

TEMPORARY SOIL EROSION CONTROL

STRAW BALE DITCH CHECK

NOT TO SCALE

STRAW BALE DITCH CHECK NOTES

1. CONTRACTOR SHALL INSTALL STRAW BALE EROSION CONTROL BARRIER AT TOE OF SLOPES OF ALL AREAS AFFECTED BY CONSTRUCTION PRIOR TO ANY EXCAVATION ON THE SITE.

2. EROSION CONTROL BARRIER SHALL REMAIN UNTIL VEGETATION HAS BEEN

NECESSARY TO PREVENT MOVEMENT OF SILT INTO THE ADJACENT AREAS.

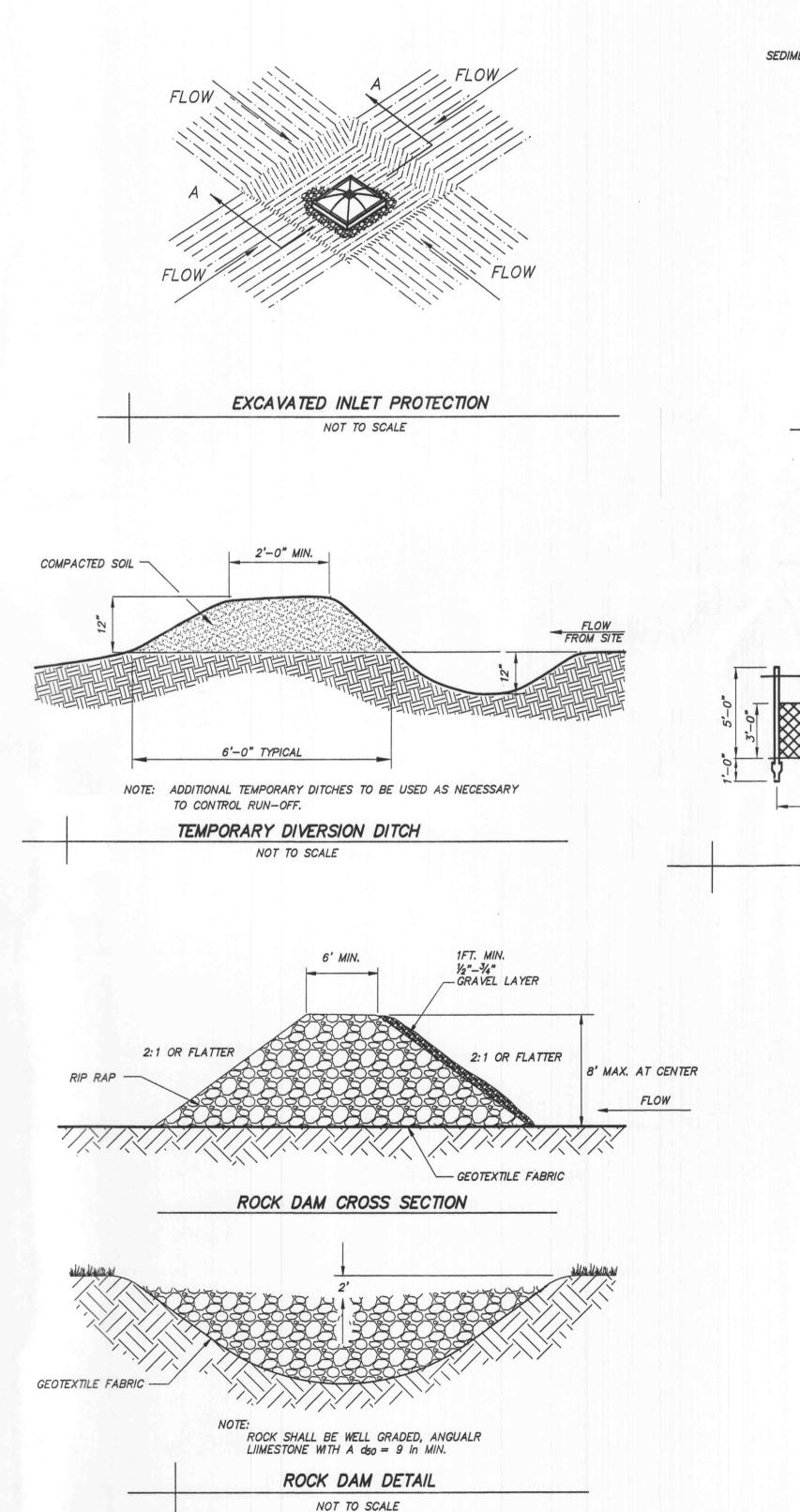
4. ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE FINISH GRADED, SEEDED AND MULCHED IMMEDIATELY UPON COMPLETION OF CONSTRUCTION.

