

ROCK ROAD PAVEMENT WIDENING TO SERVE LOTS 1, 2, 3, 4 AND 5 BLOCK 1

COMOTARA POWER CENTER

ROCK ROAD
INDEX NO. 607879
USER CODE 072 PPP
CITY OF WICHITA, KANSAS
MICHAEL E. LINDEBAK, CITY ENGINEER

GENERAL NOTES

UNDERGROUND UTILITY SERVICE LINES AND OVERHEAD UTILITY POLE LINES ARE TO BE ADJUSTED AS NECESSARY BY OTHERS PRIOR TO CONSTRUCTION UNLESS THE PLANS SPECIFICALLY CALL FOR THEIR ADJUSTMENT BY THE CONTRACTOR. EXISTING UTILITIES AND THEIR LOCATION, AS SHOWN ON THE PLANS, REPRESENT THE BEST INFORMATION OBTAINABLE FOR DESIGN. LOCATION INFORMATION HAS BEEN OBTAINED FROM THE VARIOUS UTILITY COMPANIES AND IS EITHER FROM COMPANY RECORDS, DRAWINGS OR COMPANY PROVIDED FIELD LOCATIONS. THE CONTRACTOR WILL BE REQUIRED TO WORK AROUND EXISTING UTILITIES WITHIN THE RIGHT-OF-WAY WHICH DO NOT CONFLICT WITH PROPOSED CONSTRUCTION.

RUBBLE FROM THE REMOVAL OF MISCELLANEOUS STRUCTURES AND EXCESS EXCAVATION WHICH IS TO BE WASTED SHALL BE DISPOSED OF ON SITES TO BE PROVIDED BY THE CONTRACTOR AND APPROVED AS NOTED BELOW.

ALL DISPOSAL SITES MUST BE APPROVED BY THE KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT. MATERIAL EITHER STOCKPILED OR DISPOSED OF IN A FLOOD PLAIN WOULD REQUIRE A KANSAS STATE BOARD OF AGRICULTURE PERMIT. ANY MATERIAL DUMPED IN WATERS OF THE UNITED STATES OR WETLANDS IS SUBJECT TO U.S. CORPS OF ENGINEERS PERMITTING REGULATIONS. ANY MATERIAL BURIED OR STOCKPILED BEYOND APPROVED CONSTRUCTION LIMITS WOULD REQUIRE ADDITIONAL ARCHEOLOGICAL INVESTIGATIONS UNLESS BURIED IN A PREVIOUSLY APPROVED BORROW LOCATION.

CONTRACTOR SHALL SATISFY HIMSELF OF SUBSURFACE CONDITIONS PRIOR TO CONSTRUCTION.

CONTRACTOR SHALL PROVIDE A MINIMUM FORTY-EIGHT (48) HOUR ADVANCE NOTICE (EXCLUDING WEEKENDS AND HOLIDAYS) PRIOR TO BEGINNING ANY EXCAVATION, TO KANSAS ONE-CALL SYSTEM, A UTILITY LOCATION SERVICE, AT (316) 687-2470 TO REQUEST THE FOLLOWING UTILITY COMPANIES TO LOCATE ALL EXISTING LINES WITHIN THE PROJECT AREA: KPL/GAS SERVICE, K.G.S.E., SOUTHWESTERN BELL TELEPHONE, MULTIMEDIA CABLEVISION, CITY OF WICHITA SEWER MAINTENANCE AND CITY OF WICHITA WATER DEPARTMENT.

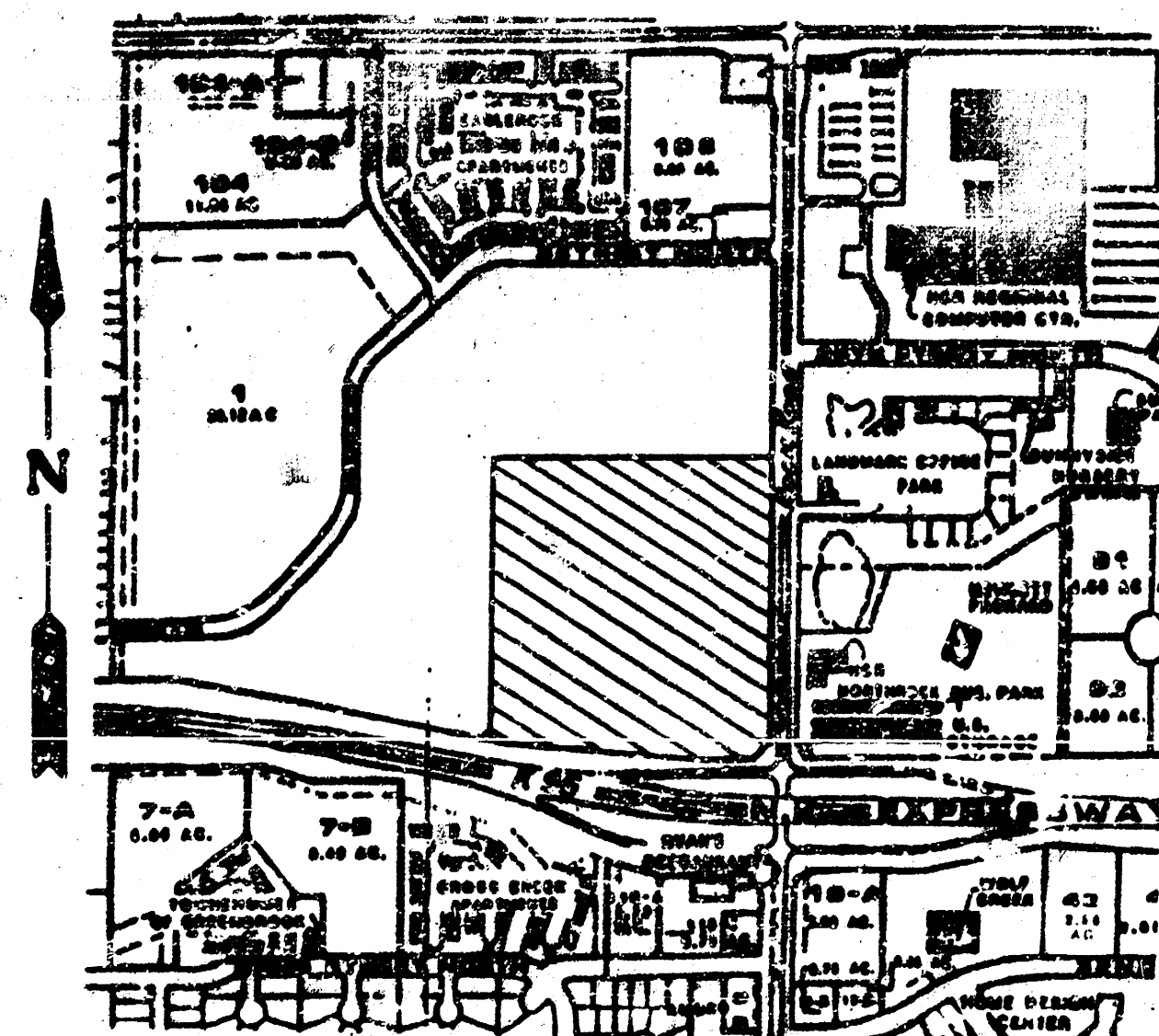
THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY IRONS. THE CONTRACTOR WILL BE REQUIRED TO RE-ESTABLISH ANY PROPERTY IRONS WHICH ARE DAMAGED OR DESTROYED BY HIS CONSTRUCTION OPERATIONS. SUCH IRONS SHALL BE RE-ESTABLISHED BY A LICENSED LAND SURVEYOR IN ACCORDANCE WITH STATE LAWS.

THE WATER DEPARTMENT SHALL FIELD LOCATE WATER VALVES ONE TIME DURING CONSTRUCTION WHEN REQUESTED BY THE CONTRACTOR. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PRESERVE SUCH FIELD LOCATIONS DURING THE CONSTRUCTION PROCESS. WATER VALVES, WATER VALVE BOXES OR FIRE HYDRANTS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR AT HIS OWN EXPENSE.

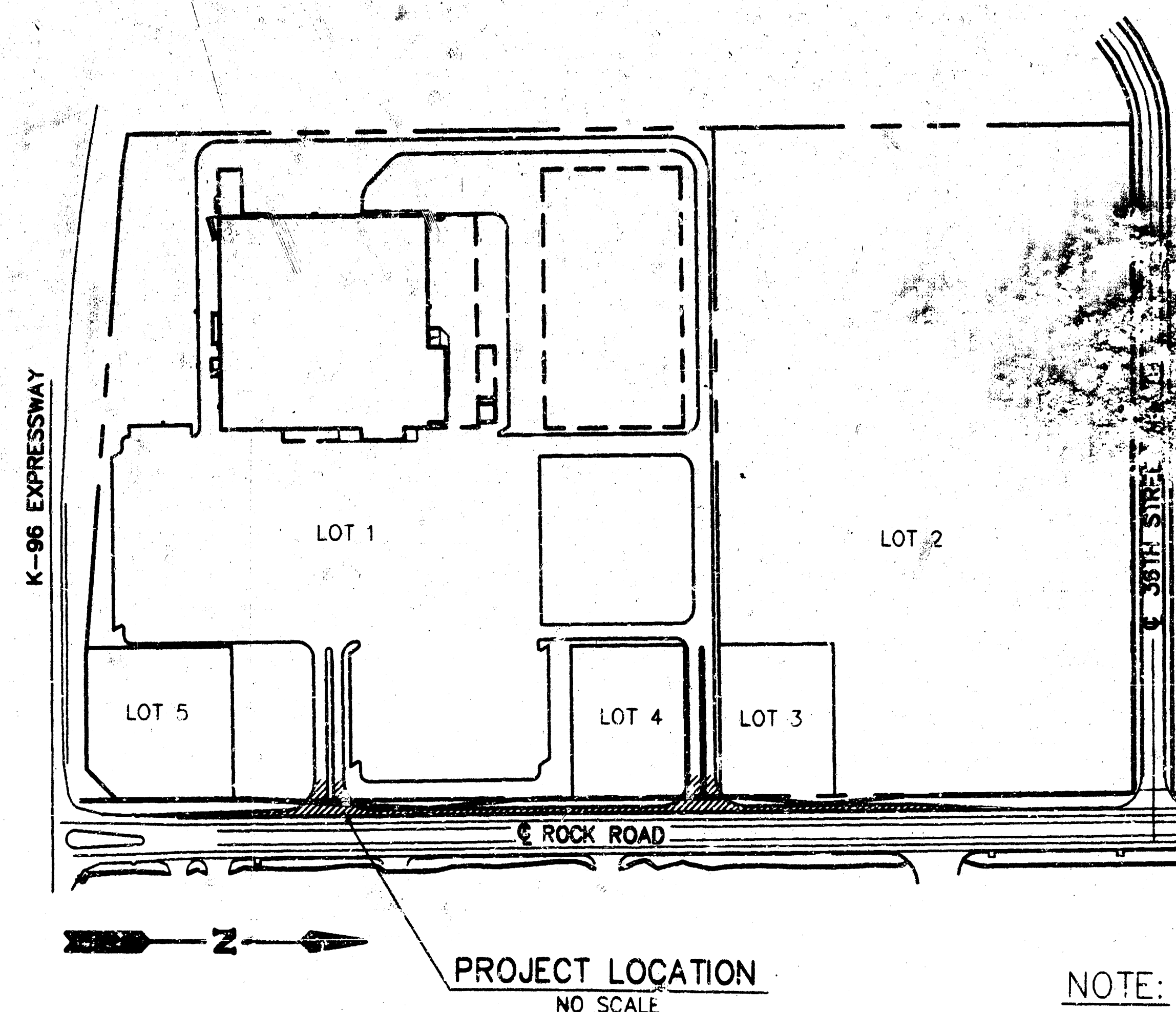
THIS PROJECT DOES NOT INCLUDE ANY PROVISIONS FOR CONSTRUCTION OF DRIVEWAYS.

LANDSCAPING AND UNDERGROUND SPRINKLER SYSTEMS ARE PRESENT WITHIN THE PROJECT LIMITS. THE CONTRACTOR SHALL REMOVE THESE ITEMS AS NECESSARY FOR CONSTRUCTION, THEN RESTORE THEM TO PRE-CONSTRUCTION CONDITION AS APPROVED BY THE ENGINEER AND THE OWNER AND/OR THEIR AGENT. OTHER DISTURBED AREAS WITHIN THE PROJECT LIMITS SHALL BE SEEDED, FERTILIZED, AND MULCHED IN ACCORDANCE WITH CITY OF WICHITA STANDARD SPECIFICATIONS. ALL COSTS ASSOCIATED WITH REMOVAL AND REPLACEMENT OF LANDSCAPING AND SPRINKLERS; AND SEEDING, FERTILIZING AND MULCHING SHALL BE INCLUDED IN THE BASE BID.

