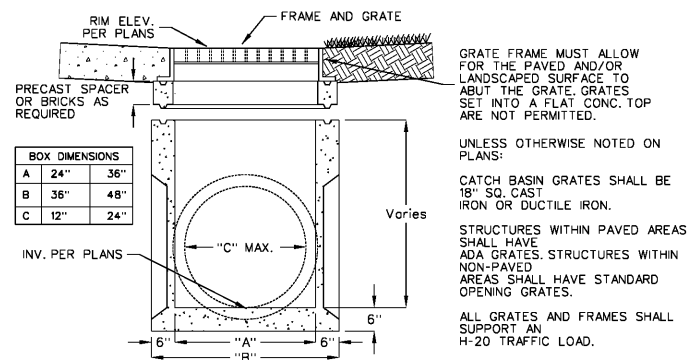
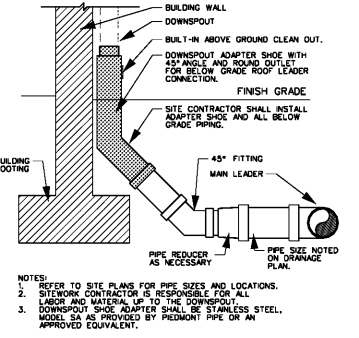


- NOTES:**
1. BOX LOAD: H-20 TRAFFIC, USE 4000 PSI MIN. COMPRESSIVE STRENGTH CONCRETE.
 2. GRATE ELEVATION SHALL BE ADJUSTABLE WITHIN 12" +/- FROM ELEVATION SHOWN ON DRAINAGE PLAN AT NO ADDITIONAL COST TO THE OWNER.
 3. THE TOP 12" OF THE BOX HEIGHT NECESSARY TO OBTAIN THE GRATE ELEVATION GIVEN ON THE PLANS SHALL BE OBTAINED WITH PRECAST SPACERS OR BRICKS TO PERMIT UP TO -12" OF ADJUSTMENT FROM PLANNED ELEVATION.
 4. STRUCTURE INVERTS SHALL BE GROUTED, ELIMINATING ANY SUMP CONDITION.
 5. ALL PIPE PENETRATIONS SHALL BE FLUSH WITH WALL.
 6. STRUCTURE WALLS SHALL BE GROUTED SMOOTH AT ALL PIPE PENETRATIONS.
 7. ALL INLETS OVER 3'-6" IN DEPTH ARE TO BE PROVIDED WITH STEPS AT 1'-2" O.C.
 8. WAFFLE WALL STRUCTURES ARE NOT PERMITTED FOR ANY STRUCTURE OVER 3'-6" IN DEPTH.



D1 Square Precast Concrete Catch Basin Detail No Scale



D2 Roof Leader Connection Detail No Scale

FOR LATE WINTER AND EARLY SPRING:

SEEDING MIXTURE:
 GRASS SEED - 150 LB/ACRE
 MINERAL LEPSIDEX (PDS) - 50 LB/ACRE (MAY ANNUAL LEPSIDEX WHEN DURATION OF SOY BEYOND JUNE)

MAINTENANCE:
 RESEED IF GROWTH IS NOT FULLY ADEQUATE. RESEED, FERTILIZE AND MULCH IMMEDIATELY FOLLOWING EROSION OR OTHER DAMAGE.

FOR SUMMER:

SEEDING MIXTURE:
 GRASS SEED - 40 LB/ACRE
 (A SMALL-STEMMED SUBGRASS MAY BE SUBSTITUTED AT A RATE OF 50 LB/ACRE)

MAINTENANCE:
 RESEED IF GROWTH IS NOT FULLY ADEQUATE. RESEED, FERTILIZE AND MULCH IMMEDIATELY FOLLOWING EROSION OR OTHER DAMAGE.

FOR FALL:

SEEDING MIXTURE:
 PIPE COVER - 120 LB/ACRE

MAINTENANCE:
 APPLY 4,000 LB/ACRE STRAW ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING, OR A MULCH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.

SOIL AMENDMENTS:
 FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 2,000 LB/ACRE GROUND AGRICULTURAL LIMESTONE AND 750 LB/ACRE 10-10-10 FERTILIZER.

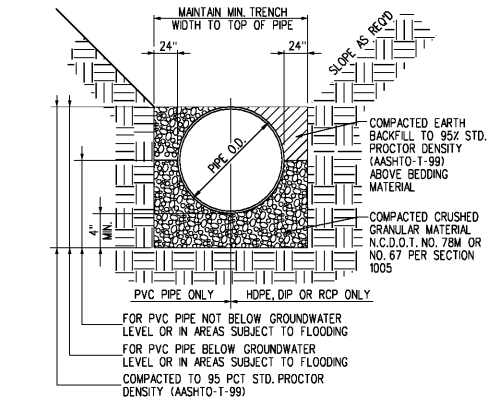
SOIL AMENDMENTS:
 FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 2,000 LB/ACRE GROUND AGRICULTURAL LIMESTONE AND 1,000 LB/ACRE 10-10-10 FERTILIZER.

SOIL AMENDMENTS:
 FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 2,000 LB/ACRE GROUND AGRICULTURAL LIMESTONE AND 1,000 LB/ACRE 10-10-10 FERTILIZER.

MAINTENANCE:
 REPAIR AND REPERTELUZED DAMAGED AREAS IMMEDIATELY. TOPRESS WITH 50 LB/ACRE OF NITROGEN IN MARCH. IF IT IS NECESSARY TO EXTEND TEMPORARY COVER BEYOND JUNE 15, OVERSEE WITH 50 LB/ACRE KURE LEPSIDEX IN LATE FEBRUARY OR EARLY MARCH.

FOR ADDITIONAL INFORMATION, REFER TO NCCSR EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL (ESCPDM) SECTION 6.10. PIPE BEDDING SPECIFICATIONS, INCLUDING REVISIONS, FOR BEDDING OPERATIONS, THE KINDS OF GRADES OF FERTILIZERS, THE KINDS OF SEED, AND THE RATES OF APPLICATION OF LIMESTONE, FERTILIZER, AND SEED, REFER TO NCCSR EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL (ESCPDM) SECTION 6.10.

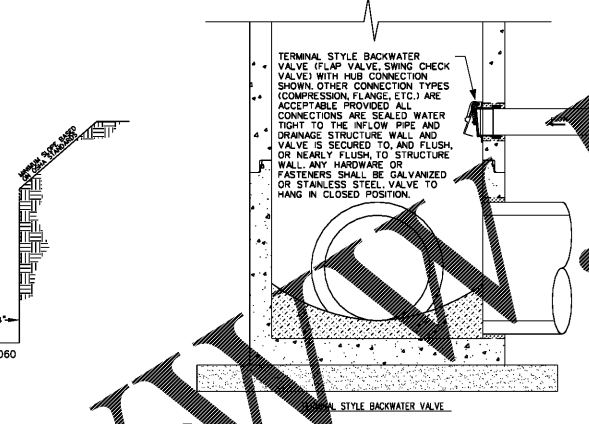
D3 Temporary Seeding Schedule No Scale



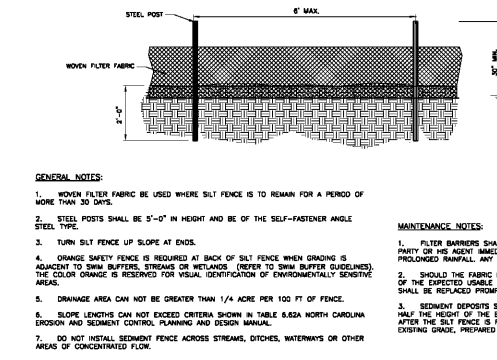
C1 Gravity Storm / Sanitary Pipe Bedding No Scale

- NOTES:**
1. A MINIMUM OF 24" FROM OUTSIDE DIAMETER OF PIPE TO SIDE OF TRENCH MUST BE ALLOWED FOR COMPACTION OF FILL MATERIAL. BACKFILLING OF TRENCHES SHALL BE ACCOMPLISHED IMMEDIATELY AFTER THE PIPE IS LAD. THE FILL AROUND THE PIPE SHALL BE PLACED IN LAYERS NOT TO EXCEED 6" UNDER NO CIRCUMSTANCES SHALL WATER BE PERMITTED TO RISE IN UNBACKFILLED TRENCHES AFTER THE PIPE HAS BEEN PLACED. COMPACTION REQUIREMENTS SHALL BE ATTAINED BY THE USE OF MECHANICAL TAMPS ONLY. EACH AND EVERY LAYER OF BACKFILL SHALL BE PLACED LOOSE AND THOROUGHLY COMPACTED INTO PLACE.
 2. ALL BACKFILL MATERIAL SHALL HAVE AN IN PLACE COMPACTION DENSITY OF 95%.
 3. STANDARD PROCTOR, THE FINAL 2' BELOW FINISHED GRADE SHALL BE 100%.
 4. ALL TRENCHING OPERATIONS SHALL MEET OSHA STANDARDS.
 5. BACKFILL MATERIAL BENEATH ROADWAY SHALL BE SELECT BACKFILL MATERIAL.

C2 Trench Detail For Storm / Sanitary Piping No Scale



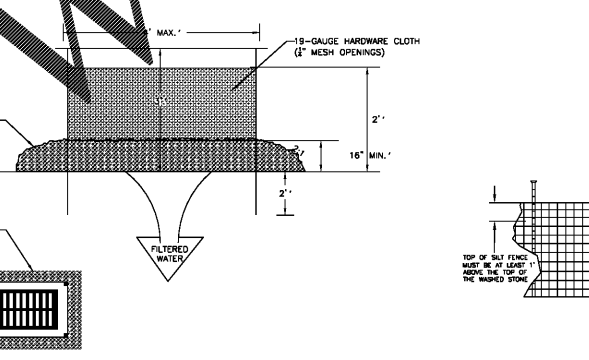
C3 Storm System Backwater Valve Details No Scale



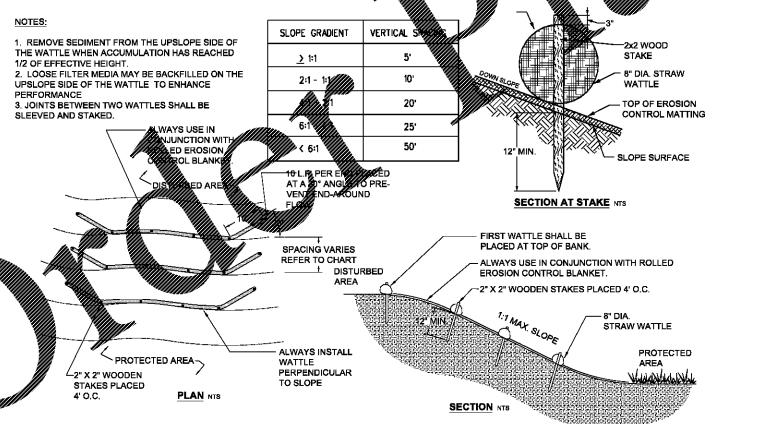
B1 Temporary Silt Fence No Scale

- GENERAL NOTES:**
1. UNIFORMLY GRADE A SHALLOW DEPRESSION APPROACHING THE INLET.
 2. DRIVE 5-FOOT STEEL POSTS 2 FEET INTO THE GROUND SURROUNDING THE INLET SPACE POSTS EVENLY AROUND THE PERIMETER OF THE INLET. A MAXIMUM OF 4 FEET APART.
 3. SURROUND THE POSTS WITH WIRE MESH HARDWARE CLOTH. SECURE THE WIRE MESH TO STEEL POSTS AT THE TOP, MIDDLE AND BOTTOM. PLACING A 2-INCH FLAP OF THE MESH UNDER THE GRAVEL AND ANCHORING IS RECOMMENDED.
 4. PLACE CLEAN GRAVELING DOT #4 OR #57 STONE ON A 2:1 SLOPE WITH A HEIGHT OF 8 INCHES ABOVE THE WIRE, AND SMOOTH TO AN EVEN GRADE.
 5. ONCE THE TRIBUTARY WATERS AREA HAS BEEN STABILIZED, ACCUMULATED SEDIMENT, AND ESTABLISH FINAL GRADE AND ELEVATIONS.
 6. COMPACT THE AREA AND STABILIZE IT WITH GROUNDCOVER.

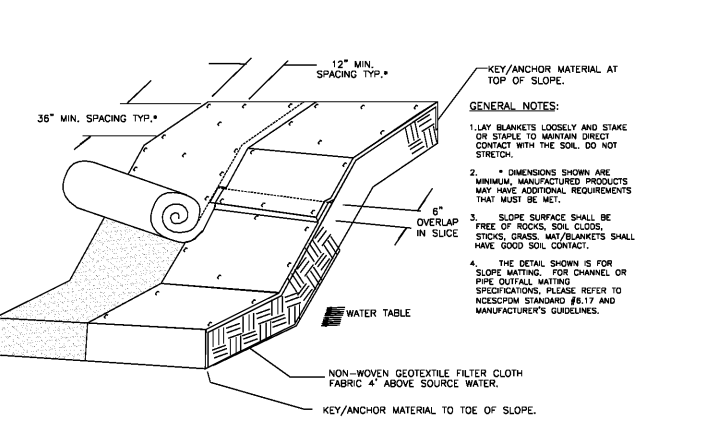
B2 Temporary Inlet Protection No Scale



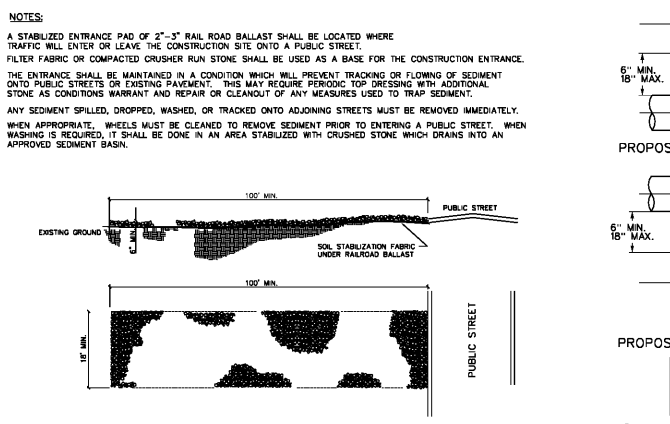
B3 Silt Fence Outlet No Scale



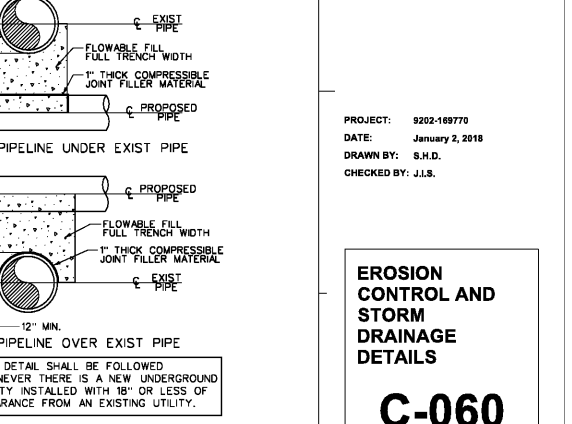
A1 Straw Wattle Installation on Slopes No Scale



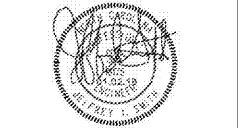
A2 Embankment Matting Detail No Scale



A3 Temp. Construction Entrance No Scale



A4 Pipe Crossing No Scale



REVISIONS:

No.	Description	Date