

LOCATION MAP
1:2000

TEMPORARY BYPASS CONSTRUCTION SEQUENCE:

UPON RECEIPT OF ALL PERMITS AND NOTICE TO PROCEED, THE CONTRACTOR SHALL FIRST INSTALL ALL EROSION AND SEDIMENT CONTROLS SHOWN ON THE SEDIMENT AND EROSION CONTROL PLAN.

1. DEWATERING PRACTICES SHALL BE INSTALLED AND THE STREAM SHALL BE DIVERTED TO ALLOW A DRY CONSTRUCTION AREA. DRY WEATHER ESTIMATED FLOW APPROXIMATE 1,500-2,000 GPM.
2. TEMPORARY BYPASS CULVERTS ARE TO BE INSTALLED FOR STREAM SURGE PROTECTION. THE DEWATERING DEVICES SHALL BE RELOCATED, AS NECESSARY, AND THEN THE GRADING CAN COMMENCE.
3. AFTER GRADING AND STREAM BANK SLOPE PROTECTION INSTALLED, TEMPORARY BYPASS CULVERT SHALL BE REMOVED.

STREAM DIVERSION NOTES

CONTRACTOR MAY SUBMIT AN ALTERNATE PROPOSAL FOR STREAM DIVERSION TO THE ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION. IT IS THE CONTRACTORS RESPONSIBILITY TO MAINTAIN THE STREAM DIVERSION STRUCTURE THROUGHOUT THIS PROJECT.

ANY DAMAGE TO THE STREAM OR SURROUNDING PROPERTIES RESULTING FROM THE CONTRACTOR'S NEGLIGENCE IN MAINTAINING THE STREAM DIVERSION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, AND SHALL BE IMMEDIATELY REPAIRED AT HIS / HER SOLE EXPENSE.

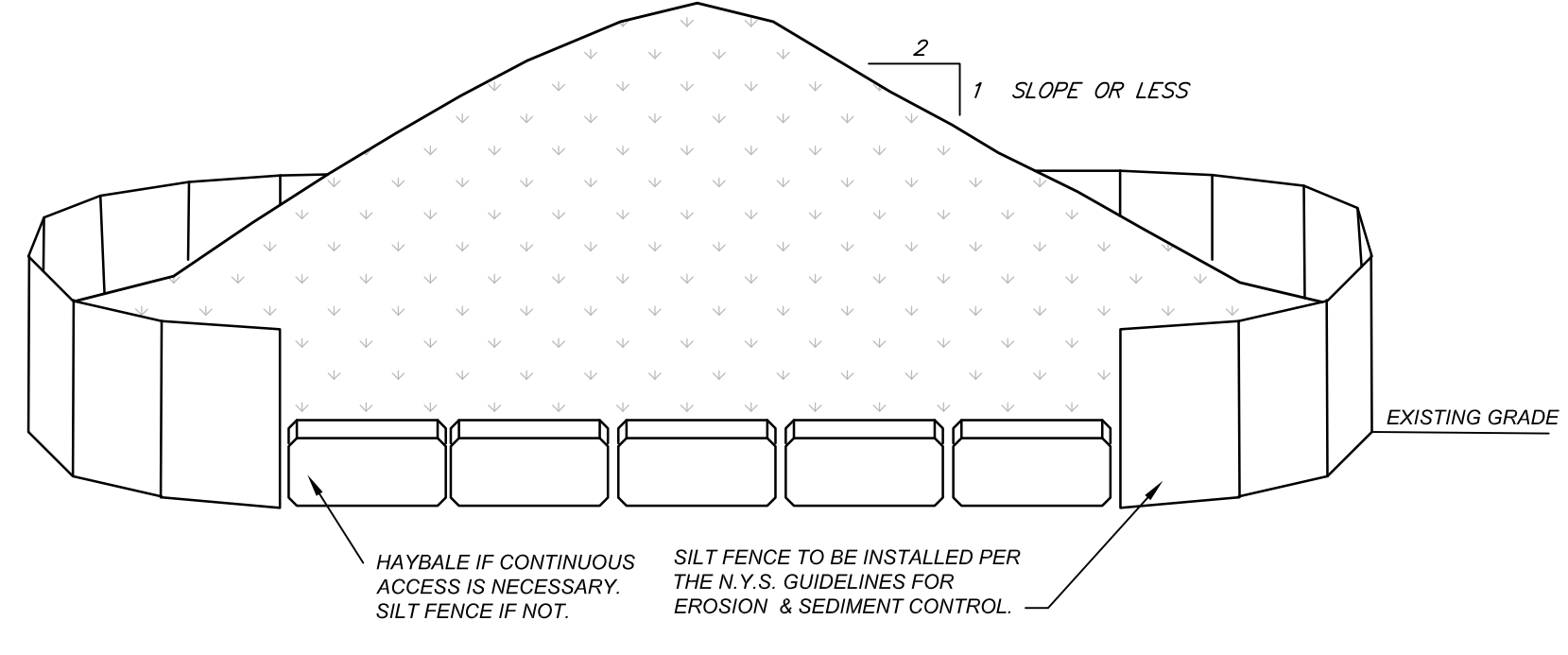
THE CONTRACTOR SHALL EMPLOY ANY ADDITIONAL WATER CONTROL METHODS, SUCH AS PUMPS, TO MAINTAIN THE INTENT OF THE STREAM DIVERSION DURING THE REMOVAL OF ROCK MATERIAL. THE STREAMBED WITHIN THE WORK AREA MUST BE KEPT DEWATERED. ANY ADDITIONAL DEWATERING DEVICES WILL BE EMPLOYED AT THE CONTRACTOR'S SOLE EXPENSE.

THE CONTRACTOR IS RESPONSIBLE FOR RESTORATION OF STREAMBED AND STREAMBANKS DISTURBED DURING CONSTRUCTION.

THE CONTRACTOR SHALL MAINTAIN THE STREAM DIVERSION AND DEWATERING SO THAT THE WATER EXITING THE PROJECT AREA REMAINS AS CLEAN AS THE WATER ENTERING THE PROJECT AREA.

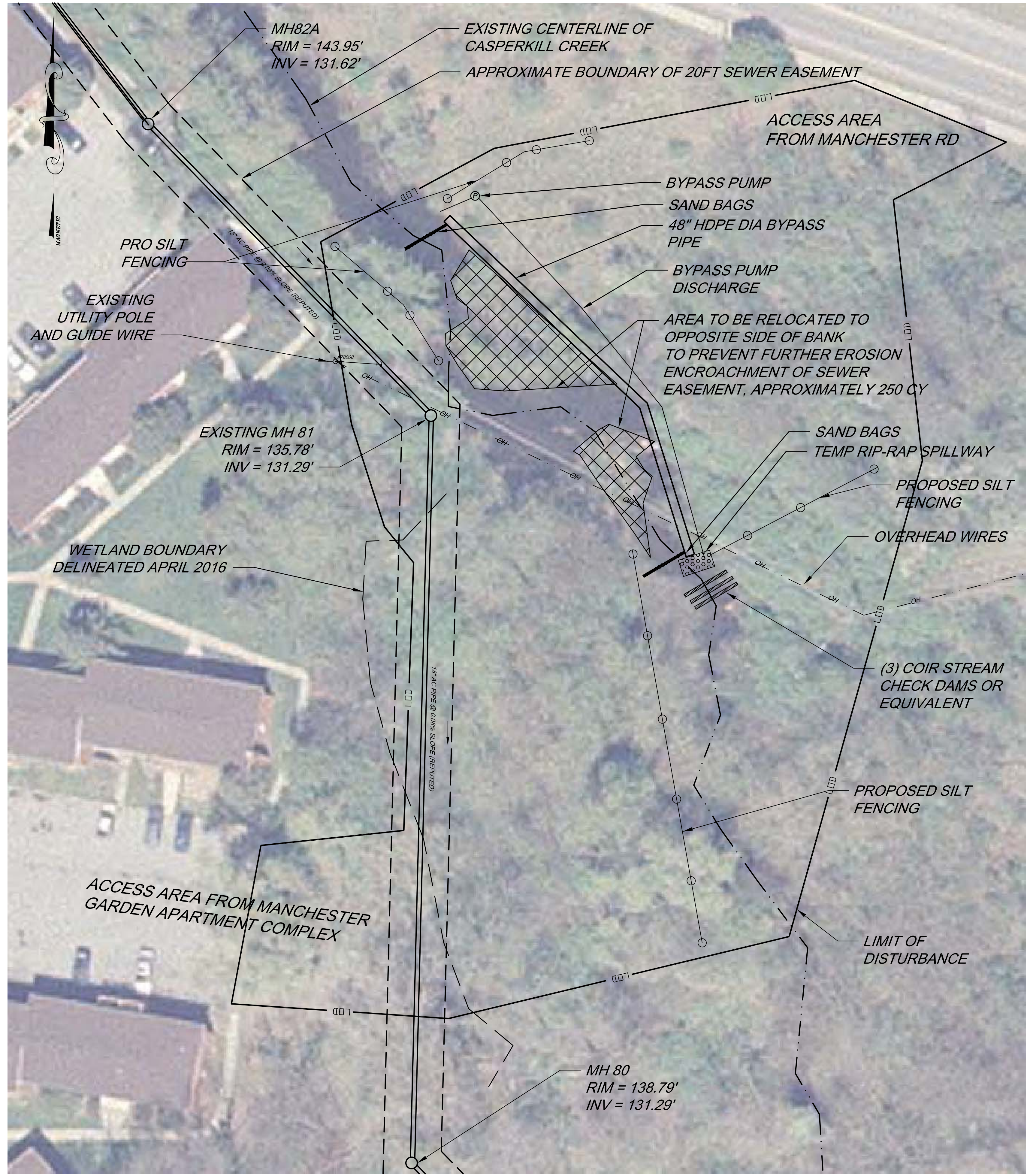
SOIL EROSION AND SEDIMENT CONTROL NOTES:

1. ALL SOIL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL. (REFERRED TO IN REMAINING TEXT AS "THE NEW YORK STANDARDS")
2. ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED MORE THAN SEVEN (7) DAYS, AND ARE NOT SUBJECT TO CONSTRUCTION TRAFFIC, SHALL IMMEDIATELY RECEIVE A TEMPORARY SEEDING. IF THE SEASON PREVENTS THE ESTABLISHMENT OF A TEMPORARY COVER, THE DISTURBED AREAS SHALL BE MULCHED WITH STRAW OR EQUIVALENT MATERIAL. THE SEEDING SHALL BE DONE IN ACCORDANCE WITH THE NEW YORK STANDARDS.
 - A) FERTILIZER: THE FERTILIZER SHALL BE APPLIED AT A RATE OF FOURTEEN (14) POUNDS PER ONE THOUSAND SQUARE FEET, USING N-P-K OF 10-5-4 OR EQUAL.
 - B) SEED: SEE SEED MIXTURE NOTES FOR REQUIRED RATE AND SEED MIX
 - C) MULCH: SALT-HAY OR SMALL GRAIN STRAW APPLIED AT A RATE OF NINETY (90) POUNDS PER ONE THOUSAND SQUARE FT. OR TWO (2) TONS PER ACRE, TO BE APPLIED AND ANCHORED ACCORDING TO THE NEW YORK STANDARDS.
 - D) THE ONLY AREAS REQUIRED TO BE GRADED STEEPER THAN THREE ON ONE (H:V) ARE THE STREAM BANKS. THESE AREAS REQUIRE RIP RAP SLOPE PROTECTION CONSISTING OF 12" OF MEDIUM STONE FILL ON TOP OF MIRAFI 140 NON-WOVEN GEOTEXTILE OR EQUIVALENT MATERIAL, PLACED AS SHOWN ON THE PLANS AND ANCHORED ACCORDING TO THE NEW YORK STANDARDS.
3. ANY GRADED AREAS NOT SUBJECT TO FURTHER DISTURBANCE OR CONSTRUCTION TRAFFIC SHALL, WITHIN SEVEN (7) DAYS AFTER FINAL GRADING, RECEIVE PERMANENT VEGETATIVE COVER IN COMBINATION WITH A SUITABLE MULCH AS FOLLOWS:
 - A) FERTILIZER: FERTILIZER APPLIED AT A RATE OF TWENTY (20) POUNDS PER ONE THOUSAND SQUARE FEET USING N-P-K OF 10-5-4 OR EQUAL.
 - B) SEED MIXTURE: TO BE PLANTED BETWEEN APRIL 1ST AND MAY 15TH OR BETWEEN AUGUST 15TH AND OCTOBER 15TH. SEE SEED MIXTURE NOTES FOR REQUIRED BROADCAST RATE AND SEED MIX
 - C) MULCH: SALT-HAY OR SMALL GRAIN STRAW APPLIED AT A RATE OF NINETY (90) POUNDS PER ONE THOUSAND SQUARE FEET OR TWO (2) TONS PER ACRE TO BE APPLIED AND ANCHORED ACCORDING TO THE NEW YORK STANDARDS.
4. SLOPES STEEPER THAN THREE ON ONE (H:V) SHALL BE STABILIZED IMMEDIATELY AFTER GRADING. (SEE NOTE 2-D, ABOVE.)
5. PAVED ROADWAYS SHALL BE KEPT CLEAN AT ALL TIMES.
6. THE SITE SHALL AT ALL TIMES BE GRADED AND MAINTAINED SUCH THAT ALL STORM WATER RUNOFF IS DIVERTED TO SOIL EROSION OR SEDIMENT CONTROL FACILITIES. EXCEPT FOR MINOR PERIMETER EMBANKMENT AREAS, ALL GRADED AREAS SHALL BE DIRECTED THROUGH ONE OF THE SEDIMENT BARRIERS. DIVERSION SWALES MAY BE USED TO DIRECT DRAINAGE RUNOFF UNTIL THE REPLACEMENT PIPING IS IN.
7. DUST SHALL BE CONTROLLED BY SPRINKLING OR OTHER APPROVED METHODS.
8. SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED AND MAINTAINED BY THE CONTRACTOR ON A DAILY BASIS TO ENSURE THAT TEMPORARY AND PERMANENT DITCHES, PIPES AND STRUCTURES ARE CLEAR OF DEBRIS, THAT EMBANKMENTS AND BERMS ARE NOT BREACHED, AND THAT ALL BARRIERS ARE INTACT.
9. ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL FINAL ACCEPTANCE OF THE SITE WORK BY THE OWNER. UPON CERTIFICATION OF FINAL ACCEPTANCE, THE OWNER WILL ASSUME RESPONSIBILITY FOR THE CONTINUED MAINTENANCE OF PERMANENT SOIL EROSION AND SEDIMENTATION CONTROL MEASURES.
10. THE CONTRACTOR SHALL BE RESPONSIBLE TO PATROL THE WORK AREA DAILY IN ORDER TO COLLECT AND REMOVE ALL LITTER AND CONSTRUCTION DEBRIS WHICH MAY BECOME A POLLUTANT SOURCE.
11. CONSTRUCTION CHEMICALS (IF ANY) SHALL BE PLACED IN APPROVED SEALED STORAGE CONTAINERS WITHIN THE STAGING AREA AT THE END OF EACH WORK DAY. WHEN THE CONSTRUCTION CHEMICAL IS NO LONGER NEEDED FOR THE PROJECT, IT SHALL BE REMOVED FROM THE SITE.



SOIL STOCKPILE STABILIZATION DETAIL

- NOTES:** N.T.S.
1. AREA CHOSEN FOR STOCKPILING SHALL BE DRY AND STABLE.
 2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 2:1.
 3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH EITHER SILT FENCING OR HAY BALES AND STABILIZED SEED AND MULCH OR JUTE MESH.
 4. SEE SPECIFICATIONS FOR INSTALLATION OF SILT FENCE AND HAY BALES.
 5. SIZE OF STOCKPILE SHALL NOT EXCEED THE LIMITATIONS OF DRAINAGE AREA PER SILT FENCE SPECIFICATIONS.
 6. INSTALL SILT FENCE AND OR HAY BALES A MINIMUM OF 10' FROM THE TOE OF THE STOCKPILE.

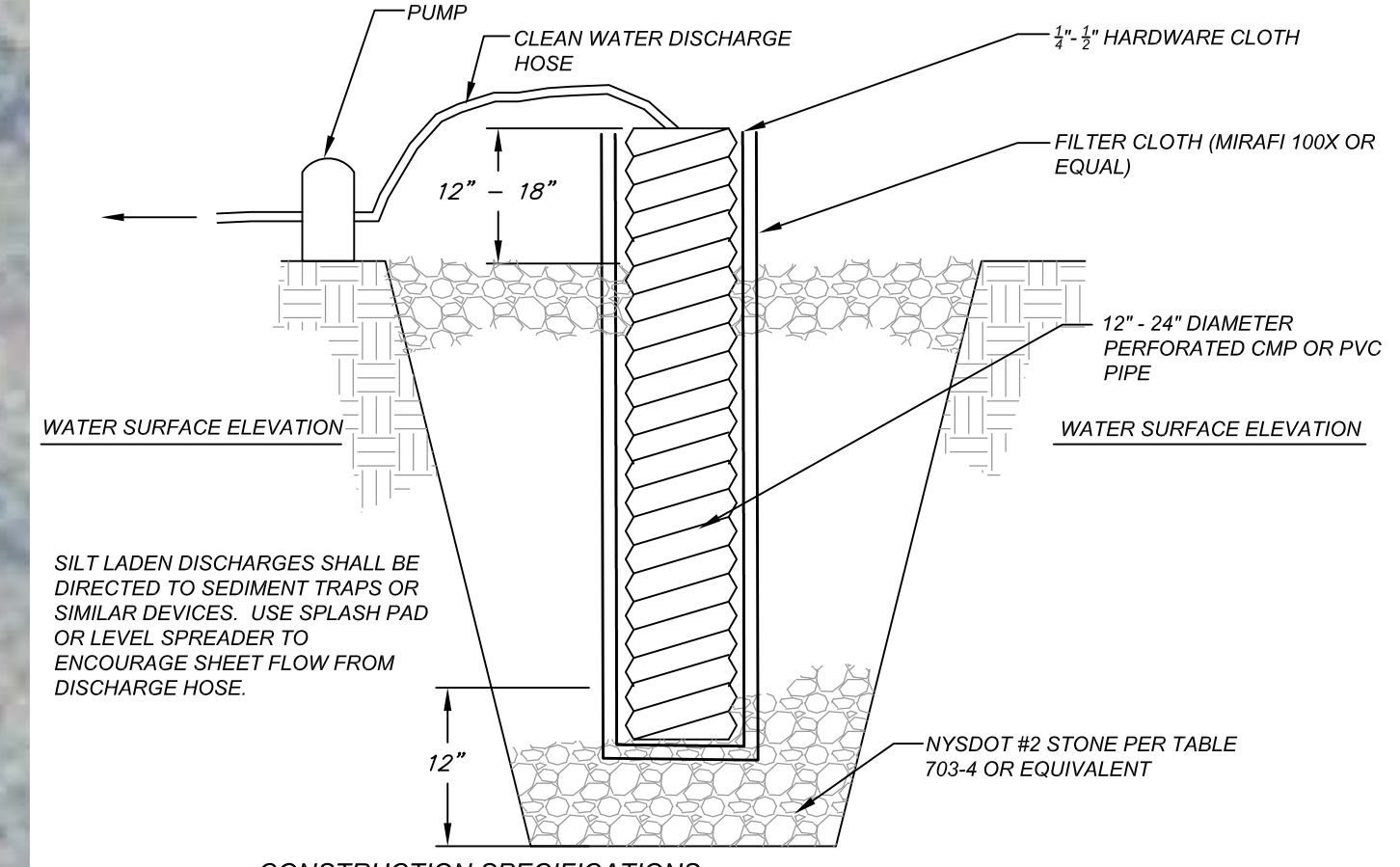


EXISTING CONDITIONS AND EROSION CONTROL PLAN

LEGEND

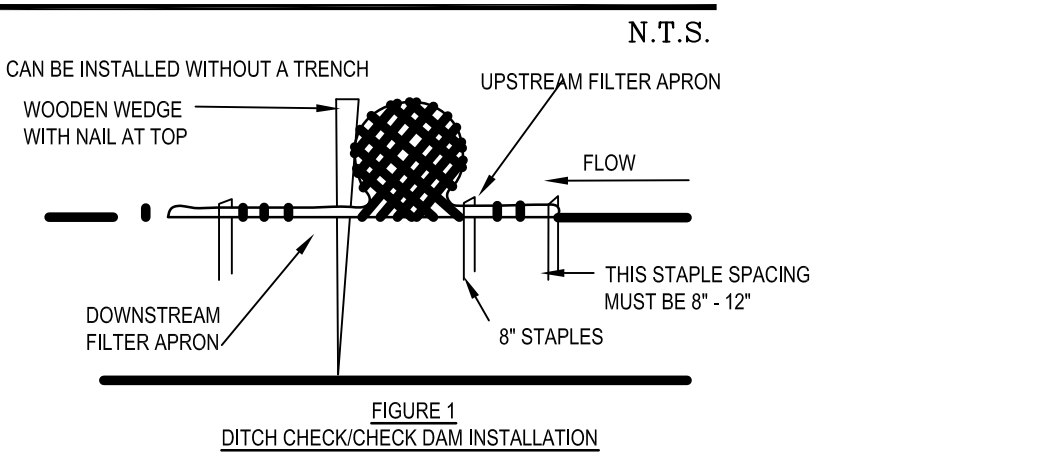
- WETLAND BOUNDARY
- - - OVERHEAD WIRES
- CHECK DAMS / COIR DAMS
- SAND BAGS
- SILT FENCE
- LIMIT OF DISTURBANCE
- UTILITY POLE
- GUY
- PROPOSED RIP RAP SLOPE STABILIZATION

- CONSTRUCTION NOTES**
1. WETLAND DELINEATION OCCURRED IN APRIL 2016 BY KAROL KNAPP. TOWN OF POUGHKEEPSIE HOLDS ACOE AND NYSDEC WETLAND PERMITS FOR STREAM ROUTING. ANY ADDITIONAL PERMITTING NEEDED WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
 2. ALL EROSION CONTROLS MUST BE IN PLACE PRIOR TO ANY EXCAVATION.
 3. ACCESS TO THE SITE IS AVAILABLE FROM MANCHESTER RD DOT ROW AND MANCHESTER GARDEN APARTMENT COMPLEX.
 4. NATIVE MATERIAL EXISTING IN STREAMBED SHALL BE USED FOR GRADING STREAM ROUTING. IF ADDITIONAL FILL IS NEEDED, MATERIAL MUST BE APPROVED BY ENGINEER.
 5. ALL AREAS OF DISTURBANCE MUST BE SEEDED AND STABILIZED WITH RYE, BLUEGRASS AND FESCUE MIX PER SPECIFICATIONS.



- CONSTRUCTION SPECIFICATIONS**
1. THE STANDPIPE SHALL BE CONSTRUCTED WITH A 12"-24" DIAMETER PERFORATED CMP OR PVC PIPE.
 2. A BASE OF 2" AGGREGATE SHALL BE PLACED IN THE PIT TO A DEPTH OF 12 INCHES. AFTER INSTALLING THE STANDPIPE, THE PIT SURROUNDING THE STANDPIPE SHALL BE BACKFILLED WITH 2" AGGREGATE.
 3. THE STANDPIPE SHALL EXTEND 12"-18" ABOVE THE LIP OF THE PIT.
 4. THE STANDPIPE SHALL BE WRAPPED WITH FILTER CLOTH BEFORE INSTALLATION. 1"-1" HARDWARE CLOTH SHALL BE PLACED AROUND THE STANDPIPE PRIOR TO ATTACHING THE FILTER CLOTH.
 5. NORMAL DRY STREAM CONDITIONS ANTICIPATE TO BE BETWEEN 1,500-2,000 GPM.

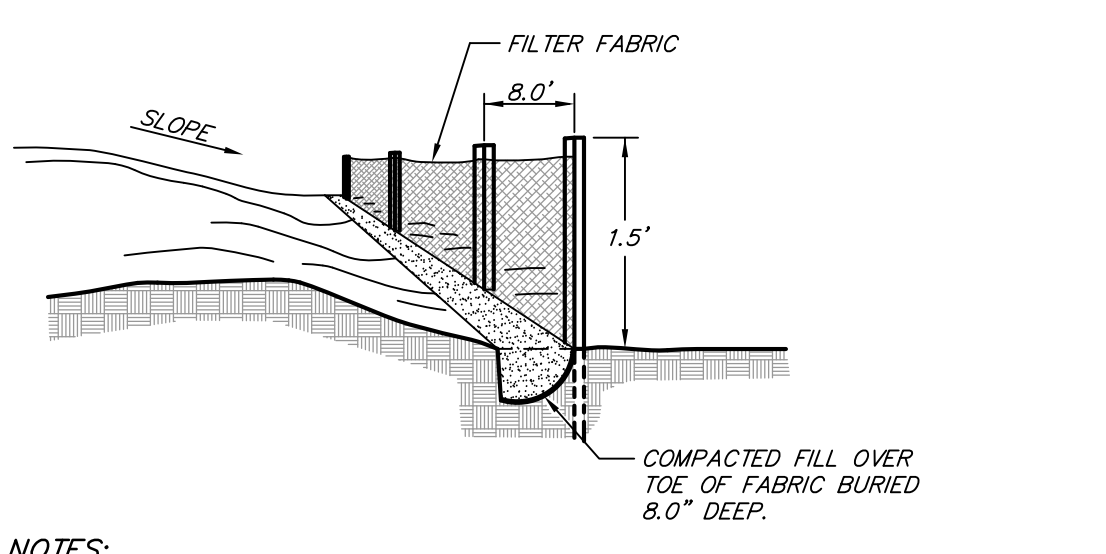
DIVERSION SUMP DETAIL



- NOTES:** N.T.S.
1. CHECK DAM / DITCH CHECK IN CHANNELS
 2. PLACE THE SILT CHECK IN THE CHANNEL PERPENDICULAR TO THE FLOW AT 15 TO 20 FT SPACING. ANCHOR THE UPSTREAM FILTER APRON USING 8 IN LONG METAL STAPLES PLACING AT 8 TO 12 IN SPACING. ANCHOR THE FILTER BODY OF THE SILT CHECK WITH WOODEN WEDGES WITH A NAIL ON THE TOP. PLACE WOODEN WEDGES AT 3 FT SPACING. ALSO ANCHOR THE DOWNSTREAM APRON AT 12 IN SPACING USING 8 IN METAL STAPLES (FIGURE 1).

COIR SILT CHECK DAM DETAIL

- NOTES:** N.T.S.
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.



- NOTES:**
1. LOCATE POSTS DOWNSIDE OF FABRIC TO HELP SUPPORT FENCING.
 2. BURY TOE OF FENCE APPROXIMATELY 8" DEEP TO PREVENT UNDERCUTTING.
 3. WHEN JOINTS ARE NECESSARY, SECURELY FASTEN THE FABRIC AT A SUPPORT POST WITH OVERLAP TO THE NEXT POST.

TYPICAL SILT FENCE DETAIL

REV. No.	DESCRIPTION	DATE	BY
MANCHESTER GARDENS			
TOWN OF POUGHKEEPSIE		DUTCHESS COUNTY, NY	
EXISTING CONDITIONS & EROSION CONTROL PLAN			
MORRIS ASSOCIATES P.L.L.C.			
9 Elks Lane Poughkeepsie, New York 12601 Phone No. (845) 454-3411 Fax No. (845) 473-1982		64 Green Street Hudson, New York 12534 Phone No. (518) 828-2300 Fax No. (518) 828-3363	
DATE	SCALE	DRAWN BY	FILE No.
8/21/2017	1" = 20'	SFC	40161.20
		CHECKED BY: MA	DRAWING No.
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