TRAFFIC IS TO BE MAINTAINED THROUGH CONSTRUCTION OF THIS PROJECT. TRAFFIC CONTROL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ALL BARRICADES, SIGNS, LIGHTS, AND OTHER PROTECTIVE DEVICES SHALL BE INSTALLED AND MAINTAINED IN CONFORMITY WITH THE LATEST EDITION OF THE CITY OF WICHITA BARRICADE MANUAL. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.



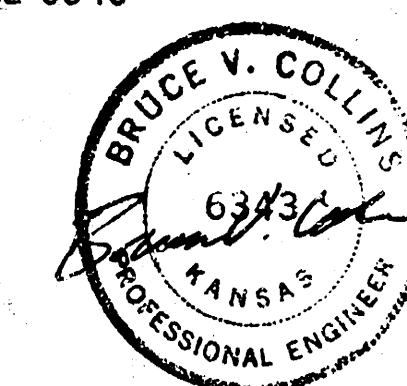
VICINITY MAP
NO SCALE



NOTE:

CONTACT PERSONS

BRUCE V. COLLINS, PE., KAW VALLEY ENGINEERING, INC. 913-762-5040
LAURA BEVILACQUA, CONST. MANAGER 501-273-4287
WAL-MART STORES, INC.



APPROVED AS NOTED
BY CITY ENGINEER OF WICHITA

SANITARY SEWERS _____
STORM SEWERS _____
WATER MAINS _____
PAVING VRH 9/8/92

NOTE TO CONTRACTOR

INSPECTION AND TESTING FOR THIS PROJECT IS TO BE PROVIDED BY A LICENSED CONSULTING ENGINEERING FIRM UNDER CONTRACT WITH THE OWNER/DEVELOPER. SAID INSPECTION TO BE IN ACCORDANCE WITH THE CITY OF WICHITA STANDARD CONSTRUCTION ENGINEERING PRACTICES AND CERTIFIED BY A LICENSED PROFESSIONAL ENGINEER. NO WORK SHALL BE PERFORMED IN DEDICATED EASEMENTS OR THE PUBLIC RIGHT-OF-WAY BY THE CONTRACTOR WITHOUT SUCH INSPECTION NOR SHALL ANY WORK BE COMMENCED IN DEDICATED EASEMENTS OR PUBLIC RIGHT-OF-WAY WITHOUT WRITTEN AUTHORIZATION BY THE CITY ENGINEER.

INDEX TO SHEETS:

1. TITLE SHEET
2. PAVEMENT WIDENING DETAILS AND PROFILE
3. PAVEMENT WIDENING DETAILS AND PROFILE
4. PAVEMENT WIDENING DETAILS AND PROFILE
5. CITY OF WICHITA STANDARD DETAILS
6. PAVEMENT DETAILS

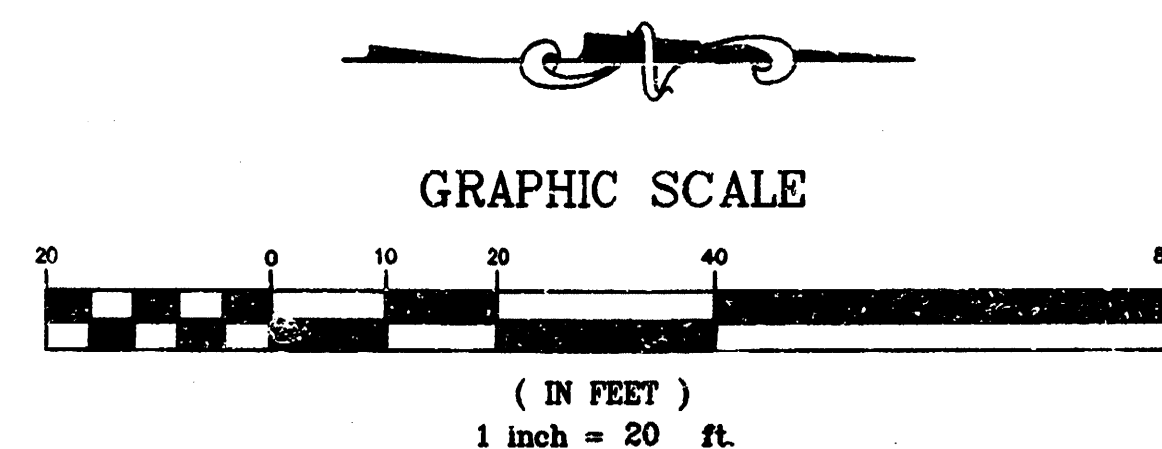
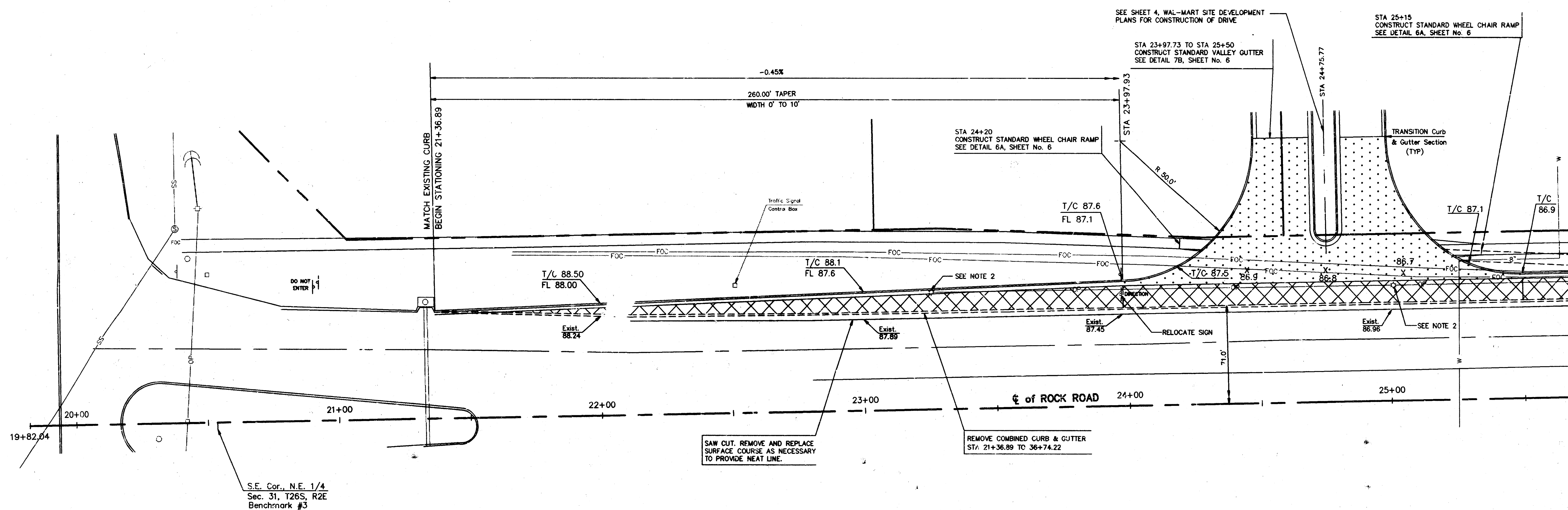
BENCHMARKS:

BENCHMARK #1: Brass disc City of Wichita #1. City Elevation = 198.30
Rock Rd Sta 33+46.18, 58.84 Rt. Elevation = 1385.70, MSL
BENCHMARK #2: Brass disc City of Wichita #2. City Elevation = 200.18
Rock Rd Sta 26+35.82, 47.91 Lt. Elevation = 1387.58, MSL
BENCHMARK #3: Railroad spike in 5th power pole East of Rock Road along Interstate 96, 1/2 mile North of 29th Street. Benchmark #35 per Kansas Highway Plans 96. Elevation = 1401.37, MSL

LEGEND:

- Sanitary Manhole
- Light Pole
- Sign
- Water Line
- Gas Lines
- Fiber Optic Cable
- Sanitary Sewer Line
- Overhead Power Lines
- Buried Electric Cable
- Heavy Duty Concrete Paving
- Alt. F 6" Asphalt Concrete Pavement on
- 6" Reinforced Crushed Rock Base
- Alt. II 6" Asphalt Concrete Pavement on 6" Treated Subgrade
- Existing Curb & Gutter

2	9/4/92	REVISED PER CITY REQUEST	06A
1	8/28/92	REVISED PER CITY REQUEST	05
NO.	DATE	REVISION	BY
TITLE SHEET			
P.O. BOX 1304 2319 NORTH JACKSON JUNCTION CITY, KANSAS (913)762-5040 FAX 913-762-7744		122 N.W. PARKWAY RIVERSIDE, MISSOURI 64150 (816)587-5033 FAX 816-587-0129 CEN 1399TLP	
KAW VALLEY ENGINEERING		PROJ. NO. 92-1399 DATE AUG 17, 1992 DESIGNER BVC DRAWN BY BH CHECKED BY LJO SHEET 1 OF 8	



- LEGEND
- HEAVY DUTY CONCRETE PAVING
 - ALT I: 6" ASPHALTIC CONCRETE PAVEMENT ON 8" REINFORCED CRUSHED ROCK BASE
ALT II: 10" ASPHALTIC CONCRETE PAVEMENT ON 6" TREATED SUBGRADE
 - EXISTING CURB & GUTTER

- NOTES:
- WIDEN EXISTING STREET 10'-0" LEFT WITH HEAVY DUTY ASPHALT. SEE SHEET 6 FOR HEAVY DUTY ASPHALT DETAIL. CONSTRUCT CONCRETE CURB AND GUTTER AS SHOWN.
 - CONTRACTOR SHALL CONTACT APPROPRIATE UTILITY COMPANY FOR RELOCATION OF POWER POLES AND LIGHT POLES ALONG ROCK ROAD.
 - ALL CONSTRUCTION WORK ON CITY STREET RIGHT-OF-WAY SHALL BE IN CONFORMANCE WITH CITY OF WICHITA STANDARD DETAILS AND SPECIFICATIONS. SEE SHEETS 5 AND 6 FOR DETAILS.

BENCHMARK #1: Brass disc City of Wichita #1. City Elevation = 198.30
 @ Rock Road Sta 33+46.18, 58.85' Rt Elevation = 1385.70

BENCHMARK #2: Brass disc City of Wichita #2. City Elevation = 200.18
 @ Rock Road Sta 26+35.82, 47.91' Lt Elevation = 1387.58

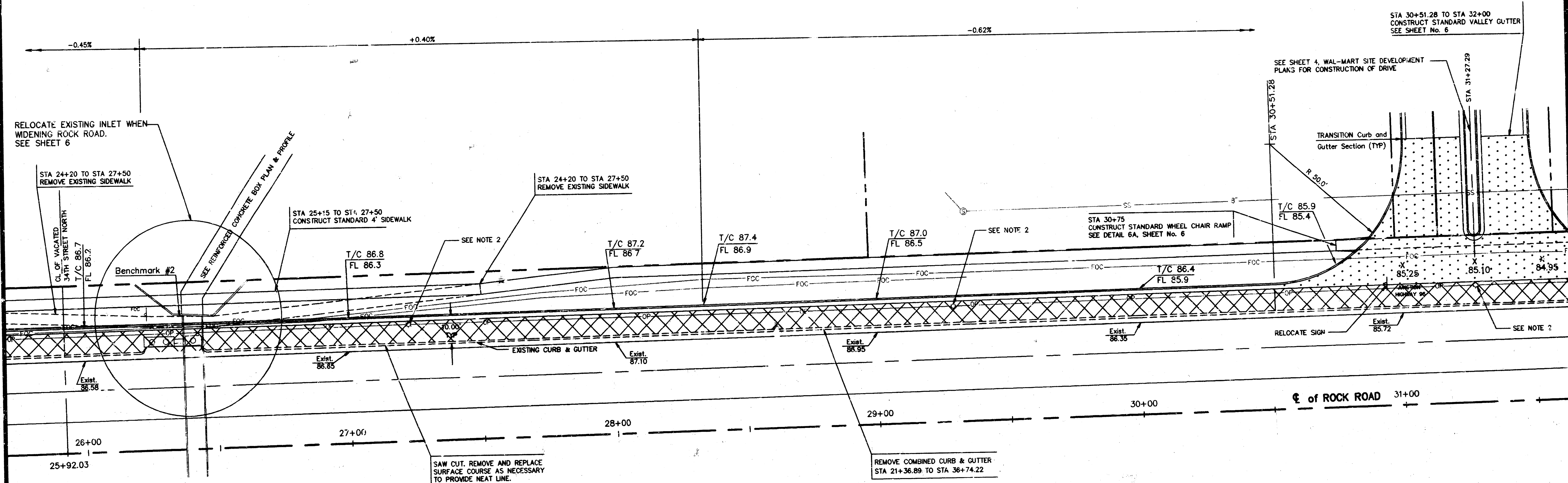
BENCHMARK #3: Railroad spike in 5th power pole East of Rock Road along Interstate 96, 1/2 mile North of 29th Street. Benchmark #65 per Kansas Highway Plans 96. Elevation = 1401.37

