

### MDOT GRAVEL SPECIFICATIONS SECTION 703.06

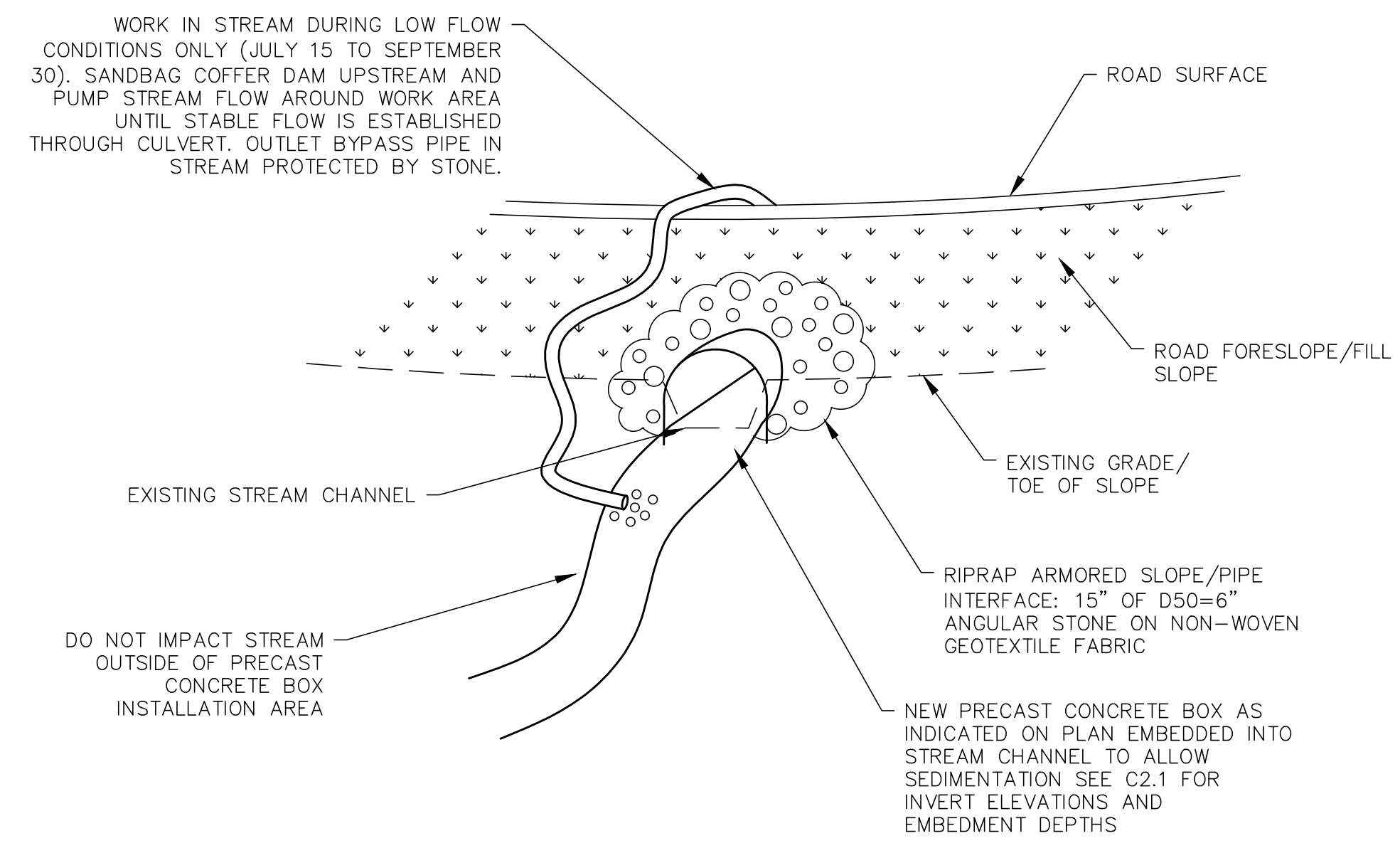
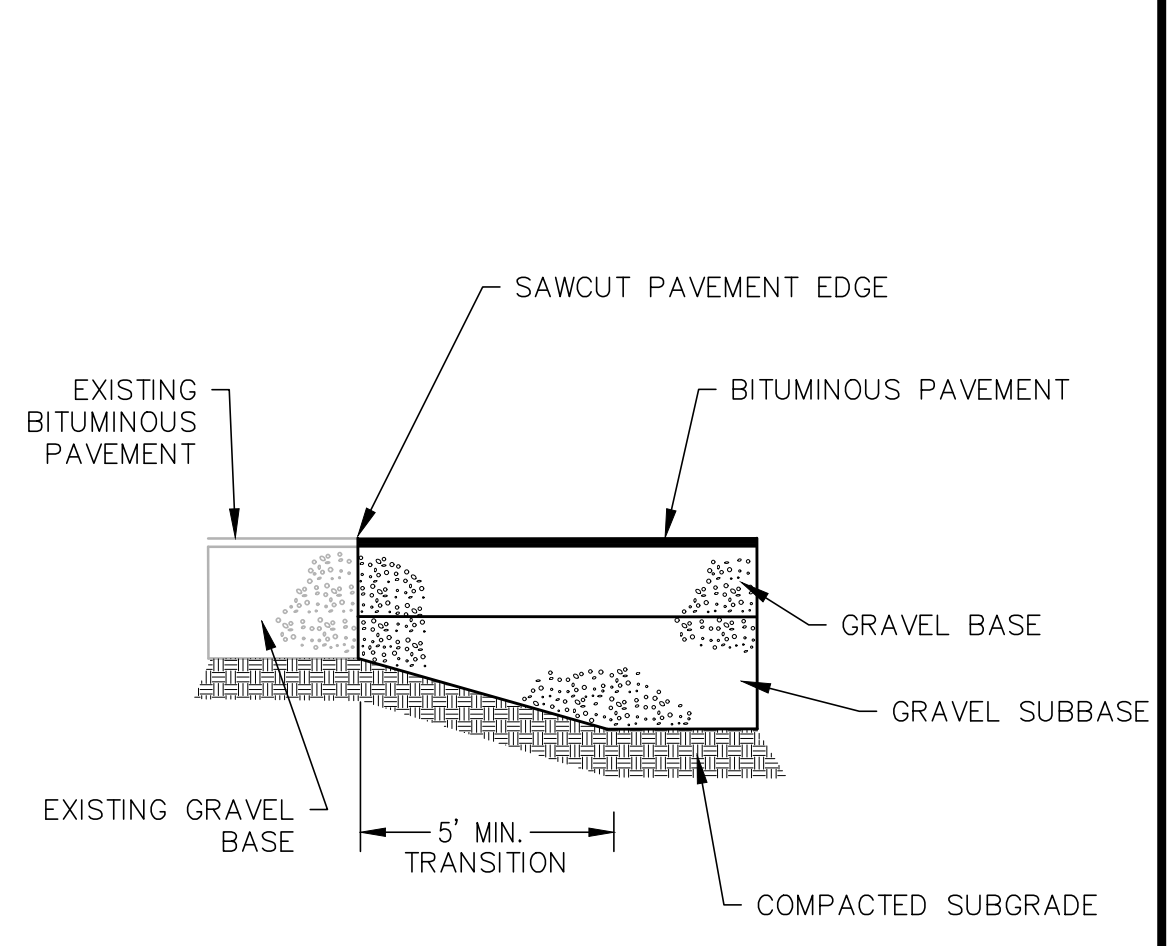
SIEVE DESIGNATION	PERCENTAGE BY WEIGHT PASSING SQUARE MESH SIEVES				
	TYPE A	TYPE B	TYPE C	TYPE D	TYPE E
4 INCH			100		
3 INCH			90-100		
2 INCH			75-100		
1 INCH			50-80		
1/2 INCH	45-70	35-75	30-60	35-80	
1/4 INCH	30-55	25-60		25-65	25-100
NO. 4			15-40		
NO. 40	0-20	0-25		0-30	0-50
NO. 200	0-6.0	0-6.0	0-6.0	0-7.0	0-7.0

