LOCATION MAP
ZONE ATLAS MAP K-14-Z

RECONSTRUCTION AND REHABILITATION OF THE COAL AVENUE BRIDGE AND SECOND STREET , S.W.

I HEREBY CERTIFY THAT THIS PROJECT WAS CONSTRUCTED IN GENERAL CONFORMANCE WITH THE PLANS AND SPECIFICATIONS SHOWN HEREON AND THAT THESE DRAWINGS HAVE BEEN REVISED IN ACCORDANCE WITH INFORMATION PROVIDED BY THE CONTRACTOR AND CITY INSPECTION PERSONEL.

CARLOS G. PADILLA P.E. No. 11040 — DATE 10/24/95

APPROVAL OF AS BUILT DRAWINGS
CHIEF CONSTRUCTION ENGINEER
DATE 11/2/95

INDEX OF SHEETS

GENERAL NOTES

1.) ALL WORK DETAILED ON THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS, PUBLIC WORKS CONSTRUCTION, 1986 (REFERRED TO HEREIN AS "STANDARD SPECIFICATIONS"), WITH THE EXCEPTION OF CERTAIN ITEMS OF BRIDGE WORK. SEE NOTE 1, SHEET 2.

2.) CONTRACTOR SHALL COORDINATE WITH THE WATER SYSTEMS DIVISION THREE (3) WORKING DAYS PRIOR TO INITIATING ANY WORK AFFECTING EXISTING PUBLIC WATER UTILITIES.

3.) TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION CONTRACTOR MUST NOTIFY NEW MEXICO ONE CALL SYSTEM, (505) 260-1990, FOR LOCATION OF EXISTING UNDERGROUND UTILITIES. THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY, IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE LINE LOCATING SERVICE FOR EXACT LINE LOCATIONS.

4.) 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 ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM DELAY.

5.) ALL GAS, ELECTRIC, TELEPHONE LINES, CABLE, AND APPURTENANCES ENCOUNTERED DURING CONSTRUCTION THAT REQUIRE RELOCATION, SHALL BE RELOCATED BY THE RESPONSIBLE UTILITY COMPANY. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL NECESSARY UTILITY ADJUSTMENTS.

6.) IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT AND MAINTAIN IN SERVICE ALL EXISTING UTILITIES UNLESS OTHERWISE INDICATED ON THE PLANS

7.) BACKFILL COMPACTION IN STREET AREAS SHALL BE ACCORDING TO SPECIFIED STREET USE.

8.) ALL TRENCH BACKFILL OUTSIDE OF STREET AREAS SHALL BE COMPACTED TO A MINIMUM OF 90% MAXIMUM DENSITY AS DETERMINED BY ASTM D-1557. OR ASTM D-698 AS REQUIRED BY THE THE TYPE OF SOIL ENCOUNTERED.

9.) WHEN ABUTTING NEW PAVEMENT TO EXISTING, SAWCUT EXISTING PAVEMENT TO STRAIGHT EDGE AND AT A RIGHT ANGLE, OR AS APPROVED BY THE PROJECT ENGINEER, TO REMOVE ANY OR ALL CRACKED PAVEMENT.

10.) SIDEWALKS AND WHEELCHAIR RAMPS SHALL BE CONSTRUCTED WITHIN THE CURB RETURNS WHEREVER A NEW CURB RETURN IS CONSTRUCTED FOR ALL DRIVES INTERSECTING PUBLIC RIGHT-OF-WAY.

11.) IF THE CURB IS DEPRESSED FOR A DRIVE PAD OR A HANDICAP RAMP, THE DRIVEPAD OR RAMP SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF THE CURB AND GUTTER.

12.) ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES, AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.

13.) CONTRACTOR SHALL MAINTAIN ACCESS TO ADJACENT PROPERTIES DURING CONSTRUCTION.

14.) THE CONTRACTOR WILL BE REQUIRED TO CONFINE HIS WORK WITHIN THE CONSTRUCTION LIMITS AND/OR PUBLIC RIGHT-OF-WAY TO PRESERVE EXISTING VEGETATION AND PRIVATE PROPERTY. OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAYS OR DESIGNATED TRAFFIC LANES.

15.) A DISPOSAL SITE FOR ALL EXCESS EXCAVATED MATERIAL, ASPHALTIC PAVING, CONCRETE CURB AND SIDEWALKS, ETC., SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE ENVIRONMENTAL REGULATIONS AND APPROVED BY THE PROJECT ENGINEER, 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.

GENERAL NOTES

16.) A SURVEY OF THE PROJECT SITE TO INCLUDE PHOTOGRAPHS OR VIDEO SHALL BE MADE BY THE CONTRACTOR AND THE ENGINEER PRIOR TO COMMENCING WORK. ANY PAVEMENT, CURB AND GUTTER, SIDEWALK, LANDSCAPING, UTILITIES, OR OTHER ITEMS IDENTIFIED BY THE ENGINEER THAT ARE DAMAGED OR DESTROYED DURING THE COURSE OF THE WORK SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE, SUCH REPAIR OR REPLACEMENT WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CONTRACT DOUCMENTS.

17.) THE EXISTING 4" GAS LINE IN SECOND STREET WILL BE REPLACED BY GAS COMPANY PERSONNEL. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE GAS COMPANY OF N.M. TO FACILITATE THE REPLACEMENT. THE CONTRACTOR'S COORDINATION EFFORTS SHALL BE INCIDENTAL TO COMPLETION OF THE WORK AND NO ADJUSTMENTS TO PAYMENT OR CONTRACT TIME WILL BE ALLOWED.

18.) THE CONTRACTOR SHALL EXERCISE CARE TO AVOID DISTURBING EXISTING UNDERGROUND UTILITIES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH THE UTILITY COMPANIES IN ORDER TO PREVENT ANY SERVICE DISRUPTION.

19.) PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL INSTALL A TEMPORARY CONSTRUCTION CHAIN LINK FENCE AS SHOWN ON SHEET 3. THE CONTRACTOR SHALL TAKE DUE CARE TO ENSURE THAT CONSTRUCTION DEBRIS IS CONTAINED WITHIN THE CONFINES OF THE CONSTRUCTION FENCING AND IS NOT ALLOWED TO FALL ON ADJACENT PROPERTY. THE TEMPORARY CONSTRUCTION FENCING WILL BE INCIDENTAL TO CONSTRUCTION AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR. FENCING SHALL BE REMOVED AT THE COMPLETION OF CONSTRUCTION OPERATIONS.

26-4018.91 6192

1/90027.13CD1/COVER.DWG/3-31-92/JDM

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE

APPROVAL OF REVISIONS

PLANS PREPARED UNDER DIRECTION OF:

DATE:

AVID ENGINEERING, INC.
Civil • Structural • Transportation
6100 Seagull St. NE – Suite 102
Albuquerque, NM 87109 – (505) 881-5307

PROJECT NO. 4018.91

APPROVED FOR CONSTRUCTION

CITY ENGINEER

SHEET 1 OF ~~25~~ 28

GENERAL NOTES

1. ALL WORK TO BE PERFORMED UNDER CONTRACT SHALL BE DONE IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION, AS MODIFIED BY THE CONTRACT SPECIAL PROVISIONS AND SUPPLEMENTAL TECHNICAL SPECIFICATIONS EXCEPT THAT CONSTRUCTION ACTIVITIES ASSOCIATED WITH THE CONSTRUCTION/REHABILITATION OF THE BRIDGE SHALL IN PART BE GOVERNED BY THE NEW MEXICO STATE HIGHWAY DEPARTMENT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 1984 EDITION, AS LISTED BELOW. IN CASE A CONFLICT OCCURS BETWEEN SPECIFICATIONS, THE MORE STRINGENT SPECIFICATIONS SHALL APPLY. BRIDGE WORK ASSOCIATED WITH THE COMPLETION OF THE ITEMS LISTED BELOW SHALL BE PERFORMED IN ACCORDANCE WITH THE CORRESPONDING SECTIONS OF THE NEW MEXICO STATE HIGHWAY AND TRANSPORTATION DEPARTMENT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 1984 EDITION, AND THE SUPPLEMENTAL TECHNICAL SPECIFICATIONS.

ITEM NO.	GOVERNING NMSHTD STANDARD SPECIFICATIONS/SUPPLEMENTAL TECHNICAL SPECIFICATIONS
202001	SECTION 202 REMOVAL OF STRUCTURES AND OBSTRUCTIONS
451045	S.T.S. CONCRETE REMOVAL & REPAIRS
504010, 504015& 504016 (INCIDENTAL TO CONCRETE)	SECTION 504.01 THRU 504.03 STEEL REINFORCEMENT
509050	SECTION 503.038 & 503.039 PORTLAND CEMENT CONCRETE SECTION 509.01 & 509.03 THRU 509.05 CONCRETE STRUCTURES S.T.S. PORTLAND CEMENT CONCRETE S.T.S. CONCRETE STRUCTURES
509904	S.T.S. SPECIAL SURFACE FINISH ON EXISTING CONCRETE
510090	S.T.S. REMOVE AND RESET BRIDGE RAILING
515005	S.T.S. ELASTOMERIC EXPANSION JOINT SEALS
516530	S.T.S. PENETRATING WATER REPELLANT TREATMENT
516545	S.T.S. PIER AND ABUTMENT REPAIR
516548	S.T.S. EPOXY INJECTION
INCIDENTAL	SECTION 509.037(e) SPECIAL SURFACE FINISH FOR NEW CONCRETE SURFACES SECTION 615 PAINT S.T.S. PROTECTIVE COATING OF NEW STEEL BRIDGE RAILING AND MISCELLANEOUS STRUCTURAL STEEL, TYPE 2

NEW MEXICO STATE HIGHWAY DEPARTMENT STANDARD SPECIFICATIONS INCORPORATED HEREIN SHALL BE INTERPRETED USING THE FOLLOWING LIST. REFERENCES LISTED TO THE RIGHT ARE TO REPLACE THOSE ON THE LEFT WHERE THOSE ON THE LEFT APPEAR IN THE TEXT.

REFERENCE	REPLACE WITH
NEW MEXICO STATE HIGHWAY DEPARTMENT	- CITY OF ALBUQUERQUE
PROJECT MANAGER	- ENGINEER
CHIEF HIGHWAY ADMINISTRATOR	- PUBLIC WORKS DIRECTOR
DEPARTMENT	- CITY
MATERIALS LABORATORY BUREAU	- CITY MATERIALS LAB
BRIDGE ENGINEER	- ENGINEER
STATE	- CITY

2. CONCRETE FOR STRUCTURAL CAST-IN-PLACE CONCRETE: ALL CONCRETE SHALL CONFORM TO CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AS MODIFIED IN THE SUPPLEMENTAL TECHNICAL SPECIFICATIONS. CHAMFER ALL EXPOSED EDGES 3/4 INCH UNLESS NOTED OTHERWISE ON DETAILS.

3. REINFORCING BARS SHALL CONFORM TO A.A.S.H.T.O. SPECIFICATION M-31, GRADE 60 UNLESS NOTED OTHERWISE ON THE DETAILS. DIMENSIONS REFER TO CENTERLINE OF BARS UNLESS NOTED OTHERWISE ON THE DETAILS.

4. BRIDGE SEATS: AFTER COMPLETION OF THE RIGID FRAME REPLACEMENT, ABUTMENT No. 2 BACKWALL REPAIR AND OTHER MISCELLANEOUS REPAIRS, TOP SURFACE OF ALL BRIDGE SEATS SHALL BE THOROUGHLY CLEANED OF ALL DIRT, CONCRETE AND OTHER DEPOSITED MATERIAL.

5. SPECIAL FINISH FOR CONCRETE SURFACES: THE OUTSIDE FACE OF NEW CURB AND SIDEWALK, SOFFIT OF THE SIDEWALK SLAB, EXPOSED SURFACES OF THE RIGID FRAME REPLACEMENT, RETAINING WALLS, ABUTMENT No. 2 BACKWALL REPAIR AND ALL EXISTING SURFACES CONTAINING THE SPECIAL FINISH THAT ARE REMOVED DURING THE REPAIR PROCESS, SHALL RECEIVE A SPECIAL SURFACE FINISH IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 509.037 (e) FOR NEW SURFACES AND IN ACCORDANCE WITH THE SUPPLEMENTAL TECHNICAL SPECIFICATION - SPECIAL SURFACE FINISH ON EXISTING SURFACES. THE BASIC COLOR OF THE FINISH TO BE FLAGSTONE BROWN, ADJUSTED AS NECESSARY TO MATCH THE COLOR OF THE EXISTING FINISH. TRIAL COLOR SAMPLES ARE TO BE PREPARED AND APPROVED BY THE ENGINEER PRIOR TO APPLICATION OF THE FINISH.

6. JOINT FILLERS: ALL PREFORMED BITUMINOUS JOINT FILLER SHALL CONFORM TO A.A.S.H.T.O. SPECIFICATION M-213. COST OF ALL JOINT FILLER IN PLACE IS INCIDENTAL TO THE COMPLETION OF THE WORK AND NO DIRECT PAYMENT WILL BE MADE THEREFOR.

7 VERIFICATION OF EXISTING STRUCTURE: CONTRACTOR SHALL VERIFY IN THE FIELD, ALL DIMENSIONS, ELEVATIONS AND DETAILS PERTAINING TO THE EXISTING STRUCTURE WHICH WILL BE INVOLVED IN THE NEW CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.

8. PAINT: ALL EXISTING CURB AND SIDEWALK PLATES AND THOSE AREAS THAT ARE PEELING ON THE STEEL BEAMS IN SPAN No. 17 SHALL BE CLEANED AND REPAINTED IN CONFORMANCE WITH THE REQUIREMENTS OF THE SUPPLEMENTAL TECHNICAL SPECIFICATION FOR PROTECTIVE COATING OF NEW STEEL RAILING AND MISCELLANEOUS STRUCTURAL STEEL, TYPE 2. COST OF CLEANING AND REPAINTING IS INCIDENTAL TO THE COMPLETION OF THE WORK AND NO DIRECT PAYMENT WILL BE MADE THEREFOR.

9. CARE SHALL BE TAKEN DURING ALL REMOVAL OPERATIONS TO PREVENT DAMAGE TO PORTIONS OF THE STRUCTURES THAT ARE TO REMAIN IN PLACE. COMPACTED FILL UNDER PORTIONS OF SIDEWALK, CURB & GUTTER, AND CONCRETE PAVEMENT THAT IS TO REMAIN MUST NOT BE DISTURBED. ANY DAMAGE TO MEMBERS BEING RETAINED, CAUSED BY THE CONTRACTOR'S OPERATIONS SHALL BE SATISFACTORILY REPAIRED AT NO COST TO THE OWNER.

10. ANY EXISTING REINFORCING BARS THAT ARE NOTED OR DETAILED TO REMAIN IN NEW CONSTRUCTION SHALL BE CLEANED OF ALL LOOSE RUST, DIRT, CONCRETE, OR OTHER MATERIAL THAT WOULD INHIBIT BOND. COST OF SUCH CLEANING SHALL BE CONSIDERED INCIDENTAL TO THE WORK AND NO DIRECT PAYMENT SHALL BE MADE THEREFOR.

(GENERAL NOTES CONTINUED)

11. EXISTING CRACKED AND DETERIORATED CURBS AND SIDEWALKS AT EXPANSION JOINTS SHALL BE REPAIRED BY EPOXY INJECTION AS DIRECTED BY THE ENGINEER. AT THOSE LOCATIONS WHERE DETERIORATION HAS PROGRESSED TO THE EXTENT THAT EPOXY INJECTION IS NOT FEASIBLE, THE DETERIORATED AREAS SHALL BE REPAIRED BY REMOVING AND REPLACING UNSOUND CONCRETE WITH NEW MATERIAL. SUCH REPAIRS SHALL BE PERFORMED AND PAID FOR AS, "PIER AND ABUTMENT REPAIR."

12. ALL NEW APPROACH PAVEMENT SLAB JOINTS SHALL BE SEALED AND ALL EXISTING JOINTS TO REMAIN SHALL BE RESEALED IN ACCORDANCE WITH SECTION 107 OF THE STANDARD SPECIFICATIONS. SEE SHEET 14 FOR SILICONE SEALANT DETAIL.

13. CAUTION DURING SIDEWALK AND CURB REMOVALS: ONE ELECTRICAL CONDUIT AND ONE FIRE ALARM CONDUIT ARE EMBEDDED IN BOTH THE SIDEWALK AND CURB. CONCRETE REMOVAL AND CONSTRUCTION OPERATIONS MUST BE PERFORMED IN SUCH A MANNER TO PREVENT DAMAGE OR DISRUPTION OF SERVICE PROVIDED BY THESE CONDUITS. CONDUITS SHALL BE CLEANED AND EMBEDDED IN THE NEW CONCRETE.

14. REMOVAL OF CONCRETE SIDEWALK AND CURB ON EAST APPROACH FOR INSTALLATION OF NEW 3/4" JOINTS SHALL BE ACCOMPLISHED IN ACCORDANCE WITH SUPPLEMENTAL TECHNICAL SPECIFICATIONS FOR CONCRETE REMOVAL AND REPAIR. COST OF REMOVAL, INCLUDING SAWCUTTING, HAULING, CLEANUP AND APPURTENANCES NECESSARY TO COMPLETE THE WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR STRUCTURAL CONCRETE.

15. A PENETRATING WATER REPELLANT TREATMENT IS TO BE APPLIED TO THE FOLLOWING CONCRETE SURFACES AFTER EPOXY INJECTION AND EXPANSION JOINT REPLACEMENT.

    A. TOP OF DECK SLAB
    B. TOP AND SLOPING FACE OF BRIDGE SIDEWALK AND CURB

16. CONCRETE PAVEMENT SPALL REPAIRS SHALL BE MADE IN ACCORDANCE WITH SUPPLEMENTAL TECHNICAL SPECIFICATIONS FOR CONCRETE REMOVAL AND REPAIRS.

17. THE AREAS SHOWN ON THE PHOTO SHEETS, WHICH REQUIRE REPAIR, WERE IDENTIFIED DURING FIELD INSPECTIONS MADE IN OCTOBER OF 1990. ESTIMATED QUANTITIES, BASED UPON THESE INSPECTIONS, WILL IN ALL PROBABILITY BE DIFFERENT AT THE TIME OF ACTUAL CONSTRUCTION.

DESIGN DATA

DESIGN IS IN ACCORDANCE WITH A.A.S.H.T.O. SPECIFICATIONS, DATED 1989 AND INTERIM SPECIFICATIONS.

REINFORCED CONCRETE:
f'c = 4000 PSI @ 28 DAYS
fc = 1600 PSI, fs = 24,000 PSI

EARTH PRESSURE:
36 p.c.f. EQUIVALENT FLUID PRESSURE. 2 FT. SURCHARGE

BRIDGE STRUCTURE

ESTIMATED QUANTITIES

	ITEM No.	ITEM	UNIT	SUPER-STRUCTURE	RIGID FRAME REPLACEMENT	SUB-STRUCTURE	APPROACHES	TOTAL
†	202001	REMOVAL OF STRUCTURES & OBSTRUCTIONS	L.S.					L.S.
	451045	CONCRETE PAVEMENT SPALL REPAIR	S.Y.				4	4
**	452020	SEALING CONCRETE PAVEMENT JOINTS	L.F.				1,585	1,585
**	452025	RESEALING CONCRETE PAVEMENT JOINTS	L.F.				1,430	1,430
*	504010	REINFORCING BARS, GRADE 40	LB.		470	50		520
*	504015	REINFORCING BARS, GRADE 60	LB.		9,160	160	320	9,640
*	504016	REPLACEMENT OF REINFORCING BARS, GRADE 60	LB.				680	680
	509050	STRUCTURAL CONCRETE	C.Y.		98	1	6	105
	509904	SPECIAL SURFACE FINISH ON EXISTING CONCRETE	S.F.			100		100
	510090	REMOVE AND RESET BRIDGE RAILING	L.F.	80				80
	515005	ELASTOMERIC EXPANSION JOINT SEAL	L.F.	857				857
	516530	PENETRATING WATER REPELLANT TREATMENT	S.Y.	5,592				5,592
	516545	PIER AND ABUTMENT REPAIR	S.F.	60		160		220
	516548	EPOXY INJECTION	GAL.	3		3		6
	0205.01	FILL, BORROW, HAUL & COMPACTION	C.Y.		420			420
	0337.04	CONCRETE PAVEMENT - 8" THICK W/FLY ASH, COMPLETE IN PLACE	S.Y.		178		538	716
	0343.05	EXISTING PAVEMENT, CONCRETE, MORE THAN 4", SAW CUT, REMOVE & DISPOSE, COMPLETE	S.Y.		85		538	623

† THIS ITEM CONSISTS OF REMOVAL OF THE RIGID FRAME STRUCTURE, SIDEWALK AND CURB THAT MUST BE REMOVED IN CONJUNCTION WITH RIGID FRAME AND THE DESIGNATED PORTION OF ABUTMENT NO. 2 BACKWALL AND ADJACENT SIDEWALK. SEE DETAILS ON SHEET NO. 5.

* REINFORCING QUANTITIES SHOWN ARE FOR CONTRACTOR'S INFORMATION ONLY. COST FOR REINFORCING SHALL BE INCLUDED IN THE UNIT PRICE OF CONCRETE.

** QUANTITIES SHOWN FOR SEALING AND RESEALING CONCRETE PAVEMENT JOINTS ARE FOR CONTRACTOR'S INFORMATION ONLY. COST OF JOINT SEALING IS TO BE CONSIDERED INCIDENTAL AND NO DIRECT PAYMENT WILL BE MADE THEREFOR.

SUPPLEMENTAL TECHNICAL SPECIFICATIONS

- PORTLAND CEMENT CONCRETE
- CONCRETE STRUCTURES
- ELASTOMERIC EXPANSION JOINT SEALS
- PENETRATING WATER REPELLANT TREATMENT
- SPECIAL SURFACE FINISH ON EXISTING CONCRETE
- PROTECTIVE COATING OF NEW STEEL BRIDGE RAILING AND MISCELLANEOUS STRUCTURAL STEEL, TYPE 2 SECTION 615-B (11/1/90)
- REMOVE AND RESET BRIDGE RAILING
- PIER AND ABUTMENT REPAIR
- CONCRETE REMOVAL AND REPAIRS (01/21/85)
- EPOXY INJECTION (10/04/89)

DRAWINGS REQUIRED

SHT. NO.	
2	GENERAL NOTES AND ESTIMATED QUANTITIES
3	LAYOUT PLAN
4	CONCRETE RIGID FRAME REPLACEMENT DETAILS
5	REPAIR DETAILS AT ABUTMENT No. 2 & MISCELLANEOUS DETAILS
6	PHOTO SHEET No. 1
7	PHOTO SHEET No. 2
8	PHOTO SHEET No. 3
9	REINFORCING BAR SCHEDULE
16 & 17	ELASTOMERIC EXPANSION JOINT SEALS FOR BRIDGES SERIAL BJS-001, & 003
18	STANDARD JOINT DETAILS SERIAL LJD-001

INCIDENTAL ITEMS

1. PREFORMED BITUMINOUS JOINT FILLER.
2. SPECIAL SURFACE FINISH FOR NEW CONCRETE SURFACES.
3. SAWCUTTING CONCRETE FOR REMOVAL OPERATIONS.
4. CLEANING EXISTING REINFORCING BARS FOR RETENTION IN NEW CONCRETE.
5. CLEANING AND REPAINTING ALL SIDEWALK AND CURB PLATES AND PEELING AREAS ON STEEL BEAMS IN SPAN No. 17.
6. DRILLING AND EPOXYING REBARS.
7. SEALING AND RESEALING CONCRETE PAVEMENT JOINTS.

NOTE: ITEMS LISTED ABOVE ARE ONLY A GENERAL DESCRIPTION OF THE REQUIRED WORK AND MATERIALS, AND MAY NOT BE COMPLETE.

THIS LIST DOES NOT INCLUDE ANY INCIDENTAL WORK OR MATERIAL REQUIRED BY SPECIAL PROVISIONS, SERIALS (STANDARD DETAILS) SUPPLEMENTAL SPECIFICATIONS OR THE STANDARD SPECIFICATIONS.

SCOPE OF WORK

COAL AVENUE OVERPASS AND APPROACHES

A. REMOVE RIGID FRAME STRUCTURE, REPLACE WITH RETAINING WALLS AND FILL. SEE SHEET 4.

B. REMOVE AND REPLACE ALL BRIDGE EXPANSION JOINTS (18 TOTAL). PAINT CURB AND SIDEWALK PLATES.

C. REMOVE AND REPLACE APPROACH PAVEMENT SLABS AND REPAIR PAVEMENT SPALLS AS DESIGNATED ON SHEET 3.

D. EPOXY INJECT CRACKS IN SUPERSTRUCTURE AND SUBSTRUCTURE. REPAIR CONCRETE SPALLS AND AREAS OF DELAMINATION. SEE PHOTO SHEETS 6 THROUGH 8.

E. REMOVE AND REPLACE NORTH END OF ABUTMENT NO. 2 BACKWALL. INSTALL NEW JOINTS IN SIDEWALK AND CURB EAST OF ABUTMENT NO. 2. SEE SHEET 5.

F. APPLY PENETRATING WATER REPELLANT TREATMENT TO AREAS DESIGNATED IN GENERAL NOTE 15.

26-4018.91 0296

AS BUILT INFORMATION
CONTRACTOR MOORE & CONNAET CONTR.
WORK STAKED BY MOORE & CONNAET DATE 6/94
ACCEPTANCE BY C.O.A. DATE 9/95
FIELD VERIFICATION BY C.O.A. DATE 9/95
DRAWINGS CORRECTED BY DAVID ENG. DATE 10/95
MICRO-FILM INFORMATION
RECORDED BY
DATE
NO.