PRIVATE PROJECT No. 072PPP(607879)

2	9/8/92	REVISED PER CITY REQUEST	DBA
1	8/28/92	REVISED PER CITY REQUEST	JO
NO.	DATE	REVISION	BY
PAVEMENT WIDENING DETAILS - WICHITA, KS #91055			
PROJ. NO. 92-1398			
P.O. BOX 1304 2319 NORTH JACKSON JUNCTION CITY, KANSAS 66441 (913)762-5040 FAX 913-762-7744	KAW VALLEY ENGINEERING		122 N.W. PARKWAY RIVERDALE, MISSOURI 64150 DESIGNED BY: BVC DRAWN BY: BHI CHECKED BY: CPN ROADWAY SHEET 2 OF 6

MATCH LINE SHEET 2

MATCH LINE SHEET 4



LEGEND

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- ALT I: 6" ASPHALTIC CONCRETE PAVEMENT ON 8" REINFORCED CRUSHED ROCK BASE
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- NOTES:
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BENCHMARK #1: Brass disc City of Wichita #1. City Elevation = 1385.30
 @ Rock Road Sta 33+46.18, 38.85' RI Elevation = 1385.70

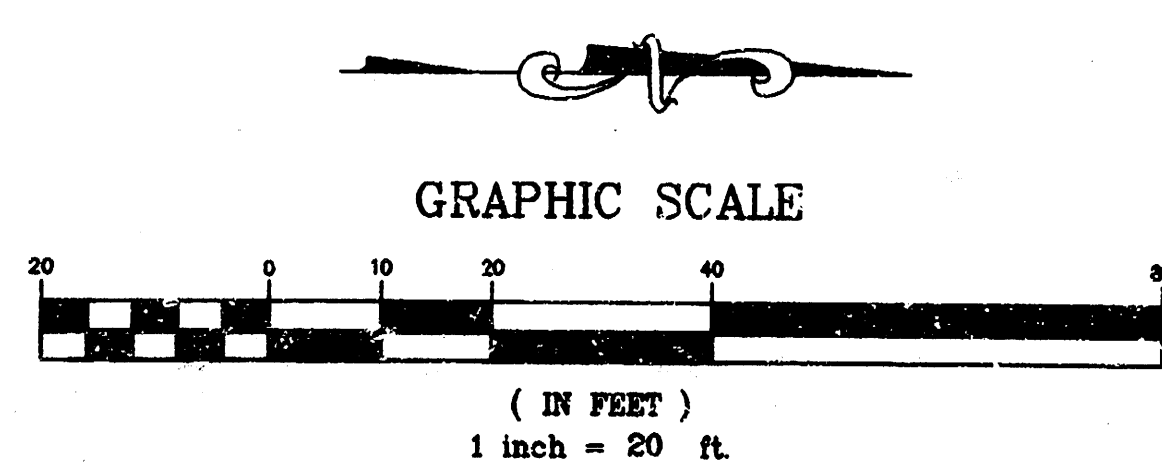
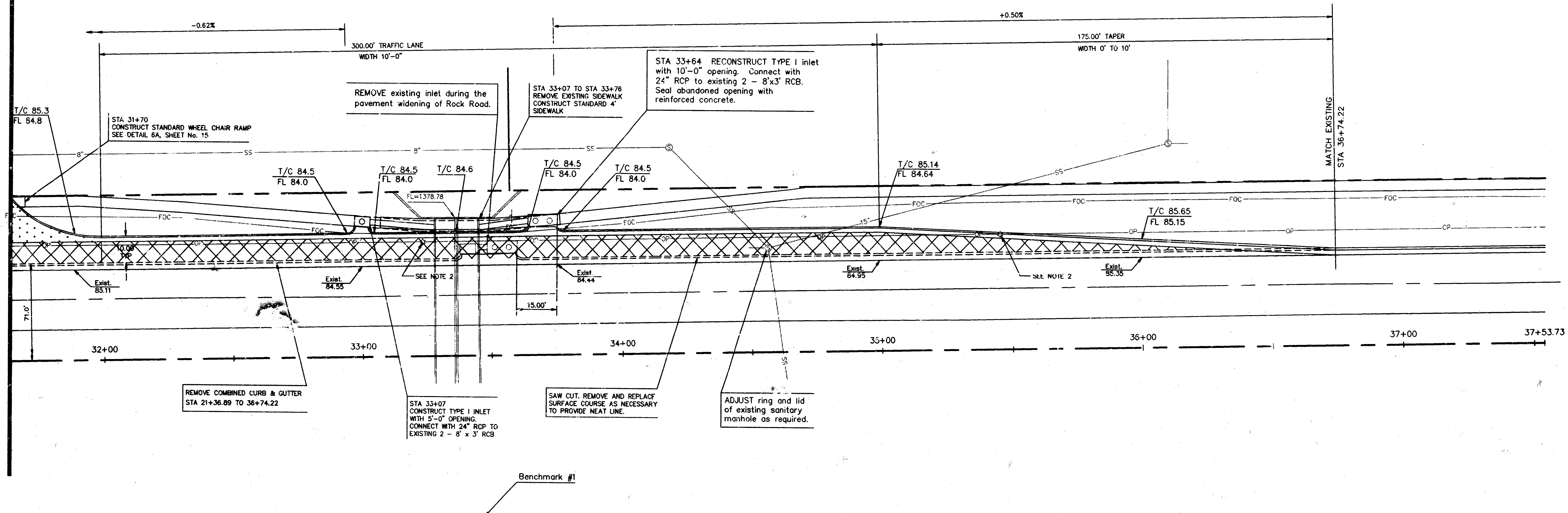
BENCHMARK #2: Brass disc City of Wichita #2. City Elevation = 200.18
 @ Rock Road Sta 26+35.82, 47.91' LI Elevation = 1387.58

BENCHMARK #3: Railroad spike in 5th power pole East of Rock Road along Interstate 96, 1/2 mile North of 29th Street. Benchmark #65 per Kansas Highway Plans 96. Elevation = 1401.37

PRIVATE PROJECT No. 072PPP(607879)

2	9/8/92	REVISED PER CITY REQUEST	DBA
1	8/28/92	REVISED PER CITY REQUEST	JO
NO.	DATE	REVISION	BY
PAVEMENT WIDENING DETAILS - WICHITA, KS #91055			
P.O. BOX 1304 2318 NORTH JACKSON JUNCTION CITY, KANSAS 66441 (913) 762-5040 FAX 913-762-7744		KAW VALLEY ENGINEERING 122 N.W. PARKWAY RIVERDALE, MISSOURI 64150 (816) 587-5033 FAX 816-587-0129	
PROJ. NO. 92-1393		DATE: AUG 17, 1992	
DESIGNER: BVS		DRAWN BY: BVS	
CHECKED BY: CFN		ROADWAY	
SHEET 3 OF 6			

MATCH LINE SHEET 3



- LEGEND
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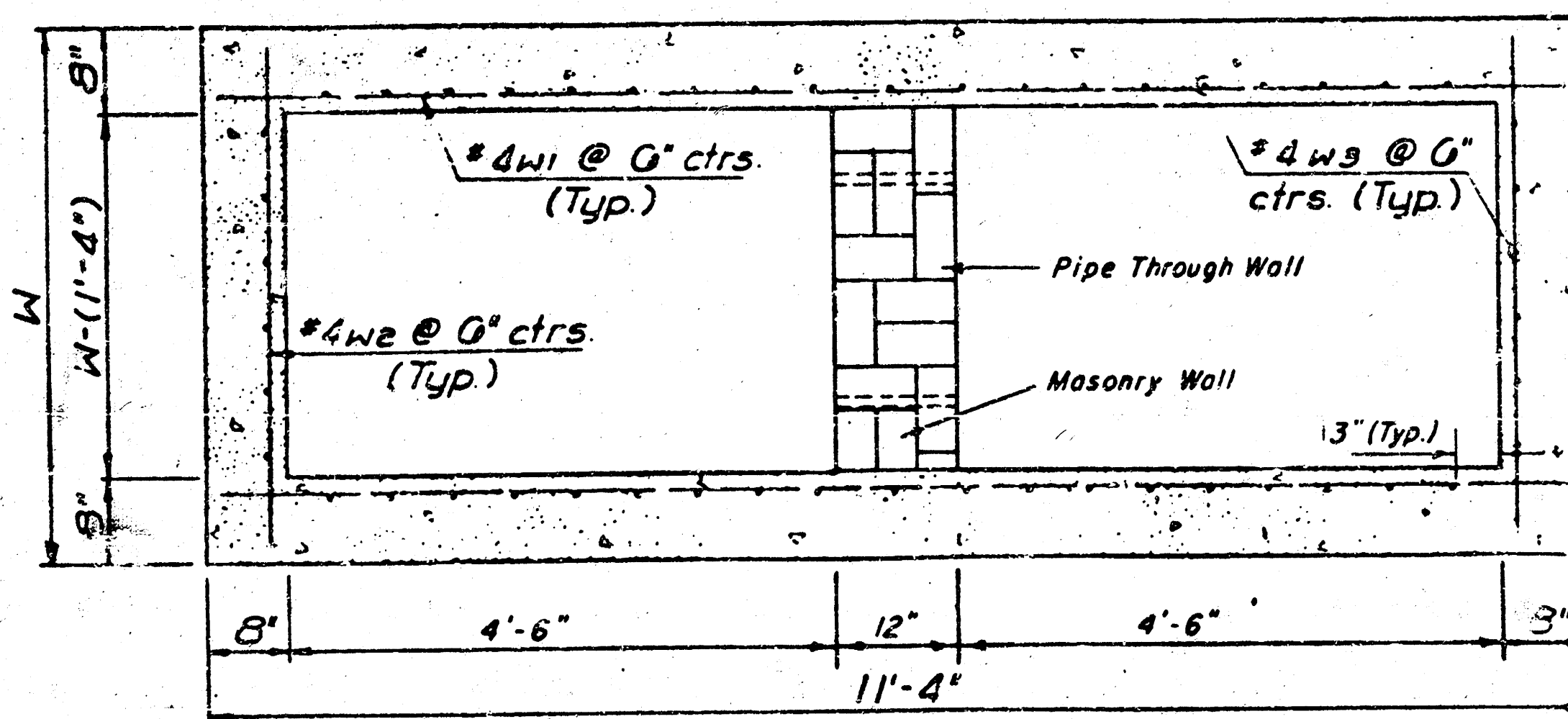
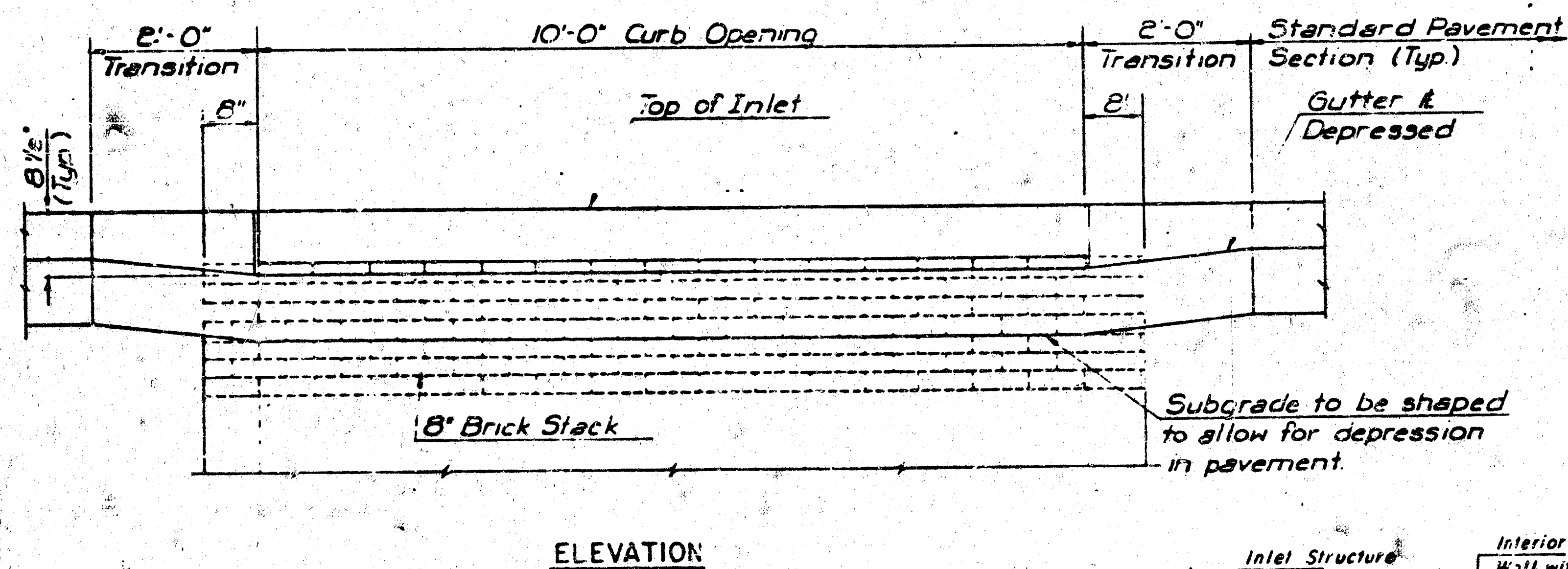
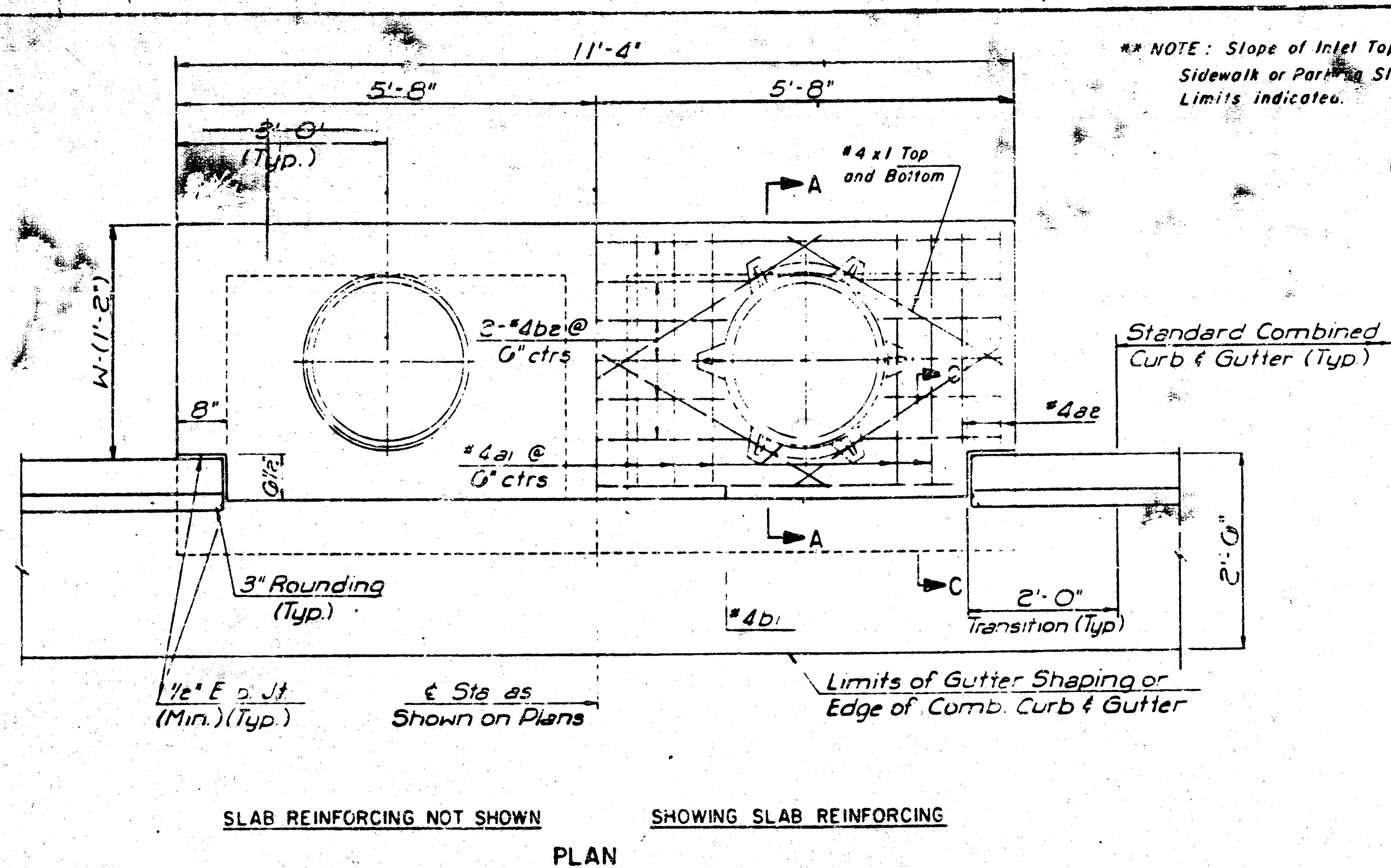
PRIVATE PROJECT No. 072PPP(607879)

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1	8/28/92	REVISED PER CITY REQUEST	JO
NO.	DATE	REVISION	BY
PAVEMENT WIDENING DETAILS - WICHITA, KS #91055			
PROJ. NO. 92-1399			
DATE: AUG 17, 1992			
DESIGNER: BVC			
DRAWN BY: BH			
CHECKED BY: CFN			
SHEET 4 OF 6			

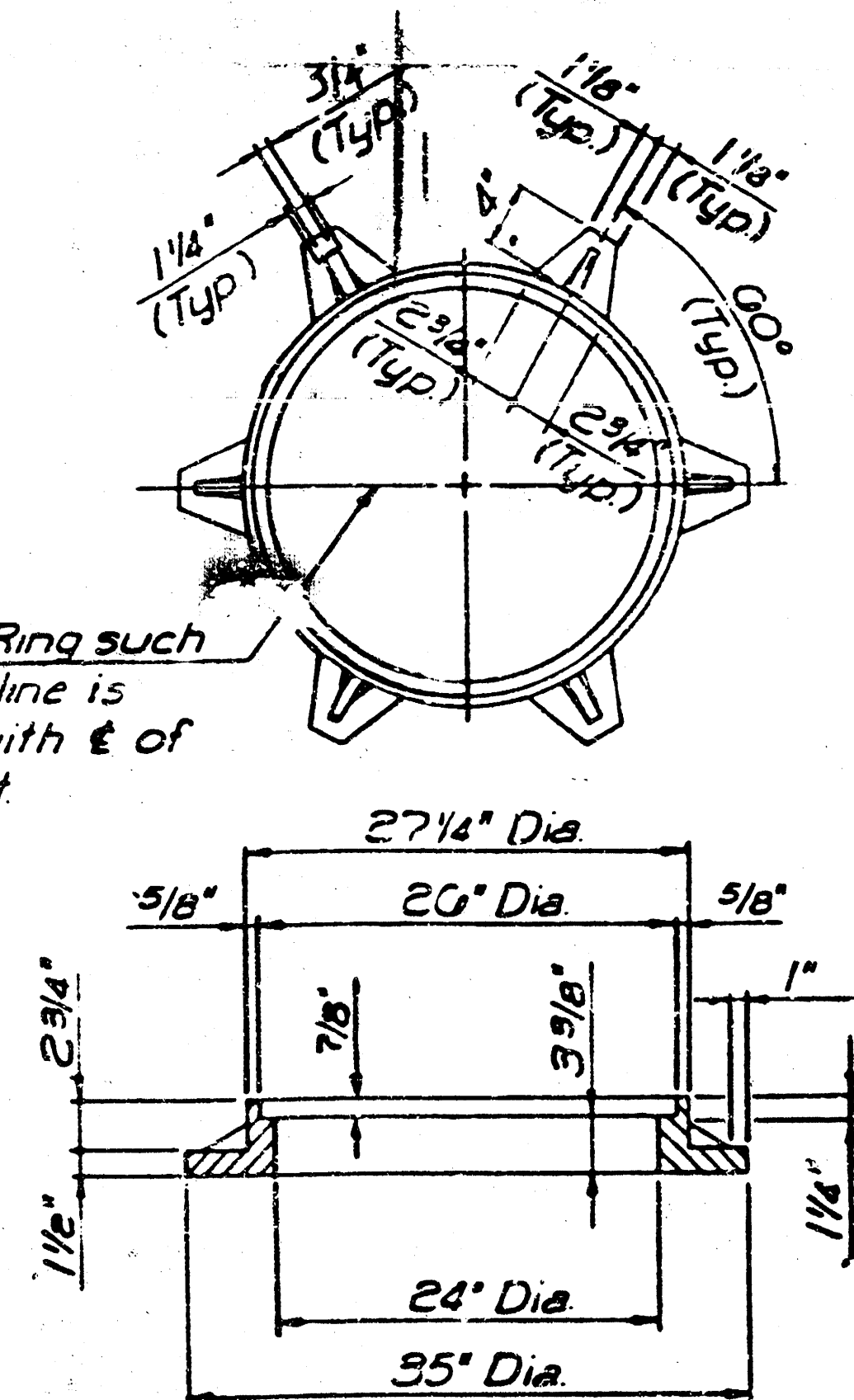
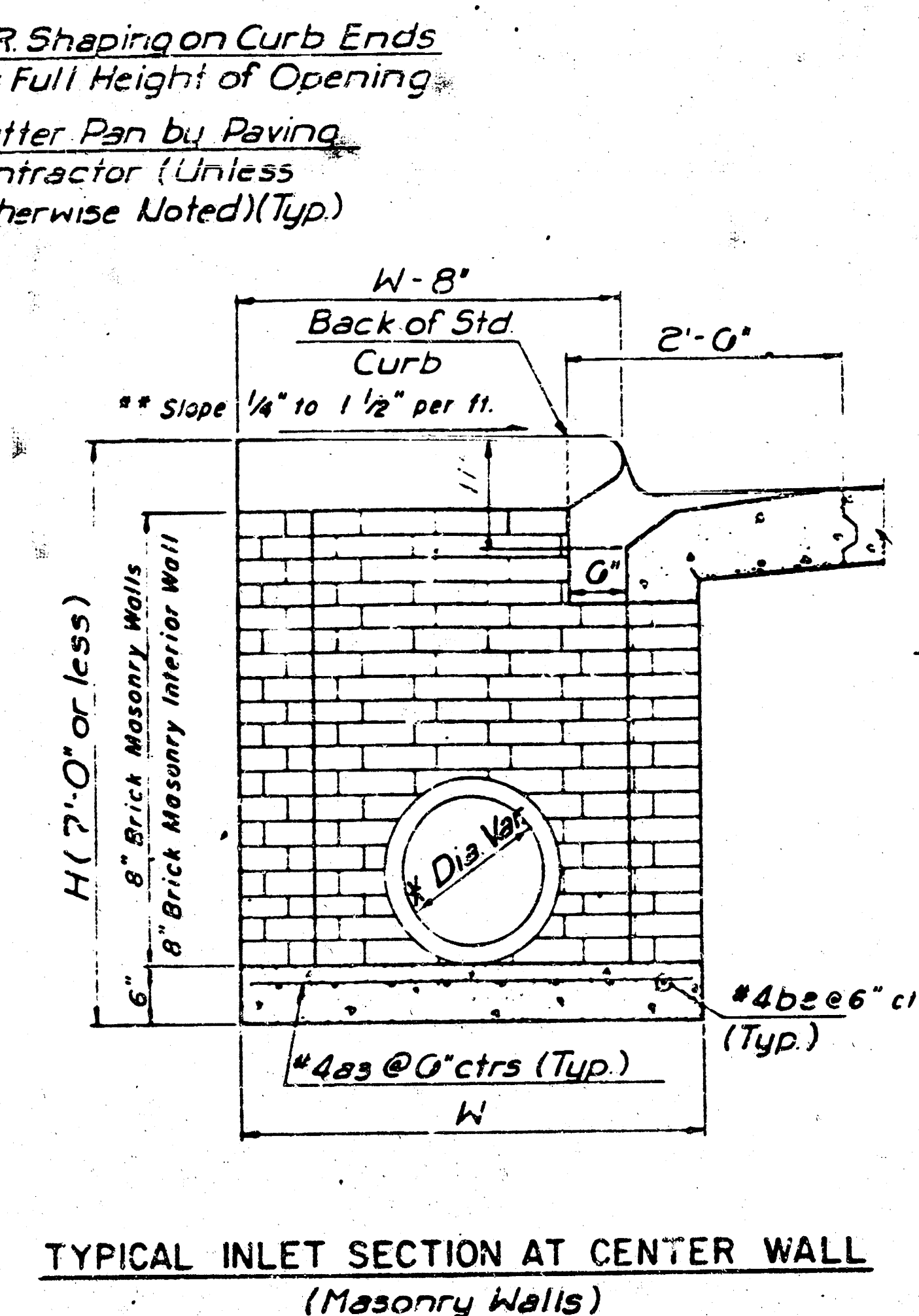
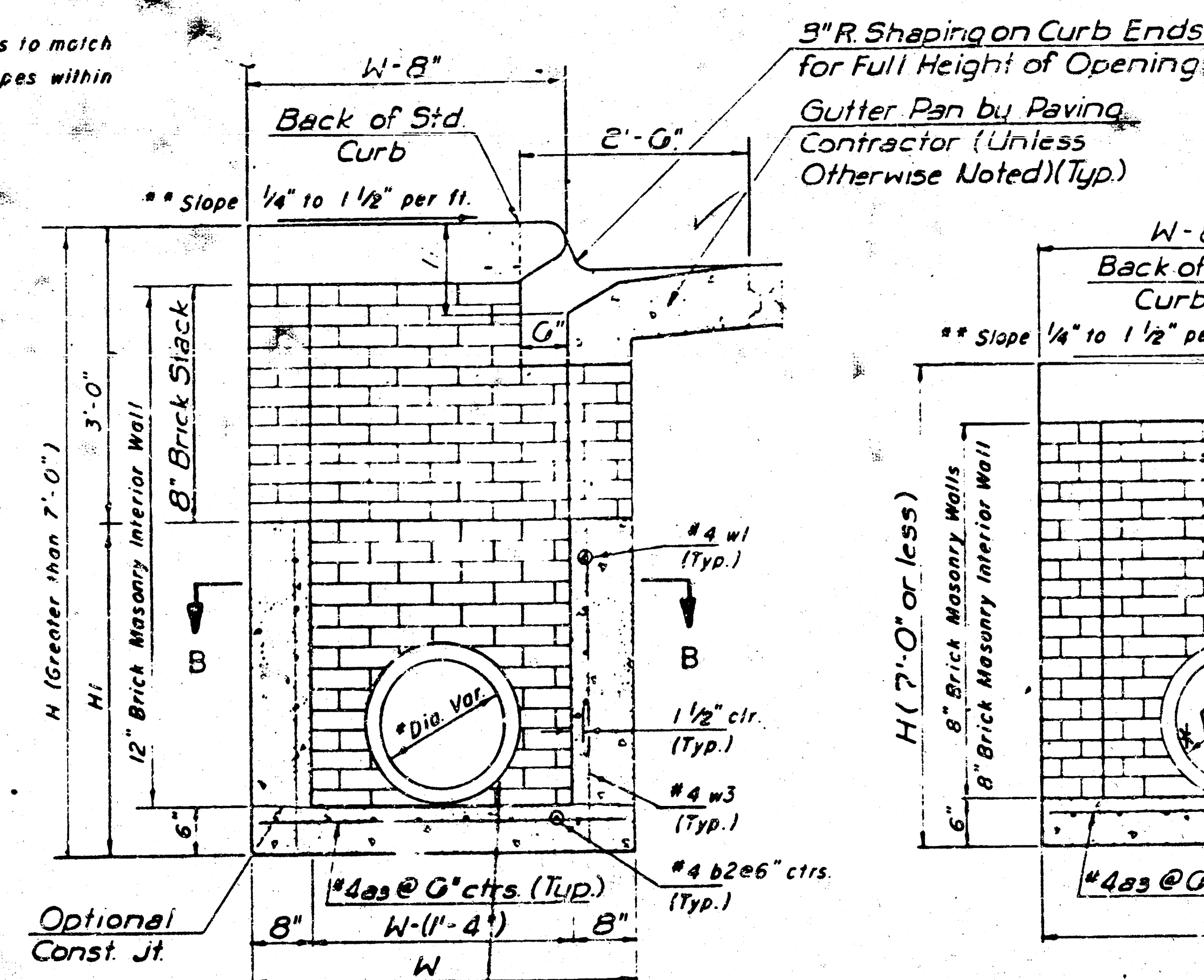
P.O. BOX 1304
 2319 NORTH JACKSON
 JUNCTION CITY, KANSAS
 (913)762-5040
 FAX 913-762-7744

KAW VALLEY
ENGINEERING

122 N.W. PARKWAY
 OVERSEAS, MISSOURI
 64150
 (816)587-5033
 FAX 816-587-0128



NOTE: Slope of Inlet Tops to match Sidewalk or Parking Slopes within Limits Indicated.

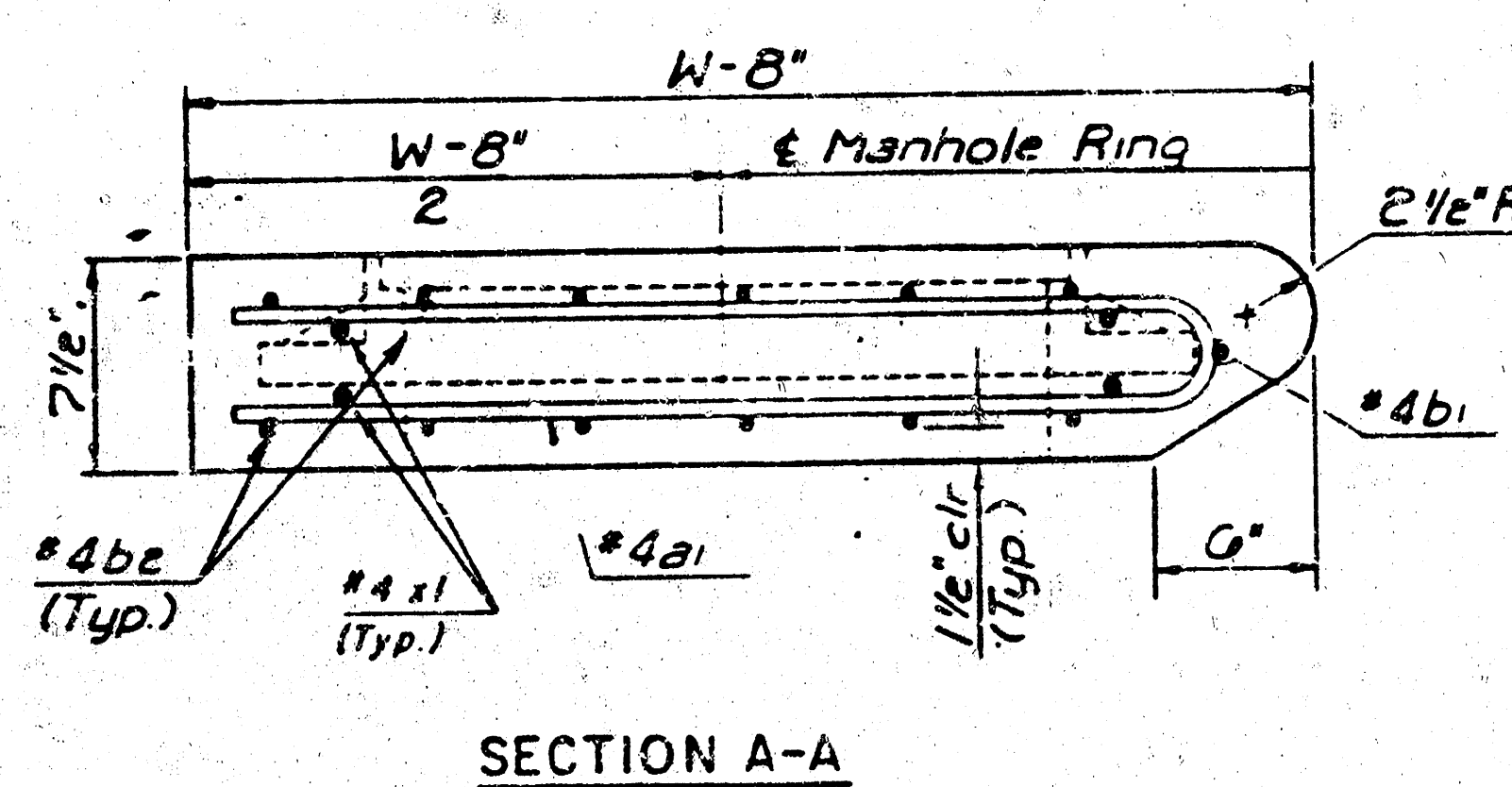


SEE CITY OF WICHITA STANDARD MANHOLE FRAME AND COVER DETAIL SHEET FOR COVER DETAILS TO BE USED WITH INLET FRAME.

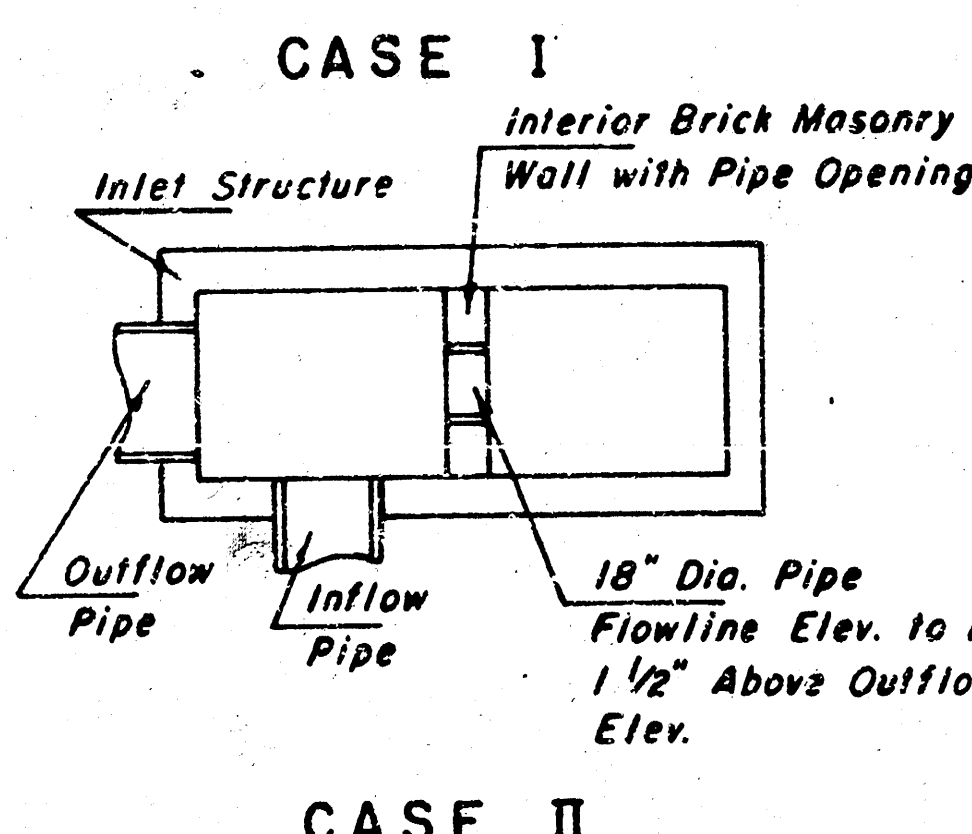
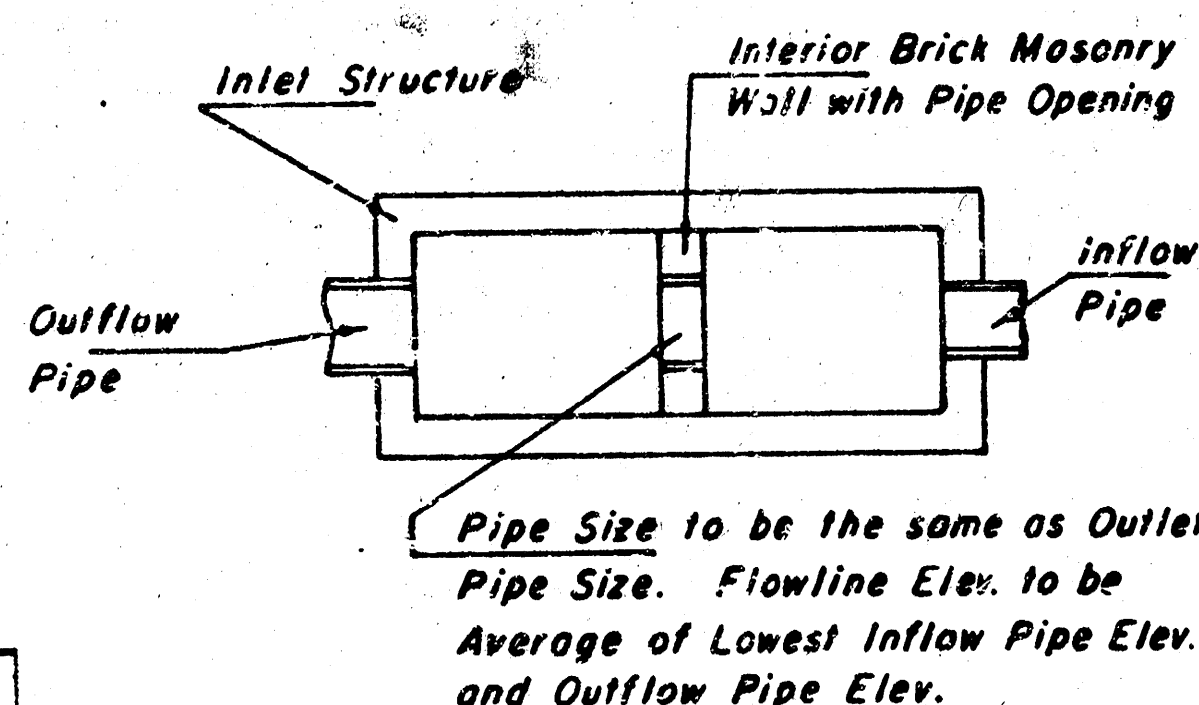
GENERAL NOTES

Concrete shall be COW Standard Paving Mix. All exposed edges shall be finished with an edging tool. Reinforcing Bars shall be field bent or cut to clear pipes and inlet rings. All bars are #4 bars at 6" spacing and shall have a minimum clearance of 1 1/2" unless otherwise noted. Floors of inlet shall be shaped with 8 Sack Sand Mix Concrete to increase hydraulic efficiency such that the inlet will be self cleaning between all inlet and/or outlet pipe(s). The Contractor will be required to construct 5" Brick Masonry Walls between the concrete inlet base and top on this inlet when H=7'-0" or less and W=6'-4" or less. WHEN W IS GREATER THAN 6'-4" AND H IS LESS THAN 7'-0", THE OUTSIDE INLET WALLS BELOW THE BRICK STACK SHALL BE REINFORCED CONCRETE CONSTRUCTION. CONCRETE TOPS TO BE INSTALLED ON THIN MORTAR CUSHION TO INSURE FULL SUPPORT ALONG BRICK WALLS. CONCRETE TOPS MAY BE CAST IN PLACE OR PRECAST. THE ENDS OF ALL PIPES INSTALLED IN INLETS SHALL BE CUT OFF FLUSH WITH THE INSIDE FACE OF THE INLET WALL.

TYPICAL INLET SECTION AT CENTER WALL (Reinforced Concrete Walls)



A center wall opening shall be provided by means of a section of reinforced concrete pipe. See Case I and Case II Below.



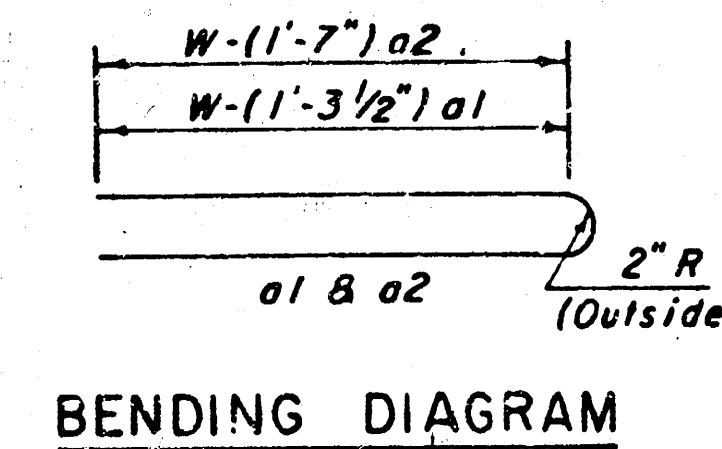
NOTE: Center Wall Pipe Size shall be as Specified in Inlet Construction Note on the Plan/Profile Sheets for those Cases not shown here.

W	PRE-CAST TOP SIZE	SIDE OR INTERIOR WALL PIPE SIZE	CU YD. CONC.
4'-4"	3'-8" x 11'-4" x 7 1/2"	21" Ø SMALLER	0.63 ±
5'-4"	4'-8" x 11'-4" x 7 1/2"	24" Ø 30"	1.09 ±
6'-4"	5'-8" x 11'-4" x 7 1/2"	36" Ø 42"	1.35 ±
7'-4"	6'-8" x 11'-4" x 7 1/2"	48" Ø 54"	1.61 ±
8'-4"	7'-8" x 11'-4" x 7 1/2"	60" Ø 66"	1.87 ±

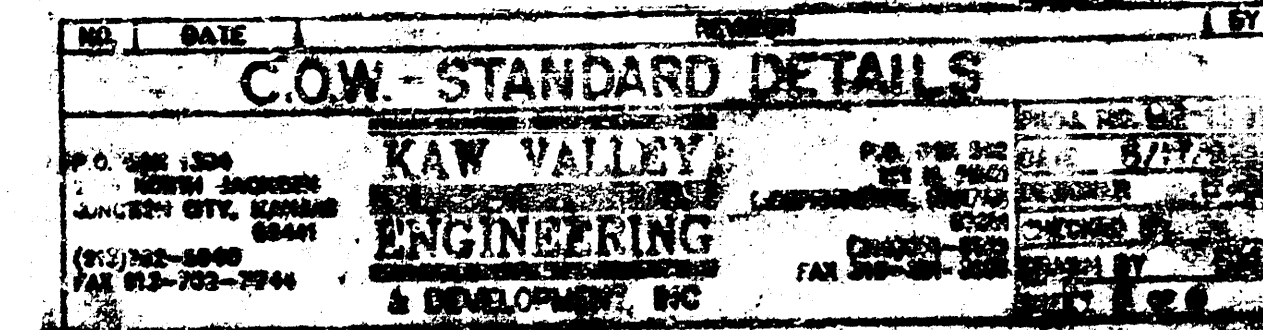
PRECAST SLAB AND FLOOR REINFORCING											
		W=4'-4"		W=5'-4"		W=6'-4"		W=7'-4"		W=8'-4"	
MARK	SIZE	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH	NO.	LENGTH
a1	#4	13	6'-7"	13	8'-7"	13	10'-7"	13	12'-7"	13	14'-7"
a2	#4	4	6'-0"	4	8'-0"	4	10'-0"	4	12'-0"	4	14'-0"
a3	#4	23	4'-1"	23	5'-1"	23	6'-1"	23	7'-1"	23	8'-1"
b1	#4	1	9'-9"	1	9'-9"	1	9'-9"	1	9'-9"	1	9'-9"
b2	#4	23	11'-1"	29	11'-1"	35	11'-1"	41	11'-1"	47	11'-1"
x1	#4	16	3'-10"	16	4'-2"	16	4'-6"	16	4'-10"	16	5'-2"

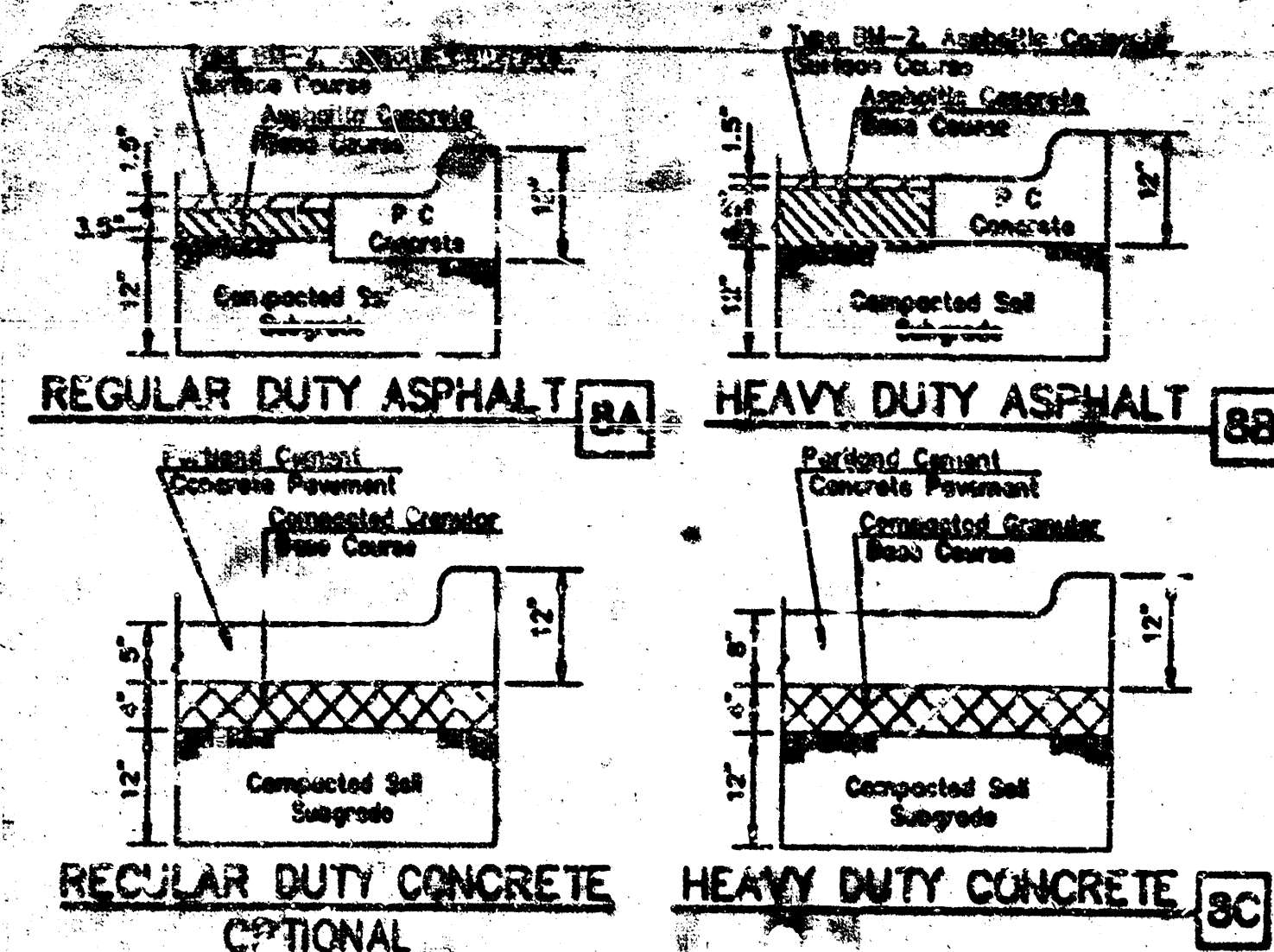
WALL REINFORCING											
		W=4'-4"		W=5'-4"		W=6'-4"		W=7'-4"		W=8'-4"	
Mark	Size	No.	Length	No.	Length	No.	Length	No.	Length	No.	Length
w1	#4	0	11'-1"	0	11'-1"	0	11'-1"	0	11'-1"	0	11'-1"
w2	#4	0	4'-1"	0	5'-1"	0	6'-1"	0	7'-1"	0	8'-1"

Field bend or cut Reinforcing as required for clearance.
 ① 4(NI-12") (NI-12") Rounded down to nearest 0.5"
 ② NI-3"

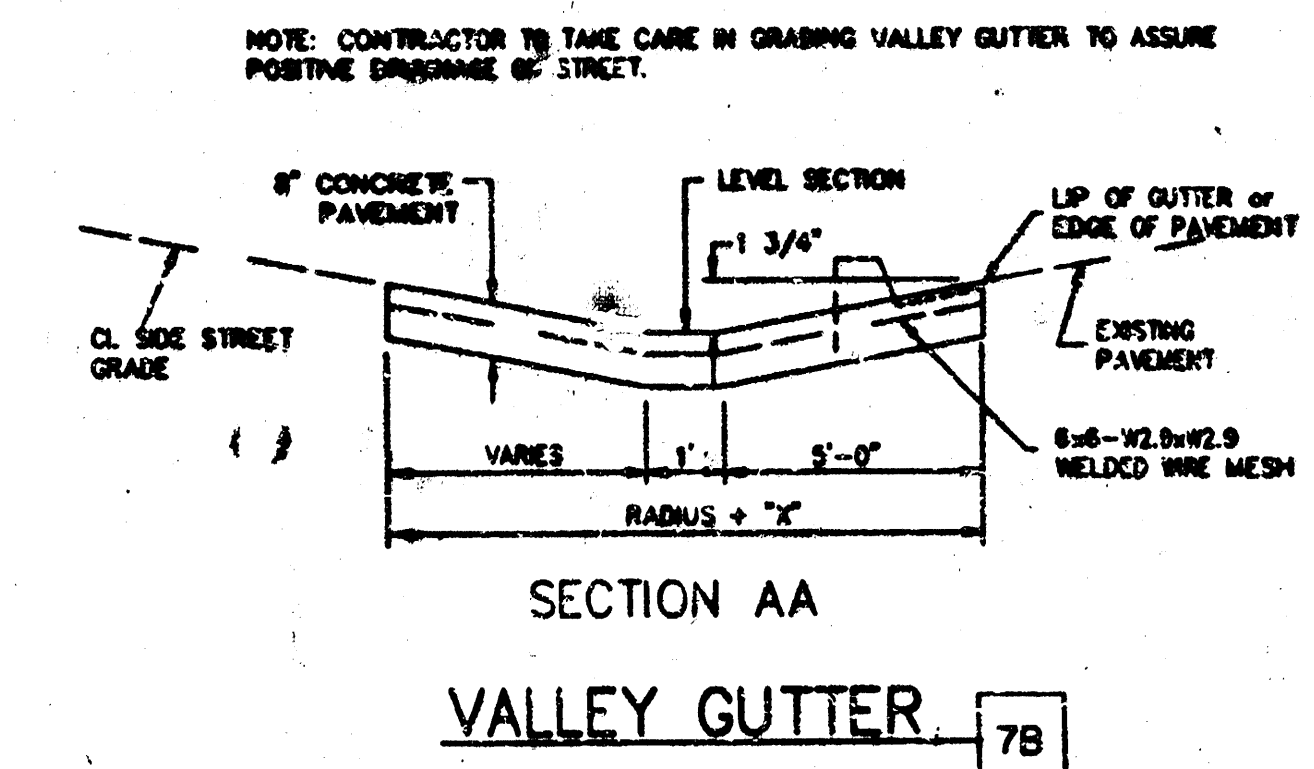
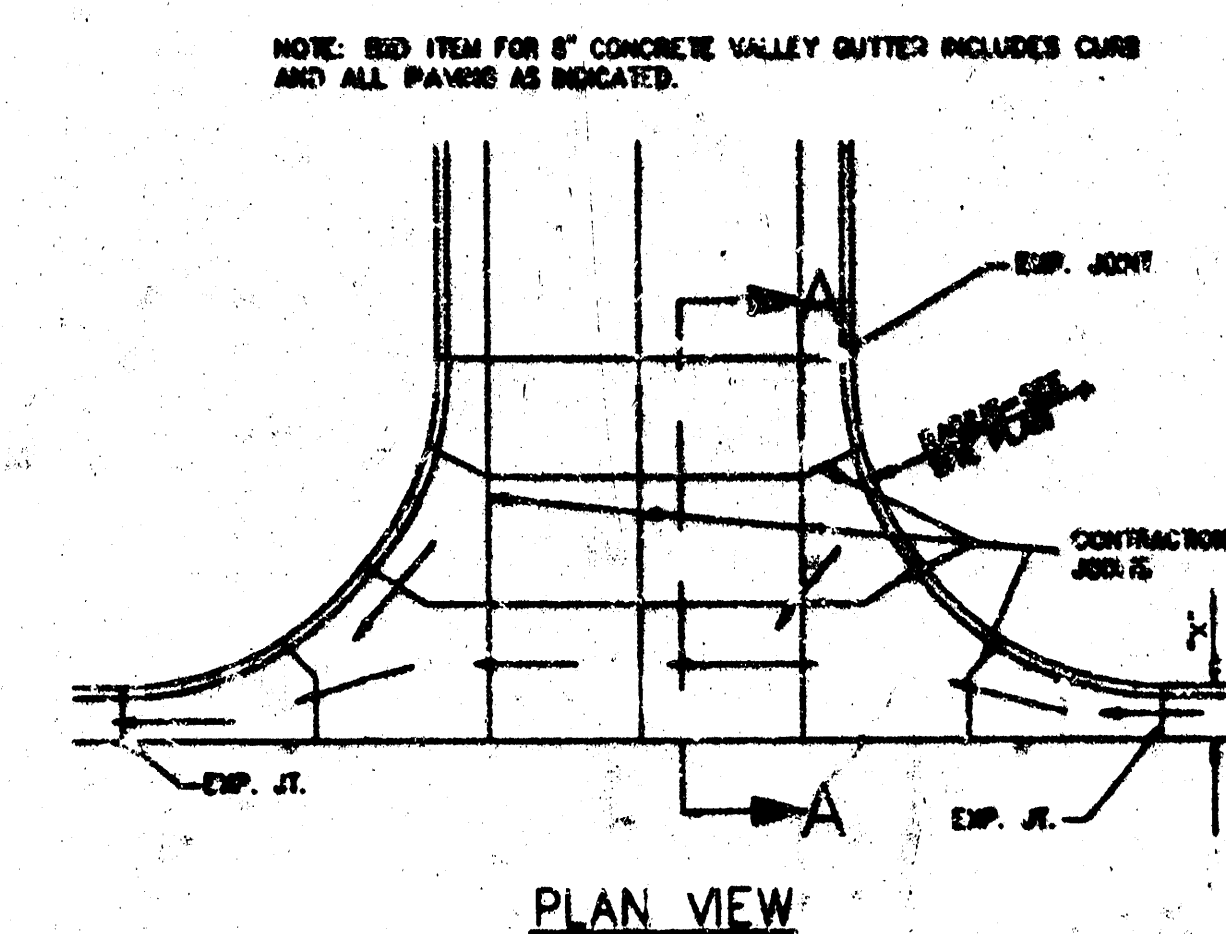
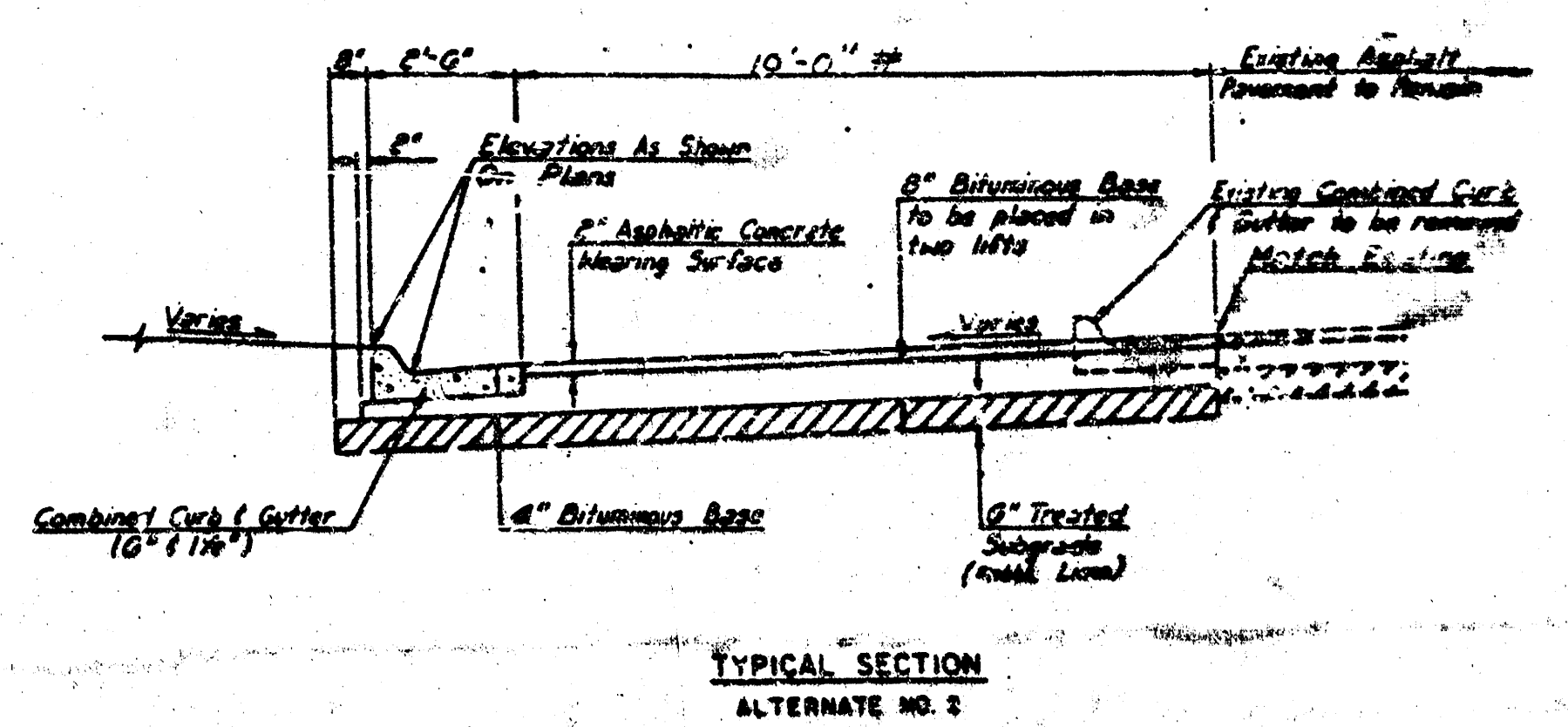
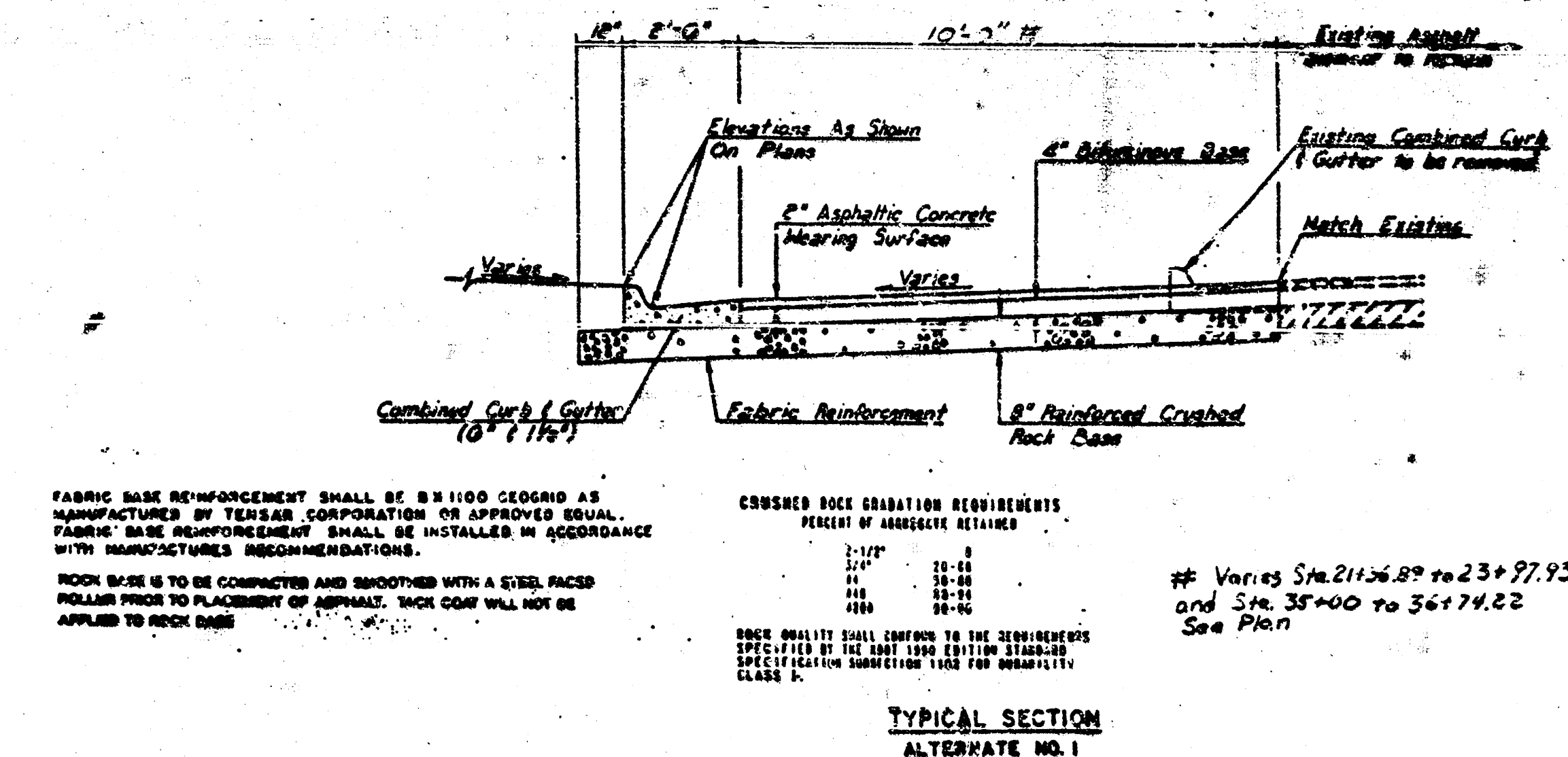
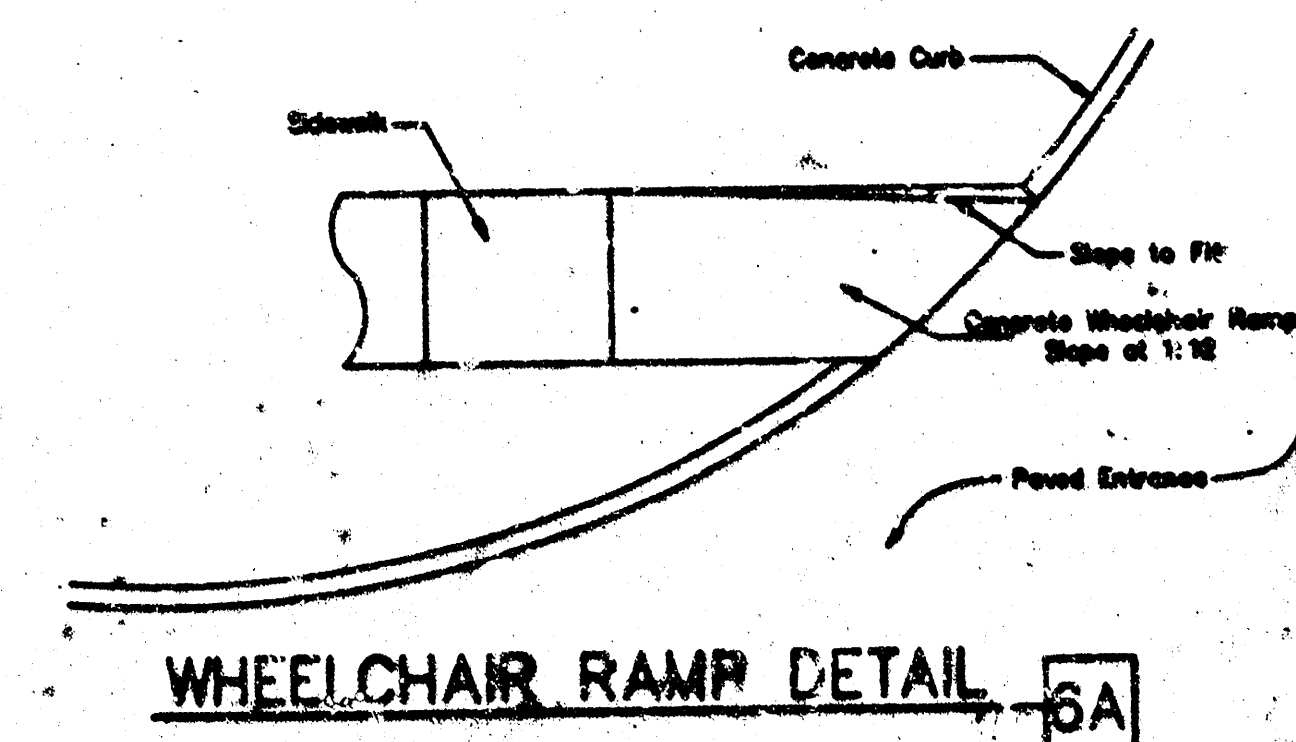
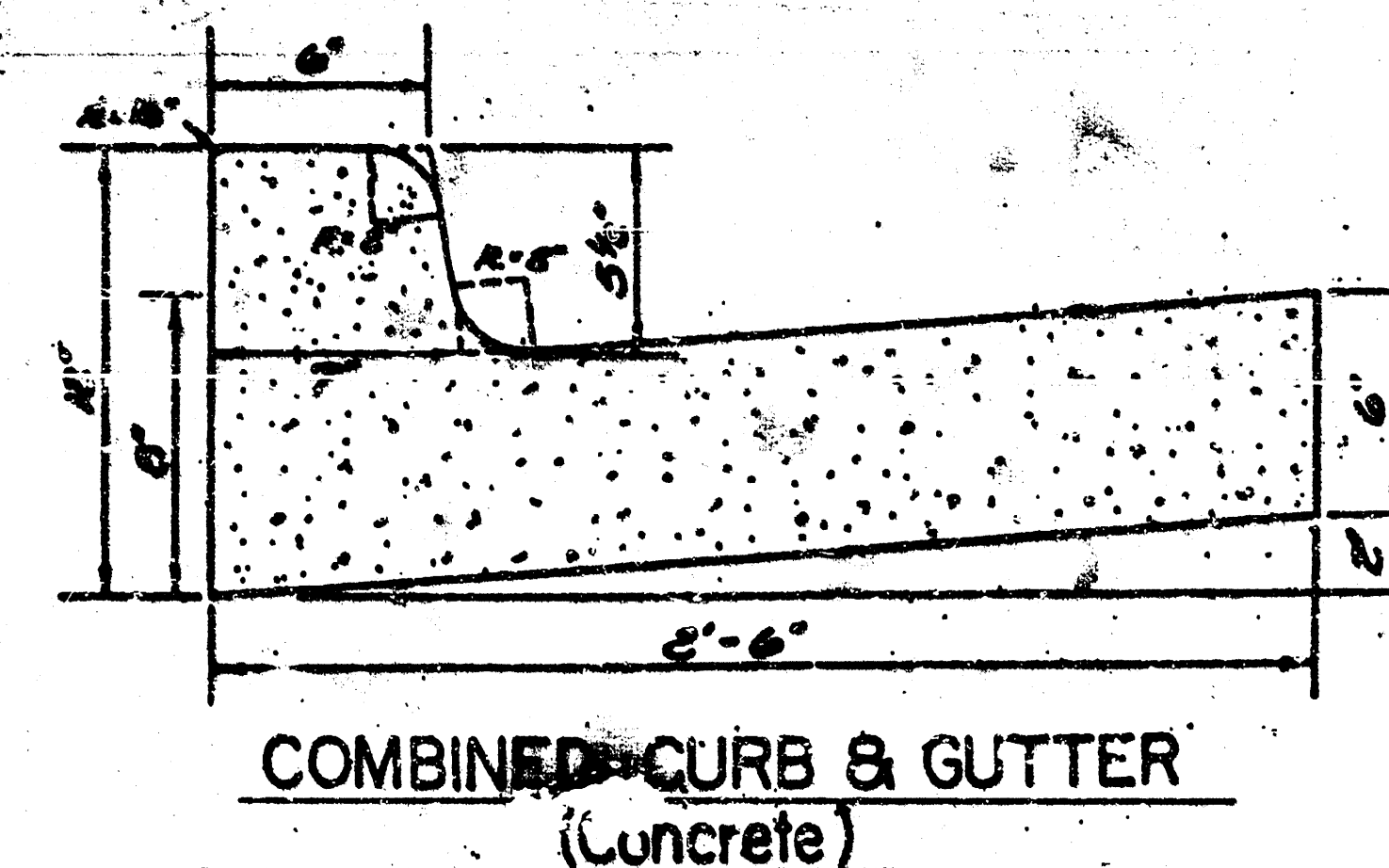
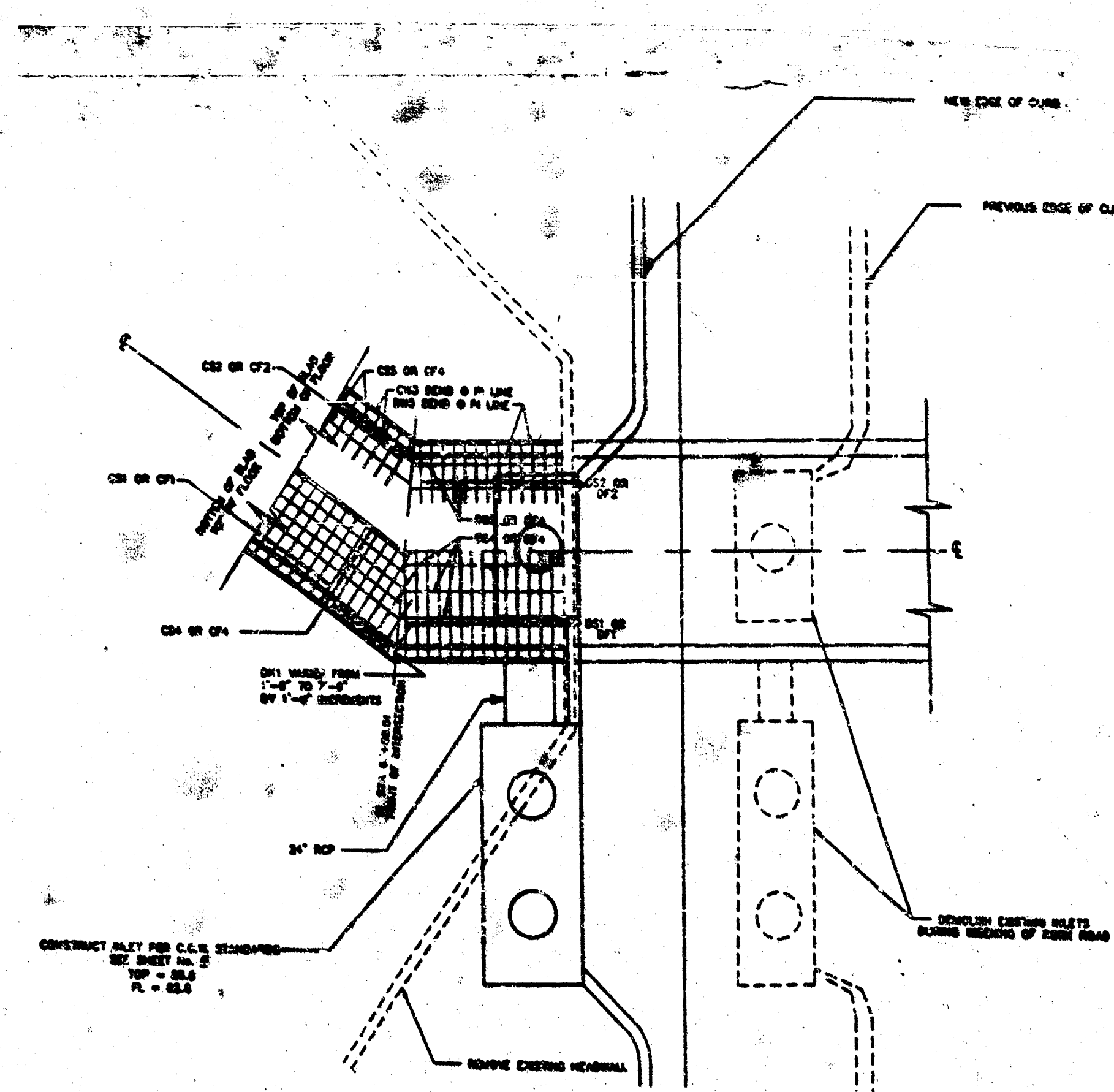


Revised 2-16-89
DETAIL STANDARD TYPE I CURB INLET
 INLET OPENING = 6' x 10'-0"
 CITY OF WICHITA
 M. E. LINDEBAK, CITY ENGINEER
 OCTOBER 1984





1. Flexible pavement shall be in accordance with the latest edition of the Kansas Department of Transportation's Standard Specifications for State Road and Bridge Construction, Division 500.
2. Portland cement concrete shall have a minimum compressive strength of 4000 PSI at 28 days with 6% entrained air $\pm 2\%$ and shall meet or exceed the specifications set forth in the latest edition of the Kansas Department of Transportation's Standard Specifications for State Road and Bridge Construction, Divisions 400 and 500.
3. Refer to Wal-Mart Sitework Specifications for Concrete Pavement Jointing, Spacing, and Details.
4. Pavement design based on unstabilized subgrade CBR of 4.0.
5. Heavy Duty Concrete is an alternate payment for [8D] Heavy Duty asphalt. When plans specify [8D] no alternate use allowed.



8/28/92	REVISED PER CITY REQUEST	JO
NO. 1	DATE	REVISED
PAVEMENT DETAILS		
P.O. BOX 1304 205 SOUTH AVENUE ANCHORAGE, ALASKA 99501 (907) 261-2000 FAX (907) 261-2744	RAW VALLEY ENGINEERING	P.O. BOX 1304 205 SOUTH AVENUE ANCHORAGE, ALASKA 99501 (907) 261-2000 FAX (907) 261-2744