

FINAL SUBDIVISION APPLICATION 3-24-2023

EAST SHORE CIRCLE PHASE 1

7-LOT MAJOR SUBDIVISION

JESSE YOUNG

106 East Shore Circle, Lansing, New York 14882



Trinity C. Dull, P.E.
25 Five Lakes Rd
Auburn, NY 13021

DRAWING LIST

GENERAL

G-001 COVER SHEET

PLAT SUBDIVISION PLAT

CIVIL

C-101 EXISTING CONDITIONS PLAN

C-102 SUBDIVISION PLAN ENTIRE PARCEL

C-103 SUBDIVISION PLAN NORTH

C-104 UTILITY PLAN AND DETAILS

C-105 GRADING AND DRAINAGE PLAN

STORMWATER

C-106 EROSION AND SEDIMENT CONTROL PLAN

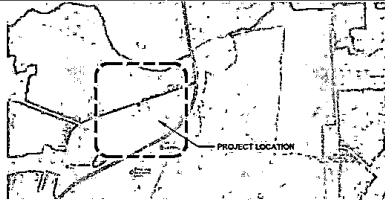
C-107 EROSION AND SEDIMENT DETAILS

C-108 STORMWATER PRACTICE DETAILS

C-109 HYDRAULIC AND HYDROLOGIC RUNOFF ANALYSIS WORKSHEET EXISTING CONDITIONS

C-110 HYDRAULIC AND HYDROLOGIC RUNOFF ANALYSIS WORKSHEET PROPOSED CONDITIONS

PROJECT LOCATION PLAN



PROJECT INFORMATION

DATE: 3/24/2023
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

G-001

LEGEND
 Δ - COMPUTED POINT
 ⊙ - IRON SET WITH CAP
 ⊙ - IRON PIN FOUND
 ⊙ - IRON PIPE FOUND
 ⊙ - UTILITY POLE
 --- PROPOSED NEW DIVISION LINE
 ① - PROPOSED LOT NUMBERS

NOTE:
 1. THIS SURVEY WAS PREPARED WITHOUT BENEFIT OF AN ABSTRACT OF TITLE PROVIDED SUBJECT TO ANY STATE OF FACT THAT AN ABSTRACT OF TITLE HAS BEEN OBTAINED.
 2. FIELDWORK FOR PARCELS SHOWN HEREON WAS PERFORMED ON 11/16/2022.
 3. LOTS 1 & 2 TO PROVIDE EASEMENT TO LOT 7 FOR FUTURE WATER SERVICE.
 4. RIGHTS OF REVERSION FOR A POTENTIAL TOWN ROAD.

MAP REFERENCES:
 1. 13.9000 SUBDIVISION FINAL PLAN SHOWING PORTION OF LANDS OF JOHN F. YOUNG, SUSAN M. BARNETT, JAMES R. YOUNG & JULIE R. YOUNG LOCATED ON EAST SHORE CIRCLE - MAPS 37.1-7-10, 37.1-7-11, 37.1-7-12.

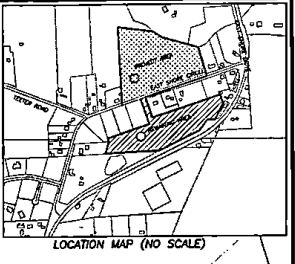
SUBDIVISION NOTES:
 1. THE LAND AND THE RESULTING PARCELS MAY NOT BE FURTHER SUBDIVIDED OR HAVE ANY BOUNDARIES CHANGED WITHOUT FURTHER SUBDIVISION OR CROSS APPROVAL OF AND BY THE TOWN OF LANSING PLANNING BOARD.

CURVE TABLE

CHORD	BEARING	CHORD LENGTH	ARC LENGTH	ARC AREA
C1	N 82°49'40" W	136.15	125.00	125.00
C2	S 82°49'40" E	133.50	125.00	125.00
C3	N 20°54'36" W	197.85	180.00	180.00
C4	S 20°54'36" E	197.85	180.00	180.00
C5	N 70°57'51" W	174.85	160.00	160.00
C6	S 70°57'51" E	174.85	160.00	160.00
C7	N 19°02'09" E	46.97	40.00	40.00
C8	S 19°02'09" E	46.97	40.00	40.00

LINE TABLE

LINE	BEARING	DISTANCE
L1	N 20°54'36" E	180.00
L2	S 20°54'36" E	180.00
L3	S 70°57'51" E	160.00
L4	S 19°02'09" E	40.00



TITLE INFORMATION
 JOHN F. YOUNG, SUSAN M. BARNETT
 JAMES R. YOUNG & JULIE R. YOUNG
 P/O INSTRUMENT No. 463401-001
 P/O TAX MAP No. 37.1-7-12.2

EAST SHORE CIRCLE
 (FORMED 3' FROM RIGHT OF WAY)

CERTIFICATION
 I hereby certify to JOHN F. YOUNG, SUSAN M. BARNETT, JAMES R. YOUNG & JULIE R. YOUNG that I am a licensed land surveyor, New York State License No. 55005E, and that this map correctly delineates an actual survey on the ground made by me or under my direct supervision and that I found no visible encroachments either way across property lines except as shown herein.
 SIGNED: L. J. [Signature] DATED: 3/7/2023

