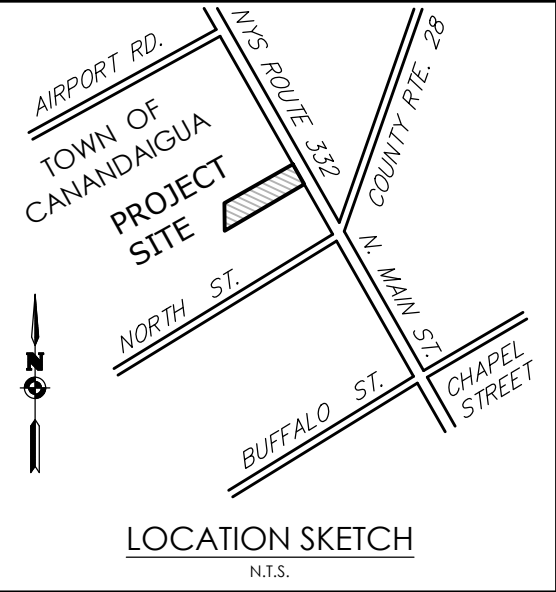
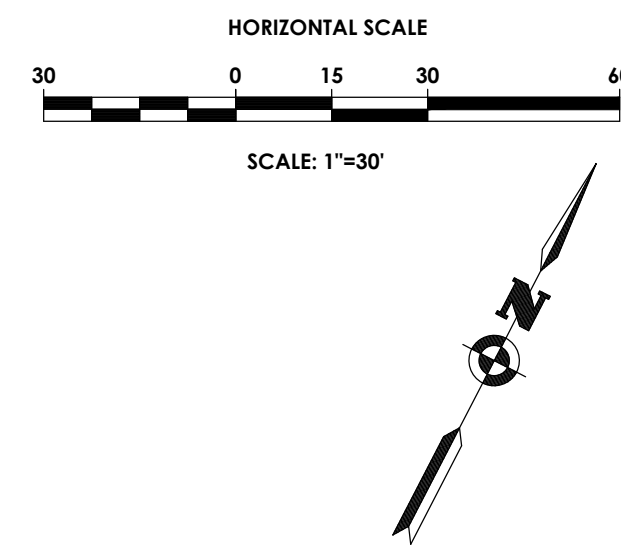


# SITE DEVELOPMENT PLANS FOR ROYAL CAR WASH

TOWN OF CANANDAIGUA, ONTARIO COUNTY, NEW YORK  
P.N. 20182698.0001



Client:  
ROYAL WASH CANANDAIGUA, LLC  
2851 MONROE AVE  
ROCHESTER, NY 14618

**PASSERO ASSOCIATES**  
242 West Main Street Suite 100  
Rochester, New York 14614  
(585) 325-1000  
Fax: (585) 325-1691  
Principal-in-Charge: Jess D. Sudol, P.E.  
Project Manager: David L. Cox, P.E.  
Designed by: Jon Daniels



Revisions			
No.	Date	By	Description

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COVER

ROYAL CAR WASH

Town/City: Canandaigua  
County: OntarioState: New York

Project No.  
20182698.0001

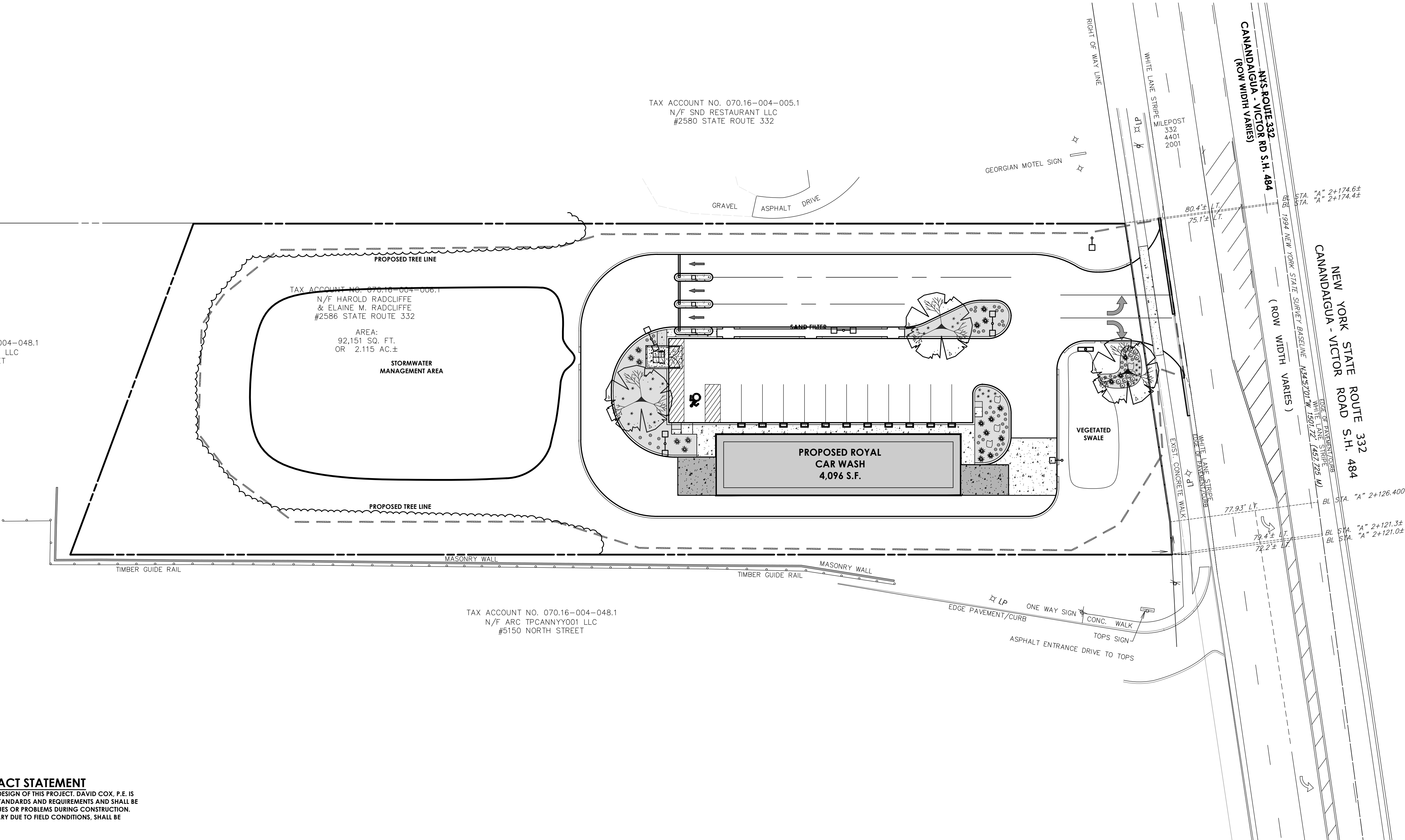
Drawing No.  
C101

Sheet No.  
1

Scale:  
1" = 30'

Date  
MARCH 2019

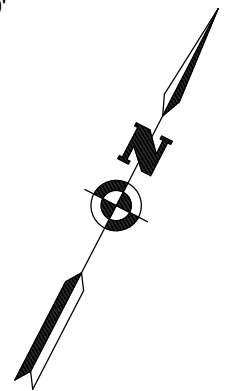
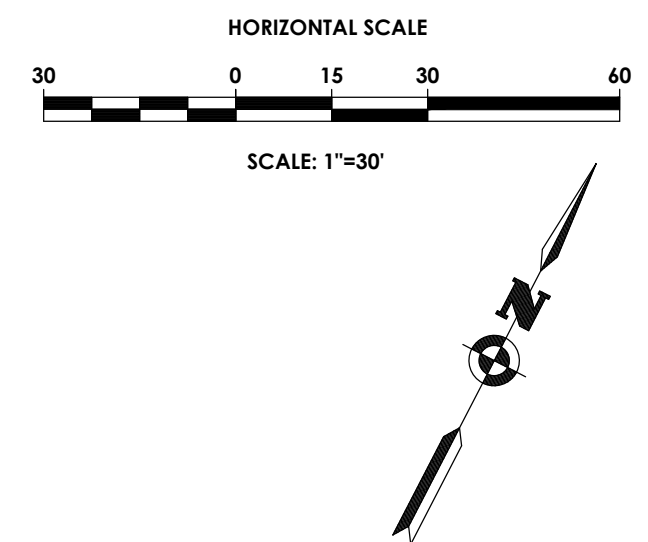
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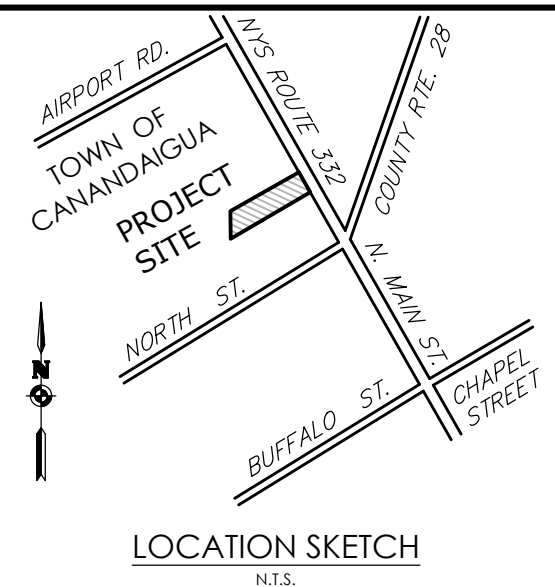
**NYSDOT DESIGNER CONTACT STATEMENT**  
PASSERO ASSOCIATES IS RESPONSIBLE FOR THE DESIGN OF THIS PROJECT. DAVID COX, P.E. IS THE DESIGNER AND IS FAMILIAR WITH NYSDOT STANDARDS AND REQUIREMENTS AND SHALL BE CONTACTED AT (585) 325-1000 TO RESOLVE ISSUES OR PROBLEMS DURING CONSTRUCTION. ALL REVISIONS, INCLUDING REVISIONS NECESSARY DUE TO FIELD CONDITIONS, SHALL BE APPROVED BY THE NYSDOT.

Y:\PROJECTS-NEW\2018\20182698\20182698.0001\DRAWINGS\ENGINEERING\20182698.0001\_SITE PLANS.DWG 6/13/2019 5:23 PM David Cox

	PROPERTY BOUNDARY
	RIGHT OF WAY
	EXISTING CENTER LINE ROAD
	SETBACK
	PROPOSED EASEMENT LINE
	EXISTING EASEMENT LINE
	PROPOSED BUILDING
	PROPOSED PARKING COUNT
	PROPOSED CONCRETE
	PROPOSED ACCESS RAMP
	PROPOSED PAVEMENT STRIPING
	PROPOSED CURB
	PROPOSED SIGN
	EXISTING SIGN
	PROPOSED LIGHT POLE
	PROPOSED BUILDING MOUNTED LIGHT
	EXISTING FEATURE TO BE REMOVED
	PROPOSED TREE LINE
	EXISTING TREE LINE TO BE MODIFIED

**PA**

PASSERO ASSOCIATES  
engineering architecture



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ROCHESTER, NY 14618

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Principal-in-Charge  
Project Manager  
Designed by

Jess D. Sudol, P.E.  
David L. Cox, P.E.  
Jon Daniels

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## ROYAL CAR WASH

Town/City: Canandaigua  
County: Ontario State: New York

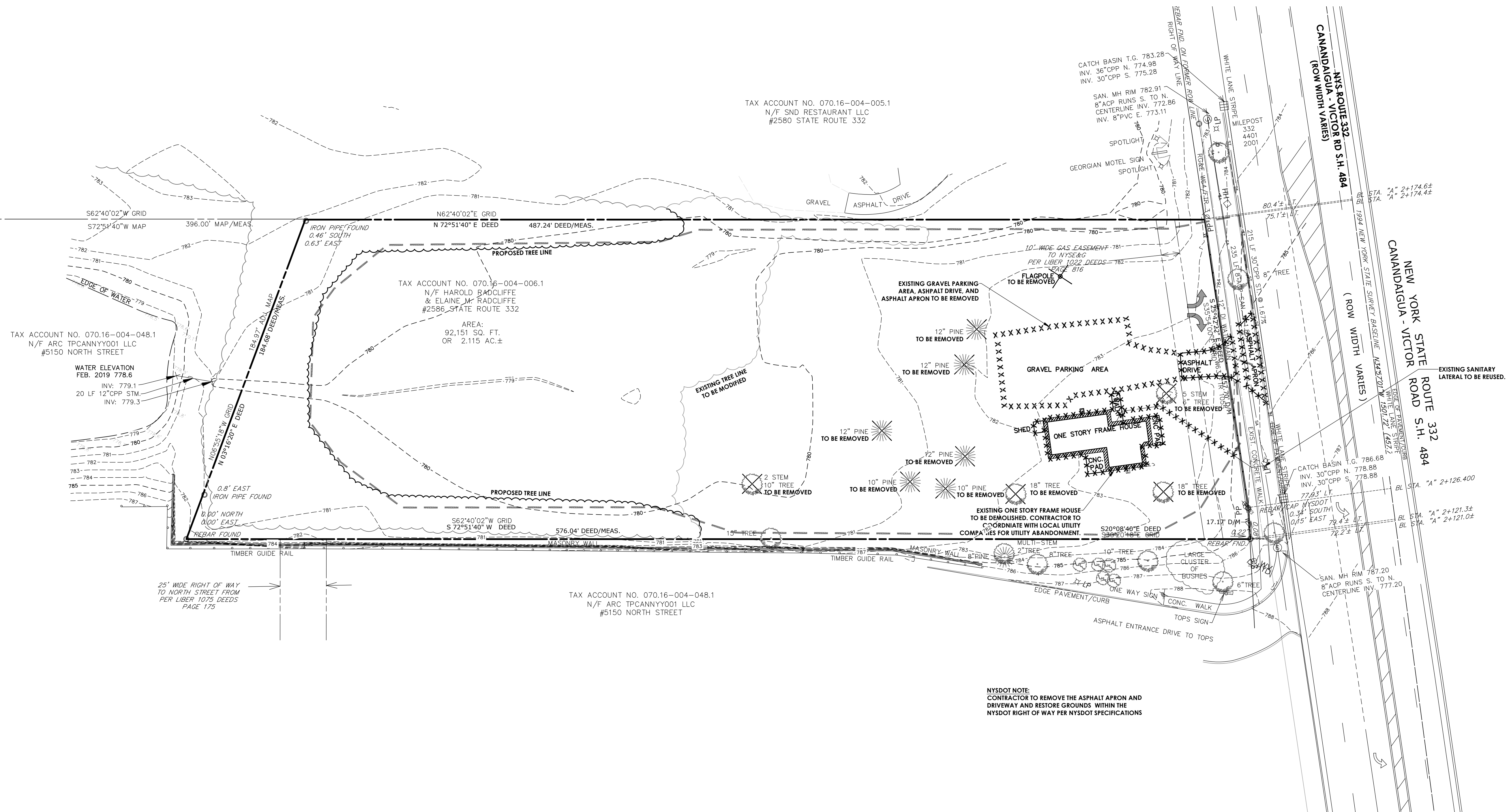
Project No.  
20182698.0001

Drawing No. <b>C102</b>	Sheet No. <b>2</b>
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Scale:  $1'' = 30'$

Date MARCH 2019

NOT FOR CONSTRUCTION



**NYSDOT NOTE:**  
CONTRACTOR TO REMOVE THE ASPHALT APRON AND DRIVEWAY AND RESTORE GROUNDS WITHIN THE NYSDOT RIGHT OF WAY PER NYSDOT SPECIFICATIONS



SITE DATA

- TAX ACCOUNT NUMBER: 070.16-004-006.1
- PARCEL ADDRESS: 2586 STATE ROUTE 332, CANANDAIGUA, NY 14424
- TOTAL PARCEL AREA: 2.115 ACRES OR 92,151 S.F.  
TOTAL BUILDING AREA: 4,096 S.F.  
TOTAL DISTURBANCE AREA: 21.5 ACRES  
TOTAL IMPERVIOUS AREA: 20.7 ACRES (33 %)  
GREEN SPACE: 21.4 ACRES (67%)
- ZONING: CC - COMMUNITY COMMERCIAL DISTRICT  
MUO - MIXED USE OVERLAY DISTRICT
- EXISTING USE: VACANT  
PROPOSED USE: AUTOMATED CAR WASH
- THERE ARE NO FEDERALLY REGULATED WETLANDS ON THIS PARCEL ACCORDING TO THE USACOE FEDERAL WETLAND INVENTORY.
- THERE ARE NO STATE REGULATED WETLANDS ON THIS PARCEL ACCORDING TO NYSDEC WETLAND INVENTORY.
- PUBLIC WATER WILL BE PROVIDED BY THE TOWN OF CANANDAIGUA WATER DEPARTMENT, CANANDAIGUA-FARMINGTON DISTRICT (WD241).
- ELECTRIC SERVICE WILL BE SUPPLIED BY RG&E.
- NATURAL GAS SERVICE WILL BE SUPPLIED BY NYSEG.
- SANITARY SEWER SERVICE WILL BE PROVIDED BY THE TOWN OF CANANDAIGUA.
- STORM SEWER AND DRAINAGE FACILITIES WILL BE PRIVATELY OWNED.
- ALL IMPROVEMENTS SHALL BE MADE IN ACCORDANCE WITH THE CURRENT DEVELOPMENT STANDARDS AND SPECIFICATIONS OF THE TOWN OF CANANDAIGUA.

