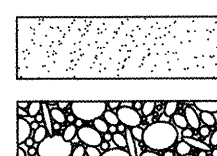


LEGEND

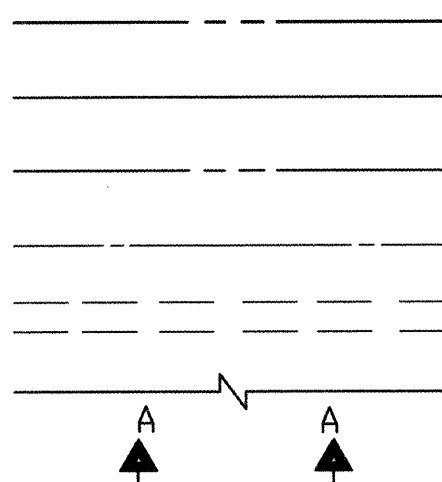
MATERIALS

CONCRETE
RIP-RAP



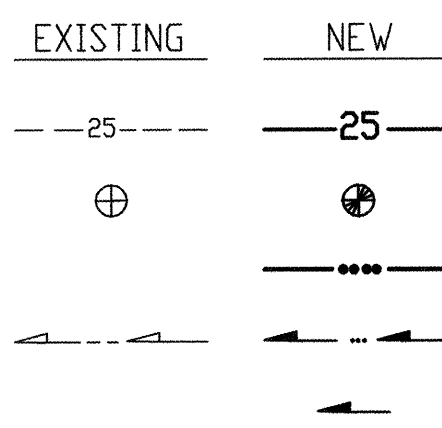
LINES

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



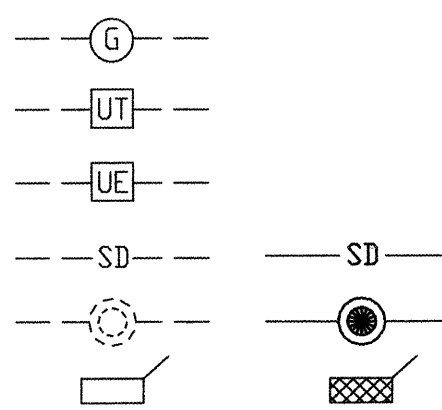
EARTHWORK

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



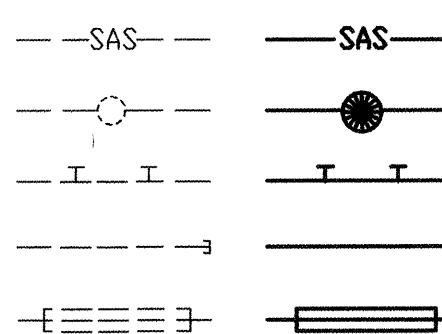
MISCELLANEOUS UTILITIES

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



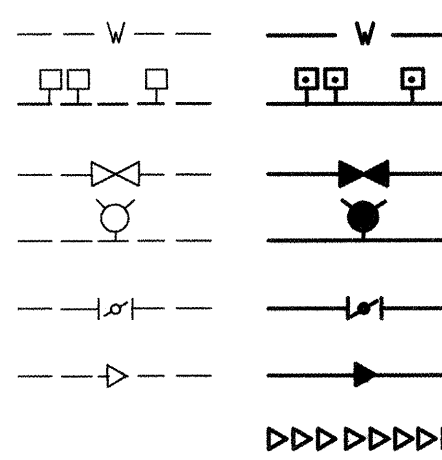
SANITARY SEWER

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



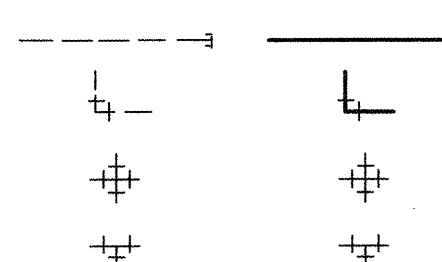
WATER

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



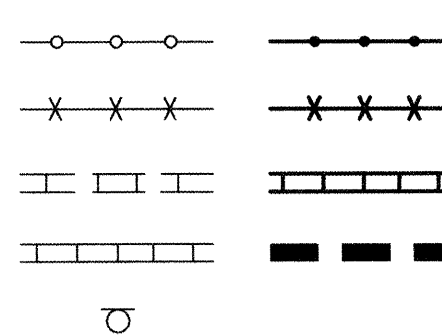
WATER FITTINGS

CAPS AND PLUGS
ELBOW
CROSS
TEE



MISCELLANEOUS

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



RECORD DRAWING

CONSTRUCTION PLANS

for

ELDORADO HIGH SCHOOL

WATERLINE EXTENSIONS

ALBUQUERQUE, NEW MEXICO

APRIL, 1998

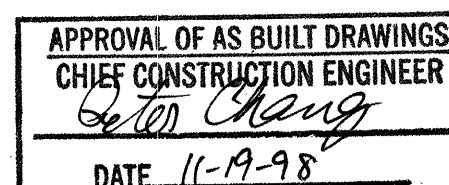


INDEX OF DRAWINGS

SHEET	DESCRIPTION
1	COVER SHEET, VICINITY MAP, GENERAL NOTES, LEGEND AND INDEX OF DRAWINGS
2	BOUNDARY / EASEMENT SURVEY
3	SITE PLAN - WEST
4	SITE PLAN - EAST
5	SECTIONS AND DETAILS
6	WATERLINE EXTENSION PLAN AND PROFILE LINE "A" STA.10+00.00 TO STA.15+25.43
7	WATERLINE EXTENSION PLAN AND PROFILE LINE "A" STA.15+25.43 TO STA.24+79.41
8	WATERLINE EXTENSION PLAN AND PROFILE LINE "B" STA.9+56.50 TO STA.13+05.01
9	WATERLINE EXTENSION PLAN AND PROFILE LINE "C" LINE "D" LINE "E"
10	WATERLINE EXTENSION PLAN AND PROFILE LINE "F" STA.10+00.00 TO STA.19+62.50
11	WATERLINE EXTENSION PLAN AND PROFILE LINE "G" STA.10+00.00 TO STA.13+21.97
12	SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS
13	TYPICAL TRAFFIC CONTROL & SIGNING EXAMPLES

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. 6.
- 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 UTILITIES. CONTACT A.P.S. MAINTENANCE AND OPERATIONS AT 765-5950 FOR LOCATION OF PRIVATE ONSITE 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 AND EXISTING BUILDINGS 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 FIVE (5) 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 BARRICADING PERMIT FROM THE CONSTRUCTION CO-ORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (768-2551) 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.
- 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.



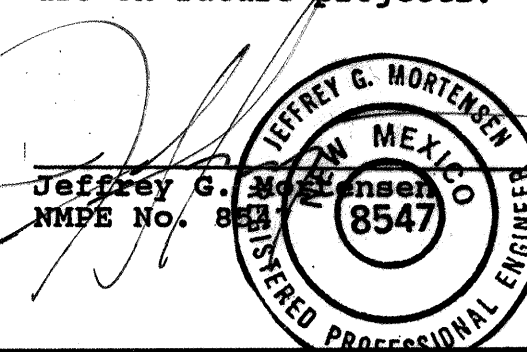
971806



JEFF MORTENSEN & ASSOCIATES, INC.
600-B KIRKMAN PARK BLVD. N.E.
ALBUQUERQUE, NM 87109
ENGINEERS SURVEYORS (505) 545-4250

RECORD DRAWING

I, Jeffrey G. Mortensen, Registered Professional Engineer in the State of New Mexico, do hereby certify that this "as-built" information was obtained by me or under my supervision and represents the "as-built" conditions of this project, and is true and correct to the best of my knowledge and belief. All vertical and horizontal dimensions should be field verified prior to use on future projects.



Date 10-05-98

REV.	SHEETS	CITY	ENGINEER	DATE	USER	DEPARTMENT	DATE	USER	DEPARTMENT	DATE
1-11				08/98						
12				08/98						
13				08/98						
ENGINEERS STAMP & SIGNATURE			APPROVALS		ENGINEER		DATE	*****		
					DRC Chairman		5-6-98	APPROVED FOR CONSTRUCTION City Engineer Date		
					Transportation		5-6-98			
					Water/Wastewater		5-6-98			
					Hydrology		5-6-98			
					C.I.P.		5-6-98			
					Const. Mngmt.					
					Const. Coord.		5-6-98			
					City Project No.		588681	SHEET 1 OF 13		

04-23-98

SCANNED BY:
MESA REPRC

MONTGOMERY BOULEVARD N.E.

(BEARING BASE)
N-89°56'15" E
(106' R.O.W. PER PLAT C25-26)

LINE 'B' SHEET 8

EXISTING
ASPHALT PARKING LOT

VOCATIONAL
BUILDING

MATH
BUILDING

SCIENCE
BUILDING

MEDIA
CENTER

HUMANITIES
BUILDING

ARTS
BUILDING

CAFETERIA

ADMINISTRATION
BUILDING

PERFORMING
ARTS CENTER

MUSIC
BUILDING

GYMNASIUM

EXISTING
BASKETBALL COURT

LINE 'C'
SHEET 9

LINE 'D'
SHEET 9

LINE 'E'
SHEET 9

EXISTING
PORTABLES

EXISTING
BASEBALL FIELD

EXISTING
BASEBALL FIELD
(DIRT)

ASPHALT PAVED ACCESS ROAD

LOT 11A, TRACT A
HOLIDAY PARK, UNIT NO. 11
(FILED 08-23-1995, 95C-320)

LOT 10A-1, TRACT A
HOLIDAY PARK, UNIT NO. 11
(FILED 09-21-1988, C37-94)

LOT 4A, TRACT A, HOLIDAY PARK, UNIT NO. 11
(FILED 07-10-1987, C34-27)

LOT 3, TRACT A, HOLIDAY PARK, UNIT NO. 11
(FILED 09-12-1984, C25-9)

LOT 1B, TRACT A, HOLIDAY PARK, UNIT NO. 11
(FILED 09-12-1984, C25-9)

LOT 1A, TRACT A
HOLIDAY PARK, UNIT NO. 11
(FILED 09-12-1984, C25-9)

20' PUBLIC WATERLINE
EASEMENT, TYP.
FILED 6/22/90, BOOK
2511, PAGE 0342.

PARCEL "B", TRACT ONE
ELDORADO CENTER
(FILED 04-02-1974, C9-169)

PARCEL "A", TRACT ONE
ELDORADO CENTER
(FILED 04-02-1974, C9-169)

JUAN TABO BOULEVARD N.E.
(106' R.O.W. PER PLAT C9-169)

CIEITO LINDO N.E.
(60' R.O.W.)

THIS IS NOT A BOUNDARY SURVEY. APPARENT
PROPERTY CORNERS ARE SHOWN FOR ORIENTATION
ONLY. BOUNDARY DATA SHOWN HEREON IS FROM AN
AERIAL AND BOUNDARY SURVEY BY JEFF MORTENSEN &
ASSOCIATES, INC. DATED MAY 20, 1997.

RECORD DRAWING

971806

jma

JEFF MORTENSEN & ASSOCIATES, INC.
6800-B MIDWAY PARK BLVD. N.E.
ALBUQUERQUE, N.M. 87109
ENGINEERS SURVEYORS (505) 345-4250

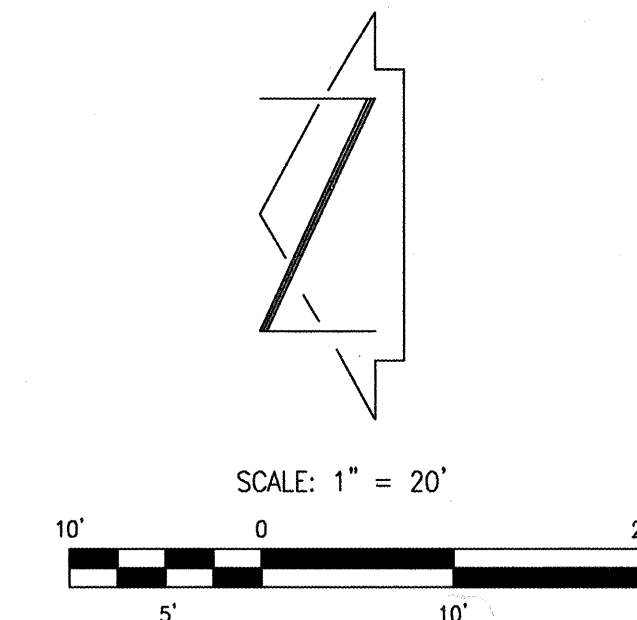
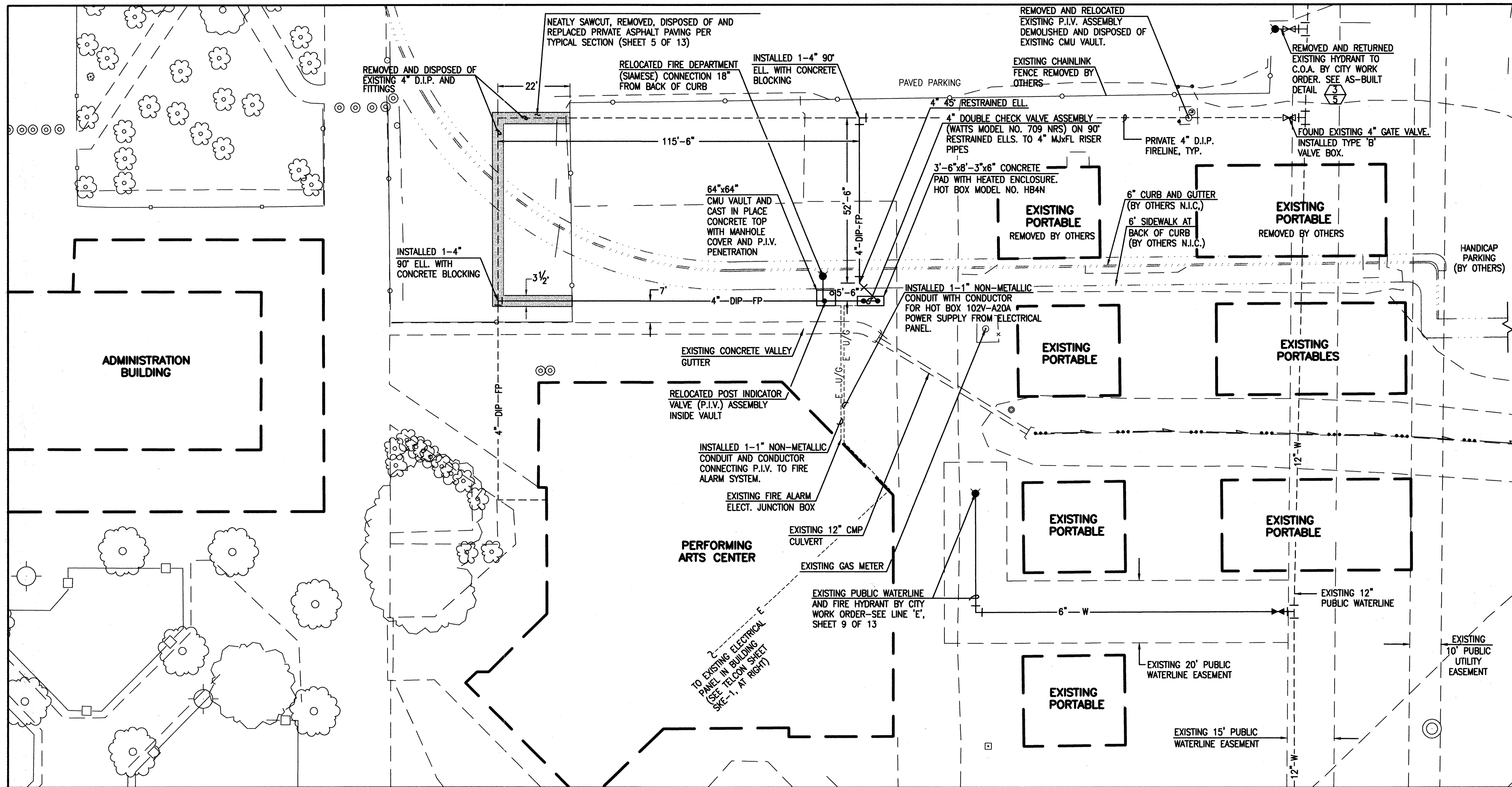
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE:
**ELDORADO HIGH SCHOOL
WATERLINE EXTENSIONS
SITE PLAN -WEST**

Design Review Committee	City Engineer Approval
May - 6 1998	
DESIGN REVIEW COMMITTEE	

City Project No.	Zone Map No.	Sheet	Of
588681	G-22	3	13

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION			
	RECORDED DRAWING	NO.	BY	DATE	AS BENCHMARK "B-421" A SQUARE "T" CHISEL IN TOP OF CONCRETE CURB AT THE SOUTH-SOUTHEAST RETURN. LOCATED AT THE INTERSECTION OF JUAN TABO BLVD. N.E. AND THE ENTRANCE TO EL DORADO HIGH SCHOOL (JUAN TABO PLAZA N.E. EXTENDED) ELEVATION = 5688.07 FEET (M.S.L.D.)	CONTRACTOR	DATE		
						MCC INC.	06/98		
						WORK SHOWN BY	I.M.A.	DATE	08/98
						INSPECTOR'S	M.D.S.	DATE	08/98
DESIGN	REMARKS	NO.	DATE	BY	FIELD CHECK BY	VERIFICATION BY	DATE		
						M.D.S./I.M.A.	08/98		
						FIELD CHECK BY	I.M.A.	DATE	08/98
						RECORDED BY	MICRO-FILM INFORMATION	RECORDED BY	DATE
DATE	BY	DATE	BY	DATE	ELEVATION	NO.	DATE		
						02/98	02/98		
						J.Y.R.	04/98		
						J.G.M.			



NOTES:

1. NEW PIV VALVE VAULT. COORDINATE EXACT LOCATION IN FIELD.
2. NEW BACKFLOW PREVENTER. PROVIDE 120 V GFI TYPE RECEPTACLE. COORDINATE LOCATION IN FIELD. COORDINATE REQUIREMENTS WITH OWNER'S REPRESENTATIVE. PROVIDE 6\" HEAT TAPE AND THERMOSTATIC CONTROL.
3. EXTEND 1/2\" C FROM PIV CONNECTION TO EXISTING FIRE ALARM WIRING. REMOVE EXISTING 3/4\" LB. INSTALL NEW 6\"x6\" JUNCTION BOX. COORDINATE WITH SOUND AND SIGNAL TO INSTALL NEW FIRE ALARM WIRING.
4. PROVIDE 1/2\" C WITH 2#10 AND 1#12 GROUND FROM NEW BACKFLOW PREVENTER. EXTEND CONDUIT UNDERGROUND TO PERFORMING ARTS CENTER, UP SIDE OF THE BUILDING AND ACROSS. FOLLOW EXISTING CONDUIT FOR PARKING LOT LIGHTING. EXTEND CONDUIT TO NEAREST SPARE 20A/1P, 120 VOLT CIRCUIT BREAKER.

SCALE: 1\"=40'

	Telcon Engineering Inc.		Project: ELDORADO HIGH SCHOOL PIV AND BACKFLOW
	4800 Juan Tabo Blvd. N.E. Suite A Albuquerque, New Mexico 87111 Phone (505) 232-3202 Fax (505) 232-3904		Drawn By: R. Spencer
			Designed By: R. Sanchez
			Date: 6 August 1998

Sheet: **SKE-1**

RECORD DRAWING

**PRIVATE CONSTRUCTION
NOT PART OF WORK ORDER**

RECORD DRAWING

I, JEFFREY G. MORTENSEN, A REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF NEW MEXICO DO HEREBY CERTIFY THAT THIS "AS-BUILT" INFORMATION WAS OBTAINED BY ME OR UNDER MY DIRECT SUPERVISION AND REPRESENTS THE "AS-BUILT" CONDITIONS OF THIS PROJECT, AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. ALL VERTICAL AND HORIZONTAL DIMENSIONS SHOULD BE FIELD VERIFIED PRIOR TO USE ON FUTURE PROJECTS.

JEFFREY G. MORTENSEN, NMPE NO. 8547



JEFF MORTENSEN & ASSOCIATES, INC.
6010-B MIDWAY PARK BLVD. NE.
ALBUQUERQUE, NEW MEXICO 87109
ENGINEERS SURVEYORS (505) 245-4250

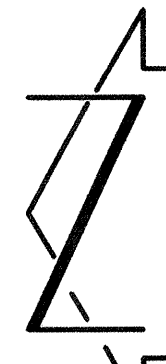
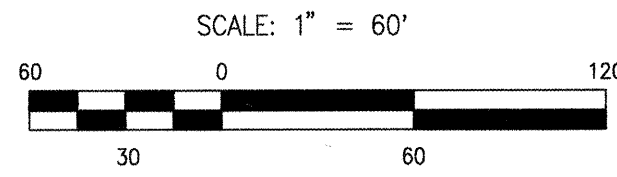
**ELDORADO HIGH SCHOOL
POST INDICATOR VALVE RELOCATION
AS-BUILT DETAIL**

DESIGNED BY: G.R.B.
DRAWN BY: J.Y.R.
APPROVED BY: J.G.M.

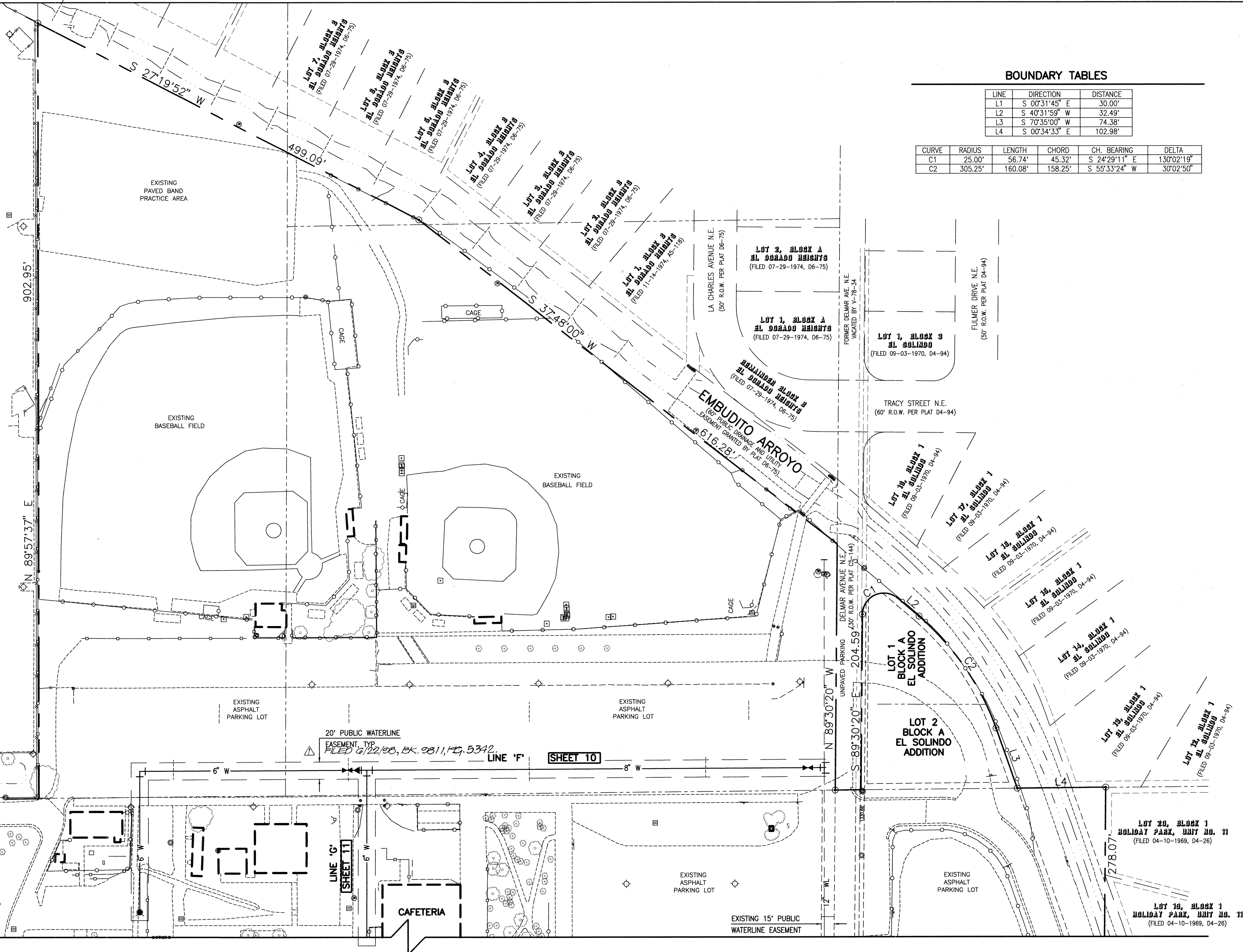
NO.	DATE	BY	REVISIONS	JOB NO.
				971806
				DATE 09-1998
				SHEET 3A OF 13

SCANNED BY:
MESA REPRC

MONTGOMERY BOULEVARD N.E.
(106' R.O.W. PER PLAT C28-28)



TRACY MAPS
ELDORADO ADDITION
(FILED 08-21-1985, C28-28)



BOUNDARY TABLES

LINE	DIRECTION	DISTANCE
L1	S 00°31'45\"	30.00'
L2	S 40°31'59\"	32.49'
L3	S 70°35'00\"	74.38'
L4	S 00°34'33\"	102.98'

CURVE	RADIUS	LENGTH	CHORD	CH. BEARING	DELTA
C1	25.00'	56.74'	45.32'	S 24°29'11\"	130°02'19\"
C2	305.25'	160.08'	158.25'	S 55°33'24\"	30°02'50\"

MATCH LINE FOR CONTINUATION SEE SHEET 3

THIS IS NOT A BOUNDARY SURVEY. APPARENT
PROPERTY CORNERS ARE SHOWN FOR ORIENTATION
ONLY. BOUNDARY DATA SHOWN HEREON IS FROM AN
AERIAL AND BOUNDARY SURVEY BY JEFF MORTENSEN &
ASSOCIATES, INC. DATED MAY 20, 1997.

RECORD DRAWING



JEFF MORTENSEN & ASSOCIATES, INC.
6000-B MIDWAY PARK BLVD. N.E.
ALBUQUERQUE, N.M. 87109
ENGINEERS & SURVEYORS (CSD) 345-4280

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **ELDORADO HIGH SCHOOL
WATERLINE IMPROVEMENTS
SITE PLAN - EAST**



City Engineer Approval

Last Design Update

City Project No.

588681

Zone Map No.

G-22

Sheet

4

13

08/98 RECORD DRAWING

DATE

2/98

DATE

2/98

DATE

4/98

DESIGNED BY

GRB

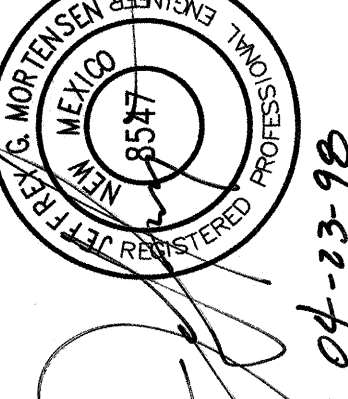
DRAWN BY

JVR

CHECKED BY

JGM

ENGINEER'S SEAL



SURVEY INFORMATION

FIELD NOTES

NO.

361819

DATE

05/97

BY

JMA

AS BUILT INFORMATION

CONTRACTOR

MCC INC.

DATE

08/98

INSPECTOR'S

DATE

08/98

FIELD VERIFICATION BY

MBG/JMA

DATE

08/98

FIELD VERIFICATION BY

MBG/JMA

DATE

08/98

RECORDED BY

NO.

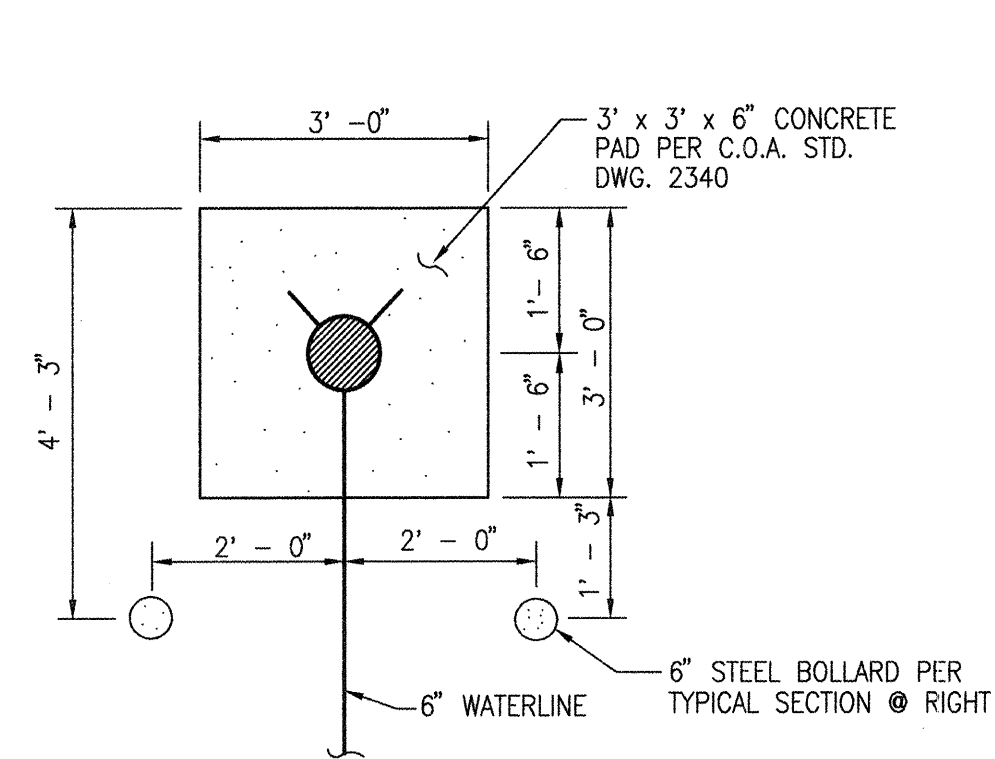
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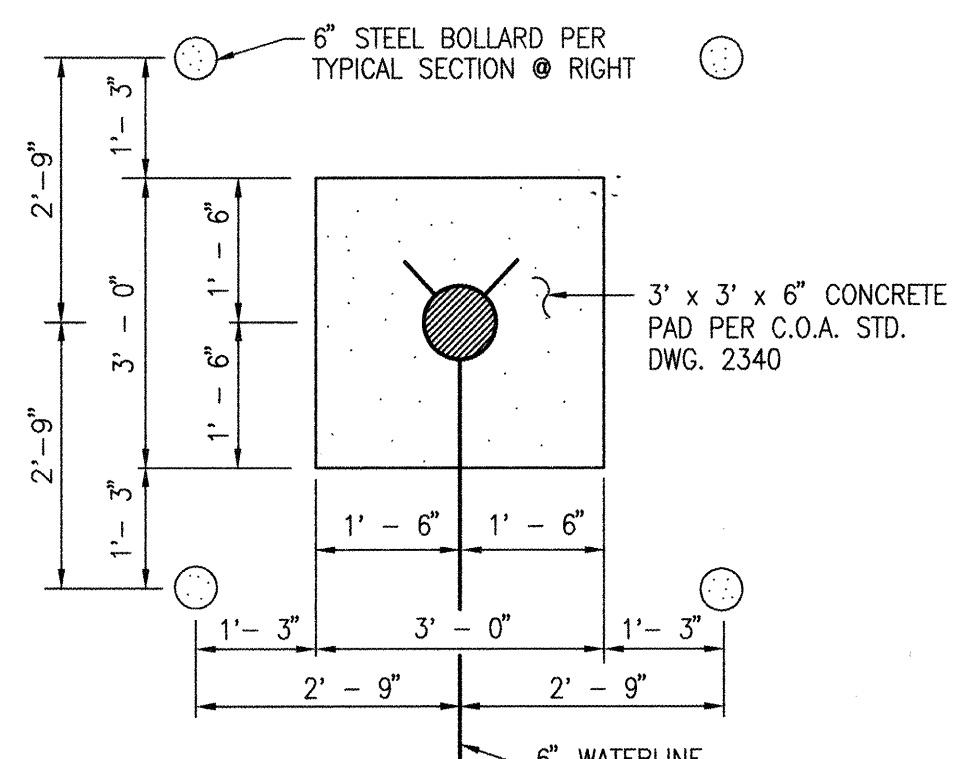
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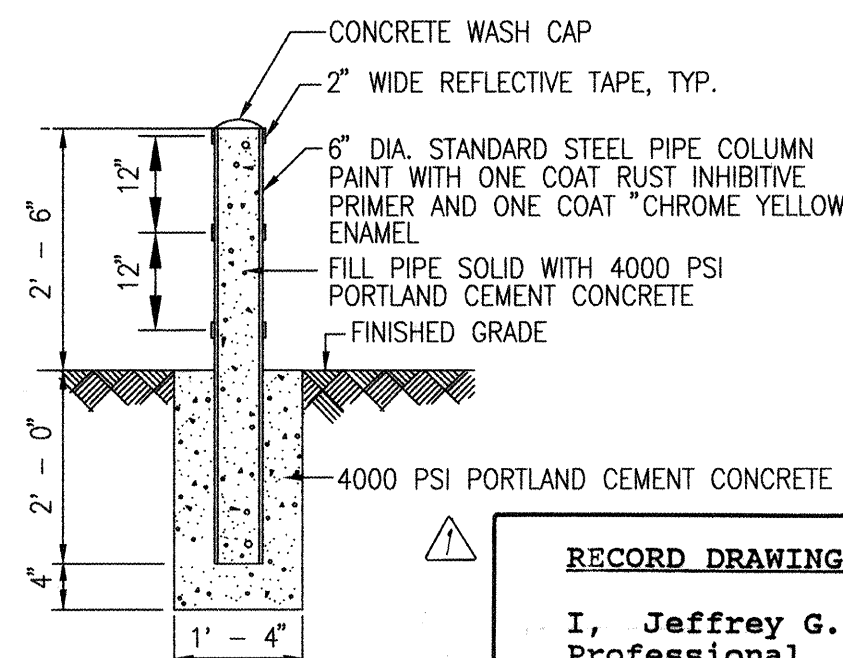
 BOLLARD DETAIL 1
SCALE: 1" = 2' - 0" 9,10,11



BOLLARD DETAIL

SCALE: 1" = 2' - 0"

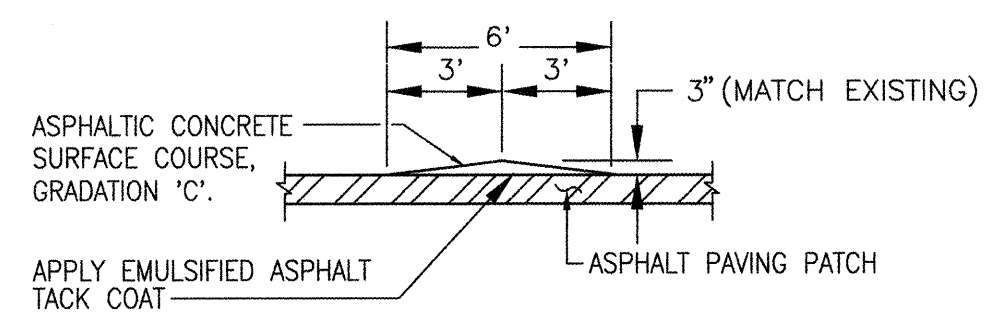
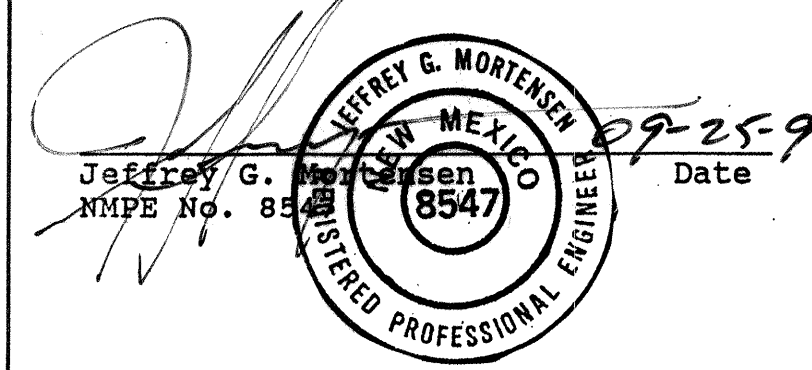
2
6



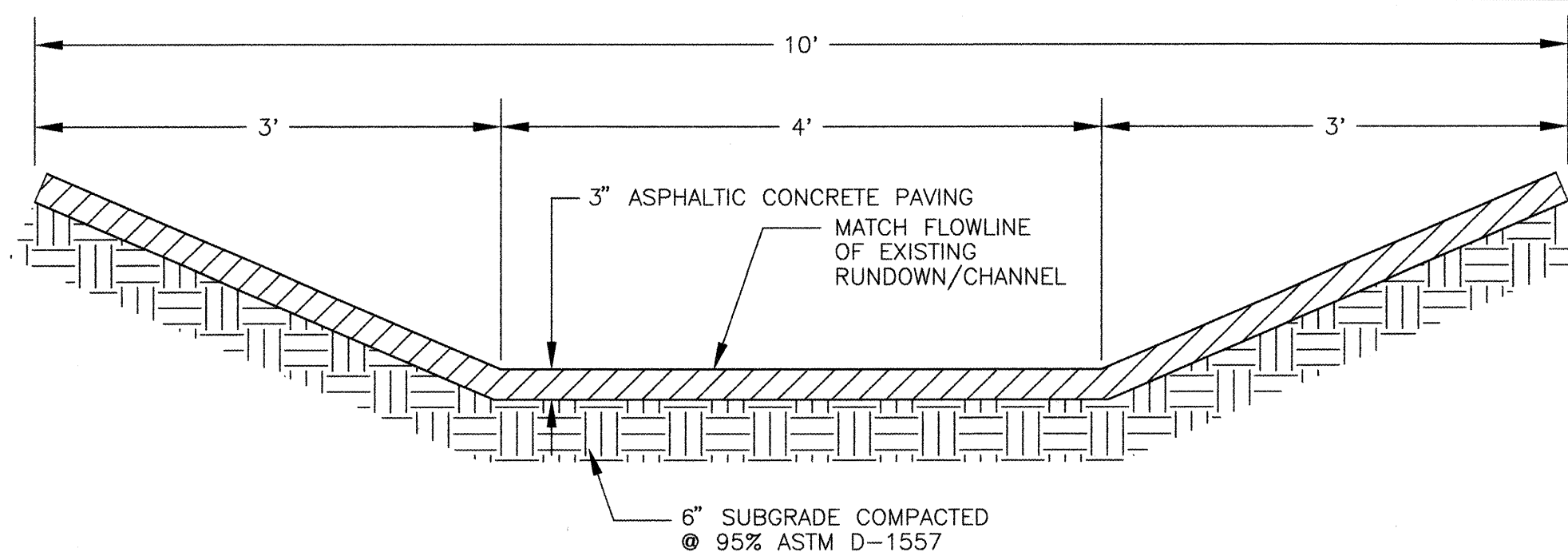
TYPICAL BOLLARD SECTION
SCALE: 1" = 2' - 0"

RECORD DRAWING

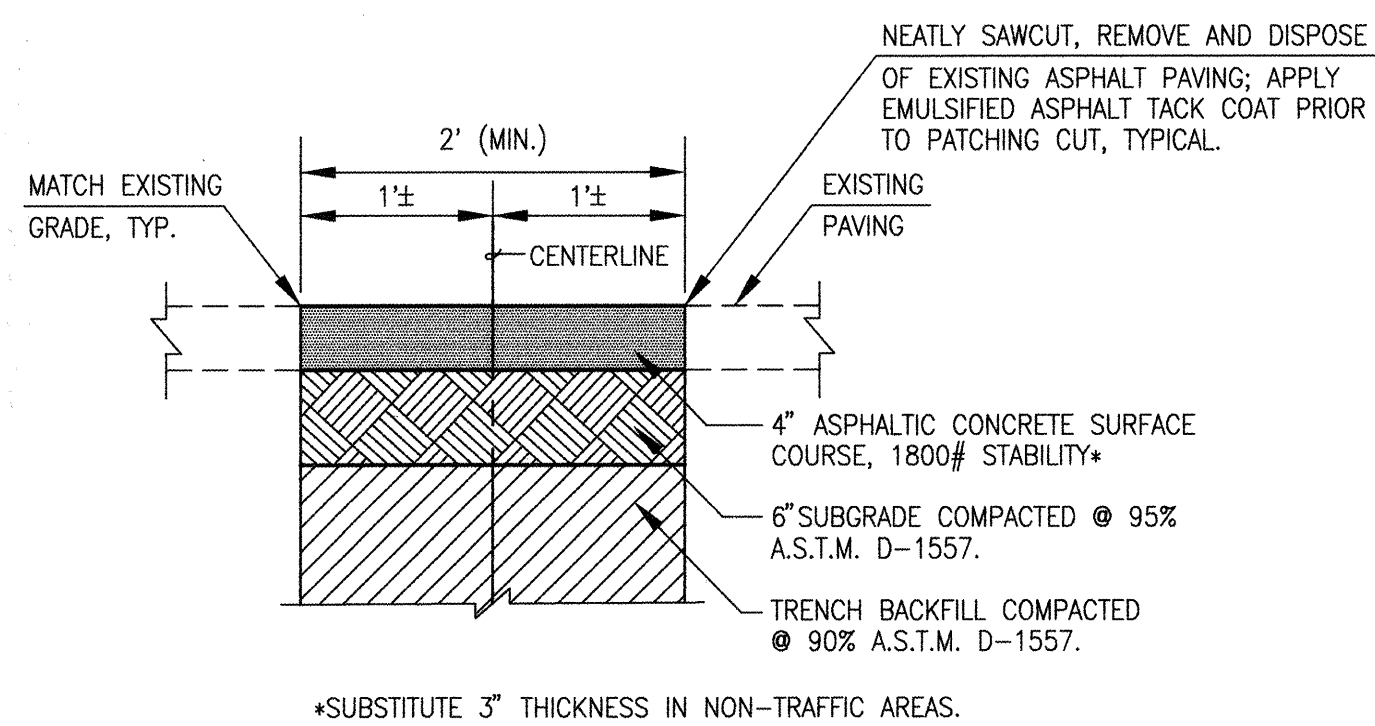
I, Jeffrey G. Mortensen, Registered Professional Engineer in the State of Mexico, do hereby certify that this "as-built" information was obtained by me or under my supervision and represents the "as-built" conditions of this project, and is true and correct to the best of my knowledge and belief. All vertical and horizontal dimensions should be field verified prior to use on future projects.



TYPICAL SPEED HUMP SECTION
SCALE: 1" = 5'

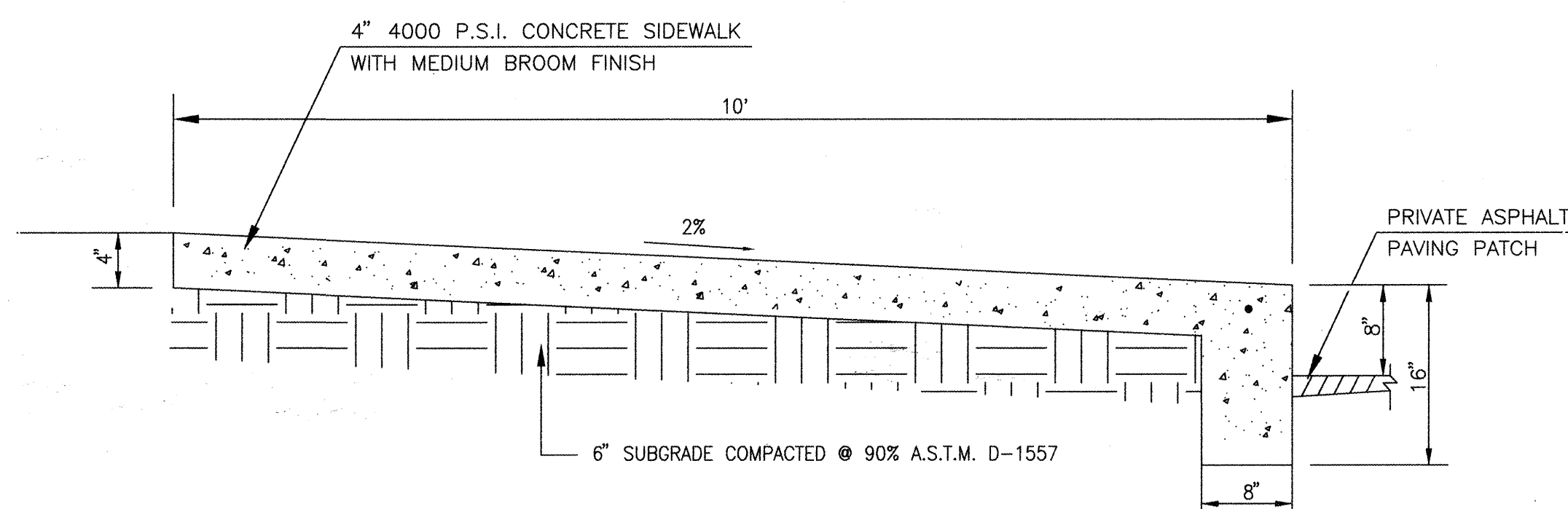


TYPICAL ASPHALT CHANNEL SECTION
SCALE: 1" = 1'

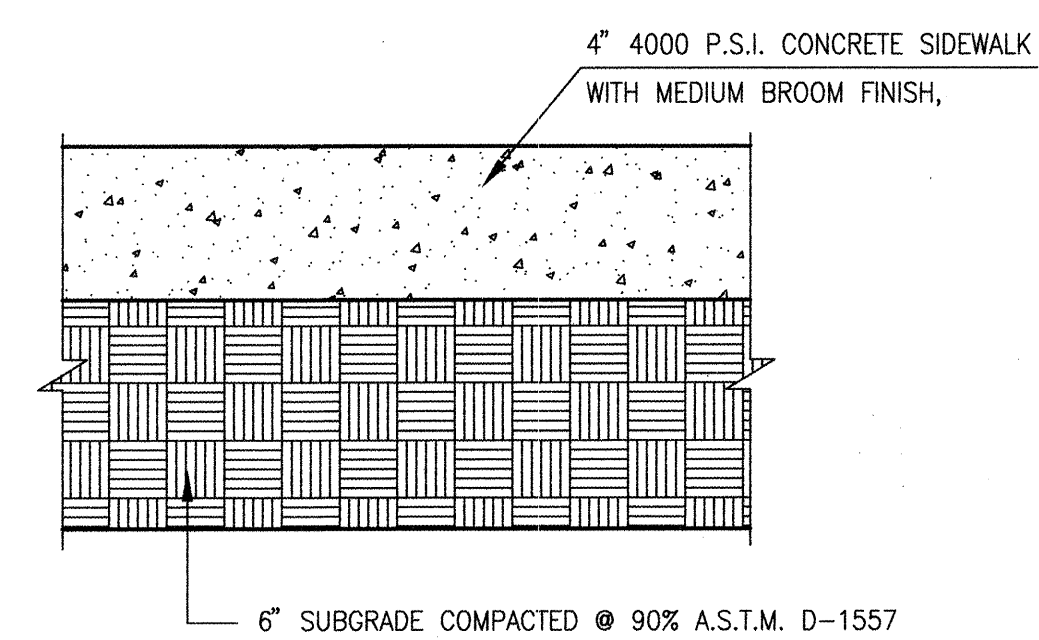


TYPICAL PRIVATE PAVING UTILITY CUT AND
PAVEMENT REPLACEMENT SECTION

SCALE: 1"=1'

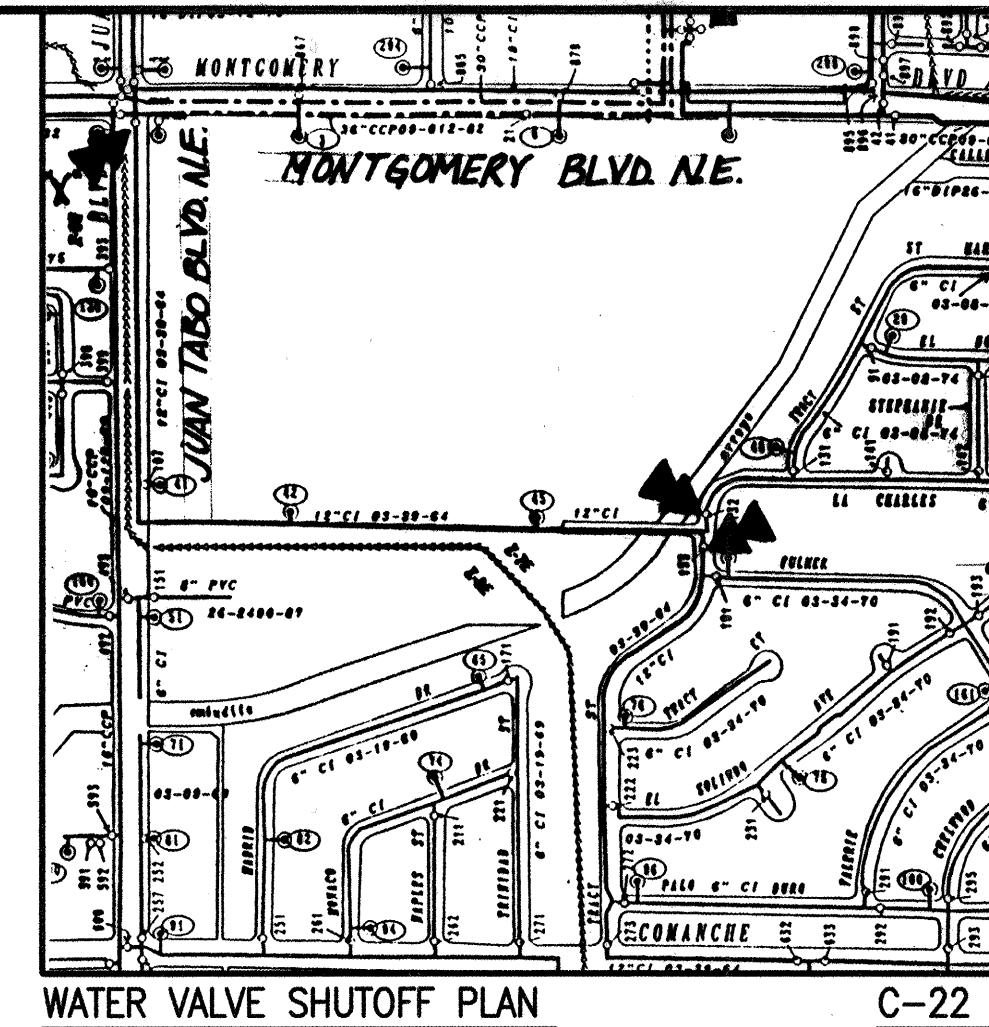


TURNDOWN SIDEWALK SECTION
SCALE: 1" = 1'-0"



TYPICAL CONCRETE SIDEWALK SECTION

SCALE: 1" = 5"

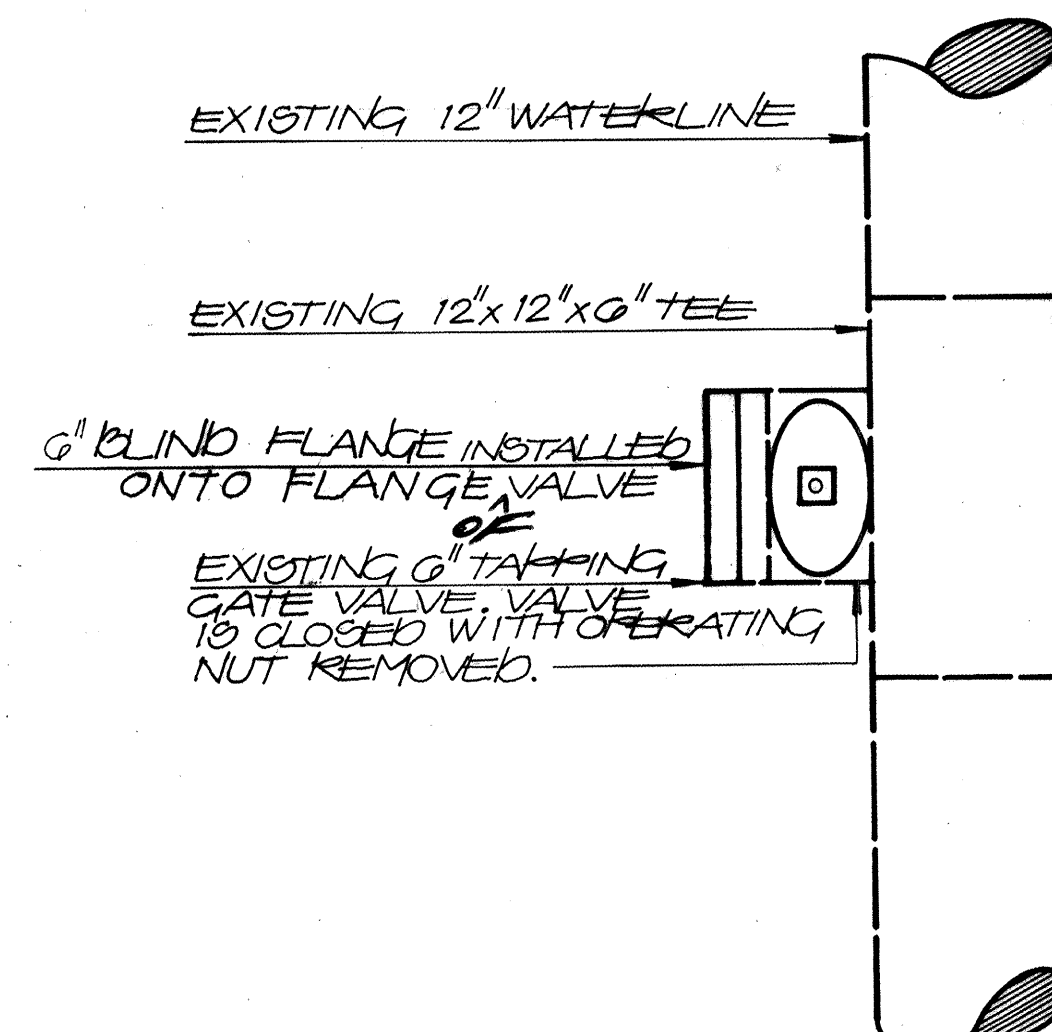


WATER VALVE SHUTOFF PLAN

WATER VALVE SHUTOFF PLAN:

1. AS A MINIMUM, THE FOLLOWING VALVES SHALL BE CLOSED TO FACILITATE THE PROPOSED LINE 'A' CONNECTION:

132, 133, 'X'
2. THE CONTRACTOR SHALL NOTIFY WATER SYSTEMS FIVE (5) WORKING DAYS IN ADVANCE OF ANY WORK THAT MAY AFFECT EXISTING WATERLINES. ALL SHUTOFFS SHALL BE PERFORMED BY WATER SYSTEM DIVISION PERSONNEL. (627-8200)
3. THE CONTRACTOR SHALL PROVIDE ALL RESTRAINTS AND THRUST BLOCKS NECESSARY TO EFFECT ALL NECESSARY SHUTOFFS AND CONNECTIONS.
4. EXISTING WATER VALVE AND WATERLINE INFORMATION OBTAINED FROM MAP G-22 OF THE CITY OF ALBUQUERQUE AUTOMATED WATER DISTRIBUTION SYSTEM SECTIONAL MAPS.
5. AT THE TIME OF WATER SHUTOFF APPLICATION, THE CONTRACTOR SHALL REQUEST THAT WATER SYSTEM DIVISION NOTIFY ALL AFFECTED PROPERTY OWNERS AT LEAST TWENTY-FOUR (24) HOURS IN ADVANCE OF THE RESPECTIVE SHUTOFFS.



⚠ AS-BUILT DETAIL 3
SCALE: 1" = 1'-0" 3

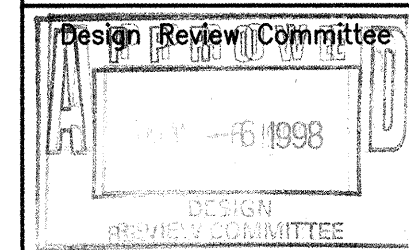
AS-BUILT & CERTIFY		ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
				FIELD NOTES					
				NO.	BY	DATE			
				961819	JMA	05/97	ACS BENCHMARK "B-521" A SQUARE * * CHISLED IN TOP OF CONCRETE CURB AT THE SOUTH--SOUTHEAST RETURN. LOCATED AT THE INTERSECTION OF JUAN TABO BLVD. N.E. AND THE ENTRANCE TO ELDORADO HIGH SCHOOL		WORKS BY J.M.A. SUPERVISORS INSPECTORS ACCEPTANCE BY M.D.B. FIELD LOCATION BY M.D.B. / J.M.A. DRAWINGS CORRECTED BY J.M.A. DATE 08/98
				971812	JMA	02/98	(JUAN TABO PLACE N.E. EXTENDED)		DATE 08/98
							ELEVATION = 5688.07 FEET (M.S.L.D.)		DATE 08/98
							MICRO-FILM INFORMATION		
							RECORDED BY		DATE
							NO.		



JEFF MORTENSEN & ASSOCIATES, INC.
☐ 6010-B MIDWAY PARK BLVD. N.E.
☐ ALBUQUERQUE ☐ NEW MEXICO 87109
☐ ENGINEERS ☐ SURVEYORS (505) 345-4250

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ELDORADO HIGH SCHOOL
WATERLINE EXTENSIONS
WATER VALVE SHUTOFF PLAN, SECTIONS AND DETAILS



City Engineer Approval

62

update

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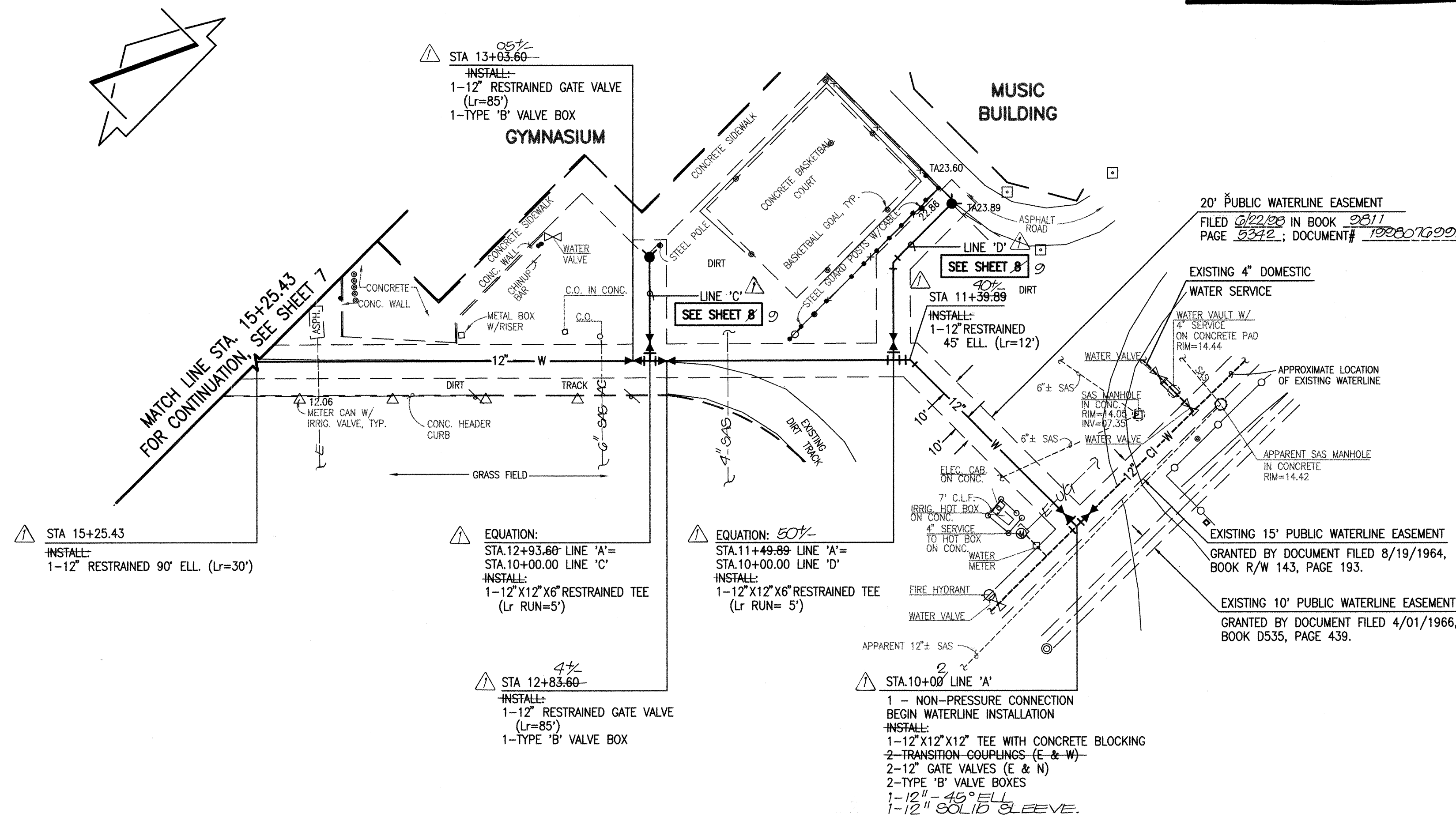
Last

City Project No. 588681

Zone Map No.	G-22
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Sheet	5 ^{Of}	13
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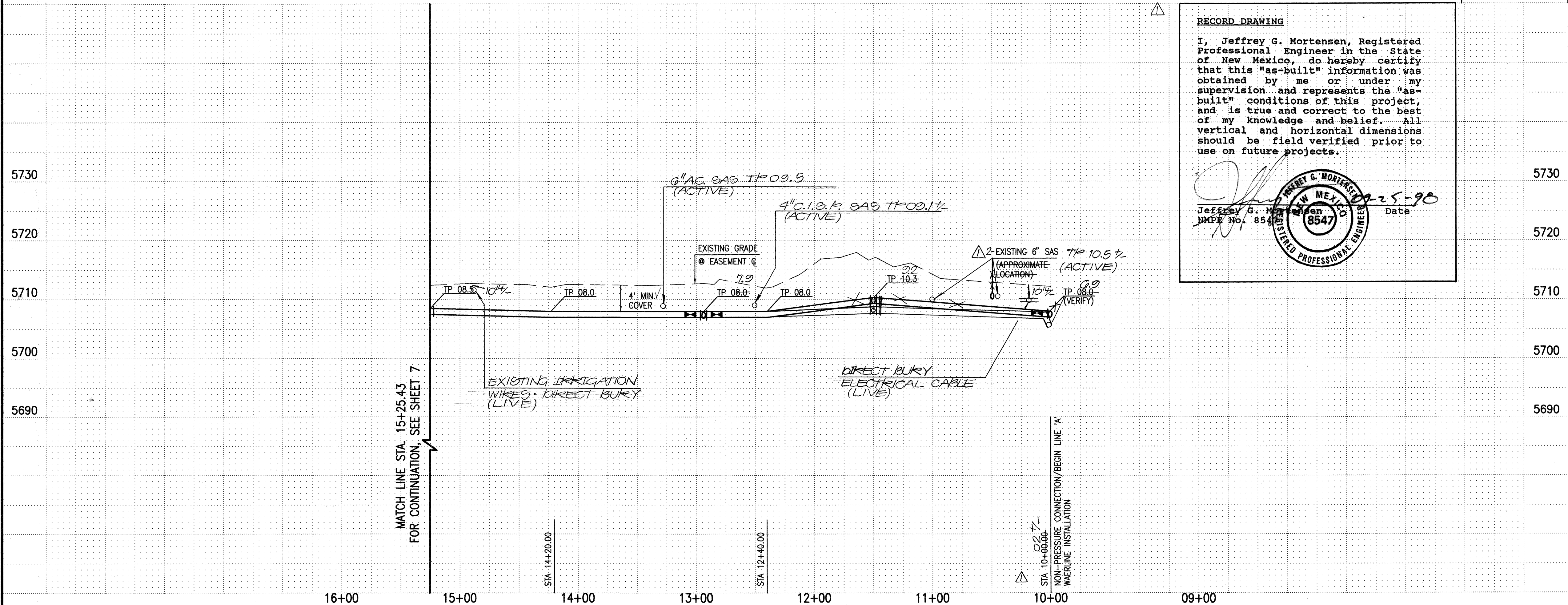
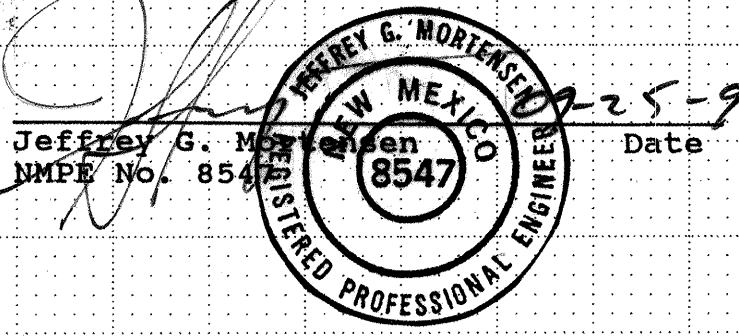


LINE 'A'

SCALE:
HORIZONTAL: 1" = 50'
VERTICAL: 1" = 10'

RECORD DRAWING

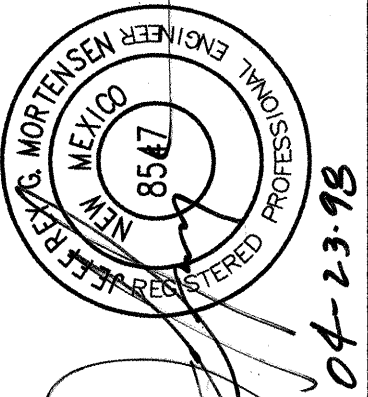
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WATERLINE CONSTRUCTION NOTES:

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AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	MCC INC.	DATE	06/98	NO.	981819	BY	JMA
INSPECTOR'S	JMA	DATE	08/98	NO.	971812	BY	JMA
ACCEPTANCE BY	M.D.S.	DATE	08/98	NO.		BY	
VERIFICATION BY	M.D.S./J.M.A.	DATE	08/98	NO.		BY	
DRAWINGS	JMA	DATE	08/98	NO.		BY	
RECORDED BY	JMA	DATE	08/98	NO.		BY	
NO.		DATE		NO.		BY	



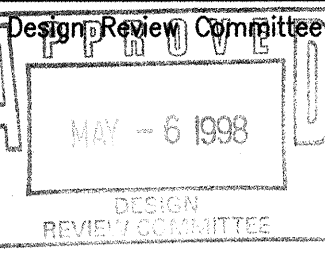
971806



JEFF MORTENSEN & ASSOCIATES, INC.
5010-9 MIDWAY PARK BLVD. NE
ALBUQUERQUE, NM 87109
ENGINEERS SURVEYORS (505) 345-4250

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE:
ELDORADO HIGH SCHOOL
WATERLINE EXTENSION PLAN AND PROFILE
LINE 'A' STA.10+00.00 TO STA.15+25.43



City Engineer Approval

Ms./Date/7/

Ms./Date/7/

Ms./Date/7/

Ms./Date/7/

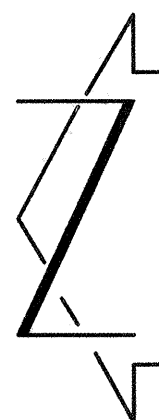
Ms./Date/7/

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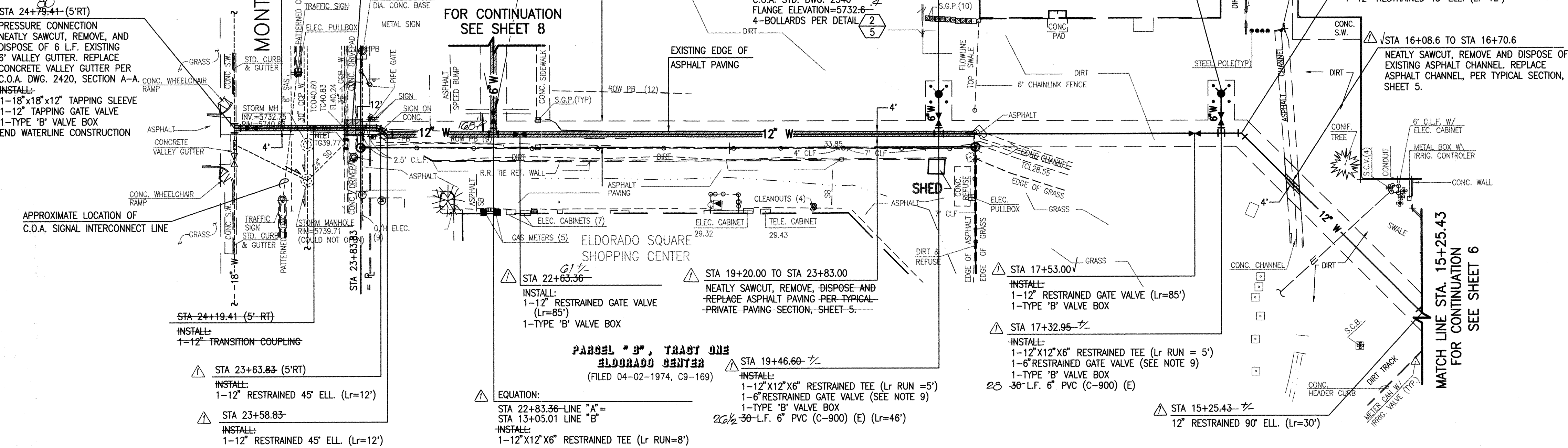
City Project No. 588681

Zone Map No. G-22

Sheet 6 of 13



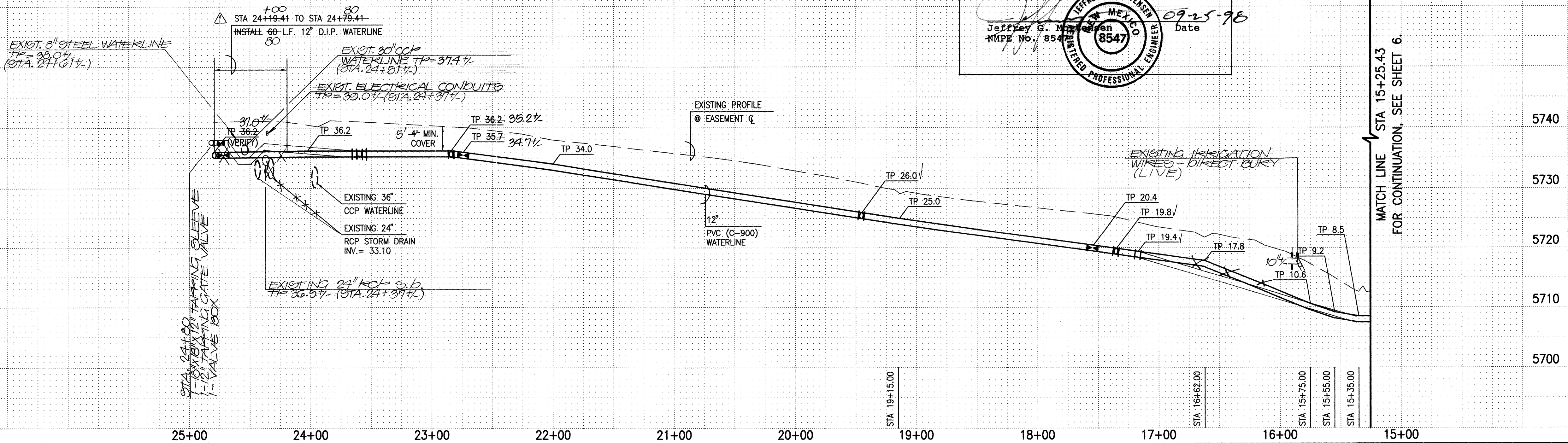
RECORD DRAWING



LINE "A"

SCALE:
HORIZONTAL: 1" = 50'
VERTICAL: 1" = 10'

RECORD DRAWING
I, Jeffrey G. Mortensen, Registered Professional Engineer in the State of New Mexico, do hereby certify that this "as-built" information was obtained by me or under my supervision and represents the "as-built" conditions of this project, and is true and correct to the best of my knowledge and belief. All vertical and horizontal dimensions should be field verified prior to use on future projects.
Jeffrey G. Mortensen
N.M.P.E. No. 8547
Date 09-25-98



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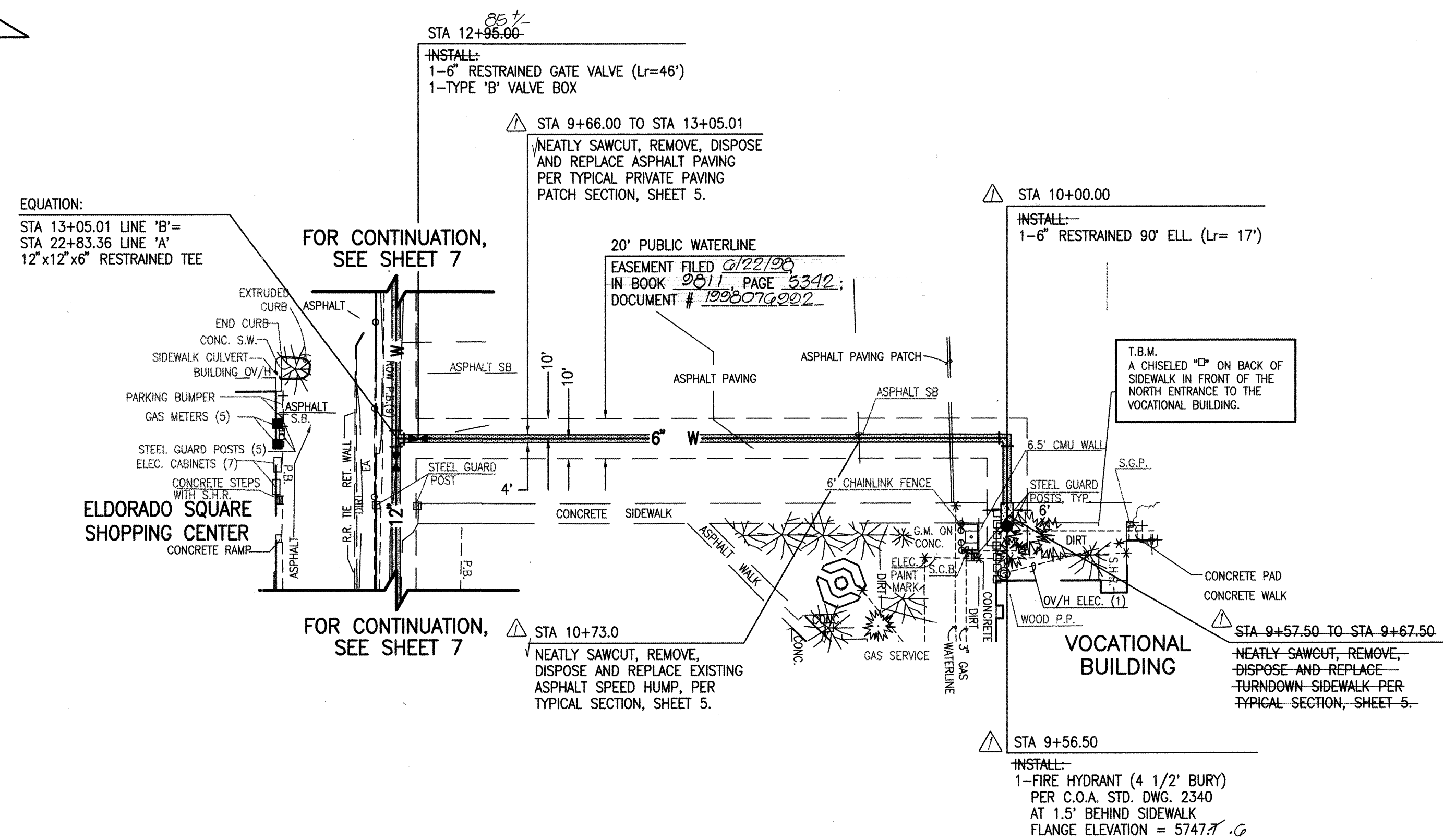
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ELDORADO HIGH SCHOOL
WATERLINE EXTENSION PLAN AND PROFILE
LINE "A" STA. 15+25.43 TO STA. 24+79.41

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	REVISIONS	DATE
APPROVED MAY - 6 1998 REVISED BY: JTM			
City Project No. 588681	Zone Map No. G-22	Sheet 7	Of 13

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	MCC ITC	DATE	08/98	NO.	DATE	DATE	DATE
INSPECTOR	JMA	DATE	08/98	BY	DATE	DATE	DATE
VERIFICATION	MDS/JMA	DATE	08/98	REMARKS	DESIGN	DESIGNED BY	04-23-98
CONDUCTED BY	JMA	DATE	08/98	NO.	DATE	DRAWN BY	
RECORDED BY		DATE		NO.	DATE	CHECKED BY	

RECORD DRAWING



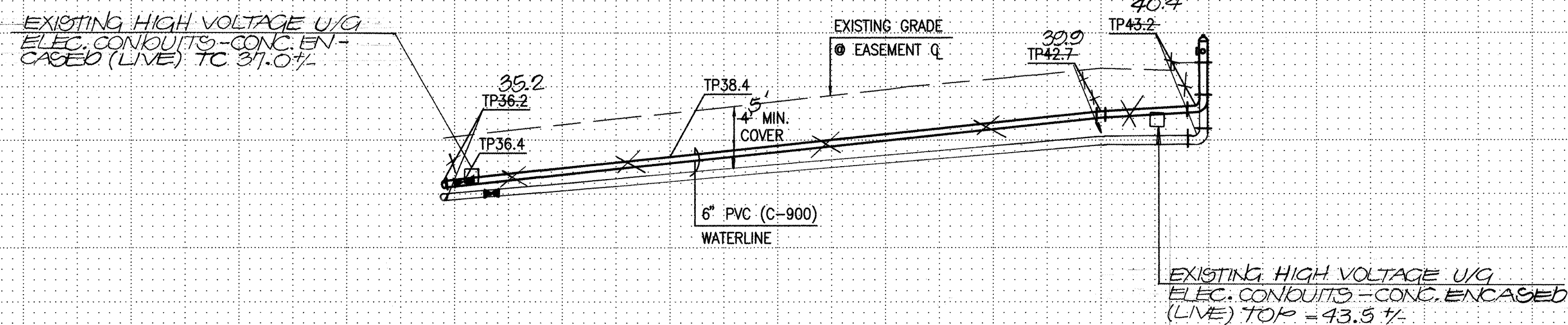
LINE "B"

SCALE:
HORIZONTAL: 1" = 50'
VERTICAL: 1" = 10'

RECORD DRAWING

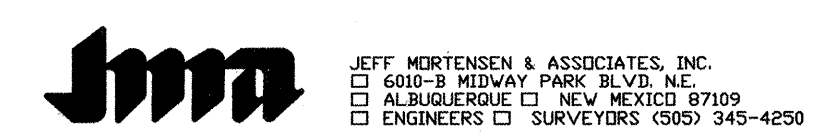
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Jeffrey G. Mortensen
Professional Engineer
No. 8547
Date 09-18-98



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AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		REVISIONS		DESIGN	
CONTRACTOR	MOORE INC.	AC.S. BENCHMARK	"B-021", A SQUARE "C" CHISELED IN TOP OF CONCRETE CURB AT THE SOUTH-SOUTHEAST RETURN LOCATED AT THE INTERSECTION OF JUAN TABO BLVD. N.E. AND JUAN TABO PLACE N.E.	DATE	05/97	DATE	02/98	DATE	02/98	DATE	04/98
WORK STARTED BY	J.M.A.	DATE	08/98	DATE	08/98	DATE	08/98	DATE	08/98	DATE	08/98
FIELD INSPECTION BY	M.D.S.	DATE	08/98	DATE	08/98	DATE	08/98	DATE	08/98	DATE	08/98
REVISIONS		DATE	08/98	DATE	08/98	DATE	08/98	DATE	08/98	DATE	08/98
DESIGNED BY	J.M.A.	DATE	08/98	DATE	08/98	DATE	08/98	DATE	08/98	DATE	08/98
DRAWN BY	J.M.A.	DATE	08/98	DATE	08/98	DATE	08/98	DATE	08/98	DATE	08/98
CHECKED BY	J.M.A.	DATE	08/98	DATE	08/98	DATE	08/98	DATE	08/98	DATE	08/98
RECORDED BY	J.M.A.	DATE	08/98	DATE	08/98	DATE	08/98	DATE	08/98	DATE	08/98
NO.		DATE	08/98	DATE	08/98	DATE	08/98	DATE	08/98	DATE	08/98



CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ELDORADO HIGH SCHOOL
WATERLINE EXTENSION PLAN AND PROFILE
LINE "B" STA. 9+56.50 TO STA. 13+05.01

City Project No. 588681 Zone Map No. G-22 Sheet 8 of 13

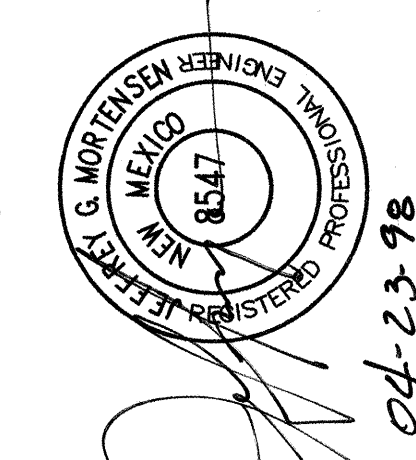
Design Review Committee: MAY - 6 1998
City Engineer Approval: [Signature]
Last Design Update: [Signature]

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WATERLINE CONSTRUCTION NOTES:

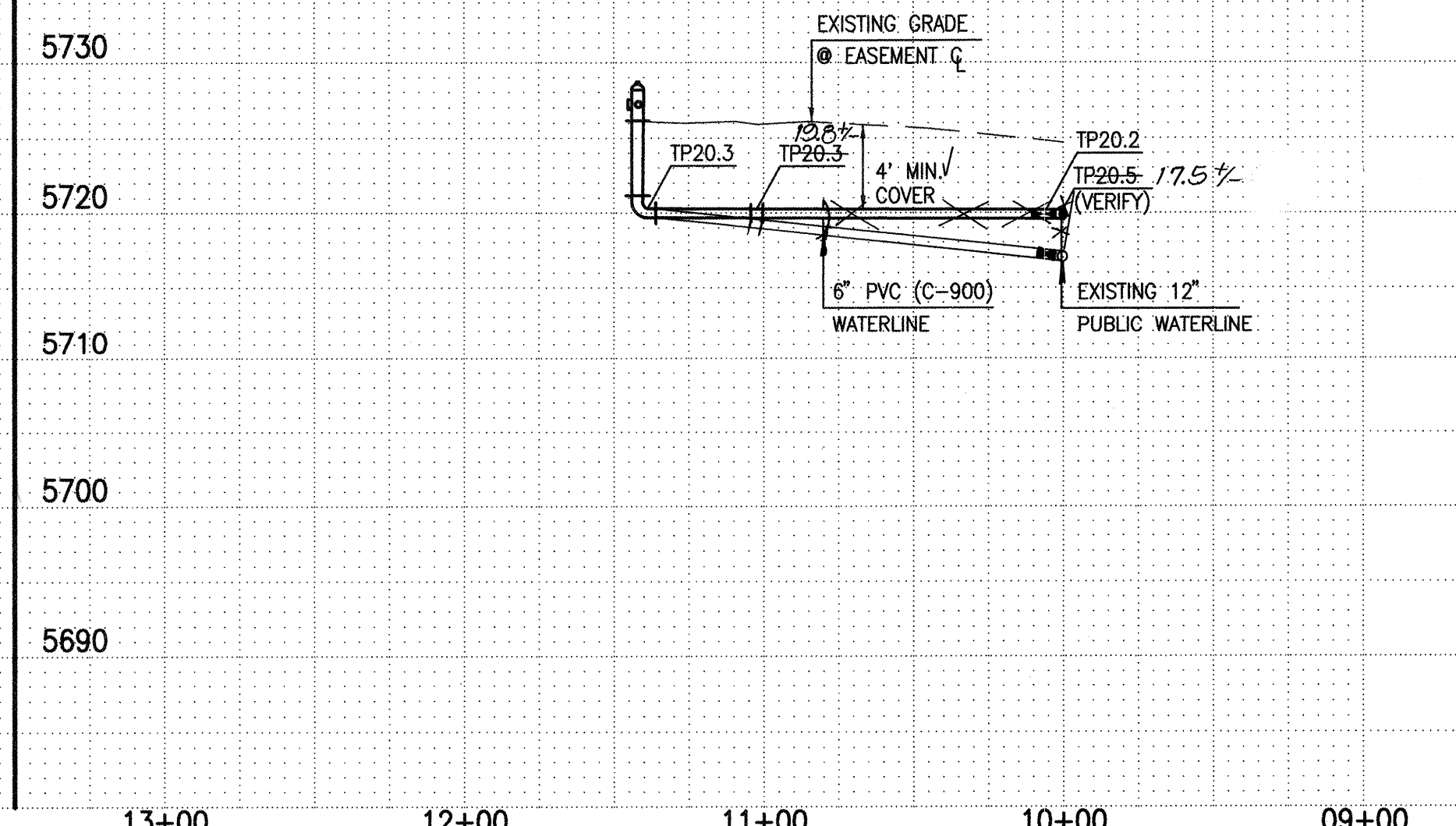
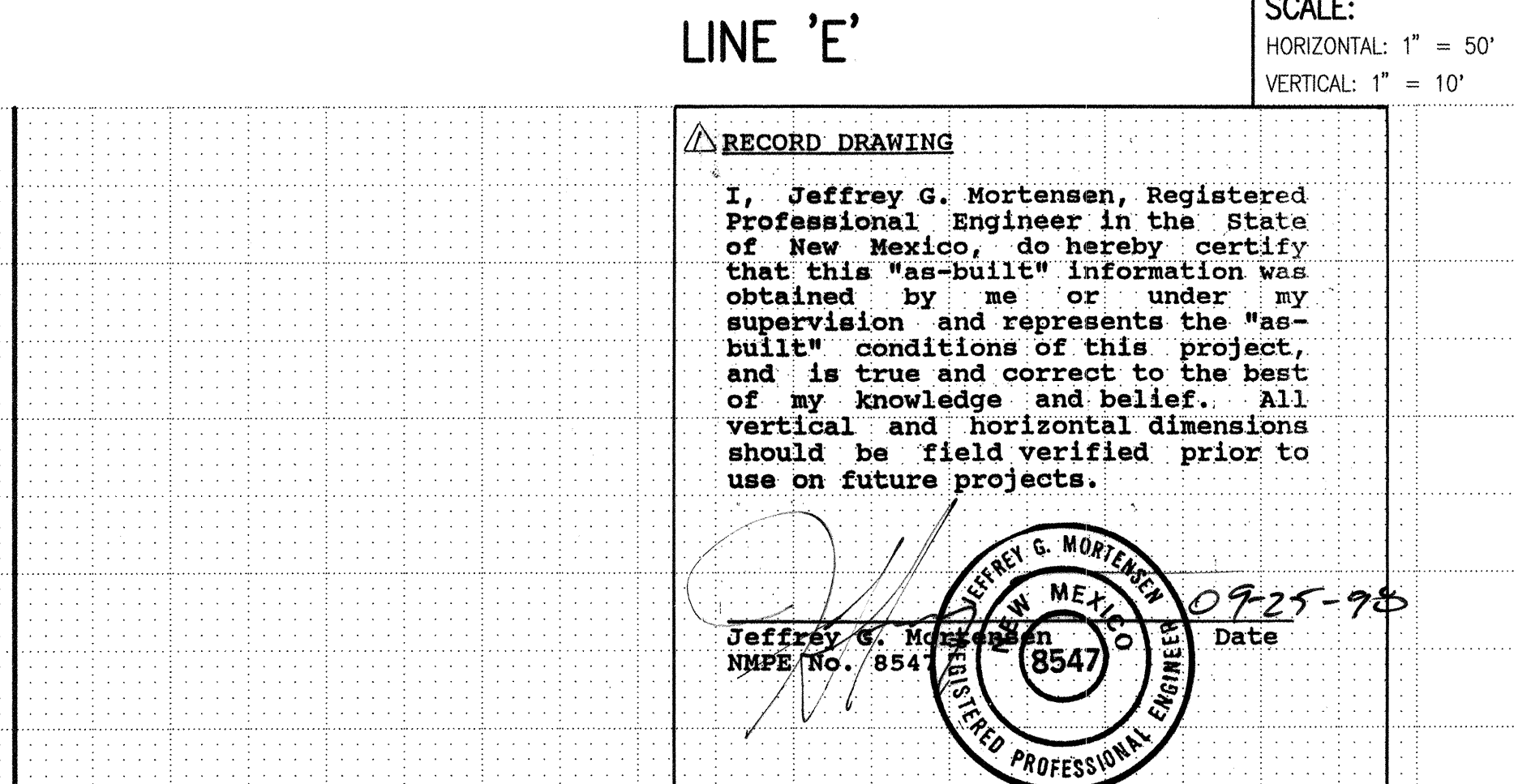
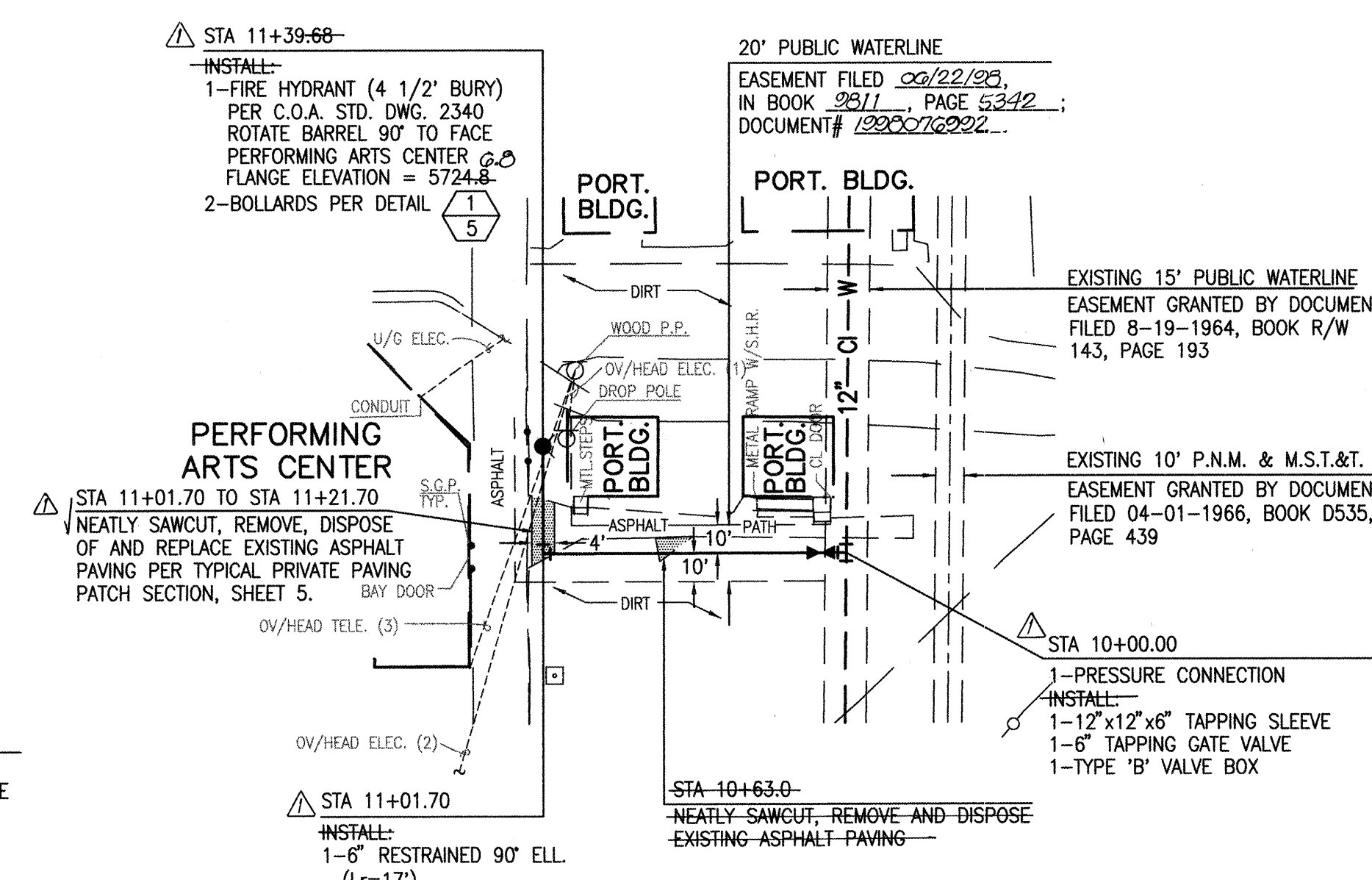
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ENGINEER'S SEAL				SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION		
M.D.S.				FIELD NOTES		NO.		CONTRACTOR MCC INC.		
				BY	DATE					
BY				961819	JMA	05/97	A.C.S. BENCHMARK "8-G21", A SQUARE "□" CHISELED IN TOP OF CONCRETE CURB AT THE SOUTH-SOUTHEAST RETURN LOCATED AT THE INTERSECTION OF JUAN TABO BLVD. N.E. AND JUAN TABO PLACE N.E.		WORK STARTED BY M.D.S.	DATE 06/98
				971812	JMA	02/98	ELEVATION = 5886.07 FEET (M.S.L.D.)		FIELD CHECKED BY J.M.A.	DATE 06/98
Revisions									NO.	DATE
DESIGN									MICRO-FILM INFORMATION	
Designed By									RECORDED BY	DATE
Drawn By									NO.	
Checked By										
J.G.M.										
Date										
03/98										
04-23-98										



JEFF MORTENSEN & ASSOCIATES, INC.
6809 S. MEADOW PARK BLVD. NE
ALBUQUERQUE, NEW MEXICO 87109
ENGINEERS & SURVEYORS 1982 245-4250

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP	
TITLE: ELDERADO HIGH SCHOOL WATERLINE EXTENSIONS PLAN AND PROFILE LINE 'C', LINE 'D' AND LINE 'E'	
Design Review Committee	City Engineer Approval
Mo./Day/Yr.	Mo./Day/Yr.
City Project No. 588681	Zone Map No. G-22
Sheet 9	Of 13

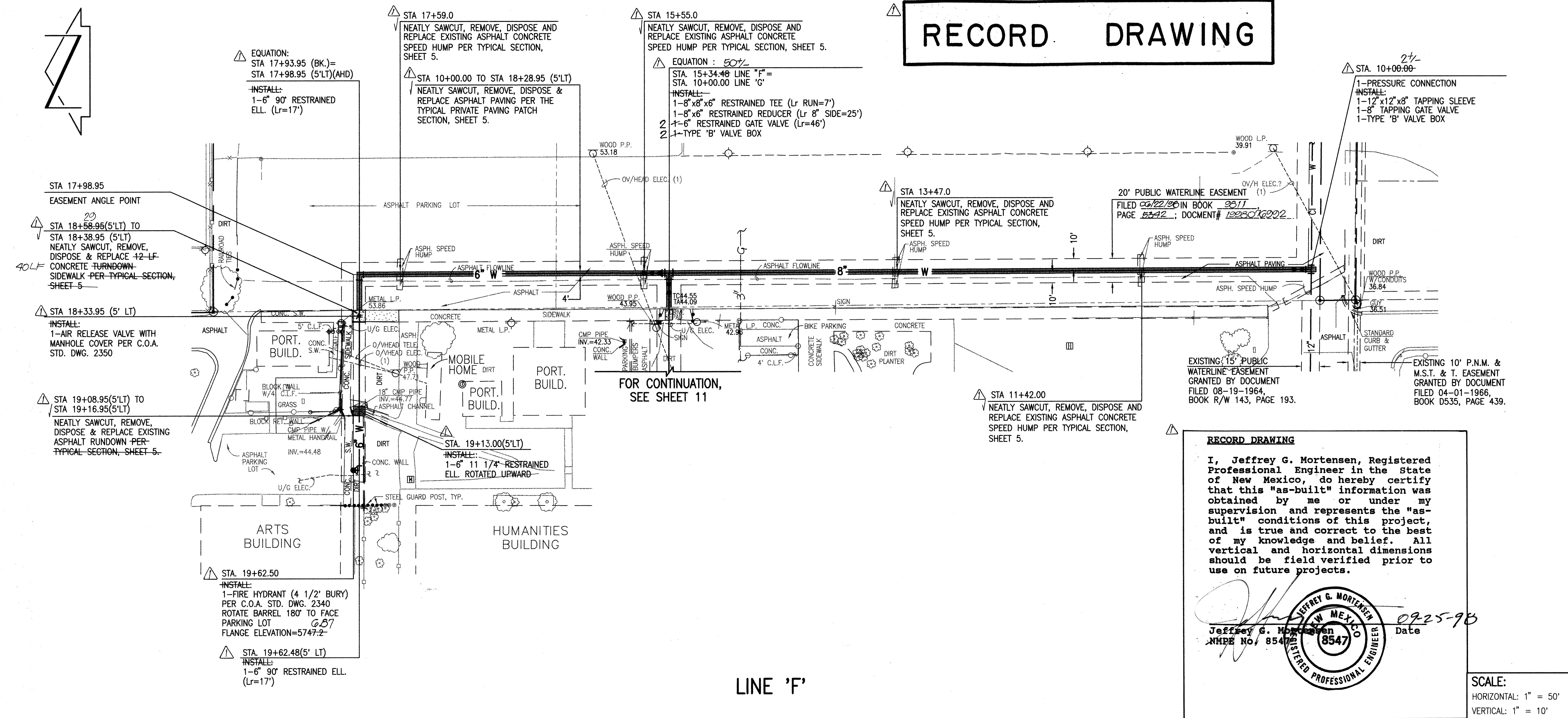


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Jeffrey G. Mortensen
NMPE No. 8547
Date 09-25-98

SCANNED BY
MESA REPRO

RECORD DRAWING

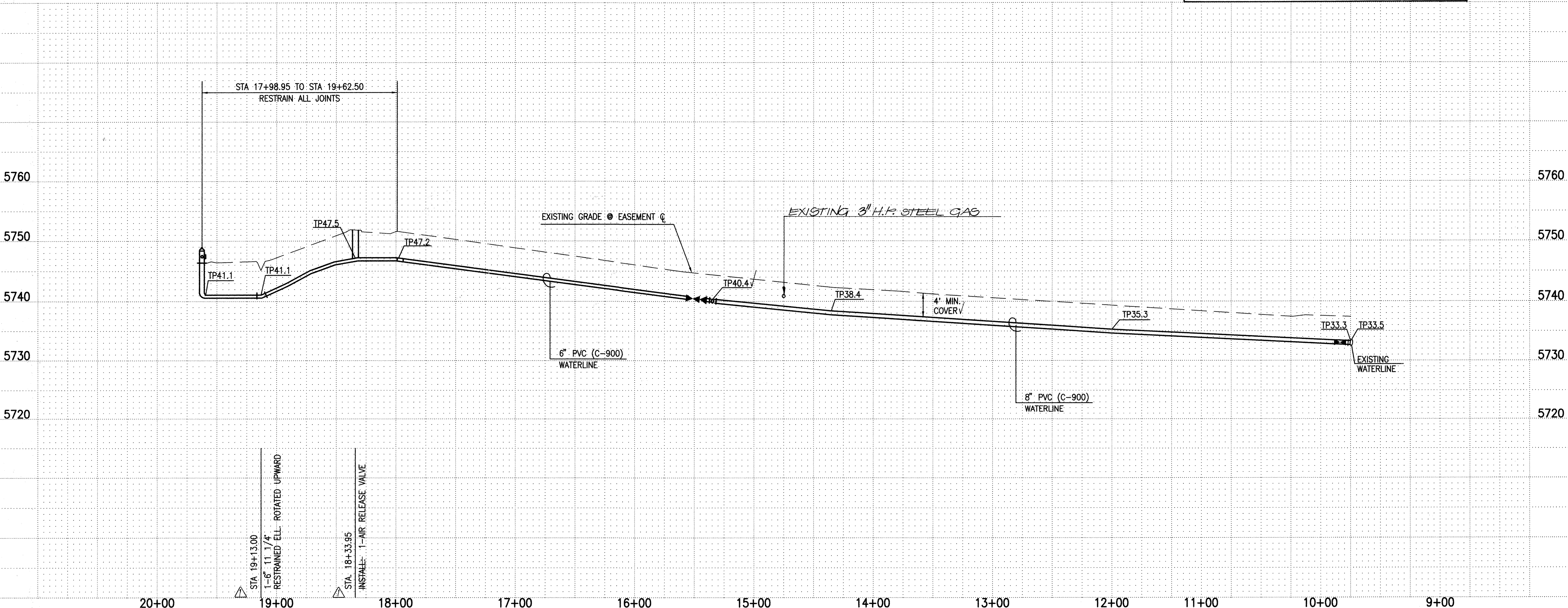


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Jeffrey G. Mortensen
N.M.P.E. No. 8547
Date 09-25-98

SCALE:
HORIZONTAL: 1" = 50'
VERTICAL: 1" = 10'



WATERLINE CONSTRUCTION NOTES:

- ALL STATIONING IS BASED ON EASEMENT CENTERLINE UNLESS INDICATED OTHERWISE.
- FOR ALL LINES 12" AND SMALLER, WATER MAIN SHALL BE PVC C-900 PIPE OR AS APPROVED BY THE CITY OF ALBUQUERQUE CITY ENGINEER. DUCTILE IRON IS AN ACCEPTABLE PIPE MATERIAL IN LIEU OF PVC.
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- ELECTRONIC MARKER DISCS (EMD) SHALL BE INSTALLED IN ACCORDANCE WITH THE STANDARD SPECIFICATION.
- IN ACCORDANCE WITH SECTION 801 OF THE "STANDARD SPECIFICATIONS", METALIZED DETECTABLE WARNING TAPE SHALL BE INSTALLED 18" ABOVE ALL PVC PIPE INSTALLED ON THIS PROJECT.
- 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.
- JOINT RESTRAINT SHALL BE CONSIDERED INCIDENTAL TO WATERLINE CONSTRUCTION THEREFORE NO SEPARATE PAYMENT WILL BE MADE.
- JOINT RESTRAINT SHALL BE PROVIDED ON ALL JOINTS OF FIRE HYDRANT LEGS FROM TEE (OR ELL.) TO FIRE HYDRANT INCLUDING THE TEE (OR ELL.) AND FIRE HYDRANT UNLESS OTHERWISE NOTED.
- FOR THE PURPOSES OF THIS PROJECT, ALL RESTRAINED JOINTS AND JOINT RESTRAINT SHALL BE MECHANICALLY RESTRAINED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING, SUPPORTING AND REPLACING, IF DAMAGED, ALL OTHER UTILITIES ENCOUNTERED DURING CONSTRUCTION. THIS SHALL BE INCIDENTAL TO CONSTRUCTION, THEREFORE, NO SEPARATE PAYMENT WILL BE MADE.
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971806

City of Albuquerque
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

ELDERADO HIGH SCHOOL
WATERLINE EXTENSION PLAN AND PROFILE
LINE 'F' STA. 10+00.00 TO STA. 19+62.50

City Engineer Approval

Design Review Committee

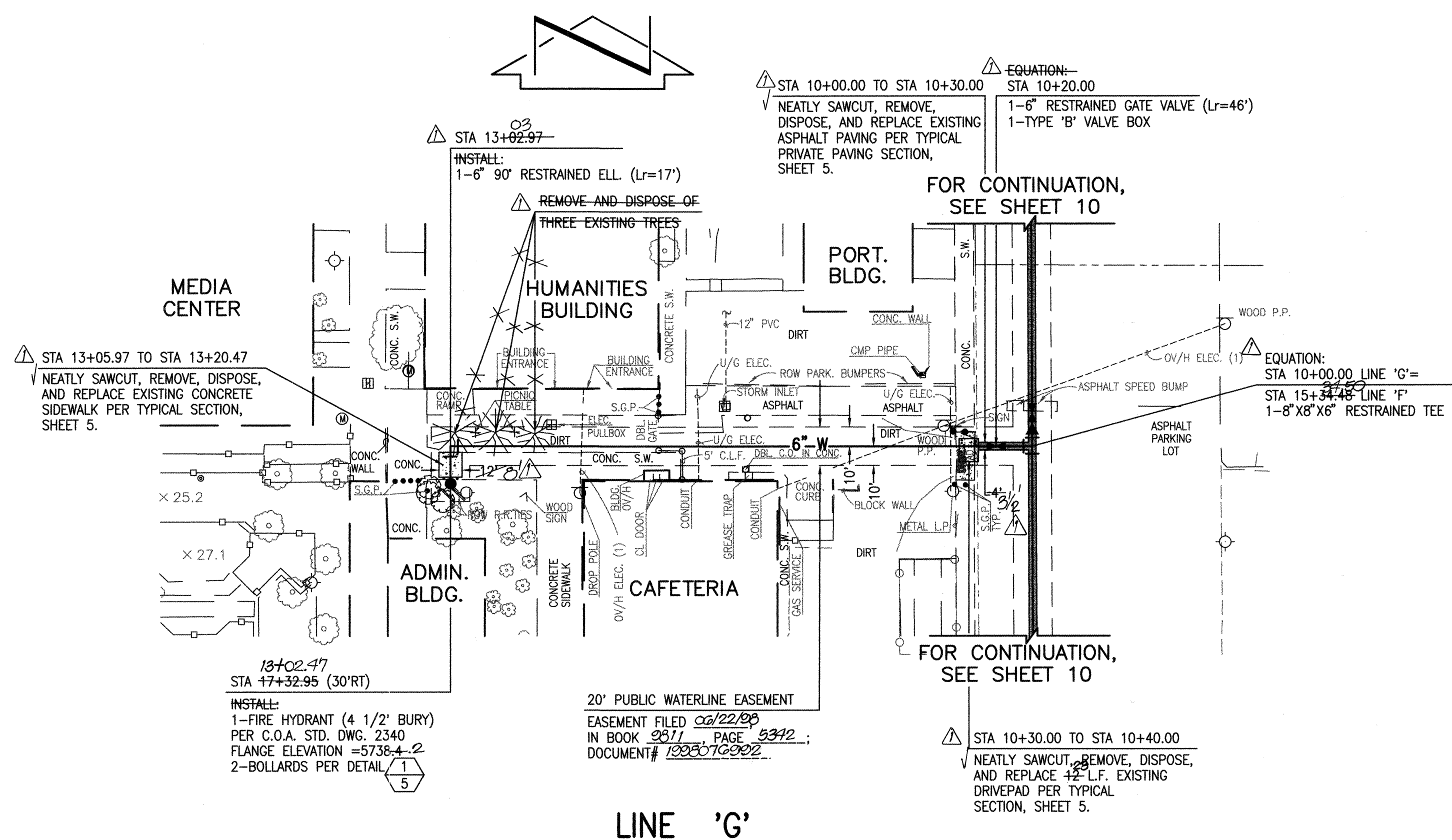
MAILED MAY - 6 1998

DESIGN REVIEW COMMITTEE

City Project No. 588681 Zone Map No. G-22 Sheet 10 of 13

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
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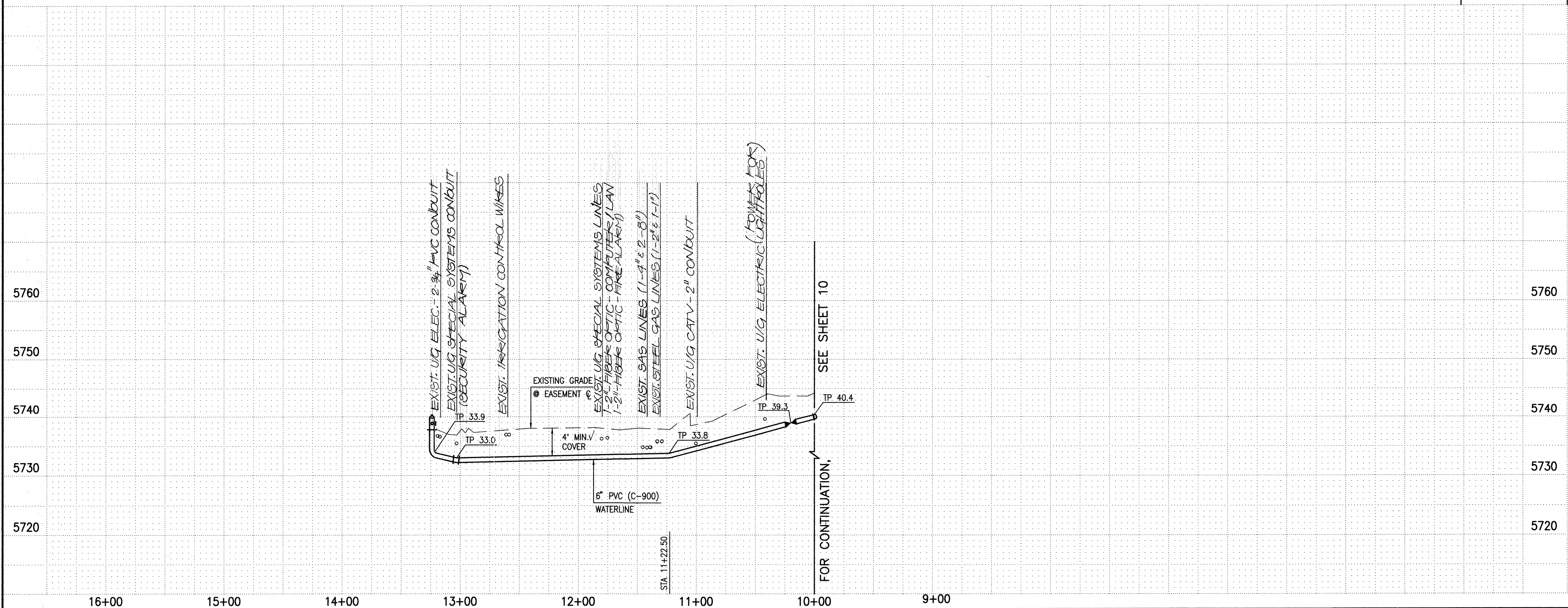


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AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		REVISIONS		DESIGN	
CONTRACTOR	MCC INC.	DATE	08/28/98	DATE	05/97	DATE	02/98	DATE	02/98	DATE	03/98
STARTED BY	J.M.A.	DATE	08/28/98	BY	JMA	DATE	02/98	DATE	02/98	DATE	03/98
INSPECTOR'S	M.D.S.	DATE	08/28/98	NO.	961819	DATE	02/98	DATE	02/98	DATE	03/98
FIELD VERIFICATION BY	M.D.S./J.M.A.	DATE	08/28/98	NO.	971812	DATE	02/98	DATE	02/98	DATE	03/98
CORRECTED BY	J.M.A.	DATE	08/28/98	NO.		DATE	02/98	DATE	02/98	DATE	03/98
RECORDED BY		DATE		NO.		DATE	02/98	DATE	02/98	DATE	03/98

971806

Jim JEFF MORTENSEN & ASSOCIATES, INC.
6010-B MIDWAY PARK BLVD. NE.
ALBUQUERQUE, NM 87109
ENGINEERS © SURVEYORS (505) 345-4250

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: ELDERADO HIGH SCHOOL
WATERLINE EXTENSION PLAN AND PROFILE
LINE 'G' STA. 10+00.00 TO STA. 13+21.97

City Engineer Approval
City Engineer
MAY - 6 1998
DESIGN REVIEW COMMITTEE

City Project No. 588681
Zone Map No. G-22
Sheet 11 of 13

CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

1. CONTRACTOR MUST OBTAIN FROM CONSTRUCTION COORDINATION AN EXCAVATION/BARRICADING PERMIT BEFORE ENGAGING IN ANY CONSTRUCTION, MAINTENANCE OR REPAIR WORK IN ANY OF THE CITY OF ALBUQUERQUE'S RIGHTS-OF-WAY. EMERGENCY WORK THAT WOULD PRESERVE LIFE OR PROPERTY IS EXCLUDED WITH THE UNDERSTANDING, THAT A PERMIT SHALL BE OBTAINED WITHIN 24 TO 48 HOURS.

2. CONTRACTOR SHALL AT THE TIME OF PERMIT REQUEST, SUBMIT FOR APPROVAL BY CONSTRUCTION COORDINATION, A TRAFFIC CONTROL PLAN DETAILING ALL EXISTING TOPOGRAPHY SUCH AS LANE WIDTHS, DRIVEWAYS, AND BUSINESS/RESIDENTIAL ACCESSES. THE TRAFFIC CONTROL PLAN SHALL INCLUDE ALL PHASES OF WORK AND SCHEDULES INVOLVED IN THE CONSTRUCTION PROJECT. ANY SEPARATE PHASES OF A CONSTRUCTION PROJECT SHALL BE GIVEN AN INDIVIDUAL PERMIT EACH. BLANKET PERMITS WILL NOT BE ISSUED.

3. THESE TYPICAL TRAFFIC CONTROL PLANS DO NOT REFLECT THE EXISTING TOPOGRAPHY SUCH AS DRIVEWAYS, LANE WIDTHS, AND BUSINESS/RESIDENTIAL ACCESSES. EVERY LOCATION THAT REQUIRES CONSTRUCTION TRAFFIC CONTROL SHALL HAVE A DETAILED TRAFFIC CONTROL PLAN SHOWING ALL EXISTING TOPOGRAPHY.

4. CONSTRUCTION SHALL NOT BEGIN UNLESS A TRAFFIC CONTROL PLAN HAS BEEN APPROVED AND VERIFIED BY CONSTRUCTION COORDINATION.

5. CONSTRUCTION COORDINATION SHALL BE NOTIFIED 48 HOURS PRIOR TO ANY TRAFFIC CONTROL CHANGES NEEDED BY CONTRACTOR, THAT WERE NOT PREVIOUSLY APPROVED. THESE TRAFFIC CONTROL CHANGES SHALL BE REQUESTED IN WRITING ACCOMPANIED WITH A TRAFFIC CONTROL PLAN REFLECTING SUCH CHANGES.

6. ALL CONSTRUCTION TRAFFIC CONTROL DEVICES SHALL COMPLY TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL, SERVICE AND MAINTAIN ALL TRAFFIC CONTROL DEVICES. TRAFFIC CONTROL DEVICES SHALL NOT BE REMOVED OR ALTERED IN ANY WAY WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION, PER SECTION 6A.4 OF THE MUTCD, LATEST EDITION.

7. THE CONSTRUCTION TRAFFIC CONTROL INITIAL SET-UP SHALL BE BY AN AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) CERTIFIED WORKSITE TRAFFIC SUPERVISOR. THE MAINTENANCE AND SERVICING SHALL ALSO BE DONE BY AN ATSSA CERTIFIED WORKSITE TRAFFIC SUPERVISOR OR EQUIVALENT.

8. CONTRACTOR IS RESPONSIBLE TO MAINTAIN AND SERVICE ALL TRAFFIC CONTROL DEVICES 24 HOURS A DAY, 7 DAYS A WEEK THROUGHOUT LENGTH OF PROJECT. CONTRACTOR IS RESPONSIBLE THAT ALL TRAFFIC CONTROL DEVICES COMPLY WITH THE MUTCD, LATEST EDITION.

9. ALL ADVANCE WARNING SIGNS SHALL BE DOUBLE INDICATED WHENEVER THERE ARE MULTI-LANE TRAFFIC IN ANY ONE GIVEN DIRECTION AND THERE IS SUFFICIENT MEDIAN SPACE.

10. ALL BARRICADES IN ALL TAPERS AND TANGENTS SHALL BE PLACED APART, A DISTANCE MEASURED IN FEET, EQUAL TO THAT OF THE POSTED SPEED LIMIT. NO EXCEPTIONS UNLESS APPROVED BY CONSTRUCTION COORDINATION PER MUTCD SECTION 6A-4.

11. ALL WORK IN ARTERIAL ROADWAYS SHALL BE ON A CONTINUOUS 24-HOUR PER DAY BASIS UNTIL COMPLETED.

12. CONTRACTOR IS RESPONSIBLE TO PROVIDE CONSTRUCTION COORDINATION, A WEEKLY LOG OF DAILY INSPECTIONS OF BARRICADE AND MAINTENANCE SCHEDULES ON PROJECTS THAT ARE OVER ONE WEEK DURATION.

13. EQUIPMENT OR MATERIALS SHALL NOT BE STORED WITHIN 15 FEET OF A TRAVELLED TRAFFIC LANE DURING NON-WORKING HOURS WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.

14. CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELIZING PEDESTRIAN TRAFFIC AROUND AND THROUGH THE CONSTRUCTION AREA.

15. CONTRACTOR IS RESPONSIBLE FOR OBLITERATION OF ANY CONFLICTING STRIPING AND RESPONSIBLE FOR ALL TEMPORARY STRIPING.

16. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL FACILITIES, BUSINESSES AND/OR RESIDENTS AT ALL TIMES.

17. CONTRACTOR SHALL PROVIDE ACCESS SIGNS FOR BUSINESSES LOCATED WITHIN THE CONSTRUCTION AREA UNDER THE SUPERVISION OF CONSTRUCTION COORDINATION. EACH ACCESS SIGN SHALL HAVE 5 INCH, WHITE OPAQUE LETTERING ON BLUE REFLECTORIZED BACKGROUND. ACCESS SIGNS SHALL BE CONSIDERED INCIDENTAL TO THE BID AND NOT PART OF THE CONTRACT UNLESS OTHERWISE STATED. NO MORE THAN 3 BUSINESSES SHALL BE LISTED ON A ACCESS SIGN SHOPPING CENTERS AND MALLS SHALL BE LISTED AS SUCH.

18. ALL ADVANCE WARNING SIGNS SHALL MEET THE MINIMUM REFLECTIVE INTENSITY REQUIREMENTS SET FORTH BY THE CITY OF ALBUQUERQUE. CONSTRUCTION COORDINATION SHALL DETERMINE ALL REQUIREMENTS AND APPROVE OR DISAPPROVE ANY ADVANCE WARNING SIGN PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.

19. 48 HOURS PRIOR TO OCCUPYING OR CLOSING OF A RIGHT-OF-WAY, CONTRACTOR SHALL NOTIFY: POLICE, FIRE DEPARTMENT, SCHOOLS, HOSPITALS, TRANSIT AUTHORITY, BUSINESSES AND/OR RESIDENTS THAT WILL BE AFFECTED BY THE CONSTRUCTION.

20. ANY FIELD ADJUSTMENTS SHALL BE APPROVED BY CONSTRUCTION COORDINATION.

21. EXCAVATIONS SHALL BE PLATED, TEMPORARILY PATCHED OR RESURFACED PRIOR TO OPENING OF TRAFFIC. A MINIMUM OF 11 FEET SHALL BE PROVIDED FOR TRAFFIC IN ANY GIVEN DIRECTION. CONTRACTOR IS RESPONSIBLE FOR ANY WORK INVOLVED IN SATISFYING THESE REQUIREMENTS.

22. CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE FOLLOWING:
1. STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
2. THE CITY OF ALBUQUERQUE TRAFFIC CODE, LATEST EDITION.
3. SECTION 19 OF THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS FOR PUBLIC WORK CONSTRUCTION, AS WELL AS OTHER SECTIONS.

23. FAILURE TO COMPLY WITH ANY OF THE ABOVE MENTIONED, WILL BE ADEQUATE CAUSE TO CEASE ALL WORK ON ANY CONSTRUCTION PROJECT. WORK WILL NOT RESUME UNTIL ALL REQUIREMENTS ARE ADDRESSED AND APPROVED BY CONSTRUCTION COORDINATION.

24. ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN NEW-CLEAN CONDITION. WASHING OF EQUIPMENT IS INCIDENTAL TO ITS PLACEMENT AND MAINTENANCE.

25. TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.

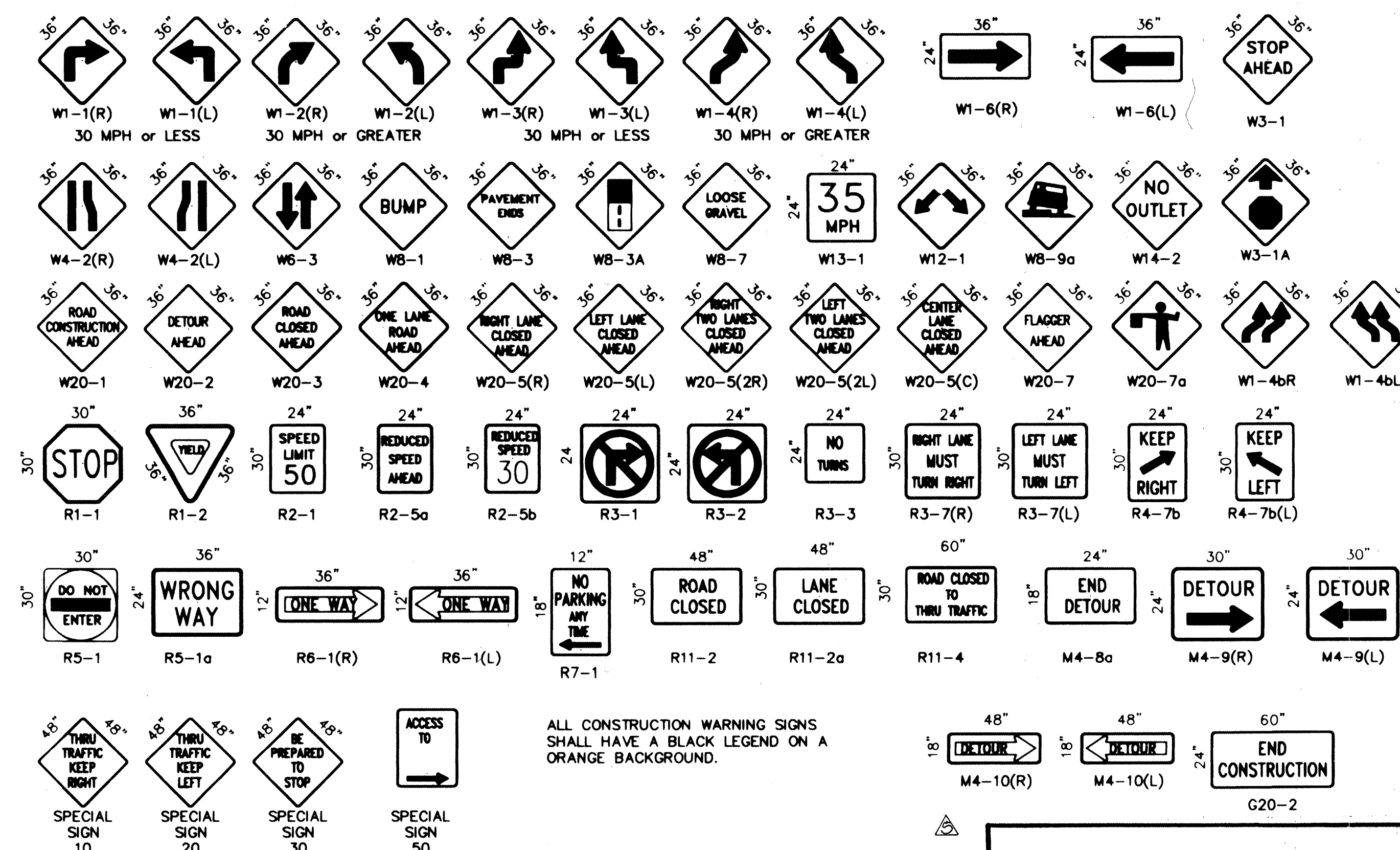
26. ADVANCE WARNING SIGNS SHALL BE 36"x36" MIN. WITH SUPER ENGINEERING GRADE SHEETING OR BETTER. MOUNTING HEIGHT AT TOP OF SIGN SHALL BE THE SAME AS FOR A 48" SIGN AS INDICATED IN THE M.U.T.C.D.

27. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORKSITE. ALL GRAFFITI SHALL BE PROMPTLY REMOVED FROM ALL EQUIPMENT, BOTH PERMANENT AND TEMPORARY.

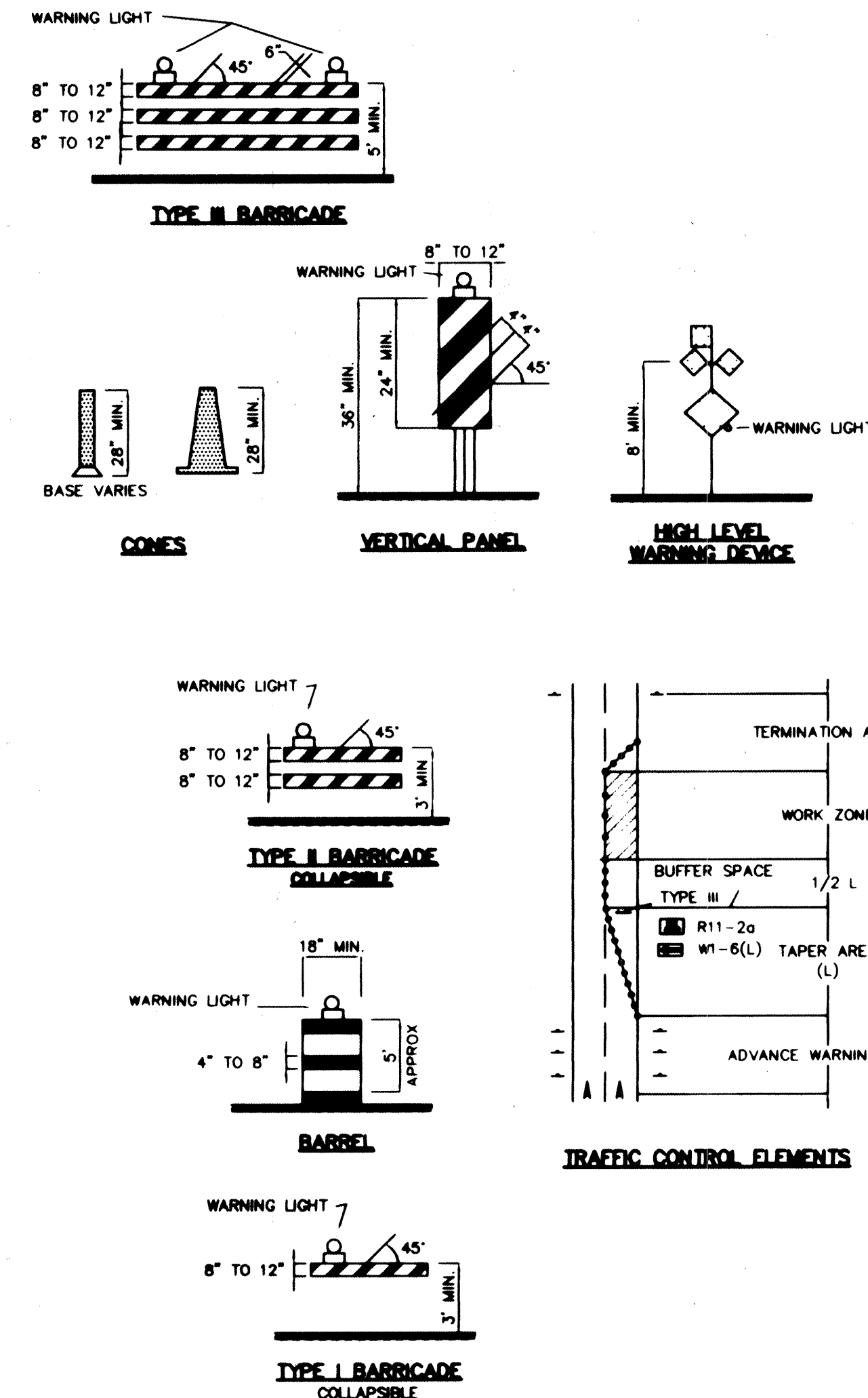
SPECIAL PROJECT TRAFFIC CONTROL NOTES:

- ALL WORK EFFECTING TRAFFIC LANES IN MONTGOMERY BLVD. N.E. SHALL BE PERFORMED ON A CONTINUOUS, 24-HOUR PER DAY BASIS UNTIL COMPLETED.
- THE WATERLINE CROSSING OF MONTGOMERY BLVD. N.E. SHALL BE PERFORMED FROM 7:00 P.M. FRIDAY THROUGH 5:00 A.M. MONDAY. THIS PERIOD SHALL INCLUDE EXCAVATION, PLACEMENT, BACKFILL, AND PAVING OF THE WATERLINE TRENCH; AND A MINIMUM OF ONE LANE IN EACH DIRECTION SHALL BE REQUIRED ON MONTGOMERY BLVD. N.E. AT ALL TIMES. TWO ADDITIONAL DAYS, FROM 9:00 A.M. TO 3:00 P.M., OF A SINGLE RIGHT LANE CLOSURE EASTBOUND WILL BE ALLOWED TO INSTALL THE CURB & GUTTER ON THE SOUTH SIDE OF MONTGOMERY BLVD. N.E., AND TO REPLACE THE SIDEWALK/DRIVEPAD (IF NEEDED).

SIGN FACE DETAILS



ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.



LEGEND

- WORK AREA
- BARRICADE - TYPE I, TYPE II, OR BARREL
- BARRICADE - TYPE III
- VERTICAL PANEL
- WARNING SIGN
- DISTANCE BETWEEN SIGNS - A DISTANCE MEASURED IN FEET EQUAL TO A VALUE OF TEN TIMES THE SPEED LIMIT OF THE STREET
- FLAGMAN POSITION
- SPACING BETWEEN BARRICADES - A DISTANCE MEASURED IN FEET EQUAL TO THE SPEED LIMIT OF THE STREET
- TAPER LENGTH - SEE CHART BELOW
- THE TANGENT LENGTH IS EQUAL TO THE TAPER LENGTH FOR A GIVEN STREET.

TAPER REQUIREMENTS

SPEED LIMIT (MPH)	TAPER LENGTH (L) (FEET)			MINIMUM NUMBER OF DEVICES FOR TAPER	MAXIMUM DEVICE SPACING IN FEET	
	10' LANE	11' LANE	12' LANE		ALONG TAPER	AFTER TAPER
20	70	75	80	5	20	20
25	105	115	125	6	25	25
30	150	165	180	7	30	30
35	205	225	245	8	35	35
40	270	295	320	9	40	40
45	450	495	540	13	45	45
50	500	550	600	13	50	50
55	550	605	660	13	55	55

RECOMMENDED SIGN SPACING(D) FOR ADVANCE WARNING SIGN SERIES

SPEED LIMIT (MPH)	MINIMUM DISTANCE IN FEET BETWEEN SIGNS	FROM LAST SIGN TO TAPER
0-20	10 X SPEED LIMIT	10 X SPEED LIMIT
25-30	10 X SPEED LIMIT	10 X SPEED LIMIT
30-35	10 X SPEED LIMIT	10 X SPEED LIMIT
40-45	10 X SPEED LIMIT	10 X SPEED LIMIT
50-60	10 X SPEED LIMIT	10 X SPEED LIMIT

TAPER CRITERIA

TYPE OF TAPER	TAPER LENGTH
UPSTREAM TAPER:	
MERGING TAPER	L MINIMUM
SHIFTING TAPER	1/2 L MINIMUM
SHOULDER TAPER	1/2 L MINIMUM
TWO-WAY TRAFFIC TAPER	100 FEET MAXIMUM
DOWNSTREAM TAPERS	100 FEET PER LANE

TAPER LENGTH COMPUTATION

SPEED LIMIT	
40 MPH OR LESS	$L = W \times S$
45 MPH OR GREATER	$L = W \times S$
L = TAPER LENGTH	
W = WIDTH OF OFFSET IN FEET	
S = POSTED SPEED OR OFF-PEAK 85-PERCENTILE SPEED IN MPH	

971806

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **ELDORADO HIGH SCHOOL WATERLINE EXTENSIONS
SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS**

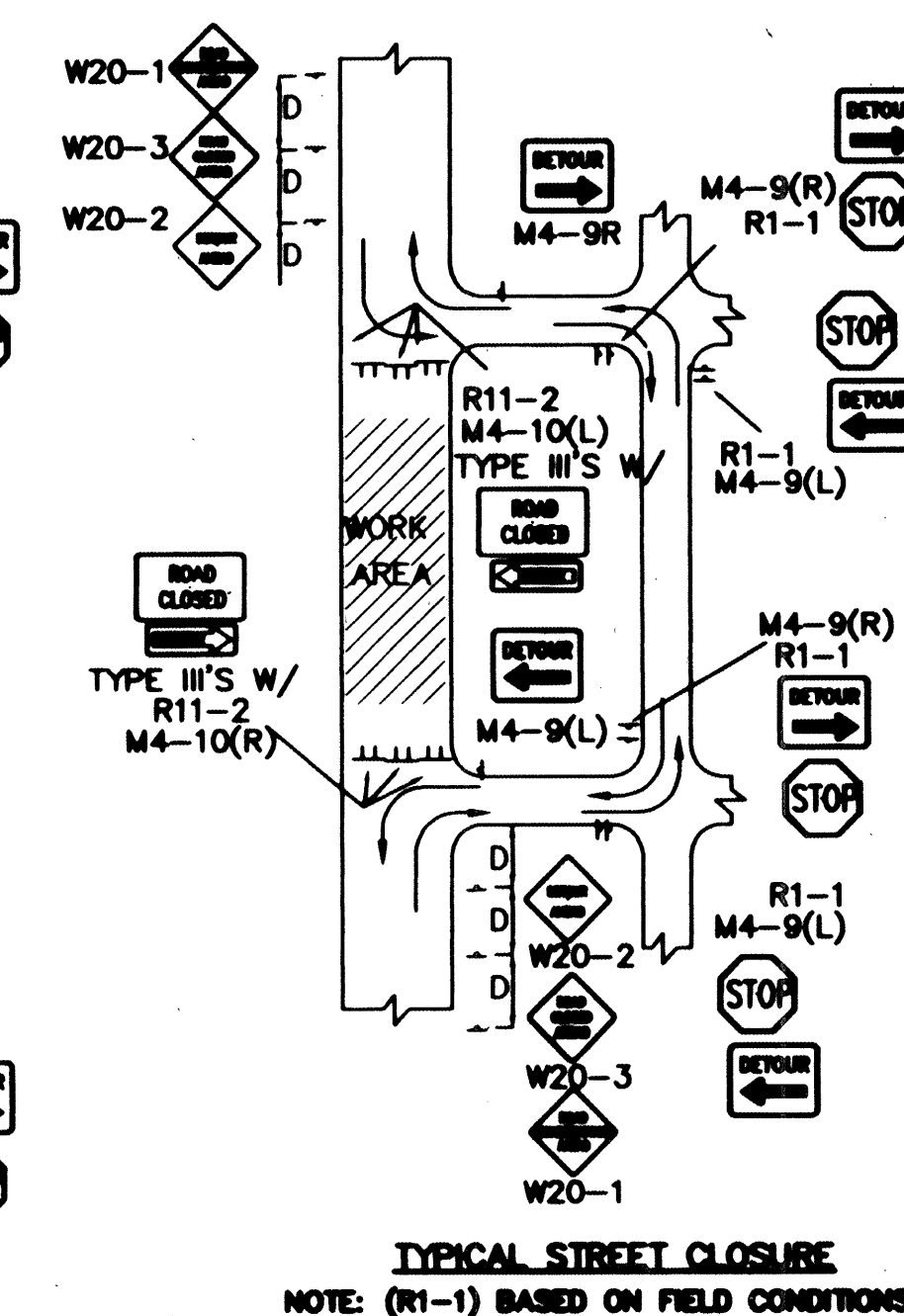
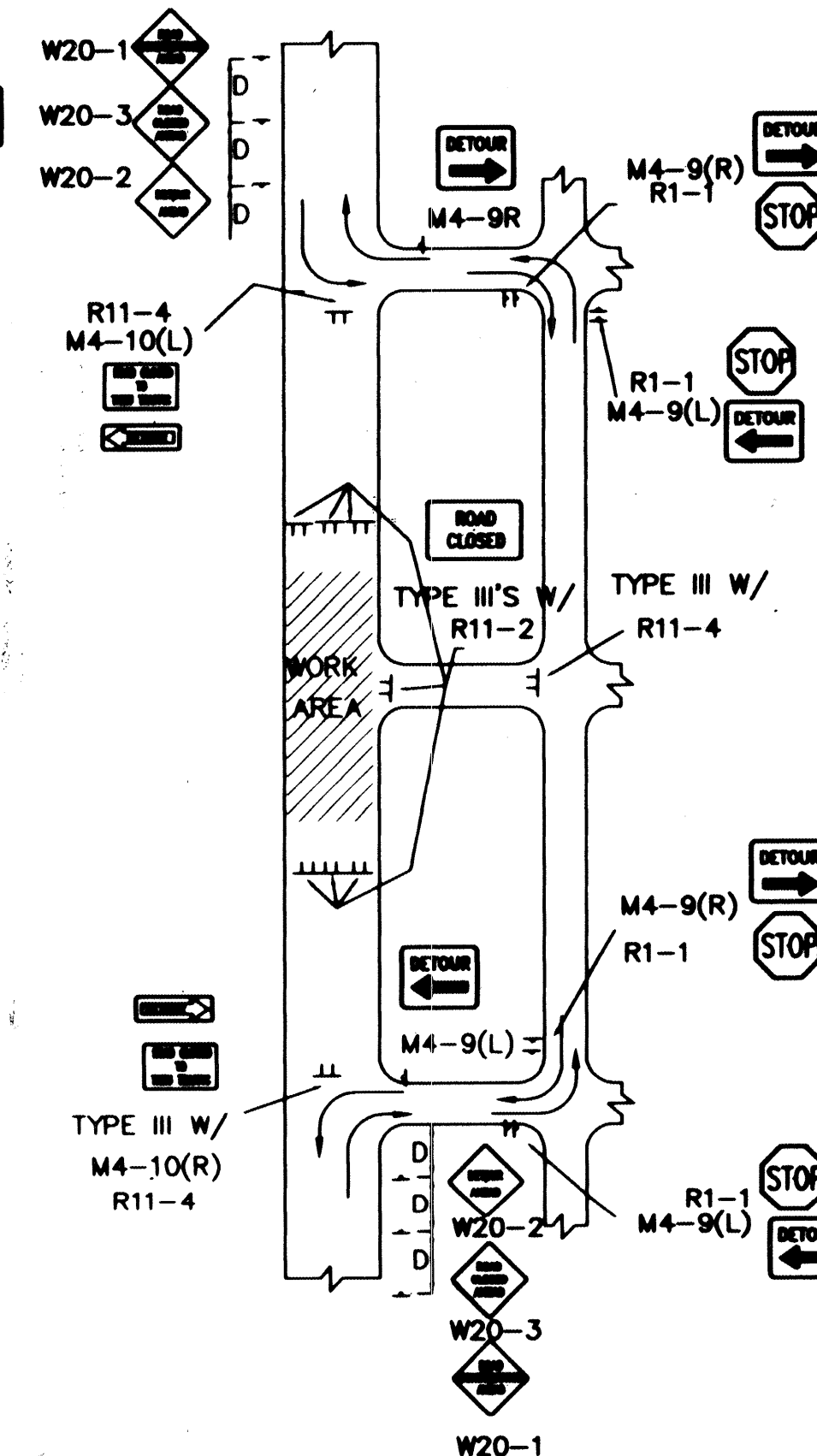
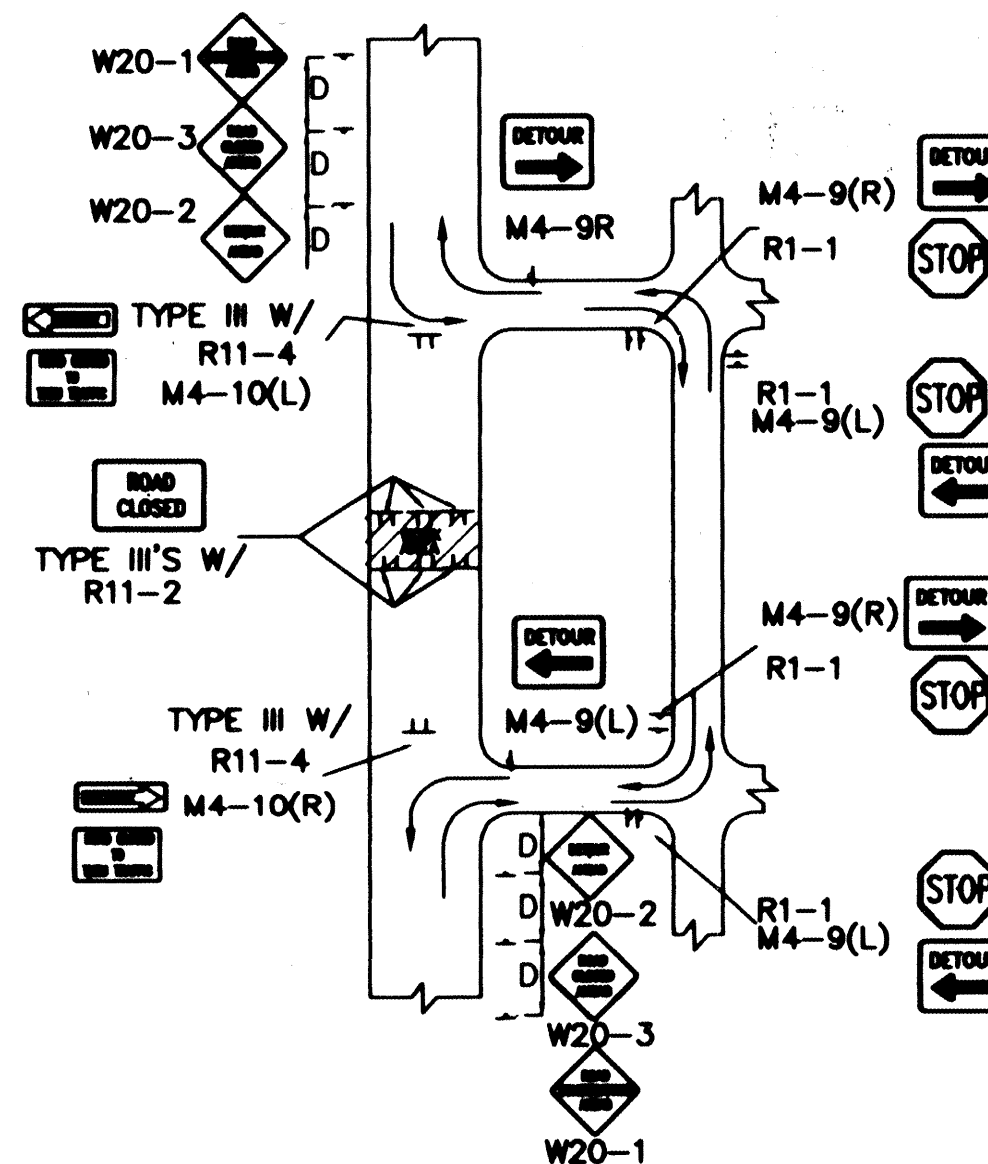
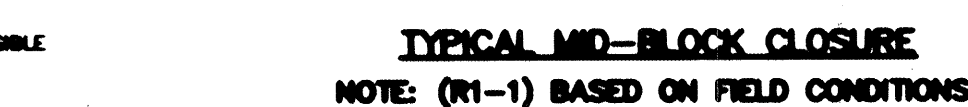
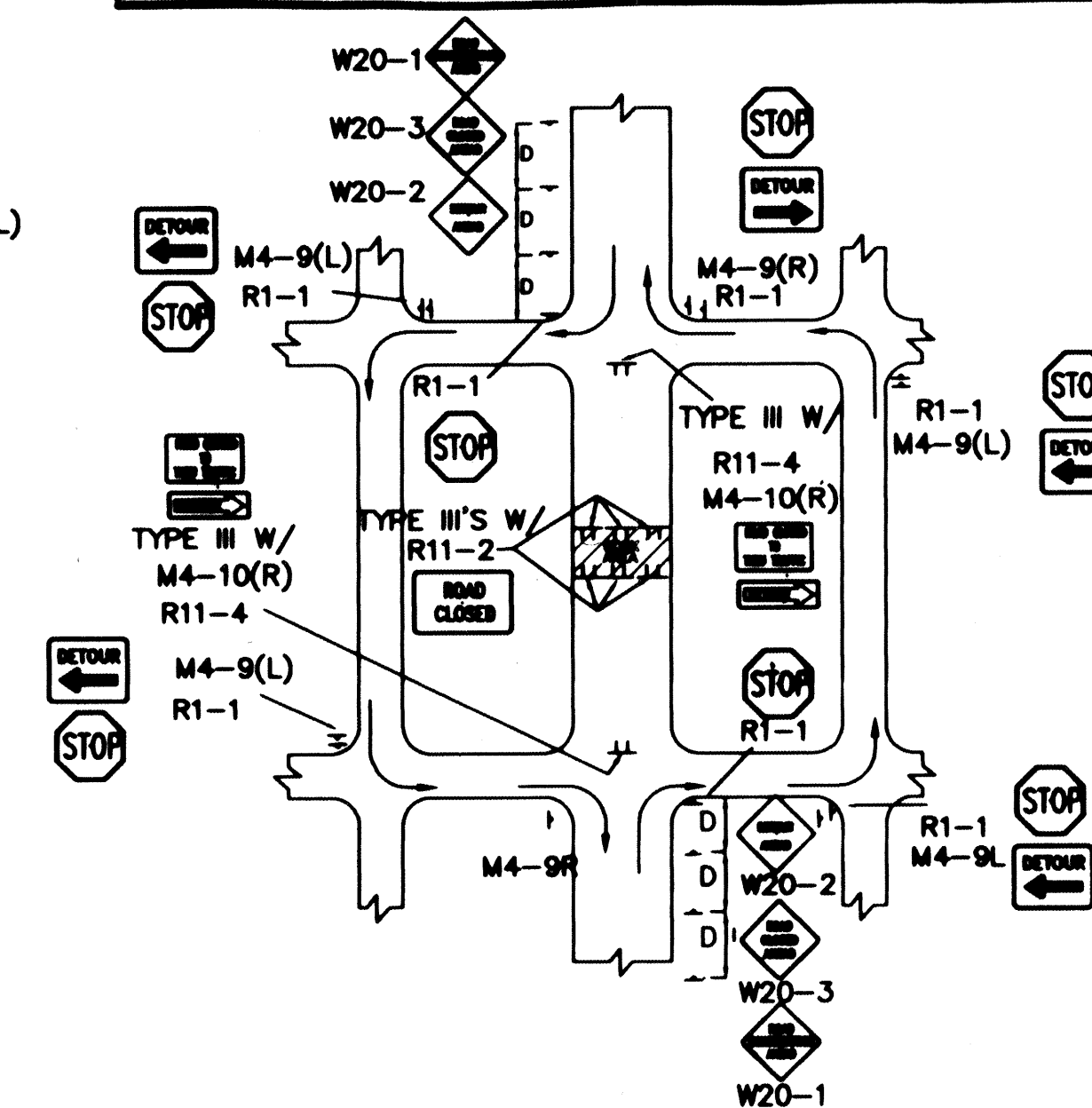
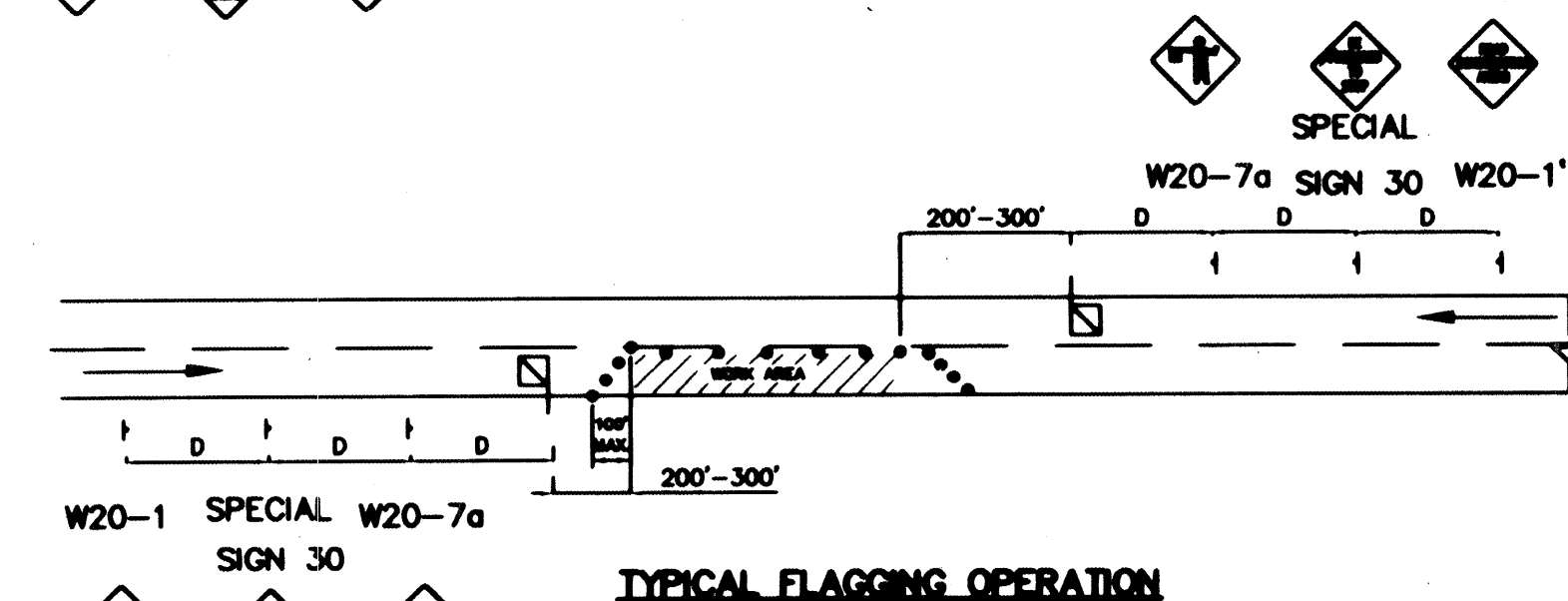
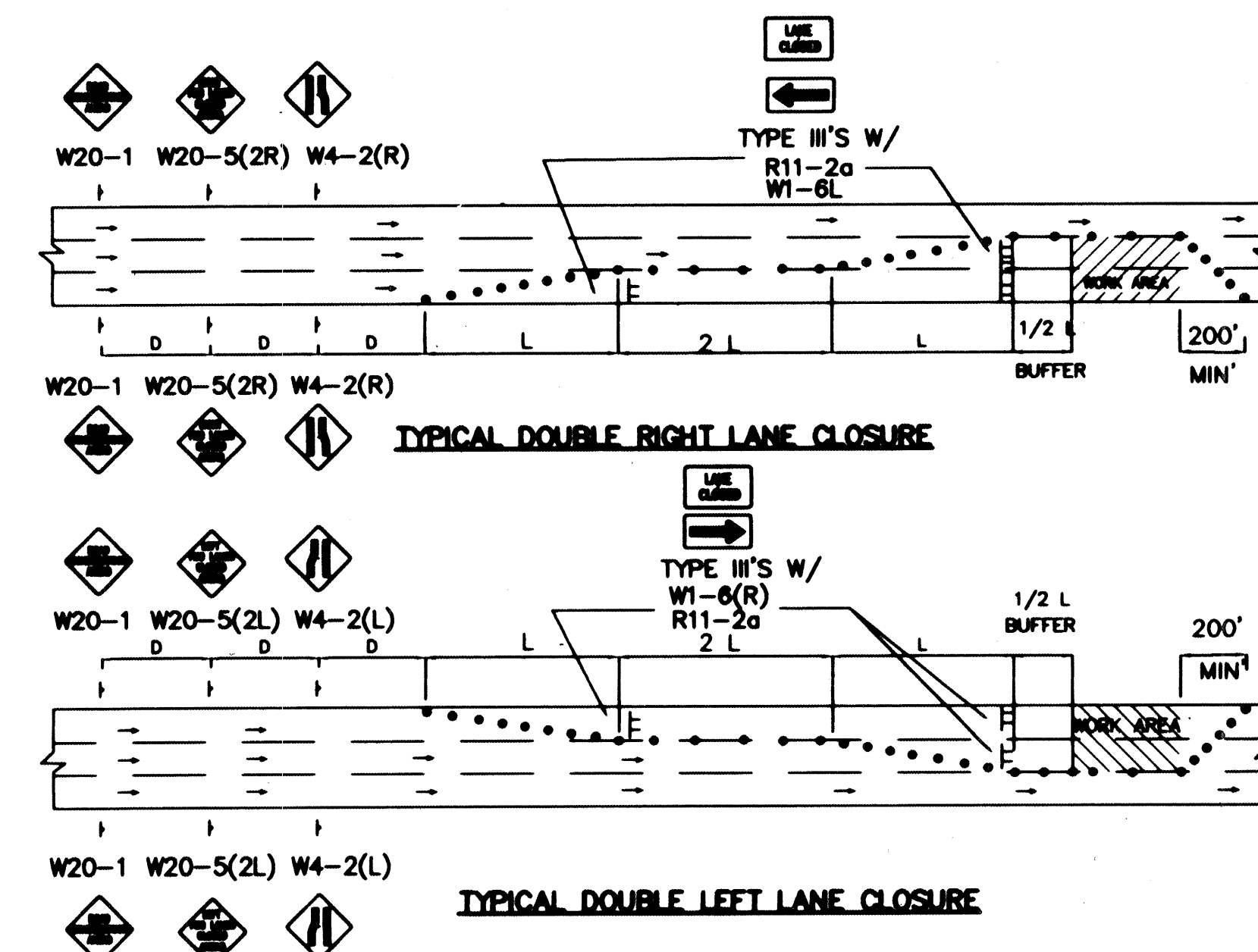
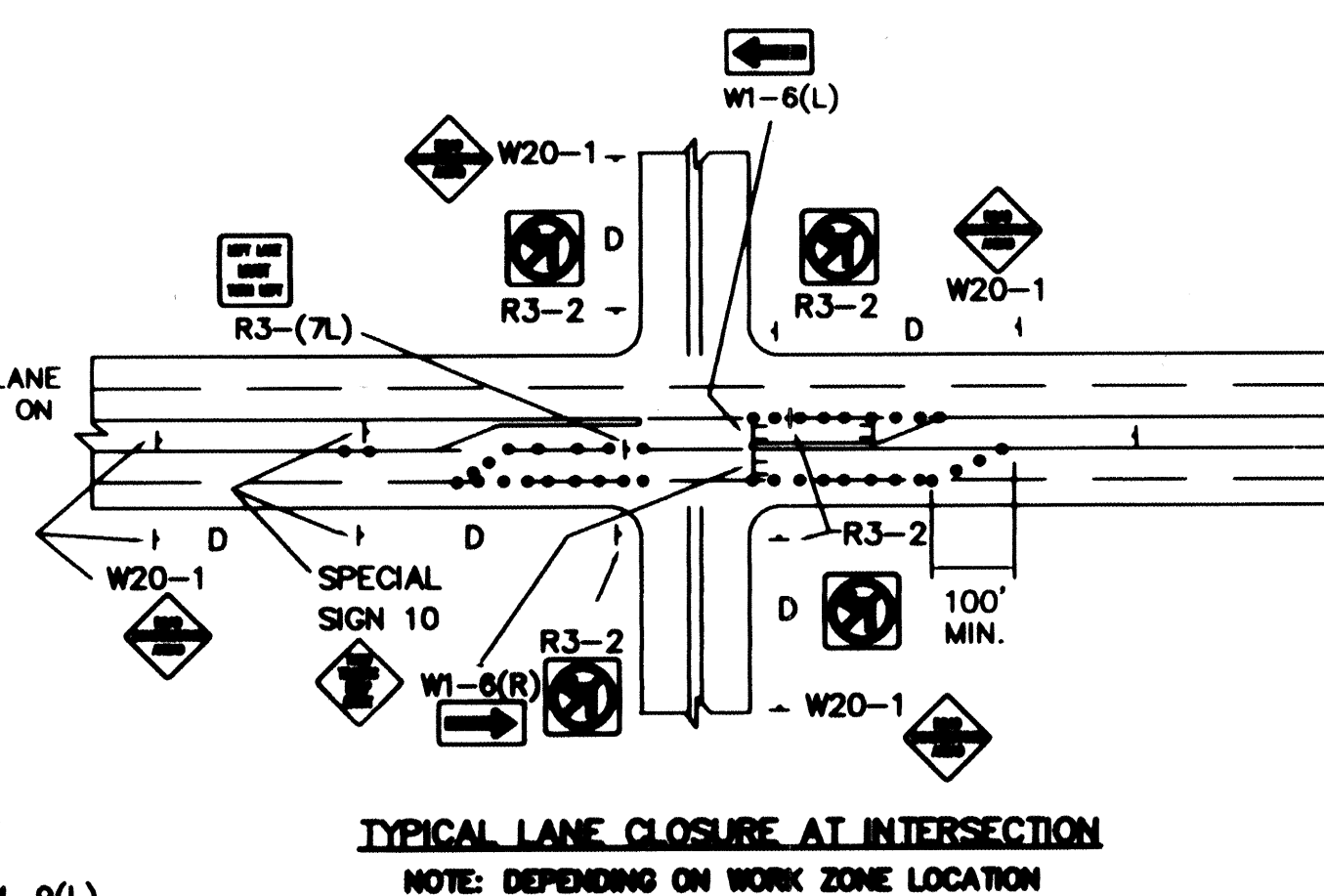
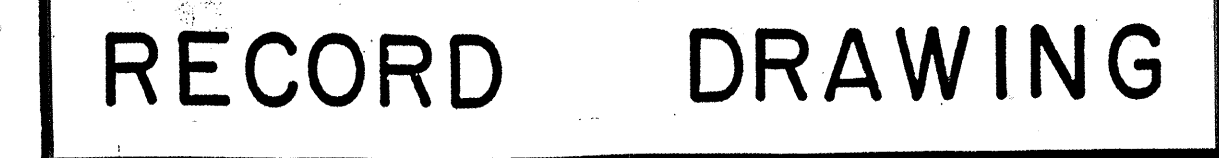
DESIGN REVIEW COMMITTEE: **APPROVE** (Stamp: 01/10/2008)
CITY ENGINEER APPROVAL: (Stamp: 01/10/2008)

PROJECT NO: **588681**
MAP NO: **G-22**
SHEET **12** OF **13**

DESIGNED BY: (Blank)
DRAWN BY: (Blank)
CHECKED BY: (Blank)

REVISIONS: (Table with columns: NO., DATE, DESCRIPTION)

LAST UPDATE: (Blank)

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