

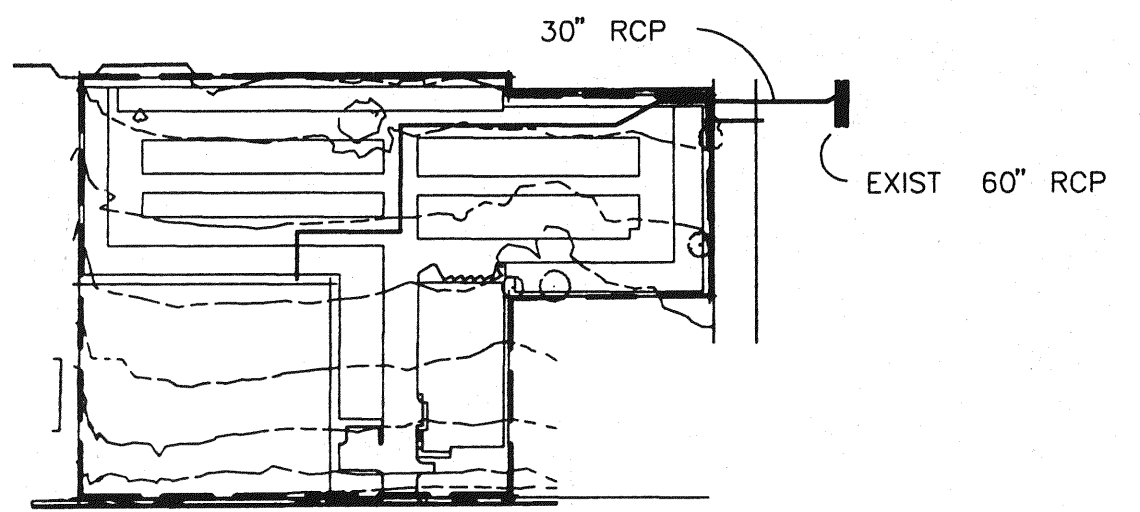
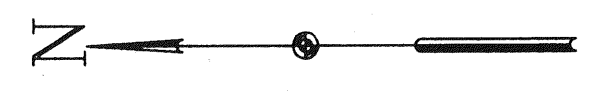
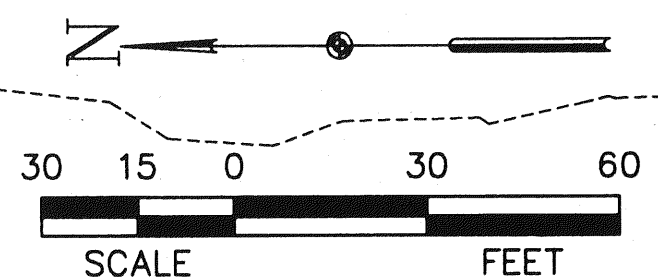
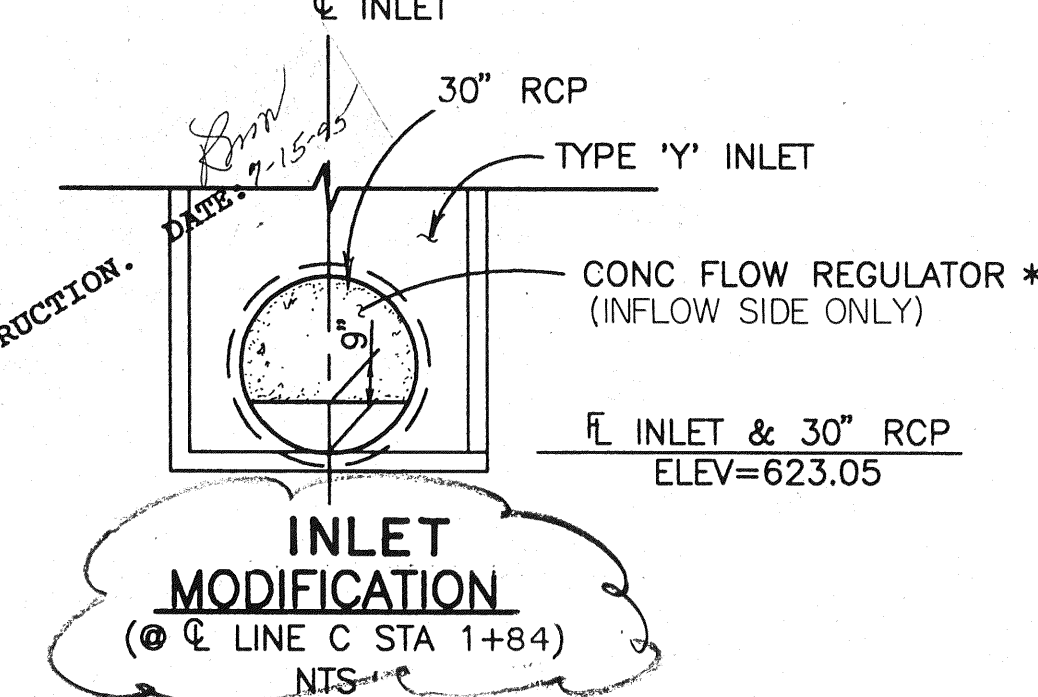
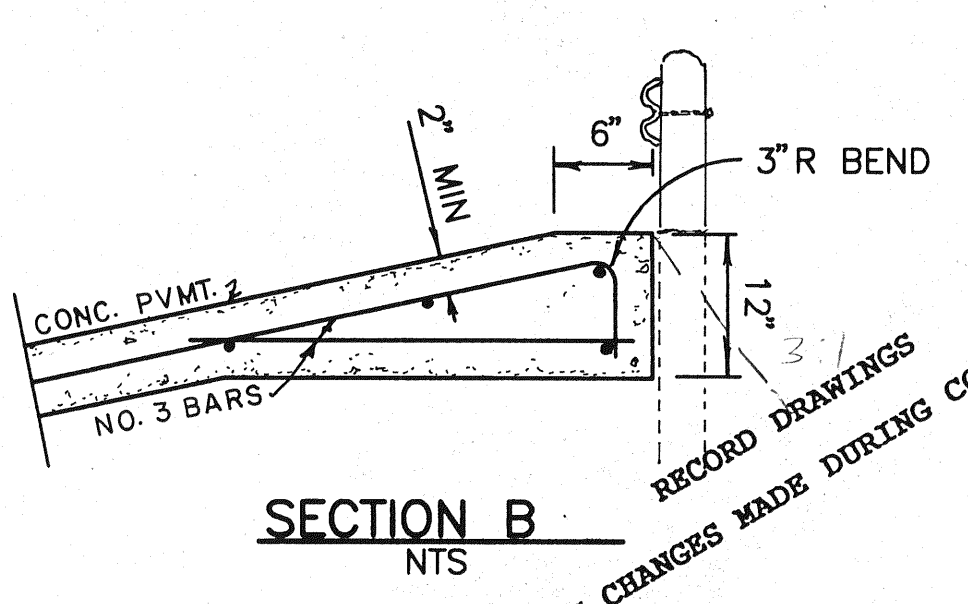
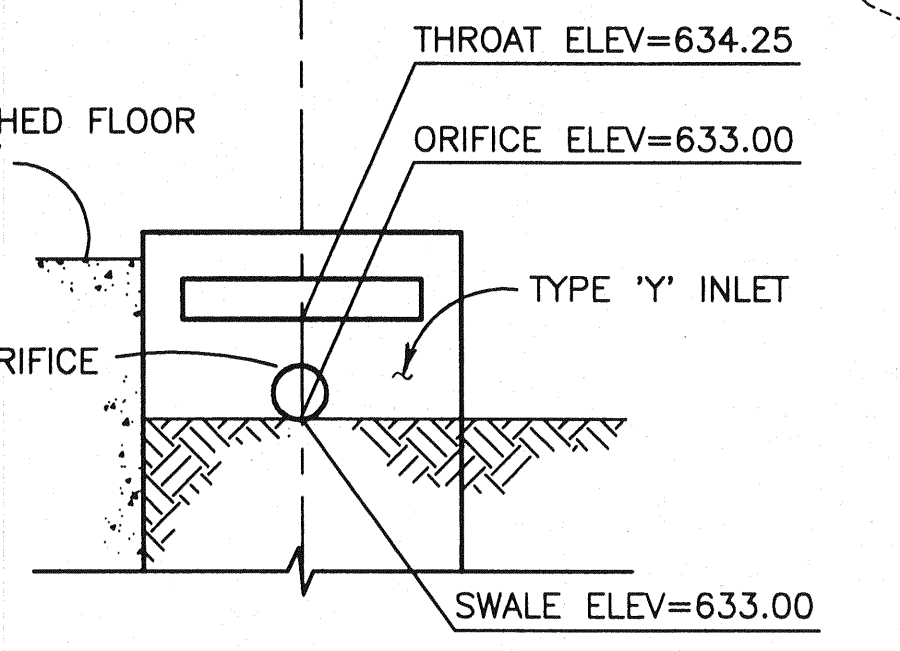
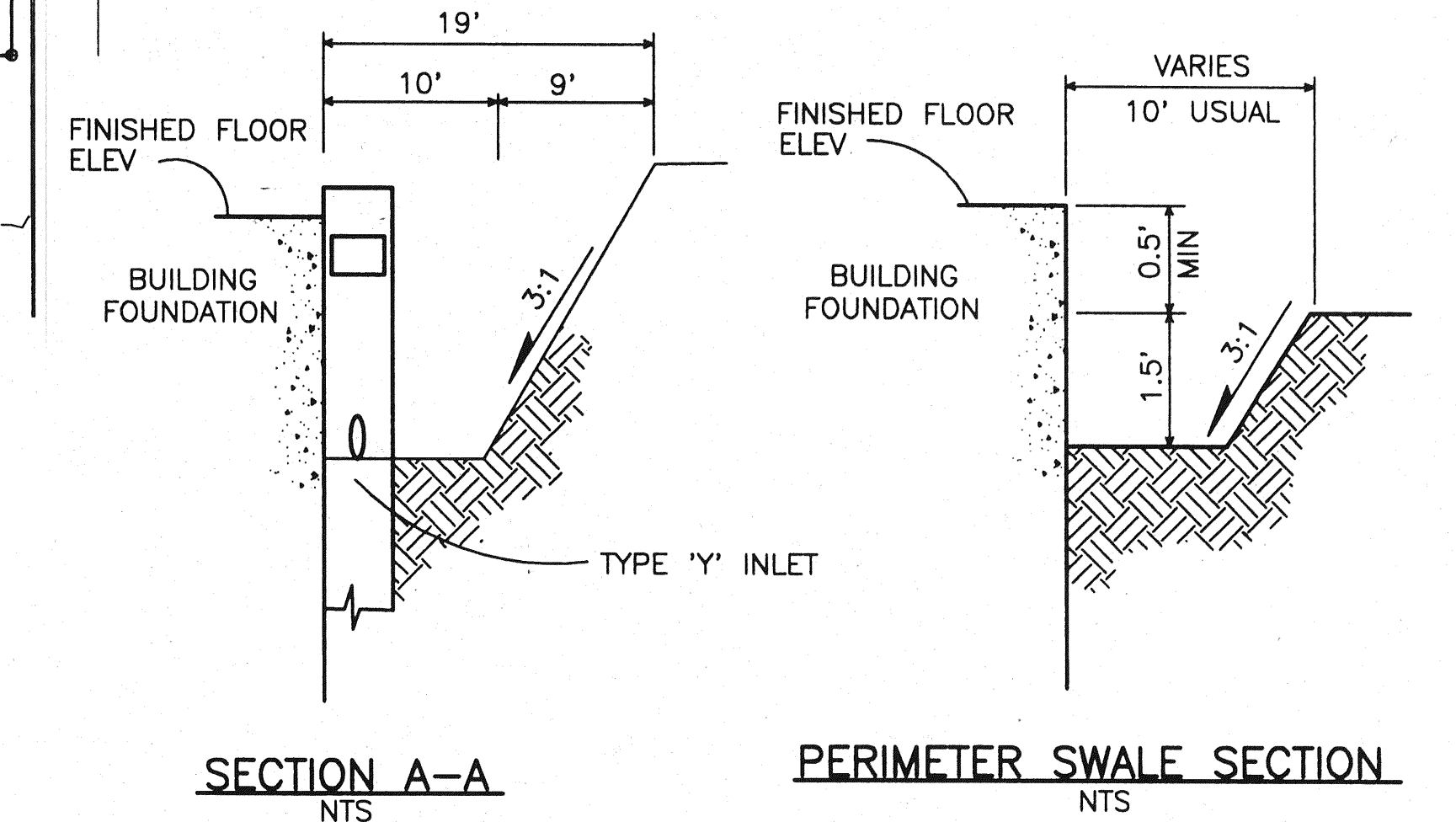
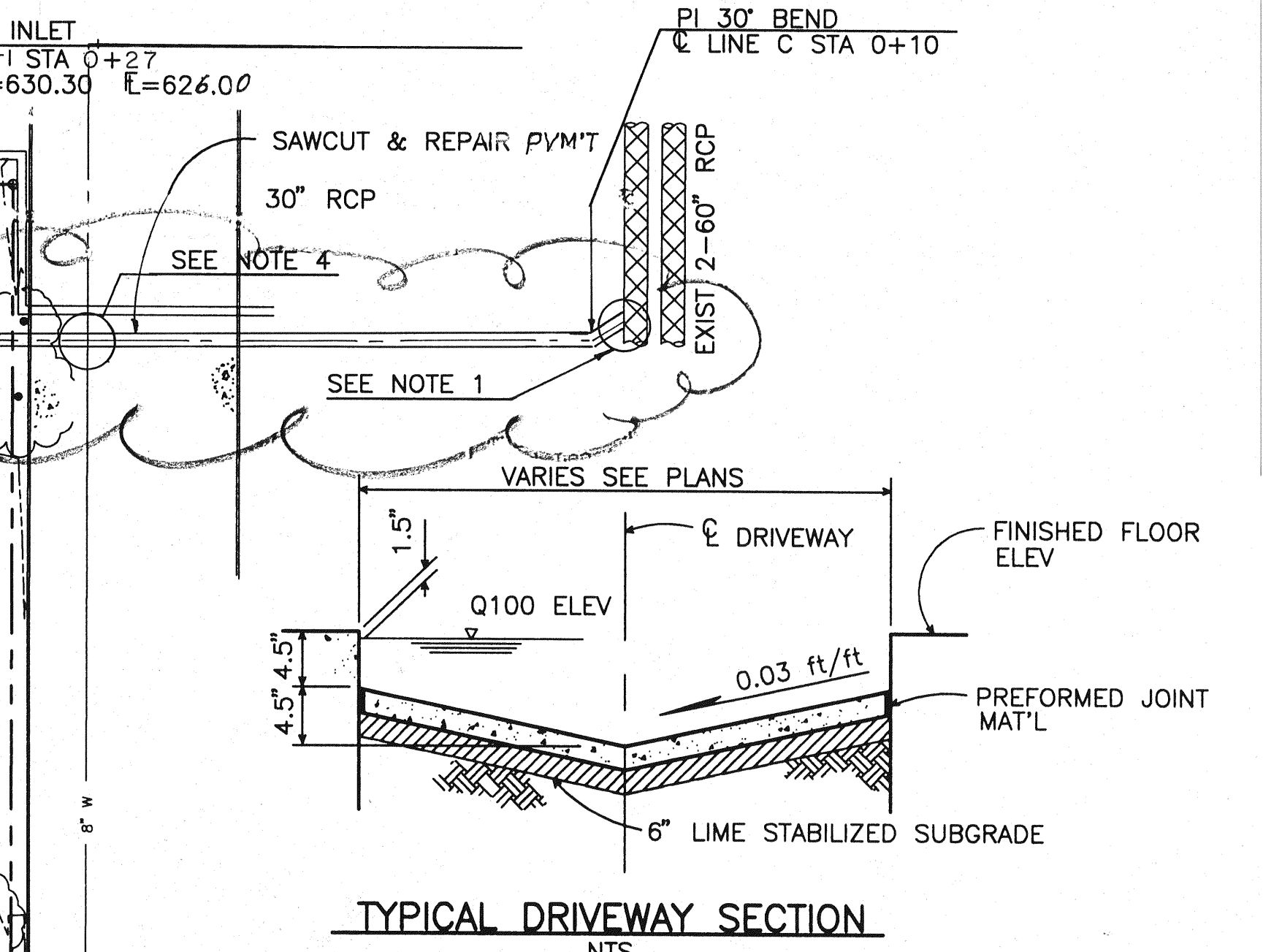
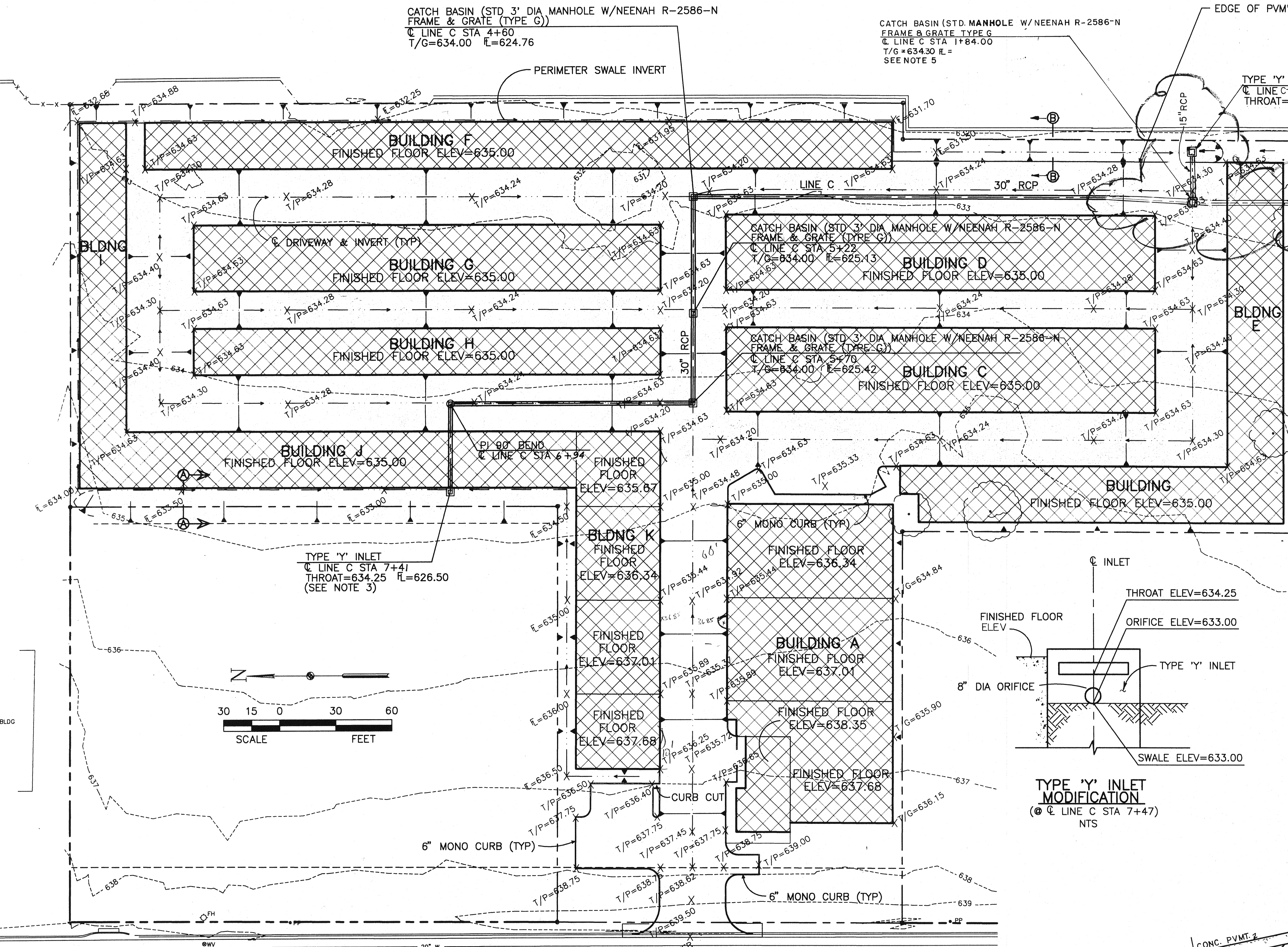
CATCH BASIN (STD 3' DIA MANHOLE W/NEENAH R-2586-N
FRAME & GRATE (TYPE G))
C LINE C STA 4+60
T/G=634.00 E=624.76

