

# FIRST PLAZA GALERIA

FIRST GALLERIA PLAZA OPERATING ASSOCIATES, L.P.
ALBUQUERQUE, NEW MEXICO

CONSTRUCTION PLANS
FOR

# EXPANSION JOINT REPAIR FOR FIRST PLAZA AND SECOND STREET

MAY 2000

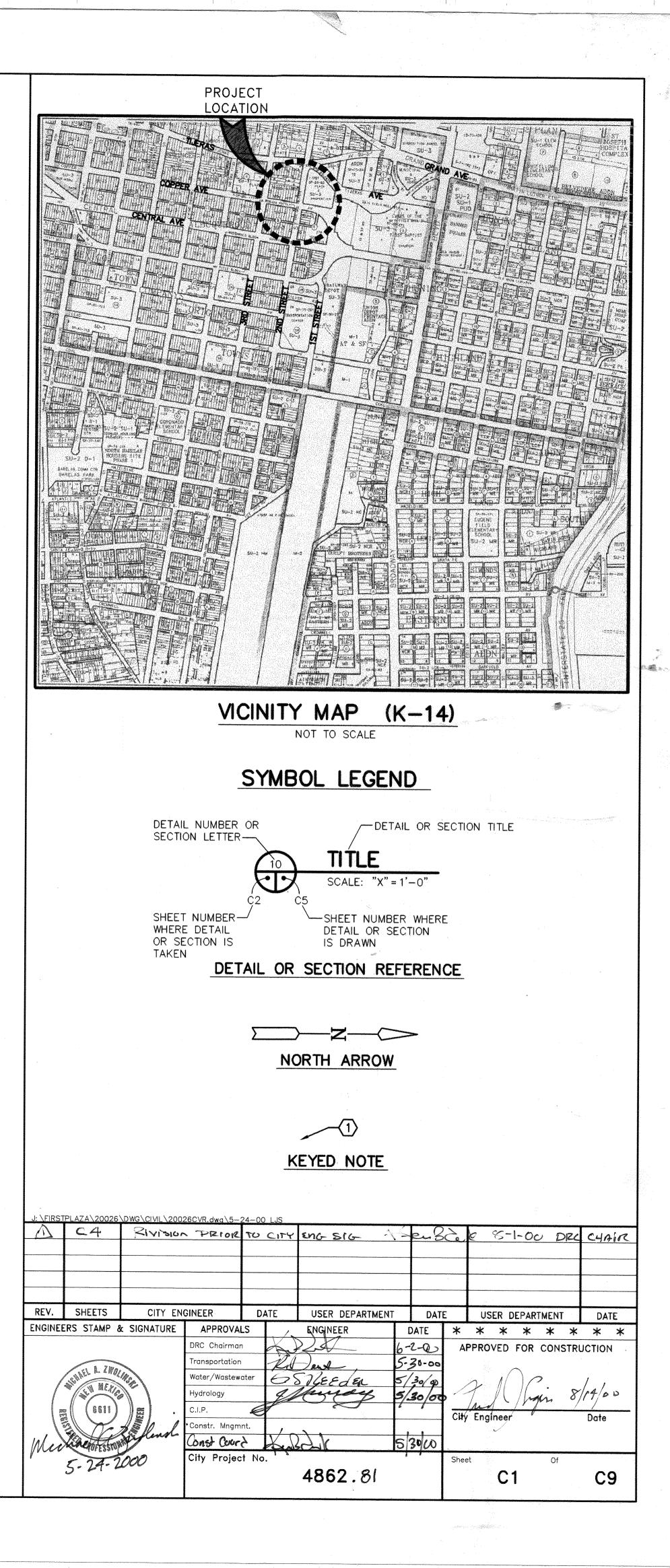
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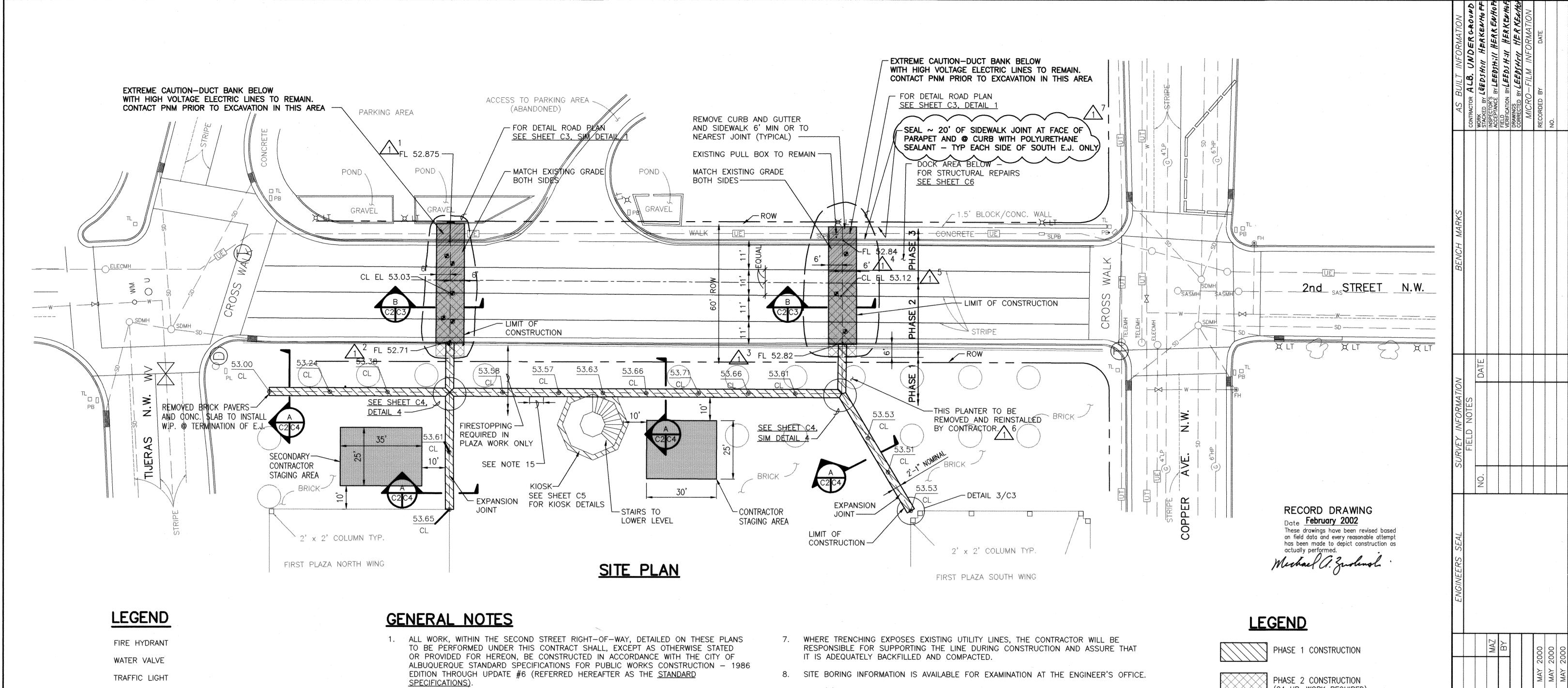
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#### RECORD DRAWING

Date: February, 2002

These drawings have been revised based on field data and every reasonable attempt has been made to depict construction as actually performed.





STREET LIGHT PULL BOX

PEDESTRIAN LIGHT

LIGHT POLE

PULL BOX

MANHOLE (SAS,SD,ELEC,TELE)

STORM INLET

VENT PIPE

BORE HOLE

PLANTER

ELEVATION ON CENTERLINE OF EXPANSION JOINT

MAXIMUM ANTICIPATED LIMITS OF PAVEMENT REMOVAL AND REPLACEMENT AND PAYMENT LIMIT

NEW EXPANSION JOINT INSTALLATION

APPROXIMATE LIMITS OF REMOVAL AND REPLACEMENT OF BRICK PAVERS AND UNDERLYING BASE

RIGHT-OF-WAY

- 2. FIVE (5) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE—CALL SYSTEM, PH. 260—1990, FOR LOCATION OF EXISTING UTILITIES.
- 3. 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 ARCHITECT/ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- 4. THE CONTRACTOR SHALL COORDINATE HIS CONSTRUCTION ACTIVITIES WITH OTHER CONTRACTORS AND UTILITY COMPANIES THAT MAY BE WORKING IN THE SAME AREA.
- 5. WHEN ABUTTING NEW PAVEMENT TO EXISTING, CONTRACTOR SHALL SAW CUT EXISTING PAVEMENT TO A STRAIGHT LINE, AS REQUIRED, TO REMOVE ANY BROKEN OR CRACKED PAVEMENT AND MATCH NEW TO EXISTING. PRIOR TO THE REMOVAL OF ANY PAVEMENT, CURB AND GUTTER, ETC., THE ROADWAY SHALL BE SURVEYED TO ENSURE RESTORATION OF PROPER GRADES.
- 6. THE CONTRACTOR SHALL EXERCISE DUE CARE TO AVOID DISTURBING EXISTING UNDERGROUND UTILITIES. IT SHALL BE HIS RESPONSIBILITY TO COORDINATE WITH THE UTILITY COMPANIES IN ORDER TO PREVENT ANY SERVICE DISRUPTION.

- 9. FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT CONSTRUCTION COORDINATOR A DETAILED CONSTRUCTION SCHEDULE.

  TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATOR.

  CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (768–2551) PRIOR TO OCCUPYING AN INTERSECTION. SEE SECTION 19 OF THE SPECIFICATIONS.
- 10. ALL EXISTING REGULATORY SIGNS THAT NEED TO BE REMOVED, RELOCATED OR REINSTALLED SHALL BE DONE BY THE CITY OF ALBUQUERQUE AND COORDINATED THROUGH THE PUBLIC WORKS DEPARTMENT CONSTRUCTION COORDINATOR. THE CONTRACTOR SHALL NOTIFY THE CITY CONSTRUCTION COORDINATOR THREE (3) WORKING DAYS IN ADVANCE OF ANY REQUIRED WORK.
- 11. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING WORK WITHIN THE CITY RIGHT-OF-WAY. AN APPROVED COPY OF THESE PLANS MUST BE SUBMITTED AT THE TIME OF APPLICATION FOR THIS PERMIT.
- 12. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKING BY CONTRACTOR TO THE SAME LOCATION AS WAS EXISTING, OR AS INDICATED BY THIS PLAN SET.
- 13. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY GRAFFITI FROM ALL EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
- 14. CONTRACTOR SHALL SPOT THE STREET LIGHTING LINES THAT ARE BELOW THE SIDEWALK AT THE EAST SIDE OF SECOND STREET.
- 15. CONTRACTOR SHALL PROVIDE 6'-0" MINIMUM WIDTH PUBLIC ACCESS ACROSS THE EXPANSION JOINT WITHIN 25' OF THE KIOSK ENTRANCE.

PHASE 1 CONSTRUCTION

PHASE 2 CONSTRUCTION

(24 HR. WORK REQUIRED)

PHASE 3 CONSTRUCTION

(12 HR. WORK REQUIRED—7am TO 7pm)

CONTRACTOR STAGING AREAS

CITY OF ALBUQUERQUE

PUBLIC WORKS DEPARTMENT

UTILITY DESIGN SECTION

TITLE: EXPANSION JOINT REPAIR FOR 1ST PLAZA & 2ND STREET SITE PLAN, GENERAL NOTES
AND LEGEND

Design Review Committee City Engineer Approval

Online Design Section

Mo./Day/Yr.

Mo./Day/Yr.

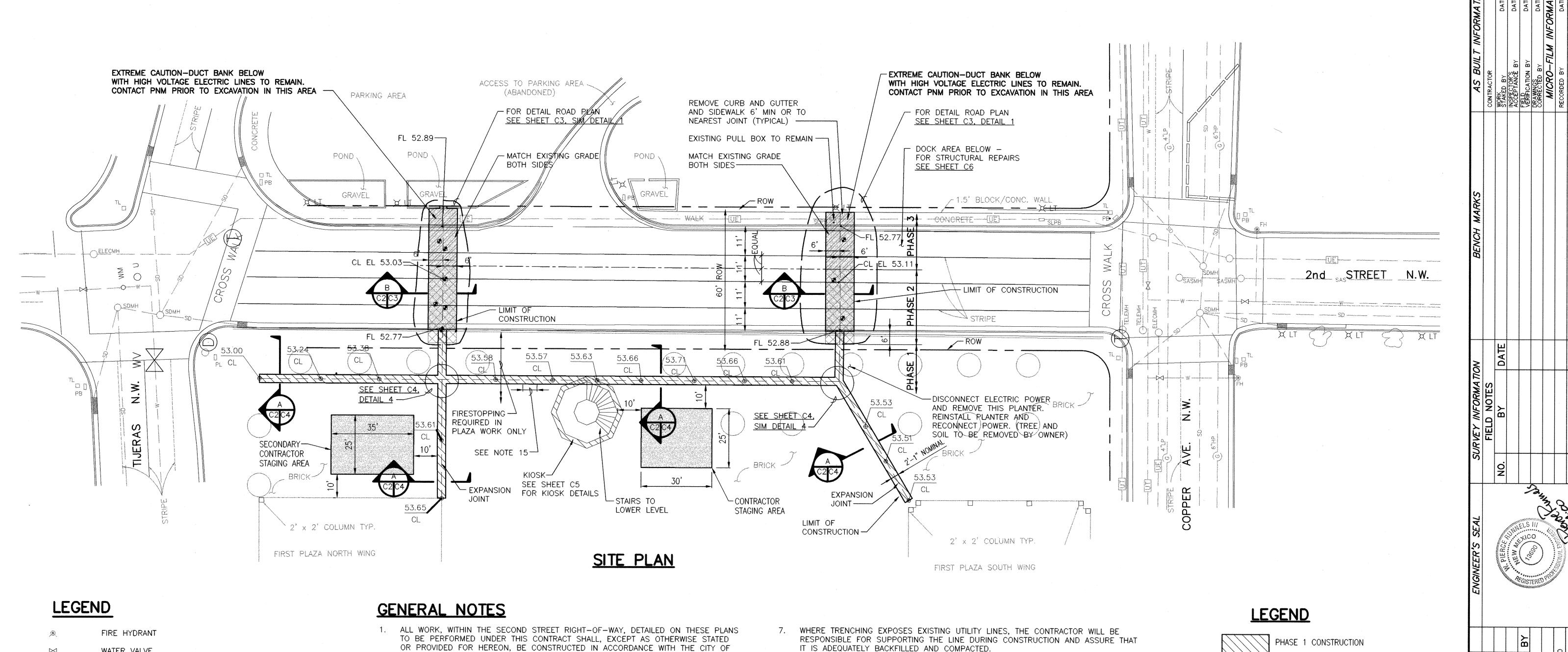
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4862.81

City Project No.

REDRAWN FOR RECORD PURPOSES



WATER VALVE

TRAFFIC LIGHT

STREET LIGHT PULL BOX [] SLPB

PEDESTRIAN LIGHT

0 PB PULL BOX

LIGHT POLE

MANHOLE (SAS,SD,ELEC,TELE)

STORM INLET

OV/PVENT PIPE

BORE HOLE

PLANTER 25.00

ELEVATION ON CENTERLINE OF EXPANSION JOINT

MAXIMUM ANTICIPATED LIMITS OF PAVEMENT REMOVAL AND REPLACEMENT AND PAYMENT LIMIT

NEW EXPANSION JOINT INSTALLATION

APPROXIMATE LIMITS OF REMOVAL AND REPLACEMENT OF BRICK PAVERS AND UNDERLYING BASE

- OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION - 1986 EDITION THROUGH UPDATE #6 (REFERRED HEREAFTER AS THE STANDARD SPECIFICATIONS).
- 2. FIVE (5) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE-CALL SYSTEM, PH. 260-1990, FOR LOCATION OF EXISTING UTILITIES.
- 3. 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 ARCHITECT/ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- 4. THE CONTRACTOR SHALL COORDINATE HIS CONSTRUCTION ACTIVITIES WITH OTHER CONTRACTORS AND UTILITY COMPANIES THAT MAY BE WORKING IN THE SAME AREA.
- WHEN ABUTTING NEW PAVEMENT TO EXISTING, CONTRACTOR SHALL SAW CUT EXISTING PAVEMENT TO A STRAIGHT LINE, AS REQUIRED, TO REMOVE ANY BROKEN OR CRACKED PAVEMENT AND MATCH NEW TO EXISTING. PRIOR TO THE REMOVAL OF ANY PAVEMENT, CURB AND GUTTER, ETC., THE ROADWAY SHALL BE SURVEYED TO ENSURE RESTORATION OF PROPER GRADES.
- 6. THE CONTRACTOR SHALL EXERCISE DUE CARE TO AVOID DISTURBING EXISTING UNDERGROUND UTILITIES. IT SHALL BE HIS RESPONSIBILITY TO COORDINATE WITH THE UTILITY COMPANIES IN ORDER TO PREVENT ANY SERVICE DISRUPTION.

- 8. SITE BORING INFORMATION IS AVAILABLE FOR EXAMINATION AT THE ENGINEER'S OFFICE.
- FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT CONSTRUCTION COORDINATOR A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATOR. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION. SEE SECTION 19 OF THE SPECIFICATIONS.
- 10. ALL EXISTING REGULATORY SIGNS THAT NEED TO BE REMOVED, RELOCATED OR REINSTALLED SHALL BE DONE BY THE CITY OF ALBUQUERQUE AND COORDINATED THROUGH THE PUBLIC WORKS DEPARTMENT CONSTRUCTION COORDINATOR. THE CONTRACTOR SHALL NOTIFY THE CITY CONSTRUCTION COORDINATOR THREE (3) WORKING DAYS IN ADVANCE OF ANY REQUIRED WORK.
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- 13. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY GRAFFITI FROM ALL EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
- 14. CONTRACTOR SHALL SPOT THE STREET LIGHTING LINES THAT ARE BELOW THE SIDEWALK AT THE EAST SIDE OF SECOND STREET.
- 15. CONTRACTOR SHALL PROVIDE 6'-0" MINIMUM WIDTH PUBLIC ACCESS ACROSS THE EXPANSION JOINT WITHIN 25' OF THE KIOSK ENTRANCE.

THIS SHEET SUPERSEDED BY SIMILAR SHEET MARKED "REDRAWN FOR RECORD PURPOSES" PHASE 2 CONSTRUCTION (24 HR. WORK REQUIRED)

PHASE 3 CONSTRUCTION (12 HR. WORK REQUIRED-7am TO 7pm)

CONTRACTOR STAGING AREAS

1" = 20'-0" 1 J:\FIRSTPLAZA\20026\DWG\CIVIL\PLAZA.dwg\5-24-00

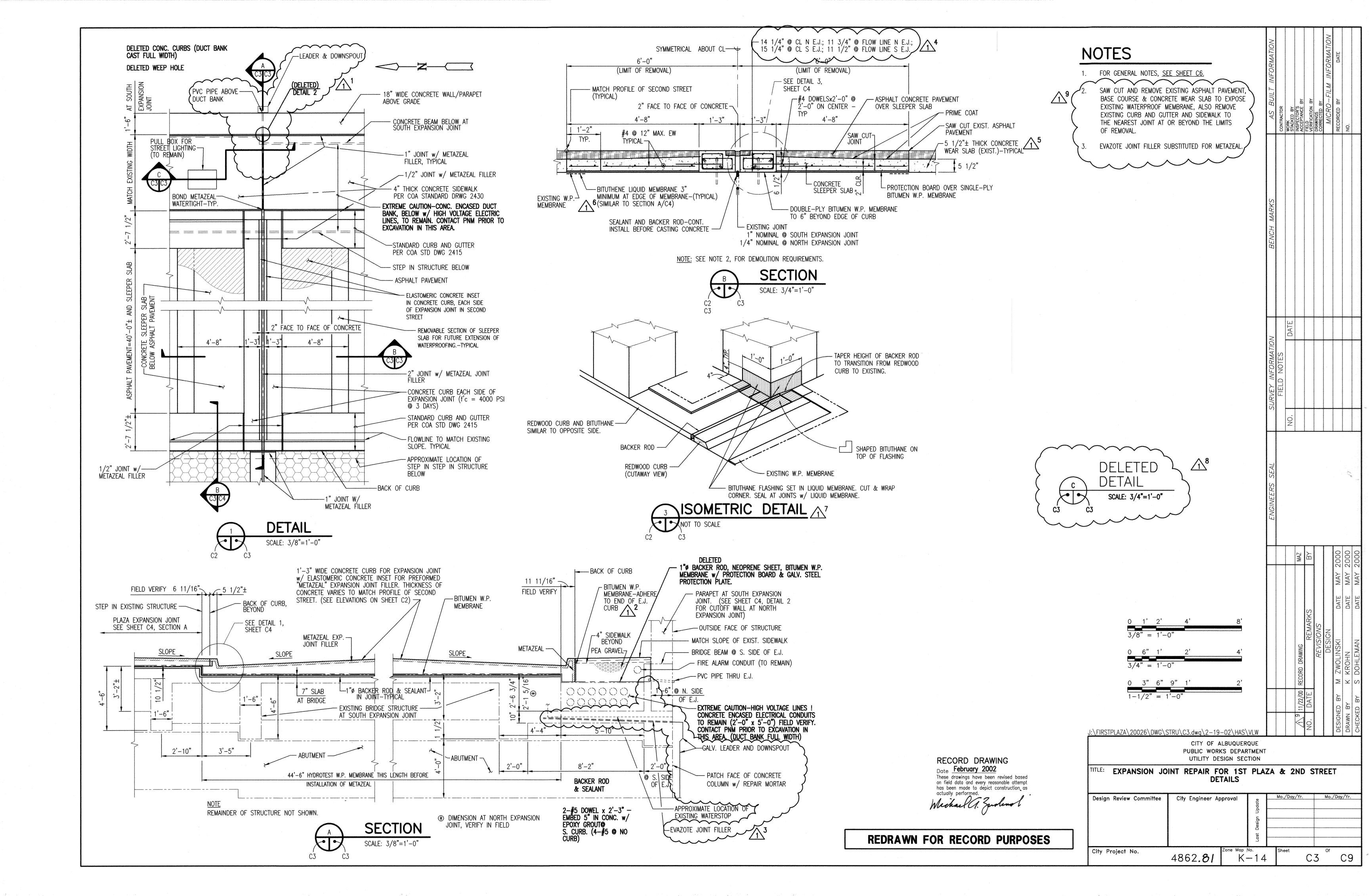
ENGINEERING GROUP TITLE: EXPANSION JOINT REPAIR FOR 1ST PLAZA & 2ND STREET SITE PLAN, GENERAL NOTES

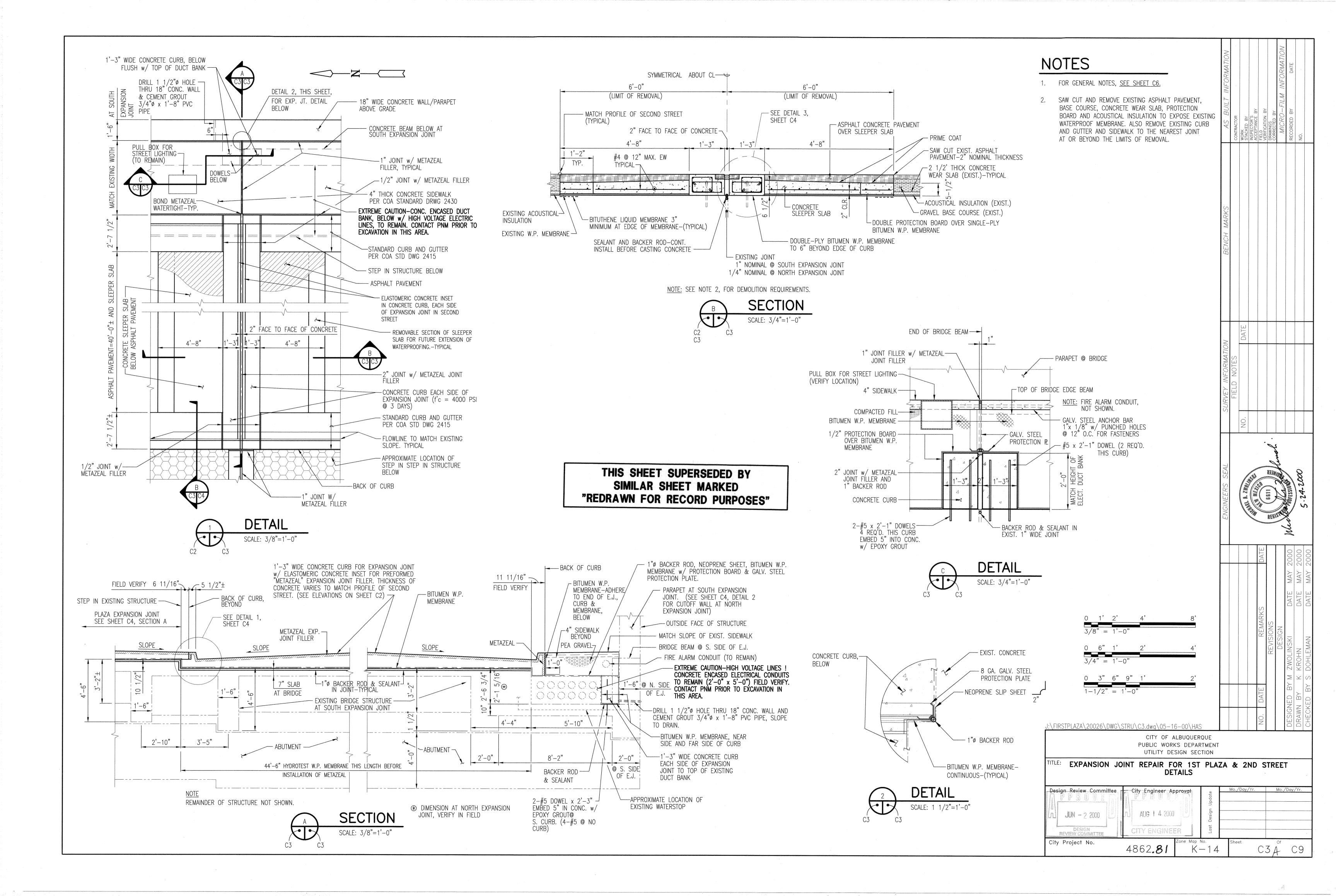
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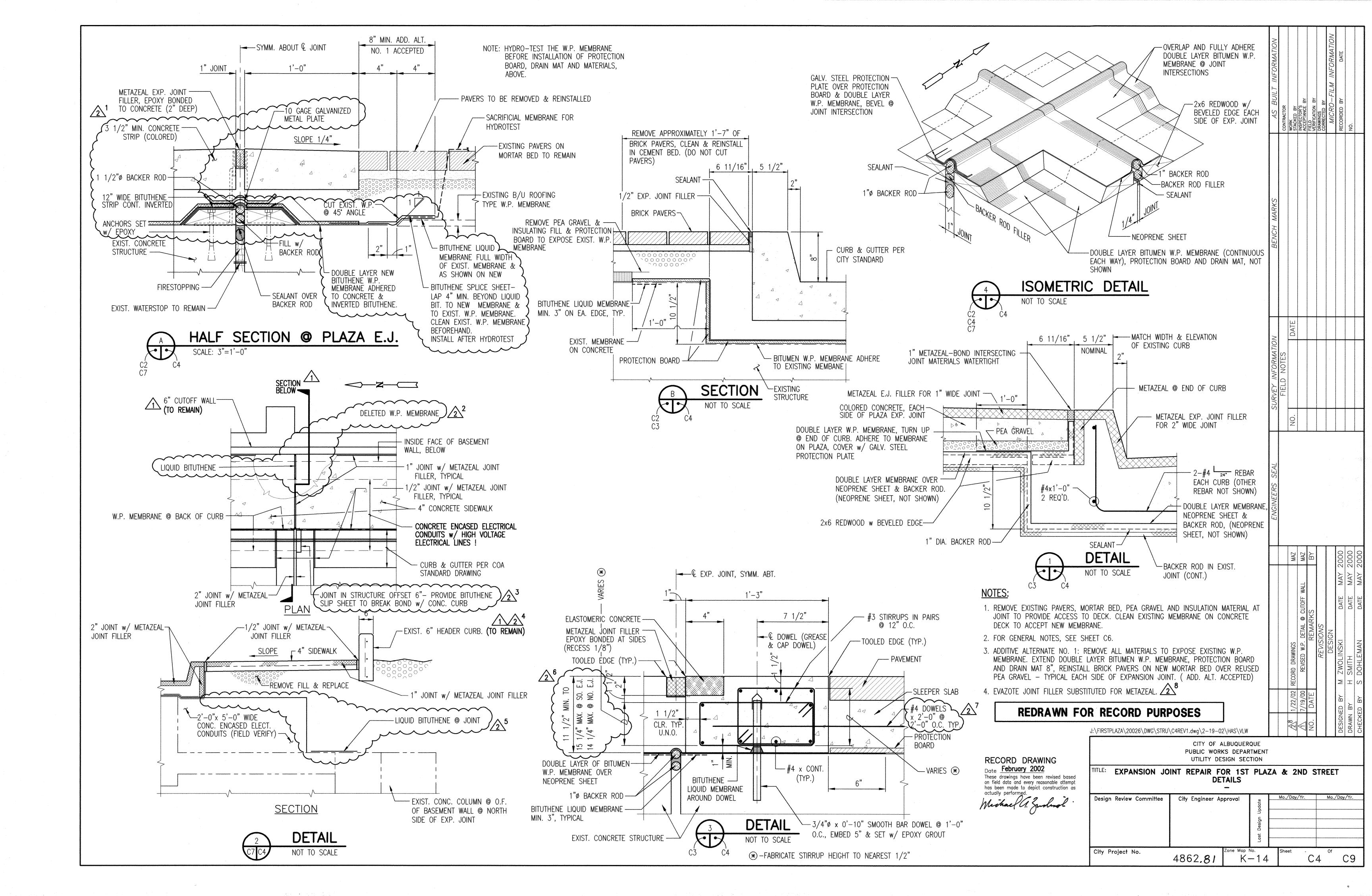
CITY OF ALBUQUERQUE

