

Site Benchmark: Chisled Cross at the eastern most Southeast corner of Lot 1, Block 1, Newmarket Square. Elevation = 1351.54 (Mean Sea Level)

- GENERAL GRADING NOTES**
- PROVIDE TO INSTALLATION OF STORM OR SANITARY LINES. THE CONTRACTOR SHALL OBTAIN NECESSARY PERMITS AND APPROVALS FROM THE OWNER AND THE JURISDICTION OF ANY QUALIFIED AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF EXISTING UTILITIES. IN THE EVENT THE ENGINEER IS NOT NOTIFIED OF EXISTING UTILITIES, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF EXISTING UTILITIES.
 - CONTRACTOR HAS THE OPTION TO USE THE FOLLOWING MATERIALS FOR THE STORM SEWER SYSTEM EXCEPT WHERE SPECIFIED OTHERWISE. ALL PIPE SHALL HAVE A MINIMUM POLYMER SAND BEDDED JOINT. ALL PIPE SHALL BE EXCEPT THE PIPE MANUFACTURER'S RECOMMENDATIONS FOR MINIMUM AND MAXIMUM COVER. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY CHANGES TO THE SPECIFICATIONS SECTION FOR STORM SEWER SYSTEMS FOR ACCEPTABLE TYPE AND MATERIALS.
 - ALL SLOPES AND AREAS DISTURBED BY CONSTRUCTION SHALL BE GRADED TO MATCH EXISTING GRADE OR TO BE GRADED TO A MINIMUM OF 2% TO THE NEAREST. PROVIDE TYPICAL APPROVED BY THE OWNER AS SHOWN. THE AREA SHALL BE RESEED, FERTILIZED, MULCHED, WATERED AND MAINTAINED UNTIL HARDY GRASS GROWTH IS ESTABLISHED. ALL AREAS ARE TO BE RESEED, FERTILIZED, MULCHED, WATERED AND MAINTAINED UNTIL HARDY GRASS GROWTH IS ESTABLISHED. ANY AREAS DISTURBED FOR ANY REASON SHALL BE RESTORED TO ORIGINAL CONDITION OR BETTER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF EXISTING UTILITIES.
 - THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE NEAREST UTILITY COMPANIES, AND IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CONTACT THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE AN EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES.
 - UNLESS OTHERWISE SHOWN, CALLED OUT OR SPECIFIED HEREON OR WITHIN THE SPECIFICATIONS. ALL STORM DRAIN PIPE BEGGING SHALL BE INSTALLED PER DETAIL 28A.
- GRADING DETAILS**
- SA GUARD POST (SINGLE)
 - 14A CONCRETE SHALE
 - 14C CONCRETE SHALE IN PAVED AREA
 - 14B RIB-RAP PAD (SEE SIZE THIS SHEET)
 - 20A JUNCTION BOX
 - 21A STORM INLET
 - 22A MANHOLE
 - 23A GRADE INLET
 - 6 STORM DRAIN CLEAN-OUT
 - 47B P.O.C. LOCATION
- GRADING NOTES**
- 80 FLARED END SECTION
 - 18A EXISTING TO BE REMOVED
 - 18C EXISTING TO EXISTING STORM DRAIN MANHOLE OR INLET
 - 19D MATCH EXISTING PAVEMENT ELEVATIONS
 - 19E CONNECT TO EXISTING STORM DRAIN PIPE
 - 19A EXISTING TO REMAIN
 - 19F AGAINST MANHOLE RIM TO MATCH FINISH GRADE
 - 519 LIMITS OF SAWCUT AND PAVEMENT REMOVAL
 - 73A PLUS
 - 73B CONTRACTOR TOP PROVIDES ALTERNATE BID PER TABLE ON GRADING PLAN

LEGEND

EXISTING	PROPOSED
1" = 1" Scale	BOUNDARY LINE
2" = 1" Scale	RIGHT OF WAY LINE
3" = 1" Scale	GRADE BREAK
4" = 1" Scale	CONTOUR ELEVATIONS
5" = 1" Scale	STORM DRAIN
6" = 1" Scale	LIMITS OF PAVING
7" = 1" Scale	SPOT ELEVATIONS TO = TOP OF CURB
8" = 1" Scale	SPOT ELEVATIONS TO = OUTER

THE STORM SEWER FOR THIS PROJECT, WICHITA #1036 PPS(OCA#607861) HAS BEEN CERTIFIED BY MR. HARLAN D. FORAKER, P.E. OF CERTIFIED ENGINEERING DESIGN, P.A. AS-BUILT NOTATIONS, CERTIFICATE OF COMPLETION, INSPECTION REPORT, TELEVISION TAPE AND LOG REPORT WERE PREPARED BY MR. FORAKER. ALSO, A SIGNED AND SEALED MAYLAR IS PREPARED BY CEI FOR THE CITY RECORD BASED ON INFORMATION PROVIDED BY CERTIFIED ENGINEERING DESIGN, P.A.

CITY OF WICHITA, KANSAS
PRIVATE PROJECT 1085 PPS(607861)

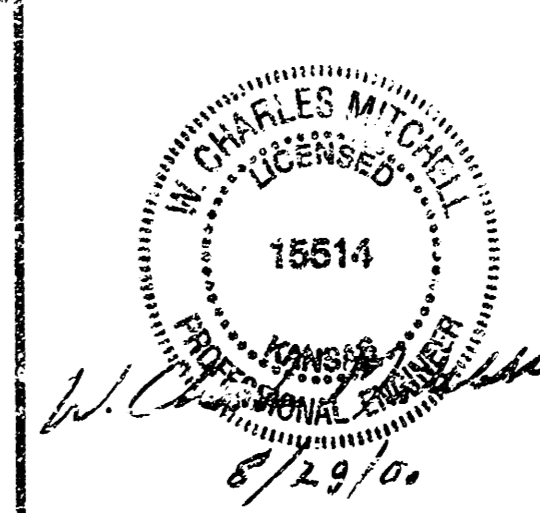
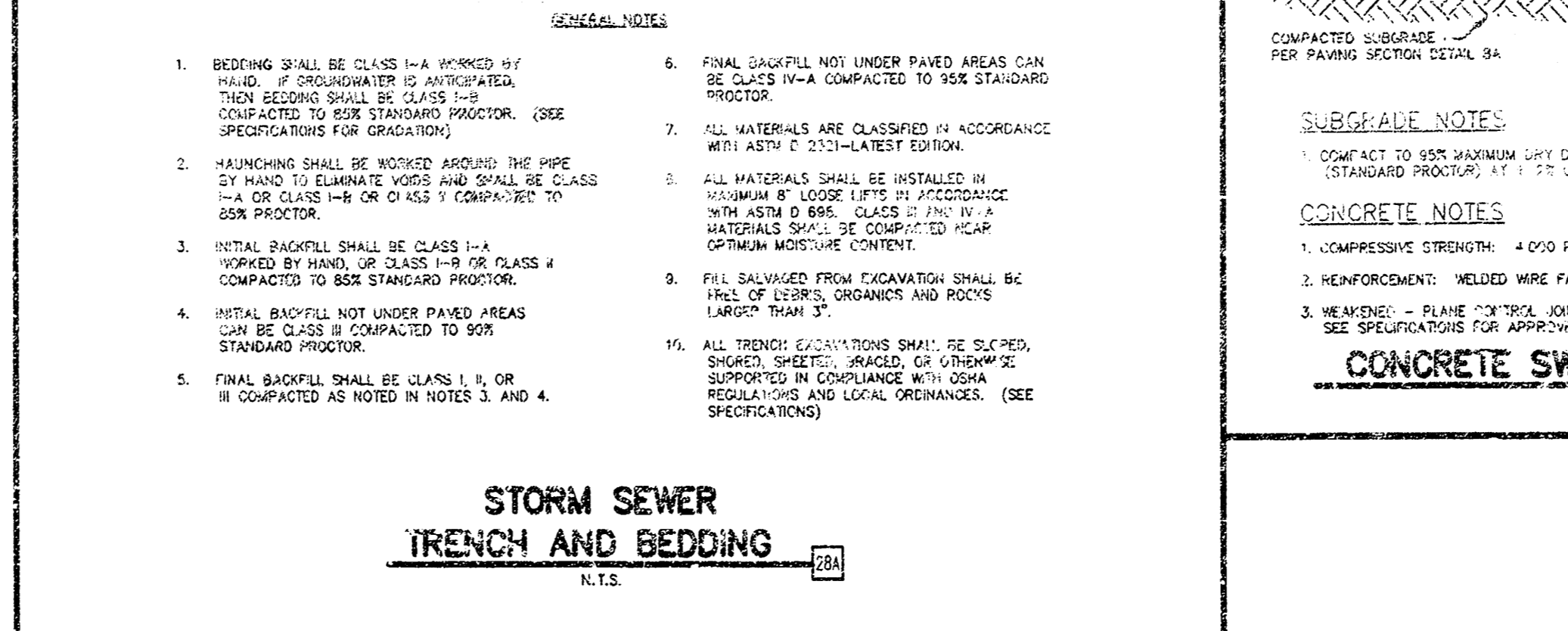
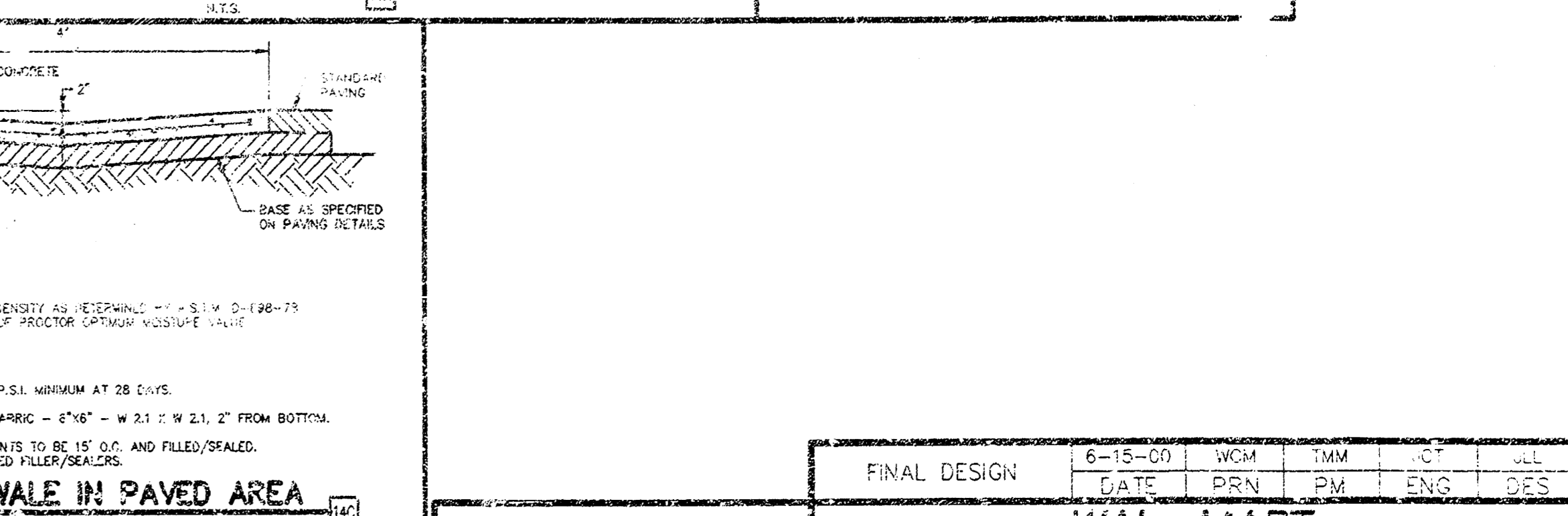
