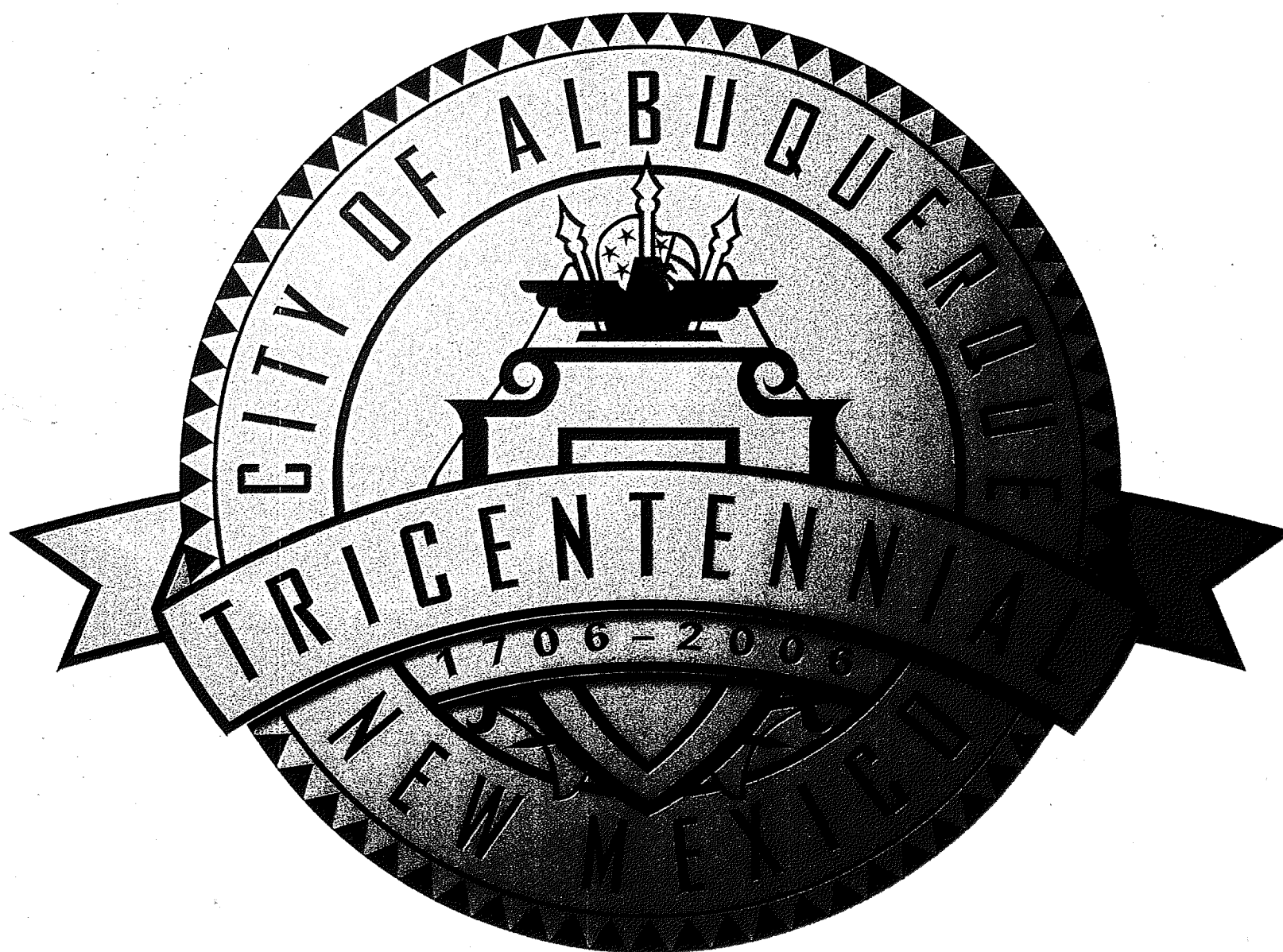
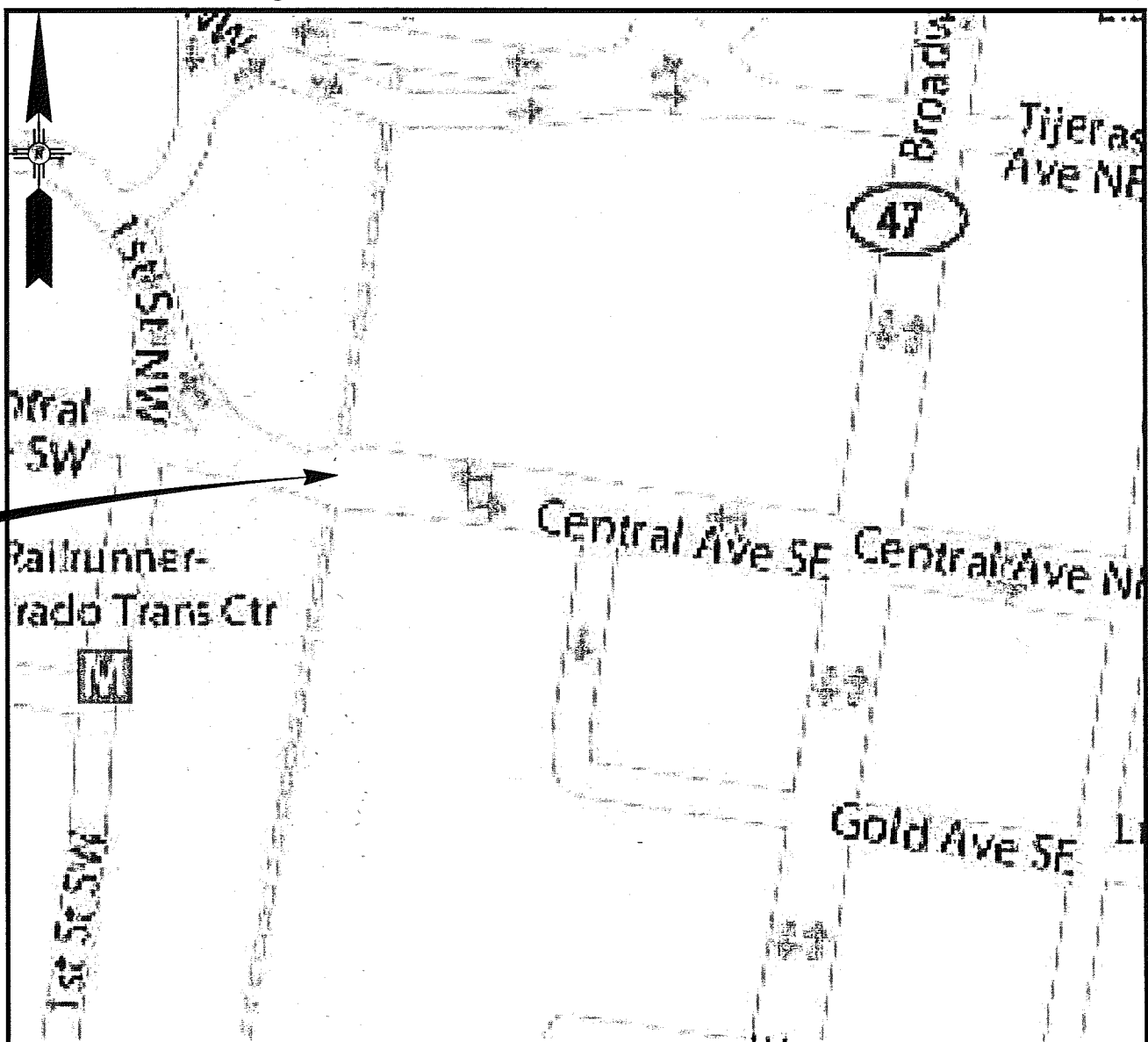


CITY OF ALBUQUERQUE
NEW MEXICO



COA PROJECT
NO. 6323-94



LOCATION MAP
ZONE ATLAS MAP K14

NTS

CONSTRUCTION PLANS
FOR
CENTRAL BRIDGE CROSSING NEAR THE ALBUQUERQUE
TRANSIT CENTER (ON CALL ENGINEERING) ON
CENTRAL AVENUE
COA PROJECT NO. 6323-94

INDEX






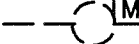
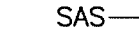
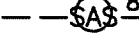
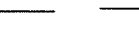
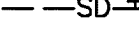
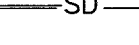
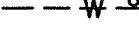
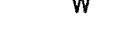
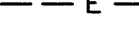








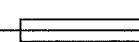
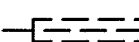
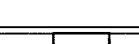
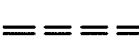







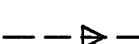
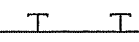
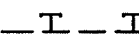

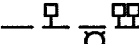

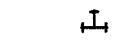

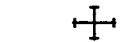

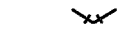

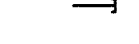



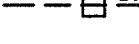



















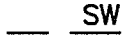
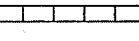

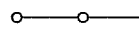
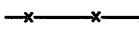
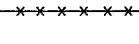
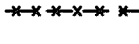
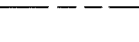
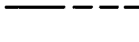





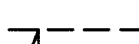

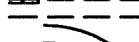









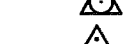


1. COVER SHEET
2. PROJECT GENERAL NOTES
3. STRUCTURAL GENERAL NOTES
4. ESTIMATED QUANTITIES
5. LOCATION PLAN
6. RETAINING WALL PLAN
7. RETAINING WALL DETAILS
8. LIGHTING PLAN
9. WIRING DIAGRAM
10. LIGHTING DETAILS
11. ART PANELS 1
12. ART PANELS 2
13. STEEL ARCH DETAILS
14. LANDSCAPING DETAILS
15. IRRIGATION DETAILS
16. MISC. DETAILS



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REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS		ENGINEER	DATE	*****	
		DRC Chairman		<i>J. Vooght</i>	7/1/09	APPROVED FOR CONSTRUCTION	
		Transportation		<i>Dr. S.</i>	7/1/09		
		Water/Wastewater		<i>W. W.</i>	7/1/09		
		Hydrology		<i>Bradley B. B.</i>	7/1/09		
		Parks					
Constr. Mngmt.				<i>Bill D.</i> 7-01-09 City Engineer Date			
Constr. Coord.							
City Project No.		6323-94		Sheet 1 Of 16			

Date: Jul 01, 2009 - 10:27am b10res Layout: 745501G01
Drawing Name: F:\COA\Central Underpass\13.03.01\Project_Submittals\13.03.01\Working\6323_02_Civ.dwg

PROPOSED	EXISTING	DESCRIPTION
		SANITARY SEWER MANHOLE
		STORM DRAIN MANHOLE
		TELEPHONE MANHOLE
		SANITARY SEWER LINE w/SIZE & TYPE
		STORM DRAIN LINE w/SIZE & TYPE
		WATER LINE w/SIZE & TYPE
		OVERHEAD ELECTRICAL LINE
		UNDERGROUND ELECTRICAL/TRAFFIC CONTROL
		UNDERGROUND TELEPHONE
		OVERHEAD TELEPHONE
		GAS LINE w/SIZE & TYPE
		CABLE TELEVISION LINE
		ENCASEMENT
		STORM INLET (GRADE ELEVATION GIVEN IN PLANS IS EXTENDED FLOW LINE)
		WATER VALVE
		BUTTERFLY VALVE
		FIRE HYDRANT
		REDUCER
		SAS SERVICE CONNECTION
		WATER SERVICE CONNECTION
		TEES
		CROSSES
		BENDS
		CAPS & PLUGS
		WATER METER
		GAS METER
		GAS RISER
		VALVE BOX
		POWER POLE
		TRAFFIC SIGNAL
		TRAFFIC CONTROL BOX
		PULL BOX
		TELEPHONE RISER
		TELEPHONE BOOTH
		FIRE ALARM BOX
		CURB & GUTTER
		SIDEWALK
		BLOCK WALL
		CHAIN LINK FENCE
		FIELD FENCE
		RIGHT OF WAY LINES
		PROPERTY LINES(SIDE)
		PUBLIC EASEMENT
		POWER POLE W/LIGHT
		DRIVEPAD
		MOBILITY IMPAIRED ACCESS RAMP
		C.O.A. PROJECT CONTROL POINT OR A.C.S. MONUMENT DO NOT DISTURB
		TEST BORING
		HORIZ. & VERT. CONTROL

GENERAL NOTES:

1. THE CONTRACTOR SHALL PROVIDE INGRESS AND EGRESS TO LOCAL BUSINESSES AND RESIDENCES FOR THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL ADVISE OF AND SCHEDULE ACCESS CLOSURES, AT LEAST 24 HOURS IN ADVANCE, WITH PROPERTY OWNERS AND THE CONSTRUCTION PROJECT MANAGER.
2. IF A PAVEMENT DROP-OFF IS CREATED DURING CONSTRUCTION, THE CONTRACTOR SHALL INITIATE PROTECTIVE ACTION IN ACCORDANCE WITH THE NMDOT'S CURRENT "DROP-OFF GUIDELINE". THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR.
3. THE CONTRACTOR SHALL CLEAN ALL EXISTING STRUCTURES THAT ARE TO REMAIN OPERATIONAL. STRUCTURES SHALL BE CLEAN AT THE TIME OF FINAL PROJECT ACCEPTANCE. THIS WORK SHALL BE CONSIDERED AS INCIDENTAL TO CONSTRUCTION. NO SEPARATE MEASUREMENT AND PAYMENT WILL BE MADE FOR CLEANING OF STRUCTURES.
4. SEVEN (7) 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 (924-3400) PRIOR TO OCCUPYING AN INTERSECTION.
5. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER THIS CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREIN, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION THROUGH UPDATE NO.7, INCLUDING AMENDMENT #1, AND THE NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION, CURRENT EDITION.
6. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION OR DEMOLITION, CONTRACTOR MUST CONTACT N.M. ONE-CALL SYSTEM, 260-1990, FOR LOCATION OF EXISTING UTILITIES.
7. ALL NEW STREET PAVING, CURB AND GUTTER, SIDEWALKS OR DRIVEPADS SHALL MATCH THE ELEVATIONS OF ABUTTING EXISTING AREAS AS SHOWN IN THE PLANS OR AS DIRECTED BY THE PROJECT MANAGER.
8. THE CONTRACTOR SHALL COORDINATE THEIR CONSTRUCTION ACTIVITIES WITH ALL OTHER CONTRACTORS AND UTILITY COMPANIES WORKING IN THE SAME AREA. THE CONTRACTOR MAY BE REQUIRED TO RESCHEDULE THEIR ACTIVITIES TO ALLOW ADDITIONAL CREWS TO PERFORM THEIR REQUIRED WORK. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR DELAYS OR INCONVENIENCE CAUSED BY UTILITY COMPANY WORK CREWS.
9. WHEN ABUTTING NEW PAVEMENT TO EXISTING, CONTRACTOR SHALL SAW CUT, TO FULL PAVEMENT DEPTH, THE EXISTING PAVEMENT TO A NEAT VERTICAL STRAIGHT LINE AS REQUIRED TO REMOVE ANY BROKEN OR CRACKED PAVEMENT AND MATCH NEW TO EXISTING. THIS WORK SHALL BE CONSIDERED INCIDENTAL AND NO ADDITIONAL PAYMENT WILL BE MADE THEREFOR.
10. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING PAVEMENTS, PAVEMENT MARKINGS, CURB AND GUTTER, OR SIDEWALK DURING CONSTRUCTION, APART FROM THOSE SECTIONS INDICATED FOR REMOVAL ON THE PLANS, AND SHALL REPAIR OR REPLACE PER CITY OF ALBUQUERQUE STANDARDS AT HIS OWN EXPENSE.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING, AT HIS OWN EXPENSE, ALL PERMITS NECESSARY FOR CONSTRUCTION.
12. ALL WORK IMPACTING AN ARTERIAL ROADWAY WILL REQUIRE 24-HOUR CONSTRUCTION IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE'S ORANGE BARREL POLICY.
13. CRITICAL INTERSECTION WORK SHALL NOT START UNTIL THE CONTRACTOR HAS ALL MATERIAL, EQUIPMENT, AND NECESSARY PERSONNEL ON-SITE. TRAFFIC CONTROL DEVICES SHALL NOT BE PLACED PREMATURELY.
14. OVERNIGHT PARKING OF CONSTRUCTION VEHICLES ON PRIVATE PROPERTY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
15. THE CONSTRUCTION CLEAR ZONE FOR THIS PROJECT IS 20 FEET FROM THE EDGE OF DRIVING LANE. THE CONTRACTOR SHALL NOT STORE EQUIPMENT OR MATERIAL WITHIN THE CONSTRUCTION CLEAR ZONE UNLESS THE EQUIPMENT OR MATERIAL IS PROPERLY SHIELDED UTILIZING CURRENT SAFETY DESIGN AND INSTALLATION METHODS. THE SAFETY DESIGN FOR SHIELDING SHALL BE PROVIDED BY THE CONTRACTOR AND MUST BE APPROVED BY THE PROJECT MANAGER BEFORE IMPLEMENTING. THIS WORK, INCLUDING DESIGN, INSTALLATION, AND REMOVAL OF THE SHIELDING, SHALL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR.
16. WHEN EXISTING TRAFFIC SIGNALS ARE TURNED OFF, THE CONTRACTOR SHALL HAVE AN OFF-DUTY POLICE OFFICER DIRECT TRAFFIC. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION AND NO ADDITIONAL PAYMENT WILL BE MADE.
17. THROUGHOUT THE LIFE OF THIS PROJECT, THE CONTRACTOR SHALL KEEP THE LOCAL NEWS MEDIA INFORMED OF CONSTRUCTION ACTIVITIES WHICH WILL IMPEDE OR DISRUPT THE NORMAL FLOW OF TRAFFIC.
18. THE CONTRACTOR SHALL MAINTAIN AN UP TO DATE SET OF AS-BUILT PLANS FOR THE PROJECT. THESE PLANS SHALL BE KEPT CURRENT WITHIN TWO WEEKS AT ALL TIMES AND SHALL BE SUBJECT TO REVIEW BY THE PROJECT MANAGER THROUGHOUT THE PROJECT AND WILL BE REVISED BY THE PROJECT MANAGER FOR ACCURACY AND COMPLETENESS AT LEAST ONCE EVERY 30 DAYS. THE FINAL AS-BUILT PLANS SHALL BE SUBMITTED TO THE PROJECT MANAGER PRIOR TO FINAL PAYMENT.
19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING OSHA SAFETY REGULATIONS REGARDING FALL PROTECTION DURING WORK ON THE PROJECT SITE AT ALL TIMES.
20. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL CONSTRUCTION SIGNAGE UNTIL THE PROJECT HAS BEEN ACCEPTED BY THE CITY OF ALBUQUERQUE.

INCIDENTAL ITEMS *

- CORRECTION OF PAVEMENT DROP-OFF. SEE GENERAL NOTE 2, THIS SHEET
- CLEAN EXISTING STRUCTURES. SEE GENERAL NOTE 3, THIS SHEET.
- CLEAR ZONE SHIELDING. SEE GENERAL NOTE 15, THIS SHEET.
- OFF-DUTY POLICE OFFICER. SEE GENERAL NOTE 16, THIS SHEET.
- PAVEMENT SAWCUT, SEE GENERAL NOTE 9.

