

SITE DEVELOPMENT PLANS FOR **PG DRYDEN, LLC** **1061 DRYDEN ROAD / NYS RT. 366**

SITUATED IN:
TOWN OF DRYDEN - TOMPKINS COUNTY - NEW YORK

PROJECT CONTACTS:

APPLICANT:
TIM CRILLY
PG DRYDEN, LLC
46 PRINCE STREET
ROCHESTER, NY 14607
(585) 481-6091

ARCHITECT:
JAMES FAHY DESIGN
2024 WEST HENRIETTA ROAD
ROCHESTER, NY 14623
(585) 272-1650

SANITARY SEWER:
RICK YOUNG
TOWN OF DRYDEN DEPARTMENT
OF PUBLIC WORKS
61 EAST MAIN STREET
DRYDEN, NY 13053
(607) 844-5188

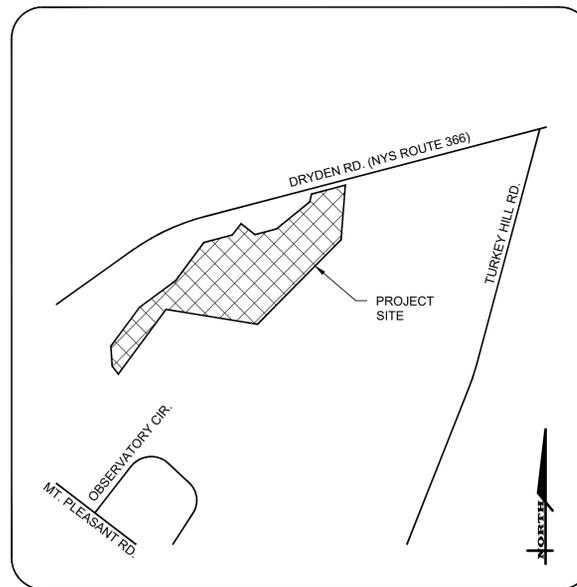
ELECTRIC:
NEW YORK STATE ELECTRIC & GAS
18 LINK DRIVE
BINGHAMTON, NY 13904
(607) 343-5283

SURVEYOR:
LEE DRESSER, L.S.
TG MILLER, PC
605 W STATE STREET SUITE A
ITHACA, NY 14850
(607) 272-6477

CIVIL ENGINEER:
ADAM M. FISHEL, PE
MARATHON ENGINEERING
840 HANSHAW ROAD, SUITE 12
ITHACA, NY 14850
(607) 241-2917

WATER:
BOLTON POINT WATER SYSTEM
STEVE RIDDLE
1402 EAST SHORE DRIVE
ITHACA, NY 14850
(607) 277-0660

GAS:
NEW YORK STATE ELECTRIC & GAS
18 LINK DRIVE
BINGHAMTON, NY 13904
(607) 343-5283



LOCATION MAP
N.T.S.



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

DESIGNER CONTACT STATEMENT:
MARATHON ENGINEERING IS RESPONSIBLE FOR THE DESIGN OF THIS PROJECT. ADAM M. FISHEL, PE IS THE DESIGNER AND IS FAMILIAR WITH THE NYS DOT STANDARDS AND REQUIREMENTS AND SHALL BE CONTACTED AT (607) 241-2917 TO RESOLVE ISSUES OR PROBLEMS DURING CONSTRUCTION. ALL REVISIONS, INCLUDING REVISIONS NECESSARY DUE TO FIELD CONDITIONS, SHALL BE APPROVED BY THE NYS DOT.

COPYRIGHT © 2023
MARATHON ENGINEERING
OF ROCHESTER, P.C.

LEGEND:

EXISTING	PROPOSED	DESCRIPTION
		SIGN
		LIGHT POLE
		POWER POLE
		GAS MAIN & VALVE
		ELECTRIC CONDUIT & STRUCTURE
		TELEPHONE CONDUIT & STRUCTURE
		CENTERLINE AND STATIONING
		RIGHT-OF-WAY OR PROPERTY LINE
		CURB
		FENCE (DESCRIPTION)
		SANITARY SEWER WITH MANHOLE
		STORM SEWER, MANHOLE & FIELD/DROP INLET
		WATER MAIN WITH HYDRANT & GATE VALVE
		CENTERLINE OF SWALE
		CONTOUR
		DRAINAGE FLOW ARROW
		SPOT ELEVATION
		TREE LINE
		TREE PROTECTION
		PARKING SPACE COUNT

ABBREVIATIONS

ABBR.	TERM	ABBR.	TERM
ACR.	ACRE	LS	LUMP SUM
A.O.B.E.	AS ORDERED BY ENGINEER	LI	LEFT
ASPH.	ASPHALT	MB	MAILBOX
AZ.	AZIMUTH	M.O.	MIDDLE ORDINATE
B	BASELINE	MON.	MONUMENT OR MONTH
BM	BENCHMARK	MCS	MONROE COUNTY SURVEY
C	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
CSP	CORRUGATED POLYETHYLENE PIPE	N.F.	NOW OR FORMERLY
CSPT	CORRUGATED STEEL PIPE	PAV.T.	PAVEMENT
COV.	COVER	PE	POLYETHYLENE PIPE
CB	CURB BOX	RPE	REINFORCED POLYETHYLENE PIPE
CY	CUBIC YARD	PC	POINT OF CURVATURE
D	DIAMETER OF CURVE	PI	POINT OF INTERSECTION
DA	DIAMETER	PT	POINT OF TANGENCY
DI	DROP INLET	PVC	POINT OF VERTICAL CURVATURE
D.I.P.	DUCTILE IRON PIPE	PVI	POINT OF VERTICAL INTERSECTION
E.A.	EACH	PVT	POINT OF VERTICAL TANGENCY
ELEV.	ELEVATION	PP	POWER POLE
EP	EDGE OF PAVEMENT	PL	PROPERTY LINE
EP	FINISH FLOOR = FINISH FLOOR ELEVATION	R	RADIUS
FI	FIELD INLET	RCP	REINFORCED CONCRETE PIPE
FR	FRAM	RG&E	ROCHESTER GAS AND ELECTRIC
FP	FINISH PAD = GARAGE FLOOR ELEVATION	R.O.W.	RIGHT-OF-WAY
FT	FEET	R	RIGHT
G	GAS MAIN	RTC	ROCHESTER TELEPHONE COMPANY
GAL	GALLON	SA	SANITARY SEWER
GR	GRAVEL	ST	STATION
G.R.	GRADE RAIL	STY.	STATION
HCL	HORIZONTAL CONTROL LINE	SY	SQUARE YARD
HYD.	HYDRANT	T	TANGENT DISTANCE
INV.	INVERT	TGL	THEORETICAL GRADE LINE
IP	IRON PIPE OR IRON PIN	TYE	TYPICAL
L	LENGTH OR LENGTH OF CURVE	VC	VERTICAL CURVE
LF	LINEAR FEET	V.P.	VERTICAL PIPE
LP	LIGHT POST (PRIVATE)	VA	VALVE
		α	CENTRAL ANGLE

LIST OF DRAWINGS

DWG	TITLE
----	COVER SHEET
----	BOUNDARY & TOPOGRAPHIC MAP
C1.0	NOTES SHEET
C2.0	SITE PLAN (1 OF 2)
C2.1	SITE PLAN (2 OF 2)
C3.0	GRADING, DRAINAGE AND EROSION CONTROL PLAN (1 OF 2)
C3.1	GRADING, DRAINAGE AND EROSION CONTROL PLAN (2 OF 2)
C4.0	UTILITY PLAN (1 OF 2)
C4.1	UTILITY PLAN (2 OF 2)
C5.0	LIGHTING AND LANDSCAPING PLAN
C6.0	DETAIL SHEET (1 OF 6)
C6.1	DETAIL SHEET (2 OF 6)
C6.2	DETAIL SHEET (3 OF 6)
C6.3	DETAIL SHEET (4 OF 6)
C6.4	DETAIL SHEET (5 OF 6)
C6.5	DETAIL SHEET (6 OF 6)
C7.0	DRIVEWAY PLAN (1 OF 3)
C7.1	DRIVEWAY PLAN (2 OF 3)
C7.2	DRIVEWAY PLAN (2 OF 3)
C8.0	TRUCK TURN PLAN

OWNER/ APPLICANT:

PG DRYDEN, LLC
46 PRINCE STREET
ROCHESTER, NY 14607

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

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

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

NOTES:

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

EROSION CONTROL

- 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.
- CONTRACTOR RESPONSIBILITY** - ALL CONTRACTORS AND SUB-CONTRACTORS SHALL CERTIFY WITHIN THE SWPPP THAT THEY WILL IMPLEMENT AND MAINTAIN STORM WATER MANAGEMENT PRACTICES.
- 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.
- NOTIFICATION** - AS DESIGN ENGINEER, OUR OFFICE HAS NOTIFIED THE OWNER OF THE INSPECTION REQUIREMENTS UNDER GP-0-20-002. 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-0-20-001. THE REGULATIONS REQUIRE THAT A LICENSED PROFESSIONAL COMPLETE A WEEKLY INSPECTION (THROUGHOUT THE PERIOD OF LAND DISTURBANCE).
- PRE-CONSTRUCTION** - THE APPROPRIATE EROSION CONTROL MEASURES AS DEFINED BY THE CONSTRUCTION DOCUMENTS SHALL BE INSTALLED PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITIES. A PRE-CONSTRUCTION MEETING WITH THE TOWN OF DRYDEN SHALL OCCUR PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITIES.
- TOPSOIL** - UPON COMPLETION OF THE STOCKPILE STRIPPING OPERATION, STOCKPILES SHALL BE STABILIZED IN ACCORDANCE TO NYSDEC REGULATIONS.
- 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.
- 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.
- 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 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.
- 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.
- 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.
- 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.
- 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 D AND SHALL BE RESTORED AS SPECIFIED.
- SEQUENCE** - THE CONTRACTOR SHALL INSTALL EROSION CONTROL MEASURES IN THE FOLLOWING SEQUENCE UNLESS AUTHORIZED OTHERWISE AT PRE-CONSTRUCTION MEETING.
 - INSTALL PERIMETER SEDIMENT CONTROLS, I.E. EROSION FENCING.
 - INSTALL STABILIZED CONSTRUCTION ENTRANCE.
 - PROTECT VEGETATION TO REMAIN.
 - CLEAR/GRUB AND CONSTRUCT DIVERSIONARY SWALES, AND SEDIMENT BASINS.
 - COMPLETE CLEARING AND GRUBBING OPERATION.
 - PLACE EROSION CONTROL MEASURES AT TOPSOIL STOCKPILES AND STRIP TOPSOIL.
 - CONSTRUCT SWALES AND SILTATION DEVICES AS EARTHWORK OPERATIONS PROGRESS.
 - MAINTAIN EROSION CONTROL MEASURES AND PLACE ADDITIONAL MEASURES AS EARTHWORK AND UNDERGROUND UTILITIES ARE CONSTRUCTED.
 - RESTORE AREAS AS DEFINED BY CONTRACT DOCUMENTS.
 - REMOVE EROSION CONTROL MEASURES AS AREAS ARE REESTABLISHED WITH GROUND COVER.

UTILITIES

1. STORM

- 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.
- 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 0.13 OR BETTER:
 - REINFORCED CONCRETE PIPE (RCP), CLASS III
 - HIGH DENSITY CORRUGATED POLYETHYLENE PIPE (PE), AASHTO M-294, TYPE S, ASTM D-3350.
- ROOF DRAINAGE** - ALL ROOF DRAINAGE SHALL BE COLLECTED AND PIPED TO THE STORM SEWER SYSTEM UNLESS SPECIFIED OTHERWISE.
- 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.

RESTORATION AND LANDSCAPING

- 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.
- TOPSOIL** - PLACE A MINIMUM OF 4 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.
- SEED** - LAWN AREAS SHALL BE HYDROSEED 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.
- 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.
- 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.
- 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.

LIGHTING NOTES

- ALL LUMINAIRES TO BE AS SPECIFIED IN THE LUMINAIRE SCHEDULE ON THIS PLAN.
- LIGHTING CONTOURS GENERATED USING LITEPRO SOFTWARE, VERSION 2.013 AS PROVIDED BY COLUMBIA LIGHTING, INC. AND MICROWARE CONCEPTS. LIGHTING CONTOURS REPRESENT THE ADDITIVE EFFECT OF LIGHTING FIXTURES.
- LIGHTING CALCULATIONS ARE PERFORMED IN ACCORDANCE WITH IESNA PROCEDURES.
- LIGHTING CONTRACTOR SHALL PROVIDE SHIELDS RESULTING IN ZERO LIGHT SPILLAGE TO ADJACENT PROPERTIES.
- REFER TO ARCH. PLANS FOR ROUTING OF SITE ELECTRICAL.

**TOWN OF DRYDEN
MATERIAL AND PERFORMANCE STANDARDS
FOR WATER SYSTEM EXTENSIONS**

- Water pipe - C1 52 Ductile Iron double cement lined (in accordance with AWWA C151 and AWWA C104).
- Fittings - Ductile Iron double cement lined (in accordance with AWWA C151 and AWWA C104).
- Services - Type K copper tubing (min. size determined by the design professional).
- Corp stop and curb stops - Brass body ball type.
- Valves - Resilient seat gate with stainless steel bonnet bolts (in accordance with AWWA C509).
- Hydrants - Dry barrel (5 1/4") break top type with 6" MJ connection, guard valve, anchoring tee, one 4 1/2" nozzle (NST) and two 2 1/2" nozzles (NST) in accordance with AWWA C502.
- Bedding - not required for mains in earth when at least 6" of earth exists beneath the bottom of the main (in rock it is to be bedded a minimum of 8" on all sides).
- Pipe bedding (mains) - # 1 stone, # 2 stone or a mix of #1 and #2 stone a minimum of 8" on all sides. 1a stone bedding will not be allowed.
- Refer to the Bolton Point Rules and Regulations for further information on testing and installation.
- Backfill - Select earth (native material 6" and smaller in size and within 2% of optimum moisture content) to 2' below asphalt subgrade within the ditchlines of an existing or proposed Town road and to the surface in other areas. The top 2' below the asphalt subgrade within the ditchlines of an existing or proposed Town road shall be Item 4 Base material as outlined in the Town Road Specifications.
- Placement and compaction of backfill - 8" lifts compacted to 95% of maximum density ASTM 698 between the ditch lines.
- Surface restoration of existing Town roads - 2.5" of Type 3-asphalt binder and 1.5" of Type 7 asphalt top.
- Work within a County or State ROW will be governed by the respective standards.

**TOWN OF DRYDEN
MATERIAL AND PERFORMANCE STANDARDS
FOR SANITARY SEWER SYSTEM EXTENSIONS**

- Sewer pipe - SDR 35 PVC bedded a minimum of 8" on all sides.
- Pipe size - Main 8" (min.), Laterals 4" (min).
- Depth of cover - Mains 6' min. (except 4' in areas without conflict with water mains or services), Laterals 3' min.
- Pipe bedding - # 1 stone, # 2 stone or a mix of #1 and #2 stone. 1a stone bedding will not be allowed.
- Lateral connections to existing sewer - Romac Industries Style CB sewer saddle, 4" SDR 35 PVC extended to the edge of the road Right-of-Way (ROW), cap end.
- Lateral connections to new sewer - SDR 35 PVC sanitary tee, extended to the edge of the road ROW, cap end.
- Clean outs - Shall be provided at the edge of the ROW when the homes are connected to the sewer.
- Manholes - precast concrete 4' diameter (5' for 3 way or interior drop) in accordance with ASTM C478 coated inside and out (including gouted joints, benchwork, and flow channel) with 2 coats of coal tar-epoxy coating.
- Benchwork and flow channel - cast-in-place concrete.
- Flow channel walls are to be vertical from the springline of the pipe to the top of the pipe and the benchwork slope at 1/2" per foot from that point to the wall of the manhole.
- Frame and cover - Syracuse Castings Pattern 1009 with Flow Seal Cover (Sanitary Sewer cast into the cover in 2" letters).
- Manhole steps - Copolymer polypropylene encapsulated steel in accordance with ASTM C478, 12" on center.
- Testing - Sewer mains including laterals to the edge of the ROW shall be air tested.
- Backfill - Select earth (native material 6" and smaller in size and within 2% of optimum moisture content) to 2' below asphalt subgrade within the ditchlines of an existing or proposed Town road and to the surface in other areas. The top 2' below the asphalt subgrade within the ditchlines of an existing or proposed Town road shall be Item 4 Base material as outlined in the Town Road Specifications.
- Placement and compaction of backfill - 8" lifts compacted to 95% of maximum density ASTM 698 between the ditch lines.
- Surface restoration of existing Town roads - 2.5" of Type 3-asphalt binder and 1.5" of Type 7 asphalt top.
- Work within a County or State ROW will be governed by the respective standards.
- Accurately record actual location of pipe runs, fittings, manholes, termination of laterals, couplings, lateral connections to the main, and invert elevations.

GENERAL

- 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.
- 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.
- 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.
- 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.
- ACCESS** - THE CONTRACTOR SHALL PROVIDE SATISFACTORY VEHICULAR ACCESS TO ALL ADJOINING PROPERTIES, PRIVATE ROADWAYS, PARKING FACILITIES, AND PUBLIC STREETS DURING CONSTRUCTION.
- SITE SAFETY** - PRIOR TO AND THROUGHOUT CONSTRUCTION, THE CONTRACTOR SHALL POST SIGNAGE IN CONFORMANCE WITH THE REQUIREMENTS OF THE LOCAL MUNICIPALITY AND OCCUPATIONAL HEALTH AND SAFETY ACT (OCHA). JOB SAFETY AND MAINTENANCE AND PROTECTION OF TRAFFIC IS THE RESPONSIBILITY OF THE CONTRACTOR.
- EXCAVATIONS** - ALL EXCAVATIONS SHALL BE BACKFILLED/BARRICADED TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE AT THE CONCLUSION OF EACH WORKING DAY.
- MAINTENANCE** - PUBLIC STREETS, PRIVATE DRIVES AND PARKING FACILITIES SHALL BE KEPT FREE OF FOREIGN MATERIALS. ALL AREAS SHALL BE SWEEP CLEAN AT THE END OF EACH WORKING DAY AND/OR AS DIRECTED BY THE OWNER'S ON-SITE REPRESENTATIVE.
- 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.
- 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.
- 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.
- 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

- STAKEOUT** - THE CONSTRUCTION STAKEOUT SHALL BE PERFORMED BY A LICENSED LAND SURVEYOR USING CONTROL PROVIDED ON THE "LAYOUT PLAN". THE BUILDING FOOTPRINT(S), DATED 12/23/22, WERE PROVIDED BY HOLT ARCHITECTURE. DISCREPANCIES WITH BUILDINGS(S), CONTROL POINTS, AND/OR THE DIMENSIONS SHALL BE REPORTED TO THE DESIGN ENGINEER (PRIOR TO THE INSTALLATION OF IMPROVEMENTS) FOR COORDINATION AND CLARIFICATION.
- BOUNDARY** - BOUNDARY INFORMATION WAS TAKEN FROM BOUNDARY AND TOPOGRAPHIC MAP PREPARED BY TG MILLER ENGINEERS AND SURVEYORS DATED 10/21/2015 AND IS SHOWN FOR GRAPHICAL REPRESENTATION ONLY.
- LAYOUT** - DIMENSIONS SHOWN, WHERE APPLICABLE, SHALL BE FROM THE FACE OF CURB UNLESS SPECIFICALLY CALLED OUT OTHERWISE.
- 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.
- COORDINATION** - THE CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITY WORK WITH OTHER SITE UTILITIES (I.E. GAS, ELECTRIC, LIGHTING, COMMUNICATIONS) TO AVOID POTENTIAL INSTALLATION CONFLICTS.
- 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.
- 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.

