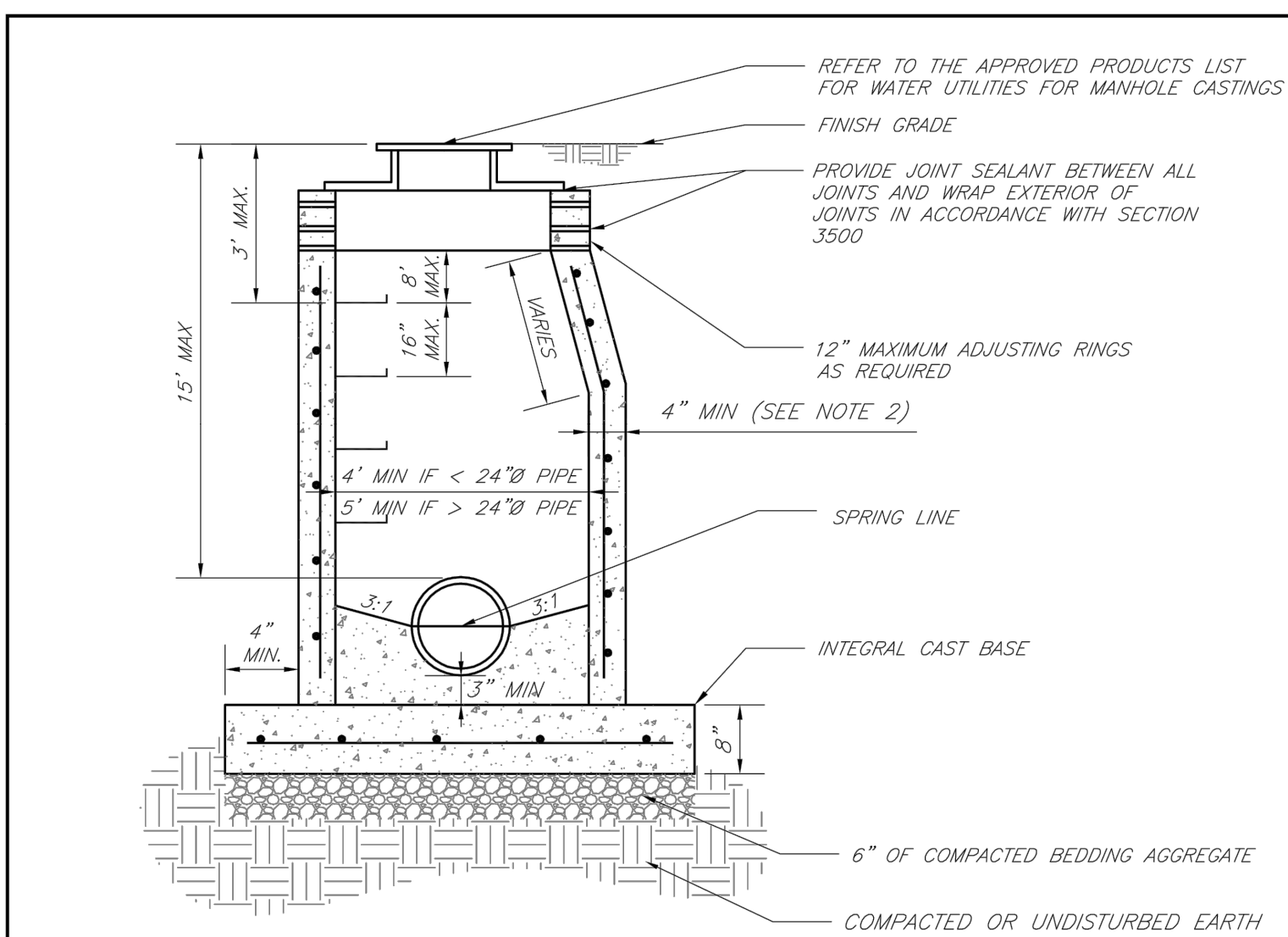




- NOTES:
1. PRECAST CONCRETE MANHOLES SHALL CONFORM TO ASTM C478 EXCEPT AS MODIFIED BY THE SPECIFICATIONS.
 2. A WALL THICKNESS NOT LESS THAN ONE-TWELFTH ($\frac{1}{12}$) OF THE INSIDE DIAMETER OR 4", WHICHEVER IS GREATER, SHALL BE USED WHEN THE MANHOLE DEPTH IS LESS THAN 15".
 3. WATERPROOFING SHALL BE REQUIRED ON THE OUTSIDE OF MANHOLES. THE WATERPROOFING SHALL CONSIST OF A TOTAL DRY FILM THICKNESS OF NOT LESS THAN 14 MILS OF BITUMINOUS COATING.
 4. ONLY ECCENTRIC MANHOLE CONES WILL BE ALLOWED UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.
 5. THE FILL CONCRETE FLOW CHANNEL FOR SIDE BRANCHES SHALL BE PLACED TO PROVIDE A SMOOTH TRANSITION INTO THE FLOW LINE.
 6. REFER TO THE APPROVED PRODUCTS LIST FOR WATER UTILITIES FOR APPROVED MANHOLE GASKET MODELS.
 7. REFER TO THE APPROVED PRODUCTS LIST FOR APPROVED STEPS.

LEE'S SUMMIT
MISSOURI

PUBLIC WORKS ENGINEERING DIVISION | 220 SE GREEN STREET | LEE'S SUMMIT, MO 64083

