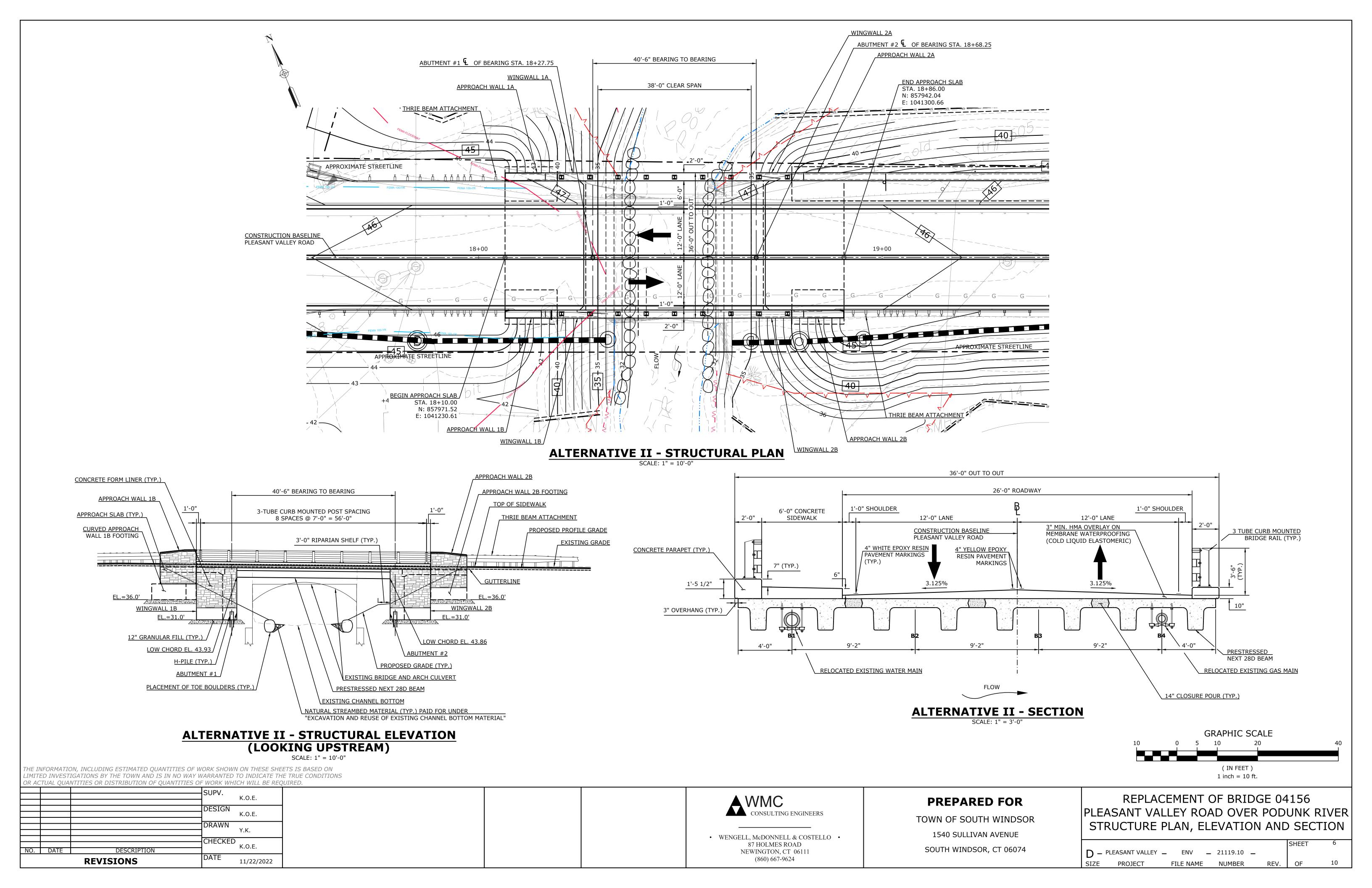


REV. OF

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EXISTING BRIDGE (TYP.) 04156 SUGGESTED STAGE 1 CONSTRUCTION SEQUENCE NOTES INSTALL NECESSARY EROSION AND SEDIMENTATION CONTROLS. PERFORM NECESSARY CLEARING AND GRUBBING. COORDINATE RELOCATION OF EXISTING UTILITIES (REFER TO UTILITY RELOCATION PLANS). INSTALL TEMPORARY TRAFFIC BARRIERS AND CLOSE PLEASANT VALLEY ROAD TO TRAFFIC. INSTALL DEBRIS SHIELD (MIN. ELEVATION 37'). PAID FOR UNDER ITEM "REMOVAL OF WATER-HANDLING-COFFERDAM (TYP.) PAID REMOVE EXISTING SUPERSTRUCTURE. THE CONTRACTOR SHALL PREVENT DEBRIS, TOOLS, AND/OR UNDER ITEM "HANDLING WATER" OTHER MATERIALS FROM ENTERING INTO OR DROPPING INTO THE WATERWAY ADJACENT TO THE ABUTMENT #1 4 OF BEARING STA. 18+27.75 STRUCTURE. ALL DEBRIS DROPPED INTO THE WATERWAY SHALL BE PROMPTLY CLEANED UP AND REMOVED FROM THE SITE AT THE SOLE EXPENSE OF THE CONTRACTOR AT NO ADDITIONAL COST TO THE MUNICIPALITY. 9'-0" MIN. HYDRAULIC OPENING INSTALL TEMPORARY WATER-HANDLING-COFFERDAMS AS SHOWN AND MAINTAIN FLOW THROUGH APPROACH WALL 1A BRIDGE 04156. THE MAXIMUM WATER-HANDLING-COFFERDAM ELEVATION SHALL BE XXX FEET WHICH SHALL PROVIDE PROTECTION FOR THE 2 YEAR STORM DISCHARGE WITH XX FEET OF FREEBOARD. THE MINIMUM WATER-HANDLING-COFFERDAM ELEVATION SHALL BE XX FEET. INSTALL DEWATERING BASIN. EFFLUENT FROM DEWATERED WORK AREA(S) SHALL NOT BE DISCHARGED DIRECTLY TO THE STREAM BUT MUST BE PROCESSED THROUGH TREATMENT STRUCTURE(S). SUCH STRUCTURE(S) SHOULD NOT BE LOCATED WITHIN THE STREAM CHANNEL OR ADJACENT WETLANDS. SEE WATER HANDLING NOTES. PROPOSED SETTLING BASIN (TYP.) 9. ANY SURFACE RUNOFF OR GROUNDWATER DISCHARGING INTO A CONFINED WORK AREA SHALL BE PAID UNDER ITEM "HANDLING WATER" DIVERTED OR PUMPED OUTSIDE THE CONFINED AREAS. THE CONTRACTOR SHALL SUBMIT THE MEANS AND METHODS OF HANDLING THE DISCHARGE TO THE ENGINEER FOR APPROVAL. WORK PAID UNDER "HANDLING WATER". 