

West Central Neon Gateway Project

Phase Two – Western Gateway

CITY OF ALBUQUERQUE

FAMILY AND COMMUNITY SERVICES

UTILITY COMPANY CONTACTS

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Harrison, Royal	Office phone: (505) 938-7339 Office fax: 938-7380 Royal.Harrison@twtelecom.com	Time Warner Telecom Plant Manager 3830 Singer Blvd. NE Suite 1000 Albuquerque, NM 87109
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Mueller, Rick	Office phone: (505) 244-3161 Office fax: 244-0094 Mobile: 228-3329 rdmueller@mcleodusa.com	McLeod USA Supervisor of Outside Techs. 505 Marquette NW (Compass Bank) Suite 1600 Albuquerque, Nm 87102

SITE IMPROVEMENTS

INDEX

SHEET

DESCRIPTION

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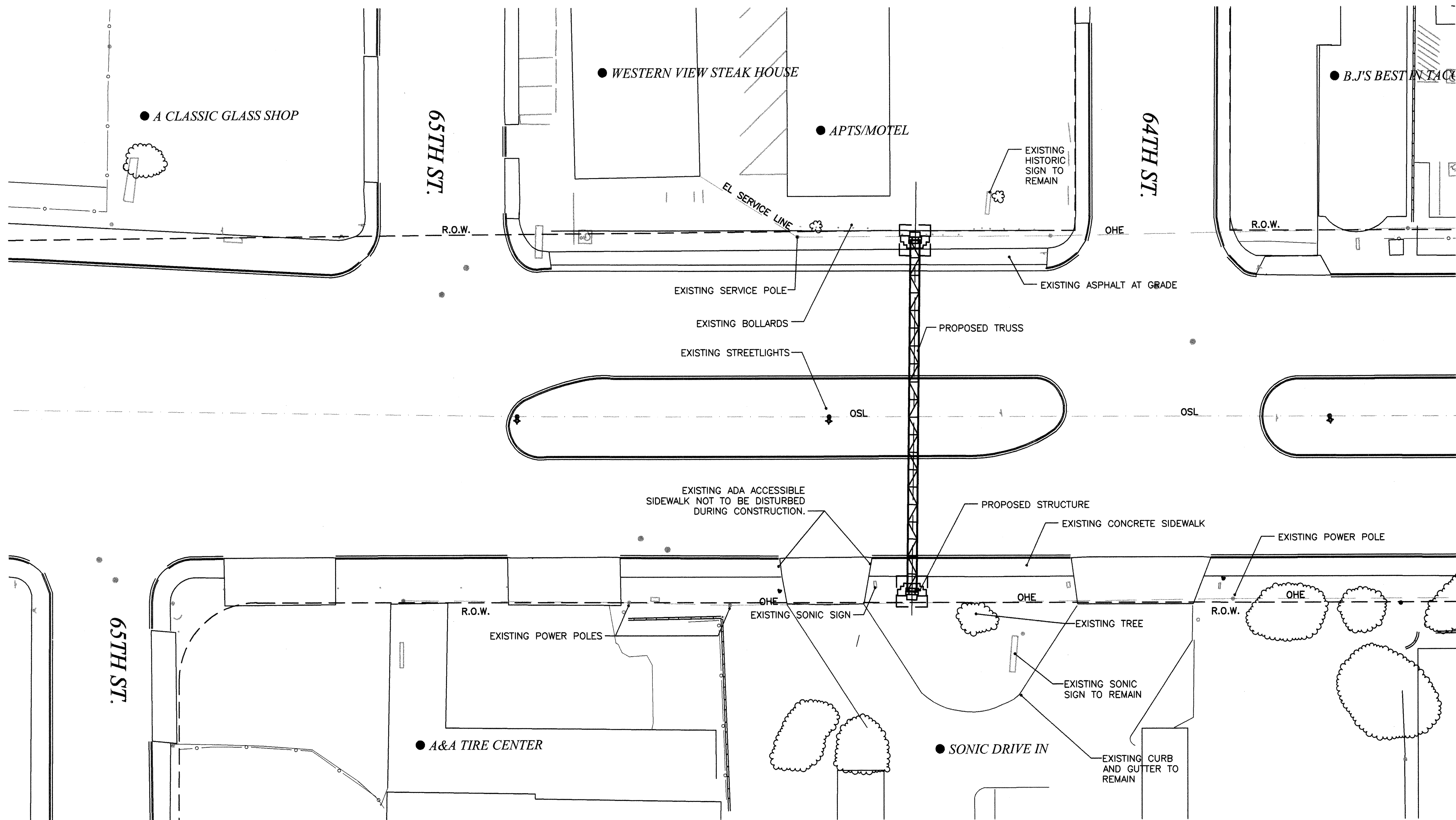
CONSTRUCTION NOTES:

- WHEN ABUTTING NEW CURB AND GUTTER TO EXISTING PAVEMENT, A 1' WIDE SECTION OF EXISTING PAVEMENT ADJACENT TO THE CURB AND GUTTER SHALL BE SAWCUT, REMOVED, AND REPLACED AS PER THE STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL ABIDE BY ALL LOCAL, STATE, AND FEDERAL LAWS, RULES AND REGULATIONS WHICH APPLY TO THE CONSTRUCTION OF THESE IMPROVEMENTS.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL POTENTIAL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION OBSERVER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- ALL ELECTRICAL, TELEPHONE, CABLE TV, GAS AND OTHER UTILITY LINES, CABLES, AND APPURTENANCES ENCOUNTERED DURING CONSTRUCTION THAT REQUIRE RELOCATION, SHALL BE COORDINATED WITH THAT UTILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL NECESSARY UTILITY ADJUSTMENTS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR DELAYS OR INCONVENIENCES CAUSED BY UTILITY COMPANY WORK CREWS. THE CONTRACTOR MAY BE REQUIRED TO RESCHEDULE HIS ACTIVITIES TO ALLOW UTILITY CREWS TO PERFORM THEIR REQUIRED WORK.
- A DISPOSAL SITE FOR ALL EXCESS EXCAVATION MATERIAL, AND UNSUITABLE MATERIAL SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE ENVIRONMENTAL REGULATIONS AND APPROVED BY THE CONSTRUCTION OBSERVER. ALL COSTS INCURRED IN OBTAINING A DISPOSAL SITE AND HAUL THERETO SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE.
- THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING THE EXISTING UTILITY LINES WITHIN THE CONSTRUCTION AREA. ANY DAMAGE TO EXISTING FACILITIES CAUSED BY CONSTRUCTION ACTIVITY SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE AND APPROVED BY THE CONSTRUCTION OBSERVER.
- CONSTRUCTION ACTIVITY SHALL BE LIMITED TO THE PROPERTY AND/OR PROJECT LIMITS. ANY DAMAGE TO ADJACENT PROPERTIES RESULTING FROM THE CONSTRUCTION PROCESS IS THE RESPONSIBILITY OF THE CONTRACTOR. ANY COSTS INCURRED FOR REPAIRS SHALL BE THE COST OF THE CONTRACTOR.
- OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAYS OR DESIGNATED TRAFFIC LANES. THE CONTRACTOR SHALL NOT STORE ANY EQUIPMENT OR MATERIAL WITHIN THE PUBLIC RIGHT-OF-WAY.
- THE CONTRACTOR SHALL OBTAIN ALL THE NECESSARY PERMITS FOR THE PROJECT PRIOR TO COMMENCING CONSTRUCTION (I.E. BARRICADING, TOPSOIL DISTURBANCE AND EXCAVATION PERMITS, ETC.)
- THE CONTRACTOR SHALL BE RESPONSIBLE TO REPLACE AT HIS EXPENSE ANY AND ALL PROPERTY CORNERS DESTROYED DURING CONSTRUCTION. ALL PROPERTY CORNERS MUST BE RESET BY A REGISTERED LAND SURVEYOR.
- ALL PERMANENT PAVEMENT MARKING AND TRAFFIC SIGNING SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR PER PLAN.
- THE CONTRACTOR SHALL PREPARE A CONSTRUCTION TRAFFIC CONTROL AND SIGNING PLAN AND OBTAIN APPROVAL OF SUCH PLAN FROM THE CITY OF ALBUQUERQUE, TRAFFIC ENGINEERING DEPARTMENT, PRIOR TO BEGINNING ANY CONSTRUCTION WORK ON OR ADJACENT TO EXISTING STREETS.
- ALL BARRICADES AND CONSTRUCTION SIGNING SHALL CONFORM TO APPLICABLE SECTIONS OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD), U.S. DEPARTMENT OF TRANSPORTATION, LATEST EDITION.
- THE CONTRACTOR SHALL MAINTAIN ALL CONSTRUCTION BARRICADES AND SIGNING AT ALL TIMES. THE CONTRACTOR SHALL VERIFY THE PROPER LOCATION OF ALL BARRICADING AT THE END AND BEGINNING OF EACH DAY.
- ALL SAWCUT PAVEMENT SHALL HAVE A UNIFORM EDGE AND BE SPRAYED WITH TACK.

FOR INFORMATION ONLY



CENTRAL AVENUE		COORS BLVD.	65th Ave.	64th Ave.
65th Ave.		PROJECT SITE		64th Ave.
VICINITY MAP NOT TO SCALE J-12				
NOTICE TO CONTRACTORS				
<ol style="list-style-type: none">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 THROUGH UPDATE No.6TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES.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 OR SURVEYOR IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONST. COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (924-3400) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKINGS BY CONTRACTOR TO LOCATION AS EXISTING OR AS INDICATED BY THIS PLAN SET.CONTRACTOR SHALL NOTIFY THE ENGINEER 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 ELEVATIONS 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 GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS. ANY PERMANENT SURVEY MONUMENT LOCATED WITHIN 50' OF THE PROJECT LIMITS NOT SHOWN ON THE PLANS THAT IS DESTROYED DURING CONSTRUCTION WILL BE REPLACED AT DESIGNER'S EXPENSE.CONTRACTOR SHALL EXERCISE CAUTION WHEN WORKING IN THE VICINITY OF EXISTING CITY FACILITIES. ANY DAMAGED ITEMS SHALL BE REPAIRED OR REPLACED IN KIND, AS DETERMINED BY THE OWNER'S REPRESENTATIVE. REPLACEMENTS SHALL BE AT THE CONTRACTOR'S EXPENSE, AS PER C.O.A. SPECS.CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM ALL EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.				
THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED				
<input type="checkbox"/> ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.				
<input checked="" type="checkbox"/> BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.				
<input type="checkbox"/> TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE ENGINEER.				
<input type="checkbox"/> SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.				
<input type="checkbox"/> IF CURB IS DEPRESSED FOR A DRIVEPAD, THE DRIVEPAD SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.				
<input type="checkbox"/> ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.				
<input type="checkbox"/> THE REQUESTOR OR DEVELOPER SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT OF ALL CURB AND GUTTER OR SIDEWALK DAMAGED AFTER APPROVAL BY THE CITY ENGINEER OF WORK COMPLETED BY THE CONTRACTOR.				
REV. SHEETS CITY ENGINEER DATE USER DEPARTMENT DATE USER DEPARTMENT DATE				
LANDSCAPE ARCHITECT'S STAMP				
APPROVALS ENGINEER DATE				
DRC Chairman 4-22-04				
Transportation 4-12-04				
Water/Wastewater 4-12-04				
Hydrology 4-12-04				
Parks 4-22-04				
Const. Coord. 4-22-04				
City Architect 4-22-04				
CITY PROJECT NO. 563403				
SHEET 1 OF 16				



Legend:

- OHE — EXISTING OVERHEAD ELECTRICAL, CABLE AND QUEST
- OSL — EXISTING OVERHEAD POWER FOR STREET LIGHTING
- SERVICE LINE — EXISTING OVERHEAD SERVICE CONNECTION
- RIGHT OF WAY (ROW)
- ROW CONSTRUCTION EASEMENT
- EXISTING POWER POLE
- EXISTING STREET LIGHT
- EXISTING VEGETATION

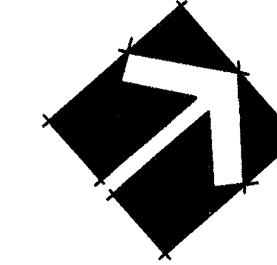
Notes:

- ENCROACHMENT EASEMENT SHALL BE RECORDED FOR SONIC DRIVE IN AND APARTMENT PROPERTY.
- RECORDING#:2004031619 BK:A74 PG:1536
RECORDING#:2004031620 BK:A74 PG:1537

FOR INFORMATION ONLY

Site Plan

Scale 1"= 20'



Scale: 1" = 20'

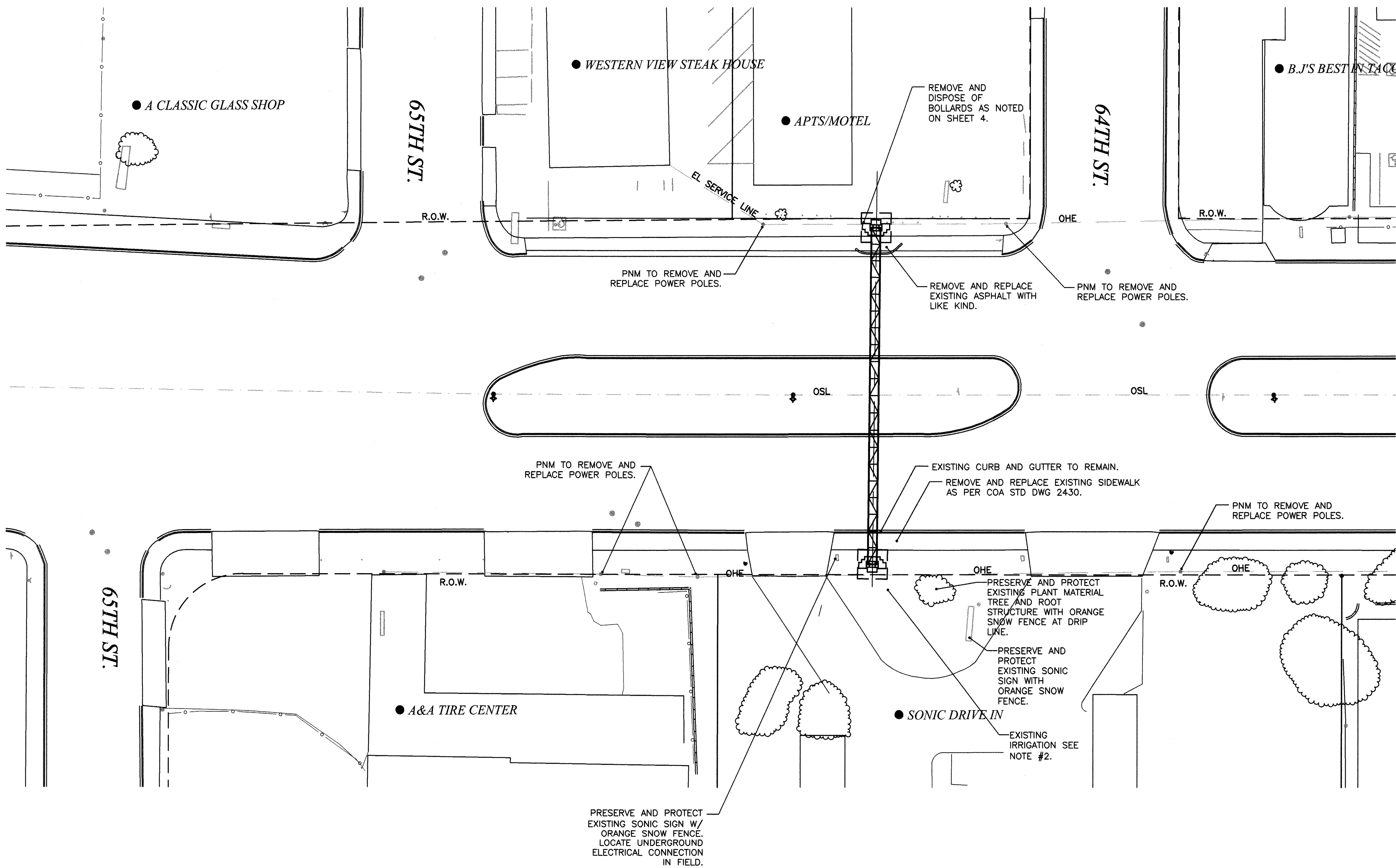
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
WEST CENTRAL NEON GATEWAY PROJECT Site Plan			
Design Review Committee	City Engineer Approval	Mo./Day/Yr. Mo./Day/Yr. _____ _____	
 APR 22 2004 DESIGN REVIEW COMMITTEE	 CITY ENGINEER	Last Design Update _____	
City Project No.	Zone Map No.	Sheet	Of
563403	K-11-Z	2	16

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		LANDSCAPE ARCHITECT'S SEAL	
CONTRACTOR	DATE			FIELD NOTES			
WORKED BY	DATE						
INSPECTOR'S	DATE						
ACCEPTANCE BY	DATE						
VERIFICATION BY	DATE						
DRAWINGS	DATE						
CORRECTED BY	DATE						
MICRO-FILM INFORMATION							
RECORDED BY	DATE						
NO.							



REVISIONS	BY	DATE
DESIGN	PG/JG	02/04/04
	JG	02/04/04
	JG	02/04/04





Legend:

- OHE ——— EXISTING OVERHEAD ELECTRICAL, CABLE AND QUEST
OSL ——— EXISTING OVERHEAD POWER FOR STREET LIGHTING
SERVICE LINE ——— EXISTING OVERHEAD SERVICE CONNECTION
- EXISTING POWER POLE
• EXISTING STREET LIGHT
• EXISTING VEGETATION

Notes:

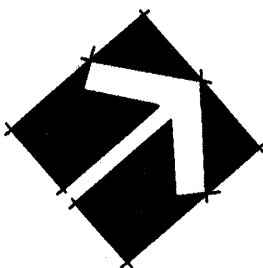
1. ENCROACHMENT EASEMENT SHALL BE RECORDED FOR SONIC DRIVE IN AND APARTMENT PROPERTY
2. LOCATE IRRIGATION IN FIELD AND CAP PRIOR TO CONSTRUCTION. SALVAGE IRRIGATION HEADS. SUBSEQUENT TO CONSTRUCTION INSTALL IRRIGATION LATERALS AND RELOCATE HEADS. COORDINATE WITH SONIC MAINTENANCE.