PROJECT DESCRIPTION:

THIS PROJECT CONSISTS OF THE REMOVAL, REPLACEMENT AND LANDSCAPING OF A RETAINING WALL ON THE SOUTHWEST QUADRANT OF THE CENTRAL AVE./RAILROAD BRIDGE NEAR THE ALBUQUERQUE TRANSIT CENTER. THE PROJECT ALSO INCLUDES THE ADDITION OF LED LIGHT FIXTURES, ART PANELS, AND STEEL ARCHES.

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AND/OR ASSEMBLED BY:

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ONE COMPANY
Many Solutions

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PROJECT MANAGER

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CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: **CENTRAL BRIDGE CROSSING NEAR THE ALBUQUERQUE TRANSIT CENTER**

PROJECT GENERAL NOTES

Design Review Committee
APPROVED
JUL 01 2009
DESIGN REVIEW COMMITTEE

City Engineer Approval
APPROVED
JUL 02 2009
CITY ENGINEER

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

City Project No. **6323-94** Zone Map No. **K14** Sheet **2** Of **16**

1. EXISTING UTILITIES: THE CONTRACTOR SHALL VERIFY IN THE FIELD THE LOCATIONS OF ALL EXISTING UTILITIES CABLES, PIPES, OR CONDUITS WHICH MUST BE REMOVED, RELOCATED OR PROTECTED FROM DAMAGE BEFORE PROCEEDING WITH THE NEW WORK.
2. EXISTING SIDEWALK SHOWN ON PLANS TO BE REMOVED BY THE CONTRACTOR. THIS CONCRETE IS TO BE REMOVED AND PROPERLY DISPOSED OF IN ACCORDANCE WITH THE NMDOT STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION, 2007 EDITION.
3. ALL MATERIAL FROM THE REMOVAL OTHER THAN THE SALVAGED MATERIAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSING OF SUCH ITEMS IN AN ENVIRONMENTALLY RESPONSIBLE MANNER, IN ACCORDANCE WITH ALL LOCAL AND FEDERAL REGULATIONS.
4. JOINT FILLER: CLOSED CELL POLYSTYRENE JOINT FILLER MATERIAL SHALL BE OWENS CORNING FOAMULAR 150 OR AN APPROVED EQUAL. FURNISH AND PLACING THE MATERIAL WILL BE INCIDENTAL TO STRUCTURAL CONCRETE CLASS A.
5. PENETRATING WATER REPELLANT TREATMENT: A PENETRATING WATER REPELLANT TREATMENT SHALL BE APPLIED TO THE TOP OF THE NEW SIDEWALK AND ALL EXPOSED SURFACES OF THE NEW RETAINING WALL.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MEASUREMENTS AND THE FINAL FIT OF ALL COMPONENTS.
7. THE FOLLOWING SURFACES SHALL RECEIVE NEW PAINT COATING:
EXTERIOR FACE OF BRIDGE RAIL (EAST AND WEST SIDE OF BRIDGE)
ALL EXPOSED FACES OF ROADWAY RETAINING WALLS
ON ALL (4) QUADRANTS OF THE BRIDGE
BRIDGE ABUTMENT WALLS AND WINGWALLS
CONCRETE HANDRAILS ON ALL (4) QUADRANTS OF THE BRIDGE AND UNDER THE BRIDGE

CITY PROJECT MANAGER TO FIELD VERIFY EXTENTS AND COLOR PRIOR TO CONTRACTOR BEGINNING WORK. A TWO TONED COLOR SCHEME WILL BE USED.

8. EXISTING LIGHT FIXTURES IN PEDESTRIAN TUNNEL TO BE REMOVED AFTER NEW LED FIXTURES ARE INSTALLED AND OPERATIONAL.
9. ART PANELS ALL ART PANELS SHOWN ON ART PANELS 1 AND ART PANELS 2 WILL BE COMPOSED OF LAMINATED GLASS WITH ONE UNIQUE IMAGE PER PANEL PER WALKWAY. ALL IMAGES WILL BE AVAILABLE TO CONTRACTOR IN HIGH QUALITY ELECTRONIC FORMAT.

CONCRETE: ALL NEW CONCRETE SHALL MEET NMDOT STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION SECTION 510. ALL NEW CONCRETE SHALL BE CLASS A.

REINFORCING BARS: ALL NEW REINFORCING STEEL SHALL MEET NMDOT STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION SECTION 540. REINFORCING BARS SHALL BE GRADE 60. DIMENSIONS SHOWN REFER TO THE CENTERLINE OF BARS UNLESS NOTED OTHERWISE.

STRUCTURAL STEEL: ALL NEW STRUCTURAL STEEL SHALL MEET NMDOT STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION SECTION 541. STRUCTURAL STEEL SHALL CONFORM TO THE REQUIREMENTS OF ASTM A36.

BOLTS: ALL NEW HIGH STRENGTH BOLTS SHALL MEET NMDOT STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION SECTION 542B. BOLTS SHALL BE ½"Ø ASTM A325, UNLESS NOTED OTHERWISE.

BENT TUBE STEEL:
SQUARE TUBE — ASTM A500 GRADE C

WATERPROOFING: WATERPROOFING SHALL BE PLACED ON THE RETAINING WALL AS SHOWN ON THE PLANS. USE VF-20 PRIMER ALONG WITH FSS/45DC SPRAY COATING MANUFACTURED BY VERSA FLEX INC. OR APPROVED EQUAL. APPLY ACCORDING TO MANUFACTURERS RECOMMENDATIONS.

DESIGN IS IN ACCORDANCE WITH AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS 4TH EDITION AND CURRENT INTERIMS.

DESIGN STRESSES:

STRUCTURAL STEEL:	$F_y = 36,000 \text{ PSI}$
REINFORCED CONCRETE:	$f'_c = 3,000 \text{ PSI AT } 28 \text{ DAYS}$
REINFORCING STEEL:	$F_y = 60,000 \text{ PSI GRADE } 60$

EARTH PRESSURE:



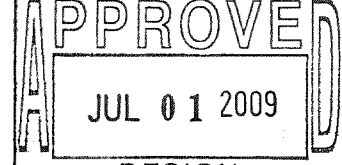
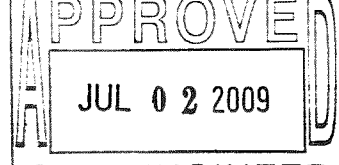
ACTIVE PRESSURE:	35 PSF
PASSIVE PRESSURE:	400 PSF
SOIL DENSITY:	120 PCF

1. RETAINING WALL BACKFILL.
2. PENETRATING WATER REPELLENT TREATMENT CALLED FOR IN SECTION 511—CONCRETE STRUCTURES.
3. JOINT FILLER.
4. FORM LINER.

ITEMS LISTED ABOVE ARE ONLY A GENERAL DESCRIPTION AND MAY NOT BE COMPLETE. THIS LIST DOES NOT INCLUDE INCIDENTAL WORK OR MATERIALS REQUIRED BY THE STANDARD SPECIFICATION OR SUPPLEMENTAL TECHNICAL SPECIFICATION. THE INTENT OF THE CONTRACT IS TO PROVIDE FOR THE CONSTRUCTION AND COMPLETION IN EVERY DETAIL OF THE WORK DESCRIBED. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, EQUIPMENT, TOOLS, TRANSPORTATION, AND SUPPLIES REQUIRED TO COMPLETE THE WORK IN ACCORDANCE WITH THE PLANS, SPECIFICATIONS, AND TERMS OF THE CONTRACT.

THESE ABBREVIATIONS APPLY TO THE ENTIRE SET
OF CONTRACT DRAWINGS.

N-W	NORTHWEST
N-E	NORTHEAST
S-E	SOUTHEAST
S-W	SOUTHWEST
U.N.O.	UNLESS NOTED OTHERWISE
W.P.	WORKPOINT
C.A.	DENOTES CONTRACT A
C.B.	DENOTES CONTRACT B

2185 LOUISIANA BLVD., NE SUITE 2500 ALBUQUERQUE, NM 87110 MAIN: (505) 830-5400 FAX: (505) 830-5454		 ONE COMPANY <i>Many Solutions</i>		NO. 10A	DESIGNED	DRAWN BY	CHECKED BY
 <div style="text-align: center;"> CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT TRANSPORTATION DEVELOPMENT DIVISION </div>							
TITLE: CENTRAL BRIDGE CROSSING NEAR THE ALBUQUERQUE TRANSIT CENTER STRUCTURE GENERAL NOTES							
Design Review Committee		City Engineer Approval		Mo./Day/Yr.		Mo./Day/Yr.	
				Last Design Update <div style="border: 1px solid black; height: 40px; width: 100%;"></div>		<div style="border: 1px solid black; height: 40px; width: 100%;"></div>	
DESIGN REVIEW COMMITTEE		CITY ENGINEER		Last Design Update			
City Project No. 6323-94		Zone Map No. K14		Sheet 3		Of 16	


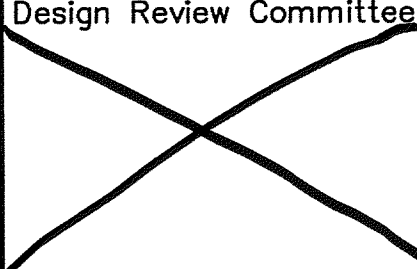
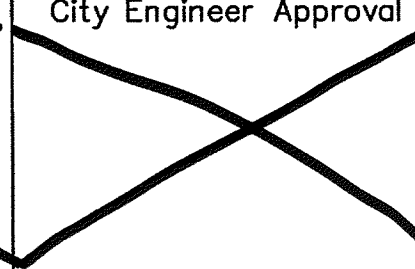
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ESTIMATED QUANTITIES (CONTRACT A)			
ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
	CONSTRUCTION SURVEY, COMPL.	LS	1
	CONSTRUCTION MOBILIZATION, COMPL.	LS	1
	CONSTRUCTION DEMOBILIZATION, COMPL.	LS	1
	MATERIALS TESTING	LS	1
6.01	PROJECT CONSTRUCTION SIGN SCREEN	EA	2
	CONSTRUCTION TRAFFIC CONTROL AND BARRICADING, COMPL.	LS	1
	INSTALLED GLASS ART	SF	445
	1/2" THICK LEXAN, (PROFESSIONAL PLASTICS, MR-10)	SF	445
	1/4" THICK LEXAN, (PROFESSIONAL PLASTICS, MR-10)	SF	445
* 541200	STRUCTURAL STEEL FOR MISCELLANEOUS STRUCTURES	LB	12800
510.111	STRUCTURAL, REINFORCED PC CONCRETE 3,000 PSI, INCL FORMWORK, CIP	CY	40
340.010g	SIDEWALK, 4" THICK, INCL. SUBGRADE COMPACTION	SY	34
343.09	EXISTING SIDEWALK, SAWCUT, REMOVE AND DISPOSE	SY	34
603.05	FILTER CLOTH, CIP	SF	58
202.010X	EXCAVATE AND DISPOSE OF UNCLASSIFIED MATERIAL, CIP	CY	63
205.01	BORROW, HAULING, GRADING & COMPACTION OF SUITABLE FILL MATERIAL, CIP	CY	47
	WATERPROOFING	SF	790
* 511500	SPECIAL SURFACE FINISH	SF	375
* 601000	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LS	1
* 533000	REPAIR OF CONCRETE STRUCTURES	SY	3
	5 GAL SHRUB	EA	24
	1 GAL GROUND COVER	EA	11
	CRUSHER FINES	SF	150
	IRRIGATION	LS	1

1. USE MANUFACTURER SPECIFIED ITEM, OR APPROVED EQUAL.
2. AN ASTERISK (*) INDICATES MATERIAL AND INSTALLATION PROCEDURES PER NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION 2007 EDITION.

ESTIMATED QUANTITIES (CONTRACT B)			
ITEM NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
	CONSTRUCTION MOBILIZATION, COMPL.	LS	1
	CONSTRUCTION DEMOBILIZATION, COMPL.	LS	1
	CONSTRUCTION TRAFFIC CONTROL AND BARRICADING, COMPL.	LS	1
424.006	ELECTRICAL CONDUIT, 2", INCL. TRENCHING, BACKFILL, PATCHING, PUSHING, BORING& JACKING, CIP	LS	40
425.002	ELECTRICAL PULL BOX (STANDARD), CIP	EA	1
* 511500	SPECIAL SURFACE FINISH	SF	20000
	PHILIPS COLORKINETICS, COLORGRAZE 4' (CAT. #123-000030-02)	EA	12
	PHILIPS COLORKINETICS, DATA ENABLER DMX (CAT. #106-000003-04)	EA	2
* 546000	RECOATING STUCTURES	LS	1
* 541200	STRUCTURAL STEEL FOR MISCELLANEOUS STRUCTURES	LB	1390
	1/4" THICK LEXAN, (PROFESSIONAL PLASTICS, MR-10)	SF	57
* 511500	SPECIAL SURFACE FINISH	SF	25000
	PHILIPS COLORKINETICS, COLORBLAST 6 (CAT. #116-000014-01)	EA	134
	PHILIPS COLORKINETICS, IPLAYER 3 & COLORPLAY (CAT. #103-000019-00)	EA	1
	PROGRAMMING (CAT.# SVC-000001-00)	EA	2
	PHILIPS COLORKINETICS, POWER DATA SOURCE (PDS60-24-V) (CAT.# 109-000017-03)	EA	34
	BETA LED (CAT.# BLD-CAN-T5-085-LED-B-UL-SV)	EA	6
* 709020	RIGID ELECTRICAL CONDUIT 2"	LF	792

1. USE MANUFACTURER SPECIFIED ITEM, OR APPROVED EQUAL.
2. AN ASTERISK (*) INDICATES MATERIAL AND INSTALLATION PROCEDURES PER NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION 2007 EDITION.

2155 LOUISIANA BLVD., NE SUITE 9000 ALBUQUERQUE, NM 87110 MAIN: (505) 830-5400 FAX: (505) 830-5454		HDR ENGINEERING INC.		ONE COMPANY <i>Many Solutions</i>	
 CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT TRANSPORTATION DEVELOPMENT DIVISION					
TITLE: CENTRAL BRIDGE CROSSING NEAR THE ALBUQUERQUE TRANSIT CENTER					
STRUCTURE GENERAL NOTES					
Design Review Committee		City Engineer Approval		Last Design Update	
				Mo./Day/Yr.	
				Mo./Day/Yr.	
				Mo./Day/Yr.	
				Mo./Day/Yr.	
				Mo./Day/Yr.	
City Project No. 6323-94		Zone Map No. K14		Sheet 4 Of 16	

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Drawing Name: P:\COA Central Underpass\13.00_CADD\13.03_Project_Submittals\3.03.01_Project_No.\Working\6323_05_P1.dwg

NOTES:
THE WORK INCLUDED IN LIGHTPOLE REFURBISHMENT INCLUDES REPAINTING.
COSTS FOR ALL WORK ASSOCIATED WITH LIGHTPOLE REFURBISHMENT SHALL
BE INCLUDED IN ITEM 546000, RECOATING STRUCTURES.

LOCATION PLAN



2155 LOUISIANA BLVD., NE
SUITE 5000
ALBUQUERQUE, NM 87110
MAIN: (505) 830-5400
FAX: (505) 830-5454

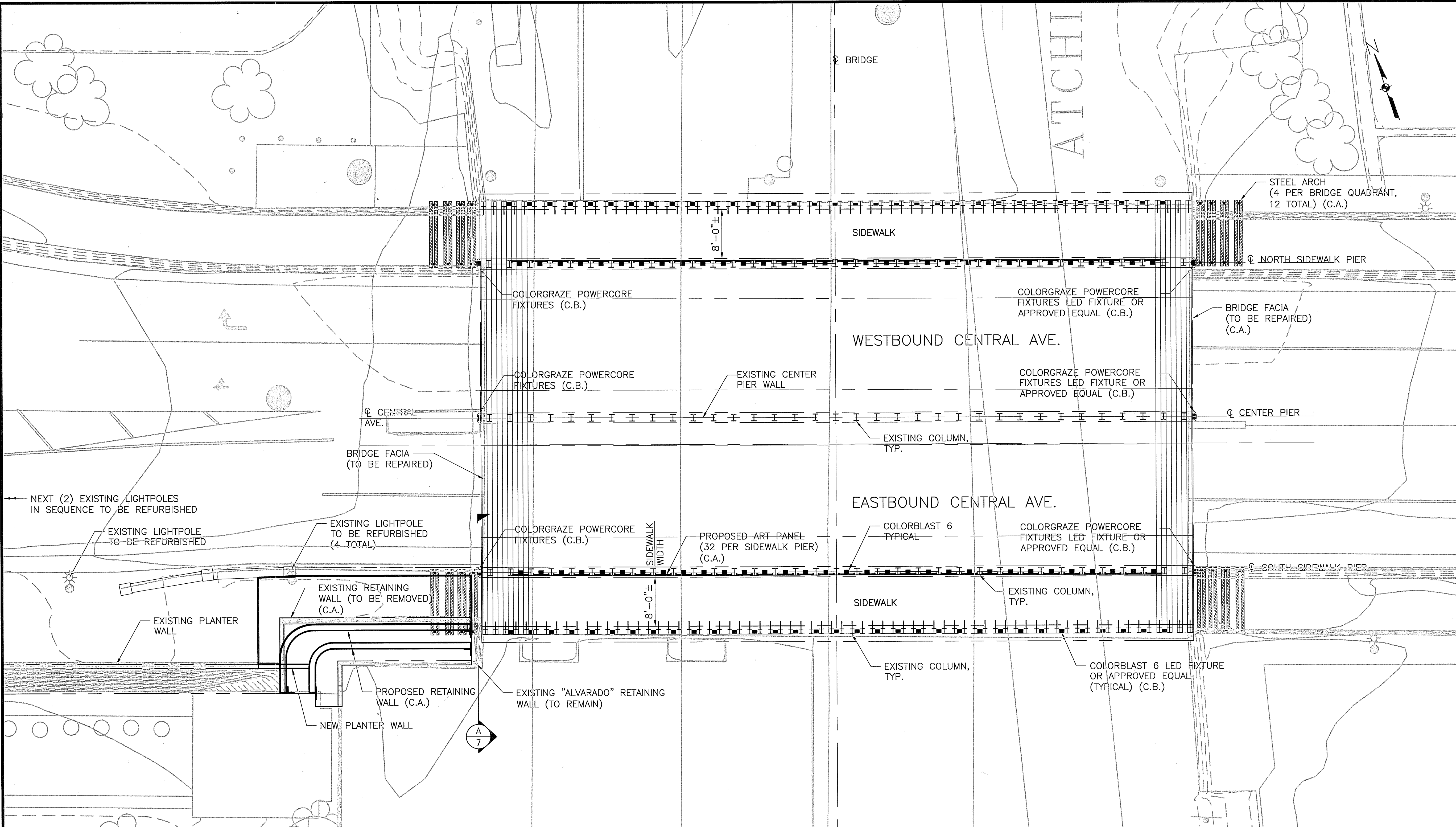
HDR ONE COMPANY
ENGINEERING INC. *Many Solutions*

