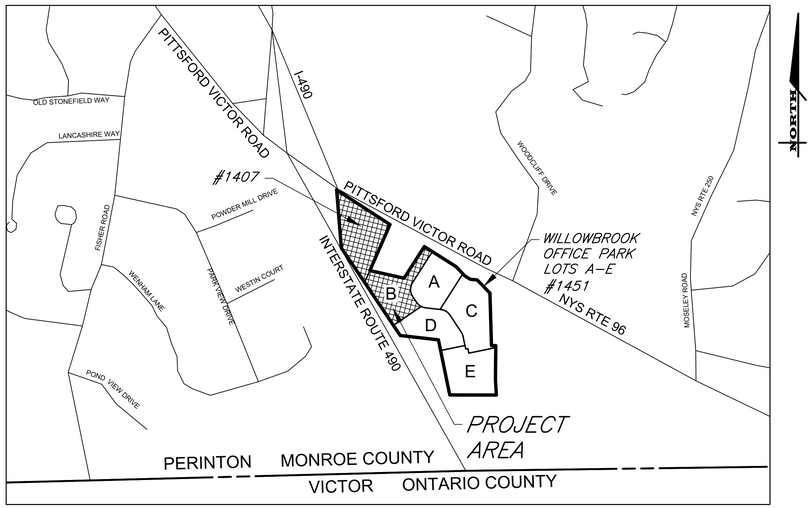
PRELIMINARY/FINAL SITE PLANS
for
THE PLACE AT WILLOWBROOK

1407-1451 PITTSFORD VICTOR ROAD

SITUATE IN:

TOWN OF PERINTON - MONROE COUNTY - STATE OF NEW YORK



LOCATION MAP

NOT TO SCALE

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

SHEET SCHEDULE		
No.	DWG. No.	DESCRIPTION
1	C0.1	CONSTRUCTION NOTES & SPECIFICATIONS
2	C1.0	OVERALL PLAN
3	V1.0	EX. CONDITIONS & DEMOLITION PLAN
4	V1.1	EX. CONDITIONS & DEMOLITION PLAN
5	C2.0	LAYOUT PLANS
6	C2.1	LAYOUT PLANS
7	C3.0	UTILITY PLANS
8	C3.1	UTILITY PLANS
9	C4.0	GRADING & EROSION CONTROL PLANS
10	C4.1	GRADING & EROSION CONTROL PLANS
11	C5.0	PROJECT PROFILES
12	C6.0	LANDSCAPING & LIGHTING PLAN
13	C6.1	LANDSCAPING & LIGHTING PLANS
14	C7.0	CONSTRUCTION DETAILS
15	C7.1	CONSTRUCTION DETAILS
16	C7.2	CONSTRUCTION DETAILS
17	C7.3	CONSTRUCTION DETAILS
18	C8.0	NYSDOT DRIVEWAY PLAN
19	C8.1	NYSDOT DRIVEWAY DETAILS
20	C8.2	NYSDOT DRIVEWAY DETAILS
21	C9.0	CULVERT PLAN

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NOTES, INFORMATION AND SPECIFICATIONS

GENERAL

1. **APPLICABILITY** - THE NOTES AND INFORMATION PROVIDED ON THIS SHEET ARE APPLICABLE TO ALL "C" SERIES DRAWINGS. THE "C" SERIES DRAWINGS COVER SITE RELATED IMPROVEMENTS OUTSIDE THE BUILDING ENVELOPE. THE BUILDING ENVELOPE INCLUDES ALL AREA WITHIN 5' OUTSIDE OF THE BUILDING'S EXTERIOR WALL.

2. **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.

3. **UTILITY STAKEOUT** - THE CONTRACTOR SHALL NOTIFY UDIG NY (1-800-962-7962) FOR A UTILITY STAKEOUT 48 HOURS IN ADVANCE OF COMMENCING WORK. STAKEOUT OF PRIVATE UTILITIES SHALL BE COORDINATED WITH THE OWNER.

4. **PROPERTY PROTECTION** - THE CONTRACTOR IS RESPONSIBLE FOR DAMAGE TO EXISTING PAVEMENT, CURBS, WALKS, LAWNS, TREES, ETC. CAUSED BY THEIR CONSTRUCTION OPERATIONS. ALL DAMAGE SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR TO THE OWNER'S SATISFACTION AT NO ADDITIONAL EXPENSE.

5. **ACCESS** - THE CONTRACTOR SHALL PROVIDE SATISFACTORY VEHICULAR ACCESS TO ALL ADJOINING PROPERTIES, PRIVATE ROADWAYS, PARKING FACILITIES, AND PUBLIC STREETS DURING CONSTRUCTION.

6. **SITE SAFETY** - PRIOR TO AND THROUGHOUT CONSTRUCTION, THE CONTRACTOR SHALL POST SIGNAGE IN CONFORMANCE WITH THE REQUIREMENTS OF THE LOCAL MUNICIPALITY AND OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA). JOB SAFETY AND MAINTENANCE AND PROTECTION OF TRAFFIC IS THE RESPONSIBILITY OF THE CONTRACTOR.

7. **EXCAVATIONS** - ALL EXCAVATIONS SHALL BE BACKFILLED/BARRICADED TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE AT THE CONCLUSION OF EACH WORKING DAY.

8. **MAINTENANCE** - PUBLIC STREETS, PRIVATE DRIVES AND PARKING FACILITIES SHALL BE KEPT FREE OF FOREIGN MATERIALS. ALL AREAS SHALL BE SWEPT CLEAN AT THE END OF EACH WORKING DAY AND/OR AS DIRECTED BY THE OWNER'S ON-SITE REPRESENTATIVE.

9. **CONSTRUCTION STORAGE** - STORAGE OF EQUIPMENT AND MATERIALS SHALL BE WITHIN A SPECIFIED AND SECURED AREA AS DETERMINED IN CONTRACT DOCUMENTS OR AS SPECIFIED BY THE OWNER'S ON-SITE REPRESENTATIVE.

10. **PERMIT(S)** - PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN THE NECESSARY PERMITS FROM THE APPLICABLE MUNICIPALITY OR AGENCY. THE CONTRACTOR IS RESPONSIBLE FOR ALL BONDS AND INSURANCES AND THE OWNER IS RESPONSIBLE FOR PERMIT FEES UNLESS OTHERWISE STATED IN THE OWNER/ CONTRACTOR AGREEMENT

11. **INTERIM CONDITIONS** - THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN POSITIVE DRAINAGE AWAY FROM BUILDINGS AND WITHIN PROJECT AREA TO A STABILIZED OUTLET THROUGHOUT THE CONSTRUCTION PERIOD. THIS MAY REQUIRE INTERIM GRADING, SHIMMING OF PAVEMENT ETC. THAT IS NOT SPECIFICALLY SHOWN ON THE PLANS AND SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

12. **SPECIFICATIONS** - TECHNICAL SPECIFICATIONS, IF SUPPLIED AS PART OF CONTRACT DOCUMENTS, ARE INTENDED TO AID AND HELP DEFINE THE CONTRACTOR'S WORK SCOPE. IF DISCREPANCIES OCCUR THE CONTRACTOR SHALL REQUEST A CLARIFICATION.

CONSTRUCTION

1. **STAKEOUT** - THE CONSTRUCTION STAKEOUT SHALL BE PERFORMED BY A LICENSED LAND SURVEYOR USING CONTROL PROVIDED ON THE "LAYOUT PLAN". THE BUILDING FOOTPRINT(S), DATED 04/28/26, WERE PROVIDED BY HANLON ARCHITECTS. DISCREPANCIES WITH BUILDING(S), CONTROL POINTS, AND/ OR TIE DIMENSIONS SHALL BE REPORTED TO THE DESIGN ENGINEER (PRIOR TO THE INSTALLATION OF IMPROVEMENTS) FOR COORDINATION AND CLARIFICATION.

2. **BOUNDARY** - BOUNDARY INFORMATION WAS COMPUTED BY MARATHON ENGINEERING & SURVEYING OF ROCHESTER D.P.C.

3. **LAYOUT** - DIMENSIONS SHOWN, WHERE APPLICABLE, SHALL BE FROM THE FACE OF CURB UNLESS SPECIFICALLY CALLED OUT OTHERWISE.

4. **DEMOLITION** - CLEARING AND GRUBBING SHALL BE LIMITED TO THE SITE BOUNDARIES OR WITHIN THE "WORK LIMIT LINE" AS DEFINED ON THE PLAN. TREES AND OBJECTS DESIGNATED FOR REMOVAL SHALL BE COORDINATED AND FIELD VERIFIED WITH PROJECT ON-SITE REPRESENTATIVE. ALL MATERIALS SHALL BE LEGALLY DISPOSED OF OFF-SITE OR RETURNED TO OWNER AS DIRECTED BY CONTRACT DOCUMENTS. ALL ITEMS NOT SPECIFICALLY CALLED OUT TO BE REMOVED SHALL REMAIN.

5. **COORDINATION** - THE CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITY WORK WITH OTHER SITE UTILITIES (I.E. GAS, ELECTRIC, LIGHTING, COMMUNICATIONS) TO AVOID POTENTIAL INSTALLATION CONFLICTS.

6. **STAGING** - AS DEFINED BY THE CONTRACT DOCUMENTS THE CONTRACTOR SHALL CONSTRUCT A SECURE STAGING AREA FOR STORAGE OF EQUIPMENT, MATERIALS, EMPLOYEE PARKING AND OFFICE SPACE. IF THE AREA/METHOD IS NOT SPECIFICALLY DEFINED ON THE DOCUMENTS THEN IT SHALL BE COORDINATED WITH THE OWNER'S ON-SITE REPRESENTATIVE.

7. **DOCUMENTATION REQUIREMENTS** - THE CONTRACTOR IS RESPONSIBLE FOR SUPPLYING THE OWNER OR ENGINEER WITH THE PRECISE LOCATIONS OF BLIND CONNECTIONS (I.E. WYE LOCATIONS), AS WELL AS THE CONFIGURATIONS OF LATERALS AND SERVICES TO FACILITATE THE CREATION OF AS-BUILT MAPS. THIS INFORMATION PROVIDED SHOULD BE ABLE TO BE RECREATED ON THE GROUND SURFACE, SUCH AS MEASUREMENTS FROM BUILT INFRASTRUCTURE OR COORDINATES ON THE PROJECT DATUM, OR AS AGREED UPON DURING THE PRECONSTRUCTION MEETING. ANY EXPENSES RELATED TO CONFIRMING UTILITY LOCATIONS THAT WERE NOT RECORDED DURING CONSTRUCTION WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

8. **CLOSE-OUT** - THE CONTRACTOR'S WORK SCOPE INCLUDES BUT IS NOT LIMITED TO THE FOLLOWING AT PROJECT CLOSE-OUT TO THE SATISFACTION OF OWNER'S ON-SITE REPRESENTATIVE:
   - REMOVAL OF ANY CONSTRUCTION DEBRIS.
   - CLEANING PAVEMENT AND WALKWAY SURFACES.
   - RESTORATION OF ALL DISTURBED GRASS AND LANDSCAPED AREAS.
   - PROVIDING BONDS, GUARANTEES, CERTIFICATIONS, ETC. AS REQUIRED BY CONTRACT DOCUMENTS.
   - PROVIDING REDLINES FOR RECORD DRAWING.
   - COMPLETION OF FINAL PUNCH LIST ITEMS.

UTILITIES

1. SANITARY

1.1 MATERIALS
- **LATERALS** - PIPING SHALL BE POLYVINYL CHLORIDE (PVC) WITH ENDS SUITABLE FOR ELASTOMERIC GASKET JOINTS, AND A MINIMUM WALL THICKNESS OF SDR-21. PIPING AND FITTINGS SHALL MEET ASTM D-2241.
- **JOINTING MATERIALS** - SHALL BE BELL-AND-SPIGOT WITH INTEGRAL PUSH ON TYPE ELASTOMERIC GASKET JOINTS, GASKET MATERIAL TO BE NEOPRENE MEETING ASTM D-3212.

1.2 INFILTRATION/ EXFILTRATION - MAXIMUM ALLOWABLE INFILTRATION OR EXFILTRATION SHALL NOT EXCEED 100 GALLONS PER INCH DIAMETER PER MILE OF PIPE PER DAY FOR THE SANITARY SEWER. IF AN AIR TEST IS USED, THE TEST AS A MINIMUM SHALL CONFORM TO THE PROCEDURE DESCRIBED IN ASTM F1417 ENTITLED STANDARD PRACTICE FOR INSTALLATION ACCEPTANCE OF PLASTIC NON-PRESSURE SEWER LINES USING LOW-PRESSURE AIR. SANITARY MANHOLES SHALL BE VISUALLY INSPECTED AND TESTED FOR LEAKAGE BY EX FILTRATION OR VACUUM. AIR VACUUM TESTING OF MANHOLES SHALL BE PERFORMED IN ACCORDANCE WITH ASTM C-1244.

1.3 FLOOR DRAINS - FLOOR DRAINS, IF CONSTRUCTED IN THE PROJECT. MUST BE CONNECTED TO THE SANITARY SEWER. **NOTE:** FLOOR DRAINS DO NOT INCLUDE FOUNDATION OR FOOTER DRAINS INSTALLED TO INTERCEPT UNCONTAMINATED GROUND WATER. ALL DISCHARGES FROM THE FLOOR DRAINS TO THE SANITARY SEWER MUST COMPLY WITH THE EFFLUENT LIMITS OF THE LOCAL AND/OR THE MONROE COUNTY SEWER USE LAW.

1.4 TESTING - DEFLECTION TESTS SHALL BE PERFORMED ON ALL FLEXIBLE PIPE. THE TEST SHALL BE CONDUCTED AFTER THE FINAL BACKFILL HAS BEEN IN PLACE AT LEAST 30 DAYS. NO PIPE SHALL EXCEED A DEFLECTION OF 5%. IF THE DEFLECTION TEST IS TO BE RUN USING A RIGID BALL OR MANDREL. IT SHALL HAVE A DIAMETER EQUAL TO 95% OF THE INSIDE DIAMETER OF THE PIPE. THE TEST SHALL BE PERFORMED WITHOUT MECHANICAL PULLING DEVICES.

1.5 SEPARATION - MINIMUM VERTICAL SEPARATION BETWEEN WATER MAINS AND SEWER LINES SHALL BE 18 INCHES MEASURED FROM THE OUTSIDE OF THE PIPES AT THE POINT OF CROSSING. ONE FULL STANDARD LAYING LENGTH OF WATER MAIN PIPE 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 DEFLECTION OF JOINTS AND SETTLING OF THE SEWER ON THE WATER MAIN. MINIMUM HORIZONTAL SEPARATION BETWEEN PARALLEL WATER MAINS AND SEWER PIPES (INCLUDING MANHOLES AND VAULTS) SHALL BE 10 FEET MEASURED FROM THE OUTSIDE OF THE PIPES. MANHOLES OR VAULTS.

UTILITIES (CONT.)

2. STORM

2.1 REGULATIONS - STORM SEWERS AND APPURTENANCES SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE LATEST REGULATIONS OF THE MUNICIPALITY AND ALL THERMOPLASTIC PIPE SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D-2321.

2.2 MATERIALS - THE CONTRACTOR MAY USE THE FOLLOWING PIPE MATERIAL FOR THE MAIN SEWER AS ALLOWED BY THE MUNICIPALITY, PROVIDING THAT THE ROUGHNESS COEFFICIENT ("N" FACTOR) IS 0.013 OR BETTER:
- REINFORCED CONCRETE PIPE (RCP), CLASS III
- HIGH DENSITY CORRUGATED POLYETHYLENE PIPE (PE), AASHTO M-294, TYPE S, ASTM D-3350.

2.3 ROOF DRAINAGE - ALL ROOF DRAINAGE SHALL BE COLLECTED AND PIPED TO THE STORM SEWER SYSTEM UNLESS SPECIFIED OTHERWISE.

2.4 TESTING - UPON COMPLETION OF SYSTEM INSTALLATION, THE MAIN SEWER SYSTEM AND LEADS TO STRUCTURES SHALL BE FLUSHED AND LAMPED TO THE SATISFACTION OF THE MUNICIPALITY.

3. WATER

3.1 ALL MATERIALS, INSTALLATION AND TESTING PROCEDURES SHALL BE IN COMPLIANCE WITH CURRENT AWWA STANDARDS AND IN ACCORDANCE WITH THE REGULATIONS AND SPECIFICATIONS OF THE AUTHORITY. SHOULD A CONFLICT EXIST THE AUTHORITY'S SPECIFICATIONS SHALL GOVERN.

3.2 WATER SERVICE LINES SHALL HAVE A MINIMUM OF FIVE FEET OF COVER FROM FINISHED GRADE IN NON-PAVEMENT AREAS AND SIX FEET OF COVER FROM FINISHED GRADE IN PAVED AREAS.

3.3 WATER SERVICE LINES SHALL BE SEPARATED AT LEAST TEN FEET, MEASURED FROM THE OUTSIDE OF THE PIPES, FROM SEWER MAINS OR SEPTIC SYSTEMS.

3.4 WATER SERVICE LINES SHALL BE IDENTIFIED AS:

DESCRIPTION	SIZE	MATERIAL (a)	TYPE (b)
MCWA PORTION: FROM THE WATER MAIN TO AND INCLUDING THE CONTROL VALVE ON THE ROW/PROPERTY/EASEMENT LINE	N/A	D.I.P.*	N/A
PRIVATE PORTION: FROM THE CONTROL VALVE TO THE METER	6"	D.I.P.*	CMB

(A) ACCEPTABLE MATERIAL IS *CLASS 52 CEMENT MORTAR LINED ZINC-COATED DUCTILE IRON PIPE.
(B) SERVICE TYPES INCLUDE: DOMESTIC = DS, FIRE = FS, OR COMBINED = CMB

3.5 THE WATER AUTHORITY'S PORTION OF THE WATER SERVICE LINE SHALL BE INSTALLED PRIOR TO THE PRIVATE PORTION OF THE SERVICE LINE.

3.6 WATER METER(S) TO BE LOCATED ON THE INTERIOR OF EXTERIOR WALLS(S) IMMEDIATELY UPON SERVICE ENTRANCE INTO THE BUILDING FOOTPRINT OR HEATED ENCLOSURE. A BYPASS ASSEMBLY IS **NOT** REQUIRED AROUND THE INSTALLATION OF 5/8-INCH THROUGH 1-INCH METERS. 1 ½-INCH AND 2-INCH METER INSTALLATIONS MAY REQUIRE A BYPASS ASSEMBLY DEPENDING UPON THE APPLICATION. 3-INCH AND LARGER METERS REQUIRE A BYPASS ASSEMBLY.

3.7 WATER SERVICE LINES SIZED 4-INCHES OR GREATER SHALL BE:
- PRESSURE TESTED IN ACCORDANCE WITH THE LATEST SPECIFICATIONS OF THE MONROE COUNTY WATER AUTHORITY. **A WATER AUTHORITY REPRESENTATIVE MUST WITNESS THIS TEST.**
- DISINFECTED BY USING THE CONTINUOUS FEED METHOD ACCORDING TO AWWA STANDARD SPECIFICATIONS. AFTER FLUSHING AND DISINFECTING THE SERVICE LINE, WATER SAMPLES SHALL BE COLLECTED IN ACCORDANCE WITH THE DEPARTMENT OF HEALTH THAT HAS JURISDICTION OF THE AREAS REQUIREMENTS. APPROVAL AND NOTIFICATION BY THE HEALTH DEPARTMENT OF PASSING HEALTH SAMPLE TEST(S) MUST BE RECEIVED BEFORE THE SERVICE WILL BE ACTIVATED BY THE WATER AUTHORITY.

STANDARD ABBREVIATIONS

AC.	ACRE	LS	LUMP SUM
A.O.B.E.	AS ORDERED BY ENGINEER	LT.	LEFT
ASPH.	ASPHALT	MB.	MAILBOX
AZ.	AZIMUTH	M.O.	MIDDLE ORDINATE
BL	BASELINE	MON.	MONUMENT OR MONTH
BM	BENCHMARK	MCGS	MONROE COUNTY GEODETIC SURVEY
CL	CENTERLINE	M.H.	MANHOLE
CLF	CHAIN LINKED FENCE	NEC.	NECESSARY
C.O.	CLEAN–OUT	N.I.C.	NOT–IN– CONTRACT
CONC.	CONCRETE	NTS	NOT TO SCALE
CPP	CORRUGATED POLYETHYLENE PIPE	N/F	NOW OR FORMERLY
CSP	CORRUGATED STEEL PIPE	PAV'T.	PAVEMENT
COV.	COVER	PE	POLYETHYLENE PIPE
CB	CURB BOX	PPE	PERFORATED POLYETHYLENE PIPE
CY	CUBIC YARD	PC	POINT OF CURVATURE
D.	DEGREE OF CURVE	PI	POINT OF INTERSECTION
DIA.	DIAMETER	PT	POINT OF TANGENCY
DI	DROP INLET	PVC	POINT OF VERTICAL CURVATURE
D.I.P.	DUCTILE IRON PIPE	PVI	POINT OF VERTICAL INTERSECTION
EA.	EACH	PVT	POINT OF VERTICAL TANGENCY
EIC	ENGINEER IN CHARGE	PP	POWER POLE
ELEV.	ELEVATION	PL	PROPERTY LINE
EP	EDGE OF PAVEMENT	R.	RADIUS
FF	FINISH FLOOR = FINISH FLOOR ELEVATION	RCP	REINFORCED CONCRETE PIPE
FI	FIELD INLET	RG&E	ROCHESER GAS AND ELECTRIC
FR.	FRAME	R.O.W.	RIGHT–OF–WAY
FP	FINISH PAD = GARAGE FLOOR ELEVATION	RT.	RIGHT
FT.	FEET	RTC	ROCHESTER TELEPHONE COMPANY
G	GAS MAIN	SA.	SANITARY SEWER
GAL.	GALLON	ST.	STORM SEWER
GR.	GRAVEL	STA.	STATION
G.R.	GUIDE RAIL	STY.	STORY
HCL	HORIZONTAL CONTROL LINE	SY	SQUARE YARD
HYD.	HYDRANT	T.	TANGENT DISTANCE
INV.	INVERT	TGL	THEORETICAL GRADE LINE
IP	IRON PIPE OR IRON PIN	TYP.	TYPICAL
L.	LENGTH OR LENGTH OF CURVE	VC	VERTICAL CURVE
LF	LINEAR FEET	VTP	VITRIFIED TILE PIPE
LP	LIGHT POST (PRIVATE)	Δ	CENTRAL ANGLE

EARTHWORK

THESE NOTES ARE COMPLEMENTARY TO THE GEOTECHNICAL ENGINEERS REPORT AND RECOMMENDATIONS. THE GEOTECHNICAL ENGINEER OF RECORDS DIRECTION TAKES PRECEDENCE IN CASE OF DISCREPANCY.

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 (0.10') IN PAVEMENT AREAS (INCLUDING WALKS) AND TO WITHIN THIRTY-THREE HUNDREDTHS OF ONE FOOT (0.33') FOR ALL REMAINING AREAS.
   - **COMPACTION** - ACHIEVING COMPACTION VALUES (NOT LESS THAN THE PERCENTAGES SPECIFIED BELOW) 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

   TOWN OF GREECE REQUIRES TESTING TO BE CONDUCTED AT DRIVEWAY CENTERLINE AND 5' ON EITHER SIDE OF THE CENTERLINE EVERY 100'.
   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.

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 OWNER'S REPRESENTATIVE MAY REQUEST A PROOF ROLL (I.E. LOADED TEN WHEELER) OF SUBGRADE AREAS PRIOR TO PLACEMENT OF SUBBASE MATERIALS. AREAS THAT "FAIL" SHALL BE REMOVED AND REPLACED TO ACHIEVE A PASSING SUBGRADE.

EROSION CONTROL

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, NYSDEC, AND OWNER'S REPRESENTATIVE. IMMEDIATE ACTION BY THE CONTRACTOR SHALL BE TAKEN IF ADDITIONAL OR CORRECTIVE MEASURES ARE REQUIRED BY ANY ONE 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 GP-0-25-001. DISTURBANCES OF 1.0 ACRE OR GREATER REQUIRE THAT THE OWNER FILE A NOTICE OF INTENT (NOI) AND A SWPPP WITH THE NYSDEC UNDER STATE POLLUTANT DISCHARGE ELIMINATION SYSTEM (SPDES) GENERAL PERMIT #GP-0-25-001. THE REGULATIONS REQUIRE THAT A LICENSED PROFESSIONAL COMPLETE A WEEKLY INSPECTION (THROUGHOUT THE PERIOD OF LAND DISTURBANCE).

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 STRIPPING OPERATION, STOCKPILES SHALL BE STABILIZED IN ACCORDANCE TO NYSDEC REGULATIONS.

7. **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 AND MULCHED OR TREATED AS SPECIFIED ON CONTRACT DRAWINGS.

8. **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, THE SILTATION FACILITIES SHALL BE RE-EXCAVATED 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** - ALL DISTURBED AREAS NOT TO BE WORKED WITHIN 14 DAYS MUST BE SEEDED WITHIN 7 DAYS FROM THE LAST CONSTRUCTION ACTIVITY IN THAT AREA.

11. **TEMPORARY STABILIZATION** - TEMPORARY STABILIZATION SHALL REQUIRE 4 TONS OF STRAW/ ACRE OF DISTURBANCE PLACED WITH TACKIFIER OR ROLLED WITH A TRACKED VEHICLE TO ENSURE NOT DISPLACED.

12. **WINTER STABILIZATION** - ALL WINTER STABILIZATION METHODS IDENTIFIED IN THE NYS 'BLUE BOOK' SHALL BE FOLLOWED FOR ANY DISTURBANCE OR NON-STABILIZED AREAS FROM NOVEMBER 15TH - APRIL 1ST.

13. **SUBSOIL RESTORATION** - ALL AREAS TO BE RESTORED AS LAWN SHALL BE RESTORED PER CHAPTER 5 (5.1.6) OF THE NEW YORK STATE STORMWATER DESIGN MANUAL AND THE SOIL RESTORATION TABLE (TABLE 5.3 - SOIL RESTORATION REQUIREMENTS) SHOWN ON THE PLANS. THE PROJECT SOILS ARE HYDROLOGIC SOIL GROUP A AND SHALL BE RESTORED AS SPECIFIED.

CONSTRUCTION SEQUENCE

THE CONTRACTOR SHALL INSTALL EROSION CONTROL MEASURES IN THE FOLLOWING SEQUENCE UNLESS AUTHORIZED OTHERWISE BY THE TOWN AND TOWN ENGINEER. ALL AUTHORIZED CHANGES TO THE SEQUENCE SHALL BE ADDED TO THE REVISION SECTION OF THE SWPPP AND THE OWNER, ENGINEER, INSPECTOR AND TOWN OF CANANDAIGUA MS4 OFFICER SHALL BE NOTIFIED.

- START OF CONSTRUCTION
- INSTALL STABILIZED CONSTRUCTION ENTRANCE & CONCRETE WASH STATION
- DELINEATE WORK LIMITS
- PROTECT EXISTING VEGETATION AND OTHER ENVIRONMENTAL FEATURES TO BE PRESERVED WITH CONSTRUCTION BARRIERS.
- INSTALL REQUIRED PERIMETER SEDIMENT CONTROLS.
- CLEAR & GRUB SITE AREA TO DISTURBANCE LIMITS AS REQUIRED
- COMPLETION OF SITE CLEARING
- INSTALL SWALES AND STABILIZE
- INSTALL SEDIMENT TRAPS PRIOR TO COMPLETING SWALES
- INSTALL ADDITIONAL TEMPORARY DIVERSION SWALES AT ANY TIME AS SITE CONDITIONS REQUIRE.
- INSTALL CHECK DAMS AND SWALE LINING AS THE SWALES ARE CONSTRUCTED
- INSTALL ADDITIONAL EROSION AND SEDIMENT CONTROLS AS REQUIRED OR NECESSITATED BY SITE CONDITIONS.
- STRIP, STOCKPILE, AND STABILIZE TOPSOIL.
- ROUGH GRADE SITE.
- STABILIZE DENUDED AREAS AND STOCKPILES 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 7 DAYS IF DISTURBANCE BECOMES GREATER THAN 5 ACRES *WITHIN 3 DAYS IF BETWEEN NOVEMBER 15TH AND APRIL 1ST
- COMPLETION OF ROUGH GRADING
- INSTALL UTILITIES
- SITE WORK AT STREAM CROSSING. SEE STREAM CROSSING CONSTRUCTION SEQUENCE
- CLEAN AND MAINTAIN SEDIMENT TRAPS WHEN SEDIMENT REACHES 25% OF CAPACITY.
- INSTALL GUTTER AND SILT FENCE
- APPLY STONE TO ROAD
- START MODEL TOWNHOUSE
- COMPLETE FINAL GRADING, REAPPLY TOPSOIL, AND INSTALL PERMANENT SEEDING, FERTILIZER (CONTAINING NO PHOSPHORUS) AND MULCH.
- INSTALL BIO-RETENTION PLANTINGS
- COMPLETION OF FINAL LANDSCAPING
- COMPLETE FINAL PAVING.
- SUCCESSFUL ESTABLISHMENT OF LANDSCAPING IN PUBLIC AREAS
- REMOVE ALL SEDIMENT CONTROL PRODUCTS, TEMPORARY SEDIMENT TRAPS, AND DIVERSION SWALES AFTER SOILS ARE STABILIZED. SEED & MULCH ANY DISTURBED AREAS AFTER REMOVAL IS COMPLETE

RESTORATION AND LANDSCAPING

1. **GUARANTEE** - THE **AGREEMENT BETWEEN THE OWNER AND CONTRACTOR SHALL** DEFINE THE REQUIREMENTS, MAINTENANCE, AND TIME TO ESTABLISH NEW TURF AND LANDSCAPING ACCEPTANCE BY THE OWNER.

2. **TOPSOIL** - PLACE A MINIMUM OF **6 INCHES** (REQUIRED) OF TOPSOIL ON ALL DISTURBED SURFACES. FINE GRADE TO ESTABLISH THE DESIGN ELEVATIONS AND DRAINAGE PATTERNS. OBTAIN OWNER'S REPRESENTATIVE APPROVAL PRIOR TO SEEDING.

3. **SEED** - LAWN AREAS SHALL BE HYDROSEEDED WITH AN APPROVED: SEED MIXTURE, MULCH, AND FERTILIZER. THE APPLICATION RATE SHALL BE DETERMINED BY CONTRACTOR TO ESTABLISH A "STAND" OF GRASS. THE CONTRACTOR SHALL SUBMIT MATERIAL AND APPLICATION SPECIFICATIONS TO THE OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO APPLICATION.

4. **PLANT STOCK** - PLANT MATERIALS SHALL BE IN ACCORDANCE WITH "AMERICAN STANDARD FOR NURSERY STOCK". THE CONTRACTOR SHALL SUBMIT PLANT MATERIAL SPECIFICATIONS TO THE OWNER'S ON-SITE REPRESENTATIVE FOR APPROVAL PRIOR TO DELIVERY TO THE SITE.

5. **PLANT LOCATIONS** - THE PLANT LOCATIONS DEPICTED ON THE PLAN MAY BE FIELD ADJUSTED (SO THEY DO NOT INTERFERE WITH UTILITIES) AND TO THE SATISFACTION OF OWNER'S REPRESENTATIVE.

6. **PLANTING BEDS** - PROVIDE TWELVE INCHES (12") OF TOPSOIL, WEED FABRIC (AS DIRECTED BY OWNER), AND THREE INCHES (3") OF MULCH AT PLANTING BEDS, UNLESS SPECIFIED OTHERWISE ON DRAWINGS.

SOIL RESTORATION REQUIREMENTS

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

* 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".