10. THE INSTALLATION, MAINTENANCE AND REMOVAL OF THE PROPOSED SETTLING BASIN SHALL BE PAID FOR UNDER ITEM "HANDLING WATER". 11. REMOVE EXISTING WINGWALLS AND ABUTMENTS IN THEIR ENTIRETY OR A MINIMUN OF 2 FEET BELOW PROPOSED CHANNEL GRADE. APPROXIMATE STREETLINE 12. INSTALL MICROPILES, ABUTMENTS AND WINGWALLS. 13. INSTALL TOE BOULDERS, ROUNDED RIPRAP AND BACKFILL AS NOTED BELOW. ************* NOTE: BACKFILL WILL BE PERMITTED AT THE ABUTMENTS ONLY TO THE PROPOSED GRADE ON THE RIVERSIDE OF THE ABUTMENT. FINAL BACKFILLING SHALL NOT BEGIN UNTIL THE ABUTMENT AND P.S.B. DECK CONSTRUCTION IS COMPLETED AND BOTH ABUTMENTS SHALL BE BACKFILLED SIMULTANEOUSLY. NO MORE THAN 12" OF DIFFERENTIAL BACKFILL HEIGHT SHALL BE PERMITTED. 14. INSTALL APPROACH WALLS AND COMPLETE ABUTMENT AND DECK CONSTRUCTION. 15. BACKFILL AS NOTED AND COMPLETE ROUNDED RIPRAP AND EMBANKMENT GRADING. **CONSTRUCTION BASELINE** 16. REMOVE WATER-HANDLING-COFFERDAMS. PLEASANT VALLEY ROAD 17. COMPLETE REMAINING ROADWAY WORK. 18. MAINTAIN NECESSARY EROSION AND SEDIMENTATION CONTROLS. 19. THE SEDIMENTATION CONTROL SYSTEM IS TO BE REMOVED AFTER IMPACTED AREAS ARE STABILIZED AND VEGETATION HAS BEEN ESTABLISHED.

04156 TEMPORARY FACILITIES HYDRAULICS						
AVERAGE DAILY FLOW	XX C.F.S.					
AVERAGE SPRING FLOW	XX C.F.S.					
2 YEAR FREQUENCY DISCHARGE	XX C.F.S.					
TEMPORARY DESIGN DISCHARGE	XX C.F.S.					
TEMPORARY DESIGN FREQUENCY	2 YEAR					
TEMPORARY WATER SURFACE ELEVATION UPSTREAM	XX FT.					
TEMPORARY WATER SURFACE ELEVATION DOWNSTREAM	XX FT.					

NCONFINED IN-STREAM: UNCONFINED IN-STREAM ACTIVITIES MUST BE LIMITED TO

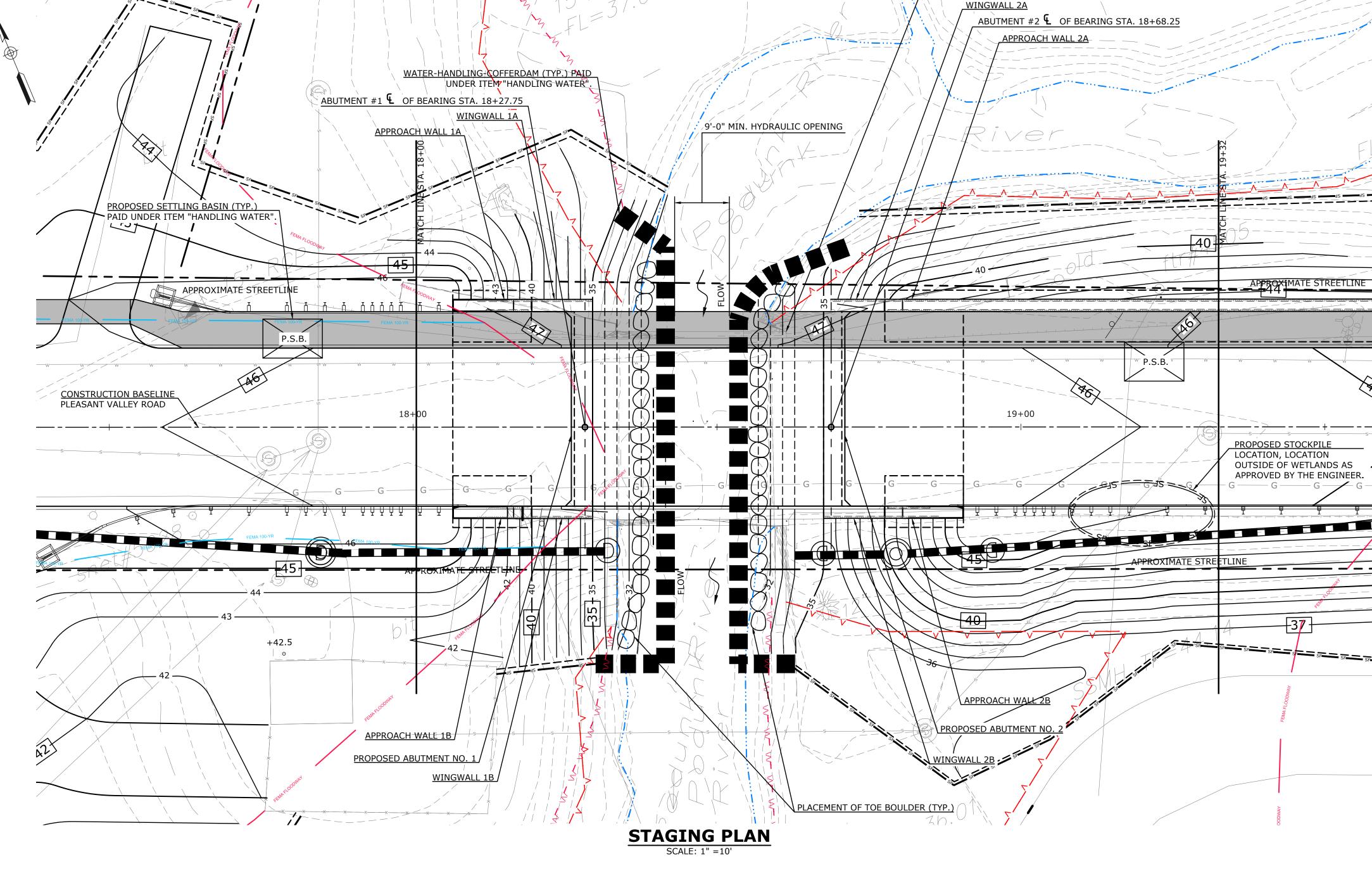
THE TIME PERIOD JUNE 1 THROUGH SEPTEMBER 30.