NOTE:  
TYPE A SHALL BE CRUSHED LEDGE OR CRUSHED GRAVEL. TYPE A AGGREGATE FOR BASE SHALL ONLY CONTAIN PARTICLES OF ROCK WHICH PASS THE 2 INCH SIEVE. AT LEAST 50 PERCENT OF THE MATERIAL RETAINED ON THE NO. 4 SIEVE SHALL HAVE AT LEAST 1 FRACTURED FACE AS TESTED BY AASHTO T 335.

NOTE:  
TYPE B SHALL BE CRUSHED LEDGE OR CRUSHED GRAVEL. TYPE B AGGREGATE FOR BASE SHALL ONLY CONTAIN PARTICLES OF ROCK WHICH PASS THE 4 INCH SIEVE.

NOTE:  
TYPE C SHALL BE CRUSHED LEDGE OR CRUSHED GRAVEL AND AGGREGATE FOR BASE SHALL ONLY CONTAIN PARTICLES OF ROCK WHICH PASS THE 6 INCH SIEVE. AT LEAST 50 PERCENT OF THE MATERIAL RETAINED ON THE NO. 4 SIEVE SHALL HAVE AT LEAST 1 FRACTURED FACE AS TESTED BY AASHTO T 335.

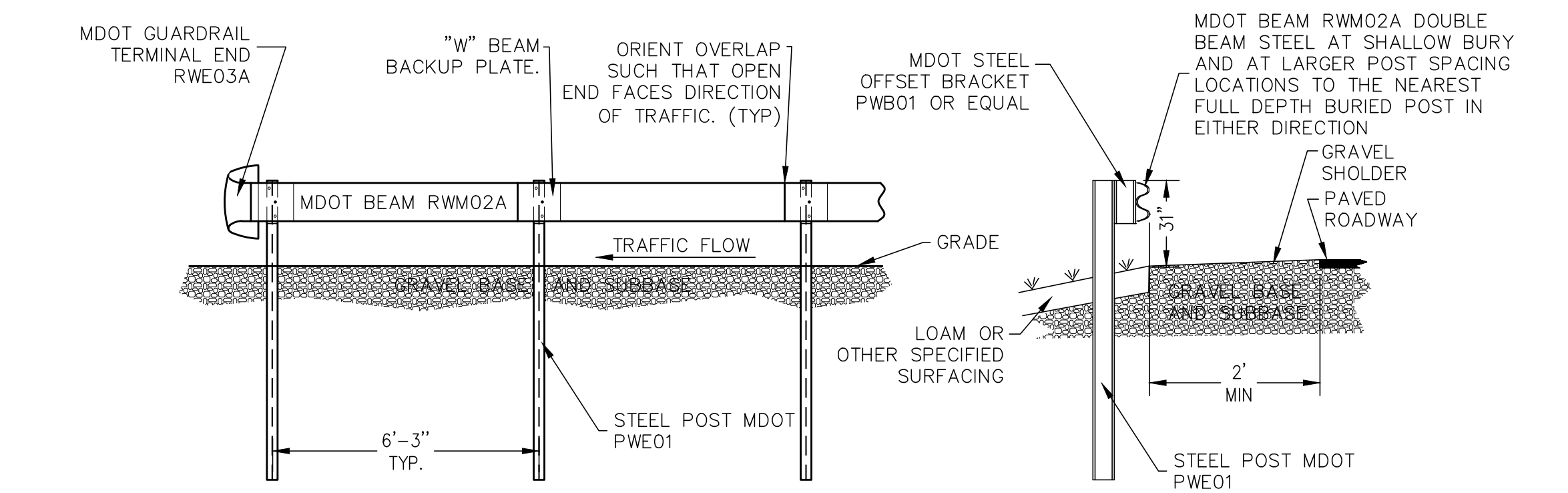
NOTE:  
AGGREGATE FOR SUB-BASE SHALL BE SAND OR GRAVEL OF HARD DURABLE PARTICLES FREE OF VEGETABLE MATTER, LUMPS OF CLAY, AND OTHER DELETERIOUS SUBSTANCES. AGGREGATE FOR SUB-BASE SHALL NOT CONTAIN PARTICLES THAT DO NOT PASS THE 6 INCH SIEVE.



TYPICAL MAINE DOT GRAVEL SPECS  
NOT TO SCALE

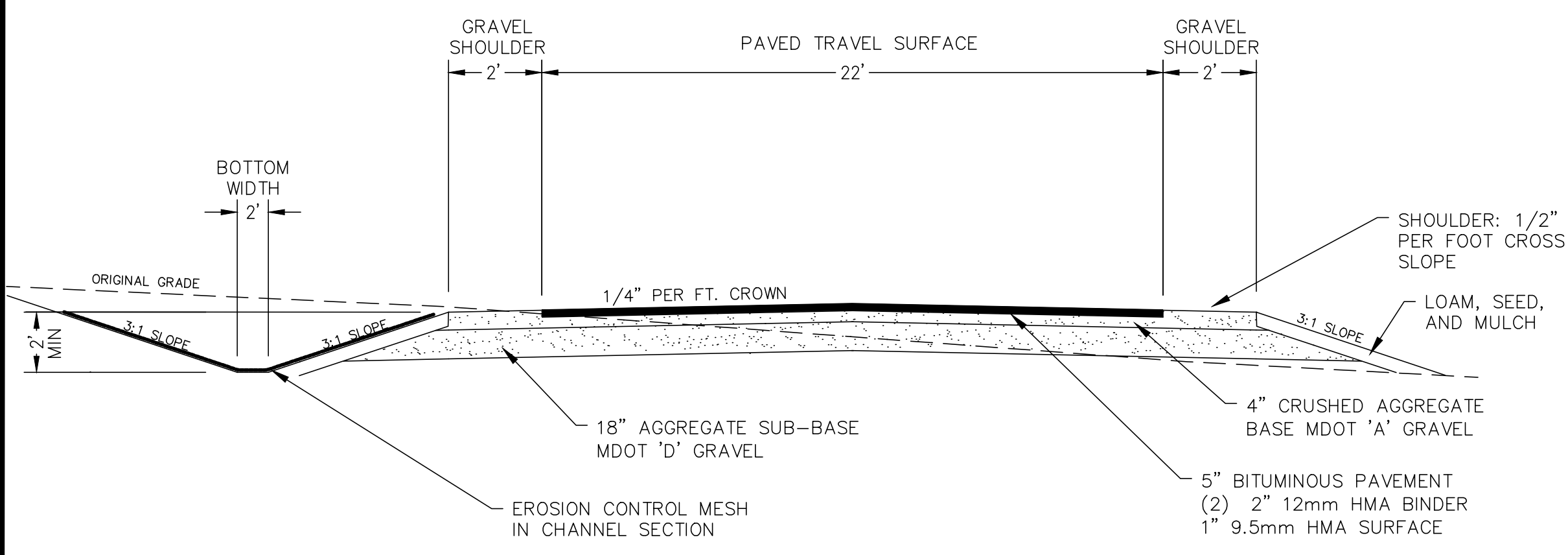
SLOPED GRAVEL AT PAVEMENT SAWCUTS  
NOT TO SCALE

