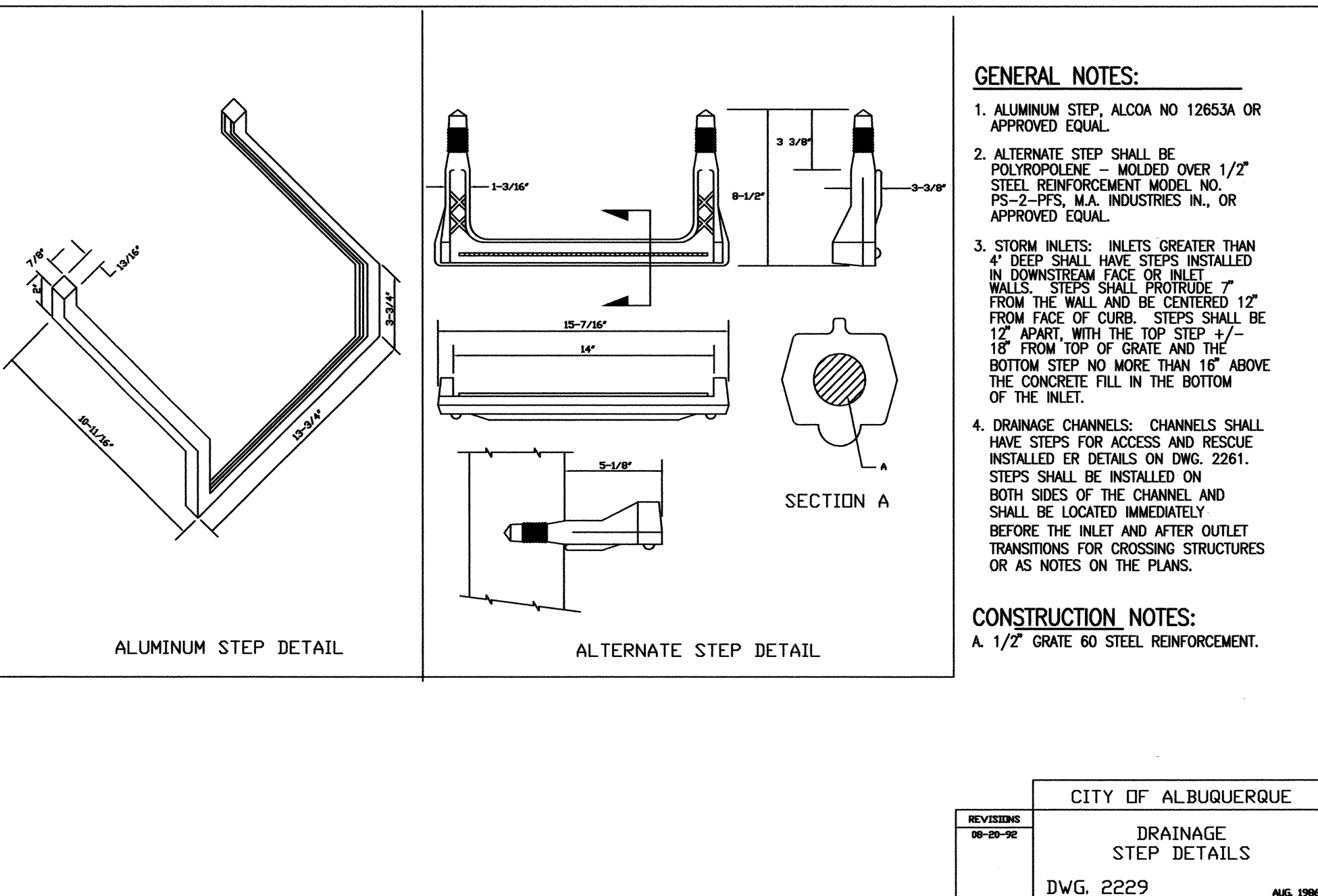
C3 DRAINAGE STORM INLET CENTER SUPPORT ASSEMBLY  
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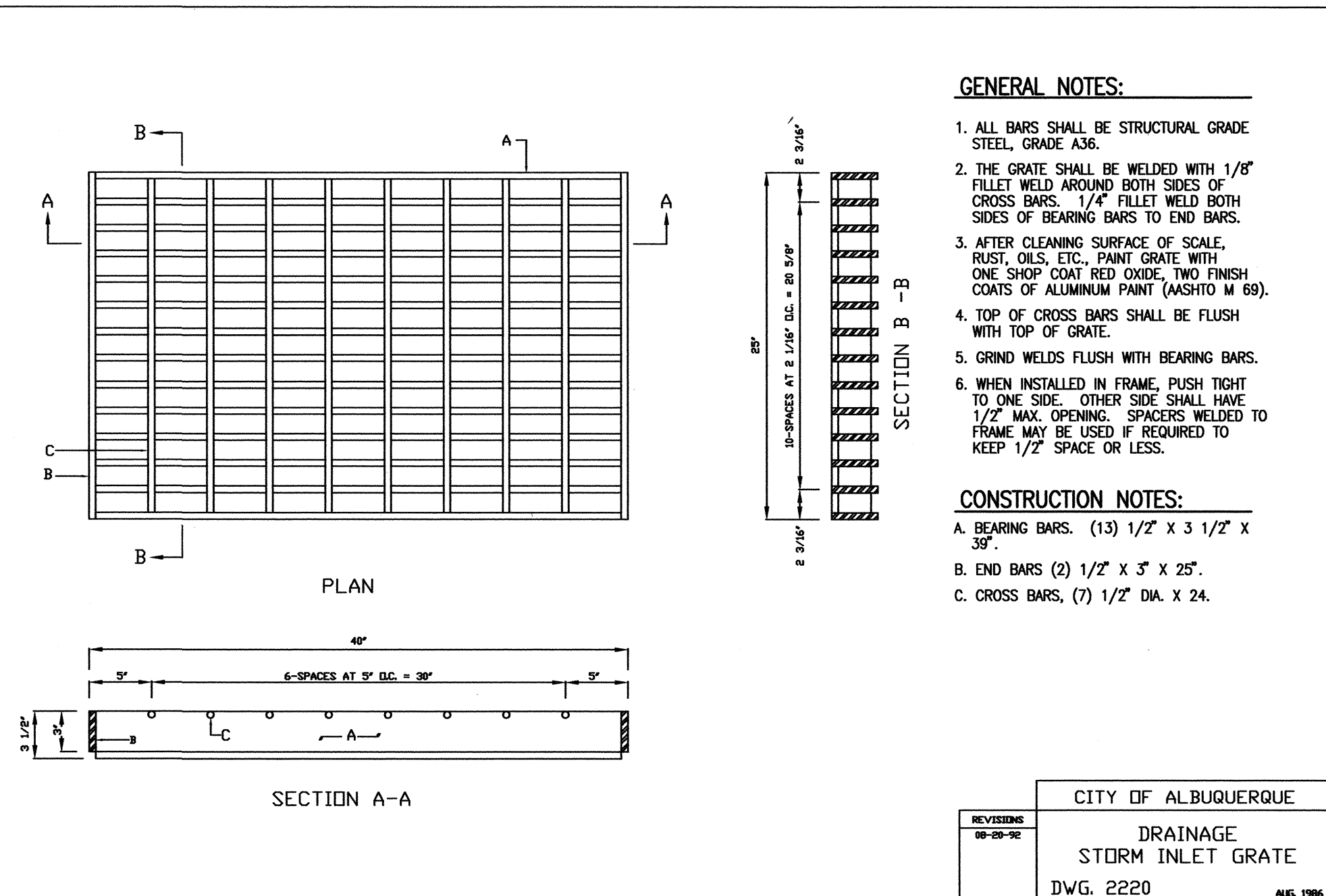
C5 DRAINAGE STORM INLET FRAME  
N.T.S.



A3 DRAINAGE STEP DETAILS  
N.T.S.



A5 DRAINAGE STORM INLET  
N.T.S.