EARTHWORK

- 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.
- 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 THE SPECIFIED MINIMUM COMPACTION VALUES FOR EMBANKMENT/FILL AREAS. THE TERMS "FILL" AND "EMBANKMENT" ARE INTERCHANGEABLE.
 - CUTS** - ONCE EXCAVATIONS ARE SHAPED TO THE DESIGN GRADES THE AREAS SHALL BE PROTECTED TO ASSURE THAT THE INTEGRITY OF MATERIAL IS NOT COMPROMISED BY CONSTRUCTION VEHICLES AND/OR IMPROPER DRAINAGE. AREAS DETERMINED BY CONTRACTOR TO BE NOT SUITABLE FOR SUBGRADE PLACEMENT SHALL BE IMMEDIATELY REPORTED WHEN THE SUBGRADE IS ESTABLISHED TO OWNER'S REPRESENTATIVE. STABILIZATION MEASURES FOR CUT AREAS MAY BE CONSIDERED BY OWNER'S REPRESENTATIVE AS A CHANGE TO THE BASE CONTRACT.
- TESTING** - THE FOLLOWING MAXIMUM DRY DENSITIES SHALL BE ACHIEVED AS MEASURED BY THE MODIFIED PROCTOR METHOD ASTM D-1557:
 - 95% UNDER PAVEMENTS, WALKS, AND IN STRUCTURAL FILL AREAS
 - 85% IN REMAINING AREAS
 THE AGREEMENT BETWEEN THE OWNER AND CONTRACTOR SHALL DEFINE THE NUMBER OF TESTS AND RESPONSIBILITY. WE RECOMMEND IN EMBANKMENT AREAS ONE PER LIFT AND/OR ONE PER 1,000 CUBIC YARDS.
- 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.
- 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.

SEED & MULCH

SEED MIX SHALL BE TOWN & COUNTRY SEED MIX AS MANUFACTURED BY CROSSMAN SEED CORPORATION. SEED MIX SHALL CONSIST OF:
 30% CREEPING RED FESCUE
 20% GATOR 3 PERENNIAL RYEGRASS
 20% ALL STAR 3 PERENNIAL RYEGRASS
 20% KEYSTONE 2 PERENNIAL RYEGRASS
 10% KENTUCKY BLUEGRASS 98 / 85
 SEEDING RATE SHALL BE 6LBS / 1000 S.F. OF PURE LIVE SEED.
 MULCH: SHALL BE STRAW APPLIED AT 2 TONS/ACRE



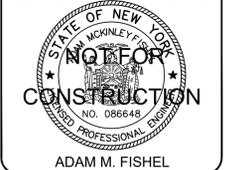
STATE DEVELOPMENT PLANS for
EVERGREEN APARTMENTS / PG DRYDEN, LLC
 1061 DRYDEN ROAD (NYS ROUTE 366)
 TOMPKINS COUNTY STATE OF NEW YORK
 TOWN OF DRYDEN

JOB NO:	1495-22
SCALE:	1"=30'
DRAWN:	RLJ
DESIGNED:	AMF
DATE:	8/30/23

REVISIONS		
DATE	BY	REVISION
9/21/23	AF	TOWN SUBMITTAL
10/11/23	AF	TOWN SUBMITTAL

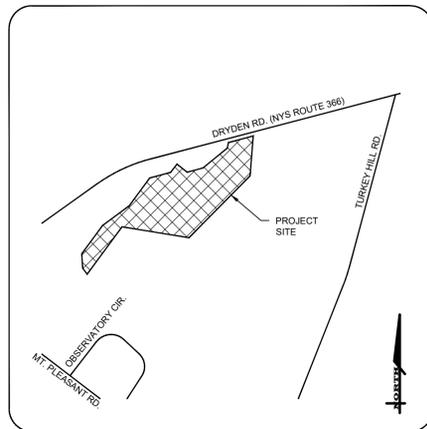
THIS IS A SEAL OF THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION. IT IS THE PROPERTY OF THE STATE OF NEW YORK. IT IS TO BE USED ONLY BY THE LICENSEE WHOSE NAME IS ON THE SEAL. IT IS TO BE KEPT IN GOOD CONDITION AND NOT TO BE REPRODUCED OR COPIED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF THE STATE OF NEW YORK. ANY REPRODUCTION OR COPIING OF THIS SEAL WITHOUT THE WRITTEN PERMISSION OF THE STATE OF NEW YORK IS A VIOLATION OF THE ENVIRONMENTAL CONSERVATION LAW AND IS SUBJECT TO PENALTIES AS PROVIDED BY THE ENVIRONMENTAL CONSERVATION LAW.

COPYRIGHT © 2023 MARATHON ENG.



DRAWING TITLE: Notes Sheet	
1 of 18 SHEET No:	C-1.0
1495-22 JOB No:	DRAWING No:

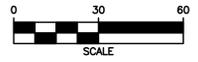
File: I:\Engineering\Job Files\1495-22\Drawings\Sheets\C-2.1 Site Plan (2 of 2).dwg, Last saved: 10/10/2023, Plot Date: 10/11/2023, Plot Style: MARATHON STANDARD.CTB



LOCATION MAP
N.T.S.

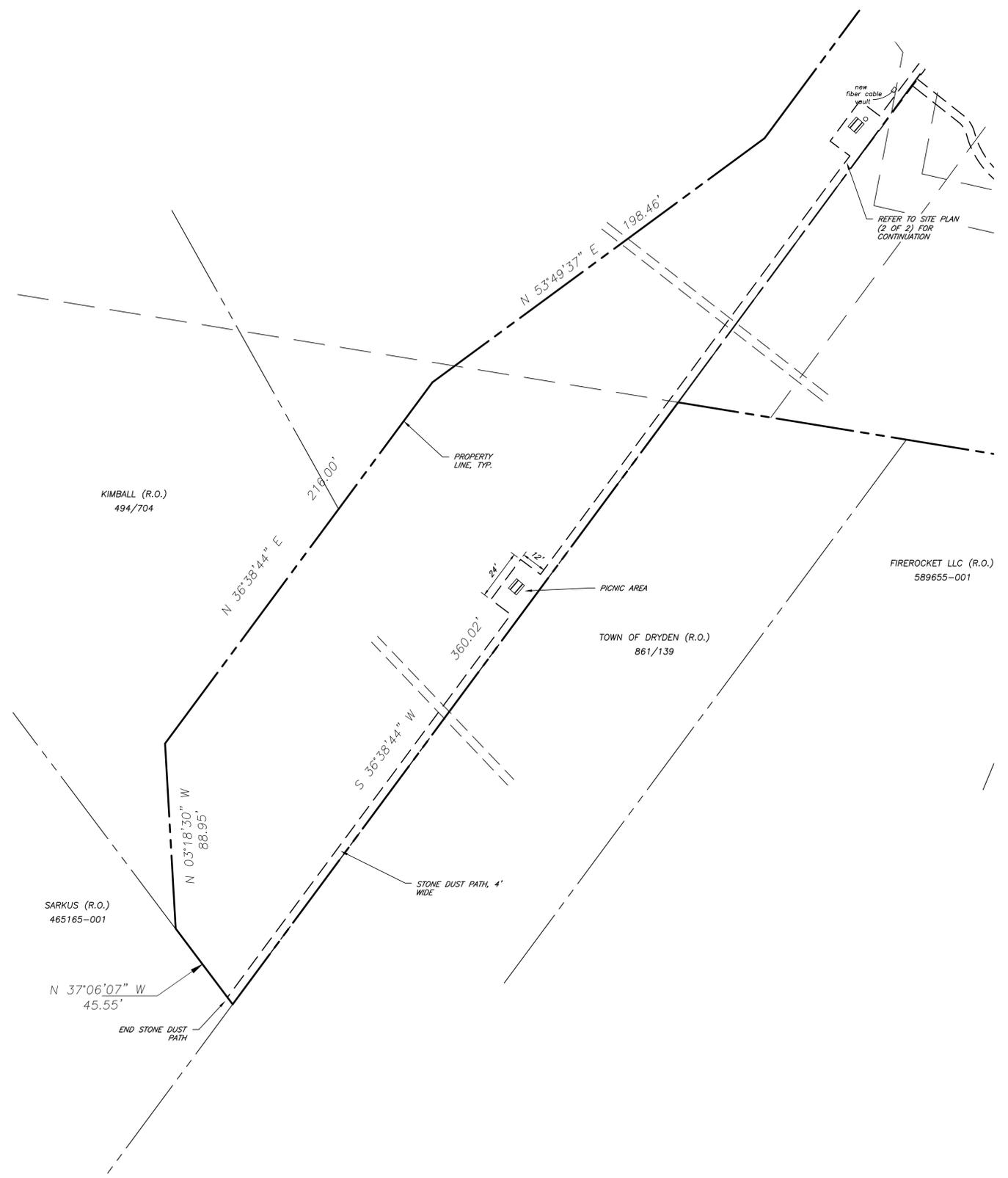


MERIDIAN OF SURVEY MAP LANDS OF WAYNE & HEIDI WOODWARD... DATED 11/9/2013 BY MICHAEL J. REAGAN



NOTES

1. REFER TO NOTE SHEET, C-1.0 FOR SITE RELATED NOTES.



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

SITE DEVELOPMENT PLANS
 for
EVERGREEN APARTMENTS / PG DRYDEN, LLC
 1061 DRYDEN ROAD (NYS ROUTE 366)
 TOMPKINS COUNTY STATE OF NEW YORK
 TOWN OF DRYDEN

JOB NO: 1495-22
 SCALE: 1"=30'
 DRAWN: RLJ
 DESIGNED: AMF
 DATE: 8/30/23

REVISIONS		
DATE	BY	REVISION
9/21/23	AF	TOWN SUBMITTAL
10/11/23	AF	TOWN SUBMITTAL

I, ADAM M. FISHEL, A PROFESSIONAL ENGINEER IN THE STATE OF NEW YORK, HEREBY CERTIFY THAT I AM THE DESIGNER OF THE ABOVE DESCRIBED PROJECT AND THAT I AM A MEMBER IN GOOD STANDING OF THE PROFESSIONAL ENGINEERS AND SURVEYORS OF THE STATE OF NEW YORK. I AM NOT PROVIDING THE SERVICES OF A PROFESSIONAL ENGINEER OR LAND SURVEYOR IF AN OTHER ENGINEER OR LAND SURVEYOR IS USED. THE DESIGN ENGINEER OR LAND SURVEYOR SHALL BE RESPONSIBLE TO THE JOB OWNER AND THE NATION. THESE SERVICES SHALL BE VALIDATED BY THE SIGNATURE AND THE DATE OF EACH INDIVIDUAL AND A SEPARATE LICENSE NUMBER SHALL BE PROVIDED.

COPYRIGHT © 2023 MARATHON ENG.

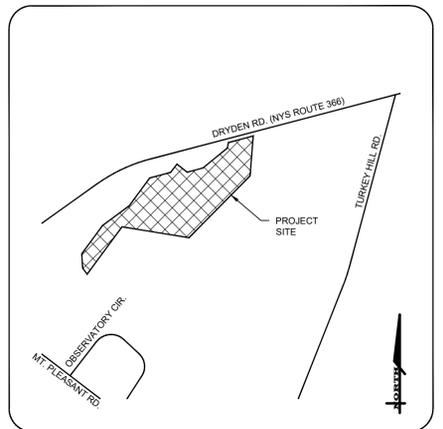
ADAM M. FISHEL

DRAWING TITLE:
 Site Plan (2 of 2)

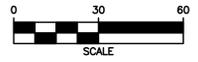
3 of 18
 SHEET No: **C-2.1**

1495-22
 JOB No: DRAWING No:

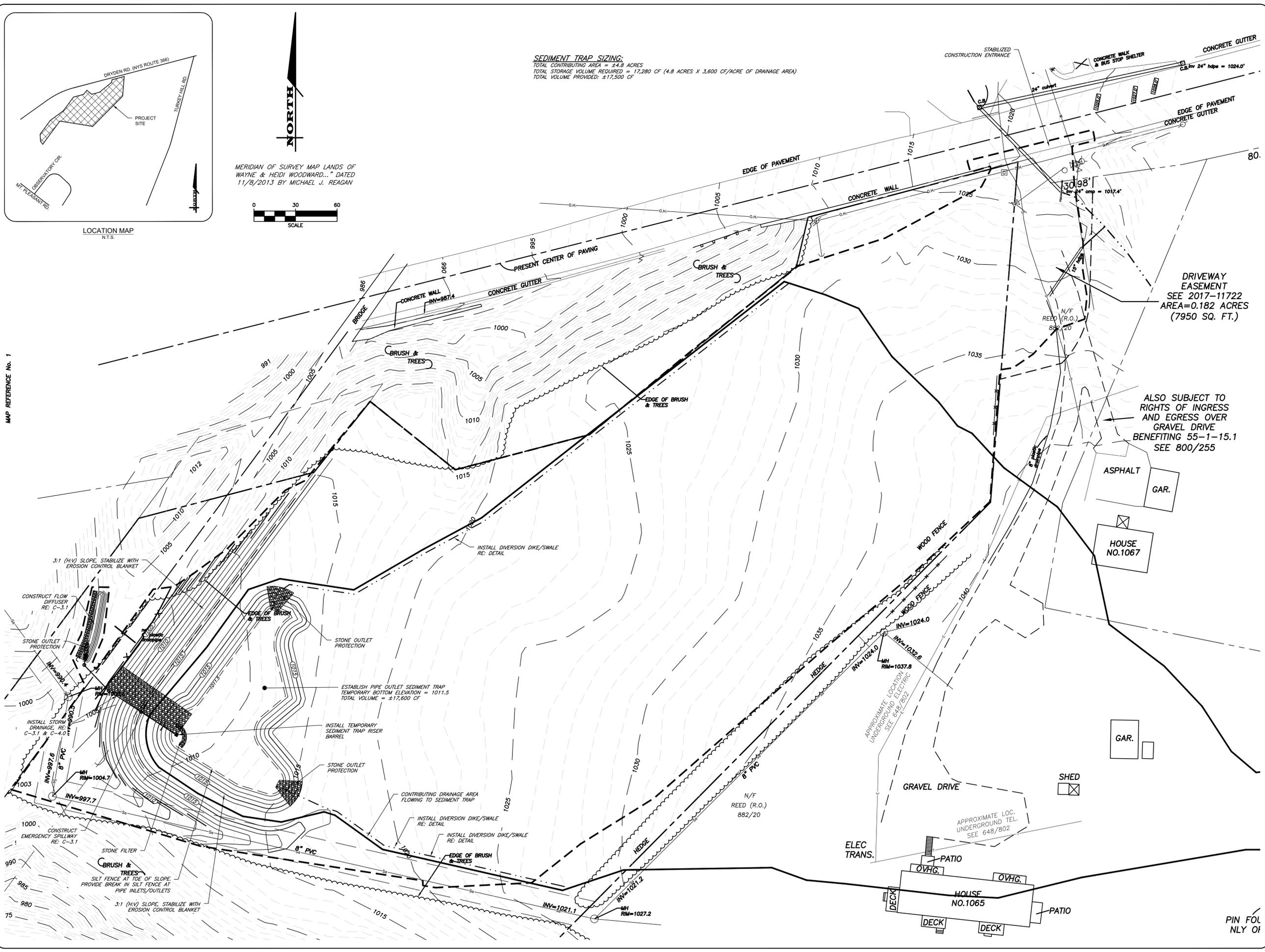
File: I:\Engineering\Job Files\1495-22\Drawings\Sheets\C-3.0 Grading, Drainage and Erosion Control Plan (1 of 2).dwg, Last saved: 10/11/2023, By: AFSHEL, Plot Style: MARATHON STANDARD.CTB



MERIDIAN OF SURVEY MAP LANDS OF WAYNE & HEIDI WOODWARD... DATED 11/9/2013 BY MICHAEL J. REAGAN



SEDIMENT TRAP SIZING:
 TOTAL CONTRIBUTING AREA = ±4.8 ACRES
 TOTAL STORAGE VOLUME REQUIRED = 17,280 CF (4.8 ACRES X 3,600 CF/ACRE OF DRAINAGE AREA)
 TOTAL VOLUME PROVIDED: ±17,500 CF



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

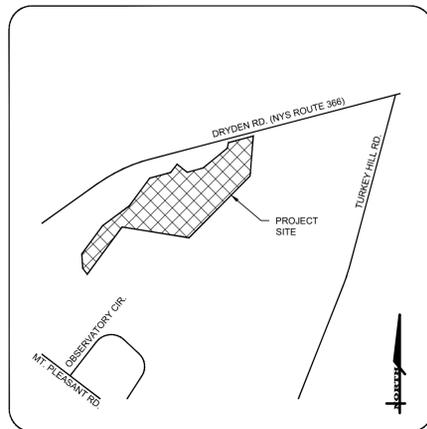
STATE OF NEW YORK
 TOMPKINS COUNTY
 TOWN OF DRYDEN
 1061 DRYDEN ROAD (NYS ROUTE 366)
SITE DEVELOPMENT PLANS
 for
EVERGREEN APARTMENTS / PG DRYDEN, LLC

JOB NO: 1495-22
 SCALE: 1"=30'
 DRAWN: RLJ
 DESIGNED: AMF
 DATE: 8/30/23

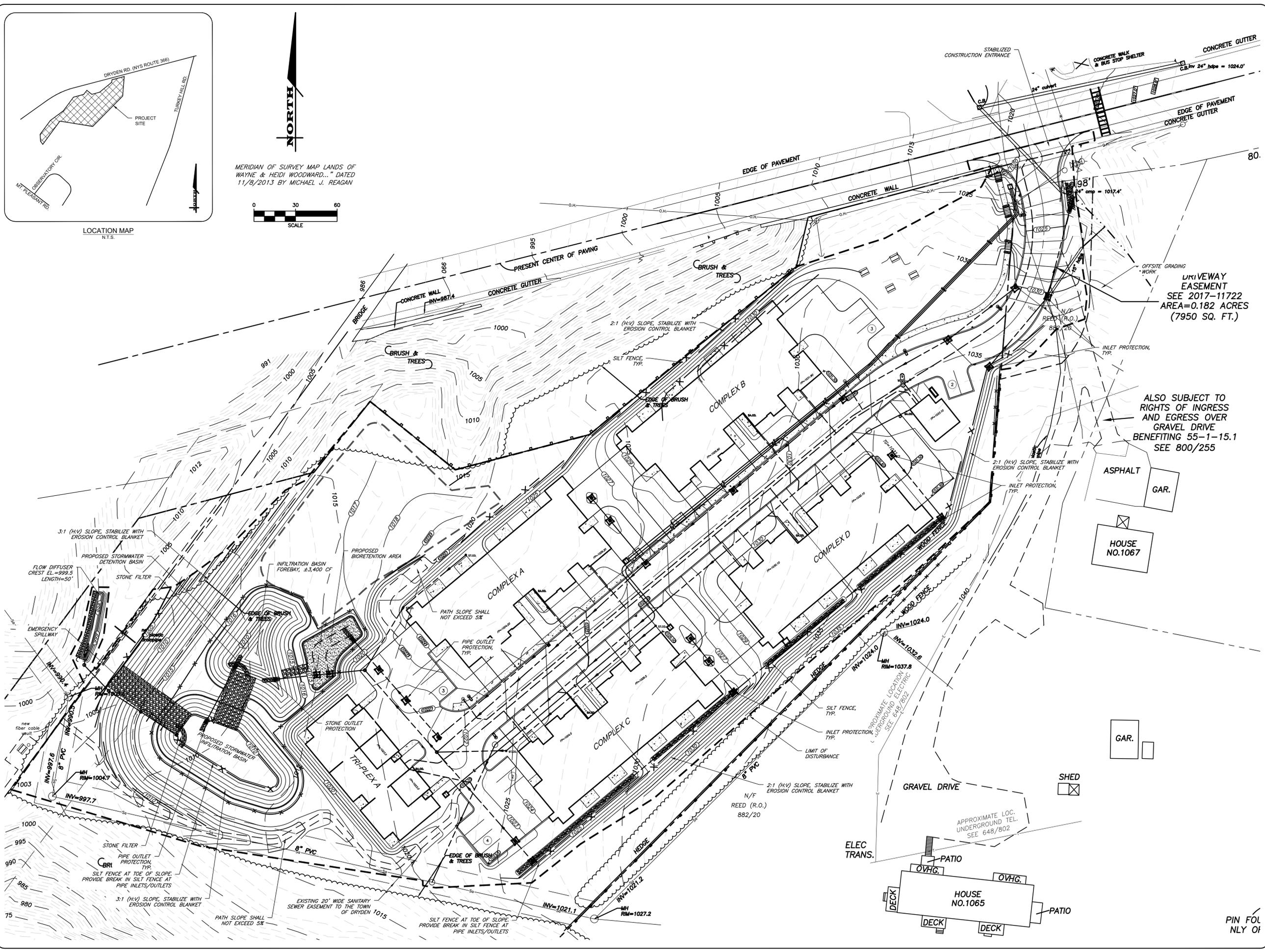
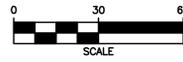
REVISIONS		
DATE	BY	REVISION
9/21/23	AF	TOWN SUBMITTAL
10/11/23	AF	TOWN SUBMITTAL

ADAM M. FISHEL
 STATE OF NEW YORK
 PROFESSIONAL ENGINEER
 NO. 086648
 CONSTRUCTION

DRAWING TITLE:
 Grading Drainage and Erosion Control Plan (1 of 2)
 4 of 18
 SHEET No: **C-3.0**
 1495-22
 JOB No: DRAWING No:



MERIDIAN OF SURVEY MAP LANDS OF WAYNE & HEIDI WOODWARD... DATED 11/9/2013 BY MICHAEL J. REAGAN



UTRI VEWAY EASEMENT SEE 2017-11722 AREA=0.182 ACRES (7950 SQ. FT.)

