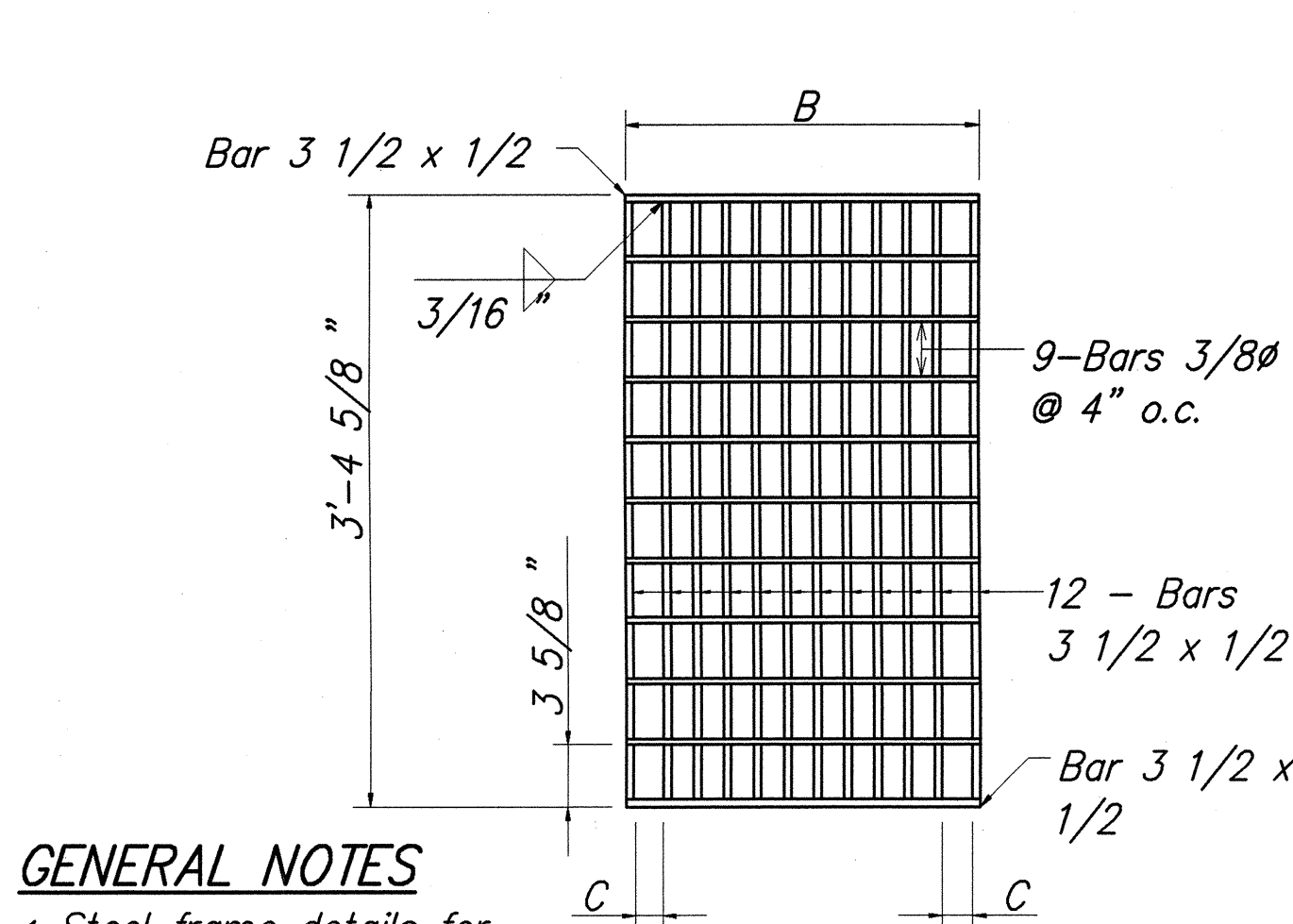
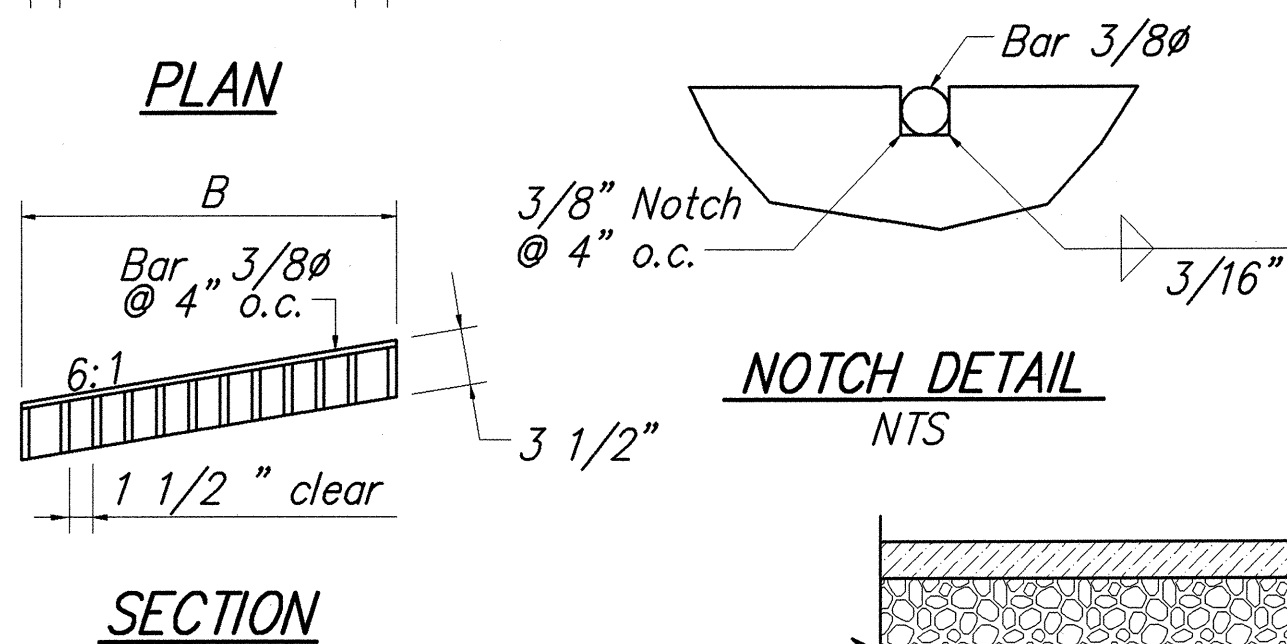