TYPICAL STREAM CROSSING  
NOT TO SCALE

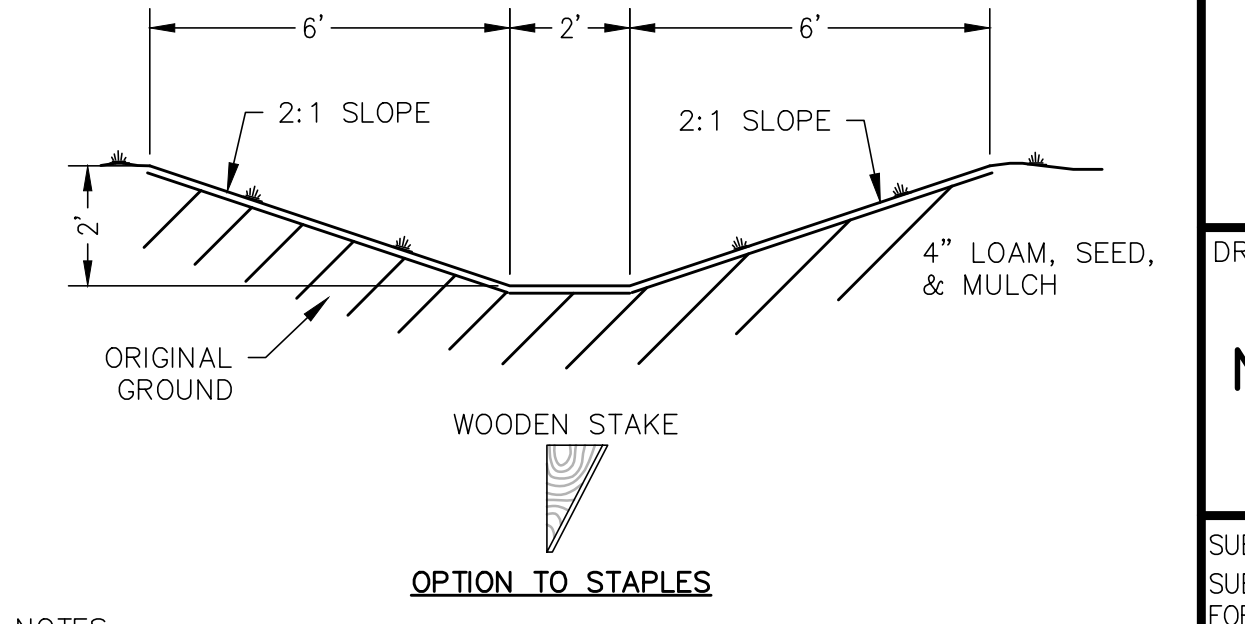


NOTES:  
REFERENCE MDOT TYPICAL DETAILS SECTIONS 606(03), 606(04), 606(05), 606(06), 606(20), 606(21), 606(22), AND 606(23) FOR GUARDRAIL TYPE 3 - SINGLE RAIL.  
NOT IN CONTRACT