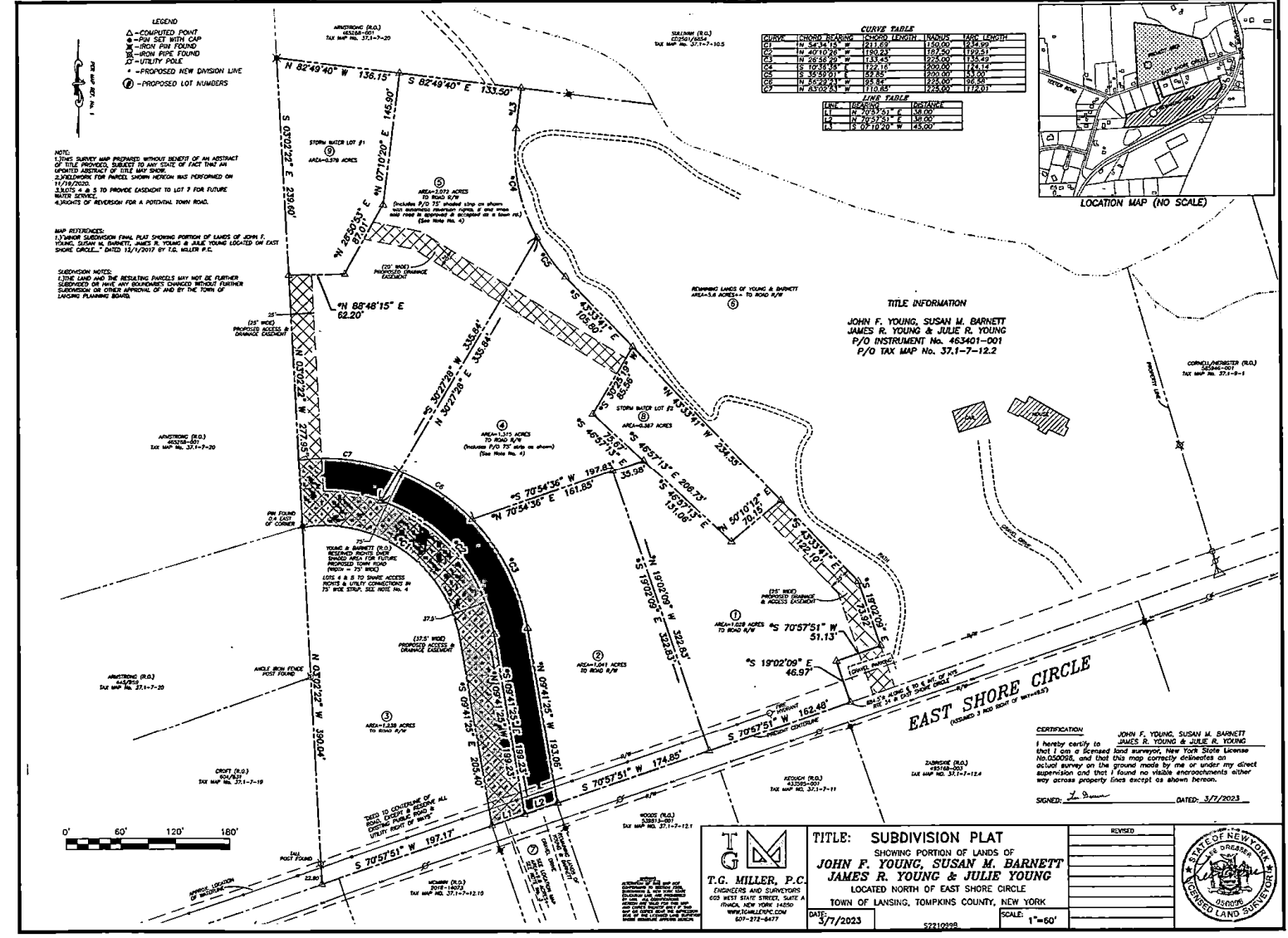


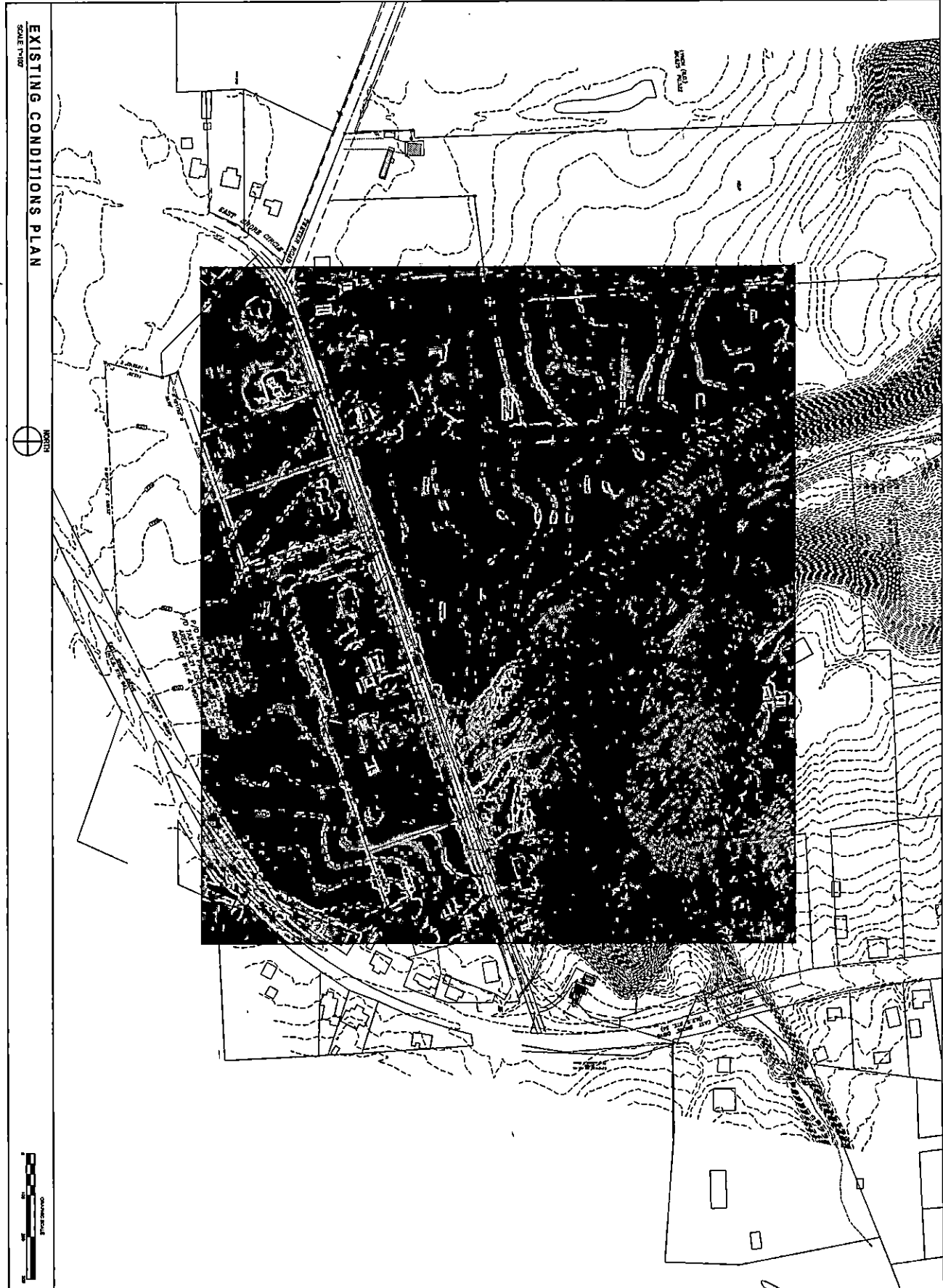
TGM
T.G. MILLER, P.C.
 ENGINEERS AND SURVEYORS
 603 WEST STATE STREET, SUITE A
 ITHACA, NEW YORK 14850
 WWW.TGMILLERPC.COM
 607-377-8477

TITLE: SUBDIVISION PLAT
 SHOWING PORTION OF LANDS OF
JOHN F. YOUNG, SUSAN M. BARNETT
JAMES R. YOUNG & JULIE YOUNG
 LOCATED NORTH OF EAST SHORE CIRCLE
 TOWN OF LANSING, TOMPKINS COUNTY, NEW YORK
 DATE: 3/7/2023 SCALE: 1"=60'

REVISIONS

NO.	DATE	DESCRIPTION





EXISTING CONDITIONS PLAN
SCALE 1"=100'



C-101

EXISTING
CONDITIONS
PLAN

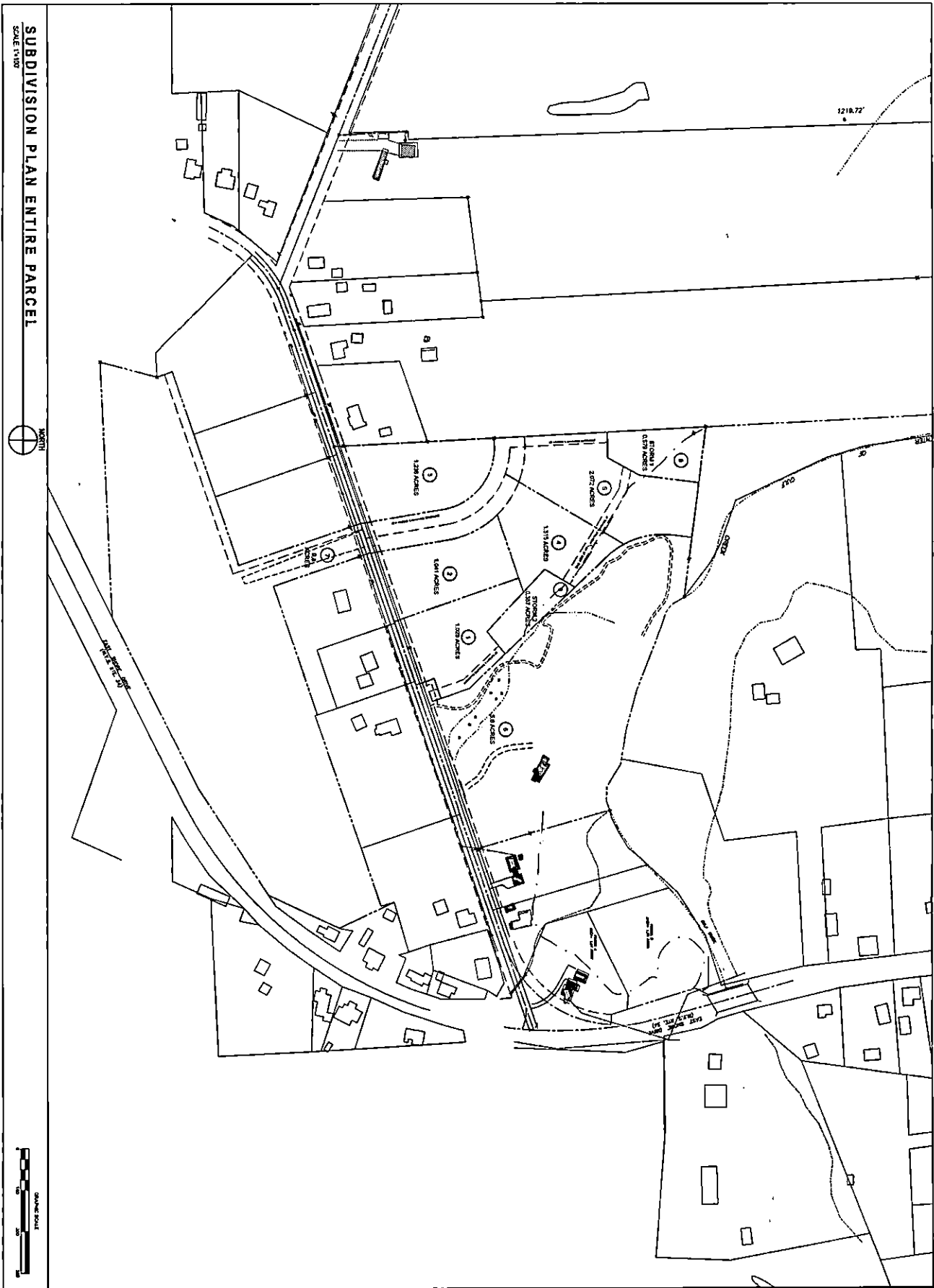
NO.	DATE	DESCRIPTION

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

WARNING:
This plan is prepared under contract and is not intended to be used for any other purpose. It is the responsibility of the client to provide accurate information and to ensure that the plan is used only for the intended purpose. The client is advised that the plan is not a warranty of any kind and that the engineer or architect does not assume any liability for any errors or omissions. The plan is not to be used for any other purpose without the written consent of the engineer or architect.

SCHARF ENGINEERING, LLC
1000 WEST 10TH STREET
LANSING, NY 14882
(607) 735-1234

SCHARF ARCHITECTURE, LLC
1000 WEST 10TH STREET
LANSING, NY 14882
(607) 735-1234



SUBDIVISION PLAN ENTIRE PARCEL



C-102

SUBDIVISION PLAN ENTIRE PARCEL

DATE	DESCRIPTION

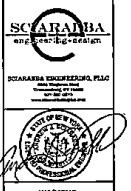
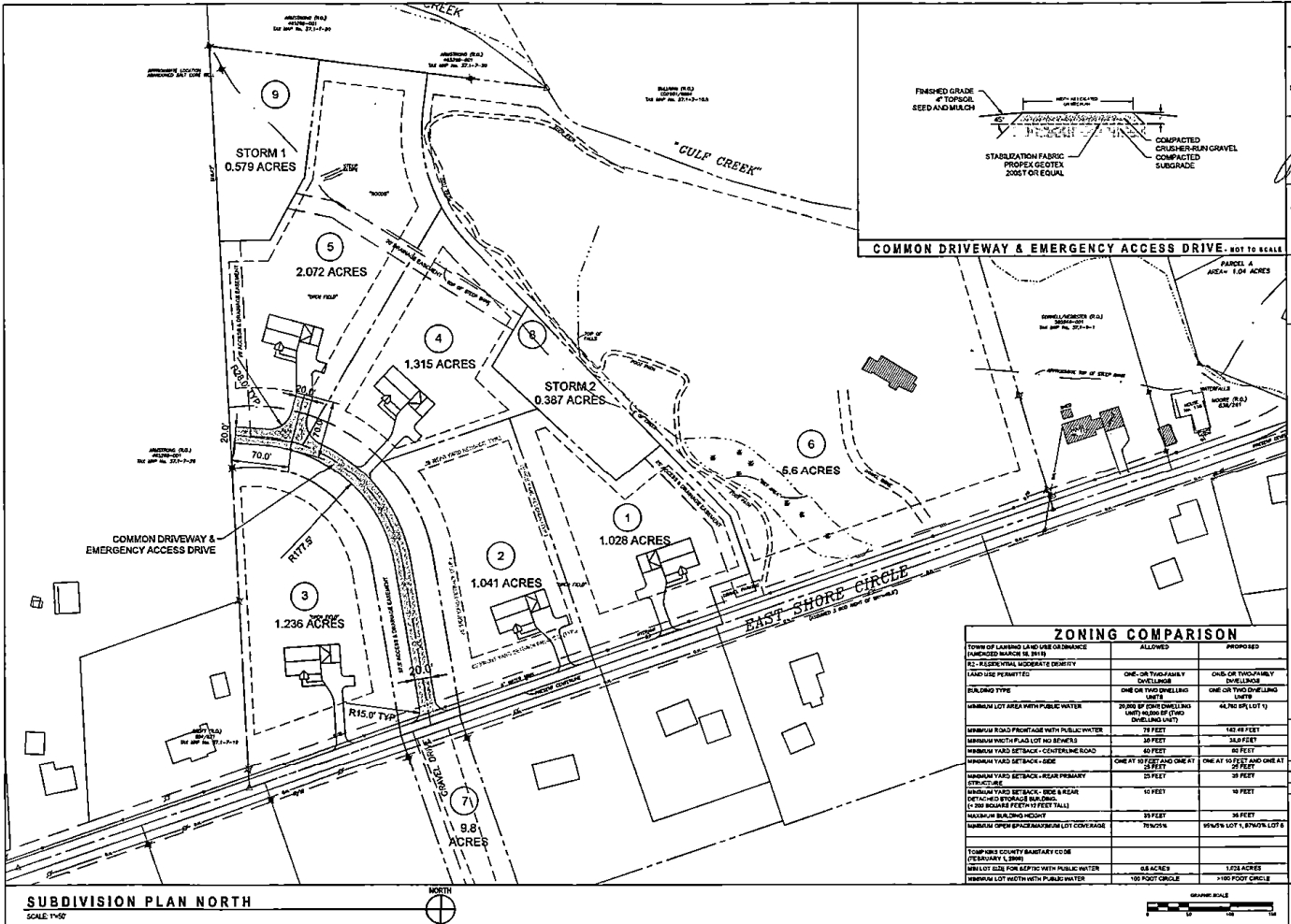
**EAST SHORE CIRCLE SUBDIVISION
PHASE 1**
106 EAST SHORE CIRCLE LANSING NY, 14882

1. This Subdivision is shown for information only. It is not a guarantee of any kind. The actual boundaries and areas shown here may vary from those shown on the ground. The actual boundaries and areas shown here may vary from those shown on the ground.



STATE OF NEW YORK
 SURVEYOR
 JAMES M. ...
 ...
 ...
 ...



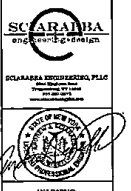
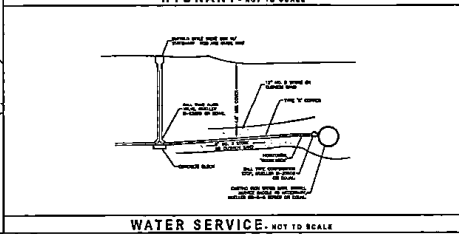
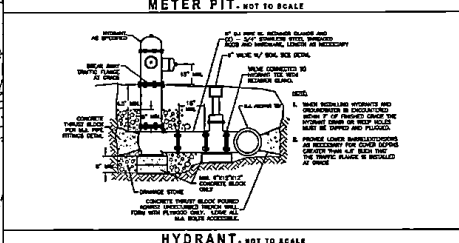
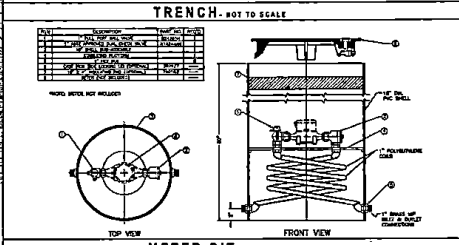
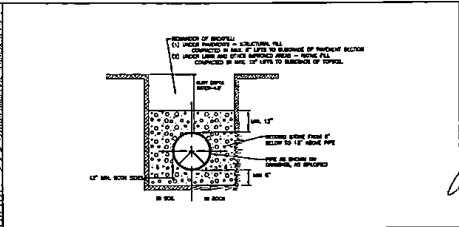


WARNING:
 This subdivision plan is prepared in accordance with the provisions of the subdivision law of the State of New York. It is intended to be used in conjunction with the subdivision map and the subdivision map of record in the office of the County Clerk of the County of Westchester, New York. It is not to be used for any other purpose without the express written consent of the Professional Engineer who prepared the same.

ZONING COMPARISON		
TOWN OF LANSING LAND USE ORDINANCE (AMENDED MARCH 16, 2019)	ALLOWED	PROPOSED
12. RESIDENTIAL MEDIUM-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 SQ FT (ONE DWELLING UNIT) 30,000 SQ FT (TWO DWELLING UNITS)	16,700 SQ FT (1)
MINIMUM ROAD FRONTAGE WITH PUBLIC WATER:	75 FEET	100 FEET
MINIMUM FRONT YARD SETBACK (NO DRIVEWAYS):	25 FEET	25 FEET
MINIMUM YARD SETBACK - CENTERLINE ROAD:	25 FEET	25 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 2-SPACE GARAGE) (200 SQUARE FEET - 10 FEET TALL):	10 FEET	10 FEET
MAXIMUM BUILDING HEIGHT:	25 FEET	35 FEET
MINIMUM OPEN SPACE/MINIMUM LOT COVERAGE:	25% (25)	MIN 15% LOT, 8% (25) LOT 8
TOWN OF LANSING COUNTY BOUNDARY CODE (RESIDENTIAL 1.000):		
MIN LOT SIZE FOR SEPTIC WITH PUBLIC WATER:	0.5 ACRES	1.023 ACRES
MINIMUM LOT WIDTH WITH PUBLIC WATER:	100 FOOT CIRCLE	1100 FOOT CIRCLE

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

SUBDIVISION PLAN NORTH
 SCALE 1"=50'
 C-103



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

UTILITY PLAN
 SCALE 1"=50'

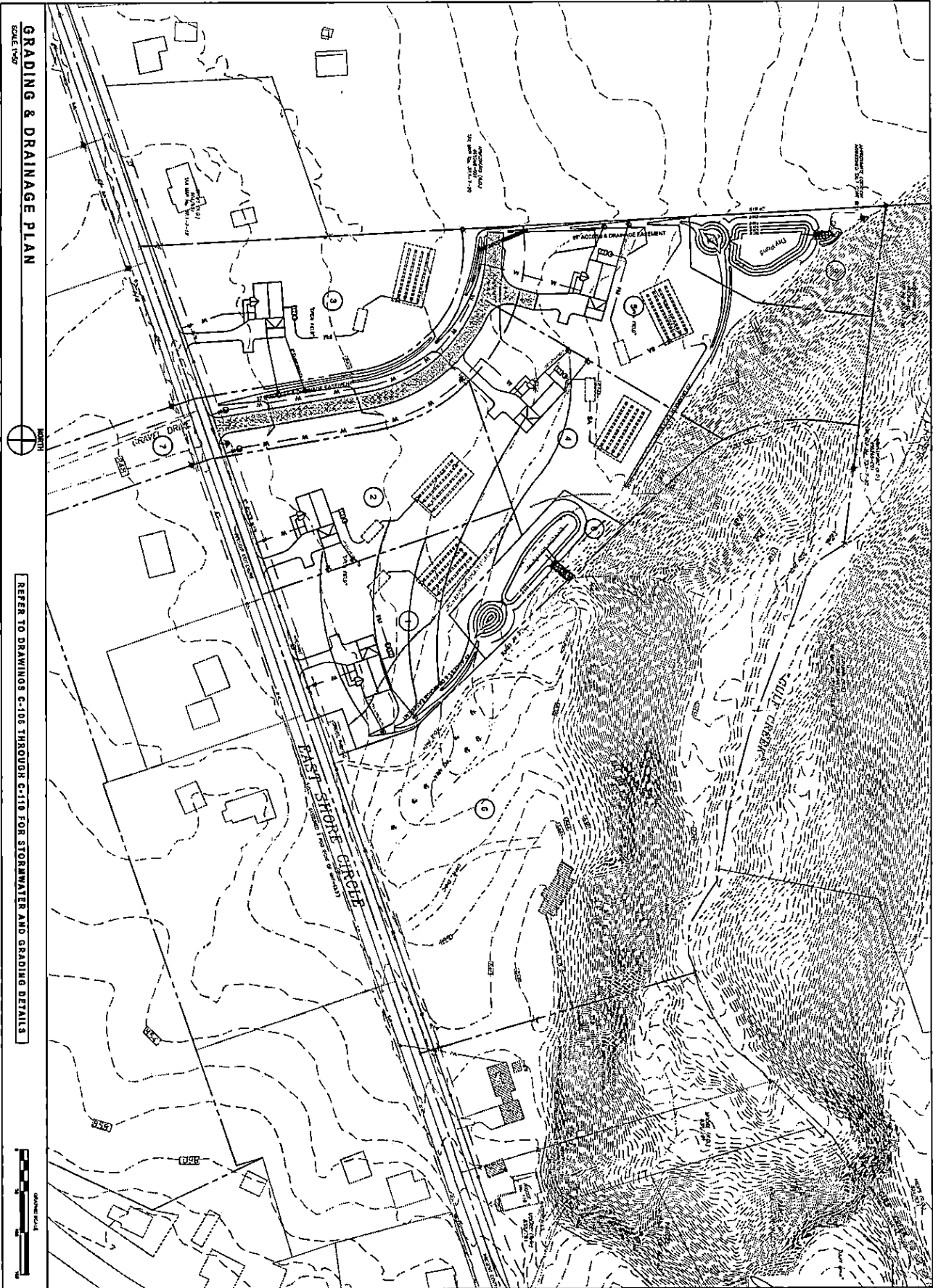
LOT OWNERS TO APPLY FOR AND OBTAIN A PERMIT FROM THE TCHD FOR EACH INDIVIDUAL ONSITE WASTEWATER TREATMENT SYSTEM. SYSTEMS SHOWN ARE FOR REFERENCE ONLY.



NO.	DESCRIPTION	DATE
1	PREPARED	10/1/20
2	CHECKED	10/1/20
3	APPROVED	10/1/20

UTILITY PLAN & DETAILS

C-104



GRADING & DRAINAGE PLAN
SCALE 1"=40'

REFER TO DRAWINGS C-106 THROUGH C-110 FOR STORMWATER AND GRADING DETAILS



C-105

GRADING & DRAINAGE PLAN

DATE	10/15/10
SCALE	1"=40'
PROJECT	EAST SHORE CIRCLE SUBDIVISION PHASE 1
OWNER	106 EAST SHORE CIRCLE LANSING NY, 14882
DESIGNER	SCARABPA
CHECKED	
APPROVED	

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

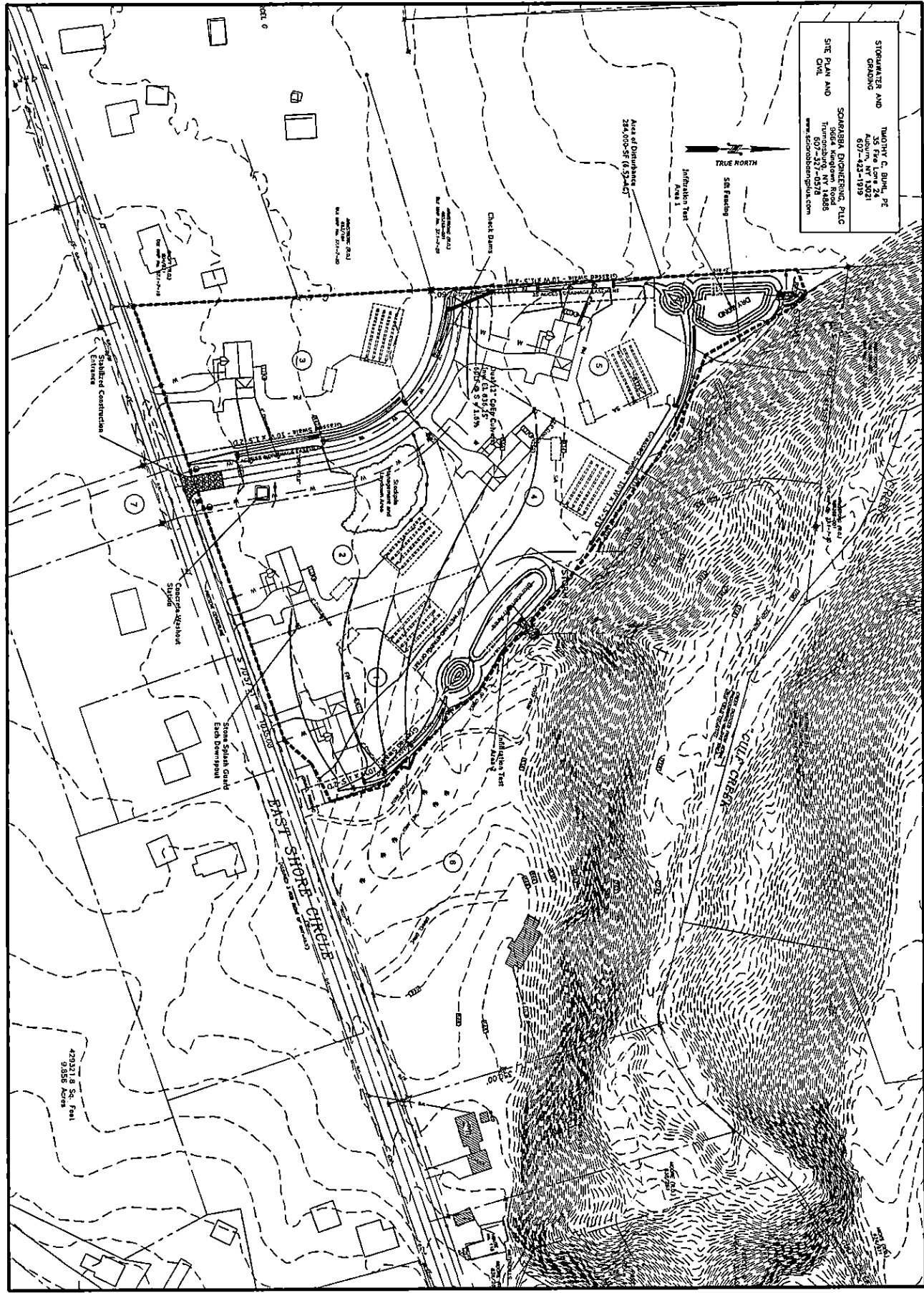
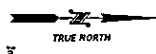
WARNING:
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SCARABPA
INCORPORATED
106 EAST SHORE CIRCLE
LANSING, NY 14882
TEL: 607-735-1111
WWW.SCARABPA.COM



STORMWATER AND
 EROSION
 CONTROL
 PLAN AND
 CIVIL
 SOHARBA ENGINEERING, PLLC
 100A Anderson Road
 807-371-0378
 www.soharbaengineering.com



DATE: JAN 25, 2013
 SCALE: 1" = 50'
 DRAWING: EDC
 SHEET: C-106

TIMOTHY C. BUHL, P.E.
 35 FIRE LANE 24, AUBURN, NY 13021

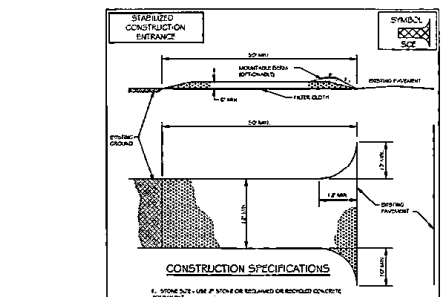


EROSION AND SEDIMENT CONTROL PLAN
 JESSE YOUNG
 LANSING (T) TONOPKINS CO. N.Y.
 EAST SHORE CIRCLE
 SUBDIVISION - PHASE I
 106 EAST SHORE CIRCLE
 LANSING, NY 14882

