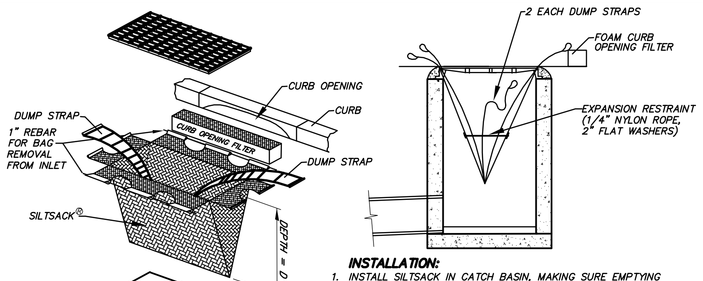
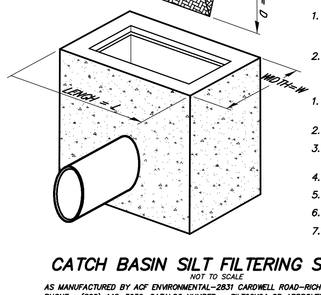


INSTALLATION:

1. INSTALL SILTSACK IN CATCH BASIN, MAKING SURE EMPTYING STRAPS ARE LAID FLAT OUTSIDE OF BASIN AND HELD IN PLACE BY DRAIN GRATE.
2. HOLD DOWN REMOVAL FLAP POCKETS AND EMPTYING STRAPS BY COVERING WITH SOIL.



INSTALLATION:

1. REMOVE SOIL COVERING REMOVAL FLAP POCKETS AND INSERT REBAR THROUGH POCKETS.
2. REMOVE CATCH BASIN COVER GRATE.
3. REMOVE SILTSACK FROM CATCH BASIN BY ATTACHING TO BOTH BARS AND LIFTING WITH AVAILABLE EQUIPMENT.
4. MOVE FILLED SILTSACK TO DUMPING AREA AND SET ON GROUND
5. REMOVE STRAPS FROM LIFTING BARS
6. INSERT A LIFTING BAR THROUGH BOTH EMPTYING STRAPS
7. LIFT WITH AVAILABLE EQUIPMENT WITH EMPTYING STRAPS

CATCH BASIN SILT FILTERING SYSTEM

NOT TO SCALE

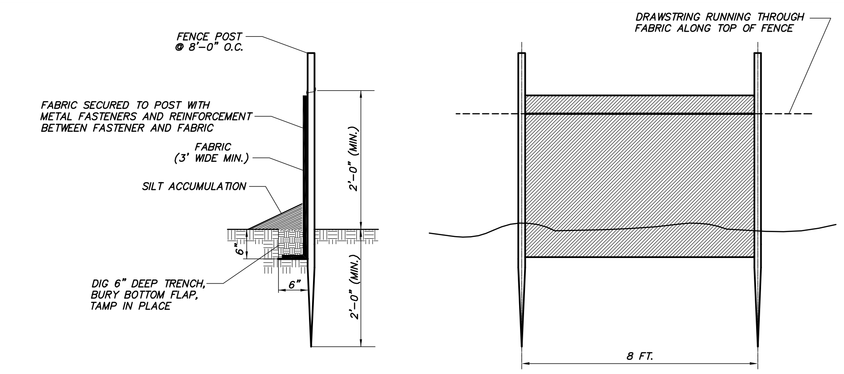
AS MANUFACTURED BY ACF ENVIRONMENTAL–2831 CARDWELL ROAD–RICHMOND, VIRGINIA 23234
PHONE : (800) 448–3636, CATALOG NUMBER – SILTSOCK OR APPROVED EQUAL

SEQUENCE OF CONSTRUCTION

1. NOTIFY THE MUNICIPAL ENGINEER AND SOIL CONSERVATION DISTRICT IN WRITING 72 HOURS PRIOR TO THE START OF CONSTRUCTION AND A PRE–CONSTRUCTION MEETING SHALL BE HELD.

NOTE: CONTRACTOR SHALL USE ONLY LOW WEIGHT EQUIPMENT IN THE STORMWATER RECHARGE AREA . THE CONTRACTOR SHALL AVOID THE COMPACTION OF THE STORMWATER RECHARGE AREA BOTH DURING ALL CONSTRUCTION ACTIVITIES AND AT THE COMPLETION OF CONSTRUCTION.