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PRELIMINARY/FINAL SITE PLANS
for
THE PLACE AT WILLOWBROOK
1407-1451 PITTSFORD VICTOR ROAD
TOWN OF PERINTON MONROE COUNTY STATE OF NEW YORK

JOB NO:	1780-26
SCALE:	N.T.S.
DRAWN:	RLB
DESIGNED:	MPT
DATE:	06/12/2026

DATE	BY	REVISION
07/31/26	RB	DPW COMMENTS
09/10/26	RB	PRELIM COMMENTS

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110080
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DRAWING TITLE:
CONSTRUCTION NOTES & SPECIFICATIONS

1 of 21 SHEET No:	C0.1
1780-26 JOB No:	DRAWING No:

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PROJECT INFORMATION:

1. PARCEL DATA:

- 1.1. **ADDRESS:** 1407 & 1451 PITTSFORD VICTOR RD
- 1.2. **PARCEL TAX NUMBERS:** 193.02-1-19, 193.02-1-18.3/A, 193.02-1-18.3/B, & 193.02-1-18.3/D
- 1.3. **OWNER:** WP OP LLC
- 1.4. **AREA:** 3.766 AC, 2.66 AC, 2.967 AC, & 2.63 AC (12.02 TOTAL)

2. ZONING DATA:

- 2.1. **ZONING DISTRICT:** RB - RESTRICTED BUSINESS
- 2.2. **PROPOSED USE:** MULTI-FAMILY RESIDENTIAL

3. TOWN BULK REQUIREMENTS (§208-43): (MIXED USE BULK REQUIREMENTS ARE LISTED)

		REQUIRED	PROVIDED
3.1.	**LOT SIZE**	10,000 SF	129,242 SF (MIN)
3.2.	**WIDTH**	80 FT	244 FT
3.3.	**DEPTH**	250 FT	300+ FT
3.4.	**FRONT SETBACK**	10 FT MIN, 30 FT MAX*	300+ FT
3.5.	**SIDE SETBACK**	15 FT	15.9 FT
3.6.	**REAR SETBACK**	15 FT	44.2 FT
3.6.	**MAX LOT COVERAGE**	75%	35%[1]
3.7.	**MAX BUILDING HEIGHT**	**40 FT**	**67 FT***

* PLANNING BOARD WAIVER REQUIRED. GRANTED __/__/2026

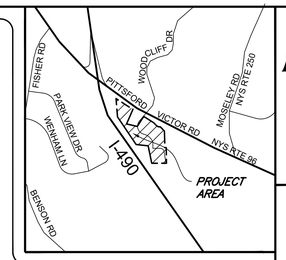
4. TOWN PARKING REQUIREMENTS (§208-16):

4.1.	**REQUIRED**	320[2]
4.2.	**PROVIDED**	330

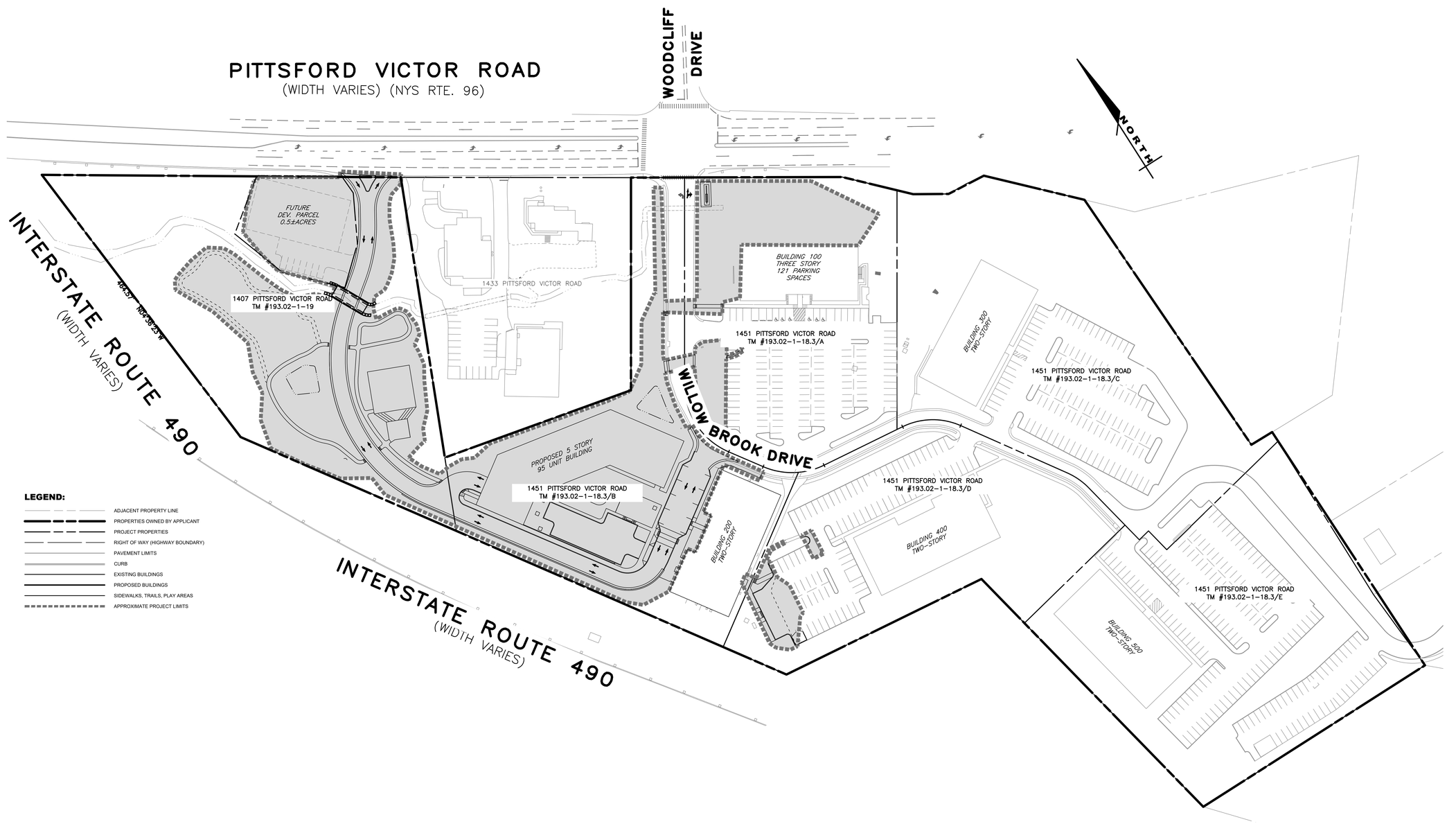
***WAIVER REQUIRED FROM THE PLANNING BOARD** §208-43.C(10)

(1) GREENSPACE IS CALCULATED FOR 1451/B (BLDG 200) AND 1407 ONLY WHERE NEW IMPERVIOUS IS PLACED.
(2) REQUIRED PARKING IS CALCULATED FROM ITE PARKING GENERATOR MANUAL 85TH PERCENTILE
SEE ENGINEERING REPORT FOR FULL DETAIL

SPECIAL USE PERMIT GRANTED JUNE 11, 2025 FOR MIXED USE GREATER THAN 1 ACRE IN SIZE (§208-43.C(1))



TOWN OF PERINTON
LOCATION MAP
NOT TO SCALE



LEGEND:

- ADJACENT PROPERTY LINE
- PROPERTIES OWNED BY APPLICANT
- PROJECT PROPERTIES
- RIGHT OF WAY (HIGHWAY BOUNDARY)
- PAVEMENT LIMITS
- CURB
- EXISTING BUILDINGS
- PROPOSED BUILDINGS
- SIDEWALKS, TRAILS, PLAY AREAS
- APPROXIMATE PROJECT LIMITS

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PRELIMINARY/FINAL SITE PLANS
for
THE PLACE AT WILLOWBROOK
1407-1451 PITTSFORD VICTOR ROAD
MONROE COUNTY COUNTYSTATE OF STATE OF NEW YORK
TOWN OF PERINTON

JOB NO:	1780-26
SCALE:	1"=60'
DRAWN:	RLB
DESIGNED:	MPT
DATE:	06/12/2026

DATE	BY	REVISION
07/31/26	RB	DPW COMMENTS
09/10/26	RB	PRELIM COMMENTS

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COLE M. PAPASERGI

DRAWING TITLE:
OVERALL PLAN

2 of 21 SHEET No:
1780-26 JOB No:
C1.0 DRAWING No:

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SURVEY NOTES

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.
   - SANITARY SEWERS WERE PLOTTED FROM RECORD MAPS RECEIVED FROM TOWN OF PERINTON ON 01/15/2025
   - WATER SERVICES AND MAINS WERE PLOTTED FROM RECORD MAPS RECEIVED FROM TOWN OF PERINTON ON 01/15/2025
   - STORM SEWERS WERE PLOTTED FROM RECORD MAPS RECEIVED FROM TOWN OF PERINTON ON 01/15/2025
   - UNDERGROUND GAS SERVICES AND MAINS WERE PLOTTED FROM RECORD MAPS RECEIVED FROM RG&E ON 01/20/2025
   - UNDERGROUND ELECTRIC LINES WERE PLOTTED FROM RECORD MAPS RECEIVED FROM RG&E ON 01/20/2025
2. **STAKEOUT -** THE CONTRACTOR SHALL NOTIFY DIG SAFELY NEW YORK (1-800-962-7962) FOR A UTILITY STAKEOUT 48 HOURS IN ADVANCE OF COMMENCING WORK. STAKEOUT OF PRIVATE UTILITIES SHALL BE COORDINATED WITH THE OWNER.
3. **BOUNDARY -** BOUNDARY INFORMATION WAS TAKEN FROM THE MAPS AND DOCUMENTS REFERENCED ON THIS SHEET.
4. **DATUM -** THE VERTICAL DATUM IS NAVD88. THE HORIZONTAL DATUM IS NAD83 WESTERN ZONE.
5. **FLOODPLAIN -** THE PROPERTY IS LOCATED IN ZONE "X" AND IS NOT LOCATED GRAPHICALLY IN THE FLOODPLAIN AS SHOWN ON COMMUNITY PANEL No 36055C0387G, DATED 08/28/2008

REFERENCES

1. WILLOWBROOK TO THE UNILAND PARTNERSHIP OF DELAWARE L.P. BY DEED FILED JUNE 30, 2000 AS LIBER 9330, PAGE 156
2. WILLOWBROOK II LLC TO MONROE COUNTY INDUSTRIAL DEVELOPMENT AGENCY BY DEED FILED APRIL 12, 2000 AS LIBER 9296, PAGE 164
3. WILLIAM C. FOSTER CORP. - FINAL SUBDIVISION PLAT & FINAL SITE PLAN FILED MARCH 30, 1982 AS LIBER 219, PAGE 49
4. MINOR SUBDIVISION FILED MARCH 14, 1991 AS LIBER 266, PAGE 69
5. WILLOWBROOK 600 - SUBDIVISION MAP FILED MAY 22, 2001 AS LIBER 308, PAGE 47
6. MORREL OFFICE CENTER - CONSOLIDATION PLAT FILED MARCH 9, 2009 AS LIBER 336, PAGE 31
7. WILLOWBROOK OFFICE PARK - TAX PARCEL MAP LAST DATED JULY 18, 1989
8. CHICAGO TITLE INSURANCE COMPANY SEARCH #2516-0105SCH, LAST DATED JANUARY 15, 2025

APPROVED BY:

COMMISSIONER OF PUBLIC WORKS
DATE: _____

PITTSFORD VICTOR ROAD
(WIDTH VARIES) (NYS RTE. 96)

1451 PITTSFORD VICTOR ROAD
TM #193.02-1-18.3/A
AREA: 115,949 SQ. FT. TO ℄
2.662 ACRES TO ℄

1451 PITTSFORD VICTOR ROAD
TM #193.02-1-18.3/A
AREA: 129,225 SQ. FT. TO ℄
2.96 ACRES TO ℄

MATCH LINE A

MATCH LINE (SEE SHEET V1.1)

INTERSTATE ROUTE 490

LEGEND:

- ADJACENT PROPERTY LINE
- PROJECT PROPERTY LINE
- EASEMENT LINE
- EXISTING GAS MAIN & VALVE
- EXISTING ELECTRIC CONDUIT & STRUCTURE
- EXISTING STORM MAIN, MANHOLE, AND INLET
- EXISTING SANITARY MAIN & MANHOLE
- EXISTING WATER MAIN, VALVE, & HYDRANT
- EXISTING CONTOUR
- DEMOLISH UTILITY
- TREE REMOVAL
- WORK LIMIT LINE

TREES TO REMAIN
TREES TO BE REMOVED (TYP.)
PROTECT ALL TREES NOT MARKED FOR REMOVAL
REMOVE
INFILTRATION TEST LOCATION (TYP.)
STORM MANHOLE TO REMAIN
REMOVE LIGHT POSTS & BASES WITHIN WORK LIMITS (TYP.)
BORING SITE (TYP.)
EXISTING PIPE TO BE REMOVED/ABANDONED
WORK LIMIT LINE
CLEARING LIMITS
REMOVE ASPHALT UP TO LIMITS
REMOVE VEGETATION UP TO CLEARING LIMITS
REMOVE STRUCTURES WITHIN LIMITS
CURB ISLANDS AND VEGETATION TO BE REMOVED
WORK LIMIT LINE 4.20 ACRES
LIGHT POSTS TO BE REMOVED WITHIN WORK LIMITS
CONCRETE CURB REMOVED UP TO WORK LIMIT LINE
SAW CUT AND RESTORE CURB
LIMITS OF UTILITY TRENCHING SAW CUT ASPHALT 1FT BEYOND LIMITS
REMOVE EXISTING TREES
SAWCUT SIDEWALK AND GUTTER AT NEAREST JOINT.
SAW CUT 1' BEYOND NEW PAVEMENT FOR CLEAN MATCH
REMOVE GUTTER TO LIMITS
SAWCUT AT NEAREST JOINT
MASONRY DIRECTORY 200 WILLOBROOK COORDINATE SIGN RELOCATION W/ OWNER
SIDEWALK AND LANDSCAPING TO BE REMOVED UP TO BUILDING FACADE
REMOVE EXISTING CURB AND TREE UP TO LIMITS
START CURB REMOVAL
COORDINATE LIMITS OF REMOVAL W/ ARCHITECT
CONTRACTOR IS INSTRUCTED TO PROTECT EXISTING UTILITIES AT ALL TIMES DURING CONSTRUCTION. ANY CONFLICTS ARE TO BE REPORTED TO THE ENGINEER OF RECORD.
SAWCUT & REMOVE ASPHALT SIDEWALK UP TO LIMITS
REMOVE CURB & SIDEWALK
LIMIT OF PAVEMENT REMOVAL COORDINATE WITH SITE PLAN
REMOVE STORM UP TO NEW STRUCTURE SEE UTILITY PLAN
REMOVE STRUCTURE
REMOVE VEGETATION UP TO CLEARING LIMITS
PROTECT & ADJUST RIM AS REQUIRED
END CURB REMOVAL
PROTECT LIGHT SEE LIGHTING PLANS FOR FIXTURE REPLACEMENTS
FENCE TO BE PROTECTED DURING CONSTRUCTION

NORTH

0 20 40
SCALE

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PRELIMINARY/FINAL SITE PLANS
for
THE PLACE AT WILLOWBROOK

1407-1451 PITTSFORD VICTOR ROAD
TOWN OF PERINTON MONROE COUNTY COUNTSTATE OF STATE OF NEW YORK

JOB NO:	1780-26
SCALE:	1"=20'
DRAWN:	RLB
DESIGNED:	MPT
DATE:	06/12/2026

DATE	BY	REVISION
07/31/26	RB	DPW COMMENTS
09/10/26	RB	PRELIM COMMENTS

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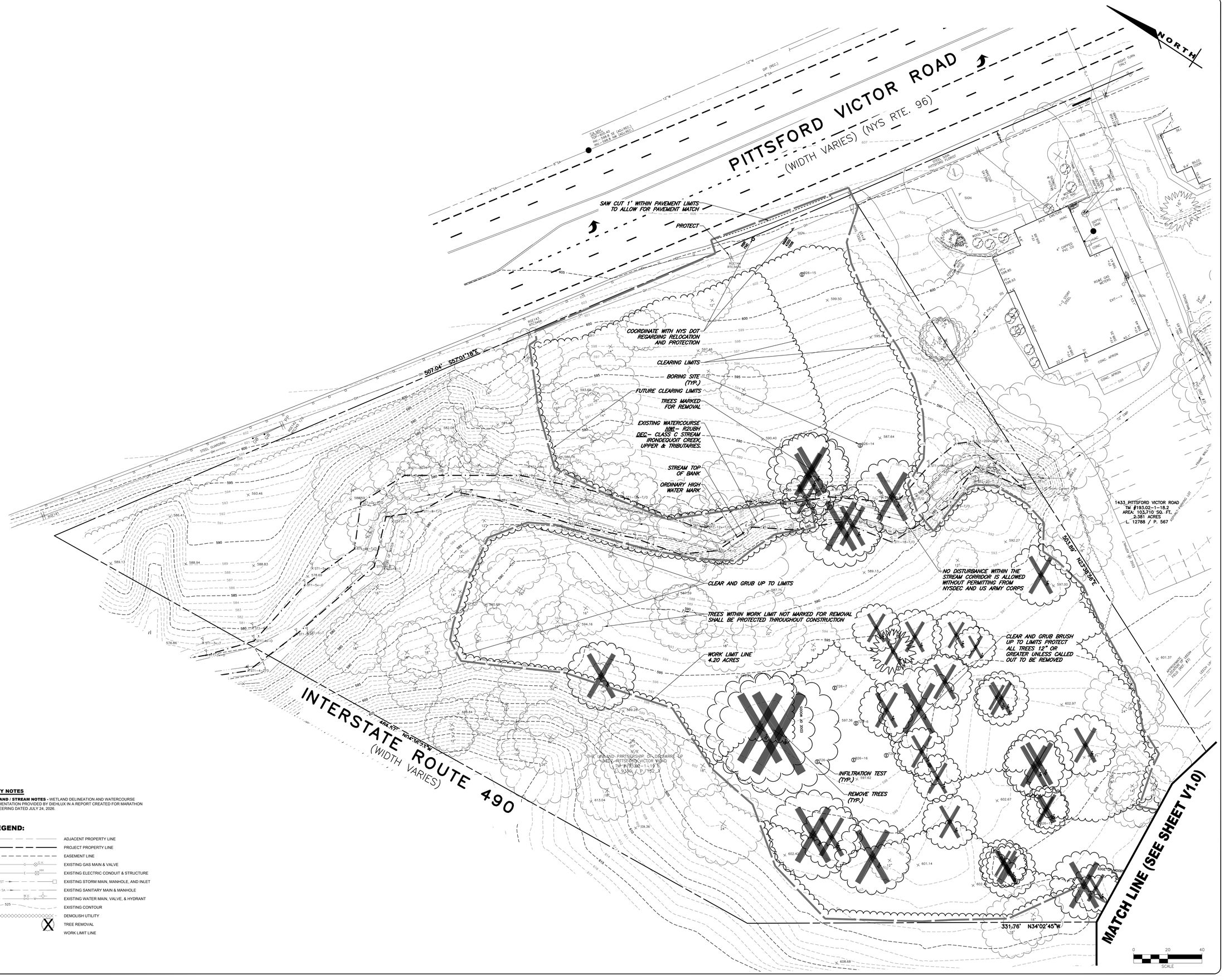
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DRAWING TITLE:
EX. CONDITIONS & DEMOLITION PLAN

3 of 21	V1.0
SHEET No:	DRAWING No:
1780-26	
JOB No:	

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SURVEY NOTES

- **WETLAND / STREAM NOTES** - WETLAND DELINEATION AND WATERCOURSE DOCUMENTATION PROVIDED BY DIEHLUX IN A REPORT CREATED FOR MARATHON ENGINEERING DATED JULY 24, 2026.

LEGEND:

- ADJACENT PROPERTY LINE
- PROJECT PROPERTY LINE
- EASEMENT LINE
- EXISTING GAS MAIN & VALVE
- EXISTING ELECTRIC CONDUIT & STRUCTURE
- EXISTING STORM MAIN, MANHOLE, AND INLET
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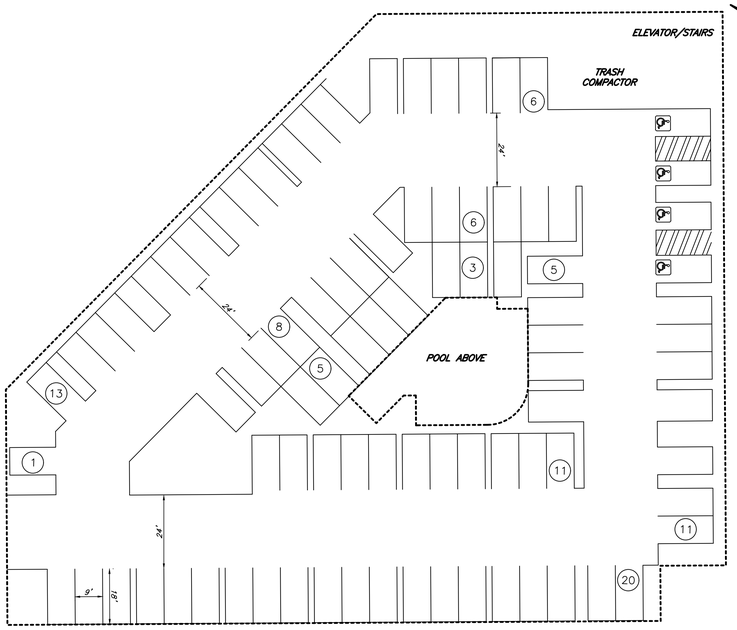
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DRAWING TITLE:
EX. CONDITIONS & DEMOLITION PLAN

4 of 21 SHEET No:	V1.1
1780-26 JOB No:	DRAWING No:

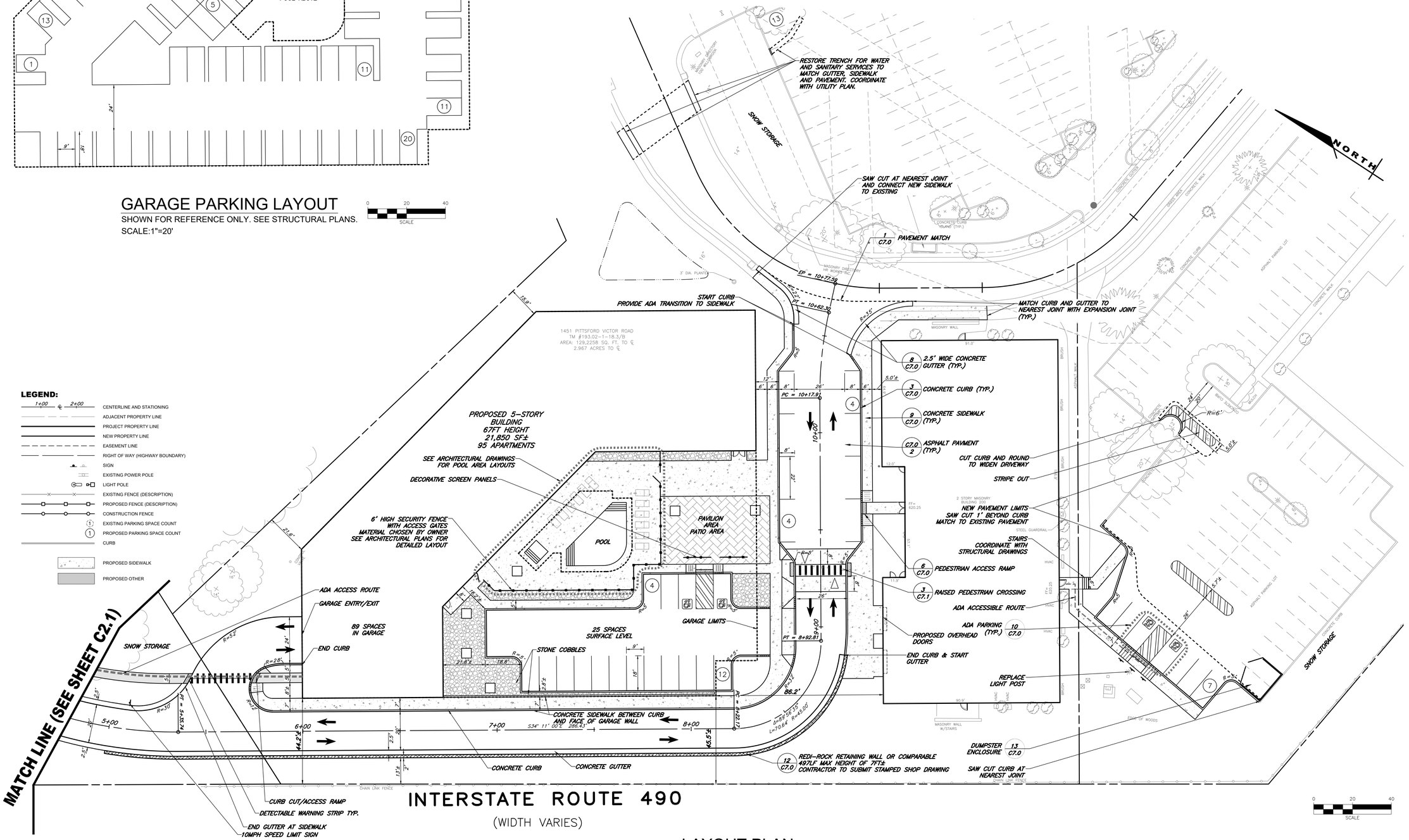
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GARAGE PARKING LAYOUT

SHOWN FOR REFERENCE ONLY. SEE STRUCTURAL PLANS.
SCALE:1"=20'

0 20 40
SCALE



LAYOUT PLAN

SCALE:1"=20'

APPROVED BY:	
FIRE CHIEF	DATE:
APPROVED BY:	
COMMISSIONER OF PUBLIC WORKS	DATE:
APPROVED BY:	
TOWN ENGINEER	DATE:
APPROVED BY:	
PLANNING BOARD CHAIRPERSON	DATE:
APPROVED BY:	
PLANNING BOARD ATTORNEY	DATE:

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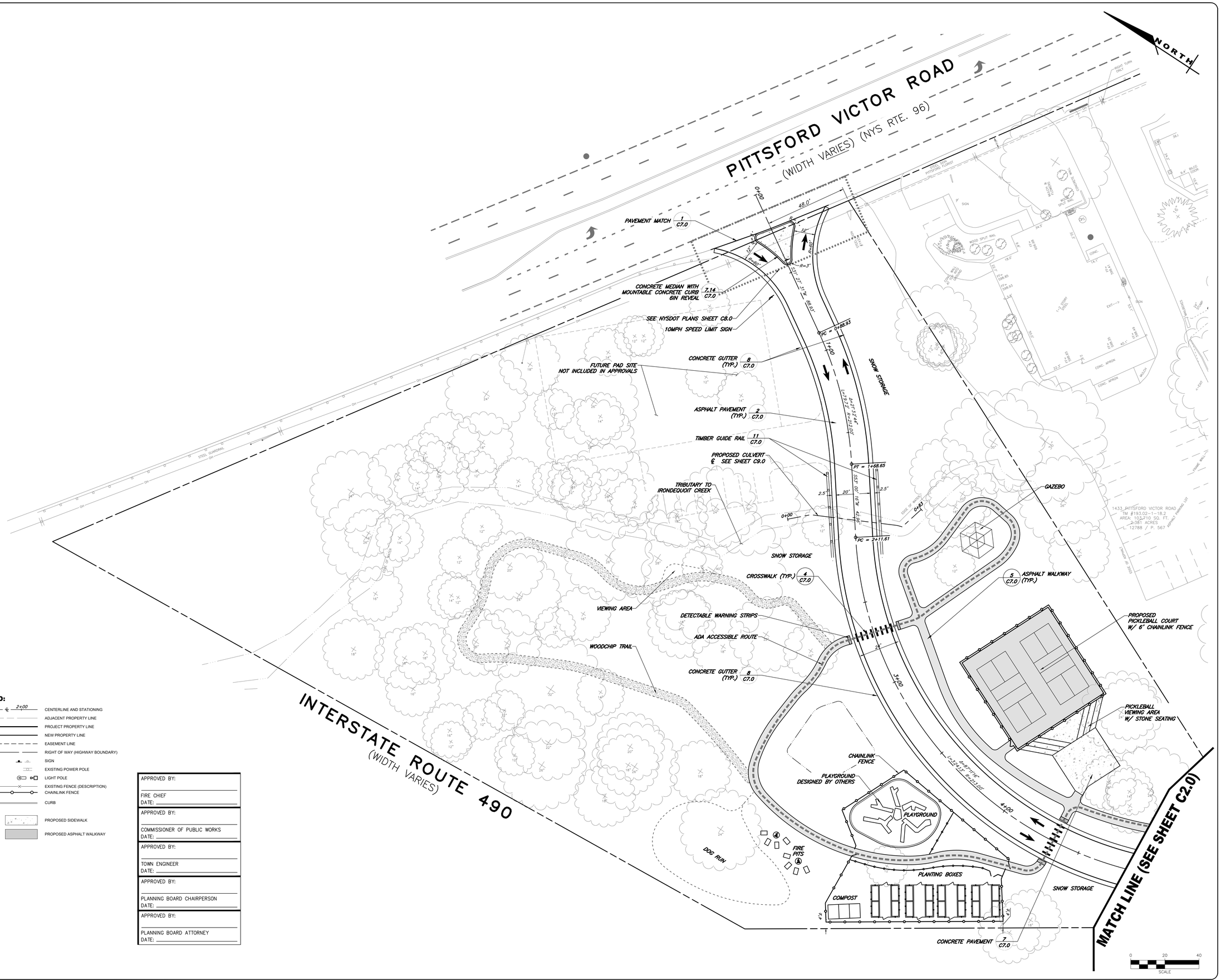
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DRAWING TITLE:
LAYOUT PLANS

5 of 21 SHEET No:	C2.0
1780-26 JOB No:	DRAWING No:

File: Z:\Engineering\Job Files\1780-24\Drawings_Sheets\1780-26 C2.x LAYOUT.dwg, Last saved: 9/10/2026, Plot Date: 9/10/2026, By: RAFAEL BARRETO, Plot Style: MARATHON STANDARD.CTB



LEGEND:

- 1+00 / 2+00 — CENTERLINE AND STATIONING
- ADJACENT PROPERTY LINE
- PROJECT PROPERTY LINE
- NEW PROPERTY LINE
- EASEMENT LINE
- RIGHT OF WAY (HIGHWAY BOUNDARY)
- SIGN
- EXISTING POWER POLE
- LIGHT POLE
- EXISTING FENCE (DESCRIPTION)
- CHAINLINK FENCE
- CURB
- PROPOSED SIDEWALK
- PROPOSED ASPHALT WALKWAY

APPROVED BY: _____ FIRE CHIEF DATE: _____
APPROVED BY: _____ COMMISSIONER OF PUBLIC WORKS DATE: _____
APPROVED BY: _____ TOWN ENGINEER DATE: _____
APPROVED BY: _____ PLANNING BOARD CHAIRPERSON DATE: _____
APPROVED BY: _____ PLANNING BOARD ATTORNEY DATE: _____

MARATHON ENGINEERING
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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/FINAL SITE PLANS
for
THE PLACE AT WILLOWBROOK

1407-1451 PITTSFORD VICTOR ROAD
MONROE COUNTY COUNTYSTATE OF NEW YORK
TOWN OF PERINTON

JOB NO:	1780-26
SCALE:	1"=20'
DRAWN:	RLB
DESIGNED:	MPT
DATE:	06/12/2026

DATE	BY	REVISION
07/31/26	RB	DPW COMMENTS
09/10/26	RB	PRELIM COMMENTS

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STATE OF NEW YORK — COLE M. PAPASERGI — 110080 — LICENSED PROFESSIONAL ENGINEER

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COLE M. PAPASERGI

DRAWING TITLE:
LAYOUT PLANS

6 of 21 SHEET No:	C2.1
1780-26 JOB No:	DRAWING No:

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File: Z:\Engineering\Job Files\1780-24\Drawings_Sheets\1780-26 C3.X UTILITY.dwg, Last saved: 9/10/2026, Plot Date: 9/10/2026, By: RAFAEL BARRETO, Plot Style: MARATHON STANDARD.CTB

Monroe County Department of Public Health

These plans for Public Water System Extension / Improvement are hereby approved pursuant to 10NYCRRS of the State Sanitary Code subject to conditions of Approval

Director of Public Health

By Public Health Engineer Date

APPROVED BY:
MONROE COUNTY WATER AUTHORITY
DATE:

APPROVED BY:
COMMISSIONER OF PUBLIC WORKS
DATE:

APPROVED BY:
TOWN ENGINEER
DATE:

APPROVED BY:
PLANNING BOARD CHAIRPERSON
DATE:

APPROVED BY:
PLANNING BOARD ATTORNEY
DATE:

APPROVED BY:
FIRE CHIEF
DATE:

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PRELIMINARY/FINAL SITE PLANS for THE PLACE AT WILLOWBROOK

1407-1451 PITTSFORD VICTOR ROAD
MONROE COUNTY COUNTSTATE OF SNEW YORK
TOWN OF PERINTON

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COLE M. PAPASERGI

DRAWING TITLE:
UTILITY PLANS

7 of 21	C3.0
SHEET No:	DRAWING No:
1780-26	
JOB No:	

PITTSFORD VICTOR ROAD
(WIDTH VARIES) (NYS RTE. 96)

MATCH LINE A

MATCH LINE (SEE SHEET C3.1)

INTERSTATE ROUTE 490
(WIDTH VARIES)

UTILITY PLAN
SCALE:1"=20'

