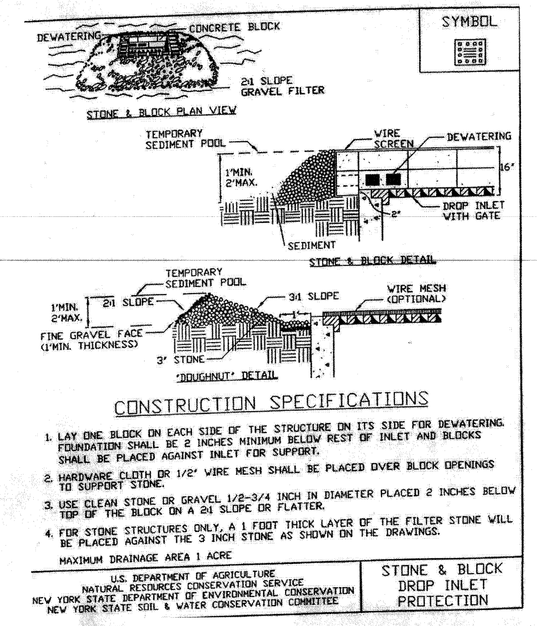


CONSTRUCTION SPECIFICATIONS

1. LAY ONE BLOCK ON EACH SIDE OF THE STRUCTURE ON ITS SIDE FOR DEWATERING. FOUNDATION SHALL BE 2 INCHES MINIMUM BELOW REST OF INLET AND BLOCKS SHALL BE PLACED AGAINST INLET FOR SUPPORT.
2. HARDWARE CLOTH OR 1/2" WIRE MESH SHALL BE PLACED OVER BLOCK OPENINGS TO SUPPORT STONE.
3. USE CLEAN STONE OR GRAVEL 1/2-3/4 INCH IN DIAMETER PLACED 2 INCHES BELOW TOP OF THE BLOCK ON A 2:1 SLOPE OR FLATTER.
4. FOR STONE STRUCTURES ONLY, A 1 FOOT THICK LAYER OF THE FILTER STONE WILL BE PLACED AGAINST THE 3 INCH STONE AS SHOWN ON THE DRAWINGS.

MAXIMUM DRAINAGE AREA 1 ACRE

U.S. DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE

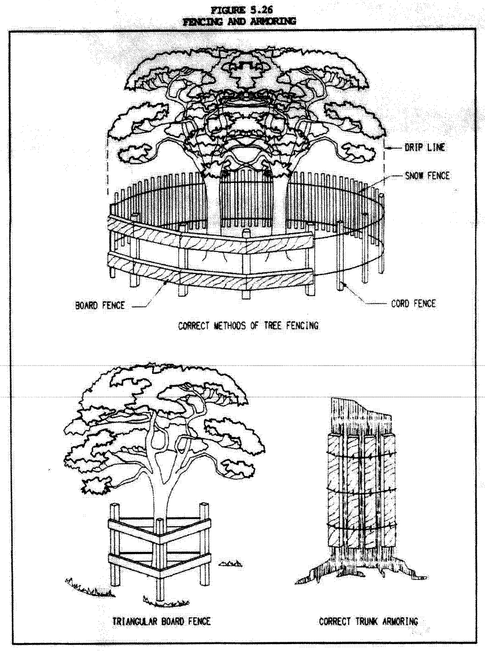
STONE & BLOCK DROP INLET PROTECTION

1 / L2.1 STONE AND BLOCK DROP INLET PROTECTION DETAIL

SCALE: NOT TO SCALE

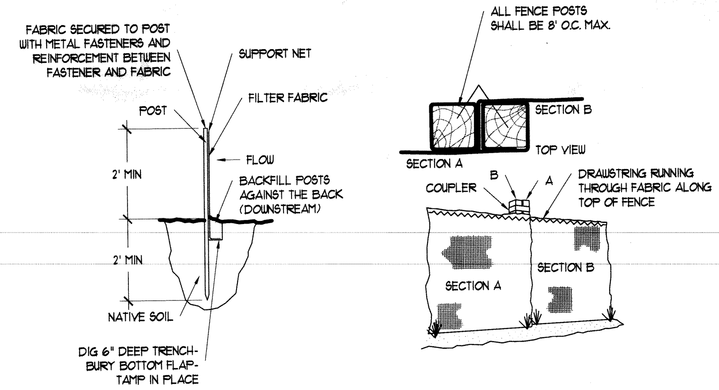
TREE PROTECTION NOTES:

