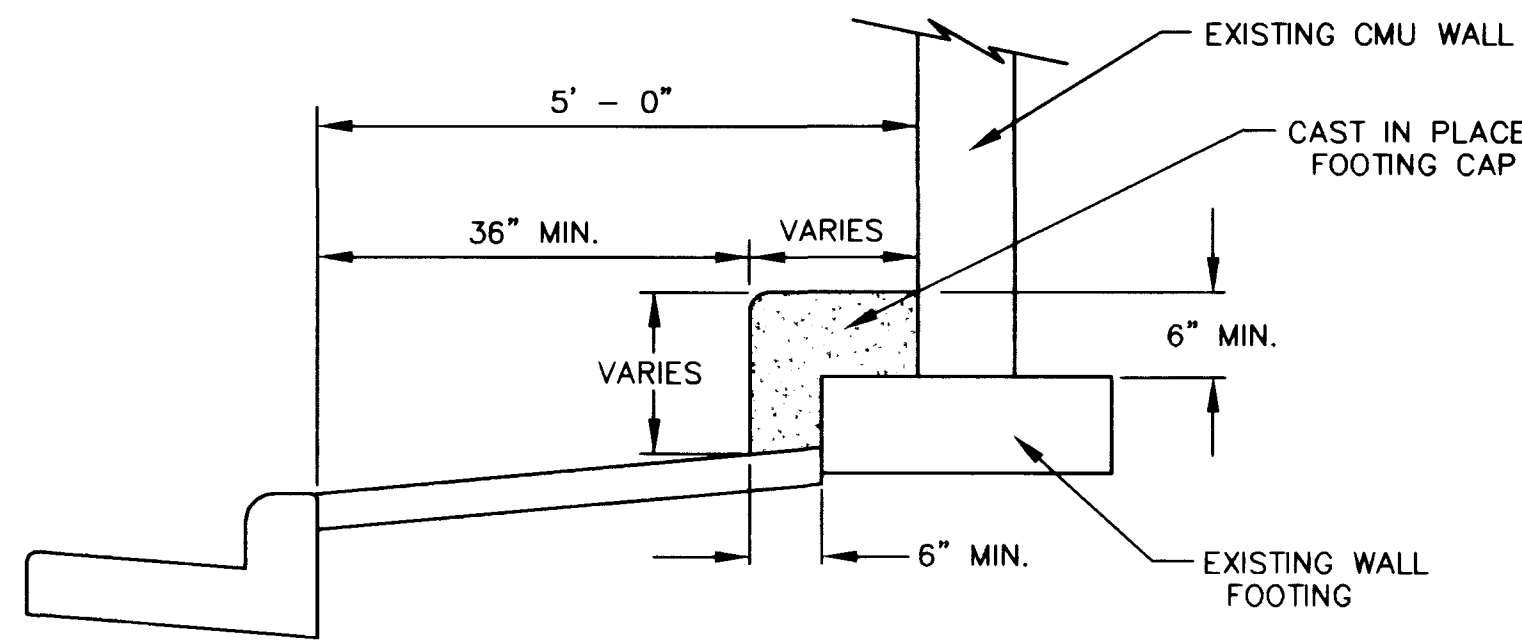
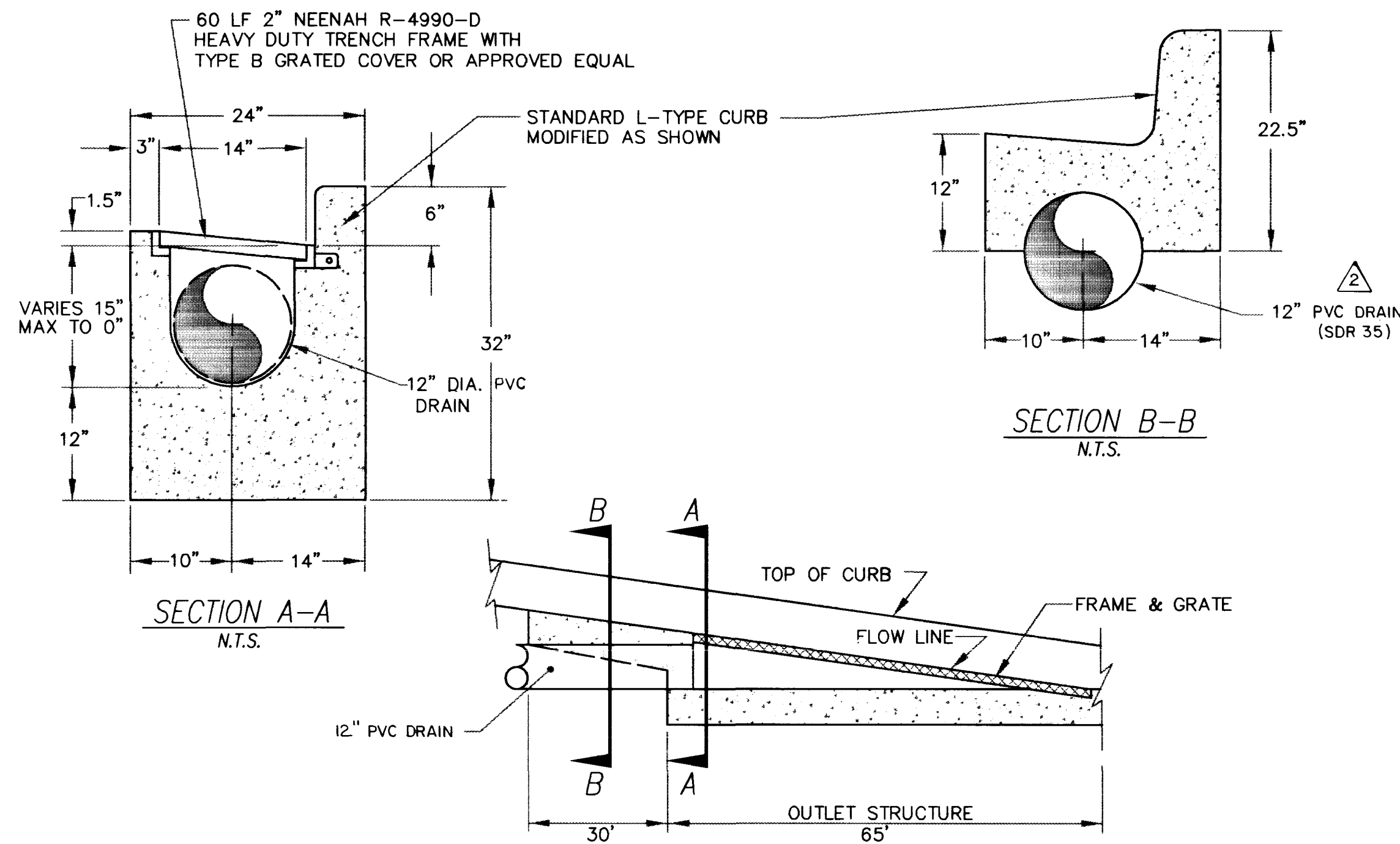