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION
TITLE: **CENTRAL BRIDGE CROSSING NEAR
THE ALBUQUERQUE TRANSIT CENTER**

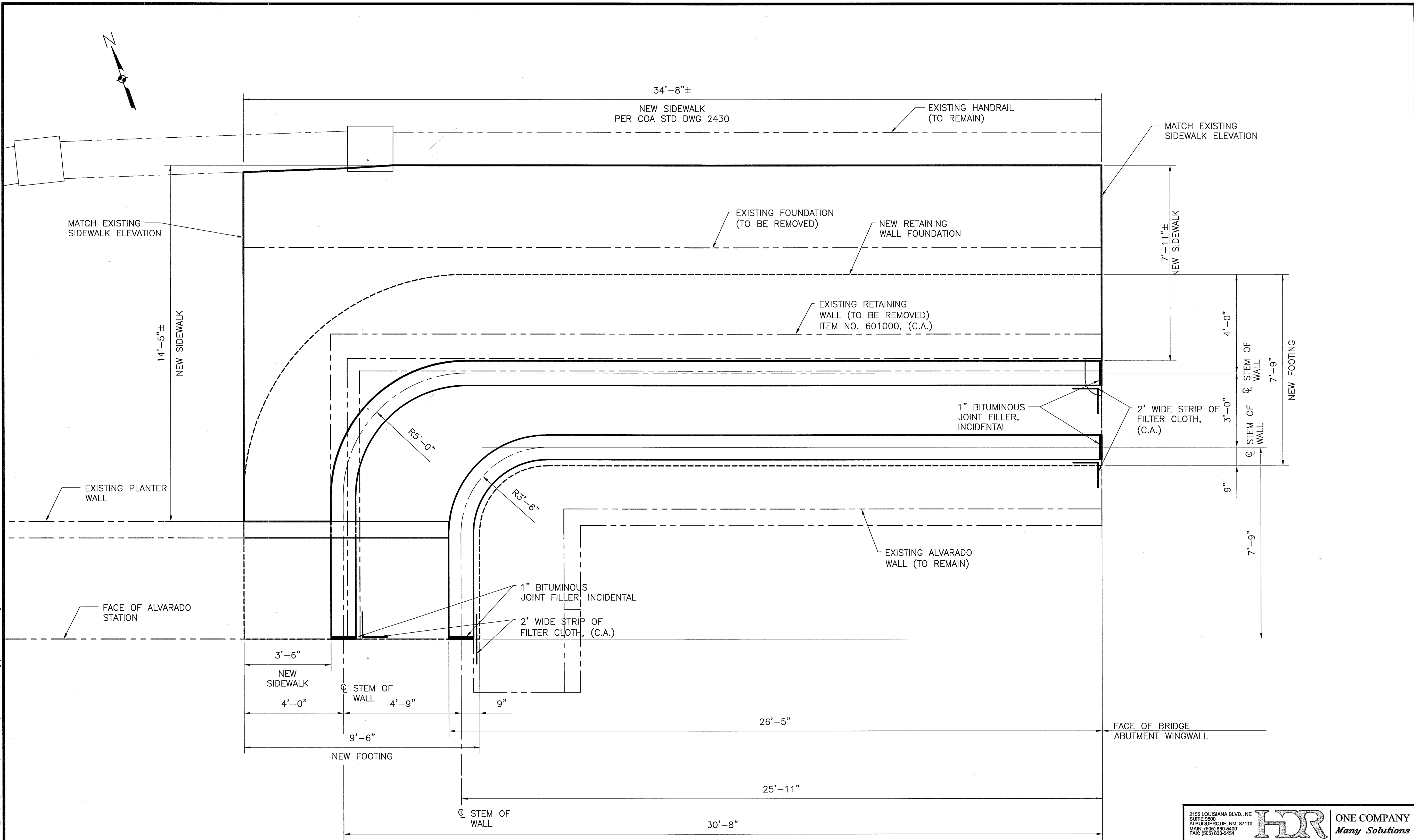
Design Review Committee		City Engineer Approval		Mo./Day/Yr.	
APPROVE JUL 01 2009 DESIGN REVIEW COMMITTEE		APPROVE JUL 02 2009 CITY ENGINEER		Mo./Day/Yr.	
City Project No. 6323-94		Zone Map No. K14		Sheet 5 of 16	



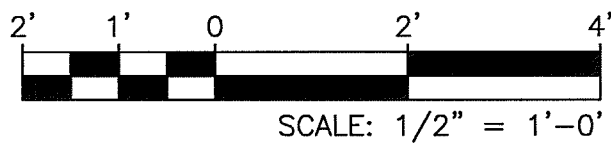
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MICRO-FILM INFORMATION					
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PLAN



2155 LOUISIANA BLVD., NE
SUITE 9500
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CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION
TITLE: **CENTRAL BRIDGE CROSSING NEAR
THE ALBUQUERQUE TRANSIT CENTER**

RETAINING WALL PLAN

Design Review Committee
APPROVED
JUL 01 2009
DESIGN REVIEW COMMITTEE

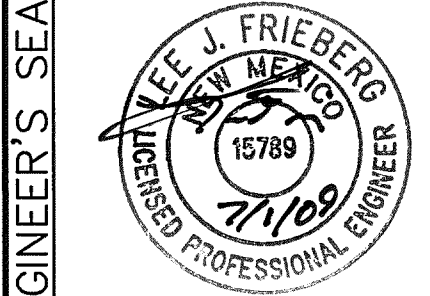
City Engineer Approval
APPROVED
JUL 02 2009
CITY ENGINEER

Mo./Day/Yr.
Mo./Day/Yr.
Last Design Update

City Project No. 6323-94

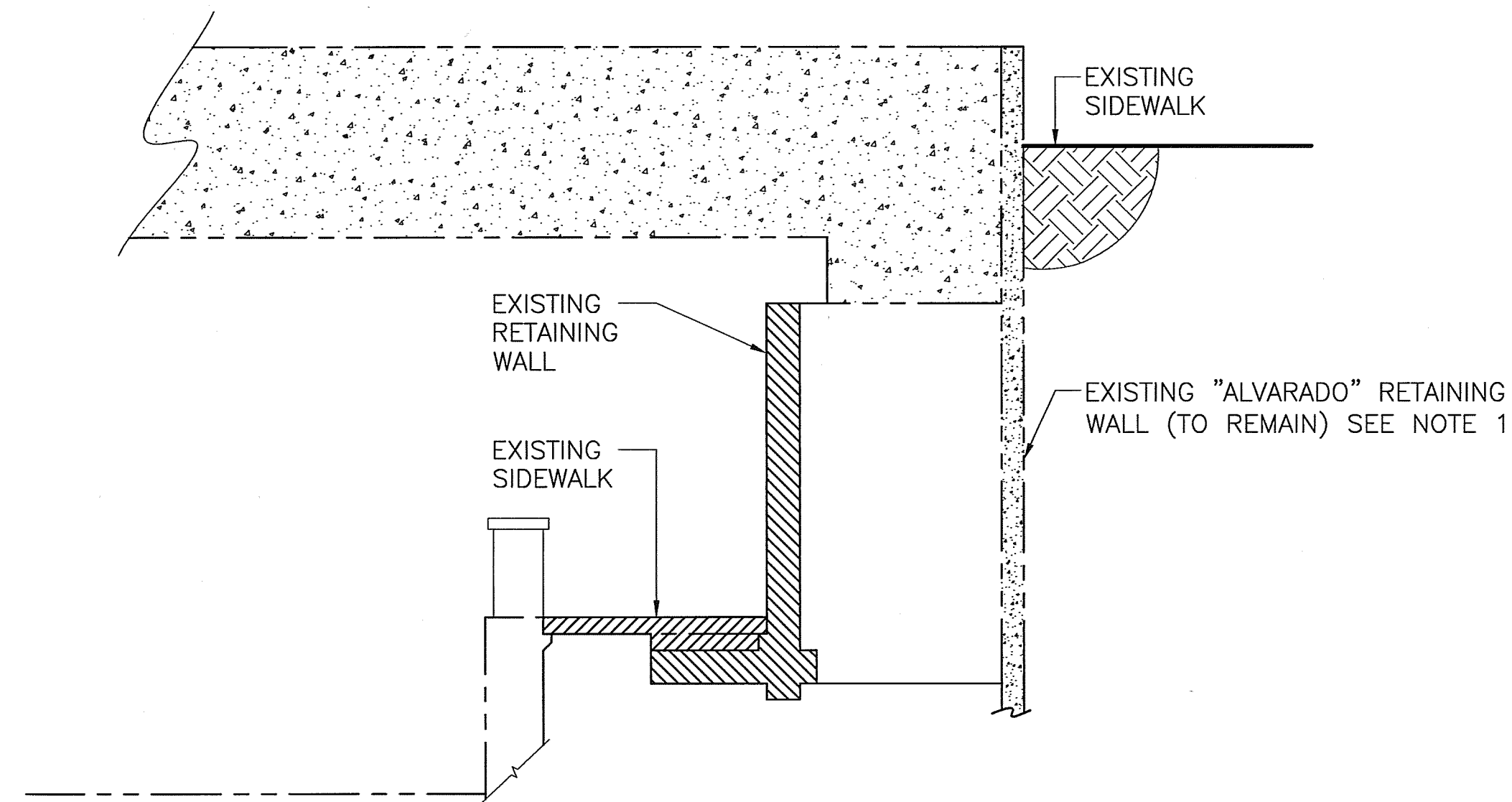
Zone Map No. K14

Sheet 6 Of 16





NO.	DATE	REVISIONS	BY
		HDR ENGINEERING INC.	
		DESIGNED BY: KRS	DATE: 4/09
		DRAWN BY: KM	DATE: 4/09
		CHECKED BY: LJF	DATE: 4/09

SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
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				ACCEPTANCE BY	DATE
				VERIFICATION BY	DATE
				DRAWINGS CORRECTED BY	DATE
				MICRO-FILM INFORMATION	
				RECORDED BY	DATE
				NO.	



LEGEND:

	SIDEWALK TO BE REMOVED
	CONCRETE TO BE REMOVED

FACE OF BRIDGE (BEYOND)

EXISTING "ALVARADO" RETAINING WALL (TO REMAIN) SEE NOTE 1

10'-8"

8'-9"

6'-1"

6'-0" ±

2'-0"

3'-6"

1'-0"

2'-0"

1'-0"

#4 @ 12"

#6 @ 12"

#5 @ 12" TYP.

NOTE 3

NOTE 2

9'-0"

WATER-PROOFING EXTENTS

SPlice

2'-0"

EL. 0 BOTTOM OF FOOTING

#6 @ 12"

#5 @ 12"

#4 @ 12"

7'-9"

7'-11" ± SIDEWALK

3'-6"

4"

1'-0" 1'-3" 1'-0" MIN

EXISTING HANDRAIL TO REMAIN

EXISTING FOOTING

SECTION A 5

SCALE: 1/2" = 1'-0"

Diagram illustrating the cross-section of a bridge abutment wingwall. The diagram shows the profile of the wingwall, including the top of the sidewalk, the top of the wall, and the existing planter wall. Key dimensions and elevations are provided:

- FACE OF BRIDGE ABUTMENT WINGWALL
- Horizontal dimensions: 34'-8", 31'-2", 26'-5", 3'-6", 8'-3"
- Vertical dimensions: 2'-7", 3'-6", 2'-8", 1'-11", 3'-5"
- Elevations: EL. 10.67 (TOP OF WALL), EL. 8.08 ± (EXISTING PLANTER WALL), EL. 5.83 (TOP OF WALL), EL. 2.25, EL. 1.25 (TOP OF FOOTING), EL. 0 (BOTTOM OF FOOTING)
- Labels: TOP OF SIDEWALK, NEW PLANTER WALL, EXISTING PLANTER WALL

8'-3"

NEW PLANTER WALL


EXISTING PLANTER WALL

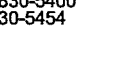
#5 @ 12"
E.W., E.F.

DOWEL @ 2'-0"
#5 BAR 1'-0"
INTO EXISTING
PLANTER WALL
USE HILTI HY-1
OR APPROVED
EQUAL

NOTES:

1. PRIOR TO CONSTRUCTION THE "ALVARADO" RETAINING WALL MUST BE BRACED IN A MANNER NOT TO DAMAGE THE EXISTING STUCCO FINISH. THE BRACING MUST REMAIN IN PLACE UNTIL THE NEW RETAINING WALL IS IN PLACE, BACKFILLED, AND COMPACTED.
2. BACKFILL SHALL BE COMPACTED TO 95% STANDARD PROCTOR DENSITY WITH AASHTO A-1-a MATERIAL (MAXIMUM COURSE FRACTION SIZE 1 1/2 IN.) VOLUME TO BE PAID FOR UNDER NO. ITEM 205.01. USE ONLY LIGHTWEIGHT COMPACTION EQUIPMENT. PLACE AND COMPACT BACKFILL ONLY AFTER CONCRETE HAS REACHED DESIGN STRENGTH.
3. PLACE TOP SOIL TO WITHIN 6" OF TOP OF WALL. VOLUME TO BE PAID FOR UNDER ITEM 205.01.
4. REPLACE DISTURBED SIDEWALK SUBGRADE. COMPACT TO 95% OF T 180. COST IS INCIDENTAL TO SIDEWALK INSTALLATION.

2155 LOUISIANA BLVD., NE SUITE 800 ALBUQUERQUE, NM 87110 MAIN: (505) 830-5400 FAX: (505) 830-5454	 HDR ENGINEERING INC.	ONE COMPANY <i>Many Solutions</i>	NO.	DA	DESIGNED BY	DRAWN BY	CHECKED BY
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CITY OF ALBUQUERQUE

MUNICIPAL DEVELOPMENT DEPARTMENT

TRANSPORTATION DEVELOPMENT DIVISION

TITLE: **CENTRAL BRIDGE CROSSING NEAR**

THE ALBUQUERQUE TRANSIT CENTER

RETAINING WALL DETAILS

Design Review Committee

APPROVED

JUL 01 2009

DESIGN
REVIEW COMMITTEE

City Engineer Approval

APPROVED

JUL 02 2009

CITY ENGINEER

Least Design Update

Mo./Day/Yr.

City Project No. 6323-94

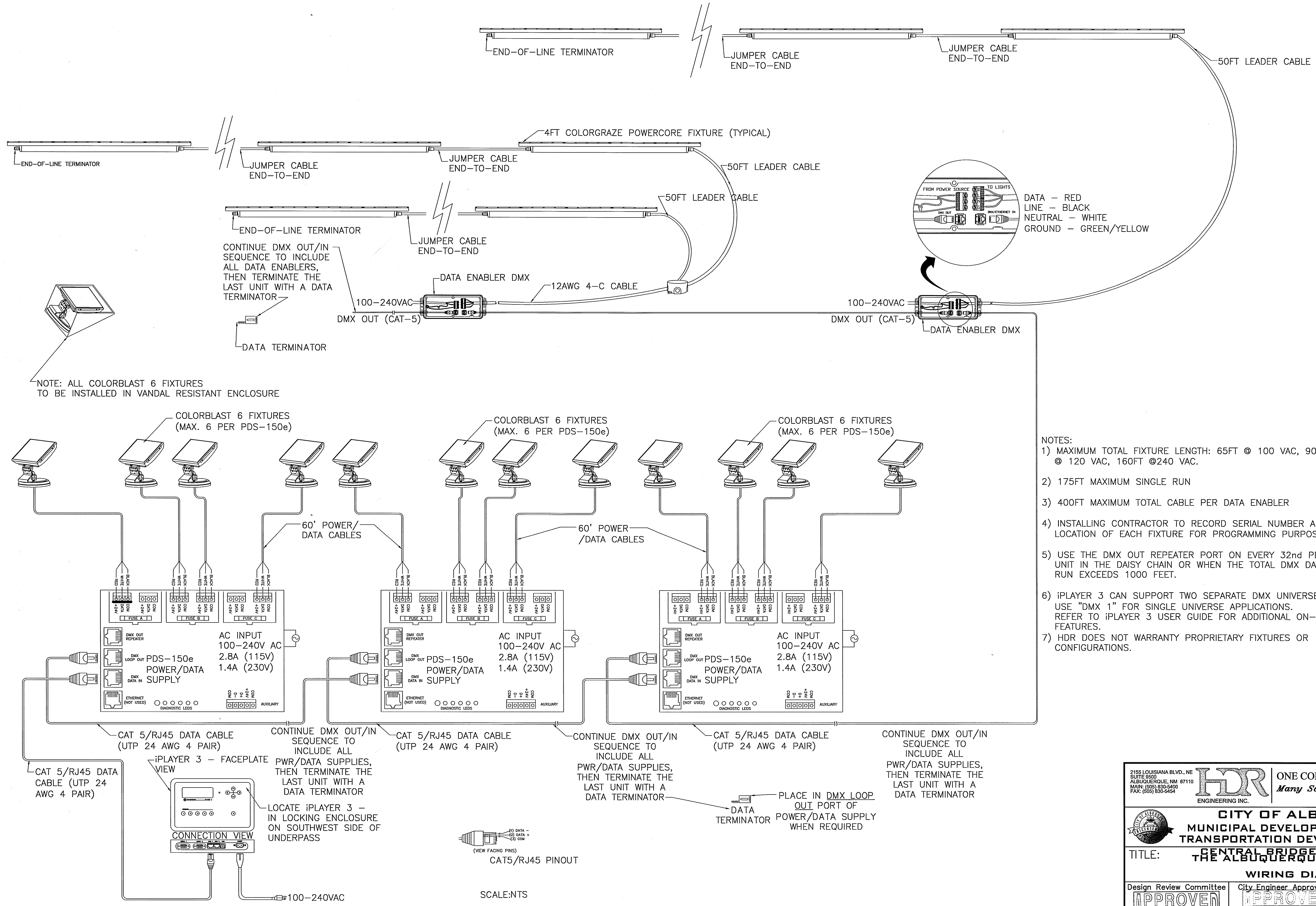
Zone Map No. K14

Sheet 7 Of 16



b.	Sheet	Of
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- NOTES:
- 1) MAXIMUM TOTAL FIXTURE LENGTH: 65FT @ 100 VAC, 90FT @ 120 VAC, 160FT @240 VAC.
 - 2) 175FT MAXIMUM SINGLE RUN
 - 3) 400FT MAXIMUM TOTAL CABLE PER DATA ENABLER
 - 4) INSTALLING CONTRACTOR TO RECORD SERIAL NUMBER AND LOCATION OF EACH FIXTURE FOR PROGRAMMING PURPOSES.
 - 5) USE THE DMX OUT REPEATER PORT ON EVERY 32nd PDS UNIT IN THE DAISY CHAIN OR WHEN THE TOTAL DMX DATA RUN EXCEEDS 1000 FEET.
 - 6) iPLAYER 3 CAN SUPPORT TWO SEPARATE DMX UNIVERSES. USE "DMX 1" FOR SINGLE UNIVERSE APPLICATIONS. REFER TO iPLAYER 3 USER GUIDE FOR ADDITIONAL ON-BOARD FEATURES.
 - 7) HDR DOES NOT WARRANTY PROPRIETARY FIXTURES OR CONFIGURATIONS.

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HDR
ENGINEERING INC.

ONE COMPANY
Many Solutions

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE:
CENTRAL BRIDGE CROSSING NEAR
THE ALBUQUERQUE TRANSIT CENTER

WIRING DIAGRAM

Design Review Committee
APPROVE
JUL 01 2009
DESIGN REVIEW COMMITTEE

City Engineer Approval
APPROVE
JUL 02 2009
CITY ENGINEER

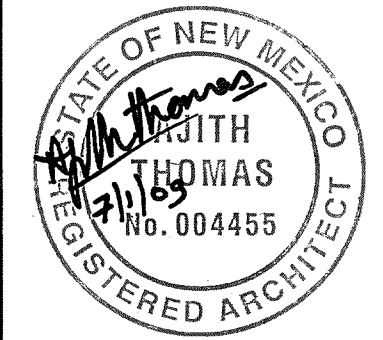
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City Project No. 6323-94

Zone Map No. K14

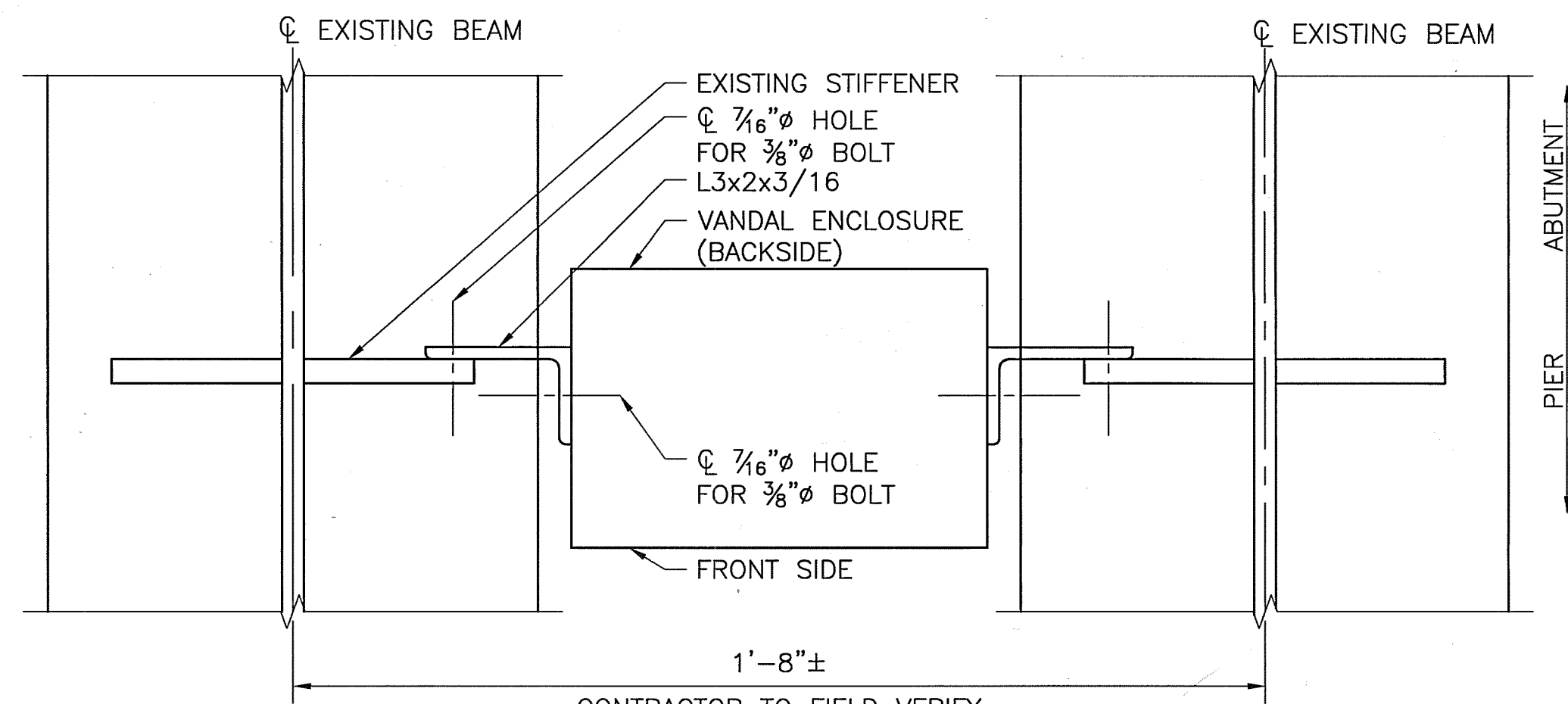
Sheet 9 Of 16

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STAMPED BY	DATE						
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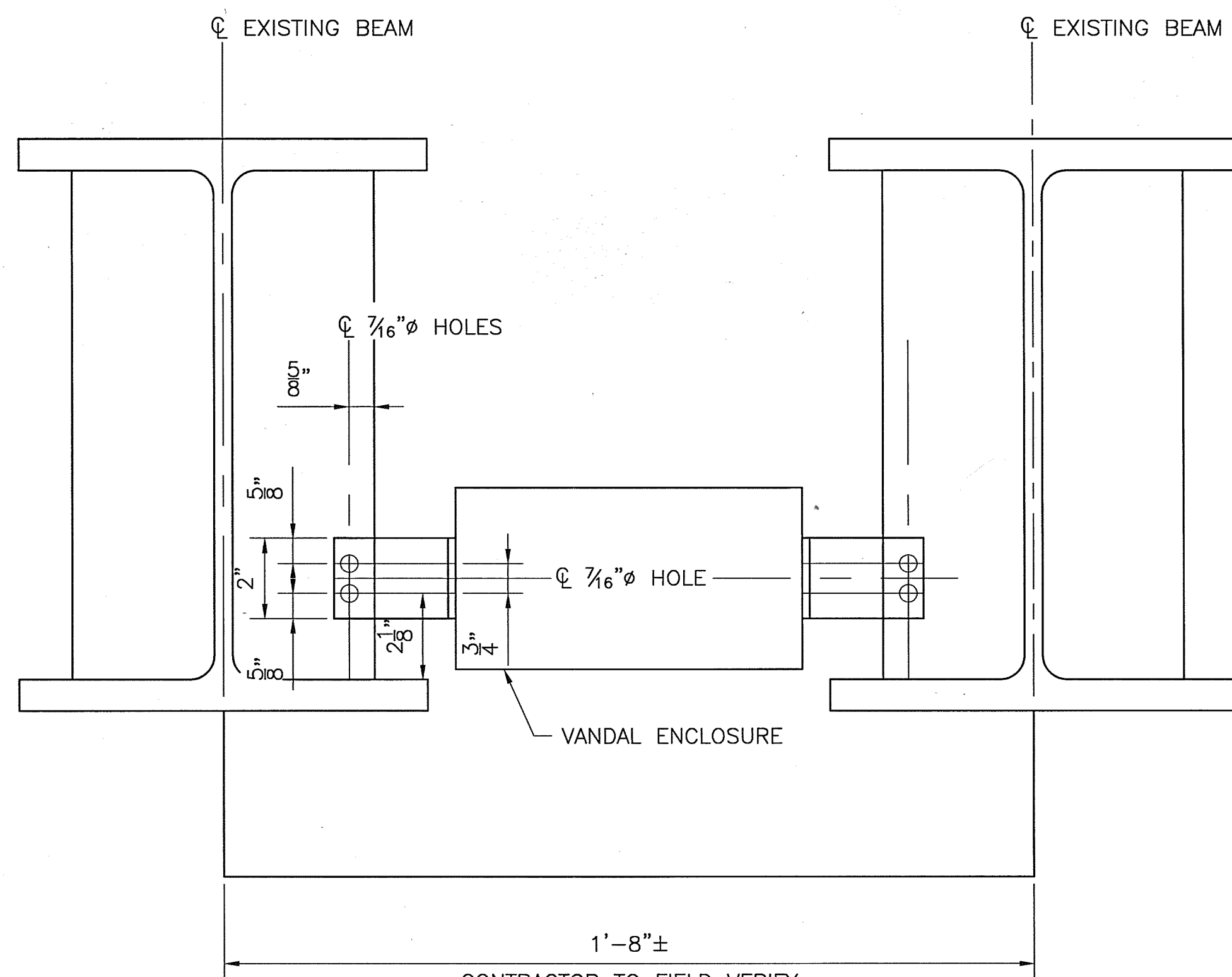


REMARKS	BY
REVISIONS	
HDR ENGINEERING INC.	
DESIGNED BY: AJ	DATE: 4/09
DRAWN BY: KM	DATE: 4/09
CHECKED BY: RL	DATE: 4/09

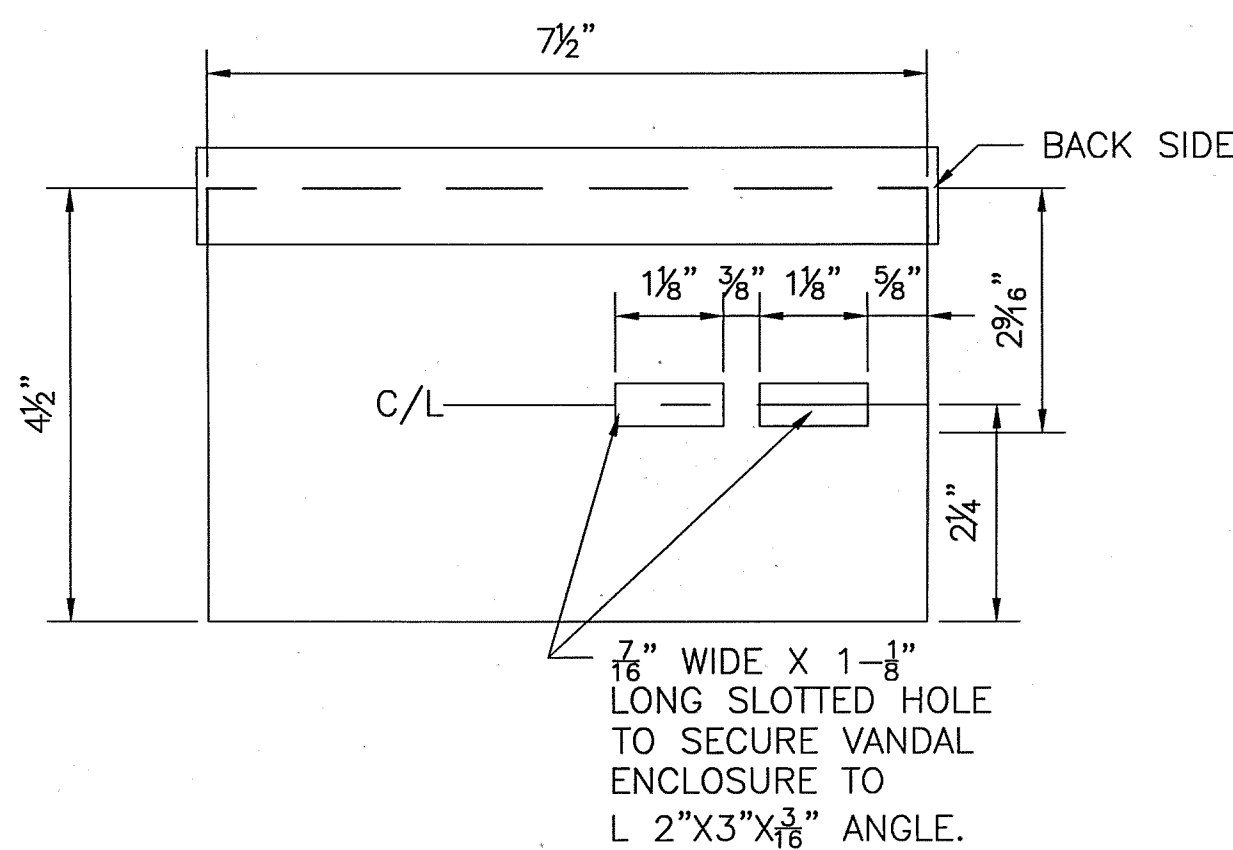
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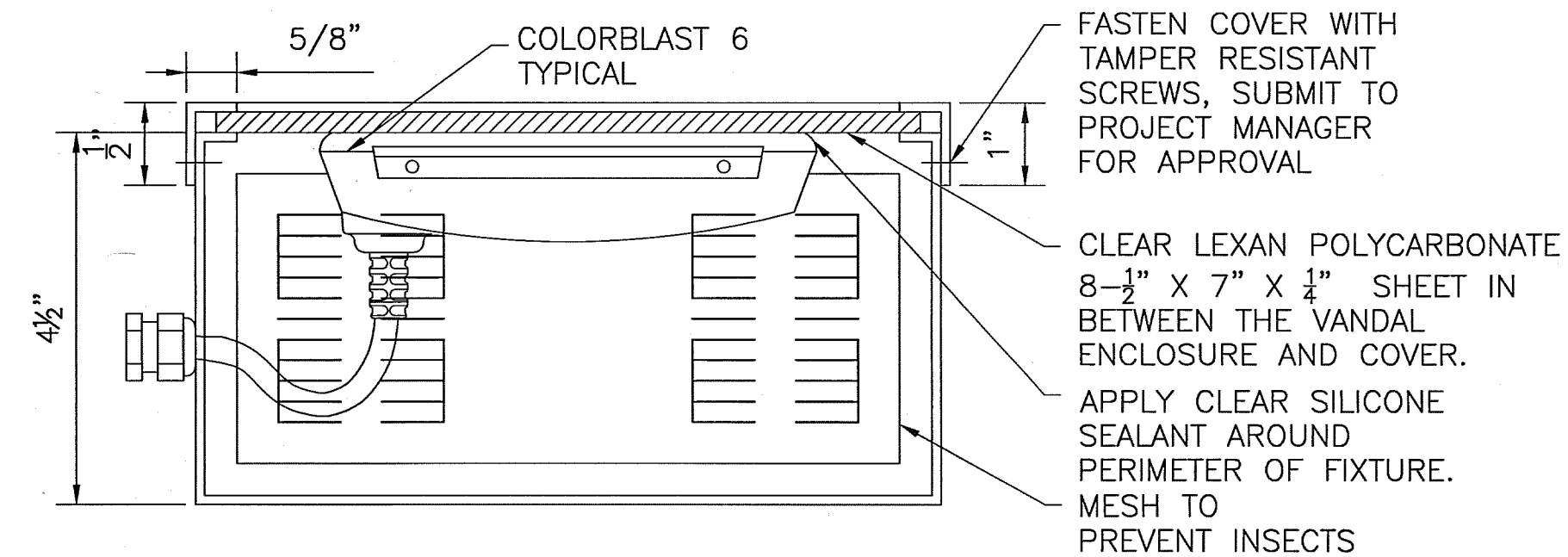
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PLAN
TOP FLANGE NOT SHOWN FOR CLARITY



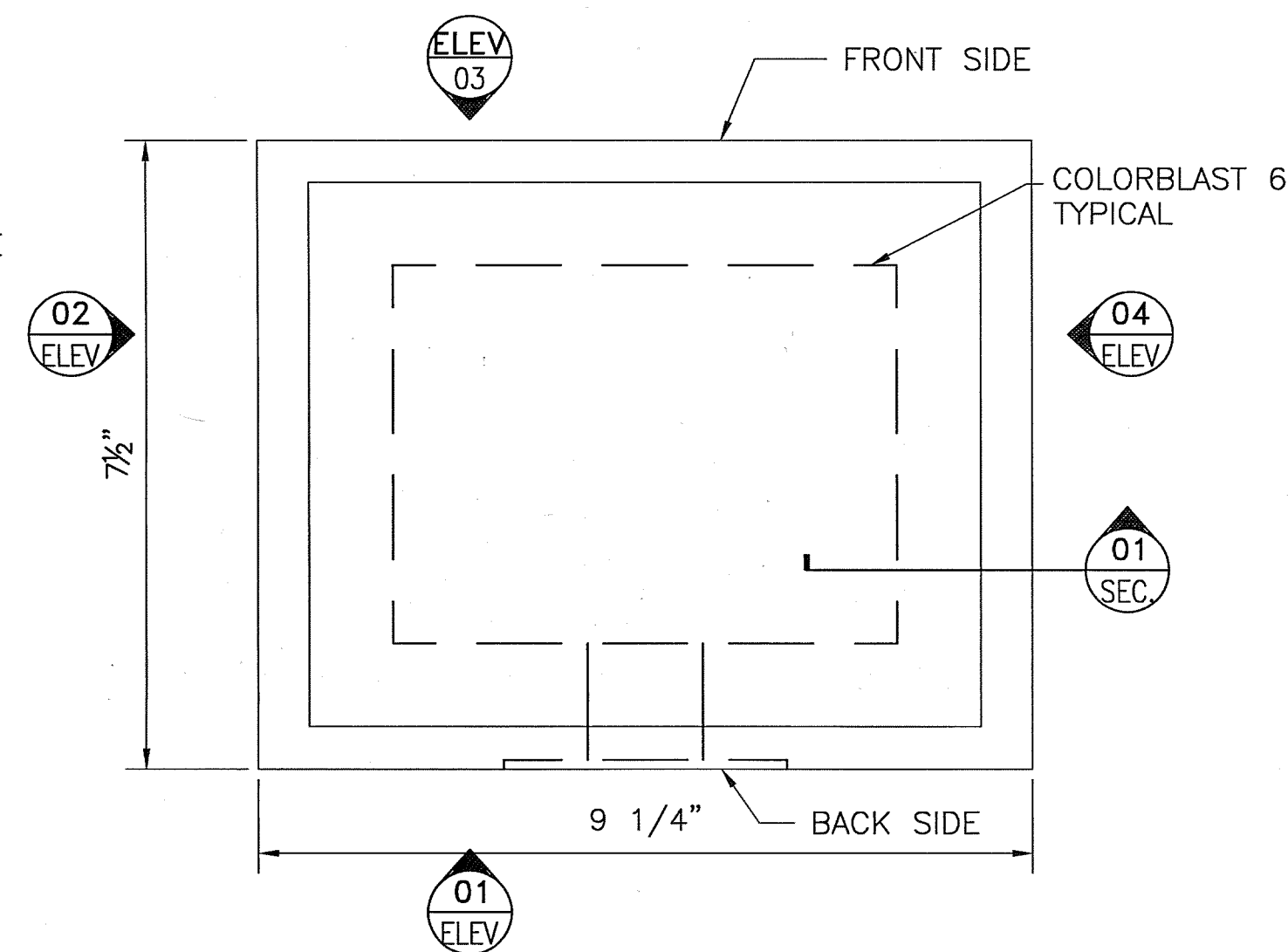
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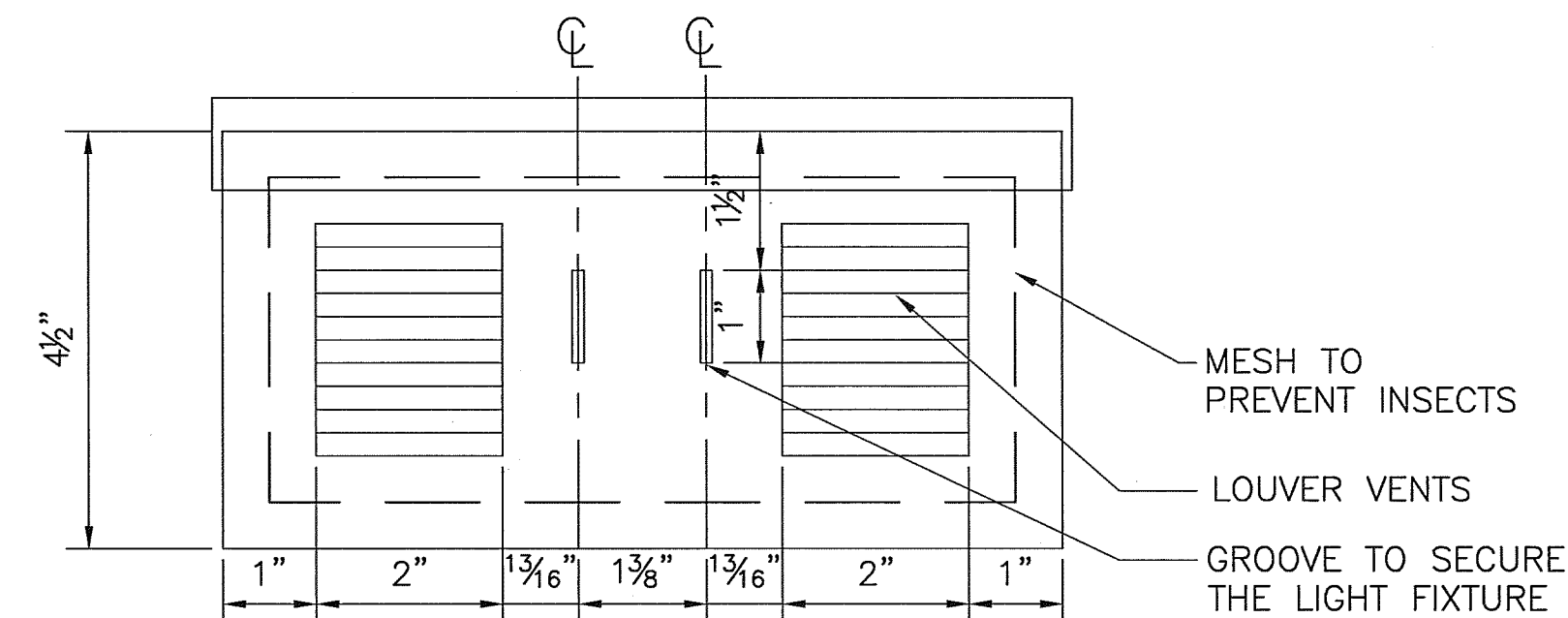
ELEVATION 02 AND 04



SECTION 01



PLAN



BACKSIDE ELEVATION

- NOTES:
1. ALL DIMENSIONS ARE OUT TO OUT UNO.
 2. CONTRACTOR MAY SUBMIT ALTERNATE DESIGN FOR APPROVAL BY PROJECT MANAGER.
 3. CONTRACTOR TO SUBMIT SHOP PLANS TO PROJECT MANAGER FOR APPROVAL PRIOR TO FABRICATION.
 4. VANDAL ENCLOSURE SHALL BE FABRICATED OF 11 GAUGE ASTM A36 STEEL.
 5. ALL COSTS ASSOCIATED WITH HARDWARE, INSECT MESH AND SILICONE SEALANT SHALL BE CONSIDERED INCIDENTAL TO ITEM 541200, STRUCTURAL STEEL FOR MISCELLANEOUS STRUCTURES AND WILL NOT BE PAID FOR DIRECTLY.
 6. ALL NEW STEEL SHALL BE COATED PER SECTION 541 OF THE NEW MEXICO STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION SECTION 541.

2155 LOUISIANA BLVD., NE
SUITE 9500
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HDR ONE COMPANY
ENGINEERING INC. *Many Solutions*

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION
TITLE: **CENTRAL BRIDGE CROSSING NEAR
THE ALBUQUERQUE TRANSIT CENTER**

LIGHTING DETAILS

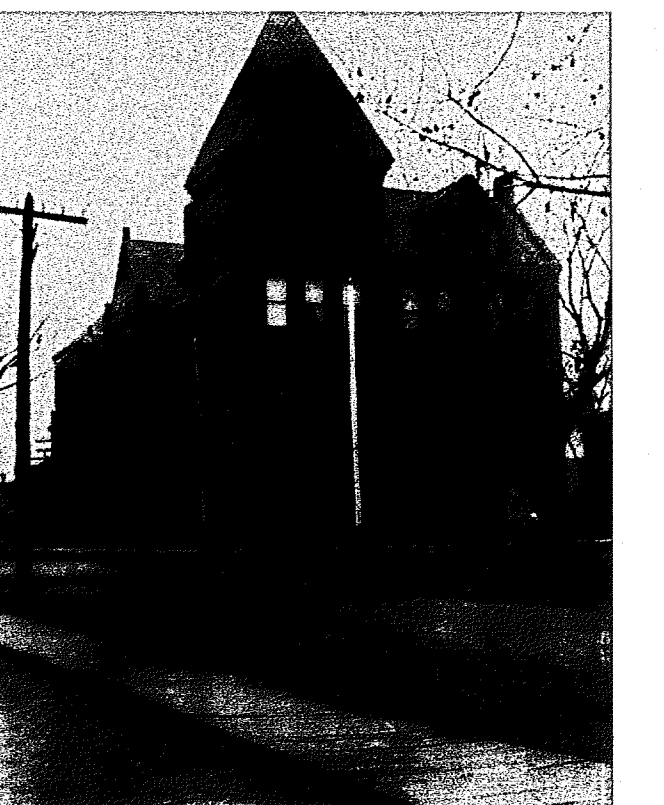
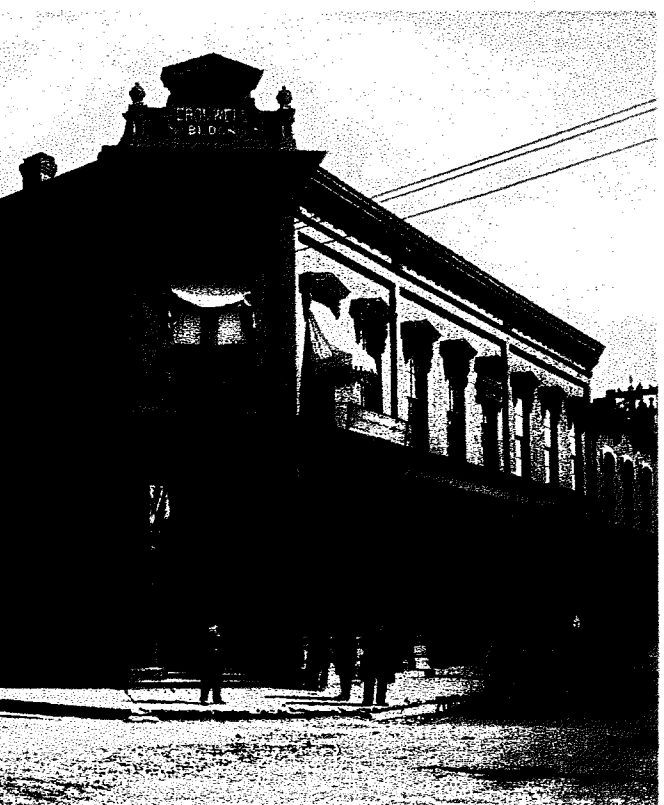
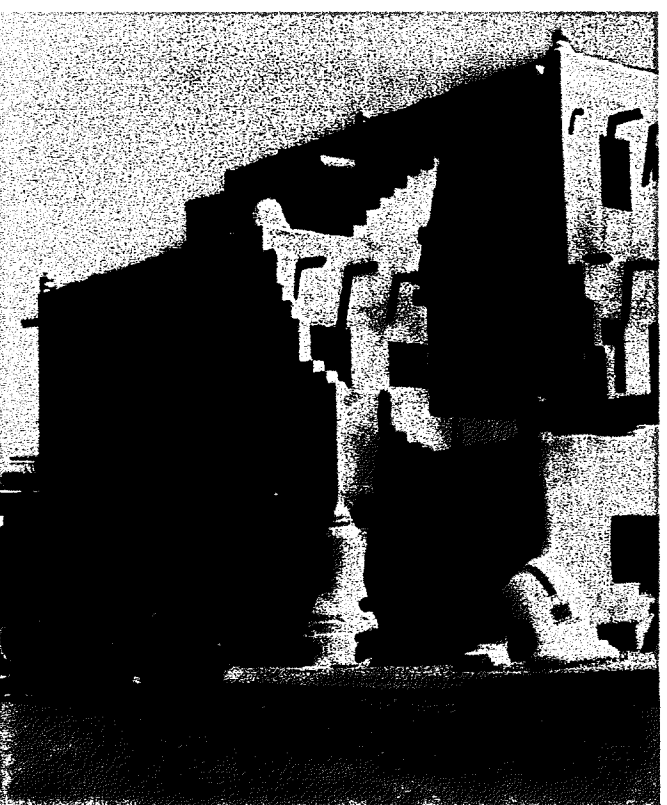
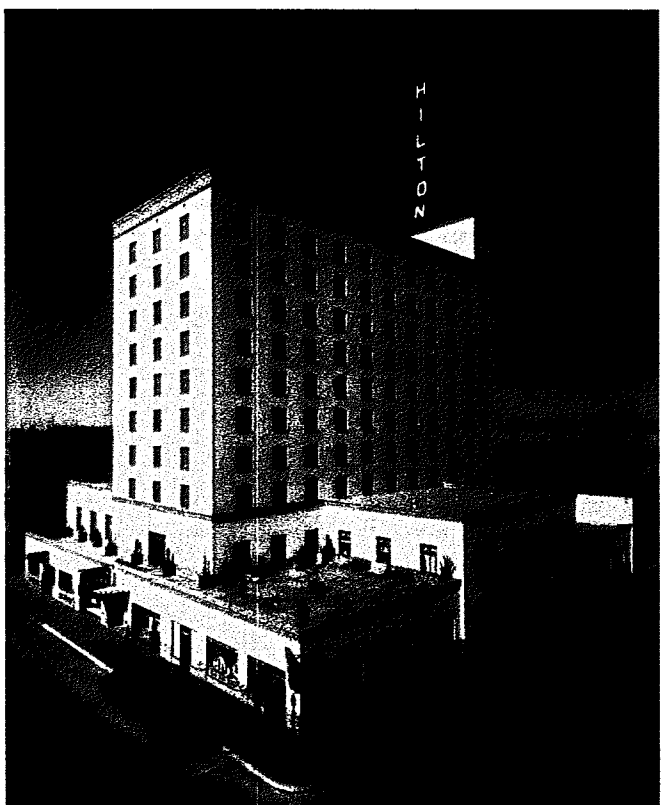
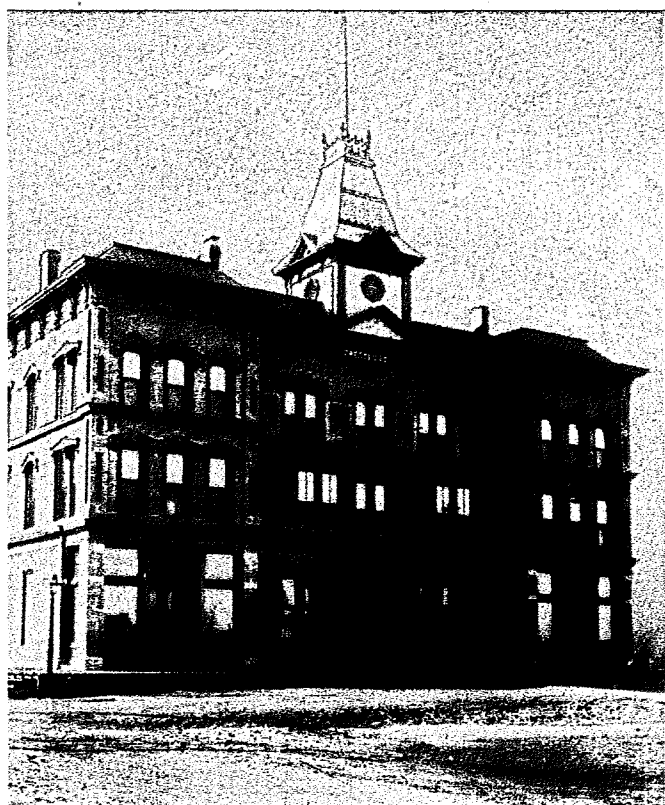
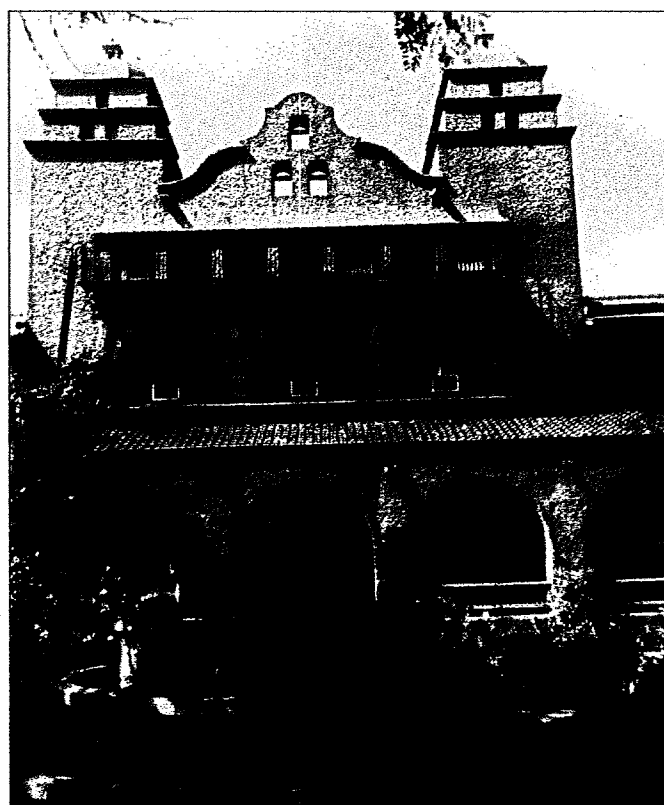
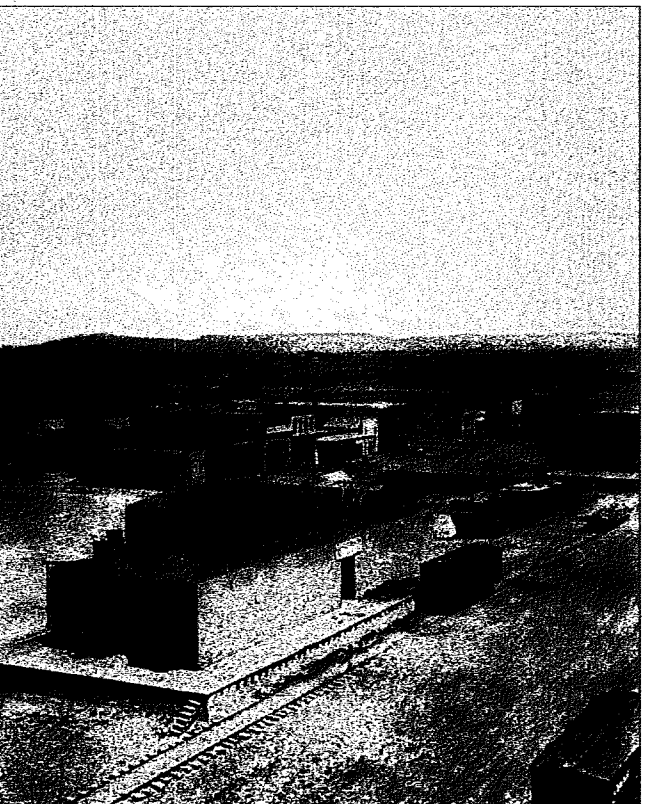
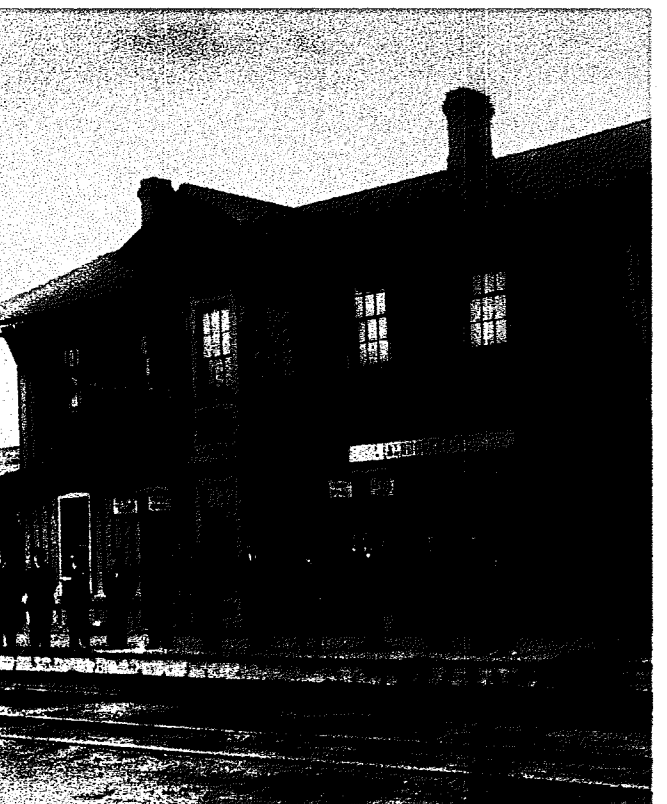
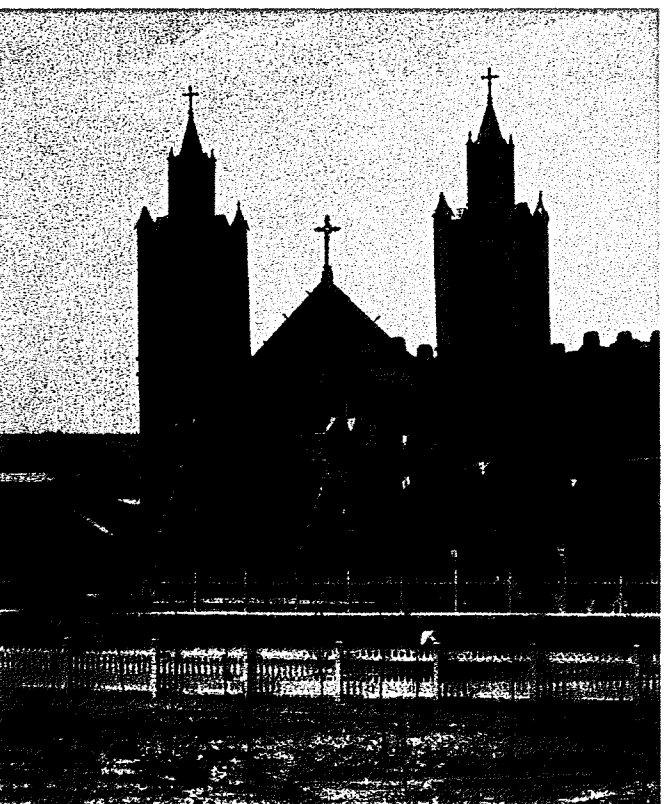
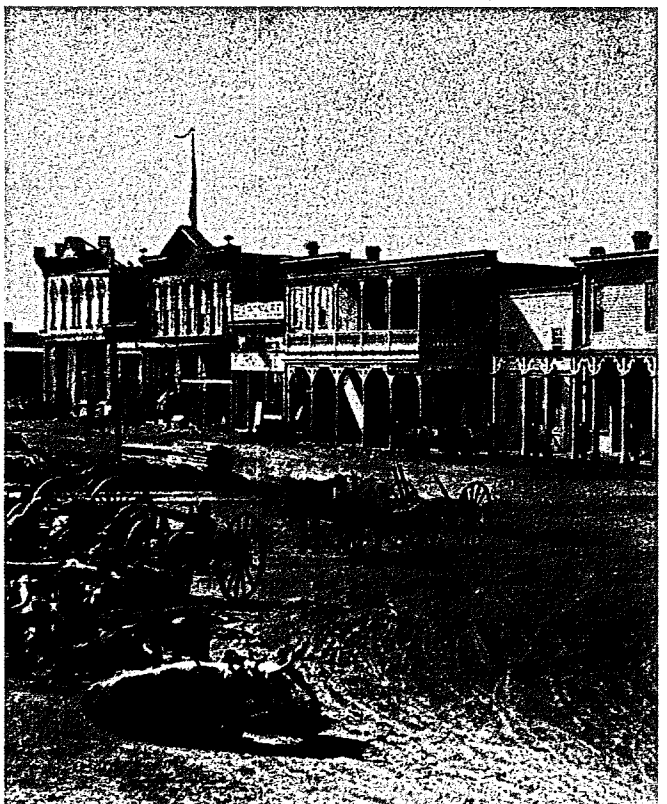
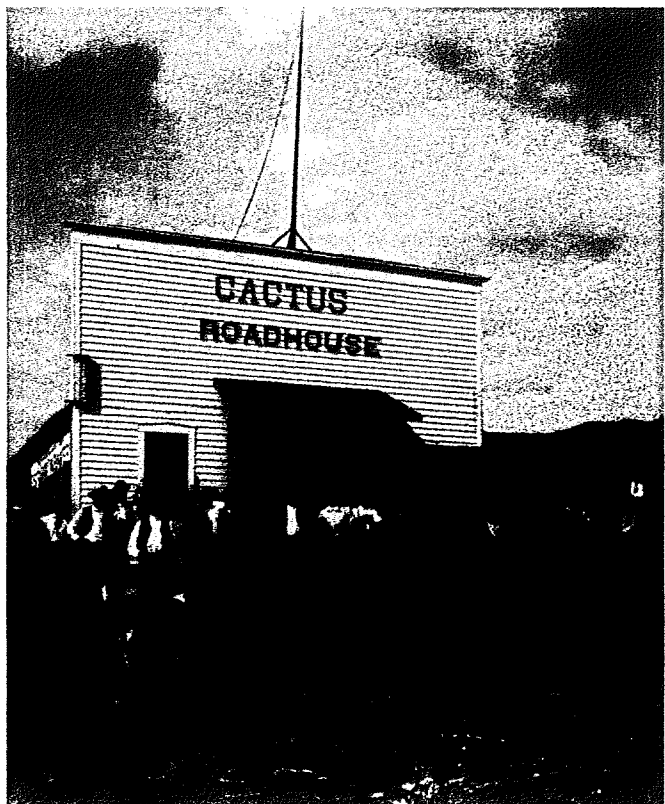
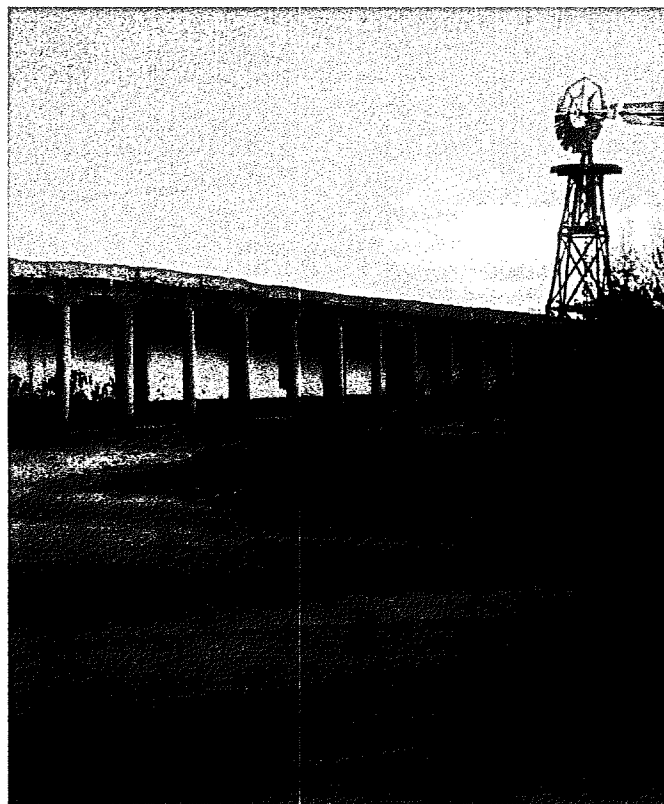
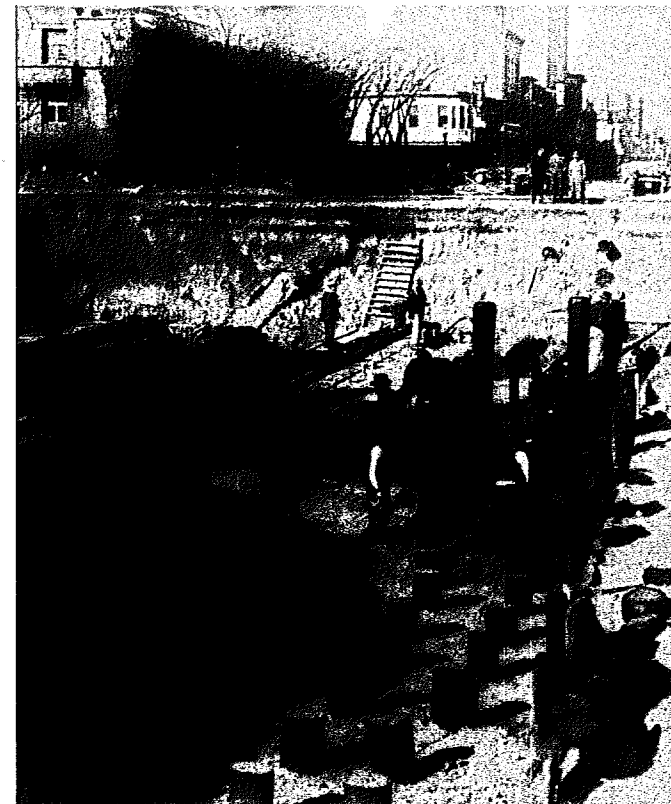
Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED JUL 01 2009 DESIGN REVIEW COMMITTEE	APPROVED JUL 02 2009 CITY ENGINEER		
City Project No. 6323-94	Zone Map No. K14	Sheet 10	Of 16

SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
FIELD NOTES					
NO.	BY	DATE		CONTRACTOR	DATE
				WORK	
				STAKED BY	DATE
				INSPECTED BY	DATE
				ACCEPTANCE BY	DATE
				FIELD	
				VERIFICATION BY	DATE
				DRAWINGS	
				CORRECTED BY	DATE
MICRO-FILM INFORMATION					
				RECORDED BY	DATE
				NO.	



REVISIONS	BY	DATE
NO. DATE	REMARKS	DATE
DESIGNED BY: AJ	HDR ENGINEERING INC.	DATE: 4/09
DRAWN BY: KM		DATE: 4/09
CHECKED BY: LJF		DATE: 4/09

Date: Jul 01, 2009 - 10:31am b10res Layout: 7651P301
Drawing Name: P:\COA\Central Underpass\13.00_CADD\13.03_Submittals\13.03.01_Project_No.1\Working\6323-11_AP.dwg



DECORATIVE GLASS IMAGE SPECIFICATIONS

- LAMINATED GLASS WITH DUPONT™ SENTRYGLAS®
EXPRESSIONS™ INTERLAYER
PART 1 - GENERAL
- 1.1 SECTION INCLUDES
- A. LAMINATED GLASS
- 1.2 REFERENCES
- A. ASTM INTERNATIONAL
1. ASTM C 1036 SPECIFICATION FOR FLAT GLASS
2. ASTM C 1048 SPECIFICATION FOR HEAT-TREATED FLAT GLASS—KIND HS, KIND FT COATED AND UNCOATED GLASS
3. ASTM C 1172 SPECIFICATION FOR LAMINATED ARCHITECTURAL FLAT GLASS
4. ASTM C 1376 SPECIFICATION FOR PYROLYTIC AND VACUUM DEPOSITION COATINGS ON GLASS
5. ASTM C 1464 STANDARD SPECIFICATION FOR BENT GLASS
6. ASTM E 1300 PRACTICE FOR DETERMINING LOAD RESISTANCE OF GLASS IN BUILDINGS
- B. AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)
1. ANSI Z97.1-2004 GLAZING MATERIALS USED IN BUILDINGS—SAFETY PERFORMANCE SPECIFICATIONS AND METHODS OF TEST
- C. AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE)
1. ASCE 7-98 MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES
- D. CONSUMER PRODUCT SAFETY STANDARD (CPSC) 16 CFR 1201: SAFETY STANDARD FOR ARCHITECTURAL GLAZING MATERIALS
- E. GLASS ASSOCIATION OF NORTH AMERICA (GANA)
1. GANA GLAZING MANUAL
2. GANA LAMINATED GLAZING REFERENCE MANUAL
3. BULLETIN 01-0300 - PROPER PROCEDURES FOR CLEANING ARCHITECTURAL GLASS PRODUCTS
- 1.3 SUBMITTALS
- A. PRODUCT DATA: SUBMIT MANUFACTURERS CURRENT PRODUCT LITERATURE FOR EACH GLAZING COMPONENT, INCLUDING LAMINATED GLASS INTERLAYER.
- B. SAMPLES
1. PROVIDE [12-INCH SQUARE] SAMPLE OF DECORATIVE GLAZING.
- C. QUALITY ASSURANCE SUBMITTALS
1. PROVIDE TEST REPORTS INDICATING PRODUCTS MEET OR EXCEED SPECIFIED REQUIREMENTS.
2. COMPATIBILITY TEST REPORT: FROM SEALANT MANUFACTURER, INDICATING SEALANT COMPATIBILITY WITH INTERLAYER.
- D. CLOSEOUT SUBMITTALS

1. WARRANTY: SUBMIT FABRICATOR'S WARRANTY

- 1.4 QUALITY ASSURANCE
- LAMINATOR QUALIFICATIONS: LAMINATORS TRAINED BY THE INTERLAYER MANUFACTURER IN BEST PRACTICES. CONTACT DUPONT FOR A CURRENT LIST OF AUTHORIZED LAMINATORS.
- 1.5 STORAGE AND PROTECTION
- A. STORE LAMINATED GLASS ACCORDING TO FABRICATOR'S WRITTEN INSTRUCTIONS.
- B. PROTECT LAMINATED GLASS FROM CONDENSATION, TEMPERATURE CHANGES, DIRECT EXPOSURE TO SUN.
- 1.6 WARRANTY
- A. SPECIAL WARRANTY:
1. PROVIDE 5-YEAR LIMITED WARRANTY SIGNED BY THE LAMINATOR AGAINST DELAMINATION FROM DATE OF SUBSTANTIAL COMPLETION.
2. PROVIDE 5-YEAR LIMITED WARRANTY AGAINST FADING FROM THE DATE OF SUBSTANTIAL COMPLETION.
- PART 2 - PRODUCTS
- 2.1 LAMINATED GLASS
- A. KIND: [LAMINATED ANNEALED]
- B. EDGEWORK: [SEAMED - TO REMOVE SHARP EDGES]
- C. OVERALL NOMINAL THICKNESS: [12.0 MM]
- D. GLASS SHALL MEET PULP STUDIO PERFORMANCE SPECIFICATION "SGX" FOR INTERIOR/EXTERIOR USE, UV PROTECTED USING AUTOMOTIVE-GRADE PIGMENTS.
- 2.2 COMPONENTS
- A. ALL GLASS SHALL BE LOW IRON
- B. GLASS
1. OUTBOARD LITE
- a. TYPE: [ANNEALED]
- b. THICKNESS: [6.0 MM]
- c. CLASS: [CLEAR 1 - CLEAR]
2. INBOARD LITE
- a. TYPE: [ANNEALED]
- b. THICKNESS: [6.0 MM]

- c. CLASS: [CLASS 1 - CLEAR]

C. INTERLAYER:

1. BASIS OF DESIGN: SENTRYGLAS® EXPRESSIONS™, AS MANUFACTURED BY A LICENSED MANUFACTURER. FOR A LIST OF LICENSEES PLEASE REFERENCE SENTRYGLAS.DUPONT.COM
- a. THICKNESS: [0.045 INCH]
- b. BACKER: [NONE]
- c. IMAGE: GRAPHIC IMAGE SHALL BE COORDINATED WITH THE SENTRYGLAS® EXPRESSIONS™ LICENSEE DESIGN TEAM. THE CITY OF ALBUQUERQUE WILL PROVIDE 32 IMAGES IN DIGITAL FORMAT.
- 2.3 FABRICATION
- A. FABRICATE LAMINATED GLASS TO PRODUCE GLASS FREE OF FOREIGN SUBSTANCES AND AIR OR GLASS POCKETS.
- PART 3 - EXECUTION
- 3.1 INSTALLATION
- A. INSTALL LAMINATED GLASS PANELS IN PROTECTIVE FRAME AS SHOWN ON THE DRAWINGS. INSTALL PROTECTIVE FRAMES BETWEEN EXISTING COLUMNS WITH IMAGES LOCATED AS DIRECTED BY THE PROJECT MANAGER.
- B. LAMINATED GLASS INSTALLATION: INSTALL IN ACCORDANCE WITH RECOMMENDATIONS OF THE GANA GLAZING MANUAL AND GANA LAMINATED GLAZING REFERENCE MANUAL.
- 3.2 CLEANING
- A. CLEAN LAMINATED GLAZING MATERIALS IN ACCORDANCE WITH GANA BULLETIN 01-0300.
- 3.3 PROTECTION
- A. PROTECT LAMINATED GLAZING IN ACCORDANCE WITH GANA GLAZING MANUAL.
- END OF SECTION

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ALBUQUERQUE, NM 87110
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FAX: (505) 830-5454

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CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: **CENTRAL BRIDGE CROSSING NEAR
THE ALBUQUERQUE TRANSIT CENTER**

