

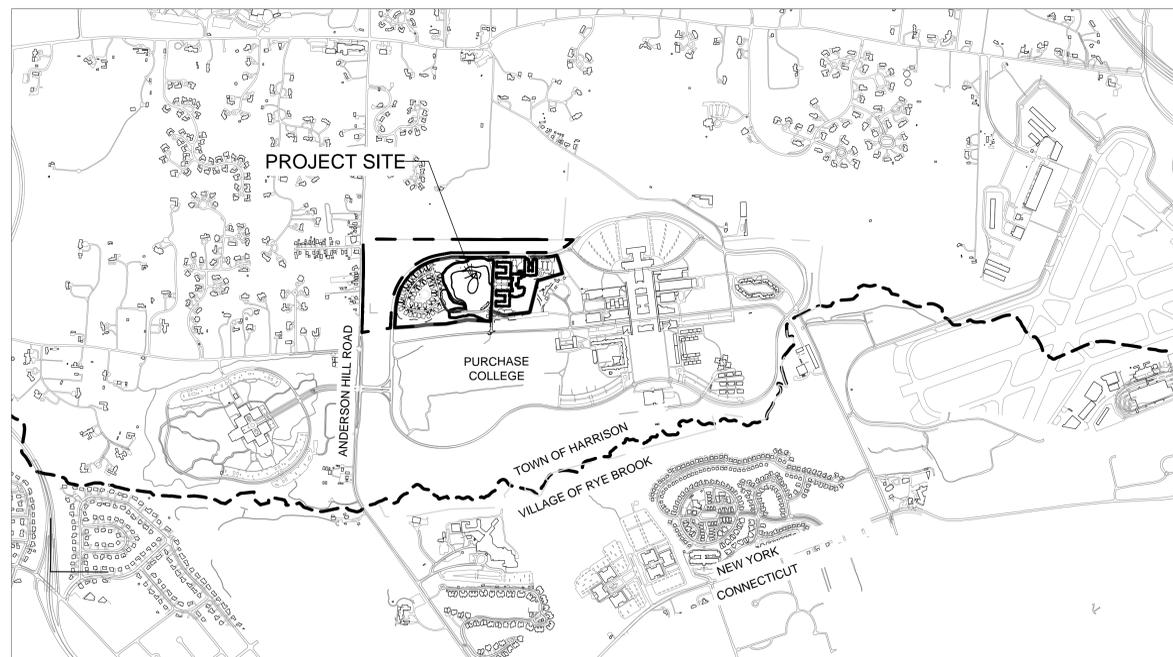
STATE UNIVERSITY OF NEW YORK (SUNY) PURCHASE COLLEGE

735 ANDERSON HILL ROAD
PURCHASE, NEW YORK

LANDFILL CLOSURE WORK PLAN

NYSDEC CASE No. R3-20180627-127
OCTOBER 1, 2020
REVISED JANUARY 20, 2021

LOCATION MAP



LIST OF DRAWINGS

SCALE

CIVIL / SITE

	COVER SHEET.....	1" = 1000'
LC-1.0	GENERAL NOTES & LEGEND	
LC-1.1	EXISTING LANDFILL CONDITIONS.....	1" = 50'
LC-1.2	LANDFILL SAMPLING PLAN.....	1" = 50'
LC-1.3	LANDFILL GAS SAMPLING PLAN.....	1" = 40'
LC-2.0	LANDFILL SITE PREPARATION PLAN.....	1" = 50'
LC-4.0	GRADING & LAYOUT PLAN.....	1" = 40'
LC-4.1	STORM DRAIN PROFILES.....	1" = 40'H / 8'V
LC-5.0	CROSS SECTIONS (SHEET 1).....	1" = 40'H / 8'V
LC-5.1	CROSS SECTIONS (SHEET 2).....	1" = 40'H / 8'V
LC-6.0	LANDFILL CAPPING DETAILS.....	AS SHOWN
LC-6.1	LANDFILL CAPPING DETAILS.....	AS SHOWN
LC-7.1	PLANTING PLAN.....	1" = 40'
LC-7.2	PLANTING DETAILS.....	AS SHOWN

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GENERAL NOTES

1. WORK UNDER THIS CONTRACT CONSISTS OF: DEMOLITION, CLEARING AND GRUBBING, SOIL EROSION & SEDIMENT CONTROL, EARTH EXCAVATION, GRADING, REMOVAL OF EXCESS MATERIAL, EARTH RETENTION, STORM DRAINAGE AND STORMWATER MANAGEMENT FACILITIES, SITE LIGHTING, UTILITY TRENCHING AND INSTALLATION, MAINTENANCE & PROTECTION OF TRAFFIC, SIGNAGE, PAVEMENT MARKING, FENCING, TOPSOILING, SEEDING AND LANDSCAPING.
2. THE TITLE AND TOPOGRAPHIC SURVEY AND THE INFORMATION THEREBY OBTAINED ARE NOT GUARANTEED TO BE ACCURATE OR CORRECT BY THE OWNER, THE ARCHITECT, THE ENGINEER OR ANY OF THE AGENTS OR CONTRACTORS. ALTHOUGH REASONABLE CARE WAS USED IN THE DETERMINATION OF THIS INFORMATION, NO LIABILITY SHALL BE IMPOSED, NOR SHALL ANY CLAIM BY THE CONTRACTOR OR HIS SUB-CONTRACTORS BE ALLOWED FOR DAMAGES OR FOR EXTRA WORK BY REASON OF ANY INCORRECT INFORMATION OR INACCURACIES CONTAINED OR CONVEYED BY SUCH, OR BY REASON OF ANY CONDITIONS ON THE SITE WHICH ARE NOT DISCLOSED THEREBY.
3. THE CONTRACTOR ACKNOWLEDGES THAT THEY ASSUME ALL RISKS CONTINGENT UPON THE NATURE OF THE SUBSURFACE CONDITIONS ACTUALLY ENCOUNTERED IN PERFORMING THE WORK COVERED BY THE CONTRACT. SHOULD THE CONTRACTOR WISH TO PERFORM THEIR OWN SITE INVESTIGATIONS PRIOR TO SUBMITTING THEIR BID, ARRANGEMENTS MUST BE MADE WITH THE OWNER.
4. ALL WORK OF THIS CONTRACT SHALL CONFORM TO THESE CONTRACT DRAWINGS AND SPECIFICATIONS AS WELL AS TO THE APPLICABLE REQUIREMENTS OF THE NYSDEC AS WELL AS THE COGNIZANT PUBLIC UTILITY COMPANIES.
5. ALL PAVEMENT MARKINGS AND ALL TRAFFIC CONTROL SIGNAGE SHALL BE IN ACCORDANCE WITH THE NYSDOT MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION. SEE PROJECT SPECIFICATIONS FOR MORE DETAIL.
6. WORK OF THIS CONTRACT NOT SPECIFIED EITHER ON THE PLANS OR IN THE PROJECT TECHNICAL SPECIFICATIONS SHALL CONFORM TO THE NYS DEPT. OF TRANSPORTATION CONSTRUCTION STANDARDS SET FORTH IN ITS "STANDARD SPECIFICATIONS, CONSTRUCTION AND MATERIALS" MANUAL PUBLISHED BY THE NYSDOT DESIGN AND CONSTRUCTION DIVISION, DATED MAY 1, 2008 INCLUDING ALL LATEST AMENDMENTS THERETO.
7. ALL PROJECT RELATED LINES AND GRADES ARE TO BE ESTABLISHED BY A LICENSED SURVEYOR REGISTERED TO PRACTICE IN THE STATE OF NEW YORK. THE OWNER WILL PROVIDE (2) HORIZONTAL AND VERTICAL BENCH MARKS.
8. LOCATIONS, ELEVATIONS, INVERTS AND SIZES OF EXISTING UTILITY LINES SHOWN ON THE PLANS ARE TO BE VERIFIED IN THE FIELD BY CAREFUL TEST EXCAVATIONS BY THE CONTRACTOR PRIOR TO STARTING THE WORK. ANY SUBSTANTIVE VARIATIONS FROM THE SURVEY DATA PROVIDED ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT OR ENGINEER SO THAT APPROPRIATE DESIGN MODIFICATIONS MAY BE MADE. OTHER UTILITIES NOT SHOWN ON THESE PLANS MAY BE ENCOUNTERED IN THE FIELD. THE CONTRACTOR SHALL AT HIS OWN EXPENSE REPAIR OR REPLACE ANY STRUCTURES OR UTILITIES THAT IS DAMAGED DURING THE COURSE OF CONSTRUCTION AND SHALL CONSTANTLY PROCEED WITH CAUTION TO PREVENT UNDUJE DAMAGE TO THE UTILITY AND POTENTIAL INTERRUPTION OF SERVICE.
9. EXISTING DRAINAGE AND UTILITY SYSTEMS ARE TO REMAIN IN SERVICE AT ALL TIMES. THEREFORE, THE CONTRACTOR SHALL TAKE CARE NOT TO DAMAGE EXISTING DRAINAGE OR UTILITY SYSTEMS WITHIN OR ADJACENT TO THE WORK SHOWN ON THESE DRAWINGS TO REMAIN. ANY DAMAGE CAUSED BY THE CONTRACTOR'S OPERATIONS SHALL IMMEDIATELY BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE AND TO THE SATISFACTION OF THE OWNER OR UTILITY COMPANY INVOLVED.
10. IF TEMPORARY UTILITY SERVICES ARE REQUIRED, THE CONTRACTOR SHALL SEE TO IT THAT THEY ARE PROVIDED AT NO ADDITIONAL COST TO THE OWNER, AND SHALL BE RESPONSIBLE FOR MAINTAINING SUCH TEMPORARY FACILITIES FOR THE DURATION OF THE CONTRACT WORK.
11. THE CONTRACTOR SHALL VERIFY IN THE FIELD, IN THE PRESENCE OF THE ENGINEER OR OWNER'S REPRESENTATIVE THE LOCATION OF ALL WORK COVERED BY THIS CONTRACT PRIOR TO THE START OF CONSTRUCTION IN ORDER TO ASSURE THAT UNNECESSARY PAVEMENT, TREE OR VEGETATION REMOVAL ARE AVOIDED. WORK SHALL NOT START UNTIL THIS FIELD VERIFICATION HAS BEEN MADE AND APPROVAL TO COMMENCE HAS BEEN OBTAINED FROM THE ENGINEER OR OWNER'S REPRESENTATIVE.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF ALL TRADES REQUIRED BY THE CONTRACT WORK AND SHALL OBTAIN ALL REQUIRED BONDS, PERMITS, ETC. REQUIRED FOR THE EXECUTION OF THE WORK AND CONFORM THE WORK WITH ALL APPLICABLE CODES, RULES AND REGULATIONS OF THE GOVERNING AGENCIES. THE CONTRACTOR IN ACCORDANCE WITH NEW YORK STATE LAW (CODE RULE 53) SHALL BE RESPONSIBLE FOR NOTIFYING THE APPROPRIATE UTILITY COMPANY OR AGENCY PRIOR TO COMMENCING ANY EXCAVATION WORK AND SHALL NOTIFY THE "CALL BEFORE YOU DIG" HOTLINE @ 1-800-962-7962 PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITIES. AGENCIES SHALL BE GIVEN SEVENTY-TWO (72) HOURS ADVANCE NOTIFICATION PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITIES. CONTRACTOR WILL HIRE A UTILITY SURVEY COMPANY AT THEIR OWN EXPENSE TO SURVEY FOR ANY PRIVATE LINES, PIPES, CONDUITS ETC. WHICH ARE NOT IDENTIFIED BY PUBLIC UTILITY MARK-OUT. NO COMPENSATION FOR DAMAGE TO EXISTING LINE IF NOT PROPERLY SURVEYED BY CONTRACTOR.
13. THE CONTRACTORS ATTENTION IS DIRECTED TO THE FACT THAT OTHER CONTRACTORS MAY BE WORKING IN THE AREA ON OTHER CONSTRUCTION CONTRACTS LET BY THE OWNER AT THE SAME TIME THAT WORK IS PERFORMED UNDER THIS CONTRACT. THE CONTRACTOR SHALL BE AWARE OF THE NATURE AND EXTENT OF THIS OTHER WORK AND SHALL SCHEDULE AND CONDUCT HIS OPERATIONS SO THAT THERE WILL BE NO CONFLICT IN THE WORK.
14. SAFE AND ADEQUATE PEDESTRIAN AND VEHICULAR TRAFFIC FLOW SHALL BE MAINTAINED AT ALL TIMES TO THE EXISTING AND ADJACENT BUILDINGS WHILE THE WORK IS PROGRESSING. THE CONTRACTOR SHALL SUBMIT FOR APPROVAL OF THE OWNER A CONSTRUCTION SEQUENCE SCHEDULE AND PLAN FOR PEDESTRIAN AND VEHICULAR TRAFFIC FLOW.
15. ALL UNPAVED AREAS WITHIN THE WORK AREAS AND ALL AREAS DISTURBED DURING CONSTRUCTION ARE TO BE STABILIZED IN ACCORDANCE WITH THE NYSDEC APPROVED STORMWATER POLLUTION PREVENTION PLAN. UNLESS OTHERWISE SPECIFIED BY THE OWNER, TURFED AREAS, DISTURBED BY REGRADING AND OTHER WORK OF CONTRACTOR, SHALL BE BROUGHT TO THE PROPER SUBGRADE ELEVATION, TOPSOIL TO A MINIMUM DEPTH OF 4 INCHES SHALL BE PLACED AND LIMING, FERTILIZING AND SEEDING ACCOMPLISHED, AS SPECIFIED. THE CONTRACTOR SHALL WATER AND MAINTAIN THE SEEDED AREAS UNTIL THEY HAVE BECOME WELL ESTABLISHED.
16. EXISTING PAVEMENT WHICH IS TO REMAIN AND WHICH IS REMOVED OR DAMAGED DURING THE CONSTRUCTION WORK OF THIS CONTRACT IS TO BE RESTORED TO ITS ORIGINAL CONDITION OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
17. THE CONTRACTOR SHALL ARRANGE FOR DISPOSAL OF ALL DEMOLITION DEBRIS, CLEARED AND GRUBBED MATERIAL, DEMOLISHED PAVEMENT AND MISCELLANEOUS UNSUITABLE MATERIAL RESULTING FROM THE OPERATIONS OF THIS CONTRACT, AT OFFSITE LOCATIONS, OR AS OTHERWISE DIRECTED BY THE OWNER. NO TREE STUMPS OR OTHER ORGANIC MATTER SHALL BE BURIED ON THE SITE.
18. UNLESS SPECIFICALLY SHOWN OR DIRECTED TO BE REMOVED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING AGAINST DAMAGE TO ANY EXISTING TREES 4 INCH CALIPER AND GREATER IN THE AREA OF HIS CONSTRUCTION OPERATIONS. ANY SUCH PLANT MATERIAL NOT SO PROTECTED AND MAINTAINED SHALL BE REPLACED WITH NEW PLANT MATERIAL OF SIMILAR CALIPER OR AS DIRECTED BY THE OWNER AT THE BEGINNING OF THE FIRST GROWING SEASON WHICH FOLLOWS. EXISTING TREES IN AREAS TO BE GRADED SHALL BE RELOCATED AND MAINTAINED, TEMPORARILY, AND TRANSPLANTED UPON COMPLETION OF THE WORK AS DIRECTED THE OWNER. DAMAGE TO OTHER PLANTS SHALL BE REPLACED AT THE DISCRETION OF THE OWNER.
19. UNLESS OTHERWISE SHOWN HEREON OR DIRECTED BY THE OWNER'S REPRESENTATIVE OR ENGINEER, THE CONTRACTOR SHALL MATCH THE MATERIALS, TYPES, THICKNESS AND QUALITY OF EXISTING BITUMINOUS CONCRETE PAVEMENTS, WALKWAYS AND CURBS WHICH ARE TO BE REPLACED.
20. AT NO TIME SHALL ANY EXCAVATED AREAS BE LEFT UNATTENDED UNLESS APPROPRIATE MARKING AND BARRICADING IS EMPLOYED.
21. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING ALL EXISTING UTILITY VALVES, MANHOLE FRAMES, COVERS, RIMS, INVERTS AND HYDRANTS TO MEET NEW FINISH GRADE OR AS OTHERWISE REQUIRED TO FUNCTION PROPERLY.
22. DURING THE COURSE OF THE WORK, THE CONTRACTOR SHALL MAINTAIN AN ACCURATE RECORD OF ANY AND ALL CHANGES RELATED TO FIELD CONDITIONS, INCLUDING AREAS OF ROCK EXCAVATION. UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL FILE WITH THE OWNER A COMPLETE SET OF "AS CONSTRUCTED" DRAWINGS PREPARED BY A NYS LICENSED LAND SURVEYOR SHOWING AND LOCATING ALL FEATURES OF THE WORK AS INSTALLED.
23. SINCE THIS PROJECT INVOLVES CONSTRUCTION ADJACENT TO AN ACTIVE ROADWAY, IT IS IMPERATIVE THAT THE CONSTRUCTION BE CARRIED FORTH IN SUCH A MANNER AS TO INSURE THAT PROPER TRAFFIC FLOW IS MAINTAINED DURING CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE MAINTENANCE AND PROTECTION OF TRAFFIC IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND/OR THE PLANS.
24. THE CONTRACTOR IS RESPONSIBLE FOR THE REPLACEMENT AND RESTORATION OF ALL NATURAL AND MANMADE FEATURES WHETHER SHOWN ON THE PLANS OR ENCOUNTERED IN THE FIELD. IT IS THE INTENTION OF THE PLAN TO SHOW ONLY MAJOR FEATURES TO BE PROTECTED, RESTORED OR REPLACED.
25. TOPSOIL SHALL BE PLACED AND AREAS SHALL BE SEEDDED AS SOON AS FINAL GRADES ARE ESTABLISHED ON PERMANENT SLOPES. SLOPES SHALL ALSO BE MULCHED.
26. ALL DISTURBED AREAS IN PUBLIC R.O.W. SHALL BE REGRADED, TOPSOILED, SEEDDED AND MULCHED.
27. PRIOR TO ANY SITE WORK, A CLEARING AND GRADING STAKEOUT SKETCH PREPARED BY A LICENSED PROFESSIONAL LAND SURVEYOR, THE STAKEOUT SKETCH SHALL BE USED TO CLEARLY IDENTIFY THE LIMITS OF DISTURBANCE AND TO ESTABLISH ALL EROSION CONTROLS.
28. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, AN OWNER OR OPERATOR SHALL HAVE EACH CONTRACTOR AND SUBCONTRACTOR THAT HAS BEEN IDENTIFIED AS BEING RESPONSIBLE FOR IMPLEMENTATION OF THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) IDENTIFY AT LEAST ONE EMPLOYEE FROM THEIR COMPANY (TRAINED CONTRACTOR) THAT HAS RECEIVED 4 HOURS OF ENDORSED E83C TRAINING. THE TRAINED CONTRACTOR MUST BE ON SITE ON A DAILY BASIS WHEN SOIL DISTURBANCE ACTIVITIES ARE BEING PERFORMED AND WILL BE RESPONSIBLE FOR IMPLEMENTATION OF THE PRACTICES INCLUDED IN THE SWPPP.
29. AN OWNER OR OPERATOR OF A REGULATED CONSTRUCTION PROJECT, WITH SOME EXCEPTIONS, SHALL HAVE A QUALIFIED INSPECTOR CONDUCT SPECIFIC SITE INSPECTIONS. CERTAIN QUALIFIED INSPECTORS WHO WORK ON THESE SITES (I.E. INDIVIDUALS WORKING UNDER DIRECT SUPERVISION OF AND AT THE SAME COMPANY AS A LICENSED PROFESSIONAL ENGINEER OR REGISTERED LANDSCAPE ARCHITECT OF NYS) ARE REQUIRED TO COMPLETE 4 HOURS OF E83C TRAINING UNDER THE GENERAL PERMIT.
30. AT THE COMPLETION OF CONSTRUCTION (NOT PRIOR TO FINAL STABILIZATION INCLUDING PAVEMENT RESTORATION) ALL CATCH BASINS, DRAIN INLETS, MANHOLES, STORMWATER INFRASTRUCTURE, AND STORM CHAMBERS SHALL BE FLUSHED, VACUUMED, AND CLEANED OF ALL DEBRIS.
31. A COMPREHENSIVE AS-BUILT SURVEY SHALL BE SUBMITTED UPON COMPLETION OF THE PROJECT. THE SURVEY SHALL CONFORM TO ALL STANDARDS, ALL EASEMENTS, UTILITIES, RIMS, INVERTS, SURFACE IMPROVEMENTS (INCLUDING STRIPING) SHALL BE SUBMITTED TO THE OWNER'S REPRESENTATIVE. A DIGITAL COPY IN BOTH PDF AND DWG FORMAT IN THE NYS STATE PLANE NAD-83 AND NAVD-88 DATUM SHALL BE SUBMITTED.

LANDFILL CAP NOTES:

1. THE FINAL LANDFILL COVER WILL CONSIST OF A LANDSCAPED AREA THAT IS FORMED BY 2 FEET OF SOIL CAP THAT MEET THE RESIDENTIAL SCD (TABLE 375-6.8(B)). THE TOP 6 INCHES OF THE SOIL CAP WILL BE OF QUALITY THAT IS SUITABLE FOR VEGETATION GROWTH.
2. ALL FINAL SLOPE SURFACES WILL BE VEGETATED IN ORDER TO PROVIDE ADEQUATE SOIL-SEED CONTACT TO ENHANCE SEED GERMINATION, ENHANCE PLANT ROOT PENETRATION AND DEVELOPMENT, RETARD SOIL EROSION, AND IMPROVE WATER AVAILABILITY WITHIN THE ROOT ZONE.
3. THE EXISTING DREGED MATERIAL (DM), WHICH WAS FOUND COMPLIANT WITH THE RESIDENTIAL SCD (PART 375-6.8(B)) DURING THE MAY 2020 SAMPLING (REPORTED TO THE NYSDEC IN A LETTER DATED JULY 31, 2020), WILL BE USED TO CONSTRUCT THE 2-FOOT SOIL CAP. AMENDMENTS MAY BE ADDED TO RENDER THE TOP 6-INCHES SUITABLE FOR USE AS TOP SOIL TO ENHANCE VEGETATION GROWTH.

LEGEND

-  DREGDED MATERIAL (ORGANIC FINE GRAINED SOIL DREGDED FROM POND)
-  CONSTRUCTION & DEMOLITION DEBRIS (CONCRETE, MASONRY DEBRIS, WOOD, SOIL, PAPER, METAL)
-  EXCEEDED NYSDEC RSCO
-  NO EXCEEDANCES TO NYSDEC RSCO
-  WETLANDS
-  PROPERTY LINE
-  ORANGE CONSTRUCTION FENCE
-  TEMPORARY ACCESS ROUTE
-  STABILIZED CONSTRUCTION ENTRANCE
-  SILT FENCE

