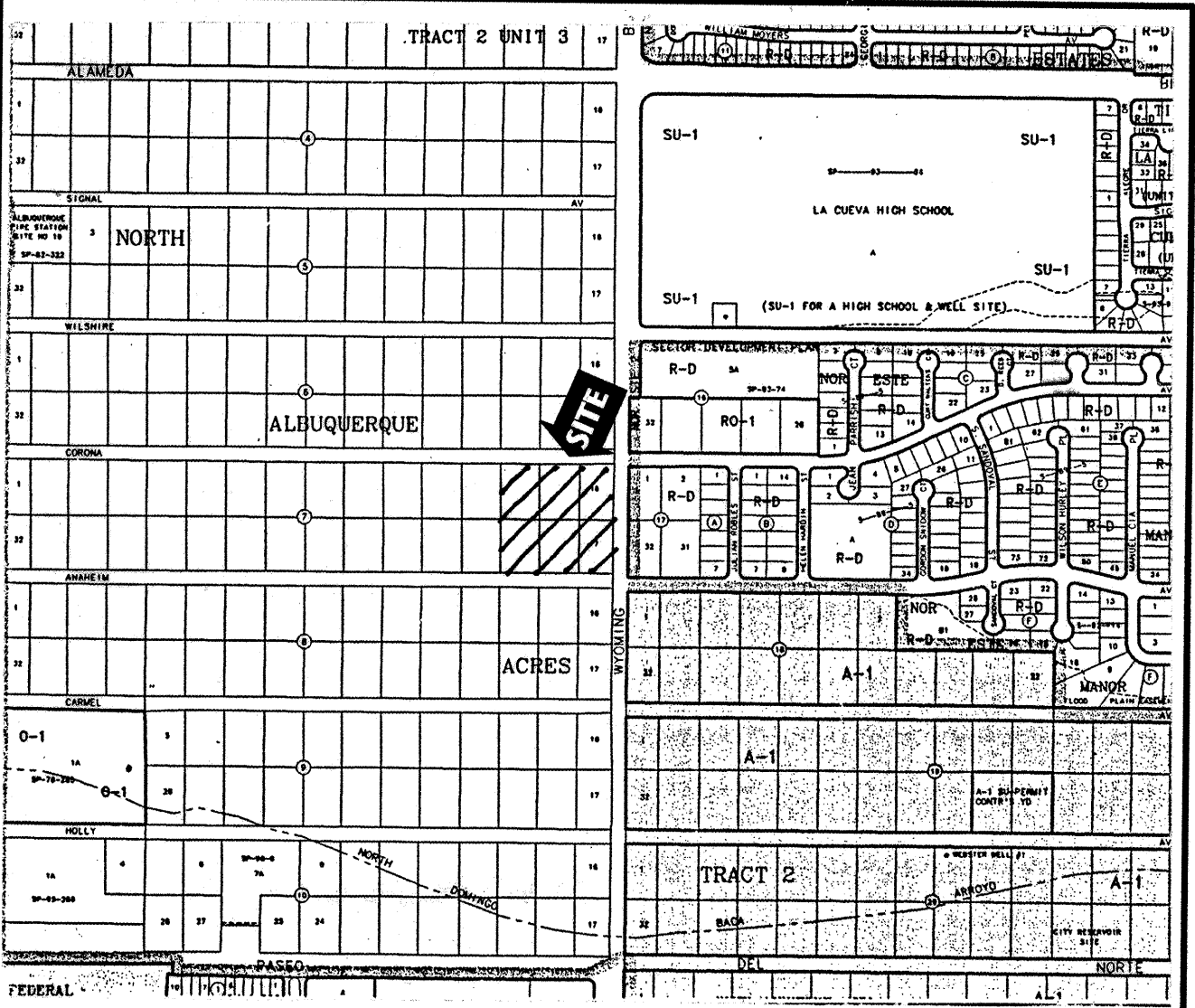


AFD FIRE STATION 20 + APD COMMUNITY POLICE SUBSTATION
CITY OF ALBUQUERQUE FIRE DEPARTMENT
NORTH DOMINGO BACA PARK
ALBUQUERQUE, NEW MEXICO

OFF-SITE IMPROVEMENTS
CORONA AVE and WYOMING BLVD. NE

INDEX OF DRAWINGS

SEQUENCE NO.	SHEET NO.	DESCRIPTION	FOR INFORMATION ONLY
1	1	TITLE SHEET	
2	2	WYOMING PLAN and PROFILE	
3	3	CORONA PLAN and PROFILE	
4	4	CORONA SANITARY SEWER PLAN and PROFILE	
5	5	TYPICAL SECTIONS	
6	6	TRAFFIC , TELEPHONE, and GAS EXTENSIONS	
7	7	PERMANENT TRAFFIC CONTROL	
8	8	TYPICAL TRAFFIC CONTROL & SIGNING EXAMPLES	
9	9	SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS	
10	TS-16	FOUNDATION DETAILS TYPE II AND TYPE III STANDARDS	
11	TS-20	PULL BOX DETAILS	
12	TS-34	HAZARD IDENTIFICATION BEACON DETAILS	
13	TS-36	MASTARM BEACON DETAILS	

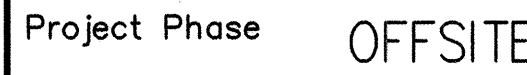
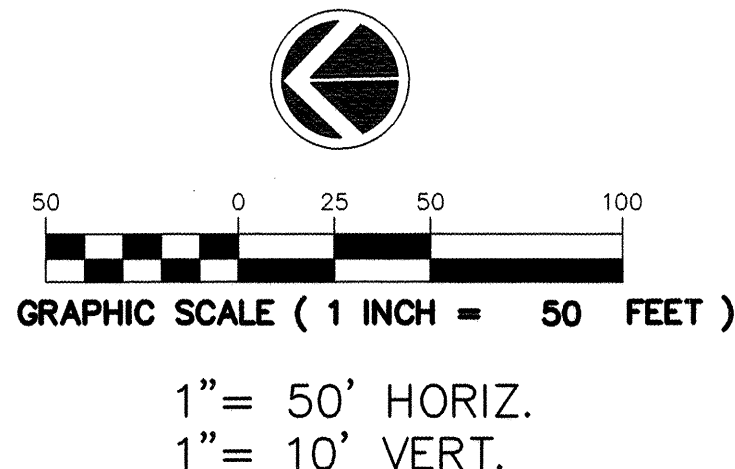


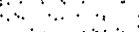
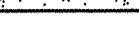
GENERAL NOTES

- 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 FOR PUBLIC WORKS CONSTRUCTION 1986 EDITION AS AMENDED WITH UPDATE NO. 6.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH MINIMUM DELAY.
- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE @ 260-1990 FOR LOCATION OF EXISTING UTILITIES.
- WARNING - THE ENGINEER HAS UNDERTAKEN NO VERIFICATION OF THE EXISTENCE, LOCATION, SIZE, DEPTH, OR TYPE OF UNDERGROUND UTILITY WITHIN THE CONSTRUCTION AREA AND MAKES NO REPRESENTATION PERTAINING TO THESE UTILITIES. THE UTILITIES THAT HAVE BEEN SHOWN ARE BASED ON AVAILABLE INFORMATION FROM THE OWNER, UTILITY COMPANIES, GOVERNING AGENCY, OR OTHERS. THIS INFORMATION MAY BE INCOMPLETE, INACCURATE, OR OBSOLETE. THE CONTRACTOR SHALL CONTACT THE LINE LOCATION SERVICE AT 260-1990 AT LEAST TWO (2) FULL WORKING DAYS PRIOR TO START OF CONSTRUCTION TO HAVE THE UTILITIES SPOTTED. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR MAINTAINING THE EXISTING UTILITIES THROUGHOUT THE CONSTRUCTION OF THIS PROJECT. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR REPAIR OR REPLACEMENT OF ANY UTILITIES DAMAGED DURING CONSTRUCTION TO THE SATISFACTION OF THE GOVERNING AUTHORITIES HAVING JURISDICTION OVER THE UTILITY THAT HAS BEEN DAMAGED.
- TRAFFIC CONTROL: FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (788-2551) PRIOR TO OCCUPYING AN INTERSECTION. SEE SECTION 19 OF THE SPECIFICATIONS. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED BY CONTRACTOR TO LOCATION AND IN KIND AS EXISTING AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY SO THAT THE EXCAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET.
- THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING AND MAINTAINING ALL EXISTING MONUMENTATION CONTROLS. IN THE EVENT OF INADVERTENT DESTRUCTION OR ALTERATION THE CONTRACTOR MUST IMMEDIATELY NOTIFY THE CITY CHIEF SURVEYOR.
- ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650.

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Civil Engineers
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Albuquerque, New Mexico 87112
(505) 237-8421

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS		ENGINEER	DATE	*****	
		DRC Chairman		<i>[Signature]</i>	10-13-99	APPROVED FOR CONSTRUCTION <i>[Signature]</i> 10/22/99 City Engineer Date	
		Transportation		<i>[Signature]</i>	10-13-99		
		Water/Wastewater		<i>[Signature]</i>	9-30-99		
		Hydrology		<i>[Signature]</i>	9-30-99		
		C.I.P.		<i>[Signature]</i>	9-30-99		
Constr. Mngmt.		<i>[Signature]</i>	10-4-99				
Constr. Coord.		<i>[Signature]</i>	10-4-99				
City Project No.		(OFFSITE)		6042.91		Sheet 1 Of 13	



	EXIST ASPHALT PAVEMENT TO REMAIN
	NEW PERMANENT ASPHALT PAVEMENT PER SHEET 5 of 13
	NEW TEMPORARY ASPHALT PAVEMENT PER SHEET 4 of 13

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Design Review Committee
APPROVED
OCT 22 1999
DESIGN
REVIEW COMMITTEE

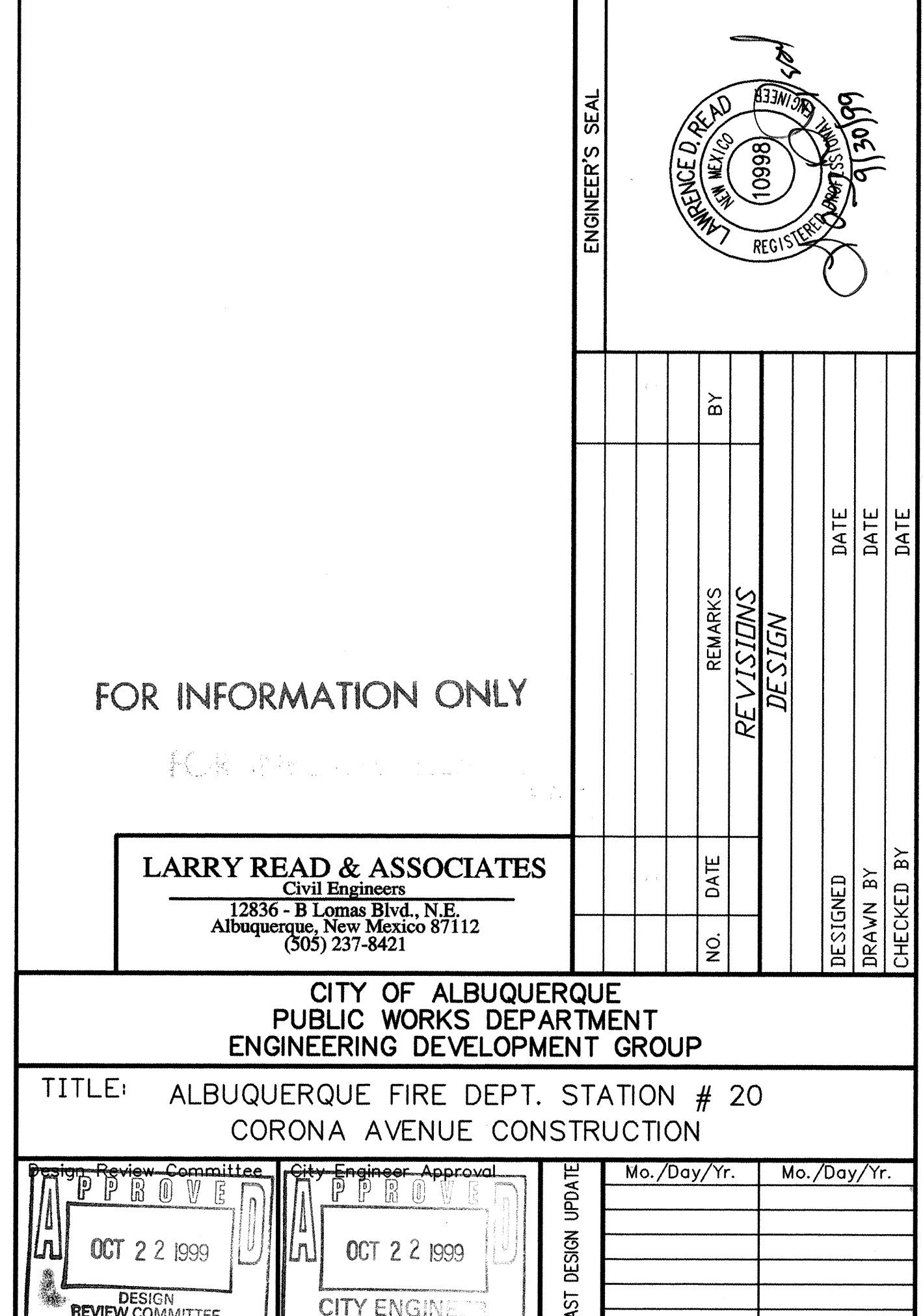
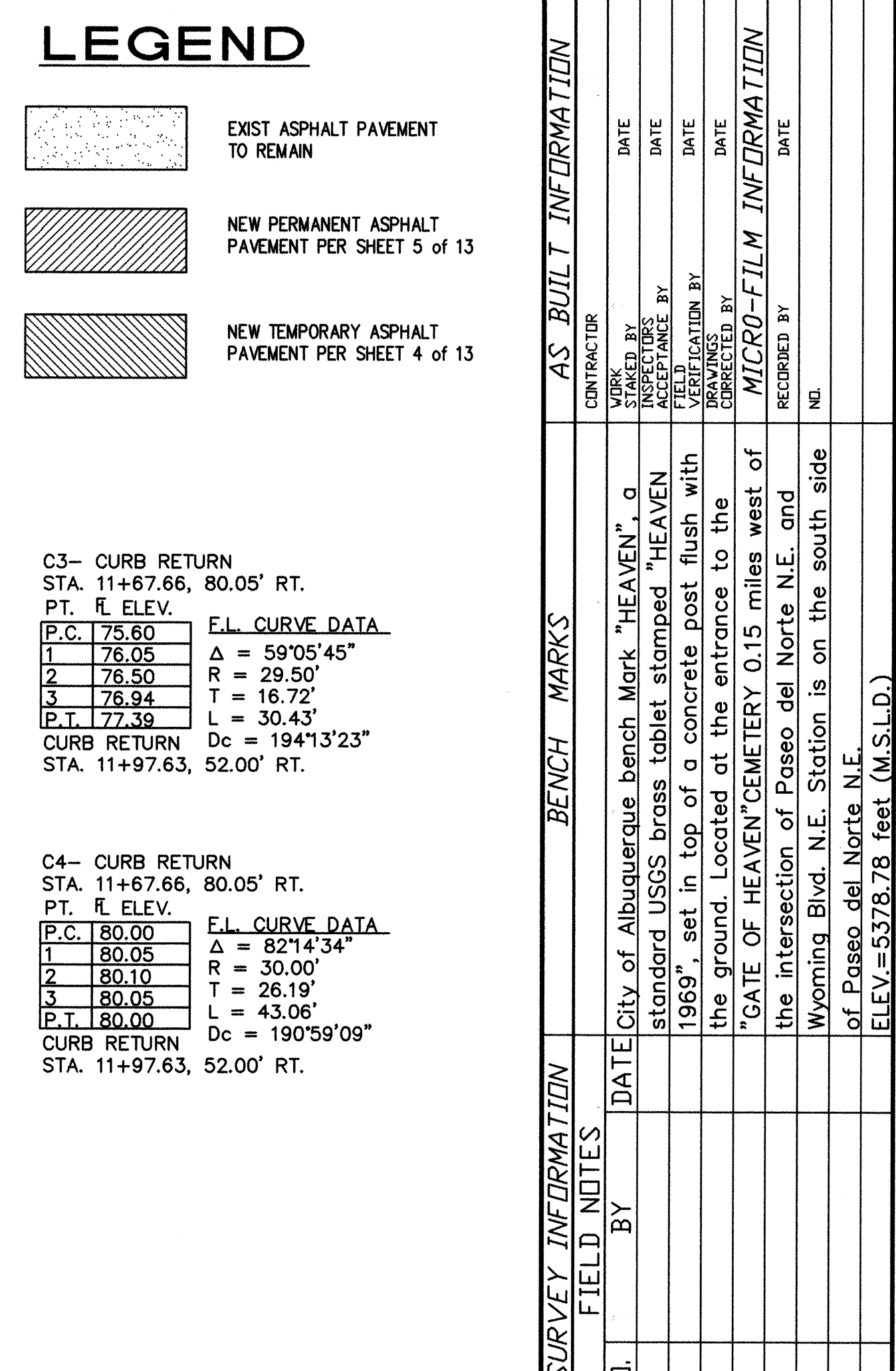
CITY ENGINEER APPROVAL

