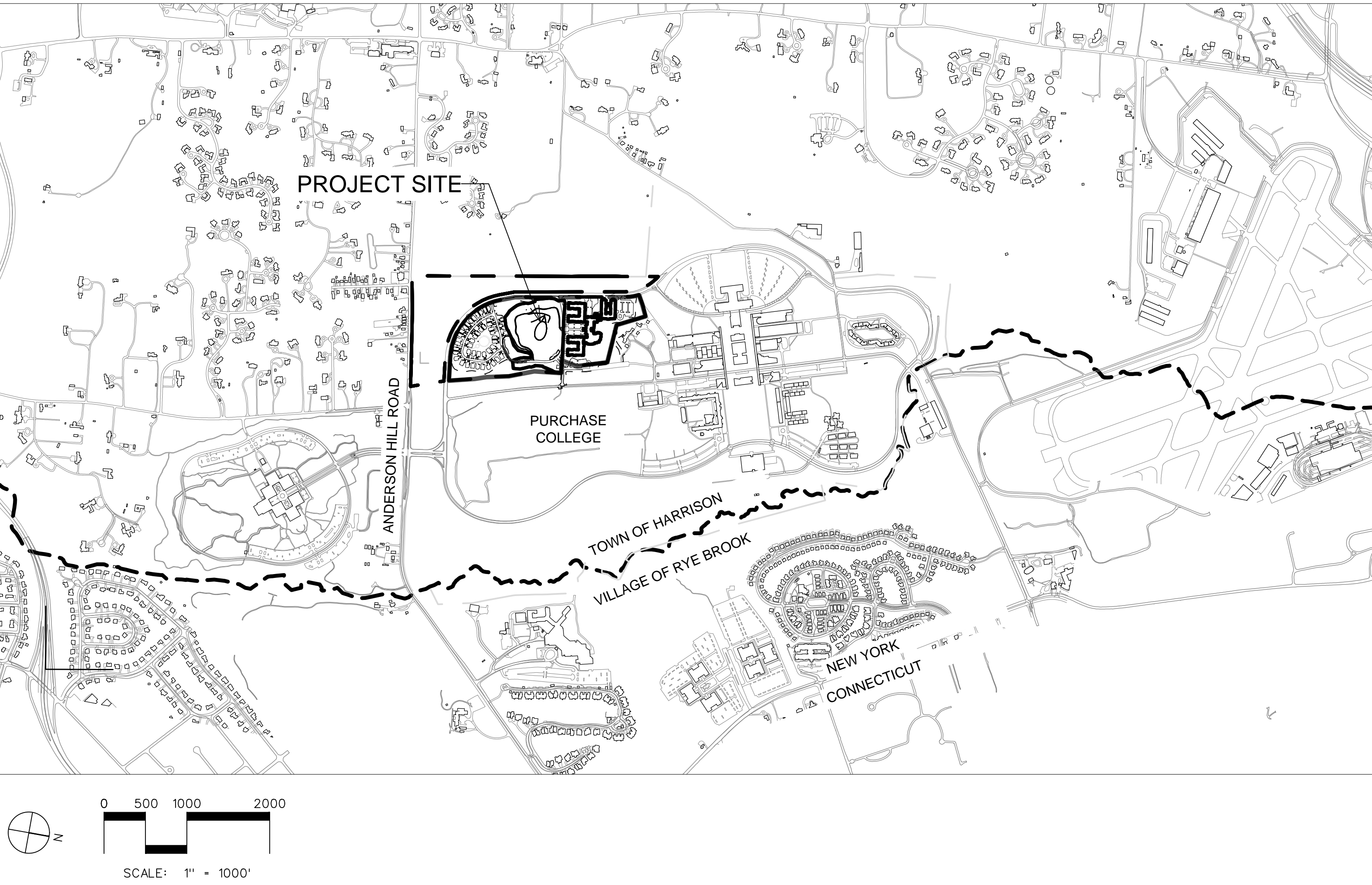


STATE UNIVERSITY OF NEW YORK (SUNY)  
 PURCHASE COLLEGE  
 735 ANDERSON HILL ROAD  
 PURCHASE, NEW YORK

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

SPONSOR:

Purchase College Advancement Corporation  
 735 Anderson Hill Road  
 Purchase, NY 10577-1402

DEVELOPER:

LCS DEVELOPMENT  
 400 Locust Street, Suite 820  
 Des Moines, IA 50309

ARCHITECT:

HCM Design, Inc.  
 750 East Pratt Street  
 11th Floor  
 Baltimore, MD 21202

PLANNER, CIVIL ENGINEER:

DIVNEY • TUNG • SCHWALBE  
 Intelligent Land Use  
 Divney Tung Schwalbe, LLP  
 One North Broadway  
 White Plains, NY 10601  
 P: 914.428.0010  
 F: 914.428.0017

LANDSCAPE ARCHITECT:

MKW and Associates, LLC.  
 39 Park Avenue  
 Rutherford, NJ 07070

ENVIRONMENTAL/GEOTECHNICAL  
 ENGINEER:

SESI Consulting Engineers, PC  
 12A Maple Avenue  
 Pine Brook, NJ 07058

ATTORNEY:





Delbello Donnellan Weingarten Wise & Wiederkehr, LLP  
 1 North Lexington Avenue, 11th Floor  
 White Plains, NY 10601

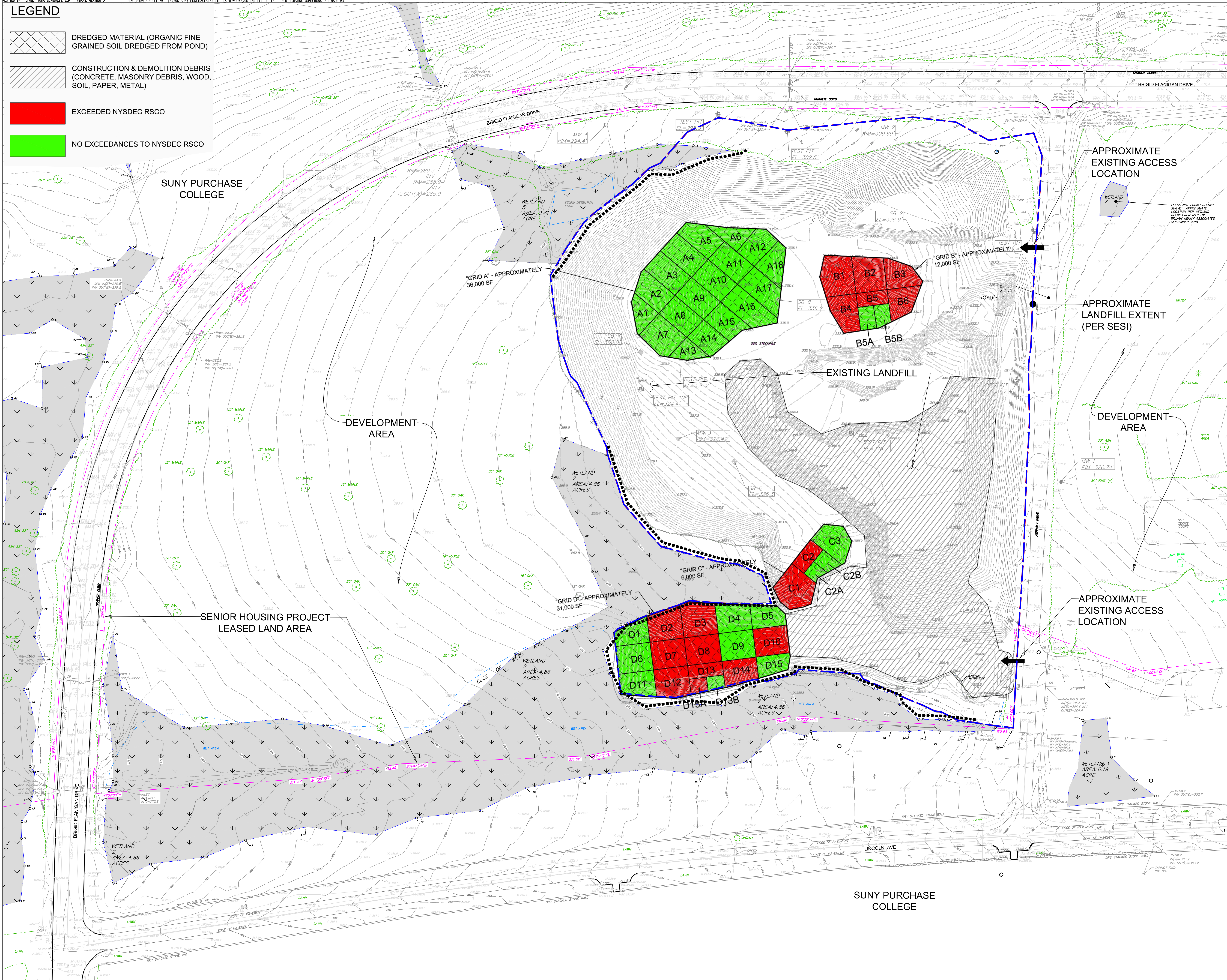






### LEGEND

- 
 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



### 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

#### PLANNER, CIVIL ENGINEER

**DIVNEY • TUNG • SCHWALBE**  
Intelligent Land Use

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Purchase, NY 10577-1402

#### LANDSCAPE ARCHITECT

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39 Park Avenue  
Rutherford, NJ 07070

#### SURVEYOR

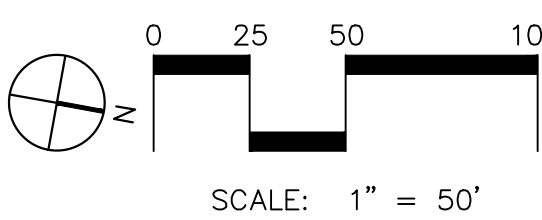
THE CHAZEN COMPANIES  
21 Fox Street  
Poughkeepsie, NY 12601

#### ENVIRONMENTAL / GEOTECHNICAL ENGINEER

SESI Consulting Engineers, PC  
12A Maple Avenue  
Pine Brook, NJ 07058

#### WETLAND CONSULTANT

WILLIAM KENNY ASSOCIATES LLC  
195 Turnxis Hill Cutoff South  
Fairfield, CT 06825



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#### DRAWING TITLE:

### EXISTING LANDFILL CONDITIONS



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

DRAWING NO.: LC-1.1



SUNY  
 Purchase College  
 LANDFILL CLOSURE  
 WORK PLAN  
 Purchase, New York

NYSDEC CASE No. R3-20180627-127

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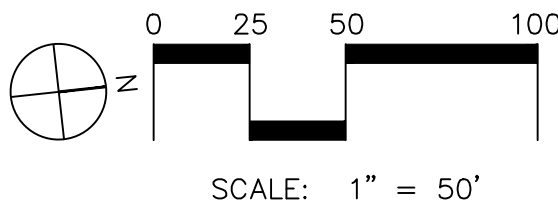
THE CHAZEN COMPANIES  
 21 Fox Street  
 Poughkeepsie, NY 12601

ENVIROMENTAL /  
 GEOTECHNICAL ENGINEER

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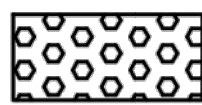
LANDFILL  
 SAMPLING PLAN



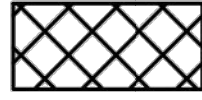
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PROJECT NO. 9065B	DATE: 10/01/20
DRAWING NO.	

LC-1.2

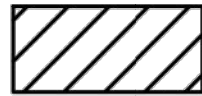
LEGEND:



- EAST SECTION



- NORTH SECTION



- SOUTH SECTION



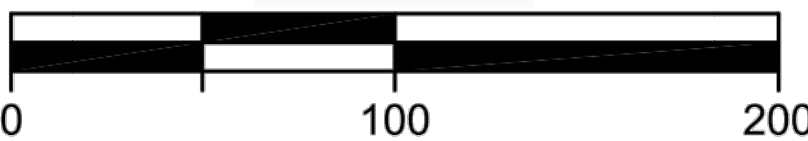
- PROPERTY LINE



- EXISTING LAND FILL BOUNDARY



- PROPOSED LANDFILL BOUNDARY

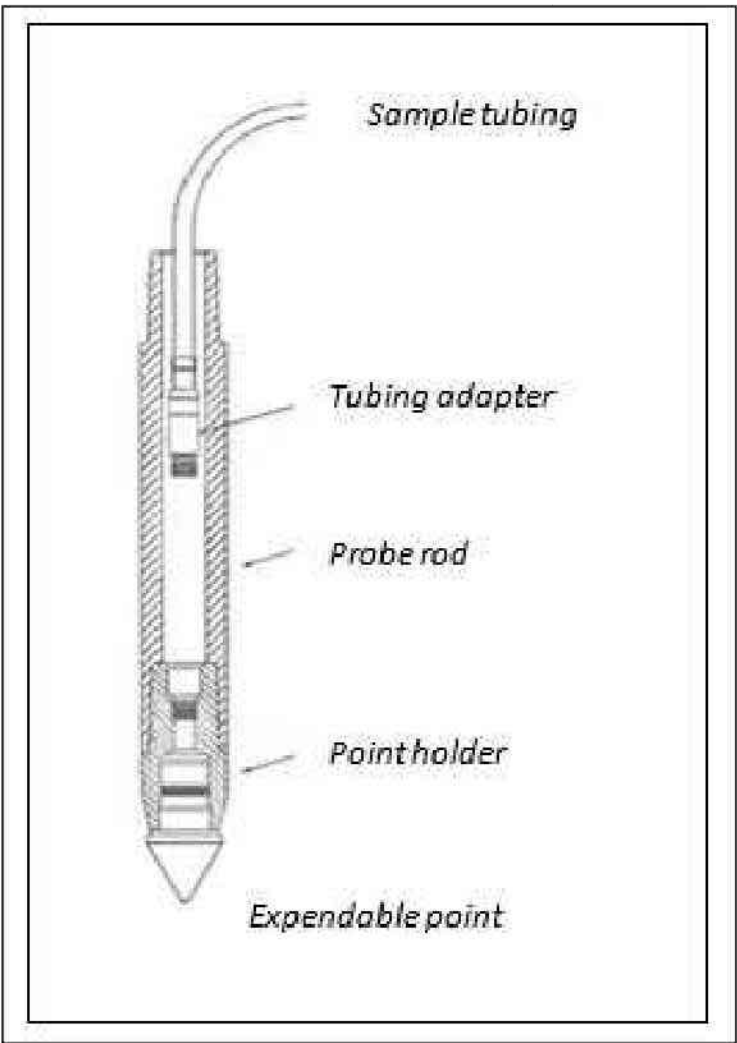


	North Section	East Section	South Section
Square Footage	25,660 SF	74,428 SF	14,837 SF
Total Number of Samples	3	8	2

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





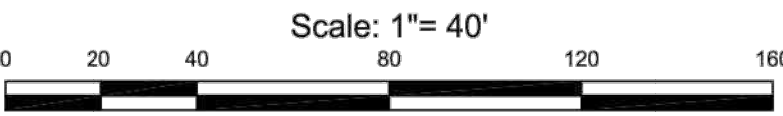
SOIL VAPOR POINT DETAIL  
 N.T.S.