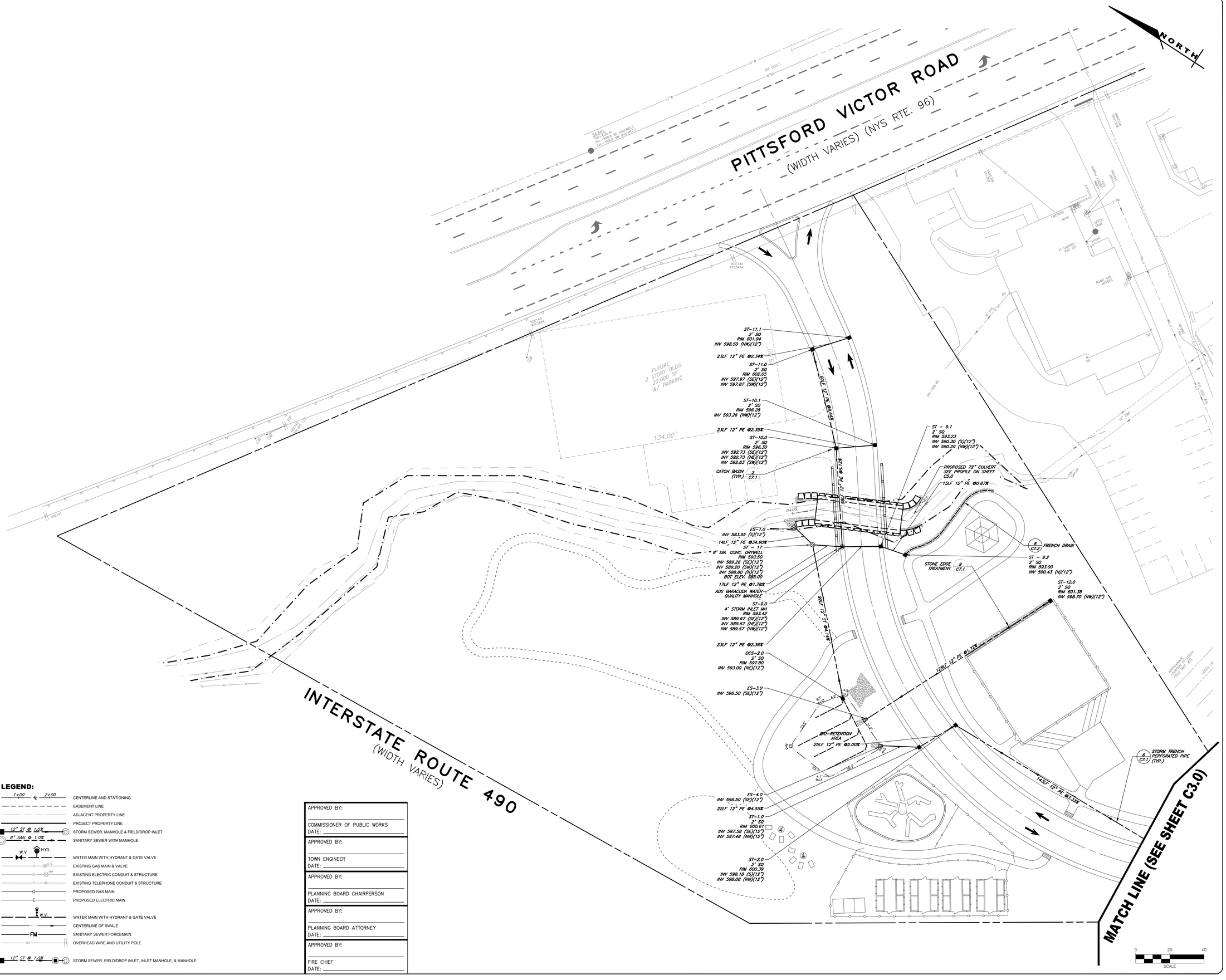
NORTH

0 20 40
SCALE

LEGEND:

- 1+00 2+00 — CENTERLINE AND STATIONING
- EASEMENT LINE
- ADJACENT PROPERTY LINE
- PROJECT PROPERTY LINE
- 12" ST @ 1.0% — STORM SEWER, MANHOLE & FIELD/DROP INLET
- 8" SAN @ 1.0% — SANITARY SEWER WITH MANHOLE
- W.V. HYD. — WATER MAIN WITH HYDRANT & GATE VALVE
- EXISTING GAS MAIN & VALVE
- EXISTING ELECTRIC CONDUIT & STRUCTURE
- EXISTING TELEPHONE CONDUIT & STRUCTURE
- PROPOSED GAS MAIN
- PROPOSED ELECTRIC MAIN
- W.V. — WATER MAIN WITH HYDRANT & GATE VALVE
- CENTERLINE OF SWALE
- FM — SANITARY SEWER FORCEMAIN
- OH — OVERHEAD WIRE AND UTILITY POLE
- 12" ST @ 1.0% — STORM SEWER, FIELD/DROP INLET, INLET MANHOLE, & MANHOLE

NOTE:
ALL STORM SEWER PIPE AND STRUCTURES CONSTRUCTED WITH THIS PROJECT SHALL REMAIN PRIVATE



LEGEND:

- 1+00 2+00 — CENTERLINE AND STATIONING
- EASEMENT LINE
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- PROJECT PROPERTY LINE
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- 12" ST @ 1.0% — STORM SEWER, FIELD/DROP INLET, INLET MANHOLE, & MANHOLE

APPROVED BY: _____ COMMISSIONER OF PUBLIC WORKS DATE: _____
APPROVED BY: _____ TOWN ENGINEER DATE: _____
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APPROVED BY: _____ PLANNING BOARD ATTORNEY DATE: _____
APPROVED BY: _____ FIRE CHIEF DATE: _____

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PRELIMINARY/FINAL SITE PLANS
for
THE PLACE AT WILLOWBROOK

1407-1451 PITTSFORD VICTOR ROAD
TOWN OF PERINTON — MONROE COUNTY COUNTYSTATE OF STATE OF NEW YORK

JOB NO:	1780-26
SCALE:	1"=20'
DRAWN:	RLB
DESIGNED:	MPT
DATE:	06/12/2026

DATE	BY	REVISION
07/31/26	RB	DPW COMMENTS
09/10/26	RB	PRELIM COMMENTS

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STATE OF NEW YORK — COLE M. PAPASERGI — 110080 — LICENSED PROFESSIONAL ENGINEER

NOT FOR CONSTRUCTION

COLE M. PAPASERGI

DRAWING TITLE:
UTILITY PLANS

8 of 21 SHEET No:	C3.1 DRAWING No:
1780-26 JOB No:	

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APPROVED BY:
COMMISSIONER OF PUBLIC WORKS DATE:
APPROVED BY:
TOWN ENGINEER DATE:

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PRELIMINARY/FINAL SITE PLANS
for
THE PLACE AT WILLOWBROOK

1407-1451 PITTSFORD VICTOR ROAD
MONROE COUNTY COUNTYSTATE OF STATE OF NEW YORK
TOWN OF PERINTON

LEGEND:

- 1+00 — ℄ — 2+00 : CENTERLINE AND STATIONING
- ADJACENT PROPERTY LINE
- PROJECT PROPERTY LINE
- STORM SEWER, MANHOLE & FIELD/DROP INLET
- CENTERLINE OF SWALE
- GRADING LIMITS
- WETLANDS
- FLOODPLAIN
- 525 : EXISTING CONTOUR
- 560 : PROPOSED MAJOR CONTOUR
- 559 : PROPOSED MINOR CONTOUR
- DRAINAGE FLOW ARROW
- 525.0± : EXISTING SPOT ELEVATION
- 552.5 : PROPOSED SPOT ELEVATION
- EXISTING POWER POLE
- EXISTING TREE LINE
- TREE LINE / CLEARING LIMITS

MATCH LINE (SEE SHEET C4.1)

INTERSTATE ROUTE 490
(WIDTH VARIES)

SET RIM OF CLEANOUT FLUSH WITH FINISHED GRADE

REMOVE EXCESS SOIL FROM SITE

REMOVE EXCESS SOILS FROM SITE

PROPOSED BUILDING
FF=619.0
GARAGE FF=608.0

GARAGE FF = 608.0

FF=619.0

1 C7.3 SILT FENCE (TYP.)

9 C7.2 PAVED INLET PROTECTION

7 C7.2 STABILIZED CONSTRUCTION ENTRANCE

10 C7.2 CONCRETE WASHOUT

FIELD INLET PROTECTION 2 C7.3

ADJUST RIM ELEVATION OF HAND HOLE

2 STORY MASONRY BUILDING 200

MASONRY WALL W/STAIRS

EDGE OF WOODS

CHAIN LINK FENCE

SCALE 0 20 40

JOB NO:	1780-26
SCALE:	1"=20'
DRAWN:	RLB
DESIGNED:	MPT
DATE:	06/12/2026

DATE	BY	REVISION
07/31/26	RB	DPW COMMENTS
09/10/26	RB	PRELIM COMMENTS

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STATE OF NEW YORK
COLE M. PAPASERGI
110080
LICENSED PROFESSIONAL ENGINEER

NOT FOR CONSTRUCTION

COLE M. PAPASERGI

DRAWING TITLE:
GRADING & EROSION CONTROL PLANS

9 of 21 SHEET No:	C4.0
1780-26 JOB No:	DRAWING No:

File: Z:\Engineering\Job Files\1780-24\Drawings_Sheets\1780-26 C4.X GRADING.dwg, Last saved: 9/10/2026, Plot Date: 9/10/2026, By: RAFAEL BARRETO, Plot Style: MARATHON STANDARD.CTB



LEGEND:

- CENTERLINE AND STATIONING (1+00 ℄ 2+00)
- ADJACENT PROPERTY LINE
- PROJECT PROPERTY LINE
- STORM SEWER, MANHOLE & FIELD/DROP INLET
- CENTERLINE OF SWALE
- GRADING LIMITS
- WETLANDS
- FLOODPLAIN
- EXISTING CONTOUR (525)
- PROPOSED MAJOR CONTOUR (560)
- PROPOSED MINOR CONTOUR (552)
- DRAINAGE FLOW ARROW
- EXISTING SPOT ELEVATION (525.08)
- PROPOSED SPOT ELEVATION (552.2)
- EXISTING POWER POLE
- EXISTING TREE LINE
- TREE LINE / CLEARING LIMITS

APPROVED BY:

COMMISSIONER OF PUBLIC WORKS
DATE: _____

APPROVED BY:

TOWN ENGINEER
DATE: _____

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PRELIMINARY/FINAL SITE PLANS
for
THE PLACE AT WILLOWBROOK

1407-1451 PITTSFORD VICTOR ROAD
MONROE COUNTY COUNTSTATE OF STATE OF NEW YORK
TOWN OF PERINTON

JOB NO:	1780-26
SCALE:	1"=20'
DRAWN:	RLB
DESIGNED:	MPT
DATE:	06/12/2026

DATE	BY	REVISION
07/31/26	RB	DPW COMMENTS
09/10/26	RB	PRELIM COMMENTS

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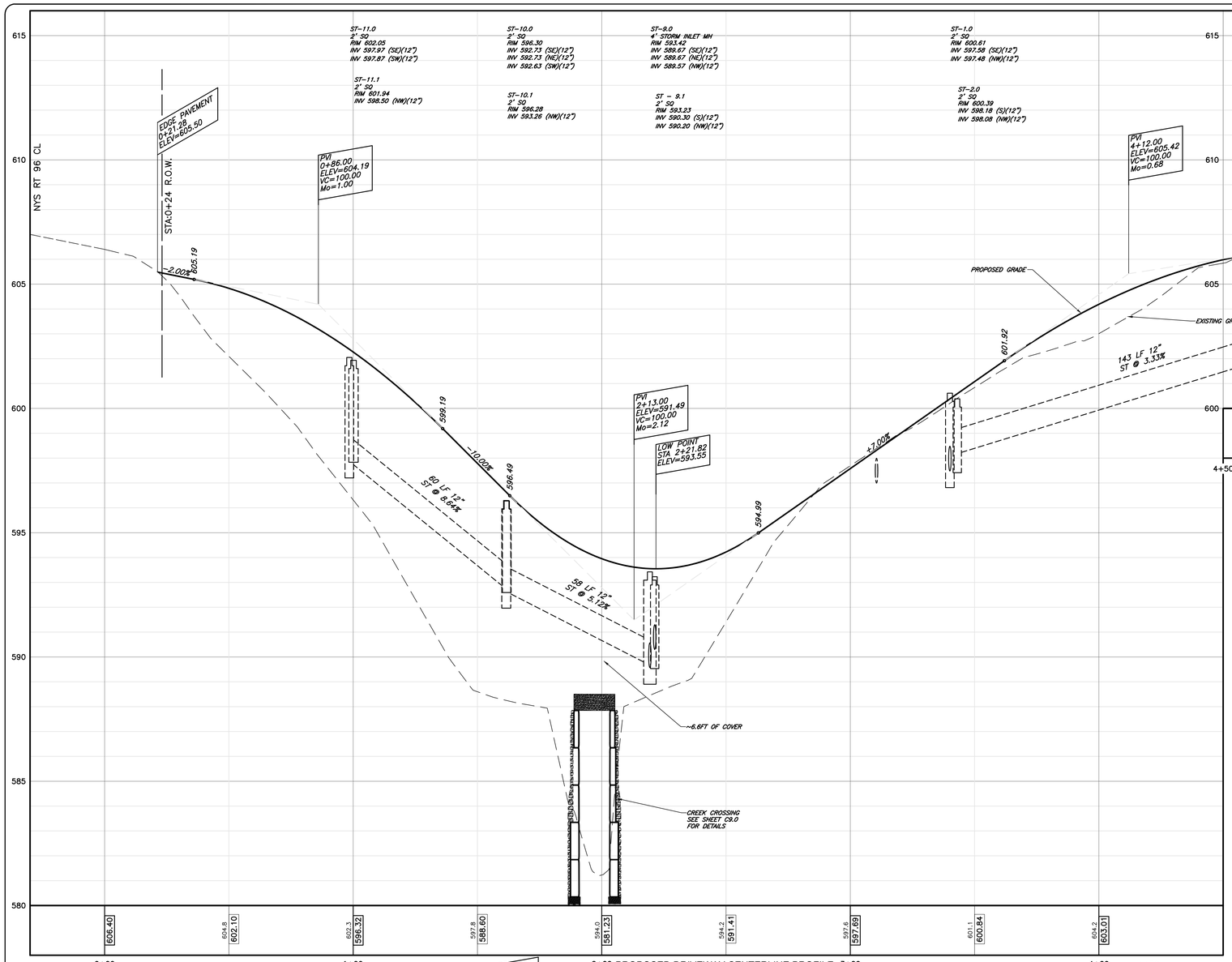
WORK NOT CONSIDERED COMPLETE UNTIL SIGNED

COLE M. PAPASERGI

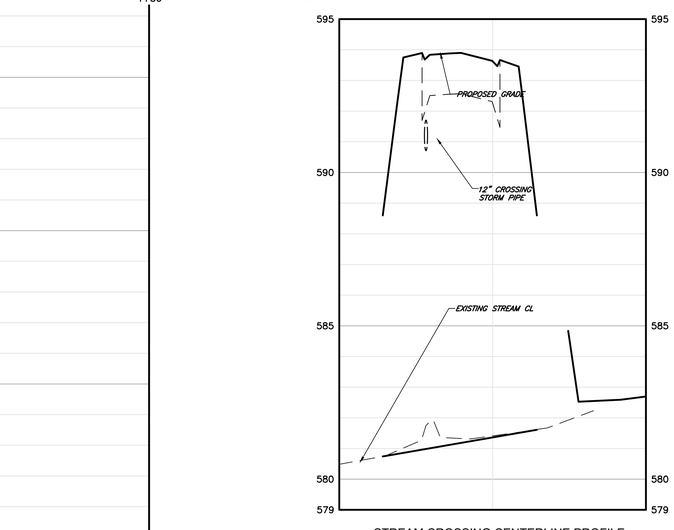
DRAWING TITLE:
GRADING & EROSION CONTROL PLANS

10 of 21 SHEET No:	C4.1
1780-26 JOB No:	DRAWING No:

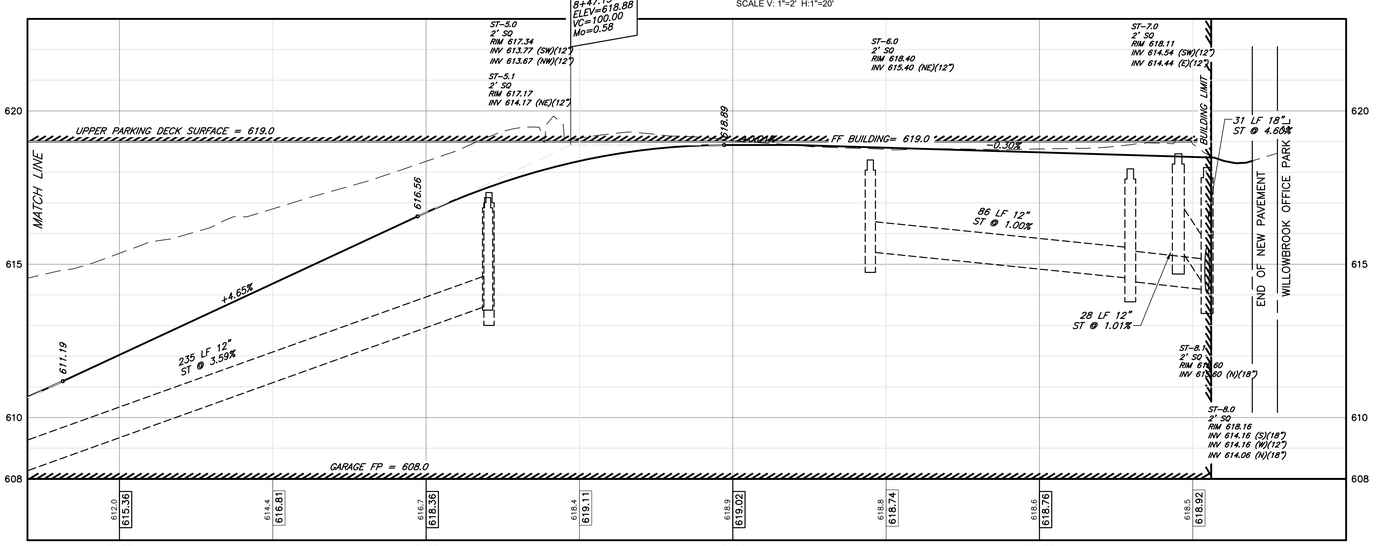
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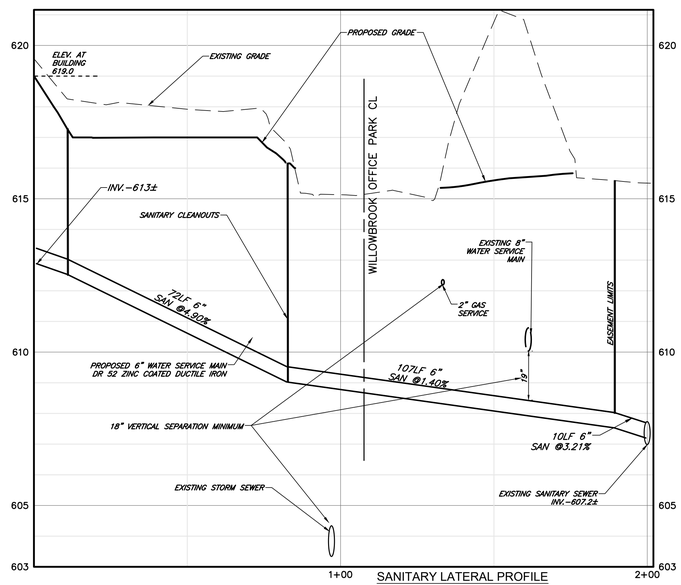


PROPOSED DRIVEWAY CENTERLINE PROFILE
SCALE V: 1"=2' H:1"=20'



STREAM CROSSING CENTERLINE PROFILE
SCALE V: 1"=2' H:1"=20'





SANITARY LATERAL PROFILE
SCALE V: 1"=2' H:1"=20'

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PRELIMINARY/FINAL SITE PLANS
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THE PLACE AT WILLOWBROOK
1407-1451 PITTSFORD VICTOR ROAD
MONROE COUNTY COUNTSTATE OF STATE OF NEW YORK
TOWN OF PERINTON

JOB NO:	1780-26
SCALE:	AS SHOWN
DRAWN:	RLB
DESIGNED:	MPT
DATE:	06/12/2026

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COLE M. PAPASERGI
110080
LICENSED PROFESSIONAL ENGINEER
NOT FOR CONSTRUCTION

DRAWING TITLE:
PROJECT PROFILES

11 of 21	C5.0
SHEET No:	
1780-26	
JOB No:	DRAWING No:

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PITTSFORD VICTOR ROAD

(WIDTH VARIES) (NYS RTE. 96)

MATCH LINE A

MATCH LINE (SEE SHEET C6.1)

INTERSTATE ROUTE 490

PROPOSED BUILDING

2 STORY MASONRY BUILDING 200

LEGEND:

0.2FC
0.5FC
1FC
2FC
3FC
LIGHTING CONTOUR (FOOT CANDLES)

ROW OF SIMILAR PLANTS

Luminaire Schedule									
Code	Qty	Label	Arrangement	Description	Tag	LLF	Luminaire Lumens	Luminaire Watts	Mounting Height
B1	12	ALTB-6-120_277-FFD-H6-CL-N05-30K-CRI 70-2	Single	ALTB-6-120_277-FFD-H6-CL-N05-30K-CRI 70-2	B1	1.000	383	5.2	3
P1	3	RSB25-PLED-VSQ-W-48LED-700mA-30K	Single	RSB25-PLED-VSQ-W-48LED-700mA-30K	P1	1.000	13024	104.2	19
P2	23	RSB25-PLED-III-W-48LED-700mA-30K-HS	Single	RSB25-PLED-III-W-48LED-700mA-30K-HS	P2	1.000	9336	104.2	19

APPROVED BY:
COMMISSIONER OF PUBLIC WORKS
DATE:

APPROVED BY:
TOWN ENGINEER
DATE:

APPROVED BY:
PLANNING BOARD CHAIRPERSON
DATE:

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MONROE COUNTY COUNTSTATE OF STATE OF NEW YORK
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COLE M. PAPASERGI
110080
LICENSED PROFESSIONAL ENGINEER

COLE M. PAPASERGI

DRAWING TITLE:
LANDSCAPING & LIGHTING PLAN

12 of 21 SHEET No:	C6.0
1780-26 JOB No:	DRAWING No:

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Plant Schedule

Flowering Trees

Key	Common Name	Botanical Name	Count	Size	Root	Mature Size H×W	Bloom / Season	Fall Interest
Ag	Serviceberry 'Autumn Brilliance'	Amelanchier x grandiflora		2" cal.	B&B	20'×15'	White, April	Red-orange
Cc	Eastern Redbud	Cercis canadensis	3	2" cal.	B&B	20'×25'	Magenta-pink, April	Yellow
Sr	Ivory Silk Tree Lilac	Syringa reticulata 'Ivory Silk'	3	2" cal.	B&B	20'×15'	Creamy white, June	Minimal
Mp	Prairifire Crabapple	Malus 'Prairifire'		2" cal.	B&B	20'×20'	Deep pink-red, May	Orange

Shade Trees

Key	Common Name	Botanical Name	Count	Size	Root	Mature Size H×W	Bloom / Season	Fall Interest
Arx	Celebration® Freeman Maple	Acer × freemanii 'Celzam'	3	2.5" cal.	B&B	45–50' × 25–35'	Red buds, April	Orange-red
Ar	Bowhall Red Maple	Acer rubrum 'Bowhall'	9	2.5" cal.	B&B	45'×15'	Red buds, April	Orange-red
Ov	Eastern Hophornbeam	Ostrya virginiana	2	2.5" cal.	B&B	25–40' × 15–25'	Pendulous catkins, April	Golden yellow
Ss	Golden Weeping Willow	Salix × sepulcralis 'Chrysocoma'	4	2.5" cal.	B&B	40–60' × 40–60'	Yellow catkins, March–April	Golden yellow; golden stems winter
Zm	Musashino Zelkova	Zelkova serrata 'Musashino'	3	2.5" cal.	B&B	35–45' × 5–7'	Inconspicuous, April	Orange-red-russet

Evergreen Trees

Key	Common Name	Botanical Name	Count	Size	Root	Mature Size H×W	Bloom / Season	Fall Interest
Po	Serbian Spruce	Picea omorika	3	7' ht.	B&B	50–60' × 10–15'	Blue-green needles year-round	Blue-green; pendulous cones
Ac	Concolor Fir	Abies concolor	13	7' ht.	B&B	50–80' × 15–30'	Silvery blue-green needles year-round	Silvery blue; upright cones

Flowering Shrubs

Key	Common Name	Botanical Name	Count	Size	Root	Mature Size H×W	Bloom / Season	Fall Interest
Cs	Arctic Fire® Red Twig Dogwood	Cornus sericea 'Farrow'	6	24" sp.	#5 cont.	3–4' × 4–5'	White flat clusters, May–June	Vivid red stems. White berries for birds.
Ig	Shamrock Inkberry Holly	Ilex glabra 'Shamrock'	8	24" sp.	#5 cont.	3–4' × 4–5'	Inconspicuous white, June	
Hp	Little Lime Hydrangea	Hydrangea paniculata 'Jane'	7	24" sp.	#5 cont.	4'×4'	Lime-white → pink, July–Sept	Dried seed heads
Hpx	Bobo Hydrangea	Hydrangea paniculata 'ILVOBO'	14	24" sp.	#5 cont.	2.5'×4'	White → pink, July–Sept	Dried seed heads
Hq	Sikes Dwarf Oakleaf Hydrangea	Hydrangea quercifolia 'Sikes Dwarf'	5	24" sp.	#5 cont.	3' × 4–5'	White → parchment, June–Aug	
Kj	Kerria 'Golden Guinea'	Kerria japonica 'Golden Guinea'		24" sp.	#5 cont.	3–4' × 4–5'	Bright yellow, May, sporadic rebloom	
Rr	Knock Out Rose	Rosa 'Radrazz' Knock Out	11	24" sp.	#5 cont.	4'×4'	Red, May–frost	Orange hips
Sm	Dwarf Korean Lilac 'Palibin'	Syringa meyeri 'Palibin'	16	24" sp.	#5 cont.	5'×5'	Fragrant lavender, May	Minimal
Vd	Blue Muffin Viburnum	Viburnum dentatum 'Christom'	16	24" sp.	#5 cont.	5'×5'	White, May–June	Brilliant red
Vp	Doublefile Viburnum 'Mariesii'	Viburnum plicatum f. tomentosum 'Mariesii'	37	24" sp.	#5 cont.	8–10' × 10–12'	White lacecap tiers, May — spectacular	Burgundy-wine red

Evergereen Shrubs

Key	Common Name	Botanical Name	Count	Size	Root	Mature Size H×W	Bloom / Season	Fall Interest
Bs	Green Velvet Boxwood	Buxus sempervirens × microphylla 'Green Velvet'				2–3' × 3–4'	Inconspicuous, May	Dark green (semi-evergreen)
Bm	Winter Gem Boxwood	Buxus microphylla 'Winter Gem'				3–4' × 3–4'	Inconspicuous, May	Bright green; good winter color retention

Perennials

Key	Common Name	Botanical Name	Count	Size	Root	Mature Size H×W	Bloom / Season	Fall Interest
Cm	Moonbeam Coreopsis	Coreopsis verticillata 'Moonbeam'		2 gal.	Cont.	18"×18"	Pale yellow, June–Sept	Minimal
Ep	Purple Coneflower	Echinacea purpurea	16	2 gal.	Cont.	3'×2'	Pink-purple, July–Sept	Seed heads for birds
Gr	Rozanne Geranium	Geranium 'Gerwat' Rozanne	11	2 gal.	Cont.	18"×24"	Blue-violet, May–frost	Minimal
Hh	Autumn Joy Sedum	Hylotelephium 'Herbstfreude'		2 gal.	Cont.	24"×24"	Pink→bronze, Aug–Oct	Bronze seed heads
Nf	Walker's Low Catmint	Nepeta x faassenii 'Walker's Low'	13	2 gal.	Cont.	18"×30"	Lavender-blue, May–Sept	Minimal
Rf	Black-Eyed Susan	Rudbeckia fulgida 'Goldsturm'	14	2 gal.	Cont.	2'×2'	Gold-black, July–Sept	Seed heads for birds

ORNAMENTAL GRASSES

Key	Common Name	Botanical Name	Count	Size	Root	Mature Size H×W	Bloom / Season	Fall Interest
Pa	Hameln Dwarf Fountain Grass	Pennisetum alopecuroides 'Hameln'	32	2 gal.	Cont.	2.5'×3'	Fuzzy tan plumes, Aug	Golden tan
Ms	Morning Light Maiden Grass	Miscanthus sinensis 'Morning Light'		2 gal.	Cont.	5'×4'	Silver plumes, Sept	Tan-gold
Sh	Prairie Dropseed	Sporobolus heterolepis		2 gal.	Cont.	2'×2'	Fragrant, Aug–Sept	Golden orange
Hs	Blue Oat Grass	Helictotrichon sempervirens		2 gal.	Cont.	2'×2'	Blue-gray, summer	Blue-gray (evergreen)

Zone A — Pond Bottom & Water's Edge (To Contour 613.5 +/-)

Periodically inundated · Wet-tolerant species · FAC–FACW hydrology · Approx. 60% grasses/sedges · 40% wildflowers

GRASSES, SEDGES & RUSHES

Common Name	Botanical Name	% Mix	Bloom Color / Season	Fall Interest	Type	Notes
Swamp Sedge	*Carex stricta*	12%	—	Golden tan tussocks	Grass-like	Native sedge. Foundation species of wet meadow. Dense clumps stabilize bottom. Critical for erosion control in zone of periodic inundation.
Blue Joint Grass	*Calamagrostis canadensis*	8%	Airy purple, June–July	Golden tan	Grass	Native. Very tolerant of saturated soils and brief flooding. Spreads to fill disturbed areas quickly. Good erosion control.
Prairie Cordgrass	*Spartina pectinata*	6%	Inconspicuous, Aug	Tan-gold, arching	Grass	Native. Extremely tough in wet areas. Deep fibrous roots anchor pond bottom against scouring. Can spread — use intentionally.
Soft Rush	*Juncus effusus*	6%	Inconspicuous, July	Dark green persistent	Rush	Native. Essential wetland structure plant. Provides dense cover for waterfowl nesting. Very tolerant of standing water.
Path Rush	*Juncus tenuis*	4%	Inconspicuous, June	Tan	Rush	Native. Finer-textured than soft rush. Tolerates compaction and periodic flooding. Good transitional species.

WILDFLOWERS & PERENNIAL FORBS

Common Name	Botanical Name	% Mix	Bloom Color / Season	Fall Interest	Type	Notes
Swamp Milkweed	*Asclepias incarnata*	6%	Pink-rose, July–Aug	Silky seed pods	Perennial	Native. Monarch butterfly host plant. Thrives at pond edge. Far superior to common milkweed already on site — more ornamental, less aggressive.
Blue Flag Iris	*Iris virginica*	5%	Blue-violet, May–June	Interesting seed pods	Perennial	Native. Spectacular spring display at pond edge. Spreads slowly into attractive colonies. One of the showiest wet-zone natives.
Cardinal Flower	*Lobelia cardinalis*	4%	Brilliant red, July–Sept	—	Perennial	Native. Hummingbird magnet. Dramatic accent at water's edge. Short-lived but self-seeds freely in wet soils.
Great Blue Lobelia	*Lobelia siphilitica*	4%	Blue-purple, Aug–Sept	—	Perennial	Native. Blue counterpart to Cardinal Flower. Excellent for extending season of color. Tolerates shade and wet soils.
Joe Pye Weed	*Eutrochium maculatum*	5%	Mauve-pink, Aug–Sept	Tan seed heads	Perennial	Native. Tall (5–7') — use at rear of zones. Outstanding pollinator plant. Structural anchor for late summer.
Blue Vervain	*Verbena hastata*	4%	Blue-purple spikes, July–Sept	Persistent seed heads	Perennial	Native. Upright spiky form adds strong vertical interest. Seeds heavily favored by song sparrows and other birds.
Golden Alexanders	*Zizia aurea*	4%	Yellow, May–June	—	Perennial	Native. Early-season color is rare in wet meadows. Host plant for black swallowtail butterfly. Tolerates wet soils.
Swamp Rose Mallow	*Hibiscus moscheutos*	4%	White-pink, 6" blooms, Aug	Large seed pods	Perennial	Native. Most dramatic flower in any wet meadow — dinner-plate sized blooms. Shrub-like in late summer. Very impactful.
Boneset	*Eupatorium perfoliatum*	3%	White, Aug–Sept	Airy seed heads	Perennial	Native. Excellent late-season pollinator plant. Flat-topped white clusters attract masses of butterflies. Tough and reliable.
Marsh Blazing Star	*Liatris spicata*	5%	Purple spikes, July–Aug	Feathery seed heads (birds)	Perennial	Native. Vertical purple spikes are visually striking. One of the most important nectar sources for monarch butterflies.
New England Aster	*Symphyotrichum novae-angliae*	5%	Purple-pink, Sept–Oct	—	Perennial	Native. Essential fall color in wet zone. Monarch butterfly fuel for migration. Extremely tough and adaptable.
Ironweed	*Vernonia fasciculata*	4%	Intense purple, Aug–Sept	Russet seed heads	Perennial	Native. Deep jewel-toned purple — one of the richest colors in any meadow. Excellent contrast with goldenrods and asters.