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAWAII	H1A-01-02M	2003	24	88



GENERAL NOTES

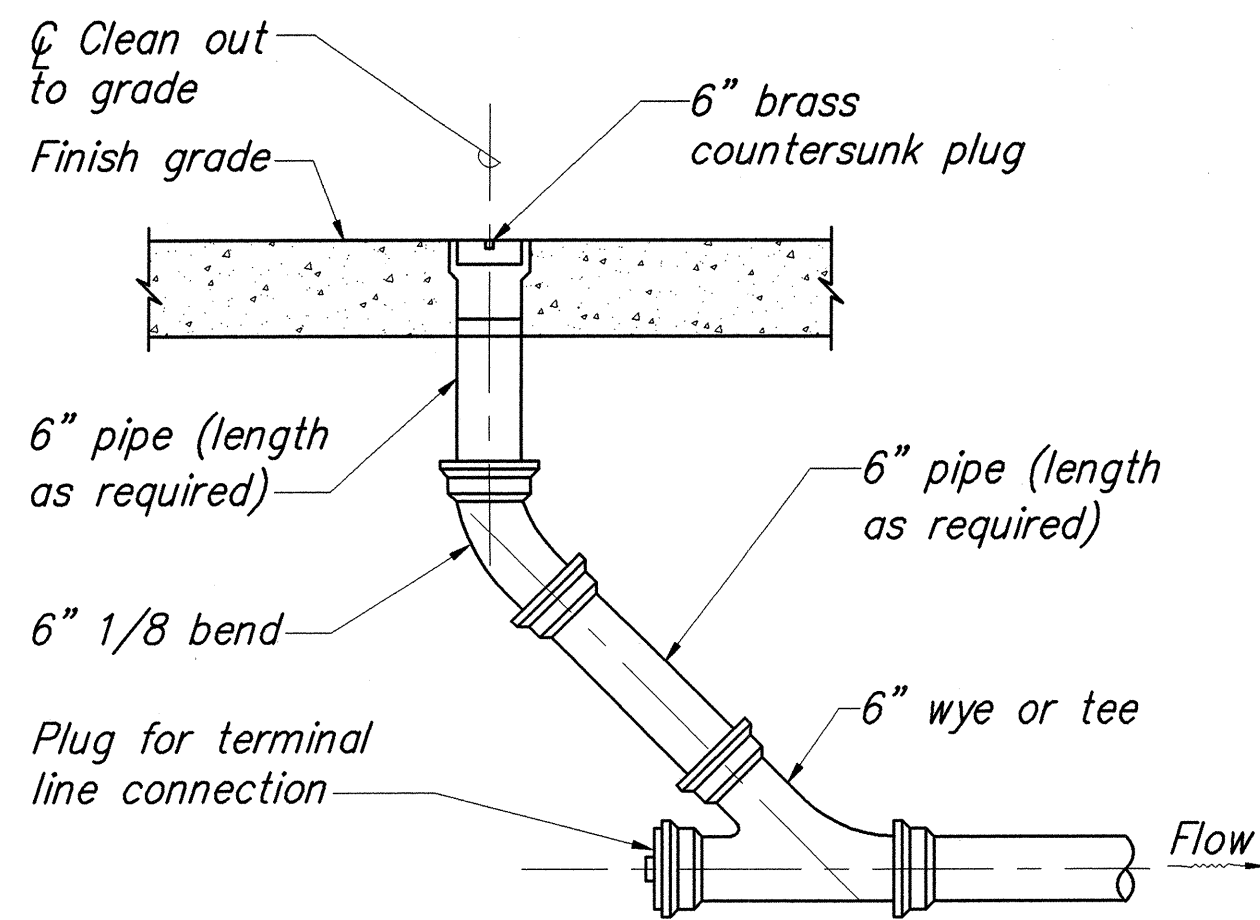
- Steel frame details for grates shall be the steel frames shown on Standard Plan H-13.
- Grates shall be hot dip galvanized after fabrication.
- Use in locations off the road bed on all types of highways. (Pedestrian safe)



DIMENSIONS					
TYPE	NO. BARS	A	B	C	D
61614P	12		1'-11 1/2"	2"	