2.	LICENSED SURVEYOR TO STAKE–OUT PROPOSED FEATURES AND LIMITS OF DISTURBANCE.	1 DAY
3.	INSTALL SESC PROTECTION MEASURES (ie.STABILIZED CONSTRUCTION ACCESS, SILT FENCING, SAFETY FENCING, INLET AND TREE PROTECTIONS)	2 DAYS
4.	CLEARING WITHIN LIMIT OF DISTURBANCE. STRIP/STOCKPILE TOPSOIL.	1 WEEK
5.	ROUGH GRADE COURTS, WALKS AND DISTURBANCE AREAS.	1 WEEK
6.	INSTALL COURTS w/ FENCING.	1 WEEK
7.	INSTALL STORMWATER MEASURES (IE.BMP, INLETS AND PIPES).	1 WEEK
8.	INSTALL ACCESS WALKS. RE–ROUTE UNDERGROUND UTILITIES AS NECESSARY. FINE GRADE CONSTRUCTION AREAS. SCARIFY SUBGRADE SOILS TO A DEPTH OF 6" PRIOR TO THE APPLICATION OF TOPSOIL.	3 DAYS
9.	FINE GRADING, MULCHING, SEEDING & PLANTING OF LANDSCAPE AND LAWN AREAS, ETC.	3 DAYS
10.	REMOVE ALL SILT FENCE AND OTHER SOIL EROSION CONTROL MEASURES WHEN PERMANENT VEGETATIVE COVER IS ESTABLISHED.	2 DAYS



SILT FENCE DETAIL

NOT TO SCALE

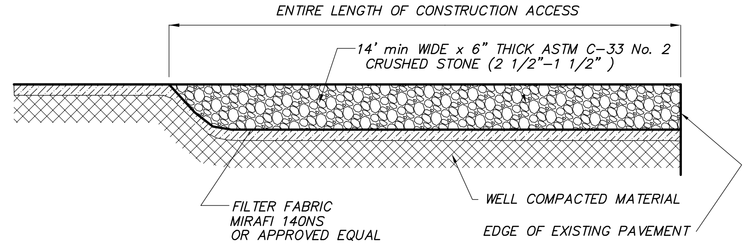
REF.: STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY, PAGES 25–2 & 25–4.

REQUIREMENTS FOR SILT FENCE:

1. FENCE POSTS SHALL BE SPACED 8 FEET CENTER–TO–CENTER OR CLOSER. THEY SHALL EXTEND AT LEAST 2 FEET INTO THE GROUND AND EXTEND AT LEAST 2 FEET ABOVE GROUND. POSTS SHALL BE CONSTRUCTED OF HARDWOOD WITH A MINIMUM DIAMETER THICKNESS OF 1 1/2 INCHES.
2. A METAL FENCE WITH 6 INCH OR SMALLER OPENINGS AND AT LEAST 2 FEET HIGH MAY BE UTILIZED, FASTENED TO THE FENCE POSTS, TO PROVIDE REINFORCEMENT AND SUPPORT TO THE GEOTEXTILE FABRIC WHERE SPACE FOR OTHER PRACTICES IS LIMITED AND HEAVY SEDIMENT LOADING IS EXPECTED.
3. A GEOTEXTILE FABRIC, RECOMMENDED FOR SUCH USE BY THE MANUFACTURER, SHALL BE BURIED AT LEAST 6 INCHES DEEP IN THE GROUND. THE FABRIC SHALL EXTEND AT LEAST 2 FEET ABOVE THE GROUND. THE FABRIC MUST BE SECURELY FASTENED TO THE POSTS USING A SYSTEM CONSISTING OF METAL FASTENERS (NAILS OR STAPLES) AND A HIGH STRENGTH REINFORCEMENT MATERIAL (NYLON WEBBING, GROMMETS, WASHERS, ETC.) PLACED BETWEEN THE FASTENER AND THE GEOTEXTILE FABRIC. THE FASTENING SYSTEM SHALL RESIST TEARING AWAY FROM THE POST. THE FABRIC SHALL INCORPORATE A DRAWSTRING IN THE TOP PORTION OF THE FENCE FOR ADDED STRENGTH.