CATCH BASIN (STD. MANHOLE W/NEENAH R-2586-N
FRAME & GRATE TYPE G
C LINE C STA 1+84.00
T/G=634.30 E=626.76
SEE NOTE 5

EDGE OF PVM'T ELEV=634.88

TYPE 'Y' INLET
C LINE C STA 0+27
THROAT=630.30 E=626.00

PI 30' BEND
C LINE C STA 0+10



DRAINAGE AREA CALCULATIONS

	AREA (AC)	C	I ₁₀₀ (IN/HR)	Q ₁₀₀ (CFS)	RQ'D DETENTION BASIN STORAGE
EXISTING	5.47	0.4	8.80	19.26	-
DEVELOPED	5.47	0.9	8.80	43.33	30400 CF

LEGEND

- > DIRECTION OF FLOW
- > SLOPE INDICATOR
- DETENTION BASIN LIMITS

AVAILABLE DETENTION BASIN STORAGE

	ONSITE (SURFACE)	ONSITE (SUBSURFACE)	OFFSITE (SWALE)	TOTAL
24155 CF	6025 CF	2810 CF	32990 CF	

BENCHMARK:
BRASS CAP @ CURB INLET ON WEST SIDE OF ADDISON RD
250' +/- SOUTH OF MOST WESTERLY SOUTHWEST PROPERTY
CORNER. ELEV=638.65

- NOTES:**
- EXACT HORIZONTAL & VERTICAL LOCATION OF 60" RCP TRUNK IS UNKNOWN. CONTRACTOR SHALL LOCATE EXIST TRUNK & INSTALL LINE C AS SHOWN ON PLAN. MATCH INTO EXIST 60" RCP TRUNK TO PROVIDE A 0.22% MIN GRADE ALONG LINE C.
 - ALL STORM DRAIN PIPE AND INLETS WILL BE CONSTRUCTED ACCORDING TO THE REQUIREMENTS OF THE STANDARD CONSTRUCTION DETAILS, FILE 251D-1 (CITY OF DALLAS STANDARD DETAILS).
 - MODIFY TYPE 'Y' INLET WALLS TO PROVIDE THREE (3) 8" DIA ORIFICES (1 EA EXPOSED WALL) TO ACCOMMODATE POSITIVE DRAINAGE OF DETENTION BASIN. E OF 8" ORIFICES WILL BE ELEV 633.00 & LOCATED AT THE C OF EACH WALL.
 - IF FIELD VERIFICATION INDICATES A CONFLICT BETWEEN STORM SEWER AND WATER LINE, WATER MAIN SHALL BE LOWERED PER CITY OF ADDISON SPECIFICATIONS.
 - INSTALL CONCRETE FLOW REGULATOR @ INFLOW SIDE (ONLY) OF INLET. (SEE DETAIL THIS SHEET)

REVISED TO REFLECT KNOWN CHANGES MADE DURING CONSTRUCTION.

NEEDHAM WRIGHT LASKEY ENGINEERS INC.
10290 MONROE DRIVE
SUITE 305
DALLAS, TEXAS, 75229
PH. 214.357.2981
JOB NO. 84-403 SHEET NO.

GRADING & DRAINAGE PLAN

ADDISON ROAD SELF STORAGE
ADDISON ROAD, ADDISON TEXAS
ADDISON ROAD SELF STORAGE LIMITED PARTNERSHIP

Rev. 10-19-94

DRAWN	DESIGN	DATE	SCALE	NOTES	FILE	SHEET
CSC	CSC	5/04/94	1" = 30'			C-2