ZONING ANALYSIS		
CC - COMMUNITY COMMERCIAL DISTRICT & MUO - MIXED USE OVERLAY DISTRICT		
	REQUIRED	PROPOSED
REQUIRED LOT SIZE	1 ACRE	2.115 ACRES
MINIMUM LOT WIDTH	175'	175'
MAXIMUM BUILDING HEIGHT	35'	<35'
PRINCIPAL BUILDING DIMENSIONAL REQUIREMENTS		
MINIMUM FRONT YARD SETBACK	100'	101'
MINIMUM SIDE YARD SETBACK	20'	32'
REAR YARD SETBACK	40'	295'
MAX BUILDING COVERAGE	35%	~5%
MINIMUM SETBACK FROM SIDE PROPERTY LINE TO DRIVE AISLE	20'	6' AT PROPERTY LINE**
MINIMUM PARKING STALLS (MOTOR VEHICLE SERVICE STATION)	1 SPACE PER 100 S.F. OF GROSS FLOOR AREA = 41	13 INCLUDES 1 ACCESSIBLE STALL**
MINIMUM STALL SIZE	9' x 20'	11' x 20'

VARIANCE REQUIRED\*\*

SITE DISTANCE		
	REQUIRED	PROPOSED
TO LEFT	380'	>1000'
TO RIGHT	440'	500' (TO INTERSECTION)



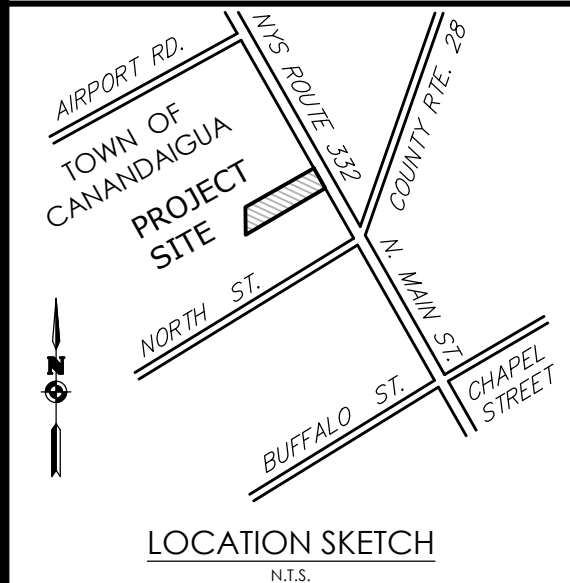
BUILDING MOUNTED SIGNAGE (x1)  
ABOVE TUNNEL EXIT FACING RTE 332  
38"-63" x 150" = 48.0 SF

HORIZONTAL SCALE  
30 0 15 30 60  
SCALE: 1"=30'

LEGEND:

- PROPERTY BOUNDARY
- RIGHT OF WAY
- EXISTING CENTER LINE ROAD
- SETBACK
- PROPOSED EASEMENT LINE
- EXISTING EASEMENT LINE
- PROPOSED BUILDING
- PROPOSED PARKING COUNT
- PROPOSED CONCRETE
- PROPOSED ACCESS RAMP
- PROPOSED PAVEMENT STRIPING
- PROPOSED CURB
- PROPOSED SIGN
- EXISTING SIGN
- PROPOSED LIGHT POLE
- PROPOSED BUILDING MOUNTED LIGHT

**PA**  
PASSERO ASSOCIATES  
engineering architecture



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Revisions			
No.	Date	By	Description

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SITE PLAN

ROYAL CAR WASH

Town/City: Canandaigua  
County: Ontario State: New York

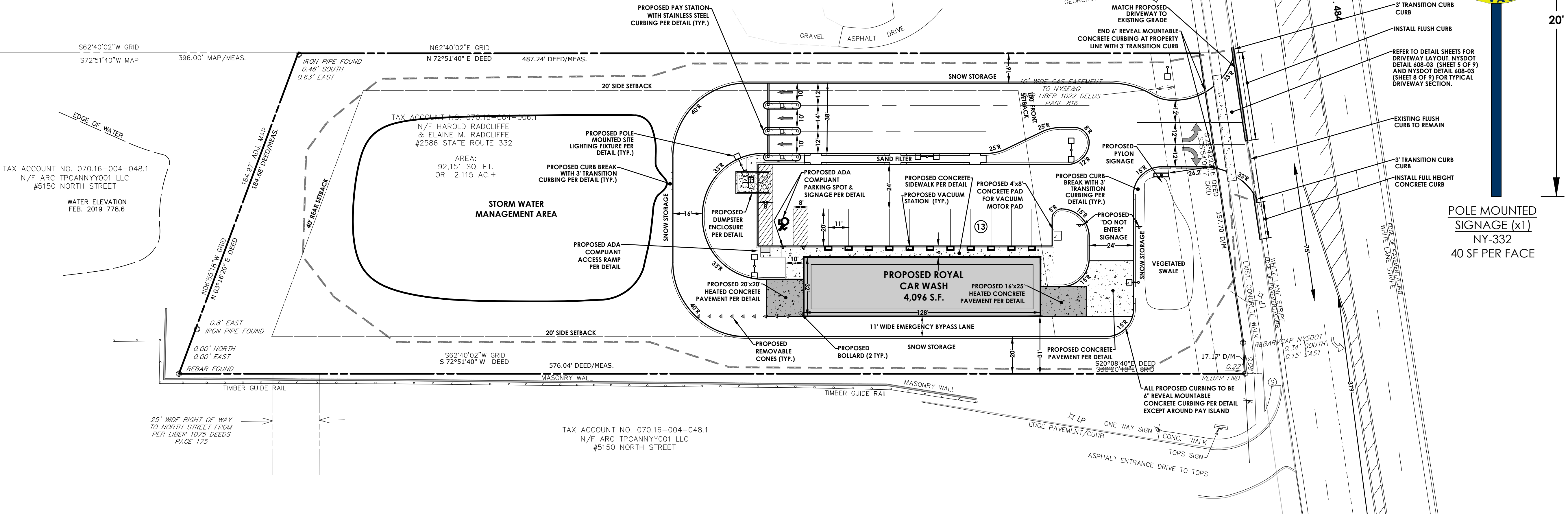
Project No.  
**20182698.0001**

Drawing No. **C103** Sheet No. **3**

Scale: **1" = 30'**

Date  
**MARCH 2019**

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APPROVED BY	PLANNING BOARD CHAIRPERSON	DATE	
APPROVED BY	TOWN ENGINEER	DATE	
APPROVED BY	TOWN OF CANANDAIGUA HIGHWAY SUPERINTENDENT	DATE	
APPROVED BY	CANANDAIGUA-FARMINGTON WATER/SEWER DISTRICT SUPERINTENDENT	DATE	

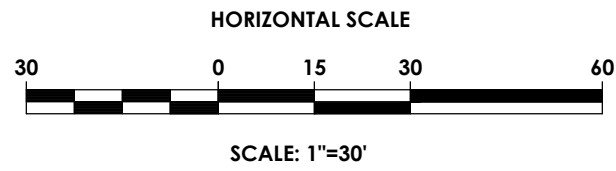


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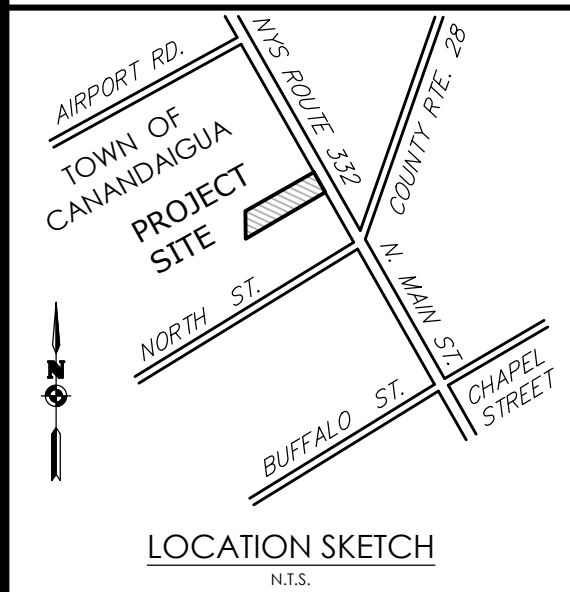
LEGEND:

- PROPERTY BOUNDARY  
R.O.W.  
EXISTING CENTER LINE ROAD  
EXISTING BUILDING  
EXISTING FENCE  
EXISTING EASEMENT LINE  
PROPOSED EASEMENT LINE  
PROPOSED BUILDING  
PROPOSED CONCRETE  
PROPOSED SIGN  
PROPOSED LIGHT  
EXISTING MAJOR CONTOUR  
EXISTING MINOR CONTOUR  
PROPOSED MAJOR CONTOUR  
PROPOSED MINOR CONTOUR  
SILT FENCE  
PROPOSED STORM SEWER, INLET  
MH, CB & END SECTION  
EXISTING STORM SEWER & MH  
PROPOSED WATER SERVICE  
W/ HYDRANT & VALVE  
EXISTING WATER SERVICE  
& VALVE  
PROPOSED SANITARY SEWER  
AND MANHOLE  
EXISTING SANITARY SEWER AND  
MANHOLE  
EXISTING ELECTRIC LINE & POLE  
EXIST. LIGHT POLE  
EXIST. ELECTRIC MANHOLE  
EXIST. ELECTRIC HANDHOLE  
EXIST. GAS VALVE  
PROPOSED STONE CHECK DAM  
PROPOSED INLET PROTECTION  
PROPOSED TREE/BRUSH LINE  
EXISTING TREE/BRUSH LINE  
SILT FENCE



SEE SHEET C201-C204 FOR  
GRADING NOTES & DETAILS

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Client: ROYAL WASH CANANDAIGUA, LLC  
2851 MONROE AVE  
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Principal-in-Charge: Jess D. Sudol, P.E.  
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Designed by: Jon Daniels



Revisions

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GRADING & EROSION  
CONTROL PLAN

ROYAL CAR WASH

Town/City: Canandaigua  
County: Ontario State: New York

Project No.  
20182698.0001

Drawing No. C105  
Sheet No. 5

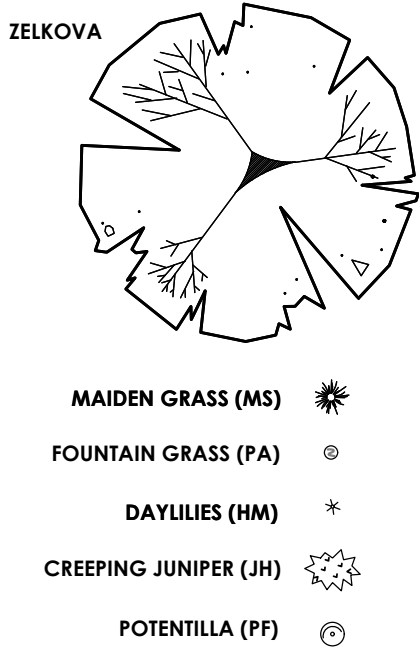
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Date  
MARCH 2019

APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_  
PLANNING BOARD CHAIRPERSON  
APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_  
TOWN ENGINEER  
APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_  
TOWN OF CANANDAIGUA HIGHWAY SUPERINTENDENT  
APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_  
CANANDAIGUA-FARMINGTON WATER/SEWER DISTRICT SUPERINTENDENT

SEDIMENT BASIN NOTE:  
CONTRACTOR TO OVER-EXCAVATE STORM WATER  
MANAGEMENT AREA FOR USE AS A TEMPORARY  
SEDIMENT BASIN DURING CONSTRUCTION

PLANT SYMBOLS



PLANT SCHEDULE							
KEY	QTY	COMMON NAME	BOTANICAL NAME	SIZE	MATURE HEIGHT	SPACING	COMMENTS
DECIDUOUS TREES							
ZS	3	ZELKOVA	ZELKOVA SERRATA 'GREEN VASE'	2-2 1/2' CAL. B&B	60-80'	AS SHOWN	40-50' SP
GRASSES AND PERENNIALS							
HM	30	DAYLILIES	HEMEROCALLIS 'STELLA DE ORO'	NO. 2 CONT.	12"	AS SHOWN	12" SP.
MS	20	MAIDEN GRASS	MISCANTHUS SINENSIS 'ADAGIO'	NO. 2 CONT.	3-4'	AS SHOWN	3-4' SP.
PA	48	FOUNTAIN GRASS	PENNISETUM ALOPECUROIDES 'HAMELN'	NO. 3 CONT.	1.5-2.5'	AS SHOWN	1.5-2.5'
SHRUBS							
PF	12	PINK BEAUTY POTENTILLA	POTENTILLA FRUTICOSA 'PINK BEAUTY'	NO. 3 CONT.	3'	AS SHOWN	3' SP.

ROCK MULCH SHALL BE 3-5" WASHED RIVER ROCK, UNIFORM IN SIZE. ALL FINES SHALL BE SCREENED TO WITHIN 1/4" TOLERANCE. MATERIAL SHALL BE FREE OF ORGANIC AND INORGANIC DEBRIS AND TRASH.

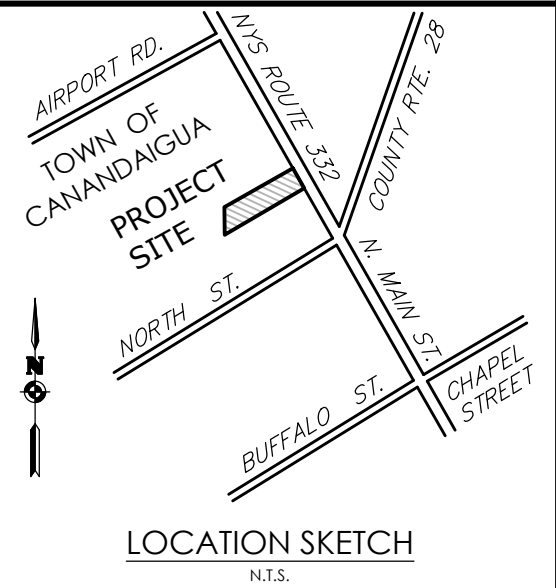
SEE SHEET C201-C204 FOR  
LIGHTING & LANDSCAPING  
NOTES & DETAILS

HORIZONTAL SCALE  
30 0 15 30 60  
SCALE: 1"=30'

LEGEND:

- PROPERTY BOUNDARY
- RIGHT OF WAY
- EXISTING CENTER LINE ROAD
- SETBACK
- PROPOSED EASEMENT LINE
- EXISTING EASEMENT LINE
- PROPOSED BUILDING
- PROPOSED PARKING COUNT
- PROPOSED CONCRETE
- PROPOSED ACCESS RAMP
- PROPOSED PAVEMENT STRIPING
- PROPOSED CURB
- PROPOSED SIGN
- EXISTING SIGN
- PROPOSED LIGHT POLE
- PROPOSED FENCE
- PROPOSED BUILDING MOUNTED LIGHT
- PROPOSED DECORATIVE BOULDER
- PROPOSED VACUUM STATION

**PA**  
PASSERO ASSOCIATES  
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LIGHTING &  
LANDSCAPING PLAN

ROYAL CAR WASH

Town/City: Canandaigua  
County: Ontario State: New York

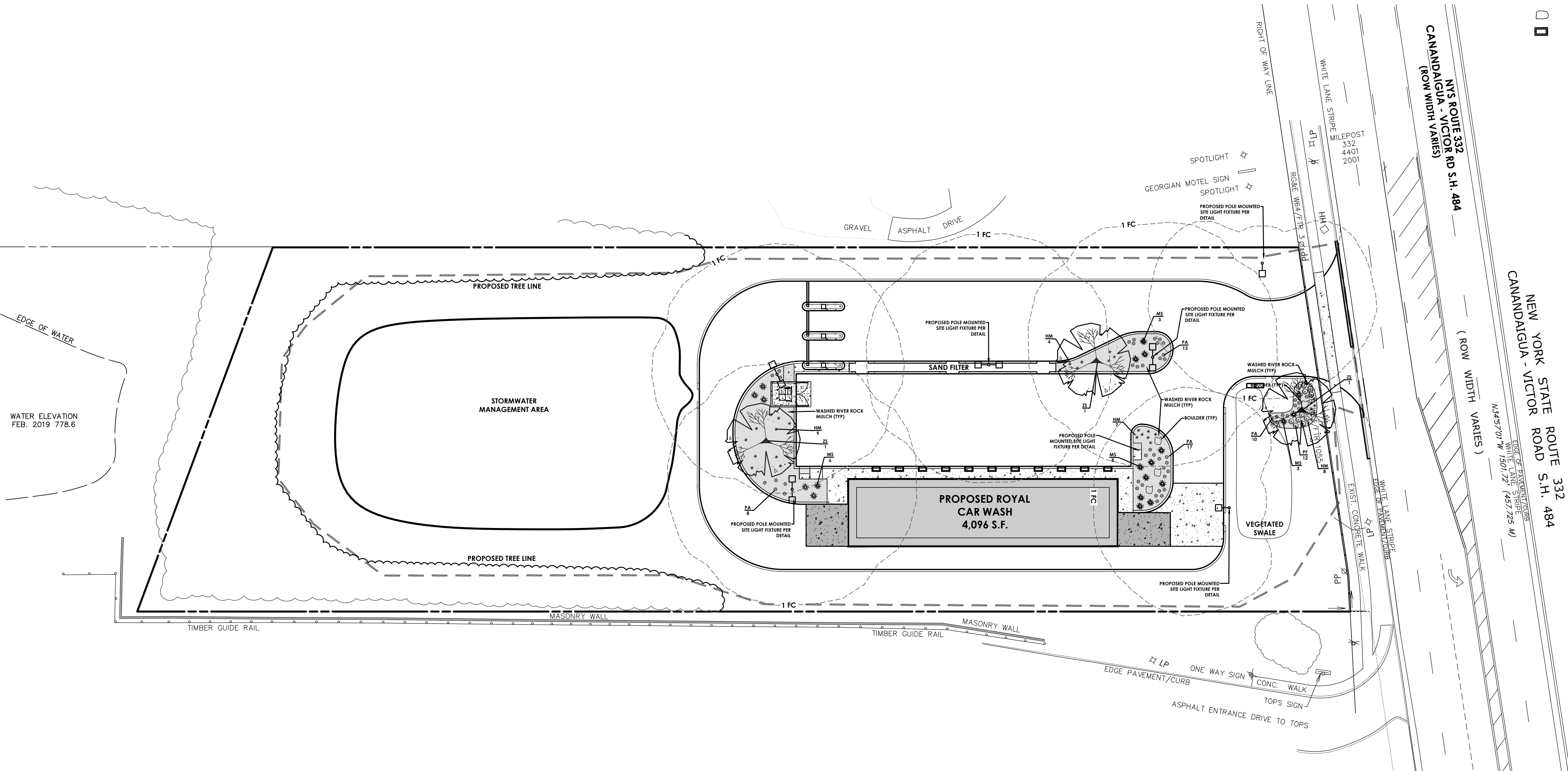
Project No.  
20182698.0001

Drawing No. C106  
Sheet No. 6

Scale: 1" = 30'

Date  
MARCH 2019

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PLANNING BOARD CHAIRPERSON

APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_  
TOWN ENGINEER

APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_  
TOWN OF CANANDAIGUA HIGHWAY SUPERINTENDENT

APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_  
CANANDAIGUA-FARMINGTON WATER/SEWER DISTRICT SUPERINTENDENT



CONSTRUCTION SEQUENCE FOR GRADING AND EROSION CONTROL:

1. INSTALL PERIMETER SILT FENCE.
2. INSTALL STABILIZED CONSTRUCTION ENTRANCE.
3. INSTALL POND AREAS.
4. CONSTRUCT DRAINAGE SWALES ALONG PROPERTY LINES AS SHOWN.
5. CLEAR AND GRUB THE PROJECT IMPROVEMENTS AREAS.
6. STRIP TOPSOIL AND TRUCK EXCESS OFF-SITE.
7. GRADE IMPROVEMENTS AREAS WITHIN THE PROJECT SITE. AREAS WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR MORE THAN 7 DAYS WILL BE STABILIZED WITH A TEMPORARY SEED AND MULCH WITHIN 7 DAYS OF THE LAST DISTURBANCE.
8. CONSTRUCT DROP INLET PROTECTION DEVICES AFTER STORM SEWER INSTALLATION AS SHOWN ON THIS PLAN.
9. REPLACE TOPSOIL AND FINE GRADE.
10. HYDRO-SEED ALL DISTURBED AREAS WITHIN 7 DAYS AFTER FINAL GRADING. CONTRACTOR IS RESPONSIBLE TO RESEED IF GRADING IS UNSATISFACTORY.
11. UPON APPROVAL OF THE TOWN, REMOVE ALL TEMPORARY SITUATION CONTROLS.
12. SLOPES SHALL NOT EXCEED 1" VERTICAL TO 3" HORIZONTAL MAX. MAINTAIN 1:4 WHERE POSSIBLE.
13. MINIMUM OF 6" OF TOPSOIL IS TO BE PLACED ON ALL GRASS AREAS.
14. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED BASED UPON ACTUAL FIELD CONDITIONS ABOVE. CONTRACTOR SHALL PROVIDE FOR THIS COST IN HIS CONTRACT.
15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SITUATION AND EROSION CONTROL MEASURES FROM INSTALLATION THROUGH MAINTENANCE AND REMOVAL AFTER REVEGETATION HAS BEEN ESTABLISHED.
16. ALL END SECTIONS WILL BE PROVIDED WITH RIP-RAP APRONS.
17. ALL EROSION AND SEDIMENT CONTROL METHODS WILL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL.
18. ALL EROSION CONTROL MEASURES WILL BE REMOVED AFTER APPROVED BY QUALIFIED PROFESSIONAL.