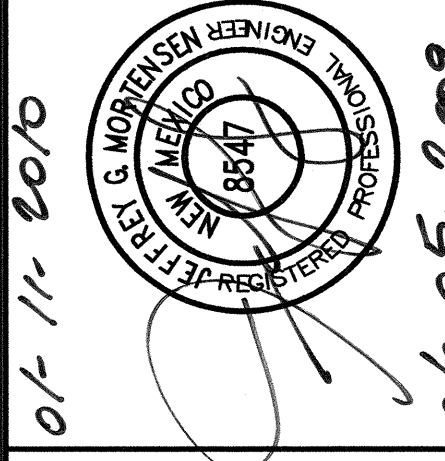
RECORD DRAWING

MASTER DRAINAGE PLAN IMPROVEMENTS  
PHASE 2-B  
ALBUQUERQUE HIGH SCHOOL

NO.	DATE	BY	REASON
1	12/04	J.M.	RECORD DRAWING

PROJECT No.	2007.183.7
DESIGNED BY	G.R.B.
DRAWN BY	J.Y.R.
APPROVED BY	J.G.M.
SHEET TITLE	

STORM INLET  
SECTIONS AND  
DETAILS  
C-308  
SHEET 8 OF 14

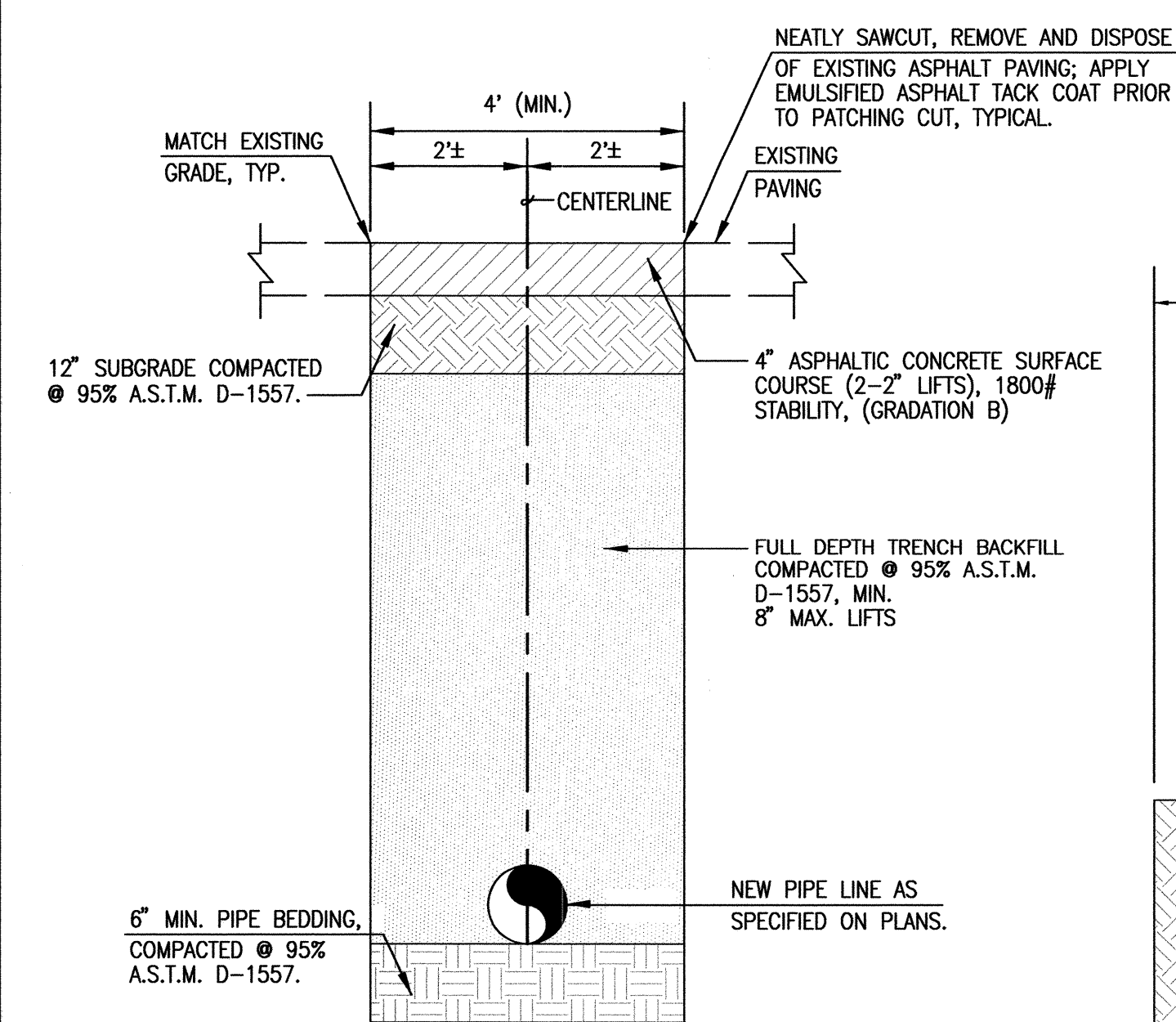




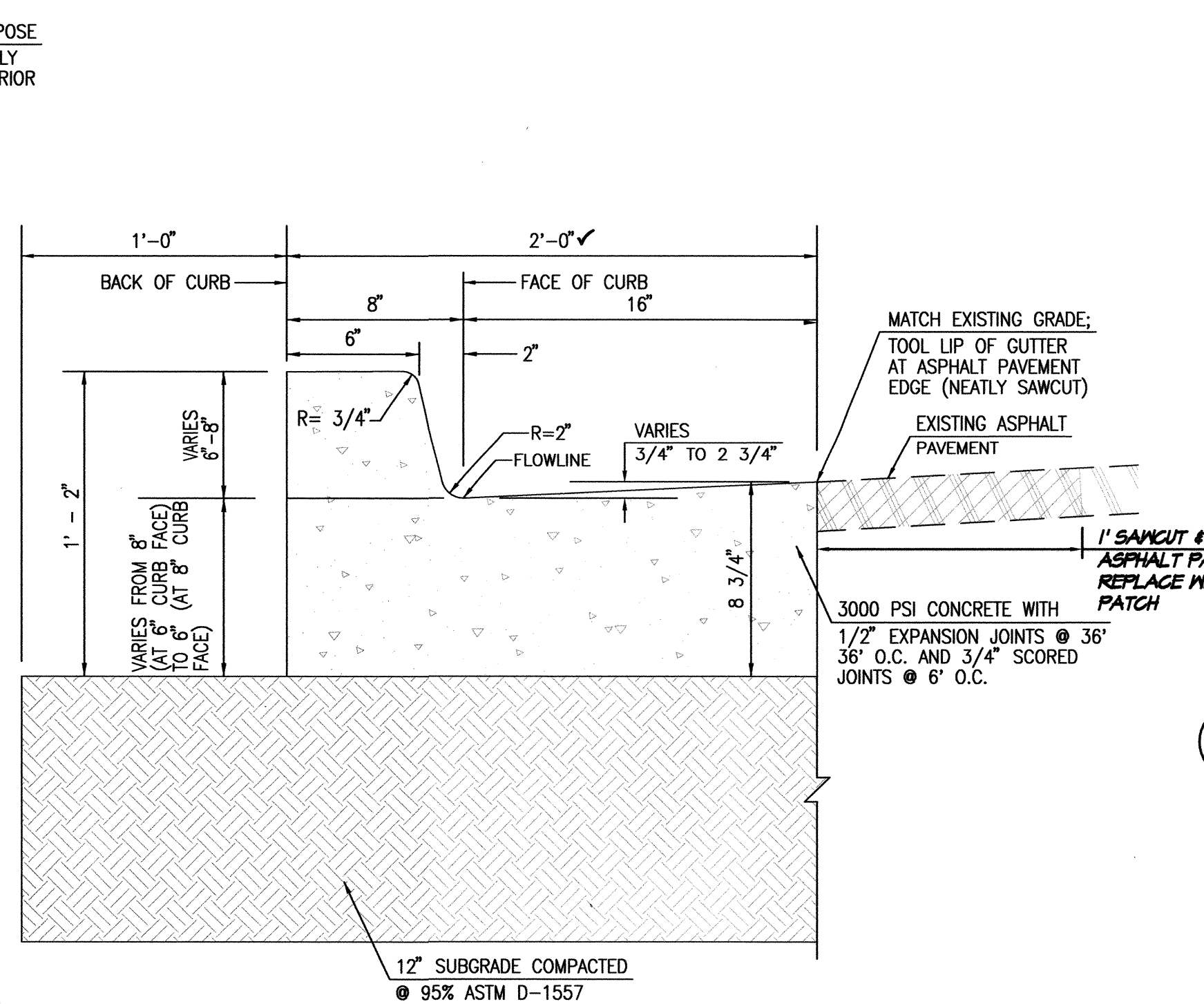




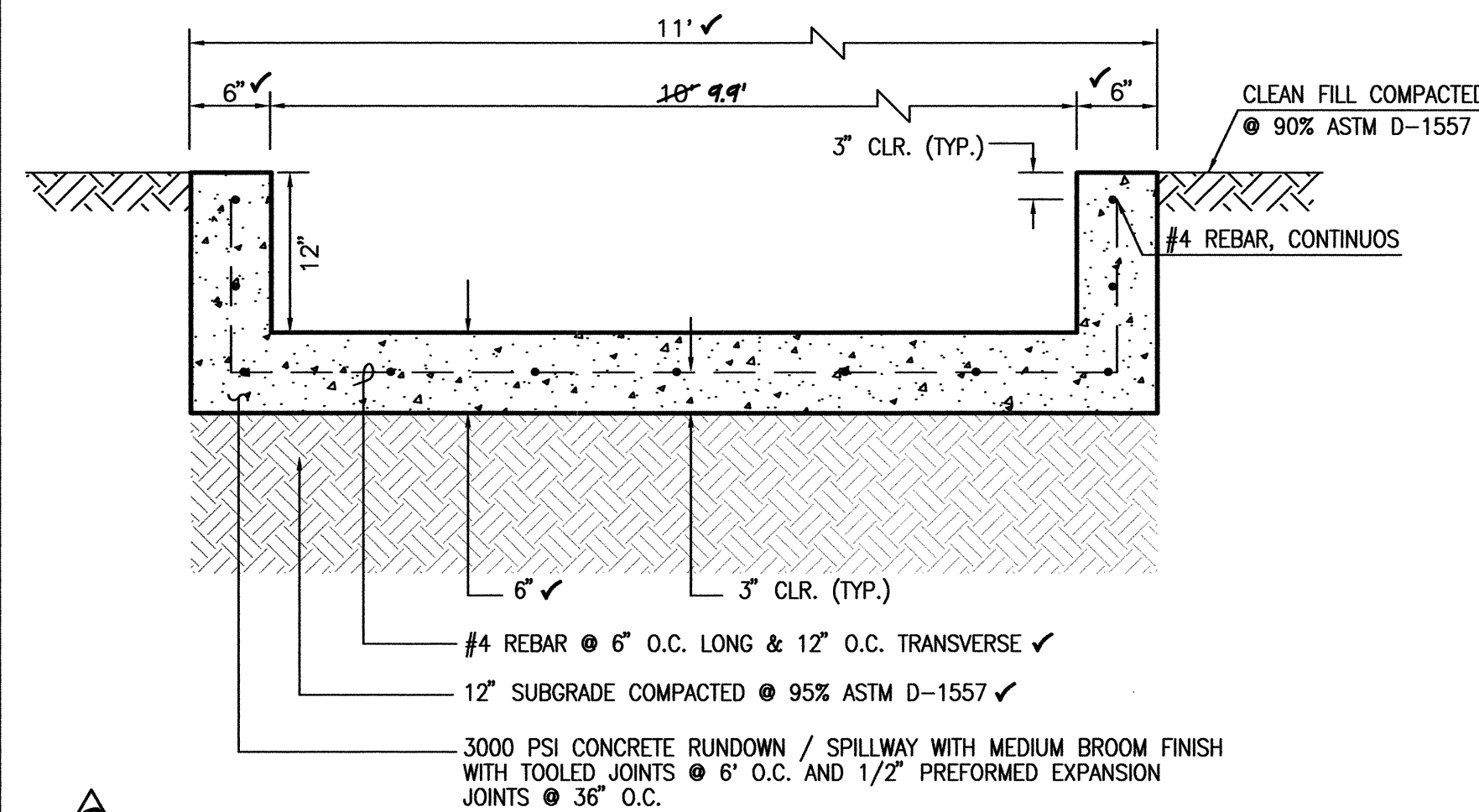
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File Name: 7183728\_183-183.dwg Plot Time: 09:56 am



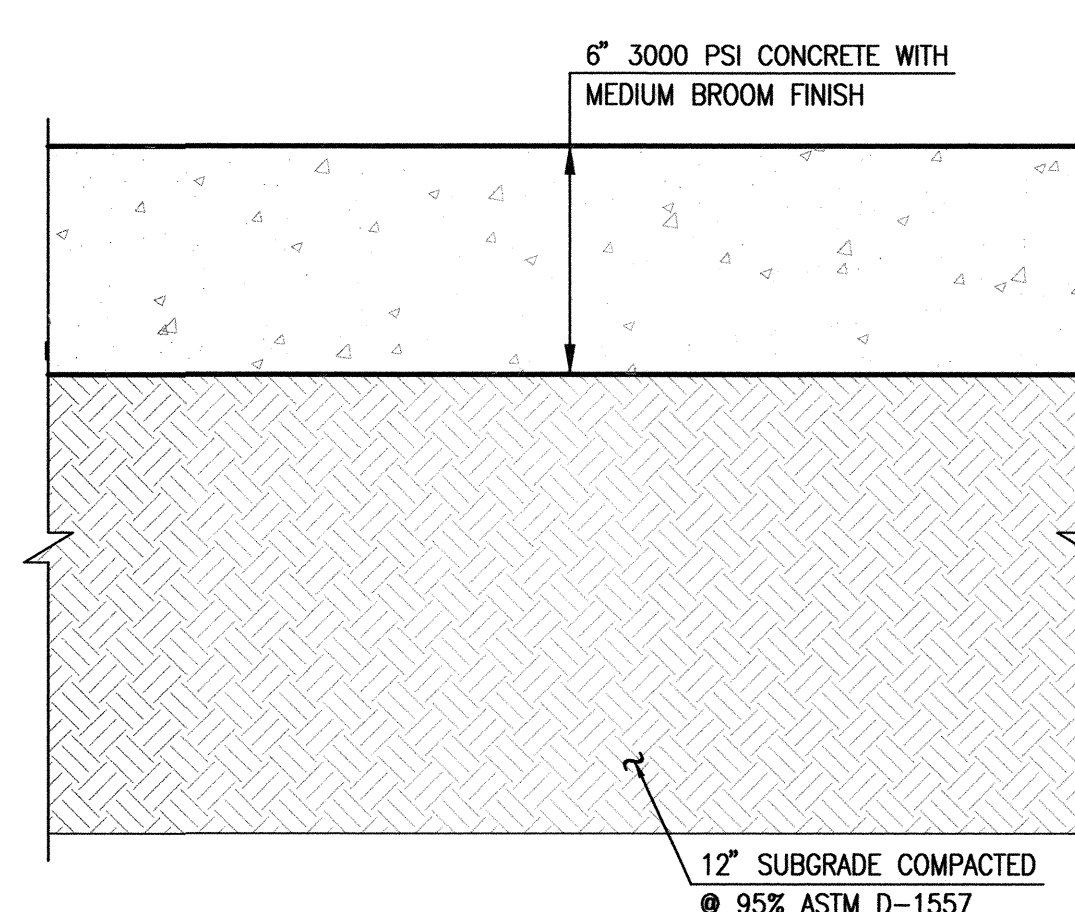
D1  
NTS  
TYPICAL PRIVATE PAVING UTILITY CUT AND PAVEMENT REPLACEMENT SECTION



D2  
SCALE: 1" = 0'-6"  
TYPICAL CURB & GUTTER (VARIABLE CURB HEIGHT)