TYP MDOT TYPE 3 GUARDRAIL  
NOT TO SCALE

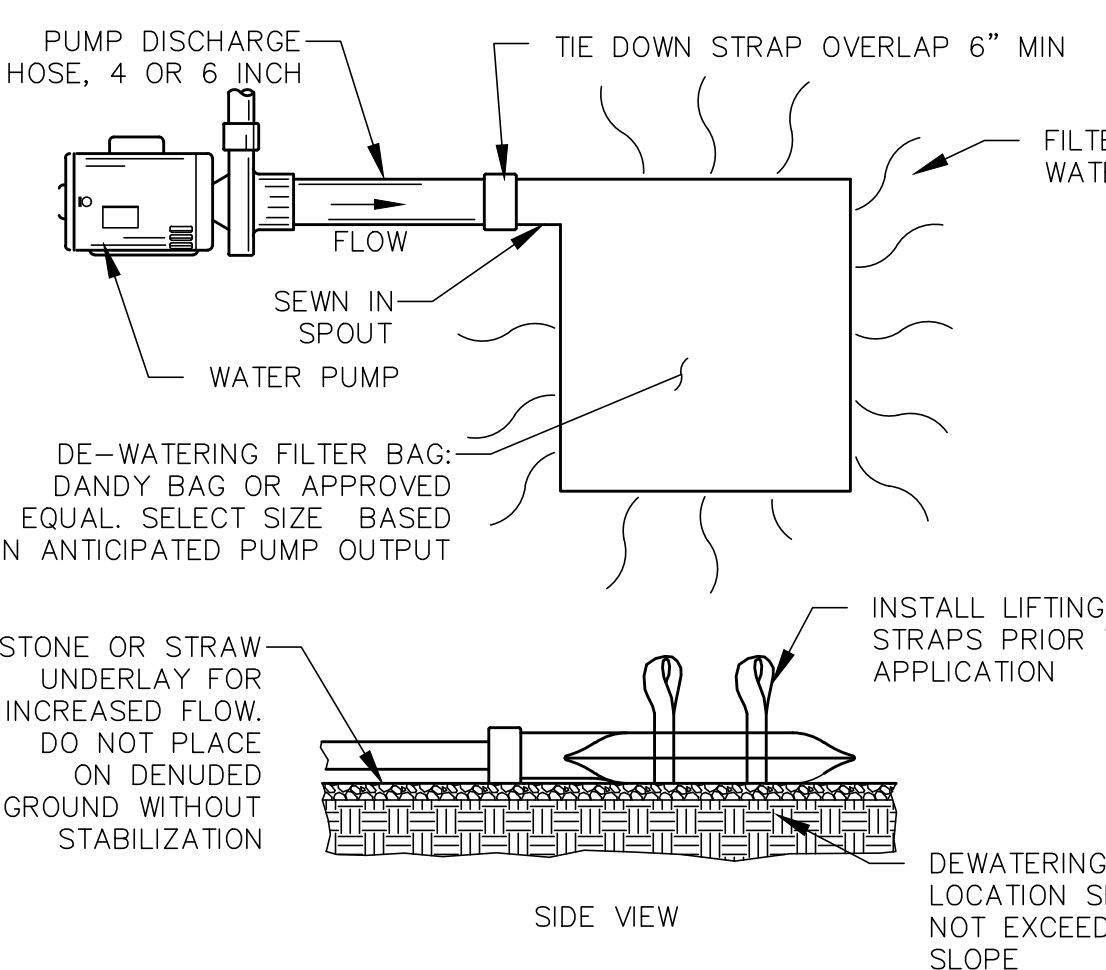


TYPICAL PAVED ROAD SECTION  
NOT TO SCALE

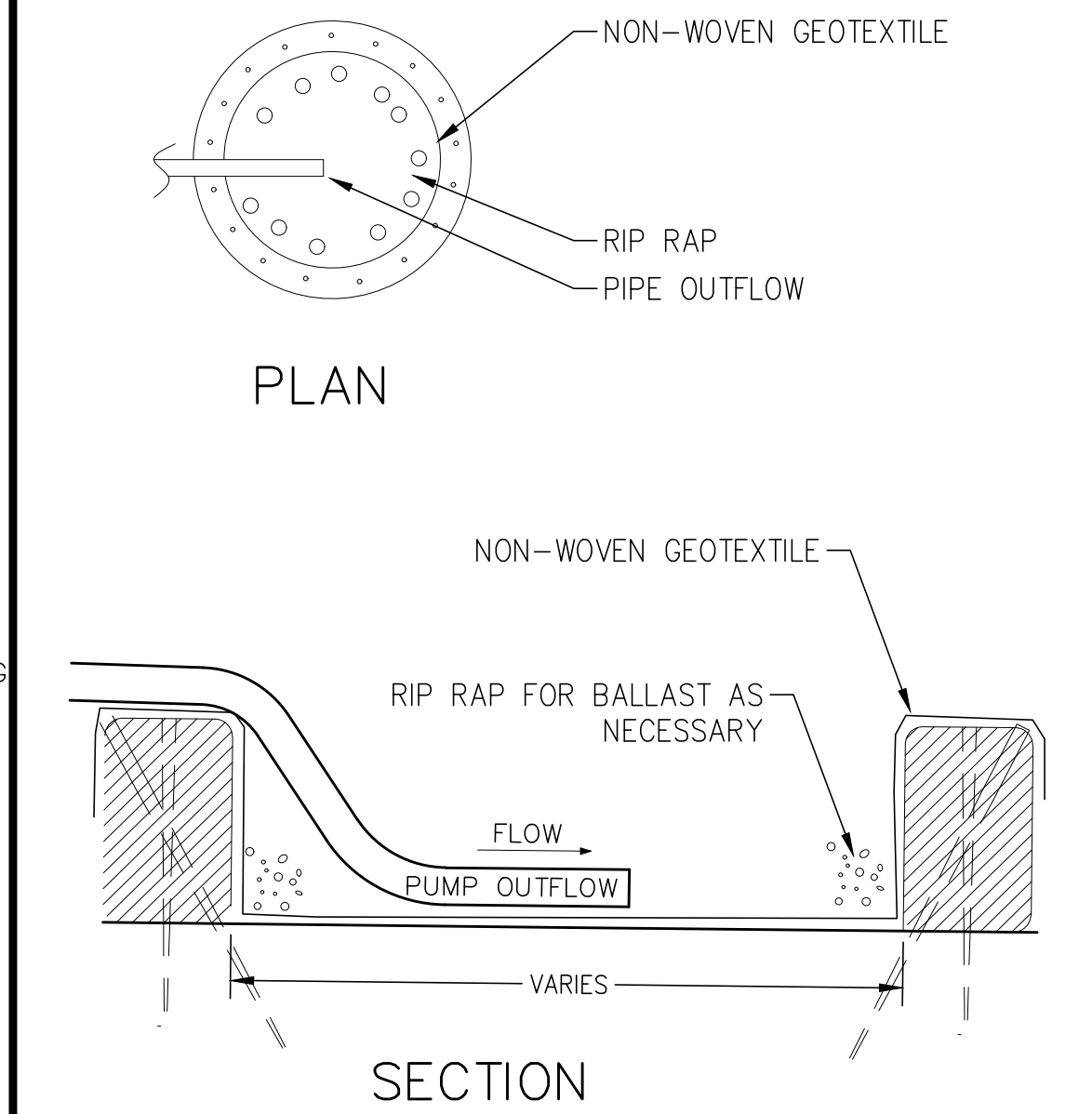


NOTES:  
1. FLOW AREA OF GRASS DITCH TO BE LINED WITH AMERICAN EXCELSIOR CURLEX BANKMENT OR EQUAL, INSTALLED PER MANUFACTURER'S RECOMMENDATION WITHIN 48 HOURS OF FINAL DITCH GRADING.  
2. BURY THE TOP OF THE NETTING IN A TRENCH 6" OR MORE DEEP.  
3. TAM TRENCH FULL OF SOIL, SECURE WITH ROW OF STAPLES (OR WOOD STAKES), 12" SPACING, 4" DOWN FROM THE TRENCH.  
4. OVERLAP-BURY UPPER END OF LOWER STRIP AS IN "A" & "B" OVERLAP END OF TOP STRIP 4" AND STAPLE OR WOOD STAKE.  
5. CHECK SLOT-FOLD OF NETTING BURIED IN SLIT TRENCH TAMPED; DOUBLE ROW OF STAPLES (OR WOOD STAKES) AT 12" SPACING, USE CHECK SLOTS AT 15" SPACING IN DITCHES OR STEEP SLOPES.