AT THE VERY MINIMUM, EROSION CONTROL SHALL BE AS SHOWN ON THIS PLAN. EROSION CONTROL MAY CONSIST OF SEDIMENT TRAPS AND/OR ENVIRONMENTAL FENCES. THE CONTRACTOR AND THE DEVELOPER SHALL BE RESPONSIBLE FOR THE INTEGRITY, MAINTENANCE AND REMOVAL OF EROSION CONTROL MEASURES UNTIL NO LONGER DEEMED NECESSARY BY THE TOWN OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL MAINTAIN THE STORM SEWER SYSTEM UNTIL THE PROJECT IS DEVELOPED AND APPROVED BY THE TOWN AND OWNER. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED IN GOOD WORKING ORDER. THE OWNER SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE STONE FILL. CORRECTIVE ACTIONS, AS IDENTIFIED BY THE DEVELOPER'S ONSITE REPRESENTATIVE OR A TOWN REPRESENTATIVE, SHALL BE INITIATED WITHIN 24 HOURS OF BEING REPORTED. THE TOWN MAY REVIEW THE PROJECT SITE AT ANY TIME. REVIEW OF EROSION CONTROL MEASURES BY THE TOWN DOES NOT RELIEVE THE DEVELOPER OF HIS OBLIGATIONS TO EXECUTE RESPONSIBLE STANDARD MANAGEMENT PRACTICES.

CONSTRUCTION SEQUENCE FOR STEEP SLOPE STABILIZATION/ JUTE MESH INSTALLATION FOR SLOPES OF 1:3 OR GREATER:

1. STRIP TOPSOIL ON SLOPE.
2. GRADE SLOPE PER PLAN. CONTRACTOR SHALL TAKE CARE TO NOT OVER EXCAVATE EMBANKMENT.
3. REPLACE TOPSOIL.
4. TRACK TOPSOIL WITH A BULLDOZER IN A DIRECTION PERPENDICULAR TO THE PROPOSED CONTOUR LINES.
5. IMMEDIATELY SEED AND FERTILIZE TOPSOIL PER PLAN.
6. IMMEDIATELY APPLY JUTE MESH UNROLLING THE PRODUCT DOWN THE SLOPE. DO NOT STRETCH THE MESH, ALLOWING IT TO FULLY CONTACT THE SOIL.
7. SECURE THE JUTE MESH WITH STAPLES (11 GAUGE - 8"x1"x8") 24" APART THOUGH OUT THE MATTING (APPROXIMATELY 200 STAPLES PER 100 SY). STAPLES SHOULD BE DRIVEN FLUSH WITH THE GROUND.
8. SECURE BEGINNING AND END OF ROLL BY ANCHORING THE MATTING INTO 6" DEEP SLOTS CUT INTO THE SOIL. THEN STAPLE MATTING AT CHECK SLOTS.

PUBLIC WATER SERVICE LINE NOTES (4" & GREATER):

1. WATER SERVICE LINES (LATERALS) SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE REGULATION AND SPECIFICATIONS OF THE CITY OF CANANDAIGUA.
2. WATER SERVICE LINES SHALL HAVE A MINIMUM OF FIVE FEET OF COVER FROM FINISHED GRADE IN LAWN AREAS AND SIX FEET COVER FROM FINISHED GRADE IN PAVED AREAS.
3. WATER SERVICE LINES SHALL BE SEPARATED AT LEAST TEN FEET, MEASURED FROM THE OUTSIDE OF THE PIPES, FROM SEWER MAINS OR SEPTIC SYSTEMS
4. WATER SERVICE LINES SHALL BE AS IDENTIFIED AS:

DESCRIPTION	SIZE	MATERIAL (a) TYPE (b)	CM8
CITY PORTION = FROM THE WATER MAIN TO AND INCLUDING THE CONTROL VALVE ON THE ROW/PROPERTY EASEMENT LINE	4"	DR-14	CMB
PRIVATE PORTION = FROM THE CONTROL VALVE TO THE RPT	4"	DR-14	CMB

(a) ACCEPTABLE MATERIAL IS "POLY WRAPPED CLASS 52 CEMENT MORTAR LINED DUCTILE IRON PIPE OR DR-14

(b) SERVICE TYPES INCLUDE:DOMESTIC = DS, FIRE = FS, OR COMBINED = CMB

5. THE PUBLIC PORTION OF THE WATER SERVICE LINE SHALL BE INSTALLED PRIOR TO THE PRIVATE PORTION OF THE SERVICE LINE.
6. WATER METER(S) TO BE LOCATED ON THE INTERIOR OF EXTERIOR WALL(S) IMMEDIATELY UPON SERVICE ENTRANCE INTO THE BUILDING(S). RESIDENTIAL SERVICES: A BY-PASS ASSEMBLY IS NOT REQUIRED AROUND THE INSTALLATION OF 1/2 INCH THROUGH 2-INCH METERS. NON-RESIDENTIAL SERVICES: THE INSTALLATION OF AN 1 1/2 INCH METER OR LARGER REQUIRES A BY-PASS ASSEMBLY AROUND THE METER.
7. PUBLIC WATER LINES SHALL BE:
  - PRESSURE TESTED TO 150 PSI OR 150% OF STATIC LINE PRESSURE, WHICHEVER IS GREATER, IN ACCORDANCE WITH THE LATEST SPECIFICATIONS OF THE CANANDAIGUA-FARMINGTON WATER DEPT. A REPRESENTATIVE MUST WITNESS THIS TEST.
  - DISINFECTED BY USING THE CONTINUOUS FEED METHOD ACCORDING TO AWWA STANDARD SPECIFICATIONS. AFTER FLUSHING AND DISINFECTING THE SERVICE LINE, WATER SAMPLES SHALL BE COLLECTED BY THE CONTRACTOR. APPROVAL AND NOTIFICATION BY THE HEALTH DEPARTMENT MUST BE RECEIVED BEFORE THE LATERAL IS PLACED IN SERVICE.
8. PRIVATE WATER LINES SHALL BE:
  - PRESSURE TESTED TO 150 PSI IN ACCORDANCE WITH THE LATEST SPECIFICATIONS OF THE CANANDAIGUA-FARMINGTON WATER DEPT. A REPRESENTATIVE MUST WITNESS THIS TEST.
  - DISINFECTED BY USING THE CONTINUOUS FEED METHOD ACCORDING TO AWWA STANDARD SPECIFICATIONS. AFTER FLUSHING AND DISINFECTING THE SERVICE LINE, WATER SAMPLES SHALL BE COLLECTED BY THE CONTRACTOR AND SUBMITTED TO A THIRD PARTY TESTING COMPANY.

FARMINGTON WATER MAIN NOTES

PROVISIONS FOR MEETING THE FLUSHING AND TESTING WATER SHALL BE MADE. WATER USED MUST BE PURCHASED BY THE DEVELOPER.

1. **PRESSURE TESTS:**  
WATER PIPING SHALL BE FLUSHED AND TESTED IN CONFORMANCE WITH THE LATEST REVISION OF ANSI/AWWA C600 STANDARD FOR DUCTILE-IRON PIPE, C605 FOR PVC PIPE, OR EQUIVALENT OF C600 AND/OR C605 FOR PE PIPE.
2. **DISINFECTION:**  
THE PROPOSED WORKS MUST CONFORM TO LATEST REVISION OF ANSI/AWWA C651 STANDARD, TABLET METHOD EXCEPTED. FOLLOWING FLUSHING AND TESTING, THE ENGINEER SHALL OVERSEE COLLECTION OF 2 CONSECUTIVE DAYS OF AN APPROPRIATE NUMBER OF BACTERIOLOGICAL SAMPLES FOR TOTAL AND FECAL COLIFORM AND FOR STANDARD BACTERIAL PLATE COUNT AFTER THE FIELD FREE CHLORINE RESIDUAL IS LESS THAN 1.5 PPM AND THE SAMPLING POINTS HAVE BEEN DECONTAMINATED. PRIOR TO SAMPLING, THE ENGINEER SHALL COORDINATE THE APPROPRIATE NUMBER AND LOCATIONS OF SAMPLES TO BE COLLECTED WITH THE COUNTY OR STATE HEALTH DEPARTMENT HAVING JURISDICTION.
3. **SAMPLES:**  
AFTER FLUSHING OF THE NEWLY DISINFECTED MAIN AND IN ACCORDANCE WITH THE SECTION ABOVE, THE CONTRACTOR SHALL OBTAIN SAMPLES OF WATER AND SUBMIT THEM TO A LABORATORY APPROVED BY THE NEW YORK STATE DEPARTMENT OF HEALTH. UPON THE RECEIPT OF A SATISFACTORY LABORATORY REPORT, THIS INFORMATION TOGETHER WITH THE DESIGN ENGINEER'S CERTIFICATE OF CONSTRUCTION SHALL BE SUBMITTED TO THE NEW YORK STATE DEPARTMENT OF HEALTH FOR APPROVAL. UPON RECEIPT OF THE APPROVAL OF COMPLETED WORK FROM THE HEALTH DEPARTMENT, THE WATER SYSTEM SHALL BE CONSIDERED COMPLETE AND MAY BE ACCEPTED FOR SERVICE BY THE TOWN.
4. **DEFECTIVE AREAS:**  
IN ANY AREAS WHERE SATISFACTORY RESULTS OF APPLIED TESTS CANNOT BE OBTAINED, THAT PORTION OF THE SYSTEM SHALL THEN BE RETESTED UNTIL SATISFACTORY RESULTS ARE OBTAINED. USE OF REPAIR CLAMPS WILL NOT BE PERMITTED BY THE TOWN.

STANDARD WATER MAIN EXTENSION NOTES:

1. 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. ALL WATER MAIN FITTINGS NOT RECEIVING 24-HOUR CHLORINE DISINFECTION CONTACT TIME MUST BE SWAB DISINFECTED 30 MINUTES PRIOR TO INSTALLATION. THE SAMPLING POINT(S) MUST BE DECONTAMINATED BY FLAMING. FIRE HYDRANTS ARE NOT ACCEPTABLE SAMPLING POINTS. SAMPLING WILL NOT BE PERFORMED PRIOR TO RECEIPT FROM A NEW YORK STATE LICENSED OR REGISTERED DESIGN PROFESSIONAL (ENGINEER, ARCHITECT OR LAND SURVEYOR WITH A SPECIAL EXEMPTION UNDER SECTION 7208(n) OF THE EDUCATION LAW) CERTIFYING THAT THE WATER SUPPLY IMPROVEMENTS, TESTING AND DISINFECTION PROCEDURES WERE COMPLETED IN ACCORDANCE WITH THE APPROVED PLANS, REPORTS, SPECIFICATIONS AND ANY APPROVED AMENDMENTS. SAMPLES SHALL BE COLLECTED FOR FREE CHLORINE RESIDUAL, TOTAL AND FECAL COLIFORM AND 24-HOUR BACTERIAL PLATE COUNT TO A NYS CERTIFIED LABORATORY AND RESULT PROVIDED TO NYSDOH. THE WATER MAIN SHALL NOT BE PLACED INTO SERVICE UNTIL SO AUTHORIZED BY THE NYS DEPARTMENT OF HEALTH.
2. MINIMUM VERTICAL SEPARATION BETWEEN WATER MAINS AND SEWER LINES SHALL BE 18 INCHES MEASURED FROM THE OUTSIDE OF THE PIPE AT THE POINT OF CROSSING. ONE FULL STANDARD LAYING LENGTH OF WATER MAIN SHALL BE CENTERED UNDER OR OVER THE SEWER SO THAT BOTH JOINTS WILL BE AS FAR FROM THE SEWER AS POSSIBLE. IN ADDITION, WHEN THE WATER MAIN PASSES UNDER A SEWER, ADEQUATE STRUCTURAL SUPPORT (COMPACTED SELECTED FILL) SHALL BE PROVIDED FOR THE SEWER TO PREVENT EXCESSIVE DEFLECTION OF JOINTS AND SETTLING OF THE SEWER ON THE WATER MAIN. MINIMUM HORIZONTAL SEPARATION BETWEEN PARALLEL WATER MAINS AND SEWER PIPES (INCLUDING MANHOLES AND VAULTS) SHALL BE 10 FEET MEASURED FROM THE OUTSIDE OF THE PIPES, MANHOLES OR VAULTS.
3. WHEN INSTALLING FIRE HYDRANTS, SHOULD GROUND WATER BE ENCOUNTERED WITHIN SEVEN (7) FEET OF THE FINISHED GRADE, FIRE HYDRANT WEEP HOLES (DRAINS) SHALL BE PLUGGED.
4. THE WATER MAIN SHALL BE PRESSURE/LEAKAGE TESTED IN ACCORDANCE WITH THE MINIMUM REQUIREMENTS OF THE AWWA STANDARD C600 (LATEST REVISION) OR IN ACCORDANCE WITH MORE STRINGENT REQUIREMENTS IMPOSED BY THE SUPPLIER OF WATER.

ARCHITECTURAL COORDINATION NOTE:

THE CONTRACTOR IS RESPONSIBLE TO COORDINATE ALL UTILITY CONNECTIONS WITH MECHANICAL/ARCHITECTURAL DRAWINGS FOR LOCATION, PENETRATION, AND SIZES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE WITH ALL SUBCONTRACTORS FOR PROPER UTILITY CONNECTIONS. ANY DISCREPANCIES SHALL BE IMMEDIATELY DESCRIBED TO ENGINEER AND ARCHITECT.

ELECTRIC & GAS SERVICE COORDINATION NOTES:

1. ELECTRIC AND PLUMBING CONTRACTORS SHALL COORDINATE WITH EACH OTHER AND DIRECTLY WITH ROCHESTER GAS & ELECTRIC (RG&E) ELECTRIC AND GAS DEPARTMENTS FOR METER AND SERVICE LOCATIONS PRIOR TO INSTALLATION.
2. ELECTRIC AND PLUMBING CONTRACTORS SHALL ALLOW FOR THE NECESSARY PROVISIONS WHEN INSTALLING METERS AND SERVICES IN ACCORDANCE WITH RG&E DESIGN AND INSTALLATION GUIDELINES.
3. ELECTRIC AND PLUMBING CONTRACTORS SHALL DIRECTLY COORDINATE WITH EACH OTHER AND DIRECTLY WITH RG&E FOR ELECTRIC AND GAS START-UP.

LANDSCAPING NOTES:

1. ALL PLANTS SHALL MEET OR EXCEED THE MINIMUM REQUIREMENTS AS NOTED IN THE LATEST EDITION OF THE AMERICAN STANDARD FOR NURSERY STOCK BY AMERICAN NURSERY AND LANDSCAPE ASSOCIATION.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HIS OWN QUANTITY TAKEOFF.
3. CONTRACTOR SHALL STAKEOUT PLANTINGS FOR OWNER'S APPROVAL PRIOR TO BEGINNING WORK.
4. THE CONTRACTOR IS HEREBY NOTIFIED THAT UNDERGROUND UTILITIES EXIST AND HE SHOULD CALL FOR A COMPLETE UTILITY STAKEOUT BEFORE COMMENCING WORK.
5. SHOULD LOCATION OF TREES BE WITHIN 5' OF UNDERGROUND UTILITIES, RELOCATE SAID TREES TO MIN. OF 5' FROM BALL TO UTILITIES.
6. SHOULD LOCATIONS OF TREES BE WITHIN 20' OF OVERHEAD WIRES, RELOCATE SAID TREES TO MINIMUM OF 20' FROM WIRES.
7. PLANTING BACKFILL MIXTURE:  
4 PARTS TOPSOIL: 1 PART PEAT MOSS, 10 LBS. 5-0-5 PLANTING FERTILIZER THOROUGHLY MIXED PER CUBIC YARD.
8. STAKE TREES IMMEDIATELY AFTER PLANTING.
9. PROVIDE BLACK HARD RUBBER EDGING AT ALL PLANTING AREAS.
10. ALL SEEDED AREAS SHALL RECEIVE 10:0:10 COMMERCIAL FERTILIZER APPLIED AT A RATE OF 20LBS./1000 S.F. NO FERTILIZER CONTAINING PHOSPHORUS IS PERMITTED ON SITE.
11. ALL NEWLY SEEDDED AREA SHALL RECEIVE STRAW AT A RATE OF 2000 LBS./ACRE OR HYDROSEED METHOD MAY BE UTILIZED.
12. FINE GRADE & HAND RAKE SOIL IN AREAS TO RECEIVE NEW SEED
13. ALL AREAS TO BE SEEDDED SHALL RECEIVE 6" DEPTH OF TOPSOIL.
14. ANY PROPOSED DEVIATION TO THIS PLAN MUST FIRST BE REVIEWED AND APPROVED BY THE PLANNING BOARD AND TOWN ENGINEER, PRIOR TO THE INSTALLATION OF THOSE PROPOSED LANDSCAPE CHANGES.
15. RED MAPLE, BLACK TUPELO, BIRCH, OAK AND ZELKOVA ARE CONSIDERED FALL PLANTING HAZARD. CONTRACTOR SHALL TAKE SPECIAL CARE WHEN PLANTING AND WATERING THESE TREES.