1. FENCE SHALL BE INSTALLED PRIOR TO ANY SITE DEMOLITION, SITE PREPARATION, OR EXCAVATION. EXISTING TREES TO REMAIN SHALL BE PROTECTED FIRST BEFORE ANY OTHER WORK IS EXECUTED.
2. TREES TO REMAIN AFTER CONSTRUCTION ARE TO BE PROTECTED WITH A SUITABLE FENCE INSTALLED AT THE DRIP LINE OR BEYOND.
3. ALL TREES TO BE TRANSPLANTED SHALL BE MOVED TO DESIGNATED 'HEELING-IN' AREA PRIOR TO ANY SITE DEMO, SITE PREP OR EXCAVATION.
4. NO MATERIALS SHALL BE STORED OR NO ACTIVITY PERMITTED WITHIN THE FENCED AREAS OR BENEATH DRIPLINE OF ANY TREE.
5. ABSOLUTELY NO FIRES ALLOWED ON SITE.
6. MAINTAIN PROTECTIVE FENCING UNTIL AFTER ALL CONSTRUCTION OPERATIONS WITHIN 100 FEET OF TREES HAVE BEEN COMPLETED. FENCING CAN ONLY BE REMOVED AFTER ALL EARTHWORK AND SURROUNDING SITE IMPROVEMENTS ARE COMPLETE. OPENINGS WITHIN PROTECTION AREA ARE THEN PERMITTED AS NECESSARY TO FACILITATE THE WORK OF PLANTING, LAWNS, OR IRRIGATION.
7. DAMAGE TO THE TREE BARK AND/OR BRANCHES CAUSED BY THE CONTRACTOR AND/OR ANY SUBCONTRACTOR SHALL REQUIRE INSPECTION BY A NEW YORK STATE LICENSED ARBORIST. ARBORIST SHALL MAKE RECOMMENDATIONS TO REPAIR DAMAGE AND AMELIORATE INJURY(S). THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING THE RECOMMENDATIONS BY APPROPRIATE PROFESSIONAL ARBORISTS SERVICES.
8. GENERAL CONTRACTOR AND/OR CONSTRUCTION MANAGER SHALL BE RESPONSIBLE FOR MAINTAINING FENCING THROUGH ENTIRE CONSTRUCTION PERIOD.



4 / L2.1 TREE PROTECTION FENCING DETAIL

SCALE: NOT TO SCALE



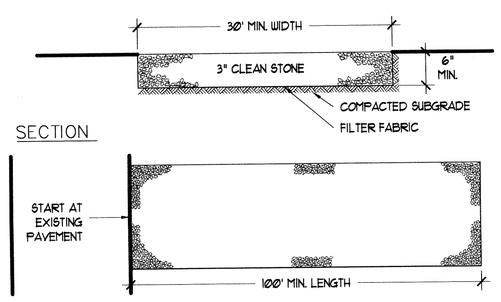
TOE-IN METHOD

JOINING SECTIONS OF FENCING

INSTALLATION NOTES:
1. ALL INSTALLATION AS PER ASTM STANDARDS
2. EXCAVATE A 6 INCH TRENCH ALONG THE LOWER PERIMETER OF THE SITE
3. UNROLL A SECTION AT A TIME AND POSITION WALL OF THE TRENCH (WET SIDE) AWAY FROM DIRECTION OF FLOW
4. DRIVE THE POST INTO THE GROUND UNTIL THE WIRE NETTING IS APPROXIMATELY 2 INCHES FROM THE TRENCH BOTTOM
5. LAY THE TOE-IN FLAP OF FABRIC ONTO THE UNDISTURBED BOTTOM OF THE TRENCH, BACKFILL THE TRENCH AND TAMP THE SOIL. STEEPER SLOPES REQUIRE AN INTERCEPT TRENCH
6. JOIN SECTIONS AS SHOWN ABOVE