LEGEND:

● - LFG SAMPLING POINT

NOTES:

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



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

PLANNER, CIVIL ENGINEER

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 Intelligent Land Use

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 Purchase, NY 10577-1402

LANDSCAPE ARCHITECT

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 39 Park Avenue  
 Rutherford, NJ 07070

SURVEYOR

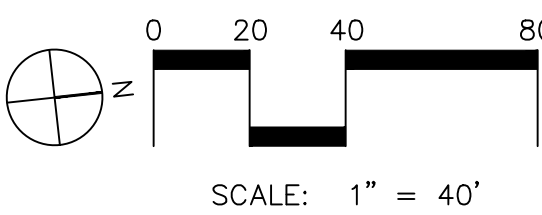
THE CHAZAN COMPANIES  
 21 Fox Street  
 Poughkeepsie, NY 12601

ENVIROMENTAL /  
 GEOTECHNICAL ENGINEER

SESI Consulting Engineers, PC  
 12A Maple Avenue  
 Pine Brook, NJ 07058

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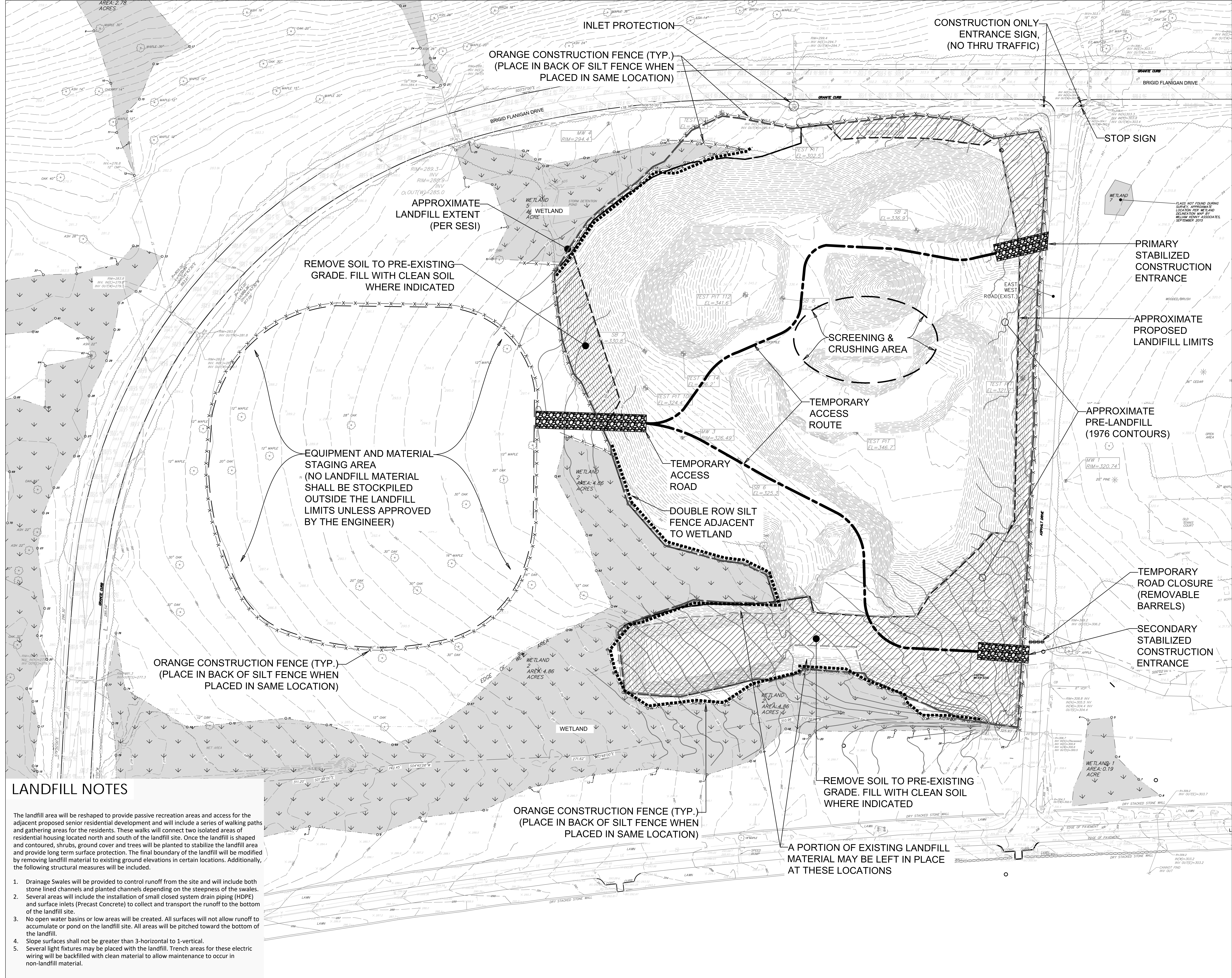
LANDFILL  
 GAS SAMPLING  
 PLAN



DRAWN BY: SESE  
 PROJECT NO: 9065B  
 DATE: 10/01/20  
 CHECKED BY: SESE

LC-1.3





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

PLANNER, CIVIL ENGINEER  
DIVNEY • TUNG • SCHWALBE  
Intelligent Land Use

**OWNER**  
Purchase College Learning Corporation  
735 Anderson Hill Road  
Purchase, NY 10577-1402

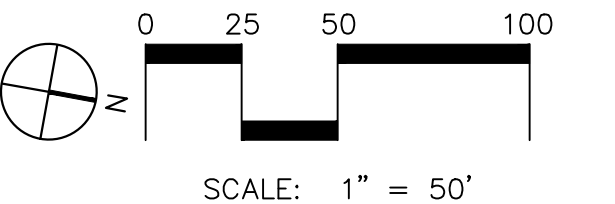
**LANDSCAPE ARCHITECT**  
MKW and Associates, LLC  
39 Park Avenue  
Rutherford, NJ 07070

SURVEYOR  
THE CHAZEN COMPANIES  
21 Fox Street  
Poughkeepsie, NY 12601

ENVIROMENTAL /  
GEOTECHNICAL ENGINEER

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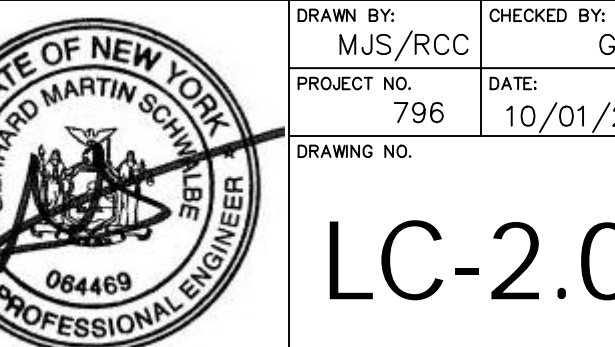
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[illegible]

TITLE:

LANDFILL SITE  
PREPARATION AND  
EROSION CONTROL  
PLAN



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	PROJECT NO. 796	DATE: 10/01/



LC-2.0





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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SURVEYOR

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21 Fox Street  
Poughkeepsie, NY 12601

ENVIRONMENTAL /

GEOTECHNICAL ENGINEER

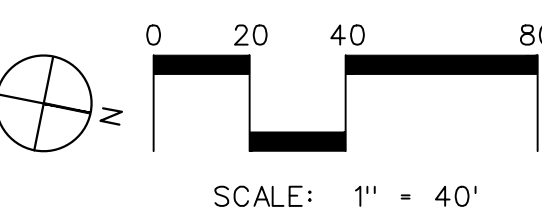
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DRAWING TITLE:

GRADING & LAYOUT  
PLAN



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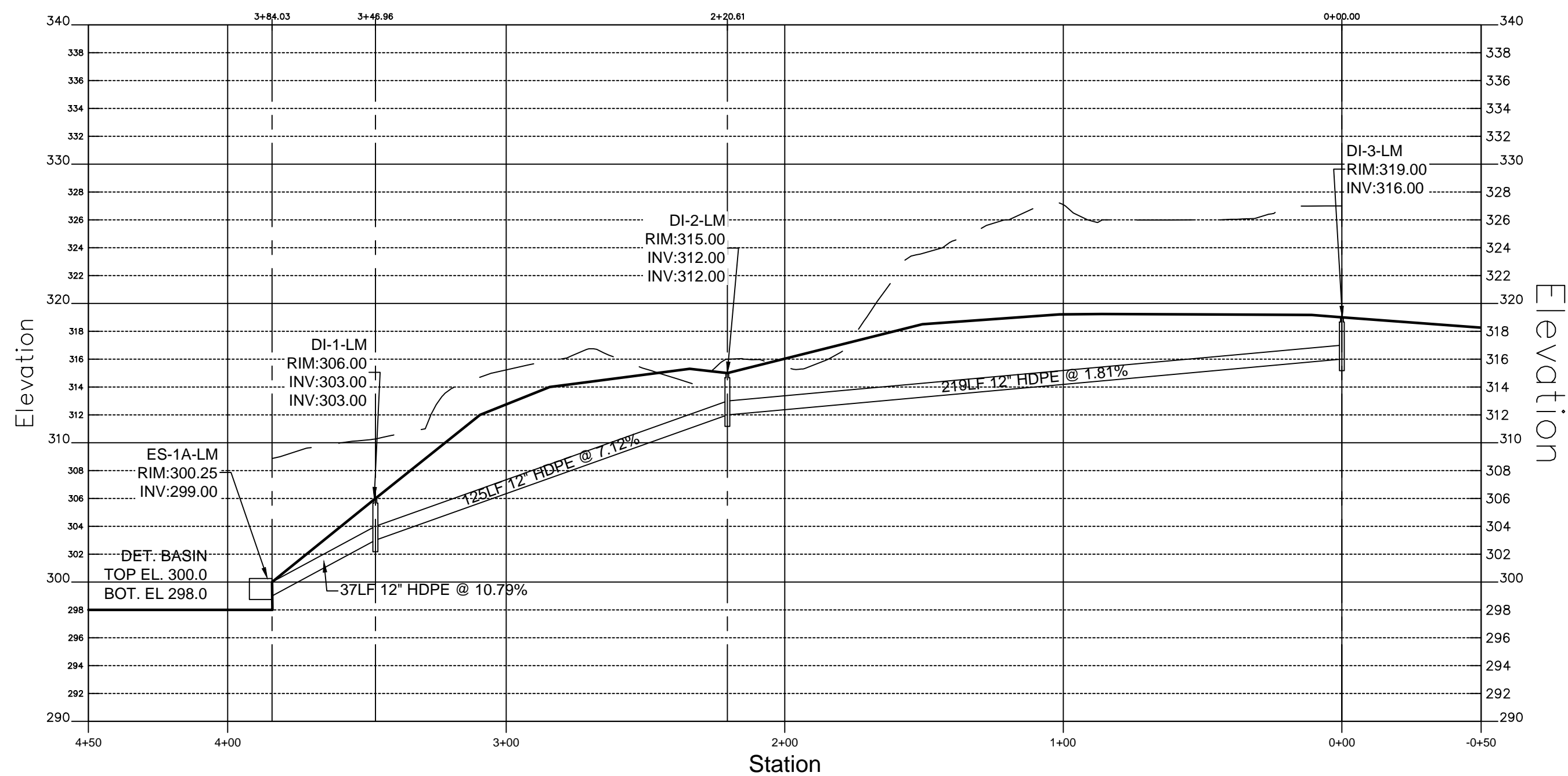
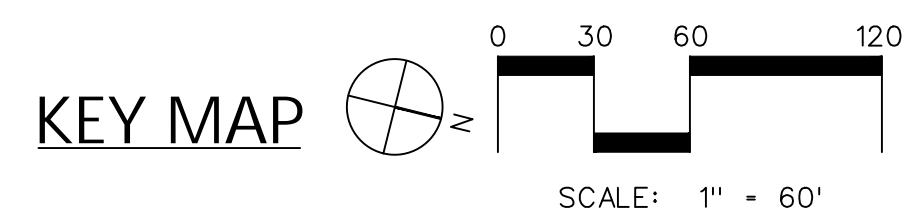
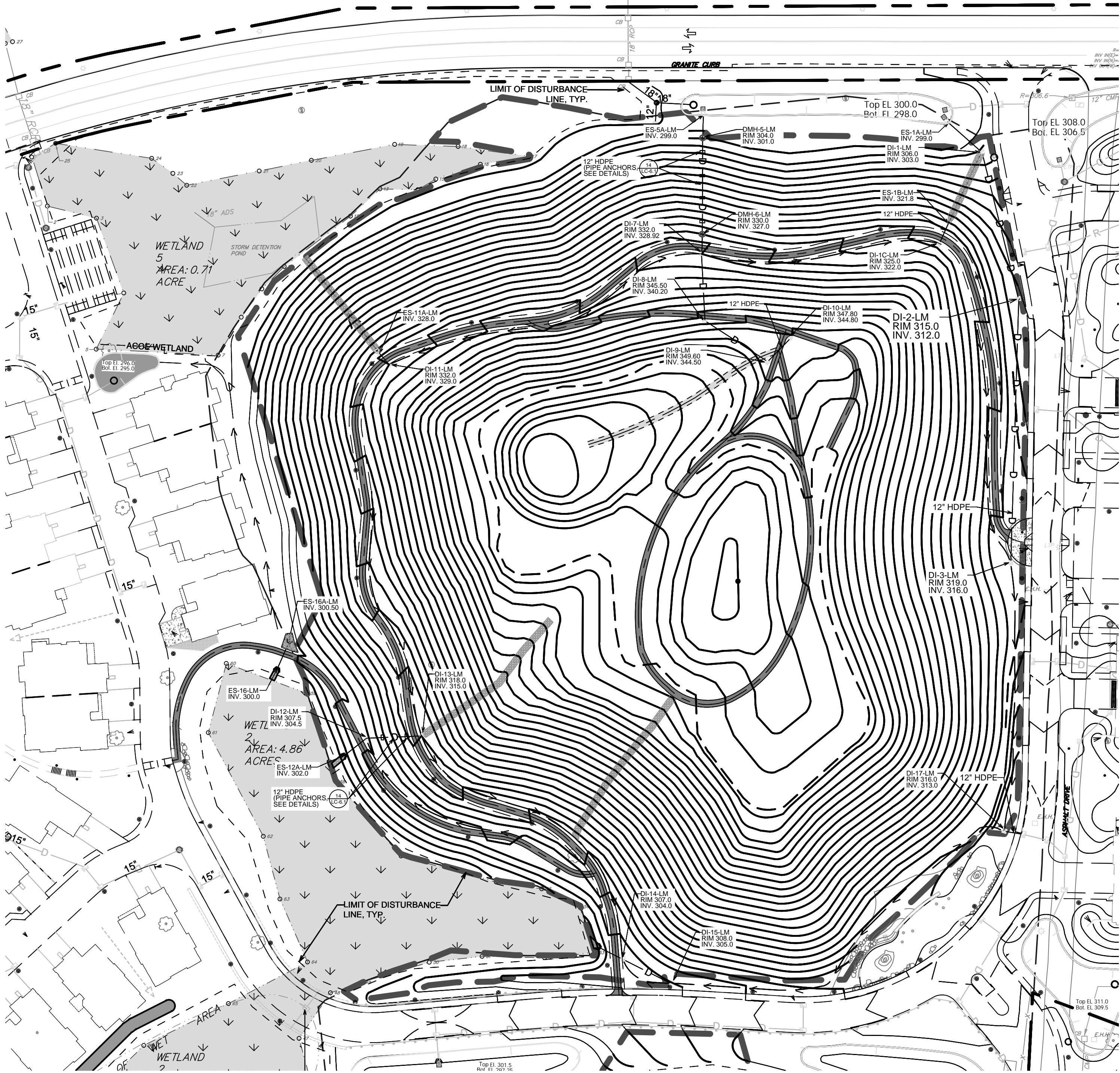
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DATE: 10/01/20

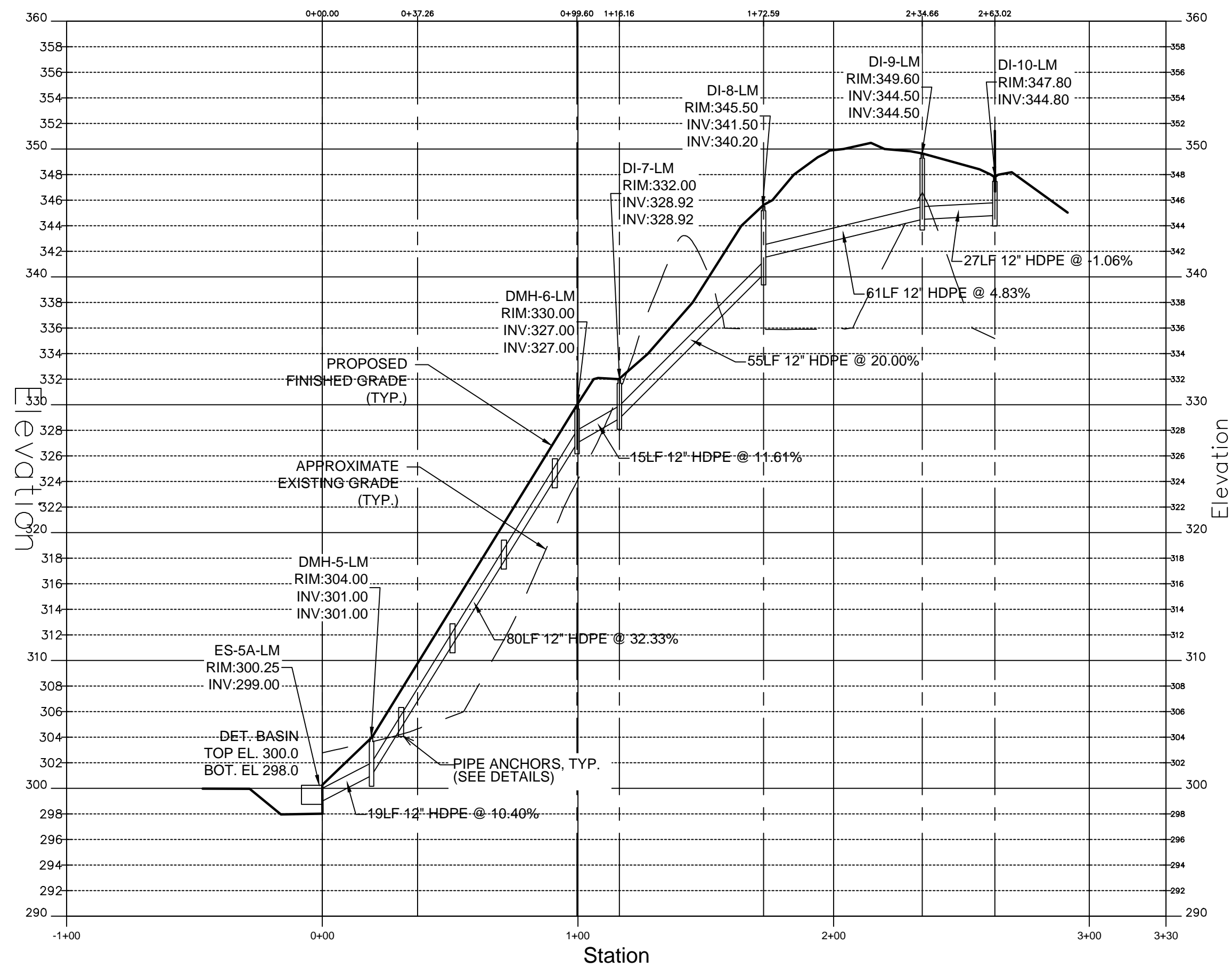
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LC-4.0

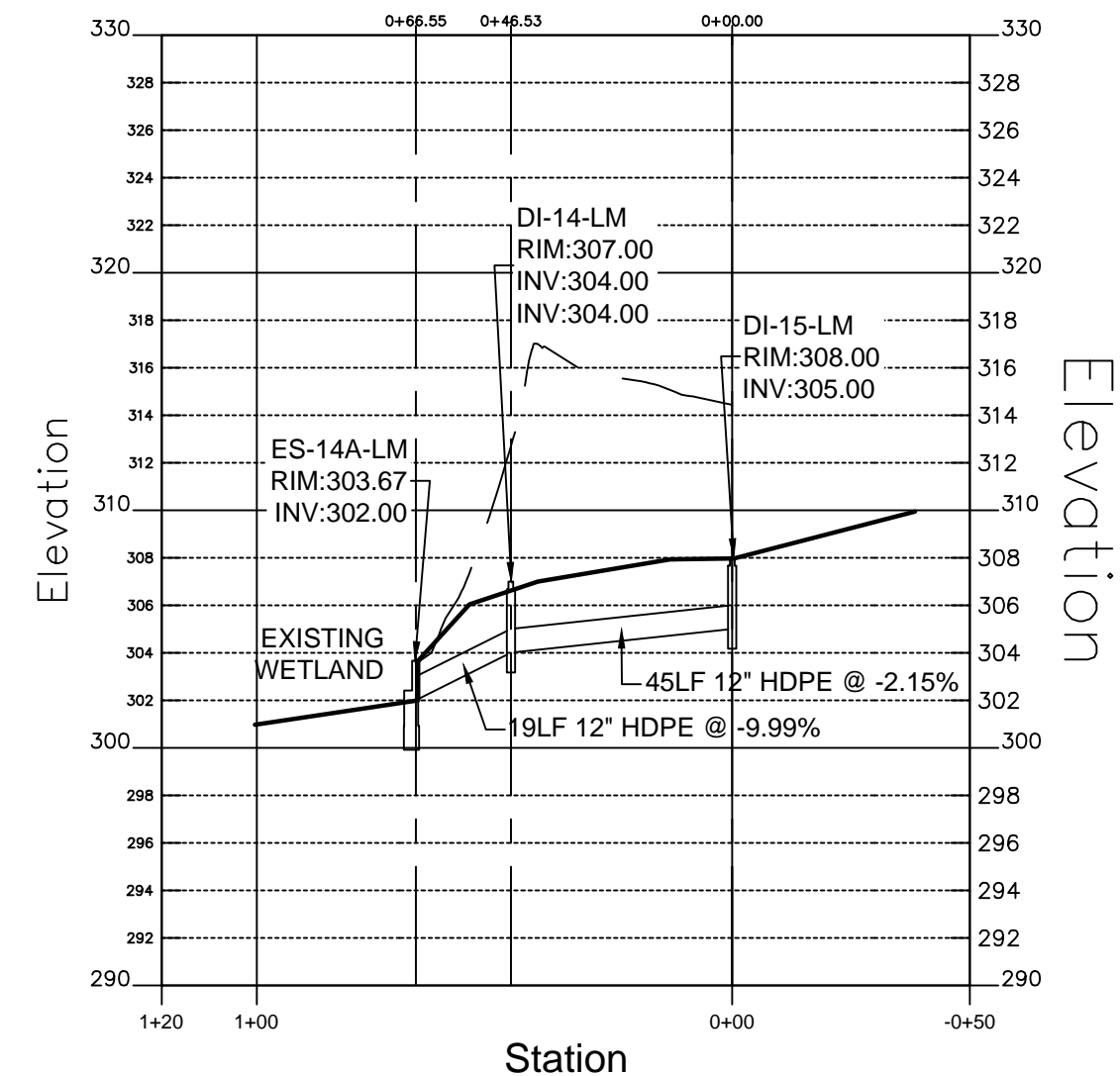




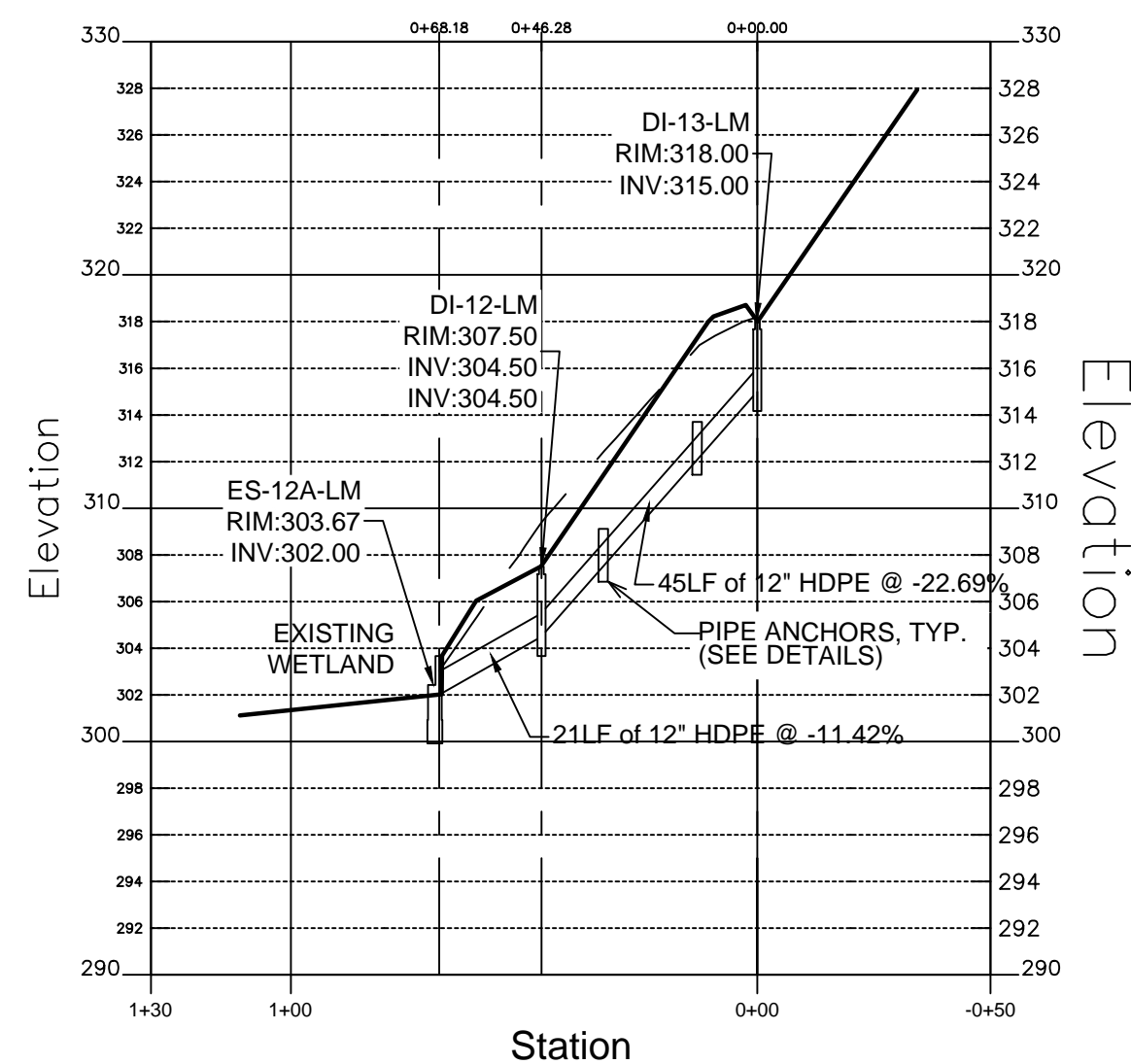
STORM PROFILE: ES-1A-LM (LANDMARK) FROM DI-3-LM



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

Purchase College Learning Corporation  
735 Anderson Hill Road  
Purchase, NY 10577-1402

### PLANNER, CIVIL ENGINEER

## DINNEY • TUNG • SCHWALBE Intelligent Land Use

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Purchase, NY 10577-1402

### LANDSCAPE ARCHITECT

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39 Park Avenue  
Rutherford, NJ 07070

### SURVEYOR

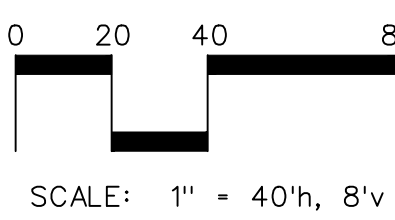
THE CHAZEN COMPANIES  
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### WETLAND CONSULTANT

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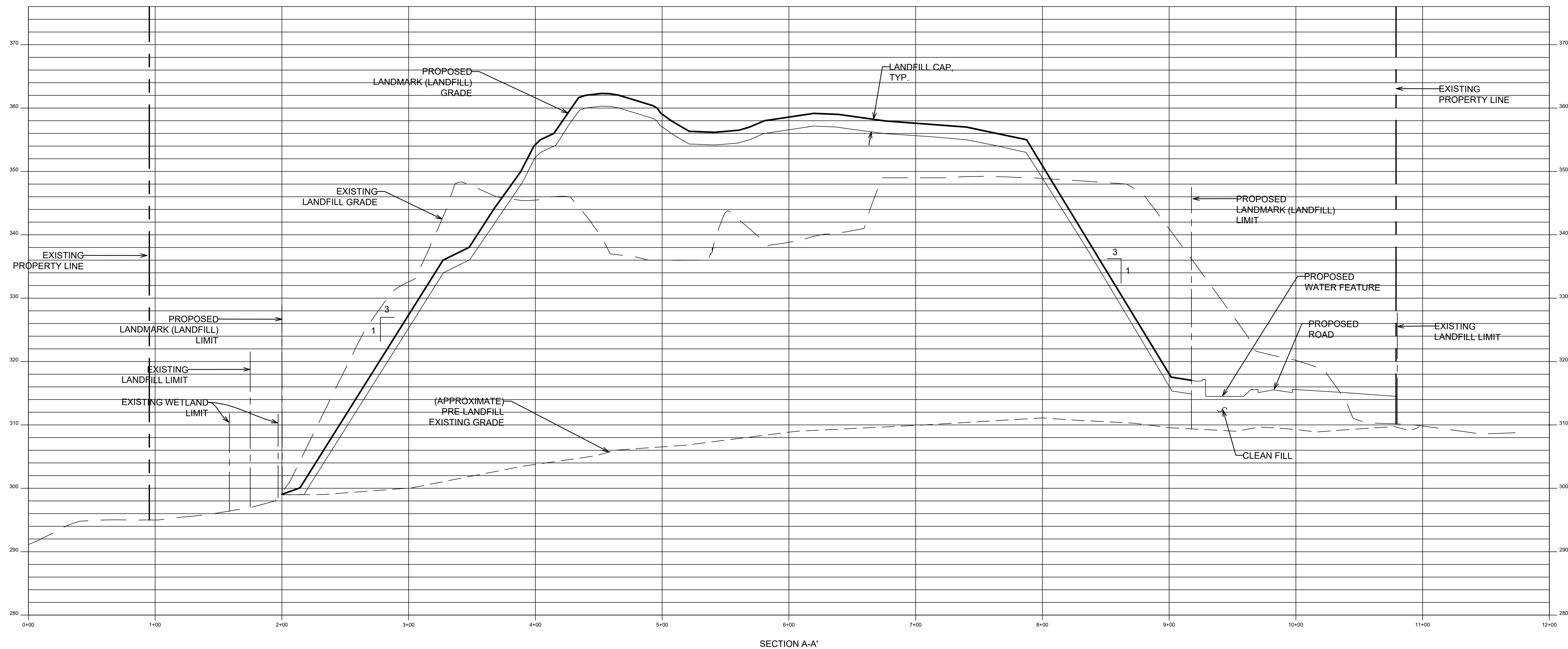
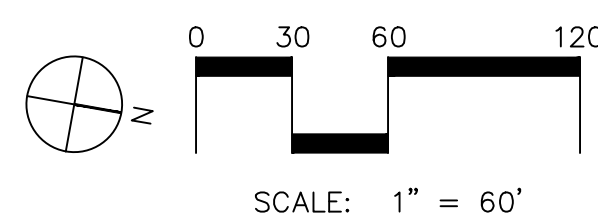
## STORM DRAIN PROFILES



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

LC-4.1





0 20 40 80

SCALE: 1" = 40' / 8'

SUNY  
Purchase College  
LANDFILL CLOSURE  
WORK PLAN

Purchase, New York

NYSDEC CASE No. R3-20180627-127

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Purchase, NY 10577-1402

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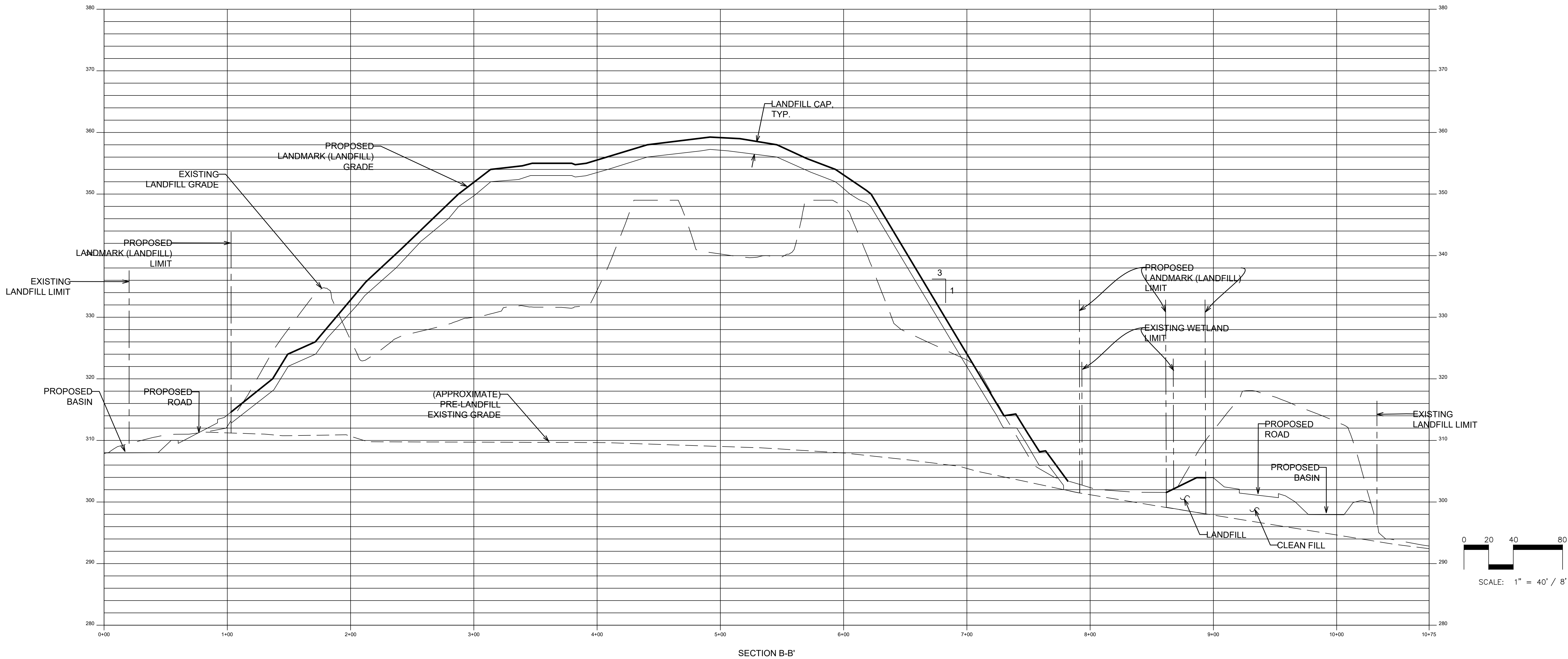
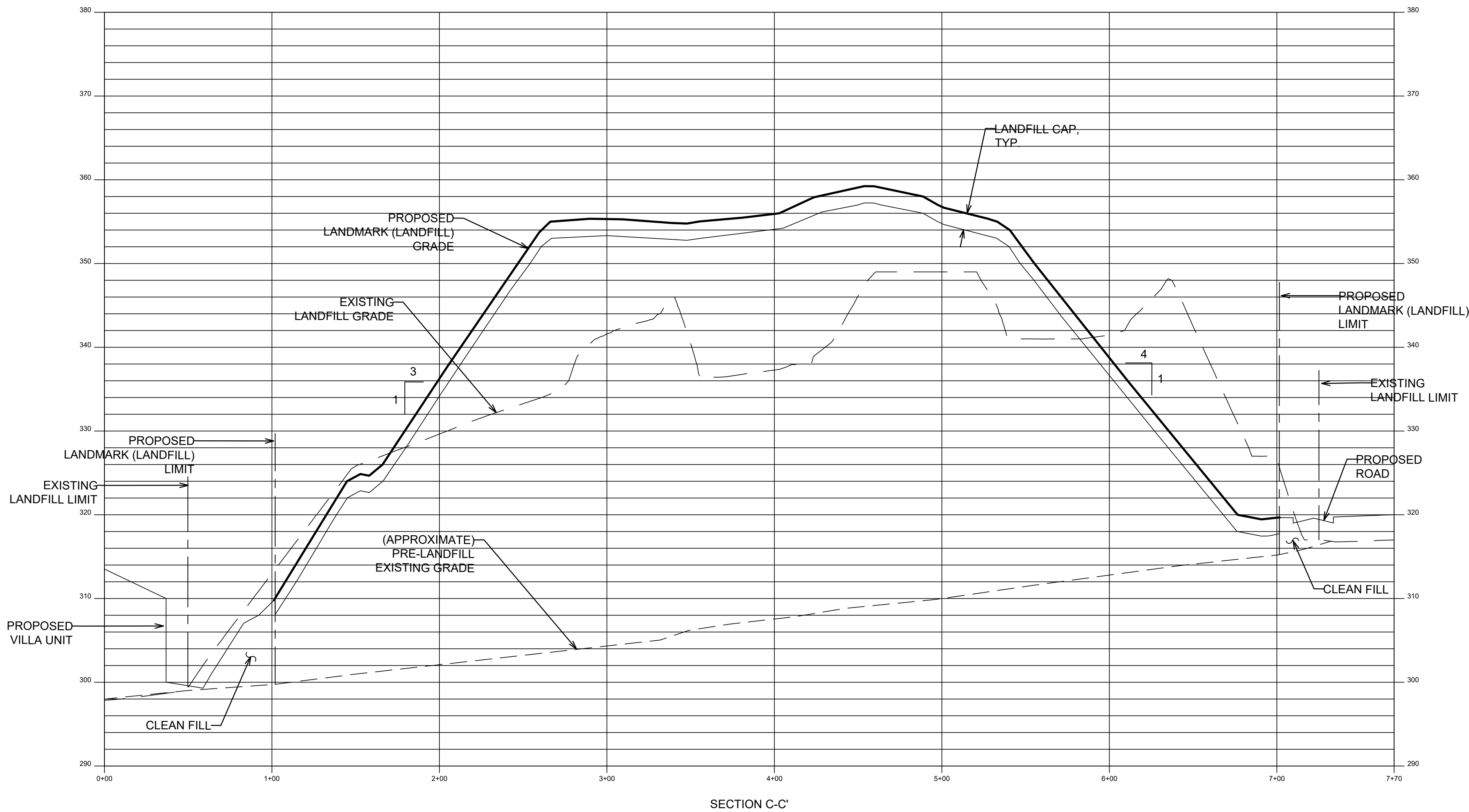
LANDFILL  
CROSS-SECTION