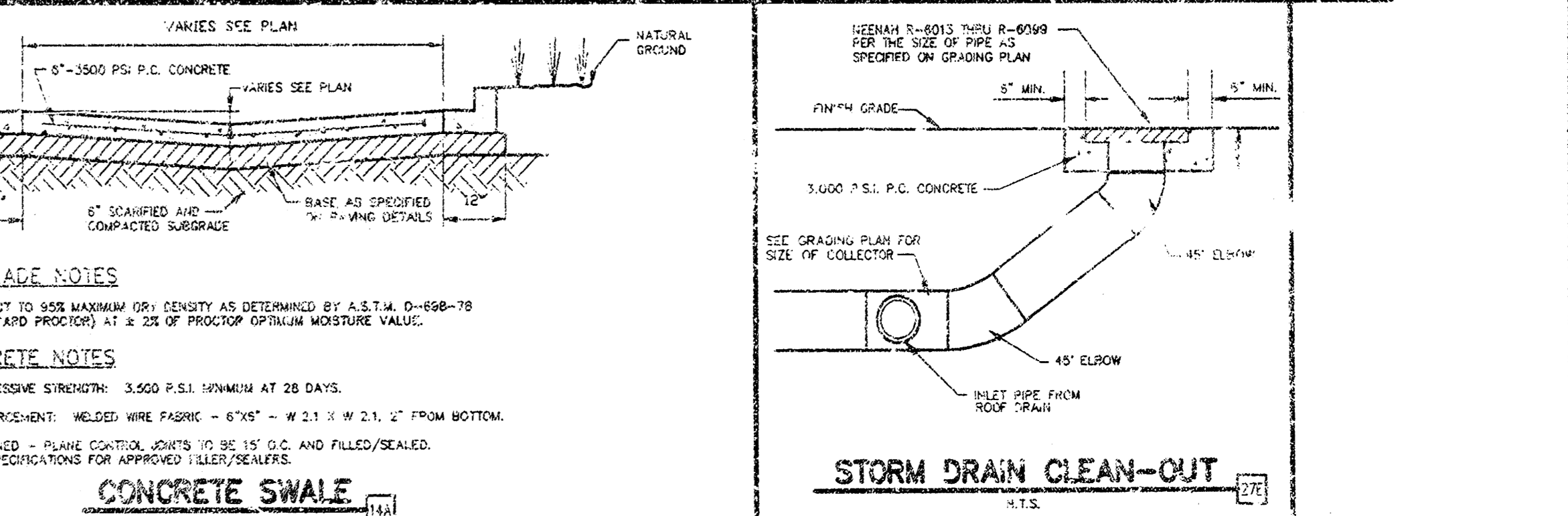
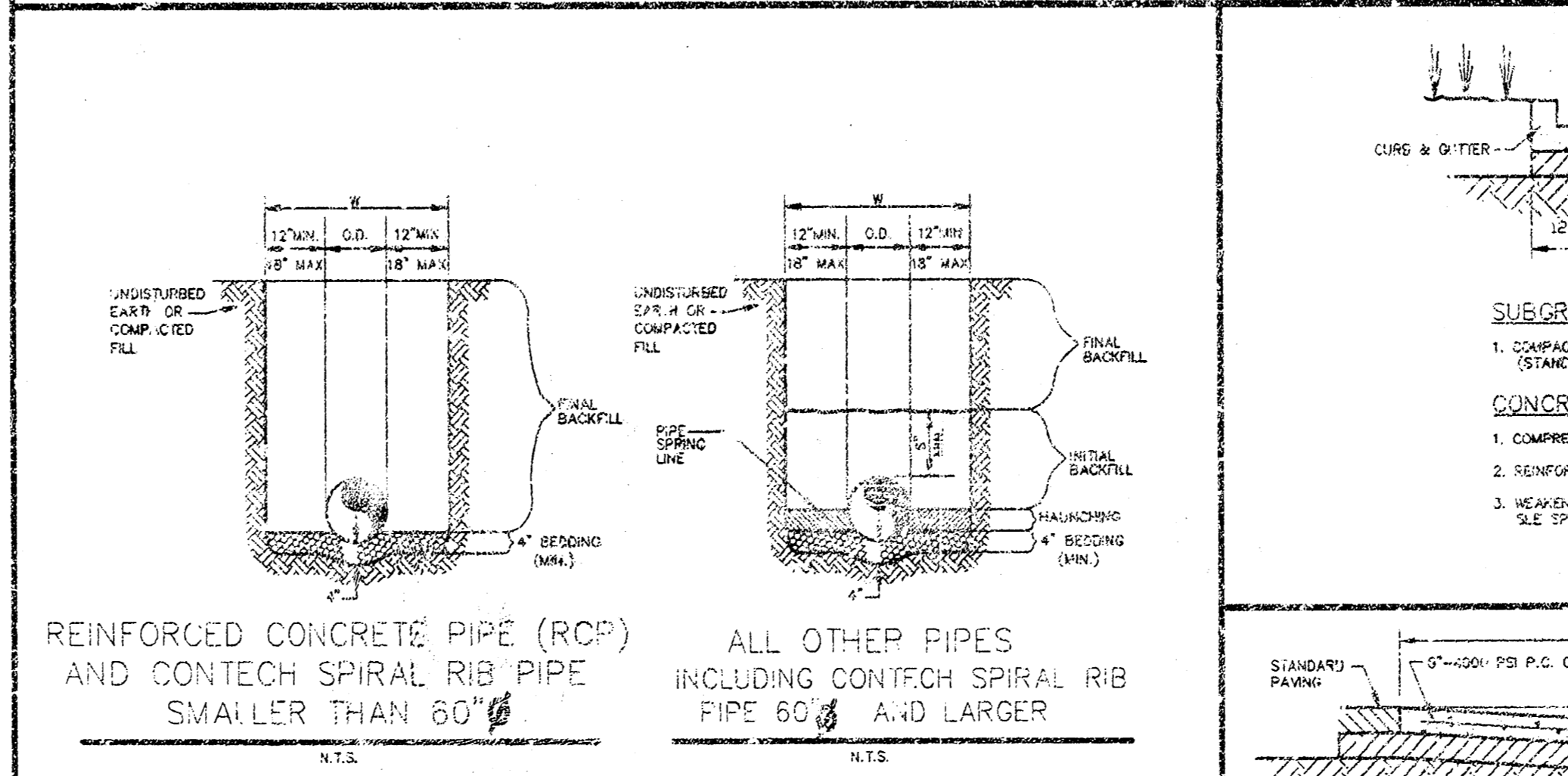
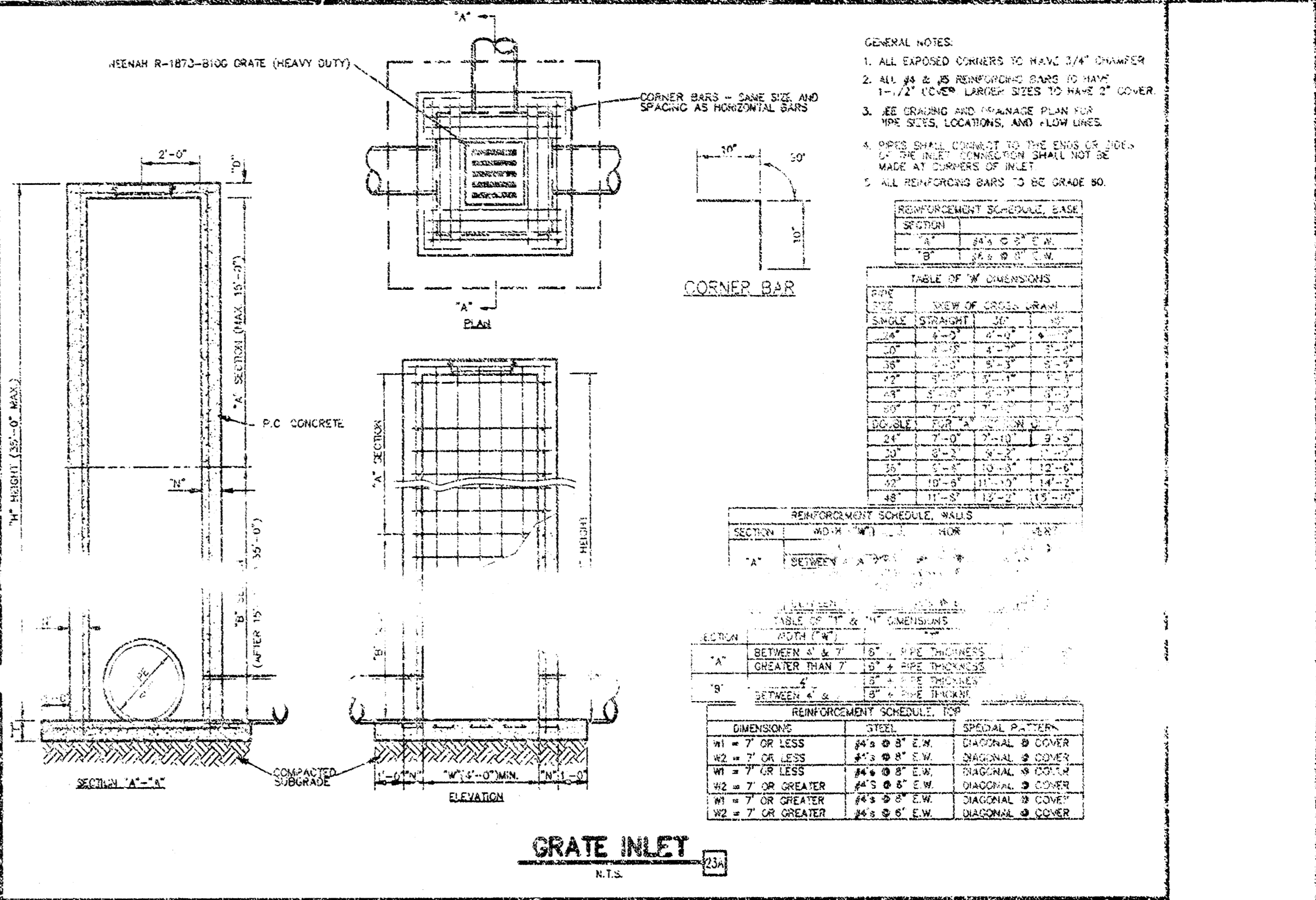
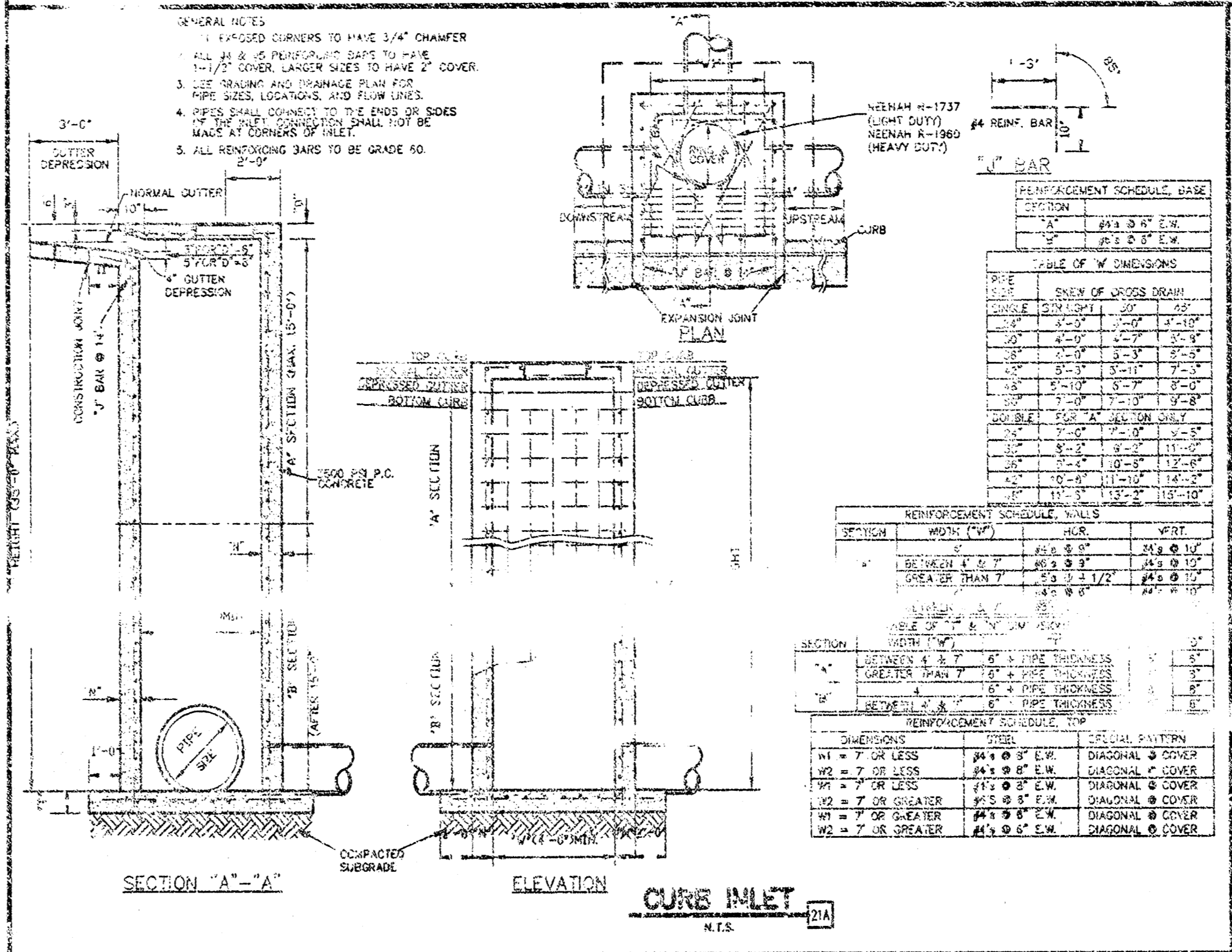
