

LOCATION MAP  
NOT TO SCALE

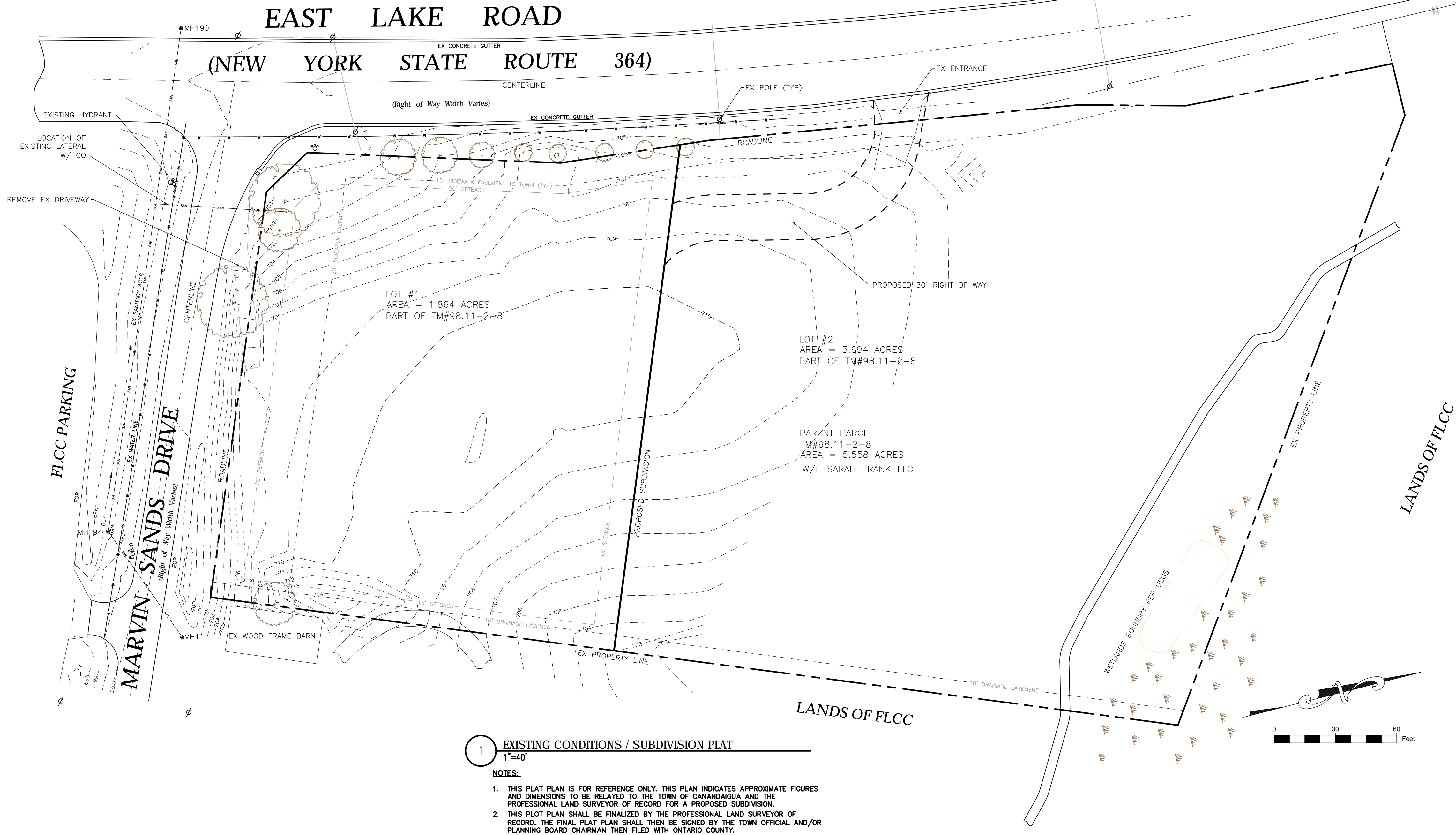
**LEGEND**

	EXISTING	<i>elec</i>	PROPOSED	
Iron pin or pipe found				Utility Lines
Benchmark				R.O.W. line
Utility pole				Property line
Hydrant				Easement line
Light pole				Centerline
PERC TEST				Drainage
DEEP HOLE				Fence Line
				Contour Line

ABBREVIATIONS:  
EX-EXISTING  
COP-CORRUGATED POLYETHYLENE PIPE  
O.C.-ON CENTER  
SICPP-SMOOTH INTERIOR CORRUGATED POLYETHYLENE PIPE  
UG-UNDERGROUND  
CONC-CONCRETE

CO-CLEAN OUT  
TYP-TYPICAL  
R-RADIUS  
BC-BOTTOM OF CURB  
TC-TOP OF CURB  
TW-TOP OF WALL  
BW-BOTTOM OF WALL  
BS-BOTTOM OF STAIRS

PERF-PERFORATED  
MIN-MINIMUM  
MAX-MAXIMUM  
INV-INVERT  
CB-CATCH BASIN  
MH-MANHOLE  
DI-DRAINAGE INLET



- 1 EXISTING CONDITIONS / SUBDIVISION PLAT  
1"=40'
- NOTES:
- THIS PLAT PLAN IS FOR REFERENCE ONLY. THIS PLAN INDICATES APPROXIMATE FIGURES AND DIMENSIONS TO BE RELAYED TO THE TOWN OF CANANDAIGUA AND THE PROFESSIONAL LAND SURVEYOR OF RECORD FOR A PROPOSED SUBDIVISION.
  - THIS PLOT PLAN SHALL BE FINALIZED BY THE PROFESSIONAL LAND SURVEYOR OF RECORD. THE FINAL PLAT PLAN SHALL THEN BE SIGNED BY THE TOWN OFFICIAL AND/OR PLANNING BOARD CHAIRMAN THEN FILED WITH ONTARIO COUNTY.

**MarksEngineering**  
42 BEEMAN STREET  
CANADAIGUA, NY 1424  
(585) 905-0360  
INFO@MARKSENGINEERING.COM

REVISIONS AND APPROVALS	
NO.	DATE
1	06/22/18

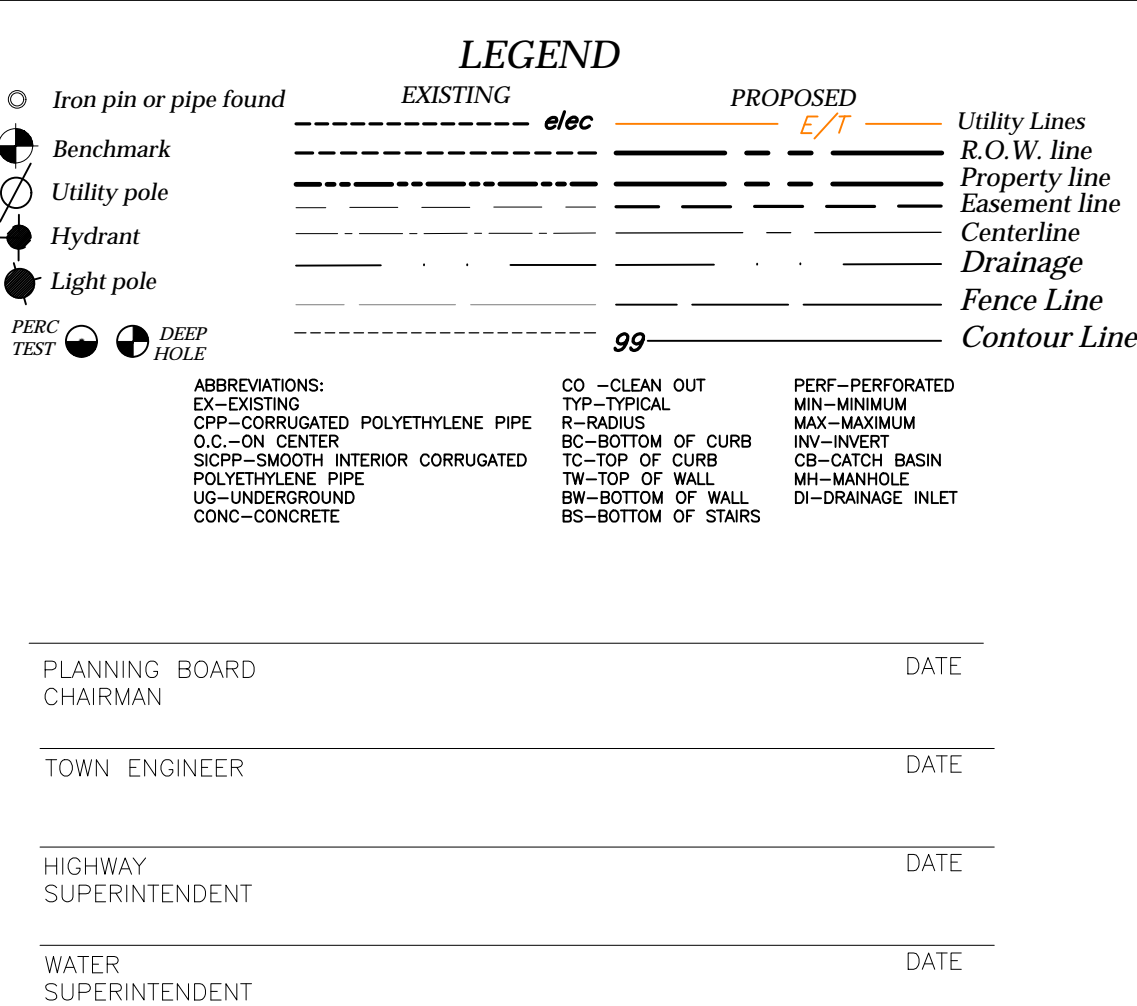
**FINAL SITE PLAN FOR:**  
**STAR CIDER**  
NEW RESEARCH & TASTING FACILITY  
3385 EAST LAKE RD  
TOWN OF CANANDAIGUA  
STATE OF NEW YORK  
COUNTY OF ONTARIO

DRAWING TITLE:  
EXISTING CONDITIONS / SUBDIVISION PLAT

DRAWN BY:	MCF
DESIGNED BY:	BAM
CHECKED BY:	BAM
SCALE:	AS NOTED
JOB NO.:	16-073
DATE:	06/15/2018
TAX MAP#:	98.11-2-8.000

**EX100**





NOT TO SCALE

SITE DATA			
	REQUIRED	PROPOSED	SITE
ZONING/USE – PRINCIPAL	R-1-20	MUO-X	BREWERY
ZONING/USE – ACCESSORY	NA	NA	NA
PRINCIPAL BUILDING SQUARE FOOTAGE			5000
FRONT SETBACK	100'	20'	144.6'
SIDE SETBACK	20'	15'	40.2'
REAR SETBACK	40'	15'	90'
BUILDING HEIGHT	35'	35'	28
BLDG LOT COVERAGE	35.00%	60%	5.50%
PARKING	1 PER 25SF (RESTAURANTS)	1 PER 25SF (OVERFLOW)**	37
ADA PARKING	4 PER 100	4 PER 100	2

\*\* 1 PER 25SF PER REQUIREMENTS (TOTALING 20) MET WITH OVERFLOW PARKING WITHIN 500' OF FRONT DOOR.

- ALL IMPROVEMENTS SHALL BE IN ACCORDANCE WITH THE MOST RECENT STANDARDS AND SPECIFICATIONS OF THE TOWN OF CANANDAIGUA AND THE APPROPRIATE WATER/SEWER AGENCIES, UNLESS OTHERWISE NOTED.
2. A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IS REQUIRED TO CONFORM WITH THE LATEST NYSDEC GENERAL PERMIT AND TO THE TOWN REQUIREMENTS REGARDING MAINTENANCE AND AND CONTROL OF STORM WATER QUALITY AND QUANTITY.
3. ALL SWPPP'S ARE REQUIRED TO BE REVIEWED AND APPROVED BY THE TOWN CEO AND TOWN ENGINEER. THE TOWN MS4 SWPPP ACCEPTANCE FORM IS TO BE SIGNED AND INSERTED INTO THE PROJECT SWPPP PRIOR TO CONSTRUCTION.
4. THE OWNER IS RESPONSIBLE FOR IMPLEMENTING THE REQUIRED SWPPP, INCLUDING FILING OF THE "NOTICE OF INTENT" (NOI). A COPY OF THE NYSDEC ACKNOWLEDGEMENT LETTER IS TO BE PROVIDED TO THE TOWN DEVELOPMENT OFFICE AND TOWN ENGINEER PRIOR TO CONSTRUCTION.
5. A COPY OF THE PROJECT SWPPP IS TO BE PROVIDED TO THE TOWN DEVELOPMENT OFFICE, TOWN ENGINEER, AND A COPY IS TO REMAIN ONSITE DURING CONSTRUCTION AT ALL TIMES IN A MARKED AND ACCESSIBLE LOCATION.
6. ANY MODIFICATIONS OR DEVIATIONS FROM THE APPROVED PLANS, CONSTRUCTION SEQUENCE, AND/OR SWPPP, INCLUDING IMPLEMENTATION OF EROSION CONTROL MEASURES AND STORM WATER MANAGEMENT AREAS, SHALL BE APPROVED BY THE TOWN OF CANANDAIGUA AND DOCUMENTED WITHIN THE PROJECT SWPPP.
7. THE OWNER IS REQUIRED TO PROVIDE DAILY ONSITE OBSERVATION BY A LICENSE PROFESSIONAL OR A CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (CPESC). ALL SWPPP INSPECTIONS ARE TO BE IN A FORM ACCEPTABLE BY THE TOWN OF CANANDAIGUA AND FORWARDED TO OWNER, THE TOWN CEO, TOWN ENGINEER, AND A COPY PLACED WITHIN THE ONSITE PROJECT SWPPP.
8. THE OWNER IS REQUIRED FOR PROVIDING ONSITE SWPPP INSPECTIONS BY A LICENSE PROFESSIONAL OR A CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (CPESC) DURING CONSTRUCTION ONCE PER WEEK (EVERY 7 DAYS) IF UNDER 5-ACRES OF DISTURBANCE AND TWICE PER WEEK (EVERY 7 DAYS) IF 5-ACRES OR MORE WITH RECEIPT OF A 5-ACRE WAIVER FROM THE TOWN OF CANANDAIGUA (MS4).
9. DEVELOPMENT IN THE CANANDAIGUA LAKE WATERSHED DISTURBING MORE THAN 5-ACRES AT ONE TIME, IS REQUIRED TO COORDINATE THE REGULAR SWPPP OBSERVATIONS REQUIRED BY THE LATEST GENERAL PERMIT WITH THE CANANDAIGUA LAKE WATERSHED INSPECTOR, THE WATERSHED PROGRAM MANAGER AND THE TOWN CODE ENFORCEMENT OFFICER.
10. CONSTRUCTION SEQUENCE - ALL PLANS ARE TO BE PROVIDED WITH A DETAILED CONSTRUCTION SEQUENCE. THE CONTRACTOR SHALL COMPLETE CONSTRUCTION AND IMPLEMENT EROSION CONTROL MEASURES IN ACCORDANCE WITH THE APPROVED CONSTRUCTION SEQUENCE UNLESS SPECIFIED OTHERWISE ON THE APPROVED DESIGN PLANS OR AT THE PRE -CONSTRUCTION MEETING.
11. DUST SHALL BE CONTROLLED DURING CONSTRUCTION BY THE CONTRACTOR TO MINIMIZE EFFECT ON THE ADJACENT PROPERTIES. THE CONTRACTOR SHALL IMPLEMENT DUST CONTROL MEASURES AS NEEDED AND/OR AS DIRECTED BY THE TOWN OF CANANDAIGUA.
12. THE OWNER'S CONTRACTOR SHALL BE RESPONSIBLE FOR THE ESTABLISHMENT, MAINTENANCE, CLEANING, REPAIR AND REPLACEMENT OF EROSION CONTROL MEASURES DURING SITE CONSTRUCTION AND UNTIL THE SITE IS FULLY STABILIZED, INSPECTED BY THE TOWN OF CANANDAIGUA, AND ISSUANCE OF THE NOTICE OF TERMINATION (NOT) HAS BEEN PROVIDED TO NYSDEC.
14. ROOF LEADERS SHOULD BE CONNECTED TO STORM SEWERS WHERE POSSIBLE, UNLESS OTHERWISE SPECIFIED ON THE APPROVED PLANS AND WITHIN THE PROJECT SWPPP.
15. NO SITE PREPARATION SHALL COMMENCE UNTIL A VISUAL INSPECTION BY THE TOWN OF CANANDAIGUA, CONFIRMS THE INSTALLATION OF PERIMETER SEDIMENT CONTROLS AND THE STABILIZED CONSTRUCTION ENTRANCE.
16. UPON COMPLETION OF CONSTRUCTION AND ESTABLISHMENT OF VEGETATION, THE STORM WATER MANAGEMENT FACILITIES SHALL BE CLEANED OF ACCUMULATED SILT.

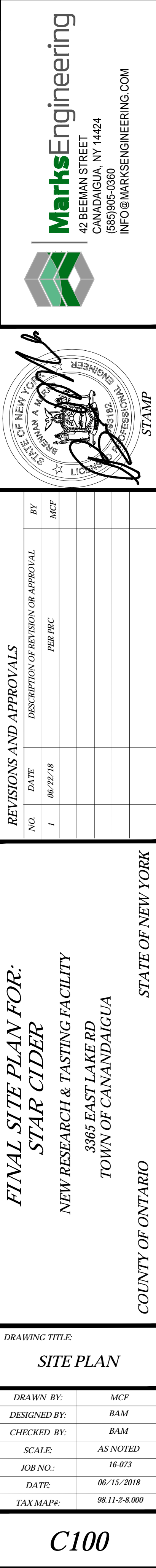
1. ALL EXTERIOR LIGHTING SHALL BE DARK SKY COMPLIANT W/ CUT-OFF TO PROHIBIT SHEDDING OF LIGHT ON TO OTHER PROPERTIES.
2. THE CONSTRUCTION SITE IS NOT WITHIN 100' OF A WETLAND AS DELINEATED BY NYS DEC. THERE ARE NO NYS DEC DELINEATED OR APPARENT WETLANDS ON THE PROPERTY AS SHOWN.
3. THE CONSTRUCTION SITE IS NOT WITHIN A 100 YEAR FLOODPLAIN AS DELINEATED BY FEMA.
4. WATER & SEWER TOWN OF CANANDAIGUA WATER & CANANDAIGUA COUNTY SEWER DISTRICT
5. TOPOGRAPHIC SURVEY OF THE SITE WAS PROVIDED BY MARKS ENGINEERING, P.C. ON 01/25/2018.
6. ELEVATIONS ARE BASED ON NAVD 88 DATUM AND COORDINATE SYSTEM IS BASED ON NAD 83 DATUM.

