

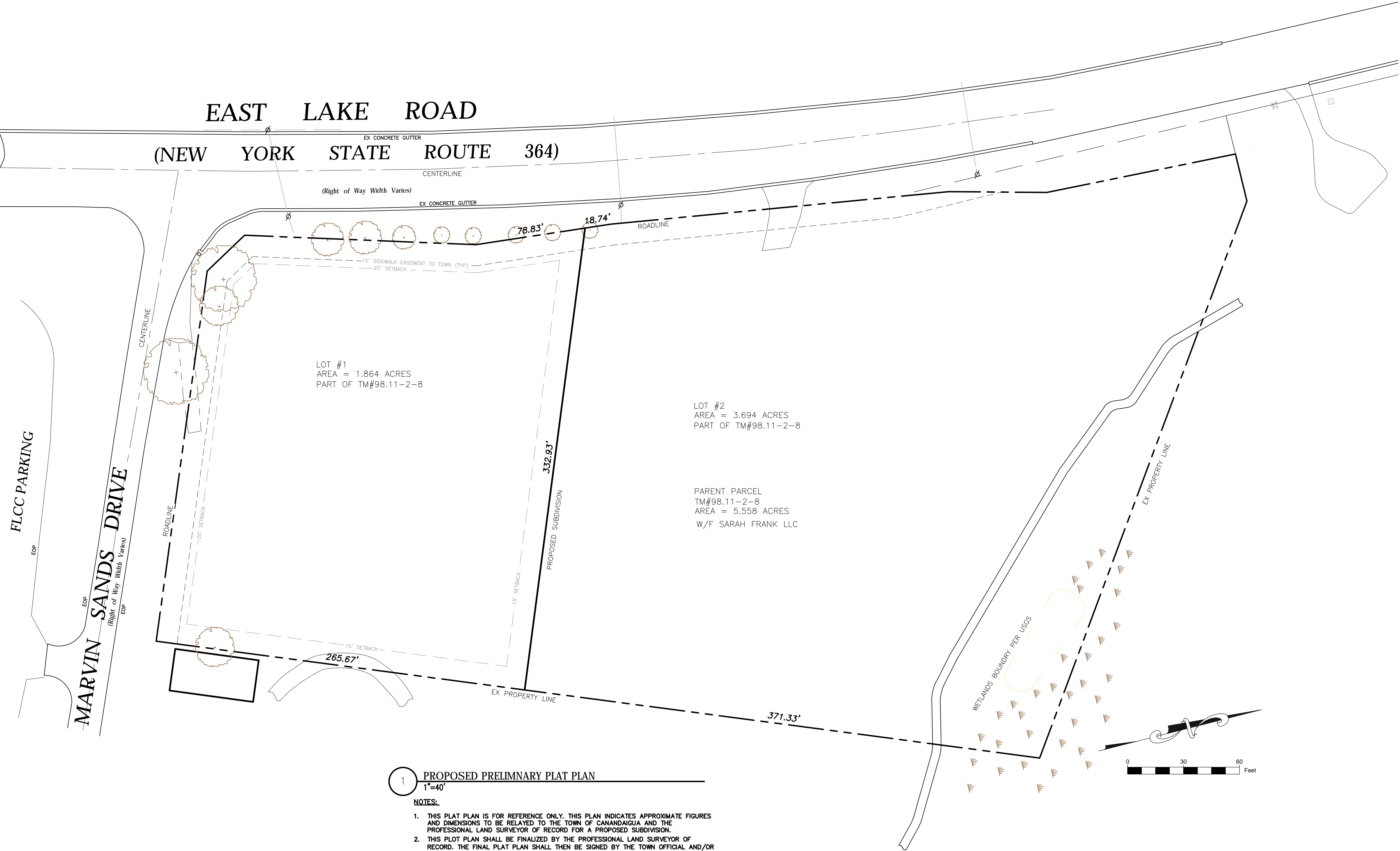
- NOTES:**
- TOPOGRAPHIC SURVEY OF THE SITE WAS PROVIDED BY MARKS ENGINEERING, P.C. ON 01/25/2018.
- MAP REFERENCES:**
- MAP OF SURVEY PREPARED FOR SARAH-FRANK, LLC BY YEARS BOUNDARY DATED DECEMBER 28, 2017 BEING FILE NO. YB5691.

**LOCATION MAP**

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'	143.8'
SIDE SETBACK	20'	15'	30'
REAR SETBACK	40'	15'	90'
BUILDING HEIGHT	35'	35'	28
BLDG LOT COVERAGE	35.00%	60%	6.00%
PARKING	1 PER 25SF (RESTAURANTS)	1 PER 25SF (OVERFLOW)**	13
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.



- 1** **PROPOSED PRELIMINARY PLAT PLAN**  
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.



STAMP

IT IS A VIOLATION OF NYS EDUCATION LAW SECTION 7209 FOR ANY PERSON TO ALTER A DOCUMENT IN ANY WAY, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL. IF A DOCUMENT BEARING THE SEAL IS ALTERED, THE ALTERING PROFESSIONAL SHALL AFFIX TO THE DOCUMENT THEIR SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

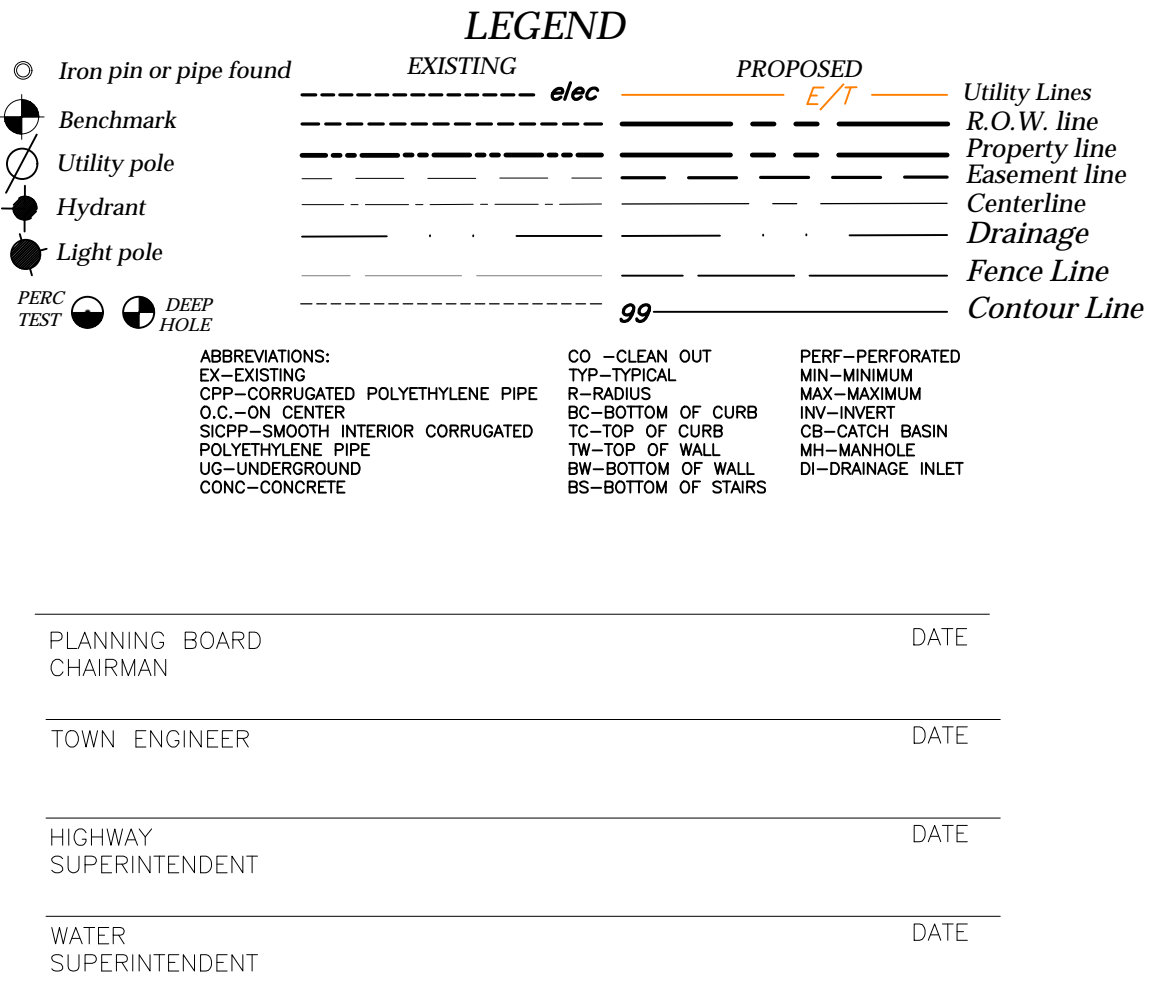
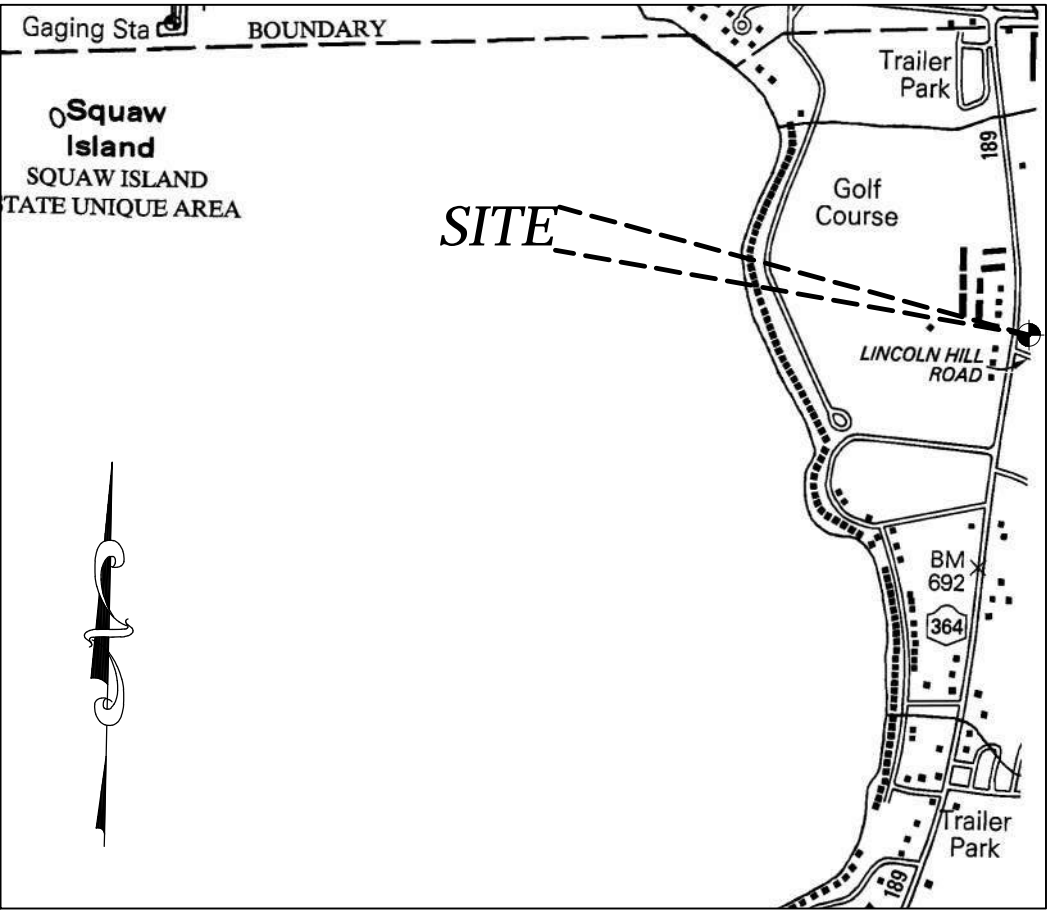
REVISIONS AND APPROVALS			
NO.	DATE	DESCRIPTION OF REVISION OR APPROVAL	BY
1	02/16/18	PER PRC REVIEW	BAM

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

DRAWING TITLE:	
SITE PLAN	
DRAWN BY:	MCF
DESIGNED BY:	BAM
CHECKED BY:	BAM
SCALE:	AS NOTED
JOB NO.:	16-073
DATE:	02/09/2018
TAX MAP#:	98.11-2-8.000

**PLAT**





**SITE NOTES:**

- ALL EXTERIOR LIGHTING SHALL BE DARK SKY COMPLIANT W/ CUT-OFF TO PROHIBIT SHEDDING OF LIGHT ON TO OTHER PROPERTIES.
- THE CONSTRUCTION SITE IS NOT WITHIN 100' OF A WETLAND AS DELINEATED BY NYS DEC. THERE ARE NOT NYS DEC DELINEATED OR APPARENT WETLANDS ON THE PROPERTY AS SHOWN.
- THE CONSTRUCTION SITE IS NOT WITHIN A 100 YEAR FLOODPLAIN AS DELINEATED BY FEMA.
- WATER & SEWER: TOWN OF CANANDAIGUA WATER & CANANDAIGUA LAKE COUNTY SEWER DISTRICT
- TOPOGRAPHIC SURVEY OF THE SITE WAS PROVIDED BY MARKS ENGINEERING, P.C. ON 01/25/2018.
- ELEVATIONS ARE BASED ON NAVD 88 DATUM AND COORDINATES SYSTEM IS BASED ON NAD 83 DATUM.

**MAP REFERENCES:**

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

**GENERAL NOTES:**

- THE CONTRACTOR SHALL MAINTAIN ALL UTILITIES AND PROPERTY MARKERS. IT IS THE NYS LAW TO CALL NYS DIG SAFE FOR UEPD (811) PRIOR TO ANY EXCAVATION.
- THE ROADWAY SHALL BE KEPT FREE OF DEBRIS DURING CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR SAFETY CONTROL DEVICES, SUCH DEVICES (BARRICADES, FENCING, ETC.) SHALL BE IMPLEMENTED TO MINIMIZE RISK OF INJURY TO PEDESTRIANS AND WORKERS. CONSTRUCTION ACTIVITY SHALL BE CONDUCTED WITHIN COMPLIANCE WITH OSHA GUIDELINES.
- PLANS ARE GRAPHIC REPRESENTATIONS OF WORK TO BE PERFORMED. THESE PLANS ARE TO INTENDED TO CONVEY ENGINEERING INFORMATION ONLY.
- CONTRACTOR TO VERIFY ALL PROPERTY LINES, LOCATIONS, GRADES AND INVERTS AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO THE START OF WORK.
- ALL SPECIFIED MATERIALS ARE TO BE INSTALLED AS PER MANUFACTURES RECOMMENDATIONS OR INDUSTRY STANDARD.
- 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 CONDITIONS OR GOVERNING AUTHORITIES WILL BE DONE AT THE RISK OF THE CUENT.
- ALL CONSTRUCTION SHALL COMPLY WITH CURRENT NYS AND LOCAL BUILDING CODES AS WELL AS NATIONAL ELECTRIC CODE.

**CONSTRUCTION SEQUENCE:**

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

**PHOSPHORUS NOTES:**

- 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.

**LOCATION MAP**

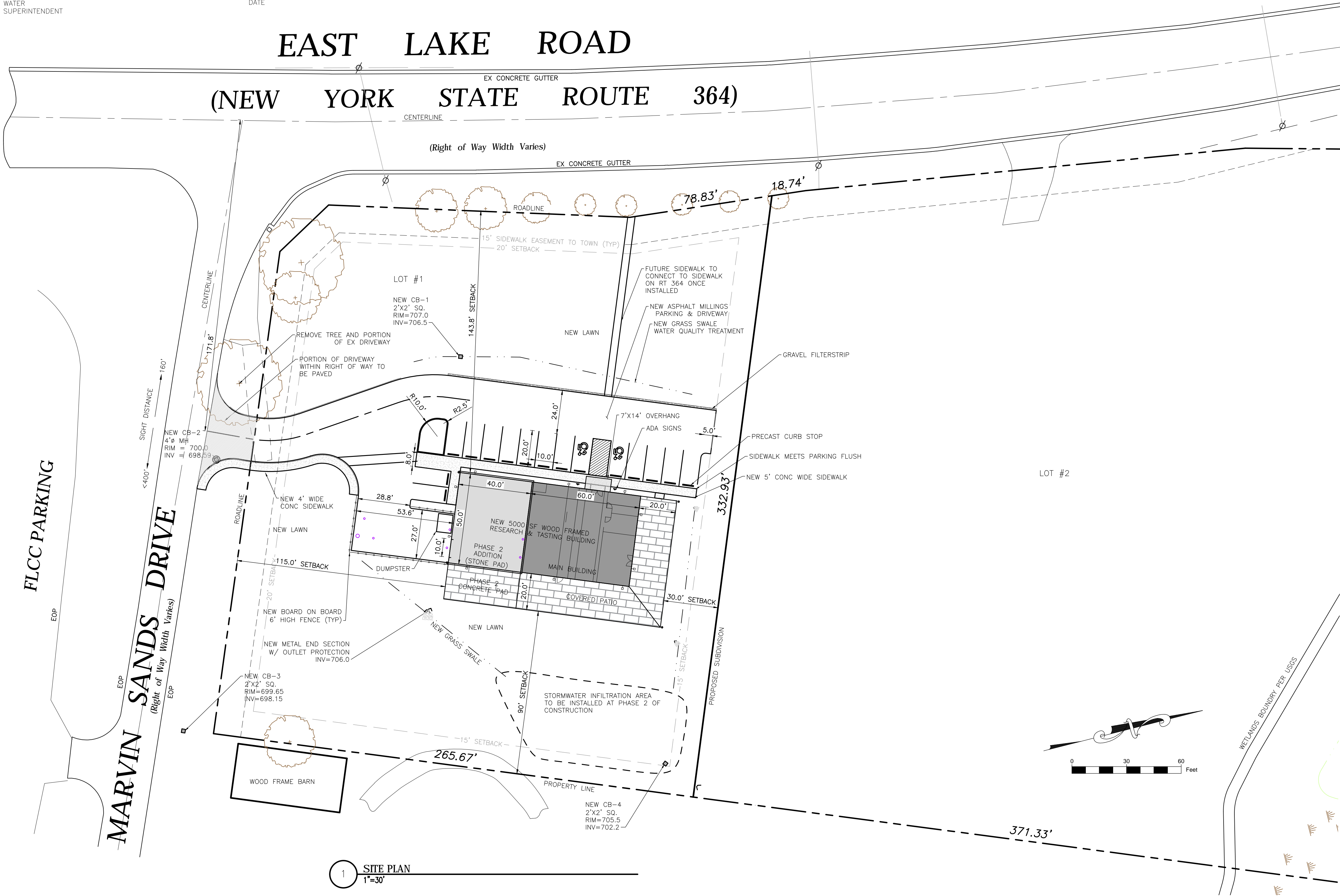
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\*\* 1 PER 25SF PER REQUIREMENTS (TOTALING 20) MET WITH OVERFLOW PARKING WITHIN 500' OF FRONT DOOR.

**TOWN OF CANANDAIGUA NOTES:**

- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- THE OWNER IS RESPONSIBLE 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).
- 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.
- CONSTRUCTION SEQUENCE - ALL PLANS ARE TO BE PROVIDED WITH A DETAILED CONSTRUCTION SEQUENCE. THE CONTRACTOR SHALL COMPLETE CONSTRUCTION AND INSTALL EROSION CONTROL MEASURES IN ACCORDANCE WITH THE APPROVED CONSTRUCTION SEQUENCE UNLESS SPECIFIED OTHERWISE ON THE APPROVED DESIGN PLANS OR AT THE PRE-CONSTRUCTION MEETING.
- 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.
- 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.
- ROOF LEADERS SHOULD BE CONNECTED TO STORM SEWERS WHERE POSSIBLE, UNLESS OTHERWISE SPECIFIED ON THE APPROVED PLANS AND WITHIN THE PROJECT SWPPP.
- 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.
- UPON COMPLETION OF CONSTRUCTION AND ESTABLISHMENT OF VEGETATION, THE STORM WATER MANAGEMENT FACILITIES SHALL BE CLEANED OF ACCUMULATED SILT.



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REVISIONS AND APPROVALS		BY		DATE		DESCRIPTION OF REVISION OR APPROVAL	
NO.	DATE	BY	DATE	NO.	DATE	BY	DATE
1	02/16/18	BAM		1	02/16/18	BAM	

**SITE PLAN FOR:**

**STAR CIDER**

NEW RESEARCH & TASTING FACILITY

3865 EAST LAKE RD

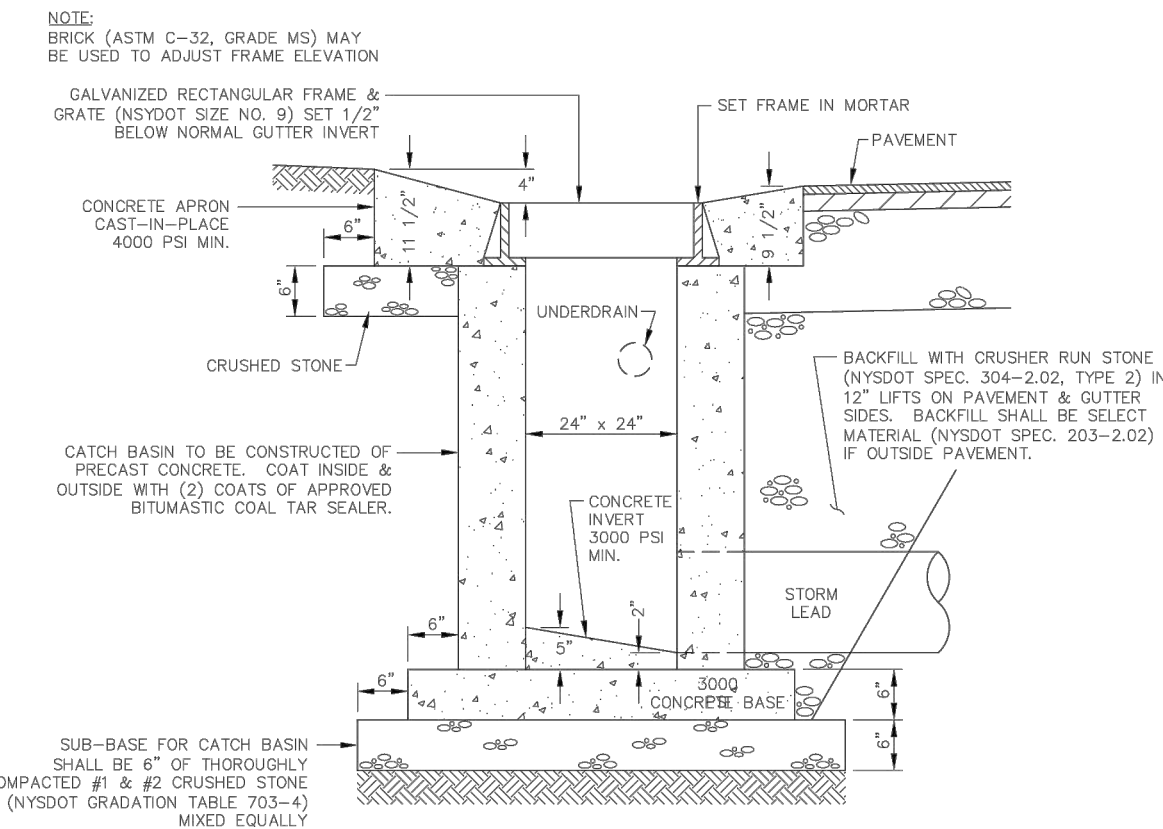
TOWN OF CANANDAIGUA

COUNTY OF ONTARIO

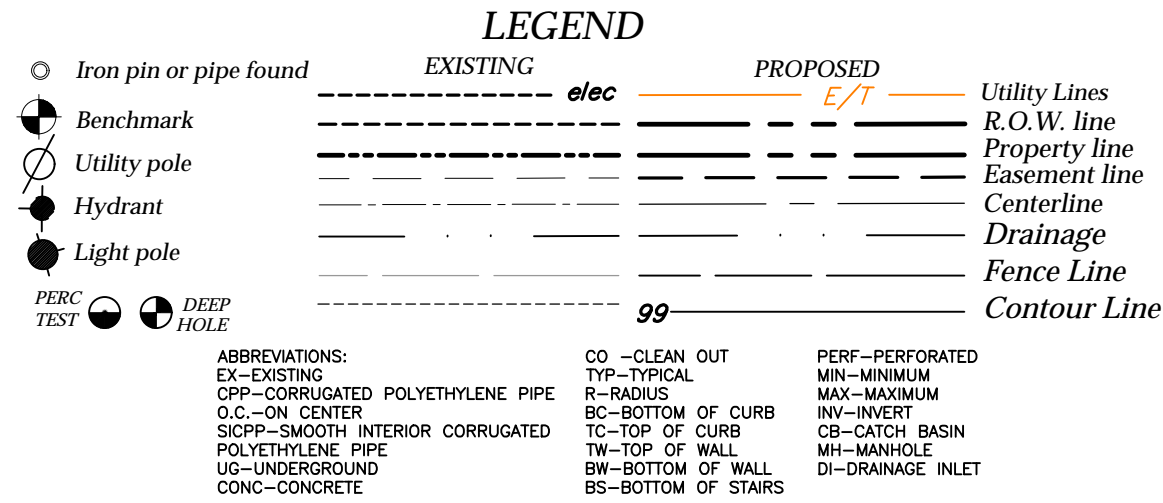
STATE OF NEW YORK

DRAWING TITLE	
SITE PLAN	
DRAWN BY:	MCF
DESIGNED BY:	BAM
CHECKED BY:	BAM
SCALE:	AS NOTED
JOB NO.:	16-073
DATE:	02/09/2018
TAX MAP#:	98.11-2-8.000









TOWN OF CANANDAIGUA STANDARD NOTES

- 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.
- DEVELOPMENT IN THE CANANDAIGUA LAKE WATERSHED THAT REQUIRES POST CONSTRUCTION WATER QUALITY MEASURES SUCH AS DMFS, THE DEVELOPER IS REQUIRED TO PROVIDE DAILY ONSITE OBSERVATION BY A LICENSED PROFESSIONAL OR A CERTIFIED PERSONS IN EROSION AND SEDIMENT CONTROL (CRESS) UNTIL SUCH TIME THAT THE MASS GRADING IS COMPLETED.
- DEVELOPMENT IN THE CANANDAIGUA LAKE WATERSHED DISTURBING MORE THAN 5-ACRES AT ONE TIME, SHALL BE REQUIRED TO COORDINATE THE REGULAR SWPPP OBSERVATIONS REQUIRED BY THE GENERAL PERMIT (GP0-08-00) WITH THE CANANDAIGUA LAKE WATERSHED INSPECTOR AND THE WATERSHED PROGRAM MANAGER.
- SEQUENCE - THE CONTRACTOR SHALL INSTALL EROSION CONTROL MEASURES IN THE FOLLOWING SEQUENCE UNLESS AUTHORIZED OTHERWISE AT THE 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 AROUND TOPSOIL STOCKPILES AND STRIP TOPSOIL LOCATIONS.
  - CONSTRUCT SWALES AND SITUATION OPERATIONS 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.
  - IF SITE PREPARATIONS OCCUR BETWEEN SEPTEMBER 1 AND MARCH 31, ADDITIONAL EROSION CONTROLS MUST BE TAKEN INCLUDING REDUCING THE SIZE OF DISTURBED AREAS AND PLACING HEAVY STRAW MULCH WHERE PRACTICAL.
- PLANS SHOULD INCLUDE RE-SEEDING INSTRUCTIONS INCLUDING MATERIALS AND A TIMETABLE FOR VARIOUS SEEDING
  - SEED ALL CUT AND FILL, TOPSOIL PILES AND PONDS WITHIN FOURTEEN (7) DAYS AFTER COMPLETION.
  - TEMPORARY SEEDING OF DISTURBED AREAS SHALL BE PROVIDED AS FOLLOWS:

THE SURFACE TWO INCHES OF SOIL SHOULD BE LOOSEMED BY DISKING, RAKING, OR BACK-BLADING WITH A BULLDOZER, IMMEDIATELY FERTILIZE WITH 300 POUNDS PER ACRE (OR 7 POUNDS PER 1,000 SQUARE FEET) OF 10-10-10 FERTILIZER. IMMEDIATELY SEED WITH THE FOLLOWING MIX:

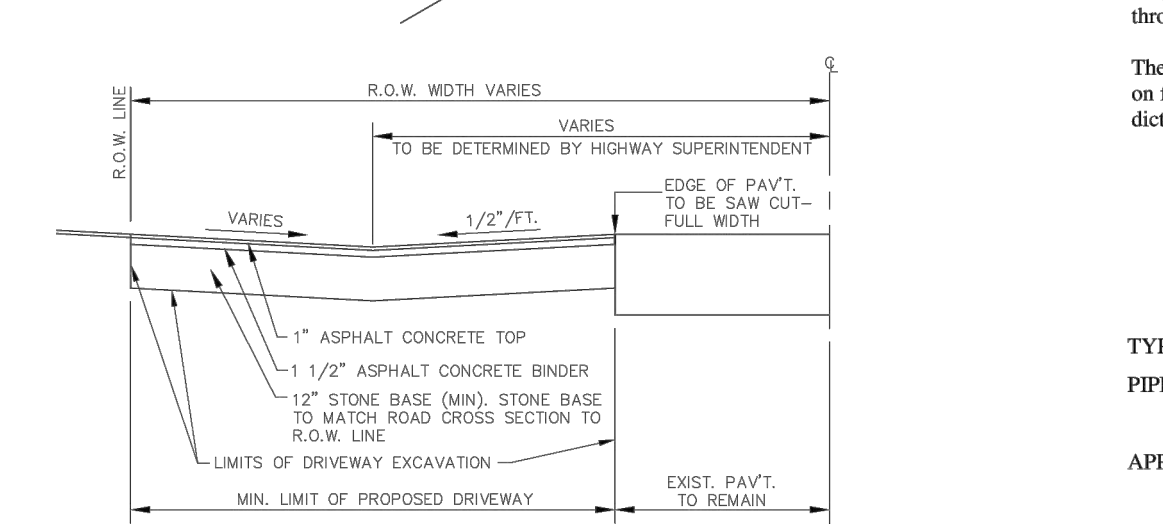
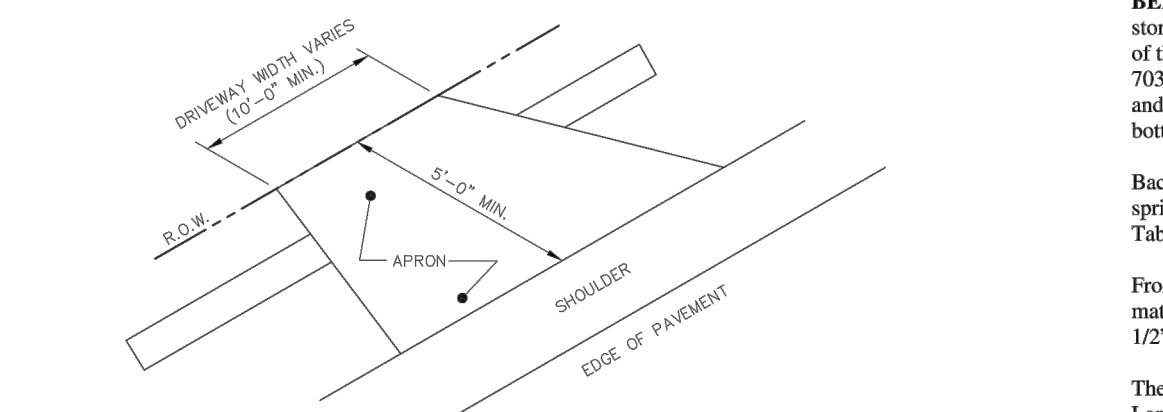
	LB\$/ACRE	LB\$/1,000 SQ. ACRES
SPRING/SUMMER/EARLY FALL MINIMAL RYEGRASS	30	0.7
PERENNIAL RYEGRASS	30	0.7
LATE FALL/EARLY WINTER CEREAL RYE	100	2.5

SEED SHOULD HAVE A GERMINATION RATE OF AT LEAST 85 PERCENT AND MINIMAL INERT MATERIAL. DISTURBED AREAS SHALL BE STABILIZED USING PERMANENT LAWN SEEDING MIX UPON COMPLETION OF GRADING AND CONSTRUCTION:

	LB\$/ACRE	LB\$/1,000 SQ. ACRES
BRIKFOOT TREFOIL OR COMMON WHITE CLOVER TALL FESCUE	8 OR 8	0.30 OR 0.30
REDTOP OR RYEGRASS (PERENNIAL)	2 OR 5	0.05 OR 0.10

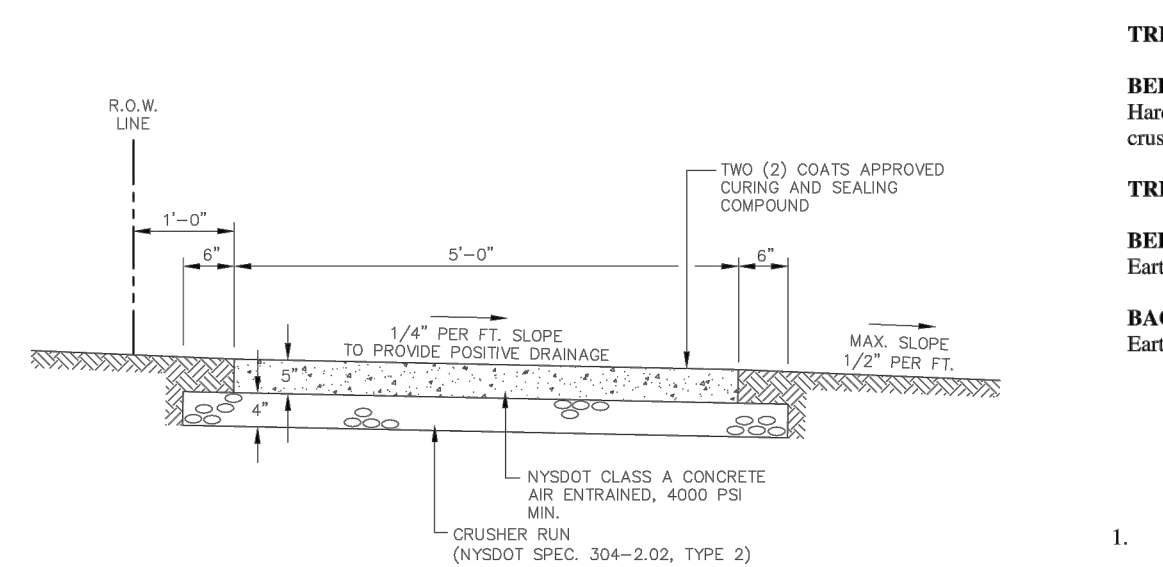
SEEDING RATE:  
MULCH: 6.0 POUNDS PER 1,000 SQUARE FEET  
STRAW OR WOOD FIBER MULCH USED WITH HYDRO SEEDING METHOD AT TWO TONS PER ACRE WITH TRACKER.  
STARTING FERTILIZER: 5:10:10 AT 20 POUNDS PER 1,000 SQUARE FEET.

- FOR FALL OR EARLY WINTER, SEED WITH CERTIFIED "AROSTOCK" WINTER RYE (CEREAL RYE) AT 100 POUNDS PER ACRE.
- PERMANENT STABILIZATION FOR STEEP SLOPES GREATER THAN 3:1 SHALL INCLUDE JUTE MESH BLANKET AND CROWN VETCH SEED WITH PERENNIAL RYEGRASS.



- NOTES:
- DRIVEWAYS FRONTING ON TOWN ROADS SHALL BE PAVED TO THE RIGHT-OF-WAY LINE UNLESS OTHERWISE INDICATED BY THE TOWN.
  - THE APPLICANT SHALL NOTIFY THE HIGHWAY SUPERINTENDENT AT LEAST 48 HOURS PRIOR TO PERFORMING THE WORK TO SCHEDULE A FIELD INSPECTION.
  - A MAXIMUM 3% LEVELING AREA SHOULD BE PROVIDED FOR THE FIRST 30-FEET FROM THE EDGE OF PAVEMENT.

TYPICAL DRIVEWAY APRON DETAIL



NOTE: CONCRETE SIDEWALKS THROUGH DRIVEWAYS SHALL BE INCREASED TO A 6" THICKNESS AND SHALL INCLUDE 6"x6" WIRE MESH (10 GAUGE) FOR REINFORCEMENT.

SIDEWALK DETAIL

(N.T.S.)

PIPE BEDDING DETAILS FOR WATER, SANITARY, AND STORM LINES

MRBgroup, P.C.  
Appendix: W

TYPE OF UTILITY: Watermain  
PIPE MATERIAL: PVC Pressure Pipe  
APPLICABLE PIPE SIZE: 4" I.D. 24"  
TRENCH WIDTH (2): Min. O.D. +12"  
Max. O.D. +24"  
TRENCH CONDITIONS: Select Earth

BEDDING SPECIFICATION: The trench bottom shall be true, even, and free from stones, large dirt clods, or any frozen material with any dimension greater than 1/2" for PVC and 1-1/2" for RTRP. Generally, loose material left by the excavator on the trench bottom or soft material shoveled down from the side-walls will be adequate for bedding the pipe barrel so that it is fully supported. Depressions shall be provided in the trench bottom for pipe bells at each joint and to allow for withdrawal of pipe slings. This is to assure that the pipe barrel lies flat on the trench bottom.

BACKFILL SPECIFICATION: Initial backfill material shall be select earth fill free from rocks, dirt clods, or frozen material with any dimension greater than 1/2" for PVC and 1-1/2" for RTRP. It shall extend 12-inches above the top of the pipe and be properly tamped. If such material is not available on site, then approved crushed stone screenings (NYS DOT Gradation Table 703-4) or coarse sand shall be provided.

The balance of the backfill need not be as carefully selected as the initial material. It shall be placed in uniform layers in such a manner as to provide a uniformly dense backfill load on the pipe and avoid unfilled spaces in the backfill. Rolling equipment shall be used until a minimum of 30" for RTRP and 18" for PVC of backfill material cover the top of the pipe.

PIPE BEDDING DETAILS FOR WATER, SANITARY, AND STORM LINES

MRBgroup, P.C.  
Appendix: W

TYPE OF UTILITY: Sanitary and Storm Sewer  
PIPE MATERIAL: PVC  
APPLICABLE PIPE SIZE: 4" I.D. 15"  
TRENCH WIDTH (2): Min. O.D. +18"  
Max. O.D. +24"  
TRENCH CONDITIONS: Select Earth (3)

BEDDING SPECIFICATION: The trench bottom shall be true, even, and free of large stones, large dirt clods, and any other frozen material as approved by the Engineer. A minimum of three (3) inches of No. 1 and No. 1A crushed stone mixed equally (NYS DOT Gradation Table 703-4) shall be installed and tamped to provide satisfactory bedding for the pipe which is firm and gives continuous support of the pipe barrel. Depressions shall be hollowed in the trench bottom for pipe bells at all joints in this granular lift.

Backfill Specification: Initial backfill from the top of the pipe bedding material to the spring line of the pipe shall consist of No. 1 and No. 1A crushed stone (NYS DOT Gradation Table 703-4) mixed equally.

From the spring line of the pipe to 12" above the top of the pipe approved select backfill material, free of large stones, dirt clods, or frozen material with any dimension greater than 1-1/2" shall be installed.

The remainder of the backfill material need not be as carefully selected as the initial backfill. Large stones shall be avoided that could damage the installed pipe when dropped or when force through the soil cushion of the initial backfill.

The consolidation of the final backfill above the initial material has no effect, except for weight, on flexible pipe performance. Therefore, its placement and compaction requirements shall be as dictated with consideration of the proposed surface use.

PIPE BEDDING DETAILS FOR WATER, SANITARY, AND STORM LINES

MRBgroup, P.C.  
Appendix: W

TYPE OF UTILITY: Storm Sewer  
PIPE MATERIAL: Reinforced Concrete Pipe (RCP) and Corrugated Steel Pipe (CSP), Corrugated PVC.  
APPLICABLE PIPE SIZE: 12" I.D. 27" for RCP  
12" I.D. 24" for CSP  
12" I.D. 24" for C. PVC  
TRENCH WIDTH (2): Max. O.D. +24"  
TRENCH CONDITIONS: Select Earth

BEDDING SPECIFICATION: See instructions for PVC Sewer Pipe, Bedding in Select Earth and substitute No. 1 and No. 2 crushed stone mixed equally for No. 1 and No. 1A crushed stone.

BACKFILL SPECIFICATION: See instructions for PVC Sewer Pipe, Backfill in Select Earth and substitute No. 1 and No. 2 crushed stone mixed equally for No. 1 and No. 1A crushed stone.

TRENCH CONDITIONS: Rock or Hard Pan.

BEDDING SPECIFICATION: See instructions for PVC, Sewer Pipe, Bedding in Rock or Hard Pan and substitute No. 1 and No. 2 crushed stone mixed equally for No. 1 and No. 1A crushed stone.

TRENCH CONDITIONS: Wet Earth (3).

BEDDING SPECIFICATION: See instructions for PVC, Sewer Pipe, Bedding in Wet Earth and substitute No. 1 and No. 2 crushed stone for No. 1 and No. 1A crushed stone.

BACKFILL SPECIFICATION: See instructions for PVC Sewer Pipe, Backfill in Select Earth and substitute No. 1 and No. 2 crushed stone for No. 1 and No. 1A crushed stone.

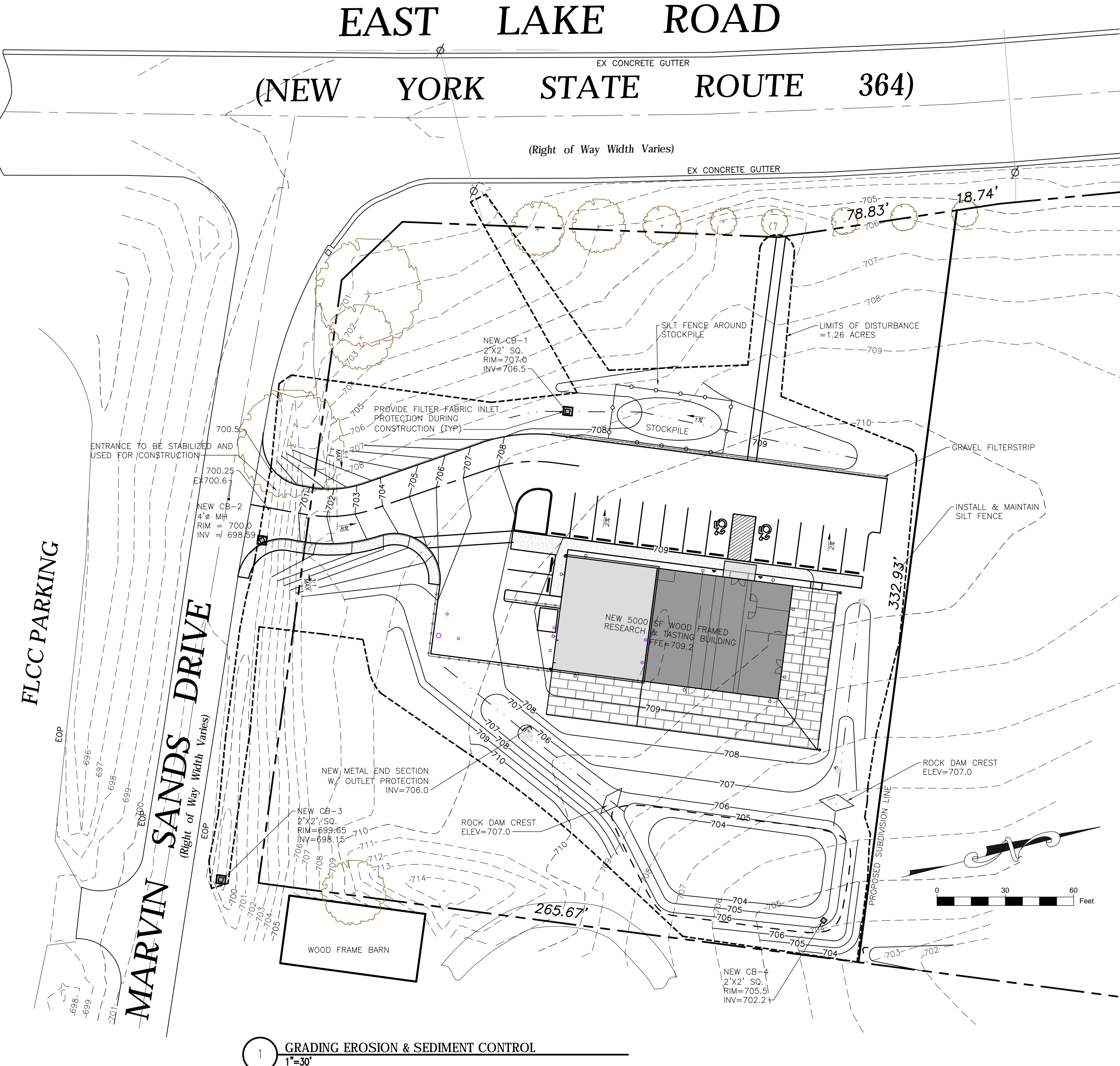
PIPE BEDDING DETAILS FOR WATER, SANITARY, AND STORM LINES

MRBgroup, P.C.  
Appendix: W

- These details are to be used by Developers as minimum standards of design. Individual projects, local soil conditions, and intended use are the design parameters that should be considered by the Developer's Engineer when he/she designs the bedding requirements for a proposed development.
- Trenches shall be of such extra width, when required, to permit placement of timber supports, sheeting, bracing, and appurtenances.
- When wet earth or other unstable subgrade conditions are encountered, the pipe diameter and height of fill will be the controlling factors for additional stone bedding requirements.

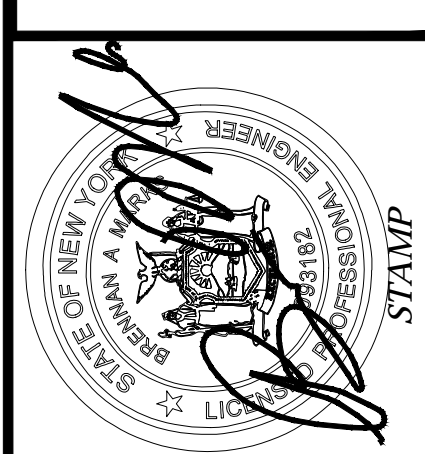
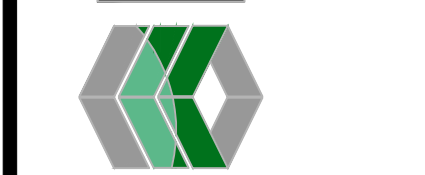
DRIVEWAY, AND GRADING NOTES:

- 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.
- 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.



1 GRADING EROSION & SEDIMENT CONTROL

1"=30'



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REVISIONS AND APPROVALS		BY		DATE	
NO.	DESCRIPTION OF REVISION OR APPROVAL	BY	DATE	NO.	DATE
1	PER PRC REVIEW	BAM	02/16/18		

SITE PLAN FOR:  
STAR CIDER  
NEW RESEARCH & TASTING FACILITY  
3885 EAST LAKE RD  
TOWN OF CANANDAIGUA  
COUNTY OF ONTARIO  
STATE OF NEW YORK

DRAWING TITLE:

GRADING PLAN

DRAWN BY:	MCF
DESIGNED BY:	BAM
CHECKED BY:	BAM
SCALE:	AS NOTED
JOB NO.:	16-073
DATE:	02/09/2018
TAX MAP#:	98.11-2-R.000

C300







Iron pin or pipe found

Benchmark

Utility pole

Hydrant

Light pole

PERC TEST

DEEP HOLE

EXISTING

-----

elec

PROPOSED

-----

Utility Lines

R.O.W. line

Property line

Easement line

Centerline

Drainage

Fence Line

Contour Line

ABBREVIATIONS:

EX-EXISTING

Q.C.-ON CENTER

SCPP-SMOOTH INTERIOR CORRUGATED POLYETHYLENE PIPE

UG-UNDERGROUND

CONC-CONCRETE

CO-CLEAN OUT

TYP-TYPICAL

BC-BOTTOM OF CURB

TC-TOP OF CURB

TW-TOP OF WALL

BW-BOTTOM OF WALL

BS-BOTTOM OF STAIRS

MIN-MINIMUM



MAX-MAXIMUM

INV-INVERT

CB-CATCH BASIN

MH-MANHOLE

DI-DRAINAGE INLET

LUMINAIRE SCHEDULE											
CALLOUT	SYMBOL	LAMP	DESCRIPTION	BALLAST	MOUNTING	MODEL	VOLTS	NOTE 1	NOTE 2	NOTE 3	QUANTITY
CWPF3S		(1) CXB2540	Cast black painted metal wall mounting bracket, cast black painted finned metal housing, one circuit board with one led array, convex glass lens in a formed black painted metal trim plate.	ELECTRONIC	WALL	C-LITE C-WP-A-FC13-3L-40K-DB	120V 1P 2W			ree inc. 12/27/2016 base up Serial Number: PL09923-001 120.00V, 275A, and 32.50W TEST PROCEDURE: IESNA-LM-79-08 TEST DISTANCE = 28.5 Ft Integral 3516.7 LMS	10
LS		(1) 3 LEDS, 3000K.	SQUARE HOOD LEDDIE CAST ALUMINUM HOUSING AND SWIVEL LED LED ARRAY WITHHEATSINK, CLEAR LENS.	ELECTRONIC	SURFACE	KIM LIGHTING, KLVL206-3L3K	120V 1P 2W	12 VOLT.		01 12/03/13 SYSTEM WATTS= 10.0 LANDSCAPE NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED. 367	2



1 PHOTOMETRIC & LIGHTNG PLAN  
1"=30'

MarksEngineering

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STATE OF NEW YORK  
BRIAN A. MARKS  
Professional Engineer  
No. 135187  
Lic. Exp. 12/31/2025

STAMP

REVISIONS AND APPROVALS		
NO.	DATE	DESCRIPTION OF REVISION OR APPROVAL

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:  
LIGHTING PLAN

DRAWN BY:	MCF
DESIGNED BY:	BAM
CHECKED BY:	BAM
SCALE:	AS NOTED
JOB NO.:	16-073
DATE:	02/09/2018
TAX MAP#:	98.11-2-8.000

P100

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TOWN SPECIFICATIONS:

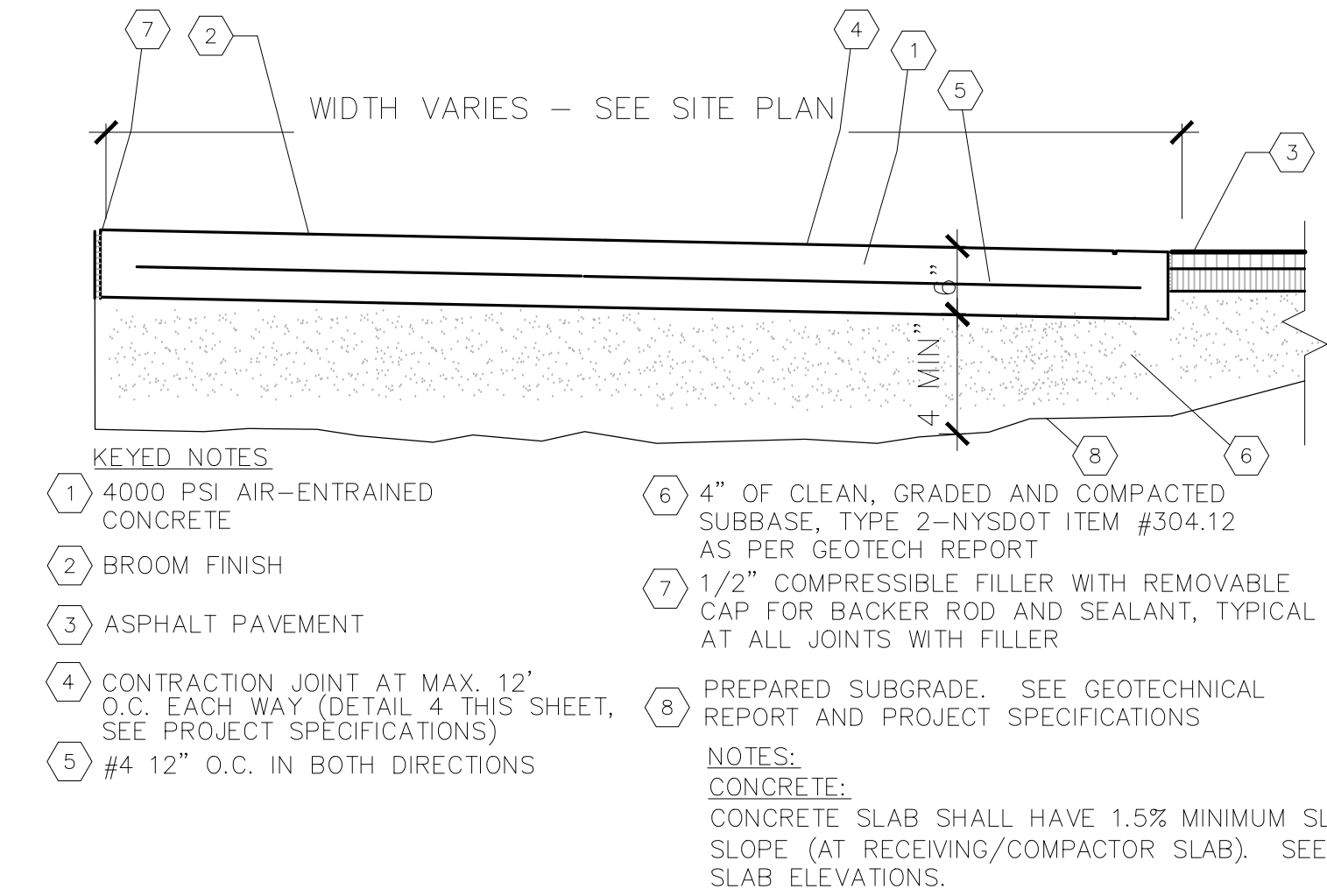
- 3.3 STORM DRAINS
- a) REINFORCED CONCRETE PIPE (RCP) SHALL BE SUPPLIED IN CONFORMANCE WITH ASTM C-76 CLASS II. JOINTS SHALL BE OF THE BELL AND SPIGOT TYPE WITH COMPRESSION TYPE JOINT ASTM C-443
  - b) POLYVINYL CHLORIDE (PVC) PIPE SHALL MEET THE REQUIREMENTS OF ASTM D-3034 OR ASTM F-679, MINIMUM WALL THICKNESS SDR-35 WITH ELASTOMERIC GASKET 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).

- 3.4 MANHOLES
- a) MANHOLES
- 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 PREFORMED 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 5-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 APPROVED EQUAL. THE INSIDE DIAMETER FOR 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 CANANDAIGUA LAKE WATERSHED SHALL BE IN STALLED WITH A PERMANENT METALLIC MARKER INDICATING "NO DUMPING - DRAINS TO LAKE".

- 3.5 WATER MAINS
- a) DUCTILE IRON (DIP) 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.
  - f) 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 ALLOW 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.
- 3.8 GATE VALVE AND BOX
- a) GATE VALVES SHALL CONFORM TO AWWA 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 VB3000 SERIES, OR APPROVED EQUAL, TWO-PIECE SCREW-TYPE, CAST-IRON CONSTRUCTION, VALVE BOX, WITH A 5-1/4 INCH INSIDE DIAMETER AND COVERS MARKED "WATER". IF THE VALVES ARE BURIED DEEP THEY MUST HAVE A VALVE BOX EXTENSION.
- 3.9 TAPPING SLEEVE AND VALVE
- 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

- 3.10 ANCHORING FITTINGS
- a) 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.

- 3.14 CONCRETE GUTTERS AND SIDEWALKS
- a) 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.
- 4.7 BACKFILLING AND FINISHING
- 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 UNOBSTRUCTED, 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.



STANDARD ACCESSIBLE DIMENSIONING

NOTES:

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.

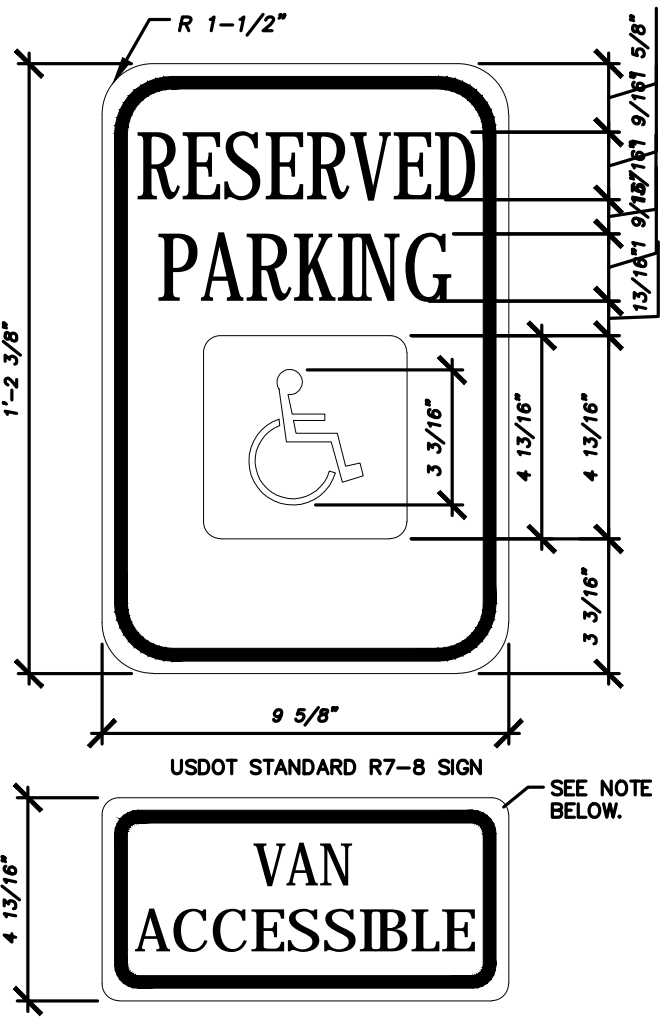
2. ACCESSIBLE PARKING SPACES AND ACCESS AISLES SHALL BE LEVEL WITH A SLOPE OF 1/12% (2% MAXIMUM). (EXAMPLE: 1.92 INCHES MAX. VERTICAL IN 8 FEET. HORIZONTAL OR 1.50 IN ALL DIRECTIONS. THIS INCLUDES BOTH "RUNNING SLOPES" AND "CROSS SLOPES.")

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

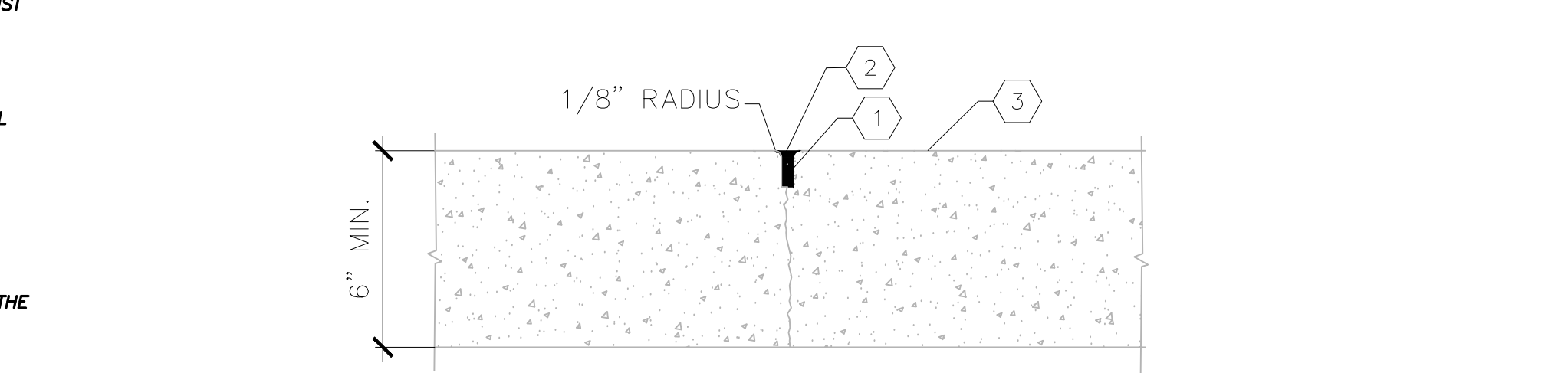
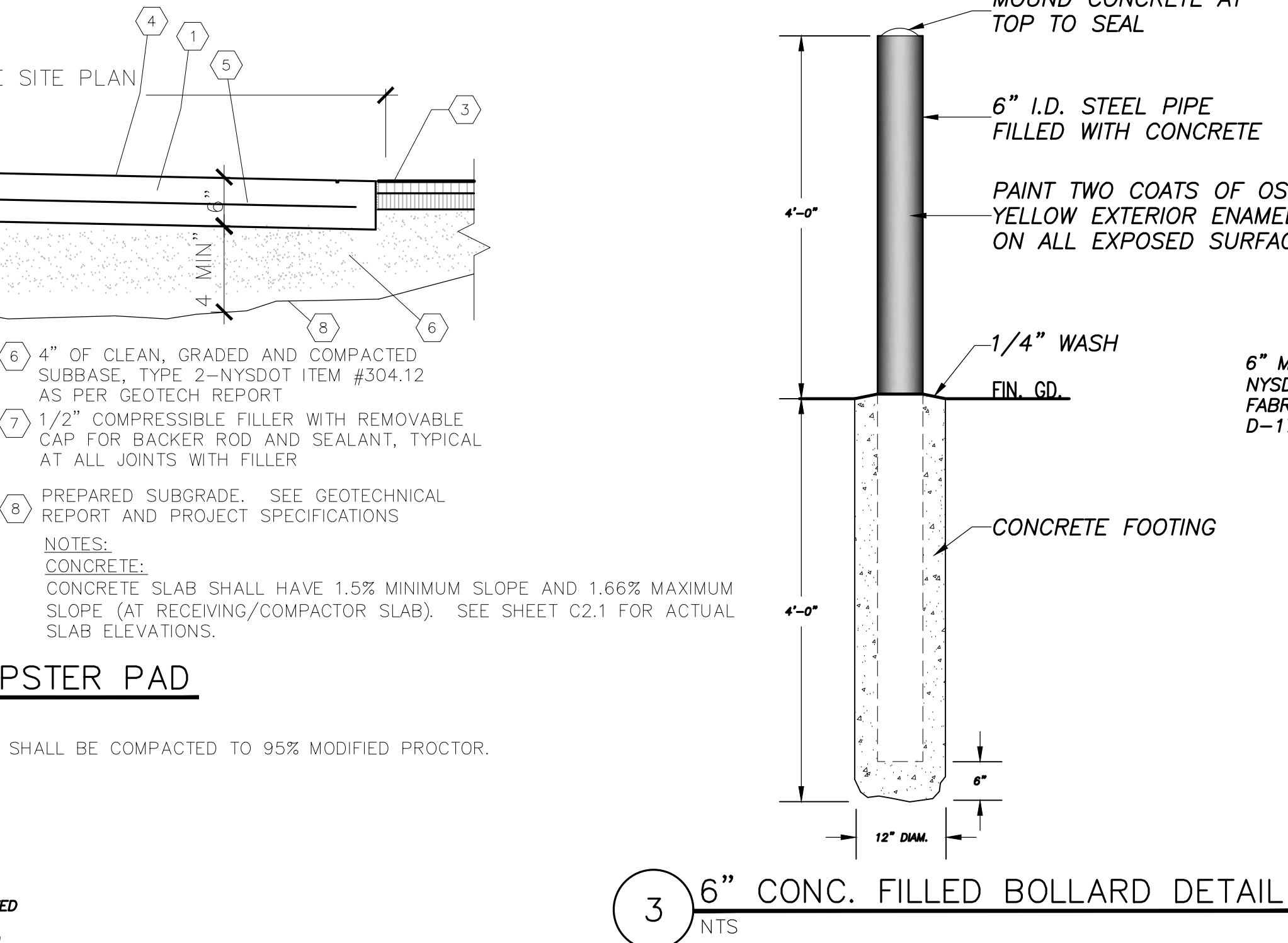
4. RAMPS MUST NOT EXTEND OUT FROM THE CURB INTO THE ACCESS AISLE OF ANY ACCESS PARKING SPACE.

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 BORDER 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.

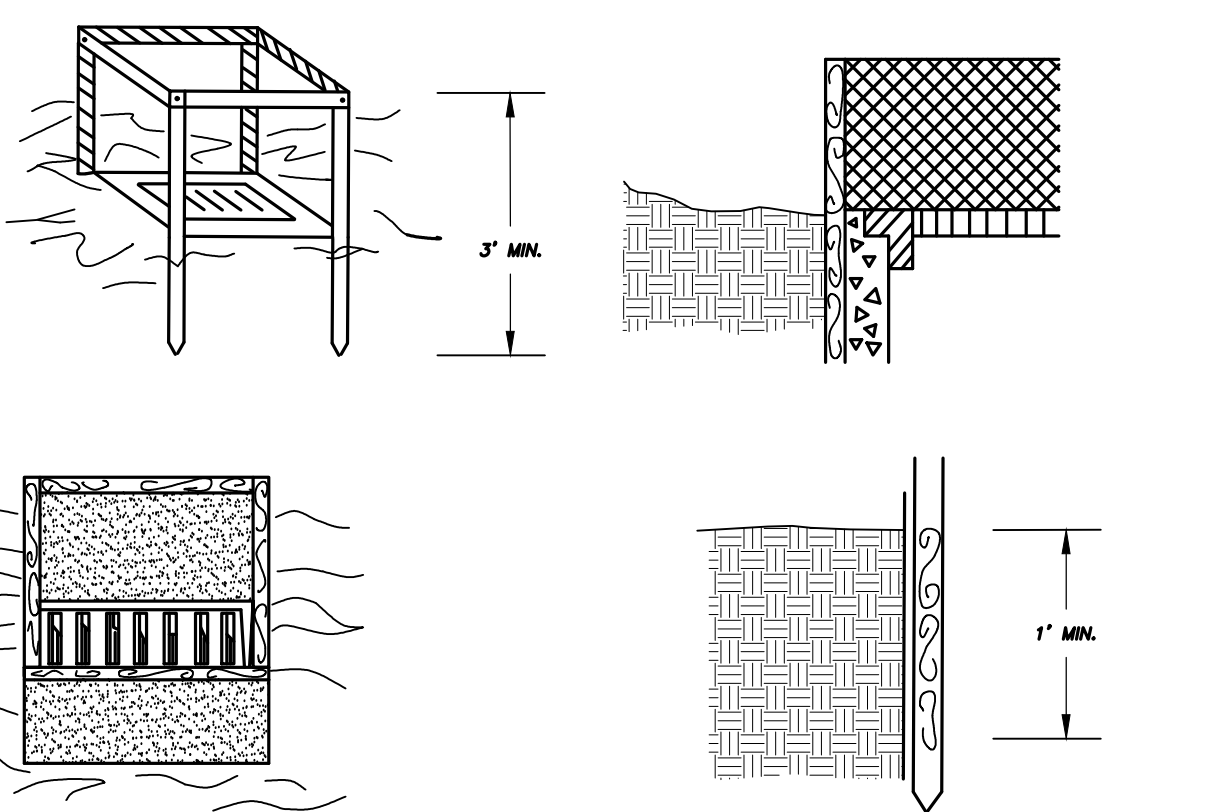
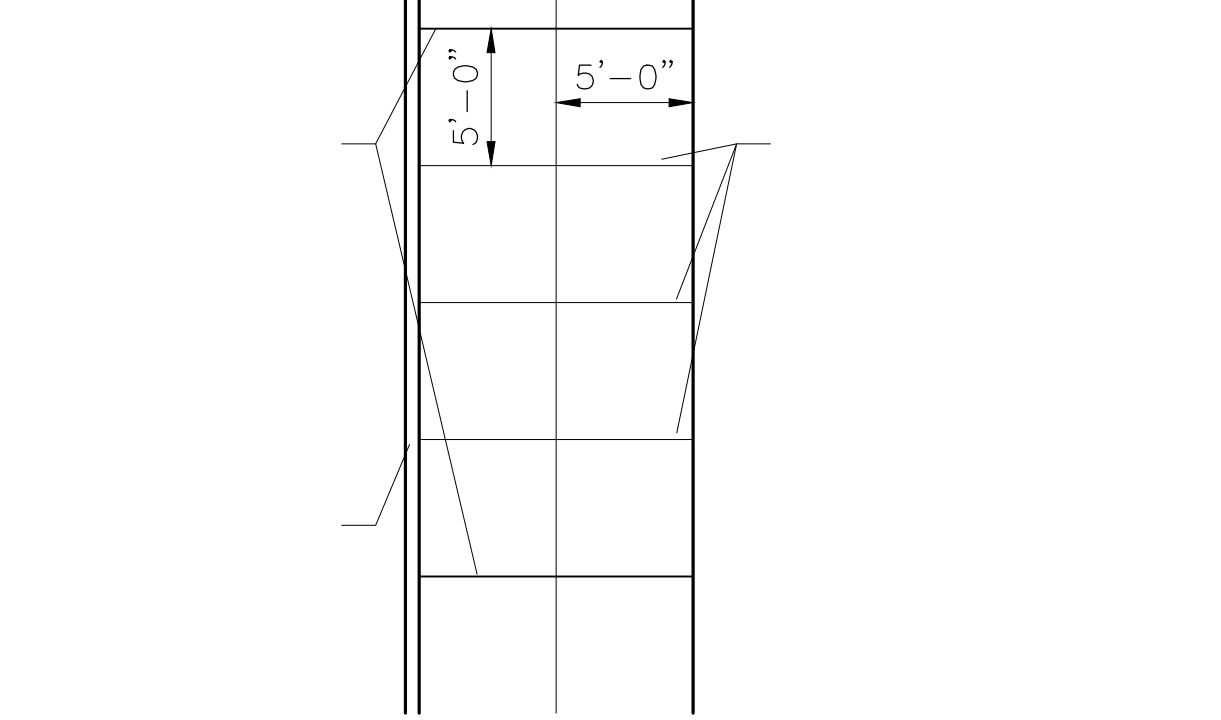
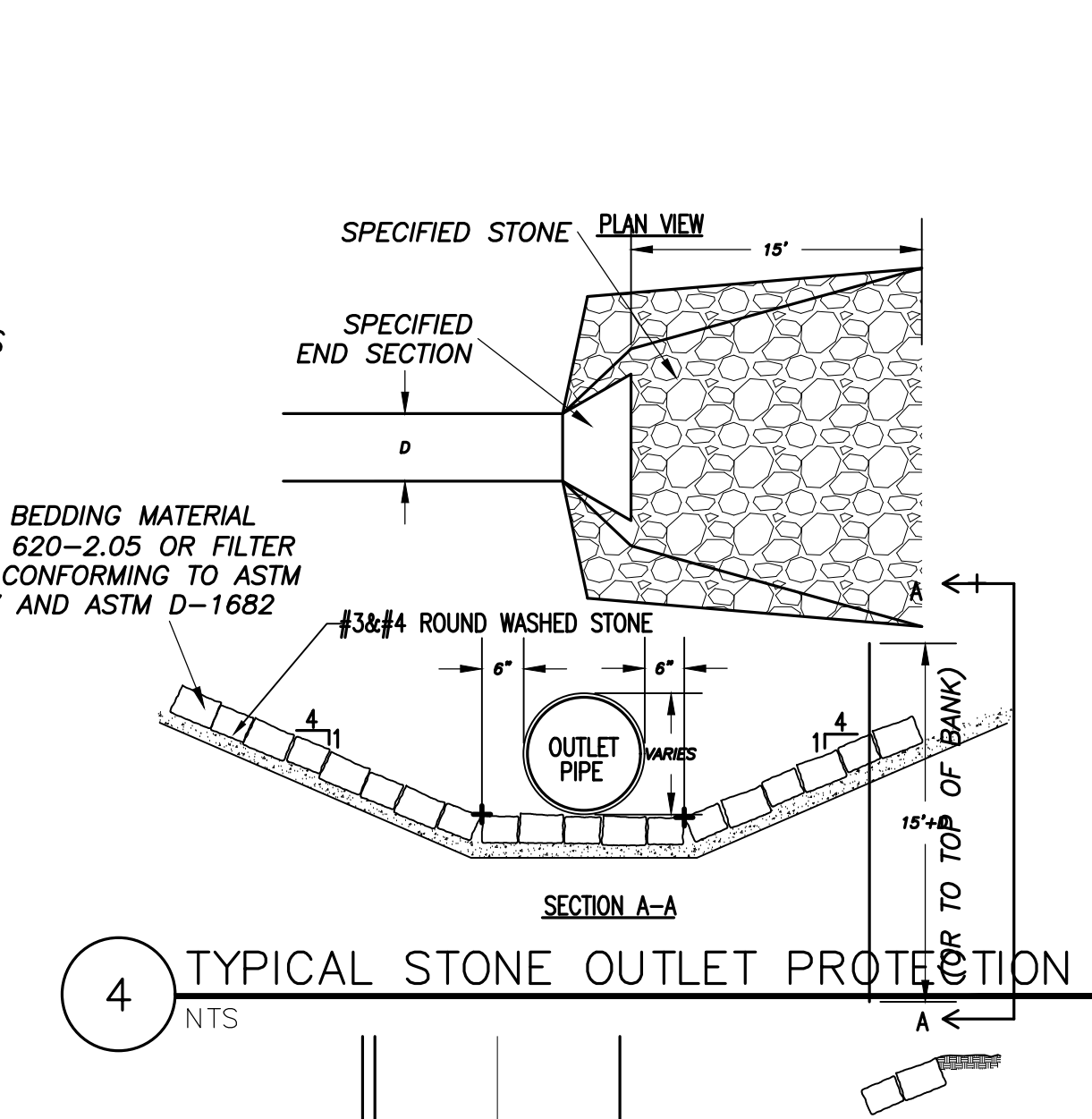
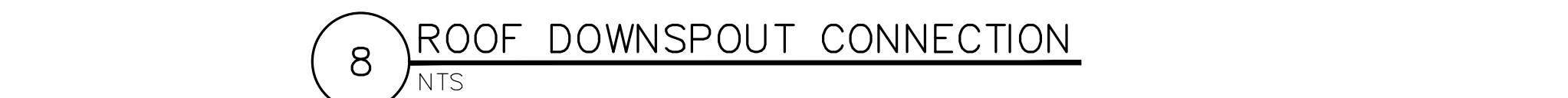
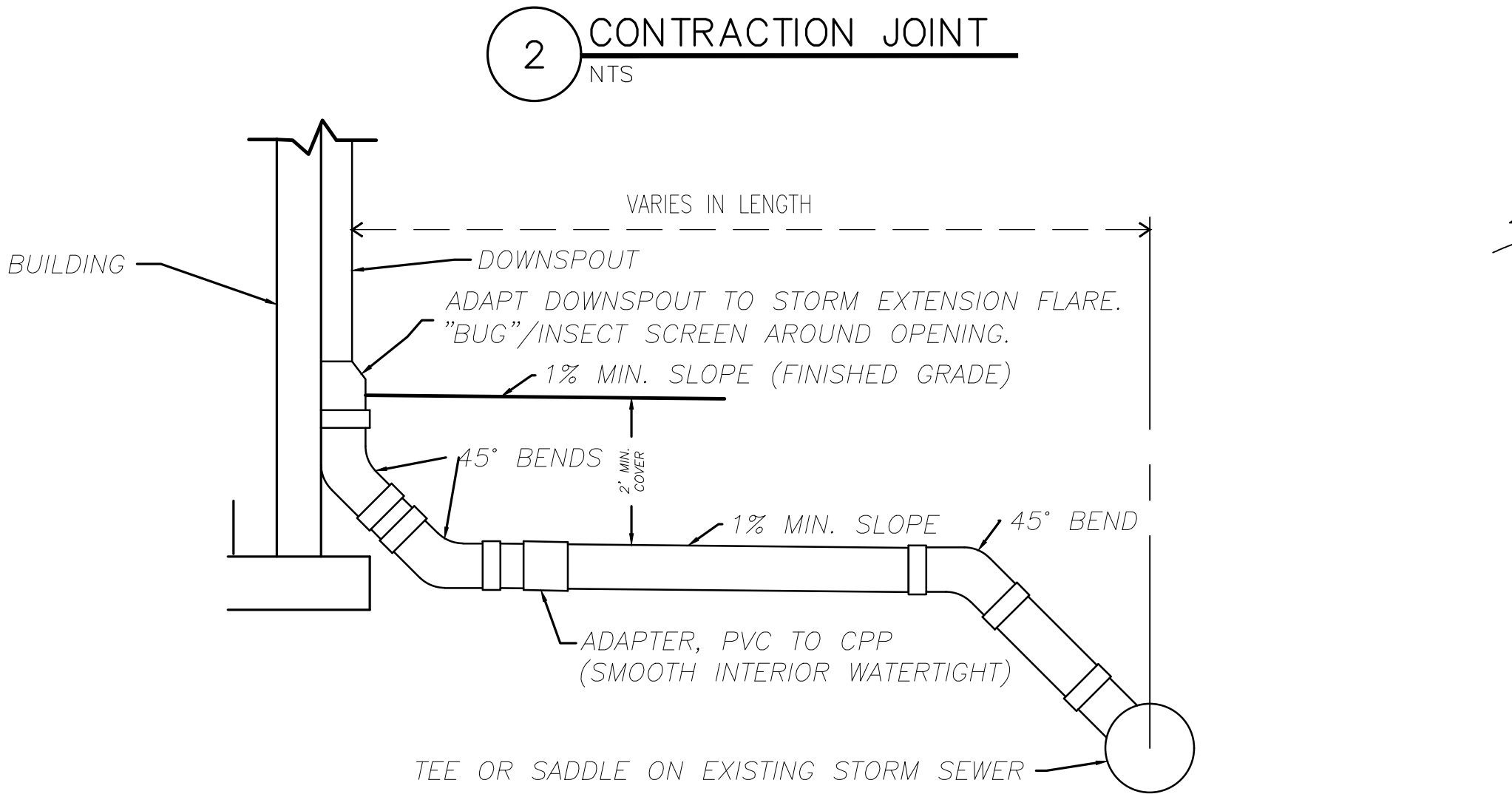
EACH ACCESSIBLE PARKING SPACE IS TO BE A MINIMUM OF 8' WIDE AND HAVE A 96" MINIMUM ACCESS AISLE FOR VANS OR 60" ACCESS AISLE FOR CARS ADJACENT TO THE SPACE. THE ACCESS AISLE MAY BE ON EITHER THE DRIVER'S SIDE OR THE PASSENGER'S SIDE OF THE ACCESSIBLE SPACE. THIS APPLIES TO 45, 60 AND 90 DEGREE PARKING.



NOTE (R7-8 SIGN) THIS IS A STANDARD SIGN AND MAY BE ORDERED FROM ANY TRAFFIC SIGN SUPPLIER BY NUMBER. THE SIGN MUST BE SUPPLEMENTED WITH A "VAN ACCESSIBLE" SIGN AS APPLICABLE AND/OR AMOUNT OF THE FINE FOR ILLEGALLY PARKING IN THE RESERVED SPACE(S) A MUNICIPALITY MAY IMPOSE. CONFIRM WITH LOCAL REGULATIONS.



- KEYED NOTES
- 1. 1/4" WIDE, 1-1/2 INCH DEEP GROOVE CREATED BY: (1) TEMPORARY EMBEDMENT OF SUITABLE MANDREL (2) INSTALLATION OF A THIN STRIP OF PREMOLDED JOINT FILLER MATERIAL (3) SAWING THE PAVEMENT AFTER THE CONCRETE HAS HARDENED.
  - 2. JOINT SEALER
  - 3. FOR CONTRACTION JOINT SPACING, REFER TO DETAIL 6, THIS SHEET



- NOTES
1. FILTER FABRIC SHALL HAVE AN EOS OF 40-85. BURLAP MAY BE USED FOR SHORT-TERM APPLICATIONS.
  2. CUT FABRIC FROM A CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED THEY WILL BE OVERLAPPED TO THE NEXT STAKE.
  3. STAKE MATERIALS WILL BE STANDARD 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 FOR 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.

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**SITE PLAN FOR:**  
**STAR CIDER**  
**NEW RESEARCH & TASTING FACILITY**  
3885 EAST LAKE RD  
TOWN OF CANANDAIGUA  
COUNTY OF ONTARIO  
STATE OF NEW YORK

DRAWING TITLE:

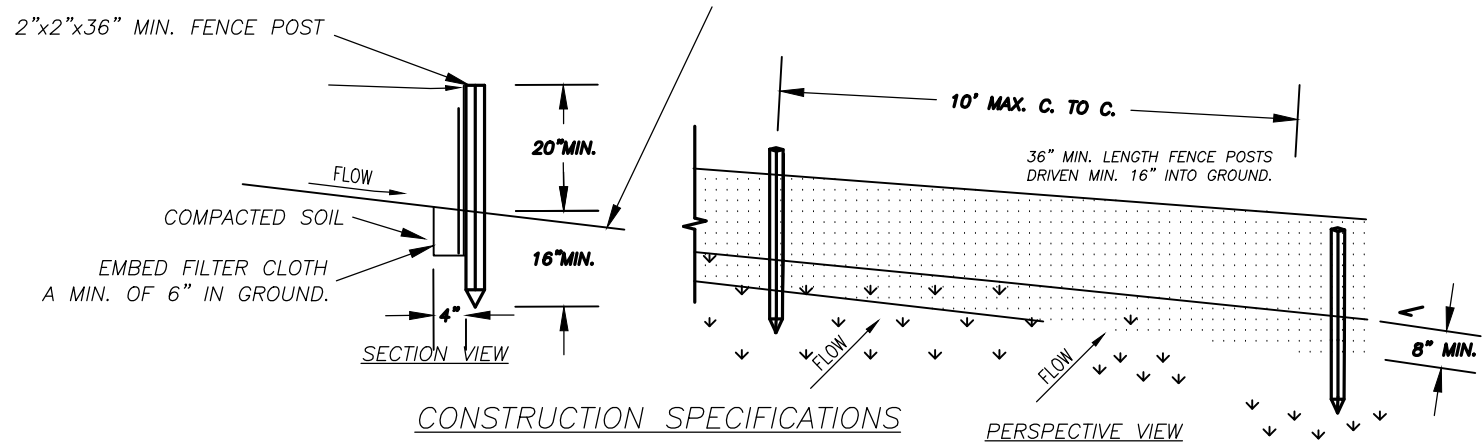
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**C500**

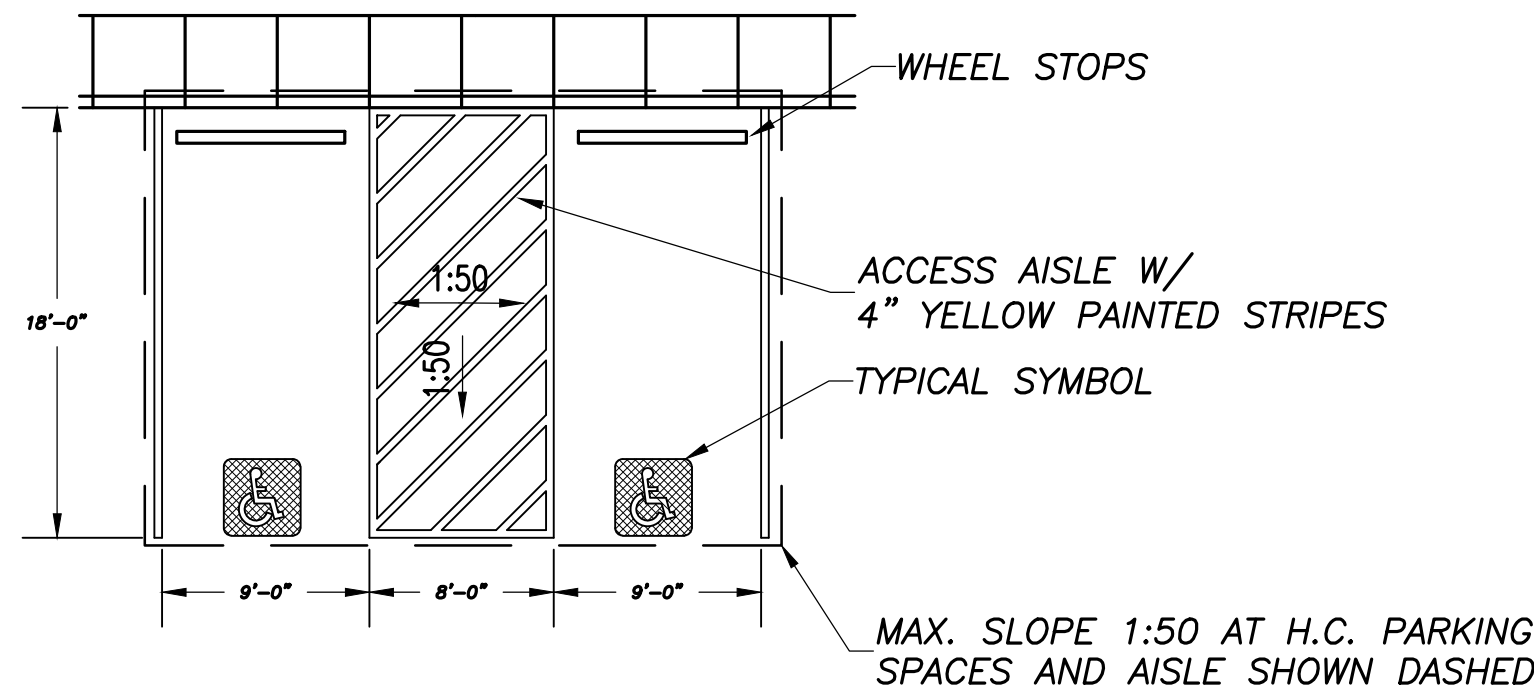
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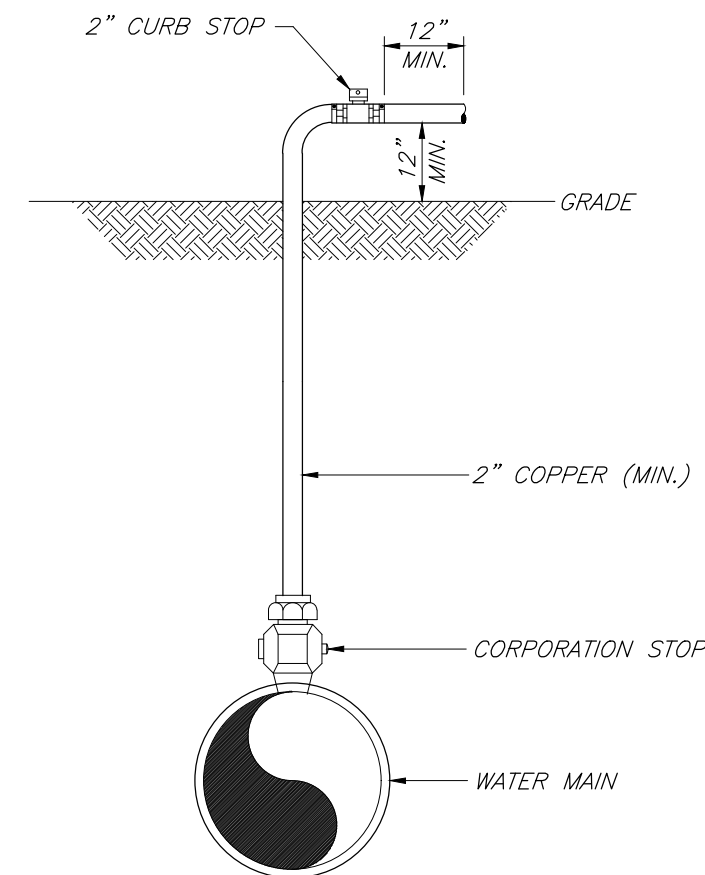


1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD.
2. FILTER CLOTH TO BE TO BE FASTENED SECURELY TO POSTS WITH STAPLES.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILUNKA 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



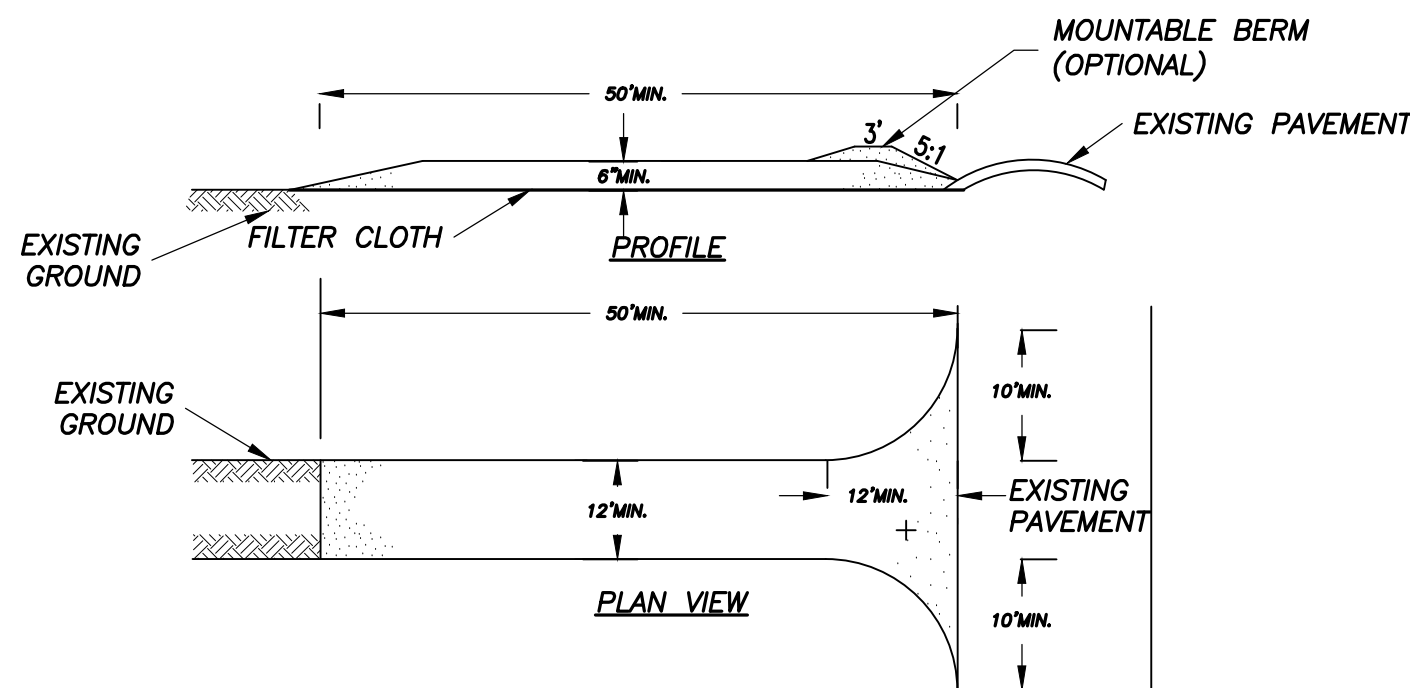
2 ADA PARKING STAHL  
NTS



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.

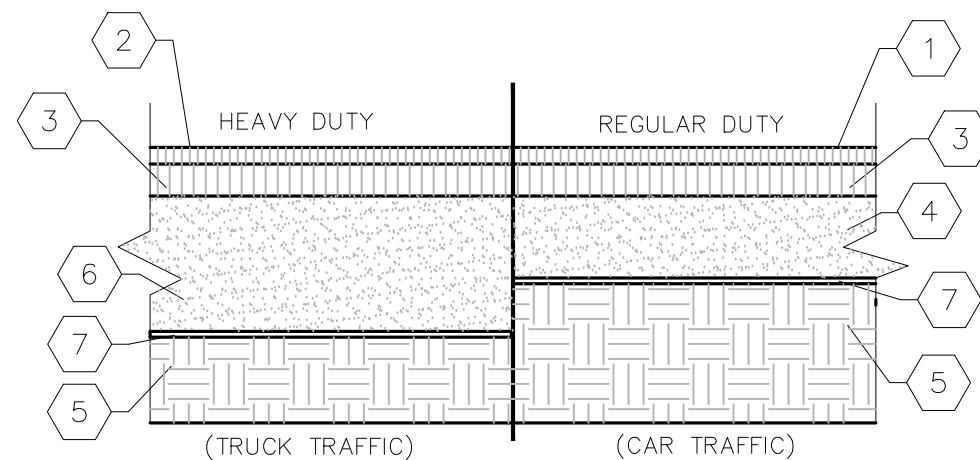
8 DISINFECTION/SAMPLING TAP  
N.T.S.



### 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.

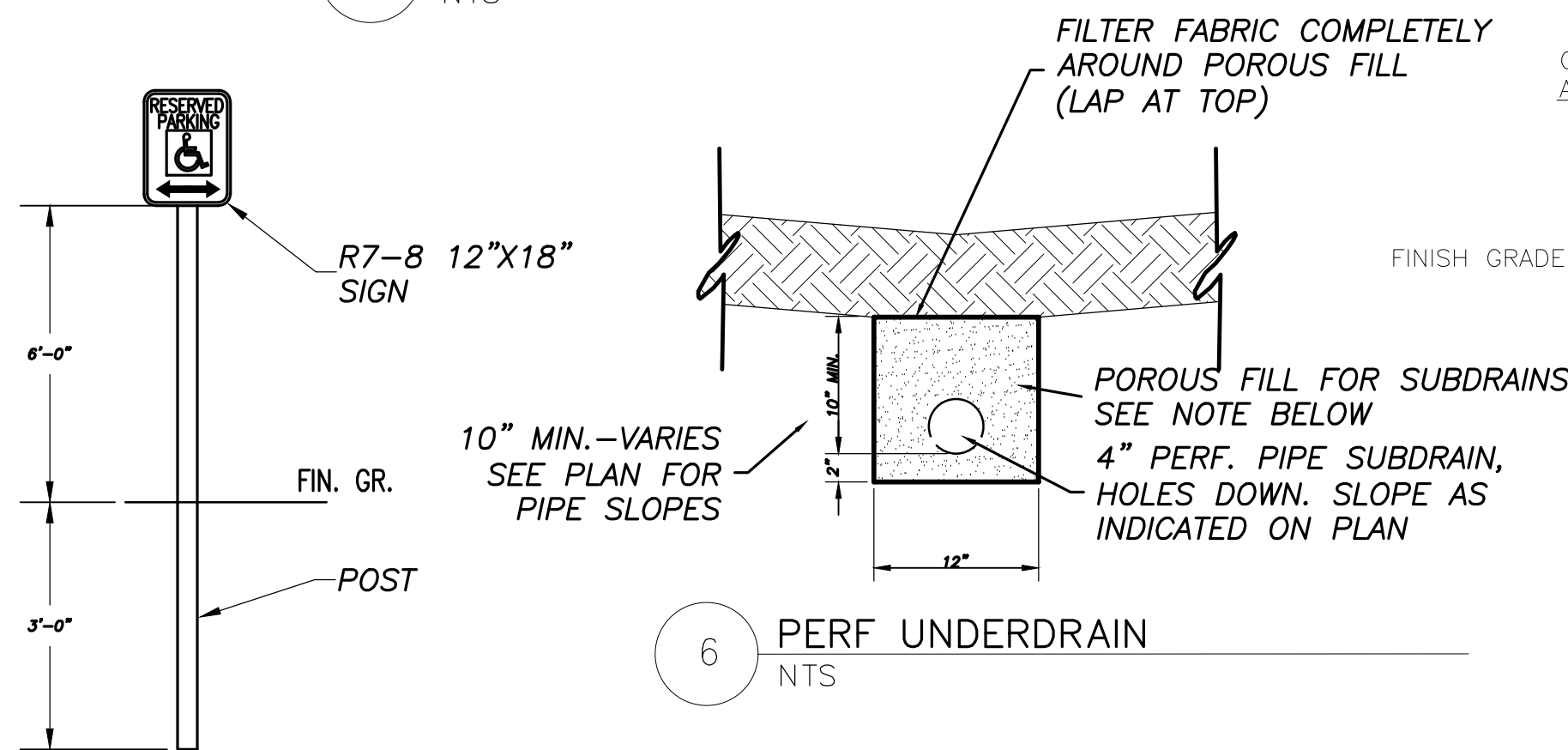
3 STABILIZED CONSTRUCTION ENTRANCE  
NTS



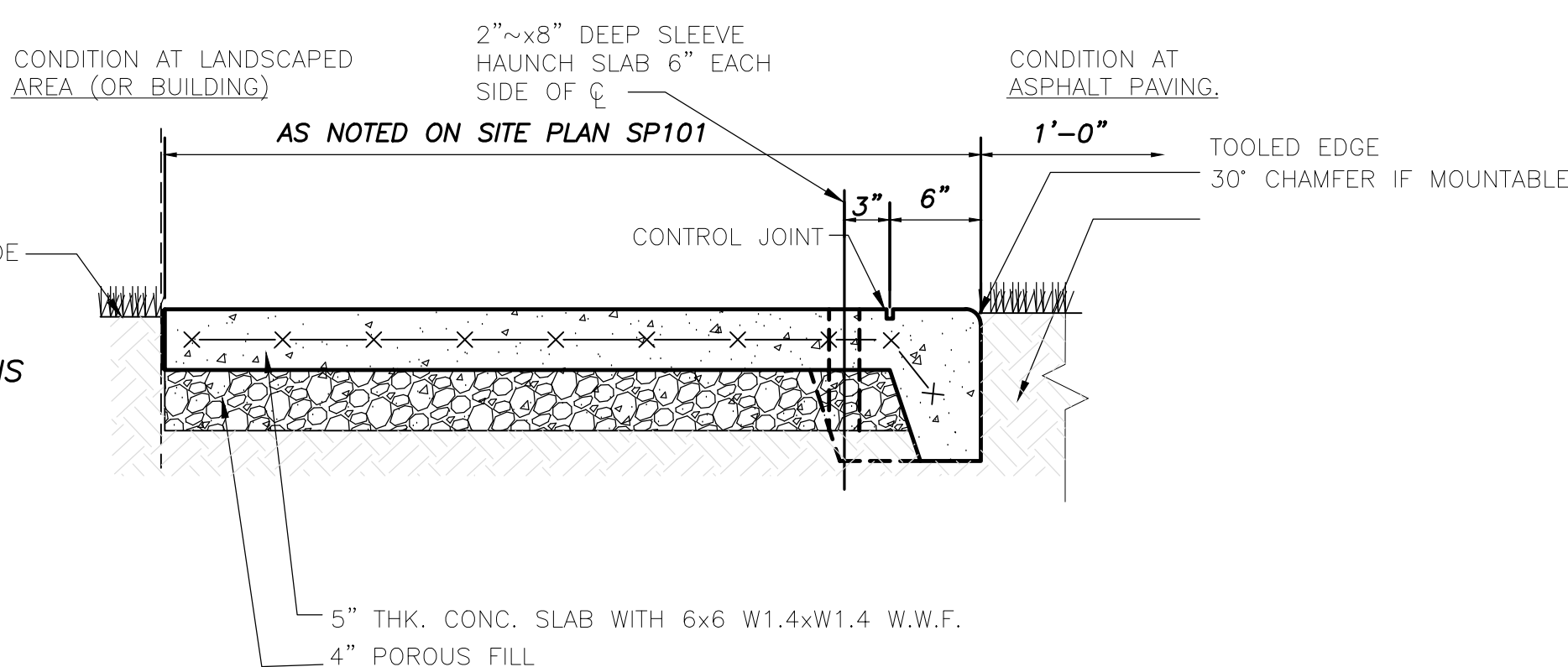
### KEYED NOTES

- 1 1 1/2" WEARING SURFACE COURSE, TYPE 7 OVER TACK COAT.
- 1 1/2" WEARING SURFACE COURSE, TYPE 7 NYSDOT#403.18 OVER TACK COAT.
- 3" BINDER COURSE, TYPE 3 NYSDOT #4043.13 OVER PRIME COAT
- 9" OF COMPACTED SUBBASE COURSE, TYPE 2-NYSDOT ITEM #304.12 COMPACT TO 95% MODIFIED PROCTOR.
- WELL-DRAINED SUB-GRADE (SUB-GRADE TO 95% MODIFIED PROCTOR MIN. COMPACTION).
- 12" OF COMPACTED SUBBASE COURSE, TYPE 2-NYSDOT ITEM #304.12. COMPACT TO 95% MODIFIED PROCTOR
- MIRAFI 500X GEOTEXTILE OR APPROVED EQUAL

4 ASPHALT PAVING SECTION DETAIL  
NTS

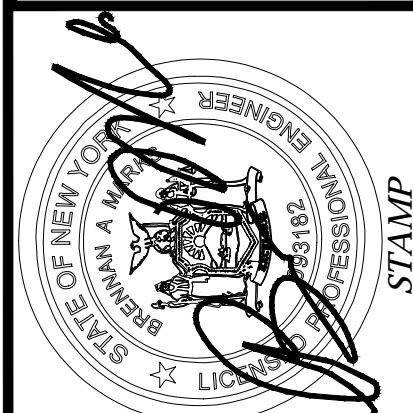


5 DETAIL: SIGN & POST  
NTS



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.

7 CONCRETE SIDEWALK DETAIL  
NTS



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REVISIONS AND APPROVALS		BY	
		DATE	DESCRIPTION OF REVISION OR APPROVAL
NO.	1	02/16/18	PER PRC REVIEW

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

DRAWING TITLE:

### DETAILS

DRAWN BY:	MCP
DESIGNED BY:	BAM
CHECKED BY:	BAM
SCALE:	AS NOTED
JOB NO.:	16-073
DATE:	02/09/2018
TAX MAP#:	98.11-2-8.000

**C501**

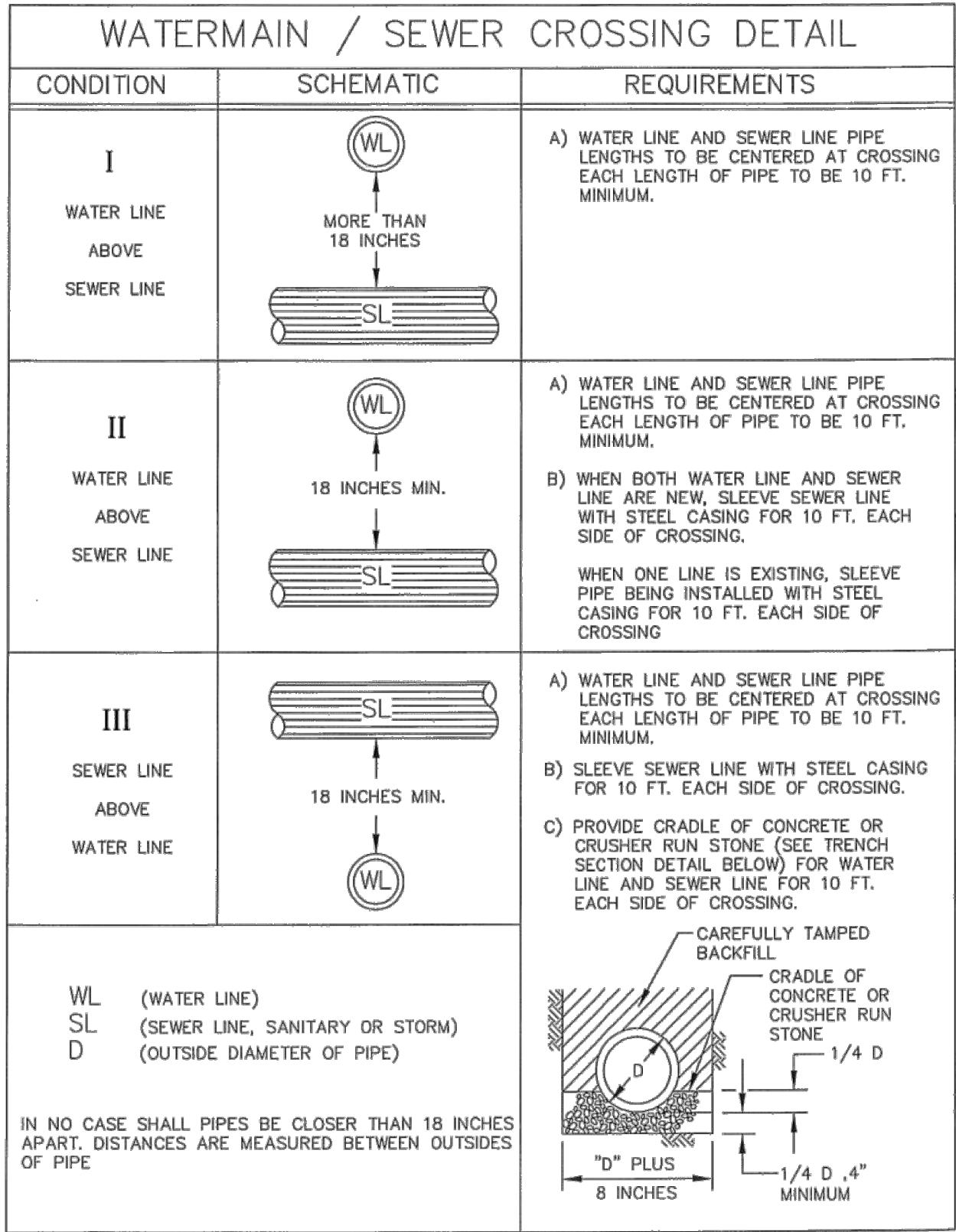
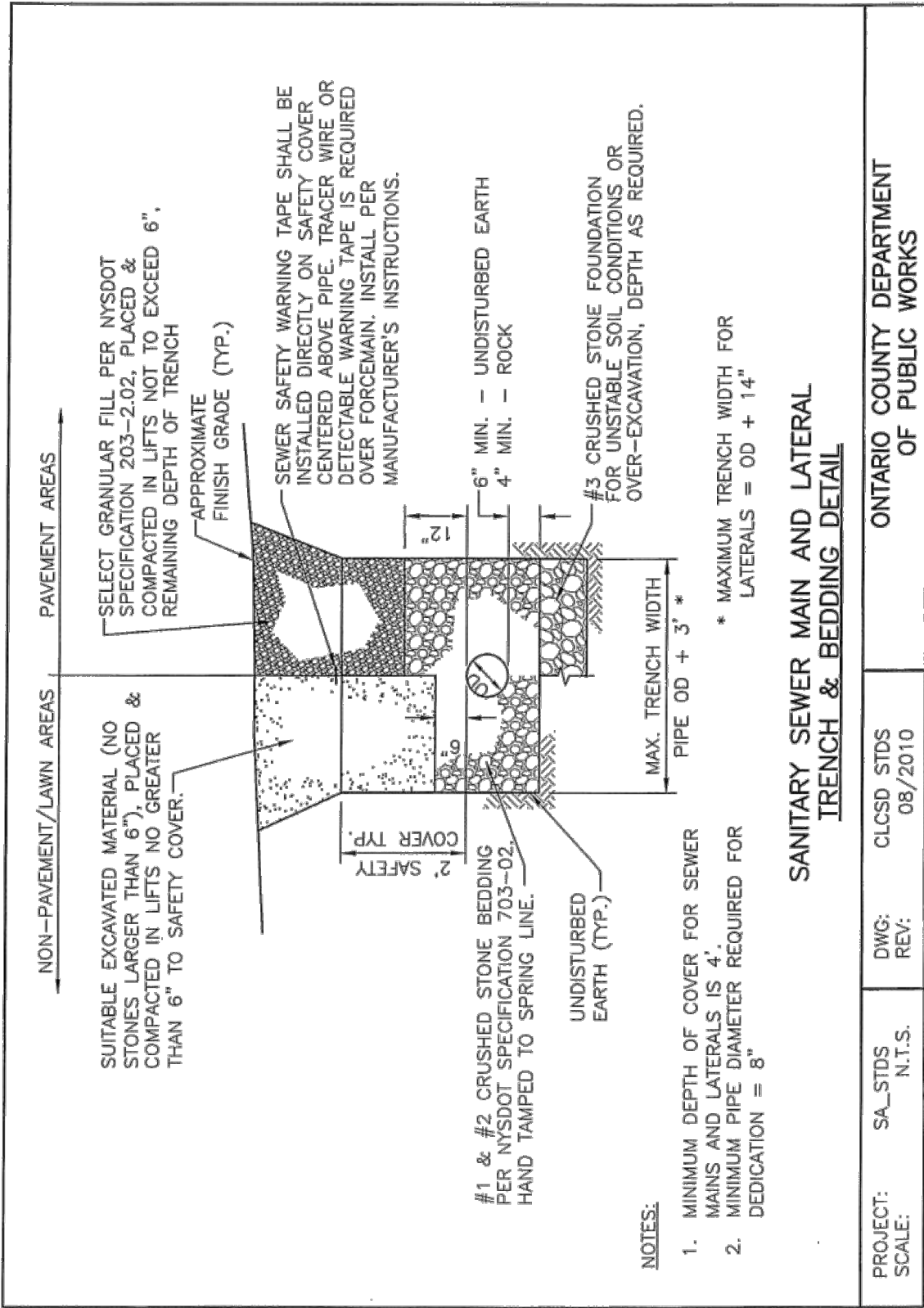
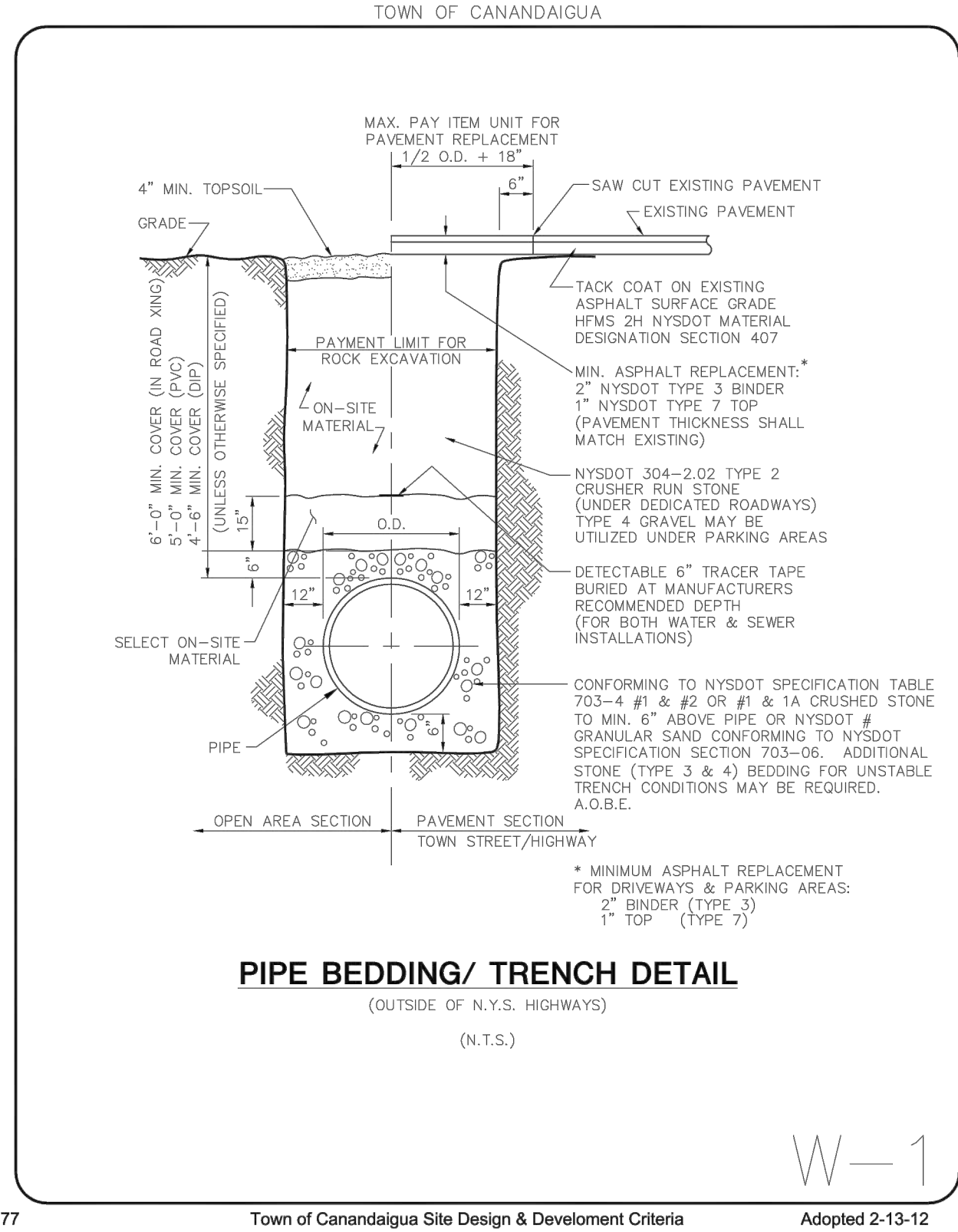


ALL PROJECTS

- 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.

SANITARY LATERAL NOTES

- Lateral connections requiring openings in asbestos cement pipe will be designed, inspected and certified by the design engineer or representative thereof.
  - Any excavation not backfilled by the end of the workday shall be fenced, barricaded and lighted for safety and protection of the public.
  - The contractor shall be responsible for the removal of existing sanitary mains, structures and appurtenances, if any, needed to complete the work.
- RENOVATION PROJECTS ONLY
- Existing laterals to be disconnected must be permanently plugged or capped at the easement or right of way line under the direction of Canandaigua Lake County Sewer District personnel. The location of the plug or cap shall be recorded for as-built drawing purposes.
  - Prior to demolishing an existing building, the contractor shall excavate, disconnect and abandon the lateral from the building to the point of disconnection (approximately 30' from the existing building) per District standards. A temporary plug shall be installed in the remaining portion of the existing sanitary lateral until it is tested and televised.
  - In order to determine whether an existing sanitary lateral is acceptable for connection to a new building, the lateral shall be televised in the presence of District personnel at the owner's expense.
  - If an existing lateral is found to be acceptable and meet the minimum District requirements, it shall be temporarily re-plugged and backfilled with a witness stake in place, until connection to the new building can take place.
  - If a new sanitary sewer lateral is required, the existing lateral must be excavated, removed and capped at the easement or right of way line in accordance with District requirements.
  - If a new sanitary sewer lateral is required, the connection to the existing sanitary main shall be made per District standards.



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DETAILS

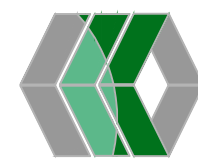
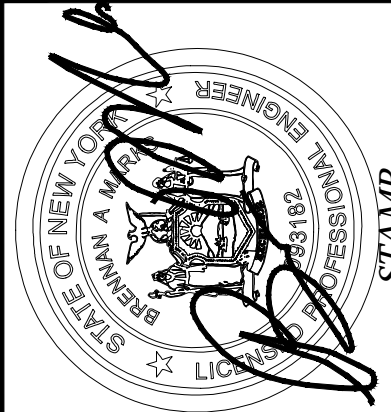
DRAWN BY:	MCF
DESIGNED BY:	BAM
CHECKED BY:	BAM
SCALE:	AS NOTED
JOB NO.:	16-073
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TAX MAP#:	98.11-2-R.000

C502

REVISIONS AND APPROVALS

NO.	DATE	DESCRIPTION OF REVISION OR APPROVAL	BY
1	02/16/18	PER PRC REVIEW	BAM

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