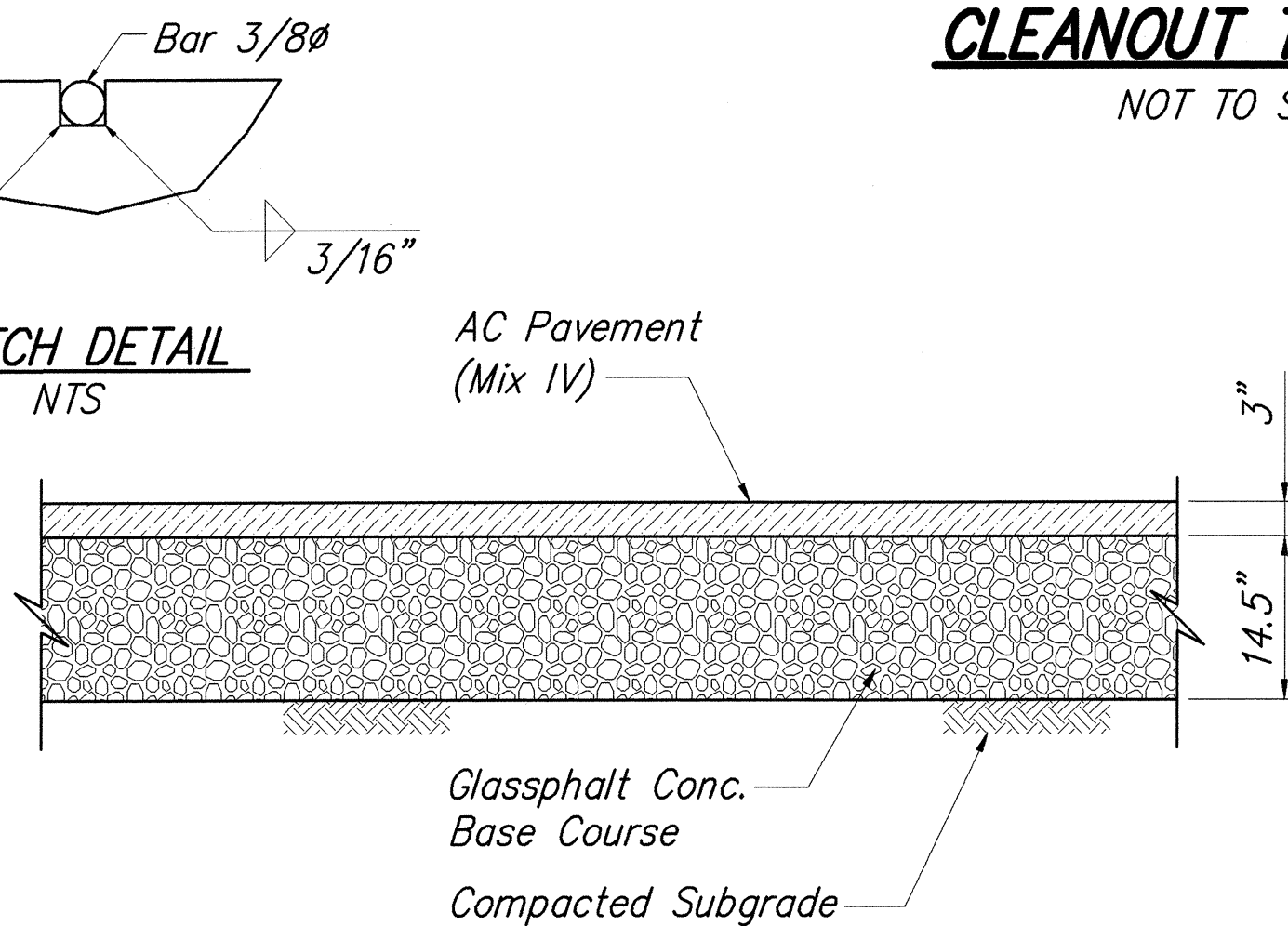
TYPE 61614P STEEL GRATE

Scale: 1 1/2" = 1'-0"



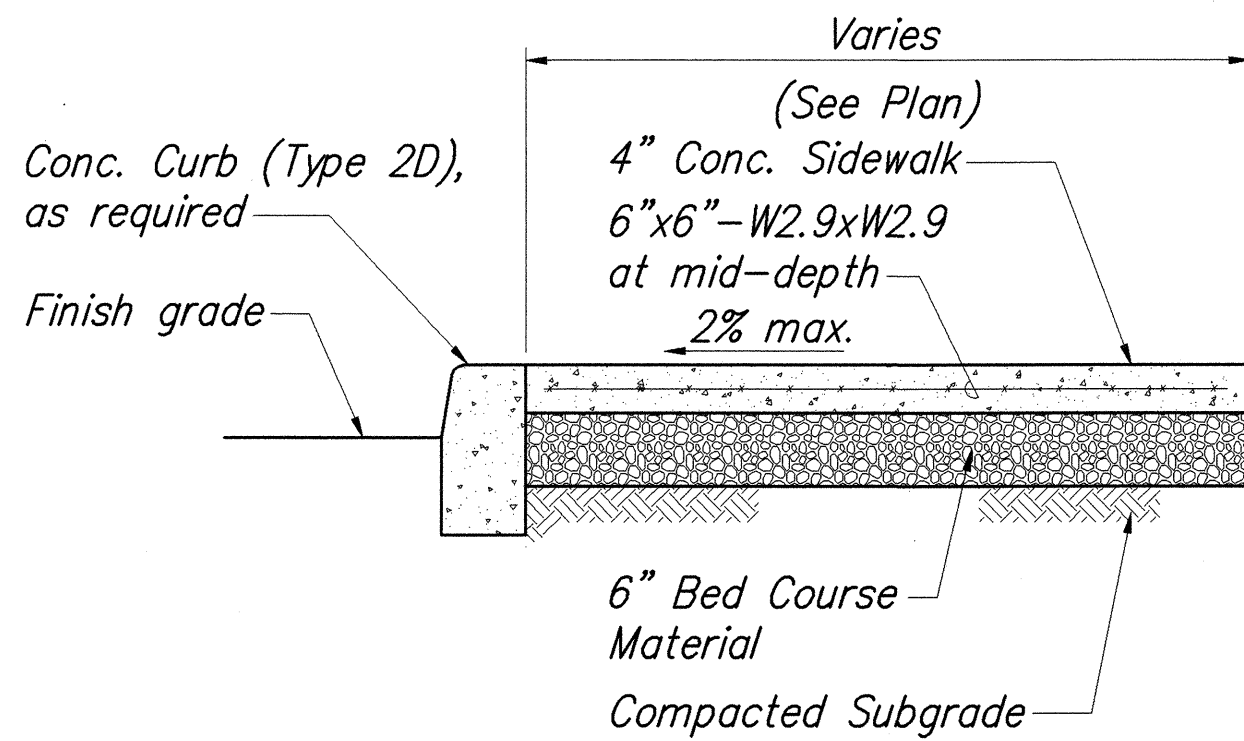
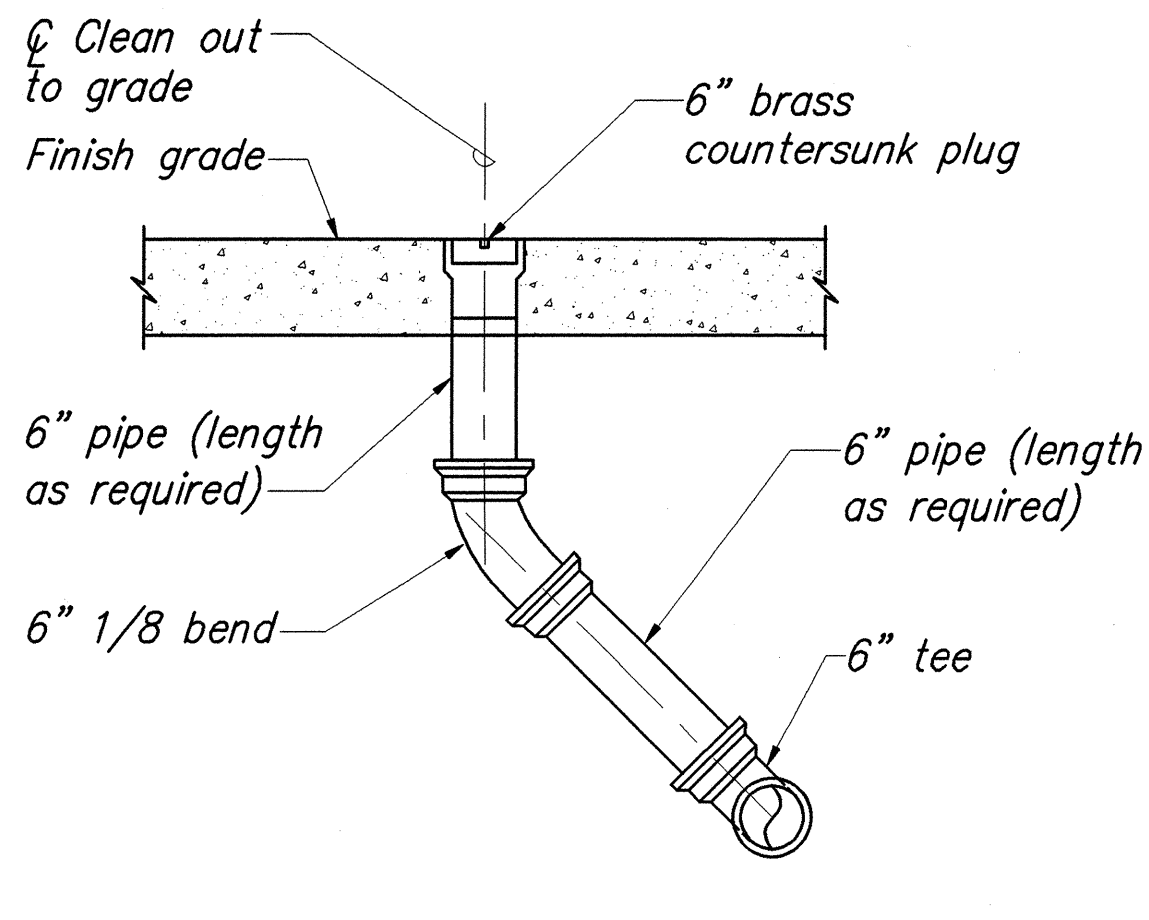
CLEANOUT TO GRADE

NOT TO SCALE



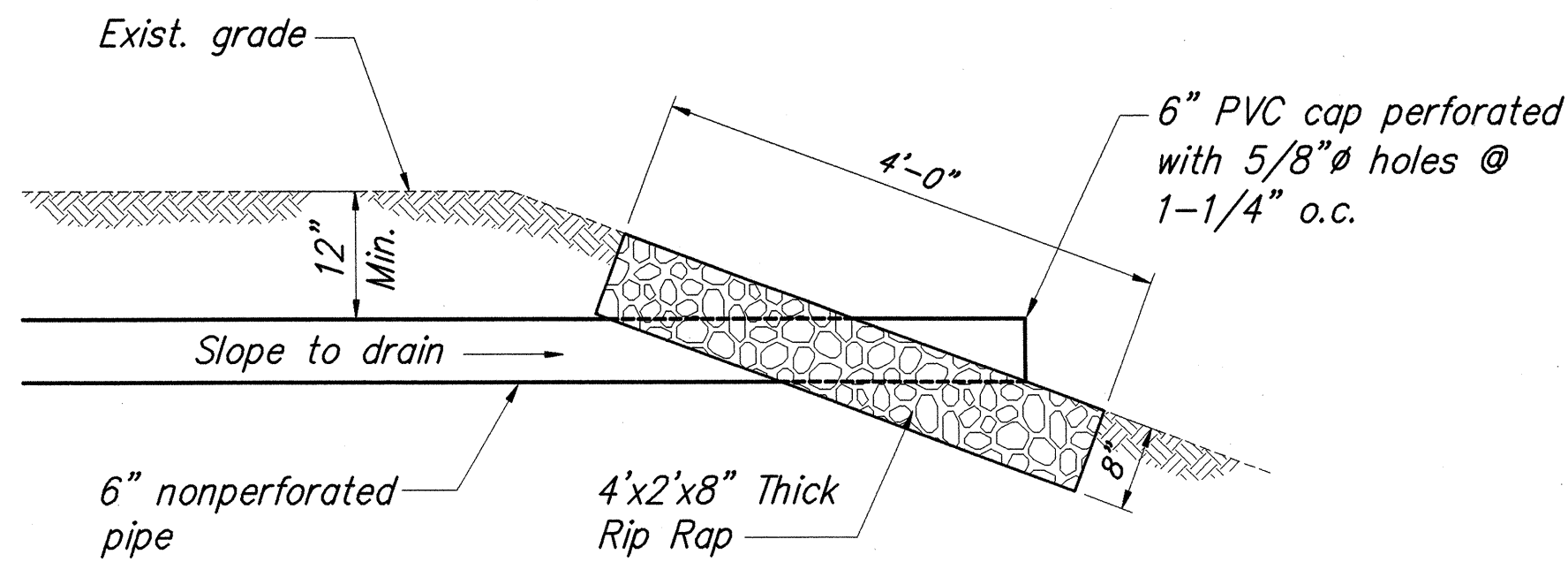
AC RECONSTRUCTION DETAIL

Scale: 3/4" = 1'-0"



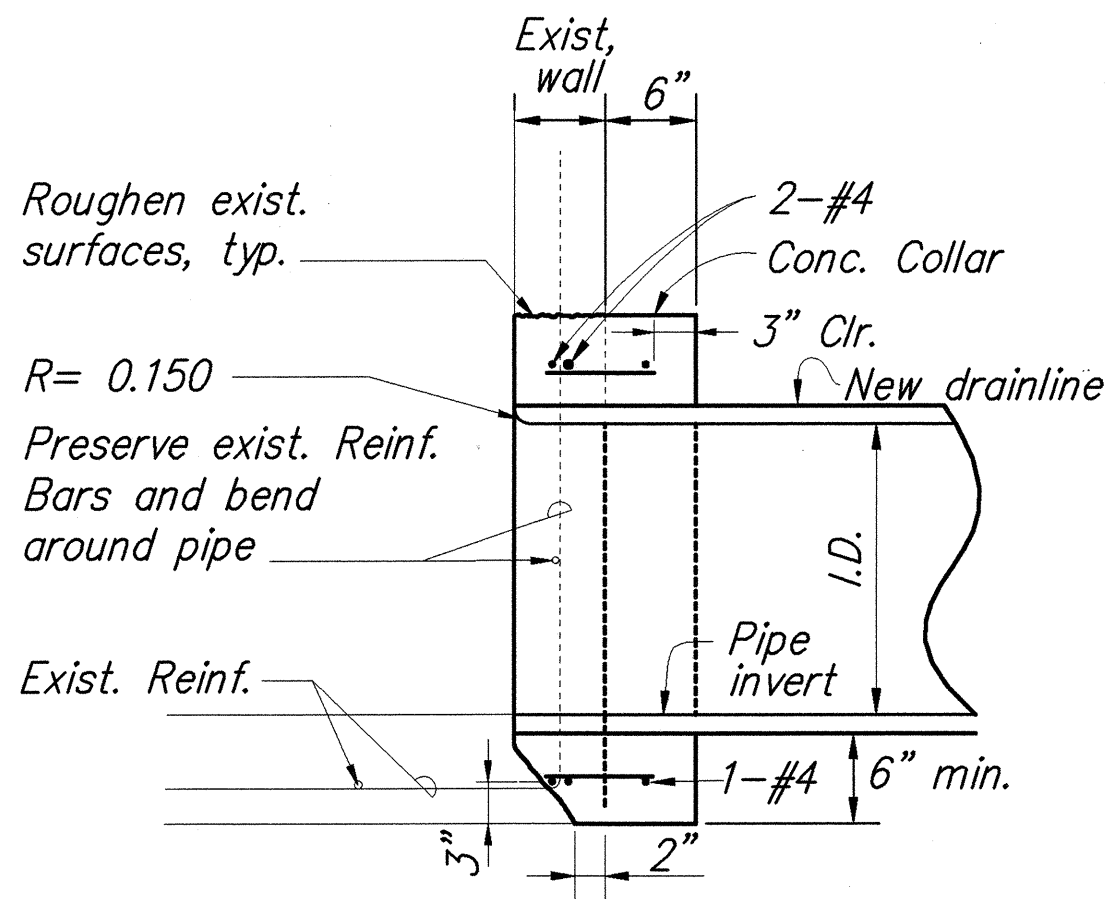
4" CONCRETE SIDEWALK

Scale: 3/4" = 1'-0"

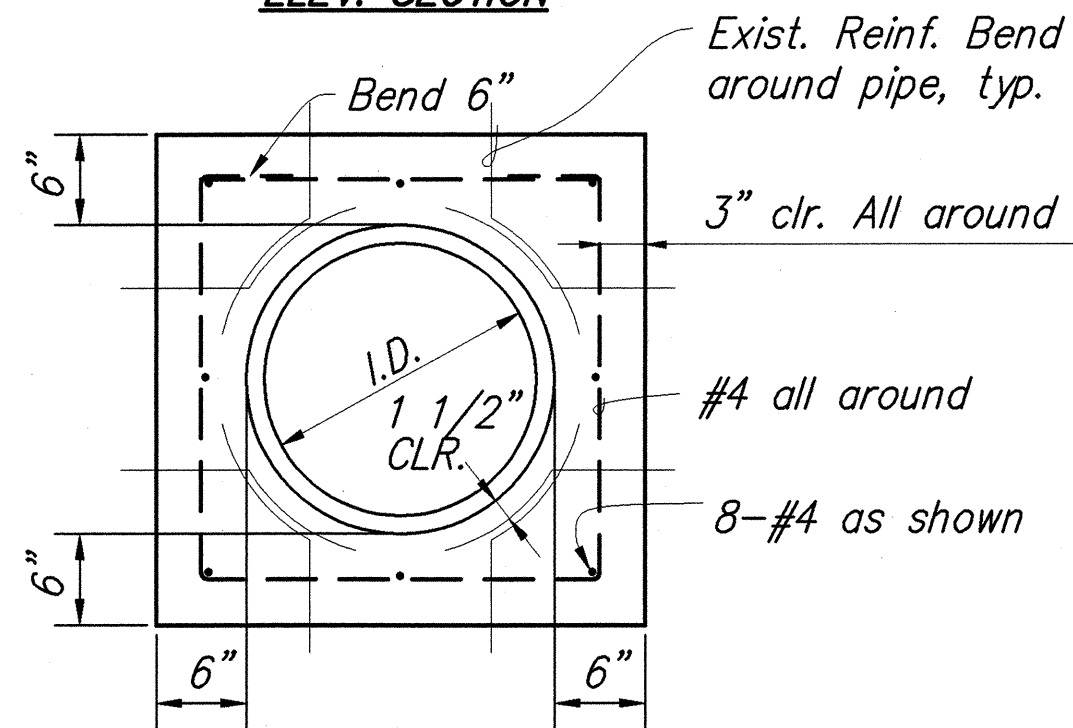


SUBDRAIN OUTLET DETAIL (DAYLIGHT)

Scale: 3/4" = 1'-0"