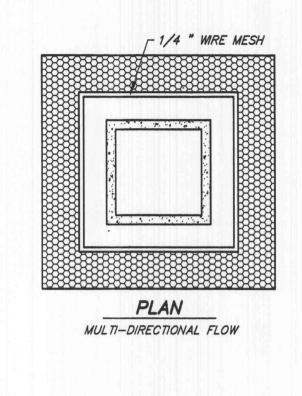
5. ENKAMAT 7010 OR EQUAL EROSION CONTROL MATTING SHALL BE PLACED

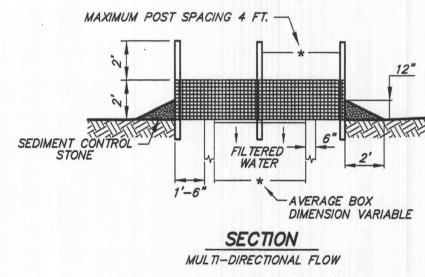
AS PER CITY OF COLUMBIA SPECIFICATIONS IN NEWLY CONSTRUCTED DRAINAGE SWALES IMMEDIATELY AFTER FINISH GRADING AND SEEDING.

3. SILT TRAPPED BY EROSION CONTROL BARRIER SHALL BE REMOVED AS

ESTABLISHED ON AFFECTED AREAS TO PREVENT EROSION.



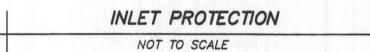


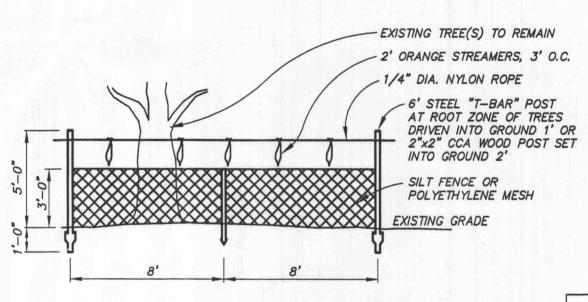


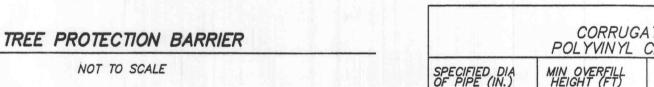
- 1. SEDIMENT CONTROL STONE SHALL BE 3/4" WASHED STONE.
 2. WIRE MESH SHALL BE HARDWARE CLOTH 23 GAUGE MIN. AND SHALL HAVE 1/4 INCH MESH OPENINGS.
- 3. TOP OF WIRE MESH SHALL BE A MINIMUM OF ONE FOOT BELOW THE SHOULDER OR ANY DIVERSION POINT.
 4. STEEL POST SHALL BE 5 FT. IN HEIGHT, BE INSTALLED 1.5 FT. DEEP MINIMUM, AND BE OF THE SELF-FASTENER
- ANGLE STEEL TYPE.

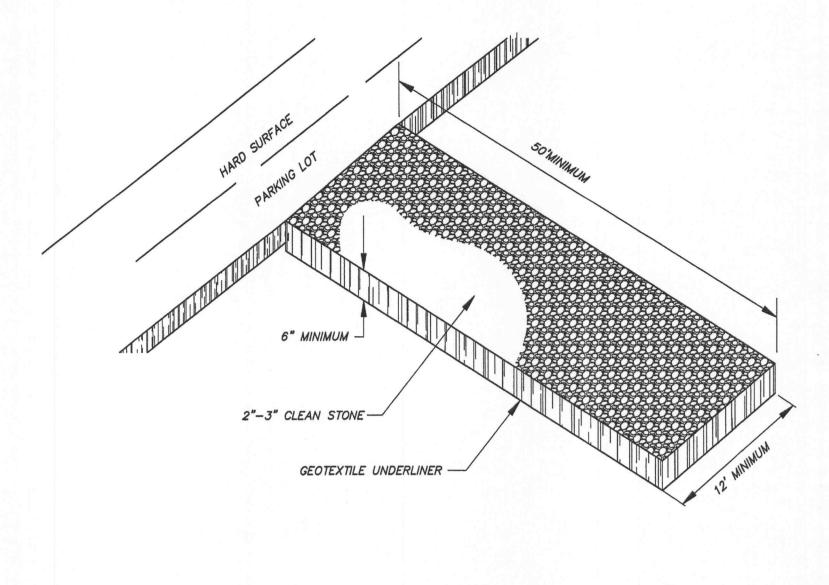
 5. WOOD POST SHALL BE 6 FT. IN HEIGHT, BE INSTALLED TO
 1.5 FT. DEEP MINIMUM, AND BE 3 INCHES IN DIAMETER.

 6. POST SPACING SHALL BE A MAXIMUM OF 4 FT.

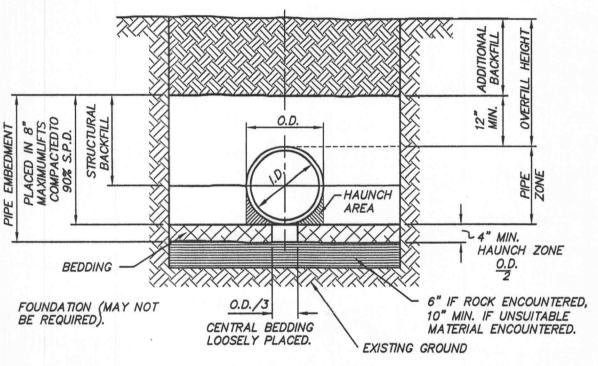












TYPICAL TRENCH DETAIL

BACKFILL NOTES

BEDDING, HAUNCH, AND STRUCTURAL BACKFILL SHALL BE IN CONFORMANCE W/ AASHTO M145 GROUP A-1, A-2, OR A-3 COMPACTED TO A MINIMUM OF 95% OF THE MAXIMUM DRY DENSITY AS DEFINED BY ASTM D698.

ADDITIONAL BACKFILL SHALL BE PLACED IN LIFTS NOT TO EXCEED 8 INCHES AND COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY AS DEFINED BY ASTM 0698.

	CORRUG. POLYVINYL	TABLE I ATED HDPE AI CHLORIDE CIR	ND CULAR PIPE		
SPECIFIED DIA OF PIPE (IN.)	MIN OVERFILL HEIGHT (FT)	HDPE MAX OVERFILL HEIGHT* (FT)	POLYVINYL CHLORIDE MAX OVERFILL HEIGHT* (FT)		TRENCH WIDTH
			SDR 35#	SDR 26#	(//٧.)
12	1	38	15 .	30	34
15	1	39	15	30	39
18	1	40	15	30	44
24	1	40	15	30	55
30	1	40	N/A	N/A	67
36	1	38	N/A	N/A	76
42	2	23	N/A	N/A	84
48	2	12	N/A	N/A	95
54	2	12	N/A	N/A	104
60	2	12	N/A	N/A	113

* MAXIMUM OVERFILL MEASURED FROM THE TOP OF PIPE TO SURFACE

PARALLE	TABLE I	
PIPE SIZE	S (IN.)	X (IN.)
12	12	9
15	12	9
18	12	9
24	12	10
30	15	16
36	18	18
42	21	18
48	24	18

S = MINIMUM PIPE SEPARATION (IN) BETWEEN OUTSIDE WALLS OF PIPES. X = MINIMUM SEPARATION BETWEEN TRENCH WALL AND OUTSIDE WALL OF PIPE.

CONSTRUCTION SEQUENCE

 PLACE BEDDING MATERIAL TO GRADE.
 COMPACT BEDDING OUTSIDE THE MIDDLE THIRD OF THE PIPE. 3. INSTALL PIPE TO GRADE. 4. PLACE AND COMPACT THE HAUNCH AREA UP TO THE SPRINGLINE. 5. COMPLETE BACKFILL ACCORDING TO SPECIFICATIONS.

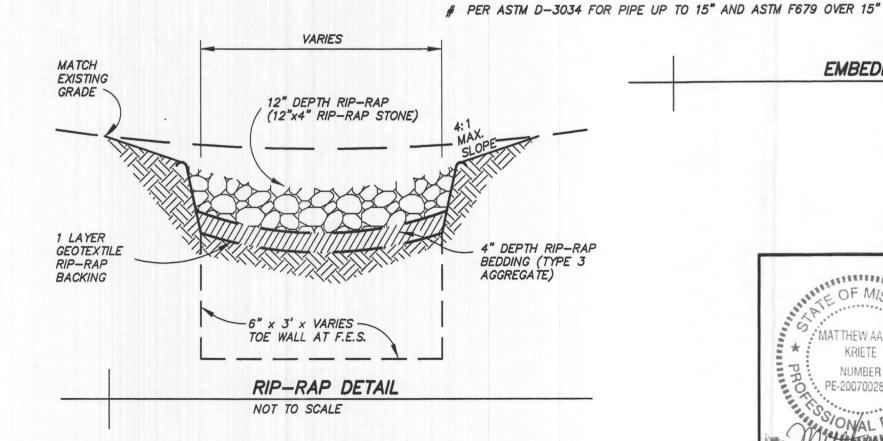
LEGEND

I.D. = NORMAL INSIDE DIAMETER OF PIPE. O.D. = OUTSIDE DIAMETER OF PIPE. H = FILL COVER HEIGHT OVER PIPE (FEET). MIN. = MINIMUM MAX.= MAXIMUM

= UNDISTURBED SOIL

		TABLE II				
MI	NIMUM COVER	FOR CONSTRUC	CTION LOADS			
PIPE DIA.	MINIMUM COVER (FT) FOR INDICATED AXLE LOADS (THOUSANDS OF POUNDS)					
	18-50	50-75	75-110	110-150		
12-36	2.0	2.5	3.0	3.0		
42-48	3.0	3.0	3.5	4.0		

THE CONTRACTOR SHALL PROVIDE MINIMUM COVER PLUS ANY ADDITIONAL COVER REQUIRED TO AVOID DAMAGE TO THE PIPE. IN UNPAVED SITUATIONS, THE SURFACE MUST BE MAINTAINED TO A LEVEL AND NON-RUTTED CONDITION.



EMBEDMENT OF PLASTIC STORM SEWER PIPE NOT TO SCALE

PLANNING & DEVELOPMENT #4204.04

DETAILS

. MATTHEW AARON KRIETE NUMBER Surveyed: PE-2007002811 Drawn: JLS

GENTEMANN MANOR III

ST. CHARLES COUNTY, O'FALLON, MISSOURI

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Revised

Engineering Surveys & Services 1113 Fay Street Columbia, Missouri Checked: TO/MA 573 - 449 - 2646 MATTHEW A. KRIETE PROFESSIONAL ENGINEER PE-2007002811 AS SHOWN