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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

PLANNER, CIVIL ENGINEER

DIVNEY • TUNG • SCHWALBE  
 Intelligent Land Use

Divney Tung Schwalbe, LLP  
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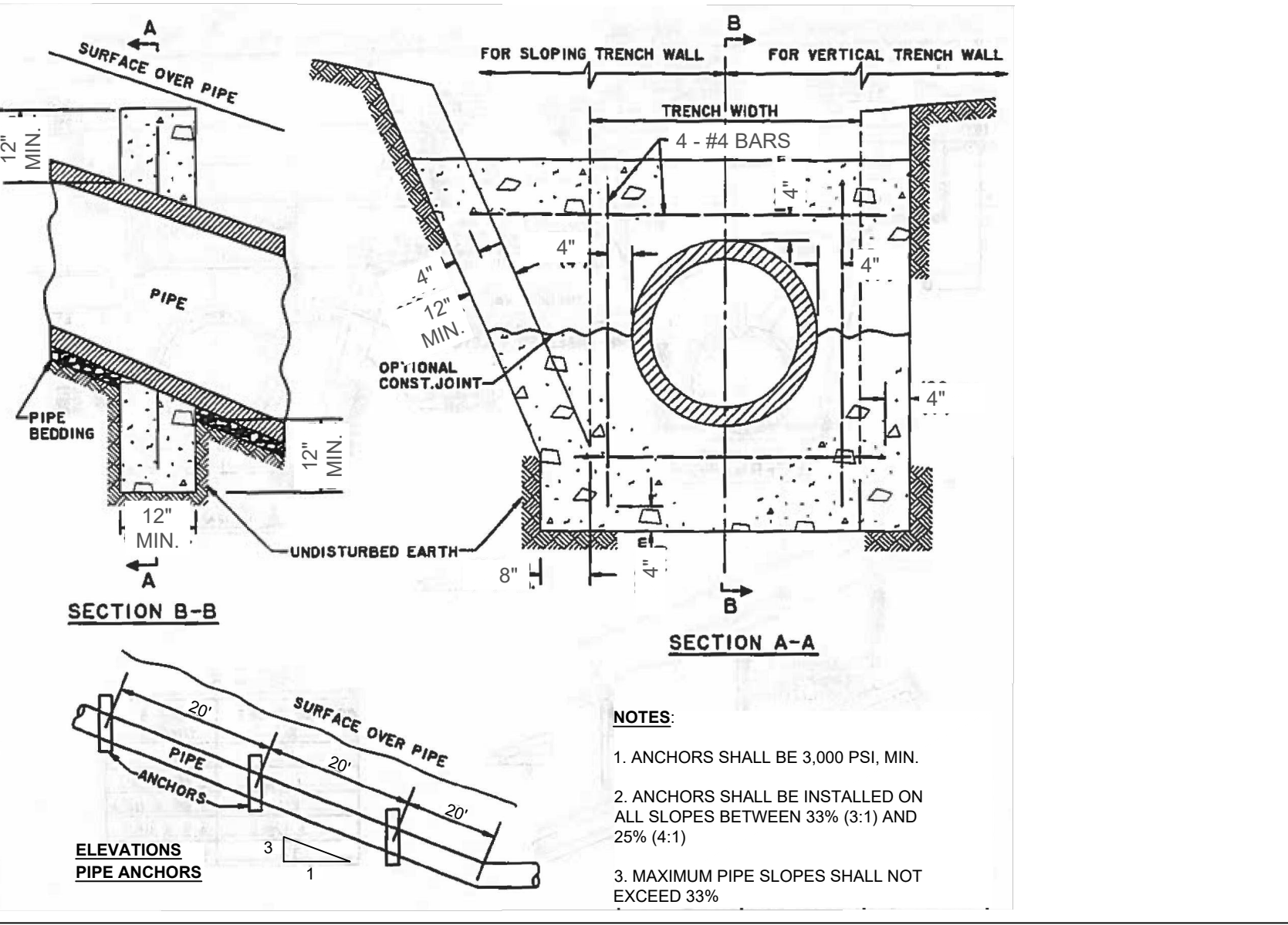
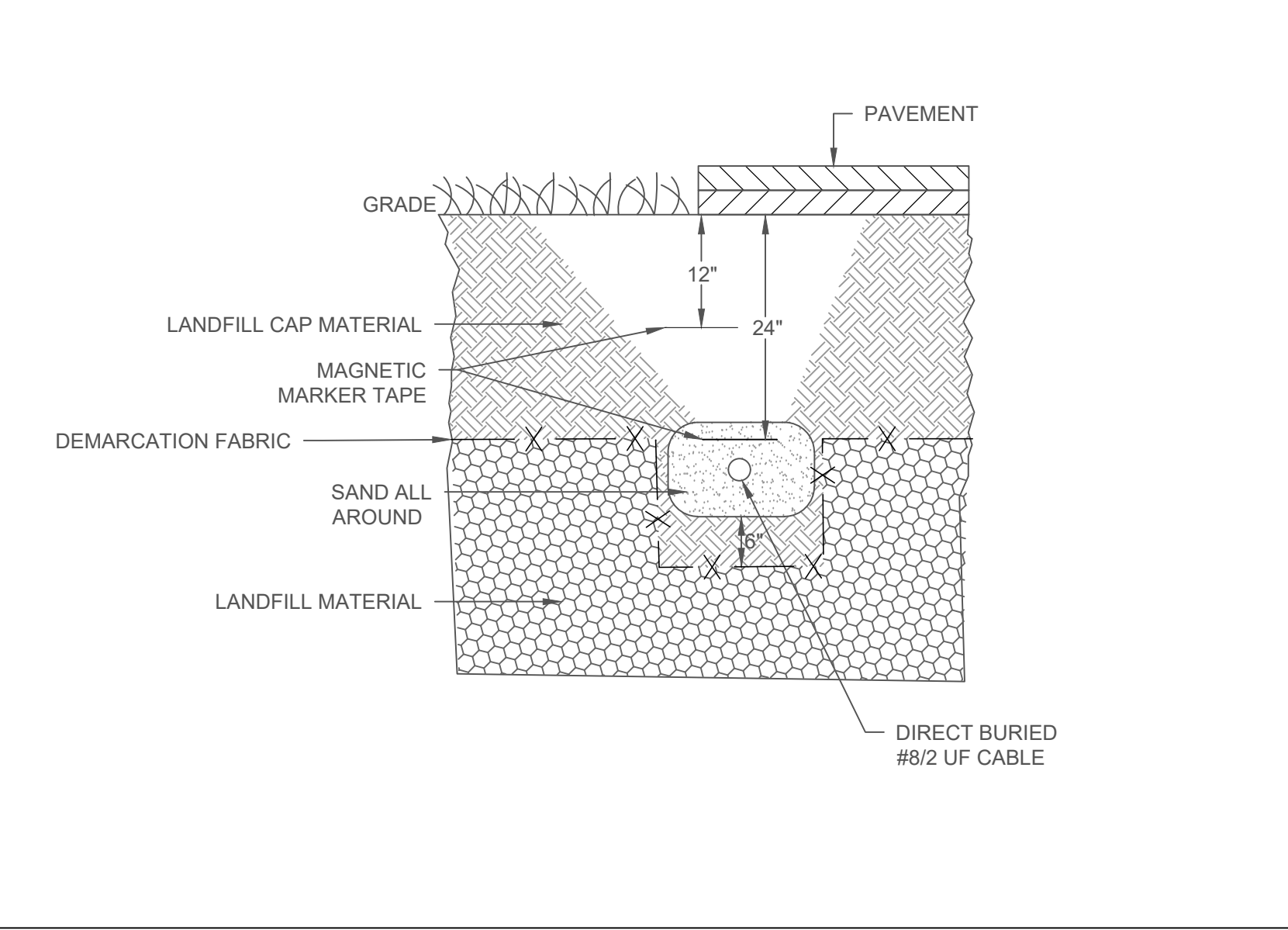
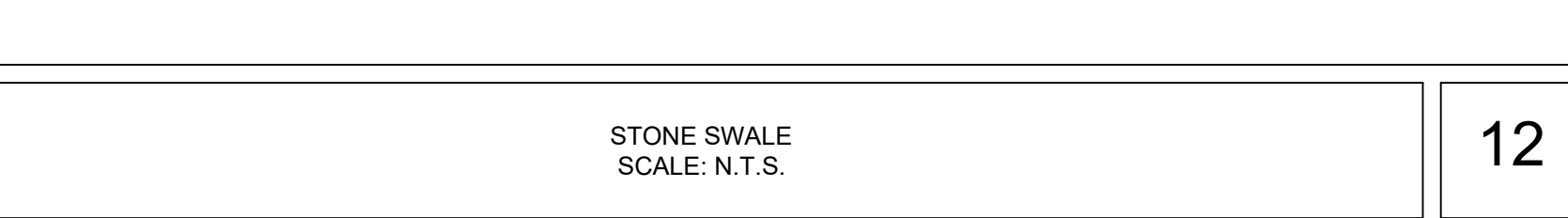
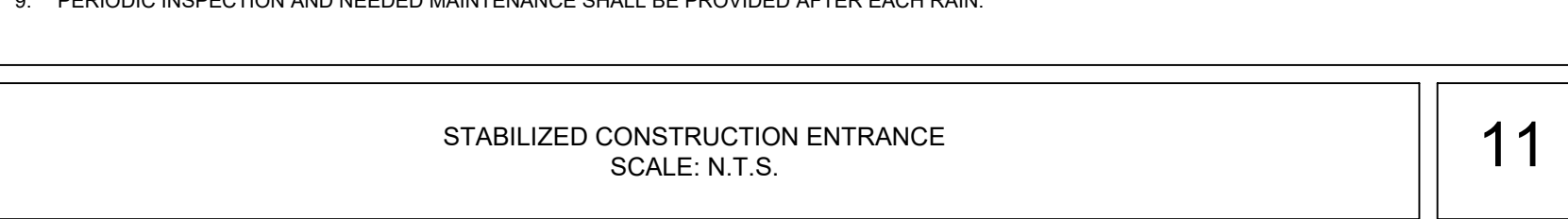
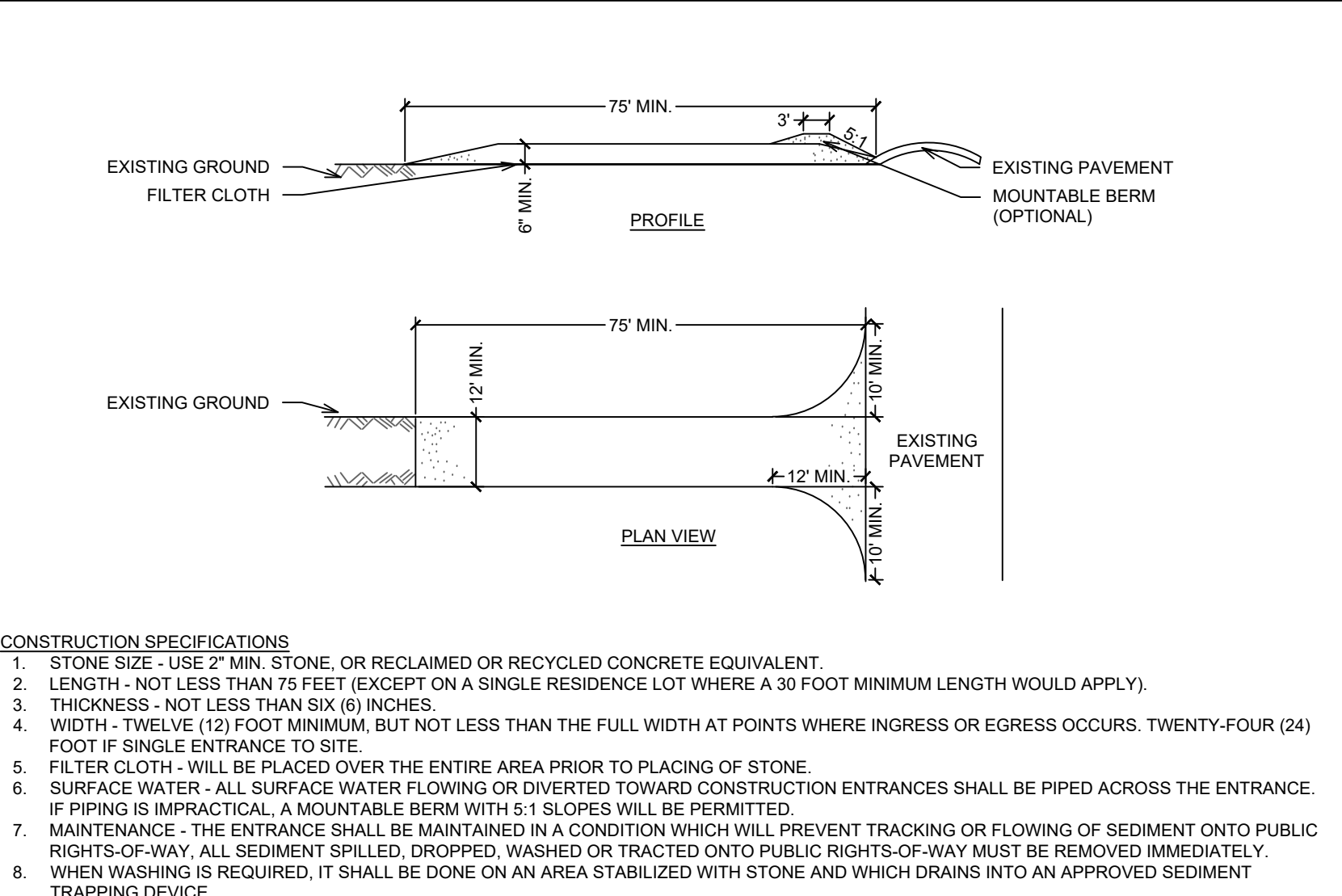
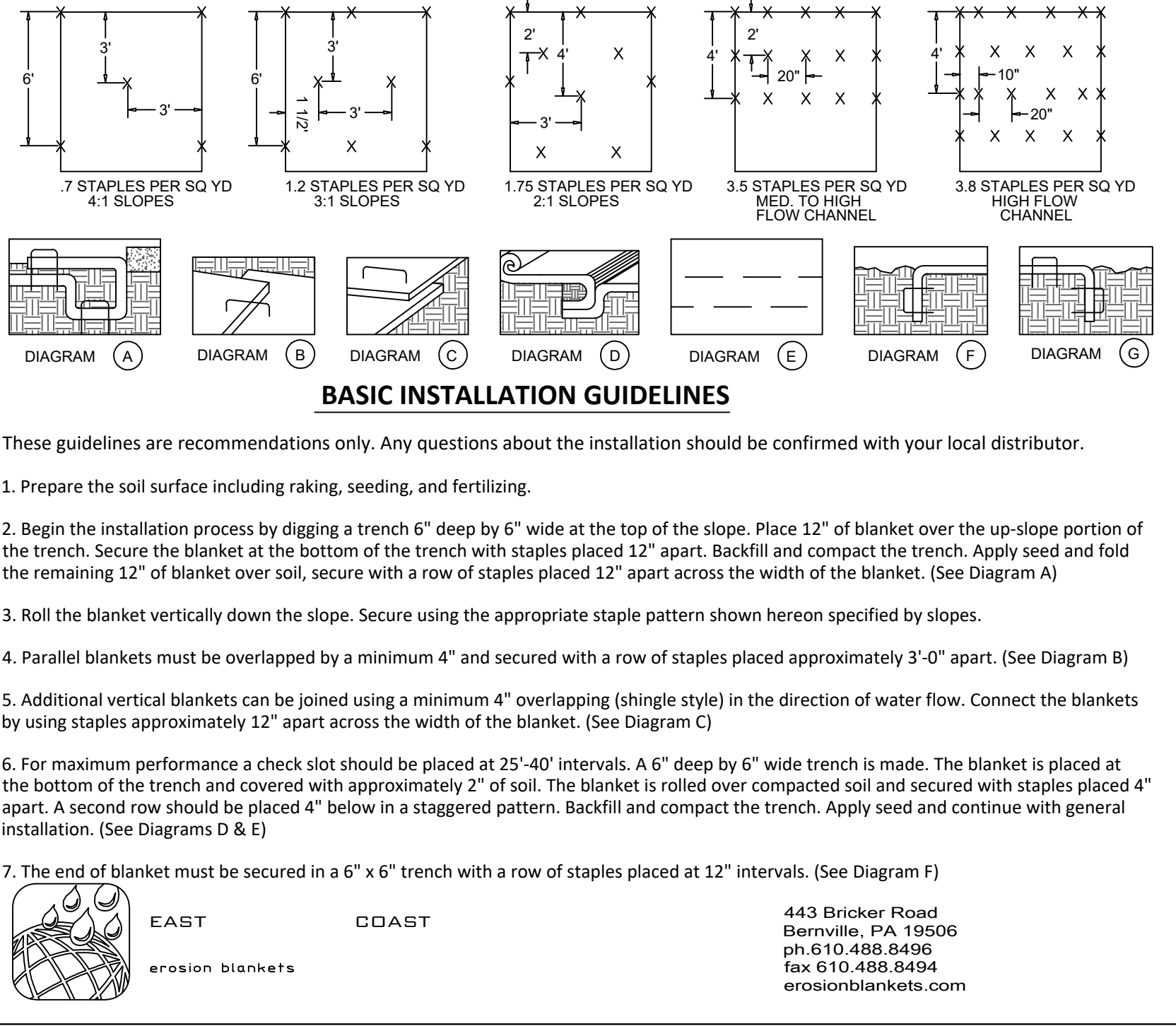
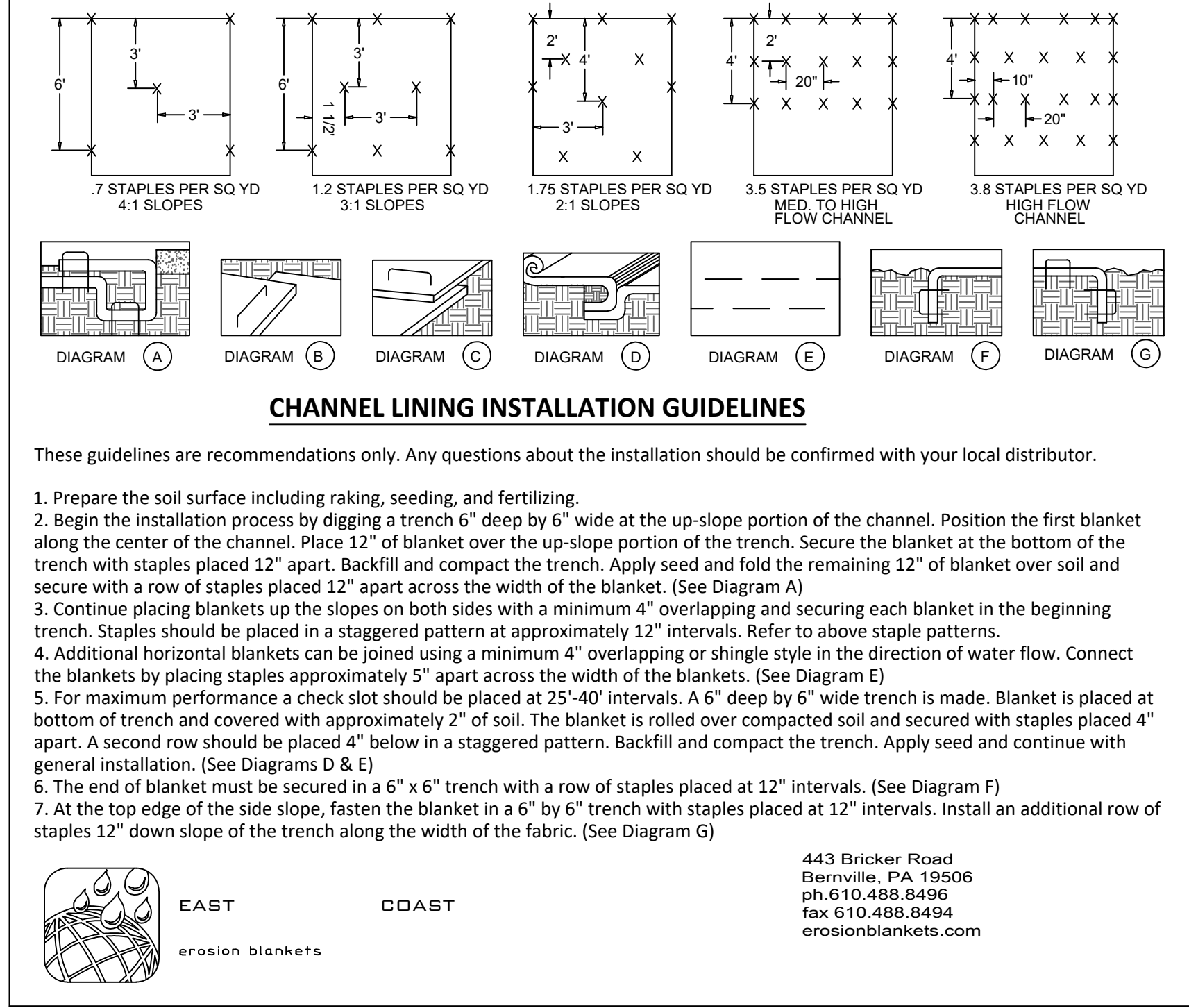
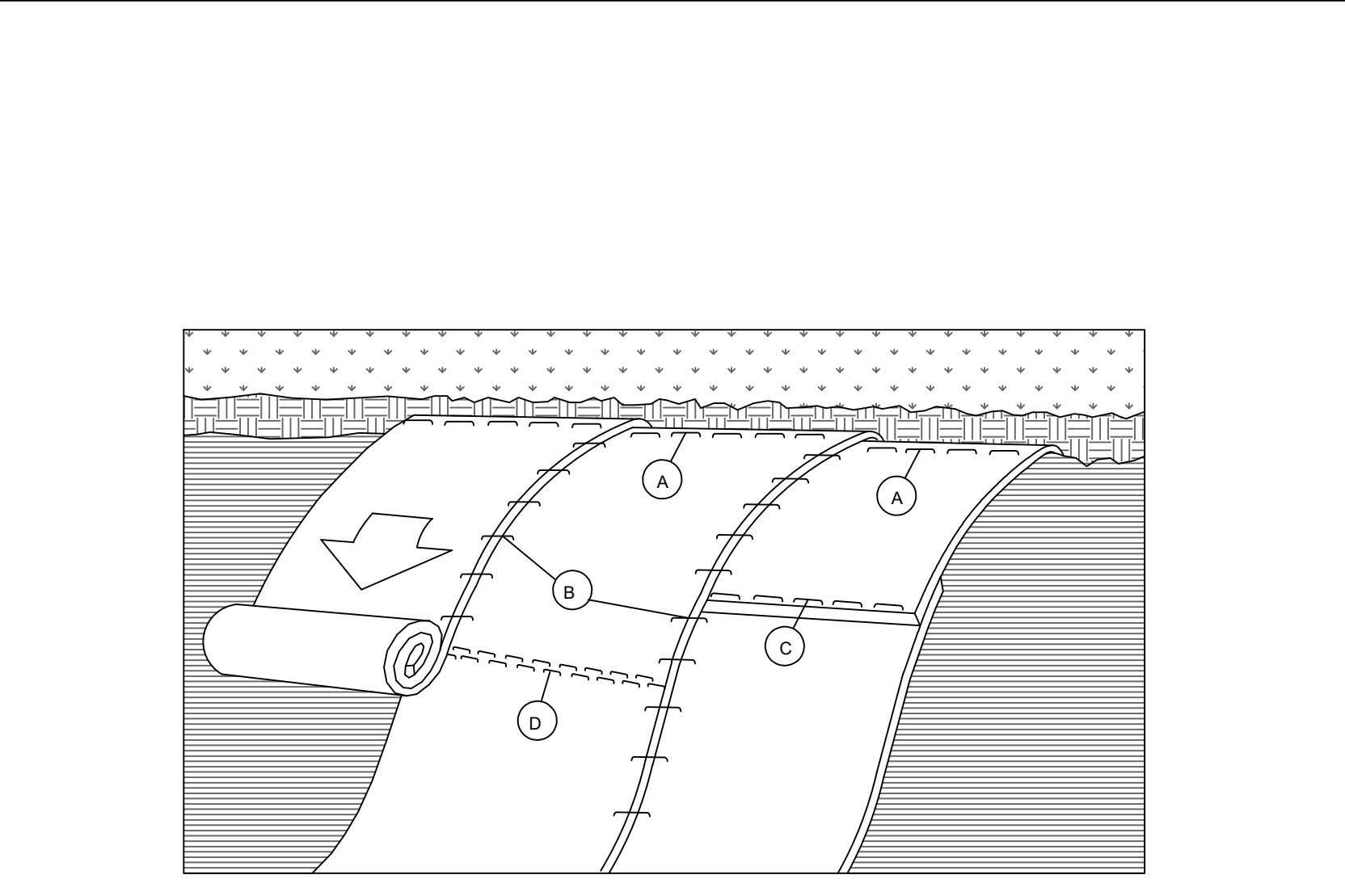
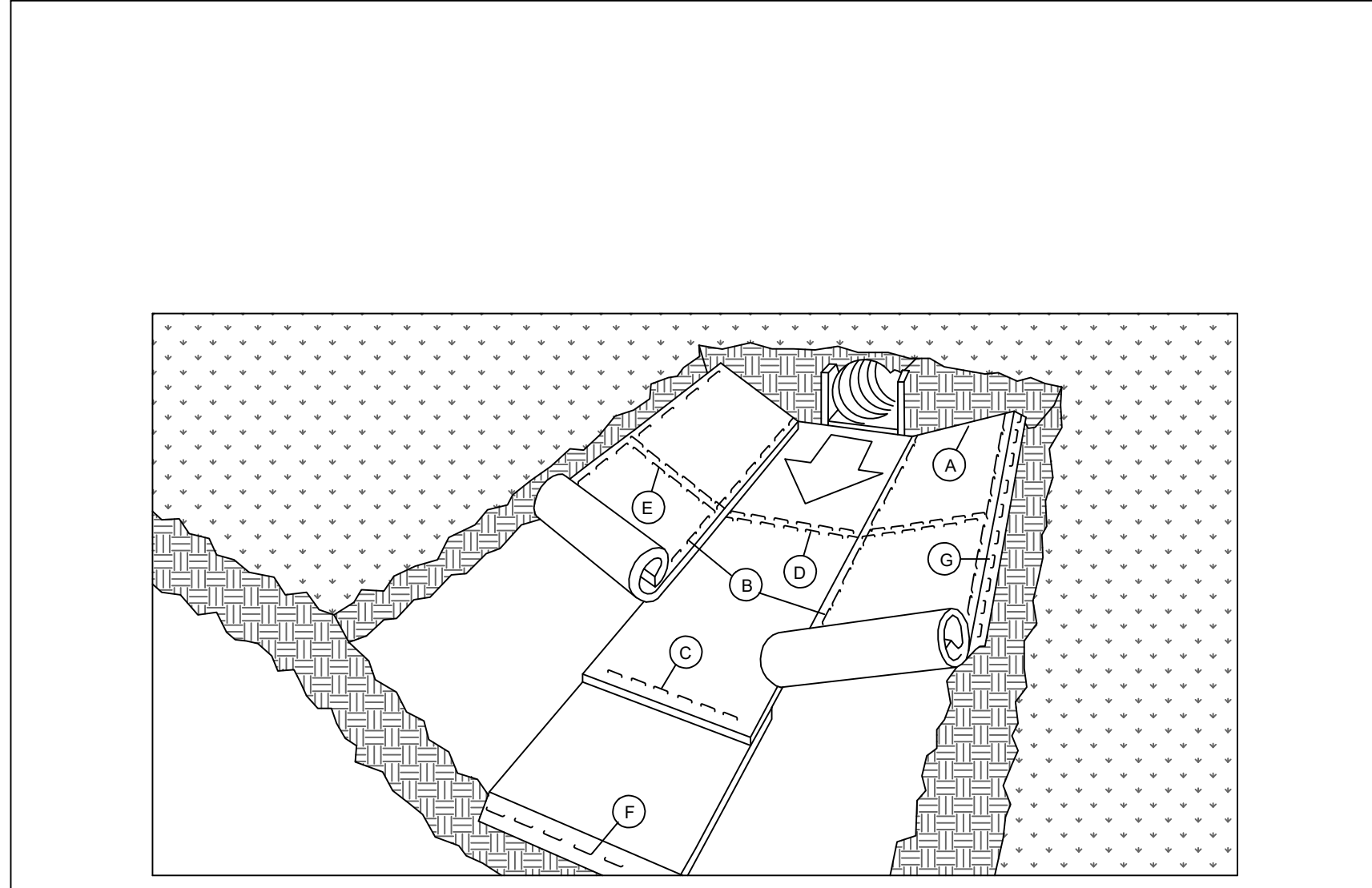
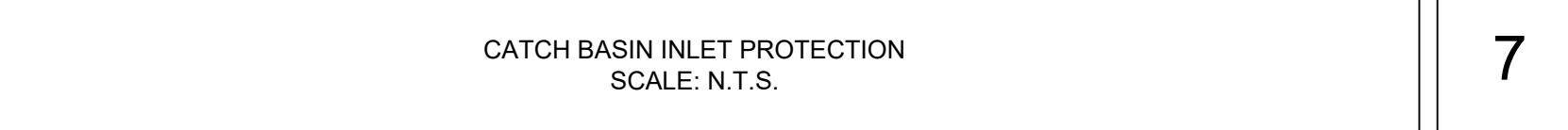
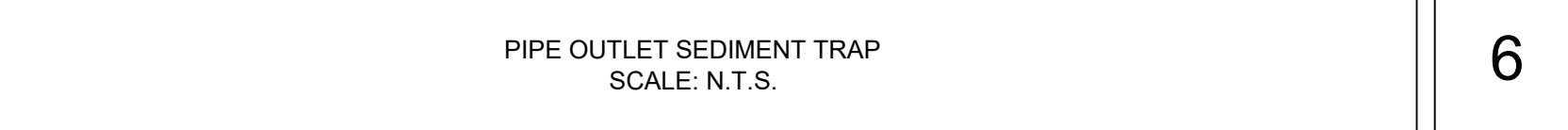
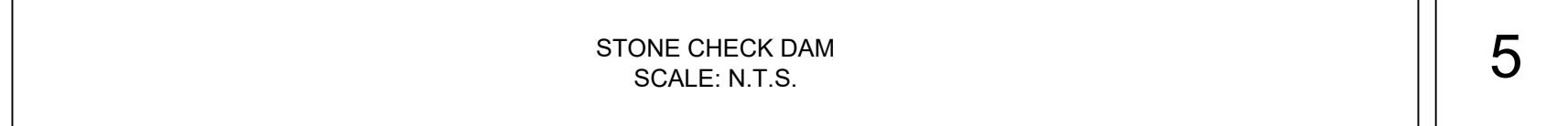
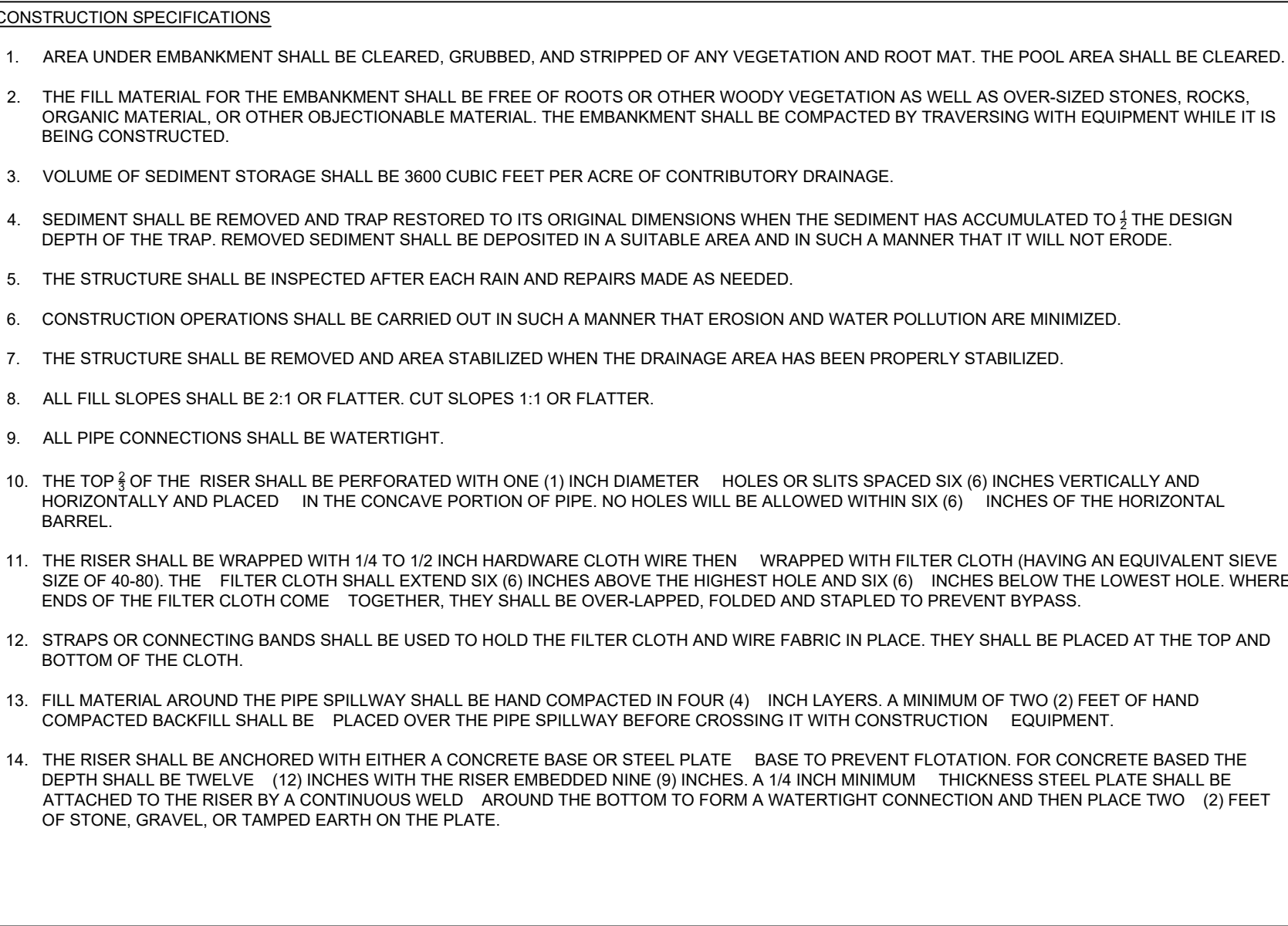
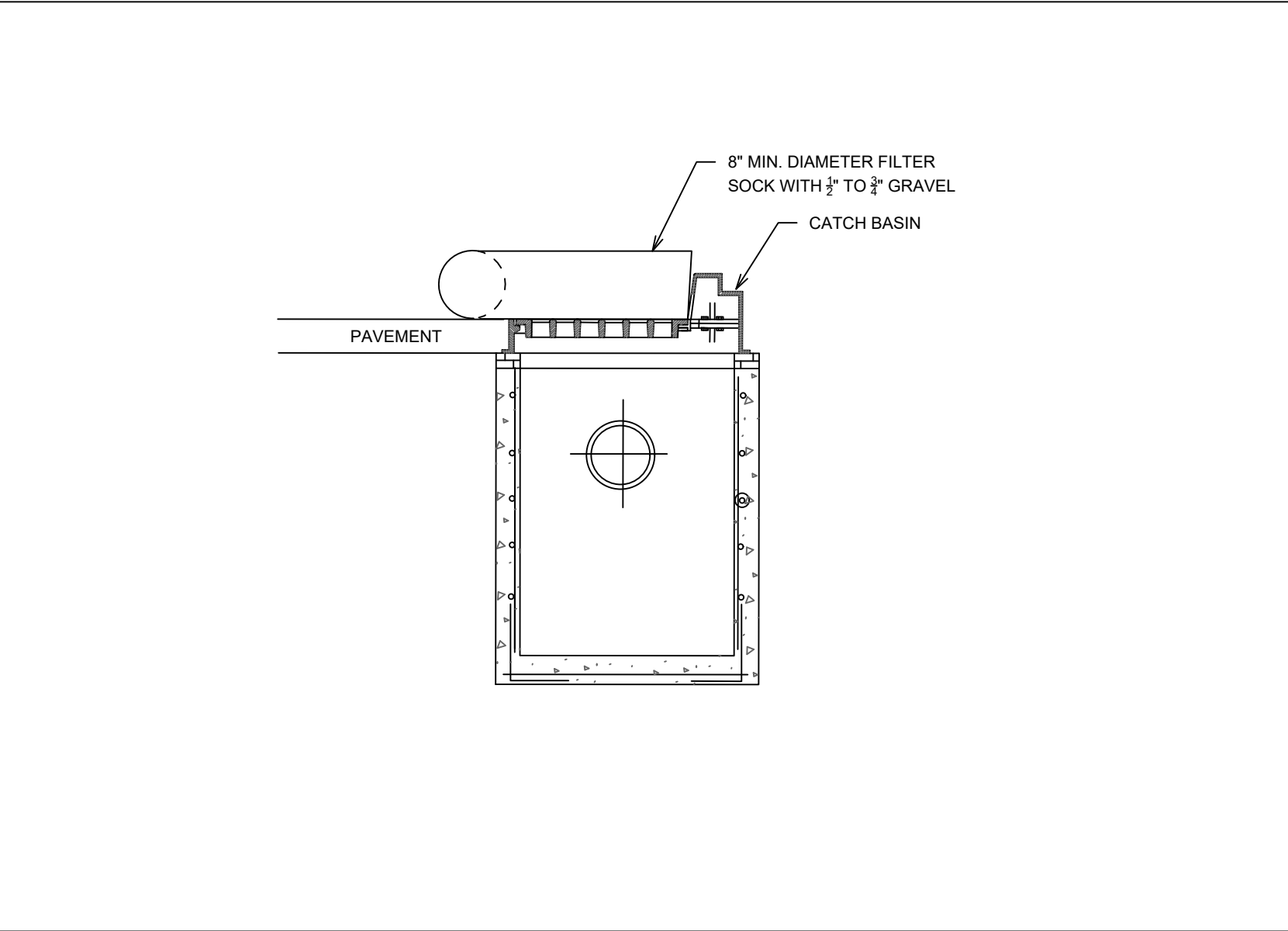
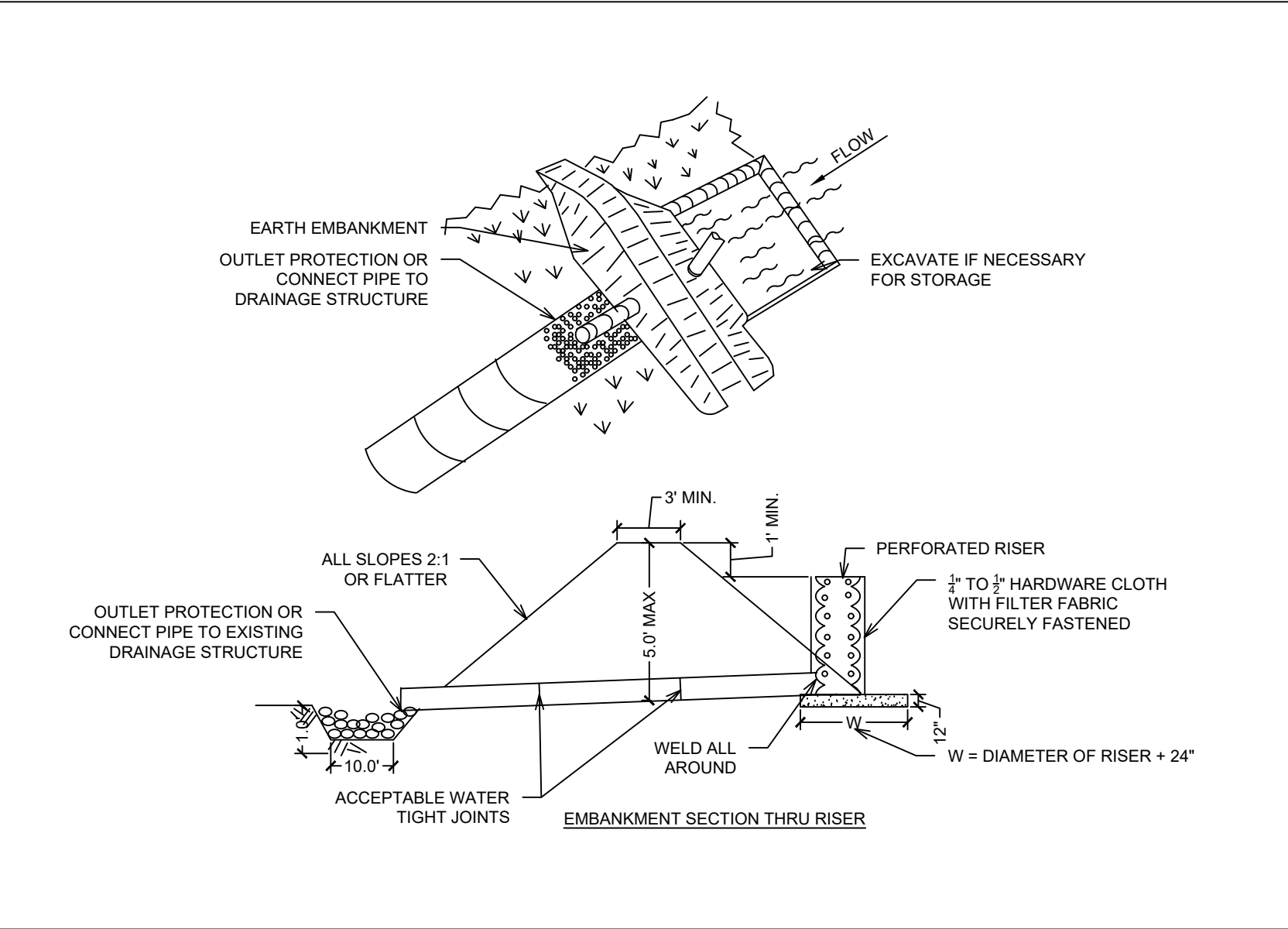
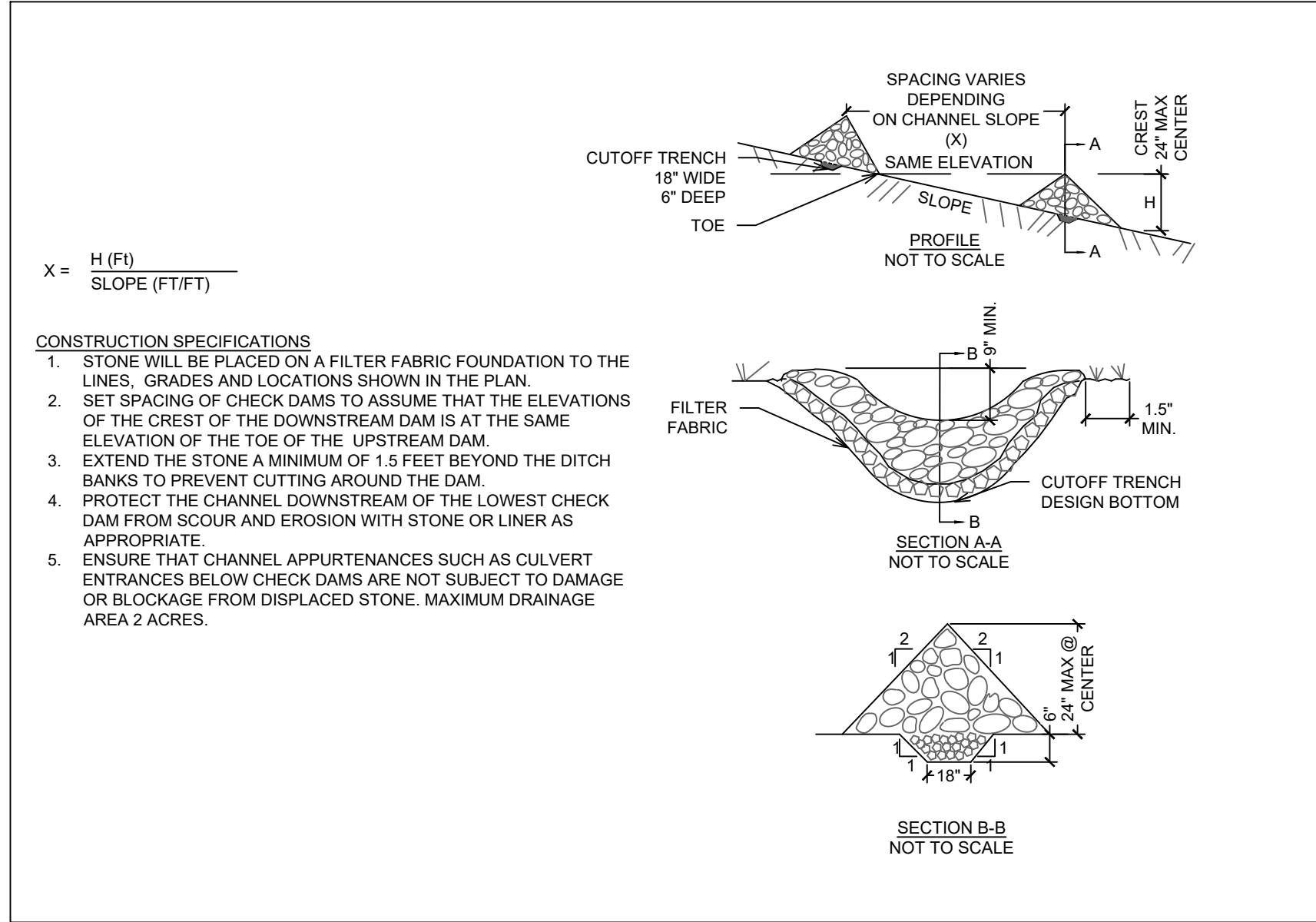
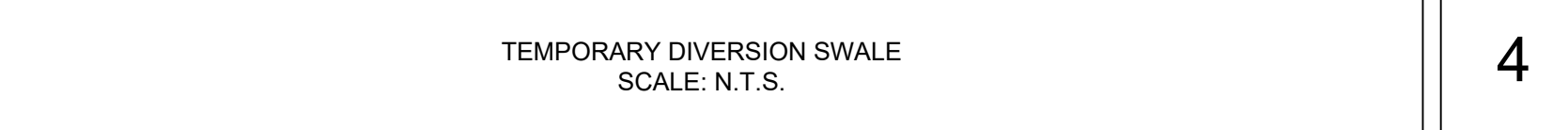
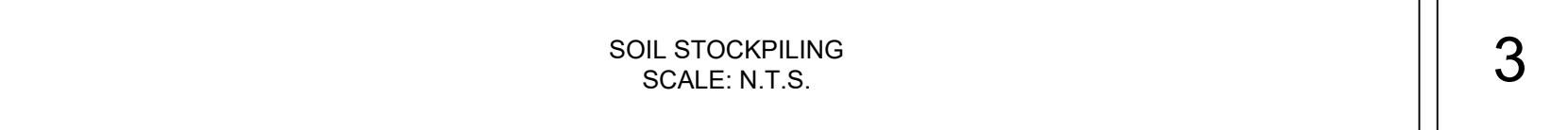
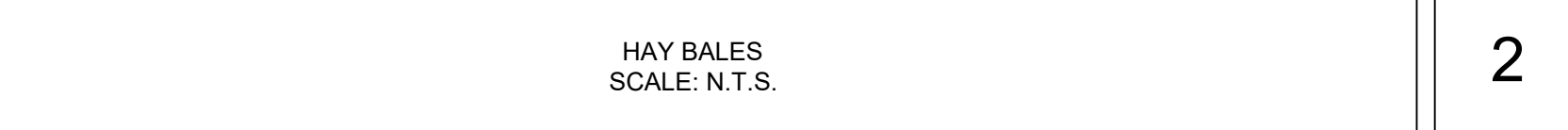
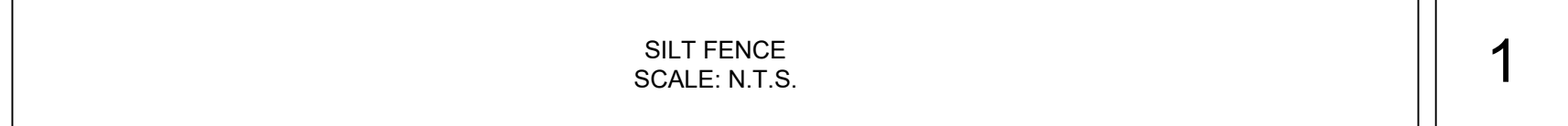
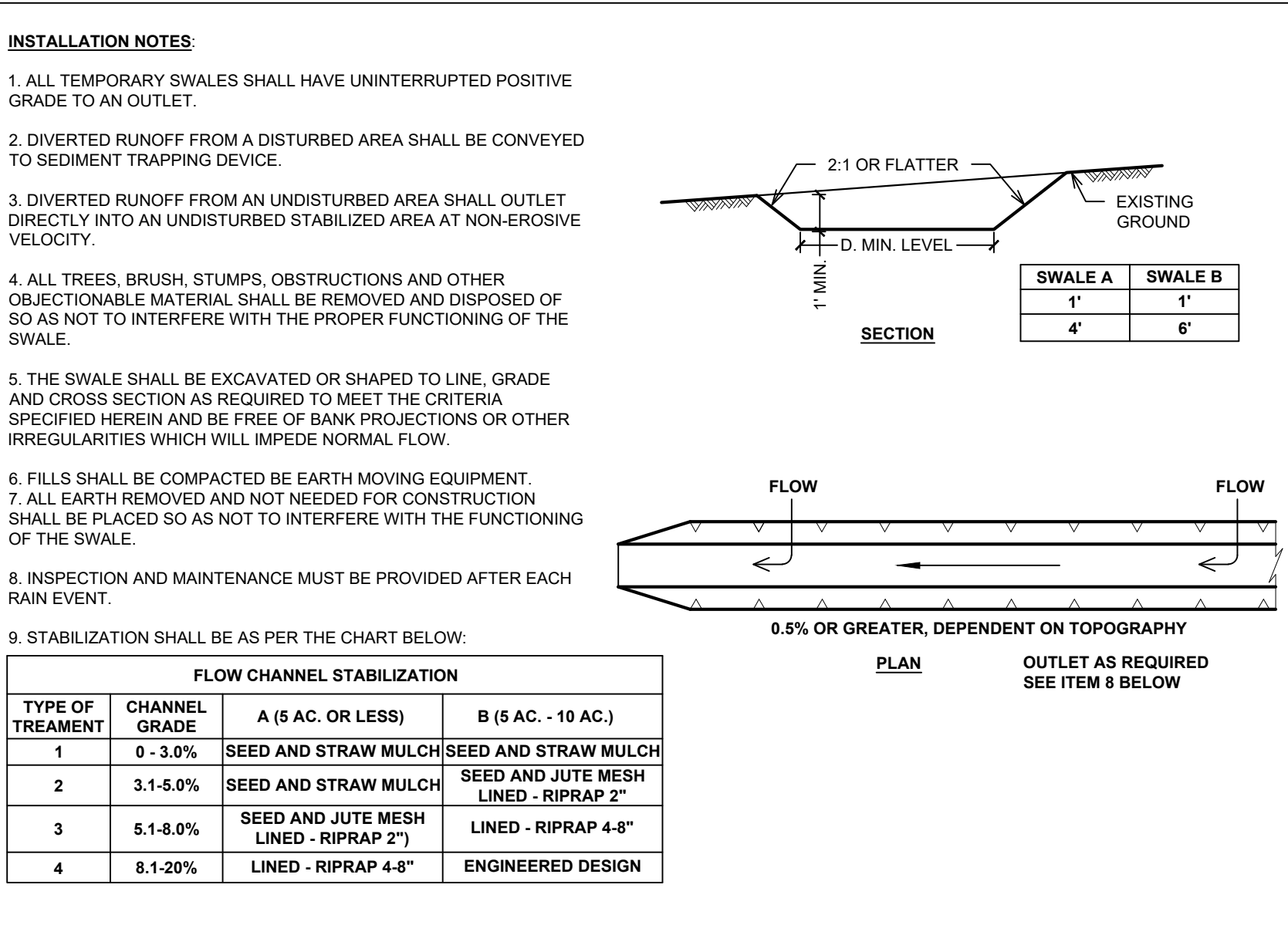
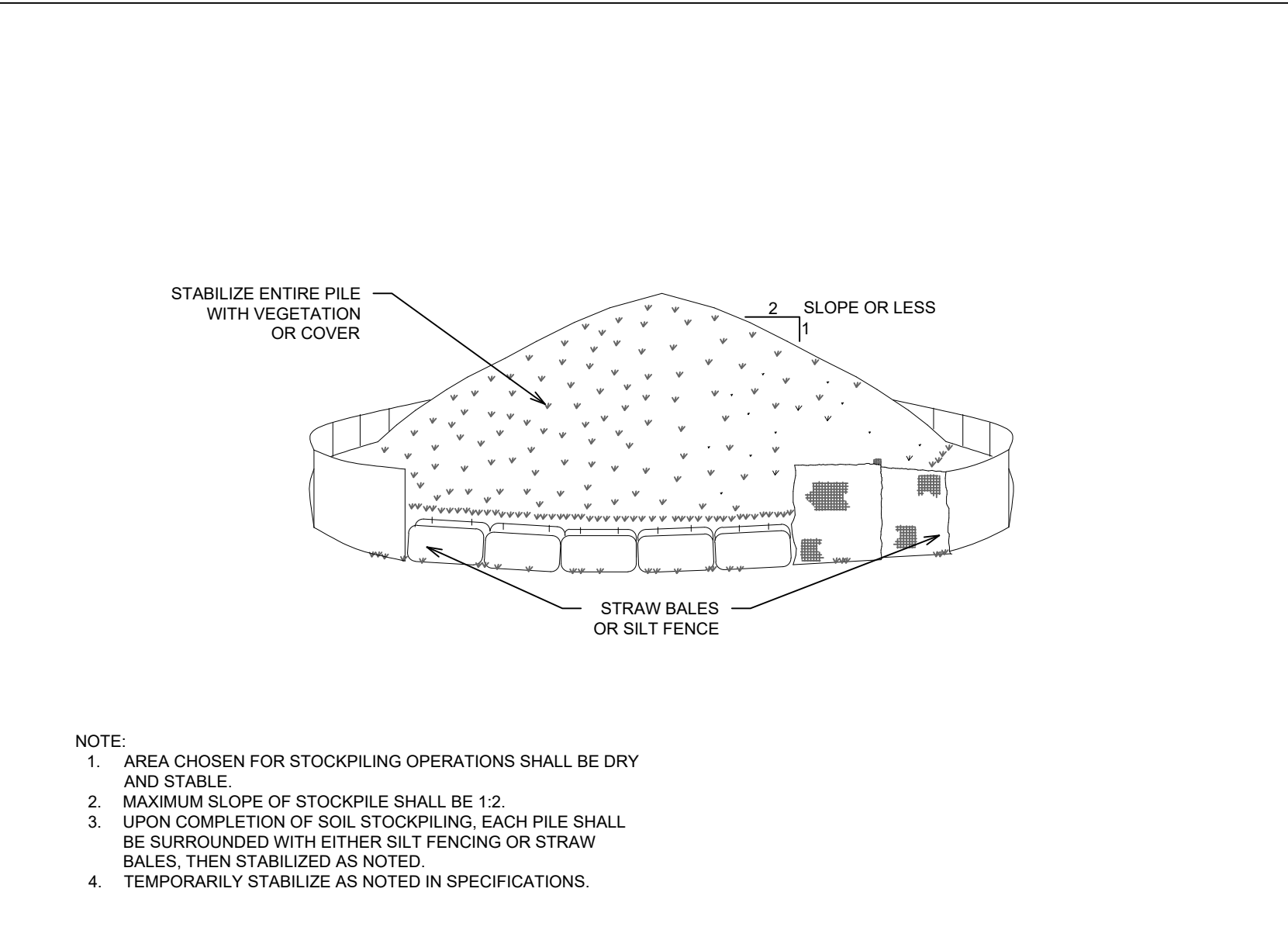
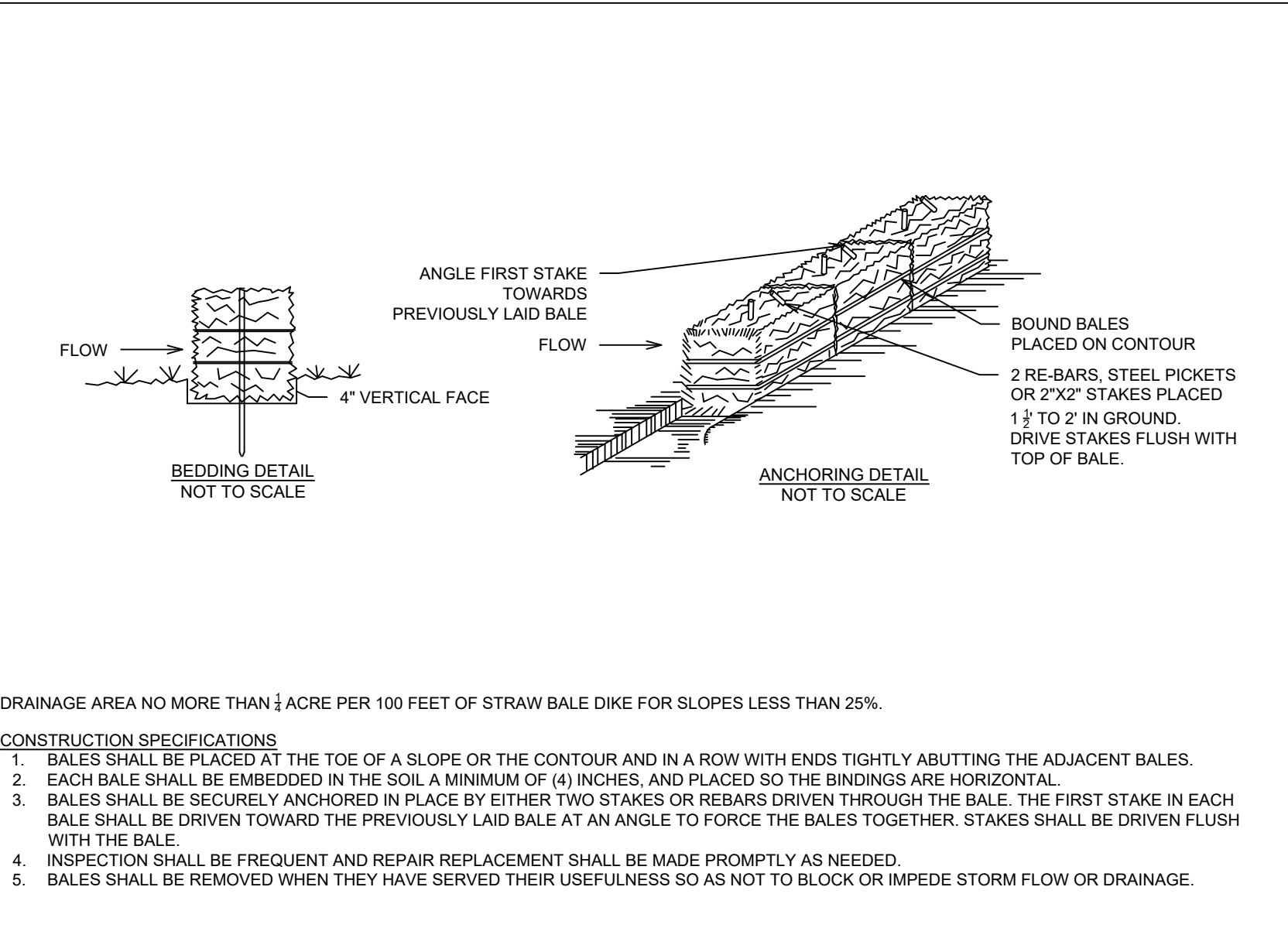
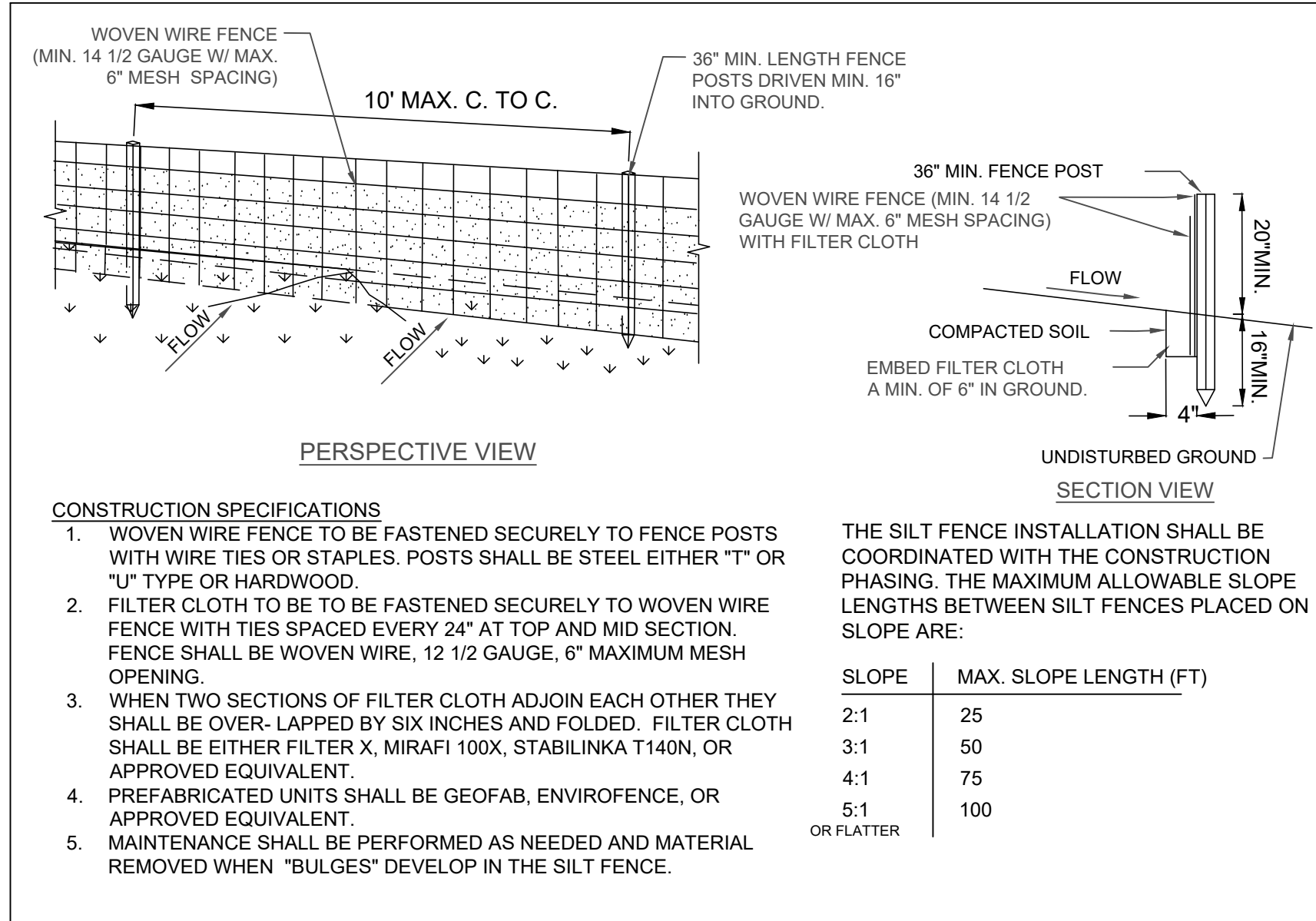
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SUNY  
Purchase College  
LANDFILL CLOSURE  
WORK PLAN  
Purchase, New York

NYSDEC CASE No. R3-20180627-127

APPLICANT  
Purchase College Learning Corporation  
735 Anderson Hill Road  
Purchase, NY 10577-1402

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WETLAND CONSULTANT

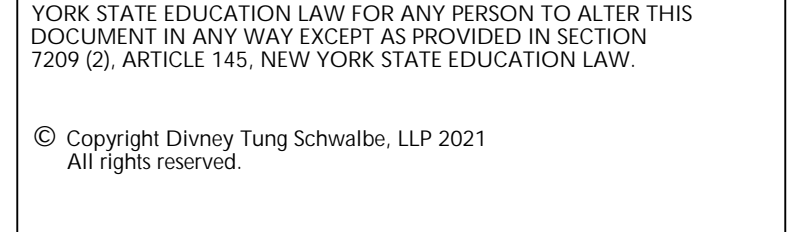
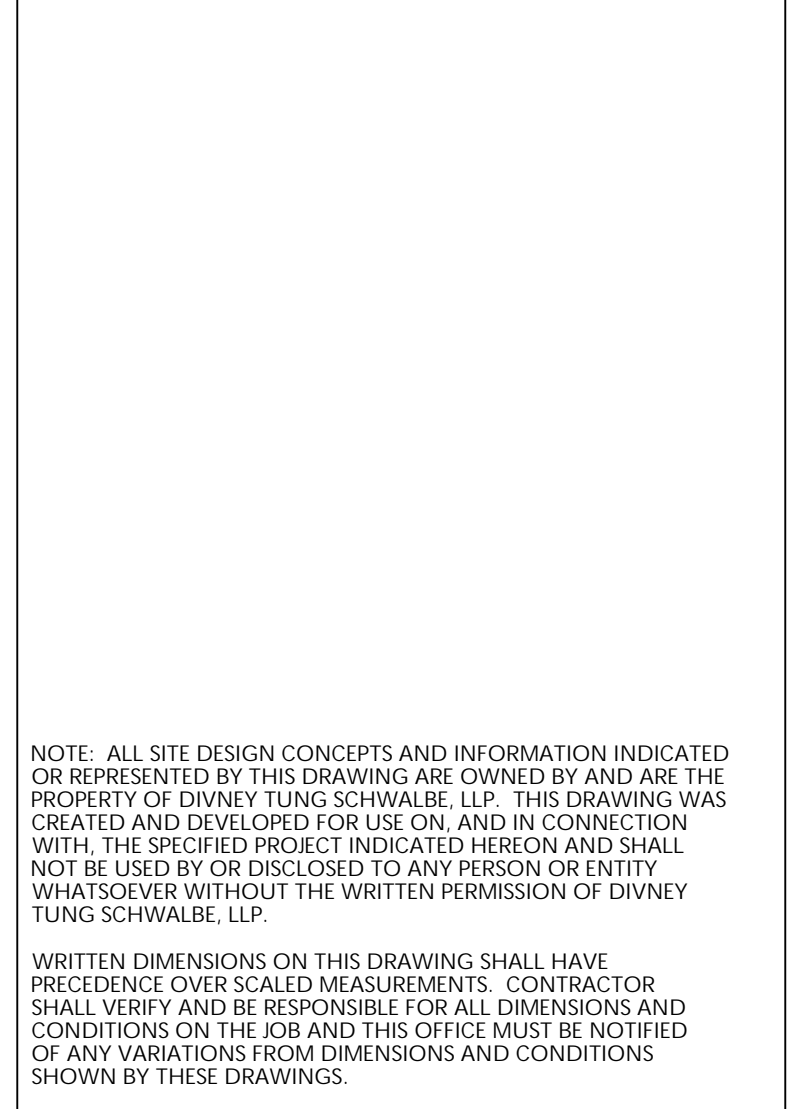
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195 Turnxis Hill Cutoff South  
Fairfield, CT 06425

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GENERAL NOTES

8



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LANDFILL CAPPING  
DETAILS

STATE OF NEW YORK  
JEROME M. MARTIN  
Professional Engineer  
084469

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PROJECT NO. 796  
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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
EVERGREEN TREES	<i>Picea glauca</i>	White Spruce
	<i>Pinus strobus</i>	Eastern White Pine
	<i>Thuja occidentalis</i>	Arborvitae
ORNAMENTAL TREES	<i>Amelanchier canadensis</i>	Amelanchier
	<i>Betula populifolia</i>	Grey Birch
	<i>Salix discolor</i>	American Pussy Willow
DECIDUOUS SHRUBS	<i>Aronia arbutifolia</i>	Red Chokeberry
	<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</i> 'Gro-Low'	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</i> sp.	Blazing Stars
	<i>Rudbeckia triloba</i>	Black-Eyed Susan
	<i>Solidago</i> sp.	Goldenrod
SEED MIX	Butterfly Meadow Seed Mix	Emmx 179
	Meadow Seed Mix	Emmx 122
	Seeded Lawn Mix	Emmx 113

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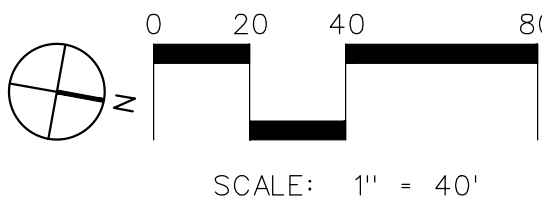
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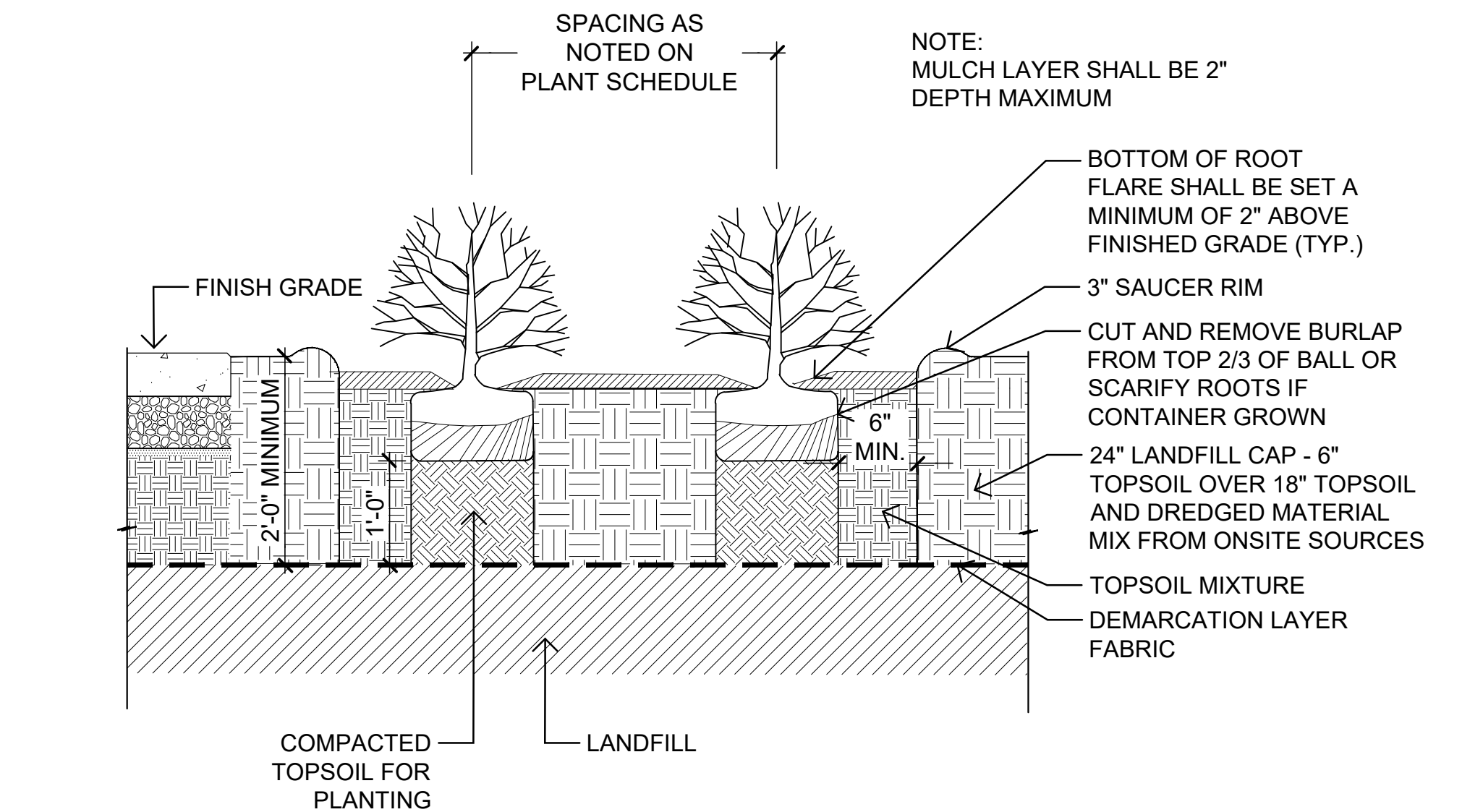
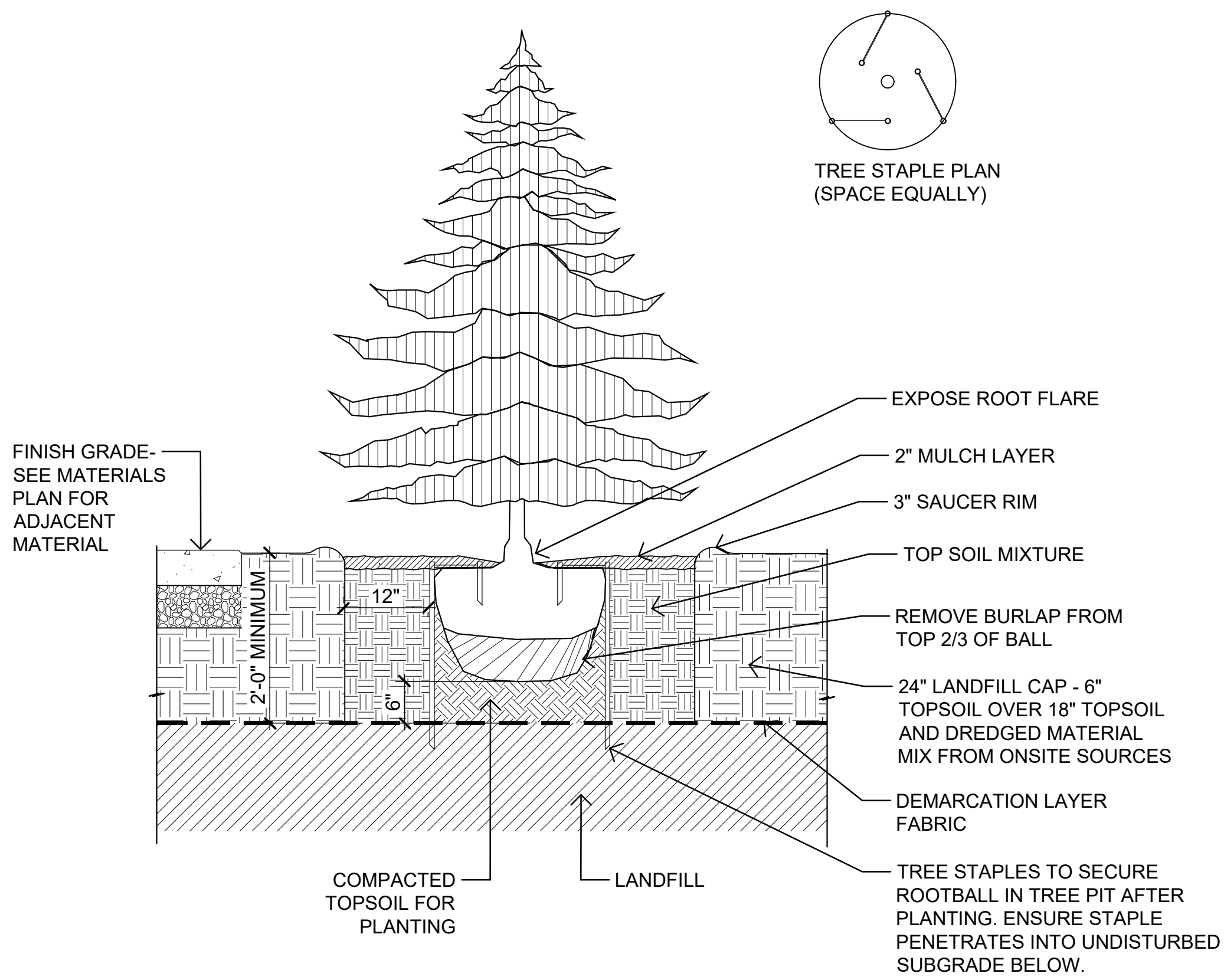
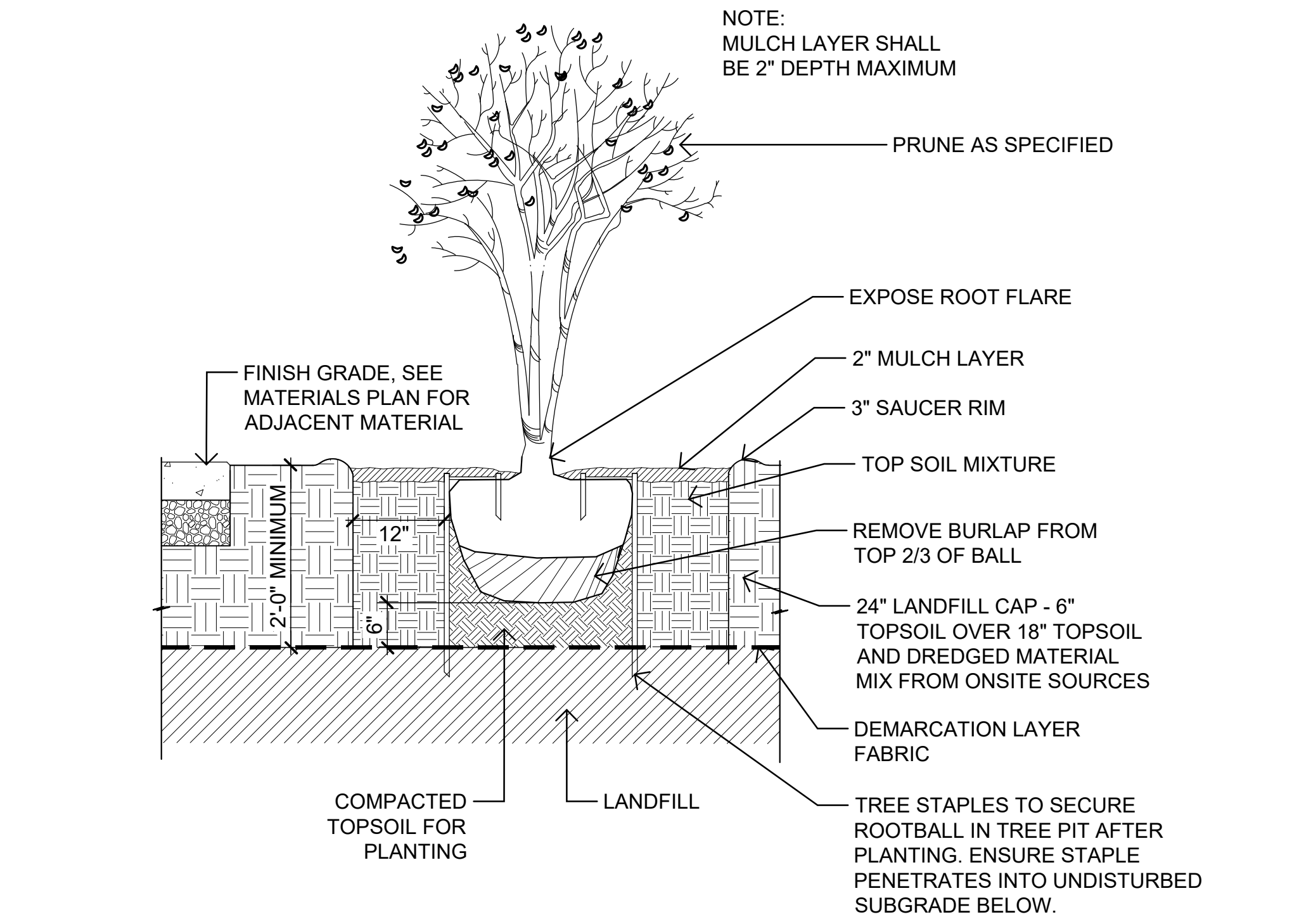
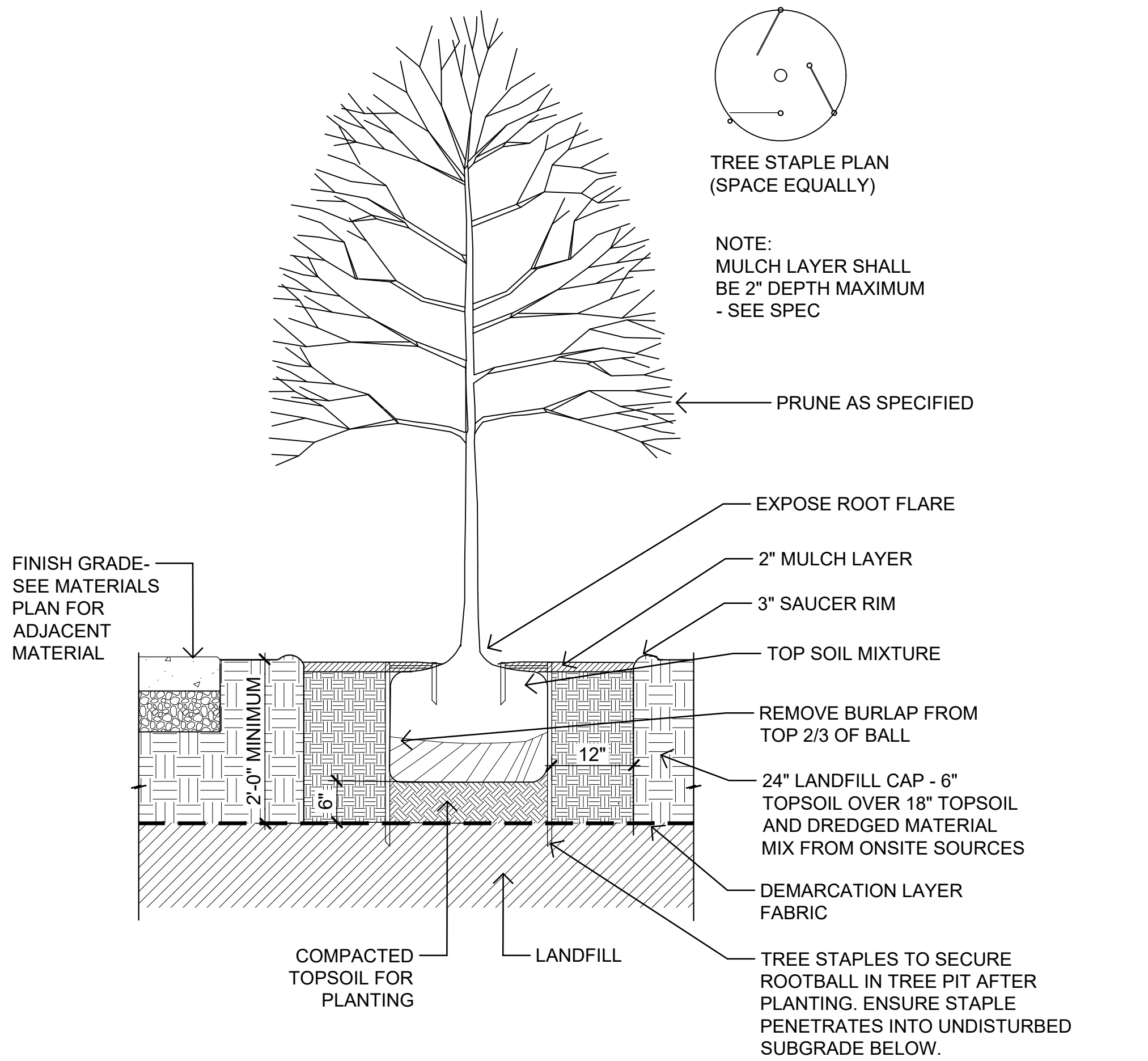
PLANTING  
 PLAN



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 DETAILS

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