DATE: 02/13

DRAWN BY: JN

CHECKED BY: DL

FILE: SAN-2

STANDARD PRECAST MANHOLE — SANIT,

The scruffy dome is made of galvanised steel and is used in stormwater applications to provide a debris and security screen for manholes.

- Design Specifications**

 - The type 1 debris screen is a full height design, suitable for manholes with a 600mm diameter or larger. Refer to figure 1.
 - The type 2 debris screen has a lower height profile making it less noticeable in areas such as parks and gardens. Suitable for manholes with a diameter of 600 mm or larger. (Refer to figure 2)

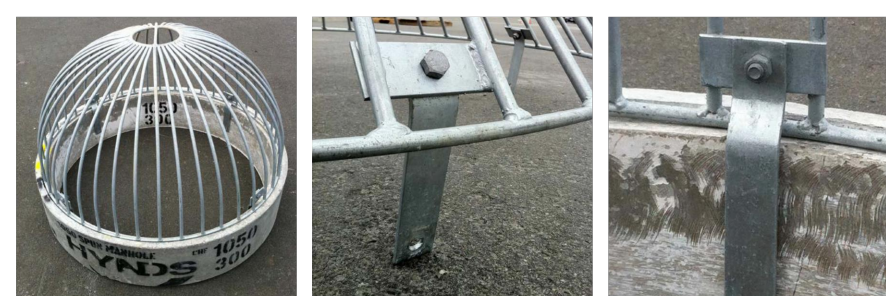
Installation

 - Dome brackets are bolted to the manhole riser with stainless steel bolts.
 - The bolts are purchased separately.
- Note: The North Island and South Island have different versions of Scruffy Domes with small changes in the bracket design. (See photos below). Please contact your local Hynds branch for more information.

North Island Scruffy Dome



South Island Scruffy Dome



Product Code	Manhole Size	Type	Riser ID (mm)	A = OD of Grille (mm)	B = Diameter of Inner Ring (mm)	C = Height of Dome (mm)	D = Lap Length (mm)
Type 1 High Profile							
MHD08025	600	1	610	640	145	300	190
MHD08155	675	1	685	715	145	300	190
MHD09025	900	1	914	950	230	600	190
MHD10025	1050	1	1068	1125	230	665	190
MHD10055	1050	1	1068	1125	230	665	190
MHD10065	1050	1	1068	1125	230	665	190
MHD10055-H*	1050	1	1068	1125	230	665	190
MHD14005	1400	1	1372	1420	230	715	190
MHD15005	1500	1	1524	1580	230	790	190
MHD16005	1650	1	1676	1740	230	870	190
MHD16055	1650	1	1676	1740	230	870	190
Type 2 Low Profile							
MHD08052	600	2	610	640	145	150	190
MHD08152	675	2	685	715	145	150	190
MHD09052	900	2	914	950	230	170	190
MHD10052	1050	2	1068	1125	230	200	190
MHD10052-H*	1050	2	1068	1125	230	200	190
MHD12052	1200	2	1207	1270	230	360	190
MHD12052-H*	1200	2	1207	1270	230	360	190
MHD14052	1400	2	1372	1420	230	380	190
MHD15052	1500	2	1524	1580	230	435	190
MHD16052	1650	2	1676	1740	230	480	190
MHD16052	1650	2	1676	1740	230	500	190

Note: Larger sizes 2000, 2300, 2500, 3000mm are available on request

*H = Hinged HC = Hinged and lockable

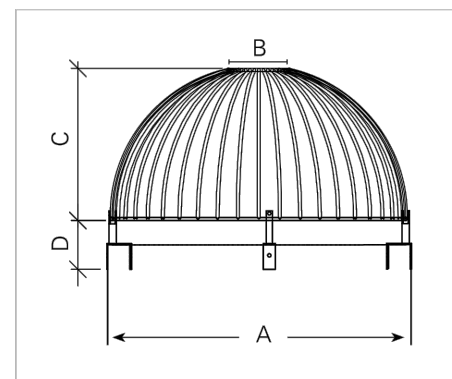


FIG. 1 Dimensions of Type 1 Hynds Scruffy Dome (see table).

Note: Brackets shown here are not supplied. Please see the North Island and South Island Scruffy Domes photos.

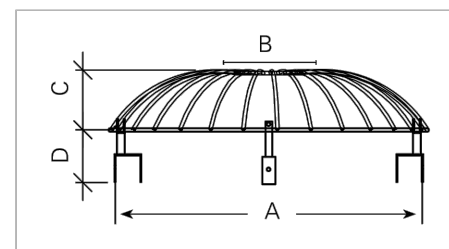
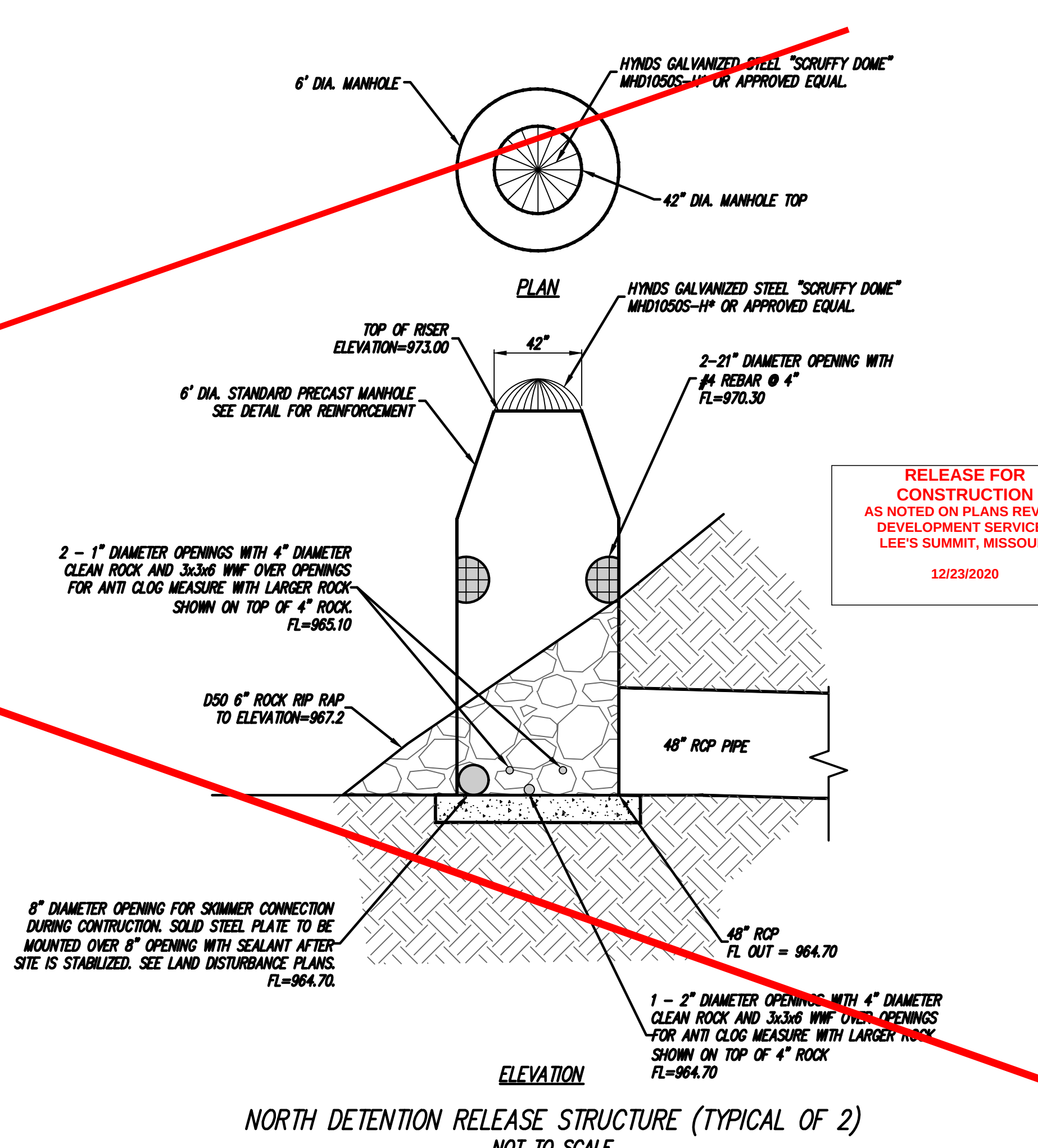
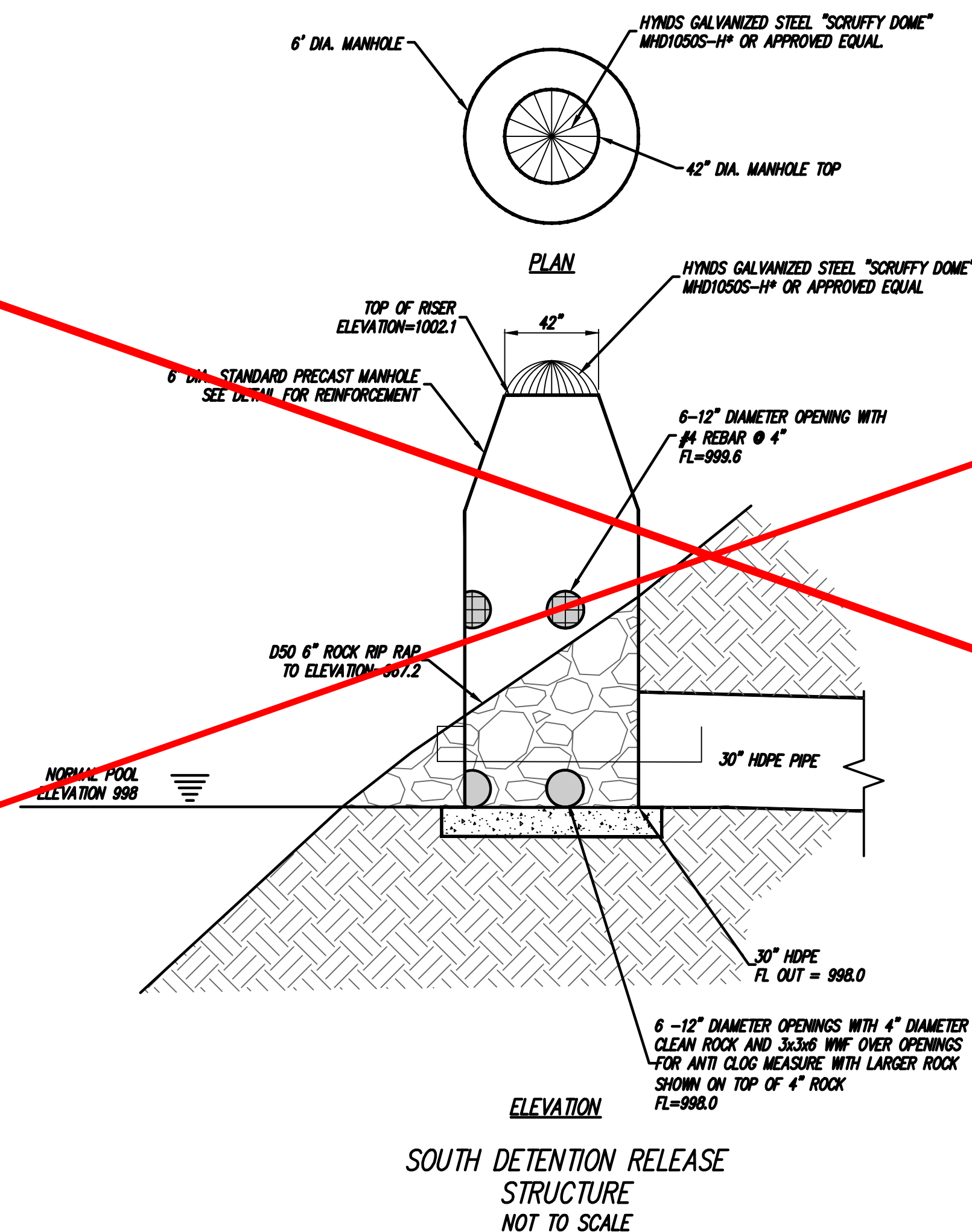
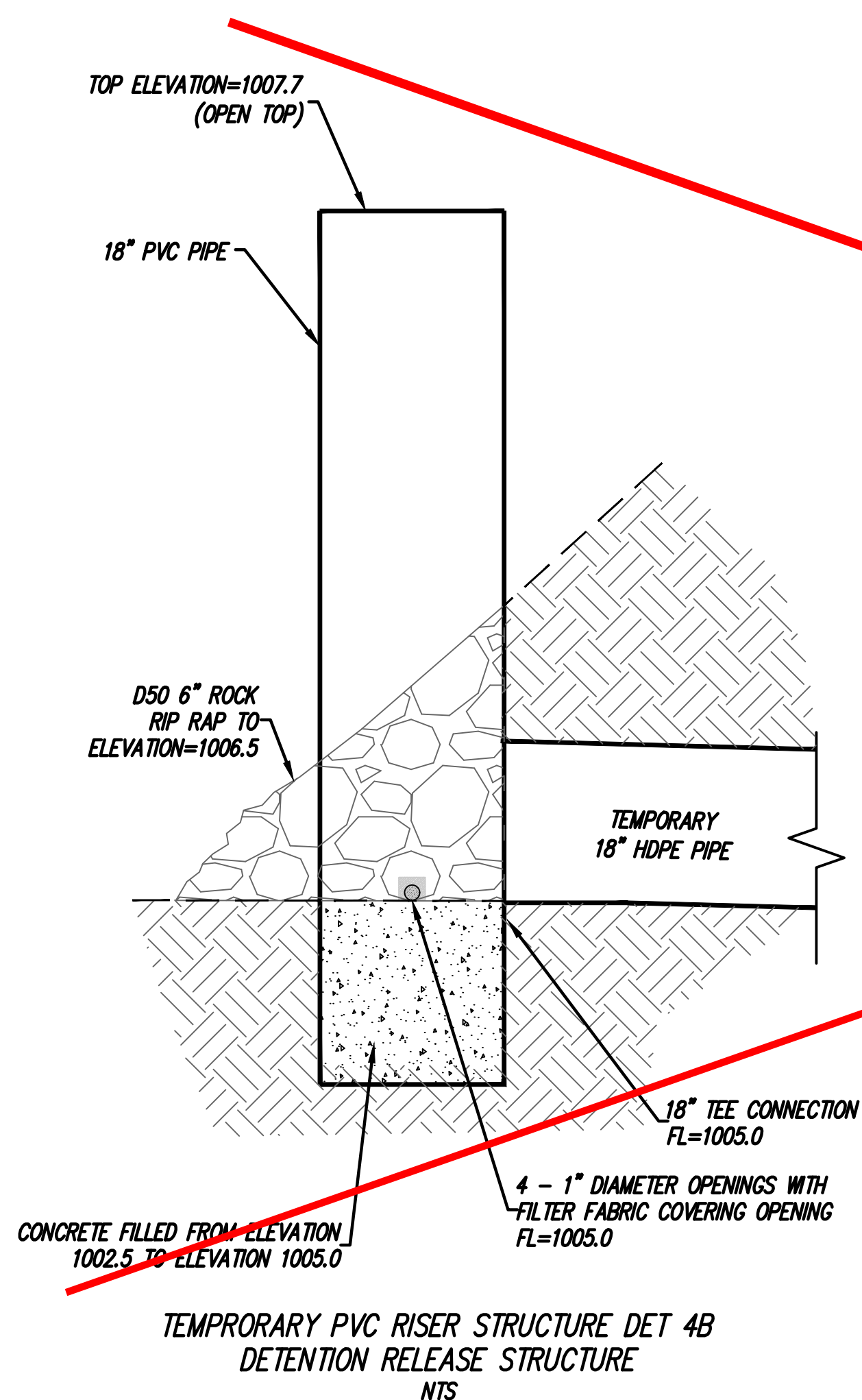
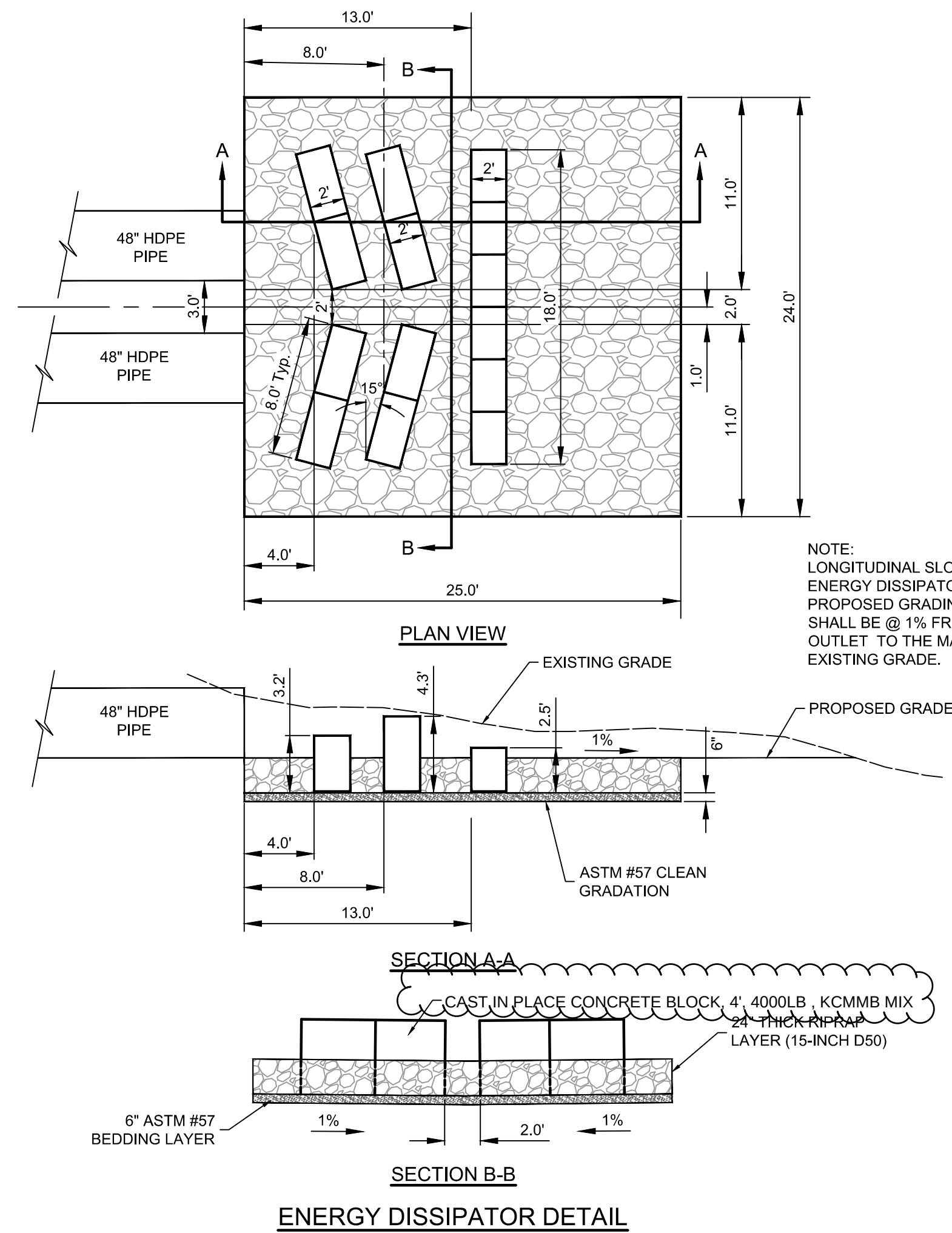
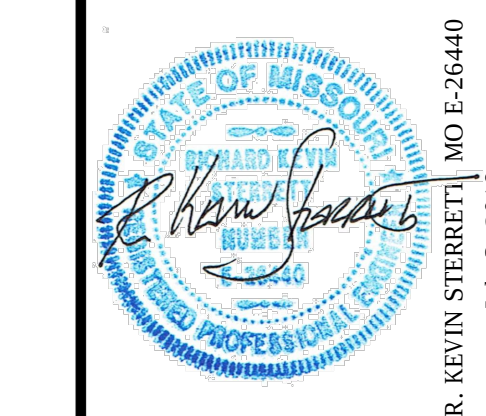


FIG. 2 Dimensions of Type 2 Hynds Scruffy Dome (see table).

Note: Brackets shown here are not supplied. Please see the North Island and South Island Scruffy Domes photos.



DATE	REVISION	BY	CHKD
07/20/19	PER CITY'S COMMENTS	6	SW
07/20/19	PER CITY'S COMMENTS	5	SW
04/22/19	PER CITY'S COMMENTS	4	SW
04/16/19	PER CITY'S COMMENTS	3	SW
03/27/19	PER CITY'S COMMENTS	2	SW
03/09/19	PER CITY'S COMMENTS	1	SW
11/27/18	SUBMITTAL TO CITY OF LEES SUMMIT		



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STREET AND STORM SEWER PLANS

NORTH AND SOUTH DETENTION BASINS

OUTLET STRUCTURE DETAILS

COBEY CREEK FIRST PLAT

PHASE I

CITY OF LEES SUMMIT, JACKSON COUNTY, MISSOURI

16-059 Base Phase I

DRAWING NO.

16-059 Phase I Street Plans

DATE

July 30, 2019

SHEET NO.

16-059