ART PANELS 1

Design Review Committee
APPROVED
JUL 01 2009
DESIGN
REVIEW COMMITTEE

City Engineer Approval
APPROVE
JUL 02 2009
CITY ENGINEER

City Project No. **6323-94**

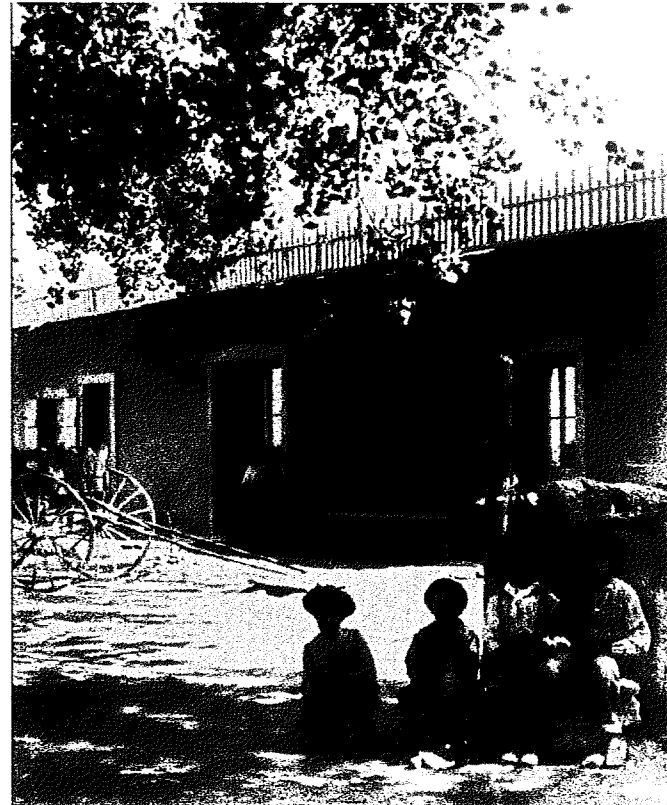
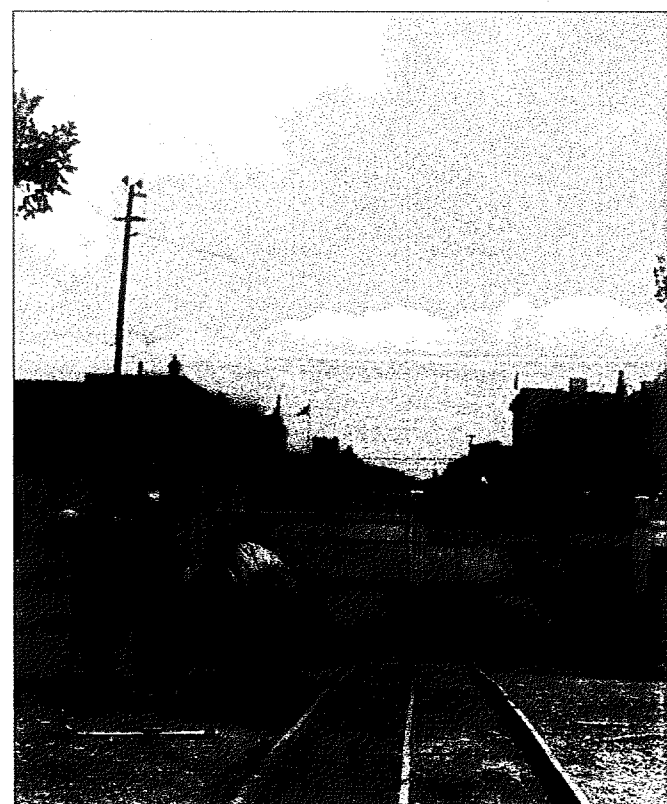
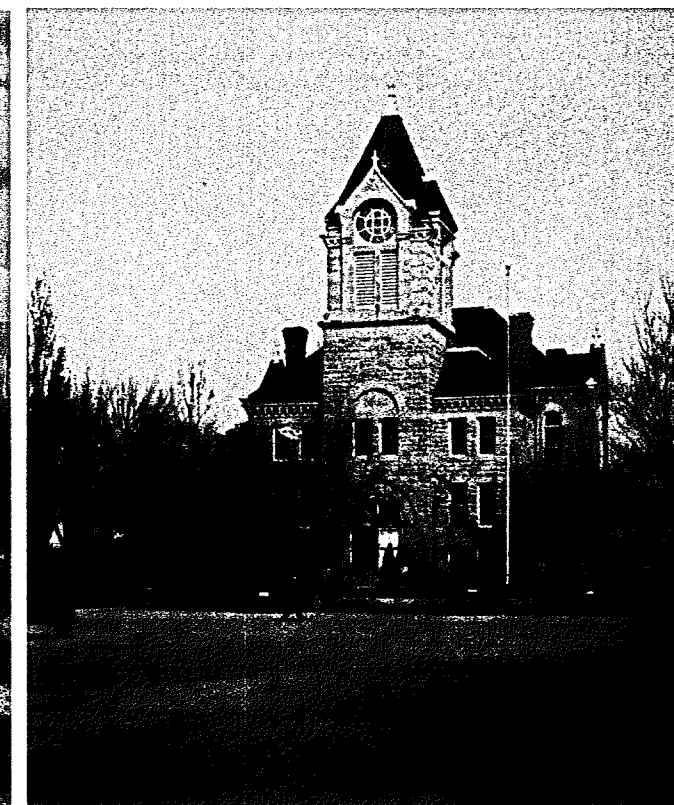
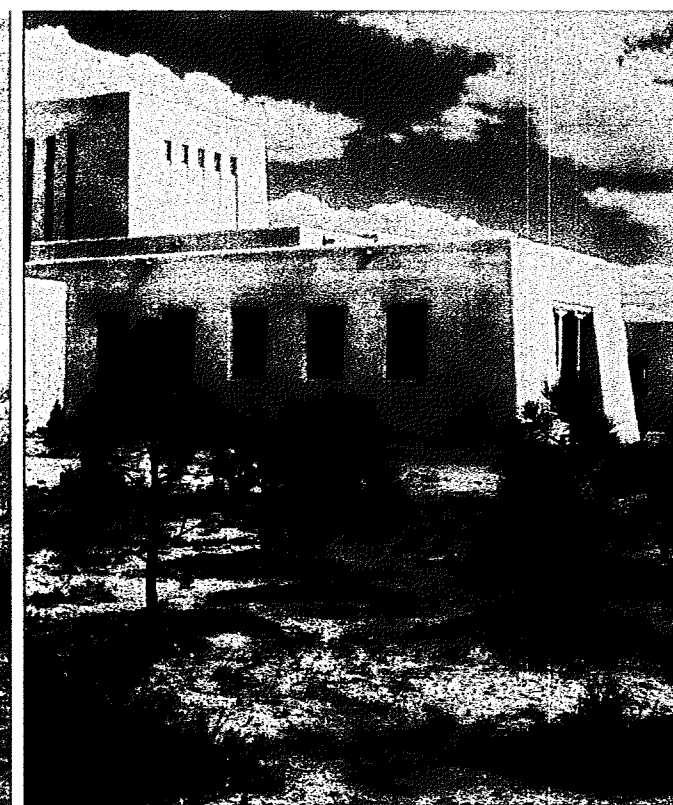
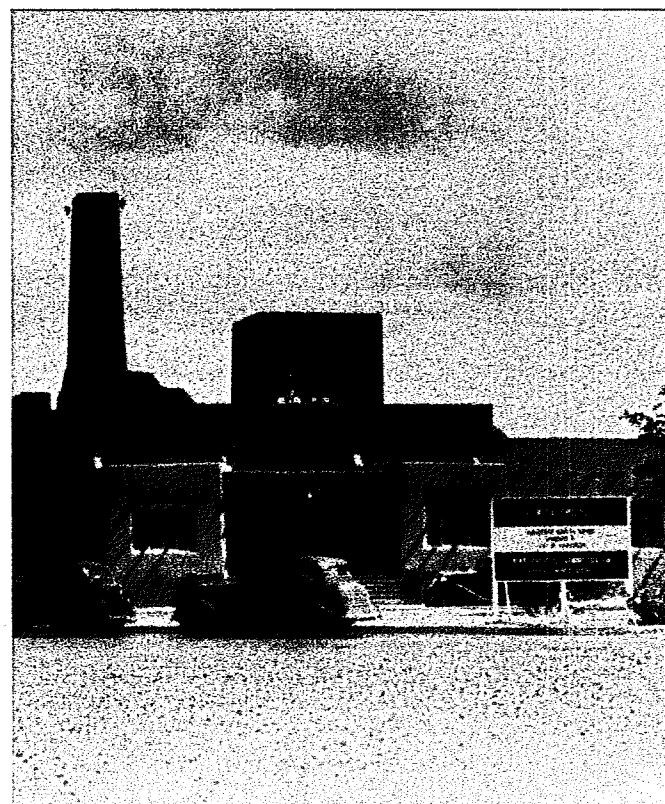
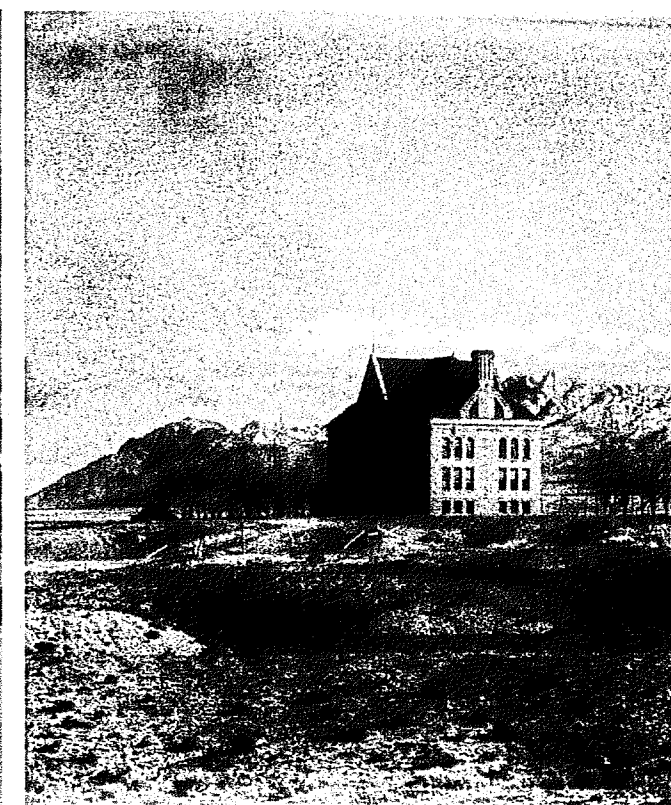
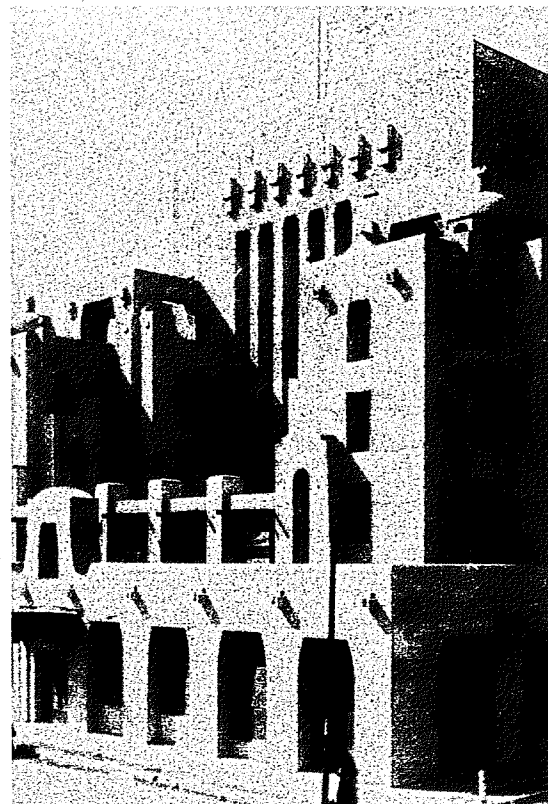
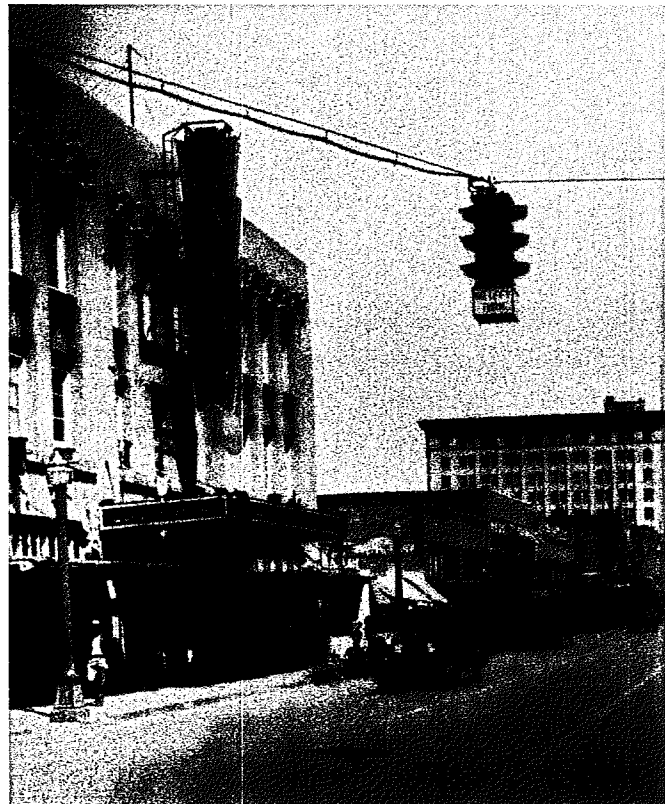
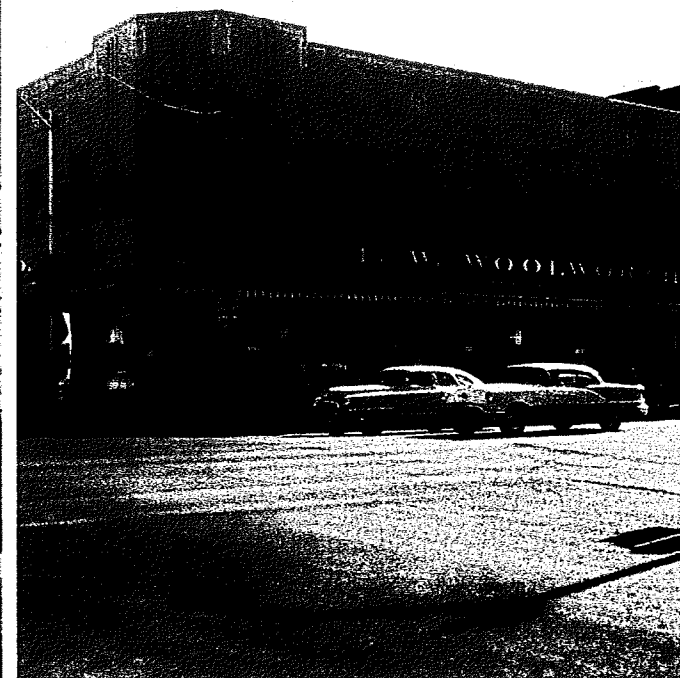
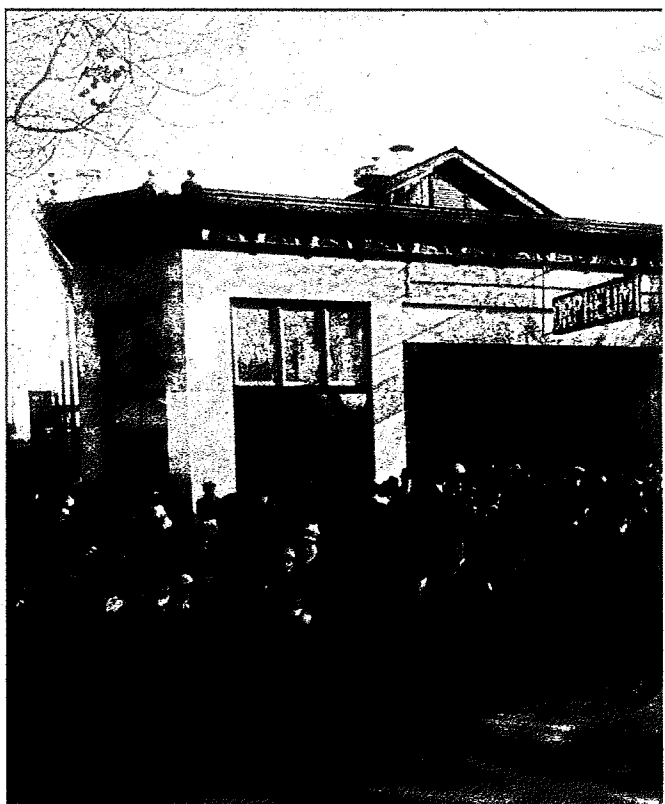
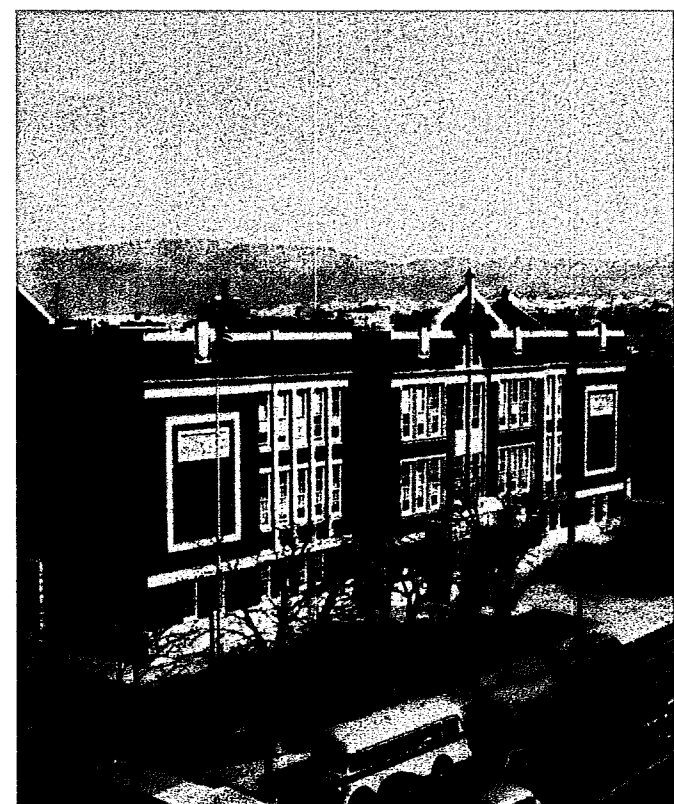
Zone Map No. **K14**



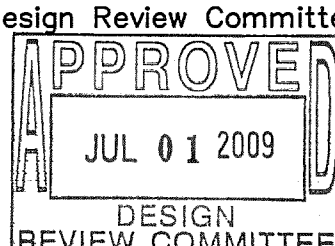
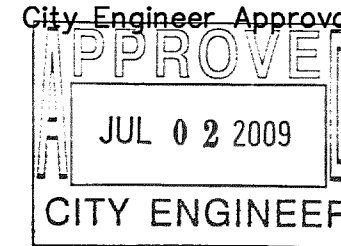
Sheet **11** Of **16**



REMARKS	BY
REVISIONS	
HDR ENGINEERING INC.	
DESIGNED BY: KS	DATE: 5/09
DRAWN BY: KM	DATE: 5/09
CHECKED BY: LJF	DATE: 5/09

AS BUILT INFORMATION	BENCH MARKS	SURVEY INFORMATION	FIELD NOTES
CONTRACTOR		NO.	BY
DATE		DATE	
INSPECTED BY			
DATE			
ACCEPTANCE BY			
DATE			
VERIFICATION BY			
DATE			
DRAWINGS			
CORRECTED BY			
DATE			
MICRO-FILM INFORMATION			
RECORDED BY			
DATE			
NO.			



2155 LOUISIANA BLVD., NE SUITE 2600 ALBUQUERQUE, NM 87110 MAIN: (505) 833-5400 FAX: (505) 833-5454		ONE COMPANY <i>Many Solutions</i>				NO. IDA	DESIGNED BY DRAWN BY CHECKED BY
<div data-bbox="2445 1581 2528 1658">  </div> <div data-bbox="2528 1581 3032 1658" style="text-align: center;"> <h1>CITY OF ALBUQUERQUE</h1> <h2>MUNICIPAL DEVELOPMENT DEPARTMENT</h2> <h3>TRANSPORTATION DEVELOPMENT DIVISION</h3> </div>							
TITLE: CENTRAL BRIDGE CROSSING NEAR THE ALBUQUERQUE TRANSIT CENTER							
ART PANELS 2							
Design Review Committee <div data-bbox="2457 1730 2611 1844">  </div>		City Engineer Approval <div data-bbox="2636 1730 2793 1844">  </div>		Last Design Update	Mo./Day/Yr. 	Mo./Day/Yr. 	
City Project No. 6323-94		Zone Map No. K14		Sheet 12		Of 16	

ARCH
HSS4

HSS2

HSS2

6" 4" 6"

$\frac{3}{16}$ " TYP.

FACE OF BRIDGE

7'-3"

4'-11"

2'-10"

1'-0"

DETAIL 1

CL ARCH 4

CL ARCH 3

CL ARCH 2

CL ARCH 1

APPROXIMATE POST HEIGHTS			
QUADRANT	ARCH	Y1	Y2
NE	1	1'-2"	5'-7"
	2	1'-5"	5'-9"
	3	1'-7"	5'-11"
	4	1'-10"	6'-1"
NW	1	1'-8"	5'-3"
	2	1'-8"	5'-3"
	3	1'-8"	5'-3"
	4	1'-9"	5'-3"
SE	1	1'-2"	5'-7"
	2	1'-5"	5'-9"
	3	1'-7"	5'-11"
	4	1'-10"	6'-1"
SW	1	1'-8"	5'-9"
	2	1'-8"	5'-11"
	3	1'-8"	6'-1"
	4	1'-8"	6'-3"

Plan view of bridge piers and abutments. The diagram shows a central vertical axis labeled "ARCH" and "SIDEWALK". A horizontal line represents the "BOTTOM OF BRIDGE FACIA". A dashed arc represents the bridge profile, with a point labeled "W.P." (Water Point) at its apex. Two rectangular structures represent the bridge piers, and two trapezoidal structures represent the abutments. Dimensions are indicated by arrows: the distance from the central axis to the pier centerline is $3'-8\frac{1}{2}'' \pm$, and the distance from the pier centerline to the abutment centerline is $3'-8\frac{1}{2}'' \pm$. The elevation of the bridge bottom is marked as "EL. 0".

WORKPOINT ELEVATIONS				
ARCH	BRIDGE QUADRANT			
	NE	NW	SE	SW
1	2'-8"	2'-8"	2'-8"	2'-8"
2	2'-10 3/8"	2'-8"	2'-10 3/8"	2'-8"
3	3'-1"	2'-8"	3'-1"	2'-8"
4	3'-4"	2'-8"	3'-4"	2'-8"

Technical drawing of a 4x4 post connection. The drawing shows a side view of a 4x4 post (typical for top plate only) connected to a 6x10x1/4 inch plate. The plate has a central hole for a 1/2 inch diameter bolt. The post has a 3/16 inch diameter hole for a 1/2 inch diameter bolt. The plate is 6 inches wide and 10 inches high. The post is 4 inches high. The plate is 1/2 inch thick. The drawing includes dimensions for the plate, post, and hole, as well as labels for the components.