FOR INFORMATION ONLY



Site Plan

Scale 1"= 20'



20 10 0 20
Scale: 1" = 20'

AS-BUILT INFORMATION	
CONTRACTOR	DATE
INSPECTOR'S	DATE
STAKED BY	DATE
FIELD	DATE
VERIFICATION BY	DATE
CORRECTED BY	DATE
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	

BENCH MARKS

SURVEY INFORMATION

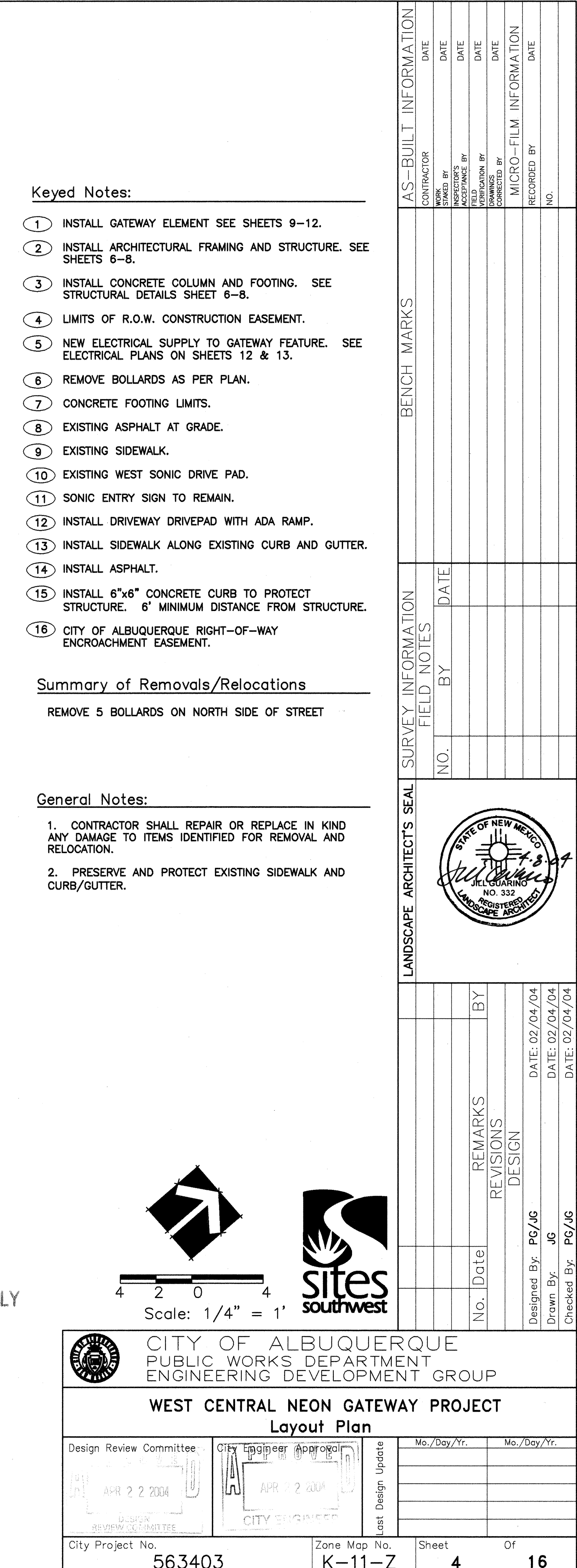
FIELD NOTES	
NO.	DATE
BY	

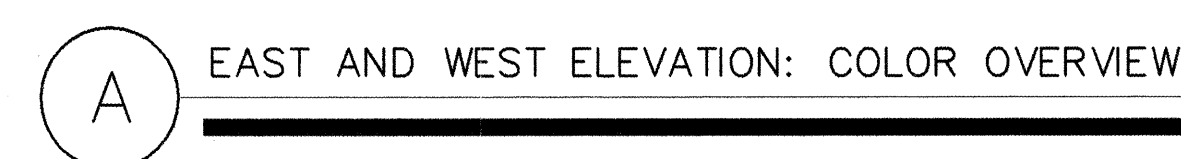
LANDSCAPE ARCHITECT'S SEAL



REVISIONS	
No.	DATE
1	02/04/04
2	02/04/04
3	02/04/04
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100	02/04/04


CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP	
WEST CENTRAL NEON GATEWAY PROJECT Demolition Plan	
Design Review Committee	City Engineer Approval
APR 22 2004	APR 22 2004
DESIGN REVIEW COMMITTEE	CITY ENGINEER
City Project No.	Zone Map No.
563403	K-11-Z
Sheet	Of
3	16



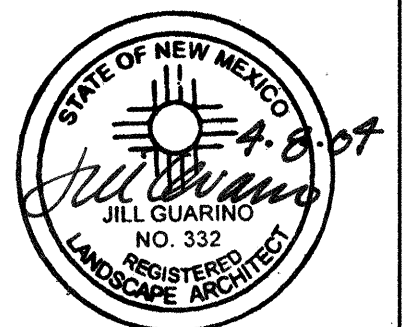


FOR INFORMATION ONLY



	<h1 style="margin: 0;">CITY OF ALBUQUERQUE</h1> <h2 style="margin: 0;">PUBLIC WORKS DEPARTMENT</h2> <h3 style="margin: 0;">ENGINEERING DEVELOPMENT GROUP</h3>				
	<h2 style="margin: 0;">WEST CENTRAL NEON GATEWAY PROJECT</h2> <h3 style="margin: 0;">Design Sketches</h3>				
Design Review Committee <div style="border: 1px solid black; padding: 5px; text-align: center;"> APR 22 2004 DESIGN COMMITTEE </div>	City Engineer Approval <div style="border: 1px solid black; padding: 5px; text-align: center;"> APR 22 2004 CITY ENGINEER </div>	Last Design Update	Mo./Day/Yr. <div style="border: 1px solid black; height: 40px;"></div>	Mo./Day/Yr. <div style="border: 1px solid black; height: 40px;"></div>	
City Project No. <div style="font-size: 24px; font-weight: bold;">563403</div>	Zone Map No. <div style="font-size: 24px; font-weight: bold;">K-11-7</div>	Sheet <div style="font-size: 24px; font-weight: bold;">5</div>	Of <div style="font-size: 24px; font-weight: bold;">16</div>		

8. CONTRATOR SHALL PROVIDE, TO LANDSCAPE ARCHITECT FOR APPROVAL, A COLOR SAMPLE SUBMITTAL FOR SHEET METAL REFLECTOR.



SURVEY INFORMATION		BENCH MARKS	AS-BUILT INFORMATION	
FIELD NOTES				
NO.	BY		CONTRACTOR	DATE
			WORK STARTED BY	DATE
			INSPECTION ACCEPTANCE BY	DATE
			FIELD DRAWINGS BY	DATE
			DESIGN CORRECTED BY	DATE
			MICRO-FILM INFORMATION	
			RECORDED BY	DATE
			NO.	

[illegible]

STRUCTURAL DESIGN CRITERIA

BUILDING CODES AND MANUALS:
UNIFORM BUILDING CODE, 1997 EDITION
ACI 318-02 BUILDING CODE REQUIREMENTS FOR
REINFORCED CONCRETE
ASCI MANUAL OF STEEL CONSTRUCTION, NINTH EDITION
CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR
PUBLIC WORKS CONSTRUCTION, LATEST EDITION.

VERTICAL LOADS - LIVE LOADS:
SNOW 20 PSF

DESIGN SOIL BEARING PRESSURES:
MAXIMUM ALLOWABLE SOIL BEARING PRESS. 2000 PSF
EQUIVALENT FLUID PRESSURE - ACTIVE 32 PSF
EQUIVALENT FLUID PRESSURE - AT REST 60 PSF
EQUIVALENT FLUID PRESSURE - PASSIVE 300 PSF
COEFFICIENT OF FRICTION 0.4

SEISMIC DESIGN FACTORS:
SEISMIC ZONE 2B
IMPORTANCE FACTOR 1.0

WIND DESIGN CRITERIA:
BASIC WIND SPEED 75 MPH
EXPOSURE C

STRUCTURAL MATERIALS

CONCRETE:
ALL CONCRETE SHALL DEVELOP 3000 PSI
COMPRESSIVE STRENGTH WITHIN 28 DAYS, UNLESS
OTHERWISE NOTED. ALL CONCRETE SHALL MEET THE
MINIMUM CEMENT AND FLY ASH QUANTITIES,
MAXIMUM WATER CEMENT RATIO AND OTHER CRITERIA
SPECIFIED. ANY ADMIXTURES SHALL BE SUBMITTED
TO THE PROJECT MANAGER FOR REVIEW. CALCIUM
CHLORIDE SHALL NOT BE USED IN ANY CONCRETE OR
GROUT. USE AIR-ENTRAINED CONCRETE AS CALLED
FOR IN THE SPECIFICATIONS.

EMBEDDED PIPES AND CONDUITS: NO PIPES,
CONDUITS OR ANY OTHER ITEMS USED BY OTHER
TRADES EXCEPT THOSE SHOWN ON THE DRAWINGS
SHALL BE EMBEDDED IN CONCRETE OR PASS
THROUGH CONCRETE MEMBERS WITHOUT PRIOR
APPROVAL OF THE PROJECT MANAGER.

REINFORCING STEEL:
ALL REINFORCING STEEL SHALL CONFORM TO
ASTM A615 GRADE 60, EXCEPT STIRRUPS, TIES,
AND FIELD-BENT BARS, #3 AND SMALLER SHALL
CONFORM TO ASTM A615 GRADE 40.

REINFORCING SHALL BE STORED IN SUCH A
MANNER AS TO INHIBIT RUSTING OR THE
DEPOSIT OF OILS OR OTHER BOND INHIBITING
DEPOSITS.

GRADE 60 DOWELS SHALL NOT BE BENT IN THE
FIELD AFTER PLACING.

REINFORCING STEEL SHALL BE FABRICATED AND
PLACED IN ACCORDANCE WITH THE BUILDING
CODE REQUIREMENTS FOR REINFORCED CONCRETE
(ACI 318) AND THE STANDARD MANUAL (ACI 315).

TENSION LAP SPLICES SHALL BE CLASS B.
COMPRESSION SPLICES SHALL BE 30 BAR
DIAMETERS OR 18" MINIMUM.

STRUCTURAL MATERIALS (CONTINUED)

CONCRETE COVER FOR REINFORCING SHALL BE AS
FOLLOWS:

PLAIN CONCRETE POURED AGAINST
EARTH 3 INCHES

CONCRETE SLABS POURED IN FORMS
BUT EXPOSED TO WEATHER, EARTH
OR WATER:
IF BARS ARE LARGER THAN #5 2 INCHES
IF BARS ARE #4 OR SMALLER 1-1/2 INCHES
COLUMNS, GIRDERS AND BEAMS 2-1/2 INCHES
WALLS 2 INCHES

CONCRETE NOT EXPOSED TO WEATHER,
EARTH OR WATER:
IF BARS ARE LARGER THAN #5 2 INCHES
IF BARS ARE #4 OR SMALLER 1-1/2 INCHES
WALLS 2 INCHES

THE CONTRACTOR SHALL BE RESPONSIBLE THAT
ALL REBAR IS PROPERLY ALIGNED AND TIED IN
PLACE BEFORE PLACING CONCRETE. ALL COLUMNS,
WALL DOWELS, AND VERTICAL STEEL SHALL BE
ACCURATELY LOCATED AND SECURED IN PLACE SO
THAT IT REMAINS IN THE POSITION SHOWN DURING
THE CONCRETE PLACING OPERATION. ANY REBAR
FOUND IMPROPERLY INSTALLED SHALL BE REMOVED
AT NO ADDITIONAL COST TO THE OWNER.

ALL HORIZONTAL REINFORCING IN FOOTINGS, WALLS,
AND BEAMS SHALL BE CONTINUOUS AROUND
CORNERS OR HAVE CORNER BARS OF THE SAME
SIZE AND SPACING AS THE HORIZONTAL BARS AND
LAP A MINIMUM OF 30 BAR DIAMETERS OR 18"
MINIMUM, UNLESS SHOWN OTHERWISE ON THE
PLANS.

FORM TIES SHALL BE EITHER OF THE THREADED OR
SNAP-OFF TYPE SO THAT NO METAL WILL BE LEFT
WITHIN 1 INCH OF THE SURFACE OF THE WALL.
FOLLOWING REMOVAL OF THE FORM TIES, RECESSES
ARE TO BE CAREFULLY FILLED AND POINTED WITH
MORTAR.

STRUCTURAL MATERIALS (CONTINUED)

TACK WELDING OF REINFORCING IS NOT PERMITTED
UNLESS DETAILED OR APPROVED BY THE PROJECT
MANAGER.

WELDED WIRE FABRIC:
ASTM A185 FLAT SHEETS

STRUCTURAL AND MISCELLANEOUS STEEL
SHAPES AND PLATES UNLESS OTHERWISE SPECIFIED:
ASTM A36
Fy = 36,000 PSI

GROUT: NON-SHRINK GROUT BENEATH BASE PLATES
SHALL BE PLACED BY THE DRY-PACK METHOD.

DESIGN, FABRICATION, AND CONSTRUCTION SHALL BE
IN ACCORDANCE WITH THE LATEST AISC AND AWS
SPECIFICATIONS.

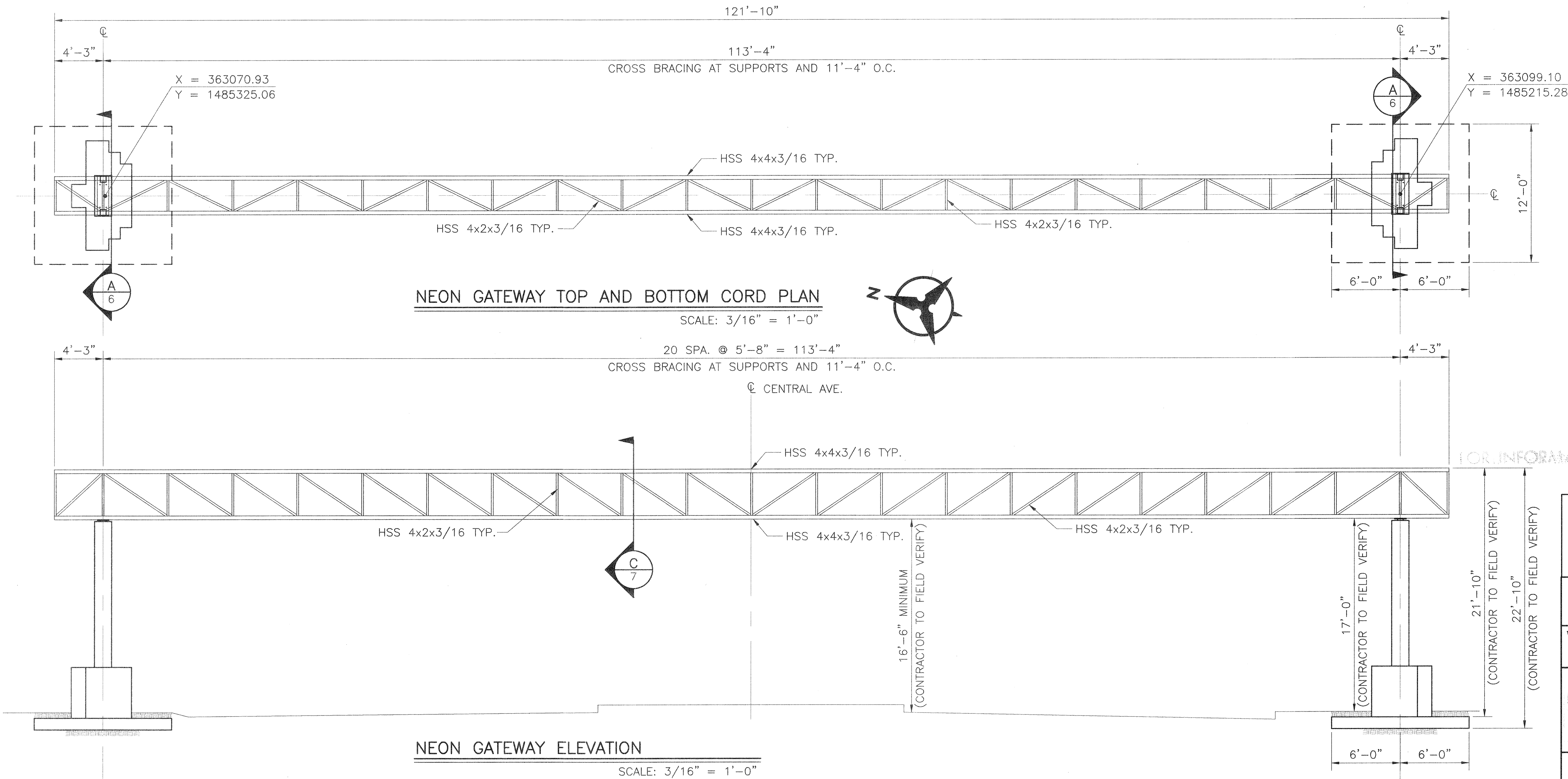
ALL WELDING OR GAS CUTTING SHALL BE IN
ACCORDANCE WITH THE CURRENT STANDARDS OF
THE AMERICAN WELDING SOCIETY. ALL WELDING
SHALL BE PERFORMED BY CERTIFIED WELDERS
QUALIFIED BY THE AMERICAN WELDING SOCIETY,
CODE D1.1, LATEST REVISION.

NEW AND UNSPLICED MATERIAL SHALL BE USED
THROUGHOUT. ALL BOLTED CONNECTIONS TO HAVE
3/4" DIAMETER STAINLESS STEEL BOLTS UNLESS
NOTED OTHERWISE.

GENERAL NOTES - EARTHWORK

ALL EARTHWORK SHALL BE DONE IN ACCORDANCE WITH
THE VINEYARD & ASSOCIATES, INC. GEOTECHINCAL REPORT
NO. 01-1-242 DATED AUGUST 26, 2003.

SUBGRADE DIRECTLY UNDER THE SPREAD FOOTINGS AND
TWO FEET ON ALL SIDES SHALL BE EXCAVATED FOUR FEET
BELOW BOTTOM OF FOOTING, MOISTENED TO OPTIMUM
MOISTURE, AND PLACED IN 8 INCH LOOSE LIFTS AND
COMPACTED TO 95% MODIFIED PROCTOR DENSITY.



FOR INFORMATION ONLY

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Bohannon & Huston

Courtyard I 7500 Jefferson St. NE Albuquerque, NM 87109-4335

ENGINEERING • SPATIAL DATA • ADVANCED TECHNOLOGIES

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

Design Review Committee

City Engineer Approval

APR 22 2004

APR 22 2004

DESIGN REVIEW COMMITTEE

CITY ENGINEER

City Project No.

563402

Zone Map No.

J-11-Z

Sheet

6

Of

16

Designated By: P.J.L.

Drawn By: M.A.G.

Checked By: C.E.L.