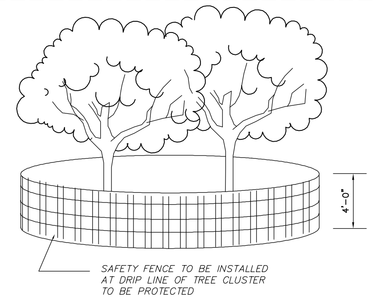
STABILIZED CONSTRUCTION ACCESS

NOT TO SCALE



LENGTHS OF CONSTRUCTION EXITS ON SLOPING ROADBEDS

PERCENT SLOPE OF ROADWAY	LENGTH OF STONE REQUIRED	
	COARSE GRAINED SOILS	FINE GRAINED SOILS
0 TO 2%	50 FT.	100 FT.
2 TO 5%	100 FT.	200 FT.
>5%	ENTIRE SURFACE STABILIZED WITH FABC BASE COARSE	

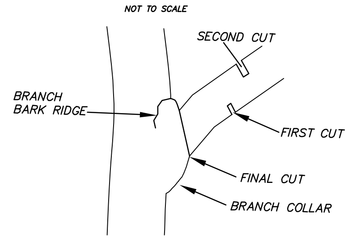


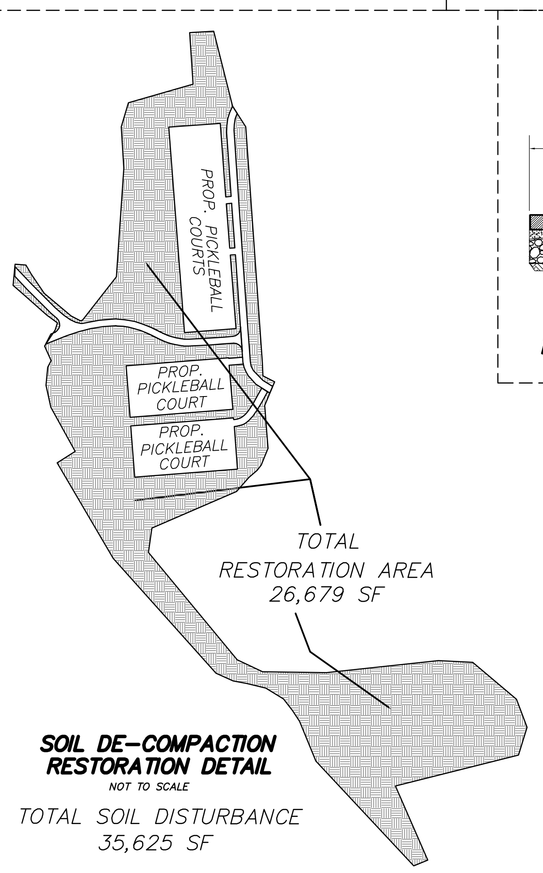
TREE PROTECTION DETAIL

NOT TO SCALE

REMOVAL OF TREE LIMB

NOT TO SCALE

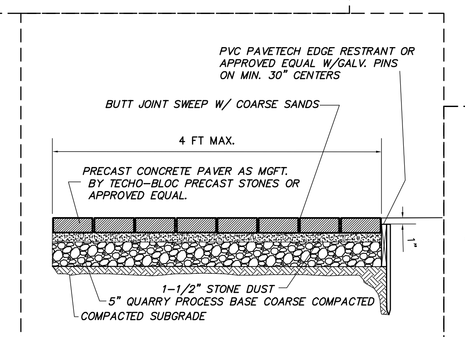




SOIL DE–COMPACTION RESTORATION DETAIL

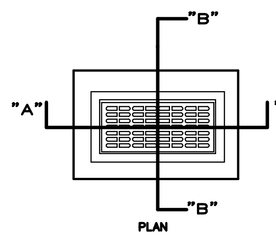
NOT TO SCALE

TOTAL SOIL DISTURBANCE 35,625 SF



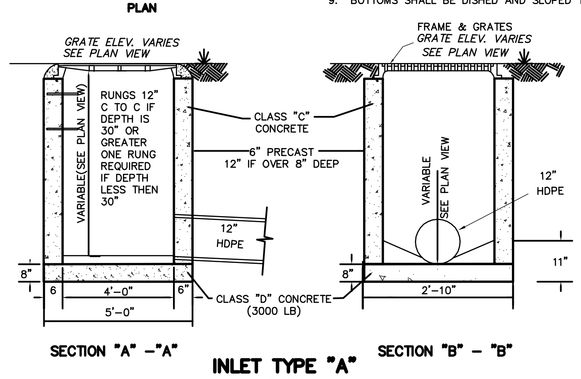
BRICK WALK DETAIL

NOT TO SCALE



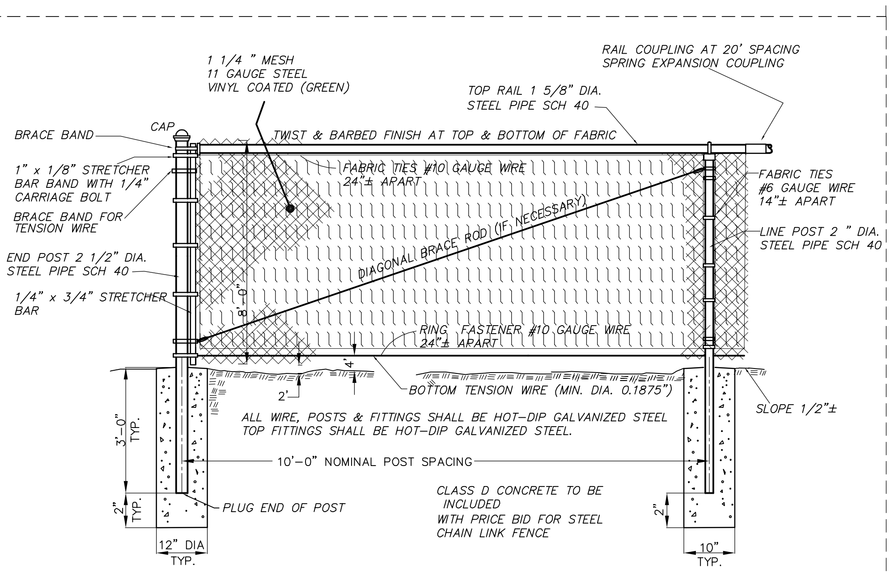
NOTE :

1. UNIT SHALL BE CONSTRUCTED OF PRECAST CONCRETE
2. CHANNELS TO BE CLASS "C" CONCRETE.
3. FRAME AND GRATE TO BE No. 3405 AS MANUFACTURED BY CAMPBELL FOUNDRY OR APPROVED EQUAL.
4. PROVIDE 3/4" DIA. ALUMINUM LADDER RUNGS 12" O.C.
5. PRECAST UNIT SHALL BE DESIGNED TO AASHTO H–20 LOADINGS.
6. WALLS OVER 8 FT. DEEP SHALL BE 12" THICK.
7. ALL PIPES TO BE CUT FLUSH WITH BASIN WALL.
8. INVERTS ARE TO BE ELIMINATED IN BOTTOM OF TERMINAL INLET.
9. BOTTOMS SHALL BE DISHED AND SLOPED TOWARD THE OUTLET.



SECTION "A" –"A" INLET TYPE "A" SECTION "B" – "B"

NOT TO SCALE

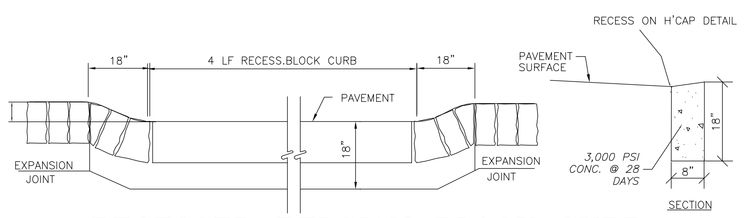


PROP. PICKLEBALL COURT ENCLOSURE

TYPICAL 4 FT. High CHAIN LINK FENCE DETAIL

NOT TO SCALE

NOTE: SEE PLAN VIEW FOR LOCATION OF 4 AND 10 FT. HIGH FENCE SECTIONS



RECESSED BELGIAN BLOCK CURB AT H'CAP RAMP DETAIL

NOT TO SCALE

MORRIS COUNTY SOIL CONSERVATION DISTRICT SOIL EROSION AND SEDIMENT CONTROL NOTES

1. ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE INSTALLED IN ACCORDANCE WITH THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY, AND WILL BE IN PLACE PRIOR TO ANY MAJOR SOIL DISTURBANCE, OR IN THEIR PROPER SEQUENCE AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.

2. ANY DISTURBED AREA THAT WILL BE LEFT EXPOSED FOR MORE THAN THIRTY (30) DAYS AND NOT SUBJECT TO CONSTRUCTION TRAFFIC SHALL IMMEDIATELY RECEIVE A TEMPORARY SEEDING. IF THE SEASON PROHIBITS TEMPORARY SEEDING, THE DISTURBED AREAS WILL BE MULCHED WITH STRAW OR HAY AND TACKED IN ACCORDANCE WITH THE NEW JERSEY STANDARDS. SEE NOTE 21 BELOW.

3. PERMANENT VEGETATION IS TO BE ESTABLISHED ON EXPOSED AREAS WITHIN TEN (10) DAYS AFTER FINAL GRADING. MULCH IS TO BE USED FOR PROTECTION UNTIL VEGETATION IS ESTABLISHED. SEE NOTE 22 BELOW.

4. IMMEDIATELY FOLLOWING INITIAL DISTURBANCE OR ROUGH GRADING. ALL CRITICAL AREAS (STEEP SLOPES, SANDY SOILS, WET CONDITIONS) SUBJECT TO EROSION WILL RECEIVE A TEMPORARY SEEDING IN ACCORDANCE WITH NOTE 21 BELOW.
5. TEMPORARY DIVERSION BERMS ARE TO BE INSTALLED ON ALL CLEARED ROADWAYS AND EASEMENT AREAS. SEE THE DIVERSION DETAIL.

6. PERMANENT SEEDING AND STABILIZATION TO BE IN ACCORDANCE WITH THE "STANDARDS FOR PERMANENT VEGETATIVE COVER FOR SOIL STABILIZATION COVER". SPECIFIED RATES AND LOCATIONS SHALL BE ON THE APPROVED SOIL EROSION AND SEDIMENT CONTROL PLAN.

7. THE SITE SHALL AT ALL TIMES BE GRADED AND MAINTAINED SO THAT ALL STORMWATER RUNOFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL FACILITIES.

8. ALL SEDIMENTATION STRUCTURES (SILT FENCE, INLET FILTERS, AND SEDIMENT BASINS) WILL BE INSPECTED AND MAINTAINED DAILY.

9. STOCKPILES SHALL NOT BE LOCATED WITHIN 50' OF A FLOODPLAIN, SLOPE, DRAINAGE FACILITY, OR ROADWAY. ALL STOCKPILES BASES SHALL HAVE A SILT FENCE PROPERLY ENTRENCHED AT THE TOE OF SLOPE.

10. A STABILIZED CONSTRUCTION ACCESS WILL BE INSTALLED, WHENEVER AN EARTHEN ROAD INTERSECTS WITH A PAVED ROAD. SEE THE STABILIZED CONSTRUCTION ACCESS DETAIL AND CHART FOR DIMENSIONS.

11. ALL NEW ROADWAYS WILL BE TREATED WITH SUITABLE SUBBASE UPON ESTABLISHMENT OF FINAL GRADE ELEVATIONS.

12. PAVED ROADWAYS MUST BE KEPT CLEAN AT ALL TIMES.

13. BEFORE DISCHARGE POINTS BECOME OPERATIONAL, ALL STORM DRAINAGE OUTLETS WILL BE STABILIZED AS REQUIRED.

14. ALL DEWATERING OPERATIONS MUST BE DISCHARGED DIRECTLY INTO A SEDIMENT FILTER AREA. THE FILTER SHOULD BE COMPOSED OF A FABRIC OR APPROVED MATERIAL. SEE THE DEWATERING DETAIL.

15. ALL SEDIMENT BASINS WILL BE CLEANED WHEN THE CAPACITY HAS BEEN REDUCED BY 50%. A CLEAN OUT ELEVATION WILL BE IDENTIFIED ON THE PLAN AND A MARKER INSTALLED ON THE SITE.

16. DURING AND AFTER CONSTRUCTION, THE APPLICANT WILL BE RESPONSIBLE FOR THE MAINTENANCE AND UPKEEP OF THE DRAINAGE STRUCTURES, VEGETATION COVER, AND ANY OTHER MEASURES DEEMED APPROPRIATE BY THE DISTRICT. SAID RESPONSIBILITY WILL END WHEN COMPLETED WORK IS APPROVED BY THE MORRIS COUNTY SOIL CONSERVATION DISTRICT.

17. ALL TREES OUTSIDE THE DISTURBANCE LIMIT INDICATED ON THE SUBJECT PLAN OR THOSE TREES WITHIN THE DISTURBANCE AREA WHICH ARE DESIGNATED TO REMAIN AFTER CONSTRUCTION ARE TO BE PROTECTED WITH TREE PROTECTION DEVICES. SEE THE TREE PROTECTION DETAIL.

18. THE MORRIS COUNTY SOIL CONSERVATION DISTRICT MAY REQUEST ADDITIONAL MEASURES TO MINIMIZE ON SITE OR OFF SITE EROSION PROBLEMS DURING CONSTRUCTION.

19. THE MORRIS COUNTY SOIL CONSERVATION DISTRICT MUST BE NOTIFIED, IN WRITING, AT LEAST 72 HOURS PRIOR TO ANY LAND DISTURBANCE, AND A PRE–CONSTRUCTION MEETING HELD.

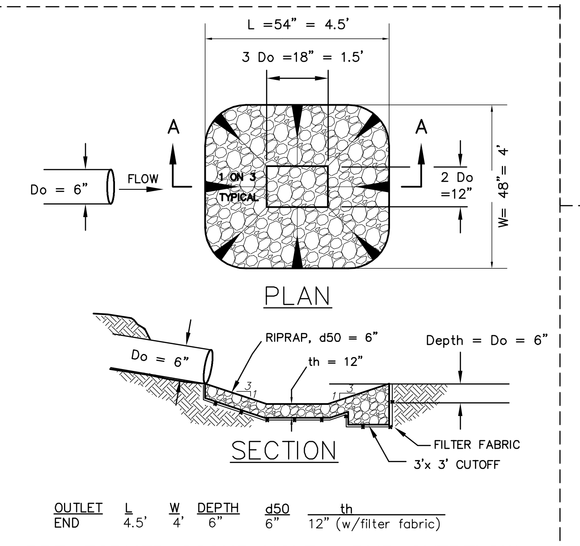
20. CONTRACTOR TO SET UP A MEETING WITH THE INSPECTOR FOR PERIODIC INSPECTIONS OF THE TEMPORARY SEDIMENT BASIN PRIOR TO AND DURING ITS CONSTRUCTION.

21. TOPSOIL STOCKPILE PROTECTION
    a) APPLY GROUND LIMESTONE AT A RATE OF 90 LBS PER 1000 SQ. FT.
    b) APPLY FERTILIZER (10–20–10) AT A RATE OF 11 LBS. PER 1000 SQ. FT.
    c) APPLY PERENNIAL RYEGRASS SEED AT 1 LB. PER 1000 SQ. FT. AND ANNUAL RYEGRASS AT 1 LB. PER 1000 SQ. FT.
    d) MULCH STOCKPILE WITH STRAW OR HAY AT A RATE OF 90 LBS. PER 1000 SQ. FT.
    e) APPLY A LIQUID MULCH BINDER OR TACK TO STRAW OR HAY MULCH.
    f) PROPERLY ENTRENCH A SILT FENCE AT THE BOTTOM OF THE STOCKPILE.

22. TEMPORARY STABILIZATION SPECIFICATIONS
    a) APPLY GROUND LIMESTONE AT A RATE OF 90 LBS PER 1000 SQ. FT.
    b) APPLY FERTILIZER (10–20–10) AT A RATE OF 11 LBS. PER 1000 SQ. FT.
    c) APPLY PERENNIAL RYEGRASS SEED AT 1 LB. PER 1000 SQ. FT. AND ANNUAL RYEGRASS AT 1 LB. PER 1000 SQ. FT.
    d) MULCH STOCKPILE WITH STRAW OR HAY AT A RATE OF 90 LBS. PER 1000 SQ. FT.
    e) APPLY A LIQUID MULCH BINDER OR TACK TO STRAW OR HAY MULCH.

23. PERMANENT STABILIZATION SPECIFICATIONS
    a) APPLY TOPSOIL TO A DEPTH OF 5 INCHES (UNSETTLED).
    b) APPLY GROUND LIMESTONE AT A RATE OF 90 LBS PER 1000 SQ. FT. AND WORK FOUR INCHES INTO SOIL.
    c) APPLY FERTILIZER (10–20–10) AT A OF RATE 11 LBS. PER 1000 SQ. FT.
    d) APPLY HARD FESCUE SEED AT 2.7 LBS. PER 1000 SQ. FT. AND CREEPING RED FESCUE SEED AT 0.7 LBS PER 1000 SQ. FT. AND PERENNIAL RYEGRASS SEED AT 0.25 LBS PER 1000 SQ. FT.
    e) MULCH STOCKPILE WITH STRAW OR HAY AT A RATE OF 90 LBS. PER 1000 SQ. FT.
    f) APPLY A LIQUID MULCH BINDER OR TACK TO STRAW OR HAY MULCH.

*NOTE: 72 HOURS PRIOR TO ANY SOIL DISTURBANCE, NOTICE IN WRITING, SHALL BE GIVEN TO THE MORRIS COUNTY SOIL CONSERVATION DISTRICT AND A PRE–CONSTRUCTION MEETING HELD.



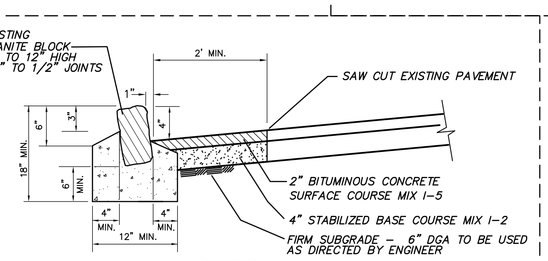
OUTLET	L	W	DEPTH	d50	th
END	4.5'	4'	6"	6"	12" (w/filter fabric)

PRE–FORMED SCOUR HOLE : BMP OVERFLOW

NOT TO SCALE

FOR CALCULATIONS, SEE 'STORMWATER MANAGEMENT REPORT' FOR THIS PROJECT.

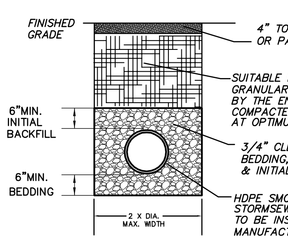
NOTE: RIPRAP & FILTER FABRIC SHALL CONFORM TO THE STANDARD FOR RIPRAP IN THE "STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY"



SECTION

PAVEMENT SAWCUT DETAIL

NOT TO SCALE



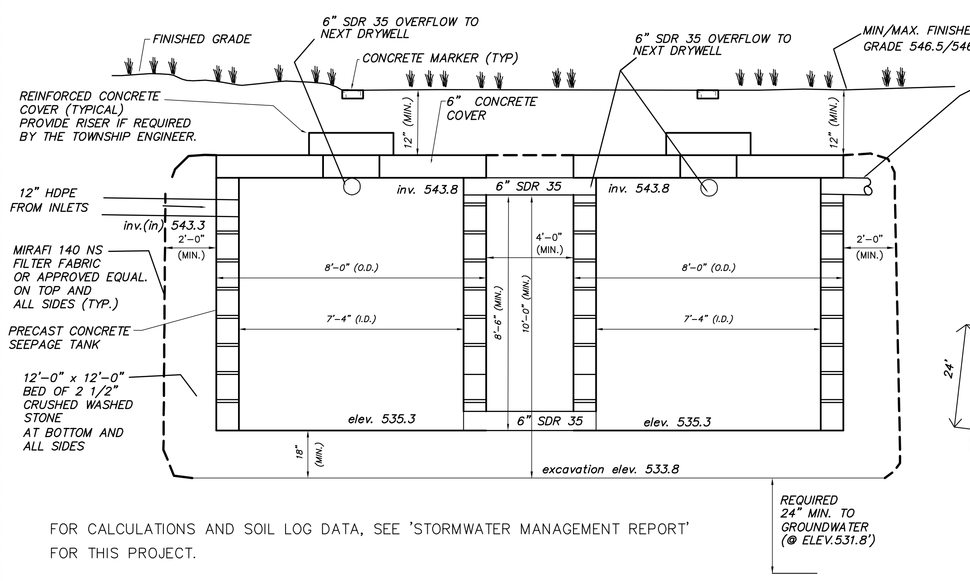
NOTE: ALL HDPE STORMSEWER PIPE SHALL HAVE SMOOTH INTERIOR LINING.

HDPE STORMWATER PIPE TRENCH DETAIL

NOT TO SCALE

PROPOSED STORMWATER BMP MEASURE: SMALL–SCALE SUBSURFACE INFILTRATION SYSTEM DETAIL

NOT TO SCALE

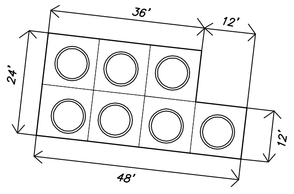


FOR CALCULATIONS AND SOIL LOG DATA, SEE 'STORMWATER MANAGEMENT REPORT' FOR THIS PROJECT.

PER SOIL LOG #1 DATA, NO EVIDENCE OF MOTTLES OR GROUNDWATER TO 216" BELOW GRADE (ie. 546.0'el. – 216" = 528.0'el.) so OK

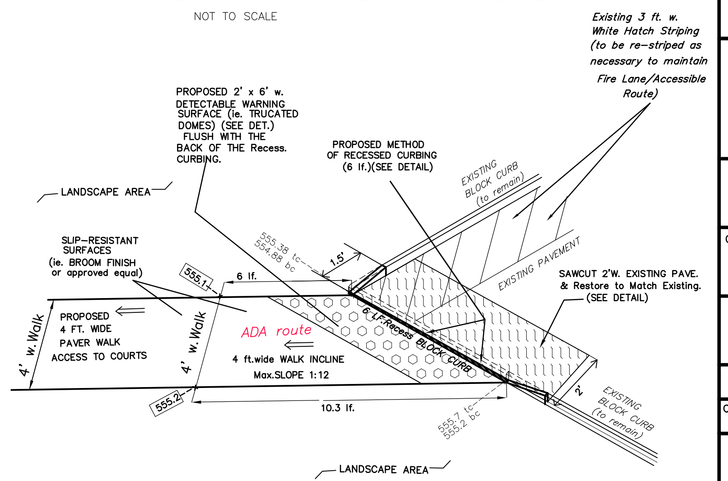
PLAN VIEW

NOT TO SCALE



ADA ACCESS DETAIL BARRIER–FREE CURB AND WALK INCLINE DETAIL

NOT TO SCALE



YANNACCONE, VILLA & ALDRICH, LLC
Civil Engineers & Land Surveyors
460 MAIN STREET, P.O. BOX 459
CHESTER, NEW JERSEY 07930
PHONE: 908–879–6646
FAX: 908–879–8591
N.J. STATE BOARD OF P.E. & L.S. CERTIFICATE OF AUTHORIZATION No. 24GA27934000

GREGORY E. YANNACCONE, PE
N.J. PROFESSIONAL ENGINEER
NO. 39904 DATE 8/1/23

NOT VALID WITHOUT SIGNATURE AND RAISED SEAL

NO.	DATE	REVISION
1	8/1/23	UPDATE FOR PLAN.BD.SUBMIT.

PROJECT TITLE :
MENDHAM GOLF & TENNIS CLUB
PRELIMINARY & FINAL MAJOR SITE PLANS
PICKLEBALL COURTS PROJECT
BLOCK 14.4, LOT 24
TAX MAP SHEETS 29 & 30
KENNEDAY ROAD, GOLF & COREY LANES
TOWNSHIP OF MENDHAM
MORRIS COUNTY, NEW JERSEY

SHEET TITLE :
SOIL EROSION, SEDIMENT CONTROL & CONSTRUCTION DETAILS

DRAWN BY:	DATE:
GEY/CJD	AUGUST 29, 2022
CHECKED BY:	SCALE:
GEY	AS SHOWN

W.O. 208056
F.B. ––––––––
FILE:
COMP FILE: M:\SEPTIC\208056\DWG\208056–PICKLEBALLSITEPLAN–REV1.DWG