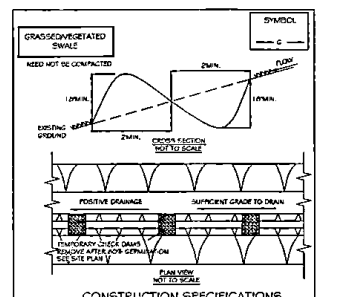
REVISIONS	
No.	Description

GENERAL NOTES

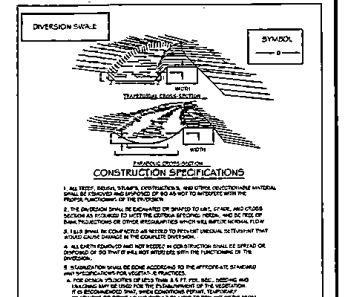
1. PHYSICALLY MARK LIMITS OF LAND OBTAINABLE ON THE SITE WITH TYPICAL, SLOPE, OR GRADE CONSTRUCTION PRACTICES, SO THAT WORKERS CAN SEE THE AREAS TO BE PROTECTED.
2. DIVERT ALL SITE DRAINAGE FROM HIGHLY ERODIBLE SOILS AND STOP SLOPES TO STABLE AREAS.
3. CLEARANCE WORK IS REQUIRED FOR IMMEDIATE CONSTRUCTION ACTIVITY. LARGE TREES SHOULD BE CUT FIRST AND GRASS AND CONSTRUCTION PROGRESSIVE. AREAS TO BE CLEARED ARE TO BE CLEARED WITHIN 10 DAYS OF THE START OF CONSTRUCTION. AREAS TO BE CLEARED SHOULD BE CLEARED WITHIN 10 DAYS OF THE START OF CONSTRUCTION. MAINTAINANCE MAINTENANCE SHALL BE PERFORMED AS NECESSARY TO MAINTAIN THE STABILITY OF THE SLOPE. MAINTENANCE SHALL BE PERFORMED AS NECESSARY TO MAINTAIN THE STABILITY OF THE SLOPE. MAINTENANCE SHALL BE PERFORMED AS NECESSARY TO MAINTAIN THE STABILITY OF THE SLOPE.
4. REVEGETATE DISTURBED AREAS AS SOON AS POSSIBLE AFTER CONSTRUCTION IS COMPLETED. ON SITES GREATER THAN TWO ACRES IN SIZE, THE LAND SHOULD BE REVEGETATED WITHIN 90 DAYS OF THE COMPLETION OF CONSTRUCTION. REVEGETATION SHALL BE PERFORMED AS NECESSARY TO MAINTAIN THE STABILITY OF THE SLOPE. MAINTENANCE MAINTENANCE SHALL BE PERFORMED AS NECESSARY TO MAINTAIN THE STABILITY OF THE SLOPE. MAINTENANCE MAINTENANCE SHALL BE PERFORMED AS NECESSARY TO MAINTAIN THE STABILITY OF THE SLOPE.
5. FOR ACTIVE CONSTRUCTION AREAS SUCH AS EXCAVATION OR SLOPE STABILIZATION, REVEGETATION SHOULD BE PERFORMED WITHIN 90 DAYS OF THE COMPLETION OF CONSTRUCTION. REVEGETATION SHALL BE PERFORMED AS NECESSARY TO MAINTAIN THE STABILITY OF THE SLOPE. MAINTENANCE MAINTENANCE SHALL BE PERFORMED AS NECESSARY TO MAINTAIN THE STABILITY OF THE SLOPE. MAINTENANCE MAINTENANCE SHALL BE PERFORMED AS NECESSARY TO MAINTAIN THE STABILITY OF THE SLOPE.
6. PREVENTIVE MEASURES SHOULD BE INSTALLED AT THE START OF CONSTRUCTION AND MAINTAINED THROUGHOUT CONSTRUCTION. PREVENTIVE MEASURES SHOULD BE INSTALLED AT THE START OF CONSTRUCTION AND MAINTAINED THROUGHOUT CONSTRUCTION. PREVENTIVE MEASURES SHOULD BE INSTALLED AT THE START OF CONSTRUCTION AND MAINTAINED THROUGHOUT CONSTRUCTION.
7. TEMPORARY EROSION CONTROL MEASURES SHALL BE INSTALLED AS NECESSARY TO MAINTAIN THE STABILITY OF THE SLOPE. MAINTENANCE MAINTENANCE SHALL BE PERFORMED AS NECESSARY TO MAINTAIN THE STABILITY OF THE SLOPE. MAINTENANCE MAINTENANCE SHALL BE PERFORMED AS NECESSARY TO MAINTAIN THE STABILITY OF THE SLOPE.
8. ALL SLOPES STEEPER THAN 3:1 (H:V) OR 33% SLOPE AS WELL AS EXCAVATION SLOPES SHALL BE PROTECTED WITHIN 90 DAYS OF THE COMPLETION OF CONSTRUCTION. REVEGETATION SHALL BE PERFORMED AS NECESSARY TO MAINTAIN THE STABILITY OF THE SLOPE. MAINTENANCE MAINTENANCE SHALL BE PERFORMED AS NECESSARY TO MAINTAIN THE STABILITY OF THE SLOPE. MAINTENANCE MAINTENANCE SHALL BE PERFORMED AS NECESSARY TO MAINTAIN THE STABILITY OF THE SLOPE.
9. TEMPORARY EROSION CONTROL MEASURES SHALL BE INSTALLED AS NECESSARY TO MAINTAIN THE STABILITY OF THE SLOPE. MAINTENANCE MAINTENANCE SHALL BE PERFORMED AS NECESSARY TO MAINTAIN THE STABILITY OF THE SLOPE. MAINTENANCE MAINTENANCE SHALL BE PERFORMED AS NECESSARY TO MAINTAIN THE STABILITY OF THE SLOPE.
10. TEMPORARY EROSION CONTROL MEASURES SHALL BE INSTALLED AS NECESSARY TO MAINTAIN THE STABILITY OF THE SLOPE. MAINTENANCE MAINTENANCE SHALL BE PERFORMED AS NECESSARY TO MAINTAIN THE STABILITY OF THE SLOPE. MAINTENANCE MAINTENANCE SHALL BE PERFORMED AS NECESSARY TO MAINTAIN THE STABILITY OF THE SLOPE.



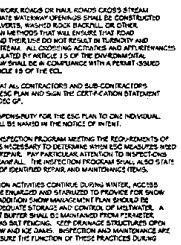
- CONSTRUCTION SPECIFICATIONS**
1. STABILIZED ENTRANCE SHALL BE CONSTRUCTED ON A SLOPE OF 3:1 OR GREATER.
 2. STABILIZED ENTRANCE SHALL BE CONSTRUCTED ON A SLOPE OF 3:1 OR GREATER.
 3. STABILIZED ENTRANCE SHALL BE CONSTRUCTED ON A SLOPE OF 3:1 OR GREATER.
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 10. STABILIZED ENTRANCE SHALL BE CONSTRUCTED ON A SLOPE OF 3:1 OR GREATER.



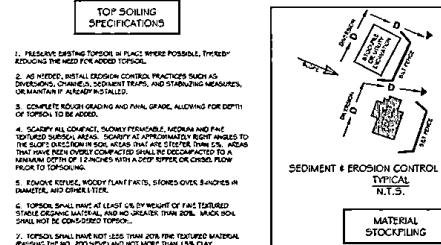
- CONSTRUCTION SPECIFICATIONS**
1. DRAINAGE AREA SHALL BE LESS THAN 5 ACRES.
 2. SWALE SHALL BE CONSTRUCTED ON A SLOPE OF 2:1 OR GREATER.
 3. SWALE SHALL BE CONSTRUCTED ON A SLOPE OF 2:1 OR GREATER.
 4. SWALE SHALL BE CONSTRUCTED ON A SLOPE OF 2:1 OR GREATER.
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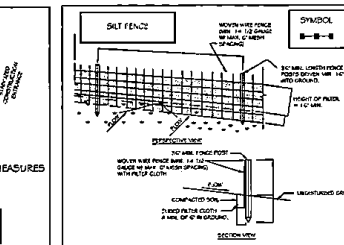
- CONSTRUCTION SPECIFICATIONS**
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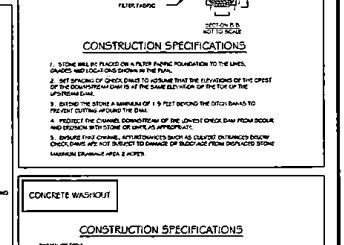
- CONSTRUCTION SPECIFICATIONS**
1. CHECK DAM SHALL BE CONSTRUCTED ON A SLOPE OF 2:1 OR GREATER.
 2. CHECK DAM SHALL BE CONSTRUCTED ON A SLOPE OF 2:1 OR GREATER.
 3. CHECK DAM SHALL BE CONSTRUCTED ON A SLOPE OF 2:1 OR GREATER.
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 9. CHECK DAM SHALL BE CONSTRUCTED ON A SLOPE OF 2:1 OR GREATER.
 10. CHECK DAM SHALL BE CONSTRUCTED ON A SLOPE OF 2:1 OR GREATER.



- CONSTRUCTION SPECIFICATIONS**
1. TOP SOILING SHALL BE CONSTRUCTED ON A SLOPE OF 2:1 OR GREATER.
 2. TOP SOILING SHALL BE CONSTRUCTED ON A SLOPE OF 2:1 OR GREATER.
 3. TOP SOILING SHALL BE CONSTRUCTED ON A SLOPE OF 2:1 OR GREATER.
 4. TOP SOILING SHALL BE CONSTRUCTED ON A SLOPE OF 2:1 OR GREATER.
 5. TOP SOILING SHALL BE CONSTRUCTED ON A SLOPE OF 2:1 OR GREATER.
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 8. TOP SOILING SHALL BE CONSTRUCTED ON A SLOPE OF 2:1 OR GREATER.
 9. TOP SOILING SHALL BE CONSTRUCTED ON A SLOPE OF 2:1 OR GREATER.
 10. TOP SOILING SHALL BE CONSTRUCTED ON A SLOPE OF 2:1 OR GREATER.



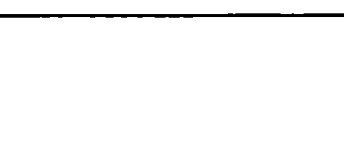
- CONSTRUCTION SPECIFICATIONS**
1. SILT FENCE SHALL BE CONSTRUCTED ON A SLOPE OF 2:1 OR GREATER.
 2. SILT FENCE SHALL BE CONSTRUCTED ON A SLOPE OF 2:1 OR GREATER.
 3. SILT FENCE SHALL BE CONSTRUCTED ON A SLOPE OF 2:1 OR GREATER.
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 10. SILT FENCE SHALL BE CONSTRUCTED ON A SLOPE OF 2:1 OR GREATER.



- CONSTRUCTION SPECIFICATIONS**
1. CONCRETE WASHOUT SHALL BE CONSTRUCTED ON A SLOPE OF 2:1 OR GREATER.
 2. CONCRETE WASHOUT SHALL BE CONSTRUCTED ON A SLOPE OF 2:1 OR GREATER.
 3. CONCRETE WASHOUT SHALL BE CONSTRUCTED ON A SLOPE OF 2:1 OR GREATER.
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 8. CONCRETE WASHOUT SHALL BE CONSTRUCTED ON A SLOPE OF 2:1 OR GREATER.
 9. CONCRETE WASHOUT SHALL BE CONSTRUCTED ON A SLOPE OF 2:1 OR GREATER.
 10. CONCRETE WASHOUT SHALL BE CONSTRUCTED ON A SLOPE OF 2:1 OR GREATER.



- CONSTRUCTION SPECIFICATIONS**
1. SEDIMENT BASIN SHALL BE CONSTRUCTED ON A SLOPE OF 2:1 OR GREATER.
 2. SEDIMENT BASIN SHALL BE CONSTRUCTED ON A SLOPE OF 2:1 OR GREATER.
 3. SEDIMENT BASIN SHALL BE CONSTRUCTED ON A SLOPE OF 2:1 OR GREATER.
 4. SEDIMENT BASIN SHALL BE CONSTRUCTED ON A SLOPE OF 2:1 OR GREATER.
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 8. SEDIMENT BASIN SHALL BE CONSTRUCTED ON A SLOPE OF 2:1 OR GREATER.
 9. SEDIMENT BASIN SHALL BE CONSTRUCTED ON A SLOPE OF 2:1 OR GREATER.
 10. SEDIMENT BASIN SHALL BE CONSTRUCTED ON A SLOPE OF 2:1 OR GREATER.



- CONSTRUCTION SPECIFICATIONS**
1. MATERIAL STOCKPILE SHALL BE CONSTRUCTED ON A SLOPE OF 2:1 OR GREATER.
 2. MATERIAL STOCKPILE SHALL BE CONSTRUCTED ON A SLOPE OF 2:1 OR GREATER.
 3. MATERIAL STOCKPILE SHALL BE CONSTRUCTED ON A SLOPE OF 2:1 OR GREATER.
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 9. MATERIAL STOCKPILE SHALL BE CONSTRUCTED ON A SLOPE OF 2:1 OR GREATER.
 10. MATERIAL STOCKPILE SHALL BE CONSTRUCTED ON A SLOPE OF 2:1 OR GREATER.



- CONSTRUCTION SPECIFICATIONS**
1. LAND GRADING SHALL BE CONSTRUCTED ON A SLOPE OF 2:1 OR GREATER.
 2. LAND GRADING SHALL BE CONSTRUCTED ON A SLOPE OF 2:1 OR GREATER.
 3. LAND GRADING SHALL BE CONSTRUCTED ON A SLOPE OF 2:1 OR GREATER.
 4. LAND GRADING SHALL BE CONSTRUCTED ON A SLOPE OF 2:1 OR GREATER.
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 8. LAND GRADING SHALL BE CONSTRUCTED ON A SLOPE OF 2:1 OR GREATER.
 9. LAND GRADING SHALL BE CONSTRUCTED ON A SLOPE OF 2:1 OR GREATER.
 10. LAND GRADING SHALL BE CONSTRUCTED ON A SLOPE OF 2:1 OR GREATER.

EXCERPTS FROM NYS STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL NOVEMBER 2016

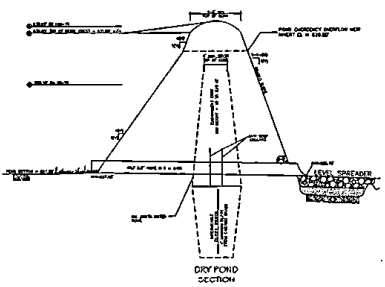
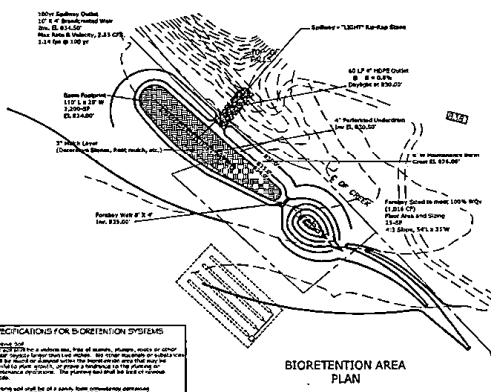
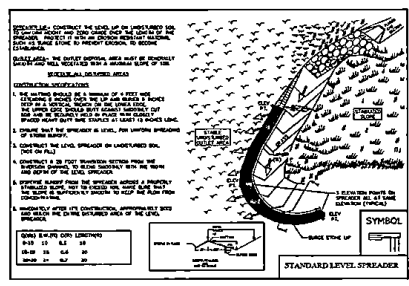
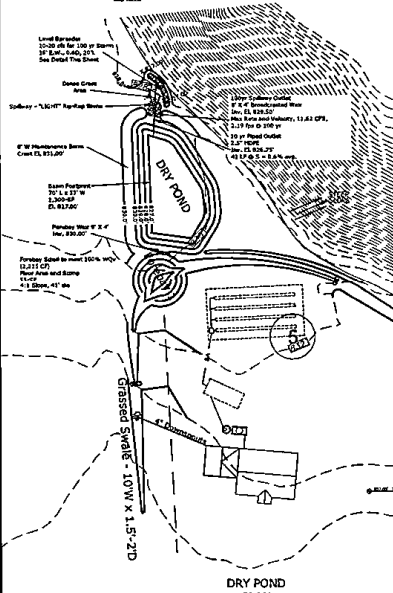
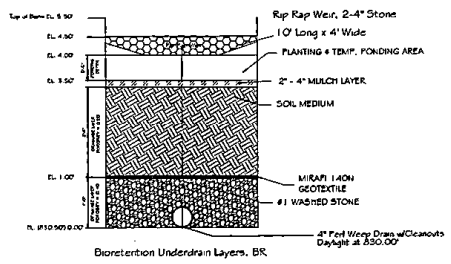
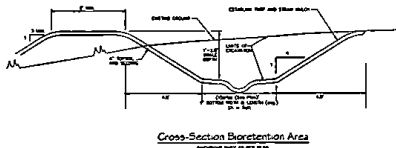
EROSION AND SEDIMENT CONTROL

TIMOTHY C. BUHL, P.E.

35 EBBE LANE 24, AUBURN, NY 13021

DATE: 08/15/2019
SCALE: 1" = 10'-0"
PROJECT: SDC
JOB: 100 EAST SHORE DRIVE
SHEET: C-107

NOTES:
POND SPILLWAY CONSTRUCTION:
 1. SPILLWAY SHALL BE CONSTRUCTED TO PROVIDE PROTECTION FROM OVERFLOW OF THE POND AND TO BE PROTECTED FROM DAMAGE BY VEHICLES OR OTHER UNDESIRABLE ACTS.
 2. SPILLWAY SHALL BE CONSTRUCTED TO PROVIDE PROTECTION FROM OVERFLOW OF THE POND AND TO BE PROTECTED FROM DAMAGE BY VEHICLES OR OTHER UNDESIRABLE ACTS.
 3. SPILLWAY SHALL BE CONSTRUCTED TO PROVIDE PROTECTION FROM OVERFLOW OF THE POND AND TO BE PROTECTED FROM DAMAGE BY VEHICLES OR OTHER UNDESIRABLE ACTS.

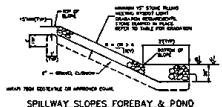
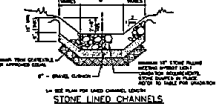
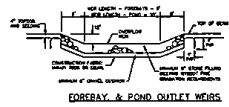


SPECIFICATIONS FOR BIORETENTION SYSTEMS
 (List of technical specifications for the bioretention system.)

STONE Lining FOR STORMWATER CONVEYANCE SECTIONS				
SECTION	STONE SIZE	STONE TYPE	STONE WEIGHT	STONE WEIGHT PER SQ. YD.
1"	1/2"	CLASS II	1.5 LB	10.8
2"	3/4"	CLASS II	2.5 LB	18.0
3"	1"	CLASS II	3.5 LB	25.2
4"	1 1/2"	CLASS II	6.5 LB	47.5
6"	2"	CLASS II	13.5 LB	97.2
8"	2 1/2"	CLASS II	21.5 LB	156.6
10"	3"	CLASS II	30.5 LB	223.8
12"	3 1/2"	CLASS II	40.5 LB	297.0
15"	4"	CLASS II	55.5 LB	403.8
18"	4 1/2"	CLASS II	65.5 LB	478.5
24"	5"	CLASS II	85.5 LB	623.8
30"	6"	CLASS II	135.5 LB	982.5

CONSTRUCTION NOTES:
 1. STONE SHALL BE PLACED IN THE MIDDLE OF THE CHANNEL AND SPACING BETWEEN STONES SHALL BE EQUAL TO THE WIDTH OF THE CHANNEL.
 2. STONE SHALL BE PLACED IN THE MIDDLE OF THE CHANNEL AND SPACING BETWEEN STONES SHALL BE EQUAL TO THE WIDTH OF THE CHANNEL.
 3. STONE SHALL BE PLACED IN THE MIDDLE OF THE CHANNEL AND SPACING BETWEEN STONES SHALL BE EQUAL TO THE WIDTH OF THE CHANNEL.

DRAIN VOLUME AND AS-BUILT CERTIFICATION:
 Upon completion of construction, a drain volume certification and as-built must be certified by a licensed professional engineer or land surveyor to ensure that each structure meets the conditions and requirements with the details of the sheet. Certifications shall be submitted to the local reviewing jurisdiction for approval.



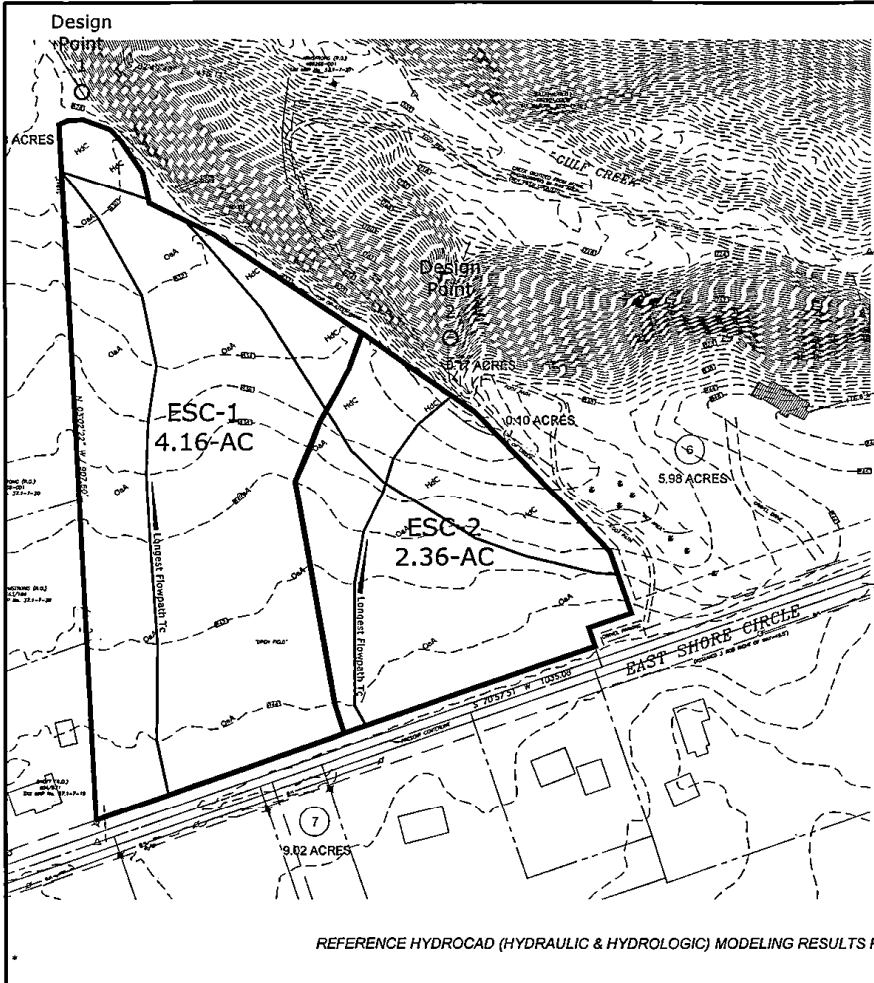
REVISIONS

NO.	DATE	DESCRIPTION

STORMWATER PRACTICE DETAILS

TIMOTHY C. BUHL, P.E.
 35 FIRE LANE 24, AUBURN, NY 13021

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

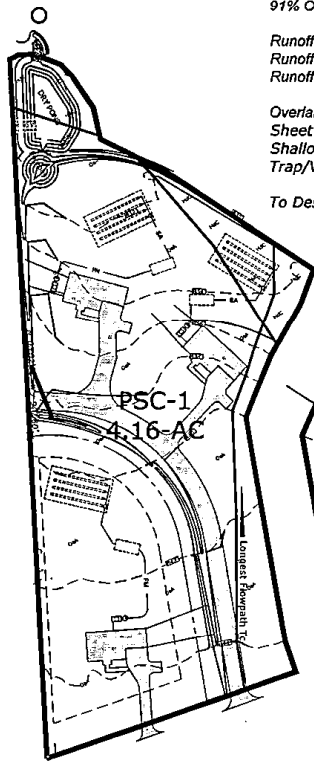
REVISIONS	DATE	BY	CHKD

HYDRAULIC AND HYDROLOGIC MODELING RESULTS PRESENTED WITH THESE PLANS

DATE: JAN 31, 2023
 SCALE: 1" = 50'
 DRAWN: SDG
 JOB: C-109

TIMOTHY C. BUHL, P.E.
 35 FIRE LANE 24, AUBURN, NY 13021

Design Point 1



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

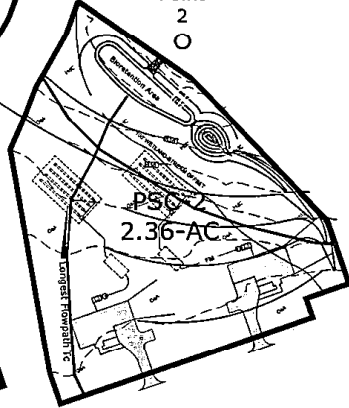
Surface Conditions & Soils:
 9% Howard, HdC; Hydrologic Soil Group (HSG) A
 91% Ovid, OaA -Hydrologic Soil Group (HSG) C

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



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

HYDRAULIC AND HYDROLOGIC MODELING REPORT PROPOSED CONDITIONS EAST SHORE CIRCLE 101 EAST SHORE CIRCLE LANSING, MI 48226	TIMOTHY C. BUHL, P.E. 35 FIFE LANE 24, AUBURN, NY 13021	DATE: MAR 25, 2023 SCALE: 1" = 50' DRAWN: SDG DESIGNED: CHECKED: C-110
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