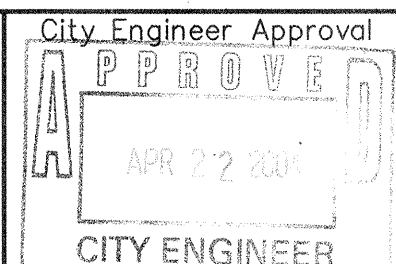
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DATE: 04-01-04

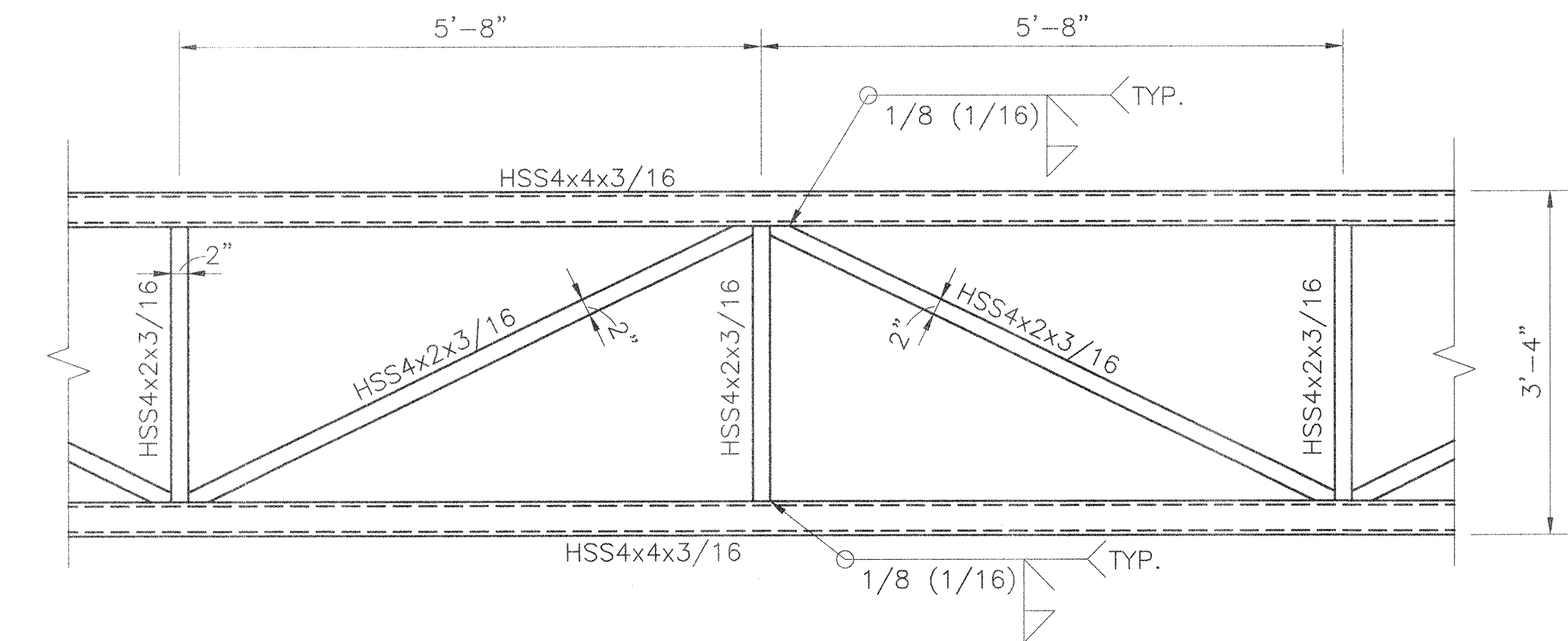
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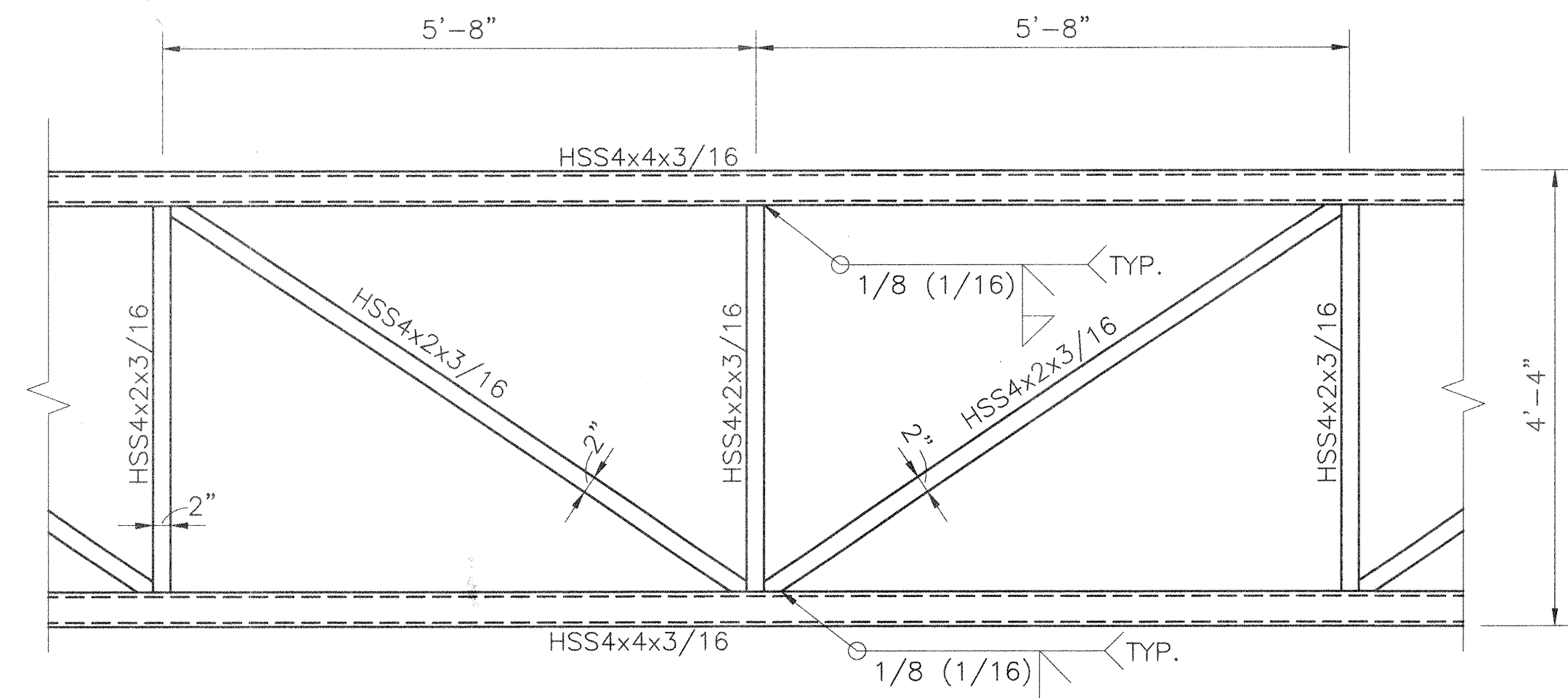
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 <p>Courtyard I 7500 Jefferson St NE Albuquerque, NM 87109-4335</p> <p>ENGINEERING ▴ SPATIAL DATA ▴ ADVANCED TECHNOLOGIES</p>									P.	Designed By:	
									M.		Drawn By:
									G.		
	No.								Date		
<div style="text-align: center;">  <h2 style="margin: 0;">CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT</h2> </div>											
<p align="center">WEST CENTRAL NEON GATEWAY PROJECT PHASE 2</p> <p align="center">PIER, BASE AND FOOTING SECTIONS</p>											
Design Review Committee	City Engineer Approval		Last Design Update	Mo./Dsy/Yr.	Mo./Day/Yr.						
											
City Project No.	Zone Map No.		Sheet	Of							
563402	J-11-Z		7	16							

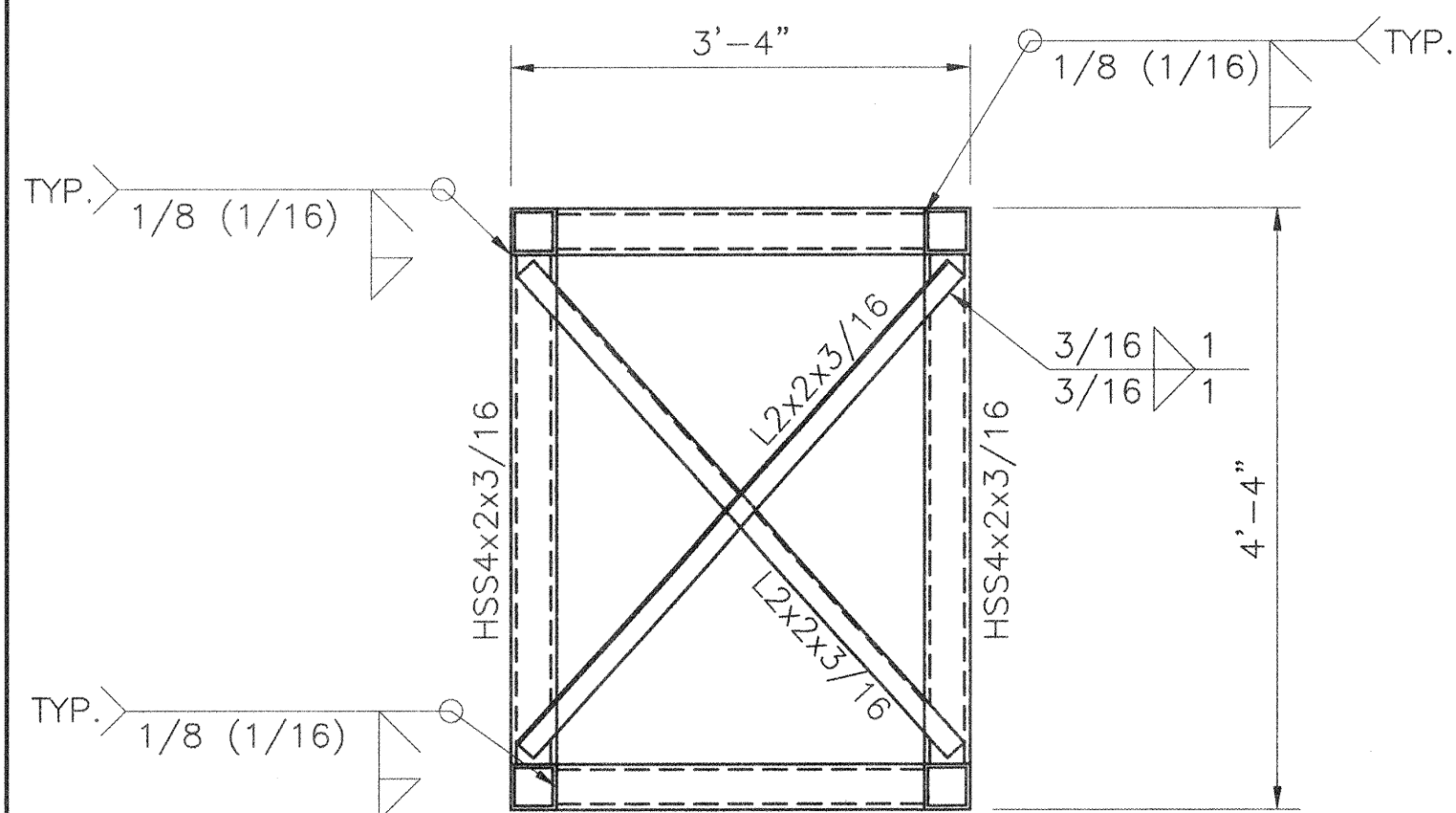
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						FIELD NOTES							
						NO.	BY	DATE					
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									GEOGRAPHIC POSITION (NAD 1927)			INSPECTOR'S DATE	
									NM STATE PLANE COORDINATES (CENTRAL ZONE)			FIELD DATE BY	
									X = 362,341.63 Y = 1,484,885.30			INSPECTION BY	
									GROUND TO GRID FACTOR = 0.99967811			CORRECTED BY	
									DELTA ALPHA = -0° 15' 52"			MICRO-FILM INFORMATION	
									NGVD 1929 ELEVATION = 5093.733			RECORDED BY	
												NO.	
Designed By: P.J.L.		DATE: 04-01-04											
Drawn By: M.A.G.		DATE: 04-01-04											
Checked By:		DATE: 04-01-04											
REVISIONS													
DESIGN													



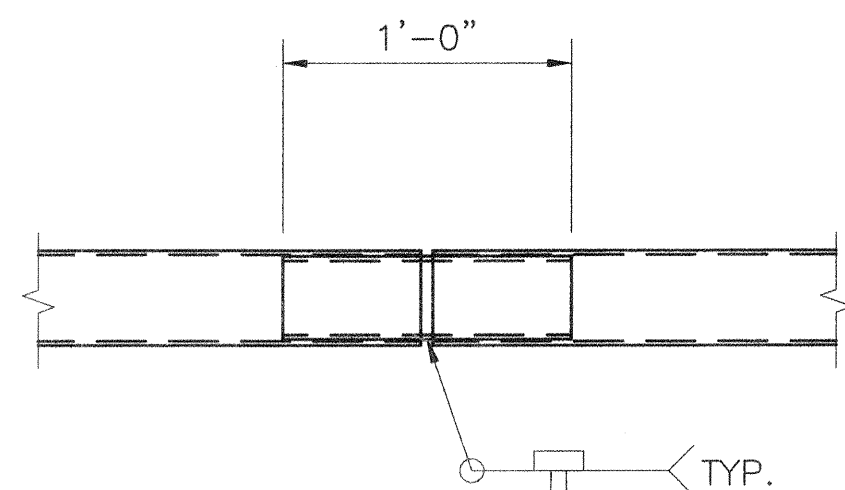
A
5 TYPICAL TOP AND BOTTOM CHORD PLAN
SCALE: 3/4" = 1'-0"



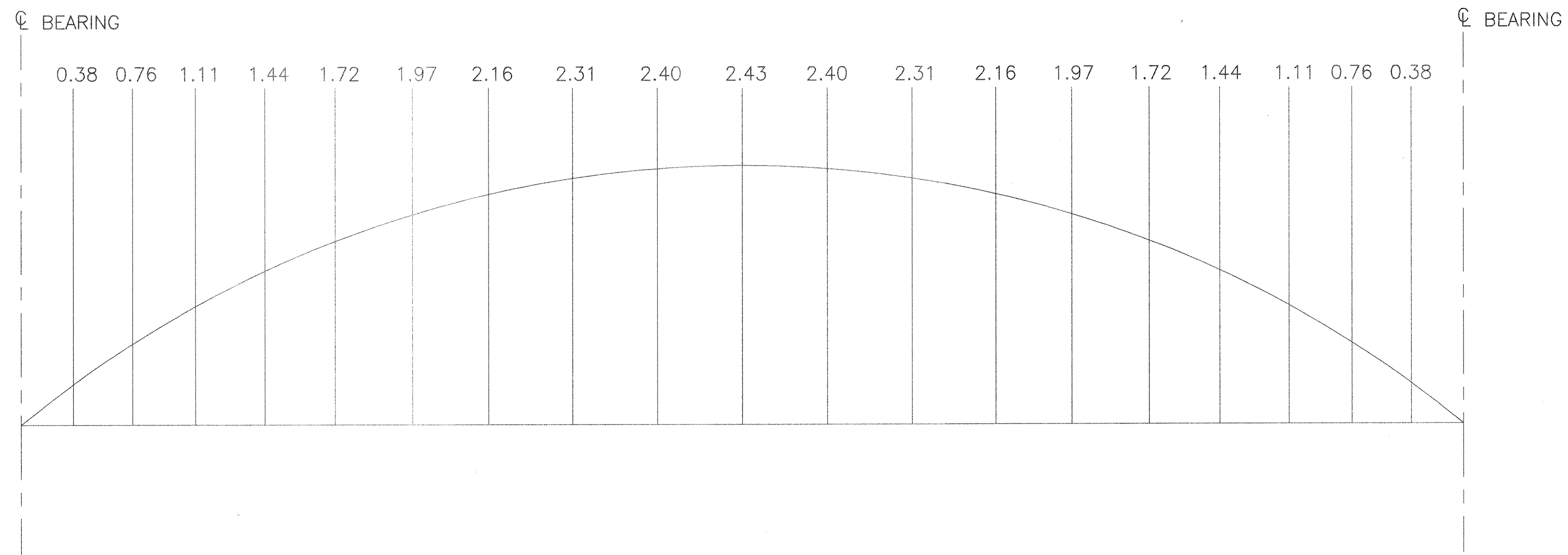
B
5 TYPICAL BOX TRUSS ELEVATION
SCALE: 3/4" = 1'-0"



C
5 TYPICAL TRUSS CROSS BRACING AT ENDS AND @ 11'-4" O.C.
SCALE: 3/4" = 1'-0"



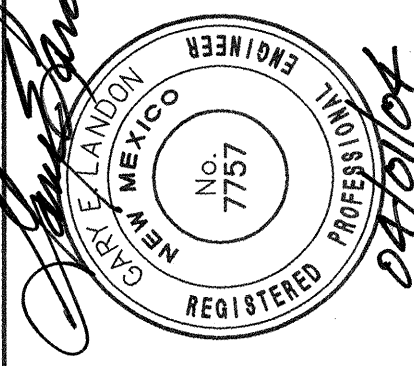
TYPICAL CHORD SHOP SPLICE DETAIL
SCALE: 1 1/2" = 1'-0"

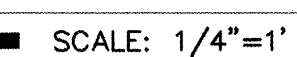
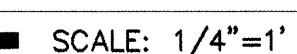


TRUSS CAMBER DIAGRAM
CAMBER VALUES AT PANEL POINTS ARE IN INCHES
SCALE: 1/8" = 1'-0"
VERT. EXAGGERATION = 100


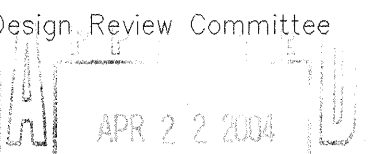
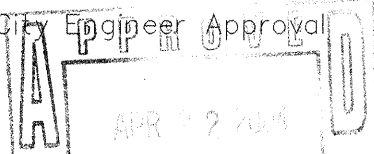
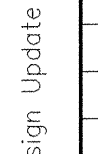
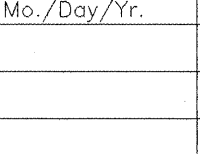
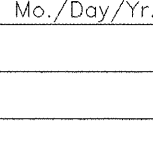
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Bohannon & Huston Courtyard 7500 Jefferson St. NE Albuquerque, NM 87109-4335 ENGINEERING • SPATIAL DATA • ADVANCED TECHNOLOGIES		CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT WEST CENTRAL NEON GATEWAY PROJECT PHASE 2 FRAME SECTIONS AND DETAILS	
Design Review Committee APPROVED APR 22 2004 DESIGN REVIEW COMMITTEE	City Engineer Approval APPROVED APR 22 2004 CITY ENGINEER	Mo./Day/Yr. _____ _____ _____	Mo./Day/Yr. _____ _____ _____
City Project No. 563402	Zone Map No. J-11-Z	Sheet 8	Of 16