Labels and dimensions:

- 10" (Total height of the plate)
- 5" (Distance from top edge to center of post hole)
- 5" (Distance from bottom edge to center of post hole)
- 7" (Distance from top edge to center of bolt hole)
- 1 1/2" (Distance from top edge to top of post)
- 1 1/2" (Distance from bottom edge to bottom of post)
- 3" (Distance from center of post hole to center of bolt hole)
- 3" (Distance from center of post hole to center of bolt hole)
- 1 1/2" (Distance from center of bolt hole to right edge of plate)
- 6" (Total width of the plate)
- 1/2" (Thickness of the plate)
- 3/16" (Diameter of hole in post)
- 1/2" (Diameter of hole in plate)
- 4x4 POST (TYP. TOP PLATE ONLY)
- 6x10x1/4" PL
- TOP PL ONLY
- PL POST

NOTES:

1. ANY HANDRAIL DAMAGE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE CITY OF ALBUQUERQUE PROJECT MANAGER.

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CITY OF ALBUQUERQUE

MUNICIPAL DEVELOPMENT DEPARTMENT

TRANSPORTATION DEVELOPMENT DIVISION

TITLE: CENTRAL BRIDGE CROSSING NEAR
THE ALBUQUERQUE TRANSIT CENTER

STEEL ARCH DETAILS

Design Review Committee
APPROVED
JUL 01 2009
DESIGN
REVIEW COMMITTEE

City Engineer Approval

APPROVED

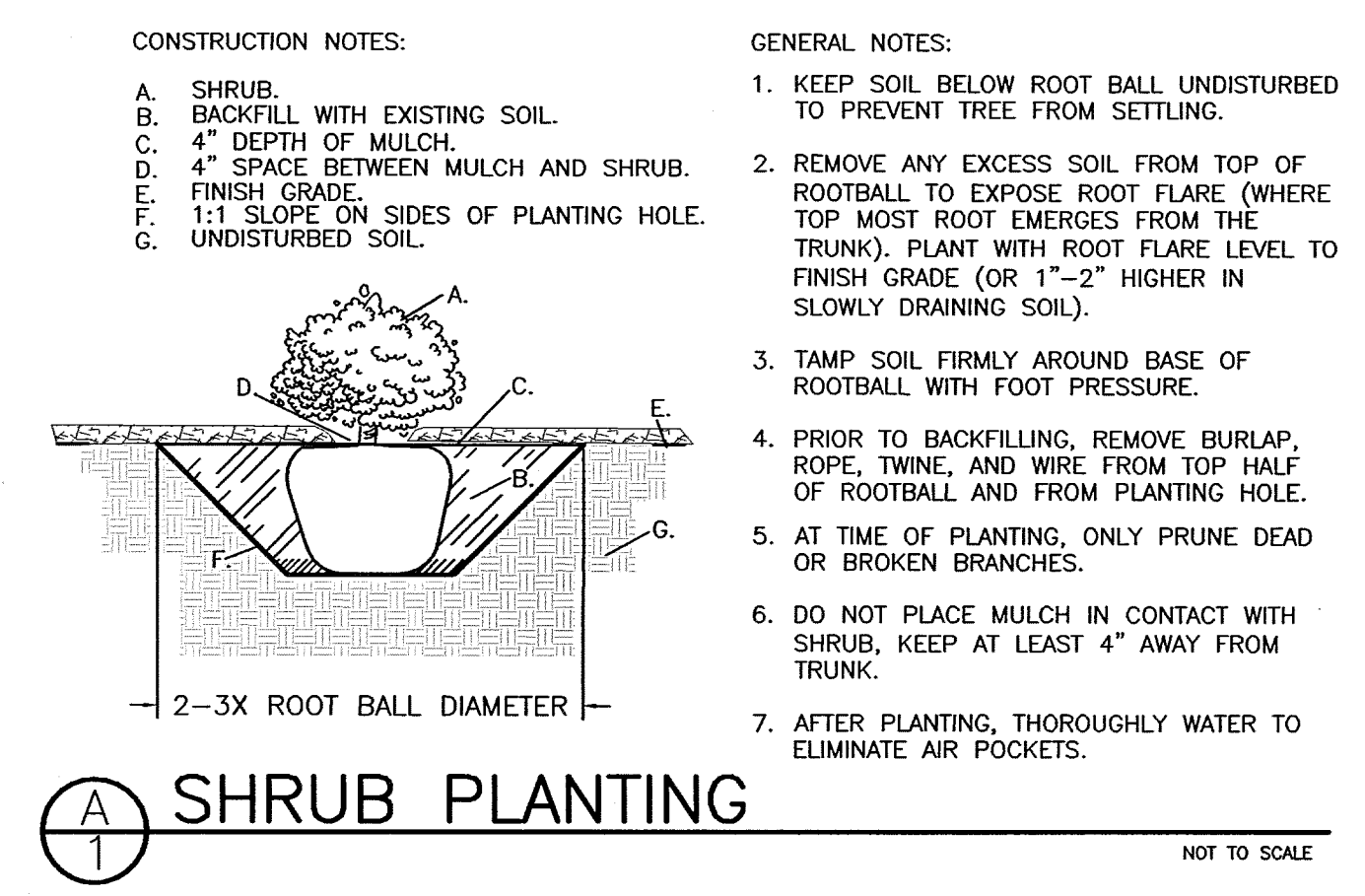
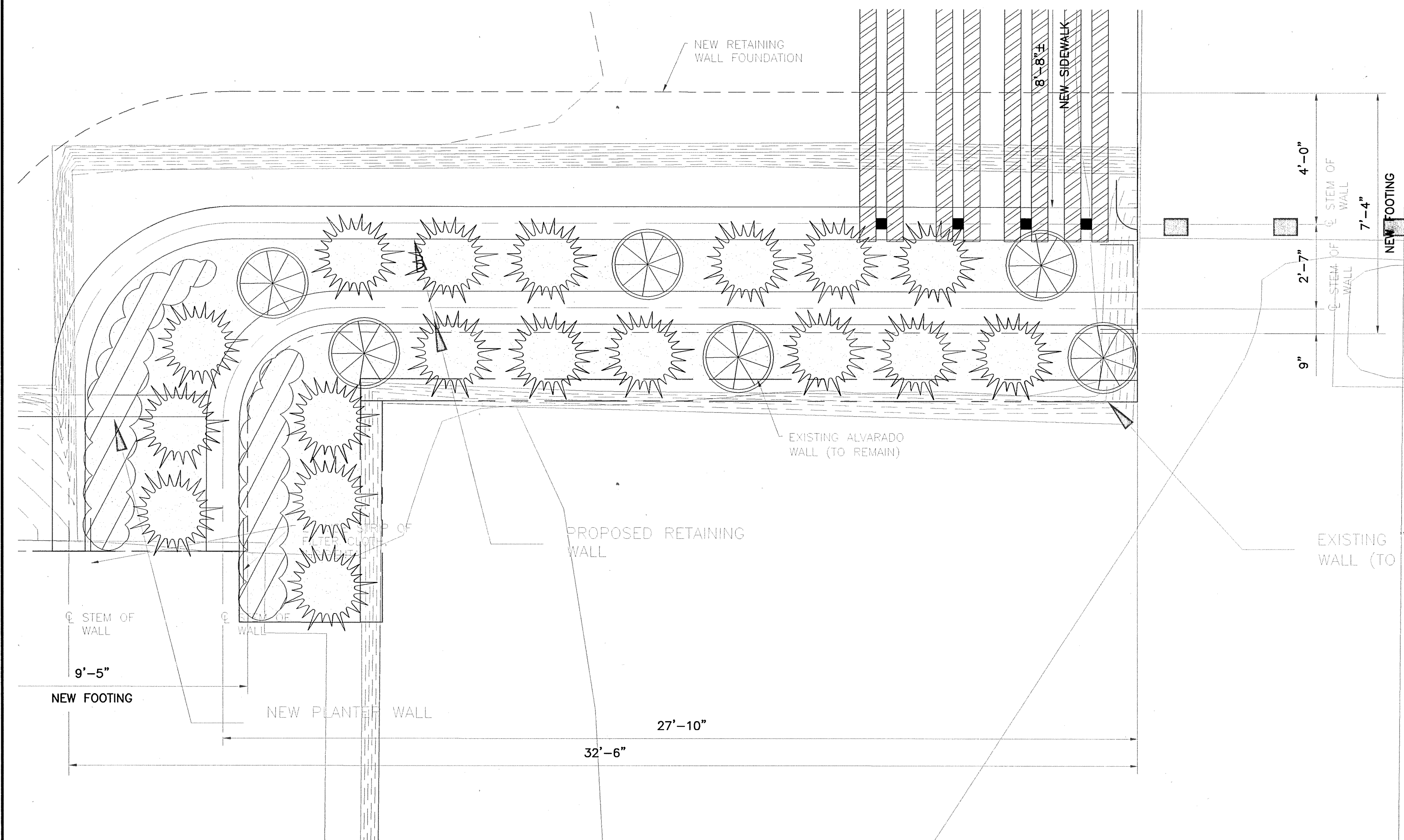
JUL 02 2009

CITY ENGINEER

City Project No. 6323-94

Zone Map No.	K14
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Sheet	13	Of	16
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LANDSCAPE LEGEND:

SHRUBS	BOTANICAL NAME	COMMON NAME	SIZE	QTY.	REMARKS
	Rosa banksiae 'Alba'	Lady Banks Rose	5 gal.	5	
	Berberis x gladwynensis 'William Penn'	William Penn Barberry	5 gal.	18	
GROUND COVERS					
	Vinca minor VM	Periwinkle	1 gal.	11	18" o.c. Triangular Spacing

MATERIAL LEGEND:

	4" Depth Santa Ana Crusher Fines
--	----------------------------------

LANDSCAPE NOTES:

PLANT MATERIAL SUBSTITUTION SHALL NOT BE MADE WITHOUT THE WRITTEN PERMISSION OF THE OWNER'S REPRESENTATIVE.

ALL PLANTING BEDS TO BE MULCHED WITH A 4" DEPTH OF SANTA ANA TAN CRUSHER FINES. ALL CRUSHER FINES SHALL BE UNDERLINED WITH DE WITT PRO 5 28 MIL. FILTER FABRIC OR APPROVED EQUAL. EXCLUDE FILTER FABRIC IN GROUND COVER AND SHRUBS AREAS.

PLANT MATERIAL QUALITY, SIZE AND CONDITION SHALL BE IN ACCORDANCE WITH AMERICAN STANDARD FOR NURSERY STOCK, 2004 EDITION, AS PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN.

ALL PLANTS SHALL BE TYPICAL OF THEIR SPECIES OR VARIETY. ALL PLANTS SHALL HAVE NORMAL, WELL DEVELOPED BRANCHES AND VIGOROUS ROOT SYSTEMS. THEY SHALL BE SOUND, HEALTHY, VIGOROUS, FREE FROM DEFECTS, DISFIGURING KNOTS, ABRASIONS OF THE BARK, SUNSCALD INJURIES, PLANT DISEASES, INSECT EGGS, BORES AND ALL OTHER FORMS OF INFECTIONS.

UNLESS OTHERWISE STATED ON THE DRAWINGS OR APPROVED BY OWNER'S REPRESENTATIVE, ALL PLANTS SHALL BE NURSERY GROWN AND SHALL BE TAGGED WITH NURSERY LABELS INDICATING SPECIES AND VARIETY.

BALLED AND BURLAPPED PLANT MATERIAL SHALL HAVE A SOLID BALL OF EARTH OF MINIMUM SPECIFIED SIZE AND HELD IN PLACE SECURELY BY BURLAP AND A STOUT TWINE OR ROPE. BROKEN OR LOOSE BALLS WILL BE REJECTED.

ALL TREES, SHRUBS AND GROUNDCOVERS SHALL BE GUARANTEED FOR THE PERIOD OF ONE YEAR OR ONE GROWING SEASON, WHICHEVER COMES FIRST, BEGINNING ON THE DATE OF FINAL CONTRACT ACCEPTANCE.

THE OWNER'S REPRESENTATIVE SHALL INSPECT ALL PLANT MATERIAL AT THE CONTRACTOR'S YARD PRIOR TO DELIVERY, DURING PLANTING AND AFTER PLANTING AT THE JOB SITE. AT THE OPTION OF THE CONTRACTOR, THE OWNER'S REPRESENTATIVE WILL INSPECT PLANT MATERIAL AT A WHOLESALE NURSERY OF THE CONTRACTOR'S CHOICE PRIOR TO DELIVERY OF MATERIALS TO THE CONTRACTOR'S YARD.

THE OWNER'S REPRESENTATIVE SHALL BE THE JUDGE OF THE QUALITY AND ACCEPTABILITY OF ALL PLANT MATERIALS. ALL REJECTED MATERIAL SHALL BE IMMEDIATELY REMOVED FROM THE SITE AND REPLACED WITH ACCEPTABLE MATERIAL AT NO ADDITIONAL COST TO OWNER.

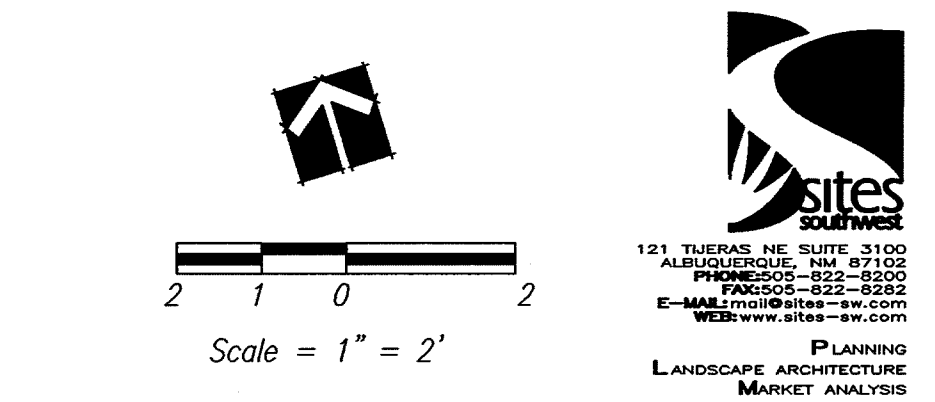
ALL COLLECTED PLANTS MUST BE PRESENTED ON THE SITE AND SHALL BE IN ACCORDANCE WITH THE NEW MEXICO DEPARTMENT OF AGRICULTURE PLANT PROTECTION ACT, REGULATORY ORDER NO. 4. AND AMERICAN STANDARDS FOR NURSERY STOCK (2004 EDITION).

RESPONSIBILITY FOR LANDSCAPE MAINTENANCE ON THE SITE SHALL LIE WITH THE OWNER.

AT MATURITY, PLANTS WILL PROVIDE MINIMUM COVERAGE OF 75% OF THE LANDSCAPE AREA.

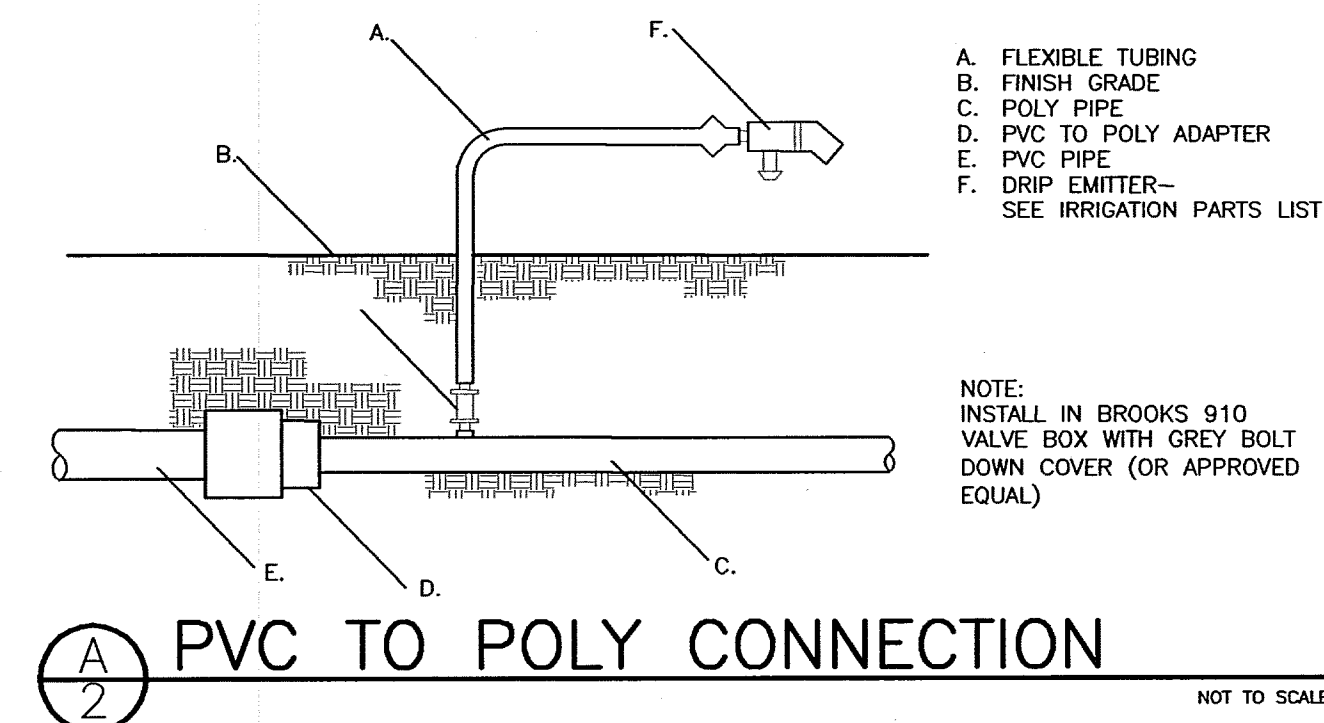
AN UNDERGROUND AUTOMATIC IRRIGATION SYSTEM IS TO BE DESIGNED AND CONSTRUCTED FOR ALL INSTALLED PLANT MATERIALS. GROUND COVERS AND SHRUBS WILL BE IRRIGATED WITH A DRIP EMITTER SYSTEM.

LANDSCAPE PLAN WILL MEET THE REQUIREMENTS OF THE WATER CONSERVATION LANDSCAPING AND WATER WASTE ORDINANCE C ORD 18-1995.



		CITY OF ALBUQUERQUE	
		PUBLIC WORKS DEPARTMENT	
TITLE: CENTRAL UNDERPASS LANDSCAPING			
Design Review Committee		City Engineer Approval	
DESIGN REVIEW COMMITTEE		CITY ENGINEER	
City Project No. 6323.94		Zone Map No. xx xx	Sheet 140F 16

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		REVISIONS		DESIGNED BY		DRAWN BY		CHECKED BY	
CONTRACTOR	DATE	STANDARD	DATE	NO.	BY	DATE	NO.	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE
STANDARD	DATE	FIELD	DATE												
ACCEPTANCE	DATE	REVISION	DATE												
BY		BY													
DATE		DATE													
NO.		NO.													



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