SEEDING NOTE

TO PROVIDE THE FOLLOWING SEED MIXTURES DURING CONSTRUCTION:

TEMPORARY SEEDING:

RYEGRASS (ANNUAL OR PERENNIAL) @ 120 LBS. PER ACRE OR 0.7 LBS. PER 1000 SQUARE FEET.

PERMANENT SEEDING:

45% KENTUCKY BLUEGRASS BLEND @ 85LBS. PER ACRES OR 2.0-2.4 LBS. PER 1000 SQUARE FEET  
20% PERENNIAL RYEGRASS @ 26-35 LBS. PER ACRE OR 0.4-0.8 LBS. PER 1000 SQUARE FEET  
15% FINE FESCUE @ 19-26 LBS. PER ACRE OR 0.4-0.6 LBS. PER 1000 SQUARE FEET

FOR ALL SEEDING & STABILIZATION MEASURES IT IS THE RESPONSIBILITY OF THE OWNER & DEVELOPER TO ENSURE THAT FINAL STABILIZATION OCCURS AS REQUIRED BY THE NYSDEC. AREAS WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR MORE THAN 7 DAYS WILL BE STABILIZED WITH A TEMPORARY SEED AND MULCH WITHIN 7 DAYS OF THE LAST DISTURBANCE. ONCE CONSTRUCTION ACTIVITY CEASES PERMANENTLY IN AN AREA, THAT AREA WILL BE STABILIZED WITH PERMANENT SEED AND MULCH. AFTER THE ENTIRE SITE IS STABILIZED, THE ACCUMULATED SEDIMENT WILL BE REMOVED FROM THE SEDIMENT BASIN(S).

UTILITY NOTES:

1. PRIOR TO THE START OF UTILITY INSTALLATION THE CONTRACTOR AND SUBCONTRACTOR IS RESPONSIBLE FOR COORDINATION OF ALL UTILITY CONNECTIONS WITH MECHANICAL/ARCHITECTURAL DRAWINGS FOR INCLUDING BUT NOT LIMITED TO VERTICAL AND HORIZONTAL LOCATION, PENETRATIONS, AND SIZES. THE CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION TO PROCEED WITH INSTALLATION BY THE OWNERS ONSITE REPRESENTATIVE UPON COMPLETION OF COORDINATION WITH CONTRACTORS, AND PLANS.
2. THE DEVELOPER AND HIS/HER CONTRACTOR IS RESPONSIBLE FOR COORDINATING GAS, ELECTRICAL, CABLE, TELEPHONE AND ANY OTHER UTILITIES NOT SPECIFICALLY SHOWN WITHIN THIS PLAN SET WITH APPROPRIATE AGENCY. PASSERO ASSOCIATES ASSUMES NO RESPONSIBILITY FOR THE DESIGN OR PERFORMANCE OF UTILITIES NOT SPECIFICALLY SHOWN WITHIN THIS PLAN SET.
3. PRIOR TO THE START OF UTILITY INSTALLATION THE CONTRACTOR SHALL LOCATE ALL EXISTING UTILITIES VERTICALLY AND HORIZONTALLY AND COORDINATE WITH EXISTING UTILITIES SHOWN ON THE PLANS AND REPORT ANY DISCREPANCIES TO THE DESIGN ENGINEER. THE CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION TO PROCEED WITH UTILITY INSTALLATION BY THE OWNERS ONSITE REPRESENTATIVE UPON COMPLETION EXISTING UTILITY VERIFICATION.
4. THRUST BLOCKS ON THE WATERMAIN ARE REQUIRED AT BENDS, TEES OR PLUGS. SEE DETAIL SHEETS FOR THRUST BLOCK DETAILS.

STORM NOTES

1. STORM SEWERS AND APPURTENANCES SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE LATEST REGULATIONS OF THE MUNICIPALITY
2. PROPOSED STORM SEWER LATERAL MATERIAL:  
PVC SDR-35 6" MIN. SIZE & SHALL BE LAID AT A MINIMUM GRADE OF 1/4" PER FT.  
STORM SEWER MATERIAL:  
ADS HDPE 12" MIN.
3. FOUNDATION DRAINS SHALL BE CONNECTED TO STORM WATER SYSTEM VIA SUMP PUMPS. DOWNSPOUTS SHALL BE CONNECTED TO STORM SEWER WHERE APPLICABLE, WHERE NOTED ON THE PLANS DOWNSPOUTS SHALL DISCHARGE TO SPLASH BLOCKS.
4. UPON COMPLETION OF SYSTEM INSTALLATION, THE MAIN SEWER SYSTEM AND LEADS TO STRUCTURES SHALL BE FLUSHED AND LAMPED TO THE SATISFACTION OF THE MUNICIPALITY.

DEMOLITION NOTES

1. MILL ASPHALT PER PLAN AND STOCKPILE FOR RE-USE.
2. FOR FULL DEPTH PAVEMENT EXCAVATION: THE TOP OF THE EXISTING CURB IS TO REMAIN AND SHALL HAVE A REVEAL OF 6" AT THE COMPLETION OF CONSTRUCTION. EXISTING SUITABLE SUB-BASE ENCOUNTERED DURING EXCAVATION SHALL BE STOCKPILED FOR RE-USE. EXCESS MATERIALS OR UNSUITABLE MATERIAL SHALL BE HAULED OFF-SITE.
3. PREPARE AND PLACE A SUB-BASE COURSE COMPOSED OF A BLEND OF THE EXISTING SUB-BASE (FROM STOCKPILE), ASPHALT MILLINGS (FROM STOCKPILE) AND IF NEEDED, ADDITIONAL STONE AGGREGATE TO OBTAIN THE SPECIFIC DEPTH OF AND THE PLACEMENT OF 1" OF CRUSHED STONE FOR FINE GRADING PURPOSES.
4. PAVE ENTIRE PARKING AREA WITH TYPE 7F TOP COURSE ASPHALT.
5. UPON COMPLETION, ALL PAVING AREAS SHALL BE SMOOTH. ALL CURB SHALL HAVE 6" REVEAL. WATER SHALL DRAIN WELL INTO EXISTING CATCH BASINS (NO PONDING) ALL HANDICAP RAMPS SHALL BE FLUSH WITH NEW PAVEMENT AND SHALL MEET ALL ADA REGULATIONS.

ONTARIO COUNTY SANITARY LATERAL NOTES

1. 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.
2. NO SANITARY SEWER RELATED WORK MAY BE PERFORMED WITHOUT FIRST OBTAINING A WRITTEN PERMIT FROM THE CANANDAIGUA LAKE COUNTY SEWER DISTRICT.
3. DISTRICT PERSONNEL SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO BEGINNING ANY SANITARY SEWER-RELATED WORK.
4. THE CONTRACTOR SHALL LOCATE, MARK AND PRESERVE ANY RIGHT OF WAY MONUMENTS OR SURVEY CONTROL IN THE AREA OF CONSTRUCTION.
5. 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.
6. 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.
7. 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.
8. 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.
9. THE CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH OSHA REQUIREMENTS IN ALL ASPECTS OF CONSTRUCTION.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING SANITARY FLOWS AT ALL TIMES BY METHODS ACCEPTABLE TO THE DISTRICT.
11. 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.
12. LATERAL CONNECTIONS REQUIRING OPENINGS IN ASBESTOS CEMENT PIPE WILL BE DESIGNED, INSPECTED AND CERTIFIED BY THE DESIGN ENGINEER OR REPRESENTATIVE THEREOF.
13. ANY EXCAVATION NOT BACKFILLED BY THE END OF THE WORKDAY SHALL BE FENCED, BARRICADED AND LIGHTED FOR SAFETY AND PROTECTION OF THE PUBLIC.
14. 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

15. 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.
16. 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 TELEVIEWED.
17. IN ORDER TO DETERMINE WHETHER AN EXISTING SANITARY LATERAL IS ACCEPTABLE FOR CONNECTION TO A NEW BUILDING, THE LATERAL SHALL BE TELEVIEWED IN THE PRESENCE OF DISTRICT PERSONNEL, AT THE OWNER'S EXPENSE.
18. 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.
19. IF A NEW SANITARY 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.

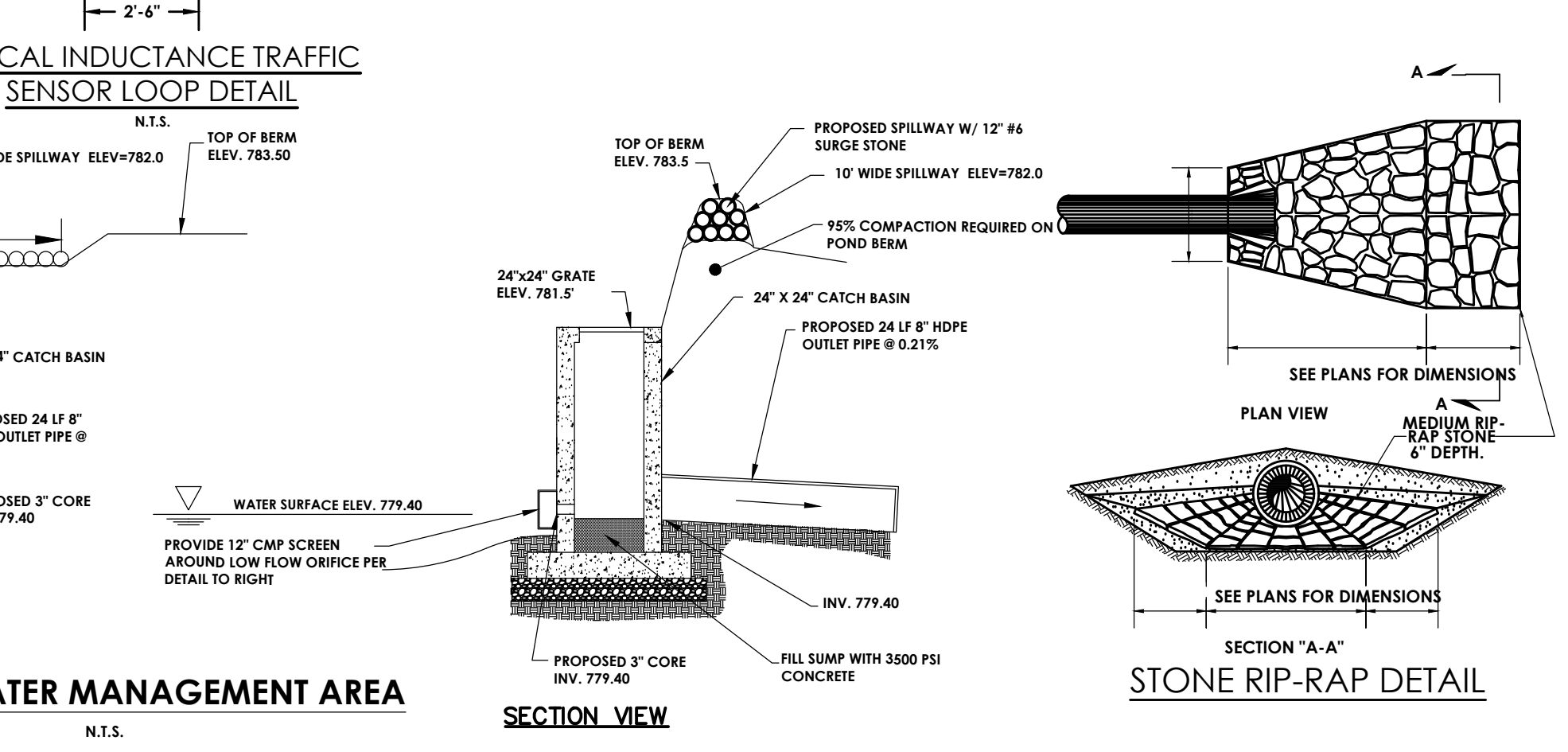
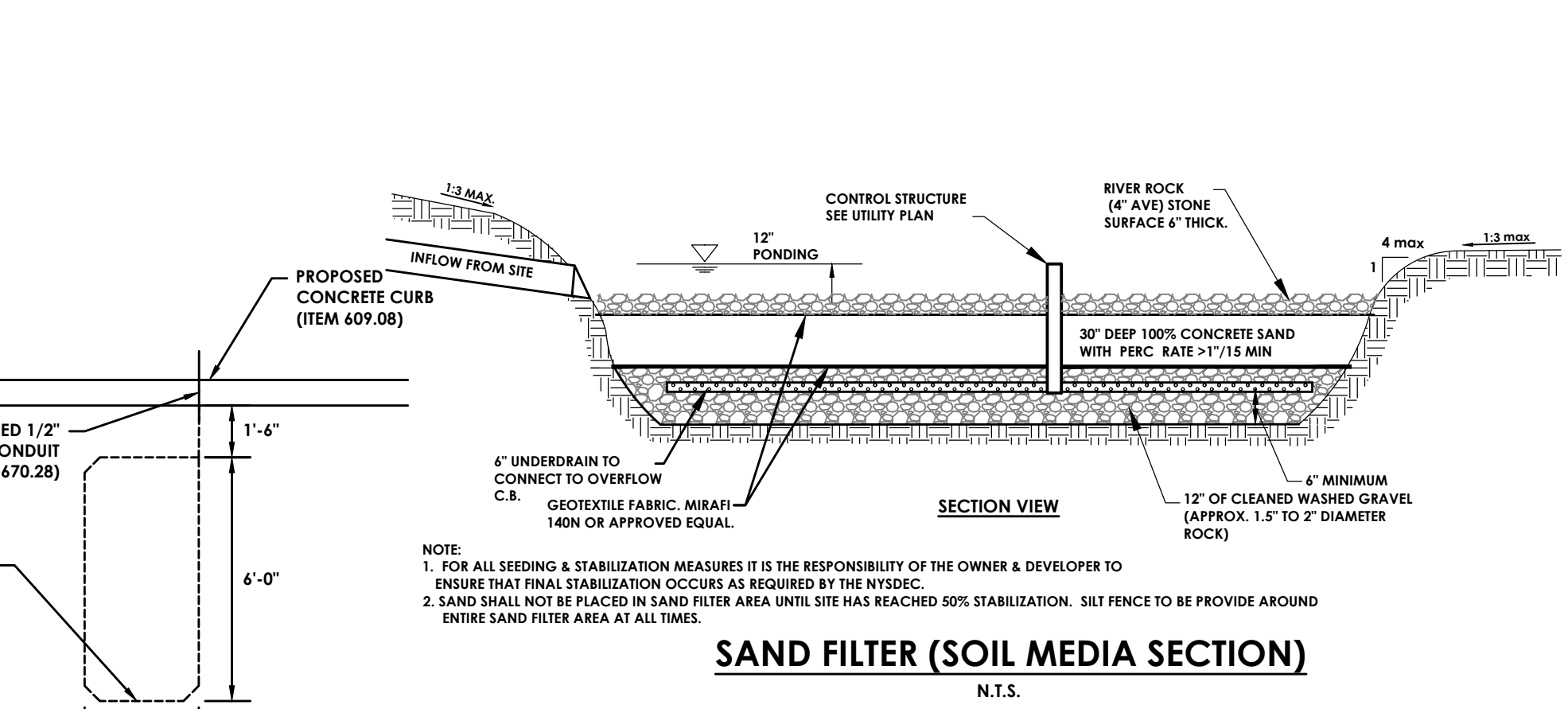
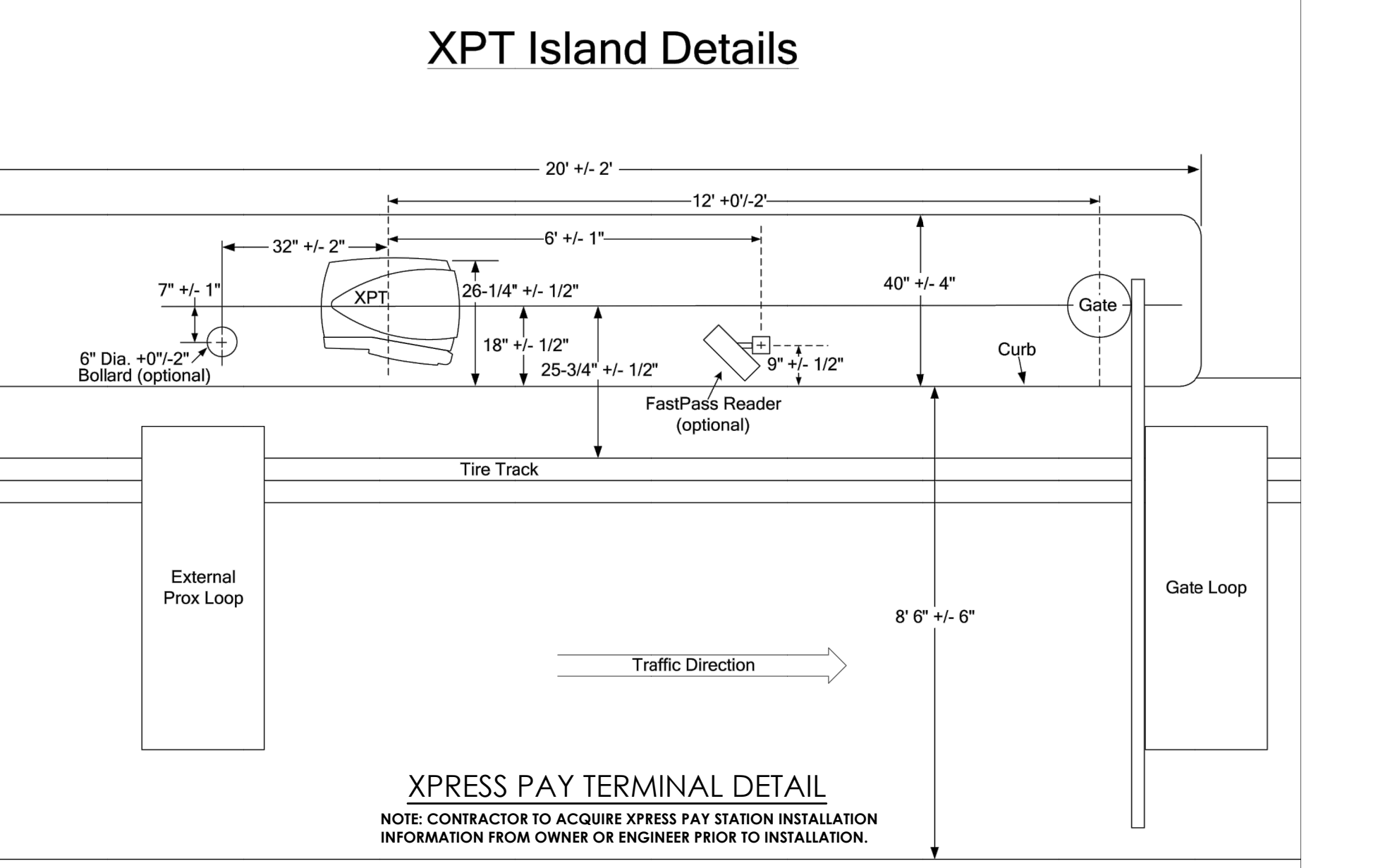
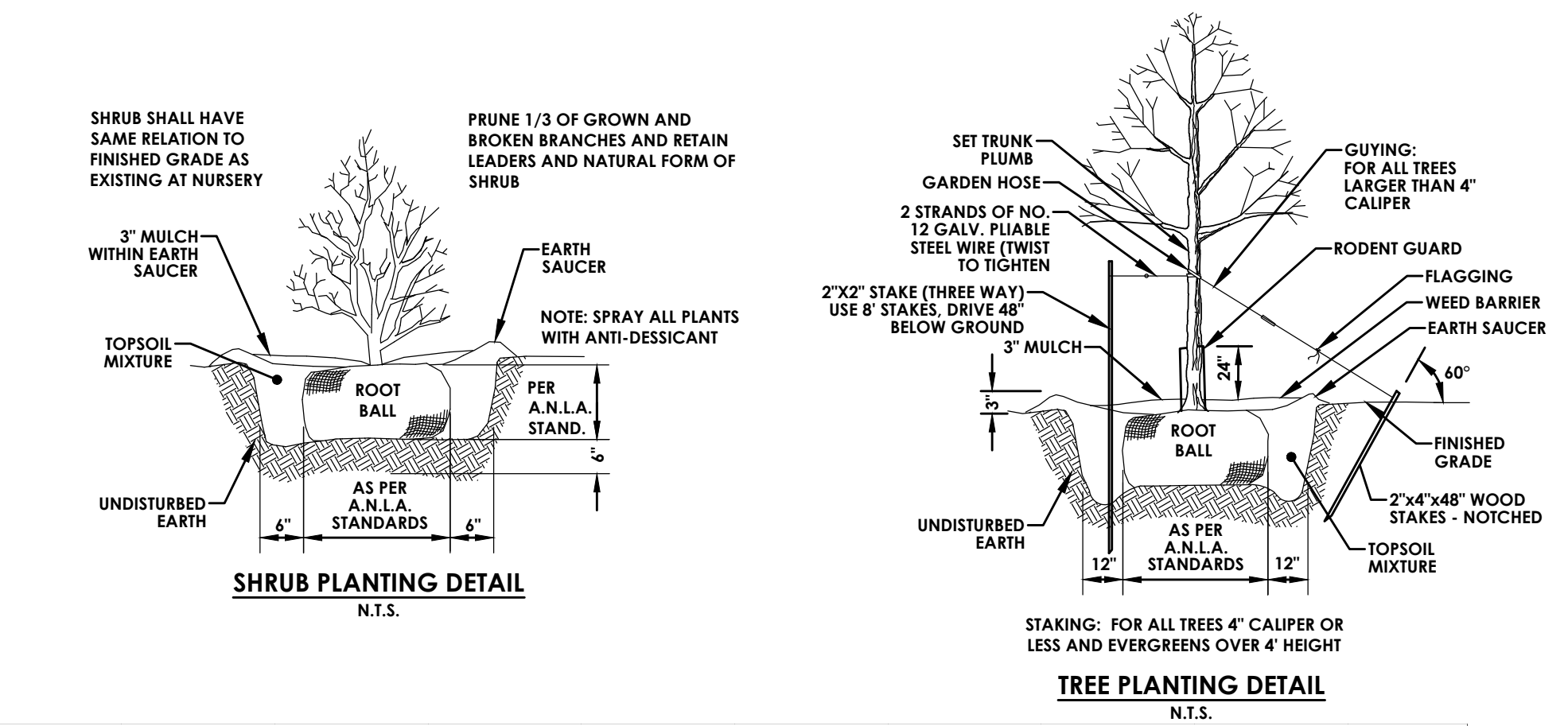
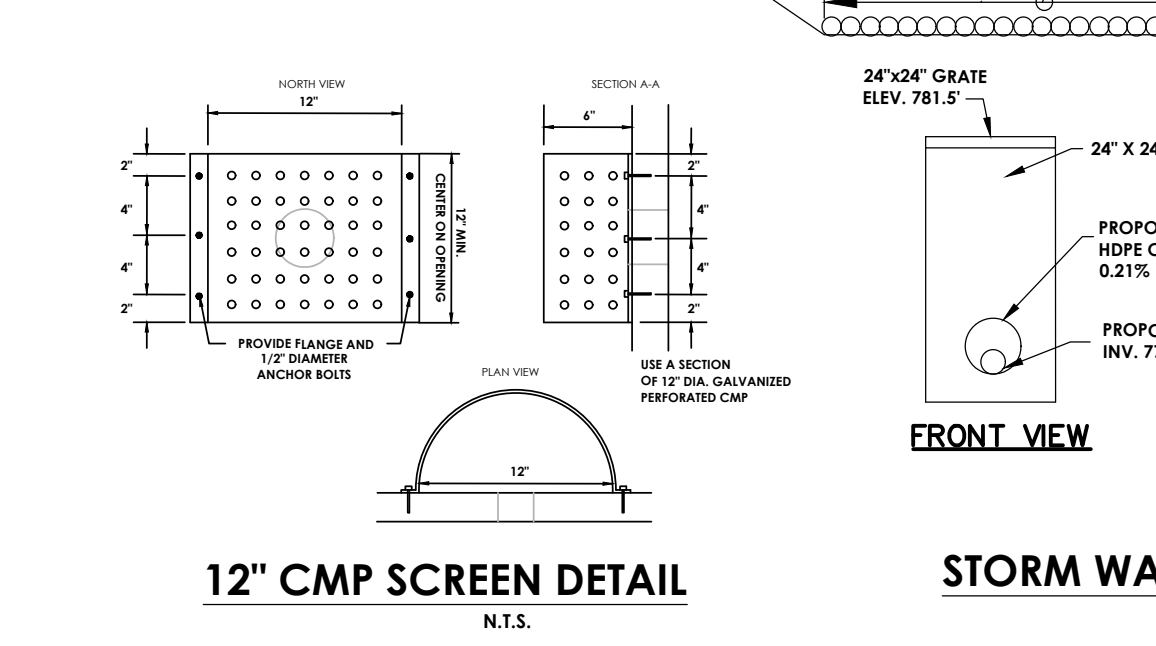
SEWER USE LAW:

FLOOR DRAINS, IF CONSTRUCTED, SHALL BE CONNECTED TO THE SANITARY/COMBINATION SEWER. FLOOR DRAINS DO NOT INCLUDE FOUNDATION/FOOTER DRAINS.

NOTE: ALL DISCHARGES TO THE SANITARY SEWER MUST COMPLY WITH THE LOCAL SEWER USE LAW.

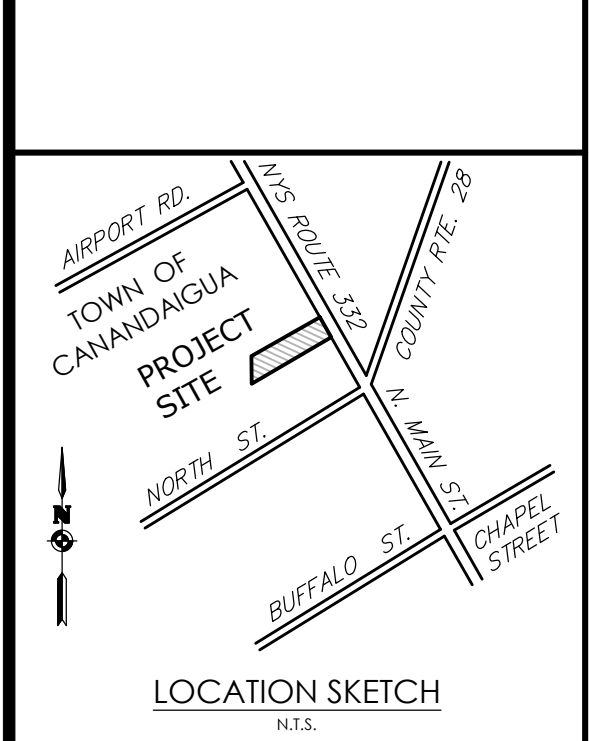
GENERAL NOTES

1. THE SANITARY WASTE DISPOSAL SYSTEM SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS OF THE NEW YORK STATE DEPARTMENT OF HEALTH AND THE CANANDAIGUA-FARMINGTON SEWER DISTRICT.
2. WATER SERVICE WILL BE INSTALLED IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE CANANDAIGUA-FARMINGTON WATER DEPT.
3. THE BUILDING CONSTRUCTION TO BE IN COMPLIANCE WITH THE NEW YORK STATE BUILDING CODE.
4. ANY COST RELATED TO THE RELOCATION OF ANY UTILITIES NECESSITATED BY THIS PROJECT SHALL BE THE RESPONSIBILITY OF THE OWNER OR THOSE REQUESTING THE RELOCATION OF THE UTILITY.
5. ANY AND ALL CULVERT LOCATIONS, SIZES OR TYPES, TO BE APPROVED BY THE TOWN SUPERINTENDENT OF HIGHWAYS.
6. ALL PROPERTY CORNERS TO BE MARKED WITH IRON PINS.
7. THIS SUBDIVISION SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF THE COUNTY MONUMENTATION LAW.
8. THE SUBDIVISION IS LESS THAN 1500 FEET FROM THE NEAREST CONTROL MONUMENT AND IS THEREFORE TIED INTO THE MONUMENTATION NETWORK.
9. THIS SUBDIVISION SHALL COMPLY WITH ANY COUNTY OR STATE AGENCIES HAVING JURISDICTION.
10. ALL SITE WORK TO BE IN COMPLIANCE WITH THE STANDARDS OF CHAPTER 29 - ARTICLE V OF THE TOWN OF CANANDAIGUA.
11. ALL CONSTRUCTION WILL BE IN ACCORDANCE WITH THE DESIGN CRITERIA AND CONSTRUCTION SPECIFICATIONS FOR LAND DEVELOPMENT FOR THE TOWN OF CANADAIGUA DATED THE MOST CURRENT REVISION.



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Designed by: Jon Daniels



Revisions			
No.	Date	By	Description

**NOTES**

**ROYAL CAR WASH**

Town/City: Canandaigua  
County: Ontario  
State: New York

Project No.: **20182698.0001**

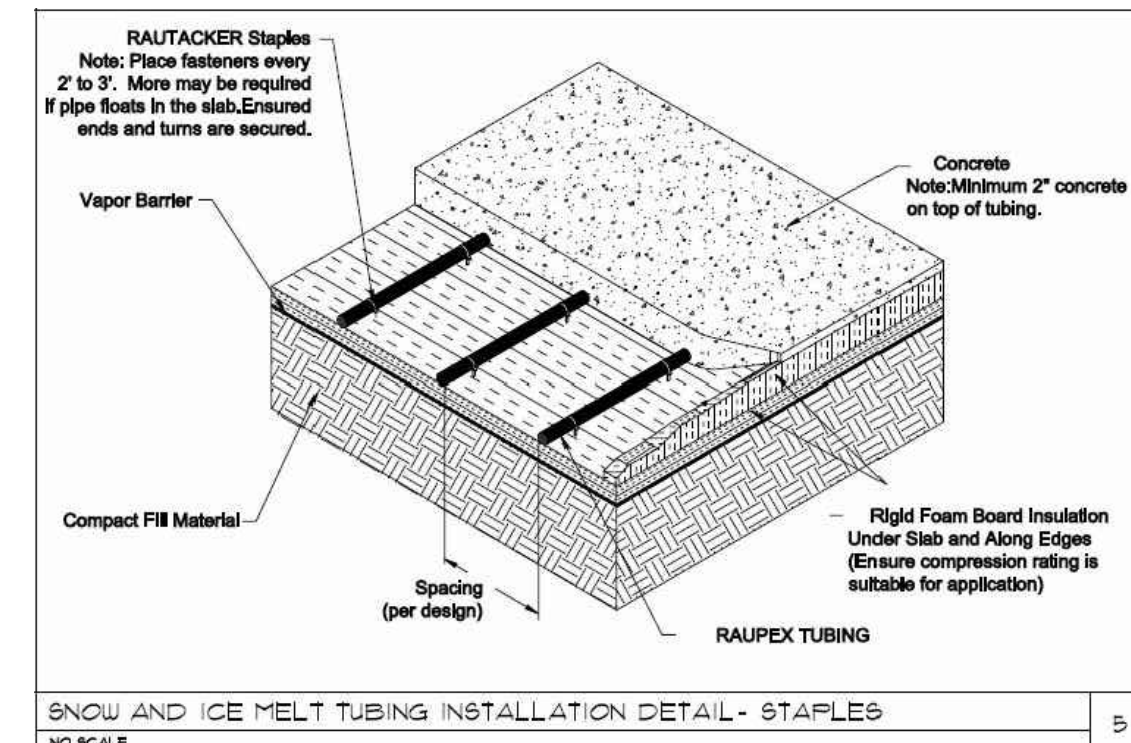
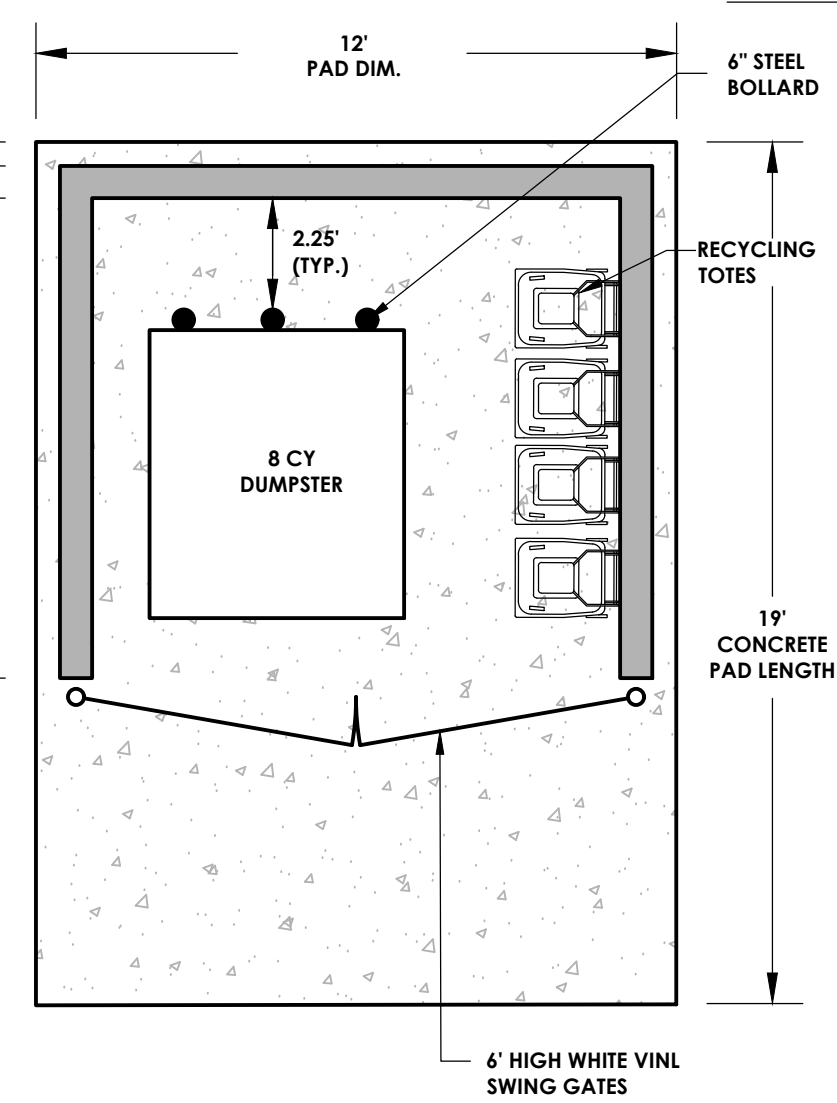
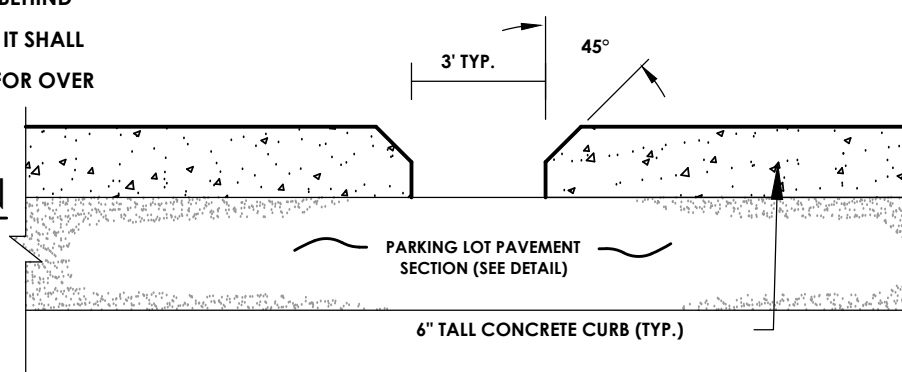
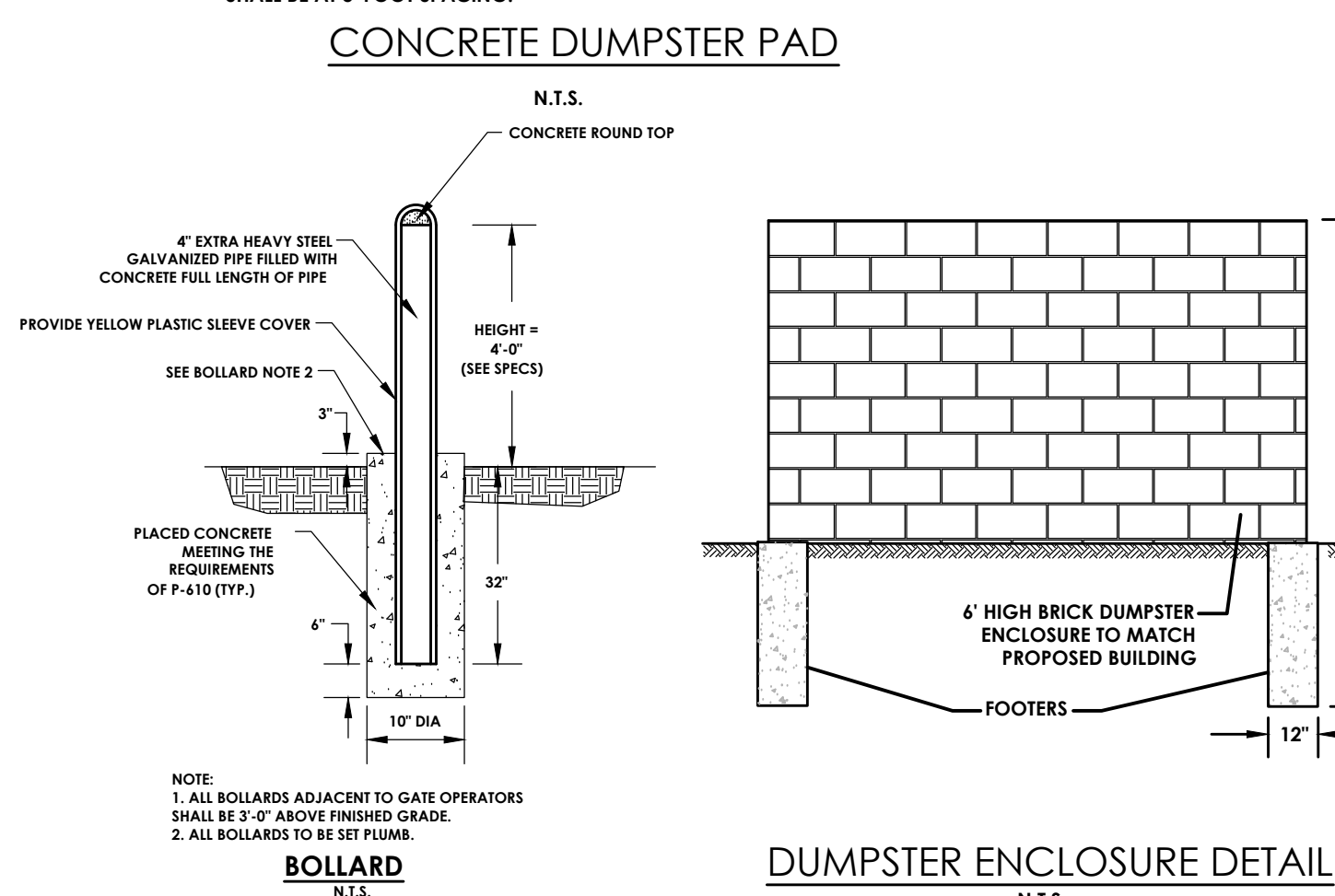
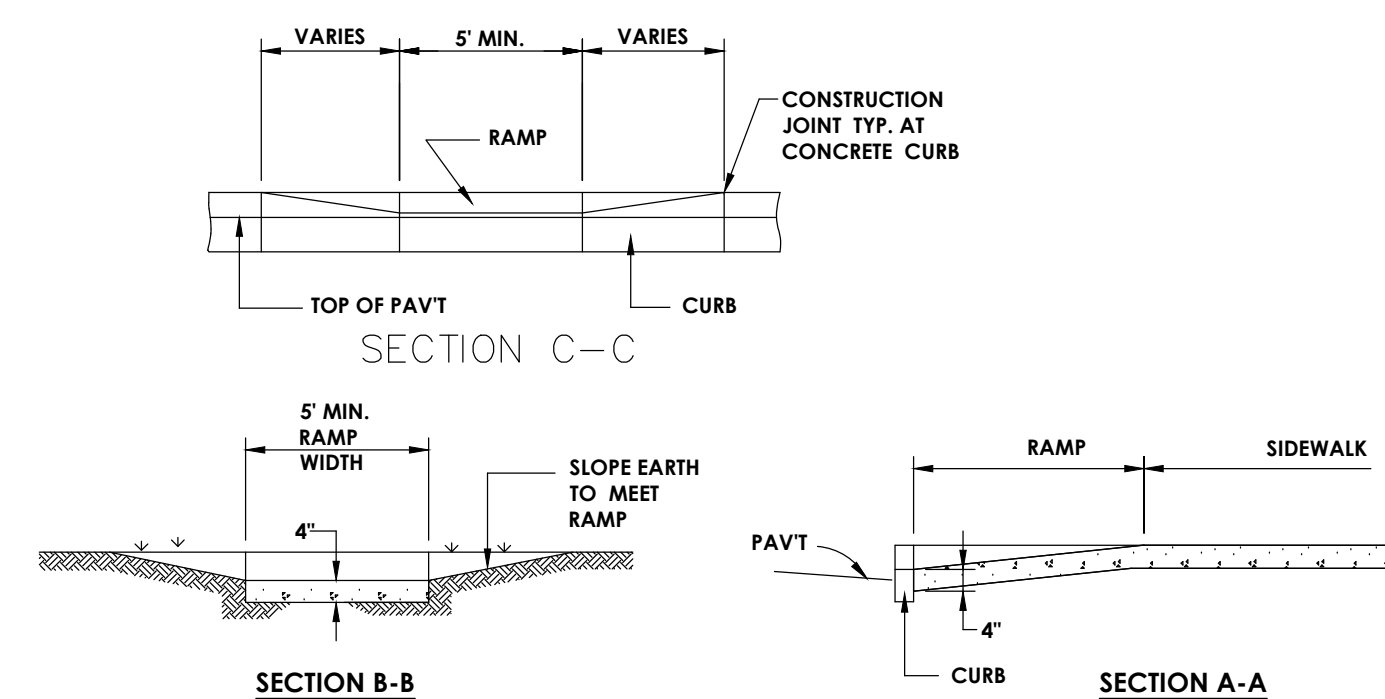
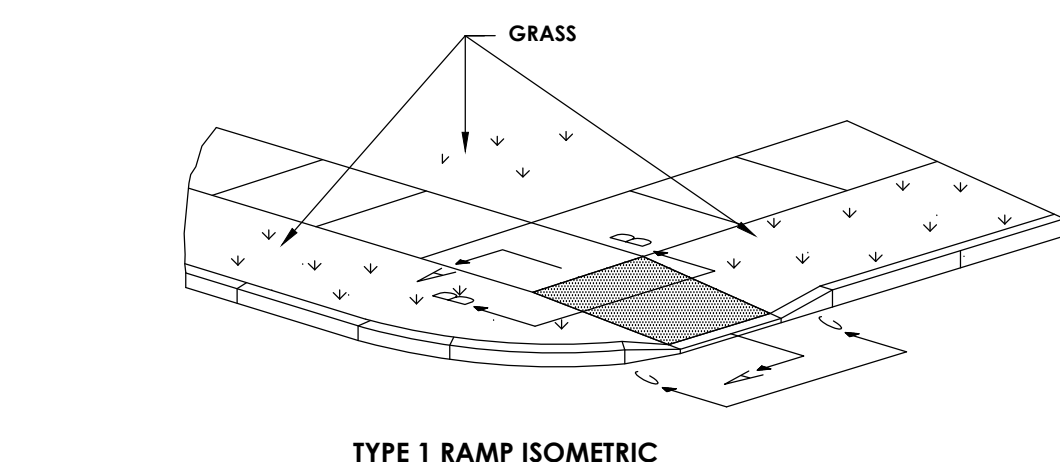
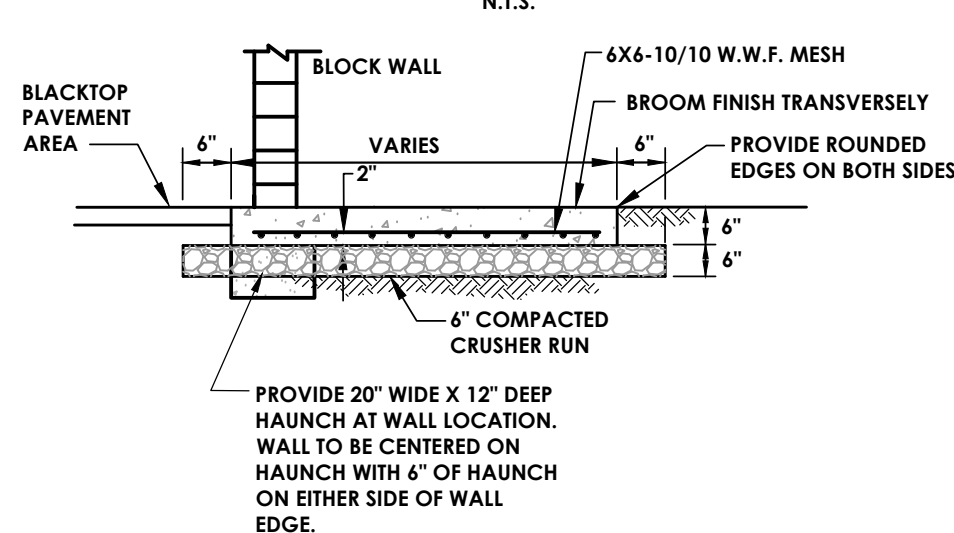
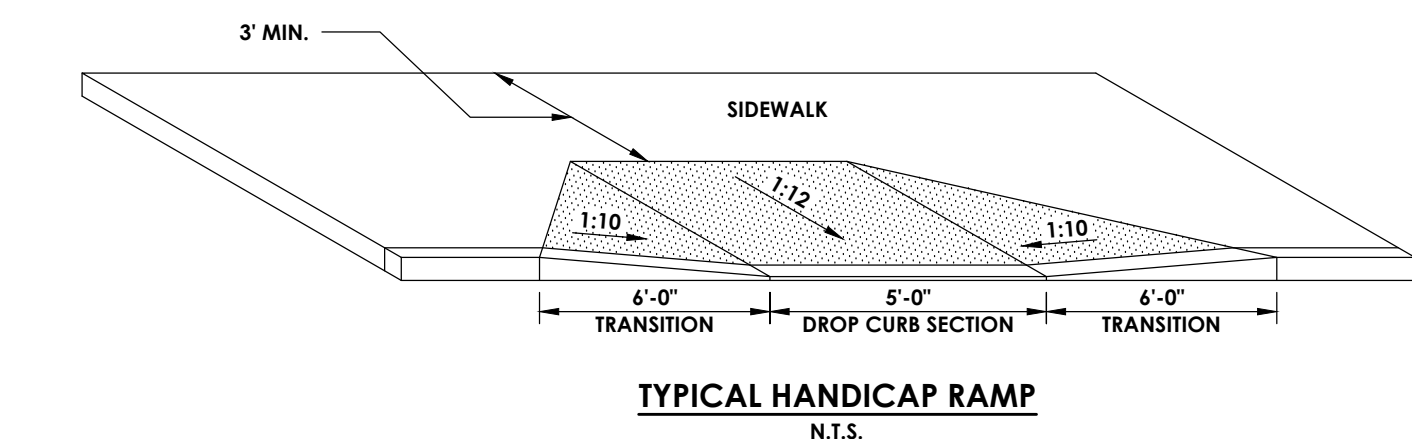
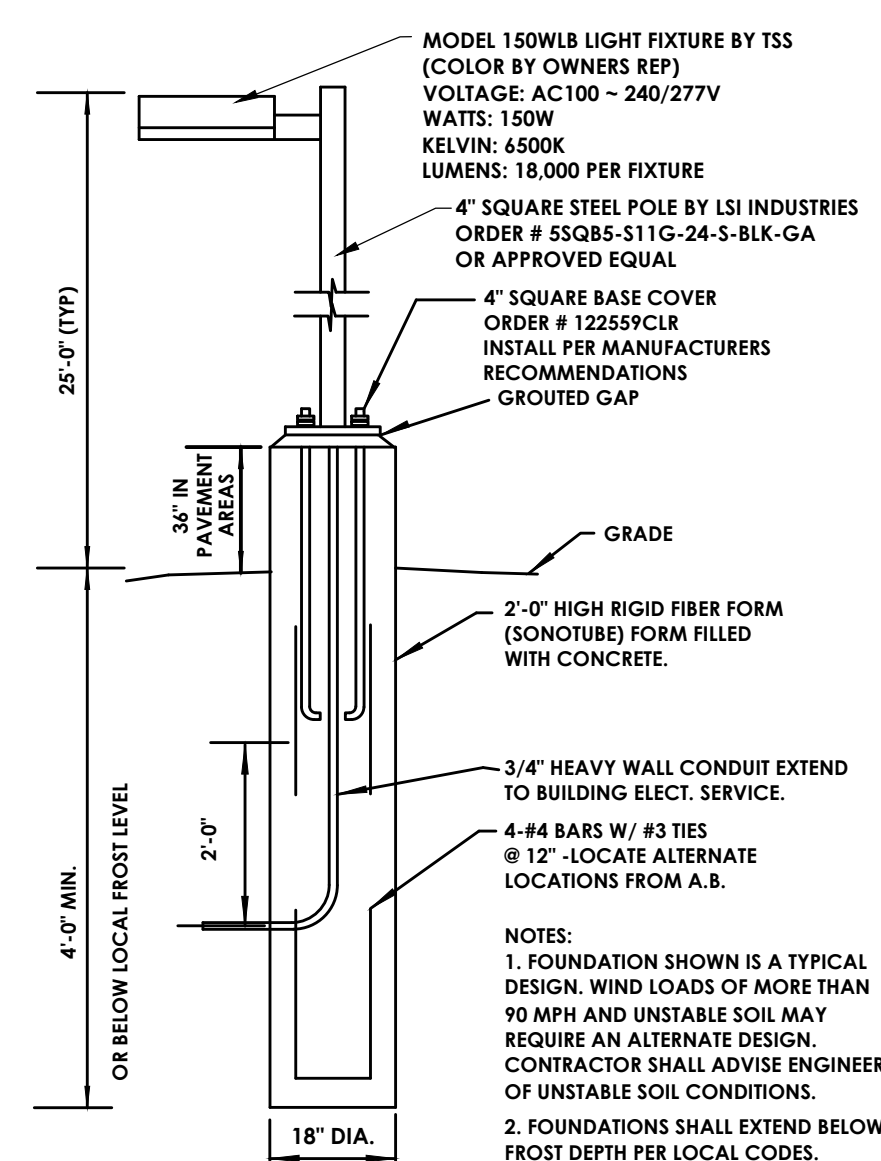
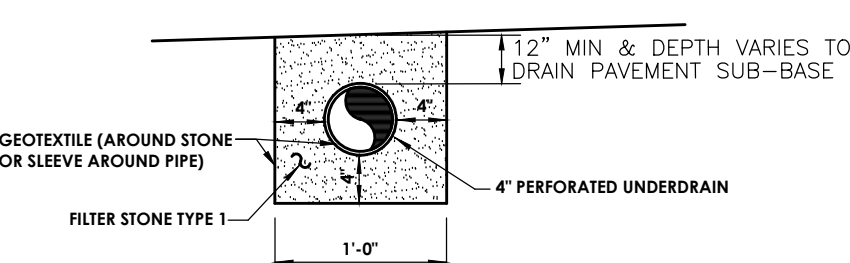
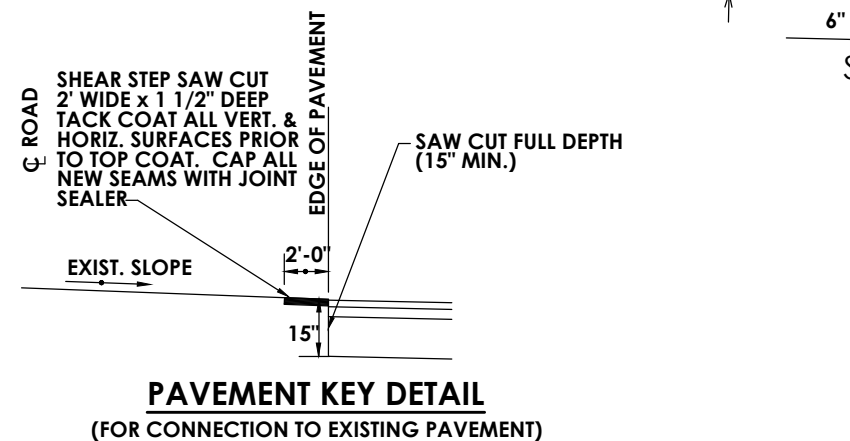
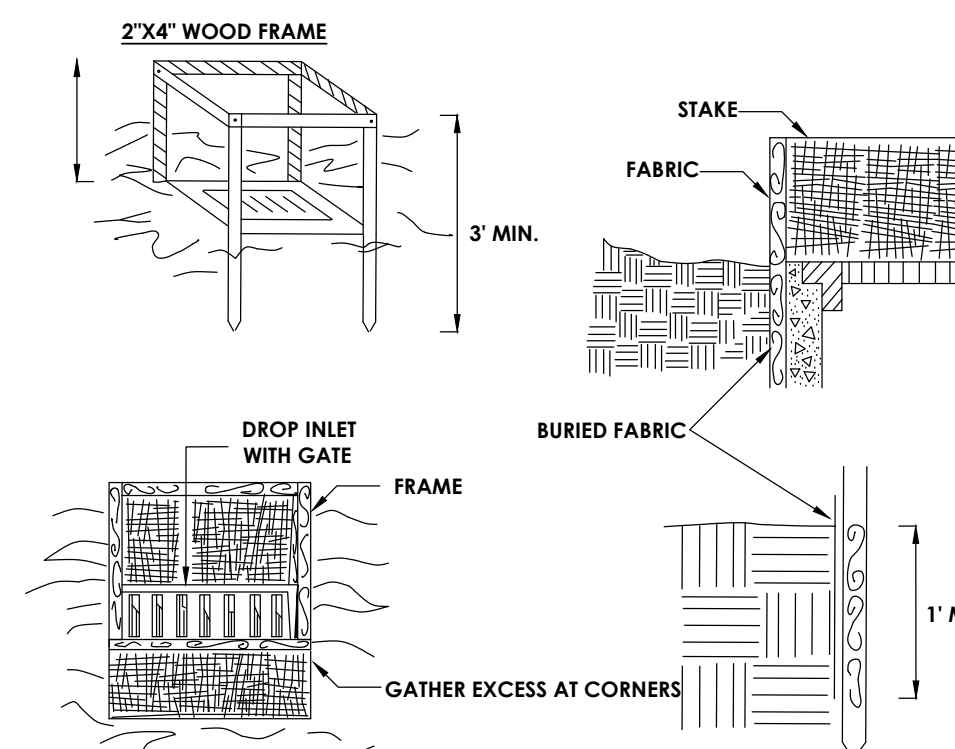
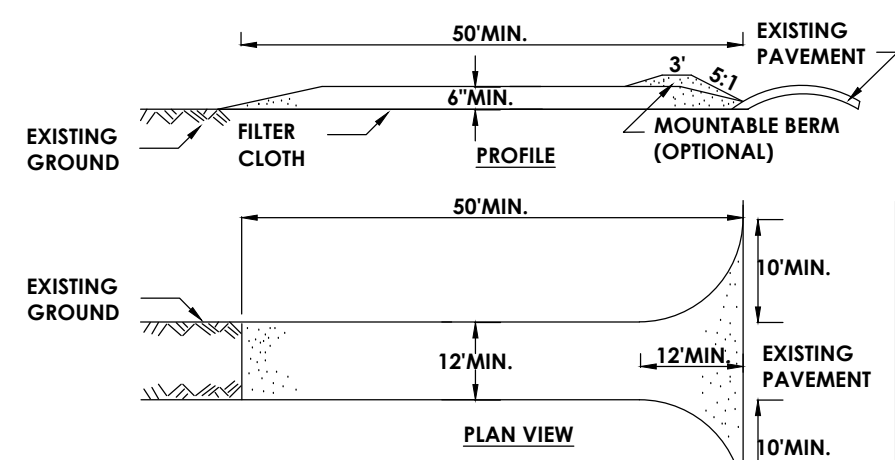
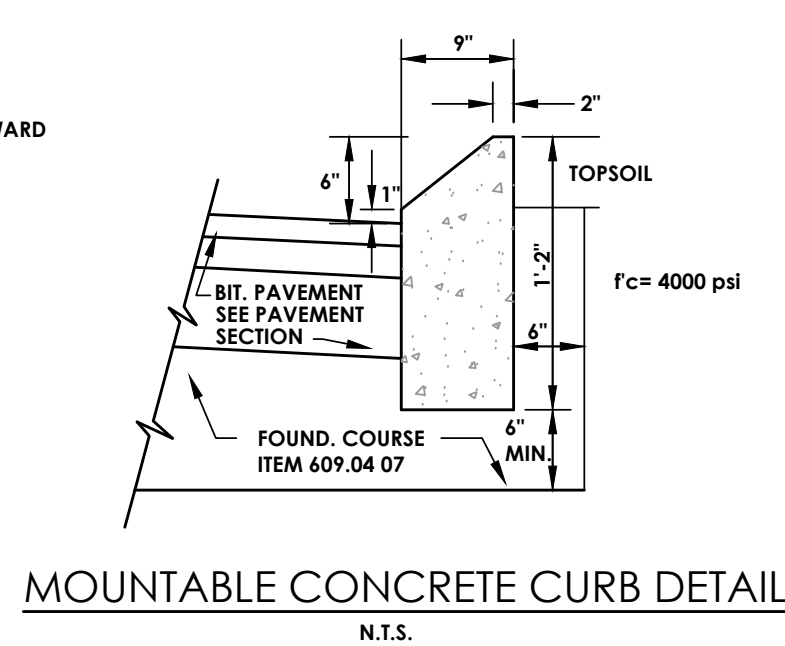
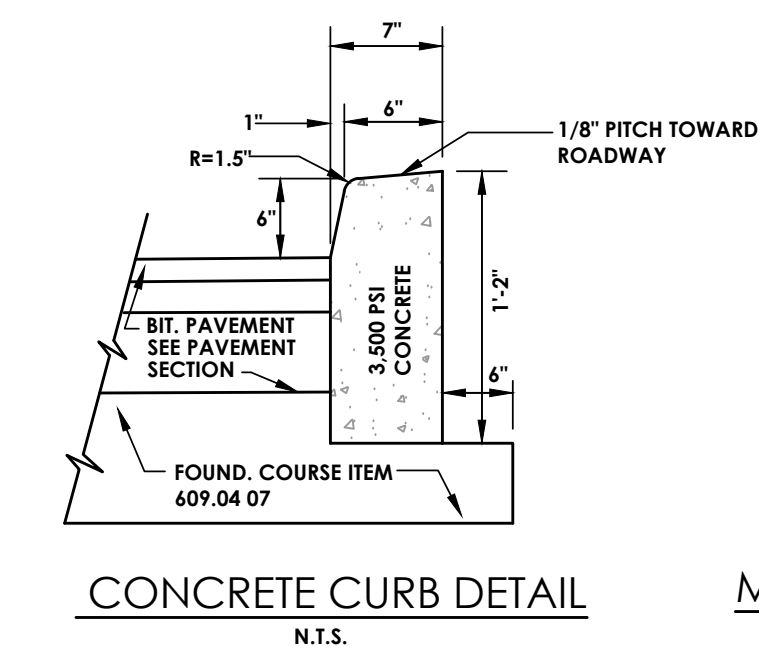
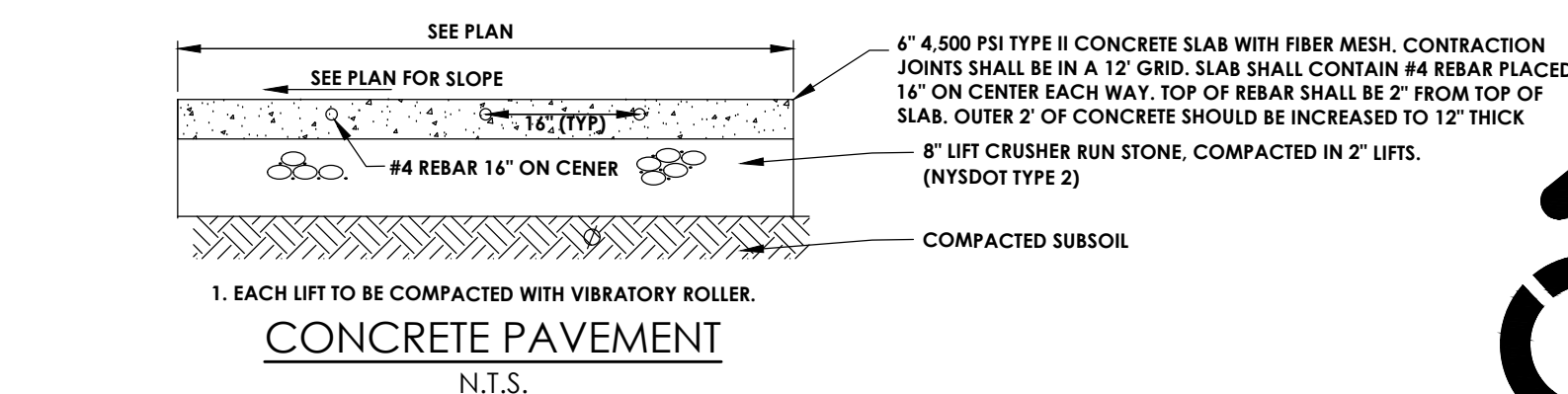
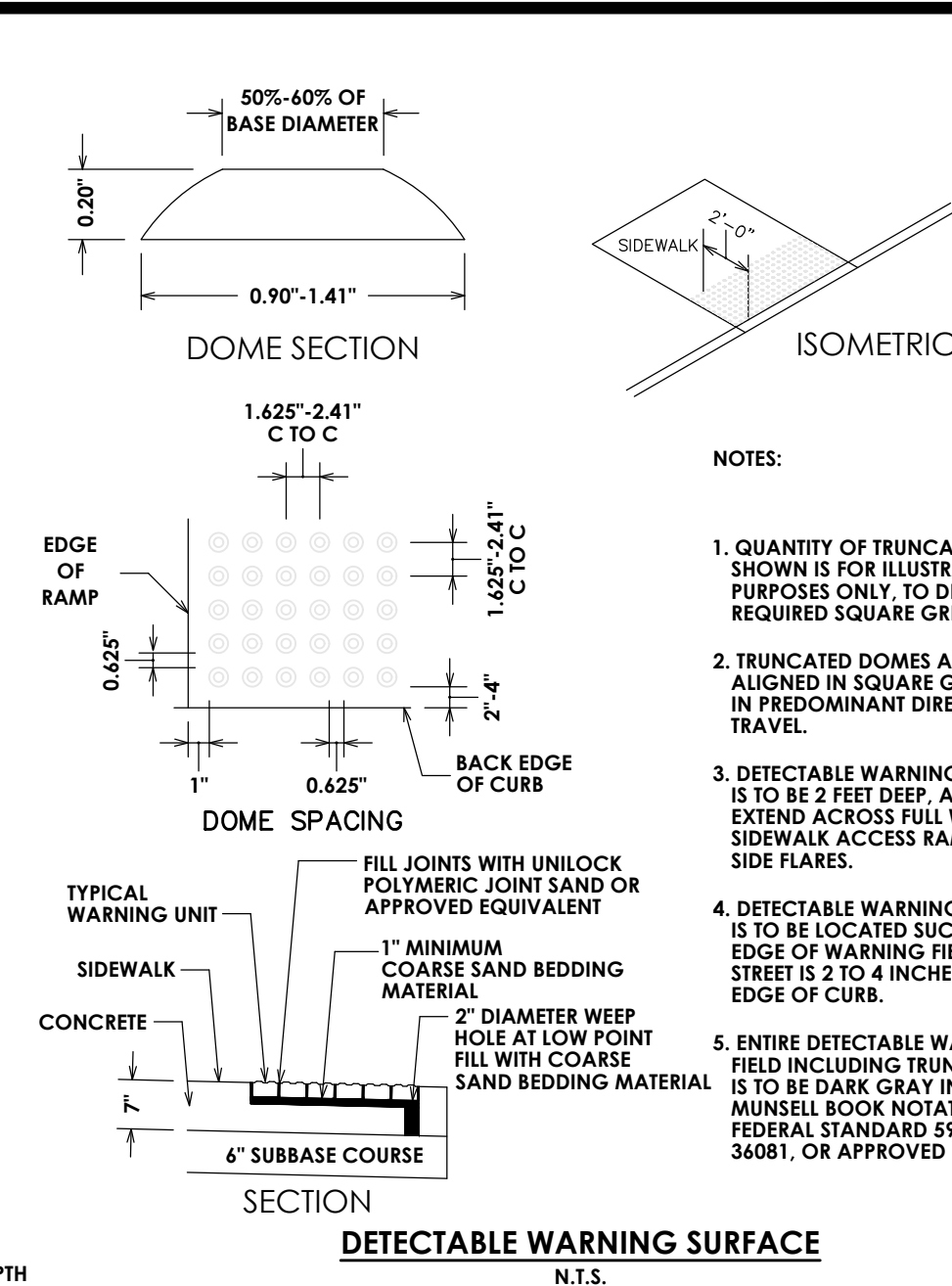
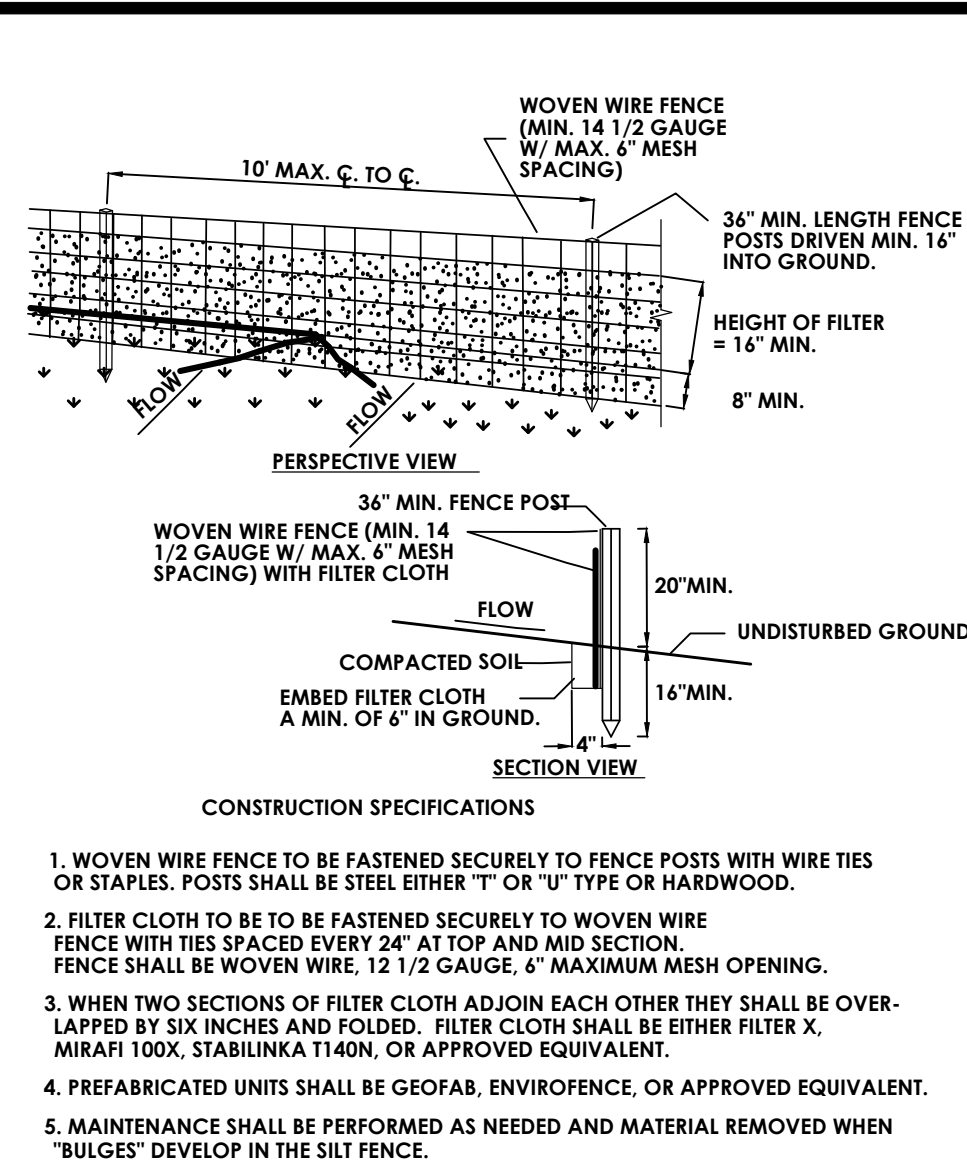
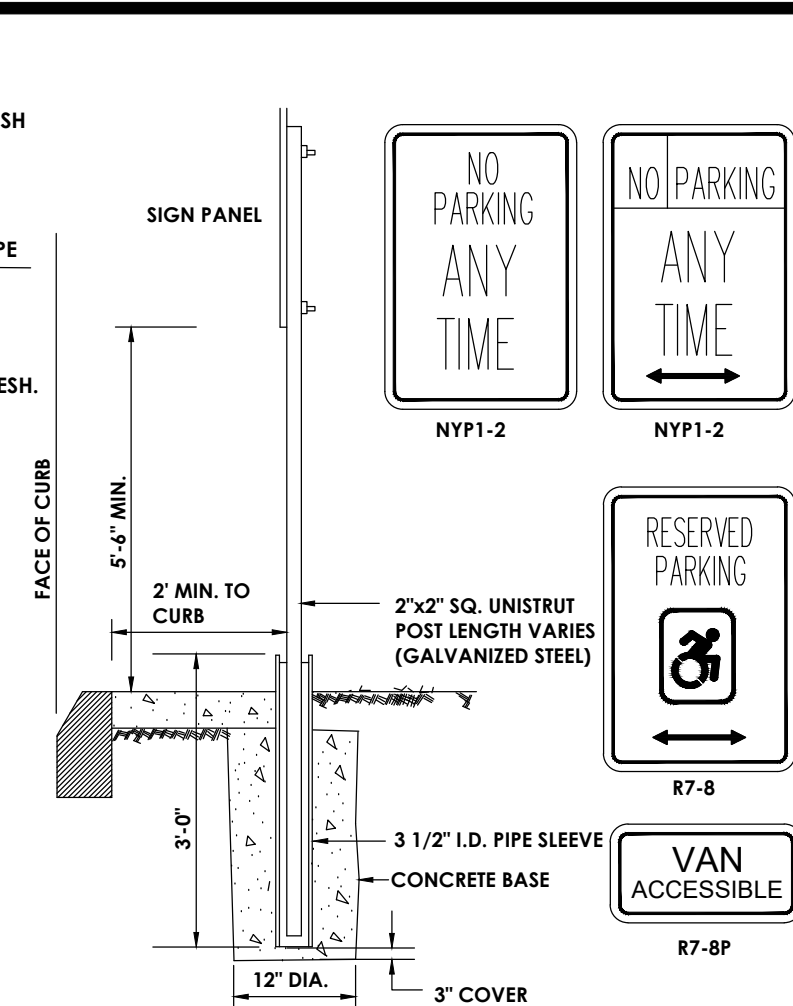
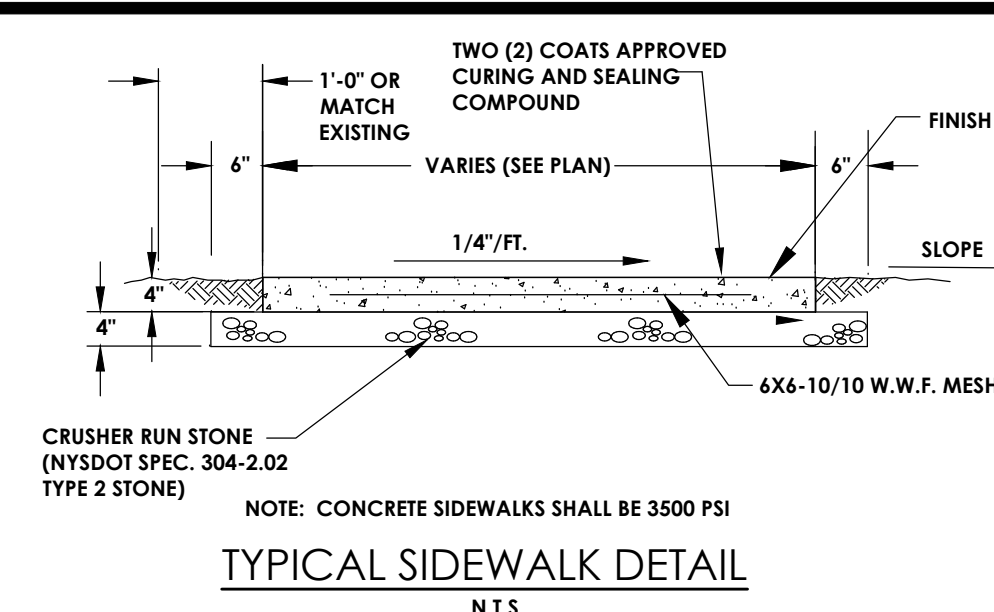
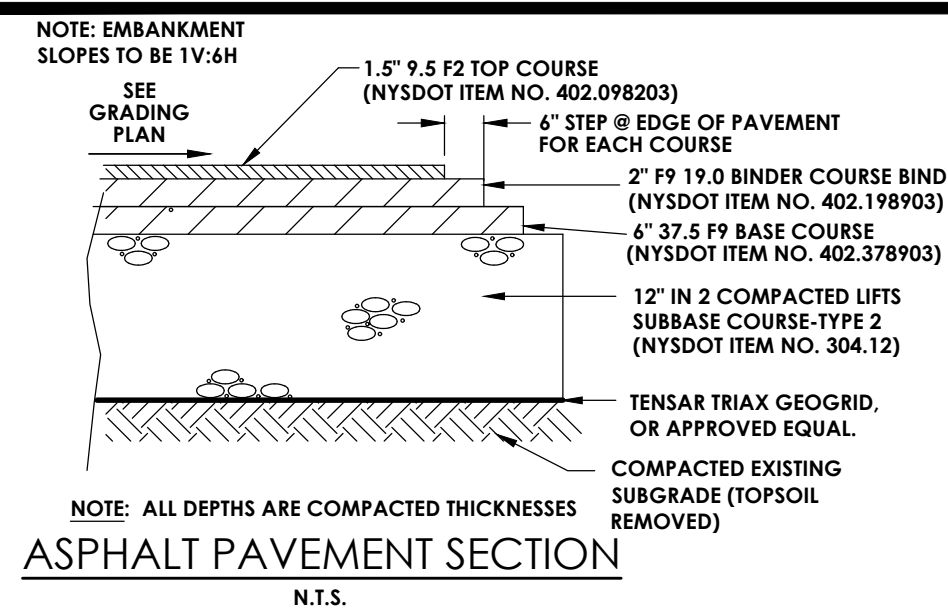
Drawing No.: **C201**  
Sheet No.: **7**

Scale: **N.T.S.**

Date: **MARCH 2019**

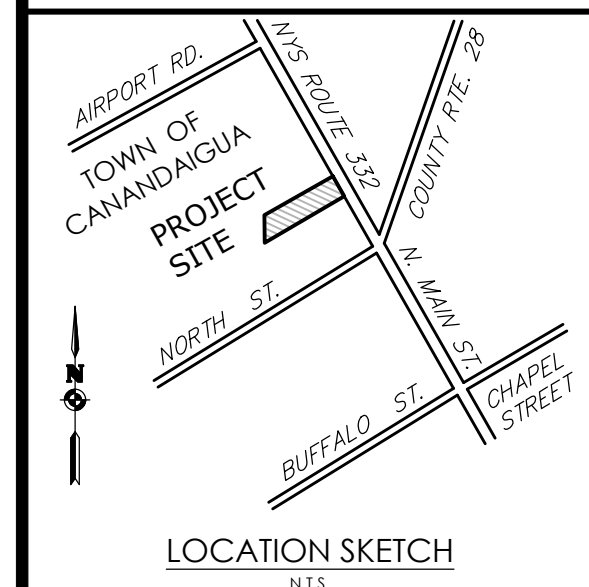
**NOT FOR CONSTRUCTION**





SNOW AND ICE MELT ZONE SCHEDULE - 40% PROPYLENE GLYCOL														
TAG	SERVICE	PRIMARY SPACING (in)	PRIMARY AREA (sq ft)	HEATING HEAT (Btu/hr sq ft)	REQUIRED (Btu/hr sq ft)	SUPPLY (deg F)	DELTA T (deg F)	MANIFOLD GPM	HEAD (ft)	TUBING TYPE	TUBE (ft)	NO. OF CIRCUITS	DESIGN EQUIPMENT	
ZONE 1	ENTRANCE	8	350	50	57500	120	70	5.5	3.5	4" MEX	300	2	REHAU	
ZONE 1	EXIT	8	350	50	57500	120	70	5.5	3.5	4" MEX	300	2	REHAU	

NOTES:  
1. CONTRACTOR TO FURNISH SHOP  
DRAWINGS FOR APPROVAL



Client:  
ROYAL WASH CANANDAIGUA, LLC  
2851 MONROE AVE  
ROCHESTER, NY 14618

# PASSERO ASSOCIATES

242 West Main Street Suite 100  
Rochester, New York 14614

(585) 325-1000  
Fax: (585) 325-1691

Principal-in-Charge  
Project Manager  
Designed by

Jess D. Sudol, P.E.  
David L. Cox, P.E.  
Jon Daniels



Revisions			
No.	Date	By	Description

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## DETAILS

ROYAL CAR WASH

Town/City: Canandaigua  
County: Ontario State: New York

Project No. 20182698.00001

Drawing No.	Sheet No.
C202	8

Scale: N.T.S.

Date MARCH 2019

NOT FOR CONSTRUCTION



CONDITION	SCHEMATIC	REQUIREMENTS
I WATER LINE ABOVE SEWER LINE		<p>A. WATER LINE AND SEWER LINE PIPE LENGTHS TO BE CENTERED AT CROSSING. EACH LENGTH OF PIPE TO BE 10 FT. MINIMUM.</p> <p>B. BACKFILL WITH COMPACTED CRUSHER RUN STONE.</p>
II WATER LINE ABOVE SEWER LINE		<p>A. WATER LINE AND SEWER LINE PIPE LENGTHS TO BE CENTERED AT CROSSING. EACH LENGTH OF PIPE TO BE 10 FT. MINIMUM.</p> <p>B. WHEN BOTH WATER LINE AND SEWER LINE ARE NEW, SLEEVE SEWER LINE WITH STEEL CASING FOR 10 FEET EACH SIDE OF CROSSING.</p> <p>C. WHEN ONE LINE IS EXISTING, SLEEVE PIPE BEING INSTALLED WITH STEEL CASING FOR 10 FEET EACH SIDE OF CROSSING</p> <p>D. BACKFILL WITH COMPACTED CRUSHER RUN STONE.</p>
III SEWER LINE ABOVE WATER LINE		<p>A. WATER LINE AND SEWER LINE PIPE LENGTHS TO BE CENTERED AT CROSSING. EACH LENGTH OF PIPE TO BE 10 FT. MINIMUM.</p> <p>B. SLEEVE SEWER LINE WITH STEEL CASING FOR 10 FEET EACH SIDE OF CROSSING.</p> <p>C. PROVIDE CRADLE OF CONCRETE OR CRUSHER RUN STONE (SEE TRENCH DETAIL BELOW FOR WATER LINE AND SEWER LINE FOR 10 FEET EACH SIDE OF CROSSING).</p>
<p><b>NOTES</b></p> <p>WL (WATER LINE)</p> <p>SL (SEWER LINE)</p> <p>D (OUTSIDE DIAMETER OF PIPE)</p> <p>IN NO CASE SHALL PIPES BE CLOSER THAN 18" APART. DISTANCES ARE MEASURED BETWEEN OUTSIDES OF PIPE.</p>		

**SECTION**

**BEND**

**PLAN**

**TYPICAL THRUST BLOCK - 90° BEND**

**N.T.S.**

**NOTES:**

1. ALL DIMENSIONS ARE IN FEET.
2. BEARING AREAS ARE BASED ON ALLOWABLE SOIL BEARING PRESSURE OF 3000 PSF.
3. HEIGHT OF THRUST BLOCK SHOULD BE EQUAL TO OR LESS THAN 1/2 THE DEPTH FROM THE GROUND SURFACE TO THE BASE OF THE BLOCK.
4. ALL THRUST BLOCKS SHALL CURE A MINIMUM OF SEVEN (7) DAYS BEFORE ANY PRESSURE TESTS ARE CONDUCTED.

PIPE SIZE (INCHES)	WORKING PRESSURE (PSIG)	TEE OF 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	1.67	0.75	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	1.75	1.00
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

**FINISHED GRADE**

**NOTES:**

1. COPPER SERVICES SHALL BE ENCASED ALL AROUND WITH SELECT EARTH ALL SERVICES SHALL BE A MINIMUM OF 3/4" TYPE K COPPER PLASTIC SERVICES SHALL BE ENCASED
2. ALL AROUND WITH SIX INCHES (6") OF SAND (NYSOT SPEC. 703-06)

**TRACING WIRE TO BE ATTACHED TO CORPORATION**

**CORPORATION**

**6"**

**30°**

**WATERMAIN**

**2 BOLT STAINLESS STEEL OR BRASS SADDLE FOR PVC MAIN TAP**

**TRACING WIRE - 10 GAUGE FOR PLASTIC PIPE ONLY IF ALLOWED PER WCM&SA**

**TRACING WIRE TO BE ATTACHED TO CURB STOP FOR POSITIVE CONTACT**

**R.O.W. OR EASEMENT LINE**

**CURB BOX WITH STAINLESS STEEL ROD**

**TEMPORARY MARKER PER IND. CODE 53 (TOP PAINTED BLUE)**

**5'-0" MIN. COVER**

**(4'-0" MIN IN GRASS AREAS FOR PRIVATE WATERMAIN IS ALLOWED BECAUSE OF FROST PENETRATION)**

**CURB STOP**

**2' X 4' X 16" CONCRETE BLOCK**

**TYPICAL WATER SERVICE**

**N.T.S.**

**GRADE**

**VALVE BOX**

**5'-0" MIN**

**(4'-0" MIN IN GRASS AREAS FOR PRIVATE WATERMAIN)**

**GATE VALVE**

**SOLID CONCRETE BLOCK (MIN:4"x8"x16")**

**1" CURB STOP**

**12" MIN**

**15" MIN**

**GRADE**

**1" COPPER (MIN)**

**CORPORATION STOP**

**WATER MAIN WITH TRACER TAPE**

**NOTE:**

1. VALVE BOX SHALL BE CENTERED ON VALVE AND SET ON COMPACTED BACKFILL.
2. VALVE SHALL NOT SUPPORT VALVE BOX.
3. ALL BODY AND BONNET BOLTS SHALL BE STAINLESS STEEL.
4. ALL VALVES SHALL BE OPEN LEFT

(I.E. SAMPLING TAPS, ETC.) AND REPLACE WITH THREADED BRASS PLUGS.

DISINFECTION/BLOW-OFF/SAMPLING TAP

NOT TO SCALE

		TEST PRESSURE (P.S.I.)						
		100	125	150	175	200		
		PIPE DIA. (INCHES)	ALLOWABLE LEAKAGE (G.P.H.)					
D.I.P. PER 1,000 L.F. OF LINE	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	
P.V.C. PER 1,000 L.F. OF LINE	6	0.41	0.45	0.50	0.53	0.57	0.61	
	8	0.54	0.60	0.66	0.71	0.76	0.81	
	10	0.68	0.75	0.83	0.90	0.96	1.02	
	12	0.81	0.89	0.99	1.07	1.15	1.22	

**NOTES:**

1. PRESSURE TESTS SHALL BE CONDUCTED SO THE PIPE SECTIONS ARE WITHIN 10 PSI OF THE TEST PRESSURE LOCATION.
2. PRESSURE TESTS SHALL BE CONDUCTED FOR A MINIMUM OF 2 HOURS.
3. LEAKAGE TESTS AT LINE PRESSURE SHALL BE CONDUCTED OVER A 24 HOUR PERIOD.

**TOWN OF FARMINGTON**  
1000 County Road #B  
Farmington, NY 14425  
(315) 982-8100

APPENDIX: <b>W - 14.0</b>
DATE: 2018
SCALE: N.T.S.
<b>MRB</b>   group

**TYPICAL WATER SERVICE DETAIL**  
N.T.S.

[illegible]

**NOTES:**

- ALL CLEANOUTS LOCATED IN PAVED AREAS ARE CONSIDERED UNSERVICEABLE AND SHOULD BE REMOVED WHENEVER POSSIBLE.

**SANITARY SEWER**

**LETTERING ON COVER**

1'-6"  
10" MIN.  
FINISHED GRADE  
W/FINISHED GRADE

PROVIDE #18 OR APPROVED EJECT FRAME & COVER WITH 12" SQUARE FLUSH W/FINISHED GRADE

SELECT DRAINAGE BACKFILL TO SUBBASE

**CLEANOUT IN ASPHALT**

FINISHED GRADE

PROVIDE PVC HUB ADAPTER & BRASS OR PLASTIC SURE-PLUG CLEANOUT PIPE - SIZE 4" ELASTOMERIC JOINTS, 1/2" MIN. DIA.

SUITABLE NATIVE MATERIAL BACKFILL

LIMIT OF #1 & #2 CRUSHED STONE GRADUATION

LONG SLEEP AS 2' BENDED (2-2 R' BENDS PERMISSIBLE WITH 2' LENGTH OF PIPE)

SEWER LATERAL FROM BUILDING

5" MIN. AT #2 CRUSHED STONE GRADUATION TO PRODUCT SPECIFICATION 703-02

SHL. 40 PVC - 4" x 1/2" (MFG.)  
W/FACTORY SOLVENT WELDED JTS  
ASSEMBLED BROOK KAMPTON

**SANITARY CLEANOUT DETAIL**

PROJECT:	SA_5795	DWG:	CLOSIO STD05
SHEET:	N.T.S.	REV:	09/2010

**ONTARIO COUNTY DEPARTMENT OF PUBLIC WORKS**

PIPE DIA.	DIM. A	DIM. B
UP TO 18"	1.0'	6"
21" TO 36"	1.5'	9"
OVER 36"	1.5'	12"

[illegible]

N.T.S.

GRATE TO BE NYSDOT  
RETICULATE TYPE 9. (24"x24")  
OR TYPE 6 OR EQUAL  
(36"x36")

ANCHOR BOLT

FINISH GRADE

3" 4"

24"x24" OR 36"x36" P.C.  
CONCRETE INLET BOX  
PRECAST

PROPOSED 4" PVC  
UNDERDRAIN IN  
PAVEMENT AREAS  
COATED WITH 2 COATS  
OF BITUMINOUS TAR

24"x24"  
OR 36"x36"

4 BARS 12" O.C.  
BOTH WAYS

FLOW

1/4"/FT

FLOW

FILL SUMP WITH CONCRETE

6" COMPACTED No. 2 STONE IF PRECAST  
BASE USED

UNDISTURBED EARTH

EM 605.10  
END TO 3"  
PIPE,  
THE TRENCH  
ROAD BASE  
TH RUN-  
NEL  
6" LIFTS

1. ALL CONCRETE TO BE 3500 psi CLASS A N.Y.S.D.O.T. ITEM 601.05
2. ALL CONCRETE IN CONTACT WITH ASPHALT PAVEMENT SHALL BE COVERED WITH A TACK COAT IN ACCORDANCE WITH N.Y.S.D.O.T. SECTION 407.

**STANDARD CATCH BASIN DETAIL**

N.T.S.

[illegible]

Existing SDR 35 PVC Main Sewer

New SDR 35 PVC Repair Coupling Fitting, No Pipe Stop Inside Fitting

SDR 35 PVC Casketed 45° Street El

SDR 35 + SDR 21 PVC Casketed Adapter Fitting

SDR 21 PVC Casketed Lateral Pipe

New SDR 35 PVC Slub (Type)

SDR 35 PVC 8" x 6" Wye Fitting

Min. Vertical

PLAN

Note: Field Cuts Shall Not Be Made Within 24" of Existing Joint (Block of Ball of Slopout Insertion Line).

Slope Pipe To Drain At 1/4" per Ft. Minimum For 4" per Ft. Minimum, 1/8" per Ft. Minimum For 6" Diameter

SDR 35 PVC Wye Fitting

SDR 21 PVC Casketed Lateral Pipe

SDR 35 + SDR 21 PVC Casketed Adapter Fitting

SDR 35 PVC Casketed 45° Street El

SECTION A-A

**TOP VIEW**

**WATER-TIGHT JOINT DETAIL**  
SCALE: N/A

**2500 GAL. OIL SEPARATOR - TRAFFIC**

**CONNECTIONS:**  
 8" PVC - 8" x 12" GAS VENT  
 6" PVC - 6" x 12" GAS VENT  
 4" PVC - 4" x 12" GAS VENT  
 2" PVC - 2" x 12" GAS VENT

**DESIGN LOADING:**  
 LIVE LOAD:  
 EARTH FILL:  
 WATER TABLE:  
 HOD:  
 0 TO 6"  
 3 BELOW GRADE.

**WEIGHT:**  
 TOP SECTION: 15,712 LBS.  
 BOTTOM SECTION: 22,000 LBS.  
 TOTAL: 38,712 LBS.

**PIPING:**  
 TEER, DROP LEGS & FITTINGS SUPPLIED  
 AND INSTALLED BY G.C.

**WATER-TIGHT ASSEMBLY IS THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR. ASK FOR INSTENT "WATER-TIGHT JOINT INSTALLATION" DETAIL.**

**PIPE OPENINGS STOCK:**

- ☐ PIPE SEALS REQUIRED
  - ☐ 4" PVC - OPENING WITH SEAL - STOCK
  - ☐ 6" PVC - OPENING WITH SEAL - TO BE INSTALLED
  - ☐ 8" PVC - OPENING STOCK - SEAL TO BE INSTALLED
- ☐ PIPE OPENINGS ONLY - REQUIRED
  - ☐ 4" PVC - OPENING WITH SEAL - STOCK
  - ☐ 6" PVC - STOCK KNOCKOUT TO BE BROKEN OUT BY CONTRACTOR
  - ☐ 8" PVC - STOCK KNOCKOUT TO BE BROKEN OUT BY CONTRACTOR

AIRPORT RD.  
TOWN OF CANNADAGUA  
PROJECT SITE  
NORTH ST.  
N. MAIN ST.  
COUNTY RTE. 28  
BUFFALO ST.  
CHAPEL STREET

N  
↑

**LOCATION SKETCH**  
N.T.S.

Client:  
ROYAL WASH CANANDAIGUA, LLC  
2851 MONROE AVE  
ROCHESTER, NY 14618

242 West Main Street Suite 100  
Rochester, New York 14614

(585) 325-1000  
Fax: (585) 325-1691

Principal-in-Charge  
Project Manager  
Designed by

Jess D. Sudol, P.E.  
David L. Cox, P.E.  
Jon Daniels

[illegible]

ROYAL CAR WASH

Town/City: Canandaigua  
County: Ontario State: New York

Project No. 20182698.0001

Drawing No.	Sheet No.
C203	9

Scale: N.T.S.

MARCH 2018

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