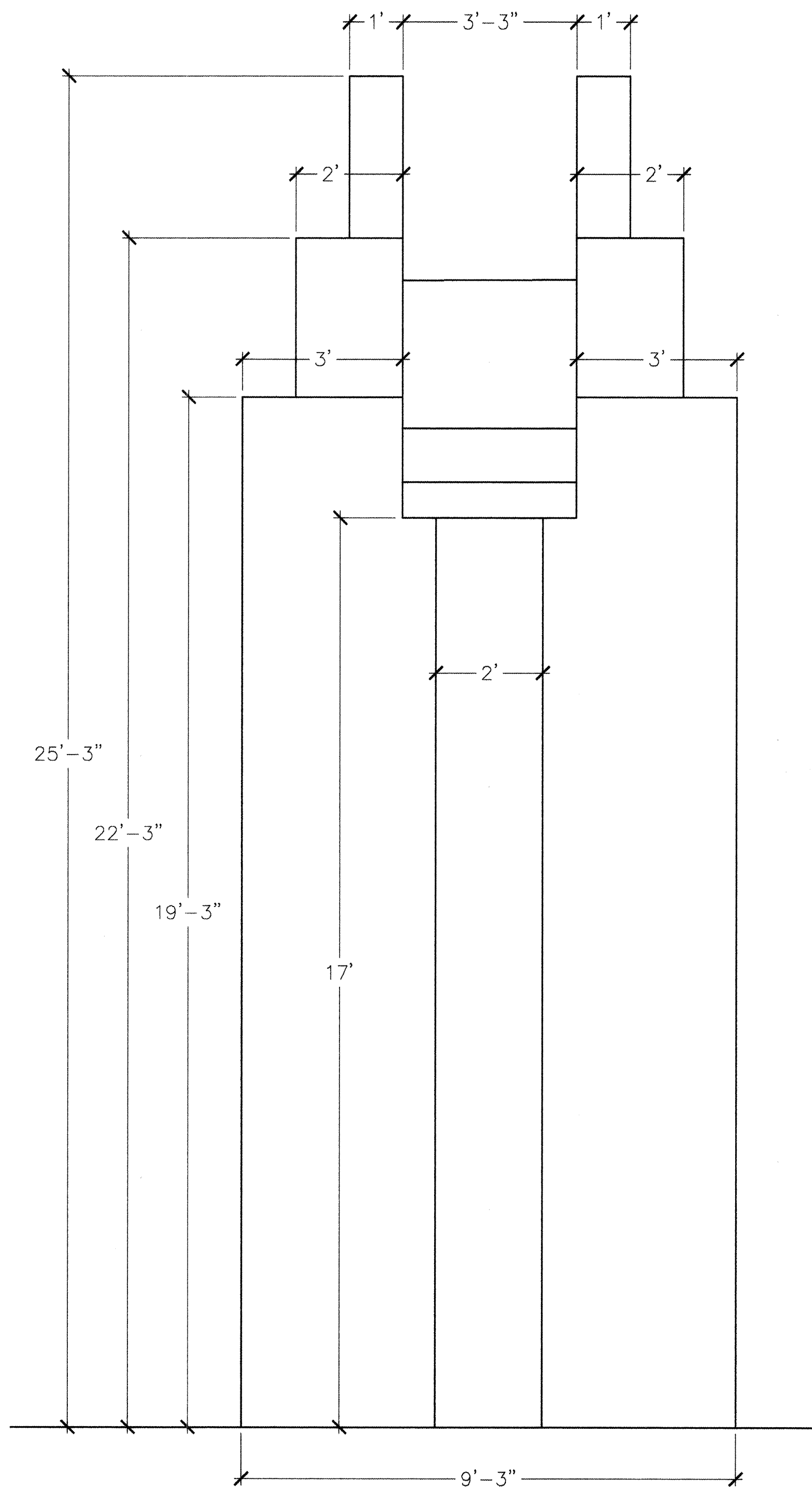
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WORKED BY	DATE	ACS ALUMINUM CAP STAMPED "5-K10, 1989"	DATE	BY	DATE		DATE
SUPERVISOR'S ACCEPTANCE BY	DATE	GEOGRAPHIC POSITION (NAD 1927)	DATE				DATE
VERIFICATION BY	DATE	NM STATE PLANE COORDINATES (CENTRAL ZONE)	DATE				DATE
DRANING BY	DATE	X = 362,341.63 Y = 1,484,685.30	DATE				DATE
MICRO-FILM INFORMATION		GROUND TO GRID FACTOR = 0.99967811					
RECORDED BY	DATE	DELTA ALPHA = -0°15' 52"					
NO.		NGVD 1929 ELEVATION = 5093.733					



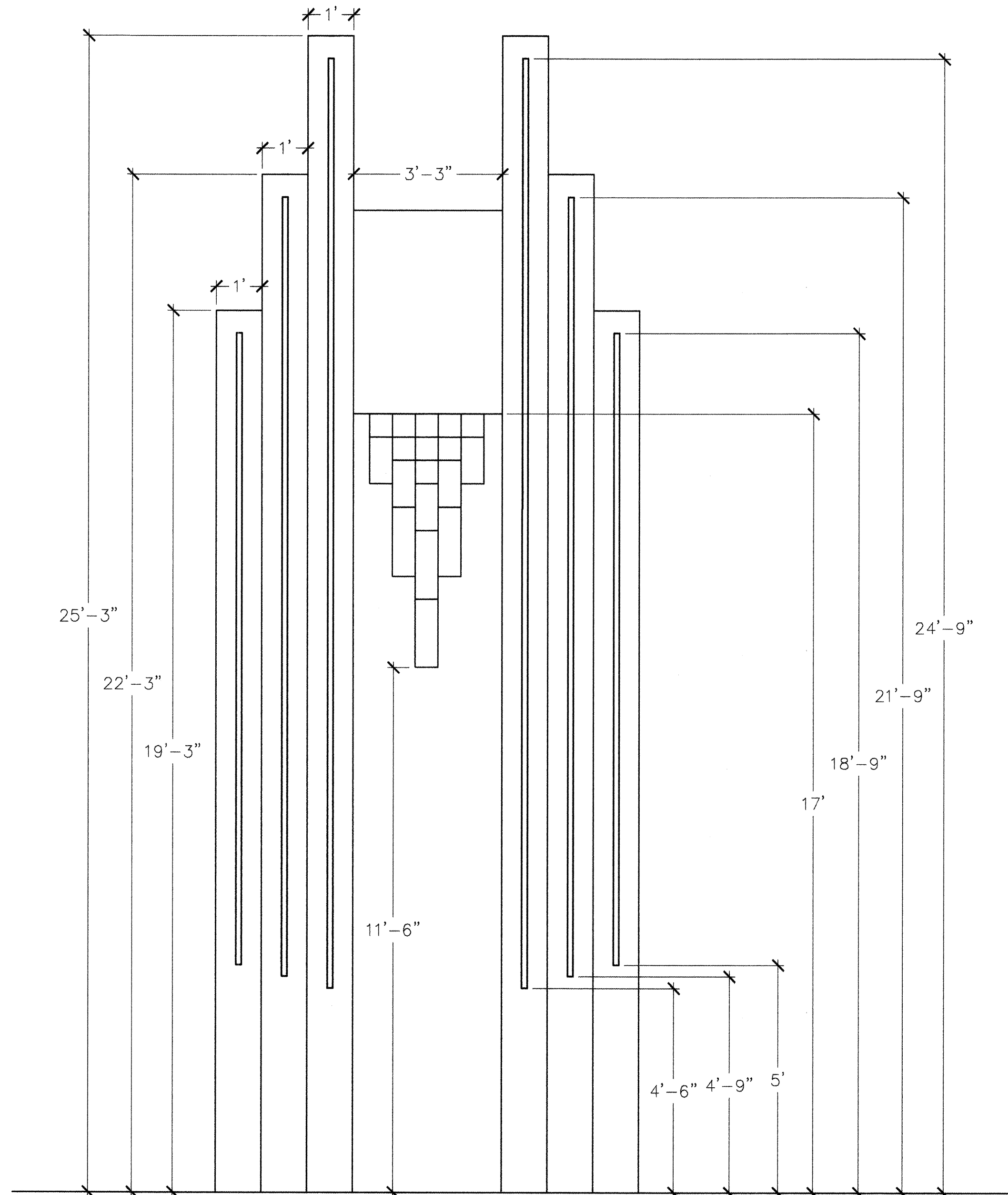
1. ALL DIMENSIONS TO INCLUDE EFIS STUCCO SYSTEM.

	CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
	WEST CENTRAL NEON GATEWAY PROJECT Ellevation and Plan Dimensions			
Design Review Committee 	City Engineer Approval 	Last Design Update 	Mo./Day/Yr. 	Mo./Day/Yr. 
City Project No. 563403	Zone Map No. K-11-7	Sheet 9	Of 16	

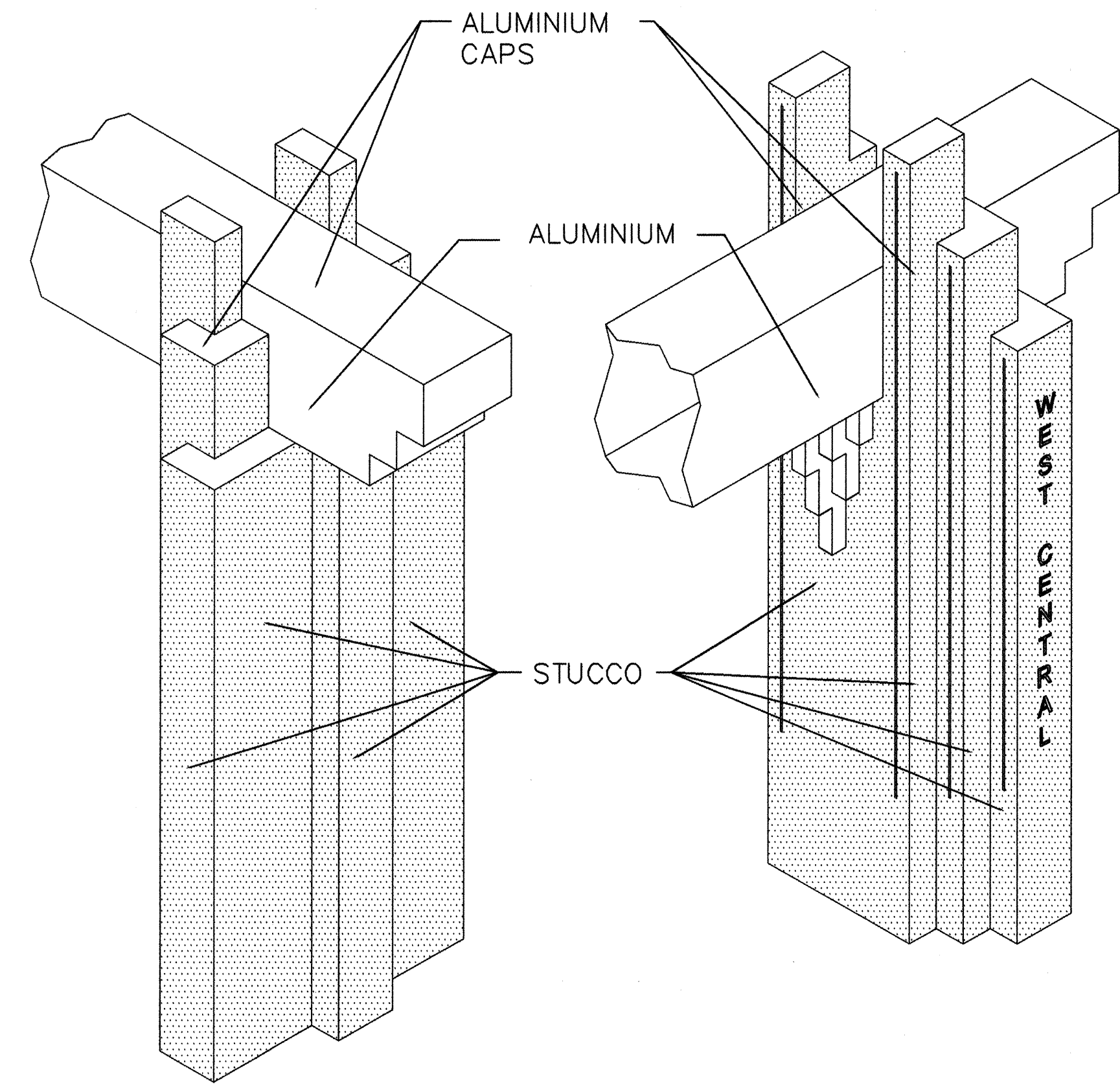




A LOT SIDE DIMENSIONED ELEVATION
SCALE: 1/2"=1'



B STREET SIDE DIMENSIONED ELEVATION
SCALE: 1/2"=1'



C ISOMETRIC VIEWS
NOT TO SCALE

NOTES:

1. "WEST CENTRAL" TEXT FACES WEST ON EASTBOUND SIDE AND EAST ON WESTBOUND SIDE.
2. BRUSHED ALUMINIUM 1" THICK LETTERS SURFACE MOUNTED FLUSH WITH FACE. MATERIAL SHALL BE PROVIDED TO LANDSCAPE ARCHITECT FOR APPROVAL.
3. CONTACT LANDSCAPE ARCHITECT FOR LETTERING TEMPLATE.
4. CONTRACTOR SHALL PROVIDE SHOP DRAWING FOR MOUNTING.
5. ALL DIMENSIONS ARE FINISHED DIMENSIONS.

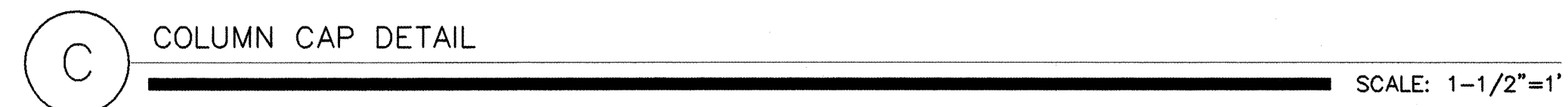
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AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		LANDSCAPE ARCHITECT'S SEAL	
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INSPECTOR'S	DATE						
FIELD	DATE						
VERIFICATION BY	DATE						
CORRECTED BY	DATE						
MICRO-FILM INFORMATION							
RECORDED BY	DATE						
NO.							



CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
WEST CENTRAL NEON GATEWAY PROJECT Vertical Structure Elevations and Details			
Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED APR 22 2004 DESIGN COMMITTEE	APPROVED APR 22 2004 CITY ENGINEER		
City Project No.	Zone Map No.	Sheet	Of
563403	K-11-Z	10	16








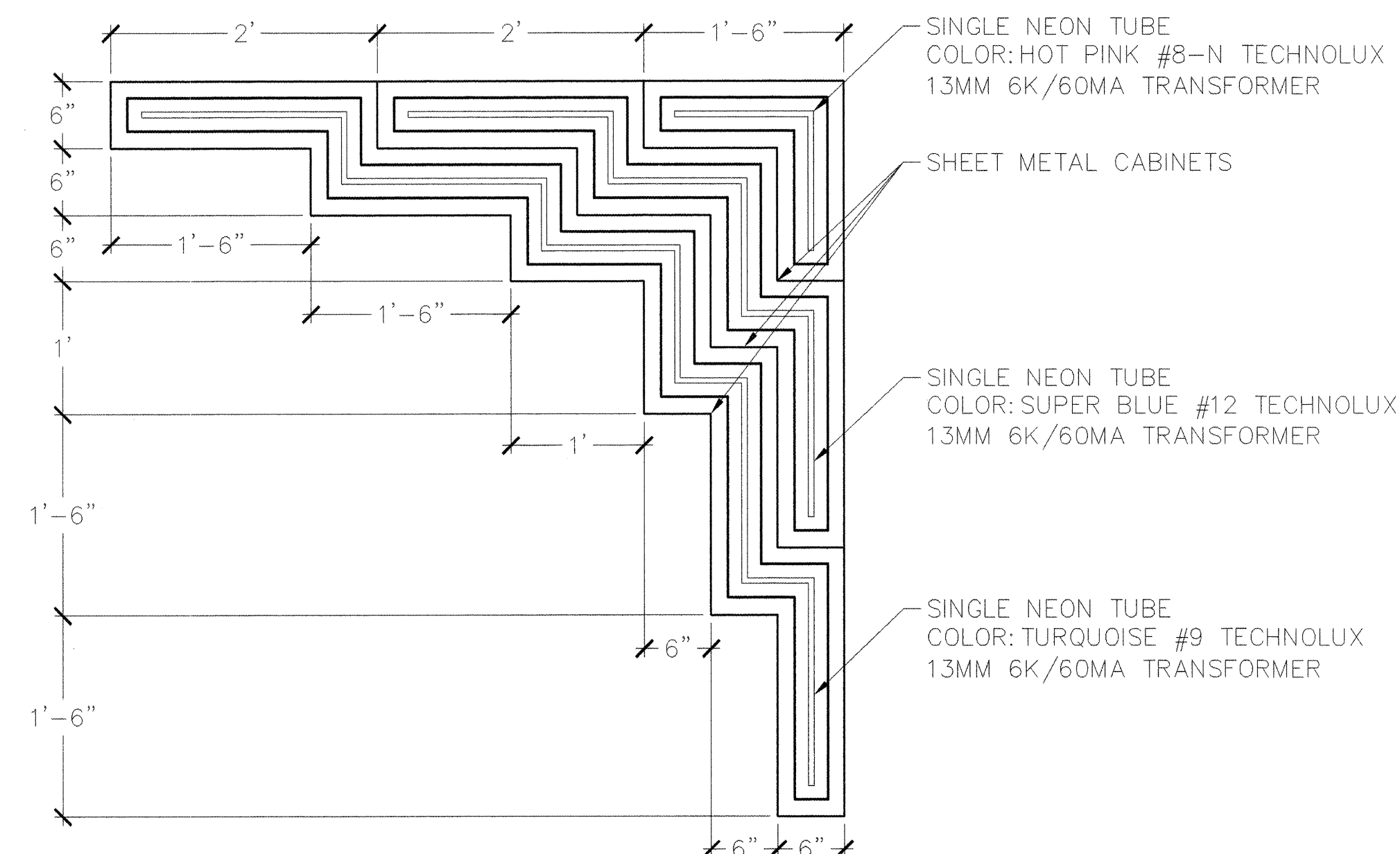
NOTES:

1. ALL TRANSFORMERS SHALL BE 60MA FOR MAXIMUM BRIGHTNESS.
2. TRANSFORMERS SHALL BE OF A HIGH POWERED FACTOR TYPE.
3. EACH NEON TUBE ELECTRODE SHALL BE INSULATED WITH A #200 GLASS HOUSING.
4. ACRYLIC BLOCK SHALL BE LOCATED CENTERED WITHIN COLUMNS.
5. TRANSFORMERS TO BE LOCATED FOR EASY ACCESS FOR SERVICING.
6. CONTRACTOR SHALL PROVIDE SHOP DRAWING FOR LANDSCAPE ARCHITECT'S REVIEW PRIOR TO INSTALLATION.

