

PRIVATE SANITARY & STORM WATER SEWER PLANS FOR BUILDING 200 & 400, LOT 1, BLOCK 5, STONE HEDGE ADDITION

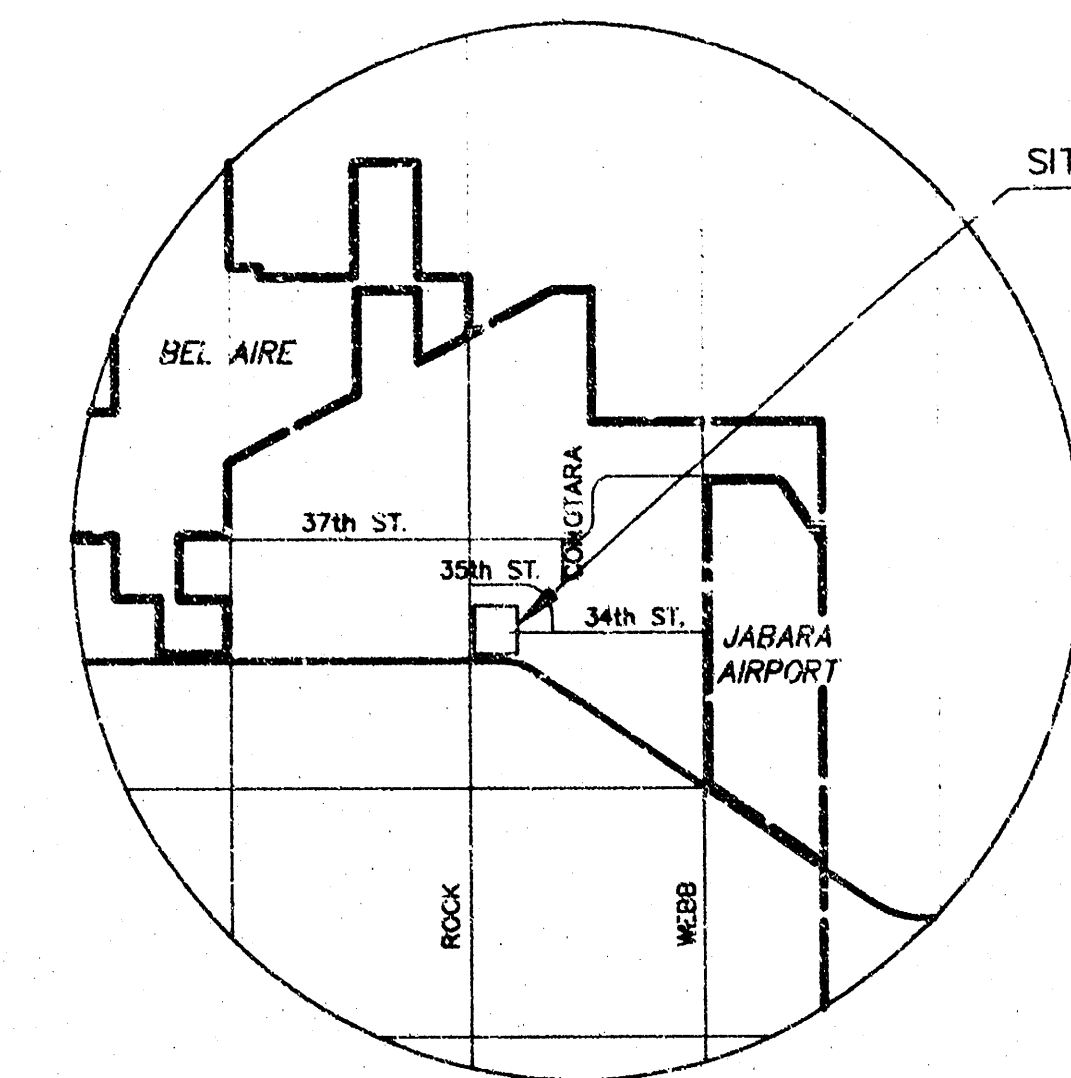
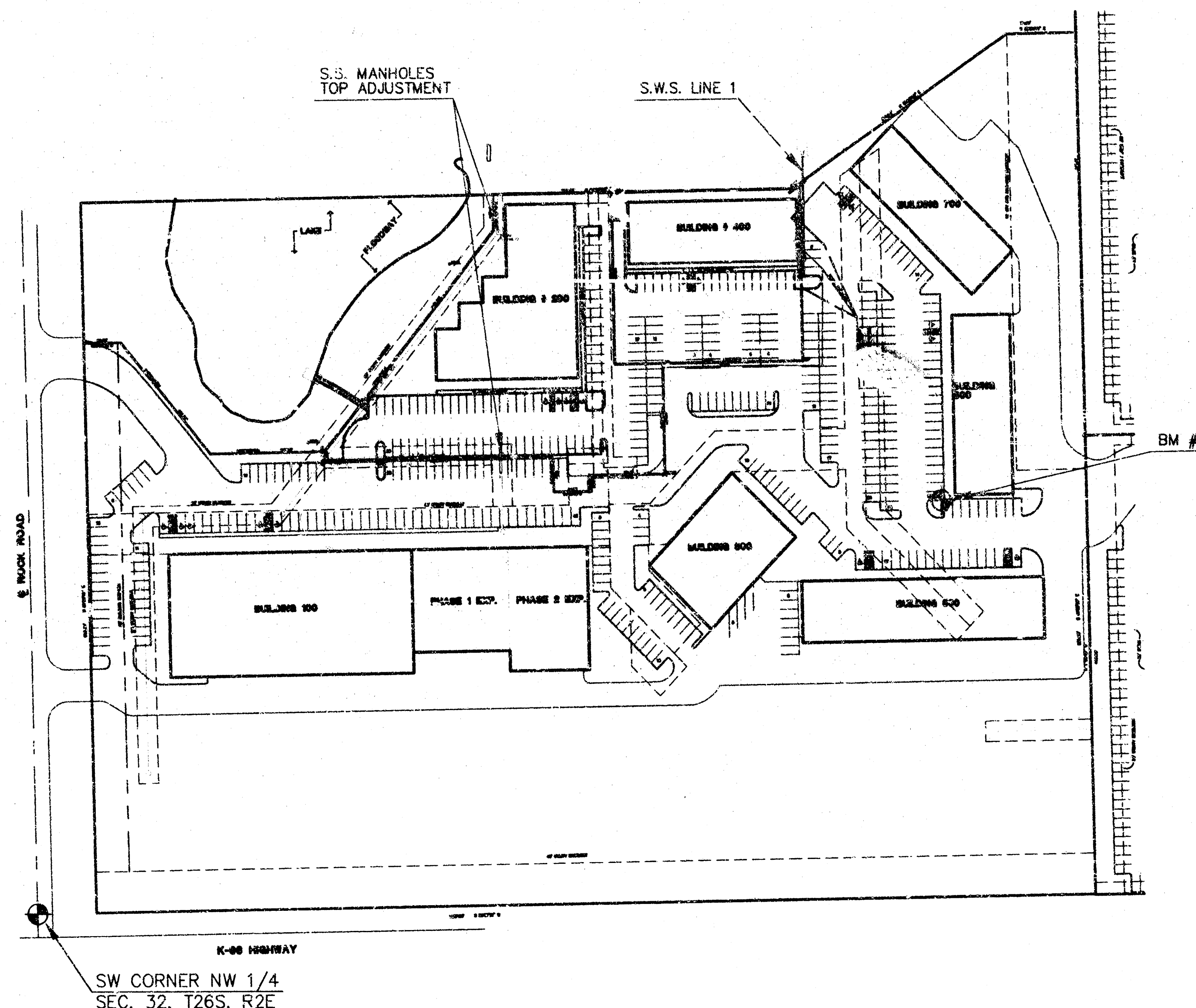
CITY OF WICHITA, KANSAS
MICHAEL E. LINDEBAK, CITY ENGINEER
INDEX CODE 607861
USER CODE 718PPS

GENERAL NOTES

- 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.
- EXISTING UTILITIES AND THEIR LOCATIONS, 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 RECORD DRAWINGS OR COMPANY PROVIDED FIELD LOCATIONS. THE PLAN LOCATIONS SHOWN ARE NOT GUARANTEED. ADDITIONAL EXISTING UTILITIES MAY ALSO BE ENCOUNTERED.
- CONTRACTOR WILL BE REQUIRED TO PROVIDE A MINIMUM ADVANCE NOTICE OF FORTY-EIGHT (48) HOURS TO UTILITY COMPANIES PRIOR TO STARTING ANY EXCAVATION AS FOLLOWS:

KANSAS ONE-CALL 1-800-344-7233
or 687-2470 (LOCAL WICHITA)

THE CONTRACTOR MUST NOTIFY THE FOLLOWING IN CASE OF AN EMERGENCY:
SOUTHWESTERN BELL TELEPHONE COMPANY 1-571-2115
CABLEVISION 262-0661
KANSAS GAS & ELECTRIC (ELECTRIC) 264-1141
KANSAS GAS & ELECTRIC (GAS) 832-3180 OR 832-3189
CITY OF WICHITA SEWER MAINTENANCE 268-4908
CITY OF WICHITA WATER DEPARTMENT 268-4908
- 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. THESE SITES SHALL BE APPROVED BY THE ENGINEER AS TO SUITABILITY, APPEARANCE AND SITE LOCATION. LOCATIONS THAT, IN THE OPINION OF THE ENGINEER, WILL LEAVE AN UNSIGHTLY APPEARANCE WILL NOT BE APPROVED. 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 ARCHAEOLOGICAL INVESTIGATIONS UNLESS BURIED IN A PREVIOUSLY APPROVED BORROW LOCATION.
- TREES AND SHRUBS IN PUBLIC RIGHT-OF-WAY WHICH ARE IN DIRECT CONFLICT WITH PROPOSED NEW CONSTRUCTION SHALL BE REMOVED BY THE CONTRACTOR WITH THE ENGINEER'S APPROVAL. TREES AND SHRUBS WHICH ARE NOT IN DIRECT CONFLICT WITH PROPOSED NEW CONSTRUCTION SHALL BE SAVED AND PROTECTED FROM DAMAGE.
- CONTRACTOR SHALL RESEED AND MULCH ALL DISTURBED AREAS. COST SHALL BE SUBSIDIARY TO SITE RESTORATION.



LOCATION MAP

APPROVED AS NOTED
BY CITY ENGINEER OF WICHITA

STORM WATER SEWERS VRH 5/28/97
SANITARY SEWERS VRH 5/28/97

NOTE TO CONTRACTOR

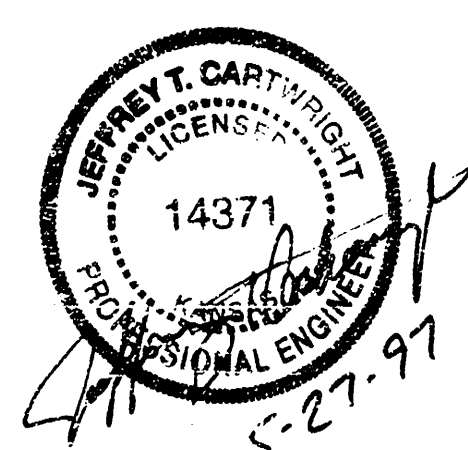
PUBLIC PROPERTY:
INSPECTION AND TESTING FOR THE SEWER LINE IS TO BE PROVIDED BY A LICENSED CONSULTING ENGINEERING FIRM UNDER CONTRACT WITH THE OWNER/DEVELOPER. SAID INSPECTION TO BE IN ACCORDANCE WITH THE CITY OF WICHITA STANDARD CONSTRUCTION ENGINEERING PRACTICES AND CERTIFIED BY A LICENSED PROFESSIONAL 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 WITHOUT WRITTEN AUTHORIZATION BY THE CITY ENGINEER. ALL CONSTRUCTION AND MATERIALS SHALL COMPLY WITH THE CITY OF WICHITA SPECIFICATIONS AND STANDARDS (ON FILE AND AVAILABLE IN THE CITY ENGINEER'S OFFICE).