TYPICAL GRASS DITCH  
NOT TO SCALE

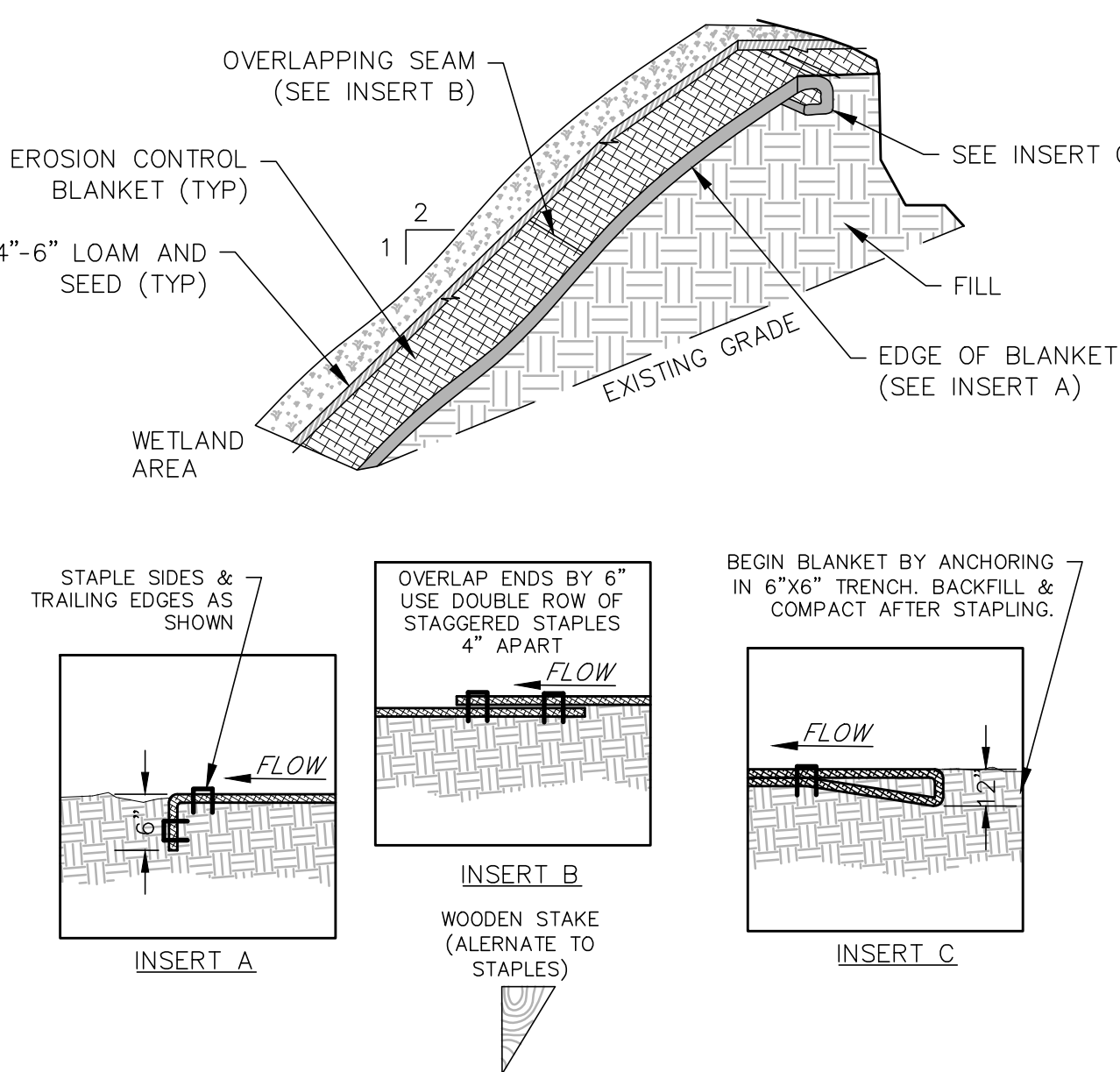


Mechanical Properties	Test Method	Units	MARV
Grab Tensile Strength	ASTM D 4632	kN (lbf)	0.9 (205) x 0.9 (205)
Grab Tensile Elongation	ASTM D 4632	%	50 x 30
Puncture Strength	ASTM D 4635	kN (lbf)	0.58 (130)
Mullen Burst Strength	ASTM D 3786	kPa (psi)	2618 (380)
Trapezoid Tear Strength	ASTM D 4535	kN (lbf)	0.36 (80) x 0.36 (80)
UV Resistance	ASTM D 4355	%	70
Apparent Opening Size	ASTM D 4751	mm (in) (50 Microns)	0.180 (80)
Flow Rate	ASTM D 4491	l/min/m <sup>2</sup> (gpm/ft <sup>2</sup> )	3886 (95)
Permittivity	ASTM D 4491	sec <sup>-1</sup>	1.2