OCT 22 1999

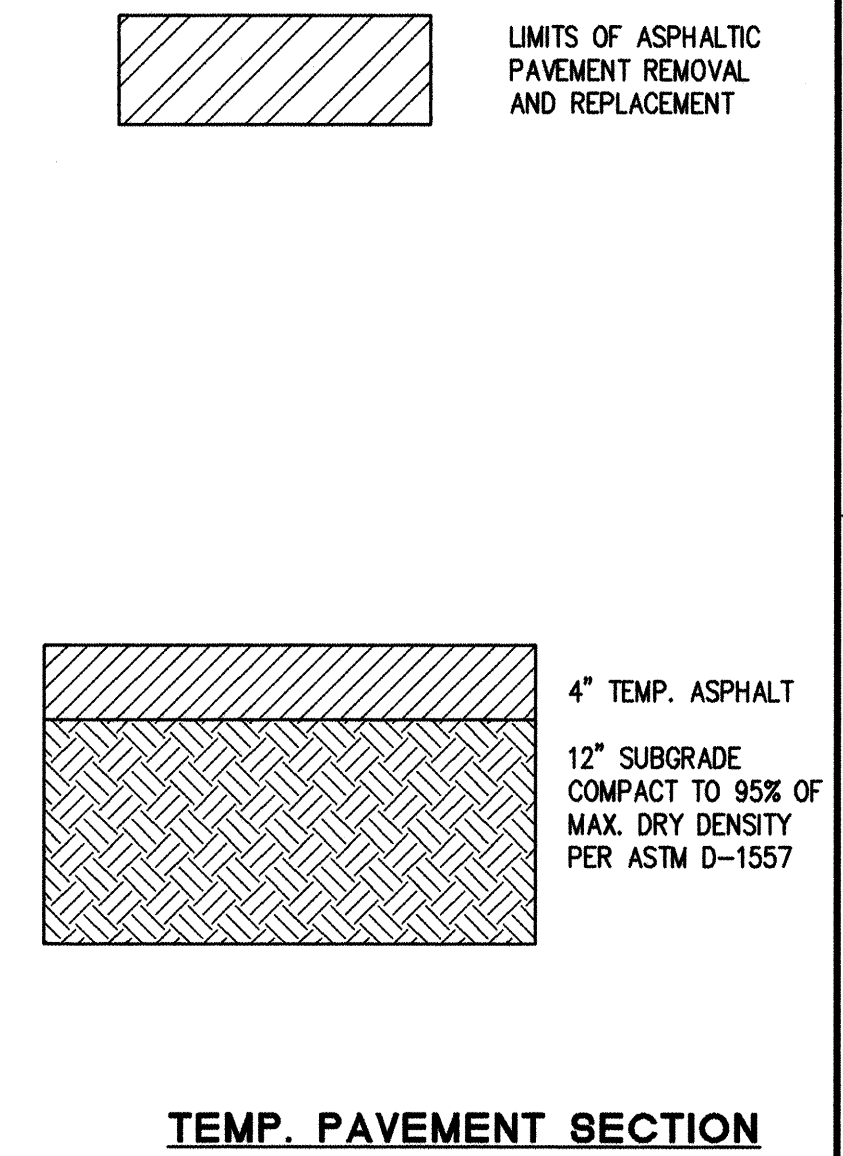
CITY ENGINEER

ST DESIGN UPDATE	Mo./Day/Yr.	Mo./Day/Yr.

C-19 | Sheet 2 Of 13



City Project No. 6042.91	Zone Map No. C-19	Sheet 3 Of 13
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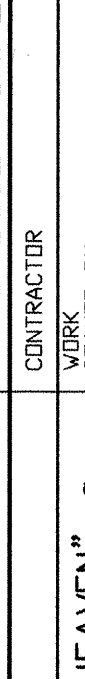


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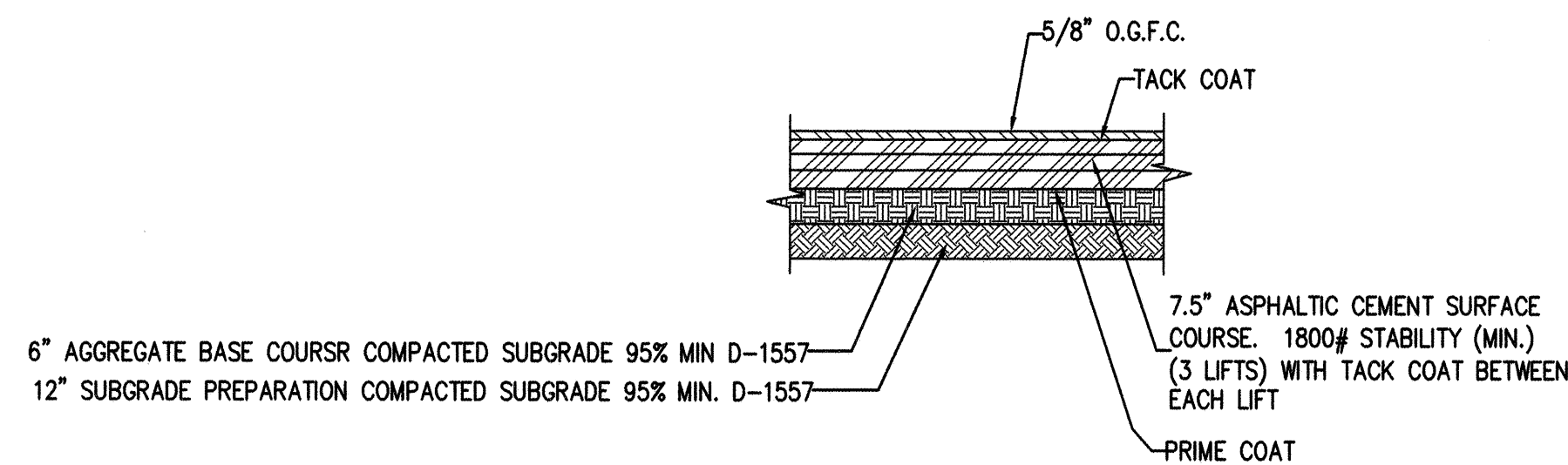
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP	
TITLE:	CORONA AVENUE NE SANITARY SEWER EXTENSION

DESIGN REVIEW COMMITTEE		CITY ENGINEER (Approval)		ST DESIGN UPDATE	
Mo./Day/Yr.		Mo./Day/Yr.		Mo./Day/Yr.	
OCT 22 1999		OCT 22 1999			
DESIGN REVIEW COMMITTEE		CITY ENGINEER			

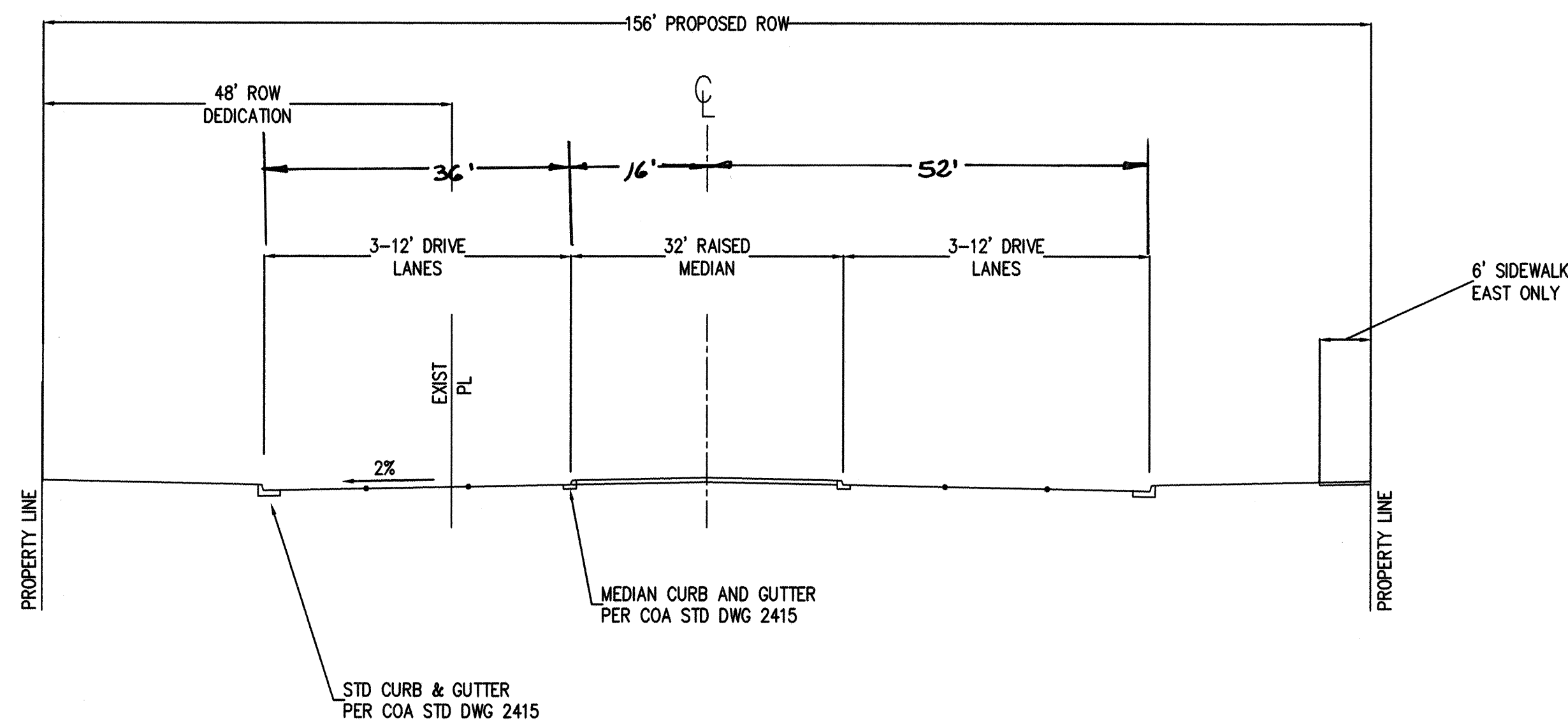
City Project No. 6042 91	Zone Map No. C-19	Sheet 4 Of 13
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ENGINEER'S SEAL	SURVEY INFORMATION		FIELD NOTES		BENCH MARKS	AS BUILT INFORMATION
	NO.	BY	DATE			
					City of Albuquerque bench Mark "HEAVEN", a standard USGS brass tablet stamped "HEAVEN 1969", set in top of a concrete post flush with the ground. Located at the entrance to the "GATE OF HEAVEN" CEMETERY 0.15 miles west of the intersection of Paseo del Norte N.E. and Wyoming Blvd. N.E. Station is on the south side of Paseo del Norte N.E.	
					ELEV.=5378.78 feet (M.S.L.D.)	

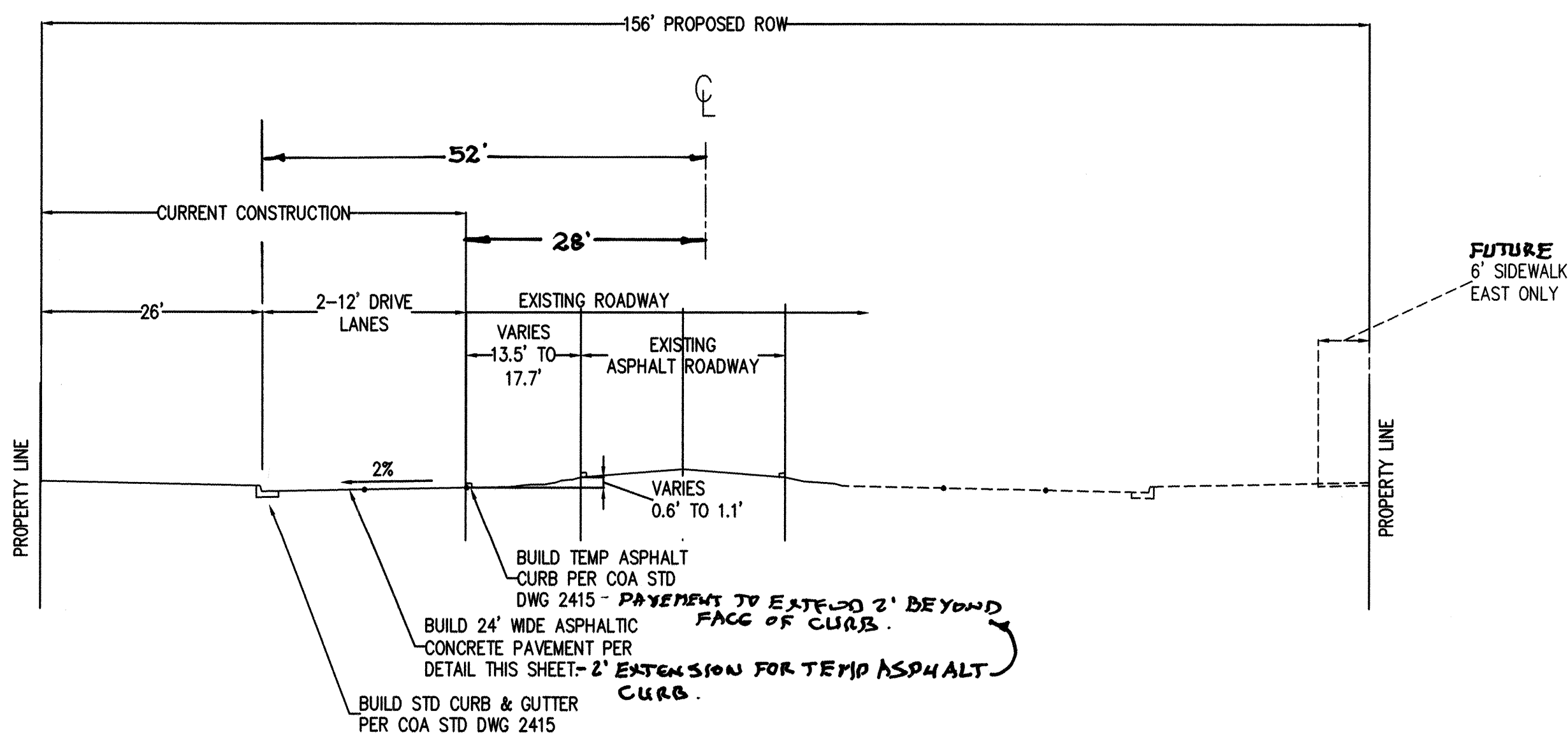
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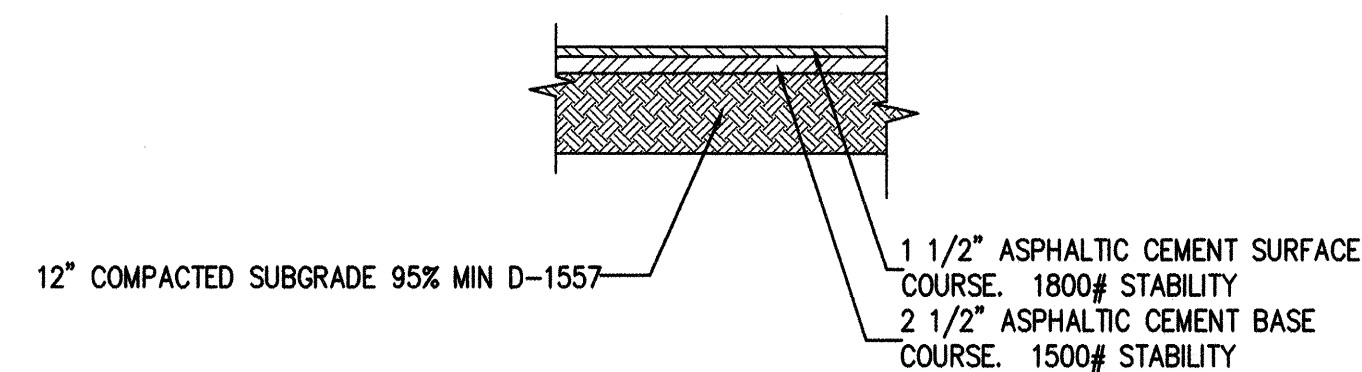
WYOMING BOULVARD
PROPOSED PAVEMENT SECTION



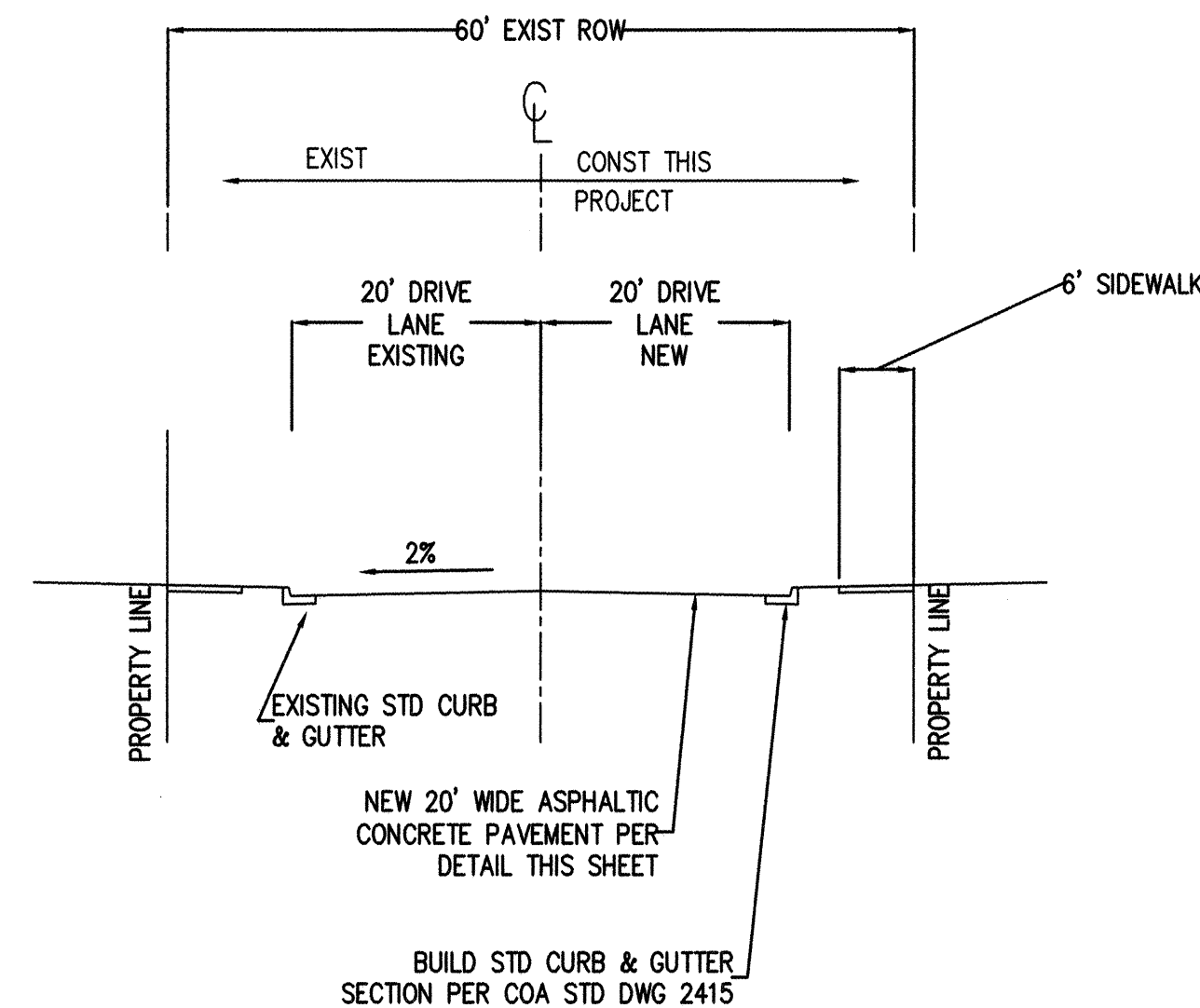
WYOMING BOULVARD
FUTURE TYPICAL SECTION



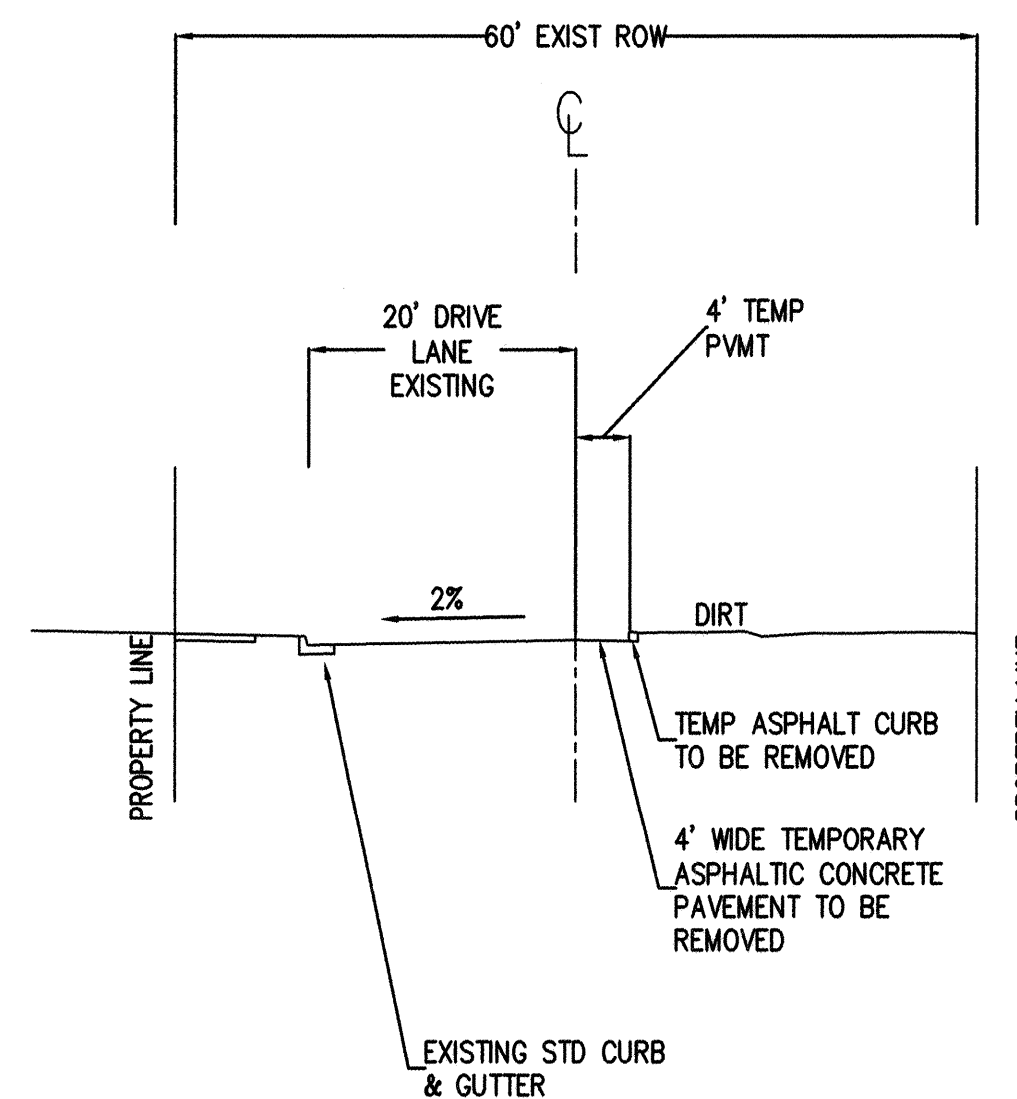
WYOMING BOULVARD
CURRENT CONST. SECTION



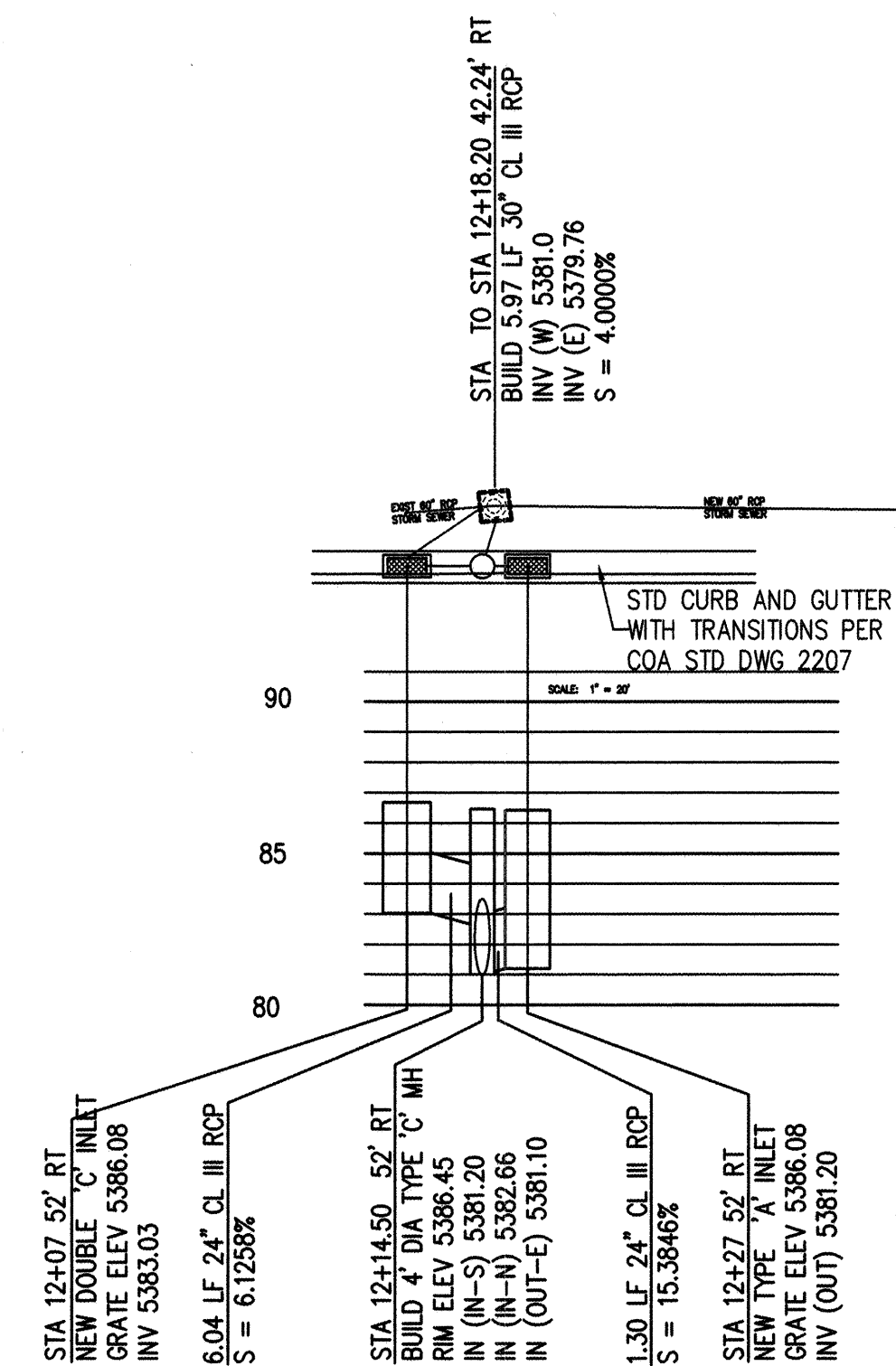
CORONA AVENUE
PROPOSED PAVEMENT SECTION



CORONA AVENUE
PROPOSED TYPICAL SECTION



CORONA AVENUE
EXISTING SECTION

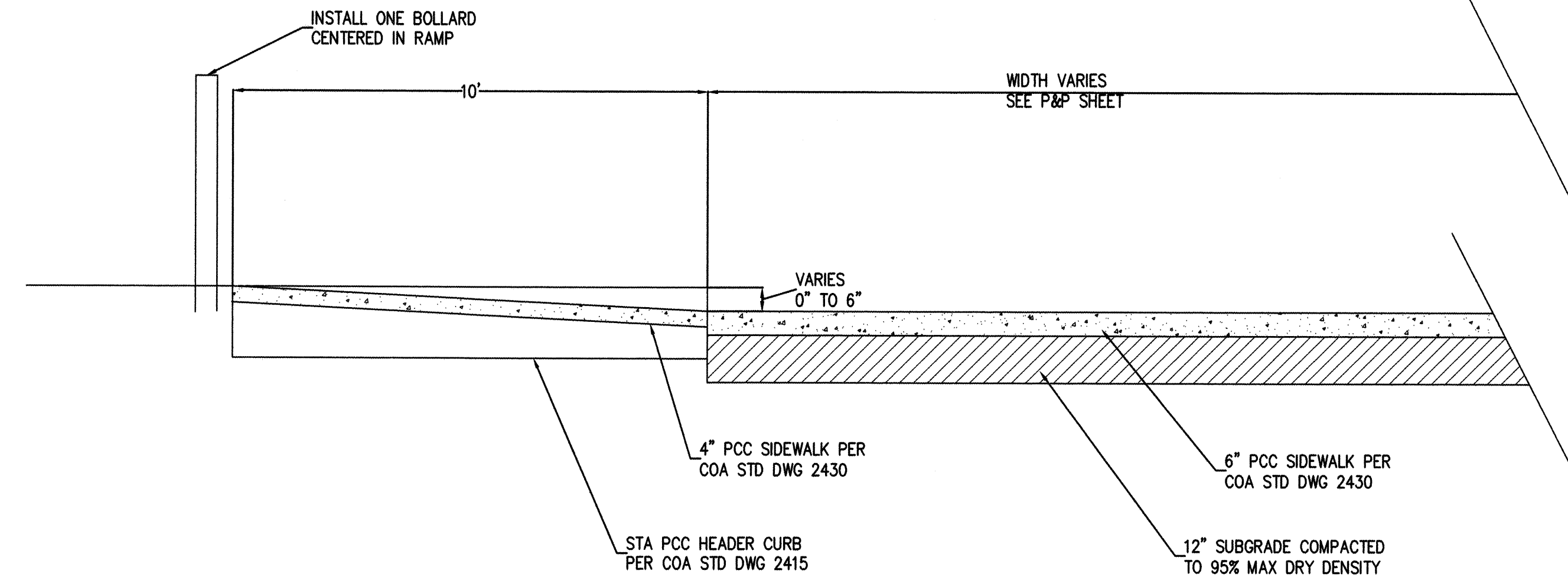
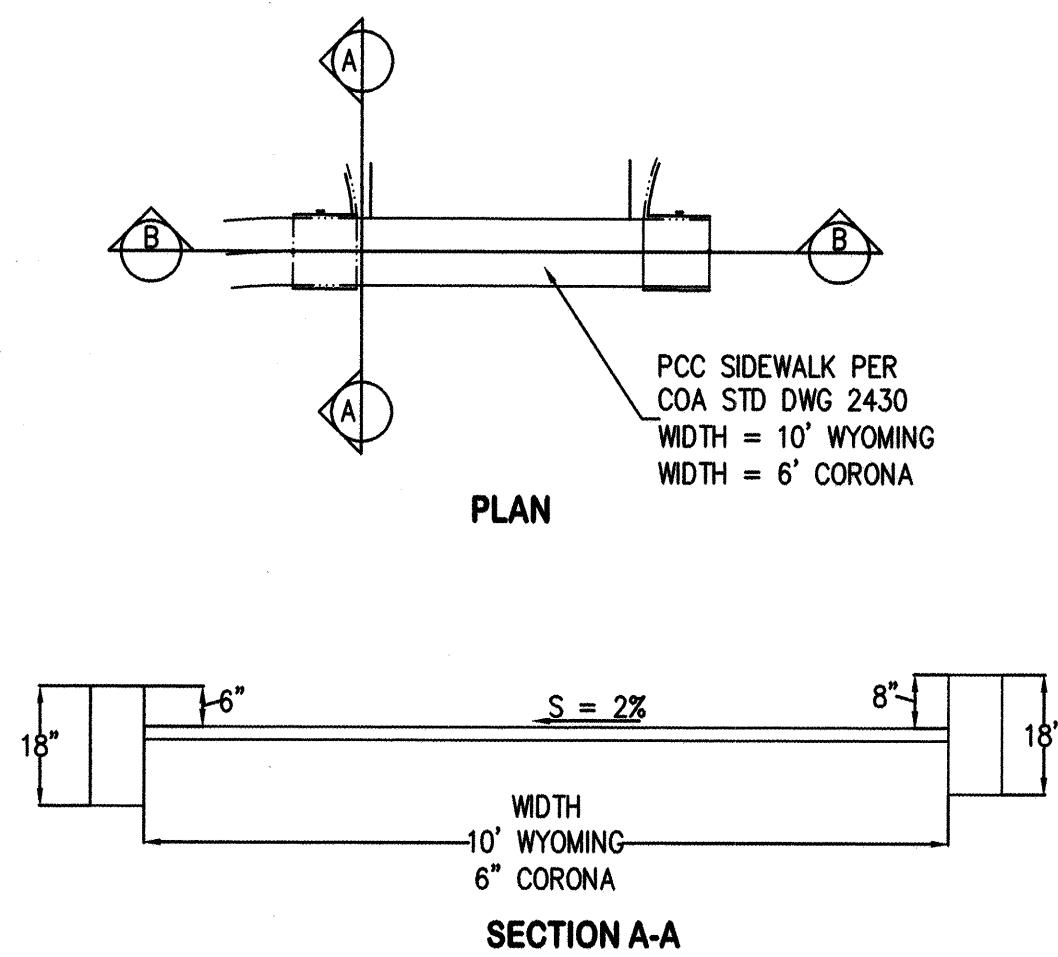


WYOMING BLVD.
STORM INLET DETAIL

FOR INFORMATION ONLY

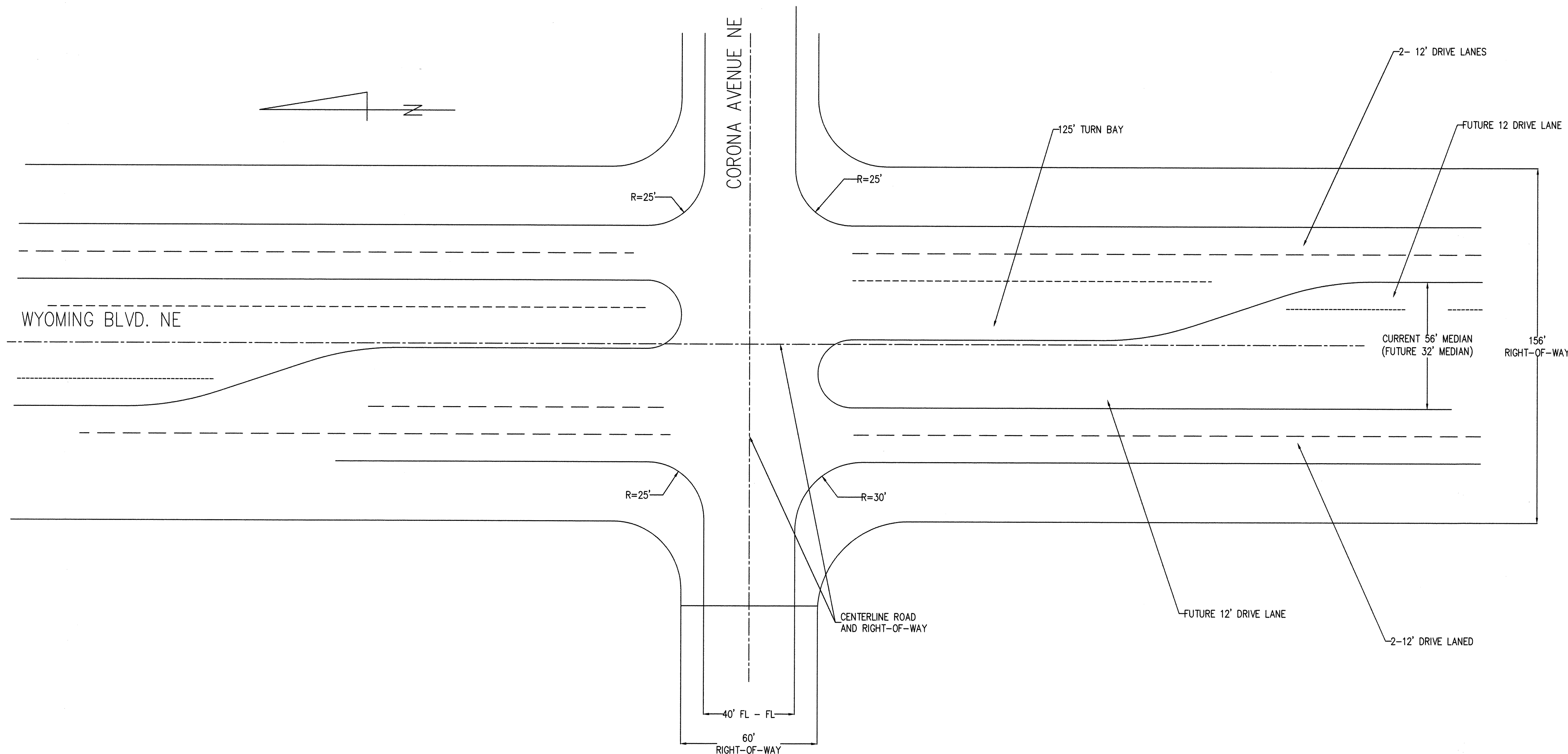
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Albuquerque, New Mexico 87112
(505) 237-8421

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP	
TITLE: ALBUQUERQUE FIRE DEPT. STATION # 20 TYPICAL SECTIONS	
DESIGNED BY	DATE
DRAWN BY	DATE
CHECKED BY	DATE
REVISIONS	DATE
NO.	DATE
BY	DATE
DESIGN REVIEW COMMITTEE	OCT 2 2 1999
CITY ENGINEER	OCT 2 2 1999
LAST DESIGN UPDATE	Mo./Day/Yr.
Mo./Day/Yr.	Mo./Day/Yr.



NOTE: REFERENCE COA STD DWG 2426 FOR ADDITIONAL DETAIL.

UNIDIRECTIONAL WHEELCHAIR RAMP DETAIL



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CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: ALBUQUERQUE FIRE DEPT. STATION # 20 TYPICAL SECTIONS			
Design Review Committee APPROVED OCT 22 1999 DESIGN REVIEW COMMITTEE	City Engineer Approval APPROVED OCT 22 1999 CITY ENGINEER	Mo./Day/Yr.	Mo./Day/Yr.
LAST DESIGN UPDATE			

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION		
		FIELD NOTES				CONTRACTOR		
		NO.	BY	DATE	CITY of Albuquerque bench Mark "HEAVEN" a standard USGS brass tablet stamped "HEAVEN" 1989", set in top of a concrete post flush with the ground. Located at the entrance to the "GATE OF HEAVEN" CEMETERY 0.15 miles west of the intersection of Paseo del Norte N.E. and Wyoming Blvd. N.E. Station is on the south side of Paseo del Norte N.E.		WORKS BY	DATE
		REMARKS		BY		INSPECTORS		DATE
		NO.		DATE	FIELD VERIFICATION BY		DATE	
REVISIONS						CORRECTED BY		DATE
DESIGN						MICRO-FILM INFORMATION		
DESIGNED		DATE				RECORDED BY		DATE
DRAWN BY		DATE				NL		
CHECKED BY		DATE						

CONCAST TO INSTALL (2) 2" CONDUITS (36" MIN COVER) FROM WILSHIRE AVENUE IN COMMON TRENCH W/ HAZARD BEACON CONDUIT; CONTRACTOR TO CO-ORDINATE INSTALLATION
STA 8+30.00, 55.5' RT
INSTALL LARGE PULL BOX PER DRAWING TS-20
FBI-6221 ROBERT MARTINEZ

MINIMUM 5' SEPARATION BETWEEN EDGE OF EXISTING PAVEMENT AND EDGE OF BASE.
STA 8+30.00, 15' RT
INSTALL TYPE B SQUARE BASE PER DRAWING TS-16 FOR 15-FOOT MASTARM HAZARD BEACON PER DRAWING TS-36

STA 8+30 TO STA 11+87, 55.5' RT
INSTALL 360 LF 2" RIGID CONDUIT W/PULL WIRE

STA 11+85 57.5' RT TO 272' RT
INSTALL 2" RIGID CONDUIT W/PULL WIRE. MARK END FOR LATER EXTENSION BY OTHERS

4" CONDUIT
STA 11+ 87, 55.5' RT TO 272' RT
INSTALL CONDUIT FROM EXISTING MANHOLE PER US WEST STANDARDS. CAP FOR FUTURE EXTENSION BY OTHERS

CL CONSTRUCTION WYOMING
STA 11+47.59 @ CL CORONA AVE. RIGHT-OF-WAY

2" H.P.
INSTALL GAS SERVICE LINE TO SITE BOUNDARY. CAP FOR FUTURE EXTENSION BY OTHERS

CL CONSTRUCTION = CL RIGHT-OF-WAY

STA 11+85, 57.5' RT
INSTALL LARGE PULL BOX PER DRAWING TS-20
STA 11+87, 55.5' RT
INSTALL LARGE PULL BOX PER DRAWING TS-20

INSTALL 278 LF 2" RIGID CONDUIT W/PULL WIRE

MINIMUM 5' FROM EDGE OF EXISTING PAVEMENT TO EDGE OF BASE.

STA 15+08, 16.50' LT
INSTALL TYPE B SQUARE BASE PER DRAWING TS-16 FOR 15-FOOT MASTARM HAZARD BEACON PER DRAWING TS-36

INSTALL 72.50 LF 2" RIGID CONDUIT WITH PULL WIRE BY OPEN CUT. PAVEMENT REPAIR PER COA STD DWG 2465

STA 15+08, 56.00' RT
INSTALL LARGE PULL BOX PER DRAWING TS-20

NOTES

- CONTRACTOR SHALL SUPPLY TWO 15' MASTARM ASSEMBLIES WITH SIGNAL HEAD AND SIGNING AS DETAILED ON DRAWING T-36 TO A LOCATION DESIGNATED BY THE FIRE DEPARTMENT FOR LATER INSTALLATION. THE CONTRACTOR SHALL INSTALL UPON NOTIFICATION FROM ON-SITE GENERAL CONTRACTOR (6042.91 ON-SITE).

AS BUILT INFORMATION			BENCH MARKS			SURVEY INFORMATION			ENGINEER'S SEAL			REVISIONS			DESIGNED			DRAWN BY			CHECKED BY		
CONTRACTOR	DATE		CITY OF ALBUQUERQUE	DATE		NO.	BY	DATE	ENGINEER'S SEAL			NO.	DATE	BY	DESIGNED	DATE		DRAWN BY	DATE		CHECKED BY	DATE	
INSPECTED BY	DATE		City of Albuquerque bench Mark "HEAVEN", a standard USGS brass tablet stamped "HEAVEN 1969", set in top of a concrete post flush with the ground. Located at the entrance to the "GATE OF HEAVEN" CEMETERY 0.15 miles west of the intersection of Paseo del Norte N.E. and Wyoming Blvd. N.E. Station is on the south side of Paseo del Norte N.E.																				
VERIFICATION BY	DATE																						
PROCESSED BY	DATE																						
RECORDED BY	DATE																						
NO.																							

FOR INFORMATION ONLY

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Albuquerque, New Mexico 87112
(505) 237-8421

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

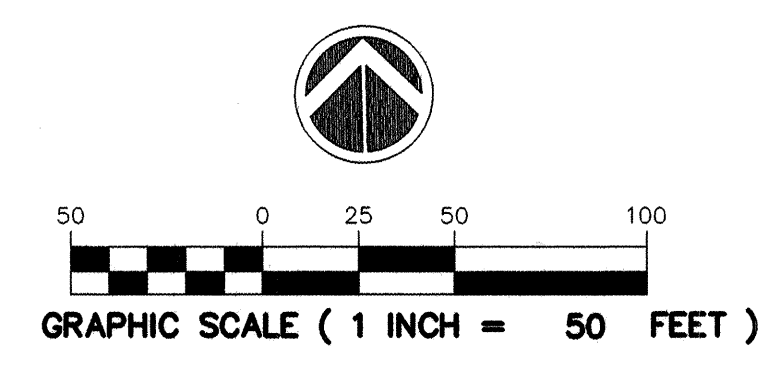
TITLE: ALBUQUERQUE FIRE DEPT. STATION # 20
TRAFFIC, TELEPHONE, AND GAS EXTENSIONS

DESIGN REVIEW COMMITTEE
OCT 22 1999

CITY ENGINEER APPROVAL
OCT 22 1999

LAST DESIGN UPDATE

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



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 ACCESSSES. 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 ACCESSSES. 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.

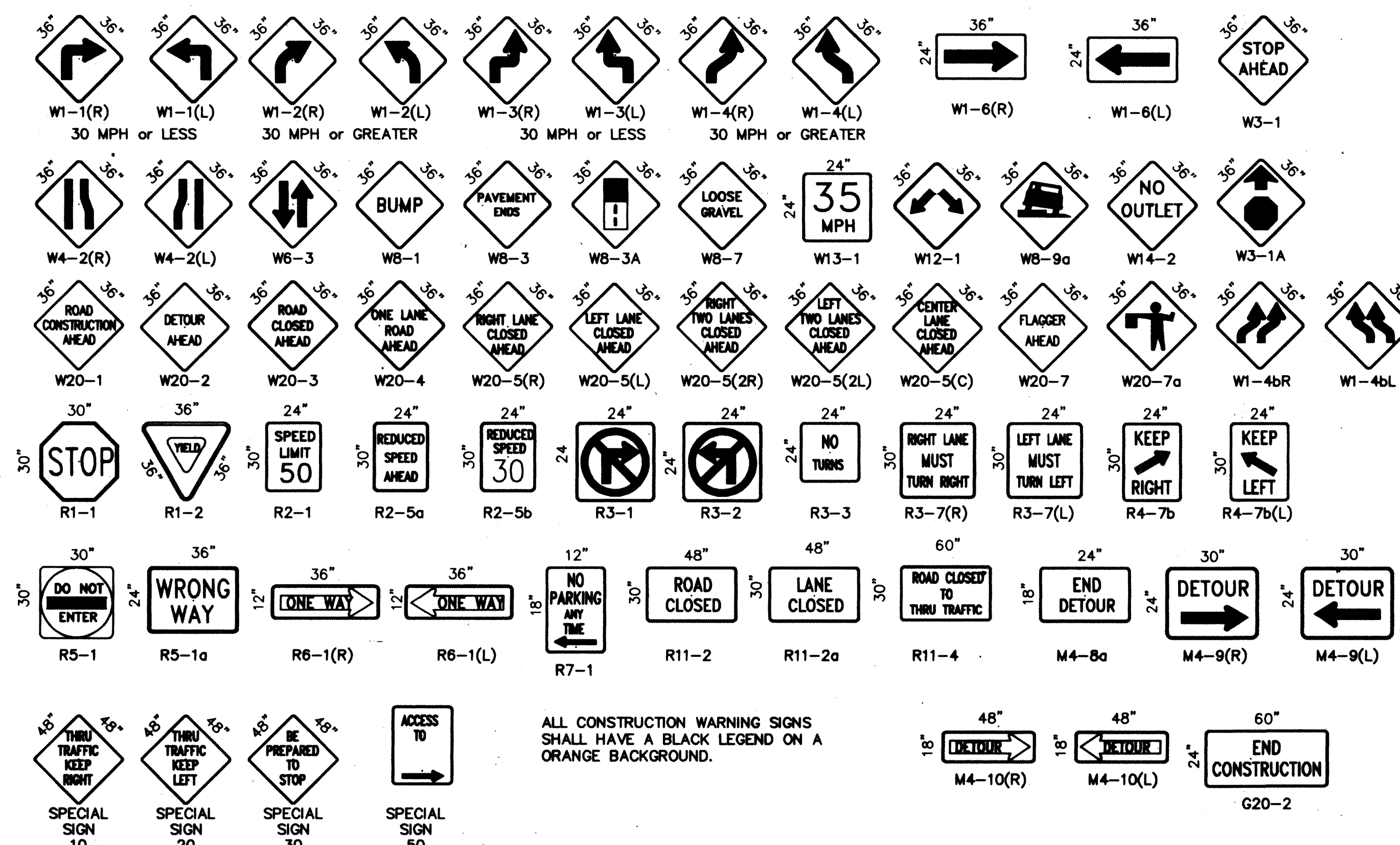
27. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORKSITE. ALL GRAFFITI SHALL BE PROMPTLY REMOVED FROM ALL EQUIPMENT, BOTH PERMANENT AND TEMPORARY.

28. ALL WORK EFFECTING TRAVEL LANES ON WYOMING BLVD. SHALL BE PERFORMED ON A CONTINUOUS 24-HOUR BASIS UNTIL COMPLETED.

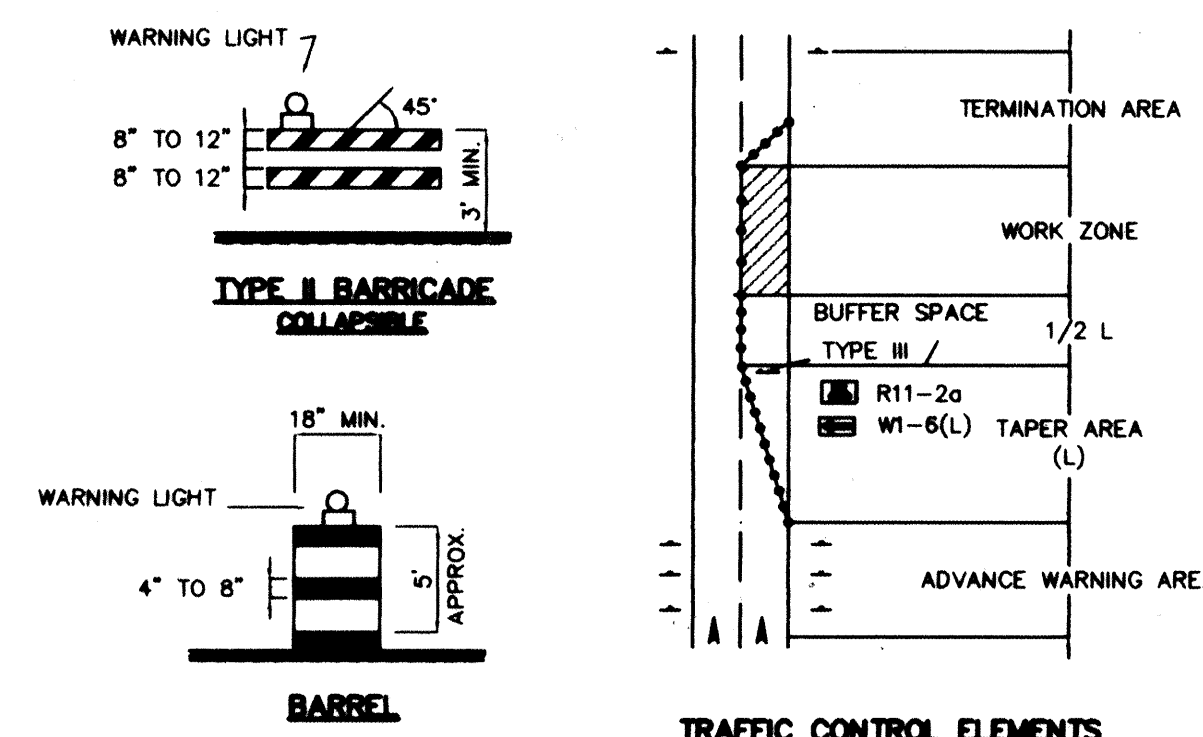
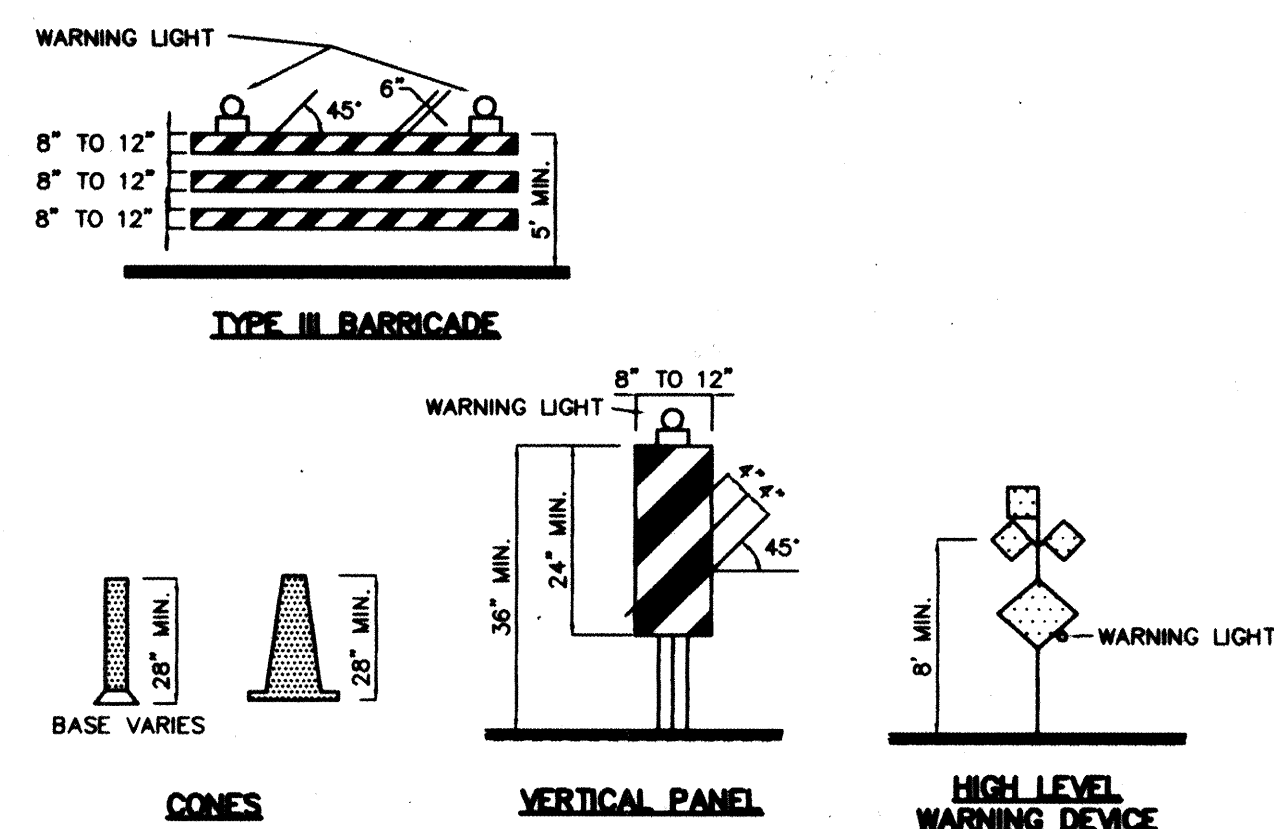
29. THE CONTRACTOR SHALL PERFORM AND COMPLETE AS MUCH WORK AS POSSIBLE BEHIND THE CURB PRIOR TO ENTERING ROADWAYS. CONTRACTOR SHALL BE LIMITED TO A TOTAL OF FIVE DAYS FOR WORK EFFECTING WYOMING BLVD.

30. No Closures of Wyoming will be allowed between 5am and 7pm Weekdays (Monday - Friday). Closures will only be allowed between 7pm and 5am Weekdays (Monday - Friday) and All day Saturday and Sunday.

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 MILES PER HOUR	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	$L = \frac{WS^2}{60}$
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

FOR INFORMATION ONLY

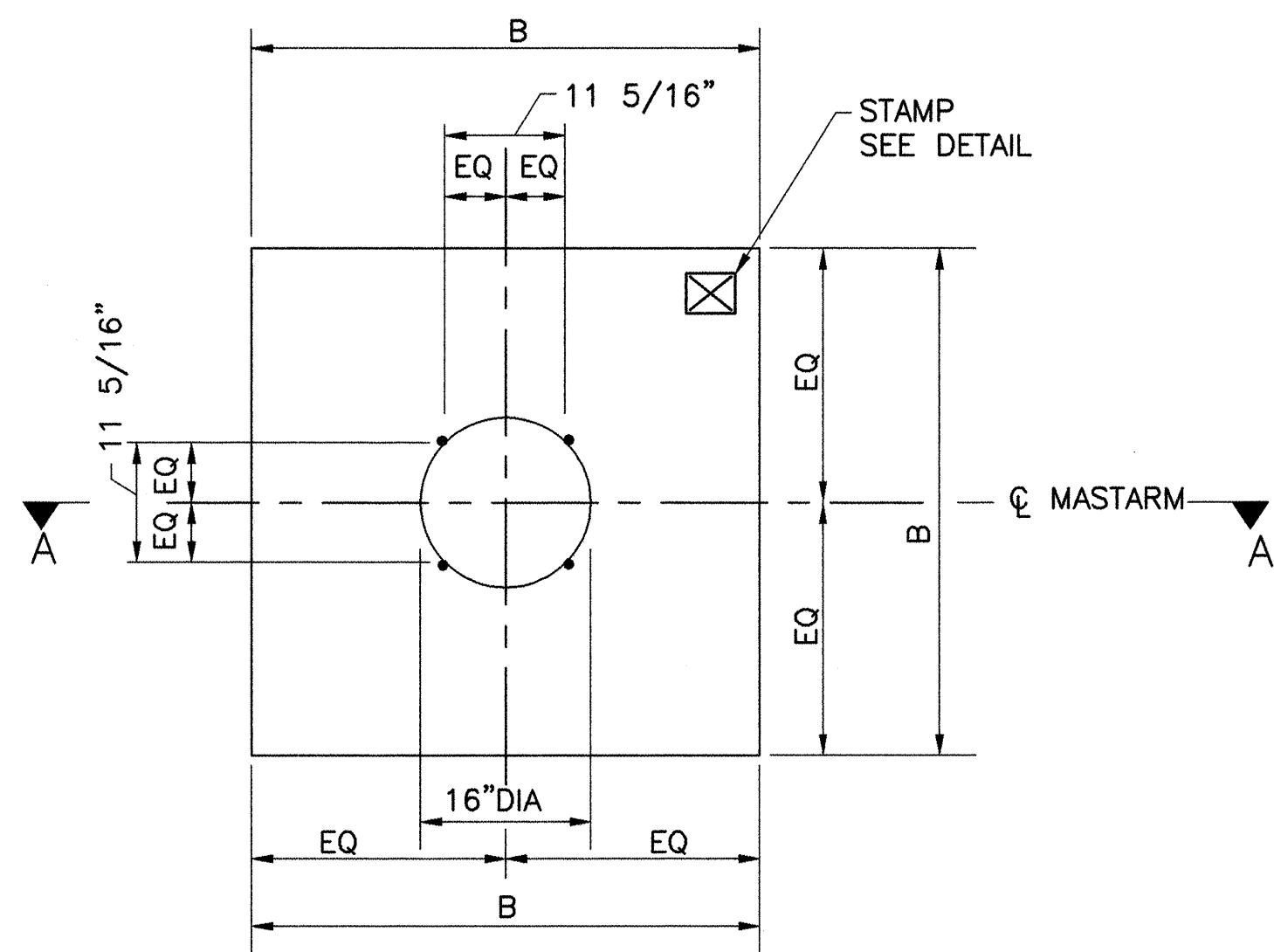
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS**

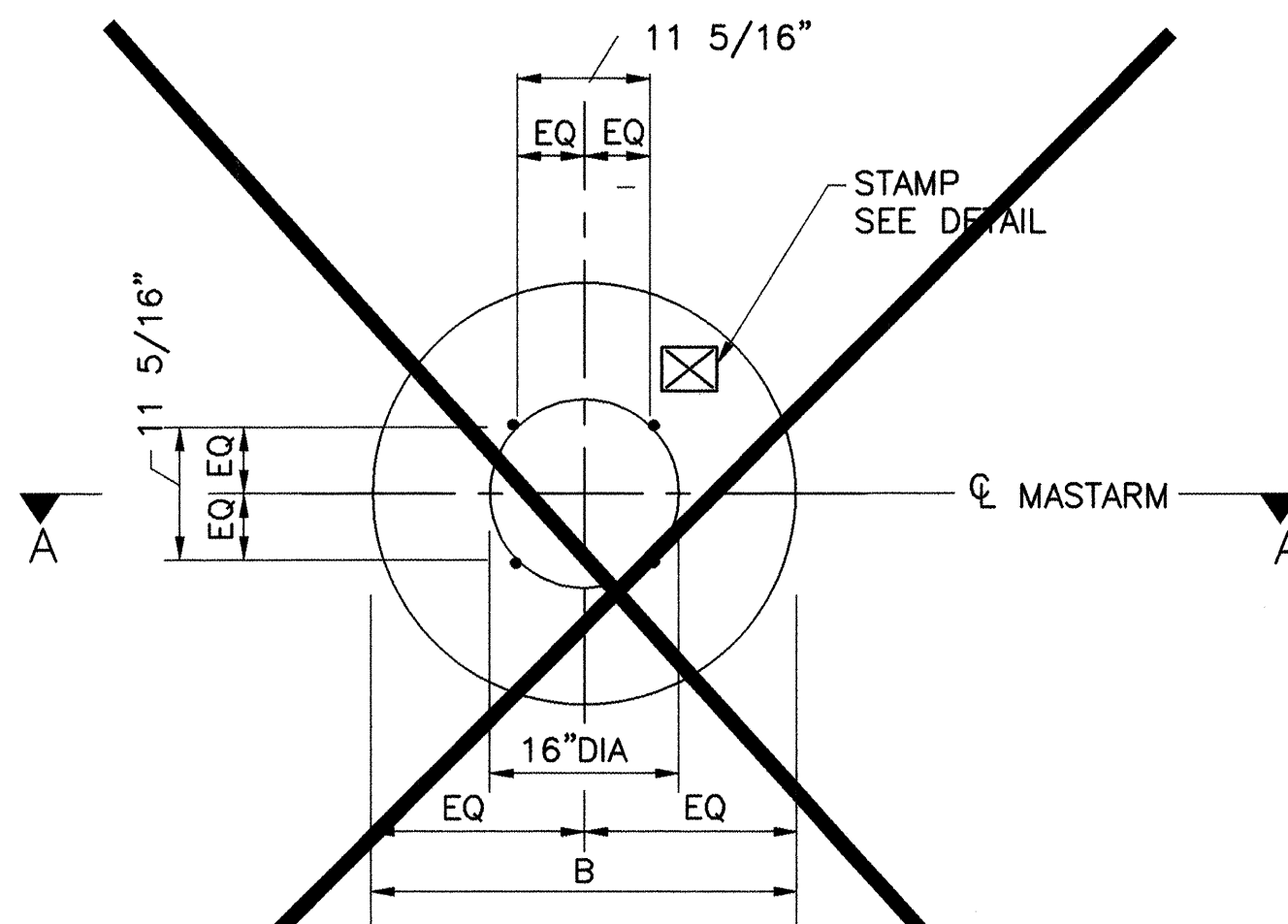
DESIGN REVIEW COMMITTEE: **COA** CITY ENGINEER APPROVAL: **STD**

LAST UPDATE: **MO/2017/11** **MO/2017/11**

PROJECT NO. **6042.91** MAP NO. **C-19** SHEET **9** OF **13**



PLAN VIEW (SQUARE)
NO SCALE



PLAN VIEW (ROUND)
NO SCALE

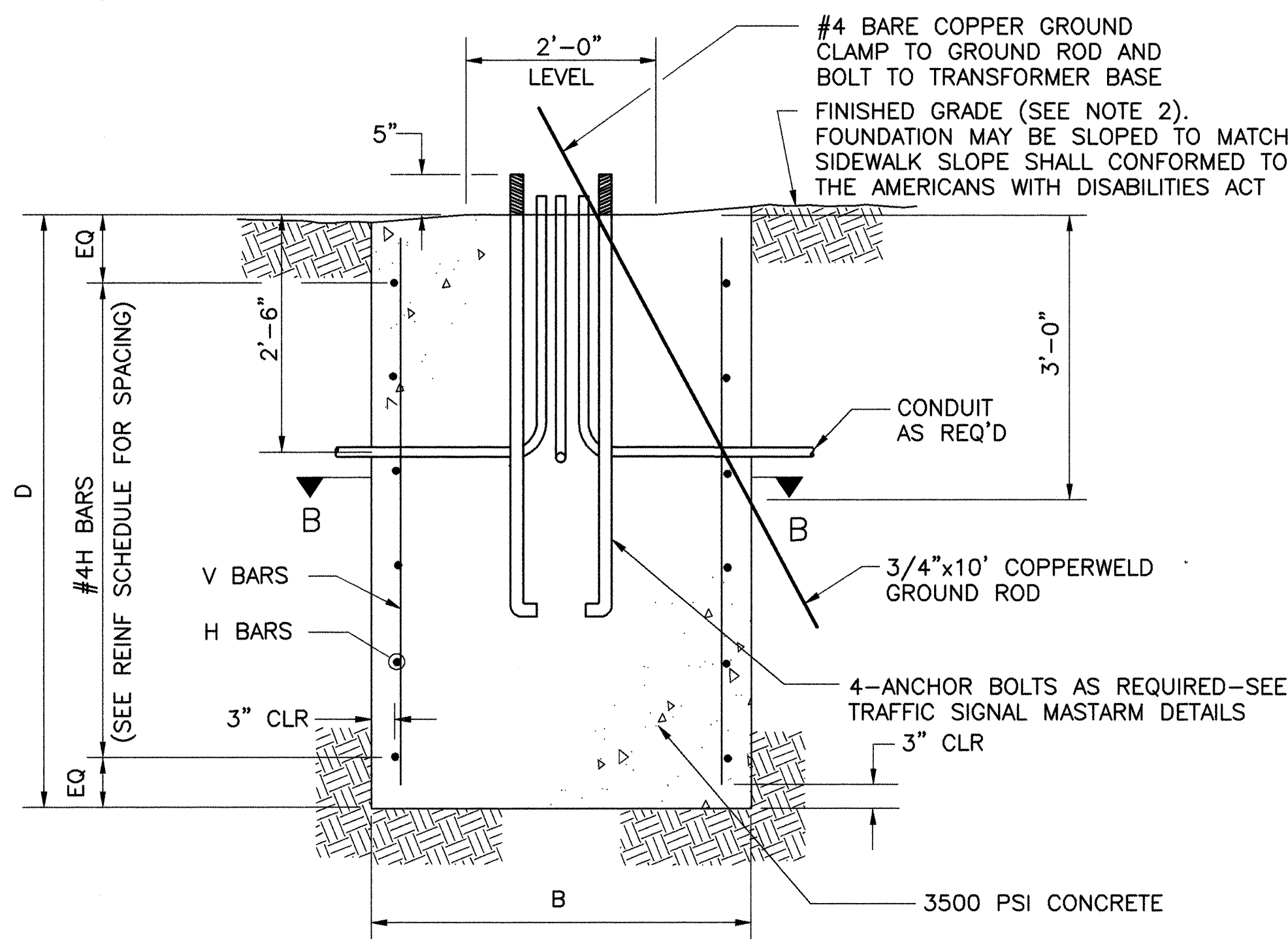
FOUNDATION DIMENSIONS AND QUANTITIES							
FOUNDATION TYPE	SIGNAL ARM SPAN(FT)	DIMENSION		REINFORCING		REBAR POUNDS	3500 PSI CONCRETE CUBIC YARDS
		B (WIDTH)	D (DEPTH)	V BARS MARK	H BARS MARK		
TYPE A (SQUARE)	15	3'-6"	5'-0"	#4V2	#3H2	49.1 •	2.27
	20	"	"	"	"	"	"
	25	"	"	"	"	"	"
TYPE B (SQUARE)	30	4'-0"	6'-3"	#5V1	#3H1	82.6	3.70
	35	"	"	"	"	"	"
	40	"	"	"	"	"	"
TYPE A (ROUND)	15	2'-6"	8'-6"	#6V4	#3H4	98.1	1.55
	20	"	"	"	"	"	"
	25	"	"	"	"	"	"
TYPE B (ROUND)	30	3'-0"	11'-9"	#7V3	#3H3	179.7	3.08
	35	"	"	"	"	"	"
	40	"	"	"	"	"	"

ROUND SHAPE TO BE USED ONLY WHERE SPECIFICALLY NOTED ON PLANS OR WHEN APPROVED BY THE PROJECT MANAGER.

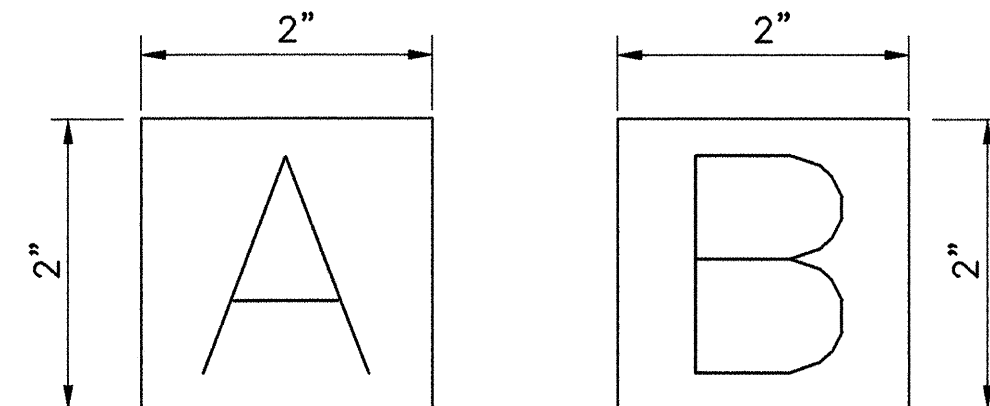
REINFORCING SCHEDULE (GRADE 60 BARS)					
MARK	QUANT	TYPE	SIZE	LENGTH	COMMENTS
#5V1	8	1	5	5'-9"	A = 42",TIES AT 14" OC A = 36",TIES AT 12" OC DIA = 30",TIES AT 12" OC DIA = 24",TIES AT 12" OC
#4V2	8	1	4	4'-6"	
#7V3	6	1	7	11'-3"	
#6V4	6	1	6	8'-0"	
#3H1	6	2	3	15'-4"	
#3H2	5	2	3	13'-4"	
#3H3	12	3	3	9'-3"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

TRAFFIC SIGNAL MASTARM FOUNDATION NOTES

- REFER TO THE PLANS FOR LOCATIONS OF TRAFFIC SIGNAL MASTARM 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 LINES MAY BE CAST AGAINST THE EARTH.
- THE CONCRETE SHALL GAIN 80% OF THE DESIGN STRENGTH PRIOR TO INSTALLING THE TRAFFIC SIGNAL MASTARM.
- 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).

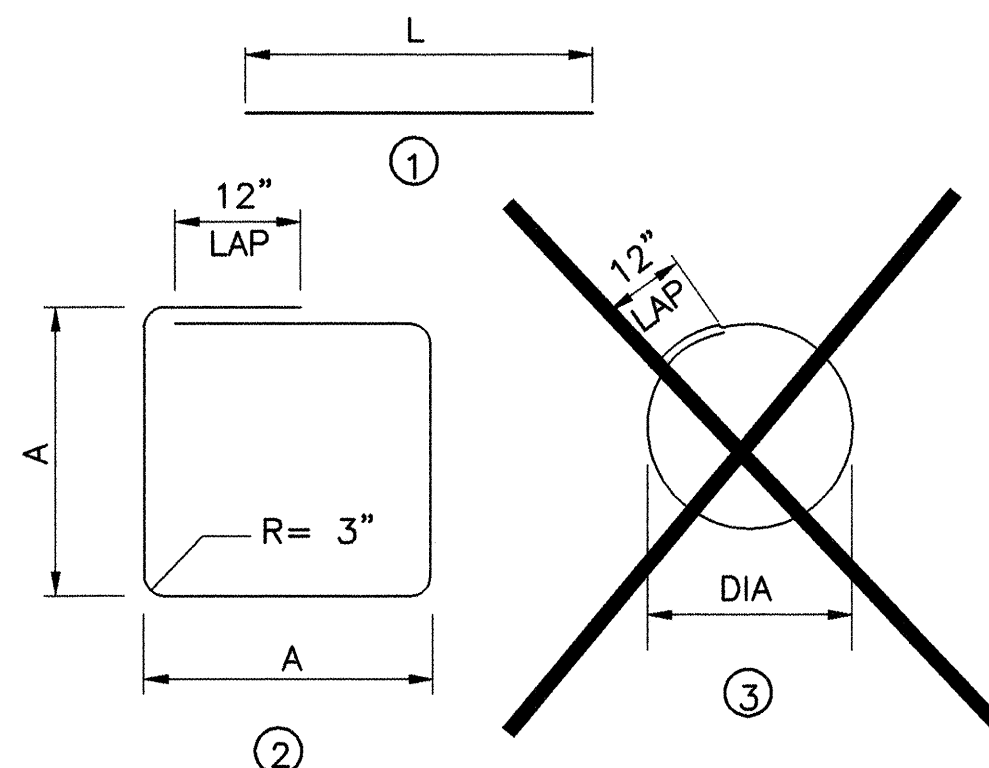


SECTION A-A (ROUND OR SQUARE)
NO SCALE

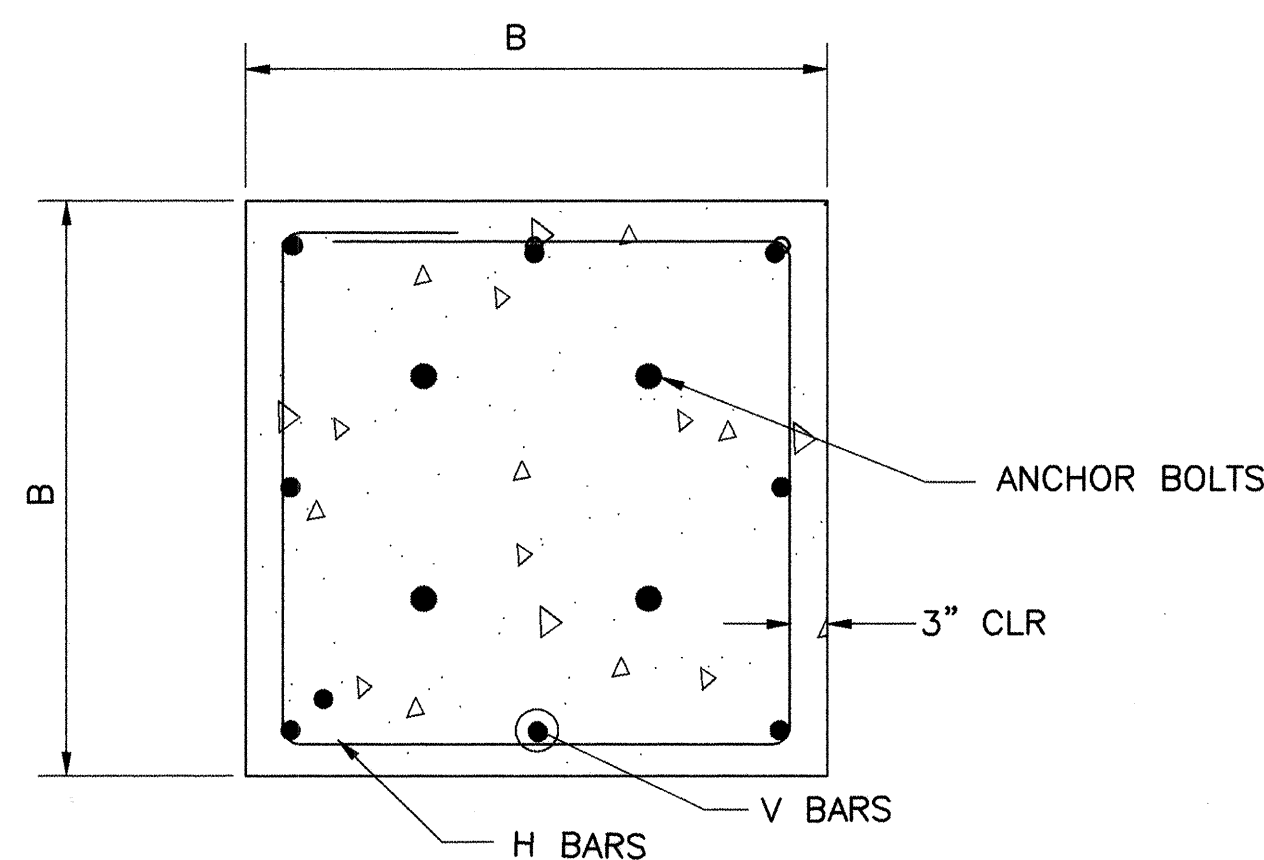


STAMP CONCRETE 1/4" DEEP TO MATCH FOUNDATION SIZE

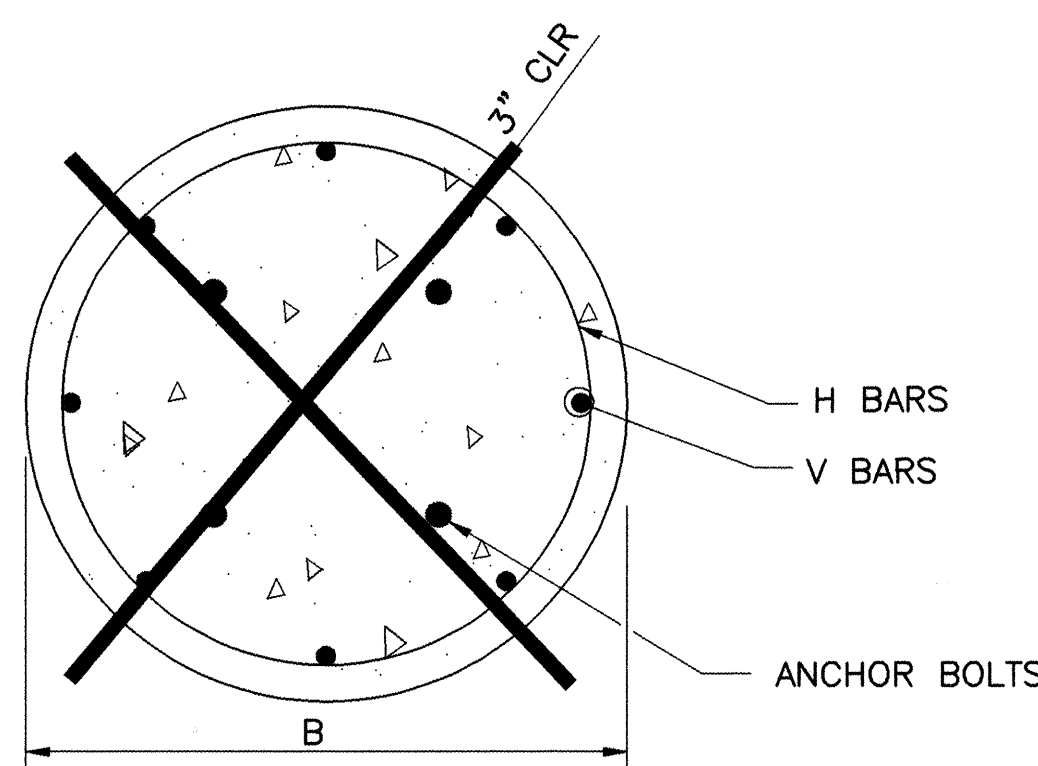
STAMP DETAIL
NO SCALE



BAR BENDING DIAGRAM



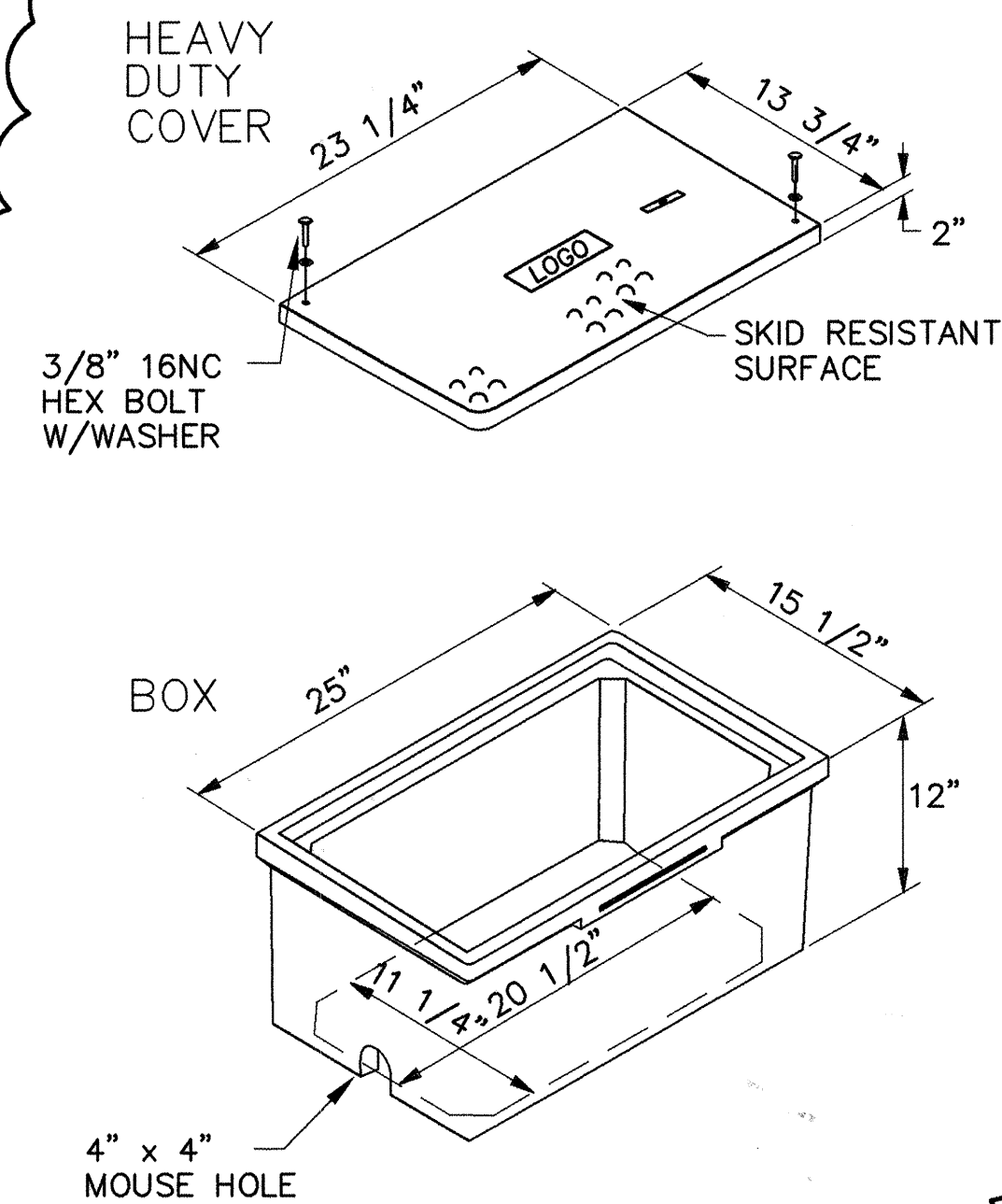
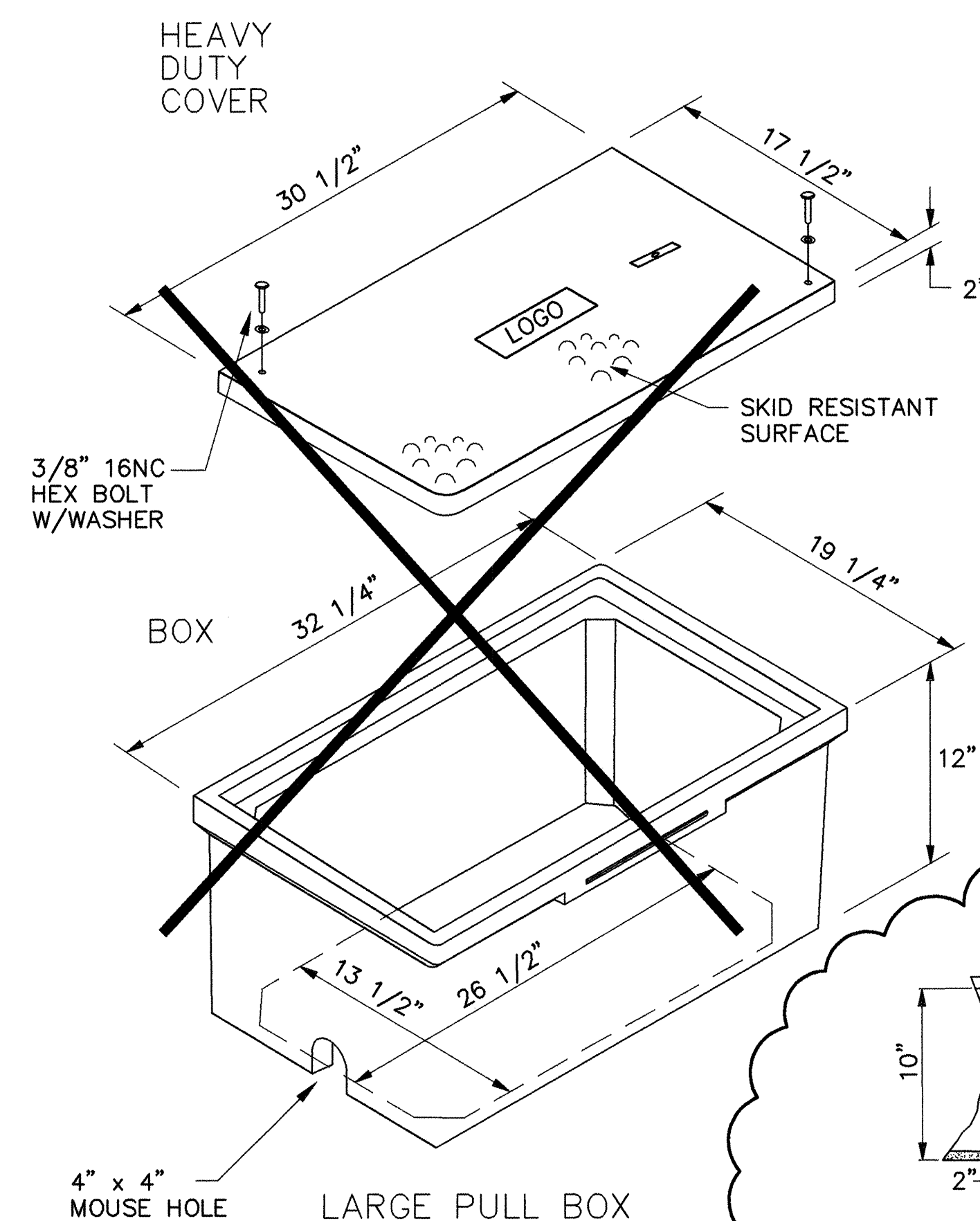
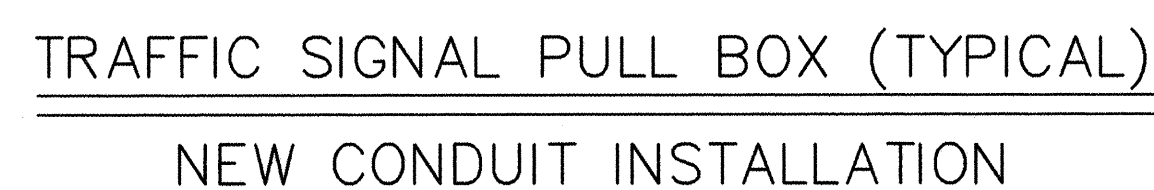
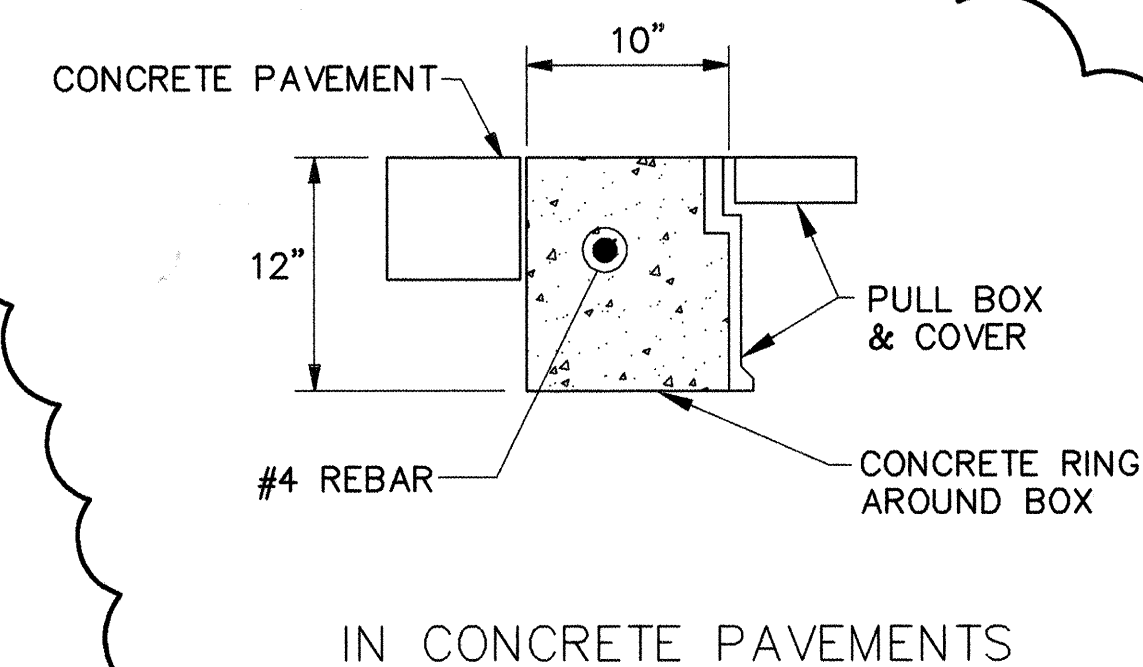
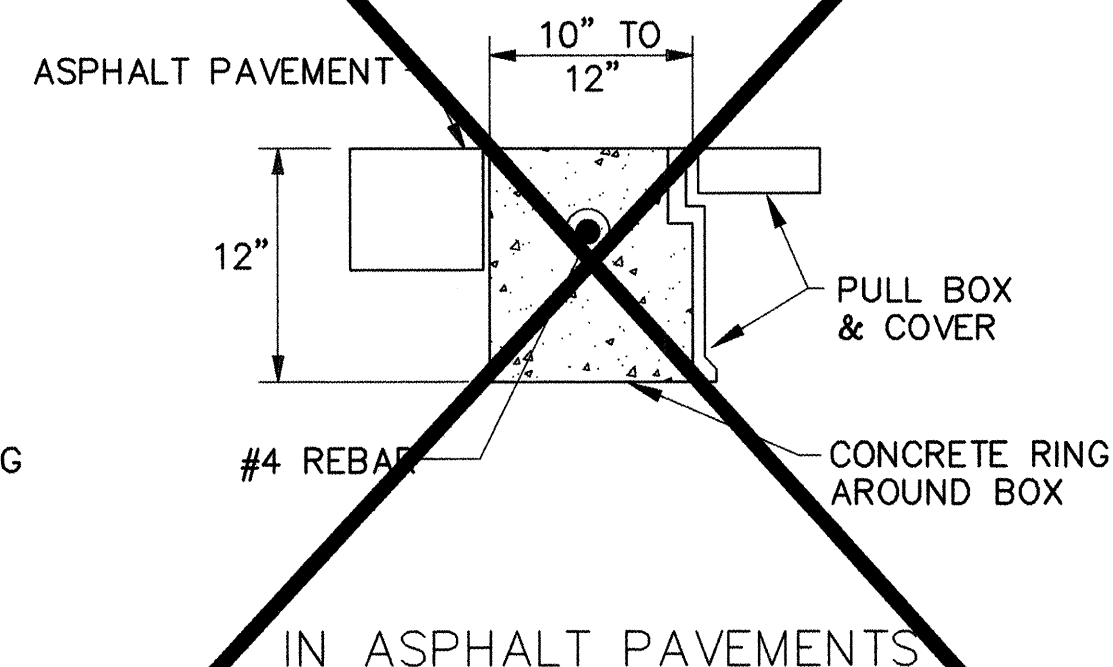
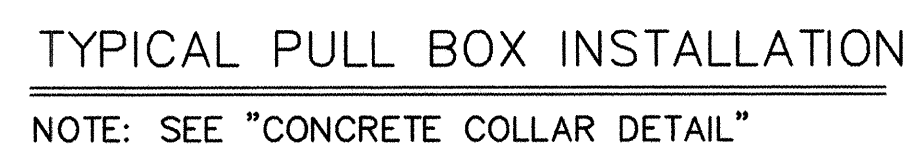
SECTION B-B (SQUARE)
NO SCALE



SECTION B-B (ROUND)
NO SCALE

FOR INFORMATION ONLY

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: TRAFFIC SIGNAL FOUNDATION DETAILS TYPE II AND TYPE III STANDARDS			
DESIGN REVIEW COMMITTEE APPROVED OCT 22 1999	CITY ENGINEER APPROVED OCT 22 1999	MO./DAY/YR.	MO./DAY/YR.
DESIGN REVIEW COMMITTEE	CITY ENGINEER	LAST DESIGN UPDATE	
CITY PROJECT NO. 6042.91	ZONE MAP NO. C-19	SHEET	OF
OFFSITE PHASE		TS-16	



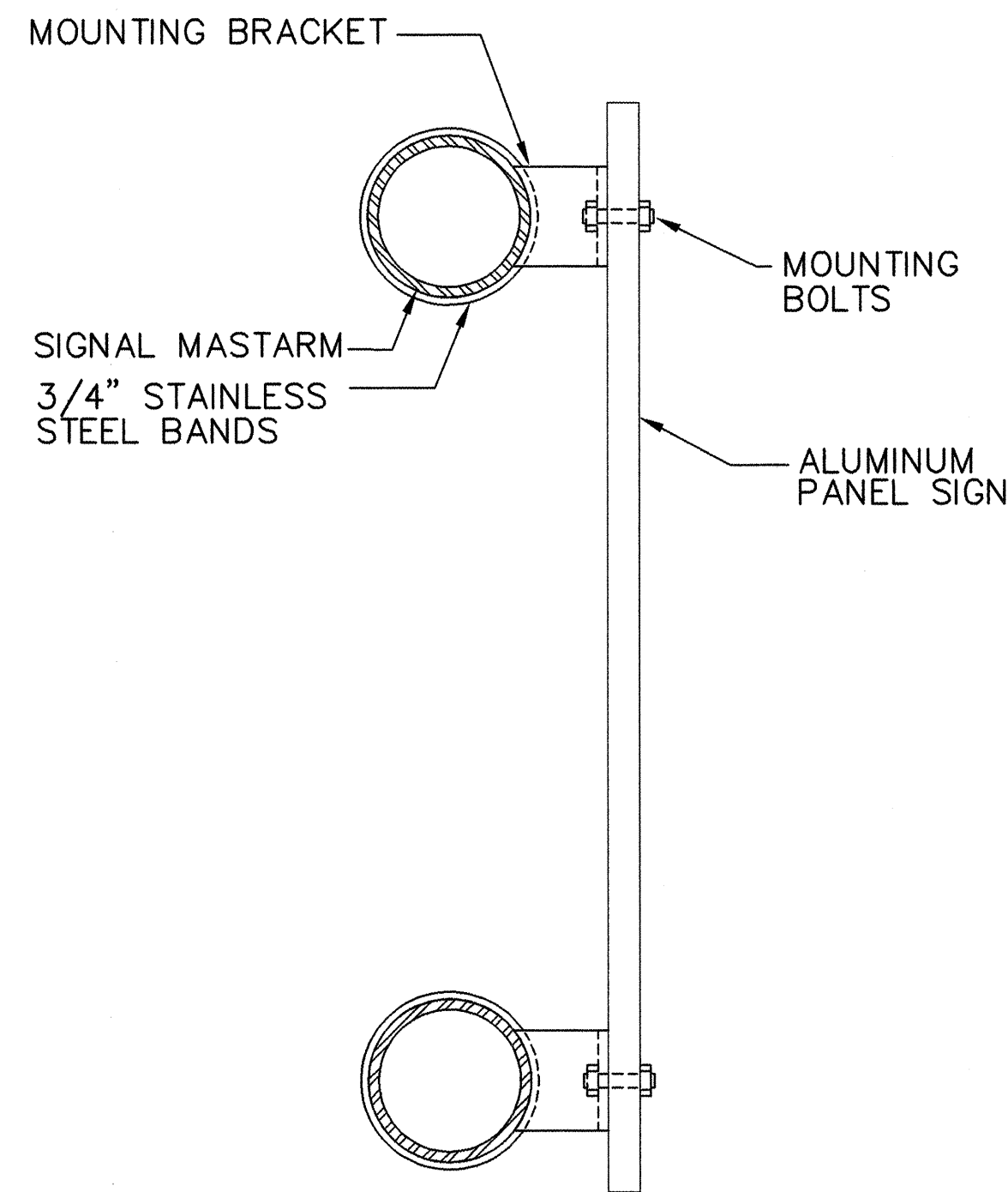
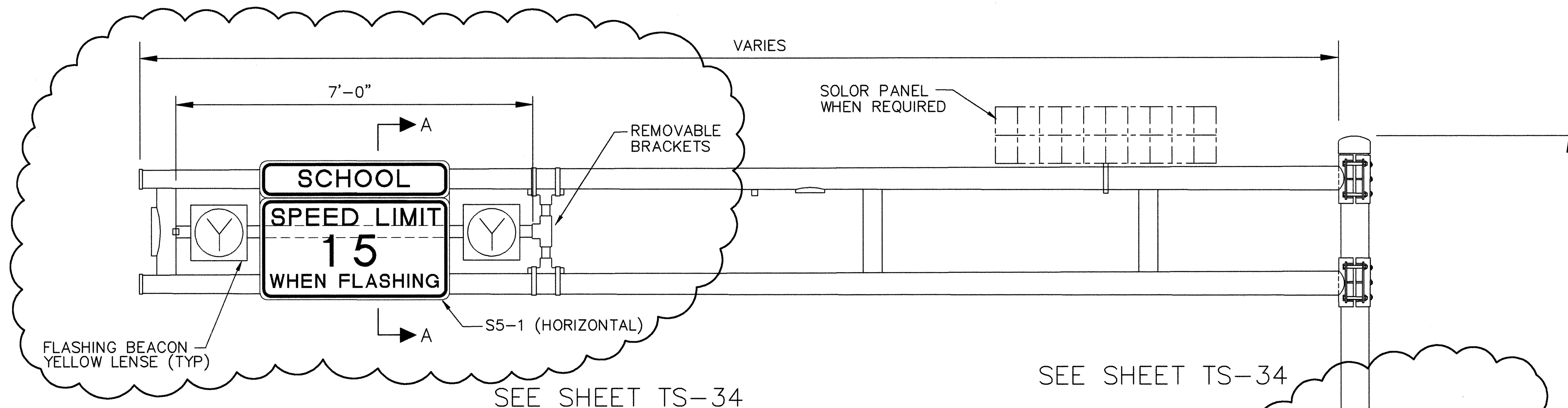
- NOTES FOR HEAVY DUTY REINFORCED POLYMER MORTAR PULL BOX AND COVERS

1. MATERIAL TO BE AN AGGREGATE CONSISTING OF SAND AND GRAVEL BOUND TOGETHER WITH A POLYMER AND REINFORCED WITH CONTINUOUS WOVEN GLASS STRANDS. 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".

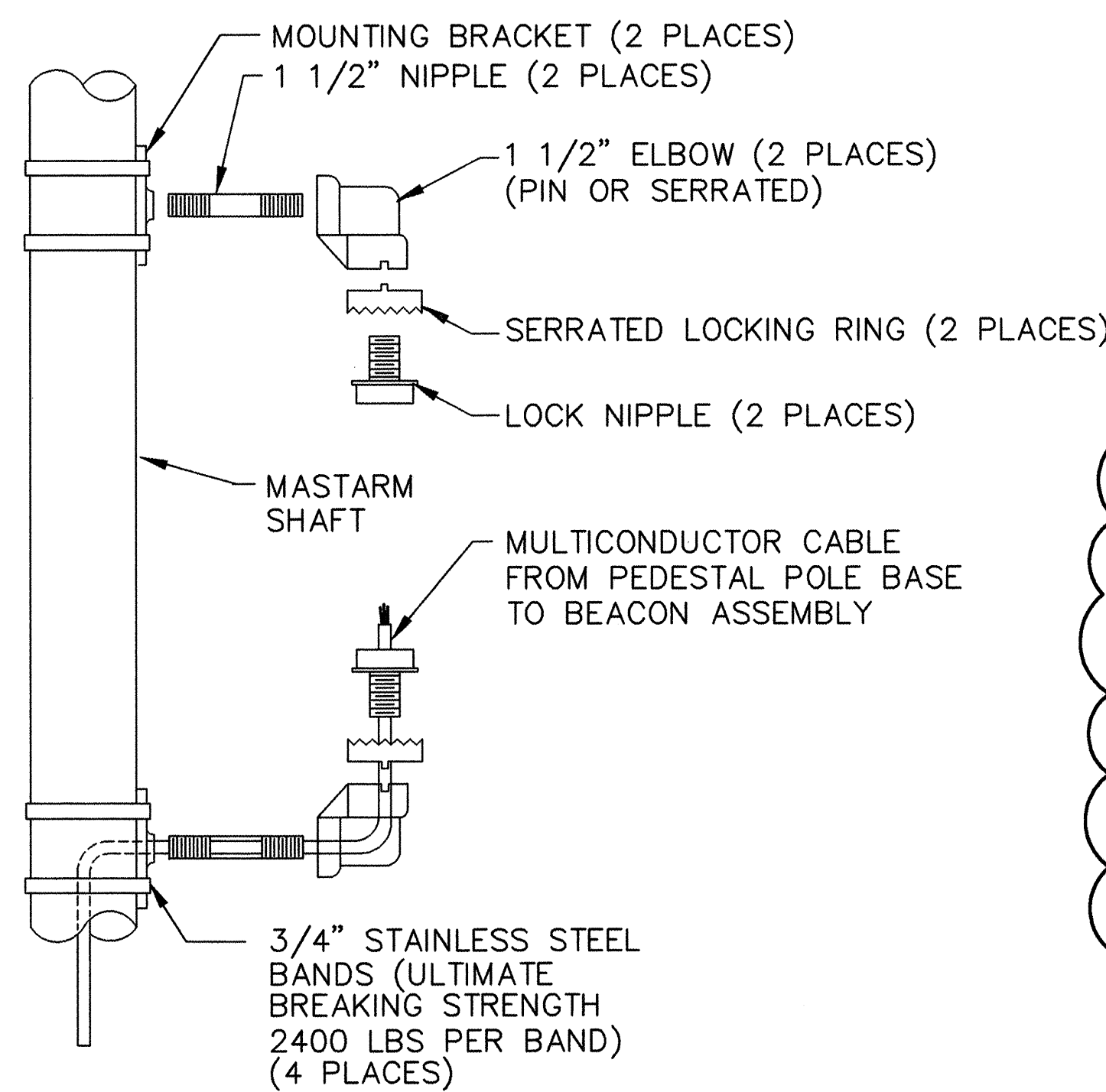
OFFSITE PHASE

ENGINEER'S SEAL				SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION	
				FIELD NOTES					
				NO.	BY	DATE			
NO.	DATE	REMARKS	BY					CONTRACTOR	DATE
REVISIONS								DRAWN BY	DATE
								INSPECTOR'S	DATE
								ACCEPTANCE BY	DATE
								VERIFICATION BY	DATE
DESIGN								DRAWINGS	DATE
								CORRECTED BY	
DESIGNED BY COA								MICRO-FILM INFORMATION	
DATE 8-97								RECORDED BY	DATE
DRAWN BY COA									
DATE 8-97								NO.	

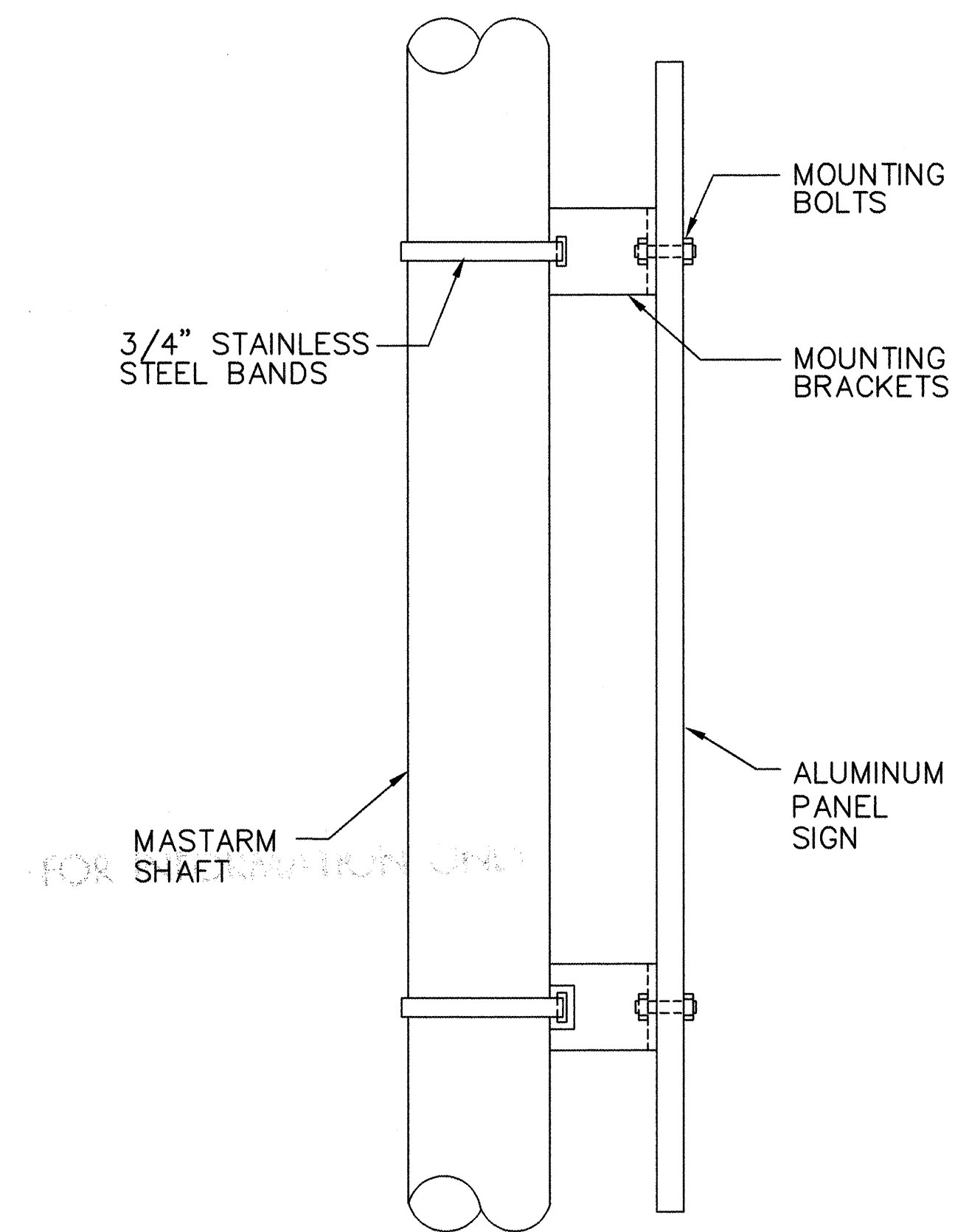
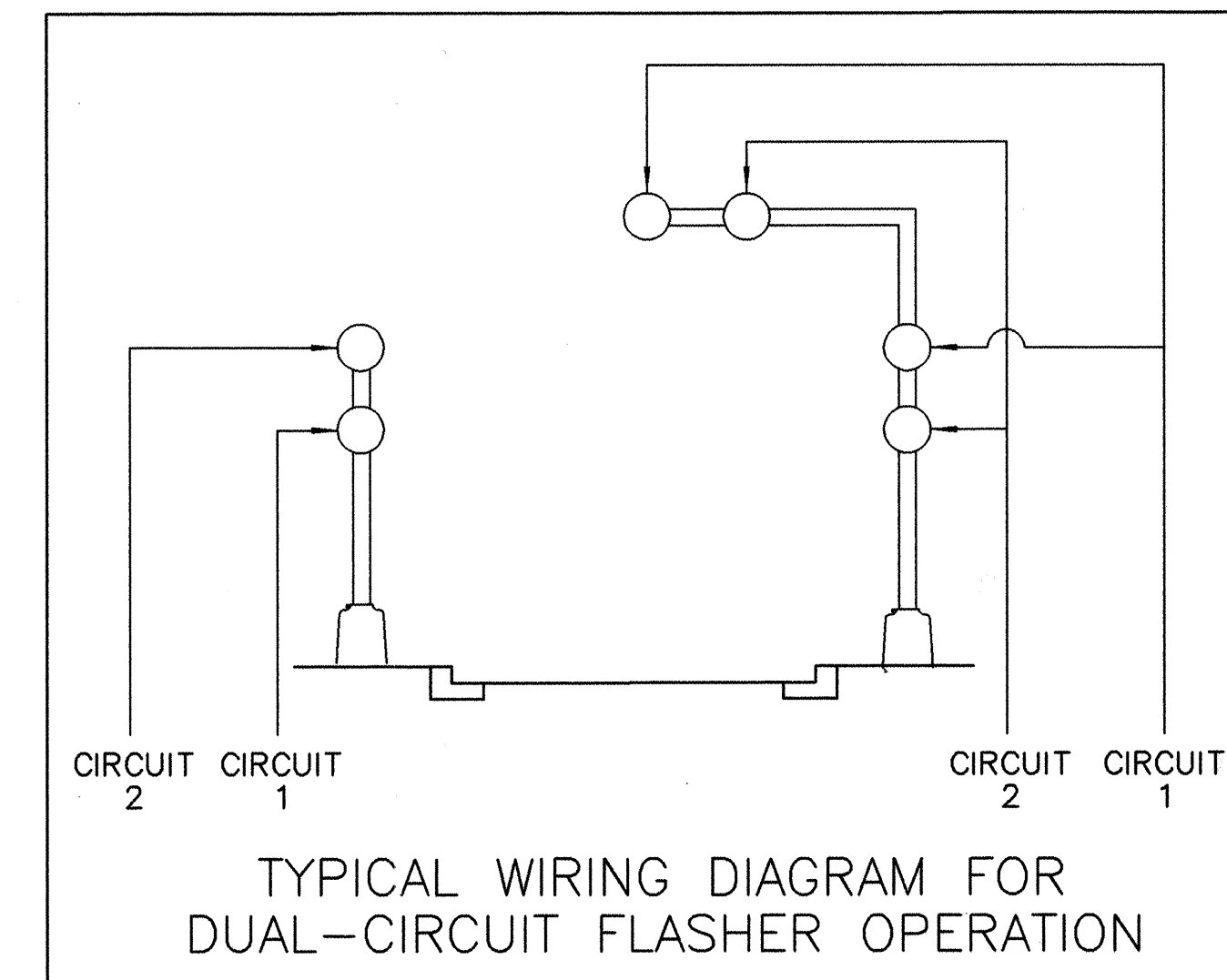
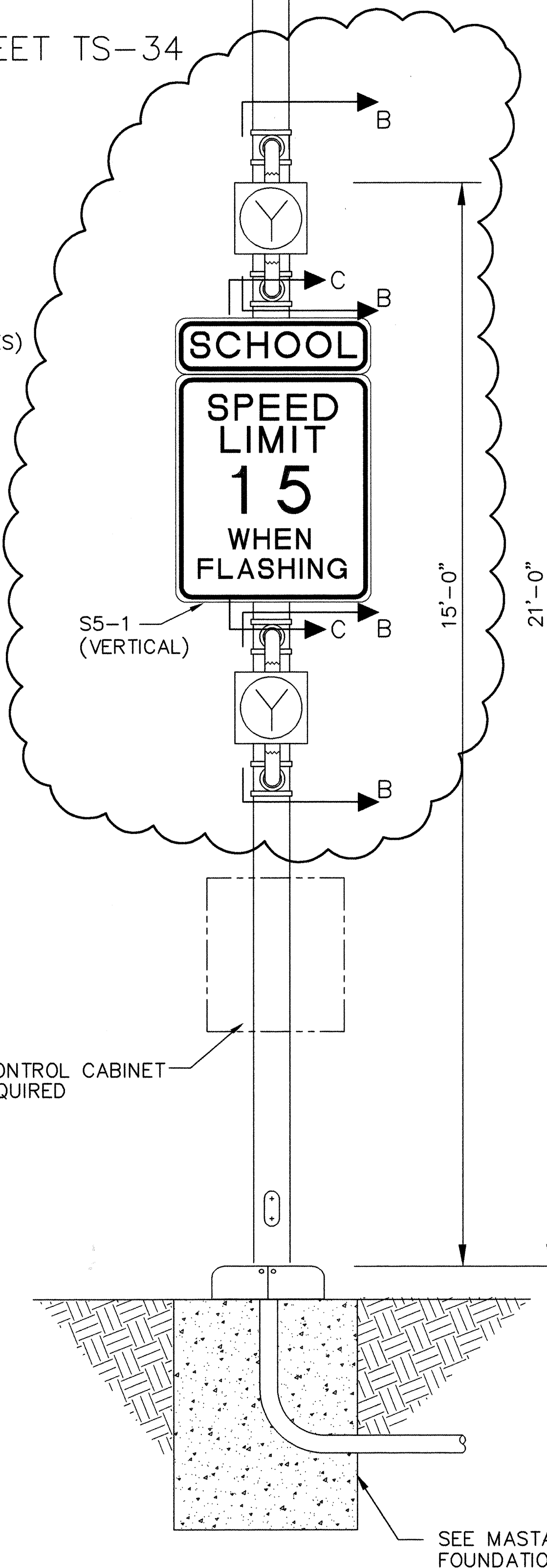
	CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP																			
TITLE: TRAFFIC SIGNAL PULL BOX DETAILS																				
DESIGN REVIEW COMMITTEE APPROVE OCT 2 2 1999 DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL APPROVE OCT 2 2 1999 CITY ENGINEER	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%; text-align: center; vertical-align: middle;">LAST DESIGN UPDATE</td> <td style="width: 45%; text-align: center;">MO./DAY/YR.</td> <td style="width: 45%; text-align: center;">MO./DAY/YR.</td> </tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td></tr> </table>	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.															
LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.																		
CITY PROJECT NO.	ZONE MAP NO.	SHEET OF																		
6042.91	C-19	TS-20																		



HORIZONTAL SIGN MOUNT DETAIL
SECTION A-A



SIGNAL MOUNT DETAIL
SECTION B-B

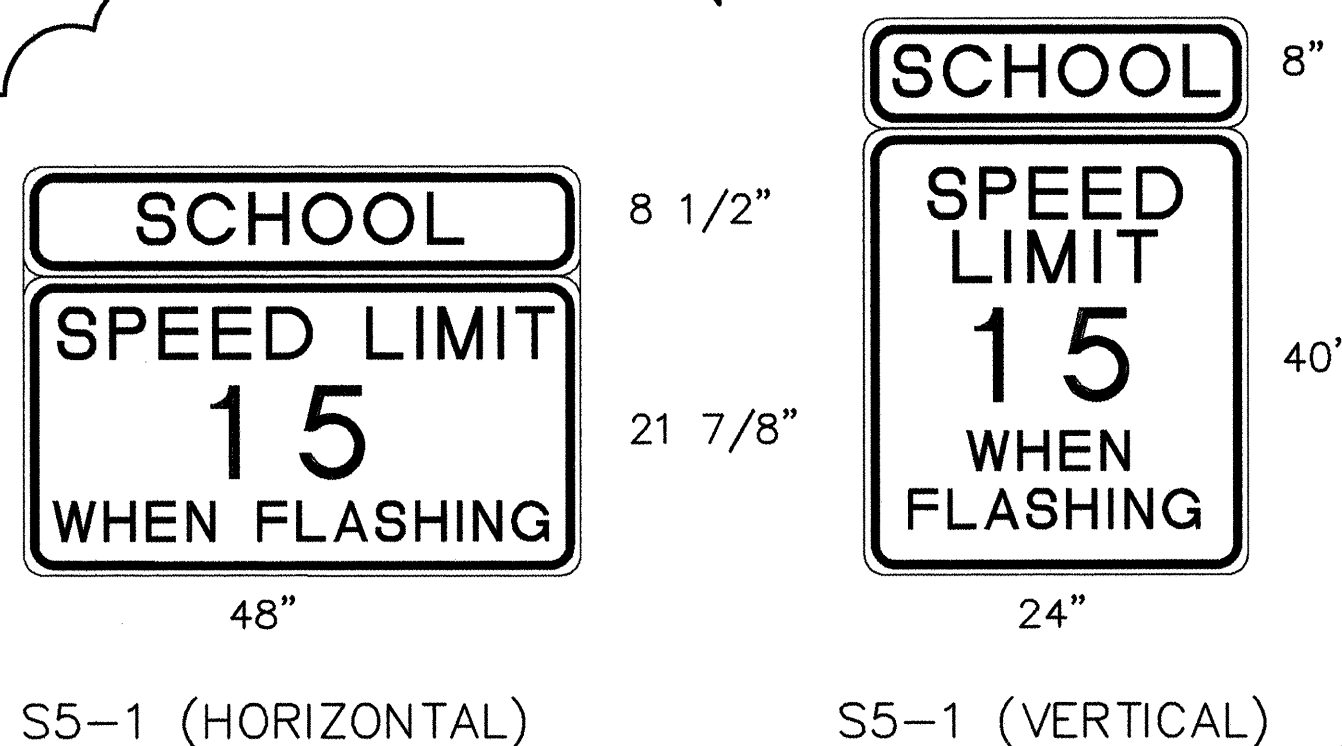


VERTICAL SIGN MOUNT DETAIL
SECTION C-C

FOR INFORMATION ONLY

NOTES:

1. EACH SCHOOL BEACON (MASTARM) WILL BE MEASURED AND PAID FOR UNDER THE FOLLOWING ITEMS:
ITEM 0422.0XX - TRAFFIC SIGNAL MASTARM X' 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 SIGN FACE
DETAIL FOR SCHOOL BEACON

COLORS

LEGEND: BLACK(NON-REFLECTIVE)
TOP PANEL: YELLOW
BOTTOM PANEL: WHITE
OUTSIDE BORDER: WHITE
INSIDE BORDER: BLACK

ENGINEER'S SEAL										SURVEY INFORMATION			BENCH MARKS			AS-BUILT INFORMATION					
										FIELD NOTES											
										NO.		BY						DATE			
NO.		DATE		REMARKS		BY															
DESIGNED BY COA																					
DRAWN BY COA																					
CHECKED BY COA																					
DATE 8-97																					
DATE 8-97																					
DATE 8-97																					
CONTRACTOR																					
WORK ORDER BY																					
INSPECTOR'S																					
ACCEPTANCE BY																					
FIELD LOCATION BY																					
DRAWINGS																					
CORRECTED BY																					
MICRO-FILM INFORMATION																					
RECORDED BY																					
DATE																					
NO.																					

		CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP	
TITLE: TRAFFIC SIGNAL SCHOOL BEACON DETAILS (MASTARM)			
DESIGN REVIEW COMMITTEE APPROVED OCT 22 1999	ENGINEER'S APPROVAL APPROVED OCT 22 1999 CITY ENGINEER	NO./DAY/YR.	NO./DAY/YR.
DESIGN REVIEW COMMITTEE	CITY ENGINEER	LAST DESIGN UPDATE	
CITY PROJECT NO. 6042.91	ZONE MAP NO. C-19	SHEET OF TS-36	

OFFSITE PHASE