**SUNY
Purchase College
LANDFILL CLOSURE
WORK PLAN**

Purchase, New York

NYSDEC CASE No. R3-20180627-127

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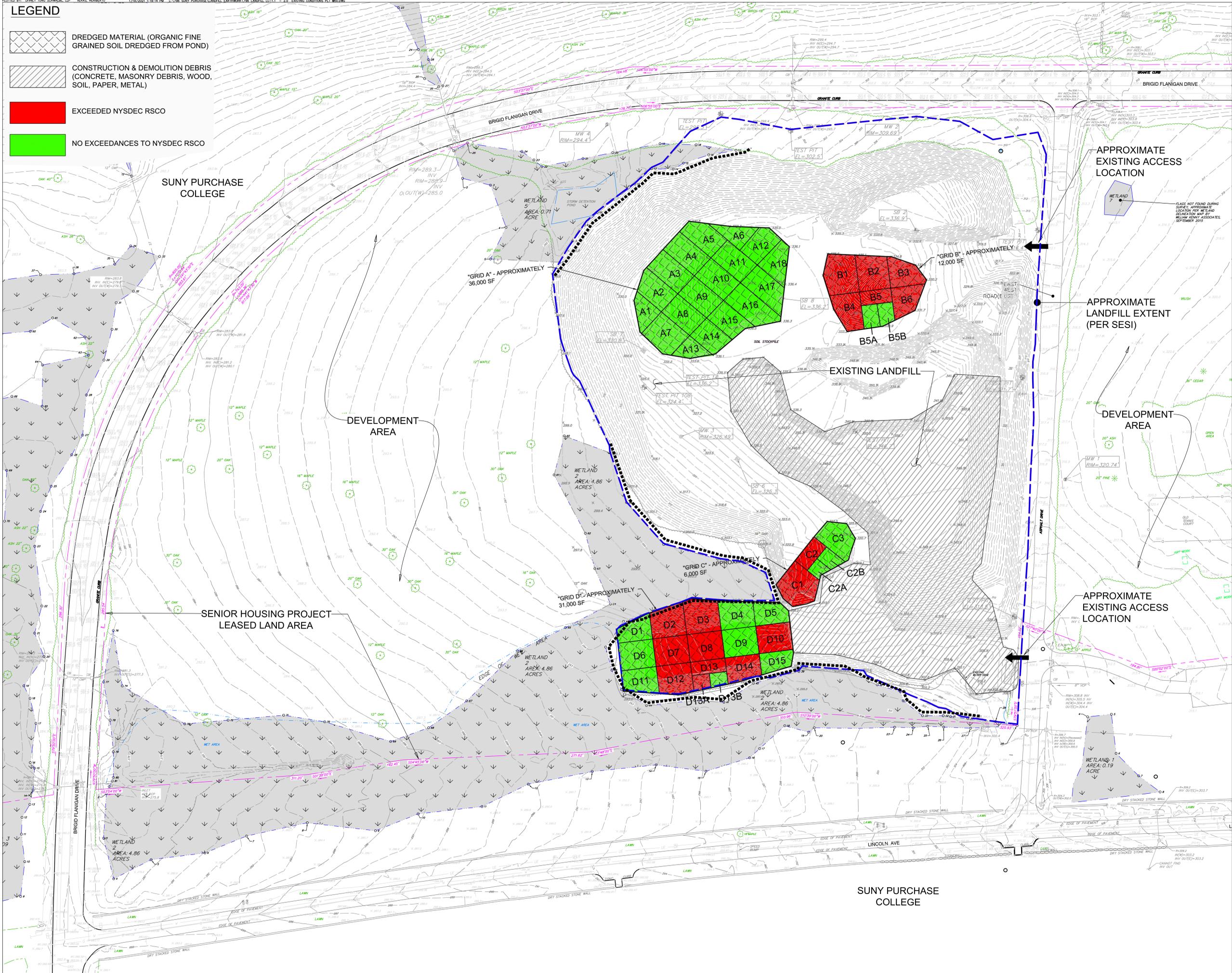
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	1	01/20/21	PER NYSDEC COMMENTS

**GENERAL NOTES
AND
LEGEND**

	DRAWN BY: MJS/RCC	CHECKED BY: GMS
	PROJECT NO. 796	DATE: 10/01/20
	DRAWING NO. LC-1.0	

LEGEND

-  DREDGED MATERIAL (ORGANIC FINE GRAINED SOIL DREDGED FROM POND)
-  CONSTRUCTION & DEMOLITION DEBRIS (CONCRETE, MASONRY DEBRIS, WOOD, SOIL, PAPER, METAL)
-  EXCEEDED NYSDEC RSCO
-  NO EXCEEDANCES TO NYSDEC RSCO



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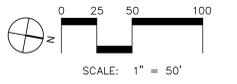
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DRAWING TITLE:
EXISTING LANDFILL CONDITIONS

DRAWN BY: MJS/RCC
CHECKED BY: GMS

PROJECT NO.: 796
DATE: 10/01/20

DRAWING NO.: LC-1.1



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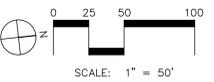
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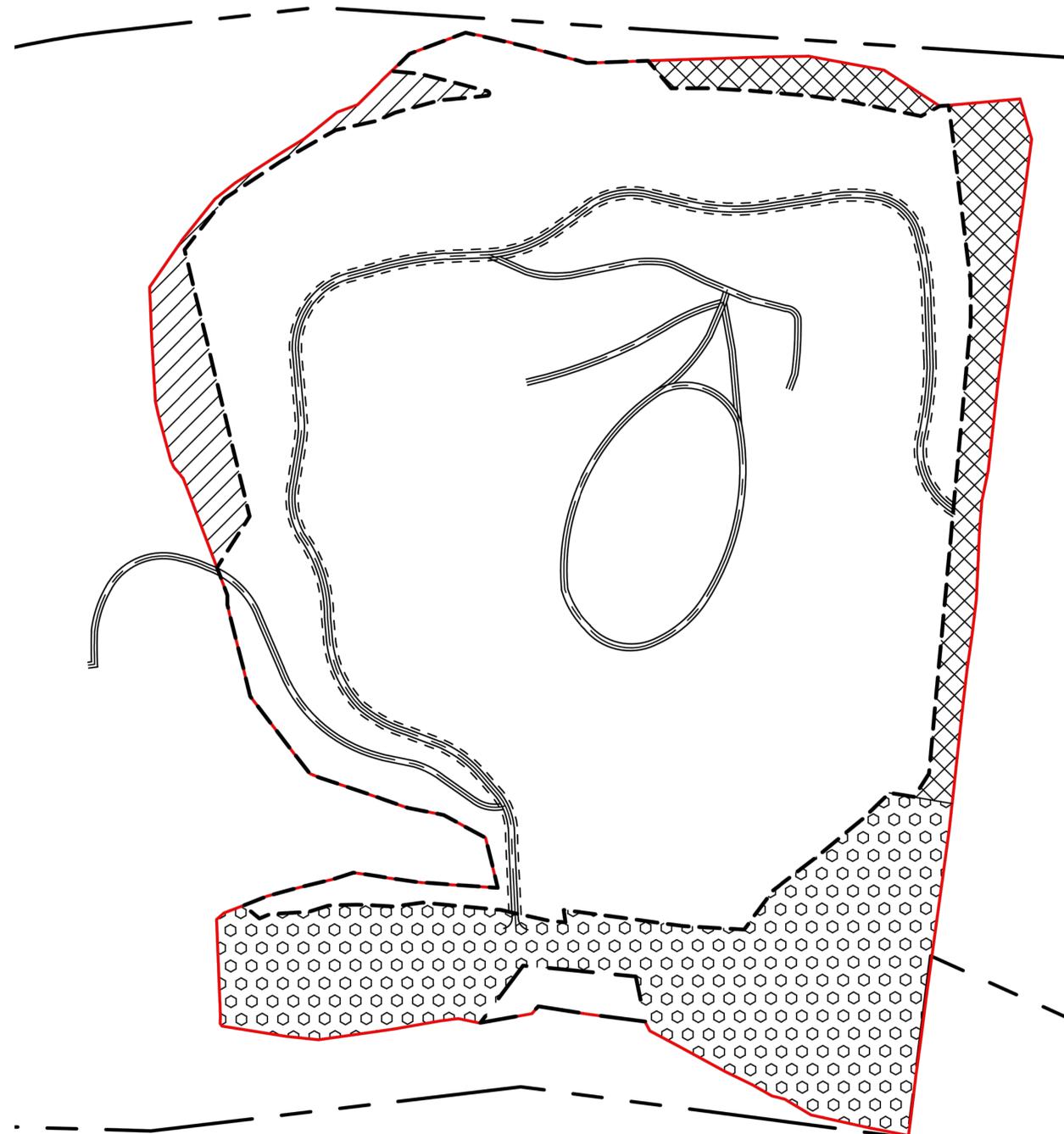
- LEGEND:**
- EAST SECTION
 - NORTH SECTION
 - SOUTH SECTION
 - PROPERTY LINE
 - EXISTING LAND FILL BOUNDARY
 - PROPOSED LANDFILL BOUNDARY



	North Section	East Section	South Section
Square Footage	25,660 SF	74,428 SF	14,837 SF
Total Number of Samples	3	8	2

NOTES:

- SAMPLE FREQUENCY IN ACCORDANCE WITH APPROVED LFCWP DATED MAY 2018 - ONE PER 10,000 SF (100'x100') GRID
- ALL SAMPLES SHOULD BE SAMPLED FOR TCL/TAL +30 ANALYSIS
- IF ANY SAMPLE EXCEEDS THE RESIDENTIAL SCO (PART 375-6.8(b)), ADDITIONAL EXCAVATION WILL CONTINUE UNTIL RESIDENTIAL STANDARDS HAVE BEEN MET



DRAWING TITLE:

**LANDFILL
SAMPLING PLAN**

	DRAWN BY: SESI	CHECKED BY: SESI
	PROJECT NO. 9065B	DATE: 10/01/20
	DRAWING NO. LC-1.2	

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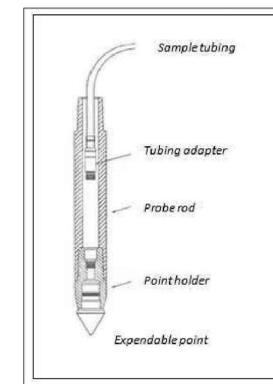
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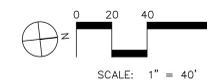
SURVEYOR
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21 Fox Street
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WETLAND CONSULTANT
WILLIAM KENNY ASSOCIATES LLC
195 Turnxis Hill Cutoff South
Fairfield, CT 06825



SOIL VAPOR POINT DETAIL
N.T.S.



LEGEND:

● - LFG SAMPLING POINT

NOTES:

- TEMPORARY SOIL VAPOR PROBE TO BE INSTALLED EVERY 100 FEET TO DEPTH OF UTILITY ALONG ELECTRICAL CONDUIT WITHIN LANDFILL AREA.
- LFG WILL BE SCREENED USING GEM 2000 LANDFILL GAS ANALYZER.
- METHANE LEVELS TO BE REPORTED AS PERCENT OF LEL.



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**LANDFILL
GAS SAMPLING
PLAN**


 DRAWN BY: SESI
 CHECKED BY: SESI
 PROJECT NO.: 9065B
 DATE: 10/01/20
 DRAWING NO.:
LC-1.3



GRADING NOTES:

1. MAXIMUM SLOPE WITH LANDFILL AREA SHALL NOT EXCEED 33% AND NO SLOPE SHALL BE LESS THAN 4%.
2. PAVED WALKS SHALL NOT EXCEED 5.0%

SUNY
Purchase College
LANDFILL CLOSURE
WORK PLAN
Purchase, New York

NYSDEC CASE No. R3-20180627-127

APPLICANT
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735 Anderson Hill Road
Purchase, NY 10577-1402

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Intelligent Land Use

Diniy Tung Schwalbe, LLP
One North Broadway
White Plains, NY 10601
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F: 914.428.0017

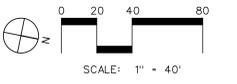
OWNER
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735 Anderson Hill Road
Purchase, NY 10577-1402

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Rutherford, NJ 07070

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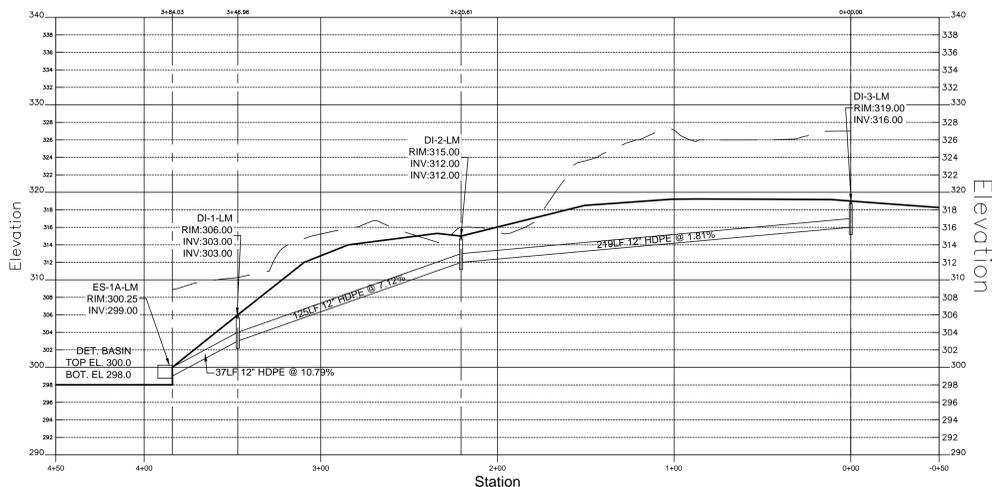
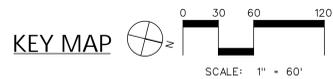
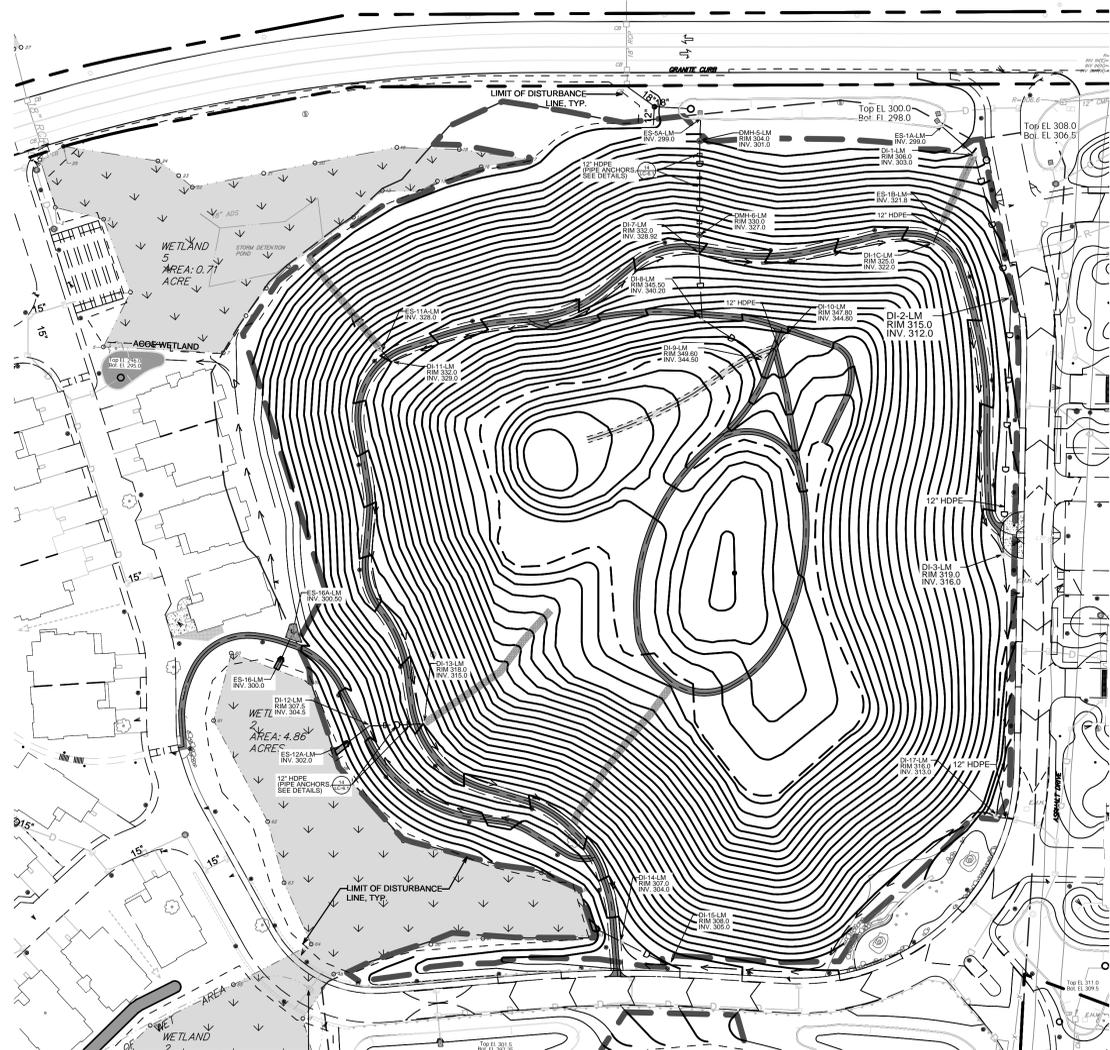
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GRADING & LAYOUT
PLAN

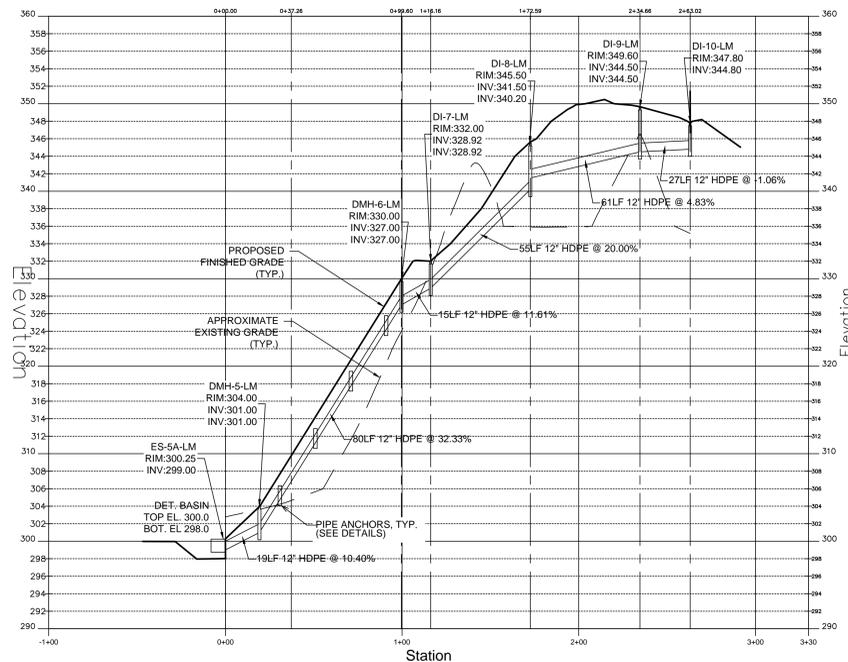
STATE OF NEW YORK
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DINIY TUNG SCHWALBE
06448

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DRAWING NO.:			

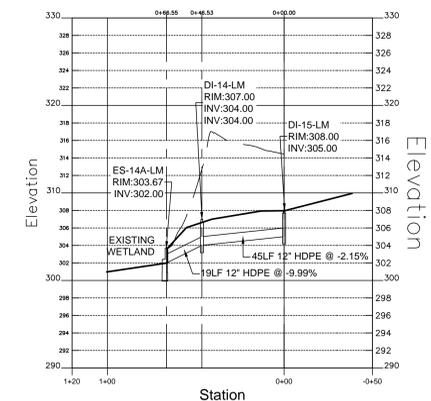
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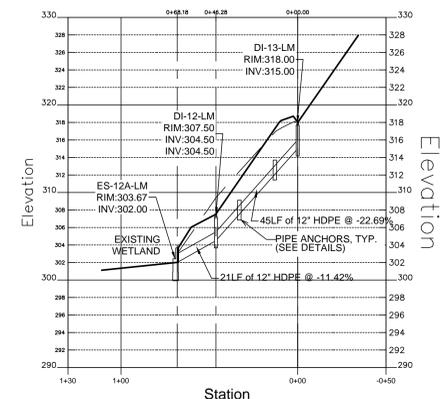
STORM PROFILE: ES-1A-LM (LANDMARK) FROM DI-3-LM



STORM DRAINAGE: ES-5A-LM (LANDMARK) FROM DI-10-LM



STORM: ES-13A-LM FROM DI-14-LM



STORM: ES-12 AFROM DI-13-LM

**SUNY
Purchase College
LANDFILL CLOSURE
WORK PLAN**

Purchase, New York

NYSDEC CASE No. R3-20180627-127

APPLICANT

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SURVEYOR

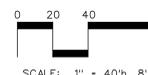
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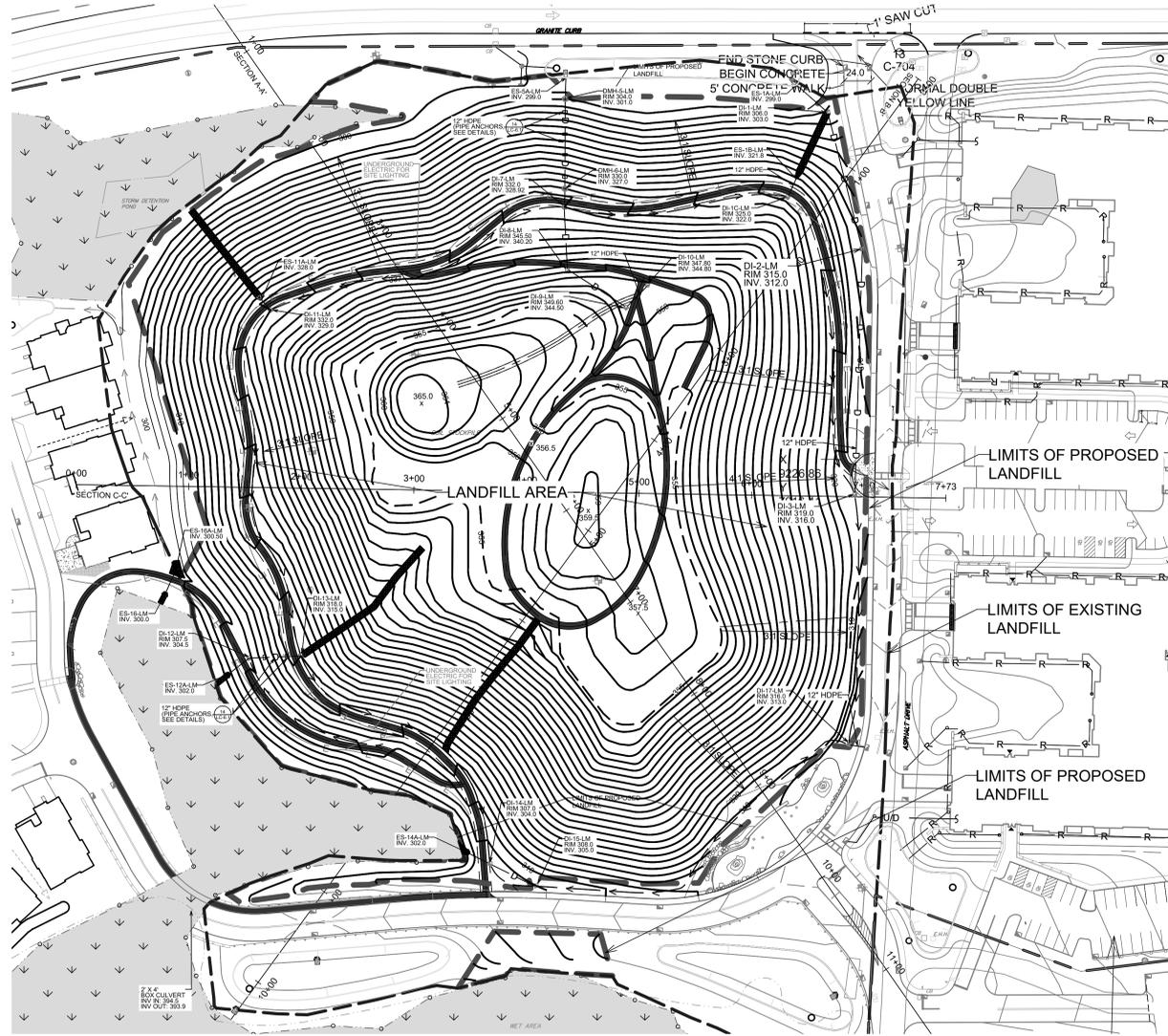
DRAWING TITLE:

**STORM DRAIN
PROFILES**

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PROJECT NO.: 796	DATE: 10/01/20
DRAWING NO.:	



LC-4.1



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LANDFILL CLOSURE
WORK PLAN

Purchase, New York
NYSDEC CASE No. R3-20180627-127

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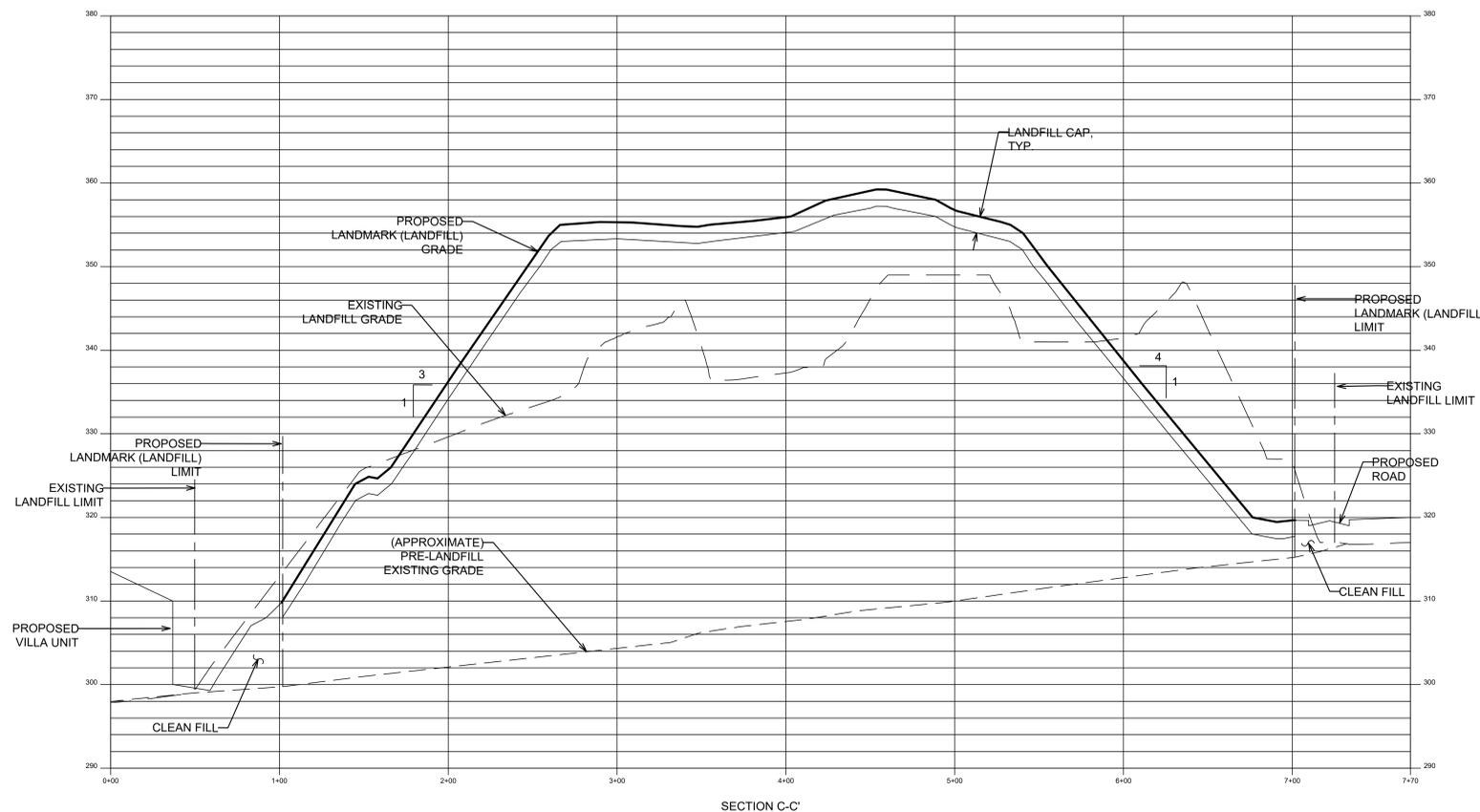
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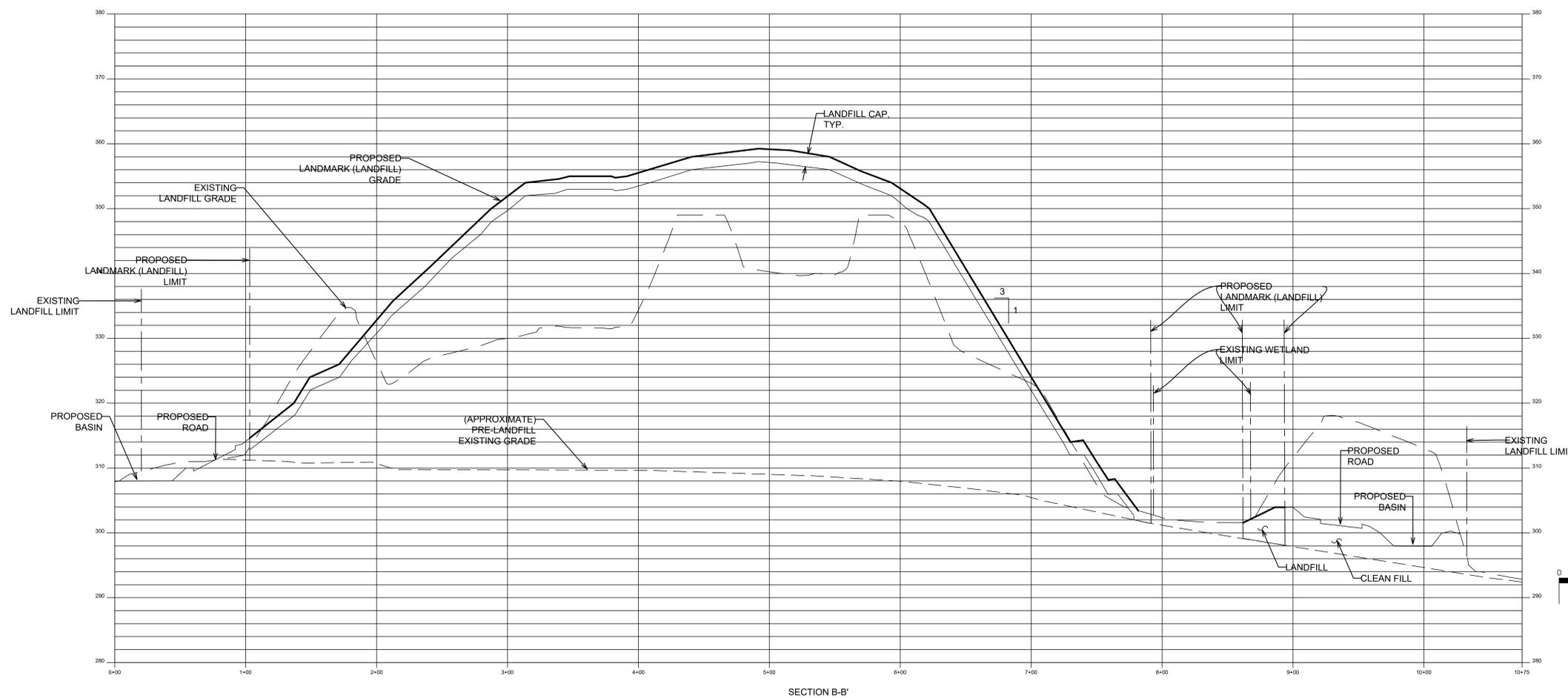
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SECTION C-C'

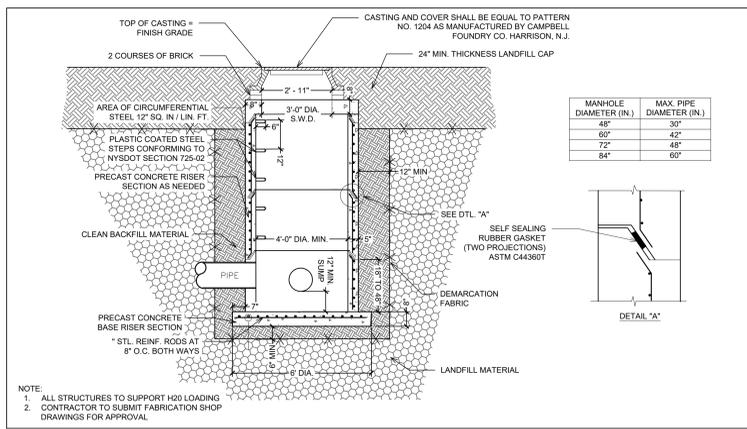


SECTION B-B'

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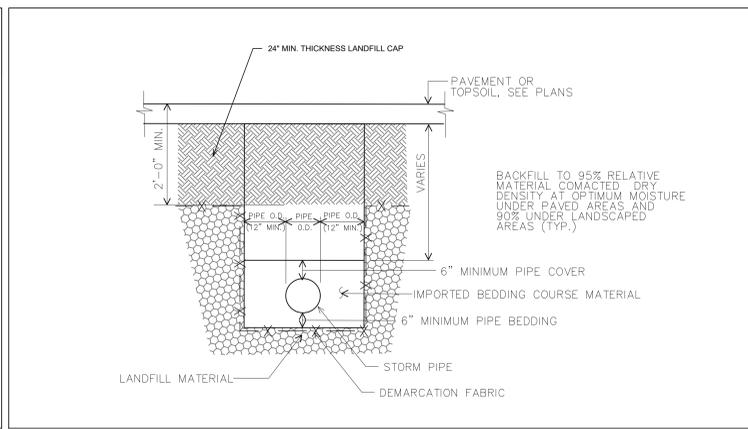
LANDFILL
CROSS-SECTION

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	PROJECT NO.:	796	DATE:	10/01/20
	DRAWING NO.:			
	LC-5.1			

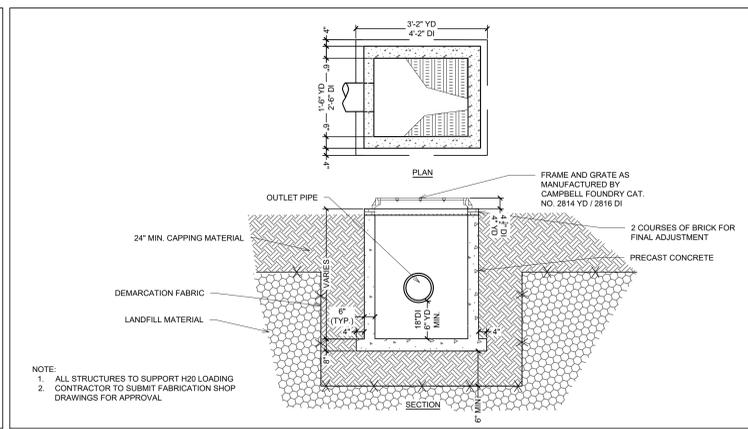


1. ALL STRUCTURES TO SUPPORT H20 LOADING
2. CONTRACTOR TO SUBMIT FABRICATION SHOP DRAWINGS FOR APPROVAL

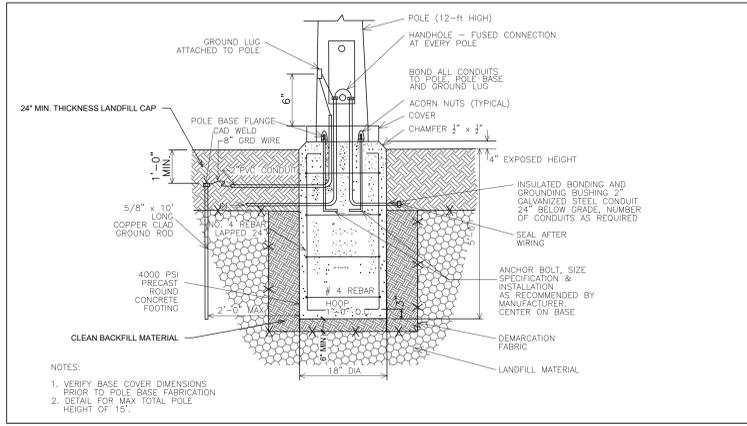
STORMWATER PRECAST MANHOLE (OUTSIDE OF LANDFILL)
(NOT TO SCALE)



TRENCH DETAIL (INSIDE OF LANDFILL)
(NOT TO SCALE)

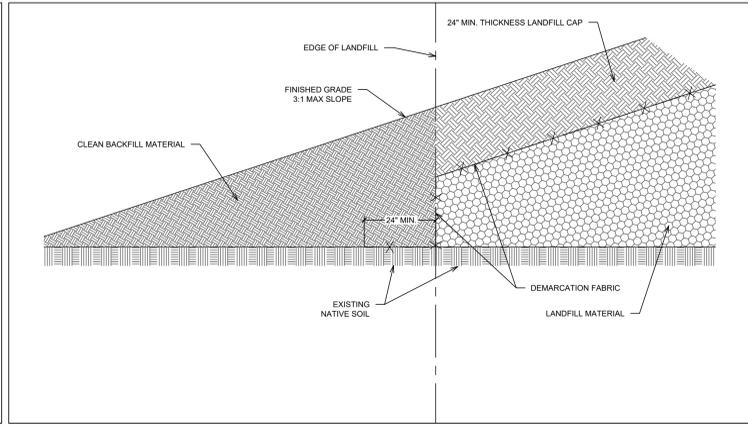


DRAIN INLET
(NOT TO SCALE)

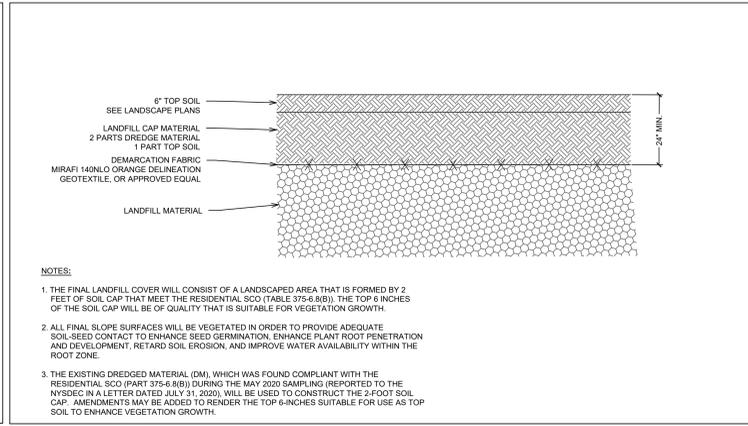


1. VERIFY BASE COVER DIMENSIONS PRIOR TO POLE BASE FABRICATION
2. DETAIL FOR MAX TOTAL POLE HEIGHT OF 15'

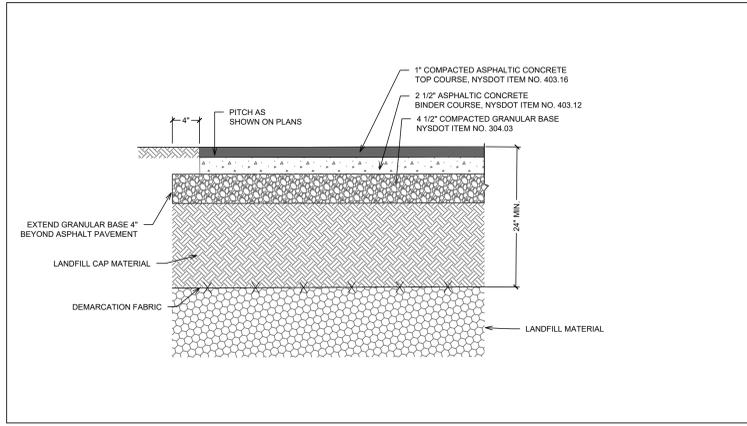
LIGHT POLE BASE
(NOT TO SCALE)



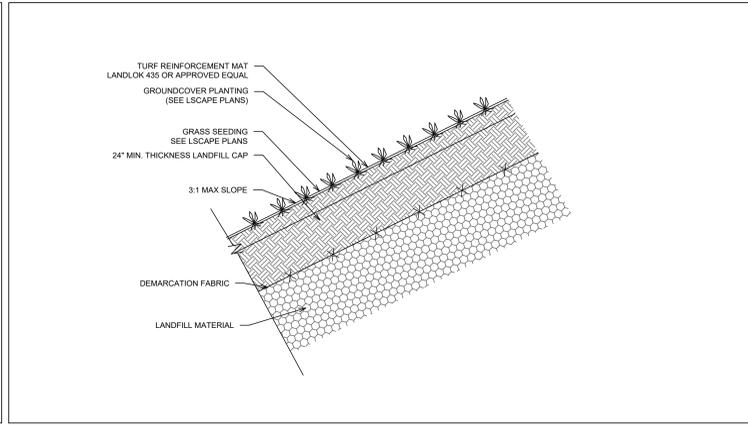
EDGE OF LANDFILL
(NOT TO SCALE)



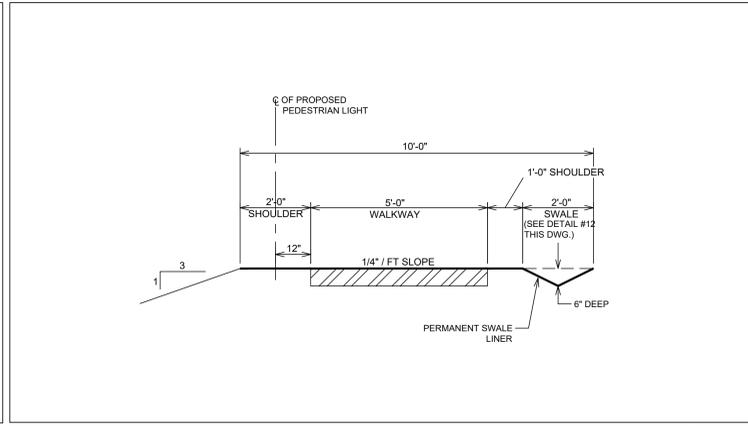
LANDFILL CAP
(NOT TO SCALE)



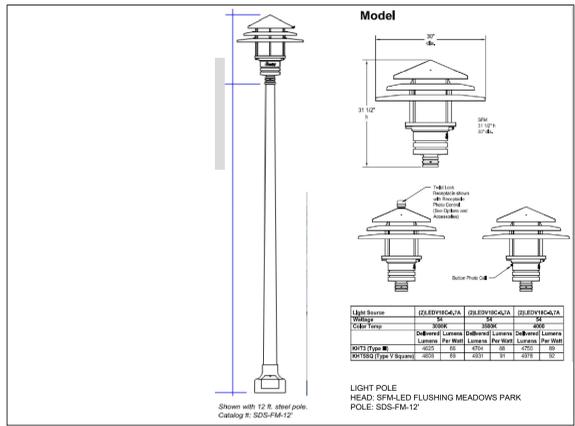
ASPHALT WALKWAY (WITHIN LANDFILL)
(NOT TO SCALE)



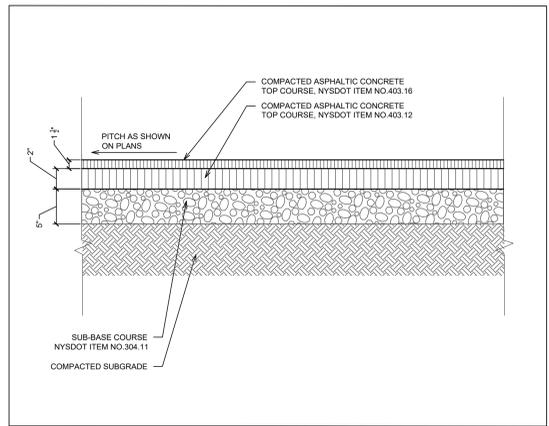
SLOPE STABILIZATION
(NOT TO SCALE)



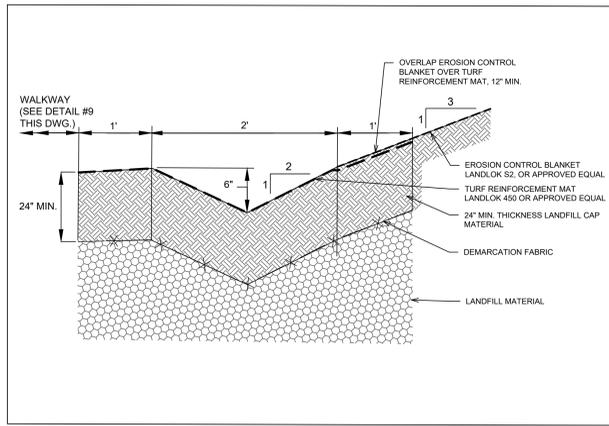
TYPICAL SECTION AT WALKWAY
(NOT TO SCALE)



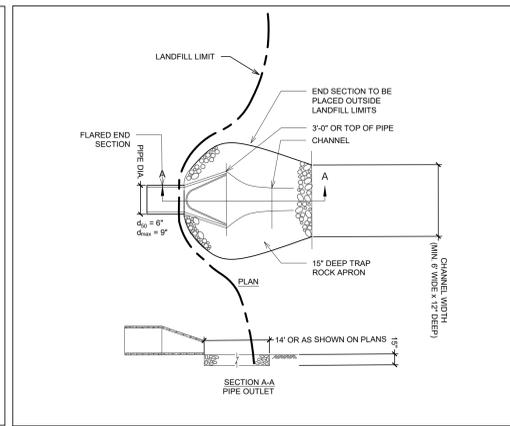
LIGHT POLE DETAIL
(NOT TO SCALE)



ASPHALT WALKWAY (OUTSIDE OF LANDFILL)
(NOT TO SCALE)



GRASS SWALE
(NOT TO SCALE)



END SECTION
(NOT TO SCALE)

SUNY
Purchase College
LANDFILL CLOSURE
WORK PLAN
Purchase, New York

NYSDEC CASE No. R3-20180627-127

APPLICANT
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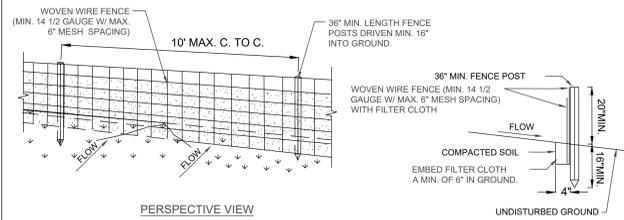
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LANDFILL CAPPING
DETAILS

DESIGNED BY: HV
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PROJECT NO.: 796
DATE: 10/01/20
DRAWING NO.: 08468

STATE OF NEW YORK
SEYMOUR MARTIN SCHWALBE
08468
PROFESSIONAL ENGINEER

LC-6.0



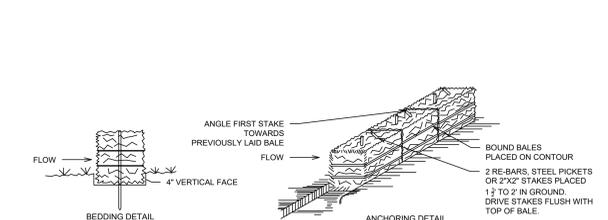
CONSTRUCTION SPECIFICATIONS

- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "1" OR "1 1/2" TYPE OR HARDWOOD.
- FILTER CLOTH TO BE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 12 1/2 GAUGE, 6" MAXIMUM MESH OPENING.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA 140N, OR APPROVED EQUIVALENT.
- PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

SLOPE	MAX. SLOPE LENGTH (FT)
2:1	25
3:1	50
4:1	75
5:1	100
OR FLATTER	

THE SILT FENCE INSTALLATION SHALL BE COORDINATED WITH THE CONSTRUCTION PHASING. THE MAXIMUM ALLOWABLE SLOPE LENGTHS BETWEEN SILT FENCES PLACED ON SLOPE ARE:

SILT FENCE SCALE: N.T.S. **1**



DRAINAGE AREA NO MORE THAN 1/2 ACRE PER 100 FEET OF STRAW BALE DIKE FOR SLOPES LESS THAN 25%.

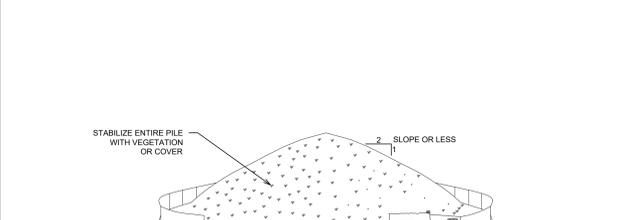
CONSTRUCTION SPECIFICATIONS

- BALES SHALL BE PLACED AT THE TOE OF A SLOPE OR THE CONTOUR AND IN A ROW WITH ENDS TIGHTLY BUTTING THE ADJACENT BALES.
- EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF (4) INCHES, AND PLACED SO THE BINDINGS ARE HORIZONTAL.
- BALES SHALL BE SECURELY ANCHORED IN PLACE BY EITHER TWO STAKES OR REBARS 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.
- INSPECTION SHALL BE FREQUENT AND REPAIR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
- BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPED STORM FLOW OR DRAINAGE.

NOTE:

- AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
- MAXIMUM SLOPE OF STOCKPILE SHALL BE 1:2.
- UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH EITHER SILT FENCING OR STRAW BALES, THEN STABILIZED AS NOTED.
- TEMPORARILY STABILIZE AS NOTED IN SPECIFICATIONS.