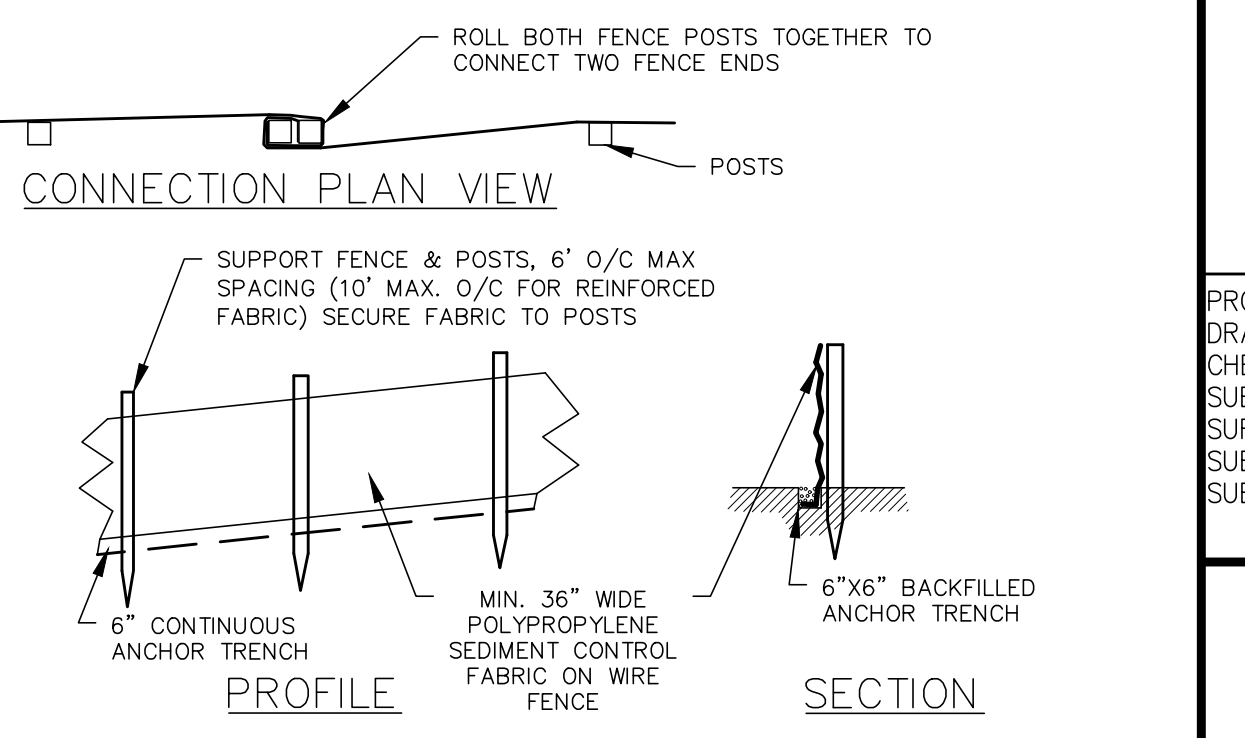


DEWATERING SEDIMENT FILTER  
NOT TO SCALE

NOTES:  
1. FILL SHALL BE COMPACTED IN 6" TO 12" LAYERS TO AVOID SETTLEMENT. COMPACT FILL UNDER PAVEMENTS AND GRAVEL AREAS TO 95% OF MAXIMUM DRY DENSITY; AND UNDER GRASS OR MULCH AREAS TO 90% OF MAXIMUM DRY DENSITY.  
2. SOILS SHALL NOT CONTAIN COBBLES LARGER THAN 8" IN THE GREATEST DIMENSION, ICE, FROZEN SOIL, OR ROOTS/STUMPAGE.  
3. DO NO WORK ON FROZEN OR MUDDY GROUND.  
4. UNROLL MAT ONTO GROUND IN DIRECTION OF WATER FLOW.  
5. MAT SHOULD LIE FLAT. DO NOT STRETCH MAT OVER GROUND. STRETCHING MAY CAUSE MAT TO BRIDGE DEPRESSIONS IN THE SURFACE AND ALLOW EROSION UNDERNEATH.  
6. BURY TRANSVERSE TERMINAL ENDS OF MAT TO SECURE AND PREVENT EROSION UNDERNEATH.  
7. SECURE MAT SNUGLY INTO ALL TRANSVERSE CHECK SLOTS.  
8. BACKFILL AND COMPACT TRENCHES AND CHECK SLOTS AFTER STAKING THE MAT IN BOTTOM OF TRENCH.  
9. OVERLAP ROLL ENDS BY THREE (3) FEET (MIN.) WITH UPSLOPE MAT ON TOP TO PREVENT UPLIFT OF MAT END BY WATER FLOW. IF INSTALLING IN THE DIRECTION OF A CONCENTRATED WATERFLOW, START NEW ROLLS IN A TRANSVERSE DITCH.  
10. OVERLAP ADJACENT EDGES OF MAT BY THREE (3) INCHES (MIN.) AND STAKE.  
11. WOOD STAKES ARE RECOMMENDED FOR PINNING MAT TO THE GROUND SURFACE. STAKES SHOULD BE 1" X 3" NOMINAL STOCK CUT IN A TRIANGULAR SHAPE. STAKES SHOULD BE 12" TO 18" LONG, DEPENDING ON SOIL DENSITY.  
12. DRIVE WOODEN STAKES TO WITHIN THREE (3) INCHES OF GROUND SURFACE. DO NOT DRIVE FLUSH TO SURFACE.  
13. IN ALL TRANSVERSE TERMINAL TRENCHES AND CHECK SLOTS, STAKE EACH MAT AT ITS CENTER AND OVERLAP EDGES BEFORE BACKFILLING AND COMPACTING.  
14. STAKE OVERLAPS LONGITUDINALLY AT THREE (3) TO FIVE (5) FOOT INTERVALS.  