9. MAP OF SURVEY PREPARED FOR SARAH-FRANK, LLC BY YEARS  
BOUNDARY DATED DECEMBER 28, 2017 BEING FILE NO. YB5691.

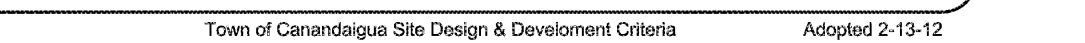
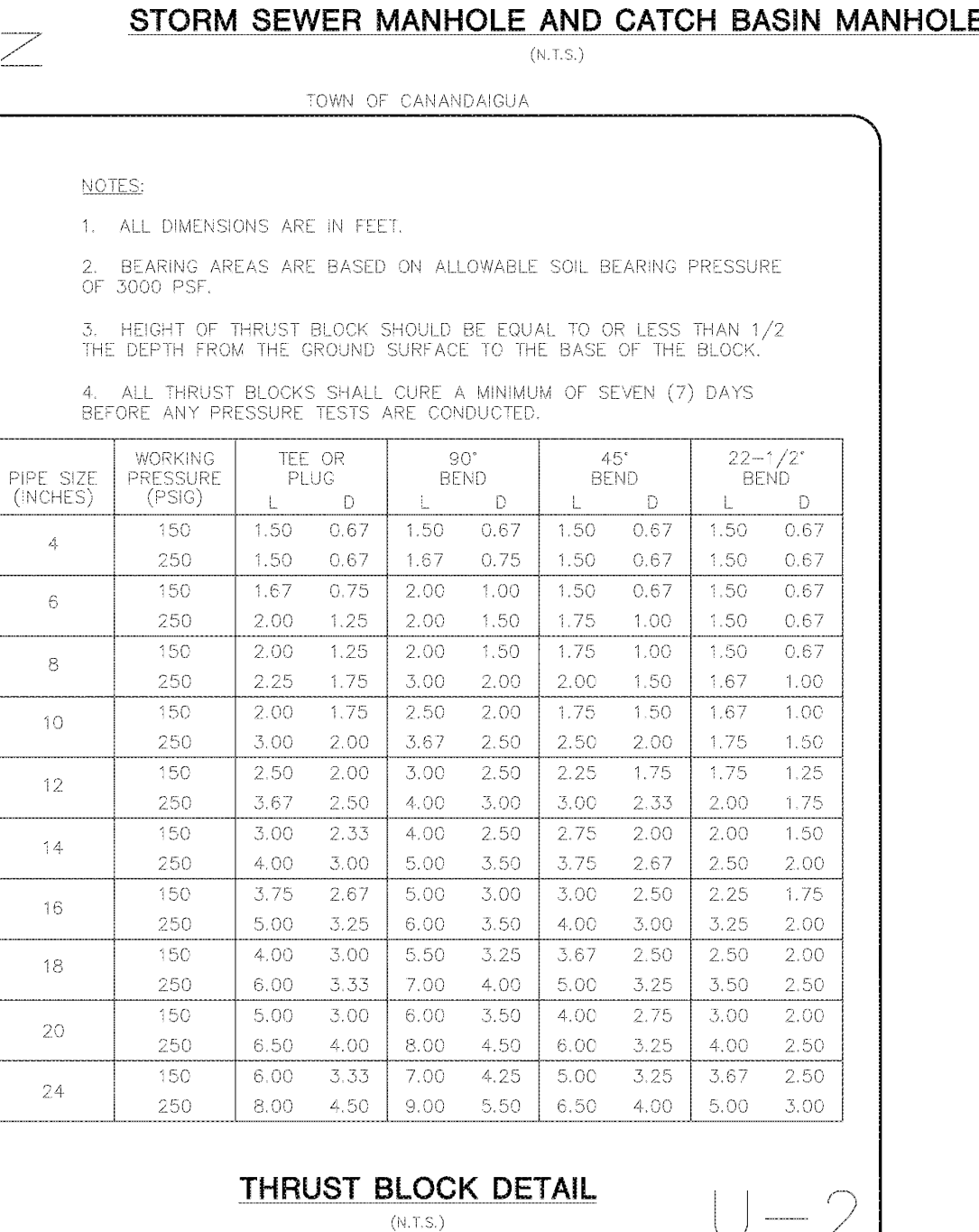
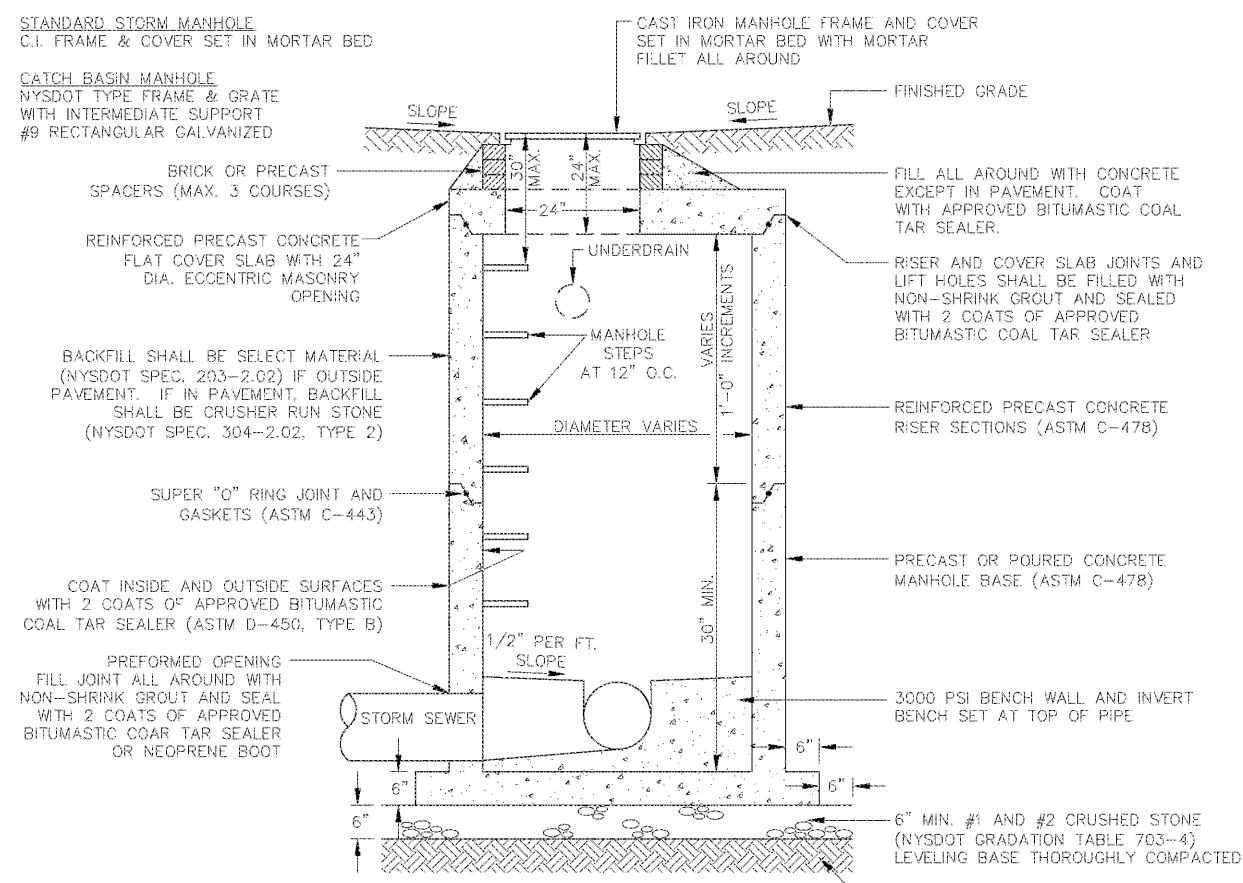
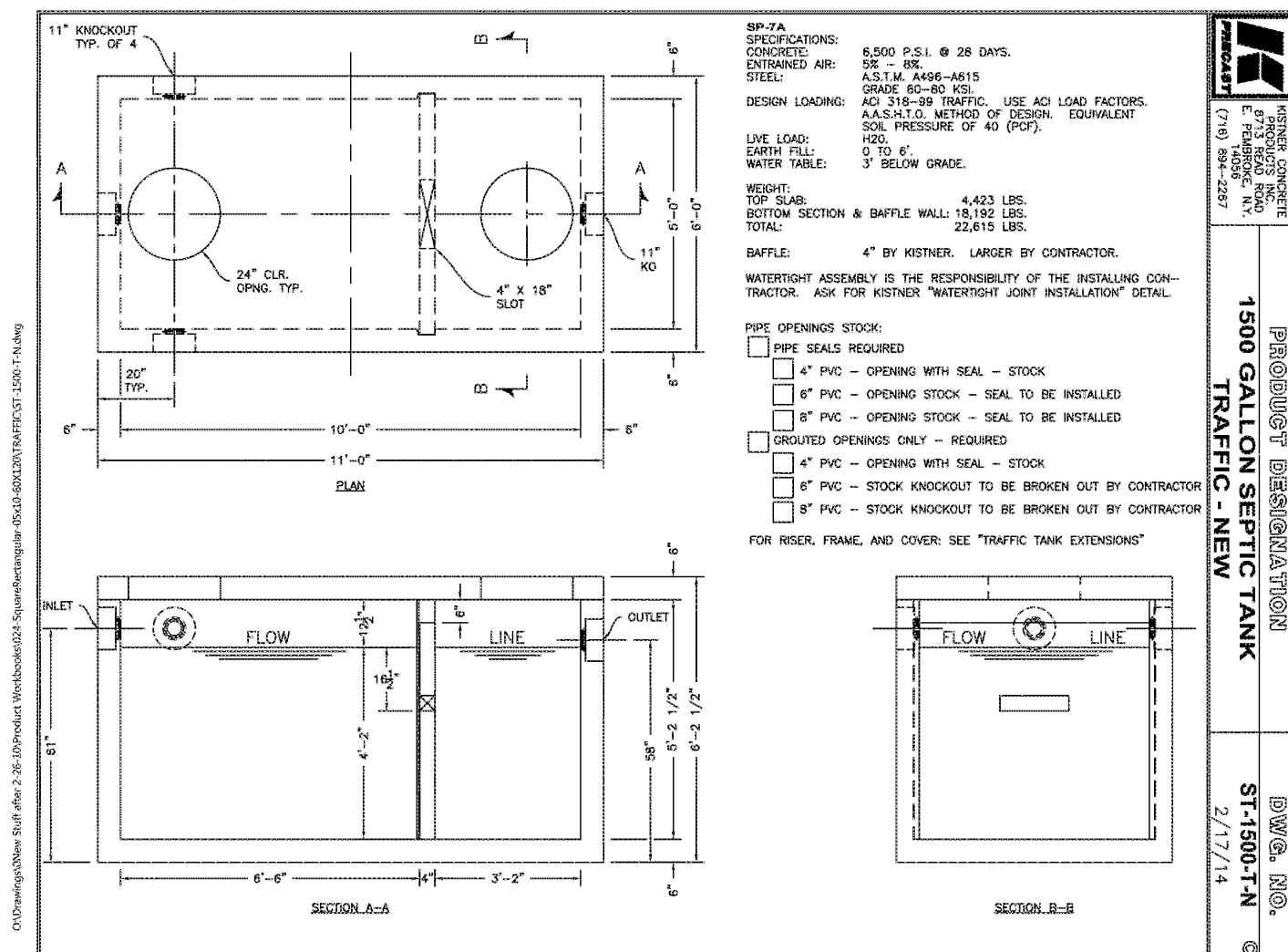
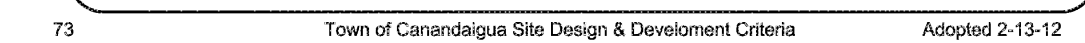
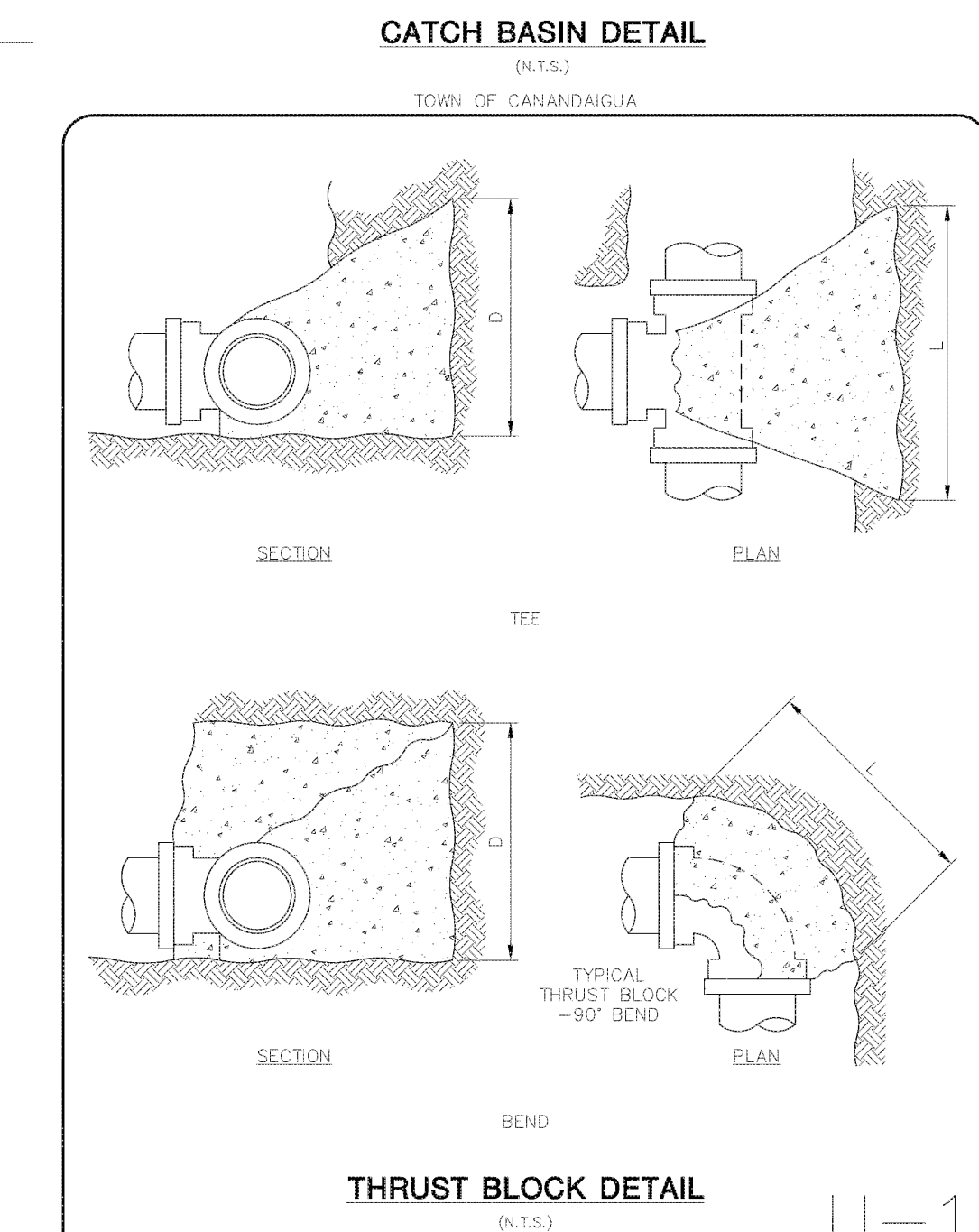
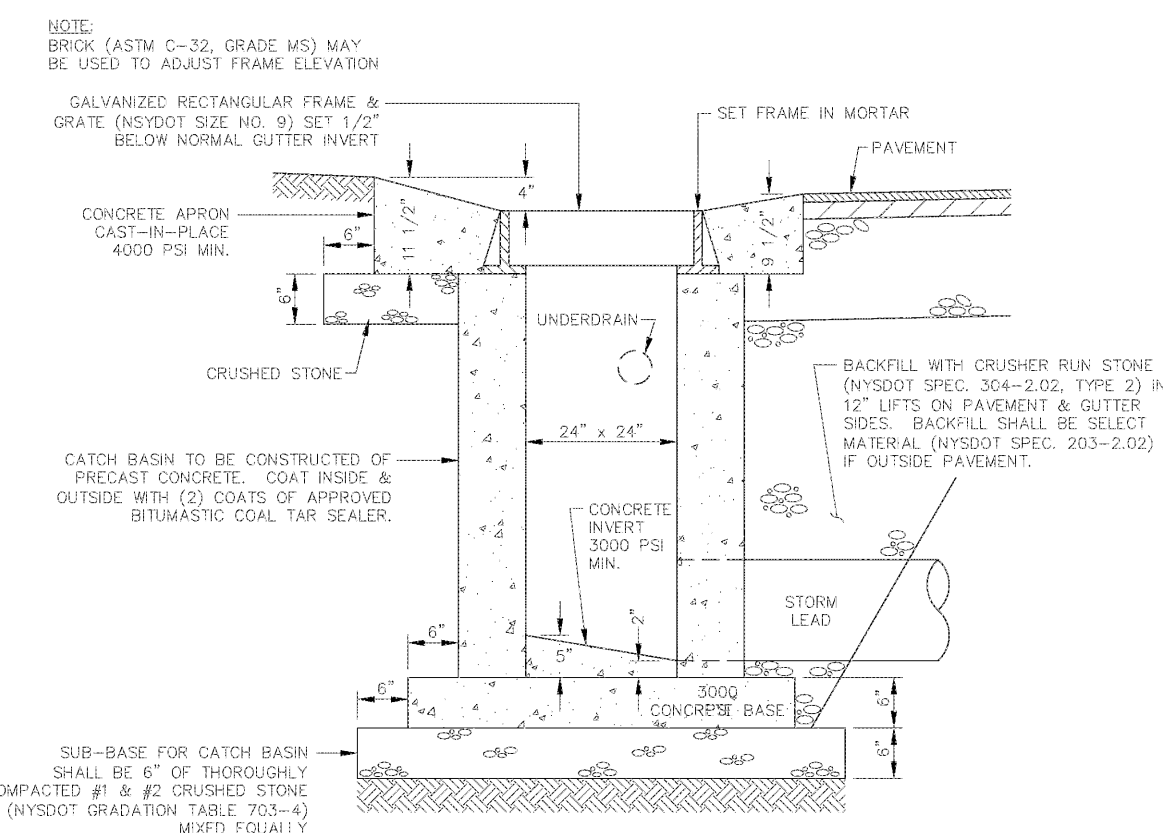
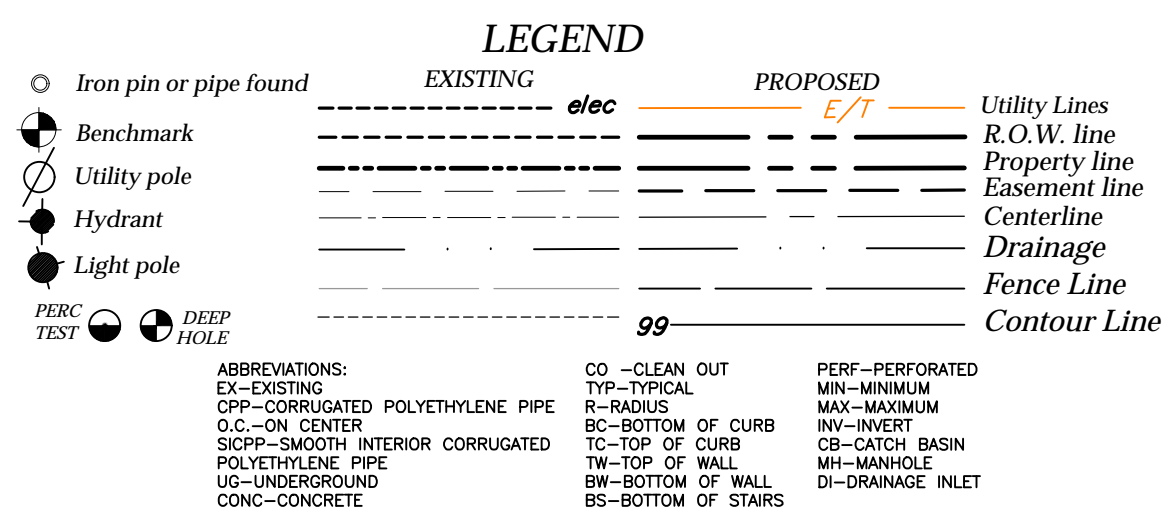
1. THE CONTRACTOR SHALL MAINTAIN ALL UTILITIES AND PROPERTY MARKERS. IT IS THE NYS LAW TO CALL NYS DIG SAFE FOR UPPO (811) PRIOR TO ANY EXCAVATION.
2. THE ROADWAY SHALL BE KEPT FREE OF DEBRIS DURING CONSTRUCTION.
3. THE CONTRACTOR IS RESPONSIBLE FOR SAFETY CONTROL DEVICES. SUCH DEVICES AS BARRIERS, CONES ETC. MUST BE IMPLEMENTED TO MINIMIZE RISK OF INJURY TO PEDESTRIANS AND WORKERS. CONSTRUCTION ACTIVITY SHALL BE CONDUCTED WITHIN COMPLIANCE WITH OSHA GUIDELINES.
4. PLANS ARE GRAPHIC REPRESENTATIONS OF WORK TO BE PERFORMED. THESE PLANS ARE TO INTENDED TO CONVEY ENGINEERING INFORMATION ONLY.
5. CONTRACTOR TO VERIFY ALL PROPERTY LINES, LOCATIONS, GRADES AND INVERTS OF EXISTING ENGINEERING. ANY DISCREPANCY MUST BE DONE AT THE RISK OF WORK.
6. ALL SPECIFIED MATERIALS ARE TO BE INSTALLED AS PER MANUFACTURES RECOMMENDATIONS OR INDUSTRY STANDARD.
7. ENGINEER DOES NOT HOLD ANY LIABILITY FOR SYSTEM FAILURE. ANY SYSTEM MODIFICATIONS OR DEVIATIONS FROM THE APPROVED PLANS, NYS BUILDING CODES, AND/OR LOCAL REGULATIONS REQUIRED BY SITE CONSTRAINTS, UNFORESEEN OBSTACLES OR CHANGES TO THE PROJECT MUST BE DONE AT THE RISK OF CLIENT.
8. ALL CONSTRUCTION SHALL COMPLY WITH CURRENT NYS AND LOCAL BUILDING CODES AS WELL AS NATIONAL ELECTRIC CODE.

1. INSTALL TEMPORARY EROSION CONTROL MEASURES INCLUDING BUT NOT LIMITED TO: SILT FENCE, STABILIZED ENTRANCES, ETC.
2. THE CONTRACTOR SHALL SELECTIVELY REMOVE VEGETATION AND ROOTS AS REQUIRED.
3. PLACE SILT FENCE FOR STOCKPILE AREA
4. STRIP TOPSOIL.
5. CONSTRUCT BUILDING AND INSTALL UTILITIES
6. MAINTAIN EROSION CONTROL PRACTICES AS NECESSARY. IF ADDITIONAL MEASURE ARE REQUIRED, THESE SHALL BE PROVIDED AT THE EXPENSE OF THE OWNER OR CONTRACTOR.
7. IN THE EVENT THERE IS A SEDIMENT DISCHARGE OR FAILURE THE CONTRACTOR OR OWNER SHALL BE RESPONSIBLE FOR RESTORATION.
8. FINAL GRADE SEED AND MULCH DISTURBED AREAS AS SOON AS POSSIBLE.
9. INSTALL DRY SWALE AFTER AREAS CONTRIBUTING TO EROSION ARE STABILIZED.
10. REMOVE TEMPORARY EROSION CONTROLS AFTER AREAS ARE STABILIZED WITH VEGETATION, STONE OR ASPHALT.

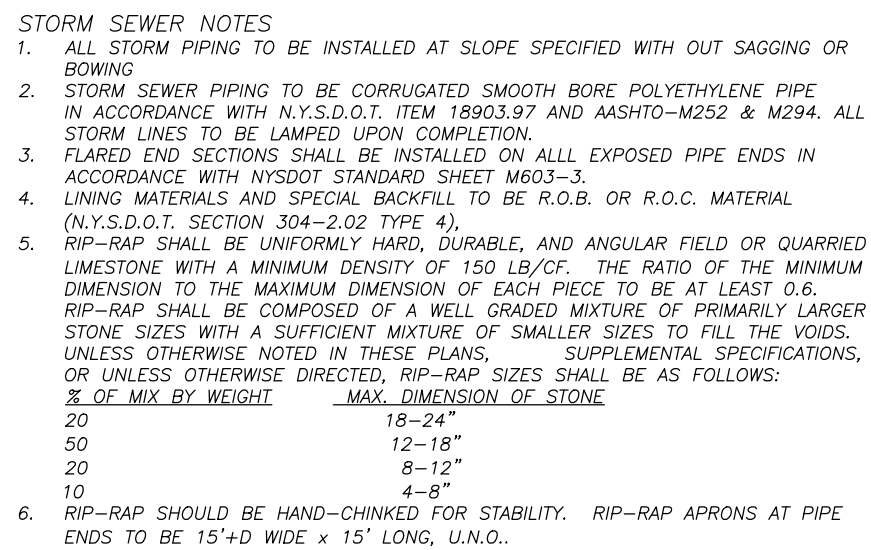
1. NO PHOSPHOROUS SHALL BE USED FOR FERTILIZER SOIL AUGMENTATION, ETC. UNLESS SOIL TESTS BY A HORTICULTURAL LABORATORY SPECIFICALLY INDICATE REQUIREMENTS FOR PLANT GROWTH. IF PHOSPHORUS IS REQUIRED IT SHALL BE APPLIED AT THE MINIMUM.