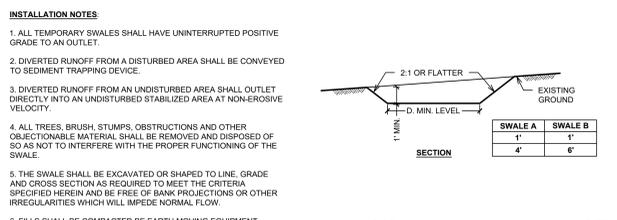
HAY BALES SCALE: N.T.S. **2**



CONSTRUCTION SPECIFICATIONS

- AREA UNDER EMBANKMENT SHALL BE CLEARED, GRUBBED, AND STRIPPED OF ANY VEGETATION AND ROOT MAT. THE POOL AREA SHALL BE CLEARED.
- THE FILL MATERIAL FOR THE EMBANKMENT SHALL BE FREE OF ROOTS OR OTHER WOODY VEGETATION AS WELL AS OVER-SIZED STONES, ROCKS, ORGANIC MATERIAL, OR OTHER OBJECTIONABLE MATERIAL. THE EMBANKMENT SHALL BE COMPACTED BY TRAVELING WITH EQUIPMENT WHILE IT IS BEING CONSTRUCTED.
- VOLUME OF SEDIMENT STORAGE SHALL BE 3600 CUBIC FEET PER ACRE OF CONTRIBUTORY DRAINAGE.
- SEDIMENT SHALL BE REMOVED AND TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO THE DESIGN DEPTH OF THE TRAP. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.
- THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS NEEDED.
- CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION ARE MINIMIZED.
- THE STRUCTURE SHALL BE REMOVED AND AREA STABILIZED WHEN THE DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.
- ALL PIPE CONNECTIONS SHALL BE WATERTIGHT.
- THE TOP 1 OF THE RISER SHALL BE PERFORATED WITH ONE (1) INCH DIAMETER HOLES OR SLITS SPACED SIX (6) INCHES VERTICALLY AND HORIZONTALLY AND PLACED IN THE CONCAVE PORTION OF PIPE. NO HOLES WILL BE ALLOWED WITHIN SIX (6) INCHES OF THE HORIZONTAL BARREL.
- THE RISER SHALL BE WRAPPED WITH 1/4 TO 1/2 INCH HARDWARE CLOTH WIRE THEN WRAPPED WITH FILTER CLOTH HAVING AN EQUIVALENT SIEVE SIZE OF 40-80. THE FILTER CLOTH SHALL EXTEND SIX (6) INCHES ABOVE THE HIGHEST HOLE AND SIX (6) INCHES BELOW THE LOWEST HOLE. WHERE ENDS OF THE FILTER CLOTH COME TOGETHER, THEY SHALL BE OVER-LAPPED, FOLDED AND STAPLED TO PREVENT BYPASS.
- STRAPS OR CONNECTING BANDS SHALL BE USED TO HOLD THE FILTER CLOTH AND WIRE FABRIC IN PLACE. THEY SHALL BE PLACED AT THE TOP AND BOTTOM OF THE CLOTH.
- FILL MATERIAL AROUND THE PIPE SPILLWAY SHALL BE HAND COMPACTED IN FOUR (4) INCH LAYERS. A MINIMUM OF TWO (2) FEET OF HAND COMPACTED BACKFILL SHALL BE PLACED OVER THE PIPE SPILLWAY BEFORE CROSSING IT WITH CONSTRUCTION EQUIPMENT.
- THE RISER SHALL BE ANCHORED WITH EITHER A CONCRETE BASE OR STEEL PLATE. BASE TO PREVENT FLOTATION. FOR CONCRETE BASED THE DEPTH SHALL BE TWELVE (12) INCHES WITH THE RISER EMBEDDED NINE (9) INCHES. A 1/4 INCH MINIMUM THICKNESS STEEL PLATE SHALL BE ATTACHED TO THE RISER BY A CONTINUOUS WELD AROUND THE BOTTOM TO FORM A WATERTIGHT CONNECTION AND THEN PLACE TWO (2) FEET OF STONE, GRAVEL, OR TAMPED EARTH ON THE PLATE.

SOIL STOCKPILING SCALE: N.T.S. **3**



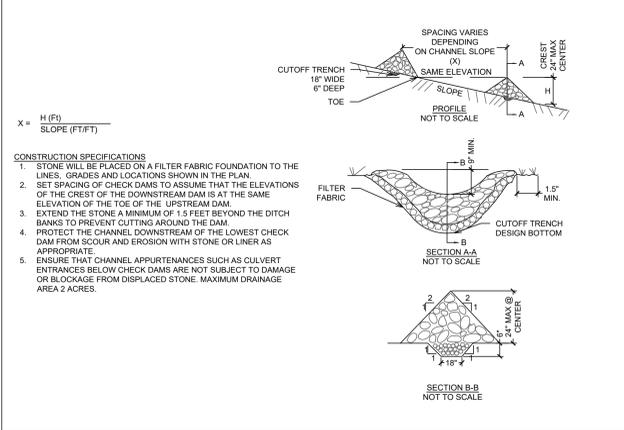
INSTALLATION NOTES

- ALL TEMPORARY SWALES SHALL HAVE UNINTERRUPTED POSITIVE GRADE TO AN OUTLET.
- DIVERTED RUNOFF FROM A DISTURBED AREA SHALL BE CONVEYED TO SEDIMENT TRAPPING DEVICE.
- DIVERTED RUNOFF FROM AN UNDISTURBED AREA SHALL OUTLET DIRECTLY INTO AN UNDISTURBED STABILIZED AREA AT NON-EROSIVE VELOCITY.
- ALL TREES, BRUSH, STUMPS, OBSTRUCTIONS AND OTHER OBJECTIONABLE MATERIAL SHALL BE REMOVED AND DISPOSED OF SO AS NOT TO INTERFERE WITH THE PROPER FUNCTIONING OF THE SWALE.
- THE SWALE SHALL BE EXCAVATED OR SHAPED TO LINE, GRADE AND CROSS SECTION AS REQUIRED TO MEET THE CRITERIA SPECIFIED HEREIN AND BE FREE OF BANK PROJECTIONS OR OTHER IRREGULARITIES WHICH WILL IMPROVE NORMAL FLOW.
- FILLS SHALL BE COMPACTED BY EARTH MOVING EQUIPMENT.
- ALL EARTH REMOVED AND NOT NEEDED FOR CONSTRUCTION SHALL BE PLACED SO AS NOT TO INTERFERE WITH THE FUNCTIONING OF THE SWALE.
- INSPECTION AND MAINTENANCE MUST BE PROVIDED AFTER EACH RAIN EVENT.
- STABILIZATION SHALL BE AS PER THE CHART BELOW:

TYPE OF TREATMENT	CHANNEL GRADE	FLOW CHANNEL STABILIZATION	
		A (5 AC. OR LESS)	B (5 AC. - 10 AC.)
1	0 - 3.0%	SEED AND STRAW MULCH/SEED AND STRAW MULCH	SEED AND JUTE MESH LINED - RIPRAP 2"
2	3.1-5.0%	SEED AND STRAW MULCH	SEED AND JUTE MESH LINED - RIPRAP 2"
3	5.1-8.0%	SEED AND JUTE MESH LINED - RIPRAP 2"	LINED - RIPRAP 4-8"
4	8.1-20%	LINED - RIPRAP 4-8"	ENGINEERED DESIGN

OUTLET AS REQUIRED SEE ITEM 8 BELOW

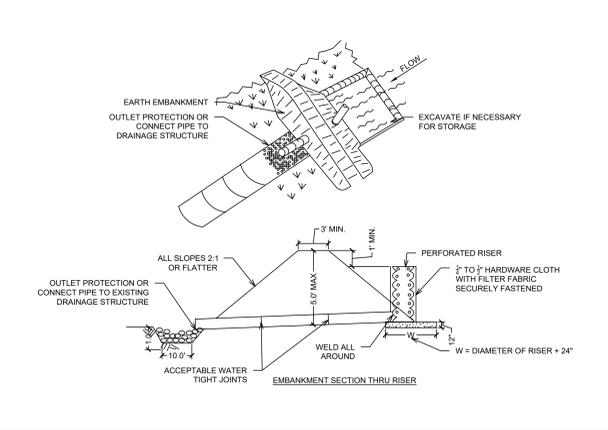
TEMPORARY DIVERSION SWALE SCALE: N.T.S. **4**



CONSTRUCTION SPECIFICATIONS

- STONE WILL BE PLACED ON A FILTER FABRIC FOUNDATION TO THE LINES, GRADES AND LOCATIONS SHOWN IN THE PLAN.
- SET SPACING OF CHECK DAMS TO ASSUME THAT THE ELEVATIONS OF THE CREST OF THE DOWNSTREAM DAM IS AT THE SAME ELEVATION OF THE TOE OF THE UPSTREAM DAM.
- EXTEND THE STONE A MINIMUM OF 15 FEET BEYOND THE DITCH BANKS TO PREVENT CUTTING AROUND THE DAM.
- PROTECT THE CHANNEL, DOWNSTREAM OF THE LOWEST CHECK DAM FROM SCOUR AND EROSION WITH STONE OR LINES AS APPROPRIATE.
- ENSURE THAT CHANNEL APPURTENANCES SUCH AS CULVERT ENTRANCES BELOW CHECK DAMS ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE FROM DISPLACED STONE. MAXIMUM DRAINAGE AREA 2 ACRES.

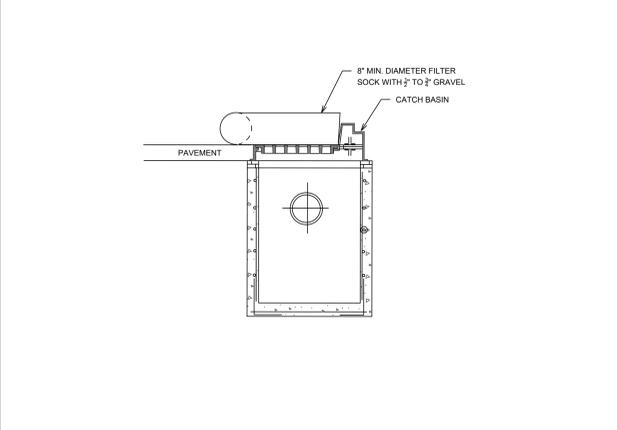
STONE CHECK DAM SCALE: N.T.S. **5**



CONSTRUCTION SPECIFICATIONS

- STONE SIZE - USE 2" MIN. STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
- LENGTH - NOT LESS THAN 75 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
- THICKNESS - NOT LESS THAN SIX (6) INCHES.
- WIDTH - TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY-FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
- FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
- 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.
- MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
- WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
- PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

PIPE OUTLET SEDIMENT TRAP SCALE: N.T.S. **6**

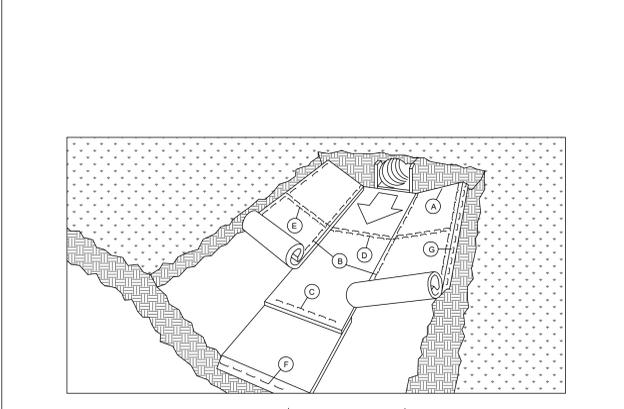


CATCH BASIN INLET PROTECTION SCALE: N.T.S. **7**

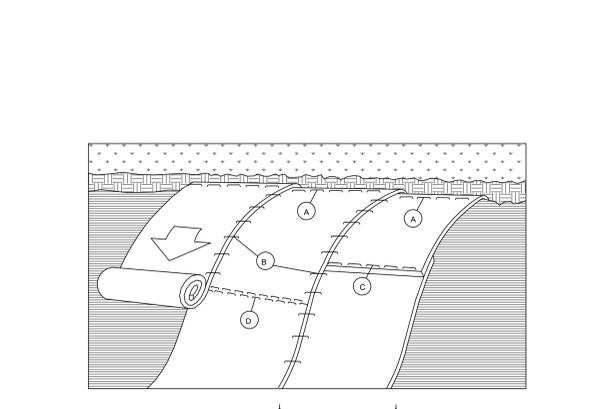
GENERAL NOTES

- AREA UNDER EMBANKMENT SHALL BE CLEARED, GRUBBED, AND STRIPPED OF ANY VEGETATION AND ROOT MAT. THE POOL AREA SHALL BE CLEARED.
- THE FILL MATERIAL FOR THE EMBANKMENT SHALL BE FREE OF ROOTS OR OTHER WOODY VEGETATION AS WELL AS OVER-SIZED STONES, ROCKS, ORGANIC MATERIAL, OR OTHER OBJECTIONABLE MATERIAL. THE EMBANKMENT SHALL BE COMPACTED BY TRAVELING WITH EQUIPMENT WHILE IT IS BEING CONSTRUCTED.
- VOLUME OF SEDIMENT STORAGE SHALL BE 3600 CUBIC FEET PER ACRE OF CONTRIBUTORY DRAINAGE.
- SEDIMENT SHALL BE REMOVED AND TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO THE DESIGN DEPTH OF THE TRAP. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.
- THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS NEEDED.
- CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION ARE MINIMIZED.
- THE STRUCTURE SHALL BE REMOVED AND AREA STABILIZED WHEN THE DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.
- ALL PIPE CONNECTIONS SHALL BE WATERTIGHT.
- THE TOP 1 OF THE RISER SHALL BE PERFORATED WITH ONE (1) INCH DIAMETER HOLES OR SLITS SPACED SIX (6) INCHES VERTICALLY AND HORIZONTALLY AND PLACED IN THE CONCAVE PORTION OF PIPE. NO HOLES WILL BE ALLOWED WITHIN SIX (6) INCHES OF THE HORIZONTAL BARREL.
- THE RISER SHALL BE WRAPPED WITH 1/4 TO 1/2 INCH HARDWARE CLOTH WIRE THEN WRAPPED WITH FILTER CLOTH HAVING AN EQUIVALENT SIEVE SIZE OF 40-80. THE FILTER CLOTH SHALL EXTEND SIX (6) INCHES ABOVE THE HIGHEST HOLE AND SIX (6) INCHES BELOW THE LOWEST HOLE. WHERE ENDS OF THE FILTER CLOTH COME TOGETHER, THEY SHALL BE OVER-LAPPED, FOLDED AND STAPLED TO PREVENT BYPASS.
- STRAPS OR CONNECTING BANDS SHALL BE USED TO HOLD THE FILTER CLOTH AND WIRE FABRIC IN PLACE. THEY SHALL BE PLACED AT THE TOP AND BOTTOM OF THE CLOTH.
- FILL MATERIAL AROUND THE PIPE SPILLWAY SHALL BE HAND COMPACTED IN FOUR (4) INCH LAYERS. A MINIMUM OF TWO (2) FEET OF HAND COMPACTED BACKFILL SHALL BE PLACED OVER THE PIPE SPILLWAY BEFORE CROSSING IT WITH CONSTRUCTION EQUIPMENT.
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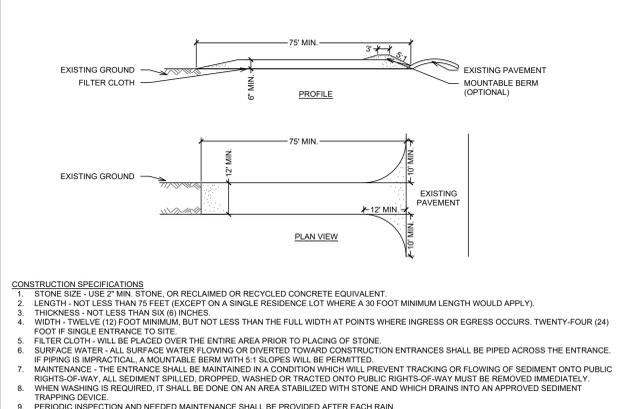
GENERAL NOTES **8**



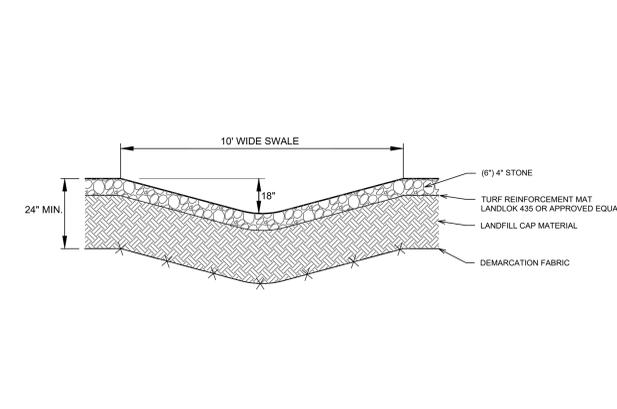
STONE SWALE SCALE: N.T.S. **12**



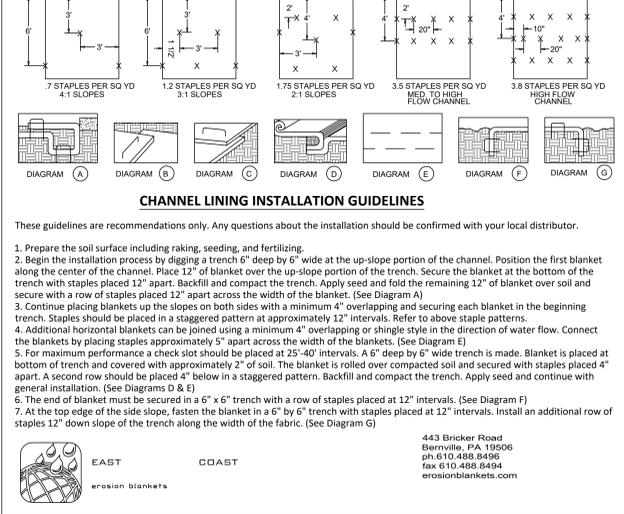
STABILIZED CONSTRUCTION ENTRANCE SCALE: N.T.S. **11**



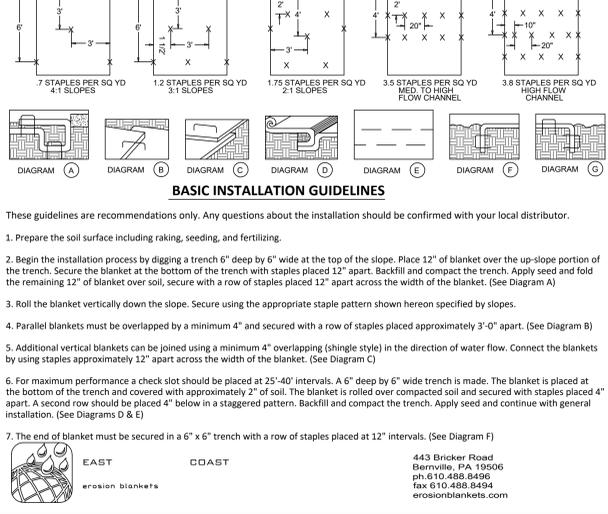
TRENCH DETAIL - SITE LIGHTING ELECTRIC SCALE: N.T.S. **13**



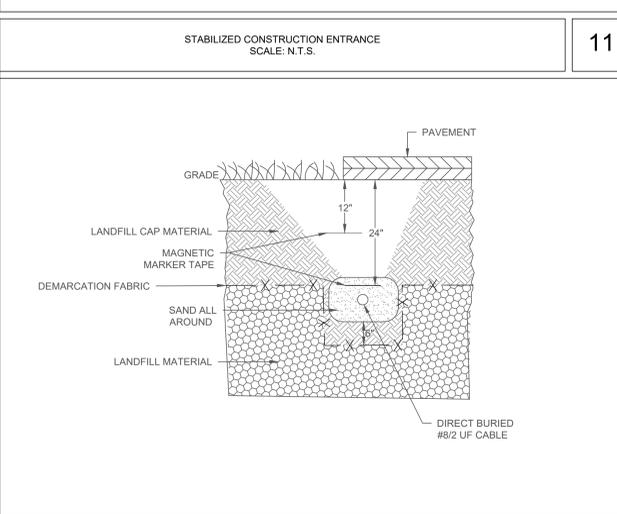
PIPE ANCHORS AND BACKFILL STABILIZERS SCALE: N.T.S. **14**



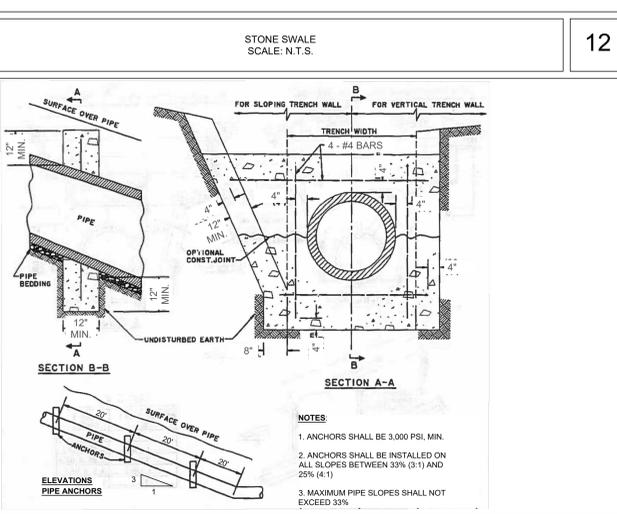
CHANNEL LINING INSTALLATION NOT TO SCALE **9**



ROLLED EROSION CONTROL MAT NOT TO SCALE **10**



TRENCH DETAIL - SITE LIGHTING ELECTRIC SCALE: N.T.S. **13**



PIPE ANCHORS AND BACKFILL STABILIZERS SCALE: N.T.S. **14**

SUNY
Purchase College
LANDFILL CLOSURE
WORK PLAN
Purchase, New York
NYSDEC CASE No. R3-20180627-127
APPLICANT
Purchase College Learning Corporation
735 Anderson Hill Road
Purchase, NY 10577-1402

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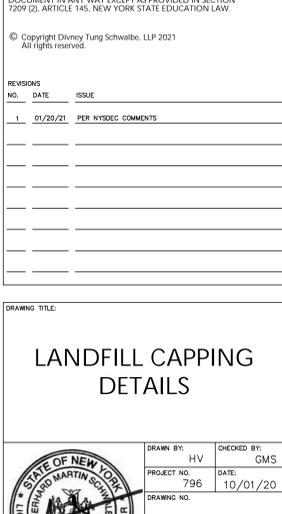
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LANDFILL CAPPING
DETAILS



TRENCH DETAIL - SITE LIGHTING ELECTRIC SCALE: N.T.S. **13**

DESIGN BY: HV
CHECKED BY: GMS
PROJECT NO.: 796
DATE: 10/01/20
DRAWING NO.:

LC-6.1



LEGEND

- SHADE TREE
- EVERGREEN TREE
- ORNAMENTAL TREE
- PLANTING BEDS
- RAIN GARDEN/BIORETENTION PLANTING
- SEEDED BUTTERFLY MEADOW
- SEEDED MEADOW
- SEEDED LAWN
- SEEDED LAWN (UNMOWN)

PLANT LIST

	BOTANICAL NAME	COMMON NAME
SHADE TREES	<i>Acer rubrum</i>	Red Maple
	<i>Celtis occidentalis</i>	Hackberry
	<i>Gymnocladus dioica</i>	Kentucky Coffee Tree
	<i>Quercus palustris</i>	Pin Oak
	<i>Picea glauca</i>	White Spruce
EVERGREEN TREES	<i>Pinus strobus</i>	Eastern White Pine
	<i>Thuja occidentalis</i>	Arborvitae
	<i>Amelanchier canadensis</i>	Amelanchier
ORNAMENTAL TREES	<i>Betula populifolia</i>	Grey Birch
	<i>Salix discolor</i>	American Pussy Willow
	<i>Aronia arbutifolia</i>	Red Chokeberry
DECIDUOUS SHRUBS	<i>Aronia melanocarpa</i>	Black Chokeberry
	<i>Clethra alnifolia</i>	Summersweet
	<i>Cornus racemosa</i>	Gray Dogwood
	<i>Itea virginica</i>	Sweetspire
	<i>Ilex verticillata</i>	Winterberry Holly
	<i>Rhus aromatica 'Gro-Low'</i>	Gro-Low Sumac
	<i>Rhus typhina</i>	Staghorn Sumac
EVERGREEN SHRUBS	<i>Ilex glabra</i>	Inkberry Holly
	<i>Myrica pensylvanica</i>	Northern Bayberry
PERENNIALS	<i>Achillea millefolium</i>	Yarrow
	<i>Asclepias tuberosa</i>	Butterfly Weed
	<i>Aster novi-angliae</i>	New England Aster
	<i>Buddleia davidii</i>	Butterfly Bush
	<i>Echinacea purpurea</i>	Purple Coneflower
	<i>Eupatorium dubium</i>	Three-nerved Joe Pye Weed
	<i>Liatris sp.</i>	Blazing Stars
	<i>Rudbeckia triloba</i>	Black-Eyed Susan
	<i>Solidago sp.</i>	Goldenrod
	SEED MIX	Butterfly Meadow Seed Mix
Meadow Seed Mix		Ermmx 122
Seeded Lawn Mix		Ermmx 113

SUNY
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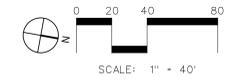
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PLAN**

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PROJECT NO.: 796
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