15. FOLLOW COLORED DOT PATTERNS BY MANUFACTURER.



EMBANKMENT W/EROSION CONTROL BLANKET  
NOT TO SCALE



NOTES:  
1. PLACE SILT FENCE OR FILTER BERMS ALONG UNIFORMLY SLOPED SURFACE.  
2. EROSION CONTROL MIX FILTER BERM MAY BE SUBSTITUTED FOR A SILTFENCE. SEE THE SITE GRADING AND EROSION CONTROL PLAN.  
3. EXCAVATE A 6"x6" TRENCH ALONG THE LINE OF PLACEMENT FOR THE FILTER BARRIER.  
4. UNROLL ONE SECTION AT A TIME AND POSITION THE POSTS AGAINST THE BACK (DOWNSTREAM) WALL OF THE TRENCH.  
5. DRIVE THE POSTS INTO THE GROUND UNTIL APPROXIMATELY 2" OF FABRIC IS LYING ON THE TRENCH BOTTOM. JOIN SECTIONS AS SHOWN ABOVE.  
6. LAY THE TOE-IN FLAP OF FABRIC ONTO THE UNDISTURBED BOTTOM OF THE TRENCH. BACKFILL THE TRENCH AND TAMP THE SOIL. TOE-IN CAN ALSO BE ACCOMPLISHED BY LAYING THE FABRIC FLAP ON UNDISTURBED GROUND AND PILING AND TAMPING FILL AT THE BASE, BUT MUST BE ACCOMPLISHED BY AN INTERCEPTION DITCH.  
7. BARRIER SHALL BE MIRAFI SILT FENCE OR APPROVED EQUAL.

SILT FENCE  
NOT TO SCALE



**MAIN-LAND**  
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PROJECT  
**MACOMBER HILL  
ROAD CULVERT  
RECONSTRUCTION**  
MACOMBER HILL ROAD  
JAY, MAINE 04239

OWNER OF RECORD  
**TOWN OF JAY**

MADE FOR  
**TOWN OF JAY**

340 MAIN STREET  
JAY, MAINE 04239

DRAWING SCALE:  
**NOT TO SCALE**

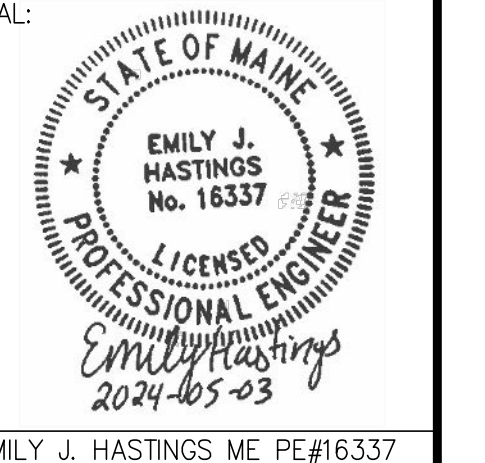
SUBMISSION NOTES:  
SUBMISSION 1: 2023-12-21 E.J.H. FOR REVIEW

SUBMISSION 2: 2024-01-25 E.J.H. FOR PERMITTING

SUBMISSION 3: 2024-05-03 E.J.H. FOR BID

PROJ. MGR: RWD  
DRAWN BY: E.J.H.  
CHECKED BY: RWD  
SUBMISSION NO. 3  
SURVEY DATE: 2023-11-07  
SUBMISSION DATE: 2024-05-03  
SUBMITTED FOR: REVIEW  
**FOR BID**

**SITE PLANS**



EMILY J. HASTINGS ME PE#16337  
DRAWING NO.

**C9.1**  
MLDC NO. 23-356 5 OF 5