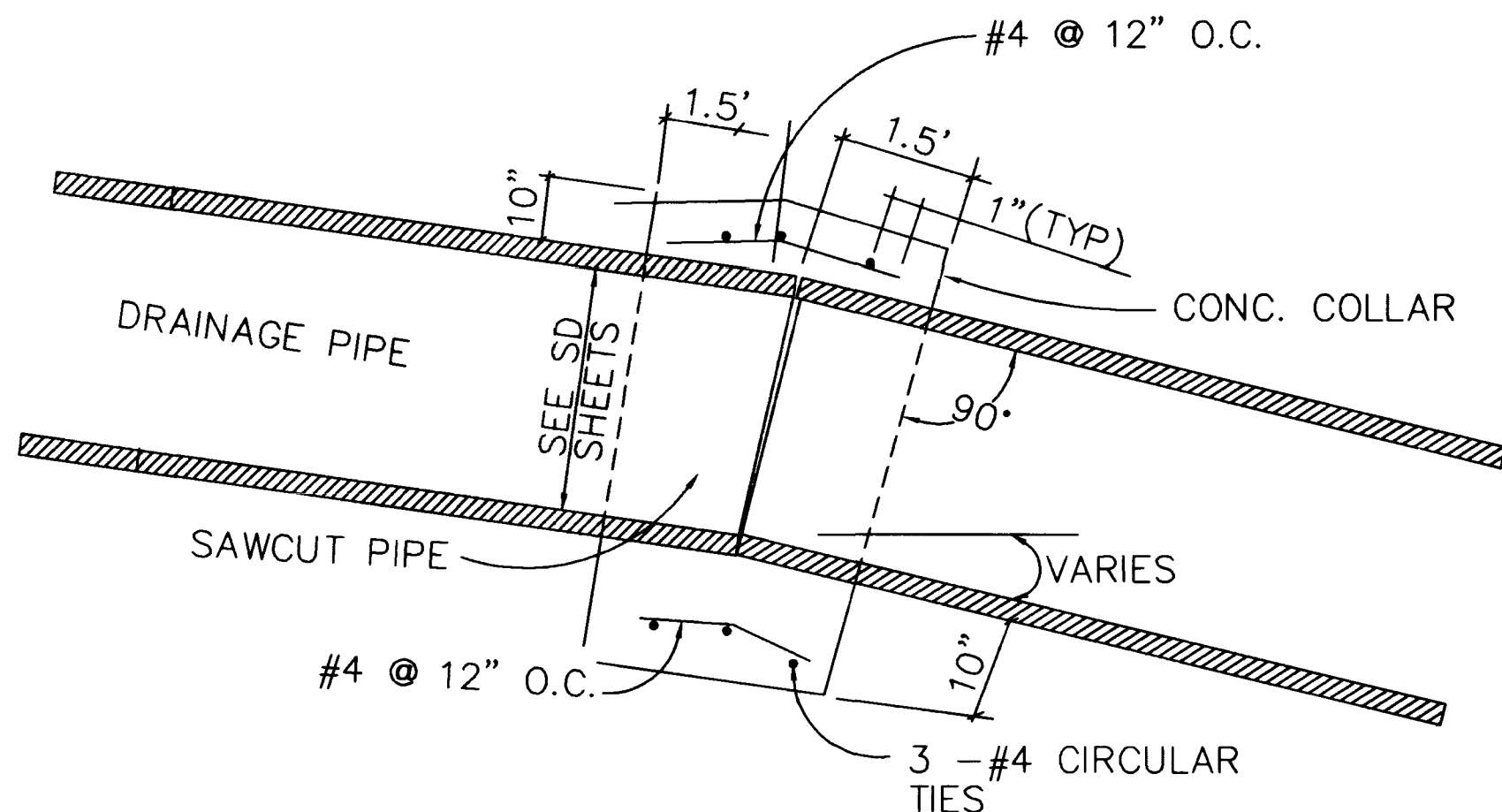


TYPICAL FOOTING CAP DETAIL
NOT TO SCALE

NOTE:
THIS DETAIL TO BE USED AS
DIRECTED BY THE ENGINEER

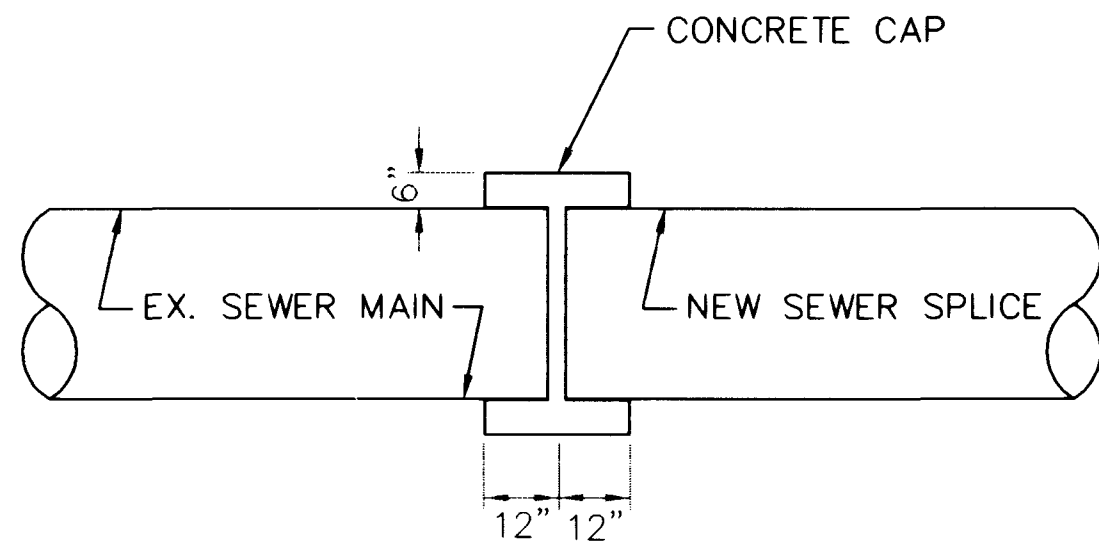


OUTLET DRAIN DETAIL
NOT TO SCALE (SEE SHEET SD12)