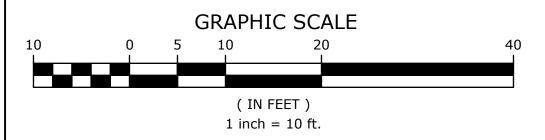
SPECIES OF SPECIAL CONCERN: CONSTRUCTION ACTIVITIES SHALL BE IN ACCORDANCE SPECIAL PROVISION " SECTION 1.10 - ENVIRONMENTAL COMPLIANCE".

TOE BOULDERS SHALL BE A MINIMUM OF 3'-4' DIAMETER AND ROUNDED.

1. THE CONTRACTOR SHALL MAINTAIN WATER THROUGH THE

- WATER-HANDLING-COFFERDAMS AS SHOWN DURING CONSTRUCTION OF BRIDGE
- EQUIPMENT SHALL NOT BE PERMITTED IN THE STREAM WHEN WATER-HANDLING-COFFERDAMS ARE NOT IN PLACE WITHOUT THE APPROVAL OF
- PRIOR TO ANY DEWATERING, THE CONTRACTOR MUST SUBMIT TO THE ENGINEER A WRITTEN PROPOSAL FOR SPECIFIC METHODS AND DEVICES TO BE USED AND MUST OBTAIN THE ENGINEER'S WRITTEN APPROVAL OF SUCH METHODS AND DEVICES.
- WATER-HANDLING-COFFERDAMS SHALL CONSIST OF ANY APPROVED SYSTEM THAT THE CONTRACTOR ELECTS TO USE WHICH WILL SAFELY PROTECT THE CONSTRUCTION AREA FROM THE TEMPORARY DESIGN DISCHARGE ELEVATION, SHALL BE ABLE TO SUPPORT CONSTRUCTION ACTIVITY AND EXCAVATION, AND SHALL CONFORM TO PERMITS.





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CONSULTING ENGINEERS

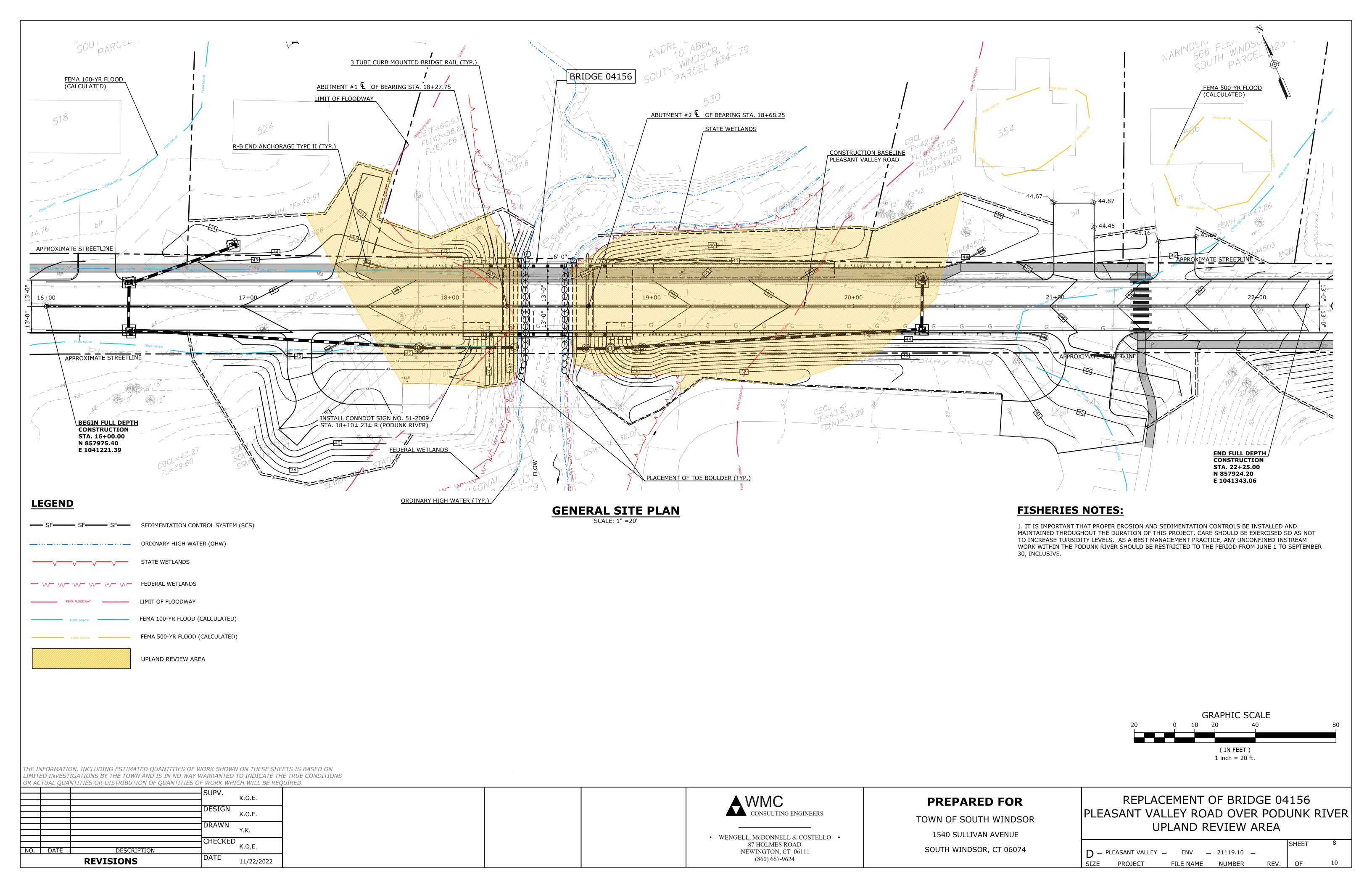
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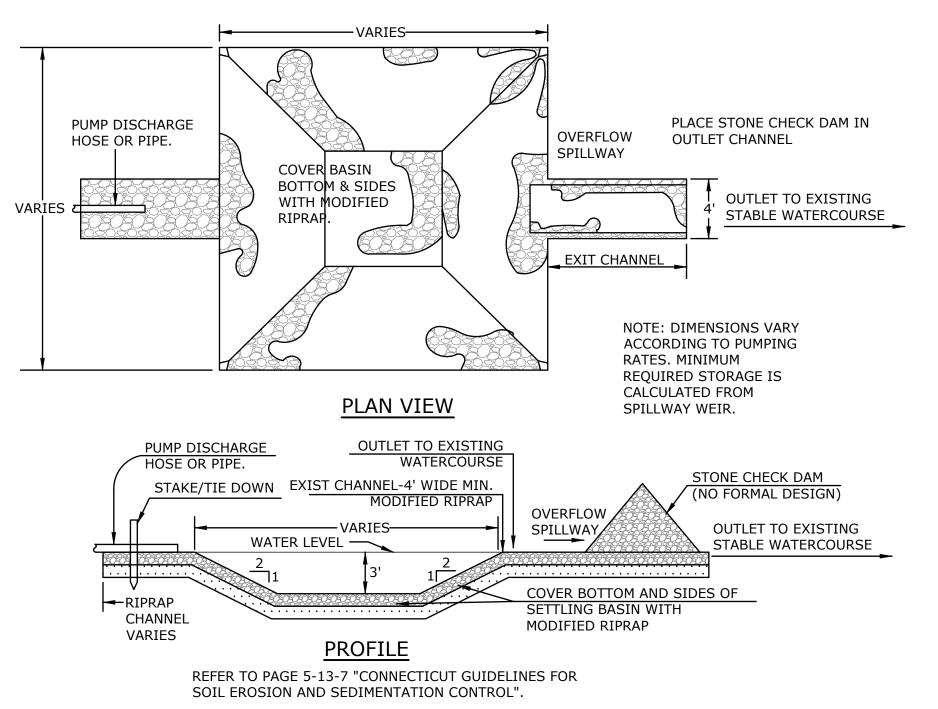
PREPARED FOR

TOWN OF SOUTH WINDSOR 1540 SULLIVAN AVENUE SOUTH WINDSOR, CT 06074

REPLACEMENT OF BRIDGE 04156 PLEASANT VALLEY ROAD OVER PODUNK RIVER HANDLING WATER PLAN

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TYPE III PUMPING SETTLING BASIN

- 1. LOCATION AS DIRECTED BY ENGINEER. REMOVE WHEN PUMPING IS COMPLETED.
- 2. PUMP DISCHARGE PAD HALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST THE GENERAL WORK. 3. STORAGE VOLUME BASED UPON PUMP DISCHARGE, LARGER PAD DIMENSIONS MAY BE REQUIRED AS DIRECTED BY THE ENGINEER. (MINIMUM REQUIRED STORAGE, CUBIC FEET) = 16 x (PUMP DISCHARGE RATE, GPM)
- 4. TYPE II PUMPING SETTLING BASIN TO BE USED WHEN THE EXPECTED DURATION OF USE IS LESS THAN 3 MONTHS. TYPE III PUMPING SETTLING BASIN TO BE USED WHEN THE EXPECTED DURATION OF USE IS LONGER THAN 3 MONTHS.
- 5. SETTLING BASIN AND EXIT CHANNEL TO BE BACKFILLED AT COMPLETION OF WORK. AREA SHALL BE GRADED AND STABILIZED ACCORDING TO PLANS OR AS DIRECTED BY THE ENGINEER.
 - (3/4" STONE, 12" DEEP) ALL AROUND ALL AROUND SILT BAG STONE OR SILT FENCE CHECK DAM AS DIRECTED BY THE ENGINEER BASED UPON FIELD CONDITIONS _ V V **EXISTING GROUND** STONE PAD (3/4" NON-WOVEN GEOTEXTILE STONE, 12" DEEP) GEOTEXTILE EROSION CONTROL CLASS A, AS DIRECTED BY ENGINEER BASED **SECTION** UPON FIELD CONDITIONS STONE PAD LENGTH = DISCHARGE SILT BAG + 4' SWALE STONE OR SILT FENCE SLOPED (TYP.) CHECK DAM AS DIRECTED BY THE ENGINEER BASED UPON FIELD CONDITIONS STONE PAD - 3/4"

TYPICAL TAPER LENGTH =

STONE PAD WIDTH

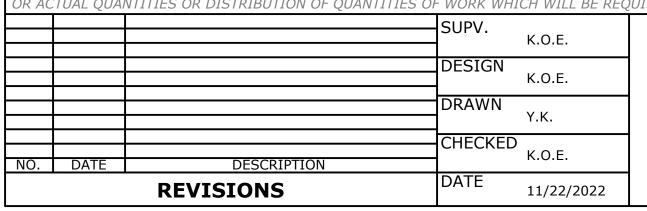
SILT BAG INSTALLATION

<u>PLAN</u>

2' (TYP.)

ALL AROUND

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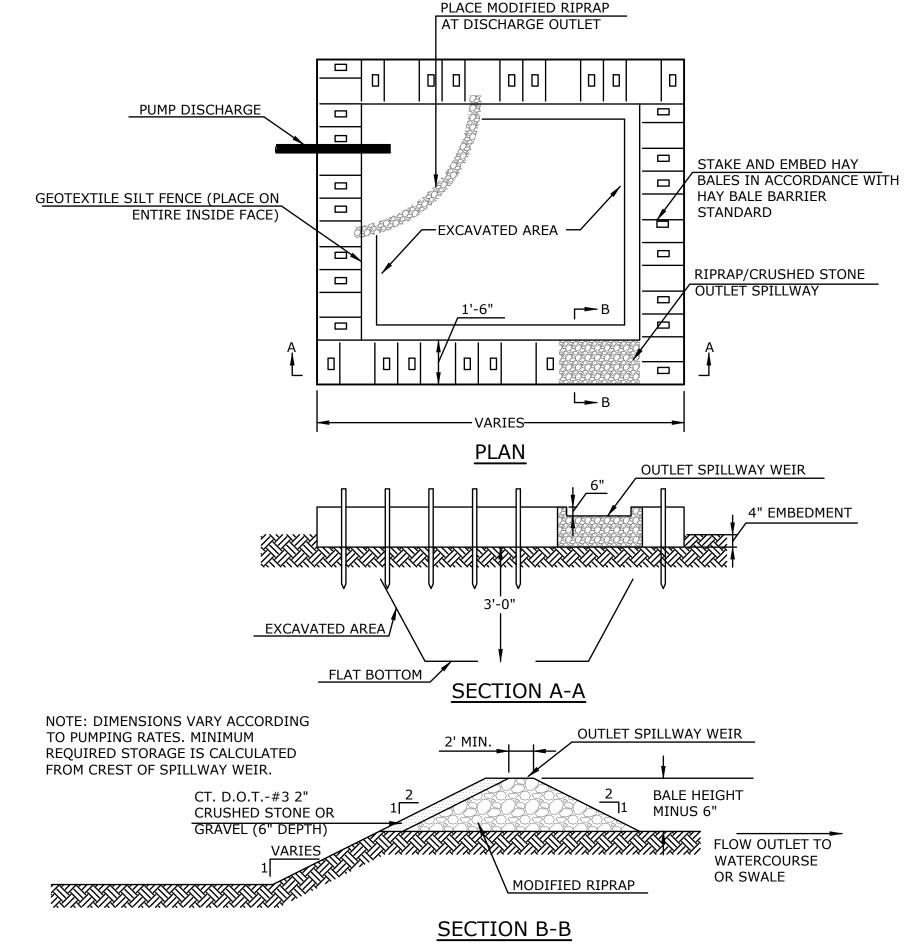


STONE @ 12" DEEP

CONTROL CLASS A

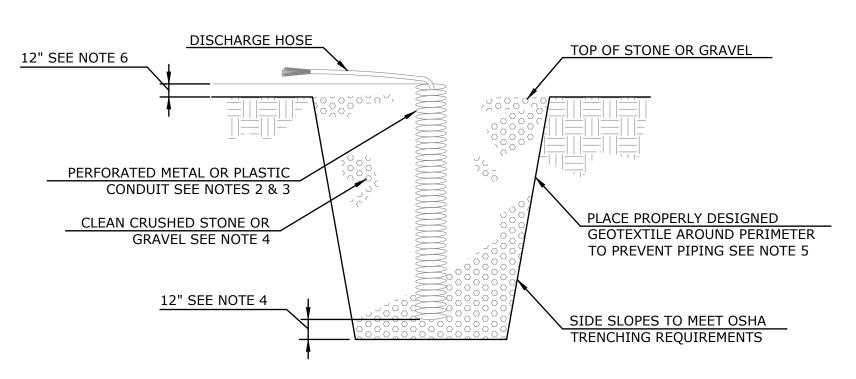
GEOTEXTILE EROSION

ON NON-WOVEN



REFER TO PAGE 5-13-7 "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENTATION CONTROL".

TYPE II PUMPING SETTLING BASIN



REFER TO PAGE 5-13-3 "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENTATION CONTROL".

- 1. OVERALL SUMP PIT DIMENSIONS SHALL BE COMPATIBLE WITH ANTICIPATED SEEPAGE RATES AND PUMP SIZE TO BE
- 2. THE STANDPIPE DIAMETER AND NUMBER OF PERFORATIONS SHALL BE COMPATIBLE WITH THE PUMP SIZE BEING USED. 3. PERFORATIONS IN THE STANDPIPE SHALL BE EITHER CIRCULAR OR SLOTS. PERFORATION SIZE SHALL NOT EXCEED 1/2"
- 4. CRUSHED STONE OR GRAVEL SHALL BE NO SMALLER THAN CT DOT #8 SIZE NOR LARGER THAN CT DOT #3 SIZE. CRUSHED STONE SHALL EXTEND A MINIMUM OF 12" BELOW THE BOTTOM OF THE STANDPIPE.
- 5. IF EXCESSIVE MOVEMENT OF FINE SOIL PARTICLES FROM THE SURROUNDING EXISTING SOILS IS ANTICIPATED, A PROPERLY DESIGNED GEOTEXTILE SHALL BE PLACED BETWEEN THE EXISTING SOILS AND THE CRUSHED STONE OR GRAVEL
- 6. THE STANDPIPE SHALL EXTEND A MINIMUM OF 12" ABOVE THE SURROUNDING GROUND.

PUMP INTAKE

TYPICAL SECTION OF SUMP PIT

EFFLUENT FROM DEWATERED WORK AREA(S) SHOULD NOT BE DISCHARGED DIRECTLY TO THE STREAM BUT BE PROCESSED THROUGH TREATMENT STRUCTURE(S). SUCH STRUCTURES SHOULD NOT BE LOCATED WITHIN THE STREAM CHANNEL OR ADJACENT WETLANDS.

THE PROJECT SHOULD NOT BE CONDUCTED IN A MANNER WHICH IMPEDES STREAM FLOW.

UNCONFINED IN-STREAM ACTIVITIES SHOULD BE LIMITED TO THE TIME PERIOD JUNE 1 THROUGH SEPTEMBER 30.

1. A CONSTRUCTION SEQUENCING PLAN AND A WATER HANDLING PLAN INCLUDING A CONTINGENCY PLAN FOR FLOOD EVENTS MUST BE SUBMITTED IN WRITING TO THE ENGINEER AND APPROVED BY THE ENGINEER PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION IN A WATERWAY.

2. TEMPORARY COFFERDAM AND PUMPING NOT PAID SEPARATELY. COST TO BE INCLUDED IN THE PAY ITEM "COFFERDAM AND DEWATERING".

3. WATER HANDLING PLAN IS EXAMPLE ONLY.

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PREPARED FOR

TOWN OF SOUTH WINDSOR 1540 SULLIVAN AVENUE SOUTH WINDSOR, CT 06074

REPLACEMENT OF BRIDGE 04156 PLEASANT VALLEY ROAD OVER PODUNK RIVER HANDLING WATER DETAILS

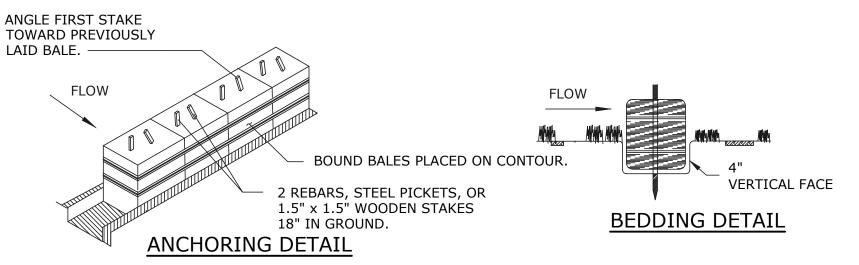
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* WHEN INSTALLATION OF TRENCH IS IMPRACTICAL, ALTERNATE INSTALLATION SHALL BE TO LAY 6" FLAP HORIZONTALLY ON GROUND AND BURY FLAP BY RAMP SOIL OR STONE UP TO CONTROL FENCE. DEPTH OF RAMP SHALL BE AS REQUIRED TO HOLD DOWN FLAP WITHOUT LEAKAGE UNDER CONTROL FENCE WHILE MAINTAINING MINIMUM HEIGHT.

GEOTEXTILE FENCE SYSTEM

REFER TO PAGE 5-11-35 "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENTATION CONTROL" AND PAGE 55 "ON-SITE MITIGATION FOR CONSTRUCTION ACTIVITIES".

SEDIMENTATION CONTROL SYSTEM INSTALLATION



HAY BALE CONSTRUCTION SPECIFICATIONS:

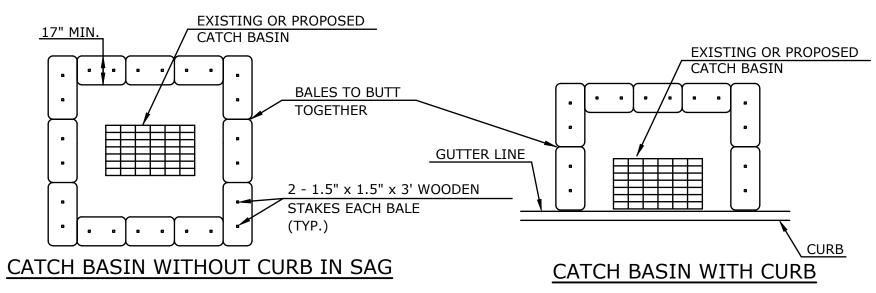
- 1. HAY BALES SHALL BE PLACED AROUND NEWLY INSTALLED CATCH BASINS IN SAGS AND DROP INLETS TO PREVENT SEDIMENTATION AND OTHER DEBRIS FROM ACCUMULATING ON THE GRATE OR IN THE SUMP. HAY BALES SHOULD BE KEPT CLEAN AND FREE OF DEBRIS TO FACILITATE FLOW.
- 2. EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF 4", AND
- PLACED SO THE BINDINGS ARE HORIZONTAL.
- 3. BALES SHALL BE SECURELY ANCHORED IN PLACE BY EITHER TWO STAKES OR REBARS DRIVEN THROUGH THE BALE. THE FIRST STAKE SHALL BE DRIVEN TOWARD THE PREVIOUSLY LAID BALE AT AN ANGLE TO FORCE THE BALES TOGETHER. STAKES SHALL BE DRIVEN FLUSH WITH THE BALE.
- 4. INSPECTION SHALL BE FREQUENT AND REPAIR REPLACEMENT SHALL BE MADE
- PROMPTLY AS NEEDED.

FOR STABILITY AND SELF CLEANING.

5. BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.

REFER TO PAGE 5-11-30 "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENTATION

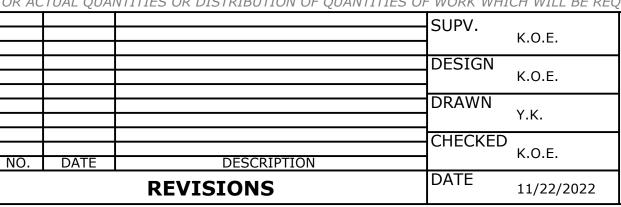
HAY BALE DETAIL

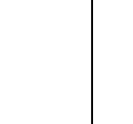


REFER TO PAGE 5-11-33 "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENTATION CONTROL" AND PAGE 40 "ON-SITE MITIGATION FOR CONSTRUCTION ACTIVITIES".

SEDIMENTATION CONTROL DETAILS

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK SHOWN ON THESE SHEETS IS BASED ON IMITED INVESTIGATIONS BY THE TOWN AND IS IN NO WAY WARRANTED TO INDICATE THE TRUE CONDITIONS R ACTUAL OUANTITIES OR DISTRIBUTION OF OUANTITIES OF WORK WHICH WILL BE REOUIRED.





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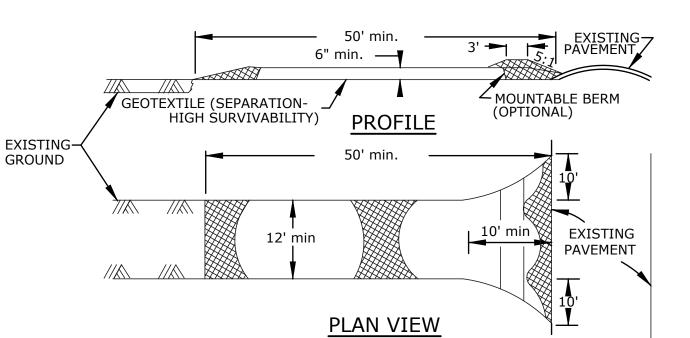
PREPARED FOR

TOWN OF SOUTH WINDSOR 1540 SULLIVAN AVENUE

SOUTH WINDSOR, CT 06074

REPLACEMENT OF BRIDGE 04156 PLEASANT VALLEY ROAD OVER PODUNK RIVER **EROSION & SEDIMENTATION CONTROL DETAILS**

SHEET **D** – PLEASANT VALLEY – **_** 21119.10 **_ PROJECT** FILE NAME NUMBER REV. OF



REFER TO PAGE 5-12-2 "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENTATION CONTROL" AND PAGE 50 "ON-SITE MITIGATION FOR CONSTRUCTION ACTIVITIES".

CONSTRUCTION SPECIFICATION:

1. STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.

2. LENGTH - AS REQUIRED, BUT NOT LESS THAN 50 FT (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30' MINIMUM LENGTH WOULD APPLY). 3. THICKNESS - NOT LESS THAN 6".

4. WIDTH - 12' MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. 5. GEOTEXTILE - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE. GEOTEXTILE WILL NOT BE REQUIRED ON A SINGLE FAMILY RESIDENCE LOT.

6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE

7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT-OF-WAYS MUST BE

8. WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SETTLING AREA SIZED TO HOLD THE VOLUME OF WATER USED DURING ANY

9. PERIODIC INSPECTION AND NECESSARY MAINTENANCE SHALL BE PROVIDED AFTER EACH RAINFALL. 10. THE COST OF CONSTRUCTING THE STABILIZED CONSTRUCTION ENTRANCE WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE GENERAL WORK.

STABILIZED CONSTRUCTION ENTRANCE

THIS PLAN PROPOSES EROSION CONTROL MEASURES TO HELP CONTROL ACCELERATED EROSION AND SEDIMENTATION AND REDUCE THE DANGER FROM STORM WATER RUNOFF AT THE SITE. THE RUNOFF SHALL BE CONTROLLED BY THE INTERCEPTION, DIVERSION, AND SAFE DISPOSAL OF PRECIPITATION. RUNOFF SHALL ALSO BE CONTROLLED BY STAGING CONSTRUCTION ACTIVITY AND PRESERVING NATURAL VEGETATION WHENEVER POSSIBLE. EXISTING VEGETATION SHALL BE PROTECTED AND ONLY THAT CLEARING AND GRUBBING ABSOLUTELY NECESSARY FOR THE PROPOSED CONSTRUCTION SHALL BE PERFORMED. ALL DISTURBED AREAS SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AND CONTOUR, UNLESS OTHERWISE INDICATED ON THE PLANS. THE CONTRACTOR SHALL TAKE SPECIAL CARE WITH HIS CONSTRUCTION METHODS AND SHALL COMPLY WITH THE FOLLOWING GUIDELINES. REFERENCE IS MADE TO THE "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENTATION CONTROL" (2002), AS AMENDED. THE GUIDELINES ARE OBTAINABLE FROM THE CONNECTICUT DEPARTMENT OF ENVIRONMENTAL PROTECTION, 79 ELM STREET, HARTFORD, CONNECTICUT 06106, AND SHOULD BE USED AS A REFERENCE IN CONSTRUCTING THE EROSION AND SEDIMENTATION CONTROLS INDICATED ON THESE PLANS. AN ADDITIONAL REFERENCE IS THE 1994 CONNDOT PUBLICATION "ON-SITE MITIGATION FOR CONSTRUCTION ACTIVITIES".

EROSION CONTROL

ALL AREAS SHALL BE PROTECTED FROM EROSION DURING AND AFTER CONSTRUCTION, PARTICULARLY THE STORAGE OF EXCAVATED OR STOCKPILED MATERIAL. THE CONTRACTOR SHALL CAREFULLY STRIP ALL TOPSOIL, LOAM, OR ORGANIC MATTER PRIOR TO TRENCHING OR OTHER OPERATIONS AND SHALL STORE THEM SEPARATELY FROM ALL OTHER MATERIALS DURING EXCAVATION. EACH STOCKPILE MUST BE ADEQUATELY RINGED WITH SEDIMENTATION CONTROL SYSTEM (I.E. HAY BALES AND/OR GEOTEXTILE FENCE). DEBRIS AND OTHER WASTE RESULTING FROM EQUIPMENT MAINTENANCE AND CONSTRUCTION WILL NOT BE DISCARDED ON SITE. STABILIZING OF SLOPES SHALL BE DONE IMMEDIATELY AFTER CONSTRUCTION OF SLOPES. SLOPES STEEPER THAN 4:1 SHALL BE PROTECTED WITH EROSION CONTROL MATTING. THIS MATTING IS MANUFACTURED COMBINATIONS OF MULCH AND NETTING AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. ALL OTHER AREAS SHALL BE MULCHED WITH HAY OR STRAW AT A RATE OF 2 TO 3 TONS PER ACRE. STRAW OR HAY MULCH MUST BE ANCHORED IMMEDIATELY AFTER SPREADING TO PREVENT WINDBLOWING. THE METHODS RECOMMENDED BY THE "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENTATION CONTROL" SHALL BE USED FOR THE ANCHORING OF MULCH OR NETTING.

EROSION AND SEDIMENTATION CONTROL PLAN

AN EROSION AND SEDIMENTATION CONTROL PLAN MUST BE SUBMITTED IN WRITING TO THE ENGINEER AND APPROVED BY THE ENGINEER PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES SEDIMENTATION CONTROL SYSTEM - THE SEDIMENTATION CONTROL SYSTEM SHALL CONSIST OF A GEOTEXTILE BARRIER FENCE. THE SEDIMENTATION CONTROL SYSTEM SHALL BE INSTALLED IMMEDIATELY AFTER A CUT SLOPE HAS BEEN

INTERCEPT SILT AND SEDIMENT BEFORE IT REACHES THE WETLANDS OR WATERCOURSES. DEPOSITS OF SEDIMENT AND SILT ARE TO BE PERIODICALLY REMOVED FROM THE UPSTREAM SIDE OF THE FENCE. THIS MATERIAL IS TO BE SPREAD AND STABILIZED IN AREAS NOT SUBJECT TO EROSION, OR IN AREAS WHICH ARE NOT TO BE PAVED OR BUILT ON. THE SEDIMENTATION CONTROL SYSTEM IS TO BE REPLACED AS NECESSARY TO PROVIDE PROPER FILTERING ACTION. THE SYSTEM IS TO REMAIN IN PLACE AND BE MAINTAINED TO INSURE EFFICIENT SILTATION CONTROL UNTIL ALL AREAS ABOVE THE FENCE ARE STABILIZED AND VEGETATION HAS BEEN ESTABLISHED

GRADED, BEFORE A FILL SLOPE HAS BEEN CREATED AND AS INDICATED ON THE PLANS. THE SYSTEM IS DESIGNED TO

STACKED HAY BALES - HAY OR STRAW BALES USED FOR EROSION CONTROL SHALL BE STACKED AT CATCH BASINS WHERE SEDIMENT MAY ENTER THE CATCH BASIN OR AS DIRECTED BY THE RESIDENT ENGINEER. DEPOSITS OF SEDIMENT AND SILT ARE TO BE PERIODICALLY REMOVED FROM THE UPSTREAM SIDE OF THE EROSION CHECKS. THIS MATERIAL IS TO BE SPREAD AND STABILIZED IN AREAS NOT SUBJECT TO EROSION, OR IN AREAS WHICH ARE NOT TO BE PAVED OR BUILT ON. HAY OR STRAW BALES ARE TO BE REPLACED AS NECESSARY TO PROVIDE PROPER FILTERING ACTION. THE SYSTEM IS TO REMAIN IN PLACE AND BE MAINTAINED TO INSURE EFFICIENT SILTATION CONTROL UNTIL ALL AREAS ABOVE THE EROSION CHECKS ARE STABILIZED AND VEGETATION HAS BEEN ESTABLISHED.

IN ALL AREAS, REMOVAL OF TREES, BUSHES, AND OTHER VEGETATION, AND DISTURBANCE OF THE SOIL, IS TO BE KEPT TO AN ABSOLUTE MINIMUM WHILE ALLOWING PROPER DEVELOPMENT OF THE SITE.

DURING CONSTRUCTION, AS SMALL AN AREA OF SOIL AS POSSIBLE SHOULD BE EXPOSED FOR AS SHORT A TIME AS POSSIBLE. AFTER CONSTRUCTION, GRADE, RESPREAD TOPSOIL, AND STABILIZE SOIL BY SEEDING AND MULCHING AS TO PREVENT EROSION.

EROSION AND SEDIMENTATION CONTROL MAINTENANCE PROCEDURES

ALL EROSION AND SEDIMENTATION CONTROL DEVICES SHALL BE INSPECTED DURING CONSTRUCTION ON A DAILY BASIS AND FOLLOWING ALL STORMS BY THE RESIDENT ENGINEER. THE CONTRACTOR SHALL MAINTAIN AND MAKE REPAIRS AND REMOVE SEDIMENT AS REQUESTED BY THE RESIDENT ENGINEER. THIS WORK SHALL BE PERFORMED WITHIN 24 HOURS OF THE REQUEST AND THERE SHALL BE NO SEPARATE PAYMENT FOR THIS WORK.

THE CONTRACTOR SHALL CLEAN SEDIMENT AND DEBRIS FROM ALL DRAINAGE STRUCTURES, AND PIPES AT THE COMPLETION OF CONSTRUCTION, AND AS REQUESTED BY THE RESIDENT INSPECTOR TO KEEP THE SYSTEM FUNCTIONING PROPERLY DURING CONSTRUCTION.

FOLLOWING COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL REPAIR ALL ERODED AREAS AND ENSURE A GOOD STAND OF TURF IS ESTABLISHED THROUGHOUT. THE CONTRACTOR SHALL REPAIR ALL ERODED OR DISPLACED RIPRAP, AND CLEAN SEDIMENT COVERED STONES.

ALL APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES SHOULD BE ESTABLISHED PRIOR TO AND BE MAINTAINED THROUGH ALL CONSTRUCTION PHASES.

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