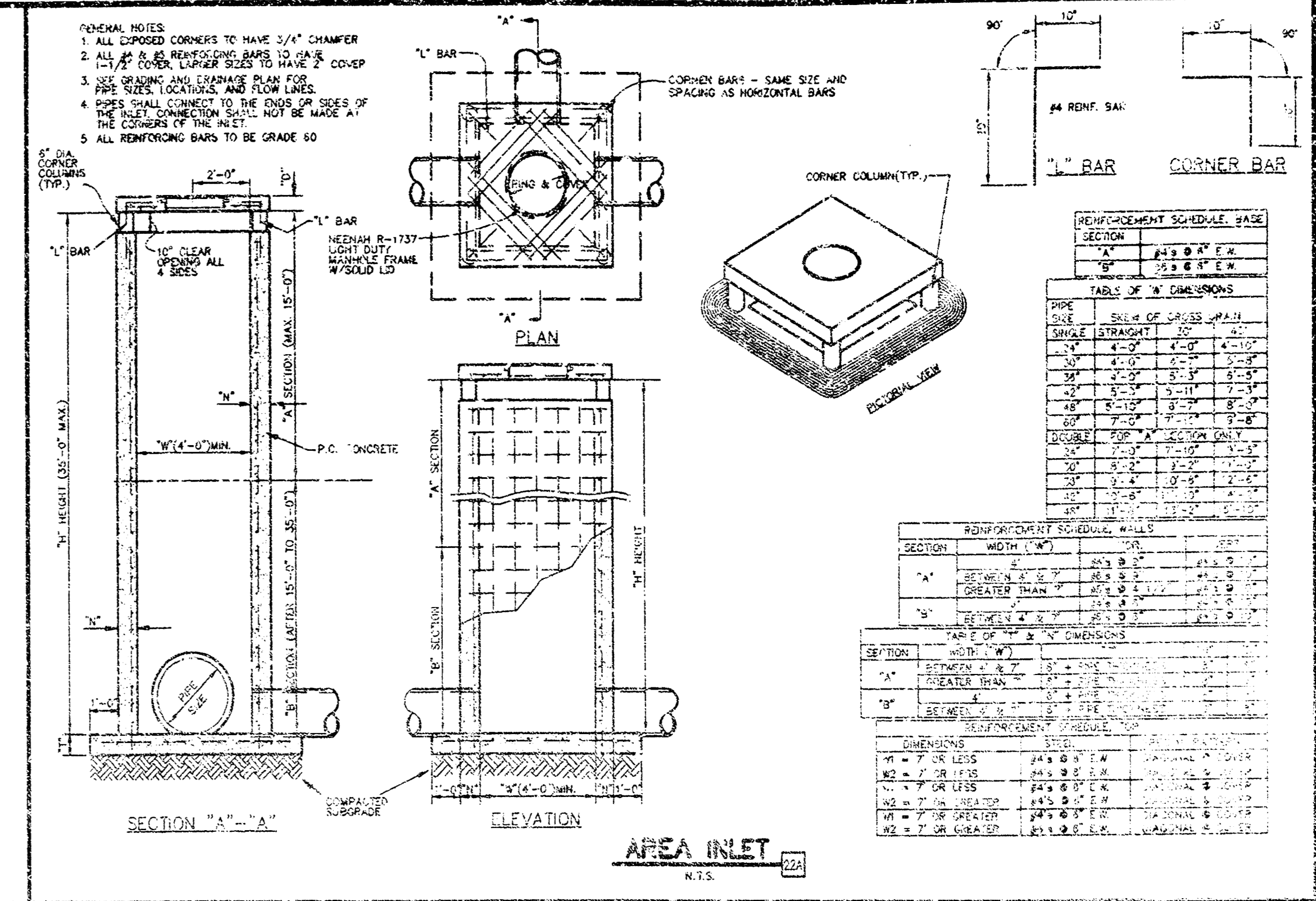
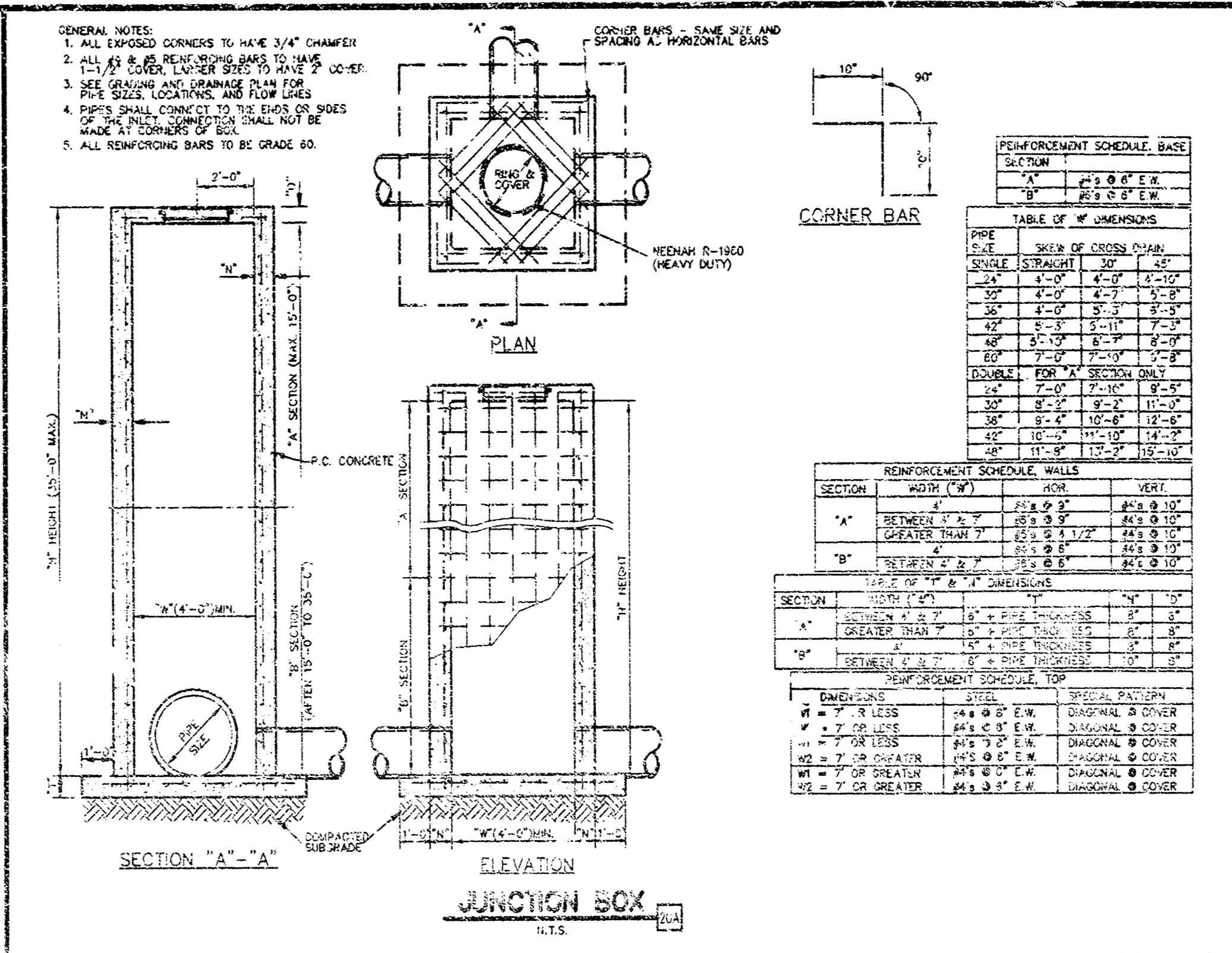
INITIAL DESIGN 1-29-03 WCM WCM HOY HOY
DATE PRN PM DES DRW

**WAL-MART
SUPERCENTER #3283-00**

CEI ENGINEERING ASSOCIATES, INC
ENGINEERS PLANNERS SURVEYORS

3317 SW 7th Street (479) 273-9472 JOB NO: 15242.C
Bentonville, AR 72712 FAX (479) 273-0844 DWG NAME: 5242PROJ

STORMWATER PLAN DATE SHEET NO.
21ST STREET & MAIZE ROAD 01-29-03 9 of 4
WICHITA, KANSAS 10:55 AM AS-BUILT



FINAL DESIGN

DATE	WCM	TMM	J.C.	JLL
DATE	DRN	PM	ENG	DES

WAL-MART SUPERCENTER #3283-00

ENGINEERING ASSOCIATES, INC.

ENGINEERS PLANNERS SURVEYORS

110 W. Central Ave.
Bentleyville, AR 72712
(501) 273-5472
FAX (501) 273-0844

DETAIL SHEET
21ST STREET & MAIZE ROAD
WICHITA, KANSAS

JOB NO.: 15242.0
DATE: 08-25-00
SHEET NO.: 4 OF 4

8/29/00