2 / L2.1 FABRIC SILTATION FENCE DETAIL

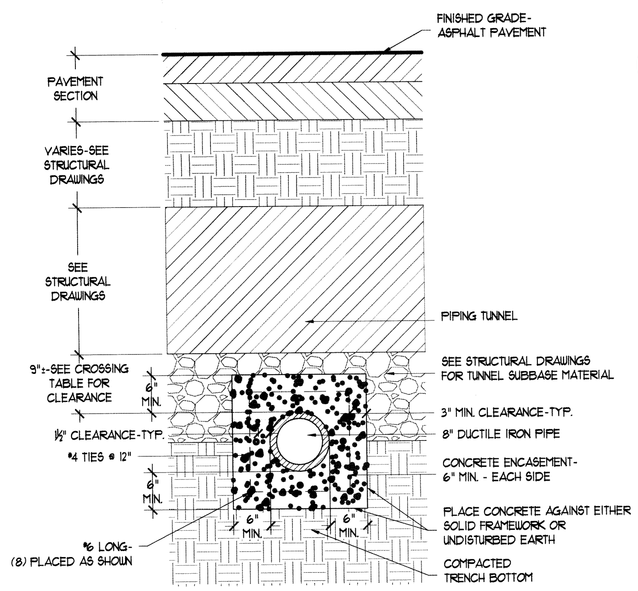
SCALE: NOT TO SCALE



INSTALLATION NOTES:
1. STONE SIZE-USE 3" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT
2. LENGTH-AS REQUIRED, BUT NOT LESS THAN 100 FEET
3. THICKNESS-NOT LESS THAN SIX (6) INCHES
4. WIDTH-30 FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCUR.
5. FILTER CLOTH-WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE. FILTER CLOTH 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 PERMITTED
7. MAINTENANCE-THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT OF WAY. 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 WAY MUST BE REMOVED IMMEDIATELY
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 SEDIMENT TRAPPING DEVICE
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN

3 / L2.1 STABILIZED CONSTRUCTION ACCESS DETAIL

SCALE: NOT TO SCALE

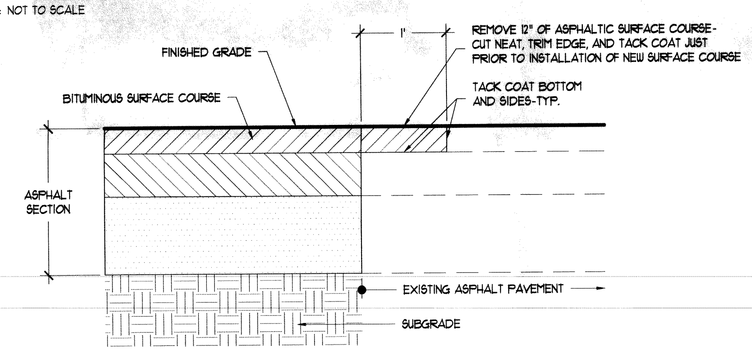


5 / L2.1 PIPE ENCASEMENT TRENCH DETAIL

SCALE: NOT TO SCALE

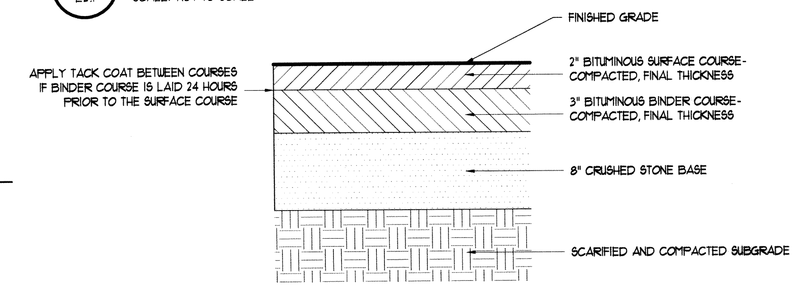
6 / L2.1 NOT USED

SCALE: NOT TO SCALE



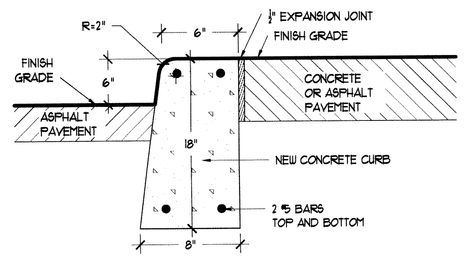
7 / L2.1 NEW ASPHALT PAVEMENT MEETING EXISTING ASPHALT ROAD PAVEMENT DETAIL

SCALE: NOT TO SCALE



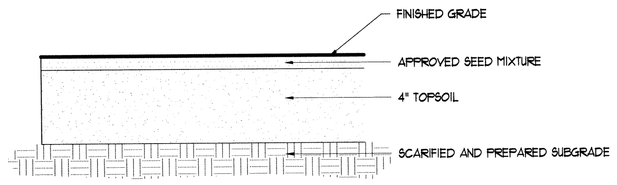
8 / L2.1 NEW ASPHALT ROAD PAVEMENT DETAIL

SCALE: NOT TO SCALE



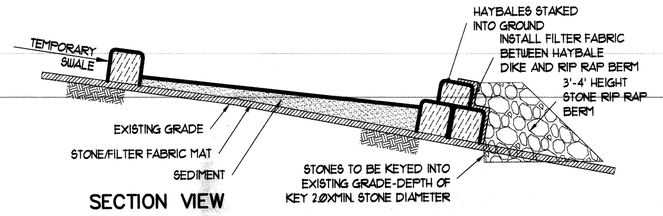
9 / L2.1 CONCRETE CURB DETAIL

SCALE: NOT TO SCALE

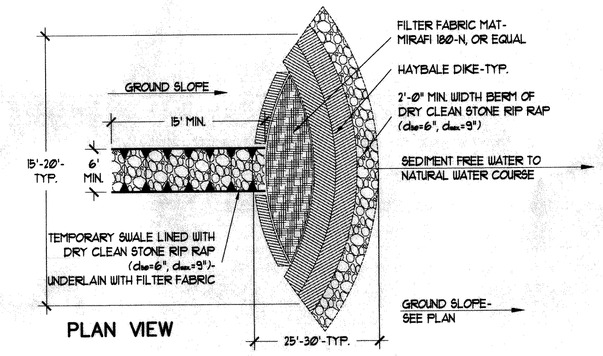


10 / L2.1 LAWN RESTORATION DETAIL

SCALE: NOT TO SCALE



SECTION VIEW



PLAN VIEW

TEMPORARY DEWATERING OPERATION NOTES:

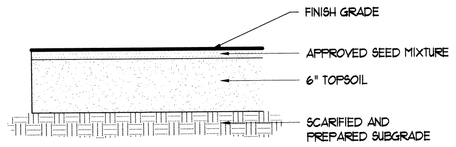
1. TEMPORARY SITE DEWATERING OPERATIONS SHALL BE EMPLOYED, AS REQUIRED, FOR THE CONSTRUCTION OF TUNNEL.
2. SITE DEWATERING WILL BE PERFORMED, AS REQUIRED, TO COMPLETE THE INSTALLATION OF THE TUNNEL; STORM DRAIN MANHOLES, AND OTHER SITE UTILITIES.
3. WATER DISCHARGED FROM ALL DEWATERING OPERATIONS DURING CONSTRUCTION SHALL BE DIRECTED TO THE NEAREST TEMPORARY DEWATERING TRAP AREA AS IDENTIFIED ON THE EROSION & SEDIMENT CONTROL PLAN SHEETS. PRIOR TO THE COMMENCEMENT OF ANY DEWATERING OPERATIONS, RESPECTIVE DEWATERING TRAP AREAS SHALL BE CONSTRUCTED AND STABILIZED.
4. MECHANICAL PUMPING EQUIPMENT SHALL BE USED TO DELIVER WATER FROM EXCAVATION LOCATIONS TO THE TEMPORARY DEWATERING TRAP AREAS. HOSES OR OTHER SIMILAR CLOSED CONDUIT (i.e., piping) INSTALLED AT GRADE, SHALL BE USED TO CONVEY WATER FROM THE MECHANICAL PUMPING UNITS TO DEWATERING TRAP AREAS.
5. MECHANICAL PUMPING EQUIPMENT SHALL BE OF THE SELF POWERED, SELF PRIMING TYPE, CAPABLE OF PASSING A 2-INCH MIN. SOLID. PUMPING UNITS SHALL BE CAPABLE OF "RUN DRY" OPERATION FOR AN EXTENDED PERIOD OF TIME WITHOUT DAMAGE.
6. FOR THE DURATION OF CONSTRUCTION, ROUTINE PREVENTATIVE AND CORRECTIVE MAINTENANCE SHALL BE PERFORMED ON ALL MECHANICAL PUMPING EQUIPMENT INSTALLED AS PART OF NECESSARY DEWATERING OPERATIONS.
7. DEWATERING OPERATIONS SHALL BE SUSPENDED IMMEDIATELY AT ANY TIME THAT SEDIMENT OR COLLOIDAL MATERIAL (HIGH TURBIDITY) IS OBSERVED IN WATER RELEASED FROM THE TEMPORARY DEWATERING TRAP AREAS.

