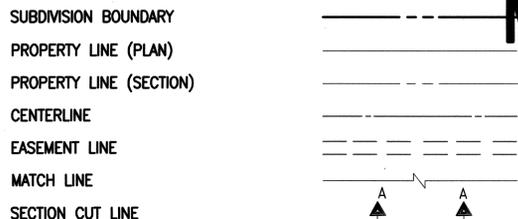


LEGEND

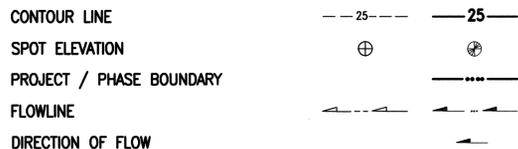
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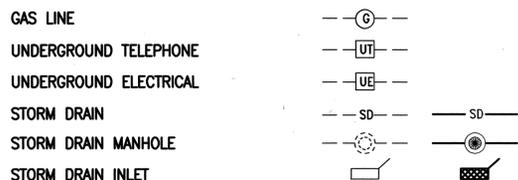
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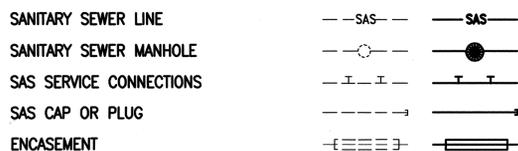
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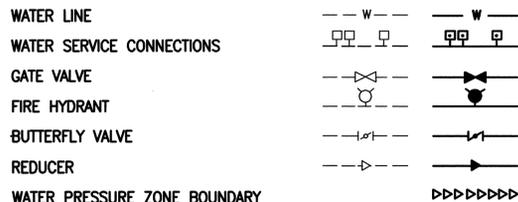
MISCELLANEOUS UTILITIES



SANITARY SEWER



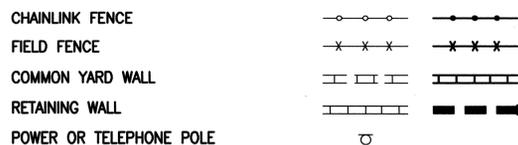
WATER



WATER FITTINGS



MISCELLANEOUS



CONSTRUCTION PLANS

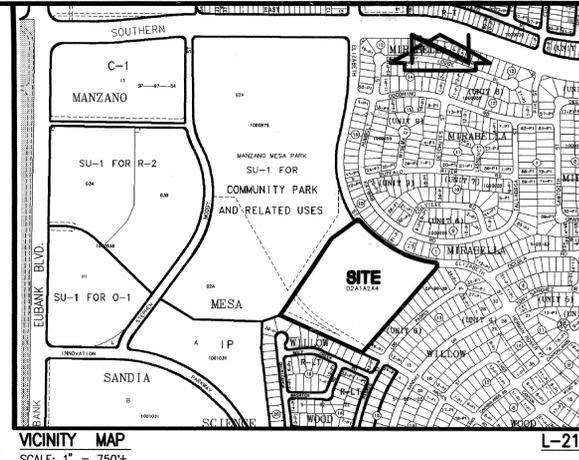
for

MANZANO MESA ELEMENTARY SCHOOL

FLASHING SCHOOL BEACON

ALBUQUERQUE, NEW MEXICO

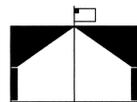
AUGUST, 2004



CERTIFICATE OF SUBSTANTIAL COMPLIANCE

I, JEFFREY G. MORTENSEN, NMPE 8547, OF THE FIRM JEFF MORTENSEN & ASSOCIATES, INC. 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. THE RECORD INFORMATION EDITED ONTO THIS ORIGINAL DESIGN DOCUMENT HAS BEEN OBTAINED BY OR UNDER MY DIRECT SUPERVISION 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
JEFFREY G. MORTENSEN, NMPE 8547
DATE: 08-02-2005



RECORD DRAWING

INDEX OF DRAWINGS

SHEET	DESCRIPTION
1	COVER SHEET, VICINITY MAP, GENERAL NOTES, LEGEND AND INDEX OF DRAWINGS
2	TRAFFIC NOTES, LEGEND, EQUIPMENT REQUIREMENTS AND INCIDENTAL ITEMS
3	SITE PLAN
4	ENLARGED SITE PLAN - EAST
5	ENLARGED SITE PLAN - WEST
6	CURB RAMP DETAILS
7	FLASHING BEACON DETAILS (MASTARM)
8	FLASHING BEACON DETAILS (PEDESTAL)
9	TRAFFIC SIGNAL MASTARM DETAILS, TYPE II STANDARD
10	FOUNDATION DETAILS, TYPE II AND TYPE III STANDARDS
11	TRAFFIC SIGNAL PULL BOX AND SCHOOL SIGN DETAILS
12	METER PEDESTAL DETAILS

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.
- 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 APS MAINTENANCE & OPERATIONS (765-5950) FOR LOCATION OF EXISTING PRIVATE UTILITIES.
- 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 THEREFOR. 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 DEPRESSED 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 SYSTEM DIVISION 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 SYSTEM DIVISION PERSONNEL SHALL OPERATE EXISTING VALVES. REFER TO SECTION 18 OF THE SPECIFICATION. THE WATER SYSTEM DIVISION 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.
- FIVE (5) 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 BARRICADE PERMIT FROM THE CONSTRUCTION CO-ORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (924-3400) PRIOR TO OCCUPYING 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 SECURE "TOPSOIL DISTURBANCE PERMIT" FROM THE CITY AND/OR FILE A NOTICE OF INTENT (N.O.I.) WITH THE EPA PRIOR TO BEGINNING CONSTRUCTION.

APPROVED AS RECORD DRAWINGS
DESIGN REVIEW SECTION
CITY CONSTRUCTION ENGINEER
James M. Long
DATE: 09/17/05

2004.180.6



REV.	SHEETS	CITY ENGINEER	DATE	USER	DEPARTMENT	DATE	USER	DEPARTMENT	DATE
1	12								
ENGINEERS STAMP & SIGNATURE		APPROVALS		ENGINEER		DATE		*****	
		DRC Chairman		<i>[Signature]</i>		10-6-04		APPROVED FOR CONSTRUCTION	
		Transportation		<i>[Signature]</i>		9/20/04			
		Water/Wastewater		<i>[Signature]</i>		9/17/04			
		Hydrology		<i>[Signature]</i>		9/17/04			
		C.I.P.		<i>[Signature]</i>					
		Const. Mngmt.		<i>[Signature]</i>		10-6-04			
		Const. Coord.		<i>[Signature]</i>					
City Project No.		714082		SHEET		OF			
				1		12			

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File Name: 11806CV.DWG
Plot Date: 09-02-2004
Plot Time: 08:10 am

