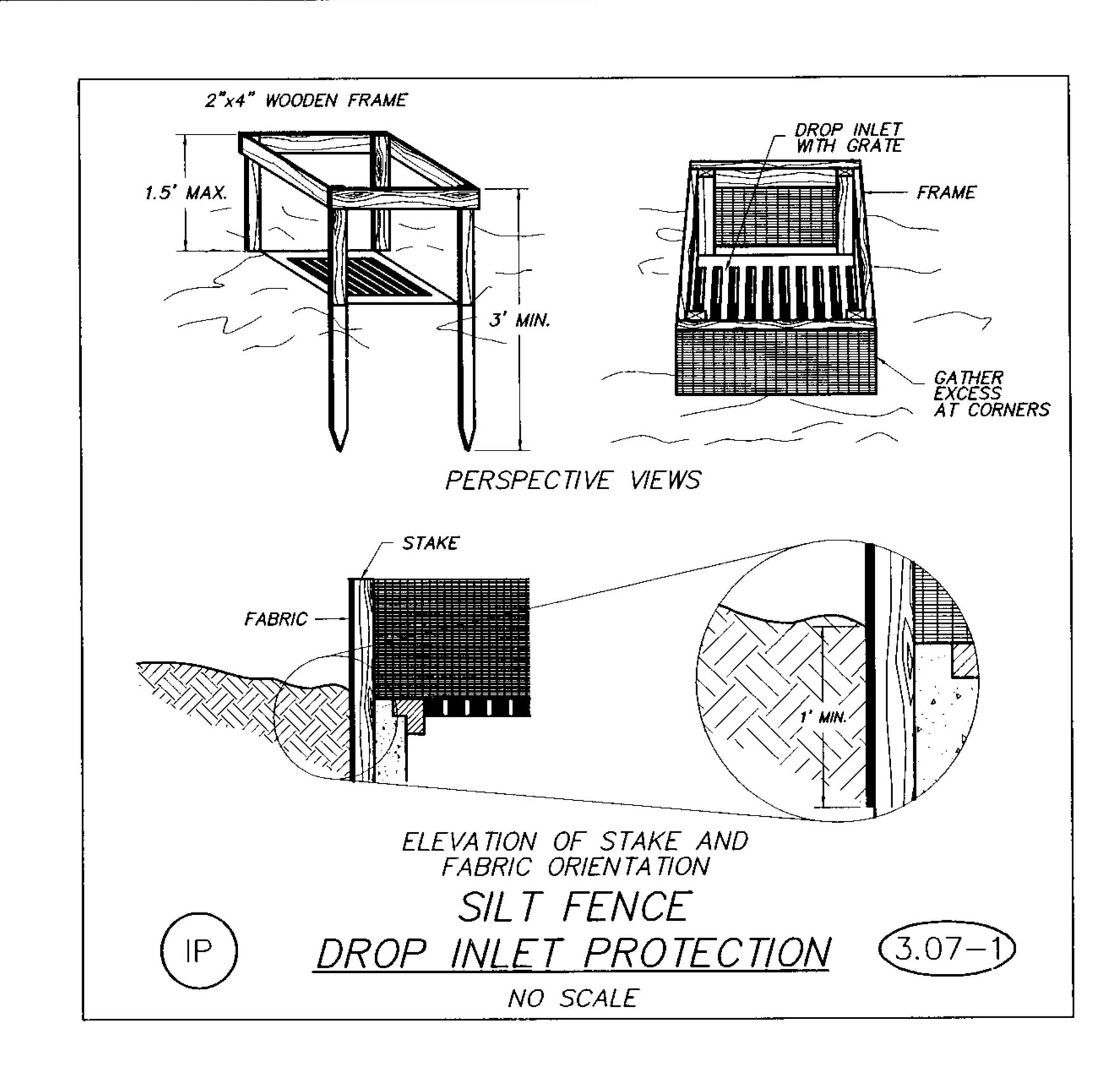
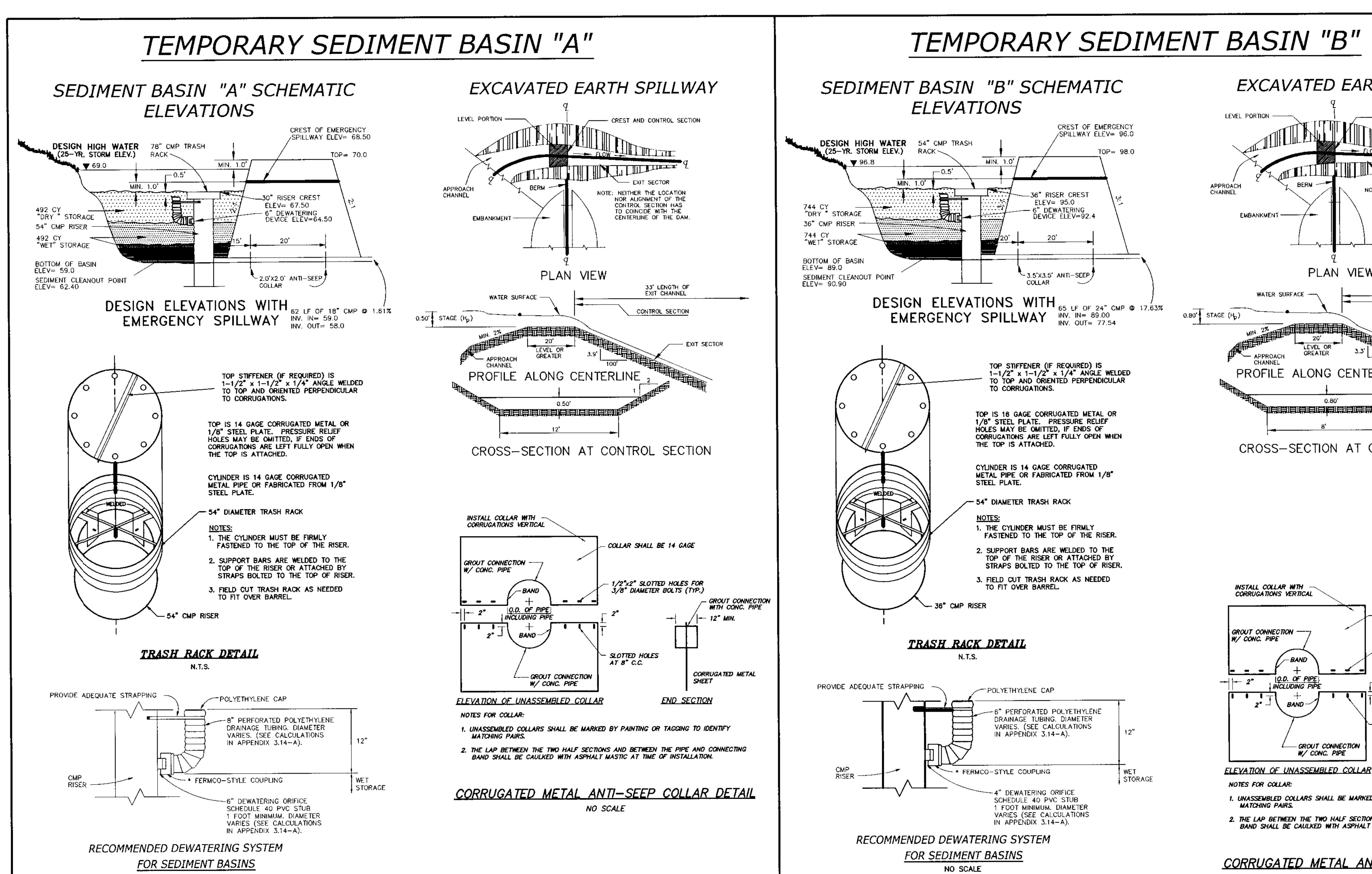


- <u>CONSTRUCTION</u> THE AREA UNDER THE EMBANKMENT SHALL BE CLEARED, GRUBBED, AND STRIPPED OF ANY
- VEGETATION AND ROOT MAT. FILL MATERIAL SHALL BE FREE OF ROOTS OR OTHER WOODY VEGETATION, ORGANIC MATERIAL, LARGE STONES, AND OTHER OBJECTIONABLE MATERIAL. THE EMBANKMENT SHOULD BE COMPACTED IN 6-INCH LAYERS BY TRAVERSING WITH CONSTRUCTION EQUIPMENT.
- THE EARTHEN EMBANKMENT SHALL BE SEEDED WITH TEMPORARY OR PERMANENT VEGETATION (SEE STD. & SEPC.'S 3.31 AND 3.32) IMMEDIATELY AFTER INSTALLATION.
- CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION ARE MINIMIZED.
- 1. SEDIMENT SHALL BE REMOVED AND THE TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO ONE HALF THE DESIGN VOLUME OF THE WET STORAGE. SEDIMENT REMOVAL FROM THE BASIN SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE AND CAUSE SEDIMENTATION PROBLEMS.
- 2. FILTER STONE SHALL BE REGULARLY CHECKED TO ENSURE THAT FILTRATION PERFORMANCE IS MAINTAINED. STONE CHOKED WITH SEDIMENT SHALL BE REMOVED AND CLEANED OR REPLACED.
- THE STRUCTURE SHOULD BE CHECKED REGULARLY TO ENSURE THAT IT IS STRUCTURALLY SOUND AND HAS NOT BEEN DAMAGED BY EROSION OR CONSTRUCTION EQUIPMENT. THE HEIGHT OF THE STONE OUTLET SHOULD BE CHECKED TO ENSURE THAT ITS CENTER IS AT LEAST 1 FOOT BELOW THE TOP OF THE EMBANKMENT.

TEMPORARY SEDIMENT TRAP SCHEDULE

ST. NO.	DRAINAGE AREA (ACRES.)	VOLUME REQUIRED (CU. YD.)	LENGTH OF VDOT RIP RAP REQUIRED (FT)	SEDIMENT TRAP BOTTOM DIMENSIONS (EXCAVATED) LENGTH WIDTH (FT) (FT)		WET STORAGE DEPTH (4' MAX.) (FT)	RIP RAP & DRY STORAGE DEPTH (FT)	TOTAL WET & DRY STORAGE DEPTH (FT)	TOTAL HEIGHT OF EMBANKMENT (5' MAX.) (FT)	TOP WIDTH OF EMBANKMENT (FT)
1	1.58	211.7	9.5'	36'	12'	3'	2'	5'	3'	2.5'
2	1.10	147.4	6.6'	28'	8'	3'	2'	5'	3'	2.5'
3	1.95	261.3	11.7'	41'	15'	3'	2'	5'	3'	2.5'





EROSION CONTROL SEQUENCE OF EVENTS

TRAPS, AND PERIMETER SILT FENCE AS PER PLAN.

INLET PROTECTION AS PER PLAN.

SEWER TO OUTFALL POINTS.

DOWNSTREAM PROPERTIES.

HAS BEEN OBTAINED.

I. INSTALL CONSTRUCTION ENTRANCE, TEMPORARY SEDIMENT BASINS, TEMPORARY SEDIMENT

3. BEGIN CLEARING AND GRUBBING OPERATIONS. STABILIZE THE SITE WITH VEGETATION AND STRAW MULCH ACCORDING TO STATE REGULATIONS.

BEGIN ROAD CONTRUCTION, AND INSTALL STORM SEWER, DRAINAGE DITCHES, AND UTILITIES

5. IMMEDIATELY AFTER PLACING BASE STONE AND INSTALATION OF CURB & GUTTER, INSTALL

6. FINISH ROAD CONSTRUCTION AS SHOWN ON PLANS. SEED DENUDED AREAS AS SOON AS

STORM SEWER STRUCTURES TO REMOVE ANY ACCUMULATED SEDIMENT. REMOVE TEMPORARY TEMPORARY SEDIMENT BASINS AND SEDIMENT TRAPS. CONSTRUCT REMAINDER OF STORM

CONTINUING MAINTENANCE PRACTICES SHALL BE PERFORMED TO ENSURE PROTECTION OF

. NO EROSION CONTROL DEVICE SHALL BE REMOVED UNTIL AN ADEQUATE STAND OF GRASS

DO NOT CONSTRUCT TO OUTFALL POINTS BELOW TRAPS AND BASINS AT THIS TIME.

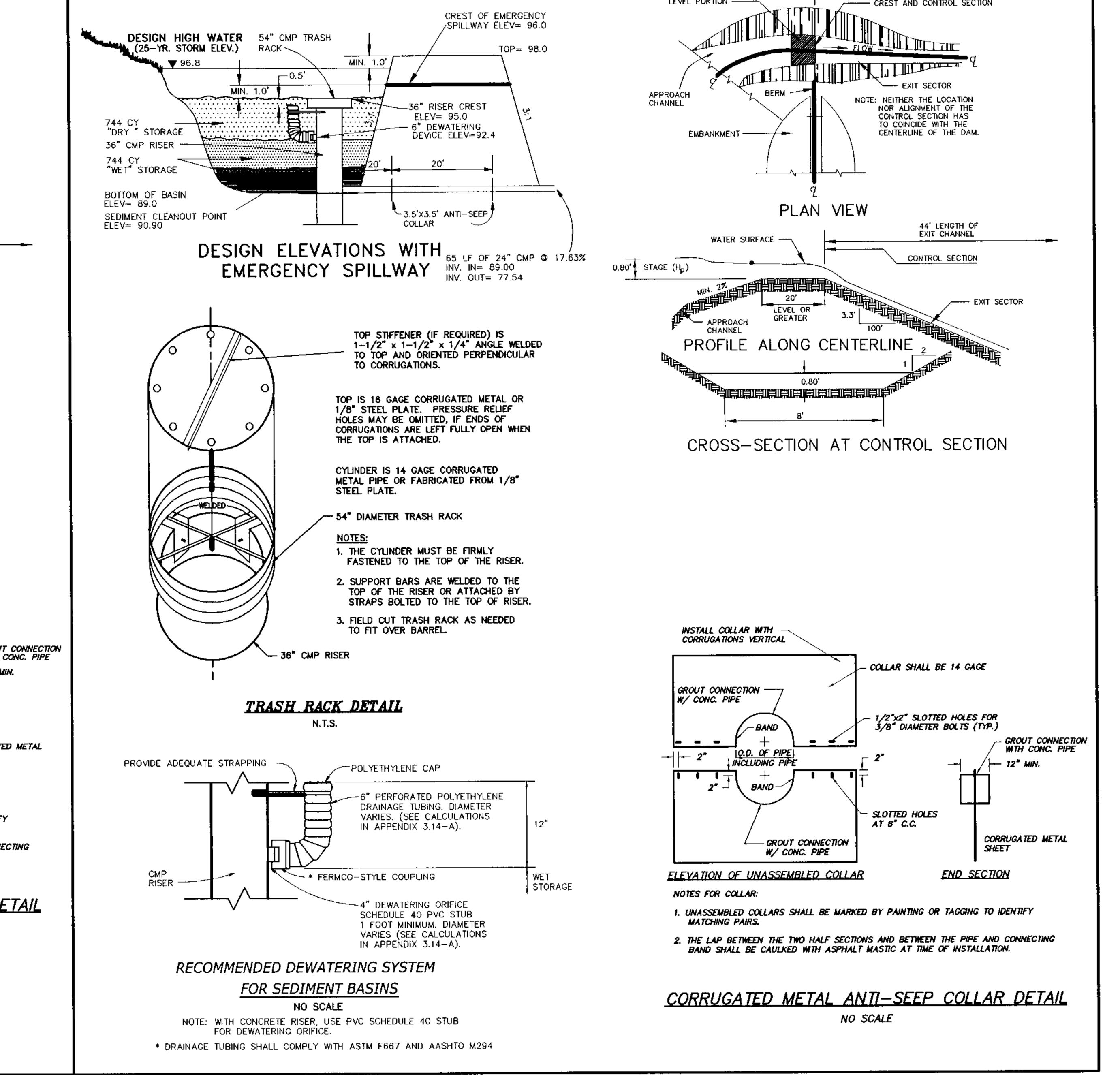
POSSIBLE AND MULCH ALL DISTURBED AREAS. INSTALL PAVEMENT.

NOTE: ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL

AND REMOVED IN ACCORDANCE WITH THE CURRENT EDITION OF THE VIRGINIA

EROSION AND SEDIMENT CONTROL HANDBOOK AND VIRGINIA REGULATION 4VAC50-30.

MEASURES SHOWN ON THE PLAN ARE TO BE CONSTRUCTED, MAINTAINED,



EXCAVATED EARTH SPILLWAY



14% IMPERVIOUS SURFACES.

EXISTING SITE CONDITIONS: THE SITE IS LOCATED ON THE NORTH SIDE OF SANDY RIDGE ROAD, AND IS PARTIALLY WOODED. A PORTION OF THE SITE WAS ONCE USED AS A MINING AREA, SO THE SLOPES VERY FROM 1.0% TO APPROXIMATELY 50%. CRITICAL SLOPES ARE OUTLINED ON SHEETS C2.0—C2.2 FOR THE BENEFIT OF THE CONTRACTORS AND MACHINE OPERATORS. LIMITS OF CLEARING WILL BE STAKED BY A SURVEY TEAM TO PROTECT AREAS TAHT ARE NOT TO BE DISTURBED WITH THIS SECTION.

RIDGE ROAD ON THE SOUTH, AND BAILEY'S CREEK TO THE NORTH. NO ADJACENT AREAS WILL BE IMPACTED BY THE CONSTRUCTION OF THIS PHASE. OFFSITE IMPACTS WILL BE ADDRESSED WITH FUTURE SECTIONS AS OFFSITE AREAS: THIS DEVELOPMENT WILL REQUIRE THE CONSTRUCTION OF OFFISTE SEWER AND WATERLINES.

ALL OFFISITE CONSTRUCTION WILL BE WITHIN EXISTING RIGHT OF WAYS OR EASEMENTS. CONSTRUCTION IN THESE AREAS WILL NOT BEGIN WITHOUT THE PROPOER PERMITS FROM THE PROPOER REGULATORY

LABELED BY UNIT SYMBOLS THAT CORRESPOND WITH THE TABLE ON THE RIGHT SIDE OF THE SHEET. THE EROSION FACTORS ARE LISTED THERE AS WELL. STEEPLY SLOPED AREAS NEAR WATERS OF THE U.S. AND WETLANDS CONSIST OF HIGHLY ERODIBLE SOILS.

CRITICAL AREAS: RPA, WETLANDS AND WATERS OF THE US ARE LABELED ON SHEETS C2.1, C2.2, C4.0 AND C4.1. AREAS OF STEEP SLOPES HAVE BEEN OUTLINED ON SHEETS C2.0-C2.2 FOR THE BENEFIT OF THE CONTRACTORS AND MACHINE OPERATORS.

EROSION AND SEDIMENT CONTROL MEASURES: TEMPORARY SEDIMENT BASINS, TEMPORARY SEDIMENT TRAPS, PERIMETER SILT FENCE, DIVERSION DITCHES AND INLET PROTECTION INSTALLED ON THE PROPOSED STRUCTURES WILL SERVE AS THE PRIMARY EROSION CONTROL MEASURES THROUGHOUT THE CONSTRUCTION PROCESS. TEMPORARY AND PERMANENT SEEDING WILL ALSO BE USED AS NEEDED. SEEDING SHALL BE DONE IN ACCORDANCE WITH TABLES ON SHEET C4.3.

PERMANENT STABILIZATION: ALL DENUDED AND UNGRAVELLED AREAS SHALL BE SEEDED IN ACCORDANCE WITH STATE REGULATIONS. OUTLET PROTECTION AND PLUNGE POOLS AT CRITICAL OUTFALLS WILL ALSO SERVE AS PERMANENT STABILIZATION.

THE PEAK RATE OF RUNOFF. AN ANALYSIS OF EACH OF THE OUTFALLS WAS CONDUCTED AND THEY WERE DEEMED ADEQUATE FOR THIS DEVELOPMENT. THE DITCHES AND STREAMS USED AS OUTFALL POINTS ARE CONSISTENT FROM THE OUTFALL POINT TO THE WETLANDS ASSOCIATED WITH BAILEY'S CREEK. DURING CONSTRUCTION, INCREASED RUNOFF WILL BE MANAGED THROUGH THE USE OF SEDIMENT BASINS AND SILT

CALCULATIONS: ALL STORM SEWER AND MS-19 ANALYSIS CALCULATIONS HAVE BEEN SUBMITTED TO COUNTY AND STATE OFFICIALS FOR REVIEW.

EROSION CONTROL GENERAL NOTES

- 1. CONTACT THE PRINCE GEORGE PLANNING DEPARTMENT AT (804) 733-2608 PRIOR TO COMMENCING ANY LAND DISTURBANCE ACTIVITIES ON THE SITE.
- AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED AND MAINTAINED GEORGE COUNTY ORDINANCE INCLUDING THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK AND VIRGINIA REGULATIONS 4VAC50-30 EROSION AND
- PRECONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT O 4. ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR
- TO OR AS THE FIRST STEP IN CLEARING. 5. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
- 6. PRIOR TO COMMENCING LAND DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING, BUT NOT LIMITED TO, OFF-SITE BOR-ROW OR WASTE AREAS), THE CONTRACTOR SHALL SUBMIT A SUPPLEMENTARY EROSION CONTROL PLAN TO THE OWNER FOR REVIEW AND APPROVAL BY THE
- . THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMEN-
- TATION AS DETERMINED BY THE PLAN APPROVING AUTHORITY. 8. ALL DISTURBED AREAS ARE TO DRAIN TO APPROVED SEDIMENT CONTROL MEA-SURES AT ALL TIMES DURING LAND DISTURBING ACTIVITIES AND DURING SITE
- DEVELOPMENT UNTIL FINAL STABILIZATION IS ACHIEVED. 9. DURING DEWATERING OPERATIONS, WATER WILL BE PUMPED INTO AN APPROVED
- 10. THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES PERIODI-CALLY AND AFTER EACH RUNOFF-PRODUCING RAINFALL EVENT. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF THE EROSION CON-
- TROL DEVICES SHALL BE MADE IMMEDIATELY. AREAS WITHIN SEVEN DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE. TEMPORARY SOIL STABILIZATION SHALL BE APPLIED WITHIN SEVEN DAYS TO DENUDED AREAS THA MAY NOT BE AT FINAL GRADE BUT WILL REMAIN DORMANT FOR LONGER THEN 30 DAYS. PERMANENT STABILIZATION SHALL BE APPLIED TO
- AREAS THAT ARE LEFT DORMANT FOR MORE THAN ONE YEAR.
- BEEN TRANSPORTED ONTO A PAVED OR PUBLIC ROAD SURFACE. 13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREVENTING SURFACE AND AIR MOVEMENT OF DUST FROM EXPOSED SOILS WHICH MAY PRESENT A HEALTH HAZARD, TRAFFIC SAFETY PROBLEM, OR HARM ANIMAL OR PLANT LIFE.

11 APR 2005 DRAWN BY K. HALPAUS DESIGNED BY D. JOHNSON

CHECKED BY SCALE

D. JOHNSON NONE

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