Zone B — Side Slopes & Upland Edges

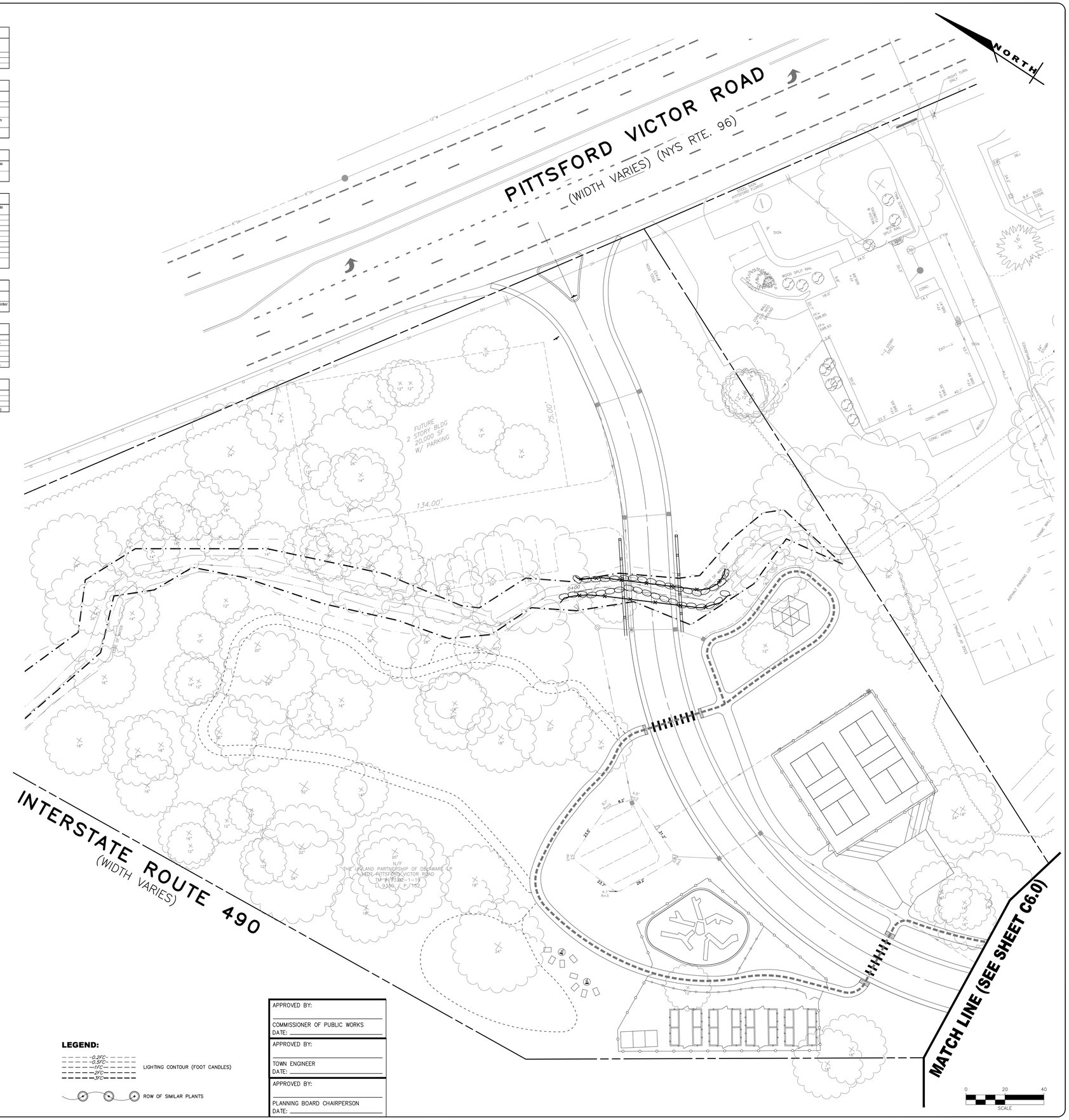
Well-drained slopes · Dry-mesic to mesic prairie mix · Approx. 60% grasses · 40% wildflowers

GRASSES, SEDGES & RUSHES

Common Name	Botanical Name	% Mix	Bloom Color / Season	Fall Interest	Type	Notes
Little Bluestem	*Schizachyrium scoparium*	15%	Blue-green, July	Copper-red, white seed	Grass	Native. Foundation grass for dry-mesic slopes. Outstanding copper-red fall color. Excellent erosion control. Deer resistant.
Switchgrass	*Panicum virgatum*	10%	Airy red, Aug	Golden yellow	Grass	Native. Adaptable from moist to dry. Strong upright structure. Excellent bird habitat (seeds). Many ornamental selections.
Big Bluestem	*Andropogon gerardii*	10%	Turkey-foot, Aug	Burgundy-orange	Grass	Native. The dominant tallgrass prairie species. Deep roots (up to 10') — exceptional erosion control on slopes. Fall color outstanding.
Indian Grass	*Sorghastrum nutans*	10%	Golden plumes, Aug–Sept	Copper-gold	Grass	Native. Golden plumes in late summer. Combines beautifully with Little Bluestem. Excellent wildlife seed source.
Side-Oats Grama	*Bouteloua curtipendula*	5%	Dangling oat-like, July	Tan-straw	Grass	Native. Lower-growing (18–2'). Excellent for slope stabilization. Distinctive oat-like seed heads hang on one side of stem.
Prairie Dropseed	*Sporobolus heterolepis*	5%	Fragrant, Aug–Sept	Golden orange	Grass	Native. Fine-textured arching mound. Fragrant flowers. Excellent texture contrast with coarser grasses. Deer resistant.

WILDFLOWERS & PERENNIAL FORBS

Common Name	Botanical Name	% Mix	Bloom Color / Season	Fall Interest	Type	Notes
Black-Eyed Susan	*Rudbeckia hirta*	6%	Gold-black, June–Sept	Seed heads (birds)	Annual/Short-lived	Native. Fast establishing — provides color in Year 1. Transitions to more persistent species over time. Self-seeds prolifically.
Purple Coneflower	*Echinacea purpurea*	6%	Pink-purple, July–Sept	Seed heads (birds)	Perennial	Native. Perhaps the most important pollinator plant in the mix. Seed heads persist as critical winter food for goldfinches.
Wild Bergamot	*Monarda fistulosa*	5%	Lavender, July–Aug	Dried whorls	Perennial	Native. Fragrant. Outstanding for bees and hummingbirds. Spreads by seed and rhizome to form attractive colonies.
Butterfly Weed	*Asclepias tuberosa*	4%	Orange, June–Aug	Silky seed pods	Perennial	Native. Brightest color in the slope mix — vivid orange. Monarch host plant. Drought tolerant on slopes. Slow to establish but long-lived.
Prairie Blazing Star	*Liatris spicata*	4%	Purple spikes, July–Aug	Feathery (birds)	Perennial	Native. Vertical purple spikes complement horizontal grasses. Excellent pollinator plant. Corms establish well from seed.
Ox-Eye Sunflower	*Heliopsis helianthoides*	5%	Yellow, July–Sept	Seed heads (birds)	Perennial	Native. Long bloom season. Reliable, fast-establishing. Excellent for massing on slopes where color is needed quickly.
Partridge Pea	*Chamaecrista fasciculata*	4%	Yellow, July–Aug	—	Annual	Native annual — fixes nitrogen, improves soil. Establishes Year 1. Important larval host for sulphur butterflies.
Wild Blue Indigo	*Baptisia australis*	3%	Blue, May–June	Inflated black pods	Perennial	Native. Spectacular indigo-blue spring flowers. Dramatic black seed pods persist into winter. Deep taproot — excellent slope stabilizer.
Pale Purple Coneflower	*Echinacea pallida*	3%	Pale pink-lavender, June–July	—	Perennial	Native. Longer, drooping petals distinguish from E. purpurea. Excellent on drier, well-drained slopes. Deer resistant.
New England Aster	*Symphyotrichum novae-angliae*	4%	Purple-pink, Sept–Oct	—	Perennial	Native. Essential for fall color on slopes. Monarch butterfly fuel for migration. Adaptable to dry and moist conditions.
Stiff Goldenrod	*Solidago rigida*	3%	Golden-yellow, Aug–Oct	Airy seed heads	Perennial	Native. One of the most ornamental goldenrods. Flat-topped golden clusters. Important late-season nectar source.
Prairie Phlox	*Phlox pilosa*	3%	Pink, May–June	—	Perennial	Native. Low-growing fragrant pink flowers in late spring. Excellent ground layer — fills space between taller species.



LEGEND:

–0.2FC– LIGHTING CONTOUR (FOOT CANDLES)
–0.5FC–
–1FC–
–2FC–
–3FC–

ROW OF SIMILAR PLANTS

APPROVED BY:
COMMISSIONER OF PUBLIC WORKS
DATE:

APPROVED BY:
TOWN ENGINEER
DATE:

APPROVED BY:
PLANNING BOARD CHAIRPERSON
DATE:

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PRELIMINARY/FINAL SITE PLANS
for
THE PLACE AT WILLOWBROOK

1407-1451 PITTSFORD VICTOR ROAD
MONROE COUNTY COUNTYSTATE OF STATE OF NEW YORK
TOWN OF PERINTON

JOB NO:	1780-26
SCALE:	1"=20'
DRAWN:	RLB
DESIGNED:	MPT
DATE:	06/12/2026

DATE	BY	REVISION
07/31/26	RB	DPW COMMENTS
09/10/26	RB	PRELIM COMMENTS

IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW ARTICLE 145, SECTION 7209 FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LANDSCAPE ARCHITECT, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE SEAL OF A PROFESSIONAL ENGINEER OR LAND SURVEYOR IS ALTERED, THE ALTERING ENGINEER OR LAND SURVEYOR SHALL AFFIX TO THE ITEM THEIR SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

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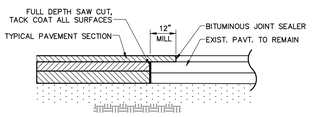
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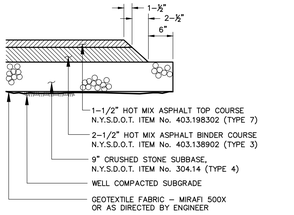
DRAWING TITLE:
LANDSCAPING & LIGHTING PLANS

13 of 21	C6.1
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1780-26	
JOB No:	

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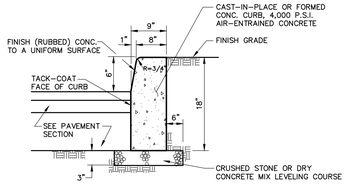


1 PAVEMENT MATCH

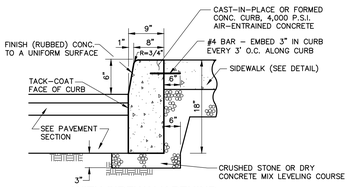


2 PAVEMENT SECTION

NOTES:
1. CONTRACTOR TO CLEAN AND TACK COAT BEFORE PLACING TOP COAT IF BINDER IS CONTAMINATED OR GREATER THAN 30 DAYS PASSES BETWEEN PLACEMENT OF BINDER AND TOP
2. PAVEMENT SPECIFICATION NUMBERS REFERENCE THE 2008 NYSDOT STANDARD SPECIFICATION BOOK



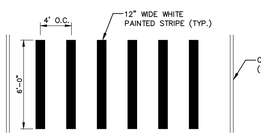
WITH LAWN/ PLANTER BEHIND



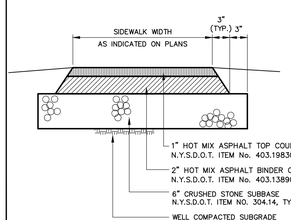
WITH SIDEWALK BEHIND

NOTES:
1. PROVIDE 7" REVEAL AT DROP INLETS
2. PROVIDE CONSTRUCTION JOINTS AT 20' INTERVALS AND EXPANSION JOINTS AT 80' MAXIMUM SPACING. EXPANSION JOINTS SHALL BE FORMED WITH PRE–MOLDED BITUMINOUS JOINT FILLER AND REBAR TO PREVENT SEPARATION.

3 CONCRETE CURB

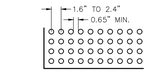


4 CROSSWALK

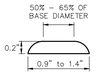


5 ASPHALT TRAIL

NOTE:
1. PAVEMENT SPECIFICATION NUMBERS REFERENCE THE 2008 NYSDOT STANDARD SPECIFICATION BOOK

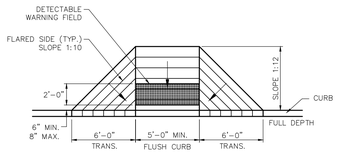


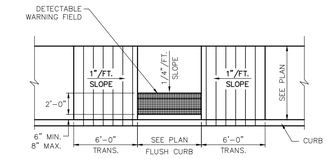
DOME SPACING



DOME SECTION

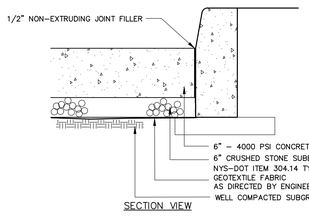
DETECTABLE WARNING FIELD



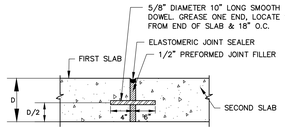


NOTES:
1. SURFACE TEXTURE OF RAMP SHALL BE COARSE BROOM FINISHED TRANSVERSE TO RAMP.
2. REFER TO TYPICAL SIDEWALK DETAIL FOR MATERIAL SPECIFICATIONS.
3. DETECTABLE WARNING FIELD SHALL EXTEND THE FULL WIDTH OF CURB RAMP OR FLUSH SURFACE.
4. DETECTABLE WARNING FIELD SHALL BE "DARK GREY" IN COLOR, UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS, OR AOBE.
5. DETECTABLE WARNING FIELD SHALL BE ADA SOLUTIONS WARNING SURFACE – "CAST–IN–PLACE TACTILE REPLACEABLE" OR EQUAL.

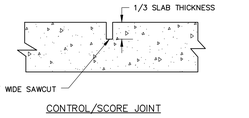
6 ACCESS RAMP



SECTION VIEW



CONSTRUCTION JOINT

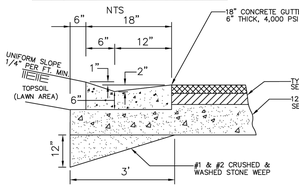


CONTROL/SCORE JOINT

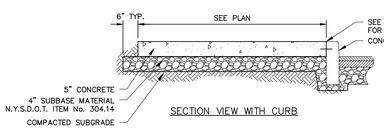
CONCRETE PAVEMENT NOTES:
1. ISOLATION JOINTS TO BE CONSTRUCTED AT BUILDING, CURBING, AND FIXED OBJECTS.
2. CONTROL JOINTS TO BE MADE EVERY 12 FEET ON CENTER.
3. THE LARGER DIMENSION OF ANY PANEL SHALL NOT EXCEED 125% OF THE SMALLER DIMENSION
4. SAW CUT CONTROL JOINTS TO 1/3 SLAB THICKNESS WITHIN 24 HOURS OF CONCRETE PLACEMENT.
5. ALL EXPOSED CONCRETE SURFACES TO RECEIVE A BROOM FINISH.
6. ALL EXPOSED CONCRETE TO RECEIVE TWO COATS OF MEMBRANE FORMING SEALER.
7. CONCRETE SHALL ACHIEVE 4000 PSI COMPRESSIVE MINIMUM STRENGTH AT 28 DAYS.
8. CONCRETE SHALL HAVE AN AIR CONTENT OF 6.0 PERCENT ± 1.5 PERCENT.
9. CONCRETE SLUMP SHALL NOT EXCEED 4 INCHES.

7 CONCRETE PAVEMENT

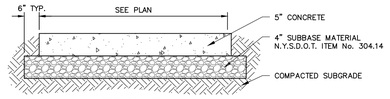
GUTTER WITH STONE WEEP PRIVATE ROAD SECTION



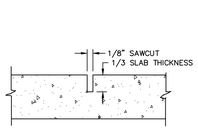
8 GUTTER SECTION



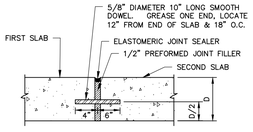
SECTION VIEW WITH CURB



SECTION VIEW



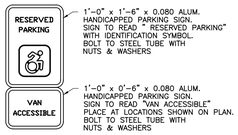
CONTROL/SCORE JOINT



CONSTRUCTION JOINT

NOTES:
1. CONCRETE SHALL BE 4000 PSI AIR–ENTRAINED MIX.
2. CONCRETE SURFACE SHALL RECEIVE A BROOM FINISH (IF NOT SPECIFIED AS EXPOSED AGGREGATE CONCRETE) AND TWO COATS OF A MEMBRANE FORMING SEALER AT RATES SPECIFIED BY PRODUCT MANUFACTURER.
3. EXPANSION JOINTS SHALL BE PROVIDED AT FIXED STRUCTURES AND AT LEAST EVERY 25' ALONG THE SIDEWALK.
4. CONSTRUCTION JOINTS WITH DOWELS SHALL BE PROVIDED AT SUBSEQUENT POURS.
5. CONTROL JOINTS SHALL BE LOCATED AS SHOWN ON PLAN AND IN ACCORDANCE WITH ACI 330–R92. THESE JOINTS SHALL BE COMPLETED WITHIN 24 HOURS OF CONCRETE PLACEMENT.
6. SCORE PATTERN – SIDEWALK TO BE SCORED EVERY 5 FEET CREATING 5' X 5' SQUARES (MAY VARY IN CERTAIN AREAS). SCORING SHALL BE COORDINATED WITH OWNERS ONSITE REP PRIOR TO SCORING.
7. SIDEWALKS SHALL HAVE A MINIMUM 0.5% AND MAXIMUM 2.0% CROSS SLOPE TO PROVIDE POSITIVE DRAINAGE. CROSS SLOPE SHALL PROVIDE POSITIVE DRAINAGE AWAY FROM BUILDINGS AND ENTRANCES.
8. "SNAP–CAP" OR EQUAL SHALL BE USED FOR PROTECTING TOP EDGE OF EXPANSION JOINTS.
9. SEE CURBING DETAIL FOR DOWELING WHEN ADJACENT TO CONCRETE CURBING.

9 CONCRETE SIDEWALK

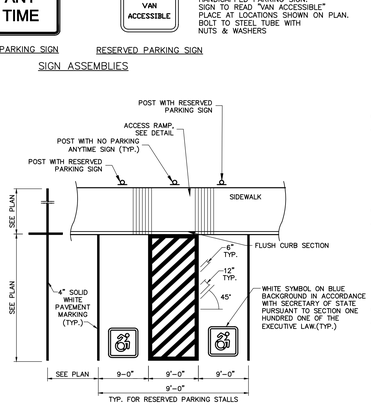




NO PARKING SIGN

RESERVED PARKING SIGN

SIGN ASSEMBLIES

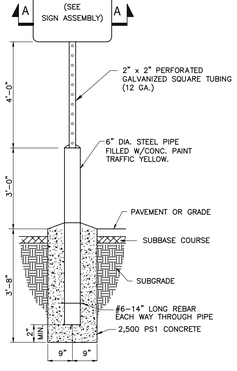


PARKING PLAN VIEW

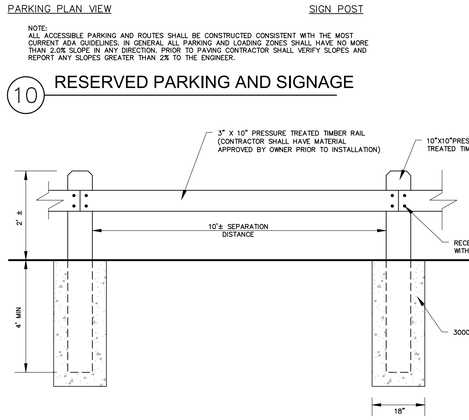
NOTE:
ALL ACCESSIBLE PARKING AND ROUTES SHALL BE CONSTRUCTED CONSISTENT WITH THE MOST CURRENT ADA GUIDELINES. IN GENERAL ALL PARKING AND LOADING ZONES SHALL HAVE NO MORE THAN 2.0% SLOPE IN ANY DIRECTION. PRIOR TO PAVING CONTRACTOR SHALL VERIFY SLOPES AND REPORT ANY SLOPES GREATER THAN 2% TO THE ENGINEER.

10 RESERVED PARKING AND SIGNAGE

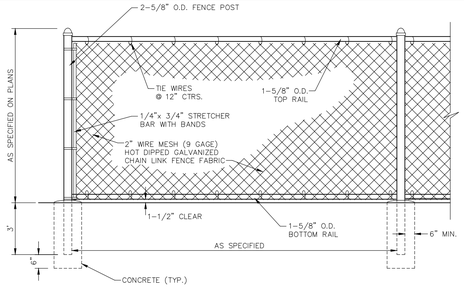
SECTION A – A



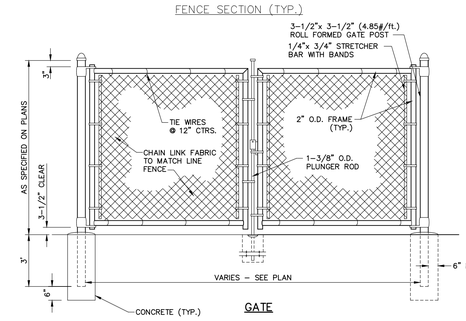
SIGN POST



11 TIMBER GUIDE RAIL

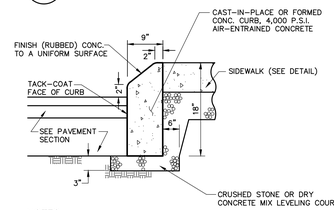


FENCE SECTION (TYP.)



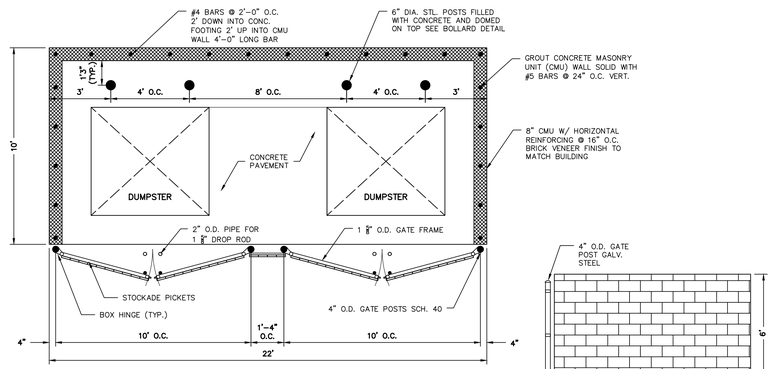
GATE

12 CHAIN LINK FENCE



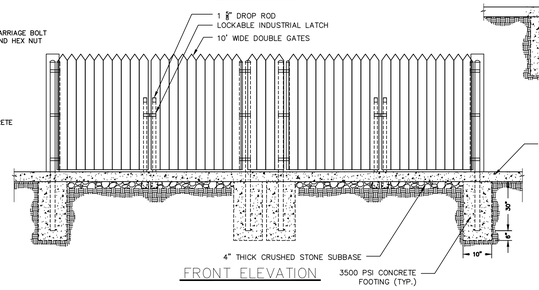
NOTES:
1. PROVIDE CONSTRUCTION JOINTS AT 20' INTERVALS AND EXPANSION JOINTS AT 80' MAXIMUM SPACING. EXPANSION JOINTS SHALL BE FORMED WITH PRE–MOLDED BITUMINOUS JOINT FILLER AND REBAR TO PREVENT SEPARATION.

13 MOUNTABLE CURB WITH SIDEWALK BEHIND



PLAN VIEW

SIDE ELEVATION



FRONT ELEVATION

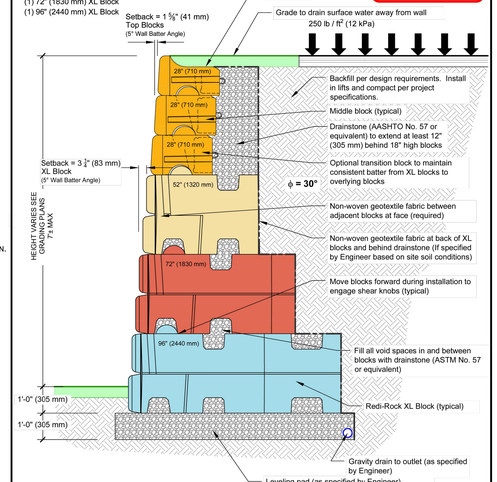
15 DUMPSTER ENCLOSURE

ϕ = 30° | FINE TO MEDIUM SAND or SILTY SAND

LOAD CONDITION B | 250 lb/ft² (12 kPa) LIVE LOAD SURCHARGE, NO BACK SLOPE, NO TOE SLOPE

13.5-FOOT (4.11 m) HIGH SECTION
(3) 28" (710 mm) Blocks
(1) 52" (1320 mm) XL Block
(1) 72" (1830 mm) XL Block
(1) 96" (2440 mm) XL Block

PRELIMINARY
Professional Engineering Design Required for Construction



This drawing is for reference only. Determination of the suitability and/or manner of use of any details contained in this document is the sole responsibility of the design engineer of record. Final project designs, including all construction details, shall be prepared by a licensed professional engineer using the actual conditions of the proposed site. Final wall design must address both internal and external drainage and all modes of wall stability.

DRAWN BY:	N. Lindwall
APPROVED BY:	J. Johnson
DATE:	May 8, 2019
SHEET:	1 of 1

TITLE: **Preliminary Wall Section**
Fine to Medium Sand or Silty Sand, ϕ = 30°
250 lb/ft² (12 kPa) Live Load Surcharge
FILE: B_30_XL_162_cad.dwg

REDI-ROCK
(5481 US 31 SOUTH, CHARLEVOIX, MI 49720
(866) 222-8400 ext 3010 • engineering@redi-rock.com
www.redi-rock.com

14 RETAINING WALL DETAIL

EXAMPLE OF WALL DESIGN PROVIDED FOR REFERENCE. CONTRACTOR IS TO PROVIDE STAMPED SHOP DRAWINGS TO MARATHON ENGINEERING PRIOR TO FINAL APPROVALS.

D6
JANUARY 2021

APPROVED BY:
COMMISSIONER OF PUBLIC WORKS
DATE:

APPROVED BY:
TOWN ENGINEER
DATE:

MARATHON ENGINEERING
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ROCHESTER, NY 14614
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ITHACA, NY 14850
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PRELIMINARY/FINAL SITE PLANS
for
THE PLACE AT WILLOWBROOK
1407-1451 PITTSFORD VICTOR ROAD
MONROE COUNTY COUNTSTATE OF NEW YORK
TOWN OF PERINTON

JOB NO:	1780-26
SCALE:	AS SHOWN
DRAWN:	RLB
DESIGNED:	MPT
DATE:	06/12/2026

DATE	BY	REVISION
07/31/26	RB	DPW COMMENTS
09/10/26	RB	PRELIM COMMENTS

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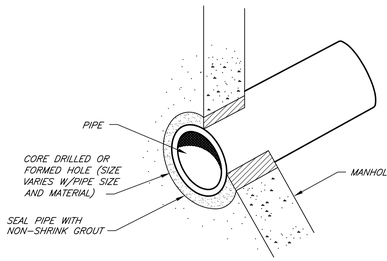
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STATE OF NEW YORK
COLE M. PAPASERGI
110080
LICENSED PROFESSIONAL ENGINEER
COLE M. PAPASERGI

DRAWING TITLE:
CONSTRUCTION DETAILS

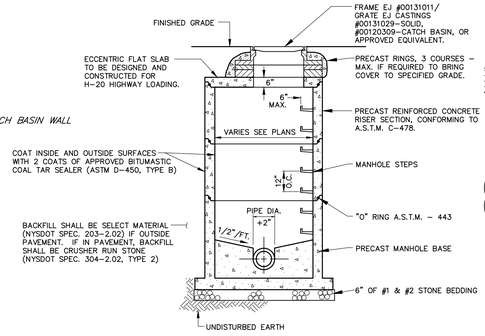
14 of 21	C7.0
SHEET No:	DRAWING No:
1780-26	
JOB No:	

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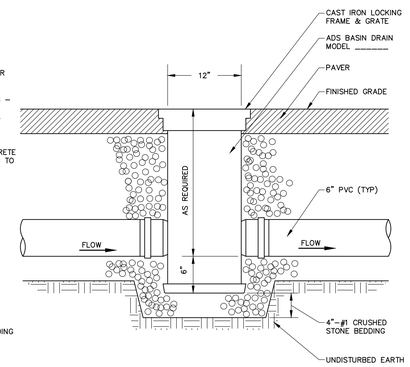
NOTE:
FOR RECONNECTION OF EXISTING PIPES, CONTRACTOR SHALL INSTALL 5' STUB PIECE OF HDPE PIPE THROUGH MANHOLE WALL. TRANSITIONS WILL THEN BE MADE USING HIGH DENSITY POLYETHYLENE, SMOOTH FLOW WITH WATERTIGHT GASKET MATERIAL MEETING ASTM F2648 STANDARDS.

1 CONNECT TO EXISTING STORM STRUCTURE

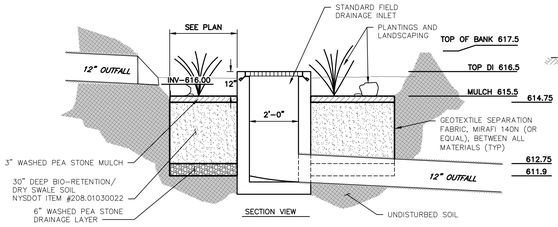


NOTES:
1.) SLOPED EXCAVATION AT CONTRACTORS OPTION- PROVIDE SHEETING AS NECESSARY TO MEET OSHA STANDARDS & REQUIREMENTS.

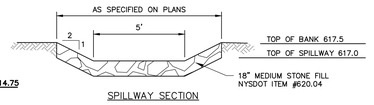
4 STORM MANHOLE



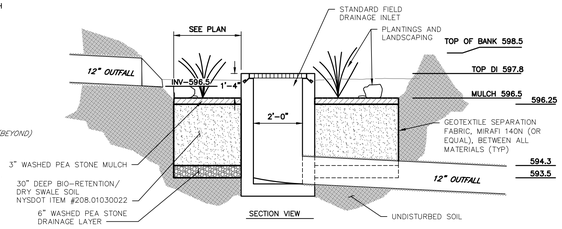
8 YARD INLET



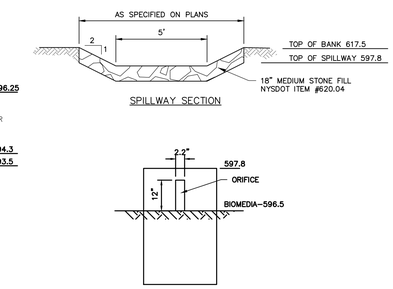
11 BIORETENTION 1 SECTION DETAIL
SCALE: N.T.S



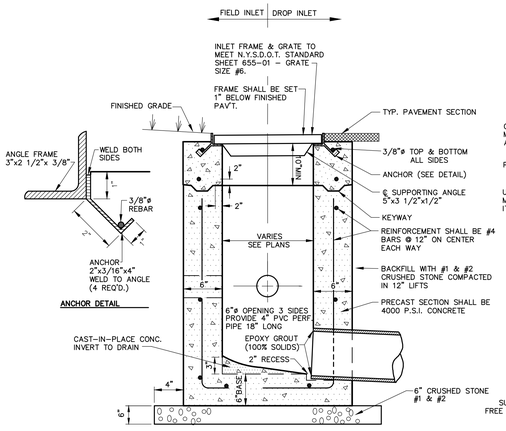
SPILLWAY SECTION



12 BIORETENTION 2 SECTION DETAIL
SCALE: N.T.S

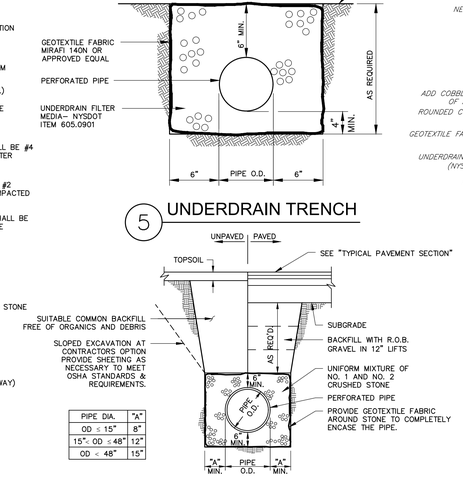


OCS-2.0 SECTION VIEW



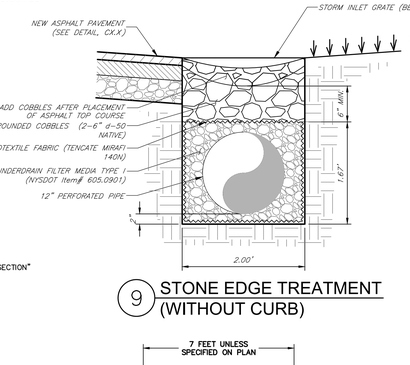
NOTES:
1.) PRE-CAST INLET SECTIONS SHALL BE MANUFACTURED BY KISTNER, MODEL No. CB-24 (WITH KEYWAY) OR APPROVED EQUIVALENT.
2.) THE INSIDE & OUTSIDE WALLS OF INLET SHALL BE COATED WITH BITUMASTIC.

2 DROP/ FIELD INLET



PIPE DIA.	"A"
OD ≤ 15"	8"
15"< OD ≤ 48"	12"
OD < 48"	15"

6 STORM TRENCH PERFORATED PIPE



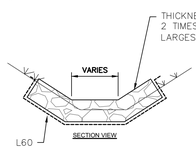
5 UNDERDRAIN TRENCH

PIPE DIA.	"A"
OD ≤ 15"	8"
OD >15"	12"

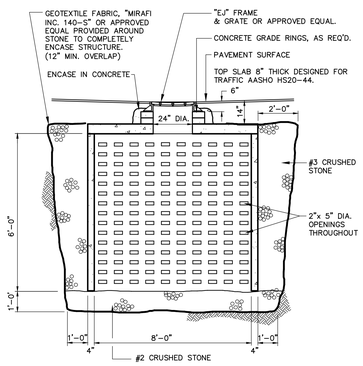
7 SANITARY TRENCH

FRENCH DRAIN TRENCH

9 STONE EDGE TREATMENT (WITHOUT CURB)



10 RIP RAP OUTLET PROTECTION



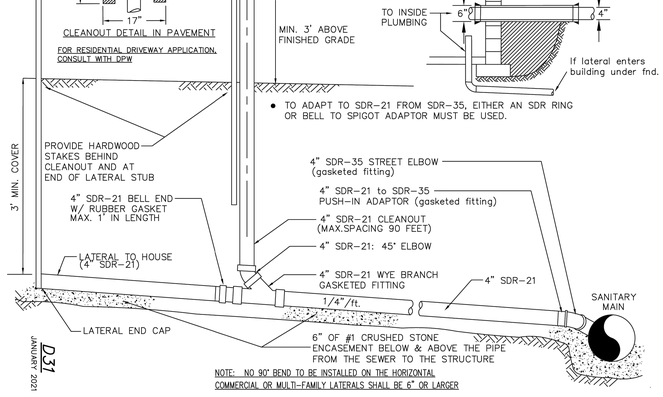
DRYWELL

NOTES:
1. TOP OF MAIN RAISED CROSSWALK AREA IS TO BE 3 INCHES ABOVE AND PARALLEL WITH THEORETICAL FINISHED GRADE AND CROSS-SLOPE. TOP OF APPROACH RAMPS ARE TO BE PARABOLIC.
2. MAINTAIN THEORETICAL CURB AND PAVEMENT GRADES, AND PAVEMENT CROSS-SLOPE THRU RAISED CROSSWALK.
3. WIDTH, COLOR AND PATTERN OF MAIN RAISED CROSSWALK AREA WILL BE AS SPECIFIED IN CONTRACT DOCUMENTS.
4. CATCH BASINS ARE TO BE LOCATED ON UPHILL SIDE(S) OF TABLED INTERSECTION.
5. TEMPORARY WARNING SIGNS ARE TO BE INSTALLED MINIMUM OF 10 DAYS PRIOR TO COMMENCING CONSTRUCTION OF TABLED INTERSECTION

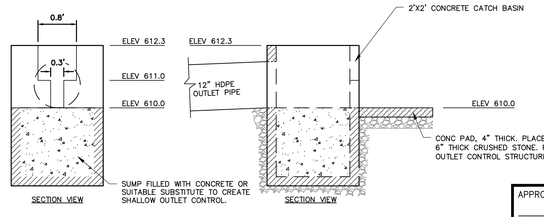
12" OVERLAID WHITE PLASTIC PREFORMED PERMANENT PAVEMENT MARKING SYMBOL
ARROW

3 RAISED CROSSWALK

SANITARY LATERAL DETAIL (PVC PIPE)
NTS



13 SANITARY LATERAL & CLEANOUT DETAIL
SCALE: N.T.S



14 BUILDING 100 SWMF OUTLET CONTROL STRUCTURE
SCALE: N.T.S

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TOWN ENGINEER
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PRELIMINARY/FINAL SITE PLANS
for
THE PLACE AT WILLOWBROOK
1407-1451 PITTSFORD VICTOR ROAD
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JOB NO:	1780-26
SCALE:	AS SHOWN
DRAWN:	RLB
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DATE:	06/12/2026

DATE	BY	REVISION
07/31/26	RB	DPW COMMENTS
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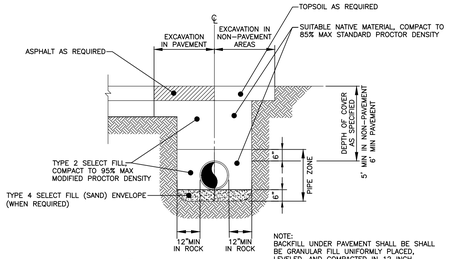
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DRAWING TITLE:
CONSTRUCTION DETAILS

15 of 21 SHEET No:	C7.1 DRAWING No:
1780-26 JOB No:	

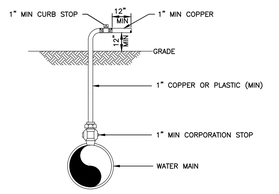
JANUARY 2021

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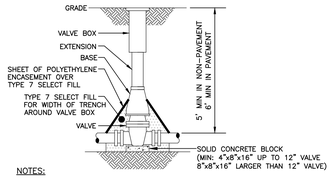
NOTE: BACKFILL UNDER PAVEMENT SHALL BE SHALL BE GRANULAR FILL UNIFORMLY PLACED, LEVELED, AND COMPACTED IN 12 INCH LAYERS USING MECHANICAL COMPACTORS

1 DIP TRENCH
MCWA STANDARD DETAIL (DME 3, 2025)
NTS



NOTE: IN THE PRESENCE OF A WATER AUTHORITY REPRESENTATIVE REMOVE ALL CORPORATIONS ASSOCIATED WITH TEMPORARY DISINFECTION/SAMPLE TAPS AND REPLACE WITH THREADED BRASS PLUGS.

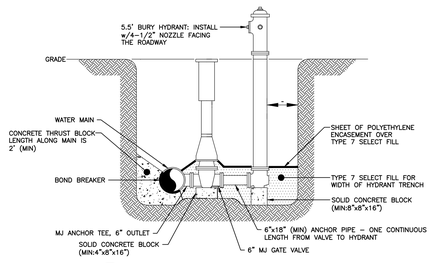
2 DISINFECTION/ BLOW-OFF/ SAMPLING TAP (TEMPORARY)
MCWA STANDARD DETAIL (DME 14, 2025)
NTS



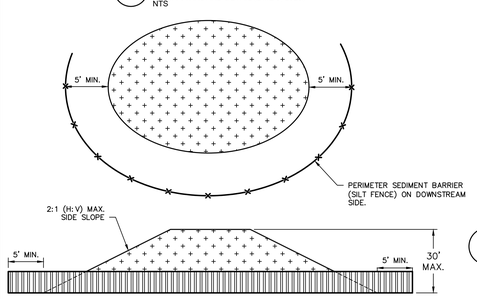
NOTES:

1. CENTER VALVE BOX ON VALVE AND SET ON COMPACTED BACKFILL.
2. VALVE SHALL NOT SUPPORT VALVE BOX.
3. ALL VALVES SHALL BE OPEN LEFT EXCEPT:
   TOWN OF WEBSTER – VALVES 12" AND SMALLER SHALL OPEN RIGHT.
   TOWN OF HENRIETTA – SHALL OPEN RIGHT

3 VALVE
MCWA STANDARD DETAIL (DME 5, 2025)
NTS



4 PERPENDICULAR HYDRANT ASSEMBLY
MCWA STANDARD DETAIL (DME 9, 2025)
NTS



CONSTRUCTION SPECIFICATIONS

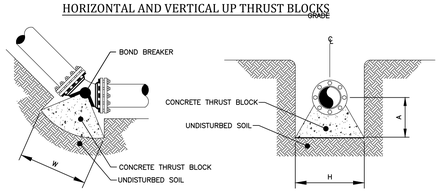
1. SEDIMENT BARRIER (SILT FENCE) SHALL BE PLACED AROUND THE PERIMETER OF ALL STOCKPILES OF ALL ERODIBLE MATERIAL.
2. OFFSET SEDIMENT BARRIER FROM STOCKPILE A MINIMUM OF 5' FROM THE TOE OF STOCKPILE FOR SEDIMENT ACCUMULATION.
3. IMMEDIATELY STABILIZED STOCKPILED MATERIAL WITH SEED AND MULCH.
4. INSPECT STOCKPILE PERIMETER CONTROL AFTER EACH RAIN EVENT.
5. ONCE SEDIMENT HAS ACCUMULATED TO A HEIGHT OF 50% OF THE SEDIMENT BARRIER HEIGHT, THE CONTRACTOR SHALL REMOVE COLLECTED SEDIMENT AND SPOIL MATERIAL ON STOCKPILE AND RESTABILIZE WITH SEED AND MULCH.

5 STOCKPILE AREA
SCALE: N.T.S

PIPE DIAMETER	BEND OR FITTING												TEE*, CAP OR PLUG		
	11¼ DEGREE			22½ DEGREE			45 DEGREE			90 DEGREE					
	H (FT)	W (FT)	A (FT)	H (FT)	W (FT)	A (FT)	H (FT)	W (FT)	A (FT)	H (FT)	W (FT)	A (FT)	H (FT)	W (FT)	A (FT)
4"	0.7	1.0	0.7	0.7	1.0	0.7	1.0	1.5	1.0	1.7	2.5	1.7	1.4	2.0	1.4
6"	1.0	1.5	1.5	1.4	2.0	1.4	1.7	2.5	1.7	2.4	3.5	2.4	2.0	3.0	2.0
8"	1.0	1.5	1.0	1.7	2.5	1.7	2.4	3.5	2.4	3.0	4.5	3.0	2.7	4.0	2.7

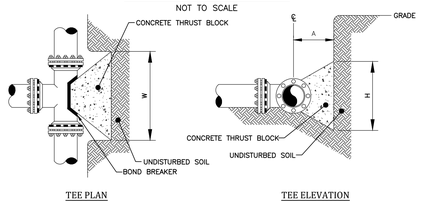
* SIZE BLOCK BASED ON BRANCH DIAMETER.
SOIL BEARING STRENGTH - 1,000 PSF
100 PSI TEST PRESSURE

HORIZONTAL AND VERTICAL UP THRUST BLOCKS

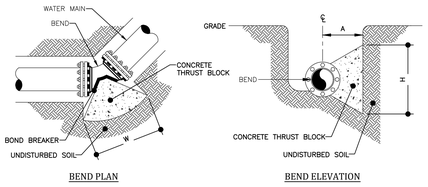


BEND PROFILE — BEND ELEVATION

VERTICAL UP THRUST BLOCKS
NOT TO SCALE



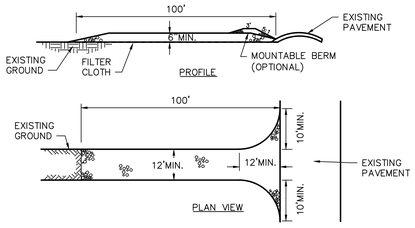
TEE PLAN — TEE ELEVATION



BEND PLAN — BEND ELEVATION

HORIZONTAL THRUST BLOCKS
NOT TO SCALE

6 HORIZONTAL & VERTICAL UP THRUST BLOCKS
MCWA STANDARD DETAIL (DME 6, 2025)
NTS



CONSTRUCTION SPECIFICATIONS

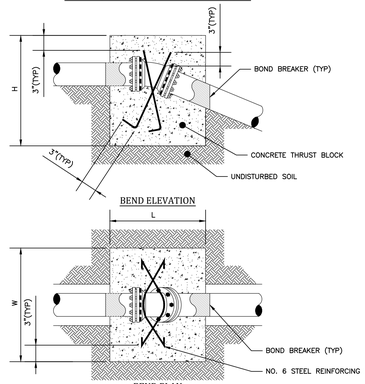
1. STONE SIZE – USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH – NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MIN. LENGTH WOULD APPLY).
3. THICKNESS – NOT LESS THAN SIX (6) INCHES.
4. WIDTH – TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS, TWENTY–FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
5. FILTER CLOTH – WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
6. SURFACE WATER – ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITHI 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE – THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS–OF–WAY, ALL SEDIMENT SPILLED, DROPPED, TACKED, OR WASHED ONTO PUBLIC RIGHTS–OF–WAY MUST BE REMOVED IMMEDIATELY.
8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

7 STABILIZED CONSTRUCTION ENTRANCE
NYSDEC STANDARD DETAIL
SCALE: N.T.S

PIPE DIAMETER	BEND														
	11¼ DEGREE				22½ DEGREE				45 DEGREE				90 DEGREE			
	L (FT)	W (FT)	H (FT)	VOL (CY)	L (FT)	W (FT)	H (FT)	VOL (CY)	L (FT)	W (FT)	H (FT)	VOL (CY)	L (FT)	W (FT)	H (FT)	VOL (CY)
4"	2.5	2.5	2.5	0.5	2.5	2.5	2.5	0.5	3.5	2.5	3.5	1.0	3.5	2.5	3.5	1.0
6"	2.5	2.5	2.5	0.5	3.5	2.5	3.5	1.0	1.5	2.5	1.5	1.5	5.0	2.5	5.0	2.0
8"	3.0	3.0	3.0	1.0	4.0	3.0	4.0	1.5	5.0	3.0	5.0	2.5	5.5	3.0	5.5	3.0

SOIL BEARING STRENGTH - 1,000 PSF
100 PSI TEST PRESSURE

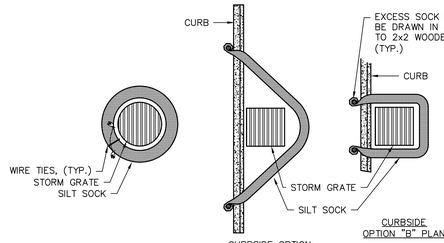
VERTICAL DOWN THRUST BLOCKS

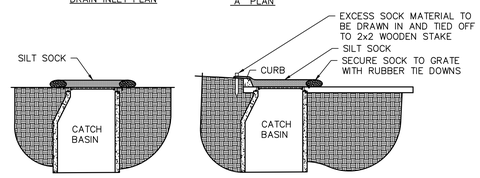


BEND ELEVATION — BEND PLAN

NOTES:
1. THRUST BLOCKS SHALL BE CENTERED HORIZONTALLY ON BENDS.
2. VOLUMES SHOWN IN CHART ARE MINIMUMS.

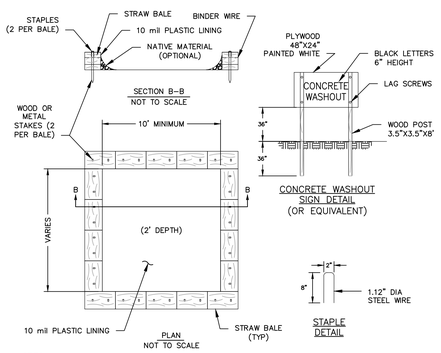
8 VERTICAL DOWN THRUST BLOCKS
MCWA STANDARD DETAIL (DME 7, 2025)
NTS





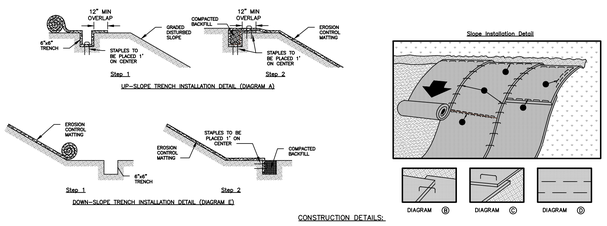
NOTES:
1. USE FILTREXX® SILTSOXX™ OR APPROVED EQUAL.
2. FILTER MEDIA™ FILL TO MEET APPLICATION REQUIREMENTS.
3. COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER.

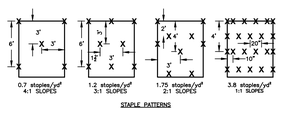
9 PAVED SURFACE INLET PROTECTION
SCALE: N.T.S



NOTES:
1. ACTUAL LAYOUT TO BE DETERMINED IN THE FIELD.
2. A CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30' OF THE TEMPORARY CONCRETE WASHOUT FACILITY.
3. MATERIALS USED TO CONSTRUCT TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE REMOVED FROM THE SITE OF THE WORK AND DISPOSED OF OR RECYCLED.
4. 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.

10 CONCRETE WASHOUT
SCALE: N.T.S





CONSTRUCTION DETAILS:

1. DIG A 6" BY 6" TRENCH BOTH UP–SLOPE AND DOWN–SLOPE OF THE AREA THE MATTING IS TO BE APPLIED. PREPARE THE SLOPE SOIL SURFACE (RAKING, SEEDING AND FERTILIZING).
2. 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)
3. ROLL THE BLANKET VERTICALLY DOWN THE SLOPE. SECURE USING THE APPROPRIATE STAPLE PATTERN BELOW, SPECIFIED BY SLOPE. (SEE STAPLE PATTERNS)
4. PARALLEL BLANKETS MUST BE OVERLAPPED BY A MINIMUM OF 4", AND SECURED WITH A ROW OF STAPLES PLACED APPROXIMATELY 3'–0" APART. (SEE DIAGRAM B)
5. 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.
6. 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)
7. 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. EAST COAST EROSION CONTROL ECS–2 DOUBLE NET STRAW ROLLED EROSION CONTROL PRODUCT OR APPROVED EQUAL

11 EROSION CONTROL BLANKET
SCALE: N.T.S

APPROVED BY:
COMMISSIONER OF PUBLIC WORKS
DATE:

APPROVED BY:
TOWN ENGINEER
DATE:

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ITHACA LOCATION
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ITHACA, NY 14850
607-241-2917
www.marathoneng.com

PRELIMINARY/FINAL SITE PLANS for
THE PLACE AT WILLOWBROOK
1407-1451 PITTSFORD VICTOR ROAD
MONROE COUNTY COUNTSTATE OF NEW YORK
TOWN OF PERINTON

JOB NO:	1780-26
SCALE:	AS SHOWN
DRAWN:	RLB
DESIGNED:	MPT
DATE:	06/12/2026

DATE	BY	REVISION
07/31/26	RB	DPW COMMENTS
09/10/26	RB	PRELIM COMMENTS

IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW ARTICLE 145, SECTION 7209 FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER IN ANY WAY AN ITEM BEARING THE SEAL OF A PROFESSIONAL ENGINEER OR LAND SURVEYOR. IF AN ITEM BEARING THE SEAL OF A PROFESSIONAL ENGINEER OR LAND SURVEYOR IS ALTERED, THE ALTERING ENGINEER OR LAND SURVEYOR SHALL AFFIX TO THE ITEM THEIR SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

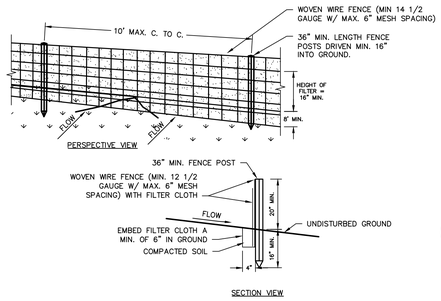
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STATE OF NEW YORK — PRELIMINARY/FINAL — NOT FOR CONSTRUCTION — 110080 — LICENSED PROFESSIONAL ENGINEER
COLE M. PAPASERGI

DRAWING TITLE:
CONSTRUCTION DETAILS

16 of 21 SHEET No:	C7.2
1780-26 JOB No:	DRAWING No:

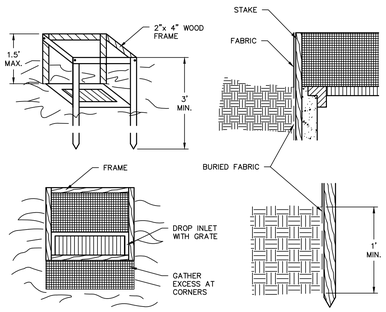
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CONSTRUCTION SPECIFICATIONS

1. 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.
2. 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.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABLINKKA T140N, OR APPROVED EQUIVALENT.
4. PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
6. ENVIRO-FENCE WITH INTEGRAL MESH IS ACCEPTABLE SUBSTITUTE.

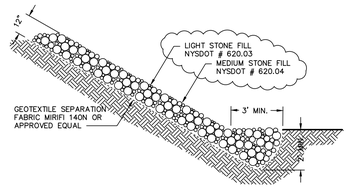
1 SILT FENCE
SCALE: N.T.S



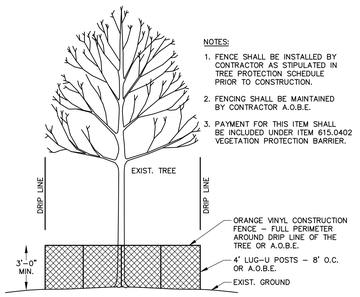
CONSTRUCTION SPECIFICATIONS

1. FILTER FABRIC SHALL HAVE AN EOS OF 40-85. BURLAP MAY BE USED FOR SHORT TERM APPLICATIONS.
2. CUT FABRIC FROM A CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED THEY WILL BE OVERLAPPED TO THE NEXT STAKE.
3. STAKE MATERIALS WILL BE STANDARD 2" x 4" WOOD OR EQUIVALENT METAL WITH A MINIMUM LENGTH OF 3 FEET.
4. SPACE STAKES EVENLY AROUND INLET 3 FEET APART AND DRIVE A MINIMUM OF 18 INCHES DEEP. SPANS GREATER THAN 3 FEET MAY BE BRIDGED WITH THE USE OF WIRE MESH BEHIND THE FILTER FABRIC FOR SUPPORT.
5. FABRIC SHALL BE EMBEDDED 1 FOOT MINIMUM BELOW GROUND AND BACKFILLED. IT SHALL
6. BE SECURELY FASTENED TO THE STAKES AND FRAME.
7. A 2" x 4" WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE FABRIC FOR OVER FLOW STABILITY.
8. IF AN INLET IS LOCATED IN A PAVED AREA, ONCE THE SURROUNDING HARD SURFACE IS INSTALLED, THE CONTRACTOR SHALL TRANSITION TO AN APPROVED INLET PROTECTION METHOD FOR PAVED SURFACES, SUCH AS A SEDIMENT BASKET OR SILT SOCK.

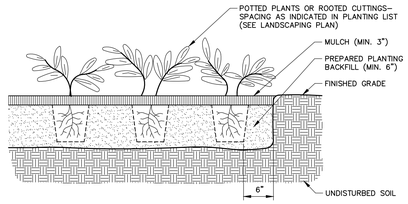
2 DROP INLET PROTECTION
SCALE: N.T.S



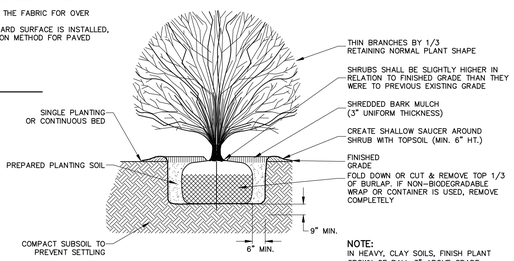
3 ARMORED SLOPE STONE PROTECTION
SCALE: N.T.S



4 TREE PROTECTION

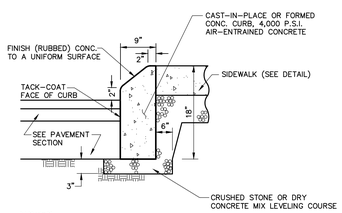


5 GROUND COVER PLANTINGS



NOTE:
IN HEAVY, CLAY SOILS, FINISH PLANT CROWN OF BALL 3" ABOVE GRADE

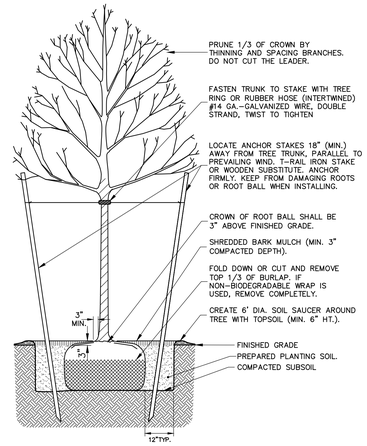
6 SHRUB PLANTINGS



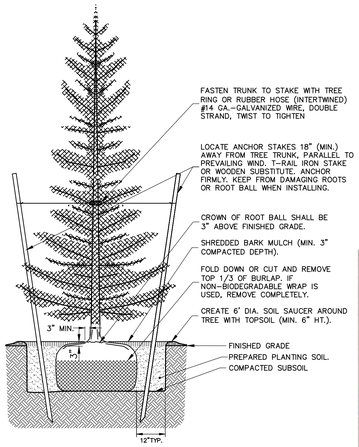
NOTES:

1. PROVIDE CONSTRUCTION JOINTS AT 20' INTERVALS AND EXPANSION JOINTS AT 80' MAXIMUM SPACING. EXPANSION JOINTS SHALL BE FORMED WITH PRE-MOLDED BITUMINOUS JOINT FILLER AND REBAR TO PREVENT SEPARATION.

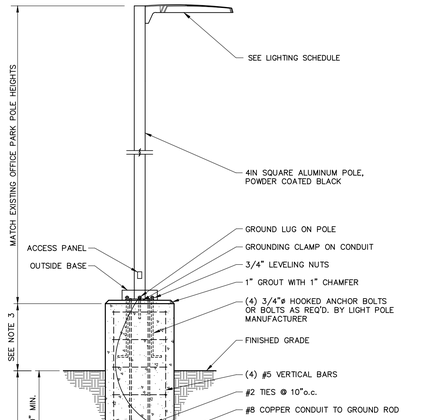
11 MOUNTABLE CURB WITH SIDEWALK BEHIND



7 DECIDUOUS PLANTINGS



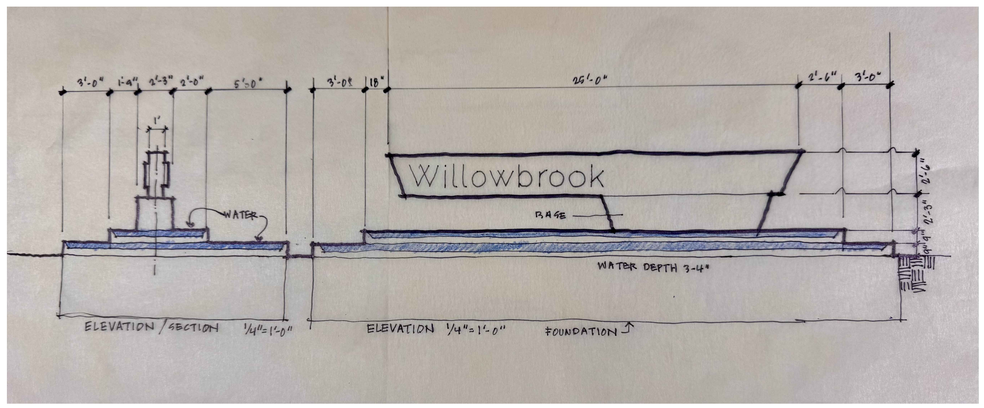
8 CONIFEROUS PLANTINGS



NOTES:

1. POLE BASE MAY BE PRECAST BY LAKELANDS (LB24D)
2. LIGHT POLE MANUFACTURER TO SUPPLY ANCHOR BOLTS, OUTSIDE BASE, AND BOLT PATTERN TEMPLATES.
3. IN PAVEMENT AREAS CONCRETE BASE SHALL EXTEND 24" MINIMUM ABOVE ASPHALT. IN PROTECTED LANDSCAPE AREAS (BEHIND CURB) BASES SHALL HAVE A MINIMUM OF 6" REVEAL ABOVE FINISHED GRADE.
4. BASES SHALL HAVE 2' MIN. HORIZONTAL SEPARATION FROM BACK OF CURB OR SIDEWALK UNLESS SPECIFICALLY CALLED OUT OTHERWISE ON THE PLANS.

9 LIGHT BASE



10 WILLOWBROOK SIGN DETAIL
SUBJECT TO SEPARATE PLANNING BOARD APPROVAL

APPROVED BY:
COMMISSIONER OF PUBLIC WORKS
DATE:

APPROVED BY:
TOWN ENGINEER
DATE:

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PRELIMINARY/FINAL SITE PLANS
for
THE PLACE AT WILLOWBROOK
1407-1451 PITTSFORD VICTOR ROAD
TOWN OF PERINTON MONROE COUNTY COUNTSTATE OF STATE OF NEW YORK

JOB NO:	1780-26
SCALE:	AS SHOWN
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DESIGNED:	MPT
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DATE	BY	REVISION
07/31/26	RB	DPW COMMENTS
09/10/26	RB	PRELIM COMMENTS

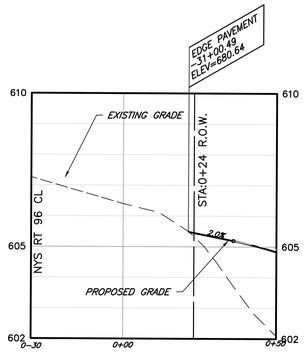
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DRAWING TITLE:
CONSTRUCTION DETAILS

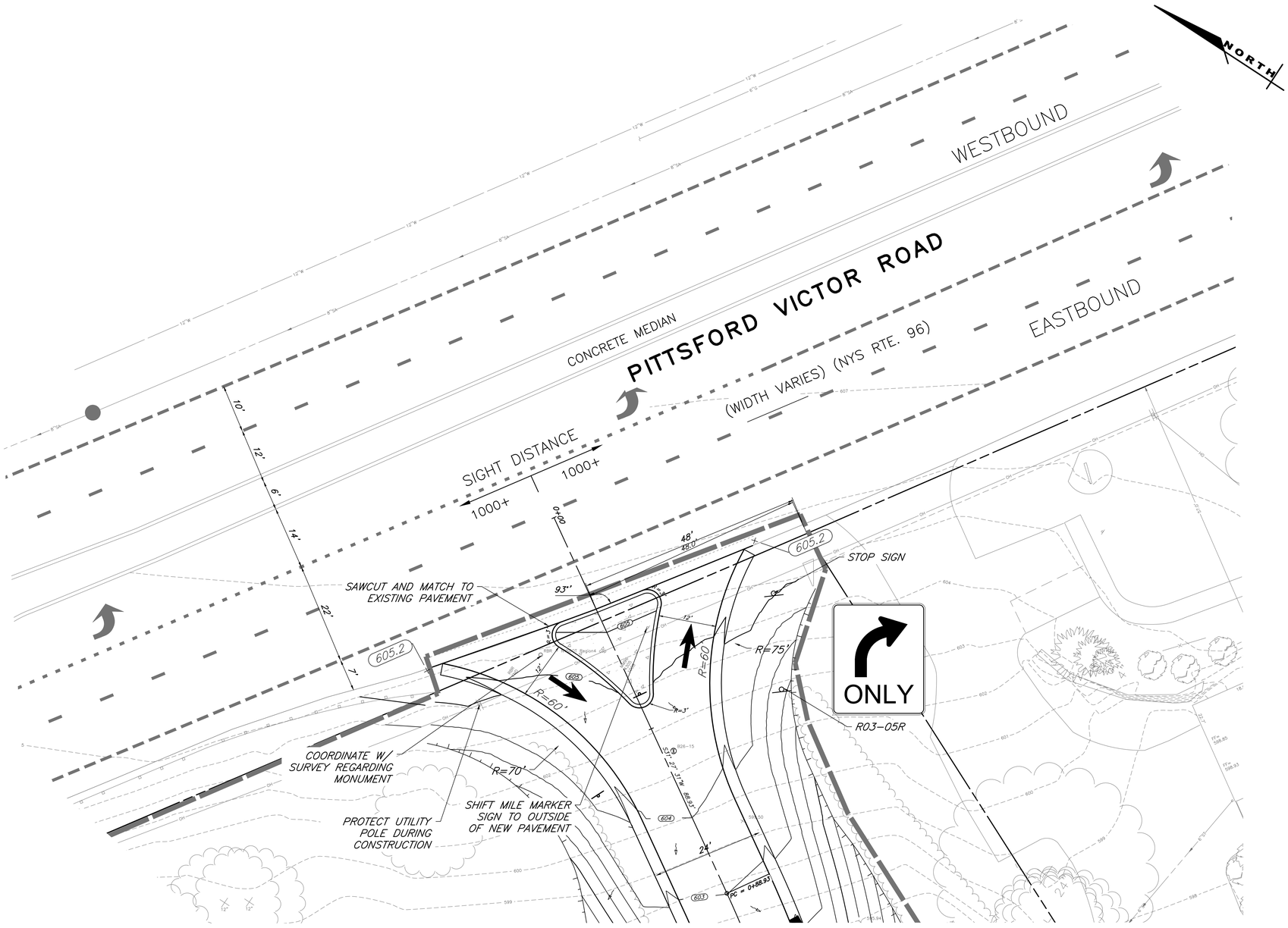
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1780-26 JOB No:	DRAWING No:

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DRIVEWAY PROFILE

V SCALE: 1"= 2' H SCALE: 1"= 20'



DRIVEWAY LAYOUT PLAN

SCALE: 1"= 10'

LEGEND:

- CENTERLINE AND STATIONING (1+00 ℄ 2+00)
- ADJACENT PROPERTY LINE
- PROJECT PROPERTY LINE
- NEW PROPERTY LINE
- EASEMENT LINE
- RIGHT OF WAY (HIGHWAY BOUNDARY)
- SIGN
- EXISTING POWER POLE
- LIGHT POLE
- EXISTING FENCE (DESCRIPTION)
- PROPOSED FENCE (DESCRIPTION)
- CONSTRUCTION FENCE
- CURB
- PROPOSED SIDEWALK

STANDARD GENERAL PLAN NOTES

1. ROAD TO BE KEPT CLEAN OF MUD AND DEBRIS AT ALL TIMES.
2. ROADSIDE DRAINAGE TO BE MAINTAINED AT ALL TIMES.
3. MATERIALS, EQUIPMENT AND VEHICLES ARE NOT TO BE STORED OR PARKED WITHIN THE NEW YORK STATE RIGHT-OF-WAY.
4. MAINTENANCE AND PROTECTION OF TRAFFIC MUST COMPLY WITH THE CURRENT NATIONAL MUTCD WITH NYS SUPPLEMENT, SECTION 619 OF THE CURRENT NYSDOT STANDARD SPECIFICATIONS, THESE PLANS AND AS ORDERED BY THE ASSISTANT RESIDENT ENGINEER. ON A NYSDOT CONSTRUCTION PROJECT, MAINTENANCE AND PROTECTION OF TRAFFIC MUST COMPLY WITH THESE PLANS AND BE IN ACCORDANCE WITH THE NYSDOT CONTRACT DOCUMENTS AS DEEMED NECESSARY BY THE NYS ENGINEER-IN -CHARGE.
5. NOTIFY THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION'S ASSISTANT RESIDENT ENGINEER AT THE APPROPRIATE NUMBER, AS NOTED BELOW, THREE (3) WORK DAYS PRIOR TO WORKING WITHIN THE STATE RIGHT-OF-WAY.