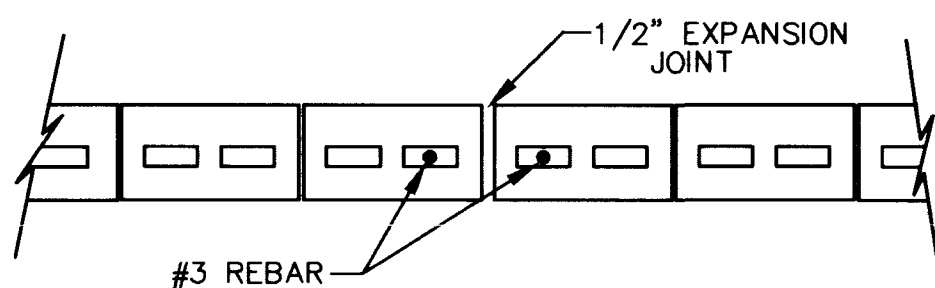
CONCRETE COLLAR (DRAINAGE PIPE)
NOT TO SCALE

NOTE:
IN AREAS WHERE TOP OF PIPE WILL BE
WITHIN 2 FEET OF FINISH GRADE, TONGUE
AND GROOVE PIPE WITH A COMPRESSION
TYPE RUBBER GASKET WILL BE REQUIRED.



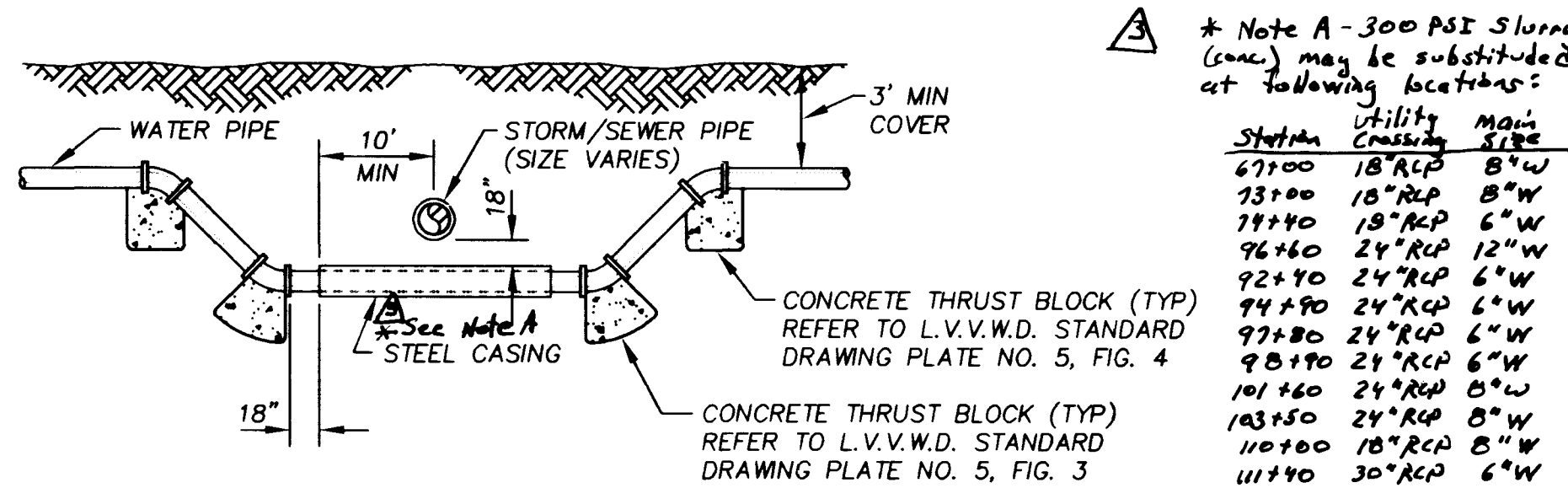
SEWER SPLICING DETAIL
NOT TO SCALE
SEE SHEETS SS1 THRU SSII

2



EXPANSION JOINT DETAILS
EXPANSION JOINTS RECOMMENDED FROM 30' TO 50'
INTERVALS, PLANS FOR INTERVALS GREATER THAN
100' SHALL BE ACCOMPANIED BY ENGINEERING CALC'S

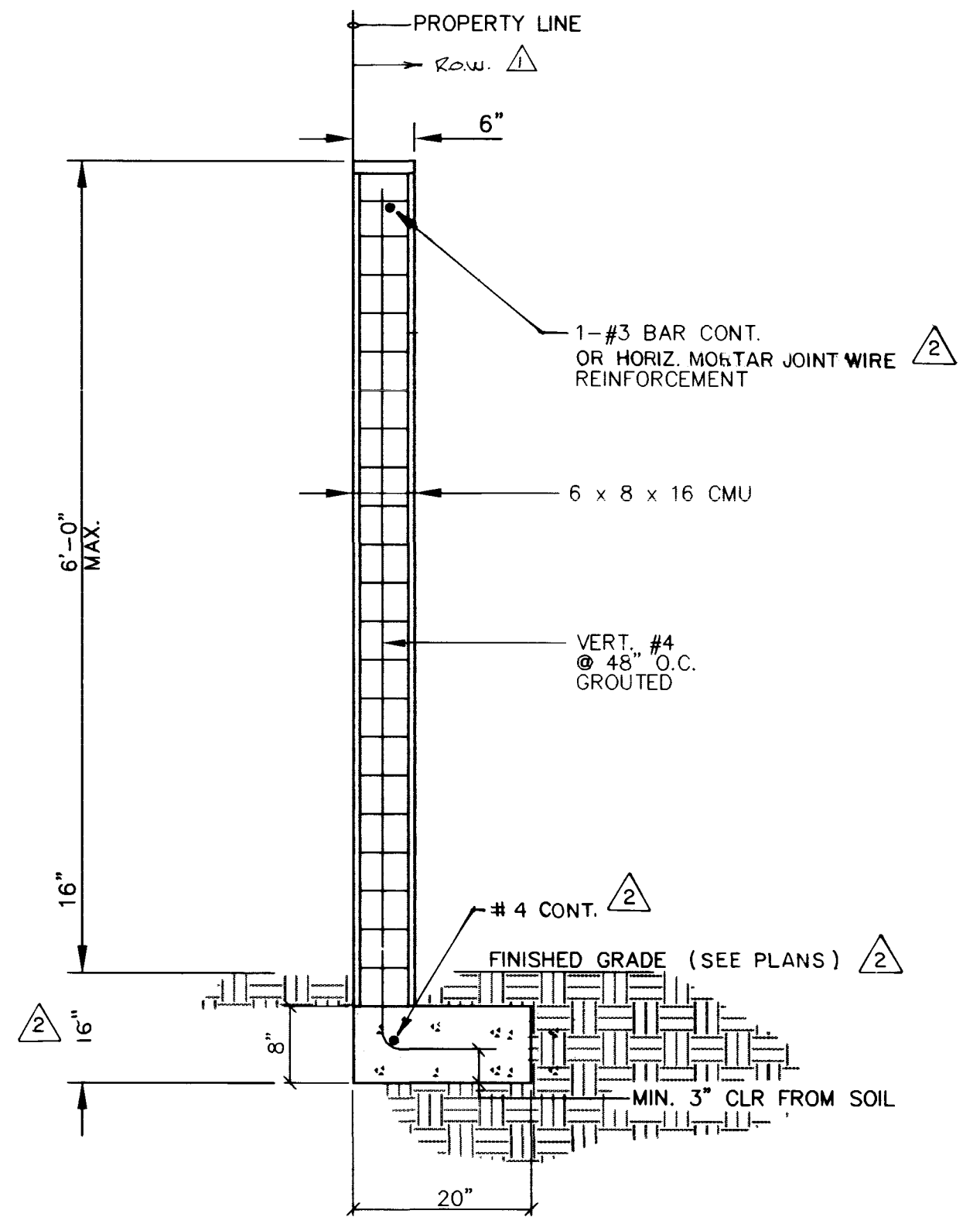
- NOTES:
- CONCRETE MIXTURE** FOR FOOTINGS IS BY VOLUME: 1 PART PORTLAND CEMENT, 2.75 PARTS SAND, 4 PARTS GRAVEL NOT LARGER THAN 1.5 INCHES, AND JUST ENOUGH WATER TO MAKE THE MIXTURE "MUSHY" AND WORKABLE, BUT NOT "SOUPY". THE WATER CONTENT SHOULD NOT BE MORE THAN 7.5 GALLONS PER SACK OF CEMENT FOR THE ABOVE MIX. WHERE SALTS ARE PRESENT IN THE SOIL, TYPE V CEMENT IS REQUIRED.
 - MORTAR MIXTURE** SHOULD BE IN PROPORTIONS OF 1 PART PORTLAND CEMENT, 1/3 PART LIME (HYDRATED), AND 3 PARTS SAND. THE WATER CONTENT SHOULD BE ACCORDING TO ABSORPTION AND SUCTION ABILITY TO ASSURE NORMAL FLOW AND SPREADING WITH A TROWEL.
 - GROUT MIXTURE** SHOULD BE COMPOSED BY VOLUME OF 1 PART PORTLAND CEMENT, 2 PARTS SAND, AND 1 PART PEA GRAVEL. SUFFICIENT WATER SHALL BE ADDED TO PRODUCE CONSISTENCY FOR POURING WITHOUT SEGREGATION.
 - UNSUPPORTED ENDS OF WALLS** SHALL TERMINATE IN A REINFORCED PLASTER COLUMN OR THE END CELL SHALL BE REINFORCED AND GROUTED SOLID (#4 VERT.)



SEWER/WATER CROSSING DETAIL
NOT TO SCALE FOR WATER MAIN RELOCATION

STANDARD CASING NOTES

- ALL CASINGS ARE TO BE SYMMETRICAL ABOUT THE CENTER LINE OF PIPE.
- STEEL PIPE CASING SHALL BE FABRICATED FROM A MINIMUM OF 1/4" THICK STEEL PLATES, CONFORMING TO THE REQUIREMENTS OF ASTM A283, GRADE B, C, OR D. ALL JOINTS SHALL BE WELDED. INTERIOR JOINTS SHALL BE GROUNDED TO A SMOOTH FINISH. ALL WELDING SHALL BE PERFORMED IN ACCORDANCE WITH AWWA C201, "AWWA STANDARD FOR FABRICATED ELECTRICALLY WELDED STEEL WATER PIPE." COATINGS FOR STEEL CASING ARE NOT REQUIRED.
- PIPE CASING SHALL BE LAID TRUE TO LINE AND GRADE WITH NO BENDS OR CHANGES IN GRADE FOR THE FULL LENGTH OF THE CASING.
- THE PIPE SHALL BE SUPPORTED AT EACH END OF EACH JOINT WITH SPACERS. AFTER INSTALLATION OF THE PIPE, THE CASING SHALL BE SEALED AT BOTH ENDS WITH CASING END SEALS.
- CASCADE BRAND CASING SPACES OR APPROVED EQUAL SHALL BE USED.



PROPERTY LINE BLOCKWALL
NOT TO SCALE (SEE SHEET C7 FOR LOCATION)

APPROVED FOR CONSTRUCTION
DATE
12/21/95

REVISIONS

NO.	DESCRIPTION/DATE	BY
1	ADD ROW NOTE	25
2	REVISED BY CIVIL 11-01-95	
3	CASING SUBSTITUTION	
4	REVISION DEP	
5	GAS 11/20/95	

AL ENGINEER - STATE
DANIEL E. POTTER
No. 8880

1100 GRIER DRIVE
LAS VEGAS, NEVADA 89119
PHONE (702) 361-9050
FAX (702) 361-0659

INCORPORATED
SCS
CONSULTING ENGINEERS

DETAIL SHEET
OAKLEY BOULEVARD
RAINBOW BLVD. TO DECATUR BLVD.