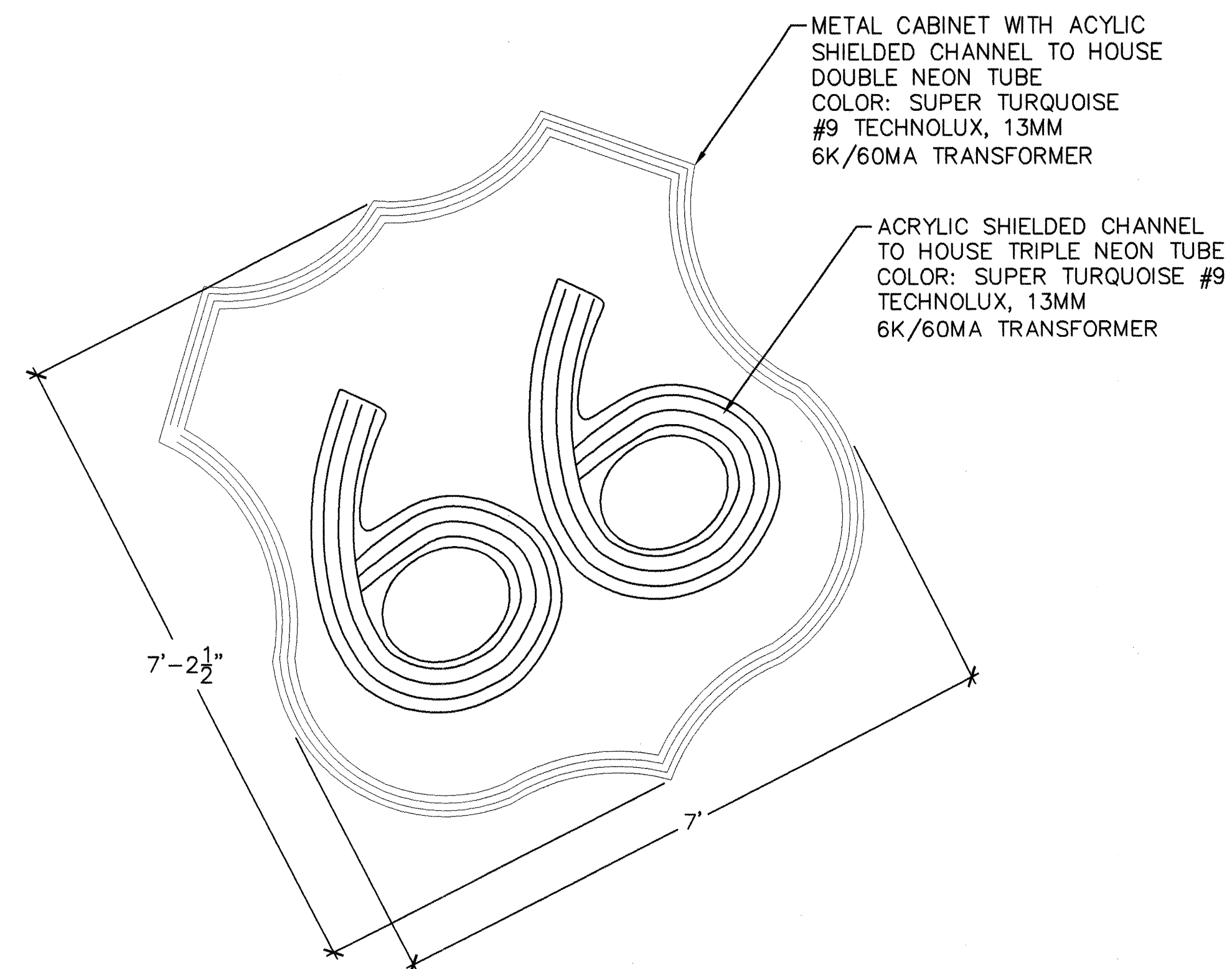
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	<h2 style="margin: 0;">PUBLIC WORKS DEPARTMENT</h2> <h3 style="margin: 0;">ENGINEERING DEVELOPMENT GROUP</h3>

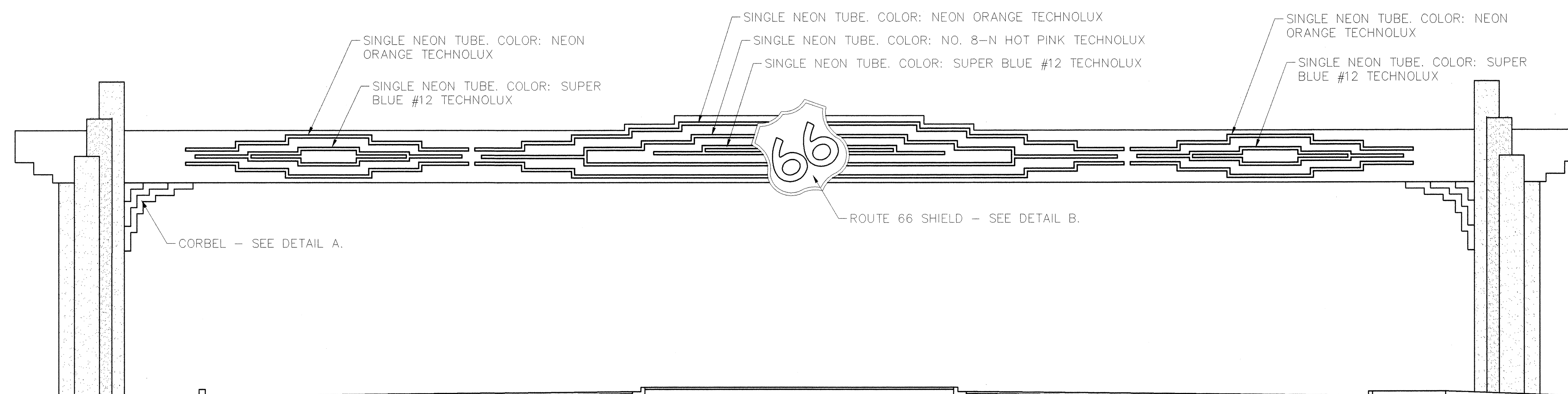
<h2 style="margin: 0;">WEST CENTRAL NEON GATEWAY PROJECT</h2> <h3 style="margin: 0;">Construction Elevations and Details</h3>															
Design Review Committee <div style="border: 1px solid black; padding: 5px; text-align: center;">  APR 22 2004 DESIGN REVIEW COMMITTEE </div>	City Engineer Approval <div style="border: 1px solid black; padding: 5px; text-align: center;">  APR 22 2004 CITY ENGINEER </div>	Last Design Update	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">Mo./Day/Yr.</th> <th style="width: 50%;">Mo./Day/Yr.</th> </tr> </thead> <tbody> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table>	Mo./Day/Yr.	Mo./Day/Yr.										
Mo./Day/Yr.	Mo./Day/Yr.														
City Project No. <div style="font-size: 24pt; font-weight: bold;">563403</div>	Zone Map No. <div style="font-size: 24pt; font-weight: bold;">K-11-Z</div>	Sheet <div style="font-size: 24pt; font-weight: bold;">11</div>	Of <div style="font-size: 24pt; font-weight: bold;">16</div>												



A CORBEL DETAIL



B ROUTE 66 SHIELD DETAIL





C GATEWAY NEON CHANNEL DETAIL

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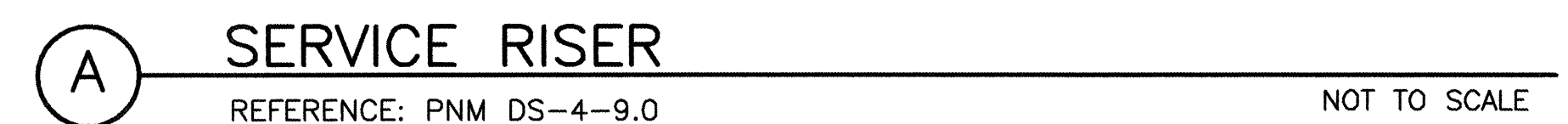
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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

WEST CENTRAL NEON GATEWAY PROJECT
Construction Details

				Mo./Day/Yr. Mo./Day/Yr. 	
City Project No. 563403		Zone Map No. K-11-Z		Sheet 12 Of 16	



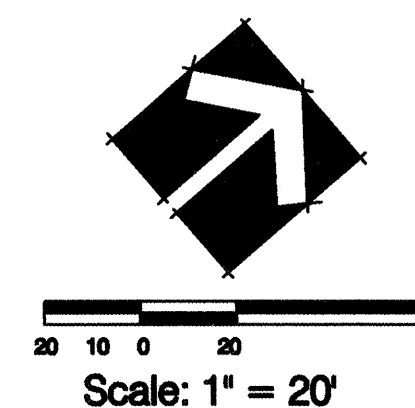


- EXISTING OVERHEAD ELECTRICAL, CABLE AND QUEST
 EXISTING OVERHEAD POWER FOR STREET LIGHTING
 EXISTING OVERHEAD SERVICE CONNECTION
 EXISTING POWER POLE
 EXISTING STREET LIGHT
 EXISTING VEGETATION

1. CONTRACTOR TO COORDINATE NEW 120/240 VAC,
1-PHASE ELECTRIC SERVICE AND ALL PNM SYSTEM
MODIFICATIONS. CONTRACTOR TO PAY ALL SCHEDULED PNM
MODIFICATIONS.

2. CONTRACTOR TO SIZE AND INSTALL ALL WIRE AS PER NATIONAL ELECTRICAL CODE REQUIREMENTS.
3. CONTRACTOR SHALL PROVIDE SEPARATE 115V SINGLE POLE 20A DISCONNECT SWITCH IN WEATHER PROOF ENCLOSURE AT EACH LIGHT ASSEMBLY.
4. STREET LIGHTING WILL BE DEAD ENDED AT NOTED LOCATIONS AND ANCHORED TO GROUND WITH A GUY AT A 45 DEGREE ANGLE. APPROXIMATE LOCATION IS NOTED ON PLANS.
5. ALL CONDUCTORS IN RACEWAYS MOUNTED IN TRUSS TO BE DERATED FOR 140° F AMBIENT CONDITION.
6. ALL CONDUCTORS ATTACHED DIRECTLY TO LIGHTING ASSEMBLIES TO BE 90° C RATED.

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Scale: 1" = 20'

563403

K-11-Z

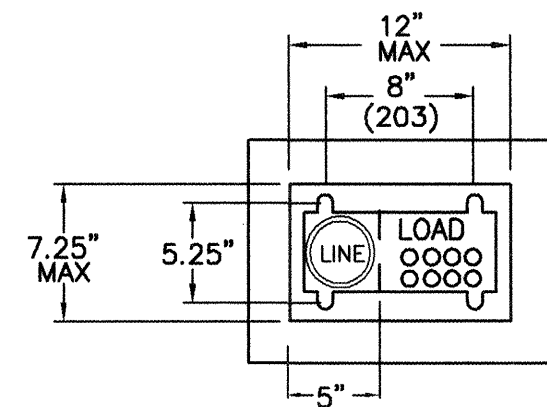
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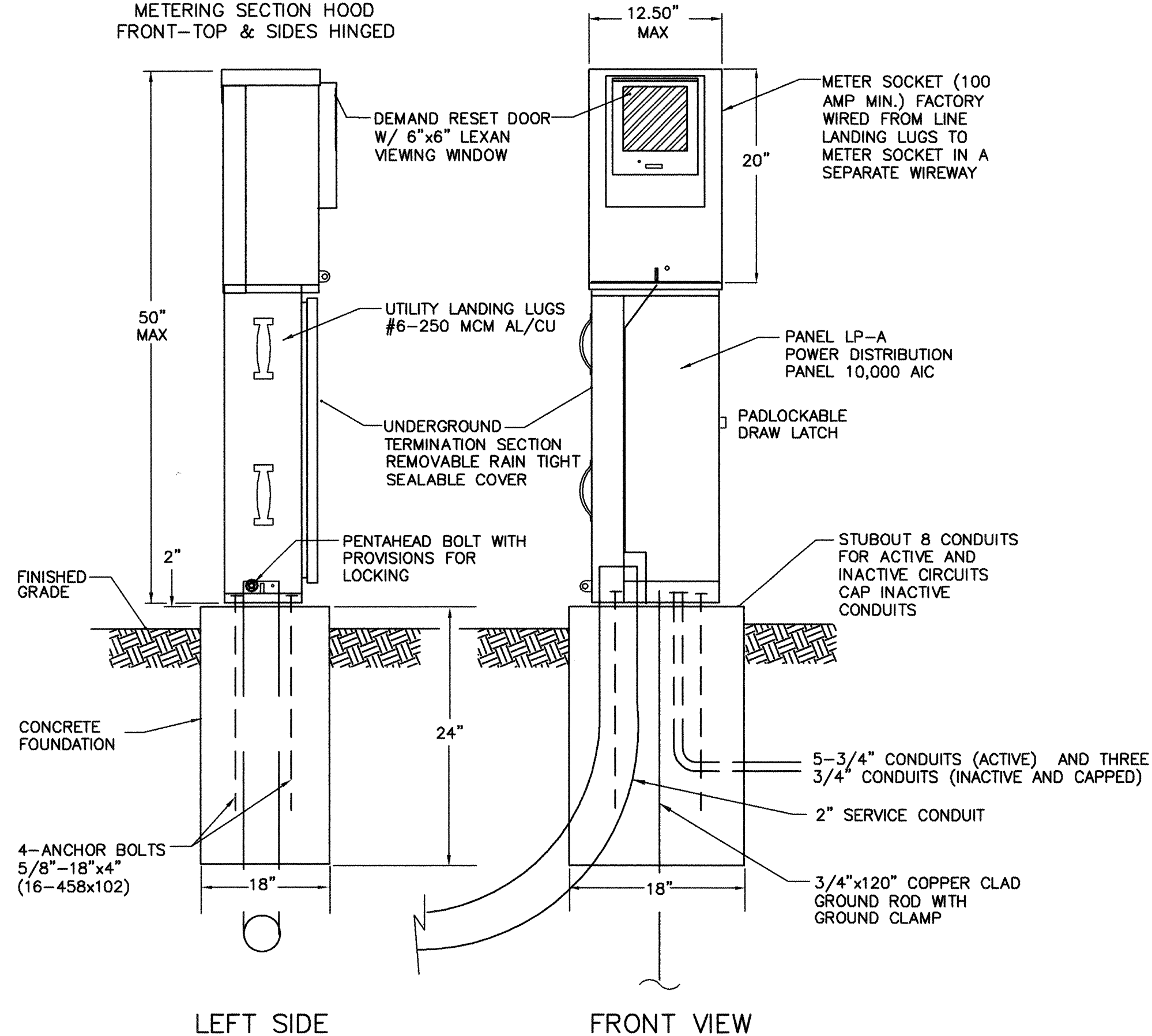
Scale 1' = 20'

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

☒ WHITE ☐ RANCH GREEN
☐ MINT GREEN ☐ OTHER
☐ CAMEL



METERING SECTION HOOD
FRONT-TOP & SIDES HINGED



NOT TO SCALE

LOCAL UTILITY SERVICE
120/240
1 PHASE
3 WIRE

LANDING LUGS

METER SOCKET LEVER OPERATED CIRCUIT BYPASS

100/2

SERVICE DISCONNECT

A B

SOLID NEUTRAL

GND

PHOTOCELL

H

N

A

TEST

CONTACTOR C1

20

20

20

20

20

20

20

20

20

20

TO NORTH FIBER QUADPLEXES

TO SOUTH FIBER QUADPLEXES

TO NORTHWEST NEON DISCONNECT

TO NORTHEAST NEON DISCONNECT

TO CENTER WEST NEON DISCONNECT

TO CENTER EAST NEON DISCONNECT

TO SOUTHWEST NEON DISCONNECT

TO SOUTHEAST NEON DISCONNECT

TO NORTH AND SOUTH SERVICE DUPLEX

Panel LPA - Lighting Panel				Location: SERVICE ENTRANCE AT METER PEDESTAL					
Ratings: 120/240 VAC, 1 phase, 3 Wire, 100A MCB, Copper Neutral and Ground Busses, C/B 10,000 AIC RATED									
CCT No.	DESCRIPTION	BKR SIZE	VA	Phase A	Phase B	VA	BKR SIZE	DESCRIPTION	CCT No.
1	Fiber Illuminator Quadplexes North	20A/1P	1440	3240		1800	20A/1P	Northwest Neon Disconnect	2
3	Fiber Illuminator Quadplexes South	20A/1P	1440		3240	1800	20A/1P	Northeast Neon Disconnect	4
5	Center West Neon Disconnect	20A/1P	1800	3600		1800	20A/1P	Center East Neon Disconnect	6
7	Southwest Neon Disconnect	20A/1P	1800		3600	1800	20A/1P	Southeast Neon Disconnect	8
9	Service Receptacles	20A/1P	360	560		200	15A/1P	PC/LIGHTING CONTACTOR	10
11	Spare	20A/1P	0		0	0	20A/1P	Spare	12
13	Spare	20A/1P	0	0		0	20A/1P	Spare	14
15	Space	-	0		0	0	-	Space	16
17	Space	-	0	0		0	-	Space	18
Total Connected Load				7400	6840	Estimated Demand			
Continuous Lighting Adder				1850	1710	125%			
Phase Demand Load				9250	8550	100%			
Total Service Demand Load						17800			
Service Voltage						240			
Service Amps						74			

Source - Cooper/Bussman - Simple Approach to Short Circuit Calculations, Bulletin EDP-1																							
Point to Point Short Circuit Calculations																							
Project ID : CENTRAL AVENUE NEON		Date :	04/06/04																				
120/240V, 100A, SERVICE ENTRANCE (Assumes infinite primary fault current available)		Single Phase System																					
Power Co. Transformer (T1) = <table border="1" style="width: 100%;"> <tr> <td>Transformer KVA >></td> <td>25</td> </tr> <tr> <td>Transformer Impedance (%Z) >></td> <td>1.80</td> </tr> <tr> <td>Voltage (line to line) >></td> <td>240</td> </tr> <tr> <td>Voltage (line to Neutral) >></td> <td>120</td> </tr> <tr> <td>Transformer full load amps =</td> <td>104</td> </tr> <tr> <td>Available Fault current from system =</td> <td>5,787</td> </tr> <tr> <td>Motor contribution >></td> <td></td> </tr> <tr> <td colspan="2">If available fault current is known, Enter Here >></td> </tr> <tr> <td>Available Fault amps at transformer secondary lugs L-L =</td> <td>5,787</td> </tr> <tr> <td>Available Fault amps at transformer secondary lugs L-N =</td> <td>8,681</td> </tr> </table>				Transformer KVA >>	25	Transformer Impedance (%Z) >>	1.80	Voltage (line to line) >>	240	Voltage (line to Neutral) >>	120	Transformer full load amps =	104	Available Fault current from system =	5,787	Motor contribution >>		If available fault current is known, Enter Here >>		Available Fault amps at transformer secondary lugs L-L =	5,787	Available Fault amps at transformer secondary lugs L-N =	8,681
Transformer KVA >>	25																						
Transformer Impedance (%Z) >>	1.80																						
Voltage (line to line) >>	240																						
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If available fault current is known, Enter Here >>																							
Available Fault amps at transformer secondary lugs L-L =	5,787																						
Available Fault amps at transformer secondary lugs L-N =	8,681																						
		<< (Motor full load current X 4)																					
Fault Point 1		Main Disconnect																					
		Point 1 >>																					
		Description >>																					
Distance from Point No. 1 >>		20																					
Conductor size >>		2																					
No. of conductors per phase >>		1																					
(C)u.o.r (A)l.wire + (M)agnetic or (N)on-magnetic conduit >>		CN	Copper Conductors, Non-Magnetic Conduit																				
Available Fault amps at Point No. 1 (L-L) =		4,991																					
Available Fault amps at Point No. 1 (L-N) =		5,870	MINIMUM GEAR RATING																				


1. METER PEDESTAL SHALL BE UL LISTED "INDUSTRIAL CONTROL PANEL" PER UL 508.
2. METER PEDESTAL SHALL MEET THE ELECTRIC UTILITY SERVICE EQUIPMENT REQUIREMENTS COMMITTEE (EUSERC) GUIDELINES.
3. CONSTRUCTION SHALL BE NEMA 3R AND 12, RAIN TIGHT AND TIGHTLY ELECTRICALLY WELDED AND REINFORCED WHERE REQUIRED.
4. ALL NUTS, BOLTS, SCREWS AND HINGES SHALL BE STAINLESS STEEL.
5. NUTS, BOLTS, AND SCREWS SHALL NOT BE VISIBLE FROM OUTSIDE OF METER PEDESTAL.
6. PHENOLIC NAME PLATES SHALL BE PROVIDED AS REQUIRED.
7. CIRCUIT BREAKERS SHALL BE CABLE IN-CABLE OUT WITH LINE ON TOP & LOAD ON THE BOTTOM. HANDLE POSITION UP="ON", MIDDLE="TRIPPED", DOWN="OFF".
8. A PLASTIC COVERED WIRING DIAGRAM SHALL BE ATTACHED TO THE INSIDE OF THE FRONT DOOR.
9. METER PEDESTAL SHALL BE FACTORY WIRED AND CONFORM TO REQUIRED NEMA STANDARDS.
10. ALL POWDER COATED METER PEDESTAL 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.

11. CONCRETE FOUNDATIONS INCLUDING EXCAVATION AND BACKFILL CONCRETE, AND ANCHOR BOLTS, COMPLETE-IN PLACE, WILL BE CONSIDERED INCIDENTAL TO THE METER PEDESTAL.
12. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR APPROVAL PRIOR TO MANUFACTURE.

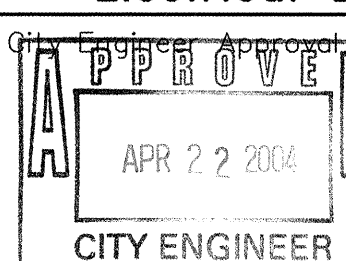
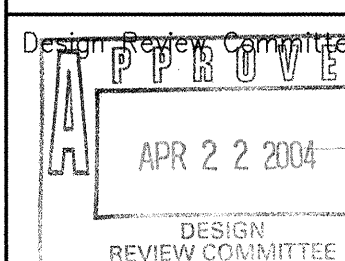
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 **CITY OF ALBUQUERQUE**
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

WEST CENTRAL NEON GATEWAY PROJECT

Electrical Details



City Project No.	Zone Map No.	Sheet	Of
563403	K-11-Z	14	16

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 TRAVELED 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:
- STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
 - THE CITY OF ALBUQUERQUE TRAFFIC CODE, LATEST EDITION.
 - 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 IT'S 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.

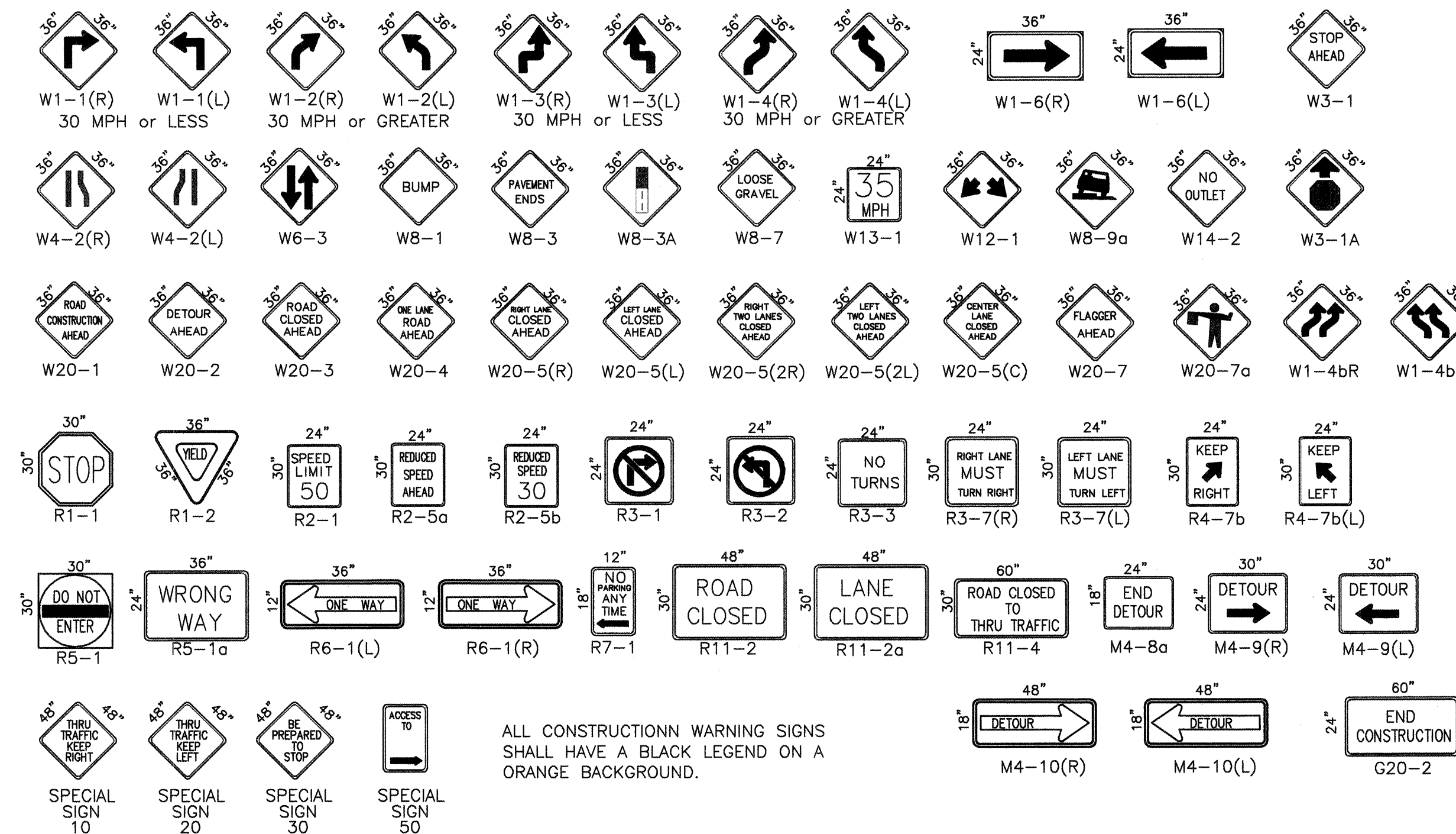
SPECIAL TRAFFIC CONTROL NOTES

THE CONTRACTOR IS ALLOWED ONLY SINGLE LANE CLOSURES ON CITY ARTERIAL OR COLLECTOR ROADWAYS, INCLUDING CENTRAL AVE. ONLY BETWEEN 9:00 AM AND 3:00 PM, MONDAY THROUGH FRIDAY, AND ALL DAY ON SATURDAYS AND SUNDAYS, UNLESS A HAZARDOUS EXCAVATION EXISTS. SUCH LANE CLOSURES ARE LIMITED TO A MAXIMUM OF 600 FEET AT A TIME, AND CAN ONLY BE PLACED WHEN THE CONTRACTOR ABSOLUTELY NEEDS THE LANE CLOSURE FOR CONSTRUCTION ACTIVITIES OR TO MAINTAIN A SAFE WORKING SPACE. LANE CLOSURES WILL NOT BE ALLOWED FOR PARKING AND/OR STORAGE OF THE CONTRACTOR'S EQUIPMENT OR MATERIALS. WHEN A LANE OF TRAFFIC MUST BE LEFT CLOSED OVERNIGHT DUE TO AN OPEN EXCAVATION, THE CONTRACTOR MUST WORK CONTINUOUSLY WITH A MINIMUM OF FIVE FULL-TIME WORKERS FROM 7:00 AM TO 10:00 PM, UNTIL ALL LANES ARE OPENED TO TRAFFIC. A MAXIMUM OF TEN DAYS OF OVERNIGHT LANE CLOSURES ON CENTRAL AVE. IS ALLOWED FOR CURB AND GUTTER INSTALLATION, AND ALL OTHER WORK.

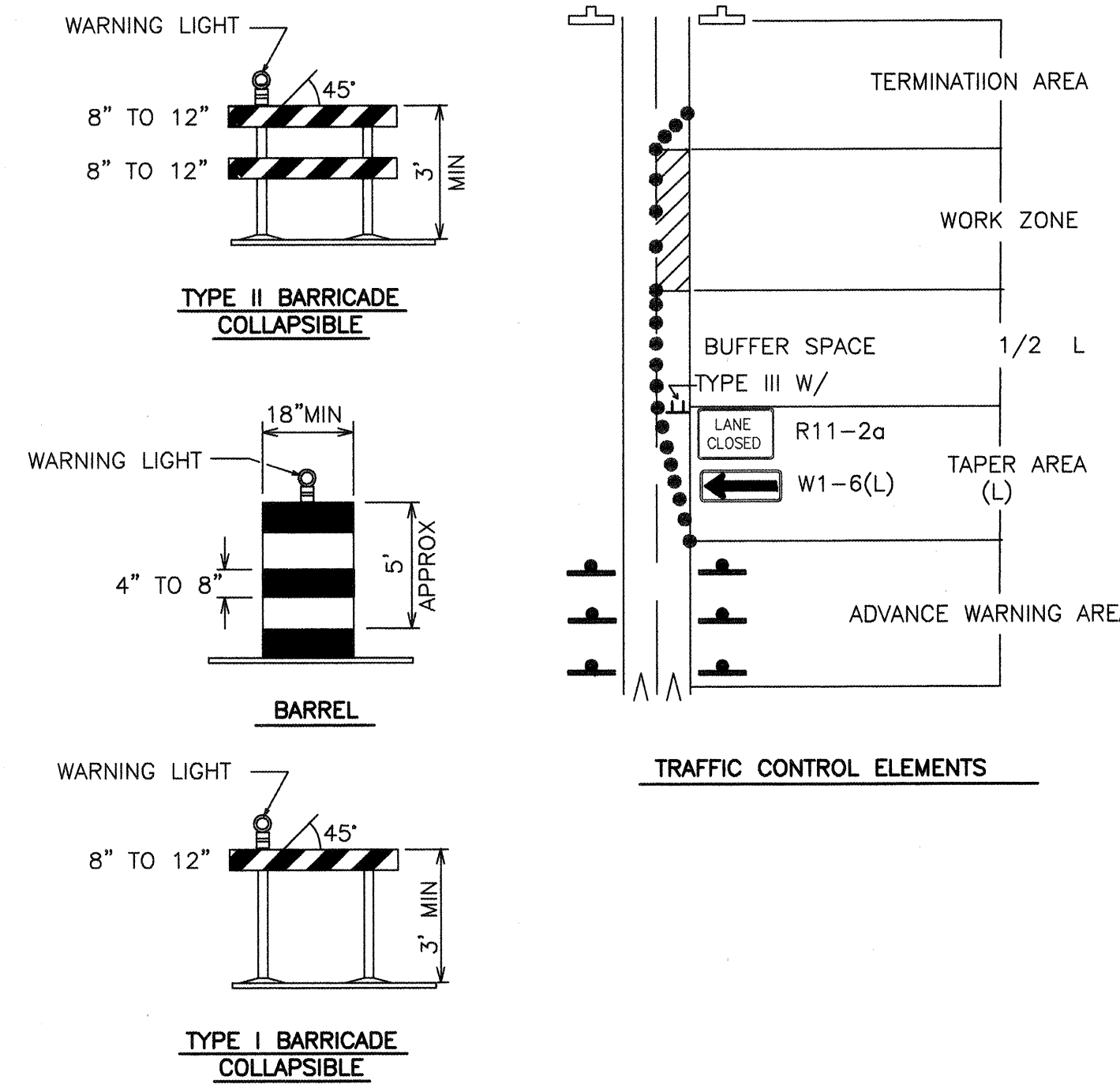
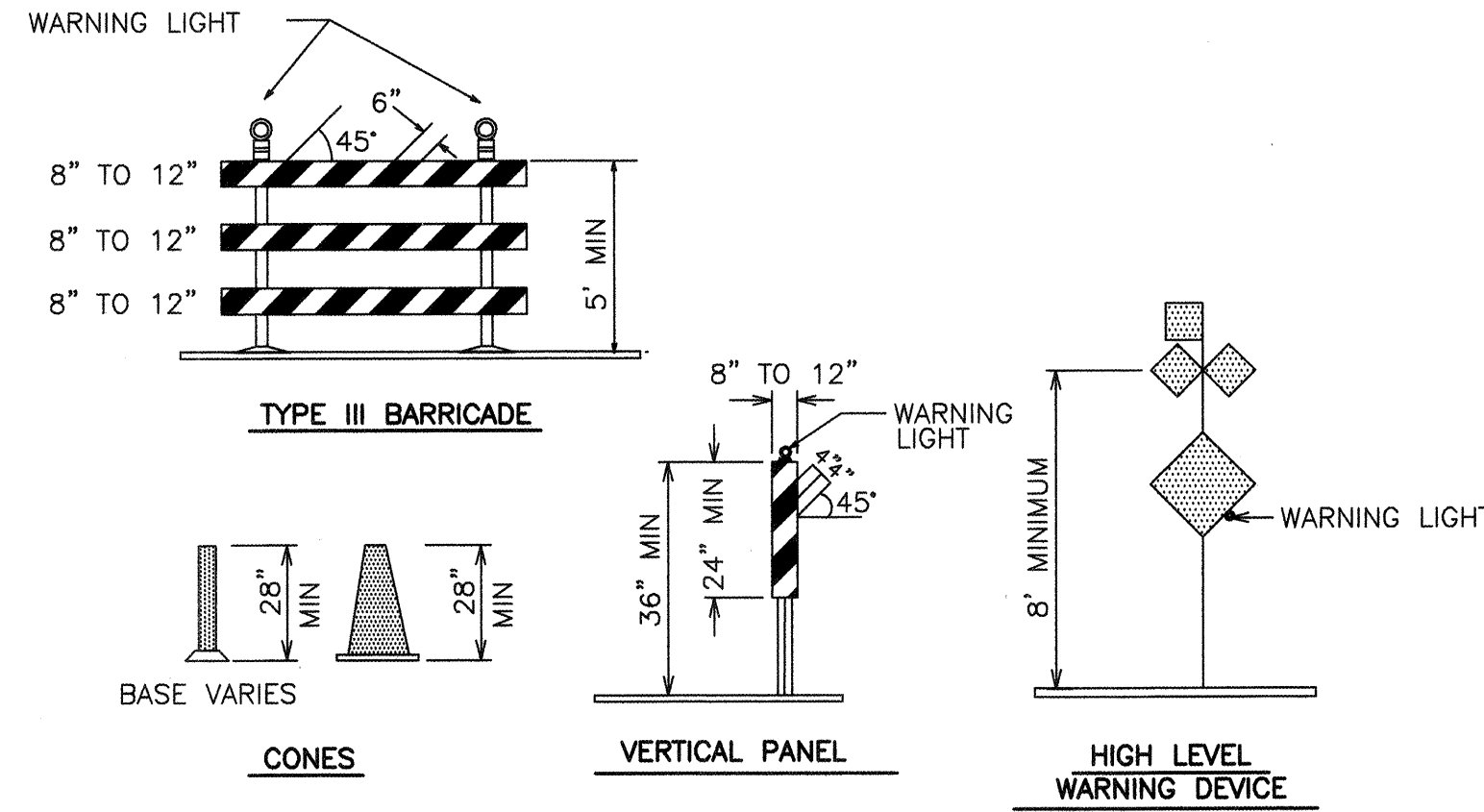
- NO LANE CLOSURES WILL BE ALLOWED ON EASTBOUND CENTRAL AVENUE FROM 6:00AM TO 9:00AM, MONDAY THROUGH FRIDAYS.
- NO LANE CLOSURES WILL BE ALLOWED ON WESTBOUND CENTRAL AVENUE FROM 3:0PM TO 7:00PM, MONDAY THROUGH FRIDAYS.
- ONLY SINGLE LANE CLOSURES ON CENTRAL AVENUE WILL BE ALLOWED FOR CONSTRUCTION OF THIS PROJECT.



SIGN FACE DETAILS



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



TRAFFIC CONTROL ELEMENTS

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 STREET LIMIT OF THE STREET
TAPER LENGTH - SEE CHART BELOW

THE TANGENT LENGTH IS EQUAL TO THE TAPER LENGTH FOR A GIVEN STREET.