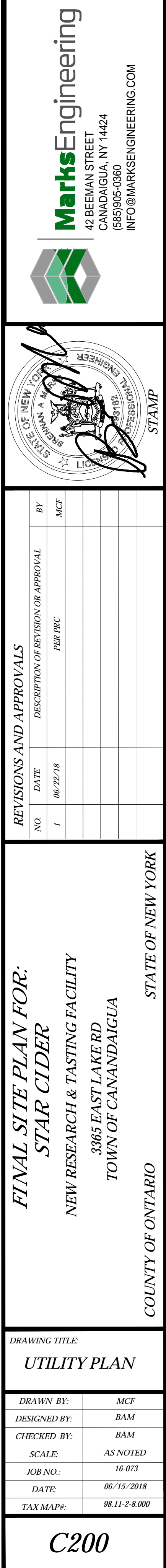
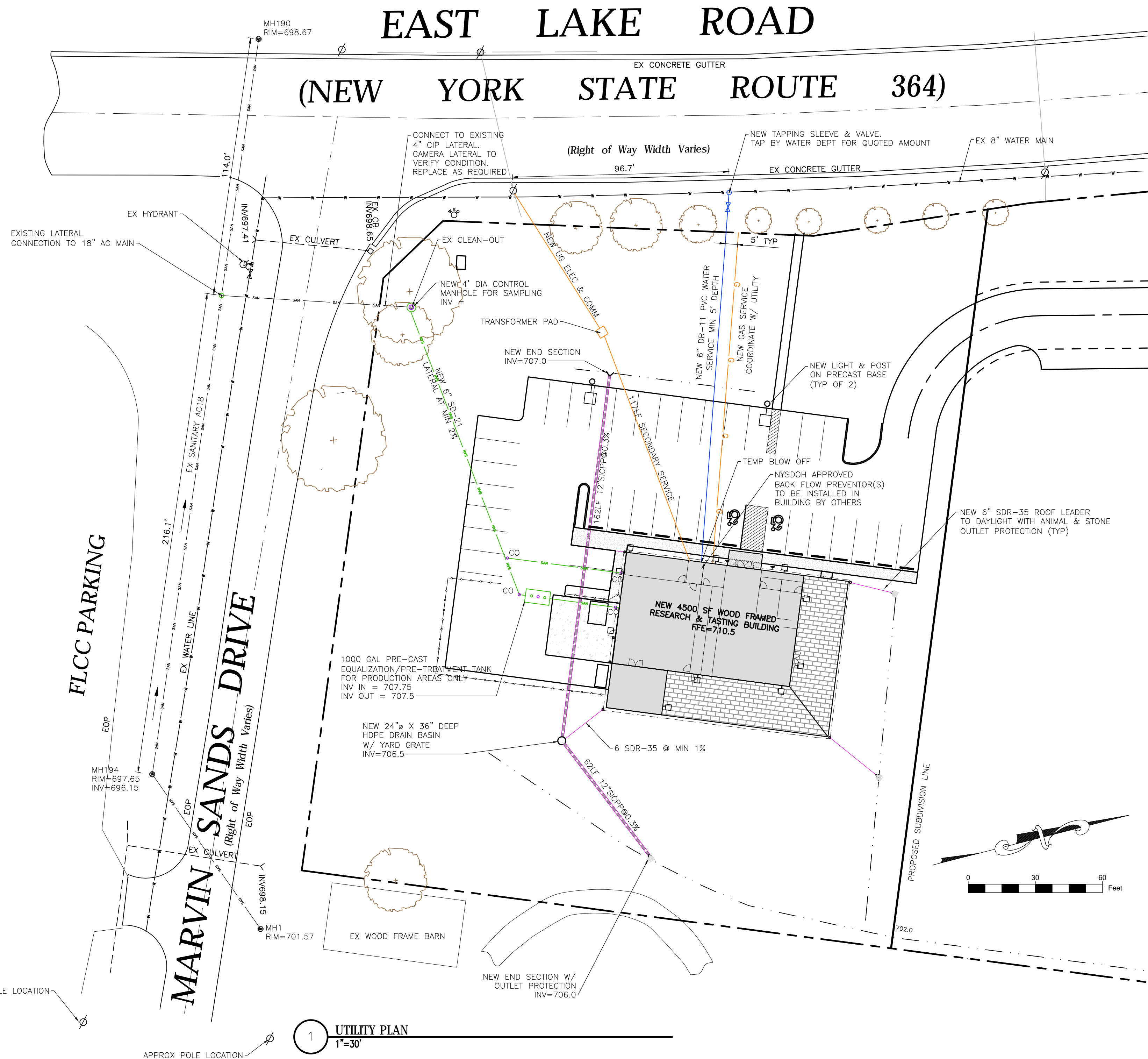
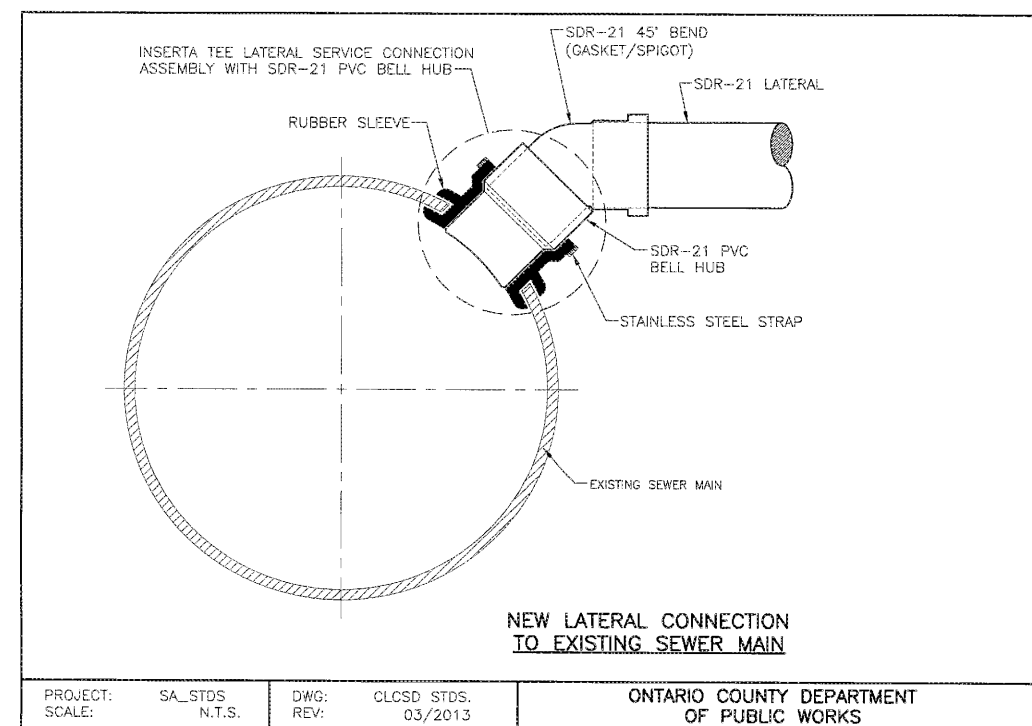




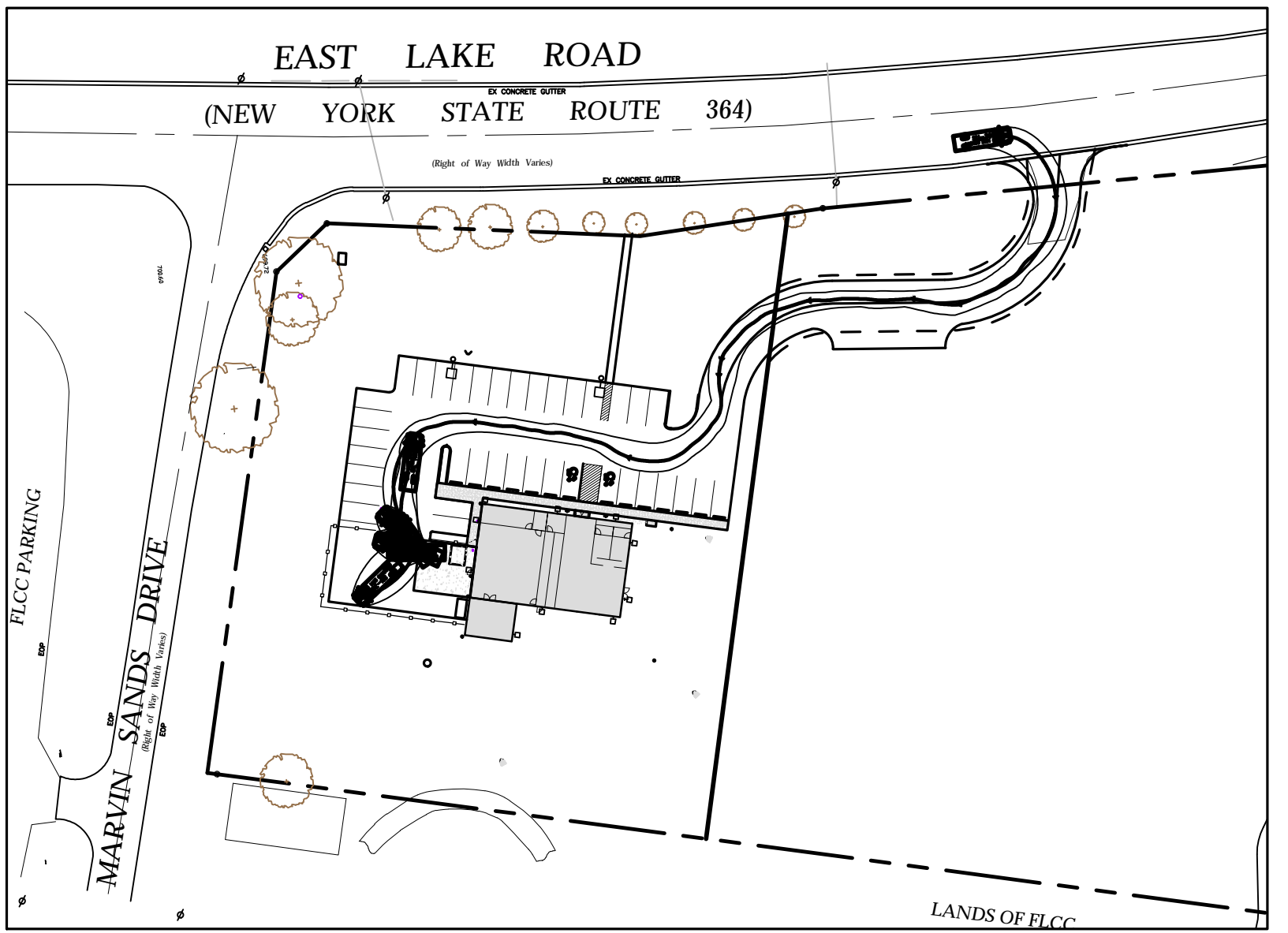
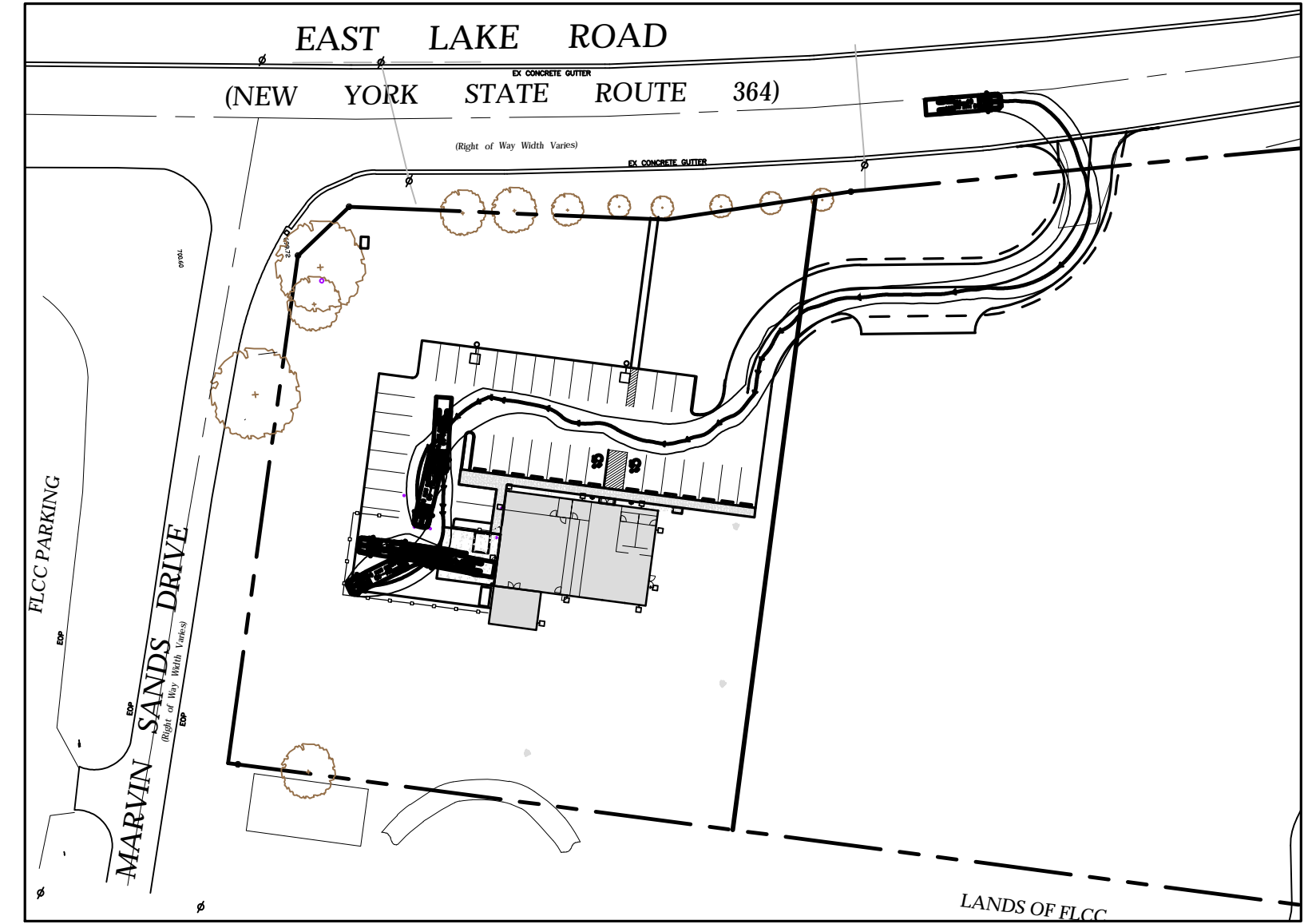
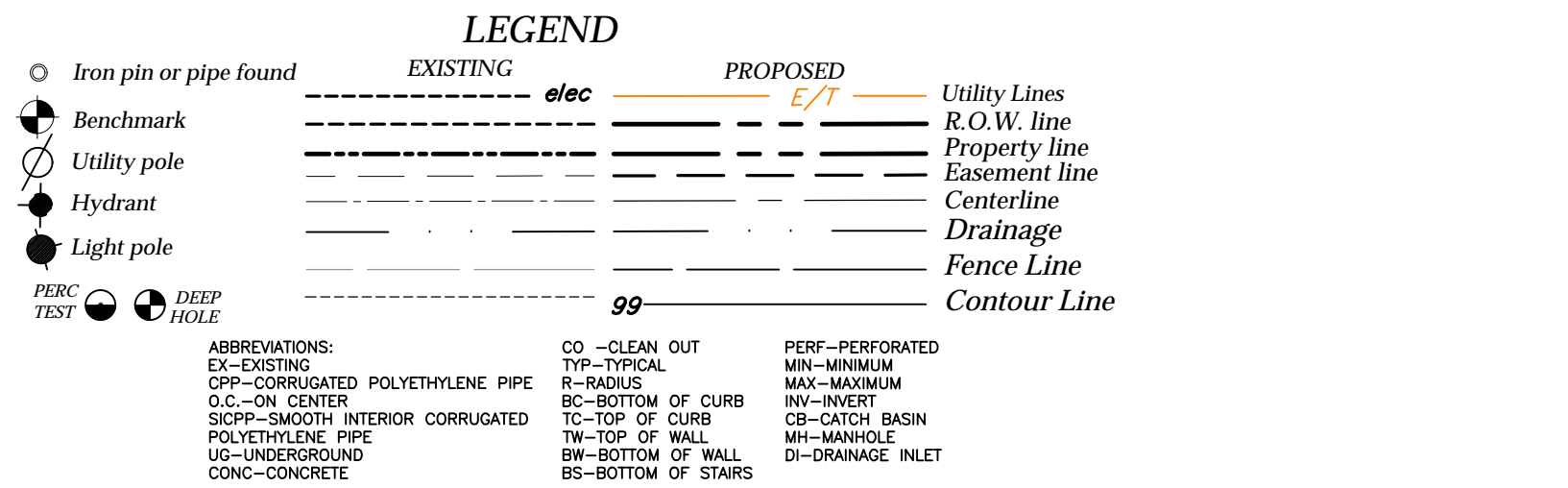
PIPE SIZE (INCHES)	WORKING PRESSURE (PSIG)	TEC OR PLUG		90° BEND		45° BEND		22-1/2° BEND	
		L	D	L	D	L	D	L	D
4	150	1.50	0.67	1.50	0.67	1.50	0.67	1.50	0.67
	250	1.50	0.67	1.50	0.67	1.50	0.67	1.50	0.67
6	150	1.67	0.75	2.00	1.00	1.50	0.67	1.50	0.67
	250	2.00	1.25	2.00	1.50	1.75	1.00	1.50	0.67
8	150	2.00	1.25	2.00	1.50	1.75	1.00	1.50	0.67
	250	2.25	1.75	3.00	2.00	2.00	1.50	1.67	1.00
10	150	2.00	1.75	2.50	2.00	1.75	1.50	1.67	1.00
	250	3.00	2.00	3.67	2.50	2.50	2.00	2.00	1.75
12	150	2.50	2.00	3.00	2.50	2.25	1.75	1.75	1.25
	250	3.67	2.50	4.00	3.00	3.00	2.33	2.00	1.75
14	150	3.00	2.33	4.00	2.50	2.75	2.00	2.00	1.50
	250	4.00	3.00	5.00	3.50	3.75	2.67	2.50	2.00
16	150	3.75	2.67	5.00	3.00	3.00	2.50	2.25	1.75
	250	5.00	3.25	6.00	3.50	4.00	3.00	3.25	2.00
18	150	4.00	3.00	5.50	3.25	3.67	2.50	2.50	2.00
	250	6.00	3.33	7.00	4.00	5.00	3.25	3.50	2.50
20	150	5.00	3.00	6.00	3.50	4.00	2.75	3.00	2.00
	250	6.50	4.00	8.00	4.50	6.00	3.25	4.00	2.50
24	150	6.00	3.33	7.00	4.25	5.00	3.25	3.67	2.50
	250	8.00	4.50	9.00	5.50	6.50	4.00	5.00	3.00



		TEST PRESSURE (P.S.I.)						
		100	125	150	175	200	225	
		ALLOWABLE LEAKAGE (G.P.H.)						
		PIPE DIA. (INCHES)						
D.I.P. PER 1,000 L.F. OF	6	0.45	0.50	0.55	0.59	0.64	0.68	
	8	0.60	0.67	0.74	0.80	0.85	0.90	
	10	0.75	0.84	0.92	0.99	1.06	1.13	
	12	0.90	1.01	1.10	1.19	1.28	1.35	
	14	0.94	1.05	1.10	1.20	1.25	1.31	
P.V.C. PER 1,000 L.F. OF	6	0.50	0.50	0.55	0.57	0.60	0.63	
	8	0.65	0.70	0.75	0.79	0.83	0.87	
	10	0.85	0.75	0.93	0.90	0.95	1.02	
	12	0.81	0.89	0.99	1.07	1.15	1.22	
	14	0.85	0.93	1.03	1.11	1.19	1.26	

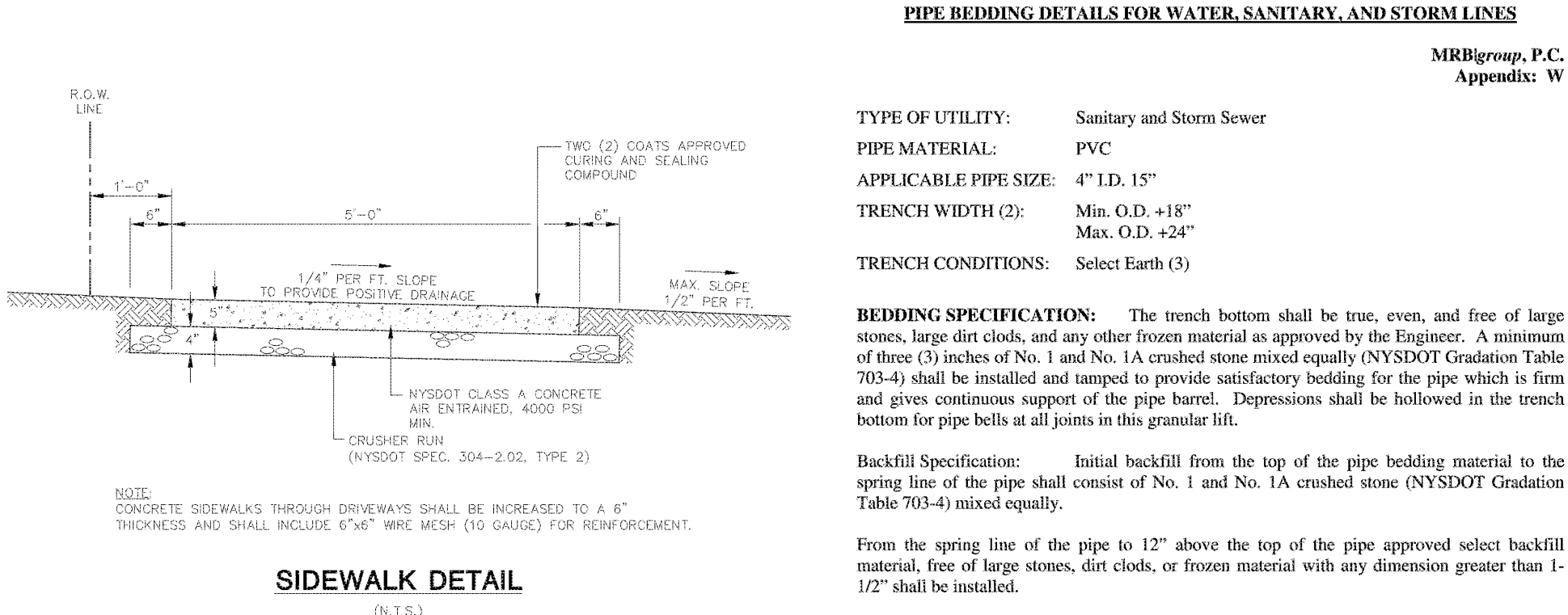




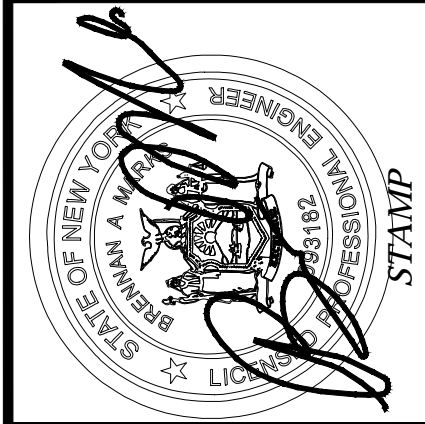
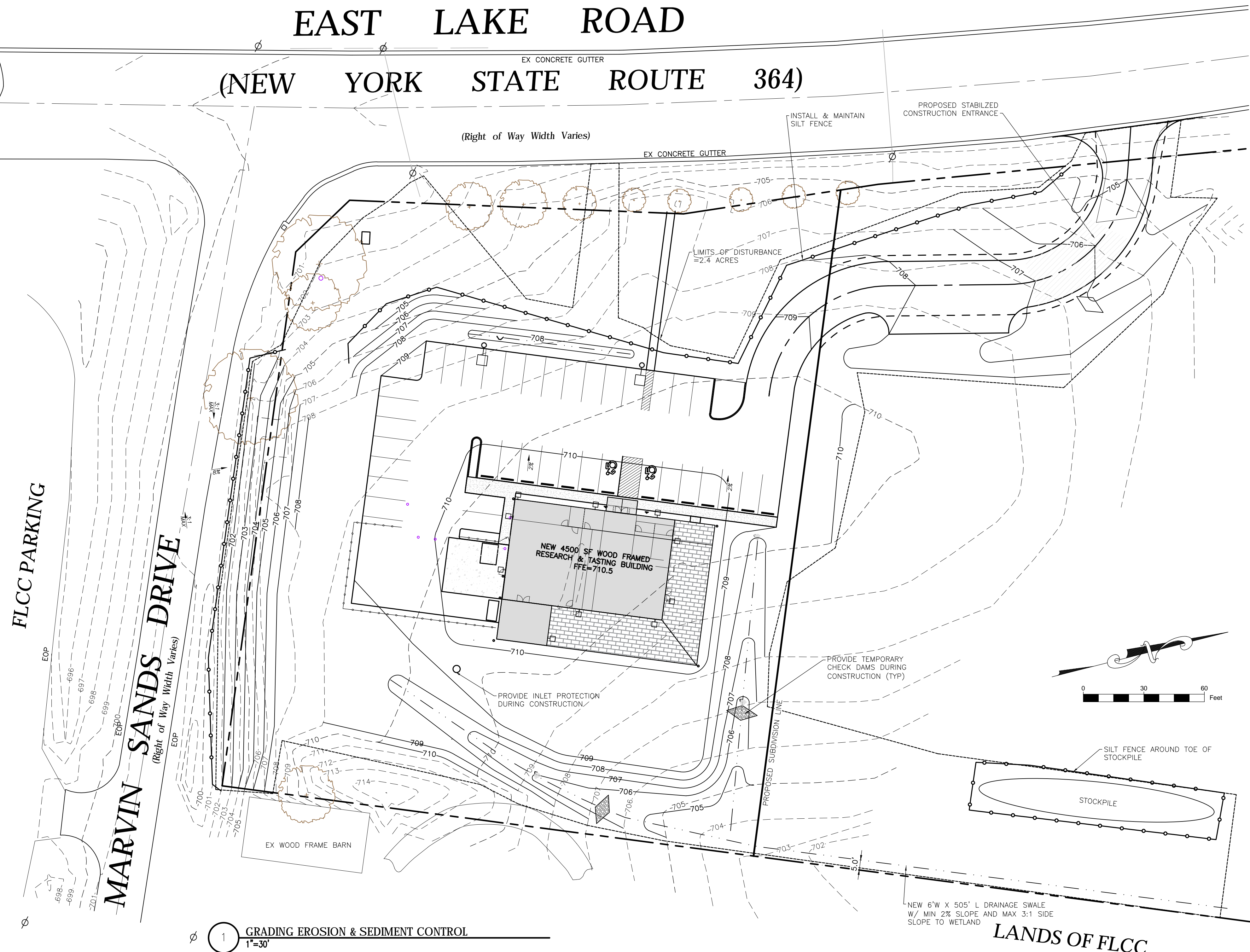


- TURNING MOVEMENT NOTES:**
- TURNING MOVEMENTS ARE BASED ON SWEEPED PATHS AS GENERATED BY AUTOTURNPRO SIMULATION SOFTWARE
  - TRUCK TEMPLATES ARE BASED ON AASHTO 2011 STANDARD TEMPLATES

- DRIVEWAY AND GRADING NOTES:**
- CUT AND FILL SLOPES SHALL NOT EXCEED 3 ON 1.
  - DRIVEWAY SHALL NOT EXCEED 10% TRAVERSING SLOPE AND 2% CROSS SLOPE UNLESS OTHERWISE NOTED.
  - SITE SHALL BE GRADED SUCH THAT THERE IS POSITIVE DRAINAGE AT A MINIMUM OF 2% AWAY FROM ANY BUILDINGS, STRUCTURES, DRIVEWAYS, AND SEPTIC SYSTEM.
  - TOPSOIL SHALL BE STRIPED OF AREAS PLANNED FOR CONSTRUCTION AND REAPPLIED AFTER GRADING IS FINISHED. ANY UNUSED TOPSOIL SHALL BE HAULED OFFSITE OR PLACED AT A REAR YARD LOCATION AGREED UPON BY OWNER AND LOCAL CODE OFFICIALS.
  - DRAINAGE SWALES SHALL HAVE A MINIMUM DEPTH OF 12" AND MINIMUM WIDTH OF 4". SWALES SHALL HAVE A LINEAR SLOPE OF MINIMUM 2% (1" RISE PER 50' RUN) AND MAXIMUM SIDE SLOPE OF 1" RISE PER 3' RUN.



**SIDEWALK DETAIL**  
(N.T.S.)



REVISIONS AND APPROVALS			
NO.	DATE	DESCRIPTION OF REVISION OR APPROVAL	BY
1	06/22/18		MCF

**FINAL SITE PLAN FOR:**  
**STAR CIDER**  
NEW RESEARCH & TASTING FACILITY  
3365 EAST LAKE RD  
TOWN OF CANANDAIGUA  
STATE OF NEW YORK  
COUNTY OF ONTARIO

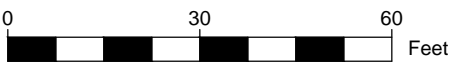
DRAWING TITLE:	
<b>GRADING PLAN</b>	
DRAWN BY:	MCF
DESIGNED BY:	BAM
CHECKED BY:	BAM
SCALE:	AS NOTED
JOB NO.:	16-073
DATE:	06/15/2018
TAX MAP#:	98.11-2-8.000



ABBREVIATIONS:	CO -CLEAN OUT	PERF-PERFORATED
EX-EXISTING	TYP-TYPICAL	MIN-MINIMUM
CPP-CORRUGATED POLYETHYLENE PIPE	R-RADIUS	MAX-MAXIMUM
C.C.-ON CENTER	BC-BOTTOM OF CURB	INV-INVERT
O.C.-SMOOTH INTERIOR CORRUGATED	TC-TOP OF CURB	CB-CATCH BASIN
POLYETHYLENE PIPE	TW-TWO OF WALL	MH-MANHOLE
UG-UNDERGROUND	BW-BOTTOM OF WALL	DI-DRAINAGE INLET
CONC-CONCRETE	BS-BOTTOM OF STAIRS	

8. ALL PERMANENT LAWN AREAS ARE TO RECEIVE 6" OF TOPSOIL AND THE FOLLOWING LAWN SEED MIX:  
65% KENTUCKY BLUEGRASS AT 2.5 LBS PER 1,000 S.F.  
20% PERENNIAL RYEGRASS AT 1.0 LBS PER 1,000 S.F.  
15% FINE FESCUE AT 0.6 LBS PER 1,000 S.F.

N.T.S.



1 LANDSCAPING PLAN  
1"=30'

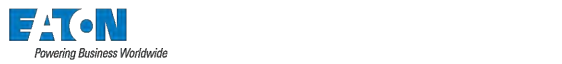
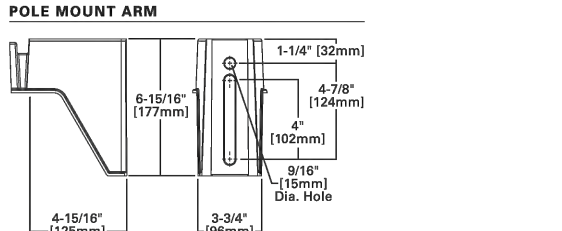
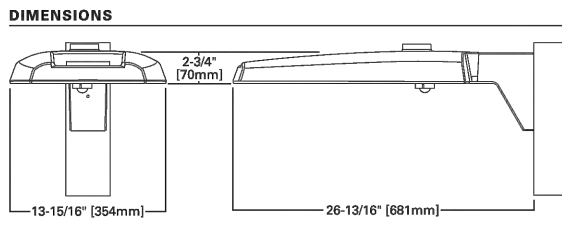
**LANDS OF FLCC**



DESCRIPTION  
The Prevail™ LED pole and fixture combination makes selection and installation of poles and fixtures simple. Included is the die-cast Prevail area, site and roadway luminaires with standard mounting arm, square straight steel pole, anchor bolts, base cover, template and hardware. Stock configurations are available in single and dual fixture combinations. The Prevail luminaire delivers a new level of versatility and value in patent pending, architectural design that delivers energy savings greater than 62% and replaces 150-400W metal halide fixtures. The Prevail fixture and pole combo is ideal for general area/site lighting applications.

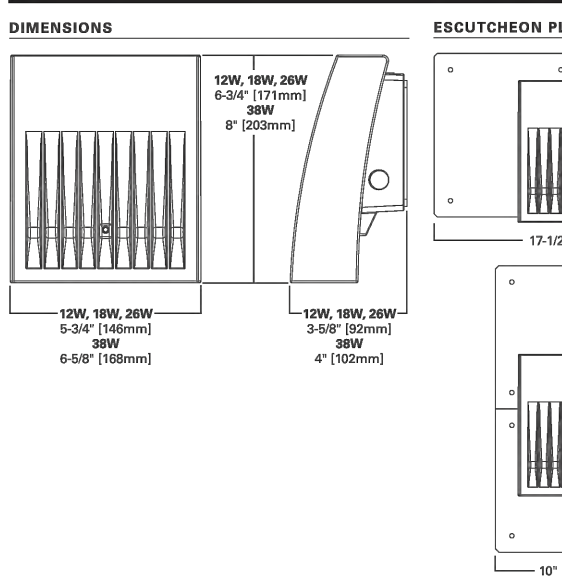
SPECIFICATION FEATURES  
**Construction**  
Construction is comprised of a heavy-duty, single-piece die-cast aluminum housing in dark bronze polyester powder paint. The die-cast aluminum door is tethered to provide easy access to the driver if replacement is required. The optics is mounted on a versatile, aluminum plate that dissipates heat from the LEDs resulting in longer life of the fixture. The fixture is IP66 and 3G vibration rated (ANSI C136.31).

**Optics**  
Available in Type III and IV distributions with lumen packages ranging from 6,173 to 15,892 nominal lumens. Light engine configurations consist of 1 or 2 high-efficiency LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to 152,000 hours at 25°C per IESNA TM-21). For the ultimate level of spill light control, an optional house side shield accessory can be field or factory installed.



DESCRIPTION  
The patented Lumark Crosstour™ LED Wall Pack Series of luminaires provides an architectural style with super bright, energy efficient LEDs. The low-profile, rugged die-cast aluminum construction, universal back box, stainless steel hardware along with a sealed and gasketed optical compartment makes the Crosstour impervious to contaminants. The Crosstour wall luminaire is ideal for wall surfaces, interior mount for facade/sentry illumination, post/boilard, site lighting, floodlight and low level pathway illumination including stairs. Typical applications include building entrances, multi-use facilities, apartment buildings, institutions, schools, stairways and loading docks test.

SPECIFICATION FEATURES  
**Construction**  
Slim, low-profile LED design with rugged one-piece, die-cast aluminum hinged removable door and back box. Matching housing styles incorporate both a small and medium design. The small housing is available in 12W, 16W and 26W. The medium housing is available in the 38W model. Patented secure lock hinge feature allows for safe and easy tool-less electrical connections with this supplied push-in connectors. Back box includes three half-inch, NPT threaded conduit entry points. The universal back box supports both the small and medium forms and mounts to standard 3-1/2\"/>



## Lumark

Catalog #	Type
Project	
Comments	
Prepared by	



PPFRV PREVAIL POLE AND FIXTURE COMBO

LED  
POLE AND FIXTURE COMBO



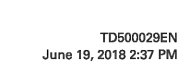
CERTIFICATION DATA  
UL and cUL Wet Location Listed  
IP66 Rated  
3G Vibration Rated  
800 M01  
Design/Lights Consortium™ Qualified\*

ENERGY DATA  
Electronic LED Driver  
UL Power Factor  
<0.9% Total Harmonic Distortion  
120-277V/60Hz and 480V/60Hz  
40°C Minimum Temperature Rating  
40°C Ambient Temperature Rating

EPA  
Effective Projected Area (Sq. Ft.): 0.75  
1.5 Square Feet

SHIPPING DATA  
Approximate Net Weight:  
0.015, 0.015 lbs (1.5 Watts)

TS030306N  
June 19, 2016 2:37 PM



## Lumark

Catalog #	Type
Project	
Comments	
Prepared by	



XTOR CROSSTOUR LED

APPLICATIONS:  
WALL / SURFACE  
POST / BOILARD  
LOW LEVEL  
FLOODLIGHT  
INVERTED  
SITE LIGHTING



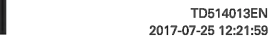
CERTIFICATION DATA  
UL/ULX Wet Location Listed  
ULP/ULX L800 Compliant  
ROHS Compliant  
ADA Compliant  
NOM Compliant Models  
IP66 Ingress Protection Rated  
Title 24 Compliant  
Design/Lights Consortium™ Qualified\*

TECHNICAL DATA  
40°C Maximum Ambient Temperature  
External Supply Wiring 90°C Minimum

EPA  
Effective Projected Area (Sq. Ft.):  
XTOR16, XTOR16A, XTOR16B-0.34  
XTOR16B-0.45

SHIPPING DATA:  
Approximate Net Weight:  
1.7 - 2.25 lbs (1.7 - 2.4 Watts)

TS0140130N  
2017-07-26 12:31:08



## Fail-Safe

Catalog #	Type
Project	
Comments	
Prepared by	



HVSL8 HVSL12

HVSL8/B

LD4 LED

HVSL8 8", 12" Wide  
HVSL12 8" Wide  
Vandal Resistant Linear LED  
Steel Housing

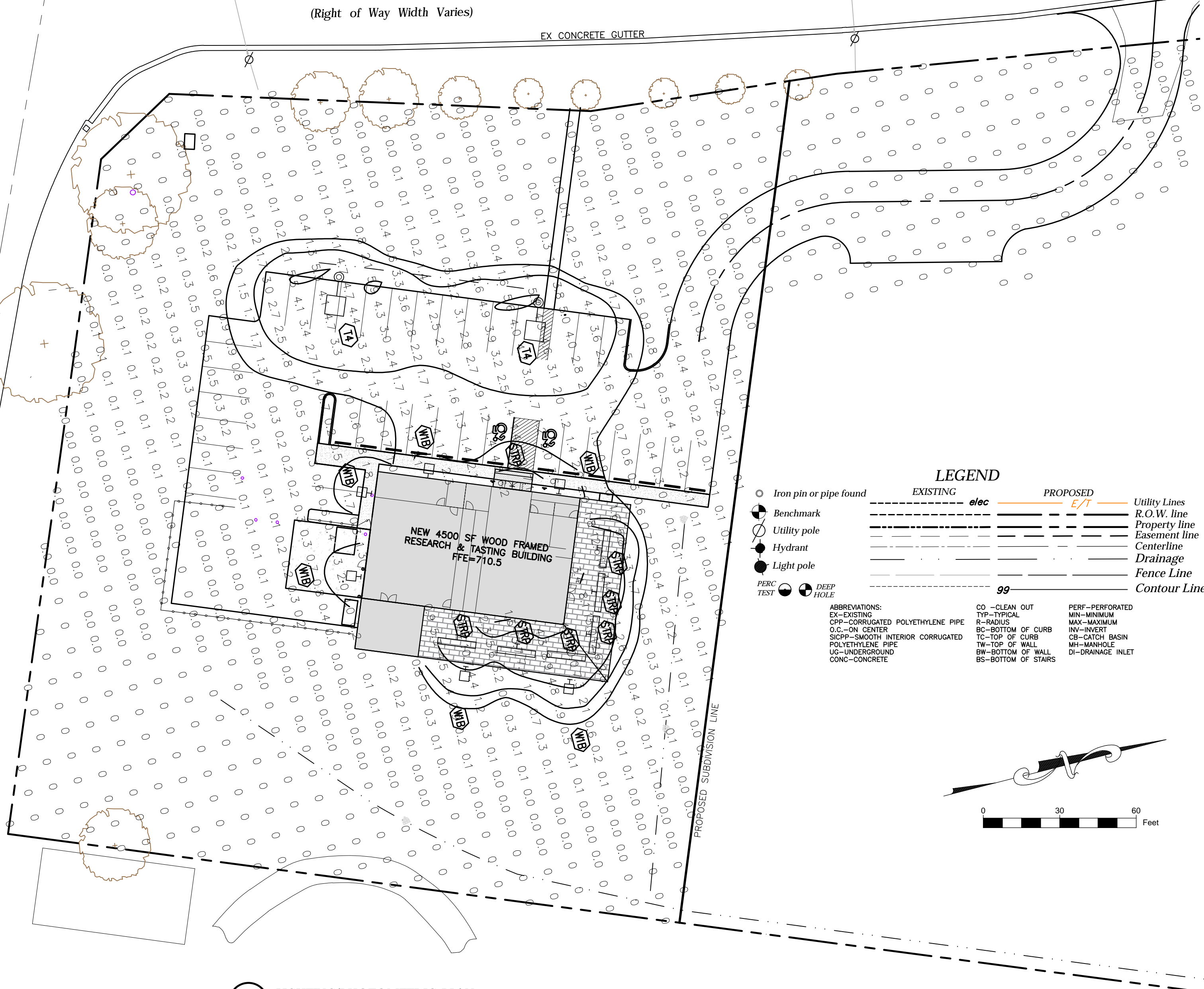


ENERGY DATA  
For Energy Management related technical data to assist in the selection of this fixture series, refer to the underlying information for these ratings.

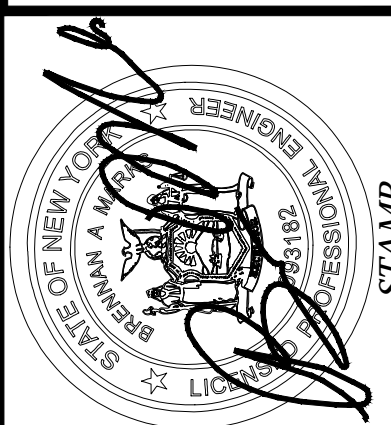
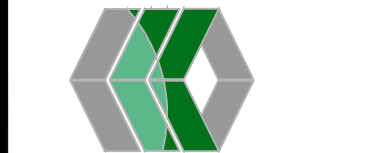
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2018-03-28 18:45:29

CALLOUT	SYMBOL	LAMP	DESCRIPTION	MOUNTING	MODEL	NOTE 1	NOTE 2	QUANTITY
STRP		(168) 23W (168) 4000K CCT, 80 CRI	FALSESAFE 2FT HVSL LED FIXTURE WITH CLEAR LENS	CEILING	EATON - FAIL-SAFE (FORMER COOPER LIGHTING), HVSL8-2-LD4-3LO-40-UNV-C-EDCI-D			7
T4		(2) 143W	PREVAL AREA LUMINAIRE(2) TO CRL 4000K LEDS AND TYPE IV OPTICS, BRONZE PAINTED FINISH	POLE	EATON - LUMARK (FORMER COOPER LIGHTING), PRV-AAO-D-UNV-T4-BZ			2
WIB		(1) 12W EATON LED 4000K	CROSSTOUR 12W WALL MOUNT LED	WALL	EATON - LUMARK (FORMER COOPER LIGHTING), XTOR16-W	ELECTRONIC DRIVER		6

# EAST LAKE ROAD (NEW YORK STATE ROUTE 364)



**MarksEngineering**  
42 BEENAN STREET  
CANADAigua, NY 14242  
(585) 905-0360  
INFO@MARKSENGINEERING.COM



REVISIONS AND APPROVALS	DATE	BY	DATE	BY	DATE	BY
NO.	1	06/22/2018	DESCRIPTION OF REVISION OR APPROVAL	PER TOWN PRC REVIEW	DAM	

FINAL SITE PLAN FOR:  
**STAR CIDER**  
NEW RESEARCH & TASTING FACILITY  
3365 EAST LAKE RD  
TOWN OF CANANDAIGUA  
COUNTY OF ONTARIO  
STATE OF NEW YORK

DRAWING TITLE:	PHOTOMETRIC PLAN
DRAWN BY:	MCF
DESIGNED BY:	BAM
CHECKED BY:	BAM
SCALE:	AS NOTED
JOB NO.:	16-073
DATE:	06/15/2018
TAX MAP#:	98.11-2-8.000

P100



3.3. STORM DRAINS

- a) REINFORCED CONCRETE PIPE (RCP) SHALL BE SUPPLIED IN CONFORMANCE WITH ASTM C-76 CLASS II. JOINTS SHALL BE OF THE BELL AND SPIGOT TYPE WITH COMPRESSION TYPE JOINT ASTM C-443
- b) POLYVINYL CHLORIDE (PVC) PIPE SHALL MEET THE REQUIREMENTS OF ASTM D-3034 OR ASTM F-679, MINIMUM WALL THICKNESS 3/8" INCHES. ALL MANHOLE AND SKEET JOINT, ASTM D-3212 OR ASTM F-794 FOR RIBBED GRAVITY PIPE. PVC PIPE SHALL NOT BE USED AS DRIVEWAY CULVERTS.
- c) HIGH DENSITY POLYETHYLENE (HDPE) PIPES SHALL BE SMOOTH LINED (SMOOTH BORE) AND SHALL CONFORM TO THE REQUIREMENTS OF ASTM F-405 OR ASTM F667
- d) STORM LATERALS
  - i) PVC CONFORMING TO ASTM D-3034, MINIMUM 4 INCHES IN DIAMETER WITH FABRICATED TEES AND WYES.
  - ii) HDPE SHALL CONFORM TO ASTM F-405 WITH FABRICATED TEES AND WYES
  - e) CATCH BASIN LEADS SHALL BE A MINIMUM OF 12 INCHES IN DIAMETER. ACCEPTABLE MATERIALS ARE:
    - i) REINFORCED CONCRETE PIPE (RCP).
    - ii) POLYVINYL CHLORIDE PIPE (PVC).
    - iii) HIGH DENSITY POLYETHYLENE PIPE (HDPE).

- i) PRECAST REINFORCED CONCRETE SECTIONS SHALL BE MANUFACTURED IN ACCORDANCE WITH ASTM SPECIFICATIONS C-478. RISER SECTIONS SHALL HAVE TONGUE AND GROOVE ENDS AND SUPER "O" JOINTS AND GASKETS CONFORMING TO ASTM C-443. MANHOLE BASES MAY BE PRE-FORMED OR POURED IN THE FIELD. ROOF SLABS SHALL BE PRECAST STRUCTURAL CONCRETE, REINFORCED FOR H-20 AND 30 PERCENT IMPACT LOADING. A 24 INCH DIAMETER HOLE SHALL BE ECCENTRICALLY LOCATED IN THE ROOF SLAB, IN PLACE OF PREDEFINED OPENINGS IN BASE SECTIONS, FLEXIBLE MANHOLE SLEEVES MAY BE CAST DIRECTLY INTO THE BASE WALLS MAY BE USED WITH COMPATIBLE PIPE MATERIAL.
- ii) ALL MANHOLES SHALL BE SEALED INSIDE AND OUTSIDE COMPLETELY WITH TWO COATS OF HEAVY-DUTY WATER REPELLENT PROTECTIVE COATING WHICH COMPLIES WITH ASTM SPECIFICATION D-450, TYPE B.
- iii) MANHOLES CONSTRUCTED OF OTHER MATERIALS SHALL BE CONSIDERED FOR APPROVAL FOLLOWING A REVIEW OF SAID MANHOLE CONSTRUCTION, IN SPECIFYING THESE MANHOLES, THE DEVELOPER'S ENGINEER SHALL SUBMIT ADEQUATE DESIGN DATA AND/OR SHOP DRAWINGS TO SUBSTANTIATE THE MATERIALS.
- iv) SEE APPENDIX N FOR TYPICAL STORM SEWER MANHOLE AND CATCH BASIN MANHOLE.
- b) MANHOLE LADDERS AND STEPS
- i) MANHOLE LADDERS OR STEPS SHALL BE PROVIDED IN ALL SANITARY AND STORM MANHOLES AND SHALL BE CONSTRUCTED OF ONE OF THE FOLLOWING MATERIALS.
  - (1) NON-CORRODIBLE, ALUMINUM MAGNESIUM ALLOY LADDERS, WITH INTERMEDIATE SUPPORTS AT FIVE-FOOT INTERVALS.
  - (2) FORGED ALUMINUM WITH DROP FRONT DESIGN AND GROOVE TREAD SURFACE.
  - (3) CAST IRON WITH ASPHALT COATING
  - (4) REINFORCED PLASTIC STEPS
- ii) STEPS SHALL BE CAST INTO WALLS OF RISER SECTIONS AND SHALL BE ALIGNED IN EACH SECTION TO FORM A CONTINUOUS LADDER WITH RUNGS EQUALLY SPACED VERTICALLY IN THE ASSEMBLED MANHOLE AT A DISTANCE OF 12 INCHES APART.
- c) FRAMES AND COVERS
- i) STORM MANHOLE FRAMES AND COVERS SHALL BE SYRACUSE CASTING 1032, STAMPED STORM, WITH A VENTED COVER OR OTHER COVER OF EQUAL OR BETTER QUALITY. THE COVER CLEARANCE SHALL BE A MINIMUM OF 24 INCHES.
- ii) CATCHBASIN FRAMES AND GRATES SHALL BE RECTANGULAR, GALVANIZED (ASTM A-123) AND SIZED TO FIT GUTTER INLETS OR FIELD INLETS. THE GUTTER GRATES SHALL BE NYSDOT SIZE NO. 1 TO FIT THE CATCH BASIN INSIDE DIMENSIONS OF 18" x 24". THE MINIMUM FIELD INLET SHALL BE NYSDOT SIZE NO. 9 TO FIT A FIELD INLET OF 24" x 24" INSIDE DIMENSION.
- iii) CATCHBASIN MANHOLES SHALL BE SET TO ALLOW A NYSDOT SIZE NO. 1 GRATE TO BE INSTALLED.
- iv) FRAMES AND GRATES SHALL BE AS SPECIFIED IN NYSDOT SPECIFICATIONS DRAWING 655-6R1 AND SECTION 655 OF THE NYSDOT STANDARD SPECIFICATION MANUAL. ALL GRATES SHALL BE BOLTED TO FRAMES
- v) CATCHBASINS INSTALLED WITHIN THE CANADAGUAGA LAKE WATERSHED SHALL BE IN STALLED WITH A PERMANENT METALLIC MARKER INDICATING "NO DUMPING - DRAINS TO LAKE".

- a) DUCTILE IRON (DI) PIPE SHALL CONFORM TO AWWA C-151/A21.51 AND THE MINIMUM ALLOWABLE THICKNESS SHALL BE CLASS 52. PIPE SHALL BE CEMENT LINED IN ACCORDANCE WITH AWWA C-104/A21.4 AND SHALL HAVE RUBBER GASKET PUSH-ON JOINT IN ACCORDANCE WITH AWWA C-111/A21.11. IF SOIL CONDITIONS WARRANT, POLYETHYLENE WRAP SHALL BE REQUIRED.
- b) POLYVINYL CHLORIDE (PVC) PIPE SHALL MEET SPECIFICATIONS OF AWWA C-900 MADE FROM PVC COMPOUND 12454-B (ASTM D1784) WITH GASKET JOINTS MEETING ASTM D3139
- c) MOLECULARLY ORIENTED POLYVINYL CHLORIDE (PVCO) PIPE PVCO SHALL MEET SPECIFICATIONS OF AWWA C-909 MADE FROM PVC COMPOUND 12454-B (ASTM D1784) WITH GASKET JOINTS MEETING ASTM D3139
- d) HIGH-DENSITY POLYETHYLENE (HDPE) PIPE SHALL MEET SPECIFICATIONS OF AWWA C-906 MADE FROM COMPOUND 345464-C (ASTM D3350) WITH FITTINGS TO BE USED WILL BE IN ACCORDANCE WITH THE MATERIAL'S SPECIFICATION.
- e) FITTINGS.
- i) DUCTILE IRON SHALL MEET AWWA C-153/A21.53 SPECIFICATIONS, MINIMUM CLASS 350, WITH MECHANICAL OR PUSH-ON JOINT, EXCEPT FOR HYDRANT BRANCHES WHICH SHALL BE MECHANICAL JOINT.
- ii) FITTINGS SHALL BE CEMENT LINED IN ACCORDANCE WITH AWWA C-104/A21.4.
- iii) BOLTS AND NUTS SHALL BE HIGH-STRENGTH, LOW ALLOY STEEL.
- iv) ALL JOINTS SHALL CONFORM TO THE REQUIREMENTS OF AWWA C-111/A21.11.
- f) APPURTENANCES.
- i) DETECTOR TAPE SHALL BE BLUE IN COLOR, SIX INCHES (6") WIDE DETECTABLE MARKER TAPE AS MANUFACTURED BY TERRA TAPE OR EQUAL, SHALL BE INSTALLED ALONG MAIN LINE WATERMAIN (12" ABOVE TOP OF PIPE).
- ii) TRACER WIRE SHALL BE SOLID COPPER WIRE (#8 GAUGE MINIMUM) INSULATED WITH HIGH DENSITY POLYETHYLENE PER ASTM D-1248 ATTACHED TO THE PIPE AT 5 FOOT INTERVALS WITH PLASTIC TIES WITH A MINIMUM OF 150# TENSILE STRENGTH. WIRE SHALL BE ATTACHED TO ALL CAST FITTINGS, HYDRANTS AND VALVE BOXES TO MAKE A CONTINUOUS TRACEABLE SYSTEM.

a. GATE VALVES SHALL CONFORM TO ASMA C-509 OR LATEST REVISION AND SHALL HAVE NON-RISING STEMS; "O" RING PACKING, AND OPEN LEFT. THEY SHALL BE OF THE 350 PSI TEST CLASS WITH A MINIMUM WORKING PRESSURE OF 250 PSI. VALVES SHALL BE MANUFACTURED BY MUELLER CO, MODEL 2360, OR TOWN APPROVED EQUAL, WITH MJ ENDS, A 2" SQUARE OPERATING NUT.

b. VALVE BOXES SHALL BE BIBBY-STE-CROIX MODEL NUMBER BV3000 SERIES, OR APPROVED EQUAL, TWO-PIECE SCREW-TYPE, CAST-IRON CONSTRUCTION, VALVE BOX, WITH A 5-1/4 INCH INSIDE DIAMETER AND COVERS MARKED "WATER". IF THE VALVES ARE BURIED DEEP THEY MUST HAVE A VALVE BOX EXTENSION.

a) ALL VALVES SHALL HAVE MECHANICAL JOINT ENDS AND BE FURNISHED WITH SUFFICIENT QUANTITIES OF ACCESSORIES. FOR CAST/DUCTILE IRON PIPE AND PVC PIPE TS&V SHALL BE MUELLER H-615 SLEEVE WITH A T-2360-16 TAPPING VALVE, OR TOWN APPROVED EQUAL. FOR AC PIPE TS&V SHALL BE MUELLER H-619 WITH T-2360-16 TAPPING VALVE OR TOWN APPROVED EQUAL.

g) ANCHORING PIPE IN ACCORDANCE WITH ANSI-A21.4, OR LATEST REVISION, SHALL BE EMPLOYED TO ANCHOR ALL HYDRANTS TO GATE VALVES. THE ANCHORING PIPE SHALL BE COAL TAR COATED, CEMENT LINED AND PROVIDED WITH A ROTATING GLAND. THERE SHOULD BE A MINIMUM 18 INCHES BETWEEN HYDRANT AND GATE VALVE. THESE ANCHORING PIPES SHALL BE MANUFACTURED BY THE TYLER COMPANY, MODEL 5-198, OR CLOW, MODEL F-1216, OR APPROVED EQUAL.

- i) CONCRETE:
  - i) SHALL BE A MINIMUM OF 4000 PSI (28-DAY STRENGTH) CLASS A CONCRETE CONFORMING TO NYSDOT SPECIFICATION SECTION 501.
  - ii) AIR ENTRAINING ADMIXTURE CONFORMING TO ASTM SPECIFICATION C-260.
  - iii) EXPANSION JOINTS SHALL CONFORM TO NYSDOT SPECIFICATION 705-07.

- a) GENERAL TRENCHES SHALL BE IMMEDIATELY BACKFILLED FOLLOWING THE INSTALLATION OF UTILITIES UNLESS SPECIFICALLY CHANGED IN WRITING BY THE DESIGN ENGINEER AND APPROVED BY THE TOWN. THE ROADWAYS AND SIDEWALKS SHALL BE LEFT UNSTRUCTURED, WITH THEIR SURFACE IN A SAFE PASSABLE CONDITION; THE TRENCH SHALL BE TAMPED SUFFICIENTLY TO PREVENT SETTLEMENT OF OR DAMAGE TO EXISTING OR NEWLY INSTALLED STRUCTURES
- b) BACKFILL SHALL BE COMPLETED IMMEDIATELY AFTER APPROVAL. ONLY SELECT EARTH MATERIAL SHALL BE DEPOSITED AROUND THE UTILITY AND APPURTENANCES COVERING THEM BY HAND FOR A DEPTH OF AT LEAST 12 INCHES ABOVE THE PIPE. THIS EARTH SHALL BE THOROUGHLY TAMPED AS IT IS BEING PLACED SO AS TO FILL THE LOWER PORTION OF THE TRENCH THOROUGHLY TO GIVE UTILITIES A CLASS B BED FOR THEIR ENTIRE LENGTH.
- c) RESTRICTIONS AS TO MATERIALS, NO ROCK OR FROZEN MATERIALS SHALL BE PLACED IN TRENCHES WITHIN EXISTING OR PROPOSED STREETS. SUCH MATERIAL MAY BE USED IN FIELDS WHERE IMMEDIATE COMPACTION IS NOT NECESSARY AND AT LEAST 2 FEET OF SELECT FILL HAS BEEN PLACED OVER THE PIPE.
- d) BACKFILLING PAVEMENT CROSSINGS
- i) ALL UTILITY LINES OR LATERALS THAT CROSS EXISTING OR PROPOSED STREETS SHALL BE BACKFILLED WITH CRUSHER RUN STONE CONFORMING TO NYSDOT SPECIFICATION SECTION 304-03 GRADATION TYPE 2.
- ii) MATERIAL SHALL BE COMPACTED IN LIFTS OF 1 FOOT MAXIMUM TO THE ELEVATION OF THE ROAD SUBGRADE. FROM THERE THE BACKFILL SHALL CONFORM TO THE MATERIAL SPECIFICATIONS FOR INDIVIDUAL ROAD SECTIONS.
- e) CLEANING UP
- i) AS THE WORK PROGRESSES OR AS DIRECTED BY THE DESIGN ENGINEER, ALL RUBBISH OR REFUSE, UNUSED MATERIALS AND TOOLS, SHALL BE REMOVED AT ONCE FROM ALONG AND NEAR THE TRENCH LINE CONSTRUCTION.
- ii) ALL ROADWAYS, INTERSECTIONS, GUTTERS, AND SIDEWALKS SHALL BE ROUTINELY CLEANED OF ACCUMULATED DEBRIS, SEDIMENT AND TOOLS THROUGHOUT THE CONSTRUCTION PROCESS.
- iii) ROUGH CLEAN UP ALONG THE ROUTE SHALL IMMEDIATELY FOLLOW INSTALLATION PROCEDURES. LARGE SPOIL BANKS WILL NOT BE PERMITTED IN DEVELOPED AREAS.
- iv) FINAL CLEAN UP AND LANDSCAPING SHALL PROCEED IMMEDIATELY AFTER THE INSTALLATION, TESTING AND APPROVAL OF THE FACILITY.
- v) EROSION CONTROL MEASURES MUST BE MAINTAINED THROUGHOUT THE CONSTRUCTION PROCESS AND REMOVED ONLY UPON THE APPROVAL OF THE TOWN.



1. A U.S. DEPARTMENT OF TRANSPORTATION R7-8 (RESERVED PARKING) AND SUPPLEMENTAL SIGNS AS NOTED IN DETAIL 2 THIS SHEET, MUST BE MOUNTED ON A PERMANENT POST NO LOWER THAN FIVE FEET FROM THE PAVEMENT. THE POST MUST BE MOUNTED IN THE CENTER OF THE 8 FOOT WIDE ACCESSIBLE PARKING SPACE, NO MORE THAN 5 FEET FROM THE FRONT OF THE PARKING SPACE. SEE ILLUSTRATION IN DETAIL 2 THIS SHEET.

2. ACCESSIBLE PARKING SPACES AND ACCESS AISLES SHALL BE LEVEL WITH A SLOPE OF 1 1/2% (2% MAXIMUM). (EXAMPLE: 1.92 INCHES MAX. VERTICAL IN 8 FEET HORIZONTAL) OR 1:50 IN ALL DIRECTIONS. THIS INCLUDES BOTH "RUNNING SLOPES" AND "CROSS SLOPES."

3. THE ACCESS AISLE SHALL BE DESIGNATED WITH HIGH QUALITY YELLOW DIAGONAL SURFACE PAINT STRIPING.

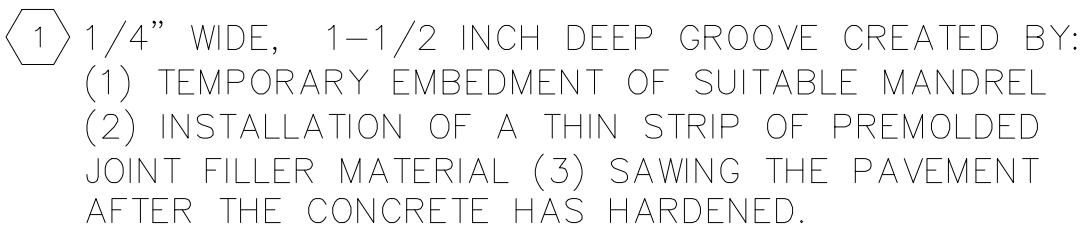
4. RAMPS MUST NOT EXTEND OUT FROM THE CURB INTO THE ACCESS AISLE OF ANY ACCESS PARKING SPACE.

5. PAINTED HANDICAPPED SYMBOL ON PAVEMENT SHALL CONFORM TO THE U.S. DEPARTMENT OF TRANSPORTATION/FHA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) PUBLICATION ENTITLED PAVEMENT MARKINGS MUTCD-6-03, IN ACCORDANCE WITH FIGURE 3B-19, "INTERNATIONAL SYMBOL OF ACCESSIBILITY PARKING SPACE MARKING WITH BLUE BACKGROUND AND WHITE BORDER OPTIONS". THE WHITE BACKGROUND IS DISCRETIONARY AND MAY BE ELIMINATED AT THE CONTRACTOR'S OPTION. THE BLUE BACKGROUND FIELD SHALL BE 6' SQUARE AND THE HANDICAP SYMBOL PROPORTIONAL IN SIZE USING A 3.5" WIDE BRUSH STROKE.

EACH ACCESSIBLE PARKING SPACE IS TO BE A MINIMUM OF 8' WIDE AND  
HAVE A 96" MINIMUM ACCESS AISLE FOR VANS OR 60" ACCESS AISLE  
FOR CARS ADJACENT TO THE SPACE. THE ACCESS AISLE MAY BE ON  
EITHER THE DRIVER'S SIDE OR THE PASSENGER'S SIDE OF THE ACCESSIBLE  
SPACE. THIS APPLIES TO 45, 60 AND 90 DEGREE PARKING.



## NIS



## 2 JOINT SEALER

3 FOR CONTRACTION JOINT SPACING, REFER TO DETAIL 6, THIS SHEET

## NIS

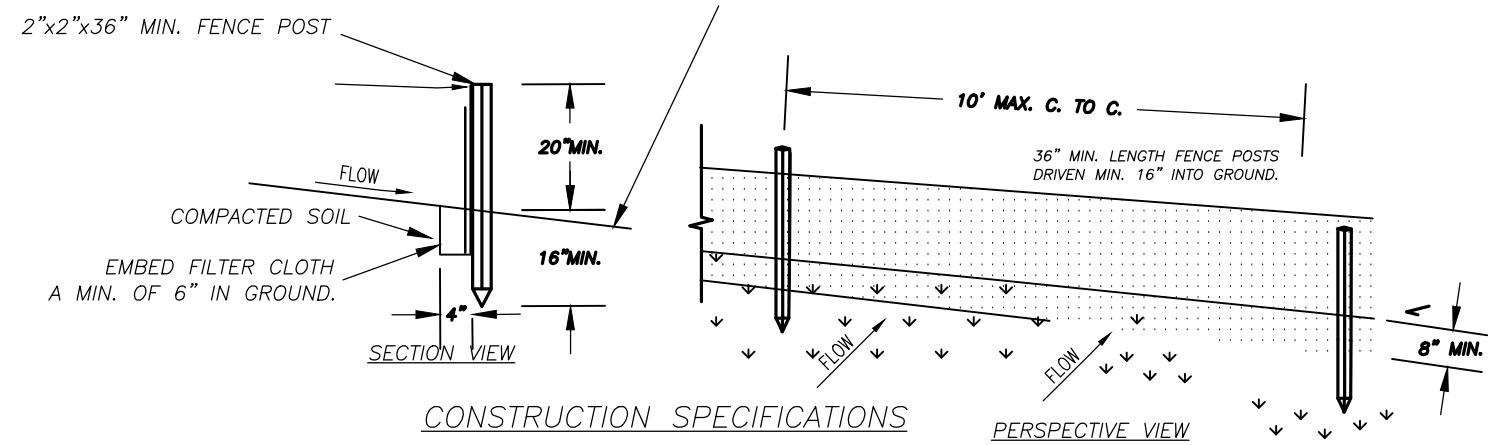


## POINTS



1. FILTER FABRIC SHALL HAVE AN EOS OF 40-85. BURLAP MAY BE USED FOR SHORT-TERM APPLICATIONS. MANUFACTURED SILT SOCKS MAY ALSO BE PERMITTED.
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 2x4 WOOD OR EQUIV. MINIMUM LENGTH OF 3 FEET.
4. SPACE STAKES EVENLY AROUND INLET 3 FEET APART AND DRIVE A MINIMUM 18 INCHES DEEP. SPANS GREATER THAN 3 FEET MAY BE BRIDGED WITH THE USE OF WIRE MESH BEHIND THE FILTER FABRIC OR SUPPORT.
5. FABRIC SHALL BE EMBEDDED 1 FOOT MINIMUM BELOW GROUND AND BACKFILLED. IT SHALL BE SECURELY FASTENED TO THE STAKES AND FRAME.
6. A 2x4 WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE FABRIC FOR OVERFLOW STABILITY.

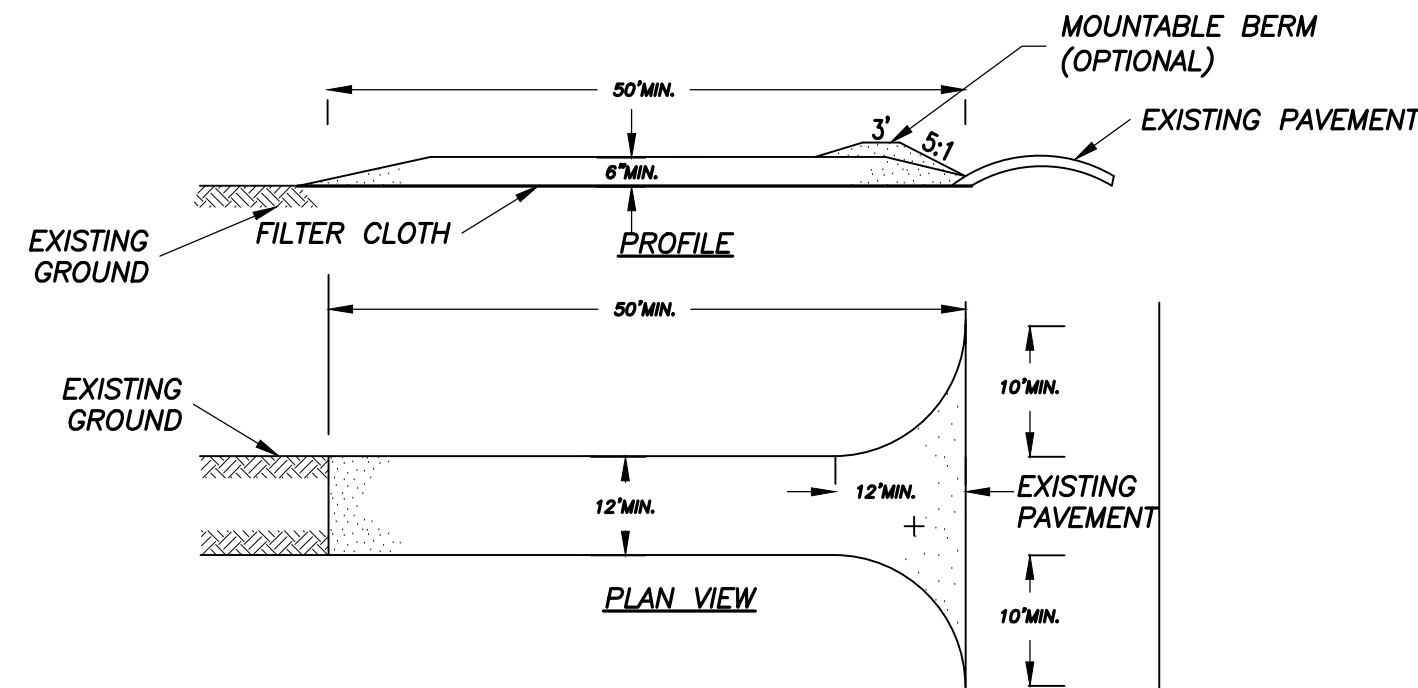




1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "I" OR "U" TYPE OR HARDWOOD.
2. FILTER CLOTH TO BE TO BE FASTENED SECURELY TO POSTS WITH STAPLES.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUIVALENT.
4. PREFABRICATED UNITS SHALL BE GEOFAB, ENVIRONMENT, OR APPROVED EQUIVALENT.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

### 1 SILT FENCE DETAIL

NTS

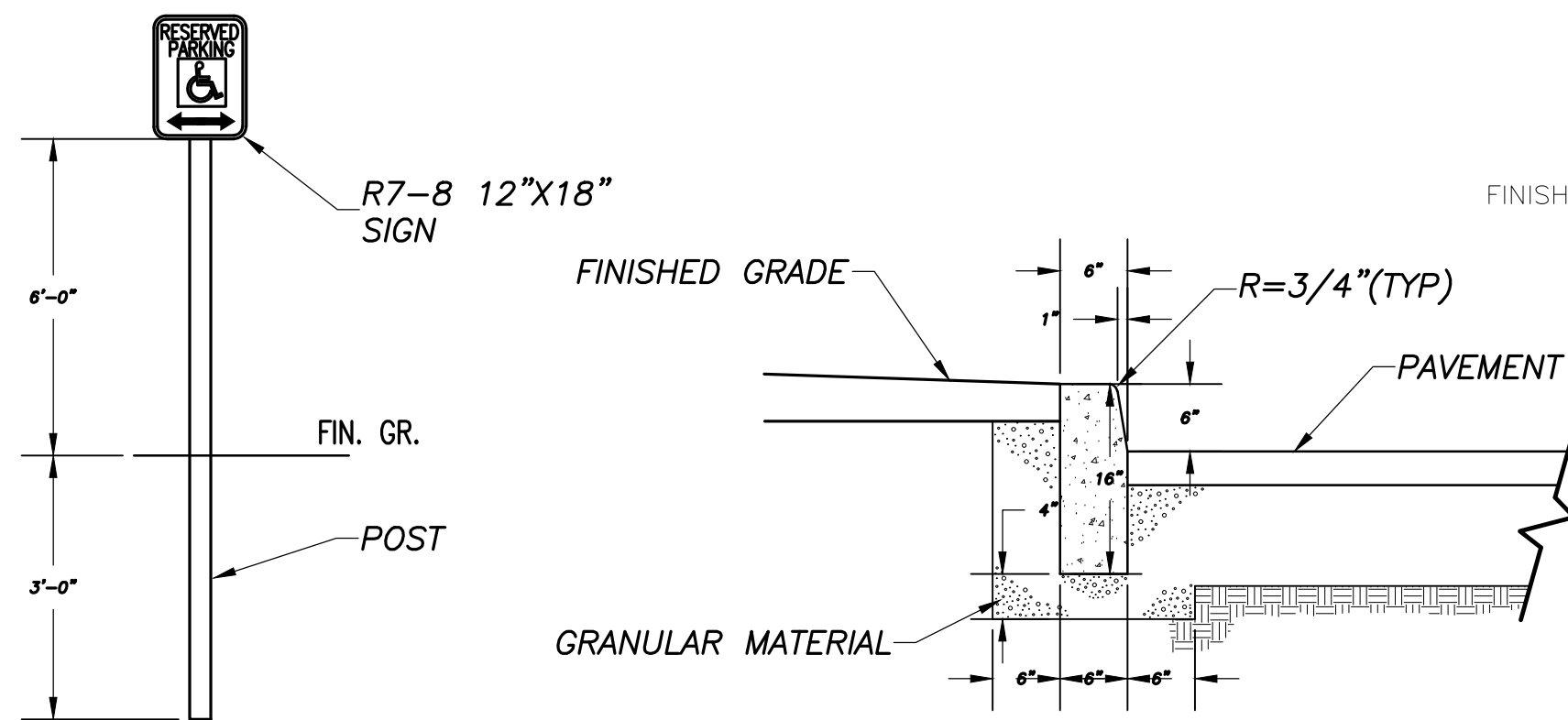


### CONSTRUCTION SPECIFICATIONS

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 MINIMUM 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 WITH 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, WASHED OR TRACTED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON A 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.

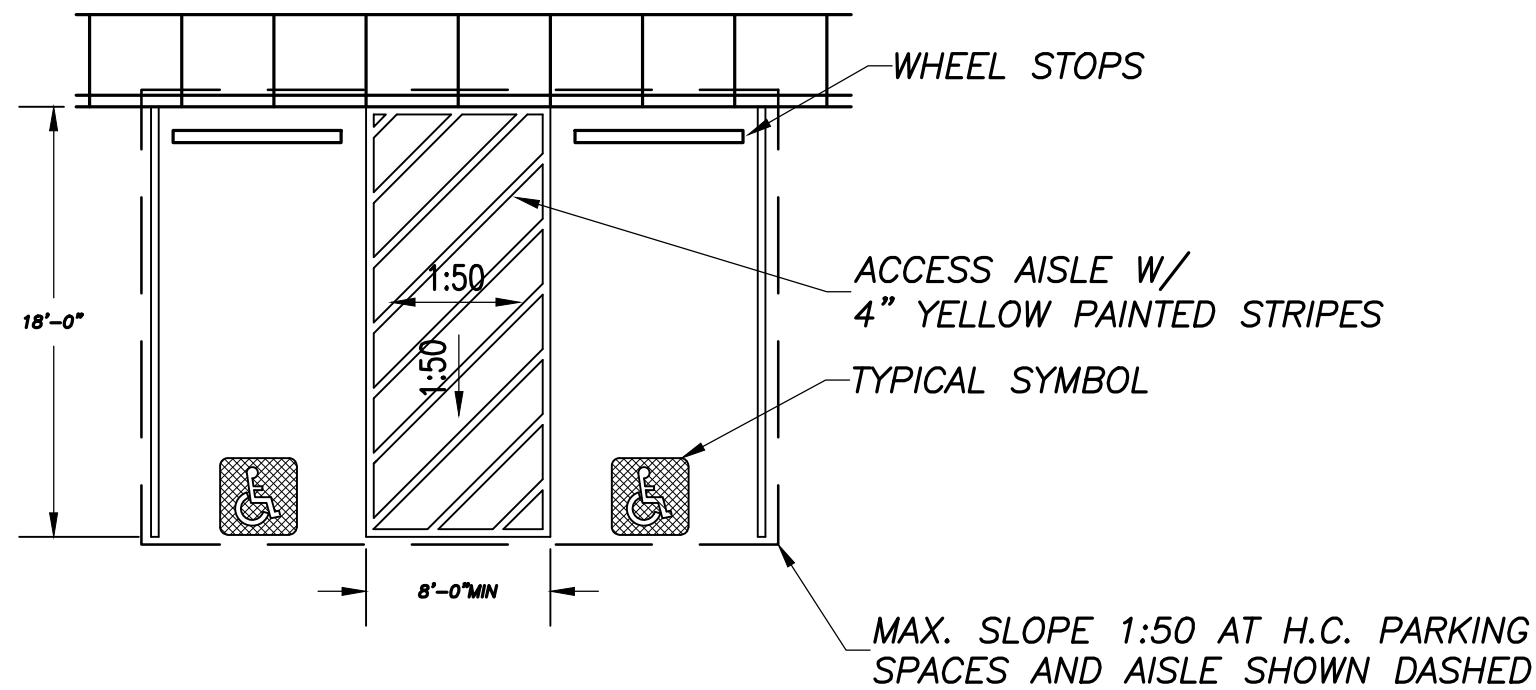
### 3 STABILIZED CONSTRUCTION ENTRANCE

NTS



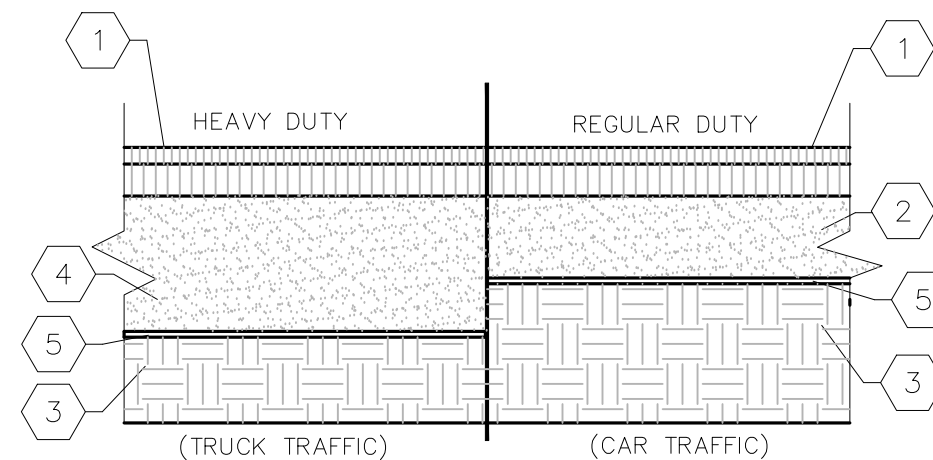
### 5 DETAIL: SIGN & POST

NTS



### 2 ADA PARKING STAHL

NTS

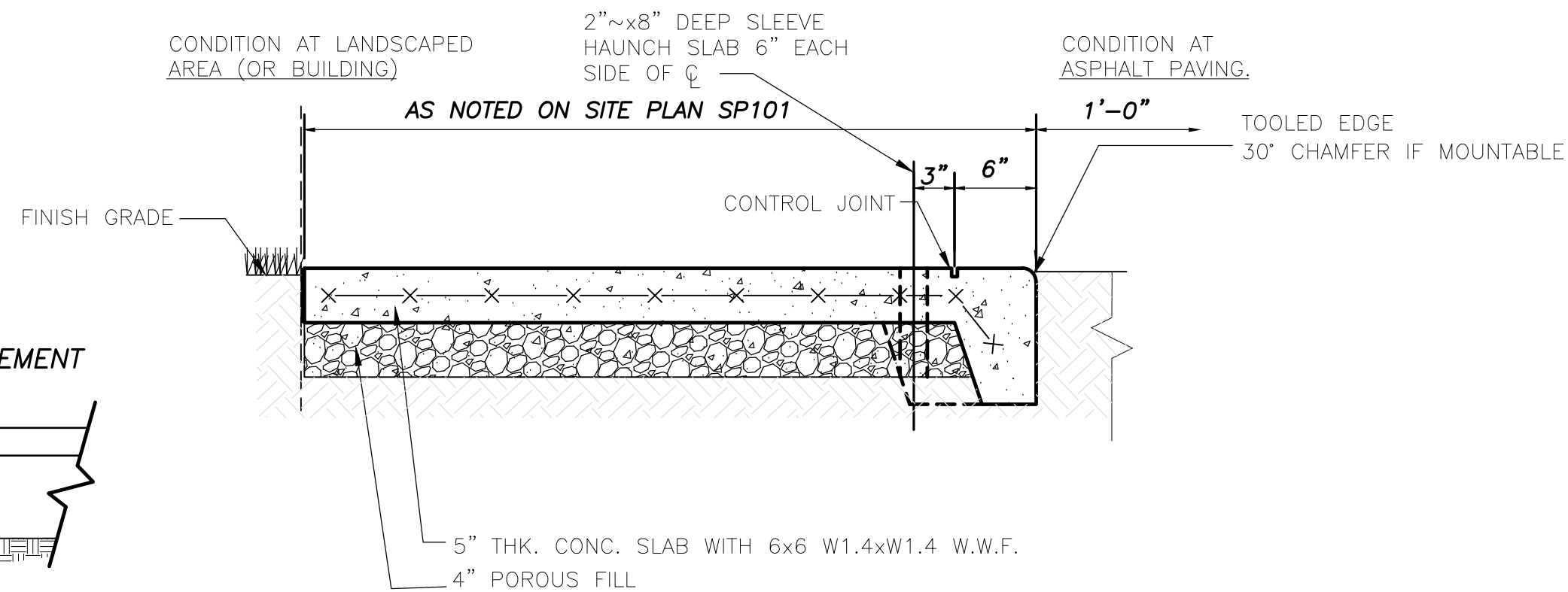


### KEYED NOTES

- 1 2" ASPHALT MILLINGS #1 MINUS
- 2 9" OF COMPACTED SUBBASE COURSE, TYPE 2-NYS DOT ITEM #304.12 COMPACT TO 95% MODIFIED PROCTOR.
- 3 WELL-DRAINED SUB-GRADE (SUB-GRADE TO 95% MODIFIED PROCTOR MIN. COMPACTION).
- 4 12" OF COMPACTED SUBBASE COURSE, TYPE 2-NYS DOT ITEM #304.12. COMPACT TO 95% MODIFIED PROCTOR
- 5 MIRAFI 500X GEOTEXTILE OR APPROVED EQUAL

### 4 ASPHALT MILLING SECTION DETAIL

NTS



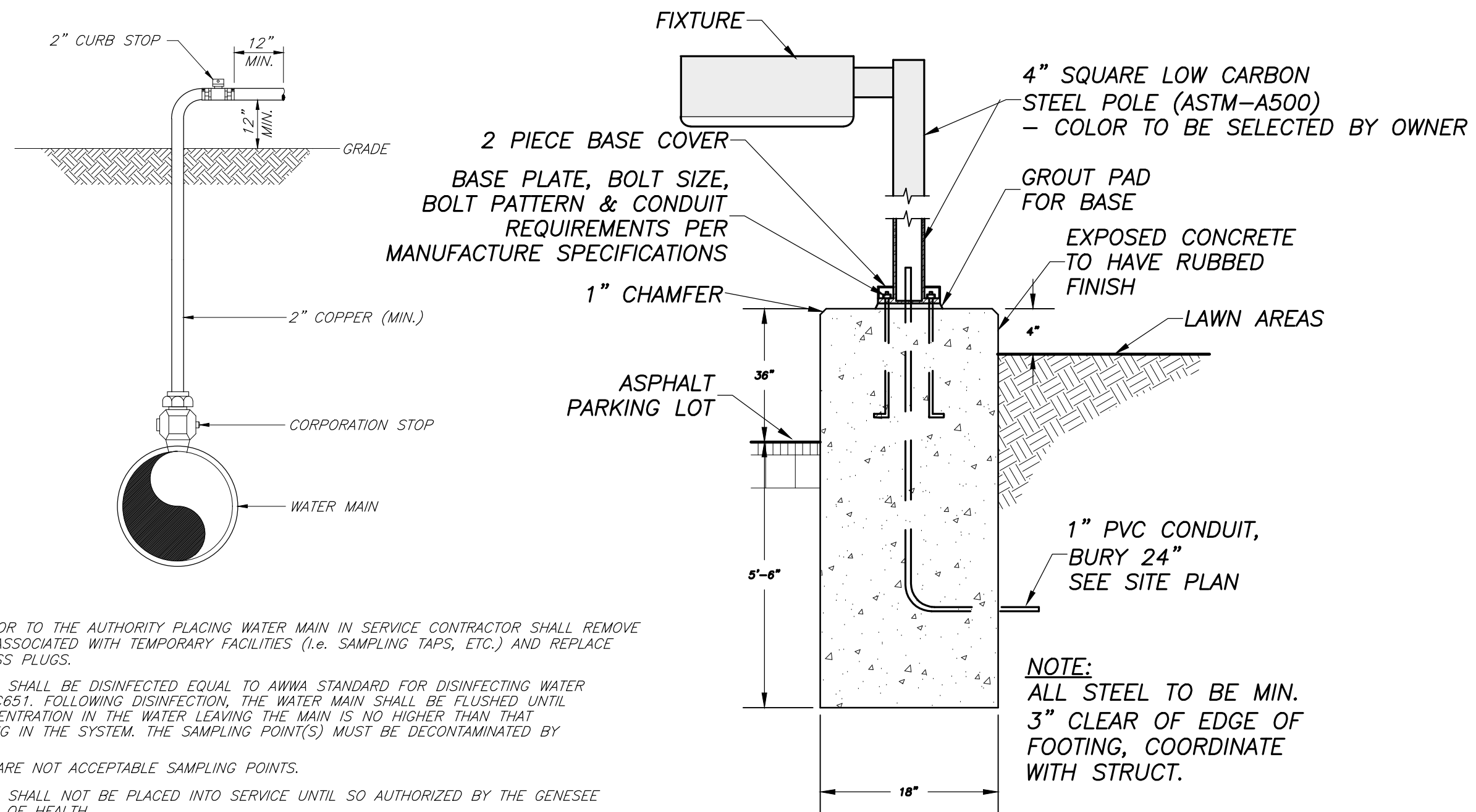
NOTE: PROVIDE CONTROL JOINTS IN SIDEWALK @ 5'-0" O.C. AND EXPANSION JOINTS @ 20'-0" O.C. BROOM FINISH WALKS AND SLOPE TO WASH @ 1/4" PER FOOT AWAY FROM BUILDING.

### 6 CONCRETE CURB DETAIL

NTS

### 7 CONCRETE SIDEWALK DETAIL

NTS



### NOTE:

1. IMMEDIATELY PRIOR TO THE AUTHORITY PLACING WATER MAIN IN SERVICE CONTRACTOR SHALL REMOVE ALL CORPORATIONS ASSOCIATED WITH TEMPORARY FACILITIES (I.e. SAMPLING TAPS, ETC.) AND REPLACE WITH THREADED BRASS PLUGS.
2. THE WATER MAIN SHALL BE DISINFECTED EQUAL TO AWWA STANDARD FOR DISINFECTING WATER MAINS DESIGNATION C651. FOLLOWING DISINFECTION, THE WATER MAIN SHALL BE FLUSHED UNTIL THE CHLORINE CONCENTRATION IN THE WATER LEAVING THE MAIN IS NO HIGHER THAN THAT GENERALLY PREVAILING IN THE SYSTEM. THE SAMPLING POINT(S) MUST BE DECONTAMINATED BY FLAMING.
3. FIRE HYDRANTS ARE NOT ACCEPTABLE SAMPLING POINTS.
4. THE WATER MAIN SHALL NOT BE PLACED INTO SERVICE UNTIL SO AUTHORIZED BY THE GENESEE COUNTY DEPARTMENT OF HEALTH.

### 8 DISINFECTION/SAMPLING TAP

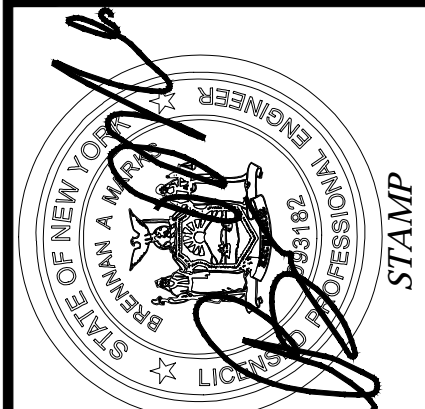
N.T.S.

### 10 DETAIL: PARKING LOT LIGHT FIXTURE & BASE

NOT TO SCALE

NYS DOT ITEM 304.12  
GRADATION REQUIREMENTS

SIEVE SIZE DESIGNATION	PERCENT PASSING BY WEIGHT
2"	100
1/4"	25-60
#40	5-40
#200	0-10

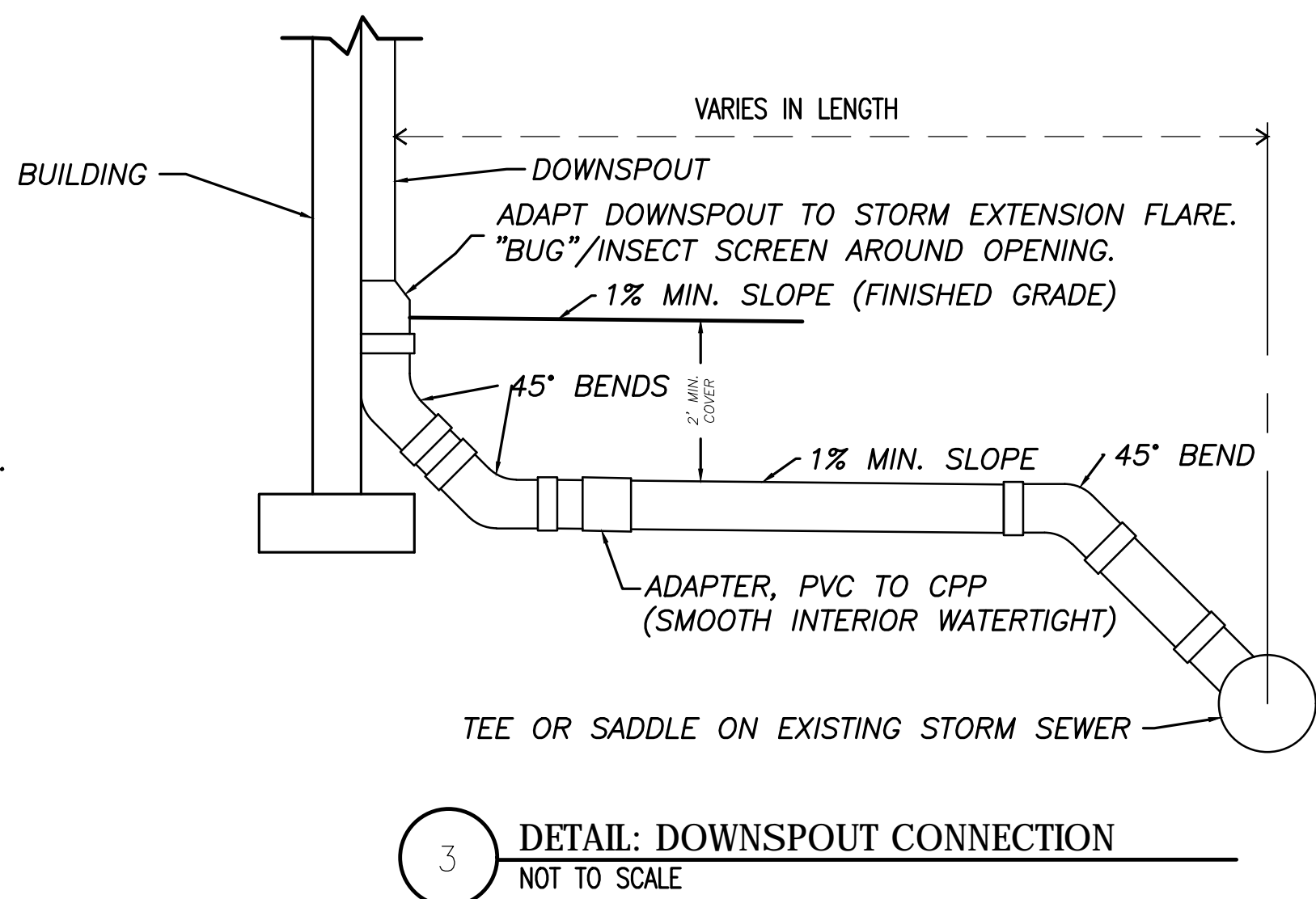
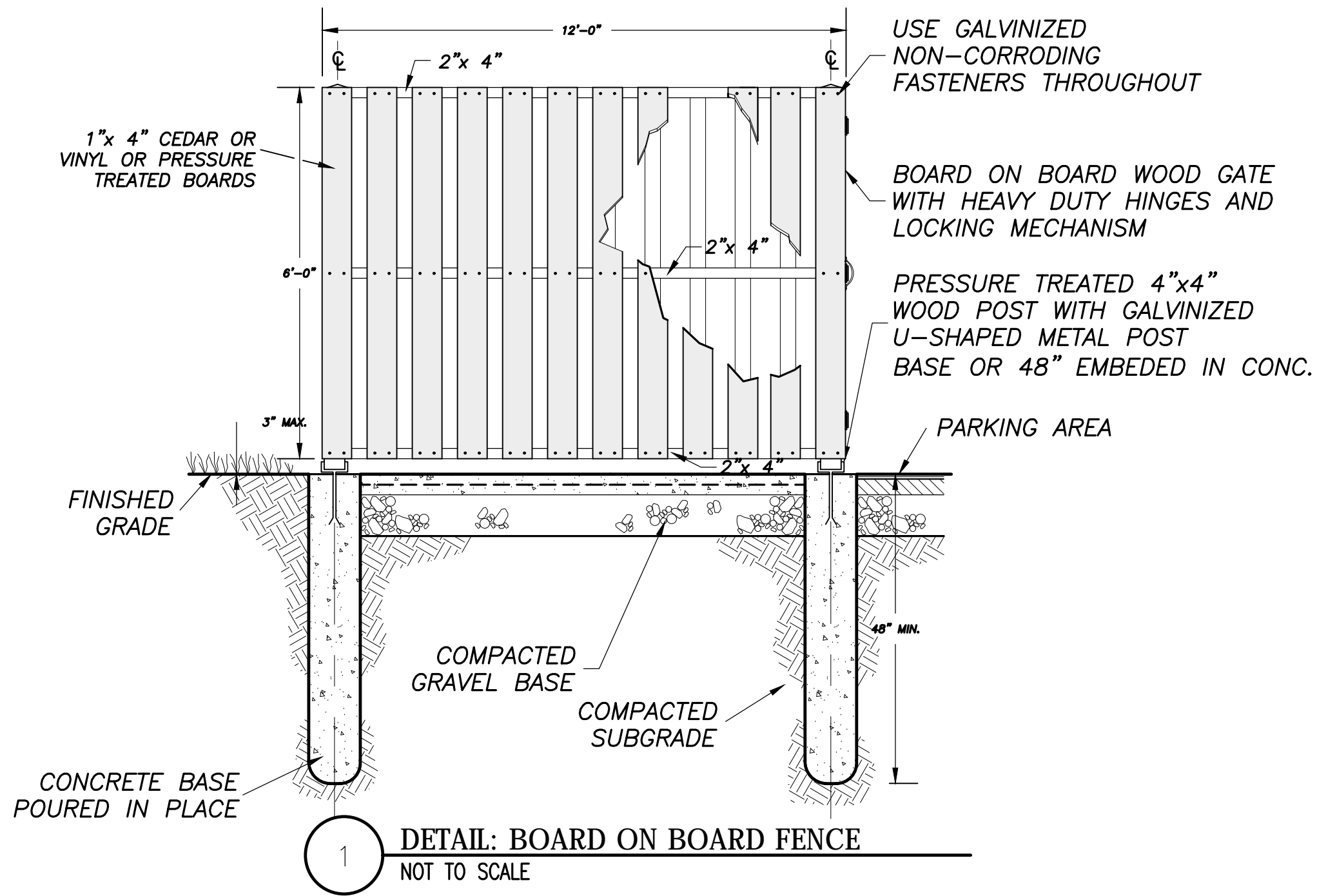


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1		06/22/18	MCF

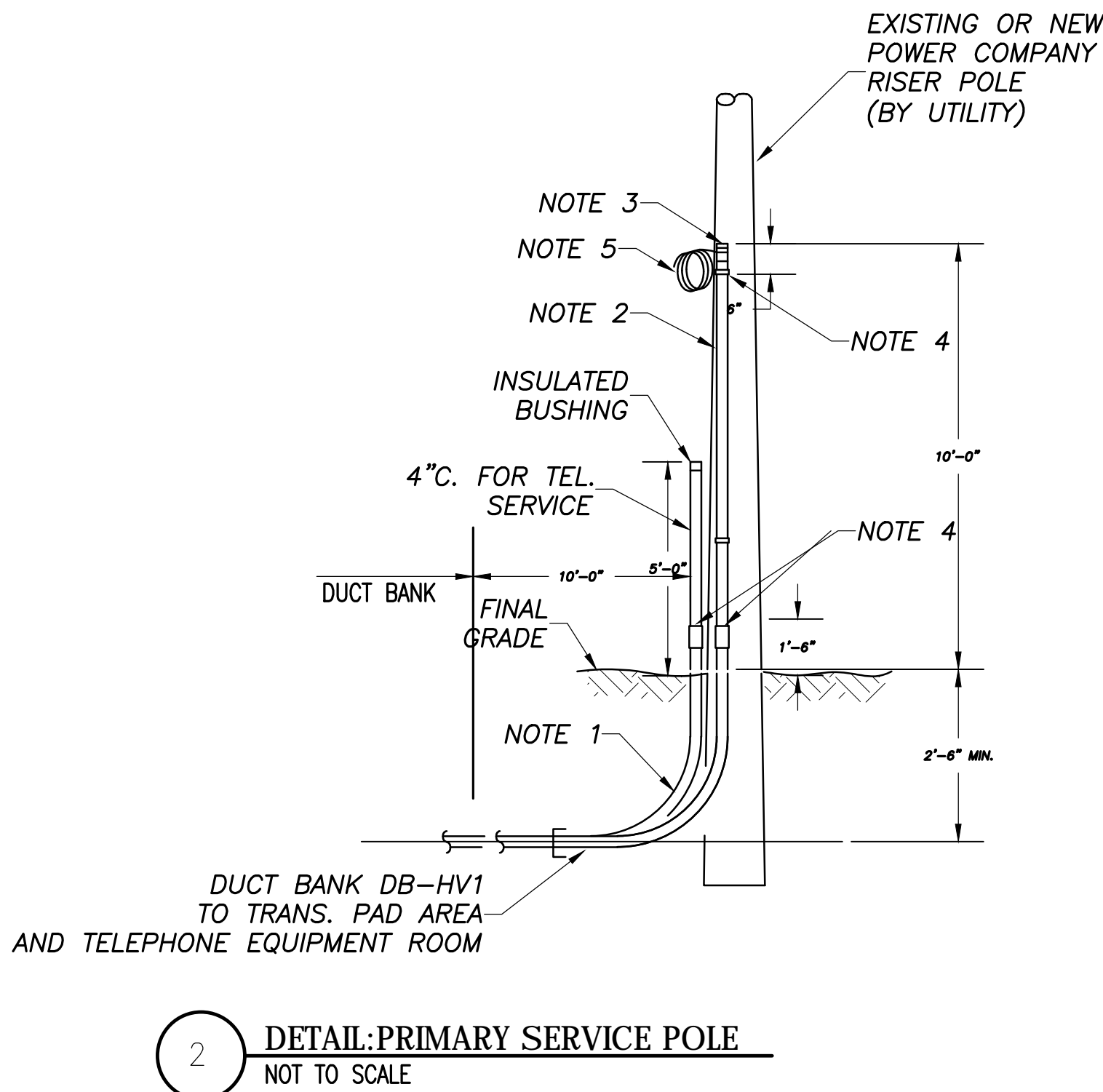
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**STAR CIDER**  
NEW RESEARCH & TASTING FACILITY  
3365 EAST LAKE RD  
TOWN OF CANANDAIGUA  
COUNTY OF ONTARIO  
STATE OF NEW YORK

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GENERAL CONSTRUCTION NOTES:  
1. DOWN SPOUT LOCATIONS SHALL BE FIELD VERIFIED.  
2. THE CONTRACTOR SHALL PROVIDE HORIZONTAL AND VERTICAL "AS-BUILT" LOCATIONS OF ALL DOWN SPOUT LOCATIONS TO THE OWNER.  
3. PIPE MATERIAL UNDER PAVEMENT TO BE SDR-26 PVC OR EQUIVALENT, FOR HEAVY LOADING CONDITIONS.



- NOTES:
- 42 INCH RADIUS CONDUIT ELBOWS.
  - 4" PVC CONDUIT WITH PIPE STRAPS SPACED AT MAXIMUM OF 2'-6" O.C.
  - POWER COMPANY APPROVED GROUNDED, INSULATED BUSHING BONDED TO #4 GROUND CONDUCTOR.
  - POWER COMPANY APPROVED GROUND CLAMP BONDED TO #4 COPPER GROUND CONDUCTOR.
  - COILED SLACK 20'-0" OF #4 COPPER GROUND CONDUCTOR.



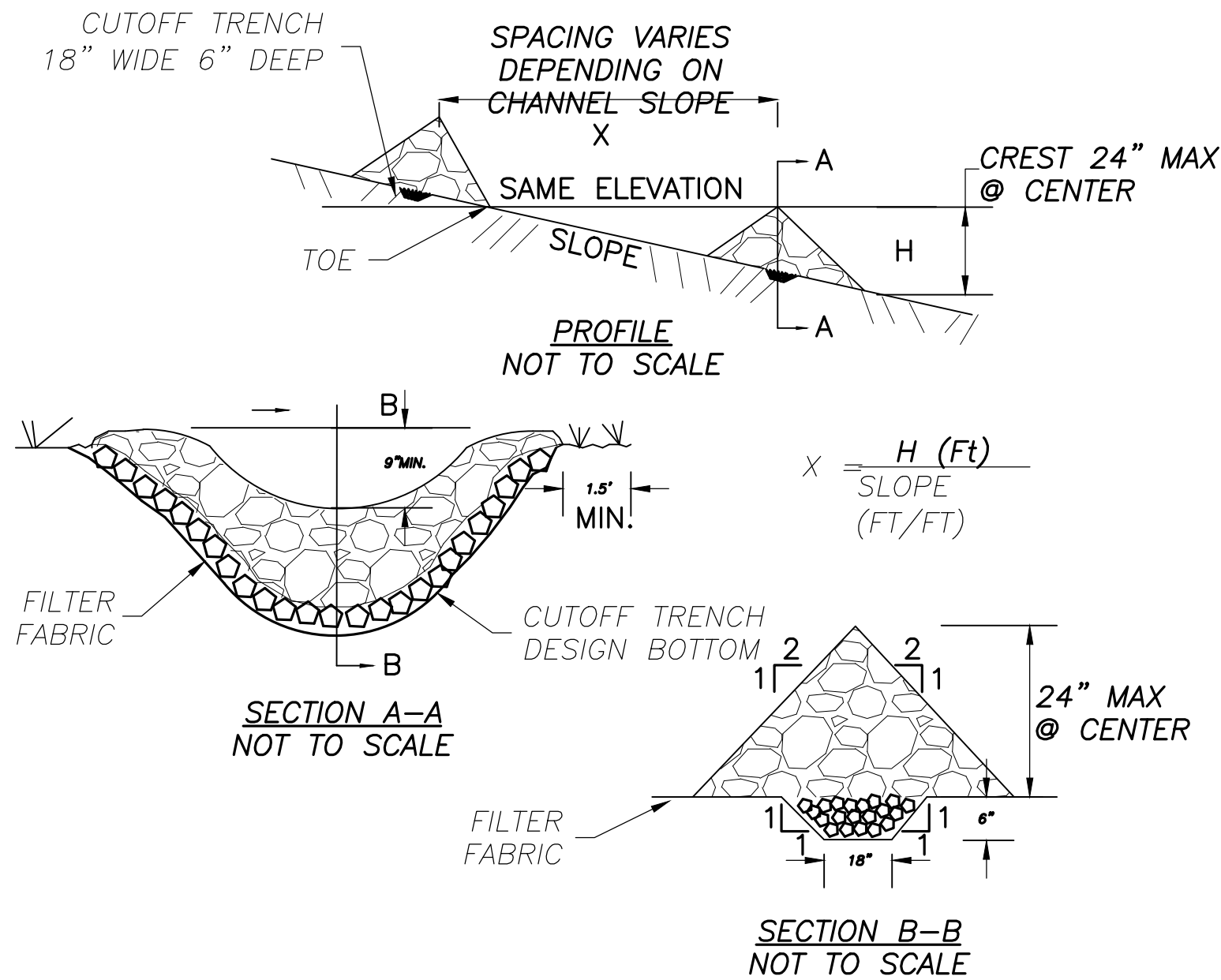
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**C502**





7 CONCRETE SIDEWALK DETAIL  
NTS

CONSTRUCTION SPECIFICATIONS

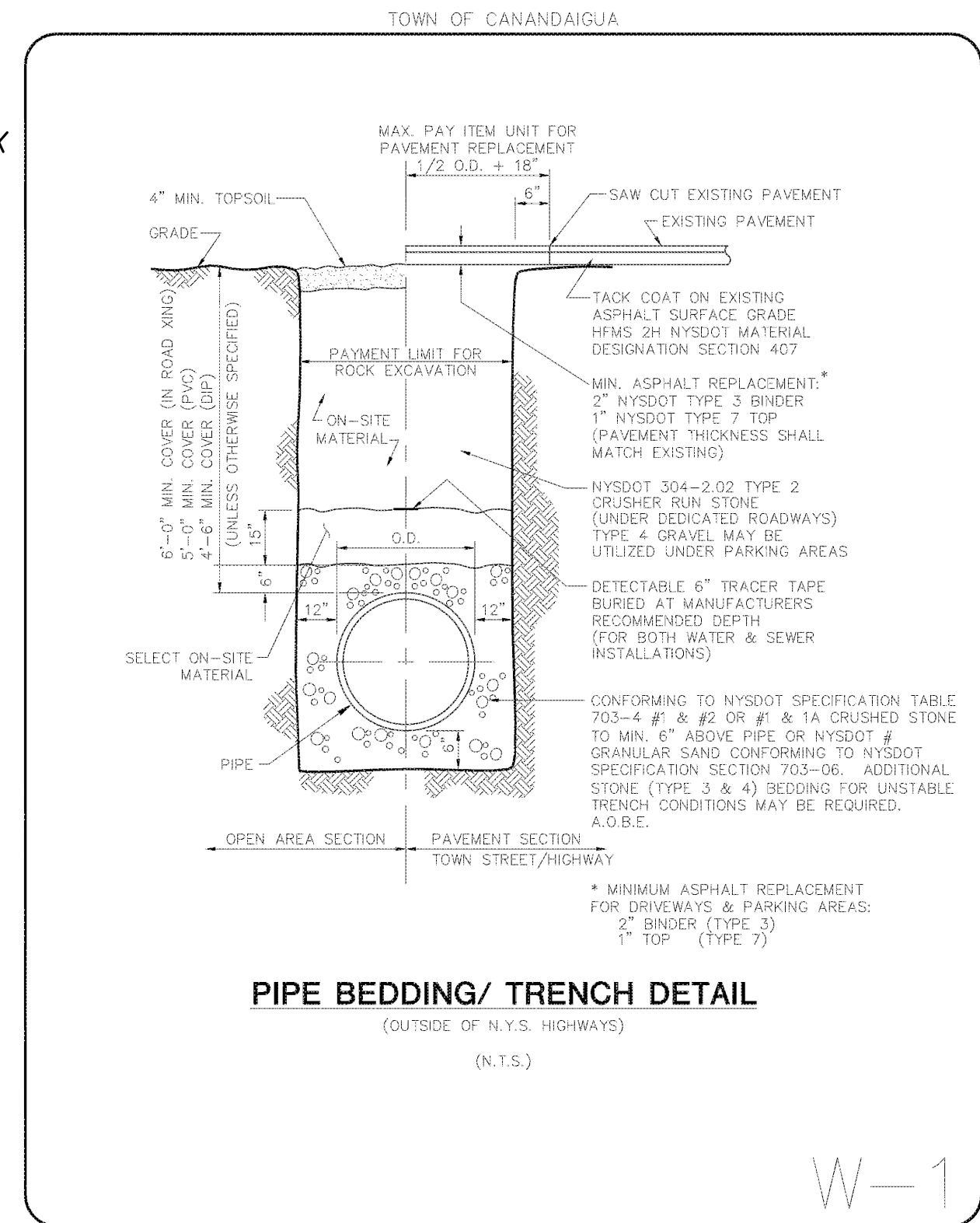
- STONE WILL BE PLACED ON A FILTER FABRIC FOUNDATION TO THE LINES, GRADES AND LOCATIONS SHOWN ON PLAN.
- SET SPACING OF CHECK DAMS TO ASSUME THAT THE ELEVATIONS OF THE CREST OF THE DOWNSTREAM DAM IS AT THE SAME ELEVATIONS OF THE TOE OF THE UPSTREAM DAM.
- EXTEND THE STONE A MINIMUM OF 1.5 FEET BEYOND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

SANITARY LATERAL NOTES

ALL PROJECTS

- All sanitary sewer construction and/or improvements shall be in accordance with the most recent standards and specifications of the Canandaigua Lake County Sewer District, N.Y.S. Department of Environmental Conservation, N.Y.S. Department of Health, the latest edition of *Recommended Standards For Wastewater Facilities* and any other agencies having jurisdiction.
- No sanitary sewer-related work may be performed without first obtaining a written permit from the Canandaigua Lake County Sewer District.
- District personnel shall be notified a minimum of 48 hours prior to beginning any sanitary sewer-related work.
- The contractor shall locate, mark and preserve any right of way monuments or survey control in the area of construction.
- Utility locations shown are approximate only. The contractor shall determine exact location of utilities, excavating to expose the utility, if necessary in the area of construction, before commencing construction. Contact U.F.P.O. at 1-800-962-7962 at least 72 hours prior to beginning work.
- Laterals shall be min. 4" dia. SDR-21 with elastomeric joints; for commercial establishments, laterals are to be 6" dia. SDR-21. Minimum depth of burial is four feet. Cleanouts shall be installed within 30 inches of the outside face of buildings, at all changes in horizontal alignment, at the right of way or easement line, and at spacing not to exceed 90 feet.
- Sewer mains and laterals shall be located a minimum horizontal distance of ten feet from any existing or proposed watermain (as measured from the outside of the sewer/lateral to the outside of the watermain). In cases where the main or lateral crosses a watermain, the minimum vertical separation shall be eighteen inches (measured out-to-out). The crossing shall be arranged so that the sewer joints will be equidistant and as far as possible from the watermain joints.
- The contractor shall provide the District with shop drawings and material specifications that have been pre-approved by the design engineer before a permit will be issued.
- The contractor is responsible for compliance with OSHA requirements in all aspects of construction.
- The contractor shall be responsible for maintaining sanitary flows at all times by methods acceptable to the District.
- Floor drains in basements or garages are to be connected to the sanitary sewer. Floor drains do not include foundation or footer drains installed to intercept uncontaminated groundwater. All discharges to the sanitary sewer must comply with effluent limits of the Ontario County Sewer Use Law. Foundation and footer drains shall be constructed in a manner that prohibits groundwater from draining into the sanitary sewer pipe cradle.

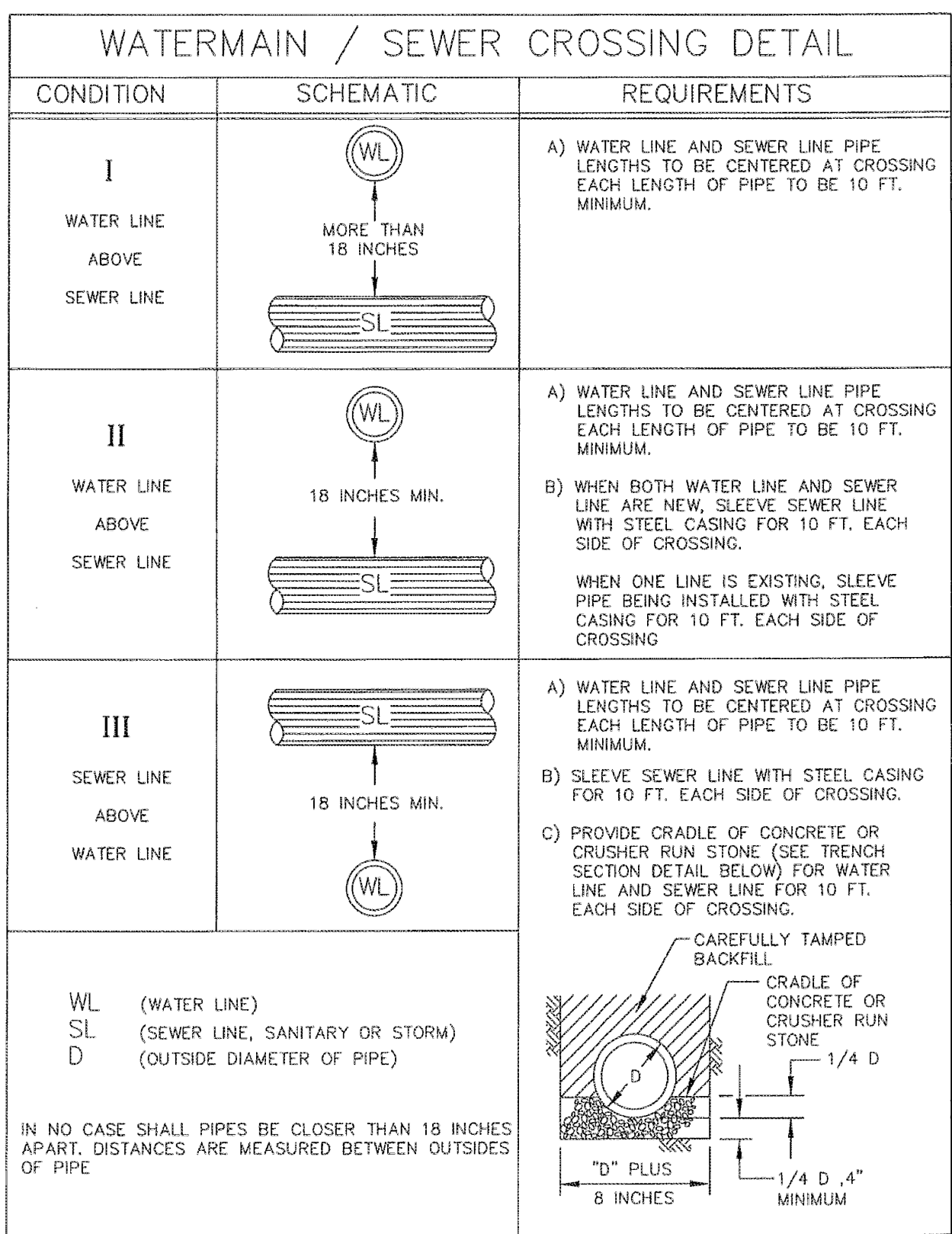
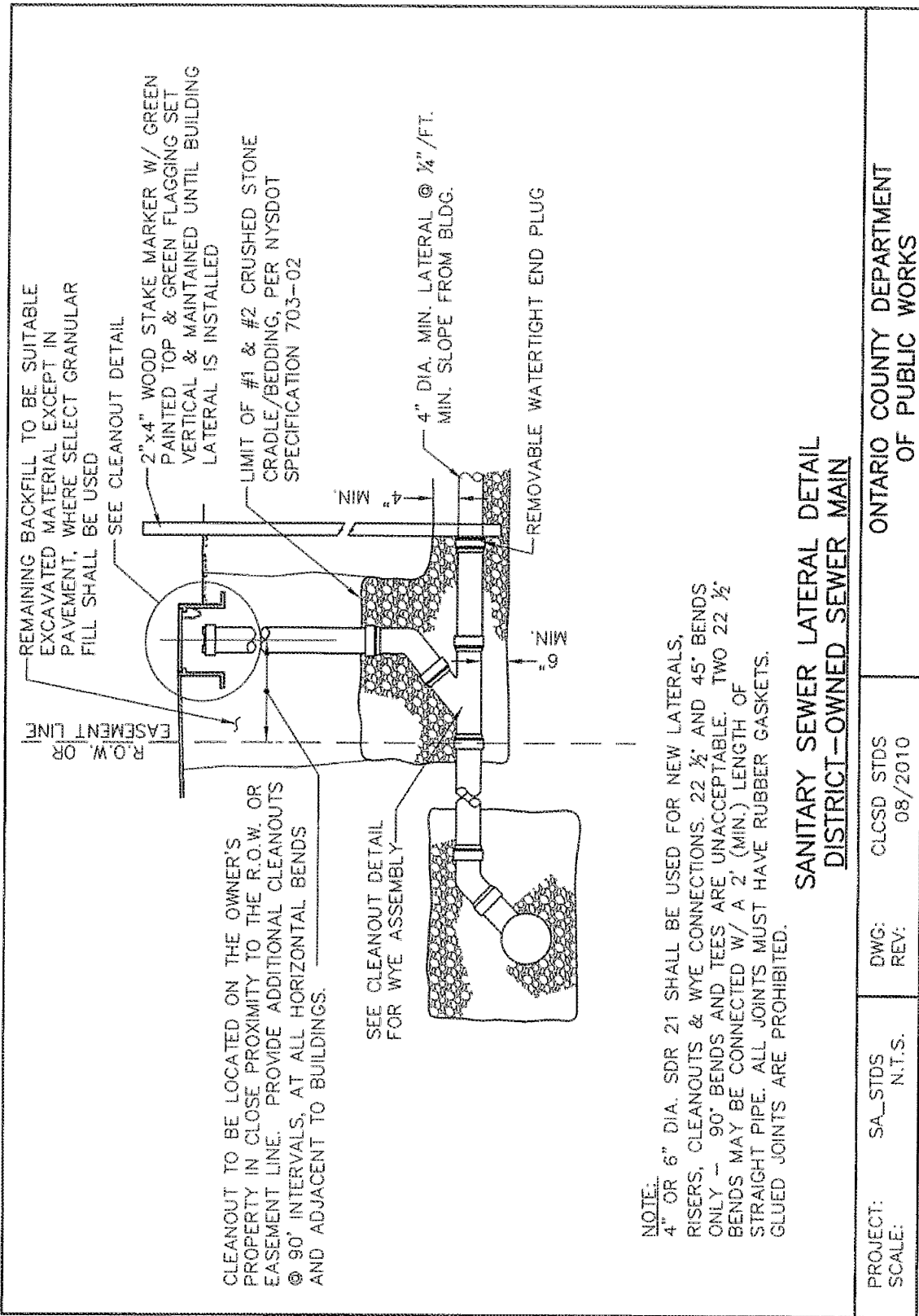
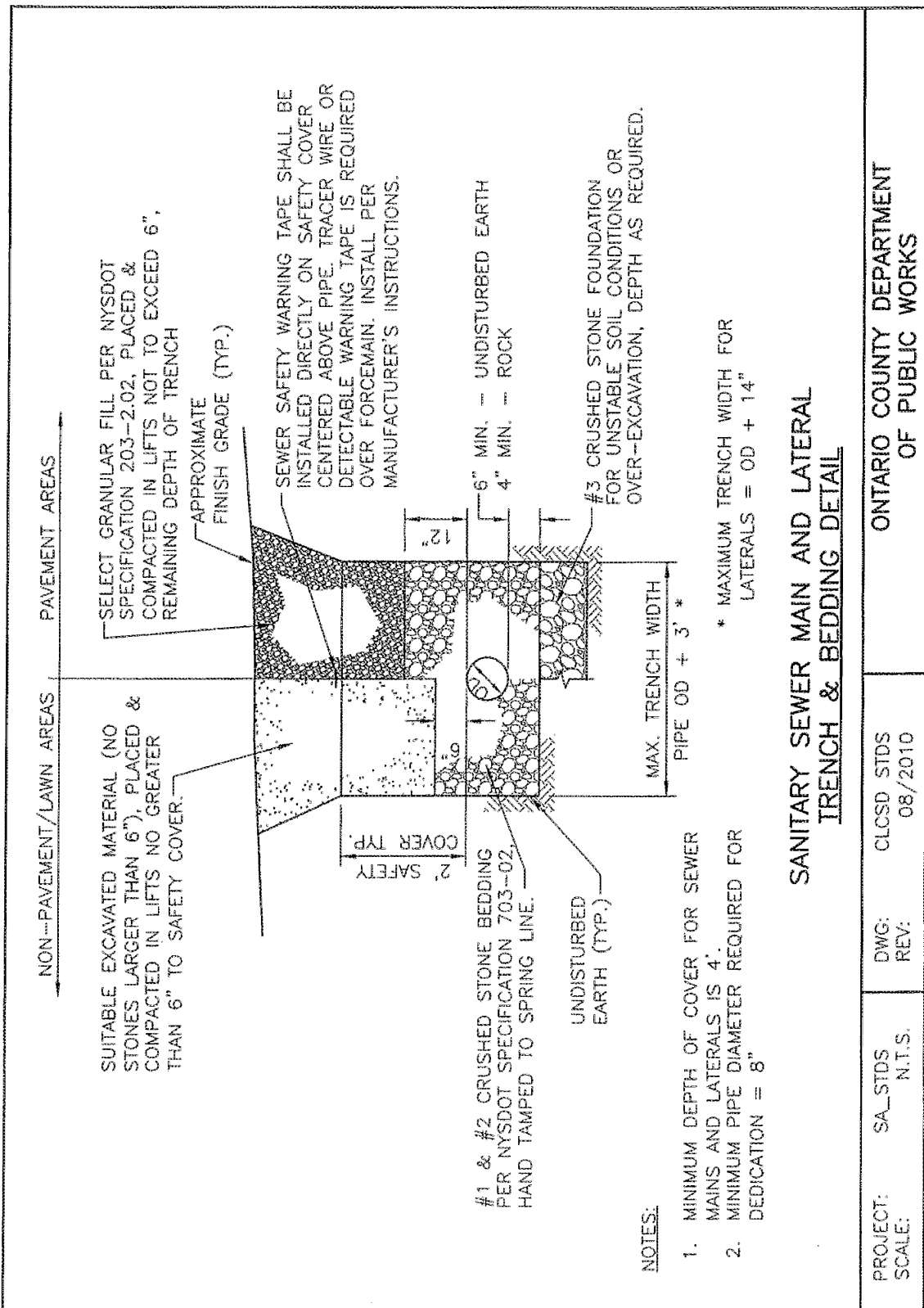
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Town of Canandaigua Site Design & Development Criteria

Adopted 2-13-12

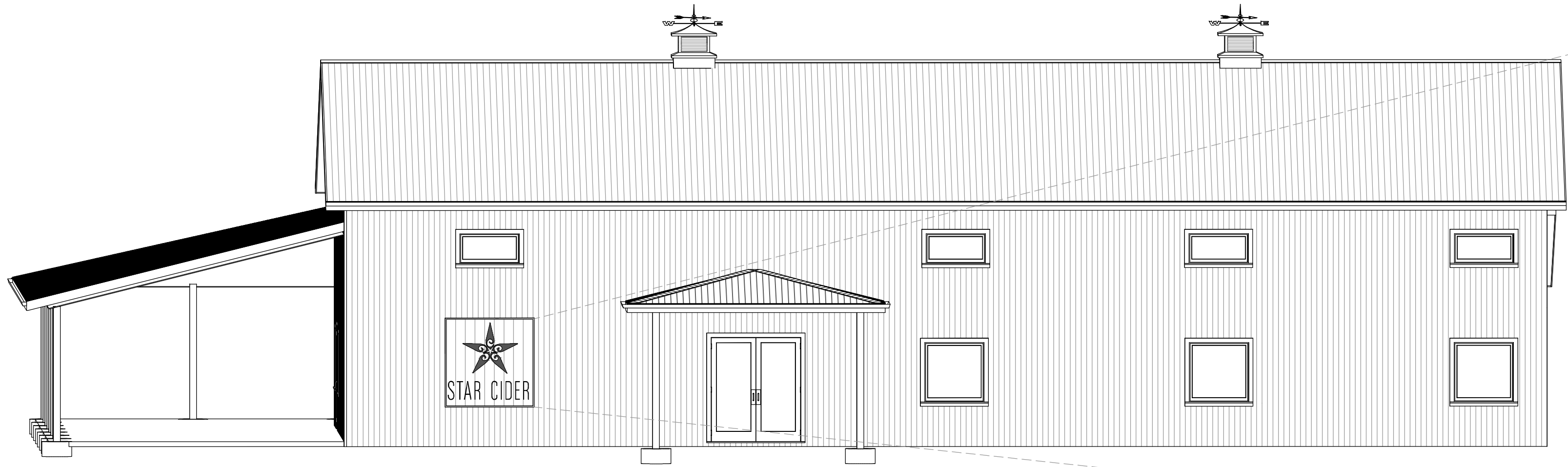


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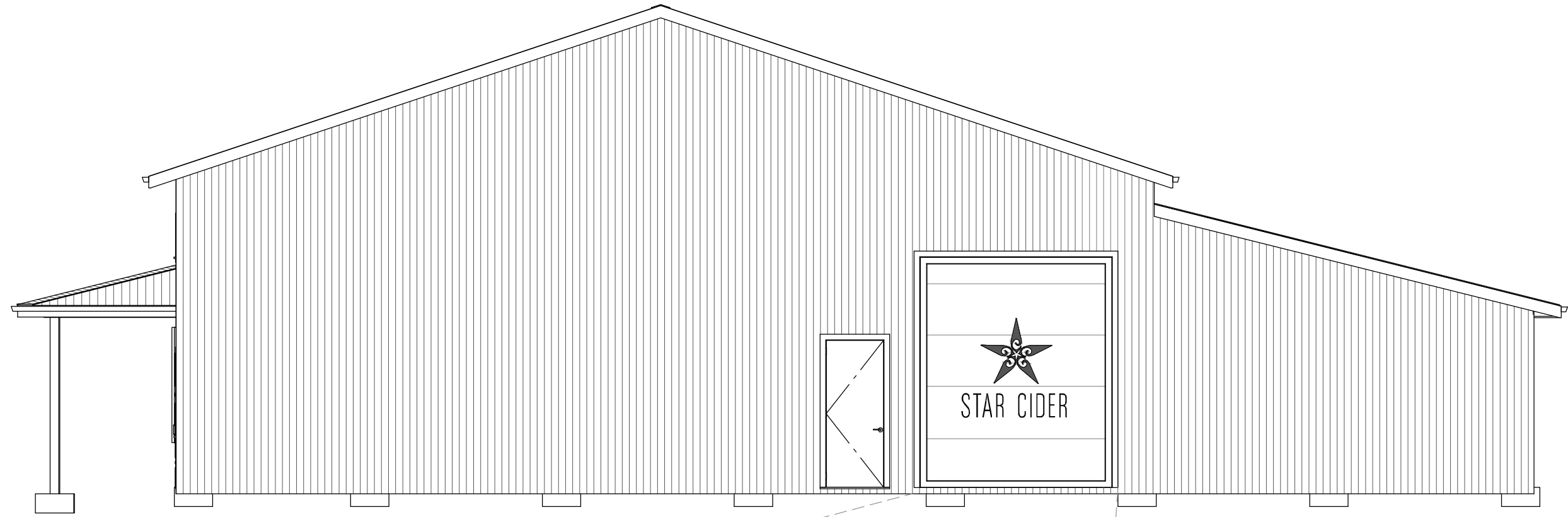
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WEST SIDE OF BUILDING



SOUTH SIDE OF BUILDING



NOTES:  
THE SIGN DIMENSIONS WILL BE 6' X 6'. THE STAR CIDER LOGO AND THE WORDS STAR CIDER WILL BE PAINTED ON THE GARAGE DOOR WITH BLACK PAINT. THE LETTERS WILL BE 1.75' TALL. THE STAR CIDER LOGO WILL BE 4' IN DIAMETER. THE SIGN WILL BE SEALED WITH POLYURETHANE TO SEAL THE PAINT AND PREVENT FLAKING AND AGING.  
DOOR SIZE SUBJECT TO ARCHITECTURAL REVIEW.



WOOD SIGN MOCK UP  
NTS



WOOD SIGN — WEST SIDE BUILDING  
NTS

NOTES:  
THE SIGN DIMENSIONS WILL BE 6' X 6'. THE SIGN BACKING WILL BE MADE OF WOOD THAT IS 1" THICK AND BUILT ON A WOOD FRAME THAT IS CONNECTED TO THE BARN WITH METAL LAG SCREWS. THE STAR CIDER LOGO AND THE WORDS STAR CIDER WILL BE PAINTED ON THE WOOD SIGN WITH BLACK PAINT. THE LETTERS WILL BE 1.75' TALL. THE STAR CIDER LOGO WILL BE 4' IN DIAMETER. THE SIGN WILL BE SEALED WITH POLYURETHANE TO SEAL THE PAINT AND PREVENT FLAKING AND AGING.



ROAD SIGN  
NTS

NOTES:  
6-8" DIAMETER NATURAL LOCUST HARDWOOD LOGS STATIONED IN CONCRETE BASE. THE LOGS WILL BE FASTENED WITH INTERLOCKING JOINTS AND METAL LAG SCREWS FOR ADDED SUPPORT. THE 2 VERTICAL LOG SIGN POSTS WILL BE 7' TALL AND THE TOP HORIZONTAL LOG WILL BE 5.5' LONG. THE INNER SIGN WILL BE MADE OF STEEL AND WILL BE APPROXIMATELY 1/4" THICK. THE STAR CIDER LOGO WILL BE CUT INTO THE METAL WITH A CAD LASER CUTTER. THE STAR CIDER WORDS WILL BE BLACK AND WILL BE 10" TALL. THE STAR CIDER LOGO WILL BE 3' IN DIAMETER. THE METAL SIGN WILL BE 4' X 4'. THE METAL SIGN WILL BE HUNG FROM THE HORIZONTAL SIGN POST USING EYELETS AND METAL CABLE.



MarksEngineering  
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(585)905-0360  
INFO@MARKSENGINEERING.COM



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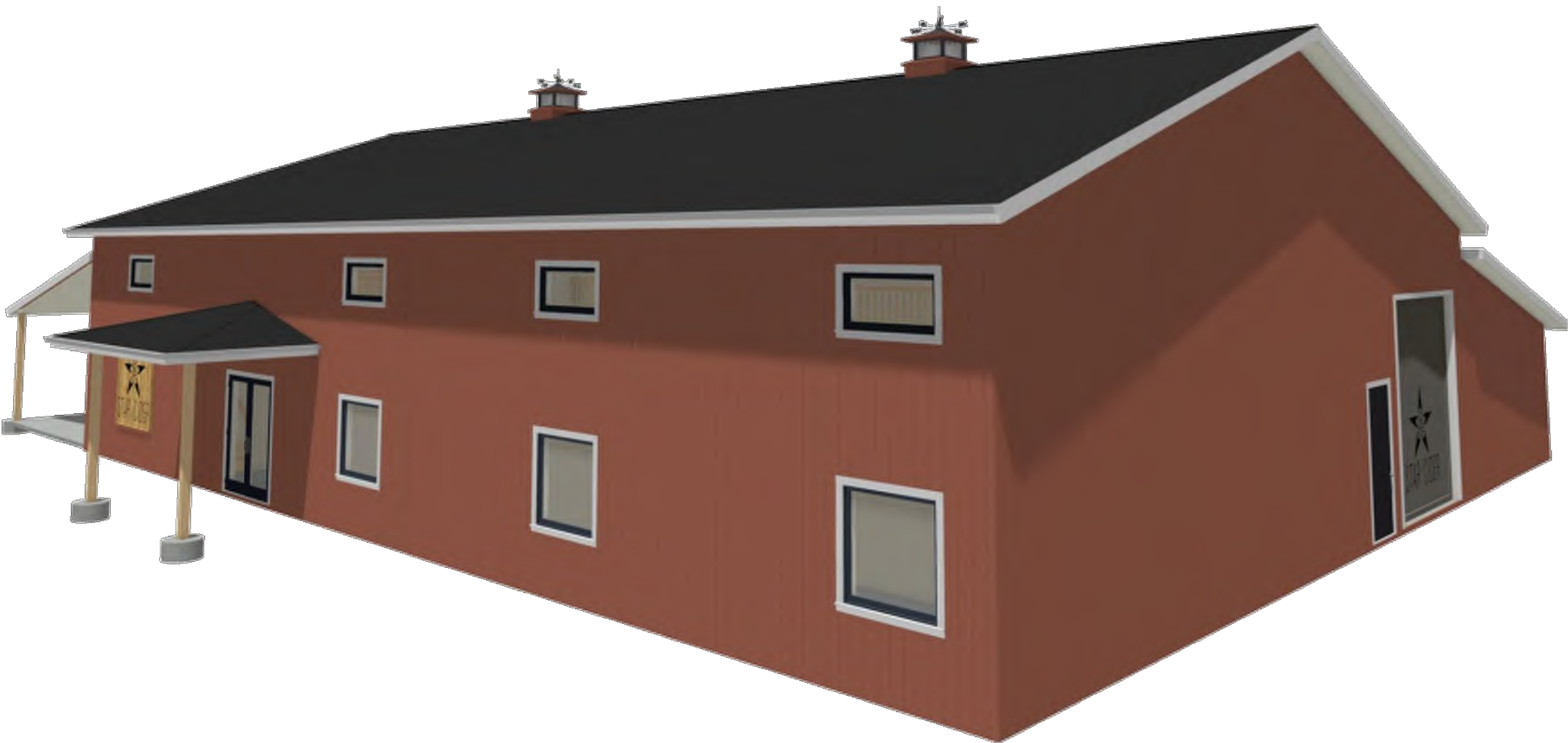
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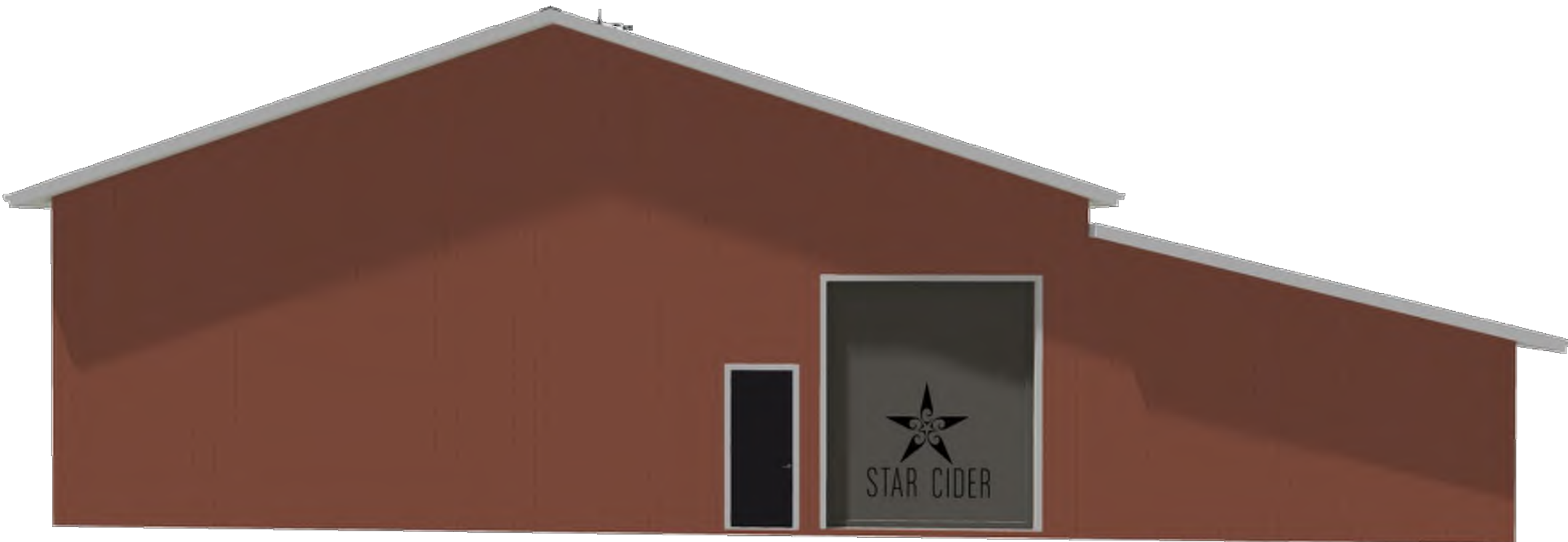
NORTH/EAST



EAST



SOUTH/WEST



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