

PRELIMINARY OVERALL PLANS
for
PIERCE BROOK SUBDIVISION

STATE ROUTE 21 SOUTH, T.A. NO. 97.02-1-52.1
PARRISH STREET EXTENSION, T.A.NO. 97.00-2-2

SITUATE IN:

TOWN OF CANANDAIGUA - ONTARIO COUNTY - STATE OF NEW YORK

(1.0) GENERAL

(1.1) APPLICANT:

MORRELL BUILDERS, INC.
1501 PITTSFORD VICTOR ROAD SUITE 100
VICTOR NY 14564

(1.2) TAX ACCOUNT NUMBERS:

MILLER PARCEL 97.02-1-52.100
WILKIN PARCEL 97.00-2-2.000

(1.3) PARCEL AREA:

MILLER PARCEL 54.4 +/- ACRES
WILKIN PARCEL 40.4 +/- ACRES
TOTAL 94.8 +/- ACRES

(2.0) ZONING REGULATIONS:

THE FOLLOWING SYNOPSIS IS COMPILED FROM THE TOWN CODE AND IS BASED ON THE APPLICABLE ZONING REGULATIONS FOR THIS APPLICATION:

(2.1) PARCEL DESIGNATION:

SOUTHERN CORRIDOR RESIDENTIAL SCR-1.....93.6 +/- ACRES
RESIDENTIAL R1-201.2 +/- ACRES
TOTAL 94.8 +/- ACRES

(2.2) PERMITTED DENSITY:

SCR-1 1 UNIT / ACRE
R1-20 1 UNIT / 20,000 SQUARE FEET

(2.3) DIMENSIONAL REQUIREMENTS FOR SCR-1 ZONING:

- a. MINIMUM LOT WIDTH (FT)125
- b. MINIMUM SETBACKS (FT):
• FRONT60
• REAR.....40
• SIDE25
- c. MAXIMUM BUILDING HEIGHT (FT)35
- d. MAXIMUM BUILDING COVERAGE ON LOT20%

(3.0) CONSERVATION SUBDIVISION

WE ARE REQUESTING THIS DEVELOPMENT BE CONSIDERED AS A CONSERVATION SUBDIVISION WITH INCREASED DENSITY AS ALLOWED UNDER CHAPTER 174 OF THE CODE. THE FOLLOWING IS A SUMMARY SUPPORTING THIS REQUEST.

(3.1) BASE DENSITY

CALCULATED AS (TOTAL ACREAGE - CONSTRAINED LANDS) / ALLOWABLE DENSITY

SCR-1:
93.5 - 13.5 = 80.0 ACRES / 1 UNIT PER ACRE = 80.0 UNITS
R1-20:
55,492 - 5,958 = 49,534 SF / 1 UNIT PER 20,000 SF = 2.4 UNITS

TOTAL BASE DENSITY = 82.4 = 82 UNITS

(3.2) ADDITIONAL DENSITY:

PARAGRAPH C(1)(B) OF CHAPTER 174-16 ALLOWS FOR A 15% INCREASE BY THE TOWN BOARD WHEN "SERVED BY PUBLIC WATER AND SEWER, IF PERMANENT PUBLIC ACCESS WILL BE GRANTED TO THE PROTECTED OPEN SPACE LAND AND ANY ASSOCIATED IMPROVEMENTS".

15% OF 82 UNITS IS 12 ADDITIONAL UNITS RESULTING IN A
TOTAL ALLOWABLE DENSITY OF 94 UNITS

* ON APRIL 19, 2021, THE TOWN BOARD AUTHORIZED THE PLANNING BOARD TO APPROVE UP TO A 15% DENSITY INCREASE

(4.0) PLAN DATA:

SIGNIFICANT FEATURES OF THIS FOR SALE SINGLE-FAMILY TOWN HOME DEVELOPMENT

(4.1) BUILDING TYPES:

TWO-UNIT BUILDING (TYPE A) 25 = 50 UNITS
THREE-UNIT BUILDING (TYPE B) 14 = 42 UNITS
TOTAL = 92 UNITS

(4.2) SITE ALLOCATION

DEVELOPMENT AREA 23 +/- ACRES (24%)
OPEN SPACE 72 +/- ACRES (76%)
TOTAL 95 +/- ACRES (100%)

PROJECT INFORMATION

(4.3) DIMENSIONAL CONTROL

RIGHT-OF-WAY 60 FT
MINIMUM SETBACK FROM RIGHT-OF-WAY..... 25 FT
MINIMUM DISTANCE PRINCIPAL STRUCTURE TO EXTERNAL PROPERTY LINE..... 40 FT

(4.4) ROADWAY FRONTAGE:

ALONG BUILDINGS 3,750 +/- FT
(TOWN DETAIL H-2.2 "SUBDIVISION ROAD"; 22 FT WIDE WITH 30" GUTTERS)

(4.5) UTILITIES

PUBLIC WATER TO TOWN OF CANANDAIGUA, LOOPED
PUBLIC SANITARY TO ONTARIO COUNTY DEPARTMENT OF PUBLIC WORKS
PUBLIC STORM SYSTEMS TO TOWN OF CANANDAIGUA
STORMWATER FACILITIES - MAINTAINED BY HOMEOWNER'S ASSOCIATION (HOA)
ELECTRIC SERVICE TO ROCHESTER GAS AND ELECTRIC (RG&E)
GAS SERVICE TO NYSEG / GENEVA GAS

(4.6) MISCELLANEOUS

- SIDEWALKS (ONE SIDE)
- TRAILS - NATURAL SURFACE (I.E. GRASS) LOCATION DEFINED WITH TOWN INPUT
- OPEN SPACE (DEDICATED OR MAINTAINED BY HOA)
- PEDESTRIAN LINK TO TOWN PARK / TOWN TRAIL

(5.0) CONSERVATION SUBDIVISION SUPPORTING DATA:

(5.1) OPEN SPACE

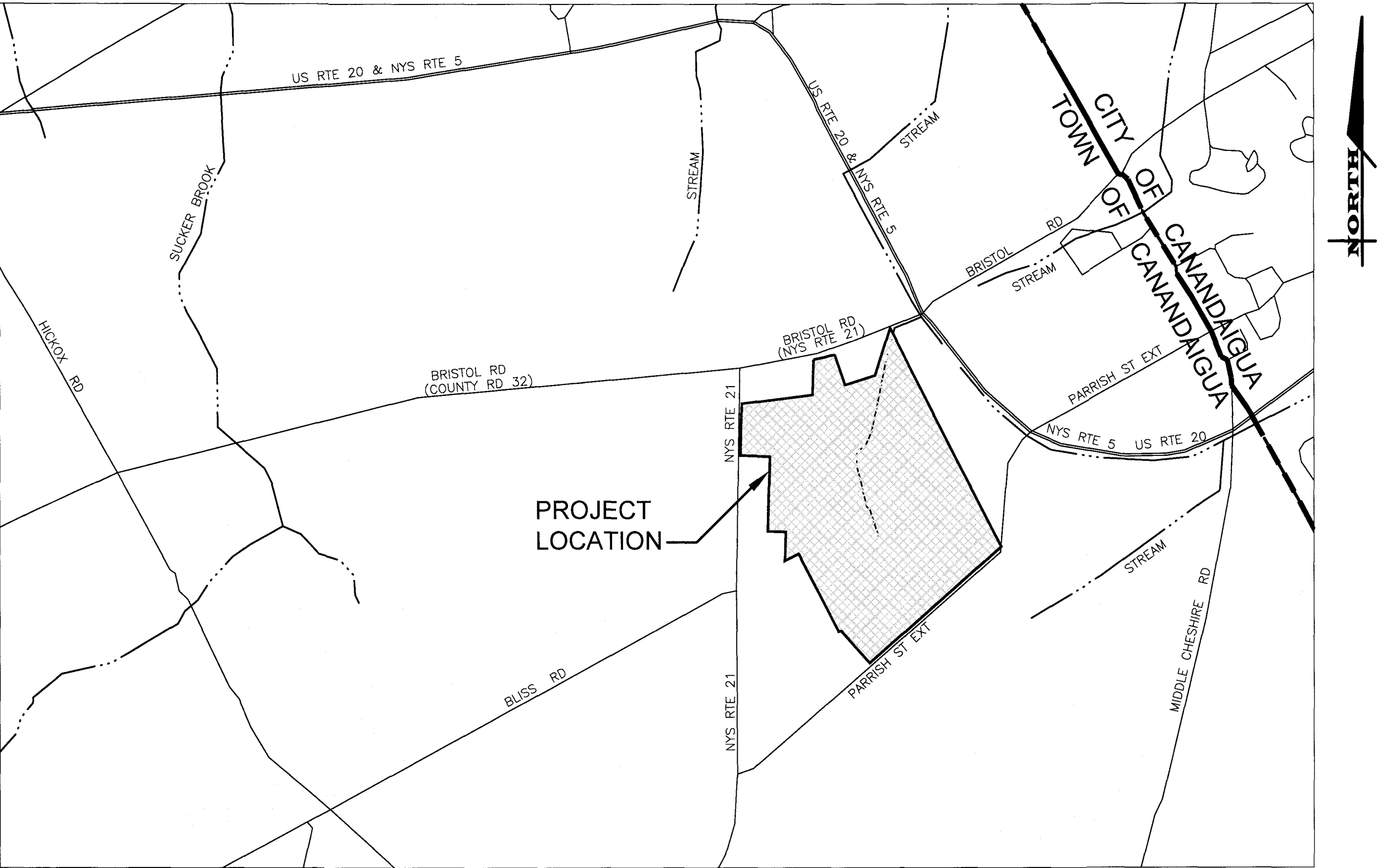
THIS PLAN OFFERS 80 +/- ACRES OF TOTAL OPEN SPACE (84%) WHEREAS THE MINIMUM REQUIRED OPEN SPACE UNDER CONSERVATION EASEMENT IS 48 +/- ACRES; AN INCREASE OF 32 +/- ACRES OR 66% ABOVE REQUIREMENT

(MINIMUM OPEN SPACE IS CONSTRAINED LANDS PLUS 40% OF DEVELOPABLE LAND)

(5.2) NATURAL RESOURCES

THE LONG-TERM PRESERVATION OF THESE PARCELS' NATURAL RESOURCES WITHIN THE OPEN SPACE IS ONE OF THIS APPLICATION'S MOST BENEFICIAL ASPECTS; A STANDARD SCR-1 PROPOSAL DOES NOT ACCOUNT OR ALLOW FOR THIS PROTECTION. THE TOWN'S UPDATED "NATURAL RESOURCES INVENTORY" (NRI, DATED NOV 2020) IDENTIFIES THESE RESOURCES; THE FOLLOWING SUMMARIZES HOW THIS CONSERVATION SUBDIVISION APPLICATION ADDRESSES THIS PRESERVATION.

- FARMLAND - PORTIONS OF THESE PARCELS HAVE THE POTENTIAL TO BE PLANTED BY THE LOCAL FARMING COMMUNITY.
- WOODLANDS - THE EXISTING 7.5 ACRES OF WOODLANDS WILL BE PROTECTED.
- LAND COVER - THIS "CLUSTER" DEVELOPMENT APPROACH PRESERVES A SUBSTANTIAL AMOUNT OF NATURAL LAND COVER. FOR EXAMPLE, SCR-1 ZONING ALLOWS FOR UP TO 20% IMPERVIOUS AREA, THIS PLAN HAS ONLY APPROXIMATELY 6 - 7% IMPERVIOUS AREA.
- ENDANGERED/THREATENED SPECIES - THERE ARE NO KNOWN ENDANGERED OR THREATENED SPECIES ON THESE PARCELS. A CONSERVATION SUBDIVISION WILL ALLOW FOR SIGNIFICANTLY GREATER AREA FOR THE INDIGENOUS WILDLIFE AND THE INTERCONNECTION IS BETTER THEREBY FACILITATING MOVEMENT WITHIN AREAS.
- WATER RESOURCES - THIS PLAN PRESERVES THE FEDERALLY PROTECTED WETLAND, STREAM CORRIDOR AND FARM POND. STORMWATER FACILITIES WILL BE DESIGNED TO MEET REGULATIONS WHETHER THIS AREA IS DEVELOPED UNDER THE SCR-1 OR A CONSERVATION ZONING.
- PUBLIC OR PROTECTED LAND - A TOWN PARK IS ADJACENT TO THIS DEVELOPMENT IMMEDIATELY TO THE WEST. THIS PROVIDES A UNIQUE OPPORTUNITY FOR CONNECTION OF THE OPEN SPACE AND THE TOWN PARK. THE APPLICANT LOOKS FORWARD TO WORKING WITH TOWN STAFF AND BOARDS TO IDENTIFY THE BEST WAY TO LEVERAGE THIS OPPORTUNITY.
- SCENIC VIEWS - NO VISIBILITY OF THE DEVELOPMENT EXISTS FROM EASTERLY LOCATIONS TO THE SITE. THE ENTIRE DEVELOPMENT IS LESS THAN ELEVATION 1000. THE AREA HIGH POINT IS LOCATED FURTHER WEST APPROACHING THE PARRISH STREET EXTENSION AND RT. 21 INTERSECTION. THE EASTERN PROPERTY LINE OF THE DEVELOPMENT IS BUFFERED/HIDDEN BY THE STEEP GRADE AND MATURE TREE LINE WHICH WILL BE PRESERVED AND ENHANCED WITH THIS APPLICATION.
- STEEP SLOPES - THIS SITE CONTAINS AN AREA OF 1.2 ACRES WHERE THE GRADE MEETS OR EXCEEDS 15%; THIS AREA WILL BE FULLY WITHIN THE OPEN SPACE AND THEREFORE PROTECTED.



LOCATION MAP

NOT TO SCALE

MARATHON ENGINEERING
ROCHESTER LOCATION
39 CASCADE DRIVE
ROCHESTER, NY 14614
585-458-7770
ITHACA LOCATION
840 HANSHAW RD, STE 12
ITHACA, NY 14850
607-241-2917
www.marathoneng.com

MILLER-WILKINS SUBDIVISION
LIST OF DRAWINGS

SHEET NUMBER	DRAWING NUMBER	DRAWING TITLE
-	COVER	COVER
1	C0.1	NOTE, ABBREVIATIONS, AND SPECIFICATIONS
2	C1.0	OVERALL PLAN
3	C2.0	SUBDIVISION PLAN (SHEET 1 OF 3)
4	C2.1	SUBDIVISION PLAN (SHEET 2 OF 3)
5	C2.2	SUBDIVISION PLAN (SHEET 3 OF 3)
6	C3.0	UTILITY PLAN (SHEET 1 OF 3)
7	C3.1	UTILITY PLAN (SHEET 2 OF 3)
8	C3.2	UTILITY PLAN (SHEET 3 OF 3)
9	C4.0	GRADING PLAN (SHEET 1 OF 3)
10	C4.1	GRADING PLAN (SHEET 2 OF 3)
11	C4.2	GRADING PLAN (SHEET 3 OF 3)
12	C5.0	EROSION AND SEDIMENT CONTROL PLAN
13	C5.1	EROSION AND SEDIMENT CONTROL DETAILS
14	C6.0	CENTERLINE PROFILE (SHEET 1 OF 3)
15	C6.1	CENTERLINE PROFILE (SHEET 2 OF 3)
16	C6.2	CENTERLINE PROFILE (SHEET 3 OF 3)
17	C7.0	LANDSCAPING PLAN
18	C8.0	EXISTING CONDITIONS AND NATURAL FEATURES PLAN
19	C9.0	CONSTRUCTION DETAILS
20	C9.1	CONSTRUCTION DETAILS
21	C9.2	CONSTRUCTION DETAILS

File: z:\engineering\inch files\1022-19\Drawings\preliminary design\ Sheets | CO 1.dwg Last saved: 8/24/2021 Plot Date: 8/26/2021 By: RTIDEF Plot Style: MF KIP STANDARD CTR

1. MAPPING - THE EXISTING UNDERGROUND UTILITIES WERE PLOTTED BASED ON RECORD MAPPING SUPPLIED BY OTHERS. THE ENGINEER MAKES NO WARRANTY AS TO THE LOCATION, SIZE, TYPE, ELEVATION, AND/OR NUMBER OF EXISTING UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES IN THE VICINITY OF THE NEW INFRASTRUCTURE.

- ## CONSTRUCTION NOTES

- ## UTILITY NOTES

1.1 REGULATIONS - STORM SEWERS AND APPURTENANCES SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE LATEST REGULATIONS OF THE MUNICIPALITY.

- ## 2. PUBLIC WATER EXTENSION NOTES

- 2.1 SPECIFICATIONS** - WATER MAINS AND APPURTENANCES TO BE CONSTRUCTED IN ACCORDANCE WITH THE REGULATIONS AND SPECIFICATIONS OF THE TOWN OF CANANDAIGUA WATER DEPARTMENT AND NYSDOH.

- WATER MAIN(S) SHALL BE 8" DR-14 PVC PLASTIC

- WATER SERVICE(S):
 - A. CORPORATIONS STOP SHALL BE MUELLER H-1500B COMPRESSION TYPE
 - B. CORPORATIONS STOP SHALL BE MUELLER H-1520B MARK II COMPRESSION TYPE
 - C. CURB BOXES SHALL BE MUELLER H-10334, 5 FEET JONG WITH STAINLESS STEEL RODS AND STAINLESS STEEL KEYS
 - D. CURB BOXES SHALL NOT BE LOCATED WITH DRIVEWAYS
 - E. COPPER SERVICES SHALL BE 1/2" K15 ASTM B360
 - F. PLASTIC SERVICES SHALL BE COPPER TUBE TYPE (CTS) AT 200 PSI, WITH A MINIMUM 1 INCH PIPE DIAMETER (ONLY USED FROM CURB BOX TO UNIT AND A CONTINUOUS 1/1 GAUGE COPPER TRACER WIRE SHALL BE INCLUDED FROM CURB BOX TO UNIT)
 - G. POLYETHYLENE ADJUSTABLE (PEAD) OR POLYETHYLENE ADJUSTABLE (PEAD) PROVIDED AS APPROPRIATE
 - H. POLYETHYLENE ADJUSTABLE (PEAD) OR POLYETHYLENE ADJUSTABLE (PEAD) PROVIDED AS APPROPRIATE
 - I. ALL SERVICES TAPPED INTO MAINS SHALL UTILIZE DOUBLE STRAP SS SADDLE (MUELLER) WITH A MUELLER CORPORATION
 - J. ANY SERVICES LARGER THAN 1" SHALL MEET THE MINIMUM SPECIFICATIONS OF THE WATER SUPERINTENDENT
 - K. REFER TO TYPICAL WATER SERVICE DETAIL ON SHEET C9.2

- WATER METER(S) SHALL BE LOCATED ON THE INTERIOR OF EXTERIOR WALLS IMMEDIATELY UPON SERVICE ENTRANCE INTO THE BUILDING(S). ON METERED SERVICES REQUIRING A 1 1/2-INCH OR LARGER METER A BYPASS AROUND THE METER IS REQUIRED.
- ALL GATE VALVES SHALL HAVE STAINLESS STEEL BODY AND BONNET BOLTS.
- ALL WATERMAIN MATERIALS AND GATE VALVES ARE TO BE MUELLER AND ALL CAST IRON FITTINGS ARE TO BE TYLER.
- HYDRANTS ARE TO BE PAINTED RED WITH BONNETS PAINTED AS PER THE AWWA HYDRANT COLOR CODE AS SHOWN THE HYDRANT UNIT DETAIL ON SHEET C9-2. ALL VALVE BOX COVERS SHALL BE PAINTED BLUE.

2.3 TESTING

- **PRESSURE** - THE WATER MAIN SHALL BE PRESSURE/LEAKAGE TESTED IN ACCORDANCE WITH THE MINIMUM REQUIREMENTS OF THE AWWA STANDARD C605 (LATEST REVISION) OR IN ACCORDANCE WITH MORE STRINGENT REQUIREMENTS IMPOSED BY THE CANADIANAQUA WATER DEPARTMENT.
- **HEALTH SAMPLE**
THE WATER MAIN SHALL BE DISINFECTED EQUAL TO AWWA STANDARD SPECIFICATIONS, DESIGNATION C-651, BY USING THE CONTINUOUS FEED METHOD. AFTER FLUSHING AND DISINFECTING THE WATER MAIN, WATER SAMPLES SHALL BE COLLECTED FROM THE MAIN BY THE TOWN OF CANADIANAQUA WATER DEPARTMENT AND RESULTS PROVIDED.
TWO CONSECUTIVE DAYS OF ACCEPTABLE BACTERIOLOGICAL SAMPLE RESULTS ARE REQUIRED. FIRE HYDRANTS ARE NOT ACCEPTABLE FOR SAMPLE COLLECTION. NOTICE AND NOTIFICATION BY THE HEALTH DEPARTMENT MUST BE RECEIVED BEFORE THE MAIN IS PLACED IN SERVICE.

2.4 INSTALLATION:

- WATER MAINS AND ALL WATER SERVICE LINES SHALL HAVE A MINIMUM OF FIVE FEET OF COVER FROM FINISHED GRADE IN LAWN AREAS AND A MINIMUM OF SIX FEET OF COVER FROM FINISHED GRADE IN PAVED AREAS.
- TRACER WIRE IS TO BE PLACED WITH THE WATERMAIN AND LOOPED AT THE FIRE HYDRANTS.
- MINIMUM VERTICAL SEPARATION BETWEEN WATER MAINS AND SEWER PIPELINES SHALL BE 18 INCHES MEASURED FROM THE OUTSIDE OF THE PIPES AT THE POINT OF CROSSING. ONE FULL STANDARD LAYING LENGTH OF WATER MAIN SHALL BE CENTERED UNDER OR OVER THE SEWER SO THAT BOTH JOINTS WILL BE AS FAR FROM THE SEWER AS POSSIBLE. IN ADDITION, WHEN THE WATER MAIN PASSES UNDER A SEWER, ADEQUATE STRUCTURAL SUPPORT (COMPACTED SELECTED FILL) SHALL BE PROVIDED FOR THE SEWER TO PREVENT EXCESSIVE DEFLECTIONS OF JOINTS AND SETTLING OF THE SEWER ON THE WATER MAIN. MINIMUM HORIZONTAL SEPARATION BETWEEN PARALLEL WATER MAINS AND SEWER PIPES (INCLUDING UNDER MINIMOLES AND VAULTS) SHALL BE 10 FEET MEASURED FROM THE OUTSIDE OF THE PIPES, MANHOLES, OR VAULTS.
- FIRE HYDRANT WEEP HOLES (DRAINS) SHALL BE PLUGGED WHEN GROUND WATER IS ENCOUNTERED WITHIN SEVEN FEET OF THE FINISHED GRADE.
- ALL MECHANICAL JOINT FITTINGS (TEES, BENDS, PLUGS, ETC.) SHALL BE BACKED WITH 3000 PSI CONCRETE THRUST BLOCKS AS SHOWN IN THE WATERMAIN THRUST BLOCK SCHEDULE ON SHEET C9.2.
- THERE ARE NO KNOWN SOIL CHARACTERISTICS REQUIRING SPECIAL INSTALLATION MEASURES (WRAPPING PIPE, ETC.) IF CONTRACTOR ENCOUNTERS SOILS DURING INSTALLATION THAT MAY REQUIRE SPECIAL INSTALLATION MEASURES NOT INCLUDED IN THIS DOCUMENT, THE CONTRACTOR SHALL CONTACT THE ENGINEER FOR OBSERVATION AND INSTALLATION DIRECTION.
- THE TOWN OF CANADAWAUGA WATER SUPERINTENDANT IS TO BE CONTACTED TO INSPECT WATERMAIN MATERIALS PRIOR TO INSTALLATION.

2.5 FLUSHING - WATER

- THAT GENERALLY PREVAILING IN THE SYSTEM. FLUSHING OF THE WATER MAIN MUST BE WITNESSED BY THE TOWN OF CANANDAIGUA WATER DEPARTMENT EMPLOYEES. THE TOWN OF CANANDAIGUA WILL PROVIDE A DE-CHLORINATION DEVICE FOR THE SUPER-CHLORINATED WATER.
- 2.6. DISINFECTION .**
- THE WATER MAIN SHALL BE DISINFECTED EQUAL TO AWWA STANDARD FOR DISINFECTING WATER MAINS DESIGNATION 9001 (TEST REVISION). FOLLOWING DISINFECTION, THE WATER MAIN SHALL BE FLUSHED UNTIL THE CHLORINE CONCENTRATION IN THE WATER LEAVING THE MAIN IS NO HIGHER THAN THAT GENERALLY PREVAILING IN THE SYSTEM.
 - ALL WATER MAIN FITTINGS NOT RECEIVING 24-HOUR CHLORINE DISINFECTION CONTACT TIME MUST BE SWAB DISINFECTED 30 MINUTES PRIOR TO INSTALLATION.
 - FIRE HYDRANTS ARE NOT ACCEPTABLE SAMPLING POINTS
- SAMPLING .** THE SAMPLING POINT(S) MUST BE DECONTAMINATED BY FLAMING.
- SAMPLING SHALL NOT BE PERFORMED PRIOR TO RECEIPT FROM A NEW YORK STATE LICENSED OR REGISTERED DESIGN PROFESSIONAL (ENGINEER, ARCHITECT OR LAND SURVEYOR) WITH A SPECIAL EXEMPTION UNDER SECTION 2609(1) OF THE EDUCATION LAW CERTIFYING THAT THE WATER SUPPLY IMPROVEMENTS, TESTING AND DISINFECTION PROCEDURES WERE COMPLETED IN ACCORDANCE WITH THE APPROVED PLANS, REPORTS, SPECIFICATIONS AND ANY APPROVED AMENDMENTS. SAMPLES SHALL BE COLLECTED FOR FREE CHLORINE RESIDUAL, TOTAL COLIFORM, ESCHERICHIA COLI (E. COLI) AND TURBIDITY.
 - THE WATER MAIN SHALL NOT BE PLACED INTO SERVICE UNTIL SO AUTHORIZED BY THE NEW YORK STATE DEPT. OF HEALTH
 - TOWN OF CANANDAIGUA WATER DEPARTMENT WILL COLLECT SAMPLES

1. PREPARATION - PRIOR TO START OF EARTHWORK OPERATIONS THE CONTRACTOR SHALL COMPLETE THE FOLLOWING APPLICABLE ITEMS AS DEFINED BY CONTRACT DOCUMENTS:

- **SITE DEMOLITION** - REMOVAL AND DISPOSAL OFF-SITE IN A LEGAL MANNER: STRUCTURES, UTILITIES, PAVEMENTS, ETC.
 - **CLEARING AND GRUBBING** - REMOVAL AND DISPOSAL OFF-SITE IN A LEGAL MANNER: TREES, BRUSH, STUMPS, ETC.
 - **TOPSOIL STRIPPING** - STRIP AND STOCKPILE TOPSOIL FOR REUSE. EXCESS TOPSOIL MAY BE REMOVED FROM SITE WITH APPROVAL BY OWNER AND MUNICIPALITY.
- 2. RESPONSIBILITY** - THE CONTRACTOR IS RESPONSIBLE FOR:
- **ESTIMATE** - COMPLETION OF A QUANTITY TAKEOFF TO DETERMINE THE VOLUME OF CUT, FILL, AND TOPSOIL. COMPARE AND COORDINATE WITH INFORMATION PROVIDED BY THE DESIGN ENGINEER.
 - **GRADE TOLERANCES** - ESTABLISHING DESIGN SUBGRADE ELEVATIONS TO WITHIN ONE TENTH OF ONE FOOT ABOVE TO PAVEMENT AREAS (INCLUDING VALLEYS) AND TO WITHIN THIRTY-THREE HUNDREDTHS OF ONE FOOT (0.33") FOR ALL REMAINING AREAS.
 - **COMPACTION** - ACHIEVING THE SPECIFIED MINIMUM COMPACTION VALUES FOR EMBANKMENT/FILL AREAS. THE TERMS "FILL" AND "EMBANKMENT" ARE INTERCHANGEABLE.
 - **CUTS** - ONCE EXCAVATIONS ARE SHAPED TO THE DESIGN GRADES THE AREAS SHALL BE PROTECTED TO ASSURE THAT THE INTEGRITY OF MATERIAL IS NOT COMPROMISED BY CONSTRUCTION VEHICLES AND/OR IMPROPER DRAINAGE. AREAS DETERMINED BY CONTRACTOR TO BE NOT SUITABLE FOR SUBGRADE PLACEMENT SHALL BE IMMEDIATELY REPORTED WHEN THE SUBGRADE IS ESTABLISHED TO OWNER'S REPRESENTATIVE. STABILIZATION MEASURES FOR CUT AREAS MAY BE CONSIDERED BY OWNER'S REPRESENTATIVE AS A CHANGE TO THE BASE CONTRACT.