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 DAVE HARMON, CITY TRAFFIC ENGINEERING OPERATIONS, PRIOR TO STRIPING AND SIGN INSTALLATION (857-8691).
- 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.
 - APPRISSING 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.
- TIME CLOCK INSTALLED UNDER THIS CONTRACT, SHALL BE REMOVED BY CITY TRAFFIC ENGINEERING. FOR FUTURE REFERENCE, ELEMENTARY SCHOOL INSTALLATIONS SHALL DELETE THE STANDARD CLOCK AND INSTALL A MANUAL SWITCH ONLY FOR OPERATION BY THE CROSSING GUARDS.**

TRAFFIC SIGNAL LEGEND

NEW	EXISTING	ITEM
■	⊠	PULL BOX
●	○	SERVICE POLE
Ⓜ	Ⓜ	METER PEDESTAL
ⓐ	ⓐ	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)
ⓐ	ⓐ	SPLICE CABINET
●	○	TRAFFIC MANHOLE
■	□	VIDEO CAMERA

DEFINITIONS

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

File Path: E:\WORK\2004\2004-02-24\2004-02-24.dwg
 Plot Date: 09-02-2004
 Plot Time: 09:18 am



2004.180.6

JEFF MORTENSEN & ASSOCIATES, INC.
 6800-B HIGHWAY PARK BLVD. NE
 ALBUQUERQUE, NEW MEXICO 87109
 ENGINEERS & SURVEYORS (505) 345-4250
 FAX: (505) 345-4254 □ ESTABLISHED 1977

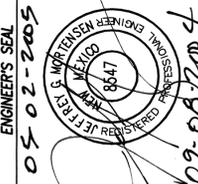
CITY OF ALBUQUERQUE
 PUBLIC WORKS DEPARTMENT
 ENGINEERING DEVELOPMENT GROUP

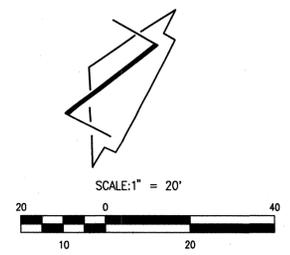
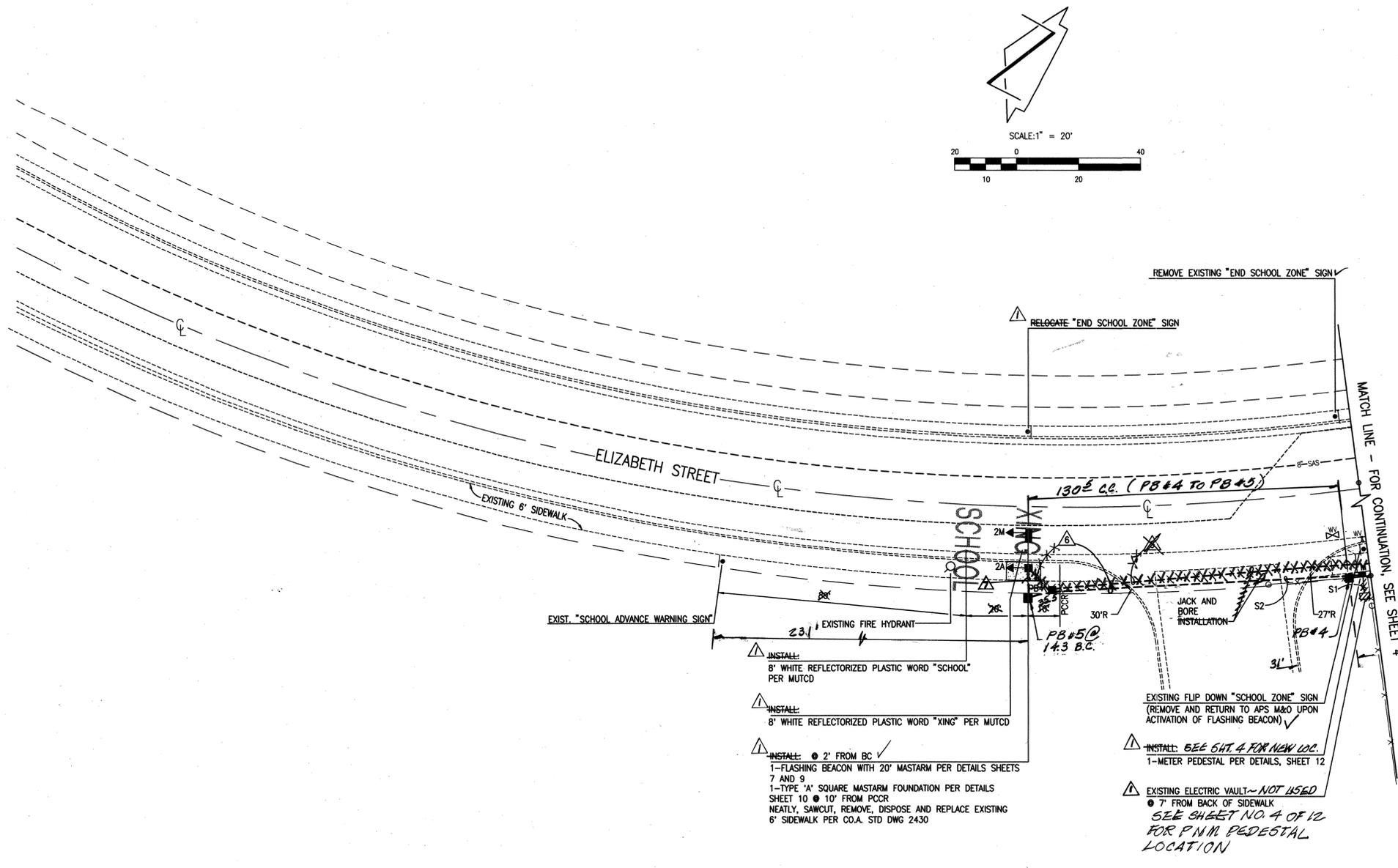
TITLE: **MANZANO MESA ELEMENTARY SCHOOL
 FLASHING SCHOOL BEACON
 TRAFFIC NOTES, LEGEND, EQUIPMENT REQUIREMENTS AND INCIDENTAL ITEMS**

Design Review Committee APPROVE OCT - 6 2004 DESIGN REVIEW COMMITTEE	City Engineer Approval APPROVE DEC - 7 2004 CITY ENGINEER
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City Project No. **714082** Zone Map No. **L-21** Sheet **2** of **12**

RECORD DRAWING

AS BUILT INFORMATION	CONTRACTOR	DATE	BY	DATE
BENCH MARKS	AS BUILT ELECTRIC	N/A	JMA	4/05
PROJECT BENCHMARK	SIGNED BY	DATE	BY	DATE
FIELD NOTES	ACCEPTANCE BY	4/05	JMA	4/05
NO.	FIELD NO.	DATE	BY	DATE
991833	JMA	07-2002	JMA	07-2002
PROJECT BENCHMARK ACS 3 1/4" ALUMINUM CAP STAMPED "ACS 6-121, 1986", SET FLUSH IN TOP OF EAST MEDIAN CURB AT THE INTERSECTION OF ELIZABETH STREET WITH CENTRAL AVENUE ELEVATION = 5600.669 FEET (NGVD 1929)				
ENGINEER'S SEAL 05-02-2005  09-08-2004				



FUNCTION CHART - 115 VOLT CIRCUIT MULTI-CONDUCTOR CABLE 5

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

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

CONDUIT AND CONDUCTOR REQUIREMENTS

CONDUIT LENGTH, SIZE AND TYPE	CONDUIT FILL BY LENGTH AND TYPE
S1 8' 180	REC POWER TO M 1 @ 21 185
S2 400' 90	REC M TO PB# 1 1 @ 208 35
45' 12	REC PB1 TO PP1 1 @ 20
45'	REC PB1 TO PB2 1 @ 50
220'	REC PB2 TO CC 1 @ 225
15'	REC CC TO PB3 1 @ 20
125' 100	REC PB3 TO PB4 1 @ 190
10' 10	REC PB4 TO PP2 1 @ 15 185
15'	REC BASE TO 1M 1 @ 45 @ 20
	REC BASE TO 2M 1 @ 45
TOTAL 587	610 117
	665 170

RECORD DRAWING

SEE SHEET 1 FOR CERTIFICATION

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
- TRENCHING INSTALLATION
- JACK AND BORE INSTALLATION

Jma JEFF MORTENSEN & ASSOCIATES, INC.
 6010-B MIDWAY PARK BLVD., N.E.
 ALBUQUERQUE, NEW MEXICO 87109
 ENGINEERS SURVEYORS (CS) 345-4250
 FAX: 505 345-4254 ESTABLISHED 1977

2004.180.6

CITY OF ALBUQUERQUE
 PUBLIC WORKS DEPARTMENT
 ENGINEERING DEVELOPMENT GROUP

TITLE: MANZANO MESA ELEMENTARY SCHOOL
 FLASHING SCHOOL BEACON
 ENLARGED SITE PLAN-WEST

Design Review Committee APPROVE OCT - 6 2004
 City Engineer Approval APPROVE DEC - 7 2004
 DESIGN REVIEW COMMITTEE CITY ENGINEER

City Project No. 714082 Zone Map No. L-21 Sheet 5 of 12

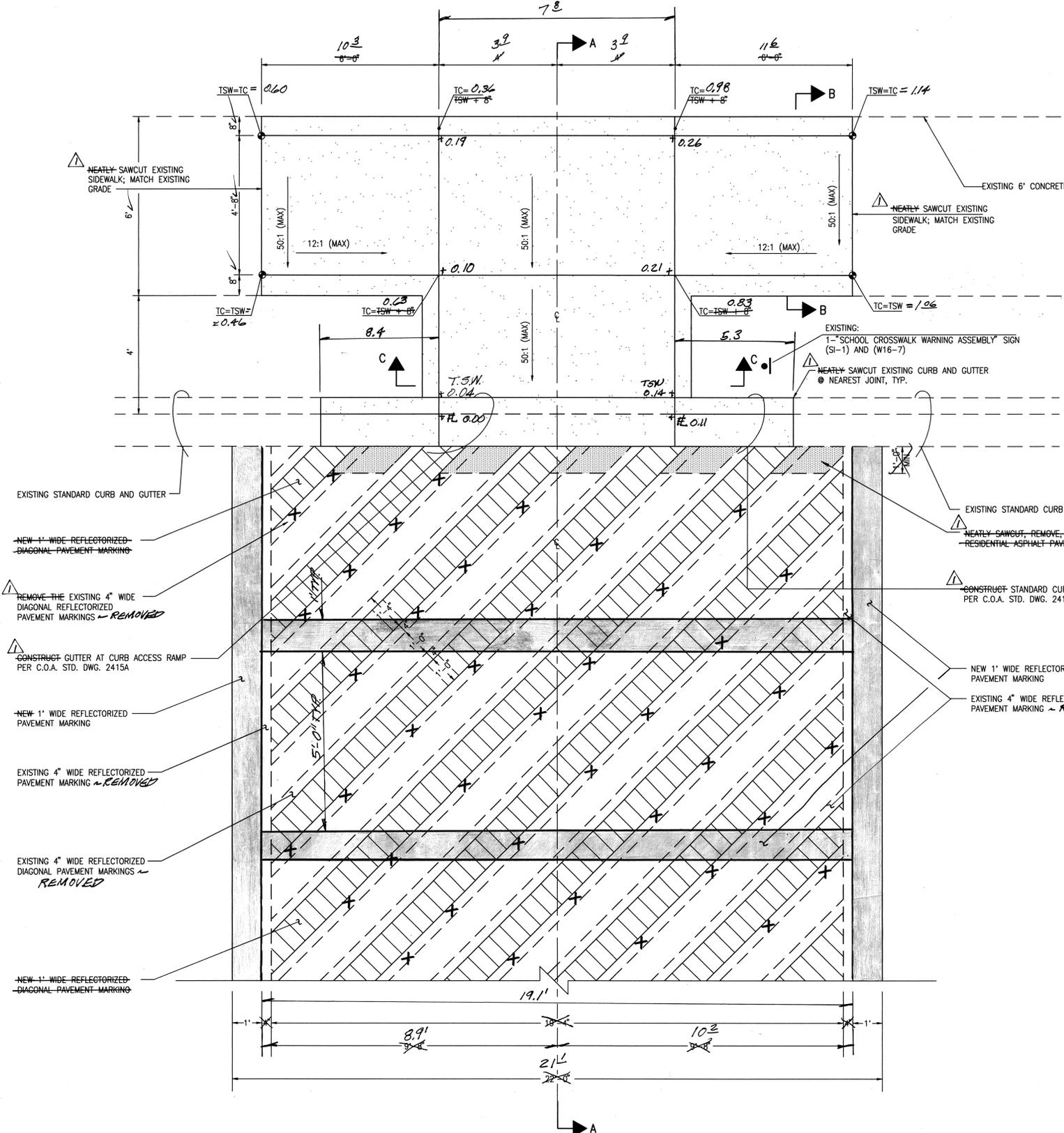
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CONTRACTOR	BEP ELEC.
WORKED BY	JMA
DATE	4/05
APPROVED BY	JMA
DATE	4/05
FIELD SUPERVISOR BY	JMA
DATE	4/05
CONVERTED BY	JMA
DATE	4/05
RECORDED BY	JMA
DATE	4/05
MICRO-FILM INFORMATION	
NO.	
DATE	

SURVEY INFORMATION	
FIELD NOTES	NO. 991833
DATE	07-2002
BY	JMA
PROJECT BENCHMARK	ACS 3 1/4" ALUMINUM CAP STAMPED "ACS 6-L21, 1968", SET FLUSH IN TOP OF EAST MEDIAN CURB AT THE INTERSECTION OF ELIZABETH STREET WITH CENTRAL AVENUE
ELEVATION	= 5500.669 FEET (NGVD 1929)

BENCH MARKS	
NO.	
DATE	

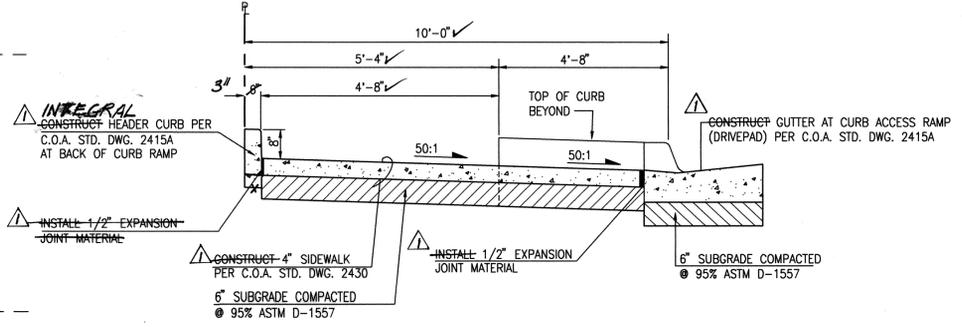
ENGINEER'S SEAL	
DATE	05-02-2005
BY	[Signature]
REMARKS	Revisions
DESIGN	
DATE	06-2004
DATE	06-2004
DATE	07-2004
DESIGNED BY	T.P.K.
DRAWN BY	S.G.H.
CHECKED BY	J.G.M.

Plot Date: 09-08-2004
 Plot Time: 08:42 am
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 File Name: 41806SD.DWG

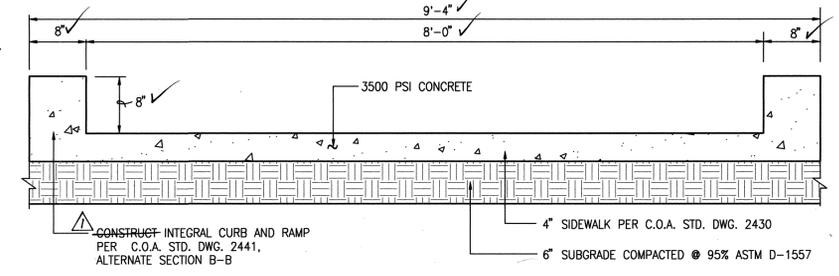


CURB RAMP DETAIL AND MODIFICATION OF CROSSWALK
 SCALE: 1" = 2'-0"

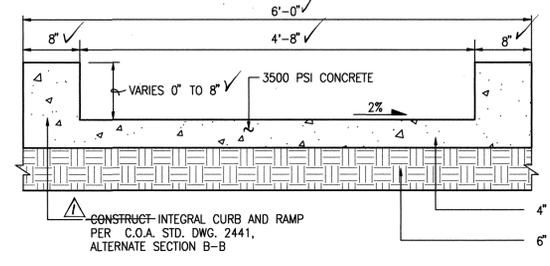
- EXISTING MARKINGS
- NEW 1' DIAGONAL REFLECTORIZED PAVEMENT MARKING ADDED TO EXISTING 4" MARKING
- X X X X X X** REMOVE AND DISPOSE EXISTING REFLECTORIZED PAVEMENT MARKING



SECTION A-A
 SCALE: 1" = 2'-0"

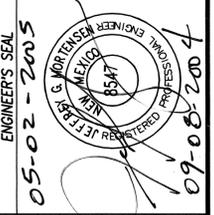


SECTION C-C
 SCALE: 1" = 1"



SECTION B-B
 SCALE: 1" = 1"

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	B&B ELEC	PROJECT BENCHMARK	DATE	NO.	DATE	NO.	DATE
DRAWN BY	JMA	DATE	07-2002	NO.	05-02-2005	NO.	09-08-2004
CHECKED BY	JMA	DATE		NO.		NO.	
RECORDED BY	JMA	DATE		NO.		NO.	
DATE	04/05	DATE		NO.		NO.	
DATE	04/05	DATE		NO.		NO.	
DATE	04/05	DATE		NO.		NO.	
DATE	04/05	DATE		NO.		NO.	
DATE	04/05	DATE		NO.		NO.	

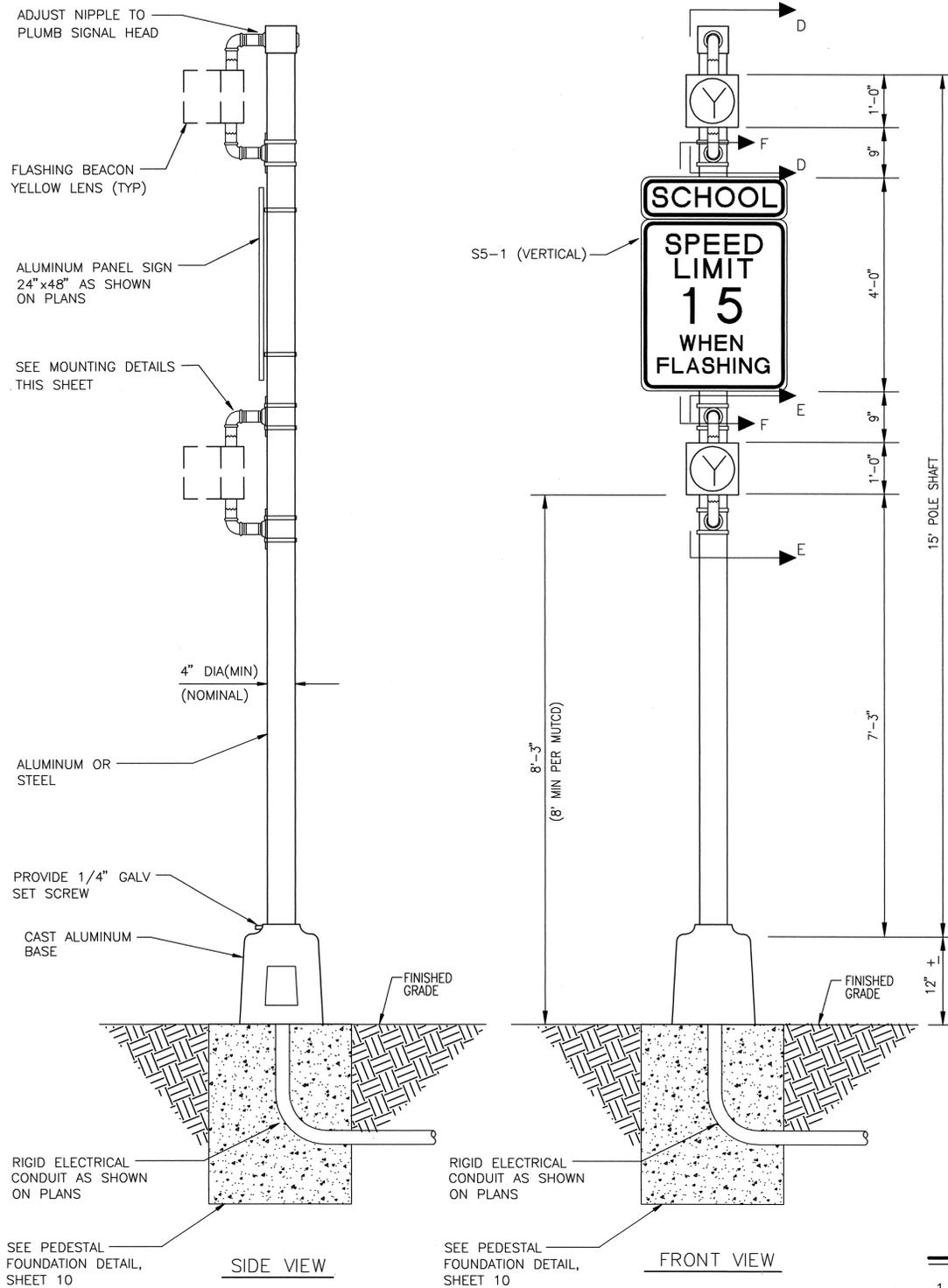


CITY OF ALBUQUERQUE
 PUBLIC WORKS DEPARTMENT
 ENGINEERING DEVELOPMENT GROUP

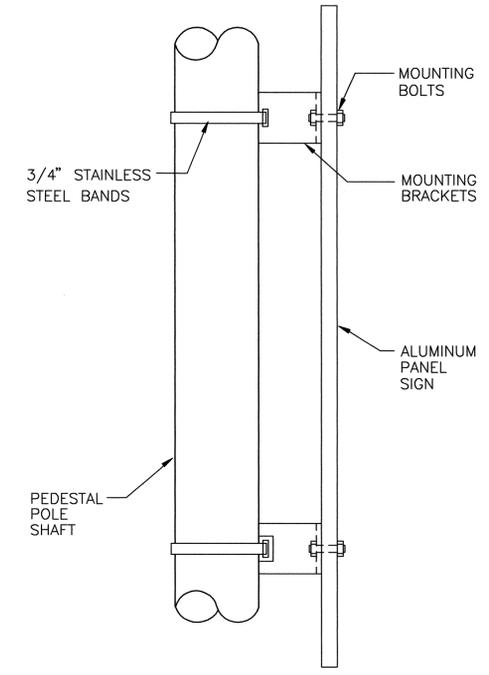
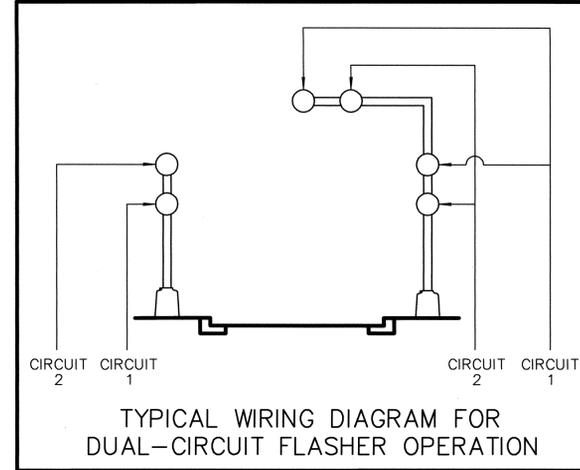
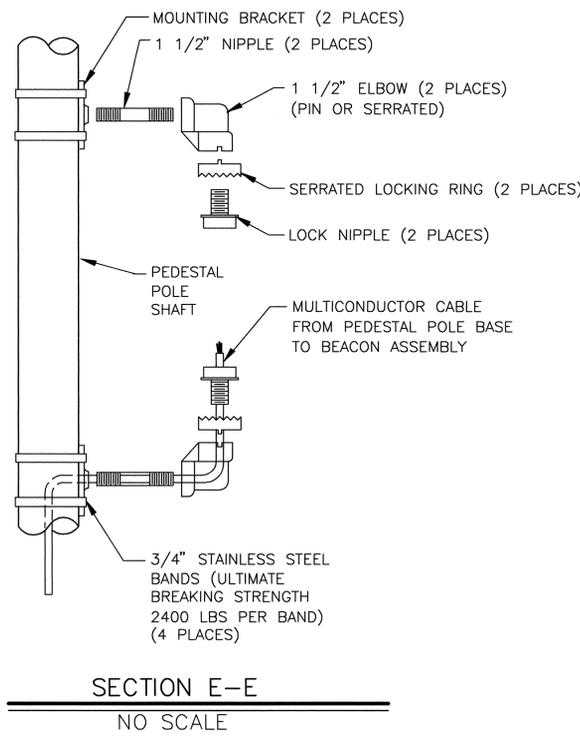
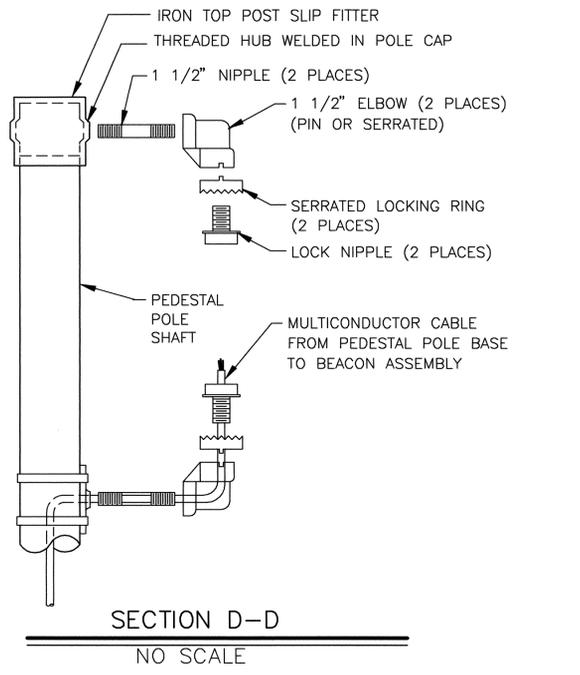
TITLE: **MANZANO MESA ELEMENTARY SCHOOL FLASHING SCHOOL BEACON SECTIONS AND DETAILS**

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	Ms./Date/yr.	Ms./Date/yr.
APPROVE OCT - 6 2004 DESIGN REVIEW COMMITTEE	APPROVE DEC - 7 2004 CITY ENGINEER		

RECORD DRAWING
 SEE SHEET 1 FOR CERTIFICATION



SCHOOL BEACON DETAIL - PEDESTAL
NO SCALE



VERTICAL SIGN MOUNT DETAIL
SECTION F-F
NO SCALE

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



S5-1 (VERTICAL)
TYPICAL SIGN FACE DETAIL FOR SCHOOL BEACON
NO SCALE

NOTES:

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

RECORD DRAWING

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File Name: 41806PED.DWG
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Plot Time: 10:26 am

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PROJECT BENCHMARK		DRAWN BY: JMA	
ACS 3 1/4" ALUMINUM CAP STAMPED *ACS 6-121, 1986*, SET FLUSH IN TOP OF EAST MEDIAN CURB AT THE INTERSECTION OF ELIZABETH STREET WITH CENTRAL AVENUE		CHECKED BY: JMA	
STREET WITH CENTRAL AVENUE		CORRECTED BY: JMA	
ELEVATION = 5500.689 FEET (NGVD 1929)		MICRO-FILM INFORMATION	
RECORDED BY:		DATE:	
NO.		NO.	
SURVEY INFORMATION		FIELD NOTES	
DATE	BY	DATE	BY
07-2002	JMA		
NO.		NO.	
991833			
ENGINEER'S SEAL		REVISIONS	
05-02-2005		NO.	DATE
		DESIGN	
RECORD DRAWING		DRAWN BY	
BY		DATE	
		06-2004	
DATE		08-2004	
C.O.D.		S.G.H.	
J.G.M.		J.G.M.	
City Project No. 714082		Zone Map No. L-21	
Sheet 8		of 12	

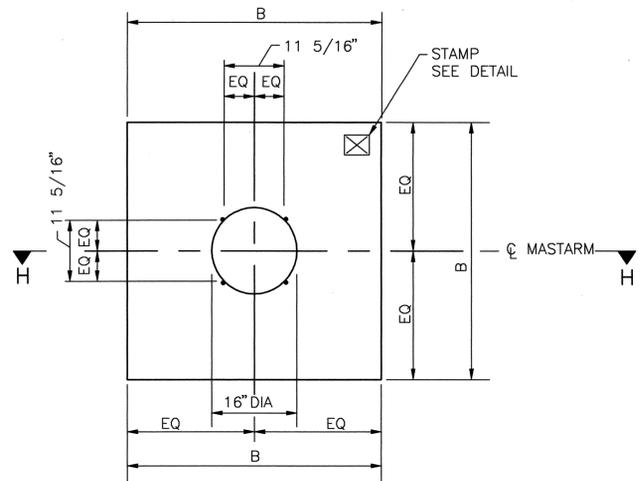
Jma JEFF MORTENSEN & ASSOCIATES, INC.
6800-B MIDWAY PARK BLVD. NE
ALBUQUERQUE, NEW MEXICO 87109
ENGINEERS & SURVEYORS 505 245-4250
FAX: 505 345-4254 ESTABLISHED 1977

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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

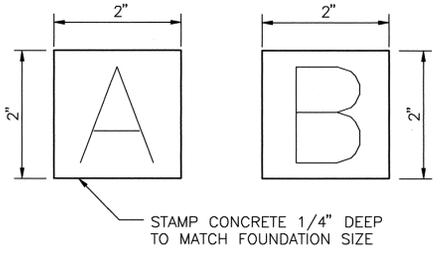
TITLE: MANZANO MESA ELEMENTARY SCHOOL
FLASHING SCHOOL BEACON
SCHOOL BEACON DETAILS (PEDESTAL)

DESIGN REVIEW COMMITTEE
OCT - 6 2004
CITY ENGINEER APPROVAL
APPROVE
DEC - 7 2004
CITY ENGINEER

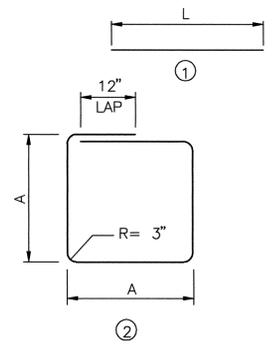
City Project No. 714082 Zone Map No. L-21 Sheet 8 of 12



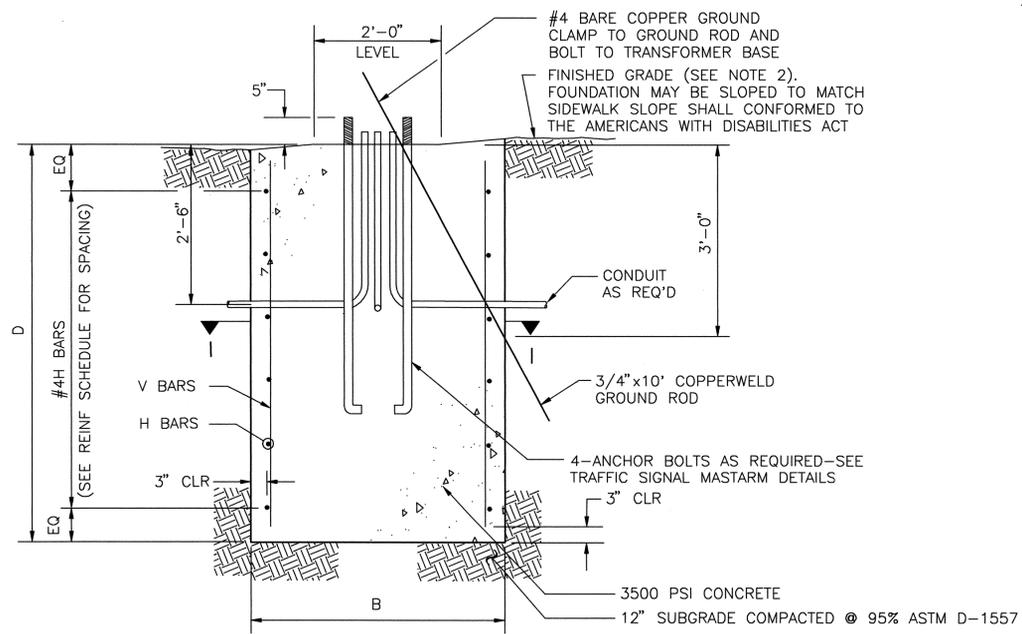
PLAN VIEW (SQUARE)
NO SCALE



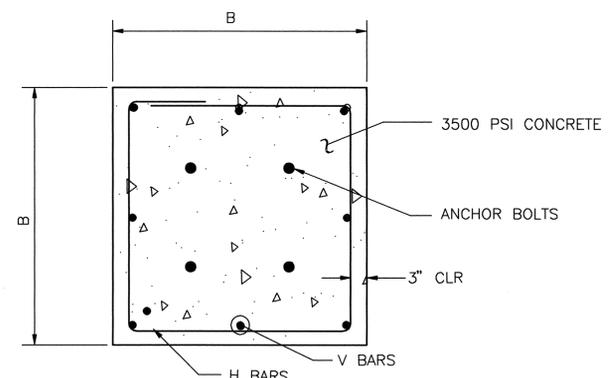
STAMP DETAIL
NO SCALE



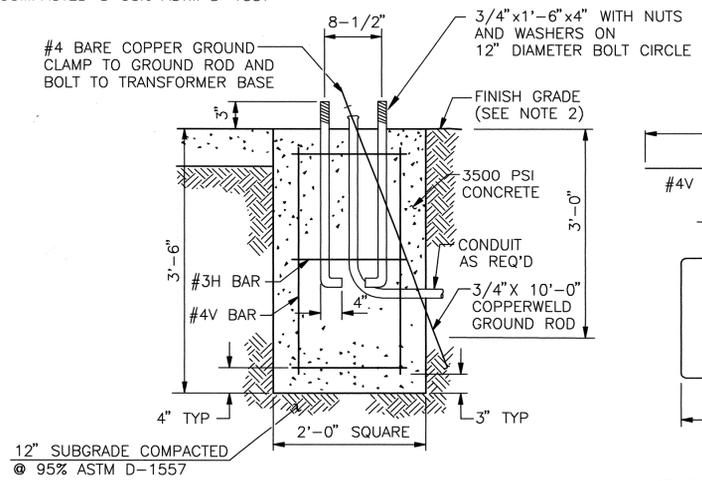
BAR BENDING DIAGRAM



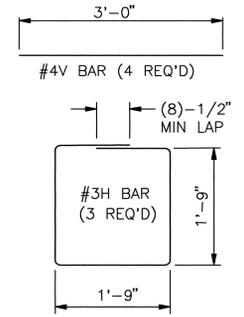
SECTION H-H (ROUND OR SQUARE)
NO SCALE



SECTION I-I (SQUARE)
NO SCALE



PEDESTAL POLE FOUNDATION DETAIL
NO SCALE



REINFORCING STEEL

FOUNDATION DIMENSIONS AND QUANTITIES								
FOUNDATION TYPE	SIGNAL ARM SPAN(FT)	DIMENSION		REINFORCING		REBAR POUNDS	3500 PSI CONCRETE CUBIC YARDS	NOTES
		B (WIDTH)	D (DEPTH)	V BARS MARK	H BARS MARK			
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"	A = 42", TIES AT 14" OC	
#4V2	8	1	4	4'-6"		
#7V3	6	1	7	11'-3"	A = 36", TIES AT 12" OC	
#6V4	6	1	6	8'-0"		
#3H1	6	2	3	15'-4"	DIA = 30", TIES AT 12" OC	
#3H2	5	2	3	13'-4"		
#3H3	12	3	3	9'-3"	DIA = 24", TIES AT 12" OC	
#3H4	9	3	3	7'-8"		

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).

Plot Date: 09-03-2004
Plot Time: 10:38 am
File Path: E:\DWG\41806\FD.DWG
File Name: 41806FD.DWG

CONTRACTOR		AS BUILT INFORMATION	
DATE	DATE	CONTRACTOR	DATE
07-2002	07-2002	BED ELEC	07-2002
PROJECT BENCHMARK		PROJECT INFORMATION	
DATE		FIELD NOTES	
07-2002	07-2002	NO.	991633
BY		BY	
JMA		JMA	
NO.		NO.	
991633		991633	
ENGINEER'S SEAL		REVISIONS	
05-02-2005		DESIGN	
BY		BY	
JMA		JMA	
DATE		DATE	
06-2004		06-2004	
C.D.A.		S.G.H.	
J.G.M.		J.G.M.	

JMA JEFF MORTENSEN & ASSOCIATES, INC.
6400-B REDWAY PARK BLVD., NE
ALBUQUERQUE, N.M. 87109
ENGINEERS & SURVEYORS (505) 348-4250
FAX: (505) 348-4254 (ESTABLISHED 1977)

2004.180.6

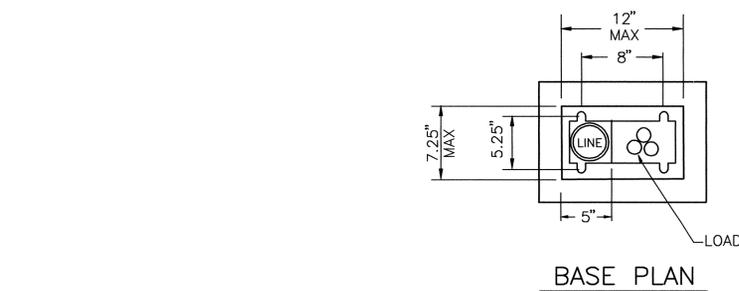
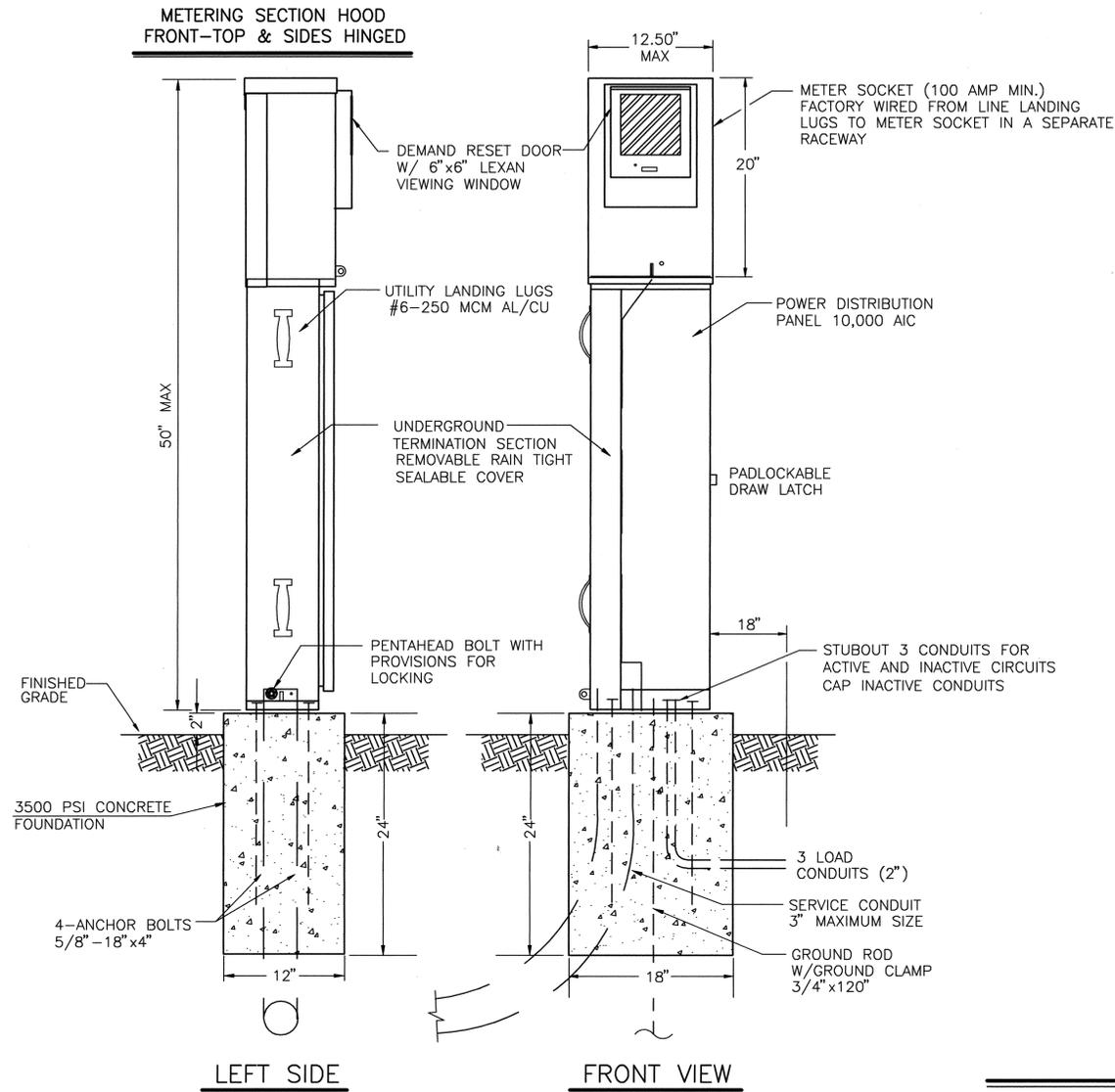
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: MANZANO MESA ELEMENTARY SCHOOL
FLASHING SCHOOL BEACON
FOUNDATION DETAILS, TYPE II AND TYPE III STANDARDS

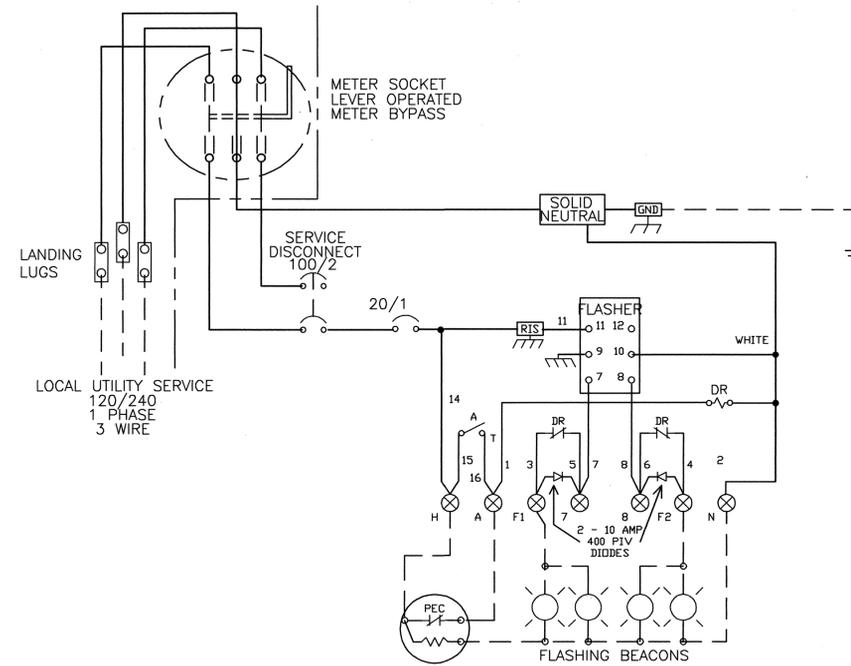
DESIGN REVIEW COMMITTEE: OCT - 6 2004
CITY ENGINEER APPROVAL: DEC - 7 2004

City Project No. 714082 Zone Map No. L-21 Sheet 10 of 12

RECORD DRAWING



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
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<input type="checkbox"/>	NATURAL
<input type="checkbox"/>	0.125" ALUMINUM SHEET
<input type="checkbox"/>	POWDER COATED COLOR:
<input type="checkbox"/>	ANODIZED

POWDER COAT COLORS

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



2004.180.6

JEFF HORTENSEN & ASSOCIATES, INC.
6010-B REDWAY PARK BLVD. NE.
ALBUQUERQUE, NM 87109
ENGINEERS & SURVEYORS 505-345-4250
FAX: 505-345-4254

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: MANZANO MESA ELEMENTARY SCHOOL
FLASHING SCHOOL BEACON
METER PEDESTAL DETAILS



Last Design Update

City Project No. 714082 Zone Map No. L-21 Sheet 12 of 12

AS BUILT INFORMATION		
CONTRACTOR	DATE	
B&D ELEC	N/A	
BENCH MARKS		
PROJECT BENCHMARK	DATE	
ACS 3.1/4" ALUMINUM CAP STAMPED "ACS 6-L21, 1986", SET FLUSH IN TOP OF EAST MEDIAN CURB AT THE INTERSECTION OF ELIZABETH STREET WITH CENTRAL AVENUE	DATE 4/05	
ELEVATION = 5500.689 FEET (NGVD 1929)	DATE 4/05	
SURVEY INFORMATION		
FIELD NOTES	DATE	
JMA	07-2002	
ENGINEER'S SEAL		
05-02-2005	09/05/2004	
REVISIONS		
NO.	DATE	REVISIONS
		DESIGN
DESIGNED BY	DATE	C.D.A.
DRAWN BY	DATE	S.G.H.
CHECKED BY	DATE	J.G.M.

RECORD DRAWING