

PRELIMINARY SUBDIVISION APPLICATION 1-25-2023

EAST SHORE CIRCLE PHASE 1

7-LOT MAJOR SUBDIVISION

JESSE YOUNG

106 East Shore Circle, Lansing, New York 14882



SCARABBA ENGINEERING, PLLC
9604 Kingtown Road
Trumansburg, NY 14886
607-527-0576
www.scarabbaengplus.com

Timothy C. Buhl, P.E.
35 Fire Lane 24
Auburn, NY 13021

DRAWING LIST

GENERAL

G-001 COVER SHEET

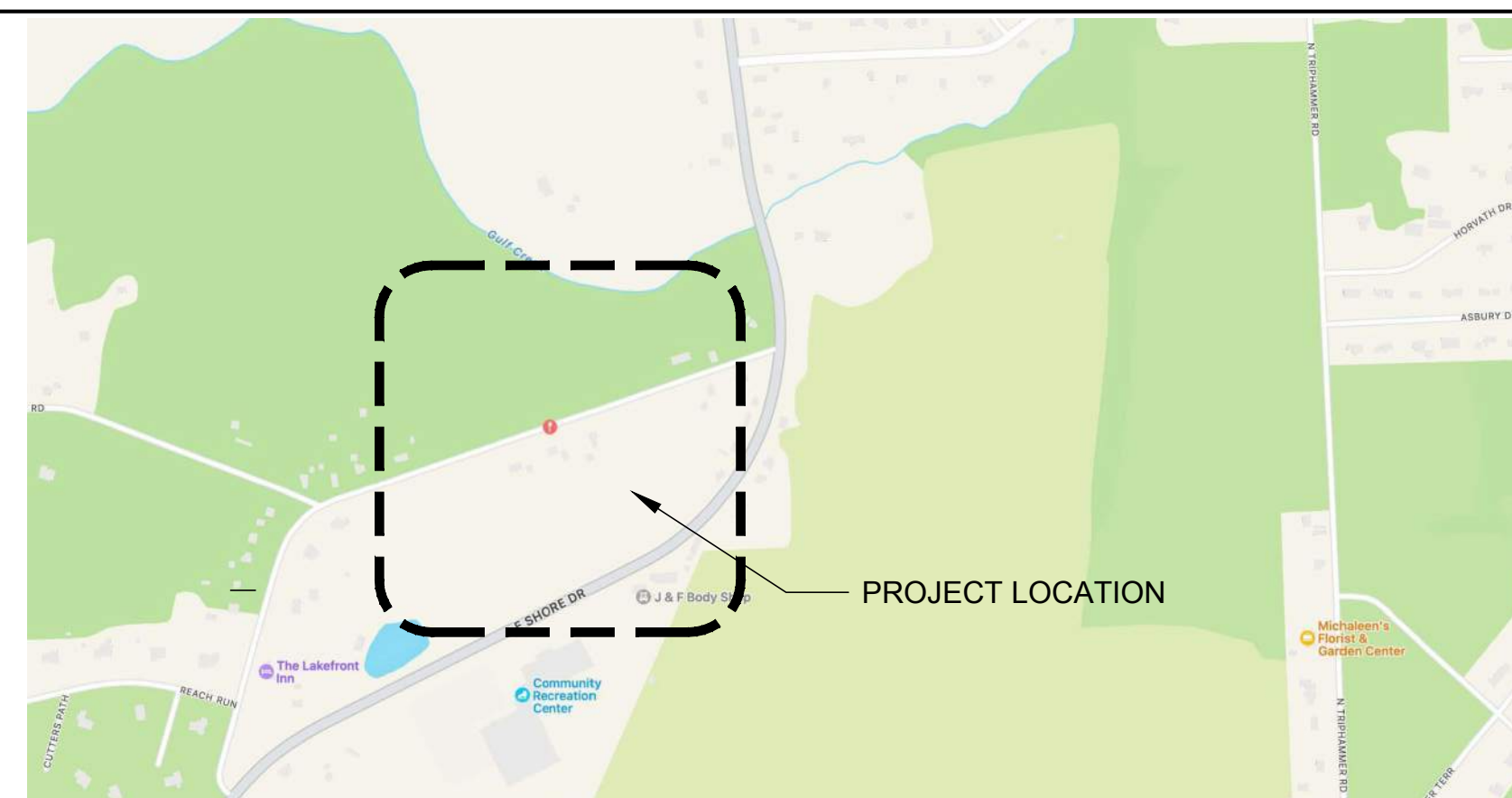
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C-101 EXISTING CONDITIONS PLAN
C-102 SUBDIVISION PLAN ENTIRE PARCEL
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C-105 GRADING AND DRAINAGE PLAN

STORMWATER

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C-110 HYDRAULIC AND HYDROLOGIC RUNOFF ANALYSIS WORKSHEET PROPOSED CONDITIONS

PROJECT LOCATION PLAN



PROJECT INFORMATION

DATE: 1/25/2023
JOB NUMBER: 22-30
APPLICANT: JESSE YOUNG
APPLICANT ADDRESS: 3105 N. TRIPHAMMER ROAD, SUITE #1 LANSING, NY 14882
APPLICANT PHONE: 607-533-0346
APPLICANT EMAIL: JESSE@YOUNGBROS.COM
PROJECT ADDRESS: 106 EAST SHORE CIRCLE LANSING, NY 14882
PARCEL INFORMATION: TAX MAP NO. 37.1-7-12.2 APPROX. 23.0 ACRES

EAST SHORE CIRCLE SUBDIVISION
PHASE 1
106 EAST SHORE CIRCLE LANSING NY, 14882

DRAWING NUMBER
G-001



WARNING:
It is a violation of Section 7209, Subdivision 2 of the New York State Education Law for any person, unless he or she is working under the direction of a licensed engineer, to alter an item in any way, if an item bearing the seal of an engineer is altered, the altering engineer shall affix to the item his or her seal and the notation "altered by" followed by his or her signature, the date of such alteration, and a specific description of the alteration.

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PHASE 1
106 EAST SHORE CIRCLE LANSING NY, 14882**

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REVISION 3	
REVISION 2	
REVISION 1	

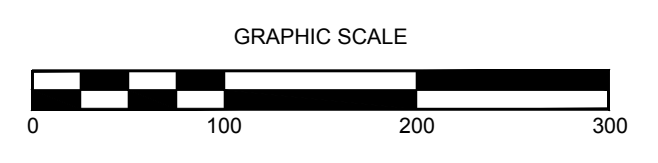
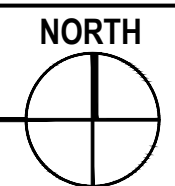
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DATE	01/25/2023
SCALE	1"=100'

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EXISTING CONDITIONS PLAN

DRAWING NUMBER
C-101



EXISTING CONDITIONS PLAN
SCALE: 1"=100'





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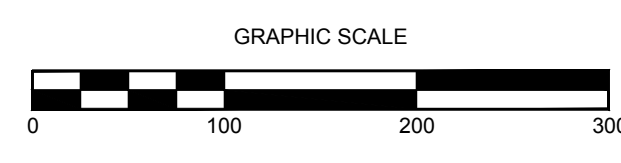
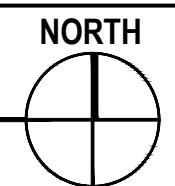
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**SUBDIVISION
PLAN ENTIRE
PARCEL**

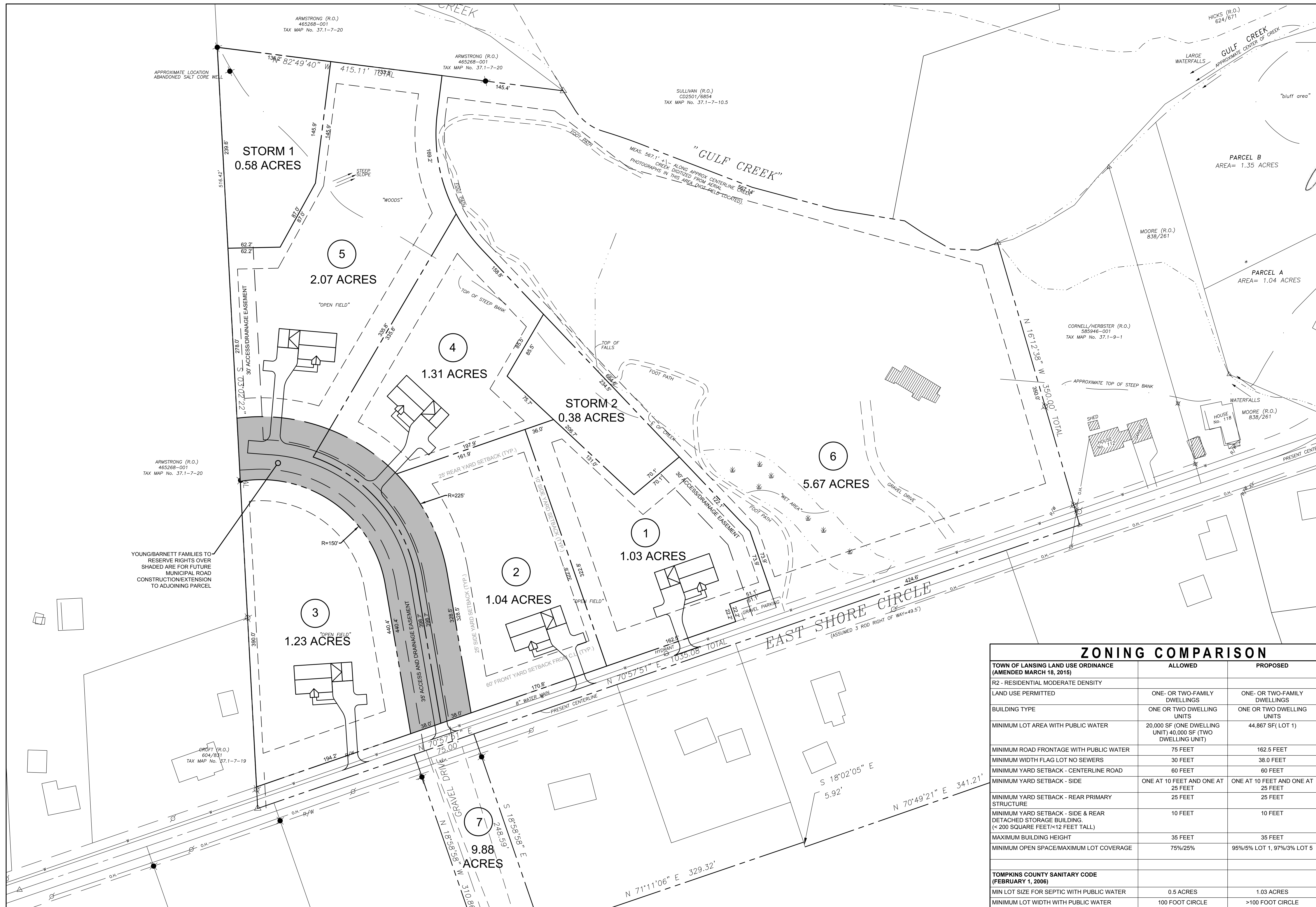
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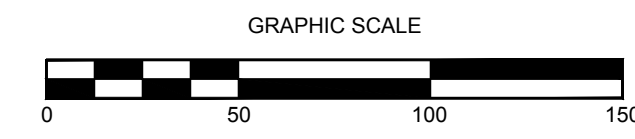
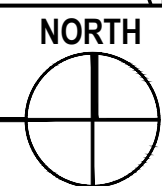
SUBDIVISION PLAN ENTIRE PARCEL

SCALE: 1"=100'





SUBDIVISION PLAN NORTH
SCALE: 1"=50'



SCIARABBA
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STATE OF NEW YORK
ANDREW J. SCIARABBA
PROFESSIONAL ENGINEER

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**EAST SHORE CIRCLE SUBDIVISION
PHASE 1
106 EAST SHORE CIRCLE LANSING NY, 14882**

ZONING COMPARISON		
TOWN OF LANSING LAND USE ORDINANCE (AMENDED MARCH 18, 2015)	ALLOWED	PROPOSED
R2 - RESIDENTIAL MODERATE DENSITY		
LAND USE PERMITTED	ONE- OR TWO-FAMILY DWELLINGS	ONE- OR TWO-FAMILY DWELLINGS
BUILDING TYPE	ONE OR TWO DWELLING UNITS	ONE OR TWO DWELLING UNITS
MINIMUM LOT AREA WITH PUBLIC WATER	20,000 SF (ONE DWELLING UNIT) 40,000 SF (TWO DWELLING UNIT)	44,867 SF (LOT 1)
MINIMUM ROAD FRONTAGE WITH PUBLIC WATER	75 FEET	162.5 FEET
MINIMUM WIDTH FLAG LOT NO SEWERS	30 FEET	38.0 FEET
MINIMUM YARD SETBACK - CENTERLINE ROAD	60 FEET	60 FEET
MINIMUM YARD SETBACK - SIDE	ONE AT 10 FEET AND ONE AT 25 FEET	ONE AT 10 FEET AND ONE AT 25 FEET
MINIMUM YARD SETBACK - REAR PRIMARY STRUCTURE	25 FEET	25 FEET
MINIMUM YARD SETBACK - SIDE & REAR DETACHED STORAGE BUILDING. (< 200 SQUARE FEET/ < 12 FEET TALL)	10 FEET	10 FEET
MAXIMUM BUILDING HEIGHT	35 FEET	35 FEET
MINIMUM OPEN SPACE/ MAXIMUM LOT COVERAGE	75%/25%	95%/5% LOT 1, 97%/3% LOT 5
TOMPKINS COUNTY SANITARY CODE (FEBRUARY 1, 2006)		
MIN LOT SIZE FOR SEPTIC WITH PUBLIC WATER	0.5 ACRES	1.03 ACRES
MINIMUM LOT WIDTH WITH PUBLIC WATER	100 FOOT CIRCLE	>100 FOOT CIRCLE

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PROJECT NUMBER	22-30
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DRAWING TITLE	SUBDIVISION PLAN NORTH
DRAWING NUMBER	C-103



UTILITY PLAN
SCALE: 1"=50'

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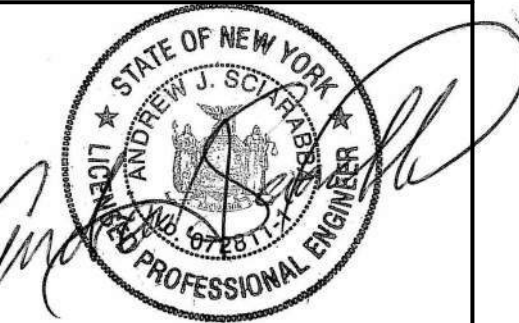
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UTILITY PLAN

DRAWING NUMBER
C-104



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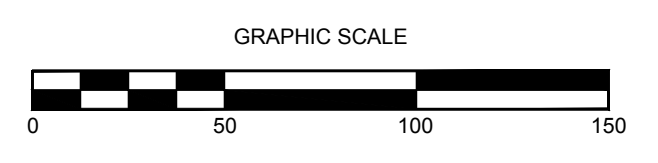
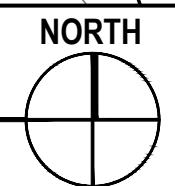
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**GRADING &
DRAINAGE
PLAN**

DRAWING NUMBER

C-105

GRADING & DRAINAGE PLAN
SCALE: 1"=50'



STORMWATER AND GRADING

TIMOTHY C. BUHL, PE
35 Fire Lane 24
Auburn, NY 13021
607-423-1919

SITE PLAN AND CIVIL

SCIARABBA ENGINEERING, PLLC
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Trumansburg, NY 14886
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Silt Fencing

Area of Disturbance
299,029-SF (6.86-AC)

Check Dams

YOUNG/BARNETT FAMILIES TO RESERVE RIGHTS OVER SHADED AREA FOR FUTURE CONSTRUCTION EXTENSION TO ADJOINING PARCEL

Culvert
15" CpEp
Inv. El. 836.75'
70LF @ S = 0.35%

Stockpile Management and Laydown Area

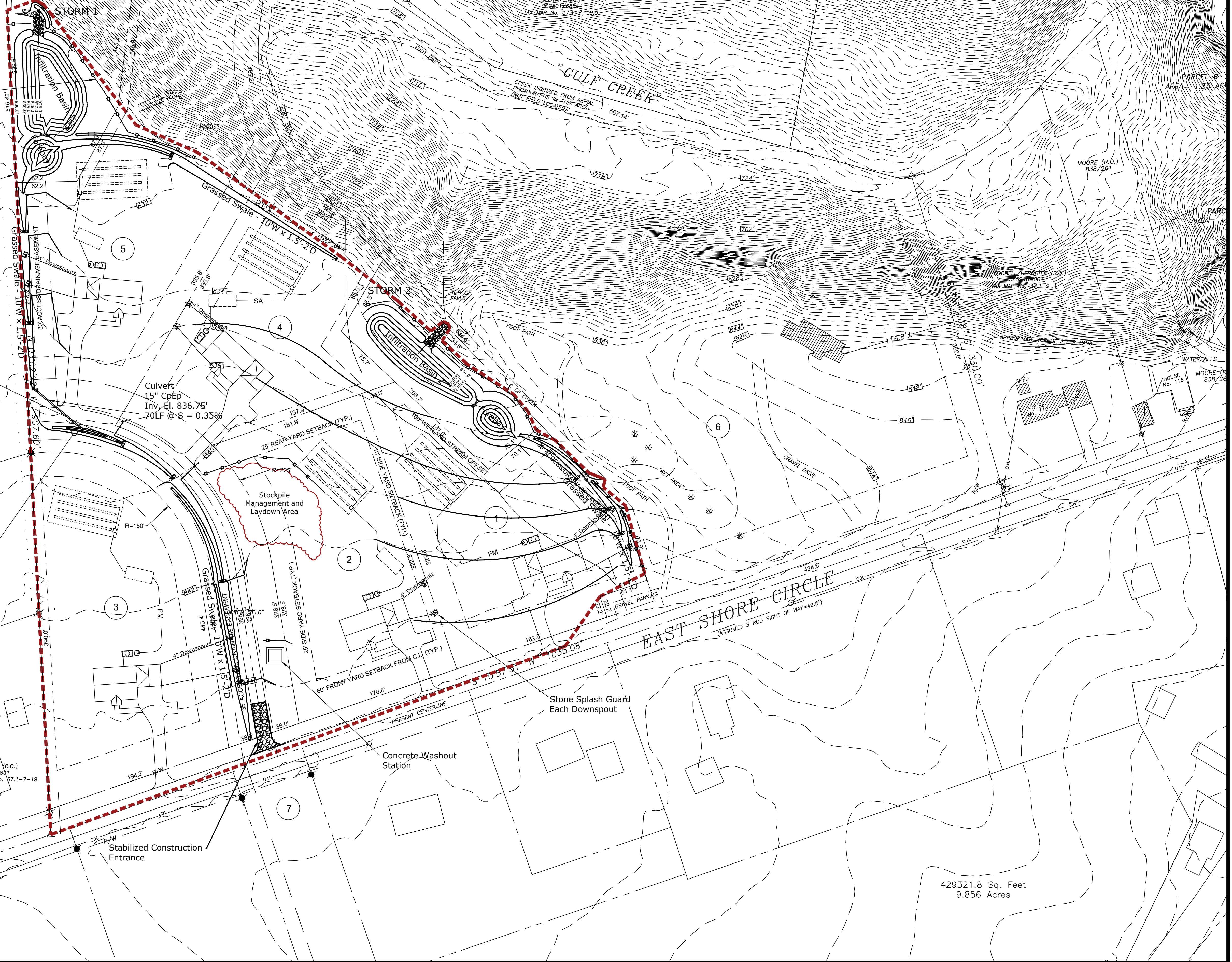
Stone Splash Guard
Each Downspout

Concrete Washout Station

Stabilized Construction Entrance

EAST SHORE CIRCLE
(ASSUMED 3 ROD RIGHT OF WAY=49.5')

429321.8 Sq. Feet
9.856 Acres

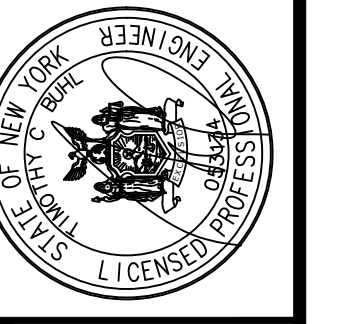


No.	Date	SYN.	Description

EROSION AND SEDIMENT CONTROL PLAN

EAST SHORE CIRCLE
SUBDIVISION - PHASE 1
106 EAST SHORE CIRCLE
LANSEING, NY 14882

JESSE YOUNG
LANSEING (T) TOMPKINS CO. N.Y.



TIMOTHY C. BUHL, P.E.

35 FIRE LANE 24, AUBURN, NY 13021

DATE: JAN 25, 2023
SCALE: 1"=50'
DRAWN: SDG
JOB:
SHEET:
C-106

GENERAL NOTES

NYS STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL, NOVEMBER 2016

1. PHYSICALLY MARK LIMITS OF LAND DISTURBANCE ON THE SITE WITH TAPE, SIGNS, OR ORANGE CONSTRUCTION FENCE, SO THAT WORKERS CAN SEE THE AREAS TO BE PROTECTED.

2. DIVERT OFF-SITE RUNOFF FROM HIGHLY ERODIBLE SOILS AND STEEP SLOPES TO STABLE AREAS.

3. CLEAR ONLY WHAT IS REQUIRED FOR IMMEDIATE CONSTRUCTION ACTIVITY. LARGE PROJECTS SHOULD BE CLEARED AND GRADED AS CONSTRUCTION PROGRESSES. AREAS EXCEEDING TWO ACRES IN SIZE SHOULD NOT BE DISTURBED WITHOUT A SEQUENCING PLAN THAT REQUIRES PRACTICES TO BE INSTALLED AND THE SOIL STABILIZED, AS DISTURBANCE BEYOND THE TWO ACRES CONTINUES. MASS CLEARINGS AND GRADING OF ENTIRE SITE SHOULD BE AVOIDED.

4. RESTABILIZE DISTURBED AREAS AS SOON AS POSSIBLE AFTER CONSTRUCTION IS COMPLETED. ON SITES GREATER THAN TWO ACRES IN SIZE, WAITING UNTIL ALL DISTURBED AREAS ARE READY FOR SEEDING IS UNACCEPTABLE. FOURTEEN DAYS SHALL BE THE MAXIMUM EXPOSURE PERIOD. MAINTENANCE MUST BE PERFORMED AS NECESSARY TO ENSURE CONTINUED STABILIZATION. EXCEPT AS NOTED BELOW, ALL SITES SHALL BE SEEDED AND STABILIZED WITH EROSION CONTROL MATERIALS, SUCH AS STRAW MULCH, JUTE MESH, OR EXCELSIOR, INCLUDING AREAS WHERE CONSTRUCTION HAS BEEN SUSPENDED OR SECTIONS COMPLETED:

A. FOR ACTIVE CONSTRUCTION AREAS SUCH AS BORROW OR STOCKPILE AREAS, ROADWAY IMPROVEMENTS AND AREAS WITHIN 50 FT. OF A BUILDING UNDER CONSTRUCTION, A PERIMETER SEDIMENT CONTROL SYSTEM CONSISTING, FOR EXAMPLE, SILT FENCING, SHALL BE INSTALLED AND MAINTAINED TO CONTAIN SOIL. EXPOSED DISTURBED AREAS ADJACENT TO A CONVEYANCE THAT PROVIDES RAPID OFF-SITE DISCHARGE OF SEDIMENT, SUCH AS A CUT SLOPE AT AN ENTRANCE, SHALL BE COVERED WITH PLASTIC OR, GEOTEXTILE FABRIC TO PREVENT SOIL LOSS UNTIL IT CAN BE STABILIZED. STABILIZED CONSTRUCTION ENTRANCES WILL BE MAINTAINED TO CONTROL VEHICLE TRACKING MATERIAL OFF-SITE.

B. ON THE CUT SIDE OF ROADS, DITCHES SHALL BE STABILIZED IMMEDIATELY WITH ROCK RIP-RAP OR OTHER NON-ERODIBLE LINERS (EG. ROLLED EROSION PRODUCTS), OR WHERE APPROPRIATE, VEGETATIVE MEASURES SUCH AS SOD.

C. PERMANENT SEEDING SHOULD OPTIMALLY BE UNDERTAKEN IN THE SPRING FROM MARCH THROUGH MAY, AND IN LATE SUMMER AND EARLY FALL FROM SEPTEMBER TO OCTOBER 15. DURING THE PEAK SUMMER MONTHS AND IN THE FALL AFTER OCTOBER 15, WHEN SEEDING IS FOUND TO BE IMPRACTICABLE, AN APPROPRIATE TEMPORARY MULCH SHALL BE APPLIED. PERMANENT SEEDING MAY BE UNDERTAKEN DURING THE SUMMER IF PLANS PROVIDE FOR ADEQUATE WATERING. TEMPORARY SEEDING WITH RYE CAN BE UTILIZED THROUGH NOVEMBER.

D. ALL SLOPES STEEPER THAN 3:1 (H:V), OR 33.3%, AS WELL AS PERIMETER DIKES, SEDIMENT BASINS AND TRAPS, AND EMBANKMENTS SHALL, UPON COMPLETION, BE IMMEDIATELY STABILIZED WITH SOD, SEED AND ANCHORED STRAW MULCH, OR OTHER APPROVED STABILIZATION MEASURES. AREAS OUTSIDE OF THE PERIMETER SEDIMENT CONTROL SYSTEM SHALL NOT BE DISTURBED. MAINTENANCE SHALL BE PERFORMED AS NECESSARY TO ENSURE CONTINUED STABILIZATION.

E. TEMPORARY SEDIMENT TRAPPING DEVICES SHALL NOT BE REMOVED UNTIL PERMANENT STABILIZATION IS ESTABLISHED IN ALL CONTRIBUTORY DRAINAGE AREAS. SIMILARLY, STABILIZATION SHALL BE ESTABLISHED PRIOR TO CONVERTING SEDIMENT TRAPS/BASINS INTO PERMANENT (POST-CONSTRUCTION) STORMWATER MANAGEMENT PRACTICES.

5. IF TEMPORARY WORK ROADS OR HAUL ROADS CROSS STREAM CHANNELS, ADEQUATE WATERWAY OPENINGS SHALL BE CONSTRUCTED USING SPANS, CULVERTS, WASHED ROCK BACKFILL, OR OTHER ACCEPTABLE, CLEAN METHODS THAT WILL ENSURE THAT ROAD CONSTRUCTION AND THEIR USE DO NOT RESULT IN TURBIDITY AND SEDIMENT DOWNSTREAM. ALL CROSSING ACTIVITIES AND APPURTENANCES ON STREAMS REGULATED BY ARTICLE 15 OF THE ENVIRONMENTAL CONSERVATION LAW SHALL BE IN COMPLIANCE WITH A PERMIT ISSUED PURSUANT TO ARTICLE 15 OF THE ECL.

6. MAKE SURE THAT ALL CONTRACTORS AND SUB-CONTRACTORS UNDERSTAND THE ESC PLAN AND SIGN THE CERTIFICATION STATEMENT REQUIRED BY NYSDEC GP.

7. DESIGNATE RESPONSIBILITY FOR THE ESC PLAN TO ONE INDIVIDUAL. THIS PERSON SHALL BE NAMED IN THE NOTICE OF INTENT.

8. AN ESC PLAN INSPECTION PROGRAM MEETING THE REQUIREMENTS OF NYSDEC GP, IS NECESSARY TO DETERMINE WHEN ESC MEASURES NEED MAINTENANCE OR REPAIR. PAY PARTICULAR ATTENTION TO INSPECTIONS REQUIRED AFTER RAINFALL. THE INSPECTION PROGRAM SHALL ALSO STATE THE COMPLETION OF IDENTIFIED REPAIR AND MAINTENANCE ITEMS.

9. IF CONSTRUCTION ACTIVITIES CONTINUE DURING WINTER, ACCESS POINTS SHOULD BE ENLARGED AND STABILIZED TO PROVIDE FOR SNOW STOCKPILING. IN ADDITION SNOW MANAGEMENT PLAN SHOULD BE PREPARED WITH ADEQUATE STORAGE AND CONTROL OF MELTWATER. A MINIMUM 25 FOOT BUFFER SHALL BE MAINTAINED FROM PERIMETER CONTROLS SUCH AS SILT FENCING. KEEP DRAINAGE STRUCTURES OPEN AND FREE OF SNOW AND ICE DAMS. INSPECTION AND MAINTENANCE ARE NECESSARY TO ENSURE THE FUNCTION OF THESE PRACTICES DURING RUNOFF EVENTS.

LAND GRADING SPECIFICATIONS

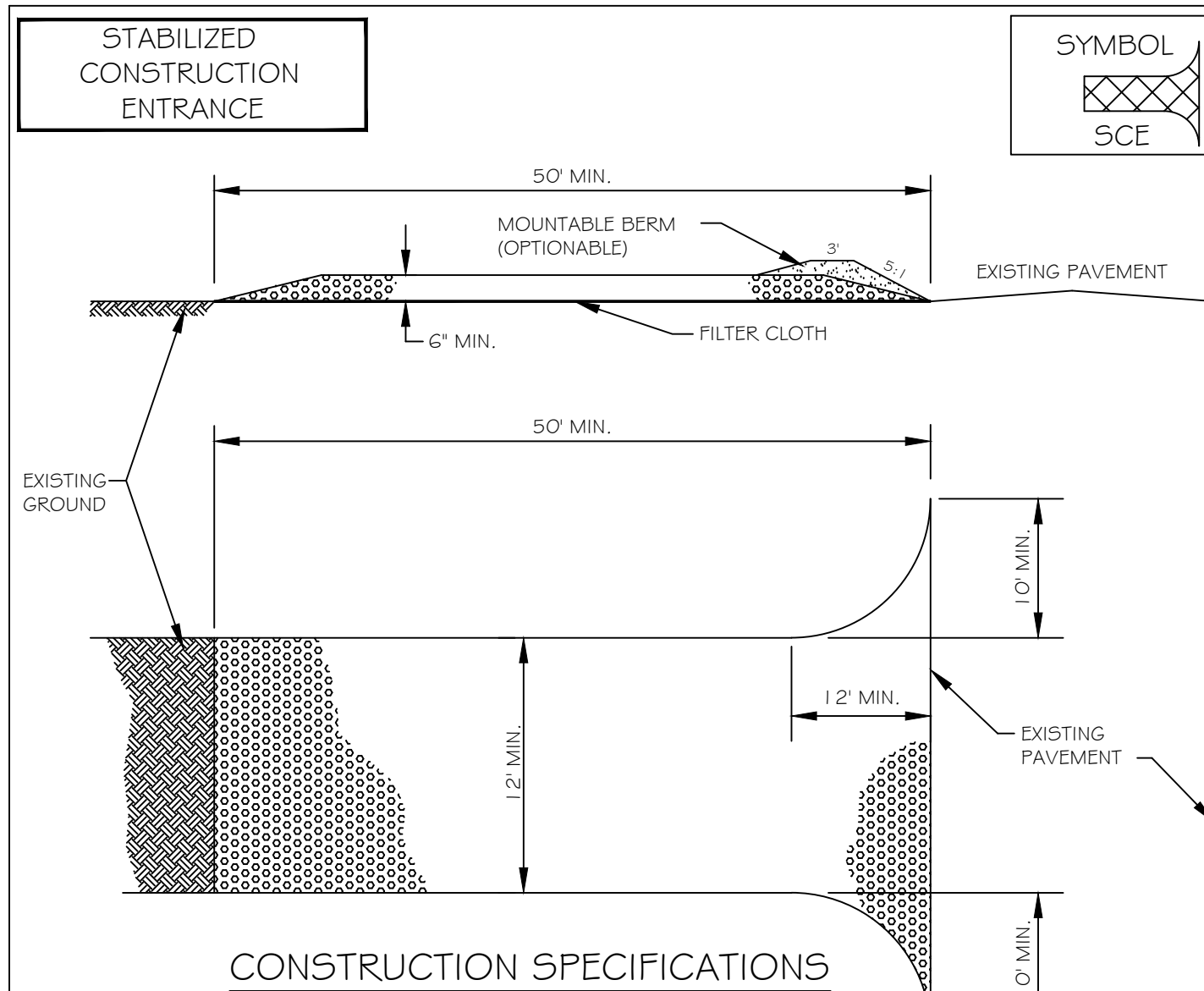
1. ALL FILLS SHALL BE COMPACTED AS REQUIRED TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, SUBSIDENCE OR OTHER RELATED PROBLEMS. FILL INTENDED TO SUPPORT BUILDINGS, STRUCTURES AND CONDUITS, ETC. SHALL BE COMPACTED IN ACCORDANCE WITH LOCAL REQUIREMENTS OR CODES.

2. ALL FILL TO BE PLACED AND COMPACTED IN LAYERS NOT TO EXCEED 9 INCHES IN THICKNESS.

3. FILL MATERIAL SHALL BE FREE OF FROZEN PARTICLES, BRUSH, ROOTS, SOD, OR OTHER FOREIGN OR OTHER OBJECTIONABLE MATERIALS THAT WOULD INTERFERE WITH OR PREVENT CONSTRUCTION OF SATISFACTORY FILLS.

4. SEEPS OR SPRINGS ENCOUNTERED DURING CONSTRUCTION SHALL BE HANDLED IN ACCORDANCE WITH THE STANDARD AND SPECIFICATION FOR SUBSURFACE DRAIN OR OTHER APPROVED METHOD.

5. STOCKPILES, BORROW AREAS AND SPOIL AREAS SHALL BE SHOWN ON THE PLANS AND SHALL BE SUBJECT TO THE PROVISIONS OF THIS STANDARD AND SPECIFICATION.



CONSTRUCTION SPECIFICATIONS

- STONE SIZE - USE 2" STONE OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
- LENGTH - NOT LESS THAN 50 FEET, EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MIN. LENGTH WOULD APPLY.
- THICKNESS - NOT LESS THAN SIX (6) INCHES.
- WIDTH - TWELVE (12) FOOT MIN. 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.
- TEMPORARY CONSTRUCTION ENTRANCES, EXITS AND TEMPORARY ACCESS SHALL BE SUBJECT TO THE APPROVAL OF THE APPROPRIATE AUTHORITIES.

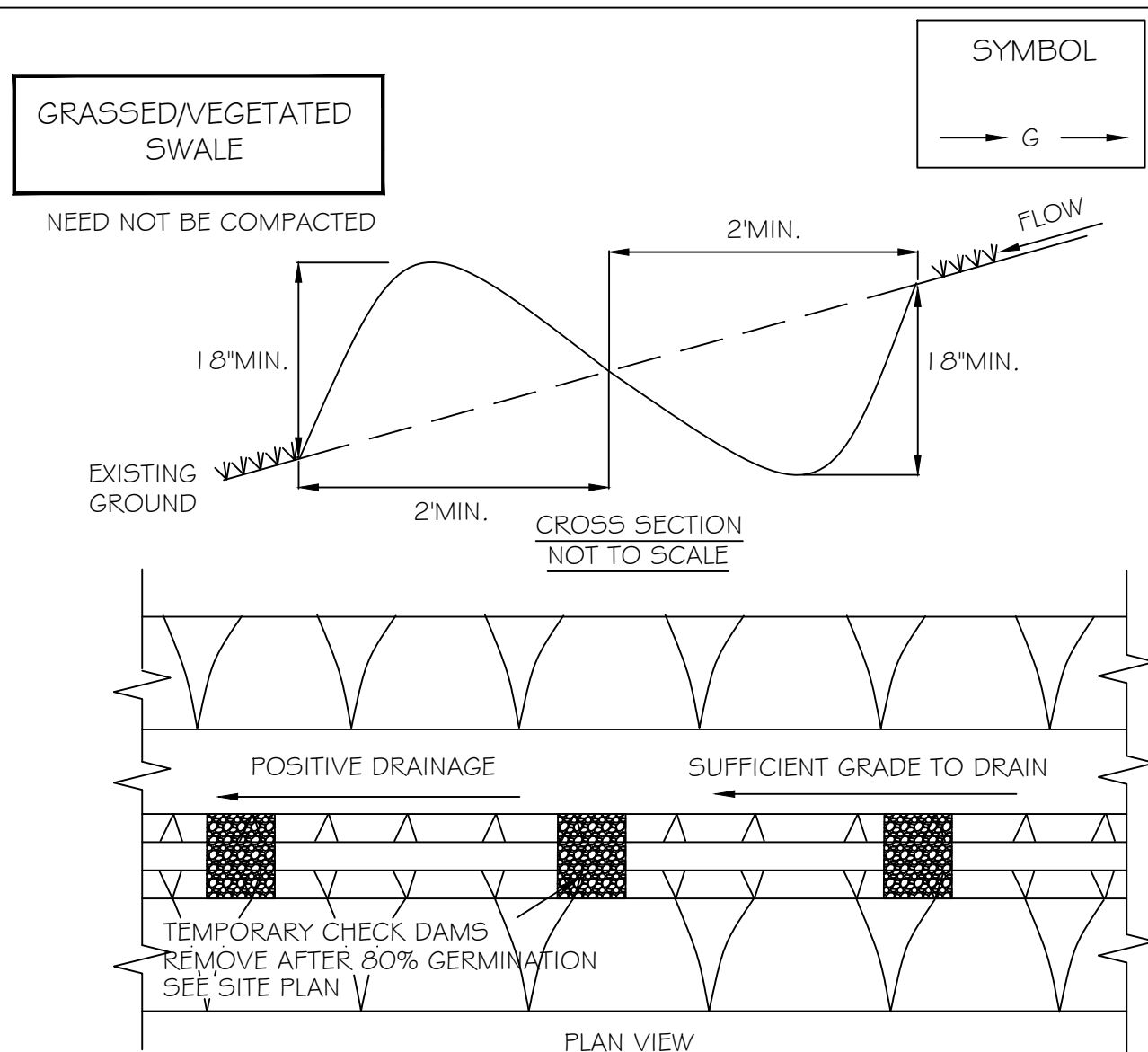
TOP SOILING SPECIFICATIONS

- PRESERVE EXISTING TOPSOIL IN PLACE WHERE POSSIBLE, THEREBY REDUCING THE NEED FOR ADDED TOPSOIL.
- AS NEEDED, INSTALL EROSION CONTROL PRACTICES SUCH AS DIVERSIONS, CHANNELS, SEDIMENT TRAPS, AND STABILIZING MEASURES, OR MAINTAIN IF ALREADY INSTALLED.
- COMPLETE ROUGH GRADING AND FINAL GRADE, ALLOWING FOR DEPTH OF TOPSOIL TO BE ADDED.
- SCARIFY ALL COMPACT, SLOWLY PERMEABLE, MEDIUM AND FINE TEXTURED SUBSOIL AREAS. SCARIFY AT APPROXIMATELY RIGHT ANGLES TO THE SLOPE DIRECTION IN SOIL AREAS THAT ARE STEEPER THAN 5%. AREAS THAT HAVE BEEN OVERLY COMPACTED SHALL BE DECOMPACTED TO A MINIMUM DEPTH OF 12-INCHES WITH A DEEP RIPPER OR CHISEL PLOW PRIOR TO TOPSOILING.
- REMOVE REFUSE, WOODY PLANT PARTS, STONES OVER 3-INCHES IN DIAMETER, AND OTHER LITTER.
- TOPSOIL SHALL HAVE AT LEAST 6% BY WEIGHT OF FINE TEXTURED STABLE ORGANIC MATERIAL, AND NO GREATER THAN 20% MUCK SOIL SHALL NOT BE CONSIDERED TOPSOIL.
- TOPSOIL SHALL HAVE NOT LESS THAN 20% FINE TEXTURED MATERIAL (PASSING THE NO. 200 SIEVE) AND NOT MORE THAN 15% CLAY.
- TOPSOIL TREATED WITH SOIL STERILANTS OR HERBICIDES SHALL BE SO IDENTIFIED TO THE PURCHASER.
- TOPSOIL SHALL BE RELATIVELY FREE OF STONES OVER 1 1/2-INCHES IN DIAMETER, TRASH, NOXIOUS WEEDS SUCH AS NUT SEDGE AND QUACKGRASS, AND WILL HAVE LESS THAN 10% GRAVEL.
- TOPSOIL CONTAINING SOLUBLE SALTS GREATER THAN 500 PARTS PER MILLION SHALL NOT BE USED.
- TOPSOIL SHALL BE DISTRIBUTED TO A UNIFORM DEPTH OVER THE AREA. IT SHALL NOT BE PLACED WHEN IT IS PARTIALLY FROZEN, MUDDY, OR ON FROZEN SLOPES OR OVER ICE, SNOW, OR STANDING WATER PUDDLES.
- TOPSOIL PLACED AND GRADED ON SLOPES STEEPER THAN 5% SHALL BE PROMPTLY FERTILIZED, SEEDED, MULCHED, AND STABILIZED BY 'TRACKING' WITH SUITABLE EQUIPMENT.

SEDIMENT & EROSION CONTROL MEASURES TYPICAL N.T.S.

MATERIAL STOCKPILING

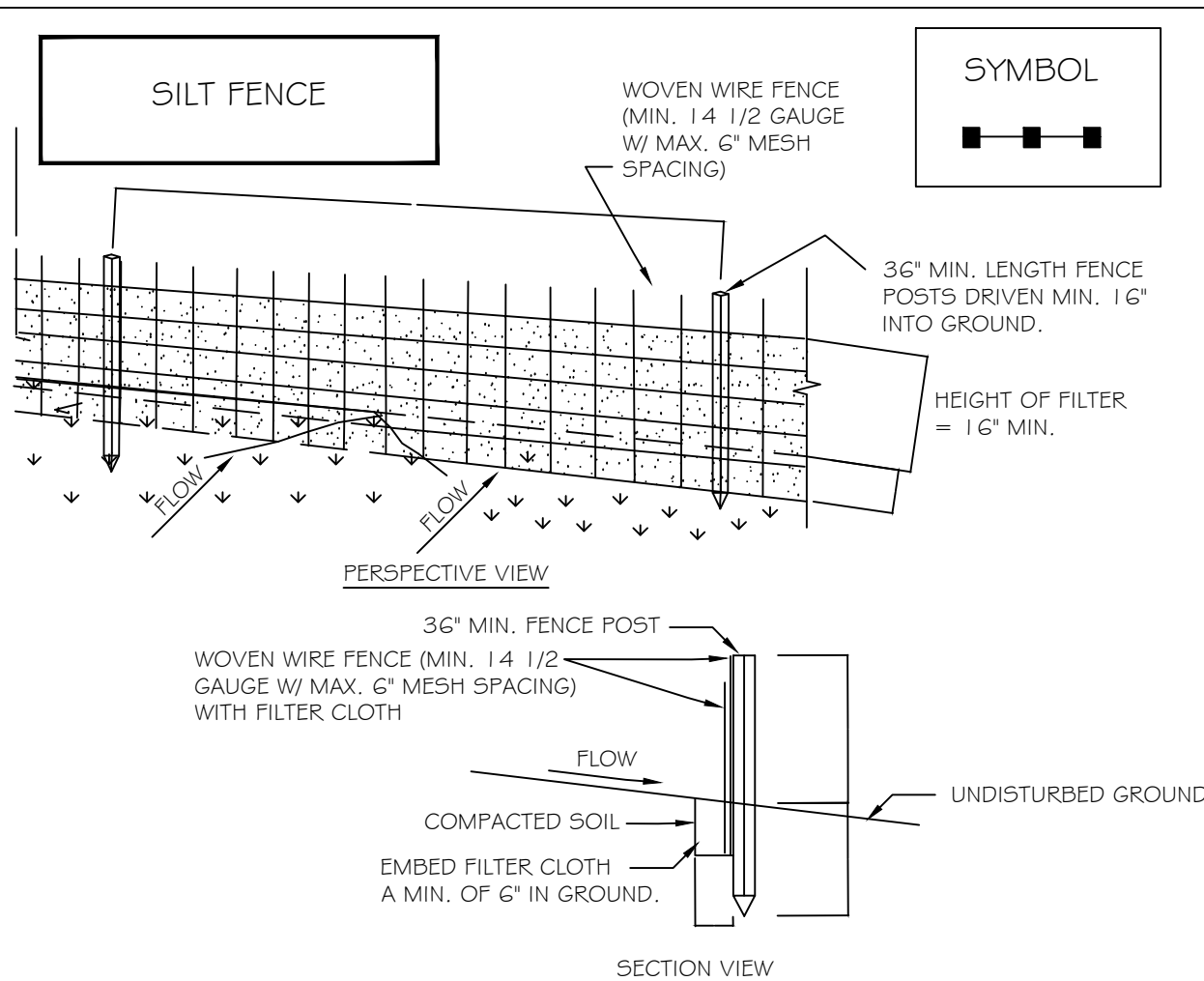
- FOR RESIDENTIAL CONSTRUCTION, ONE SPECIFIC AREA ON EACH LOT SHALL BE DESIGNATED FOR TEMPORARY STOCKPILING OF TOPSOIL AND ALL OTHER CONSTRUCTION MATERIALS CONTAINING FINES THAT CAN BE MOVED BY RUNOFF. THIS AREA SHALL BE AS SMALL AS PRACTICABLE.
- STOCK PILES WILL HAVE DOWN HILL SIDE PERIMETER SILT FENCING PROTECTION. REFERENCE SILT FENCE DETAILS THESE PLANS.
- STOCK PILES WILL BE SEEDED AND MULCHED IF ANTICIPATED TO BE LEFT IN PLACE 14-DAYS OR MORE. REFERENCE DETAIL SHEET NOTES AND SPECIFICATIONS THIS PLAN SET AND STORMWATER POLLUTION PREVENTION PLAN (SWPPP) ACCOMPANYING THIS PLAN SET.
- SILT FENCE AND OTHER TEMPORARY CONTROL MEASURES SHALL BE IN PLACE BEFORE STOCKPILING OF MATERIALS.



CONSTRUCTION SPECIFICATIONS

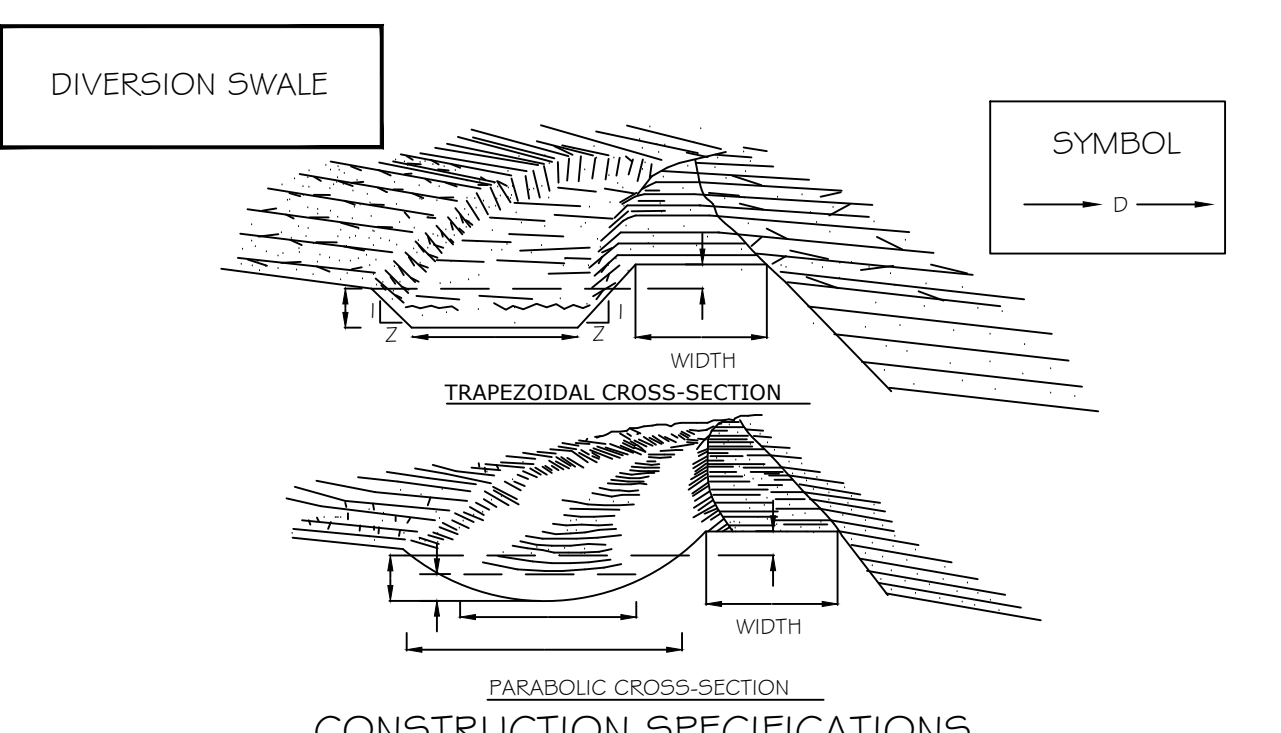
GRASSED/VEGETATED SWALE

- DRAINAGE AREA SHALL BE LESS THAN 5 ACRES.
- HEIGHT SHALL BE NO LESS THAN 1 1/2-INCHES FROM BOTTOM OF SWALE TO TOP OF DIKE EVENLY DIVIDED BETWEEN DIKE HEIGHT AND SWALE DEPTH.
- BOTTOM WIDTH OF DIKE SHALL BE NO LESS THAN 2- FEET.
- WIDTH OF SWALE SHALL BE NO LESS THAN 2- FEET.
- SWALE SHALL HAVE POSITIVE DRAINAGE TO AN ADEQUATELY STABILIZED OUTLET TO AN UNDISTURBED AREA. MAXIMUM ALLOWABLE GRADE NOT TO EXCEED 8%.
- THE DISTURBED AREA OF THE DIKE AND SWALE SHALL BE STABILIZED WITHIN 7 DAYS OF INSTALLATION, IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR TEMPORARY SWALES.
- DIVERTED RUNOFF FROM A DISTURBED OR EXPOSED UPLAND AREA SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE SUCH AS A TRAP, BASIN, OR TO AN AREA PROTECTED BY ANY OF THESE PRACTICES.
- PERIODIC INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED AFTER EACH RAIN EVENT.



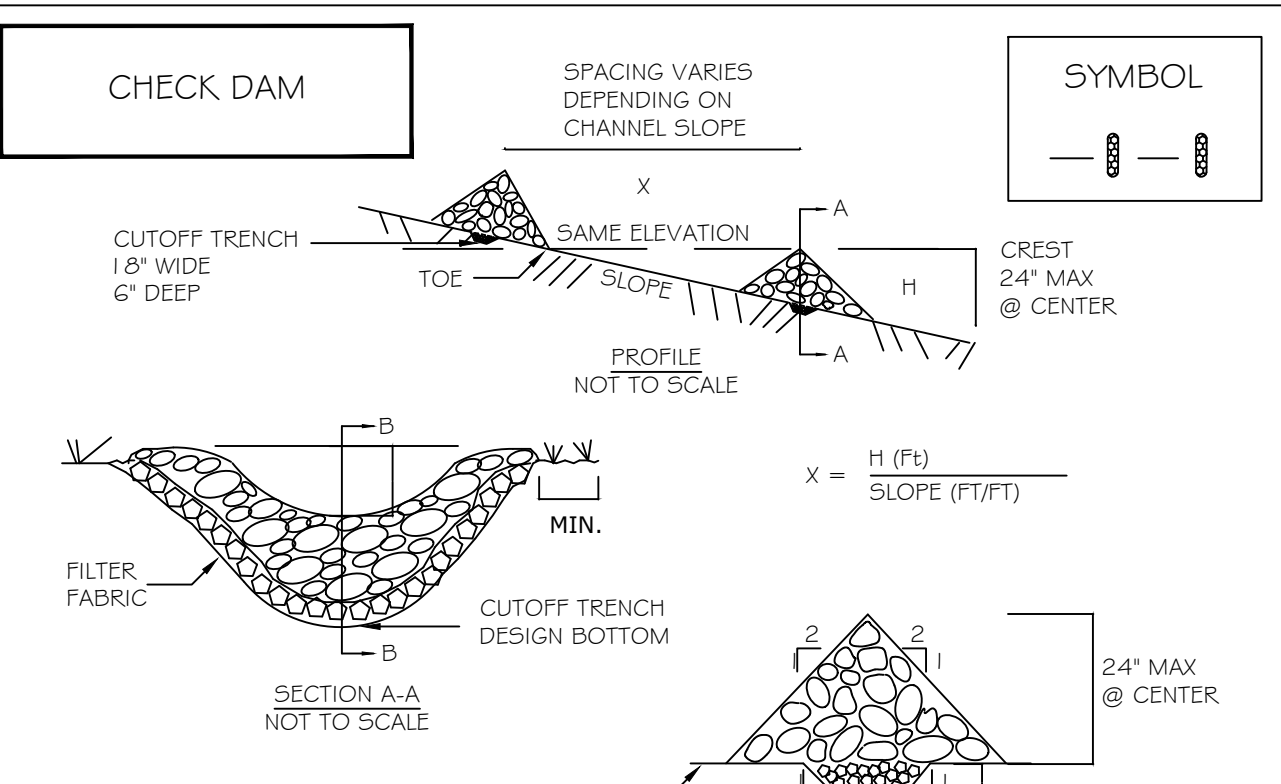
CONSTRUCTION SPECIFICATIONS

- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER 'T' OR 'U' 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, 1 1/2 GAUGE, 6" MAXIMUM MESH OPENING.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N, 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.