ALSO SUBJECT TO RIGHTS OF INGRESS AND EGRESS OVER GRAVEL DRIVE BENEFITING 55-1-15.1 SEE 800/255

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

SITE DEVELOPMENT PLANS for
EVERGREEN APARTMENTS / PG DRYDEN, LLC
 1061 DRYDEN ROAD (NYS ROUTE 366)
 TOMPKINS COUNTY STATE OF NEW YORK
 TOWN OF DRYDEN

JOB NO: 1495-22
 SCALE: 1"=30'
 DRAWN: RLJ
 DESIGNED: AMF
 DATE: 8/30/23

REVISIONS		
DATE	BY	REVISION
9/21/23	AF	TOWN SUBMITTAL
10/11/23	AF	TOWN SUBMITTAL

THIS IS A SEPARATE NEW YORK STATE DESIGN AND APPROVAL ACTION FROM THE NEW YORK STATE ENGINEERING BOARD. THE DESIGN OF THIS PROJECT IS THE RESPONSIBILITY OF THE DESIGN PROFESSIONAL ENGINEER OR LAND SURVEYOR. TO ALTER IN ANY WAY, AN ITEM BEARING THE SEAL OF A PROFESSIONAL ENGINEER OR LAND SURVEYOR IS TO VIOLATE THE SEAL OF A PROFESSIONAL ENGINEER OR LAND SURVEYOR AND IS TO BE CONSIDERED A VIOLATION OF THE PROFESSIONAL ENGINEERING AND LAND SURVEYING LAWS OF THE STATE OF NEW YORK. THE DESIGN PROFESSIONAL ENGINEER OR LAND SURVEYOR SHALL BE RESPONSIBLE FOR THE DESIGN AND THE DATE OF SUCH REVISIONS, AND A SEPARATE REVISION SHEET SHALL BE SUBMITTED TO THE STATE ENGINEERING BOARD.

COPYRIGHT © 2023 MARATHON ENG.

ADAM M. FISHEL

DRAWING TITLE:
 Grading Drainage and Erosion Control Plan (2 of 2)

5 of 18
 SHEET No: **C-3.1**

1495-22
 JOB No: DRAWING No:

File: I:\Engineering\Job Files\1495-22\Drawings\Sheets\C-3.1\Grading, Drainage and Erosion Control Plan (2 of 2).dwg, Last saved: 10/10/2023, Plot Date: 10/11/2023, By: AFSHEL, Plot Style: -----

SANITARY SEWER SCHEDULE							
STRUCTURE ID	STRUCTURE TYPE	TOP OF RIM	INVERT OUT	INVERT IN	LENGTH (FT)	PIPE DIA. & MAT'L	SLOPE (%)
S-2	PROPOSED 4' DIA. MANHOLE	1032.00	1025.62	1025.72	161	6" PVC.	5.00%
S-1	PROPOSED 4' DIA. MANHOLE	1023.40	1017.47	1017.57	109	6" PVC.	3.00%
S	PROPOSED 4' DIA. DOG HOUSE	1020.80	1014.10	1014.20	-	-	-

NOTES:
 (1) INVERT ELEVATION OF EXISTING SANITARY SEWER SHOWN IS APPROXIMATE. CONTRACTOR TO CONFIRM PRIOR TO THE START OF WORK.

DRAINAGE SCHEDULE (D)

STRUCTURE DESIGNATIONS						
FROM	TO	DIA. (IN)	PIPE MAT'L	LENGTH (FT)	SLOPE (%)	
30x30 CB D-9	D-8					
TG 1031.00						
INV= 1026.94	1025.80	12	HDPE	57	2.00%	
30x30 CB D-8	D-7					
TG 1031.85						
INV= 1025.80	1021.88	12	PERF. HDPE	196	2.00%	
30x30 CB D-7.2	D-7.1					
TG 1025.90						
INV= 1021.88	1021.68	12	HDPE	20	1.00%	
30x30 CB D-7.1	D-7					
TG 1025.90						
INV= 1021.68	1021.40	12	PERF. HDPE	28	1.00%	
30x30 CB D-7	D-6					
TG 1025.90						
INV= 1021.40	1017.64	12	PERF. HDPE	188	2.00%	
30x30 CB D-6	D-5					
TG 1023.90						
INV= 1017.64	1016.74	15	HDPE	18	5.00%	
30x30 CB D-5	D-4					
TG 1023.70						
INV= 1016.74	1012.54	15	HDPE	84	5.00%	
INMH 4 D-4.5	D-4.4					
TG 1030.10						
INV= 1027.05	1025.34	12	HDPE	62	2.75%	
INMH 4 D-4.4	D-4.3					
TG 1032.00						
INV= 1025.34	1022.95	12	HDPE	87	2.75%	
30x30 CB D-4.3	D-4.2					
TG 1031.40						
INV= 1022.95	1020.15	12	HDPE	102	2.75%	
30x30 CB D-4.2	D-4.1					
TG 1028.60						
INV= 1020.15	1018.12	15	HDPE	81	2.50%	
30x30 CB D-4.1.2	D-4.1.1					
TG 1025.50						
INV= 1021.22	1020.17	15	HDPE	21	5.00%	
30x30 CB D-4.1.1	D-4.1					
TG 1025.50						
INV= 1020.17	1018.12	15	HDPE	41	5.00%	
30x30 CB D-4.1	D-4					
TG 1026.50						
INV= 1018.12	1012.54	15	HDPE	203	2.75%	
MH 4 D-4	D-3					
TG 1022.00						
INV= 1012.54	1011.76	18	HDPE	78	1.00%	
MH 4 D-3	D-2					
TG 1021.90						
INV= 1011.76	1011.50	18	HDPE	26	1.00%	
INMH 4 D-2	D-1					
TG 1015.50						
INV= 1011.50	1011.41	18	HDPE	9	1.00%	
INMH 4 D-1	D					
TG 1015.50						
INV= 1011.41	1011.00	18	HDPE	28	1.46%	
ES D						
INV= 1011.00						

DRAINAGE SCHEDULE (DA)

STRUCTURE DESIGNATIONS						
FROM	TO	DIA. (IN)	PIPE MAT'L	LENGTH (FT)	SLOPE (%)	
30x30 CB DA-4	DA-3					
TG 1024.1						
INV= 1019.07	1018.04	12	HDPE	103	1.00%	
INMH 4 DA-3	DA-2					
TG 1021.3						
INV= 1018.04	1016.34	18	HDPE	34	5.00%	
30x30 CB DA-2	DA-1					
TG 1021.3						
INV= 1016.34	1015.78	18	HDPE	28	2.00%	
30x30 CB DA-1	DA					
TG 1021.3						
INV= 1015.78	1015.00	18	HDPE	26	3.00%	
ES DA						
INV= 1015						

DRAINAGE SCHEDULE (DB)

STRUCTURE DESIGNATIONS						
FROM	TO	DIA. (IN)	PIPE MAT'L	LENGTH (FT)	SLOPE (%)	
OCS1 DB-1	DB					
TR 1014.00						
INV= 1010.43	1010.00	18	HDPE	43	1.00%	
ES DB-1						
INV= 1010.00						

DRAINAGE SCHEDULE (DC)

STRUCTURE DESIGNATIONS						
FROM	TO	DIA. (IN)	PIPE MAT'L	LENGTH (FT)	SLOPE (%)	
OCS2 DC-4	DC-3					
TR 1010.00						
INV= 1005.40	1004.50	24	PVC	30	3.00%	
MH 4 DC-3	DC-2					
TR 1015.00						
INV= 999.65	998.81	24	PVC	28	3.00%	
MH 4 DC-2	DC-1					
TR 1005.90						
INV= 998.81	998.06	24	PVC	25	3.00%	
MH 4 DC-1	DC					
TR 1002.00						
INV= 998.06	998.00	24	PVC	5	1.20%	
ES DC						
INV= 998						

DRAINAGE SCHEDULE (DD)

STRUCTURE DESIGNATIONS						
FROM	TO	DIA. (IN)	PIPE MAT'L	LENGTH (FT)	SLOPE (%)	
30x30 CB DD-2	DD-1					
TG 1032.90						
INV= 1029.02	1026.51	15	HDPE	66	3.80%	
INMH 4 DD-1	DD					
TG 1030.20						
INV= 1026.51	1024.00	15	HDPE	66	3.80%	
ES DD						
TR 1024.00						



SITE DEVELOPMENT PLANS
 for
EVERGREEN APARTMENTS / PG DRYDEN, LLC
 1061 DRYDEN ROAD (NYS ROUTE 366)
 TOMPKINS COUNTY
 STATE OF NEW YORK
 TOWN OF DRYDEN

JOB NO:	1495-22
SCALE:	1"=30'
DRAWN:	RLJ
DESIGNED:	AMF
DATE:	8/30/23

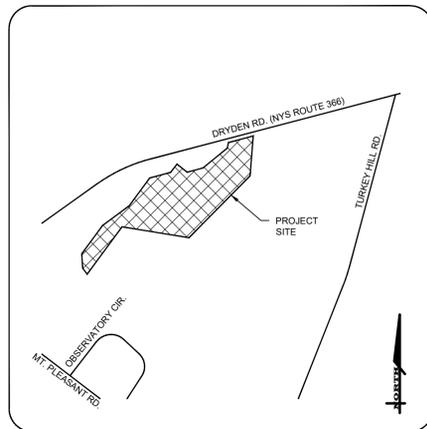
REVISIONS		
DATE	BY	REVISION
9/21/23	AF	TOWN SUBMITTAL
10/11/23	AF	TOWN SUBMITTAL

I, A MEMBER OF NEW YORK STATE ENGINEERING, HEREBY CERTIFY THAT I AM THE DESIGNER OF THIS PROJECT AND I AM A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF NEW YORK. I AM NOT PROVIDING ANY SERVICES TO ANY OTHER PROJECTS AT THE SAME TIME AS THIS PROJECT. THE SEAL OF A PROFESSIONAL ENGINEER OR LAND SURVEYOR IS USED BY THE ENGINEER OR LAND SURVEYOR ONLY AND IS TO BE USED ONLY BY THE ENGINEER OR LAND SURVEYOR WHO HAS BEEN ISSUED THE SEAL AND THE NOTATION THEREBY BY THE BOARD OF PROFESSIONAL ENGINEERS AND SURVEYORS OF THE STATE OF NEW YORK.

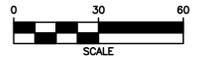
COPYRIGHT © 2023 MARATHON ENG.

NOT FOR CONSTRUCTION
 ADAM M. FISHEL

DRAWING TITLE: Utility Plan (2 of 2)	
7 of 18 SHEET No:	C-4.1
1495-22 JOB No:	DRAWING No:

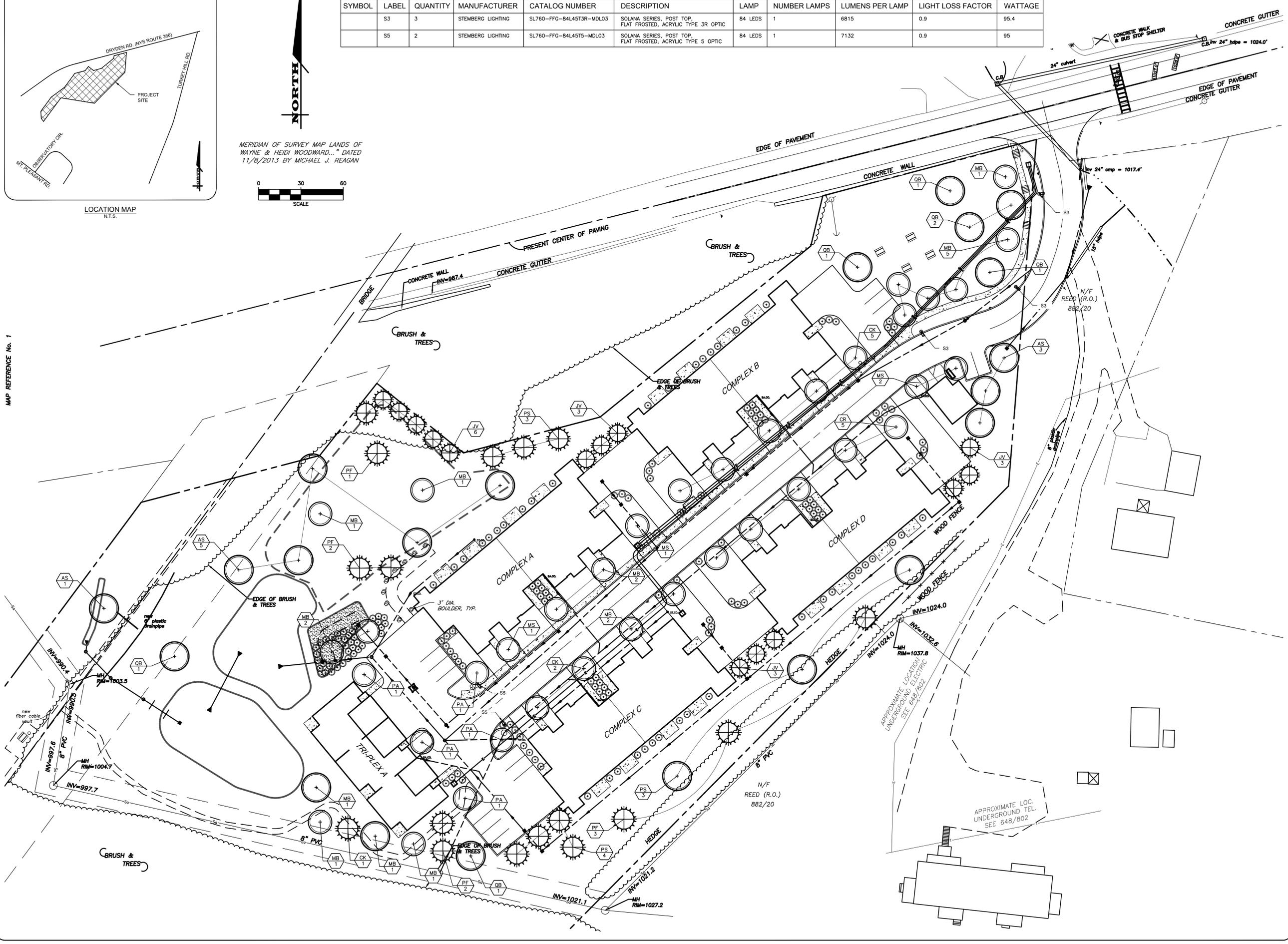


MERIDIAN OF SURVEY MAP LANDS OF WAYNE & HEIDI WOODWARD... DATED 11/9/2013 BY MICHAEL J. REAGAN



SYMBOL	LABEL	QUANTITY	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	LAMP	NUMBER LAMPS	LUMENS PER LAMP	LIGHT LOSS FACTOR	WATTAGE
	S3	3	STEMBERG LIGHTING	SL760-FFG-84L45T3R-MDL03	SOLANA SERIES, POST TOP, FLAT FROSTED, ACRYLIC TYPE 3R OPTIC	84 LEDS	1	6815	0.9	95.4
	S5	2	STEMBERG LIGHTING	SL760-FFG-84L45T5-MDL03	SOLANA SERIES, POST TOP, FLAT FROSTED, ACRYLIC TYPE 5 OPTIC	84 LEDS	1	7132	0.9	95

MAP REFERENCE No. 1



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

SITE DEVELOPMENT PLANS
 for
EVERGREEN APARTMENTS / PG DRYDEN, LLC
 1061 DRYDEN ROAD (NYS ROUTE 366)
 TOMPKINS COUNTY STATE OF NEW YORK
 TOWN OF DRYDEN

JOB NO: 1495-22
 SCALE: 1"=30'
 DRAWN: RLJ
 DESIGNED: AMF
 DATE: 8/30/23

REVISIONS		
DATE	BY	REVISION
9/21/23	AF	TOWN SUBMITTAL
10/11/23	AF	TOWN SUBMITTAL

ADAM M. FISHEL
 PROFESSIONAL ENGINEER
 NO. 086648

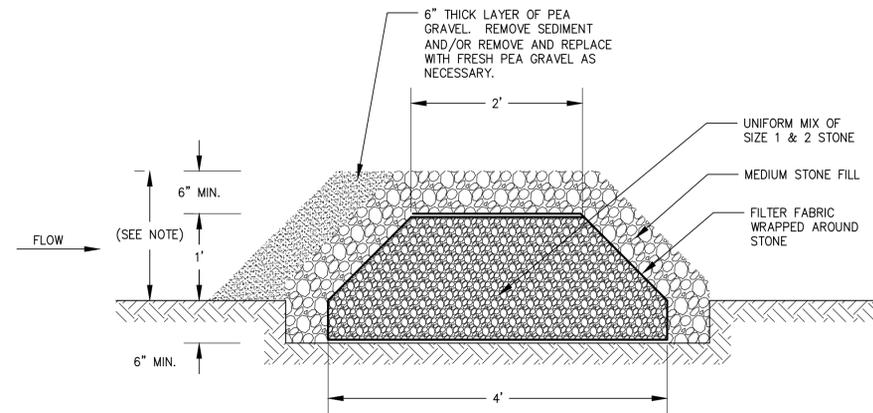
STATE OF NEW YORK
 ADAM M. FISHEL
 PROFESSIONAL ENGINEER
 NO. 086648

DRAWING TITLE:
 Lighting & Landscaping Plan

8 of 18
 SHEET No: C-5.0
 1495-22
 JOB No: DRAWING No:

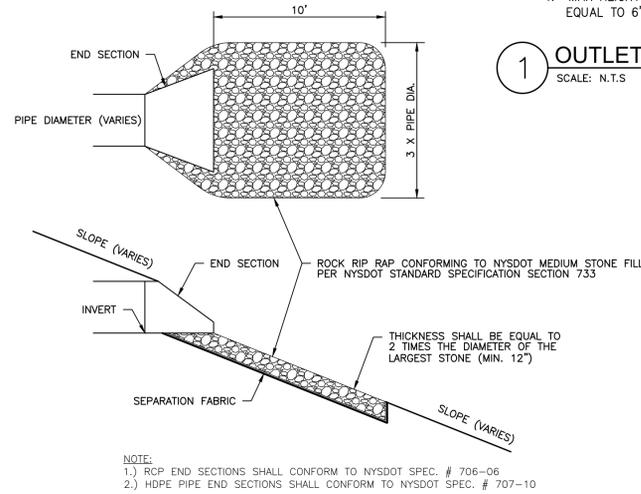
File: I:\Engineering\Job Files\1495-22\Drawings\Sheets\C-5.0 Lighting and Landscaping Plan.dwg, Last saved: 10/10/2023, Plot Date: 10/11/2023, By: AFISHEL, Plot Style: MARATHON_STANDARD.CTB

File: I:\Engineering\Job Files\1495-22\Drawings\Sheets\C-6.0 Detail Sheet (1 of 6).dwg, Last saved: 10/11/2023, Plot Date: 10/11/2023, Plot Style: MARATHON STANDARD.CTB



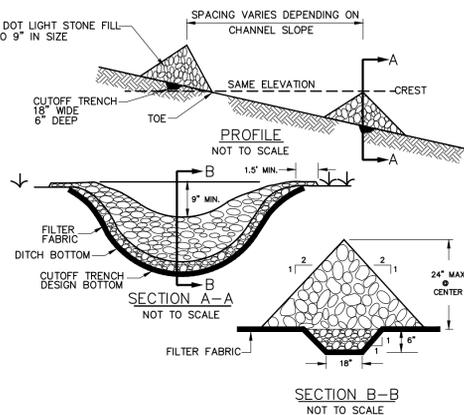
NOTES:
1. MAX HEIGHT OF STONE FILTER SHALL NOT EXCEED 18" OR AN ELEVATION EQUAL TO 6" LOWER THAN THE ELEVATION OF THE RESPECTIVE POND'S EMERGENCY SPILLWAY.