INDEX TO DRAWINGS

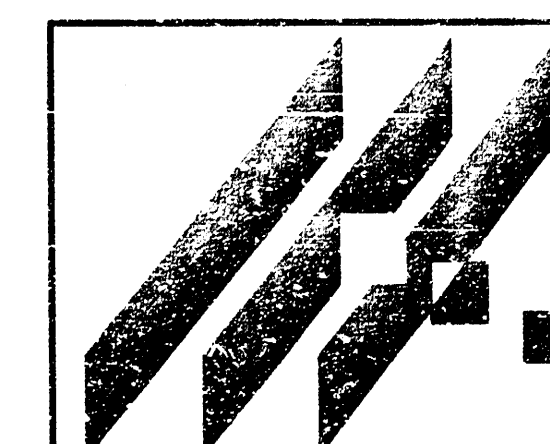
SHEET NO.	DESCRIPTION
T	TITLE SHEET
1	SITE PLAN
2	PAVING DETAILS
3	STORM WATER SEWER TYPE II CURB INLET
4	STORM WATER SEWER DROP INLET & LINE 1 PROFILE

BENCHMARKS

- BM #1 SQUARE CUT ON SOUTH T.C. OF 34TH ST. CIR. IN LINE WITH THE EAST LINE OF LOT 13, COMOTARA INDUSTRIAL PARK 2ND ADD. ELEV. = 215.045
- BM #2 SQUARE CUT ON T.C. AT THE S.W. CORNER OF BUILDING 600. ELEV. = 210.94



SCALE: 1" = 100'
LEGEND



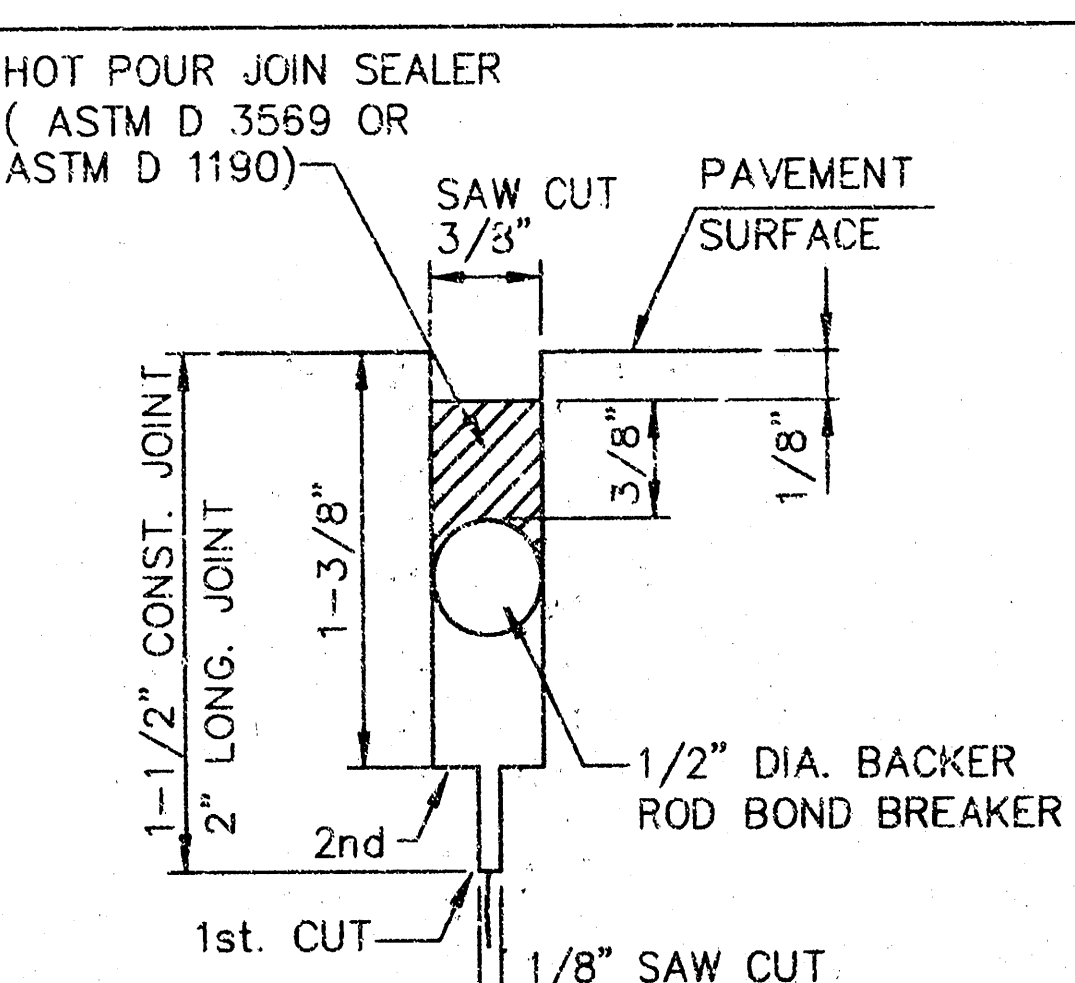
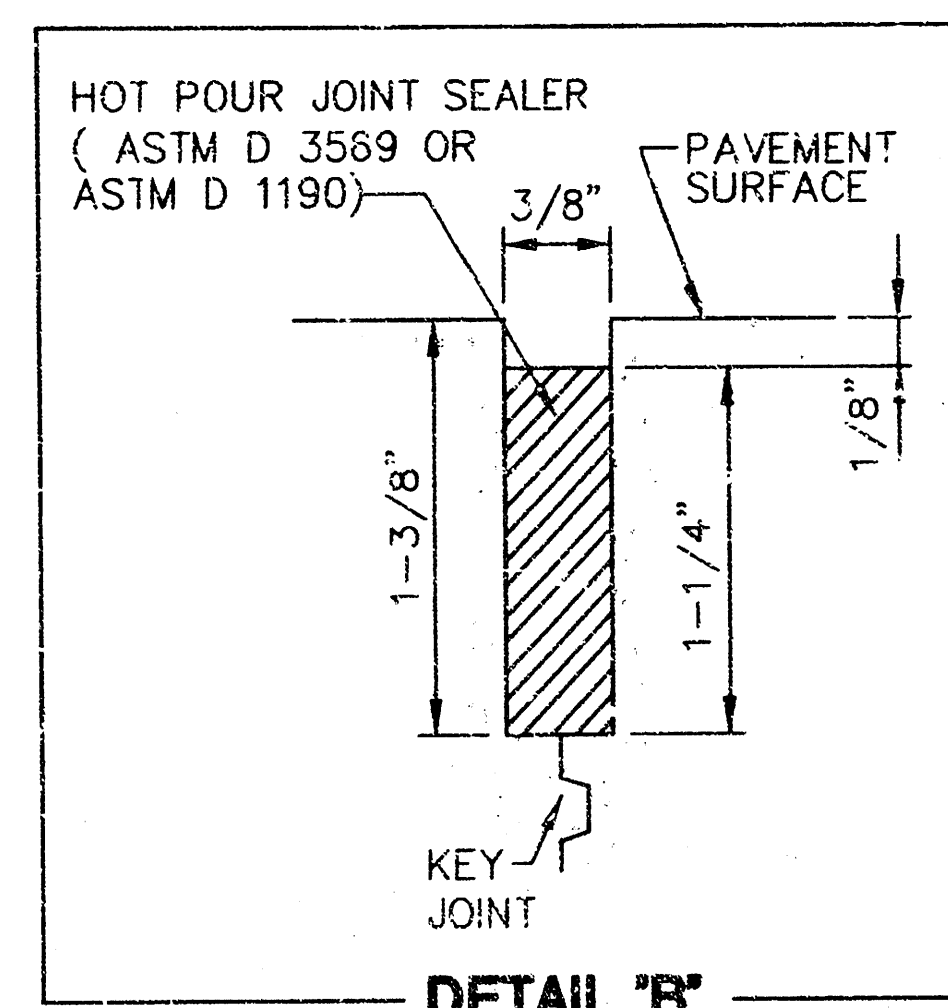
**NORTHROCK BUSINESS PARK
BUILDING 200 & 400**
PROJECT NAME
**PRIVATE SANITARY & STORM WATER
SEWER PLANS**
SHEET TITLE

MID-KANSAS ENGINEERING
CONSULTANTS, INC.
411 N. WEBB ROAD
WICHITA, KS. 67206
316-684-9600

JTC DESIGN BY:	GJR DRAWN BY:	JTC CHECKED BY:
MAY 1997 DATE	97077-ET.DWG JOB NO.	T / 4 SHEET/OF

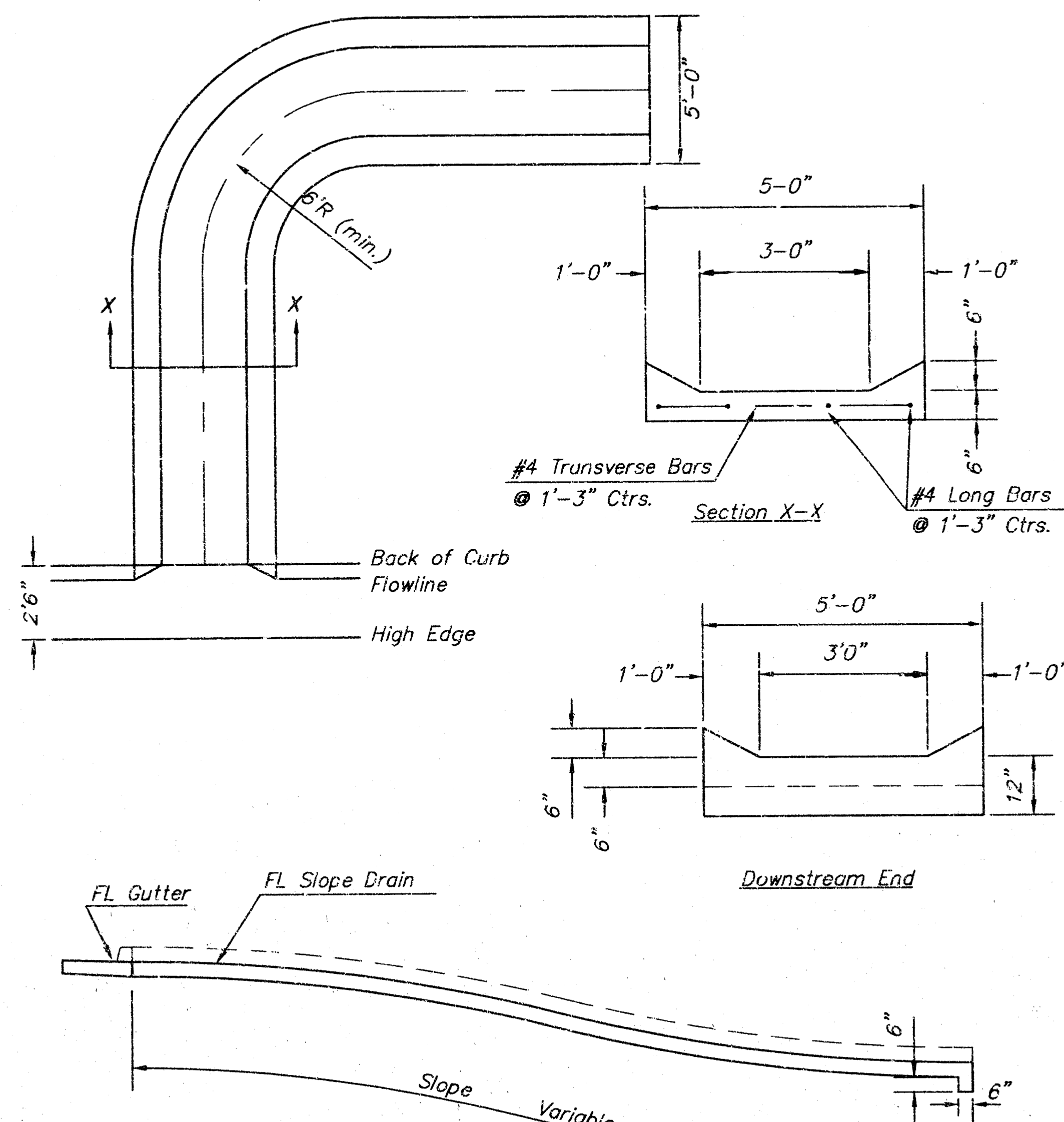
GENERAL NOTES

- CONTRACTOR WILL BE REQUIRED TO PROVIDE A MINIMUM ADVANCE NOTICE OF FORTY-EIGHT (48) HOURS TO UTILITY COMPANIES PRIOR TO STARTING ANY EXCAVATION AS FOLLOWS:
KANSAS ONE-CALL 1-800-344-7233
OR 687-2470 (LOCAL WICHITA)
- THE CONTRACTOR MUST NOTIFY THE FOLLOWING IN CASE OF EMERGENCY:
SOUTHWESTERN BELL TELEPHONE COMPANY 1-571-2115
CABLEVISION 262-4270 OR 263-2061
KPL GAS SERVICE COMPANY 263-7511
KANSAS GAS & ELECTRIC 264-1141
CITY OF WICHITA WATER & SEWER 268-4908
- THE CONTRACTOR SHALL GIVE ALL PROPERTY OWNERS AND/OR TENANTS OF DEVELOPED PROPERTY ADJUTING THE PROJECT LIMITS A MINIMUM OF TEN (10) DAYS ADVANCE NOTICE PRIOR TO START OF CONSTRUCTION.
- UTILITY SERVICE LINES, POLES, VALVE BOXES, METERS, AND ETCETERA ARE TO BE ADJUSTED AS NECESSARY BY OTHERS PRIOR TO CONSTRUCTION UNLESS THE PLANS SPECIFICALLY CALL FOR THEIR ADJUSTMENT BY THE CONTRACTOR OR UNLESS THE PLANS OR CONTRACT DOCUMENTS SPECIFICALLY IDENTIFY A UTILITY TO BE ADJUSTED BY ITS OWNER DURING CONSTRUCTION. EXISTING UTILITIES AND THEIR LOCATION, AS SHOWN ON THE PLANS, REPRESENT THE BEST INFORMATION OBTAINABLE FOR DESIGN. THE CONTRACTOR WILL BE REQUIRED TO WORK AROUND EXISTING UTILITIES WITHIN THE PROJECT WHICH DO NOT CONFLICT WITH PROPOSED CONSTRUCTION.
- ALL ADJACENT BUILDINGS, STRUCTURES, PARKING LOTS, DRIVES, STREET PAVEMENTS, UTILITY LINES, UTILITY STRUCTURES AND APPURTENANCES OTHER THAN SHOWN FOR REPLACEMENT SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION OF THE PROJECT. DAMAGED ITEMS SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. SHEETING AND SHORING MAY BE REQUIRED TO PROTECT THE ITEMS MENTIONED ABOVE.
- A SAW CUT OF AT LEAST ONE-HALF THE DEPTH OF EXISTING SURFACE COURSES OR ONE-FOURTH THE DEPTH OF THE EXISTING TOTAL PAVEMENT THICKNESS SHALL BE PROVIDED AT LOCATIONS WHERE PROPOSED CONSTRUCTION ADJUTS AN EXISTING SURFACE COURSE OR PAVEMENT FOR WHICH PARTIAL REMOVAL OF THAT SURFACE OR PAVEMENT IS REQUIRED. SAWED JOINT TO FACILITATE REMOVAL WITHIN THREE (3) FEET OF EXISTING JOINTS WILL NOT BE PERMITTED AND FOR SUCH INSTANCES THE LIMITS OF REMOVAL SHALL EXTEND TO THE EXISTING JOINT. SUCH SAW CUTS WILL NOT BE PAID FOR DIRECTLY AND THIS COST SHALL BE CONSIDERED AS SUBSIDIARY TO THE PROJECT.
- RUBBLE FROM THE REMOVAL OF PAVEMENT, MISCELLANEOUS STRUCTURES AND EXCESS EXCAVATION WHICH IS TO BE WASTED SHALL BE DISPOSED OF ON SITES TO BE PROVIDED BY THE CONTRACTOR. THESE SITES SHALL BE APPROVED BY THE ENGINEER AS TO SUITABILITY, APPEARANCE AND SITE LOCATION. LOCATIONS THAT, IN THE OPINION OF THE ENGINEER, WILL LEAVE AN UNSIGHTLY APPEARANCE WILL NOT BE APPROVED. 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 ARCHAEOLOGICAL INVESTIGATIONS UNLESS BURIED IN A PREVIOUSLY APPROVED BORROW LOCATION.
- PROPERTIES WITHIN THE PROJECT LIMITS MAY HAVE PRIVATE IMPROVEMENTS, I.E., SPRINKLER SYSTEMS, FENCES, PLANTERS, SIGNS, ELECTRICAL LIGHTING, ETC., WHICH CONFLICT WITH NEW CONSTRUCTION. CONTRACTOR WILL BE REQUIRED TO REMOVE SUCH IMPROVEMENTS SHOULD THEY NOT BE REMOVED BY THEIR OWNER AT THE TIME OF CONSTRUCTION OF THE PROJECT. THE CONTRACTOR WILL BE REQUIRED TO SALVAGE ALL SPRINKLER HEADS, VALVES AND OTHER REUSABLE MATERIALS AND GIVE SUCH TO THEIR OWNER. IMPROVEMENTS NOT IN CONFLICT WITH NEW CONSTRUCTION SHALL BE PROTECTED FROM DAMAGE AND SHALL REMAIN IN PLACE. ALL WORK IN CONNECTION WITH REMOVAL OF THESE ITEMS SHALL BE CONSIDERED AS SUBSIDIARY TO PROJECT.
- TREES AND SHRUBS WITHIN PROJECT LIMITS WHICH ARE IN DIRECT CONFLICT WITH PROPOSED NEW CONSTRUCTION SHALL BE REMOVED BY THE CONTRACTOR WITH THE ENGINEER'S APPROVAL. TREES AND SHRUBS WHICH ARE NOT IN DIRECT CONFLICT WITH PROPOSED NEW CONSTRUCTION SHALL BE SAVED AND PROTECTED FROM DAMAGE.
- 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 REGISTERED LAND SURVEYOR IN ACCORDANCE WITH STATE LAWS.
- ALL LIGHT POLE FOOTINGS AND/OR FOUNDATIONS LOCATED WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED TO A MINIMUM DEPTH OF 18" BELOW THE SUBGRADE IN AREAS TO BE PAVED OR TO A MINIMUM OF 18" BELOW THE GROUNDLINE IN AREAS TO BE SEEDED.
- ALL ELEVATIONS SHOWN ARE CITY DATUM. CITY DATUM = USGS MSL - 1187.40
- ALL WORK TO BE DONE ACCORDING TO CITY OF WICHITA SPECIFICATIONS.
- JOINT SPACING SHALL NOT EXCEED 12', AND, WHERE NEW PAVEMENT ADJOINS EXISTING PAVEMENT, NEW JOINTS SHALL ALIGN WITH EXISTING JOINTS.
- CONSTRUCTION JOINTS SHALL BE PLACED AT THE END OF A DAY'S RUN OR WHERE PAVING OPERATIONS ARE SUSPENDED FOR 45 MINUTES OR LONGER. CONSTRUCTION JOINTS SHALL BE LOCATED AT CONTRACTION JOINTS OR AT LOCATIONS SPECIFIED BY THE ENGINEER.
- CONTRACTOR SHALL RESEED AND MULCH ALL DISTURBED AREAS. COST SHALL BE SUBSIDIARY TO PROJECT.

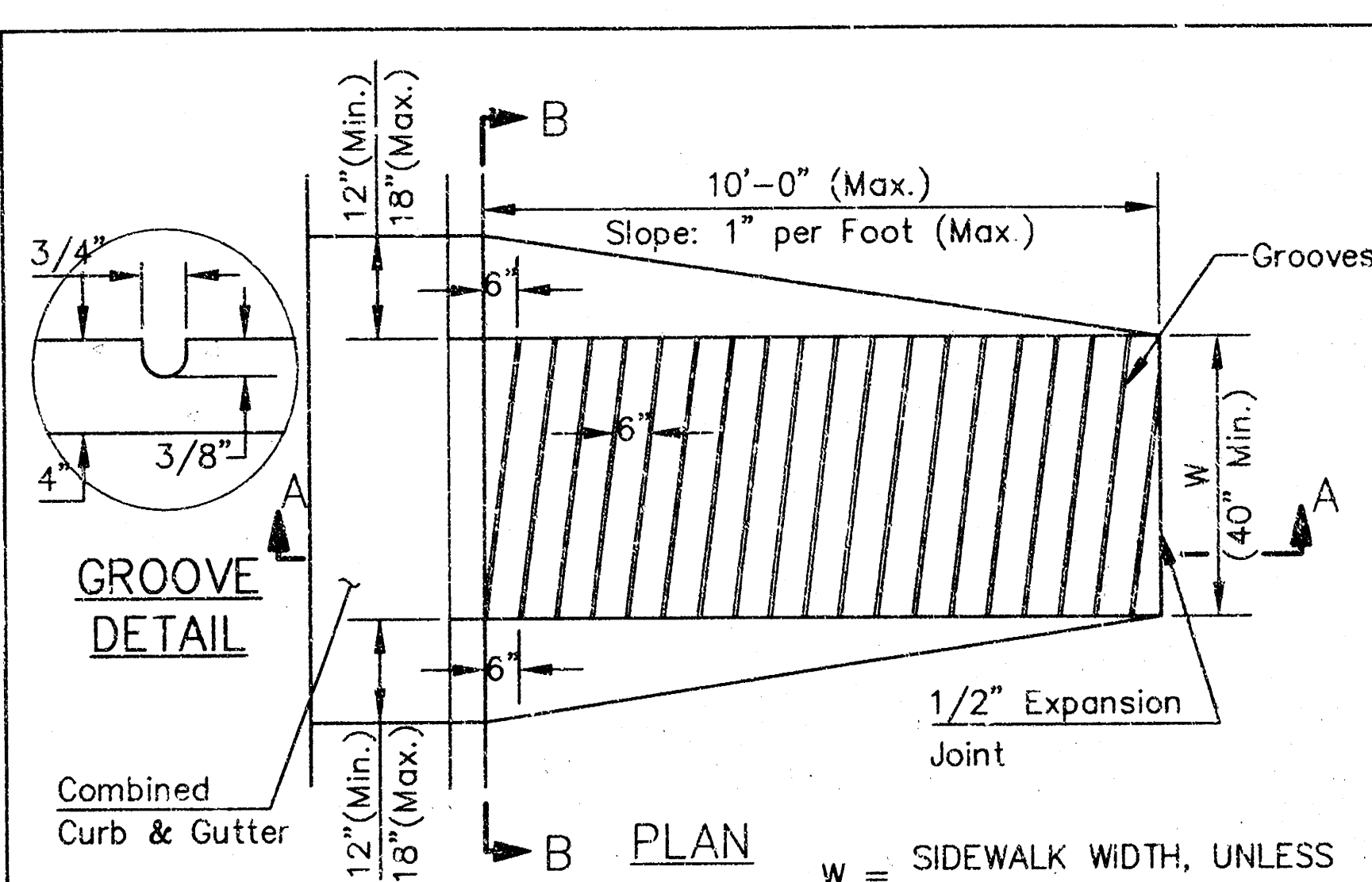


NOTE:
INITIAL CUT SHALL BE 1/8" WIDE.
3/8" CUT SHALL BE SAWED PRIOR TO SEALING, AFTER THE POSSIBILITY IF EDGE RAVELING.

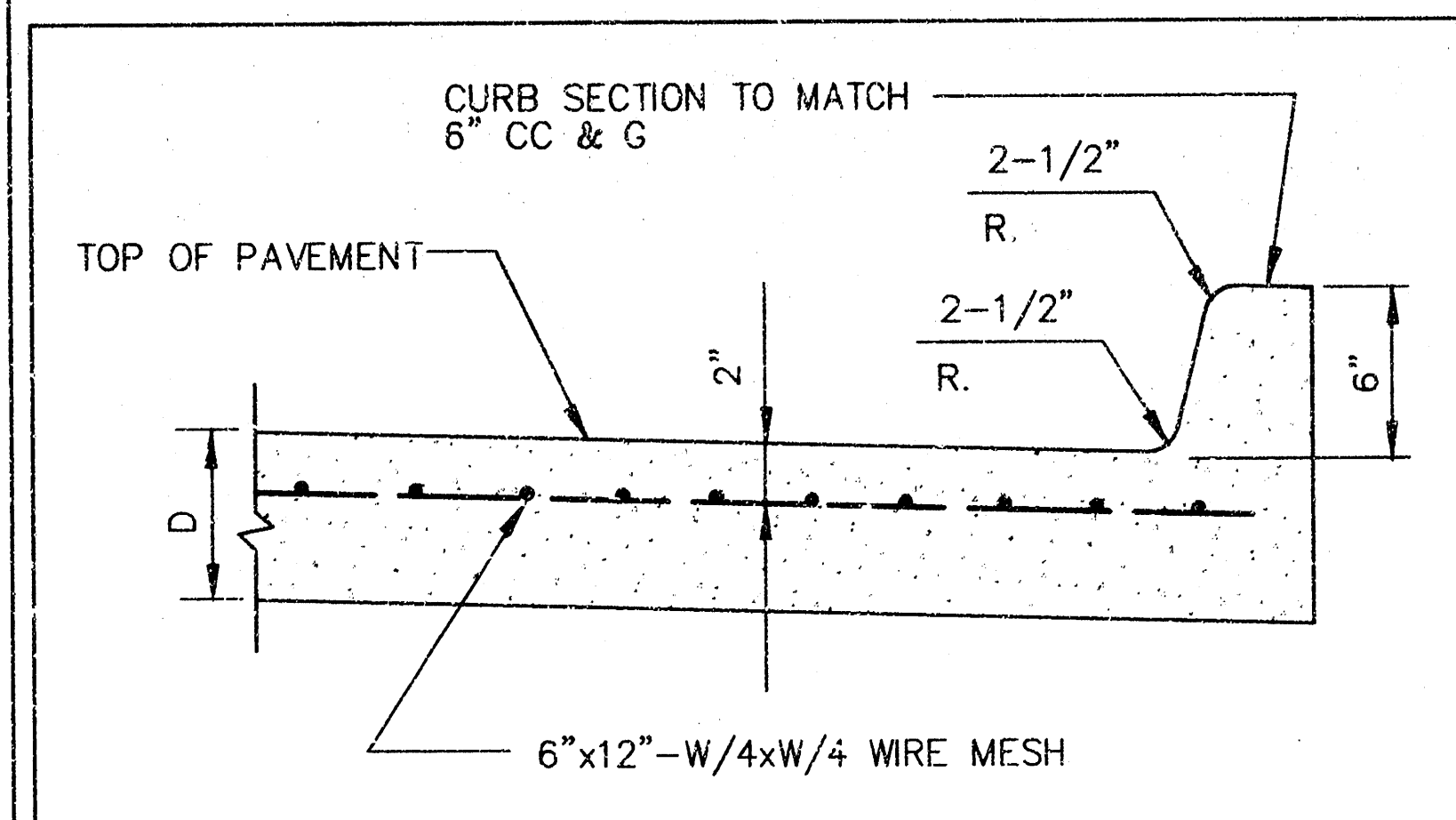
DETAIL 'A'



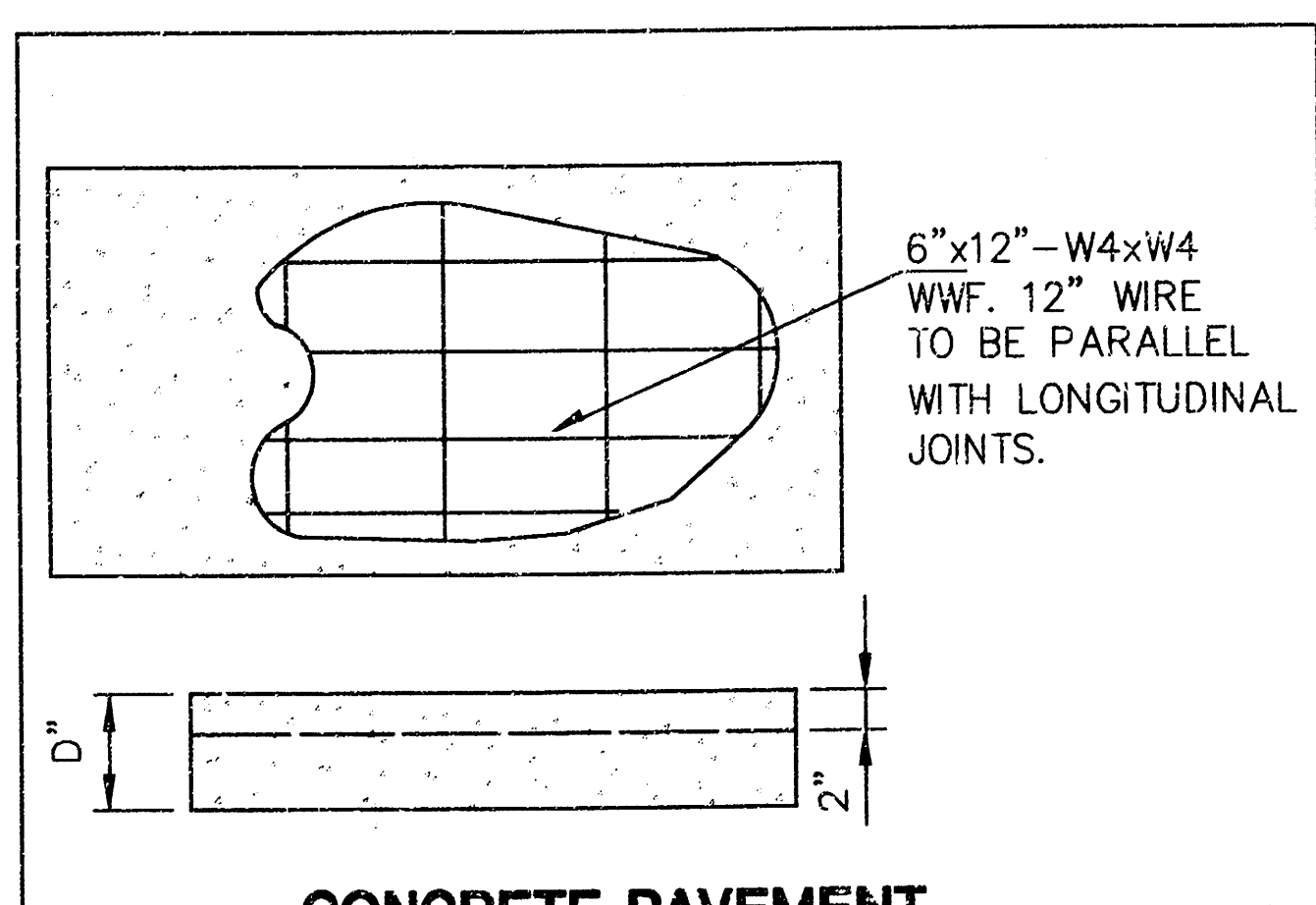
CONCRETE SLOPE DRAIN DETAILS



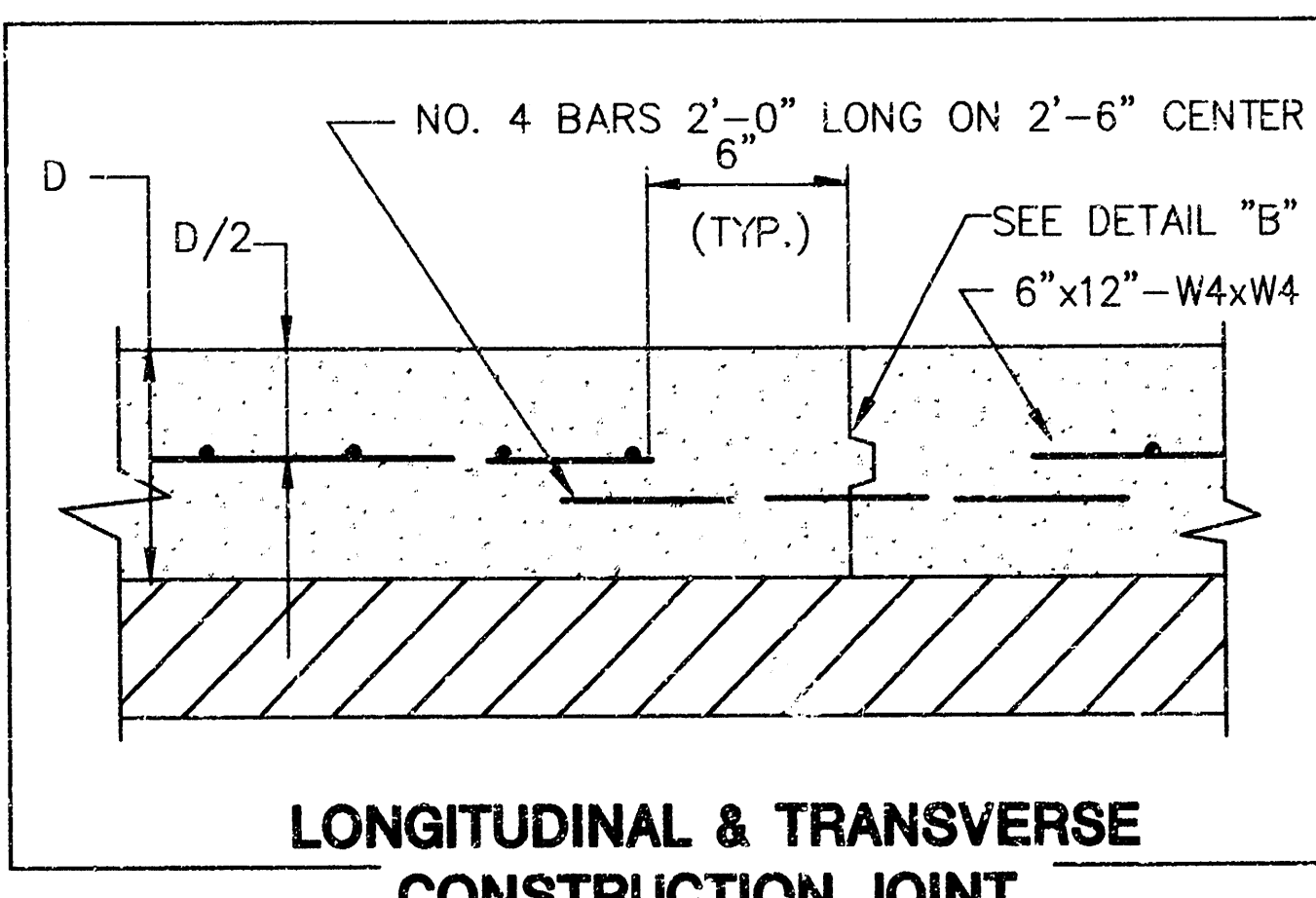
STANDARD WHEELCHAIR RAMP



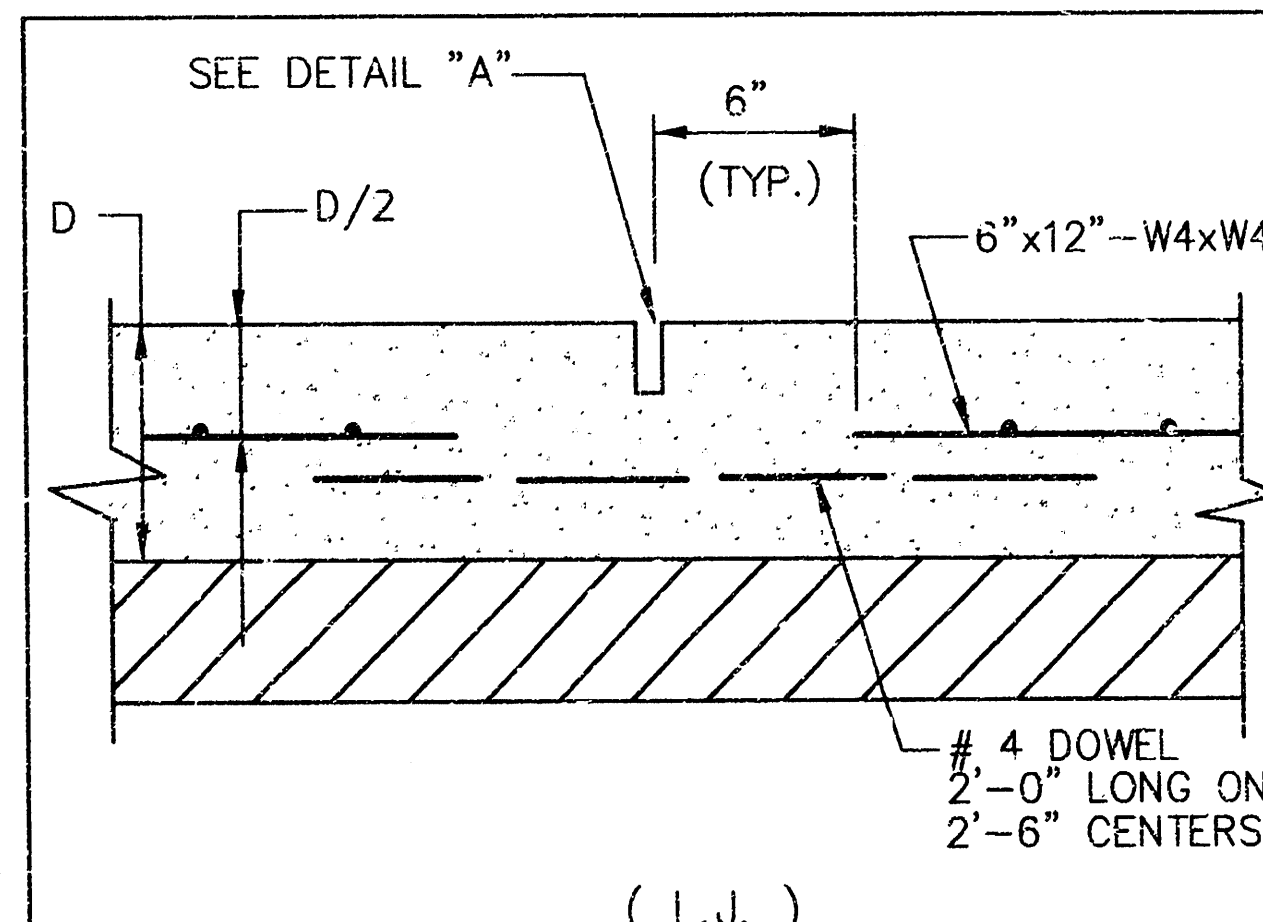
MONOLITHIC EDGE CURB



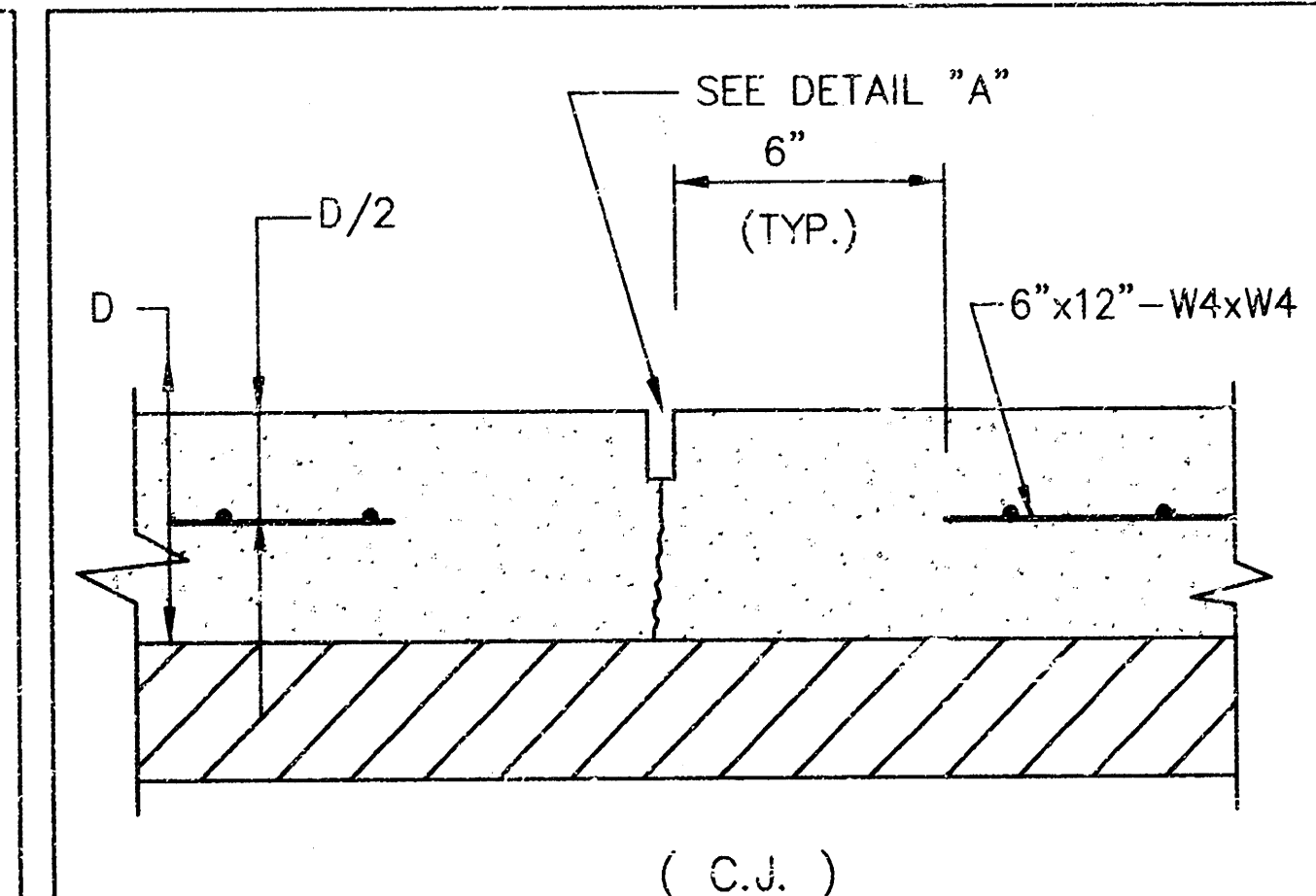
CONCRETE PAVEMENT



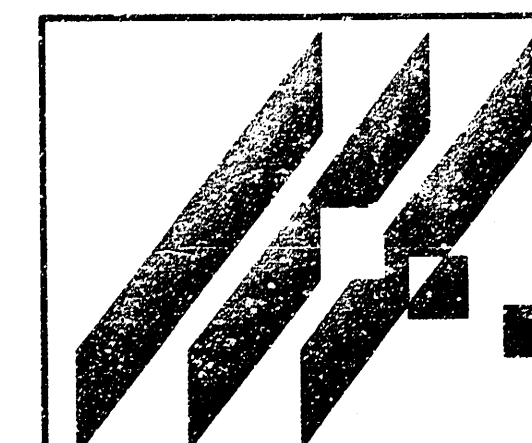
LONGITUDINAL & TRANSVERSE CONSTRUCTION JOINT



SAWED LONGITUDINAL JOINT



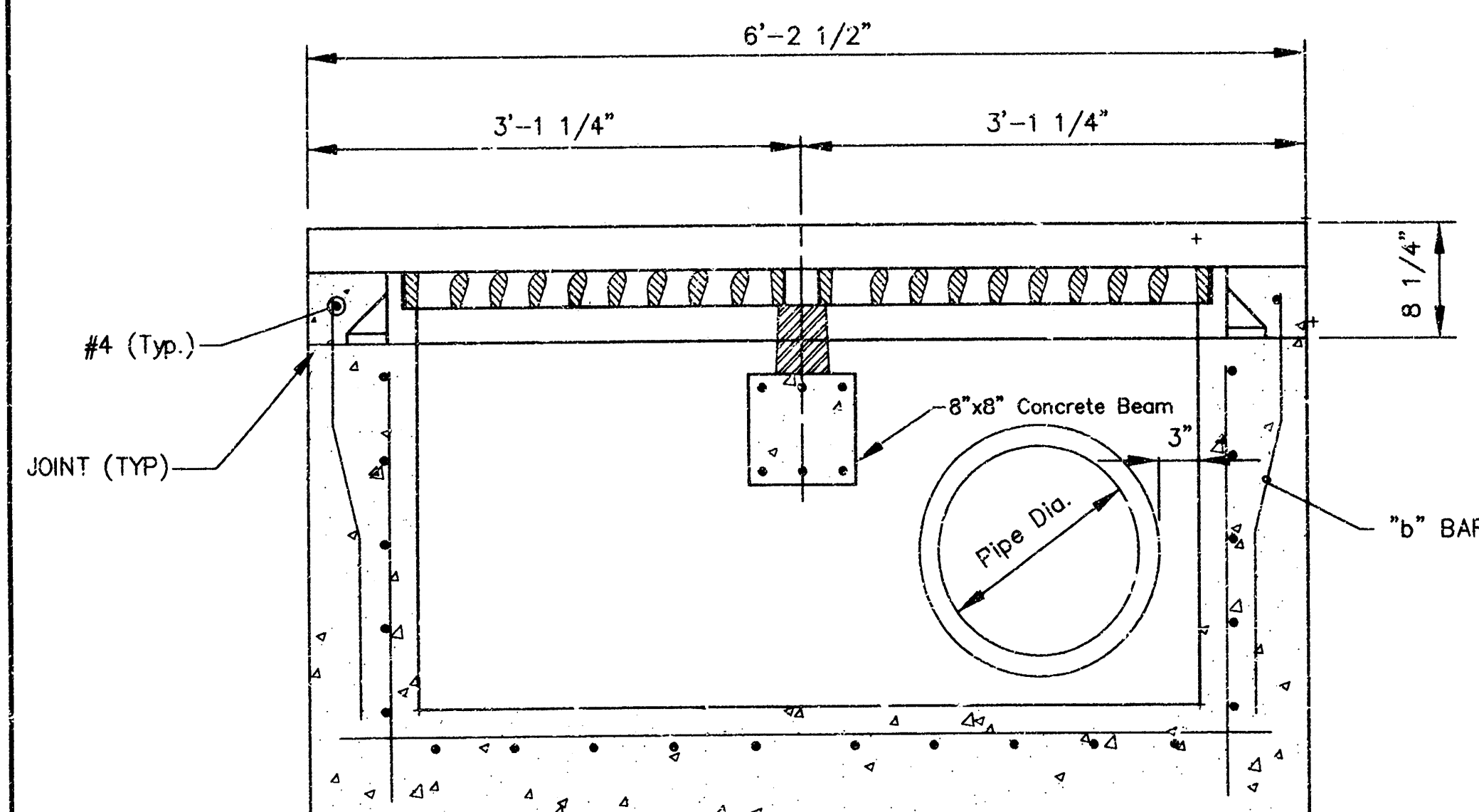
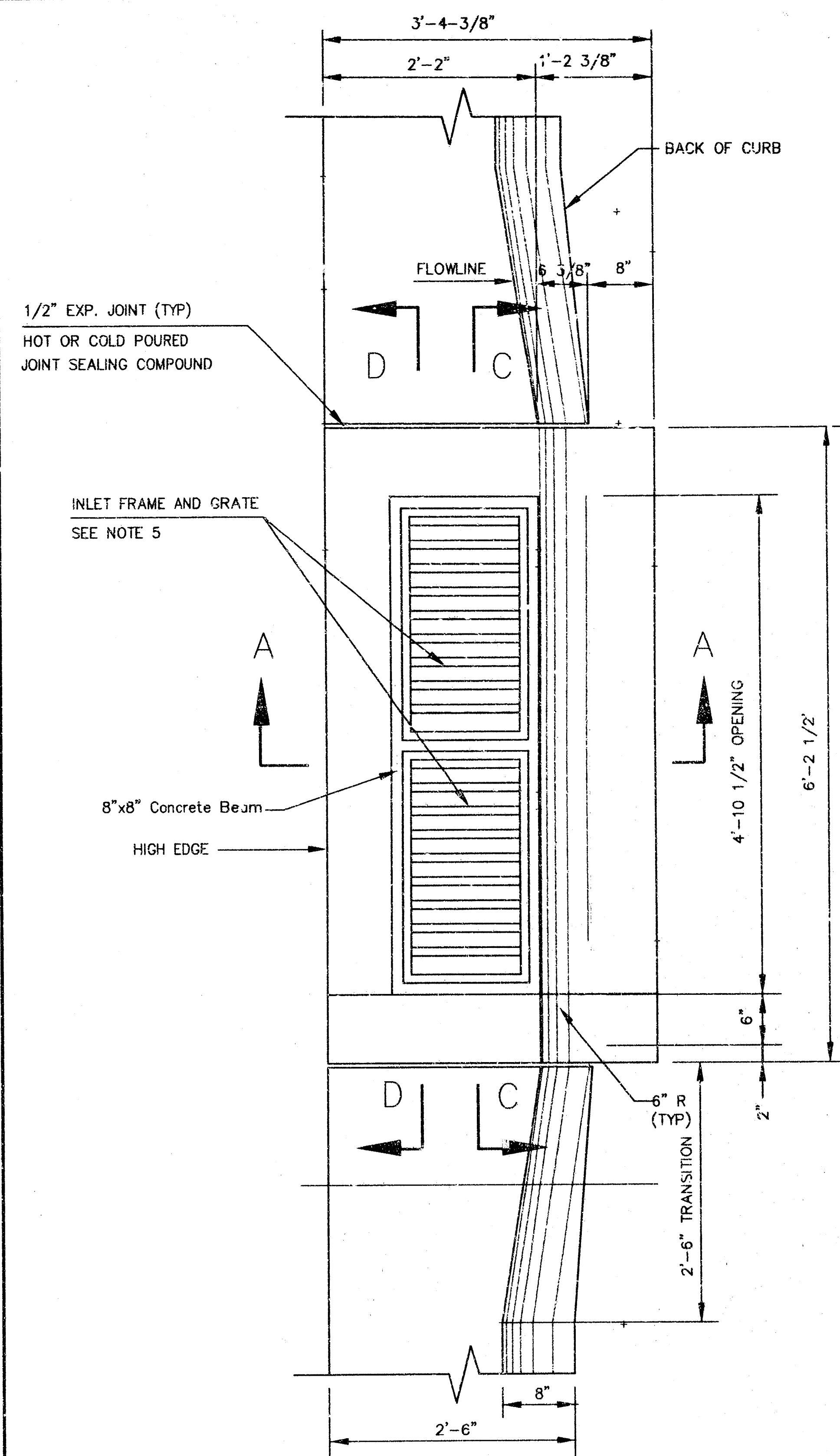
SAWED CONTRACTION JOINT



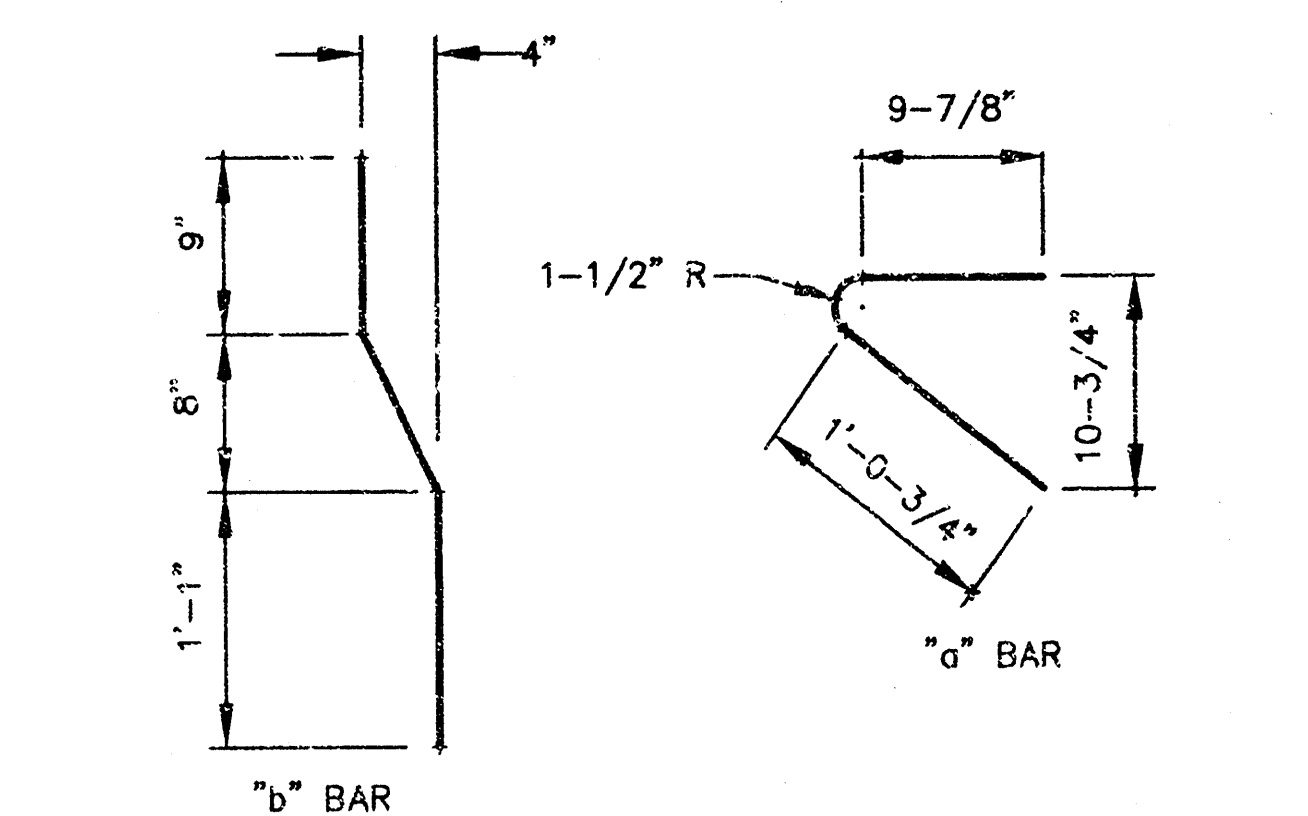
**NORTHROCK BUSINESS PARK
BUILDING 200 & 400**

**PAVING DETAILS
INDEX CODE 607861, USER CODE 718PPS**

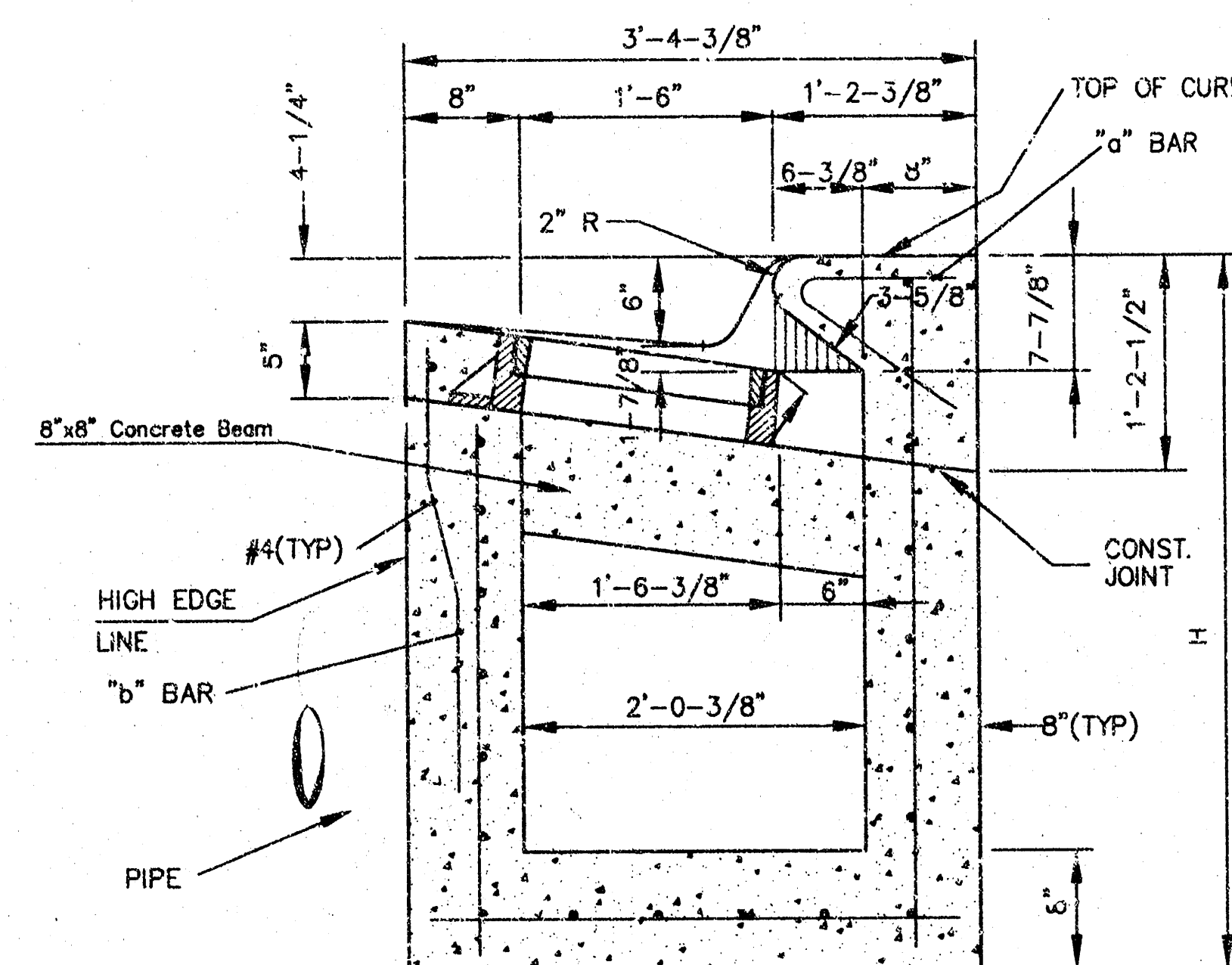
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DRAWN BY: CJR
CHECKED BY: JTC
DATE: MAY 1997
JOB NO.: PAVDL.DWG
SHEET OF: 2 / 4



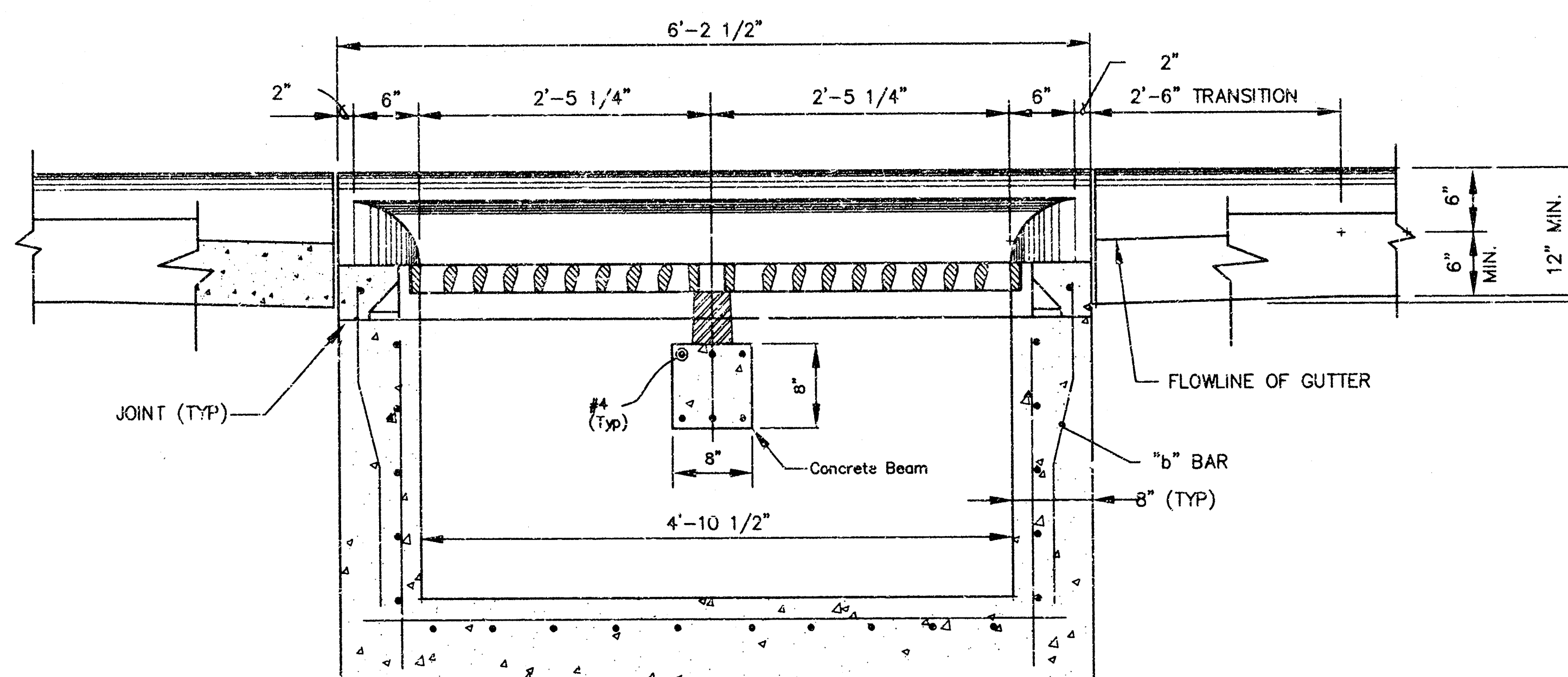
SECTION D - D



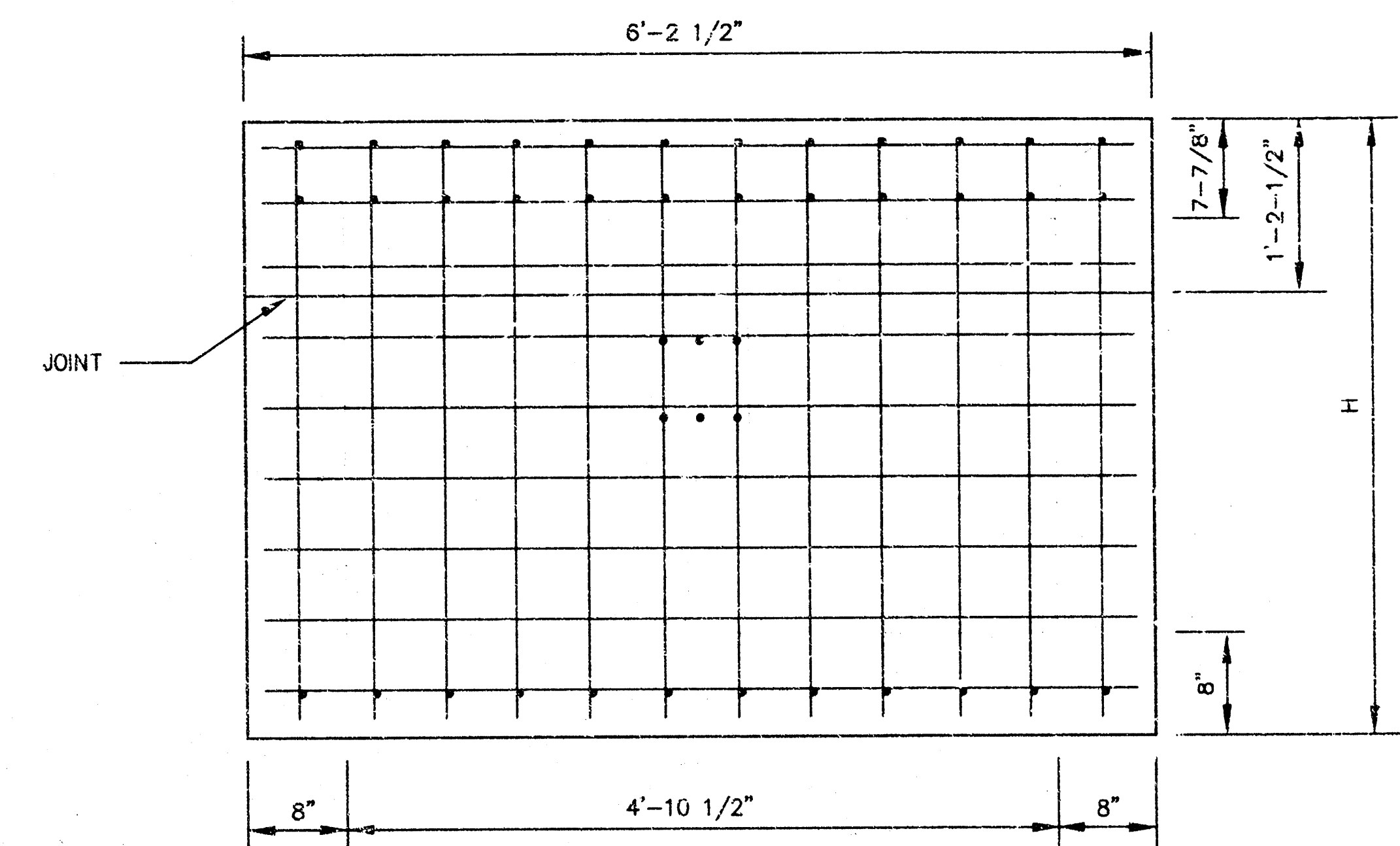
BENDING DIAGRAM



SECTION A - A



SECTION C - C

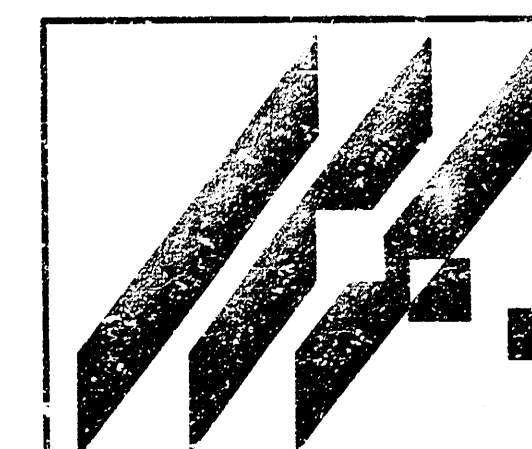


REBAR SIZES, SPACING, AND CLEARANCES PER NOTE 3.

REAR WALL

GENERAL NOTES

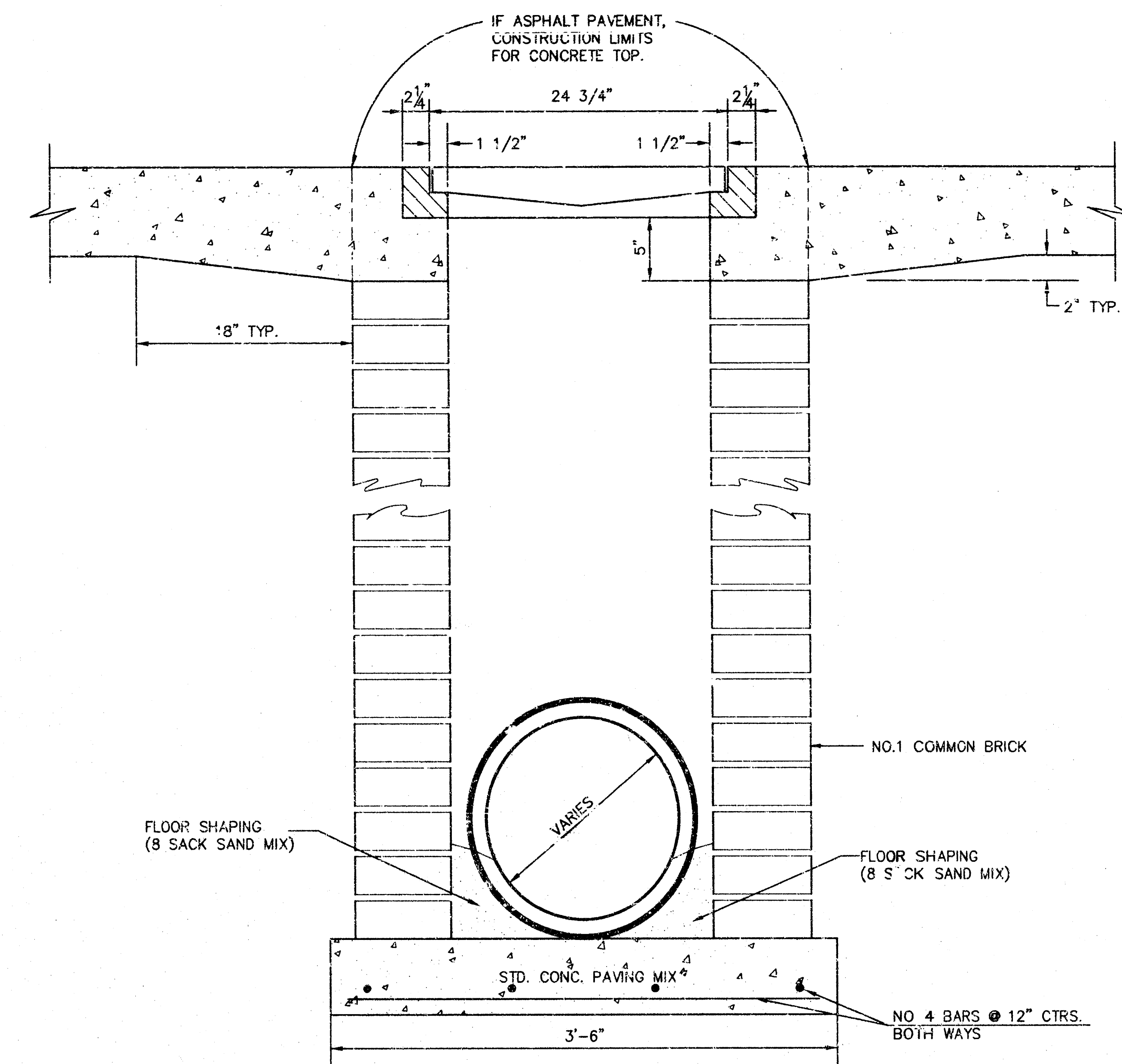
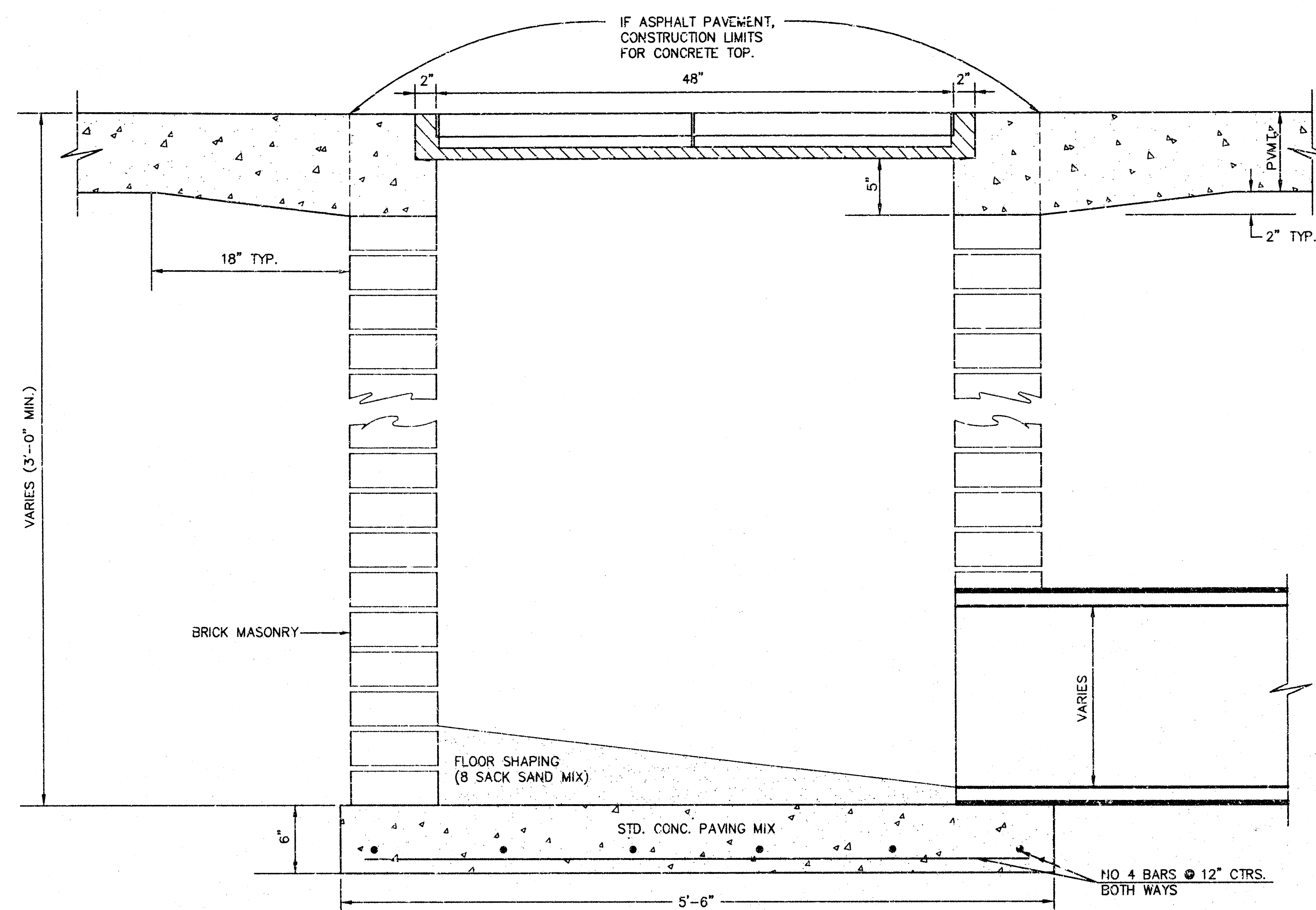
- USE THE CONCRETE MIX SPECIFIED FOR THE CITY OF WICHITA CONCRETE PAVEMENT THROUGHOUT. ALL EXPOSED EDGES SHALL BE FINISHED WITH AN EDGING TOOL.
- INLET INVERT SHALL BE SHAPED WITH 8 SACK MIX CONCRETE TO CREATE FLOW CHANNELS AND TO INCREASE HYDRAULIC EFFICIENCY SUCH THAT THE INLET WILL BE SELF CLEANING BETWEEN ALL INLET AND/OR OUTLET PIPES.
- ALL BARS ARE #4 WITH 6" SPACING AND SHALL HAVE A MINIMUM CLEARANCE OF 1-1/2" UNLESS OTHERWISE NOTED ON THE PLANS.
- NO DEDUCTIONS WILL BE MADE IN PAY LENGTH OF CURB, GUTTER, OR CURB AND GUTTER THROUGH THE INLET AREA.
- USE DEETTER 2441 INLET FRAMES WITH GRATES OR APPROVED EQUAL. INLET FRAMES TO BE PROOF LOAD TESTED TO 40,000 LBS. ON UNSUPPORTED SIDE.
- REINFORCING BARS SHALL BE CUT OR BENT AROUND PIPES. NO DEDUCTION IN CONCRETE QUANTITIES SHALL BE MADE FOR PIPE OPENINGS.
- THE VANES OF THE GRATE SHALL BE ORIENTED TO INTERCEPT FLOW FROM THE DIRECTION SHOWN BY FLOW ARROWS ON THE PLANS.



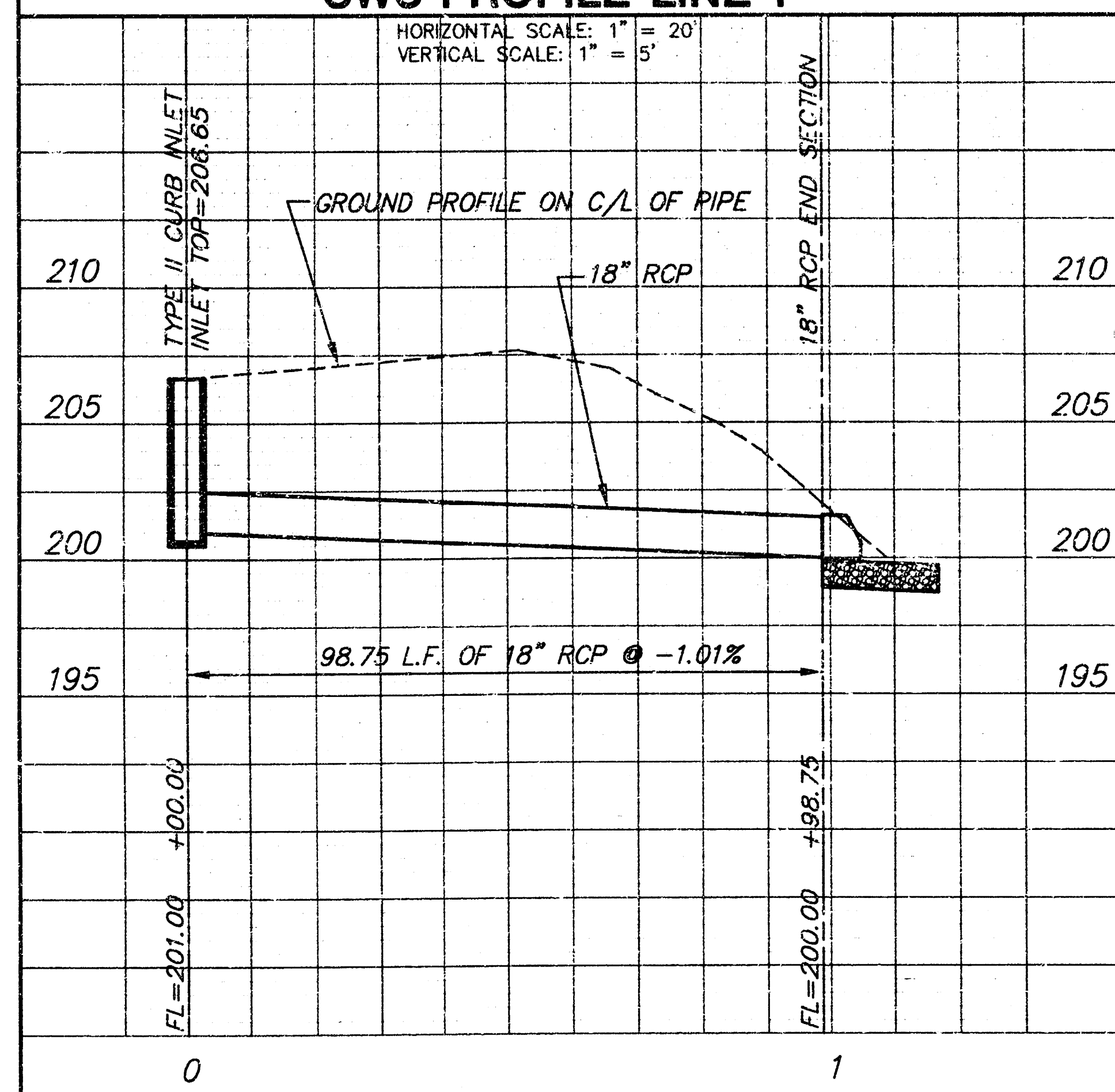
MID-KANSAS ENGINEERING
CONSULTANTS, INC.
411 N. WEBB ROAD
WICHITA, KS. 67206
316-684-9600

**NORTH ROCK BUSINESS PARK
BUILDING 200 & 400**
PROJECT NAME
TYPE II CURB INLET SWS DETAILS
INDEX CODE 607861, USER CODE 718PPS
SHEET TITLE

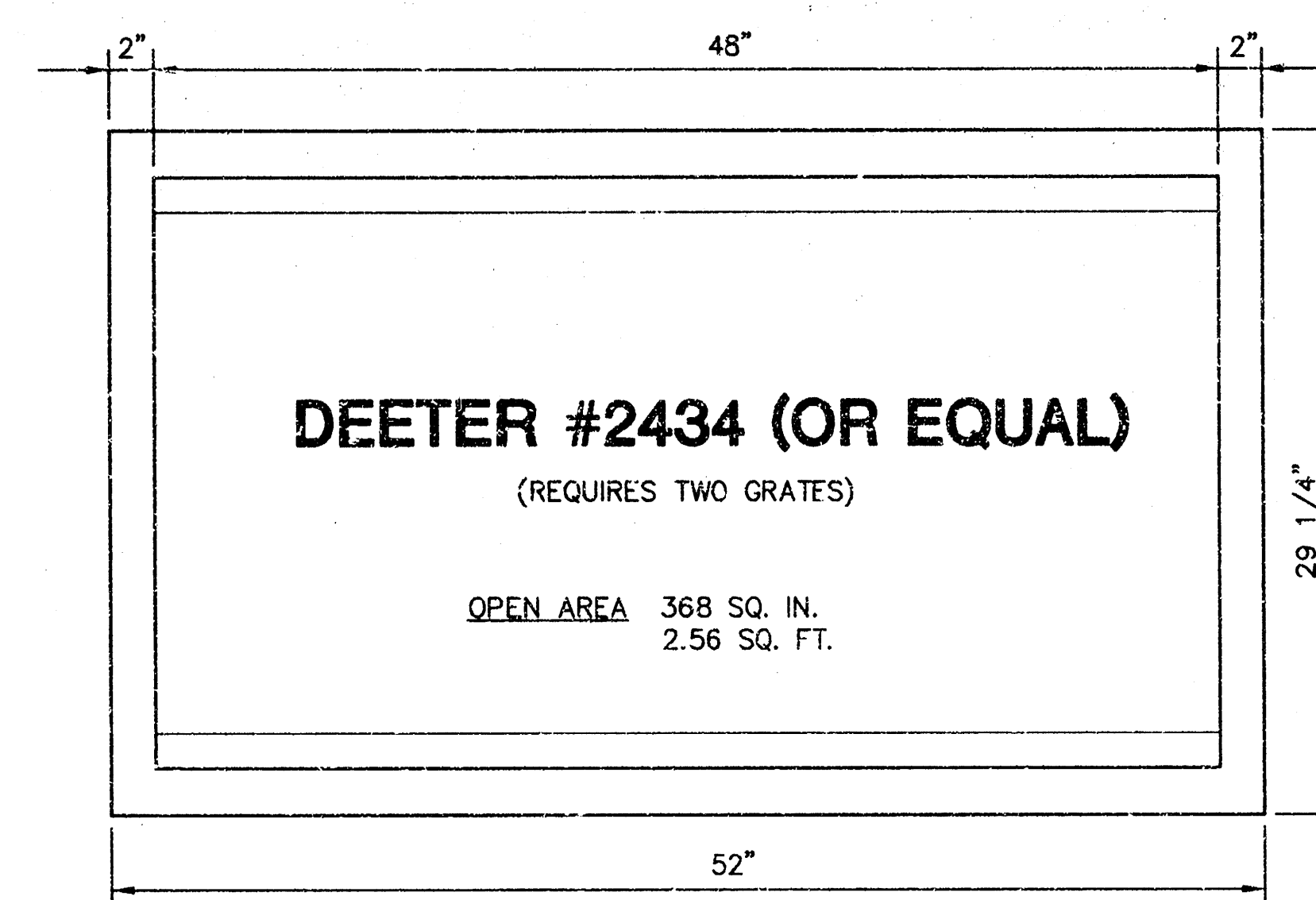
JTC
DESIGN BY: GJR
DRAWN BY: JTC
CHECKED BY:
MAY 1997
DATE: SWS DTL.DWG
JOB NO.: 3 / 4
SHEET OF



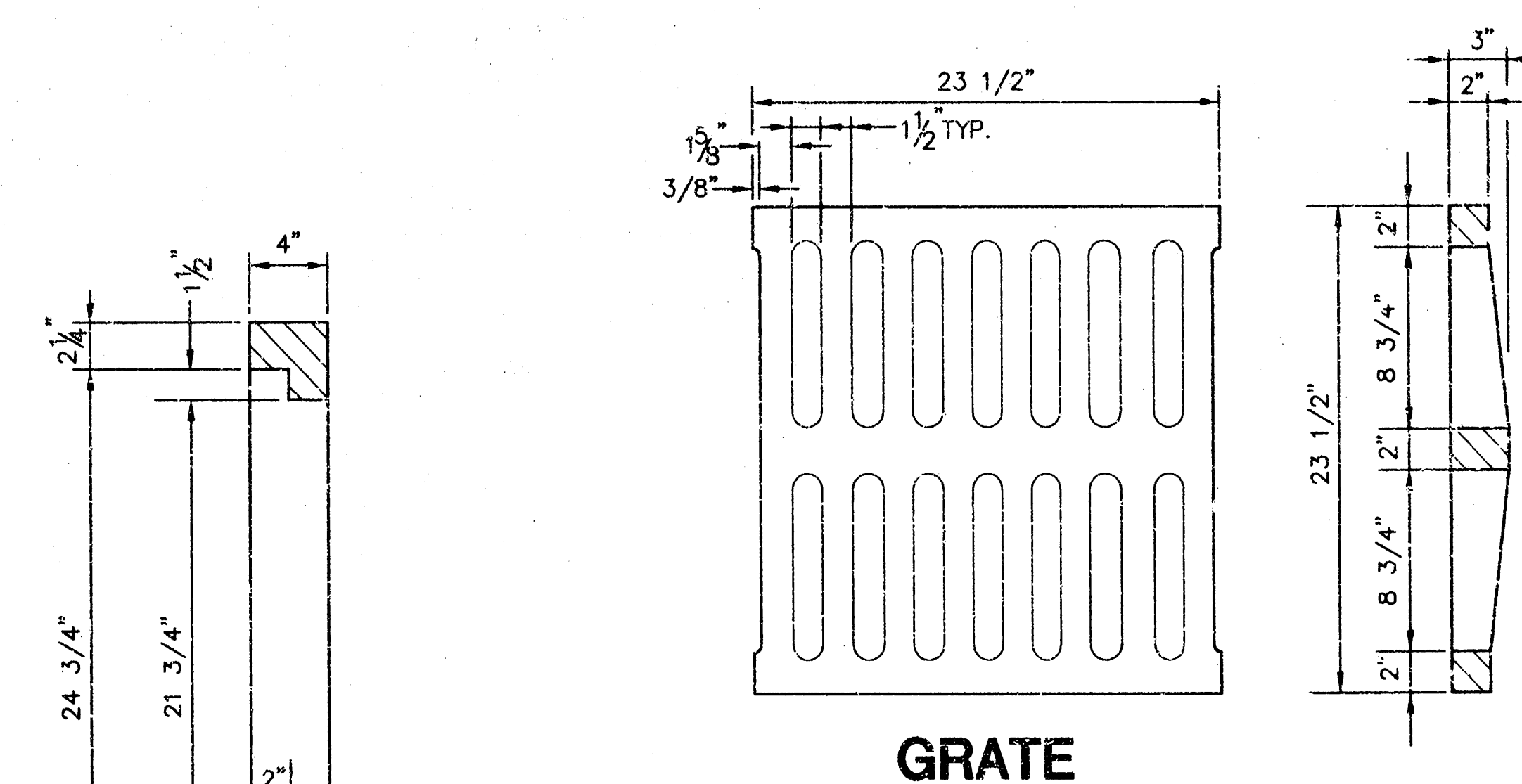
SWS PROFILE LINE 1



24"x24" FRAME & GRATE DETAIL



DOUBLE 24"x24" FRAME DETAIL



NORTH ROCK BUSINESS PARK
BUILDING 200 & 400

PROJECT NAME

DROP INLET SWS DETAILS
INDEX CODE 607861, USER CODE 718PPS

SHEET TITLE

MID-KANSAS ENGINEERING
CONSULTANTS, INC.
411 N. WEBB ROAD
WICHITA, KS. 67206
316-684-9600

JTC
DESIGN BY: JTC
DRAWN BY: JTC
CHECKED BY: JTC

MAY 1997
DATE

SWSDTL2.DWG
JOB NO. 18-13-1-3