- 3. TESTING** - THE FOLLOWING MAXIMUM DRY DENSITIES SHALL BE ACHIEVED AS MEASURED BY THE MODIFIED PROCTOR METHOD ASTM D-1557:
- **95% UNDER PAVEMENTS, WALKS, AND IN STRUCTURAL FILL AREAS**
 - **85% IN REMAINING AREAS**
- THE AGREEMENT BETWEEN THE OWNER AND CONTRACTOR SHALL DEFINE THE NUMBER OF TESTS AND RESPONSIBILITY. WE RECOMMEND IN EMBANKMENT AREAS ONE PER LIFT AND/OR ONE PER 1,000 CUBIC YARDS.

THE TOWN OF CANANDAIGUA HAS THE FOLLOWING ADDITIONAL REQUIREMENTS:

COMPACTION
COMPACTION DENSITIES SPECIFIED HEREIN SHALL BE THE PERCENTAGE OF THE MAXIMUM DENSITY OBTAINABLE AT OPTIMUM MOISTURE CONTENT AS DETERMINED AND CONTROLLED, IN ACCORDANCE WITH ASTM D1557. FIELD DENSITY TESTS SHALL BE MADE IN ACCORDANCE WITH ASTM D6938. EACH LAYER OF BACKFILL SHALL BE MOISTENED OR DRIED TO THE SPECIFIED MOISTURE CONTENT AND SHALL BE COMPACTED TO THE FOLLOWING DENSITIES, UNLESS OTHERWISE SPECIFIED.

- SELECT FILL**
UNDER ALL EXISTING OR PROPOSED ROADS, DRIVEWAYS, PARKING AREAS: 95% MAXIMUM MODIFIED PROCTOR DRY DENSITY (ASTM D1557).
- ALL OTHER AREAS: 92% MAXIMUM MODIFIED PROCTOR DRY DENSITY (ASTM D1557).**
- **METHODS AND EQUIPMENT**
METHODS AND EQUIPMENT PROPOSED FOR COMPACTION SHALL BE SUBJECT TO THE APPROVAL OF THE TOWN. COMPACTION BY ROLLING OR OPERATING HEAVY EQUIPMENT OVER FILL AREAS SHALL BE CONDUCTED IN A MANNER THAT WILL NOT CAUSE DAMAGE TO EXISTING OR PROPOSED STRUCTURES. THE USE OF ANY PIPE OR STRUCTURE DAMAGED THEREBY SHALL BE REPLACED OR REPAIRED AS DIRECTED BY THE TOWN AT THE EXPENSE OF THE DEVELOPER.
 - **TESTING**
 - 1. FIELD DENSITY TESTS WILL BE PAID FOR BY THE DEVELOPER
 - 2. THE DEVELOPER SHALL FURNISH ALL NECESSARY SAMPLES FOR LABORATORY TESTS AND SHALL PROVIDE ASSISTANCE AND COOPERATION DURING FIELD TESTS. THE DEVELOPER SHALL PLAN HIS OPERATIONS TO ALLOW ADEQUATE TIME FOR LABORATORY TESTS AND TO PERMIT TAKING OF FIELD DENSITY TESTS DURING COMPACTION.
 - 3. A QUALIFIED TESTING AGENCY SHOULD BE RETAINED DURING THE CONSTRUCTION PHASE OF THE PROJECT TO OBSERVE EARTHWORK AND TO PERFORM NECESSARY TESTS AND OBSERVATIONS DURING SUBGRADE AND BACKFILL PLACING, PLACING AND COMPACTION OF CONTROLLED COMPACTED FILLS, BACKFILLING OF EXCAVATIONS IN THE COMPLETED SUBGRADE.
 - 4. EACH LIFT OF COMPACTED FILL SHOULD BE TESTED, EVALUATED, AND REWORKED AS NECESSARY UNTIL APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT OF ADDITIONAL LIFTS. EACH LIFT OF FILL SHOULD BE 4 TO 6 INCHES THICK. THERE SHALL BE NO MORE THAN 10 LIFTS FOR EVERY 5.00 SQUARE FEET COMPACTED FILL IN OPEN AREAS AND EVERY 5.00 LINEAR FEET OF COMPACTED UTILITY TRENCH BACKFILL.
 - 5. AREAS FOUND TO BE BELOW REQUIRED COMPACTION DENSITIES SHALL BE REMOVED AND REPLACED WITH MATERIAL AT THE DEVELOPER'S EXPENSE. THE METHODS OF OPERATION AND/OR THE BACKFILL MATERIALS SHALL BE CHANGED TO MEET REQUIRED COMPACTIONS.
 - 6. INADEQUATE COMPACTION SHALL BE CAUSE FOR THE TOWN TO ISSUE A STOP WORK ORDER ON A PROJECT.

4. LIFT THICKNESS - THE MAXIMUM LIFT THICKNESS UNDER PAVEMENTS, WALKS, AND STRUCTURAL FILLS SHALL BE 12 INCHES. HAND OPERATED COMPACTION FILLS SHALL NOT EXCEED 6 INCHES.

5. **PROOF ROLLING** - THE TOWN OF CANANDAIGUA HIGHWAY DEPARTMENT SHALL BE NOTIFIED PRIOR TO A PROOF ROLL (END WHEELER) OF SUBGRADE AREAS BEING PERFORMED PRIOR TO PLACEMENT OF SUBBASE MATERIALS. AIR THAT "FAIL" SHALL BE REMOVED AND REPLACED TO ACHIEVE A PASSING SUBGRADE.
6. **EXISTING SOIL CONDITIONS** - NO EXISTING SOIL INFORMATION HAS BEEN PROVIDED BY THE OWNER/ DEVELOPER. IT IS ASSUMED THAT SOILS ARE SUITABLE FOR CUTS AND FILLS. FOR PURPOSES OF DESIGN 12" OF TOPSOIL WAS ASSUMED PRESENT ON AVERAGE THROUGHOUT THE SITE.
7. **DEWATERING** - THE CONTRACTOR IS RESPONSIBLE FOR ALL DEWATERING PRACTICES INCLUDING GRADING OF MATS TO ACCOMPLISH COMPACTION IN FILL AREAS AND DEMONSTRATING SUITABILITY OF SUBGRADE.
- CONTRACTOR IS RESPONSIBLE FOR DEWATERING THE EXISTING POND PRIOR TO EXCAVATION/EXTENDING TO PROPOSED POND AREAS SHOWN ON THE PLANS. DEWATERING OUTFLOW SHALL BE PUMPED TO A STONE FILTER EXITING TO THE EXISTING OUTFALL SWALE.

1. CERTIFICATION - THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP), WHICH INCLUDES THE "GRADING PLAN", "EROSION CONTROL PLAN", "EROSION CONTROL NOTES", ALONG WITH THE "DRAINAGE REPORT", DEFINES AND MEETS THE REQUIREMENTS OF THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) LATEST STORM WATER REGULATIONS.

- 2. CONTRACTOR RESPONSIBILITY** - ALL CONTRACTORS AND SUB-CONTRACTORS SHALL CERTIFY WITHIN THE SWPPP THAT THEY WILL IMPLEMENT AND MAINTAIN STORM WATER MANAGEMENT PRACTICES.
- 3. INSPECTION** - EROSION CONTROL (EC) MEASURES INSTALLED AND MAINTAINED BY THE SITE WORK CONTRACTOR ARE SUBJECT TO THE REVIEW AND APPROVAL OF THE MUNICIPALITY, DESIGN ENGINEER, NYSDCE, AND OWNER'S REPRESENTATIVE. IMMEDIATE ACTION BY THE CONTRACTOR SHALL BE TAKEN IF ADDITIONAL OR CORRECTIVE MEASURES ARE REQUIRED FOR ANY OF THESE CITED REVIEWERS. EROSION CONTROL MEASURES NOT SPECIFICALLY SHOWN ON CONTRACT DRAWINGS (I.E., STRAW BALES, COLLARS, FABRICS, ETC.) SHALL BE INSTALLED AS WARRANTED BY FIELD CONDITIONS, AND AS DIRECTED BY THE AFOREMENTIONED REVIEWERS.
- 4. NOTIFICATION** - AS DESIGN ENGINEER, OUR OFFICE HAS NOTIFIED THE OWNER OF THE INSPECTION REQUIREMENTS UNDER PER-201. DISTURBANCES OF 1 ACRE OR GREATER REQUIRE THAT THE OWNER FILE A NOTICE OF INTENT WITH THE STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION POLYNUCLEOTIDE ELIMINATION SYSTEM (SPDES) GENERAL PERMIT #SP-201-01. SWPPP INSPECTIONS ARE TO BE COMPLETED BY A LICENSED PROFESSIONAL AND INSPECTION REPORTS ARE TO BE PROVIDED TO THE TOWN DEVELOPMENT OFFICE WITHIN THE SITE IS PERMANENTLY STABILIZED AND APPROVED BY THE TOWN CODE ENFORCEMENT OFFICER.
- 5. PRE-CONSTRUCTION** - THE APPROPRIATE EROSION CONTROL MEASURES AS DEFINED BY THE CONSTRUCTION DOCUMENTS SHALL BE INSTALLED PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITIES.
- 6. TOPSOIL** - UPON COMPLETION OF THE STOCKPILE STRIPPING OPERATION, STOCKPILES SHALL BE STABILIZED IN ACCORDANCE TO NYSDCE REGULATIONS.
- 7. DUST** - THE CONTRACTOR SHALL APPLY WATER AND/OR CALCIUM CHLORIDE, AS CONDITIONS WARRANT, TO CONTROL WIND BORN EROSION. THIS MEASURE APPLIES TO: HAUL ROADS, CUT AND FILL OPERATIONS, SUB-BASE AND ANY OTHER EXPOSED SURFACES.
- 9. OPERATION & MAINTENANCE** - THROUGHOUT THE PERIOD OF CONSTRUCTION AND PRIOR TO ESTABLISHING FINAL GROUND COVER THE SITE CONTRACTOR IS RESPONSIBLE FOR THE OPERATION AND MAINTENANCE OF THE TEMPORARY EROSION CONTROL MEASURES. FOR EXAMPLE, IF THE SUBSTRATE QUALITY SHALL BE RE-EVALUATED WHEN THE VOLUME (3600 CUBIC FEET/DISTURBED ACRE) IS REDUCED BY ONE-HALF OR MORE OF ITS SPECIFIED CAPACITY AND/OR THE MATERIAL IS WITHIN ONE FOOT OF THE DISCHARGE POINT.
- 10. WORK STOPPAGE** - IN AREAS WHERE DISTURBANCE ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, STABILIZATION MEASURES SHOULD BE INITIATED BY THE END OF THE NEXT BUSINESS DAY AND COMPLETED WITHIN 14 DAYS WITHIN 15 DAYS FOR OR MORE THAN ONE ACRE OF DISTURBANCE OR DISCHARGES TO A 3000 WATERBODY, OR WITHIN 3 DAYS IF BETWEEN NOVEMBER 15TH AND APRIL 15TH.

11. TOWN OF CANANDAIGUA REQUIREMENTS

- DEVELOPMENT WITHIN THE CANANDAIGUA LAKE WATERSHED THAT REQUIRES POST CONSTRUCTION WATER QUALITY MEASURES SUCH AS STORMWATER MANAGEMENT FACILITIES, THE DEVELOPER IS REQUIRED TO PROVIDE DAILY OBSERVATION OF THE SITE BY A LICENSED PROFESSIONAL OR A CERTIFIED PERSONS IN EROSION AND SEDIMENT CONTROL (CPESC) UNTIL SUCH TIME THAT THE MASS GRADING OF THAT SECTION OR PHASE IS COMPLETED AND ALL STORMWATER MANAGEMENT COMPONENTS OF THE SWPPP ARE INSTALLED AND FUNCTIONING.
- DEVELOPMENT WITHIN THE CANANDAIGUA LAKE WATERSHED THAT WILL DISTURB MORE THAN 5-ACRES AT ONE TIME, SHALL BE REQUIRED TO COORDINATE THE REGULAR STORMWATER OBSERVATIONS (REQUIRED BY SPDES GENERAL PERMIT) WITH THE WATERSHED INSPECTOR AND THE WATERSHED PROGRAM MANAGER

12. TEMPORARY SEED - TEMPORARY SEEDING OF DISTURBED AREAS SHALL BE PROVIDED AS FOLLOWS

THE SURFACE TWO INCHES OF SOIL SHOULD BE LOOSENEED BY DISKING, RAKING, OR BACK-BLADING WITH A BULLDOZER. IMMEDIATELY FERTILIZE WITH 300 LBS. PER ACRE (OR 7 LBS. PER 1,000 SQ. FT.) OF 10-0-10 FERTILIZER (CONTAINING NO PHOSPHORUS), IMMEDIATELY SEED WITH THE FOLLOWING MIX:

	<u>LBS./ACRE</u>	<u>LBS./1,000 SQ. FT.</u>
ANNUAL RYEGRASS	40	1
PERENNIAL RYEGRASS	40	1
OATS	40	1
WHITE CLOVER (+ INNOCULANT)	4	0.1

SEED SHOULD HAVE A GERMINATION RATE OF AT LEAST 85 PERCENT, AND MINIMAL INERT MATERIAL.

- 13. PERMANENT SEED** -UPON COMPLETION OF WORK WITHIN THE R.O.W., DISTURBED AREAS WITHIN THE R.O.W. SHALL BE STABILIZED USING THE FOLLOWING PERMANENT LAWN SEEDING MIX. UPON COMPLETION OF GRADING AND CONSTRUCTION OF EACH TOWNHOME BUILDING, ALL AREAS DISTURBED IN CONJUNCTION WITH THE TOWNHOME CONSTRUCTION SHALL BE STABILIZED WITH THE FOLLOWING LAWN SEEDING MIX
- | | <u>LBS./ACRE</u> | <u>% BY PURITY</u> | <u>% GERM</u> |
|--------------------------------|------------------|--------------------|---------------|
| 'PENNFINE' PERENNIAL RYE GRASS | 35 | 85 | 85 |
| 'PENNLAWN' RED FESCUE | 35 | 97 | 90 |
| KENTUCKY BLUEGRASS | 30 | 85 | 80 |
- SEEDING RATE: 6 LBS. PER 1,000 SQ. FT.
MULCH: STRAW OR WOOD FIBER MULCH USED WITH A HYDROSEEDING METHOD,
AT TWO TONS PER ACRE WITH TACKIFIER
STARTING FERTILIZER (CONTAINING NO PHOSPHORUS): 5:0:10 AT 20 LBS. PER 1,000 SQ. FT.
- 14. SLOPES** -UPON COMPLETION OF GRADING, SLOPES WITH A GRADIENT OF ONE FOOT VERTICAL TO THREE FEET HORIZONTAL (1 ON 3) OR GREATER SHALL BE: TOPSOILED, SEEDED, FERTILIZED, MULCHED AND STABILIZE WITH AN EROSION CONTROL BLANKET. SLOPES SHALL BE IMMEDIATELY ADDRESSED AND STABILIZED AS REQUIRED BY JUNE MESSE OR REAPPLICATION OF MULCH. ALL OTHER SLOPES SHALL TOPSOILED, SEEDED, FERTILIZED AND MULCHED. SLOPES SHALL BE FINE GRADED WITH A MINIMUM OF 6 INCHES OF TOPSOIL, AND SEEDED WITH THE FOLLOWING SEED MIX:

- | | <u>LBS/ACRE</u> | <u>% BY PURITY</u> | <u>% GERM</u> |
|----------------------|-----------------|--------------------|---------------|
| 'PENNGIFT' CROWNWEED | 40 | 98 | 65 |
| BROODFOOT TREFOIL | 16 | 98 | 90 |
| TALL FESCUE | 20 | 90 | 85 |
- SEEDING RATE: 75 LBS. PER ACRE
 LIME: RATE OF 1,000 LBS. PER ACRE AS NECESSARY TO REACH PH OF 6.0
 INCULCANT: RATE AS RECOMMENDED BY THE MANUFACTURER (FOR HYDROSEEDING, USE FOUR TIMES THE MANUFACTURER'S RECOMMENDED RATE)
 MULCH: STRAW OR WOOD CHIP MULCH USED WITH A HYDROSEEDING METHOD, AT TWO TONS PER ACRE WITH TANKER

- 15. MONITORING** - ALL SEEDING AREAS ARE TO BE MONITORED FOR GERMINATION AND EROSION. ERODED AREAS ARE TO BE BACKFILLED, FINE GRADED, AND RE-SEEDED. AREAS THAT FAIL TO GERMINATE A MINIMUM OF 75% SHALL BE RE-SEED.
- 16. BUILDER RESPONSIBILITY** - THE HOME BUILDER SHALL BE RESPONSIBLE FOR IMPLEMENTING INDIVIDUAL LOT EROSION CONTROL MEASURES AS SHOWN ON THE PLAN DETAIL FOR INDIVIDUAL HOUSE CONSTRUCTION. THE MEASURES ARE TO REMAIN IN PLACE UNTIL HOUSE CONSTRUCTION IS COMPLETE AND THE LAWN IS ESTABLISHED.

- 17. 5-ACRE WAIVER** - IF THE TOTAL ACREAGE TO BE DISTURBED IS GREATER THAN 5 ACRES, THEN A 5-ACRE WAIVER FROM NYSDEC WILL BE REQUIRED.

- IF A 5-ACRE WAIVER HAS BEEN GRANTED AND THE SITE DISTURBANCE IS OVER 5 ACRES, IN AREAS WHERE SOIL DISTURBANCE HAS TEMPORARILY CEASED, TEMPORARY AND/OR PERMANENT SOIL STABILIZATION MEASURES SHALL BE INSTALLED AND/OR IMPLEMENTED WITHIN SEVEN (7) DAYS FROM THE DATE THE SOIL DISTURBANCE ACTIVITY CEASED
- INCREASED SITE INSPECTION FREQUENCY TO AT LEAST TWO (2) SITE INSPECTIONS EVERY SEVEN (7) CALENDAR DAYS FOR AS LONG AS THE DISTURBANCE EXCEEDS FIVE (5) ACRES. THE TWO (2) INSPECTIONS MUST BE SEPARATED BY AT LEAST TWO (2) CALENDAR DAYS.

CANANDAIGUA LAKE COUNTY SEWER DISTRICT

1. SEWER PERMITS AND PERMITS FOR WORK WITHIN ONTARIO COUNTY HIGHWAY RIGHTS OF WAY MUST BE PURCHASED IN ADVANCE AT THE ONTARIO COUNTY PUBLIC WORKS OFFICE LOCATED AT 2962 COUNTY ROAD 40 IN THE TOWN OF HOPEWELL, CALL 585-396-4000 FOR INFORMATION.
2. THE SANITARY SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE MOST RECENT STANDARDS AND SPECIFICATIONS OF THE CANADAGU/LAKE COUNTY SEWER DISTRICT, N.Y. DEPARTMENT OF ENVIRONMENTAL CONSERVATION, N.Y. DEPARTMENT OF HEALTH, THE LATEST EDITION OF RECOMMENDED STANDARDS FOR WASTEWATER FACILITIES AND ANY OTHER AGENCIES HAVING JURISDICTION.
3. SANITARY SEWER MAIN GRAVITY PIPE SHALL BE 8" DIA. OR LARGER. JOINTS SHALL BE 2' MINIMUM WITH CAST IRON OR DUCTILE IRON RINGS AND GASKETS. JOINTS SHALL BE WELDED TOGATHER. JOINTS ACTUAL FIELD CONDITIONS MAY REQUIRE ADDITIONAL PIPE OR BACKFILL REINFORCEMENT. THE SANITARY SEWER MAIN WILL BE DESIGNED BY THE DEVELOPER'S ENGINEER. FIELD CHANGES MUST BE APPROVED BY THE SEWER DISTRICT.
4. THE SANITARY SEWER IS DESIGNED TO PROVIDE GRAVITY SERVICE TO ALL ADJACENT BUILDING BASEMENTS. BASEMENTS HAVING SANITARY SEWER SERVICE SHALL BE INDICATED ON THE UTILITY PLAN. THE UTILITY PLAN BASEMENT FLOOR ELEVATIONS WILL BE SHOWN ON THE SANITARY SEWER PROFILE FOR EACH LOT THAT WILL NOT BE SERVED BY GRAVITY LATERALS.
5. THE CONTRACTOR SHALL LOCATE, MARK AND PRESERVE ANY RIGHT OF WAY MONUMENTS OR SURVEY CONTROL IN THE AREA OF CONSTRUCTION.
6. UTILITY LOCATIONS SHALL BE APPROXIMATE ONLY. THE CONTRACTOR SHALL DETERMINE EXACT LOCATION OF UTILITIES, EXCAVATING TO EXPOSE THE UTILITY, IF NECESSARY IN THE AREA OF CONSTRUCTION, BEFORE COMMENCING CONSTRUCTION. CONTACT U.F.P.O. AT 1-800-962-7962 AT LEAST 72 HOURS PRIOR TO CONSTRUCTION.
7. THE SANITARY SEWER SHALL BE LOCATED A MINIMUM HORIZONTAL DISTANCE OF 10' FROM ANY EXISTING OR PROPOSED WATER MAIN (AS MEASURED FROM THE OUTSIDE OF THE SEWER TO THE OUTSIDE OF THE WATER MAIN). IN CASES WHERE THE SANITARY SEWER CROSSES A WATER MAIN, THE MINIMUM VERTICAL SEPARATION SHALL BE 18" (MEASURED OUT-TO-OUT). THE CROSSING SHALL BE ARRANGED SO THAT THE SEWER JOINTS WILL BE EQUIDISTANT AND AS FAR AS POSSIBLE FROM THE WATER MAIN JOINTS.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS. HE SHALL BE ISSUED A SCHEDULE OF CONSTRUCTION, INSPECTION, RECORD DRAWINGS, DEDICATION DOCUMENTS AND RELATED EXPENSES FOR THE SANITARY SEWER PLUS AN ADDITIONAL 10% FOR CONTINGENCIES MUST BE SUBMITTED TO THE COMMISSIONER OF PUBLIC WORKS BEFORE A PERMIT IS ISSUED OR SEWER CONSTRUCTION MAY COMMENCE.
9. THE CONTRACTOR SHALL PROVIDE THE DISTRICT WITH SHOP DRAWINGS AND MATERIAL SPECIFICATIONS THAT WILL BE REQUIRED PRIOR TO THE SEWER CONSTRUCTION. THE DISTRICT WILL REVIEW PERMITS.
10. THE DEVELOPER IS RESPONSIBLE FOR THE PREPARATION OF ALL REQUIRED EASEMENT MAPS AND DESCRIPTIONS AND SUBMISSION TO THE DISTRICT FOR APPROVAL. PERMITS WILL NOT BE ISSUED PRIOR TO THE EASEMENT DOCUMENTS BEING SIGNED BY THE COMMISSIONER AND RECORDED IN THE COUNTY CLERK'S OFFICE.
11. THE CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH OSHA REQUIREMENTS IN ALL ASPECTS OF CONSTRUCTION. PAYMENT OF OSHA REQUIREMENTS SHALL BE THE RESPONSIBILITY OF THE DEVELOPER. SPACE ENTRY INTO ANY DISTRICT STRUCTURE MUST COMPLY WITH ALL DISTRICT AND OSHA APPROVED PROCEDURES FOR CONFINED SPACES.
12. WHEN SANITARY SEWER CONSTRUCTION ACTIVITIES BEGIN, THE CONTRACTOR SHALL PLUG THE MAIN AT THE CONSTRUCTION MANHOLE. PLUGS SHALL NOT BE REMOVED UNTIL THE COMPLETED SEWER LINE IS TESTED AND APPROVED FOR USE.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING SANITARY FLOWS AT ALL TIMES BY METHODS ACCEPTABLE TO THE DEVELOPER'S ENGINEER AND THE DISTRICT.
14. THE SEWER LINE SHALL BE LAID USING A PIPE LASER. GRADE SHALL BE CHECKED EVERY 100 FEET USING A PROVED LASER LEVEL. THE CONTRACTOR SHALL MAINTAIN EXISTING SANITARY SYSTEMS.
15. FLOOR DRAINS IN THE BASEMENT OR GARAGE ARE TO BE CONNECTED TO THE SANITARY SEWER. FLOOR DRAINS DO NOT INCLUDE FOUNDATION OR FOOTER DRAINS INSTALLED TO INTERCEPT UNCONTAMINATED GROUND WATER. ALL DISCHARGES TO THE SANITARY SEWER MUST COMPLY WITH EFFLUENT LIMITS OF THE ONTARIO COUNTY SEWER USE LAW. FOUNDATION AND FOOTER DRAINS SHALL BE CONSTRUCTED IN A MANNER THAT WILL PROHIBIT GROUND WATER FROM ENTERING THE SANITARY SEWER.
16. OPENINGS IN EXISTING MANHOLES SHALL BE MADE WITH A CORE SAW A RUBBER, WATER-TIGHT PIPE-TO-MANHOLE BOOT ADAPTOR OR OTHER DISTRICT APPROVED CONNECTOR CONFORMING TO ASTM C-923, SHALL BE USED TO MAKE THE CONNECTION TO THE EXISTING MANHOLE.
17. THE CONTRACTOR SHALL PERFORM ALL EXISTING MANHOLE MODIFICATION OPERATIONS IN SUCH A MANNER TO ENSURE NO DEBRIS OR CONSTRUCTION MATERIALS ENTER THE SANITARY SEWER SYSTEM.
18. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN PERFORMING EXISTING MANHOLE MODIFICATION OPERATIONS, ANY DAMAGE TO THE EXISTING SLAB, BARREL OR ANY OTHER PART OF THE STRUCTURE SHALL BE REPLACED IN KIND TO THE SATISFACTION OF THE CANADAGU/LAKE COUNTY SEWER DISTRICT REPRESENTATIVE AT THE CONTRACTOR'S EXPENSE.
19. THE EXISTING MANHOLES THAT ARE MODIFIED IN ANY MANNER SHALL BE SUBJECT TO VACUUM TESTING PER DISTRICT REQUIREMENTS.
20. CONNECTIONS REQUIRING OPENINGS IN ASBESTOS CEMENT PIPE WILL BE DESIGNED, INSPECTED AND CERTIFIED BY THE DESIGN ENGINEER OR REPRESENTATIVE THEREOF.
21. ALL PIPES ENTERING OR EXITING MANHOLES SHALL HAVE A FLEXIBLE WATER-TIGHT JOINT NO LESS THAN 1 FOOT AND NO GREATER THAN 3 FEET FROM THE OUTSIDE WALL OF THE MANHOLE.
22. MANHOLES DEEPER THAN 14 FEET, LESS THAN 5 FEET IN DEPTH, OR HAVING THREE OR MORE PIPE CONNECTIONS SHALL HAVE A MINIMUM INSIDE DIAMETER OF 5 FEET.
23. ANY EXCAVATION NOT BACKFILLED BY THE END OF THE WORKDAY SHALL BE FENCED, BARRICADED AND LIGHTED FOR SAFETY AND PROTECTION OF THE PUBLIC.
24. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF EXISTING SANITARY MAINS, STRUCTURES AND EXISTING MANHOLES, IF NECESSARY, PRIOR TO THE WORK.
25. EXISTING LATERALS TO BE DISCONNECTED MUST BE PERMANENTLY PLUGGED OR CAPPED AT THE EASEMENT OR RIGHT OF WAY LINE UNDER THE DIRECTION OF THE CANADAGU/LAKE COUNTY SEWER DISTRICT SUPERVISOR. THE CONTRACTOR IS REQUIRED TO OBTAIN A PERMIT PRIOR TO PERFORMING THE WORK. THE LOCATION OF THE EXISTING CAP SHALL BE INDICATED ON THE UTILITY PLAN.
26. LATERAL CLEAN OUTS WILL BE PROVIDED AT THE RIGHT OF WAY LINE OR SANITARY SEWER EASEMENT LINE, WHICHEVER IS FURTHER FROM THE SEWER MAIN, AND EVERY 90 LINEAR FEET THEREAFTER.
27. THE CONTRACTOR SHALL TAKE AND RECORD FIELD MEASUREMENTS TO ALL WYES, CLEAN OUTS AND LATERAL PLUGS AS WELL AS LENGTHS OF RISERS AND DEPTHS AT LATERAL PLUGS. THE INFORMATION WILL BE GIVEN TO THE DEVELOPER'S ENGINEER FOR USE IN PREPARING RECORD DRAWINGS.
28. FOLLOWING PROJECT COMPLETION AND 30 DAYS THEREAFTER, THE CONTRACTOR SHALL PLACE THE FOLLOWING TEST SHALL BE PERFORMED ON GRAVITY SANITARY SEWER MAIN:
 - a. INFILTRATION-FILTRATION TESTS ON SEWER MAIN AND MANHOLES. AIR PRESSURE TESTING FOR SEWER MAINS AND VACUUM TESTING FOR MANHOLES IS RECOMMENDED. TESTS ON MANHOLES MAY BE DEFERRED UNTIL AFTER THE CONSTRUCTION OF THE SEWER MAINS ARE COMPLETE. AIR PRESSURE TESTING OF PLASTIC PIPES SHALL CONFORM TO ASTM D 3213 AND AIR PRESSURE TESTING OF CONCRETE MANHOLES SHALL CONFORM TO ASTM C-1244.
 - b. A DEFLECTION TEST USING A RIGID ROLL OR MANDREL HAVING A DIAMETER OF 95% OF THE INSIDE DIAMETER OF THE PIPE. MECHANICAL PULLING DEVICES WILL NOT BE USED.
 - c. ALL TESTS ON SEWER LINES WILL BE TELEVIEWED AND RECORDED. ALL TESTS ARE COMPLETE, A GOOD QUALITY COPY OF THE TEST VIDEO TAPE AND RELATED RECORDS WILL BE SUBMITTED FOR EVALUATION TO CANADAGU/LAKE COUNTY SEWER DISTRICT. PRIOR TO TELEVIEWING THE SEWER LINE SHALL BE ENSURED AND CLEARED OF DIRT, STONES AND DEBRIS. IF PERMISSION IS GRANTED TO REMOVE THE PLUGS OF THE CONNECTING LATERALS, THE CONTRACTOR SHALL PROVIDE DOWNSTREAM SORENSONS OR OTHER DEVICES TO PREVENT DEBRIS FROM ENTERING THE COUNTY SEWER SYSTEM. SECTIONS OF PIPE REPAIRED OR RE-FLUSHED WILL BE RE-TELEVIEWED UNTIL ACCEPTABLE.
29. UPON PROJECT COMPLETION AND DISTRICT APPROVAL, THE DEVELOPER'S ENGINEER WILL SUBMIT RECORD DRAWINGS ON MYLAR AND IN ELECTRONIC FORMAT, TO NAD83 HORIZONTAL AND NAVD 88 VERTICAL, DATUM 1988. RECORD DRAWINGS WILL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING: EASEMENT MAPS, EASEMENTS AND APPURTENANCES, INCLUDING WYES AND LATERALS, AS WELL AS PROFILES, EASEMENTS AND ANY OTHER RELATED INFORMATION REQUESTED BY THE DISTRICT. MYLAR DRAWINGS WILL BE STAMPED/SEALED AND SIGNED BY A PROFESSIONAL ENGINEER OR SURVEYOR, AND SHALL BE AT STANDARD ENGINEERING SCALE (1" = 50' MIN). EXPIRED STANDARDS SHALL BE INDICATED ON THE DATE OF THE DEDICATION OF THE SEWER, OR THE RELEASE DATE OF THE RETAINMENT FROM THE LETTER OF CREDIT, WHICHEVER OCCURS LAST.
30. THE DEVELOPER IS RESPONSIBLE FOR PROVIDING EASEMENT MAPS AND DESCRIPTIONS AND SEVERAL DEDICATION DOCUMENTS. MAPS AND DESCRIPTIONS SHALL BE SUBMITTED TO THE ONTARIO COUNTY CLERK'S OFFICE, AND THEREFORE NEED TO BE SUBMITTED ON LEGAL SIZE (8 1/2" X 14") PAPER.
31. PRIOR TO RELEASING THE RETAINMENT FROM THE ORIGINAL LETTER OF CREDIT, A MAINTENANCE BOND FOR A MINIMUM OF 10% OF THE TOTAL SANITARY SEWER-RELATED COST OF THE PROJECT IN FAVOR OF THE CANADAGU/LAKE COUNTY SEWER DISTRICT WILL BE SUBMITTED TO THE COMMISSIONER. THE BOND WILL EXPIRE AT THE SOONER OF THE DATE OF THE DEDICATION OF THE SEWER, OR THE RELEASE DATE OF THE RETAINMENT FROM THE LETTER OF CREDIT, WHICHEVER OCCURS LAST.

ABBREVIATIONS			
ABBR.	TERM	ABBR.	TERM
AC	ACRE	LP	LIGHT POST (PRIVATE)
A.O.B.F.	AS ORDERED BY ENGINEER	LS	LUMP SUM
AS	ASPHALT	L	LEFT
AZ	AZIMUTH	MB	MALBORO
B	BASIC LINE	M	MIDDLE ORIGINATE
BH	BENCHMARK	MO	MOUNTAIN OF MOUTH
B	BALANCE	MOOR	MOORLAND COUNTY GEOLOGIC SURVEY
CDS	CONCRETE DITCH	M.H.	MANHOLE
C	CONCRETE	N	NECESSARY
C	CAN UNDED EAVE	N.I.	NO IN - CONTRACT
C	CLEAN-OUT	N	NOT TO SCALE
CH	CONCRETE	N	NOT ON FORMERLY
CH	CORRUGATED POLYETHYLENE PIPE	PAY	PAYMENT
CH	CORRUGATED STEEL PIPE	P	POLYETHYLENE PIPE
COV.	COVER	PR	PERFORATED POLYETHYLENE PIPE
C	CUT BOX	P	POINT
C	CURB VARIO	PI	POINT OF INTERSECTION
C	CURB	PO	POINT OF TANGENCY
D	DRAINAGE	PVC	POINT OF VERTICAL CURVATURE
D	DRAINAGE	PV	POINT OF VERTICAL INTERSECTION
D.P.	DITCH/IRON PIPE	PWT	POINT OF VERTICAL TANGENCY
D	DITCH	P	POWER POLE
E	ENGINEER IN CHARGE	R	PROPERTY LINE
ELEV.	ELEVATION	R	RAILROAD
E	EDGE OF PAVEMENT	RCR	REINFORCED CONCRETE PIPE
F	FINISH FLOOR = FINISH FLOOR ELEVATION	RE	ROCHER GAS AND ELECTRIC
FB	FINISH	R	RIGHT
FB	FINISH	R	RIGHT
FB	FINISH PAD = GARAGE FLOOR ELEVATION	RG	ROCHSTER TELEPHONE COMPANY
F	FEET	SA	SANITARY SEWER
F	FEET	SE	SEWER SEWER
G	GAS MAIN	SFA	STATION
GAL	GALLON	SV	STORY
G	GRADE	SV	SQUARE AREA
G	GRADE RAIL	T	TANGENT DISTANCE
H	HORIZONTAL CONTROL LINE	TH	THEORETICAL GRADE LINE
HYD.	HYDRAULIC	T	TYPICAL
INV.	INVERT	V	VERTICAL CURVE
IR	IRON PIPE OR IRON PIN	V	VERTICAL
L	LENGTH OR LENGTH OF CURVE	W	WINDING PIPE
L	LENGTH	W	WINDING
L	LENGTH	W	WINDING



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PRELIMINARY OVERALL PLANS

for

PIERCE BROOK SUBDIVISION

STATE ROUTE 21 SOUTH, T.A. NO. 97.02-1-52.1

PARRISH STREET EXTENSION, T.A. NO. 97.00-2-2

TOWN OF CANANDAIGUA

ONTARIO COUNTY

STATE OF NEW YORK

JOB NO:	1022-19	
SCALE:	N/A	
DRAWN:	CMP	
DESIGNED:	RJT	
DATE:	5/21/21	

REVISIONS		
DATE	BY	REVISION
08/20/21	CP	TOWN COMMENTS

IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW ARTICLE 145, SECTION 1204(4)(b) AND FEDERAL LAWS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR TO DRAW ANY MAP, ANY INSTRUMENT, THE SIGN OF A PROFESSIONAL ENGINEER OR LAND SURVEYOR OR SEAL, OR ANY INSTRUMENT, PLANS, SPECIFICATIONS, DRAWINGS AND SURVEYING IN ANY CITY, TOWN OR VILLAGE, WITHOUT BEING THE SIGN OF A PROFESSIONAL ENGINEER OR LAND SURVEYOR AS SET FORTH IN THE SEVERAL LAWS ENFORCED BY EDUCATION LAW, WITHIN 30 DAYS OF THE DATE THEY ARE USED FOR THE VIOLATION HEREIN AND FOLLOWED BY THEIR SIGNATURE AND THE DATE OF SUCH VIOLATION, AND A SPECIFIC CONSEQUENCE FOR THE VIOLATION.

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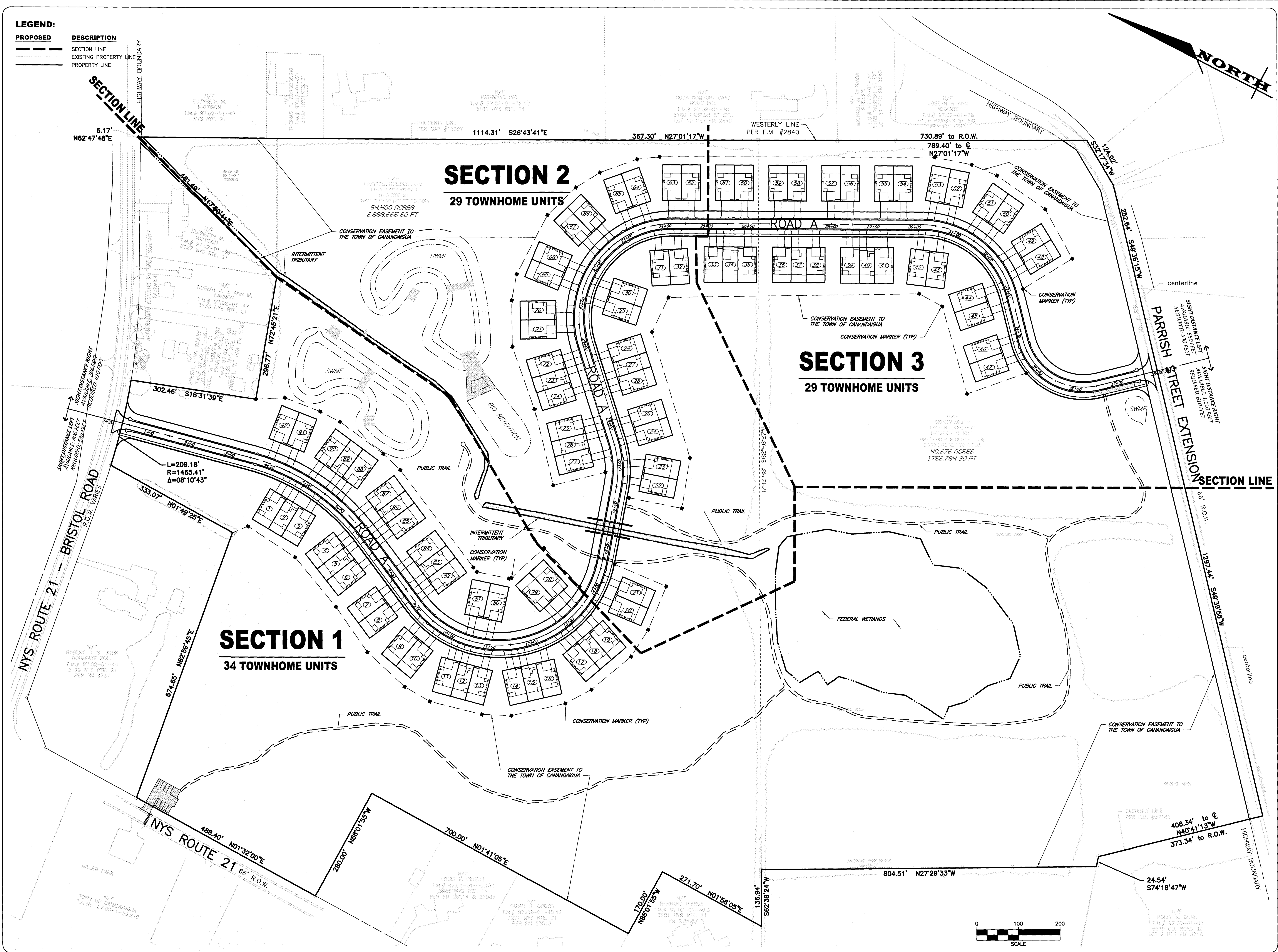
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DRAWING TITLE:

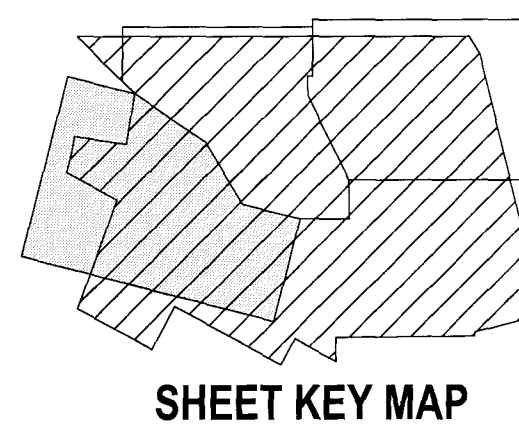
**NOTE,
ABBREVIATIONS, AND
SPECIFICATIONS**

1 of 21 SHEET No.	C0.1
1022-19 JOB No.	DRAWING No.

2 of 21
SHEET No: C1.0
1022-19
JOB No: DRAWING No:



1. **RIGHT-TO-FARM LAW** - THIS PROPERTY MAY BE NEAR A FARM, AS DEFINED IN THE NEW YORK STATE AGRICULTURE AND MARKETS LAW, § 301, SUBSECTION 11. SOUND FARMING PRACTICES MAY GENERATE DUST, ODOR, SMOKE, NOISE, AND VIBRATION.



SHEET KEY MAP

REQUESTED LOT STANDARDS

MINIMUM LOT SIZE: 3,085 SF ±
MINIMUM WIDTH @ SETBACK: N/A
LOT DEPTH: 85' ±
MAXIMUM BUILDING COVERAGE: N/A
MAXIMUM BUILDING HEIGHT: 30'
SETBACKS:
FRONT 25' (FROM ROAD R.O.W.)
0' (INTERNAL TO LOT)
SIDE 0'
REAR 0'



MARATHON
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PRELIMINARY OVERALL PLANS
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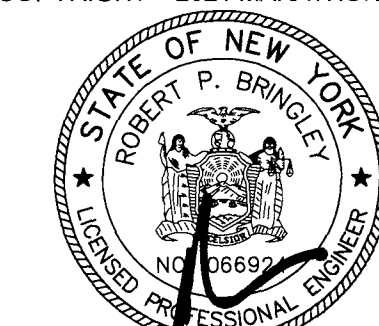
STATE ROUTE 21 SOUTH, T.A. NO. 97.02-1-52.1
PARRISH STREET EXTENSION, T.A. NO. 97.00-2-2
TOWN OF CANANDAIGUA ONTARIO COUNTY

JOB NO: 1022-19
SCALE: 1"=50'
DRAWN: CMP
DESIGNED: RJT
DATE: 5/21/21

REVISIONS		
DATE	BY	REVISION
08/20/21	CP	TOWN COMMENT

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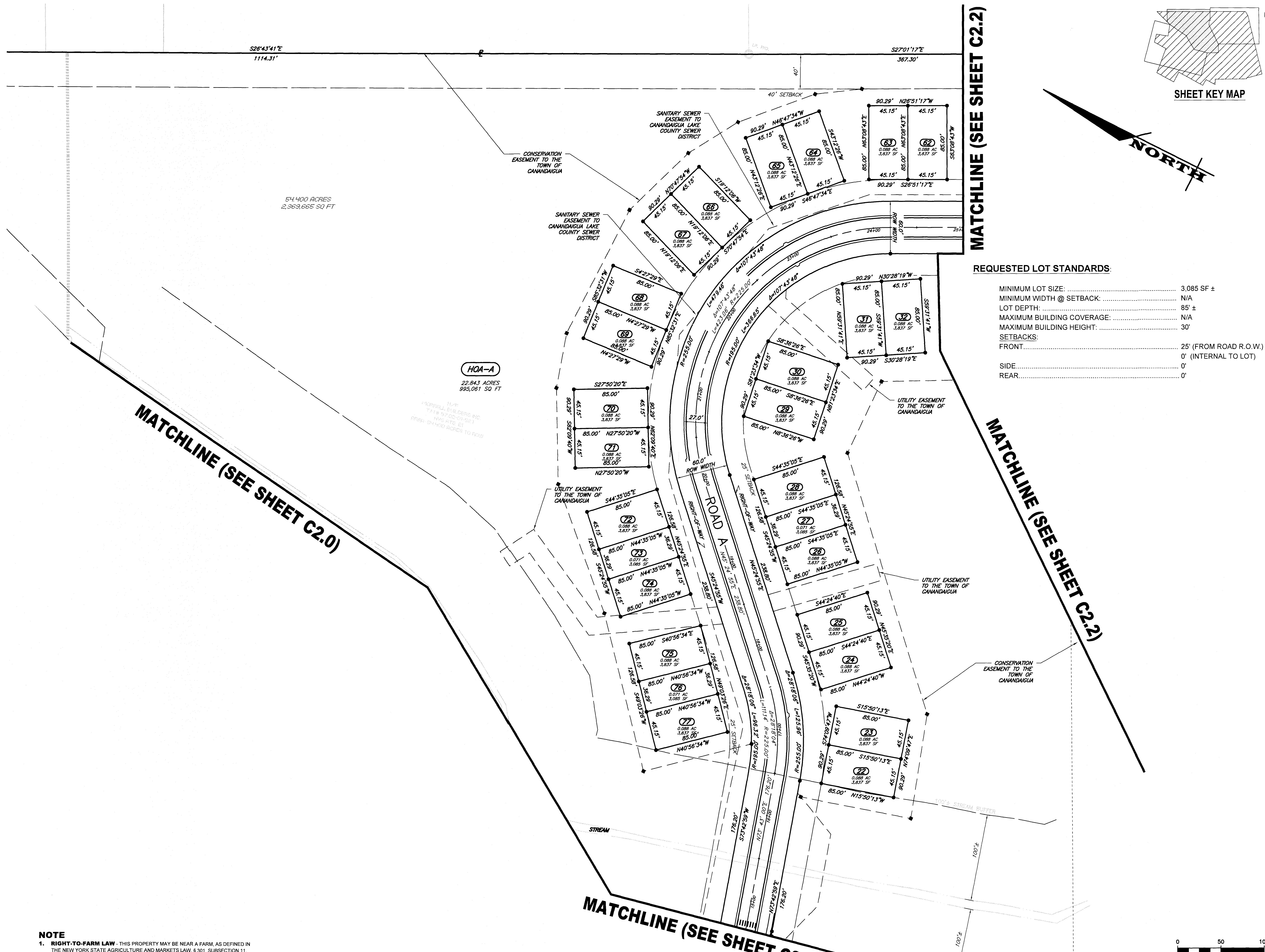
DRAWING TITLE:
SUBDIVISION
PLAN (SHEET 1 OF
3)

3 of 21
SHEET No

1022-19
JOB No

C2.0

DRAWING No:




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PRELIMINARY OVERALL PLANS
for
PIERCE BROOK SUBDIVISION

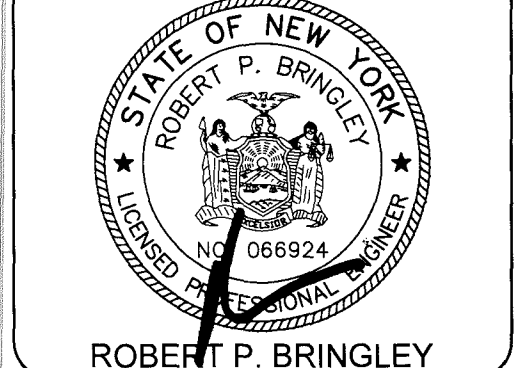
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REVISIONS		
DATE	BY	REVISION
08/20/21	CP	TOWN COMMENTS

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DRAWING TITLE:
SUBDIVISION
PLAN (SHEET 2 OF
3)

4 of 21	C2.1
SHEET No:	
1022-19	
JOB No:	DRAWING No:

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NOTE

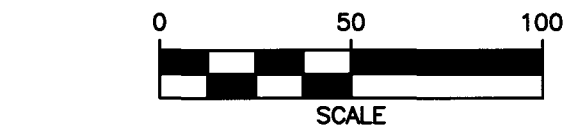
1. **RIGHT-TO-FARM LAW** - THIS PROPERTY MAY BE NEAR A FARM, AS DEFINED IN THE NEW YORK STATE AGRICULTURE AND MARKETS LAW, § 301, SUBSECTION 11. SOUND FARMING PRACTICES MAY GENERATE DUST, ODOR, SMOKE, NOISE, AND VIBRATION.

MATCHLINE (SEE SHEET C2.2)

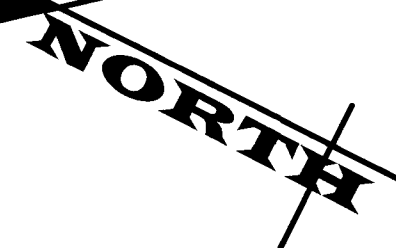
MATCHLINE (SEE SHEET C2.2)

REQUESTED LOT STANDARDS:

MINIMUM LOT SIZE: 3,085 SF ±
MINIMUM WIDTH @ SETBACK: N/A
LOT DEPTH: 85' ±
MAXIMUM BUILDING COVERAGE: N/A
MAXIMUM BUILDING HEIGHT: 30'
SETBACKS:
FRONT: 25' (FROM ROAD R.O.W.)
0' (INTERNAL TO LOT)
SIDE: 0'
REAR: 0'



SHEET KEY MAP



PRELIMINARY OVERALL PLANS
for

PIERCE BROOK SUBDIVISION

STATE ROUTE 21 SOUTH, T.A. NO. 97.02-1-52.1
PARISH STREET EXTENSION, T.A. NO. 97.00-2-2

TOWN OF CANANDAIGUA ONTARIO COUNTY STATE OF NEW YORK

JOB NO: 1022-19
SCALE: 1"=50'
DRAWN: CMP
DESIGNED: RJT
DATE: 5/21/21

REVISIONS

DATE	BY	REVISION
08/20/21	CP	TOWN COMMENTS

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ROBERT P. BRINGLEY

DRAWING TITLE:

SUBDIVISION
PLAN (SHEET 3 OF
3)

5 of 21

SHEET No:

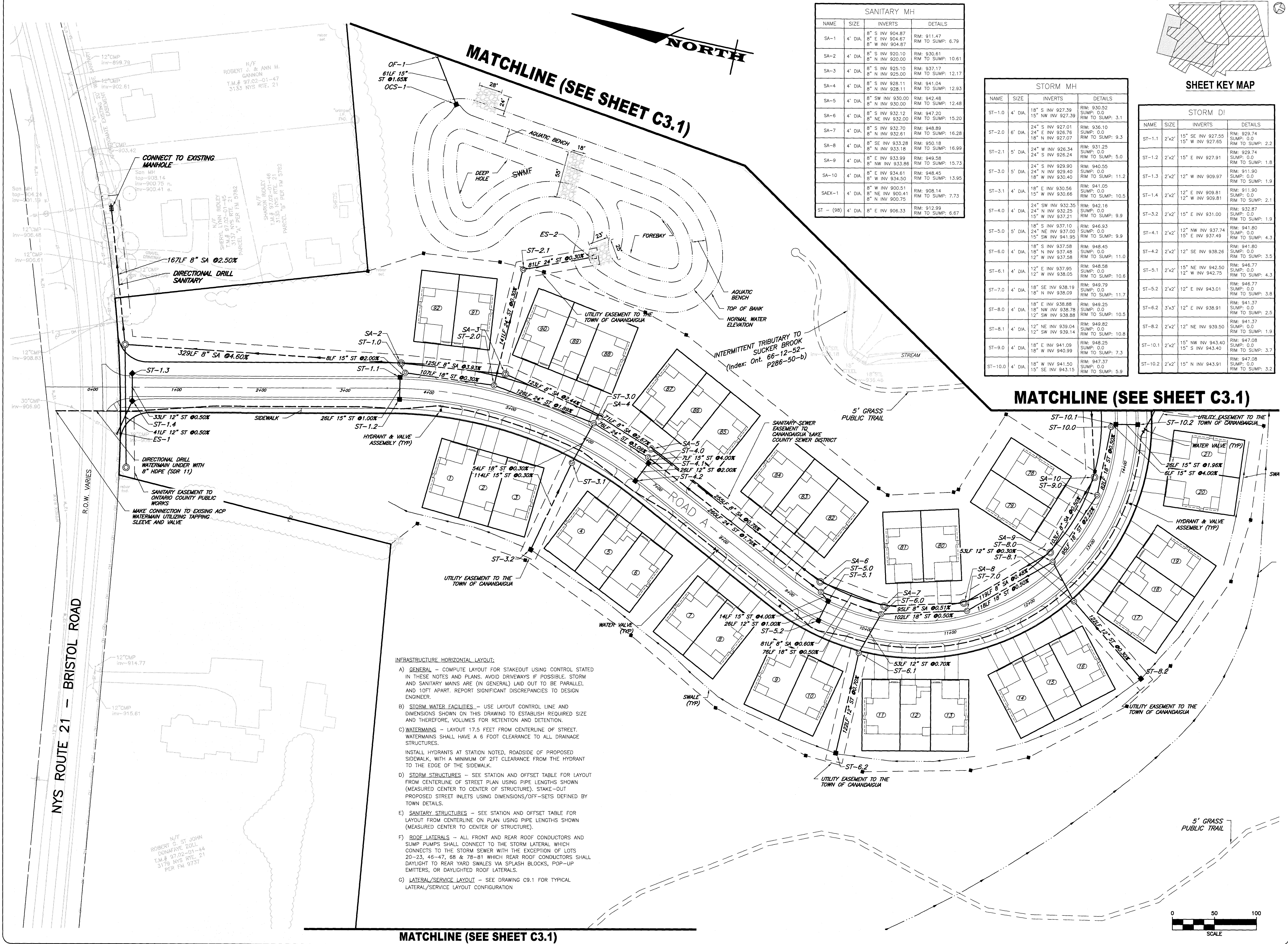
C2.2

JOB No:

DRAWING No:

MARATHON
ENGINEERING
ROCHESTER LOCATION
39 CASCADE DRIVE
ROCHESTER, NY 14614
585-458-7770
ITHACA LOCATION
840 HANSHAW RD, STE 6
ITHACA, NY 14850
607-241-2917
www.marathoneng.com

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SANITARY MH				
NAME	SIZE	INVERTS	DETAILS	
SA-1	4' DIA.	8" S INV 904.87 8" E INV 904.67 8" W INV 904.87	RIM: 911.47 RIM TO SUMP: 6.79	
SA-2	4' DIA.	8" S INV 920.10 8" N INV 920.00	RIM: 930.61 RIM TO SUMP: 10.61	
SA-3	4' DIA.	8" S INV 925.10 8" N INV 925.00	RIM: 937.17 RIM TO SUMP: 12.17	
SA-4	4' DIA.	8" S INV 928.11 8" N INV 928.11	RIM: 941.04 RIM TO SUMP: 12.93	
SA-5	4' DIA.	8" SW INV 930.00 8" N INV 930.00	RIM: 942.48 RIM TO SUMP: 12.48	
SA-6	4' DIA.	8" S INV 932.12 8" N INV 932.61	RIM: 947.20 RIM TO SUMP: 15.20	
SA-7	4' DIA.	8" S INV 932.70 8" N INV 932.61	RIM: 948.89 RIM TO SUMP: 16.28	
SA-8	4' DIA.	8" SE INV 933.28 8" N INV 933.18	RIM: 950.18 RIM TO SUMP: 16.99	
SA-9	4' DIA.	8" E INV 933.99 8" NW INV 933.86	RIM: 949.58 RIM TO SUMP: 15.73	
SA-10	4' DIA.	8" E INV 934.61 8" NE INV 930.41 8" N INV 900.75	RIM: 948.45 RIM TO SUMP: 13.95	
SAEX-1	4' DIA.	8" W INV 900.51 8" NE INV 900.41 8" N INV 900.75	RIM: 908.14 RIM TO SUMP: 7.73	
ST - (98)	4' DIA.	8" E INV 906.33	RIM: 912.99 RIM TO SUMP: 6.67	

STORM MH				
NAME	SIZE	INVERTS	DETAILS	
ST-1.0	4' DIA.	18" S INV 927.39 15" NW INV 927.39	RIM: 930.52 SUMP: 0.0 RIM TO SUMP: 3.1	
ST-2.0	6' DIA.	24" S INV 927.01 24" E INV 926.76 18" N INV 927.07	RIM: 936.10 SUMP: 0.0 RIM TO SUMP: 9.3	
ST-2.1	5' DIA.	24" W INV 926.34 24" S INV 926.24	RIM: 931.25 SUMP: 0.0 RIM TO SUMP: 5.0	
ST-3.0	5' DIA.	24" S INV 929.90 24" N INV 929.40 18" W INV 930.40	RIM: 940.55 SUMP: 0.0 RIM TO SUMP: 11.2	
ST-3.1	4' DIA.	18" E INV 930.56 15" W INV 930.66	RIM: 941.05 SUMP: 0.0 RIM TO SUMP: 10.5	
ST-4.0	4' DIA.	24" SW INV 932.35 24" N INV 932.25 15" W INV 937.21	RIM: 942.16 SUMP: 0.0 RIM TO SUMP: 9.9	
ST-5.0	5' DIA.	18" S INV 937.10 24" NE INV 937.00 15" SW INV 941.95	RIM: 946.93 SUMP: 0.0 RIM TO SUMP: 9.9	
ST-6.0	4' DIA.	18" S INV 937.58 18" N INV 937.48 12" W INV 937.58	RIM: 948.45 SUMP: 0.0 RIM TO SUMP: 11.0	
ST-6.1	4' DIA.	12" E INV 937.95 12" W INV 938.05	RIM: 948.58 SUMP: 0.0 RIM TO SUMP: 10.6	
ST-7.0	4' DIA.	18" SE INV 938.18 18" N INV 938.09	RIM: 949.79 SUMP: 0.0 RIM TO SUMP: 11.7	
ST-8.0	4' DIA.	18" E INV 938.88 18" NW INV 938.78 12" SW INV 938.88	RIM: 949.25 SUMP: 0.0 RIM TO SUMP: 10.5	
ST-8.1	4' DIA.	12" NE INV 939.04 12" SW INV 939.14	RIM: 949.82 SUMP: 0.0 RIM TO SUMP: 10.8	
ST-9.0	4' DIA.	18" E INV 941.09 18" W INV 940.99	RIM: 948.25 SUMP: 0.0 RIM TO SUMP: 7.3	
ST-10.0	4' DIA.	18" W INV 941.50 15" SE INV 943.15	RIM: 947.37 SUMP: 0.0 RIM TO SUMP: 5.9	

STORM DI				
NAME	SIZE	INVERTS	DETAILS	
ST-1.1	2'x2'	15" SE INV 927.55 15" W INV 927.65	RIM: 929.74 SUMP: 0.0 RIM TO SUMP: 2.2	
ST-1.2	2'x2'	15" E INV 927.91	RIM: 929.74 SUMP: 0.0 RIM TO SUMP: 1.8	
ST-1.3	2'x2'	12" W INV 909.97	RIM: 911.90 SUMP: 0.0 RIM TO SUMP: 1.9	
ST-1.4	2'x2'	12" E INV 909.81 12" W INV 909.81	RIM: 911.90 SUMP: 0.0 RIM TO SUMP: 2.1	
ST-3.2	2'x2'	15" E INV 931.00	RIM: 932.87 SUMP: 0.0 RIM TO SUMP: 1.9	
ST-4.1	2'x2'	12" NW INV 937.74 15" E INV 937.49	RIM: 941.80 SUMP: 0.0 RIM TO SUMP: 4.3	
ST-4.2	2'x2'	12" SE INV 938.26	RIM: 941.80 SUMP: 0.0 RIM TO SUMP: 3.5	
ST-5.1	2'x2'	15" NE INV 942.50 12" W INV 942.75	RIM: 946.77 SUMP: 0.0 RIM TO SUMP: 4.3	
ST-5.2	2'x2'	12" E INV 943.01	RIM: 946.77 SUMP: 0.0 RIM TO SUMP: 3.8	
ST-6.2	3'x3'	12" E INV 938.91	RIM: 941.37 SUMP: 0.0 RIM TO SUMP: 2.5	
ST-8.2	2'x2'	12" NE INV 939.50	RIM: 941.37 SUMP: 0.0 RIM TO SUMP: 1.9	
ST-10.1	2'x2'	15" NW INV 943.40 15" S INV 943.40	RIM: 947.08 SUMP: 0.0 RIM TO SUMP: 3.7	
ST-10.2	2'x2'	15" N INV 943.91	RIM: 947.08 SUMP: 0.0 RIM TO SUMP: 3.2	

PRELIMINARY OVERALL PLANS
for
PIERCE BROOK SUBDIVISION

STATE ROUTE 21 SOUTH, T.A. NO. 97.02-1-52.1
PARRISH STREET EXTENSION, T.A. NO. 97.00-2-2

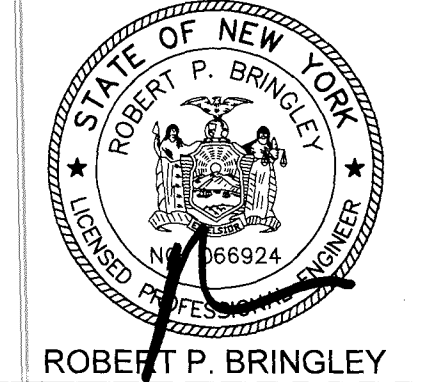
TOWN OF CANANDAIGUA
ONTARIO COUNTY
STATE OF NEW YORK

JOB NO: 1022-19
SCALE: 1"=50'
DRAWN: CMP
DESIGNED: RJT
DATE: 5/21/21

REVISIONS		
DATE	BY	REVISION
08/20/21	CP	TOWN COMMENTS

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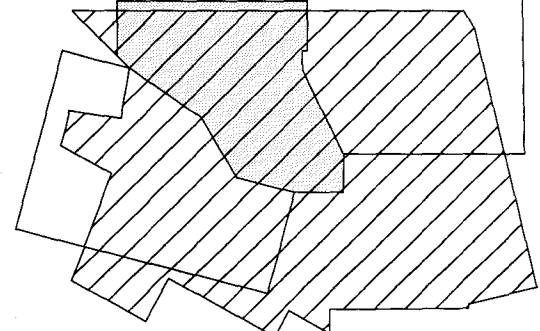
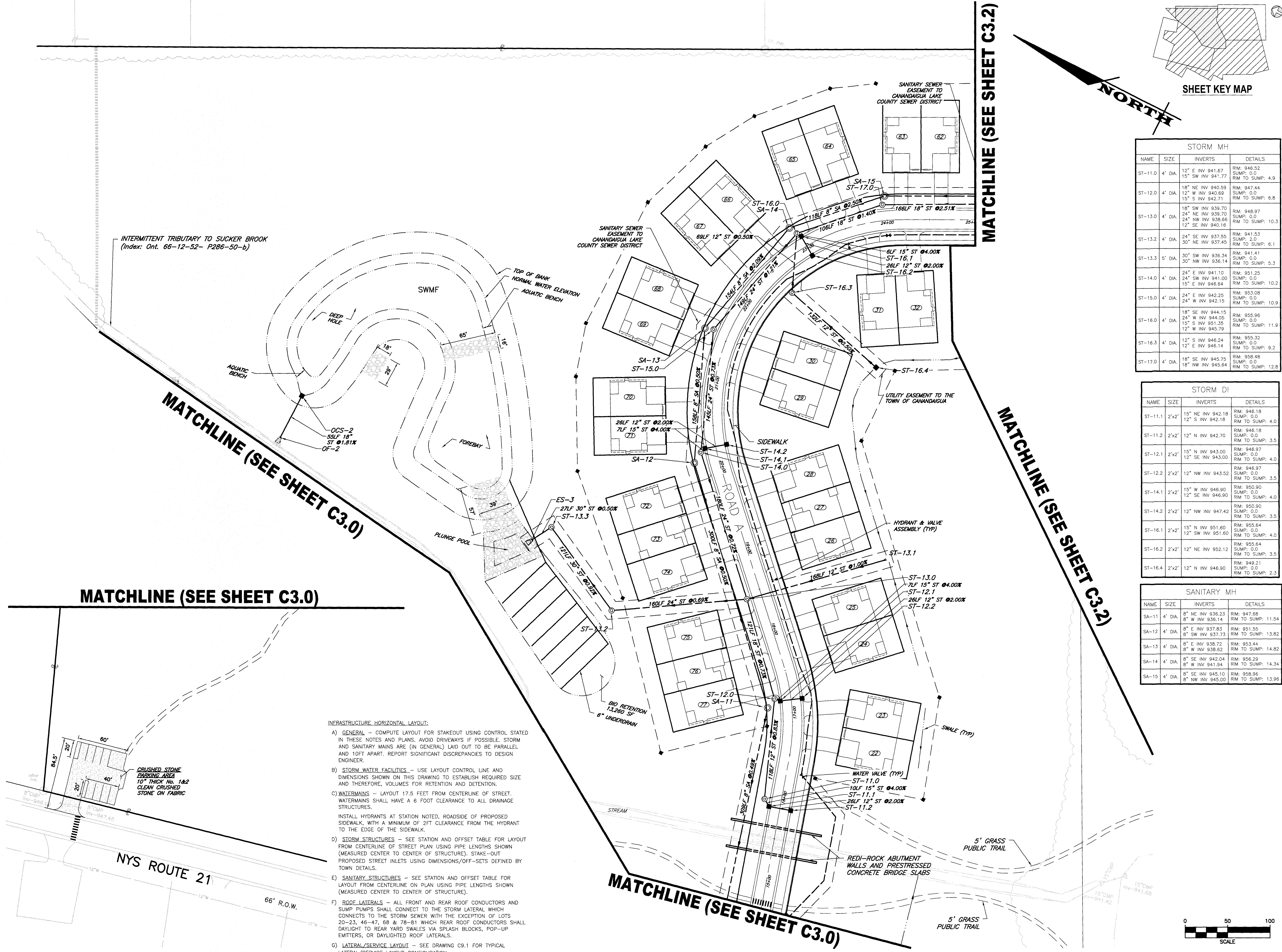
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DRAWING TITLE:
**UTILITY PLAN
(SHEET 1 OF 3)**

6 of 21
SHEET No: **C3.0**
JOB No: 1022-19
DRAWING No:

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SHEET KEY MAP

STORM MH			
NAME	SIZE	INVERTS	DETAILS
ST-11.0	4' DIA.	12" E INV 941.67 15" SW INV 941.77	RIM: 946.52 SUMP: 0.0 RIM TO SUMP: 4.9
ST-12.0	4' DIA.	18" NE INV 940.59 12" W INV 940.69 15" S INV 942.71	RIM: 947.44 SUMP: 0.0 RIM TO SUMP: 6.8
ST-13.0	4' DIA.	18" SW INV 939.70 24" NE INV 939.70 24" NW INV 938.66 12" SE INV 940.16	RIM: 948.97 SUMP: 0.0 RIM TO SUMP: 10.3
ST-13.2	4' DIA.	24" SE INV 937.55 30" NE INV 937.45	RIM: 941.53 SUMP: 0.0 RIM TO SUMP: 6.1
ST-13.3	5' DIA.	30" SW INV 936.34 30" NW INV 936.14	RIM: 941.41 SUMP: 0.0 RIM TO SUMP: 5.3
ST-14.0	4' DIA.	24" E INV 941.10 24" W INV 944.05 15" S INV 951.35	RIM: 951.25 SUMP: 0.0 RIM TO SUMP: 10.2
ST-15.0	4' DIA.	24" E INV 942.25 24" W INV 942.15	RIM: 953.08 SUMP: 0.0 RIM TO SUMP: 10.9
ST-16.0	4' DIA.	18" SE INV 944.15 24" W INV 944.05 15" S INV 951.35 12" W INV 945.79	RIM: 955.96 SUMP: 0.0 RIM TO SUMP: 11.9
ST-16.3	4' DIA.	12" S INV 946.24 12" E INV 946.14	RIM: 955.32 SUMP: 0.0 RIM TO SUMP: 9.2
ST-17.0	4' DIA.	18" SE INV 945.75 18" NW INV 945.64	RIM: 958.48 SUMP: 0.0 RIM TO SUMP: 12.8

STORM DI			
NAME	SIZE	INVERTS	DETAILS
ST-11.1	2'x2'	15" NE INV 942.18 12" S INV 942.18	RIM: 946.18 SUMP: 0.0 RIM TO SUMP: 4.0
ST-11.2	2'x2'	12" N INV 942.70	RIM: 946.18 SUMP: 0.0 RIM TO SUMP: 3.5
ST-12.1	2'x2'	15" N INV 943.00 12" SE INV 943.00	RIM: 946.97 SUMP: 0.0 RIM TO SUMP: 4.0
ST-12.2	2'x2'	12" NW INV 943.52	RIM: 946.97 SUMP: 0.0 RIM TO SUMP: 3.5
ST-14.1	2'x2'	15" W INV 946.90 12" SE INV 946.90	RIM: 950.90 SUMP: 0.0 RIM TO SUMP: 4.0
ST-14.2	2'x2'	12" NW INV 947.42	RIM: 950.90 SUMP: 0.0 RIM TO SUMP: 3.5
ST-16.1	2'x2'	15" N INV 951.60 12" SW INV 951.60	RIM: 955.64 SUMP: 0.0 RIM TO SUMP: 4.0
ST-16.2	2'x2'	12" NE INV 952.12	RIM: 955.64 SUMP: 0.0 RIM TO SUMP: 3.5
ST-16.4	2'x2'	12" N INV 946.90	RIM: 949.21 SUMP: 0.0 RIM TO SUMP: 2.3

SANITARY MH			
NAME	SIZE	INVERTS	DETAILS
SA-11	4' DIA.	8" NE INV 936.23 8" W INV 936.14	RIM: 947.68 RIM TO SUMP: 11.54
SA-12	4' DIA.	8" E INV 937.83 8" SW INV 937.73	RIM: 951.55 RIM TO SUMP: 13.82
SA-13	4' DIA.	8" E INV 938.72 8" W INV 938.62	RIM: 953.44 RIM TO SUMP: 14.82
SA-14	4' DIA.	8" SE INV 942.04 8" W INV 941.94	RIM: 956.29 RIM TO SUMP: 14.34
SA-15	4' DIA.	8" SE INV 945.10 8" NW INV 945.00	RIM: 958.96 RIM TO SUMP: 13.96

INFRASTRUCTURE HORIZONTAL LAYOUT:

- GENERAL** - COMPUTE LAYOUT FOR STAKEOUT USING CONTROL STATED IN THESE NOTES AND PLANS. AVOID DRIVEWAYS IF POSSIBLE. STORM AND SANITARY MAINS ARE (IN GENERAL) LAID OUT TO BE PARALLEL AND 10FT APART. REPORT SIGNIFICANT DISCREPANCIES TO DESIGN ENGINEER.
- STORM WATER FACILITIES** - USE LAYOUT CONTROL LINE AND DIMENSIONS SHOWN ON THIS DRAWING TO ESTABLISH REQUIRED SIZE AND THEREFORE, VOLUMES FOR RETENTION AND DETENTION.
- WATERMAINS** - LAYOUT 17.5 FEET FROM CENTERLINE OF STREET. WATERMAINS SHALL HAVE A 6 FOOT CLEARANCE TO ALL DRAINAGE STRUCTURES.
INSTALL HYDRANTS AT STATION NOTED, ROADSIDE OF PROPOSED SIDEWALK, WITH A MINIMUM OF 2FT CLEARANCE FROM THE HYDRANT TO THE EDGE OF THE SIDEWALK.
- STORM STRUCTURES** - SEE STATION AND OFFSET TABLE FOR LAYOUT FROM CENTERLINE OF STREET PLAN USING PIPE LENGTHS SHOWN (MEASURED CENTER TO CENTER OF STRUCTURE). STAKE-OUT PROPOSED STREET INLETS USING DIMENSIONS/OFF-SETS DEFINED BY TOWN DETAILS.
- SANITARY STRUCTURES** - SEE STATION AND OFFSET TABLE FOR LAYOUT FROM CENTERLINE ON PLAN USING PIPE LENGTHS SHOWN (MEASURED CENTER TO CENTER OF STRUCTURE).
- ROOF LATERALS** - ALL FRONT AND REAR ROOF CONDUCTORS AND SUMP PUMPS SHALL CONNECT TO THE STORM LATERAL WHICH CONNECTS TO THE STORM SEWER WITH THE EXCEPTION OF LOTS 20-23, 46-47, 68 & 78-81 WHICH REAR ROOF CONDUCTORS SHALL DAYLIGHT TO REAR YARD SWALES VIA SPLASH BLOCKS, POP-UP EMITTERS, OR DAYLIGHTED ROOF LATERALS.
- LATERAL/SERVICE LAYOUT** - SEE DRAWING C9.1 FOR TYPICAL LATERAL/SERVICE LAYOUT CONFIGURATION

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PRELIMINARY OVERALL PLANS
for
PIERCE BROOK SUBDIVISION
STATE ROUTE 21 SOUTH, T.A. NO. 97.02-1-52.1
PARRISH STREET EXTENSION, T.A. NO. 97.00-2-2
TOWN OF CANANDAIGUA
ONTARIO COUNTY
STATE OF NEW YORK

JOB NO:	1022-19
SCALE:	1"=50'
DRAWN:	CMP
DESIGNED:	RJT
DATE:	5/21/21
REVISIONS	
DATE	BY REVISION
08/20/21	CP TOWN COMMENTS

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STATE OF NEW YORK
ROBERT P. BRINGLEY
LICENSED PROFESSIONAL ENGINEER
068924

DRAWING TITLE:
UTILITY PLAN
(SHEET 2 OF 3)

7 of 21
SHEET No: **C3.1**
JOB No: 1022-19
DRAWING No:

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MATCHLINE (SEE SHEET C3.2)

MATCHLINE (SEE SHEET C3.2)

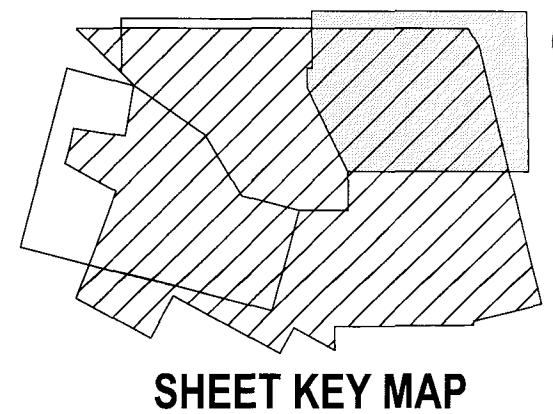
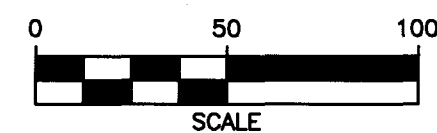
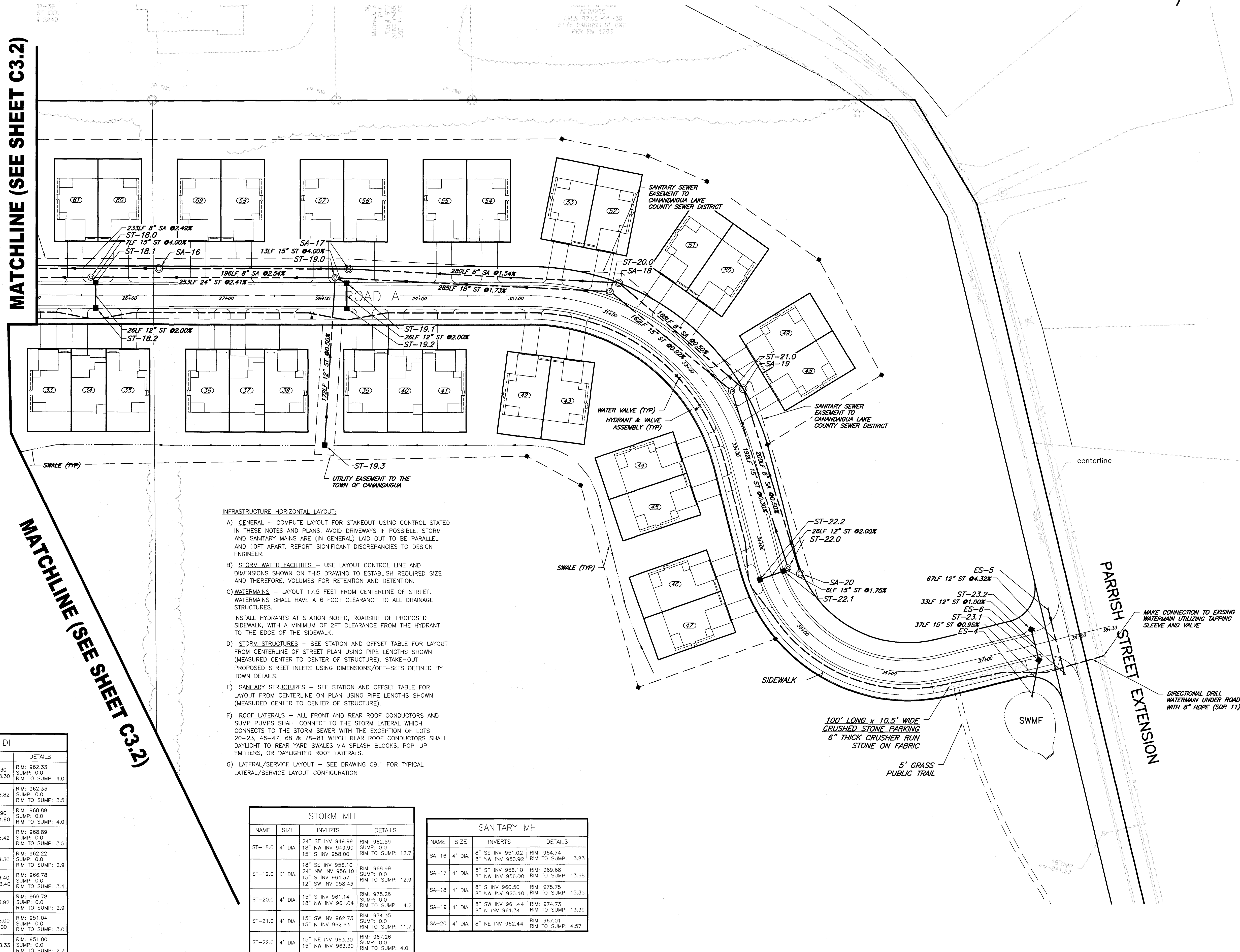
STORM DI			
NAME	SIZE	INVERTS	DETAILS
ST-18.1	2'x2'	15" N INV 958.30 12" SW INV 958.30	RIM: 962.33 SUMP: 0.0 RIM TO SUMP: 4.0
ST-18.2	2'x2'	12" NE INV 958.82	RIM: 962.33 SUMP: 0.0 RIM TO SUMP: 3.5
ST-19.1	2'x2'	15" N INV 964.90 12" NW INV 964.90	RIM: 968.89 SUMP: 0.0 RIM TO SUMP: 4.0
ST-19.2	2'x2'	12" NE INV 965.42	RIM: 968.89 SUMP: 0.0 RIM TO SUMP: 3.5
ST-19.3	2'x2'	12" NE INV 959.30	RIM: 962.22 SUMP: 0.0 RIM TO SUMP: 2.9
ST-22.1	2'x2'	15" SE INV 963.40 12" NW INV 963.40	RIM: 966.78 SUMP: 0.0 RIM TO SUMP: 3.4
ST-22.2	2'x2'	12" SE INV 963.92	RIM: 966.78 SUMP: 0.0 RIM TO SUMP: 2.9
ST-23.1	2'x2'	12" NE INV 948.00 15" W INV 948.00	RIM: 951.04 SUMP: 0.0 RIM TO SUMP: 3.0
ST-23.2	2'x2'	12" SW INV 948.33	RIM: 951.00 SUMP: 0.0 RIM TO SUMP: 2.7

INFRASTRUCTURE HORIZONTAL LAYOUT:

- A) **GENERAL** - COMPUTE LAYOUT FOR STAKEOUT USING CONTROL STATED IN THESE NOTES AND PLANS. AVOID DRIVEWAYS IF POSSIBLE. STORM AND SANITARY MAINS ARE (IN GENERAL) LAID OUT TO BE PARALLEL AND 10FT APART. REPORT SIGNIFICANT DISCREPANCIES TO DESIGN ENGINEER.
- B) **STORM WATER FACILITIES** - USE LAYOUT CONTROL LINE AND DIMENSIONS SHOWN ON THIS DRAWING TO ESTABLISH REQUIRED SIZE AND THEREFORE, VOLUMES FOR RETENTION AND DETENTION.
- C) **WATERMAINS** - LAYOUT 17.5 FEET FROM CENTERLINE OF STREET. WATERMAINS SHALL HAVE A 6 FOOT CLEARANCE TO ALL DRAINAGE STRUCTURES.
- INSTALL HYDRANTS AT STATION NOTED, ROADSIDE OF PROPOSED SIDEWALK, WITH A MINIMUM OF 2FT CLEARANCE FROM THE HYDRANT TO THE EDGE OF THE SIDEWALK.
- D) **STORM STRUCTURES** - SEE STATION AND OFFSET TABLE FOR LAYOUT FROM CENTERLINE OF STREET PLAN USING PIPE LENGTHS SHOWN (MEASURED CENTER TO CENTER OF STRUCTURE). STAKE-OUT PROPOSED STREET INLETS USING DIMENSIONS/OFF-SETS DEFINED BY TOWN DETAILS.
- E) **SANITARY STRUCTURES** - SEE STATION AND OFFSET TABLE FOR LAYOUT FROM CENTERLINE ON PLAN USING PIPE LENGTHS SHOWN (MEASURED CENTER TO CENTER OF STRUCTURE).
- F) **ROOF LATERALS** - ALL FRONT AND REAR ROOF CONDUCTORS AND SUMP PUMPS SHALL CONNECT TO THE STORM LATERAL WHICH CONNECTS TO THE STORM SEWER WITH THE EXCEPTION OF LOTS 20-23, 46-47, 68 & 78-81 WHICH REAR ROOF CONDUCTORS SHALL DAYLIGHT TO REAR YARD SWALES VIA SPLASH BLOCKS, POP-UP EMITTERS, OR DAYLIGHTED ROOF LATERALS.
- G) **LATERAL/SERVICE LAYOUT** - SEE DRAWING C9.1 FOR TYPICAL LATERAL/SERVICE LAYOUT CONFIGURATION

STORM MH			
NAME	SIZE	INVERTS	DETAILS
ST-18.0	4' DIA.	24" SE INV 949.89 18" NW INV 949.90 15" S INV 958.00	RIM: 962.59 SUMP: 0.0 RIM TO SUMP: 12.7
ST-19.0	6' DIA.	18" SE INV 956.10 24" NW INV 956.10 15" S INV 964.37 12" SW INV 958.43	RIM: 968.89 SUMP: 0.0 RIM TO SUMP: 12.9
ST-20.0	4' DIA.	15" S INV 961.14 18" NW INV 961.04	RIM: 975.26 SUMP: 0.0 RIM TO SUMP: 14.2
ST-21.0	4' DIA.	15" SW INV 962.73 15" N INV 962.63	RIM: 974.35 SUMP: 0.0 RIM TO SUMP: 11.7
ST-22.0	4' DIA.	15" NE INV 963.30 15" NW INV 963.30	RIM: 967.26 SUMP: 0.0 RIM TO SUMP: 4.0

SANITARY MH			
NAME	SIZE	INVERTS	DETAILS
SA-16	4' DIA.	8" SE INV 951.02 8" NW INV 950.92	RIM: 964.74 RIM TO SUMP: 13.83
SA-17	4' DIA.	8" SE INV 956.10 8" NW INV 956.00	RIM: 969.68 RIM TO SUMP: 13.68
SA-18	4' DIA.	8" S INV 960.50 8" NW INV 960.40	RIM: 975.75 RIM TO SUMP: 15.35
SA-19	4' DIA.	8" SW INV 961.44 8" N INV 961.34	RIM: 974.73 RIM TO SUMP: 13.39
SA-20	4' DIA.	8" NE INV 962.44	RIM: 967.01 RIM TO SUMP: 4.57



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ITHACA LOCATION
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www.marathoneng.com

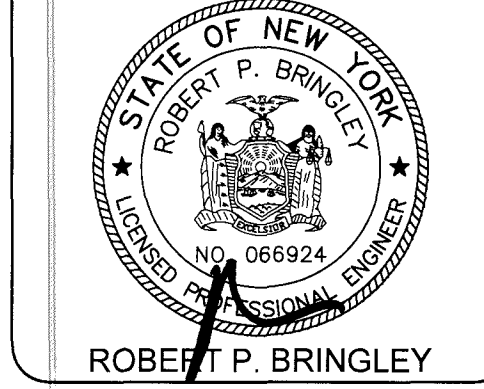
PRELIMINARY OVERALL PLANS
for
PIERCE BROOK SUBDIVISION
STATE ROUTE 21 SOUTH, T.A. NO. 97.02-1-52.1
PARRISH STREET EXTENSION, T.A. NO. 97.00-2-2
TOWN OF CANANDAIGUA ONTARIO COUNTY STATE OF NEW YORK

JOB NO: 1022-19
SCALE: 1"=50'
DRAWN: CMP
DESIGNED: RJT
DATE: 5/21/21

REVISIONS		
DATE	BY	REVISION
08/20/21	CP	TOWN COMMENTS

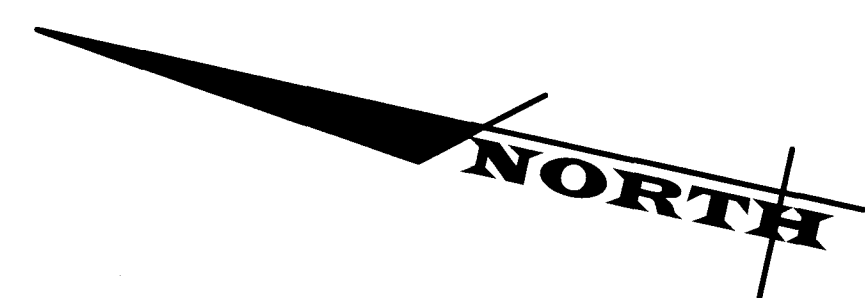
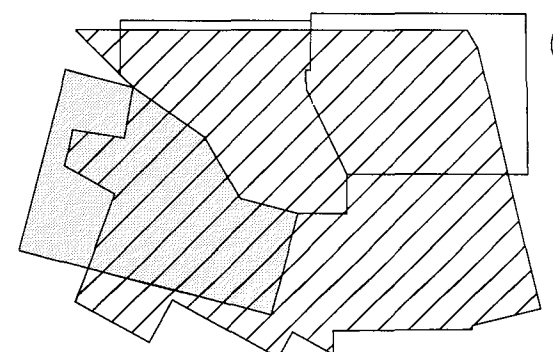
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DRAWING TITLE:
UTILITY PLAN
(SHEET 3 OF 3)

8 of 21
SHEET No: **C3.2**
JOB No: 1022-19
DRAWING No:



MATCHLINE (SEE SHEET C4.1)

MATCHLINE (SEE SHEET C4.1)

NYS ROUTE 21 - BRISTOL ROAD

N/F
ROBERT J. & ANN M.
GANNON
T.M.# 97.02-01-47
3133 NYS RTE. 21

N/F
SHERYL LYNN RIDLEY
T.M.# 97.02-01-45
3137 NYS RTE. 21
PARCEL "A" PER FM 5782

N/F
SHARON RIDLEY
T.M.# 97.02-01-48
3135 NYS RTE. 21
PARCEL "B" PER FM 5782

N/F
SHARON RIDLEY
T.M.# 87.02-01-46
3135 NYS RTE. 21
PARCEL "B" PER FM 5780

N/F
ROBERT C. ST JOHN
DONAFAYE ZOLL
T.M.# 97.02-01-44
3179 NYS RTE. 21
PER FM 9737

MATCHLINE (SEE SHEET C3.1)



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PRELIMINARY OVERALL PLANS
for
PIERCE BROOK SUBDIVISION

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JOB NO: 1022-19
SCALE: 1"=50'
DRAWN: CMP
DESIGNED: RJT
DATE: 5/21/21

REVISIONS		
DATE	BY	REVISION
08/20/21	CP	TOWN COMMENTS

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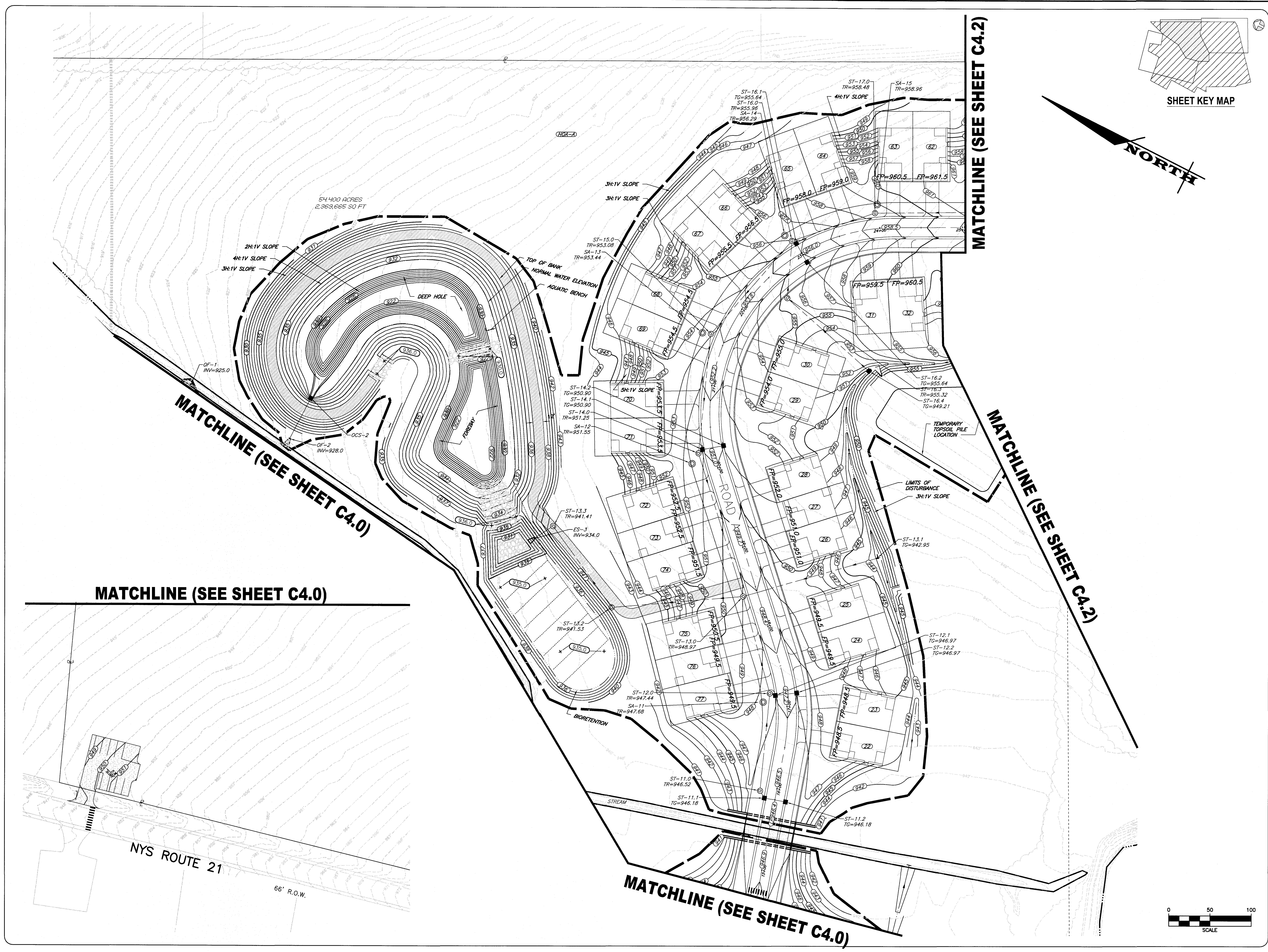


ROBERT P. BRINGLEY

DRAWING TITLE:
GRADING PLAN
(SHEET 1 OF 3)

9 of 21	C4.0
SHEET No:	
1022-19	DRAWING No:
JOB No:	

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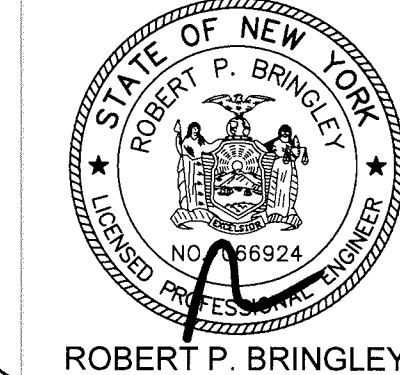
JOB NO: 1022-19
SCALE: 1"=50'
DRAWN: CMP
DESIGNED: RJT
DATE: 5/21/21

REVISIONS

DATE	BY	REVISION
08/20/21	CP	TOWN COMMENTS

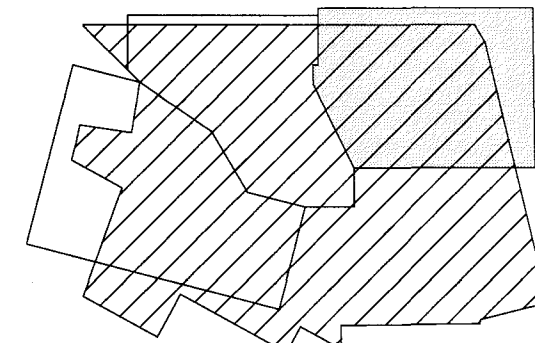
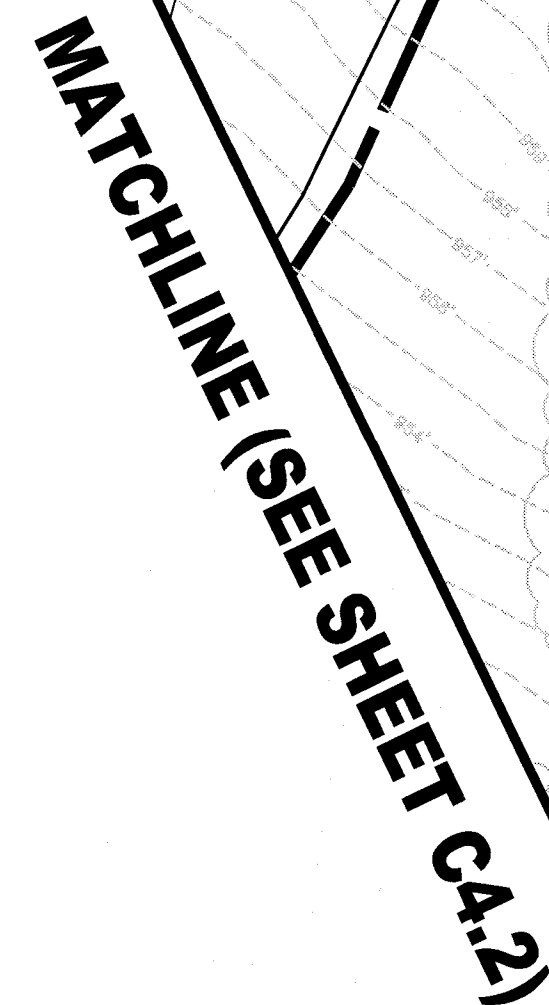
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DRAWING TITLE:
**GRADING PLAN
(SHEET 2 OF 3)**

10 of 21
SHEET No: **C4.1**
1022-19
JOB No: DRAWING No:



SHEET KEY MAP



PRELIMINARY OVERALL PLANS
for
PIERCE BROOK SUBDIVISION

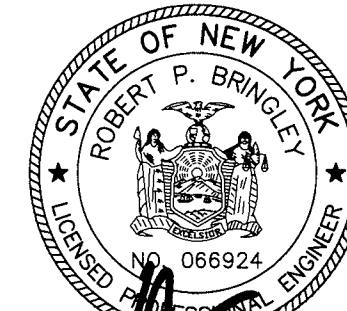
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PARRISH STREET EXTENSION, T.A.NO. 97.00-2-2
TOWN OF CANANDAIGUA ONTARIO COUNTY STATE OF NEW YORK

JOB NO: 1022-19
SCALE: 1"=50'
DRAWN: CMP
DESIGNED: RJT
DATE: 5/21/21

[illegible]

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DRAWING TITLE:
GRADING PLAN
(SHEET 3 OF 3)

11 of 21
SHEET No:

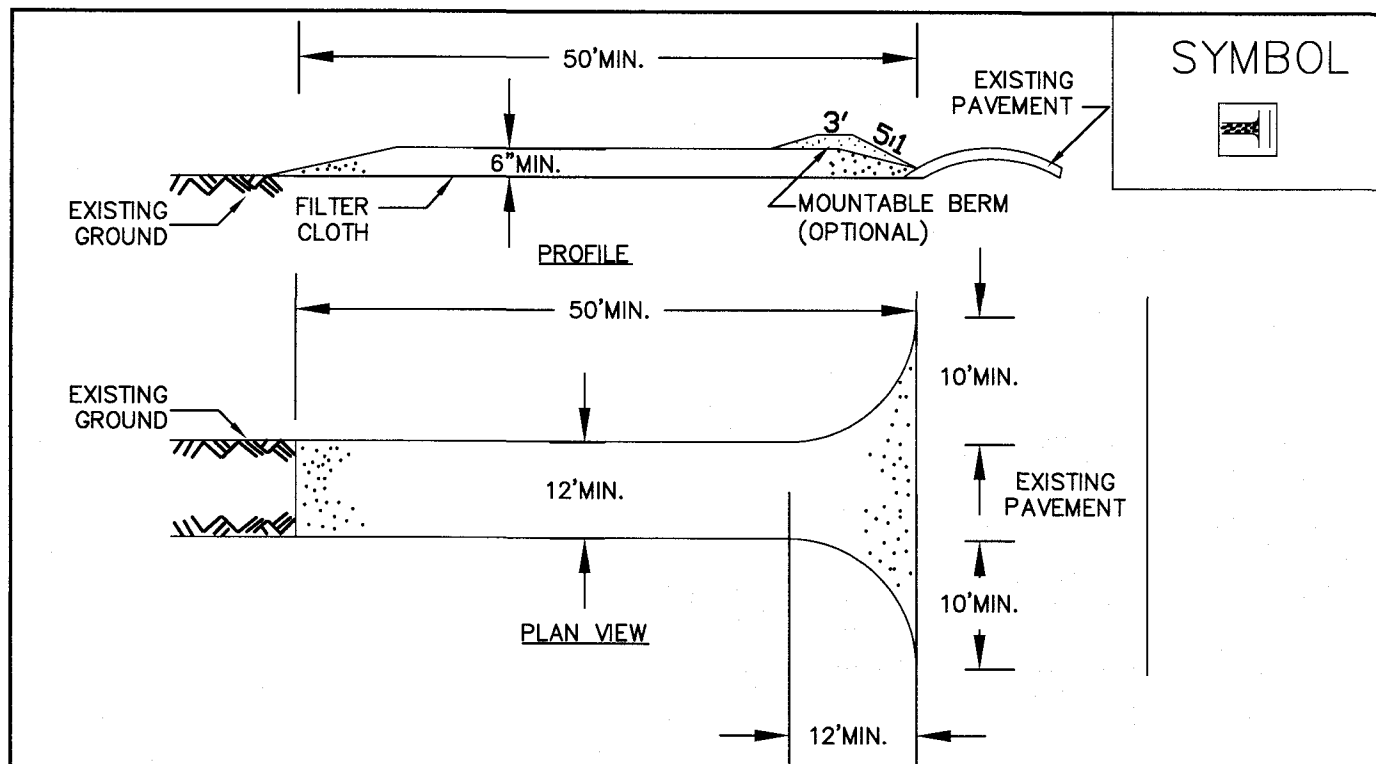
1022-19

JOB No:

C4.2

DRAWING No.

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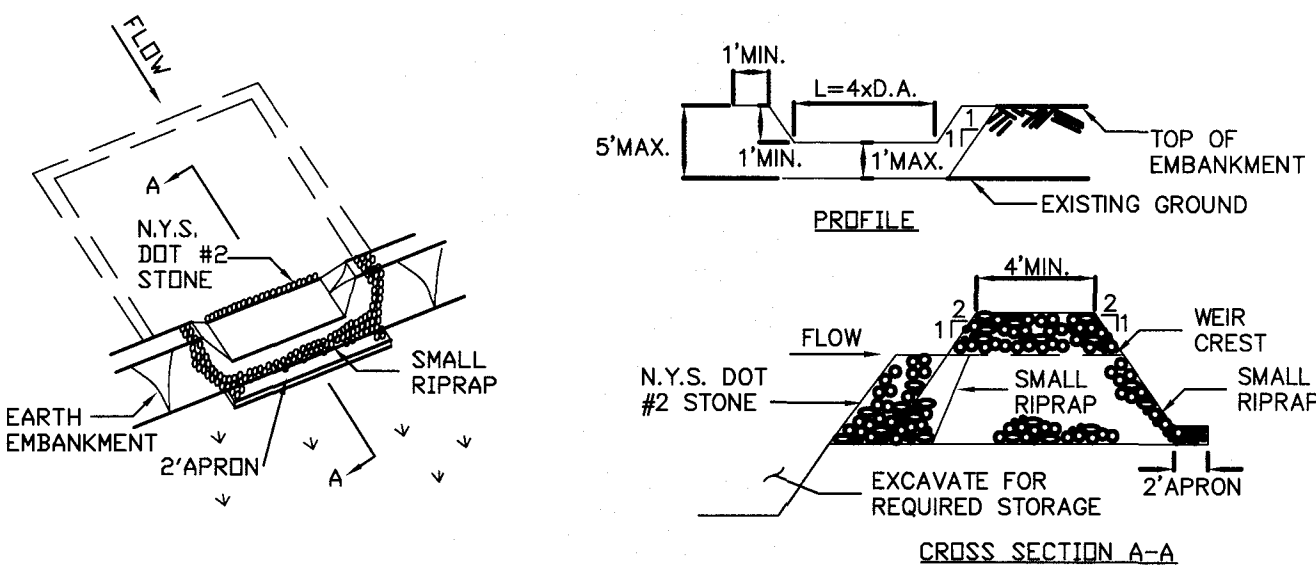


CONSTRUCTION SPECIFICATIONS

- 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 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 PUBLIC RIGHTS-OF-WAY, ALL SEDIMENT SPILLED, DROPPED, TACKED, OR WASHED 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.

U.S. DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE

STABILIZED
CONSTRUCTION
ENTRANCE



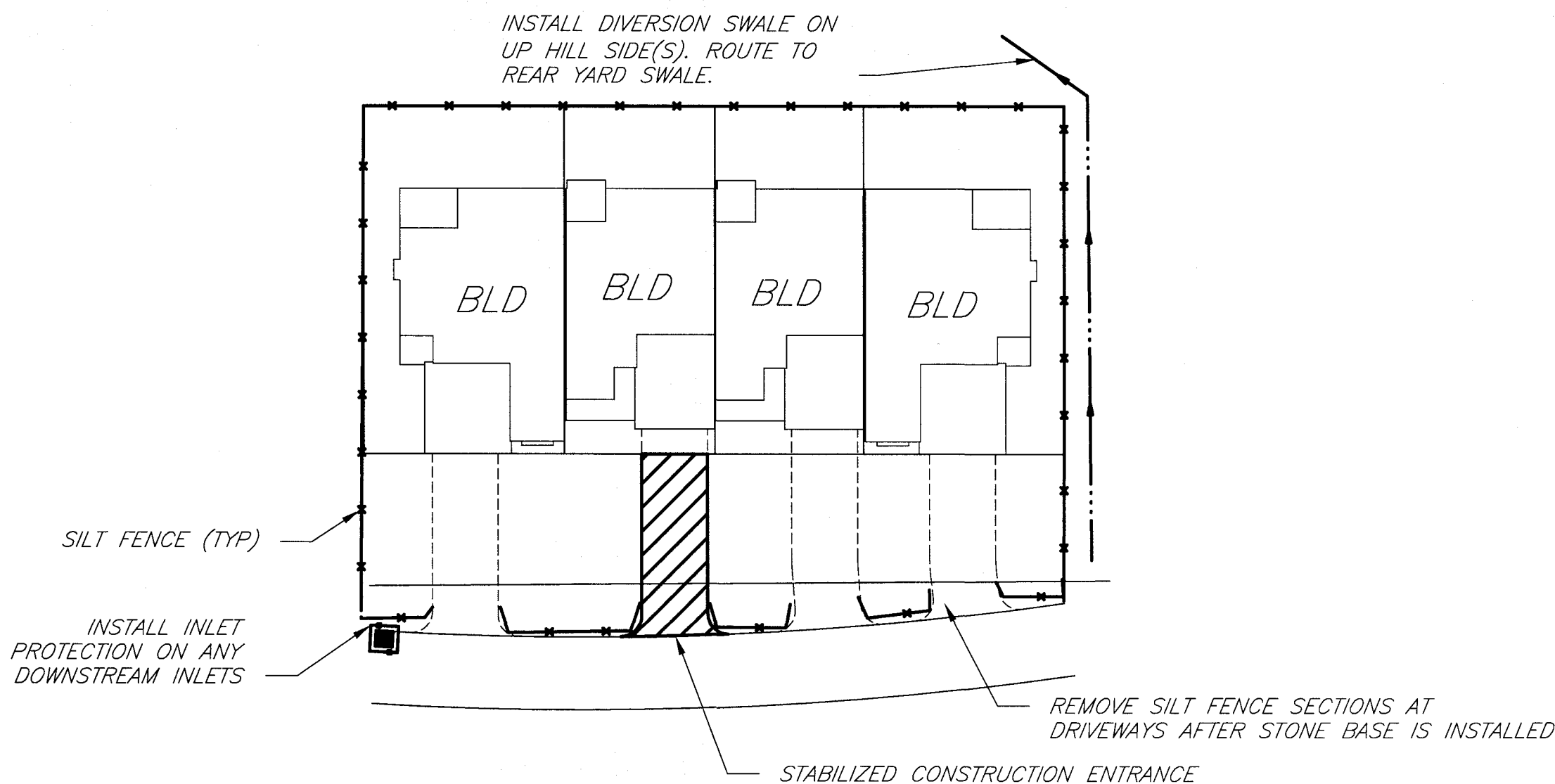
CONSTRUCTION SPECIFICATIONS

- 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 AND OTHER WOODY VEGETATION AS WELL AS OVER-SIZED STONES, ROCKS, ORGANIC MATERIAL OR OTHER OBJECTIONABLE MATERIAL. THE EMBANKMENT SHALL BE COMPACTED BY TRAVERSING WITH EQUIPMENT WHILE IT IS BEING CONSTRUCTED.
- ALL CUT AND FILL SLOPES SHALL BE 2:1 OR FLATTER.
- THE STONE USED IN THE OUTLET SHALL BE SMALL RIPRAP 4"-8" ALONG WITH A 1" THICKNESS OF 2" AGGREGATE PLACED ON THE UP-DRAIN SIDE ON THE SMALL RIPRAP OR EMBEDDED FILTER CLOTH IN THE RIPRAP.
- SEDIMENT SHALL BE REMOVED AND TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO 1/2 THE DESIGN DEPTH OF THE TRAP. IT SHALL BE PLACED ON SITE AND STABILIZED.
- 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 SEDIMENT ARE CONTROLLED.
- THE STRUCTURE SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.

MAXIMUM DRAINAGE AREA 5 ACRES

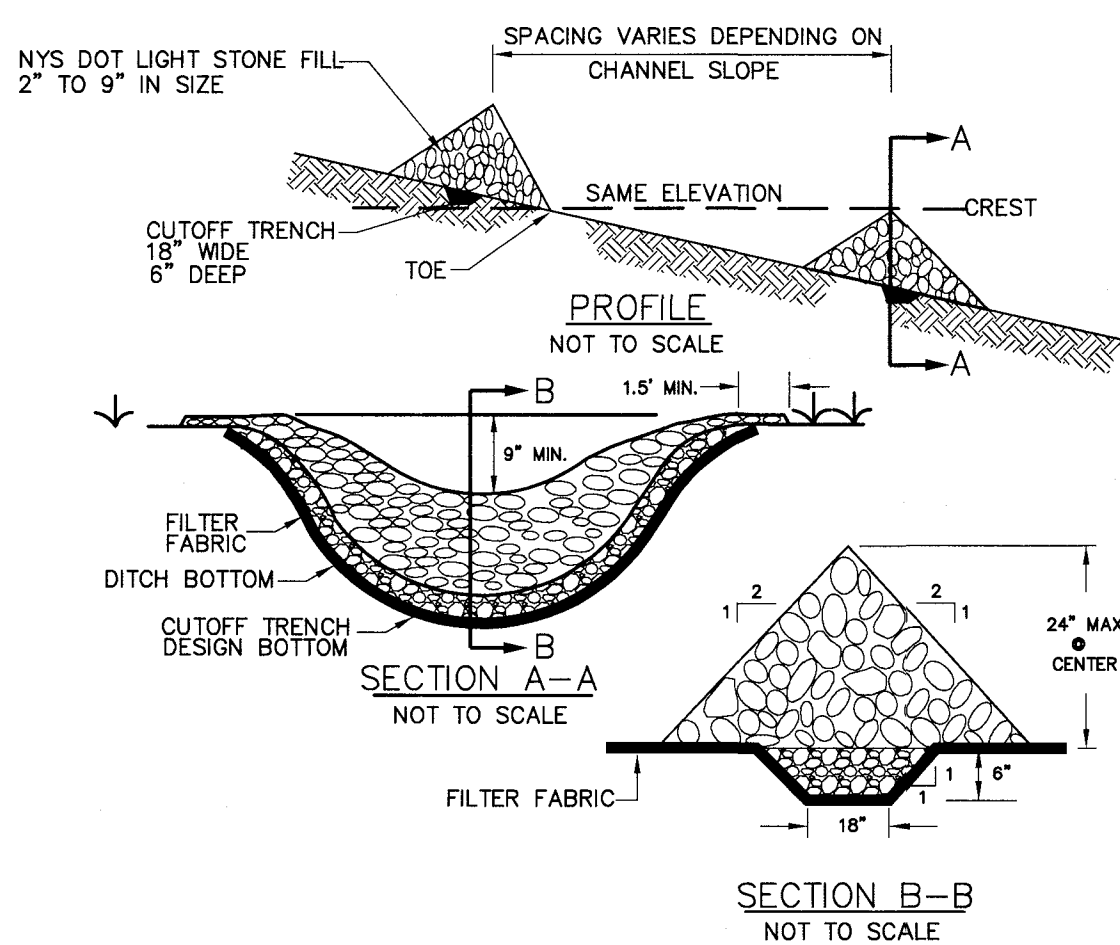
4 TEMPORARY SEDIMENTATION TRAP

SCALE: N.T.S.



7 TYP. BUILDING CONSTRUCTION EROSION CONTROL DETAIL

SCALE: N.T.S.



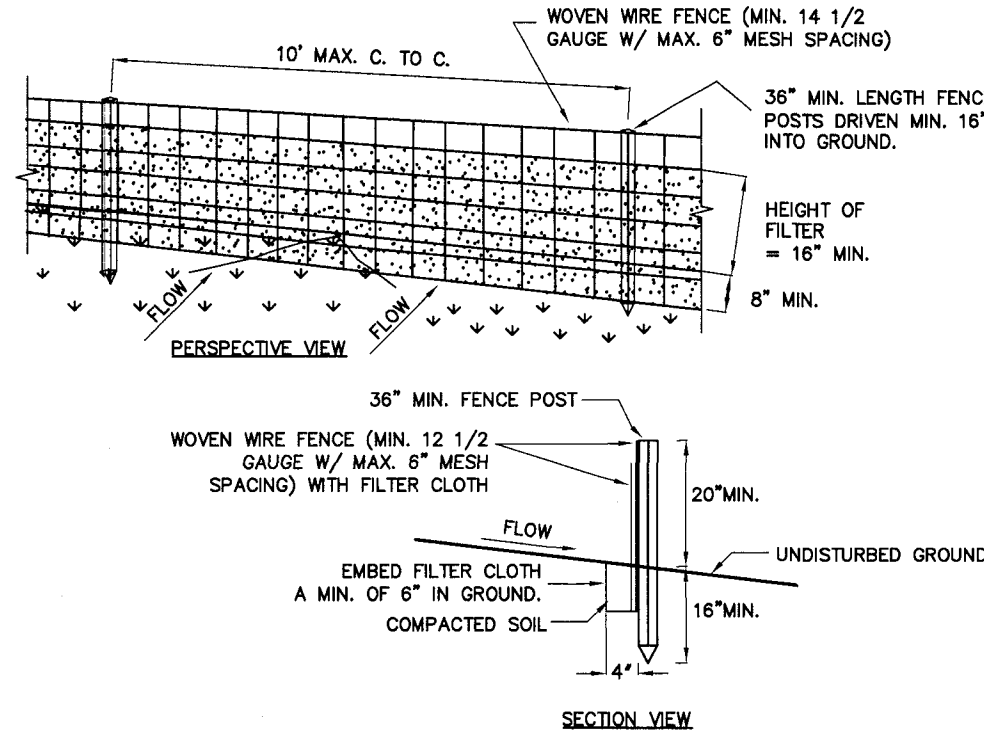
CONSTRUCTION SPECIFICATIONS

- STONE WILL BE PLACED ON A FILTER FABRIC FOUNDATION TO THE LINES, GRADES AND LOCATION SHOWN ON 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 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 OF BLOCKAGE FROM DISPLACED STONES.

MAXIMUM DRAINAGE AREA - 2 ACRES

2 STONE CHECK DAM

SCALE: N.T.S.

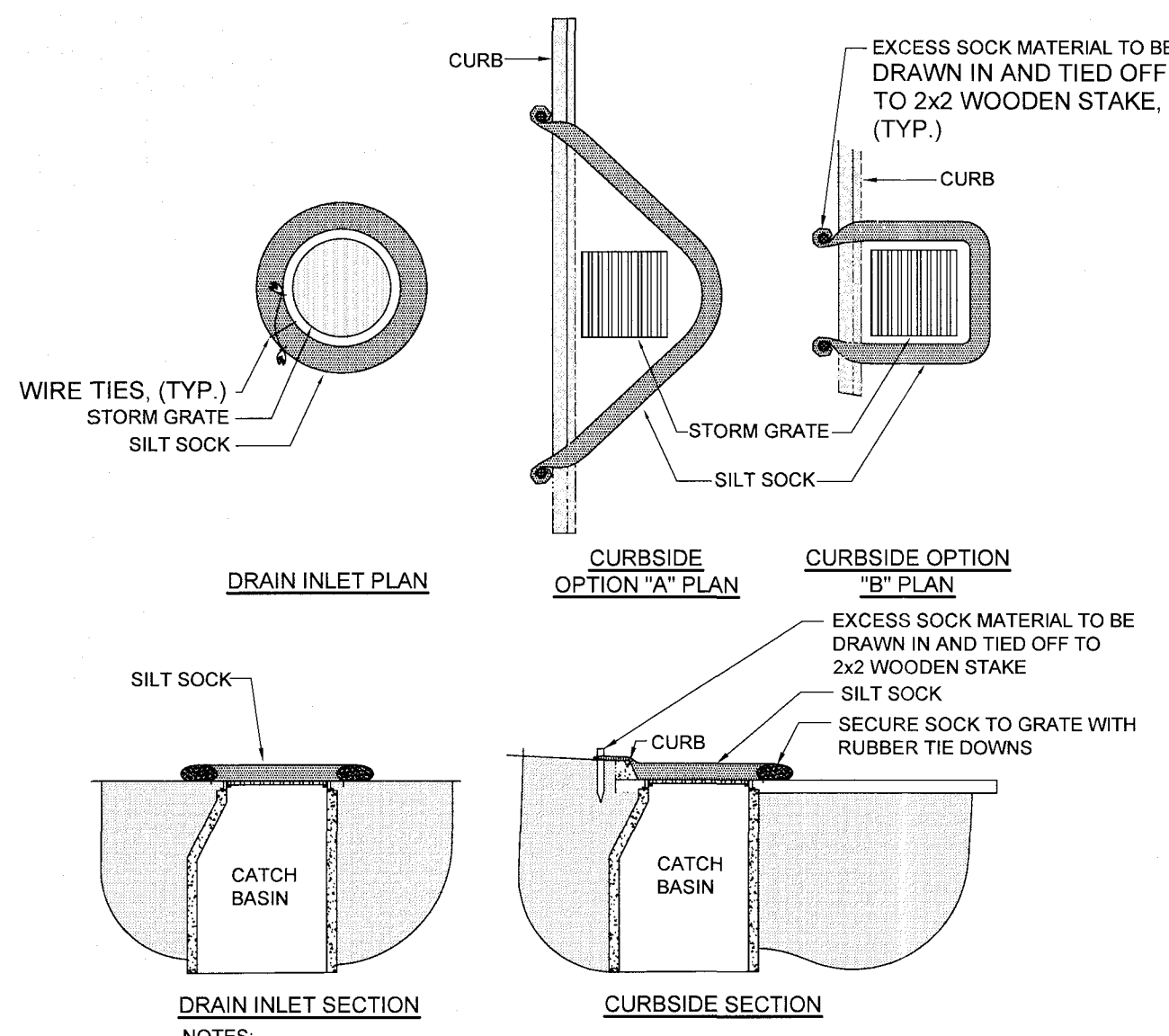


CONSTRUCTION SPECIFICATIONS

- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL "T" OF "U" TYPE OF HARDWOOD.
- FILTER CLOTH 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 OVERLAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAF 100X, STABILUNKA T140N, OR APPROVED EQUIVALENT.
- PREFABRICATED UNITS SHALL BE GEOFAB, ENVROFENCE, OR APPROVED EQUIVALENT.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
- ENVIRO-FENCE WITH INTEGRAL MESH IS AN ACCEPTABLE SUBSTITUTE.

5 SILT FENCE

SCALE: N.T.S.

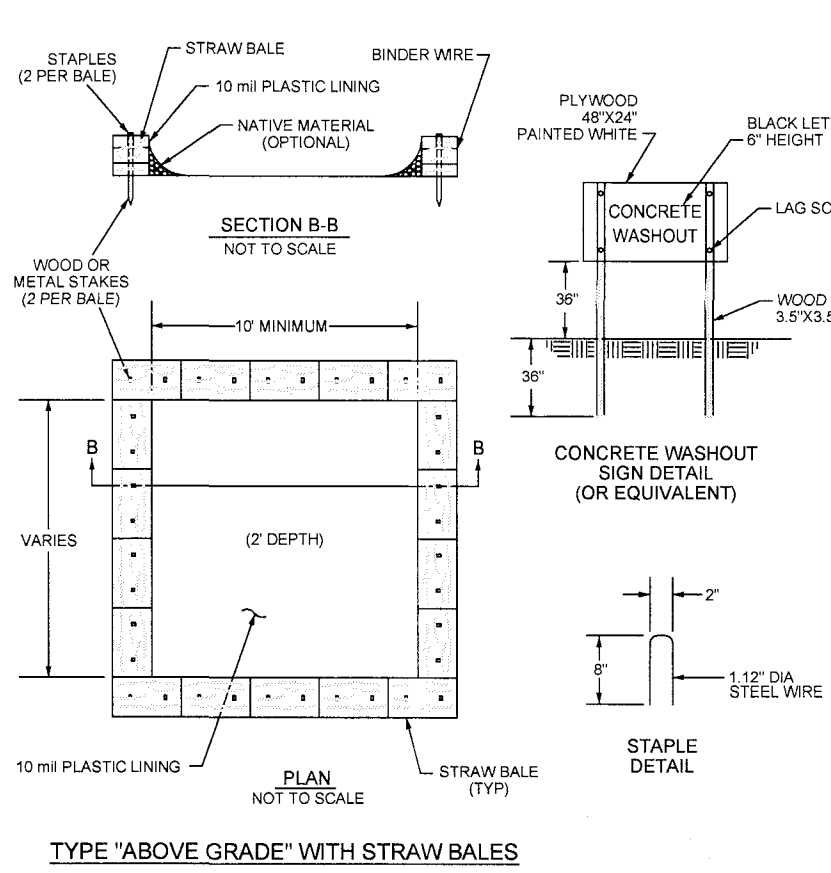


NOTES

- USE FILTREXX® SILT-SOXX™ OR APPROVED EQUAL.
- FILTER MEDIA™ FILL TO MEET APPLICATION REQUIREMENTS.
- COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER.

9 PAVED SURFACE INLET PROTECTION

SCALE: N.T.S.

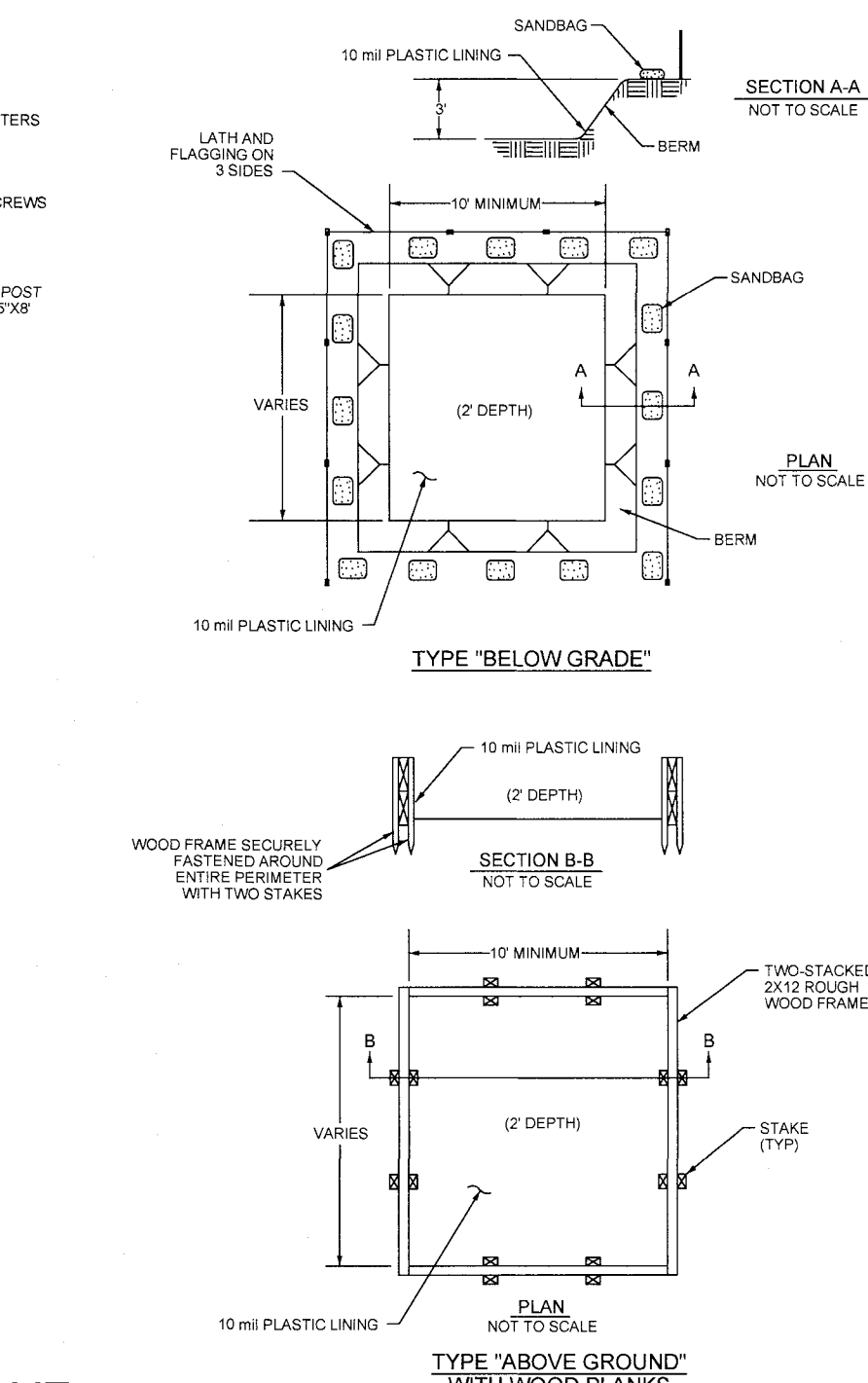


NOTES

- ACTUAL LAYOUT TO BE DETERMINED IN THE FIELD.
- A CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 50' OF THE TEMPORARY CONCRETE WASHOUT FACILITY.
- MATERIALS USED TO CONSTRUCT TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE REMOVED FROM THE SITE OF THE WORK AND DISPOSED OF OR RECYCLED.
- HOLES, DEPRESSIONS OR OTHER GROUND DISTURBANCE CAUSED BY THE REMOVAL OF THE TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE BACKFILLED, REPAIRED, AND STABILIZED TO PREVENT EROSION.

3 CONCRETE WASHOUT

SCALE: N.T.S.



SOIL RESTORATION REQUIREMENTS		
TYPE OF SOIL DISTURBANCE	RESTORATION REQUIREMENTS	COMMENTS/EXAMPLES
NO SOIL DISTURBANCE	RESTORATION NOT REQUIRED	PRESERVATION OF NATURAL FEATURES
MINIMAL SOIL DISTURBANCE	RESTORATION IS NOT REQUIRED	CLEARING & GRUBBING
AREAS WHERE TOPSOIL IS STRIPPED ONLY - NO CHANGE TO GRADE	HSG A & B APPLY 6 INCHES OF TOPSOIL HSG C & D APPLY 6 INCHES OF TOPSOIL	PROTECT AREA FROM ANY ONGOING CONSTRUCTION ACTIVITIES
AREAS OF CUTS OR FILLS	HSG A & B AERATE & APPLY 6 INCHES OF TOPSOIL	APPLY FULL SOIL RESTORATION**
HEAVY TRAFFIC AREAS (ESPECIALLY WITHIN A ZONE OF 5-25 FEET AROUND BUILDINGS, BUT NOT WITHIN 5 FEET OF THE FOUNDATION WALLS)	APPLY FULL SOIL RESTORATION (DE-COMPACTION & COMPOST ENHANCEMENT)	KEEP CONSTRUCTION EQUIPMENT FROM CROSSING THESE AREAS TO PROTECT NEWLY INSTALLED PRACTICES FROM ANY ONGOING CONSTRUCTION ACTIVITIES. CONSTRUCT A SINGLE PHASE OPERATION FENCE AREA.
AREAS WHERE RUNOFF REDUCTION AND/OR INFILTRATION PRACTICES ARE APPLIED	SOIL RESTORATION IS NOT REQUIRED, BUT MAY BE APPLIED TO ENHANCE THE REDUCTION OF RUNOFF FOR APPROPRIATE PRACTICES	
REDEVELOPMENT PROJECTS	SOIL RESTORATION IS REQUIRED ON REDEVELOPMENT PROJECTS IN AREAS WHERE EXISTING IMPERVIOUS AREAS WILL BE CONVERTED TO PERVIOUS	

*Aeration includes the use of machines such as tractor-drawn implements with coulters making a narrow slit in the soil, a roller with many spikes making indentations in the soil, or prongs which function like a mini-subsoiler.

** Per "Deep Ripping and De-compaction, DEC 2008".

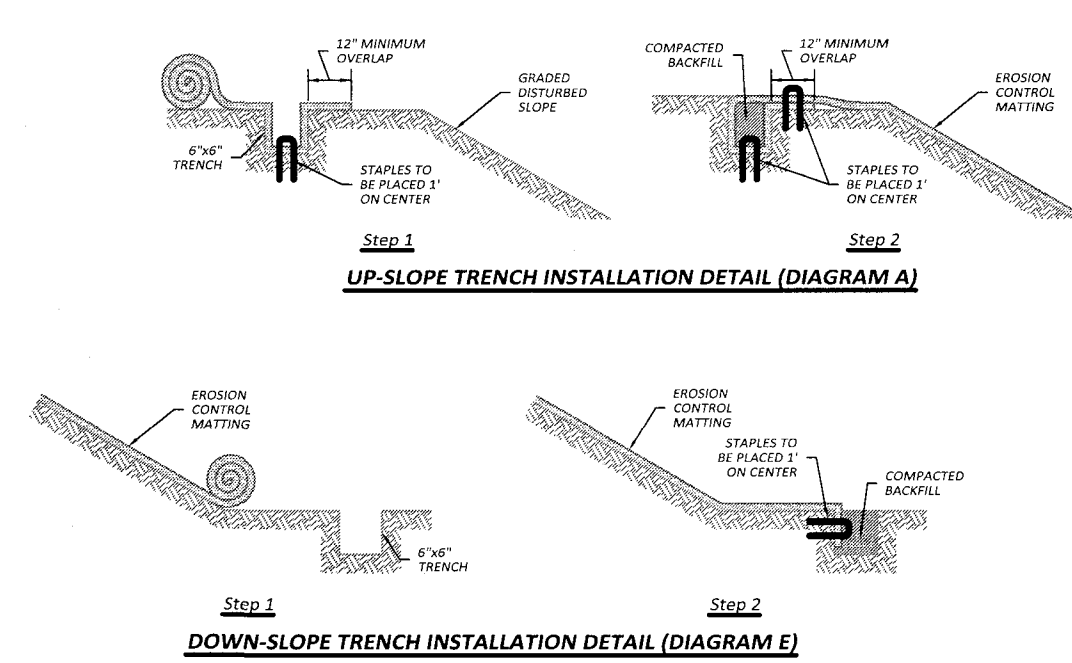
NOTES:

- DURING PERIODS OF RELATIVELY LOW TO MODERATE SUBSOIL MOISTURE, THE DISTURBED SUBSOILS ARE RETURNED TO ROUGH GRADE AND THE FOLLOWING SOIL RESTORATION STEPS APPLIED:
 - APPLY 3 INCHES OF COMPOST OVER SUBSOIL.
 - TILL COMPOST INTO SUBSOIL TO A DEPTH OF AT LEAST 12 INCHES USING A CAT-MOUNTED RIPPER, TRACTOR-MOUNTED DISC, OR TILLER, MIXING, AND CIRCULATING AIR AND COMPOST INTO SUBSOILS
 - ROCK-PICK UNTIL UPLIFTED STONE/ROCK MATERIALS OF FOUR INCHES AND LARGER SIZE ARE CLEARED OFF THE SITE.
 - APPLY TOPSOIL TO A DEPTH OF 6 INCHES

**SOIL RESTORATION APPLIES TO ALL DISTURBED AREAS THAT ARE TO REMAIN AS PERVIOUS AREAS AFTER FINAL CONSTRUCTION.

6 SOIL RESTORATION

SCALE: N.T.S.



CONSTRUCTION DETAILS:

- DIG A 6" BY 6" TRENCH BOTH UP-SLOPE AND DOWN-SLOPE OF THE AREA THE MATING IS TO BE APPLIED. PREPARE THE SLOPE SOIL SURFACE (RAVING, SEEDING AND FERTILIZING).
- BEGIN BY PLACING THE BLANKET A MINIMUM OF 12" DOWN-SLOPE OF THE UP-SLOPE TRENCH. SECURE THE BLANKET AT THE BOTTOM OF THE TRENCH WITH STAPLES PLACED 12" APART. BACKFILL AND COMPACT THE TRENCH. APPLY SEED, AND FOLD THE BLANKET OVER SOIL. SECURE WITH A ROW OF STAPLES PLACED 12" APART ACROSS THE WIDTH OF THE BLANKET. (SEE DIAGRAM A)
- ROLL THE BLANKET VERTICALLY DOWN THE SLOPE. SECURE USING THE APPROPRIATE STAPLE PATTERN BELOW, SPECIFIED BY SLOPE. (SEE STAPLE PATTERNS)
- PARALLEL BLANKETS MUST BE OVERLAPPED BY A MINIMUM OF 4", AND SECURED WITH A ROW OF STAPLES PLACED APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE BLANKETS.
- ADDITIONAL VERTICAL BLANKETS CAN BE JOINED USING A MINIMUM 4" OVERLAPPING OR SHINGLE STYLE (SEE DIAGRAMS C) IN THE DIRECTION OF WATER FLOW. CONNECT THE BLANKETS BY PLACING STAPLES APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE BLANKETS.
- FOR MAXIMUM PERFORMANCE A CHECK SLOT SHOULD BE PLACED AT 25'-40' INTERVALS. PLACE A ROW OF STAPLES 4" APART ALONG THE ENTIRE WIDTH OF THE SLOPE. A SECOND ROW SHOULD BE PLACED 4" BELOW IN A STAGGERED PATTERN. THEN CONTINUE WITH GENERAL INSTALLATION. (SEE DIAGRAMS D)
- THE END OF BLANKET MUST BE SECURED IN A 6" X 6" TRENCH WITH A ROW OF STAPLES PLACED AT 12" INTERVALS. (DIAGRAM E)

8 EROSION CONTROL BLANKET

SCALE: N.T.S.

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PRELIMINARY OVERALL PLANS for PIERCE BROOK SUBDIVISION

STATE ROUTE 21 SOUTH, T.A. NO. 97.02-152.1 PARRISH STREET EXTENSION, T.A.NO.
TOWN OF CANANDAIGUA ONTARIO COUNTY STATE OF NEW YORK

JOB NO: 1022-19
SCALE: NTS
DRAWN: CMP
DESIGNED: RJT
DATE: 5/21/21

REVISIONS

DATE	BY	REVISION
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01/02/20	CP	

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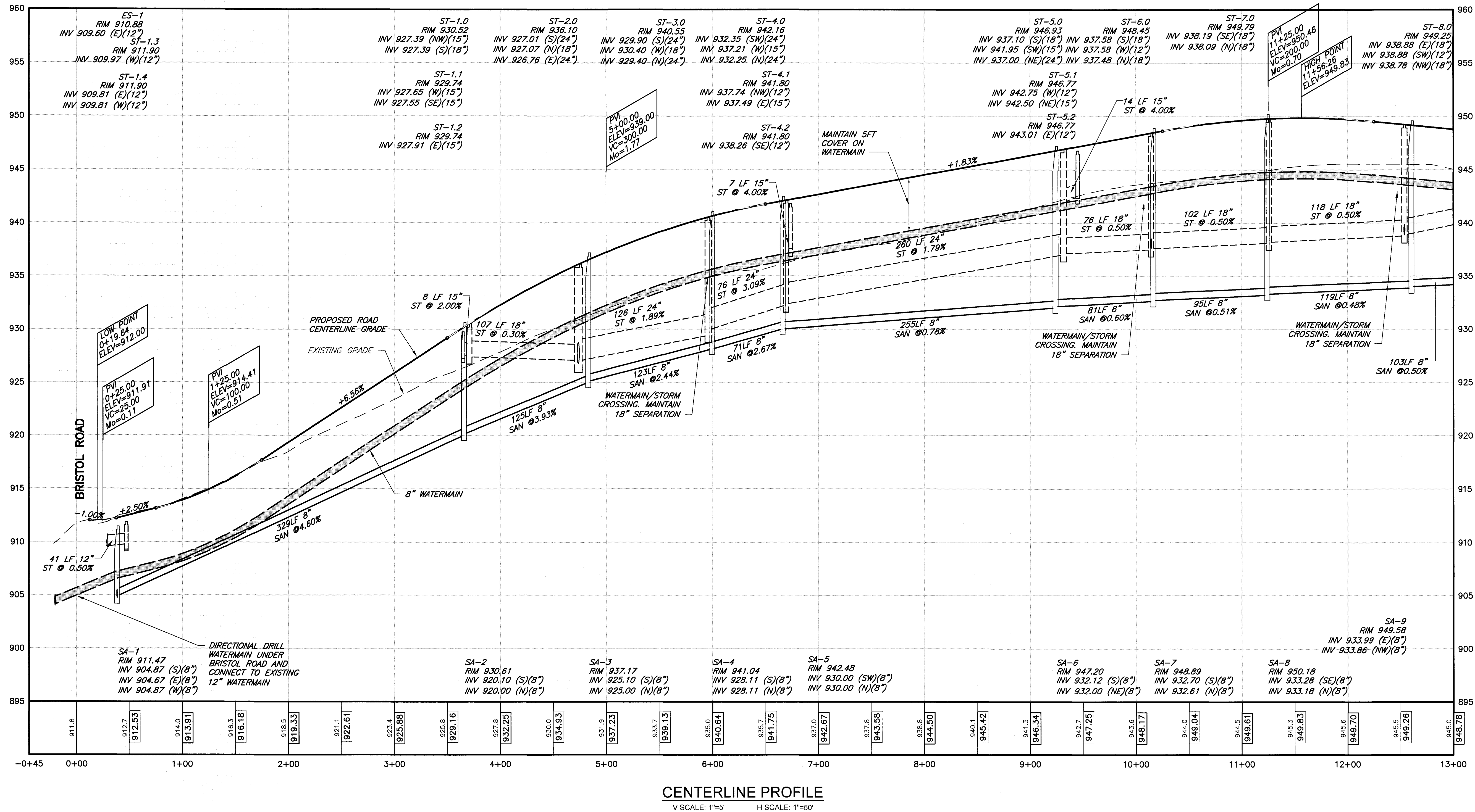
STATE OF NEW YORK
ROBERT P. BRINGLEY
LICENSED PROFESSIONAL ENGINEER
NO. 86924

ROBERT P. BRINGLEY

DRAWING TITLE:
EROSION AND
SEDIMENT
CONTROL DETAILS

13 of 21
SHEET No: C5.1
1022-19
JOB No: DRAWING No:

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V SCALE: 1"=5' H SCALE: 1"=50'

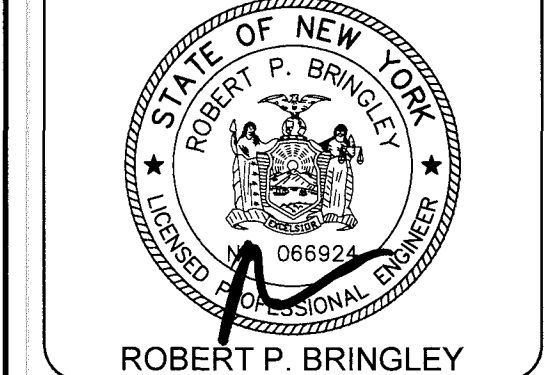
PRELIMINARY OVERALL PLANS
for
PIERCE BROOK SUBDIVISION
STATE ROUTE 21 SOUTH, T.A. NO. 97.02-1-52.1
PARRISH STREET EXTENSION, T.A. NO. 97.00-2-2
TOWN OF CANANDAIGUA
ONTARIO COUNTY
STATE OF NEW YORK

JOB NO: 1022-19
SCALE: AS SHOWN
DRAWN: CMP
DESIGNED: RJT
DATE: 5/21/21

REVISIONS		
DATE	BY	REVISION
08/20/21	CP	TOWN COMMENTS

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**CENTERLINE
PROFILE (SHEET 1
OF 3)**
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SHEET No: **C6.0**
1022-19
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PRELIMINARY OVERALL PLANS
for
PIERCE BROOK SUBDIVISION

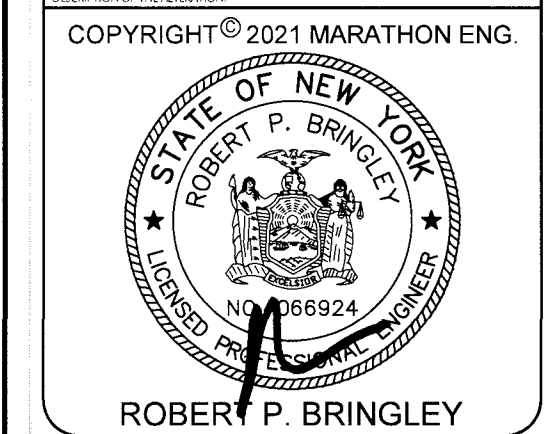
STATE ROUTE 21 SOUTH, T.A. NO. 97.02-1-52.1
PARRISH STREET EXTENSION, T.A. NO. 97.00-2-2

TOWN OF CANANDAIGUA ONTARIO COUNTY STATE OF NEW YORK

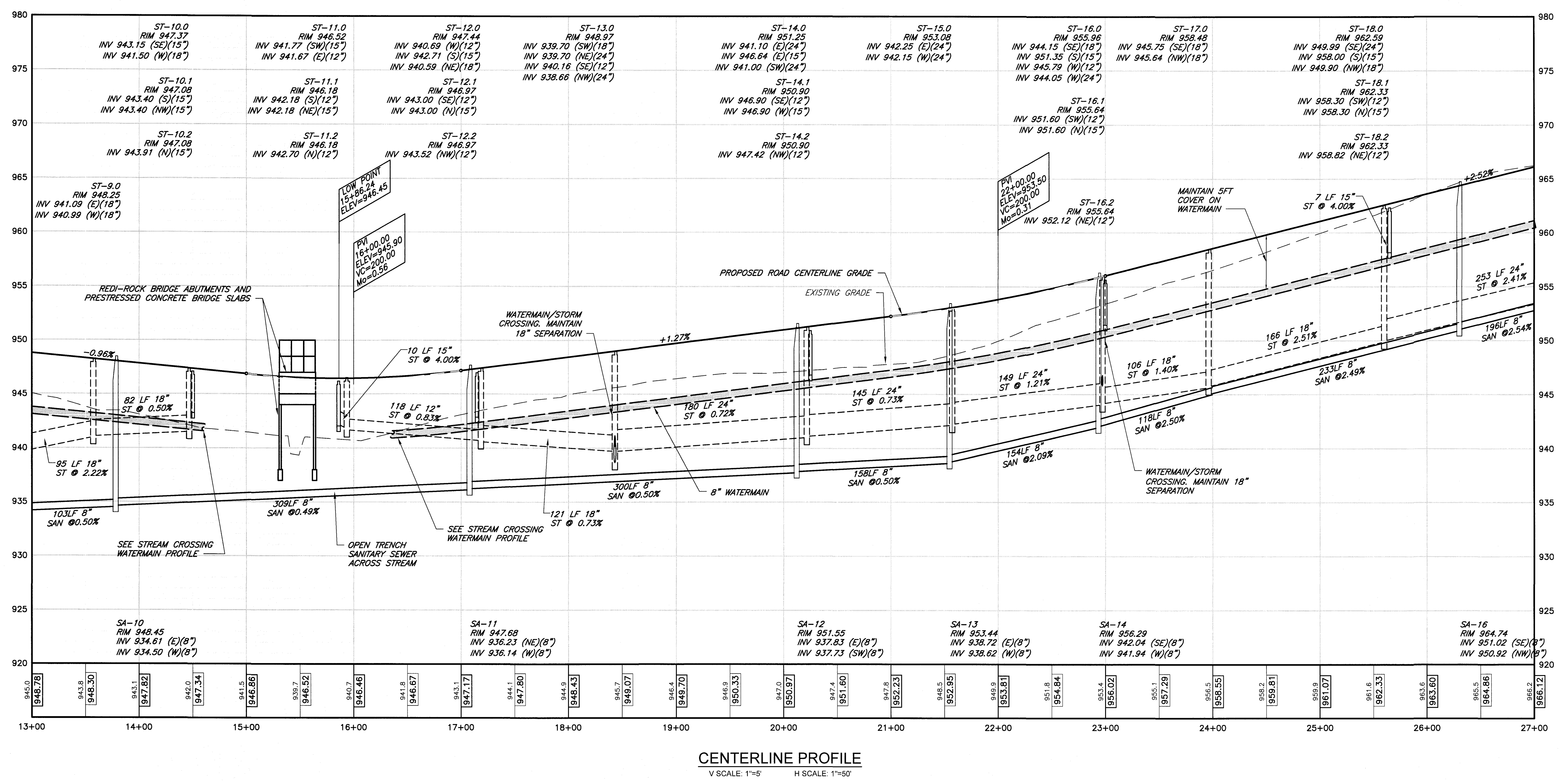
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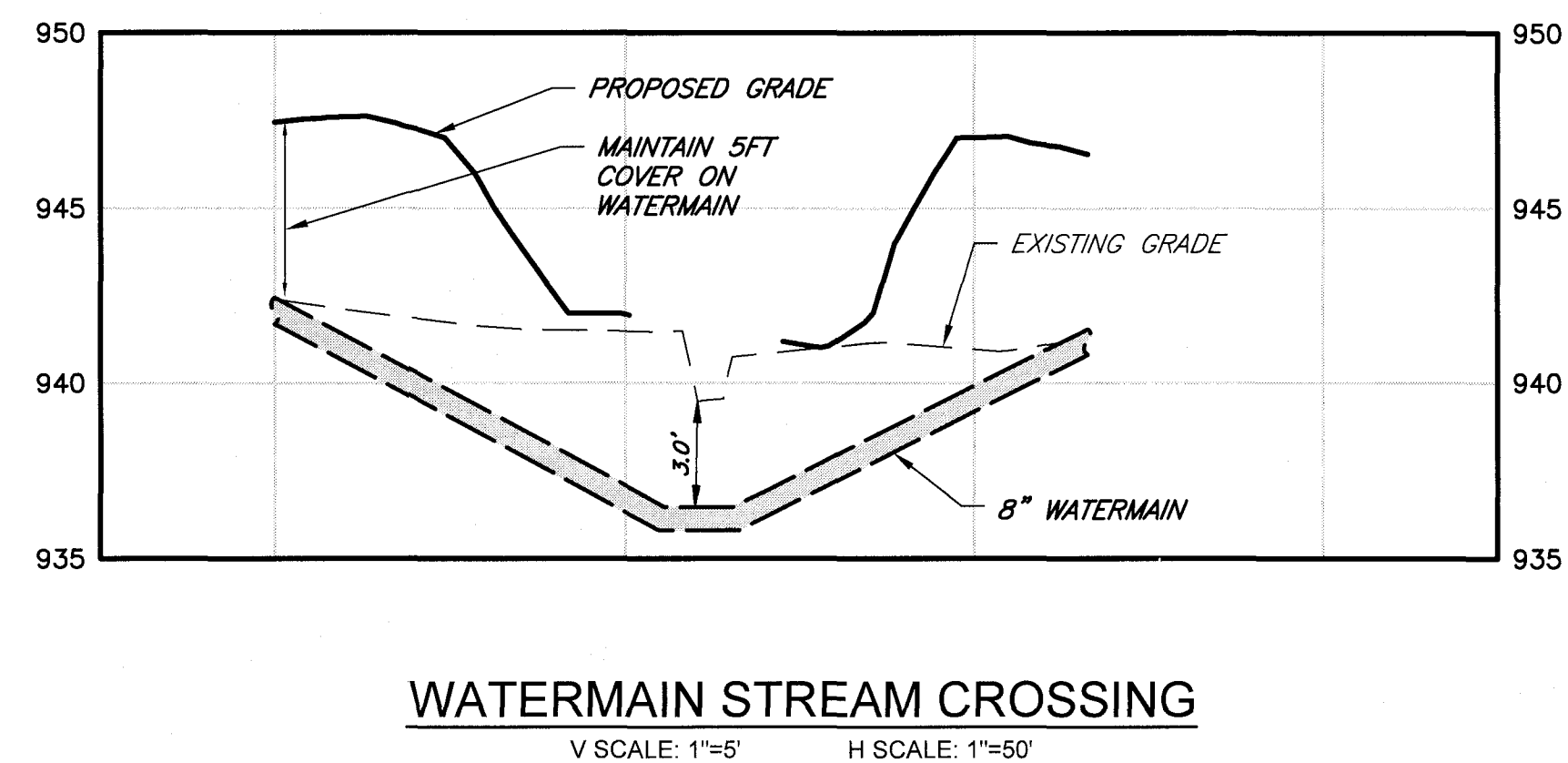
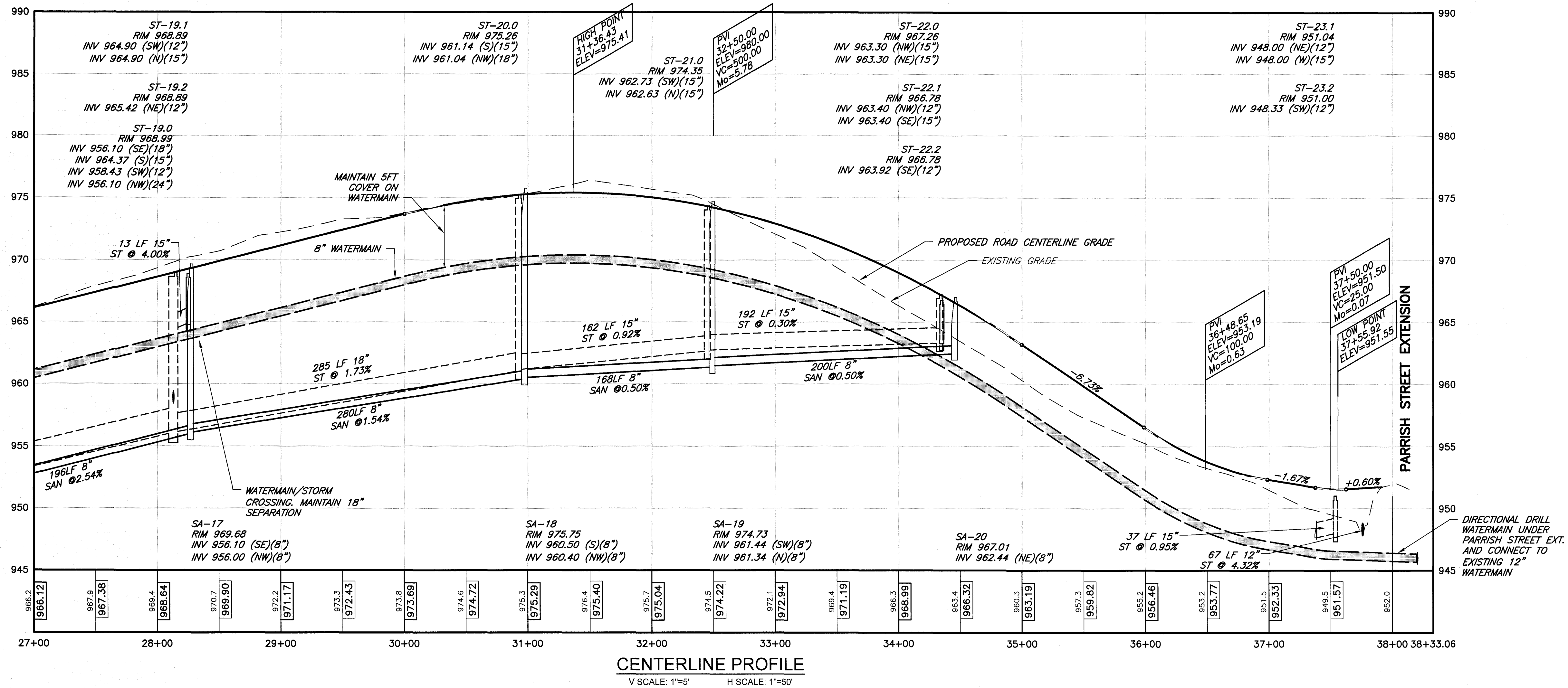
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PRELIMINARY OVERALL PLANS
for
PIERCE BROOK SUBDIVISION

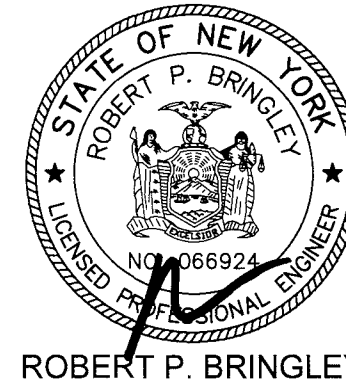
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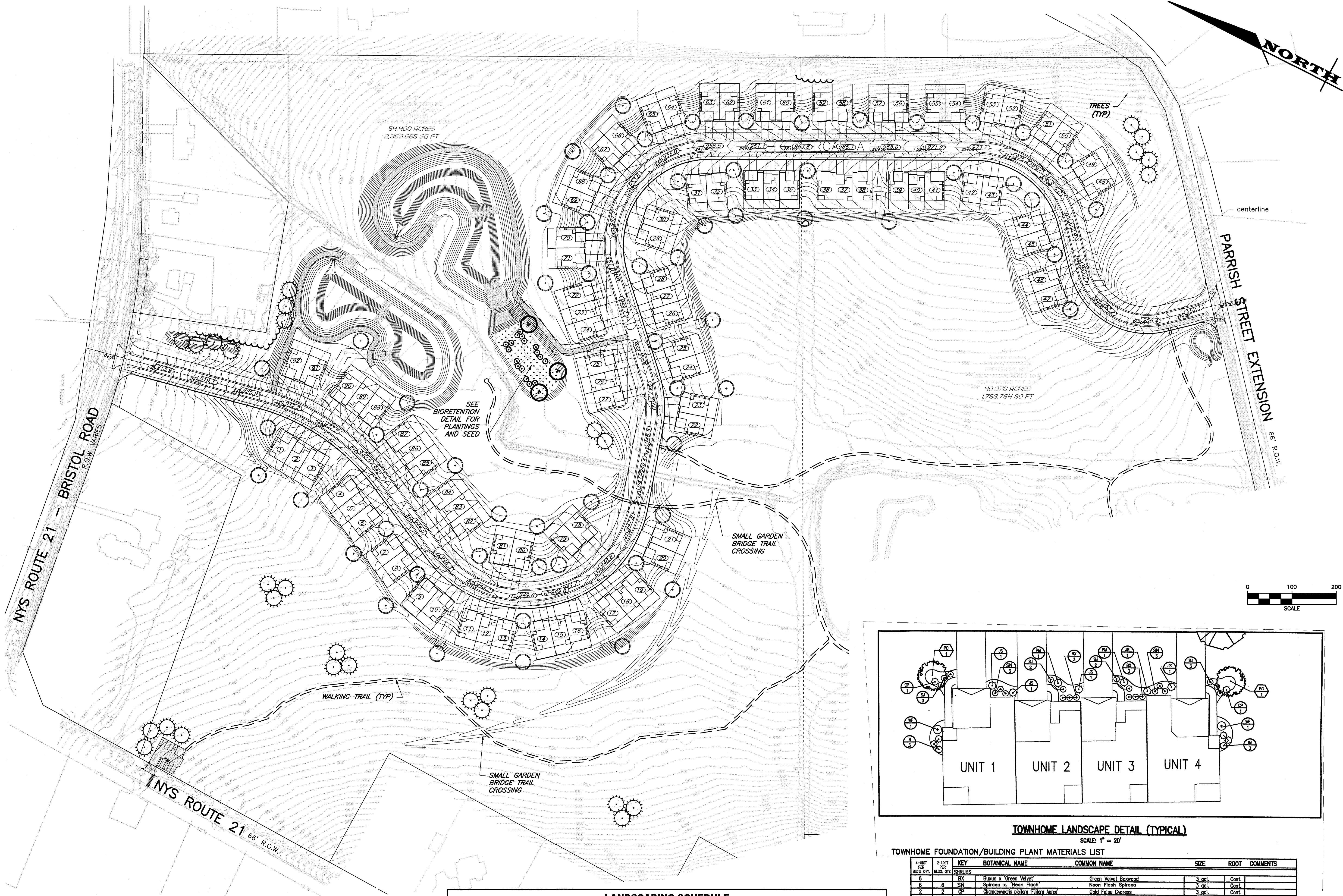
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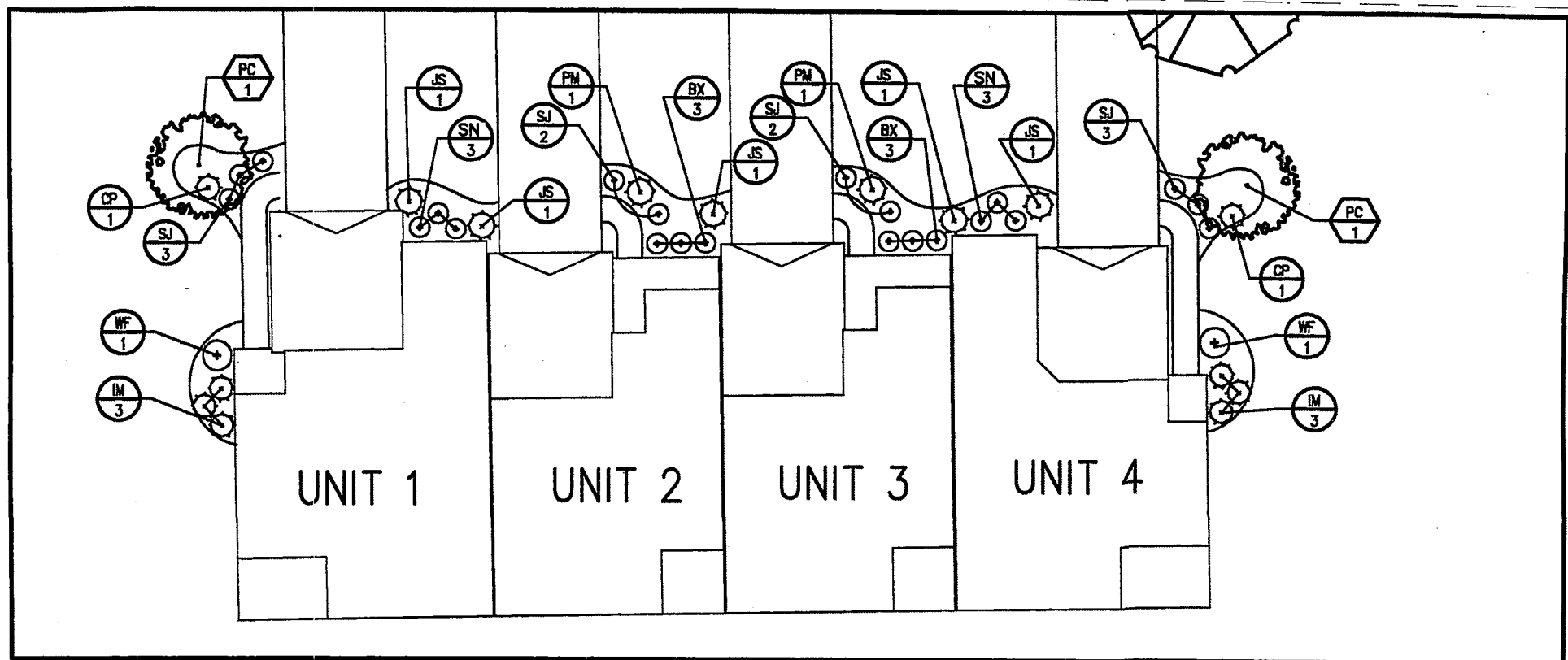
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JOB No: DRAWING No:

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LANDSCAPING SCHEDULE						
KEY	BOTANICAL NAME	COMMON NAME	QTY.	SIZE	ROOT	REMARKS
AR	ACER RUBRUM 'RED SUNSET'	RED SUNSET MAPLE	21	2 1/2 - 3" CALIPER	B&B	
AS	ACER SACCHARUM	SUGAR MAPLE	20	2 1/2 - 3" CALIPER	B&B	
QR	QUERCUS RUBRA	NORTHERN RED OAK	21	2 1/2 - 3" CALIPER	B&B	
PA	PICEA ABIES	NORWAY SPRUCE	30	6-7' HT	B&B	
BN	BETULA NIGRA	RIVER BIRCH	3	1 1/2" CALIPER	B&B	Bio-retention. 3 stem min.
CS	CORNUS SERICEA 'CARDINAL'	RED TWIG DOGWOOD	10	30"-36" HT.	#3 CONT.	Bio-retention
HY	HAMAMELIS VERNALIS	VERNAL WITCHHAZEL	7	30"-36" HT.	#3 CONT.	Bio-retention



TOWNHOME LANDSCAPE DETAIL (TYPICAL)

SCALE: 1" = 20'

TOWNHOME FOUNDATION/BUILDING PLANT MATERIALS LIST

4-UNT PER BLDG QTY.	2-UNT PER BLDG QTY.	KEY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	COMMENTS
6	6	BX	Buxus x 'Green Velvet'	Green Velvet Boxwood	3 gal.	Cont.	
6	6	SN	Spiraea x 'Neon Flash'	Neon Flash Spiraea	3 gal.	Cont.	
2	2	GP	Chamaecyparis platifolia 'Tiffany Aurea'	Gold False Cypress	3 gal.	Cont.	
6	6	IL	Ilex meserveae 'Blue Princess'	Blue Princess Blue Holly (R)	3 gal.	Cont.	
5	2	JS	Juniperus scopulorum 'Witchita Blue'	Witchita Blue Juniper	5 gal.	Cont.	
2	2	PM	Pinus mugo 'mugo'	Dwarf Mugo Pine	3 gal.	Cont.	
10	6	SJ	Spiraea japonica 'Little Princess'	Little Princess Spiraea	3 gal.	Cont.	
2	2	WF	Weigela florida	Old Fashioned Weigela	3 gal.	Cont.	
TREES							
2	1	PC	Pyrus calleryana 'Cleveland Select'	Cleveland Select Callery Pear	2" cal.	B&B	

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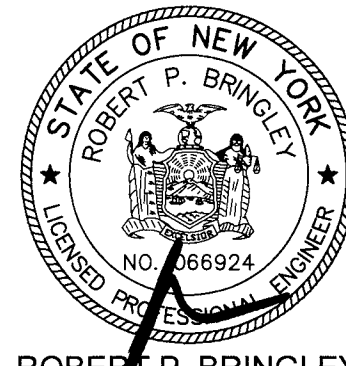
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SCALE: 1"=100'
DRAWN: CMP
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REVISIONS

DATE	BY	REVISION
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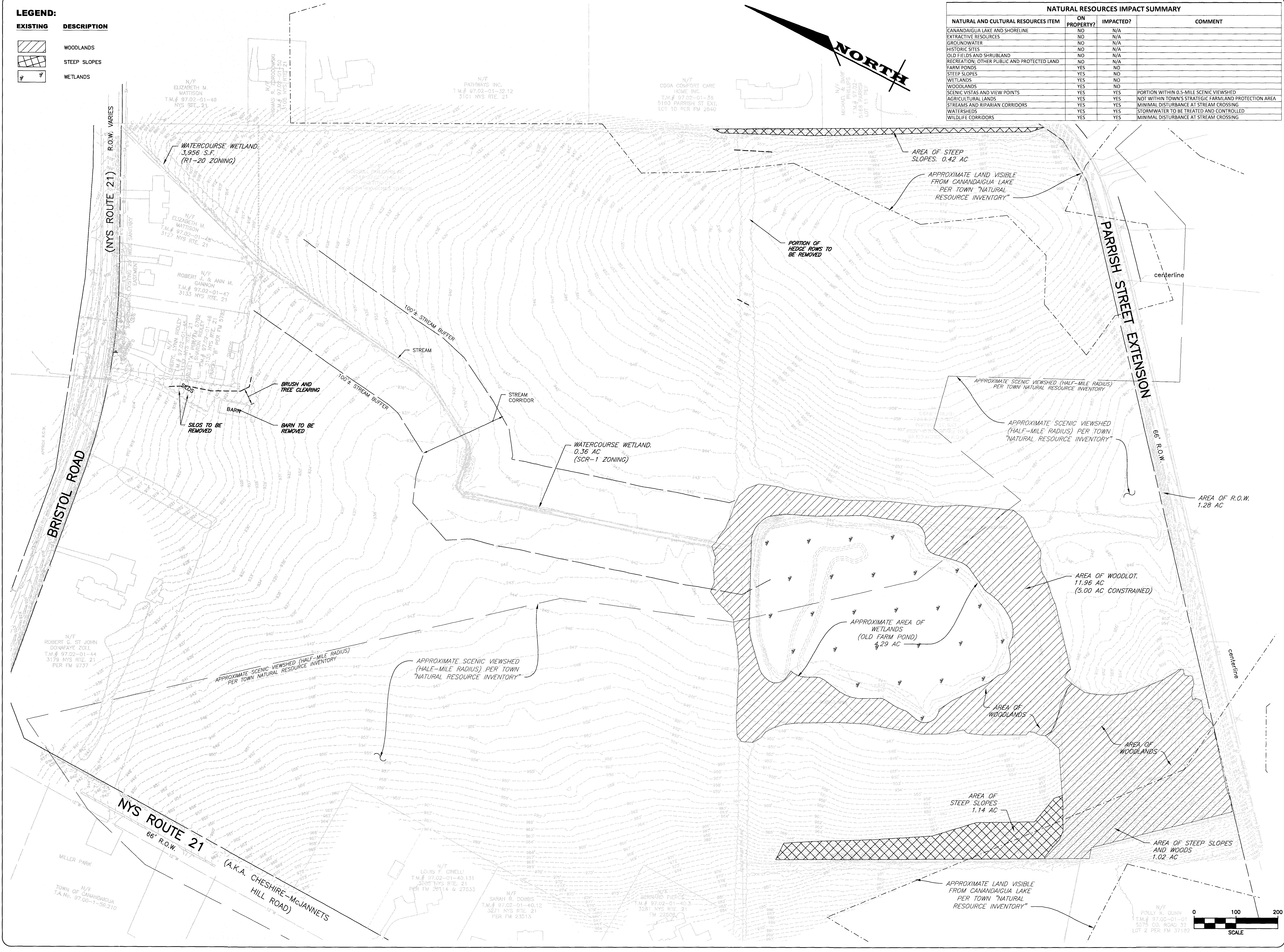


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DRAWING TITLE:
LANDSCAPING PLAN

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SHEET No: **C7.0**
1022-19
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NATURAL RESOURCES IMPACT SUMMARY			
NATURAL AND CULTURAL RESOURCES ITEM	ON PROPERTY?	IMPACTED?	COMMENT
CANANDAIGUA LAKE AND SHORELINE	NO	N/A	
EXTRACTIVE RESOURCES	NO	N/A	
GROUNDWATER	NO	N/A	
HISTORIC SITES	NO	N/A	
OLD FIELDS AND SHRUBLAND	NO	N/A	
RECREATION; OTHER PUBLIC AND PROTECTED LAND	NO	N/A	
FARM PONDS	YES	NO	
STEEP SLOPES	YES	NO	
WETLANDS	YES	NO	
WOODLANDS	YES	NO	
SCENIC VISTAS AND VIEW POINTS	YES	YES	PORTION WITHIN 0.5-MILE SCENIC VIEWSHED
AGRICULTURAL LANDS	YES	YES	NOT WITHIN TOWN'S STRATEGIC FARMLAND PROTECTION AREA
STREAMS AND RIPARIAN CORRIDORS	YES	YES	MINIMAL DISTURBANCE AT STREAM CROSSING
WATERSHEDS	YES	YES	STORMWATER TO BE TREATED AND CONTROLLED
WILDLIFE CORRIDORS	YES	YES	MINIMAL DISTURBANCE AT STREAM CROSSING



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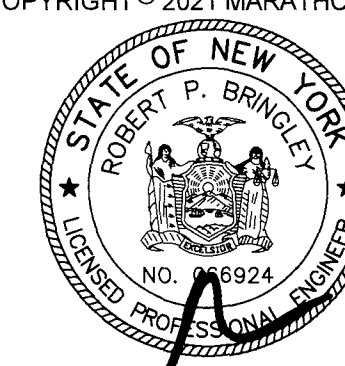
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DRAWING TITLE:
EXISTING CONDITIONS,
DEMOLITION, AND
NATURAL FEATURES
PLAN

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SHEET No: **C8.0**

1022-19
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TOWN OF CANANDAIGUA SPECIFICATIONS FOR WATERMAIN MATERIALS

A. GENERAL

THE MATERIALS INTENDED TO ESTABLISH THE DEGREE OF EXCELLENCE ARE HEREIN INCLUDED ARE DEEMED TO BE OF SATISFACTORY QUALITY FOR INSTALLATION WITHIN THE TOWN. WHEN ALTERNATIVE MATERIALS MAY BE MADE AVAILABLE, THEIR USE MAY BE PERMITTED IN LIMITED TEST SECTIONS WITH THE RESTRICTION THAT SHOULD THESE MATERIALS PROVE UNSATISFACTORY THROUGH THE TEST PERIOD AS ESTABLISHED BY THE TOWN, THEY SHALL BE REMOVED AND REPLACED WITH THOSE HEREIN CALLED FOR AT NO EXPENSE TO THE TOWN.

B. WATERMAINS

1. POLYVINYL CHLORIDE (PVC)

SHALL CONFORM TO AWWA C-900, MINIMUM CLASS 200 (DR14) WITH ELASTOMERIC GASKET JOINTS, INTEGRAL BELL AND RUBBER RINGS LOCKED IN PLACE, MINIMUM DEPTH 5'-0" WITH A MINIMUM OF SIX (6) INCHES OF FULL SAND ENCASEMENT. PVC PIPE INSTALLATION SHALL INCLUDE EITHER:

- a) SIX (6) INCH WIDE METALLIC TAPE PLACED OVER THE CENTER OF THE PIPE ON TOP OF THE 24-INCH SAFETY COVER AS MANUFACTURED BY LINE GUARD III, INC;
- b) CONTINUOUS #10 GAUGE COPPER WIRE ATTACHED TO THE PIPE AT 5-FOOT INTERVALS WITH PLASTIC TIES WITH A MINIMUM OF 150 LBS TENSILE STRENGTH. WIRE SHALL BE ATTACHED TO ALL CAST FITTINGS, HYDRANTS AND VALVE BOXES TO MAKE A CONTINUOUS TRACEABLE SYSTEM.

2. HIGH-DENSITY POLYETHYLENE (HDPE) PIPE

UPON REVIEW AND DISCUSSION WITH THE TOWN, MAY BE CONSIDERED FOR POSSIBLE USE IN SPECIAL CIRCUMSTANCES, I.E. ROAD & STREAM CROSSINGS. SHALL BE SDR-11 DESIGN SHALL BE FORWARDED TO THE TOWN WATER SUPERINTENDENT FOR REVIEW AND APPROVAL.

C. FITTINGS

DUCTILE IRON SHALL MEET AWWA C-153-11 SPECIFICATIONS, MINIMUM CLASS 350, WITH MECHANICAL OR PUSH-ON JOINT, EXCEPT FOR HYDRANT BRANCHES WHICH SHALL BE MECHANICAL JOINTS. FITTINGS SHALL BE CEMENT UNED IN ACCORDANCE WITH AWWA C-104-13. BOLTS AND NUTS SHALL BE FLUOROPOLYMER COATED "BLUE BOLTS". (ASS TYLER UNION FITTING) ALL JOINTS SHALL CONFORM TO THE REQUIREMENTS OF AWWA C-111.

PVC SHALL MEET SPECIFICATIONS OF AWWA C-905 MADE FROM PVC COMPOUND 12454-B (ASTM D1784) WITH GASKET JOINTS MEETING ASTM D3139.

D. HYDRANTS

SHALL BE MANUFACTURED IN ACCORDANCE WITH AWWA C-502.

HYDRANTS SHALL BE MUELLER MANUFACTURED FOR 5 FOOT BURY WITH BREAKAWAY FLANGE CONSTRUCTION AND 6-INCH MECHANICAL JOINT INLET. SHOE AND INLET SHALL BE EPOXY COATED.

THEY SHALL OPEN LEFT, WITH A ONE AND ONE-HALF INCH (1-1/2") PENTAGON-OPERATING NUT.

ALL HYDRANTS SHALL BE PAINTED RED WITH BONNETS PAINTED AS PER THE AWWA HYDRANT COLOR CODE AS LISTED BELOW:

BONNET COLOR	FLOW RANGE (GPM)
BLUE	> 1500
GREEN	1000-1499
ORANGE	500-999
RED	500

ALL VALVE BOX COVERS SHALL BE PAINTED BLUE.

HYDRANTS SHALL BE THREE-WAY WITH TWO (2) 2-1/2 INCH HOSE NOZZLES AND ONE (1) 4-1/2 INCH PUMPER CONNECTION (QUICK DISCONNECT), ALL WITH NATIONAL STANDARD THREADS. MAIN VALVE OPENINGS SHALL BE 5-1/4 INCH WITH THE TOTAL UNIT CONSISTING OF THE TEE, GUARD VALVE, HYDRANT AND ADAPTORS. (SEE APPENDIX W).

1. THE MAIN VALVE SEAT RING SHALL BE BRONZE AND SCREW INTO THE BRONZE DRAIN RING.
2. STAINLESS STEEL FASTENERS SHALL BE USED FOR ALL CONNECTIONS ON HYDRANTS AND VALVES AND FLUOROPOLYMER COATED "BLUE BOLTS" FOR FITTINGS.

E. FLUSHING HYDRANT - BLOWOFF

SHALL BE 2 INCH SELF-DRAINING, NON-FREEZING WITH 5 FOOT BURY, WITH ALL BRONZE PARTS DESIGNED TO CONNECT TO A 2 INCH MAIN LINE OUTLET AS MANUFACTURED BY GIL INDUSTRIES, INC., MODEL SLIM LINE 2.

F. GATE VALVE AND BOX

1. ALL VALVES 12" OR LESS SHALL BE GATE VALVES.
2. GATE VALVES SHALL CONFORM TO AWWA C-509 OR LATEST REVISION, RESILIENT-SEATED WEDGE TYPE EPOXY COATED GATE VALVES WITH A NON-RISING STEM; "O" RING PACKING, AND OPEN LEFT. THEY SHALL BE OF THE 350 PSI TEST CLASS WITH A MINIMUM WORKING PRESSURE OF 250 PSI. VALVES SHALL BE MANUFACTURED BY, MUELLER CO., MODEL 2360, WITH MJ ENDS, A 2" SQUARE OPERATING NUT. STAINLESS STEEL BOLTS AND NUTS SHALL BE UTILIZED.
3. THE VALVE ENDS SHALL DEPEND ON THE TYPE OF PIPE USED AND THE PARTICULAR USE INTENDED.
4. VALVE BOXES SHALL BE BIBBY-STE-CROIX MODEL NUMBER VB3000 SERIES, OR APPROVED EQUAL, TWO-PIECE SCREW-TYPE, CAST-IRON CONSTRUCTION, VALVE BOX, WITH A 5-1/4 INCH INSIDE DIAMETER AND COVERS MARKED "WATER".
5. IF THE VALVES ARE BURIED DEEP THEY MUST HAVE AN EXTENSION STEM THAT CAN BE REACHED WITH A 6 FOOT VALVE BOX KEY.

G. TAPPING SLEEVE AND VALVE

ALL VALVES SHALL HAVE MECHANICAL JOINT ENDS AND BE FURNISHED WITH SUFFICIENT QUANTITIES OF ACCESSORIES. VALVES SHALL OPEN LEFT AND BE MANUFACTURED BY MUELLER WITH EPOXY COATING.

H. ANCHORING FITTINGS

ANCHORING PIPE IN ACCORDANCE WITH ANSI-A21.4, OR LATEST REVISION, SHALL BE EMPLOYED TO ANCHOR ALL HYDRANTS TO GATE VALVES. THE ANCHORING PIPE SHALL BE EPOXY COATED CEMENT LINED AND PROVIDED WITH A ROTATING GLAND. THERE SHOULD BE A MINIMUM 18 INCHES BETWEEN HYDRANT AND GATE VALVE. THESE ANCHORING PIPES SHALL BE TYLER 5-198 OR PROPOSED EQUAL.

I. BUTTERFLY VALVES

ALL VALVES GREATER THAN 16" IN DIAMETER SHALL BE BUTTERFLY TYPE. ALL BUTTERFLY VALVES SHALL CONFORM TO AWWA C-504, OR LATEST REVISION.

J. RESTRAINERS

SHALL BE MANUFACTURED OF HIGH STRENGTH DUCTILE IRON PIPE AND INCORPORATE A FULL 360 DEGREE SUPPORT AROUND THE PIPE. THEY SHALL BE AS MANUFACTURED BY MEGALUG OR UNI-FRANGE SERIES 1500, 1300, 1350, OR 1390 DEPENDING ON THE SPECIFIC USE.

K. WATER SERVICE MATERIAL

1. CORPORATIONS STOP SHALL BE MUELLER H-15008 COMPRESSION TYPE.
2. CURB STOPS SHALL BE MUELLER H-15209 MARK II COMPRESSION TYPE.
3. CURB BOXES SHALL BE MUELLER H-10334, 5 FEET LONG WITH STAINLESS STEEL RODS AND STAINLESS STEEL KEYS. CURB BOXES SHALL NOT BE LOCATED WITHIN DRIVEWAYS.
4. COPPER SERVICES SHALL BE TYPE "K" ASTM B88

5. PLASTIC SERVICES SHALL BE COPPER TUBE SIZE (CTS) AT 200 PSI, WITH A MINIMUM 1 INCH PIPE DIAMETER (ONLY USED FROM CURB BOX TO UNIT AND A CONTINUOUS #10 GAUGE COPPER TRACER WIRE SHALL BE INCLUDED FROM THE CURB BOX TO THE STRUCTURE). SAND BEDDING SHALL BE PROVIDED AS APPROPRIATE.

POLYETHYLENE ASTM D-2737, PE 3408 PER AWWA C-901 (MINIMUM 5'-0" DEPTH AND SAND ENCASEMENT REQUIRED)

6. ALL SERVICES TAPPED INTO MAINS SHALL UTILIZE DOUBLE STRAP SS SADDLE (MUELLER) WITH A MUELLER CORPORATION

7. ANY SERVICES LARGER THAN 1" SHALL MEET THE MINIMUM SPECIFICATIONS OF THE WATER SUPERINTENDENT.

8. REFER TO APPENDIX W.

L. METER PITS FOR INDIVIDUAL SERVICES

1. INDIVIDUAL METER PITS, WHERE REQUIRED, SHALL BE MUELLER, DOUBLE LID STYLE WITH WABASH COVER W2. COVER SHALL BE EQUIPPED TO RECEIVE ATTACHMENTS FOR RADIO-READ WATER METERS.
2. REFER TO APPENDIX W.

M. THRUST BLOCKS

SHALL BE CAST IN PLACE 3000-PSI CONCRETE TO DIMENSIONS AS SHOWN IN APPENDIX W.

N. PRESSURE REDUCING VALVES (PRV) AND VAULTS

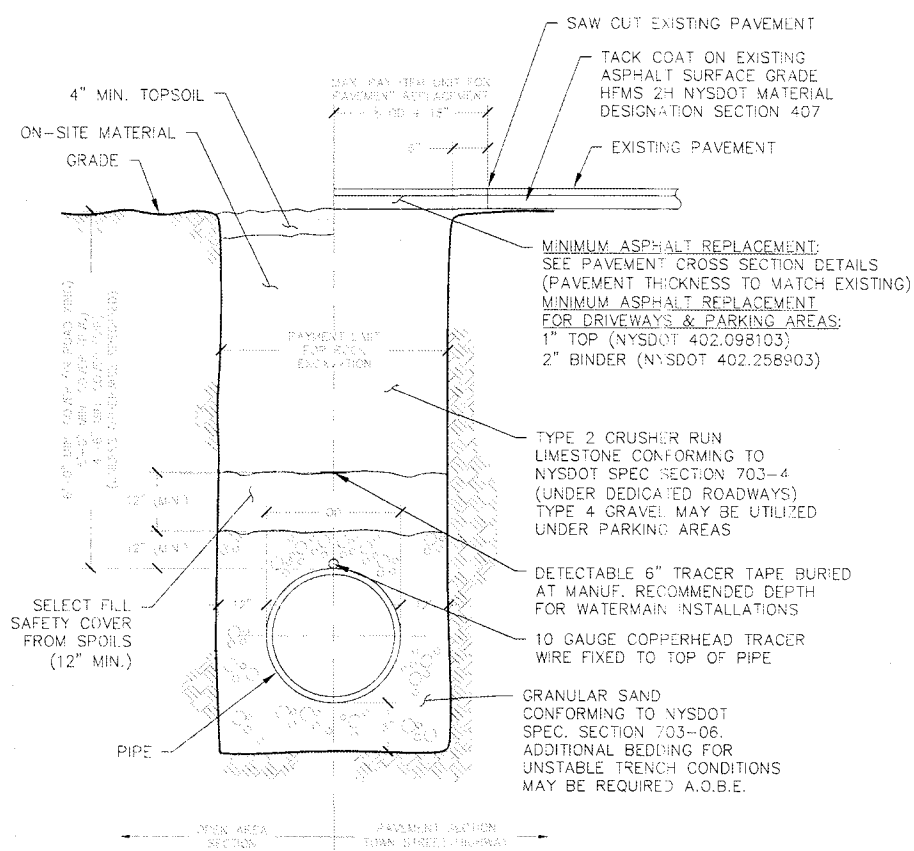
1. PRV VAULTS WHERE REQUIRED BY THE TOWN OF CANANDAIGUA, SHALL BE A MINIMUM OF 6'X16'X8" HIGH, LAKELAND PRECAST CONCRETE VAULT PROVIDED WITH 48"X48" ALUMINUM HATCH WITH ALUMINUM LADDER, SUMP RECESS, OPENINGS AS REQUIRED, SEALS, BOOTS, STAINLESS STEEL TRIM, DUAL PILOTS AND DUAL STRAINERS. SENTENCE HERE ABOUT COATING OR WATERPROOFING THE CONCRETE VAULT? THE STEEL VENT PIPE IS TO BE PAINTED BLUE.

2. THE PRV VAULT SHALL ALSO BE EQUIPPED WITH A ROSS 40WR-BP PRESSURE REDUCING VALVE AND MAY REQUIRE A BACK PRESSURE SUSTAINING FEATURE AND REVERSE FLOW FEATURE DEPENDING ON THE LOCATION IN THE WATER SYSTEM.

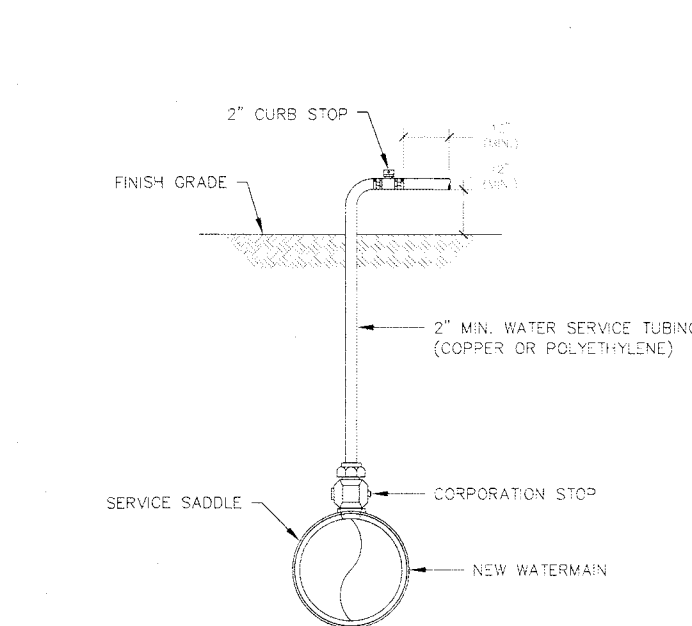
3. REFER TO APPENDIX W

O. EQUIVALENTS

1. ANY MATERIAL AND MANUFACTURER SUBSTITUTES ARE TO BE PROVIDED IN ADVANCE TO THE TOWN WATER SUPERINTENDENT FOR REVIEW AND APPROVAL.
2. FOR ANY PROJECT IT WILL BE ASSUMED THAT THE DEVELOPER WILL FURNISH THE EXACT MATERIALS SPECIFIED ON THE PLANS AND SPECIFICATIONS UNLESS THE DEVELOPER FILES WITH THE TOWN OF CANANDAIGUA WATER SUPERINTENDENT PRIOR TO ANY USE IN THE DEVELOPMENT, THE NAMES AND COMPLETE DESCRIPTION OF EACH ARTICLE WHICH HE PROPOSES TO SUBSTITUTE FOR APPROVAL BY THE TOWN.
3. ANY COSTS INCURRED BY THE TOWN OR ITS REPRESENTATIVES ASSOCIATED WITH THE VERIFICATION OF SUBSTITUTE EQUIPMENT AND MATERIALS WILL BE THE RESPONSIBILITY OF THE DEVELOPER.

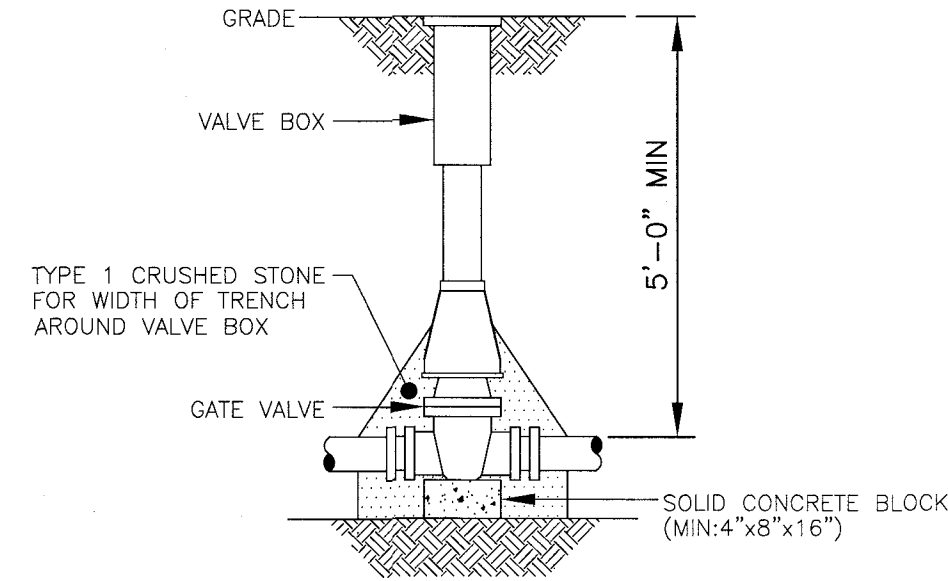


1 DETENTION AREA OUTFALL STRUCTURE
STANDARD TOWN DETAIL (W-8)
LAST REVISED 2018



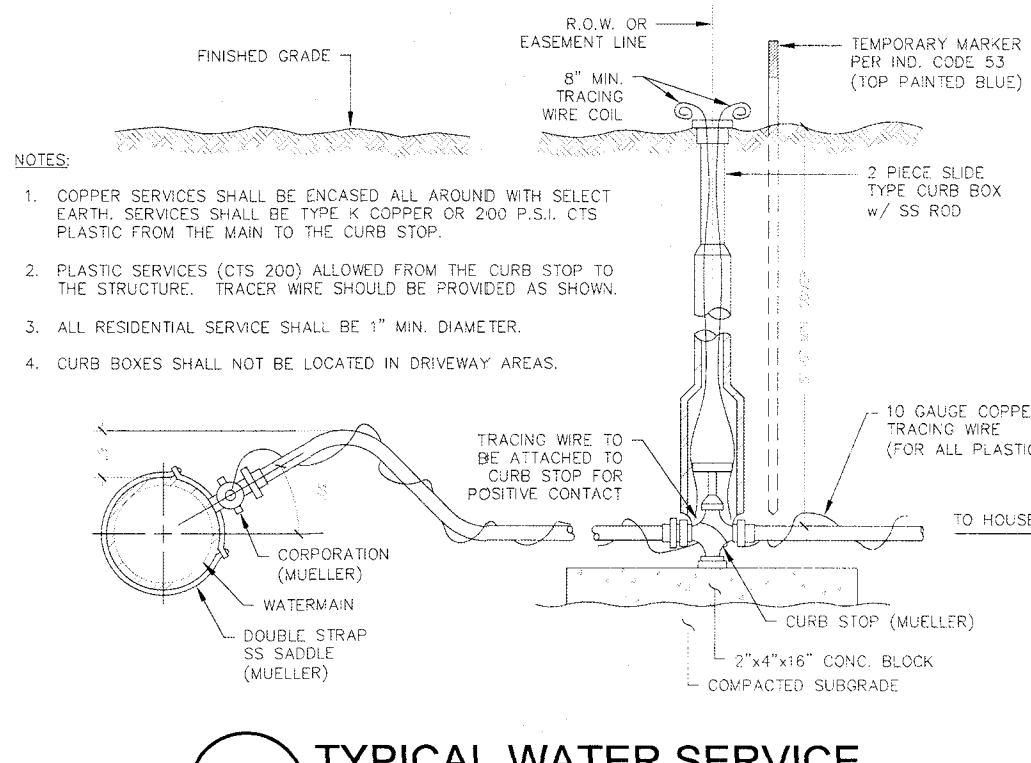
- NOTES:
1. UPON NOTIFICATION FROM THE HEALTH DEPARTMENT THAT A SATISFACTORY WATER SAMPLE HAS BEEN OBTAINED, SHUT DOWN CORPORATION STOP AND REMOVE THE SERVICE TUBING.
 2. IMMEDIATELY PRIOR TO PLACING THE WATER MAIN IN SERVICE THE CONTRACTOR SHALL REMOVE ALL CORPORATIONS ASSOCIATED WITH TEMPORARY FACILITIES (I.E. SAMPLING TAPS, ETC) AND REPLACE WITH THREADED BRASS PLUGS
 3. FOR DISINFECTION/SAMPLING TAPS THAT ARE NOT NEEDED TO BLOW-OFF, 1" DISINFECTION/SAMPLING TAPS ARE ACCEPTABLE.
 4. 1000 LF MAXIMUM DISTANCE BETWEEN SAMPLE TAPS UNLESS OTHERWISE SPECIFIED BY ENGINEER.

2 TEMPORARY DISINFECTION / SAMPLING / BLOW-OFF
STANDARD TOWN DETAIL (W-7)
LAST REVISED 2018

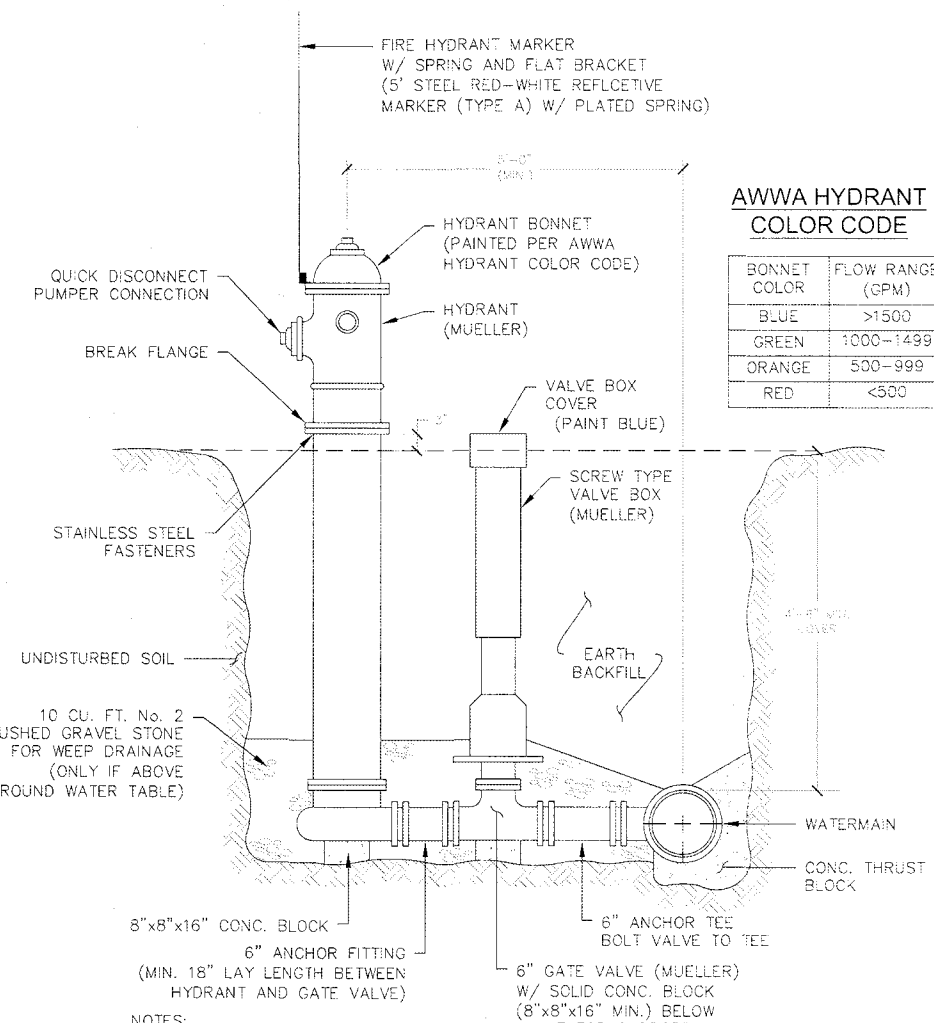


- NOTE:
1. VALVE BOX SHALL BE CENTERED ON VALVE AND SET ON COMPACTED BACKFILL.
 2. VALVE SHALL NOT SUPPORT VALVE BOX.
 3. ALL BODY AND BONNET BOLTS SHALL BE STAINLESS STEEL.
 4. ALL VALVES SHALL BE OPEN LEFT EXCEPT VALVES 12" AND SMALLER INSTALLED IN THE TOWN OF WEBSTER (WHICH SHALL BE OPEN RIGHT).

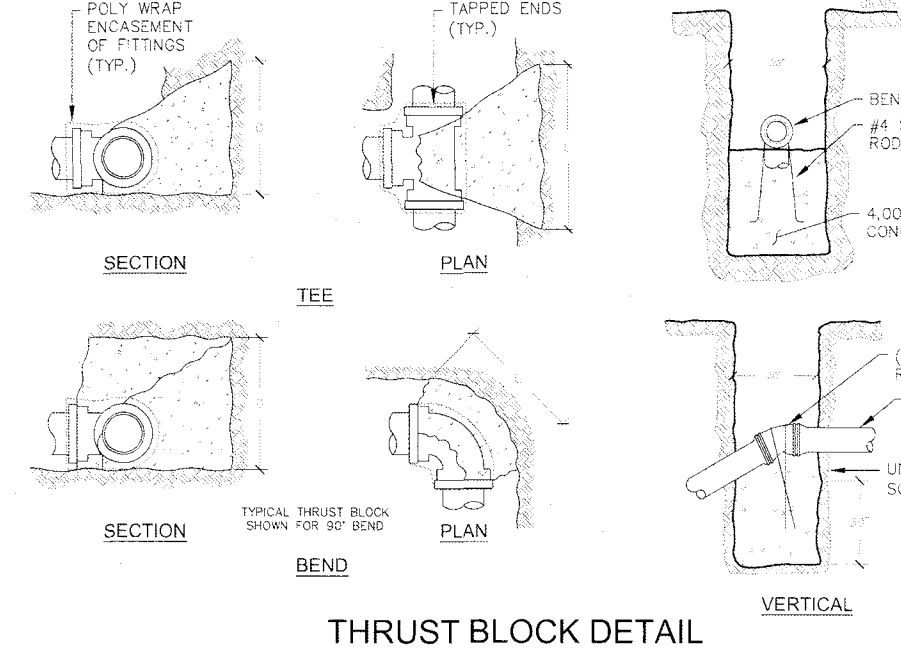
3 WATER VALVE



4 TYPICAL WATER SERVICE
STANDARD TOWN DETAIL (W-3)
LAST REVISED 2018



5 HYDRANT UNIT
STANDARD TOWN DETAIL (W-6)
LAST REVISED 2018



PRV-400 (INCHES)	ALLOWABLE SPACING (FEET)	16\"/>
6	100	150
8	150	225
10	225	338
12	338	500
14	500	750
16	750	1125
18	1125	1688
20	1688	2500
22	2500	3750
24	3750	5625
26	5625	8438
28	8438	12656
30	12656	18984
32	18984	28476
34	28476	42714
36	42714	63861
38	63861	95792
40	95792	143680
42	143680	215520
44	215520	323376
46	323376	485056
48	485056	727584
50	727584	1091200
52	1091200	1636800
54	1636800	2455200
56	2455200	3683200
58	3683200	5472000
60	5472000	8198400
62	8198400	12297600
64	12297600	18432000
66	18432000	27648000
68	27648000	41376000
70	41376000	61920000
72	61920000	91776000
74	91776000	137280000
76	137280000	204480000
78	204480000	304320000
80	304320000	451200000
82	451200000	673280000
84	673280000	1008000000
86	1008000000	1507200000
88	1507200000	2246400000
90	2246400000	3388800000
92	3388800000	5068800000
94	5068800000	7545600000
96	7545600000	11232000000
98	11232000000	16896000000
100	16896000000	25344000000

BONNET COLOR	FLOW RANGE (GPM)
BLUE	>1500
GREEN	1000-1499
ORANGE	500-999
RED	<500

NOTES:

1. ALL DIMENSIONS ARE IN FEET.
2. BEARING AREAS ARE BASED ON ALLOWABLE SOIL BEARING CAPACITY OF 2000 PSF.
3. HEIGHT OF THRUST BLOCK SHOULD BE EQUAL TO OR GREATER THAN THE DEPTH FROM THE TOP OF THE THRUST BLOCK TO THE CENTER OF THE VALVE.
4. ALL THRUST BLOCKS SHALL CURE A MINIMUM OF SEVEN (7) DAYS BEFORE ANY PRESSURE TESTS ARE CONDUCTED.
5. CONCRETE SHALL BE MINIMUM 3000 PSI.
6. REINFORCING BARS MAY BE USED BY ELLIOT THRUST BLOCKS METHOD TO AVOID SHALL BE APPROVED BY ENGINEER PRIOR TO INSTALLATION.

6 WATERMAIN THRUST BLOCK SCHEDULE
STANDARD TOWN DETAIL (W-5)
LAST REVISED 2018

MARATHON
ENGINEERING
ROCHESTER LOCATION
39 CASCADE DRIVE
ROCHESTER, NY 14614
585-458-7770
ITHACA LOCATION
840 HANSHAW RD, STE 6
ITHACA, NY 14850
607-241-2917
www.marathoneng.com

PRELIMINARY OVERALL PLANS
for
PIERCE BROOK SUBDIVISION
STATE ROUTE 21 SOUTH, T.A. NO. 97.02-1-52.1
PARRISH STREET EXTENSION, T.A. NO. 97.00-2-2
ONTARIO COUNTY
TOWN OF CANANDAIGUA
STATE OF NEW YORK

JOB NO:	1022-19
SCALE:	AS SHOWN
DRAWN:	CMP
DESIGNED:	RJT
DATE:	5/21/21

REVISIONS

DATE	BY	REVISION
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12/12/19	CP	ISSUED PREMYLAR
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IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW ARTICLE 145, SECTION 2009 FOR ANY PERSON, UNDER ANY TITLE, TO SIGN THE CERTIFICATE OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, OR ANY OTHER TITLE, ON ANY DRAWING, SPECIFICATION, REPORT, OR OTHER DOCUMENT, WITHOUT BEING A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR. IF ANY PERSON SIGNED THE SEAL OF A PROFESSIONAL ENGINEER OR LAND SURVEYOR, THE SEAL OF A PROFESSIONAL ENGINEER OR LAND SURVEYOR, AND THE SIGNATURE OF THE LAND SURVEYOR SHALL BE VOID. THE SEAL OF A PROFESSIONAL ENGINEER OR LAND SURVEYOR SHALL BE VOID. THE SEAL OF A PROFESSIONAL ENGINEER OR LAND SURVEYOR SHALL BE VOID. THE SEAL OF A PROFESSIONAL ENGINEER OR LAND SURVEYOR SHALL BE VOID.

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STATE OF NEW YORK
ROBERT P. BRINGLEY
LICENSED PROFESSIONAL ENGINEER
NO. 068924
ROBERT P. BRINGLEY

DRAWING TITLE:
CONSTRUCTION DETAILS

21 of 21 SHEET No:	C9.2
1022-19 JOB No:	
DRAWING No:	

APPROVED BY:	APPROVED BY:	APPROVED BY:
PLANNING BOARD CHAIRPERSON	TOWN ENGINEER	TOWN HIGHWAY & WATER SUPERINTENDENT
DATE:	DATE:	DATE: