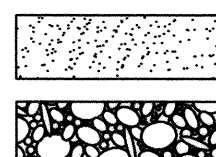


# LEGEND

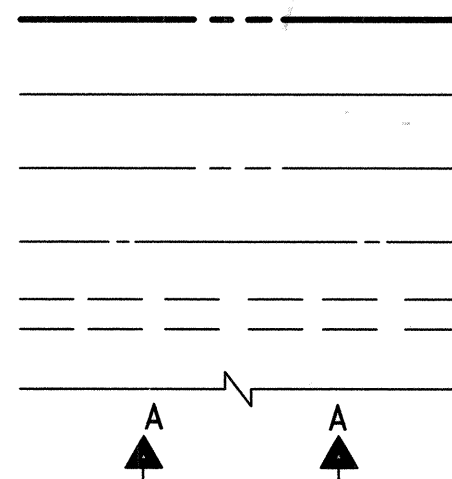
## MATERIALS

CONCRETE  
RIP-RAP



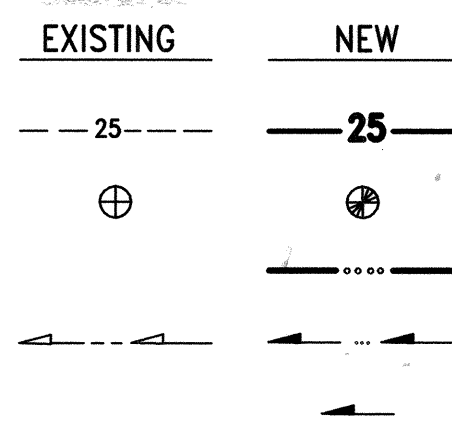
## LINES

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



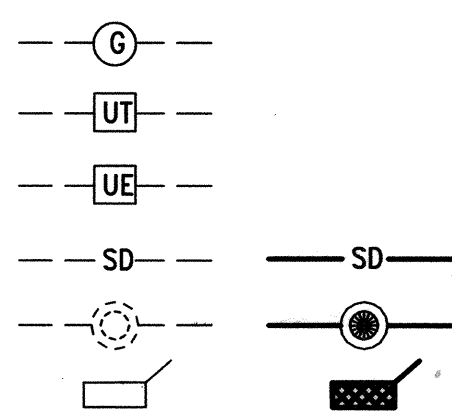
## EARTHWORK

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



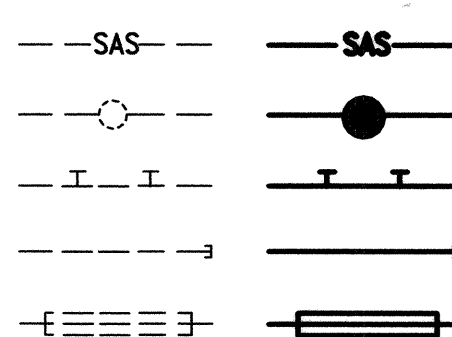
## MISCELLANEOUS UTILITIES

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



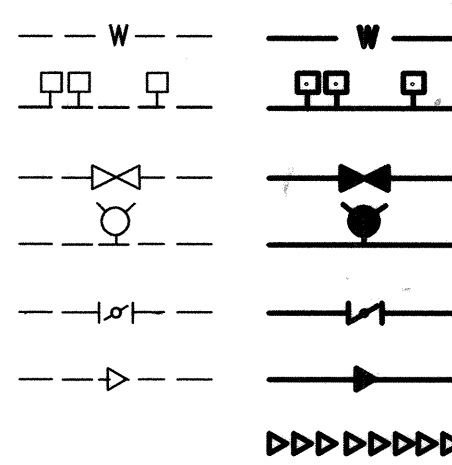
## SANITARY SEWER

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



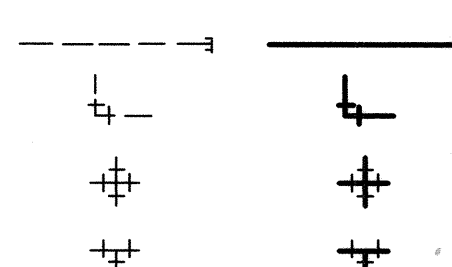
## WATER

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



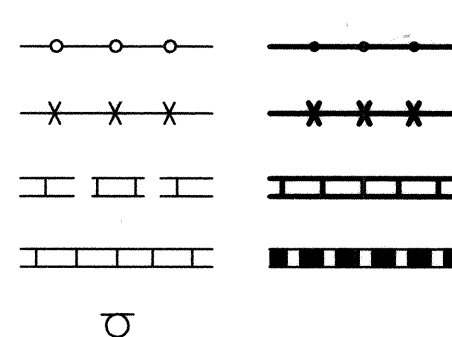
## WATER FITTINGS

CAPS AND PLUGS  
ELBOW  
CROSS  
TEE



## MISCELLANEOUS

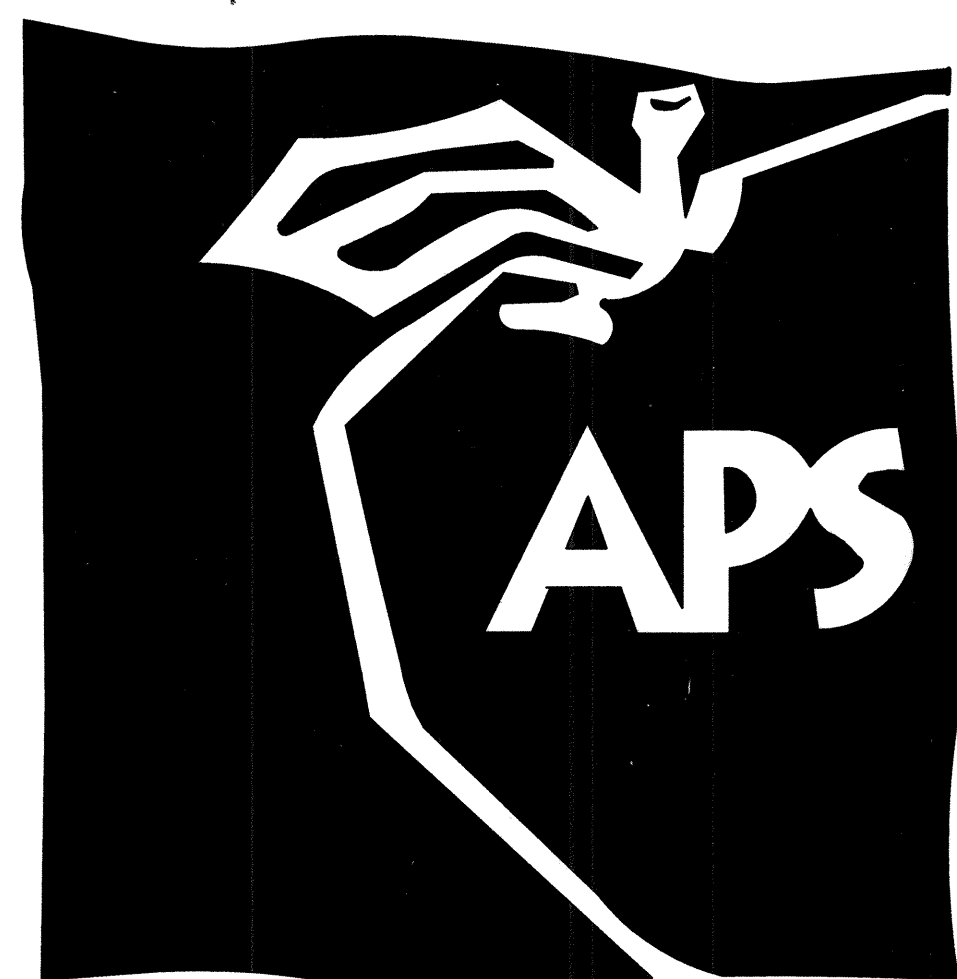
CHAINLINK FENCE  
FIELD FENCE  
COMMON YARD WALL  
RETAINING WALL  
POWER OR TELEPHONE POLE



SCANNED BY  
PLANNING

# SOUTHWEST ELEMENTARY SCHOOL PUBLIC INFRASTRUCTURE

ALBUQUERQUE, NEW MEXICO  
SEPTEMBER, 2008



## INDEX OF DRAWINGS

SHEET	DESCRIPTION
1	COVER SHEET, VICINITY MAP, GENERAL NOTES, LEGEND AND INDEX OF DRAWINGS
2	PLAT
3	OVERALL <del>PLAN</del>
4	NEW SCHOOL <del>PLAN</del>
5	EUCARIZ AVENUE SOUTHWEST PAVING IMPROVEMENTS PLAN AND PROFILE STA 16+00.00 TO STA 20+79.62
6	EUCARIZ AVENUE SOUTHWEST PAVING IMPROVEMENTS PLAN AND PROFILE STA 10+30.04 TO STA 16+00.00
7	PAVING SECTIONS AND DETAILS
7A	PRIVATE ENTRANCE REVISIONS BY CHANGE ORDER.
8	LINE 'X' WATER LINE EXTENSION PLAN AND PROFILE
9	LINE 'Y' WATER LINE EXTENSION PLAN AND PROFILE
10	WATER LINE SECTIONS AND DETAILS; WATER VALVE SHUTOFF PLAN
11	TRAFFIC NOTES, LEGEND, EQUIPMENT REQUIREMENTS AND INCIDENTAL ITEMS
12	FLASHING BEACONS DETAILS (MASTARM)
13	FLASHING BEACONS DETAILS (PEDESTAL)
14	TRAFFIC SIGNAL MASTARM DETAILS, TYPE II STANDARD
15	FOUNDATION DETAILS, TYPE II AND TYPE III STANDARDS
16	TRAFFIC SIGNAL PULL BOX AND SCHOOL SIGN DETAILS
17	METER PEDESTAL DETAILS
18	EUCARIZ AVENUE S.W. FLASHING BEACON, STRIPING & SIGNAGE PLAN
18A	EUCARIZ AVE. SW. STRIPING, ERADICATION PLAN.
19	86th STREET S.W. FLASHING BEACON, STRIPING & SIGNAGE PLAN
18B	EUCARIZ AVE. S.W. REVISED STRIPING & SIGNAGE PLAN

## CERTIFICATE OF SUBSTANTIAL COMPLIANCE

I, JEFFREY G. MORTENSEN, NMPE 8547, OF THE FIRM HIGH MESA CONSULTING GROUP, HEREBY CERTIFY THAT THE INFRASTRUCTURE CONSTRUCTED AS PART OF THIS PROJECT HAS BEEN INSPECTED BY ME OR PERSONNEL UNDER MY DIRECT SUPERVISION AND, TO THE BEST OF MY KNOWLEDGE AND BELIEF, HAS BEEN CONSTRUCTED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS AND THE ORIGINAL DESIGN INTENT OF THE CITY ENGINEER APPROVED PLANS DATED 09-10-2008. THE RECORD INFORMATION EDITED ONTO THIS ORIGINAL DESIGN DOCUMENT WITH AS-BUILT SURVEY DATA OBTAINED 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 RECORD INFORMATION IS NOT NECESSARILY COMPLETE AND INTENDED ONLY TO VERIFY SUBSTANTIAL COMPLIANCE OF THE DESIGN INTENT OF THIS PROJECT. THOSE RELYING ON THIS DOCUMENT ARE ADVISED TO OBTAIN INDEPENDENT VERIFICATION OF ITS ACCURACY BEFORE USING IT FOR ANY OTHER PURPOSE. THIS CERTIFICATION IS SUBMITTED IN SUPPORT OF A REQUEST FOR ACCEPTANCE OF THE PROJECT BY THE CITY ENGINEER.

JEFFREY G. MORTENSEN, NMPE 8547

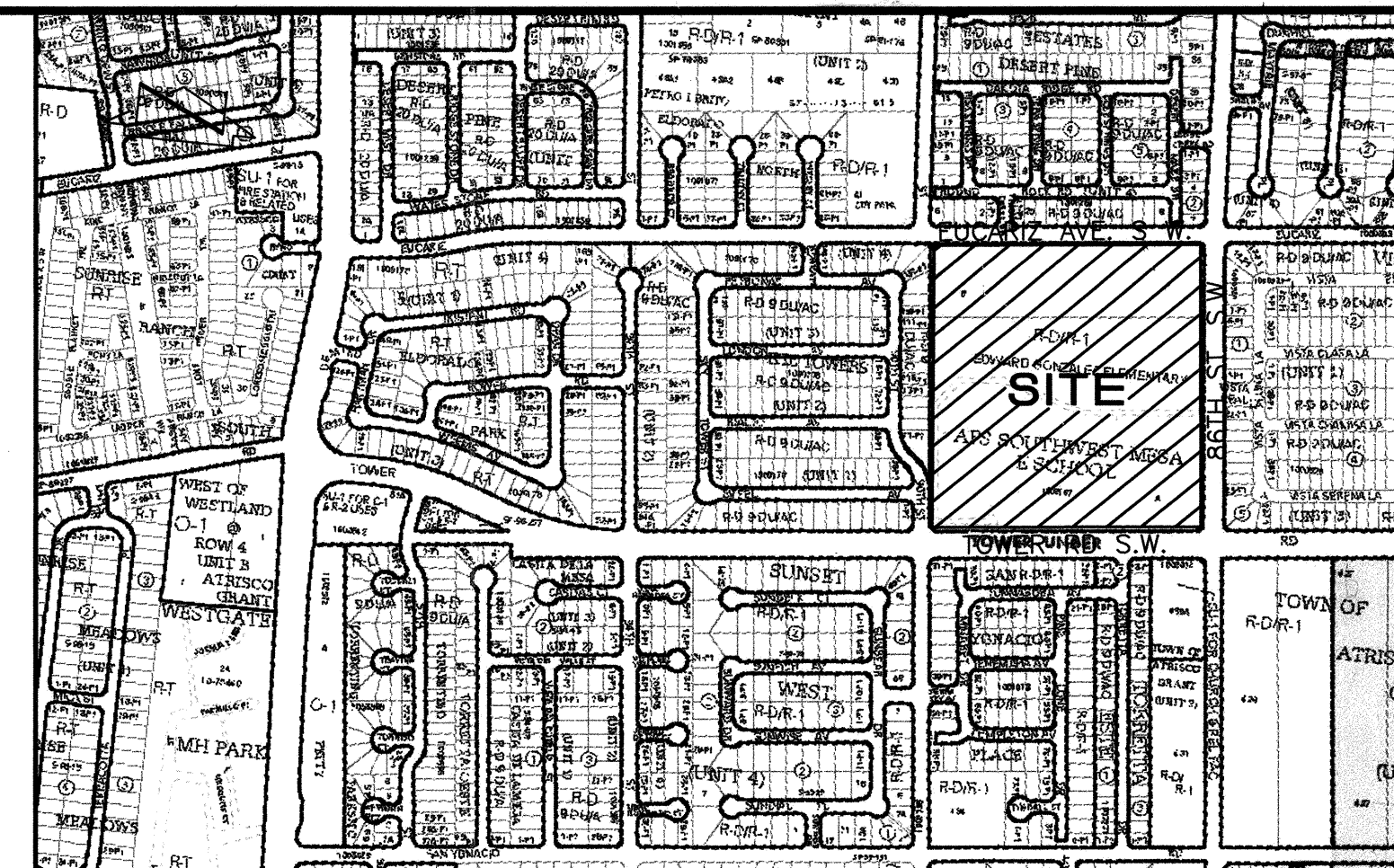
DATE

05-22-2009  
12-23-2010



APPROVED AS RECORD DRAWINGS  
DESIGN REVIEW SECTION  
CITY CONSTRUCTION ENGINEER  
DATE: 4/8/11

DRP #  
1003167



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 CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS-PUBLIC WORKS CONSTRUCTION-1986 - UPDATE NO. 7, AMENDMENT 1.
- 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 THEREOF. 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.
- ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
- TACK COAT REQUIREMENTS SHALL BE DETERMINED DURING CONSTRUCTION BY THE PROJECT ENGINEER.
- SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- IF CURB IS DEEPENED FOR A DRIVEPAD OR A HANDICAP RAMP, THE DRIVEPAD OR RAMP SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF THE CURB AND GUTTER.
- ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.
- CONTRACTOR SHALL COORDINATE WITH THE WATER AUTHORITY FOR THE EXECUTION OF THE VALVE SHUT OFF PLAN, NOT LESS THAN SEVEN (7) WORKING DAYS IN ADVANCE OF ANY WORK THAT MAY AFFECT THE EXISTING PUBLIC WATER UTILITIES. ONLY WATER AUTHORITY PERSONNEL SHALL OPERATE EXISTING VALVES. REFER TO SECTION 18 OF THE SPECIFICATION. THE WATER AUTHORITY PHONE NUMBER IS 857-8200.
- CONTRACTOR SHALL NOTIFY THE CITY SURVEYOR NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND SHALL NOTIFY THE CITY SURVEYOR AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. 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. REFER TO SECTION 4.4 OF THE SPECIFICATIONS.
- SEVEN (7) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION CO-ORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION CO-ORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (924-3400) PRIOR TO OCCUPANCY AN INTERSECTION. CONTRACTOR MUST REFER TO SECTION 19 OF THE STANDARD SPECIFICATION FOR TRAFFIC CONTROL.
- ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED STRIPING BY CONTRACTOR TO EXISTING LOCATION OR AS INDICATED BY THIS PLAN SET.
- 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.
- ANY WORK OCCURRING WITHIN AN ARTERIAL ROADWAY REQUIRES TWENTY-FOUR HOUR CONSTRUCTION.
- CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
- WHEN APPLICABLE, CONTRACTOR SHALL, ON BEHALF OF THE OWNER AND OPERATORS, SECURE "TOPSOIL DISTURBANCE."
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL CONSTRUCTION SIGNING UNTIL PROJECT HAS BEEN ACCEPTED BY THE CITY OF ALBUQUERQUE.

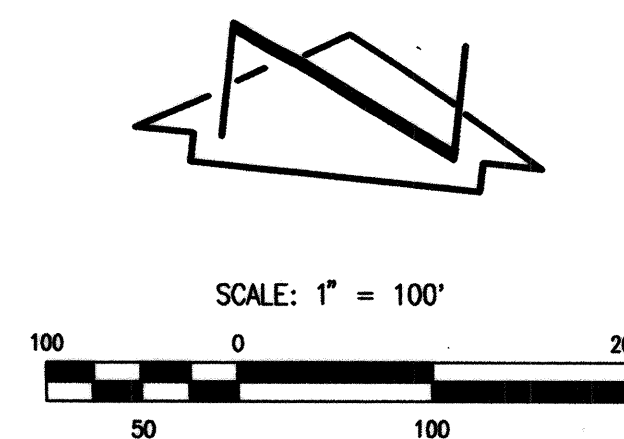
**HIGH MESA Consulting Group**  
FORMERLY JEFF MORTENSEN AND ASSOCIATES, INC.  
6010-B MIDWAY PARK BLVD. NE • ALBUQUERQUE, NEW MEXICO 87109  
PHONE: 505.345.4250 • FAX: 505.345.4254 • www.hghmesacg.com

2006.180.7

13-7A, 18A, 18B	12-08-09	12/8/09									
13-7A, 18A, 18B	12-08-09	12/8/09									
1-10											
4											
REV.	SHEETS	CITY ENGINEER	DATE	USER	DEPARTMENT	DATE	USER	DEPARTMENT	DATE		
12-03-2009											
ENGINEERS STAMP & SIGNATURE			APPROVALS			ENGINEER			DATE		
12-03-2009			DRC Chairman			12/12/08			APPROVED FOR CONSTRUCTION		
			Transportation			10-24-09					
			Water/Wastewater			9-22-09					
			Hydrology			9/22/09					
			C.I.P.								
			Const. Mngmt.								
			Const. Coord.								
			City Project No.			709183			SHEET 1 OF 19		



SP #2007291160



PLAT OF  
**TRACT A,**  
**EDWARD GONZALES ELEMENTARY SCHOOL**  
ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO  
APRIL, 2008

DOC# 2008073733

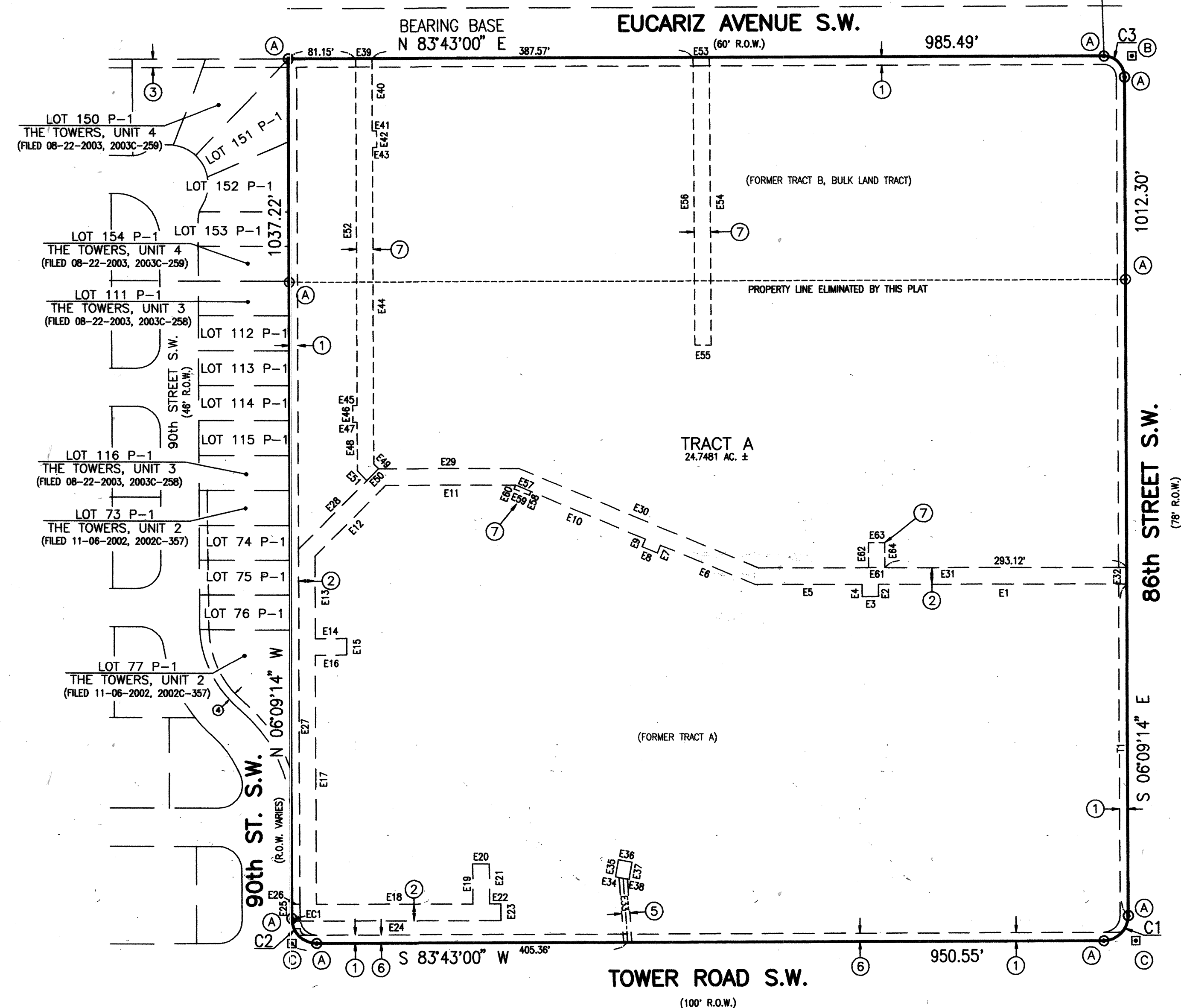
06/30/2008 02:22 PM Page: 3 of 3

PLAT R: \$17.00 B: 2008C P: 0145 M. Toulouse Olivere, Bernalillo Co

COUNTY CLERK FILING DATA

NEW MEXICO CENTRAL ZONE-NAD 1927  
A.C.S. STA. "7-K9"  
X=355,815.77  
Y=1,482,842.09  
COMBINED FACTOR=0.99967820  
DELTA ALPHA=-00°16'37"  
ELEVATION=5137.363' (NGVD 29)

N 07°53'59" W (GR)  
3008.80' (GROUND



**HIGH MESA Consulting Group**  
FORMERLY JEFF MORTENSHEN AND ASSOCIATES, INC.  
6010-B MIDWAY PARK BLVD. NE • ALBUQUERQUE, NEW MEXICO 87109  
PHONE: 505.345.4250 • FAX: 505.345.4254 • [www.highmesacg.com](http://www.highmesacg.com)  
JOB #2006.184.7 FINAL PLAT

**SHEET 3 OF 3**

# RECORD DRAWING

## KEYED NOTES

## EASEMENTS

- ① PUBLIC UTILITY EASEMENT GRANTED BY 2004C-153.
- ② 20' CITY OF ALBUQUERQUE PUBLIC WATER LINE EASEMENT GRANTED BY PLAT 2004C-153.
- ③ 10' PUBLIC UTILITY EASEMENT GRANTED BY PLAT 2000C-60, OFFSITE
- ④ 10' PUBLIC UTILITY EASEMENT GRANTED BY PLAT 2002C-357, OFFSITE
- ⑤ P.N.M. ELECTRIC AND QWEST EASEMENT GRANTED BY DOCUMENT FILED 12-19-2003, BOOK A70, PAGE 457, DOC. #2003225060
- ⑥ P.N.M. GAS SERVICES EASEMENT GRANTED BY DOCUMENT FILED 03-23-2004, BOOK A74, 7763, DOC. #2004037874

## NEW EASEMENT

- ⑦ 20' PUBLIC WATERLINE EASEMENT GRANTED BY THIS PLAT TO SERVE THE ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY.

## MONUMENTS

- (A) #5 REBAR W/CAP STAMPED "NEW MEXICO PS 11184"
- (B) CHISELED "+" IN TOP OF CURB
- (C) CHISELED "+" IN CONCRETE SIDEWALK

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
		FIELD NOTES					
NO.	DATE	BY	DATE			CONTRACTOR	DATE
2005.186.4		HMC3	07-31-06	ACS 3 1/4" ALUMINUM CAP STAMPED, "21-19", SET FLUSH ON THE TOP OF CONCRETE CURB IN THE WEST MEDIAN		INVOICED BY HMC3	4-8-09
				NOSE AT THE INTERSECTION OF TOWER ROAD S.W. AND 86TH STREET S.W. STATION IS LOCATED 4.9 FEET NORTH OF CENTERLINE OF TOWER ROAD S.W. AND 40.7 FEET WEST OF 86TH STREET S.W.		INSPECTOR'S K.J.E.	5-09
						ACCEPTANCE BY HMC3	5-09
						VERIFICATION BY HMC3	5-09
						DRAWINGS CORRECTED BY HMC3	5-09
				ELEVATION = 5103.681 FEET (NOV 1929)		RECORDED BY HMC3	
						DATE	
						NO.	

FOR INFORMATION ONLY

**HIGH MESA Consulting Group**

FORMERLY JEFF MORTESEN AND ASSOCIATES, INC.  
6010-B MIDWAY PARK BLVD. NE • ALBUQUERQUE, NEW MEXICO 87109  
PHONE: 505.345.4250 • FAX: 505.345.4254 • [www.highmesacg.com](http://www.highmesacg.com)  
**2006.180.7**

CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DEVELOPMENT GROUP

TITLE:	PLAT SOUTHWEST ELEMENTARY SCHOOL PUBLIC INFRASTRUCTURE
--------	--

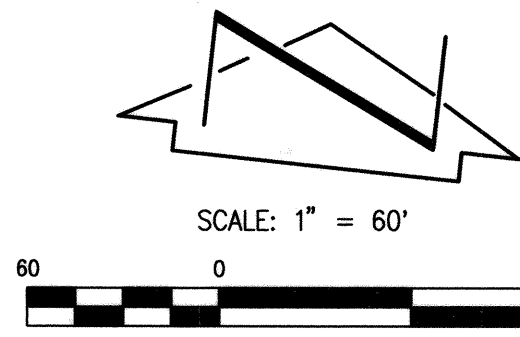
Design Review Committee	City Engineer Approval	Update	Mo

N/A	N/A	Last Design	
-----	-----	-------------	--

City Project No.	709183	Zone Map No.	L-9	Sheet No.	
------------------	--------	--------------	-----	-----------	--

Page 2 of 19

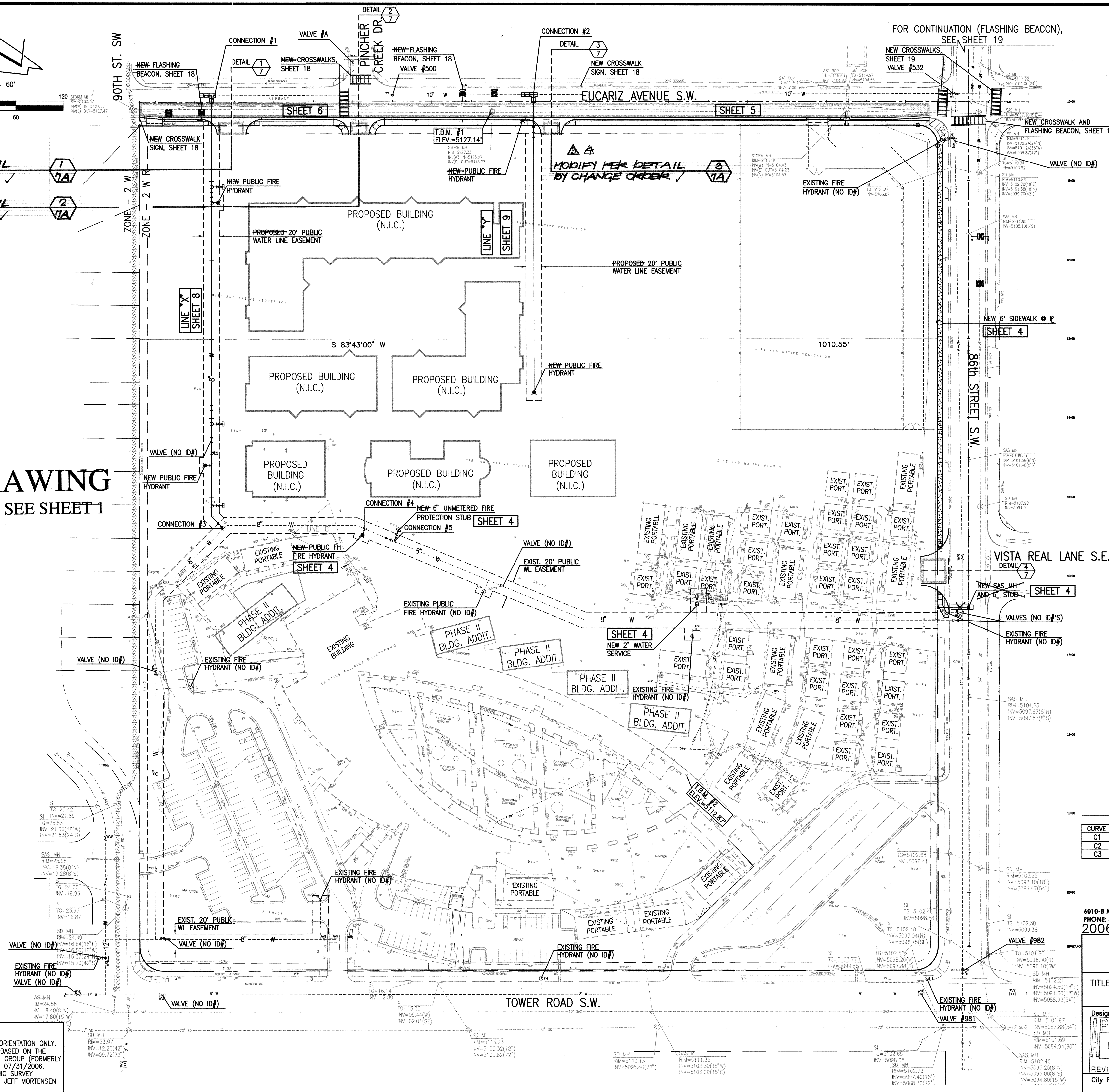




MODIFY PER DETAIL  
BY CHANGE ORDER

MODIFY PER DETAIL  
BY CHANGE ORDER

# RECORD DRAWING FOR CERTIFICATION, SEE SHEET 1



## LEGEND

ASPH	ASPHALT
BB	BREAKER BOX
BGP	BASKETBALL GOAL POST
BLDG	BUILDING
BR	BIKE RACK
C	COMMUNICATION
C&C	CUTTER AND CUTTER
COP	CONCRETE GUARD POST
CL	CENTERLINE
CLD	CENTERLINE OF DOOR
CLDD	CENTERLINE OF DOUBLE DOOR
CLF	CHAIN LINK FENCE
CMU	CONCRETE MASONRY UNIT
CO	CONCRETE GUARD POST
CONC	CONCRETE
CPLTR	CONCRETE PLANTER
CS	CONCRETE STEPS
CTC	CONCRETE TRASH CAN
CWALL	CONCRETE WALL
E	ELECTRIC
EA	EDGE OF ASPHALT
EB	ELECTRIC BOX
EC	EDGE OF CONCRETE
ECAB	ELECTRIC CABINET
ECND	ELECTRIC CONDUIT
EP	ELECTRIC PANEL
EPB	ELECTRIC PULLBOX
EPC	ELECTRIC PANEL AND CABINET
ET	ELECTRIC TRANSFORMER
FC	FIRELINE CONNECTION
FH	FIRE HYDRANT
FL	FLAG POLE
FP	FLAG POLE
G	GAS
GA	GATE
GM	GAS METER
GP	GUARD POST
GS	GAS SERVICE
HCS	HANDICAP SIGN
INV	INVERT ELEVATION
MC	MOUNT CURB
MCB	METAL CAN WITH BIVALVE
MCV	METAL CAN WITH VALVE
MH	METAL LIGHT POLE
MR	METAL RAMP
MR/S	METAL RAMP WITH STEPS
MS	METAL SIGN
MWS	METAL AND WOOD STEPS
OHE	OVERHEAD ELECTRIC
OHG	OVERHEAD MAST
OHM	OVERHEAD MAST
PE	PLAYGROUND EQUIPMENT
PI	PAINTED ISLAND
PM	BY PAINT MARK
PP	PAVING PATCH
PVC	POLY VINYL CHLORIDE
RCP	REINFORCED CONCRETE PIPE
RD	ROOF DRAIN
RDN	RUNDOWN
SDP	SERVICE DROP POLE
SGP	STEEL GUARD POST
SHR	STEEL HAND RAIL
SP	STEEL POLE
SW	SQUARE
SWC	SIDEWALK CULVERT
T	TELEPHONE
TA	TOP OF ASPHALT
TB	TETHER BALL
TC	TOP OF CONCRETE
TCAB	TELEPHONE CABINET
TCC	TRAFFIC CONTROL CABINET
TCD	TRAFFIC CONTROL CABINET
TDSW	TURNDOWN SIDEWALK
TR	TOP OF GRATE
TR	TELEPHONE RISER
TS	TRAFFIC SIGN
TYP	TYPICAL
WF	WOOD FENCE
WHB	WATERLINE HOTBOX
WL	WATERLINE
WPP	WOOD POWER POLE
WPP/CND	WOOD POWER POLE WITH CONDUIT
WS	WOOD STEPS
WSP	WOOD SERVICE POLE
WB	WATER VALVE BOX
X-WALK	CROSSWALK
*	UTILITY MARKER