TAPER REQUIREMENT

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

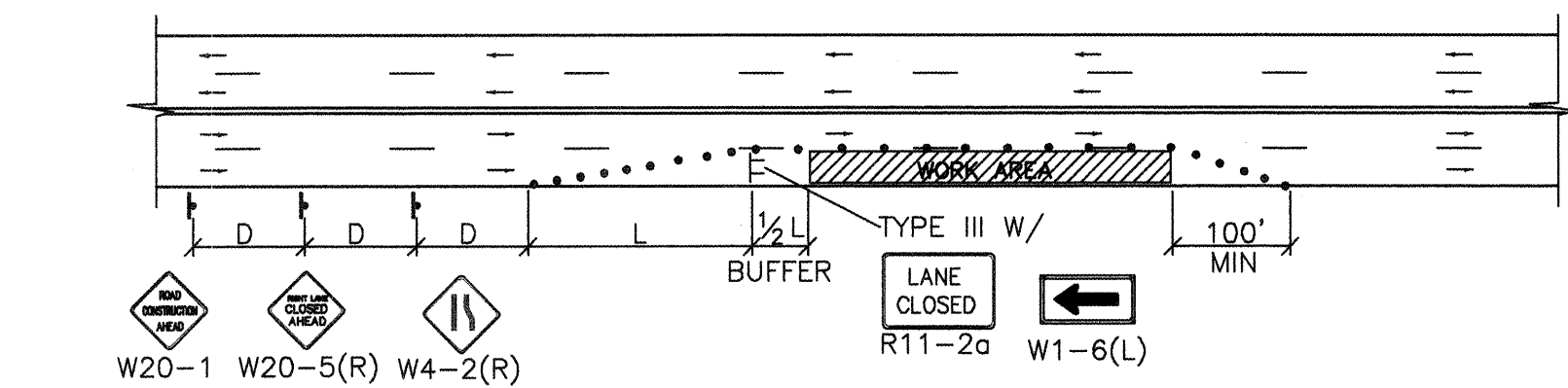
TAPER LENGTH COMPUTATION

SPEED LIMIT	
40 MPH OR LESS	$L = \frac{WS^2}{60}$
40 MPH OR GREATER	$L = W \times S$

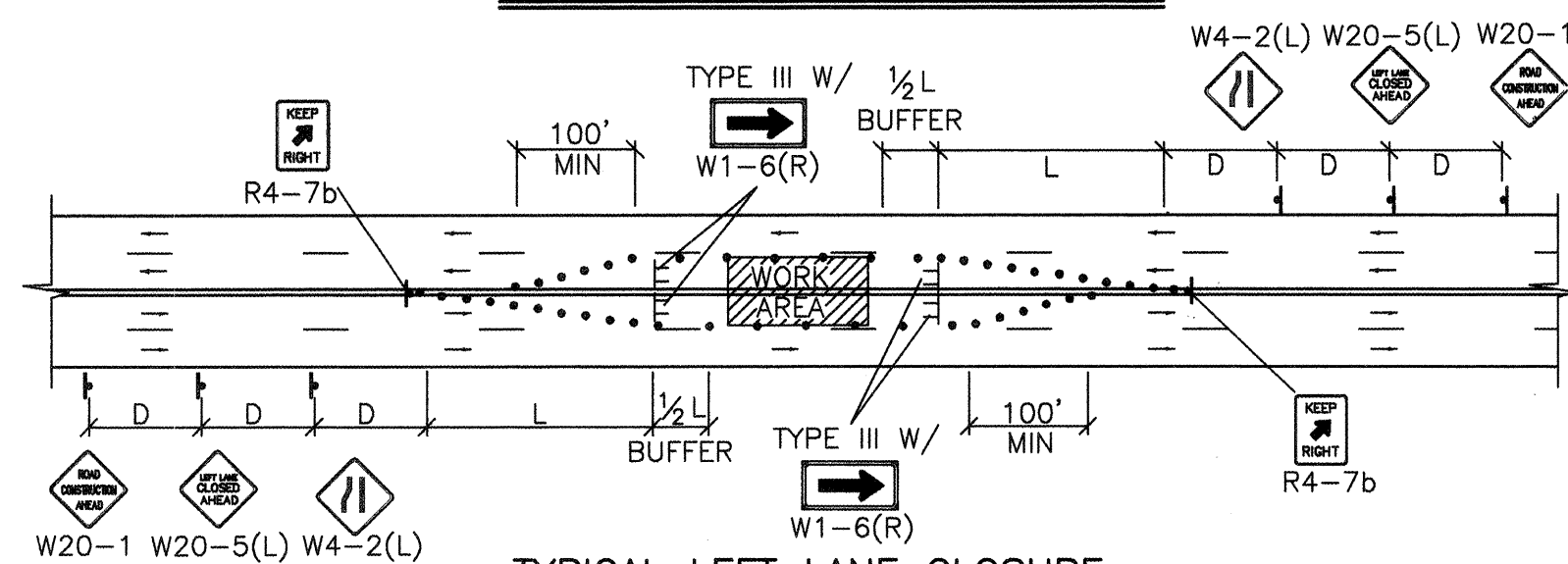
L = TAPER LENGTH
W = WIDTH OF OFFSET IN FEET
S = POSTED SPEED OR OFF-PEAK 85-PERCENTILE SPEED IN MPH

FOR INFORMATION ONLY

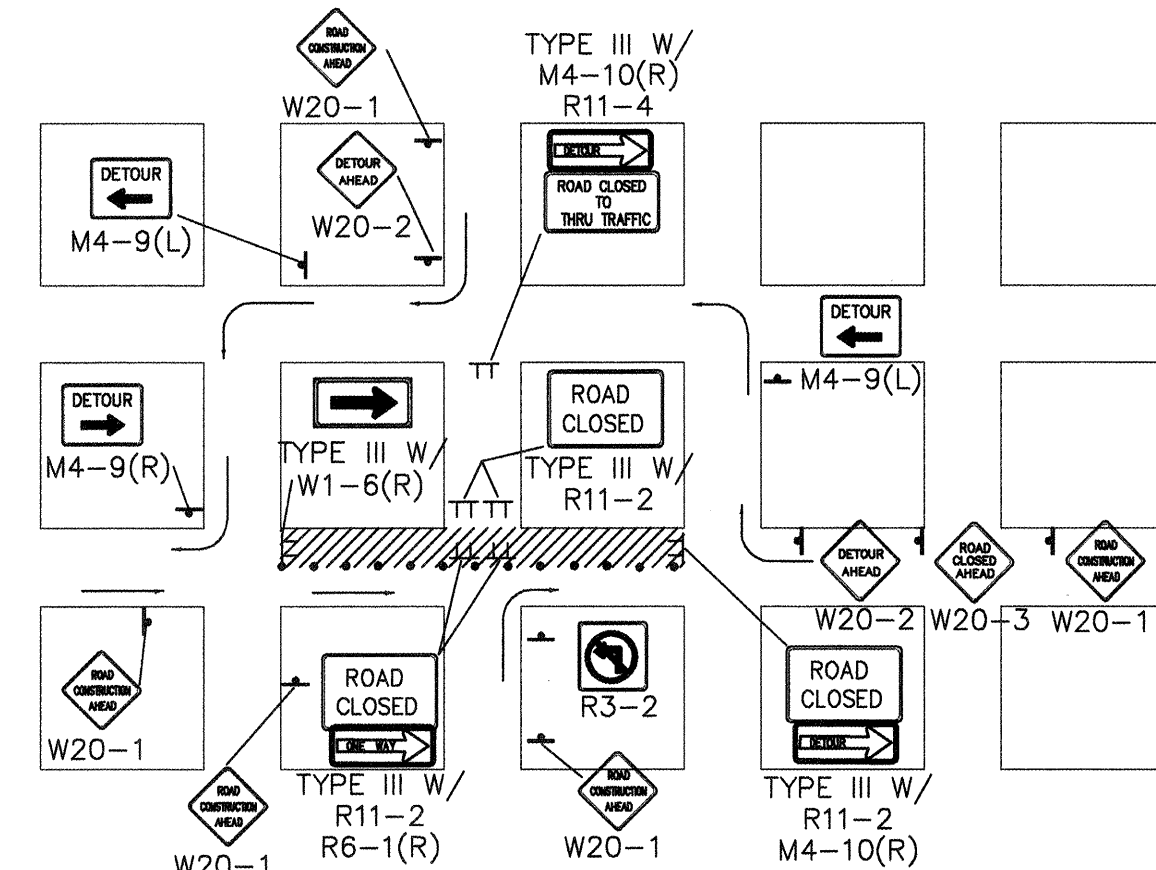
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: TRAFFIC CONTROL SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS			
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
C.O.A.	STD.		
CITY PROJECT NO. 563403	ZONE MAP NO. K-11-Z	SHEET 15	OF 16



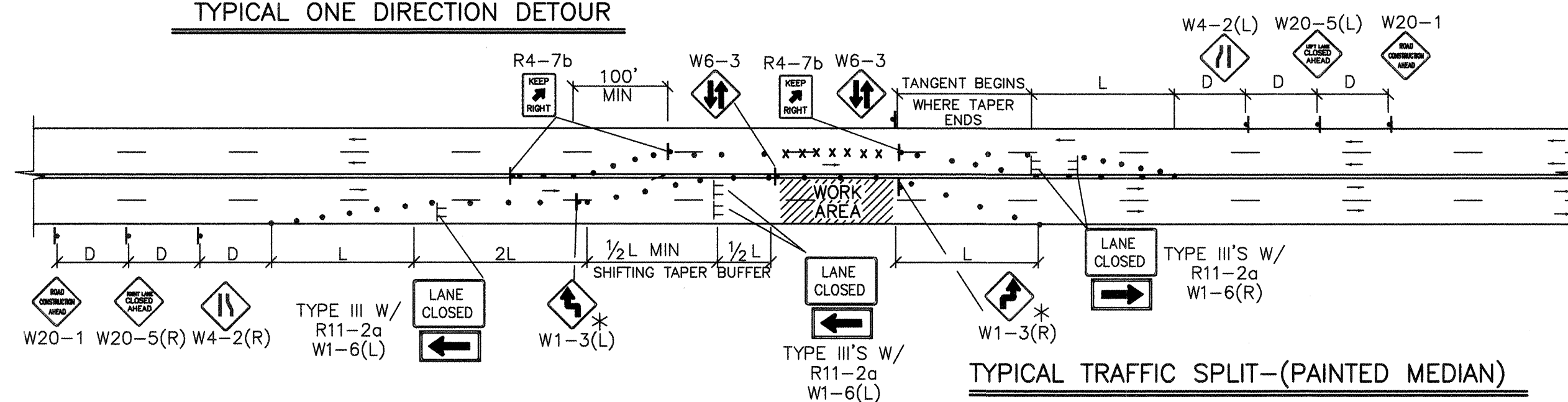
TYPICAL RIGHT LANE CLOSURE



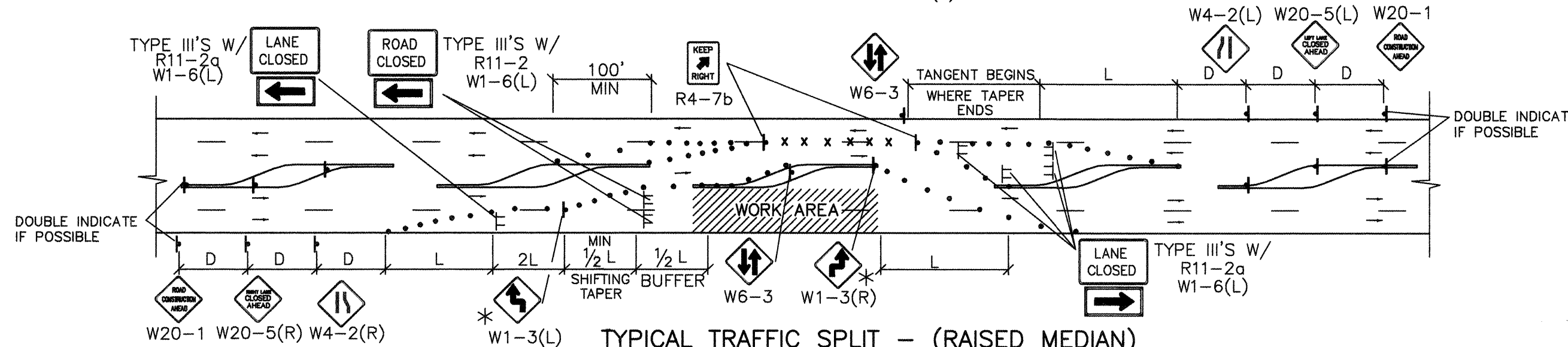
TYPICAL LEFT LANE CLOSURE



TYPICAL ONE DIRECTION DETOUR



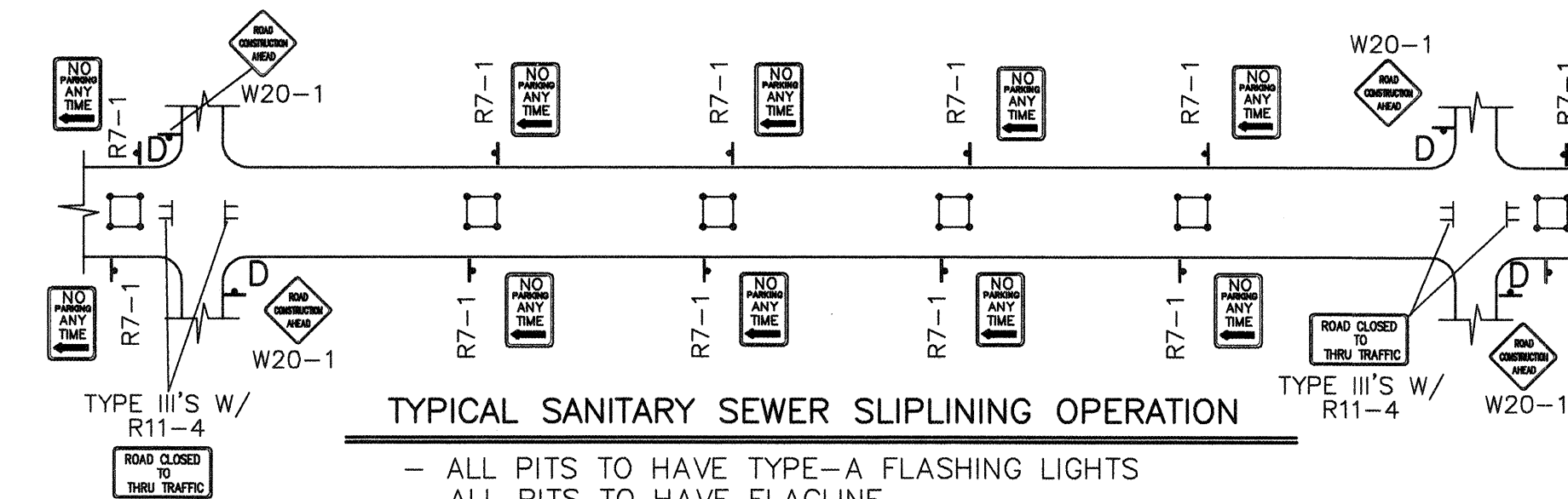
TYPICAL TRAFFIC SPLIT - (PAINTED MEDIAN)



TYPICAL TRAFFIC SPLIT - (RAISED MEDIAN)

TRAFFIC SPLIT NOTES:

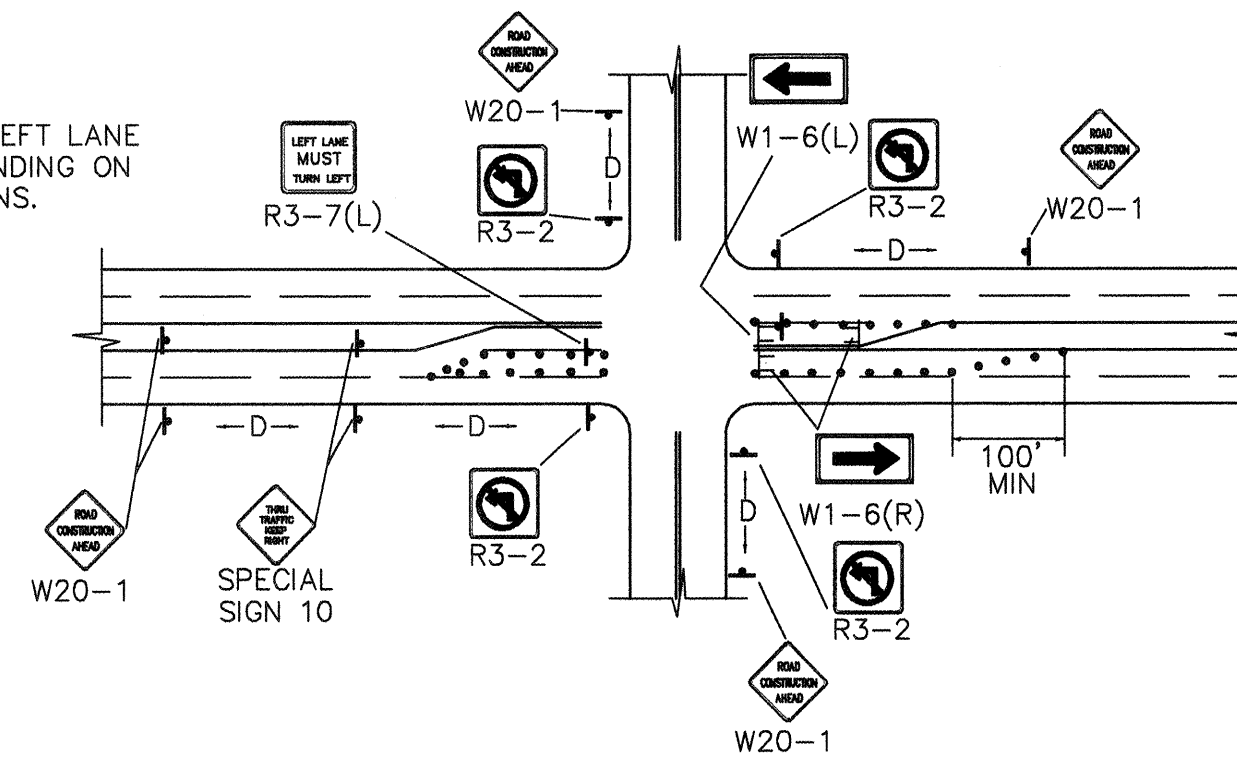
1. THE OFFSET DISTANCE MUST BE CALCULATED IN ALL SHIFTING TAPERS. THE OFFSET DISTANCES SHALL INCLUDE LANE WIDTHS PLUS MEDIAN WIDTHS.
2. 1/2 L IS THE MINIMUM DISTANCE FOR SHIFTING TAPERS.
3. REVERSE CURVES MAY BE IMPLEMENTED. ALL CURVE DATA SHALL BE CALCULATED.
4. MEDIAN REMOVAL SHALL BE REQUIRED IF 1/2 L OR REVERSE CURVE IS NOT SUFFICIENT. MEDIAN REMOVAL SHALL TAKE PLACE BEFORE SPLITS.
5. REDUCED SPEED MAY BE CONSIDERED.
6. * USE W1-3 FOR 30 MPH OR LESS, W1-4 FOR SPEED 35 MPH OR GREATER.