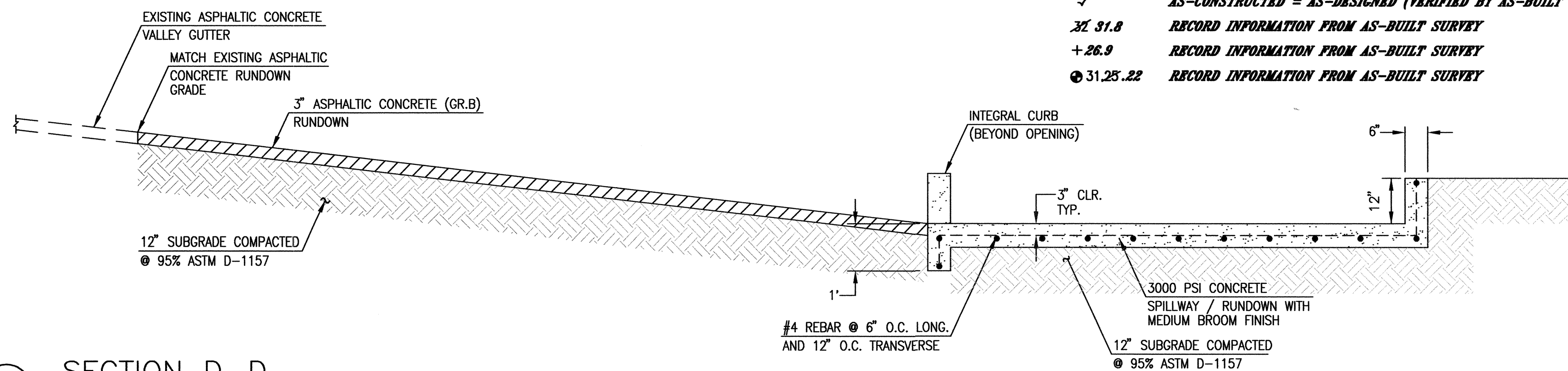
B1  
SCALE: 1" = 1' - 0"  
SECTION C-C



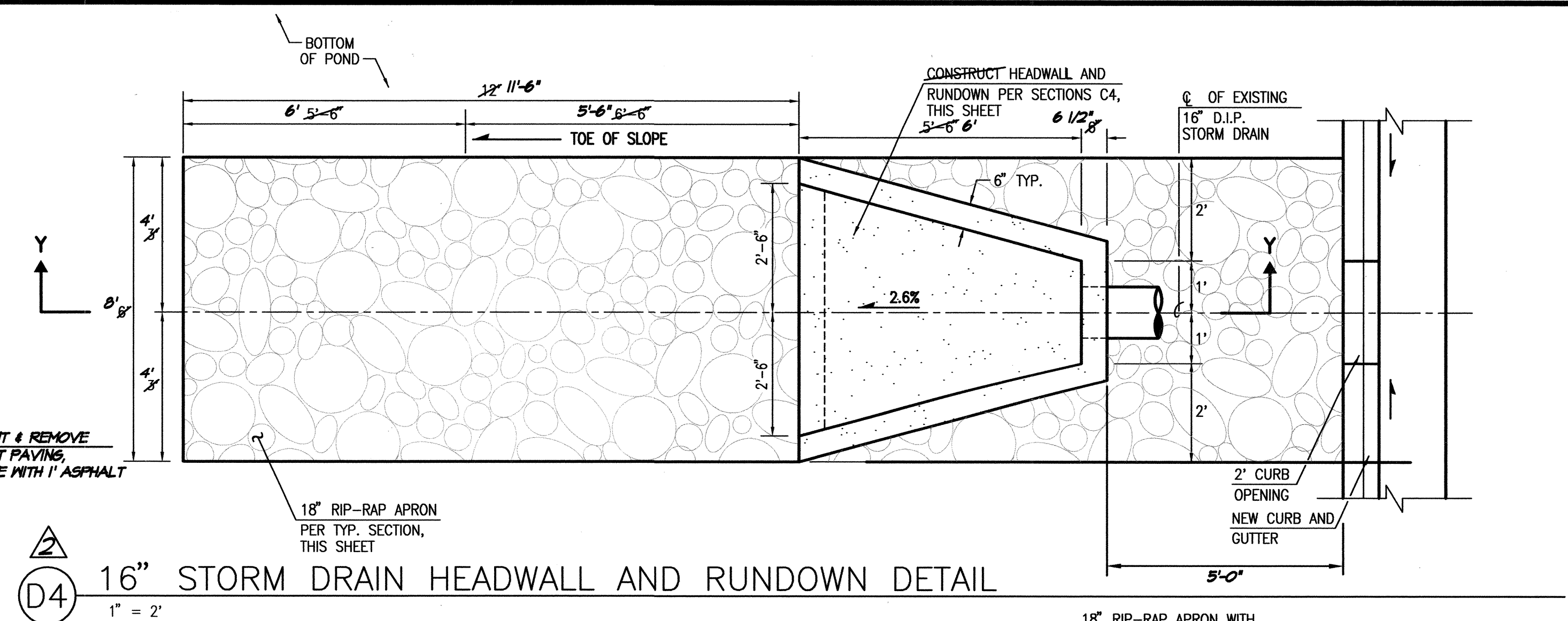
B2  
SCALE: 1" = 0' - 5"  
TYPICAL 6" CONCRETE PAVING SECTION

#### RECORD DRAWINGS LEGEND

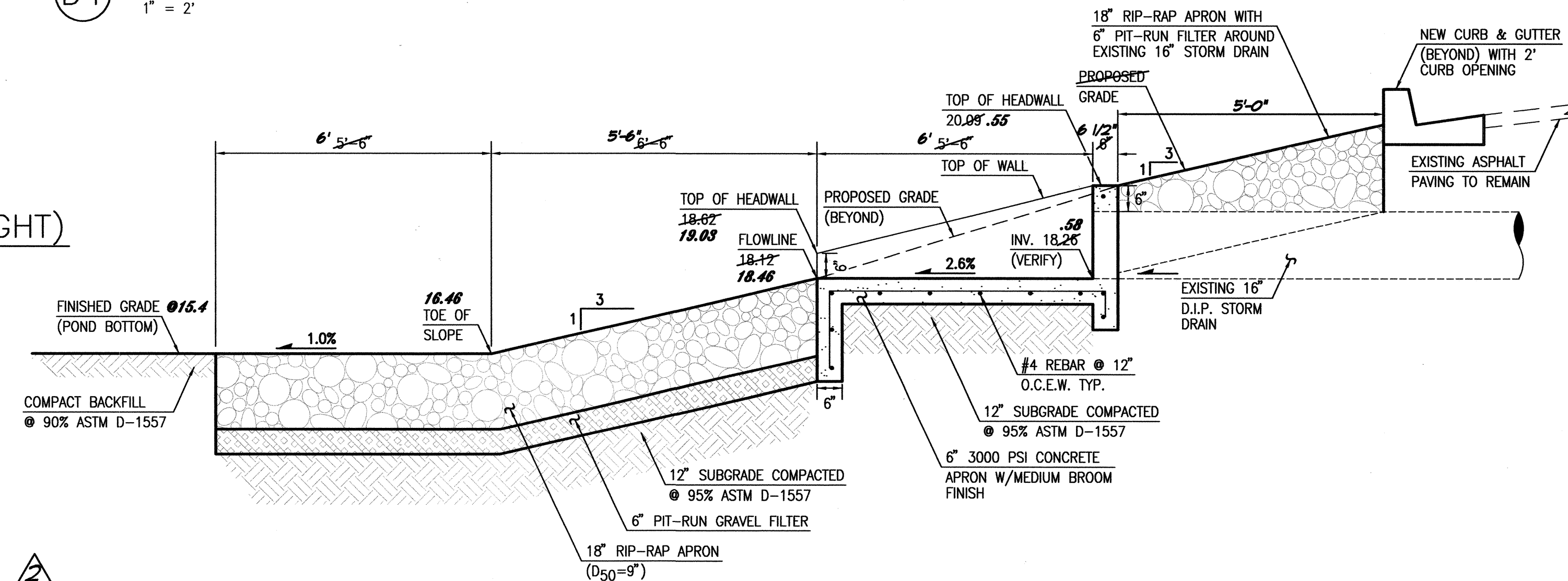
CONSTRUCT	RECORD INFORMATION (VERIFIED BY ENGINEER)
✓	AS-CONSTRUCTED = AS-DESIGNED (VERIFIED BY ENGINEER)
36' 42"	RECORD INFORMATION (VERIFIED BY ENGINEER)
+25.2	RECORD INFORMATION (VERIFIED BY ENGINEER)
28.98' 42"	RECORD INFORMATION (VERIFIED BY ENGINEER)
✓	AS-CONSTRUCTED = AS-DESIGNED (VERIFIED BY AS-BUILT SURVEY)
31.31.8	RECORD INFORMATION FROM AS-BUILT SURVEY
+26.9	RECORD INFORMATION FROM AS-BUILT SURVEY
31.25.22	RECORD INFORMATION FROM AS-BUILT SURVEY



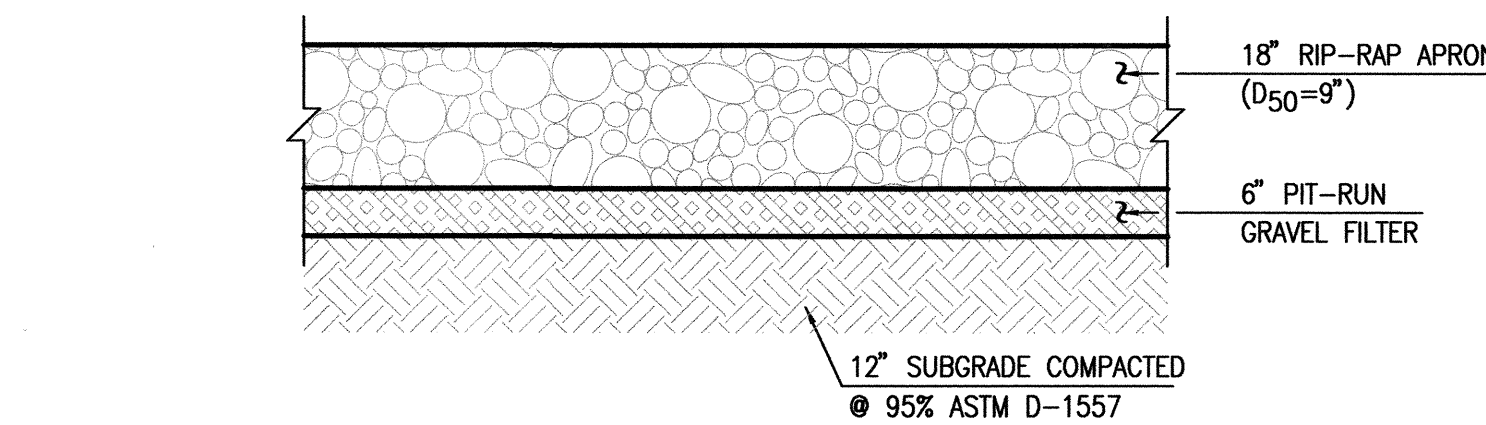
A1  
SCALE: 1" = 2"  
SECTION D-D



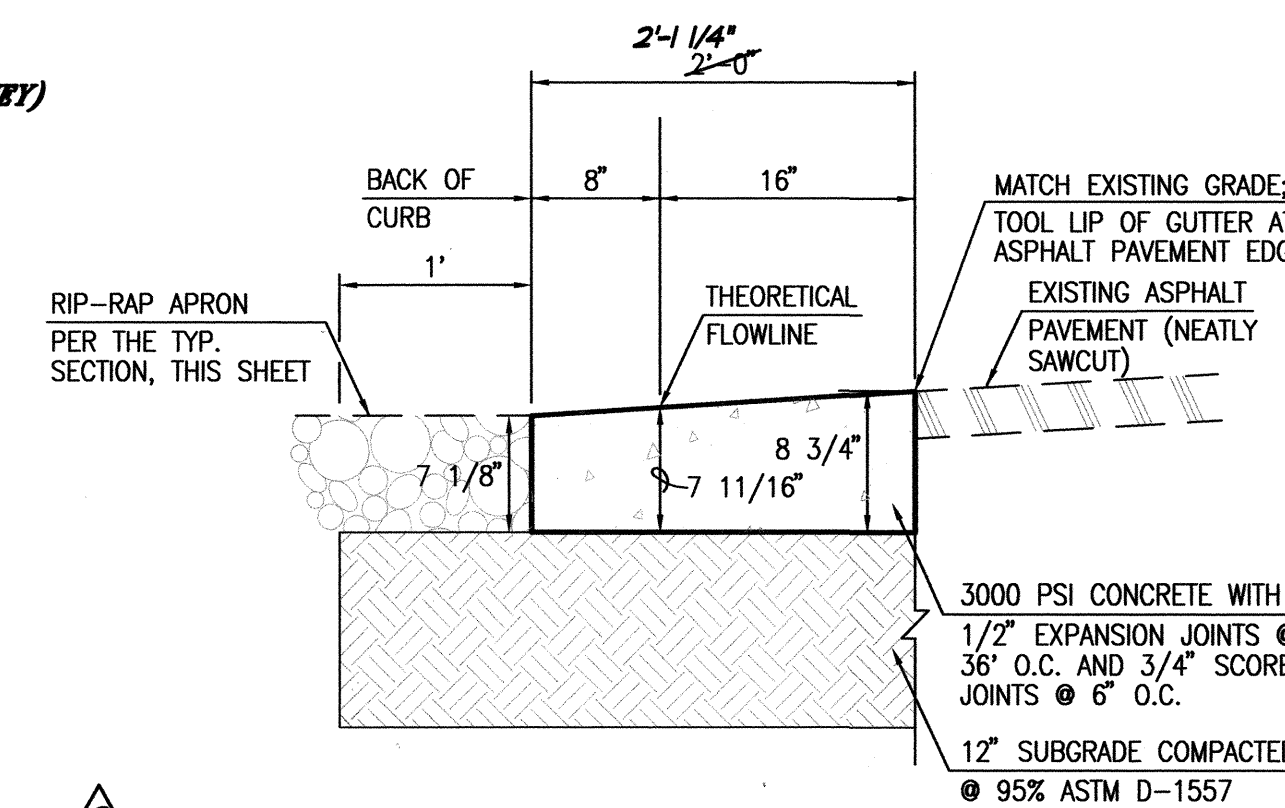
D4  
1" = 2"  
16" STORM DRAIN HEADWALL AND RUNDOWN DETAIL



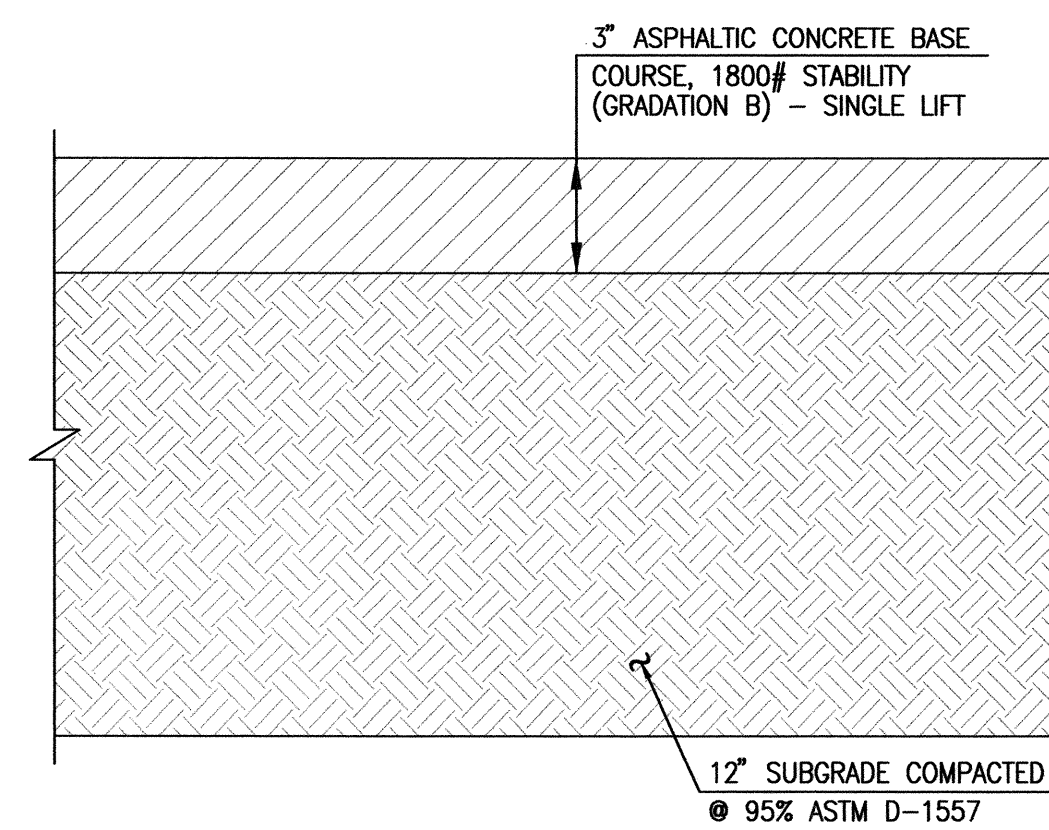
C4  
1" = 2"  
16" HEADWALL AND RUNDOWN SECTION Y-Y



B4  
1" = 2"  
TYPICAL RIP-RAP APRON SECTION



A4  
SCALE: 1" = 1' - 0"  
TYPICAL RUN-DOWN CURB SECTION



A5  
SCALE: 1" = 0' - 5"  
TYPICAL 3" ASPHALT PAVING SECTION

**RECORD DRAWING**  
FOR CERTIFICATION, SEE SHEET 1

## MASTER DRAINAGE PLAN IMPROVEMENTS PHASE 2-B ALBUQUERQUE HIGH SCHOOL

NO.	DATE	BY	REVISIONS
1	12/04	AM	REC. DWS & CERT.
2			
3			
4			
5			
6			
7			
8			
9			
10			

PROJECT No. 2007.183.7  
DESIGNED BY G.R.B.  
DRAWN BY J.Y.R.  
APPROVED BY J.G.M.  
SHEET TITLE

PAVING AND DRAINAGE  
SECTIONS AND  
DETAILS

C-310  
SHEET 10 OF 14

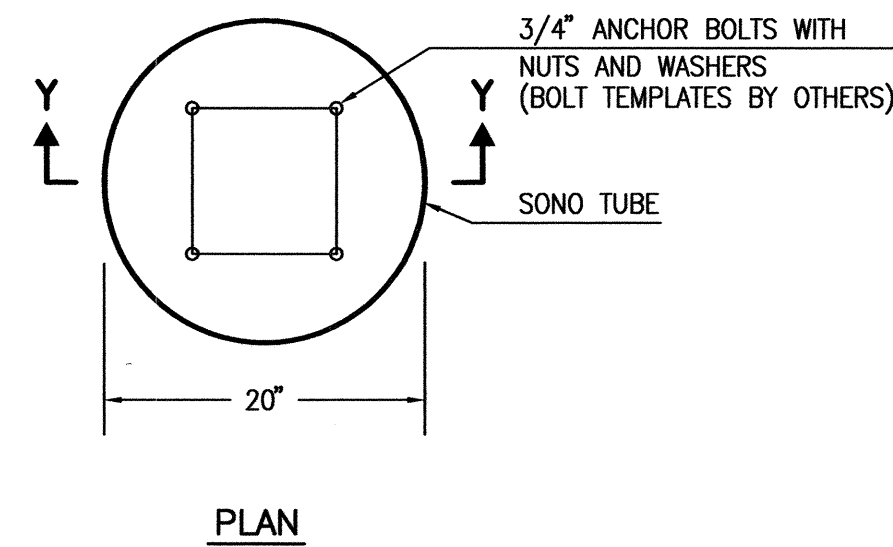
**HIGH MESA**  
Consulting Group  
6010-B MIDWAY PARK BLVD. NE  
ALBUQUERQUE, NEW MEXICO 87109  
PHONE: 505.345.4250 FAX: 505.345.4254  
www.highmesacg.com

01-11-2006  
06-05-2007  
NEW MEXICO  
REGISTERED PROFESSIONAL  
ENGINEER  
NO. 8567  
J. G. MORALES

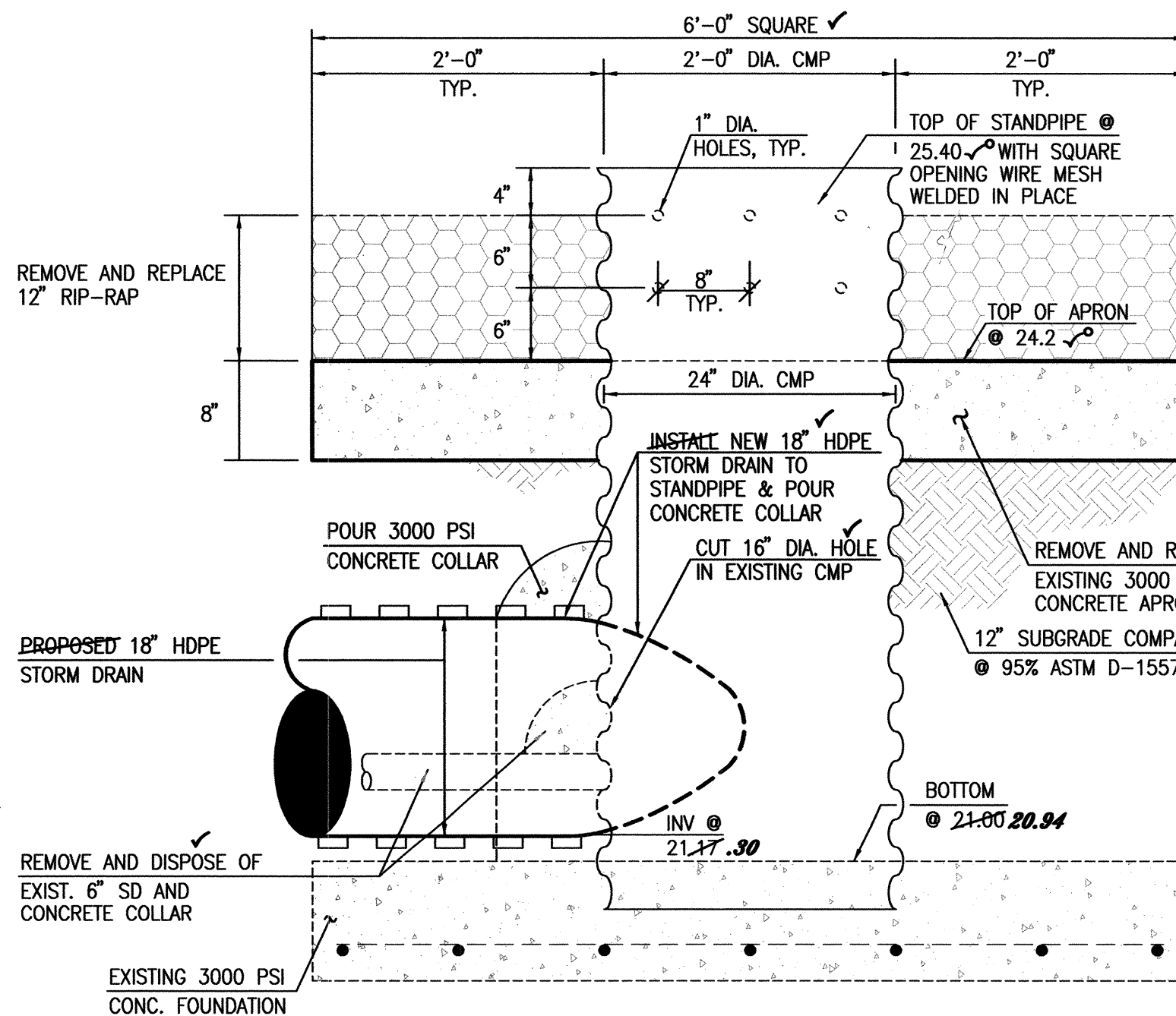


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Plot Date: 12-28-2009  
Plot Time: 08:23 am

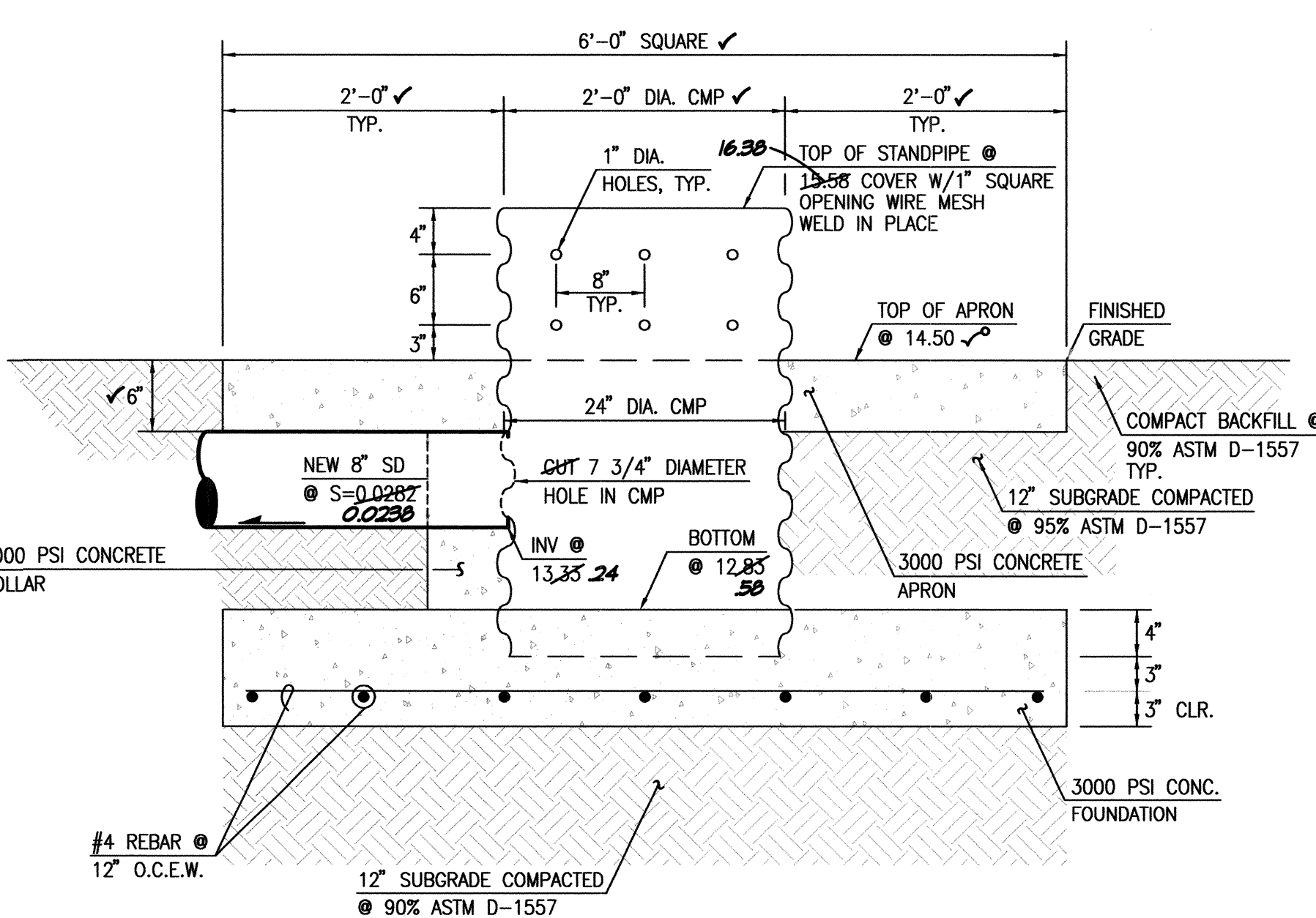
**A3** LIGHT POLE BASE SHOP DRAWING  
SCALE: 1" = 2'



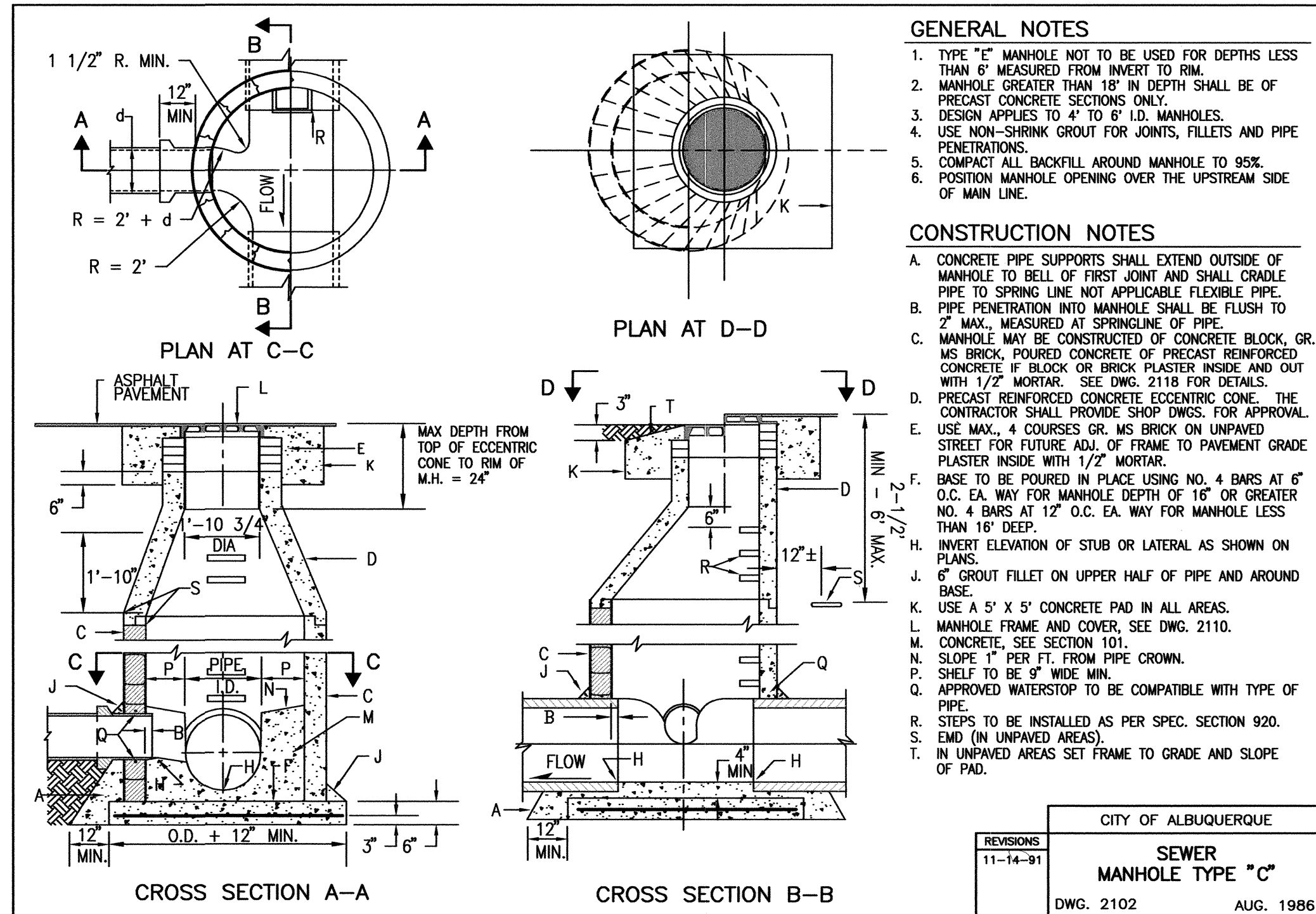
**A1** EXISTING STANDPIPE SECTION (@ UPPER POND)  
SCALE: 1" = 1'



**A3** NEW STANDPIPE SECTION (@ LOWER POND)  
SCALE: 1" = 1'



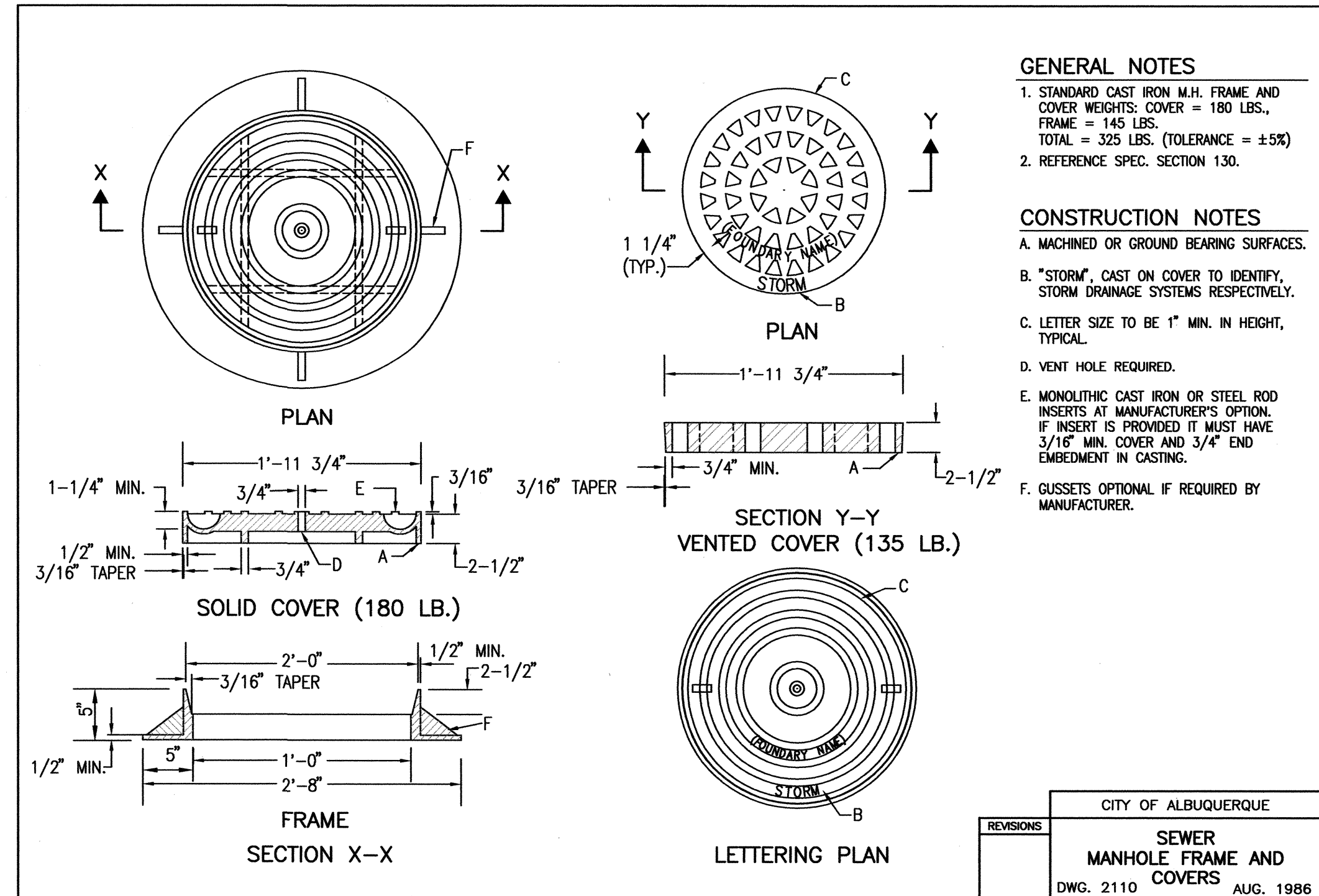
**D2** SEWER MANHOLE TYPE "G"  
NOT TO SCALE



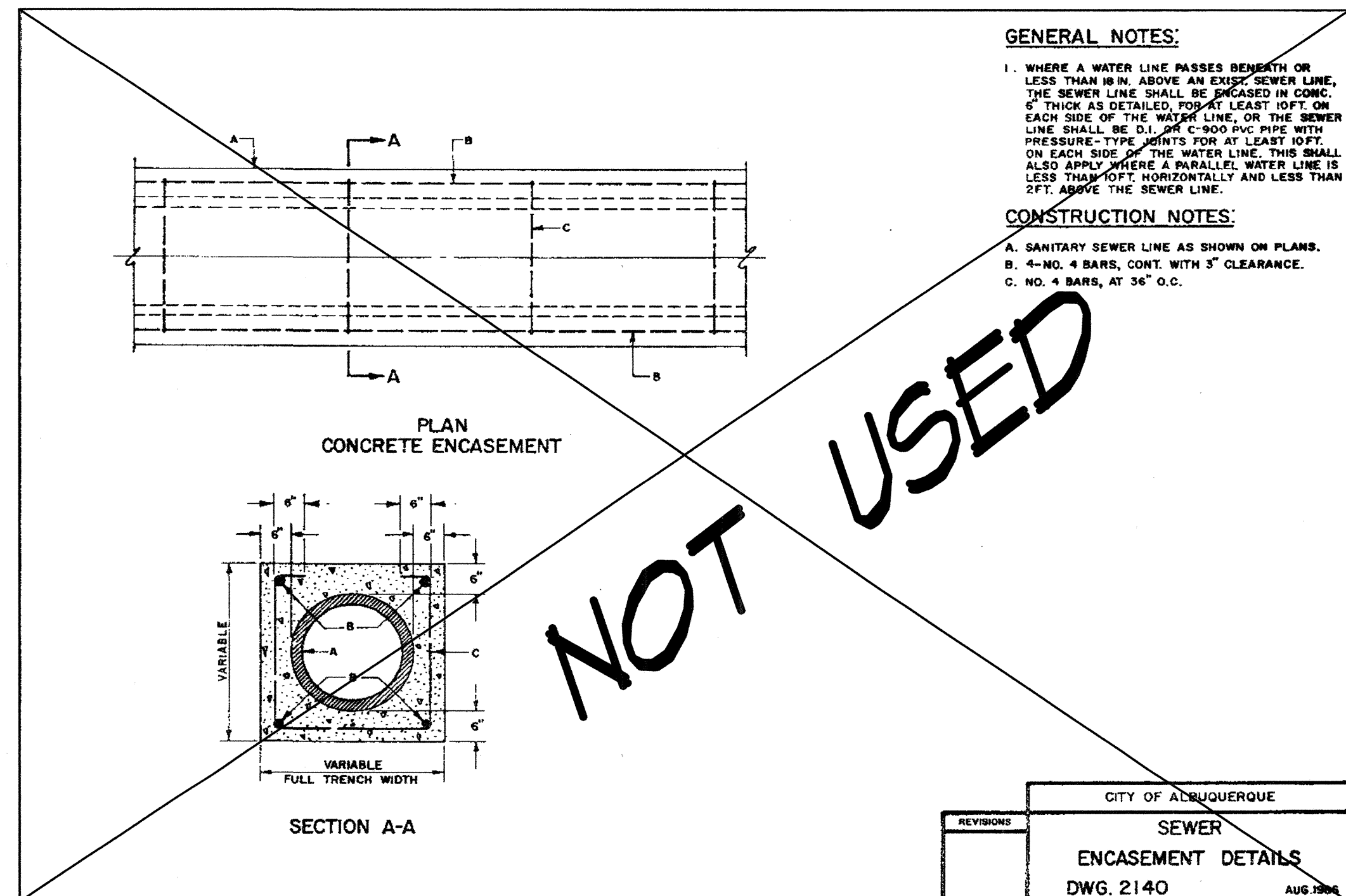
**RECORD DRAWING LEGEND**

CONSTRUCT	RECORD INFORMATION (VERIFIED BY ENGINEER)
✓	AS-CONSTRUCTED = AS-DESIGNED (VERIFIED BY ENGINEER)
36.42	RECORD INFORMATION (VERIFIED BY ENGINEER)
+25.2	RECORD INFORMATION (VERIFIED BY ENGINEER)
28.98.42	RECORD INFORMATION (VERIFIED BY ENGINEER)
✓	AS-CONSTRUCTED = AS-DESIGNED (VERIFIED BY AS-BUILT SURVEY)
31.8	RECORD INFORMATION FROM AS-BUILT SURVEY
+26.9	RECORD INFORMATION FROM AS-BUILT SURVEY
31.25.22	RECORD INFORMATION FROM AS-BUILT SURVEY

**D4** SEWER MANHOLE FRAME AND COVERS  
NOT TO SCALE



**A4** ENCASEMENT SECTION  
NOT TO SCALE



**RECORD DRAWING**  
FOR CERTIFICATION, SEE SHEET 1

**HIGH MESA**  
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**MASTER DRAINAGE PLAN IMPROVEMENTS**  
**PHASE 2-B**  
**ALBUQUERQUE HIGH SCHOOL**

NO.	DATE	BY	REVISIONS
1	12/01	A.M.	REV. DWS & GERT.

PROJECT No. 2007.183.7  
DESIGNED BY G.R.B.  
DRAWN BY J.Y.R./D.M.H.  
APPROVED BY J.G.M.  
SHEET TITLE

**POND AND SPILLWAY SECTIONS AND DETAILS**

C-311  
SHEET 11 OF 14



THIS IS NOT A BOUNDARY SURVEY; TOPOGRAPHIC INFORMATION IS BASED UPON A PARTIAL TOPOGRAPHIC SURVEY PREPARED BY HIGH MESA CONSULTING GROUP, NMPS NO. 11184, DATED 11/15/2007. SUPPLEMENTAL INFORMATION SHOWN IS BASED UPON RECORD DRAWINGS PREPARED BY HIGH MESA CONSULTING GROUP, CERTIFIED 03/09/09 BY ENGINEER ON RECORD, NMPE 8547

## PROJECT BENCHMARK

A NMSHC BRASS DISK STAMPED "STA 1-25-30" SET IN TOP OF A CONCRETE POST 0.2' ABOVE GROUND LOCATED ADJACENT TO THE NORTHWEST INTERSECTION OF GIBSON BOULEVARD AND THE 1-25 BRIDGE INTERCHANGE.  
ELEVATION = 5041.30 FEET (NAVD 88)

A P.K. NAIL AND SHINER AS SHOWN ON THIS SHEET.  
ELEVATION = 5026.94 FEET (NAVD 88)

A PORTION OF ALBUQUERQUE HIGH SCHOOL, UNPLATTED.

THIS PLAN IS AN AMENDMENT TO THE EXISTING SWPPP FOR THIS SITE DATED 06-23-2008. PHASE 2B EXPANDS AND MODIFIES THE EXISTING DETENTION POND SERVING AS A TEMPORARY SEDIMENT BASIN FOR THE DURATION OF PHASE 2A AND 2B.

CONSTRUCT	RECORD INFORMATION (VERIFIED BY ENGINEER)
✓	AS-CONSTRUCTED = AS-DESIGNED (VERIFIED BY ENGINEER)
38' 42"	RECORD INFORMATION (VERIFIED BY ENGINEER)
+25.2	RECORD INFORMATION (VERIFIED BY ENGINEER)
⊕ 28.98' 12	RECORD INFORMATION (VERIFIED BY ENGINEER)
✓	AS-CONSTRUCTED = AS-DESIGNED (VERIFIED BY AS-BUILT SURVEY)
31.8	RECORD INFORMATION FROM AS-BUILT SURVEY
+26.9	RECORD INFORMATION FROM AS-BUILT SURVEY
⊕ 31.25' 22	RECORD INFORMATION FROM AS-BUILT SURVEY

**RECORD DRAWING**  
**FOR CERTIFICATION, SEE SHEET 1**

SCALE: 1" = 20'

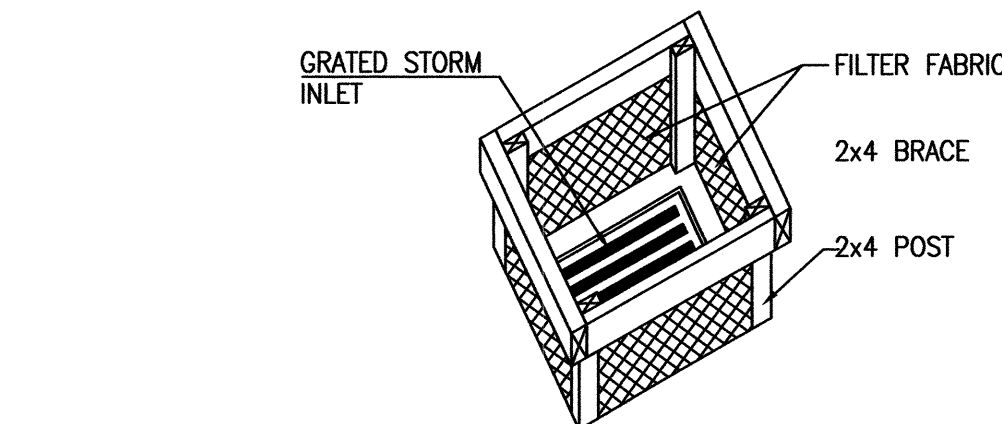
MATCHLINE: FOR CONTINUATION, SEE SHEET 13



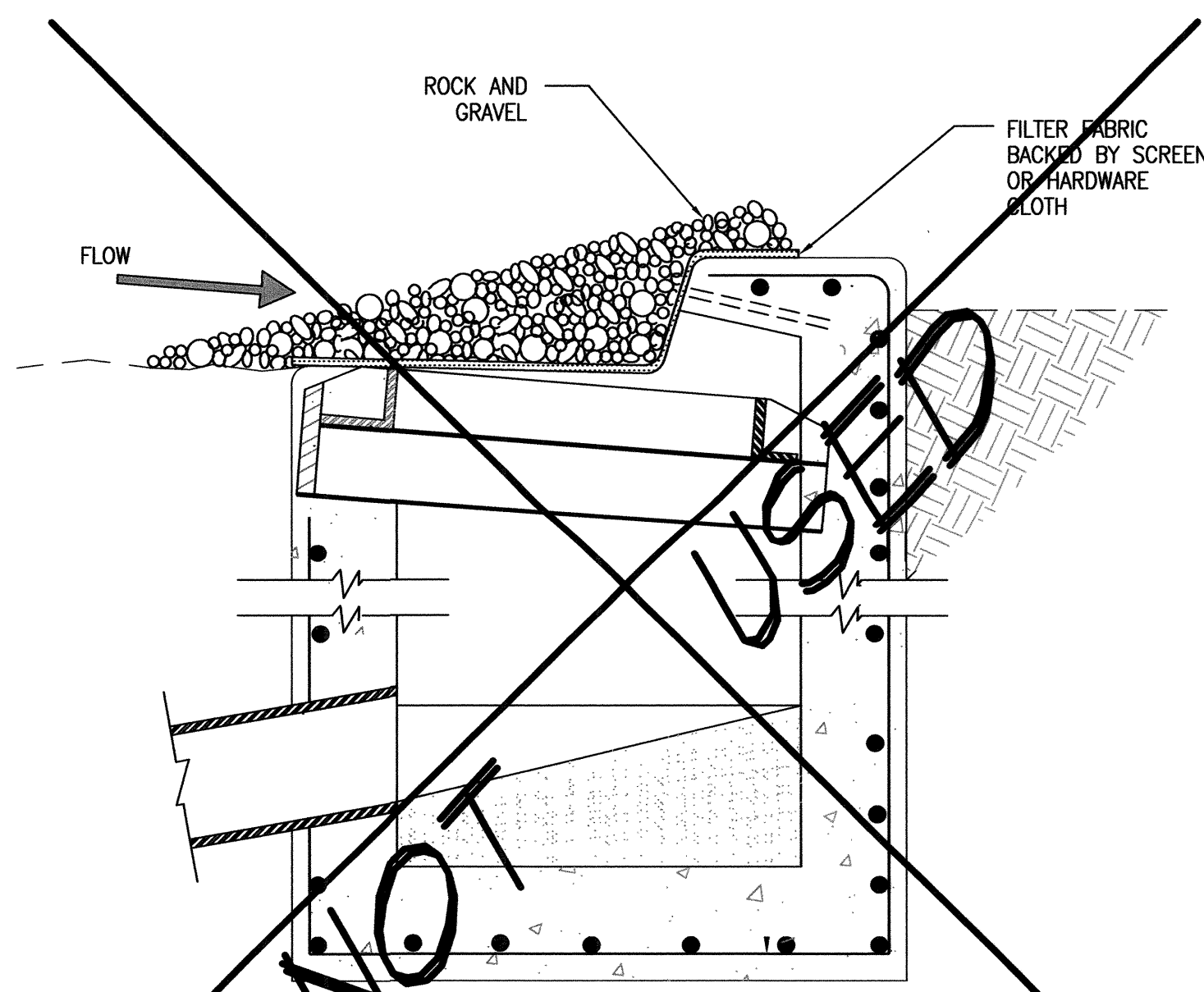




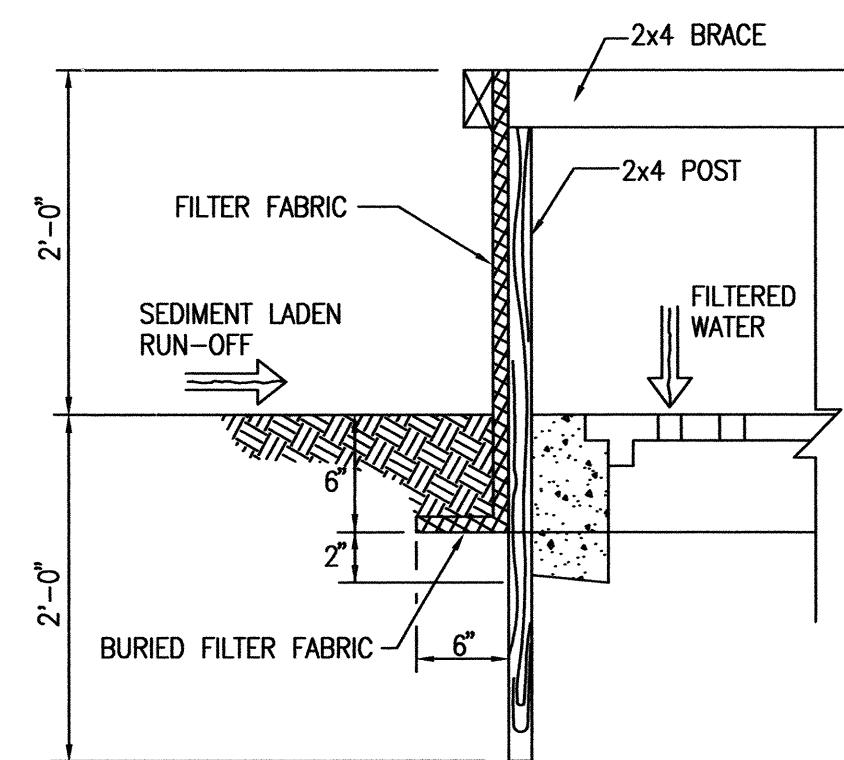
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File Name: 71837-1.dwg Plot Time: 08:25 am



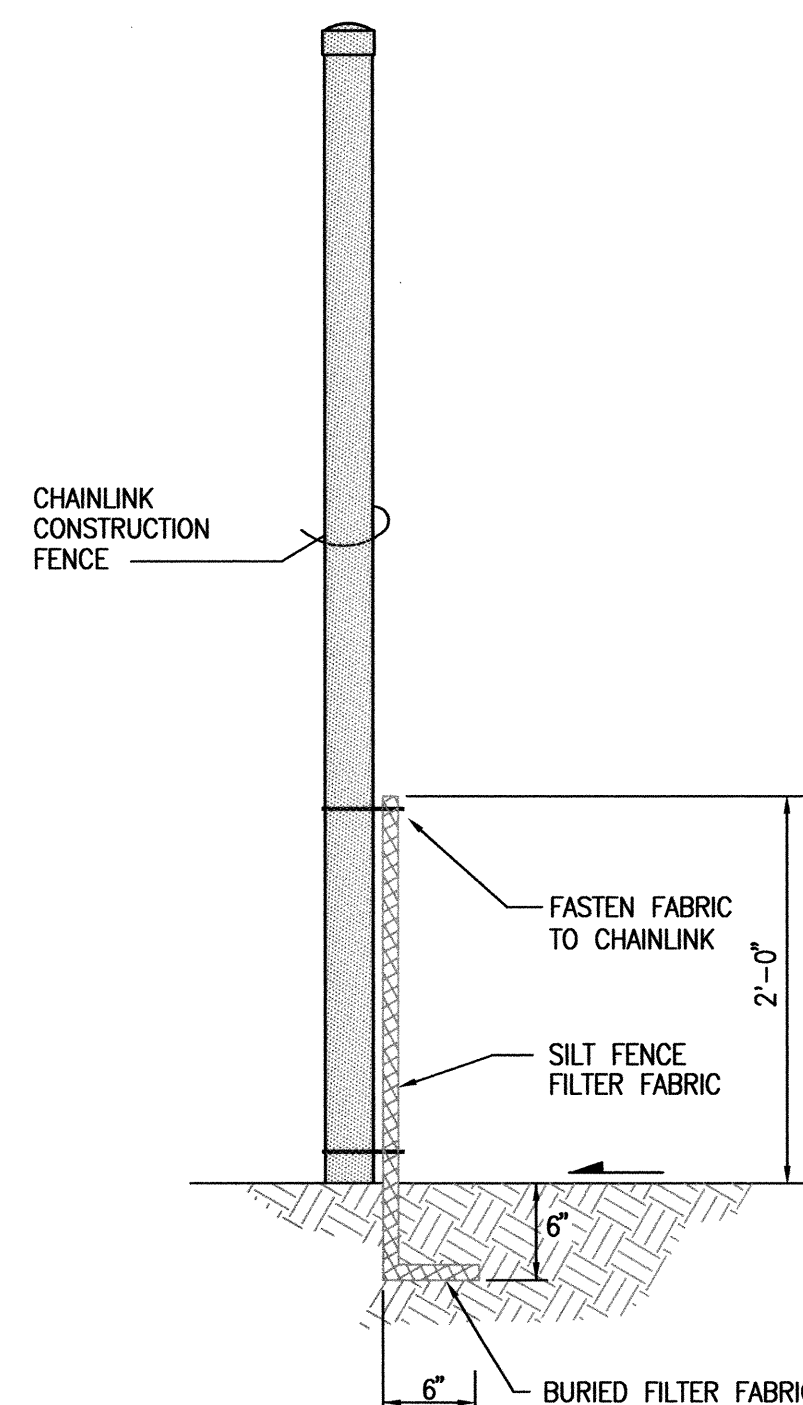
D1 SILT FENCE INLET PROTECTION  
NOT TO SCALE



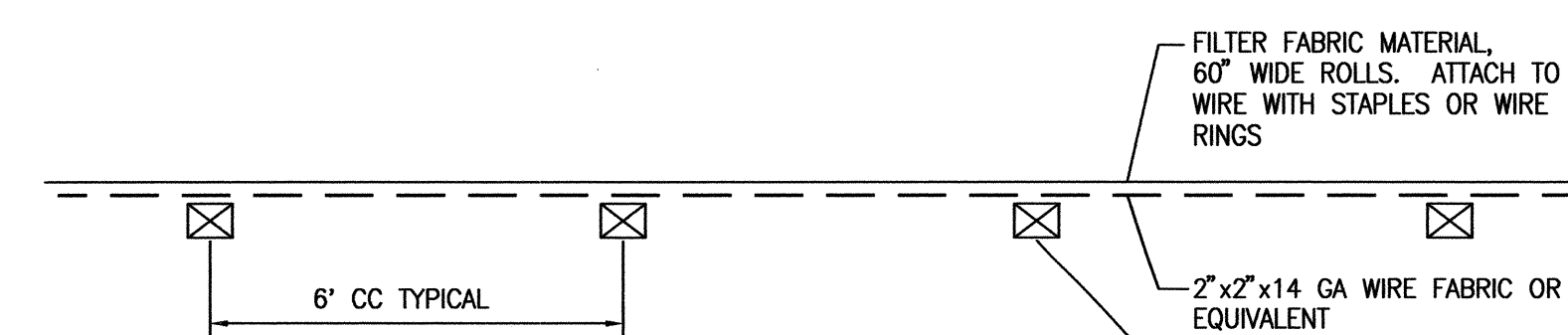
D2 TYPICAL STORM INLET PROTECTION  
SCALE: 1" = 1'



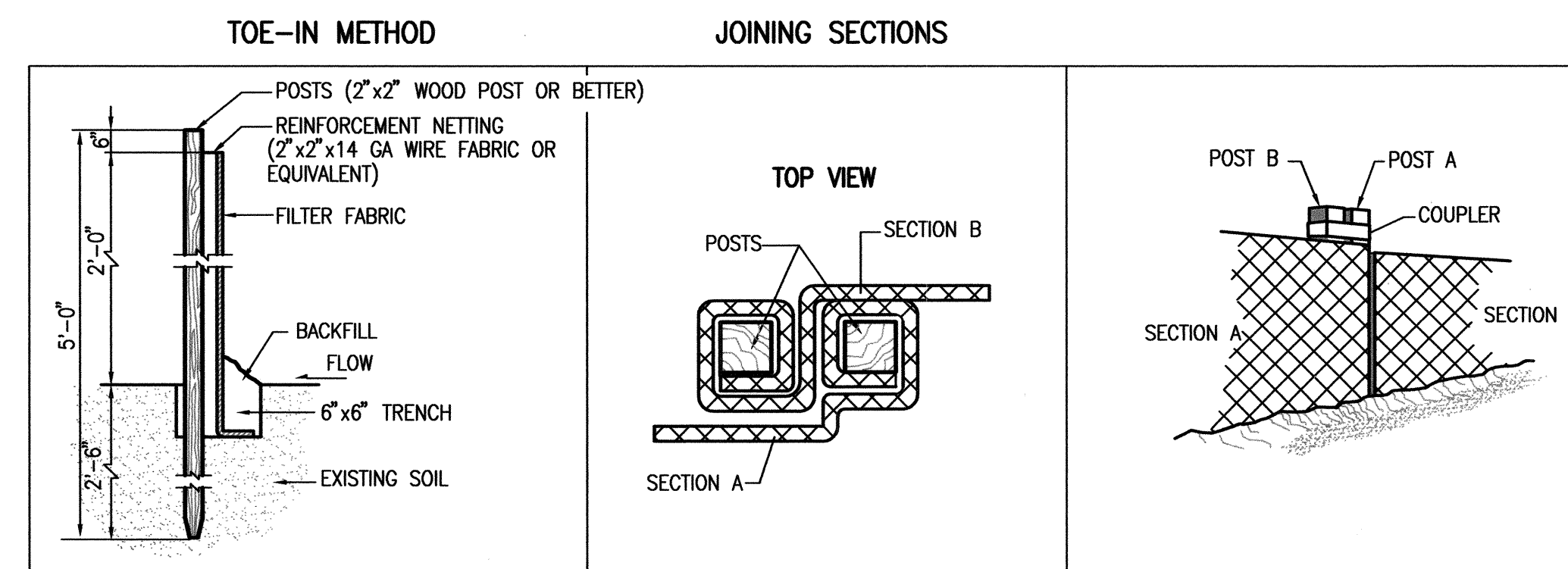
B1 SILT FENCE INLET PROTECTION SECTION  
NOT TO SCALE



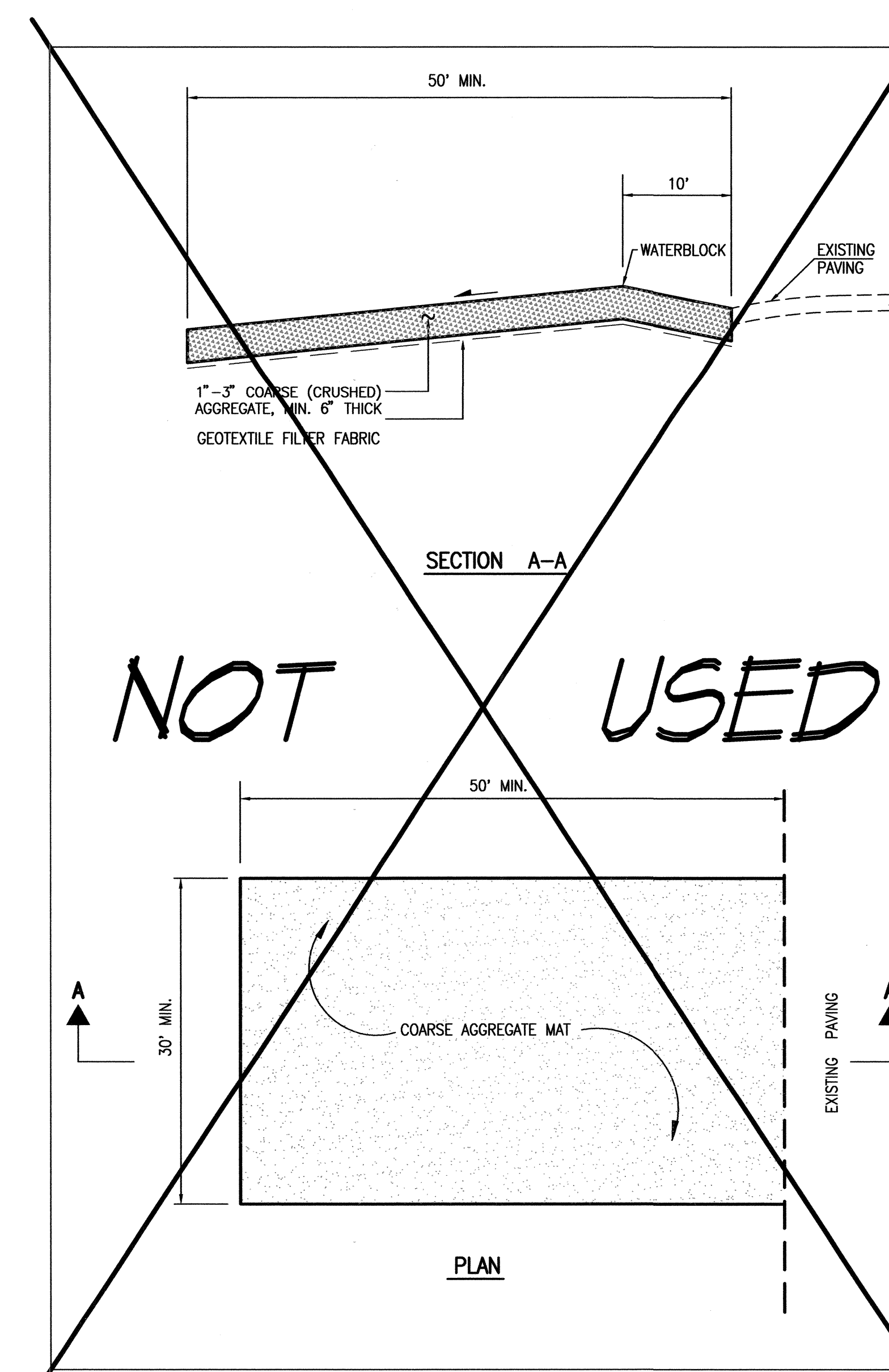
B3 CONSTRUCTION FENCE/SILT FENCE SECTION  
SCALE: 1" = 2'



A1 PLAN  
NOT TO SCALE



A3 PREFABRICATED SILT FENCE DETAILS  
NOT TO SCALE



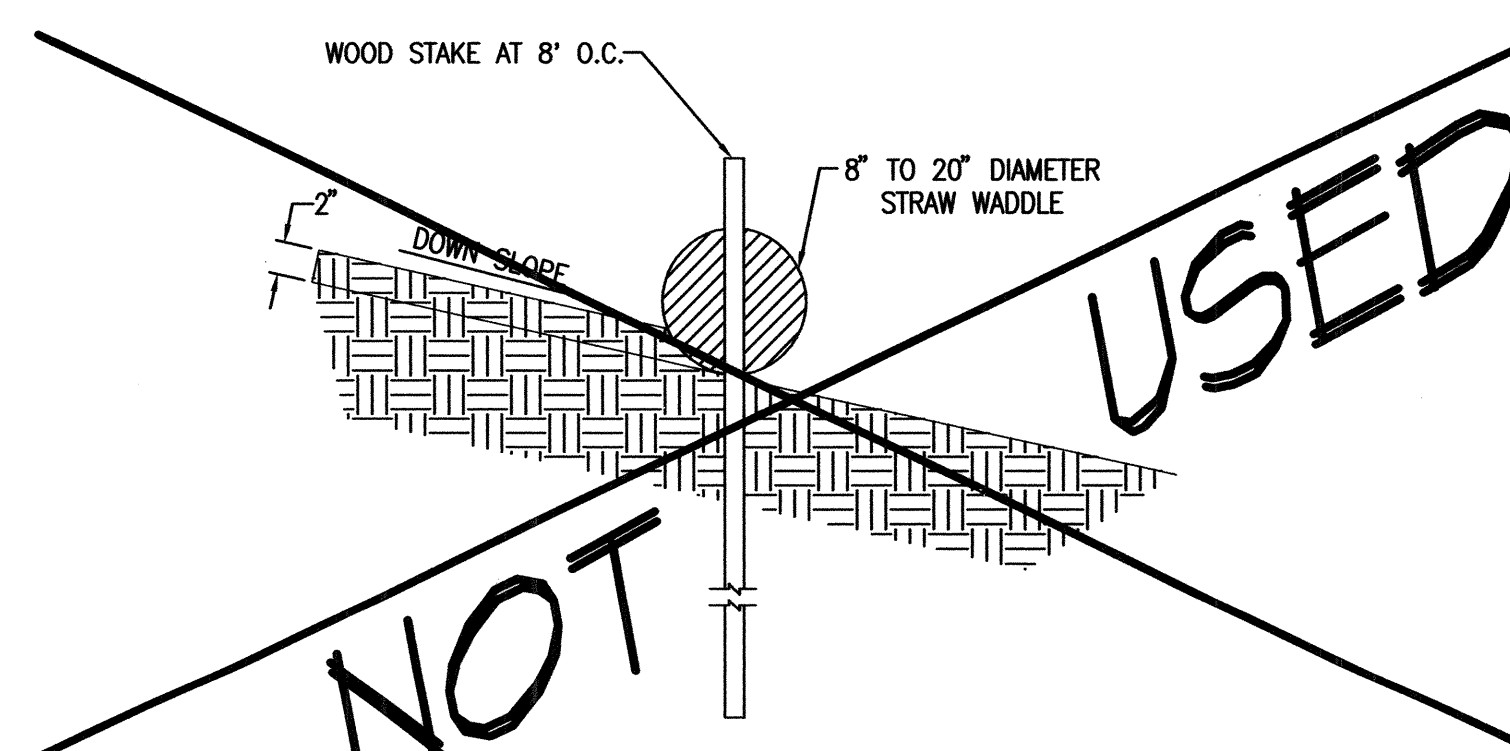
B4 CONSTRUCTION ENTRANCE STABILIZATION  
SCALE: 1" = 10' HORIZ.  
1" = 2' VERT.

NOTE: PAVEMENT SHEEPING SUBSTITUTED AS ALTERNATE BMP TO CONTROL DUST TRACKING FROM JOB SITE.

#### RECORD DRAWING LEGEND

CONSTRUCT	RECORD INFORMATION (VERIFIED BY ENGINEER)
✓	AS-CONSTRUCTED = AS-DESIGNED (VERIFIED BY ENGINEER)
38' 42"	RECORD INFORMATION (VERIFIED BY ENGINEER)
+ 25.2	RECORD INFORMATION (VERIFIED BY ENGINEER)
● 28.95/42	RECORD INFORMATION (VERIFIED BY ENGINEER)
✓	AS-CONSTRUCTED = AS-DESIGNED (VERIFIED BY AS-BUILT SURVEY)
✓ 31.8	RECORD INFORMATION FROM AS-BUILT SURVEY
+ 26.9	RECORD INFORMATION FROM AS-BUILT SURVEY
● 31.25/22	RECORD INFORMATION FROM AS-BUILT SURVEY

RECORD DRAWING  
FOR CERTIFICATION, SEE SHEET 1



A5 TYPICAL STRAW WADDLE INSTALLATION SECTION  
SCALE: 1" = 1'-0"

#### EROSION CONTROL NOTES

- THIS PLAN ADDRESSES GENERAL AND SPECIFIC MEASURES FOR CONSTRUCTION PHASE EROSION AND DUST CONTROL. REFER TO THE GRADING AND DRAINAGE PLAN PREPARED BY HIGH MESA CONSULTING GROUP FOR GRADING NOTES AND INFORMATION.
- THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE SITE INTO PUBLIC RIGHT-OF-WAY OR ONTO PRIVATE PROPERTY.
- THE CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY SO THAT THE EXCAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET.
- CONCRETE TRUCKS SHALL BE SENT BACK TO PLANT FOR WASHING. THE WASHING OF CONCRETE TRUCKS SHALL NOT BE PERMITTED ON THIS SITE.
- THE CONTRACTOR SHALL SECURE ALL REQUIRED PERMITS PRIOR TO BEGINNING CONSTRUCTION.
- THE CONTRACTOR SHALL PROMPTLY REMOVE SEDIMENT ACCUMULATION FROM SILT FENCES WITHIN 48 HOURS OF A RAINFALL EVENT.
- THE CONTRACTOR SHALL PICK UP LITTER AND CONSTRUCTION DEBRIS ON A DAILY BASIS.
- OFFSITE MATERIAL STORAGE AREAS USED BY THIS PROJECT ARE CONSIDERED PART OF THE PROJECT AND ARE SUBJECT TO THE REQUIREMENTS OF THIS EROSION CONTROL PLAN.
- THE CONTRACTOR SHALL IMPLEMENT ON-SITE STRUCTURAL EROSION CONTROL PRACTICES AS REQUIRED TO COMPLY WITH THE EROSION CONTROL PLAN. THESE PRACTICES MAY INCLUDE BUT ARE NOT LIMITED TO: SILT FENCES, EARTHEN DIKES, DRAINAGE SWALES, SEDIMENT TRAPS, CHECK DAMS, SUBSURFACE DRAINS, PIPE SLOPE DRAINS, LEVEL SPREADERS, STORM RETAINING SYSTEM, GABIONS AND TEMPORARY OR PERMANENT SEDIMENT BASINS.
- THE CONTRACTOR SHALL MINIMIZE OFFSITE VEHICLE TRACKING OF SEDIMENT AND DUST GENERATION.
- UPON COMPLETION OF MASS GRADING, ALL DISTURBED AREAS SHALL BE STABILIZED WITH PERMANENT CONSTRUCTION, LANDSCAPING, VEGETATION AND/OR GRAVEL MULCH. SILT FENCING CAN BE REMOVED UPON SUCCESSFUL ESTABLISHMENT OF VEGETATION.
- REFER TO STORM WATER POLLUTION PREVENTION PLAN FOR PROJECT SPECIFIC PHASING AND INFORMATION. THIS PROJECT SHALL BE IMPLEMENTED IN PHASES TO MINIMIZE THE EXTENT AND DURATION OF SURFACE DISTURBANCE.
- FOR EXAMPLES OF ADDITIONAL BMP'S, REFER TO THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM MANUAL - STORM WATER MANAGEMENT GUIDELINES FOR CONSTRUCTION AND INDUSTRIAL ACTIVITIES, NOVEMBER 2002.
- THE OWNER HAS PREPARED THE SWPPP. THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING AND SIGNING THE SWPPP AS WELL AS PROVIDING, MAINTAINING AND INSPECTING THE BMP'S ALONG WITH ANY REVISIONS THERETO.
- THOSE PORTIONS OF THE COMPLETED PROJECT NOT STABILIZED WITH PERMANENT CONSTRUCTION OR FORMAL LANDSCAPING SHALL BE REVEGETATED WITH NATIVE GRASS SEEDING FOR SANDY SOILS PER SEED MIX SPECIFIED HEREON AND SPECIFICATIONS CONTAINED IN APPENDIX 9 OF THE SWPPP.

#### SEED MIX FOR SANDY SOILS

VARIETY/COMMON NAME	GENUS/SPECIES	PLS./ACRE
"PALOMA" INDIAN RICE GRASS	ORYZOPSIS HYMENOIDES	5.0
"VIVA" GALLETA GRASS	HILARIA JAMBERT	1.0
"NINER" SIDE OATS GRAMA	BOUTELOUA CURTIPENDULA	3.0
"HATCHITA" BLUE GRAMA	BOUTELOUA GRACIOSA	1.0
SAND DROPSEED (NM REGION)	SPOROBOLUS CRYPTANDRUS	1.0
FOURWING SAMBUSH (NM REGION)	ATRIPLEX CANESCENS (DE-WINGED)	1.0
TOTAL RATE:		12.0 LBS./ACRE

NOTE: REVEGETATION OF POND DELETED TO AVOID ADDED MAINTENANCE OF "WEED CONTROL" BY AFS M & O. FREQUENT ENTRY FOR "WEED CONTROL" WOULD DISTURB SLOPES AND BERM.

**HIGH MESA**  
Consulting Group

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01-11-2010 7:06  
01-26-2010 7:06  
06-05-2009

REGISTERED PROFESSIONAL ENGINEER  
STATE OF NEW MEXICO  
1837

MASTER DRAINAGE PLAN IMPROVEMENTS  
PHASE 2-B  
ALBUQUERQUE HIGH SCHOOL

NO. DATE BY REVISIONS  
1 01/26/10 J.S.M. BWP RECORD  
2 01/26/10 J.S.M. REC. DWS. & CERT.  
3 01/26/10 J.S.M. SWPPP CLOSED OUT

PROJECT No. 2007.183.7  
DESIGNED BY G.R.B.  
DRAWN BY J.Y.R.  
APPROVED BY J.G.M.  
SHEET TITLE  
EROSION CONTROL  
PLAN, NOTES  
AND DETAILS  
C-314  
SHEET 14 OF 14