BENCH MARKS
N.E. Corner Lead & Third Streets
B.M. 3-K14 Elev 4950.564
S.W. Corner Lead & Broadway
B.M. 5-K14A Elev 4965.213

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	

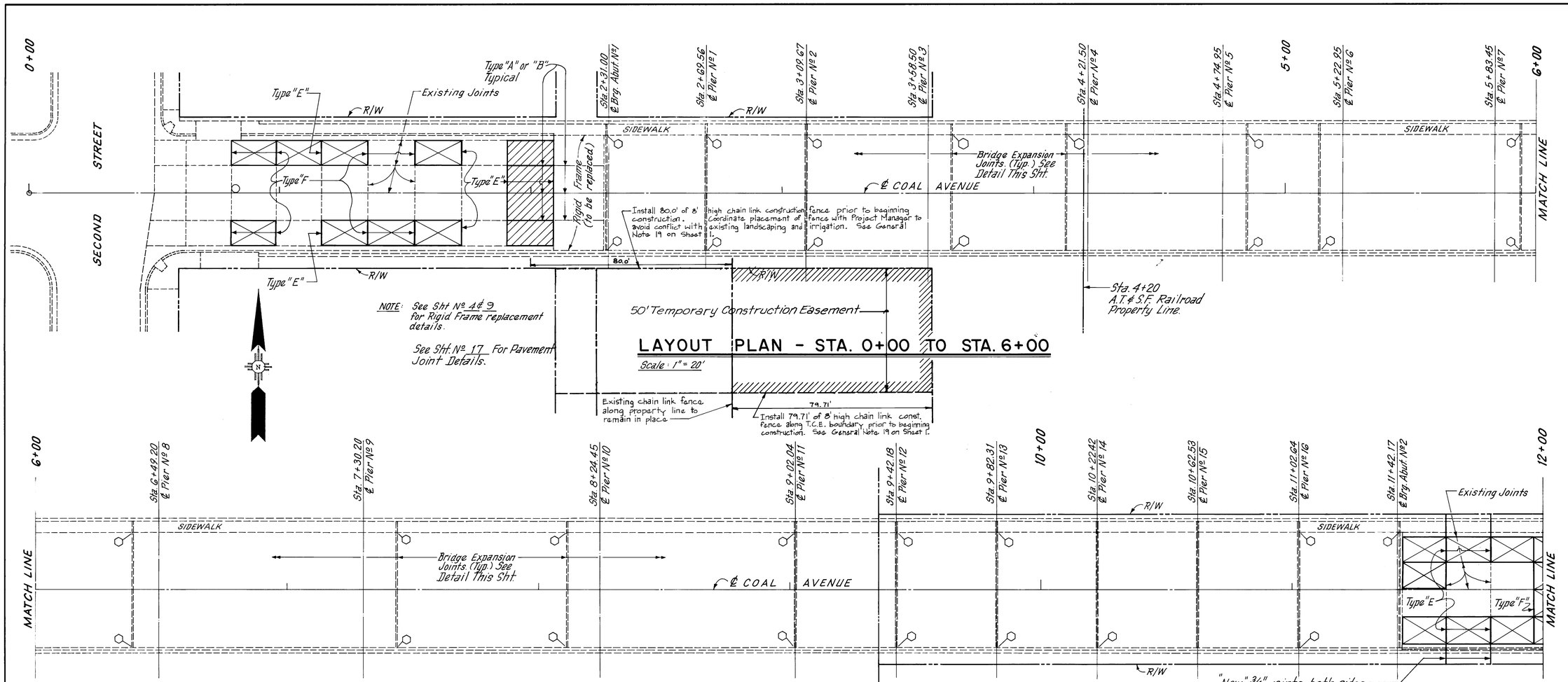
DESIGN
DESIGNED BY D. Spring DATE 8/91
DRAWN BY H. Smith DATE 8/91
CHECKED BY DATE 3/92

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: COAL AVENUE OVERPASS REHABILITATION
GENERAL NOTES & ESTIMATED QUANTITIES

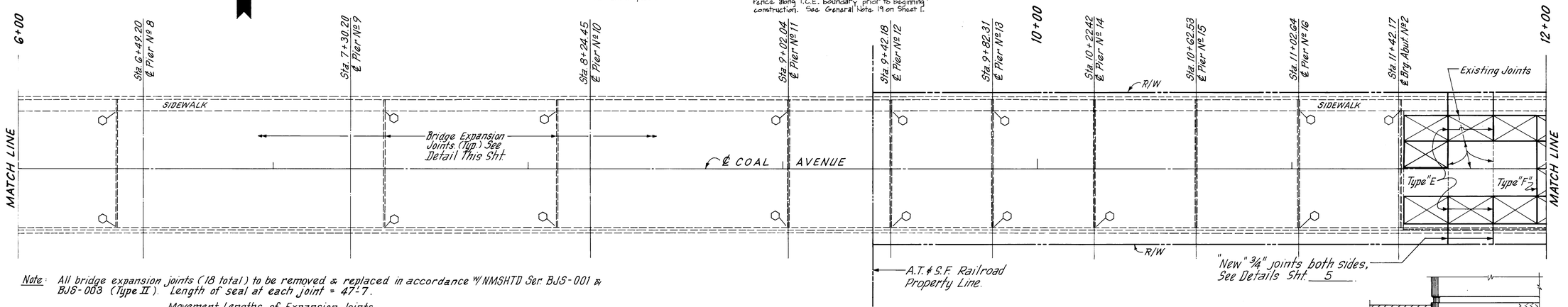
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	[signature]	4-22-92	WATER	[signature]	4-22-92
TRANSPORTATION	[signature]	4-17-92	WASTE WATER	[signature]	"
HYDROLOGY	[signature]	4-22-92			

PROJECT NO. 4018.91 | MAP NO. K-14N | SHEET 2 OF 28



LAYOUT PLAN - STA. 0+00 TO STA. 6+00

Scale: 1" = 20'



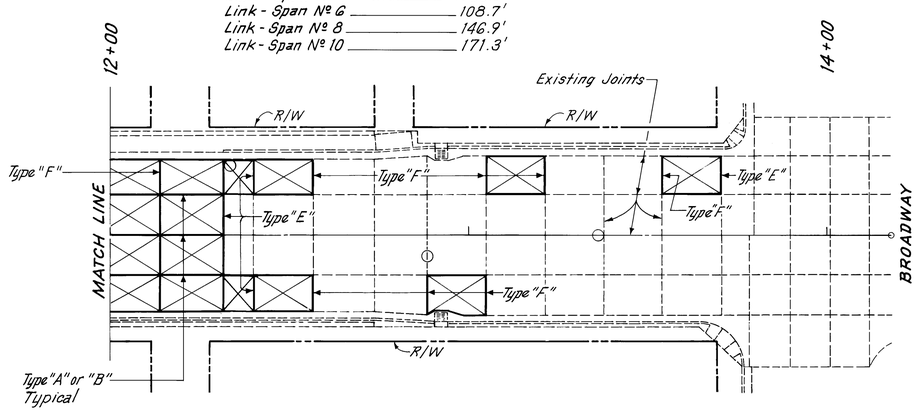
Note: All bridge expansion joints (18 total) to be removed & replaced in accordance w/ NMSHTD Ser. BJS-001 & BJS-003 (Type II). Length of seal at each joint = 47'-7.

Movement Lengths of Expansion Joints

Abutments & Hinges - Spans 4, 6, 8 & 10	- Zero -
Pier Nº 1	38.1'
Pier Nº 2 & Nºs 11 thru 16	39.0'
Link - Span Nº 4	165.0'
Link - Span Nº 6	108.7'
Link - Span Nº 8	146.9'
Link - Span Nº 10	171.3'

LAYOUT PLAN - STA. 6+00 TO STA. 12+00

Scale: 1" = 20'



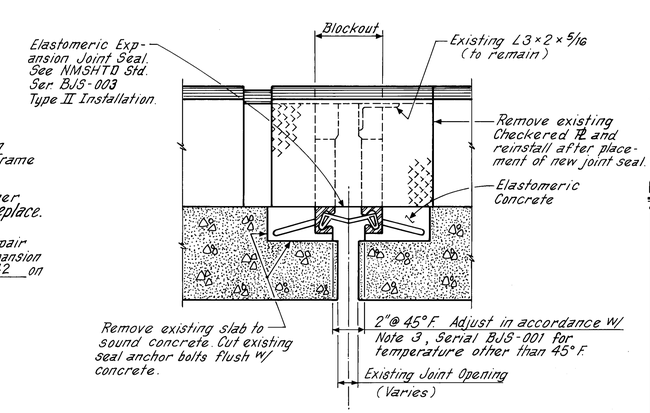
LAYOUT PLAN - STA. 12+00 TO STA. 14+00

Scale: 1" = 20'

2C-40.18.91 10396

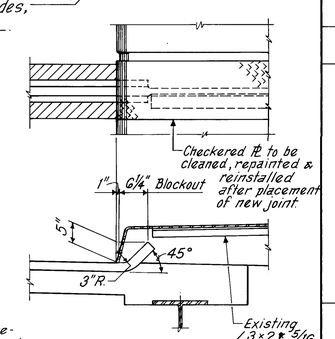
LEGEND

- ☒ - Remove & Replace
- ▨ - Remove & Replace in conjunction w/ Rigid Frame replacement.
- ○ - Spall or Broken Corner location - Remove & Replace. Pay Item 451045
- ⬡ - Curb & Sidewalk repair location @ Bridge Expansion Joints. See Photo Nº 42 on Sht. Nº 8.



TYPICAL BRIDGE EXPANSION JOINT

Scale: 3" = 1'-0



EXP. JOINT @ CURB AND SIDEWALK

SCALE: 3/4" = 1'-0

AS BUILT INFORMATION
CONTRACTOR Moore & Conway CONT.
WORK STAKED BY Moore & Conway DATE 6/94
INSPECTOR'S NOTICE BY C.O.A. DATE 9/95
FIELD VERIFICATION BY C.O.A. DATE 9/95
DRAWINGS CORRECTED BY AVID Eng. DATE 10/95
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
1	ALBUQUERQUE SURVEY CO. INC.	10/90

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY D. Spring DATE 8/91
DRAWN BY H. Smith DATE 8/91
CHECKED BY DATE 8/91

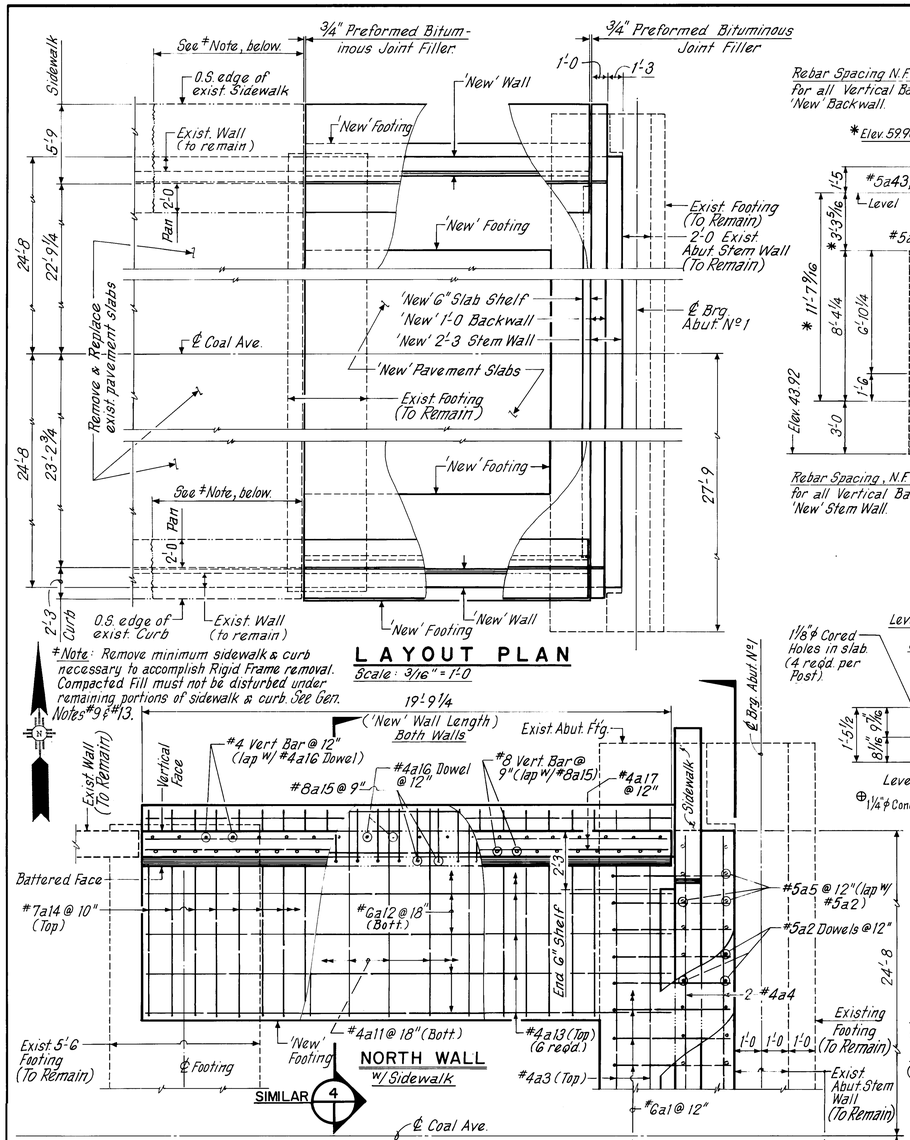
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: COAL AVENUE OVERPASS REHABILITATION

LAYOUT PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	[illegible]	6-17-92	WATER	[illegible]	4-22-92
TRANSPORTATION	[illegible]	6-17-92	WASTE WATER	[illegible]	..
HYDROLOGY	NA				

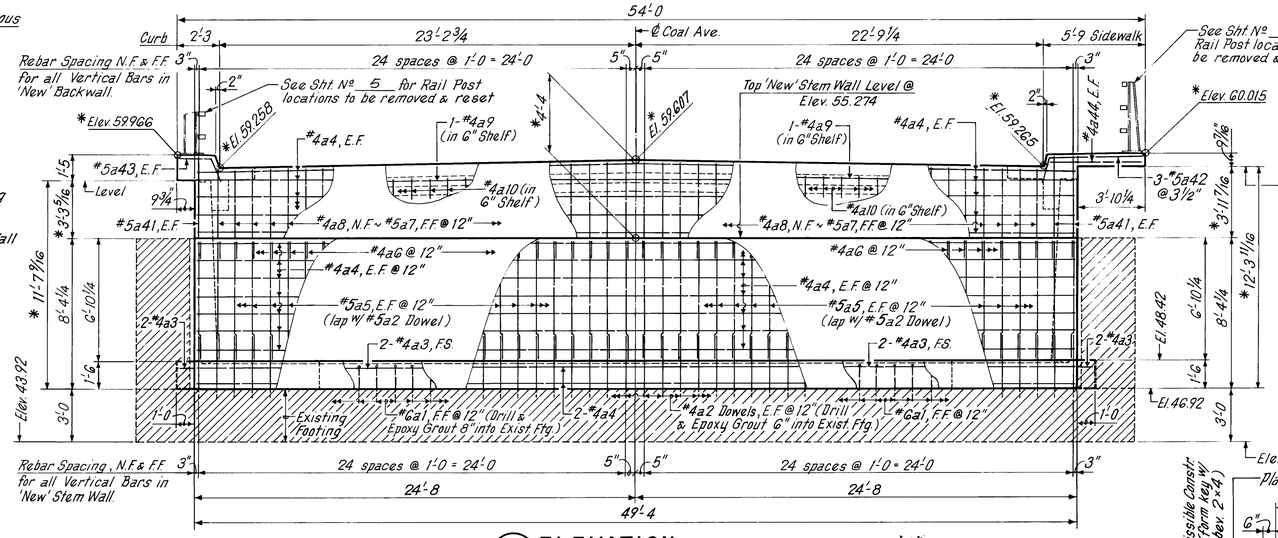
PROJECT NO. 4018.91 | MAP NO. K-14N | SHEET 3 OF 28



‡Note: Remove minimum sidewalk & curb necessary to accomplish Rigid Frame removal. Compacted Fill must not be disturbed under remaining portions of sidewalk & curb. See Gen. Notes #9 & #13.

LAYOUT PLAN

Scale: 3/16" = 1'-0



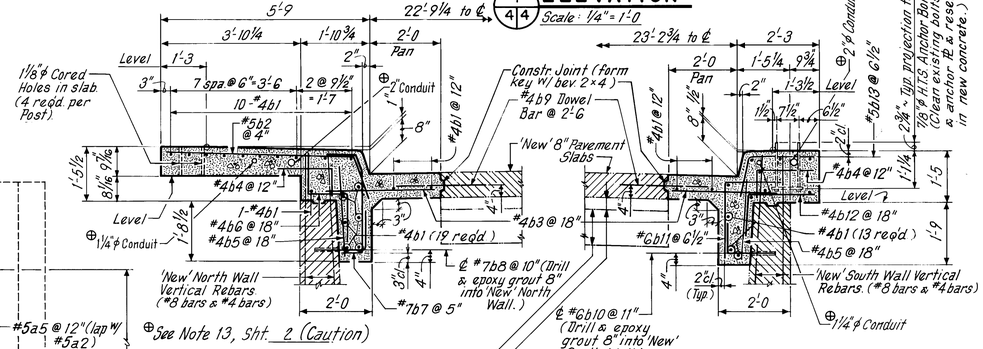
* Dimensions & Elevations at Front Face of Backwall.

Note: All dimensions & elevations shown are to be verified in the Field prior to begining of construction.

Note: Add 4900 to all Elevations shown.

ELEVATION

Scale: 1/4" = 1'-0



SIDEWALK DETAIL

Scale: 1/2" = 1'-0

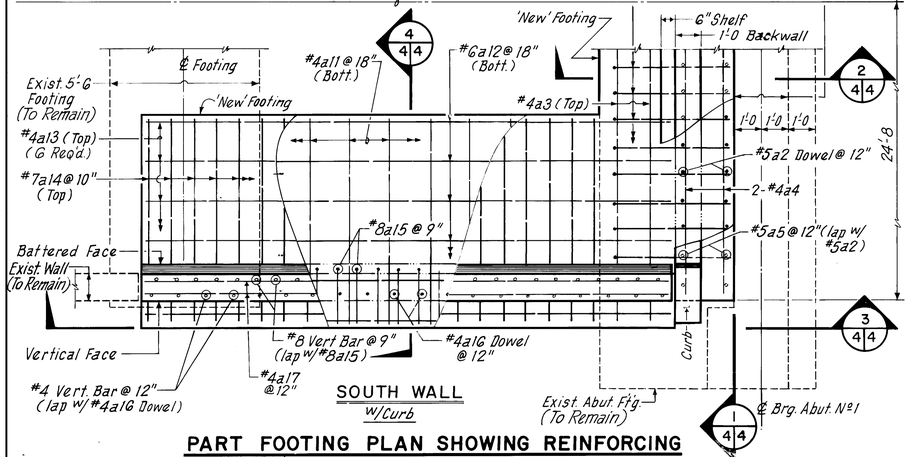
CURB DETAIL

Scale: 1/2" = 1'-0

NORTH WALL

w/ Sidewalk

SIMILAR 4/4

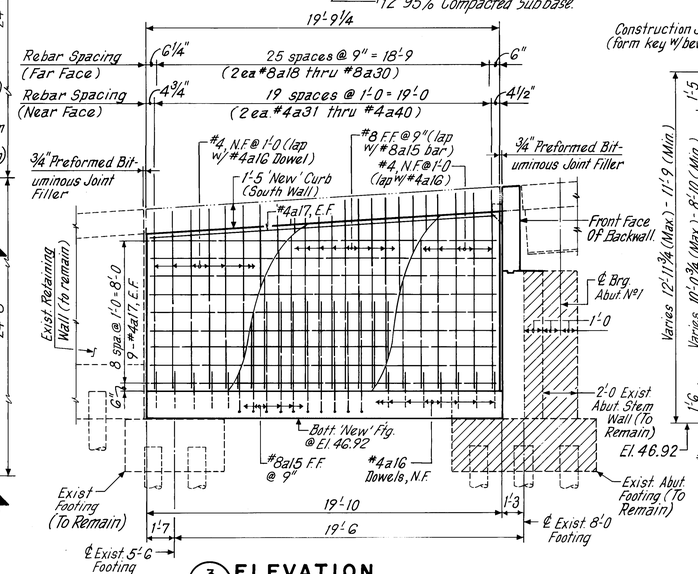


SOUTH WALL

w/ Curb

PART FOOTING PLAN SHOWING REINFORCING

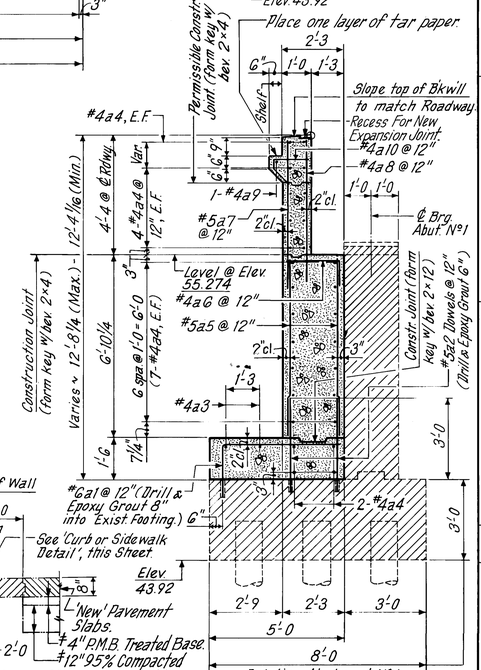
Scale: 3/8" = 1'-0



ELEVATION

Scale: 1/4" = 1'-0

SOUTH WALL - SHOWN
NORTH WALL - SIMILAR



SECTION

Scale: 3/8" = 1'-0

‡ Cost Of 4" P.M.B. Treated Base And Compacted Subbase Shall Be Included In Unit Price Bid For 8" PCC Pavement.

26-4018.91 0496

AS BUILT INFORMATION

CONTRACTOR Moore & Lowart Const.		
STAKED BY Moore & Lowart	DATE 6/94	
INSPECTOR'S ACCEPTANCE BY C.O.A.	DATE 9/95	
FIELD VERIFICATION BY C.O.A.	DATE 9/95	
DRAWINGS CORRECTED BY AVID 2/6	DATE 10/95	

MICRO-FILM INFORMATION

RECORDED BY	
DATE	
NO.	

BENCH MARKS

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
1	ALBUQUERQUE	10/90
	SURVEY CO. INC	

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGN

DESIGNED BY D. Spring	DATE 8/91	
DRAWN BY H. Smith	DATE 8/91	
CHECKED BY	DATE 2/91	

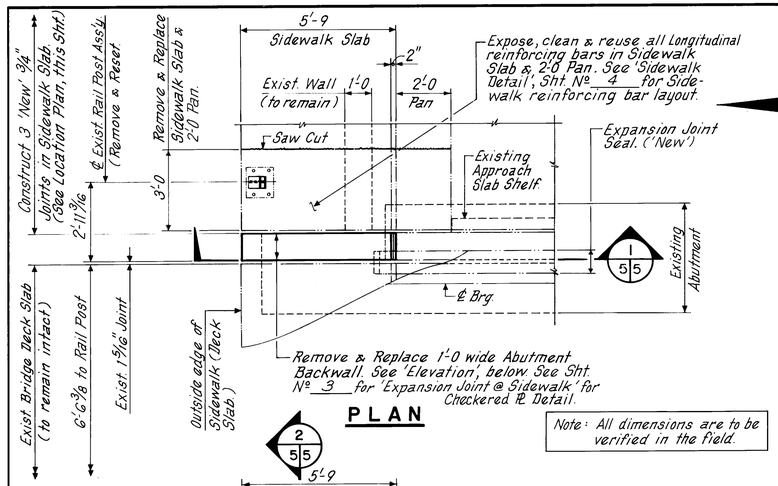
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: COAL AVENUE OVERPASS REHABILITATION

CONCRETE RIGID FRAME REPLACEMENT DETAILS

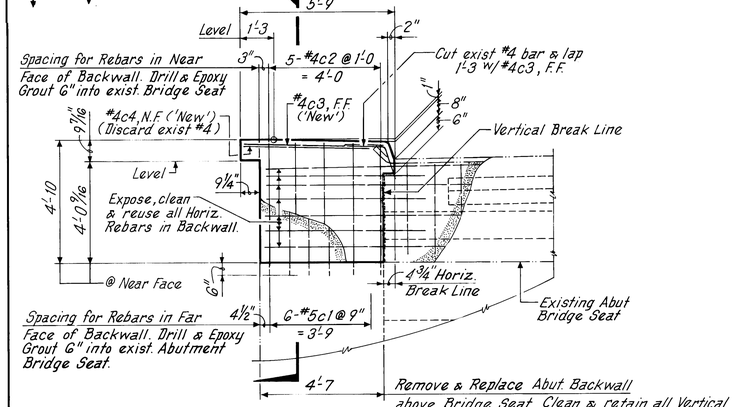
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	[illegible]	[illegible]	WATER	N/A	
TRANSPORTATION	[illegible]	6-17-92	WASTE WATER		
HYDROLOGY	NA				

PROJECT NO.	MAP NO.	SHEET	OF
4018.91	K-14N	4	28



PLAN

Note: All dimensions are to be verified in the field.

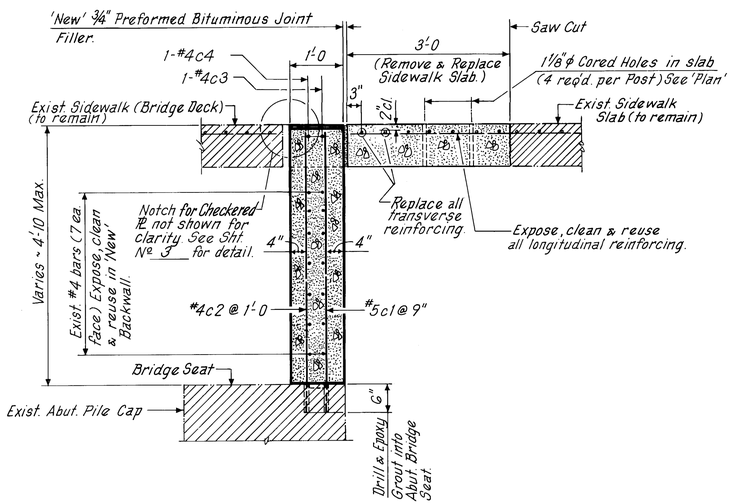


1/5 ELEVATION

BACKWALL REPAIR DETAILS @ ABUTMENT № 2

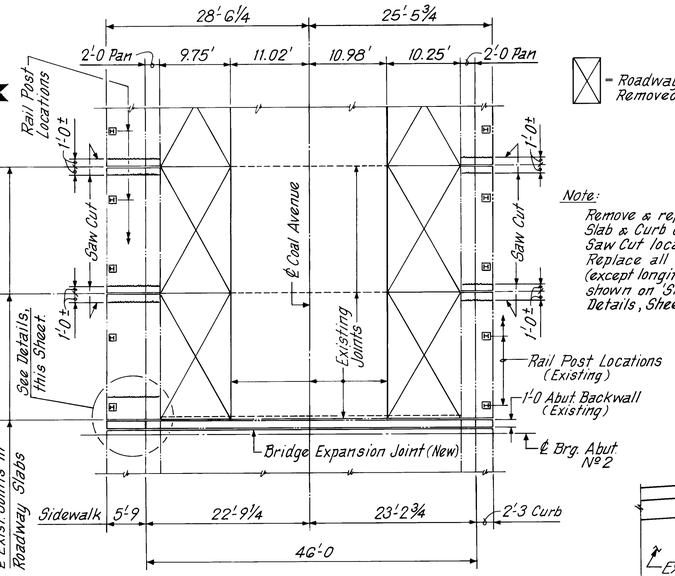
Scale: 3/8" = 1'-0

(NORTH SIDE, ONLY.)



2/5 SECTION

Scale: 3/4" = 1'-0

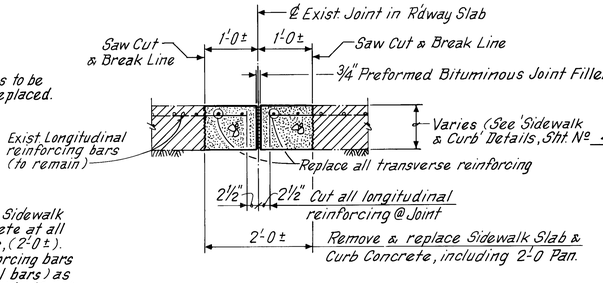


LOCATION PLAN FOR 'NEW' ¾" JOINTS IN SIDEWALK SLAB & CURB

Scale: 1" = 10'

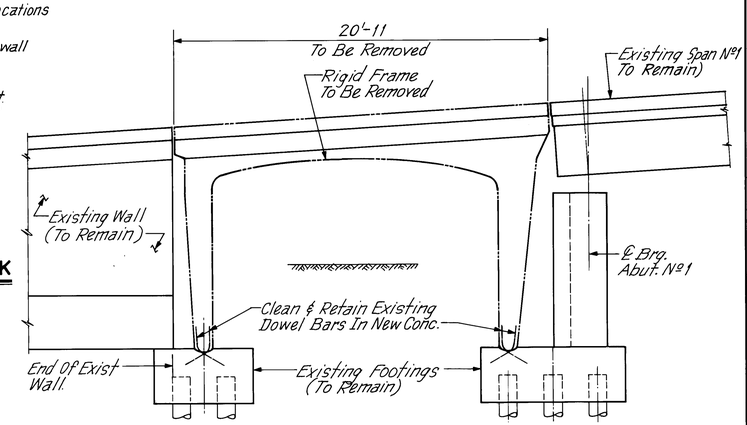
= Roadway Slabs to be Removed & Replaced.

Note:
Remove & replace Sidewalk Slab & Curb concrete at all Saw Cut locations, (2'-0 ±). Replace all reinforcing bars (except longitudinal bars) as shown on 'Sidewalk' & 'Curb' Details, Sheet № 4.

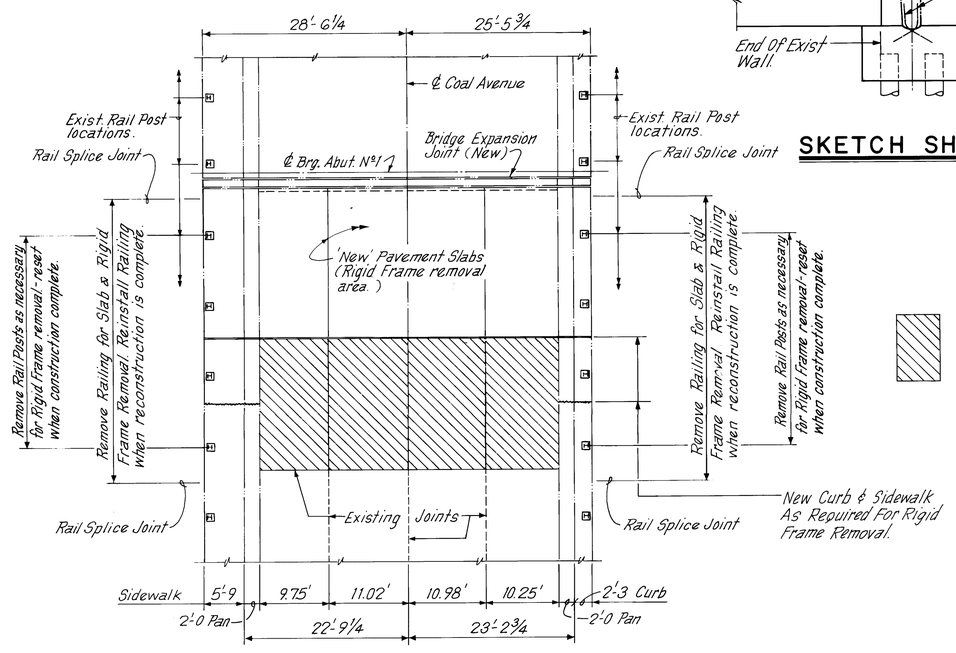


TRANSVERSE SECTION THRU ¾" JOINT

Scale: ¾" = 1'-0



SKETCH SHOWING RIGID FRAME REMOVAL



LOCATION PLAN FOR TEMPORARY REMOVAL OF RAILING

Scale: 1" = 10'

Remove & Replace In Conjunction With Rigid Frame Replacement.