T.B.M. #1  
A CHISELED CROSS ON THE S.W. CORNER  
OF CONCRETE PAD  
ELEVATION = 5127.14 FEET (NGVD 1929)

T.B.M. #2  
A CHISELED CROSS ON SIDEWALK  
ELEVATION = 5112.87 FEET (NGVD 1929)

## BOUNDARY TABLE

CURVE	RADIUS	LENGTH	CHORD	BEARING	DELTA
C1	30.00'	47.06'	42.38'	S 38°46'53" W	89°52'14"
C2	30.00'	47.19'	42.47'	N 51°13'07" W	90°07'46"
C3	25.00'	39.33'	35.40'	S 51°13'07" E	90°07'46"

**HIGH MESA Consulting Group**  
FORMERLY JEFF MORTESEN AND ASSOCIATES, INC.  
4010-B MIDWAY PARK BLVD., NE • ALBUQUERQUE, NEW MEXICO 87109  
PHONE: 505.345.4250 • FAX: 505.345.4254 • www.hghmesa.com  
2006.180.7

CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DEVELOPMENT GROUP

TITLE:  
OVERALL SITE PLAN  
SOUTHWEST ELEMENTARY SCHOOL  
PUBLIC INFRASTRUCTURE

Design Review Committee  
APPROVE  
DEC 2 2 2008  
DESIGN REVIEW COMMITTEE

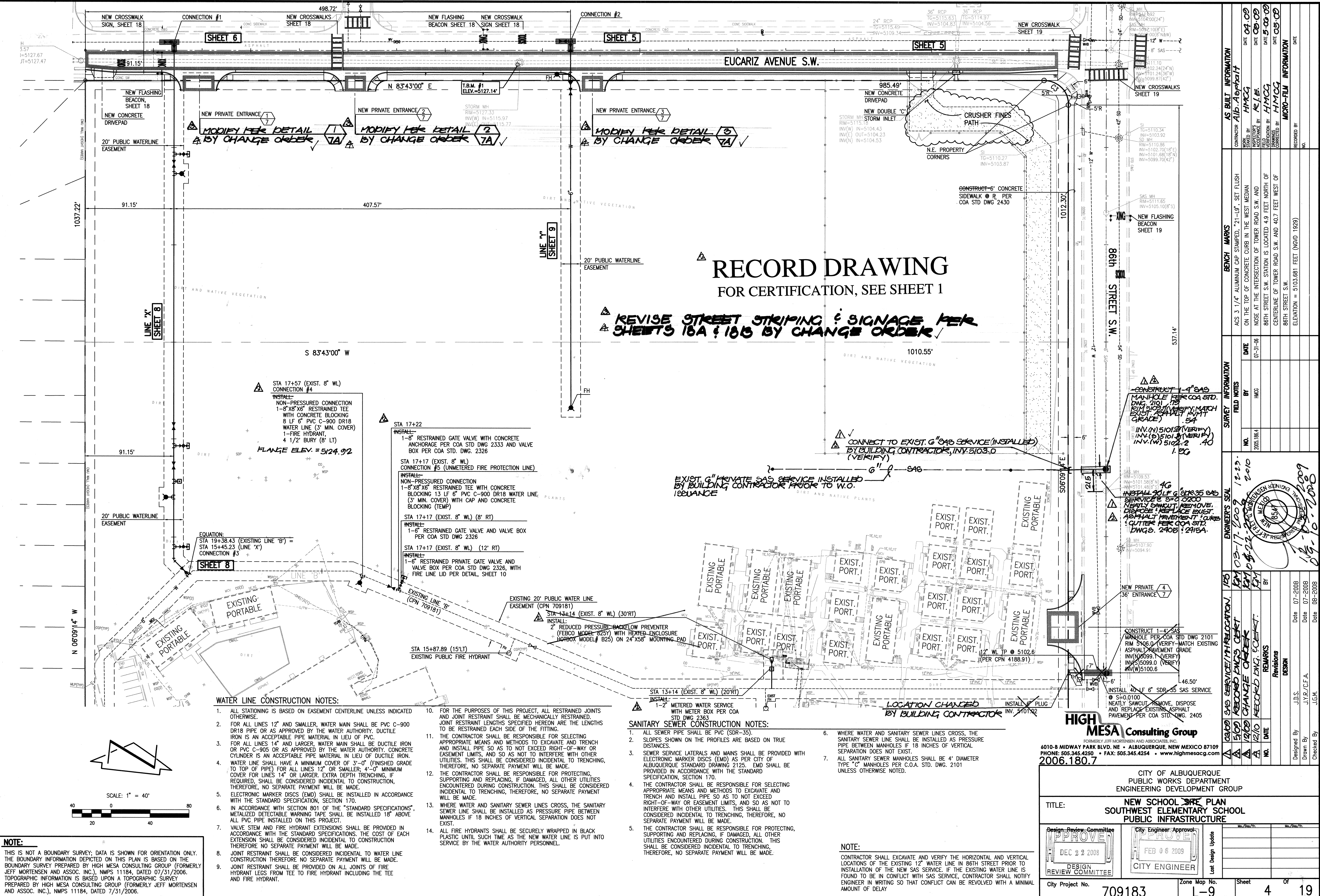
CITY ENGINEER  
APPROVE  
FEB 9 6 2009  
CITY ENGINEER

City Project No. 709183  
Zone Map No. L-9  
Sheet 3 Of 19

NOTE:  
THIS IS NOT A BOUNDARY SURVEY; DATA IS SHOWN FOR ORIENTATION ONLY.  
THE BOUNDARY INFORMATION DEPICTED ON THIS PLAN IS BASED ON THE  
BOUNDARY SURVEY PREPARED BY HIGH MESA CONSULTING GROUP (FORMERLY  
JEFF MORTESEN AND ASSOC. INC.), NMPS 11184, DATED 07/31/2006.  
TOPOGRAPHIC INFORMATION IS BASED UPON A TOPOGRAPHIC SURVEY  
PREPARED BY HIGH MESA CONSULTING GROUP (FORMERLY JEFF MORTESEN  
AND ASSOC. INC.), NMPS 11184, DATED 7/31/2006.

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	AKS 3 1/4"	ALUMINUM CAP STAMPED "21-19", SET FLUSH ON THE TOP OF CONCRETE CURB IN THE WEST MEDIAN	NO.	DATE	09-22-2009	09-22-2009
INSPECTOR	DATE	NOSE AT THE INTERSECTION OF TOWER ROAD S.W. AND 86TH STREET S.W. STATION IS LOCATED 4.9 FEET NORTH OF CENTERLINE OF TOWER ROAD S.W. AND 40.7 FEET WEST OF 86TH STREET S.W.		BY	DATE	09-22-2009	09-22-2009
REVISIONS	DATE			REVISIONS	DATE		
NO.	DATE			NO.	DATE		
DESIGN	DATE			DESIGN	DATE		
Drawn By	DATE			Drawn By	DATE		
Checked By	DATE			Checked By	DATE		





ENGINEER'S SEAL										1/28	
03-17-2009 12:29										1/28	
04-22-2010 2:10										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29										1/28	
12-19-2008 12:29											

**HIGH MESA Consulting Group**  
 4010-B MIDWAY PARK BLVD. NE ALBUQUERQUE, NEW MEXICO 87109  
 PHONE: 505.345.4250 • FAX: 505.345.4254 • www.higmesacg.com  
 2006.180.7

CITY OF ALBUQUERQUE  
 PUBLIC WORKS DEPARTMENT  
 ENGINEERING DEVELOPMENT GROUP

TITLE: **NEW SCHOOL SITE PLAN  
SOUTHWEST ELEMENTARY SCHOOL  
PUBLIC INFRASTRUCTURE**

Design-Review-Committee  
 APPROVED  
 DEC 2 2 2008  
 DESIGN REVIEW COMMITTEE

City Engineer  
 APPROVED  
 FEB 0 6 2009  
 CITY ENGINEER

City Project No. **709183** Zone Map No. **L-9** Sheet **4** Of **19**



SCANNED BY  
PLANNING

RECORD DRAWING LEGEND	
CONSTRUCT	RECORD INFORMATION (VERIFIED BY ENGINEER)
✓	AS-CONSTRUCTED = AS-DESIGNED (VERIFIED BY ENGINEER)
8' (7.9')	RECORD INFORMATION (VERIFIED BY ENGINEER)
31.25 (22)	RECORD INFORMATION (VERIFIED BY ENGINEER)
✓	AS-CONSTRUCTED = AS-DESIGNED (VERIFIED BY AS-BUILT SURVEY)
31.9	RECORD INFORMATION FROM AS-BUILT SURVEY
+26.9	RECORD INFORMATION FROM AS-BUILT SURVEY
31.25.22	RECORD INFORMATION FROM AS-BUILT SURVEY

NOTE:

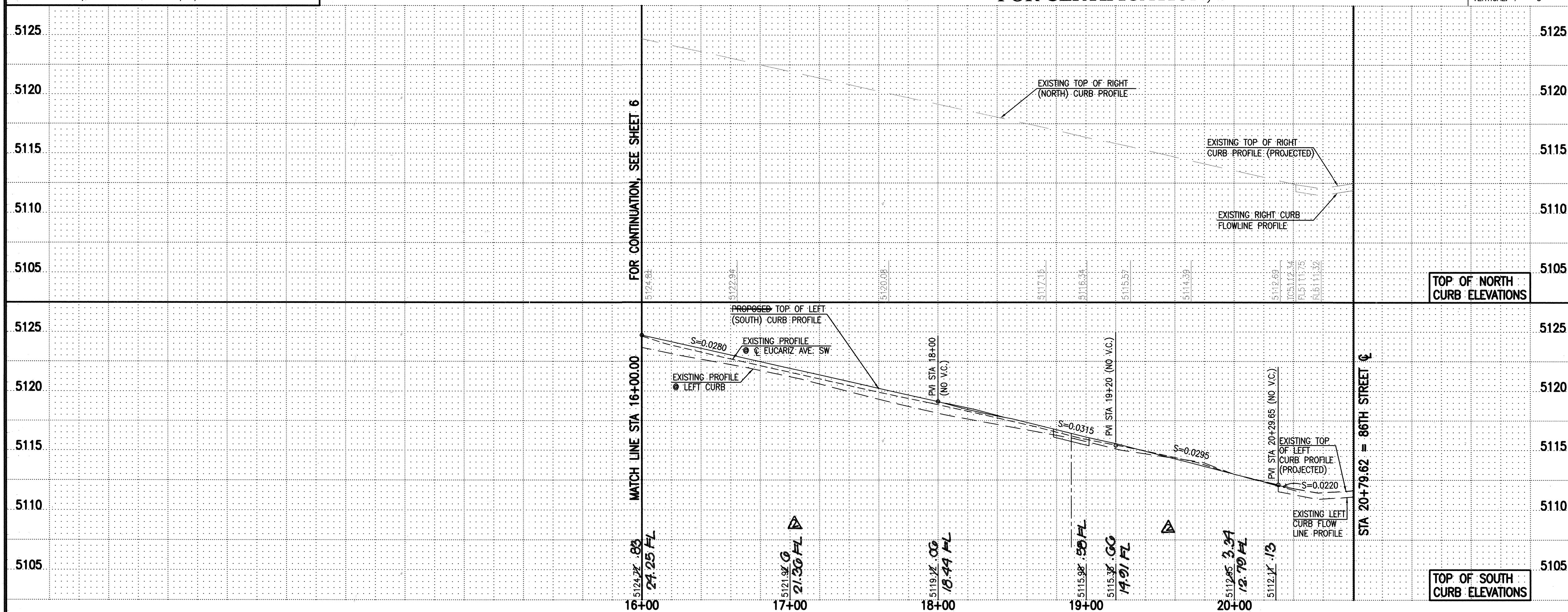
THIS IS NOT A BOUNDARY SURVEY; DATA IS SHOWN FOR ORIENTATION ONLY. THE BOUNDARY INFORMATION DEPICTED ON THIS PLAN IS BASED ON THE BOUNDARY SURVEY PREPARED BY HIGH MESA CONSULTING GROUP (FORMERLY JEFF MORTENSEN AND ASSOC. INC.), NMPS 11184, DATED 07/31/2006. TOPOGRAPHIC INFORMATION IS BASED UPON A TOPOGRAPHIC SURVEY PREPARED BY HIGH MESA CONSULTING GROUP (FORMERLY JEFF MORTENSEN AND ASSOC. INC.), NMPS 11184, DATED 7/31/2006.

EUCARIZ AVENUE S.W.

# RECORD DRAWING

FOR CERTIFICATION, SEE SHEET 1

SCALE:  
HORIZONTAL: 1" = 40'  
VERTICAL: 1" = 5'



ELEVATIONS ARE IN NGVD 1929

STREET PAVING IMPROVEMENTS:

- ALL SLOPES AS SHOWN ON PROFILES ARE BASED ON STREET CENTERLINE STATIONING EXCEPT CUL-DE-SACS AND EYEBROWS WHERE STATIONING IS ALONG FACE-OF-CURB.
- WHERE REMOVAL OF EXISTING CURB AND GUTTER, SIDEWALK OR PAVEMENT IS REQUIRED, THE CONTRACTOR SHALL SAWCUT AND/OR REMOVE TO THE NEAREST JOINT. CURB AND GUTTER AND SIDEWALK SHOWN AS EXISTING AND NOT TO BE REMOVED UNDER THIS CONTRACT WHICH IS DAMAGED OR DISPLACED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR PER C.O.A. STD. DWGS 2415A AND 2430, RESPECTIVELY, AT THE CONTRACTOR'S EXPENSE.
- ALL DIMENSIONS OF CURB AND CURB RETURNS ARE SHOWN TO FACE-OF-CURB.
- ALL WHEELCHAIR WORK MUST BE CONSTRUCTED UNDER THIS WORK ORDER. DETECTABLE WARNING SURFACES (TRUNCATED DOWNS) MUST BE DESIGNED PER ADA GUIDELINES. SUBMIT SURFACE SPECIFICATIONS TO THE CITY ENGINEER FOR EVALUATION PRIOR TO CONSTRUCTION.
- ALL CURB AND GUTTER SHOWN HEREON SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE STANDARD DRAWING 2415A UNLESS OTHERWISE NOTED.
- UPON COMPLETION OF CONSTRUCTION, THE CITY OF ALBUQUERQUE WILL PROVIDE AND INSTALL ALL STREET SIGNS.
- STRIPING BY CONTRACTOR WILL BE REQUIRED PRIOR TO FINAL ACCEPTANCE. SEE SHEET 18 FOR STRIPING PLAN.
- CONSTRUCTION BASELINE BASED UPON EXISTING RIGHT CURB PROFILE.

9. REVERSE STREET STRIPING & SIGNAGE PER SHEETS 10A & 10B BY CHANGE ORDER.

ENGINEER'S SEAL				SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
DESIGN		REVISIONS		FIELD NOTES		SET FLUSH		CONTRACTOR	
Designed By	J.D.S./J.G.M.	Date	07-2008	NO.	BY	DATE	ACS 3 1/4" ALUMINUM CAP STAMPED, "21"-13", SET FLUSH	WORK BY	HMCQ
Drawn By	J.Y.R./J.L.P./C.F.A	Date	07-2008	2005.186.4	HMCQ	07-31-06	ON THE TOP OF CONCRETE CURB IN THE WEST MEDIAN	STAMPED BY	HMCQ
Checked By	J.G.M.	Date	08-2008				NOSE AT THE INTERSECTION OF TOWER ROAD S.W. AND 86TH STREET S.W. STATION IS LOCATED 4.9 FEET NORTH OF CENTERLINE OF TOWER ROAD S.W. AND 40.7 FEET WEST OF 86TH STREET S.W.	ACCEPTANCE BY	K.T.E.
								VERIFICATION BY	HMCQ
								DRAWINGS COMPLETED BY	HMCQ
								DATE	5-09
								MICRO-FILM INFORMATION	
								RECORDED BY	
								NO.	



10+00	
11+00	
12+00	
13+00	
14+00	
15+00	

AS BUILT INFORMATION	
CONTRACTOR	<i>Alb. Asphalt</i>
WORK ORDER NO.	<i>HMC9</i>
INSPECTOR'S NAME	<i>R/E</i>
DATE	<i>05-09</i>
FIELD VERIFICATION BY	<i>HMC9</i>
DATE	<i>05-09</i>
CHECKED BY	<i>HMC9</i>
DATE	<i>05-09</i>
MICRO-FILM INFORMATION	
RECORDED BY	
NO.	

9. REVISE STREET STRIPING  
& SIGNAGE PER SHEETS  
18A & 18B BY CHANGE ORDER.

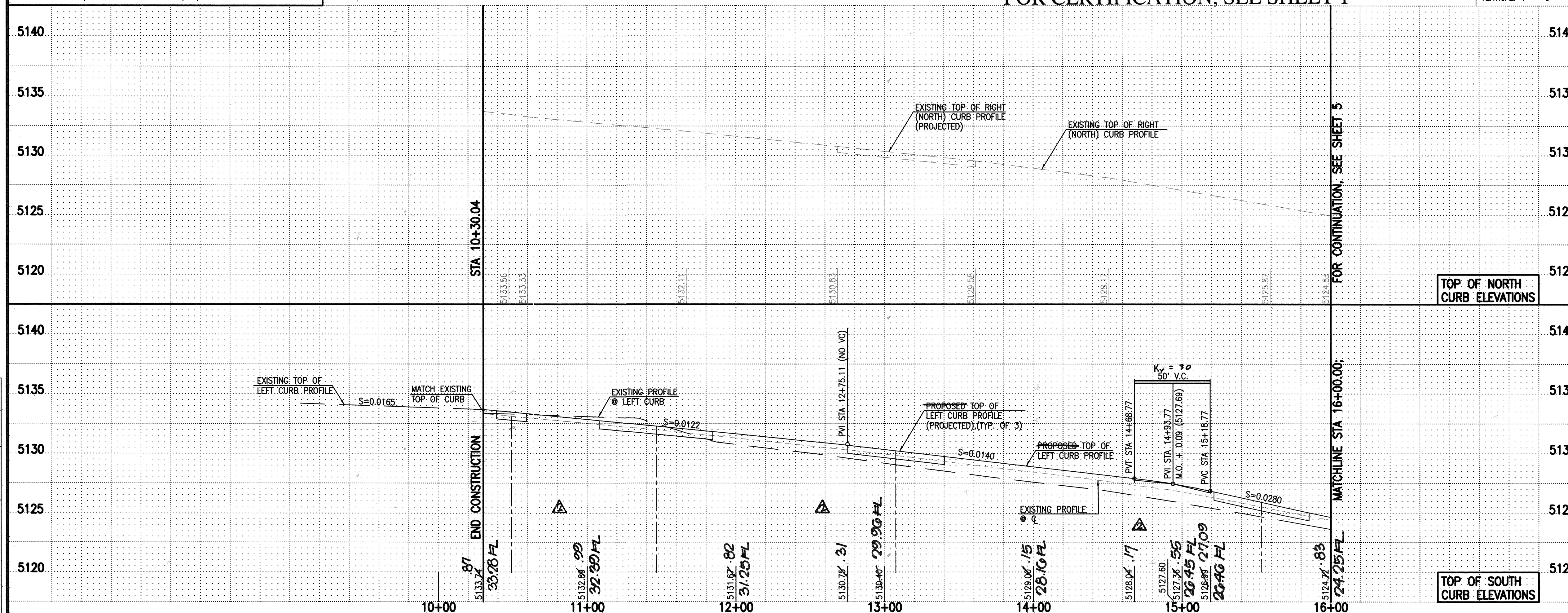
**NOTE:**

THIS IS NOT A BOUNDARY SURVEY; DATA IS SHOWN FOR ORIENTATION ONLY. THE BOUNDARY INFORMATION DEPICTED ON THIS PLAN IS BASED ON THE BOUNDARY SURVEY PREPARED BY HIGH MESA CONSULTING GROUP (FORMERLY JEFF MORTENSEN AND ASSOC. INC.), NMPS 11184, DATED 07/31/2006. TOPOGRAPHIC INFORMATION IS BASED UPON A TOPOGRAPHIC SURVEY PREPARED BY HIGH MESA CONSULTING GROUP (FORMERLY JEFF MORTENSEN AND ASSOC. INC.), NMPS 11184, DATED 7/31/2006.

# RECORD DRAWING

FOR CERTIFICATION, SEE SHEET 1

SCALE:  
HORIZONTAL: 1" = 40'  
VERTICAL: 1" = 5'



6010-B MIDWAY PARK BLVD. NE • ALBUQUERQUE, NEW MEXICO 87109  
PHONE: 505.345.4250 • FAX: 505.345.4254 • [www.highmesacg.com](http://www.highmesacg.com)

2006.180.7

CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DEVELOPMENT GROUP

TITLE: EUCARIZ AVENUE SOUTHWEST PAVING IMPROVEMENTS  
PLAN AND PROFILE STA 10+30.04 TO STA 16+00.00  
SOUTHWEST ELEMENTARY SCHOOL PUBLIC INFRASTRUCTURE

	Mo./Day/Yr.	Mo./Day/Yr.

ELEVATIONS ARE IN NGVD 1929

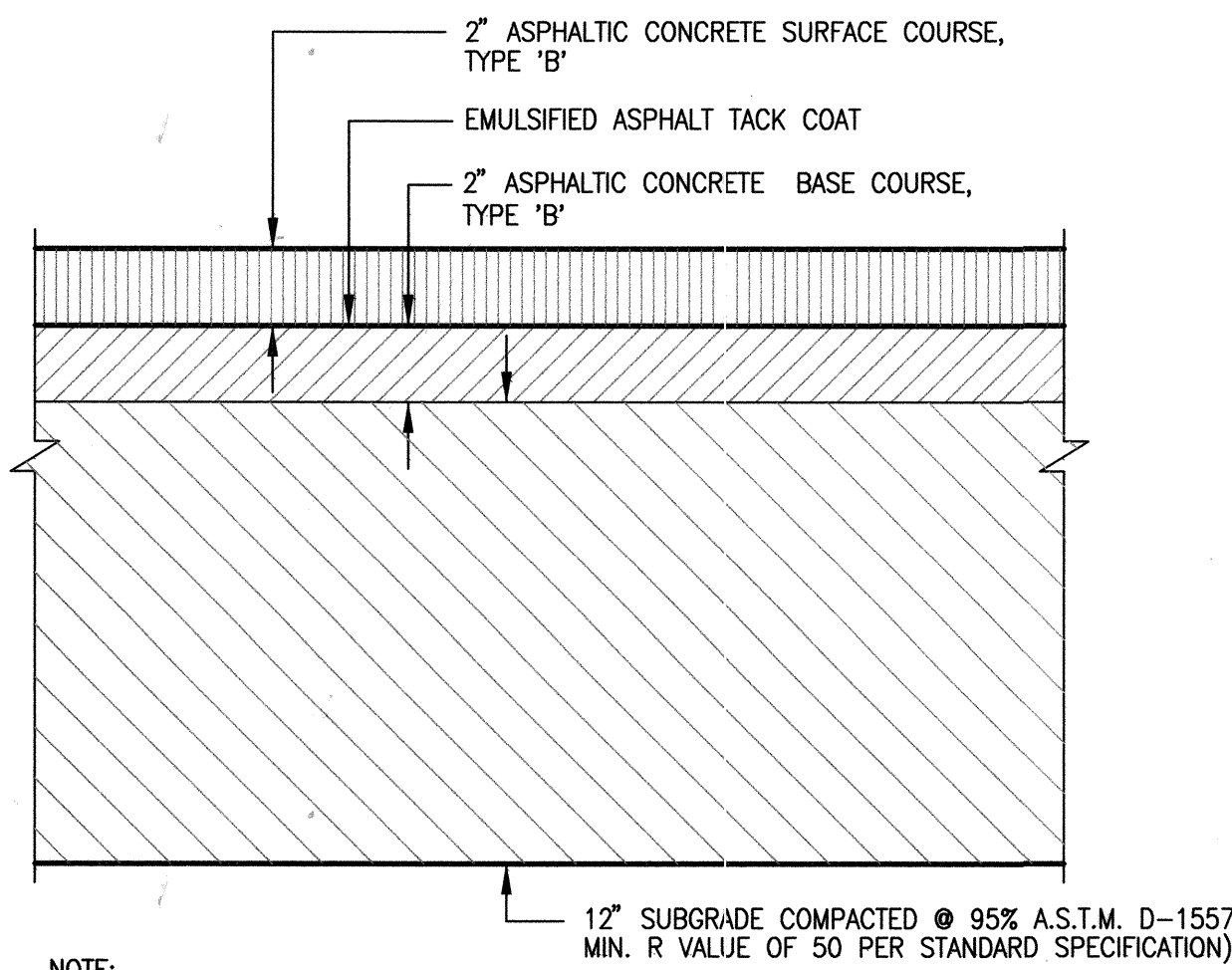
70918.3

One Map No.  
1-9

6 of 19

File Path:	<del>61807PA6.DWG</del>	Plot Date:	09-09-2008
File Name:	61807PA6.DWG	Plot Time:	12:44 pm





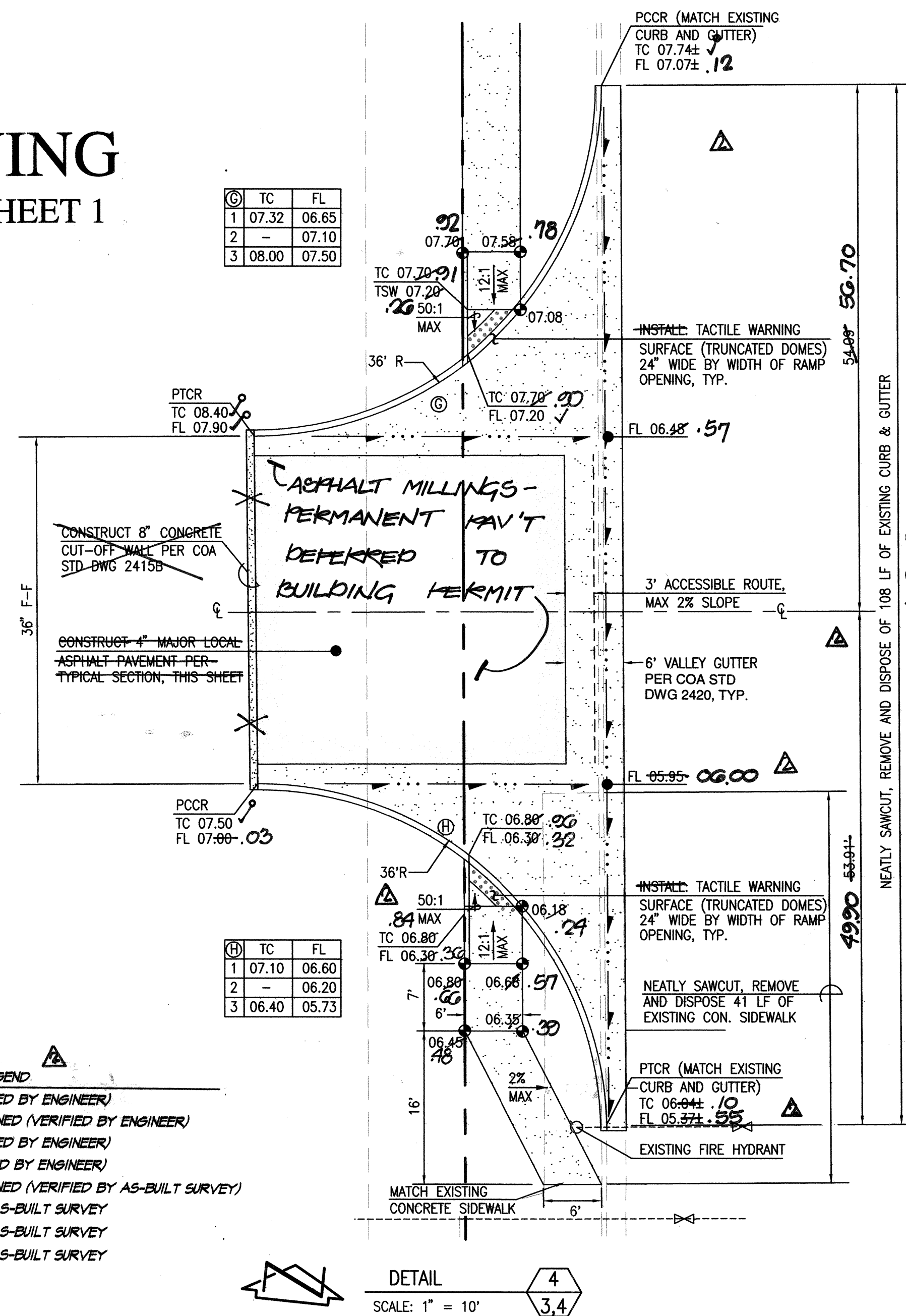
NOTE:  
\* SUBGRADE MATERIAL NOT HAVING A MIN. R-VALUE OF 50 SHALL BE REMOVED TO A DEPTH OF 2 FT. AND REPLACED WITH SUITABLE MATERIAL ( $R_v \geq 50$ )

TYPICAL MAJOR LOCAL PAVEMENT SECTION

SCALE: 1" = 5'

**\*\* 2" ASPHALTIC CONCRETE SURFACE COURSE, TYPE 'B' DELETED FROM WORK ORDER @ PRIVATE ENTRANCE AND DEFERRED TO BUILDING PERMIT.**

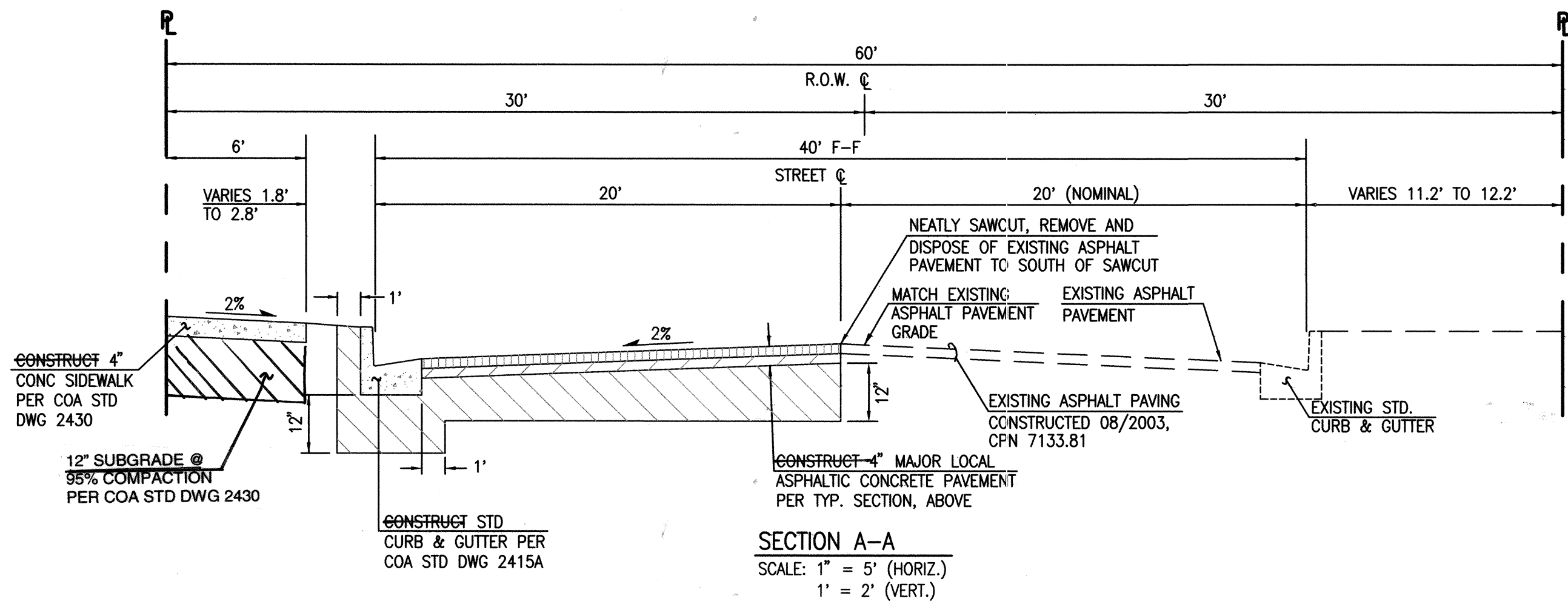
# RECORD DRAWING FOR CERTIFICATION, SEE SHEET 1



**RECORD DRAWING LEGEND**

CONSTRUCT RECORD INFORMATION (VERIFIED BY ENGINEER)  
 ✓ AS-CONSTRUCTED = AS-DESIGNED (VERIFIED BY ENGINEER)  
 8' (1.9) RECORD INFORMATION (VERIFIED BY ENGINEER)  
 31.28 (22) RECORD INFORMATION (VERIFIED BY ENGINEER)  
 ✓ AS-CONSTRUCTED = AS-DESIGNED (VERIFIED BY AS-BUILT SURVEY)  
 31.16 RECORD INFORMATION FROM AS-BUILT SURVEY  
 +26.9 RECORD INFORMATION FROM AS-BUILT SURVEY  
 31.22 RECORD INFORMATION FROM AS-BUILT SURVEY

DETAIL 4  
SCALE: 1" = 10'



SECTION A-A  
SCALE: 1" = 5' (HORIZ.)  
1" = 2' (VERT.)

STATION	TC	FL
1	32.81	32.14
2	-	32.22
3	32.95	32.45

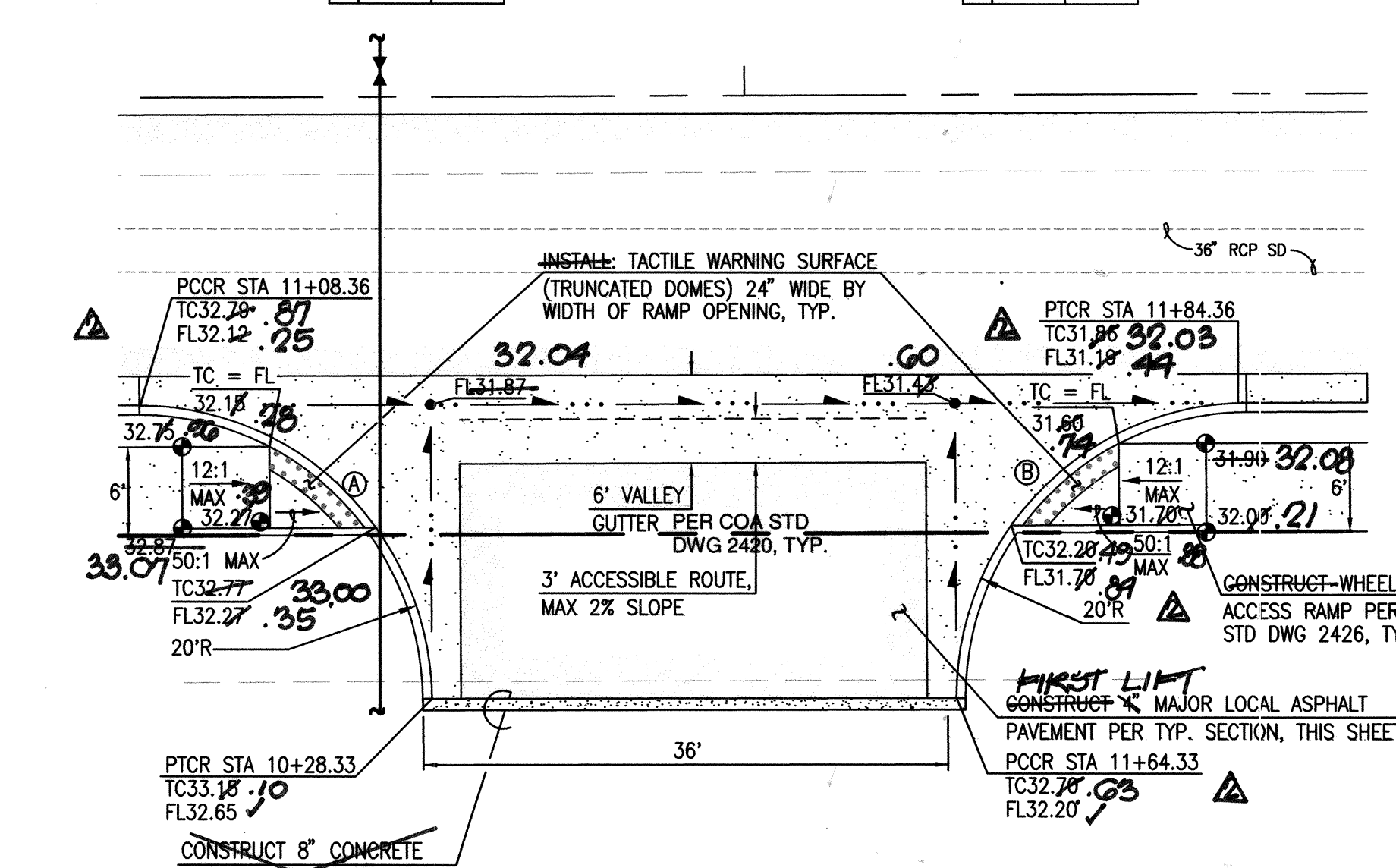
STATION	TC	FL
1	32.40	31.90
2	-	31.65
3	32.07	31.40

STATION	TC	FL
1	30.78	31.11
2	-	30.20
3	30.92	30.42

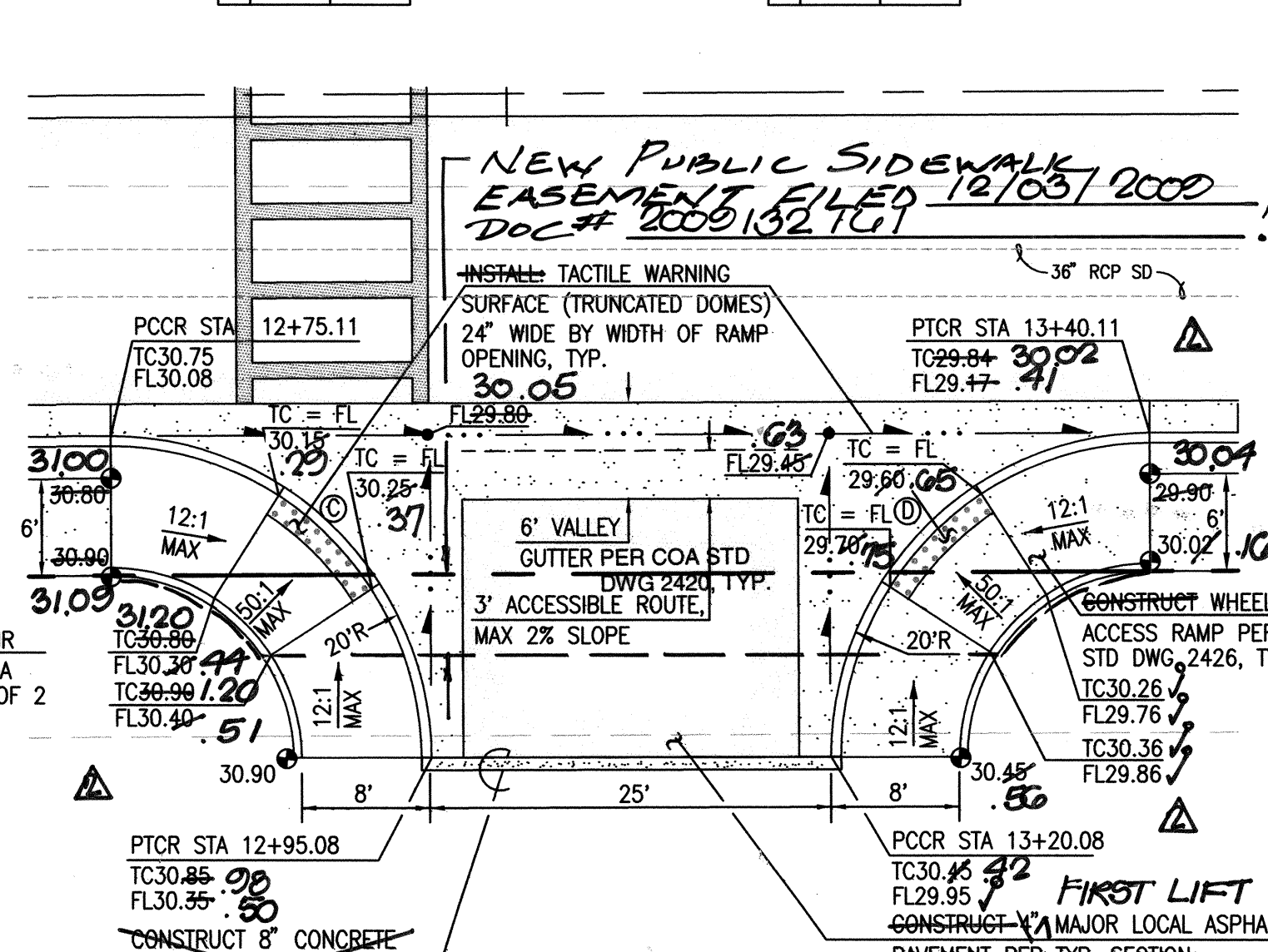
STATION	TC	FL
1	30.30	29.80
2	-	29.65
3	29.97	29.30

STATION	TC	FL
1	26.77	26.10
2	-	26.00
3	26.70	26.20

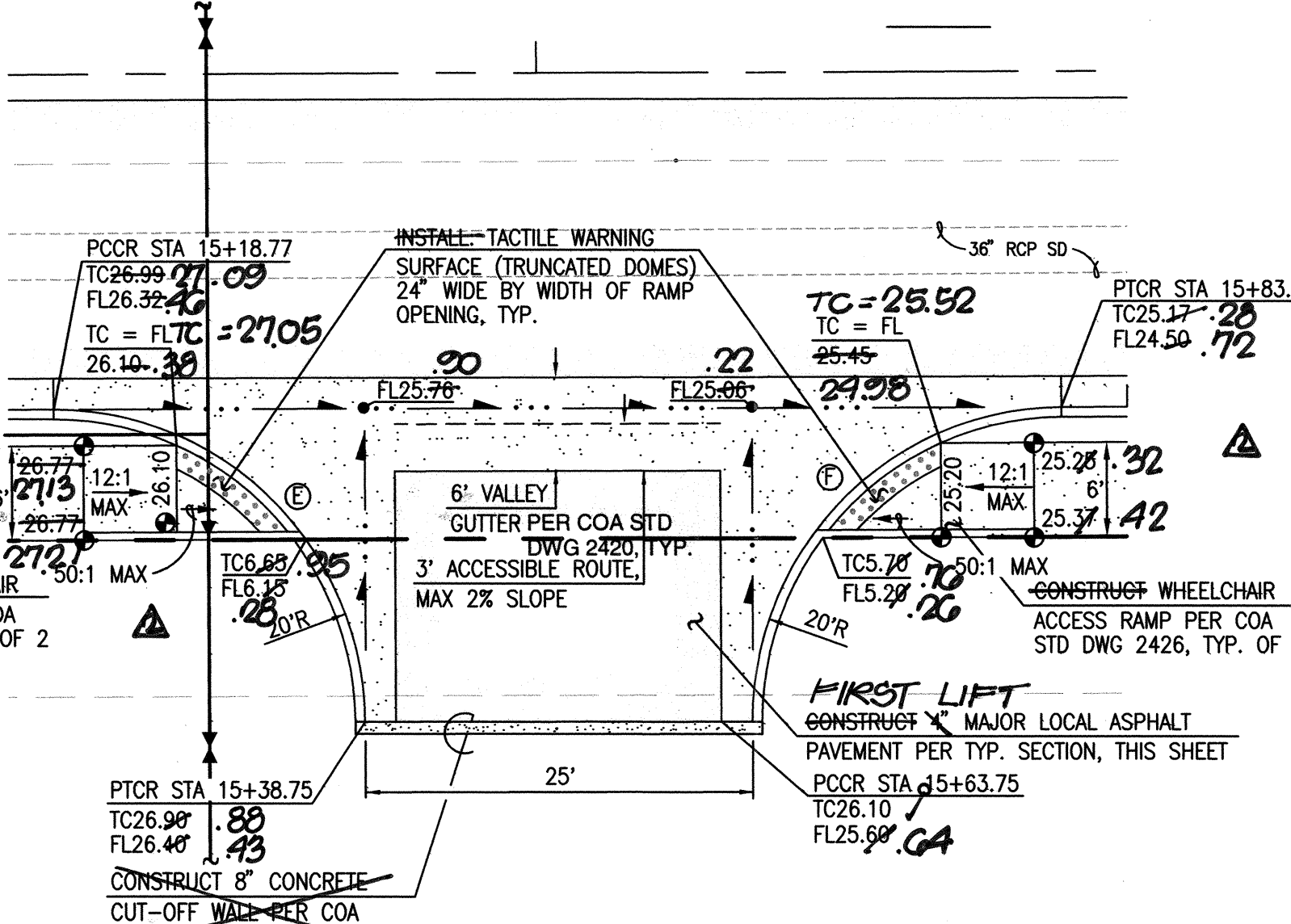
STATION	TC	FL
1	25.80	25.30
2	-	25.15
3	25.10	25.05



DETAIL 1  
SCALE: 1" = 10' 3.4,6,7,18



DETAIL 2  
SCALE: 1" = 10' 3.4,6,7,18



DETAIL 3  
SCALE: 1" = 10' 3.4,6,7,18

**STREET PAVING IMPROVEMENTS:**

- ALL SLOPES AS SHOWN ON PROFILES ARE BASED ON STREET CENTERLINE STATIONING EXCEPT CUL-DE-SACS AND EYEBROWS WHERE STATIONING IS ALONG FACE-OF-CURB.
- WHERE REMOVAL OF EXISTING CURB AND GUTTER, SIDEWALK OR PAVEMENT IS REQUIRED, THE CONTRACTOR SHALL SAWCUT AND/OR REMOVE TO THE NEAREST JOINT. CURB AND GUTTER AND SIDEWALK SHOWN AS EXISTING AND NOT TO BE REMOVED UNDER THIS CONTRACT WHICH IS DAMAGED OR DISPLACED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR PER C.O.A. STD. DWGS 2415A AND 2430, RESPECTIVELY, AT THE CONTRACTOR'S EXPENSE.
- ALL DIMENSIONS OF CURB AND CURB RETURNS ARE SHOWN TO FACE-OF-CURB.
- ALL WHEELCHAIR WORK MUST BE CONSTRUCTED UNDER THIS WORK ORDER. DETECTABLE WARNING SURFACES (TRUNCATED DOMES) MUST BE DESIGNED PER ADA GUIDELINES. SUBMIT SURFACE SPECIFICATIONS TO THE CITY ENGINEER FOR EVALUATION PRIOR TO CONSTRUCTION.
- ALL CURB AND GUTTER SHOWN HEREON SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE STANDARD DRAWING 2415A UNLESS OTHERWISE NOTED.
- UPON COMPLETION OF CONSTRUCTION, THE CITY OF ALBUQUERQUE WILL PROVIDE AND INSTALL ALL STREET SIGNS.
- STRIPING BY CONTRACTOR WILL BE REQUIRED PRIOR TO FINAL ACCEPTANCE, SEE STRIPING PLAN, SHEET 18.

**CONTRACTOR INFORMATION**

CONTRACTOR: **ALB. ASPHALT**  
 WORK BY: **HMCG**  
 INSPECTED BY: **RJE**  
 DATE: **09-08**  
 DATE: **05-08**  
 DATE: **05-08**  
 DATE: **05-08**

**BENCH MARKS**

ACS 3 1/4" ALUMINUM CAP STAMPED, "21-13", SET FLUSH ON THE TOP OF CONCRETE CURB IN THE WEST MEDIAN NOSE AT THE INTERSECTION OF TOWER ROAD S.W. AND 86TH STREET S.W. STATION IS LOCATED 4.9 FEET NORTH OF CENTERLINE OF TOWER ROAD S.W. AND 40.7 FEET WEST OF 86TH STREET S.W.  
 ELEVATION = 5103.681 FEET (NGVD 1929)

**ENGINEER'S SEAL**

05-22-2009  
 12-03-2009  
 09-10-2009

**CURVE TABLE**

CURVE	RADIUS	ARC	DELTA	CHORD LENGTH	CHORD BEARING
(A)	20.00'	31.39'	89°55'56"	28.27'	S 51°14'58" E
(B)	20.00'	31.44'	90°04'04"	28.30'	N 38°45'02" E
(C)	20.00'	31.39'	89°55'56"	28.27'	S 51°14'58" E
(D)	20.00'	31.44'	90°04'04"	28.30'	N 38°45'02" E
(E)	20.00'	31.39'	89°55'56"	28.27'	S 51°14'58" E
(F)	20.00'	31.44'	90°04'04"	28.30'	N 38°45'02" E
(G)	36.00'	56.64'	90°08'38"	50.98'	S 38°48'27" W
(H)	36.00'	56.46'	89°51'22"	50.85'	S 51°13'33" E

**REVISIONS**

NO.	DATE	REVISIONS
1	09-08-2008	DESIGN
2	08-20-2008	DESIGN
3	08-20-2008	DESIGN

**DESIGN REVIEW COMMITTEE**

APPROVE  
 DEC 2 2 2008  
 DESIGN REVIEW COMMITTEE

**CITY ENGINEER APPROVAL**

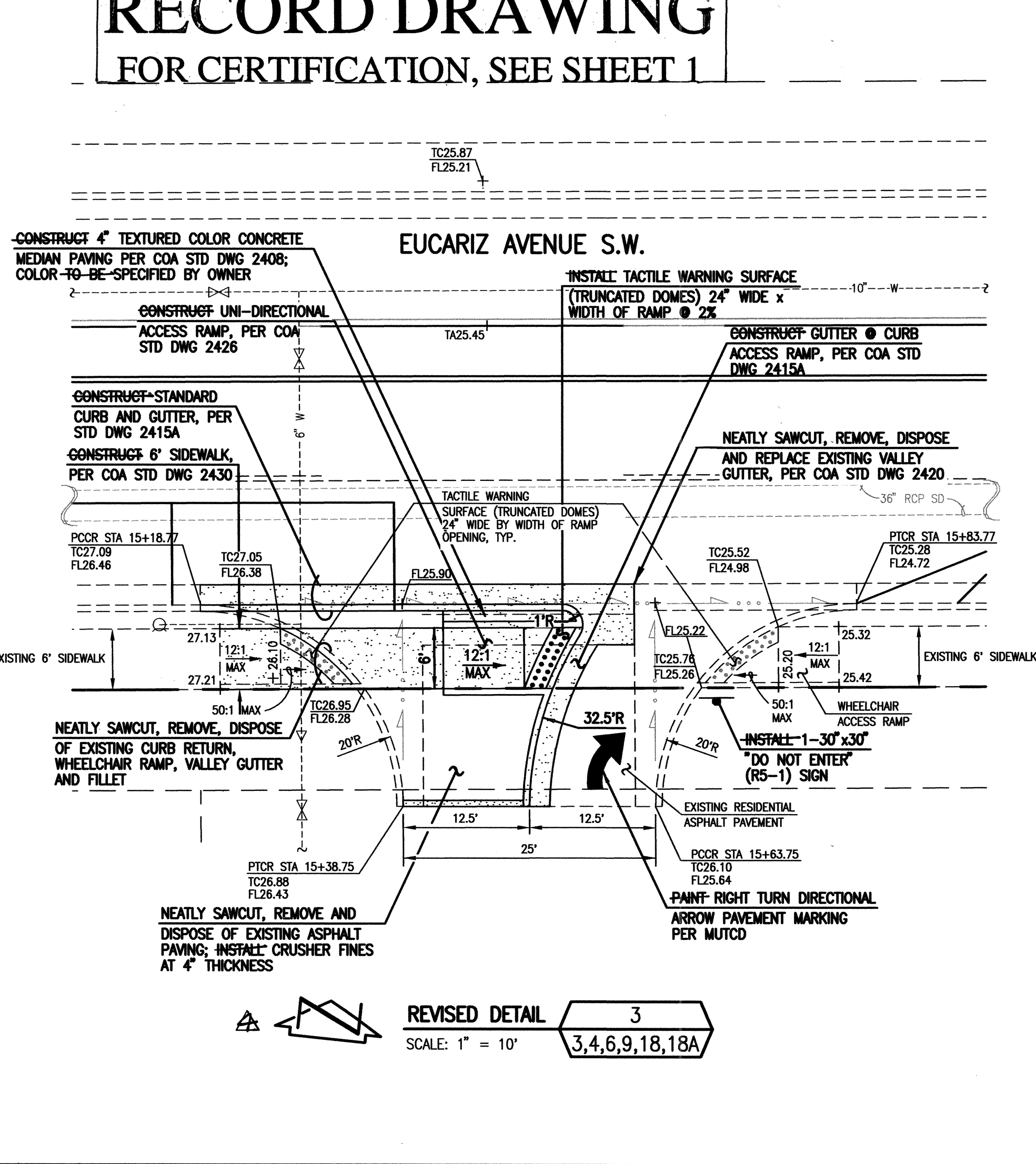
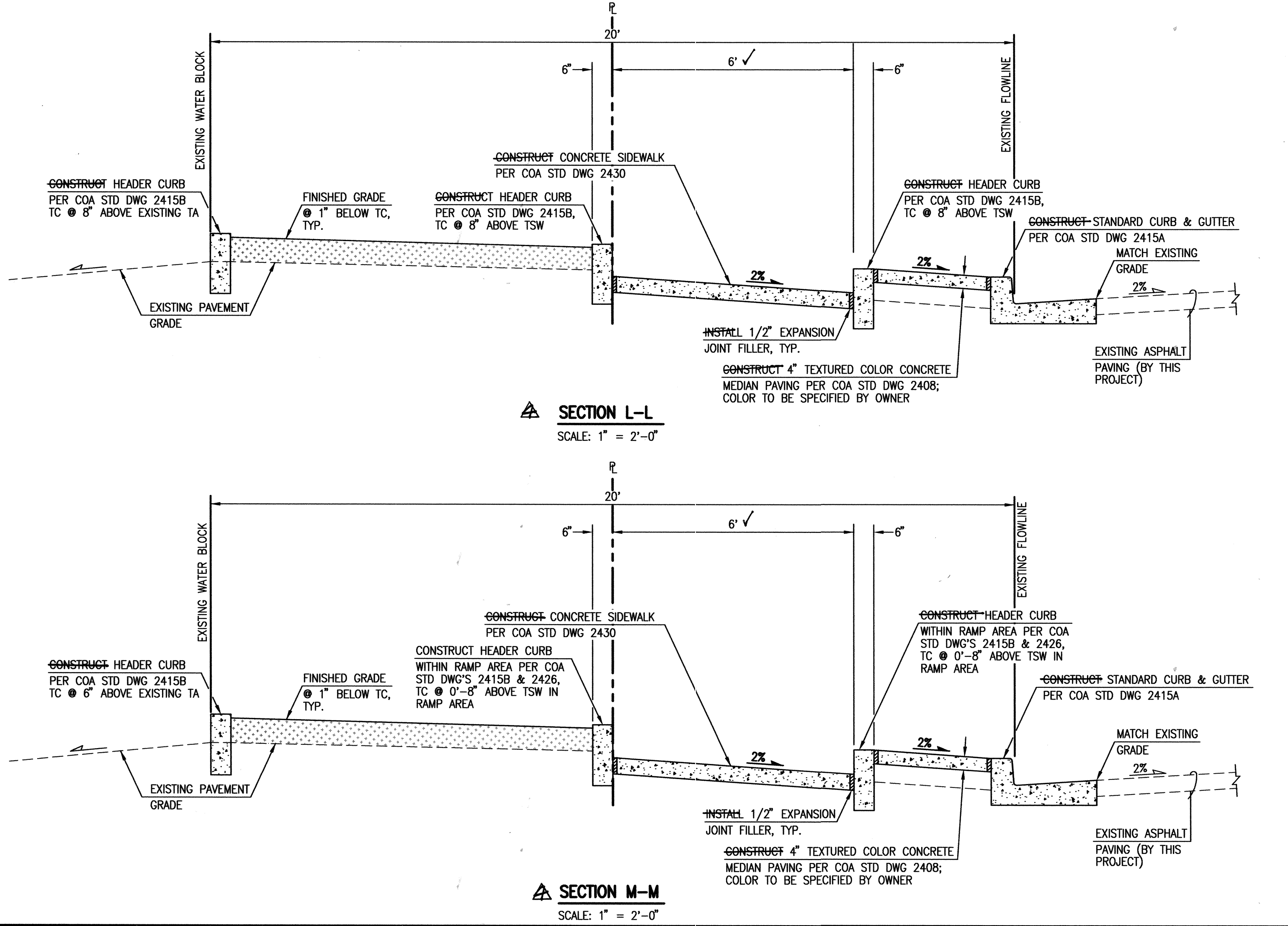
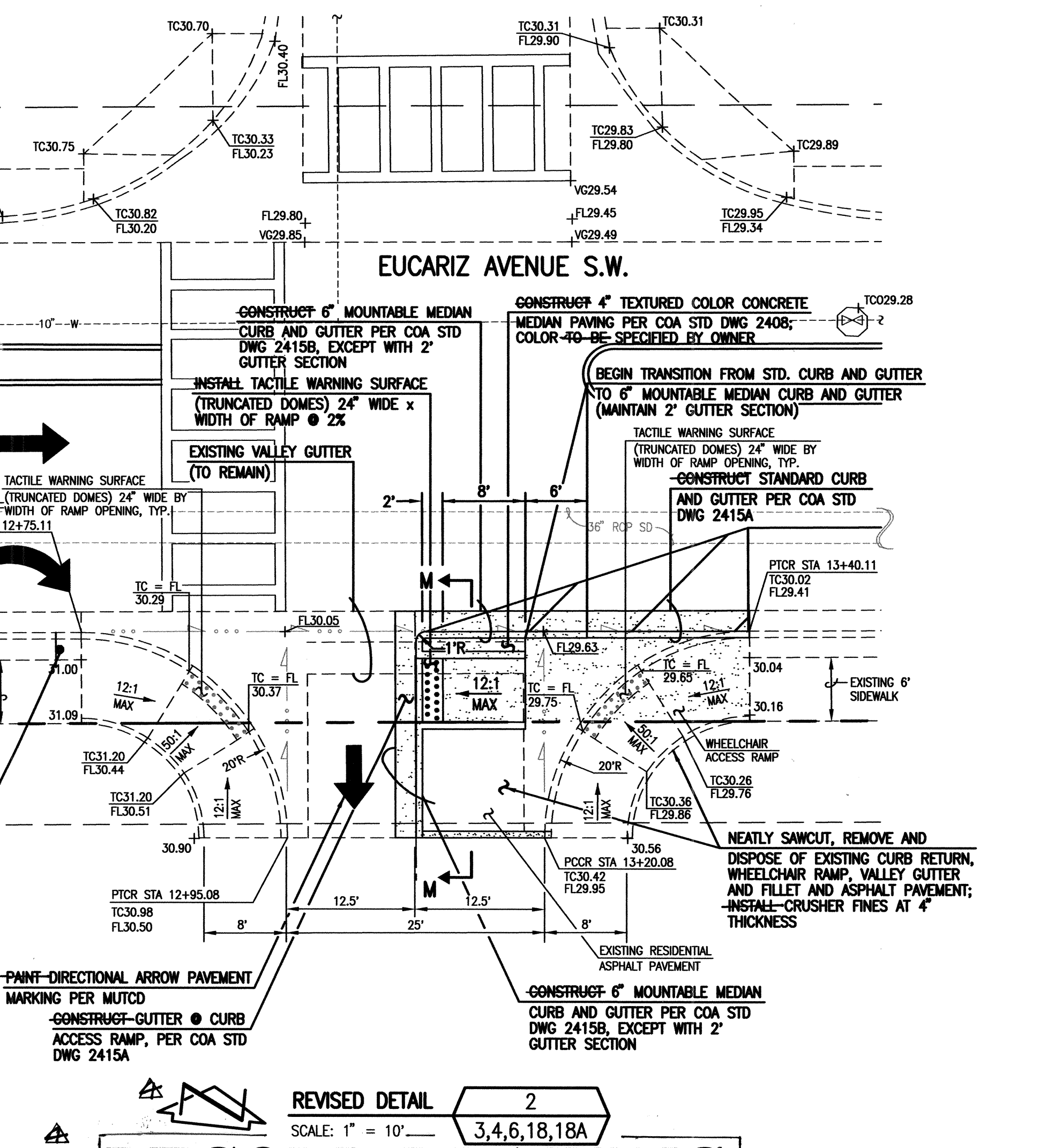
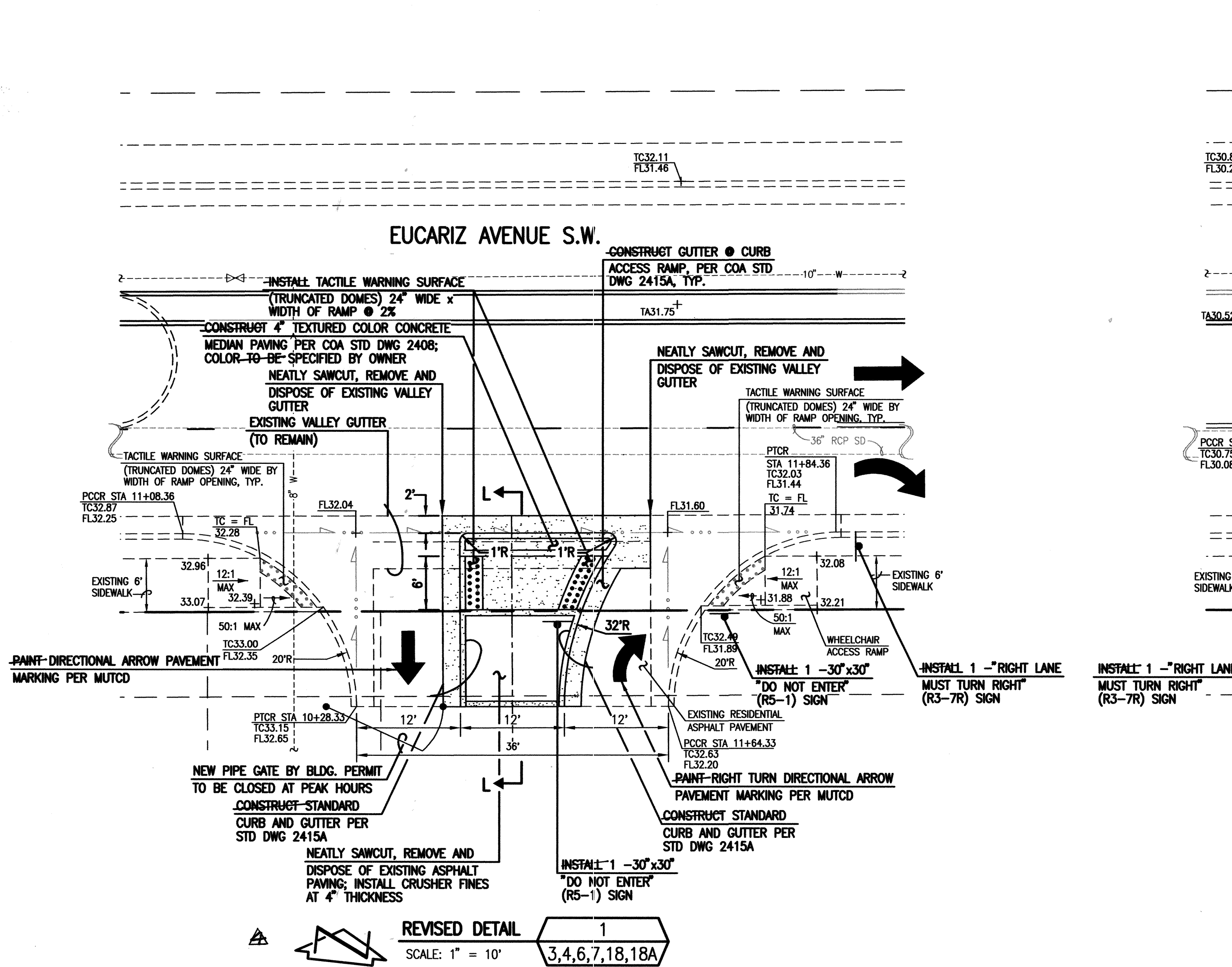
APPROVE  
 FEB 0 6 2009  
 CITY ENGINEER

**CITY OF ALBUQUERQUE**  
 PUBLIC WORKS DEPARTMENT  
 ENGINEERING DEVELOPMENT GROUP

**TITLE:**  
 PAVING SECTIONS AND DETAILS  
 SOUTHWEST ELEMENTARY SCHOOL  
 PUBLIC INFRASTRUCTURE

City Project No. **709183**  
 Zone Map No. **L-9**  
 Sheet **7** Of **19**





- STREET PAVING IMPROVEMENTS:**
- ALL SLOPES AS SHOWN ON PROFILES ARE BASED ON STREET CENTERLINE STATIONING EXCEPT CUL-DE-SACS AND EYEBROWS WHERE STATIONING IS ALONG FACE-OF-CURB.
  - WHERE REMOVAL OF EXISTING CURB AND GUTTER, SIDEWALK OR PAVEMENT IS REQUIRED, THE CONTRACTOR SHALL SAWCUT AND/OR REMOVE TO THE NEAREST JOINT. CURB AND GUTTER AND SIDEWALK SHOWN AS EXISTING AND NOT TO BE REMOVED UNDER THIS CONTRACT WHICH IS DAMAGED OR DISPLACED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR PER C.O.A. STD. DWGS 2415A AND 2430, RESPECTIVELY, AT THE CONTRACTOR'S EXPENSE.
  - ALL DIMENSIONS OF CURB AND CURB RETURNS ARE SHOWN TO FACE-OF-CURB.
  - ALL WHEELCHAIR WORK MUST BE CONSTRUCTED UNDER THIS WORK ORDER. DETECTABLE WARNING SURFACES (TRUNCATED DOMES) MUST BE DESIGNED PER ADA GUIDELINES. SUBMIT SURFACE SPECIFICATIONS TO THE CITY ENGINEER FOR EVALUATION PRIOR TO CONSTRUCTION.
  - ALL CURB AND GUTTER SHOWN HEREON SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE STANDARD DRAWING 2415A UNLESS OTHERWISE NOTED.
  - UPON COMPLETION OF CONSTRUCTION, THE CITY OF ALBUQUERQUE WILL PROVIDE AND INSTALL ALL STREET SIGNS.
  - STRIPING BY CONTRACTOR WILL BE REQUIRED PRIOR TO FINAL ACCEPTANCE, SEE STRIPING PLAN, SHEET 18A.

**DESIGN SURVEY NOTE:**

THIS IS NOT A BOUNDARY SURVEY; DATA IS SHOWN FOR ORIENTATION ONLY. THE BOUNDARY INFORMATION DEPICTED ON THIS PLAN IS BASED ON THE BOUNDARY SURVEY PREPARED BY HIGH MESA CONSULTING GROUP (FORMERLY JEFF MORTENSEN AND ASSOC. INC.), NMPS 11184, DATED 07/31/2006. TOPOGRAPHIC INFORMATION IS BASED UPON A TOPOGRAPHIC SURVEY PREPARED BY HIGH MESA CONSULTING GROUP (FORMERLY JEFF MORTENSEN AND ASSOC. INC.), NMPS 11184, DATED 7/31/2006 (JOB NO. 2005.186.4), AND A RECORD DRAWING PREPARED BY THIS FIRM DATED 05/22/2009 (JOB NO. 2006.180.7).

BENCH MARKS		SURVEY INFORMATION	
NO.	DATE	BY	FIELD NOTES
2005.186.4	07-31-06	HMC	

AFD PLANS CHECKING  
824-3614  
APPROVED  
12-8-09

CURVE TABLE				
CURVE	RADIUS	ARC	DELTA	CHORD BEARING
(A)	20.00'	31.39'	89°55'56"	28.27' S 51°14'58" E
(B)	20.00'	31.44'	90°04'04"	28.30' N 38°45'02" E
(C)	20.00'	31.39'	89°55'56"	28.27' S 51°14'58" E
(D)	20.00'	31.44'	90°04'04"	28.30' N 38°45'02" E
(E)	20.00'	31.39'	89°55'56"	28.27' S 51°14'58" E
(F)	20.00'	31.44'	90°04'04"	28.30' N 38°45'02" E
(G)	36.00'	56.64'	90°08'38"	50.98' S 38°46'27" W
(H)	36.00'	56.48'	89°51'22"	50.85' S 51°13'33" E

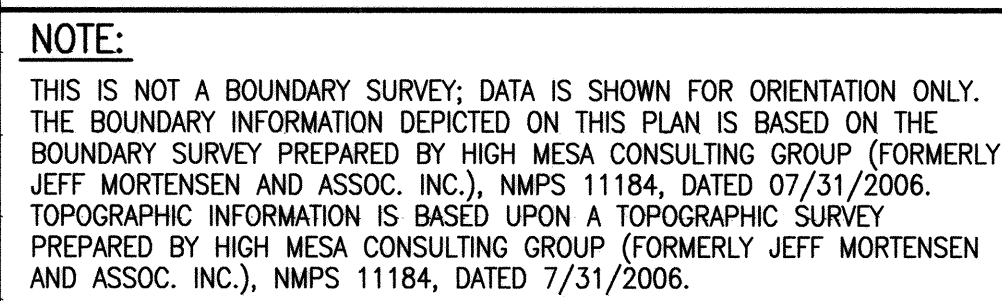
**HIGH MESA Consulting Group**  
FORMERLY JEFF MORTENSEN AND ASSOCIATES, INC.  
6010-B MIDWAY PARK BLVD. NE • ALBUQUERQUE, NEW MEXICO 87109  
PHONE: 505.345.4250 • FAX: 505.345.4254 • www.hghmesacg.com  
2006.180.7

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP	
TITLE: PRIVATE ENTRANCE REVISIONS BY CHANGE ORDER SOUTHWEST ELEMENTARY SCHOOL PUBLIC INFRASTRUCTURE	
Design Review Committee APPROVED DEC 8 2009 DESIGN REVIEW COMMITTEE	City Engineer Approval APPROVED DEC 8 2009 CITY ENGINEER
City Project No. 709183	Zone Map No. L-9
Sheet 7A	Of 19

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

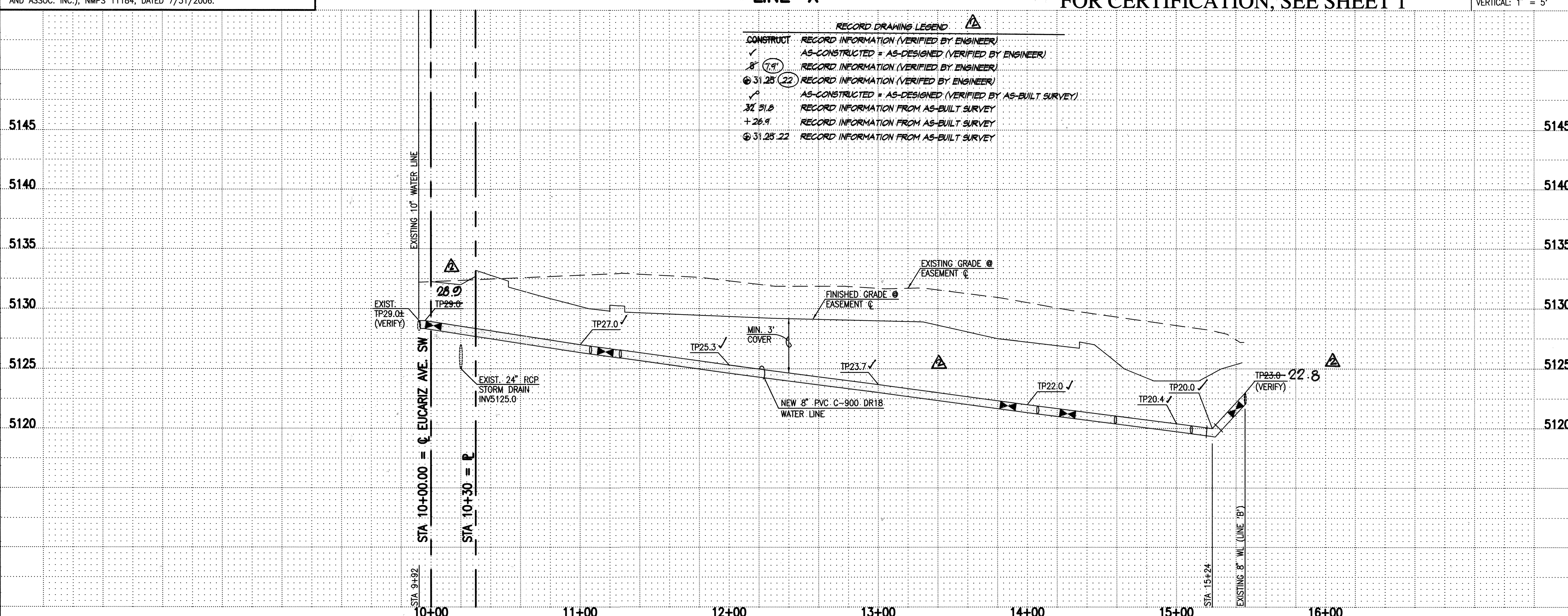


10+00
11+00
12+00
13+00
14+00
15+00



SCALE:  
HORIZONTAL: 1" = 40'  
VERTICAL: 1" = 5'

RECORD DRAWING LEGEND	
CONSTRUCT	RECORD INFORMATION (VERIFIED BY ENGINEER)
✓	AS-CONSTRUCTED = AS-DESIGNED (VERIFIED BY ENGINEER)
8' 19'	RECORD INFORMATION (VERIFIED BY ENGINEER)
31.28 (22)	RECORD INFORMATION (VERIFIED BY ENGINEER)
AS-CONSTRUCTED	AS-DESIGNED (VERIFIED BY AS-BUILT SURVEY)
31.6	RECORD INFORMATION FROM AS-BUILT SURVEY
+26.9	RECORD INFORMATION FROM AS-BUILT SURVEY
31.28.22	RECORD INFORMATION FROM AS-BUILT SURVEY



## WATER LINE CONSTRUCTION NOTES:

1. ALL STATIONING IS BASED ON EASEMENT CENTERLINE UNLESS INDICATED OTHERWISE.
2. FOR ALL LINES 12" AND SMALLER, WATER MAIN SHALL BE PVC C900 DR18 PIPE OR AS APPROVED BY THE WATER AUTHORITY. DUCTILE IRON IS AN ACCEPTABLE PIPE MATERIAL IN LIEU OF PVC.
3. FOR ALL LINES 14" AND LARGER, WATER MAIN SHALL BE DUCTILE IRON OR PVC C-905 OR AS APPROVED BY THE WATER AUTHORITY. CONCRETE CYLINDER IS AN ACCEPTABLE PIPE MATERIAL IN LIEU OF DUCTILE IRON.
4. WATER LINE SHALL HAVE A MINIMUM COVER OF 3'-0" (FINISHED GRADE TO TOP OF PIPE) FOR ALL LINES 12" OR SMALLER; 4'-0" MINIMUM COVER FOR LINES 14" OR LARGER. EXTRA DEPTH TRENCHING, IF REQUIRED, SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.
5. ELECTRONIC MARKER DISCS (EMD) SHALL BE INSTALLED IN ACCORDANCE WITH THE STANDARD SPECIFICATION, SECTION 170.
6. IN ACCORDANCE WITH SECTION 801 OF THE "STANDARD SPECIFICATIONS", METEIZED DETECTABLE WARNING TAPE SHALL BE INSTALLED 18" ABOVE ALL PVC PIPE INSTALLED ON THIS PROJECT.
7. VALVE STEM AND FIRE HYDRANT EXTENSIONS SHALL BE PROVIDED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS. THE COST OF EACH EXTENSION SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION THEREFORE NO SEPARATE PAYMENT WILL BE MADE.
8. JOINT RESTRAINT SHALL BE CONSIDERED INCIDENTAL TO WATER LINE CONSTRUCTION THEREFORE NO SEPARATE PAYMENT WILL BE MADE.
9. JOINT RESTRAINT SHALL BE PROVIDED ON ALL JOINTS OF FIRE HYDRANT LEGS FROM TEE TO FIRE HYDRANT INCLUDING THE TEE AND FIRE HYDRANT.
10. FOR THE PURPOSES OF THIS PROJECT, ALL RESTRAINED JOINTS AND JOINT RESTRAINT SHALL BE MECHANICALLY RESTRAINED. JOINT RESTRAINT LENGTHS SPECIFIED HEREON ARE THE LENGTHS TO BE RESTRAINED EACH SIDE OF THE FITTING.
11. 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.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING, SUPPORTING AND REPLACING ALL EXISTING AND OTHER UTILITIES ENCOUNTERED DURING CONSTRUCTION. THIS SHALL BE CONSIDERED INCIDENTAL TO TRENCHING, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.
13. WHERE WATER AND SANITARY SEWER LINES CROSS, THE SANITARY SEWER LINE SHALL BE INSTALLED AS PRESSURE PIPE BETWEEN MANHOLES IF 18 INCHES OF VERTICAL SEPARATION DOES NOT EXIST.
14. ALL FIRE HYDRANTS SHALL BE SECURELY WRAPPED IN BLACK PLASTIC UNTIL SUCH TIME AS THE NEW WATER LINE IS PUT INTO SERVICE BY THE WATER AUTHORITY PERSONNEL.

[illegible]

**HIGH MESA Consulting Group**  
FORMERLY JEFF MORTENSEN AND ASSOCIATES, INC.  
6010-B MIDWAY PARK BLVD. NE • ALBUQUERQUE, NEW MEXICO 87109  
PHONE: 505 345 4250 • FAX: 505 345 4254 • [www.hinmesa.com](http://www.hinmesa.com)

2006.180.7

CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DEVELOPMENT GROUP

TITLE: LINE 'X' WATER LINE EXTENSION  
PLAN AND PROFILE  
SOUTHWEST ELEMENTARY SCHOOL PUBLIC INFRASTRUCTURE

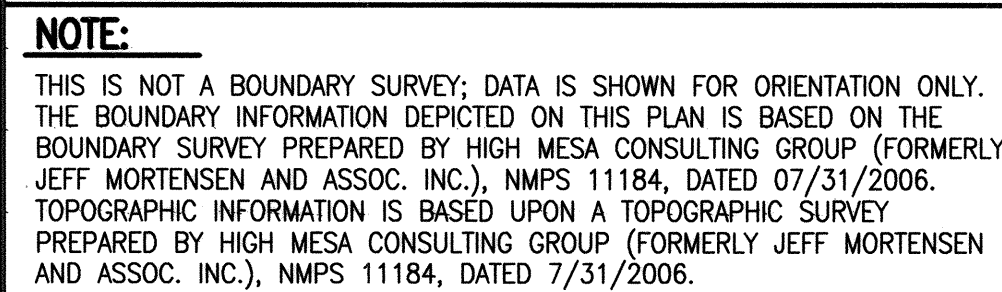
Design Review Committee <b>APPROVE</b> DEC 22 2008 DESIGN REVIEW COMMITTEE	City Engineer Approval <b>APPROVE</b> FEB 06 2009 CITY ENGINEER	Last Design Update
---	--	--------------------

City Project No.	709183	Zone Map No.	1-9	Sheet	8	Of	19
------------------	--------	--------------	-----	-------	---	----	----

File Path:	Plot Date:
File Name: 61807PP8.DWG	Plot Time: 12:51 pm



File Path:	<del>\\p01000001\public\PROJECTS</del>	Plot Date:	09-09-2008
File Name:	61807PP9.DWG	Plot Time:	12:52 pm



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

SCALE:  
HORIZONTAL: 1" = 40'  
VERTICAL: 1" = 5'



1. ALL STATIONING IS BASED ON EASEMENT CENTERLINE UNLESS INDICATED OTHERWISE.
2. FOR ALL LINES 12" AND SMALLER, WATER MAIN SHALL BE PVC C-900 DR18 PIPE OR AS APPROVED BY WATER AUTHORITY. DUCTILE IRON IS AN ACCEPTABLE PIPE MATERIAL IN LIEU OF PVC.
3. FOR ALL LINES 14" AND LARGER, WATER MAIN SHALL BE DUCTILE IRON OR PVC C-905 OR AS APPROVED BY THE WATER AUTHORITY. CONCRETE CYLINDER IS AN ACCEPTABLE PIPE MATERIAL IN LIEU OF DUCTILE IRON.
4. WATER LINE SHALL HAVE A MINIMUM COVER OF 3'-0" (FINISHED GRADE TO TOP OF PIPE) FOR ALL LINES 12" OR SMALLER; 4'-0" MINIMUM COVER FOR LINES 14" OR LARGER. EXTRA DEPTH TRENCHING, IF REQUIRED, SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.
5. ELECTRONIC MARKER DISCS (EMD) SHALL BE INSTALLED IN ACCORDANCE WITH THE STANDARD SPECIFICATION, SECTION 170.
6. IN ACCORDANCE WITH SECTION 801 OF THE "STANDARD SPECIFICATIONS", METALIZED DETECTABLE WARNING TAPE SHALL BE INSTALLED 18" ABOVE ALL PVC PIPE INSTALLED ON THE PROJECT.
7. VALVE STEM AND FIRE HYDRANT EXTENSIONS SHALL BE PROVIDED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS. THE COST OF EACH EXTENSION SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION THEREFORE NO SEPARATE PAYMENT WILL BE MADE.
8. JOINT RESTRAINT SHALL BE CONSIDERED INCIDENTAL TO WATER LINE CONSTRUCTION THEREFORE NO SEPARATE PAYMENT WILL BE MADE.
9. JOINT RESTRAINT SHALL BE PROVIDED ON ALL JOINTS OF FIRE HYDRANT LEGS FROM TEE TO FIRE HYDRANT INCLUDING THE TEE AND FIRE HYDRANT.
10. FOR THE PURPOSES OF THIS PROJECT, ALL RESTRAINED JOINTS AND JOINT RESTRAINT SHALL BE MECHANICALLY RESTRAINED. JOINT RESTRAINT LENGTHS SPECIFIED HEREON ARE THE LENGTHS TO BE RESTRAINED EACH SIDE OF THE FITTING.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SELECTING APPROPRIATE MEANS AND METHODS TO EXCAVATE AND TRENCH AND INSTALL PIPE SO AS TO NOT EXCEED OFF-ROAD 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.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING, SUPPORTING AND BRACING, IF DAMAGED, ALL OTHER UTILITIES ENCOUNTERED DURING CONSTRUCTION. THIS SHALL BE CONSIDERED INCIDENTAL TO TRENCHING, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.
13. WHERE WATER AND SANITARY SEWER LINES CROSS, THE SANITARY SEWER LINE SHALL BE INSTALLED AS PRESSURE PIPE BETWEEN MANHOLES IF 18 INCHES OF VERTICAL SEPARATION DOES NOT EXIST.
14. ALL FIRE HYDRANTS SHALL BE SECURELY WRAPPED IN BLACK PLASTIC SUCH THAT THE LINE AND NEW WATER LINE IS PUT INTO SERVICE BY THE WATER AUTHORITY PERSONNEL.

**HIGH MESA Consulting Group**  
FORMERLY JEFF MORTENSEN AND ASSOCIATES, INC.  
6010-B MIDWAY PARK BLVD. NE • ALBUQUERQUE, NEW MEXICO 87109  
PHONE: 505.345.4250 • FAX: 505.345.4254 • [www.highmesacg.com](http://www.highmesacg.com)  
2006.180.7

TITLE: LINE 'Y' WATER LINE EXTENSION  
PLAN AND PROFILE  
SOUTHWEST ELEMENTARY SCHOOL PUBLIC INFRASTRUCTURE

City Engineer Approval

**APPROVED**

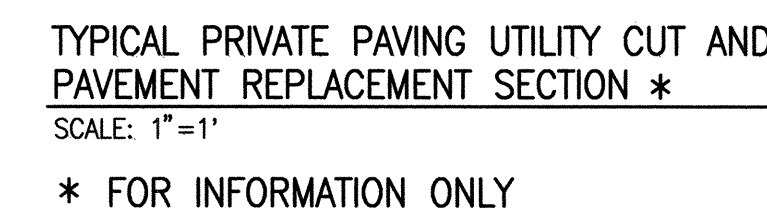
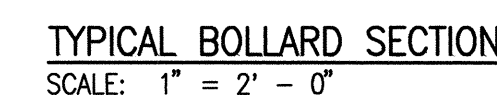
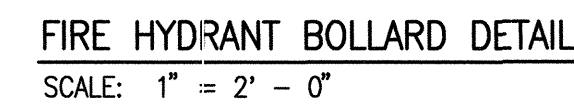
FEB 06 2009

CITY ENGINEER

City Project No.	709183	Zone Map No.	1-9	Sheet	9	Of	19
------------------	--------	--------------	-----	-------	---	----	----



File Path:	<del>61807SD10.DWG</del>	Plot Date:	09-09-2008
File Name:	61807SD10.DWG	Plot Time:	12:53 pm



1. AT A MINIMUM, THE FOLLOWING VALVES SHALL BE CLOSED TO FACILITATE THE PROPOSED NON-PRESSURE CONNECTIONS:
  - CONNECTION #1; VALVES #532, 566, A, PRV
  - CONNECTION #2; VALVES #532, 566, A, PRN
  - CONNECTION #4; B & C
  - CONNECTION #5; B & C
2. WATER AUTHORITY PERSONNEL SHALL PERFORM ALL SHUTOFFS. THE CONTRACTOR SHALL NOT OPERATE ANY VALVES THAT MAY AFFECT SYSTEM OPERATIONS.
3. THE CONTRACTOR SHALL REQUEST A WATER SHUTOFF IN WRITING, A MINIMUM OF SEVEN (7) DAYS IN ADVANCE PER STANDARD CITY OF ALBUQUERQUE PROCEDURES.
4. WITHIN FIVE (5) DAYS AFTER RECEIPT OF CONTRACTOR'S SHUTOFF REQUEST, TRIAL SHUTOFFS WILL BE CONDUCTED. CITY TO FURNISH LABOR AND APPURTENANCES NECESSARY TO VERIFY COMPLETENESS OF SHUTOFFS.
5. THE CONTRACTOR SHALL HAVE ALL FITTINGS, MATERIALS AND EQUIPMENT ON SITE PRIOR TO VALVE SHUTOFF. ALL EXCAVATION SHALL BE COMPLETE EXCEPT AS NECESSARY TO MAINTAIN SAFE SYSTEM OPERATION WHILE UNDER PRESSURE.
6. THE CONTRACTOR SHALL PROVIDE ALL RESTRAINTS AND THRUST BLOCKS NECESSARY TO EFFECT ALL NECESSARY SHUTOFFS AND CONNECTIONS.
7. EXISTING WATER VALVE AND WATER LINE INFORMATION OBTAINED FROM CITY OF ALBUQUERQUE AUTOMATED WATER DISTRIBUTION SYSTEM SECTIONAL MAPS, MAP GRID L-09.
8. AT THE TIME OF WATER SHUTOFF APPLICATION, THE CONTRACTOR SHALL REQUEST THAT WATER AUTHORITY NOTIFY ALL AFFECTED PROPERTY OWNERS AT LEAST TWENTY-FOUR (24) HOURS IN ADVANCE OF THE RESPECTIVE SHUTOFFS.
9. ALL VALVES REFERENCED ABOVE, ALSO SHOWN ON SITE PLAN AT A LARGER SCALE FOR CLARITY.



[illegible]

# RECORD DRAWING

**HIGH MESA Consulting Group**

FORMERLY JEFF MORTENSEN AND ASSOCIATES, INC.  
6010-B MIDWAY PARK BLVD. NE • ALBUQUERQUE, NEW MEXICO 87109  
PHONE: 505.345.4250 • FAX: 505.345.4254 • [www.highmesacg.com](http://www.highmesacg.com)  
**2006.180.7**

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP	
TITLE:	WATER LINE SECTIONS AND DETAILS; WATER VALVE SHUT OFF PLAN SOUTHWEST ELEMENTARY SCHOOL PUBLIC INFRASTRUCTURE

DESIGN REVIEW COMMITTEE		CITY ENGINEER APPROVAL		Ms./Dm./Yr.	Ms./Dm./Yr.
		Last Design Update			

City Project No.	709183	Zone Map No.	L-9	Sheet	10	Of	19
------------------	--------	--------------	-----	-------	----	----	----



## SIGNAL, STRIPING, AND SIGNAGE NOTES

- ALL WORK ON THESE PLANS TO BE PERFORMED UNDER THIS CONTRACT SHALL CONFORM TO THE CURRENT NATIONAL ELECTRIC CODE, THE STANDARDS OF THE NATIONAL BOARD OF FIRE UNDERWRITERS FOR ELECTRICAL WIRING AND APPARATUS, AND THE CITY'S TRAFFIC ENGINEERING OPERATIONS THIRD DRAFT SPECIFICATIONS (JUNE 1994).
- LOCATIONS OF CONDUITS, FOUNDATIONS, CONTROL CABINETS, POLES, PULL BOXES, MANHOLES, AND SPLICE CABINETS SHOWN ON THE PLANS ARE SCHEMATIC AND SHALL BE ADJUSTED IN THE FIELD TO MAXIMIZE CLEAR SPACE AVAILABLE FOR PEDESTRIANS AND WHEELCHAIRS TO COMPLY WITH THE AMERICANS WITH DISABILITIES ACT. THE CONTRACTOR SHALL MEET WITH THE CITY'S TRAFFIC ENGINEERING OPERATIONS PERSONNEL IN THE FIELD AT ALL LOCATIONS TO SPOT EQUIPMENT BEFORE BEGINNING THE WORK. ALL SUCH EQUIPMENT SHALL BE INSTALLED WITHIN THE RIGHT-OF-WAY.
- THE CONTRACTOR IS WARNED THAT EXISTING CONDUITS MAY CONTAIN AC POWER AND CAUTION SHALL BE EXERCISED IN INTERCEPTING OR INSTALLING CABLE IN EXISTING CONDUIT.
- THE CONTRACTOR SHALL BORE, DRILL, OR PUSH WHEN CROSSING EXISTING PAVEMENTS AND ANY DRIVEWAYS FOR SIDE STREET CROSSINGS. BEFORE CONDUIT CAN BE BORED, DRILLED, OR PUSHED THE CONTRACTOR SHALL LOCATE ALL EXISTING UTILITIES. THE CONTRACTOR SHALL LOCATE AND EXPOSE GAS LINES WHICH CROSS ANY PROPOSED BORES. THESE EXCAVATIONS SHALL REMAIN OPEN UNTIL AFTER THE BORE IS COMPLETE. CONTRACTOR SHALL REMOVE AND REPLACE IN KIND ANY SIDEWALK OR PAVEMENT REQUIRED TO EXPOSE SUCH LINES. THE CONTRACTOR MAY CUT, TRENCH, AND REPLACE EXISTING PAVEMENT ONLY WHEN APPROVED BY THE PROJECT MANAGER.
- SPLICING OF COMMUNICATIONS CABLE WILL NOT BE PERMITTED IN PULL BOXES. SPLICING OF COMMUNICATIONS CABLE (CONNECTIONS) WILL BE PERMITTED ONLY AT SPLICE CABINETS OR CONTROLLER CABINETS WITH SPLICE BARS. SPLICING OF TRAFFIC SIGNALS MCC WILL BE PERMITTED IN LARGE PULL BOXES INCLUDING LARGE MEDIAN PULL BOXES. SPLICING OF VIDEO DETECTION COAXIAL CABLE WILL NOT BE PERMITTED FROM THE MASTARM BASE TO THE CONTROLLER CABINET. SPLICING OF OPTICAL DETECTOR CABLE WILL NOT BE PERMITTED FROM THE DETECTOR TO THE CONTROLLER CABINET.
- ALL LOOP LEAD-IN CABLES SHALL BE TAGGED AT THE CONTROL CABINET TO IDENTIFY EACH CABLE BY PHASE AND LOOP NUMBER. ALL VIDEO DETECTION COAXIAL AND POWER CABLES SHALL BE TAGGED AT THE CONTROL CABINET TO IDENTIFY EACH CABLE BY CAMERA NUMBER AND LOCATION. ALL OPTICAL DETECTOR CABLE SHALL BE TAGGED AT THE CONTROL CABINET TO IDENTIFY EACH BY DIRECTION AND LOCATION.
- ALL PULL BOXES SHALL BE REINFORCED POLYMER MORTAR HEAVY DUTY TYPE WITH REINFORCED POLYMER MORTAR HEAVY DUTY COVERS. CONCRETE COVERS, STEEL COVERS, AND CONCRETE PULL BOXES WILL NOT BE ACCEPTABLE.
- THE CONTRACTOR SHALL NOTIFY THE CITY OF ALBUQUERQUE TRAFFIC ENGINEERING OPERATIONS(857-8000) THREE WORKING DAYS IN ADVANCE OF ANY ANTICIPATED WORK ON SIGNALS, LIGHTING, AND POWER SERVICES. TRAFFIC ENGINEERING OPERATIONS PERSONNEL WILL ASSIST THE CONTRACTOR IN FIELD LOCATION OF EQUIPMENT, COLOR CODING OF WIRING, AND MUST BE PRESENT WHEN SIGNALS AND LIGHTING ARE SHUT-OFF OR TURNED ON. THE CONTRACTOR SHALL ALSO NOTIFY THE CITY OF ALBUQUERQUE TRAFFIC ENGINEERING OPERATIONS EACH TIME A TRAFFIC SIGNAL CONTROL DOOR IS OPENED.
- THE CONTRACTOR SHALL NOTIFY PUBLIC SERVICE COMPANY 30 DAYS IN ADVANCE OF ANTICIPATED POWER SERVICE CONNECTIONS. THE CONTRACTOR SHALL COORDINATE WITH PUBLIC SERVICE COMPANY TO ESTABLISH ELECTRICAL SERVICE IN THE CITY'S NAME. THE CONTRACTOR SHALL PAY THE LOCAL POWER COMPANY ALL COSTS TO PROVIDE ELECTRICAL SERVICE. THIS WORK WILL BE CONSIDERED INCIDENTAL TO CONSTRUCTION.
- THE CONTRACTOR SHALL REMOVE ALL CONFLICTING SIGNING AND DELIVER TO THE CITY TRAFFIC ENGINEERING YARDS WHEN TRAFFIC SIGNALS ARE PUT INTO OPERATION.
- LIVE UNUSED CONDUCTORS WILL NOT BE ALLOWED AT MASTARM POLES AND PEDESTAL POLES. ALL SUCH UNUSED CONDUCTORS SHALL BE DISCONNECTED AT THE LARGE PULL BOX ADJACENT TO THE POLE.
- IF TRENCH WIDTHS LESS THAN 12" ARE PROPOSED BY THE CONTRACTOR, APPROVED COMPACTION METHODS SHALL BE USED DURING BACKFILL TO PREVENT LATENT TRENCH FAILURES. THE CONTRACTOR SHALL USE GROUT OR LEAN FILL AS APPROVED BY THE PROJECT MANAGER IN LIEU OF EARTH BACKFILL.
- FOR CONDUITS CONTAINING ONLY LOW VOLTAGE COMMUNICATIONS CABLES, THE REQUIREMENTS FOR A SINGLE CONDUCTOR BARE COPPER #8 AWG MAY BE WAIVED WHERE PERMITTED BY THE NATIONAL ELECTRIC CODE.
- THE CITY OF ALBUQUERQUE TRAFFIC ENGINEERING OPERATIONS PERSONNEL WILL PROVIDE TRAFFIC SIGNAL TIMING PLANS AND WILL PROGRAM TRAFFIC SIGNAL CONTROLLERS.
- EXISTING CONDUITS TO BE REMOVED OR ABANDONED SHALL HAVE ALL WIRING REMOVED.
- EXISTING CONDUITS SHALL BE REPAIRED, ADJUSTED, OR REPLACED AS DIRECTED BY THE PROJECT MANAGER WHERE ELECTRICAL PULL BOXES OR TRAFFIC MANHOLES ARE INSTALLED OR REPLACED.
- CONTRACTOR SHALL COIL EXCESS INTERCONNECT CABLE AT ALL NEW OR EXISTING TRAFFIC MANHOLES BETWEEN SPLICE CABINET OR CONTROL CABINETS WITH SPLICE BARS. IF MORE THAN ONE MANHOLE EXISTS BETWEEN SPLICE CABINETS OR CONTROL CABINETS WITH SPLICE BARS, THEN COILING IS ONLY REQUIRED AT ONE OF THE MANHOLES. THE FOLLOWING QUANTITIES OF COMMUNICATION CABLE SHALL BE COILED:
  - 12 PAIR - 50 FT.
  - 25 PAIR - 50 FT.
  - 50 PAIR - 25 FT.
  - 75 PAIR - 25 FT.
- THE CONTRACTOR SHALL PROVIDE OFF-DUTY POLICE OFFICERS TO DIRECT TRAFFIC WHEN SIGNALS ARE TURNED OFF.
- ALL DATA SHOWN HEREIN CONCERNING EXISTING UTILITIES HAS BEEN OBTAINED FROM "AS-BUILT" DRAWINGS AND FROM FIELD OBSERVATIONS WHICH MAY OR MAY NOT BE ACCURATE. THE CONTRACTOR WILL BE RESPONSIBLE FOR EXPLORATORY TRENCHING. IF NECESSARY, TO MORE SPECIFICALLY LOCATE UTILITY LINES, COST OF LOCATING UTILITY LINES INCLUDING EXPLORATORY TRENCHING WILL BE CONSIDERED INCIDENTAL TO CONSTRUCTION.
- THE CONTRACTOR SHALL VIDEO TAPE THE EXISTING TRAFFIC SIGNAL EQUIPMENT IN VHS FORMAT AND REVIEW THE TAPE WITH CITY OF ALBUQUERQUE TRAFFIC ENGINEERING OPERATIONS PERSONNEL PRIOR TO BEGINNING ANY REMOVALS OF SIGNAL EQUIPMENT. THE TAPE SHALL BECOME THE PROPERTY OF THE CITY AND MAY BE USED TO RESOLVE ANY QUESTIONS RELATED TO THE ORIGINAL CONDITION AND QUALITY OF EXISTING EQUIPMENT. THE EXISTING TRAFFIC SIGNAL EQUIPMENT INCLUDING POLES, CONTROLLER CABINETS, CONFLICT MONITORS, AND DETECTORS SHALL BE DELIVERED TO THE CITY OF ALBUQUERQUE TRAFFIC ENGINEERING YARD ON PINO ROAD NE.
- STRIPING BY CONTRACTOR WILL BE REQUIRED PRIOR TO THE FINAL ACCEPTANCE.
- STRIPING ERADICATION, IF REQUIRED, SHALL BE ACCOMPLISHED BY WATER BLASTING OR SURFACE PLANING OF THE ROADWAY TO A MAXIMUM DEPTH OF 0.25 INCHES AND FOR A WIDTH EQUAL TO TWO TIMES THE WIDTH OF THE STRIPE OR MARKING TO BE REMOVED.
- CONTRACTOR SHALL CONTACT ANDREW GALLEGOS, CITY TRAFFIC ENGINEERING OPERATIONS, PRIOR TO STRIPING AND SIGN INSTALLATION (857-0094).
- ALL SIGNAGE SHALL COMPLY WITH THE M.U.T.C.D. (LATEST EDITION).
- MINIMUM CONDUIT AND BORE DEPTH IS 30" UNLESS AUTHORIZED BY THE ENGINEER.

## INCIDENTAL ITEMS \*

- REMOVAL OF EXISTING PULL BOXES, CONDUITS, OR OTHER SIGNAL EQUIPMENT FOR INSTALLATION OF NEW SIGNAL EQUIPMENT.
- CABLE TESTING AND DIAGRAMS.
- BORING, DRILLING, PUSHING, AND TRENCHING, INCLUDING REMOVAL AND REPLACEMENT OF PAVEMENT, SIDEWALKS, DRIVE PADS, VALLEY GUTTERS, WHEELCHAIR RAMPS, CURB & GUTTER, AND LANDSCAPING (INCLUDING SPRINKLERS). FOR INSTALLATION OF PULL BOXES, CONDUITS, AND SIGNAL FOUNDATIONS, EXCEPT AS NOTED ON THE PLANS.
- LOCATION OF UTILITY LINES INCLUDING EXPLORATORY TRENCHING AND EXPOSING OF GAS LINES WHEN BORING.
- DESIGN, MATERIALS, INSTALLATION AND REMOVAL OF SAFETY BARRIER FOR SHIELDING EQUIPMENT OR MATERIAL.
- APPRIISING PUBLIC THROUGH THE LOCAL NEWS MEDIA.
- HAULING OF MATERIAL TO BE DISPOSED TO CITY LANDFILL.
- REMOVAL, SALVAGE, AND TRANSPORTATION OF EXISTING SIGNAL EQUIPMENT TO THE TRAFFIC ENGINEERING OPERATIONS YARD.
- LEAN FILL FOR CONDUIT TRENCHES.
- PULL BOX ADJUSTMENT TO GRADE.
- OFF-DUTY POLICE OFFICER FOR TRAFFIC CONTROL.
- REMOVAL AND REPLACEMENT IN KIND OR BETTER OF LANDSCAPING INCLUDING SPRINKLERS, FOR INSTALLATION OF PULL BOXES, CONDUITS AND SIGNAL FOUNDATIONS.
- COST FOR PUBLIC SERVICE COMPANY TO PROVIDE ELECTRICAL SERVICE.

ITEMS LISTED ARE ONLY A GENERAL DESCRIPTION OF THE REQUIRED WORK AND MATERIALS, AND MAY NOT BE COMPLETE. THIS LIST DOES NOT INCLUDE ANY INCIDENTAL WORK OR MATERIALS REQUIRED BY THE SPECIAL PROVISIONS SERIALS (STANDARD DETAILS), SUPPLEMENTAL SPECIFICATIONS, OR THE STANDARD SPECIFICATIONS.

- NO. 8 AWG COPPER CONDUCTOR (BARE) INSTALLED IN CONNECTION WITH NON METALLIC CONDUIT (SEE SEC 424.3.2 OF STANDARD SPECIFICATIONS).

## TRAFFIC SIGNAL EQUIPMENT REQUIREMENTS \*

- THIS PROJECT IS AN EXTENSION OF AN EXISTING SIGNAL SYSTEM. THEREFORE THE CONTRACTOR SHALL FURNISH AND INSTALL THE FOLLOWING:
  - ALL CONTROLLERS SUPPLIED FOR THIS PROJECT SHALL BE MANUFACTURED BY ECONOLITE.
  - ALL TRAFFIC PULL BOXES USED ON THIS PROJECT SHALL BE LARGE SIZE.
- ALL SIGNAL ASSEMBLIES, PEDESTRIAN SIGNALS, CABINETS AND FITTINGS SHALL COMPLY WITH THE CITY OF ALBUQUERQUE TYPE AND COLOR REQUIREMENTS.
- CONTRACTOR SHALL SUBMIT TO THE ENGINEER FOR APPROVAL A MATERIAL SUBMITTAL FOR THE FLASHING BEACON CONTROLLER PRIOR TO THE SUBMISSION OF THE WORK ORDER PACKAGE TO THE CITY OF ALBUQUERQUE.

## TRAFFIC SIGNAL LEGEND

NEW	EXISTING	ITEM
■	☒	PULL BOX
●	○	SERVICE POLE
M	M	METER PEDESTAL
C	C	CONTROLLER CABINET
-----	-----	CONDUIT RUN (SIGNALS)
- . - . -	- . - . -	CONDUIT RUN (INTERCONNECT)
▬	▬	LOOP DETECTOR
←●	←○	TRAFFIC SIGNAL PEDESTAL POLE
△1	△1	CONDUIT RUN NUMBER (FLASHING BEACON)
△S1	△S1	CONDUIT RUN NUMBER (POWER SERVICE)
△C1	△C1	CONDUIT RUN NUMBER (INTERCONNECT)
↓	↓	TYPE II STANDARD WITH MASTARM, TRAFFIC SIGNAL, BACK PLATE, AND OPTICAL DETECTOR
↓	↓	TRAFFIC SIGNAL, BACK PLATE, OPTICAL DETECTOR, LUMINAIRE, AND VIDEO CAMERA
↓	↓	PEDESTRIAN PUSH BUTTON (MOUNTED TO SIDE OF POLE WHERE INDICATED)
↓	↓	PEDESTRIAN SIGNALS (MOUNTED TO SIDE OF POLE WHERE INDICATED)
SC	SC	SPLICE CABINET
●	○	TRAFFIC MANHOLE
■	□	VIDEO CAMERA

## DEFINITIONS

- "ENGINEER" - FOR THE PURPOSES OF THIS PROJECT, THE TERM "ENGINEER" IS SYNONYMOUS WITH THE TERM "PROJECT MANAGER".

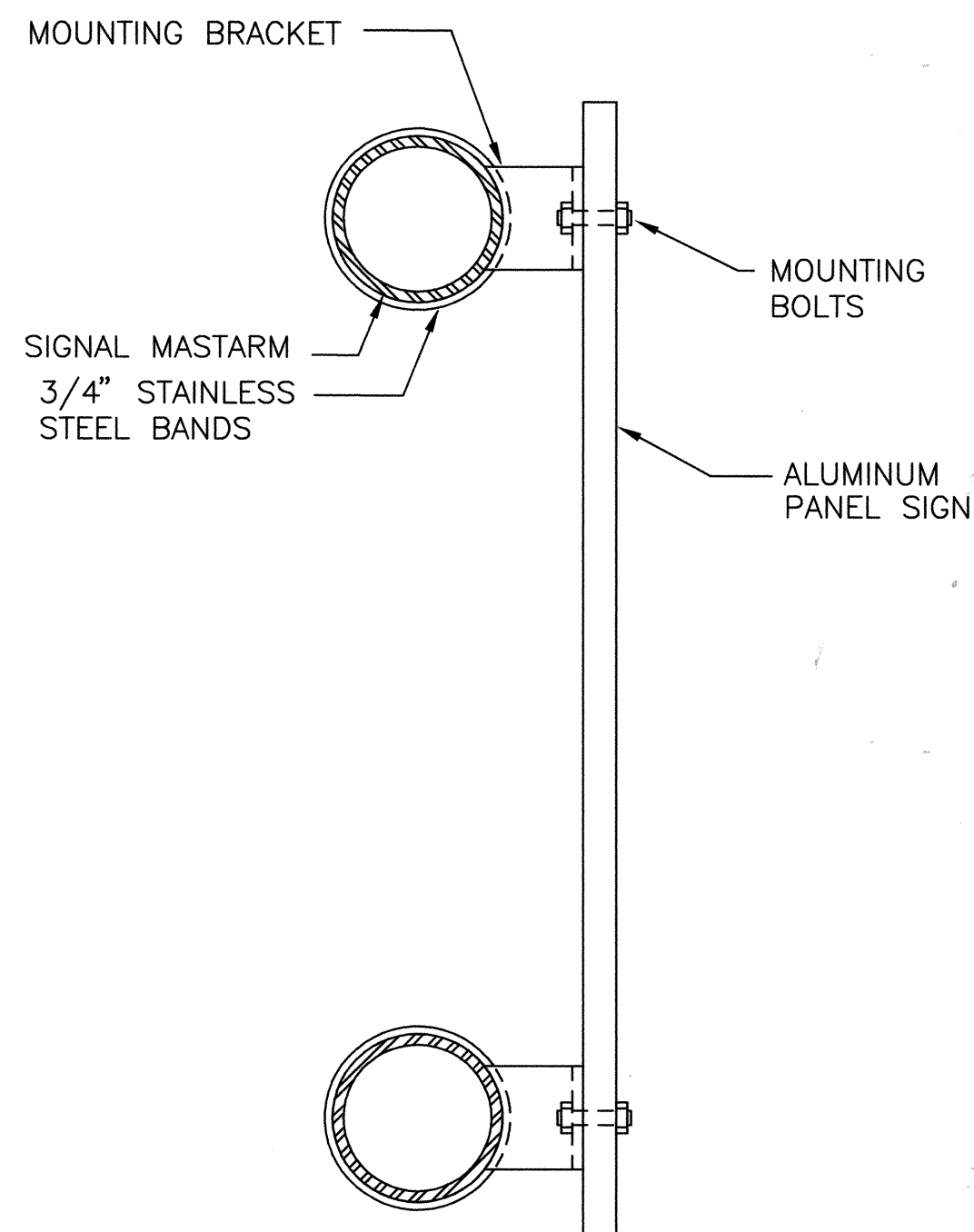
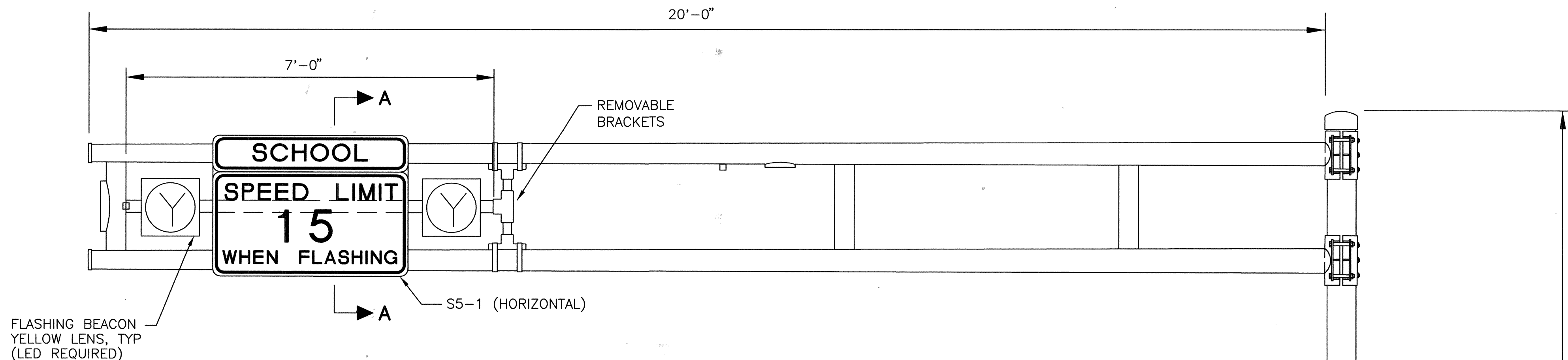
# RECORD DRAWING

## HIGH MESA Consulting Group

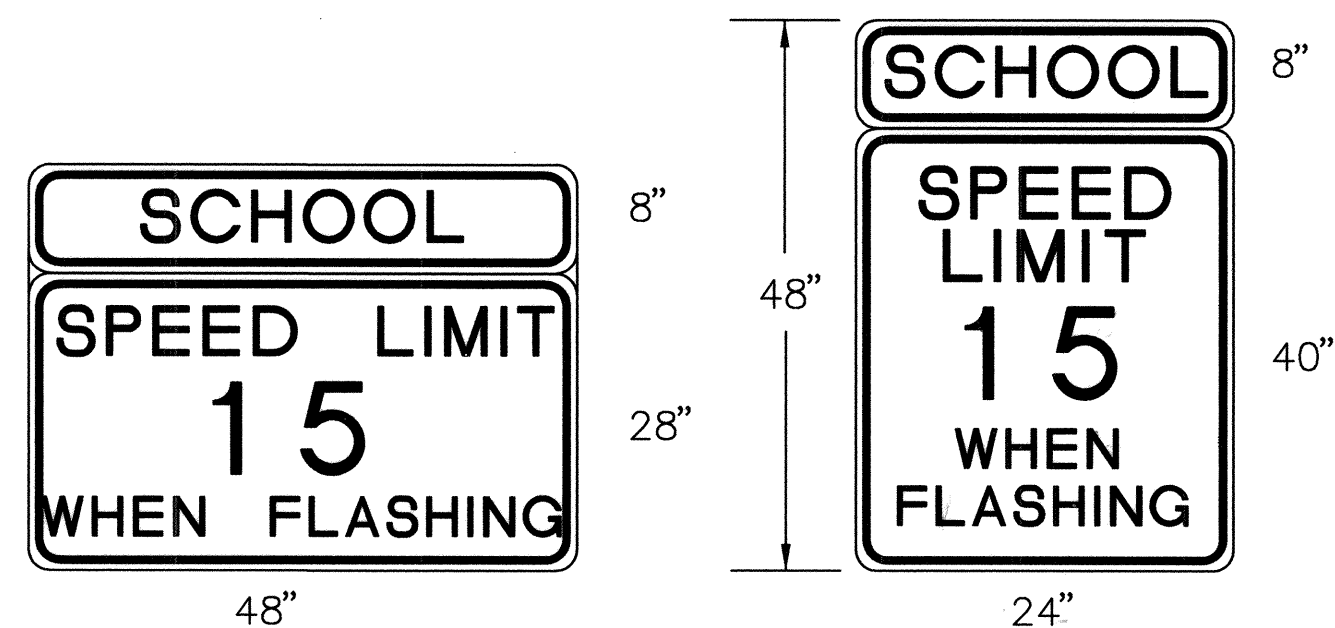
FORMERLY JEFF MCINTOSH AND ASSOCIATES, INC.  
4010-B MIDWAY PARK BLVD. NE • ALBUQUERQUE, NEW MEXICO 87109  
PHONE: 505.345.4250 • FAX: 505.345.4254 • www.highmesacg.com  
2006.180.7

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP	
TITLE: <b>TRAFFIC NOTES, LEGEND, EQUIPMENT REQUIREMENTS AND INCIDENTAL ITEMS SOUTHWEST ELEMENTARY SCHOOL PUBLIC INFRASTRUCTURE</b>	
Design Review Committee <b>APPROVE</b> DEC 22 2008 DESIGN REVIEW COMMITTEE	City Engineer Approval <b>APPROVE</b> FEB 06 2009 CITY ENGINEER
City Project No. <b>709183</b>	Zone Map No. <b>L-9</b>
Sheet <b>11</b>	Of <b>19</b>





HORIZONTAL SIGN MOUNT DETAIL  
SECTION A-A  
NO SCALE

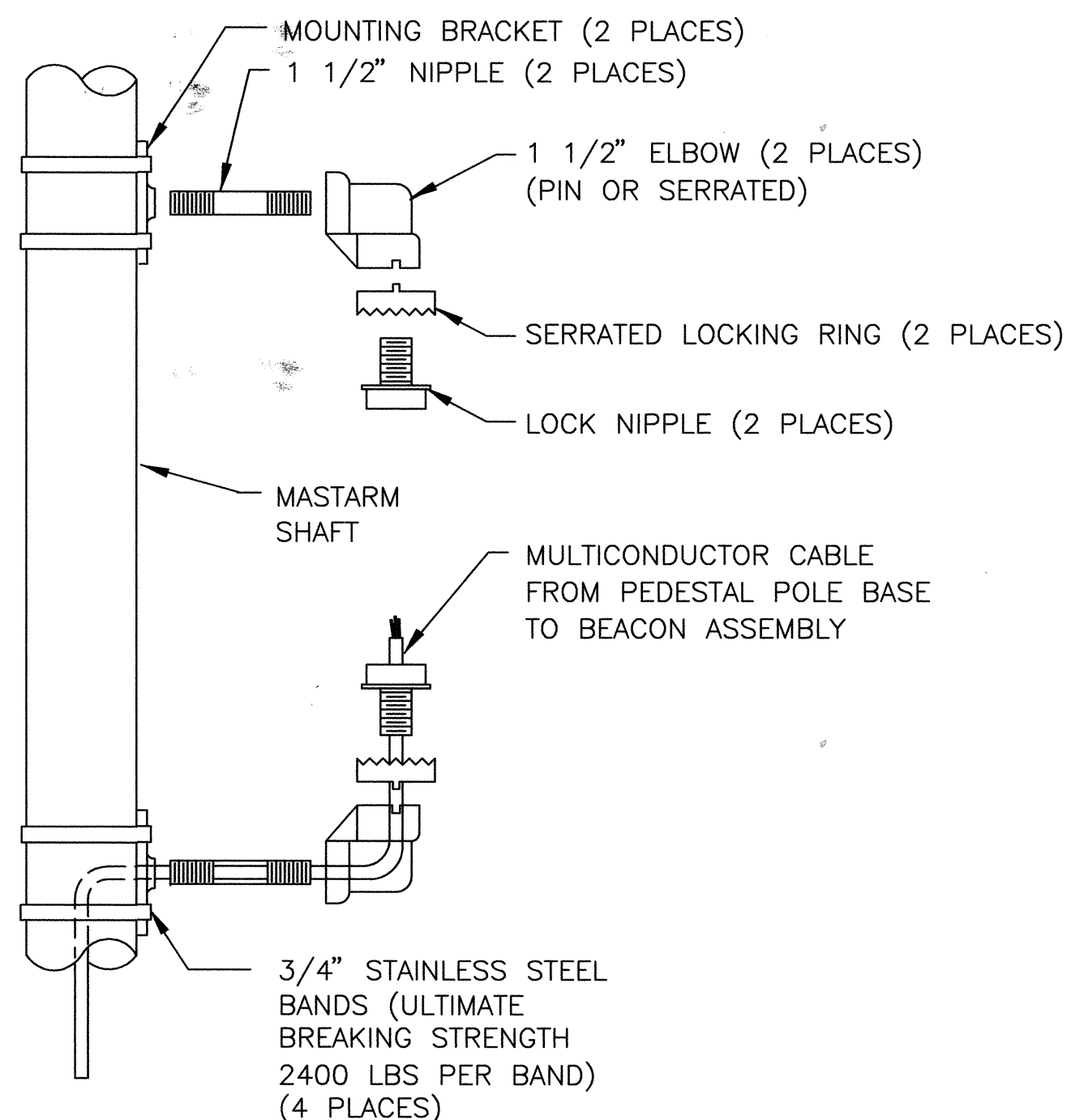


S5-1 (HORIZONTAL) S5-1 (VERTICAL)

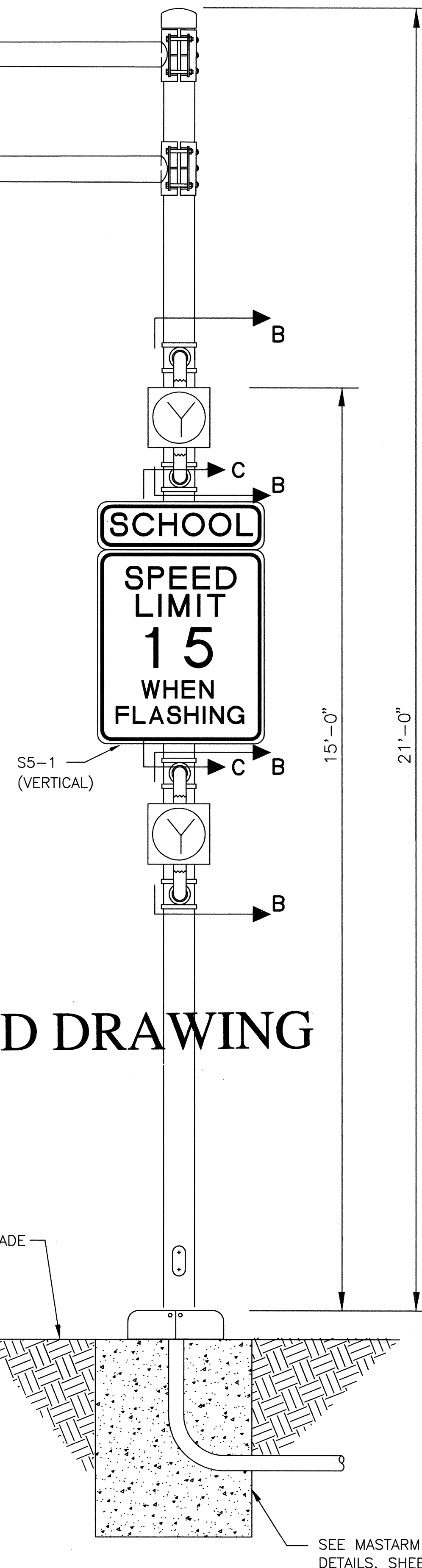
TYPICAL SIGN FACE  
DETAIL FOR SCHOOL BEACON  
NO SCALE

COLORS

LEGEND:BLACK(NON-REFLECTIVE)  
TOP PANEL: FLORESCENT YELLOW GREEN/ VISUAL IMPACT(VIP)  
BOTTOM PANEL:WHITE/ VIP  
OUTSIDE BORDER:SAME AS PANEL BACK GROUND  
INSIDE BORDER:BLACK  
FONT: 10" "C" FOR NUMBERS



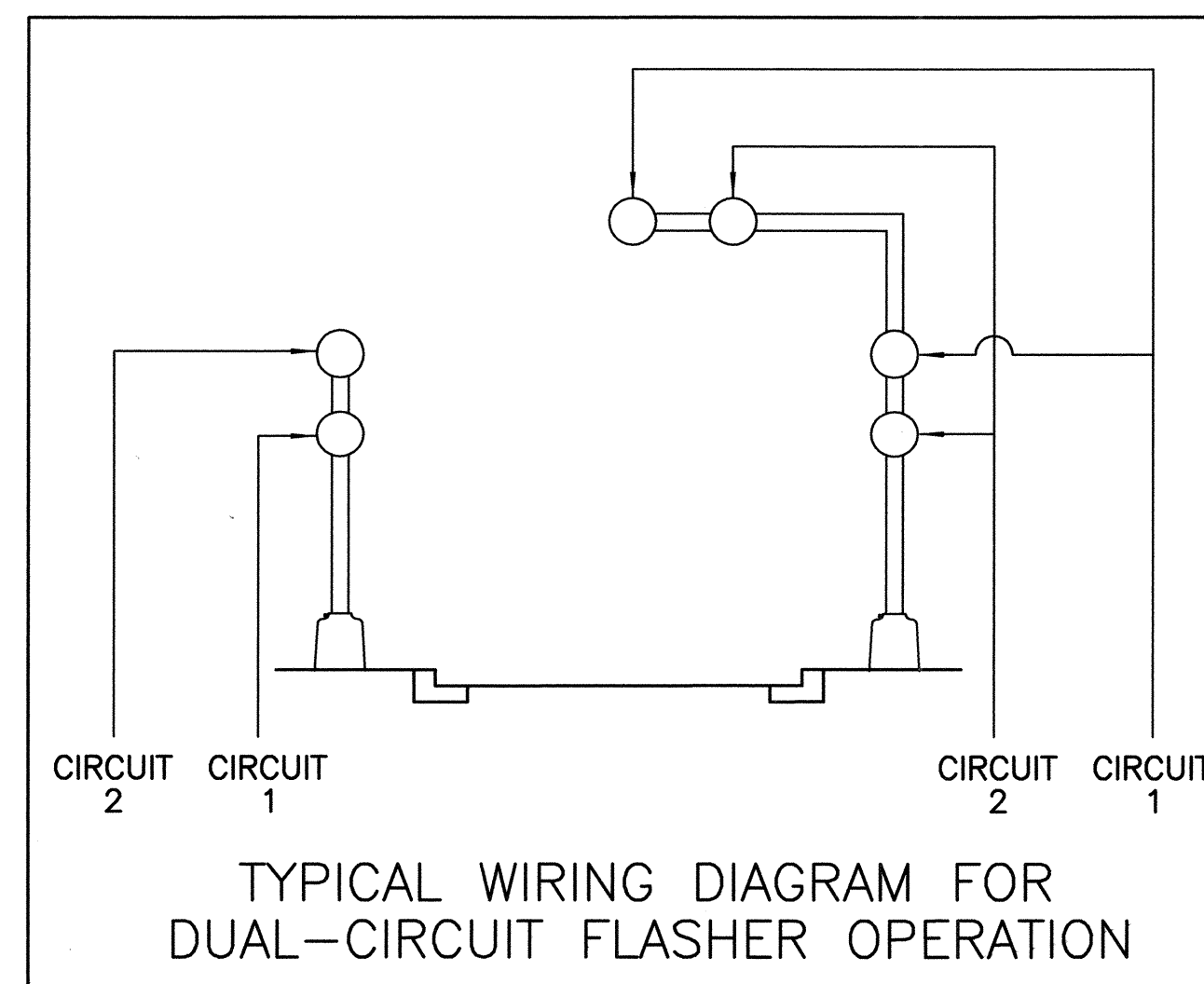
SIGNAL MOUNT DETAIL  
SECTION B-B  
NO SCALE



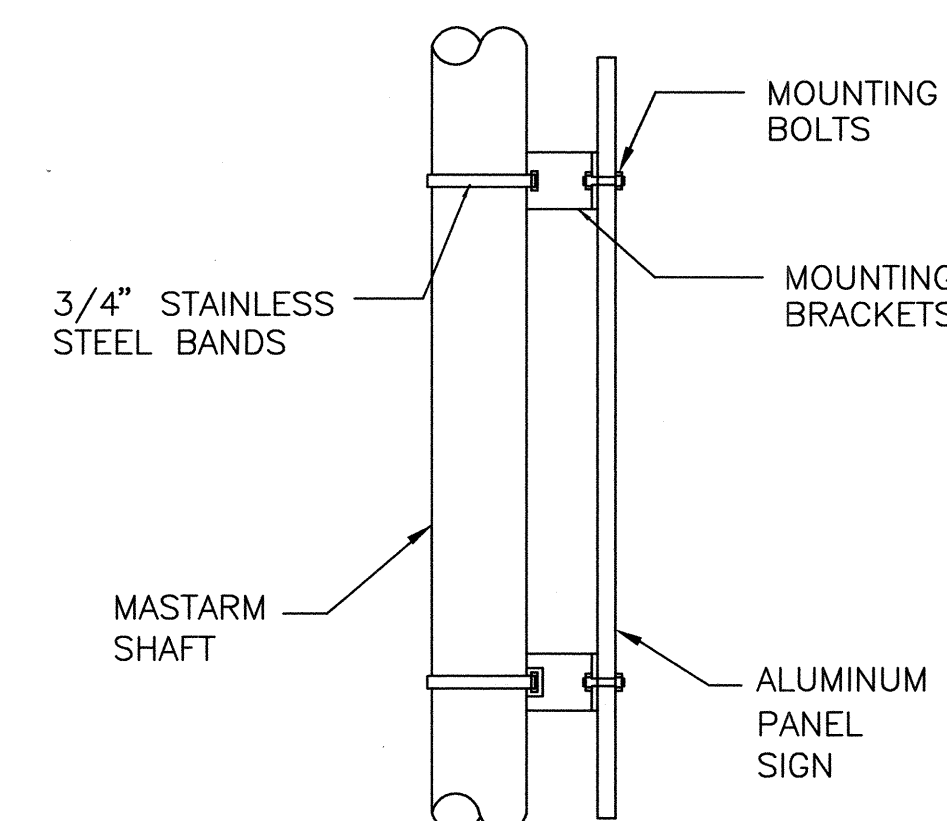
SCHOOL BEACON DETAIL-MASTARM  
NO SCALE

NOTES:

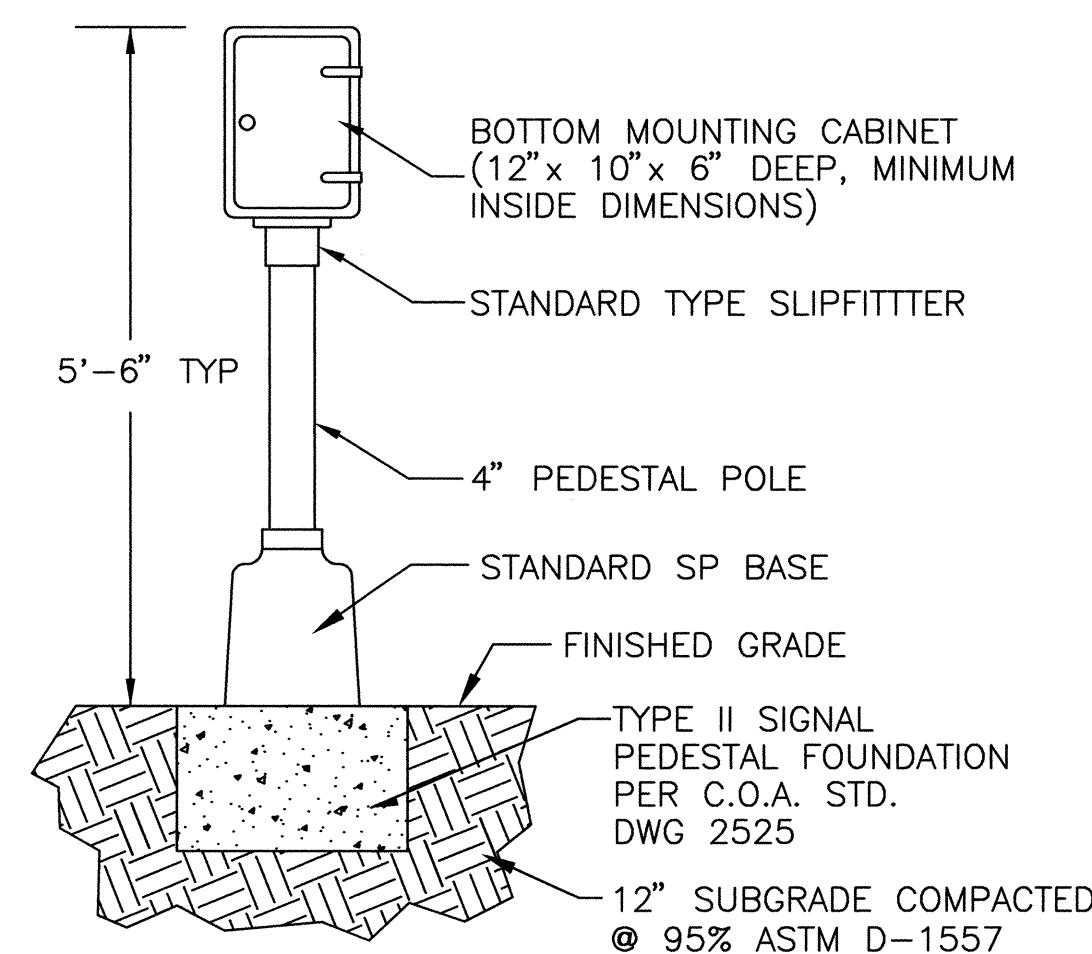
- EACH SCHOOL BEACON (MASTARM) WILL BE MEASURED AND PAID FOR UNDER THE FOLLOWING ITEMS:  
ITEM 0422.012 - TRAFFIC SIGNAL MASTARM 20' ARM (1 EACH BEACON)  
ITEM 0423.002 - TRAFFIC SIGNAL MASTARM FOUNDATION (1 EACH BEACON)  
ITEM 0427.001 - 1 SECTION TRAFFIC SIGNAL ASSEMBLY (4 EACH BEACON)  
ITEM 0450.001 - ALUMINUM PANEL SIGNS (2 EACH BEACON)



TYPICAL WIRING DIAGRAM FOR  
DUAL-CIRCUIT FLASHER OPERATION



VERTICAL SIGN MOUNT DETAIL  
SECTION C-C  
NO SCALE



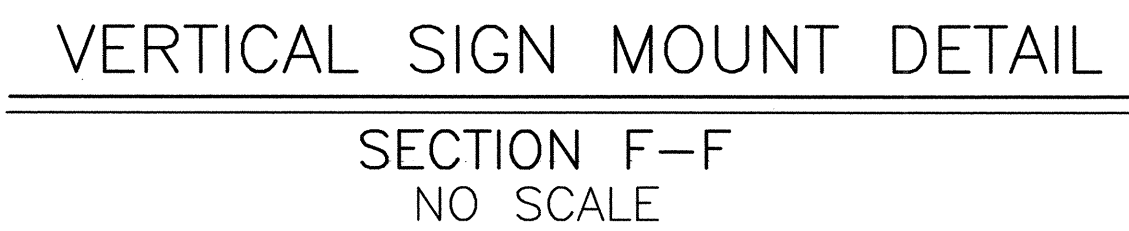
TYPICAL FLASHING BEACON  
CONTROL CABINET ASSEMBLY  
NO SCALE

**HIGH MESA Consulting Group**  
FORMERLY JEFF MORTENSEN AND ASSOCIATES, INC.  
6010-B MIDWAY PARK BLVD. NE • ALBUQUERQUE, NEW MEXICO 87109  
PHONE: 505.345.4250 • FAX: 505.345.4254 • www.highmesacg.com  
2006.180.7

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: FLASHING BEACONS DETAILS (MASTARM) SOUTHWEST ELEMENTARY SCHOOL PUBLIC INFRASTRUCTURE			
Design Review Committee APPROVED DEC 22 2008 DESIGN REVIEW COMMITTEE	City Engineer Approval APPROVED FEB 06 2009 CITY ENGINEER	Zone Map No.	Sheet 12 of 19
City Project No. 709183	L-9	12	19

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	ACS 3 1/4" ALUMINUM CAP STAMPED "21-LF"	ON THE TOP OF CONCRETE CURB IN THE WEST MEDIAN	NO.	DATE	BY	REMARKS
WORK BY HMCQ	DATE 04-09	NOSE AT THE INTERSECTION OF TOWER ROAD S.W. AND 86TH STREET S.W. STATION IS LOCATED 4.9 FEET NORTH OF CENTERLINE OF TOWER ROAD S.W. AND 40.7 FEET WEST OF 86TH STREET S.W.		2005.180.4	07-31-06	HMCQ	RECORD DWG. 10/01/07
APPROVED BY HMCQ	DATE 05-09						DESIGN
DRAWINGS CORRECTED BY HMCQ	DATE 05-09						DESIGNED BY C.D.A.
RECORDED BY HMCQ	DATE 05-09						DRAWN BY J.Y.R./C.T.A.
							CHECKED BY J.C.H.
							DATE 07-2008
							DATE 08-2008







LEGEND:BLACK(NON-REFLECTIVE)  
TOP PANEL:FLORESCENT YELLOW GREEN / VISUAL IMPACT (VIP)  
BOTTOM PANEL:WHITE  
OUTSIDE BORDER:WHITE / VIP  
INSIDE BORDER:BLACK



1. EACH SCHOOL BEACON (PEDESTAL) WILL BE MEASURED AND PAID FOR UNDER THE FOLLOWING ITEMS:
  - A. ITEM 0422.004 – TRAFFIC SIGNAL PEDESTAL POLE 15' (1 EACH BEACON)
  - B. ITEM 0423.001 – TRAFFIC SIGNAL FOUNDATION FOR PEDESTAL POLE (1 EACH BEACON)
  - C. ITEM 0427.001 – 1 SECTION TRAFFIC SIGNAL ASSEMBLY (2 EACH BEACON)
  - D. ITEM 0450.001 – ALUMINUM PANEL SIGNS (1 EACH BEACON)

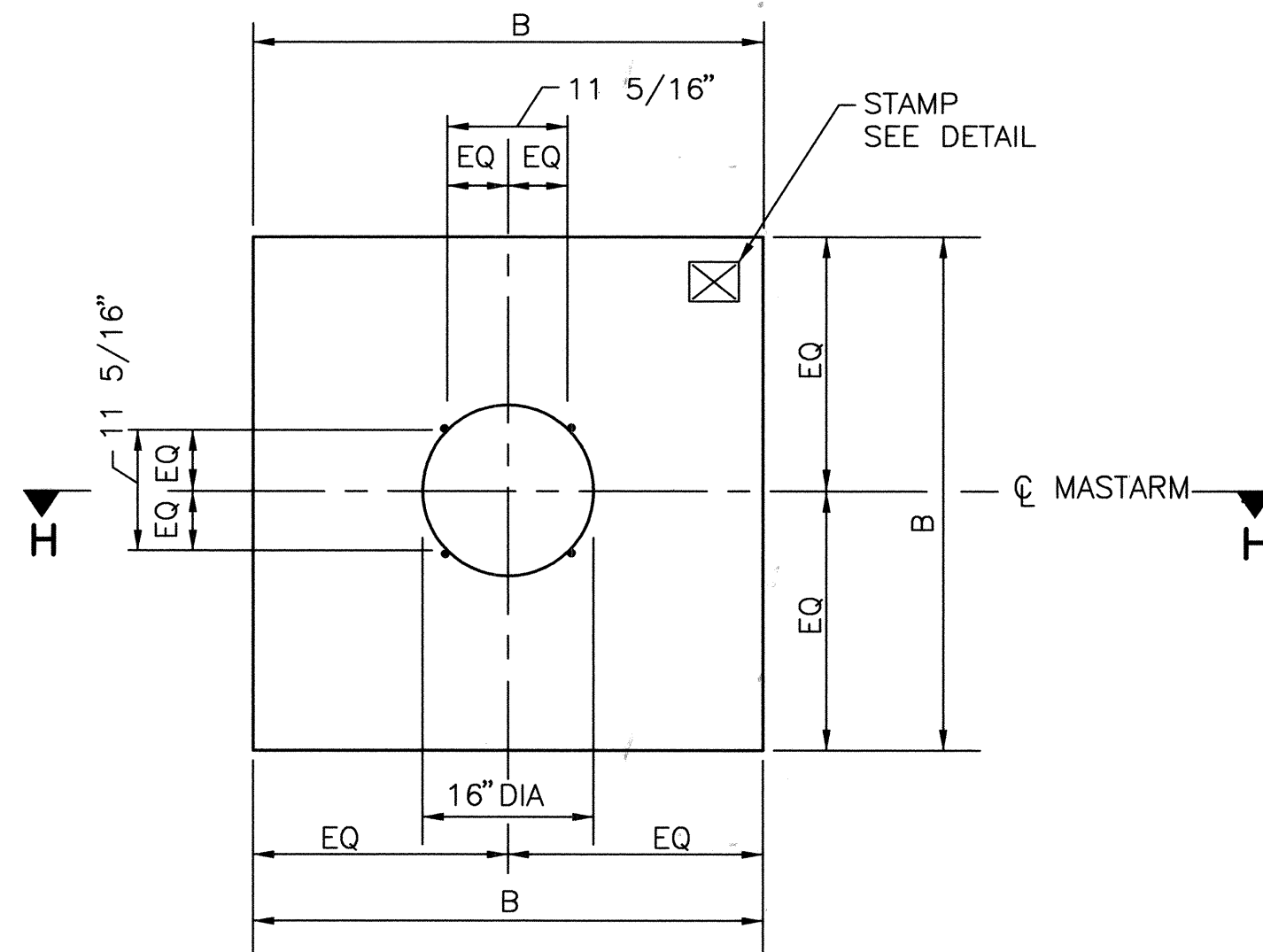
# RECORD DRAWING

Design Review Committee 		City Engineer Approval 		Last Design Update <table border="1"> <tr><td>Mo./Day/Yr.</td><td>Mo./Day/Yr.</td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>		Mo./Day/Yr.	Mo./Day/Yr.								
Mo./Day/Yr.	Mo./Day/Yr.														
City Project No. 709183		Zone Map No. L-9		Sheet 13 Of 19											

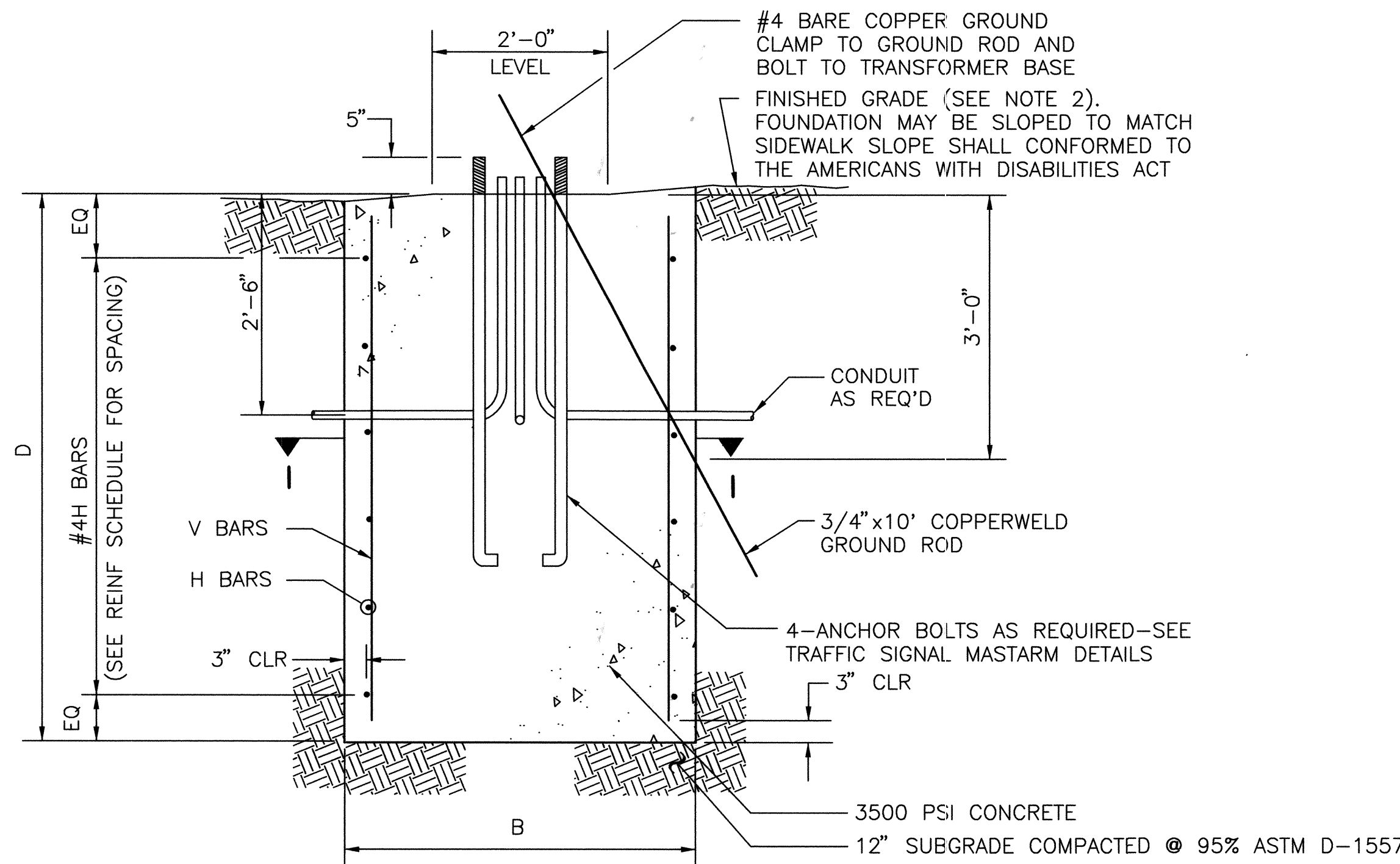




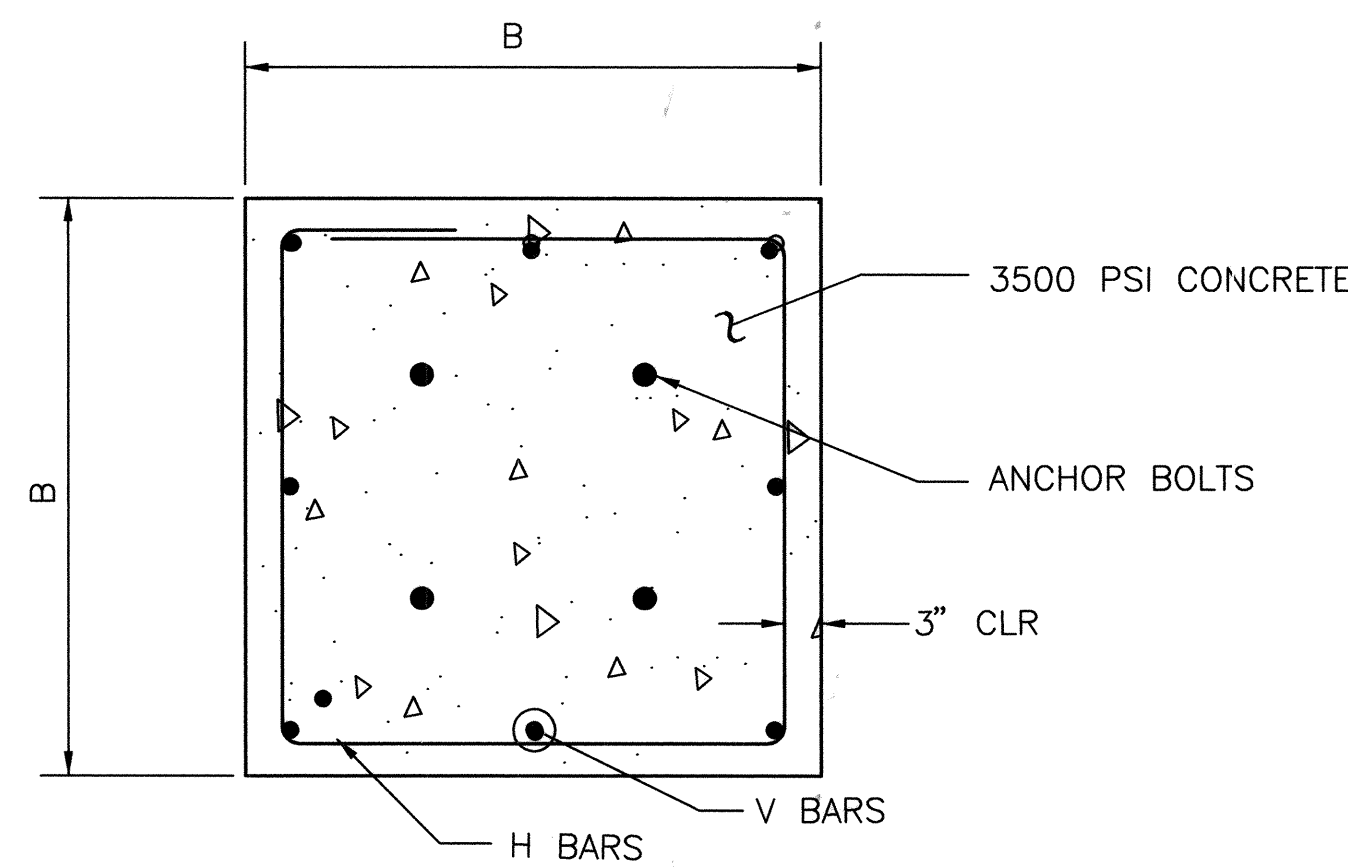




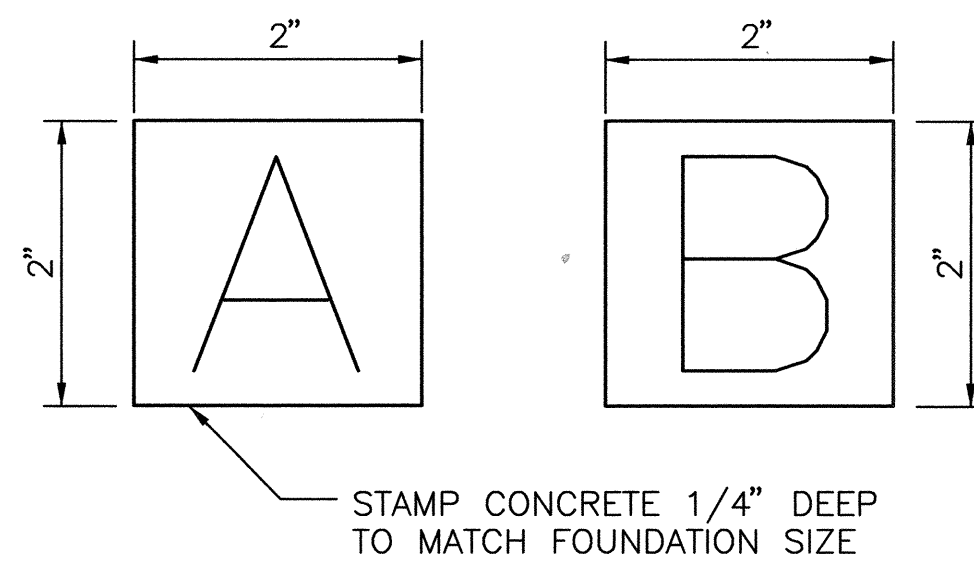
PLAN VIEW (SQUARE)  
NO SCALE



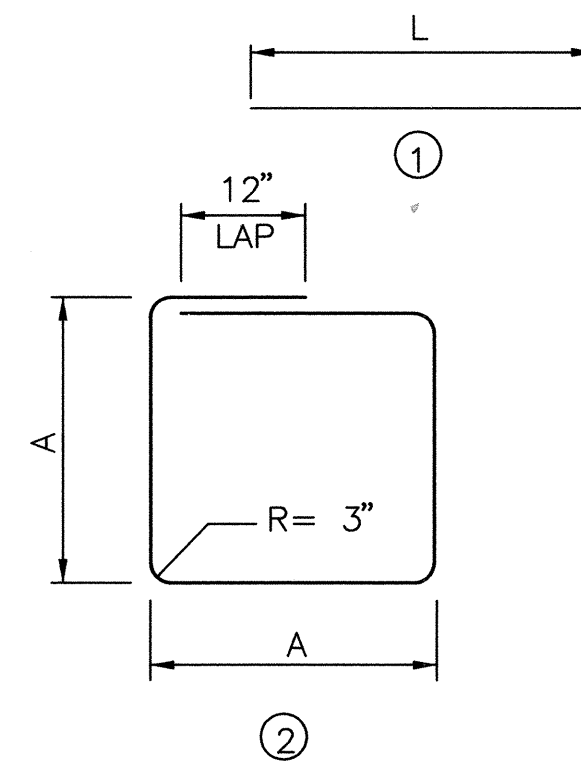
SECTION H-H (ROUND OR SQUARE)  
NO SCALE



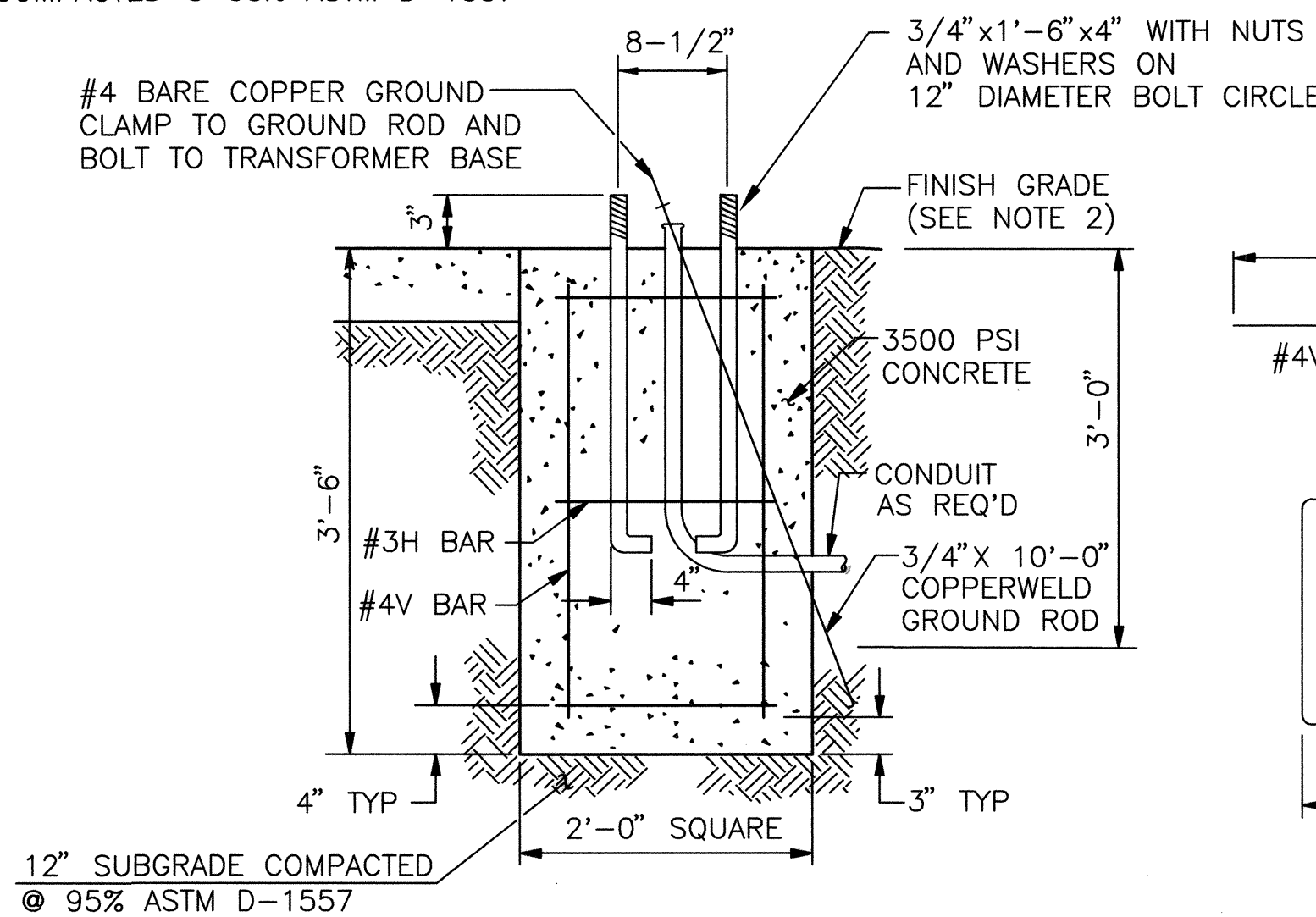
SECTION I-I (SQUARE)  
NO SCALE



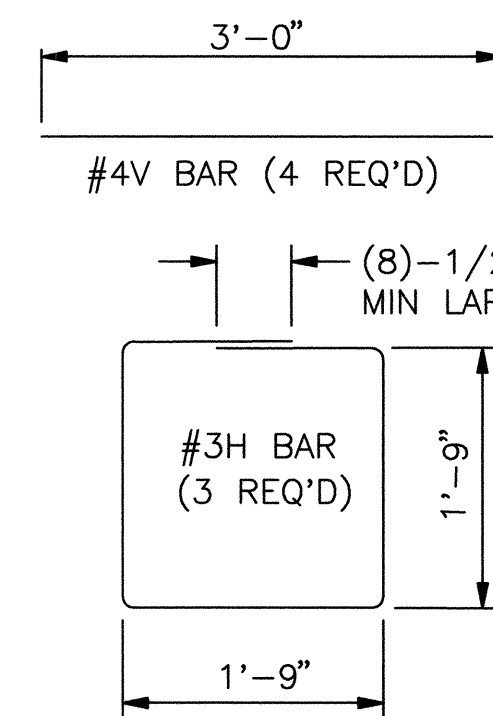
STAMP DETAIL  
NO SCALE



BAR BENDING DIAGRAM



PEDESTAL POLE FOUNDATION DETAIL  
NO SCALE



REINFORCING STEEL

FOUNDATION DIMENSIONS AND QUANTITIES							
FOUNDATION TYPE	SIGNAL ARM SPAN(FT)	DIMENSION B (WIDTH)	D (DEPTH)	REINFORCING V BARS MARK	H BARS MARK	REBAR POUNDS	3500 PSI CONCRETE CUBIC YARDS
TYPE A (SQUARE)	15	3'-6"	5'-0"	#4V2	#3H2	49.1	2.27
	20	"	"	"	"	"	"
	25	"	"	"	"	"	"
TYPE B (SQUARE)	30	4'-0"	6'-3"	#5V1	#3H1	82.6	3.70
	35	"	"	"	"	"	"
	40	"	"	"	"	"	"
PEDESTAL	-	2'-0"	3'-6"	#4V	#3H	17	0.52

REINFORCING SCHEDULE (GRADE 60 BARS)					
MARK	QUANT	TYPE	SIZE	LENGTH	COMMENTS
#5V1	8	1	5	5'-9"	
#4V2	8	1	4	4'-6"	
#7V3	6	1	7	11'-3"	
#6V4	6	1	6	8'-0"	
#3H1	6	2	3	15'-4"	A = 42", TIES AT 14" OC
#3H2	5	2	3	13'-4"	A = 36", TIES AT 12" OC
#3H3	12	3	3	9'-3"	DIA = 30", TIES AT 12" OC
#3H4	9	3	3	7'-8"	DIA = 24", TIES AT 12" OC

#### TRAFFIC SIGNAL FOUNDATION NOTES

- REFER TO THE PLANS FOR LOCATIONS OF TRAFFIC SIGNAL FOUNDATIONS.
- FINISHED GRADE FOR THE FOUNDATIONS SHALL BE ESTABLISHED IN THE FIELD BY THE PROJECT MANAGER.
- THE FOUNDATIONS SHOWN HERE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CURRENT REVISION.
- CONCRETE SHALL BE 3500 PSI FOR EXTERIOR STRUCTURES. REFER TO TABLE 101.C OF THE SPECIFICATIONS.
- REINFORCING STEEL SHALL CONFORM TO ASTM A-615 GRADE 60.
- THE TOP 6 INCHES OF THE FOUNDATION PEDESTAL SHALL BE FORMED TO THE DIMENSIONS SHOWN ON THIS SHEET TO FORM NEAT LINES. CONCRETE BELOW 6 INCHES MAY BE CAST AGAINST THE EARTH.
- THE CONCRETE SHALL GAIN 80% OF THE DESIGN STRENGTH PRIOR TO INSTALLING THE TRAFFIC SIGNAL MASTARM OR PEDESTAL POLE.
- ALL FOUNDATIONS SHALL INCLUDE COPPERWELD GROUND RODS. ALL GROUND RODS SHALL BE 3/4" DIA X 10'-0" AND WILL BE CONSIDERED INCIDENTAL TO THE FOUNDATIONS BID ITEMS.
- ALL FOUNDATIONS SHALL BE STAMPED EITHER "A" OR "B" TO SHOW TYPE CONSTRUCTED (SEE STAMP DETAIL).

**HIGH MESA Consulting Group**  
FORMERLY JEFF MORTENSEN AND ASSOCIATES, INC.  
4010-B MIDWAY PARK BLVD. NE • ALBUQUERQUE, NEW MEXICO 87109  
PHONE: 505.345.4250 • FAX: 505.345.4254 • www.highmesacg.com  
2006.180.7

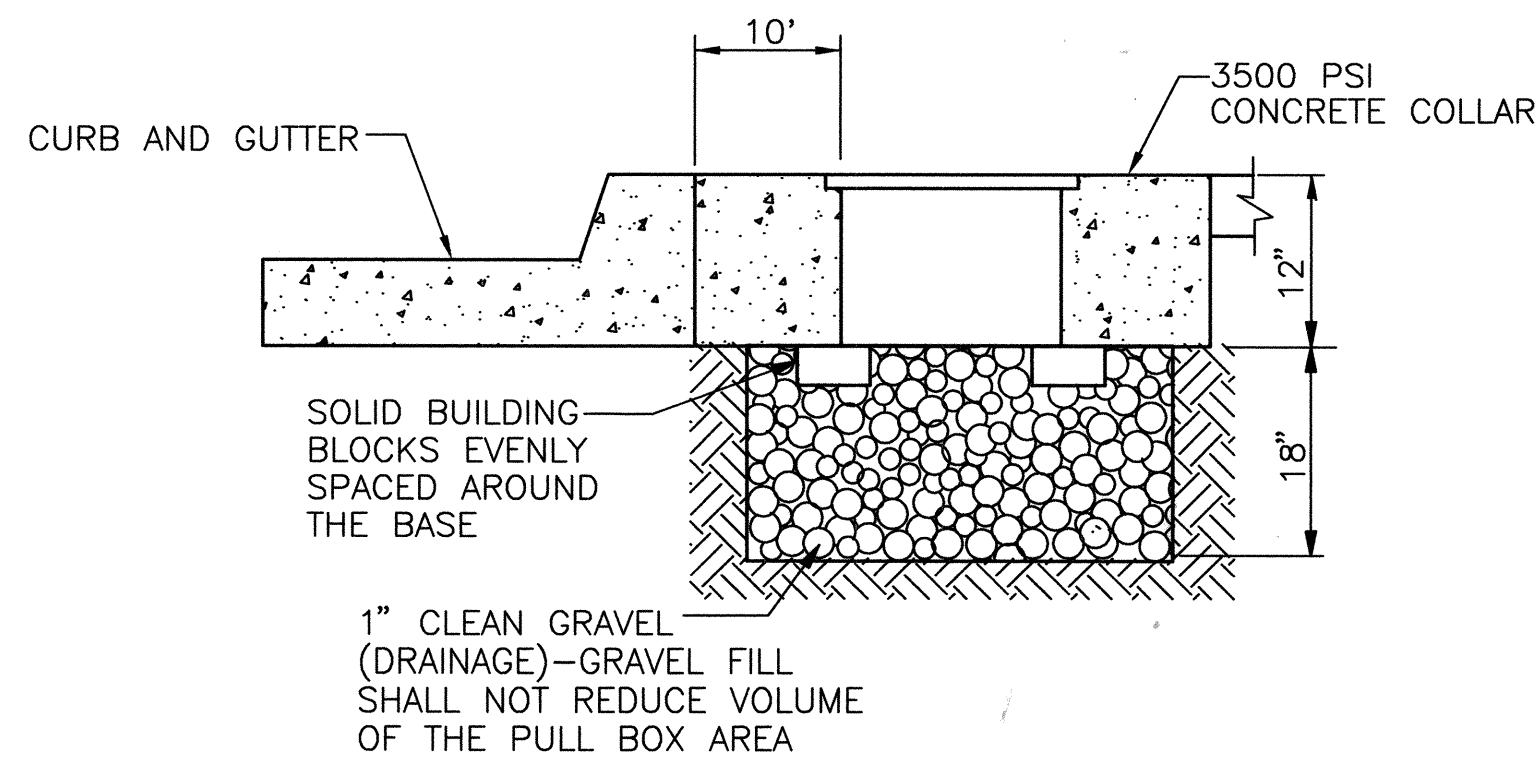
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: FOUNDATION DETAILS, TYPE II AND TYPE III STANDARDS SOUTHWEST ELEMENTARY SCHOOL PUBLIC INFRASTRUCTURE			
Design Review Committee APPROVE DEC 22 2008 DESIGN REVIEW COMMITTEE	City Engineer Approval APPROVE FEB 06 2009 CITY ENGINEER	Last Design Update	Ms./Dm./Yr.
City Project No. 709183	Zone Map No. L-9	Sheet 15	Of 19

**RECORD DRAWING**

AS BUILT INFORMATION		CONTRACTOR		DATE	
ALB. A-E-H-T-H		HMC		04-09	
BEACH MARKS		WORK BY		DATE	
ACS 3 1/4" ALUMINUM CAP STAMPED "21-18" SET FLUSH ON THE TOP OF CONCRETE CURB IN THE WEST MEDIAN		HMC		04-09	
SURVEY INFORMATION		NOSE AT THE INTERSECTION OF TOWER ROAD S.W. AND 86TH STREET S.W. STATION IS LOCATED 4.9 FEET NORTH OF CENTERLINE OF TOWER ROAD S.W. AND 40.7 FEET WEST OF 86TH STREET S.W.		DATE	
FELD NOTES		HMC		04-09	
NO.		2005.180.4		DATE	
DATE		07-31-06		DATE	
BY		HMC		DATE	
REVISIONS		DESIGN		DATE	
DESIGNED BY		C.D.A.		DATE	
DRAWN BY		J.Y.R.		DATE	
CHECKED BY		J.C.M.		DATE	

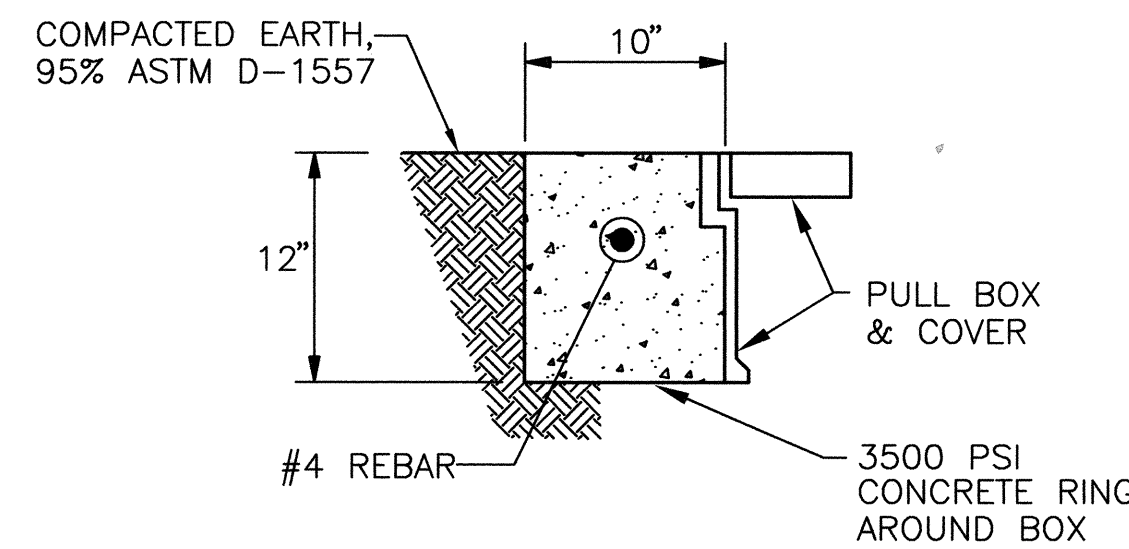
ENGINEER'S SEAL		DATE	
05-22-2009		09-12-2008	
REVISIONS		DATE	
DESIGN		DATE	



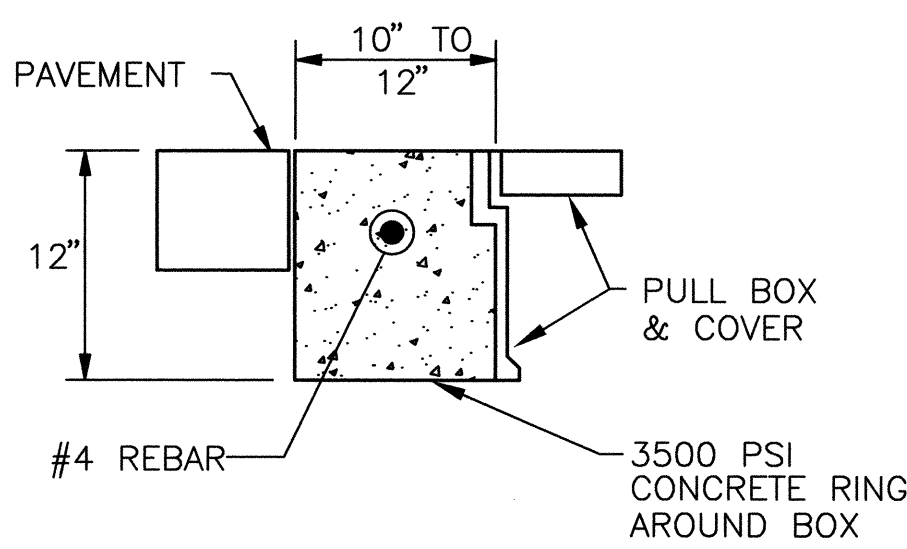


TYPICAL PULL BOX INSTALLATION

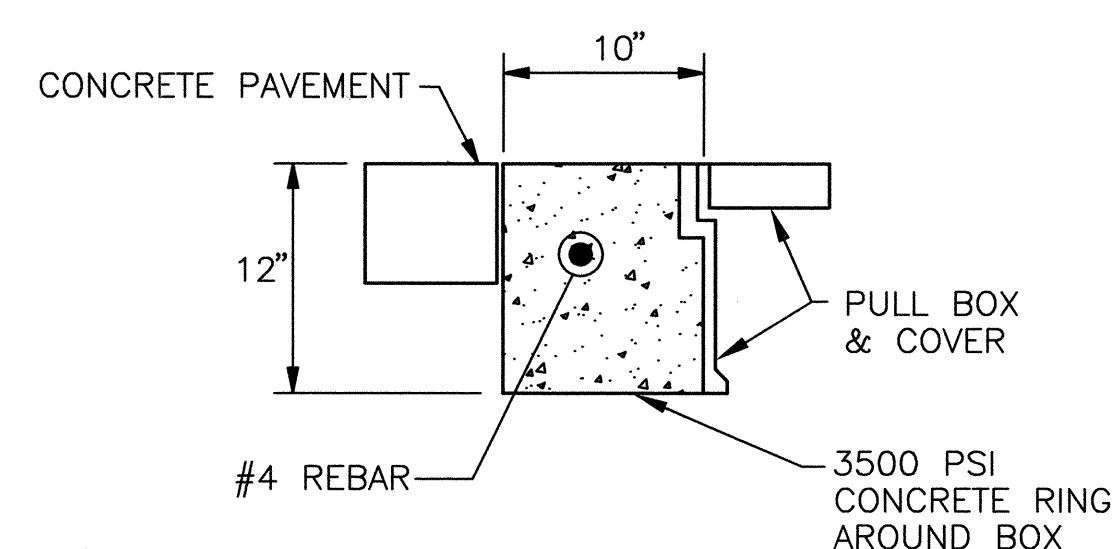
NOTE: SEE "CONCRETE COLLAR DETAIL" AT RIGHT



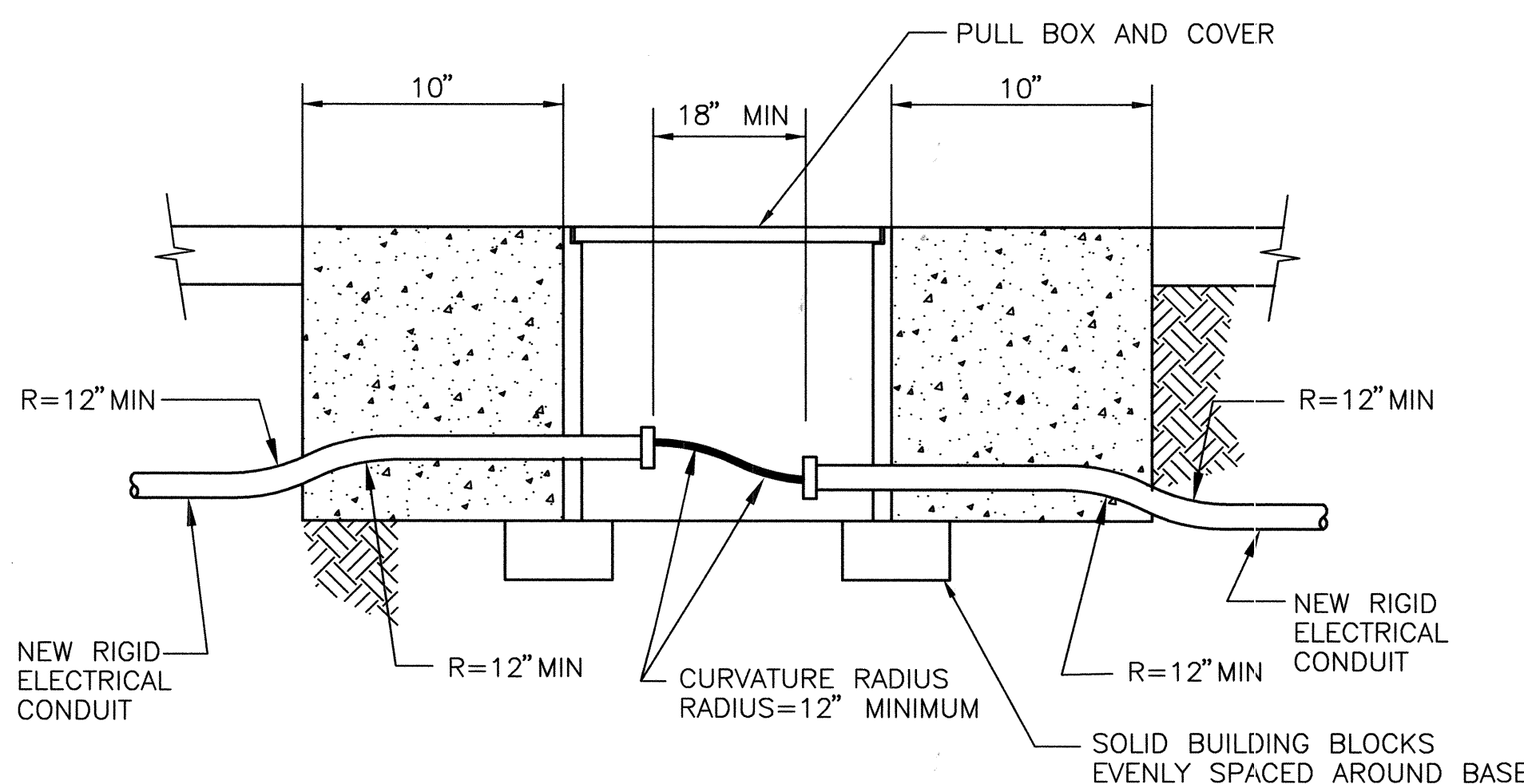
IN COMPACTED EARTH



IN ASPHALT PAVEMENTS

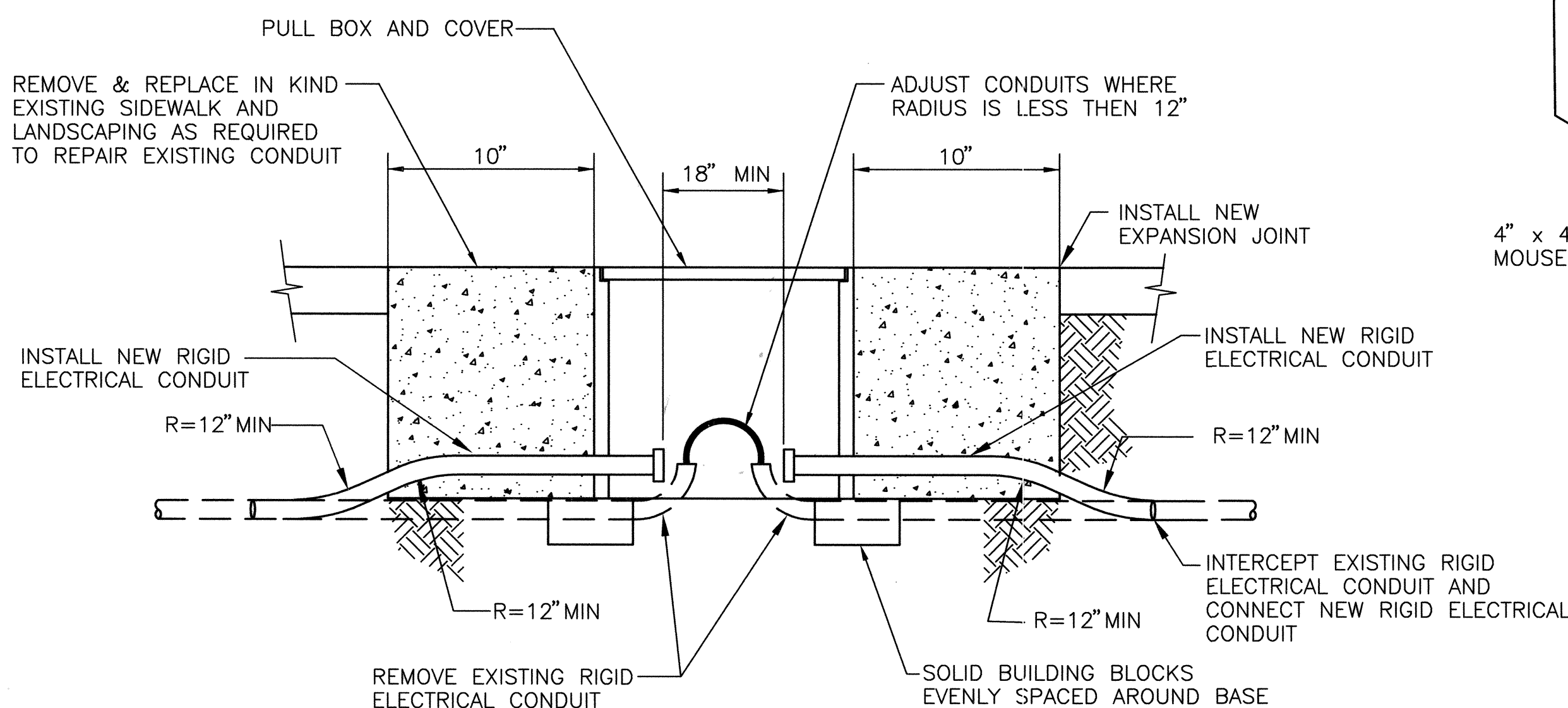


IN CONCRETE PAVEMENTS



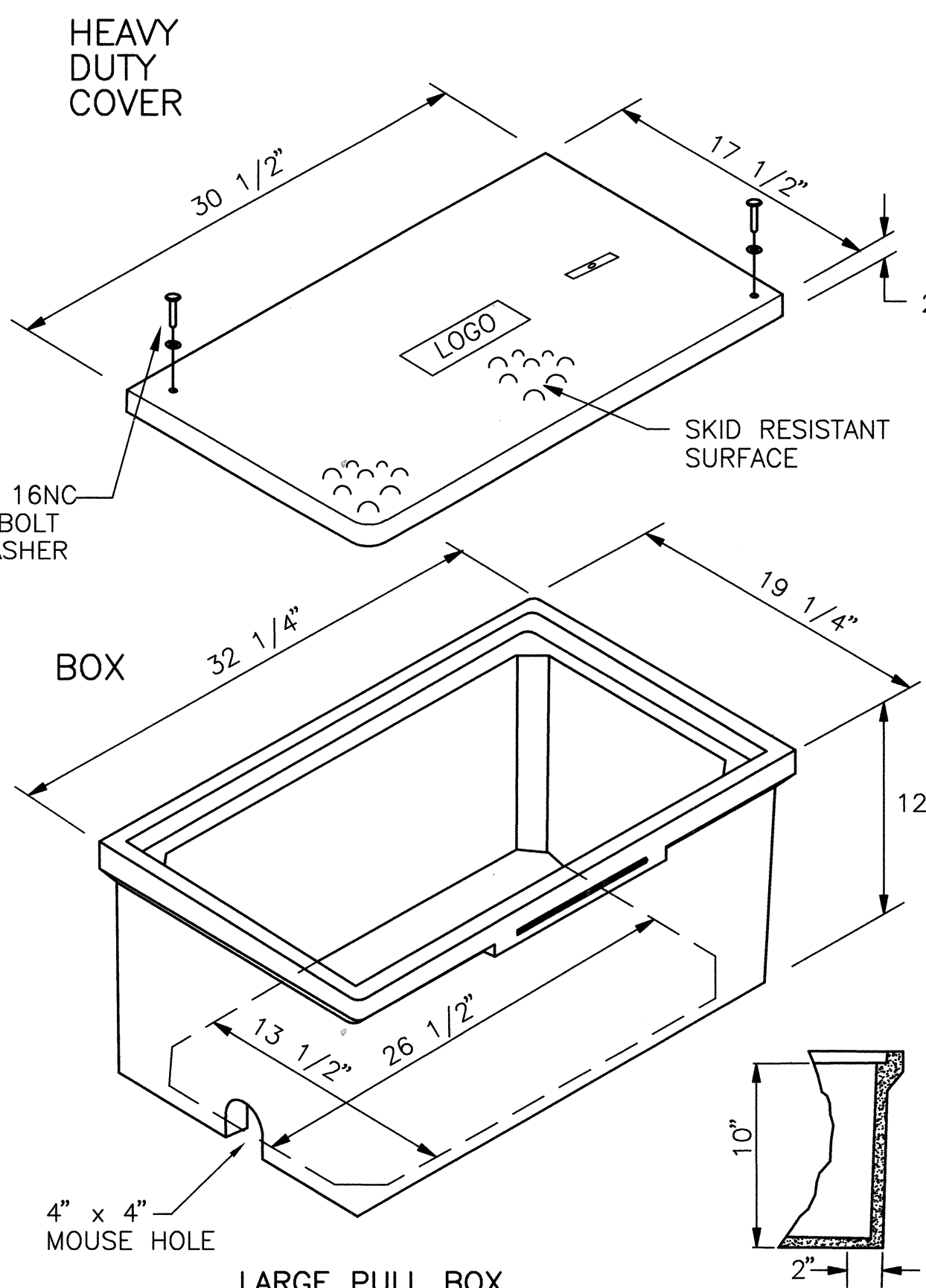
TRAFFIC SIGNAL PULL BOX (TYPICAL)

NEW CONDUIT INSTALLATION

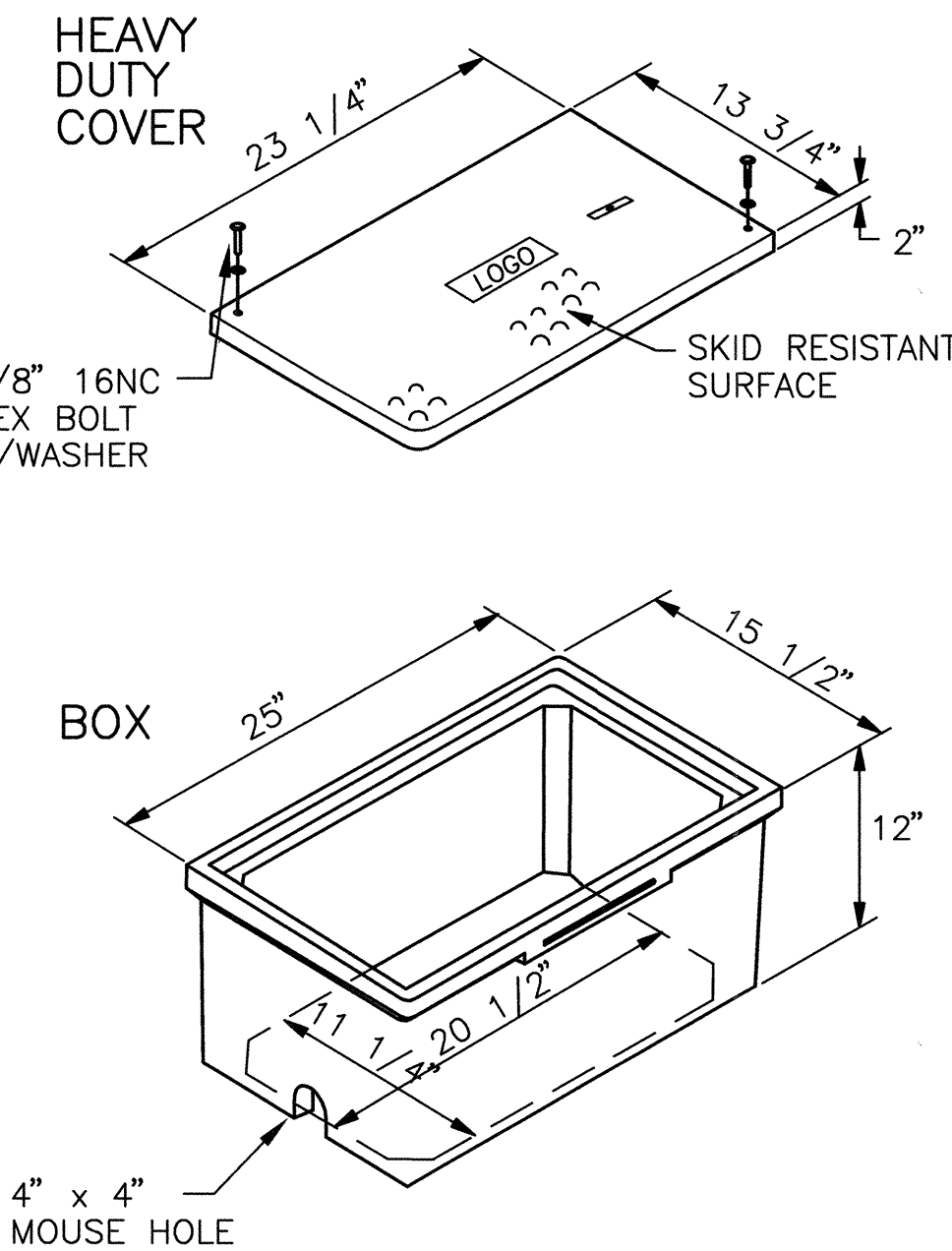


TRAFFIC SIGNAL PULL BOX (TYPICAL)

RETROFIT INSTALLATION



LARGE PULL BOX



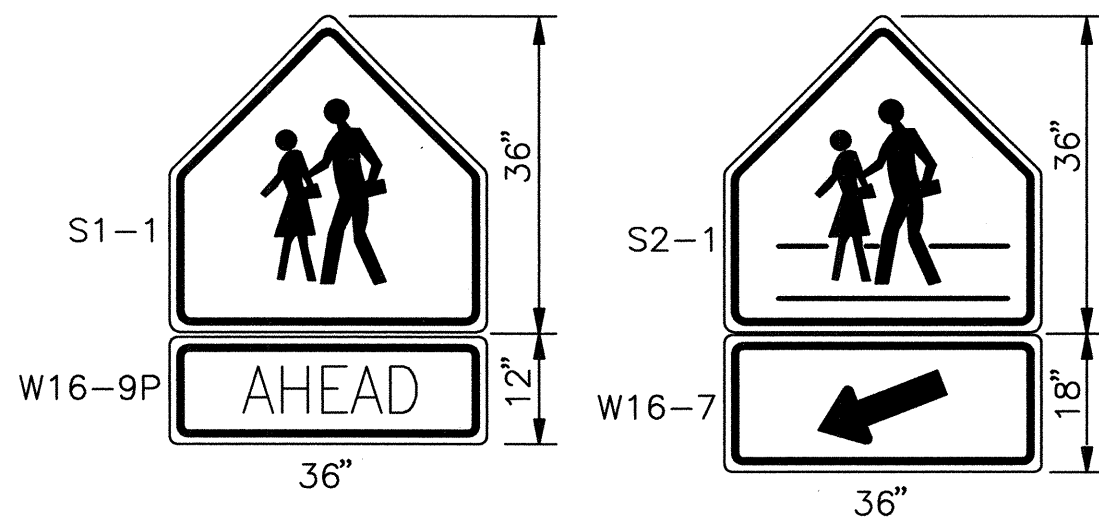
STANDARD PULL BOX

PULL BOX DETAILS

NOTES FOR HEAVY DUTY REINFORCED POLYMER MORTAR PULL BOX AND COVERS

1. MATERIAL TO BE AN AGGREGATE CONSISTING OF SAND AND GRAVEL BOUND TOGETHER WITH A POLYMER AND REINFORCED WITH HEAVY - WEAVE FIBERGLASS. THE MATERIAL MUST HAVE THE FOLLOWING MECHANICAL PROPERTIES: COMPRESSIVE STRENGTH - 11,000 PSI, TENSILE STRENGTH - 1,700 PSI, FLEXURAL STRENGTH - 7,500 PSI.
2. ALL PULL BOX COVERS SHALL BE HEAVY DUTY REINFORCED POLYMER MORTAR, HAVING A SERVICE LOAD OF 22,568 LBS OVER 10" SQUARE (225 PSI).
3. PULL BOX TYPE AND LOGO SHALL BE APPROVED BY THE PROJECT MANAGER.
4. THE DIMENSIONS OF THE PULL BOXES SHOWN ARE NOMINAL DIMENSIONS AND MAY VARY AS TO THE MANUFACTURER'S RECOMMENDATIONS. ALL DIMENSIONS SHALL BE VERIFIED BY THE PROJECT MANAGER.
5. ELECTRICAL PULL BOX (STANDARD) SHALL BE A HEAVY DUTY REINFORCED POLYMER MORTAR PULL BOX AND COVER MEASURING 13 3/4" x 23 1/4" x 2".

RECORD DRAWING



COLORS

- LEGEND:
- BLACK (NON-REFLECTIVE)
  - TOP PANEL: FLORESCENT YELLOW GREEN / VISUAL IMPACT (VIP)
  - BOTTOM PANEL: FLORESCENT YELLOW GREEN / VIP
  - OUTSIDE BORDER: SAME AS PANEL BACKGROUND
  - INSIDE BORDER: BLACK

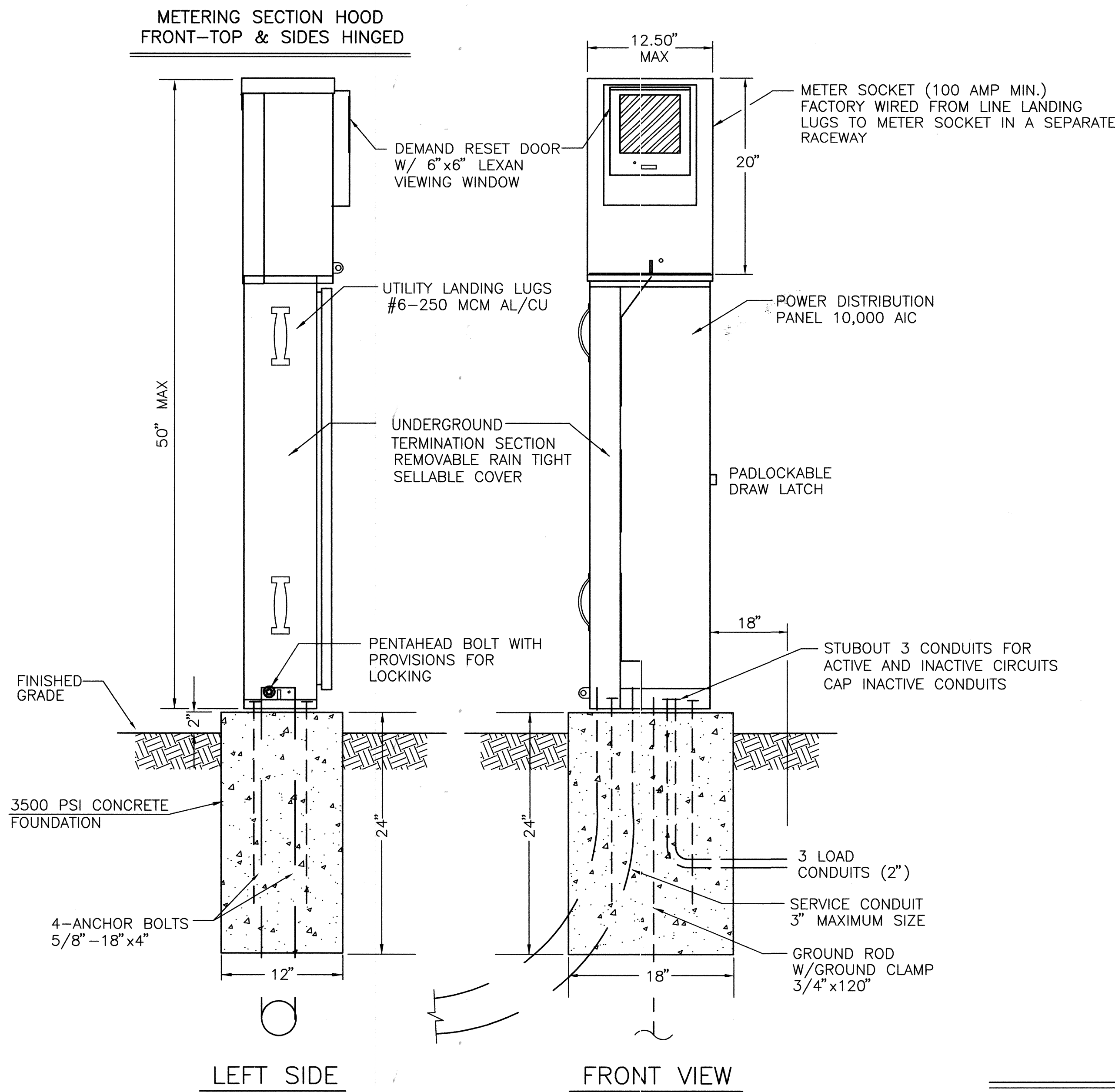
SCHOOL SIGN DETAILS

**HIGH MESA Consulting Group**  
FORMERLY JEFF MORTENSEN AND ASSOCIATES, INC.  
4010-B MIDWAY PARK BLVD. NE • ALBUQUERQUE, NEW MEXICO 87109  
PHONE: 505.345.4250 • FAX: 505.345.4254 • www.highmesacg.com  
2006.180.7

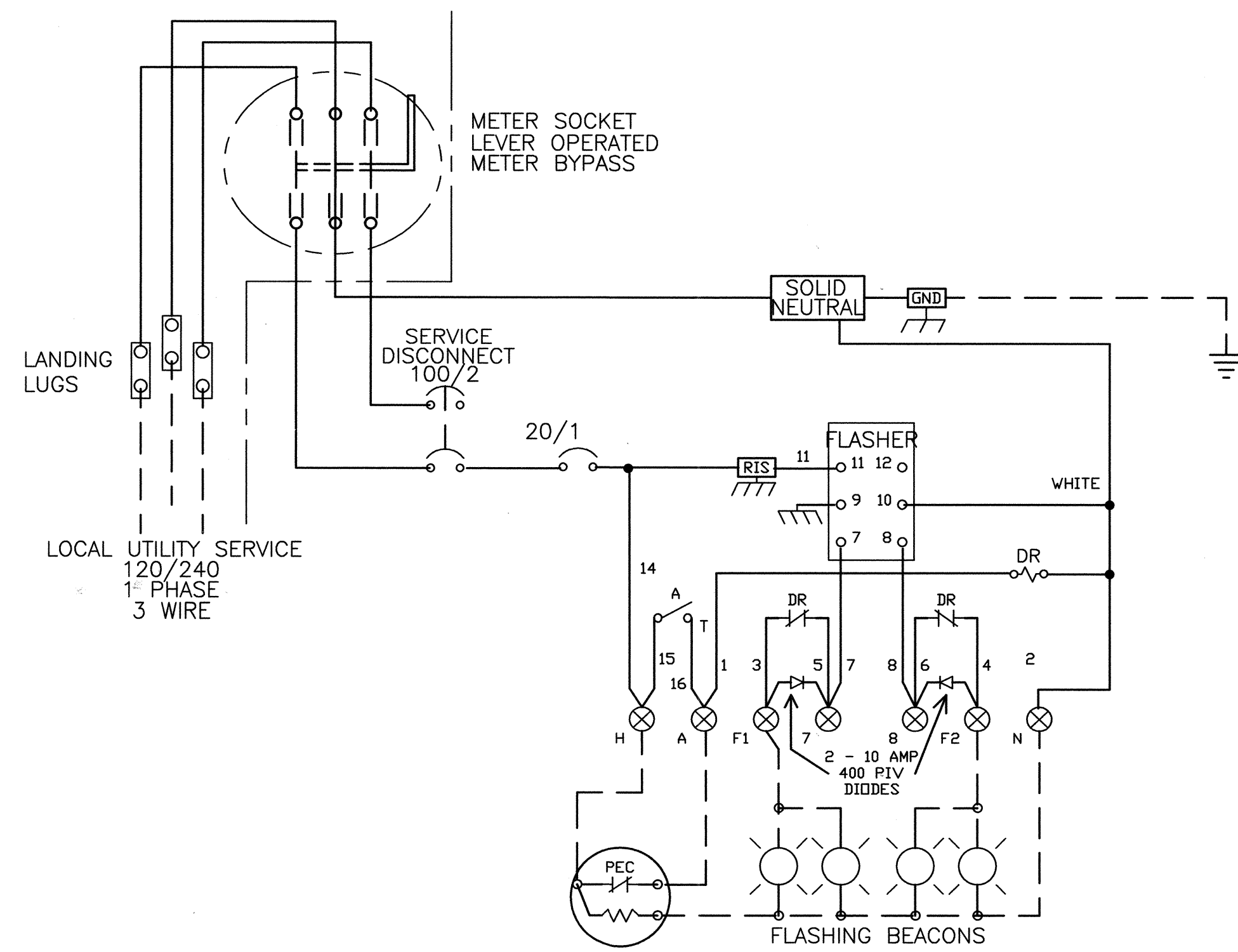
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP	
TITLE: <b>TRAFFIC SIGNAL PULL BOX AND SCHOOL SIGN DETAILS</b> <b>SOUTHWEST ELEMENTARY SCHOOL</b> <b>PUBLIC INFRASTRUCTURE</b>	
Design Review Committee <b>APPROVE</b> DEC 22 2008 DESIGN REVIEW COMMITTEE	City Engineer Approval <b>APPROVE</b> FEB 06 2009 CITY ENGINEER
City Project No. 709183	Zone Map No. L-9
Sheet 16	Of 19

AS BUILT INFORMATION	
CONTRACTOR: <b>Alb. Asphalt</b>	DATE: <b>4.09</b>
WORK BY: <b>HMC</b>	DATE: <b>5.09</b>
INSPECTION BY: <b>K. J. E.</b>	DATE: <b>5.09</b>
REVISIONS BY: <b>H.M.C.G.</b>	DATE: <b>5.09</b>
CORRECTED BY: <b>H.M.C.G.</b>	DATE: <b>5.09</b>
MICRO-FILM INFORMATION	
RECORDED BY: <b>H.M.C.G.</b>	DATE: <b>5.09</b>
BENCH MARKS	
ACS 3 1/4" ALUMINUM CAP STAMPED "21-19" SET FLUSH ON THE TOP OF CONCRETE CURB IN THE WEST MEDIAN NOSE AT THE INTERSECTION OF TOWER ROAD S.W. AND 86TH STREET S.W. STATION IS LOCATED 4.9 FEET NORTH OF CENTERLINE OF TOWER ROAD S.W. AND 40.7 FEET WEST OF 86TH STREET S.W.	ELEVATION = 5103.681 FEET (NVD 1929)
SURVEY INFORMATION	
DATE: <b>07-31-06</b>	BY: <b>HMC</b>
NO. <b>2006.180.4</b>	
ENGINEER'S SEAL	
05.22.2009	
07.10.1008	
REVISIONS	
NO. <b>1</b>	DATE: <b>07-2008</b>
DESIGNED BY: <b>C.D.A.</b>	DATE: <b>07-2008</b>
DRAWN BY: <b>J.Y.R.</b>	DATE: <b>08-2008</b>
CHECKED BY: <b>J.G.M.</b>	





**METER PEDESTAL DETAILS**  
NO SCALE



**SERVICE EQUIPMENT  
WIRING DIAGRAM "WB-M"**

**METER PEDESTAL CONSTRUCTION NOTES**

- METER PEDESTAL SHALL BE UL LISTED "INDUSTRIAL CONTROL PANEL" PER UL 508.
- METER PEDESTAL SHALL MEET THE ELECTRIC UTILITY SERVICE EQUIPMENT REQUIREMENTS COMMITTEE (EUSERC) GUIDELINES.
- METER PEDESTAL CONSTRUCTION SHALL BE NEMA 3R AND 12, RAIN TIGHT AND DUST TIGHT. ELECTRICALLY WELDED AND REINFORCED WHERE REQUIRED.
- ALL NUTS, BOLTS, SCREWS AND HINGES SHALL BE STAINLESS STEEL.
- NUTS, BOLTS, AND SCREWS SHALL NOT BE VISIBLE FROM OUTSIDE OF METER PEDESTAL.
- PHENOLIC NAME PLATES SHALL BE PROVIDED AS REQUIRED.
- CIRCUIT BREAKERS SHALL BE CABLE IN-CABLE OUT WITH LINE ON TOP & LOAD ON THE BOTTOM. HANDLE POSITION UP="ON", MIDDLE="TRIPPED", DOWN="OFF".
- A PLASTIC COVERED WIRING DIAGRAM SHALL BE ATTACHED TO THE INSIDE OF THE FRONT DOOR.
- METER PEDESTAL SHALL BE FACTORY WIRED AND CONFORM TO REQUIRED NEMA STANDARDS.
- ALL POWDER COATED METER PEDESTALS SHALL HAVE A CORROSION RESISTANT COATING WHICH INCLUDES A FIVE STEP DIP TANK METAL PREPARATION PROCESS:  
A. ALKALINE CLEANER 160° F.  
B. CLEAR WATER RINSE.  
C. IRON PHOSPHATE APPLICATION 150°.  
D. CLEAR WATER RINSE.  
E. INHIBITIVE RINSE TO SEAL PHOSPHATED SURFACES 120°.  
FINISHED WITH AN ELECTROSTATICALLY APPLIED DRY POLYESTER POWDER COATING THEN BAKED @ 380° TO CURE.
- CONCRETE FOUNDATIONS INCLUDING EXCAVATION, BACKFILL COMPACTED @ 95% ASTM D-1557, CONCRETE, AND ANCHOR BOLTS, COMPLETE-IN PLACE, SHALL BE CONSIDERED INCIDENTAL TO THE METER PEDESTAL.