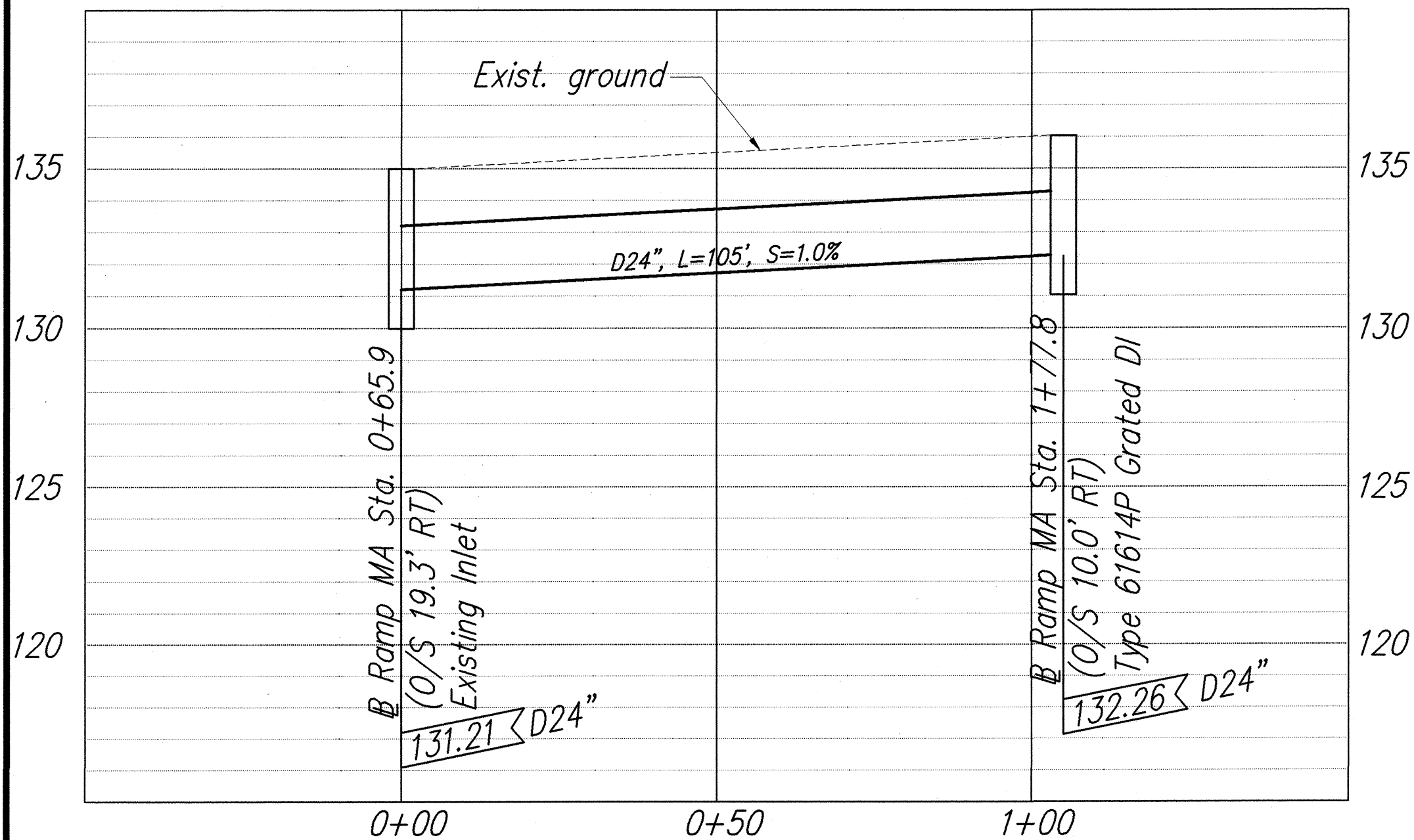


ELEV. SECTION



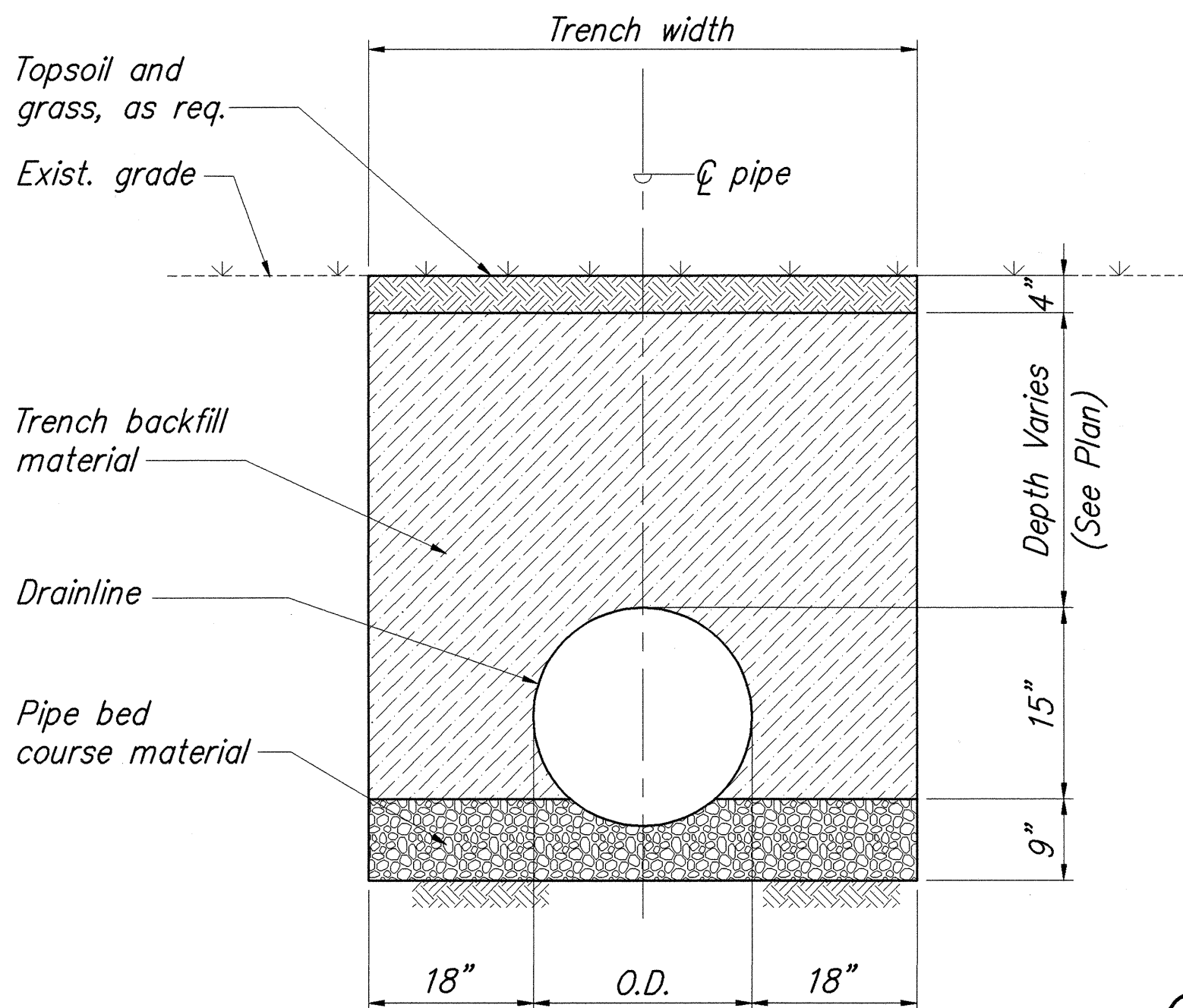
PIPE PENETRATION DETAIL

Scale: 1" = 1'-0"



PROFILE - 24" DRAINLINE

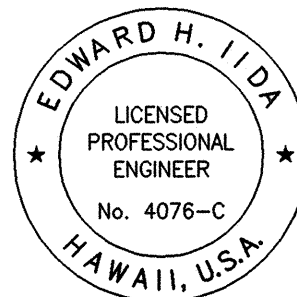
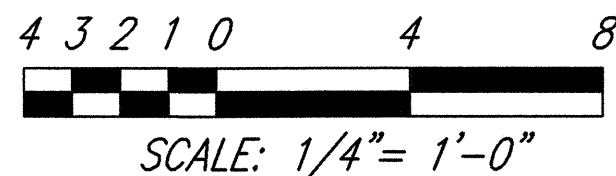
Scale: Horiz.: 1" = 20'
Vert.: 1" = 4'



DRAINLINE TRENCH DETAIL