6-4018.91 0296

AS BUILT INFORMATION

CONTRACTOR Moore & Conklet Const. STARTED BY Moore & Conklet DATE 6/94
INSPECTOR'S CHANGE BY C.O.A. DATE 6/95
FIELD VERIFICATION BY C.O.A. DATE 6/95
DRAWINGS CORRECTED BY AVID Eng. DATE 10/95

MICRO-FILM INFORMATION

RECORDED BY DATE NO.

BENCH MARKS

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
1	ALBUQUERQUE SURVEY CO. INC.	10/90

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGN

DESIGNED BY W. Spring DATE 8/91
DRAWN BY H. Smith DATE 8/91
CHECKED BY DATE 8/91

DISK NUMBER / FILE NAME

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: COAL AVENUE OVERPASS REHABILITATION
REPAIR DETAILS @ ABUTMENT № 2 and MISCELLANEOUS DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER	N/A	
TRANSPORTATION	NARWD	6-17-92	WASTE WATER		
HYDROLOGY	NA				

PROJECT NO.	MAP NO.	SHEET	OF
4018.91	K-14N	5	25

PHOTO Nº 1
ABUTMENT Nº 1
Southend

PHOTO Nº 2
ABUTMENT Nº 1
Southend - Eastside

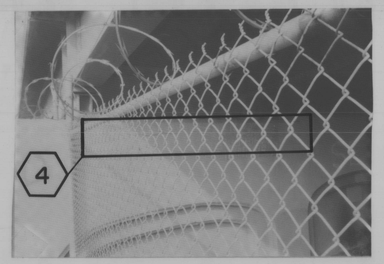


PHOTO Nº 3
PIER Nº 1
Between Southerly Beams

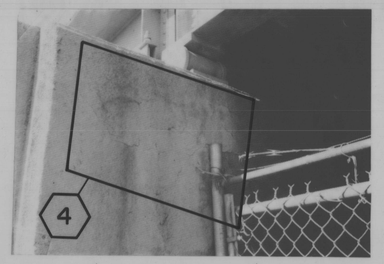


PHOTO Nº 4
PIER Nº 2
Westside - Southend

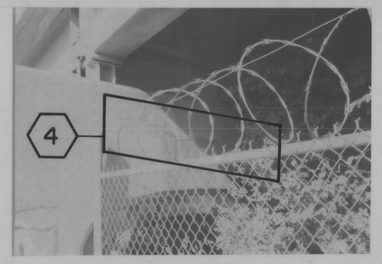


PHOTO Nº 5
PIER Nº 2
Eastside - Southend

PHOTO Nº 6
PIER Nº 2
Southend

PHOTO Nº 7
PIER Nº 3
Southend

PHOTO Nº 8
PIER Nº 3
Westside - Southend

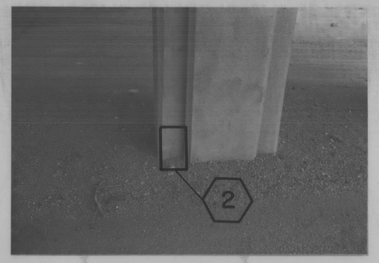


PHOTO Nº 9
PIER Nº 5
Eastside - 2ND Column from Northend

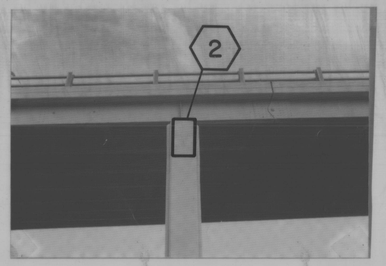


PHOTO Nº 10
PIER Nº 7
Southend

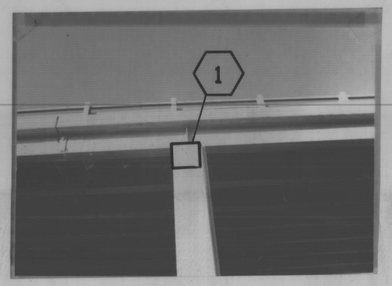


PHOTO Nº 11
PIER Nº 10
Southend

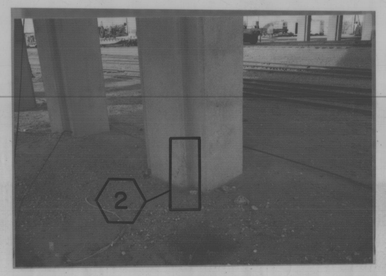


PHOTO Nº 12
PIER Nº 10
Eastside - 2ND Column from Northend

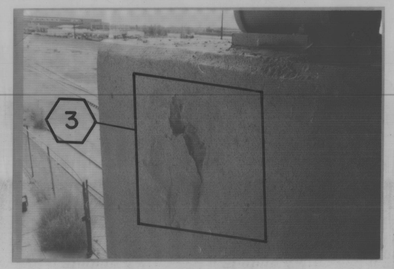


PHOTO Nº 13
PIER Nº 12
Eastside - Southend

PHOTO Nº 14
PIER Nº 12
Eastside - North Column

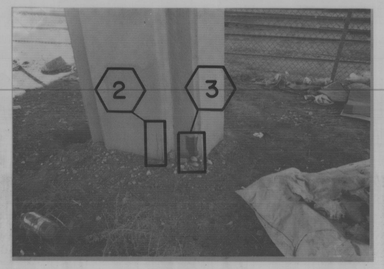


PHOTO Nº 15
PIER Nº 12
Eastside - 2ND Column from Northend

LEGEND FOR PHOTO SHEETS

SYMBOL (1) - *Remove spalling concrete, epoxy inject cracks, patch in accordance with Special Provisions For Pier And Abutment Repair.*

SYMBOL (2) - *Epoxy inject cracks.*

SYMBOL (3) - *Remove spalling concrete, patch in accordance with Special Provisions For Pier And Abutment Repair.*

SYMBOL (4) - *Remove unsound concrete, epoxy inject cracks, patch in accordance with Special Provisions For Pier And Abutment Repair.*

SYMBOL (5) - *Clean and repaint in accordance with Special Provision For Protective Coating of New Steel Bridge Railing and Miscellaneous Structural Steel, Type 2.*

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26-4018.91 0696

AS BUILT INFORMATION
CONTRACTOR Moore & Conduit Const. Co.
STAKED BY Moore & Conduit DATE 6/94
INSPECTOR ACCEPTANCE BY C.O.A. DATE 9/95
FIELD VERIFICATION BY C.O.A. DATE 9/95
DRAWINGS CORRECTED BY AVID Eng. DATE 10/95
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
1	ALBUQUERQUE SURVEY CO. INC.	10/90

ENGINEER'S SEAL
DON E. SPRING
NEW MEXICO
3334
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY

REVISIONS
DESIGN
DESIGNED BY D. Spring DATE 8/91
DRAWN BY H. Smith DATE 8/91
CHECKED BY [illegible] DATE 8/91

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: COAL AVENUE OVERPASS REHABILITATION
PHOTO SHEET Nº 1

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	Ronald Brown	6-19-92	WATER	N/A	
TRANSPORTATION	N/A RHD	6-17-92	WASTE WATER		
HYDROLOGY	NA				

PROJECT NO.	MAP NO.	SHEET	OF
4018.91	K-14N	6	25

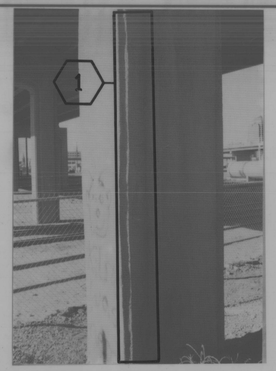


PHOTO Nº 16
PIER Nº 12
Eastside - 2ND Column from Southend

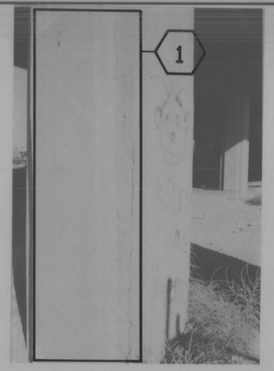


PHOTO Nº 17
PIER Nº 12
Westside - 2ND Column from Southend

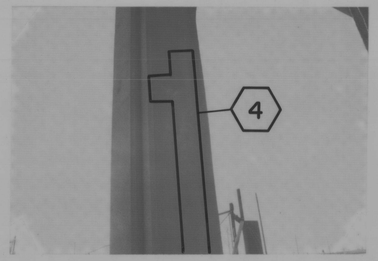


PHOTO Nº 18
PIER Nº 12
Northside - South Column

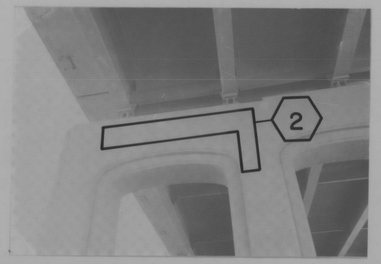


PHOTO Nº 19
PIER Nº 13
Westside - Northend

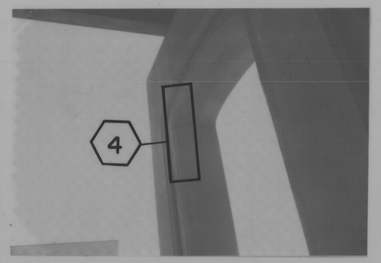


PHOTO Nº 20
PIER Nº 13
Eastside - South Column

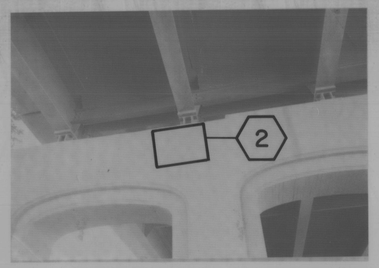


PHOTO Nº 21
PIER Nº 14
Westside

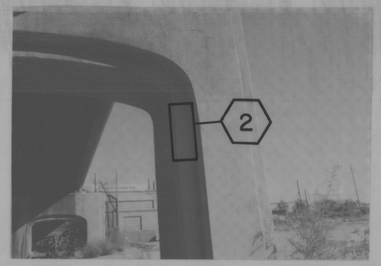


PHOTO Nº 22
PIER Nº 14
Westside - South Column

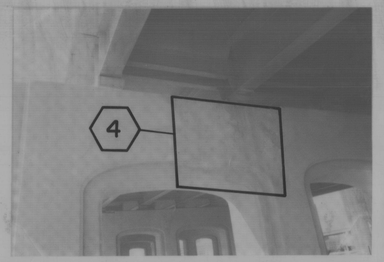


PHOTO Nº 23
PIER Nº 14
Eastside - Southend

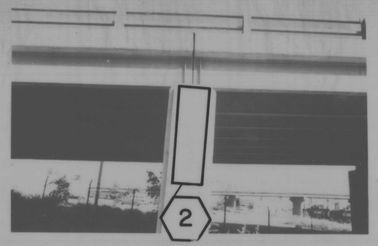


PHOTO Nº 24
PIER Nº 14
Southend

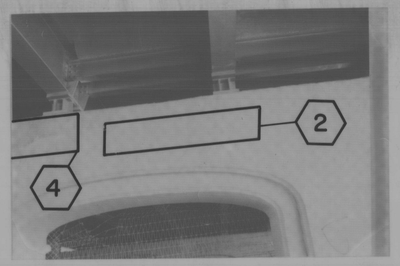


PHOTO Nº 25
PIER Nº 15
Westside - Middle Bay

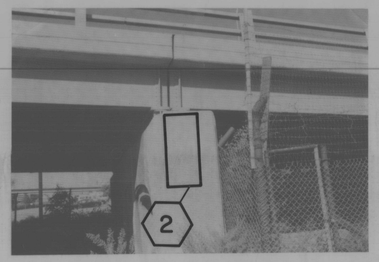


PHOTO Nº 26
PIER Nº 15
Southend

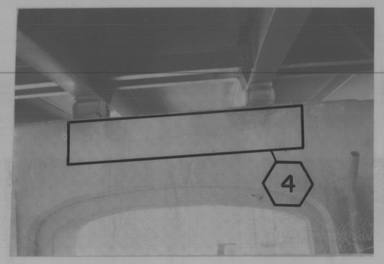


PHOTO Nº 27
PIER Nº 15
Eastside - Middle Bay (Similar cracking next Bay to North.)

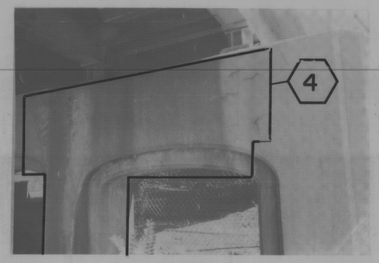


PHOTO Nº 28
PIER Nº 15
Westside - South Bay

PHOTO Nº 29
PIER Nº 15
Westside - South Column

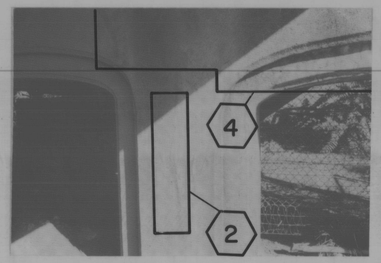


PHOTO Nº 30
PIER Nº 15
Westside - 2ND Column from Southend

NOTE: SEE SHT. 6 FOR LEGEND.

2C-4018.91 07996

AS BUILT INFORMATION
CONTRACTOR Moore & Conner Const.
WORK STAKED BY Moore & Conner DATE 6/94
INSPECTOR'S ACCEPTANCE BY C.O.A. DATE 9/95
FIELD VERIFICATION BY C.O.A. DATE 9/95
DRAWINGS CORRECTED BY AVID ENG. DATE 10/95
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
1	ALBUQUERQUE SURVEY CO. INC.	10/90

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGN
DESIGNED BY D. Spring DATE 8/91
DRAWN BY H. Smith DATE 8/91
CHECKED BY [illegible] DATE [illegible]

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: COAL AVENUE OVERPASS REHABILITATION
PHOTO SHEET Nº 2

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	Roger A. Green	6-19-92	WATER	N/A	N/A
TRANSPORTATION	[illegible]	6-17-92	WASTE WATER		
HYDROLOGY	N/A				

PROJECT NO.	MAP NO.	SHEET	OF
4018.91	K-14N	7	25

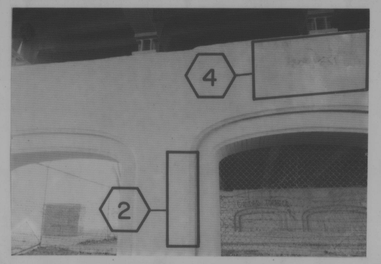


PHOTO Nº 31
PIER Nº 15
Westside - Second Column From North

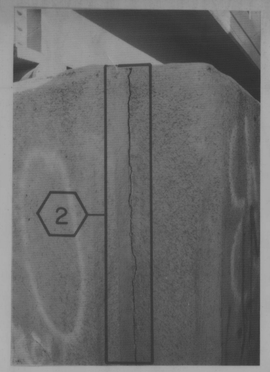


PHOTO Nº 32
PIER Nº 16
Westside, Southend

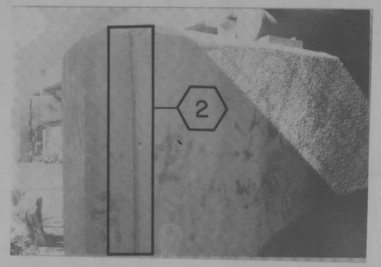


PHOTO Nº 33
PIER Nº 16
Eastside, Southend

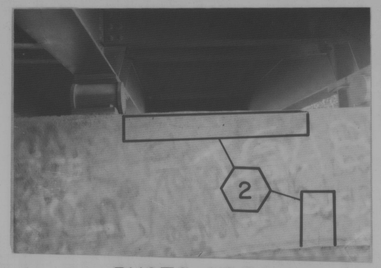


PHOTO Nº 34
PIER Nº 16
Eastside Between Northerly Beams

PHOTO Nº 35
PIER Nº 16
Westside, Southend

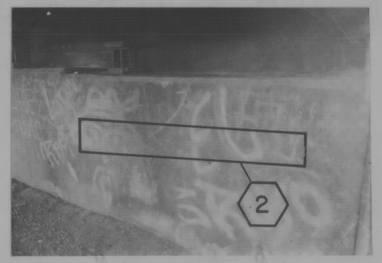


PHOTO Nº 36
ABUTMENT Nº 2
Crack About 8' Long - Southend

PHOTO Nº 37
ABUTMENT Nº 2
Eastside - Backwall At Northend

See Repair Details, Sheet 5

PHOTO Nº 38
ABUTMENT Nº 2
Backwall At Northend

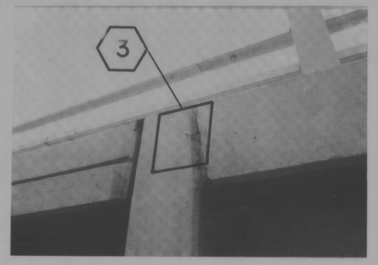


PHOTO Nº 39
ABUTMENT Nº 2
Backwall At Southend

NOTE: SEE SHT. 6 FOR LEGEND.

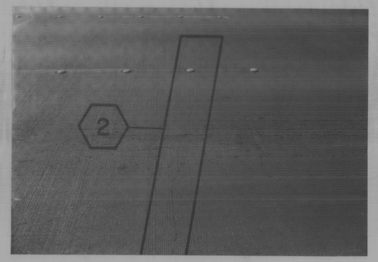


PHOTO Nº 44
Typical Slab Crack - Epoxy Inject Cracks In Slabs, Sidewalks And Curbs.

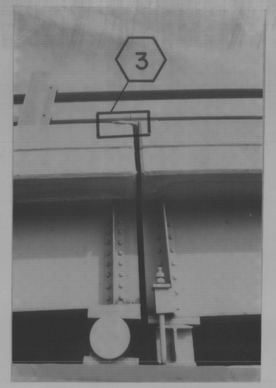


PHOTO Nº 40
PIER Nº 2
Joint - Southside Pier Nº 2

PHOTO Nº 41
Typical Joint Deterioration See Replacement Details Sht. 3

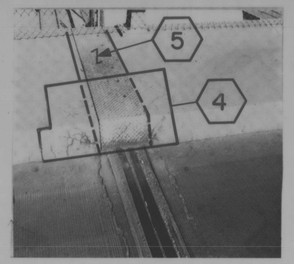


PHOTO Nº 42
Expansion Joint @ Sidewalk See Sht. 3 For Locations To Be Repaired, Paint All Curb & Sidewalk Plates.

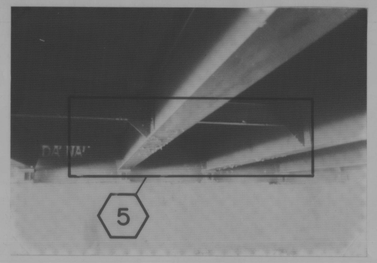


PHOTO Nº 43
SPAN Nº 17

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
2 C - 4 0 1 8. 9 1 1 9 8 9 6

AS BUILT INFORMATION
CONTRACTOR: Moore & Conner Const.
WORK STAKED BY: Moore & Conner DATE: 6/92
WORK INSPECTED & ACCEPTANCE BY: C.O.A. DATE: 9/95
FIELD VERIFICATION BY: C.O.A. DATE: 9/95
DRAWINGS CORRECTED BY: AVID CADD DATE: 10/95
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
1	ALBUQUERQUE SURVEY CO. INC.	10/90

ENGINEER'S SEAL
DONE SPRING NEW MEXICO 3338 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGNED BY D. Spring DATE 8/91
DRAWN BY H. Smith DATE 8/91
CHECKED BY DATE 8/91

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: COAL AVENUE OVERPASS REHABILITATION

PHOTO SHEET Nº 3

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	Ronald Brown	6-19-92	WATER	N/A	N/A
TRANSPORTATION	[illegible]	6-17-92	WASTE WATER		
HYDROLOGY	N/A				

PROJECT NO.	MAP NO.	SHEET	OF
4018.91	K-14N	8	25

REINFORCING BAR SCHEDULE

MARK	TYPE	SIZE	NO.	LENGTH	A	B
	RIGID FRAME REPLACEMENT					
a1	3	#6	48	6'–2	4'–4	
a2	1	#5	100	3'–6		
a3	1	#4	2	51'–0		
a4	1	#4	28	49'–0		
a5	1	#5	100	6'–8		
a6	3	#4	50	3'–0	1'–11	
*a7	1	#5	47	5'–6		
*a8	1	#4	47	5'–3		
a9	1	#4	1	44'–6		
a10	4	#4	45	2'–3		
a11	1	#4	26	7'–9		
a12	1	#6	12	19'–6		
a13	1	#4	12	19'–6		
a14	5	#7	42	8'–6		
a15	8	#8	52	8'–0		
a16	1	#4	40	2'–4		
a17	1	#4	40	19'–6		
a18				10'–0		
thru	1	#8	4 ea.	INCRE. OF 1⅛"		
a30				11'–1½		
a31				10'–0		
thru	1	#4	4 ea.	INCRE. OF 1½"		
a40				11'–1½		
*a41	1	#5	6	6'–3		
a42	2	#5	3	6'–3	5'–3	3
a43	2	#5	2	3'–3	1'–9	3
a44	1	#4	2	5'–0		
			@ SIDEWALK			
b1	1	#4	19	19'–6		
b2	2	#5	58	6'–6	5'–3	3
b3	1	#4	14	3'–0		
b4	3	#4	20	2'–3	1'–6	
b5	1	#4	14	2'–6		
b6	7	#4	14	3'–6	1'–1	1'–1
b7	6	#7	47	3'–10	1'–4	0'–7
b8	3	#7	24	2'–6	1'–5	
b9	1	#4	8	2'–6		
			@ CURB			
b1	1	#4	13	19'–6		
b3	1	#4	14	3'–0		
b4	3	#4	20	2'–3	1'–6	
b5	1	#4	14	2'–6		
b9	1	#4	8	2'–6		
b10	3	#6	22	2'–3	1'–5	
b11	3	#6	37	3'–9	1'–7	
b12	2	#4	14	3'–0	1'–10	½
b13	2	#5	36	3'–0	1'–10	3

MARK	TYPE	SIZE	NO.	LENGTH	A	B
	BACKWALL REPAIR – ABUTMENT NO. 2					
*c1	1	#5	6	5'–1		
*c2	1	#4	5	5'–1		
c3	1	#4	1	5'–3		
c4	1	#4	1	4'–10		
		SIDEWALK BARS				
b2	2	#5	9	6'–6	5'–3	3
b3	1	#4	3	3'–0		
b4	3	#4	4	2'–3	1'–6	
b5	1	#4	3	2'–6		
b6	7	#4	3	3'–6	1'–1	1'–1
b7	6	#7	8	3'–10	1'–4	0'–7
b9	1	#4	1	2'–6		
	NEW ¾" JTS. IN SIDEWALK & CURB – EAST OF ABUT. NO. 2					
		SIDEWALK BARS				
b2	2	#5	12	6'–6	5'–3	3
b3	1	#4	4	3'–0		
b4	3	#4	4	2'–3	1'–6	
b5	1	#4	4	2'–6		
b6	7	#4	4	3'–6	1'–1	1'–1
b7	6	#7	12	3'–10	1'–4	0'–7
b9	1	#4	4	2'–6		
		CURB BARS				
b3	1	#4	4	3'–0		
b4	3	#4	4	2'–3	1'–6	
b5	1	#4	4	2'–6		
b9	1	#4	4	2'–6		
b11	3	#6	8	3'–9	1'–7	
b12	2	#4	4	3'–0	1'–10	½
b13	2	#5	8	3'–0	1'–10	3

MARK	TYPE	SIZE	NO.	LENGTH	A	B

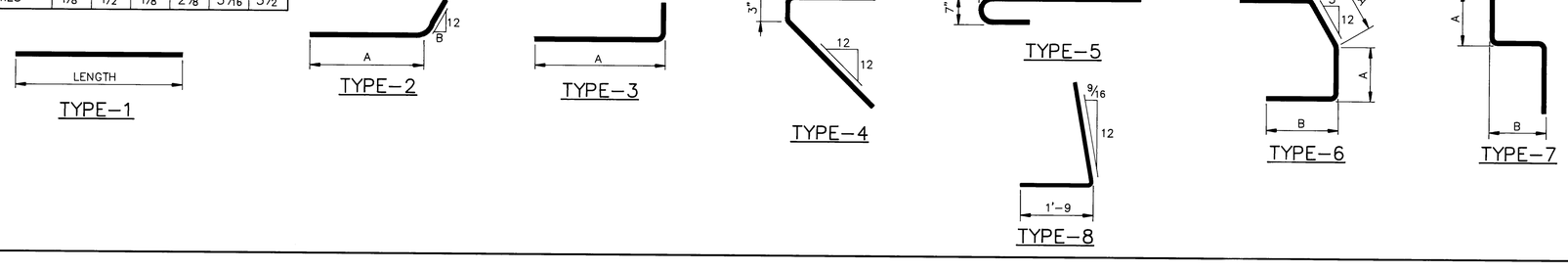
MARK	TYPE	SIZE	NO.	LENGTH	A	B

MINIMUM BEND RADII TO ℄ OF BAR

DESCRIPTION	#3	#4	#5	#6	#7	#8	#9	#10	#11
MAIN REINFORCEMENT	1 5/16"	1¾"	2 3/16"	2⅝"	3 1/16"	3½"	5 5/16"	6"	6 11/16"
STIRRUPS & TIES	1⅛"	1½"	1⅞"	2⅝"	3 1/16"	3½"			

NOTE: DIMENSIONS ARE OUT TO OUT OF BARS
‡ = EPOXY-COATED BARS
✱ = GRADE 40 BARS

BAR TYPES



AS BUILT INFORMATION
CONTRACTOR Moore & Conner Const.
WORK STAKED BY Moore & Conner DATE 6/99
INSPECTOR'S ACCEPTANCE BY C.O.A. DATE 9/95
FIELD VERIFICATION BY C.O.A. DATE 9/95
DRAWINGS CORRECTED BY Avid Eng. DATE 10/95
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
1	ALBUQUERQUE SURVEY CO. INC.	10/90

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY – DATE –
DRAWN BY – DATE –
CHECKED BY – DATE –

24-4018.911 0496

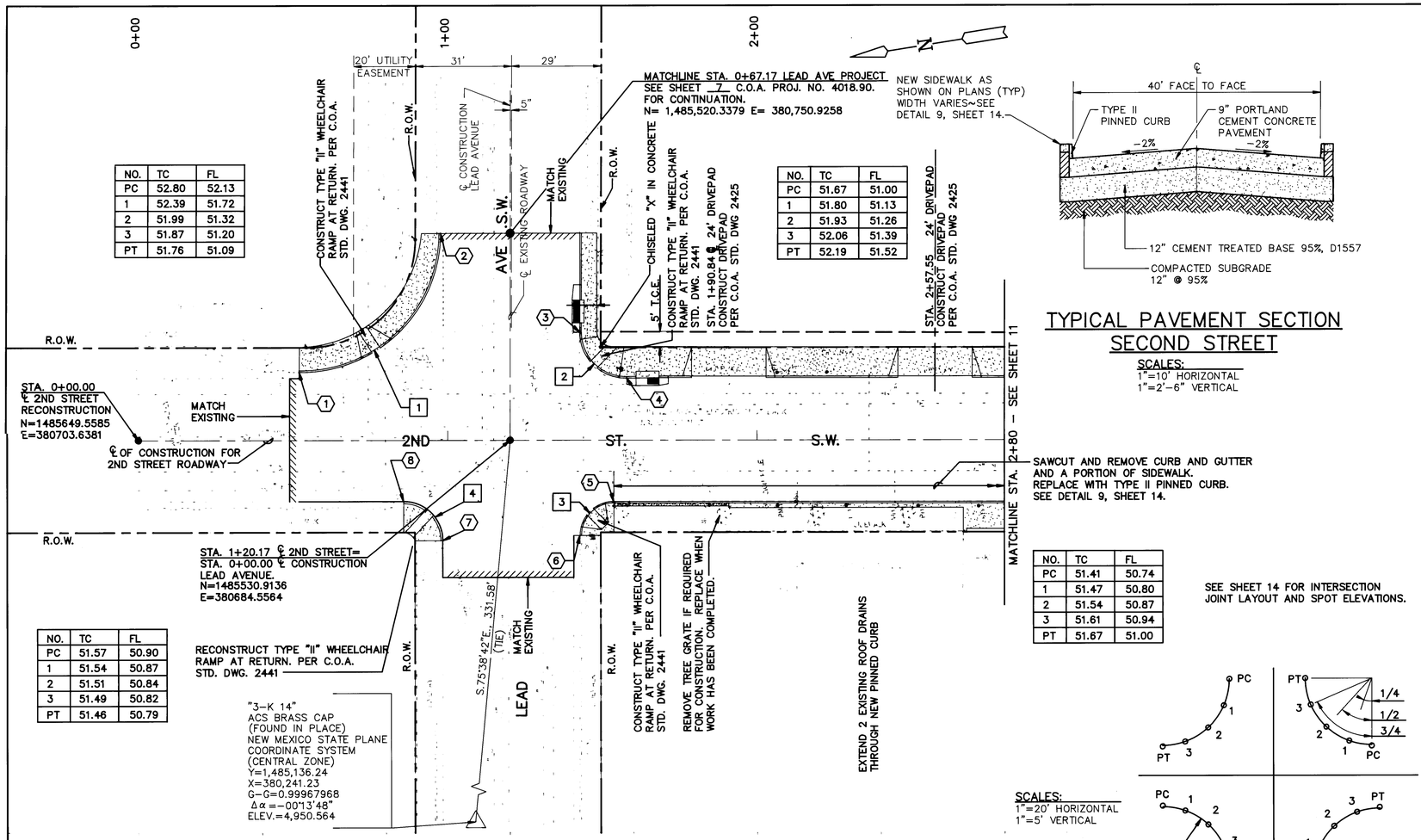
90027.13SD1 / BARSCHED

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: COAL AVENUE OVERPASS REHABILITATION
REINFORCING BAR SCHEDULE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER	N/A	
TRANSPORTATION	N/A RHD	6-17-96	WASTE WATER		
HYDROLOGY	N/A				

PROJECT NO. 4018.91 | MAP NO. K-14N | SHEET 9 OF 25



NO.	TC	FL
PC	52.80	52.13
1	52.39	51.72
2	51.99	51.32
3	51.87	51.20
PT	51.76	51.09

NO.	TC	FL
PC	51.67	51.00
1	51.80	51.13
2	51.93	51.26
3	52.06	51.39
PT	52.19	51.52

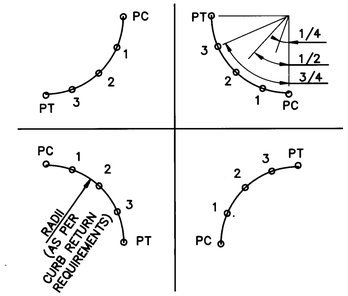
NO.	TC	FL
PC	51.41	50.74
1	51.47	50.80
2	51.54	50.87
3	51.61	50.94
PT	51.67	51.00

NO.	TC	FL
PC	51.57	50.90
1	51.54	50.87
2	51.51	50.84
3	51.49	50.82
PT	51.46	50.79

SEE SHEET 14 FOR INTERSECTION JOINT LAYOUT AND SPOT ELEVATIONS.

TYPICAL PAVEMENT SECTION SECOND STREET

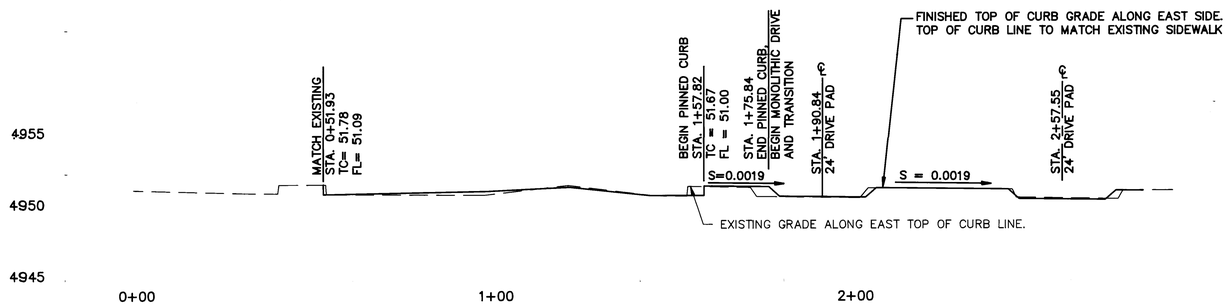
SCALES:
1"=10' HORIZONTAL
1"=2'-6" VERTICAL

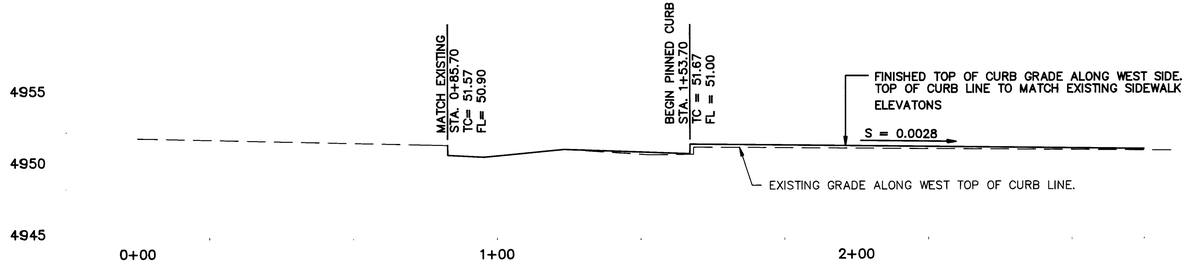


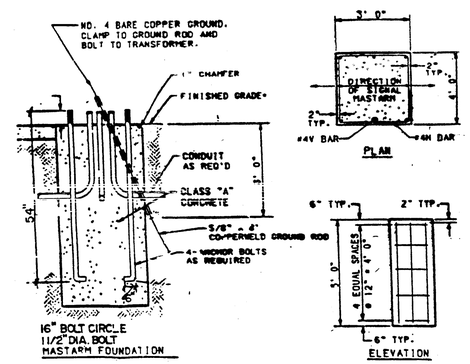
TYPICAL 1/4 POINT LAYOUT PLAN

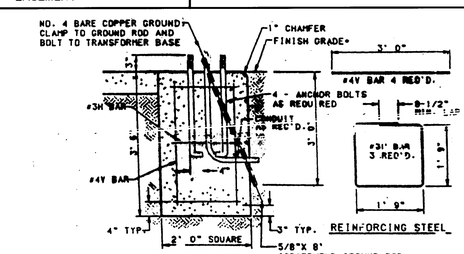
NOT TO SCALE

SCALES:
1"=20' HORIZONTAL
1"=5' VERTICAL

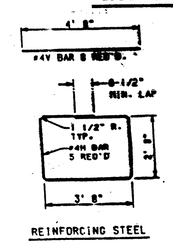








PEDESTAL FOUNDATION DETAILS-TYPE I STANDARD



20/90027.13CD4/13PP1C.DWG/11-10-93/JDM

LEGEND

- POWER POLE
- POWER POLE (METAL/H.V.)
- ANCHOR
- LIGHT POLE
- PARKING METER
- GUARD POST
- TRAFFIC SIGN
- CABLE TELEVISION BOX
- ELECTRIC BOX
- TRAFFIC CONTROL BOX
- TRAFFIC SIGNAL LIGHT
- TELEPHONE RISER
- GAS METER
- GAS VALVE
- FIRE HYDRANT
- WATER METER
- WATER VALVE
- WATER FAUCET
- DROP INLET
- SPRINKLER
- VACCUM BREAKER
- SIGNAL BOX
- SPRINKLER CONTROL VALVE
- CLEAN OUT
- MANHOLE (STORM)
- MANHOLE (SANITARY)
- MANHOLE (ELECTRIC)
- MANHOLE (TELEPHONE)
- MANHOLE (UNDETERMINED)
- TRAFFIC SIGAL BOX
- TREE (DECIDUOUS)
- TREE (EVERGREEN)
- YUCCA
- CONCRETE
- TRANSFORMER PAD
- OVERHEAD ELECTRIC CABLE
- LIMIT OF CONSTRUCTION
- CURB AND GUTTER (NEW)
- LIMITS OF NEW CONCRETE SIDEWALK AND/OR DRIVEPAD
- T.C.E. — TEMPORARY CONSTRUCTION EASEMENT

NOTES

1. ℄ CONSTRUCTION BASED UPON A "BEST FIT" LINE BETWEEN EXISTING CURBS ON SECOND STREET BETWEEN LEAD AND COAL AVENUES
2. COORDINATES SHOWN HEREON ARE GROUND COORDINATES.
3. ℄ CONSTRUCTION NOT ASSOCIATED WITH ℄ OF R.O.W.

OFFSET STATIONING

		STATION	OFFSET
1	PT	OPP. STA. 0+51.93	22.11' LT.
2	PC	OPP. STA. 0+97.57	67.17' LT.
3	PT	OPP. STA. 1+42.62	35.10' LT.
4	PC	OPP. STA. 1+57.82	20.12' LT.
5	PT	OPP. STA. 1+53.70	19.90' RT.
6	PC	OPP. STA. 1+42.69	30.95' RT.
7	PT	OPP. STA. 0+96.38	34.35' RT.
8	PC	OPP. STA. 0+83.87	21.85' RT.

FACE OF CURB CURVE DATA

	DELTA	RADIUS	LENGTH	TANGENT
1	90°54'16"	45.00'	71.40'	45.72'
2	90°41'33"	15.00'	23.74'	15.18'
3	90°19'19"	11.00'	17.34'	11.06'
4	90°01'52"	12.50'	19.64'	12.51'

26-4018.91 1096

AS BUILT INFORMATION
CONTRACTOR Moore & Conner Const. DATE 6/94
WORK STAKED BY Moore & Conner DATE 6/94
INSPECTOR'S ACCEPTANCE BY C.O.A. DATE 9/95
FIELD VERIFICATION BY C.O.A. DATE 9/95
DRAWINGS CORRECTED BY AVID Eng. DATE 10/95
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
THE STATION IS A STANDARD ALBUQUERQUE CITY BRASS CAP MARKED "3-K14". THE STATION IS LOCATED BEHIND THE CURB IN THE NORTHEAST QUADRANT OF THE INTERSECTION OF THIRD ST. AND LEAD AVE. SW.
ELEV. = 4950.56 (SECOND ORDER)

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	

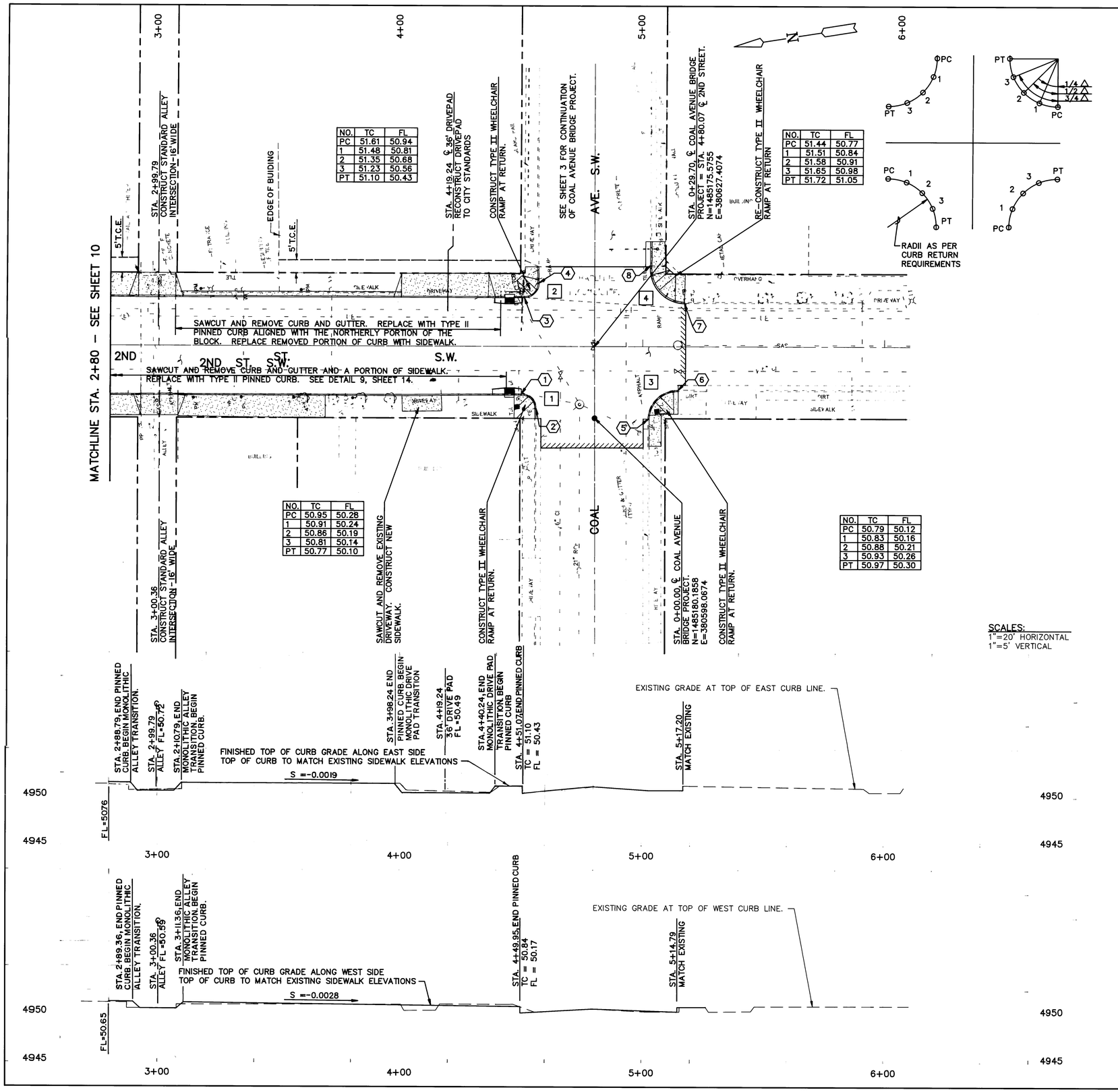
DESIGNED BY TJM DATE 8/91
DRAWN BY KHK DATE 8/91

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: RECONSTRUCTION AND REHABILITATION OF THE COAL AVENUE BRIDGE AND 2ND STREET, S.W. PAVING PLAN AND PROFILE STA. 1+90.84 TO STA. 2+80

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN		12-20-93	WATER		12-7
TRANSPORTATION		12-06-93	WASTE WATER		12-7
HYDROLOGY	N/A JPC	12-6-93			

PROJECT NO. 4018.91 | MAP NO. K-14N | SHEET 10 OF 25



NO.	TC	FL
PC	51.61	50.94
1	51.48	50.81
2	51.35	50.68
3	51.23	50.56
PT	51.10	50.43

NO.	TC	FL
PC	51.44	50.77
1	51.51	50.84
2	51.58	50.91
3	51.65	50.98
PT	51.72	50.05

NO.	TC	FL
PC	50.95	50.28
1	50.91	50.24
2	50.86	50.19
3	50.81	50.14
PT	50.77	50.10

NO.	TC	FL
PC	50.79	50.12
1	50.83	50.16
2	50.88	50.21
3	50.93	50.26
PT	50.97	50.30

LEGEND

- POWER POLE
- POWER POLE (METAL/H.V.)
- ANCHOR
- LIGHT POLE
- PARKING METER
- GUARD POST
- TRAFFIC SIGN
- CABLE TELEVISION BOX
- ELECTRIC BOX
- TRAFFIC CONTROL BOX
- TRAFFIC SIGNAL LIGHT
- TELEPHONE RISER
- GAS METER
- GAS VALVE
- FIRE HYDRANT
- WATER METER
- WATER VALVE
- WATER FAUCET
- DROP INLET
- SPRINKLER
- VACCUM BREAKER
- SIGNAL BOX
- SPRINKLER CONTROL VALVE
- CLEAN OUT
- MANHOLE (STORM)
- MANHOLE (SANITARY)
- MANHOLE (ELECTRIC)
- MANHOLE (TELEPHONE)
- MANHOLE (UNDETERMINED)
- TRAFFIC SIGAL BOX
- TREE (DECIDUOUS)
- TREE (EVERGREEN)
- YUCCA
- CONCRETE
- TRANSFORMER PAD
- OVERHEAD ELECTRIC CABLE
- LIMIT OF CONSTRUCTION
- CURB AND GUTTER (NEW)
- LIMITS OF NEW CONCRETE SIDEWALK AND/OR DRIVEPAD
- T.C.E. — TEMPORARY CONSTRUCTION EASEMENT

NOTES

1. ℄ CONSTRUCTION BASED UPON A "BEST FIT" LINE BETWEEN EXISTING CURBS ON SECOND STREET BETWEEN LEAD AND COAL AVENUES
2. COORDINATES SHOWN HEREON ARE GROUND COORDINATES.
3. ℄ CONSTRUCTION NOT ASSOCIATED WITH ℄ OF R.O.W.

OFFSET STATIONING

			STATION	OFFSET
1	PC	OPP. STA.	4+49.95	19.66' RT
2	PT	OPP. STA.	4+55.99	25.66' RT
3	PT	OPP. STA.	4+51.07	20.14' LT
4	PC	OPP. STA.	4+57.06	26.31' LT
5	PC	OPP. STA.	5+02.30	30.06' RT
6	PT	OPP. STA.	5+14.79	18.03' RT
7	PC	OPP. STA.	5+17.56	17.87' LT
8	PT	OPP. STA.	5+03.04	32.35' LT

FACE OF CURB CURVE DATA

	DELTA	RADIUS	LENGTH	TANGENT
1	90°27'18"	6.00'	9.47'	6.05'
2	91°36'40"	6.00'	9.59'	6.17'
3	87°50'09"	12.50'	19.16'	12.04'
4	90°00'10"	14.50'	22.78'	14.50'

26-4018.91 1196

20/90027.13CD1/13PP2.DWG/4-3-92/MRL

AS BUILT INFORMATION

CONTRACTOR Moore & Conner Const. DATE 6/94
WORK STAKED BY Moore & Conner DATE 6/94
INSPECTOR'S ACCEPTANCE BY C.O.A. DATE 9/95
FIELD VERIFICATION BY C.O.A. DATE 9/95
DRAWINGS CORRECTED BY AVID Eng. DATE 10/95
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

THE STATION IS A STANDARD ALBUQUERQUE CITY BRASS CAP MARKED "3-K14". THE STATION IS LOCATED BEHIND THE CURB IN THE NORTHEAST QUADRANT OF THE INTERSECTION OF THIRD ST. AND LEAD AVE. SW.
ELEV. = 4950.56 (SECOND ORDER)

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
1	ALBUQUERQUE SURVEY CO. INC.	10/90

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	

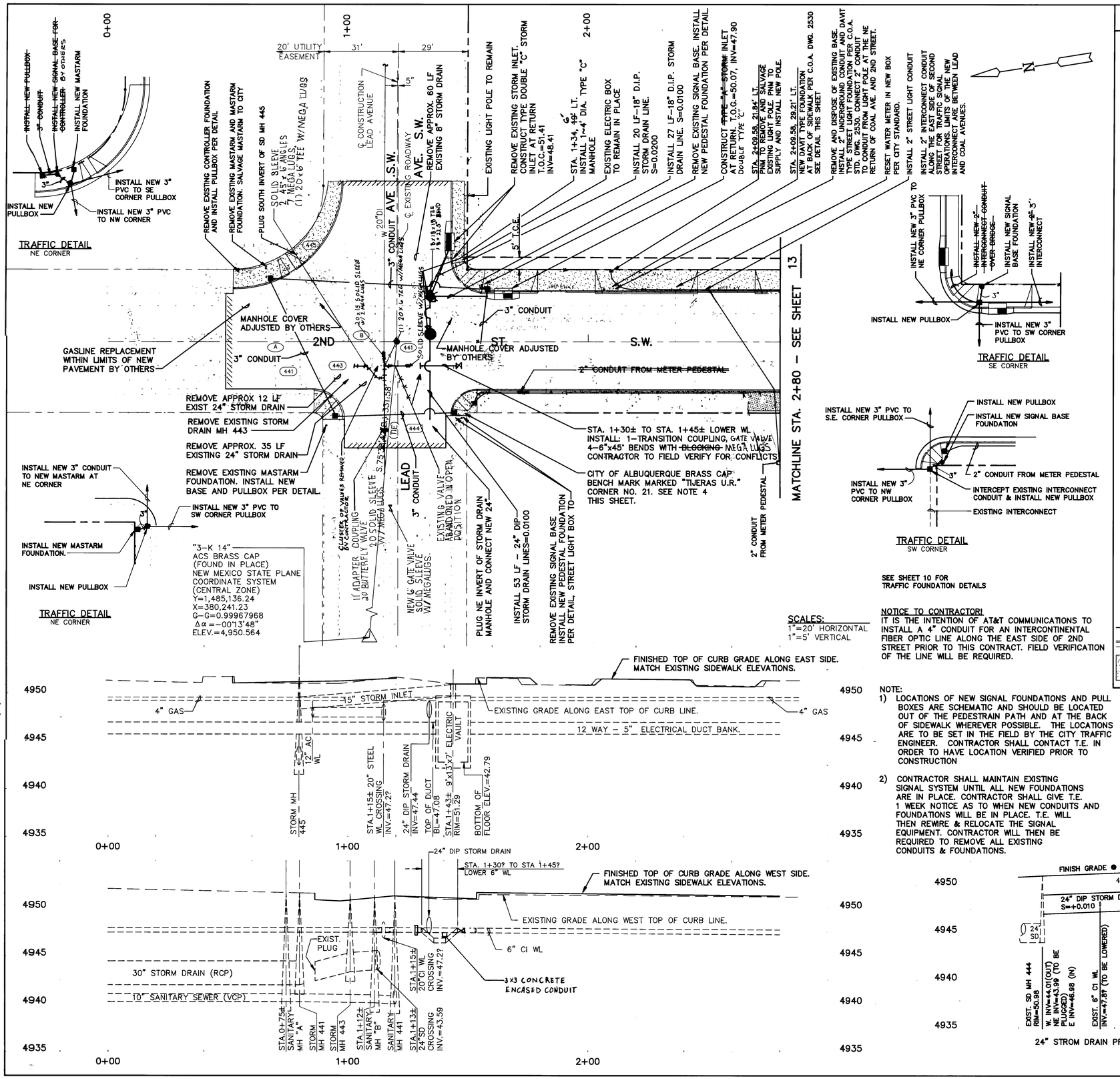
DESIGN
DESIGNED BY TJM DATE 8/91
DRAWN BY KHK DATE 8/91
CHECKED BY CD DATE 8/91

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: RECONSTRUCTION AND REHABILITATION OF THE COAL AVENUE BRIDGE AND 2ND STREET, S.W. PAVING PLAN AND PROFILE STA. 2+80 TO STA. 6+00

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER	Hilton	4-22-92
TRANSPORTATION		10-17-92	WASTE WATER	Hill	"
HYDROLOGY	NA				

PROJECT NO. 4018.91 | MAP NO. K-14N | SHEET 11 OF 25



LEGEND

- POWER POLE
- POWER POLE (METAL/H.V.)
- ANCHOR
- LIGHT POLE
- PARKING METER
- GUARD POST
- TRAFFIC SIGN
- CABLE TELEVISION BOX
- ELECTRIC BOX
- TRAFFIC CONTROL BOX
- TRAFFIC SIGNAL LIGHT
- TELEPHONE RISER
- GAS METER
- GAS VALVE
- FIRE HYDRANT
- WATER METER
- WATER VALVE
- WATER FAUCET
- DROP INLET
- SPRINKLER
- VACCUM BREAKER
- SIGNAL BOX
- SPRINKLER CONTROL VALVE
- CLEAN OUT
- MANHOLE (STORM)
- MANHOLE (SANITARY)
- MANHOLE (ELECTRIC)
- MANHOLE (TELEPHONE)
- MANHOLE (UNDETERMINED)
- TRAFFIC SIGAL BOX
- TREE (DECIDUOUS)
- TREE (EVERGREEN)
- YUCCA
- CONCRETE
- TRANSFORMER PAD
- OVERHEAD ELECTRIC CABLE
- LIMITS OF CONSTRUCTION
- CURB AND GUTTER (NEW)
- LIMITS OF NEW CONCRETE SIDEWALK AND/OR DRIVEPAD

EXISTING SANITARY SEWER MANHOLE DATA	EXISTING STORM SEWER MANHOLE DATA
(A) RIM = 51.45 N.INV.=40.34 E.INV.=40.62 S.INV.=40.30	(441) RIM = 51.14 MANHOLE FULL OF WATTER CEN. INV.=41.88
(B) RIM = 51.48 N.INV.=40.15 E.INV.=43.08 E.INV.=40.08 S.INV.=40.18	(445) RIM = 51.48 MANHOLE FULL OF WATTER CEN. INV.=42.53
(441) RIM = 51.50 N.INV.=40.04 W.INV.=40.00	(443) RIM = 51.21 N.INV.=43.75 SW.INV.=43.41
	(444) RIM = 50.98 NE.INV.=43.99 W.INV.=44.01

NOTES

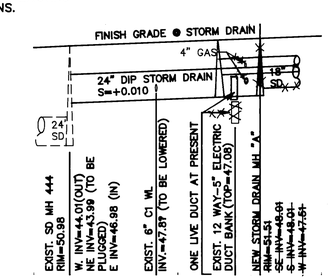
1. ALL EXISTING MANHOLES, PULLBOXES AND VALVE BOXES WITHIN THE CONSTRUCTION LIMITS SHALL BE ADJUSTED TO THE NEW FINISH GRADE AS PART OF THE PAVING OPERATIONS.
2. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE-CALL SYSTEM, (505) 260-1990, FOR LOCATION OF EXISTING UTILITIES.
3. LOCATION OF EXISTING WATER VALVE COVERS AND MANHOLE COVERS WERE DETERMINED BY FIELD SURVEY. CONTRACTOR TO FIELD VERIFY ACTUAL ALIGNMENT OF VALVES AFTER EXCAVATION.
4. THE CONTRACTOR SHALL CONTACT THE CITY SURVEYOR FOURTEEN (14) DAYS IN ADVANCE OF CONSTRUCTION WHICH MAY DISTURB EXISTING CITY SURVEY MONUMENTS. CONTACT DANNY MONTANO AT 768-3612.
5. CITY OF ALBUQUERQUE PERSONNEL TO REMOVE AND REPLACE PARKING METER HEADS. CONTRACTOR SHALL CONTACT THE CITY OF ALBUQUERQUE PARKING DIVISION FOR METER HEAD REMOVAL AND REPLACEMENT.
6. REMOVE PARKING METER POSTS ALONG WEST SIDE OF SECOND STREET PRIOR TO SAWCUTTING. REPLACE AFTER NEW CONSTRUCTION.
7. REMOVE PARKING METER POSTS FROM EAST SIDE OF SECOND STREET. SALVAGE TO CITY.
8. TOP OF GRATE (T.O.G.) AND INVERT (INV) ELEVATIONS ARE INTENDED TO BE MEASURED TO CENTERLINE OF GRATE(S).

SEE SHEET 10 FOR TRAFFIC FOUNDATION DETAILS

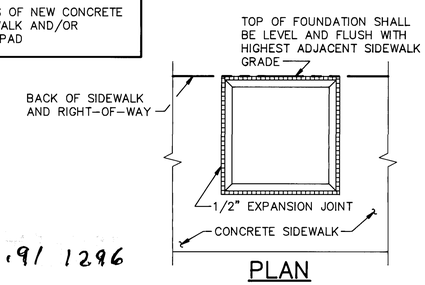
NOTICE TO CONTRACTOR!
IT IS THE INTENTION OF AT&T COMMUNICATIONS TO INSTALL A 4" CONDUIT FOR AN INTERCONTINENTAL FIBER OPTIC LINE ALONG THE EAST SIDE OF 2ND STREET PRIOR TO THIS CONTRACT. FIELD VERIFICATION OF THE LINE WILL BE REQUIRED.

NOTE:
1) LOCATIONS OF NEW SIGNAL FOUNDATIONS AND PULL BOXES ARE SCHEMATIC AND SHOULD BE LOCATED OUT OF THE PEDESTRAIN PATH AND AT THE BACK OF SIDEWALK WHEREVER POSSIBLE. THE LOCATIONS ARE TO BE SET IN THE FIELD BY THE CITY TRAFFIC ENGINEER. CONTRACTOR SHALL CONTACT T.E. IN ORDER TO HAVE LOCATION VERIFIED PRIOR TO CONSTRUCTION
2) CONTRACTOR SHALL MAINTAIN EXISTING SIGNAL SYSTEM UNTIL ALL NEW FOUNDATIONS ARE IN PLACE. CONTRACTOR SHALL GIVE T.E. 1 WEEK NOTICE AS TO WHEN NEW CONDUITS AND FOUNDATIONS WILL BE IN PLACE. T.E. WILL THEN REWIRE & RELOCATE THE SIGNAL EQUIPMENT. CONTRACTOR WILL THEN BE REQUIRED TO REMOVE ALL EXISTING CONDUITS & FOUNDATIONS.

26-4018.91/ 1296



24" STROM DRAIN PROFILE



PLAN

DAVIT TYPE STREET LIGHT FOUNDATION AT BACK OF SIDEWALK

SEE C.O.A. STANDARD DWG. NO. 2530 FOR HARDWARE AND REINFORCEMENT

AS BUILT INFORMATION

CONTRACTOR	Moore & Gowdet Constr
WORK STAKED BY	Moore & Gowdet DATE 6/94
INSPECTOR'S ACCEPTANCE BY	C.O.A. DATE 9/95
FIELD VERIFICATION BY	C.O.A. DATE 9/95
DRAWINGS CORRECTED BY	AVID ENG. DATE 10/95
MICRO-FILM INFORMATION	
RECORDED BY	DATE

BENCH MARKS

THE STATION IS A STANDARD ALBUQUERQUE CITY BRASS CAP MARKED "3-K14", THE STATION IS LOCATED BEHIND THE CURB IN THE NORTHEAST QUADRANT OF THE INTERSECTION OF THIRD ST. AND LEAD AVE. SW.
ELEV. = 4950.56 (SECOND ORDER)

SURVEY INFORMATION

NO.	BY	DATE
FIELD NOTES		

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGNED BY TJM DESIGN DATE 8/91

20/90027.13CD4/13PPIUC.DWG/11-10-93/JDM

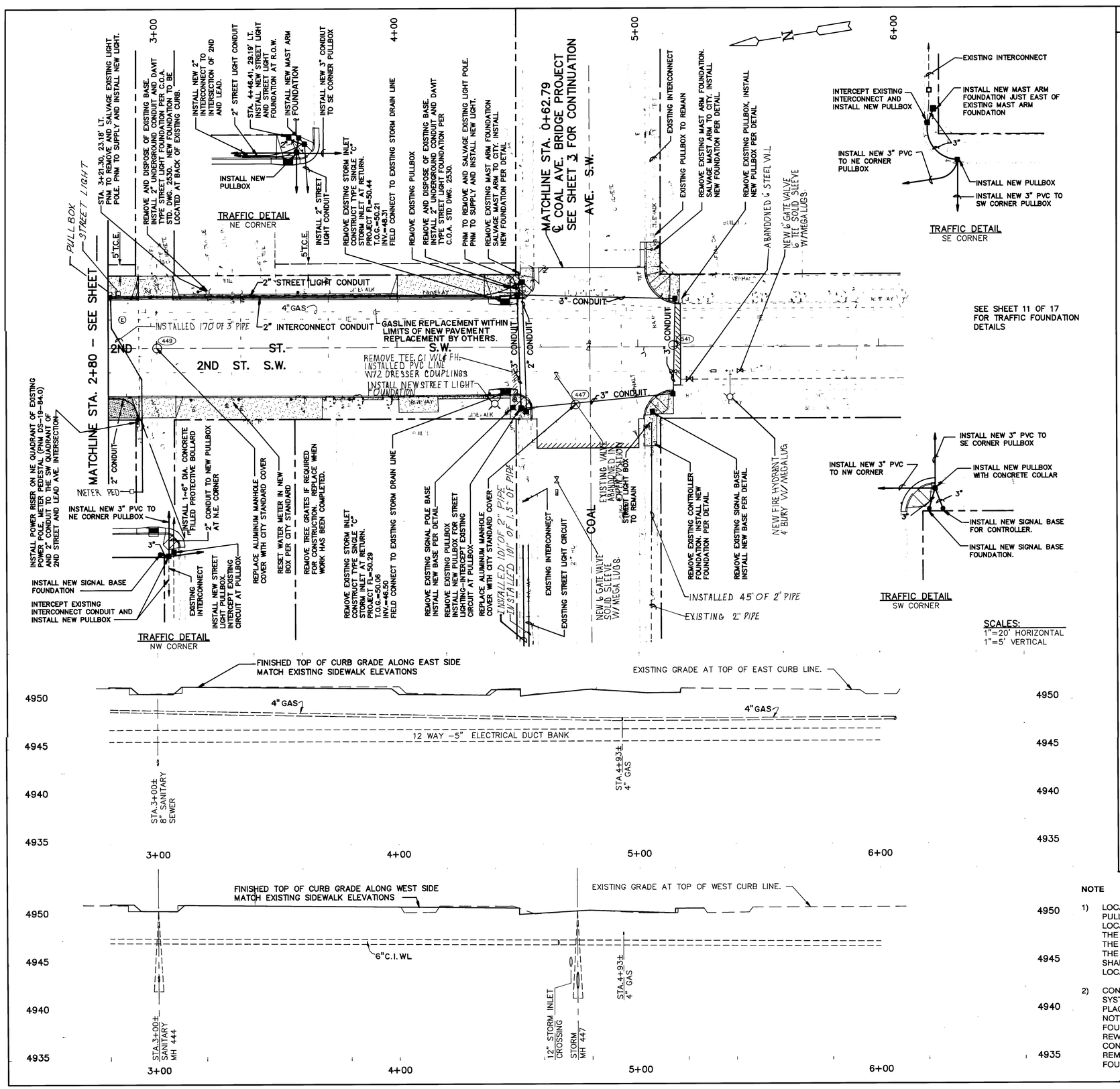
13PPIUB – 12/6/91 –

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: RECONSTRUCTION AND REHABILITATION OF THE COAL AVENUE BRIDGE AND 2ND STREET, S.W. UTILITY PLAN AND PROFILE STA.1+90.84 TO STA 2+80

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DA
DRC CHAIRMAN	T.J. Bordaly	12-20-93	WATER	[illegible]	12-[illegible]
TRANSPORTATION	[illegible]	12-06-93	WASTE WATER	[illegible]	12-[illegible]
HYDROLOGY	J. Curtius	12-6-93			

PROJECT NO. 4018.91 | MAP NO. K-14N | SHEET 12 OF 25



LEGEND

	POWER POLE
	POWER POLE (METAL/H.V.)
	ANCHOR
	LIGHT POLE
	PARKING METER
	GUARD POST
	TRAFFIC SIGN
	CABLE TELEVISION BOX
	ELECTRIC BOX
	TRAFFIC CONTROL BOX
	TRAFFIC SIGNAL LIGHT
	TELEPHONE RISER
	GAS METER
	GAS VALVE
	FIRE HYDRANT
	WATER METER
	WATER VALVE
	WATER FAUCET
	DROP INLET
	SPRINKLER
	VACCUM BREAKER
	SIGNAL BOX
	SPRINKLER CONTROL VALVE
	CLEAN OUT
	MANHOLE (STORM)
	MANHOLE (SANITARY)
	MANHOLE (ELECTRIC)
	MANHOLE (TELEPHONE)
	MANHOLE (UNDETERMINED)
	TRAFFIC SIGAL BOX
	TREE (DECIDUOUS)
	TREE (EVERGREEN)
	YUCCA
	CONCRETE
	TRANSFORMER PAD
	OVERHEAD ELECTRIC CABLE
	LIMITS OF CONSTRUCTION
	CURB AND GUTTER (NEW)
	LIMITS OF NEW CONCRETE SIDEWALK AND/OR DRIVEPAD
T.O.G.	TOP OF GRATE
INV.	INVERT
T.E.	TRAFFIC ENGINEER
T.C.E.	TEMPORARY CONSTRUCTION EASEMENT.

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EXISTING SANITARY SEWER MANHOLE DATA	EXISTING STORM SEWER MANHOLE DATA
(444) RIM = 51.37 E.INV.=43.50 W.INV.=43.24	(447) RIM = 50.54 N.INV.=44.35 NE.INV.=44.35 NW.INV.=44.99 SW.INV.=45.58 W.INV.=42.42
(541) MANHOLE NOT FOUND	

NOTES

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10. REMOVE PARKING METER POSTS FROM EAST SIDE OF SECOND STREET. SALVAGE TO CITY.
11. THE CONTRACTOR SHALL CONTACT THE CITY OF ALBUQUERQUE PARKING DIVISION FOR METER HEAD REMOVAL AND REPLACEMENT.

26 4018-91 1396

20/90027.13CD1/13PP22U/4-3-92/MRL

AS BUILT INFORMATION

CONTRACTOR	Moore & Cowlart Construction	
WORK STAKED BY	Moore & Cowlart	DATE 6/95
INSPECTOR'S ACCEPTANCE BY	C.O.A.	DATE 9/95
FIELD VERIFICATION BY	C.O.A.	DATE 9/95
DRAWINGS CORRECTED BY	DAVID ENG	DATE 10/95

MICRO-FILM INFORMATION

RECORDED BY	DATE
NO.	

BENCH MARKS

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ELEV. = 4950.56 (SECOND ORDER)

SURVEY INFORMATION

NO.	FIELD NOTES BY	DATE
1	ALBUQUERQUE SURVEY CO. INC.	10/90

ENGINEER'S SEAL

CAMILLE DUBE NEW MEXICO REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

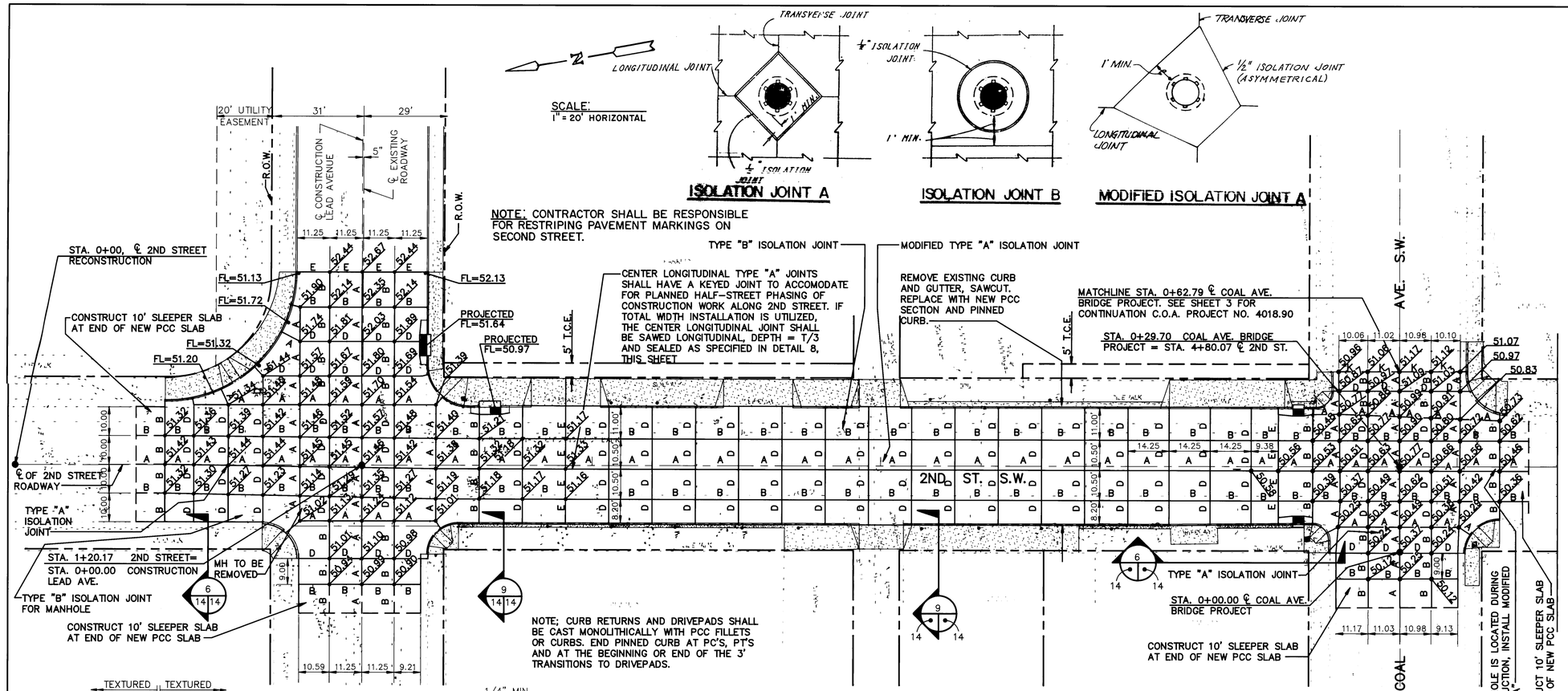
DESIGNED BY	TJM	DATE 8/91
DRAWN BY	KHK	DATE 8/91
CHECKED BY	CD	DATE 8/91

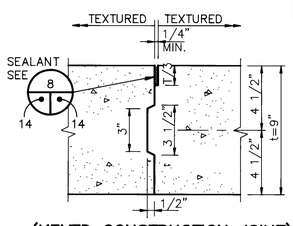
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

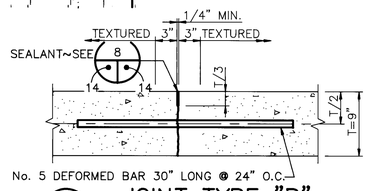
TITLE: RECONSTRUCTION AND REHABILITATION OF THE COAL AVENUE BRIDGE AND 2ND STREET, S.W. UTILITY PLAN AND PROFILE STA. 2+80 TO STA. 6+00

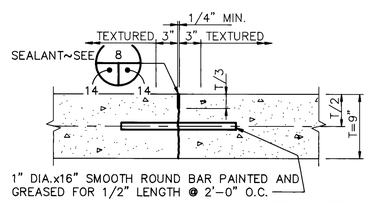
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN		6-19-92	WATER		4-27-92
TRANSPORTATION		6-19-92	WASTE WATER		..
HYDROLOGY		4-27-92			

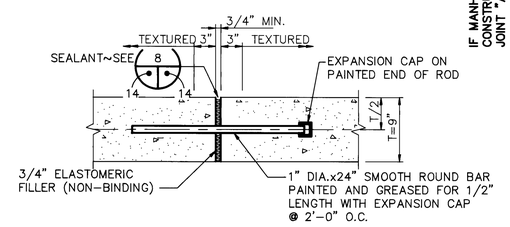
PROJECT NO.	MAP NO.	SHEET	OF
4018.91	K-14N	13	25

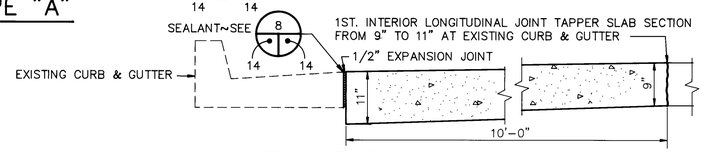


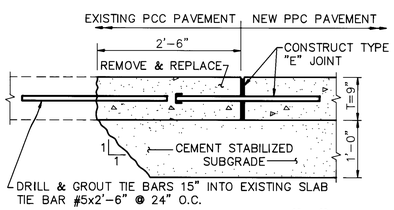


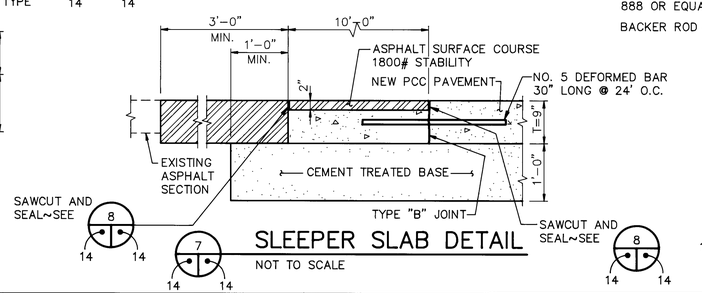


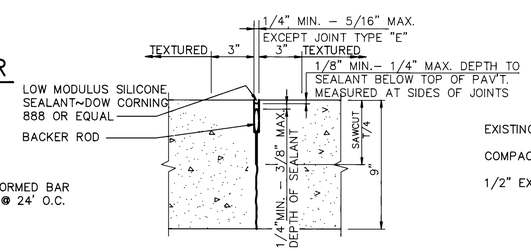


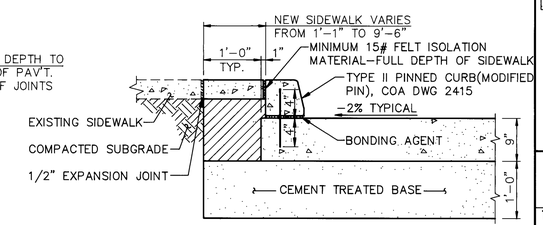












NOTE:
CURB HEIGHTS VARY WITHIN THE PROJECT AREA. MATCH TO TOP OF ADJECENT EXISTING SIDEWALK

NOTE: BONDING AGENT BETWEEN PINNED CURB AND PCC PAVEMENT SHALL BE APPLIED AS PER MANUFACTURER'S RECOMMENDATIONS AND ENGINEER'S APPROVAL. SURFACES SHALL BE CLEANED PRIOR TO APPLICATION.

NOTES

1. THE CONTRACTOR SHALL SCHEDULE CONCRETE WORK SO THAT END OF DAYS PAVING ENDS AT A DEFINED CONTRACTION JOINT.
2. CONTRACTOR SHALL SUBMIT A JOINT PLAN FOR REVIEW AND AUTHORIZATION FOR CONSTRUCTION BY THE ENGINEER. NO PCC PAVEMENT CONSTRUCTION SHALL BEGIN WITHOUT AN AUTHORIZED JOINT PLAN.

L E G E N D

POWER POLE
POWER POLE (METAL/H.V.)
ANCHOR
LIGHT POLE
PARKING METER
GUARD POST
TRAFFIC SIGN
CABLE TELEVISION BOX
ELECTRIC BOX
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OVERHEAD ELECTRIC CABLE
CURB AND GUTTER (NEW)
LIMITS OF NEW CONCRETE SIDEWALK AND/OR DRIVEPAD
XXX FINISH ELEVATION
T.C.E. TEMPORARY CONSTRUCTION EASEMENT

26-4018.91 1496

20/90027.13CD4/JOINTS92/11-10-93/JDM

AS BUILT INFORMATION
CONTRACTOR Moore & Conduit Constr. DATE 6/9/94
WORK STAKED BY Moore & Conduit DATE 6/9/94
INSPECTOR'S ACCEPTANCE BY C.O.A. DATE 4/7/95
FIELD VERIFICATION BY C.O.A. DATE 4/7/95
DRAWINGS CORRECTED BY AVID ENG. DATE 10/95
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
THE STATION IS A STANDARD ALBUQUERQUE CITY BRASS CAP MARKED "3-K14". THE STATION IS LOCATED BEHIND THE CURB IN THE NORTHEAST QUADRANT OF THE INTERSECTION OF THIRD ST. AND LEAD AVE. SW.
ELEV. = 4950.56 (SECOND ORDER)

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGNED BY	CD/TJM	DATE 11/91
DRAWN BY	TJM/KHK	DATE 11/91
CHECKED BY	CD	DATE 11/91

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: RECONSTRUCTION AND REHABILITATION OF THE COAL AVENUE BRIDGE AND 2ND STREET, S.W. CONCRETE PAVEMENT JOINT LAYOUT & DETAILS STA. 0+00 TO STA. 6+00

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	[illegible]	12-20-93	WATER	[illegible]	12-17-93
TRANSPORTATION	[illegible]	12-20-93	WASTE WATER	[illegible]	12-17-93
HYDROLOGY	N/A	PC 12-6-93			

PROJECT NO. 4018.91 | MAP NO. K-14N | SHEET 14 OF 25

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. CONTRACTOR SHALL NOT BEGIN WORK BEFORE 8:30 A.M. OR END WORK AFTER 4:00 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:
    1. STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
    2. THE CITY OF ALBUQUERQUE TRAFFIC CODE, LATEST EDITION.
    3. SECTION 19 OF THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS FOR PUBLIC WORK CONSTRUCTION, AS WELL AS OTHER SECTIONS.

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

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

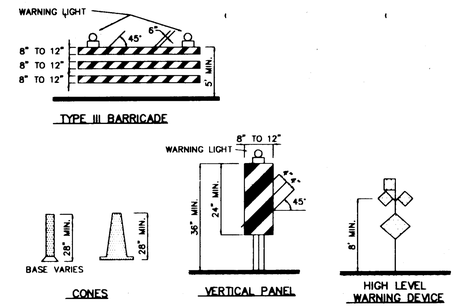
25. TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.

PROJECT CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

1. SEE SHEET 17 FOR SEQUENCING AND SPECIAL SIGNS FOR TRAFFIC CONTROL.

2. ANY MODIFICATIONS OR CHANGES TO TRAFFIC CONTROL SHALL CONFORM WITH THE CITY OF ALBUQUERQUE TYPICAL TRAFFIC CONTROL LAYOUTS AND THE LATEST EDITION OF THE M.U.T.C.D., AND APPROVED BY THE ENGINEER.

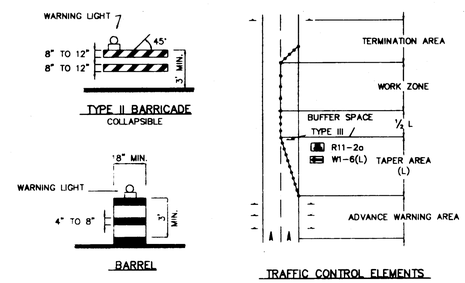
3 THIS PROJECT'S TRAFFIC CONTROL REQUIRES SIGNALIZATION MODIFICATIONS AND EQUIPMENT. INSTALLATION AND MODIFICATIONS SHALL BE COORDINATED WITH THE CITY OF ALBUQUERQUE. ALL SIGNALIZATION EQUIPMENT AS INDICATED IN THE TRAFFIC CONTROL PLANS SHALL BE INCLUDED IN THE LUMP SUM BID PRICE FOR TRAFFIC CONTROL AND NO ADDITIONAL PAYMENT WILL BE MADE THEREFORE.



LEGEND

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

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



TAPER REQUIREMENTS

SPEED LIMIT (MPH)	TAPER LENGTH (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 FOR ADVANCE WARNING SIGN SERIES

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

TAPER CRITERIA

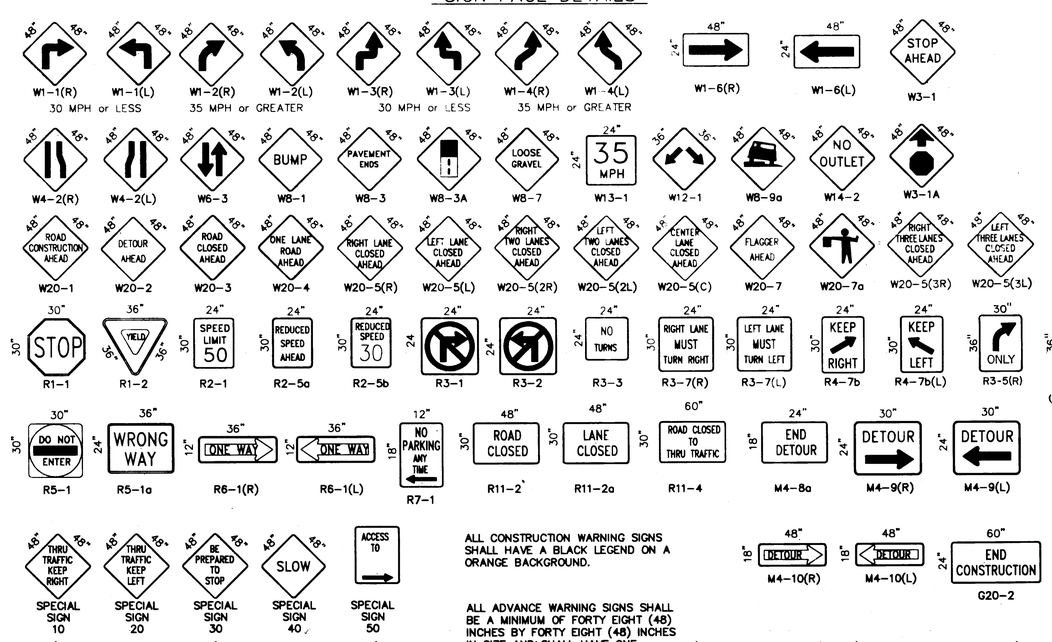
TYPE OF TAPER	TAPER LENGTH
UPSTREAM TAPER:	
MERGING TAPER	L MINIMUM
SHIFTING TAPER	½ L MINIMUM
SHOULDER TAPER	⅓ L MINIMUM
TWO-WAY TRAFFIC TAPER	100 FEET MAXIMUM
DOWNSTREAM TAPERS	100 FEET PER LANE

TAPER LENGTH COMPUTATION

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

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

SIGN FACE DETAILS



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

ALL ADVANCE WARNING SIGNS SHALL BE A MINIMUM OF FORTY EIGHT (48) INCHES BY FORTY EIGHT (48) INCHES IN SIZE AND SHALL HAVE ONE WARNING LIGHT.

AS BUILT INFORMATION
CONTRACTOR Moore & Conner DATE 6/94
WORK STAKED BY Moore & Conner DATE 6/94
INSPECTOR'S ACCEPTANCE BY C.O.A. DATE 9/96
FIELD TOLERANCE BY C.O.A. DATE 1/96
VERIFICATION BY DAVID ENG. DATE 10/96
CORRECTED BY DAVID ENG. DATE 10/96
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
RICARDO ROYBAL
NEW MEXICO LICENSED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGNED BY RICARDO ROYBAL P.E. DATE AUG. 1992
DRAWN BY CADD.- A.F.V. DATE AUG. 1992
CHECKED BY DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

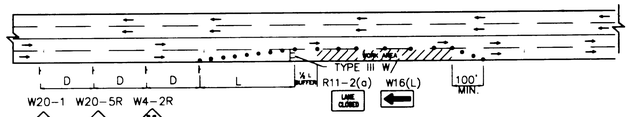
TITLE: RECONSTRUCTION OF THE COAL AVE BRIDGE AND 2nd STREET S.W.

SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS

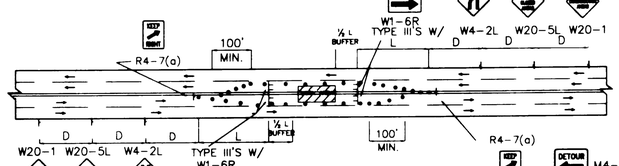
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER		
TRANSPORTATION			WASTE WATER		
HYDROLOGY					

PROJECT NO.	MAP NO.	SHEET	OF
4018.91	K-14	15	25

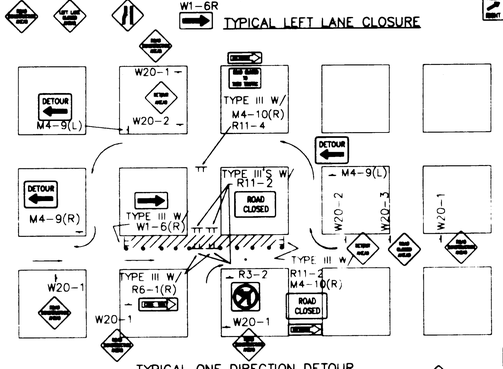
08-11-92
CTCSTD1.DWG (1=1')



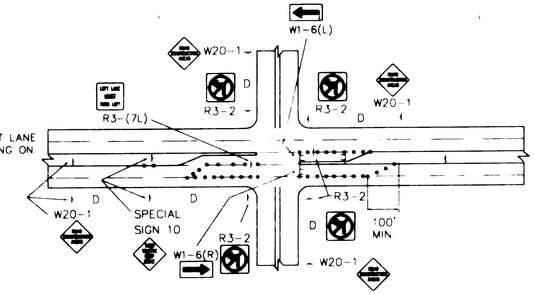
TYPICAL RIGHT LANE CLOSURE



TYPICAL LEFT LANE CLOSURE



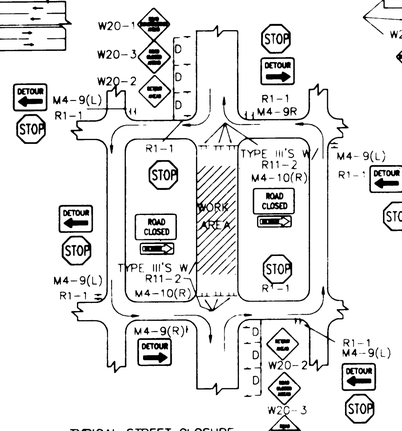
TYPICAL ONE DIRECTION DETOUR



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

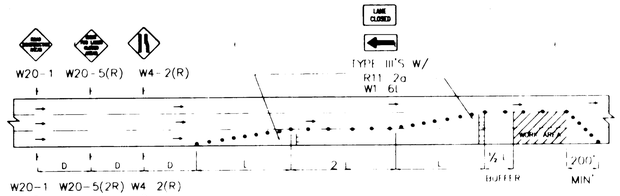
TYPICAL LANE CLOSURE AT INTERSECTION

NOTE: DEPENDING ON WORK ZONE LOCATION

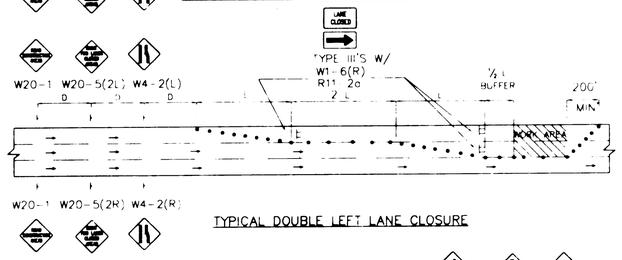


TYPICAL STREET CLOSURE

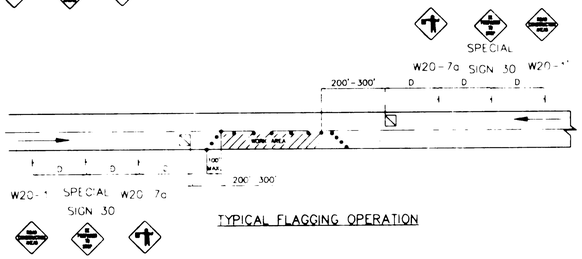
NOTE: (R1-1) BASED ON FIELD CONDITIONS.



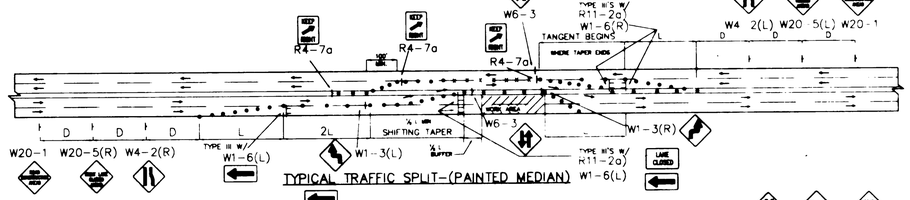
TYPICAL DOUBLE RIGHT LANE CLOSURE



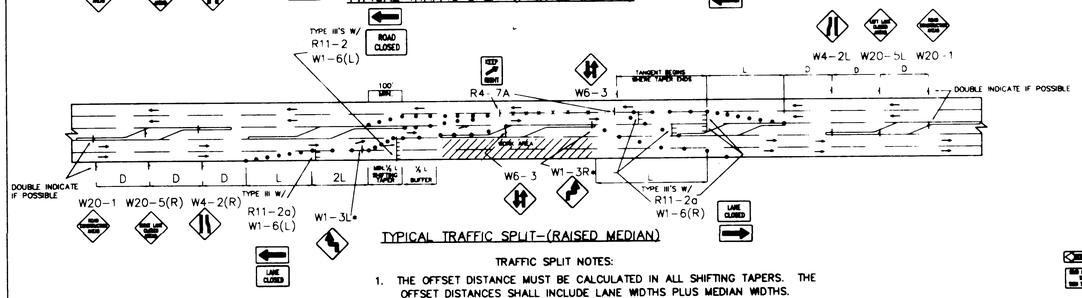
TYPICAL DOUBLE LEFT LANE CLOSURE



TYPICAL FLAGGING OPERATION



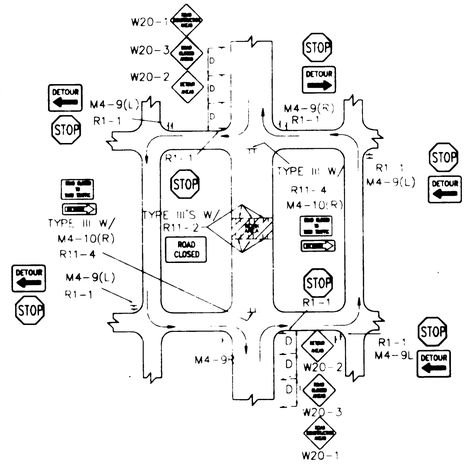
TYPICAL TRAFFIC SPLIT-(PAINTED MEDIAN)



TYPICAL TRAFFIC SPLIT-(RAISED MEDIAN)

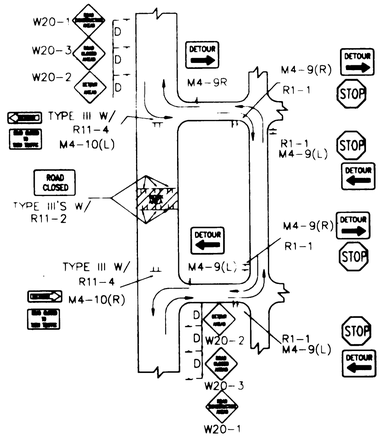
TRAFFIC SPLIT NOTES:

1. THE OFFSET DISTANCE MUST BE CALCULATED IN ALL SHIFTING TAPERS. THE OFFSET DISTANCES SHALL INCLUDE LANE WIDTHS PLUS MEDIAN WIDTHS.
2. ½ L IS MINIMUM DISTANCE FOR SHIFTING TAPERS.
3. REVERSE CURVES MAY BE IMPLEMENTED. ALL CURVE DATA SHALL BE CALCULATED.
4. MEDIAN REMOVAL SHALL BE REQUIRED IF ½ L OR REVERSE CURVE IS NOT SUFFICIENT. MEDIAN REMOVAL SHALL TAKE PLACE BEFORE SPLITS.
5. REDUCED SPEED MAY BE CONSIDERED.
6. * USE 1-3 FOR 30 MPH OR LESS, W1-4 FOR SPEED 35 MPH OR GREATER.



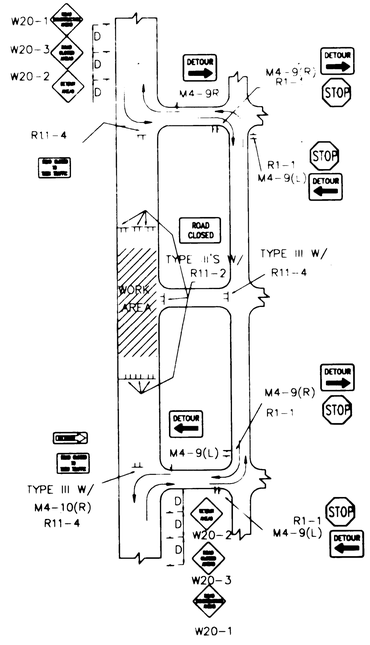
TYPICAL MID-BLOCK CLOSURE

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



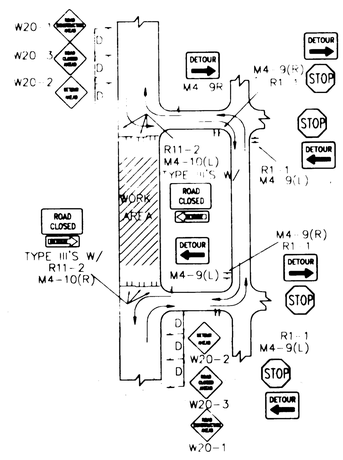
TYPICAL STREET CLOSURE

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



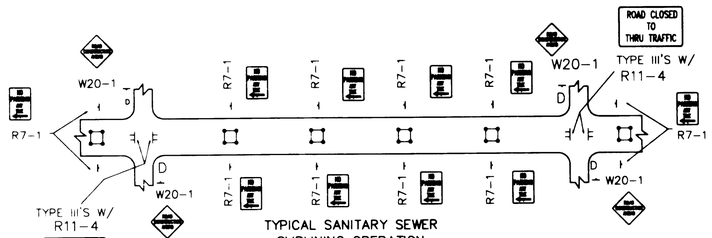
TYPICAL STREET CLOSURE

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



TYPICAL STREET CLOSURE

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



TYPICAL SANITARY SEWER SLIPLINING OPERATION

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

AS BUILT INFORMATION
CONTRACTOR: Moore & Conlaet DATE 2-25-92
STAKED BY: Moore & Conlaet DATE 2-25-92
AGENCY: C.O.A. DATE 2-25-92
FIELD VERIFIED BY: C.O.A. DATE 2-25-92
DRAWINGS BY: DAVID CAY DATE 2-25-92
CORRECTIONS BY: MICRO-FILM INFORMATION DATE 2-25-92
RECORDED BY: DATE
NO:

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

SEAL

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGN
DESIGNED BY RICARDO ROYBAL, P.E. DATE NOV. 1991
DRAWN BY C.A.D.D./W.L.B./A.F.V. DATE NOV. 1991
CHECKED BY DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: COAL AVENUE OVERPASS REHABILITATION
TYPICAL TRAFFIC CONTROL & SIGNING EXAMPLES (REF. M.U.T.C.D.)

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER		
TRANSPORTATION			WASTE WATER		
HYDROLOGY					

PROJECT NO.	MAP NO.	SHEET	OF
4018.91	K-14N	16	25

05-13-92
CTCSTD2.DWG

CONSTRUCTION SEQUENCING

PHASE I: (See Sheet 3)

1. CLOSE COAL AVE BRIDGE TO TRAFFIC.
2. REDUCE COAL AVE TO ONE LANE AT 2nd ST.
3. REDUCE LEAD AVE TO TWO LANES AT BROADWAY BLVD..
4. PROVIDE FOR TWO-WAY TRAFFIC (TWO LANES WESTBOUND/ONE LANE EASTBOUND) ACROSS LEAD AVE BRIDGE.
5. SIGNALIZATION MODIFICATIONS AT LEAD AVE/BROADWAY BLVD TO ACCOMMODATE RIGHT TURN.
   A. PLACE TEMPORARY 3-SECTION SIGNAL HEAD ASSEMBLIES "S1" & "S2" (SEE SHEET 3 OF 7) ON TYPE I POLES MOUNTED ON MOVABLE CONCRETE FOUNDATIONS AND CONNECT TO EXISTING SIGNAL POLE LOCATED ON SOUTHEAST CORNER OF INTERSECTION.
   B. CONTRACTOR SHALL PROVIDE FOR AN OFF DUTY POLICE OFFICER TO CONTROL TRAFFIC WHILE SIGNAL MODIFICATIONS ARE BEING PERFORMED.

   ALL WIRING CONNECTIONS, CONTROLLER PROGRAMMING AND SIGNAL TIMING SHALL BE PERFORMED BY THE CITY OF ALBUQUERQUE. CONTRACTOR SHALL NOTIFY MR. KEVIN BRODERICK (291-6220) 48 HOURS PRIOR TO PERFORMING ANY SUCH WORK ON THE SIGNAL TO COORDINATE CITY OF ALBUQUERQUE PERSONNEL TO BE PRESENT.
6. DETOUR COAL AVE TRAFFIC NORTH ON 2nd ST, THEN EAST ON LEAD AVE OVER THE BRIDGE (ONE LANE). PROVIDE RIGHT TURN AT BROADWAY BLVD, THEN SOUTH ON BROADWAY BLVD TO COAL AVE.
7. CONSTRUCT/REHABILITATE COAL AVE BRIDGE.

PHASE II: (See Sheet 4)

1. REDUCE COAL AVE TO ONE LANE AT 2nd ST (SOUTHERN LANE).
2. REDUCE LEAD AVE TO ONE LANE AT 2nd ST (NORTHERN LANE).
3. REDUCE 2nd ST TO ONE LANE AT COAL AVE (WESTERN LANE).
4. CONSTRUCT EASTERN HALF OF 2nd ST BETWEEN COAL AVE & LEAD AVE, SE QUADRANT OF LEAD AVE/2nd ST, AND NE QUADRANT OF COAL AVE/2nd ST.

PHASE III: (See Sheet 5)

1. REDUCE COAL AVE TO ONE LANE AT 2nd ST (SOUTHERN LANE).
2. REDUCE LEAD AVE TO ONE LANE AT 2nd ST (NORTHERN LANE).
3. REDUCE 2nd ST TO ONE LANE AT COAL AVE (EASTERN LANE).
4. CONSTRUCT WESTERN HALF OF 2nd ST BETWEEN COAL AVE & LEAD AVE, SW QUADRANT OF LEAD AVE/2nd ST, AND NW QUADRANT OF COAL AVE/2nd ST.

PHASE IV: (See Sheet 6)

1. REDUCE COAL AVE TO ONE LANE AT 2nd ST (NORTHERN LANE).
2. REDUCE LEAD AVE TO ONE LANE AT 2nd ST (SOUTHERN LANE).
3. REDUCE 2nd ST TO ONE LANE AT COAL AVE (EASTERN LANE).
4. CONSTRUCT NW QUADRANT OF LEAD AVE/2nd ST AND SW QUADRANT OF COAL AVE/2nd ST.

PHASE V: (See Sheet 7)

1. REDUCE COAL AVE TO ONE LANE AT 2nd ST (NORTHERN LANE).
2. REDUCE LEAD AVE TO ONE LANE AT 2nd ST (SOUTHERN LANE).
3. REDUCE 2nd ST TO ONE LANE AT COAL AVE (WESTERN LANE).
4. CONSTRUCT NE QUADRANT OF LEAD AVE/2nd ST AND SE QUADRANT OF COAL AVE/2nd ST.

AS BUILT INFORMATION
CONTRACTOR Moore & Conner Const.
WORK STAKED BY Moore & Conner DATE 6/94
INSPECTOR ACCEPTANCE BY C.O.A. DATE 8/94
FIELD VERIFICATION BY C.O.A. DATE 8/94
DRAWINGS CORRECTED BY AVID Eng. DATE 10/96
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY

DESIGN
DESIGNED BY DATE
DRAWN BY DATE
CHECKED BY DATE

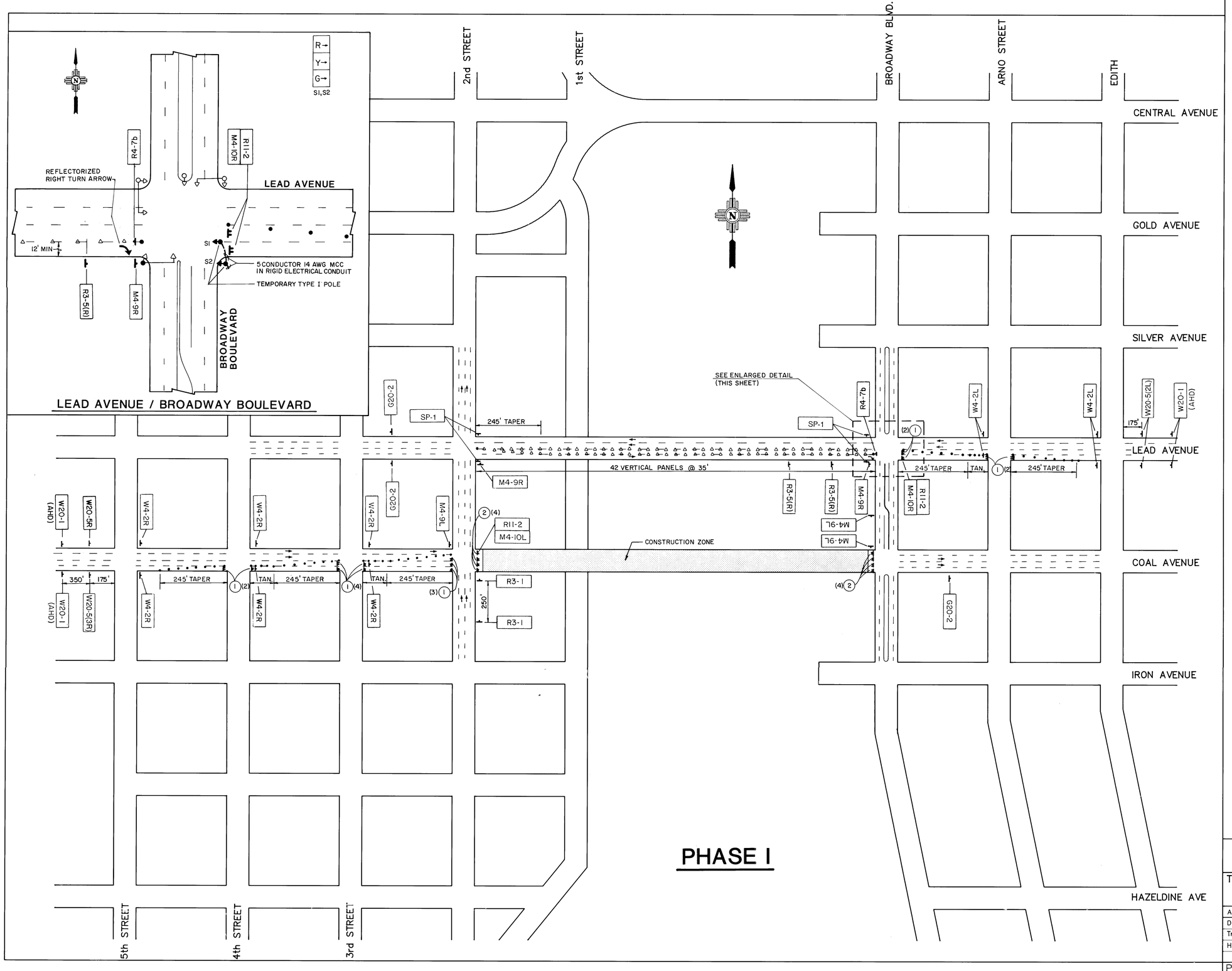
AVID ENGINEERING, INC.
Civil • Structural • Transportation
6100 Seagull St. NE – Suite 102
Albuquerque, NM 87109 – (505) 881-5357

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: RECONSTRUCTION OF THE COAL AVE BRIDGE AND 2nd STREET S.W.
CONSTRUCTION SEQUENCING

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair			Water		
Transportation		2/4/94	Waste Water		
Hydrology					

PROJECT NO.	MAP NO.	SHEET	OF
4018.91	K-14	17	25



LEGEND

- CONSTRUCTION ZONE
- TYPE III BARRICADE
- TRAFFIC SIGN
- **TYPE I BARRICADE**
- VERTICAL PANEL
- DIRECTION OF TRAVEL

KEYED NOTES

1. TYPE III BARRICADES (#) W/R11-2a
2. TYPE III BARRICADES (#) W/R2-11

24-4018.91 1896

AVID ENGINEERING, INC.
Civil • Structural • Transportation
6100 Seagull St. NE – Suite 102
Albuquerque, NM 87109 – (505) 881-5357

AS BUILT INFORMATION
CONTRACTOR Moore & Conart Const.
WORK STAKED BY Moore & Conart DATE 6/94
INSPECTOR ACCEPTANCE BY C.O.A. DATE 9/95
FIELD VERIFICATION BY C.O.A. DATE 9/95
DRAWINGS CORRECTED BY AVID Engs. DATE 9/95
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
JAMES E. BOYD
NEW MEXICO
(233)
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY

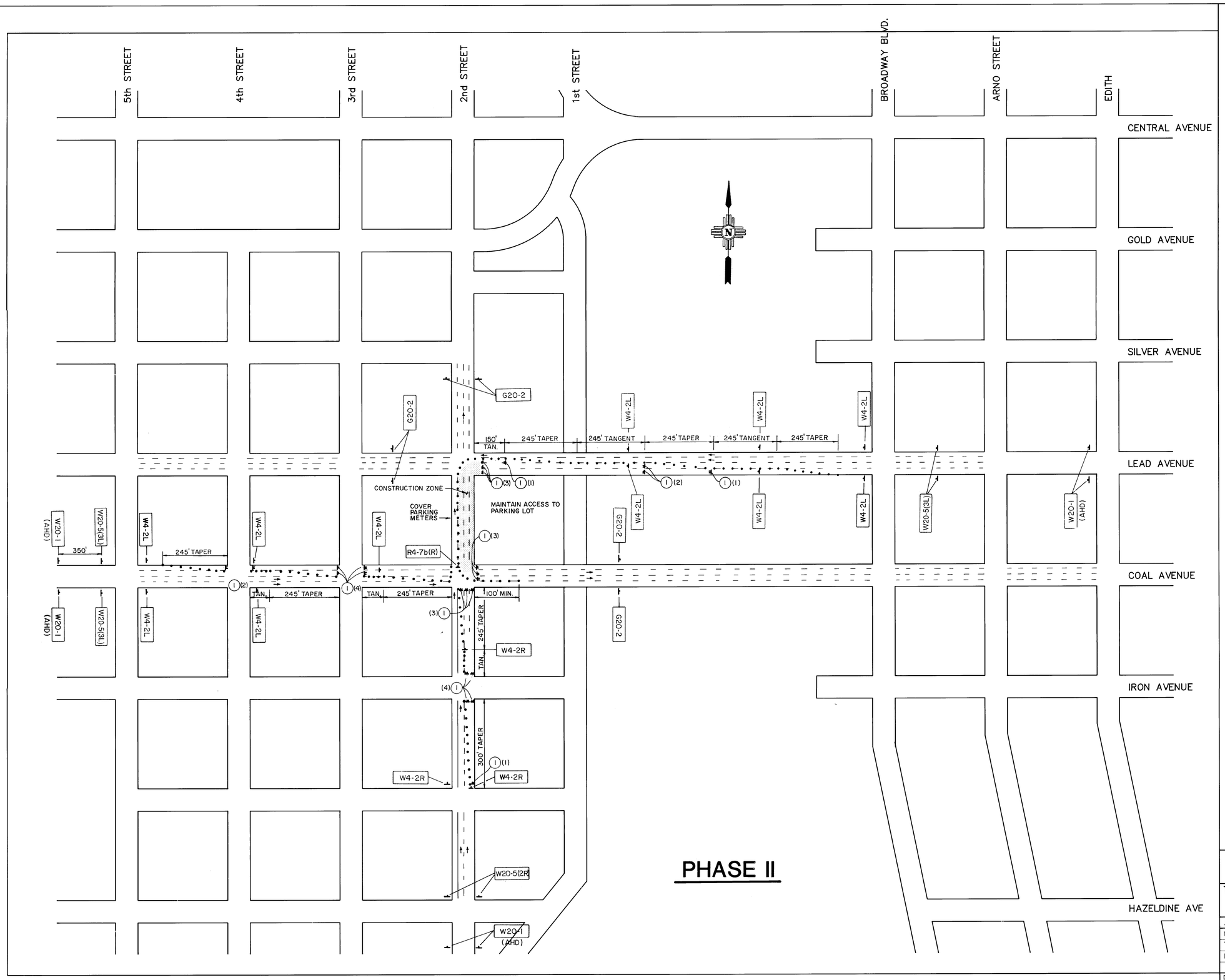
DESIGN
DESIGNED BY DATE
DRAWN BY DATE
CHECKED BY DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: RECONSTRUCTION OF THE COAL AVE BRIDGE AND 2nd STREET S.W.
CONSTRUCTION SIGNING LAYOUT - PHASE I

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair			Water		
Transportation	Ruben Rupp	2/4/94	Waste Water		
Hydrology					

PROJECT NO.	MAP NO.	SHEET	OF
4018.91	K-14	18	25



LEGEND

- CONSTRUCTION ZONE
- TYPE III BARRICADE
- TRAFFIC SIGN
- **TYPE I BARRICADE**
- VERTICAL PANEL
- DIRECTION OF TRAVEL

KEYED NOTES

(1) TYPE III BARRICADES (#) W/R11-2a

AS BUILT INFORMATION
CONTRACTOR Moore & Conduct Consto.
WORK STAKED BY Moore & Conduct DATE 2/4/95
INSPECTOR'S ACCEPTANCE BY C.O.A. DATE 2/4/95
FIELD VERIFICATION BY C.O.A. DATE 2/4/95
DRAWINGS CORRECTED BY AVID Eng. DATE 2/6/95
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
STATE OF NEW MEXICO 12133 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY

DESIGN
DESIGNED BY DATE
DRAWN BY DATE
CHECKED BY DATE

2C-4018.91 1990

AVID ENGINEERING, INC.
Civil • Structural • Transportation
6100 Seagull St. NE - Suite 102
Albuquerque, NM 87109 - (505) 881-3357

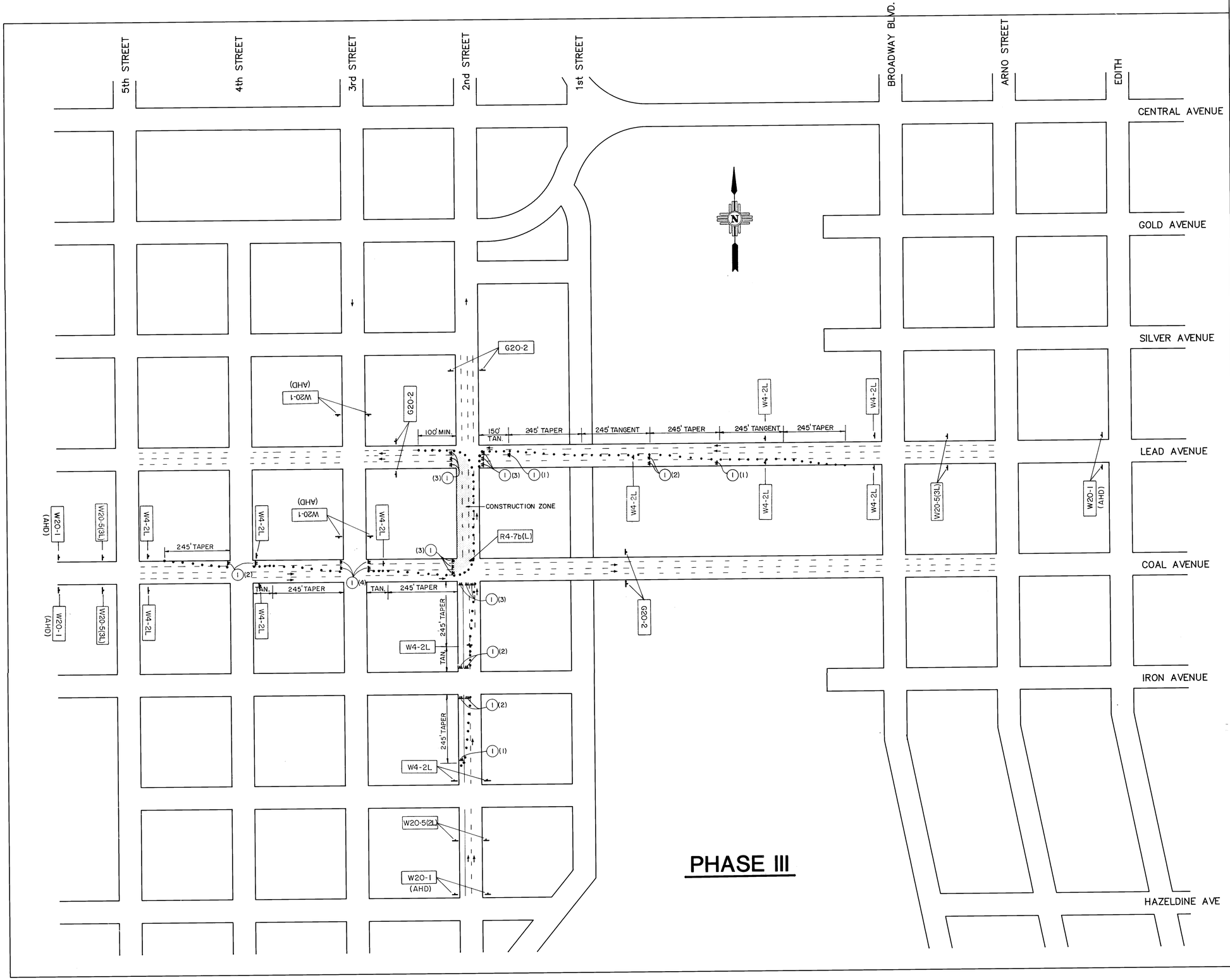
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: RECONSTRUCTION OF THE COAL AVE BRIDGE AND 2nd STREET S.W.

CONSTRUCTION SIGNING LAYOUT - PHASE II

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair			Water		
Transportation	RBafal	2/3/94	Waste Water		
Hydrology					

PROJECT NO.	MAP NO.	SHEET	OF
4018.91	K-14	19	25



LEGEND

- CONSTRUCTION ZONE
- TYPE III BARRICADE
- TRAFFIC SIGN
- **TYPE I BARRICADE**
- VERTICAL PANEL
- DIRECTION OF TRAVEL

KEYED NOTES

(1) TYPE III BARRICADES (#) W/R11-2a

26-4018.91 20916

AVID ENGINEERING, INC.
Civil • Structural • Transportation
6100 Seagull St. NE – Suite 102
Albuquerque, NM 87109 – (505) 881-5357

AS BUILT INFORMATION	
CONTRACTOR	Moore & Cousser Constr.
WORK STAKED BY	Moore & Cousser DATE 6/96
INSPECTOR'S ACCEPTANCE BY	C.O.A. DATE 1/96
FIELD VERIFICATION BY	C.O.A. DATE 1/96
DRAWINGS CORRECTED BY	AVID ENG. DATE 1/96
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	

BENCH MARKS

SURVEY INFORMATION

FIELD NOTES		
NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY

DESIGN

DESIGNED BY DATE
DRAWN BY DATE
CHECKED BY DATE

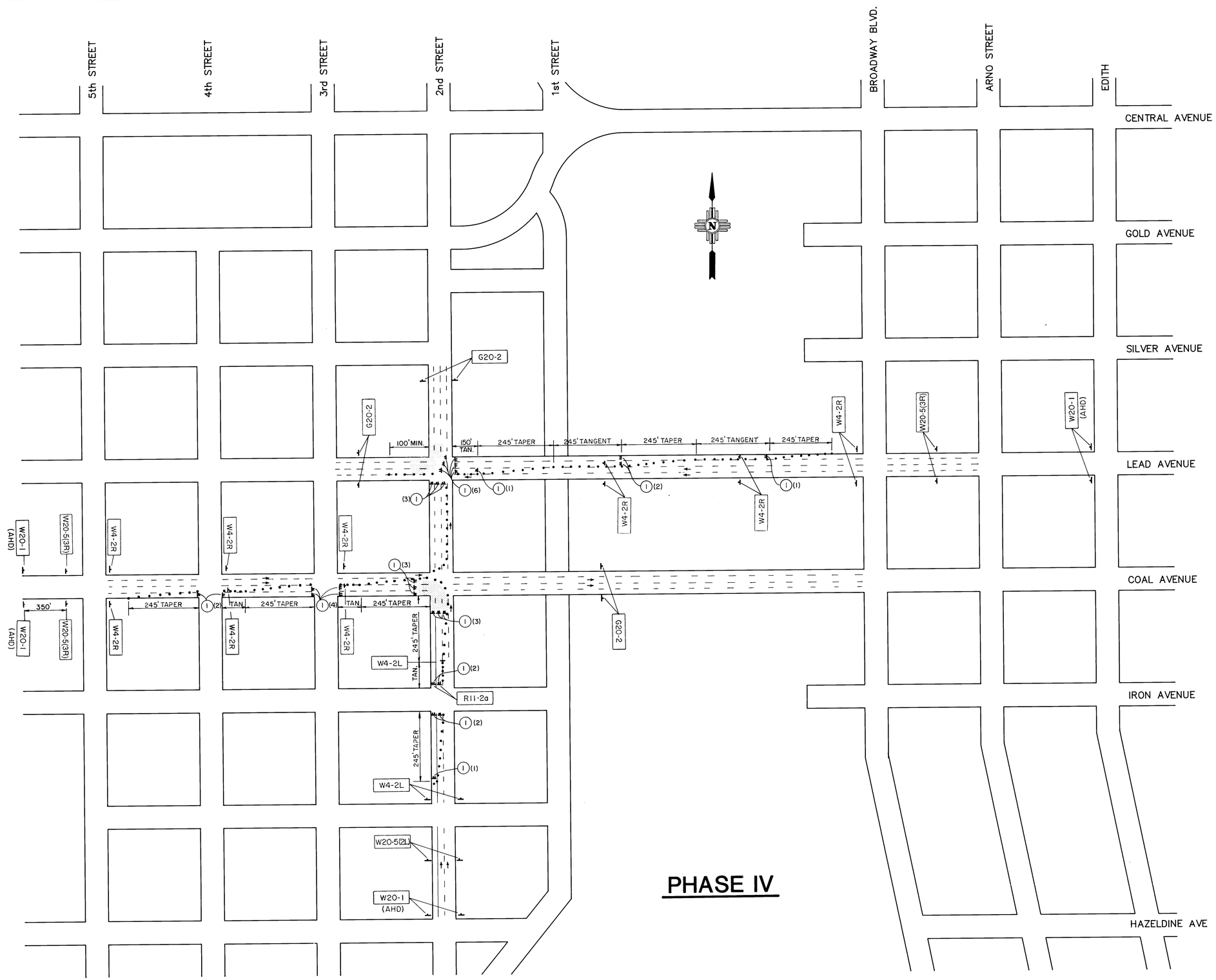
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: RECONSTRUCTION OF THE COAL AVE BRIDGE AND 2nd STREET S.W.

CONSTRUCTION SIGNING LAYOUT - PHASE III

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair			Water		
Transportation	T. Bayfield	2/4/94	Waste Water		
Hydrology					

PROJECT NO.	MAP NO.	SHEET	OF
4018.91	K-14	20	25



LEGEND

- CONSTRUCTION ZONE
- TYPE III BARRICADE
- TRAFFIC SIGN
- **TYPE I BARRICADE**
- VERTICAL PANEL
- DIRECTION OF TRAVEL

KEYED NOTES

(1) TYPE III BARRICADES (#) W/R11-2a

AS BUILT INFORMATION
CONTRACTOR Moore & Lovato Const.
WORK STAKED BY Moore & Lovato DATE 6/96
INSPECTOR'S ACCEPTANCE BY C.O.A. DATE 9/96
FIELD VERIFICATION BY C.O.A. DATE 9/96
DRAWINGS CORRECTED BY AVID ENG. DATE 9/96
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY

DESIGN
DESIGNED BY DATE
DRAWN BY DATE
CHECKED BY DATE

24-4018.91 12196

AVID ENGINEERING, INC.
Civil • Structural • Transportation
6100 Seagull St. NE – Suite 102
Albuquerque, NM 87109 – (505) 881-5357

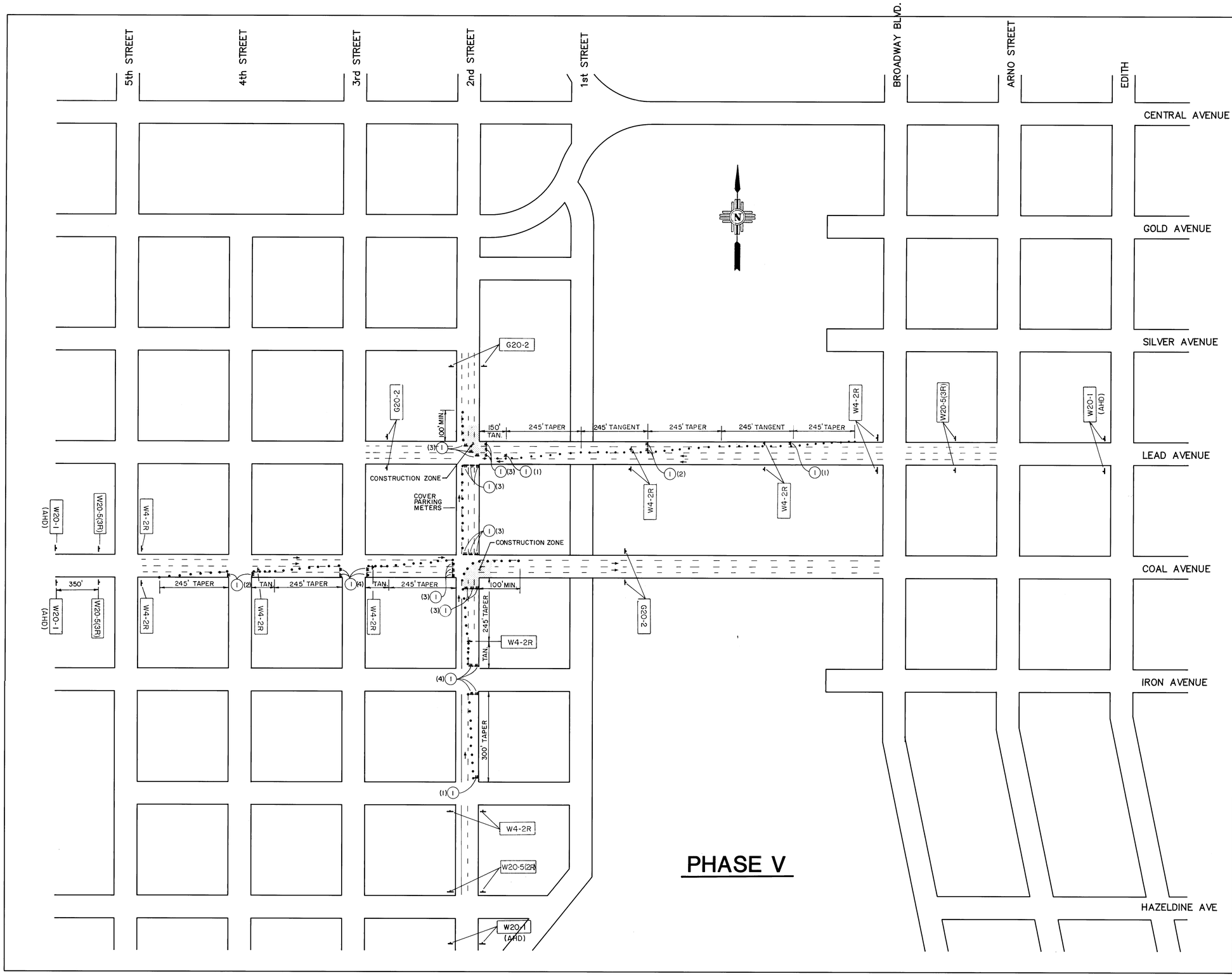
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: RECONSTRUCTION OF THE COAL AVE BRIDGE AND 2nd STREET S.W.

CONSTRUCTION SIGNING LAYOUT - PHASE IV

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair			Water		
Transportation	R Boyd	2/4/94	Waste Water		
Hydrology					

PROJECT NO.	MAP NO.	SHEET	OF
4018.91	K-14	21	25



LEGEND

- CONSTRUCTION ZONE
- TYPE III BARRICADE
- TRAFFIC SIGN
- **TYPE I BARRICADE**
- VERTICAL PANEL
- DIRECTION OF TRAVEL

KEYED NOTES

1 TYPE III BARRICADES (#) W/R11-2a

2G-4018.91 2296

AVID ENGINEERING, INC.
Civil • Structural • Transportation
6100 Seagull St. NE – Suite 102
Albuquerque, NM 87109 – (505) 881-5357

NO.	DATE	REMARKS	BY

DESIGN
DESIGNED BY DATE
DRAWN BY DATE
CHECKED BY DATE

AS BUILT INFORMATION
CONTRACTOR Moore & Cousart Const.
WORK STAKED BY Moore & Cousart DATE 6/94
INSPECTOR'S ACCEPTANCE BY C.O.A. DATE 9/94
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY AVID ENG. DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
CHRIS E. GALLEGOS 12133 REGISTERED PROFESSIONAL ENGINEER

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: RECONSTRUCTION OF THE COAL AVE BRIDGE AND 2nd STREET S.W.

CONSTRUCTION SIGNING LAYOUT - PHASE V

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair			Water		
Transportation		2/4/94	Waste Water		
Hydrology					

NO. 4018.91 | MAP NO. K-14 | SHEET 22 25

TABLE OF ALLOWABLE MOVEMENT LENGTHS AND ACCEPTABLE JOINT SEALS

SKEW	MOVEMENT LENGTH (FEET)				MANUFACTURER			JOINT MOVEMENT (IN.)	* "A" (DIMENSION @ MID TEMP T_0) (IN.)
	CONCRETE BRIDGE		STEEL BRIDGE		WATSON-BOMAN AND ACME "STRIP SEAL" MODEL NO.	D.S. BROWN CO., INC. "STEELFLEX" MODEL NO.	STRUCTURAL ACCESSORIES INC. "ONFLEX" MODEL NO.		
	SEVERE CLIMATE (-10°T0120°F) T_0 = 55°F	MODERATE CLIMATE (20°T0120°F) T_0 = 70°F	SEVERE CLIMATE (-30°T0120°F) T_0 = 45°F	MODERATE CLIMATE (0°T0120°F) T_0 = 60°F					
0° to 15°	0-427	0-556	0-342	0-427	SE-400	400L	40SEQ	0 TO 4	2
15° to 30°	0-442	0-575	0-354	0-442	SE-400	400L	40SEQ	0 TO 4	2
30° to 45°	0-493	0-642	0-395	0-493	SE-400	400L	40SEQ	0 TO 4	2

* MAXIMUM "A" IS EQUAL TO TOTAL JOINT MOVEMENT

GENERAL NOTES

1. WORKMANSHIP AND MATERIALS SHALL CONFORM TO NEW MEXICO STATE HIGHWAY AND TRANSPORTATION DEPARTEMENT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 1984 EDITION, APPLICABLE SUPPLEMENTAL SPECIFICATIONS AND SPECIAL PROVISIONS.

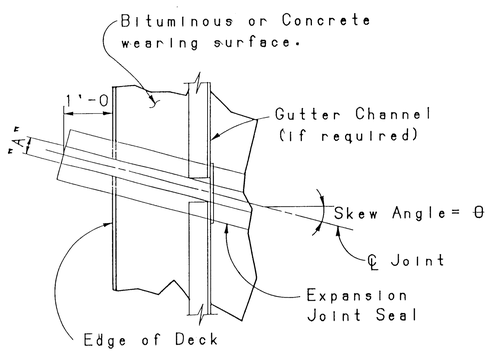
2. JOINT SEALS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. SEALS HAVING EQUAL PERFORMANCE CHARACTERISTICS TO THOSE SHOWN MAY BE SUBSTITUTED IF THE ENGINEER'S WRITTEN APPROVAL IS OBTAINED AT LEAST TWO WEEKS PRIOR TO THE DAY OF THE BID OPENING.

3. JOINT SEAL SIZES ARE BASED ON AN INSTALLATION TEMPERATURE OF T_0 (DEGREES F, MIDPOINT TEMPERATURE) AND JOINT MOVEMENTS FOR A RANGE OF TEMPERATURES AS NOTED IN THE TABLE ON THIS SHEET.
   FOR INSTALLATION TEMPERATURES BELOW T_0 INCREASE DIMENSION "A" BY THE AMOUNT SHOWN BELOW. FOR INSTALLATION TEMPERATURE ABOVE T_0 DECREASE DIMENSION "A" BY THE AMOUNT SHOWN BELOW.

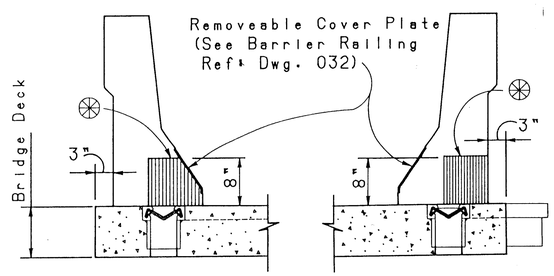
   FOR CONCRETE BRIDGES:
   CHANGE IN "A" = 0.000072 x L x cos θ x ΔT
   FOR STEEL BRIDGES:
   CHANGE IN "A" = 0.000078 x L x cos θ x ΔT
   WHERE:
   CHANGE IN "A" IS IN INCHES.
   L = MOVEMENT LENGTH IN FEET (SEE SUPERSTRUCTURE DETAILS)
   θ = SKEW ANGLE
   ΔT = CHANGE IN TEMPERATURE FROM T_0 IN DEGREES F.
   EXAMPLE: (CONCRETE BRIDGE IN SEVERE CLIMATE T_0 = 55°F)
   FOR T = 73°F, L = 100 FT, θ = 28°
   CONCRETE BRIDGE, ΔT = 73° - 55° = 18°F
   CHANGE IN "A" = 0.000072 X 100 X 0.8829 X 18
   = 0.1144 INCHES: SAY 1/8 INCH

4. UNLESS OTHERWISE SPECIFIED, EITHER TYPE I OR TYPE II JOINTS MAY BE INSTALLED AT THE OPTION OF THE CONTRACTOR.

5. UNLESS OTHERWISE SPECIFIED ON THE PLANS, ALL STRUCTURES SHALL BE CONSIDERED TO BE SUBJECTED TO A SEVERE CLIMATE.



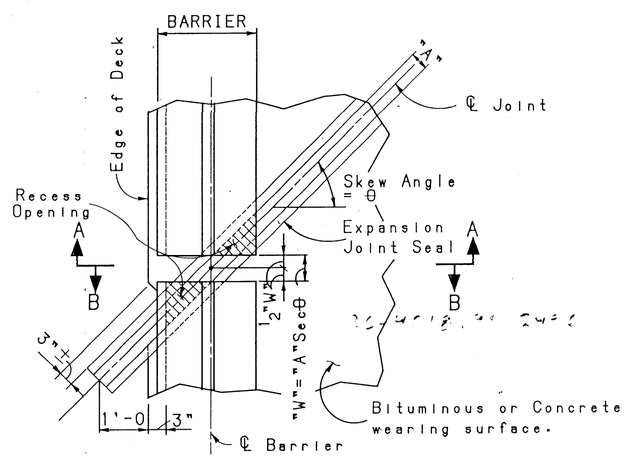
PART PLAN - SKEWED JOINT WITH METAL RAILING



SECTION A-A SECTION B-B

SIMILAR DETAIL FOR CURB AND SIDEWALK.

⊛ Recess in base of wall barrier.



PART PLAN-SKEW JOINT WITH CONCRETE BARRIER RAILING

24-4018.91 2396

NO.	DESCRIPTION	DATE	BY
6			
5			
4			
3			
2			
1	GENERAL REVISIONS	1/90	ERD

REVISIONS (OR CHANGE NOTICES)

NEW MEXICO STATE HIGHWAY AND TRANSPORTATION DEPARTMENT

ELASTOMERIC EXPANSION JOINT SEALS FOR BRIDGES GENERAL DATA

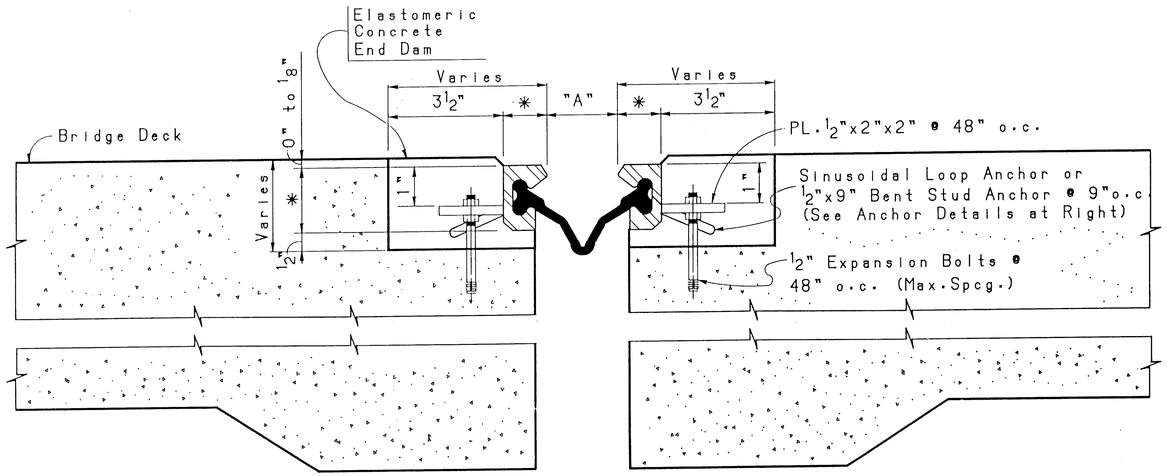
LAYOUT BY
DRAWN BY J.A.K. 1/90
CHECKED BY S.J.M. 1/90
APPROVAL RECOMMENDED BRIDGE ENGINEER — DATE 4/25/91
APPROVED DESIGN BUREAU CHIEF — DATE 6-13-91

SERIAL BJS-001-01

DESIGNED BY: S.J.M. 1/90 CHECKED BY: S.J.M. 1/90
DETAILED BY: J.A.K. 1/90 CHECKED BY: E.R.D. 1/90

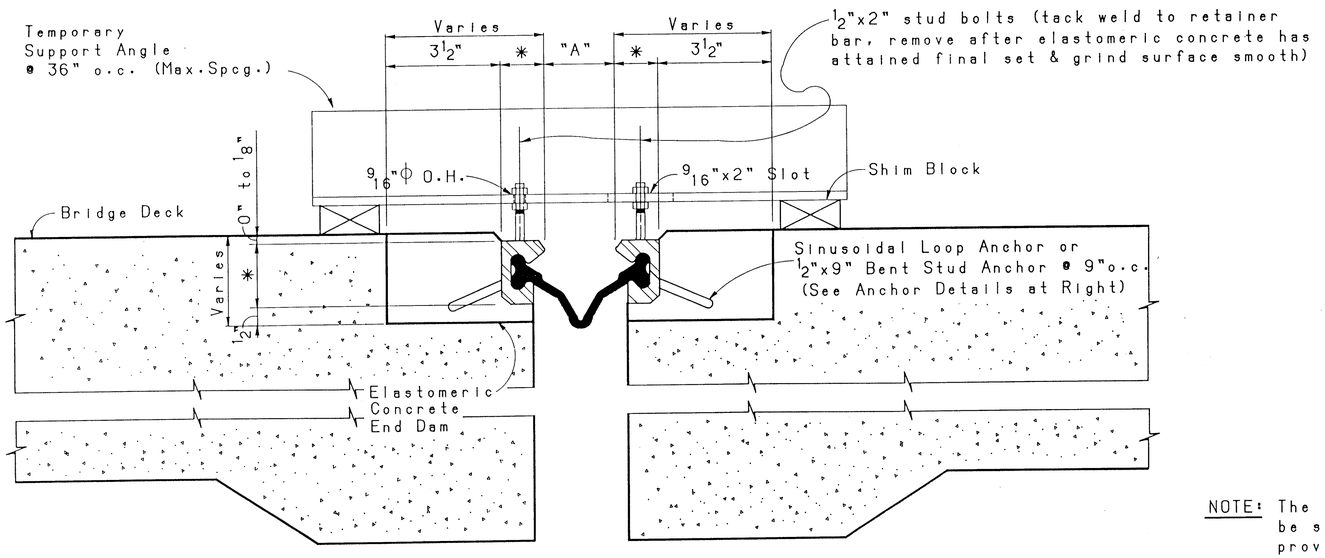
TEDD/BRIDGE/SPECIAL-DRAW$33XX

PROJ. № 4018.91



ERECTION DETAIL (ALTERNATE 1)

*Dimension of retainer bar varies with manufacturer.

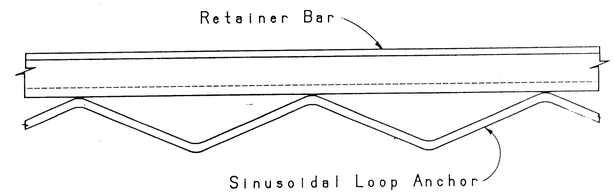


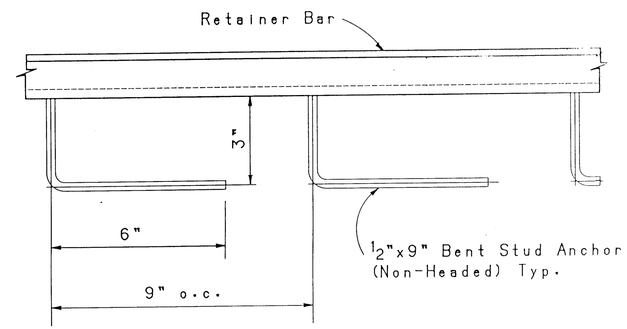
ERECTION DETAIL (ALTERNATE 2)

NOTE: The temporary support angle shall be secured in position so as to provide for lateral and vertical adjustment of the retainer bars and permit final finishing of the elastomeric concrete surface as approved by the project manager.

GENERAL NOTES

1. TYPE II INSTALLATION SHALL CONSIST OF A STEEL RETAINING BAR AND ANCHORAGE SYSTEM, AN ELASTOMERIC STRIP SEAL AND AN ELASTOMERIC CONCRETE END DAM. THE ANCHORAGE SYSTEM SHALL BE OF A CONTINUOUS SINUSOIDAL TYPE, BENT STUD ANCHOR, OR AN APPROVED EQUAL.
2. SEE SERIAL BJS-001 AND BJS-002 FOR APPROPRIATE SEAL MODEL NUMBERS AND DIMENSION "A".





PERMISSIBLE ANCHOR DETAILS

NO.	DESCRIPTION	DATE	BY
6			
5			
4			
3			
2			
1	GENERAL REVISIONS	1/90	ERD

REVISIONS (OR CHANGE NOTICES)

NEW MEXICO STATE
HIGHWAY AND TRANSPORTATION
DEPARTMENT

ELASTOMERIC EXPANSION
JOINT SEALS
FOR BRIDGES
TYPE II INSTALLATION

LAYOUT BY:
DRAWN BY: J.A.K. 12/89
CHECKED BY:

APPROVAL RECOMMENDED — BRIDGE ENGINEER — DATE 9/25/90
APPROVED — DESIGN BUREAU CHIEF — DATE 6-13-90

SERIAL BJS-003-01

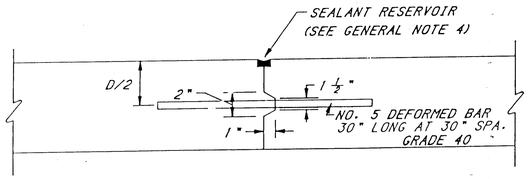
26-4018.9' 2496

DESIGNED BY: E.R.D. 12/89 CHECKED BY: S.J.M. 1/90
DETAILED BY: J.A.K. 12/89 CHECKED BY: E.R.D. 1/90

PROJ. Nº 4018.91

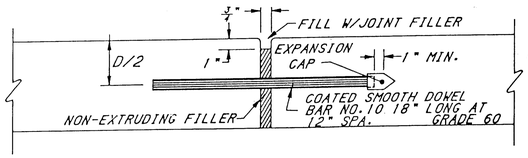
IEDD/CONCEPT/MISC-DRAWS104

F.H.W.A. REGION NO. 6	SHEET
NEW MEXICO PROJECT NO.	NO.



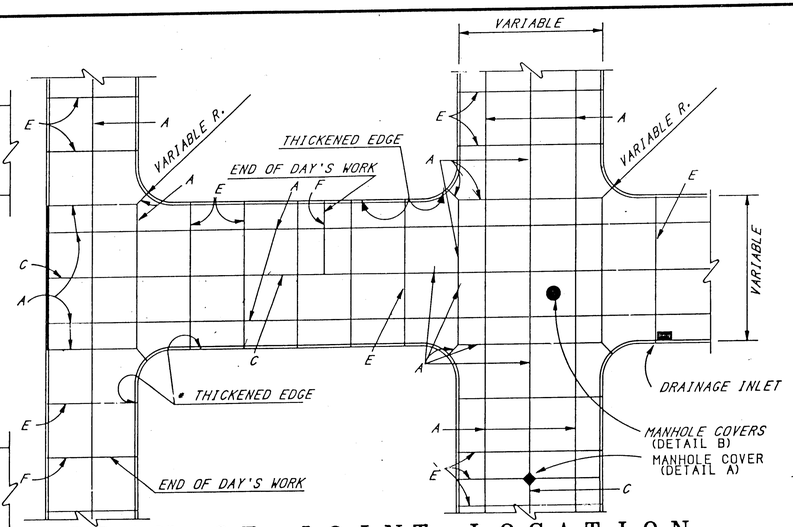
JOINT TYPE "A"

KEYED LONGITUDINAL CONSTRUCTION JOINT WITH TIEBARS



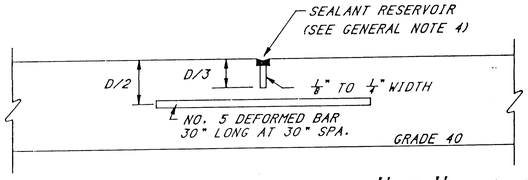
JOINT TYPE "E"

TRANSVERSE DOWELLED EXPANSION JOINT



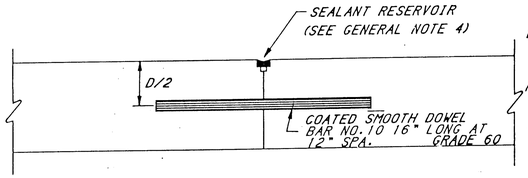
PLAN OF JOINT LOCATION

* APPLIES FOR HIGH PERCENTAGE OF TRUCK TRAFFIC



JOINT TYPE "B"

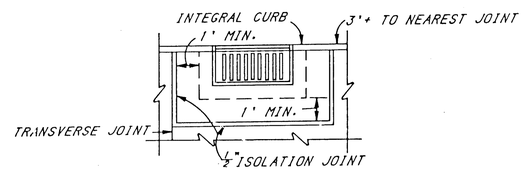
SAWED LONGITUDINAL JOINT WITH TIEBARS



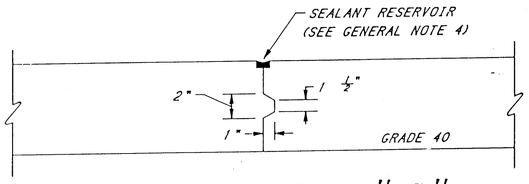
JOINT TYPE "F"

TRANSVERSE DOWELLED CONSTRUCTION JOINT

NOTE: TYPE "F" JOINTS ARE TO BE USED AT E.O.P. & B.O.P. AND AT END OF DAYS PAVING, UNLESS DAYS PAVING ENDS AT AN EXPANSION JOINT. IF THE DISTANCE FROM THE LAST JOINT TO BE SAWED TO THE TYPE "F" JOINT REQUIRED WOULD BE LESS THAN 10', THE DISTANCE BETWEEN THE LAST TWO JOINTS TO BE SAWED SHALL BE ADJUSTED SO THAT THE DISTANCE BETWEEN JOINTS WILL NOT BE LESS THAN 10'.

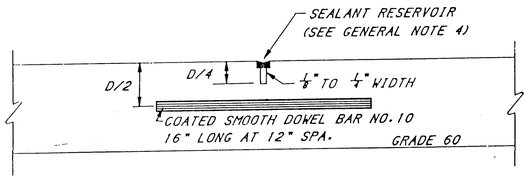


DRAINAGE INLET



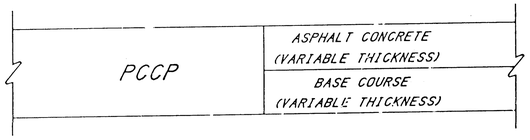
JOINT TYPE "C"

KEYED LONGITUDINAL CONSTRUCTION JOINT



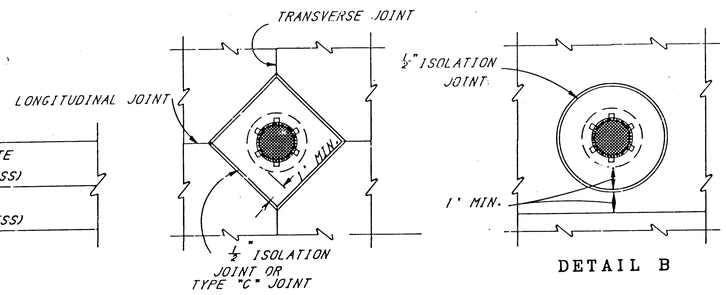
JOINT TYPE "D"

TRANSVERSE DOWELLED SAWED CONTRACTION JOINT

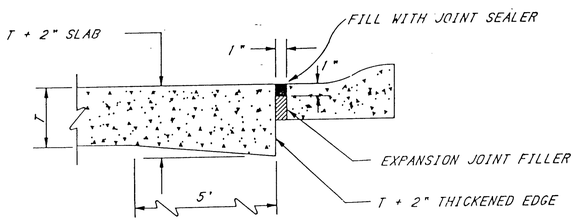


BUTT JOINT

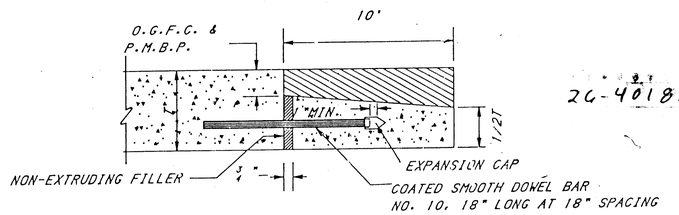
CONCRETE TO ASPHALT



MANHOLE COVERS



THICKENED SLAB EDGE



TRANSITION JOINT

26-4018.91 25 96

GENERAL NOTES

1. ONE-HALF THE LENGTH OF ALL NO. 10 SMOOTH DOWEL BARS SHALL BE COATED WITH ONE COAT OF LEAD OR TAR PAINT. THE COATED HALF SHALL BE GREASED BEFORE PLACEMENT OF CONCRETE.
2. IN ALL CASES, DOWELS IN TRANSVERSE JOINTS ARE TO BE PARALLEL TO CENTER LINE OF LANE.
3. EXPANSION JOINTS SHALL BE CONSTRUCTED AT THE DIRECTION OF THE ENGINEER. NUMBER AND LOCATION OF EXPANSION JOINTS WILL BE DEPENDENT UPON EXPANSIVE QUALITY OF CONCRETE AGGREGATES AND THE AMBIENT TEMPERATURE, AS PER PORTLAND CEMENT CONCRETE ASSOCIATION DESIGN AND CONTROL OF CONCRETE MIXTURES MANUAL, (12th EDITION, 1979).
4. SEALANT RESERVOIR, JOINT SHAPE FACTOR, AND BACKER ROD, IF REQUIRED, SHALL BE AS RECOMMENDED BY THE MANUFACTURER OF THE JOINT FILLER USED.
5. WORKMANSHIP AND MATERIALS SHALL CONFORM TO THE NEW MEXICO STATE HIGHWAY AND TRANSPORTATION DEPARTMENT SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION, AND SUPPLEMENTAL SPECIFICATIONS AND SPECIAL PROVISIONS.
6. WHEN NEW CONCRETE PAVEMENT ABUTS AN EXISTING CONCRETE PAVEMENT THE TRANSVERSE JOINT SHALL BE DOWELED WITH COATED, SMOOTH, GRADE 60, NO. 10, DOWEL BARS, 16 IN. LONG, SPACED AT 12 IN. CENTER TO CENTER. THE TRANSVERSE FACE OF THE EXISTING PCCP SHALL BE DRILLED TO ACCEPT ONE-HALF OF THE DOWEL LENGTH. THE DRILL HOLES SHALL BE LOCATED SUCH THAT THE DOWEL BARS WILL BE AT MID DEPTH OF THE THINNER OF THE TWO ABUTTING SLABS. THE DRILL HOLES SHALL BE A DIAMETER THAT WILL PROVIDE A CLOSE FIT FOR THE DOWELS. THE DOWELS SHALL BE EPOXIED INTO THE DRILLED HOLES. THE FREE HALF OF THE DOWEL BARS SHALL BE COATED WITH ONE COAT OF LEAD OR TAR PAINT. THE COATED HALF SHALL BE GREASED BEFORE PLACEMENT OF CONCRETE.
7. WHEN A NEW LANE OF CONCRETE PAVEMENT IS BUILT ADJACENT TO AN EXISTING LANE OF CONCRETE PAVEMENT THE LONGITUDINAL JOINT SHALL BE TIED WITH GRADE 40, NO. 5, DEFORMED SIGEL BARS 30 IN. LONG, SPACED AT 30 INCHES CENTER TO CENTER. THE LONGITUDINAL FACE OF THE EXISTING PCCP SHALL BE DRILLED TO ACCEPT ONE HALF OF THE TIE BAR LENGTH. THE DRILL HOLES SHALL BE LOCATED SUCH THAT THE TIE BARS WILL BE AT MID DEPTH OF THE THINNER OF THE TWO ADJOINING SLABS. THE DRILL HOLES SHALL BE A DIAMETER THAT WILL PROVIDE A CLOSE FIT FOR THE TIE BARS. THE TIE BARS SHALL BE EPOXIED INTO THE DRILLED HOLES.
8. INITIAL SAWCUT FOR CRACK CONTROL PURPOSES SHALL BE 1/8" TO 1/4" IN WIDTH.
9. NO ADJUSTMENT OF THE JOINT LAYOUT PLAN SHALL BE DONE WITHOUT APPROVAL BY THE CENTRAL LAB.

NO.	DESCRIPTION	DATE	BY
3			
2			
1	ADDED NOTE NO. 9	11-19-82	RS

REVISIONS (OR CHANGE NOTICES)

NEW MEXICO
STATE HIGHWAY DEPARTMENT

STANDARD JOINT DETAILS

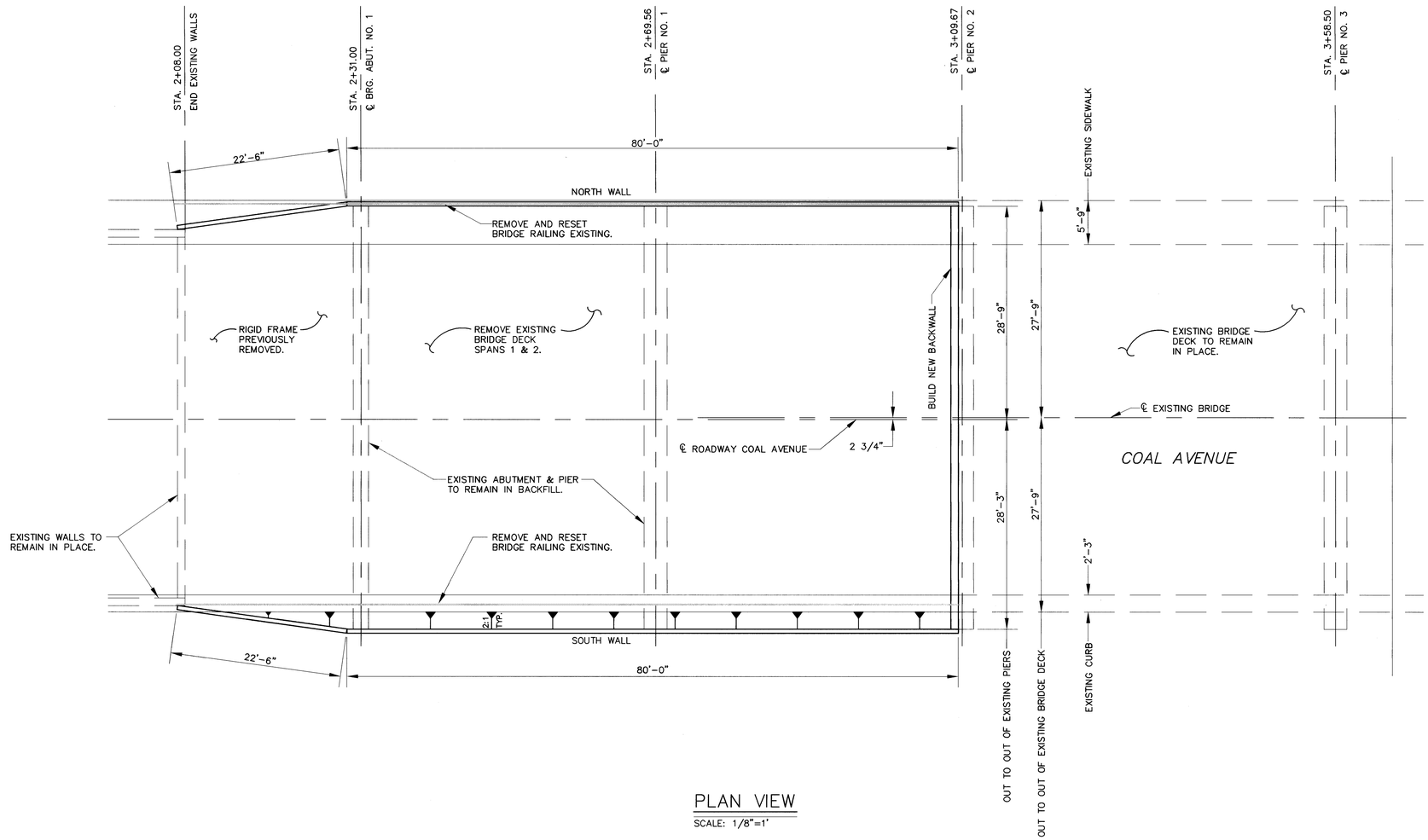
APPROVAL RECOMMENDED ENGINEER Douglas L. Hanson DATE 4/29/88

APPROVED ENGINEER OF DESIGN Lloyd L. Parker DATE 5/2/88

SERIAL NO. LJD-001-10

PROJ. № 4018.91

M1KEM/QUAN/MISC-QUAN-DET$1



PLAN VIEW

SCALE: 1/8"=1'

1ST STREET S.W.

GENERAL NOTES

1. ALL CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS CONTAINED IN THE NEW MEXICO STATE HIGHWAY AND TRANSPORTATION DEPARTMENT SPECIAL PROVISIONS FOR EARTH RETAINING STRUCTURES WITH SOIL REINFORCEMENT SECTION 768, REVISED JUNE 12, 1992, AND THE PROJECT PLANS & SPECIFICATIONS.
2. M.S.E. WALL SHALL RECEIVE AN EXPOSED AGGREGATE FINISH.
3. THE OUTSIDE FACE AND SOFFIT OF THE NEW CURB AND SIDEWALK, AND THE EXPOSED FACE OF NEW CONCRETE AT PIER NO. 2 SHALL RECEIVE A SPECIAL SURFACE FINISH AS SPECIFIED IN NOTE 5 ON SHEET 2 OF THE PLANS.

AS BUILT INFORMATION

CONTRACTOR
WORK STAKED BY DATE
INSPECTOR'S ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE

MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY

DESIGN
DESIGNED BY CGP DATE 8/94
DRAWN BY RL DATE 8/94
CHECKED BY DLW DATE 8/94

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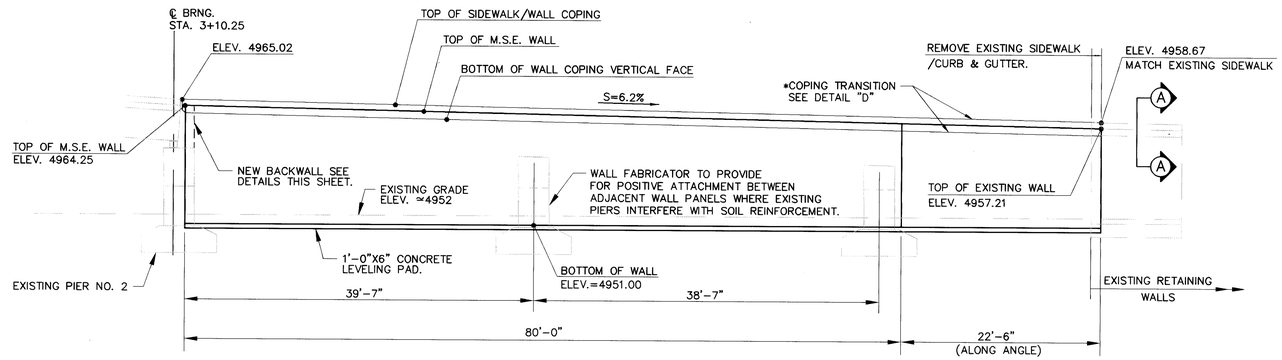
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: COAL AVENUE OVERPASS REHABILITATION
M.S.E. WALL LOCATION PLAN

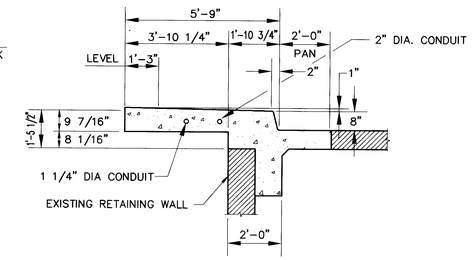
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair			Water		
Transportation			Waste Water		
Hydrology					

PROJECT NO.	4018.91	MAP NO.	K-14N	SHEET	1	OF	2

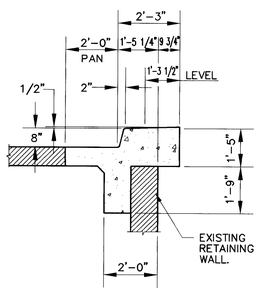


NORTH WALL ELEVATION

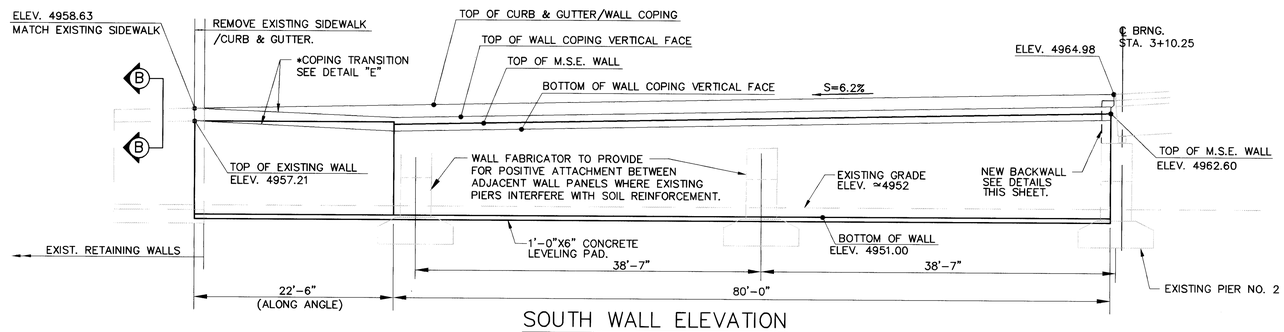
SCALE: 1/8"=1'



SECTION A–A (EXISTING)

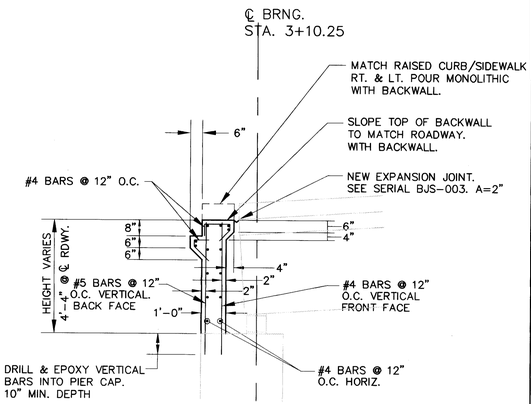


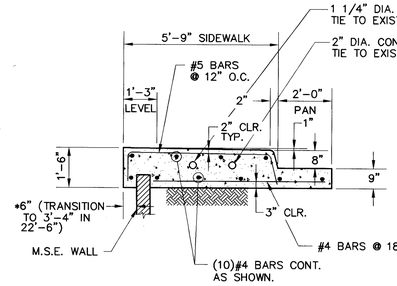
SECTION B–B (EXISTING)



SOUTH WALL ELEVATION

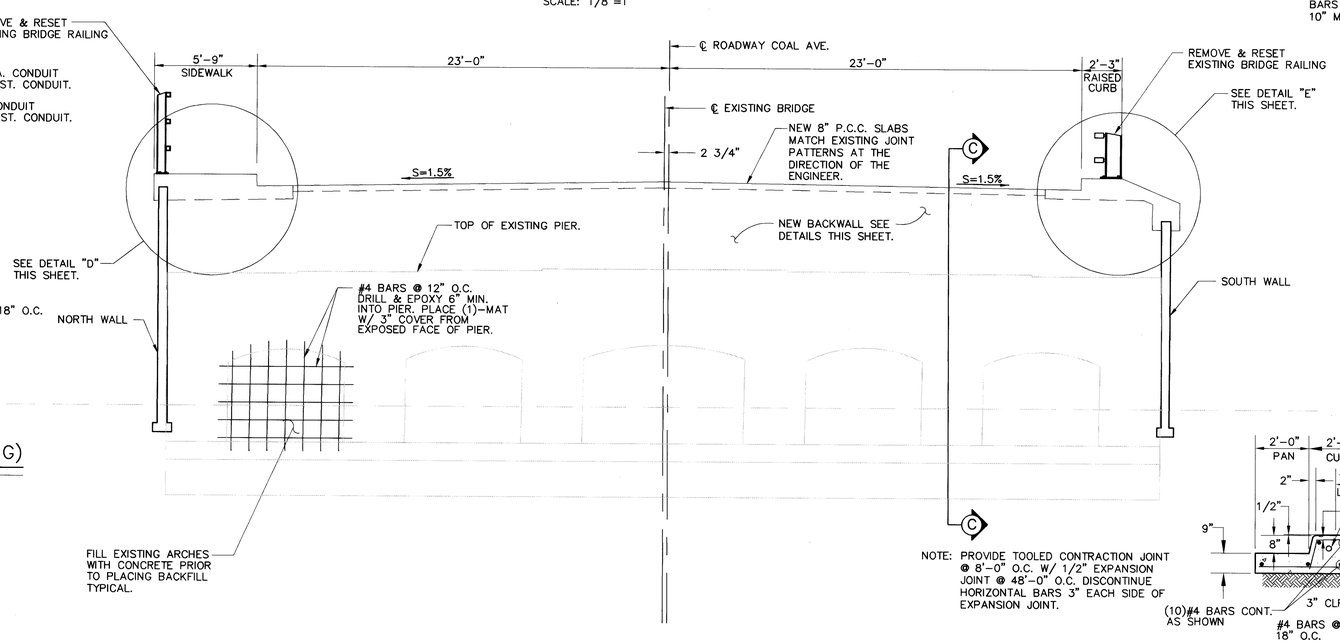
SCALE: 1/8"=1'





NOTE: PROVIDE TOOLED CONTRACTION JOINT @ 8'-0" O.C. W/ 1/2" EXPANSION JOINT @ 48'-0" O.C. DISCONTINUE HORIZONTAL BARS 3" EACH SIDE OF EXPANSION JOINT.

DETAIL "D" – (SIDEWALK/WALL COPING)



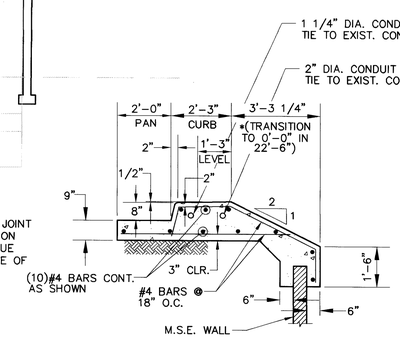
NOTE: PROVIDE TOOLED CONTRACTION JOINT @ 8'-0" O.C. W/ 1/2" EXPANSION JOINT @ 48'-0" O.C. DISCONTINUE HORIZONTAL BARS 3" EACH SIDE OF EXPANSION JOINT.

TYPICAL SECTION AT PIER NO. 2

SCALE: 1/4"=1' (LOOKING UPSTATION)

SECTION C–C (AT PIER NO. 2)

SCALE: 3/8"=1'



DETAIL "E" – (CURB & GUTTER/WALL COPING)

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M.S.E. WALL ELEVATIONS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair			Water		
Transportation			Waste Water		
Hydrology					

PROJECT NO.	4018.91	MAP NO.	K-14N	SHEET	2	OF	2

AS BUILT INFORMATION
CONTRACTOR / WORK STAKED BY / INSPECTOR'S ACCEPTANCE BY / FIELD VERIFICATION BY / DRAWINGS CORRECTED BY — DATE
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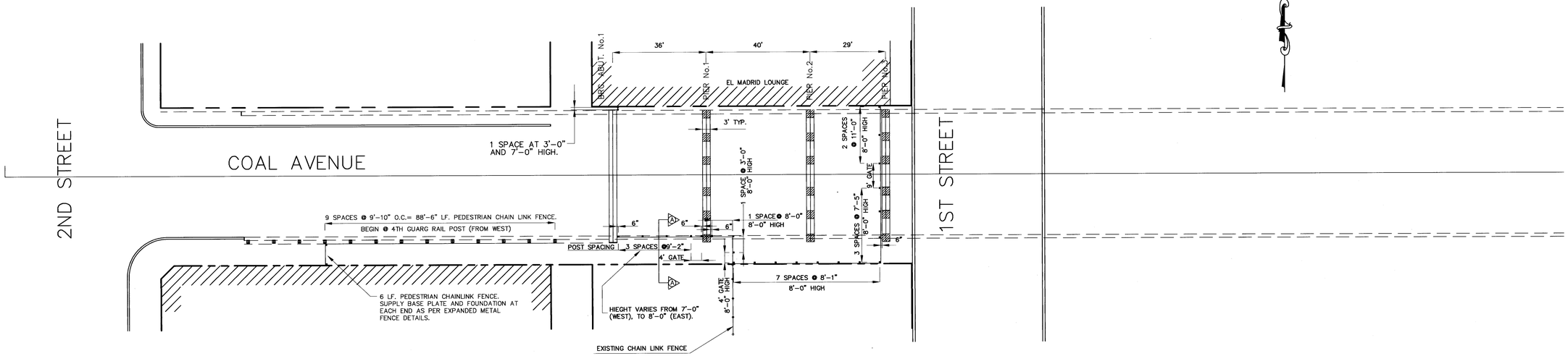
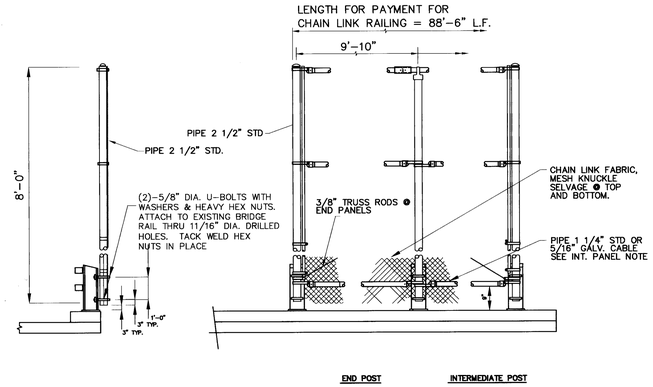


FENCE LAYOUT PLAN

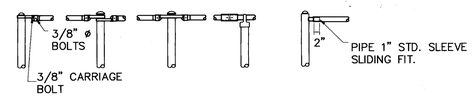
NO SCALE

NOTES: 1) CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO BEGINNING FABRICATION. ANY DISCREPANCIES FOUND SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND REFLECTED IN THE SHOP DRAWINGS.

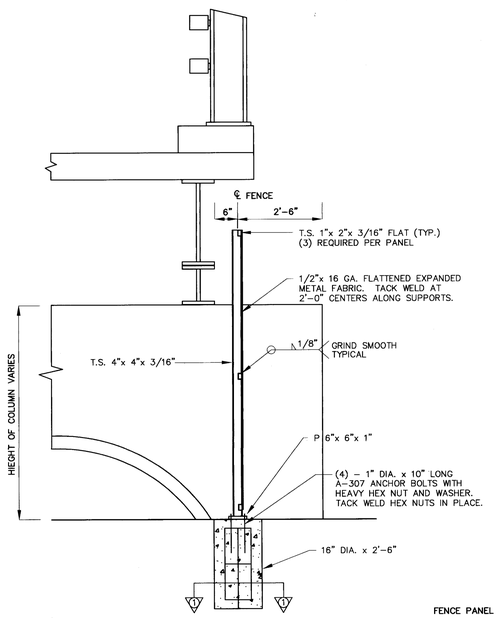
2) PAINT EXPANDED METAL FENCE IN ACCORDANCE WITH CONTRACT SUPPLEMENTAL TECHNICAL SPECIFICATIONS FOR PROTECTIVE COATING OF NEW STEEL BRIDGE RAILING AND MISCELLANEOUS STRUCTURAL STEEL TYPE 2.COLOR SHALL BE BLACK.



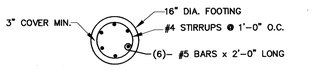
TYPICAL POST & ANCHORAGE DETAILS



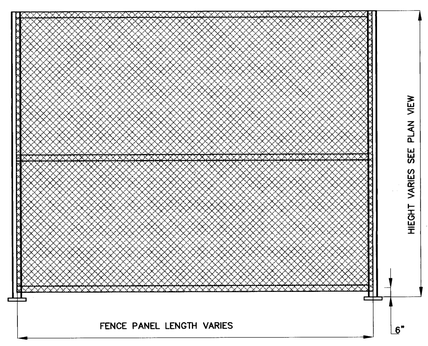
TYPICAL DETAILS

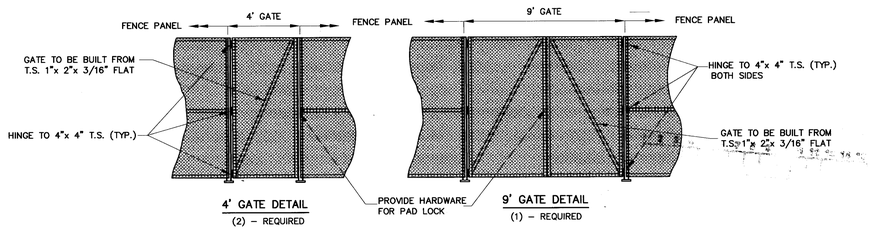


SECTION A–A



SECTION 1–1





4' GATE DETAIL
(2) – REQUIRED

9' GATE DETAIL
(1) – REQUIRED

EXPANDED METAL FENCE DETAILS

MATERIAL	ASTM DESIGNATION
TUBULAR STEEL RAILS, AND TUBULAR HAND RAILING	A500, GRADE B
STEEL POSTS, ROLLED BARS AND PLATE WASHERS	A36
STEEL SLEEVES FOR TUBULAR RAILS	A36
HIGH STRENGTH BOLTS	A325 OR A449
HIGH STRENGTH THREADED RODS	A449
NUTS & WASHERS FOR H.S. BOLTS AND RODS	A325

PEDESTRIAN CHAIN LINK FENCE DETAILS

NOTES: 1) VINYL COATING SHALL BE BROWN.
2) VINYL COATING SHALL BE APPLIED BY THE EXTRUDED BONDING PROCESS.
3) RAILING ASSEMBLY, EXCEPT CHAIN LINK FABRIC, TO BE GALVANIZED AFTER FABRICATION.

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DRAWING NO.	MAP NO.	SHEET 1 OF 1

PLAN.DWG