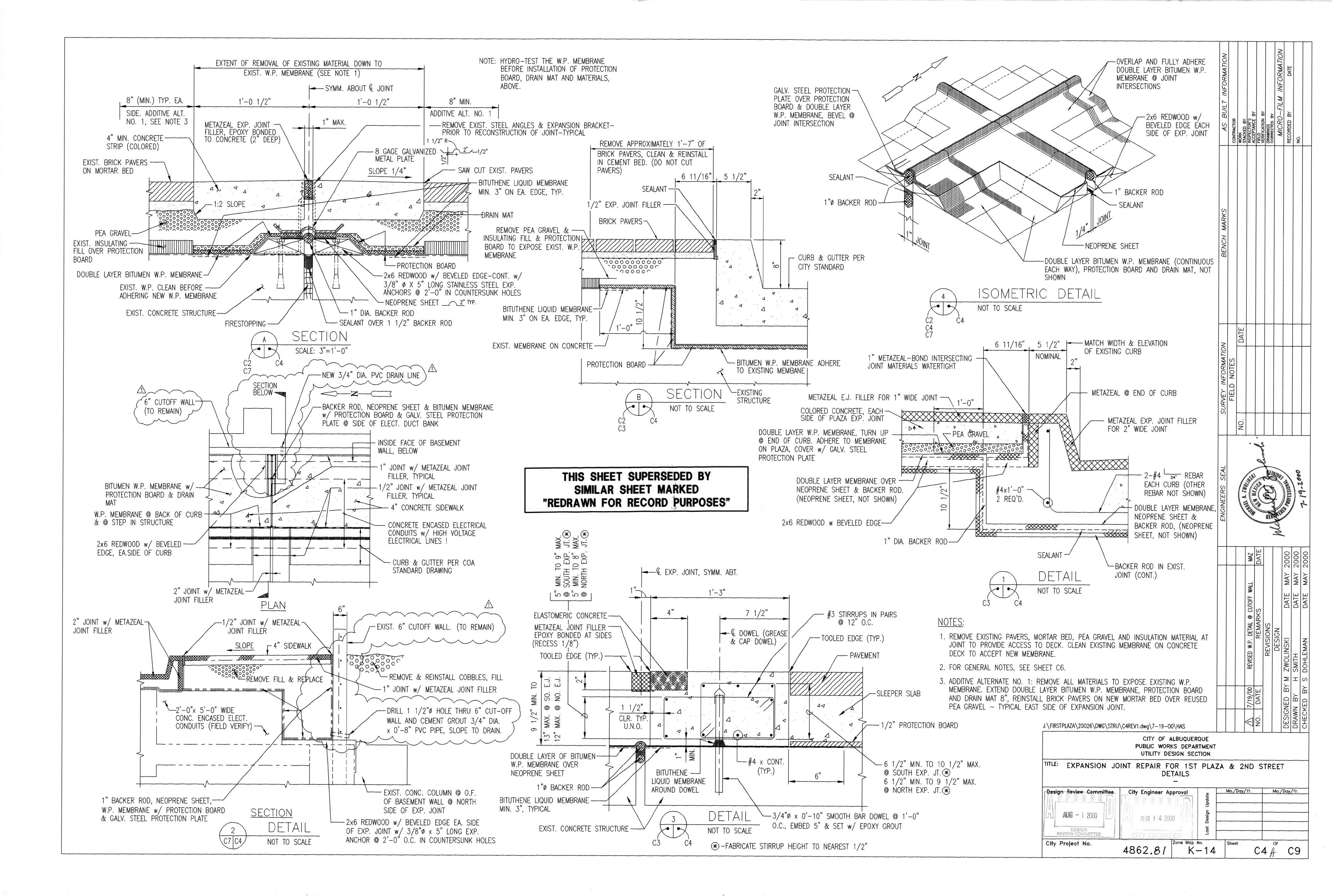
PUBLIC WORKS DEPARTMENT

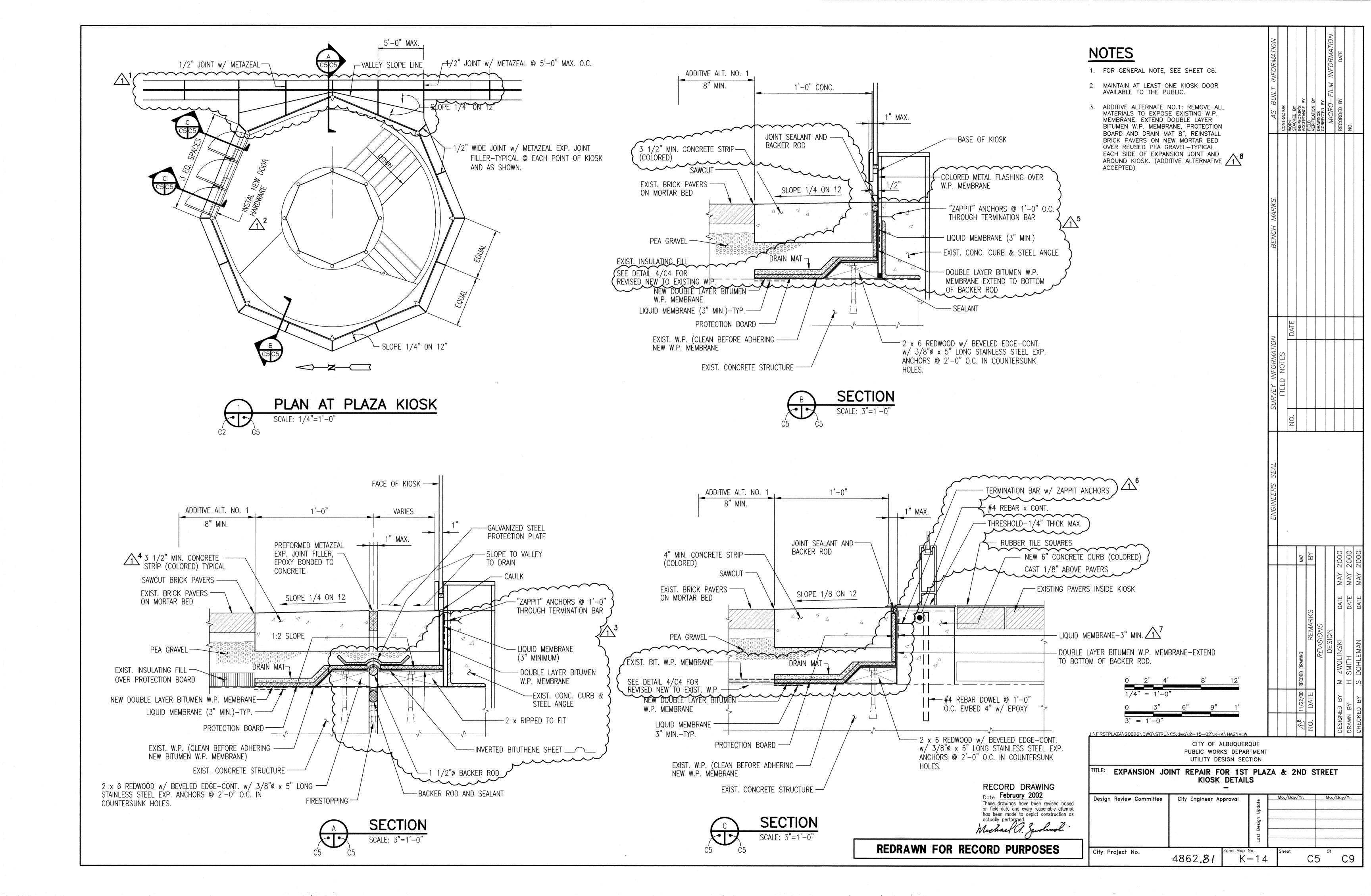
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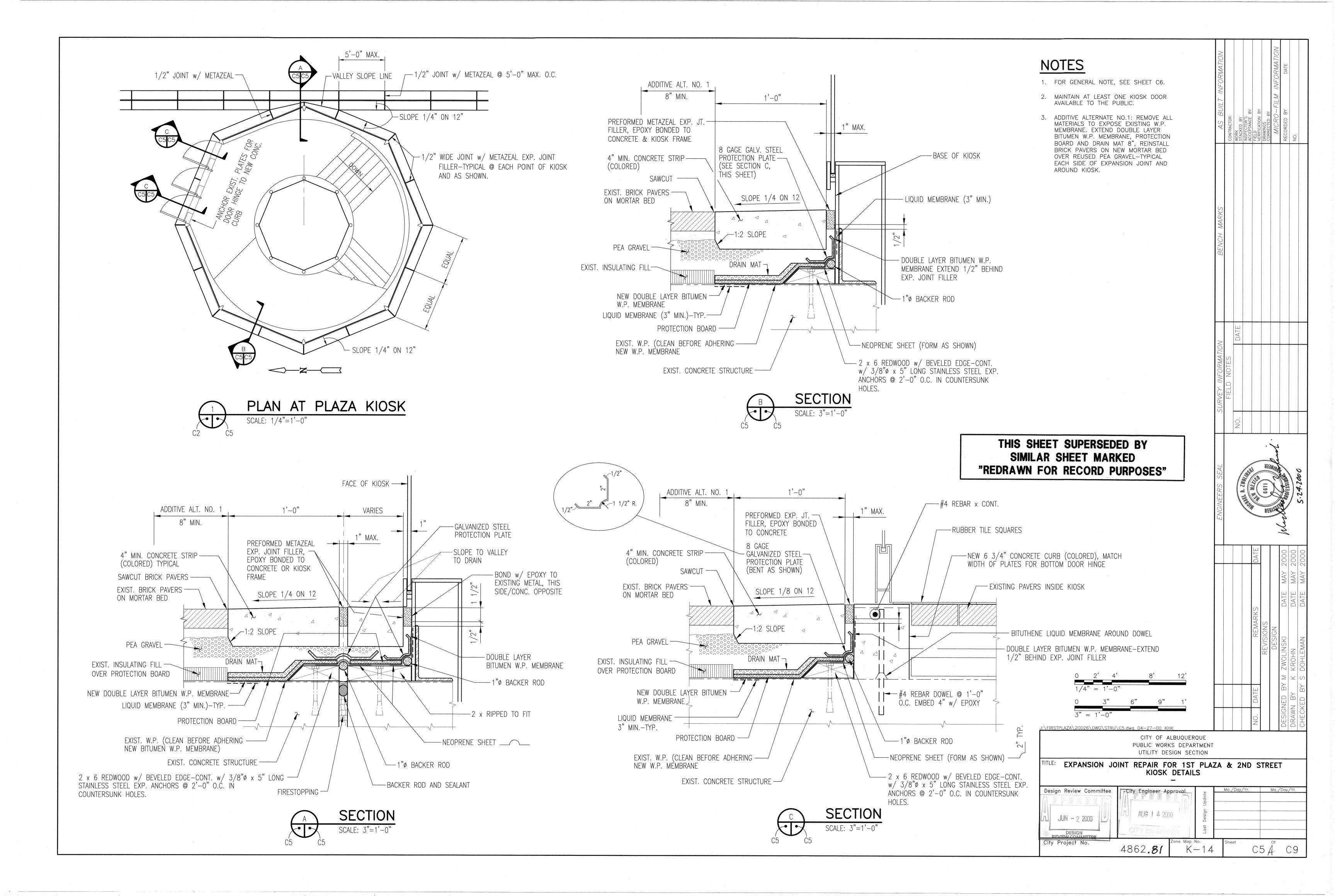


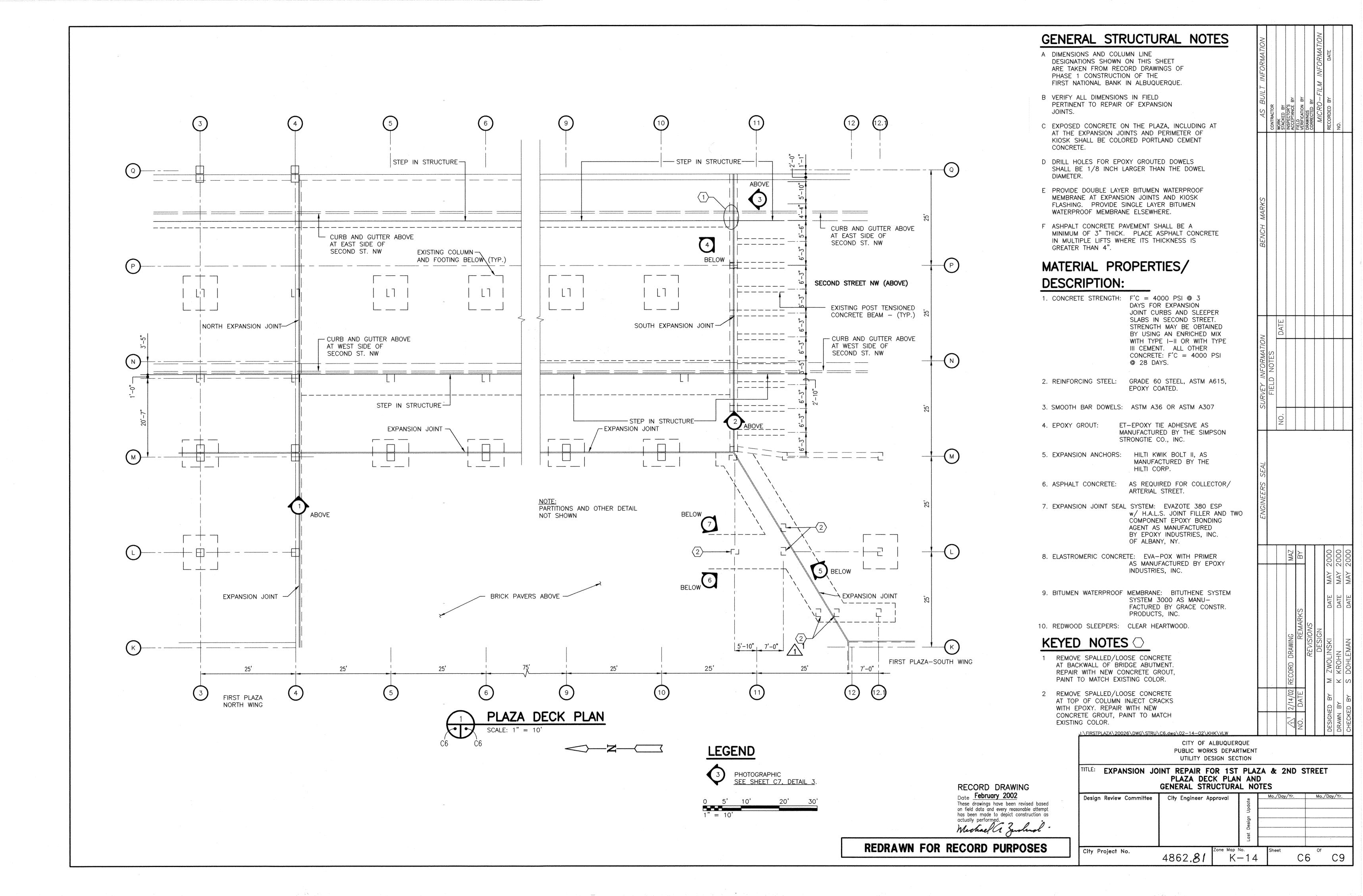


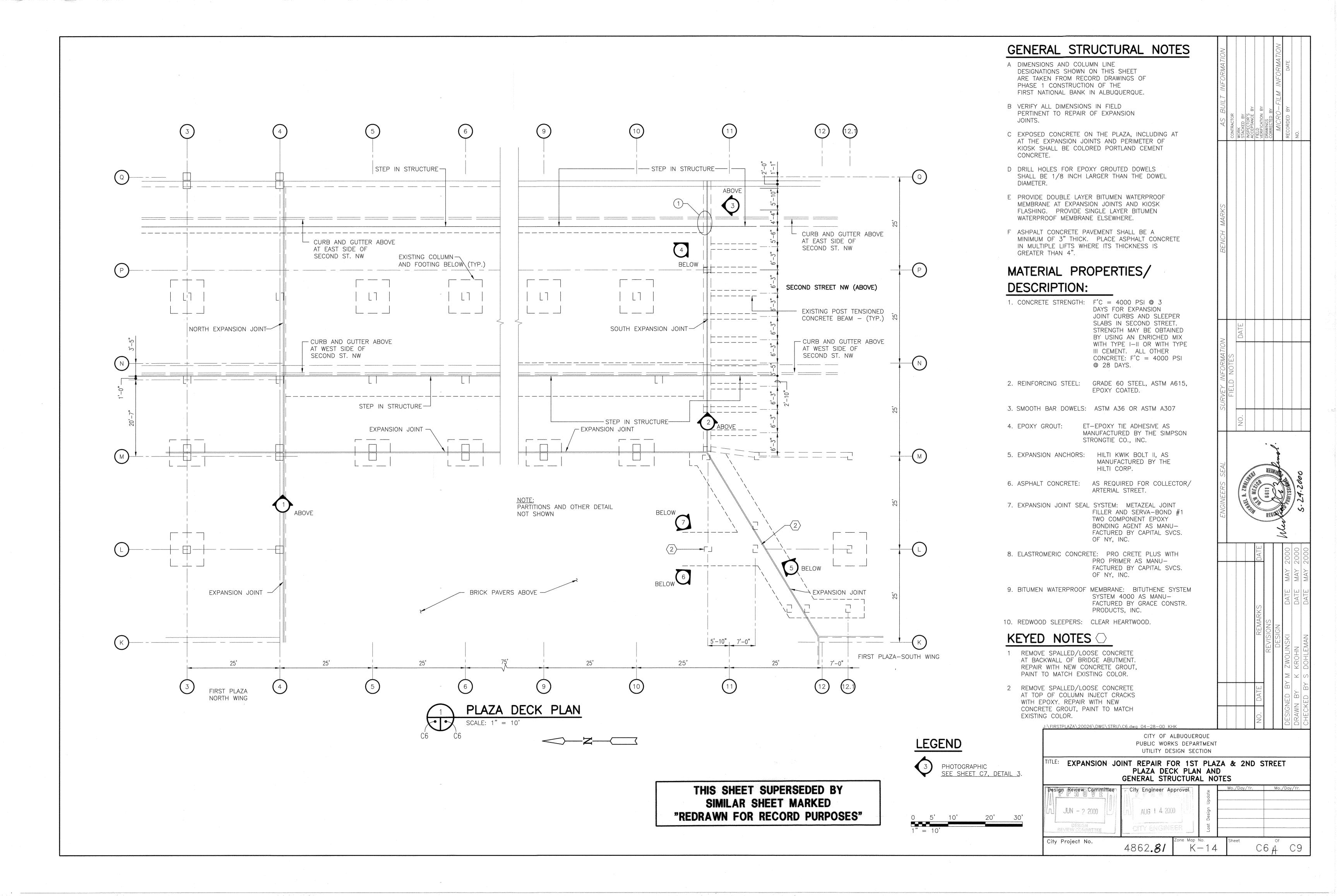


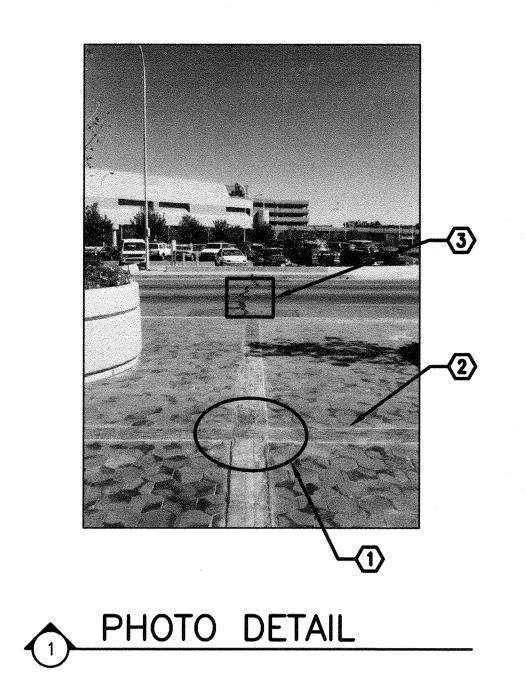


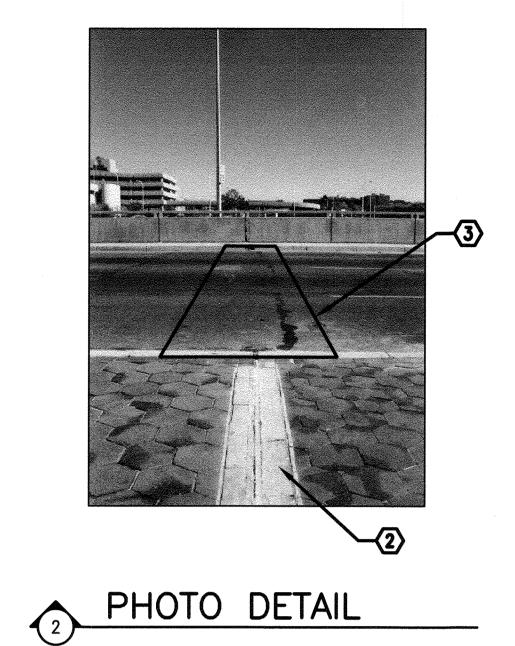












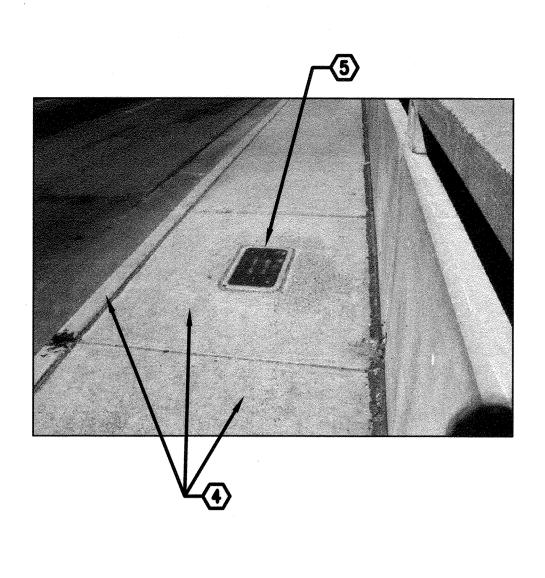
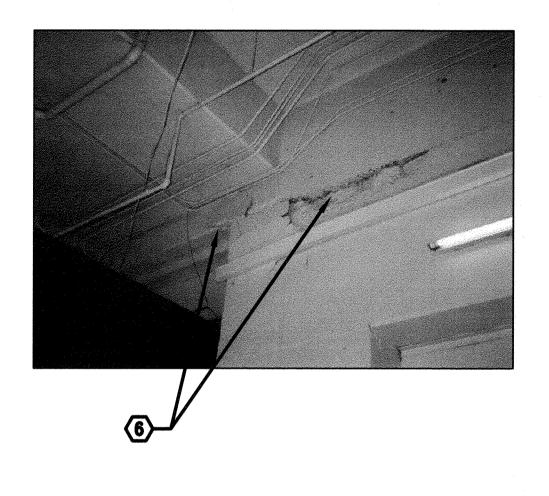
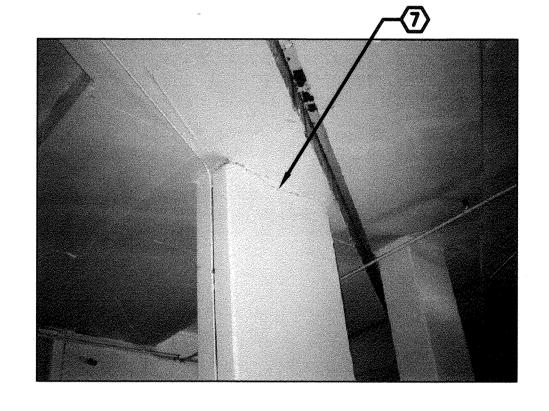


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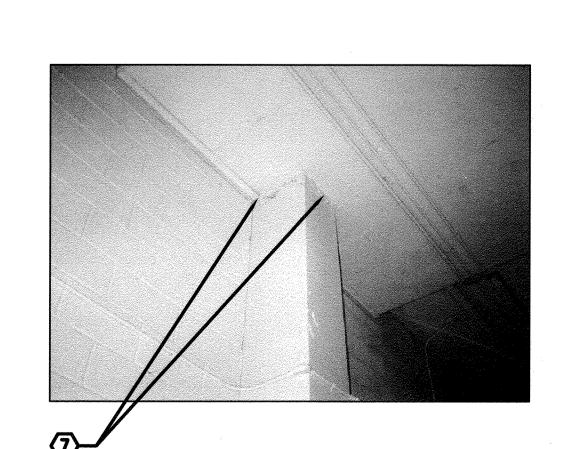
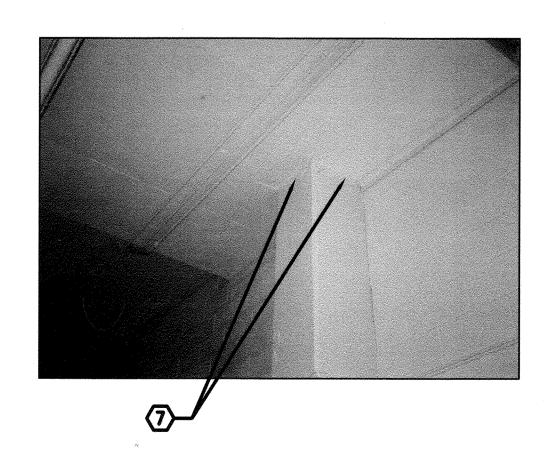


PHOTO DETAIL

6 PHOTO DETAIL



7 PHOTO DETAIL

#### RECORD DRAWING

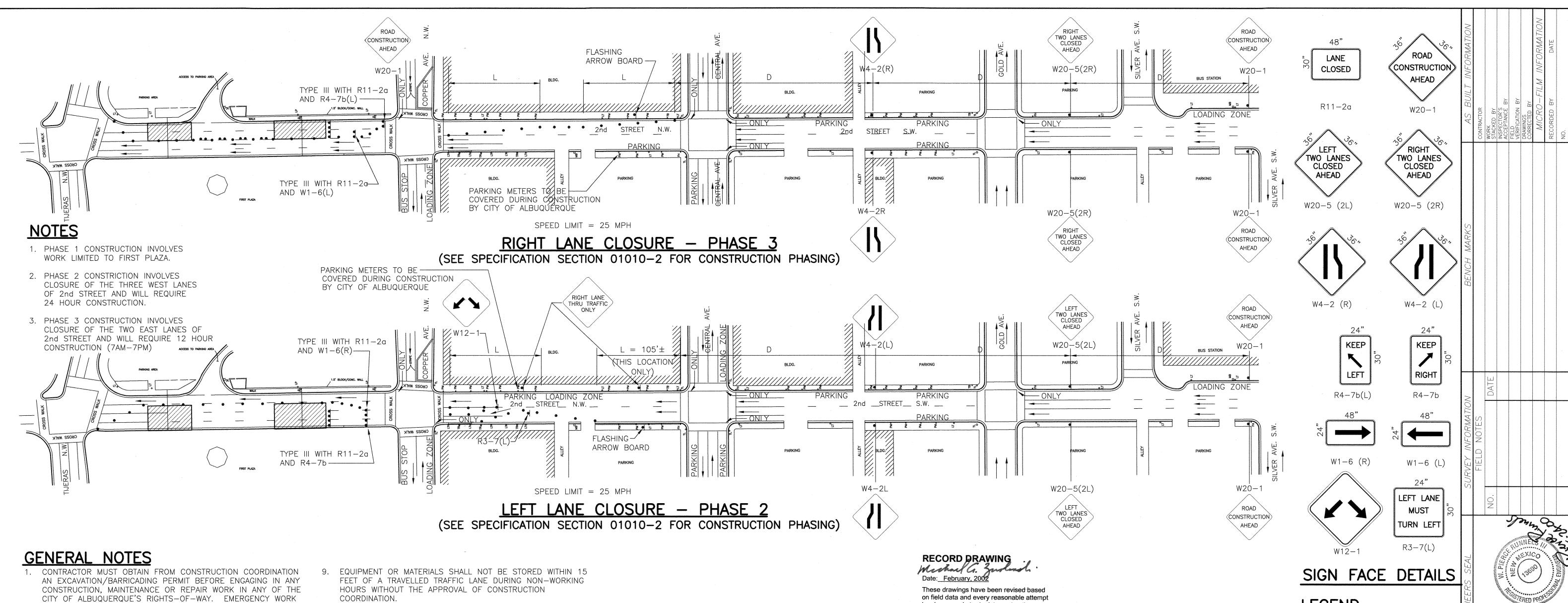
Date: February, 2002

These drawings have been revised based on field data and every reasonable attempt has been made to depict construction as actually performed.

Muchael C. Zurlund

KEYED NOTES O  1 FOR EXPANSION JOINT REPAIR, SEE SHEET C4. DETAIL 4.  2 REMOVE BRICK PAVERS, MORTAR BED, PEA GRAVEL, INSULATING FILL & PROTECTION BOARD AT EXISTING JOINT. SALVAGE FULL SIZE PAVERS TO OWNER. DISCARD PIECES AND BROKEN PAVERS, REMOVE STEEL ANOLES & EXPANSION BRACKET @ JOINT, SEE SECTION A, SHEET C4.  3 REMOVE ASPHALT PAVEMENT, CONCRETE CURB AND GUTTER, SIDEVALK, BASE COURSE, CONCRETE WEAR SLAB, ACOUSTICAL INSULATION AND PROTECTION BOARD AS REQUIRED FOR EXPANSION JOINT REPAIR. SEE DETAIL 1, SHEET C3  5 HIGH VOLTACE STREET LIGHTING PULL BOX. PROTECT DURING CONSTRUCTION OF NEW EXPANSION JOINT. CAST NEW SDEWALK FLUSH WITH SIDEWALK. MAINTAIN POWER TO STREET LIGHTING AT ALL TIMES.  6 REMOVE SPALLED / LOOSE CONCRETE AT BOCKMALL OF BRADE ABUTTMENT. REPAIR WITH NEW CONCRETE GROUT. PAINT TO MATCH EXISTING COLOR.  7 REMOVE SPALLED / LOOSE CONCRETE AT TOP OF COLUMN. INJECT CRACKS WITH PROXY. REPAIR SPALED AREAS WITH NEW CONCRETE GROUT. PAINT TO MATCH EXISTING COLOR.												
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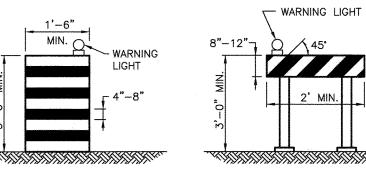
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	CITY OF ALBUC PUBLIC WORKS DI UTILITY DESIGN	PARTMENT							
TITLE: EXPANSION JO	INT REPAIR FOR PHOTOGRAPHIC			<b>%</b> 2	ND S	TRE	ET		
Design Review Committee  JUN - 2 2000  DESIGN REVIEW COMMITTEE	City Engineer Approve AUG I 4 2000 CITY ENGINEER	Last Design Update	Mo	o./Day,	/Yr.	M	o./Day	/Yr.	
City Project No.	4862. <b>81</b> Zone	Map No. K — 1 4	Sł	neet	С	7 °	f (	C 9	

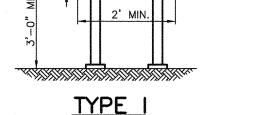


- THAT WOULD PRESERVE LIFE OR PROPERTY IS EXCLUDED WITH THE UNDERSTANDING THAT A PERMIT SHALL BE OBTAINED WITHIN 24 TO 48 HOURS.
- 2. CONTRACTOR SHALL AT THE TIME OF PERMIT REQUEST, SUBMIT FOR APPROVAL BY CONSTRUCTION COORDINATION. A TRAFFIC CONTROL PLAN DETAILING ALL EXISTING TOPOGRAPHY SUCH AS LANE 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. CONSTRUCTION SHALL NOT BEGIN UNLESS A TRAFFIC CONTROL PLAN HAS BEEN APPROVED AND VERIFIED BY CONSTRUCTION COORDINATION.
- 4. 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.
- 5. 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.
- 6. 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.
- 7. ALL ADVANCE WARNING SIGNS SHALL BE DOUBLE INDICATED WHENEVER THERE ARE MULTI-LANE TRAFFIC IN ANY ONE GIVEN DIRECTION AND THERE IS SUFFICIENT SPACE.
- 8. 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.

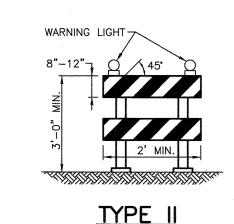
- 10. CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELIZING PEDESTRIAN TRAFFIC AROUND AND THROUGH THE CONSTRUCTION AREA.
- 11. CONTRACTOR IS RESPONSIBLE FOR OBLITERATION OF ANY CONFLICTING STRIPING AND RESPONSIBLE FOR ALL TEMPORARY STRIPING.
- 12. ALL ADVANCE WARNING SIGNS SHALL 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.
- 13. ANY FIELD ADJUSTMENTS SHALL BE APPROVED BY CONSTRUCTION COORDINATION.
- 14. EXCAVATIONS SHALL BE PLATED, TEMPORARILY PATCHED OR RESURFACED PRIOR TO OPENING OF TRAFFIC. A MINIMUM OF ELEVEN FEET SHALL BE PROVIDED FOR TRAFFIC IN ANY GIVEN DIRECTION. CONTRACTOR IS RESPONSIBLE FOR ANY WORK INVOLVED IN SATISFYING THESE REQUIREMENTS.
- 15. CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE FOLLOWING: 1. STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
  - 2. THE CITY OF ALBUQUERQUE TRAFFIC CODE, LATEST EDITION.
  - 3. SECTION 19 OF THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS FOR PUBLIC WORK CONSTRUCTION, AS WELL AS OTHER SECTIONS.
- 16. ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN NEW-CLEAN CONDITION. WASHING OF EQUIPMENT IS INCIDENTAL TO IT'S PLACEMENT AND MAINTENANCE.
- 17. THIS PROJECT IS SUBJECT TO ARTERIAL/COLLECTOR USAGE FEES OF ONE CENT PER SQ. FT. OF BARRICADED AREA PER DAY.

## has been made to depict construction as actually performed.

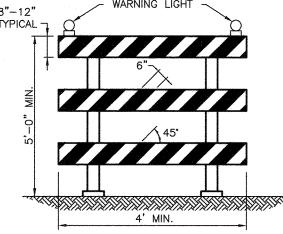




COLLAPSIBLE BARRICADE



COLLAPSIBLE BARRICADE



TYPE III BARRICADE

#### **LEGEND** WORK AREA BARRICADE - TYPE I, TYPE II, OR BARREL BARRICADE - TYPE III

WARNING SIGN STREET LIGHT

° PM PARKING METER TR 仍 TREE

• TB TRAFFIC CONTROL BOX LT O TRAFFIC LIGHT

#### TRAFFIC CONTROL DEVICES NOT TO SCALE

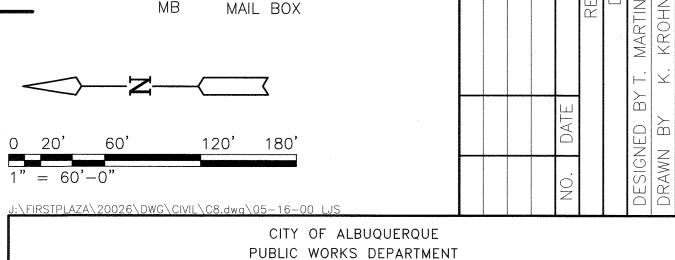
#### TAPER LENGTH COMPLITATION

COMPUTATION
$\frac{\text{SPEED LIMIT}}{40 \text{ MPH OR LESS}} \qquad L = \frac{\text{WS}}{60}$
45 MPH OR GREATER L=WxS
WHERE: L= TAPER LENGTH W= WIDTH OF OFFSET IN FEET S= POSTED SPEED LIMIT OR OFF-PEAK 85-PERCENTILE

SPEED IN MPH.

### RECOMMENDED SIGN SPACING FOR ADVANCE WADNING CICKL CEDIES (D)

ADVANCE	WARNING SIGN	SERIES (D)
<u>SPEED</u>	MINIMUM DISTAN	ICE IN FEET
MILES PER HOUR	BETWEEN SIGNS	FROM LAST SIGN TO TAPER
0-20	10 × SPEED LIMIT	10 x SPEED LIMIT
25-30	10 × SPEED LIMIT	10 x SPEED LIMIT
30-35	10 × 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



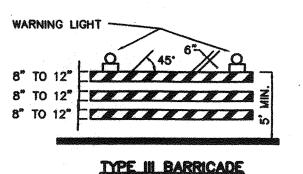
UTILITY DESIGN SECTION EXPANSION JOINT REPAIR FOR 1ST PLAZA & 2ND STREET TRAFFIC CONTROL PLAN

Design Review Committee  Design Review Committee  Design Review Committee  Design Review Committee  Design Review Committee	City Engineer Ap	Land Control of Contro		Mo./Day/Yr		Mo./Do	ay/Yr.
DESIGN REVIEW COMMITTEE	CITYENGIN	Company of the compan	2				
City Project No.	4862 <b>.81</b>	Zone Map No. K — 1	4	Sheet	C8	Of	C9

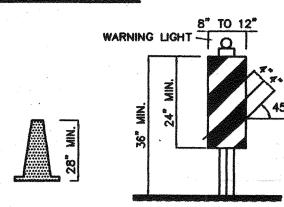
#### CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

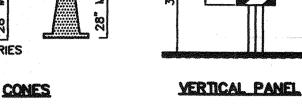
- CONTRACTOR MUST OBTAIN FROM CONSTRUCTION COORDINATION AN EXCAVATION/BARRICADING PERMIT BEFORE ENGAGING IN ANY CONSTRUCTION, MAINTENANCE OR REPAIR WORK IN ANY OF THE CITY OF ALBUQUERQUE'S RIGHTS-OF-WAY. EMERGENCY WORK THAT WOULD PRESERVE LIFE OR PROPERTY IS EXCLUDED WITH THE UNDERSTANDING, THAT A PERMIT 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. CONTRACTOR SHALL NOT BEGIN WORK BEFORE 7:00 A.M. OR END WORK AFTER 7:00 P.M. WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.
- 12. CONTRACTOR IS RESPONSIBLE TO PROVIDE CONSTRUCTION COORDINATION. A WEEKLY LOG OF DAILY INSPECTIONS OF BARRICADE AND MAINTENANCE SCHEDULES ON PROJECTS THAT ARE OVER ONE WEEK DURATION.
- 13. EQUIPMENT OR MATERIALS SHALL NOT BE STORED WITHIN 15 FEET OF A TRAVELLED TRAFFIC LANE DURING NON-WORKING HOURS WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.
- 14. CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELIZING PEDESTRIAN TRAFFIC AROUND AND THROUGH THE CONSTRUCTION AREA.
- 15. CONTRACTOR IS RESPONSIBLE FOR OBLITERATION OF ANY CONFLICTING STRIPING AND RESPONSIBLE FOR ALL TEMPORARY STRIPING.
- 16. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL FACILITIES, BUSINESSES AND/OR RESIDENTS AT ALL TIMES.
- 17. CONTRACTOR SHALL PROVIDE ACCESS SIGNS FOR BUSINESSES LOCATED WITHIN THE CONSTRUCTION AREA UNDER THE SUPERVISION OF CONSTRUCTION COORDINATION. EACH ACCESS SIGN SHALL HAVE 5 INCH, WHITE OPAQUE LETTERING ON BLUE REFLECTORIZED BACKGROUND. ACCESS SIGNS SHALL BE CONSIDERED INCIDENTAL TO THE BID AND NOT PART OF THE CONTRACT UNLESS OTHERWISE STATED. NO MORE THAN 3 BUSINESSES SHALL BE LISTED ON A ACCESS SIGN. SHOPPING CENTERS AND MALLS SHALL BE LISTED AS SUCH.
- 18. ALL ADVANCE WARNING SIGNS SHALL MEET THE MINIMUM REFLECTIVE INTENSITY REQUIREMENTS SET FORTH BY THE CITY OF ALBUQUERQUE. CONSTRUCTION COORDINATION SHALL DETERMINE ALL REQUIREMENTS AND APPROVE OR DISAPPROVE ANY ADVANCE WARNING SIGN PER SECTION 6A-4 OF THE MUTCD. LATEST EDITION.
- 19. 24 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. 2. 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
- 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" WITH SUPER ENGINEERING GRADE SHEETING OR BETTER.



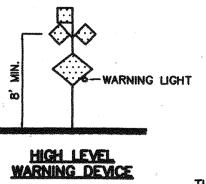
BASE VARIES





BARREL

8" TO 12"



LEGEND

WORK AREA

BARRICADE - TYPE I, TYPE II, OR BARREL BARRICADE - TYPE III

VERTICAL PANEL

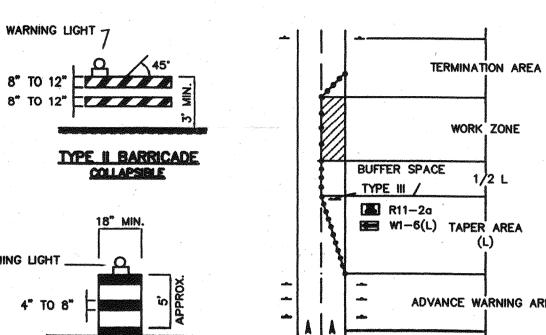
FLAGMAN POSITION

WARNING SIGN DISTANCE BETWEEN SIGNS - A DISTANCE MEASURED IN FEET EQUAL TO A VALUE OF TEN TIMES THE SPEED LIMIT OF THE STREET

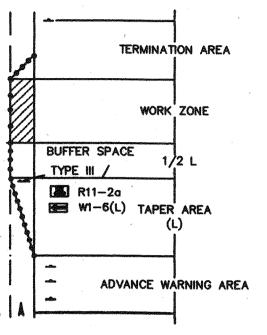
SPACING BETWEEN BARRICADES- A DISTANCE MEASURED IN FEET EQUAL TO THE SPEED LIMIT OF THE STREET

TAPER LENGTH - SEE CHART BELOW

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



#### TRAFFIC CONTROL ELEMENTS



#### TAPER REQUIREMENTS

SPEED LIMIT	TAP	ER LENGT (FEET)	'H (L)	MINIMUM NUMBER	MAXIMUN SPACING	DEVICE IN FEET
(MPH)	10' LANE	11' LANE	12' LANE	OF DEVICES FOR TAPER	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

AUVANCE	- MAKNING 21	<u>GN SERIES</u>
SPEED	MINIMUM DIST	TANCE IN FEET
MILES PER HOUR	BETWEEN SIGNS	FROM LAST SIGN TO TAPER
0-20	O X SPEED LIMIT	10 X SPEED LIMIT
25-30	10 X SPEED LIMIT	10 X SPEED LIMIT
30-35 <sub>1</sub>	10 X SPEED LIMIT	10 X SPEED LIMIT
40-45	O X SPEED LIMIT	10 X SPEED LIMIT
50-60 1	10 X SPEED LIMIT	10 X SPEED LIMIT

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

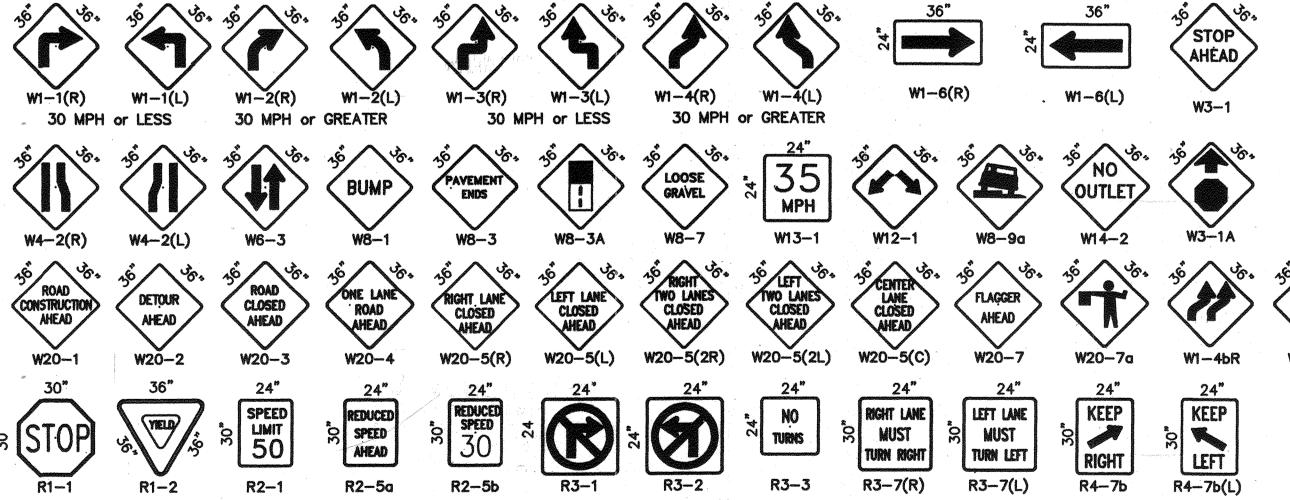
TWO-WAY TRAFFIC TAPER	1/2 L MINIMUM 100 FEET MAXIMUM
DOWNSTREAM TAPERS	100 FEET PER LANE
TAPER LENGTH COM	PUTATION
SPEED LIMIT	
40 MPH OR LESS	$L = \frac{WS^2}{60}$
45 MPH OR GREATER	$L = W \times S$
L = TAPER LENGTH W = WIDTH OF OFFSET IN S = POSTED SPEED OR O	

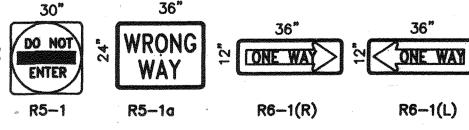
CITY OF ALBUQUERQ	JE				
PUBLIC WORKS DEPARTI	ME	NT	•		
ENGINEERING DEVELOPMENT	Γ (	GR(	UC	P	
TITLE: EXPANSION JOINT REPAIR FOR 1ST PLA	ZΑ	. &	21	۷D	
SIGNING AND CONSTRUCTION TRAFFIC CO	٩П	D.	M	27	

ESIGN REVIEW COMMITEE	CITY ENGINEER APPROVAL		MO./DAY/YR.	MO./DAY/YR.
		ATE		
COM	STV	UPD		
		AST		
, ·				

STREET

### SIGN FACE DETAILS

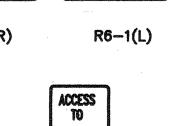




SPECIAL

THRU
TRAFFIC
KEEP
LEFT

SIGN 20



**SPECIAL** 

SIGN

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

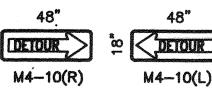
ROAD

CLOSED

CLOSED

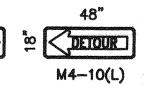
R11-2a

PARKING

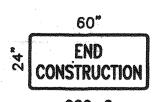


THRU TRAFFIC

R11-4



DETOUR



M4-9(R)

↓ DETOUR

M4-9(L)

Michael a Justinsh RECORD DRAWING Date: February, 2002

These drawings have been revised based on field data and every reasonable attempt has been made to depict construction as actually performed.