SEDIMENT TRAP DETAIL NOTES:

1. SEDIMENT TRAP AREA TO BE CLEARED, GRUBBED AND LIGHTLY GRADED TO THE EXTENT REQUIRED TO COMPLETE INSTALLATION OF TEMPORARY SWALE, FILTER FABRIC, HAY BALE DIKE AND STONE RIP RAP BERM.
2. HAY BALES SHALL BE PLACED IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
3. EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF 4", AND PLACED SO THAT BINDINGS ARE HORIZONTAL.
4. EACH BALE SHALL BE SECURELY ANCHORED IN PLACE BY EITHER TWO STAKES OR RE-BAR DRIVEN THROUGH THE BALE. THE FIRST STAKE IN EACH BALE SHALL BE DRIVEN TOWARD THE PREVIOUSLY LAID BALE AT AN ANGLE TO FORCE THE BALES TOGETHER. STAKES SHALL BE DRIVEN FLUSH WITH THE BALE.
5. BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.
6. LOCATION AND PLACEMENT AS SHOWN ON THE APPROVED EROSION & SEDIMENT CONTROL PLANS.
7. SEDIMENT TO BE REMOVED WHEN ACCUMULATION EXCEEDS 12" AT DISCHARGE END.
8. EXTEND THE COMBINED HAY BALE AND RIP RAP BERM AS REQUIRED DURING CONSTRUCTION TO PROVIDE FULL CONTAINMENT OF STANDING WATER POOL.

11 / L2.1 TEMPORARY DEWATERING TRAP DETAIL

SCALE: NOT TO SCALE



12 / L2.1 TOPSOIL AND SEED SECTION DETAIL

SCALE: NOT TO SCALE

FINAL DESIGN (100%)
FULLY SPRINKLERED

Revisions	Date

CONSULTANTS:

Quality Service Since 1944
FRIEDMAN FISHER ASSOCIATES, P.C.
CONSULTING ENGINEERS
22 Aviation Road, Albany, New York 12205
TEL (518) 458-7040 FAX (518) 458-7045
mail@friedmanfisher.com

RYAN-BIGGS ASSOCIATES, P.C.
257 Ushers Road 518 406.5506
Clifton Park, NY 12065 406.5514
www.ryanbiggs.com

EBERLIN AND EBERLIN, P.C.
31 SODOM ROAD, BREWSTER, NEW YORK 10509
CONSULTING ENGINEERS, PLANNERS, LANDSCAPE ARCHITECTS
845.582.0359 PHONE 845.279.2062 FAX

ARCHITECT/ENGINEERS:

Hyman Hayes
ASSOCIATES
6 WEMBLEY COURT, ALBANY, NEW YORK 12205
(518) 452-3470 (518) 452-3783 Fax
Over 20 years of quality architectural service

HHA Proj. 12072

Drawing Title: SITE DETAILS

Approved Project Director

Project Title: REPAIR HOT WATER LINES PHASE III Stratton VA Medical Center

Location: Albany, New York

Date: MAY 10, 2013 | Checked | Drawn

Project Number: VA 528A8-10-814

Building Number: -

Drawing Number: L2.1 Dwg. 7 of 19

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231