CONSTRUCTION SPECIFICATIONS

- 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 DIVERSION.
- THE DIVERSION 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 IMPED NORMAL FLOW.
- FILLS SHALL BE COMPACTED AS NEEDED TO PREVENT UNEQUAL SETTLEMENT THAT WOULD CAUSE DAMAGE IN THE COMPLETE DIVERSION.
- ALL EARTH REMOVED AND NOT NEEDED IN CONSTRUCTION SHALL BE SPREAD OR DISPOSED OF SO THAT IT WILL NOT INTERFERE WITH THE FUNCTIONING OF THE DIVERSION.
- STABILIZATION SHALL BE DONE ACCORDING TO THE APPROPRIATE STANDARD AND SPECIFICATIONS FOR VEGETATIVE PRACTICES.
A. FOR DESIGN VELOCITIES OF LESS THAN 3.5 FT. PER. SEC., SEEDING AND MULCHING MAY BE USED FOR THE ESTABLISHMENT OF THE VEGETATION. IT IS RECOMMENDED THAT, WHEN CONDITIONS PERMIT, TEMPORARY DIVERSIONS OR OTHER MEANS SHOULD BE USED TO PREVENT WATER FROM ENTERING THE DIVERSION DURING THE ESTABLISHMENT OF THE VEGETATION.
B. FOR DESIGN VELOCITIES OF MORE THAN 3.5 FT. PER. SEC., THE DIVERSION SHALL BE STABILIZED WITH SOD, WITH SEEDING PROTECTED BY JUTE OR EXCELSIOR MATTING OR WITH SEEDING AND MULCHING INCLUDING TEMPORARY DIVERSION OF THE WATER UNTIL THE VEGETATION IS ESTABLISHED.



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 1.5 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 LINER 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.

CONCRETE WASHOUT

CONSTRUCTION SPECIFICATIONS

DESIGN CRITERIA

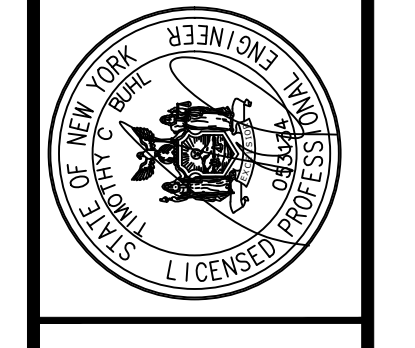
- THE WASHOUT FACILITY SHOULD BE SIZED TO CONTAIN SOLIDS, WASHWATER AND RAINFALL AND SIZED TO ALLOW FOR THE EVAPORATION OF THE WASHWATER AND RAINFALL.
- WASHWATER SHALL BE ESTIMATED AT 7 GALLONS PER CHUTE AND 50 GALLONS PER HOPPER OF CONCRETE PUMP TRUCK AND/OR DISCHARGING DRUM.
- THE MINIMUM SIZE SHALL BE 8' X 8' AT THE BOTTOM AND 2' DEEP. IF EXCAVATED, THE SIDE SLOPES SHALL BNE 2 HORIZONTAL : 1 VERTICAL.
- LOCATE THE FACILITY A MINIMUM OF 100' FROM DRAINAGE SWALES, STORM DRAIN INLETS, WETLANDS, STREAMS AND OTHER SURFACE WATERS. PREVENT SURFACE WATER FROM ENTERING THE STRUCTURE EXCEPT FOR THE ACCESS ROAD.
- PROVIDE APPROPRIATE ACCESS WITH A GRAVEL ACCESS ROAD SLOPED DOWN TO STRUCTURE.
- SIGNS SHALL BE PLACED TO DIRECT DRIVERS TO THE FACILITY AFTER THEIR LOAD IS DISCHARGED.

MAINTENANCE

- INSPECT ALL FACILITIES DAILY. REPAIR ALL DAMAGED OR LEAKING WASHOUT STATIONS IMMEDIATELY.
- PUMP OUT ANY ACCUMULATED RAINWATER OVER HARDENED CONCRETE.
- ACCUMULATED HARDENED MATERIAL SHALL BE REMOVED WHEN 75% OF THE STORAGE CAPACITY OF THE STRUCTURE IS FILLED.
- DISPOSE OF HARDENED MATERIAL OFF-SITE IN A G.O. LANDFILL. ON-SITE DISPOSAL IS ACCEPTABLE IF IT HAS BEEN APPROVED AND ACCEPTED AS PART OF THE SWPPP.
- REPLACE THE PLASTIC LINER WITH EACH CLEANING OF WASHOUT FACILITY.
- INSPECT THE PROJECT SITE FREQUENTLY TO ENSURE THAT NO CONCRETE DISCHARGES ARE TAKING PLACE IN NON-DESIGNATED AREAS.

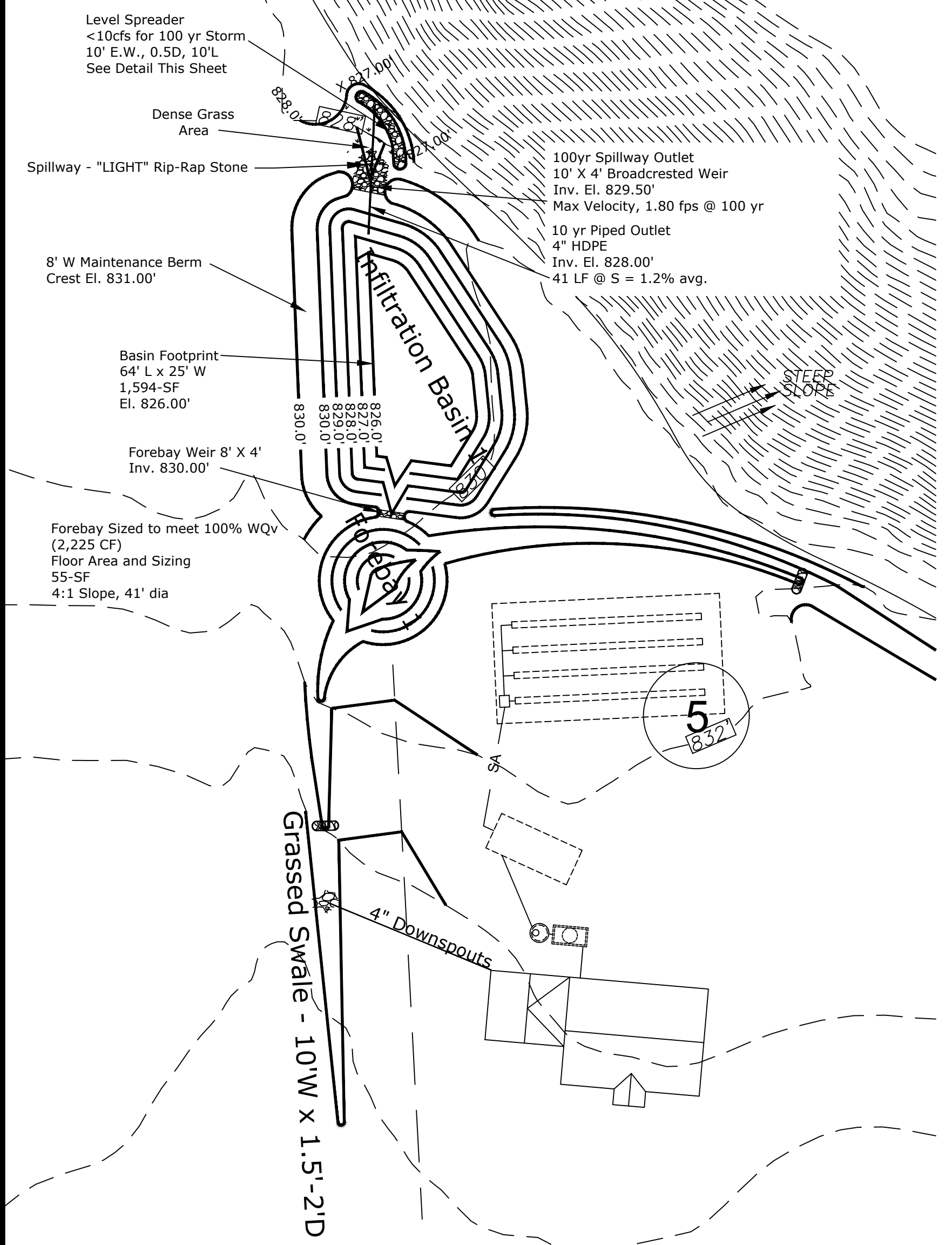
REVISIONS		
No.	Date	Description

EROSION AND SEDIMENT DETAILS
EAST SHORE CIRCLE SUBDIVISION PHASE 1
JESSE YOUNG LANSING (T) TOMPKINS CO. N.Y.
LANSING, NY 14882

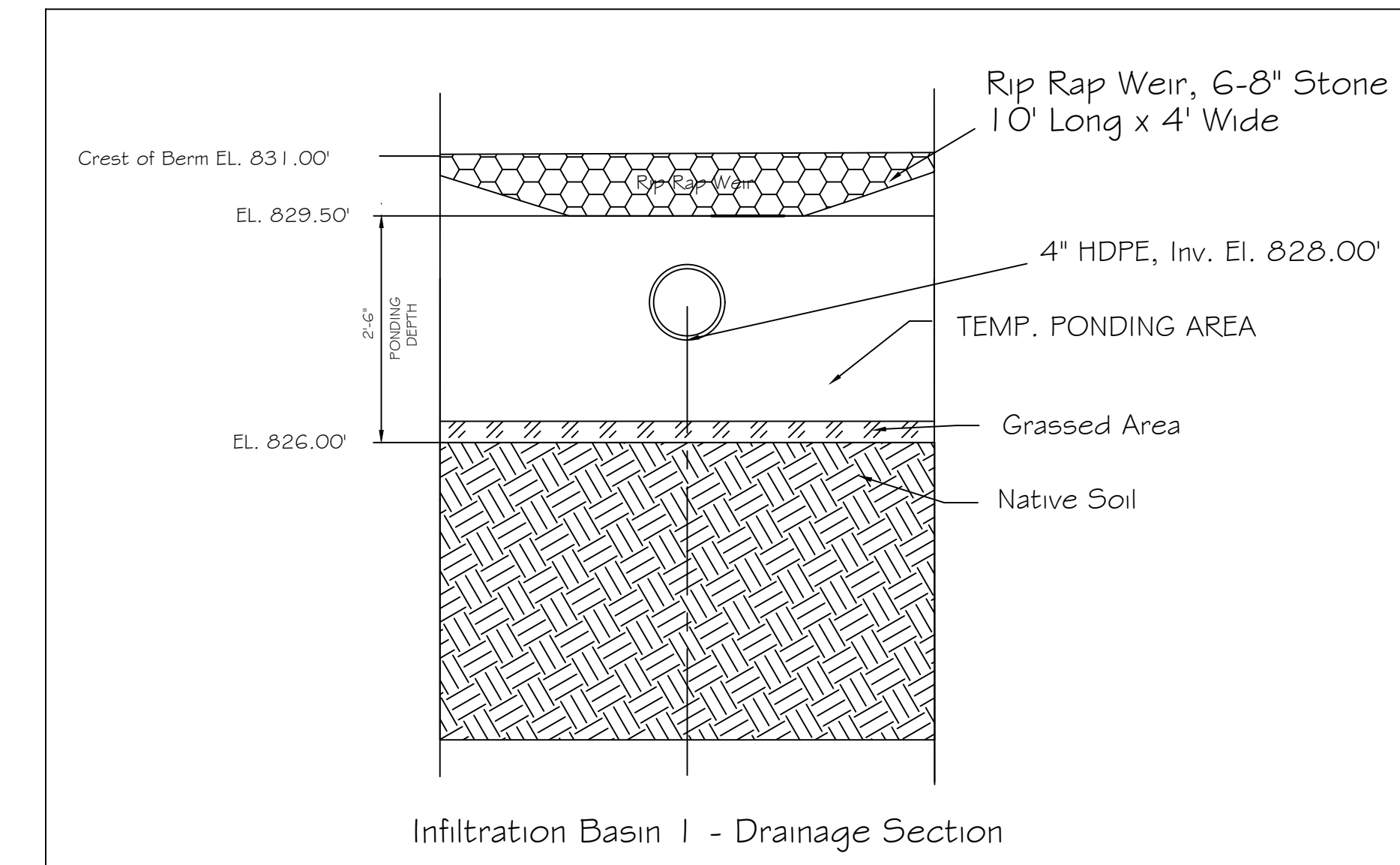
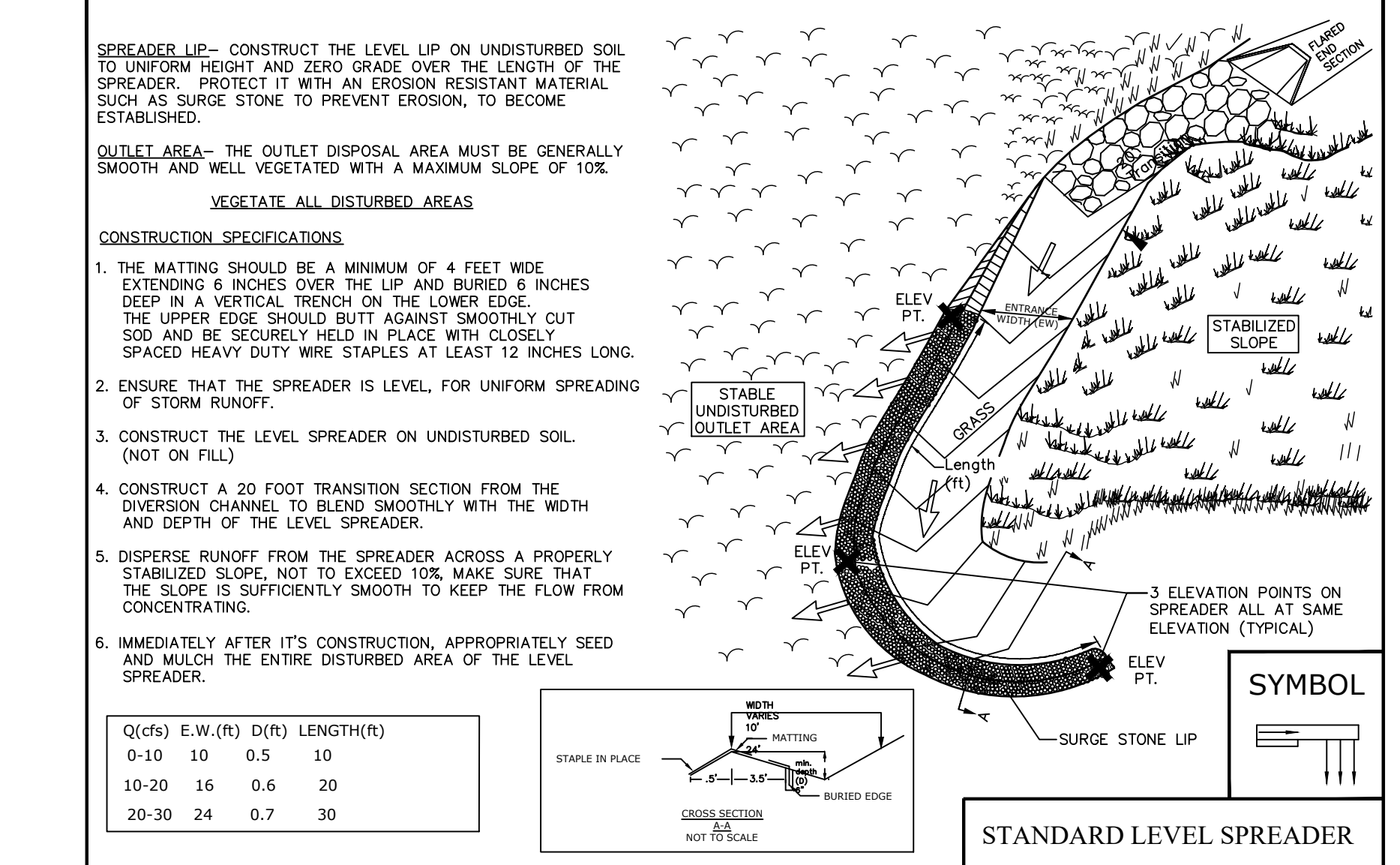


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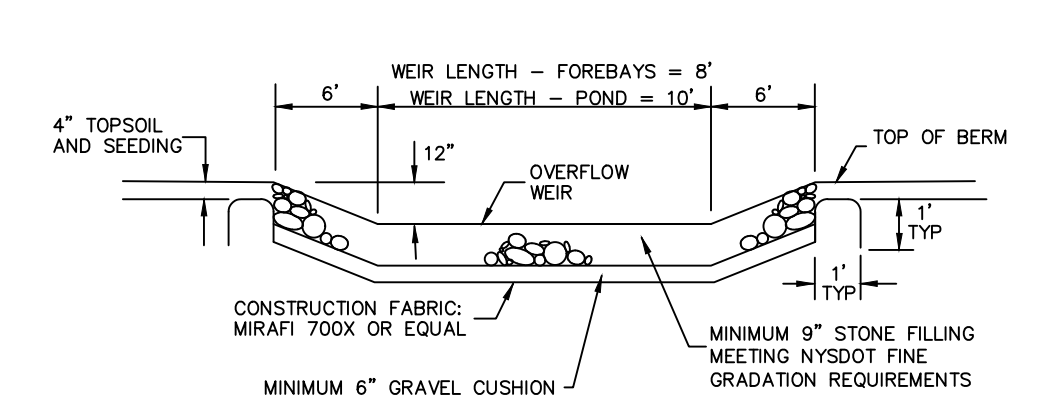
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SCALE: N.T.S.
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JOB:
SHEET: C-107



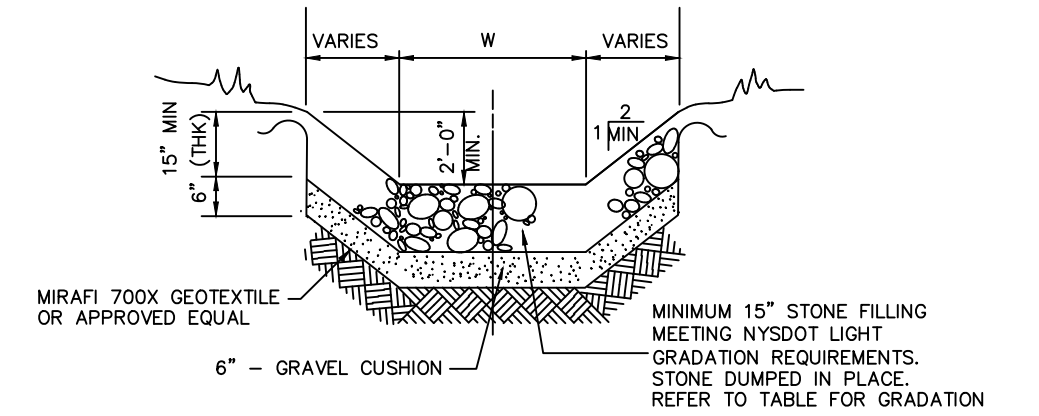
INFILTRATION BASIN 1 PLAN



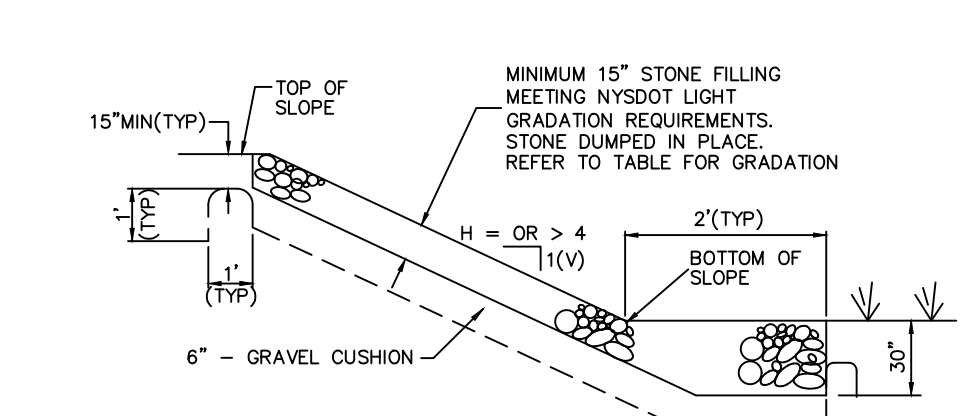
Infiltration Basin 1 - Drainage Section



FOREBAY, & POND OUTLET WEIRS



STONE LINED CHANNELS



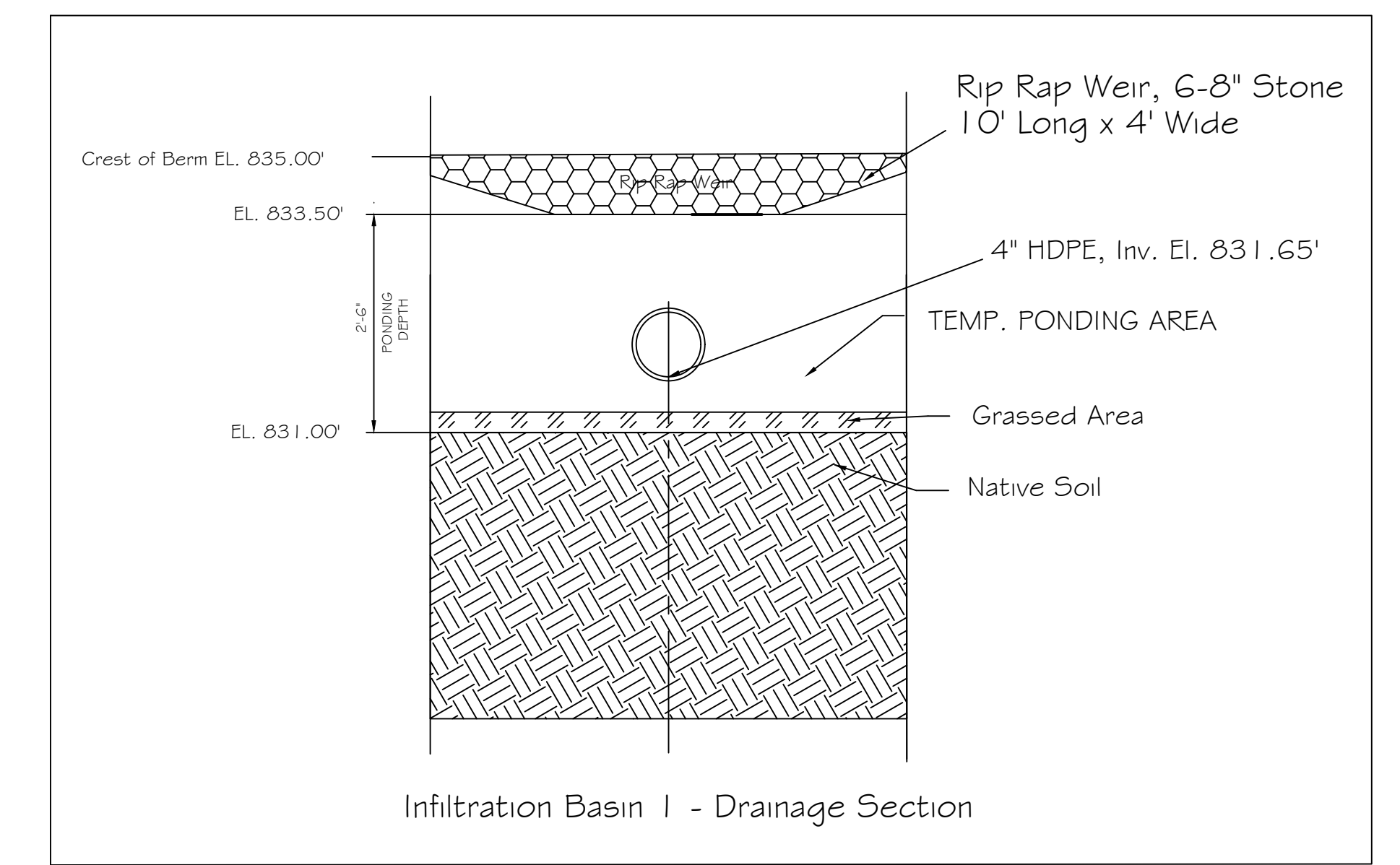
SPILLWAY SLOPES FOREBAY & POND

- NOTES:
POND EMBANKMENT CONSTRUCTION:
- EMBANKMENT MATERIAL SPECIFICATIONS:** EMBANKMENT CORE AND CUT OFF TRENCH MATERIAL SHALL BE MATERIAL CONFORMING TO UNIFIED SOIL CLASSIFICATION GC, SC, CH, OR CL WITH AT LEAST 30% PASSING #200 SIEVE. CORE AND CUT OFF TRENCH MATERIAL SHALL BE STOCKPILED SEPARATELY FROM OUTER SHELL MATERIAL. MATERIAL SHALL BE FREE OF ROOTS, STUMPS, WOOD, RUBBISH, STONES GREATER THAN 6-INCHES, FROZEN OR OTHER OBJECTIONABLE MATERIALS. STOCKPILED MATERIAL SHALL BE COVERED AND PROTECTED FROM WATER, TRAFFIC AND OTHER DELETERIOUS SUBSTANCES OR PROCESSES.
 - EMBANKMENT COMPACTION:** EMBANKMENT FILL SHALL BE PLACED IN 12-INCH LIFTS MAXIMUM AND COMPACTED. THE MINIMUM REQUIRED DENSITY SHALL NOT BE LESS THAN 95% OF MAXIMUM DRY DENSITY WITH A MOISTURE CONTENT WITHIN 2% OF OPTIMUM. ALL COMPACTION TO BE DETERMINED BY AASHTO METHOD 99 STANDARD PROCTOR.
 - EMBANKMENT CORE DIMENSIONS:** THE CORE SHALL BE PARALLEL TO THE CENTERLINE OF THE EMBANKMENT AS SHOWN ON THE PLANS. THE TOP WIDTH OF THE CORE SHALL BE A MINIMUM OF FOUR FEET. THE HEIGHT SHALL EXTEND UP TO AT LEAST THE 10 YEAR WATER ELEVATION OR AS SHOWN ON THE PLANS. THE SIDE SLOPES SHALL BE 1 TO 1 OR FLATTER. THE CORE SHALL BE COMPACTED WITH CONSTRUCTION COMPACTION EQUIPMENT, ROLLERS, OR TAMPS TO ASSURE MAXIMUM DENSITY AND MINIMUM PERMEABILITY. THE CORE SHALL BE CONSTRUCTED/PLACED CONCURRENTLY WITH THE OUTER SHELL OF THE EMBANKMENT.
 - EMBANKMENT SURFACE:** A 4-INCH LAYER OF TOPSOIL SHALL BE PLACED ON ENTIRE SURFACE AREA OF THE EMBANKMENT. GOOD GRASSED COVER SHALL BE ESTABLISHED BY SEEDING, LIMING, FERTILIZING, MULCHING, ETC. IN ACCORDANCE WITH NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL. EMBANKMENT SHALL BE KEPT FREE OF WOODY PLANT GROWTH AND TREES.

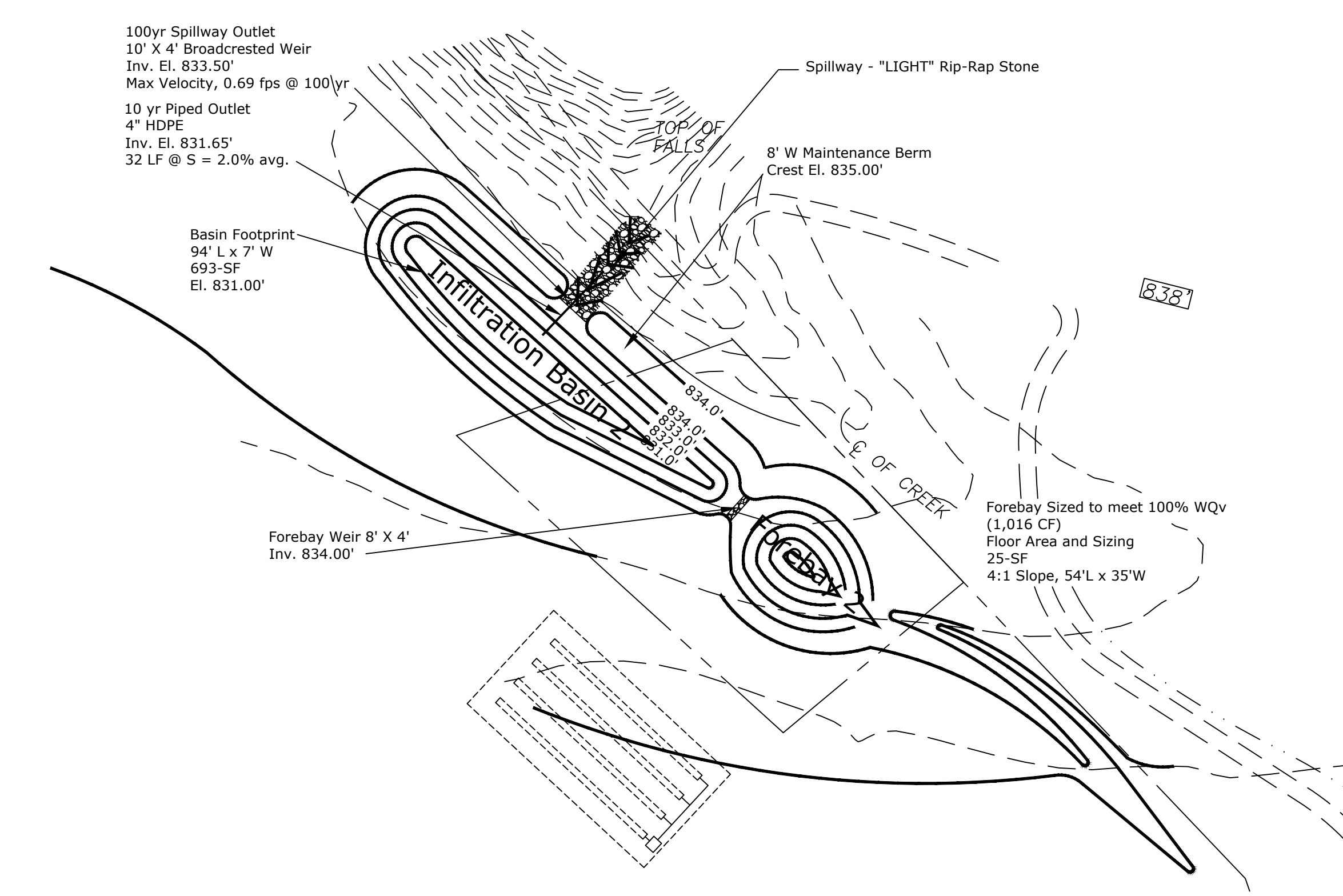
Note 1: Use of recommended infiltration practices dependent upon successful infiltration rate testing with approval by The Town of Lansing. Test to be performed by others. To be suitable for infiltration, underlying soils shall have an infiltration rate of at least 0.5"/hr, have a clay content of less than 20%, and have separation between the bottom of the treatment practice and the seasonal high groundwater table by at least 3 vertical feet.

Note 2: During the initial phase of construction, a sediment basin shall be established using the same footprint, surface area, and secondary outlet elevations as shown in these plans. A layer of Mirafi 140 N drainage fabric (or equal) shall be placed along the bottom of the basin to protect underlying soils from sediment during construction. Once soil disturbance has been completed and the site has achieved 80% germination, the basin shall be made permanent by removing the fabric, cleaning out all accumulated sediment and removing all compacted soil layers prior to installing the engineered subgrade infiltration layers as shown in these plans.

Note 3: Volume and sizing certification must be made for each infiltration practice with as-builts provided to the Town of Lansing.



Infiltration Basin 2 - Drainage Section



INFILTRATION BASIN 2 PLAN

STONE LINING FOR STORMWATER CONVEYANCE SECTIONS						
MIN THICKNESS (THK)	STONE FILLING ITEM	V MAX ¹ 2' DEPTH	SEE NOTES	STONE SIZE ¹	PERCENT OF TOTAL BY WEIGHT	MANNING'S ROUGHNESS COEFF "N"
9"	FINE	11.0 FPS	2,3,4	SMALLER THAN 8" LARGER THAN 3" SMALLER THAN NO. 10 SIEVE	90-100 50-100 0-10	0.0314
15"	LIGHT	13.0 FPS	2,3,4	LIGHTER THAN 100 LBS LARGER THAN 6" SMALLER THAN 1/2"	90-100 50-100 0-10	0.0352
18"	MEDIUM	15.5 FPS	2,3,4	HEAVIER THAN 100 LBS SMALLER THAN 4"	50-100 0-10	0.0395
30"	HEAVY	17.0 FPS	2,3,4	HEAVIER THAN 100 LBS SMALLER THAN 6"	50-100 0-10	0.0423

- NOTES:
- STONE SIZES, OTHER THAN WEIGHTS, REFER TO THE AVERAGE OF THE MAXIMUM AND MINIMUM DIMENSIONS OF A STONE PARTICLE AS ESTIMATED BY THE ENGINEER.
 - MATERIALS SHALL CONTAIN LESS THAN 20 PERCENT OF STONES WITH A RATIO OF MAXIMUM TO MINIMUM DIMENSIONS GREATER THAN THREE.
 - AIR-COOLED BLAST FURNACE SLAG, COBBLES OR GRAVEL HAVING AT LEAST ONE FRACTURED FACE PER ACCEPTABLE SUBSTITUTES FOR STONE UNDER THESE ITEMS, PROVIDED THAT SOUNDNESS AND GRADATION REQUIREMENTS ARE MET.
 - MATERIALS SHALL CONTAIN A SUFFICIENT AMOUNT OF STONES SMALLER THAN THE AVERAGE STONE SIZE TO FILL THE SPACES BETWEEN THE STONES.

REVISIONS

No.	Date	SYM.	Description

INFILTRATION BASIN DETAILS

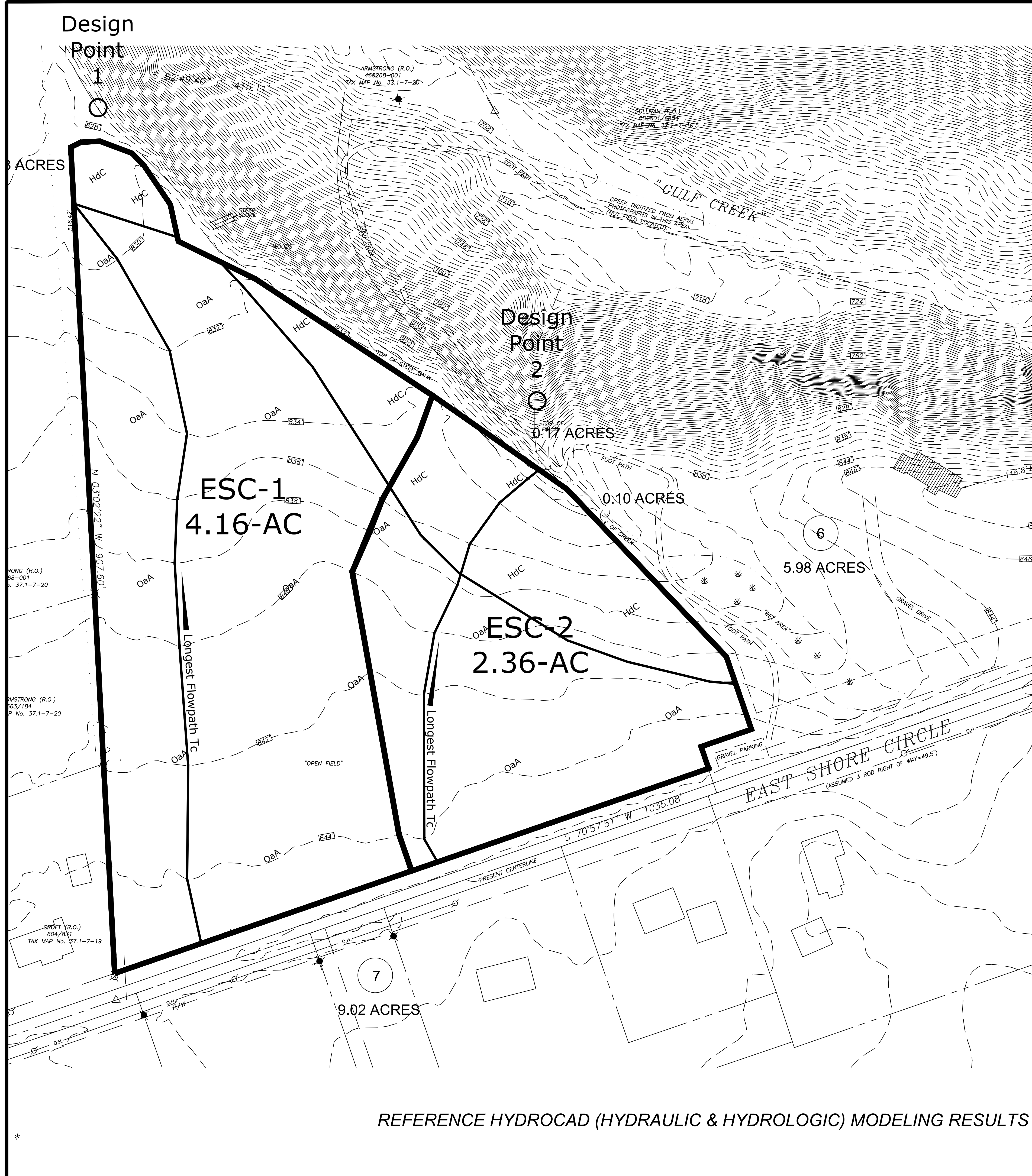
EAST SHORE CIRCLE SUBDIVISION - PHASE 1
106 EAST SHORE CIRCLE
LANSING, NY 14882

JESSE YOUNG
LANDING (T) TOMPKINS CO. N.Y.

TIMOTHY C. BUHL, P.E.

35 FIRE LANE 24, AUBURN, NY 13021

DATE: JAN 25, 2023
SCALE: 1"=50'
DRAWN: SDG
JOB:
SHEET: C-108



Existing Subcatchment 1 - ESC-1
Existing Site Conditions - Area = 181,292 SF (4.16-AC)

Surface Conditions & Soils:
 9% Howard, HdC; Hydrologic Soil Group (HSG) A
 91% Ovid, OaA -Hydrologic Soil Group (HSG) C

Runoff Curve Number = 30, Brush, Good HSG A Soils
 Runoff Curve Number = 65, Brush, Good HSG C Soils

Overland Stormwater Runoff - Longest Flowpath = 743 lf +/-
 Sheet Flow, Range - 100 lf @ S = 2.0% avg.
 Shallow Conc. Flow - Grassed Waterway - 643 lf @ S = 2.2% avg.

To Design Point 1 - (DPE 1)

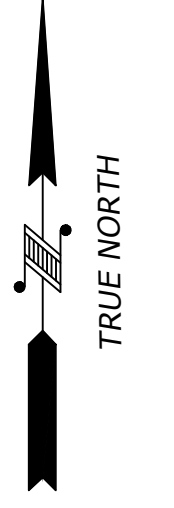
Existing Subcatchment 2 - ESC-2
Existing Site Conditions - Area = 102,943 SF (2.36-AC)

Surface Conditions & Soils:
 20% Howard, HdC; Hydrologic Soil Group (HSG) A
 80% Ovid, OaA -Hydrologic Soil Group (HSG) C

Runoff Curve Number = 30, Brush, Good HSG A Soils
 Runoff Curve Number = 65, Brush, Good HSG C Soils

Overland Stormwater Runoff - Longest Flowpath = 428 lf +/-
 Sheet Flow, Range - 100 lf @ S = 2.0% avg.
 Shallow Conc. Flow - Grassed Waterway - 328 lf @ S = 3.9% avg.

To Design Point 2 - (DPE 2)



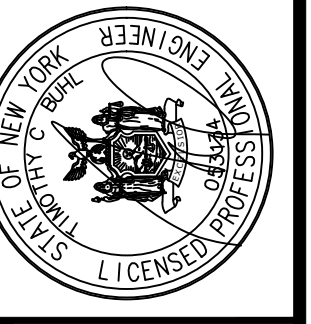
REFERENCE HYDROCAD (HYDRAULIC & HYDROLOGIC) MODELING RESULTS PRESENTED WITH THESE PLANS

No.	Date	SYN.	Description

HYDRAULIC AND HYDROLOGIC
 RUNOFF ANALYSIS WORKSHEET
 EXISTING CONDITIONS

EAST SHORE CIRCLE
 SUBDIVISION PHASE 1
 106 EAST SHORE CIRCLE
 LANSEING, NY 14882

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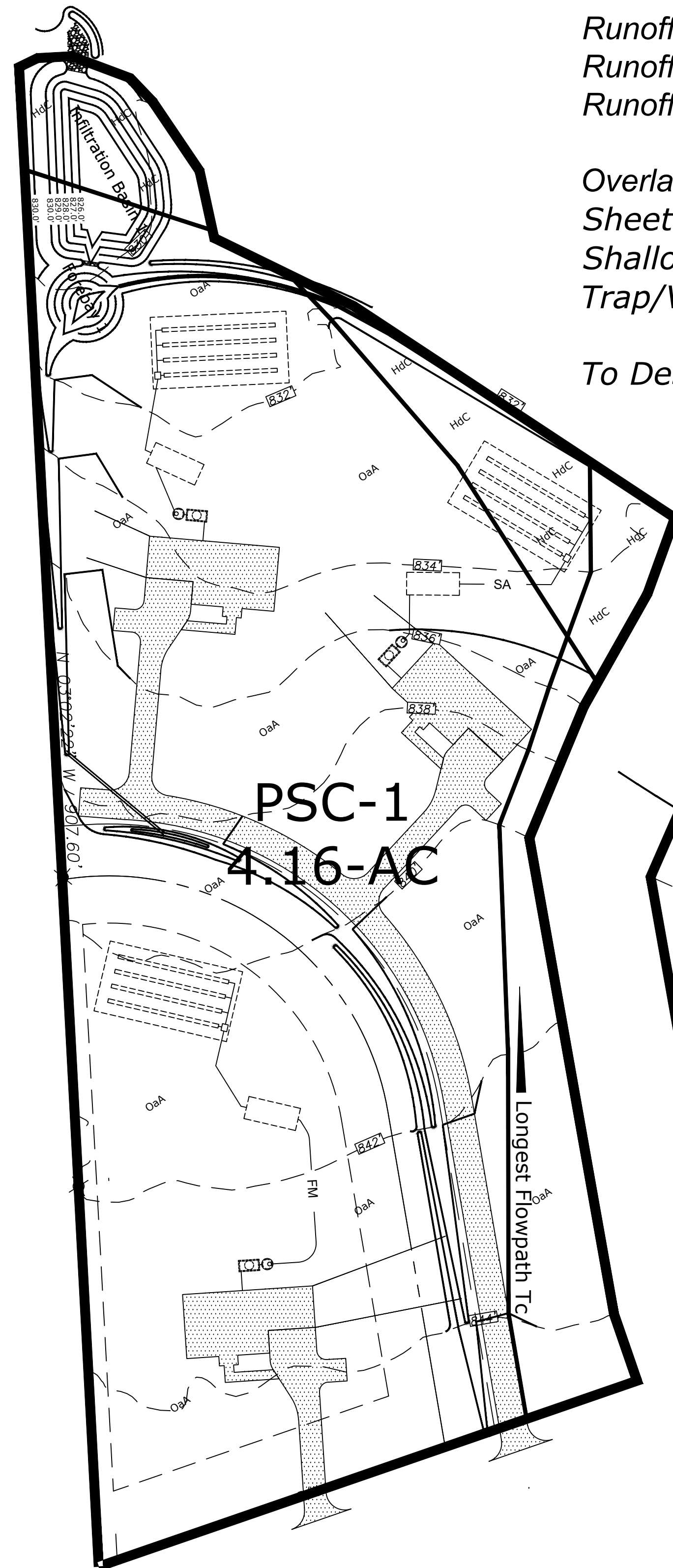
TIMOTHY C. BUHL, P.E.

35 FIRE LANE 24, AUBURN, NY 13021

DATE: JAN 25, 2023
 SCALE: 1"=50'
 DRAWN: SDG
 JOB:
 SHEET:
C-109

Design Point 1

1



Proposed Subcatchment 1 - PSC-1
Proposed Site Conditions - Area = 181,292 SF (6.53-AC)

Surface Conditions & Soils:
9% Howard, HdC; Hydrologic Soil Group (HSG) A
91% Ovid, OaA -Hydrologic Soil Group (HSG) C

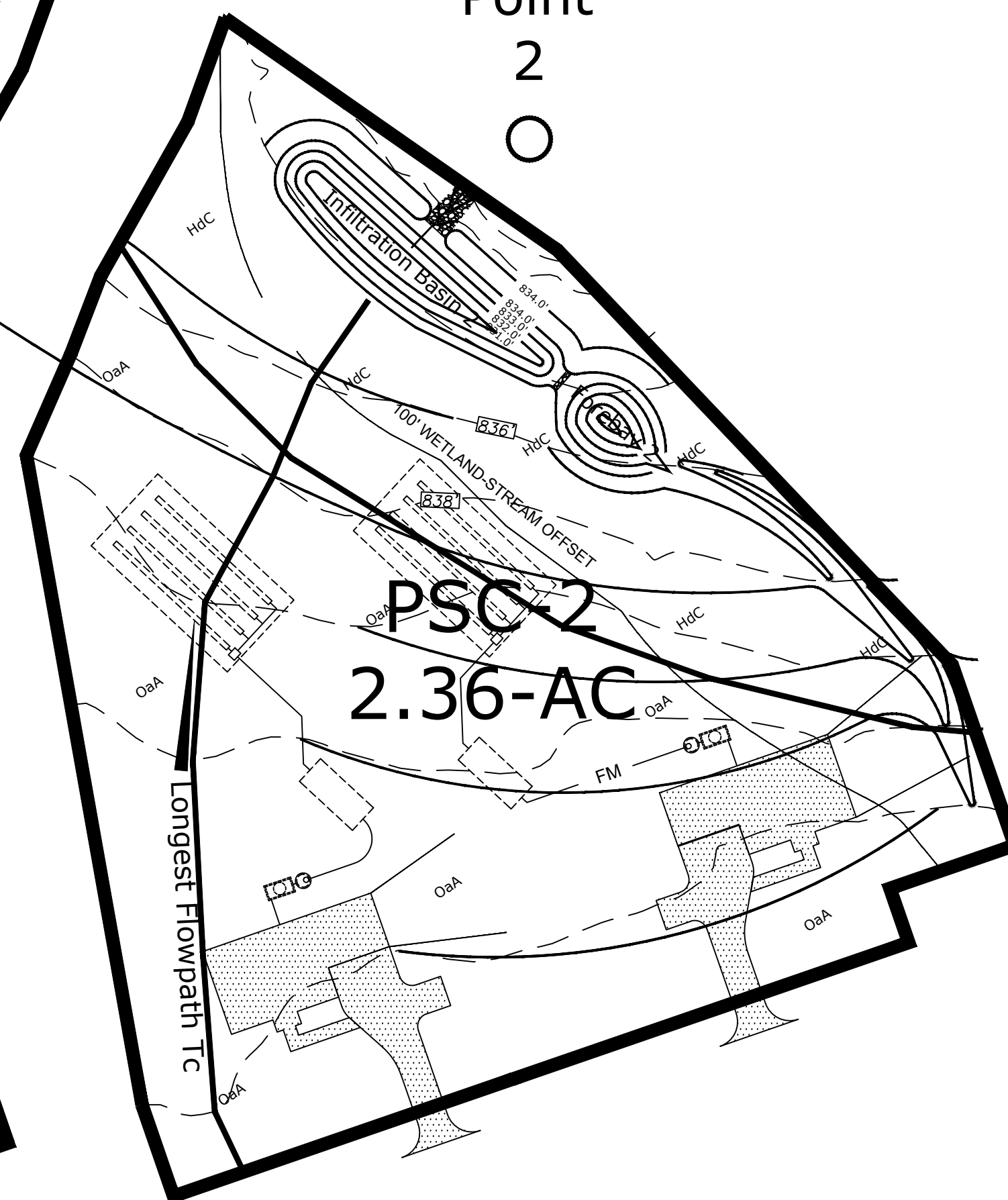
Runoff Curve Number = 39, Grass >75%, Good HSG A Soils
Runoff Curve Number = 74, Grass >75%, Good HSG C Soils
Runoff Curve Number = 98, Rooftops, Street and Drives, Good HSG C Soils

Overland Stormwater Runoff - Longest Flowpath = 743 lf +/-
Sheet Flow, Short Grass - 100 lf @ S = 2.0% avg.
Shallow Conc. Flow - Grassed Waterway - 416 lf @ S = 2.4% avg.
Trap/Vee Channel Flow - 227 lf @ S = 0.8% avg.

To Design Point 1 - (DP 1)

Design Point 2

2



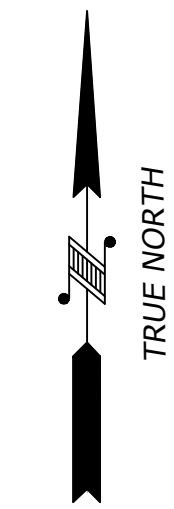
Proposed Subcatchment 2 - PSC-2
Proposed Site Conditions - Area = 102,943 SF (6.53-AC)

Surface Conditions & Soils:
35% Howard, HdC; Hydrologic Soil Group (HSG) A
65% Ovid, OaA -Hydrologic Soil Group (HSG) C

Runoff Curve Number = 39, Grass >75%, Good HSG A Soils
Runoff Curve Number = 74, Grass >75%, Good HSG C Soils
Runoff Curve Number = 98, Rooftops, Street and Drives, Good HSG C Soils

Overland Stormwater Runoff - Longest Flowpath = 358 lf +/-
Sheet Flow, Short Grass - 100 lf @ S = 2.0% avg.
Shallow Conc. Flow - Grassed Waterway - 258 lf @ S = 3.4% avg.

To Design Point 1 - (DP 1)



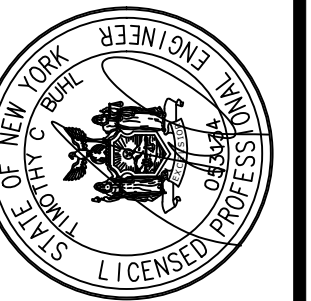
REFERENCE HYDROCAD (HYDRAULIC & HYDROLOGIC) MODELING RESULTS PRESENTED WITH THESE PLANS

No.	Date	SYN.	REVISIONS Description

HYDRAULIC AND HYDROLOGIC RUNOFF ANALYSIS WORKSHEET PROPOSED CONDITIONS

EAST SHORE CIRCLE SUBDIVISION - PHASE 1
106 EAST SHORE CIRCLE
LANSEING, NY 14882

JESSE YOUNG
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