JOB NO.: 2-241-073
ACAD FILE: OAKEDT02
DESIGNED: TL
DRAWN: TL
CHECKED: DP
DATE: JUNE 1995

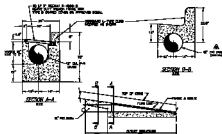
D2

8 OF 62 SHEETS



TYPICAL FOOTING CAP DETAIL
NOT TO SCALE

NOTE:
SEE SHEET T-1 FOR DETAILS

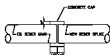


OUTLET DRAIN DETAIL
NOT TO SCALE (SEE SHEET S10)



CONCRETE COLLAR (DRAINAGE PIPE)
NOT TO SCALE

NOTE:
SEE SHEET T-1 FOR DETAILS
SEE SHEET T-1 FOR DETAILS



SEWER SPLICING DETAIL
SEE SHEET S10 THRU S11



SEWER/WATER CROSSING DETAIL
NOT TO SCALE FOR SLOPE AND ELEVATION

STANDARD NOTES

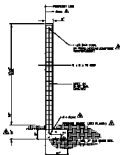
1. ALL WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, LATEST EDITION, AND THE STANDARD SPECIFICATIONS FOR SEWERAGE AND SANITATION, LATEST EDITION, AND THE STANDARD SPECIFICATIONS FOR SEWERAGE AND SANITATION, LATEST EDITION, AND THE STANDARD SPECIFICATIONS FOR SEWERAGE AND SANITATION, LATEST EDITION.
2. THE SLOPE OF ALL SEWERS SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR SEWERAGE AND SANITATION, LATEST EDITION, AND THE STANDARD SPECIFICATIONS FOR SEWERAGE AND SANITATION, LATEST EDITION, AND THE STANDARD SPECIFICATIONS FOR SEWERAGE AND SANITATION, LATEST EDITION.
3. THE SLOPE OF ALL SEWERS SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR SEWERAGE AND SANITATION, LATEST EDITION, AND THE STANDARD SPECIFICATIONS FOR SEWERAGE AND SANITATION, LATEST EDITION, AND THE STANDARD SPECIFICATIONS FOR SEWERAGE AND SANITATION, LATEST EDITION.
4. THE SLOPE OF ALL SEWERS SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR SEWERAGE AND SANITATION, LATEST EDITION, AND THE STANDARD SPECIFICATIONS FOR SEWERAGE AND SANITATION, LATEST EDITION, AND THE STANDARD SPECIFICATIONS FOR SEWERAGE AND SANITATION, LATEST EDITION.
5. THE SLOPE OF ALL SEWERS SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR SEWERAGE AND SANITATION, LATEST EDITION, AND THE STANDARD SPECIFICATIONS FOR SEWERAGE AND SANITATION, LATEST EDITION, AND THE STANDARD SPECIFICATIONS FOR SEWERAGE AND SANITATION, LATEST EDITION.
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INVERTING LINE DETAIL
SEE SHEET S10 THRU S11

NOTE:
1. THE SLOPE OF ALL SEWERS SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR SEWERAGE AND SANITATION, LATEST EDITION, AND THE STANDARD SPECIFICATIONS FOR SEWERAGE AND SANITATION, LATEST EDITION, AND THE STANDARD SPECIFICATIONS FOR SEWERAGE AND SANITATION, LATEST EDITION.
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PROPERTY LINE BLOCKWALL
NOT TO SCALE (SEE SHEET T-1 FOR ELEVATION)

DESIGNED BY: [Signature]
CHECKED BY: [Signature]



THE SEWERAGE AND SANITATION DISTRICT OF THE CITY OF LOS ANGELES
1000 WEST 10TH STREET
LOS ANGELES, CALIFORNIA 90057
TEL: (213) 475-1000
FAX: (213) 475-1001
WWW: WWW.LASDOWATER.COM

DETAIL SHEET
SEWERAGE AND SANITATION
DRAINAGE AND SEWERAGE
SHEET S10

DATE: 10/1/01
BY: [Signature]
CHECKED BY: [Signature]
D2