GENESEE CO.	-DAN STAHLEY (585)343-0502	LIVINGSTON CO.	-LARRY AMIDON (585)346-3036
MONROE EAST	-ALFRED OYOYO (585)586-4514	MONROE WEST	-DAWN JINDRA (585)352-3471
ONTARIO CO.	-GREG TROST (585)396-4955	ORLEANS CO.	-RICHARD LOVELACE (585)589-6655
WAYNE CO.	-JEFF JONES (315)332-4000	WYOMING CO.	-BRIAN HOLMES (585)786-3310

THE PERMITTEE IS ADVISED THAT THE NYSDOT IS NOW REVIEWING ALL LANE CLOSURES ON THE PRIORITY NETWORK FOR IMPACT ON TRAFFIC OPERATIONS IN REAL TIME. THE PRIORITY NETWORK, CONSISTS OF INTERSTATES 390, 490, AND 590 AND STATE ROUTES 350,250, 104(FROM NY 390 TO WAYNE COUNTY), US 20, NY 63(FROM STEUBEN COUNTY TO I 90) AND NY 77 IN GENESEE COUNTY. WHEN ANY PARTY INTENDS TO CLOSE A LANE OR SHOULDER ON ANY OF THESE HIGHWAYS, THE SURFACE TRANSPORTATION CONTROLLER (STC) SHALL BE NOTIFIED AT (585) 753-7760. THE CLOSURE WILL BE EVALUATED IN THE LIGHT OF WHAT IS HAPPENING AT THAT TIME ON THE HIGHWAY. INCIDENTS, CONFLICTING WORK ZONES OR OTHER UNPLANNED EVENTS THAT RENDER THE HIGHWAY UNAVAILABLE FOR THE CLOSURE MAY RESULT IN A SHORT-TERM DISAPPROVAL OF CLOSURE UNTIL THE SITUATION HAS BEEN RESOLVED. EVALUATION PROCEDURES ARE AVAILABLE FOR REVIEW AT THE REGIONAL TRAFFIC OPERATIONS CENTER, 1155 SCOTTSVILLE ROAD, ROCHESTER, NY.

6. NOTIFY THE NYSDOT SIGNAL MAINTENANCE FACILITY AT (585) 753-7790 5 DAYS PRIOR TO WORKING WITHIN 350' OF A SIGNALIZED INTERSECTION. NOTIFY DIG SAFELY NEW YORK 2 WORK DAYS PRIOR TO DIGGING, DRILLING, OR BLASTING AT 811 FOR A UTILITY STAKE-OUT.
7. ALL MATERIALS USED WITHIN THE STATE RIGHT-OF-WAY MUST COMPLY WITH THE CURRENT NEW YORK STATE DEPARTMENT OF TRANSPORTATION SPECIFICATIONS ALONG WITH ANY APPROPRIATE CURRENT NYS DEPARTMENT OF TRANSPORTATION'S STANDARD SHEETS.
8. QUALITY CONTROL OF ASPHALT CONCRETE SHALL MEET THE REQUIREMENTS OF SECTION 401 OF THE STANDARD SPECIFICATIONS. ALL ASPHALT PRODUCED AS PART OF SECTION 401 WILL BE PAID AT A FINAL QUANTITY ADJUSTMENT FACTOR OF 1.0 .ASPHALT COURSE DEPTHS SHOWN ON THE PLANS ARE COMPACTED DEPTHS.
9. NO NIGHT WORK SHALL BE ALLOWED UNLESS APPROVED PRIOR TO START OF PERJOECT. ADDITIONAL MAINTENANCE AND PROTECTION OF TRAFFIC OF TRAFFIC MAY REQUIRE INCLUDING THE ADDITIONAL REFLECTIVE MATERIALS AND LIGHTING.
10. HAZARDOUS WASTE NOTIFICATION - THE PERMITTEE ACCEPTS THE RIGHT-OF-WAY OF THE STATE HIGHWAY IN ITS "AS IS" CONDITION. THE DEPARTMENT OF TRANSPORTATION MAKES NO REPRESENTATION AS TO THE ABSENCE OF UNDERGROUND TANKS, STRUCTURES, FEATURES OR SIMILAR IMPEDIMENTS TO THE COMPLETION THE WORK PERMITTED HEREUNDER. SHOULD PERMITTEE FIND SOME PREVIOUSLY UNKNOWN UNDERGROUND IMPEDIMENTS TO ITS WORK, THE DEPARTMENT OF TRANSPORTATION SHALL HAVE NO OBLIGATION TO CURE, REMOVE,REMEDY OR OTHERWISE DEAL WITH SUCH PREVIOUSLY UNKNOWN UNDERGROUND IMPEDIMENTS. THE PERMITTEE REQUIRED TO REMOVE, MODIFY OR OTHERWISE DEAL WITH SUCH UNDERGROUND TANKS, STRUCTURES, FEATURES OR IMPEDIMENTS IN A MANNER WHICH MEETS ACCEPTABLE ENGINEERING PRACTICE AND IS APPROVED BY THE DEPARTMENT OF TRANSPORTATION.

MARATHON ENGINEERING
ROCHESTER LOCATION
39 CASCADE DRIVE
ROCHESTER, NY 14614
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ITHACA LOCATION
840 HANSHAW RD, STE 6
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PRELIMINARY/FINAL SITE PLANS
for
THE PLACE AT WILLOWBROOK

1407-1451 PITTSFORD VICTOR ROAD
MONROE COUNTY COUNTSTATE OF NEW YORK
TOWN OF PERINTON

JOB NO:	1780-26
SCALE:	AS SHOWN
DRAWN:	RLB
DESIGNED:	MPT
DATE:	06/12/2026

DATE	BY	REVISION
07/31/26	RB	DPW COMMENTS
09/10/26	RB	PRELIM COMMENTS

IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW ARTICLE 145, SECTION 7209 FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER IN ANY WAY, AN ORIGINAL OR HARD COPY PROFESSIONAL ENGINEER OR LAND SURVEYOR, IF AN ITEM BEARING THE SEAL OF A PROFESSIONAL ENGINEER OR LAND SURVEYOR IS AFFIXED TO ANY SURVEY MAP OR REPORT, THE DESCRIPTION OF SURVEY WORK PERFORMED BY THEIR SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

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STATE OF NEW YORK
COLE M. PAPASERGI
110080
LICENSED PROFESSIONAL ENGINEER
NOT FOR CONSTRUCTION

COLE M. PAPASERGI

DRAWING TITLE:
NYSDOT
DRIVEWAY PLAN

18 of 21 SHEET No:	C8.0
1780-26 JOB No:	DRAWING No:

File: Z:\Engineering\Job Files\1780-24\Drawings_Sheets\1780-26 C8.X DRIVEWAY.dwg, Last saved: 9/10/2026, Plot Date: 9/10/2026, By: RAFAEL BARRETO, Plot Style: MARATHON STANDARD.CTB

GENERAL NOTES

1. THE TYPICAL DETAILS DEPICTED ON THE STANDARD SHEETS AND IN THE MUTCD, REFLECT THE MINIMUM REQUIREMENTS.
2. PROPOSED REVISIONS TO THE TRAFFIC CONTROL PLAN SHALL BE PROVIDED, IN WRITING, TO THE DOT ENGINEER FOR REVIEW AND APPROVAL BY THE REGIONAL DIRECTOR OR HIS/HER DESIGNEE FIVE (5) WORK DAYS PRIOR TO THE PLANNED IMPLEMENTATION OF SUCH PROPOSED REVISIONS, EXCEPT FOR CHANGES THAT ALTER THE SCOPE OF THE TRAFFIC CONTROL PLAN. SUCH CHANGES IN SCOPE MUST BE SUBMITTED TO THE ENGINEER FOR APPROVAL BY THE REGIONAL DIRECTOR OR HIS/HER DESIGNEE THIRTY (30) WORK DAYS PRIOR TO IMPLEMENTATION OF SUCH REVISIONS.
3. THE NAMES, ADDRESSES, AND TELEPHONE NUMBERS OF STAFF WHO ARE AUTHORIZED TO SECURE LABOR, MATERIALS, AND EQUIPMENT FOR EMERGENCY REPAIRS OUTSIDE NORMAL WORKING HOURS SHALL BE PROVIDED, IN WRITING, TO THE NYSDOT ENGINEER. THE ENGINEER WILL PROVIDE THE SUBMITTED INFORMATION TO REGIONAL MANAGEMENT, THE NEW YORK STATE POLICE, THE RESIDENT ENGINEER, AND THE LOCAL POLICE.
4. STANDARD SHEET 619-503 MAY BE USED FOR AN OFFSITE DETOUR SETUP FOR BOTH LONG TERM AND SHORT TERM WORK DURATIONS.
5. REGIONAL HIGH-VOLUME RESTRICTIONS SHALL BE FOLLOWED. CONSULT WITH DOT ENGINEER IF EXCEPTION NEEDED.
6. PLAN AHEAD TO AVOID CONFLICTING WORK ZONES. CHECK FOR CONSTRUCTION PROJECTS, CLOSURES, & RESTRICTIONS AT WWW.511NY.ORG, WWW.DOT.NY.GOV/PROJECTS, AND WITH NYSDOT ENGINEER.
7. WORK ZONE INCIDENTS SHALL BE DOCUMENTED AND REPORTED USING EITHER THE DEPARTMENT'S WORK ZONE INCIDENT FORM, OR THE CONSTRUCTION INCIDENT REPORTING SYSTEM, AS APPROPRIATE.
8. CONSIDER CLOSURE WIDTH AND THE ABILITY TO ACCOMMODATE WIDE LOAD VEHICLES BEFORE ESTABLISHING WORK ZONES.
9. IF THE WORK ZONE AFFECTS AN EXISTING ACCESSIBLE AND DETECTABLE PEDESTRIAN FACILITY, ACCESSIBILITY AND DETECTABILITY SHALL BE PROVIDED ALONG THE ALTERNATE ROUTE.

ACTIVITY AREA

1. A 500' MINIMUM LONGITUDINAL DISTANCE SHALL BE MAINTAINED BETWEEN CONSTRUCTION OPERATIONS ON ALTERNATE SIDES OF THE ROADWAY, UNLESS OTHERWISE APPROVED BY THE ENGINEER.
2. WHEN TWO OR MORE AREAS ARE ADJACENT, OVERLAP, OR ARE IN CLOSE PROXIMITY, THE CONTRACTOR SHALL ENSURE THERE ARE NO CONFLICTING SIGNS AND THAT LANE CONTINUITY IS MAINTAINED THROUGHOUT ALL WORK AREAS.

SIGNS

1. THE LOCATIONS OF THE SIGNS SHOWN ON THE WORK ZONE TRAFFIC CONTROL PLANS AND DETAILS MAY BE ADJUSTED BASED ON SIGHT DISTANCE AND OTHER CONSIDERATIONS. THE FINAL LOCATIONS OF SIGNS ARE SUBJECT TO APPROVAL OF THE ENGINEER.
2. FOR LONG TERM WORK DURATIONS, ANY EXISTING SIGNS, INCLUDING OVERHEAD SIGNS, WHICH CONFLICT WITH THE TEMPORARY TRAFFIC CONTROL SIGN LAYOUT SHALL BE COVERED, REMOVED, STORED OR RESET, AS APPROVED BY THE ENGINEER. ALL APPROPRIATE EXISTING SIGNS SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AND/OR LOCATION UNLESS OTHERWISE REPLACED IN THIS CONTRACT.
3. SIGNS AT OR NEAR INTERSECTIONS SHALL BE PLACED SO THAT THEY DO NOT OBSTRUCT A MOTORIST'S LINE OF SIGHT.
4. SIGNS MOUNTED ON THE MEDIAN OF DIVIDED HIGHWAYS WHERE MEDIAN BARRIER IS IN PLACE MAY BE MOUNTED ON THE BARRIER WITH A SADDLE TYPE BRACKET OR OMITTED WITH THE APPROVAL OF THE DOT ENGINEER. LAYING THE SIGN DOWN IN A HORIZONTAL POSITION IS NOT PERMITTED.
5. THE DIMENSIONS OF WORK ZONE TRAFFIC CONTROL SIGNS ARE DESCRIBED IN THE MUTCD. ANY CHANGES TO THE DIMENSIONS SHALL BE APPROVED BY THE REGIONAL DIRECTOR OR BY HIS/HER DESIGNEE.
6. NYR9-12 SHALL BE USED IN PLACE OF NYR9-11 WHEN A REDUCED REGULATORY SPEED LIMIT SIGN IS AUTHORIZED.
7. RIGID AND FLEXIBLE "ROLL-UP" SIGNS MAY BE USED FOR MOBILE, SHORT DURATION AND SHORT-TERM STATIONARY WORK. RIGID SIGNS MUST BE MOUNTED AT LEAST 5 FEET ABOVE GRADE (7 FEET WHERE THERE ARE PEDESTRIANS OR PARKED CARS). FLEXIBLE SIGNS SHALL BE MOUNTED AT LEAST ONE FOOT ABOVE GRADE. MESH SIGNS SHALL NOT BE USED. USE RETRO REFLECTORIZED RIGID SIGNS FOR NIGHTTIME WORK.

LANE WIDTHS

1. UNLESS AUTHORIZED BY THE ENGINEER, THE MINIMUM LANE WIDTHS FOR WORK ZONE TRAVEL LANES SHALL BE AS FOLLOWS: FREEWAYS AND/OR EXPRESSWAYS IS 11'. THE MINIMUM LANE WIDTH FOR ALL OTHER TYPES OF ROADWAYS IS 10'.
2. A WRITTEN NOTE SHALL BE PROVIDED TO THE ENGINEER, A MINIMUM OF 21 CALENDAR DAYS IN ADVANCE OF PERFORMING ANY WORK THAT RESULTS IN THE REDUCED WIDTH OF AN EXISTING ROADWAY, SO THAT THE ENGINEER MAY NOTIFY THE REGIONAL PERMIT ENGINEER IN A TIMELY MANNER.
3. IF THE WORK ZONE AFFECTS PEDESTRIANS, A MINIMUM PEDESTRIAN PATHWAY WIDTH OF 5 FEET SHALL BE MAINTAINED UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER.
4. TEMPORARY BICYCLE ACCOMMODATIONS SHALL NOT BE LESS THAN WHAT CURRENTLY EXISTS UNLESS AUTHORIZED BY THE ENGINEER.

PROTECTIVE VEHICLES

1. PROTECTIVE VEHICLES ARE DIVIDED INTO 2 CATEGORIES BASED ON THE GROSS VEHICLE WEIGHT (GVW):

   - PROTECTIVE VEHICLE LIGHT (PVL) SHALL HAVE A MINIMUM GVW OF 9,500 LBS. OR GREATER.

   - PROTECTIVE VEHICLE HEAVY (PVH) SHALL HAVE A MINIMUM GVW OF 22,000 LBS. OR GREATER.
2. IF THE PROTECTIVE VEHICLE ENCROACHES INTO THE TRAVEL LANE, OR IF IT REMAINS ENTIRELY ON THE SHOULDER OF ANY HIGH SPEED ROAD (45 MPH), IT SHALL BE EQUIPPED WITH A DEPLOYED TRUCK/TRAILER MOUNTED IMPACT ATTENUATOR (TMIA, SEE TABLE 011-01 ON SHEET 619-011). BALLAST MAY BE USED TO BRING A LIGHTER VEHICLE UP TO THE INDICATED WEIGHT PROVIDED THE BALLAST IS SECURELY CONTAINED WITHIN AN ENCLOSED BODY OR OTHERWISE SECURELY FASTENED TO THE VEHICLE PURSUANT TO FEDERAL MOTOR CARRIER SAFETY ADMINISTRATION (FMCSA) CARGO SECUREMENT RULES, SUCH THAT:

   - THE BALLAST WILL NOT SEPARATE FROM THE VEHICLE UPON IMPACT AND

   - THE BALLAST WEIGHT WILL NOT EXCEED THE MANUFACTURER'S GROSS VEHICLE WEIGHT RATING (GVWR).

   - TRUCK/TRAILER MOUNTED IMPACT ATTENUATORS SHALL NOT BE MOUNTED/INSTALLED ON VEHICLES WITH A GROSS WEIGHT (GVW) LESS THAN WHAT IS MINIMALLY REQUIRED BY THE MANUFACTURER OF THE TMIA.
3. WHEN A PROTECTIVE VEHICLE(S) IS USED BETWEEN THE WORK VEHICLE (CREW) OR HAZARD AND THE TRAFFIC IN A MOVING OPERATION IT IS REFERRED TO AS A SHADOW VEHICLE(S).
4. WHEN A PROTECTIVE VEHICLE(S) IS USED BETWEEN THE WORK VEHICLE (CREW) OR HAZARD AND THE TRAFFIC IN A STATIONARY OPERATION IT IS REFERRED TO AS A BARRIER VEHICLE(S).
5. WHEN A PROTECTIVE VEHICLE IS USED IN ADVANCE OF EITHER MOVING OR STATIONARY OPERATIONS TO DISPLAY SIGN MESSAGES IT IS REFERRED TO AS AN ADVANCE WARNING VEHICLE. WHEN SIGNS ARE MOUNTED ON AN ADVANCED WARNING VEHICLE, THEY SHALL NOT OBSTRUCT VISIBILITY OF ANY LIGHTS (TAILLIGHTS OR WARNING LIGHTS), OR SIDE-VIEW MIRRORS ON THE VEHICLE, OR TRUCK MOUNTED ARROW BOARDS.
6. IN A MOVING OPERATION OR A STATIONARY OPERATION THAT OCCUPIES A LOCATION FOR UP TO 1 HOUR, THE OPERATOR SHALL REMAIN IN THE PROTECTIVE VEHICLE WITH THE SAFETY BELT AND HEADREST PROPERLY ADJUSTED, MAINTAIN VEHICLE SPACING, AND KEEP THE WHEELS ALIGNED WITH THE LANE STRIPING AND LANE TO MAINTAIN LANE DISCIPLINE AND TO STAY IN LANE IF STRUCK. THE PARKING BRAKE SHALL BE SET WHENEVER POSSIBLE. TWO-WAY RADIOS SHOULD BE USED TO COMMUNICATE BETWEEN THE OPERATOR AND THE WORK CREW.
7. IN A STATIONARY OPERATION THAT OCCUPIES A LOCATION FOR MORE THAN 1 HOUR, ONCE THE PROTECTIVE VEHICLE HAS BEEN APPROPRIATELY PLACED, IT SHOULD BE UNOCCUPIED. UNOCCUPIED VEHICLE SHALL BE POSITIONED PARALLEL TO TRAFFIC, PARKING BRAKE SET, PLACED IN 2ND GEAR (MANUAL TRANSMISSIONS /ENGINE OFF) OR PARK / NEUTRAL (AUTOMATIC TRANSMISSIONS). THE FRONT WHEELS SHALL BE ALIGNED WITH THE LANE STRIPING AND LANE TO MAINTAIN LANE DISCIPLINE AND TO STAY IN LANE IF STRUCK.
8. NO WORK ACTIVITY, EQUIPMENT, VEHICLES AND/OR MATERIALS SHALL BE LOCATED BETWEEN THE PROTECTIVE VEHICLE AND THE ACTIVE WORK AREA (ROLL AHEAD DISTANCE).
9. DIRECT VERBAL COMMUNICATION BETWEEN THE PROTECTIVE VEHICLES AND THE WORK VEHICLE(S) / EQUIPMENT SHALL BE UTILIZED WHERE AVAILABLE.

CHANNELIZING DEVICES

1. WHERE POSSIBLE ALL CHANNELIZING AND GUIDING DEVICES ARE TO BE PLACED SO AS TO PROVIDE A MINIMUM 2' LATERAL CLEARANCE TO THE TRAVELED WAY.
2. A DROP-OFF OF GREATER THAN 24 INCHES WITHIN 10 FEET FROM THE EDGE OF THE TRAVELED WAY TO REMAIN AT THE END OF THE WORK SHIFT SHALL BE SEPARATED FROM TRAFFIC WITH POSITIVE BARRIER. FOR POSTED SPEED LIMIT OF 45 MPH AND LESS, A DROP-OFF OF GREATER THAN 24 INCHES WITHIN 10 FEET FROM THE EDGE OF THE TRAVELED WAY THAT IS 100 FEET OR LESS IN LENGTH WILL BE ALLOWED WITH CHANNELIZING DEVICES CONSISTING OF DRUMS, EXTRA TALL CONES, OR OVERSIZED VERTICAL PANELS ONLY AT A MAXIMUM SPACING OF 20 FEET FOR SHORT DURATIONS NOR TO EXCEED ONE WORK SHIFT.
3. TEMPORARY POSITIVE BARRIER MAY BE SUBSTITUTED WITH DRUM CHANNELIZING DEVICES, IN SOME CIRCUMSTANCES, WITH APPROVAL OF THE REGIONAL TRAFFIC ENGINEER BASED ON GUIDANCE FOUND IN THE HIGHWAY DESIGN MANUAL AND ENGINEERING JUDGEMENT.

PUBLIC ACCESS

1. PROPERTY OWNERS WHOSE DRIVEWAYS WILL BE MADE INACCESSIBLE SHALL BE NOTIFIED AT LEAST 24 HOURS PRIOR TO RESTRICTING USE OF THE DRIVEWAY. FOR MULTIPLE ACCESS PROPERTIES, AT LEAST ONE DRIVEWAY SHALL BE OPEN AT ALL TIMES. ACCESS SHALL BE RESTORED TO ALL DRIVEWAYS AS SOON AS POSSIBLE.
2. SUITABLE RAMPS SHALL BE INSTALLED TO MAINTAIN SMOOTH TRANSITIONS FROM RESIDENTIAL AND COMMERCIAL DRIVEWAYS TO AND FROM THE WORK AREA.

LANE CLOSURES

1. LANE CLOSURES SHALL BE LOCATED TO PROVIDE OPTIMUM VISIBILITY, I.E. BEFORE CURVES AND CRESTS, TO THE EXTENT CONDITIONS PERMIT.
2. THE ENGINEER MAY REQUIRE THAT ALL LANES BE RE-OPENED AT ANY TIME IF THE ROUTE IS NEEDED FOR EMERGENCY PURPOSES. THIS COULD INCLUDE INCIDENTS AT LOCATIONS OUTSIDE THE CONTRACT LIMITS.
3. EACH ARROW PANEL SHALL BE VISIBLE 1500 FEET IN ADVANCE FROM ANY POINT WITHIN THE ROADWAY.

TOLERANCE NOTE

1. ALL DIMENSIONS ON ANY 619 STANDARD SHEET ARE NOMINAL.

   - WHEN A DECIMAL POINT WITH SIGNIFICANT DIGIT(S) TO THE RIGHT OF IT IS/ARE PRESENT-TOLERANCE FOR EACH DIMENSION IS ONE HALF OF THE LAST SIGNIFICANT DIGIT IN THE UNITS SHOWN. (e.g. 1.0' IS 0.05' & 1.00" IS 0.005").

   - OTHERWISE, TOLERANCE FOR EACH DIMENSION IS THE LESSER OF 10% OF THE NOMINAL DIMENSION SHOWN OR 6" (e.g. TOLERANCE FOR 3' IS 3.6" & TOLERANCE FOR 10' IS 6").
2. TOLERANCE ARE NOT CUMULATIVE. ABOVE DOES NOT APPLY WHEN ANY RANGE, MAXIMUM OR MINIMUM DIMENSION OR A CONTEXT SPECIFIC TOLERANCE IS SPECIFIED.

ERRATA 3 EFF. 05/01/24
ISSUED WITH EB 24-007

ERRATA 2 EFF. 09/01/23
ISSUED WITH EB 23-016

ERRATA 1 EFF. 05/01/23
ISSUED WITH EB 22-033

NEW YORK STATE OF OPPORTUNITY. | Department of Transportation

U.S. CUSTOMARY STANDARD SHEET

WORK ZONE TRAFFIC CONTROL
GENERAL NOTES
(SHEET 1 OF 2)

APPROVED DECEMBER 21, 2022
Robert Limoges
ROBERT LIMOGES, P.E.
DIRECTOR, OTSM

ISSUED UNDER EI 22-033
619-010

WORK DURATION DEFINITIONS

1. THERE ARE MAINLY FIVE WORK DURATIONS:

   A. LONG-TERM IS STATIONARY WORK THAT OCCUPIES A LOCATION MORE THAN 3 CONSECUTIVE DAYS.

   B. INTERMEDIATE-TERM IS STATIONARY WORK THAT OCCUPIES A LOCATION MORE THAN ONE DAYLIGHT PERIOD UP TO 3 CONSECUTIVE DAYS, OR NIGHTTIME WORK LASTING MORE THAN 1 HOUR.

   C. SHORT-TERM IS STATIONARY DAYTIME WORK THAT OCCUPIES A LOCATION FOR MORE THAN 1 HOUR WITHIN A SINGLE DAYLIGHT PERIOD.

   D. SHORT DURATION IS WORK THAT OCCUPIES A LOCATION UP TO 1 HOUR. IT CAN BE PERFORMED DURING THE DAYTIME OR AT NIGHT IN ACCORDANCE WITH NOTES N1 TO N11 NOTES ON NIGHTTIME WORK.

   E. MOBILE IS WORK THAT MOVES INTERMITTENTLY OR CONTINUOUSLY WHERE THE WORK AT ANY SPECIFIC LOCATION COMPLETES WITHIN 15 MINUTES. IT IS USED FOR VEHICLE BASED OPERATIONS AND DOES NOT INVOLVE WORKERS ON FOOT. IT CAN BE PERFORMED DURING THE DAYTIME OR AT NIGHT IN ACCORDANCE WITH NOTES N1 TO N10 NOTES ON NIGHTTIME WORK.
2. SPECIAL OPERATIONS ARE WORK OPERATIONS THAT DO NOT FIT INTO ONE OF THE ABOVE FIVE CATEGORIES. SPECIAL OPERATIONS INCLUDE:

   A. STOP AND GO OPERATIONS - WORK THAT COMPLETES WITHIN 5 MINUTES AND ALLOWS WORKERS ON FOOT.

   B. OTHER OPERATIONS INCLUDING MOWING, MULCHING/HERBICIDE OPERATIONS, TEMPORARY ROAD/INTERSECTION CLOSURES, ETC.

ROADWAY TYPE DEFINITIONS

1. FREEWAY:

   A. INTERSTATE: INTERREGIONAL HIGH-SPEED, HIGH-VOLUME, DIVIDED FACILITIES WITH COMPLETE CONTROL OF ACCESS.

   B. PARKWAY: DIVIDED HIGHWAYS FOR NON-COMMERCIAL TRAFFIC WITH FULL CONTROL OF ACCESS, GRADE PARKWAY SEPARATIONS, INTERCHANGES, AND OCCASIONAL AT-GRADE INTERSECTIONS. PARKWAYS ARE DESIGNATED BY LAW.
2. EXPRESSWAY: DIVIDED HIGHWAYS FOR THROUGH TRAFFIC WITH FULL OR PARTIAL CONTROL OF ACCESS AND GENERALLY WITH GRADE SEPARATIONS AT MAJOR CROSSROADS. ALL FREEWAY STANDARD SHEETS ARE APPLICABLE TO EXPRESSWAY.
3. NON-FREEWAY:

   A. MULTILANE DIVIDED HIGHWAY

   B. MULTILANE UNDIVIDED HIGHWAY

   C. TWO-LANE TWO-WAY ROADWAY

   ALL NON-FREEWAYS CAN BE EITHER URBAN OR RURAL:

   URBAN: (MEETS MORE THAN 1 OF THE FOLLOWING CRITERIA)
   •HIGH DENSITY DEVELOPMENT
   •ON-STREET PARKING
   •VARIED BUILDING SETBACKS
   •MULTI-STORY AND LOW-TO MEDIUM-RISE STRUCTURES FOR RESIDENTIAL
   •COMMERCIAL, AND EDUCATIONAL USES, STRUCTURES THAT ACCOMMODATE MIXED USES: COMMERCIAL, RESIDENTIAL, AND PARKING
   •LIGHT INDUSTRIAL, AND SOMETIMES HEAVY INDUSTRIAL, LAND USE
   •PROMINENT DESTINATIONS WITH SPECIALIZED STRUCTURES, E.G., LARGE THEATERS, SPORTS FACILITIES OR CONFERENCE CENTERS
   •HIGH LEVELS OF PEDESTRIAN AND BICYCLIST ACTIVITY, WITH NEARLY CONTINUOUS SIDEWALKS AND MARKED CROSSWALKS
   •HIGHER DENSITY OF TRANSIT STOPS AND ROUTES
   •DRIVEWAY DENSITIES GREATER THAN 25 DRIVEWAYS/MILE ON EACH SIDE OF THE ROAD
   •MINOR COMMERCIAL DRIVEWAY DENSITIES OF 10 DRIVEWAYS/MILE OR GREATER
   •MAJOR COMMERCIAL DRIVEWAYS
   •HIGH DENSITY OF CROSS STREETS

   RURAL: DOES NOT MEET MORE THAN ONE OF THE ABOVE CRITERIA.

NOTES FOR NIGHTTIME OPERATIONS:

N1. WORK OCCURRING AFTER SUNSET AND BEFORE SUNRISE WILL BE CONSIDERED NIGHTTIME OPERATIONS.
N2. ALL SIGNS, STOP/SLOW PADDLES AND RED FLAGS USED TO WARN/ALERT/CONTROL TRAFFIC SHALL BE RETROREFLECTIVE.
N3. ALL WORKERS INVOLVED SHALL WEAR PROTECTIVE HELMETS AND NIGHTTIME APPAREL IN ACCORDANCE WITH §107-05A. HIGH VISIBILITY APPAREL AT ALL TIMES.
N4. VEHICLES OPERATING ON THE PAVEMENT OF A CLOSED ROADWAY OR TRAVEL LANE SHALL DISPLAY ROTATING AMBER BEACONS OR FLASHING LED BEACONS AT ALL TIMES.
N5. LEVEL I ILLUMINATION SHALL BE PROVIDED NEAR THE BEGINNING OF LANE CLOSURE TAPERS AND AT ROAD CLOSURES, INCLUDING THE SETUP AND REMOVAL OF THE CLOSURE TAPERS.
N6. LEVEL II ILLUMINATION SHALL BE PROVIDED FOR FLAGGING STATIONS, ASPHALT PAVING, MILLING, AND CONCRETE PLACEMENT AND/OR REMOVAL OPERATIONS, INCLUDING BRIDGE DECKS, 50 FEET AHEAD OF AND 100 FEET BEHIND A PAVING OR MILLING MACHINE.
N7. LEVEL III ILLUMINATION SHALL BE PROVIDED FOR PAVEMENT OR STRUCTURAL CRACK FILLING, JOINT REPAIR, PAVEMENT PATCHING AND REPAIRS, INSTALLATION OF SIGNAL EQUIPMENT OR OTHER ELECTRICAL/MECHANICAL EQUIPMENT, AND OTHER TASKS INVOLVING FINE DETAILS OR INTRICATE PARTS AND EQUIPMENT.
N8. ALL LIGHTING SHALL BE DESIGNED, INSTALLED, AND OPERATED TO AVOID GLARE THAT AFFECTS TRAFFIC ON THE ROADWAY OR THAT CAUSES ANNOYANCE OR DISCOMFORT FOR RESIDENCES ADJOINING THE ROADWAY.
N9. PRIOR TO THE START OF NIGHTTIME OPERATIONS, A WRITTEN NIGHTTIME OPERATIONS AND LIGHTING PLAN IS REQUIRED FOR APPROVAL FROM THE DOT ENGINEER.
N10. SEE STANDARD SPECIFICATIONS §619 FOR ADDITIONAL REQUIREMENTS AND CONSIDERATIONS. REFER TO SECTION 619-3.19B FOR BALLOON LIGHTING REQUIREMENTS.
N11. FLAGGERS SHALL USE A FLASHLIGHT WITH RED GLOW CONE/RED LED BATON FOR FLAGGING IN NON-ILLUMINATED FLAGGER STATIONS DURING NIGHTTIME OPERATIONS.

ERRATA 1 eff. 09/01/23
ISSUED WITH EB 23-016

NEW YORK STATE OF OPPORTUNITY. | Department of Transportation

U.S. CUSTOMARY STANDARD SHEET

WORK ZONE TRAFFIC CONTROL
GENERAL NOTES
(SHEET 2 OF 2)

APPROVED DECEMBER 21, 2022
Robert Limoges
ROBERT LIMOGES, P.E.
DIRECTOR, OTSM

ISSUED UNDER EI 22-033
619-010

NYSDOT Region 4 Utility Permit Notes

- Road pavement, shoulder and drainage are not to be disturbed or undermined unless indicated otherwise in the plans.
- Suitable non-frozen, non saturated backfill to be used and placed in 6" compacted lifts.
- Pavement to be maintained until a permanent repair can be made.
- Pavement to be replaced in kind or as specified on attached plans.
- All disturbed grass areas within the R.O.W. are to be fine graded, 4" topsoil placed and turf established.

Note

Road plates shall **NOT** be used during the ASnow and Ice Season@ (November 1st through April 1st). During the months of October and April, call the work area jurisdictional N.Y.S.D.O.T. Transportation Maintenance Residency with plate locations. Road plates shall be pinned and ramped. A "STEEL PLATE AHEAD" sign (W8-24) shall be installed in advance of the plate in accordance with Table NY6H-3 on Standard Sheet 619-11. If the surface of the plate is 1" or greater above/below the surrounding pavement, a "BUMP" sign (W8-1) shall be installed between the plate and "STEEL PLATE AHEAD" sign in accordance with Table NY6H-3 on Standard Sheet 619-11 and a barrel with a Type A flasher shall be placed on the shoulder at the plate.

Winter Asphalt Pavement and Shoulder Restoration

Excavation backfill shall be with No. 2 stone (not crusher run), Item 623.12, placed to six inches (6") below the existing pavement surface. The remaining six inches (6") shall have concrete placed to match existing adjacent pavement grade and shall have a good, smooth, non-polished riding surface.

In the spring, when asphalt plants open, the concrete and stone shall be removed to the existing bottom of the subbase in order to perform final restoration per previously approved N.Y.S.D.O.T. pavement restoration procedures.

Test Pits

All test pits in the pavement shall be completed by an 18" square/round vacuum excavation.

Excavation Support System Requirements

Any excavation 5 feet or more in depth shall utilize a shields and shoring or sheeting system which provides direct contact and support of the excavation sides. The system shall accommodate any associated surcharge loads and shall be submitted to NYSDOT's Regional Geotechnical Engineer for review and approval prior to permit issuance.

A sloping (layback) option will not be allowed.

Shields and shoring or sheeting system requirements do not pertain to test pits which are 18" or less in diameter.

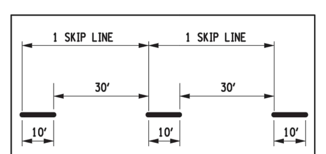
R-4 (03/15)

WORK ZONE TRAFFIC CONTROL LEGEND

SYMBOL	DESCRIPTION
	ARROW PANEL
	ARROW PANEL, CAUTION MODE
	ARROW PANEL TRAILER OR SUPPORT
	CHANGEABLE MESSAGE SIGN (PVMS)
	CHANNELIZING DEVICE
	CONE
	CRASH CUSHION/TEMPORARY IMPACT ATTENUATOR
	DIRECTION OF TEMPORARY TRAFFIC DETOUR
	DIRECTION OF TRAFFIC
	AUTOMATED FLAGGER ASSISTANCE DEVICE WITH OPERATOR
	FLAGGER
	FLAG TREE
	LUMINAIRE
	MOWER
	PARKWAY GRASS SHOULDER
	PAVEMENT MARKINGS THAT SHALL BE REMOVED FOR A LONG TERM PROJECT
PVMS	PORTABLE VARIABLE MESSAGE SIGN
	ADVANCE WARNING SIGN WITH ORANGE FLAGS
	TRAILER FOR ARROW PANEL OR PORTABLE VARIABLE MESSAGE SIGN (PVMS)

WORK ZONE TRAFFIC CONTROL LEGEND

SYMBOL	DESCRIPTION
	SIGN, TEMPORARY
	SPOTTER
	TEMPORARY POSITIVE BARRIER
	TEMPORARY POSITIVE BARRIER WITH WARNING LIGHTS
	TEMPORARY TRAFFIC SIGNAL HEAD
	TYPE III BARRICADE
	WARNING LIGHTS
	WORK AREA
	WORK VEHICLE
	WORK VEHICLE (MULCHING/HERBICIDE OPERATION)
	WORK VEHICLE (PAVEMENT MARKING)
	WORK VEHICLE (SIGNAL WORK)
PV	PROTECTIVE VEHICLE
PVL	PROTECTIVE VEHICLE LIGHT
PVH	PROTECTIVE VEHICLE HEAVY
	TRUCK/TRAILER MOUNTED IMPACT ATTENUATOR (TMIA)



EXISTING NORMAL BROKEN LANE LINE
DETAIL 011A - EXISTING SKIP LINES

ERRATA 2 EFF. 09/01/23
ISSUED WITH EB 23-016

ERRATA 1 EFF. 05/01/2023
ISSUED WITH EB 22-033

NEW YORK STATE OF OPPORTUNITY. | Department of Transportation

U.S. CUSTOMARY STANDARD SHEET

WORK ZONE TRAFFIC CONTROL
GENERAL TABLES AND LEGEND
(SHEET 1 OF 2)

APPROVED DECEMBER 21, 2022
Robert Limoges
ROBERT LIMOGES, P.E.
DIRECTOR, OTSM

ISSUED UNDER EI 22-033
619-011

TABLE 011-01: PROTECTIVE VEHICLE REQUIREMENTS A,B

CLOSURE TYPE	DURATION	MOBILE OPERATION AND STOP & GO				SHORT DURATION OPERATION				SHORT TERM OPERATION				INTERMEDIATE TERM OPERATION				LONG TERM OPERATION			
	ROAD TYPE & SPEED	FREEWAY	NON-FREEWAY			FREEWAY	NON-FREEWAY			FREEWAY	NON-FREEWAY			FREEWAY	NON-FREEWAY			FREEWAY	NON-FREEWAY		
			≥ 45 MPH	35 - 40 MPH	≤ 30 MPH		≥ 45 MPH	35 - 40 MPH	≤ 30 MPH		≥ 45 MPH	35 - 40 MPH	≤ 30 MPH		≥ 45 MPH	35 - 40 MPH	≤ 30 MPH		≥ 45 MPH	35 - 40 MPH	≤ 30 MPH
	EXPOSURE CONDITIONS (SEE NOTE 1)																				
LANE CLOSURE OR ENCROACHMENT	WORKERS ON FOOT OR WORK VEHICLE EXPOSED TO TRAFFIC	PVH+TMIA	PVH+TMIA	PVL+TMIA	PVL	PVH+TMIA	PVH+TMIA	PVL+TMIA	PVL	PVH+TMIA	PVH+TMIA	PVL+TMIA	PVL	PVH+TMIA	PVH+TMIA	PVL+TMIA	SEE NOTE 2	PVH+TMIA	PVH+TMIA	PVL+TMIA	SEE NOTE 2
LANE CLOSURE OR ENCROACHMENT	-NO WORKERS ON FOOT -NO WORK VEHICLE EXPOSED TO TRAFFIC -OTHER HAZARDS EXPOSED (IE EQUIPMENT, MATERIALS)					PVH+TMIA	PVH+TMIA	PVL	PVL	PVH+TMIA	PVH+TMIA	PVL	SEE NOTE 2	PVH+TMIA	PVH+TMIA	SEE NOTE 2	SEE NOTE 2	PVH+TMIA	PVH+TMIA	SEE NOTE 2	SEE NOTE 2
SHOULDER CLOSURE OR ENCROACHMENT	WORKERS ON FOOT OR WORK VEHICLE EXPOSED TO TRAFFIC	PVH+TMIA	PVH+TMIA	PVL+TMIA	PVL	PVH+TMIA	PVH+TMIA	PVL	PVL	PVH+TMIA	PVH+TMIA	PVL	PVL	PVH+TMIA	PVH+TMIA	SEE NOTE 2	SEE NOTE 2	PVH+TMIA	PVH+TMIA	SEE NOTE 2	SEE NOTE 2
SHOULDER CLOSURE OR ENCROACHMENT	-NO WORKERS ON FOOT -NO WORK VEHICLE EXPOSED TO TRAFFIC -OTHER HAZARDS EXPOSED (IE EQUIPMENT, MATERIALS, EXCAVATION)					PVH+TMIA	PVH+TMIA	PVL	PVL	PVH+TMIA	PVH+TMIA	PVL	SEE NOTE 2	PVH+TMIA	SEE NOTE 3	SEE NOTE 2	SEE NOTE 2	PVH+TMIA	SEE NOTE 3	SEE NOTE 2	SEE NOTE 2

LEGEND
PVL - PROTECTIVE VEHICLE LIGHT (MINIMUM GROSS WEIGHT 9,500 LBS. OR GREATER) (SEE NOTE 5)
PVH - PROTECTIVE VEHICLE HEAVY (MINIMUM GROSS WEIGHT 22,000 LBS. OR GREATER)
TMIA - TRUCK/TRAILER MOUNTED IMPACT ATTENUATOR

A. THESE PROTECTIVE VEHICLE REQUIREMENTS ARE NOT APPLICABLE TO PAVING AND MILLING OPERATIONS. A STANDARD BUFFER SPACE SHALL BE PROVIDED FOR THESE OPERATIONS IN ACCORDANCE WITH TABLE 011-03.

B. THESE PROTECTIVE VEHICLE REQUIREMENTS ARE NOT APPLICABLE TO FLAGGING OPERATIONS. PROTECTIVE VEHICLES WITH APPROPRIATE ROLL AHEAD DISTANCE MAY BE USED IN ADVANCE OF THE WORK AREA IF DEEMED NECESSARY BY THE DOT ENGINEER AND THEIR DESIGNEE.

NOTES
1. THE EXPOSURE CONDITIONS ASSUME THERE IS NO POSITIVE PROTECTION PRESENT.
2. EITHER A PROTECTIVE LIGHT (PVL) OR THE STANDARD BUFFER SPACE (SEE TABLE 011-03 SHALL BE PROVIDED.
3. EITHER A PROTECTIVE VEHICLE HEAVY (PVH) OR THE STANDARD BUFFER SPACE (SEE TABLE 011-03) SHALL BE PROVIDED.
4. TRUCK/TRAILER MOUNTED IMPACT ATTENUATORS (TMIA) SHALL NOT BE MOUNTED/INSTALLED ON VEHICLES WITH A GROSS VEHICLE WEIGHT (GVW) LESS THAN WHAT IS MINIMALLY REQUIRED BY THE MANUFACTURER OF THE TMIA.
5. THE USE OF A PROTECTIVE VEHICLE LIGHT (PVL) AS A SHADOW VEHICLE IS LIMITED TO NON-FREEWAY ROADWAYS WHERE THE POSTED SPEED LIMITS IS ≤ 40 MPH UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER.

TABLE 011-02: TAPER LENGTHS & NUMBER OF CONES CHART

PRECONSTRUCTION POSTED SPEED LIMIT (MPH)	TAPER LENGTH: (FT.)/ * OF SKIP LINES/ * OF CHANNELIZING DEVICES									SHOULDER TAPER LENGTH: (FT.)/ * OF SKIP LINES/ * OF CHANNELIZING DEVICES						
	LATERAL SHIFT OF TRAFFIC FLOW PATH (FT.)									FOR SHOULDER WIDTH						
	4	5	6	7	8	9	10	11	12	≤ 4 FT.	5 - 7 FT.	8 FT.	9 FT.	10 FT.	11 FT.	12 FT.
25	40/1/2	80/2/3	80/2/3	80/2/3	80/2/3	120/3/4	120/3/4	120/3/4	120/3/4	40/1/2	40/1/2	40/1/2	40/1/2	40/1/2	40/1/2	40/1/2
30	80/2/3	80/2/3	80/2/3	120/3/4	120/3/4	160/4/5	160/4/5	160/4/5	200/5/6	40/1/2	40/1/2	40/1/2	40/1/2	80/2/3	80/2/3	80/2/3
35	80/2/3	120/3/4	120/3/4	160/4/5	160/4/5	200/5/6	200/5/6	240/6/7	240/6/7	40/1/2	40/1/2	80/2/3	80/2/3	80/2/3	80/2/3	80/2/3
40	120/3/4	160/4/5	160/4/5	200/5/6	240/6/7	240/6/7	280/7/8	320/8/9	320/8/9	40/1/2	80/2/3	80/2/3	80/2/3	120/3/4	120/3/4	120/3/4
45	200/5/6	240/6/7	280/7/8	320/8/9	360/9/10	400/10/11	440/11/12	520/13/14	560/14/15	80/2/3	80/2/3	120/3/4	120/3/4	120/3/4	120/3/4	160/4/5
50	200/5/6	240/6/7	320/8/9	360/9/10	400/10/11	440/11/12	520/13/14	560/14/15	600/15/16	80/2/3	120/3/4	160/4/5	160/4/5	160/4/5	160/4/5	160/4/5
55	240/6/7	280/7/8	320/8/9	400/10/11	440/11/12	520/13/14	560/14/15	600/15/16	680/17/18	80/2/3	120/3/4	160/4/5	160/4/5	160/4/5	200/5/6	200/5/6
60	240/6/7	320/8/9	360/9/10	440/11/12	480/12/13	560/14/15	600/15/16	680/17/18	720/18/19	80/2/3	120/3/4	160/4/5	200/5/6	200/5/6	240/6/7	240/6/7
65	280/7/8	320/8/9	400/10/11	480/12/13	520/13/14	600/15/16	640/16/17	720/18/19	800/19/20	80/2/3	160/4/5	200/5/6	240/6/7	240/6/7	280/7/8	280/7/8

• THIS TABLE WAS CREATED WITH REFERENCE TO MUTCD TABLE 6H-4.
•• THE NUMBER OF CHANNELIZING DEVICES SHOWN IS CALCULATED BASED ON A 40FT DEVICE SPACING. THE NUMBER OF CHANNELIZING DEVICES CAN BE ADJUSTED AS NECESSARY.

TABLE 011-03
LONGITUDINAL BUFFER SPACE

PRECONSTRUCTION POSTED SPEED LIMIT (MPH)	DISTANCE (FT.)/ * OF SKIP LINES
25	155 / 4
30	200 / 5
35	250 / 6
40	305 / 8
45	360 / 9
50	425 / 11
55	495 / 13
65	645 / 16

• THIS TABLE IS THE SAME AS MUTCD TABLE 6C-2.

TABLE 011-04: ROLL AHEAD DISTANCE FOR PROTECTIVE VEHICLES

PRECONSTRUCTION POSTED SPEED LIMIT (MPH)	ROLL AHEAD DISTANCE (FT.)/* OF SKIP LINES FOR VEHICLES			
	PROTECTIVE VEHICLES WEIGHING 9,500 TO 21,999 LBS. GVW		PROTECTIVE VEHICLES WEIGHING 22,000 LBS. OR GREATER GVW	
	STATIONARY OPERATION	MOVING OPERATION (15 MPH MAX.)	STATIONARY OPERATION	MOVING OPERATION (15 MPH MAX.)
≥ 60	200/5	240/6	160/4	200/5
45 - 55	160/4	200/5	120/3	160/4
≤ 40	120/3	120/3	80/2	120/3

TABLE 011-05
FLARE RATES FOR POSITIVE BARRIER

TYPE OF POSITIVE BARRIER	POSTED SPEED LIMIT				
	30 MPH	40 MPH	50 MPH	55 MPH	65 MPH
TEMPORARY POSITIVE BARRIER	8:1	11:1	14:1	16:1	20:1
BOX BEAM OR HEAVY POST CORRUGATED BEAM	7:1	9:1	11:1	12:1	15:1

TABLE 011-06
ADVANCE WARNING SIGN SPACING

ROAD TYPE	DISTANCE BETWEEN SIGNS			SIGN LEGEND	
	A (FT.)	B (FT.)	C (FT.)	XX	YY
URBAN (≤ 30 MPH•)	100	100	100	AHEAD	AHEAD
URBAN (35-40 MPH•)	200	200	200	AHEAD	AHEAD
URBAN (≥ 45 MPH•)	350	350	350	1000 FT.	AHEAD
RURAL	500	500	500	1500 FT.	1000 FT.
FREEWAY	1000	1500	2640	1 MILE	½ MILE

• PRECONSTRUCTION POSTED SPEED LIMIT.
•• THIS TABLE IS THE SAME AS MUTCD TABLE NY6H-3.

TABLE 011-07
TAPER LENGTH FOR TEMPORARY TRAFFIC CONTROL ZONES

TYPE OF TAPER	TAPER LENGTH (L)
MERGING TAPER	L
SHIFTING TAPER	L/2
SHOULDER TAPER	L/3
ONE-LANE, TWO-WAY TRAFFIC TAPER	50 FT. MIN -100 FT. MAX
DOWNSTREAM TAPER	50 FT. MIN -100 FT. MAX

• THIS TABLE IS THE SAME AS MUTCD TABLE 6C-3.

ERRATA 2 EFF. 09/01/23
ISSUED WITH EB 23-016

ERRATA 1 EFF. 05/01/2023
ISSUED WITH EB 22-033

NEW YORK STATE OF OPPORTUNITY. | Department of Transportation

U.S. CUSTOMARY STANDARD SHEET

WORK ZONE TRAFFIC CONTROL
GENERAL TABLES AND LEGEND
(SHEET 2 OF 2)

APPROVED DECEMBER 21, 2022
Robert Limoges
ROBERT LIMOGES, P.E.
DIRECTOR, OTSM

ISSUED UNDER EI 22-033
619-011

SPECIAL NOTE
TEMPORARY LANE/SHOULDER CLOSURE RESTRICTIONS FOR MAJOR HOLIDAYS

There shall be no temporary lane/shoulder closures on roadway facilities owned and/or maintained by NYSDOT on the major holidays listed below.

Construction activities that will result in temporary lane/shoulder closures shall be suspended to minimize travel delays associated with road work for major holidays as follows:

Holiday	Falls on	Temporary lane closures are NOT allowed from
New Year's Day Independence Day Christmas Day	Sunday or Monday	6:00 AM Friday before to 6:00 AM Tuesday after
	Tuesday	6:00 AM Saturday before to 6:00 AM Wednesday after (starting at 6:00 AM Friday before to 6:00 AM Wednesday after for Christmas Day)
	Wednesday	6:00 AM Tuesday before to 6:00 AM Thursday after (starting at 6:00 AM Saturday before to 6:00 AM Thursday after for Christmas Day)
	Thursday	6:00 AM Thursday to 6:00 AM Monday after (starting at 6:00 AM Wednesday before to 6:00 AM Monday after for Christmas Day)
	Friday or Saturday	6:00 AM Thursday before to 6:00 AM Monday after

Holiday	Falls on	Temporary lane closures are NOT allowed from
Memorial Day Labor Day	Monday	6:00 AM Friday before to 6:00 AM Tuesday after
Thanksgiving Day	Thursday	6:00 AM Wednesday before to 6:00 AM Monday after

Exceptions can only be made under the following conditions:
- Emergency work.
- Work within long-term stationary lane/shoulder closures.
- Safety work that does not adversely impact traffic mobility and has been authorized by the Regional Traffic Engineer.

Note: The Department reserves the right to cancel any work operations, including lane closures and/or total road closures, that would create traffic delays by unforeseen events. The Contractor would be notified at least seven (7) calendar days prior to the proposed work.

MARATHON ENGINEERING
ROCHESTER LOCATION
39 CASCADE DRIVE
ROCHESTER, NY 14614
585-458-7770
ITHACA LOCATION
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607-241-2917
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PRELIMINARY/FINAL SITE PLANS
for
THE PLACE AT WILLOWBROOK
1407-1451 PITTSFORD VICTOR ROAD
MONROE COUNTY STATE OF NEW YORK
TOWN OF PERINTON

JOB NO:	1780-26
SCALE:	AS SHOWN
DRAWN:	RLB
DESIGNED:	MPT
DATE:	06/12/2026

DATE	BY	REVISION
07/31/26	RB	DPW COMMENTS
09/10/26	RB	PRELIM COMMENTS

IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW ARTICLE 145, SECTION 7209 FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER IN ANY WAY, AN ITEM BEARING THE SEAL OF A PROFESSIONAL ENGINEER OR LAND SURVEYOR. IF AN ITEM BEARING THE SEAL OF A PROFESSIONAL ENGINEER OR LAND SURVEYOR IS ALTERED, THE ALTERING ENGINEER OR LAND SURVEYOR SHALL AFFIX TO THE ITEM THEIR SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.
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DRAWING TITLE:
NYSDOT DRIVEWAY DETAILS

19 of 21
SHEET No:
C8.1
DRAWING No:
1780-26
JOB No:

File: Z:\Engineering\Job Files\1780-24\Drawings_Sheets\1780-26 C8.X DRIVEWAY.dwg, Last saved: 9/10/2026, Plot Date: 9/10/2026, By: RAFAEL BARRETO, Plot Style: MARATHON STANDARD.CTB

WORK ZONE TRAFFIC CONTROL SIGN TABLE

SIGN	SIGN DESIGNATION	COLOR CODE	NON-FREEWAY	EXPRESSWAY	FREEWAY
EXIT	E15-1	C	----------	72"X60"	72"X60"
EXIT ONLY	G20-1	A	36"X18"	48"X24"	48"X24"
EXIT ONLY	G20-2	A	36"X18"	48"X24"	48"X24"
EXIT ONLY	G20-4	A	36"X18"	----------	----------
EXIT	G20-5aP	A	24"X18"	30"X24"	30"X24"
22 22	W1-1	G	1 OR 2 DIGITS 24"X24"	36"X36"	36"X36"
495	W1-1A	G	3 DIGITS 30"X24"	45"X36"	45"X36"
X XX	W1-4	B	1 OR 2 DIGITS 24"X24"	36"X36"	36"X36"
XXX	W1-4A	B	3 DIGITS 30"X24"	45"X36"	45"X36"
NORTH	W3-1	SEE NOTE 3	24"X12"	36"X18"	36"X18"
EAST	W3-2				
SOUTH	W3-3				
WEST	W3-4				
EXIT	W4-8	A	24"X12"	36"X18"	36"X18"
ONE WAY	W4-8a	A	24"X18"	24"X18"	24"X18"
EXPRESS LANE ONLY	W4-9 W5-5 W9-9R	A	30"X24"	48"X36"	48"X36"
LOC. & DIRECTION	W4-9a	A	30"X24"	30"X24"	----------
LOC. & DIRECTION	W4-9b	A	30"X24"	30"X24"	----------
LOC. & DIRECTION	W4-9c	A	30"X24"	30"X24"	----------
SCHOOL	W4-10L	A	48"X18"	48"X18"	48"X18"
SCHOOL	W4-10R				
	W5-1	SEE NOTE 3	21"X15"	30"X21"	30"X21"
	W5-2	SEE NOTE 3	21"X15"	30"X21"	30"X21"
	W6-1	SEE NOTE 3	21"X15"	30"X21"	30"X21"
	W6-2				
	W6-3				
	W6-4				
XX XX	W7W1-1	B	24"X24"	36"X36"	36"X36"
XXX	W7W2-1	B	30"X24"	45"X36"	45"X36"
XXXX	W7W2-2	B	30"X24"	45"X36"	45"X36"

SIGN	SIGN DESIGNATION	COLOR CODE	NON-FREEWAY	EXPRESSWAY	FREEWAY
ENTRANCE ONLY WITH TWO LANES TO USE	W7R9-11	B	24"X42"	48"X84"	48"X84"
EXIT ONLY WITH TWO LANES TO USE	W7R9-12	B	24"X36"	36"X54"	48"X72"
ONE WAY	W7W4-17	A	36"X36"	48"X48"	48"X48"
ONLY	W7W5-30	A	48"X24"	48"X24"	48"X24"
LEFT LANE	W7W5-31	A	48"X24"	48"X24"	48"X24"
RIGHT LANE	W7W5-32	A	48"X24"	48"X24"	48"X24"
LANE ENDS	W7W5-33	A	48"X24"	48"X24"	48"X24"
STOP	R1-1	D	36"X36"	36"X36"	48"X48"
SPEED XX	R2-1	B	24"X30" OR 30"X36" (SEE NOTE 5)	36"X48"	36"X48"
FOR TWO LANES	R2-11	B	24"X30"	36"X48"	36"X48"
FOR TWO LANES	R2-12	B	24"X30"	36"X54"	36"X54"
NO PASSING ZONE	R4-1	B	24"X30"	36"X48"	36"X48"
	R4-7	B	24"X30"	36"X48"	36"X48"
	R4-7a	B	18"X30"	----------	----------
KEEP RIGHT	R4-8	B	24"X30"	36"X48"	36"X48"
	R4-8c MARROW	B	18"X30"	----------	----------
KEEP RIGHT	R4-9	B	24"X30"	36"X48"	36"X48"
	R5-1	E	36"X36"	36"X36"	48"X48"
	R8-3	E	24"X24"	36"X36"	48"X48"
HANDICAPPED PARKING	R9-8	B	36"X18"	36"X18"	----------
ATHENS CLOSED	R9-9	B	24"X12"	24"X12"	----------
SPEED XXX (R2-1 OR R2-1a)	R9-10	B	24"X12"	24"X12"	----------
SPEED XXX (R2-1 OR R2-1a)	R9-10L R9-10R	B	24"X12"	24"X12"	----------
SPEED XXX (R2-1 OR R2-1a)	R9-11L R9-11R	B	24"X18"	24"X18"	----------
SPEED XXX (R2-1 OR R2-1a)	R9-11aL R9-11aR	B	24"X12"	24"X12"	----------
STOP HERE ON RED	R10-6	B	24"X30"	24"X36"	----------

SIGN	SIGN DESIGNATION	COLOR CODE	NON-FREEWAY	EXPRESSWAY	FREEWAY
ROAD CLOSED	R11-2	B	48"X30"	48"X30"	48"X30"
BRIDGE CLOSED					
ROAD CLOSED TO VEHICLES	R11-2 W8DJ				
ROAD CLOSED TO ALL TRAFFIC	R11-3a	B	60"X30"	60"X30"	----------
	W1-6L W1-6R	A	36"X30"	48"X48"	48"X48"
	W1-8L W1-8R	A	36"X30"	48"X48"	48"X48"
	W1-8L W1-8R	A	36"X30"	48"X48"	48"X48"
	W1-6L	A	48"X24"	60"X30"	60"X30"
	W1-6R	A			
	W1-8L	A (NO BORDER)	18"X24"	30"X36"	30"X36"
	W1-8R				
	W3-1	A^4	36"X36"	48"X48"	48"X48"
	W3-2	A^4	36"X36"	48"X48"	48"X48"
	W3-3	A^4	36"X36"	48"X48"	48"X48"
	W3-4	A	36"X36"	48"X48"	48"X48"
	W3-5	A^4	36"X36"	48"X48"	48"X48"
	W4-3L W4-3R	A	36"X36"	48"X48"	48"X48"
	W4-5L W4-5R	A	36"X36"	48"X48"	48"X48"

SIGN	SIGN DESIGNATION	COLOR CODE	NON-FREEWAY	EXPRESSWAY	FREEWAY
ROUNDABOUT	W7W2-1	A	36"X30"	48"X48"	48"X48"
ROAD CLOSED	G20-5aP	GF.12	24"X18"	36"X24"	36"X24"
EXIT OPEN	E15-2	GF.28	48"X30"	48"X36"	48"X36"
EXIT CLOSED	E15-2a	GF.28	48"X30"	48"X36"	48"X36"

COLOR CODE LEGEND

CODE	DESCRIPTION
A	BLACK LEGEND AND BORDER ON AN ORANGE BACKGROUND
B	BLACK LEGEND AND BORDER ON A WHITE BACKGROUND
C	WHITE LEGEND AND BORDER ON A GREEN BACKGROUND
D	WHITE LEGEND AND BORDER ON A RED BACKGROUND
E	RED LEGEND AND BORDER ON A WHITE BACKGROUND
F	BLACK LEGEND AND BORDER ON A FLUORESCENT YELLOW GREEN BACKGROUND
G	WHITE LEGEND AND BORDER ON A BLUE AND RED BACKGROUND

NOTES:
1. DIMENSIONS ARE SHOWN AS WIDTH X HEIGHT.
2. FOR SIGNAGE NOT SHOWN ON THESE TABLES REFER TO THE M.U.T.C.D.
3. COLORS FOR DIRECTION PLAQUES, ADVANCE TURN ARROWS, AND DIRECTIONAL ARROWS SHALL MATCH THE ROUTE OR INTERSTATE SIGN THAT THEY SUPPLEMENT AS PER THE M.U.T.C.D.
4. MULTICOLORED SYMBOL IMPOSED ON SIGN WITH BLACK LEGEND AND BORDER ON AN ORANGE BACKGROUND.
5. FOR R2-1 SIGN LARGER DIMENSIONS SHALL BE USED WHEN SIGN FACES MULTIPLE LANES ON A CONVENTIONAL ROAD.

NEW YORK STATE OF OPPORTUNITY. Department of Transportation

U.S. CUSTOMARY STANDARD SHEET

WORK ZONE TRAFFIC CONTROL SIGN TABLE (SHEET 1 OF 3)

APPROVED DECEMBER 2, 2021 — Robert Lineagen — ROBERT LINEGER, P.E., DIRECTOR, OTSM

ISSUED UNDER EI 21-028: 619-012

WORK ZONE TRAFFIC CONTROL SIGN TABLE

SIGN	SIGN DESIGNATION	COLOR CODE	NON-FREEWAY	EXPRESSWAY	FREEWAY
	W5-1	A	36"X36"	48"X48"	48"X48"
	W5-4	A	36"X36"	48"X48"	48"X48"
	W6-3	A	36"X36"	48"X48"	48"X48"
	W7-3aP	A	24"X18"	36"X24"	36"X24"
	W8-1	A	36"X36"	48"X48"	48"X48"
	W8-3	A	36"X36"	48"X48"	48"X48"
	W8-7	A	36"X36"	48"X48"	48"X48"
	W8-8	A	36"X36"	48"X48"	48"X48"
	W8-9	A	36"X36"	48"X48"	48"X48"
	W8-12	A	36"X36"	----------	----------
	W8-14	A	36"X36"	48"X48"	48"X48"
	W8-15	A	36"X36"	48"X48"	48"X48"
	W8-17	A	36"X36"	48"X48"	48"X48"
	W8-17p	A	24"X18"	30"X24"	30"X24"
	W8-23	A	36"X36"	48"X48"	48"X48"
	W8-24	A	36"X36"	48"X48"	48"X48"
	W9-3	A	36"X36"	48"X48"	48"X48"
	W11-1L W11-1R	F	36"X36"	36"X36"	----------
	W11-2L W11-2R	F	36"X36"	36"X36"	----------
	W11-15L W11-15R	F	36"X36"	36"X36"	----------
W ONE	W1W5-32P	F	24"X18"	24"X18"	----------

SIGN	SIGN DESIGNATION	COLOR CODE	NON-FREEWAY	EXPRESSWAY	FREEWAY
XX MPH	W13-1P	A	24"X24"	30"X30"	30"X30"
ON RAMP	W13-4	A	36"X36"	36"X36"	36"X36"
TRUCK ESCAPE RAMP	W13-6P	A	48"X48"X36"	----------	----------
TRUCK	W16-2P	A	24"X18"	30"X24"	----------
TRUCK	W7-3aP	SEE NOTE 3 & SH 2	30"X24"	----------	----------
	W16-6P				
	W16-5PL W16-5PR	A	24"X18"	----------	----------
	W16-7PL W16-7PR	SEE NOTE 3 & SH 2	24"X12"	30"X18"	----------
AHEAD	W16-9P	SEE NOTE 3 & SH 2	24"X12"	30"X18"	----------

SIGN	SIGN DESIGNATION	COLOR CODE	NON-FREEWAY	EXPRESSWAY	FREEWAY
	W21-1	A	36"X36"	48"X48"	48"X48"
SLOW MOVING	W21-4	A	36"X18"	48"X24"	48"X24"
	W21-5	A	36"X36"	48"X48"	48"X48"
	W21-5aL W21-5aR	A	36"X36"	48"X48"	48"X48"
	W21-5bL W21-5bR	A	36"X36"	48"X48"	48"X48"
	W21-8	A	36"X36"	48"X48"	48"X48"
	W22-1	A	36"X36"	48"X48"	48"X48"
WORK AHEAD	W22-2	A	42"X36"	42"X36"	42"X36"
END WORK ZONE	W22-3	A	42"X36"	42"X36"	42"X36"
SLOW MOVING	W23-1	A	48"X24"	48"X24"	48"X24"
	W23-2	A	36"X36"	48"X48"	48"X48"

SIGN	SIGN DESIGNATION	COLOR CODE	NON-FREEWAY	EXPRESSWAY	FREEWAY
	W20-1	A	36"X36"	48"X48"	48"X48"
	W20-2	A	36"X36"	48"X48"	48"X48"
	W20-3	A	36"X36"	48"X48"	48"X48"
	W20-4	A	36"X36"	48"X48"	48"X48"
	W20-5	A	36"X36"	48"X48"	48"X48"
	W20-5a	A	36"X36"	48"X48"	48"X48"
	W20-7	A	36"X36"	48"X48"	48"X48"

COLOR CODE LEGEND

CODE	DESCRIPTION
A	BLACK LEGEND AND BORDER ON AN ORANGE BACKGROUND
B	BLACK LEGEND AND BORDER ON A WHITE BACKGROUND
C	WHITE LEGEND AND BORDER ON A GREEN BACKGROUND
D	WHITE LEGEND AND BORDER ON A RED BACKGROUND
E	RED LEGEND AND BORDER ON A WHITE BACKGROUND
F	BLACK LEGEND AND BORDER ON A FLUORESCENT YELLOW GREEN BACKGROUND
G	WHITE LEGEND AND BORDER ON A BLUE AND RED BACKGROUND

NOTES:
1. DIMENSIONS ARE SHOWN AS WIDTH X HEIGHT.
2. FOR SIGNAGE NOT SHOWN ON THESE TABLES REFER TO THE M.U.T.C.D.
3. WHEN USED IN CONJUNCTION WITH A BICYCLE SIGN (R11-1) OR PEDESTRIAN CROSSING (W11-2) COLOR CODE SHALL MATCH.

ERRATA 2 EFF. 09/01/25 ISSUED WITH EB 25-016

ERRATA 1 EFF. 09/01/24 ISSUED WITH EB 24-007

NEW YORK STATE OF OPPORTUNITY. Department of Transportation

U.S. CUSTOMARY STANDARD SHEET

WORK ZONE TRAFFIC CONTROL SIGN TABLE (SHEET 2 OF 3)

APPROVED DECEMBER 2, 2021 — Robert Lineagen — ROBERT LINEGER, P.E., DIRECTOR, OTSM

ISSUED UNDER EI 21-028: 619-012

WORK ZONE TRAFFIC CONTROL SIGN TABLE

SIGN	SIGN DESIGNATION	COLOR CODE	NON-FREEWAY	EXPRESSWAY	FREEWAY
	W24-1L W24-1R	A	36"X36"	48"X48"	48"X48"
	W24-1aL W24-1aR	A	36"X36"	48"X48"	48"X48"
	W24-1bL W24-1bR	A	36"X36"	48"X48"	48"X48"

WORK ZONE TRAFFIC CONTROL SIGN TABLE

SIGN	SIGN DESIGNATION	COLOR CODE	NON-FREEWAY	EXPRESSWAY	FREEWAY
XX	W2-1	B	24"X30" OR 30"X36" (SEE NOTE 3)	36"X48"	36"X48"
595	W7W2-2	B	24"X30" OR 30"X36" (SEE NOTE 3)	36"X48"	36"X48"
45	W7W2-3	B	24"X30" OR 30"X36" (SEE NOTE 3)	36"X48"	36"X48"
35	W7W2-4	B	24"X30" OR 30"X36" (SEE NOTE 3)	36"X48"	36"X48"
30	W7W2-5	B	24"X30" OR 30"X36" (SEE NOTE 3)	36"X48"	36"X48"
45	W7W2-6	B	24"X30" OR 30"X36" (SEE NOTE 3)	36"X48"	36"X48"

COLOR CODE LEGEND

CODE	DESCRIPTION
A	BLACK LEGEND AND BORDER ON AN ORANGE BACKGROUND
B	BLACK LEGEND AND BORDER ON A WHITE BACKGROUND
C	WHITE LEGEND AND BORDER ON A GREEN BACKGROUND
D	WHITE LEGEND AND BORDER ON A RED BACKGROUND
E	RED LEGEND AND BORDER ON A WHITE BACKGROUND
F	BLACK LEGEND AND BORDER ON A FLUORESCENT YELLOW GREEN BACKGROUND
G	WHITE LEGEND AND BORDER ON A BLUE AND RED BACKGROUND

NOTES:
1. DIMENSIONS ARE SHOWN AS WIDTH X HEIGHT.
2. FOR SIGNAGE NOT SHOWN ON THESE TABLES REFER TO THE M.U.T.C.D.
3. FOR R2-1 SIGN LARGER DIMENSIONS SHALL BE USED WHEN SIGN FACES MULTIPLE LANES ON A CONVENTIONAL ROAD.

ERRATA 1 EFF. 09/01/24 ISSUED WITH EB 24-007

NEW YORK STATE OF OPPORTUNITY. Department of Transportation

U.S. CUSTOMARY STANDARD SHEET

WORK ZONE TRAFFIC CONTROL SIGN TABLE (SHEET 3 OF 3)

APPROVED DECEMBER 2, 2021 — Robert Lineagen — ROBERT LINEGER, P.E., DIRECTOR, OTSM

ISSUED UNDER EI 21-028: 619-012

TABLE 041-01a PROTECTIVE VEHICLE REQUIREMENTS

CLOSURE TYPE	ROAD TYPE & SPEED	NON-FREEWAY		
	EXPOSURE CONDITIONS (SEE NOTE 1)	≥ 45 MPH	35 - 40 MPH	≤ 30 MPH
LANE CLOSURE OR ENCROACHMENT	WORKERS ON FOOT OR WORK VEHICLE EXPOSED TO TRAFFIC	PVH+TMA	PVL+TMA	PVL
	NO WORKERS ON FOOT NO WORK VEHICLE EXPOSED TO TRAFFIC -OTHER HAZARDS EXPOSED OR EQUIPMENT, MATERIALS			
SHOULDER CLOSURE OR ENCROACHMENT	WORKERS ON FOOT OR WORK VEHICLE EXPOSED TO TRAFFIC	PVH+TMA	PVL+TMA	PVL
	NO WORKERS ON FOOT NO WORK VEHICLE EXPOSED TO TRAFFIC -OTHER HAZARDS EXPOSED OR EQUIPMENT, MATERIALS, EXCAVATIONS			

LEGEND
PVH - PROTECTIVE VEHICLE HEAVY (MINIMUM GROSS WEIGHT 26,000 LBS)
PVL - PROTECTIVE VEHICLE LIGHT (MINIMUM GROSS WEIGHT 10,000 LBS)
TMA - TRUCK/TRAILER MOUNTED IMPACT ATTENUATOR

NOTES:
1. THE EXPOSURE CONDITIONS ASSUME THERE IS NO POSITIVE PROTECTION PRESENT.
2. TRUCK/TRAILER MOUNTED IMPACT ATTENUATORS (TMA'S) SHALL NOT BE MOUNTED/INSTALLED ON VEHICLES WITH A GROSS WEIGHT LESS THAN WHAT IS NORMALLY REQUIRED BY THE MANUFACTURER OF THE TMA'S.
3. THE USE OF A PROTECTIVE VEHICLE LIGHT (PVL) AS A SHADOW VEHICLE IS LIMITED TO NON-FREEWAY FACILITIES WHERE THE POSTED SPEED LIMITS IS ≤ 40 MPH UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER.

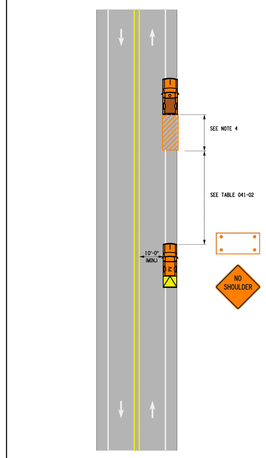
TABLE 041-02a ROLL AHEAD DISTANCE FOR PROTECTIVE VEHICLES

PRECONSTRUCTION POSTED SPEED LIMIT (MPH)	ROLL AHEAD DISTANCE ("La" OF SKIP LINES FOR VEHICLES MOVING OPERATION (15 MPH WALK)	
	PROTECTIVE VEHICLES WEIGHING 9,000 TO 21,999 LBS. GVW	PROTECTIVE VEHICLES WEIGHING 22,000 LBS. OR GREATER GVW
45 - 55	200/5	160/4
≤ 40	120/3	120/3

TABLE 041-03a REQUIRED SIGN SIZES*

SIGN	NON-FREEWAY	FREEWAY
W9-23	36x36	48x48

*FREEWAY SIZES MAY BE USED ON NON-FREEWAY, IF SPACE CONSTRAINTS DO NOT EXIST.



NOTES:
1. THIS TYPICAL APPLIES TO CONTINUOUSLY MOVING OR OPERATIONS STOPPING FOR NO MORE THAN 5 MINUTES.
2. SHOULD THE WORK DURATION EXCEED 5 MINUTES, THE WZTC SETUP SHALL BE RECONFIGURED TO MEET THE REQUIREMENTS OF STANDARD SHEET 619-02c.
3. THIS STANDARD SHEET MAY BE USED FOR OPERATIONS SUCH AS SETTING UP STATIONARY TRAFFIC CONTROL, E.G., PLACING CONES, DRUMS AND SIGNS) AND DEBRIS REMOVAL.
4. WORK AREA SHALL NOT EXCEED 40 FEET IN LENGTH.
5. THE PROTECTIVE VEHICLE SHALL BE PLACED TO OPTIMIZE AND ENHANCE VISIBILITY FROM THE REAR OF THE OPERATION, AND SHALL NOT EXCEED THE APPROPRIATE ROLL AHEAD DISTANCE VALUES.
6. THE PROTECTIVE VEHICLE SHALL STAY AS FAR RIGHT AS POSSIBLE AND SHALL ADJUST ITS SPACING TO ACCOMMODATE CHANGING SIGHT DISTANCE AND OTHER FIELD CONDITIONS.
7. UNLESS THIS SETUP IS BEING USED FOR AN EMERGENCY SITUATION, WORK SHOULD BE SCHEDULED DURING NON-PEAK HOURS.

ARROW PANEL (CAUTION MODE) — NO SHOULDER — W9-23 — PROTECTIVE VEHICLE (SEE NOTE 3 OF PV) SEE TABLE 041-02 — WORK AREA — WORK VEHICLE

NOT TO SCALE

NEW YORK STATE OF OPPORTUNITY. Department of Transportation

U.S. CUSTOMARY STANDARD SHEET

WORK ZONE TRAFFIC CONTROL NON-FREEWAY SHOULDER CLOSURE/LANE ENCROACHMENT STOP AND GO OPERATION

APPROVED DECEMBER 2, 2021 — Robert Lineagen — ROBERT LINEGER, P.E., DIRECTOR, OTSM

ISSUED UNDER EI 21-028: 619-041

ERRATA 1 EFF. 09/01/23 ISSUED WITH EB 23-004

DRIVEWAY OPENING LAYOUT:

THERE ARE TWO RECOMMENDED DRIVEWAY OPENING WIDENING METHODS: (1.) THE RADIUS METHOD, WHICH UTILIZES A CIRCULAR ARC TO WIDEN THE DRIVEWAY, AND (2.) THE TAPER METHOD, WHICH UTILIZES A STRAIGHT TAPER WIDENING OUT AT AN ESTABLISHED FLARE RATE.

THE RADIUS METHOD IS THE TYPICAL METHOD, ALTHOUGH THE TAPER METHOD IS A REASONABLE ALTERNATIVE FOR URBAN AREAS AND OTHER AREAS WHERE IT MIGHT BETTER MATCH THE HIGHWAY CORRIDOR AESTHETICS AND FUNCTIONALITY. SEE TABLE A - "DRIVEWAY ENTRANCE TYPE SELECTION" ON SHEET 2 FOR ADDITIONAL VARIABLES CONCERNING THE SELECTION OF A DRIVEWAY OPENING WIDENING METHOD.

RADIUS METHOD OF LAYOUT:

STEP 1. LOCATE AN OFFSET LINE 11' PARALLEL FROM THE INSIDE EDGE OF THE OUTERMOST TRAVEL LANE.

STEP 2. SCRIBE A LINE PARALLEL TO THE OFFSET LINE, OFFSET "R" FEET (SEE TABLE 6).

STEP 3. SCRIBE A LINE PARALLEL TO THE EDGE OF DRIVEWAY (NEAR SIDE), OFFSET "R" FEET.

STEP 4. FIND THE CENTER POINT OF THE CORNER RADIUS ARC, WHICH IS LOCATED AT THE INTERSECTION OF THE LINES FROM STEPS 2 AND 3.

STEP 5. FROM THE CENTER POINT, SCRIBE AN ARC WITH RADIUS "R", WHICH IS TANGENT TO BOTH THE OFFSET LINE AND THE EDGE OF DRIVEWAY. THE ARC SHOULD INTERSECT THE LINES AT THE DISTANCES "T" LISTED IN TABLE 7, DISTANCES IN TABLE 7 ARE MEASURED FROM THE PROJECTED EDGE OF DRIVEWAY TO THE POINT WHERE THE EDGE OF TRAVEL LANE AND THE PROJECTED EDGE OF DRIVEWAY TO EITHER OF THE ARC TANGENT POINTS (SAME DISTANCE ALONG THE OFFSET LINE ON ALONG THE PROJECTED EDGE OF DRIVEWAY).

STEP 6. FIND THE DRIVEWAY OPENING LIMIT POINT WHICH IS WHERE THE ARC INTERSECTS THE HIGHWAY EDGE OF PAVEMENT.

STEP 7. REPEAT STEPS 1 - 6 FOR THE OTHER SIDE OF THE DRIVEWAY OPENING.

FIELD LAYOUT NOTES:

FOR THE RADIUS METHOD OF LAYOUT, IF OBSTRUCTIONS HINDER THE ABILITY TO LOCATE THE ARC TANGENT POINTS ALONG THE OFFSET LINE, LOCATE THEM ALONG THE ARC BY USING "P" VALUES FROM TABLE 9 THROUGH THE USE OF A VARIOUS DRIVEWAY OFFSETS "Y" IS MEASURED FROM THE PROJECTED EDGE OF DRIVEWAY TO THE ARC).

TAPER METHOD OF LAYOUT:

TAPER METHOD OF LAYOUT IS NOT RECOMMENDED FOR DRIVEWAYS WITH CORNER ANGLES LESS THAN 80° OR GREATER THAN 100°, NOR IS IT RECOMMENDED FOR DRIVEWAYS WITH A SIGNIFICANT VERTICAL CURVE IN THE ROADWAY NEAR THE DRIVEWAY. ALSO, IT CAN BE FIELD VERIFIED THAT THE DRIVEWAY ENTRANCE WIDTH WILL ACCOMMODATE THE VEHICLES THAT USE THE DRIVEWAY ON A REGULAR BASIS.

STEP 1. SCRIBE A LINE (LAYOUT LINE) OFFSET THE APPROPRIATE "LAYOUT DISTANCE" (SEE TABLE 8) FROM THE INSIDE EDGE OF THE OUTERMOST TRAVEL LANE.

STEP 2. LOCATE THE TAPER LAYOUT POINT, WHICH IS AT THE INTERSECTION OF THE EDGE OF DRIVEWAY AND THE LAYOUT LINE.

STEP 3. SCRIBE A 11'-0" TAPER TABLE 8) TAPER FROM THE LAYOUT POINT TO THE EDGE OF PAVEMENT WITH "T" BEING PERPENDICULAR TO THE EDGE OF TRAVEL LANES.

STEP 4. FIND THE DRIVEWAY OPENING LIMIT POINT WHICH IS WHERE THE TAPER INTERSECTS THE EDGE OF PAVEMENT.

STEP 5. REPEAT STEPS 1 - 4 FOR THE OTHER SIDE OF THE DRIVEWAY OPENING.

ALTERNATE TAPER METHOD OF LAYOUT:

FOLLOW THE STEPS AS PER THE ABOVE TAPER LAYOUT METHOD, EXCEPT FOR STEPS 3 AND 4. LOCATE THE DRIVEWAY OPENING LIMIT BY USING THE APPROPRIATE "Y" VALUE FROM EITHER TABLE 13 OR 15 ON SHEET 4. "Y" IS THE DISTANCE BETWEEN THE PROJECTED EDGE OF DRIVEWAY AND THE INTERSECTION POINT OF THE PROJECTED EDGE OF DRIVEWAY AND THE EDGE OF PAVEMENT.

TABLE 6 RADIUS METHOD - CORNER RADIUS

DRIVEWAY CLASSIFICATION	"R"
RESIDENTIAL "R" ≤ 13'	10'
RESIDENTIAL "R" >13'	15'
MINOR COMMERCIAL (ALL WIDTHS)	35'

TABLE 7 RADIUS METHOD - DISTANCE FROM INTERSECTION POINT TO ARC TANGENT POINT

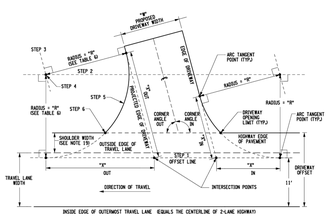
CORNER ANGLE	"T" FT. RESIDENTIAL DRIVEWAY ≤ 13' WIDE (R=10')	RESIDENTIAL DRIVEWAY >13' WIDE (R=15')	MINOR COMMERCIAL DRIVEWAY (R=35')
60°	27.7	22.5	57.2
65°	25.2	20.4	51.8
70°	22.8	18.6	47.1
75°	20.8	16.9	43.0
80°	19.1	15.5	39.3
85°	17.5	14.2	36.0
90°	16.0	13.0	33.0
95°	14.7	11.9	30.2
100°	13.4	10.9	27.7
105°	12.3	10.0	25.3
110°	11.2	9.1	23.1
115°	10.2	8.3	21.0
120°	9.2	7.5	19.0

SEE GENERAL NOTE 15.
"X" REFERS TO EITHER "X_{IN}" OR "X_{OUT}" - THE CORNER ANGLE FOR "X_{IN} + "X_{OUT}" IS EQUAL TO 180°.

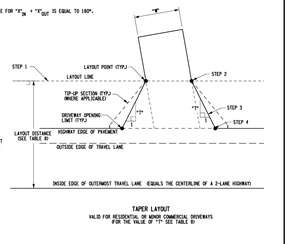
TABLE 8 TAPER METHOD VALUES

DRIVEWAY CLASSIFICATION	TAPER (1':'T')	LAYOUT DISTANCE
RESIDENTIAL	1:2	28'
MINOR COMMERCIAL	1:2½	41'

LAYOUT DISTANCE IS MEASURED FROM THE INSIDE EDGE OF OUTERMOST TRAVEL LANE, TO THE LAYOUT LINE.



RADIUS LAYOUT
VALID FOR RESIDENTIAL OR MINOR COMMERCIAL DRIVEWAYS (FOR THE VALUES OF "R" AND "T" SEE TABLES 6 AND 7, RESPECTIVELY)



TAPER LAYOUT
VALID FOR RESIDENTIAL OR MINOR COMMERCIAL DRIVEWAYS (FOR THE VALUE OF "T" SEE TABLE 8)

NOTE:
ALL GENERAL NOTES AND ABBREVIATIONS REFERENCED ON THIS SHEET CAN BE FOUND ON STANDARD SHEET 608-03, SHEET 1 OF 9.

NEW YORK STATE OF OPPORTUNITY. Department of Transportation

U.S. CUSTOMARY STANDARD SHEET

RESIDENTIAL AND MINOR COMMERCIAL DRIVEWAYS (SHEET 3 OF 9)

APPROVED MARCH 07, 2016 — /S/ RICHARD M. LEE, P.E. — DEPUTY CHIEF ENGINEER DESIGN

ISSUED UNDER EB 16-012: 608-03

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PRELIMINARY/FINAL SITE PLANS for
THE PLACE AT WILLOWBROOK
1407-1451 PITTSFORD VICTOR ROAD
TOWN OF PERINTON — MONROE COUNTY COUNTSTATE OF STATE OF NEW YORK

JOB NO:	1780-26
SCALE:	AS SHOWN
DRAWN:	RLB
DESIGNED:	MPT
DATE:	06/12/2026

DATE	BY	REVISION
07/31/26	RB	DPW COMMENTS
09/10/26	RB	PRELIM COMMENTS

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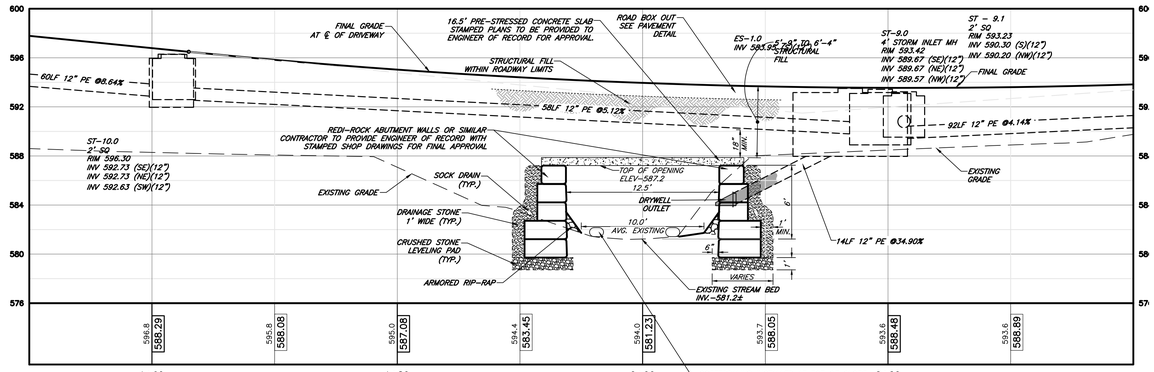
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DRAWING TITLE:
NYSDOT DRIVEWAY DETAILS

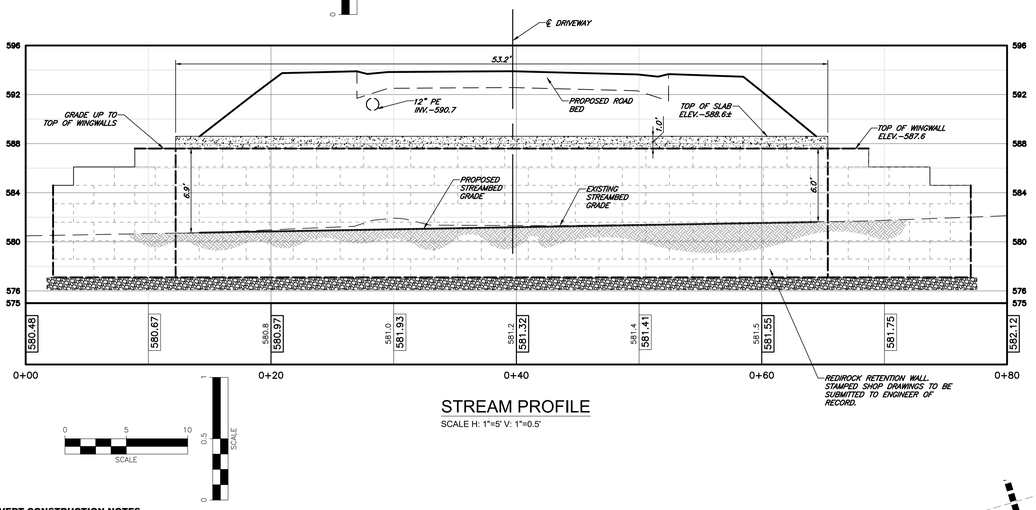
20 of 21 SHEET No:
1780-26 JOB No:
C8.2 DRAWING No:

File: Z:\Engineering\Job Files\1780-24\Drawings_Sheets\1780-26 C8.X DRIVEWAY.dwg, Last saved: 9/10/2026, Plot Date: 9/10/2026, By: RAFAEL BARRETO, Plot Style: MARATHON STANDARD.CTB



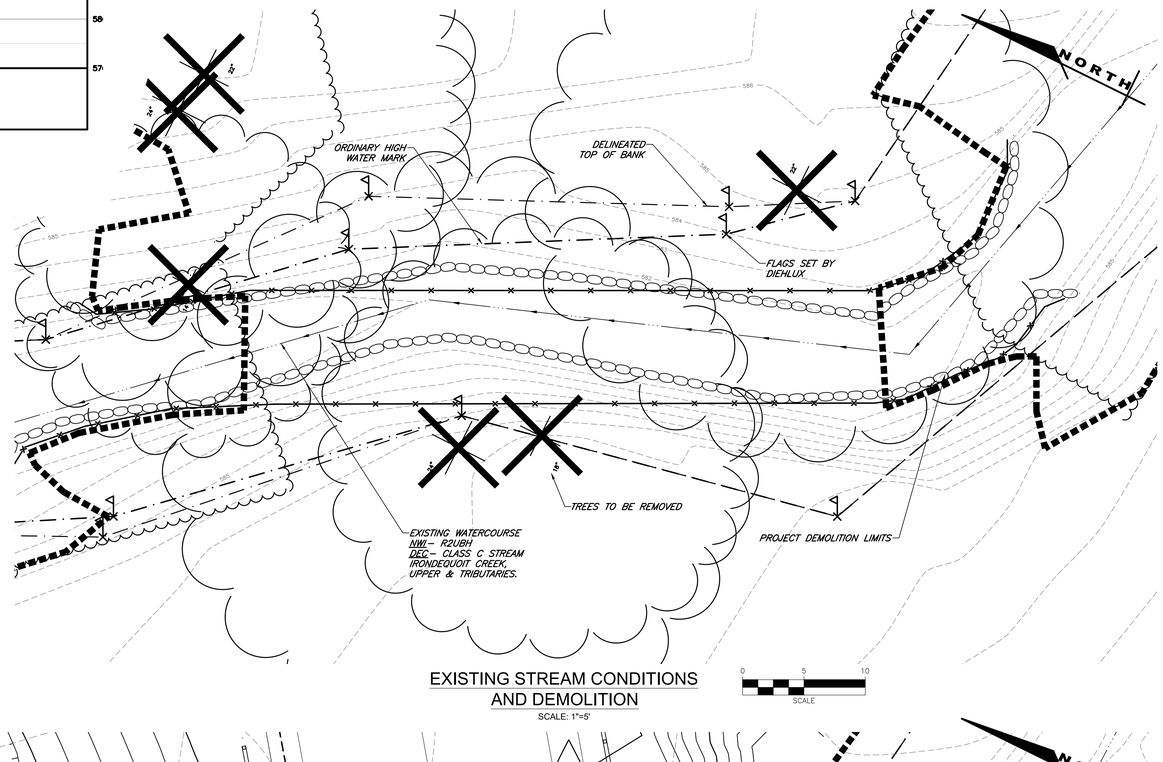
BRIDGE SECTION PROFILE

SCALE H: 1"=5' V: 1"=0.5'



STREAM PROFILE

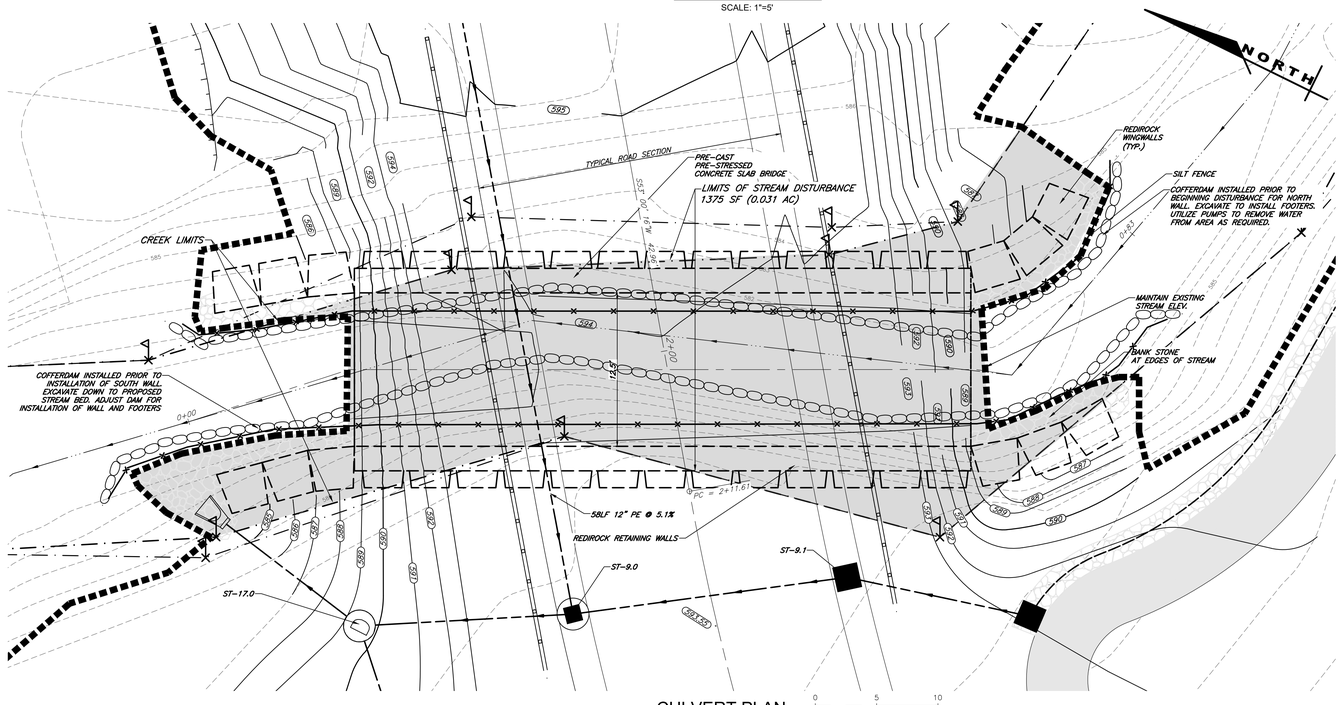
SCALE H: 1"=5' V: 1"=0.5'



EXISTING STREAM CONDITIONS AND DEMOLITION

SCALE: 1"=5'

0 5 10 SCALE



CULVERT PLAN

SCALE: 1"=5'

0 5 10 SCALE

CULVERT CONSTRUCTION NOTES

1. WETLAND DELINEATION AND WATERCOURSE DOCUMENTATION PROVIDED BY DIEHLUX IN A REPORT CREATED FOR MARATHON ENGINEERING DATED JULY 24, 2026.
2. TREE REMOVAL IS TO OCCUR OUTSIDE OF THE ACTIVE BAT SEASON (NOV.1-MAR.31)
3. DISTURBANCE PERMITTED UNDER USACOE NATIONWIDE PERMIT _____ UNDER TRANSMITTAL _____ AND PROVIDED ON _____.

STREAM CROSSING CONSTRUCTION SEQUENCE

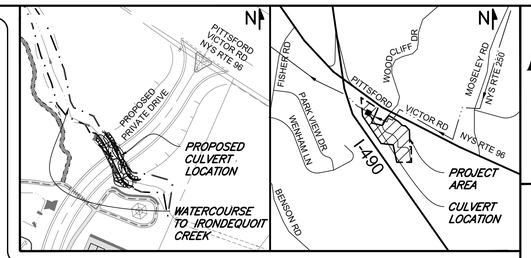
- INSTALL COFFERDAMS AND SILT FENCE AT EXISTING BOTTOM OF SLOPE OF EXISTING STREAM ON BOTH SIDES OF STREAM FOR LENGTH OF DISTURBANCE.
- EXCAVATE SOIL TO FORM PROPOSED STREAM BED AND EXCAVATE FOR SOUTHERN FOOTER INSTALLATION.
- BOTTOM OF NEW STREAM BED TO BE STABILIZED WITH RIP RAP.
- IF WATER INFILTRATES FOOTER EXCAVATIONS, DEWATER USING SUMP PIT PER NYSDEC STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL FIGURE 5A.39.
- SET PRECAST FOOTERS AS INSTRUCTED BY MANUFACTURER.
- INSTALL RIP RAP AT STREAM EDGE AND AT EACH END OF THE RETAINING WALL. ALL DISTURBED AREAS ARE TO BE STABILIZED AND SEEDED. SLOPES GREATER THAN 1:3 MUST USE SLOPE STABILIZATION FABRIC.
- REMOVE SUMP PIT IF INSTALLED.
- REMOVE SOUTHERN COFFERDAMS.
- EXCAVATE NORTH SECTION OF BRIDGE FOOTERS AND STREAMBED, INSTALL AS PREVIOUSLY STATED.
- INSTALL ALL BRIDGE PRECAST SECTIONS WITHOUT DISTURBING WITHIN EXISTING OR PROPOSED STREAM AREA.
- FILL IS TO BE ADDED AND COMPACTED IN 6" LIFTS. ALL DISTURBED AREAS ARE TO BE STABILIZED AND SEEDED. SLOPE STABILIZATION FABRIC IS REQUIRED ON ALL SLOPES 1:3 OR GREATER.

DISTURBANCES WITHIN STREAM LIMITS		
TOP OF BANK	AREA (SF)	VOLUME (CF)
TEMPORARY	0	0
PERMANENT	196	823
ORDINARY HIGH WATER MARK	AREA (SF)	VOLUME (CF)
TEMPORARY	0	0
PERMANENT	1375	2383

LEGEND:

- 1+00 ℄ 2+00 — CENTERLINE AND STATIONING
- ADJACENT PROPERTY LINE
- PROJECT PROPERTY LINE
- STORM SEWER, MANHOLE & FIELD/DROP INLET
- CENTERLINE OF SWALE
- GRADING LIMITS
- WETLANDS
- FLOODPLAIN
- 525 — EXISTING CONTOUR
- 560 — PROPOSED MAJOR CONTOUR
- 559 — PROPOSED MINOR CONTOUR
- DRAINAGE FLOW ARROW
- 525.08 — EXISTING SPOT ELEVATION
- 529.2 — PROPOSED SPOT ELEVATION
- EXISTING POWER POLE
- EXISTING TREE LINE
- TREE LINE / CLEARING LIMITS

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COMMISSIONER OF PUBLIC WORKS DATE:
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TOWN ENGINEER DATE:



TOWN OF PERINTON

LOCATION MAP

NOT TO SCALE

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PRELIMINARY/FINAL SITE PLANS
for
THE PLACE AT WILLOWBROOK

1407-1451 PITTSFORD VICTOR ROAD
MONROE COUNTY COUNTYSTATE OF STATE OF NEW YORK
TOWN OF PERINTON

JOB NO:	1780-26
SCALE:	AS SHOWN
DRAWN:	RLB
DESIGNED:	MPT
DATE:	06/12/2026

DATE	BY	REVISION
07/31/26	RB	DPW COMMENTS
09/10/26	RB	PRELIM COMMENTS

IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW ARTICLE 145, SECTION 7209 FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE SEAL OF A PROFESSIONAL ENGINEER OR LAND SURVEYOR IS ALTERED, THE ALTERING ENGINEER OR LAND SURVEYOR SHALL AFFIX TO THE ITEM HIS SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

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STATE OF NEW YORK — COLE M. PAPASERGI — 110080 — LICENSED PROFESSIONAL ENGINEER

COLE M. PAPASERGI

DRAWING TITLE:
CULVERT PLAN

21 of 21 SHEET No:	C9.0
1780-26 JOB No:	DRAWING No:

File: Z:\Engineering\Job Files\1780-24\Drawings_Sheets\1780-26 C9.0 CULVERT.dwg, Last saved: 9/10/2026, Plot Date: 9/10/2026, By: RAFAEL BARRETO, Plot Style: MARATHON STANDARD.CTB