1 OUTLET CONTROL STRUCTURE STONE FILTER
SCALE: N.T.S



NOTE:
1.) RCP END SECTIONS SHALL CONFORM TO NYS DOT SPEC. # 706-06
2.) HDPE PIPE END SECTIONS SHALL CONFORM TO NYS DOT SPEC. # 707-10

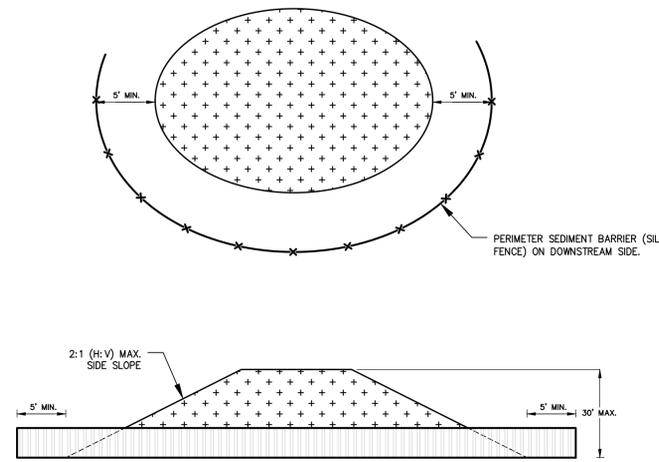
7 PIPE OUTLET PROTECTION
SCALE: N.T.S



CONSTRUCTION SPECIFICATIONS

- STONE WILL BE PLACED ON A FILTER FABRIC FOUNDATION TO THE LINES, GRADES AND LOCATION SHOWN ON IN THE PLAN
- SET SPACING OF CHECK DAMS TO ASSUME THAT THE ELEVATIONS OF THE CREST OF THE DOWNSTREAM DAM IS AT THE SAME ELEVATION OF THE UPSTREAM DAM.
- EXTEND THE STONE A MINIMUM OF 1.5 FEET BEYOND THE DITCH BANKS TO PREVENT CUTTING AROUND THE DAM.
- PROTECT THE CHANNEL DOWNSTREAM OF THE LOWEST CHECK DAM FROM SCOUR AND EROSION WITH STONE OR LINER AS APPROPRIATE.
- ENSURE THAT CHANNEL APPURTENANCES SUCH AS CULVERT ENTRIES BELOW CHECK DAMS ARE NOT SUBJECT TO DAMAGE OF BLOCKAGE FROM DISPLACED STONES.
MAXIMUM DRAINAGE AREA - 2 ACRES

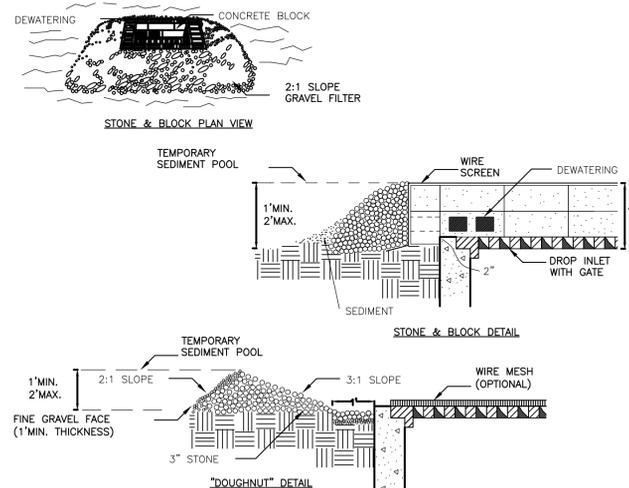
8 STONE CHECK DAM
SCALE: N.T.S



CONSTRUCTION SPECIFICATIONS

- SEDIMENT BARRIER (SILT FENCE) SHALL BE PLACED AROUND THE PERIMETER OF ALL STOCKPILES OF ALL ERODIBLE MATERIAL.
- OFFSET SEDIMENT BARRIER FROM STOCKPILE A MINIMUM OF 5' FROM THE TOE OF STOCKPILE FOR SEDIMENT ACCUMULATION.
- IMMEDIATELY STABILIZED STOCKPILED MATERIAL WITH SEED AND MULCH.
- INSPECT STOCKPILE PERIMETER CONTROL AFTER EACH RAIN EVENT.
- 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.

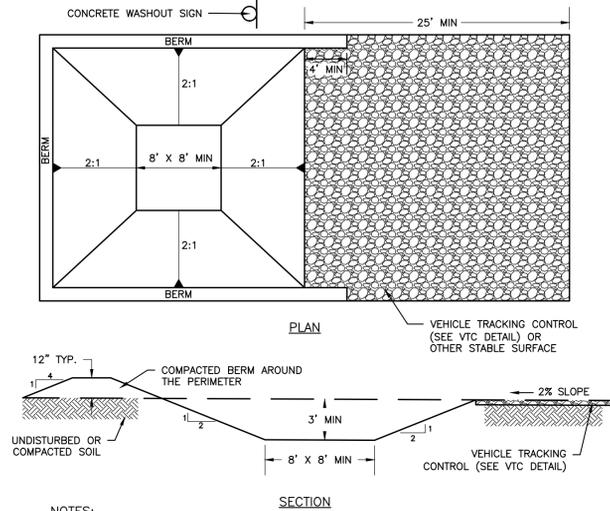
2 STOCKPILE AREA



CONSTRUCTION SPECIFICATIONS

- LAY ONE BLOCK ON EACH SIDE OF THE STRUCTURE ON ITS SIDE FOR DEWATERING. FOUNDATION SHALL BE 2 INCHES MINIMUM BELOW REST OF INLET AND BLOCKS PLACED AGAINST INLET FOR SUPPORT.
- HARDWARE CLOTH OR 1/2" WIRE MESH SHALL BE PLACED OVER BLOCK OPENINGS TO SUPPORT STONE.
- USE CLEAN STONE OR GRAVEL 1/2-3/4 INCH IN DIAMETER PLACED 2 INCHES BELOW TOP OF THE BLOCK ON A 2:1 SLOPE OR FLATTER.
- FOR STONE STRUCTURES ONLY, A 1 FOOT THICK LAYER OF THE FILTER STONE WILL BE PLACED AGAINST THE 3 INCH STONE AS SHOWN ON THE DRAWINGS.
- MAXIMUM DRAINAGE AREA 1 ACRE

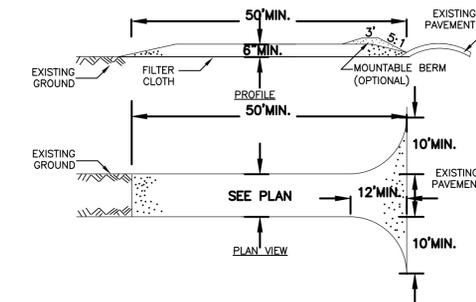
5 STONE & BLOCK DROP INLET PROTECTION
SCALE: N.T.S



NOTES:

- CONTRACTOR TO VERIFY SIZE REQUIREMENTS BASED ON ANTICIPATED VOLUMES OF CONCRETE WASHOUT.
- CONCRETE WASHOUT SHOULD BE PLACED TO NOT ACCEPT SURFACE RUNOFF EXCEPT THE AREA WHERE TRUCKS SIT FOR WASHOUT.
- IF WATER DOES NOT EVAPORATE AND IS GREATER THAN 75% FULL CONTRACTOR SHALL REMOVE LIQUIDS AS REQUIRED BY THE LOCAL AUTHORITY (SAND SEALER OF VAC TRUCK)
- PROVIDE MINIMUM AGGREGATE OF 10 MIL PLASTIC AS LINER. SECURE LINER TO PREVENT INFILTRATION & REPLACE AS NECESSARY FOR TEARS.

3 CONCRETE WASHOUT AREA



CONSTRUCTION SPECIFICATIONS

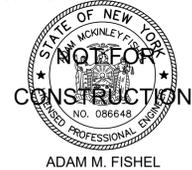
- STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
- LENGTH - NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MIN. LENGTH WOULD APPLY).
- THICKNESS - NOT LESS THAN SIX (6) INCHES.
- WIDTH - TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS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

6 STABILIZED CONSTRUCTION ENTRANCE
SCALE: N.T.S

JOB NO:	1495-22
SCALE:	1"=30'
DRAWN:	RLJ
DESIGNED:	AMF
DATE:	8/30/23

REVISIONS		
DATE	BY	REVISION
9/21/23	AF	TOWN SUBMITTAL
10/11/23	AF	TOWN SUBMITTAL

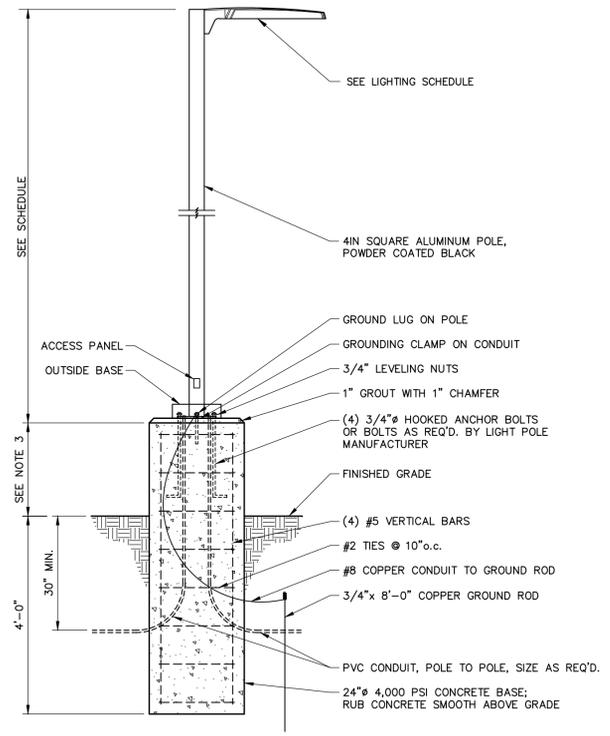
COPYRIGHT © 2023 MARATHON ENG.



DRAWING TITLE:
Detail Sheet (1 of 6)

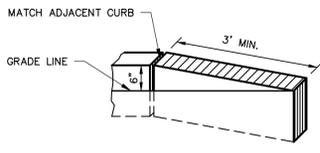
9 of 18	C-6.0
SHEET No:	
1495-22	DRAWING No:
JOB No:	

File: I:\Engineering\Job Files\1495-22\Drawings\Sheets\C-6.1 Detail Sheet (2 of 6).dwg, Last saved: 10/10/2023, Plot Date: 10/11/2023, By: AFISHEL, Plot Style: MARATHON STANDARD.CTB

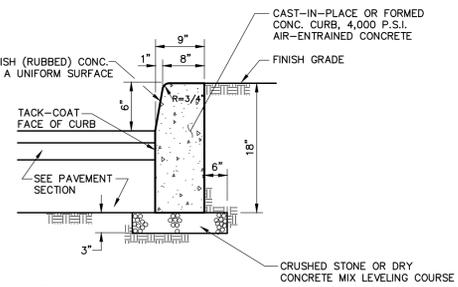


- NOTES:**
1. POLE BASE MAY BE PRECAST BY LAKELANDS (LB24D)
 2. LIGHT POLE MANUFACTURER TO SUPPLY ANCHOR BOLTS, OUTSIDE BASE, AND BOLT PATTERN TEMPLATES.
 3. IN PAVEMENT AREAS CONCRETE BASE SHALL EXTEND 24" MINIMUM ABOVE ASPHALT. IN PROTECTED LANDSCAPE AREAS (BEHIND CURB) BASES SHALL HAVE A MINIMUM OF 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.

1 LIGHT BASE

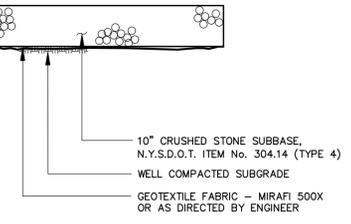


4 CURB TRANSITION

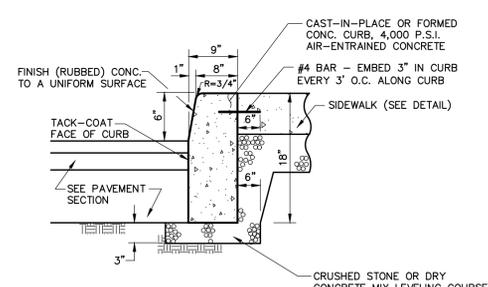


- NOTES:**
1. PROVIDE 7" REVEAL AT DROP INLETS
 2. PROVIDE CONSTRUCTION JOINTS AT 20' INTERVALS AND EXPANSION JOINTS AT 80' MAXIMUM SPACING. EXPANSION JOINTS SHALL BE FORMED WITH PRE-MOLDED BITUMINOUS JOINT FILLER AND REBAR TO PREVENT SEPARATION.

6 CONCRETE CURB WITH LAWN/PLANTER BEHIND

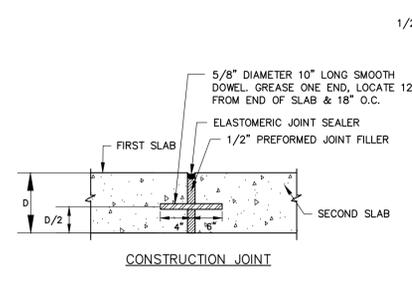


11 GRAVEL DRIVEWAY SECTION



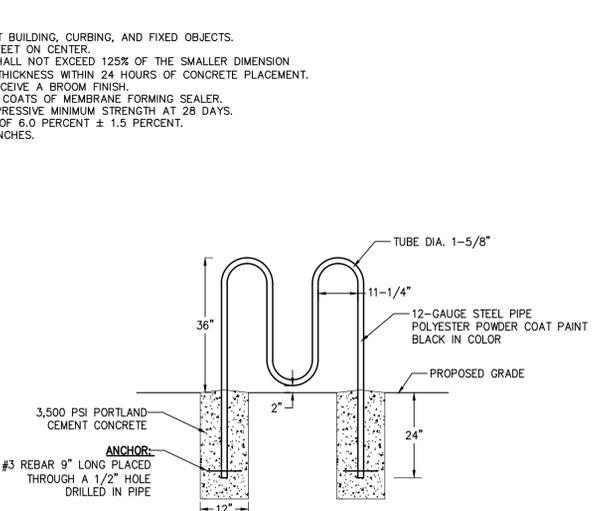
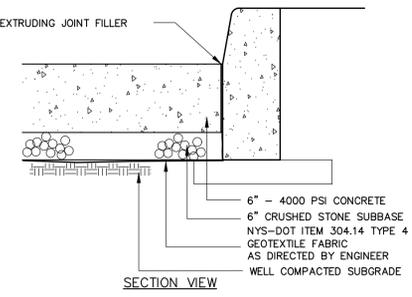
- NOTES:**
1. PROVIDE 7" REVEAL AT DROP INLETS
 2. PROVIDE CONSTRUCTION JOINTS AT 20' INTERVALS AND EXPANSION JOINTS AT 80' MAXIMUM SPACING. EXPANSION JOINTS SHALL BE FORMED WITH PRE-MOLDED BITUMINOUS JOINT FILLER AND REBAR TO PREVENT SEPARATION.

7 CONCRETE CURB WITH SIDEWALK BEHIND

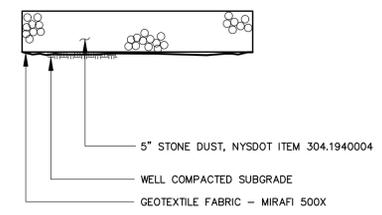


- CONCRETE PAVEMENT NOTES:**
1. ISOLATION JOINTS TO BE CONSTRUCTED AT BUILDING, CURBING, AND FIXED OBJECTS.
 2. CONTROL JOINTS TO BE MADE EVERY 12 FEET ON CENTER.
 3. THE LARGER DIMENSION OF ANY PANEL SHALL NOT EXCEED 125% OF THE SMALLER DIMENSION
 4. SAW CUT CONTROL JOINTS TO 1/3 SLAB THICKNESS WITHIN 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.

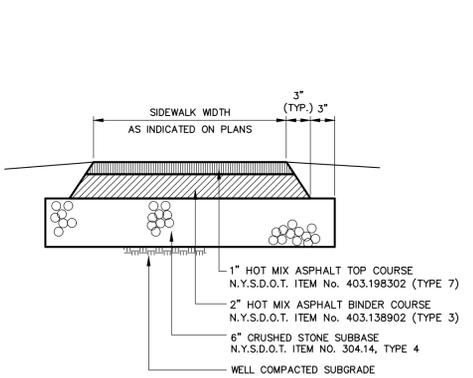
2 CONCRETE PAVEMENT



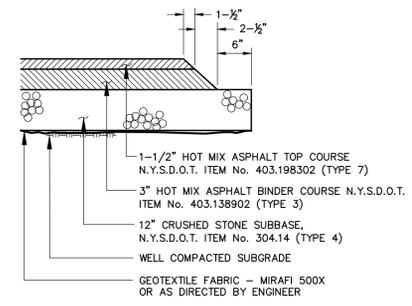
13 BIKE RACK



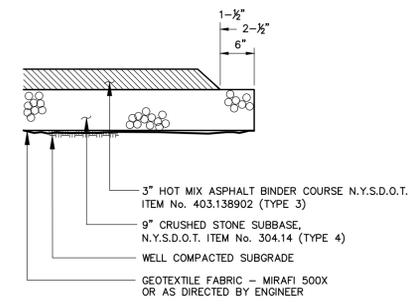
12 STONE DUST WALKING PATH



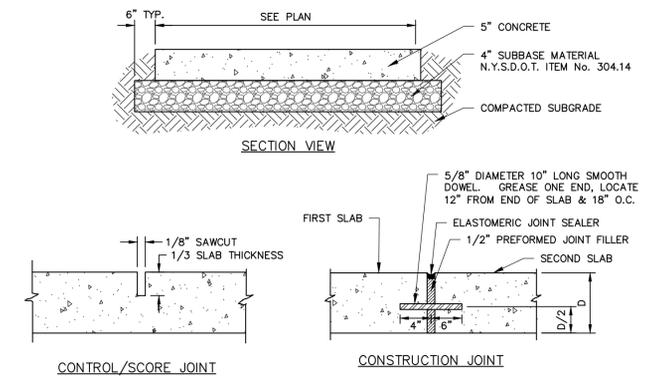
8 ASPHALT SIDEWALK
NOTE:
1. PAVEMENT SPECIFICATION NUMBERS REFERENCE THE 2008 NYSDOT STANDARD SPECIFICATION BOOK



9 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 PAVEMENT SPECIFICATION NUMBERS REFERENCE THE 2008 NYSDOT STANDARD SPECIFICATION BOOK

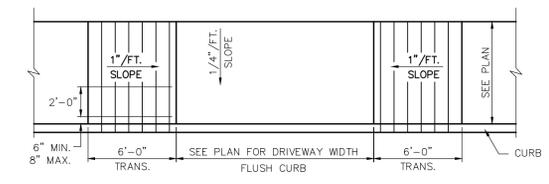


10 PAVEMENT SECTION
NOTES:
1. CONTRACTOR TO CLEAN AND TACK COAT BEFORE PLACING TOP COAT IF BINDER IS CONTAMINATED OR GREATER THAN 30 DAYS PASSES BETWEEN PLACEMENT OF BINDER AND TOP PAVEMENT SPECIFICATION NUMBERS REFERENCE THE 2008 NYSDOT STANDARD SPECIFICATION BOOK



- 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 30' 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.

3 CONCRETE SIDEWALK



- NOTES:**
1. SURFACE TEXTURE OF RAMP SHALL BE COARSE BROOM FINISHED TRANSVERSE TO RAMP.
 2. REFER TO TYPICAL SIDEWALK DETAIL FOR MATERIAL SPECIFICATIONS.

5 SIDEWALK TRANSITION AT DRIVEWAY

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

SITE DEVELOPMENT PLANS for **EVERGREEN APARTMENTS / PG DRYDEN, LLC** STATE OF NEW YORK
1061 DRYDEN ROAD (NYS ROUTE 366) TOMPKINS COUNTY TOWN OF DRYDEN

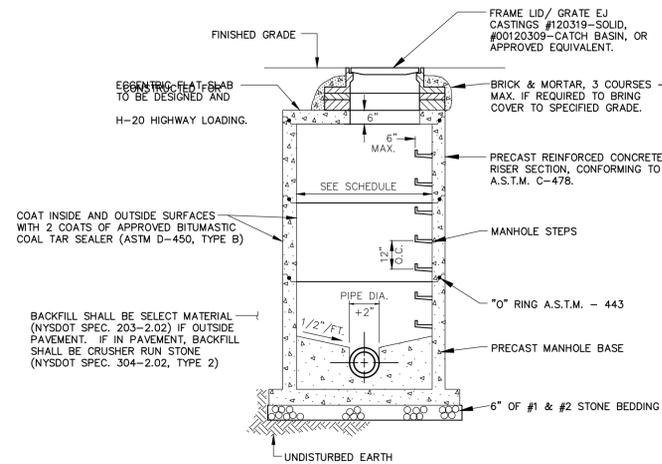
JOB NO:	1495-22
SCALE:	1"=30'
DRAWN:	RLJ
DESIGNED:	AMF
DATE:	8/30/23

REVISIONS		
DATE	BY	REVISION
9/21/23	AF	TOWN SUBMITTAL
10/11/23	AF	TOWN SUBMITTAL

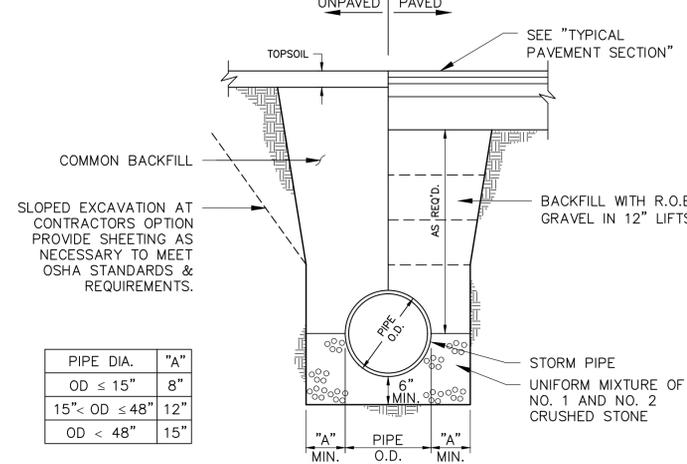
COPYRIGHT © 2023 MARATHON ENG.
STATE OF NEW YORK
ADAM M. FISHEL
PROFESSIONAL ENGINEER
No. 086646

DRAWING TITLE: Detail Sheet (2 of 6)	
10 of 18 SHEET No:	C-6.1
1495-22 JOB No:	DRAWING No:

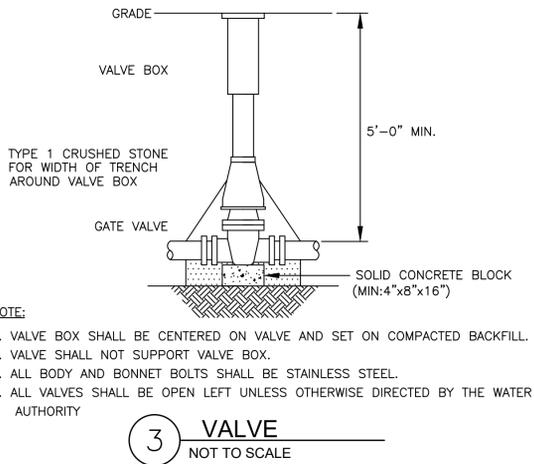
File: I:\Engineering\Job Files\1495-22\Drawings\Sheet C-6.2 Detail Sheet (3 of 6).dwg, Last saved: 10/10/2023, Plot Date: 10/11/2023, By: AFISHEL, Plot Style: MARATHON_STANDARD.CTB



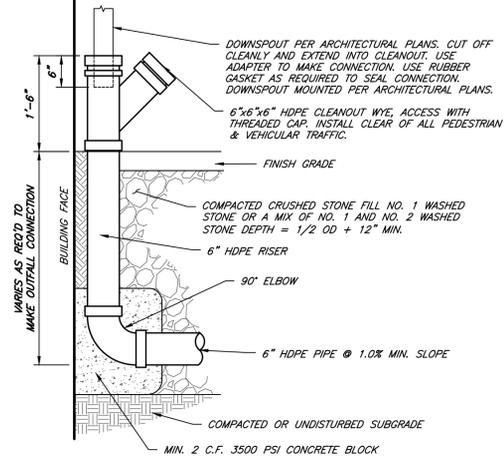
1 STORM MANHOLE



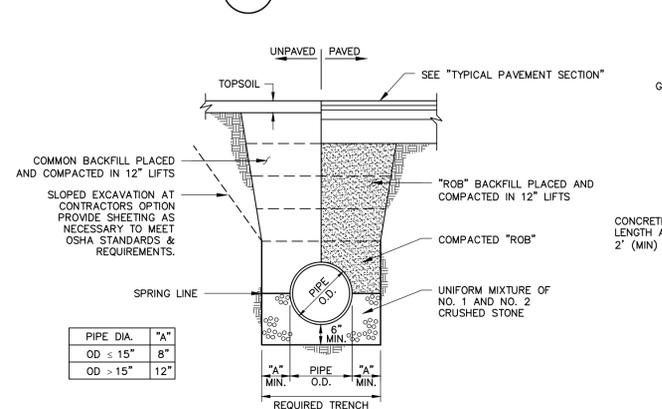
2 STORM TRENCH SOLID PIPE



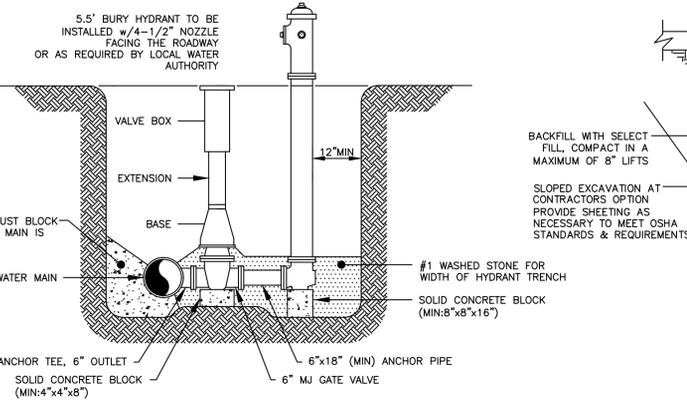
3 VALVE
NOT TO SCALE



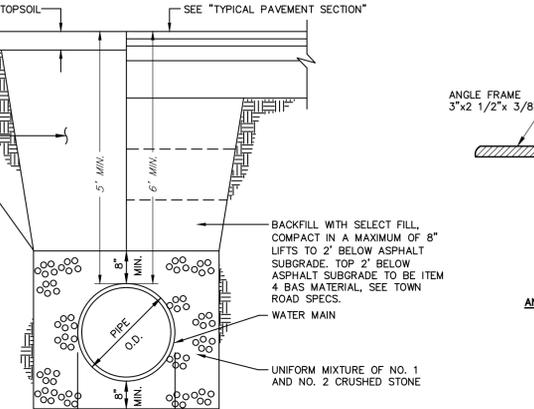
4 DOWNSPOUT CLEANOUT



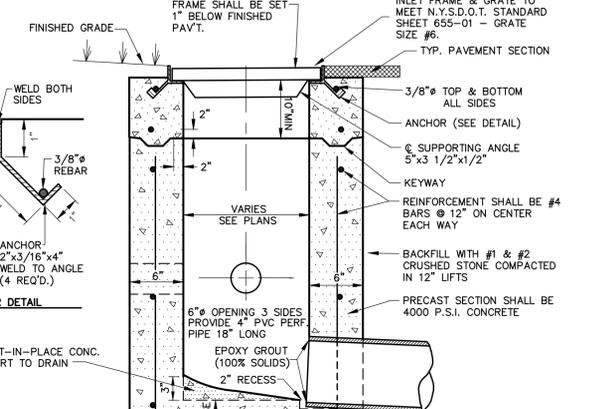
5 SANITARY TRENCH



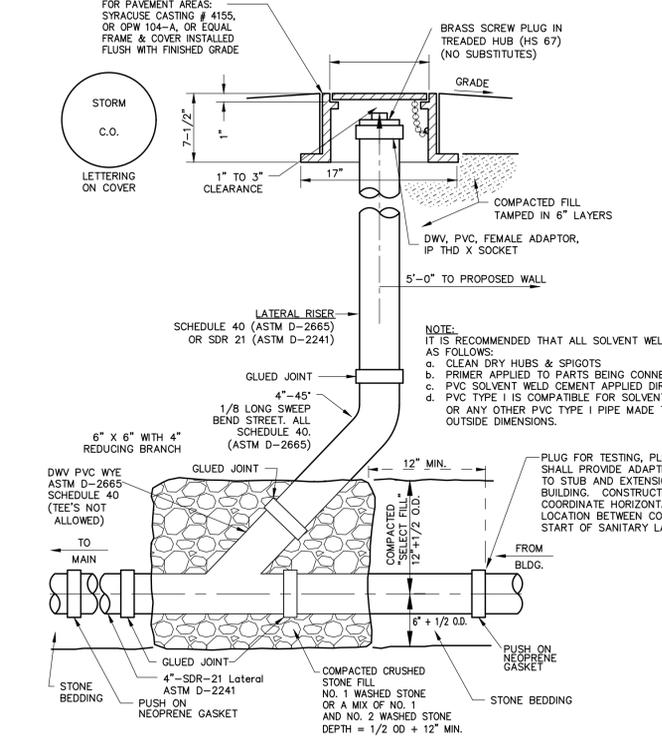
6 HYDRANT ASSEMBLY CLASS A



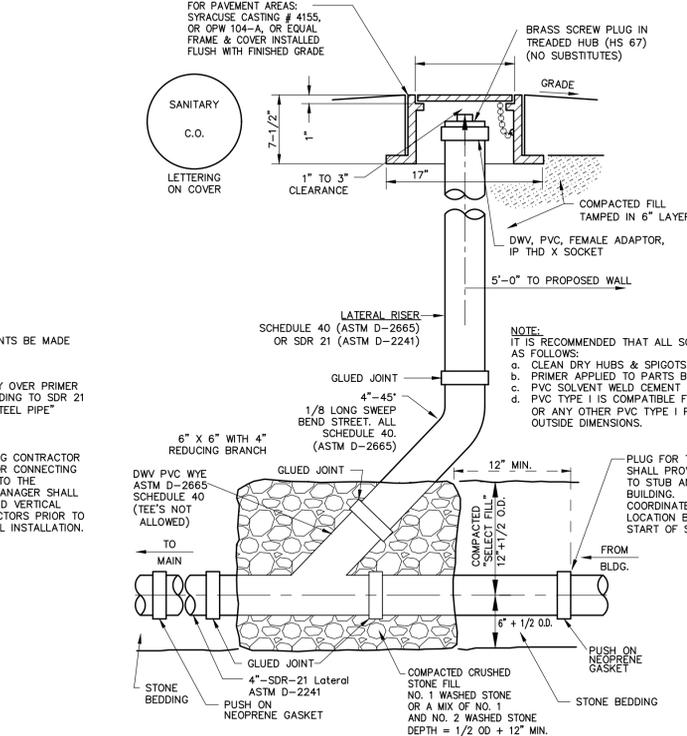
7 WATER TRENCH



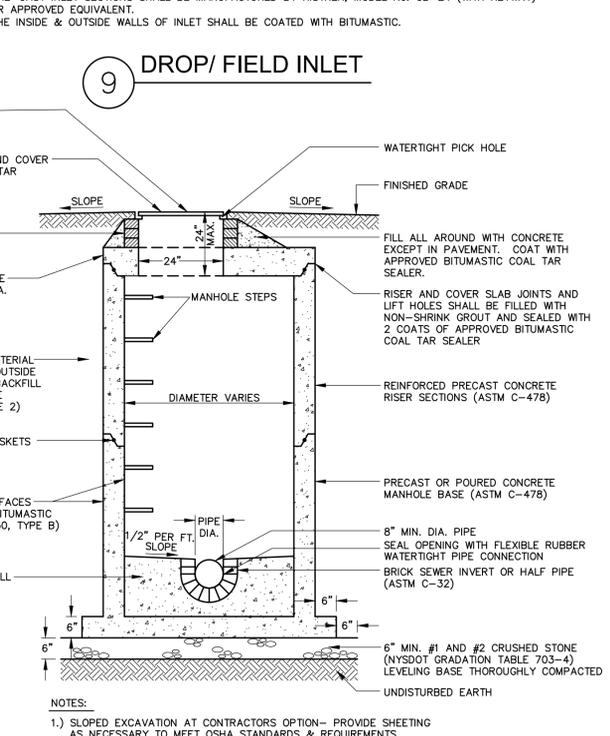
8 DROP/FIELD INLET



9 PVC STORM CLEANOUT DETAIL
SCALE: N.T.S.



10 PVC SANITARY CLEANOUT DETAIL
SCALE: N.T.S.



11 SANITARY MANHOLE

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

SITE DEVELOPMENT PLANS
for
EVERGREEN APARTMENTS / PG DRYDEN, LLC
1061 DRYDEN ROAD (NYS ROUTE 366)
TOMPKINS COUNTY
STATE OF NEW YORK
TOWN OF DRYDEN

JOB NO: 1495-22
SCALE: 1"=30'
DRAWN: RLJ
DESIGNED: AMF
DATE: 8/30/23

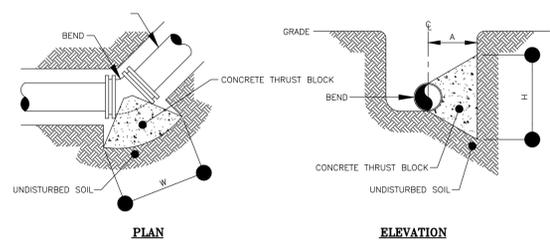
REVISIONS		
DATE	BY	REVISION
9/21/23	AF	TOWN SUBMITTAL
10/11/23	AF	TOWN SUBMITTAL

THIS IS A SEPARATE NEW YORK STATE ENGINEERING AND ARCHITECTURE PLAN FOR THE PROPOSED WORK. THESE PLANS SHALL BE THE RESPONSIBILITY OF THE DESIGN PROFESSIONAL ENGINEER OR ARCHITECT. TO ALTER IN ANY MANNER THE DESIGN OR ARCHITECTURE OF A PROFESSIONAL ENGINEER OR ARCHITECT IS UNLAWFUL. THE SEAL OF A PROFESSIONAL ENGINEER OR ARCHITECT IS A PUBLIC OFFICE. THE SEAL OF A PROFESSIONAL ENGINEER OR ARCHITECT IS A PUBLIC OFFICE. THE SEAL OF A PROFESSIONAL ENGINEER OR ARCHITECT IS A PUBLIC OFFICE. THE SEAL OF A PROFESSIONAL ENGINEER OR ARCHITECT IS A PUBLIC OFFICE.

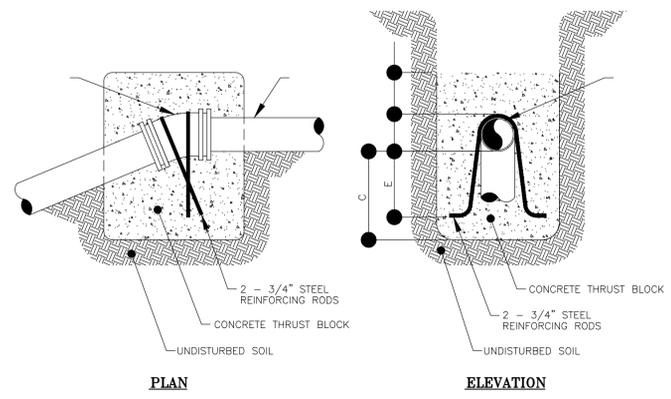
COPYRIGHT © 2023 MARATHON ENG.
STATE OF NEW YORK
ADAM M. FISHEL
REGISTERED PROFESSIONAL ENGINEER
NO. 086648

DRAWING TITLE:
Detail Sheet (3 of 6)

11 of 18	C-6.2
SHEET No:	
1495-22	DRAWING No:
JOB No:	

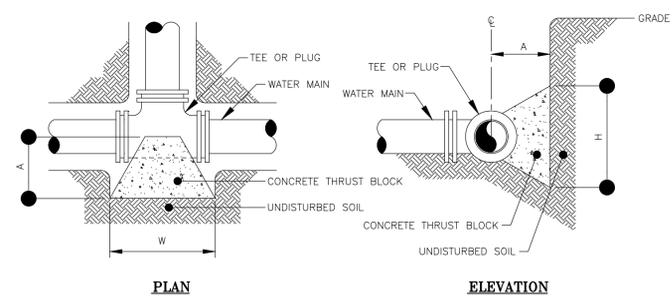


3 HORIZONTAL THRUST BLOCK FOR BENDS



BEND *	MINIMUM VOLUME OF CONCRETE DIMENSIONS	MINIMUM ALLOWABLE DIMENSIONS FOR VERTICAL THRUST BLOCKS (IN FEET)				
		A	B	C	D	E
6" x 11-1/4"	1.00 CY	3.0	1.0	1.3	3.0	1.0
6" x 22-1/2"	1.50 CY	4.0	1.0	1.8	3.0	1.5
6" x 45"	2.50 CY	6.0	1.5	2.0	3.0	1.7

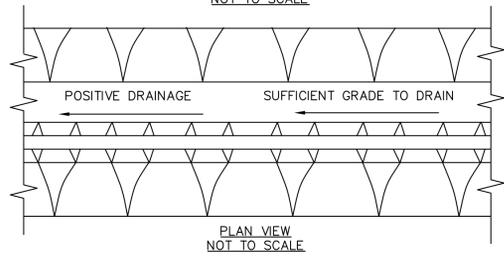
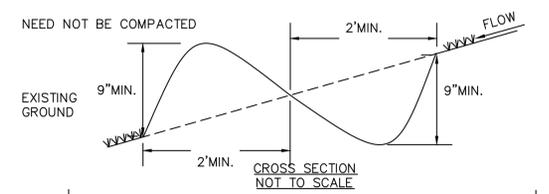
4 VERTICAL THRUST BLOCK



5 HORIZONTAL THRUST BLOCK TEES AND PLUGS

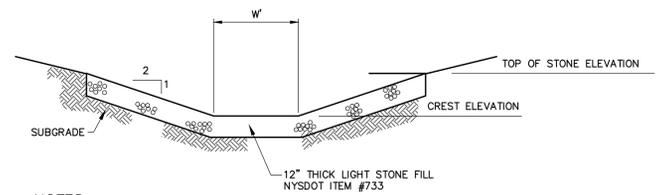
MINIMUM HORIZONTAL THRUST BLOCK DIMENSIONS, IN FEET, TO BE POURED AGAINST UNDISTURBED SOIL				
FITTING *	H	W	A	
6" x 11-1/4" BEND	2.0	1.0	2.0	
6" x 22-1/2" BEND	2.0	1.0	2.0	
6" x 45" BEND	2.0	1.0	2.0	
6" x 90" BEND	2.0	1.3	2.4	
6" TEE OR PLUG	2.0	1.0	2.0	

NOTE: WIDTH (W) OF BLOCK SHALL NOT EXCEED TWICE THE HEIGHT (H).



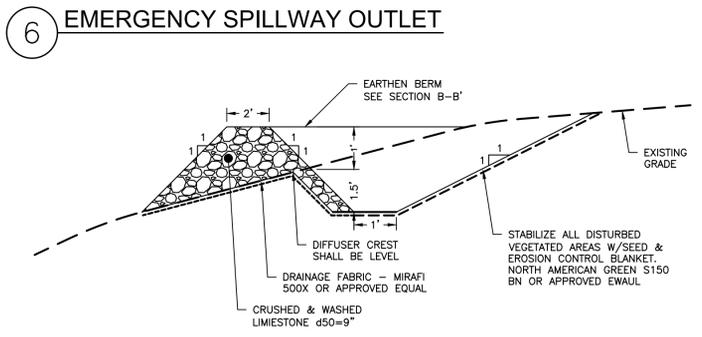
CONSTRUCTION SPECIFICATIONS

- ALL PERIMETER DIKE/SWALE SHALL HAVE UNINTERRUPTED POSITIVE GRADE TO AN OUTLET.
 - DIVERTED RUNOFF FROM A DISTURBED AREA SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE.
 - DIVERTED RUNOFF FROM AN UNDISTURBED AREA SHALL OUTLET INTO AN UNDISTURBED STABILIZED AREA AT NON-EROSION VELOCITY.
 - THE SWALE SHALL BE EXCAVATED OR SHAPED TO LINE GRADE, AND CROSS SECTION AS REQUIRED TO MEET THE CRITERIA SPECIFIED IN THE STANDARD.
 - STABILIZATION OF THE AREA DISTURBED BY THE DIKE AND SWALE SHALL BE DONE IN ACCORDANCE WITH THE STANDARD AND SPECIFICATIONS FOR TEMPORARY SEEDING AND MULCHING, AND SHALL BE DONE WITHIN 10 DAYS.
 - PERIODIC INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED AFTER EACH RAIN EVENT.
- MAX. DRAINAGE AREA LIMIT: 2 ACRES

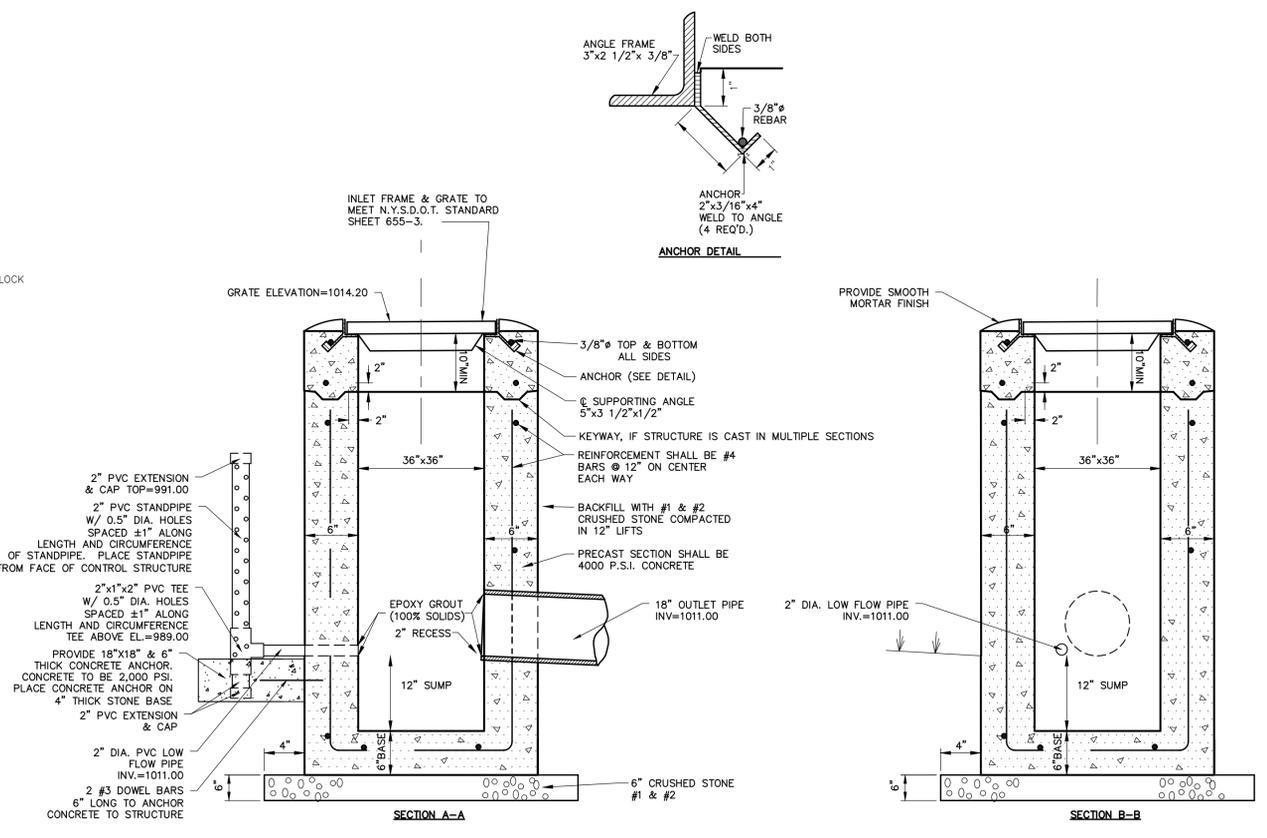


- NOTES:**
- GRADE SUBGRADE BELOW RIP-RAP PAD SMOOTHLY BEFORE PLACING THE STONES.
 - PLACE SEPARATION FABRIC UPON SUITABLE SUBGRADE PRIOR TO PLACEMENT OF STONES.
 - ALL STONES TO BE SPACED 1"-3" APART AND PLACED BY HAND.
 - RIP-RAP SHALL BE GROUTED WITH LEAN GROUT SUCH THAT NO CAVITY OR VOID SHALL EXIST UNDER THE STONES
 - EXTEND GROUTED SPILLWAY DOWN THE INSIDE AND OUTSIDE OF THE POND.
 - CREST ELEVATION NOTED IN THIS DETAIL SHALL BE TOP OF STONE.

SPILLWAY ID	WIDTH, W	CREST ELEVATION	TOP OF STONE
INFILTRATION BASIN #1	13.0 FT	±1045.5	±1016.0

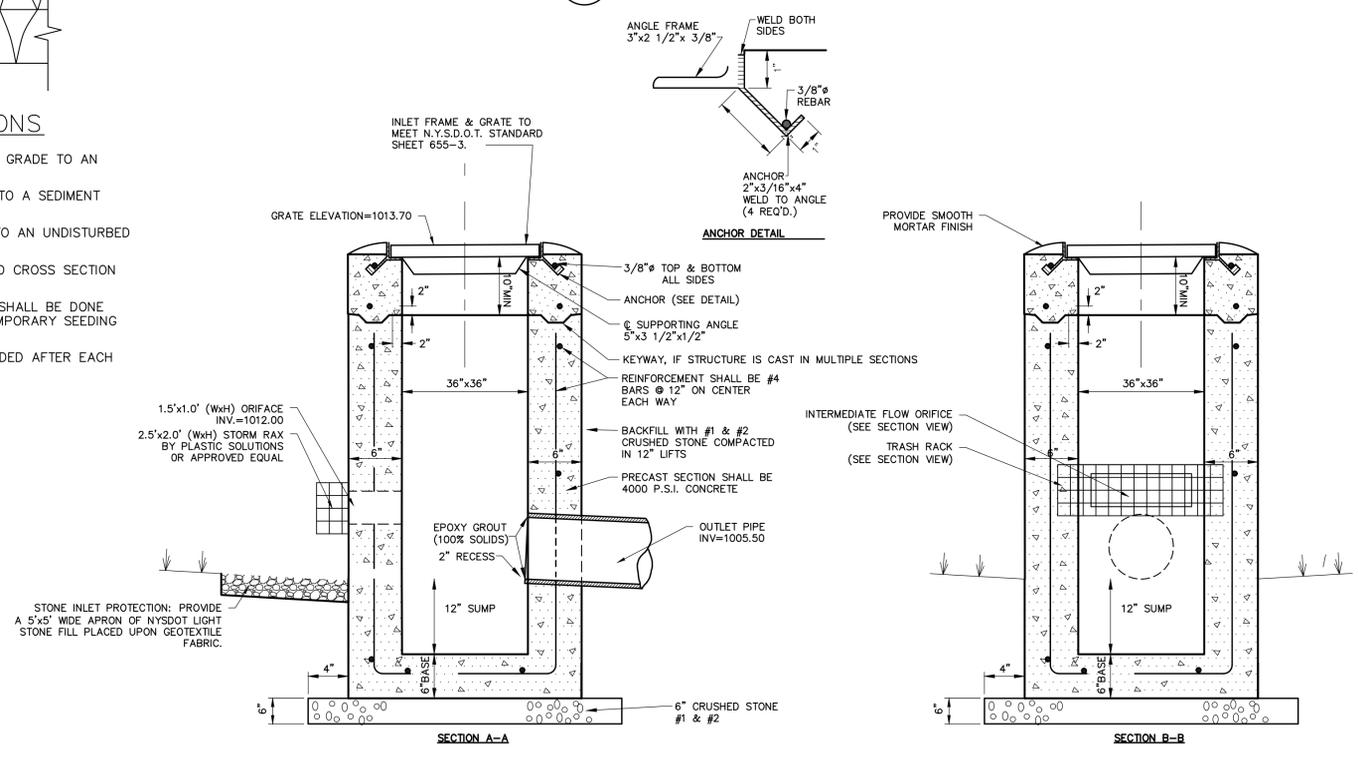


7 FLOW DIFFUSER



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

1 CONTROL STRUCTURE #1 (OS#1)



- NOTES:**
- PRE-CAST INLET SECTIONS SHALL BE MANUFACTURED BY KISTNER, MODEL No. CB-36 (WITH KEYWAY) OR APPROVED EQUIVALENT.
 - THE INSIDE & OUTSIDE WALLS OF INLET SHALL BE COATED WITH BITUMASTIC.

1 CONTROL STRUCTURE #2

JOB NO: 1495-22
 SCALE: 1"=30'
 DRAWN: RLJ
 DESIGNED: AMF
 DATE: 8/30/23

REVISIONS		
DATE	BY	REVISION
9/21/23	AF	TOWN SUBMITTAL
10/11/23	AF	TOWN SUBMITTAL

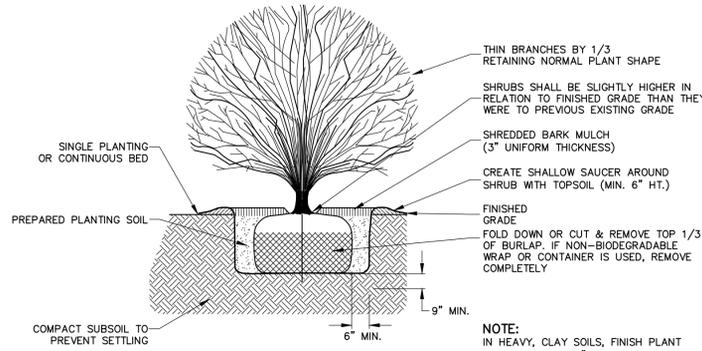
THIS IS A NOTIFICATION OF NEW YORK STATE REGULATIONS APPLICABLE TO THE DESIGN AND CONSTRUCTION OF THE PROJECT. THE DESIGNER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE DESIGNER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE DESIGNER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.

COPYRIGHT © 2023 MARATHON ENG.

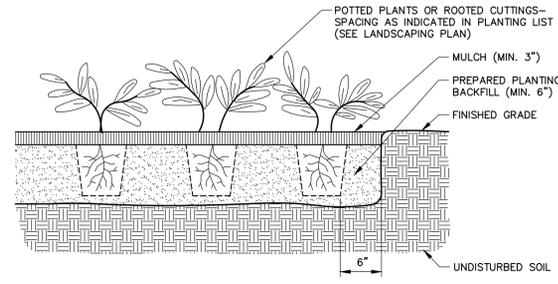
ADAM M. FISHEL

DRAWING TITLE:
 Detail Sheet (4 of 6)

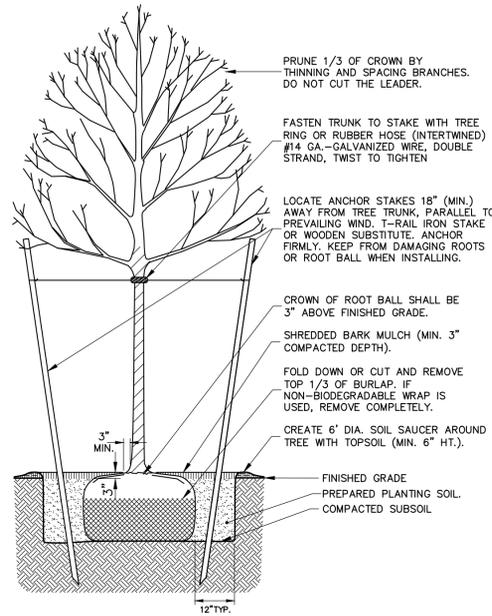
12 of 18	C-6.3
SHEET No:	
1495-22	DRAWING No:
JOB No:	



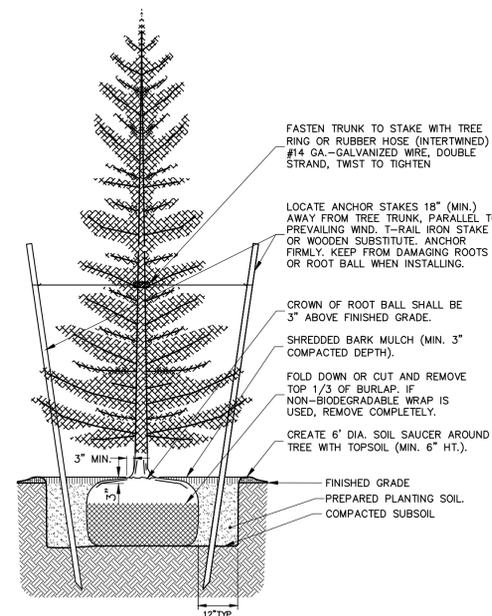
1 SHRUB PLANTINGS



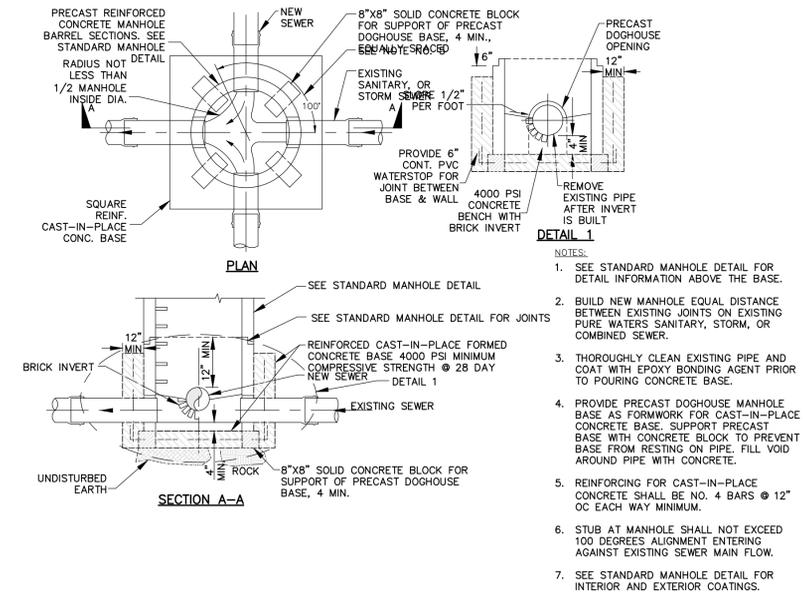
2 GROUND COVER PLANTINGS



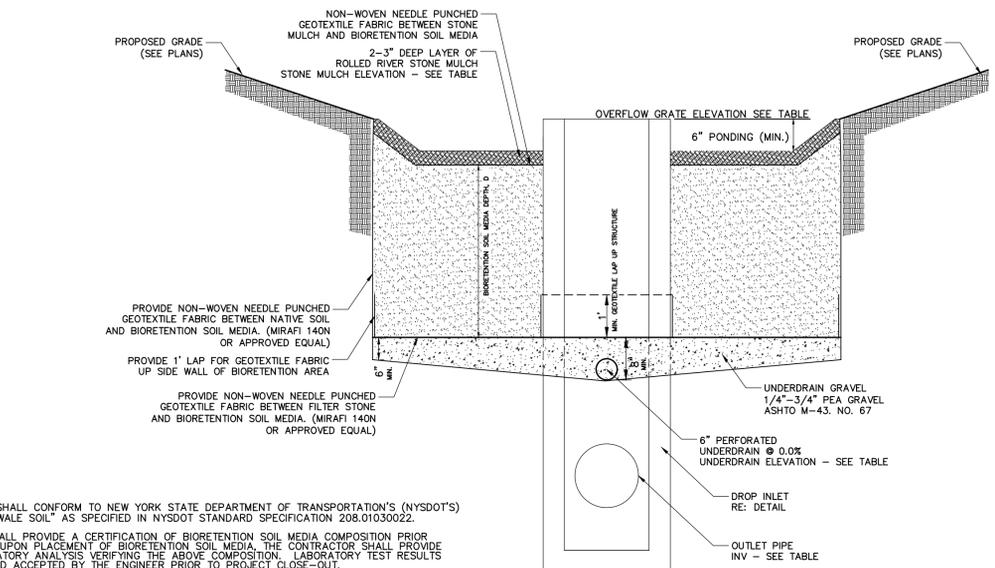
3 DECIDUOUS PLANTINGS



4 CONIFEROUS PLANTINGS



6 DOGHOUSE MANHOLE BASE



BIORETENTION AREA NOTES:

- BIORETENTION SOIL MEDIA:**
 - COMPOSITION** - BIORETENTION SOIL MEDIA SHALL CONFORM TO NEW YORK STATE DEPARTMENT OF TRANSPORTATION'S (NYS DOT'S) "BIORETENTION AND DRY SWALE SOIL" AS SPECIFIED IN NYS DOT STANDARD SPECIFICATION 208.01030022.
 - TESTING** - CONTRACTOR SHALL PROVIDE A CERTIFICATION OF BIORETENTION SOIL MEDIA COMPOSITION PRIOR TO THE START OF WORK. UPON PLACEMENT OF BIORETENTION SOIL MEDIA, THE CONTRACTOR SHALL PROVIDE A MINIMUM OF ONE LABORATORY ANALYSIS VERIFYING THE ABOVE COMPOSITION. LABORATORY TEST RESULTS SHALL BE PROVIDED TO AND ACCEPTED BY THE ENGINEER PRIOR TO PROJECT CLOSE-OUT.
 - PLACEMENT** - IT IS VERY IMPORTANT TO MINIMIZE COMPACTION OF THE BIORETENTION SOIL MEDIA DURING PLACEMENT. PLACE BIORETENTION SOIL MEDIA IN LIFTS NO LESS THAN 12" BY HAND OR LIGHT/COMPACT LOADER. DO NOT USE HEAVY EQUIPMENT WITHIN BIORETENTION AREA.
- MULCH:** ROLLED RIVER STONE, MIX OF 1-3" DIAMETER STONES.
- CONSTRUCTION SEQUENCE:** THE BIORETENTION AREA MAY NOT BE CONSTRUCTED UNTIL ALL CONTRIBUTING DRAINAGE AREA(S) HAVE BEEN STABILIZED.
- LANDSCAPING:** REFER TO LANDSCAPING PLAN FOR PLANTINGS WITHIN THE BIORETENTION AREA.

BIORETENTION DESIGN SUMMARY:

AREA DESIGNATION	AREA #1
SURFACE AREA	1140 SF
SOIL MEDIA DEPTH, D	2.5'
UNDERDRAIN ELEVATION	1011.50
OVERFLOW GRATE ELEVATION	1015.50
STONE MULCH ELEVATION (TOP OF STONE)	1015.00
OUTLET PIPE INVERT	RE: UTILITY PLAN

5 BIORETENTION AREA

JOB NO:	1495-22
SCALE:	1"=30'
DRAWN:	RLJ
DESIGNED:	AMF
DATE:	8/30/23

REVISIONS		
DATE	BY	REVISION
9/21/23	AF	TOWN SUBMITTAL
10/11/23	AF	TOWN SUBMITTAL

THIS IS A NOTIFICATION OF NEW YORK STATE DEPARTMENT OF TRANSPORTATION'S (NYS DOT) STANDARD SPECIFICATION 208.01030022 FOR BIORETENTION AND DRY SWALE SOIL. THE DESIGNER HAS REVIEWED THE DESIGN AND SPECIFICATIONS AND HAS FOUND THEM TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE SPECIFICATION. THE DESIGNER'S REVIEW IS LIMITED TO THE DESIGN AND SPECIFICATIONS AND DOES NOT CONSTITUTE A GUARANTEE OF THE ACCURACY OF THE INFORMATION PROVIDED HEREIN. THE USER OF THIS INFORMATION SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF THE INFORMATION AND FOR OBTAINING NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.

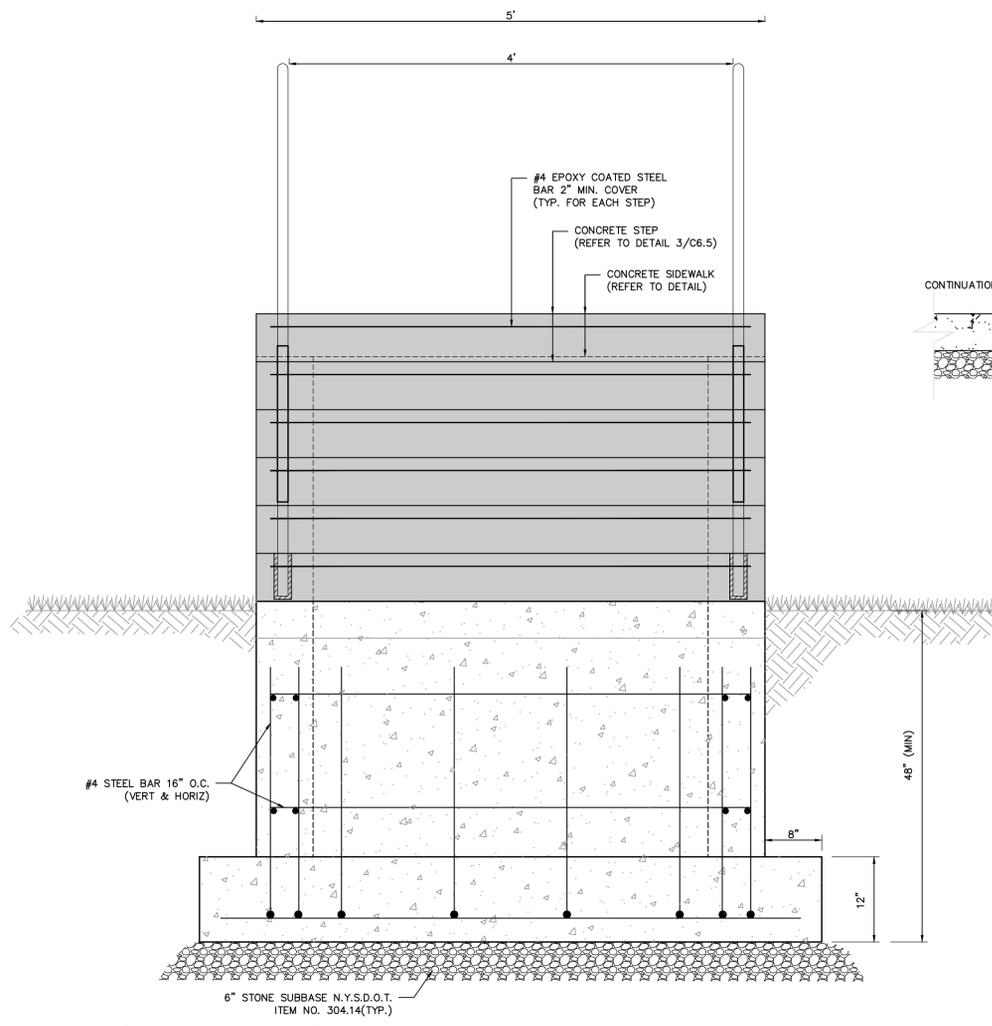
COPYRIGHT © 2023 MARATHON ENG.

ADAM M. FISHEL

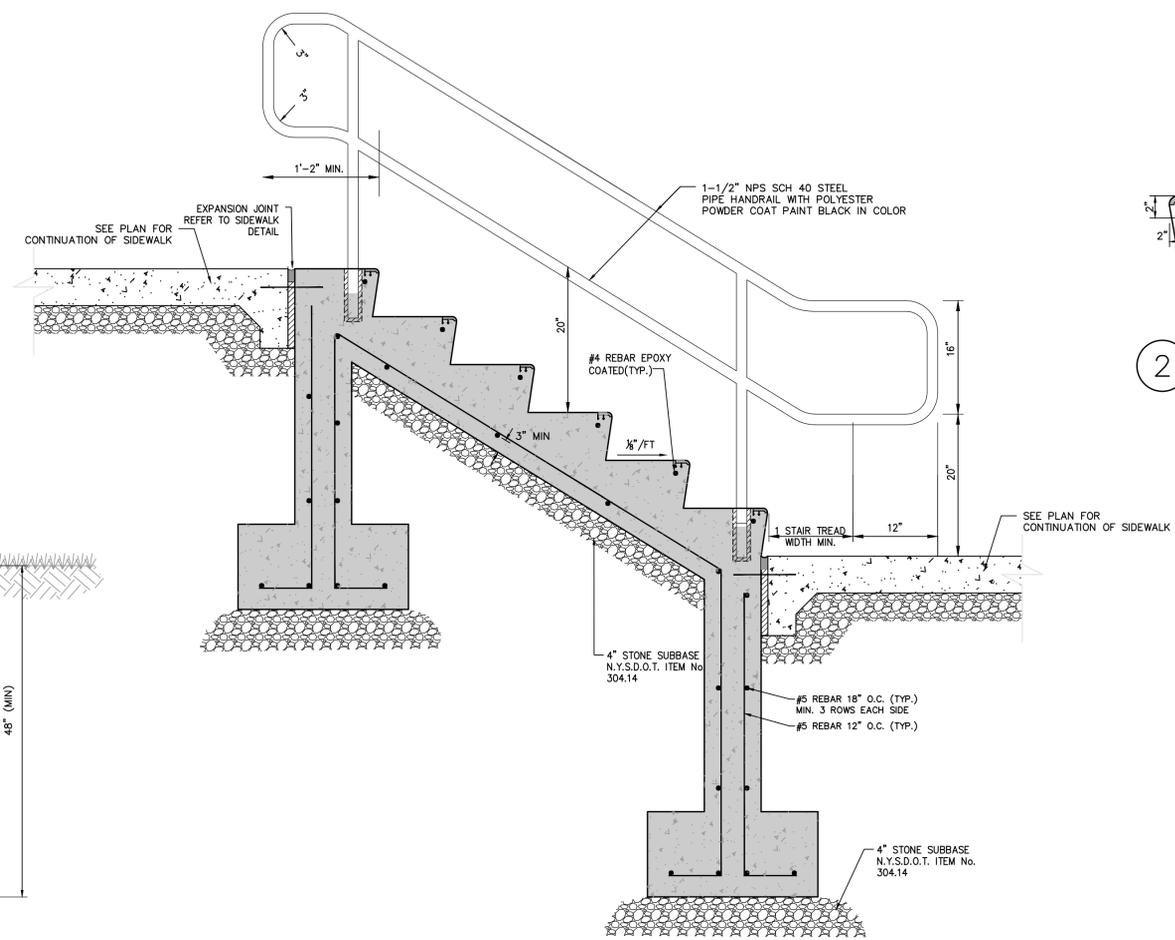
DRAWING TITLE:
 Detail Sheet (5 of 6)

13 of 18	C-6.4
SHEET No:	
1495-22	DRAWING No:
JOB No:	

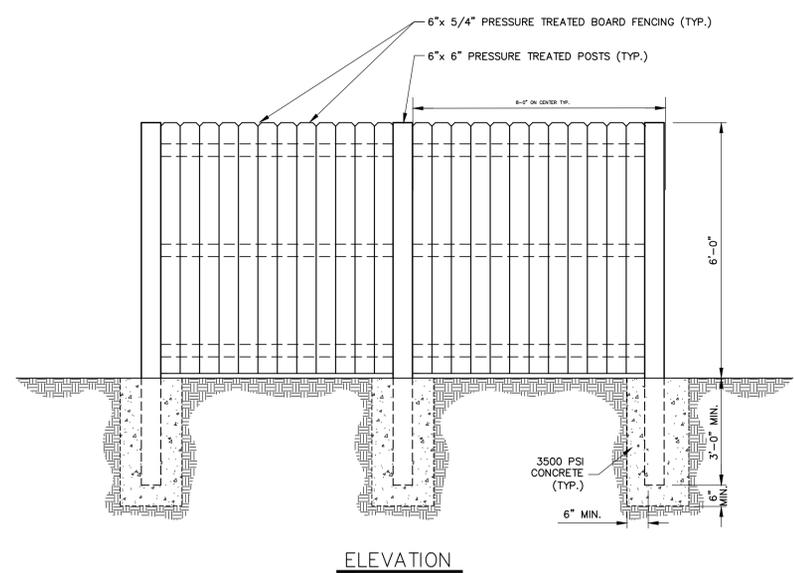
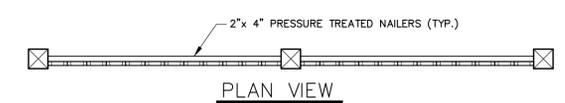
File: I:\Engineering\Job_Files\1495-22\Drawings\Sheets\C-6.5 Detail Sheet (6 of 6).dwg, Last saved: 10/10/2023, Plot Date: 10/11/2023, By: AFISHEL, Plot Style: MARATHON_STANDARD.CTB



1 CONCRETE STAIRS



2 STEP DETAIL



2 BOARD ON BOARD FENCE

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

STATE OF NEW YORK
 TOMPKINS COUNTY
 1061 DRYDEN ROAD (NYS ROUTE 366)
EVERGREEN APARTMENTS / PG DRYDEN, LLC
 SITE DEVELOPMENT PLANS

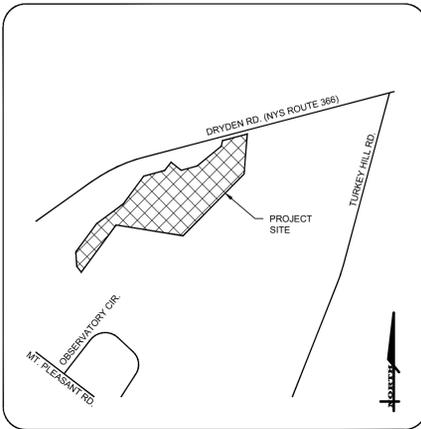
JOB NO: 1495-22
 SCALE: 1"=30'
 DRAWN: RLJ
 DESIGNED: AMF
 DATE: 8/30/23

REVISIONS		
DATE	BY	REVISION
9/21/23	AF	TOWN SUBMITTAL
10/11/23	AF	TOWN SUBMITTAL

ADAM M. FISHEL
 PROFESSIONAL ENGINEER
 NO. 086648
 NOT FOR CONSTRUCTION

DRAWING TITLE:
 Detail Sheet (6 of 6)

13 of 17
 SHEET No: **C-6.5**
 JOB No: 1495-22
 DRAWING No:



LOCATION MAP
N.T.S.

VEGETATION MANAGEMENT:

PG DRYDEN, LLC IS RESPONSIBLE FOR MAINTAINING VEGETATION (IE ROUTINE TRIMMING) TO LIMIT LINE OF SIGHT REDUCTIONS DUE TO VEGETATION OVERGROWTH.

NOTES

- REFER TO SHEET C-7.1 FOR GENERAL DRIVEWAY NOTES, MAINTENANCE AND PROTECTION OF TRAFFIC, ETC.
- THE POSTED SPEED LIMIT OF DRYDEN ROAD (NYS ROUTE 366) ALONG THE PROPERTY FRONTAGE IS 45 MPH.
- THE CONTRACTOR SHALL REFER TO NYSDOT STANDARD SHEETS 608-03 FOR DRIVEWAY CONSTRUCTION DETAILS WITHIN THE NYSDOT RIGHT OF WAY.
- REFER TO THE DEMOLITION PLAN (SHEET C-1.0) FOR ADDITIONAL INFORMATION ASSOCIATED WITH THE DEMOLITION AND/OR REMOVAL OF EXISTING SITE AND UTILITY FEATURES.
- NO EXCAVATIONS SHALL BE LEFT OPEN OVER NIGHT.
- REFER TO THE DEMOLITION PLAN (SHEET C-1.0) FOR DEMOLITION OF SITE FEATURES WITHIN THE NYSDOT RIGHT-OF-WAY ASSOCIATED WITH THE DRIVEWAY CONSTRUCTION SHOWN ON THIS PLAN.
- REFER TO THE SITE PLAN (SHEET C-2.0) FOR SIDEWALK WORK WITHIN THE NYSDOT RIGHT-OF-WAY.

NYSDOT EARTHWORK, TOPSOIL AND TURF SPECIFICATIONS

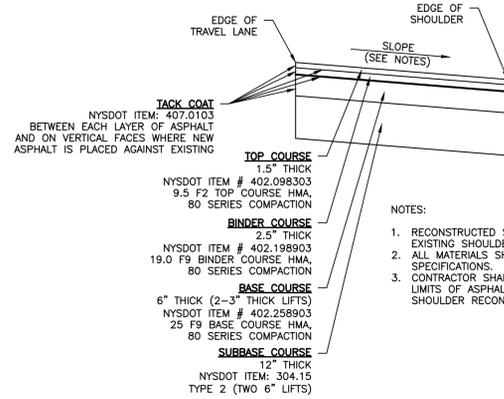
EARTHWORK: PERFORM EXCAVATION & BACKFILL WITHIN NYSDOT RIGHT-OF-WAY IN ACCORDANCE WITH NYSDOT STANDARD SPECIFICATION SECTION 200 (TYP.)

NYSDOT TOPSOIL: TOPSOIL PLACED WITHIN NYSDOT RIGHT-OF-WAY SHALL CONFORM TO NYSDOT ITEM #610.14X.

ESTABLISH TURF: GRASS TURF ESTABLISHMENT WITHIN NYSDOT RIGHT-OF-WAY SHALL CONFORM TO NYSDOT ITEM #610.16X.

SIGHT DISTANCES:

- DRIVEWAY -**
STOPPING SIGHT DISTANCE EAST BOUND ±523'
INTERSECTION SIGHT DISTANCE EAST BOUND ±523'
STOPPING SIGHT DISTANCE WEST BOUND ±780'
INTERSECTION SIGHT DISTANCE WEST BOUND ±780'
- CROSS WALK -**
STOPPING SIGHT DISTANCE EAST BOUND >500'
INTERSECTION SIGHT DISTANCE EAST BOUND >500'
STOPPING SIGHT DISTANCE WEST BOUND >500'
INTERSECTION SIGHT DISTANCE WEST BOUND >500'

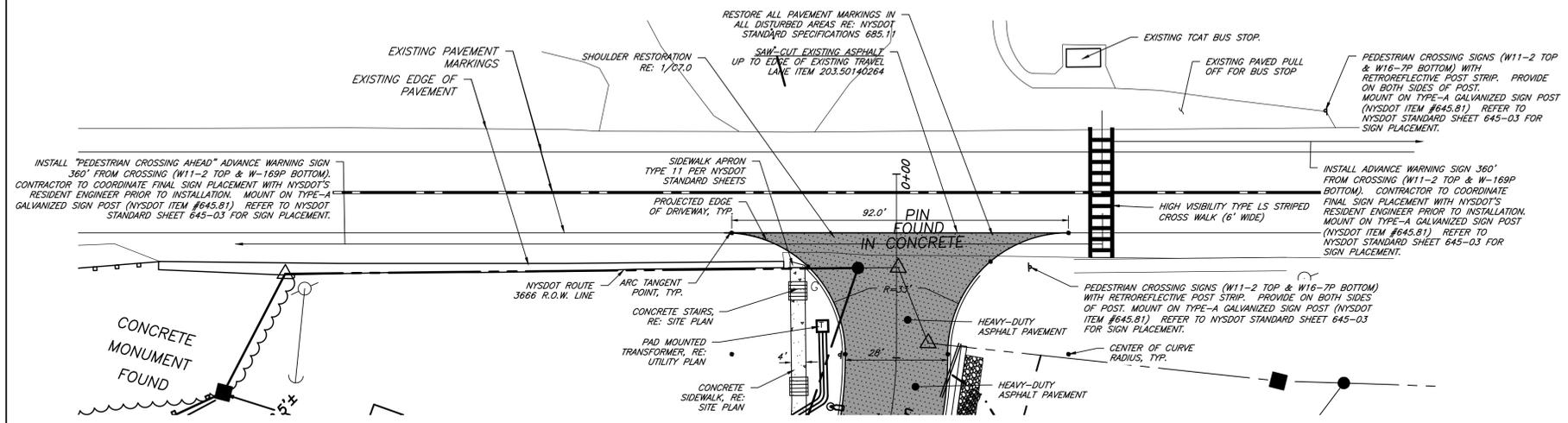


- NOTES:**
- RECONSTRUCTED SHOULDER CROSS SLOPE TO MATCH EXISTING SHOULDER CROSS SLOPE.
 - ALL MATERIALS SHALL CONFORM TO NYSDOT STANDARD SPECIFICATIONS.
 - CONTRACTOR SHALL SAW-CUT EXISTING ASPHALT AT LIMITS OF ASPHALT REMOVAL WITHIN AREA OF SHOULDER RECONSTRUCTION.

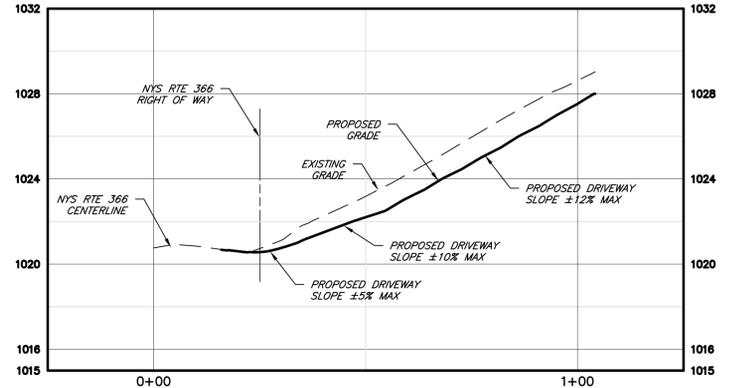
MERIDIAN OF SURVEY MAP LANDS OF WAYNE & HEIDI WOODWARD... DATED 11/8/2013 BY MICHAEL J. REAGAN



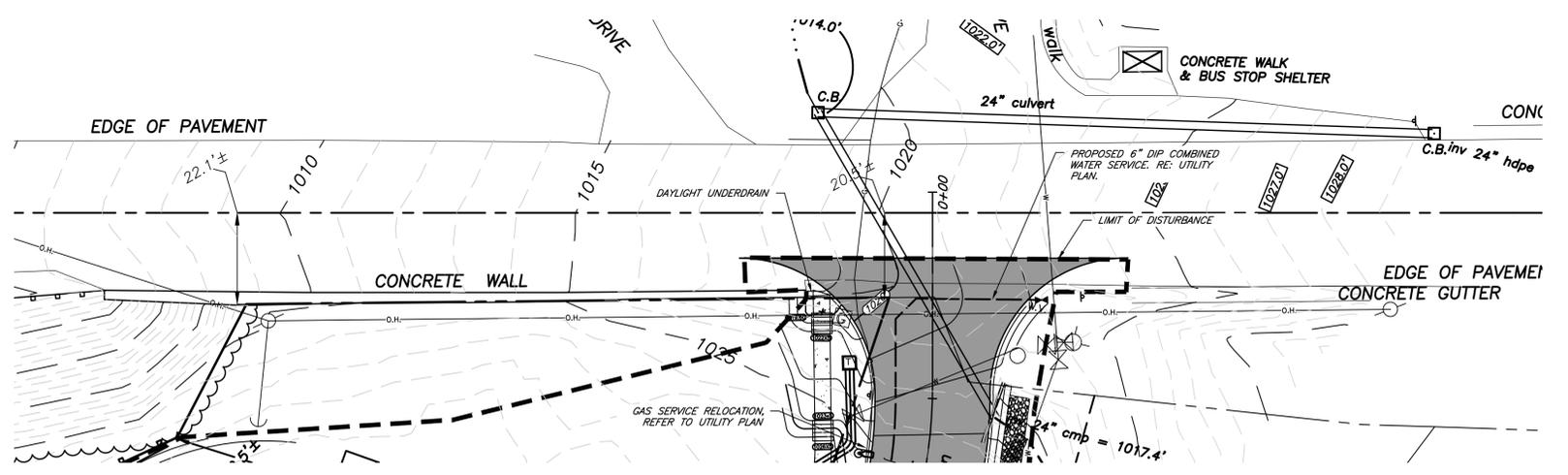
1 SHOULDER RESTORATION WITHIN NYSDOT RIGHT-OF-WAY
SCALE: N.T.S.



DRIVEWAY LAYOUT PLAN



DRIVEWAY PROFILE
SCALE: 1"=4' VERTICAL
1"=20' HORIZONTAL



DRIVEWAY GRADING & UTILITY PLAN

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

SITE DEVELOPMENT PLANS
for
EVERGREEN APARTMENTS / PG DRYDEN, LLC
1061 DRYDEN ROAD (NYS ROUTE 366)
TOMPKINS COUNTY
STATE OF NEW YORK
TOWN OF DRYDEN

JOB NO: 1495-22
SCALE: 1" = 30'
DRAWN: RLJ
DESIGNED: AMF
DATE: 8/30/23

REVISIONS

DATE	BY	REVISION
9/21/23	AF	TOWN SUBMITTAL
10/11/23	AF	TOWN SUBMITTAL

THIS IS A SEPARATE NEW YORK STATE ENGINEERING DRAWING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.

COPYRIGHT © 2023 MARATHON ENG.
NOT FOR CONSTRUCTION
ADAM M. FISHEL
PROFESSIONAL ENGINEER
NO. 086648

DRAWING TITLE:
Driveway Plan
(1 of 3)

15 of 18
SHEET No: **C-7.0**
JOB No: 1495-22
DRAWING No:

File: I:\Engineering\Job Files\1495-22\Drawings\Sheets\C-7.0 Driveway Plan (1 of 3).dwg, Last saved: 10/10/2023, Plot Date: 10/12/2023, Plot Style: ---

JOB NO: 1495-22
 SCALE: NA
 DRAWN: RLJ
 DESIGNED: AMF
 DATE: 8/30/23

REVISIONS		
DATE	BY	REVISION
9/21/23	AF	TOWN SUBMITTAL
10/11/23	AF	TOWN SUBMITTAL

ADAM M. FISHEL
 PROFESSIONAL ENGINEER
 NO. 086646
 STATE OF NEW YORK

DRAWING TITLE:
Driveway Plan (2 of 3)

16 of 18
 SHEET No: **C-7.1**
 1495-22
 JOB No: DRAWING No:

SIGN	SIGN DESCRIPTION	COLOR CODE	NON-FREEMAY	EXPRESSWAY	FREEMAY
WZ-1	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'
WZ-2	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'
WZ-3	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'
WZ-4	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'
WZ-5	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'

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

SIGN	SIGN DESCRIPTION	COLOR CODE	NON-FREEMAY	EXPRESSWAY	FREEMAY
WZ-6	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'
WZ-7	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'
WZ-8	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'
WZ-9	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'
WZ-10	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'

SIGN	SIGN DESCRIPTION	COLOR CODE	NON-FREEMAY	EXPRESSWAY	FREEMAY
WZ-11	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'
WZ-12	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'
WZ-13	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'
WZ-14	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'
WZ-15	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'

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

SIGN	SIGN DESCRIPTION	COLOR CODE	NON-FREEMAY	EXPRESSWAY	FREEMAY
WZ-16	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'
WZ-17	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'
WZ-18	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'
WZ-19	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'
WZ-20	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'

SIGN	SIGN DESCRIPTION	COLOR CODE	NON-FREEMAY	EXPRESSWAY	FREEMAY
WZ-21	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'
WZ-22	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'
WZ-23	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'
WZ-24	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'
WZ-25	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'

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

SIGN	SIGN DESCRIPTION	COLOR CODE	NON-FREEMAY	EXPRESSWAY	FREEMAY
WZ-26	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'
WZ-27	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'
WZ-28	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'
WZ-29	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'
WZ-30	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'

SIGN	SIGN DESCRIPTION	COLOR CODE	NON-FREEMAY	EXPRESSWAY	FREEMAY
WZ-31	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'
WZ-32	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'
WZ-33	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'
WZ-34	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'
WZ-35	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'

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

SIGN	SIGN DESCRIPTION	COLOR CODE	NON-FREEMAY	EXPRESSWAY	FREEMAY
WZ-36	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'
WZ-37	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'
WZ-38	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'
WZ-39	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'
WZ-40	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'

SIGN	SIGN DESCRIPTION	COLOR CODE	NON-FREEMAY	EXPRESSWAY	FREEMAY
WZ-41	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'
WZ-42	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'
WZ-43	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'
WZ-44	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'
WZ-45	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'

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

SIGN	SIGN DESCRIPTION	COLOR CODE	NON-FREEMAY	EXPRESSWAY	FREEMAY
WZ-46	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'
WZ-47	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'
WZ-48	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'
WZ-49	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'
WZ-50	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'

SIGN	SIGN DESCRIPTION	COLOR CODE	NON-FREEMAY	EXPRESSWAY	FREEMAY
WZ-51	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'
WZ-52	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'
WZ-53	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'
WZ-54	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'
WZ-55	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'

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

SIGN	SIGN DESCRIPTION	COLOR CODE	NON-FREEMAY	EXPRESSWAY	FREEMAY
WZ-56	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'
WZ-57	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'
WZ-58	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'
WZ-59	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'
WZ-60	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'

SIGN	SIGN DESCRIPTION	COLOR CODE	NON-FREEMAY	EXPRESSWAY	FREEMAY
WZ-61	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'
WZ-62	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'
WZ-63	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'
WZ-64	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'
WZ-65	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'

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

SIGN	SIGN DESCRIPTION	COLOR CODE	NON-FREEMAY	EXPRESSWAY	FREEMAY
WZ-66	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'
WZ-67	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'
WZ-68	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'
WZ-69	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'
WZ-70	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'

SIGN	SIGN DESCRIPTION	COLOR CODE	NON-FREEMAY	EXPRESSWAY	FREEMAY
WZ-71	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'
WZ-72	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'
WZ-73	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'
WZ-74	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'
WZ-75	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'

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

SIGN	SIGN DESCRIPTION	COLOR CODE	NON-FREEMAY	EXPRESSWAY	FREEMAY
WZ-76	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'
WZ-77	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'
WZ-78	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'
WZ-79	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'
WZ-80	ROAD CLOSED	A	30'x30'	48'x48'	48'x48'

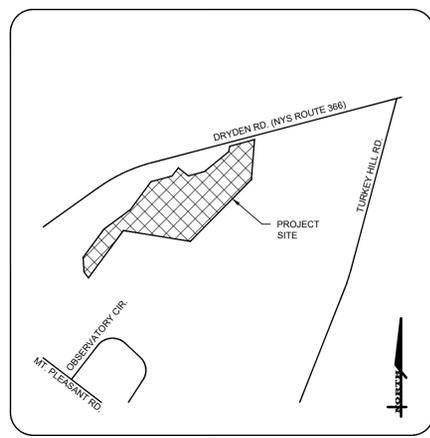
CLOSURE TYPE	DURATION	MOBILE WORK THAT IMPROVES THROUGHPUT OR CONTINGENCY, WHERE THE WORK IS AT AN SPECIFIC LOCATION FOR UP TO 1 HOUR		SHORT TERM WORK THAT OCCUPIES A LOCATION FOR UP TO 1 HOUR		INTERMEDIATE TERM WORK THAT OCCUPIES A LOCATION FOR MORE THAN 1 HOUR BUT LESS THAN 3 CONSECUTIVE DAYS		LONG TERM WORK THAT OCCUPIES A LOCATION FOR MORE THAN 3 CONSECUTIVE DAYS	
		NON-FREEMAY	EXPRESSWAY	NON-FREEMAY	EXPRESSWAY	NON-FREEMAY	EXPRESSWAY	NON-FREEMAY	EXPRESSWAY
LANE CLOSURE OR ENCHANCEMENT	WORKERS ON FOOT OR VEHICLE EXPOSED TO TRAFFIC	P, TMA, P, TMA	P, TMA, P, TMA	P, TMA, P, TMA	P, TMA, P, TMA	P, TMA, P, TMA	P, TMA, P, TMA	P, TMA, P, TMA	P, TMA, P, TMA
SHOULDER CLOSURE OR ENCHANCEMENT	WORKERS ON FOOT OR VEHICLE EXPOSED TO TRAFFIC	P, TMA, P, TMA	P, TMA, P, TMA	P, TMA, P, TMA	P, TMA, P, TMA	P, TMA, P, TMA	P, TMA, P, TMA	P, TMA, P, TMA	P, TMA, P, TMA

PRECONSTRUCTION POSTED SPEED LIMIT (MPH)	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
25	401/2	802/3	1203/4	1604/5	2005/6	2406/7	2807/8	3208/9	3609/10	4010/11	4411/12	4812/13	5213/14	5614/15	6015/16	6416/17	6817/18

PRECONSTRUCTION POSTED SPEED LIMIT (MPH)	MINIMUM DISTANCE (FT)		MAXIMUM DISTANCE (FT)	
	MIN	MAX	MIN	MAX
25	155	4	155	4
35	250	5	250	5
45	350	6	350	6
55	450	7	450	7
65	550	8	550	8

ROAD TYPE	DISTANCE BETWEEN SIGNS (FT)		SIGN SPACING (FT)	
	A	B	A	B
URBAN (25-40 MPH)	100	100	100</	

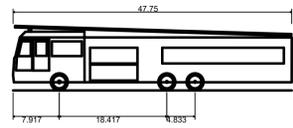
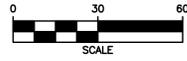
File: I:\Engineering\Job Files\1495-22\Drawings\Sheets\C-8.0 Truck Turn Plan.dwg, Last saved: 10/10/2023, Plot Date: 10/11/2023, By: AFISHEL, Plot Style: MARATHON_STANDARD.CTB



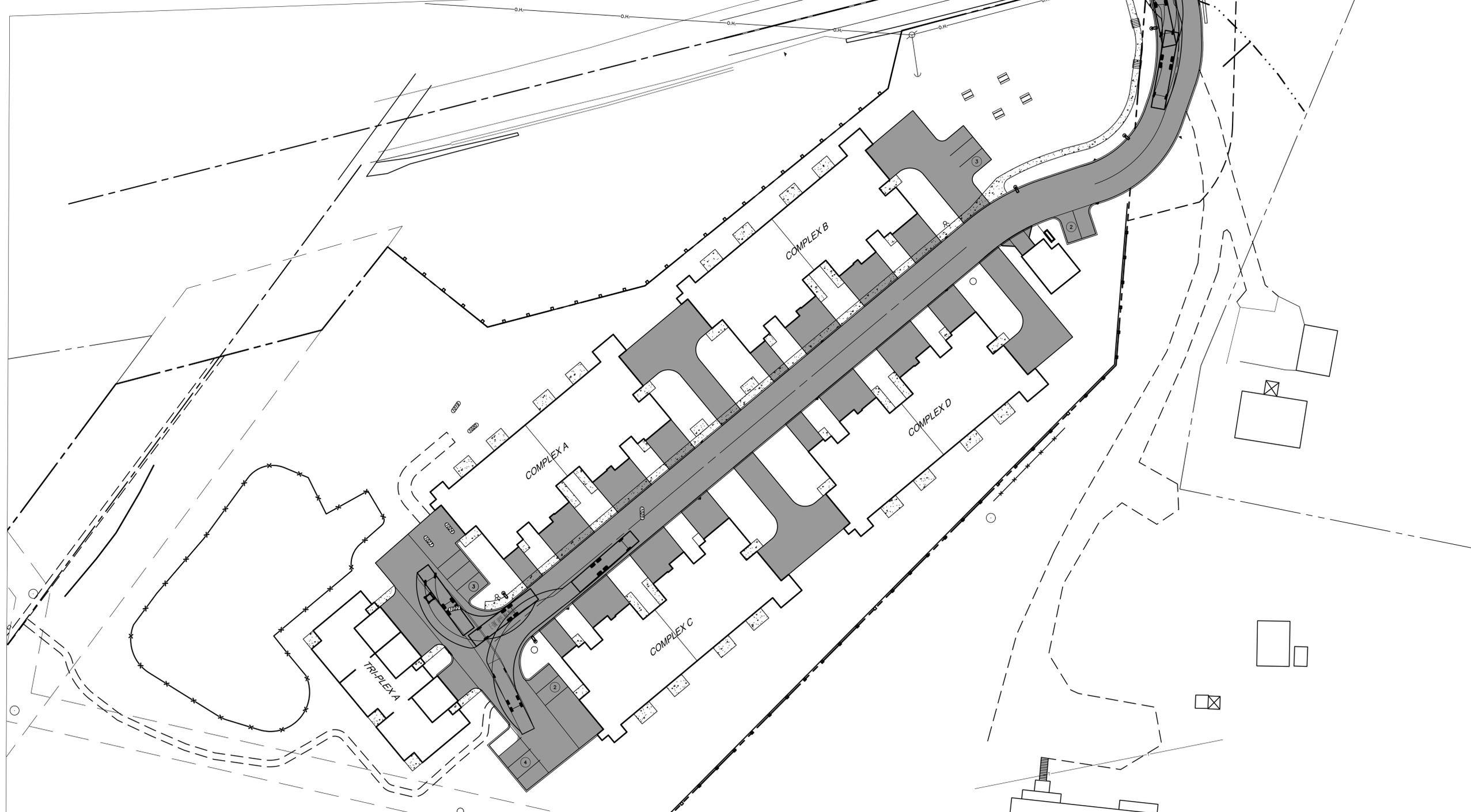
LOCATION MAP
N.T.S.



MERIDIAN OF SURVEY MAP LANDS OF
WAYNE & HEIDI WOODWARD... DATED
11/8/2013 BY MICHAEL J. REAGAN



E-ONE HP95 Mid Mount
Overall Length 47.750ft
Overall Width 8.333ft
Overall Body Height 11.000ft
Min Body Ground Clearance 1.393ft
Track Width 8.333ft
Lock-to-lock time 6.00s
Max Wheel Angle 45.00°



MARATHON ENGINEERING
ROCHESTER LOCATION
39 CASCADE DRIVE
ROCHESTER, NY 14614
585-4458-7770
ITHACA LOCATION
840 HANSHAW RD, STE 6
ITHACA, NY 14850
607-241-2917
www.marathoneng.com

SITE DEVELOPMENT PLANS
for
EVERGREEN APARTMENTS / PG DRYDEN, LLC
1061 DRYDEN ROAD (NYS ROUTE 366)
TOWN OF DRYDEN
TOMPKINS COUNTY
STATE OF NEW YORK

JOB NO: 1495-22
SCALE: 1"=30'
DRAWN: RLJ
DESIGNED: AMF
DATE: 8/30/23

REVISIONS		
DATE	BY	REVISION
9/21/23	AF	TOWN SUBMITTAL
10/11/23	AF	TOWN SUBMITTAL

THIS IS A PRELIMINARY SITE DEVELOPMENT PLAN. THE DESIGNER MAKES NO WARRANTY FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR ARCHITECT. THE DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN OF A PROFESSIONAL ENGINEER OR LAND SURVEYOR. IF ANY OTHER PERSON, THE SEAL OF A PROFESSIONAL ENGINEER OR LAND SURVEYOR IS USED, THE DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN OF SUCH PERSON AND THE SEAL OF SUCH PERSON. THE DESIGNER SHALL BE RESPONSIBLE FOR THE DESIGN OF SUCH PERSON AND THE SEAL OF SUCH PERSON.

COPYRIGHT © 2023 MARATHON ENG.
STATE OF NEW YORK
NOTARY
CONSTRUCTION
NO. 086648
ADAM M. FISHEL

DRAWING TITLE:
Truck Turn Plan

18 of 18
SHEET No: **C-8.0**

1495-22
JOB No: DRAWING No: