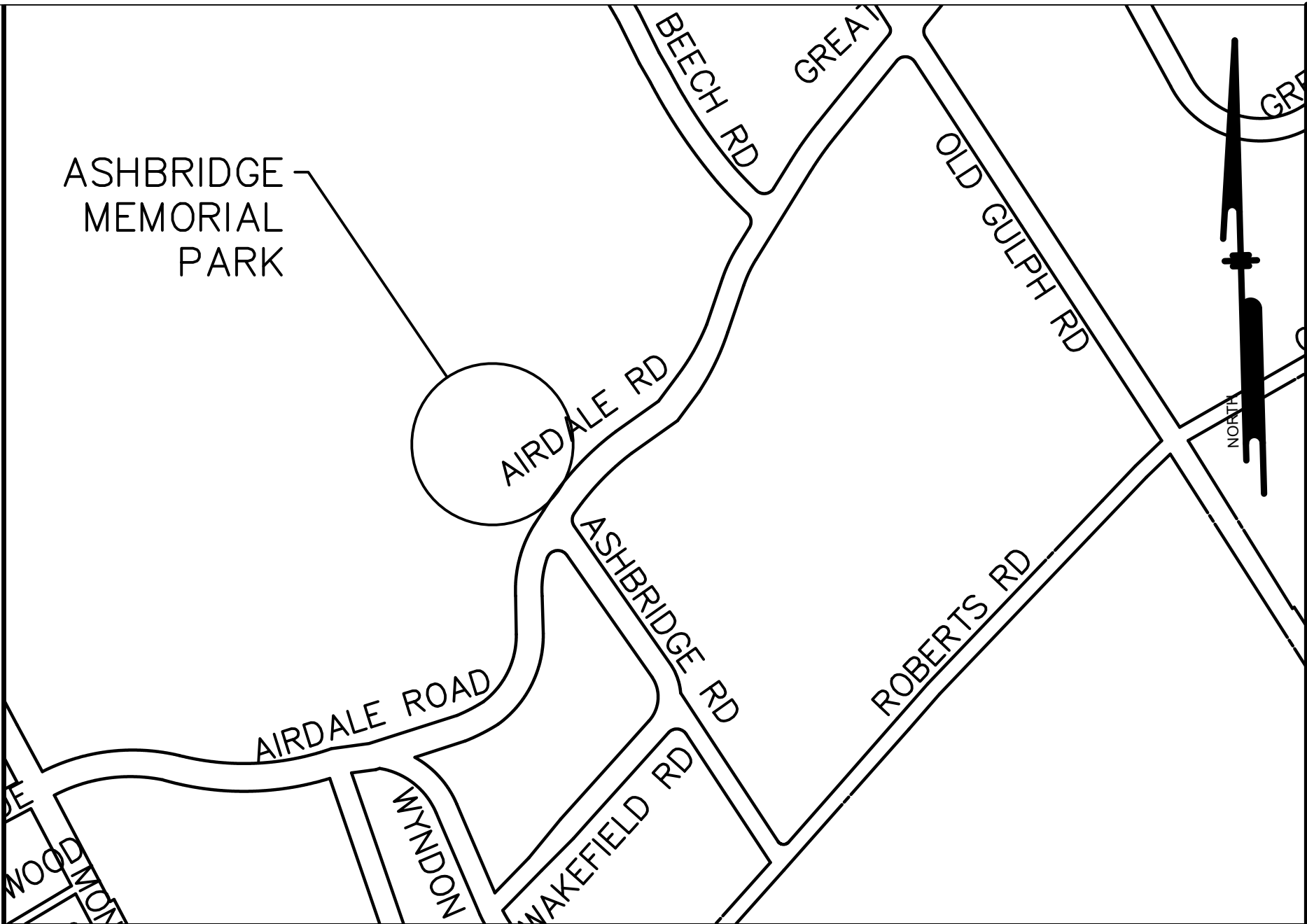


ASHBRIDGE MEMORIAL PARK STREAM RESTORATION AND BANK STABILIZATION

1301 MONTGOMERY AVENUE
BRYN MAWR, PA 19010

JANUARY 2024

TOWNSHIP OF LOWER MERION
MONTGOMERY COUNTY, PENNSYLVANIA
75 EAST LANCASTER AVENUE
ARDMORE 19003



LOCATION MAP
SCALE: 1" = 300'



CALL BEFORE YOU DIG
BEFORE YOU DIG ANYWHERE IN PENNSYLVANIA
CALL 1-800-242-1776
PA. ACT 287 OF 1974 REQUIRES THREE WORKING DAYS
NOTICE TO UTILITIES BEFORE YOU EXCAVATE, DRILL OR
BLAST PENNSYLVANIA ONE-CALL SYSTEM, INC.

UTILITY USERS LIST

ACT 187 PA. ONE CALL SYSTEM
SERIAL NUMBER: 20230032614
ALL DESIGNERS AND CONTRACTORS UTILIZING THIS PLAN AND THE INFORMATION CONTAINED
THEREON ARE CAUTIONED TO COMPLY WITH THE REQUIREMENTS OF PENNSYLVANIA ACT 187,
ENTITLED "UNDERGROUND UTILITY LINE PROTECTION."

TOWNSHIP OF LOWER MERION 75 E. LANCASTER AVENUE ARDMORE, PA 19003	PHONE #: 610-649-4000
COMCAST CABLEVISION OF LOWER MERION INC 205 E. LEVERING MILL RD BALA CYNWYD, PA 19004	PHONE #: 610-667-8880
AQUA PENNSYLVANIA INC 762 LANCASTER AVE. BRYN MAWR, PA 19010-3489	PHONE #: 610-525-1400
PECO ENERGY 3628 HORIZON DRIVE KING OF PRUSSIA, PA 19406	PHONE #: 610-292-8057
VERIZON PENNSYLVANIA INC 900 RACE STREET, 6th FLOOR PHILADELPHIA, PA 19107	PHONE #: 610-280-5585

Sheet List Table		
SHEET	DRAWING NO.	SHEET TITLE
1	CS-0001	COVER SHEET
2	CS-0100	INDEX
3	CS-0201	EXISTING CONDITIONS PLAN
4	CS-0501	DEMOLITION & EROSION AND SEDIMENT CONTROL PLAN
5	CS-1001	SITE IMPORVEMENT PLAN
6	CS-2001	LANDSCAPE PLAN
7	CS-2002	LANDSCAPE NOTES
8	CS-6001	CONSTRUCTION DETAILS - 1
9	CS-6002	CONSTRUCTION DETAILS - 2
10	CS-6003	EROSION & SEDIMENT CONTROL DETAILS

SITE PREPARATION AND REMOVAL NOTES

1. A FIELD SURVEY OF THE WORK AREA WAS PERFORMED BY PENNONI ASSOCIATES IN AUGUST 2022 AND REVISED FEBRUARY 2023. ADDITIONAL INFORMATION SHOWN IS TAKEN FROM LOWER MERION GEOGRAPHIC INFORMATION SYSTEM (GIS) PLANS. SITE VERTICAL DATUM IS BASED ON LOWER MERION TOWNSHIP VERTICAL DATUM.
2. CONTRACTOR IS RESPONSIBLE FOR LAYOUT OF PROPOSED IMPROVEMENTS. THE ENGINEER MUST BE NOTIFIED OF ANY DISCREPANCIES BETWEEN FIELD CONDITIONS AND THIS PLAN WHICH MAY AFFECT THE LAYOUT OF THE PROPOSED IMPROVEMENTS PRIOR TO CONSTRUCTION. THE ENGINEER WILL PROVIDE DIRECTION TO RESOLVE CONFLICTS.
3. NO WORK OR ACTIVITIES SHALL BE PERFORMED BEYOND THE LIMIT OF WORK LINE.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR SAFETY AND PROTECTION OF WORK AREA DURING CONSTRUCTION. WORK AREA MUST BE SECURELY FENCED AT THE END OF EACH WORK DAY.
5. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL FIELD LOCATE AND RECORD EXISTING PAVING, SIDEWALK, CURB, UTILITIES OR OTHER ITEMS IN AND AROUND THE WORK AREA INCLUDING ANY EXISTING DAMAGE. ENGINEER MUST VERIFY LOCATION AND EXTENT OF DAMAGE.
6. CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL EXISTING ITEMS WITHIN THE WORK AREA NOTED FOR REMOVAL, INCLUDING EXCESS SOIL. AFTER REMOVALS, CONTRACTOR IS RESPONSIBLE FOR BACKFILL, COMPACTION, AND RESTORATION OF DISTURBED AREAS.
7. CONTRACTOR SHALL PROTECT ALL BUILDINGS, UTILITIES, FACADES, ENTRANCE PADS, FENCING, SIGNAGE, PLANT MATERIAL, AND OTHER ITEMS TO REMAIN FROM DAMAGE DURING CONSTRUCTION. THE CONTRACTOR SHALL REPLACE AND/OR RESTORE DAMAGED OR DISTURBED AREAS AS A RESULT OF HIS NEGLIGENCE AT NO ADDITIONAL COST TO THE OWNER TO THE OWNER'S SATISFACTION.
8. ALL DEBRIS SHALL BE REMOVED FROM THE SITE AND LEGALLY DISPOSED OF BY THE CONTRACTOR ON A DAILY BASIS.
9. ONLY DISTURB AS MUCH AREA AS CAN BE COMPLETED THE SAME DAY. ALL EXPOSED GRADED AREAS THAT CANNOT BE STABILIZED BY THE END OF THE WORK DAY OR BEFORE A STORM EVENT (WHICHEVER IS SOONER), SHALL HAVE TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES IN PLACE.

UTILITY NOTES

1. CONTRACTOR SHALL VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES ON SITE PRIOR TO COMMENCEMENT OF WORK.
2. ALL EXISTING UTILITIES WITHIN THE WORK AREA ARE TO REMAIN. LOCATE AND PROTECT FROM DAMAGE DURING CONSTRUCTION.
3. LOCATIONS OF ON AND OFF SITE UTILITIES AS SHOWN ARE APPROXIMATE AND MAY OR MAY NOT BE COMPLETE. THE NATURE AND EXACT LOCATION OF EXISTING UTILITIES SHOULD BE VERIFIED PRIOR TO INITIATING ANY ACTIVITY THAT MAY AFFECT THEIR USE OR LOCATION.
4. THE LOCATION OF THE EXISTING UNDERGROUND UTILITIES SHOWN ON THIS PLAN HAVE BEEN TAKEN FROM EXISTING UTILITY RECORDS AVAILABLE AT THE TIME THESE PLANS WERE PREPARED AND FROM SURFACE OBSERVATION OF THE SITE. COMPLETENESS OR ACCURACY OF LOCATION AND DEPTH OF UNDERGROUND UTILITIES AND STRUCTURES IS NOT GUARANTEED. CONTRACTOR IS CAUTIONED THAT OTHER UTILITIES NOT SHOWN MY EXIST WITHIN THE PROJECT LIMITS.

5. IN ACCORDANCE WITH PA ACT 287 OF 1974 AS AMENDED BY PA ACT 121 OF 2008 ENTITLED "UNDERGROUND UTILITY LINE PROTECTION LAW", THE CONTRACTOR SHALL NOTIFY ALL UTILITIES WITHIN THE WORK AREA VIA THE PENNSYLVANIA ONE CALL SYSTEM, INC. (800-242-1776) A MINIMUM OF 3 WORKING DAYS BEFORE THE START OF EXCAVATION

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND STRUCTURES AND UTILITIES, SUCH AS WATER, SEWER, TELEPHONE AND ELECTRIC CONDUITS, ETC. AND ABOVE GROUND UTILITIES, WHICH MAY BE ENCOUNTERED DURING CONSTRUCTION OPERATIONS. CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF ALL EXISTING UTILITIES.

TREE PROTECTION AND TRIMMING NOTES

1. ALL TREES ON SITE, EXCEPT THOSE NOTED TO BE REMOVED, ARE TO REMAIN AND BE PROTECTED. AVOID OPERATING HEAVY MACHINERY WITHIN DRIPLINE OF ALL TREES.
2. INSTALL TREE PROTECTION FENCE AROUND DRIPLINE OF ALL TREES WITHIN LIMIT OF WORK AREA. FENCE MAY SURROUND GROUPINGS OF TREES. FENCING SHOWN ON PLANS IS DIAGRAMMATIC AND MUST BE ADJUSTED TO MEET ACTUAL CONDITIONS.
3. INSTALL TREE PROTECTION FENCE (CONSTRUCTION FENCE) AROUND THE LIMIT OF WORK AREA AS INDICATED ON THE PLAN AND DETAIL.
4. TREE PROTECTION FENCE MUST BE APPROVED BY THE OWNER'S REPRESENTATIVE AND THE TOWNSHIP ARBORIST BEFORE CONSTRUCTION ACTIVITIES BEGIN. CONTRACTOR SHOULD ALLOW TIME FOR MINOR ADJUSTMENTS TO TREE PROTECTION FENCE LOCATIONS.
5. IN AREAS WHERE TREE PROTECTION FENCING CONFLICTS WITH PROPOSED WORK, REMOVE TREE PROTECTION FENCING FOR THE DAY TO PERFORM WORK, AND REPLACE AT END OF DAY.
6. IF TREE ROOTS ARE ENCOUNTERED DURING EXCAVATION, PROPER ROOT PRUNING MEASURES MUST BE FOLLOWED PER SPECIFICATIONS.
7. IF TREE BRANCHES ARE IN THE WAY OF CONSTRUCTION OPERATIONS, CONTRACTOR MUST DISCUSS AND GET APPROVAL FROM TOWNSHIP ARBORIST BEFORE PRUNING IS DONE.

TREE REMOVAL NOTES

1. AT START OF PROJECT, CONTRACTOR SHALL WALK PROJECT AREA WITH OWNER'S REPRESENTATIVE TO MARK ALL TREES TO BE REMOVED. REMOVAL SHALL INCLUDE GRINDING OF STUMPS TO 6" BELOW FINISHED GRADE WHERE REGRADING IS SHOWN. IF LIMITED SHALLOW OR NO REGRADING IS PROPOSED, THEN STUMP MAY REMAIN IF NOT IN CONFLICT WITH PROPOSED IMPROVEMENTS. EXACT TREES TO BE REMOVED MAY BE REVISED BY OWNER'S REPRESENTATIVE AS REQUIRED PER CONDITIONS AT TIME OF WORK.
2. LARGE CALIPER TREES DESIGNATED FOR REMOVAL SHALL BE CUT TO MAXIMUM 8' LONG LOGS AND BE SPREAD OUT AT DESIGNATED AREAS ONSITE BY THE TOWNSHIP.
3. CONTRACTOR SHALL COLLECT THE BRUSH AND PROPERLY DISPOSE OF IT. CONTRACTOR MAY DROP BRUSH OFF, AT NO COST, AT THE ROBERT J KOEGEL PUBLIC WORKS COMPLEX AT 1300 N WOODBINE AVENUE, PENN VALLEY, PA 19072. REFER TO THE TOWNSHIP WEBSITE FOR ADDITIONAL INFORMATION.

GRADING NOTES

1. CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION SURVEY AND LAYOUT OF PROPOSED ELEVATIONS.
2. BENCHMARKS ARE PROVIDED ON DRAWINGS. CONTRACTOR TO CROSS-CHECK AND VERIFY BENCHMARKS PRIOR TO CONSTRUCTION.
3. TOPSOIL MUST BE REMOVED AND STOCKPILED BEFORE ROUGH GRADING. EXCAVATED SUBGRADE SOIL MAY BE TEMPORARILY STOCKPILED SEPARATELY AND MUST BE REMOVED OFFSITE AND DISPOSED WITHIN 20 DAYS. AFTER ROUGH GRADING, TOPSOIL TO BE RESPREAD OVER GRADED AREAS.
4. CONTRACTOR IS RESPONSIBLE FOR GRADING PROPOSED GRADES INTO EXISTING GRADES WITH SMOOTH, EVEN TRANSITIONS, ROUNDING OUT ALL MOUNDS AND DEPRESSIONS.
5. COIR LOG PLACEMENT: ELEVATIONS SHOWN ARE TOP OF COIR LOG. COIR LOGS ARE TO BE SLOPED TO FOLLOW WATER ELEVATIONS. THESE ELEVATIONS MAY BE ADJUSTED IN THE FIELD IF NECESSARY TO MEET FLOW ELEVATIONS, AS DIRECTED BY OWNER'S REPRESENTATIVE. CONTRACTOR MUST ALERT OWNER'S REPRESENTATIVE OF COIR LOG ELEVATIONS NOT MATCHING WATER FLOW BEFORE PLACEMENT OF LOG.
6. BOULDER PLACEMENT: ELEVATIONS SHOWN ARE FOR THE TOP OF BOULDER. BOULDERS MUST BE PLACED LEVEL AND STEPPED AS SHOWN. NUMBER OF STACKED BOULDERS IS AS REQUIRED TO PROVIDE ONE FULL BOULDER (2' MIN) BELOW FINISHED GRADE. SEE BOULDER DETAIL FOR MORE INFORMATION.
7. AFTER AREAS ARE GRADED, INSTALL SEED, MULCH AND COIR MAT IMMEDIATELY.
8. CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND DISPOSAL OF EXCESS SOIL FROM SITE. THE QUANTITY FOR SOIL REMOVAL AND DISPOSAL IS A LUMP SUM ITEM IN THE BID. CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE QUANTITY OF SOIL TO BE REMOVED FROM THE SITE. FOR REFERENCE ONLY, THE ESTIMATED QUANTITY OF SOIL REMOVAL IS 1100 CY TO 1200 CY, AND DOES NOT ACCOUNT FOR SHRINK AND SWELL FACTORS.

EROSION AND SEDIMENT CONTROL MEASURE NOTES

1. ALL EARTH DISTURBANCES, INCLUDING CLEARING AND GRUBBING AS WELL AS CUTS AND FILLS SHALL BE DONE IN ACCORDANCE WITH THE E&S PLAN. A COPY OF THE DRAWINGS MUST BE AVAILABLE AT THE PROJECT SITE AT ALL TIMES. NOTIFY THE ENGINEER OF ANY CHANGES TO THE E&S PLAN PRIOR TO IMPLEMENTATION OF THOSE CHANGES.
2. AT LEAST 3 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, OR EXPANDING INTO AN AREA PREVIOUSLY UNMARKED, THE PENNSYLVANIA ONE CALL SYSTEM INC. SHALL BE NOTIFIED AT 1-800-242-1776 FOR THE LOCATION OF EXISTING UNDERGROUND UTILITIES.
3. ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE SEQUENCE PROVIDED. DEVIATION FROM THAT SEQUENCE MUST BE APPROVED BY THE OFFICE OF THE TOWNSHIP ENGINEER PRIOR TO IMPLEMENTATION.
4. PLASTIC BARRIER FENCE IS TO BE ERCTED AROUND ALL TREES IN WORK AREA LARGER THAN 2" DBH.
5. CLEARING, GRUBBING, AND TOPSOIL STRIPPING SHALL BE LIMITED TO THOSE AREAS DESCRIBED IN EACH STAGE OF THE CONSTRUCTION SEQUENCE. GENERAL SITE CLEARING, GRUBBING, AND TOPSOIL STRIPPING MAY NOT COMMENCE IN ANY STAGE OR PHASE OF THE PROJECT UNTIL THE E&S BMPS SPECIFIED BY THE BMP SEQUENCE FOR THAT STAGE OR PHASE HAVE BEEN INSTALLED AND ARE FUNCTIONING AS DESCRIBED IN THIS E&S PLAN.
6. AT NO TIME SHALL CONSTRUCTION VEHICLES BE ALLOWED TO ENTER AREAS OUTSIDE THE LIMIT OF DISTURBANCE BOUNDARIES SHOWN ON THE PLAN MAPS. THESE AREAS MUST BE CLEARLY MARKED AND FENCED OFF BEFORE CLEARING AND GRUBBING OPERATIONS BEGIN.
7. TOPSOIL REQUIRED FOR THE ESTABLISHMENT OF VEGETATION SHALL BE STOCKPILED AT THE LOCATION(S) SHOWN ON THE PLAN IN THE AMOUNT NECESSARY TO COMPLETE THE FINISH GRADING OF ALL EXPOSED AREAS THAT ARE TO BE STABILIZED BY VEGETATION. EACH STOCKPILE SHALL BE PROTECTED IN THE MANNER SHOWN ON THE PLAN DRAWINGS. STOCKPILE HEIGHTS SHALL NOT EXCEED 35 FEET. STOCKPILE SLOPES SHALL BE 2H:1V OR FLATTER.

8. IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION, THE OPERATOR SHALL IMPLEMENT APPROPRIATE BEST MANAGEMENT PRACTICES TO MINIMIZE THE POTENTIAL FOR EROSION AND SEDIMENT POLLUTION.
9. ALL DEMOLISHED / EXCAVATED MATERIALS AND WASTES SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN ACCORDANCE WITH THE PADEP SOLID WASTE MANAGEMENT REGULATIONS AT 25 PA CODE 280.1 ET SEQ., 271.1, AND 287.1 ET. SEQ. NO MATERIALS OR WASTES OR UNUSED MATERIALS SHALL BE BURNED, BURIED, DUMPED, OR DISCHARGED AT THE SITE.

10. ALL PUMPING OF WATER FROM ANY WORK AREA SHALL BE DONE ACCORDING TO PADEP STANDARD PROCEDURES, OVER UNDISTURBED VEGETATED AREAS.
11. THE FILTER BAG IN THE STREAM MUST BE REMOVED NIGHTLY. FILTER BAG IS TO BE PLACED WHERE WATER DISCHARGE FROM FILTER BAG WILL NOT CAUSE FURTHER EROSION.
12. UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT BMPS SHALL BE MAINTAINED PROPERLY. MAINTENANCE SHALL INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENT BMPS AFTER EACH RUNOFF EVENT AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REGRADING, RESEEDING, REMULCHING AND RENETTING MUST BE PERFORMED IMMEDIATELY. IF THE E&S BMPS FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMPS, OR MODIFICATIONS OF THOSE INSTALLED WILL BE REQUIRED.
13. A LOG SHOWING DATES THAT E&S BMPS WERE INSPECTED AS WELL AS ANY DEFICIENCIES FOUND AND THE DATE THEY WERE CORRECTED SHALL BE MAINTAINED ON THE SITE AND BE MADE AVAILABLE UPON REQUEST.
14. SEDIMENT TRACKED ONTO ANY DRIVEWAY AND PUBLIC ROADWAY SHALL BE RETURNED TO THE CONSTRUCTION SITE BY THE END OF EACH WORK DAY AND DISPOSED IN THE MANNER DESCRIBED IN THIS PLAN. IN NO CASE SHALL THE SEDIMENT BE WASHED, SHOVELED, OR SWEEP INTO ANY ROADSIDE DITCH, STORM SEWER, OR SURFACE WATER.
15. ALL SEDIMENT REMOVED FROM BMPS SHALL BE DISPOSED OF PROPERLY.
16. AREAS WHICH ARE TO BE TOPSOILED SHALL BE SCARIFIED TO A MINIMUM DEPTH OF 3 TO 5 INCHES -- 6 TO 12 INCHES ON COMPACTED SOILS -- PRIOR TO PLACEMENT OF TOPSOIL.

17. ALL GRADED AREAS SHALL BE PERMANENTLY STABILIZED IMMEDIATELY UPON REACHING FINISHED GRADE. SEED, PLANT, ETC. PER LANDSCAPE AND SITE PLANS.
18. IMMEDIATELY AFTER EARTH DISTURBANCE ACTIVITIES CEASE IN ANY AREA OR SUBAREA OF THE PROJECT, THE OPERATOR SHALL STABILIZE ALL DISTURBED AREAS. DURING NON-GERMINATING MONTHS, MULCH OR PROTECTIVE BLANKETING SHALL BE APPLIED AS DESCRIBED IN THE PLAN. AREAS NOT AT FINISHED GRADE, WHICH WILL BE REACTIVATED WITHIN 1 YEAR, MAY BE STABILIZED IN ACCORDANCE WITH THE TEMPORARY STABILIZATION SPECIFICATIONS. THOSE AREAS WHICH WILL NOT BE REACTIVATED WITHIN 1 YEAR SHALL BE STABILIZED IN ACCORDANCE WITH THE PERMANENT STABILIZATION SPECIFICATIONS.
19. PERMANENT STABILIZATION IS DEFINED AS A MINIMUM UNIFORM, PERENNIAL 70% VEGETATIVE COVER OR OTHER PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED EROSION. CUT AND FILL SLOPES SHALL BE CAPABLE OF RESISTING FAILURE DUE TO SLUMPING, SLIDING, OR OTHER MOVEMENTS.
20. E&S BMPS SHALL REMAIN FUNCTIONAL AS SUCH UNTIL ALL AREAS TRIBUTARY TO THEM ARE PERMANENTLY STABILIZED OR UNTIL THEY ARE REPLACED BY ANOTHER BMP APPROVED BY THE LOCAL CONSERVATION DISTRICT OR THE DEPARTMENT.
21. AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY EROSION AND SEDIMENT BMPS MUST BE REMOVED OR CONVERTED TO PERMANENT POST CONSTRUCTION STORMWATER MANAGEMENT BMPS. AREAS DISTURBED DURING REMOVAL OR CONVERSION OF THE BMPS SHALL BE STABILIZED IMMEDIATELY. IN ORDER TO ENSURE RAPID REVEGETATION OF DISTURBED AREAS, SUCH REMOVAL/CONVERSIONS ARE TO BE DONE ONLY DURING THE GERMINATING SEASON.

22. ALL CHANNELS SHALL BE KEPT FREE OF OBSTRUCTIONS INCLUDING BUT NOT LIMITED TO FILL, ROCKS, LEAVES, WOODY DEBRIS, ACCUMULATED SEDIMENT, EXCESS VEGETATION, AND CONSTRUCTION MATERIAL/WASTES.
23. UNDERGROUND UTILITIES CUTTING THROUGH ANY ACTIVE CHANNEL SHALL BE IMMEDIATELY BACKFILLED AND THE CHANNEL RESTORED TO ITS ORIGINAL CROSS-SECTION AND PROTECTIVE LINING. ANY BASE FLOW WITHIN THE CHANNEL SHALL BE CONVEYED PAST THE WORK AREA IN THE MANNER DESCRIBED IN THIS PLAN UNTIL SUCH RESTORATION IS COMPLETE.
24. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE CONTRACTOR SHALL CONTACT THE OFFICE OF THE TOWNSHIP ENGINEER FOR AN INSPECTION PRIOR TO THE REMOVAL/ CONVERSION OF THE E&S BMPS.
25. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE CONTRACTOR SHALL CONTACT THE OFFICE OF THE TOWNSHIP ENGINEER TO SCHEDULE A FINAL INSPECTION.

TEMPORARY AND PERMANENT STABILIZATION

1. HAY OR STRAW MULCH MUST BE APPLIED AT 3.0 TONS PER ACRE.
2. MULCH WITH MULCH CONTROL NETTING OR EROSION CONTROL BLANKETS MUST BE INSTALLED ON ALL SLOPES 3:1 OR STEEPER.
3. STRAW MULCH SHALL BE APPLIED IN LONG STRANDS, NOT CHOPPED OR FINELY BROKEN.
4. UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT BMPS MUST BE MAINTAINED PROPERLY. MAINTENANCE MUST INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENT CONTROL BMPS AFTER EACH RUNOFF EVENT AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REGARDING, RESEEDING, REMULCHING, AND RENETTING, MUST BE DONE IMMEDIATELY. IF EROSION AND SEDIMENT CONTROL BMPS FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMPS, OR MODIFICATIONS TO THOSE INSTALLED WILL BE REQUIRED. E&SPCPM P. 168

STREAM DIVERSION NOTES

1. PROPOSED STAGING AND LOCATION OF STREAM DIVERSION MEASURES ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR MAY PROVIDE AN ALTERNATE WORK PLAN WITH ADJUSTMENTS TO THE LOCATION, NUMBER OF STAGES, ETC FOR ENGINEER'S REVIEW AND APPROVAL PRIOR TO START OF WORK.
2. REFER TO DETAILS ON SHEET CS-6002.

PREPAREDNESS PREVENTION AND CONTINGENCY PLAN

1. THE ONLY POTENTIAL FOR AN ACCIDENTAL DISCHARGE OF CHEMICALS, OR OTHER HAZARDOUS MATERIALS ARE THOSE ASSOCIATED WITH THE OPERATION OF EARTH MOVING EQUIPMENT. EQUIPMENT MAY BE PARKED ON SITE OVERNIGHT AT AREAS WITHIN WORK AREA AND AT LEAST 20 FEET AWAY FROM ANY STREAM EDGE. IF THERE IS AN ACCIDENTAL DISCHARGE FROM EARTH MOVING EQUIPMENT THE CONTRACTOR IS RESPONSIBLE FOR DEPLOYING IMMEDIATE ACTION TO CONTAIN THE DISCHARGE. WHILE CONTAINING THE DISCHARGE THE CONTRACTOR WILL CONTACT A LICENSED AND BONDED FIRM TO CLEANUP AND MITIGATE DISCHARGE.
2. CONTRACTOR WILL HAVE ON SITE A CONTAINMENT KIT WITH AT LEAST A CONTAINMENT BOOM AND ABSORBENT AT A MINIMUM. THE EMERGENCY CONTACT PHONE NUMBERS ARE:

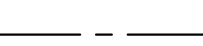
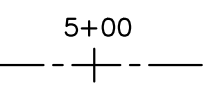
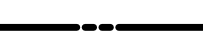
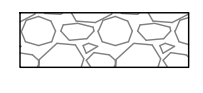
24 HOUR RESPONSE: (717) 705-4700

NATIONAL RESPONSE CENTER: (800) 424-8802

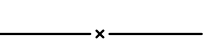
SEQUENCE OF CONSTRUCTION

1. CONSTRUCTION WILL BEGIN UPON RECEIPT OF ALL NECESSARY APPROVALS AND PERMITS FROM ALL APPLICABLE GOVERNMENTAL AGENCIES.
2. CONTRACTOR MUST CONTACT UNDERGROUND UTILITIES AS PER ACT 287 OF 1974 AS AMENDED BY ACT 187 OF 1996, NOT LESS THAN THREE DAYS, NOR MORE THAN 10 WORKING DAYS BEFORE COMMENCING WITH ANY EARTHWORK OR CONSTRUCTION.
3. CONDUCT A PRECONSTRUCTION MEETING WITH OFFICE OF TOWNSHIP ENGINEER, LOWER MERION TOWNSHIP, AND OTHER PARTIES INVITED BY TOWNSHIP, PRIOR TO ANY DISTURBANCE. THE PRECONSTRUCTION MEETING WILL BE HELD ONSITE TO REVIEW THE STAGING AREAS, SCHEDULE, FIELD CONFIRM LOCATION OF TEMPORARY STREAM ACCESS POINTS, FIELD CONFIRM TREES TO BE REMOVED, ETC. AT LEAST ONE EXISTING STREAM ACCESS POINT SHALL BE AVAILABLE FOR PUBLIC USE AT ALL TIMES. SUGGESTED STAGING FOR SUCH IS SHOWN AND CAN BE ADJUSTED BASED ON SEQUENCE OF WORK, ETC.
4. PRIOR TO PROCEEDING WITH CONSTRUCTION, CONFIRM LOCATION AND ELEVATION OF ALL EXISTING UTILITIES. MAINTAIN AND PROTECT EXISTING UTILITIES TO REMAIN.
5. CONTRACTOR TO LIMIT WORK AREA TO THAT AREA WHICH CAN BE STABILIZED IN ONE DAY.
6. EROSION AND SEDIMENTATION CONTROL MUST BE INSTALLED AND STABILIZED PRIOR TO ANY DISTURBANCE.
7. INSTALL TEMPORARY CONSTRUCTION ENTRANCE.
8. INSTALL TEMPORARY TREE PROTECTION AND ORANGE CONSTRUCTION FENCE. CONTRACTOR MUST MAINTAIN COMPLETE ENCLOSURE AROUND EACH ACTIVE WORK AREA. THE CONTRACTOR, AT THEIR DISCRETION, MAY FURTHER STAGE INTO SMALLER WORK AREAS, AND ADJUST THE FENCE ACCORDINGLY. CLOSE CONSTRUCTION ACCESS POINTS AT ANY TIME CONTRACTORS ARE NOT ACTIVELY WORKING ON SITE.
9. INSTALL TEMPORARY STREAM CROSSING AS NECESSARY.
10. REMOVE ALL SELECTED TREES FROM THE STREAMBANK; REMOVE TREE ROOTS THAT WILL INTERFERE WITH CONSTRUCTION.
11. INSTALL TEMPORARY COFFERDAM AND PUMPS FOR APPLICABLE STAGE.
12. MOW ALL PROPOSED GRADING AREAS TO GROUND LEVEL AND REMOVE VEGETATION.
13. DEEP ROTOTILL ALL AREAS BEFORE GRADING.
14. ROUGH GRADE.
15. INSTALL SILT FENCE AT EDGE OF STREAM BED AT END OF EACH WORK DAY OR BEFORE STORM EVENT (WHICHEVER IS SOONER) WHERE EARTHWORK IS UNDERWAY AND NOT STABILIZED YET. STABILIZATION SHALL BE CONSIDERED IN THE FORM OF COIR MAT, VEGETATION, STONE, PAVING, OR UNIT CONSTRUCTION.
16. CONSTRUCT INSTREAM IMPROVEMENTS.
17. INSTALL BOULDERS AND/OR COIR LOGS AT EDGE OF STREAM.
18. FINISH GRADE AND RAKE SMOOTH.
19. PLANTED AREAS: INSTALL COIR MAT AND PLANT MATERIAL PER SPECIFICATIONS.
20. RESTORE DISTURBED AREAS FROM CONSTRUCTION ACTIVITIES.
21. CLEAN UP ALL DEBRIS AT THE END OF EACH DAY.
22. REMOVAL OF EROSION CONTROL MEASURES SHALL OCCUR UPON 75% UNIFORM STABILIZATION OF DISTURBED TRIBUTARY AREA OF CONTROL.
23. REMOVE EXCESS CONSTRUCTION MATERIAL AND DEMOBILIZE.

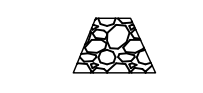
EXISTING LEGEND:

-  EXISTING CONTOUR
-  EXISTING GUIDERAIL
-  EXISTING EDGE OF WATER
-  EXISTING STREAM CENTERLINE
-  EXISTING TREE
-  EXISTING WETLAND AREA
-  STREAM CENTERLINE STATIONING
-  APPROXIMATE PROPERTY LINE
-  EXISTING STONE BANK
-  EXISTING STORM PIPE
-  EXISTING SANITARY PIPE
-  EXISTING OVERHEAD POWER LINE
-  EXISTING SANITARY MANHOLE
-  EXISTING STORM MANHOLE

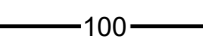
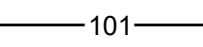
DEMO AND E&S LEGEND:

-  18" SILT FENCE
-  TREE PROTECTION FENCE
-  CONSTRUCTION FENCE
-  LIMIT OF WORK

SITE IMPROVEMENT LEGEND:

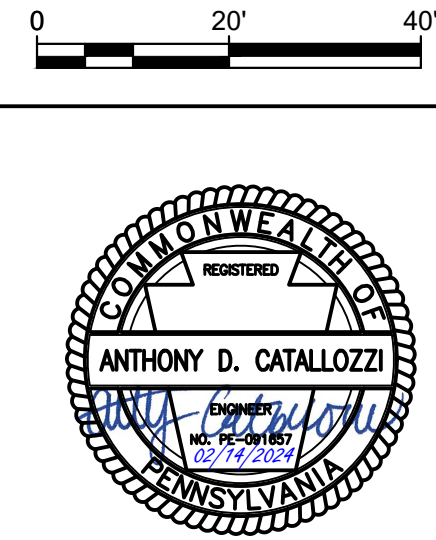
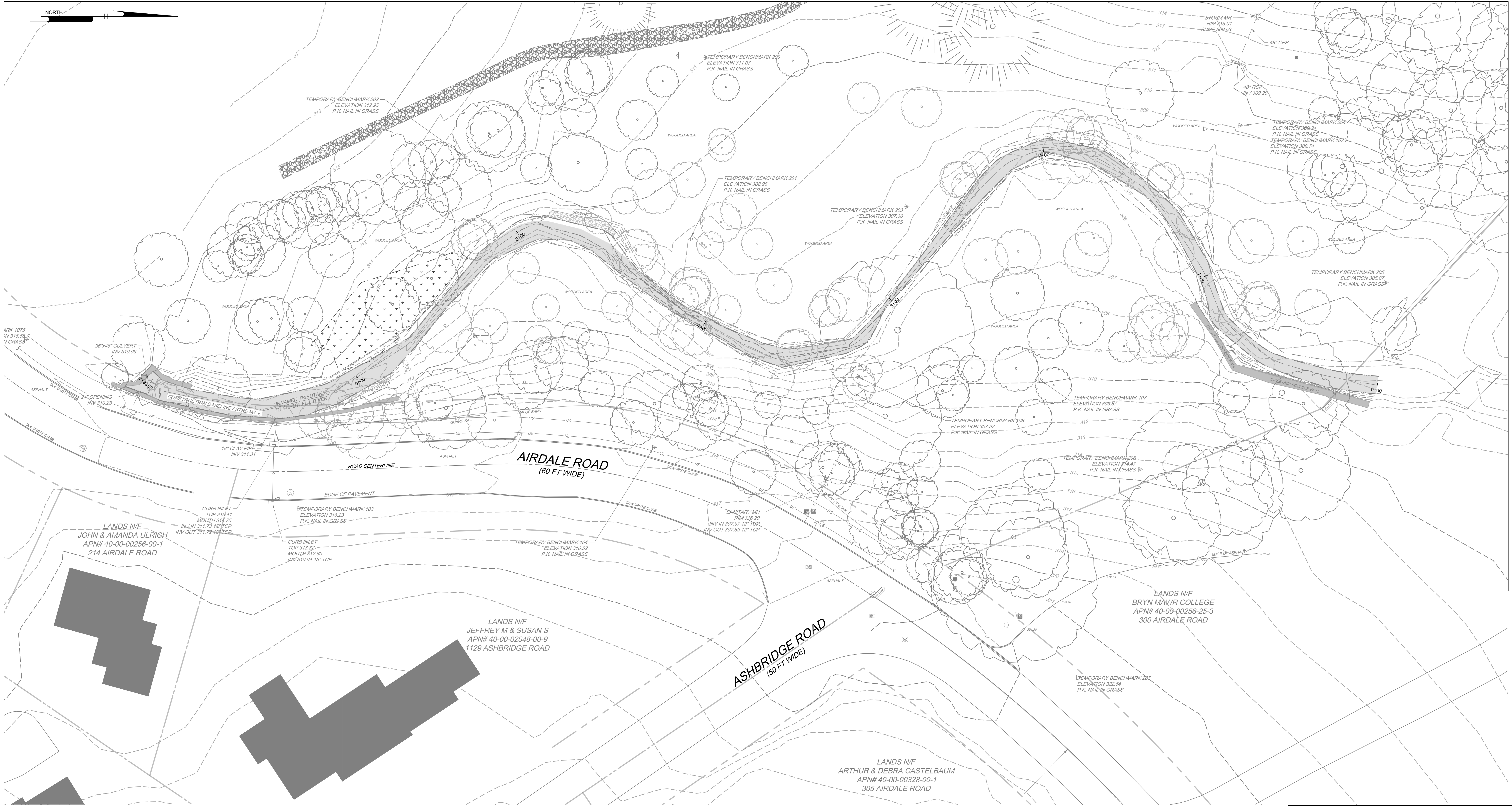
-  PROPOSED COIR MAT
-  PROPOSED PERMANENT MAT
-  PROPOSED LIMIT OF COIR MAT
-  PROPOSED RIPRAP APRON
-  PROPOSED COIR LOG
-  PROPOSED IMBRICATED RIPRAP

GRADING LEGEND:

-  PROPOSED MAJOR CONTOUR
-  PROPOSED MINOR CONTOUR

02/14/2024	1	ADDED TREE REMOVAL NOTE 3. & REVISED GRADING NOTE 8.	LL	JM
DATE	NO.	REVISIONS	BY	APPR.
ASHBRIDGE MEMORIAL PARK 1301 MONTGOMERY AVENUE LOWER MERION TOWNSHIP, MONTGOMERY COUNTY, PENNSYLVANIA				
INDEX				
TOWNSHIP OF LOWER MERION 75 EAST LANCASTER AVENUE ARDMORE, PENNSYLVANIA 19003				
SCALE	OFFICE OF THE TOWNSHIP ENGINEER			APPROVED JAM
DRAWN BY DM/LL	TOWNSHIP ENGINEER			SHEET 2 OF 10
DATE 2024-01-15				DRAWING NO. CS-0101

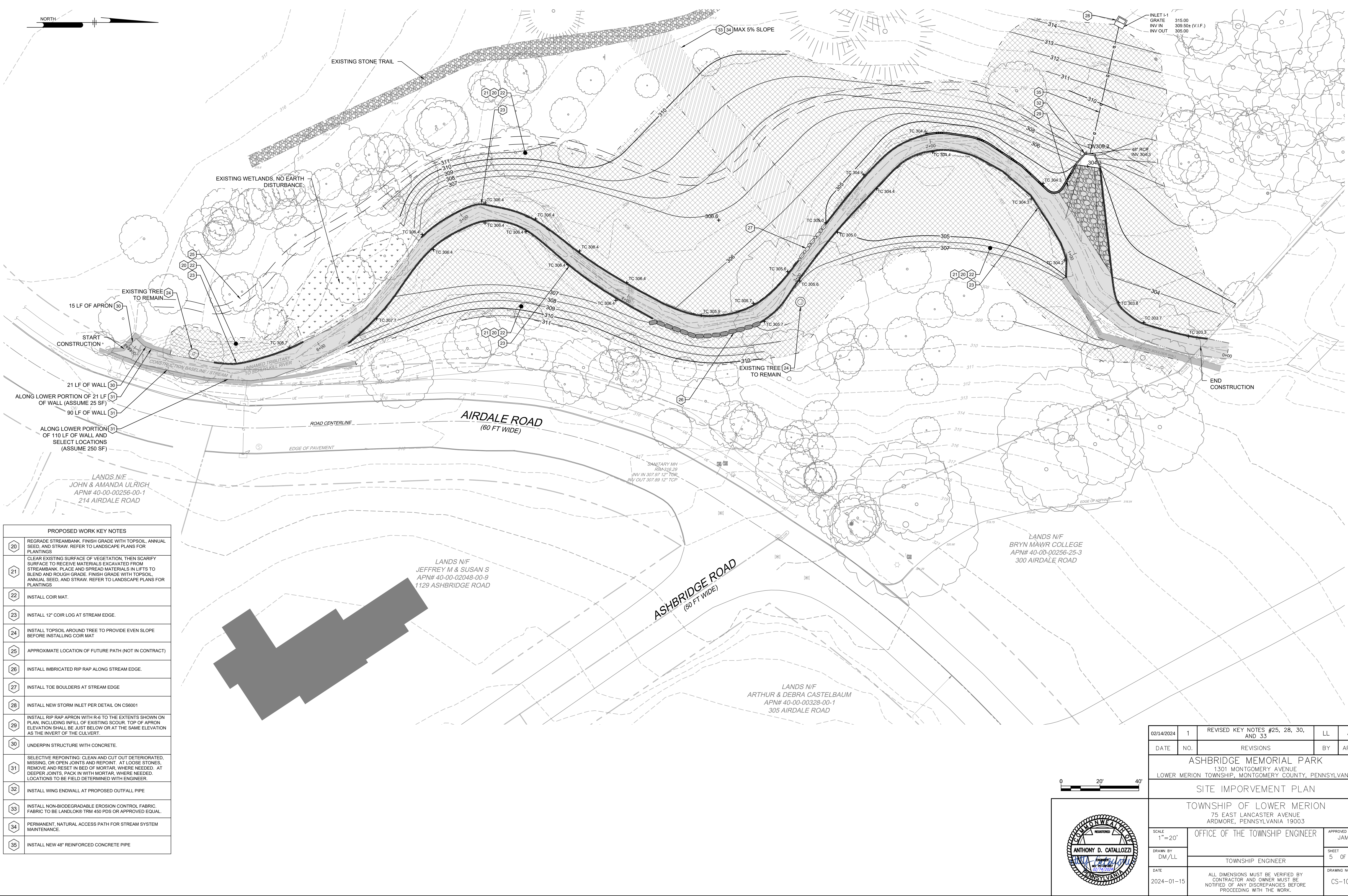




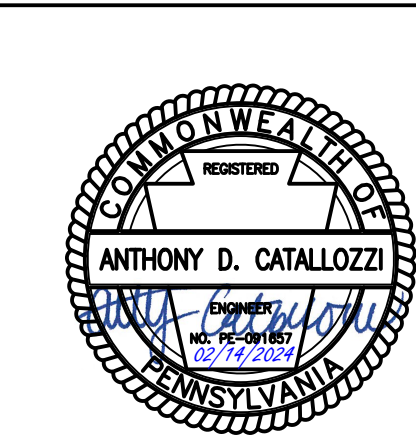
02/14/2024	1	DRAFTING UPDATES	LL	JM
DATE	NO.	REVISIONS	BY	APPR.
ASHBRIDGE MEMORIAL PARK 1301 MONTGOMERY AVENUE LOWER MERION TOWNSHIP, MONTGOMERY COUNTY, PENNSYLVANIA				
EXISTING CONDITIONS PLAN				
TOWNSHIP OF LOWER MERION 75 EAST LANCASTER AVENUE ARDMORE, PENNSYLVANIA 19003				
SCALE 1"=20'	OFFICE OF THE TOWNSHIP ENGINEER		APPROVED JAM	
DRAWN BY DM/LL	TOWNSHIP ENGINEER		SHEET 3 OF 10	
DATE 2024-01-15	ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR AND OWNER MUST BE NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.			DRAWING NO. CS-0201



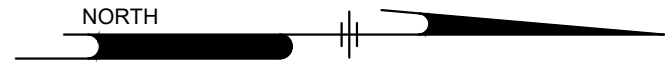
02/15/2024	1	REVISED NOTES 3, 4 AND 11, ADDED NOTES 14 AND 15, ADJUSTED LOD AND FENCE LOCATION	LL	JM
DATE	NO.	REVISIONS	BY	APP.
ASHBRIDGE MEMORIAL PARK 1301 MONTGOMERY AVENUE LOWER MERION TOWNSHIP, MONTGOMERY COUNTY, PENNSYLVANIA				
DEMOLITION & EROSION AND SEDIMENT CONTROL PLAN				
TOWNSHIP OF LOWER MERION 75 EAST LANCASTER AVENUE ARDMORE, PENNSYLVANIA 19003				
SCALE 1"=20'	OFFICE OF THE TOWNSHIP ENGINEER			APPROVED JAM
DRAWN BY DM/LL	TOWNSHIP ENGINEER			SHEET 4 OF 10
DATE 2024-01-15	ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR AND OWNER MUST BE NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.			DRAWING NO. CS-0501



PROPOSED WORK KEY NOTES	
20	REGRADE STREAMBANK. FINISH GRADE WITH TOPSOIL, ANNUAL SEED, AND STRAW. REFER TO LANDSCAPE PLANS FOR PLANTINGS
21	CLEAR EXISTING SURFACE OF VEGETATION, THEN SCARIFY SURFACE TO RECEIVE MATERIALS EXCAVATED FROM STREAMBANK, PLACE AND SPREAD MATERIALS IN LIFTS TO BLEND AND ROUGH GRADE. FINISH GRADE WITH TOPSOIL, ANNUAL SEED, AND STRAW. REFER TO LANDSCAPE PLANS FOR PLANTINGS
22	INSTALL COIR MAT.
23	INSTALL 12" COIR LOG AT STREAM EDGE.
24	INSTALL TOPSOIL AROUND TREE TO PROVIDE EVEN SLOPE BEFORE INSTALLING COIR MAT
25	APPROXIMATE LOCATION OF FUTURE PATH (NOT IN CONTRACT)
26	INSTALL IMBRICATED RIP RAP ALONG STREAM EDGE.
27	INSTALL TOE BOULDERS AT STREAM EDGE
28	INSTALL NEW STORM INLET PER DETAIL ON CS6001
29	INSTALL RIP RAP APRON WITH R-6 TO THE EXTENTS SHOWN ON PLAN, INCLUDING INFILL OF EXISTING SCOUR. TOP OF APRON ELEVATION SHALL BE JUST BELOW OR AT THE SAME ELEVATION AS THE INVERT OF THE CULVERT.
30	UNDERPIN STRUCTURE WITH CONCRETE.
31	SELECTIVE REPOINTING: CLEAN AND CUT OUT DETERIORATED, MISSING, OR OPEN JOINTS AND REPOINT. AT LOOSE STONES, REMOVE AND RESET IN BED OF MORTAR, WHERE NEEDED. AT DEEPER JOINTS, PACK IN WITH MORTAR, WHERE NEEDED. LOCATIONS TO BE FIELD DETERMINED WITH ENGINEER.
32	INSTALL WING ENDWALL AT PROPOSED OUTFALL PIPE
33	INSTALL NON-BIODEGRADABLE EROSION CONTROL FABRIC. FABRIC TO BE LANDLOK® TRM 450 PDS OR APPROVED EQUAL.
34	PERMANENT, NATURAL ACCESS PATH FOR STREAM SYSTEM MAINTENANCE.
35	INSTALL NEW 48" REINFORCED CONCRETE PIPE



02/14/2024	1	REVISED KEY NOTES #25, 28, 30, AND 33	LL	JM
DATE	NO.	REVISIONS	BY	APPR.
ASHBRIDGE MEMORIAL PARK 1301 MONTGOMERY AVENUE LOWER MERION TOWNSHIP, MONTGOMERY COUNTY, PENNSYLVANIA				
SITE IMPORVEMENT PLAN				
TOWNSHIP OF LOWER MERION 75 EAST LANCASTER AVENUE ARDMORE, PENNSYLVANIA 19003				
SCALE 1"=20'	OFFICE OF THE TOWNSHIP ENGINEER			APPROVED JAM
DRAWN BY DM/LL	TOWNSHIP ENGINEER			SHEET 5 OF 10
DATE 2024-01-15	ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR AND OWNER MUST BE NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.			DRAWING NO. CS-1001



JOHN &
APN# 40-00-00000-000
214 AIRDALE ROAD

MIX C- FLOODPLAIN EDGE / SLOPE (WET / MED)
(33) AC
(52) EP
(53) MD

MIX C- FLOODPLAIN EDGE / SLOPE (WET / MED)
(125) AC
(195) EP
(199) MD

AIRDALE ROAD
(60 FT WIDE)

SEE SHEET CS-2002 FOR PLANT SCHEDULE

MIX B- FLOODPLAIN (WET / PART SUN)
(58) AN
(104) IV
(104) LC
(58) MD

(8) COX
(4) RA
(4) LB
(5) CL

MIX B- FLOODPLAIN (WET / PART SUN)
(122) AN
(217) IV
(217) LC
(122) MD

(3) MS
(13) CS
(2) BR
(2) RA
(12) AS
(5) MP
(2) CA

MIX B- FLOODPLAIN (WET / PART SUN)
(157) AN
(280) IV
(280) LC
(157) MD

(3) IW
(2) AR
(3) NS
(3) CL
(2) QP
(2) MS
(1) IW

MIX D- UPLAND / SLOPE (MED / DRY)
(68) AC
(425) ED
(108) RB
MIX B- FLOODPLAIN (WET / PART SUN)
(151) AN
(269) IV
(269) LC
(151) MD
MIX A- FLOODPLAIN (WET / SHADE)
(15) ED
(22) OS
(34) OC
(34) PB
MIX D- UPLAND / SLOPE (MED / DRY)
(93) AC
(581) ED
(148) RB
(2) POX
MIX D- UPLAND / SLOPE (MED / DRY)
(105) AC
(656) ED
(167) RH

MIX B- FLOODPLAIN (WET / PART SUN)
(110) AN
(195) IV
(195) LC
(110) MD
MIX A- FLOODPLAIN (WET / SHADE)
(44) ED
(63) OS
(99) OC
(99) PB

(1) MS
(1) BR
(1) AR
(2) CC
(1) SNX
(1) AR

(1) CA
(4) CS
(1) CA
(1) OP

(10) VDX
(10) LB
(9) IW
(2) CS
(2) SDX
(1) CL
(2) CL

(3) CL
(2) CA
(1) LB
(1) BR
(3) CL
(2) CA
(1) LB
(1) BR

MIX B- FLOODPLAIN (WET / PART SUN)
(177) AN
(315) IV
(315) LC
(177) MD
MIX B- FLOODPLAIN (WET / PART SUN)
(40) AN
(71) IV
(71) LC
(40) MD

(1) LB
(2) CA
(2) CL
(2) LB
(5) SDX
(1) LB

(7) LB
(4) CL
(4) SDX
(4) CL

PLANTING NOTES:

- CONTRACTOR MUST TEST AND AMEND EXISTING TOPSOIL. SEE NOTES ON DWG CS8001.
- FINAL GRADING AND INSTALLATION OF COIR MATS MUST BE COMPLETED BEFORE PLANTING. COIR MATS MAY BE CUT TO THE MINIMUM SIZE REQUIRED TO ACCOMMODATE ROOT BALLS OF TREES AND SHRUBS. PLUGS SHALL BE PLANTED IN THE COIR MAT OPENINGS WITH NO CUTTING.
- NOTIFY ALL UTILITY COMPANIES AND LOCATE ALL EXISTING AND NEW UTILITIES PRIOR TO EXCAVATING PLANT PITS. PLANT LOCATIONS MAY BE ADJUSTED IN THE FIELD TO AVOID INTERFERENCE WITH UNDERGROUND UTILITIES, WITH APPROVAL OF THE LANDSCAPE ARCHITECT.
- SHOULD ANY DISCREPANCY ARISE BETWEEN THE PLANTING PLAN AND THE PLANTING SCHEDULE, THE PLAN SHALL GOVERN AS TO THE QUANTITY OF PLANT MATERIAL TO BE INSTALLED.
- ALL PLANT MATERIAL SHALL BE OF NURSERY STOCK QUALITY AS DEFINED BY THE AMERICAN NURSERY AND LANDSCAPE ASSOCIATION. ALL PLANT MATERIAL TO BE GUARANTEED TO LIVE AT LEAST 18 MONTHS AFTER COMPLETION OF THE PROJECT.
- ALL PLANT MATERIAL SHALL BE APPROVED UPON ARRIVAL TO THE SITE. NOTIFY THE LANDSCAPE ARCHITECT A MINIMUM OF THREE DAYS PRIOR TO DELIVERY.
- ALL PLANT LOCATIONS SHALL BE STAKED IN THE FIELD AND LOCATIONS APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO PLANTING.
- PROPOSED PLANT MATERIAL MAY BE SUBSTITUTED BY SIMILAR PLANTS, SUBJECT TO APPROVAL BY THE LANDSCAPE ARCHITECT.
- MULCH SHALL BE AN AGED, DOUBLE SHREDDED HARDWOOD BARK MULCH OR COMPOSTED LEAF MULCH. MULCH SHALL BE FREE OF WEEDS. GRASS CLIPPINGS ARE NOT ACCEPTABLE. MULCH SHALL BE PLACED EVEN AND LEVEL TO A DEPTH OF 3". NO MULCH SHALL BE PILED AGAINST TRUNKS, STEMS, CROWNS, OR ROOT FLARES AT BASE OF SHRUBS.

OVERSEEDING NOTES:

- IMMEDIATELY AFTER INSTALLATION OF COIR MAT, SEED LANDSCAPE AREAS WITH ANNUAL RYEGRASS AT A RATE OF 5 LBS PER 1,000 SF. FOR IMMEDIATE STABILIZATION. LEAVE SEED/GRASS IN PLACE WHEN INSTALLING PERMANENT PLANTINGS.

TEMPORARY SEEDING NOTES:

- AFTER FINISHED GRADING OF STREAM BANKS, BUT BEFORE INSTALLATION OF COIR MAT, INSTALL ANNUAL RYEGRASS SEED OVER ENTIRE BANK AREA. USE A QUICK GERMINATING SEED SUCH AS PENNINGTON ANNUAL RYEGRASS SEED OR APPROVED EQUAL.
- SOW THE GRASS SEED BY EVENLY SPREADING SEED, PER SEEDING SPECIFICATIONS. APPLY SEED AT A RATE OF 10 LBS/1,000 SF.
- SPREAD CLEAN STRAW MULCH OVER SEEDED AREAS PER SEEDING SPECIFICATIONS. APPLY STRAW AT A RATE OF 2 TONS/ACRE TO FORM A CONTINUOUS BLANKET OVER SEEDED AREAS.
- KEEP THE AREA WATERED AND MAINTAINED PER SEEDING SPECIFICATIONS.

LAWN SEEDING AND LAWN RESTORATION NOTES:

- APPLY LAWN SEED TO ALL AREAS INDICATED ON PLAN AND ALL LAWN AREAS DISTURBED BY CONSTRUCTION.
- RUTS AND TIRE MARKS LEFT BY CONSTRUCTION VEHICLES MUST BE RESTORED, TO INCLUDE LOOSENING OF THE COMPACTED SOIL, REMOVING MOUNDS AND CLUMPS, FILLING DEPRESSIONS, AND RAKING TOPSOIL TO PROVIDE SMOOTH LAWN SURFACE BEFORE SEEDING.
- BEFORE SEEDING, CONTRACTOR SHALL PROVIDE A MINIMUM OF TWO TOPSOIL TESTS, IN LOCATIONS AS APPROVED BY THE ENGINEER. ALL APPLICATIONS OF FERTILIZER OR OTHER SOIL AMENDMENTS SHALL BE MADE PER SOIL TEST RECOMMENDATIONS. TOPSOIL MUST MEET ALL SPECIFICATION REQUIREMENTS.
- REFER TO CS-2002 FOR LAWN SEED NOTES.
- SEED, MULCH, WATER, AND MAINTAIN SEEDED AREAS PER SPECIFICATIONS.
- RESEED BARE OR THIN AREAS AS DIRECTED BY THE ENGINEER/LANDSCAPE ARCHITECT.



02/15/2024	1	LANDSCAPE MODIFICATIONS & DRAFTING UPDATES	LL	JM
DATE	NO.	REVISIONS	BY	APPR.
ASHBRIDGE MEMORIAL PARK 1301 MONTGOMERY AVENUE LOWER MERION TOWNSHIP, MONTGOMERY COUNTY, PENNSYLVANIA				
LANDSCAPE PLAN				
TOWNSHIP OF LOWER MERION 75 EAST LANCASTER AVENUE ARDMORE, PENNSYLVANIA 19003				
SCALE 1"=20'	OFFICE OF THE TOWNSHIP ENGINEER		APPROVED JAM	
DRAWN BY DM/LL	TOWNSHIP ENGINEER		SHEET 6 OF 10	
DATE 2024-01-15	ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR AND OWNER MUST BE NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.		DRAWING NO. CS-2001	



LAWN SEED MIX (SEED MIX 1):
SHADE AND LOW MAINTENANCE SEED MIX AS
MANUFACTURED BY FISHER & SON SEED, OR
APPROVED EQUAL:
30% ECOSTAR HARD FESCUE
30% J-5 CHEWING FESCUE
30% AUDUBON RED FESCUE
10% RESCUE 911 HARD FESCUE
APPLY AT 6 LBS PER 1,000 SQUARE FEET.

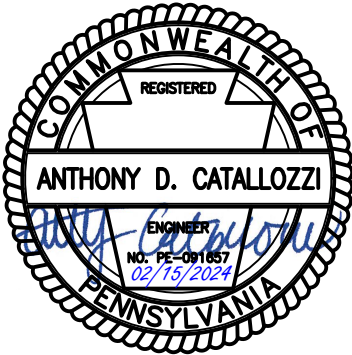
KEY	QTY	BOTANICAL NAME	COMMON NAME	INITIAL SIZE	ROOT	NOTES	INUNDATION TOLERANCE	HYDROLOGIC ZONE
		SHADE TREES						
AR	4	<i>Acer rubrum</i>	Red Maple	2"-2 1/2" cal.	B&B		seasonal	3+
BR	5	<i>Betula nigra</i>	River Birch	1 1/2"-2" cal.	B&B	MULTI-STEM	seasonal	5-
NS	3	<i>Nyssa sylvatica</i>	Black Gum	2"-2 1/2" cal.	B&B		seasonal	2-5
QP	7	<i>Quercus phellos</i>	Willow Oak	2"-2 1/2" cal.	B&B		seasonal	5-
		UNDERSTORY TREES						
AX	3	<i>Amelanchier grandiflora</i>	Serviceberry	1 1/2"-2" cal.	B&B	MULTI-STEM	seasonal	4,5,6
CC	4	<i>Cercis canadensis</i>	Eastern Redbud	1 1/2"-2" cal.	B&B		no	4,5,6
CF	1	<i>Cornus florida</i>	Flowering Dogwood	1 1/2"-2" cal.	B&B		no	4,5,6
MV	9	<i>Magnolia virginiana</i>	Sweetbay Magnolia	1 1/2"-2" cal.	B&B		seasonal	5-
		SHRUBS						
AS	12	<i>Alnus serrulata</i>	Hazel (Smooth) Alder	36" ht. min.	#5 Cont.		saturated	3-
CL	41	<i>Clethra alnifolia</i>	Summersweet	24" ht. min.	#3 Cont.		seasonal	5-
CA	11	<i>Cornus amomum</i>	Silky Dogwood	24" ht. min.	#3 Cont.		seasonal	5-
CR	4	<i>Cornus racemosa</i>	Gray Dogwood	36" ht. min.	#5 Cont.		seasonal	3+
CS	36	<i>Cornus sericea</i>	Red Twig Dogwood	24" ht. min.	#3 Cont.		seasonal	5-
IW	14	<i>Ilex verticillata</i>	Winterberry	24" ht. min.	#3 Cont.		seasonal	5-
LB	37	<i>Lindera benzoin</i>	Spicebush	24" ht. min.	#3 Cont.		seasonal	3,4,5
MP	13	<i>Myrica pensylvanica</i>	Northern Bayberry	24" ht. min.	#3 Cont.		seasonal	5-
RA	20	<i>Rhus aromatica</i>	Fragrant Sumac	24" ht. min.	#3 Cont.			dry-med

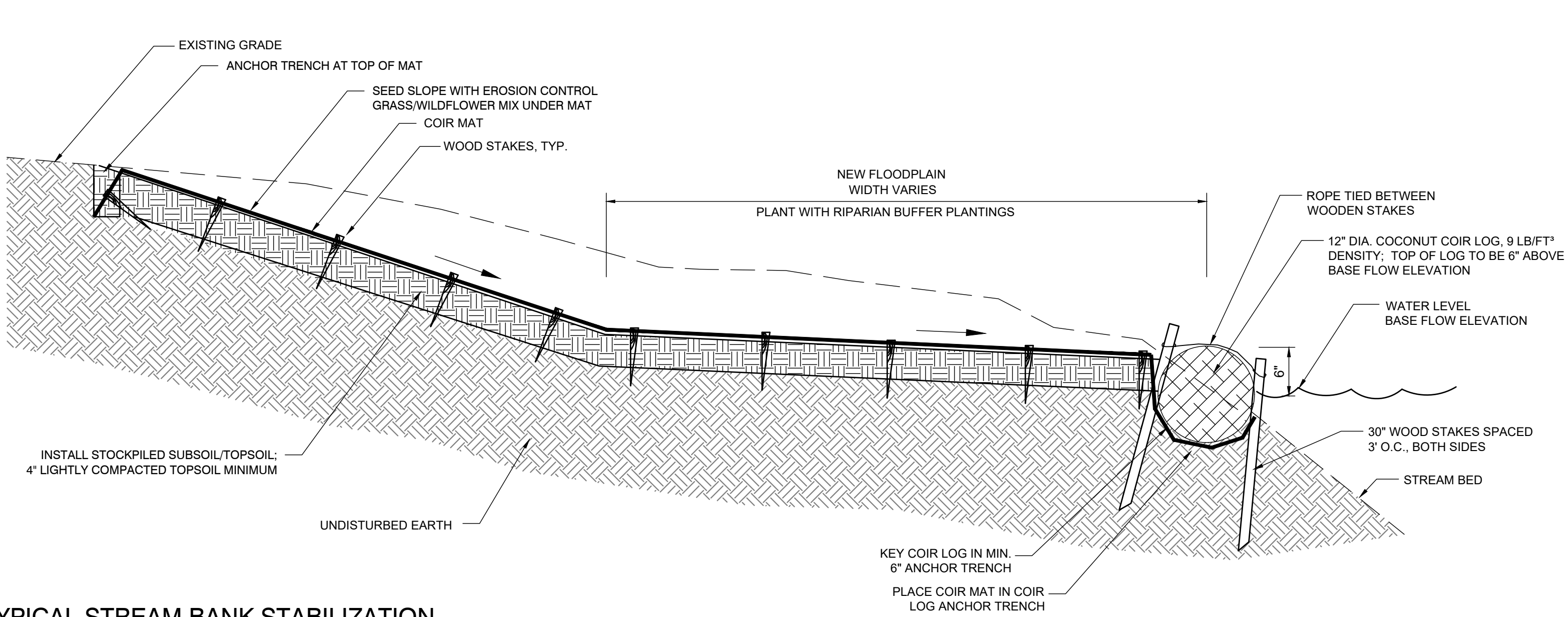
PLANT SCHEDULE - LIVE CUTTINGS

KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	SPACING
		TREES			
POX	2	<i>Platanus occidentalis</i>	American Sycamore	4' stake	8' O.C.
SNX	2	<i>Salix nigra</i>	Black Willow	4' stake	8' O.C.
		SHRUBS			
COX	18	<i>Cephalanthus occidentalis</i>	Buttonbush	2' stake	
SDX	16	<i>Salix discolor</i>	Pussywillow	2' stake	
VDX	24	<i>Viburnum dentatum</i>	Arrowwood	4' stake	

KEY	QTY	BOTANICAL NAME	COMMON NAME	SPACING	ROOT	HYDROLOGIC ZONE	EXP.
		MIX A - FLOODPLAIN (WET / SHADE)					
ED	78	<i>Eurybia divaricata</i>	White Wood Aster	36" O.C.	Plug	4+ dry-m	part to full shade
OS	113	<i>Onoclea sensibilis</i>	Sensitive Fern	30" O.C.	Plug	5- m-w	part to full shade
OC	176	<i>Osmunda cinnamomea</i>	Cinnamon Fern	24" O.C.	Plug	2+ m-w	part to full shade
PB	176	<i>Polygonatum biflorum</i>	Solomon's Seal	24" O.C.	Plug	med to wet	part shade to full shade
		MIX B - FLOODPLAIN (WET / PART SUN)					
AN	676	<i>Aster novae-angliae</i>	New England Aster	24" O.C.	Plug	5- med	full sun
IV	1,202	<i>Iris versicolor</i>	Blue Flag	18" O.C.	Plug	2+ m-w	Full sun to part shade
LC	1,202	<i>Lobelia cardinalis</i>	Cardinal Flower	18" O.C.	Plug	3,4 m-w	full sun to part shade
MD	676	<i>Monarda didyma</i>	Bee Balm	24" O.C.	Plug	6- m-w	full sun to part shade
		MIX C - FLOODPLAIN EDGE / SLOPE (WET-MED)					
AC	383	<i>Aquilegia canadensis</i>	Wild Columbine	30" O.C.	Plug	6- med	full sun to part shade
EP	599	<i>Eupatorium purpureum</i>	Purple Joe-pye-weed	24" O.C.	Plug	3+ med	full sun to part shade
MD	611	<i>Monarda didyma</i>	Bee Balm	24" O.C.	Plug	6- m-w	full sun to part shade
		MIX D - UPLAND / SLOPE (MED-DRY)					
AC	352	<i>Aquilegia canadensis</i>	Wild Columbine	30" O.C.	Plug	6- med	full sun to part shade
ED	2,201	<i>Eurybia divaricata</i>	White Wood Aster	12" O.C.	Plug	4+ dry-m	part to full shade
RH	560	<i>Rudbeckia hirta</i>	Black-eyed Susan	24" O.C.	Plug	4+ med	full to part sun

02/15/2024	1	LANDSCAPE MODIFICATIONS & DRAFTING UPDATES	LL	JM
DATE	NO.	REVISIONS	BY	APPR.
ASHBRIDGE MEMORIAL PARK 1301 MONTGOMERY AVENUE LOWER MERION TOWNSHIP, MONTGOMERY COUNTY, PENNSYLVANIA				
LANDSCAPE NOTES				
TOWNSHIP OF LOWER MERION 75 EAST LANCASTER AVENUE ARDMORE, PENNSYLVANIA 19003				
SCALE 1"=20'	OFFICE OF THE TOWNSHIP ENGINEER		APPROVED JAM	
DRAWN BY DM/LL			SHEET 7 OF 10	
		TOWNSHIP ENGINEER		
DATE	ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR AND OWNER MUST BE NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.			DRAWING NO.
2024-01-15				CS-2002





TYPICAL STREAM BANK STABILIZATION
COIR LOG ALONG EDGE OF STREAM AND NEW FLOODPLAIN

N.T.S.

SLOPE AND FLOODPLAIN STABILIZATION NOTES:

- COIR MAT TO BE A 100% ORGANIC, BIODEGRADABLE MAT MADE FROM COCONUT COIR FIBER, AS SUPPLIED BY EAST COAST EROSION CONTROL, OR APPROVED EQUAL. www.eastcoasterosion.com.
 - EC-7Y 700 GRAM COIR MAT, TO WITHSTAND SHEAR STRESS OF 4.50 LBS/SF, VELOCITY OF 12.0 FT/S, C FACTOR 0.0033, AND 41% OPEN AREA.
- SITE PREPARATION
 - REMOVE AND STOCKPILE TOPSOIL FOR REINSTALLATION.
 - EXCAVATE TO SUBGRADE USING LIGHT EQUIPMENT. DO NOT COMPACT OR GLAZE SURFACE OF EXISTING SUBGRADE.
 - SPREAD EXISTING TOPSOIL.
 - GRADE SURFACE SO THAT GROUND IS SMOOTH AND FREE OF LUMPS AND DEPRESSIONS. REMOVE ALL ROCK, DIRT CLOUDS, GRASS CLUMPS, TRASH AND OTHER OBSTRUCTIONS WHICH WOULD PREVENT MAT FROM LYING IN DIRECT CONTACT WITH SOIL SURFACE.

- EXCAVATE TOP AND BOTTOM ANCHOR TRENCHES BEFORE PLACING MAT.

- SEEDING
 - SEED IN ACCORDANCE WITH SEEDING NOTES.
 - COVER SEED WITH $\frac{1}{8}$ " SOIL AND LIGHTLY COMPACT.
 - MULCH SEED WITH CLEAN STRAW.
- INSTALL COIR MAT PER MANUFACTURER'S DIRECTIONS, SEE DETAIL.
- PLANTING
 - INSTALL PLANTS IN COIR MAT. CUT MAT ONLY AS REQUIRED AS OUTLINED IN PLANTING NOTES AND RESECURE MAT.

Slope Installation Guidelines:
These guidelines are recommendations only. Any questions with the installation should be confirmed with your local distributor.

- Dig a 6" by 6" trench both up-slope and down-slope of the area the matting is to be applied. Prepare the slope soil surface (raking, seeding and fertilizing).
- Begin by placing the blanket a minimum of 12" down-slope of the up-slope trench. Secure the blanket at the bottom of the trench with staples placed 12" apart. Backfill and compact the trench. Apply seed, and fold the blanket over soil, secure with a row of staples placed 12" apart across the width of the blanket. (See Diagram A)
- Roll the blanket vertically down the slope. Secure using the appropriate staple pattern below, specified by slope. (See Staple Patterns)
- Parallel blankets must be overlapped by a minimum of 4", and secured with a row of staples placed approximately 3'-0" apart. (See Diagram B)
- Additional vertical blankets can be joined using a minimum 4" overlapping or shingle style (See Diagrams C) in the direction of water flow. Connect the blankets by placing staples approximately 12" apart across the width of the blankets.
- For maximum performance a check slot should be placed at 25'-40' intervals. Place a row of staples 4" apart along the entire width of the slope. A second row should be placed 4" below in a staggered pattern. Then continue with general installation. (See Diagrams D)
- The end of blanket must be secured in a 6" x 6" trench with a row of staples placed at 12" intervals. (Diagram E)

Staple Patterns:

0.7 staples/yd²
4:1 SLOPES

1.2 staples/yd²
3:1 SLOPES

1.75 staples/yd²
2:1 SLOPES

3.8 staples/yd²
1:1 SLOPES

Specifications and Equivalency:
All product material and performance specifications are available from East Coast Erosion Blankets via the product specification sheet. Utilization of a 11 gauge staple, a minimum 6" long by 1" crown, is recommended. The tightly compressed blankets are wrapped and include a product label, code and installation guide.

In addition to meeting all data available on the specification sheet, equivalent products shall meet the following requirements:

- The product must be listed with the NTPEP database.
- The product must meet the Type 2.C specification requirements established by the Erosion Control Technology Council (ECTC).
- The product must meet the Federal Highway Administration's (FHWA) FP-03 Section 713.17 specification.

Slope Installation Detail

Up-slope Trench Installation Detail (Diagram A)

Down-slope Trench Installation Detail (Diagram E)

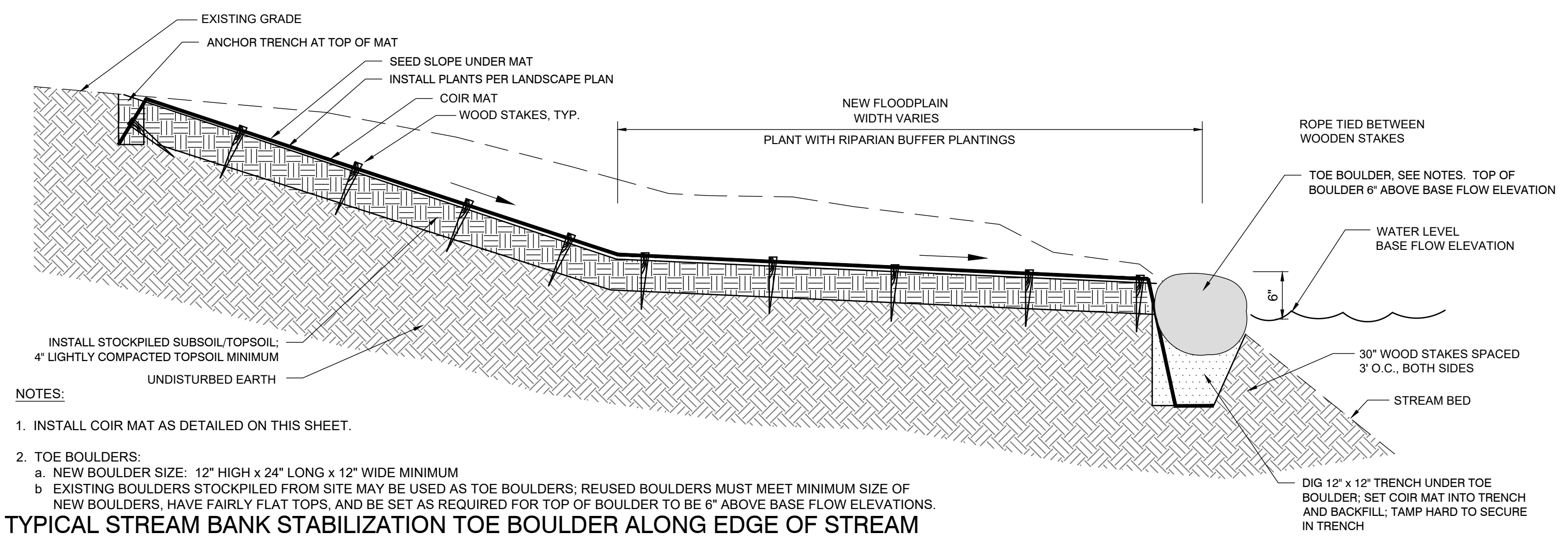
Proud Member of:

443 Bricker Road Bernville, PA 19506
Toll Free: 1-800-582-4005 * Phone: +1-610-488-8496 * Fax: +1-610-488-8494

DRAWN BY: MR DRAWING #: EC-SLOPE REV. # 1 DATE: 1/2/09

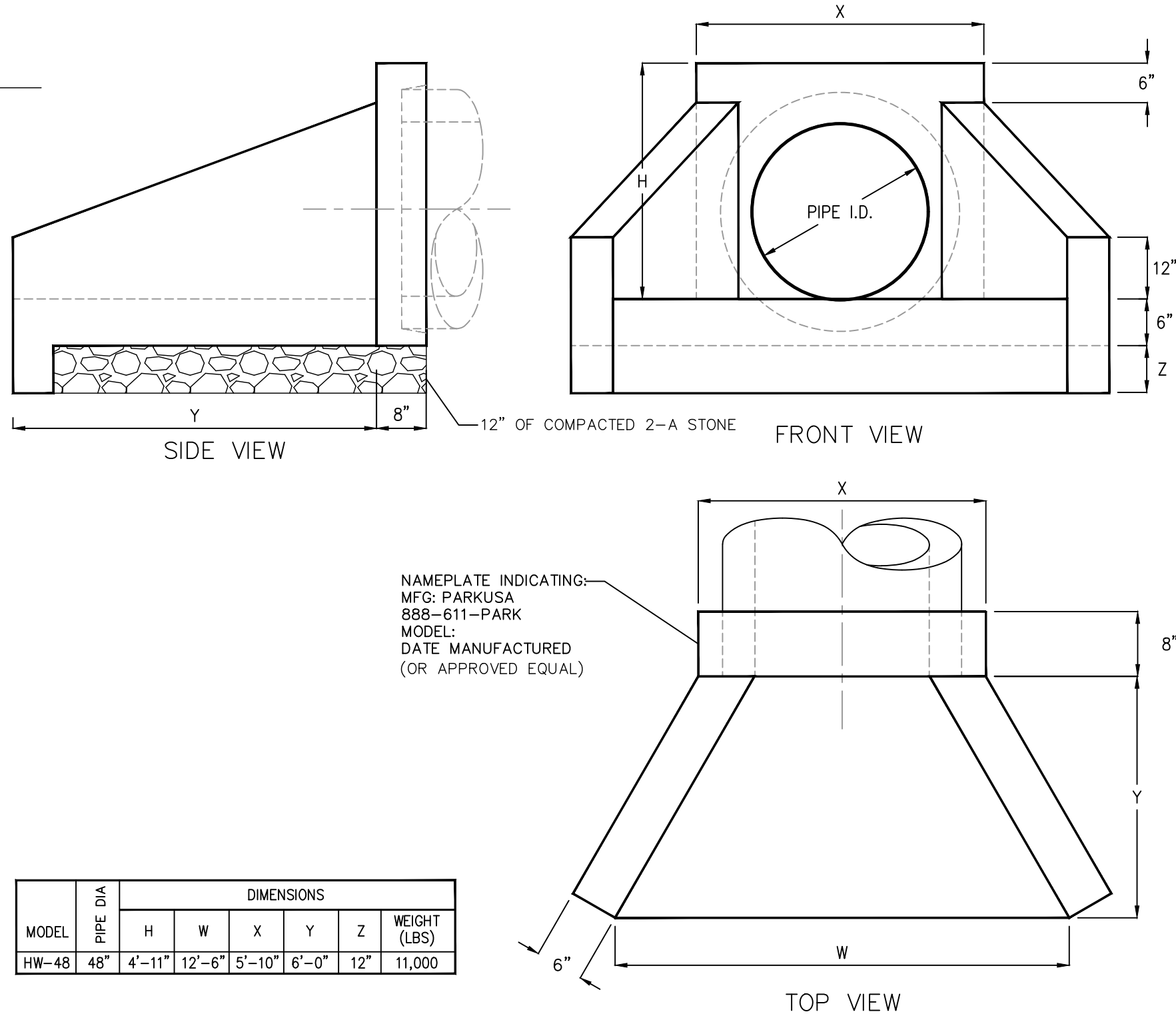
COIR MAT INSTALLATION

N.T.S.



TYPICAL STREAM BANK STABILIZATION TOE BOULDER ALONG EDGE OF STREAM

N.T.S.



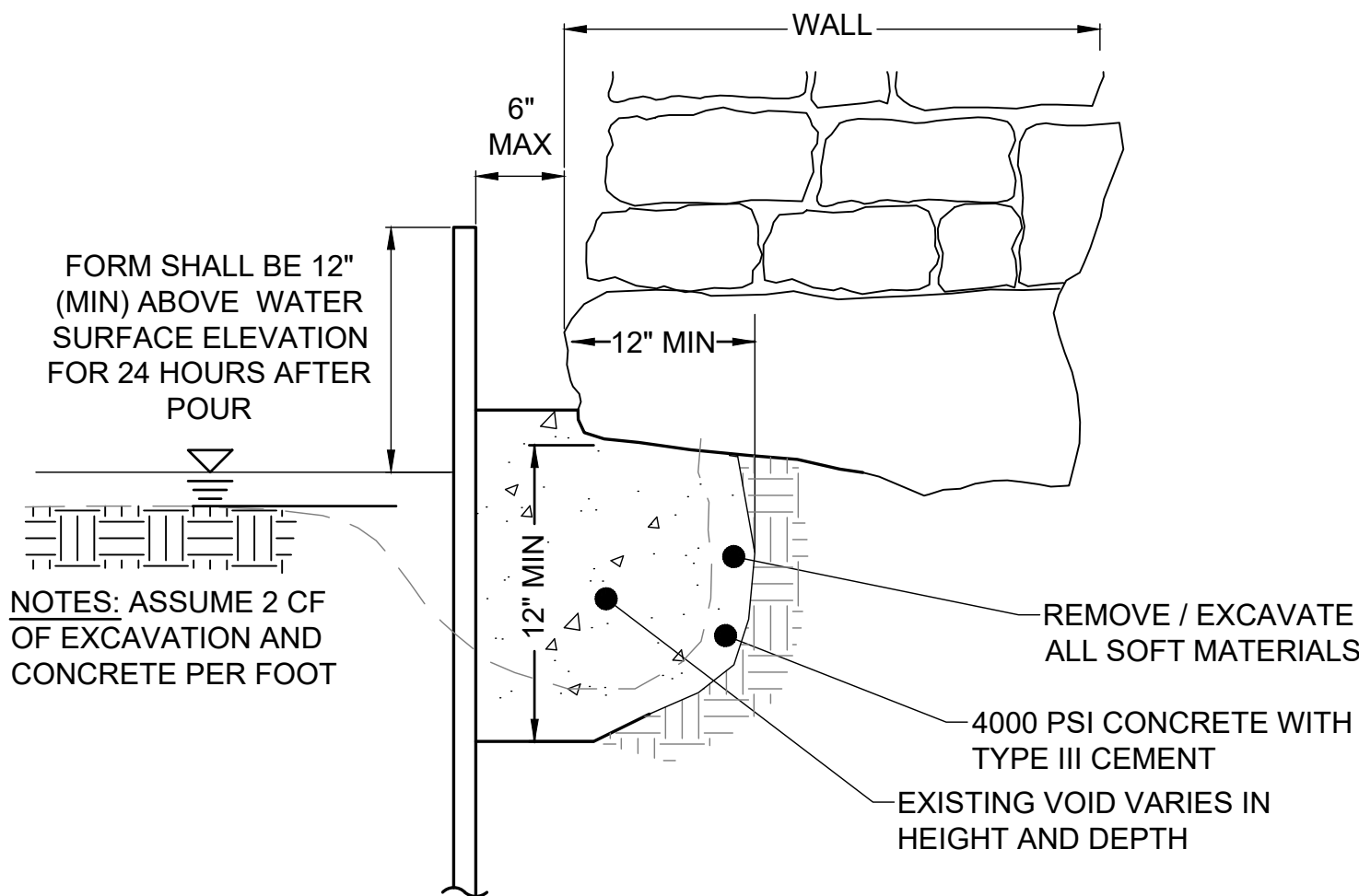
MODEL	PIPE DIA	DIMENSIONS						WEIGHT (LBS)
		H	W	X	Y	Z		
HW-48	48"	4'-11"	12'-6"	5'-10"	6'-0"	12"		11,000

SPECIFICATIONS

- CONCRETE: CLASS II CONCRETE WITH OF DESIGN STRENGTH OF 4500 PSI AT 28 DAYS. UNIT SHALL BE: (A) MONOLITHIC CONSTRUCTION INCLUDING WALLS AND FLOOR OR (B) FLOOR MAY BE CAST IN PLACE.
- REINFORCEMENT: GRADE 60 REINFORCED. NO. 4 STEEL REBAR TO CONFORM TO ASTM A615 ON REQUIRED CENTERS OR EQUAL. BAR BENDING AND PLACEMENT SHALL WITH THE LATEST ACI STANDARDS.

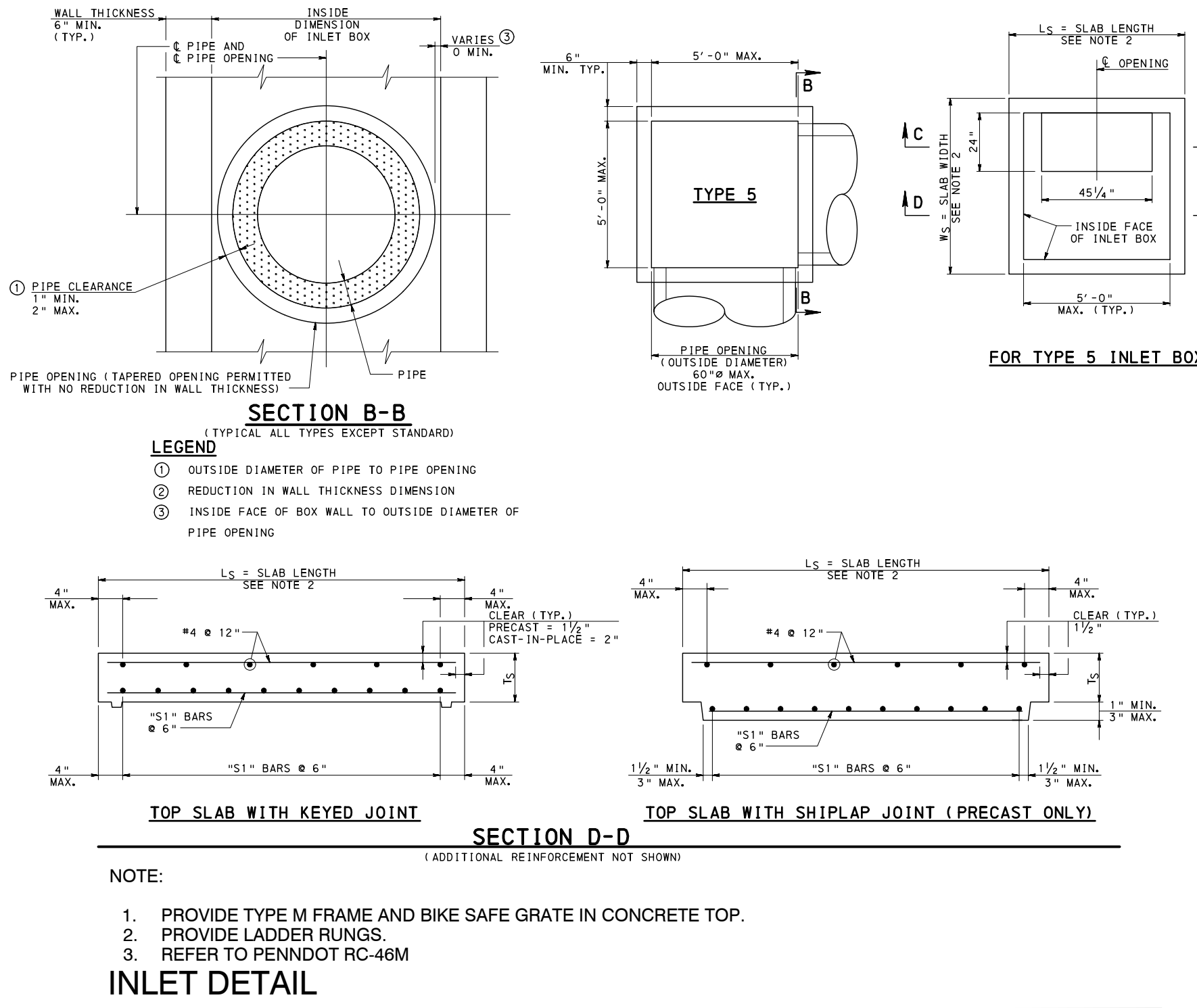
ENDWALL DETAIL

N.T.S.



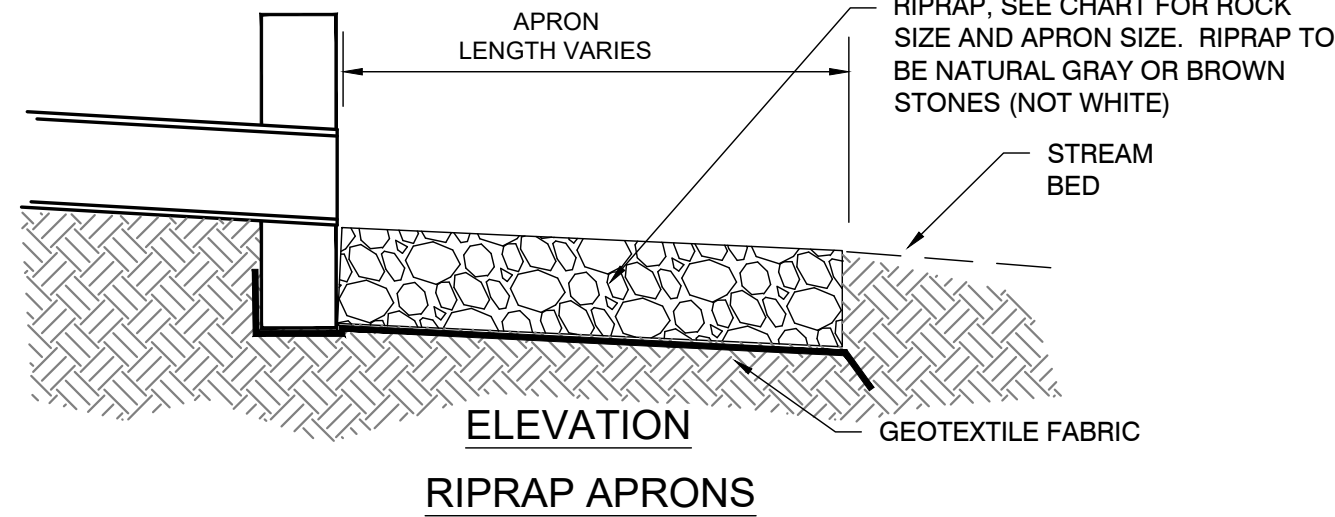
WALL UNDERPINNING DETAIL

N.T.S.



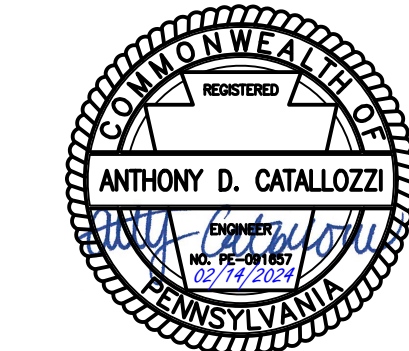
INLET DETAIL

N.T.S.

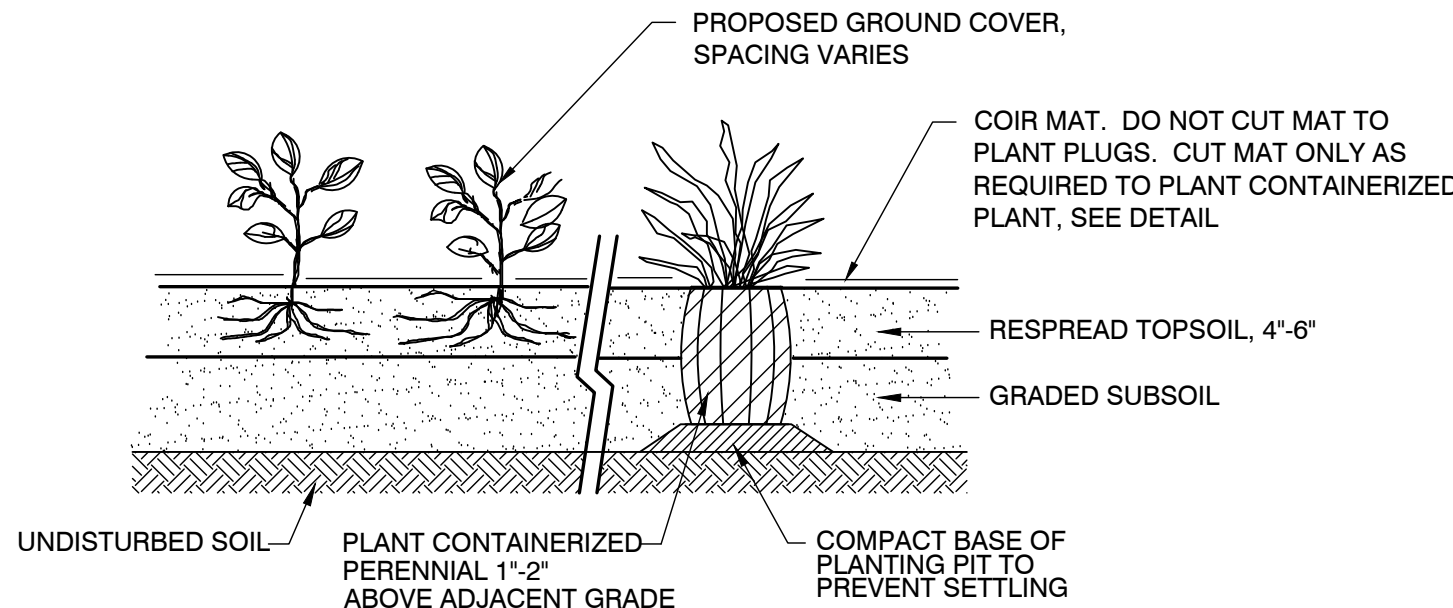


RIPRAP APRON DETAIL

N.T.S.



02/14/2024	1	ADDED UNDERPINNING DETAIL AND RIPRAP APRON, REVISED INLET DETAIL	LL	JM
DATE	NO.	REVISIONS	BY	APPR.
ASHBRIDGE MEMORIAL PARK 1301 MONTGOMERY AVENUE LOWER MERION TOWNSHIP, MONTGOMERY COUNTY, PENNSYLVANIA				
CONSTRUCTION DETAILS - 1				
TOWNSHIP OF LOWER MERION 75 EAST LANCASTER AVENUE ARDMORE, PENNSYLVANIA 19003				
SCALE 1"=20'	OFFICE OF THE TOWNSHIP ENGINEER		APPROVED JAM	
DRAWN BY DM/LL	TOWNSHIP ENGINEER		SHEET 8 OF 10	
DATE 2024-01-15	ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR AND OWNER MUST BE NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.		DRAWING NO. CS-6001	



CONTAINER AND PLUG PLANTING IN GRADED FLOODPLAIN

N.T.S.

PLANTING CONTAINER PLANTS, SHRUBS AND TREES IN COIR MAT:

1. CUT COIR MAT STRANDS ALONG HORIZONTAL AXIS (PARALLEL TO STRAM FLOW). CUT ONLY AS REQUIRED TO PLACE PLANT.
2. PULL APART STRANDS AND TEMPORARILY HOLD OPEN HOLE IN MAT.
3. EXCAVATE HOLE FOR PLANT. DO NOT PILE EXCAVATED SOIL ON TOP OF COIR MAT.
4. PLACE AND FIRM IN PLANTED STOCK TO CORRECT ELEVATION. FILL ALL GAPS AROUND PLANTING MEDIUM.
5. RESPREAD STRAW AROUND PLUG OR ADD MORE STRAW.
6. PULL COIR STRANDS BACK AROUND BASE OF TREE OR SHRUB. USE COIR CORD TO SUTURE MAT TOGETHER OR ANCHOR LOOSE ENDS.

PLANTING PLUGS IN COIR MAT:

1. DO NOT CUT MAT.
2. PULL APART STRANDS OF MAT ONLY AS REQUIRED TO DIG PLANTING HOLE.
3. DIG PLANTING HOLE WITH DIBBLE OR TROWEL.
4. PLANT PLUG AND FIRM SOIL AROUND PLUG. PLUG MEDIUM MUST BE COVERED WITH SOIL.
3. RESPREAD STRAW AROUND PLUG OR ADD MORE STRAW.
4. PUT COIR STRANDS BACK AROUND PLUG.

NOTES:
USE DIGGING FORK NOT SPADE TO PREVENT GLAZING OF SUBGRADE

PRUNE ONLY TO REMOVE DEAD AND BROKEN BRANCHES.

SET PLANTS PLUMB AND FACE TO GIVE THE BEST APPEARANCE OR RELATIONSHIP TO ADJACENT AREAS.

REMOVE EXCESS SOIL FROM TOP OF ROOT BALL AND SET TOP OF ROOT BALL AT FINISHED GRADE OR 1" TO 2" ABOVE IN POORLY DRAINED SOILS

CUT COIR MAT TO INSERT PLANT, SEE DETAIL. SPREAD STRAW AROUND BASE OF PLANT BEFORE SECURING MAT.

REMOVE BURLAP FROM TOP 1/2 OF ROOT BALL OR WITH CONTAINER PLANTS REMOVE POTS AND LOOSEN ROOTS AS SPECIFIED

PLANTING SOIL

SET PLANT ON UNDISTURBED SUBGRADE

BALLED AND BURLAPPED SHRUBS.

BARE ROOT OR CONTAINER SHRUBS.

SHRUB PLANTING IN GRADED FLOODPLAIN

N.T.S.

TREE PLANTING NOTES:

1. USE DIGGING FORK (NOT SPADE) TO PREVENT GLAZING OF PIT EDGES.
2. SET PLANTS PLUMB, AND FACE TO GIVE BEST APPEARANCE OR RELATIONSHIP TO ADJACENT AREAS.
3. NEVER CUT LEADER. PRUNE ONLY TO REMOVE DEAD OR BROKEN BRANCHES. DO NOT LEAVE CROTCHES OR DOUBLE LEADERS.
4. REMOVE TREE WRAP.

CUT COIR MAT TO INSERT PLANT, SEE DETAIL. SPREAD STRAW AROUND BASE OF PLANT BEFORE SECURING MAT.

REMOVE BURLAP AND/OR WIRE BASKET FROM TOP HALF OF ROOT BALL.

PLANTING SOIL

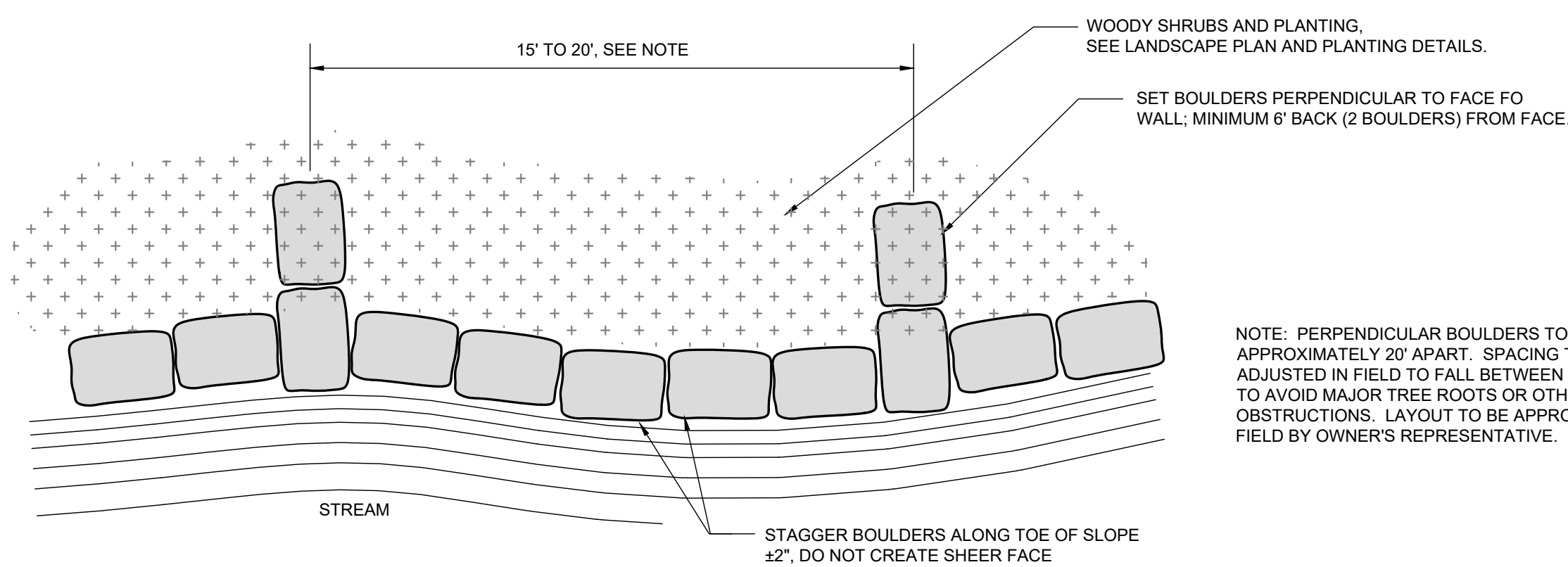
REMOVE EXCESS SOIL FROM TOP OF ROOT BALL SET TOP OF ROOT BALL AT FINISHED GRADE OR 1" TO 2" ABOVE IN POORLY DRAINED SOILS

BREAK DOWN SIDES OF PLANTING PIT WHEN BACKFILLING.

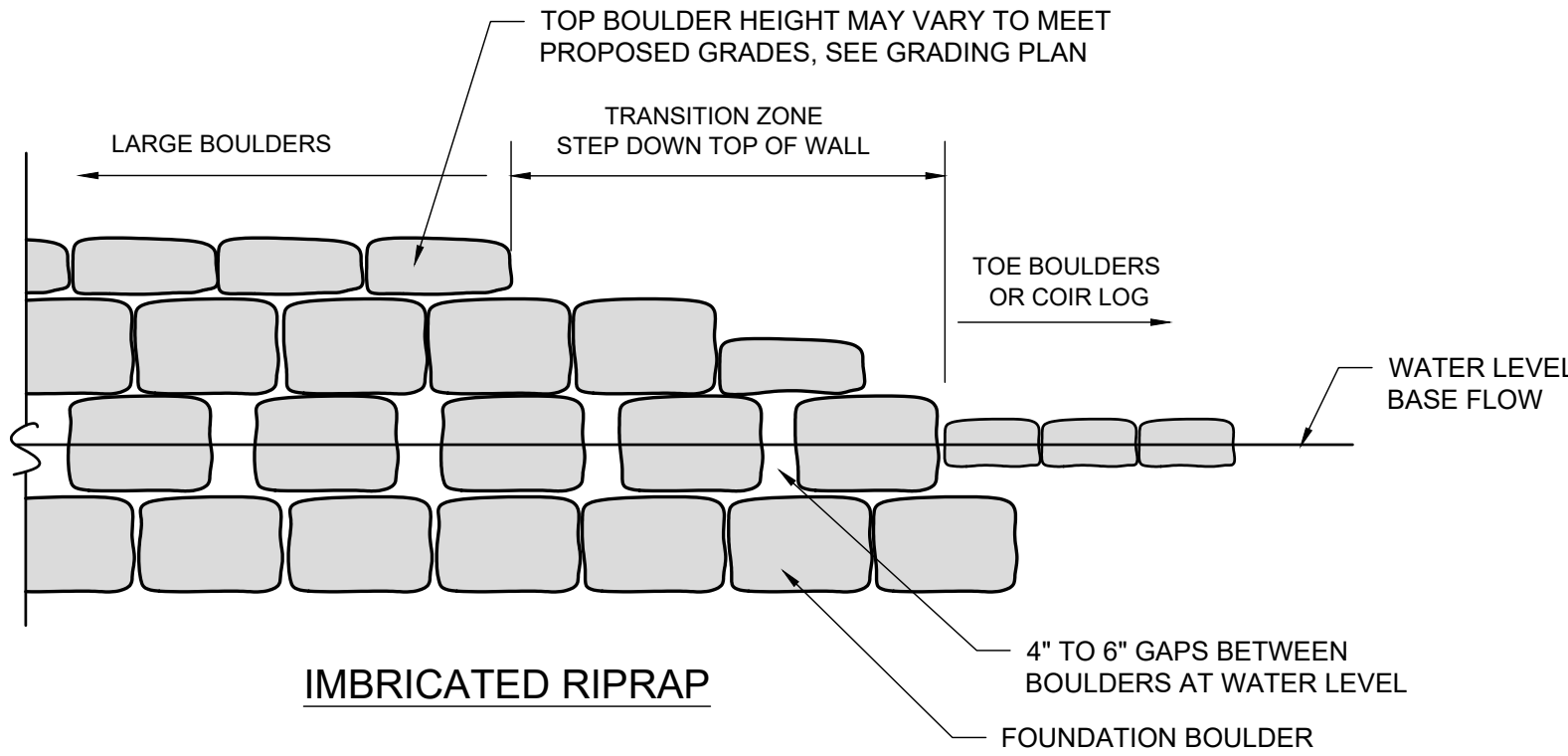
ROOT BALL TO BE PLACED ON UNDISTURBED SUBGRADE

TREE PLANTING IN GRADED FLOODPLAIN

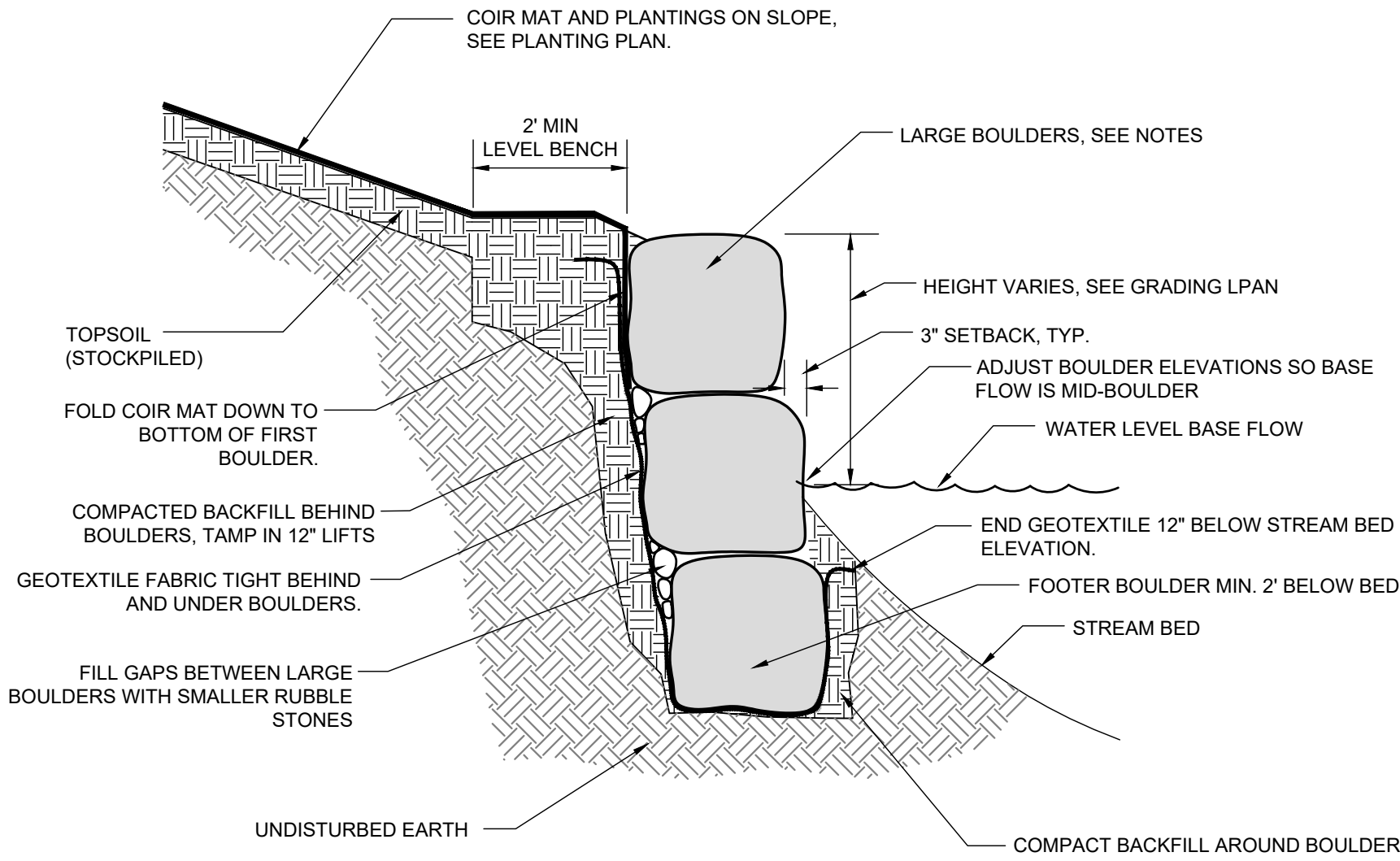
N.T.S.



TYPICAL PLAN VIEW



ELEVATION - WALL HEIGHT TRANSITIONS



SECTION

IMBRICATED RIP RAP INSTALLATION

N.T.S.

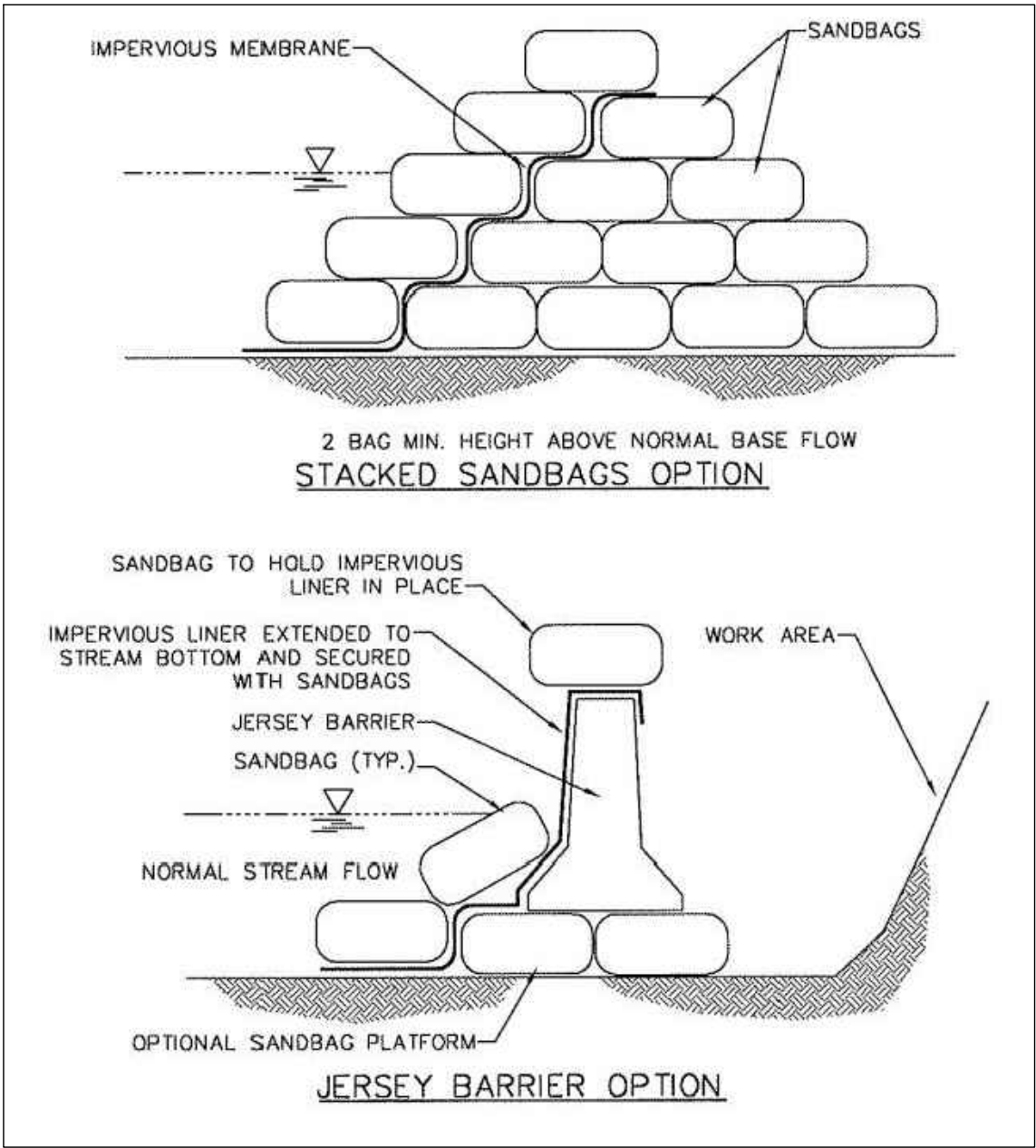
LARGE BOULDER NOTES:

1. NEW BOULDER SIZE: 1' HIGH OR 2' HIGH x 3' LONG x 2' WIDE MINIMUM.
2. BOULDERS TO BE DRY LAID; STACKED FIRMLY AND COMPACTED INTO STREAM BANK.
3. BOULDERS SHOULD BE PLACED LEVEL AND STEP DOWN AT ENDS TO BLEND INTO FINISHED GRADE. MAXIMUM STEP BETWEEN BOULDER TOPS IS 12".

02/14/2024	1	ADDED IMBRICATED RIPRAP DETAILS	LL	JM
DATE	NO.	REVISIONS	BY	APPR.
ASHBRIDGE MEMORIAL PARK STREAM RESTORATION & BANK STABILIZATION 1301 MONTGOMERY AVENUE, BRYN MAWR, PA 19010				
CONSTRUCTION DETAILS — 2				
TOWNSHIP OF LOWER MERION 75 EAST LANCASTER AVENUE ARDMORE, PENNSYLVANIA 19003				
SCALE NTS	OFFICE OF THE TOWNSHIP ENGINEER			APPROVED JAM
DRAWN BY MKH	----- TOWNSHIP ENGINEER -----			SHEET 9 OF 10
DATE 2024-01-15	ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR AND OWNER MUST BE NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.			DRAWING NO. CS-6002

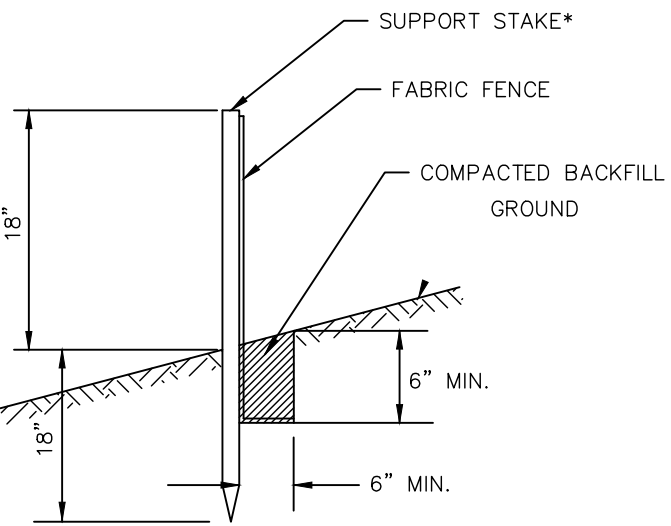
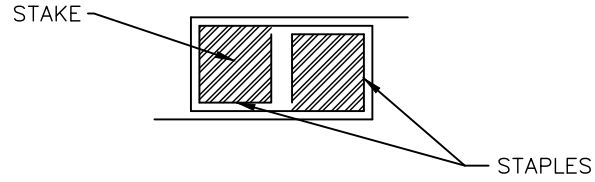


LOWM 093914



DEP STANDARD CONSTRUCTION DETAIL #3-15
SANDBAG DIVERSION DAM OR COFFERDAM

N.T.S.



* STAKES SPACED @ 8" MAXIMUM. USE 2" X 2" WOOD OR EQUIVALENT STEEL STAKES.

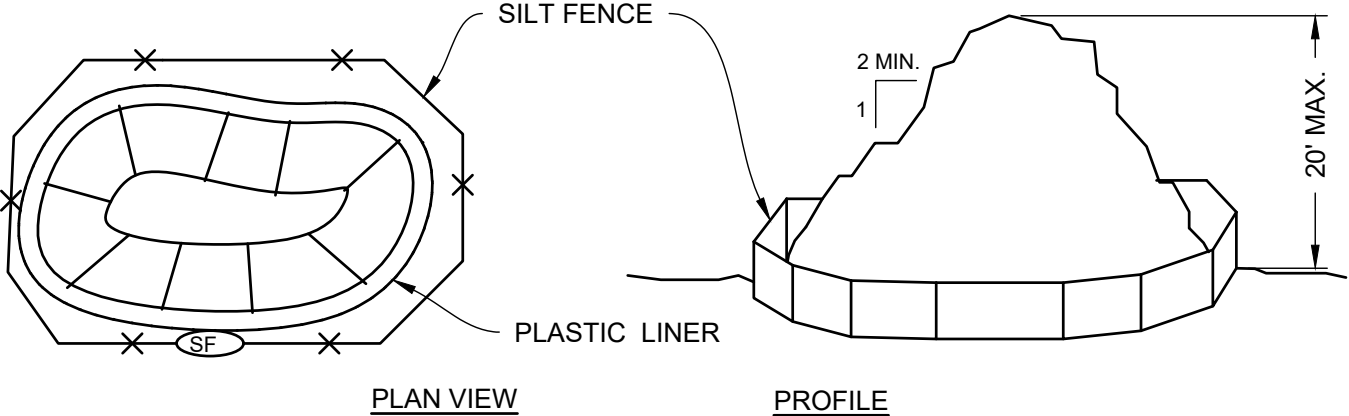
FILTER FABRIC FENCE MUST BE PLACED AT THE EDGE OF THE LIMIT OF DISTURBANCE.

SEDIMENT MUST BE REMOVED WHEN ACCUMULATIONS REACH 1/2 THE ABOVE GROUND HEIGHT OF THE FENCE.

ANY SECTION OF FILTER FABRIC FENCE WHICH HAS BEEN UNDERMINED OR TOPPED MUST BE IMMEDIATELY REPAIRED.

18" FILTER FABRIC FENCE

N.T.S.

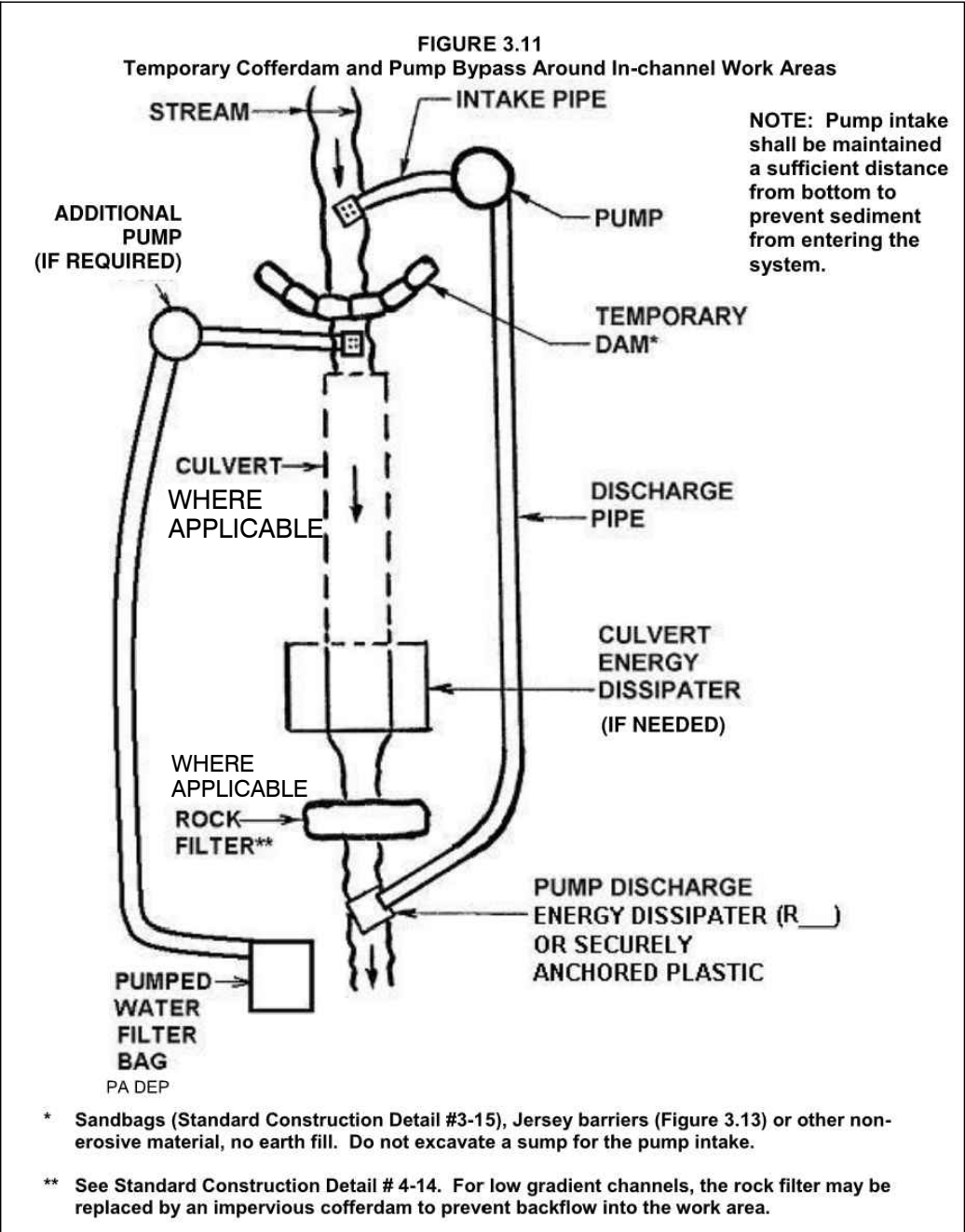


NOTES:

1. SILT FENCE SHALL BE PLACED AROUND THE PERIMETER OF ALL STOCKPILES.
2. IMMEDIATELY APPLY TEMPORARY SEEDING TO ALL STOCKPILES WHICH WILL REMAIN IN PLACE 20 DAYS OR MORE. TEMPORARY SEEDING SHALL BE PER PENNDOT FORM 408, SECTION 804(B)
3. PLASTIC LINER TO BE INSTALLED BELOW TEMPORARY TOPSOIL STOCKPILES FOR SOILS FOUND OR SUSPECTED TO BE CONTAMINATED.

TOPSOIL STOCKPILE DETAIL

N.T.S.

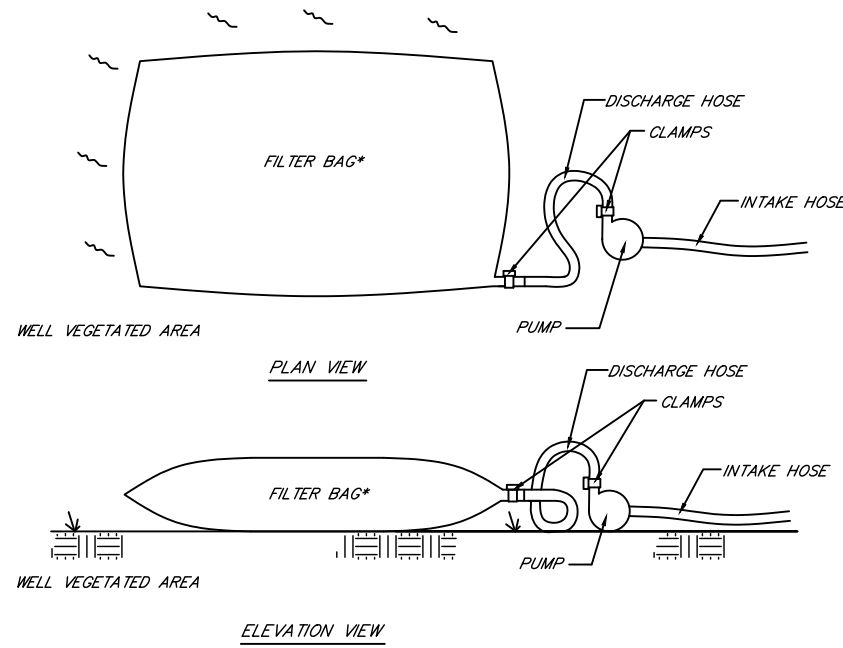


NOTES:

1. STREAM DIVERSION PUMP SHALL BE DRI PUMP 6" Ø CRITICALLY SILENCED OR APPROVED EQUAL.

DEP STANDARD CONSTRUCTION DETAIL #3-11
TEMPORARY COFFERDAM AND PUMP AROUND

N.T.S.

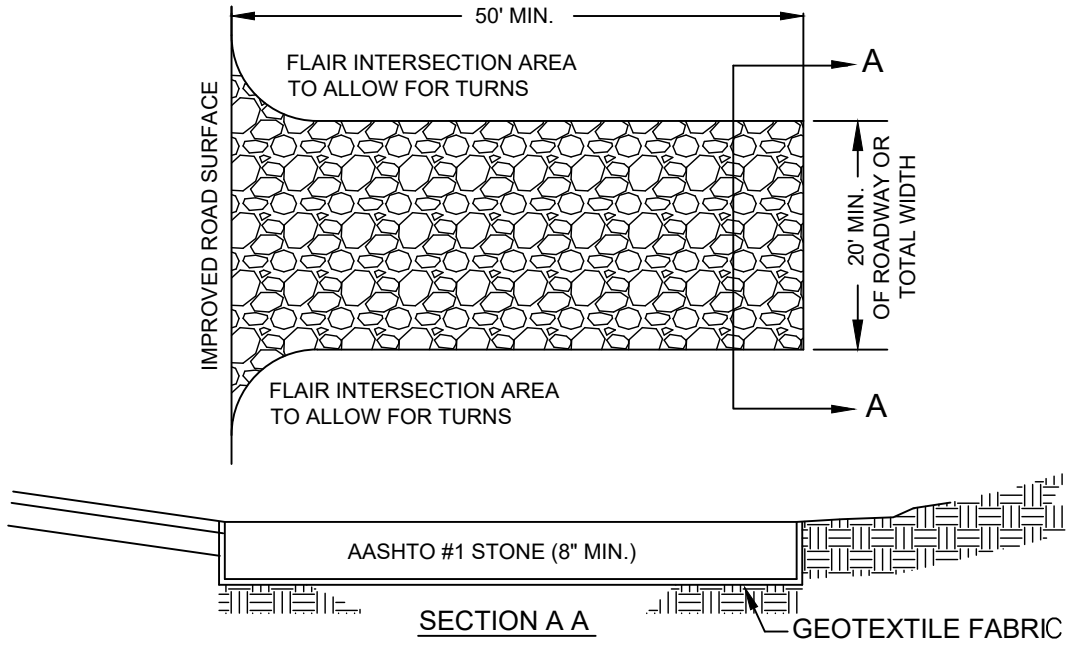


NOTES:

1. * NON-WOVEN GEOTEXTILE FILTER BAG WHICH RETAINS ALL SEDIMENT PARTICLES LARGER THAN 150 MICRONS.
2. PLACE FILTER BAGS ON STABLE OR WELL VEGETATED AREAS WHICH ARE FLATTER THAN 5% AND WHICH WILL NOT ERODE WHEN SUBJECTED TO BAG DISCHARGES.
3. CLAMP PUMP DISCHARGE HOSES SECURELY INTO FILTER BAGS.
4. LIMIT PUMPING RATE TO 1/2 THE MANUFACTURER'S MAXIMUM PUMPING RATE.
5. WHEN SEDIMENTS FILL 1/2 THE VOLUME OF A FILTER BAG, IMMEDIATELY REMOVE THAT BAG FROM SERVICE. PROPERLY DISPOSE OF SPENT BAGS WITH THEIR SEDIMENTS.

SEDIMENT FILTER BAG for PUMPED WATER

N.T.S.



MAINTENANCE NOTE:

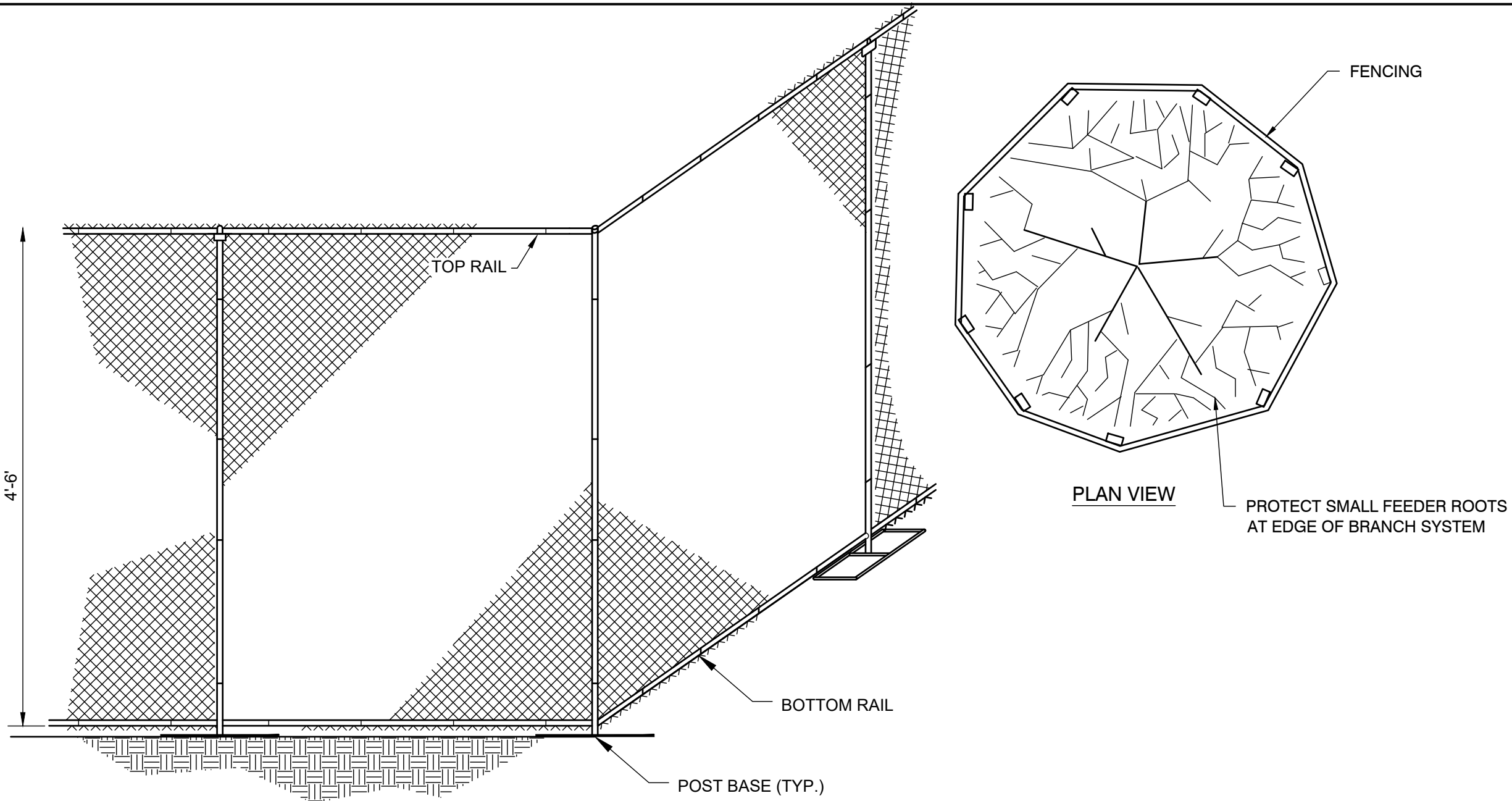
ROCK CONSTRUCTION ENTRANCE THICKNESS SHALL BE CONSTANTLY MAINTAINED TO THE SPECIFIED DIMENSIONS BY ADDING ROCK. ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE REMOVED IMMEDIATELY.

ROCK CONSTRUCTION ENTRANCE

TIRE CLEANING EXIT GRIDS

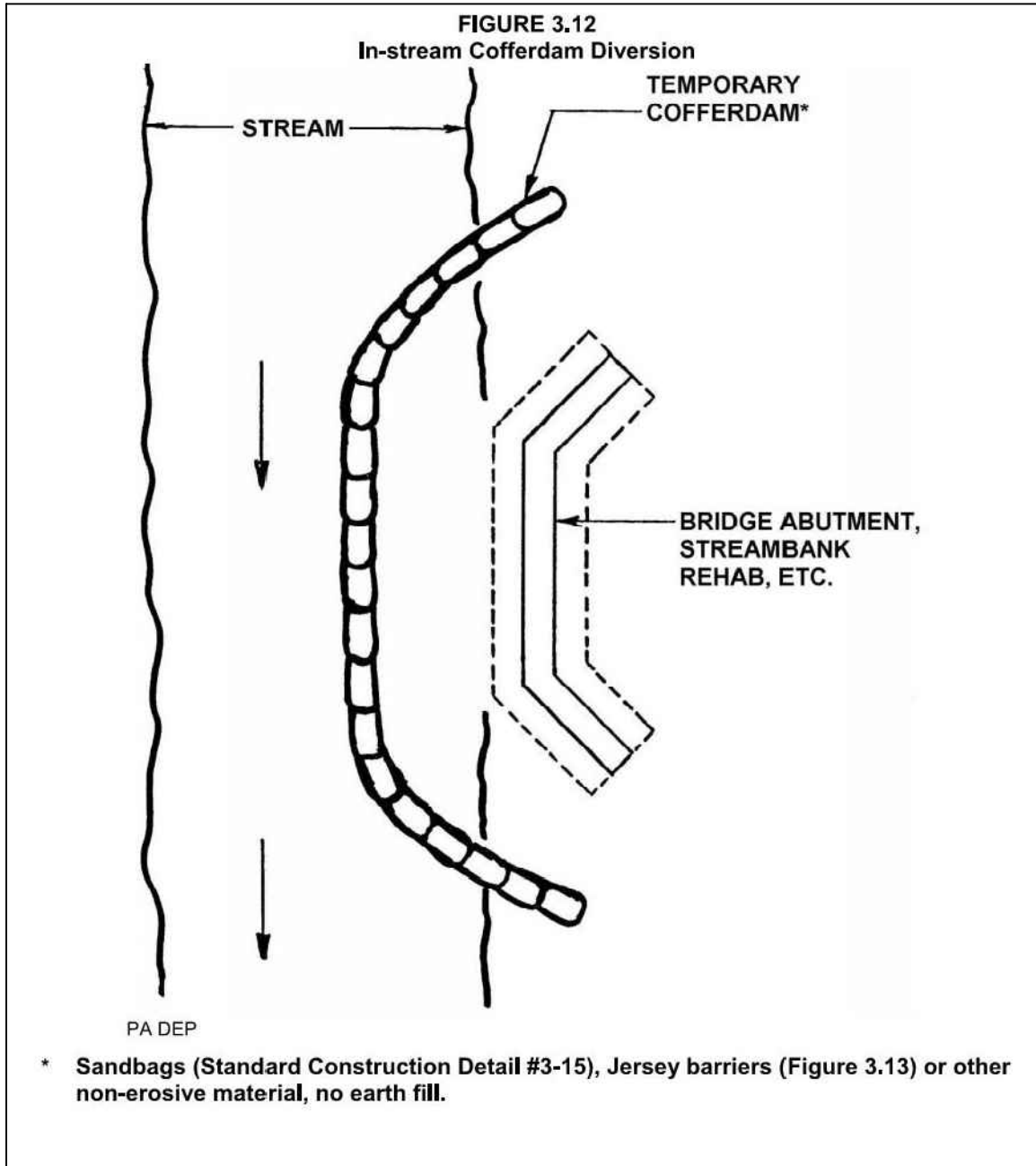
TEMPORARY CONSTRUCTION ENTRANCE

N.T.S.



TREE PROTECTION FENCE

N.T.S.



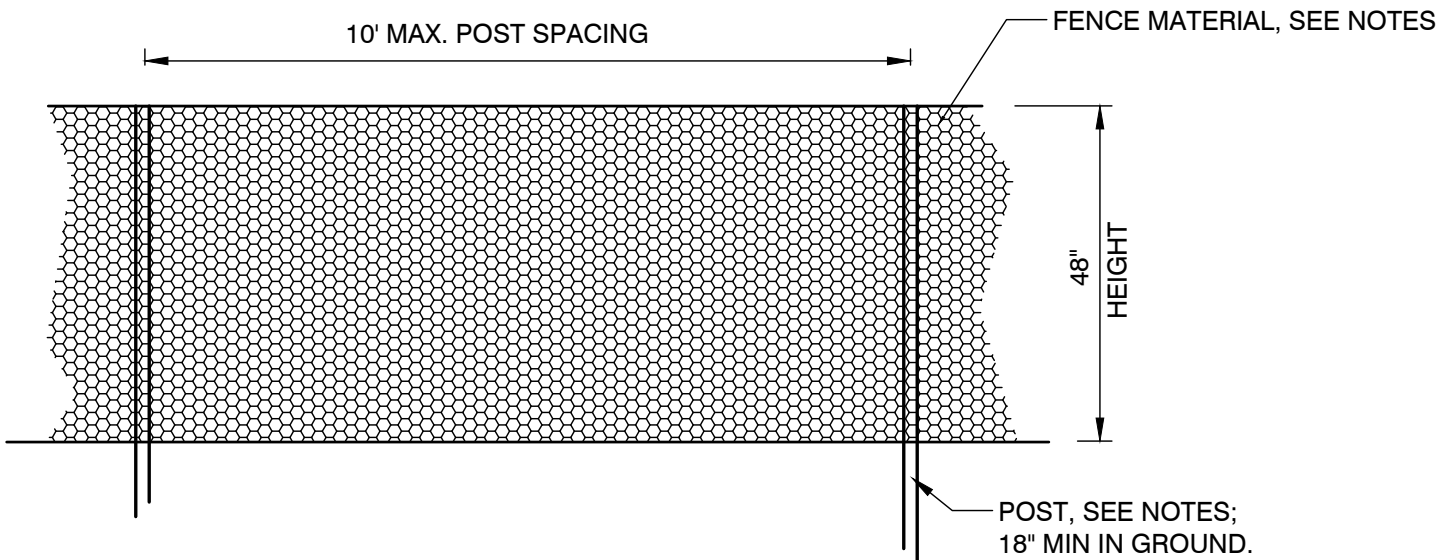
* Sandbags (Standard Construction Detail #3-15), Jersey barriers (Figure 3.13) or other non-erosive material, no earth fill.

IN-STREAM COFFERDAM DIVERSION

N.T.S.

FENCE NOTES:

1. INSTALL FENCING AT THE LOCATIONS AS INDICATED ON THE PLAN.
2. FENCE FABRIC TO BE HEAVY DUTY/HIGH DENSITY POLYETHYLENE FABRIC, ORANGE SAFETY FENCING; MINIMUM TENSILE STRENGTH 350 LBS/FT; DIAMOND MESH 3 1/2' Lx 1/2' W.
3. FENCE POSTS TO BE HEAVY DUTY 13 GAUGE STEEL T-POST, WITH STABILIZING ANCHOR PLATE, 66" TO 72" HEIGHT. INSTALL PLASTIC OR VINYL SAFETY CAP ON ALL POSTS. PROVIDE SELF-SUPPORTING STANCHIONS TO SUPPORT FENCE PLACED ACROSS PARKING AREA PAVING.
4. FENCE FABRIC TO BE ATTACHED TO POSTS AT TOP, BOTTOM AND TWO OTHER POINTS AT 16" SPACING. USE WIRE OR ZIP TIES.
5. SUBMIT PRODUCT INFORMATION ON FABRIC, POSTS, AND CAPS FOR APPROVAL.
6. CONTRACTOR MUST CHECK FENCING EVERY DAY AND REPAIR/REPLACE/REATTACH FABRIC AS REQUIRED.

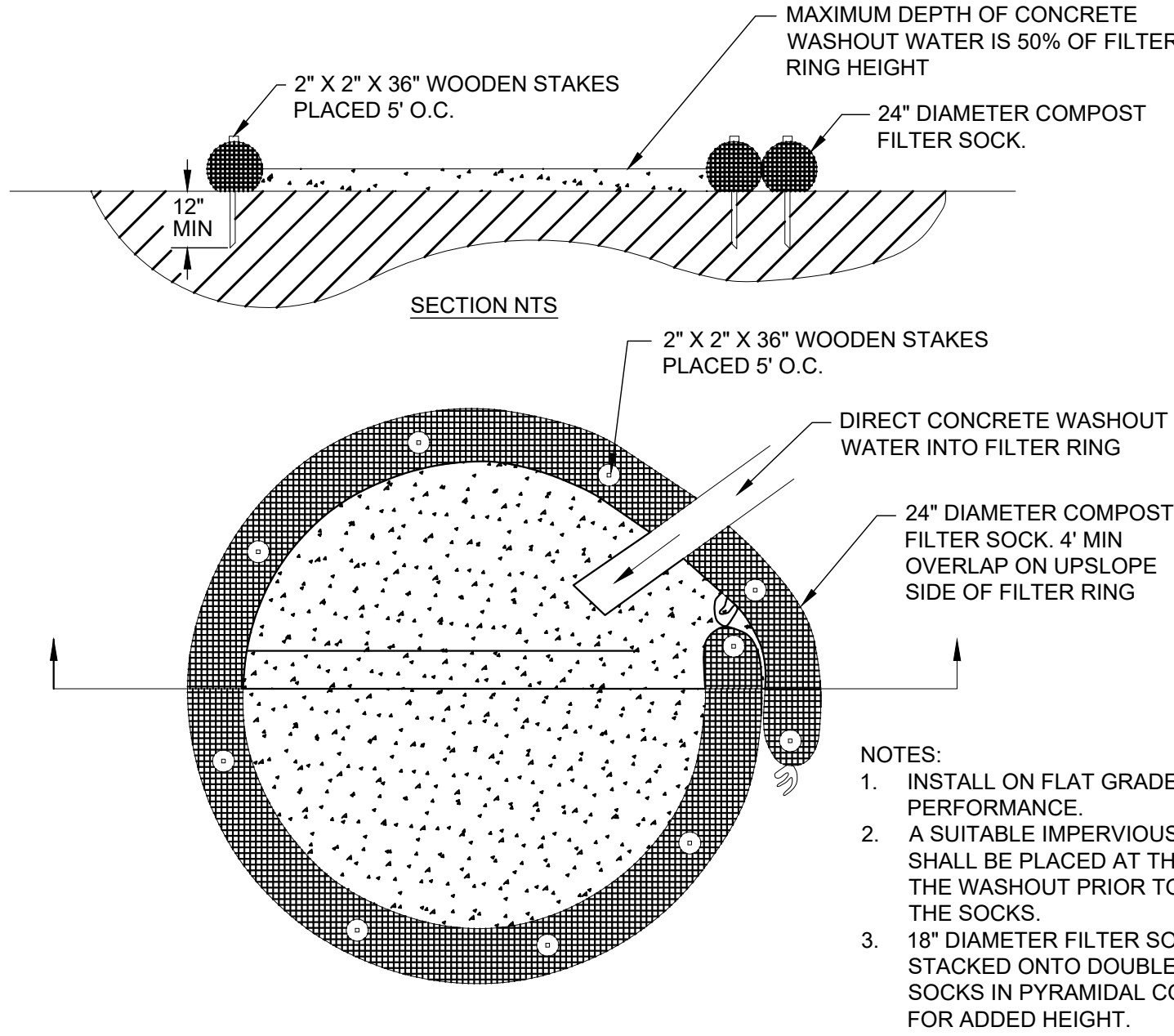


CONSTRUCTION FENCE

N.T.S.

TREE PROTECTION NOTES:

1. TREE PROTECTION SHALL BE CHAIN LINK OR WIRE MESH MATERIAL.
2. SUBMIT SHOP DRAWINGS FOR FENCING FOR APPROVAL.
3. THOSE TREES WHICH ARE WITHIN 25-FEET OF ANY PROPOSED EXCAVATION OR GRADING OPERATION, OR IN ANY OTHER LOCATION AS NOTED ON THE PLAN, SHALL BE PROTECTED BY INSTALLING AND MAINTAINING A FENCE AT THE DRIP LINE OF THE TREE.
4. NO BOARDS OR OTHER MATERIAL SHALL BE NAILED OR ATTACHED TO ANY TREE.
5. HEAVY EQUIPMENT OPERATORS SHALL AVOID DAMAGING EXISTING TREE TRUNKS AND ROOTS. FEEDER ROOTS SHALL NOT BE CUT CLOSER THAN 25-FEET FROM TREE TRUNKS WITHOUT PRIOR APPROVAL.
6. TREE TRUNKS AND EXPOSED ROOTS DAMAGED DURING CONSTRUCTION SHALL BE PROTECTED FROM FURTHER DAMAGE BY BEING TREATED IMMEDIATELY BY AN ARBORIST.
7. TREE LIMBS DAMAGED DURING CONSTRUCTION SHALL BE PROPERLY PRUNED AND TREATED IMMEDIATELY.
8. THE OPERATION OF HEAVY EQUIPMENT OVER ROOT SYSTEMS OF TREES SHALL BE MINIMIZED IN ORDER TO PREVENT SOIL COMPACTION.
9. DAMAGED TREES SHALL BE FERTILIZED TO AID IN RECOVERY. FERTILIZATION TO BE APPROVED BY THE TOWNSHIP ARBORIST.
9. CONSTRUCTION DEBRIS SHALL NOT BE DISPOSED OF NEAR OR AROUND TREES.



PREPAREDNESS PREVENTION AND CONTINGENCY PLAN

IF THERE IS AN ACCIDENTAL DISCHARGE FROM CONSTRUCTION EQUIPMENT, THE CONTRACTOR IS RESPONSIBLE FOR DEPLOYING IMMEDIATE ACTION TO CONTAIN THE DISCHARGE. WHILE CONTAINING THE DISCHARGE THE CONTRACTOR WILL CONTACT A LICENSED AND BONDED FIRM TO CLEANUP AND MITIGATE DISCHARGE.

CONTRACTOR WILL HAVE ON SITE A CONTAINMENT KIT WITH AT LEAST A CONTAINMENT BOOM AND ABSORBENT AT A MINIMUM. THE EMERGENCY CONTACT PHONE NUMBER ARE:

P.A.D.E.P. 24 HOUR RESPONSE PHONE:
(717) 705-4700 E.P.A.

NATIONAL RESPONSE CENTER PHONE:
(800) 424-8802

CONCRETE WASHOUT DETAIL

N.T.S.

02/14/2024	1	ADDED CONCRETE WASHOUT DETAIL	LL	JM
DATE	NO.	REVISIONS	BY	APPR.
ASHBRIDGE MEMORIAL PARK 1301 MONTGOMERY AVENUE LOWER MERION TOWNSHIP, MONTGOMERY COUNTY, PENNSYLVANIA				
EROSION & SEDIMENT CONTROL DETAILS				
TOWNSHIP OF LOWER MERION 75 EAST LANCASTER AVENUE ARDMORE, PENNSYLVANIA 19003				
SCALE 1"=20'	OFFICE OF THE TOWNSHIP ENGINEER		APPROVED JAM	
DRAWN BY DM/LL	TOWNSHIP ENGINEER		SHEET 10 OF 10	
DATE 2024-01-15	ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR AND OWNER MUST BE NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.		DRAWING NO. CS-6003	