TYPICAL SANITARY SEWER SLIPLINING OPERATION

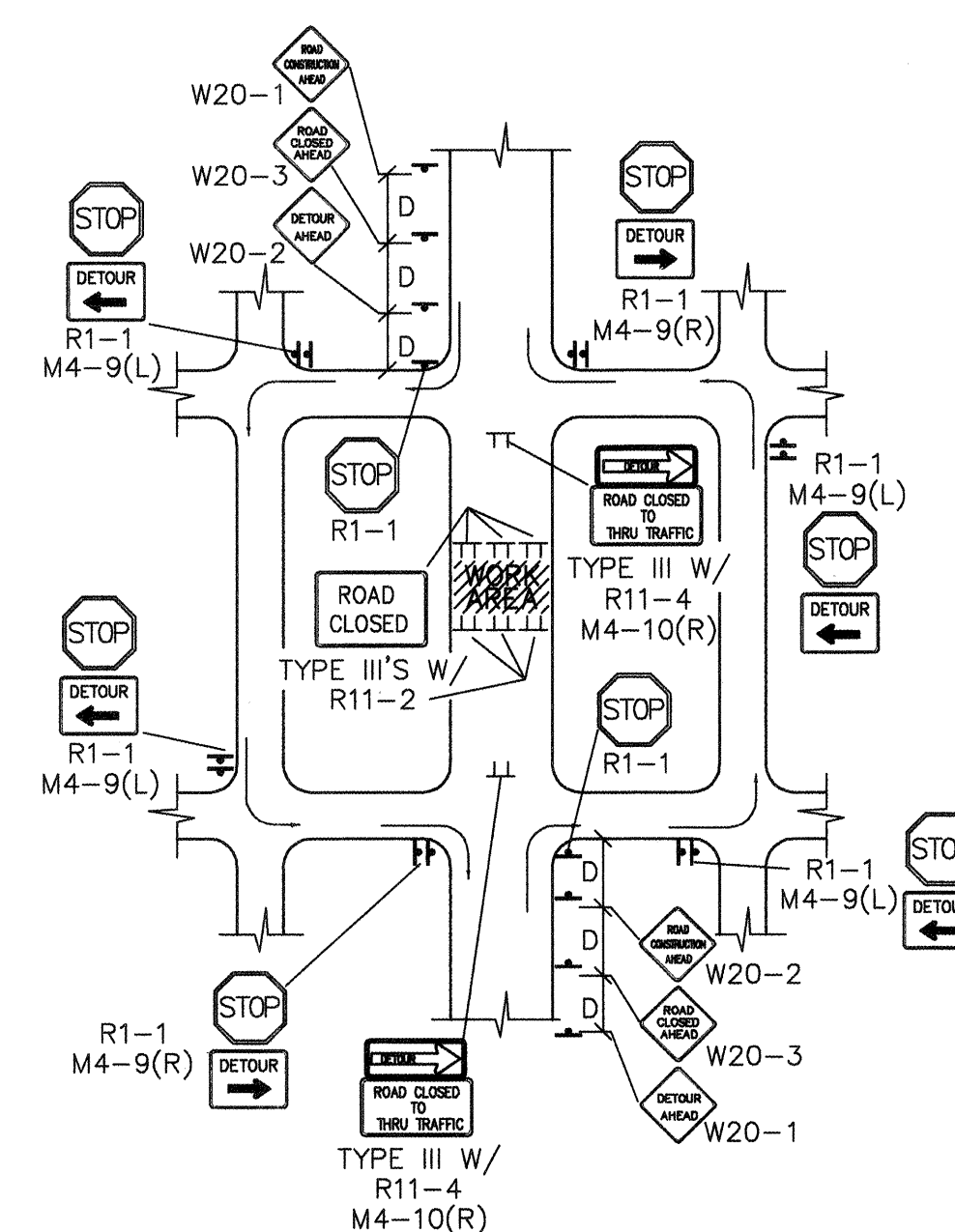
- ALL PITS TO HAVE TYPE-A FLASHING LIGHTS
- ALL PITS TO HAVE FLAGLINE

NOTE:
MAY REQUIRE LEFT LANE
CLOSURE DEPENDING ON
FIELD CONDITIONS.



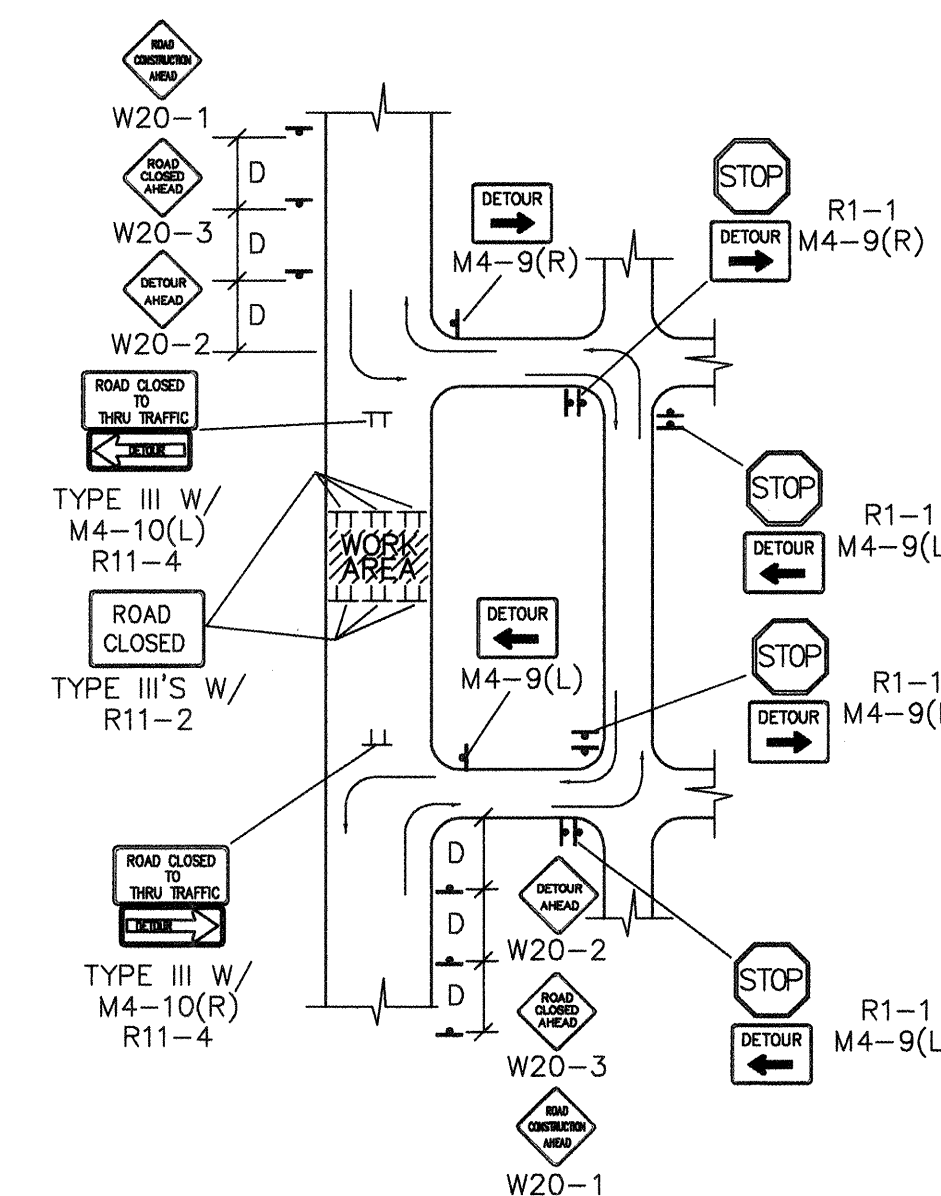
TYPICAL LANE CLOSURE AT INTERSECTION

NOTE: DEPENDING ON WORK ZONE LOCATION.



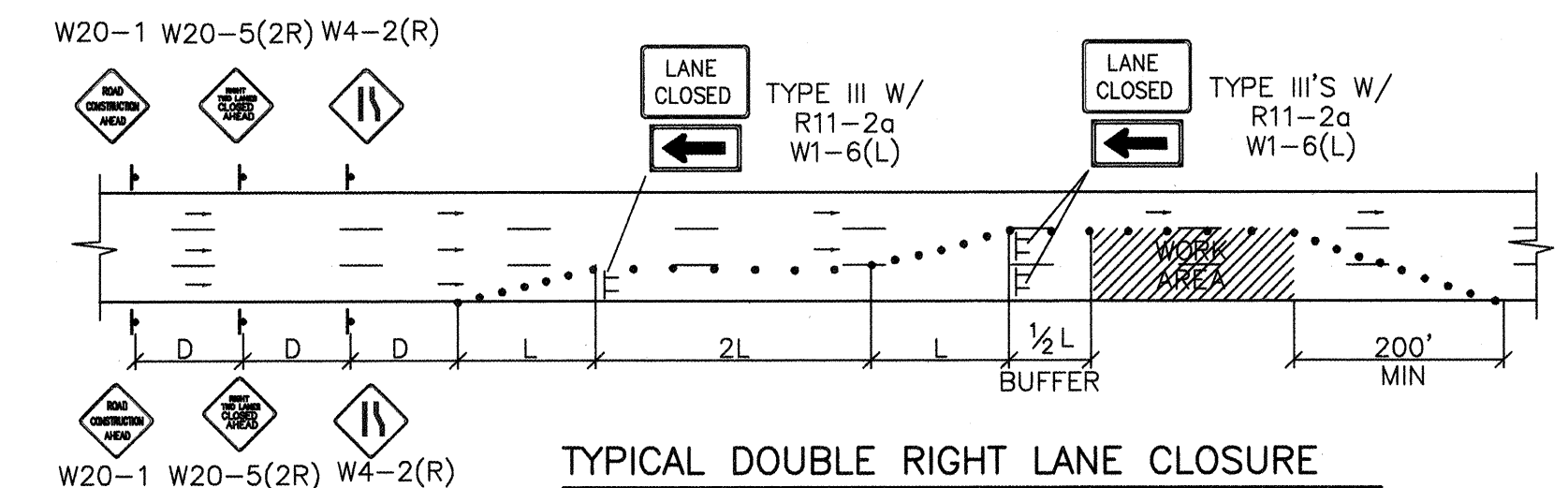
TYPICAL MID-BLOCK CLOSURE

NOTE: (R1-1) BASED ON FIELD CONDITIONS.

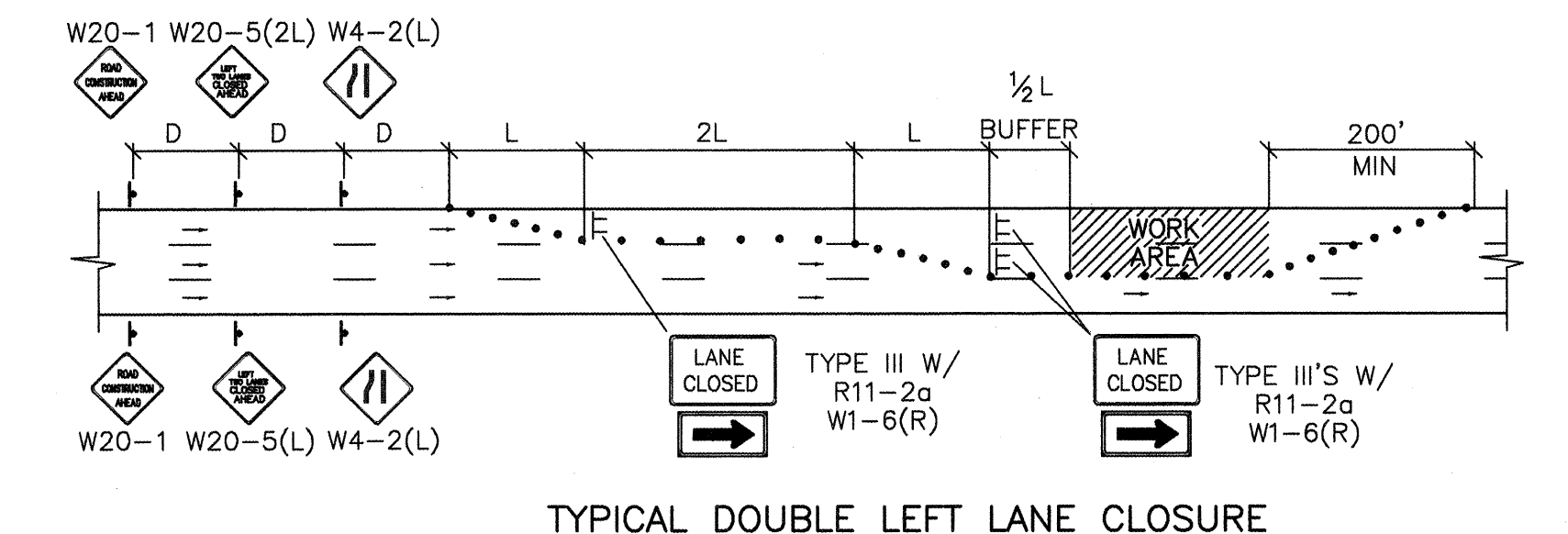


TYPICAL STREET CLOSURE

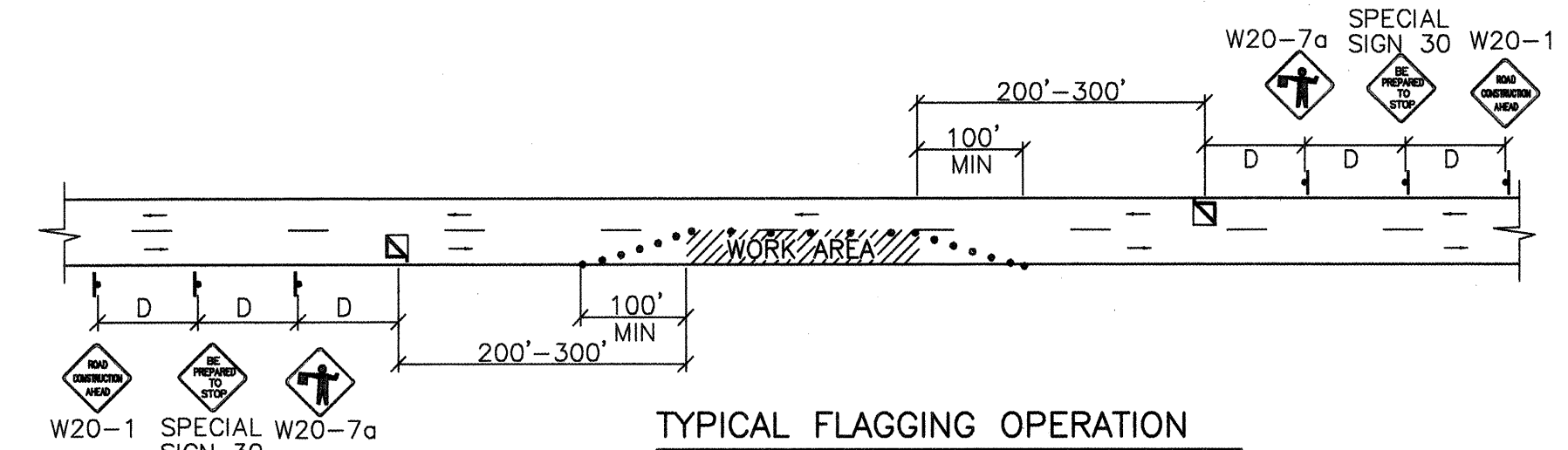
NOTE: (R1-1) BASED ON FIELD CONDITIONS.



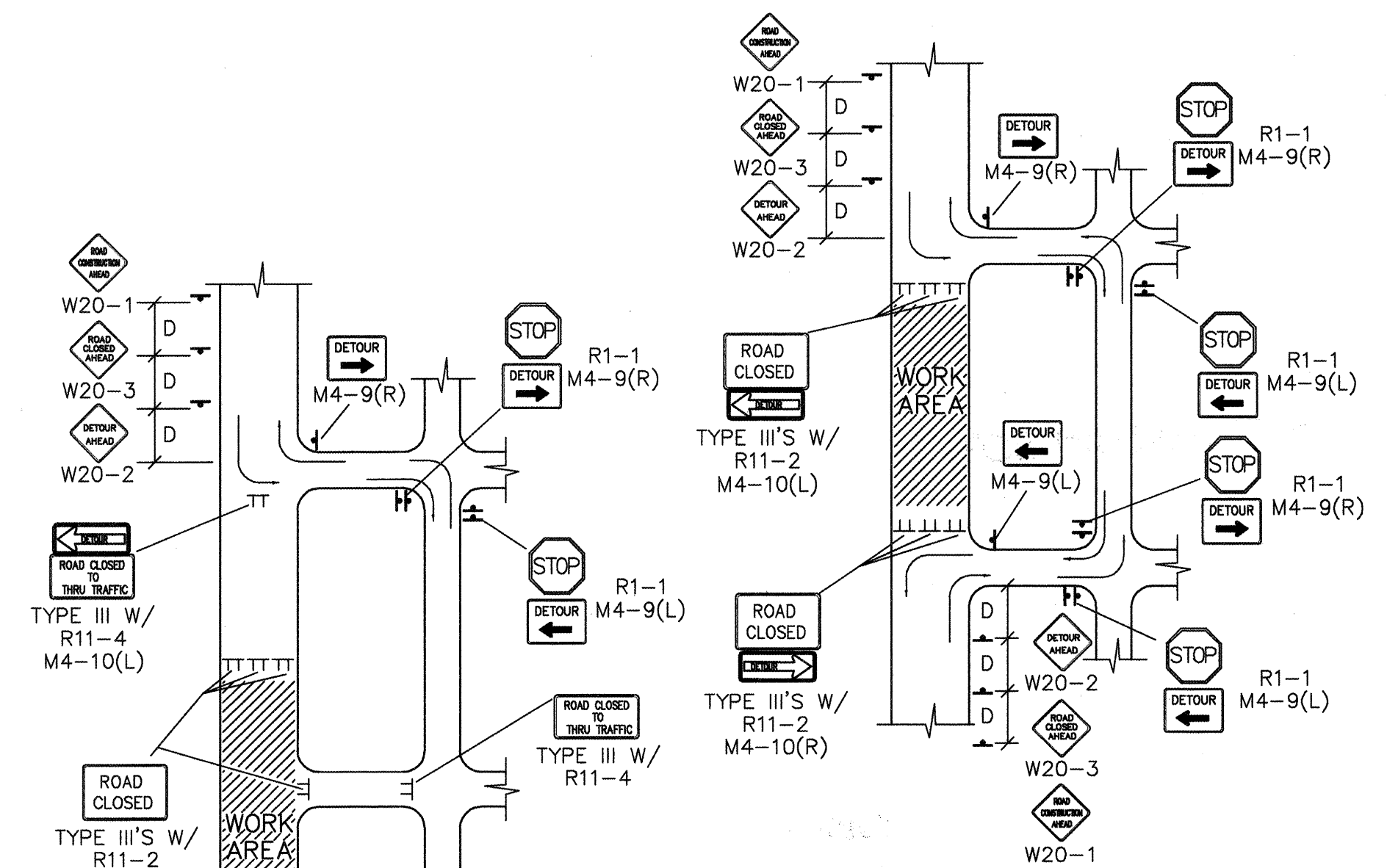
TYPICAL DOUBLE RIGHT LANE CLOSURE



TYPICAL DOUBLE LEFT LANE CLOSURE



TYPICAL FLAGGING OPERATION



TYPICAL STREET CLOSURE

NOTE: (R1-1) BASED ON FIELD CONDITIONS.

FOR INFORMATION ONLY

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: TYPICAL TRAFFIC CONTROL
& SIGNING EXAMPLES (REF MUTCD)

DESIGN REVIEW COMMITTEE CITY ENGINEER APPROVAL MO./DAY/YR. MO./DAY/YR.

C.O.A. STD.

CITY PROJECT NO. 563403 ZONE MAP NO. K-11-Z SHEET 16 OF 16

C.O.A. STD.

DESIGNED BY COA
DRAWN BY COA
CHECKED BY COA

DATE 05/24/02
DATE 05/24/02
DATE 05/24/02

REVISIONS
NO. DATE

GENERAL NOTE
BY J.D.L.

REMARKS
BY

DESIGN
BY

REVISIONS
NO. DATE

GENERAL NOTE
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