Scale: 3/4" = 1'-0"

GRAPHIC SCALE:



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MITSUNAGA & ASSOCIATES

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

MISCELLANEOUS DETAILS

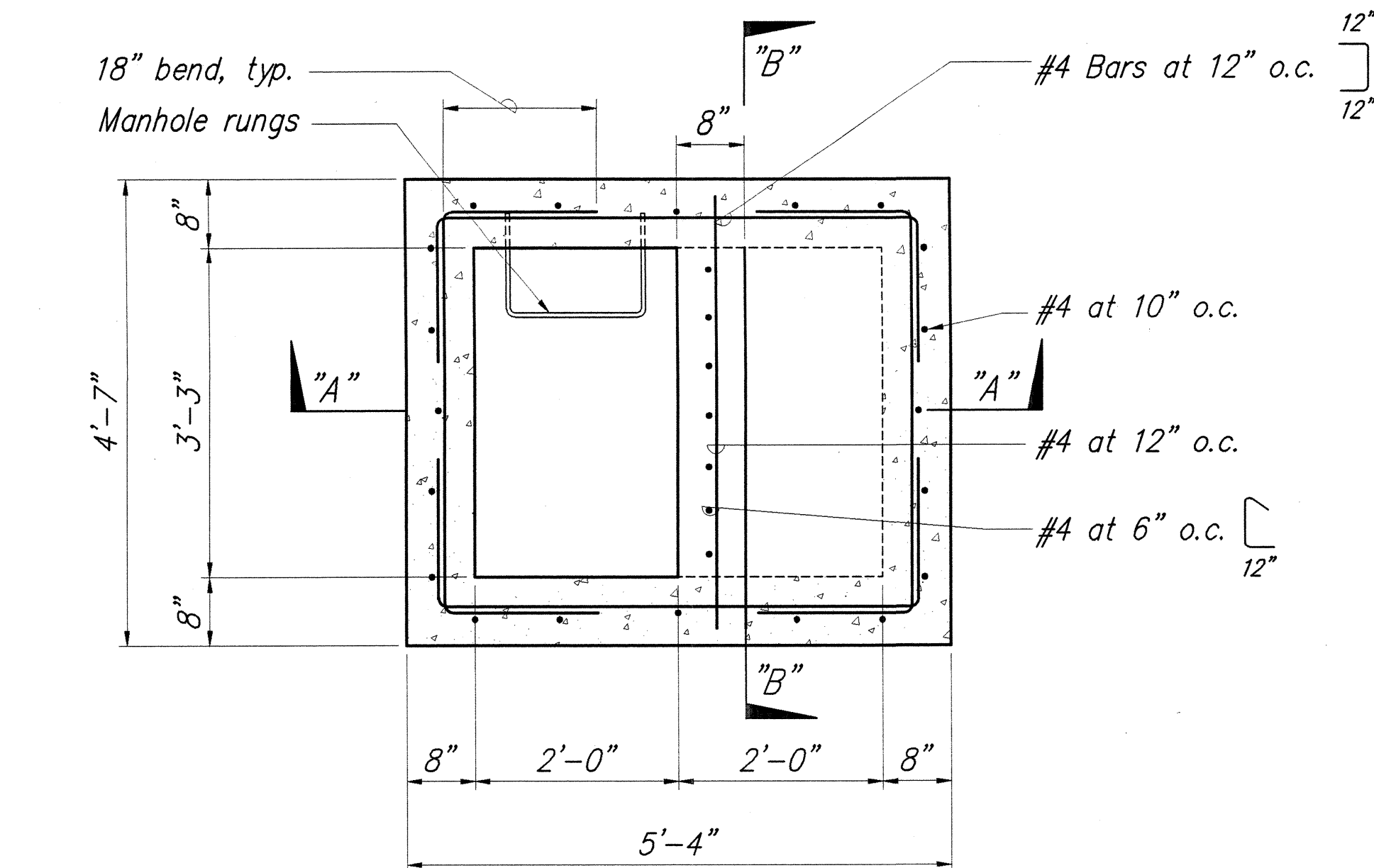
INTERSTATE ROUTE H-1 REHABILITATION
Vicinity Of Makakilo Interchange
Project No. H1A-01-02M

Scale: As Noted

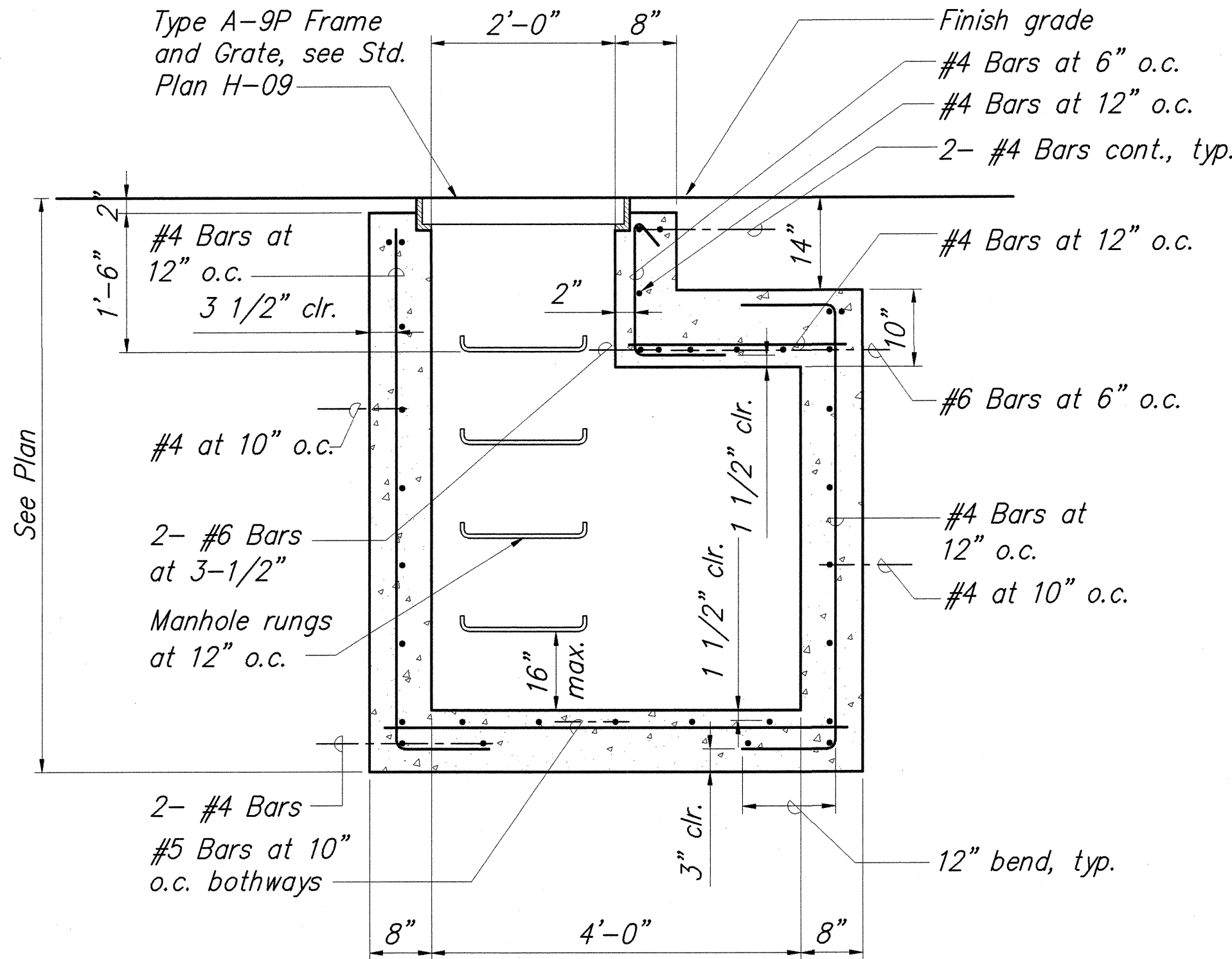
Date: April 2003

SHEET No. C-22 OF 42 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAWAII	H1A-01-02M	2003	C.O. 24S-1	88

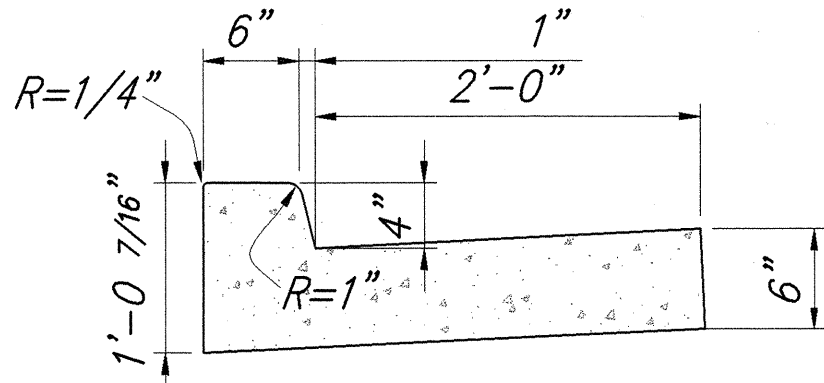


PLAN

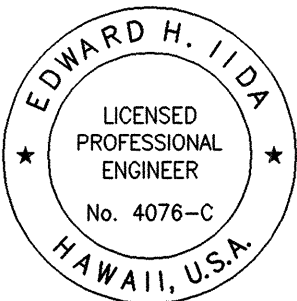


SECTION "A-A"

GRATED DROP INLET
Scale: 3/4" = 1'-0"



CURB AND GUTTER DETAIL
Not to Scale



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UNDER MY SUPERVISION
Edward H. Iida
MITSUNAGA & ASSOCIATES

12/22/03	Sheet Added
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
MISCELLANEOUS DETAILS - 2	
INTERSTATE ROUTE H-1 REHABILITATION	
Vicinity Of Makakilo Interchange	
Project No. H1A-01-02M	
Scale: As Noted	Date: April 2003
SHEET No. C-22 OF 42 SHEETS	