**CONSTRUCTION MATERIALS AND FINISH**

<input type="checkbox"/>	12 GA HD GALVANIZED SHEET STEEL
<input type="checkbox"/>	POWDER COATED
<input checked="" type="checkbox"/>	14 GA #304D STAINLESS STEEL SHEET
<input checked="" type="checkbox"/>	POWDER COATED COLOR:
<input type="checkbox"/>	NATURAL
<input type="checkbox"/>	0.125" ALUMINUM SHEET
<input type="checkbox"/>	POWDER COATED COLOR:
<input type="checkbox"/>	ANODIZED

**POWDER COAT COLORS**

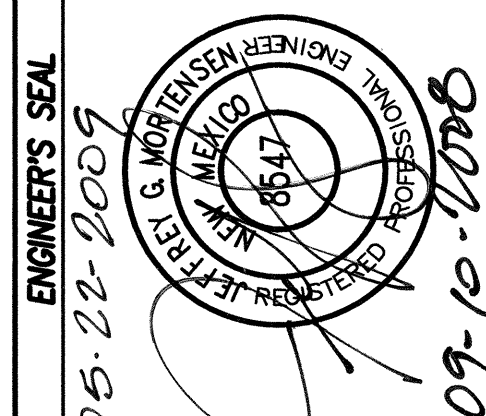
<input checked="" type="checkbox"/> WHITE	<input type="checkbox"/> RANCH GREEN
<input type="checkbox"/> MINT GREEN	<input type="checkbox"/> OTHER _____
<input type="checkbox"/> CAMEL	

**HIGH MESA Consulting Group**  
FORMERLY JEFF MORTENSEN AND ASSOCIATES, INC.  
6010-8 MIDWAY PARK BLVD. NE • ALBUQUERQUE, NEW MEXICO 87109  
PHONE: 505.345.4250 • FAX: 505.345.4254 • www.highmesacg.com  
**2006.180.7**

CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DEVELOPMENT GROUP

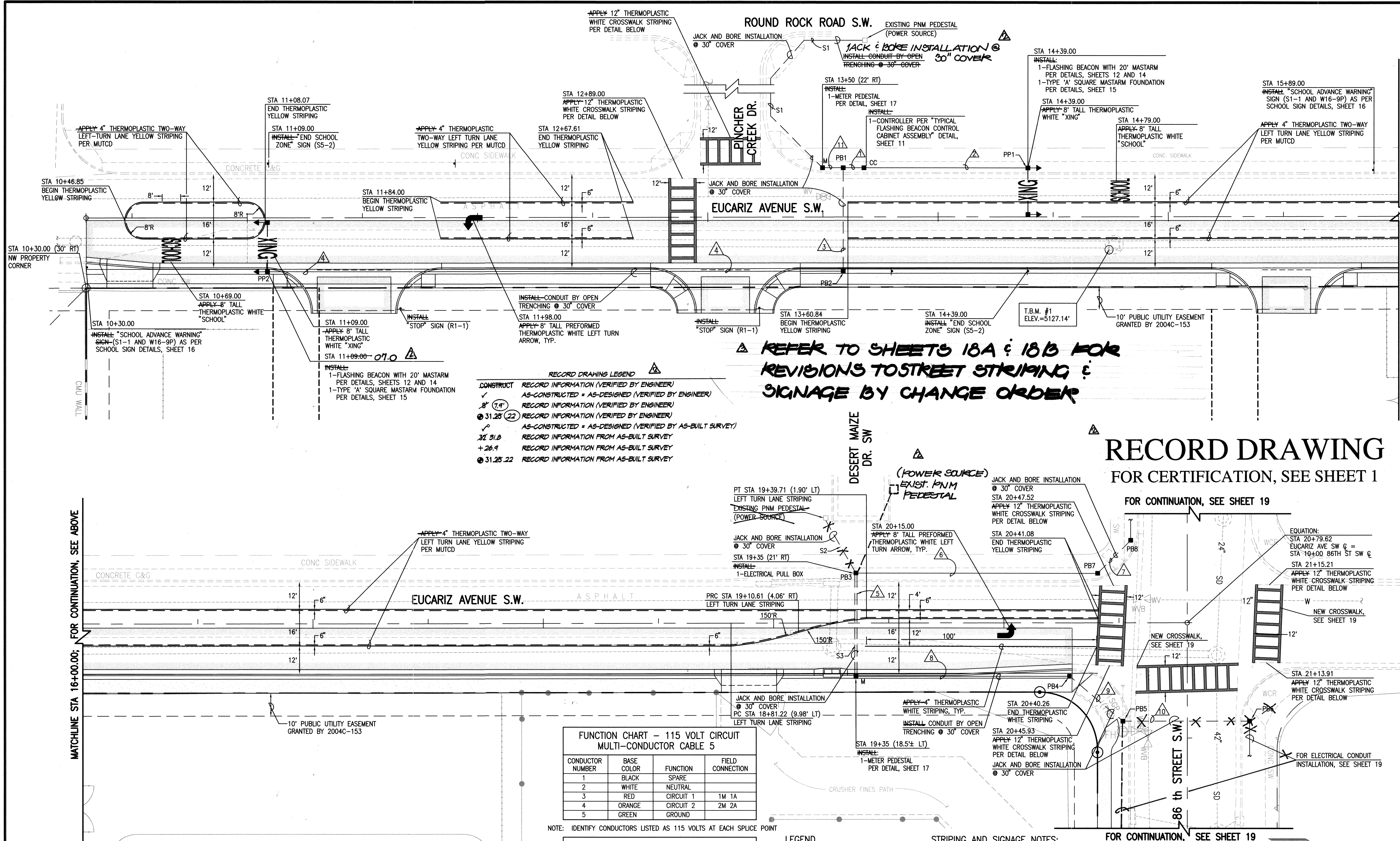
TITLE: **METER PEDESTAL DETAILS  
SOUTHWEST ELEMENTARY SCHOOL  
PUBLIC INFRASTRUCTURE**

Design Review Committee <b>APPROVE</b> DEC 22 2008 DESIGN REVIEW COMMITTEE	City Engineer Approval <b>APPROVE</b> FEB 06 2009 CITY ENGINEER	Zone Map No. L-9	Sheet 17	Of 19
City Project No. 709183	Designed By C.D.A.	Drawn By J.Y.R.	Checked By J.G.M.	Date 07-2008



REVISIONS	DATE	BY
1. RECORD DWG. 1. CHECKED	05-22-2009	J.M.
2. DESIGN		





**RECORD DRAWING LEGEND**

CONSTRUCT	RECORD INFORMATION (VERIFIED BY ENGINEER)
✓	AS-CONSTRUCTED = AS-DESIGNED (VERIFIED BY ENGINEER)
7.9	RECORD INFORMATION (VERIFIED BY ENGINEER)
31.25	RECORD INFORMATION (VERIFIED BY ENGINEER)
✓	AS-CONSTRUCTED = AS-DESIGNED (VERIFIED BY AS-BUILT SURVEY)
31.2	RECORD INFORMATION FROM AS-BUILT SURVEY
+26.9	RECORD INFORMATION FROM AS-BUILT SURVEY
31.25.22	RECORD INFORMATION FROM AS-BUILT SURVEY

**FUNCTION CHART - 115 VOLT CIRCUIT MULTI-CONDUCTOR CABLE 5**

CONDUCTOR NUMBER	BASE COLOR	FUNCTION	FIELD CONNECTION
1	BLACK	SPARE	
2	WHITE	NEUTRAL	
3	RED	CIRCUIT 1	1M 1A
4	ORANGE	CIRCUIT 2	2M 2A
5	GREEN	GROUND	

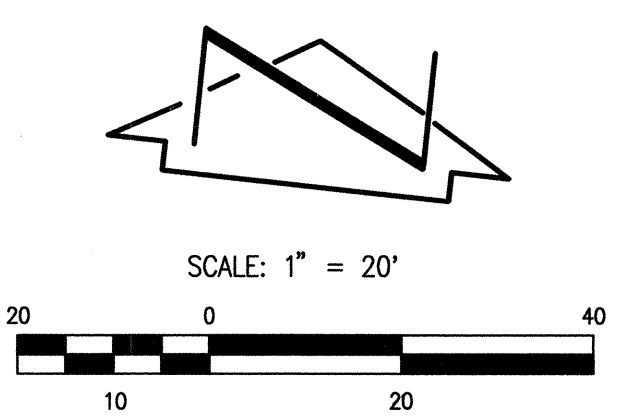
NOTE: IDENTIFY CONDUCTORS LISTED AS 115 VOLTS AT EACH SPLICE POINT

**CONDUIT AND CONDUCTOR REQUIREMENTS**

RUN ID	LENGTH	TYPE	REMARKS	MCC5	SCCG
S1	160'	REC	POWER TO M	1 @ 165'	
S2	30'	REC	POWER TO PB3	1 @ 35'	
S3	45'	REC	PB3 TO M	1 @ 50'	
1	10'	REC	PB1 TO CC	1 @ 15'	
2	70'	REC	CC TO PP1	1 @ 75'	
3	45'	REC	PB1 TO PB2	1 @ 45'	
4	250'	REC	PB2 TO PP2	1 @ 255'	
5	45'	REC	M TO PB3	1 @ 50'	
6	105'	REC	PB3 TO PB7	1 @ 115'	
7	20'	REC	PB7 TO PB8	1 @ 25'	
8	93'	REC	M TO PB4	1 @ 98'	
9	30'	REC	PB4 TO PB5	1 @ 35'	
10	55'	REC	PB5 TO PB6	1 @ 60'	
11	9'	REC	M TO PB1	1 @ 14'	
TOTAL	967'			787'	250'

**LEGEND**

CC CONTROLLER CABINET  
PB PULL BOX  
M ELECTRIC METER  
PP PEDESTAL POLE  
1M HORIZONTAL TRAFFIC SIGNAL ASSEMBLY  
1A VERTICAL TRAFFIC SIGNAL ASSEMBLY  
MCC MULTI-CONDUCTOR CABLE  
SCC SINGLE CONDUCTOR CABLE  
REC RIGID ELECTRICAL CONDUIT



**STRIPING AND SIGNAGE NOTES:**

- ALL PAVEMENT MARKINGS SHALL BE REFLECTIVE PLASTIC AND COMPLY WITH COA TRAFFIC OPERATIONS THIRD OPERATIONS THIRD DRAFT SPECIFICATIONS AND CONTRACT LISTING AND THE M.U.T.C.D. (LATEST EDITION).
- ALL TRAFFIC SIGNS SHALL COMPLY WITH THE M.U.T.C.D. (LATEST EDITION).
- CONTRACTOR SHALL OBLITERATE ALL EXISTING PAVEMENT MARKINGS WITHIN PROJECT LIMITS PER SECTION 443 OF THE THIRD DRAFT SPECIFICATIONS AND CONTRACT ITEM LISTING BY COA TRAFFIC ENGINEERING OPERATIONS, JUNE 1994, PRIOR TO INSTALLATION OF NEW MARKINGS.
- BROKEN LANE STRIPES SHALL BE 10 FEET IN LENGTH WITH 30 FOOT GAPS.
- ALL PAVEMENT MARKINGS AND SIGNAGE SHALL BE INSTALLED PRIOR TO FINAL ACCEPTANCE OF PROJECT.
- STATIONING SHOWN HEREON IS BASED UPON STREET CENTERLINE.
- CONTRACTOR MUST REVIEW STRIPING AND SIGNAGE LAYOUT WITH CITY OF ALBUQUERQUE TRAFFIC ENGINEERING DIVISION PRIOR TO INSTALLATION.

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

FOR CONTINUATION, SEE SHEET 19

FOR CONTINUATION, SEE SHEET 19

**HIGH MESA Consulting Group**  
FORMERLY JEFF MORITSEN AND ASSOCIATES, INC.  
6010-B MIDWAY PARK BLVD. NE • ALBUQUERQUE, NEW MEXICO 87109  
PHONE: 505.345.4250 • FAX: 505.345.4254 • www.highmesacg.com  
2006.180.7

CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DEVELOPMENT GROUP

TITLE: EUCARIZ AVENUE S.W. FLASHING BEACON, STRIPING & SIGNAGE PLAN  
SOUTHWEST ELEMENTARY SCHOOL  
PUBLIC INFRASTRUCTURE

Design Review Committee: APPROVED DEC 22 2008  
City Engineer Approval: FEB 06 2009  
CITY ENGINEER

City Project No. 709183  
Zone Map No. L-9  
Sheet 18 of 19

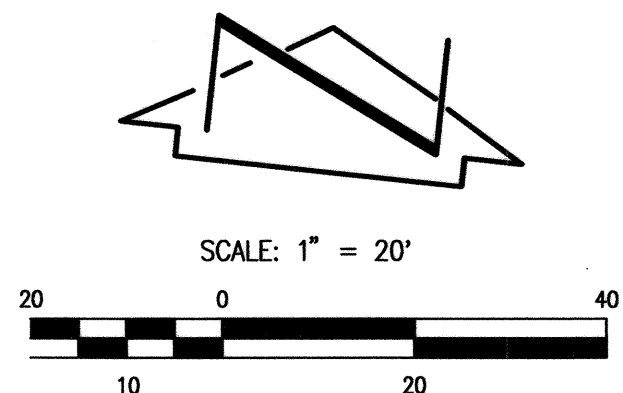
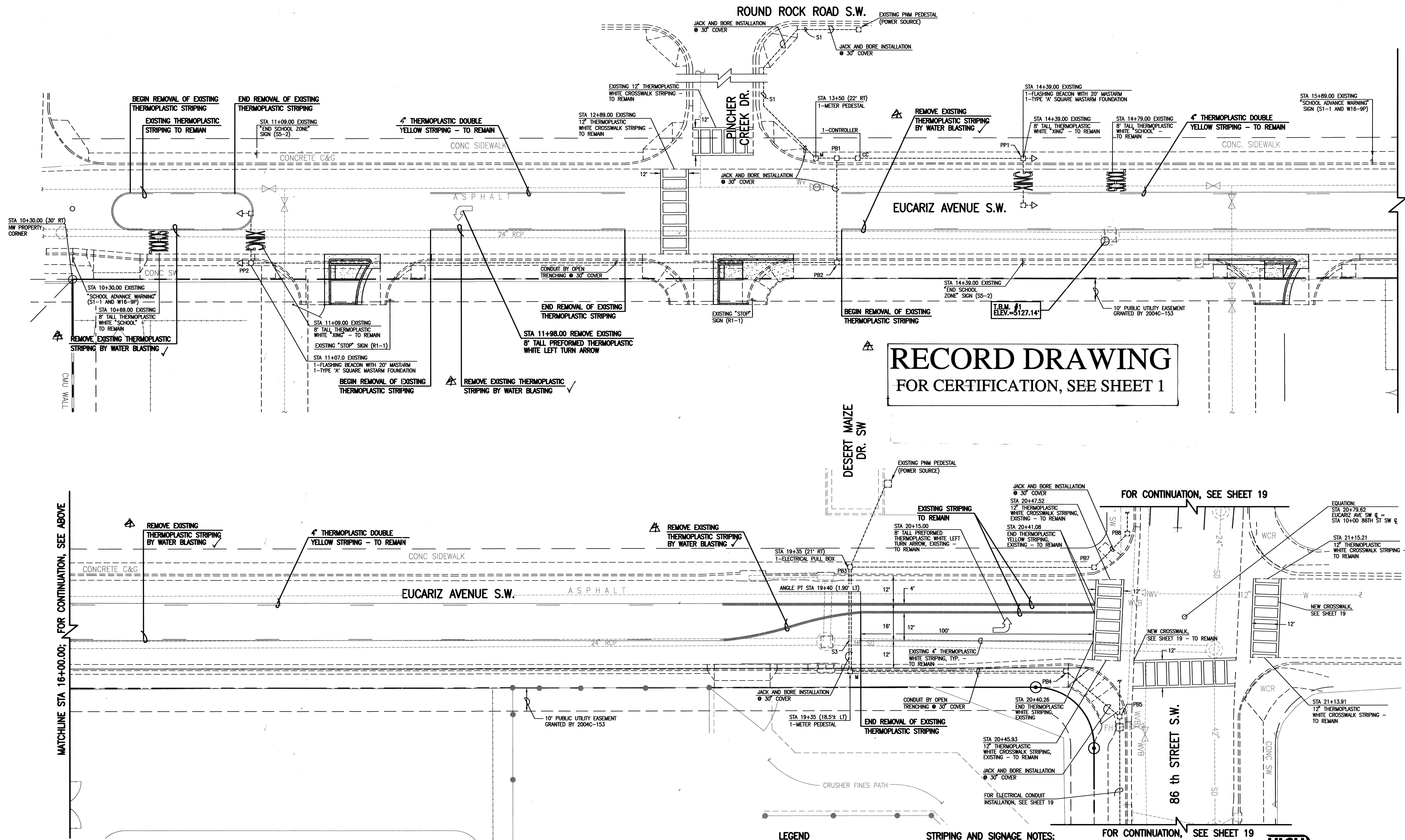
**AS BUILT INFORMATION**  
CONTRACTOR: ALB. ASPHALT  
DATE: 4-09  
WORK BY: HMCG  
DATE: 5-09  
REVISIONS: NONE  
DATE: 5-09  
DRAWINGS: HMCG  
DATE: 5-09  
CORRECTED BY: HMCG  
DATE: 5-09  
MICRO-FILM INFORMATION  
RECORDED BY: HMCG  
DATE: 5-09  
ELEVATION: 5103.681 FEET (NGVD 1929)

**REVISIONS**

NO.	DATE	BY	REVISIONS
1	05-22-2009	JM	CHANGE ORDER
2	12-07-2009	JM	RECORD Dwg. 18A
3	05-09-2009	JM	RECORD Dwg. 18B

DESIGN: J.D.S.  
Date: 07-2008  
Drawn By: JYP/JFA/JLP  
Date: 08-2008  
Checked By: J.D.S.  
Date: 08-2008





**LEGEND**

CC	CONTROLLER CABINET
PB	PULL BOX
M	ELECTRIC METER
PP	PEDESTAL POLE
1M	HORIZONTAL TRAFFIC SIGNAL ASSEMBLY
1A	VERTICAL TRAFFIC SIGNAL ASSEMBLY
MCC	MULTI CONTROL CABLE
SCC	SINGLE CONDUCTOR CABLE
REC	RIGID ELECTRICAL CONDUIT

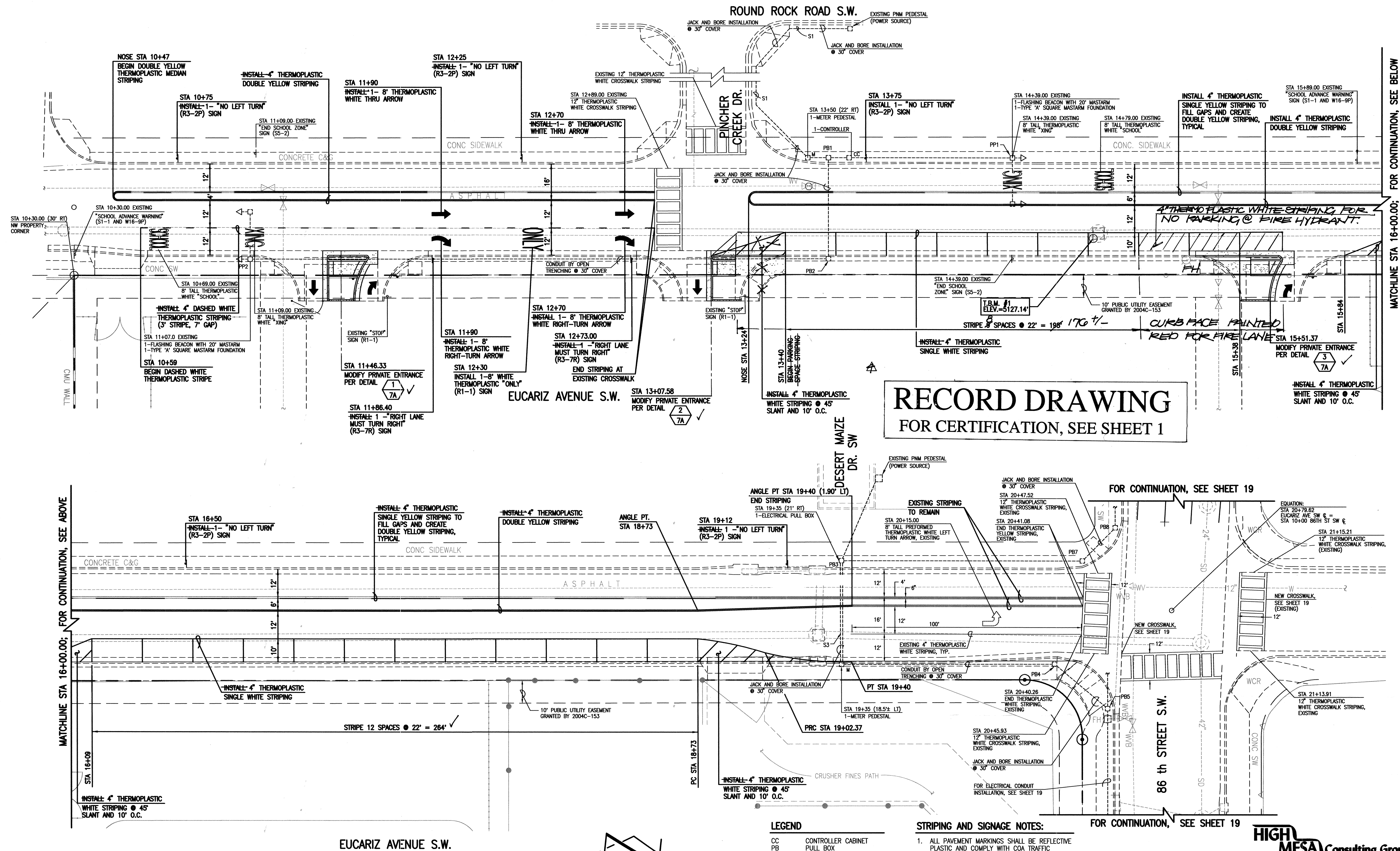
- STRIPING AND SIGNAGE NOTES:**
- ALL PAVEMENT MARKINGS SHALL BE REFLECTIVE PLASTIC AND COMPLY WITH COA TRAFFIC OPERATIONS THIRD OPERATIONS THIRD DRAFT SPECIFICATIONS AND CONTRACT LISTING AND THE M.U.T.C.D. (LATEST EDITION).
  - ALL TRAFFIC SIGNS SHALL COMPLY WITH THE M.U.T.C.D. (LATEST EDITION).
  - CONTRACTOR SHALL OBLITERATE ALL EXISTING PAVEMENT MARKINGS WITHIN PROJECT LIMITS PER SECTION 44.3 OF THE THIRD DRAFT SPECIFICATIONS AND CONTRACT ITEM LISTING BY COA TRAFFIC ENGINEERING OPERATIONS, JUNE 1994, PRIOR TO INSTALLATION OF NEW MARKINGS.
  - BROKEN LANE STRIPES SHALL BE 10 FEET IN LENGTH WITH 30 FOOT GAPS.
  - ALL PAVEMENT MARKINGS AND SIGNAGE SHALL BE INSTALLED PRIOR TO FINAL ACCEPTANCE OF PROJECT.
  - STATIONING SHOWN HEREON IS BASED UPON STREET CENTERLINE.
  - CONTRACTOR MUST REVIEW STRIPING AND SIGNAGE LAYOUT WITH CITY OF ALBUQUERQUE TRAFFIC ENGINEERING DIVISION PRIOR TO INSTALLATION.

**HIGH MESA Consulting Group**  
FORMERLY JEFF MORTENSEN AND ASSOCIATES, INC.  
6010-8 MIDWAY PARK BLVD. NE • ALBUQUERQUE, NEW MEXICO 87109  
PHONE: 505.345.4250 • FAX: 505.345.4254 • www.hghmesa.com  
**2006.180.7**

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP	
TITLE: <b>EUCARIZ AVENUE S.W. STRIPING ERADICATION PLAN SOUTHWEST ELEMENTARY SCHOOL PUBLIC INFRASTRUCTURE</b>	
Design Review Committee <b>APPROVE</b> DEC 08 2009 DESIGN REVIEW COMMITTEE	City Engineer Approval <b>APPROVE</b> DEC 08 2009 CITY ENGINEER
City Project No. <b>709183</b>	Zone Map No. <b>L-9</b>
Sheet <b>18A</b>	Of <b>19</b>

BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
ACG 3 1/4" ALUMINUM CAP STAMPED "21-19", SET FLUSH ON THE TOP OF CONCRETE CURB IN THE WEST MEDIAN NOSE AT THE INTERSECTION OF TOWER ROAD S.W. AND 86TH STREET S.W. STATION IS LOCATED 4.9 FEET NORTH OF CENTERLINE OF TOWER ROAD S.W. AND 40.7 FEET WEST OF 86TH STREET S.W.	DATE 2006.180.7	DATE 07-31-08	BY HMC	12-23-2009	12-03-2009
CONTRACTOR: <b>HMC</b>	DATE 2006.180.7				
DESIGNED BY: <b>CLM</b>	DATE 2006.180.7				
CHECKED BY: <b>HMC</b>	DATE 2006.180.7				
RECORDED BY: <b>HMC</b>	DATE 2006.180.7				
AS BUILT INFORMATION		MICRO-FILM INFORMATION			
CONTRACTOR: <b>HMC</b>		RECORDED BY: <b>HMC</b>			
DATE 2006.180.7		DATE 2006.180.7			



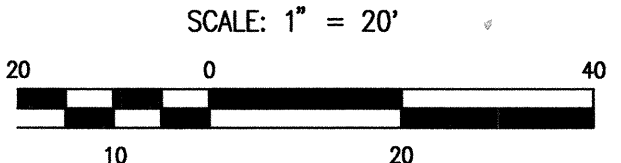


# **RECORD DRAWING** FOR CERTIFICATION, SEE SHEET 1

**LEGEND**

CC	CONTROLLER CABINET
PB	PULL BOX
M	ELECTRIC METER
PP	PEDESTAL POLE
1M	HORIZONTAL TRAFFIC SIGNAL ASSEMBLY
1A	VERTICAL TRAFFIC SIGNAL ASSEMBLY
MCC	MULTI CONTROL CABLE
SCC	SINGLE CONDUCTOR CABLE
REC	RIGID ELECTRICAL CONDUIT

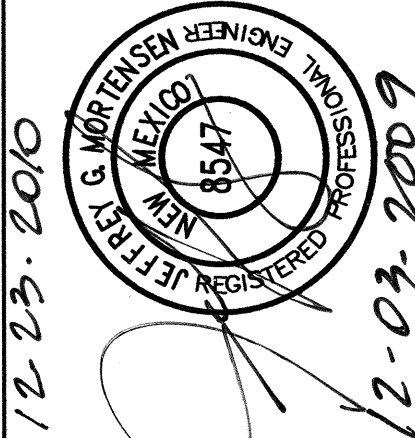
- STRIPING AND SIGNAGE NOTES:**
- ALL PAVEMENT MARKINGS SHALL BE REFLECTIVE PLASTIC AND COMPLY WITH COA TRAFFIC OPERATIONS THIRD OPERATIONS THIRD DRAFT SPECIFICATIONS AND CONTRACT LISTING AND THE M.U.T.C.D. (LATEST EDITION).
  - ALL TRAFFIC SIGNS SHALL COMPLY WITH THE M.U.T.C.D. (LATEST EDITION).
  - CONTRACTOR SHALL OBLITERATE ALL EXISTING PAVEMENT MARKINGS WITHIN PROJECT LIMITS PER SECTION 443 OF THE THIRD DRAFT SPECIFICATIONS AND CONTRACT ITEM LISTING BY COA TRAFFIC ENGINEERING OPERATIONS, JUNE 1994, PRIOR TO INSTALLATION OF NEW MARKINGS.
  - BROKEN LANE STRIPES SHALL BE 10 FEET IN LENGTH WITH 30 FOOT GAPS.
  - ALL PAVEMENT MARKINGS AND SIGNAGE SHALL BE INSTALLED PRIOR TO FINAL ACCEPTANCE OF PROJECT.
  - STATIONING SHOWN HEREON IS BASED UPON STREET CENTERLINE.
  - CONTRACTOR MUST REVIEW STRIPING AND SIGNAGE LAYOUT WITH CITY OF ALBUQUERQUE TRAFFIC ENGINEERING DIVISION PRIOR TO INSTALLATION.



FOR CONTINUATION, SEE BELOW  
MATCHLINE STA 16+00.00;

FOR CONTINUATION, SEE ABOVE  
MATCHLINE STA 16+00.00;

BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
NO.	DATE	BY	NO.	DATE	BY
2006.188.4	07-31-06	HMCg	12-23-2010	12-03-2009	JGM
AS BUILT INFORMATION		CONTRACTOR		DESIGN	
CONTRACTOR: HMCg		DATE: 2010		DESIGNED BY: JGM	
DRAWN BY: JGM		DATE: 2010		CHECKED BY: JGM	
DATE: 12-10		DATE: 12-10		DATE: 11-2009	
DATE: 12-10		DATE: 12-10		DATE: 11-2009	
DATE: 12-10		DATE: 12-10		DATE: 11-2009	



**HIGH MESA Consulting Group**  
FORMERLY JEFF MORTENSEN AND ASSOCIATES, INC.  
4010-B MIDWAY PARK BLVD. NE • ALBUQUERQUE, NEW MEXICO 87109  
PHONE: 505.345.4250 • FAX: 505.345.4254 • www.hghmesacg.com  
2006.180.7

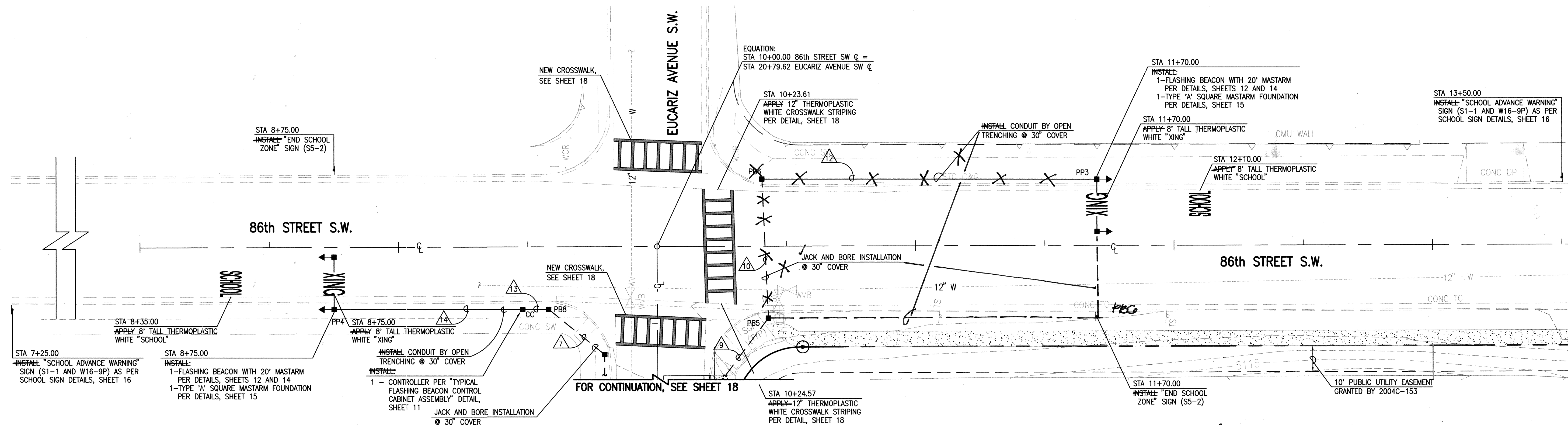
CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DEVELOPMENT GROUP

TITLE: **EUCARIZ AVENUE S.W. REVISED STRIPING & SIGNAGE PLAN**  
SOUTHWEST ELEMENTARY SCHOOL  
PUBLIC INFRASTRUCTURE

Design Review Committee	City Engineer Approval
APPROVE DEC 08 2009	APPROVE DEC 08 2009
DESIGN REVIEW COMMITTEE	CITY ENGINEER

City Project No. **709183** Zone Map No. **L-9** Sheet **18B** Of **19**





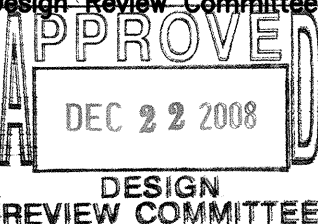
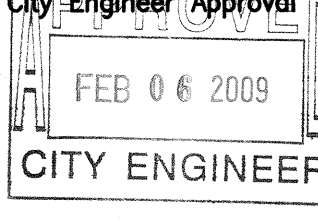
NOTE: IDENTIFY CONDUCTORS LISTED AS 115 VOLTS AT EACH SPLICE POINT

STRIPING AND SIGNAGE NOTES:

1. ALL PAVEMENT MARKINGS SHALL BE REFLECTIVE PLASTIC AND COMPLY WITH COA FACTORY OPERATIONS THIRD OPERATIONS THIRD DRAFT SPECIFICATIONS AND CONTRACT LISTING AND THE M.U.T.C.D. (LATEST EDITION).
2. ALL TRAFFIC SIGNS SHALL COMPLY WITH THE M.U.T.C.D. (LATEST EDITION).
3. CONTRACTOR SHALL OBLITERATE ALL EXISTING PAVEMENT MARKINGS WITHIN PROJECT LIMITS PER SECTION 44.3 OF THE THIRD DRAFT SPECIFICATIONS AND CONTRACT ITEM LISTING BY THE CALIFORNIA ENGINEERING DIVISION, JUNE 1994, PRIOR TO INSTALLATION OF NEW MARKINGS.
4. BROKEN LANE STRIPES SHALL BE 10 FEET IN LENGTH WITH 30 FOOT GAPS.
5. ALL PAVEMENT MARKINGS AND SIGNAGE SHALL BE INSTALLED PRIOR TO FINAL ACCEPTANCE OF PROJECT.
6. STATIONING SHOWN HEREON IS BASED UPON STREET CENTERLINE.
7. CONTRACTOR MUST REVIEW STRIPING AND SIGNAGE LAYOUT WITH CALIFORNIA ENGINEERING DIVISION PRIOR TO INSTALLATION.

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

**HIGH MESA Consulting Group**  
FORMERLY JEFF MORTENSEN AND ASSOCIATES, INC.  
6010-B MIDWAY PARK BLVD. NE • ALBUQUERQUE, NEW MEXICO 87109  
PHONE: 505.345.4250 • FAX: 505.345.4254 • [www.highmesacrg.com](http://www.highmesacrg.com)  
2006.180.7

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP					
TITLE: <b>86th STREET S.W. FLASHING BEACON, STRIPING &amp; SIGNAGE PLAN</b> <b>SOUTHWEST ELEMENTARY SCHOOL</b> <b>PUBLIC INFRASTRUCTURE</b>					
<b>Design Review Committee</b>  DEC 22 2008 DESIGN REVIEW COMMITTEE		<b>City Engineer Approval</b>  FEB 06 2009 CITY ENGINEER		<b>Last Design Update</b>	<b>Mo./Day/Yr.</b>
					<b>Mo./Day/Yr.</b>
<b>City Project No.</b> 709183		<b>Zone Map No.</b> L-9		<b>Sheet</b> 19	<b>Of</b> 19