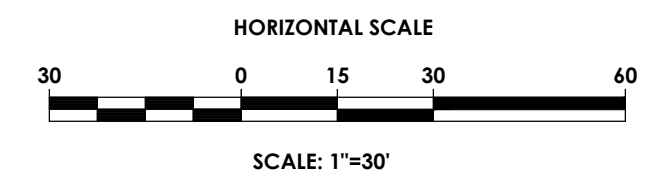


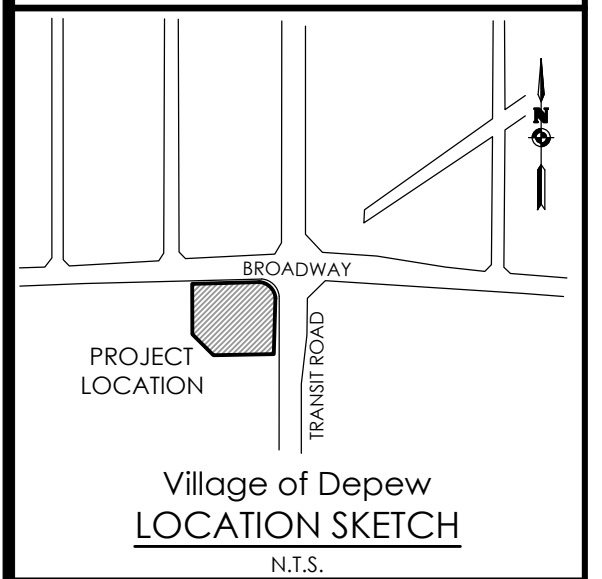
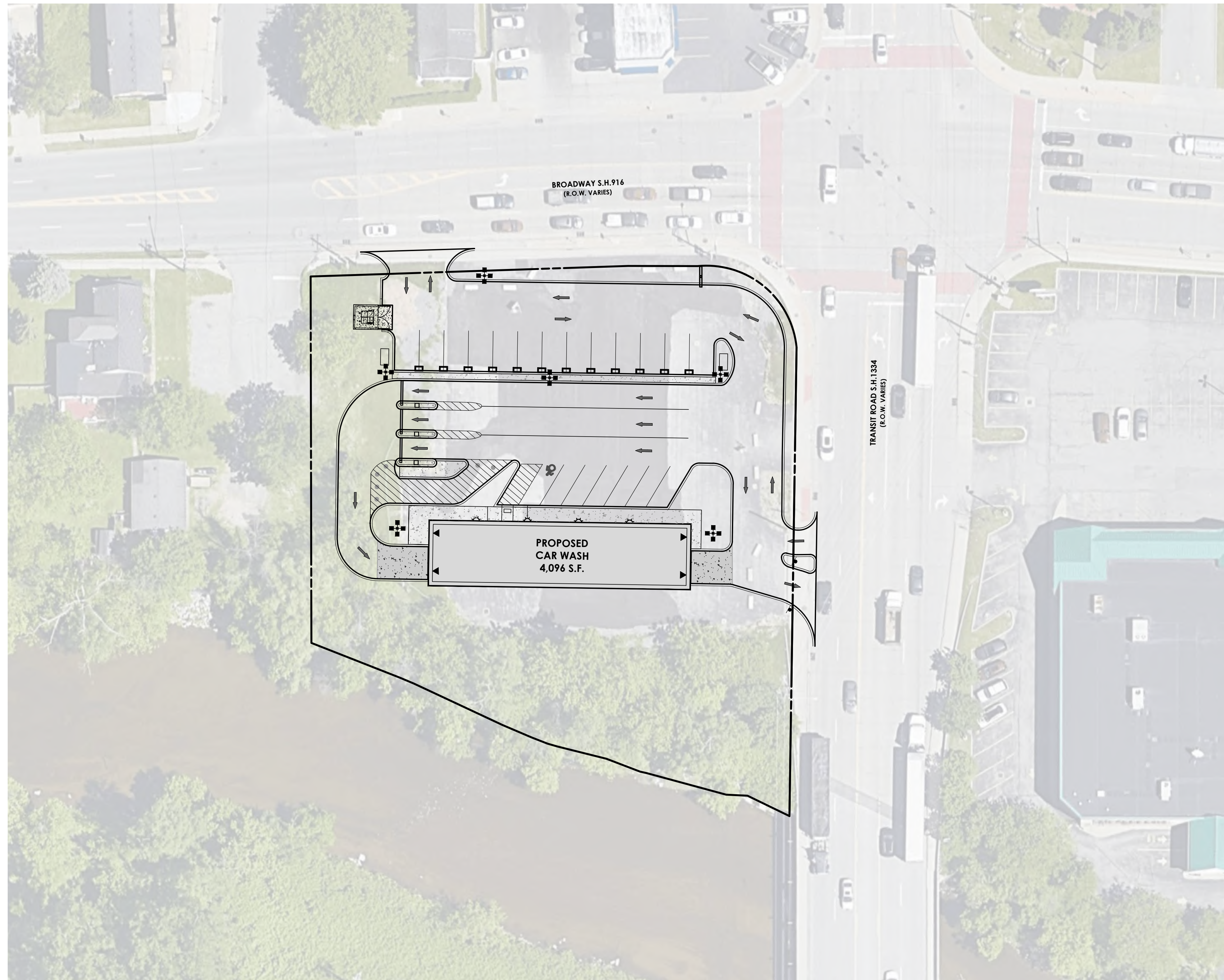
SITE DEVELOPMENT PLANS FOR ROYAL WASH DEVELOPMENT

TOWN OF DEPEW, ERIE COUNTY, NEW YORK

P.N. 20223306.0001



PA
PASSERO ASSOCIATES
engineering architecture



Client:
ROYAL WASH DEVELOPMENT, LLC
2851 MONROE AVENUE
ROCHESTER, NY 14618

PASSERO ASSOCIATES
242 West Main Street Suite 100
Rochester, New York 14614
Principal-in-Charge: Jess Sudol, PE
Project Manager: David Cox, PE
Designed by: Carole Harvey



Revisions			
No.	Date	By	Description
1			

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COVER SHEET
CAR WASH

Town/City: DEPEW
County: ERIE State: NEW YORK

Project No.
20223306.0001

Drawing No.	Sheet No.
C 101	1

Scale:
1" = 30'

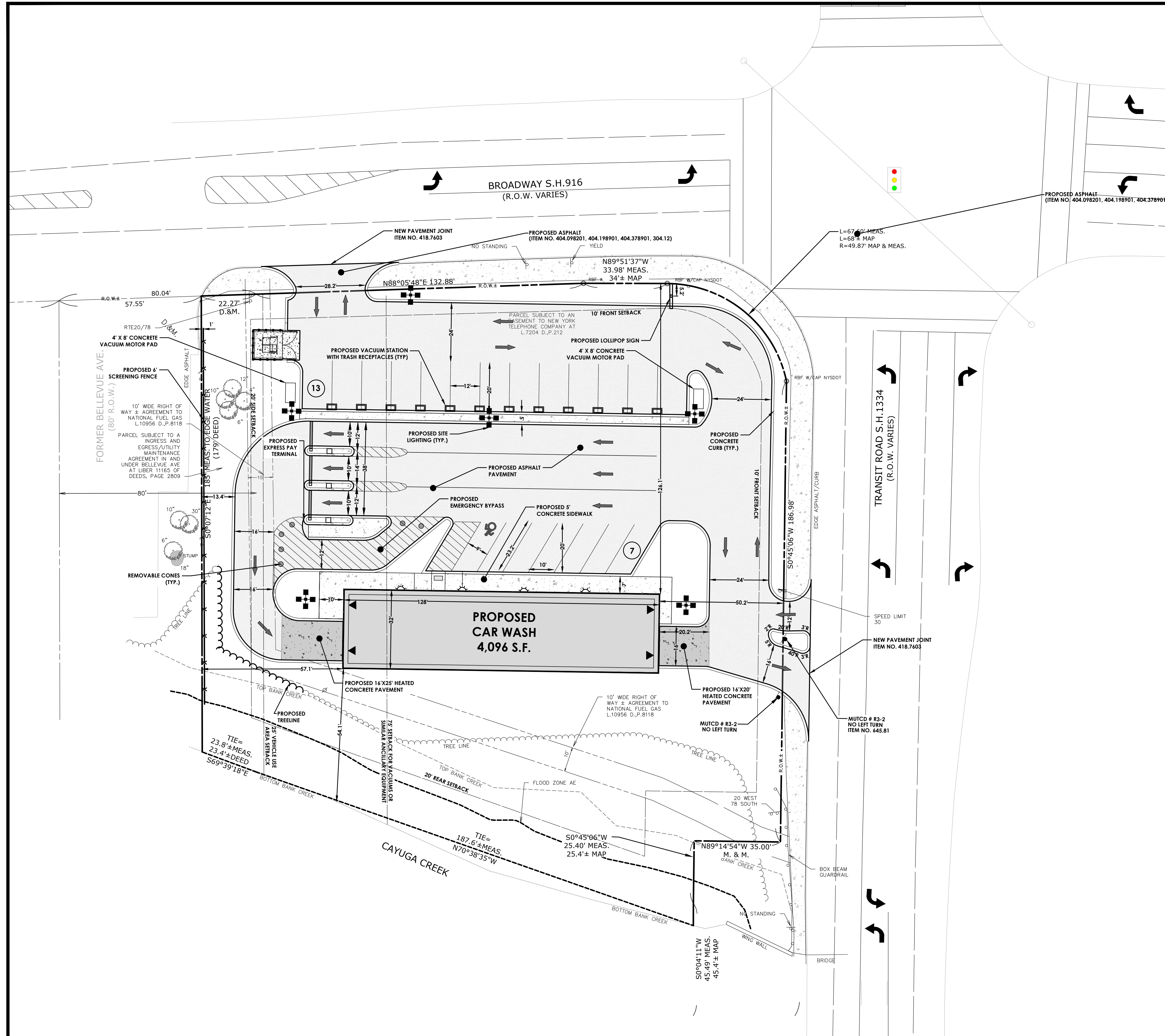
Date
JUNE 2022

DRAWING INDEX

- C 101 COVER
- C 102 SITE PLAN
- C 103 EXISTING CONDITIONS/DEMOLITION PLAN
- C 104 UTILITY PLAN
- C 105 GRADING & EROSION CONTROL PLAN
- C 106 LANDSCAPING & LIGHTING PLAN
- C 201-206 DETAILS

NOT FOR CONSTRUCTION

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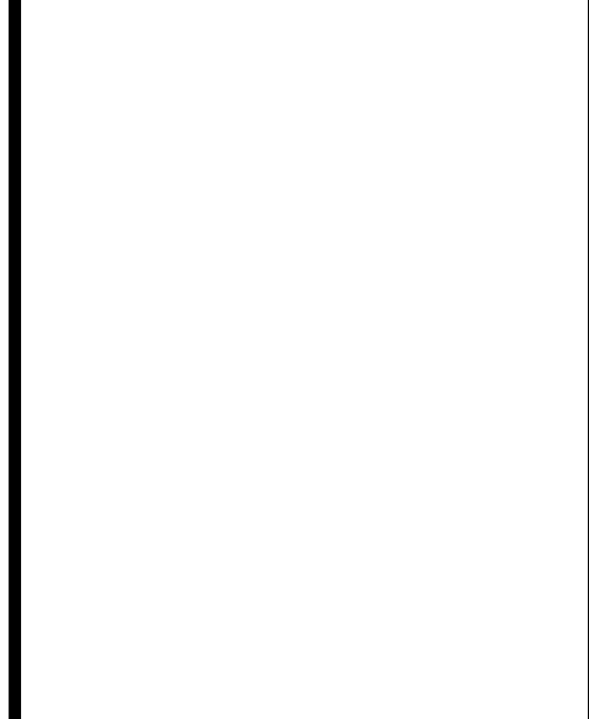
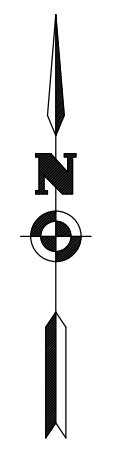
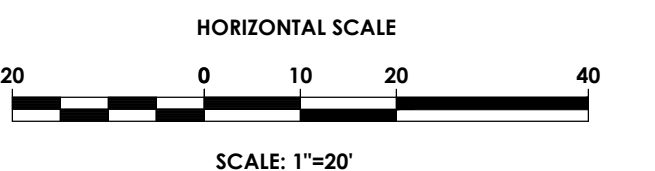


LEGEND - UTILITIES:

- R.O.W. BOUNDARY
- EXISTING CENTER LINE ROAD
- EXISTING BUILDING
- EXISTING FENCE
- EXISTING EASEMENT LINE
- PROPOSED EASEMENT LINE
- PROPOSED BUILDING
- PROPOSED CONCRETE
- PROPOSED SIGN
- PROPOSED LIGHT
- PROPOSED STORM SEWER, INLET
- 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
- EXIST. GAS MAIN
- EXIST. WATER MAIN
- EXIST. ELECTRIC LINE
- PROPOSED UNDERGROUND ELECTRIC
- PROPOSED ASPHALT PAVEMENT
- PROPOSED HEATED CONCRETE

SITE DATA

- TAX ACCOUNT NUMBER: 104.17.12.11
- PARCEL ADDRESS: BROADWAY AND TRANSIT ROAD
- TOTAL PARCEL AREA: 1.22 AC (53,349 SF)
- AREA OF DISTURBANCE: 0.93 AC (40,843 SF)
- EXISTING ZONING: C-2 SHOPPING CENTER DISTRICT
- PROPOSED ZONING: C-2 SHOPPING CENTER DISTRICT
- EXISTING USE: UNUSED, DEVELOPED
- PROPOSED USE: AUTOMATED CAR WASH
- AREA REQUIREMENTS:



REQUIRED	PROPOSED	
AREA	10,000 SF	53,349 SF
WIDTH	80'	215.3'
FRONT	10'	50.2'
SIDE	20'	57.1'
REAR	20'	54.1'
HEIGHT	30' MAX. / TWO STORIES	30.7' / ONE STORY
BUILDING COVERAGE	60% MAX.	7.1%
STALLS QTY.	1 PER EMPLOYEE + 1/200 SF	20
STALL SIZE - PERPENDICULAR	12' X 20'	12' X 20'
DRIVE AISLE WIDTH	13' ONE WAY, 24' TWO WAY	16' ONE WAY, 24' TWO WAY
HEIGHT	30' FROM FINISHED GRADE	30'
SETBACK	50' FROM RESIDENTIAL, 10' FROM STREET ROW	>50' FROM RESIDENTIAL, 50.2' FROM ROW

PROPOSED ZONING DISTRICT: C-2 SHOPPING CENTER DISTRICT

REQUIRED	PROPOSED	
AREA	10,000 SF	53,349 SF
WIDTH	80'	215.3'
FRONT	10'	50.2'
SIDE	20'	57.1'
REAR	20'	54.1'
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HEIGHT	30' FROM FINISHED GRADE	30'
SETBACK	50' FROM RESIDENTIAL, 10' FROM STREET ROW	>50' FROM RESIDENTIAL, 50.2' FROM ROW

*SPECIAL USE PERMIT REQUIRED

- STATE REGULATED WETLANDS (NYSDEC WETLAND INVENTORY): NO
- FEDERALLY REGULATED WETLANDS (USFWS NWI): NO
- FLOOD PLAIN (FEMA NFHL): AREA OF MINIMAL FLOOD HAZARD (ZONE X): YES
- PUBLIC WATER PROVIDED BY: MCWA
- ELECTRIC SERVICE PROVIDED BY: RG&E
- GAS SERVICE SUPPLIED BY: RG&E
- SANITARY SEWER PROVIDED BY: TOWN OF SWEDEN
- STORM SEWER & DRAINAGE FACILITIES WILL BE PRIVATE AND MAINTAINED BY THE OWNER
- ALL IMPROVEMENTS SHALL BE MADE IN ACCORDANCE WITH THE CURRENT DEVELOPMENT STANDARDS AND SPECIFICATIONS OF THE MUNICIPALITY

APPROVED BY _____ DATE _____
 COMMISSIONER OF PUBLIC WORKS/
 HIGHWAY SUPERINTENDENT

APPROVED BY _____ DATE _____
 MONROE COUNTY WATER AUTHORITY

APPROVED BY _____ DATE _____
 TOWN ENGINEER

Client:
 ROYAL WASH DEVELOPMENT, LLC
 2851 MONROE AVENUE
 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 Sudol, PE
 Project Manager: David Cox, PE
 Designed by: Carole Harvey



Revisions

No.	Date	By	Description
1			

SITE PLAN
CAR WASH

Town/City: DEPEW
 County: ERIE State: NEW YORK

Project No.: **20223306.0001**

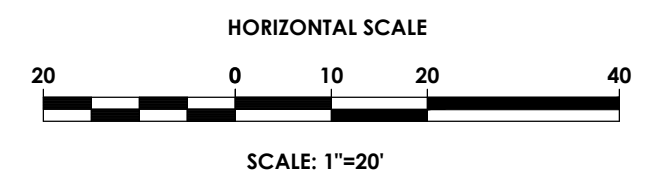
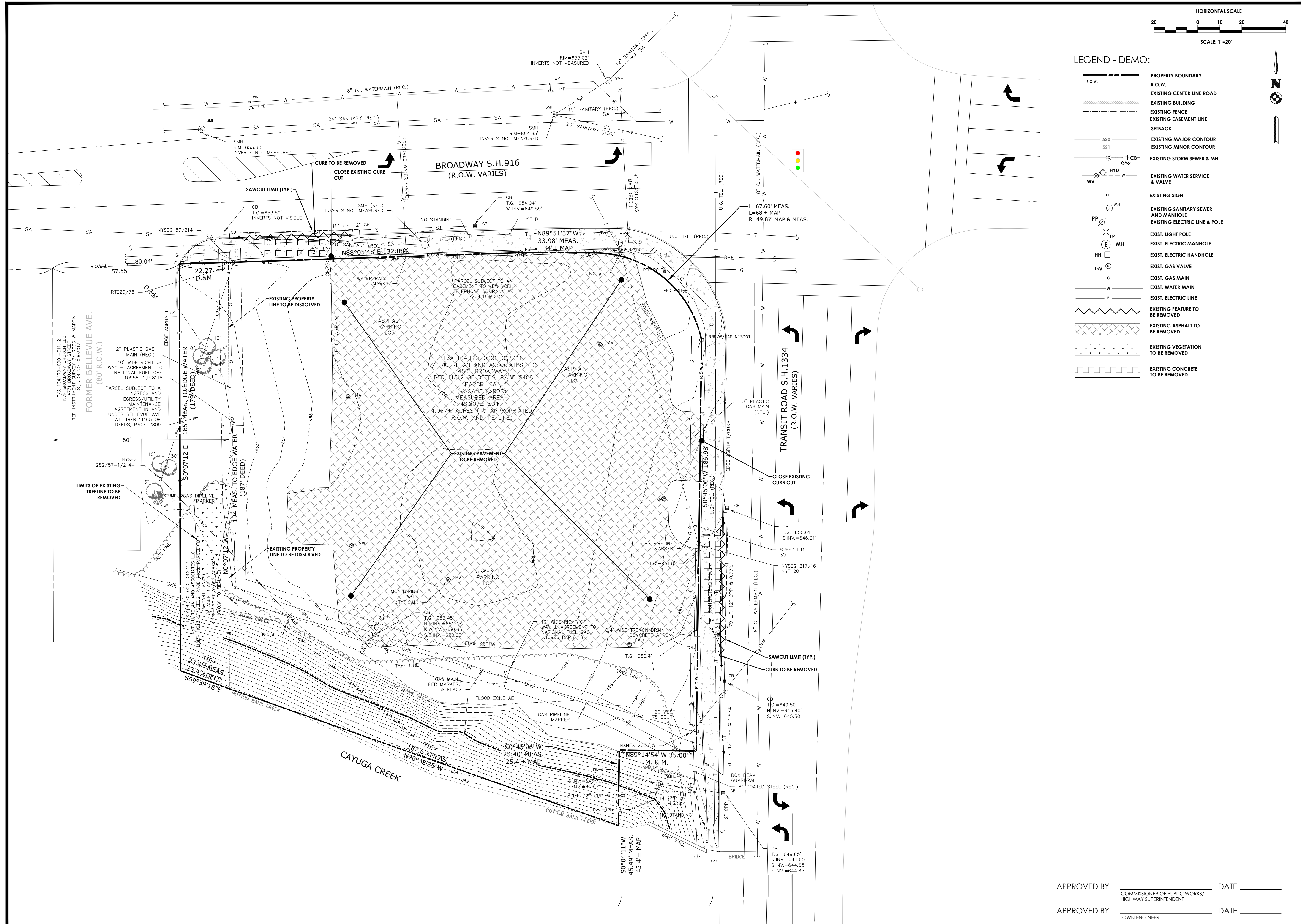
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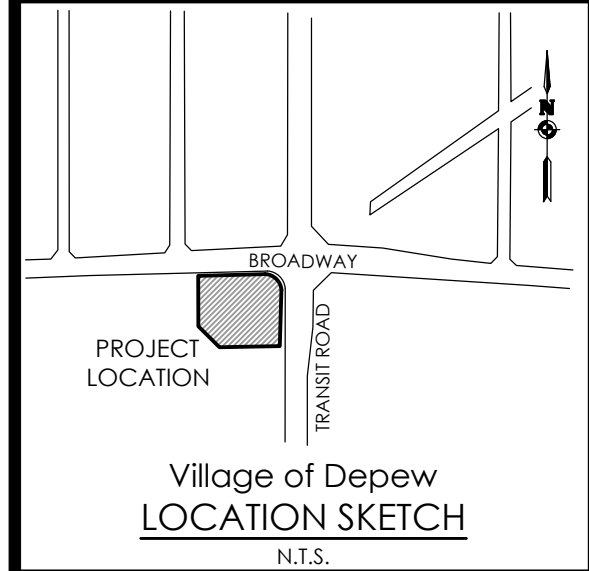
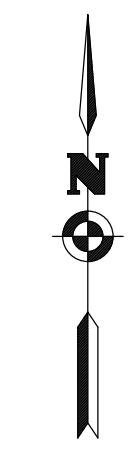
Date: **JUNE 2022**

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- LEGEND - DEMO:**
- PROPERTY BOUNDARY
 - R.O.W.
 - EXISTING CENTER LINE ROAD
 - EXISTING BUILDING
 - EXISTING FENCE
 - EXISTING EASEMENT LINE
 - SETBACK
 - EXISTING MAJOR CONTOUR
 - EXISTING MINOR CONTOUR
 - EXISTING STORM SEWER & MH
 - EXISTING WATER SERVICE & VALVE
 - EXISTING SIGN
 - EXISTING SANITARY SEWER AND MANHOLE
 - EXISTING ELECTRIC LINE & POLE
 - EXIST. LIGHT POLE
 - EXIST. ELECTRIC MANHOLE
 - EXIST. ELECTRIC HANDHOLE
 - EXIST. GAS VALVE
 - EXIST. GAS MAIN
 - EXIST. WATER MAIN
 - EXIST. ELECTRIC LINE
 - EXISTING FEATURE TO BE REMOVED
 - EXISTING ASPHALT TO BE REMOVED
 - EXISTING VEGETATION TO BE REMOVED
 - EXISTING CONCRETE TO BE REMOVED



Village of Depew
LOCATION SKETCH
N.T.S.

Client:
ROYAL WASH DEVELOPMENT, LLC
2851 MONROE AVENUE
ROCHESTER, NY 14618

PASSERO ASSOCIATES
242 West Main Street Suite 100
Rochester, New York 14614
Principal-in-Charge: Jess Sudol, PE
Project Manager: David Cox, PE
Designed by: Carole Harvey

Revisions			
No.	Date	By	Description
1			

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EXISTING CONDITIONS /DEMOLITION PLAN

CAR WASH

Town/City: DEPEW
County: ERIE State: NEW YORK

Project No.
20223306.0001

Drawing No. C 103	Sheet No. 3
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Scale:
1" = 20'

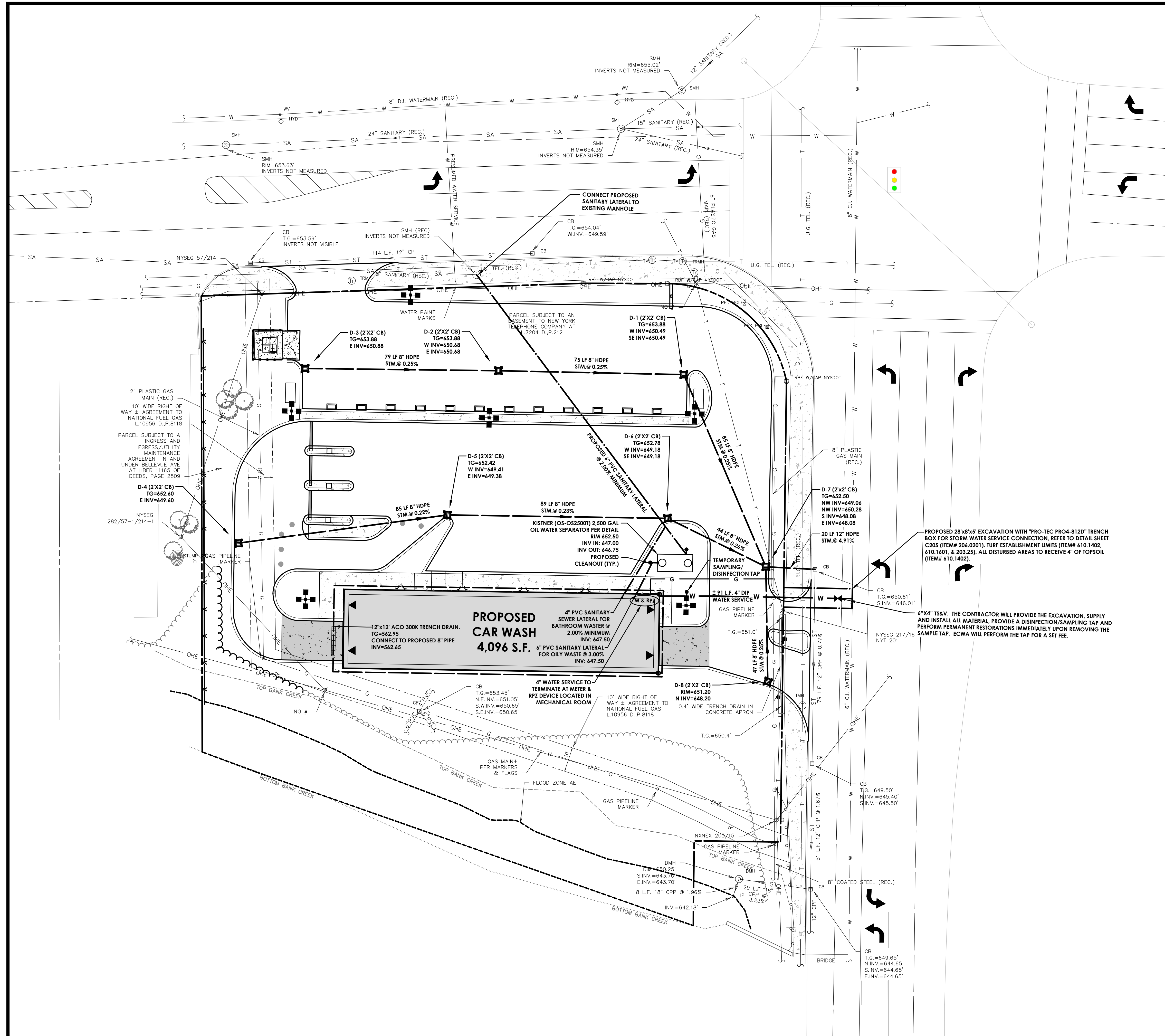
Date
JUNE 2022

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COMMISSIONER OF PUBLIC WORKS/
HIGHWAY SUPERINTENDENT

APPROVED BY _____ DATE _____
TOWN ENGINEER

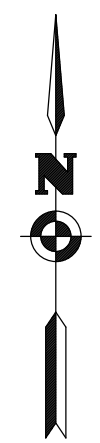
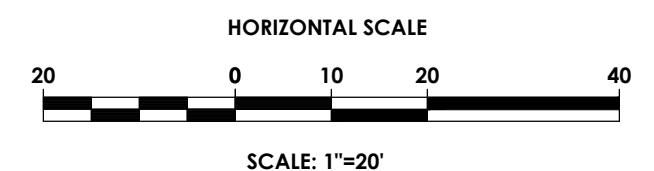
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LEGEND - UTILITIES:

- 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
- 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
- EXIST. LIGHT POLE
- EXIST. ELECTRIC MANHOLE
- EXIST. ELECTRIC HANDHOLE
- EXIST. GAS VALVE
- EXIST. GAS MAIN
- EXIST. WATER MAIN
- EXIST. ELECTRIC LINE
- PROPOSED UNDERGROUND ELECTRIC



PA
PASSERO ASSOCIATES
engineering architecture

Village of Depew
LOCATION SKETCH
N.T.S.

Client:
ROYAL WASH DEVELOPMENT, LLC
2851 MONROE AVENUE
ROCHESTER, NY 14618

PASSERO ASSOCIATES
242 West Main Street Suite 100
Rochester, New York 14614
Principal-in-Charge: Jess Sudol, PE
Project Manager: David Cox, PE
Designed by: Carole Harvey

STATE OF NEW YORK
JESS DANIEL BOWDEN
2023
REGISTERED PROFESSIONAL ENGINEER

Revisions

No.	Date	By	Description
1			

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UTILITY PLAN
CAR WASH

Town/City: DEPEW
County: ERIE State: NEW YORK

Project No.
20223306.0001

Drawing No. **C 104** Sheet No. **4**

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1" = 20'

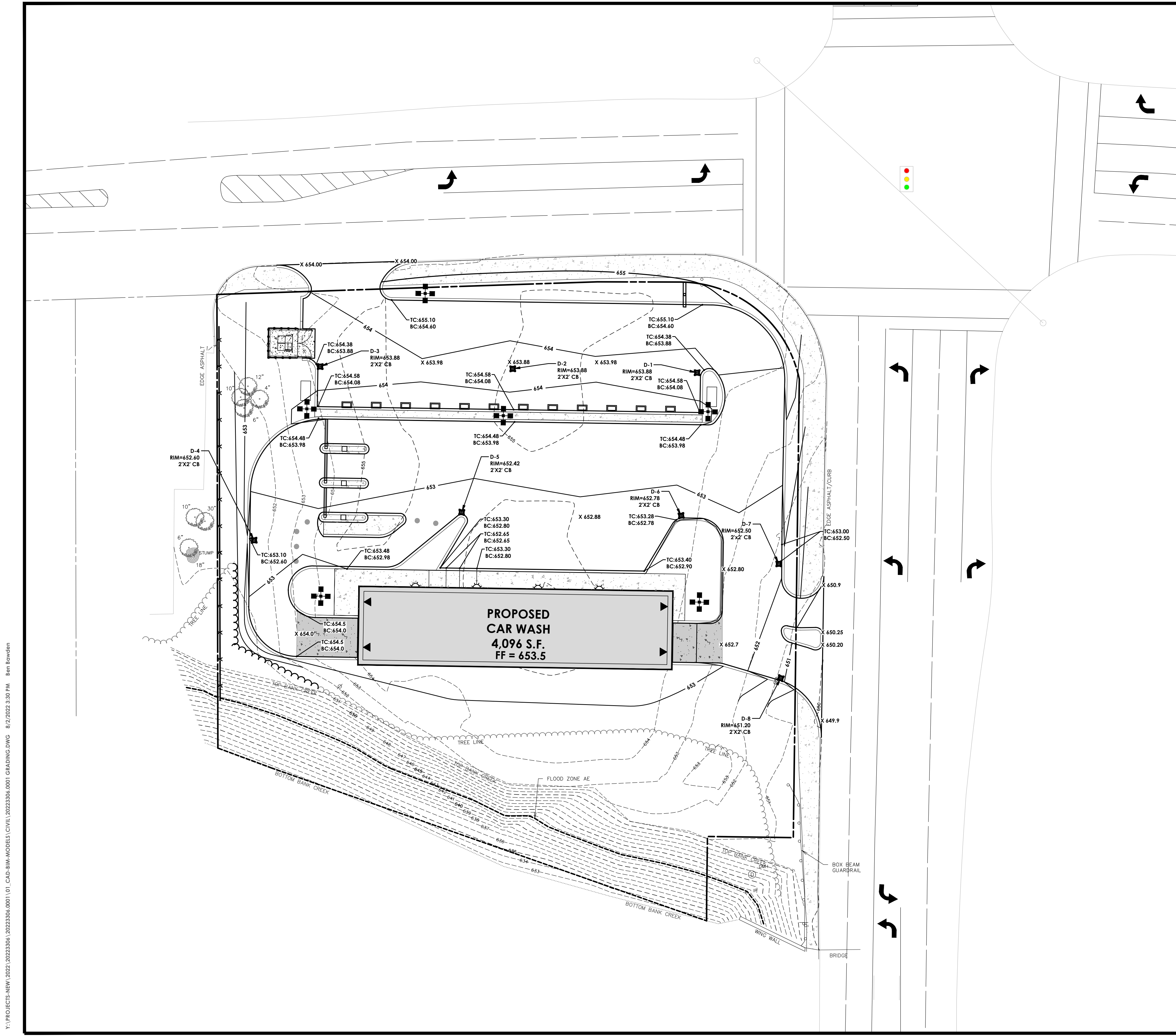
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JUNE 2022

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HIGHWAY SUPERINTENDENT

APPROVED BY _____ DATE _____
ERIE COUNTY WATER AUTHORITY

APPROVED BY _____ DATE _____
TOWN ENGINEER

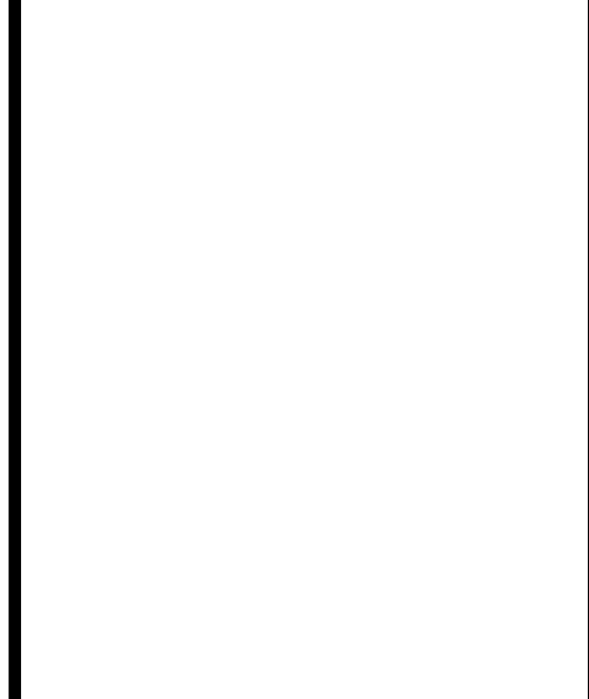
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HORIZONTAL SCALE
20 0 10 20 40
SCALE: 1"=20'

LEGEND - GRADING:

- 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
- TOP OF: CURB (C), WALL (W), STAIRS (S), RAMP (R)
- BOTTOM OF: CURB (C), WALL (W), STAIRS (S), RAMP (R)
- PROPOSED SPOT ELEVATION
- EXISTING SPOT ELEVATION



Client:
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Revisions

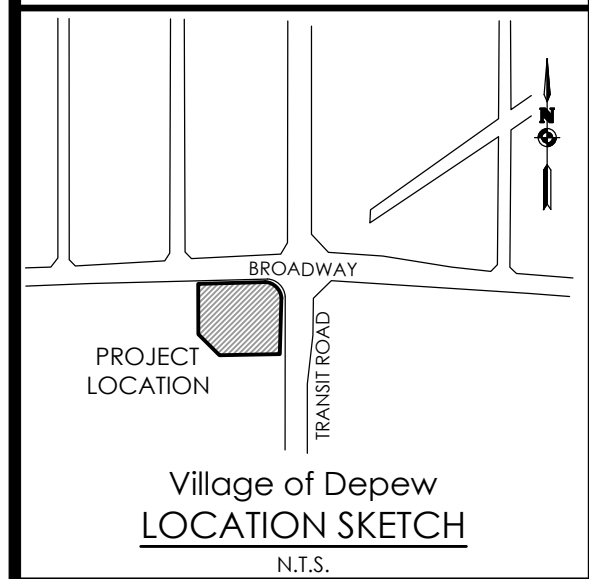
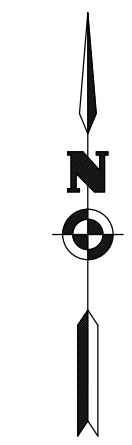
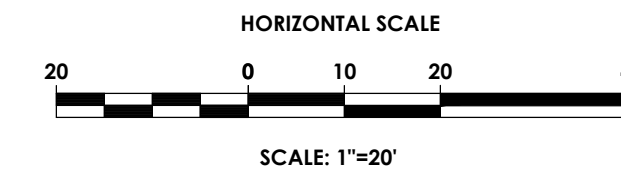
No.	Date	By	Description
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GRADING PLAN
CAR WASH
Town/City: DEPEW
County: ERIE State: NEW YORK
Project No.: 20223306.0001
Drawing No.: C 105 Sheet No.: 5
Scale: 1" = 20'
Date: JUNE 2022

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APPROVED BY _____ DATE _____
TOWN ENGINEER

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Client:
ROYAL WASH DEVELOPMENT, LLC
2851 MONROE AVENUE
ROCHESTER, NY 14618

PASSERO ASSOCIATES
242 West Main Street Suite 100
Rochester, New York 14614
Principal-in-Charge: Jess Sudol, PE
Project Manager: David Cox, PE
Designed by: Carole Harvey



Revisions

No.	Date	By	Description
1			

LANDSCAPING PLAN

CAR WASH

Town/City: DEPEW
County: ERIE State: NEW YORK

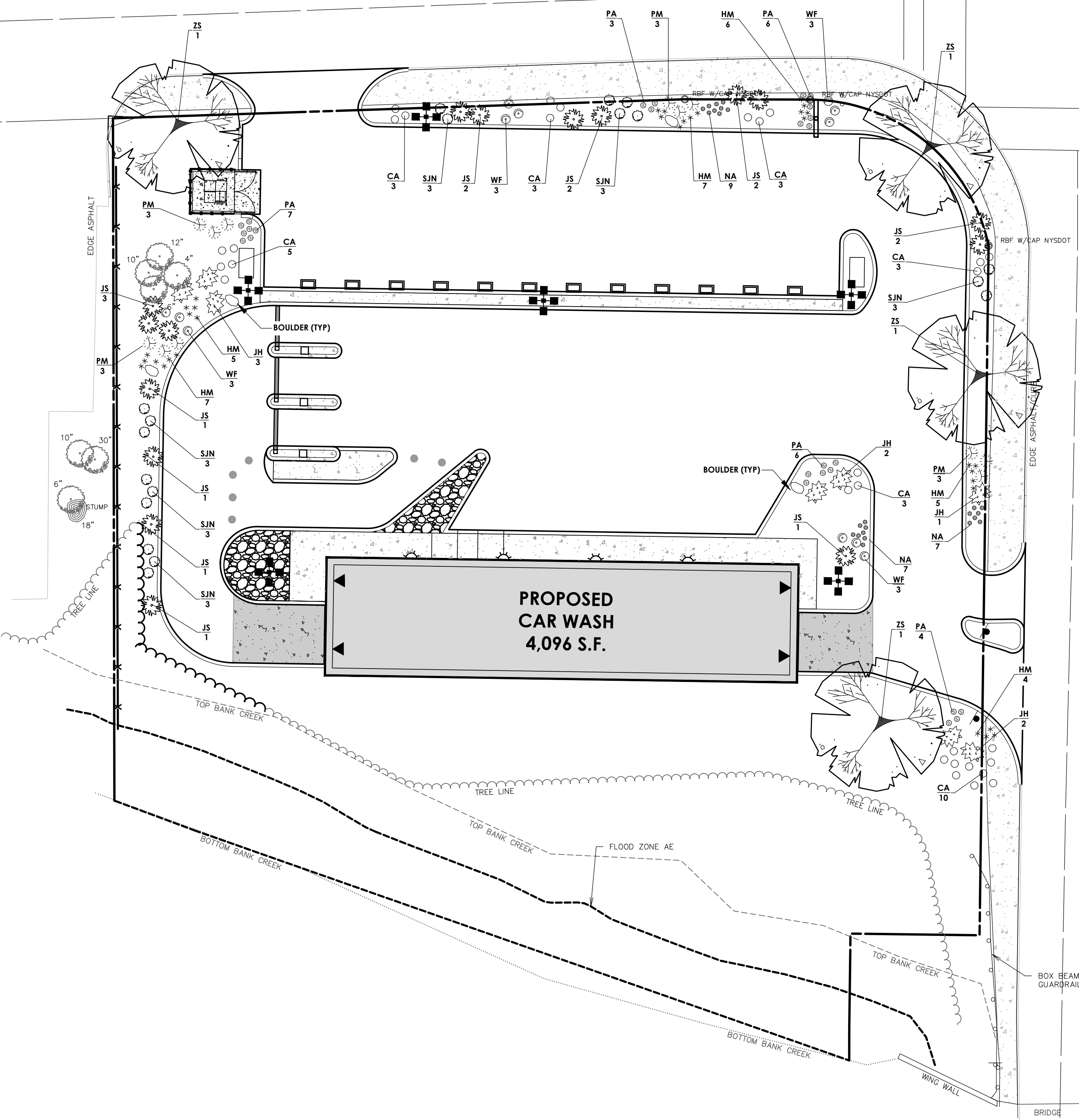
Project No.
20223306.0001

Drawing No. **C 106** Sheet No. **6**

Scale:
1" = 20'

Date
JUNE 2022

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PLANT SYMBOLS

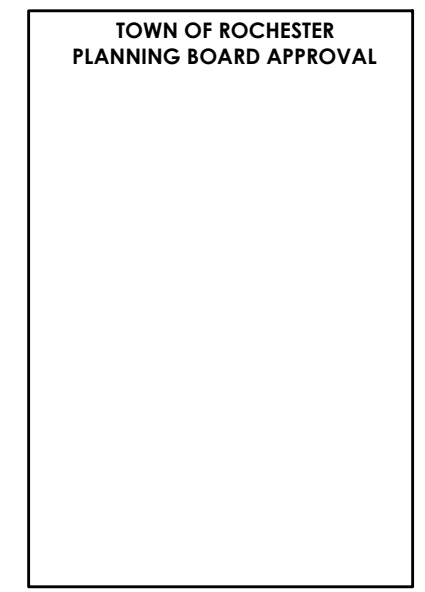
- ZELKOVA
- JUNIPER TREE
- CREeping JUNIPER
- MUGO PINE
- NEON FLASH SPIRAEA
- WEIGELA
- FOUNTAIN GRASS
- FEATHER REED GRASS
- DAYLILIES
- DAFFODILS

PLANT SCHEDULE

KEY	QTY	COMMON NAME	BOTANICAL NAME	SIZE	MATURE HEIGHT	SPACING	COMMENTS
DECIDUOUS TREES							
ZS	4	ZELKOVA	ZELKOVA SERRATA 'GREEN VASE'	2-2 1/2 CAL. B&B	60-80'	AS SHOWN	40-50' SP
EVERGREEN TREES							
JS	16	ROCKY MOUNTAIN JUNIPER	JUNIPERUS SCOPULORUM 'WICHITA BLUE'	6' HT. B&B	10-15'	AS SHOWN	4-6' SP.
EVERGREEN SHRUBS							
JH	8	CREeping JUNIPER	JUNIPERUS HORIZONTALIS 'BAR HARBOR'	24" B & B	.75-1'	AS SHOWN	5-6' SP.
PM	12	SLOWMOUND MUGO PINE	PINUS MUGO 'SLOWMOUND'	24" B & B	1-2'	AS SHOWN	3-4' SP.
DECIDUOUS SHRUBS							
SJN	18	NEON FLASH SPIRAEA	SPIRAEA JAPONICA 'NEON FLASH'	NO. 3 CONT.	3'	AS SHOWN	3' SP.
WF	12	WEIGELA	WEIGELA FLORIDA 'ELVERA' 'MIDNIGHT WINE'	NO. 3 CONT.	1.5-2'	AS SHOWN	1.5-2' SP.
GRASSES AND PERENNIALS							
HM	34	DAYLILIES	HEMEROCALLIS 'STELLA DE ORO'	NO. 2 CONT.	12"	AS SHOWN	12" SP.
NA	23	TRUMPET DAFFODILS	NARCISSUS DUTCH MASTER	BULB	18-20"	AS SHOWN	6" SP.
PA	26	FOUNTAIN GRASS	PENNISSETUM ALOPECUROIDES 'HAEMEL'	NO. 2 CONT.	1.5-2.5'	AS SHOWN	1.5-2.5' SP.
CA	30	FEATHER REED GRASS	CALAMAGROSTIS x ACUTIFLORA 'KARL FOERSTER'	NO. 2 CONT.	3-5'	AS SHOWN	1.5-2.5' SP.

ROCK MULCH SHALL BE 3-5" WASHED RIVER ROCK, UNIFORM IN SIZE. ALL FINES SHALL BE SCREENED TO WITHIN 1/2" TOLERANCE. MATERIAL SHALL BE FREE OF ORGANIC AND INORGANIC DEBRIS AND TRASH.

NOTE:
IRRIGATION ALLOWANCE AND COORDINATION BY GENERAL CONTRACTOR.



APPROVED BY _____ DATE _____
COMMISSIONER OF PUBLIC WORKS/
HIGHWAY SUPERINTENDENT

APPROVED BY _____ DATE _____
MONROE COUNTY WATER AUTHORITY

APPROVED BY _____ DATE _____
TOWN ENGINEER

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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 SILTATION CONTROLS.
12. SLOPES SHALL NOT EXCEED 1' 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 AOB. CONTRACTOR SHALL PROVIDE FOR THIS COST IN HIS CONTRACT.
15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SILLATION 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 BY UNROLLING THE PRODUCT DOWN THE SLOPE. DO NOT STRETCH THE MESH, ALLOWING IT TO FLUX 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 SLOES CUT INTO THE SOIL. THEN STAPLE MATTING AT CHECK SLOES.

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.

STANDARD WATER MAIN EXTENSION NOTES:

1. THE WATER MAIN SHALL BE DISINFECTED EQUAL TO AWWA STANDARD FOR DISINFECTING WATER MAINS DESIGNATION C651 (LATEST REVISION). FOLLOWING DISINFECTION, THE WATER MAIN PIPELINE SHALL BE FLUSHED UNTIL THE CHLORINE CONCENTRATION IN THE WATER LEAVING THE MAIN IS NO HIGHER THAN THAT GENERALLY PREVAILING IN THE SYSTEM. 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. THE NYS DEPARTMENT OF PUBLIC HEALTH MUST RECEIVE AT LEAST 48-HOUR ADVANCE NOTIFICATION REQUESTING SAMPLING SERVICES. 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(1) 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. THE DEPARTMENT WILL COLLECT SAMPLES FOR FREE CHLORINE RESIDUAL, TOTAL COLIFORM, ESCHERICHIA COLI (E. COLI) AND TURBIDITY. THE WATER MAIN PIPE AND APPURTENANCES SHALL NOT BE PLACED INTO SERVICE UNTIL SO AUTHORIZED BY THE ERIE COUNTY DEPARTMENT OF PUBLIC HEALTH.
2. MINIMUM VERTICAL SEPARATION BETWEEN WATER MAIN PIPELINES AND SEWER PIPELINES 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 PIPELINE AND APPURTENANCES 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.

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 TOWN OF DEPEW.
2. WATER SERVICE WILL BE INSTALLED IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE ERIE COUNTY WATER AUTHORITY.
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. THIS SUBDIVISION SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF THE COUNTY MONUMENTATION LAW.
6. ALL SITE WORK TO BE IN COMPLIANCE WITH THE STANDARDS OF THE TOWN OF DEPEW.
7. ALL CONSTRUCTION WILL BE IN ACCORDANCE WITH THE DESIGN CRITERIA AND CONSTRUCTION SPECIFICATIONS FOR LAND DEVELOPMENT FOR THE TOWN OF DEPEW DATED THE MOST CURRENT REVISION.

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.

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.

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:
 65% KENTUCKY BLUEGRASS BLEND @ 85LBS. PER ACRES OR 2.0-2.6 LBS. PER 1000 SQUARE FOOT
 20% PERENNIAL RYEGRASS @ 26-35 LBS. PER ACRE OR 0.6-0.8 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 UTILITY 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.

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

1. WATER SERVICE LINES (LATERALS) SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE REGULATION AND SPECIFICATIONS OF THE ERIE COUNTY WATER AUTHORITY.
 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:

	SIZE	MATERIAL (A)	TYPE (B)
ROYAL CAR WASH			
ECWA PORTION = FROM THE WATER MAIN TO AND INCLUDING THE CONTROL VALVE ON THE ROW/PROPERTY/EASEMENT LINE	4"	D.I.P.*	
PRIVATE PORTION = FROM THE CONTROL VALVE TO THE METER*	4"	D.I.P.	
- (A) ACCEPTABLE MATERIAL IS "CLASS S2 CEMENT MORTAR LINER DUCTILE IRON PIPE"
 (B) SERVICE TYPES INCLUDE: DOMESTIC = DS, FIRE = FS, OR COMBINED = CMB
 * THE ECWA 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 OR EXTERIOR WALL(S) IMMEDIATELY UPON SERVICE ENTERANCE 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. WATER SERVICE LINES SIZED 4-INCHES OR GREATER SHALL BE:
 * PRESSURE TESTED IN ACCORDANCE WITH THE LATEST SPECIFICATIONS OF THE ERIE COUNTY WATER AUTHORITY. A WATER AUTHORITY REPRESENTATIVE MUST WITNESS THIS TEST.
 * DISINFECTED BY USING THE CONTINUOUS FEED METHOD ACCORDING TO AWWA STANDARD SPECIFICATIONS. AFTER FLUSHING AND DISINFECTING THE SERVICE LINE, WATER SAMPLES SHALL BE COLLECTED BY THE NYS DEPARTMENT OF HEALTH. APPROVAL AND NOTIFICATION BY THE HEALTH DEPARTMENT MUST BE RECEIVED BEFORE THE LATERAL IS PLACED IN SERVICE.

SANITARY NOTES

1. SANITARY SEWERS AND APPURTENANCES SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE LATEST REGULATIONS OF THE STATE, COUNTY AND LOCAL MUNICIPALITY.
2. MATERIALS
 - MAINS - PIPING SHALL BE POLYVINYL CHLORIDE (PVC) WITH ENDS SUITABLE FOR ELASTOMERIC GASKET JOINTS, AND A MINIMUM WALL THICKNESS OF SDR-35. PIPING AND FITTINGS SHALL MEET: ASTM D-3034 (4" THRU 15") ASTM F-679 (18" THRU 48")
 - LATERALS - 4" MIN. INSTALLED AT 1/2" PER FOOT MIN. PIPING SHALL BE POLYVINYL CHLORIDE (PVC) WITH ENDS SUITABLE FOR ELASTOMERIC GASKET JOINTS, AND A MINIMUM WALL THICKNESS OF SDR-21. PIPING AND FITTINGS SHALL MEET ASTM D-2241.
 - JOINTING MATERIALS - SHALL BE BELL-AND-SPIGOT WITH INTEGRAL PUSH ON TYPE ELASTOMERIC GASKET JOINTS. GASKET MATERIAL TO BE NEOPRENE MEETING ASTM D-3212.
 - MANHOLES - SHALL BE PRECAST CONCRETE WITH NEOPRENE GASKETS MEETING ASTM C-478 & ASTM C-443.
3. INFILTRATION AND EXFILTRATION FOR SANITARY SEWERS SHALL BE LIMITED TO 100 GALLONS PER MILE PER INCH DIAMETER OF PIPE PER 24 HOURS.
4. IF AN AIR TEST IS USED, THE TEST AS A MINIMUM SHALL CONFORM TO THE PROCEDURE DESCRIBED IN ASTM C-828-B, ENTITLED STANDARD PRACTICE FOR LOW PRESSURE AIR TEST OF VITRIFIED CLAY PIPELINES; SANITARY MANHOLES SHALL BE TESTED FOR EXFILTRATION.
5. VACUUM TESTING OF MANHOLES IS ALLOWED. THE CONTRACTOR IS CAUTIONED TO SPEAK TO THE SUPERINTENDENT OF SEWERS PRIOR TO COMMENCING WITH PLANS TO VACUUM TEST.
6. DEFLECTION TEST - TEN STATE STANDARDS.
 - 6.A. DEFLECTION TESTS SHALL BE PERFORMED ON ALL FLEXIBLE PIPE. THE TEST SHALL BE CONDUCTED AFTER THE FINAL BACKFILL HAS BEEN IN PLACE AT LEAST 30 DAYS.
 - 6.B. IF THE DEFLECTION TEST IS TO BE RUN USING A RIGID BALL OR MANDRELL, IT SHALL HAVE A DIAMETER EQUAL TO 95% OF THE INSIDE DIAMETER OF THE PIPE. THE TEST SHALL BE PERFORMED WITHOUT MECHANICAL PULLING DEVICES.
 - 6.C. NO PIPE SHALL EXCEED A DEFLECTION OF 5%.
7. ALL SANITARY SEWER INSTALLATION SHALL BE MADE IN CONFORMANCE WITH THE SPECIFICATIONS, REGULATIONS, AND POLICIES OF THE GATES SEWER DISTRICT.
8. ALL HOUSE LATERALS SHALL HAVE A CLEANOUT AT THE PROPERTY LINE OR EASEMENT LINE.
9. FLOOR DRAINS, IF CONSTRUCTED, SHALL BE CONNECTED TO THE SANITARY SEWER/COMBINATION SEWER. (FLOOR DRAINS DO NOT INCLUDE FOUNDATION/FOOTER DRAINS). ALL DISCHARGES TO THE SANITARY/COMBINATION SEWER MUST COMPLY WITH THE EFFLUENT LIMITS OF THE LOCAL AND/OR THE MONROE COUNTY SEWER USE LAW.
10. SEPARATION - MINIMUM VERTICAL SEPARATION BETWEEN WATER MAINS AND SEWER LINES SHALL BE 18 INCHES MEASURED FROM THE OUTSIDE OF THE PIPES AT THE POINT OF CROSSING. ONE FULL STANDARD LAYING LENGTH OF WATER MAIN 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 SETTILING 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.
11. 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/COMBINATION SEWER MUST COMPLY WITH THE EFFLUENT LIMITS OF THE LOCAL AND ERIE COUNTY SEWER USE LAW.

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 100:10 COMMERCIAL FERTILIZER APPLIED AT A RATE OF 20LBS./1000 S.F. NO FERTILIZER CONTAINING PHOSPHORUS IS PERMITTED ON SITE.
11. ALL NEWLY SEEDED AREA SHALL RECEIVE STRAW AT A RATE OF 2000 LBS/ACRE OR HYDRATED METHOD MAY BE UTILIZED.
12. FINE GRADE & HAND RAKE SOIL IN AREAS TO RECEIVE NEW SEED
13. ALL AREAS TO BE SEEDED SHALL RECEIVE 6" DEPTH OF TOPSOIL.
14. ANY PROPOSED DEVIATION TO THIS PLAN MUST 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 PLANNING AND WATERING THESE TREES.

HIGHWAY RESTORATION DETAIL NOTES

1. HMA ITEMS ARE BASED ON PG 64-22 BINDER. ESALS LESS THAN 3000,000. TACK COAT IS REQUIRED BETWEEN ALL LIFTS OF ASPHALT. USE OF POLYPHOSPHORIC ACID (PPA) TO MODIFY THE PG BINDER PROPERTIES IS PROHIBITED. THIS PROHIBITION ALSO APPLIES TO THE USE OF PPA AS A CROSS-LINKING AGENT FOR POLYMER MODIFICATION.
2. BUTT JOINTS, CREATED BY A FULL-DEPTH SAWCUT, SHALL BE USED BETWEEN NEW AND EXISTING PAVEMENTS. THE ASPHALT TOP COURSE SHALL BE LAID SUCH THAT IT UNIFORMLY OVERLAPS THE ADJACENT COLD MAT BY 2"-3". THE THICKNESS OF THE OVERLAP MATERIAL SHALL BE 1/4 THE COMPACTED THICKNESS OF THE COURSE, SO AS TO RESULT IN A SMOOTH AND WELL COMPACTED JOINT AFTER ROLLING. BROADCASTING OF THE OVERLAP MATERIAL ONTO THE LANE IS NOT ALLOWED. IF THE OVERLAP IS EXCESSIVE, THE EXCESS MATERIAL SHALL BE TRIMMED OFF SO THAT THE MATERIAL ALONG THE JOINT IS UNIFORM. THE COARSE PARTICLES OF AGGREGATE IN THE OVERLAP MATERIAL SHALL BE REMOVED AND WASTED IF DEEMED NECESSARY BY THE INSPECTOR. ASPHALT PAVEMENT JOINT ADHESIVE SHALL BE USED ON VERTICAL FACES FOR ALL OF THE JOINTS ON THE SURFACE COURSE SUCH AS LENGTHWISE, TRANSVERSE AND OTHER JOINTS BUTTING AGAINST THE NEW ASPHALT PAVEMENT.
3. DESIGN PGB CONTENT SELECTION THE PRODUCER SELECTS THE DESIGN PGB CONTENT AT THE BINDER CONTENT THAT RESULTS IN A COMPACTED DENSITY OF 96.5% GMM AT THE DESIGN NUMBER OF GYRATIONS (INDSIGN), UNDER NO CIRCUMSTANCES SHALL THE PERFORMANCE GRADED BINDER CONTENT IN THE HMA MIXTURE BE LESS THAN 5.8% FOR A 9.5 DESIGN, 5.2% FOR A 12.5 DESIGN, 4.5% FOR A 19.0 DESIGN, 4.2% FOR A 25.0 DESIGN, OR 3.7% FOR A 37.5 DESIGN. ALL VOLUMETRIC AND MECHANICAL PROPERTIES ARE CHECKED AT THIS PGB CONTENT TO ENSURE THAT ALL REQUIREMENTS ARE MET.
4. PERFORM ALL WARRANTY WORK IN ACCORDANCE WITH MATERIALS PROCEDURE (MP) 402-01, WARRANTY REQUIREMENTS FOR HOT MIX ASPHALT (HMA) TOP COURSE.
5. AS PER STANDARD SPECIFICATION SECTION 401-4.01 CERTIFIED PRODUCTION, PRODUCTION LESS THAN 500 TONS, AND HIGHWAY PERMIT PRODUCTION, PRODUCTION MEETING THE SPECIFICATION REQUIREMENTS WILL BE ASSIGNED A QAF OF 1.00. PRODUCTION FAILING TO MEET THE SPECIFICATION REQUIREMENTS WILL BE SUBJECT TO EVALUATION ACCORDING TO SECTION 401-4.03. EVALUATION OF SUBLOTS REPRESENTED BY 0.85 QAF.

NYS DOT GENERAL NOTE:

- a. ANY DAMAGE CAUSED DIRECTLY OR INDIRECTLY BY THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- b. NYS DOT OPERATIONS TAKE PRESIDENT OVER HIGHWAY WORK PERMIT OPERATIONS. CONTRACTOR SHALL NOT HAVE WORK OPERATIONS IN PAVEMENT DURING INCLEMENT WEATHER CONDITIONS OR DURING SNOW AND ICE REMOVAL OPERATIONS ON STATE HIGHWAYS.
- c. NO PAVEMENT CUTS SHALL BE LEFT OPEN OVERNIGHT.

STORMWATER/SPDES NOTES:

1. STORMWATER DISCHARGES FROM PROJECT CONSTRUCTION ACTIVITY ARE REGULATED UNDER THE NEW YORK STATE POLLUTANT DISCHARGE ELIMINATION SYSTEM (SPDES).
2. A SPDES PERMIT HAS BEEN OBTAINED FOR THIS PROJECT. ALL CONTRACTORS AND SUBCONTRACTORS SHALL BE FAMILIAR WITH THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (DEC) SPDES GENERAL PERMIT FOR STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITY (GP-0-20-002) AND COMPLY WITH ALL CONDITIONS OF THAT PERMIT.

NYS DOT STANDARD GENERAL PLAN NOTES

1. ROAD TO BE KEPT CLEAN OF MUD AND DEBRIS AT ALL TIMES.
2. ROADSIDE DRAINAGE TO BE MAINTAINED AT ALL TIMES.
3. MATERIALS, EQUIPMENT AND VEHICLES ARE NOT TO BE STORED OR PARKED WITHIN THE NEW YORK STATE RIGHT-OF-WAY.
4. MAINTENANCE AND PROTECTION OF TRAFFIC MUST COMPLY WITH THE CURRENT NATIONAL MUTCD WITH NYS SUPPLEMENT. SECTION 619 OF THE CURRENT NYS DOT STANDARD SPECIFICATIONS, THESE PLANS AND AS ORDERED BY THE ASSISTANT RESIDENT ENGINEER. ON A NYS DOT CONSTRUCTION PROJECT, MAINTENANCE AND PROTECTION OF TRAFFIC MUST COMPLY WITH THESE PLANS AND BE IN ACCORDANCE WITH THE NYS DOT CONTRACT DOCUMENTS AS DEEMED NECESSARY BY THE NYS ENGINEER-IN-CHARGE.
5. NOTIFY THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION'S ASSISTANT RESIDENT ENGINEER AT THE APPROPRIATE NUMBER, AS NOTED BELOW, FIVE (5) WORK DAYS PRIOR TO WORKING WITHIN THE STATE RIGHT-OF-WAY.
 - GENESSEE CO. - DAN STAHLEY (585) 343-0502
 - LIVINGSTON CO. - ADAM KISHAH (585) 346-3006
 - MONROE CO. WEST OF GENESSEE RIVER - DARRELL FAZIO (585) 352-3471
 - MONROE CO. EAST OF GENESSEE RIVER - KEVIN KIESER (585) 586-4514
 - ONTARIO CO. - GREG TROST (585) 396-4955
 - ORLEANS CO. - ANDREW SHICK (585) 589-6465
 - WAYNE CO. - GREG TROST (585) 396-4955
 - WYOMING CO. - KATHYRN MURRAY (585) 786-3310

IN ADDITION, THE PERMITEE SHALL NOTIFY NYS DOT REGIONAL TRAFFIC OPERATIONS CENTER (RIOC) OF ALL LANE AND SHOULDER CLOSURES AT LEAST THREE (3) DAYS IN ADVANCE OF THE PROPOSED WORK UTILIZING RIOC'S CONSTRUCTION NOTIFICATION FORM. RIOC'S CONSTRUCTION NOTIFICATION FORM CAN BE OBTAINED FROM THE 511NY NOTIFICATION LINK AT THE WORK ZONE TRAFFIC CONTROL LINK ON THE REGION 4 PERMITS WEBSITE: WWW.DOT.NY.GOV/R4WORKPERMITS.

PROPOSED CLOSURES WILL BE REVIEWED FOR CONCURRENT AND OVERLAPPING CLOSURE OR INCIDENT CONFLICTS AND WILL BE ENTERED INTO 511NY.ORG. CLOSURES INCLUDED IN THE NOTIFICATION SHALL CONFORM TO TIME, DATE, AND LOCATION RESTRICTIONS IN THE PERMIT. RIOC MAY DISALLOW OR REDUCE CLOSURES DUE TO OTHER CLOSURES OR INCIDENTS FOUND IN CONFLICT WITH THE PROPOSED CLOSURE(S).

ALL LANE AND SHOULDER CLOSURES SHALL BE REMOVED DURING NON-WORKING HOURS, EXCEPT WHERE AUTHORIZED BY THE NYS DOT REGIONAL TRAFFIC ENGINEER OR DESIGNER.

6. NOTIFY THE NYS DOT TRAFFIC SIGNAL MAINTENANCE ENGINEER AT (585) 753-7793 5 DAYS PRIOR TO WORKING WITHIN 350' OF A SIGNALIZED INTERSECTION. NOTIFY DIG SAFELY NEW YORK 2 WORK DAYS PRIOR TO DIGGING, DRILLING OR BLASTING AT 811 FOR A UTILITY STAKE-OUT.
7. ALL MATERIALS USED WITHIN THE STATE RIGHT-OF-WAY MUST COMPLY WITH THE REQUIREMENTS INCLUDING THE ADDITION OF SELECTIVE MATERIALS AND LIGHTING.
8. HAZARDOUS WASTE NOTIFICATION - THE PERMITEE ACCEPTS THE RIGHT-OF-WAY OF THE STATE HIGHWAY IN ITS "AS IS" CONDITION. THE DEPARTMENT OF TRANSPORTATION MAKES NO REPRESENTATION AS TO THE ABSENCE OF UNDERGROUND TANKS, STRUCTURES, FEATURES OR SIMILAR IMPEDIMENTS TO THE COMPLETION OF THE WORK PERMITTED HEREUNDER. SHOULD PERMITEE FIND SOME PREVIOUSLY UNKNOWN UNDERGROUND IMPEDIMENTS TO ITS WORK, THE DEPARTMENT OF TRANSPORTATION SHALL HAVE NO OBLIGATION TO CURE, REMOVE, REMEDY OR OTHERWISE DEAL WITH SUCH PREVIOUSLY UNKNOWN UNDERGROUND IMPEDIMENTS. THE PERMITEE IS REQUIRED TO REMOVE, MODIFY OR OTHERWISE DEAL WITH SUCH UNDERGROUND TANKS, STRUCTURES, FEATURES OR IMPEDIMENTS IN A MANNER WHICH MEETS ACCEPTABLE ENGINEERING PRACTICE AND IS APPROVED BY THE DEPARTMENT OF TRANSPORTATION.
9. ADA COMPLIANCE - ALL WORK ON PEDESTRIAN FACILITIES SHALL BE COMPLIANT WITH THE AMERICANS WITH DISABILITIES ACT (ADA). 01/2020

NYS DOT STANDARD WORK ZONE TRAFFIC CONTROL NOTES

GENERAL NOTES
 1. THE TYPICAL DETAILS DEPICTED ON THE STANDARD SHEETS AND IN THE MUTCD, REFLECT THE MINIMUM REQUIREMENTS.
 2. THE CONTRACTOR MUST SUBMIT TO THE ENGINEER, PROPOSED REVISIONS TO THE TRAFFIC CONTROL PLAN FOR REVIEW AND APPROVAL BY THE REGIONAL DIRECTOR OR HIS/HER DESIGNEE FIVE (5) WORK DAYS PRIOR TO THE PLANNED IMPLEMENTATION OF SUCH PROPOSED REVISIONS, EXCEPT FOR CHANGES THAT ALTER THE SCOPE OF THE TRAFFIC CONTROL PLAN. SUCH CHANGES IN SCOPE MUST BE SUBMITTED TO THE ENGINEER FOR APPROVAL BY THE REGIONAL DIRECTOR OR HIS/HER DESIGNEE THIRTY (30) WORKING DAYS PRIOR TO IMPLEMENTATION OF SUCH REVISIONS.
 3. THE CONTRACTOR SHALL PROVIDE THE ENGINEER, IN WRITING, WITH THE NAMES, ADDRESSES, AND TELEPHONE NUMBERS OF STAFF WHO ARE AUTHORIZED TO SECURE LABOR, MATERIALS, AND EQUIPMENT FOR EMERGENCY REPAIRS OUTSIDE NORMAL WORKING HOURS. THE ENGINEER WILL PROVIDE THE SUBMITTED INFORMATION TO REGIONAL MANAGEMENT, THE NEW YORK STATE POLICE, THE RESIDENT ENGINEER, AND THE LOCAL POLICE.

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

SIGNS
 1. THE LOCATIONS OF THE SIGNS SHOWN ON THE WORK ZONE TRAFFIC CONTROL PLANS AND DETAILS MAY BE ADJUSTED BASED ON SIGHT DISTANCE AND OTHER CONSIDERATIONS. THE FINAL LOCATIONS OF SIGNS ARE SUBJECT TO APPROVAL OF THE ENGINEER.

2. ANY EXISTING SIGNS, INCLUDING OVERHEAD SIGNS, WHICH CONFLICT WITH THE TEMPORARY TRAFFIC CONTROL SIGN LAYOUT SHALL BE COVERED, REMOVED, STORED OR RESET, AS APPROVED BY THE ENGINEER. ALL APPROPRIATE EXISTING SIGNS SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AND/OR LOCATION UNLESS OTHERWISE REPLACED IN THIS CONTRACT.

3. SIGNS AT OR NEAR INTERSECTIONS SHALL BE PLACED SO THAT THEY DO NOT OBSTRUCT A MOTORIST'S LINE OF SIGHT.

4. ALL WARNING AND REGULATORY SIGNS SHALL BE POSTED ON BOTH SIDES OF MULTI-LANE DIVIDED HIGHWAYS, MULTI-LANE RAMPS, AND ONE-WAY STREETS. IN CASES WHERE LANE RESTRICTIONS REDUCE THE NUMBER OF LANE LANE SIGNS SHALL BE POSTED ON THE RIGHT SIDE OF THE ACTIVE TRAVEL LANE, UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER.

5. SIGNS MOUNTED ON THE MEDIAN OF DIVIDED HIGHWAYS WHERE MEDIAN BARRIER IS IN PLACE MAY BE MOUNTED ON THE BARRIER WITH A SADDLE TYPE BRACKET. LAYING THE SIGN DOWN IN A HORIZONTAL POSITION IS NOT PERMITTED.

CHANNELIZING DEVICES
 1. WHERE POSSIBLE ALL CHANNELIZING AND GUIDING DEVICES ARE TO BE PLACED SO AS TO PROVIDE A MINIMUM 2' LATERAL CLEARANCE TO THE TRAVELED WAY.

PUBLIC ACCESS
 1. PROPERTY OWNERS WHOSE DRIVEWAYS WILL BE MADE INACCESSIBLE SHALL BE NOTIFIED BY THE CONTRACTOR AT LEAST 24 HOURS PRIOR TO RESTRICTING USE OF THE DRIVEWAY. FOR MULTIPLE ACCESS PROPERTIES, AT LEAST ONE DRIVEWAY SHALL BE OPEN AT ALL TIMES. ACCESS SHALL BE RESTORED TO ALL DRIVEWAYS AS SOON AS POSSIBLE.

2. SUITABLE RAMPS SHALL BE INSTALLED TO MAINTAIN SMOOTH TRANSITIONS FROM RESIDENTIAL AND COMMERCIAL DRIVEWAYS TO AND FROM THE WORK AREA.

LANE CLOSURES
 1. THE CONTRACTOR SHALL LOCATE LANE CLOSURES TO PROVIDE OPTIMUM VISIBILITY, I.E. BEFORE CURVES AND CRESTS, TO THE EXTENT CONDITIONS PERMIT.

2. THE ENGINEER MAY REQUIRE THAT ALL LANES BE RE-OPENED AT ANY TIME IF THE ROUTE IS NEEDED FOR EMERGENCY PURPOSES, THIS COULD INCLUDE INCIDENTS AT LOCATIONS OUTSIDE THE CONTRACT LIMITS.

LANE WIDTHS
 1. UNLESS AUTHORIZED BY THE ENGINEER, THE MINIMUM LANE WIDTHS FOR WORK ZONE TRAVEL LANES SHALL BE AS FOLLOWS: FREEWAYS AND/OR EXPRESSWAYS IS 11'. THE MINIMUM LANE WIDTH FOR ALL OTHER TYPES OF ROADWAYS IS 10'.
 2. THE CONTRACTOR SHALL PROVIDE A WRITTEN NOTICE TO THE ENGINEER, A MINIMUM OF 21 CALENDAR DAYS IN ADVANCE OF PERFORMING ANY WORK THAT RESULTS IN THE REDUCED WIDTH OF AN EXISTING ROADWAY, SO THAT THE ENGINEER MAY NOTIFY THE REGIONAL PERMIT ENGINEER IN A TIMELY MANNER.

BARRIER/SHADOW VEHICLES
 1. BARRIER AND SHADOW VEHICLES SHALL BE REQUIRED AS PER STANDARD SHEET TITLED "WORK ZONE TRAFFIC CONTROL LEGENDS AND NOTES".
 2. NO WORK ACTIVITY, EQUIPMENT, VEHICLES, AND/OR MATERIALS SHALL BE LOCATED BETWEEN THE BARRIER OR SHADOW VEHICLE AND THE ACTIVE WORK AREA (ROLL AHEAD DISTANCE).
 3. THE CONTRACTOR MAY BE REQUIRED TO PROVIDE A BARRIER VEHICLE IN CONJUNCTION WITH POLICE PRESENCE IN THE WORK ZONE, TO BE INCLUDED IN THE UNIT BID PRICE FOR BASIC WORK ZONE TRAFFIC CONTROL.

NYS DOT REGION 5 UTILITY PERMIT NOTES

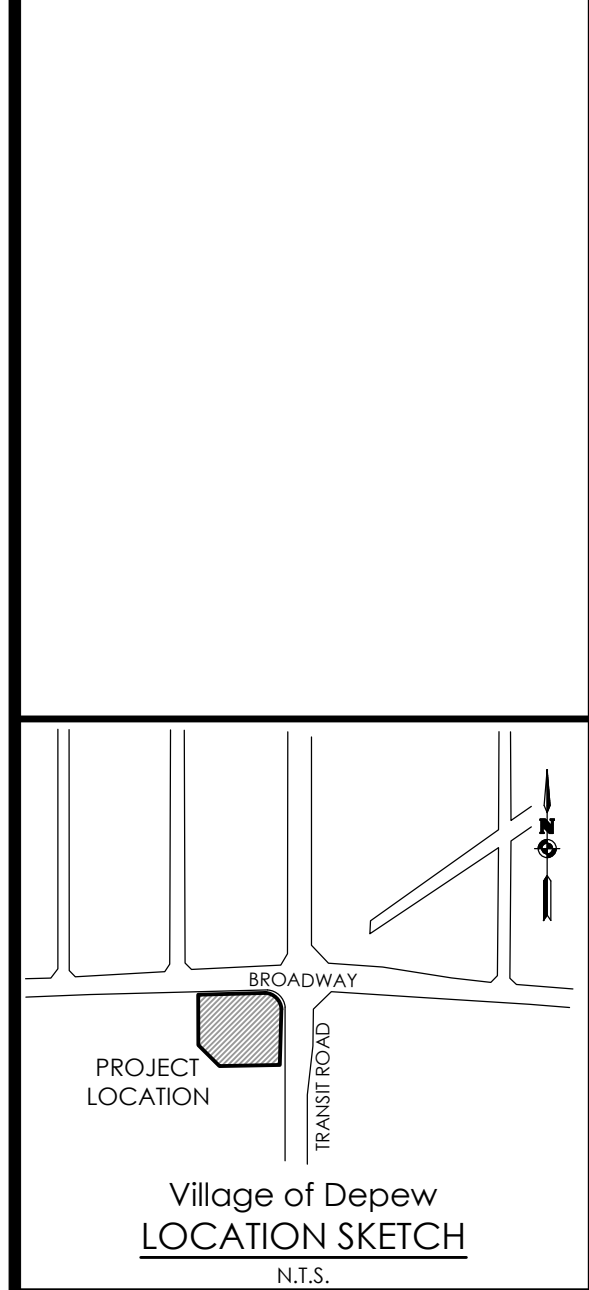
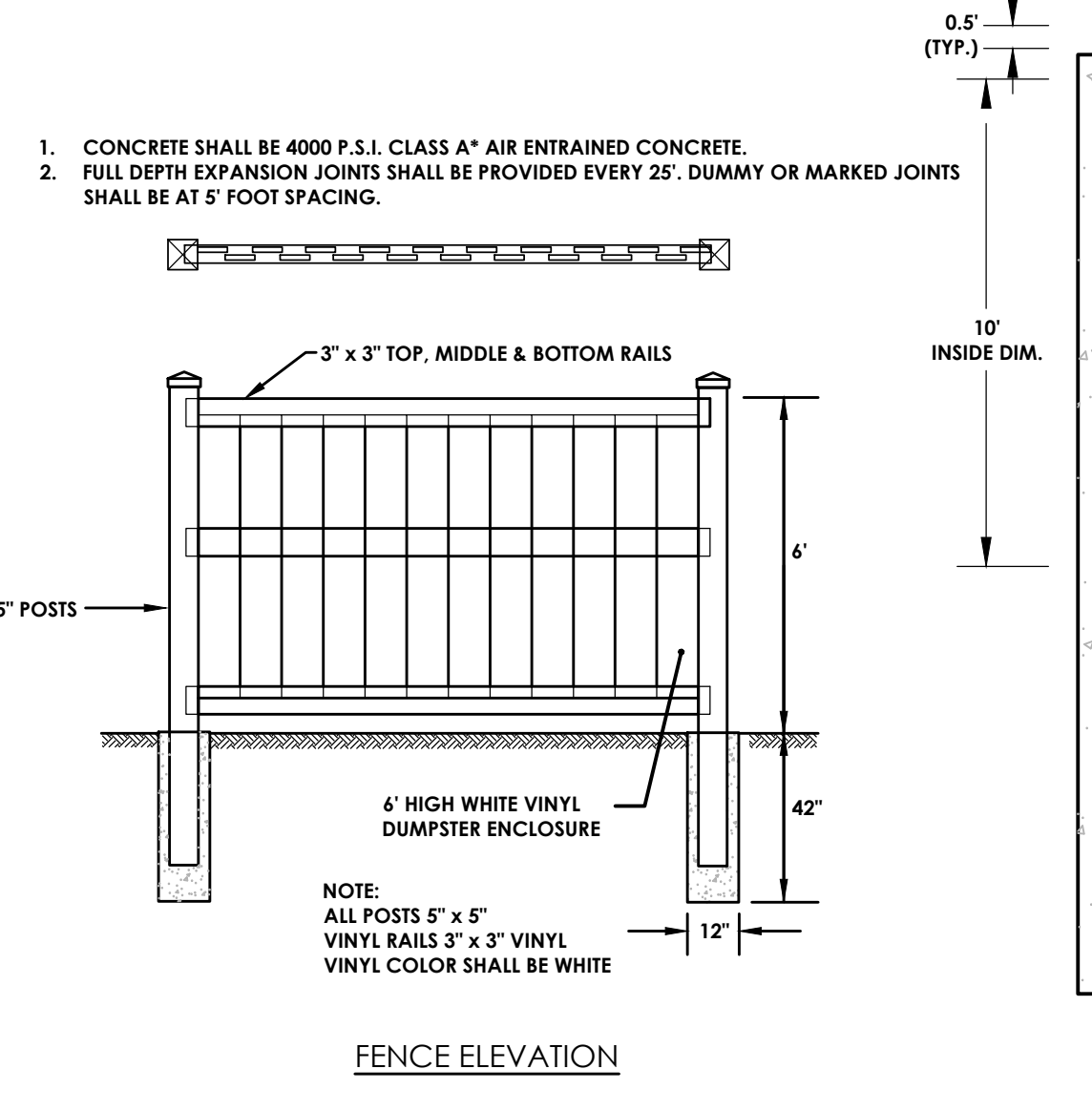
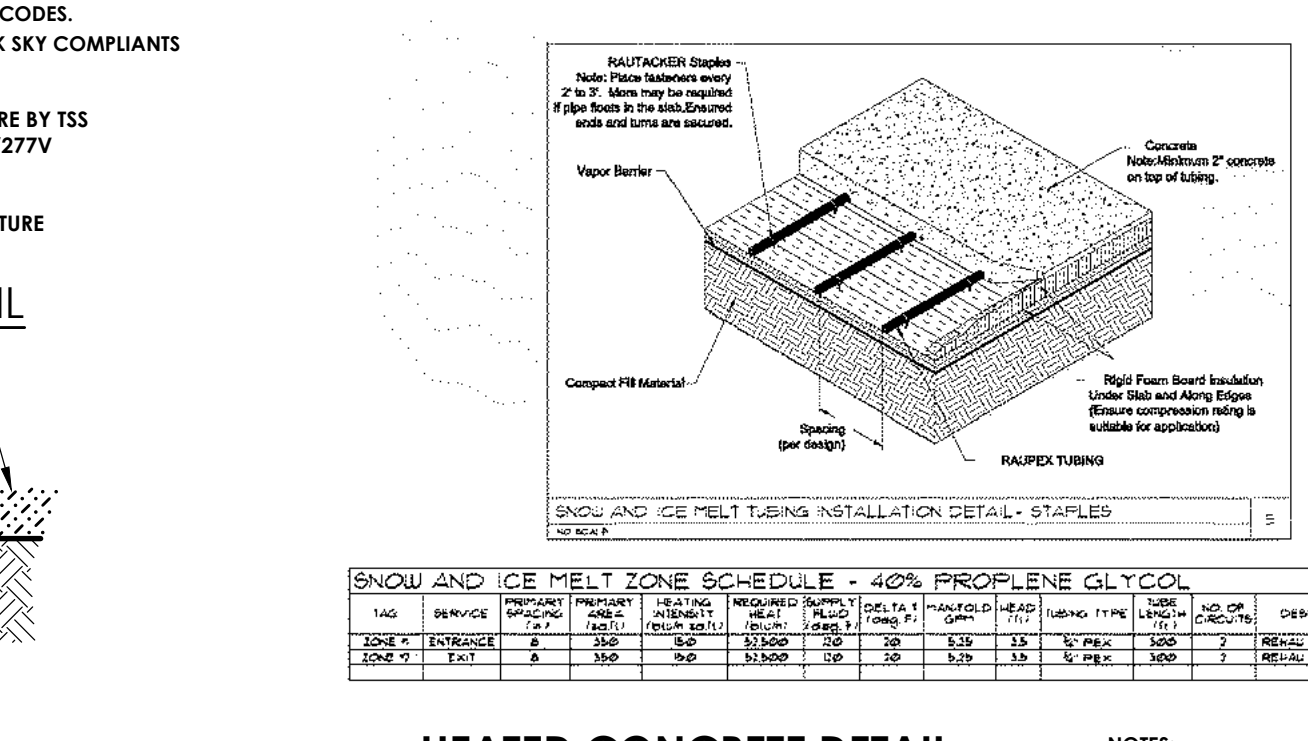
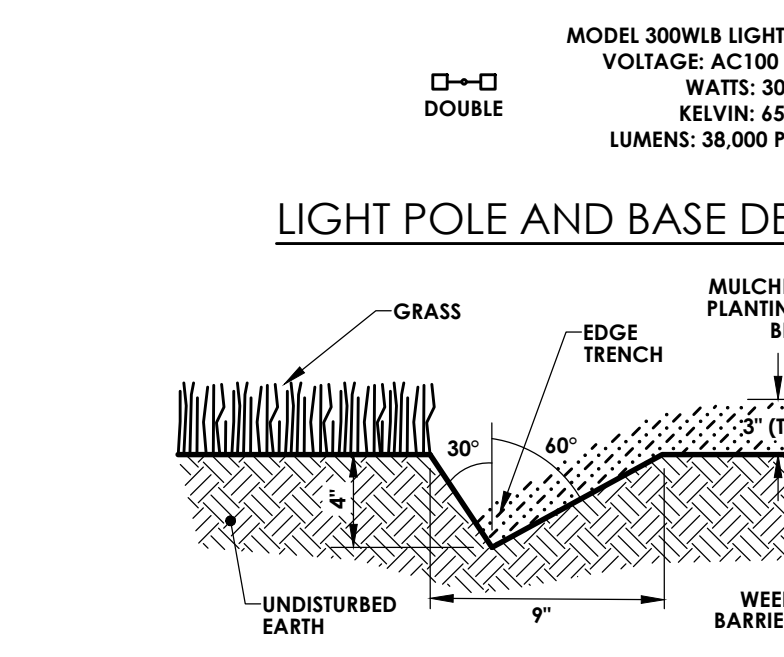
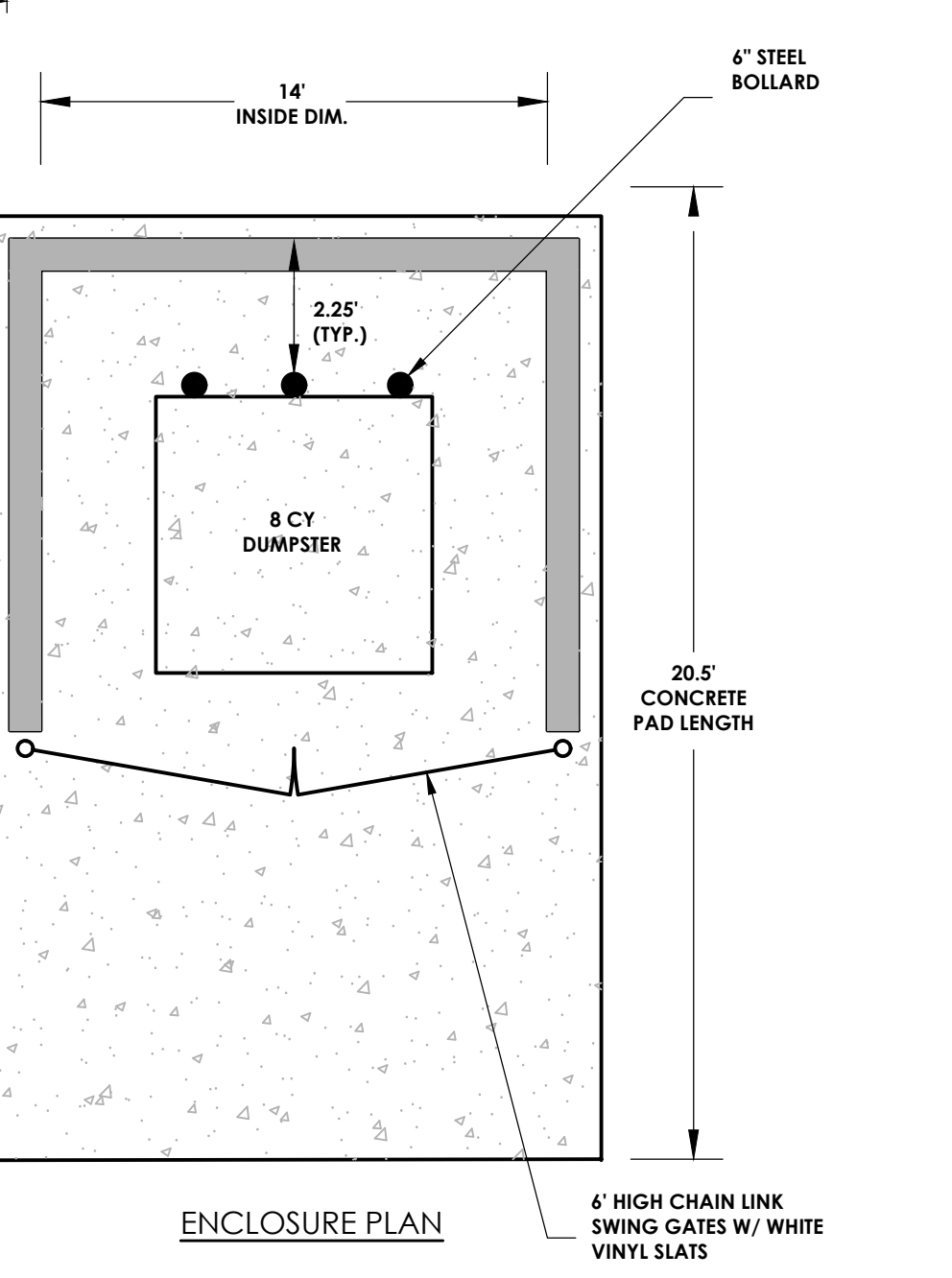
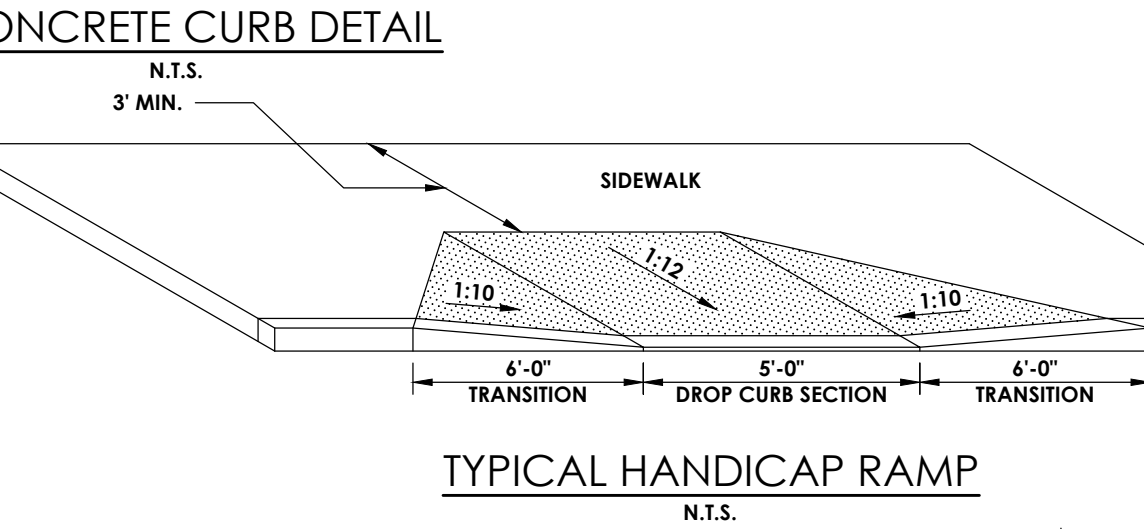
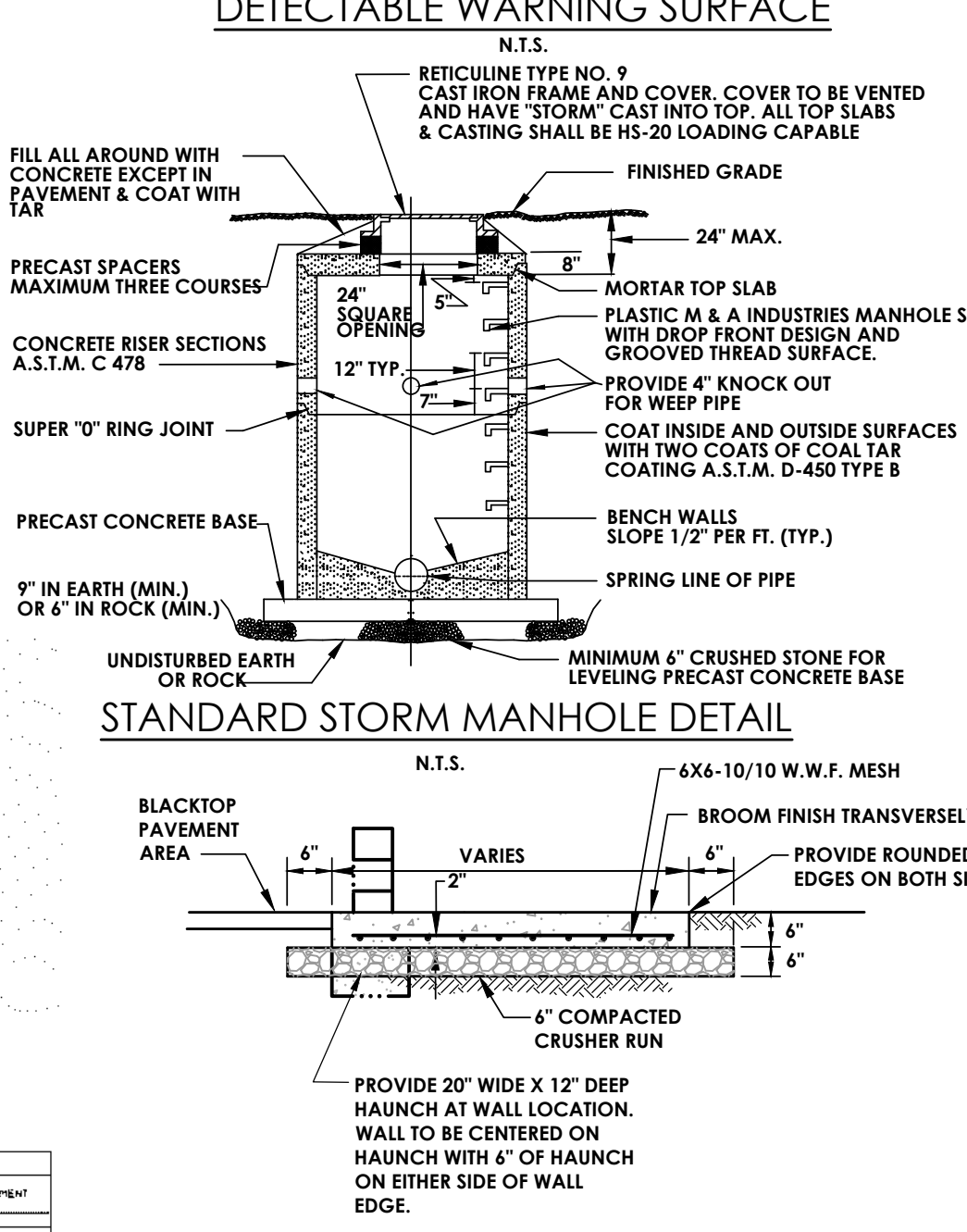
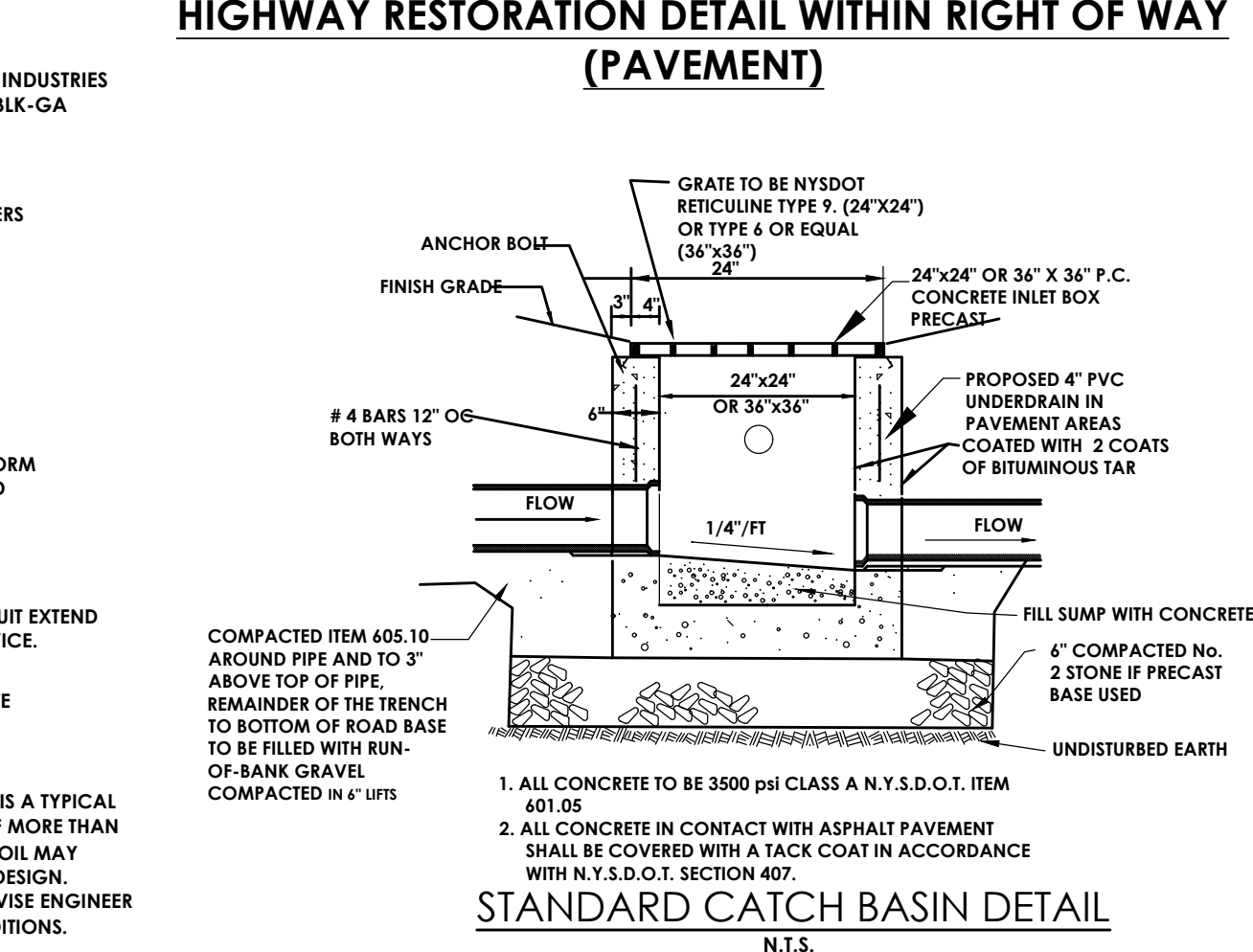
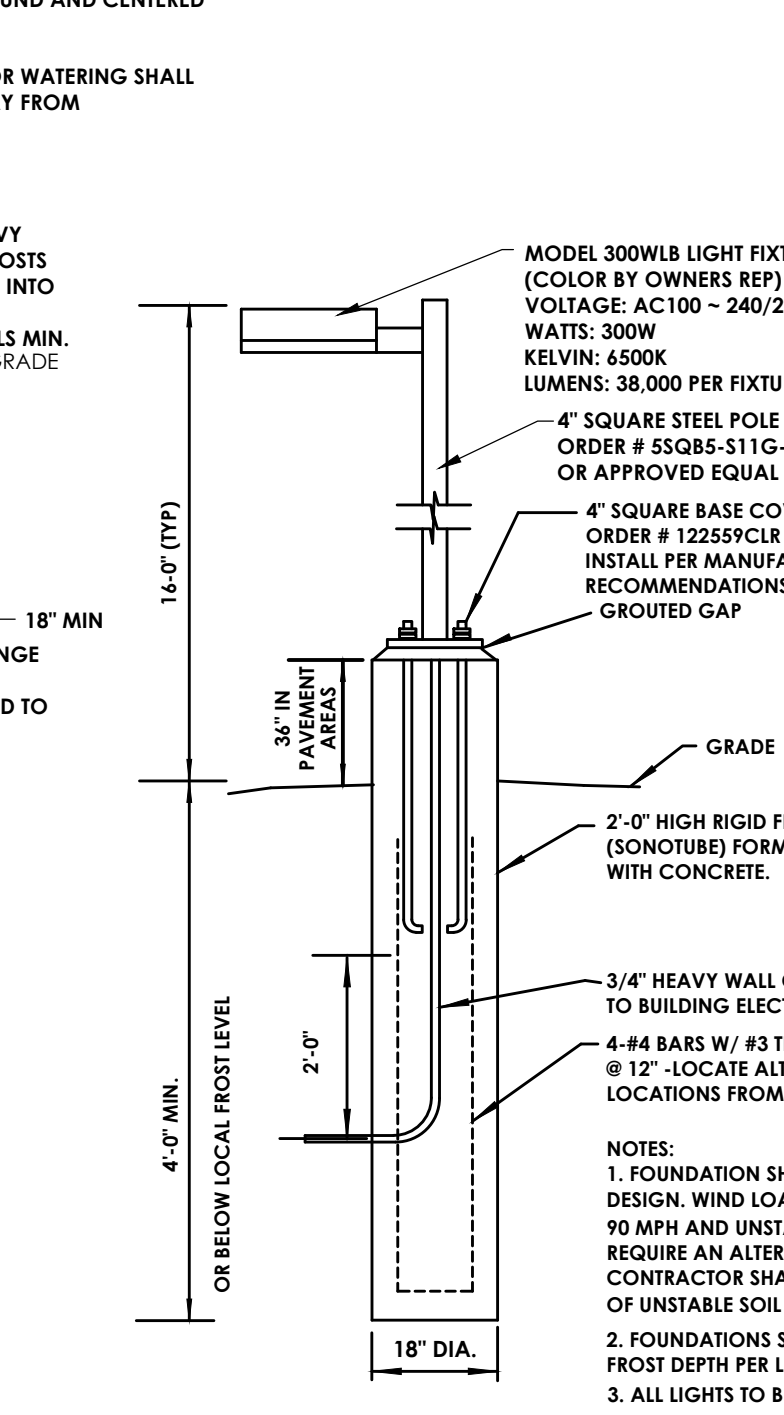
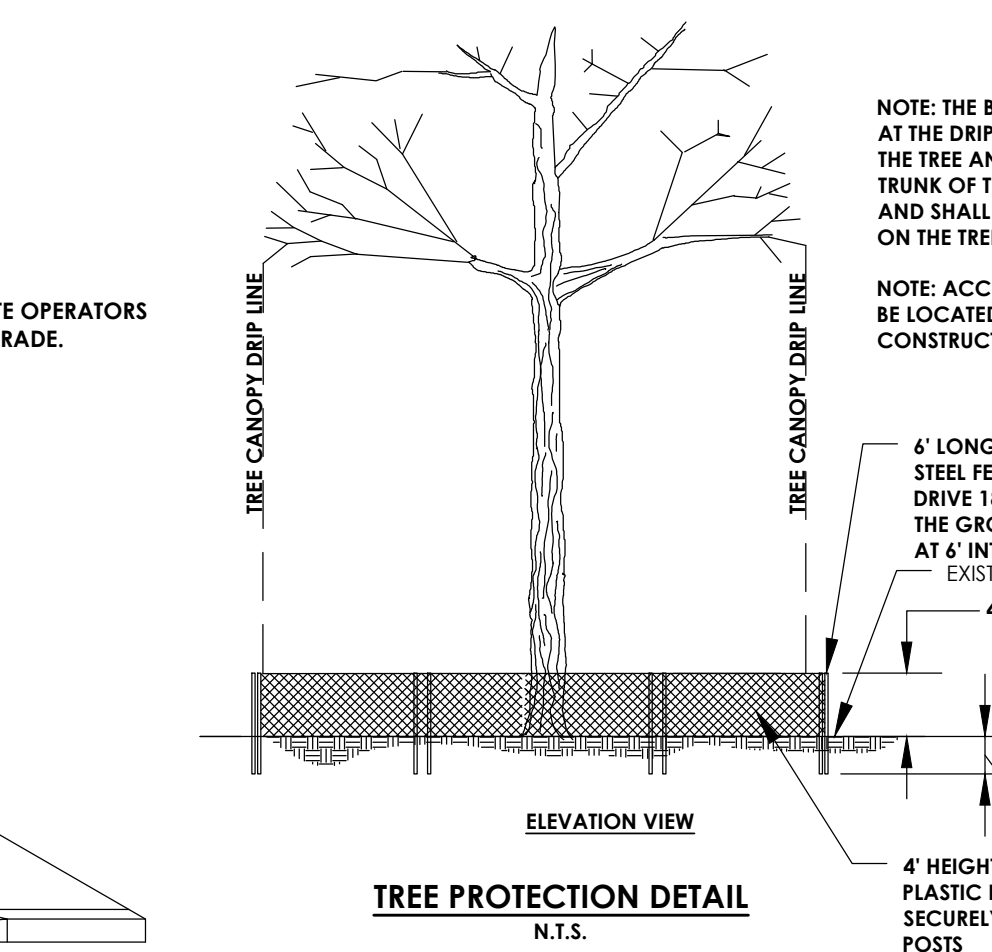
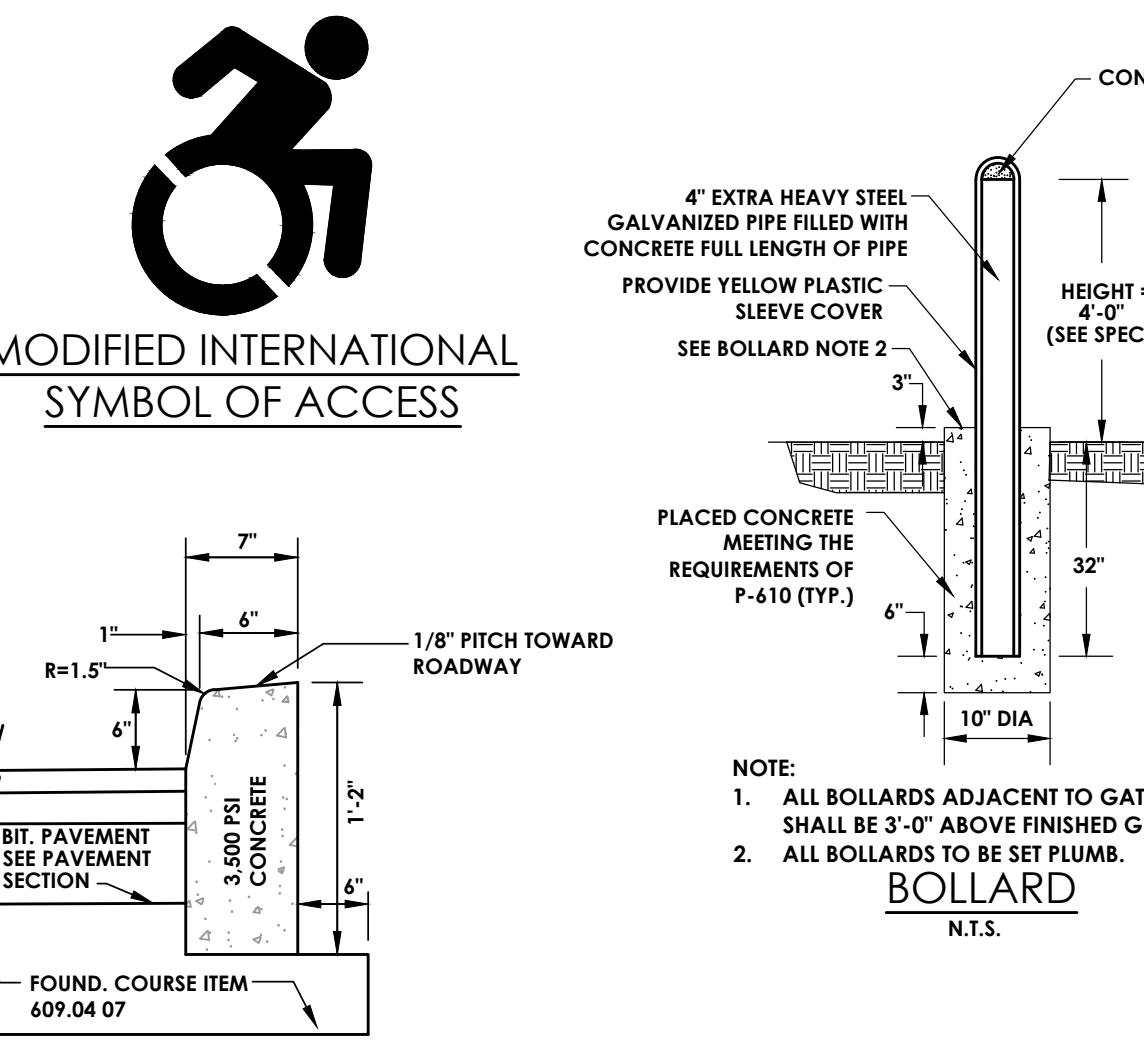
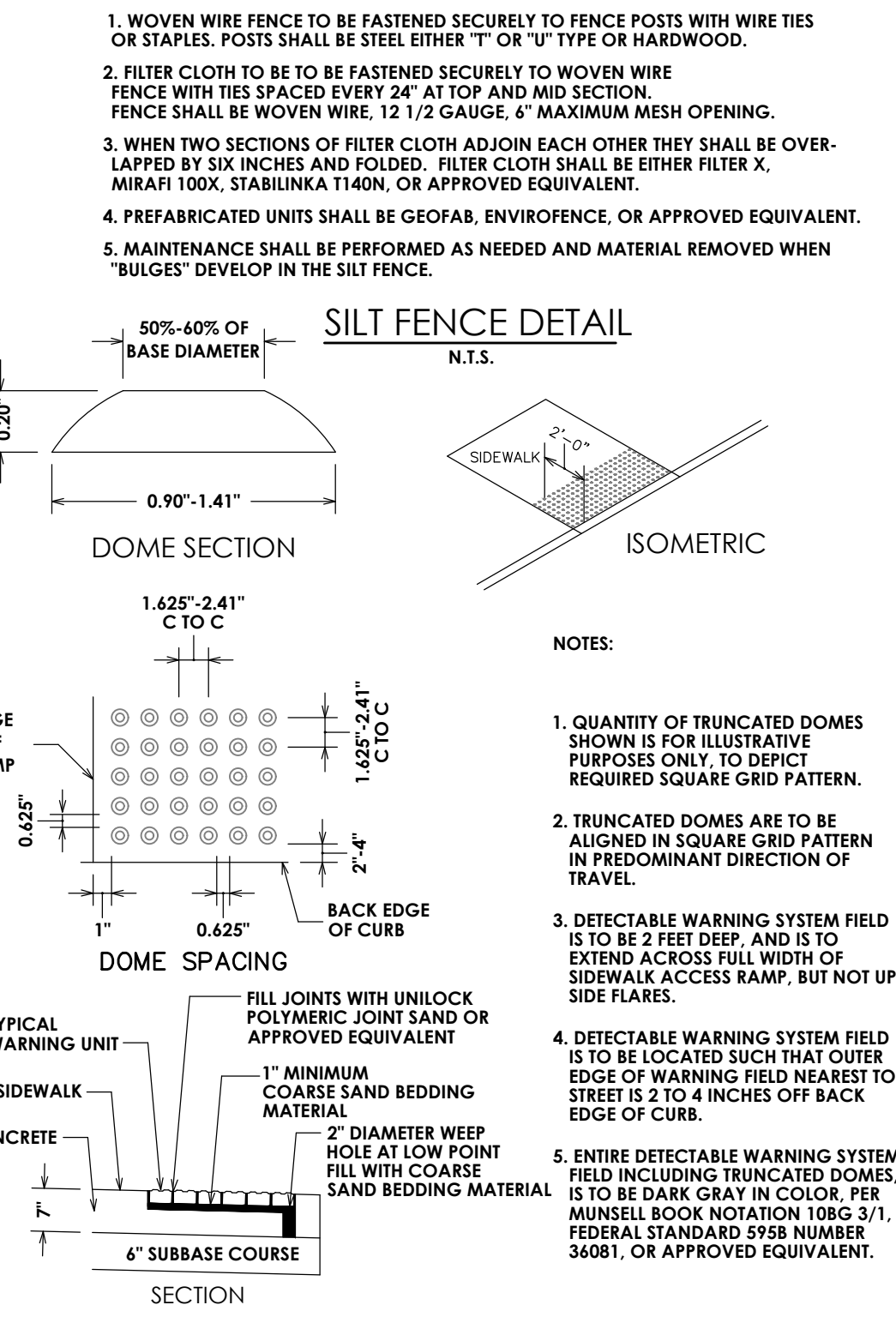
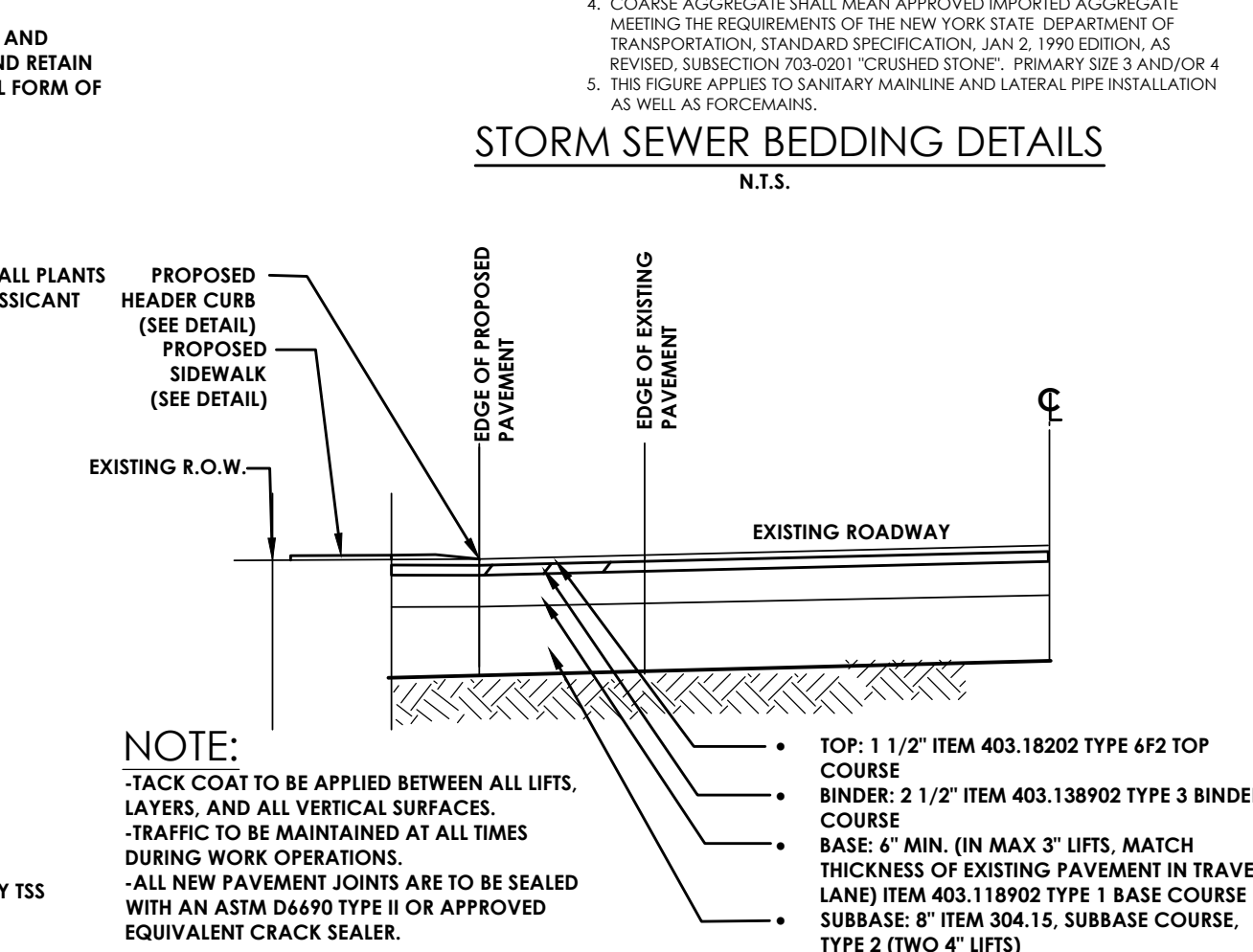
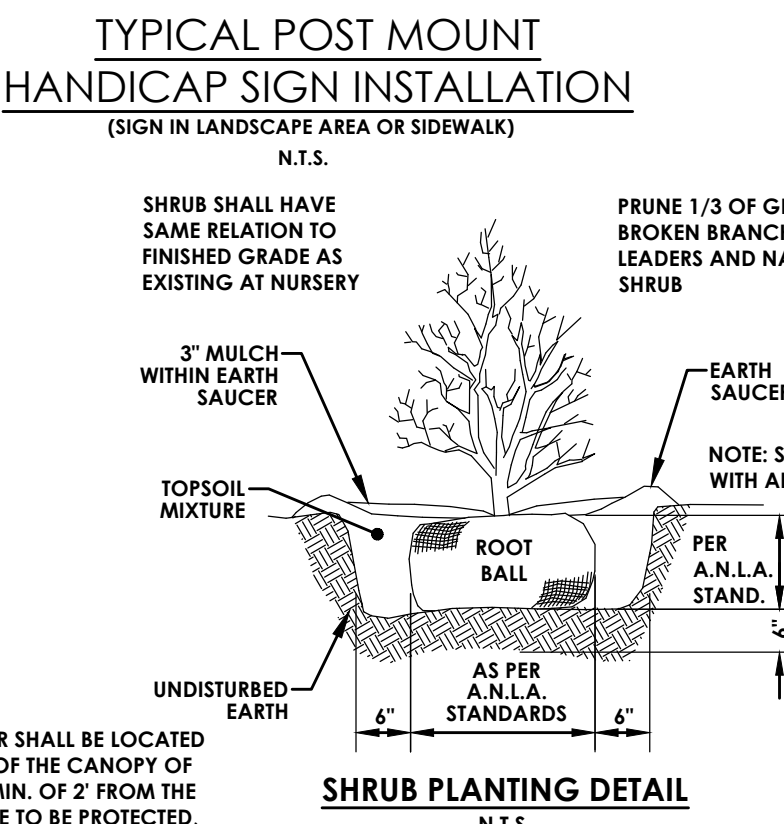
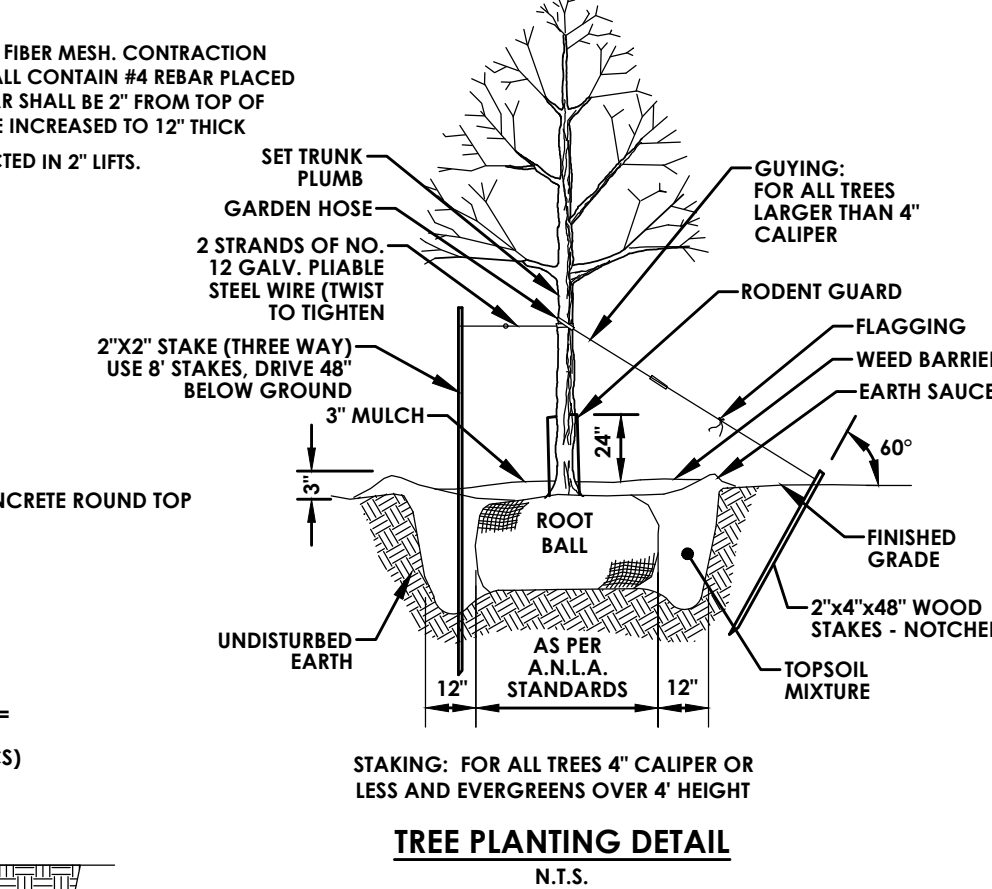
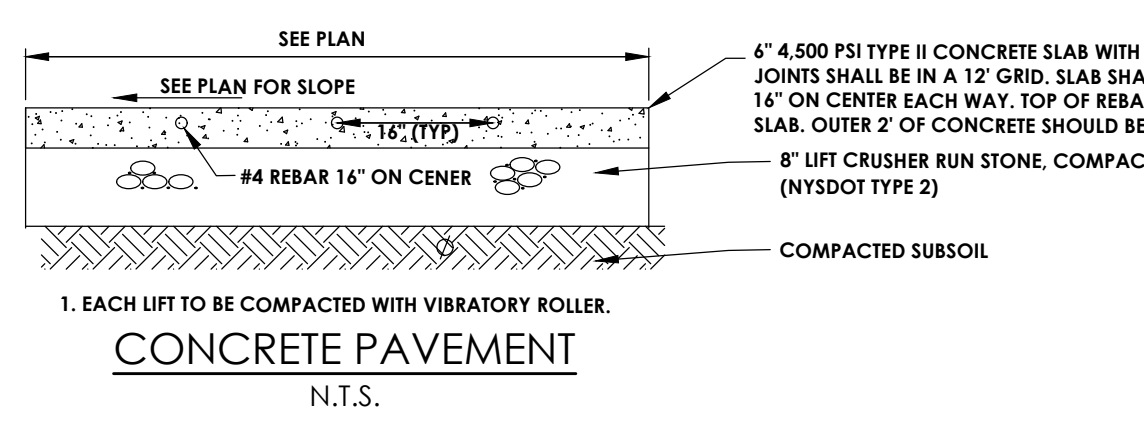
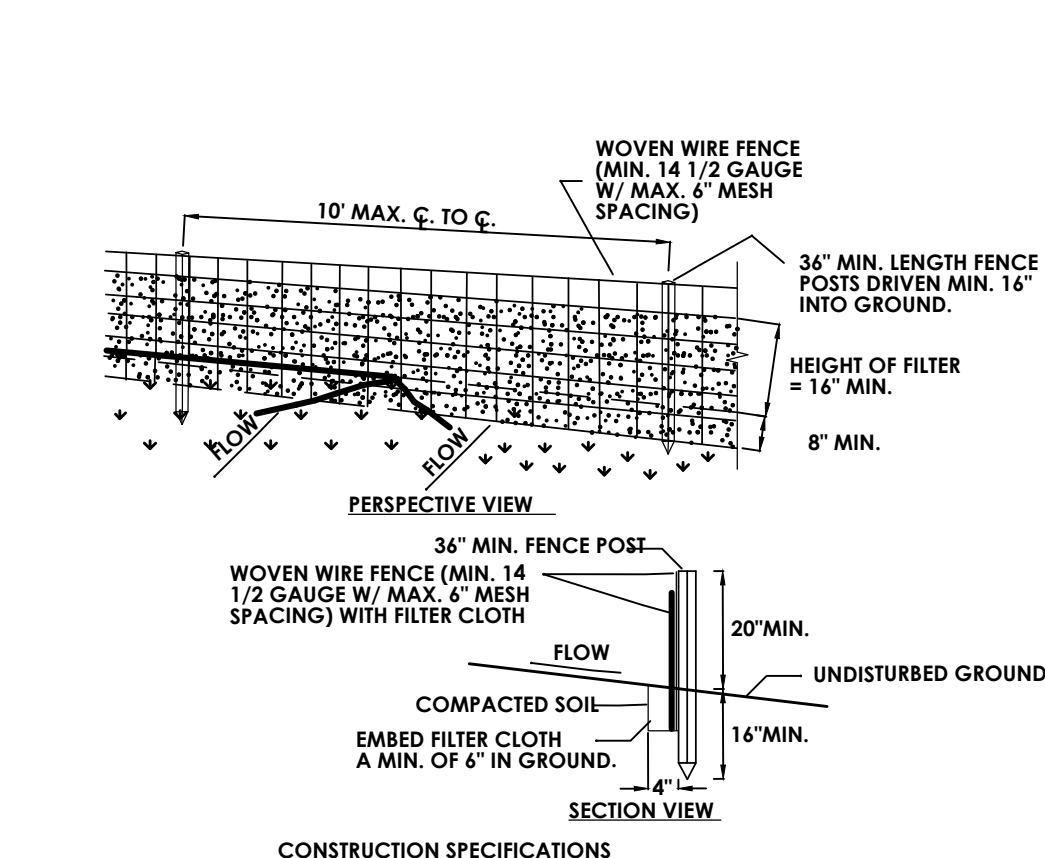
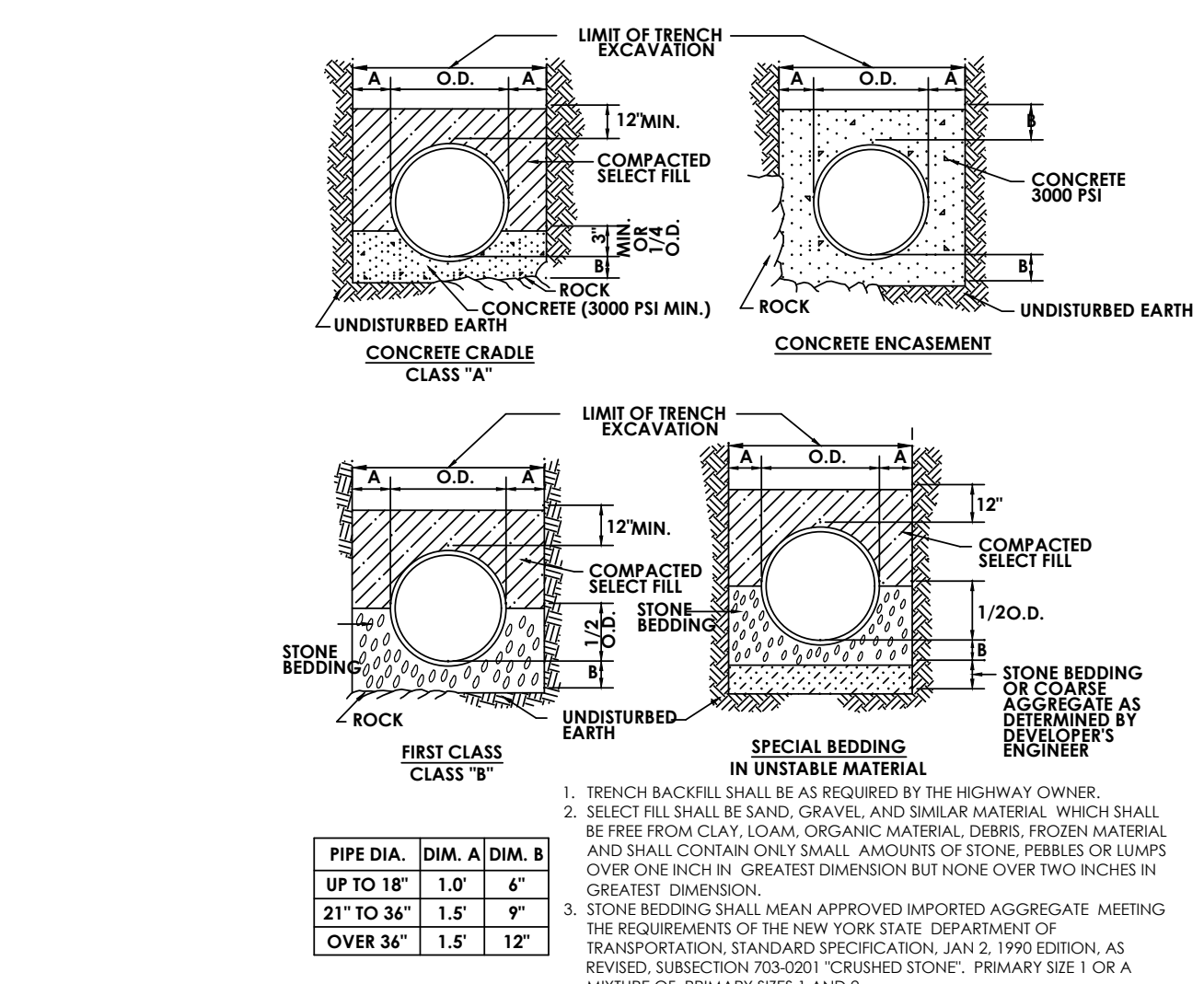
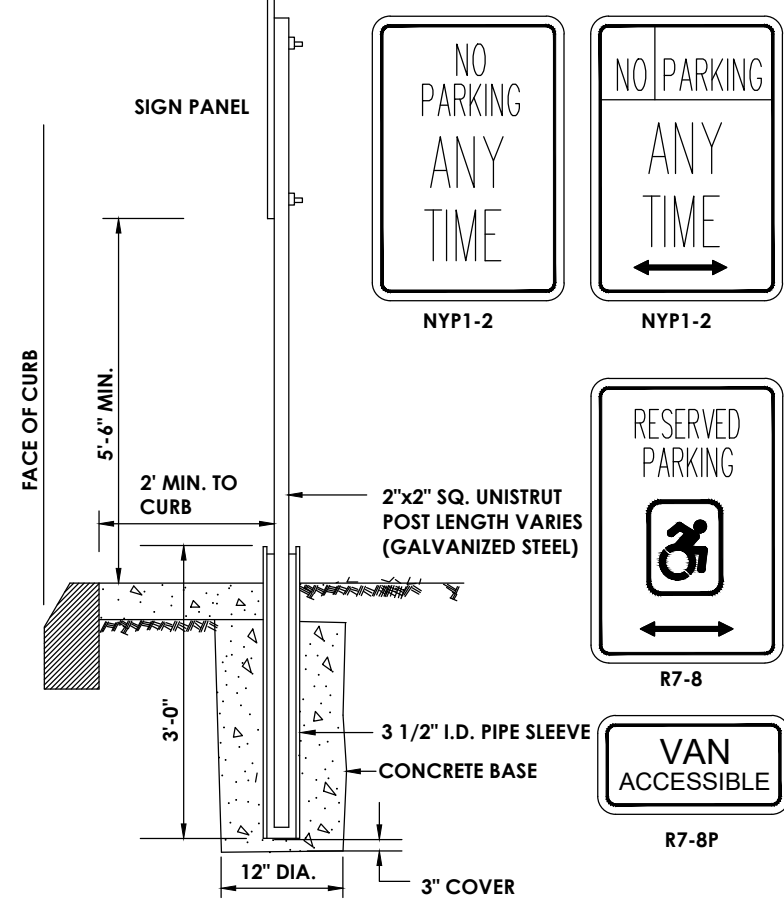
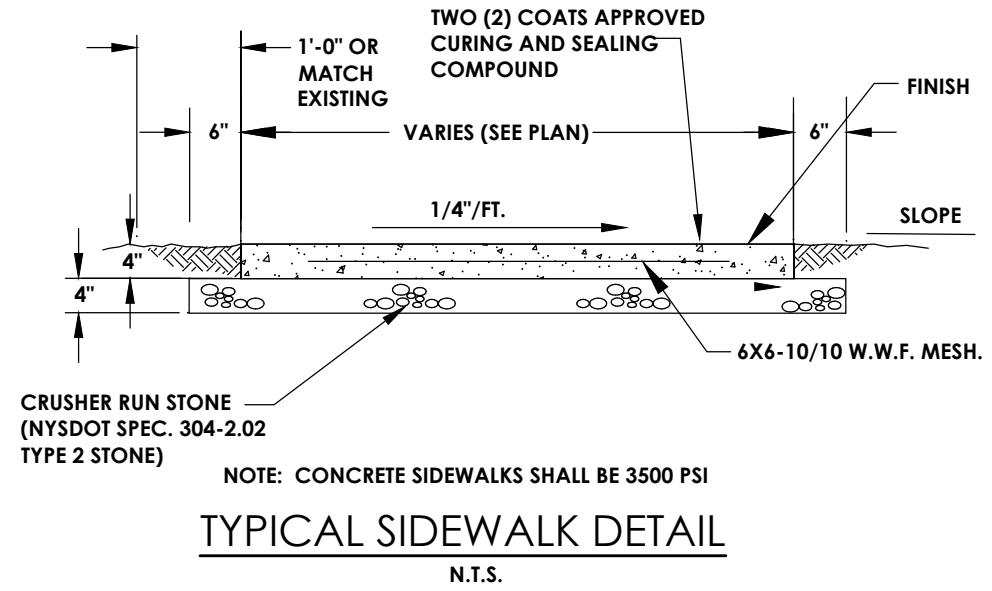
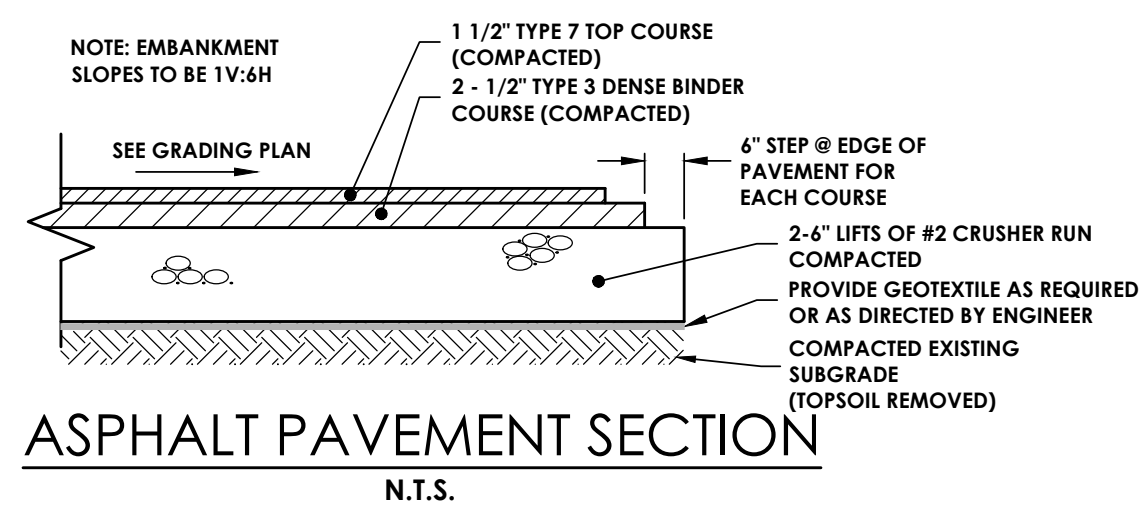
- ROAD PAVEMENT, SHOULDER AND DRAINAGE ARE NOT TO BE DISTURBED OR UNDERMINED UNLESS INDICATED OTHERWISE IN THE PLANS.
- SUITABLE NON-FROZEN, NON SATURATED BACKFILL TO BE USED AND PLACED IN 6" COMPACTED LIFTS.
- PAVEMENT TO BE MAINTAINED UNTIL A PERMANENT REPAIR CAN BE MADE.
- PAVEMENT TO BE REPLACED IN KIND OR AS SPECIFIED ON ATTACHED PLANS.
- ALL DISTURBED GRASS AREAS WITHIN THE R.O.W. ARE TO BE FINE GRADED, 4" TOPSOIL PLACED AND TURF ESTABLISHED.

NOTE

ROAD PLATES SHALL NOT BE USED DURING THE ASHOW AND ICE SEASON @ (NOVEMBER 1ST THROUGH APRIL 1ST).

DURING THE MONTHS OF OCTOBER AND APRIL, CALL THE WORK AREA JURISDICTIONAL N.Y.S.D.O.T. TRANSPORTATION MAINTENANCE RESIDENCY WITH PLATE LOCATIONS. ROAD PLATES SHALL BE PINNED AND RAMPED. A "STEEL PLATE AHEAD" SIGN (W8-24) SHALL BE INSTALLED IN ADVANCE OF THE PLATE IN ACCORDANCE WITH TABLE NY6H-3 ON STANDARD SHEET 619-1.1. IF THE SURFACE OF THE PLATE IS 1" OR GREATER ABOVE/BELOW THE SURROUNDING PAVEMENT, A "BUMPS" SIGN (W8-1) SHALL BE INSTALLED BETWEEN THE PLATE AND "STEEL PLATE AHEAD" SIGN IN ACCORDANCE WITH TABLE NY6H-3 ON STANDARD SHEET 619-1.1 AND A BARREL WITH A TYPE A FLASHER SHALL BE PLACED ON THE SHOULDER AT THE PLATE.

WINTER ASPHALT PAVEMENT AND SHOULDER RESTORATION



Client:
ROYAL WASH DEVELOPMENT, LLC
2851 MONROE AVENUE
ROCHESTER, NY 14618

Principal-in-Charge: Jess Sudol, PE
Project Manager: David Cox, PE
Designed by: Carole Harvey



No.	Date	By	Description
1			

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DETAILS

CAR WASH

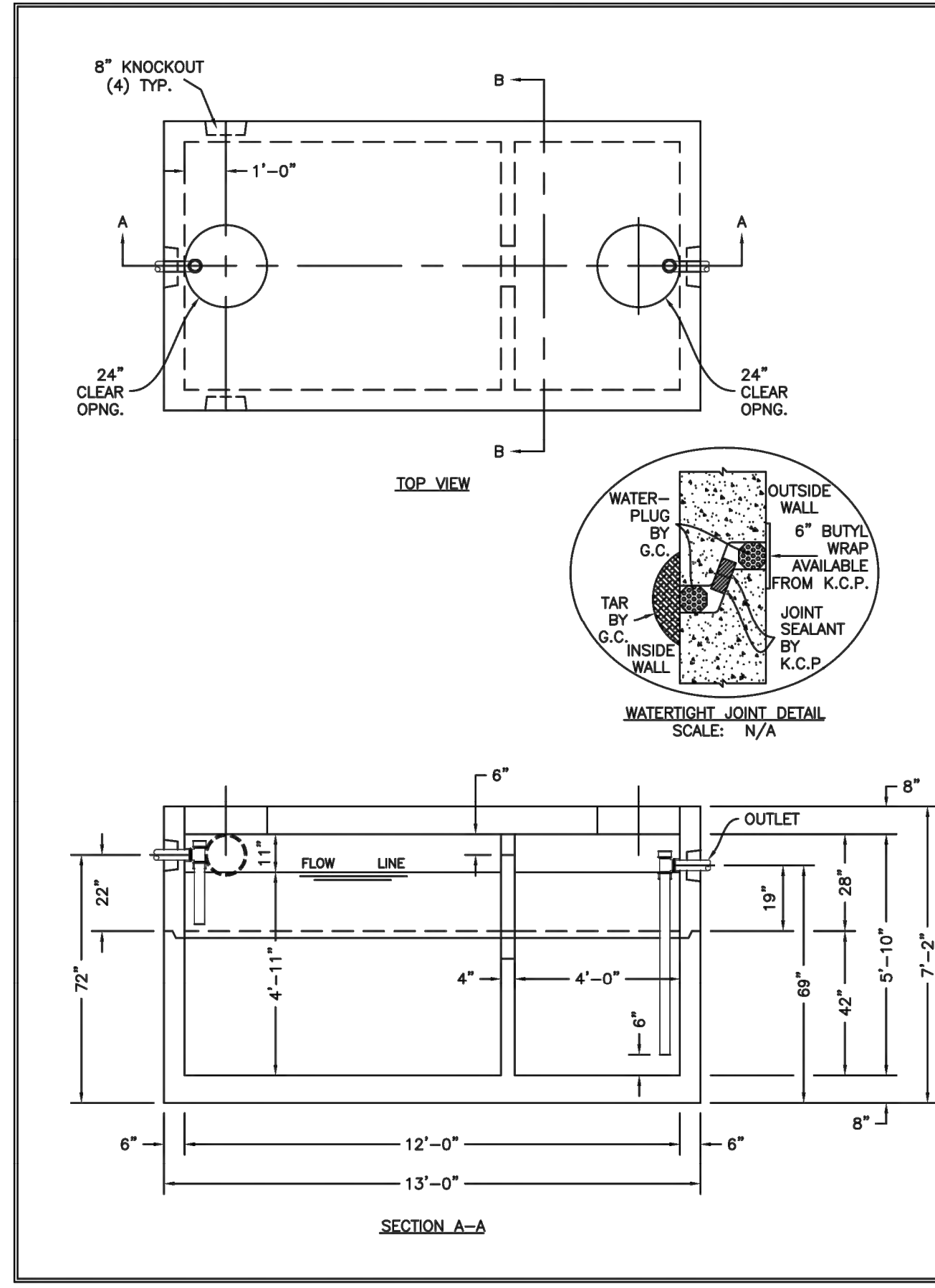
Town/City: DEPEW
County: ERIE State: NEW YORK

Project No.: **20223306.0001**

Drawing No.: **C 202** Sheet No.: **8**

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

Date: **JUNE 2022**



SP-7A SPECIFICATIONS:
 CONCRETE: 5,000 P.S.I. @ 28 DAYS.
 ENTRAINED AIR: 5% - 8%
 STEEL: A.S.T.M. A496-A615 GRADE 60-80 KSI.
DESIGN LOADING: ACI 318-99 TRAFFIC. USE ACI LOAD FACTORS. A.A.S.H.T.O. METHOD OF DESIGN. EQUIVALENT SOIL PRESSURE OF 40 (PCF).

LIVE LOAD: H20.
EARTH FILL: 0 TO 6'.
WATER TABLE: 3' BELOW GRADE.

WEIGHT: TOP SECTION: 16,712 LBS.
 BOTTOM SECTION: 22,000 LBS.
TOTAL: 38,712 LBS.

PIPING: TEES, DROP LEGS & FITTINGS SUPPLIED AND INSTALLED BY G.C.
 WATERTIGHT ASSEMBLY IS THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR. ASK FOR KISTNER "WATERTIGHT JOINT INSTALLATION" DETAIL.

- PIPE OPENINGS STOCK:**
- PIPE SEALS REQUIRED
 - 4" PVC - OPENING WITH SEAL - STOCK
 - 6" PVC - OPENING STOCK - SEAL TO BE INSTALLED
 - 8" PVC - OPENING STOCK - SEAL TO BE INSTALLED
 - GROUDED 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

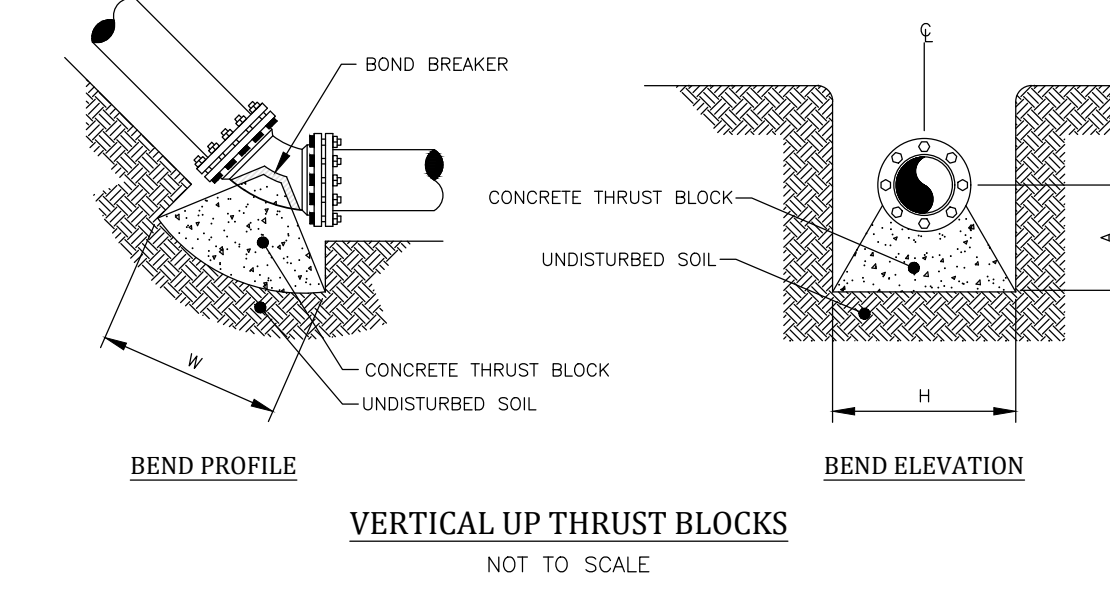
KISTNER CONCRETE
 8713 FIELD ROAD
 LEBANON, N.J.
 (716) 883-1287
PRODUCT DESIGNATION
2500 GAL. OIL SEPARATOR - TRAFFIC
DWG. NO.
OS-02500T
 9/7/12

2,500 GALLON OIL WATER SEPARATOR

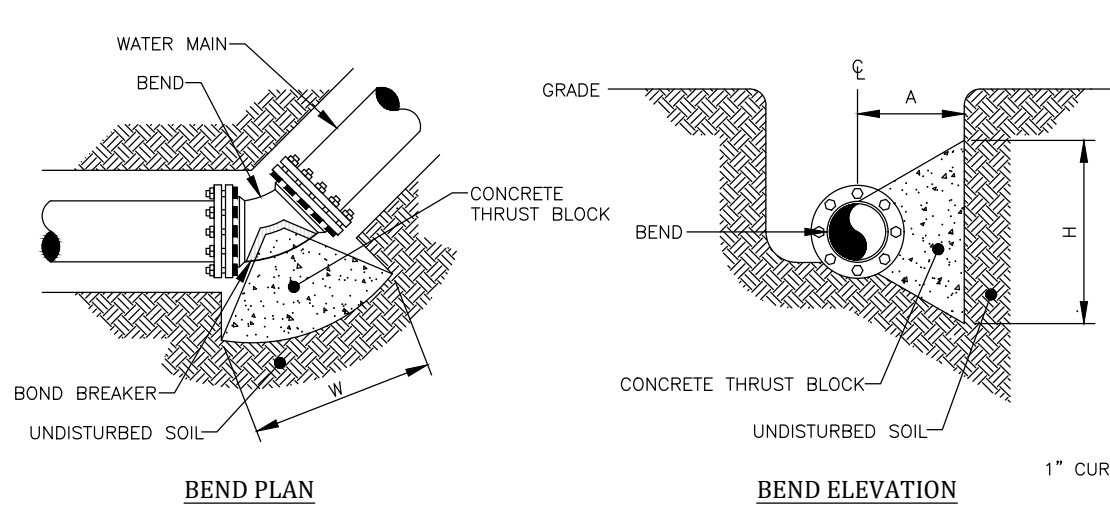
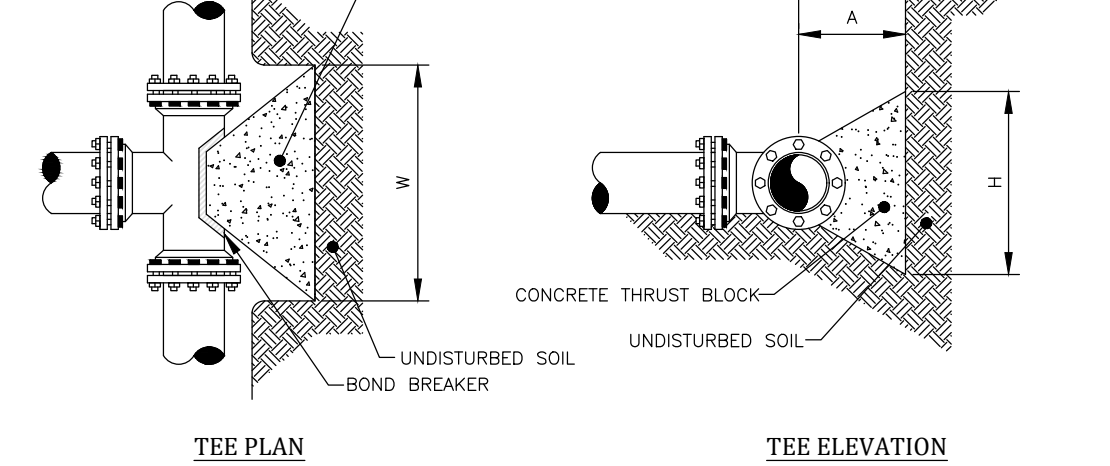
PIPE DIAMETER	BEND OR FITTING														
	1 1/2 DEGREE			2 1/2 DEGREE			45 DEGREE			90 DEGREE			TEE* CAP OR PLUG		
	H (FT)	W (FT)	A (FT)	H (FT)	W (FT)	A (FT)	H (FT)	W (FT)	A (FT)	H (FT)	W (FT)	A (FT)			
4"	0.5	1.0	0.7	0.7	1.5	0.7	1.0	2.0	1.0	1.5	3.0	1.2	1.2	2.5	1.0

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

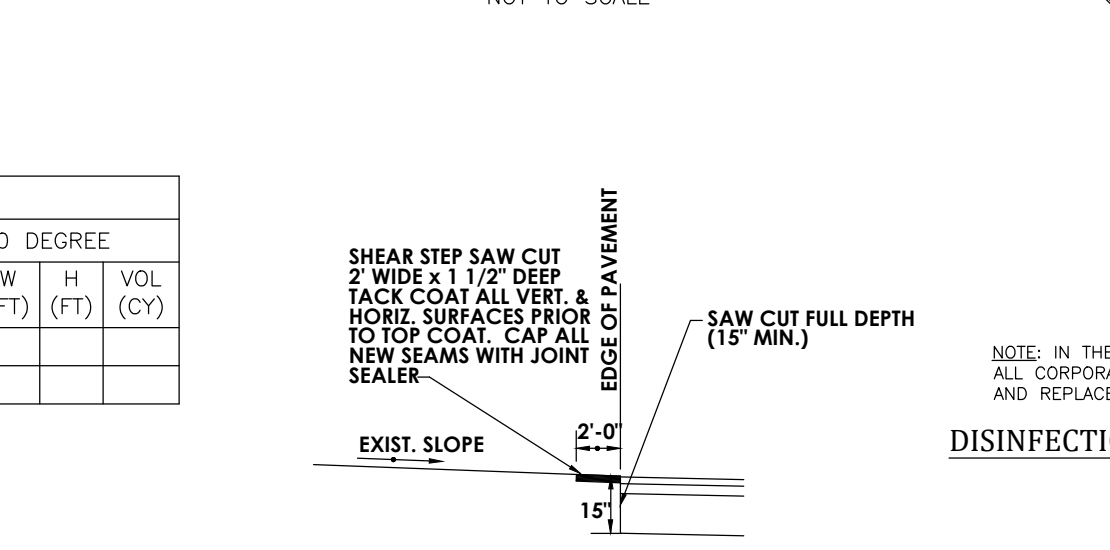
HORIZONTAL AND VERTICAL UP THRUST BLOCKS



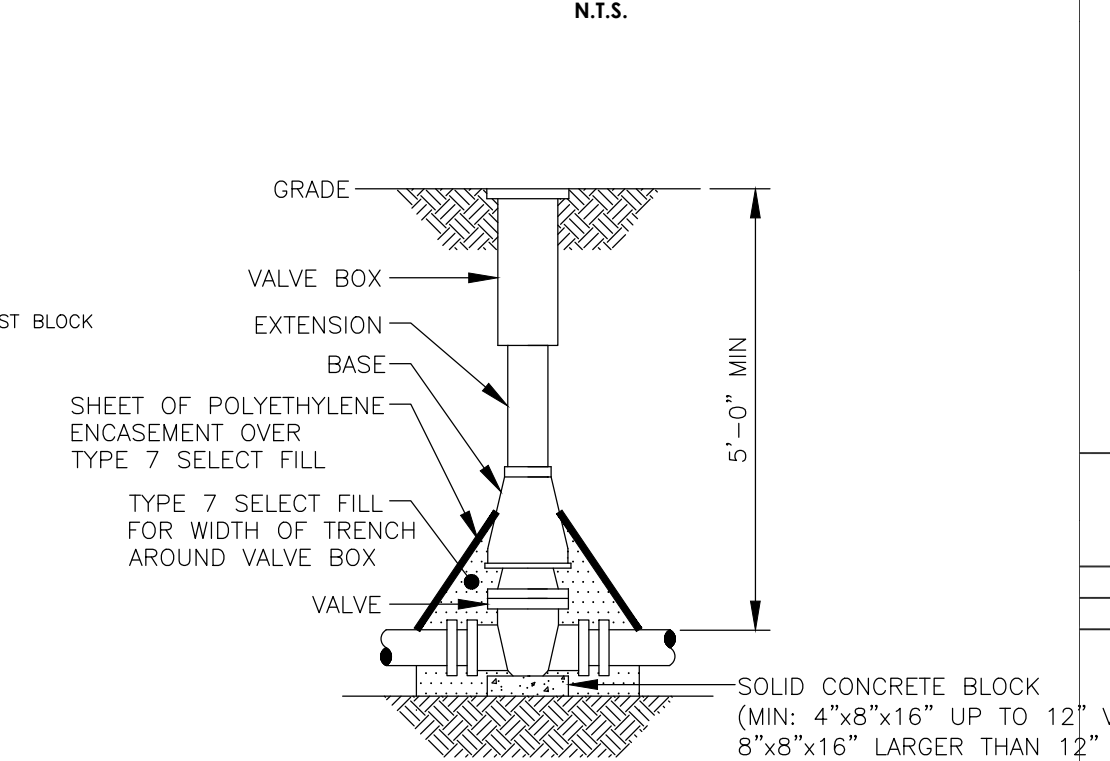
VERTICAL UP THRUST BLOCKS NOT TO SCALE



HORIZONTAL THRUST BLOCKS NOT TO SCALE

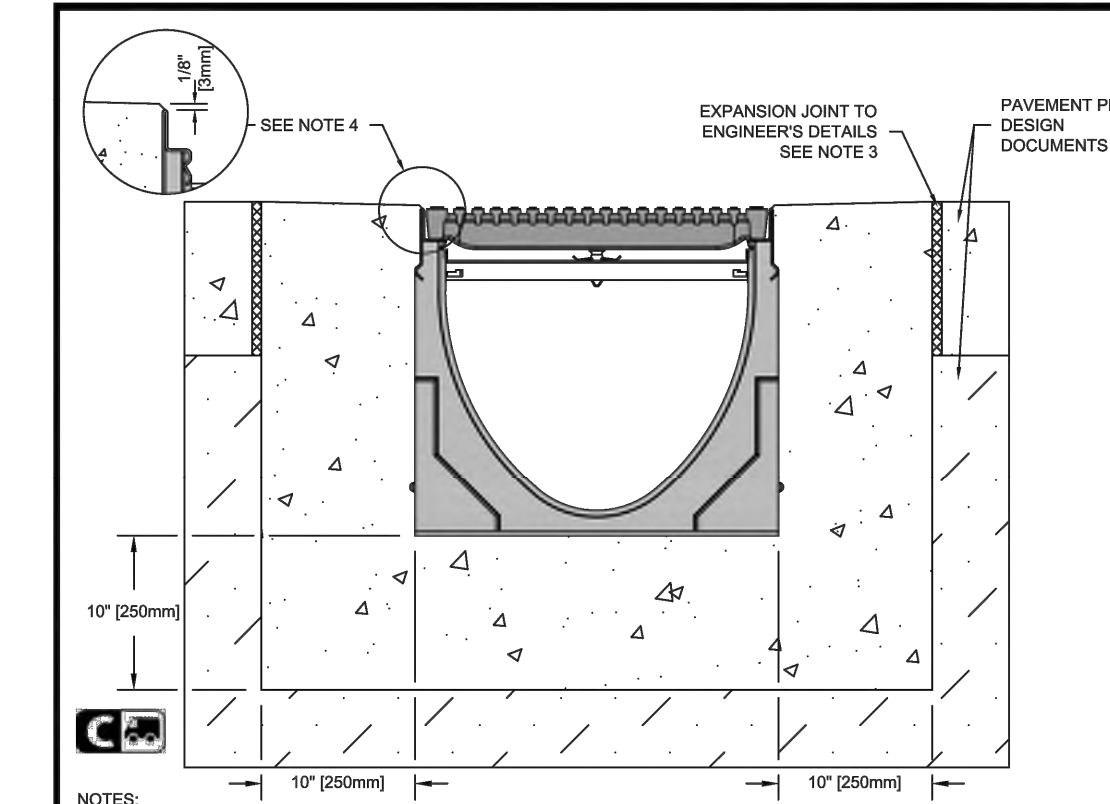


PAVEMENT KEY DETAIL (FOR CONNECTION TO EXISTING PAVEMENT) N.T.S.



NOTES:

- VALVE BOX SHALL BE CENTERED ON VALVE AND SET ON COMPACTED BACKFILL.
- VALVE SHALL NOT SUPPORT VALVE BOX.
- ALL VALVES SHALL BE OPEN LEFT EXCEPT: TOWN OF WEBSTER - VALVES 12" AND SMALLER SHALL OPEN RIGHT. TOWN OF HENRIETTA - SHALL OPEN RIGHT.



K300 KLASIKDRAIN - LOAD CLASS C

GENERAL: THE SURFACE DRAINAGE SYSTEM SHALL BE POLYMER CONCRETE K300 CHANNEL SYSTEM WITH GALVANIZED STEEL EDGE RAILS AS MANUFACTURED BY ACO POLYMER PRODUCTS, INC.

MATERIALS: CHANNELS SHALL BE MANUFACTURED FROM POLYESTER RESIN POLYMER CONCRETE WITH AN INTEGRALLY CAST-IN GALVANIZED STEEL EDGE RAIL. MINIMUM PROPERTIES OF POLYMER CONCRETE WILL BE AS FOLLOWS:

COMPRESSIVE STRENGTH:	14,000 PSI
FLEXURAL STRENGTH:	4,000 PSI
TENSILE STRENGTH:	1,500 PSI
WATER ABSORPTION:	0.07%
FROST PROOF:	YES
DILUTE ACID AND ALKALI RESISTANT:	YES
#17 SALT SPRAY TEST COMPLIANT:	YES

THE SYSTEM SHALL BE 12" (300mm) NOMINAL INTERNAL WIDTH WITH A 14.2" (360mm) OVERALL WIDTH AND A BUILT-IN SLOPE OF 0.5%. CHANNEL INVERT SHALL HAVE DEVELOPED "M" SHAPE. ALL CHANNELS SHALL BE INTERLOCKING WITH A MALE/FEMALE JOINT.

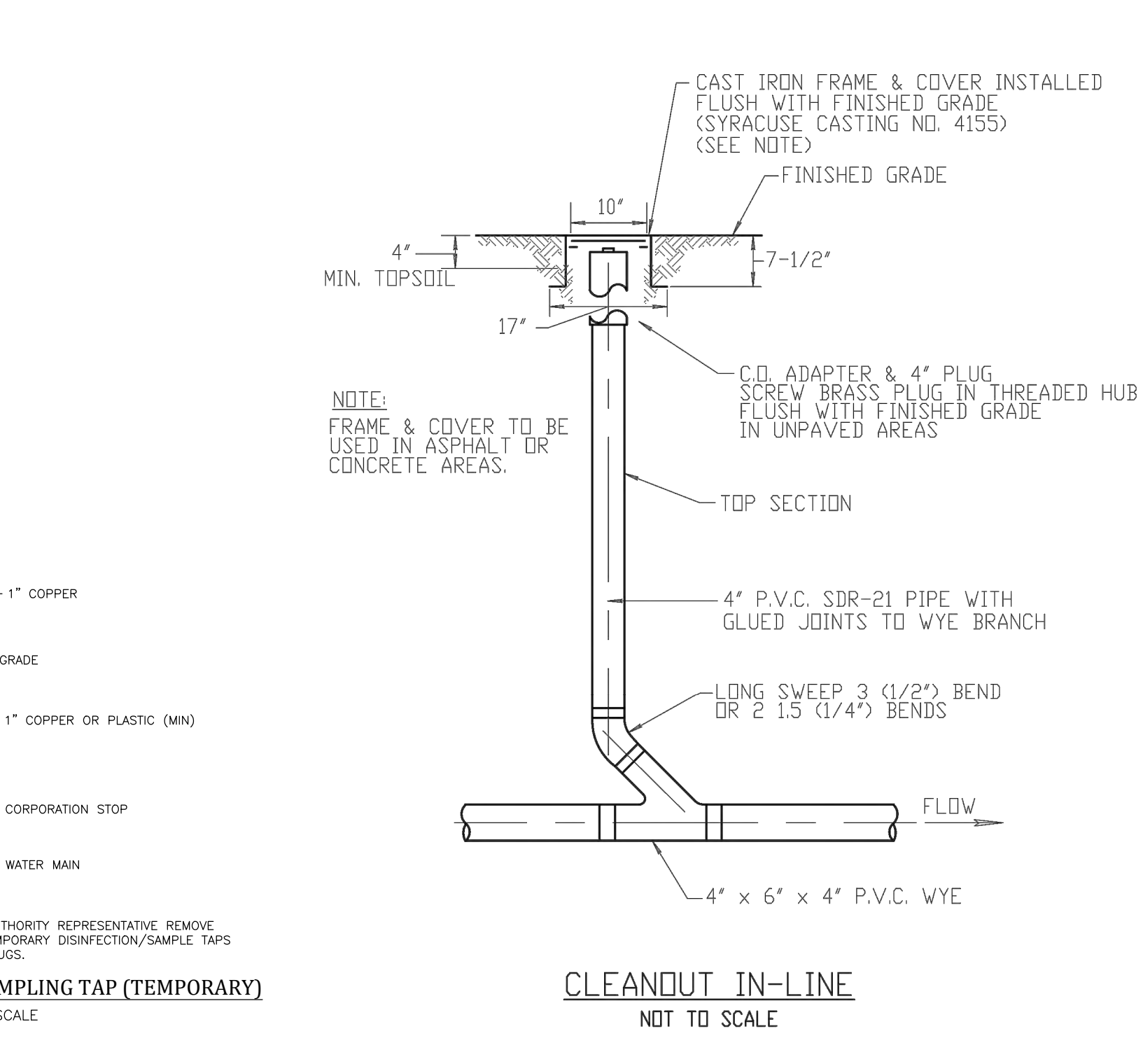
THE COMPLETE DRAINAGE SYSTEM SHALL BE BY ACO POLYMER PRODUCTS, INC. ANY DEVIATION OR PARTIAL SYSTEM DESIGN AND/OR IMPROPER INSTALLATION WILL VOID ANY AND ALL WARRANTIES PROVIDED BY ACO POLYMER PRODUCTS, INC.

CHANNEL SHALL WITHSTAND LOADING TO PROPER LOAD CLASS AS OUTLINED BY EN 1433. GRATE TYPE SHALL BE APPROPRIATE TO MEET THE SYSTEM LOAD CLASS SPECIFIED AND INTENDED APPLICATION. GRATES SHALL BE SECURED USING QUICK-LOCK BOLTS LOCKING SYSTEM. CHANNEL AND GRATE SHALL BE CERTIFIED TO MEET THE SPECIFIED EN 1433 LOAD CLASS. THE SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.

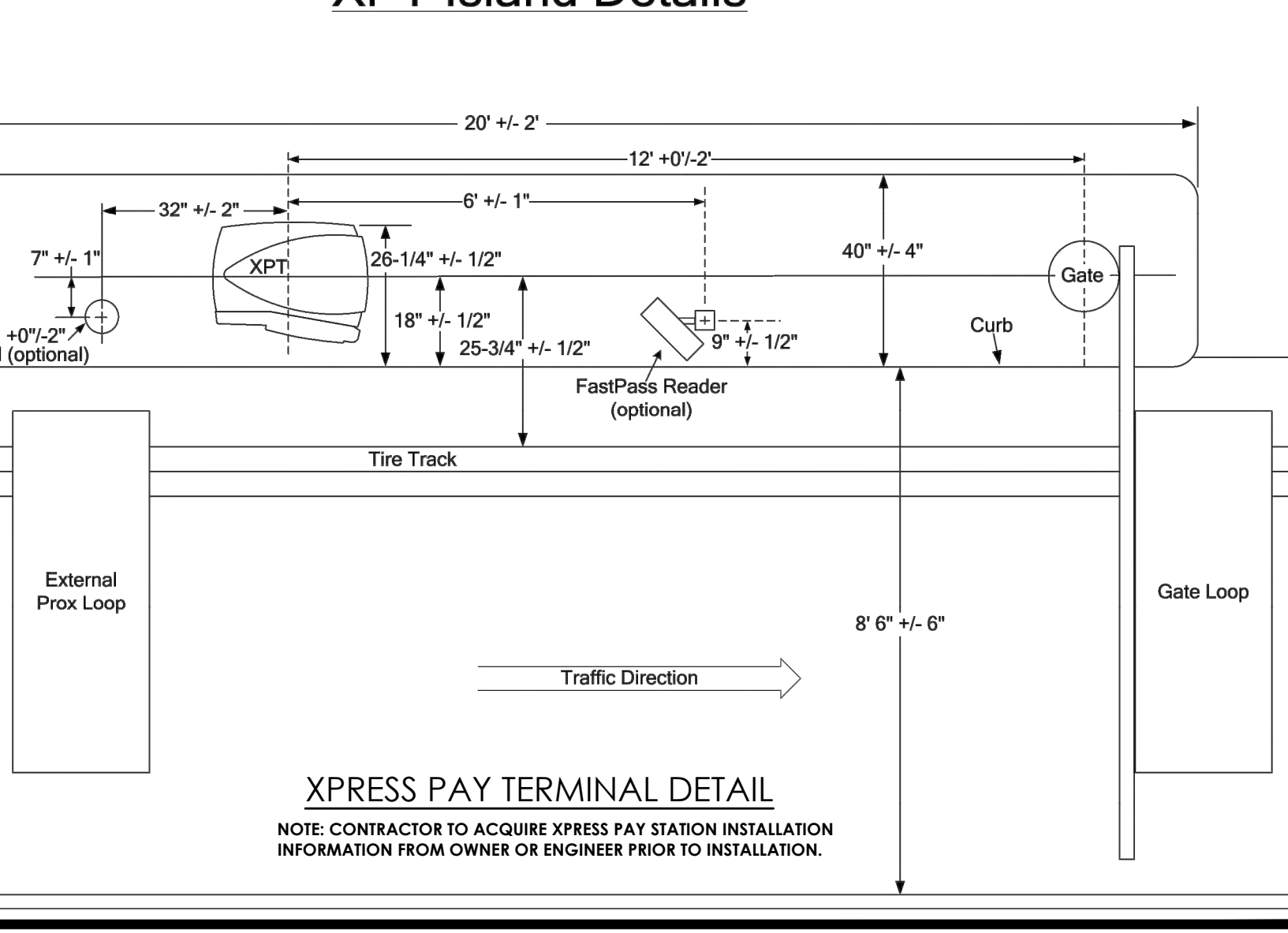
NOTES:

- IT IS NECESSARY TO ENSURE MINIMUM DIMENSIONS SHOWN ARE SUITABLE FOR EXISTING GROUND CONDITIONS. ENGINEERING ADVICE MAY BE REQUIRED.
- MINIMUM CONCRETE STRENGTH OF 4,000 PSI IS RECOMMENDED. CONCRETE SHOULD BE VIBRATED TO ELIMINATE AIR POCKETS.
- EXPANSION AND CONTRACTION CONTROL JOINTS AND REINFORCEMENT ARE RECOMMENDED TO PROTECT CHANNEL AND CONCRETE SURROUND. ENGINEERING ADVICE MAY BE REQUIRED.
- THE FINISHED LEVEL OF THE CONCRETE SURROUND MUST BE APPROX. 1/8" (3mm) ABOVE THE TOP OF THE CHANNEL EDGE.
- CONCRETE BASE THICKNESS SHOULD MATCH SLAB THICKNESS. ENGINEERING ADVICE MAY BE REQUIRED TO DETERMINE PROPER LOAD CLASS.
- REFER TO ACO'S LATEST INSTALLATION INSTRUCTIONS FOR FURTHER DETAILS.

K3-C-ECP
ACO Polymer Products, Inc.
 625 W. Bechtel St. | 8470 Phoenix Dr. | 4211 Pleasant Rd.
 Cass Grove, IL 60122 | Mentor, OH 44060 | Fort Mill, SC 29708
 Tel: 420-421-9888 | Tel: 440-639-7230 | Tel: 440-639-7230
 Fax: 520-421-9899 | Fax: 440-639-7230 | Fax: 903-902-1062
 Arizona Tel: 888-490-9552 | e-mail: sales@acousa.com | Ohio Tel: 800-543-4764 | www.acousa.com | South Carolina Tel: 800-543-4764



CLEANOUT IN-LINE NOT TO SCALE



XPT Island Details

XPRESS PAY TERMINAL DETAIL
 NOTE: CONTRACTOR TO ACQUIRE XPRESS PAY STATION INSTALLATION INFORMATION FROM OWNER OR ENGINEER PRIOR TO INSTALLATION.

ALL ROADWAYS

Notes:

- The ROAD WORK AHEAD Sign may be replaced with other appropriate signs such as the SHOULDER WORK sign. The SHOULDER WORK sign may be used for work adjacent to the shoulder.
- The ROAD WORK AHEAD sign may be omitted where: The work space is behind a barrier or guide rail, or more than 2 FT behind the curb or 15 FT or more from the edge of any roadway.
- In urban conditions, advance warning sign spacing may be reduced to 100 FT. (Min.) in order to accommodate side streets and driveways.

END ROAD WORK
 END ROAD WORK Sign is Optional if work duration is less than 1 Hour

The END ROAD WORK sign shall be located a Maximum distance of 500' (12 Skip Lines) past the work area.

END ROAD WORK
 G20-2 36x18 in. (Conventional Roadway)
 48x24 in. (Freeway/Expressway)

ROAD WORK AHEAD
 W20-1 36x36 in. (Conventional Roadway)
 48x48 in. (Freeway/Expressway)

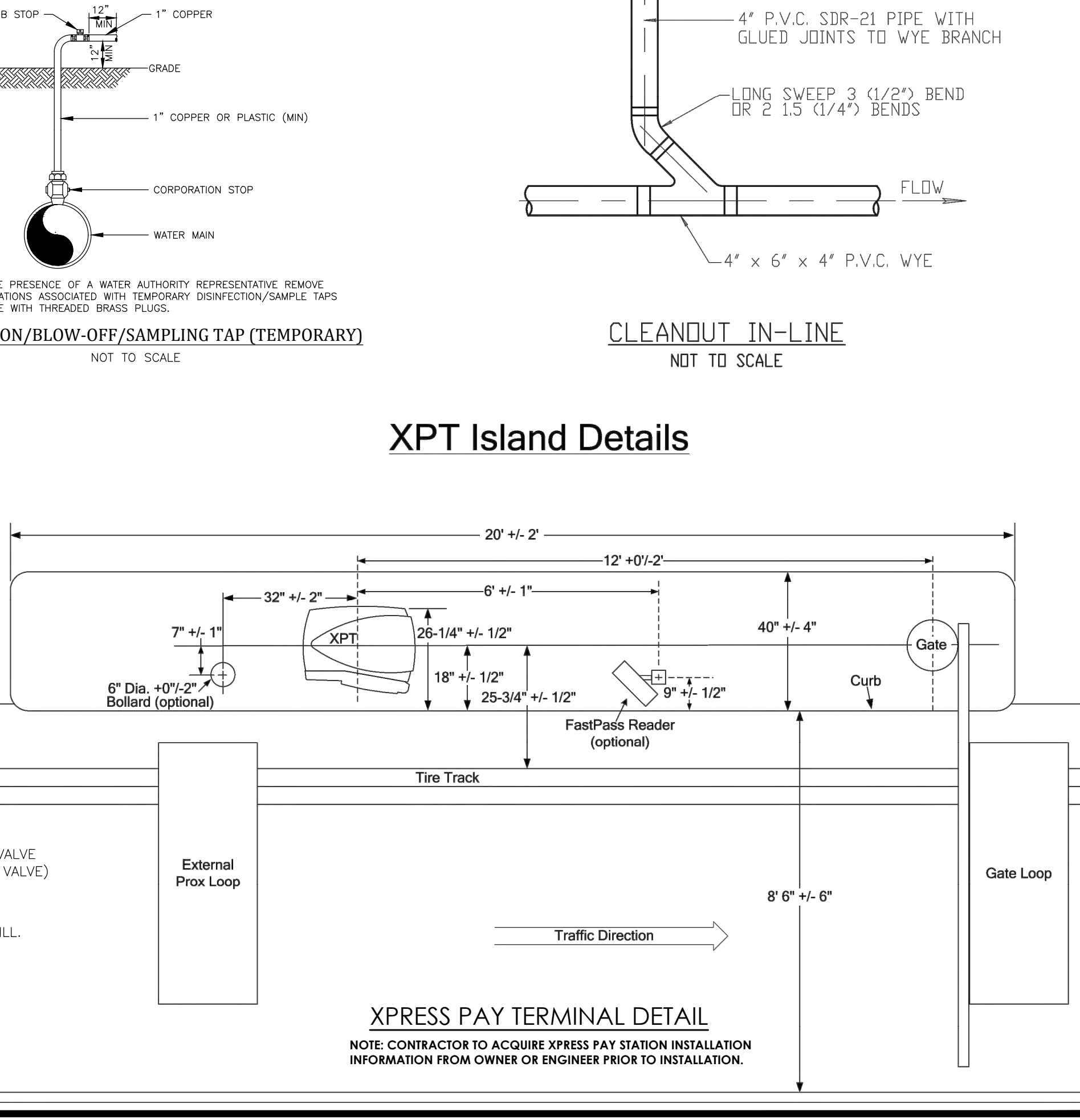
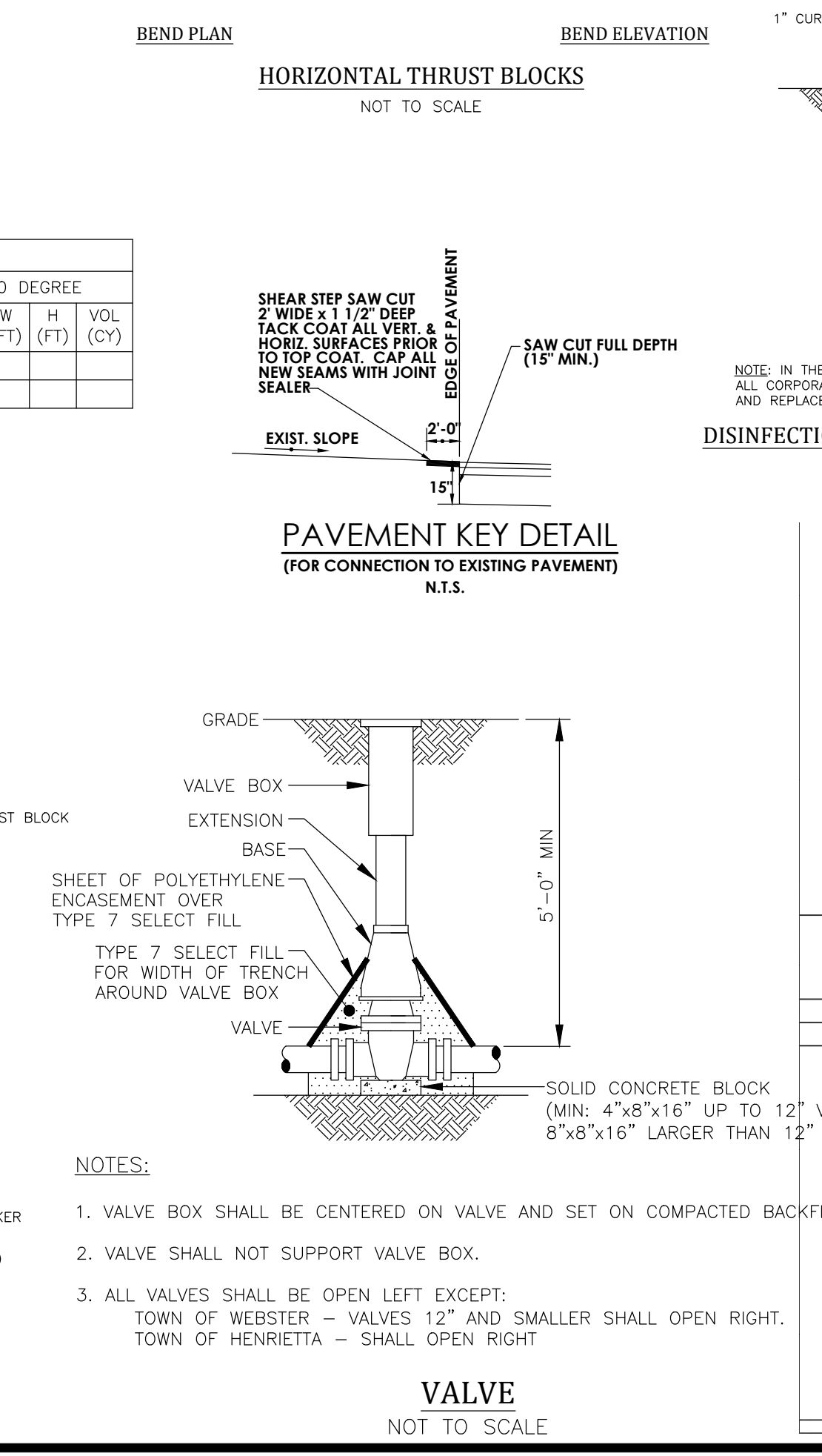
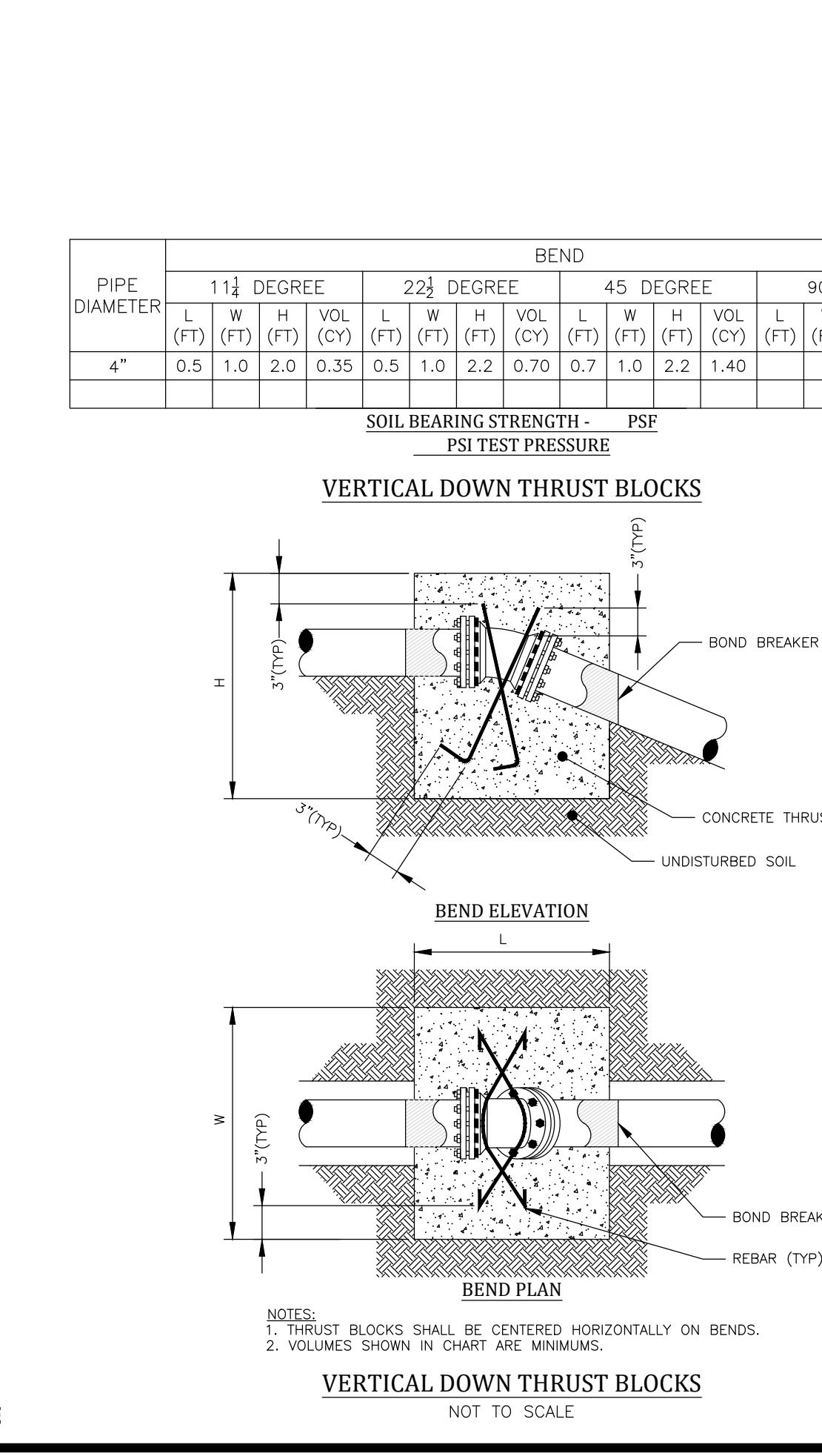
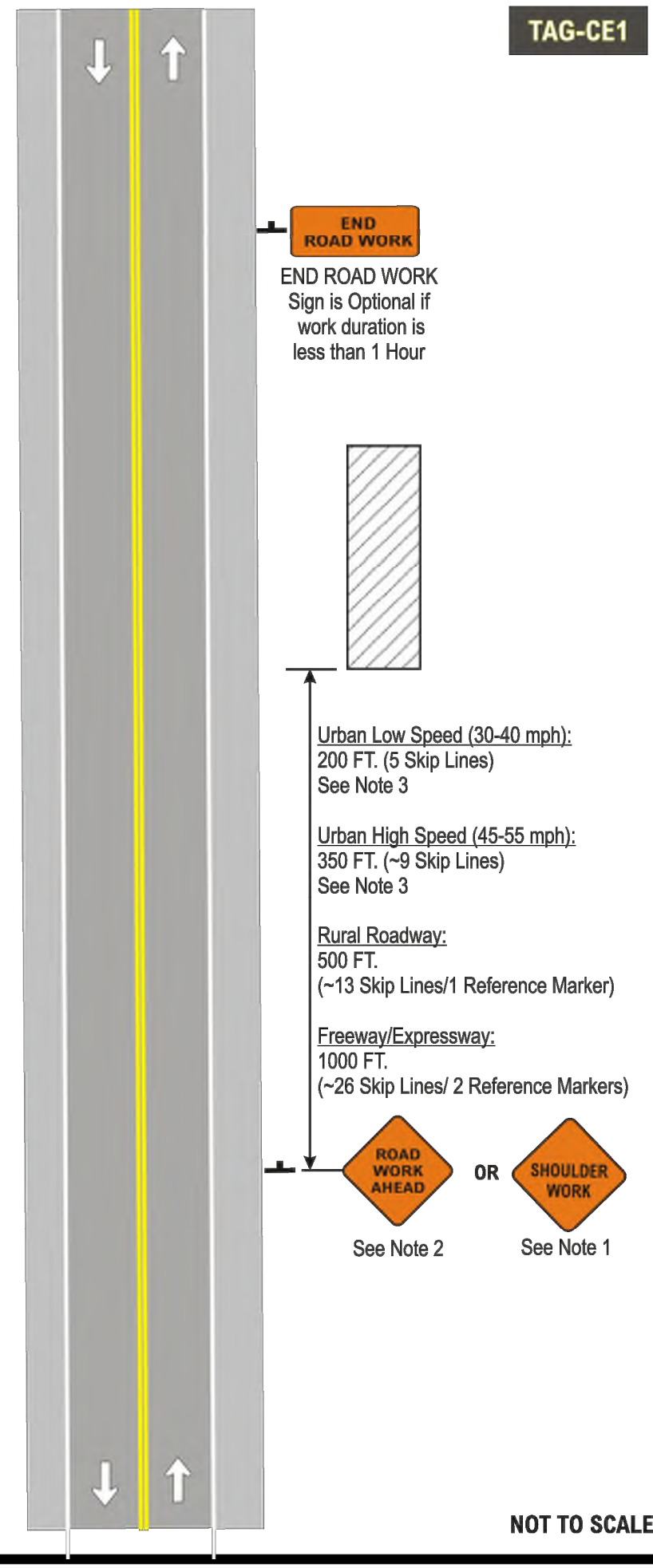
SHOULDER WORK
 W21-5 36x36 in. (Conventional Roadway)
 48x48 in. (Freeway/Expressway)

Work Area

NYSDOT WORK ZONE TRAFFIC CONTROL

ALL DURATION OPERATION INVOLVING WORK BEYOND THE SHOULDER ON ALL ROADWAY TYPES

OCTOBER 2008 TAG-CE1



PROJECT LOCATION

Village of Depew
 LOCATION SKETCH
 N.T.S.

Client:
 ROYAL WASH DEVELOPMENT, LLC
 2851 MONROE AVENUE
 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 Sudol, PE
 Project Manager: David Cox, PE
 Designed by: Carole Harvey

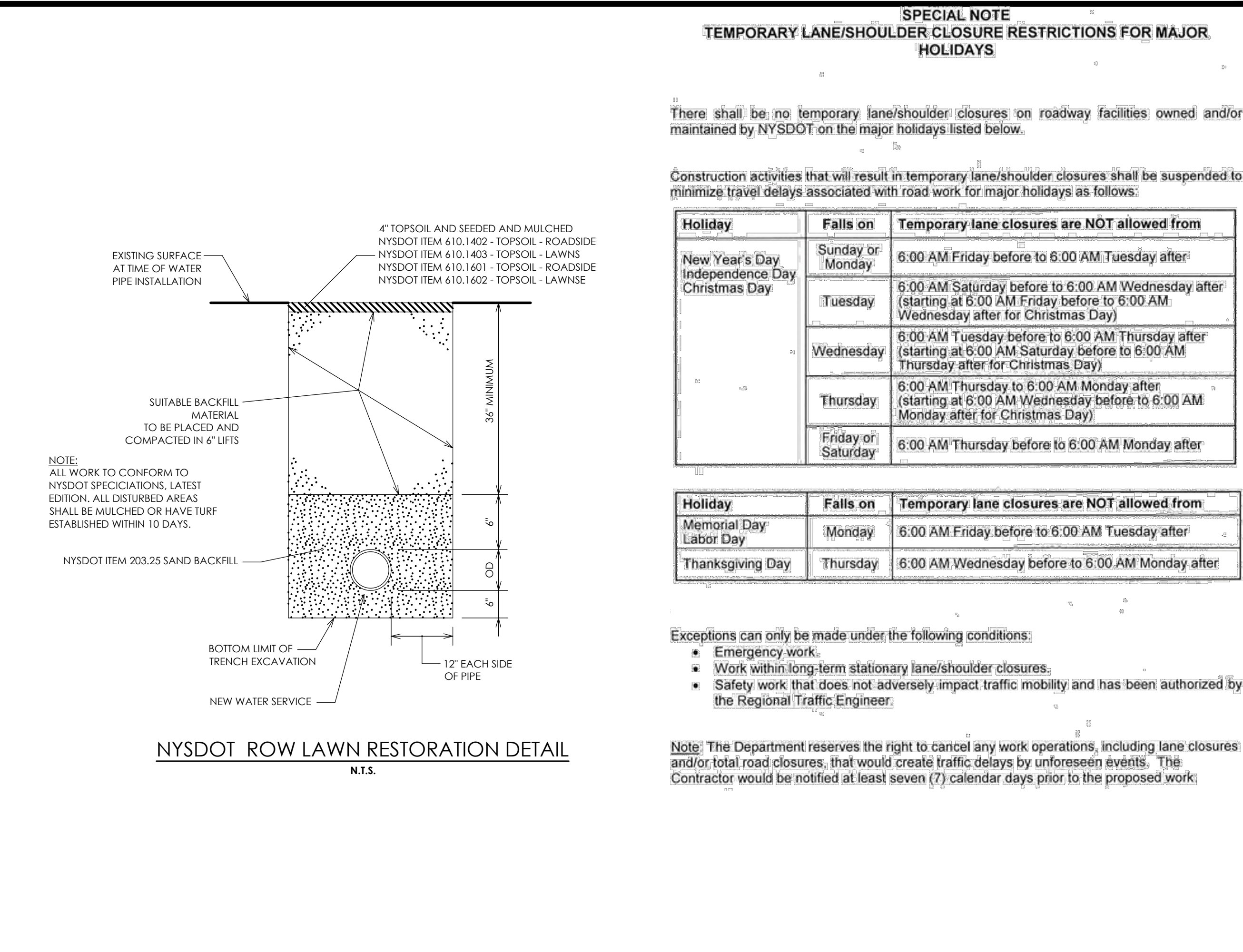
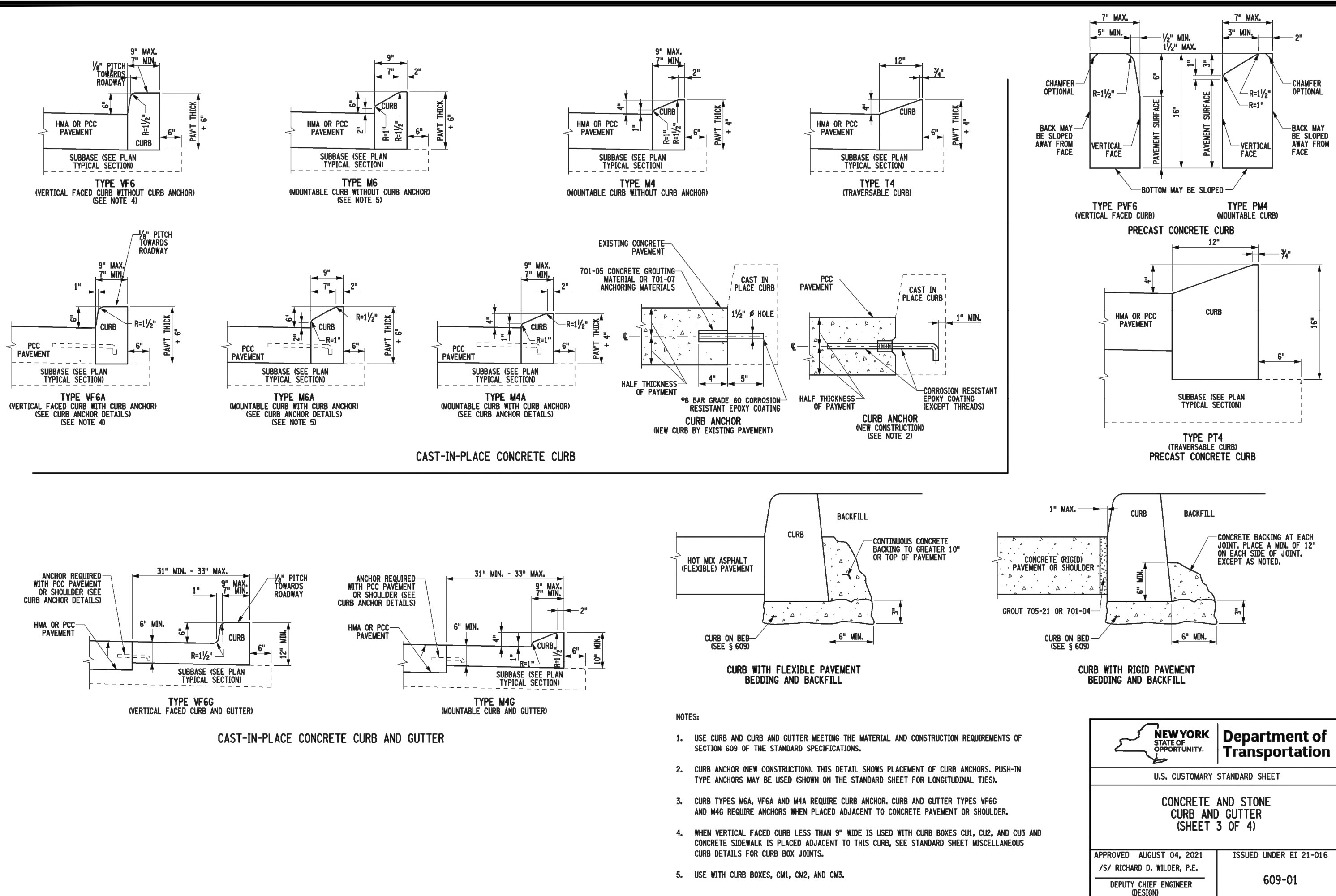
Revisions

No.	Date	By	Description
1			

DETAILS

CAR WASH

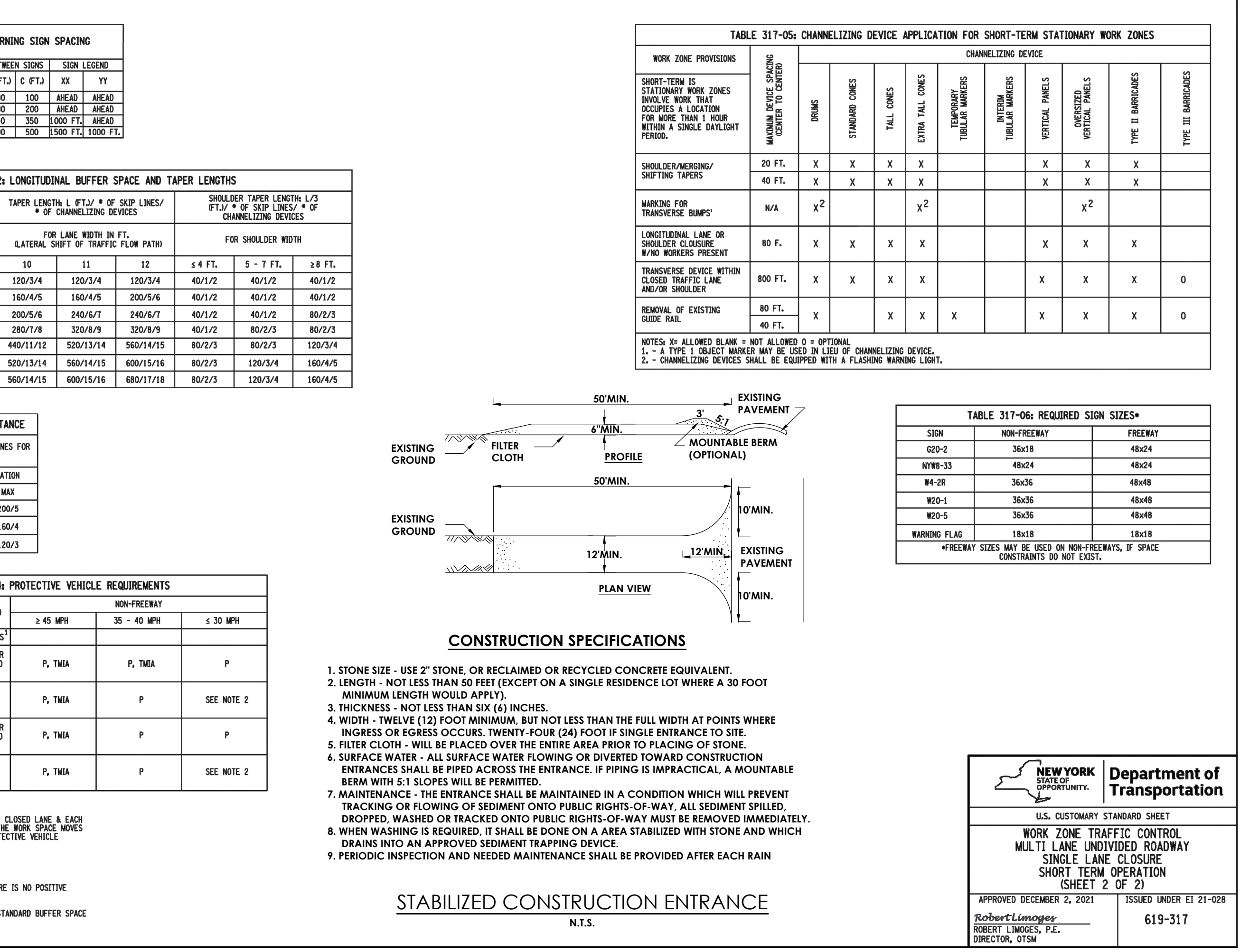
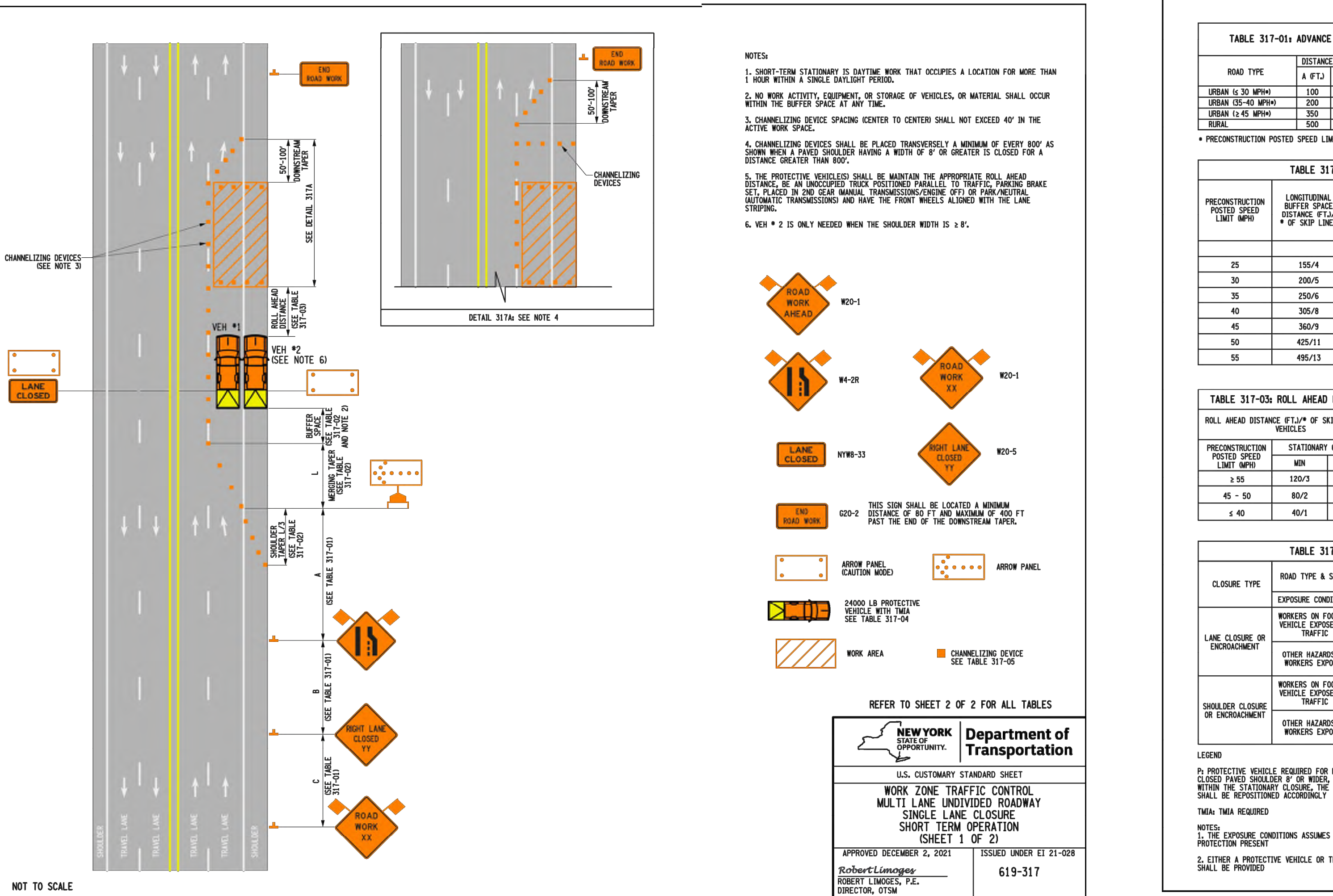
Town/City: DEPEW State: NEW YORK
 County: ERIE
 Project No.: 20223306.0001
 Drawing No.: C 203 Sheet No.: 9
 Scale: N.T.S.
 Date: JUNE 2022



PA
PASSERO ASSOCIATES
 engineering architecture

Village of Depew
 LOCATION SKETCH
 N.T.S.

Client:
 ROYAL WASH DEVELOPMENT, LLC
 2851 MONROE AVENUE
 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 Sudol, PE
 Project Manager: David Cox, PE
 Designed by: Carole Harvey

Revisions

No.	Date	By	Description
1			

DETAILS

CAR WASH

Town/City: DEPEW
 County: ERIE State: NEW YORK

Project No.: 20223306.0001

Drawing No.: C 204 Sheet No.: 10

Scale: N.T.S.

Date: JUNE 2022

NEW YORK STATE OF OPPORTUNITY. Department of Transportation

U.S. CUSTOMARY STANDARD SHEET

WORK ZONE TRAFFIC CONTROL
 MULTI LANE UNDIVIDED ROADWAY
 SINGLE LANE CLOSURE
 SHORT TERM OPERATION
 (SHEET 2 OF 2)

APPROVED DECEMBER 2, 2021 ISSUED UNDER EI 21-028
 Robert L. Imoges, P.E. DIRECTOR, OTSM 619-317

GENERAL NOTES

1. THE TYPICAL DETAILS DEPICTED ON THE STANDARD SHEETS AND IN THE MUTCD, REFLECT THE MINIMUM REQUIREMENTS.
2. PROPOSED REVISIONS TO THE TRAFFIC CONTROL PLAN SHALL BE PROVIDED, IN WRITING, TO THE DOT ENGINEER FOR REVIEW AND APPROVAL BY THE REGIONAL DIRECTOR OR HIS/HER DESIGNATE PRIOR TO WORK BEGINS. REVISIONS TO THE TRAFFIC CONTROL PLAN SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL BY THE REGIONAL DIRECTOR OR HIS/HER DESIGNATE THIRTY (30) WORKING DAYS PRIOR TO IMPLEMENTATION OF SUCH REVISIONS.
3. THE NAMES, ADDRESSES, AND TELEPHONE NUMBERS OF STAFF WHO ARE AUTHORIZED TO SECURE LABOR, MATERIALS, AND EQUIPMENT FOR EMERGENCY REPAIRS OUTSIDE NORMAL WORKING HOURS SHALL BE PROVIDED, IN WRITING, TO THE DOT ENGINEER. THE ENGINEER WILL PROVIDE THE SUBMITTED INFORMATION TO REGIONAL MANAGEMENT, THE NEW YORK STATE POLICE, THE RESIDENT ENGINEER, AND THE LOCAL POLICE.
4. STANDARD SHEET 618-503 MAY BE USED FOR AN OFFSITE DETOUR SETUP FOR BOTH LONG TERM AND SHORT TERM WORK OPERATIONS.
5. SEE E1 17-010 FOR MAJOR HOLIDAYS RESTRICTIONS.
6. FOLLOW REGIONAL HIGH-VOLUME RESTRICTIONS. SEE REGIONAL LANE CLOSURE RESTRICTIONS LIST, CONSIDER WITH DOT ENGINEER IF EXCEPTION NEEDED.
7. PLAN AHEAD TO AVOID CONFLICTING WORK SCHEDULES. CHECK FOR CONSTRUCTION PROJECTS, CLOSURES, & RESTRICTIONS AT WWW.511.NY.GOV, WWW.DOT.NY.GOV/PROJECTS, AND WITH DOT ENGINEER.
8. TRAVELER ADVISORY FORM & MATRIX MUST BE SUBMITTED PRIOR TO CLOSURE AS REQUIRED BY TSM 19-04 FOR POLICE SERVICES.
9. CALL REGIONAL TRAFFIC MANAGEMENT CENTER (TWO) ON DAY OF WORK BEFORE LANE CLOSURE SETUP AND WHEN LANE CLOSURE REMOVED.
10. DOCUMENT AND REPORT WORK ZONE INCIDENTS USING EITHER THE DEPARTMENT'S WORK ZONE INCIDENT FORM OR THE CONSTRUCTION INCIDENT REPORTING SYSTEM, AS APPROPRIATE.
11. CONSIDER CLOSURE WIDTH A CLEAR WIDTH FOR WIDE VEHICLES ON WIDE ROADWAYS. SEE HIGHWAY DESIGN MANUAL, §16.4.4.3, CONSTRUCTION ADMINISTRATION MANUAL, §104-08.6V, AND OVER-SIZE VEHICLE SIZING TOOL, BEFORE NOTING A 14' WIDE ROAD ROUTES. SUBMIT RESTRICTION NOTICE FORM HC 104 IF APPLICABLE.

ACTIVITY AREA

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

SIGNS

1. THE LOCATIONS OF THE SIGNS SHOWN ON THE WORK ZONE TRAFFIC CONTROL PLANS AND DETAILS MAY BE ADJUSTED BASED ON SIGHT DISTANCE AND OTHER CONSIDERATIONS. THE FINAL LOCATIONS OF SIGNS ARE SUBJECT TO APPROVAL OF THE ENGINEER.
2. FOR LONG TERM WORK OPERATIONS, ANY EXISTING SIGNS, INCLUDING OVERHEAD SIGNS, WHICH CONFLICT WITH THE TEMPORARY TRAFFIC CONTROL SIGNS LAYOUT SHALL BE COVERED, REMOVED, STORED OR RESET, AS APPROVED BY THE ENGINEER. ALL APPROPRIATE EXISTING SIGNS SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AND/OR LOCATION UNLESS OTHERWISE SPECIFIED IN THIS CONTRACT.
3. SIGNS AT OR NEAR INTERSECTIONS SHALL BE PLACED SO THAT THEY DO NOT OBSTRUCT A MOTORIST'S LINE OF SIGHT.
4. SIGNS MOUNTED ON THE MEDIUM OF DIVIDED HIGHWAYS WHERE MEDIUM BARRIERS IS IN PLACE MAY BE MOUNTED ON THE BARRIER WITH A SADDLE TYPE BRACKET, LAYING THE SIGN DOWN IN A HORIZONTAL POSITION IS NOT PERMITTED.
5. THE DIMENSIONS OF WORK ZONE TRAFFIC CONTROL SIGNS ARE DESCRIBED IN THE MUTCD. ANY CHANGES TO THE DIMENSIONS SHALL BE APPROVED BY THE REGIONAL DIRECTOR OR BY HIS/HER DESIGNATE.
6. W199-12 SHALL BE USED IN PLACE OF W199-11 WHEN A REDUCED REGULATORY SPEED LIMIT SIGN IS AUTHORIZED.
7. RIGID AND FLEXIBLE "ROLL-UP" SIGNS MAY BE USED FOR MOBILE, SHORT DURATION AND SHORT-TERM STATIONARY WORK. RIGID SIGNS MUST BE MOUNTED AT LEAST 5 FEET ABOVE GRADE. IF FEET MESHES, THESE ARE PERMITTED ON PARKED CARS. FLEXIBLE SIGNS SHALL BE MOUNTED AT LEAST ONE FOOT ABOVE GRADE. MESH SIGNS SHALL NOT BE USED. USE RETRO REFLECTORIZED RIGID SIGNS FOR NIGHTTIME WORK.

CHANNELIZING DEVICES

1. WHERE POSSIBLE ALL CHANNELIZING AND GUIDING DEVICES ARE TO BE PLACED SO AS TO PROVIDE A MINIMUM 2' LATERAL CLEARANCE TO THE TRAVELED WAY.

PUBLIC ACCESS

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

LANE CLOSURES

1. LANE CLOSURES SHALL BE LOCATED TO PROVIDE OPTIMUM VISIBILITY, I.E. BEFORE CURVES AND CRESTS, TO THE EXTENT CONSISTENT WITH PERMITS.
2. THE ENGINEER MAY REQUIRE THAT ALL LANE CLOSURES BE RE-OPENED AT ANY TIME IF THE ROUTE IS NEEDED FOR EMERGENCY PURPOSES. THIS INCLUDES INCIDENTS AT LOCATIONS OUTSIDE THE CONTRACT LIMITS.

LANE WIDTHS

1. UNLESS AUTHORIZED BY THE ENGINEER, THE MINIMUM LANE WIDTHS FOR WORK ZONE TRAVEL LANE SHALL BE AS FOLLOWS: FREEWAYS AND EXPRESSWAYS IS 11'; THE MINIMUM LANE WIDTH FOR ALL OTHER TYPES OF ROADWAYS IS 10'.
2. A WRITTEN NOTE SHALL BE PROVIDED TO THE ENGINEER, A MINIMUM OF 21 CALENDAR DAYS PRIOR TO THE SUBMITTED INFORMATION TO REGIONAL MANAGEMENT, THE NEW YORK STATE POLICE, THE RESIDENT ENGINEER, AND THE LOCAL POLICE.

SPEED RESTRICTION

1. SEE E1 08-030 & HW §16.6.4. POSTED SPEED LIMITS IN NYS IS VIEWER.

PROTECTIVE VEHICLES

1. A PROTECTIVE VEHICLE IS A LARGE DUMP TRUCK, A LARGE RACK TRUCK OR OTHER VEHICLE HAVING A GROSS WEIGHT OF AT LEAST 24,000 POUNDS. IF THE PROTECTIVE VEHICLE ENDOGRES INTO THE TRAVEL LANE, OR IF IT REMAINS ENTIRELY ON THE SHOULDER OF ANY HIGH SPEED ROAD (MS OR HSB), IT SHALL BE EQUIPPED WITH A DELETED TRUCK/TRAILER MOUNTED IMPACT ATTENUATOR (TMA, SEE TABLE 011-01 ON SHEET 618-111). PROTECTIVE VEHICLES MAY BE LOADED WITH SAND, GRAVEL, OR FINE AGGREGATE AS BALLAST TO ENHANCE THE VEHICLE'S GROSS WEIGHT. ANY BALLAST ADDED TO ENHANCE THE VEHICLE'S GROSS WEIGHT SHALL BE SECURED AS NOT TO BECOME DISLOADED IF IMPACTED.
2. A PROTECTIVE VEHICLE USED IN A MOVING OPERATION IS REFERRED TO AS A SHADOW VEHICLE.
3. A PROTECTIVE VEHICLE USED IN A STATIONARY OPERATION IS REFERRED TO AS A BARRIER VEHICLE.
4. IN A MOVING OPERATION OR A STATIONARY OPERATION THAT OCCUPIES A LOCATION FOR THE SAFETY BELT AND HEADREST PROPERLY ADJUSTED, MAINTAIN VEHICLE SPACING, AND KEEP THE WHEELS ALIGNED WITH THE LANE STRIPING. TWO-WAY RADIOS SHOULD BE USED TO COMMUNICATE BETWEEN THE OPERATOR AND THE WORK CREW.
5. IN A STATIONARY OPERATION THAT OCCUPIES A LOCATION FOR MORE THAN 1 HOUR, ONCE THE PROTECTIVE VEHICLE HAS BEEN APPROPRIATELY PLACED, IT SHOULD BE UNOCCUPIED. UNOCCUPIED VEHICLE SHALL BE POSITIONED PARALLEL TO TRAFFIC, PARKING BRAKE SET, PLACED IN 2ND GEAR (MANUAL TRANSMISSIONS) / ENGINE OFF OR PARK / NEUTRAL (AUTOMATIC TRANSMISSIONS) AND HAVE THE FRONT WHEELS ALIGNED WITH THE LANE STRIPING AND LANE TO MAINTAIN LANE DISCIPLINE AND TO STAY IN LANE IF STRUCK.
6. WHEN A PROTECTIVE VEHICLE IS USED IN ADVANCE OF EITHER MOVING OR STATIONARY OPERATIONS TO DISPLAY SIGN MESSAGES, IT IS REFERRED TO AS AN ADVANCE WARNING VEHICLE. ADVANCED WARNING VEHICLES MAY BE OCCUPIED OR UNOCCUPIED. WHEN SIGNS ARE MOUNTED ON AN ADVANCED WARNING VEHICLE, THEY SHALL NOT OBSTRUCT VISIBILITY OF ANY LIGHTS (TAILLIGHTS OR WARNING LIGHTS) OR SIDE-VIEW MIRRORS ON THE VEHICLE.
7. NO WORK ACTIVITY, EQUIPMENT, VEHICLES AND/OR MATERIALS SHALL BE LOCATED BETWEEN THE PROTECTIVE VEHICLE AND THE ACTIVE WORK AREA AHEAD DISTANCE.
8. PROTECTIVE VEHICLES MAY BE REQUIRED IN CONJUNCTION WITH POLICE PRESENCE IN THE WORK ZONE, TO BE INCLUDED IN THE UNIT BID PRICE FOR BASIC WORK ZONE TRAFFIC CONTROL, FOR CAPITAL CONSTRUCTION PROJECTS.
9. DIRECT VERBAL COMMUNICATION BETWEEN THE PROTECTIVE VEHICLES AND THE WORK VEHICLES / EQUIPMENT SHALL BE UTILIZED WHERE AVAILABLE.

WORK DURATION DEFINITIONS

1. THERE ARE MAINLY FIVE WORK DURATIONS:
 - A. LONG-TERM IS STATIONARY WORK THAT OCCUPIES A LOCATION MORE THAN 3 CONSECUTIVE DAYS.
 - B. INTERMEDIATE-TERM IS STATIONARY WORK THAT OCCUPIES A LOCATION MORE THAN ONE DAYLIGHT PERIOD UP TO 3 CONSECUTIVE DAYS, OR NIGHTTIME WORK LASTING MORE THAN 1 HOUR.
 - C. SHORT-TERM IS STATIONARY DAYTIME WORK THAT OCCUPIES A LOCATION FOR MORE THAN 1 HOUR WITHIN A SINGLE DAYLIGHT PERIOD.
 - D. SHORT DURATION IS WORK THAT OCCUPIES A LOCATION UP TO 1 HOUR.
 - E. MOBILE IS WORK THAT MOVES INTERMITTENTLY OR CONTINUOUSLY WHERE THE WORK AT ANY SPECIFIC LOCATION COMPLETES WITHIN 15 MINUTES. IT IS USED FOR VEHICLE BASED OPERATIONS AND DOES NOT INVOLVE WORKERS ON FOOT.
2. SPECIAL OPERATIONS ARE WORK OPERATIONS THAT DO NOT FIT INTO ONE OF THE ABOVE FIVE CATEGORIES. SPECIAL OPERATIONS INCLUDE:
 - A. STOP AND GO OPERATIONS - WORK THAT COMPLETES WITHIN 5 MINUTES AND ALLOWS WORKERS ON FOOT.
 - B. OTHER OPERATIONS INCLUDING MOWING, MACHINING/HERBICIDE OPERATIONS, TEMPORARY ROAD/INTERSECTION CLOSURES, ETC.

ROADWAY TYPE DEFINITIONS

1. FREEWAY:
 - A. INTERSTATE, INTERREGIONAL, HIGH-SPEED, HIGH-VOLUME, DIVIDED FACILITIES WITH COMPLETE CONTROL OF ACCESS.
 - B. EXPRESSWAY DIVIDED HIGHWAYS FOR THROUGH TRAFFIC WITH FULL OR PARTIAL CONTROL OF ACCESS AND GENERALLY WITH GRADE SEPARATIONS AT MAJOR CROSSROADS.
 - C. PARKWAY DIVIDED HIGHWAYS FOR NON-COMMERCIAL TRAFFIC WITH FULL CONTROL OF ACCESS, GRADE PARKWAY SEPARATIONS, INTERCHANGES, AND OCCASIONAL AT-GRADE INTERSECTIONS. PARKWAYS ARE DESIGNATED BY LAW.
2. NON-FREEWAY:
 - A. MULTILANE DIVIDED HIGHWAY
 - B. MULTILANE UNDIVIDED HIGHWAY
 - C. TWO-LANE TWO-WAY ROADWAY

ALL NON-FREEWAYS CAN BE EITHER URBAN OR RURAL:

URBAN MEETS MORE THAN 1 OF THE FOLLOWING CRITERIA:

- HIGH DENSITY DEVELOPMENT
- ON-STREET PARKING
- MARKED BUILDING SETBACKS
- MULTI-STORY AND LOW-TO MEDIUM-RISE STRUCTURES FOR RESIDENTIAL, COMMERCIAL, AND EDUCATIONAL USES. STRUCTURES THAT ACCOMMODATE MIXED USES: COMMERCIAL, RESIDENTIAL, AND PARKING
- LIGHT INDUSTRIAL, AND SOMETIMES HEAVY INDUSTRIAL, LAND USE
- PROMINENT DESTINATIONS WITH SPECIALIZED STRUCTURES, E.G., LARGE THEATERS, SPORTS FACILITIES OR CONFERENCE CENTERS
- HIGHER DENSITY OF TRAFFIC STOPS AND MOTES
- MAJOR COMMERCIAL DRIVEWAY DESTINIES OF 0.1 DRIVEWAYS/MILE OR GREATER
- MAJOR COMMERCIAL DRIVEWAYS
- HIGHER DENSITY OF CROSS STREETS

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

NOTES ON NIGHTTIME WORK:

- N1. WORK OCCURRING AFTER SUNSET AND BEFORE SUNRISE WILL BE CONSIDERED NIGHTTIME OPERATIONS.
- N2. ALL SIGNS SHALL BE RETROREFLECTIVE.
- N3. ALL WORKERS INVOLVED SHALL WEAR PROTECTIVE HELMETS AND NIGHTTIME APPAREL IN ACCORDANCE WITH 8107-05A. HIGH VISIBILITY APPAREL AT ALL TIMES.
- N4. VEHICLES OPERATING ON THE PAVEMENT OF A CLOSED ROADWAY OR TRAVEL LANE SHALL DISPLAY ROTATING AMBER BEACONS OR FLASHER LED BEACONS AT ALL TIMES.
- N5. LEVEL I ILLUMINATION SHALL BE PROVIDED NEAR THE BEGINNING OF LANE CLOSURE TAPERS AND AT ROAD CLOSURES, INCLUDING THE SETUP AND REMOVAL OF THE CLOSURE TAPERS.
- N6. LEVEL II ILLUMINATION SHALL BE PROVIDED FOR FLAGGING STATIONS, ASPHALT PAVING, MILLING, AND CONCRETE PLACEMENT AND/OR REPAIR OPERATIONS, INCLUDING DRIVE DECKS, 50 FEET AHEAD OF AND 100 FEET BEHIND A PAVING OR MILLING MACHINE.
- N7. LEVEL III ILLUMINATION SHALL BE PROVIDED FOR PAVEMENT OR STRUCTURAL CRACK FILLING, JOINT REPAIR, PAVEMENT PATCHING AND REPAIRS, INSTALLATION OF SIGNAL EQUIPMENT OR OTHER ELECTRICAL/MECHANICAL EQUIPMENT, AND OTHER TASKS INVOLVING FINE DETAILS OR INTRICATE PARTS AND EQUIPMENT.
- N8. ALL LIGHTING SHALL BE DESIGNED, INSTALLED, AND OPERATED TO AVOID GLARE THAT AFFECTS TRAFFIC ON THE ROADWAY OR THAT CAUSES ANNOYANCE OR DISCOMFORT FOR RESIDENCES ADJOINING THE ROADWAY.
- N9. PRIOR TO THE START OF NIGHTTIME OPERATIONS, A WRITTEN NIGHTTIME OPERATIONS AND LIGHTING PLAN IS REQUIRED FOR APPROVAL FROM THE OFFICE OF THE REGIONAL TRAFFIC ENGINEER.
- N10. SEE NIGHTTIME SAFETY BULLETIN, HW §16.2, & STANDARD SPECIFICATIONS §619 FOR ADDITIONAL REQUIREMENTS AND CONSIDERATIONS.

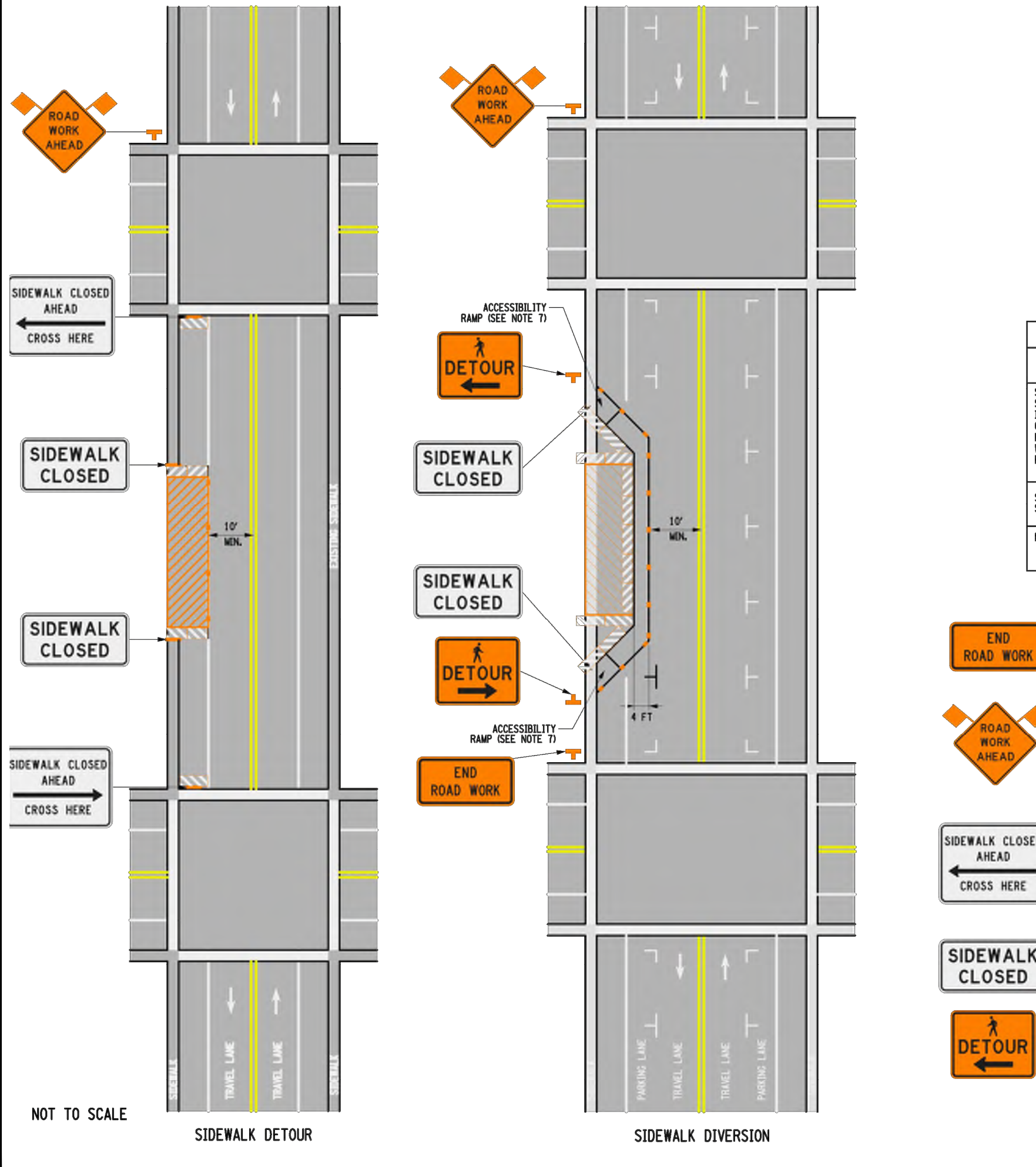
NEW YORK DEPARTMENT OF TRANSPORTATION

U.S. CUSTOMARY STANDARD SHEET

WORK ZONE TRAFFIC CONTROL GENERAL NOTES

APPROVED DECEMBER 2, 2021 ISSUED UNDER E1 21-028

Robert Limoges, P.E. DIRECTOR, OTSM 619-010



NOTES:

1. SHORT-TERM STATIONARY IS DAYTIME WORK THAT OCCUPIES A LOCATION FOR MORE THAN 1 HOUR WITHIN A SINGLE DAYLIGHT PERIOD.
2. ANY SIDEWALK DIVERSION MUST BE ADA COMPLIANT AND FOLLOW THE PUBLIC RIGHTS-OF-WAY ACCESSIBILITY GUIDELINES (PROWAG), TEMPORARY RAMPS AND OTHER TEMPORARY PEDESTRIAN FACILITIES SHALL BE PAID FOR UNDER THE APPROPRIATE ITEM FOR HOT MIX ASPHALT ROAD SIDEWALKS.
3. PROWAG SECTION 8005 AND MUTCD PART 6 SHALL APPLY TO ALL CONSTRUCTED TEMPORARY ALTERNATIVE PEDESTRIAN PATHWAYS.
4. ONLY THE WORK ZONE TRAFFIC CONTROL DEVICES RELATED TO PEDESTRIANS ARE SHOWN. OTHER DEVICES, SUCH AS LANE SHOULDER CLOSURE, ROAD MARKING SIGNS (W-4), OR NO PARKING SIGNS MAY BE USED TO CONTROL VEHICULAR TRAFFIC.
5. TYPE III BARRICADES SHALL BE THE FULL WIDTH OF THE PATH BEING CLOSED.
6. ACCESS TO BUSINESS ENTRANCES AND TRANSIT STOPS WILL NEED TO BE MAINTAINED. IF THE PEDESTRIAN FACILITY CURRENTLY HAS A TRANSIT STOP THAT WILL BE AFFECTED BY THE WORK ZONE, PRACTITIONERS SHOULD CONSULT THE TRANSIT AUTHORITIES THAT SERVICE THE AFFECTED STOP TO DETERMINE HOW TO ACCOMMODATE THE STOP.
7. THE GRADE FINISHING SLOPE OF A TEMPORARY CURB RAMP FOR DESIGN AND LAYOUT SHALL BE A MAXIMUM OF 1:12. THE GRADE FOR ADA ACCESSIBILITY AND WORK ACCEPTANCE SHALL BE A MAXIMUM OF 0.3%.

TABLE 321-02: CHANNELIZING DEVICE APPLICATION FOR SHORT-TERM STATIONARY WORK ZONES

WORK ZONE PROVISIONS	MATERIAL TYPES (SEE MUTCD CENTER TO CENTER)	CHANNELIZING DEVICE								
		CONES	STANDARD CONES	TALL CONES	EXTRA TALL CONES	TEMPORARY TUBULAR BARRIERS	VERTICAL PANELS	OBSERVED VERTICAL PANELS	TYPE II BARRICADES	TYPE III BARRICADES
SHOULDER/BERMING/SIFTING TAPERS	20 FT.	X	X	X	X	X	X	X	X	X

NOTES: X= ALLOWED BLANK = NOT ALLOWED

TABLE 321-01: REQUIRED SIGN SIZES*

SIGN	NON-FREEWAY	FREEWAY
G20-2	36x18	48x24
R9-11L/R9-11R**	24x18	24x18
R9-11*	24x12	24x12
W20-1	36x36	48x48
M4-9L/M4-9R**	30x24	30x24
WARNING FLAG	18x18	18x18

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

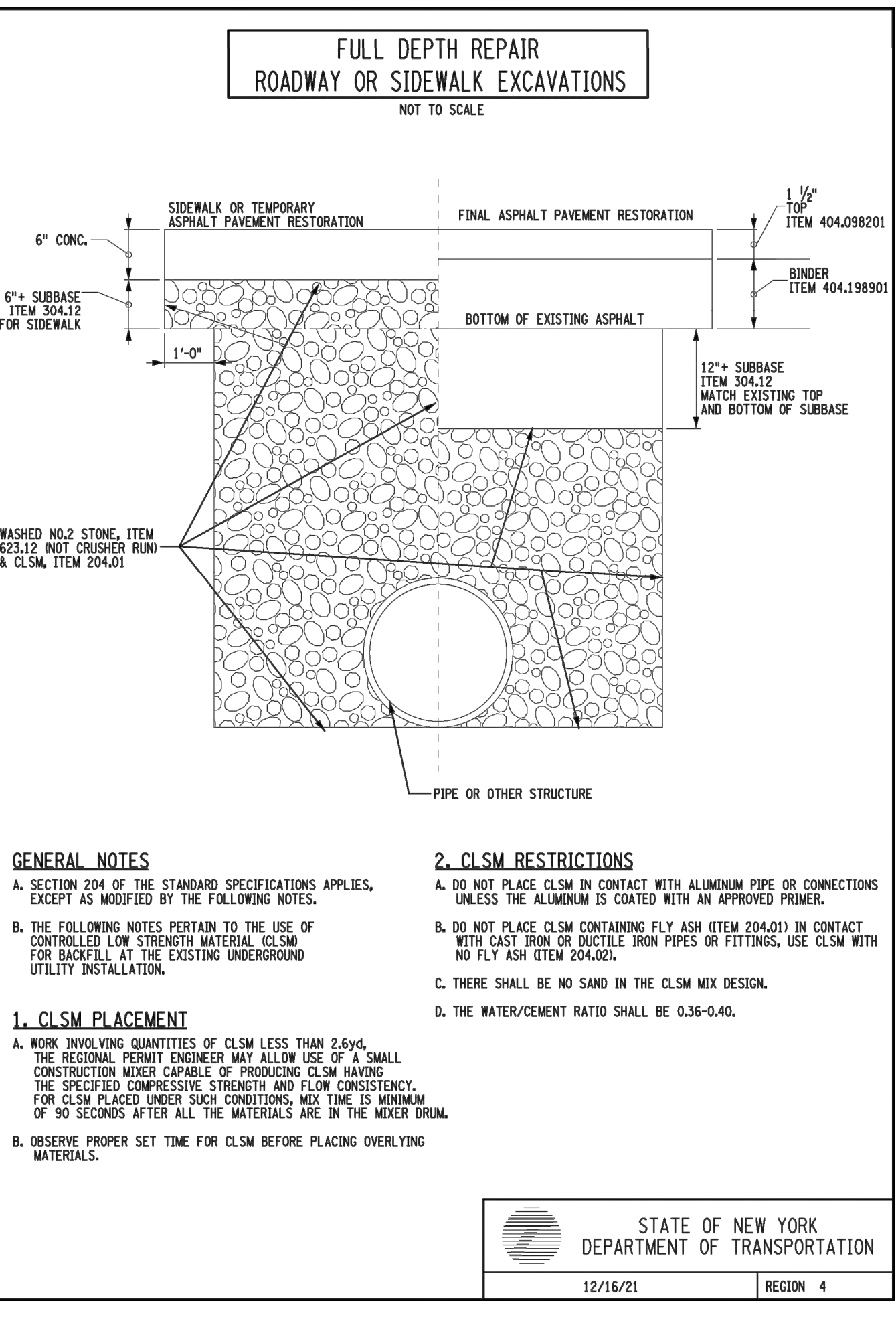
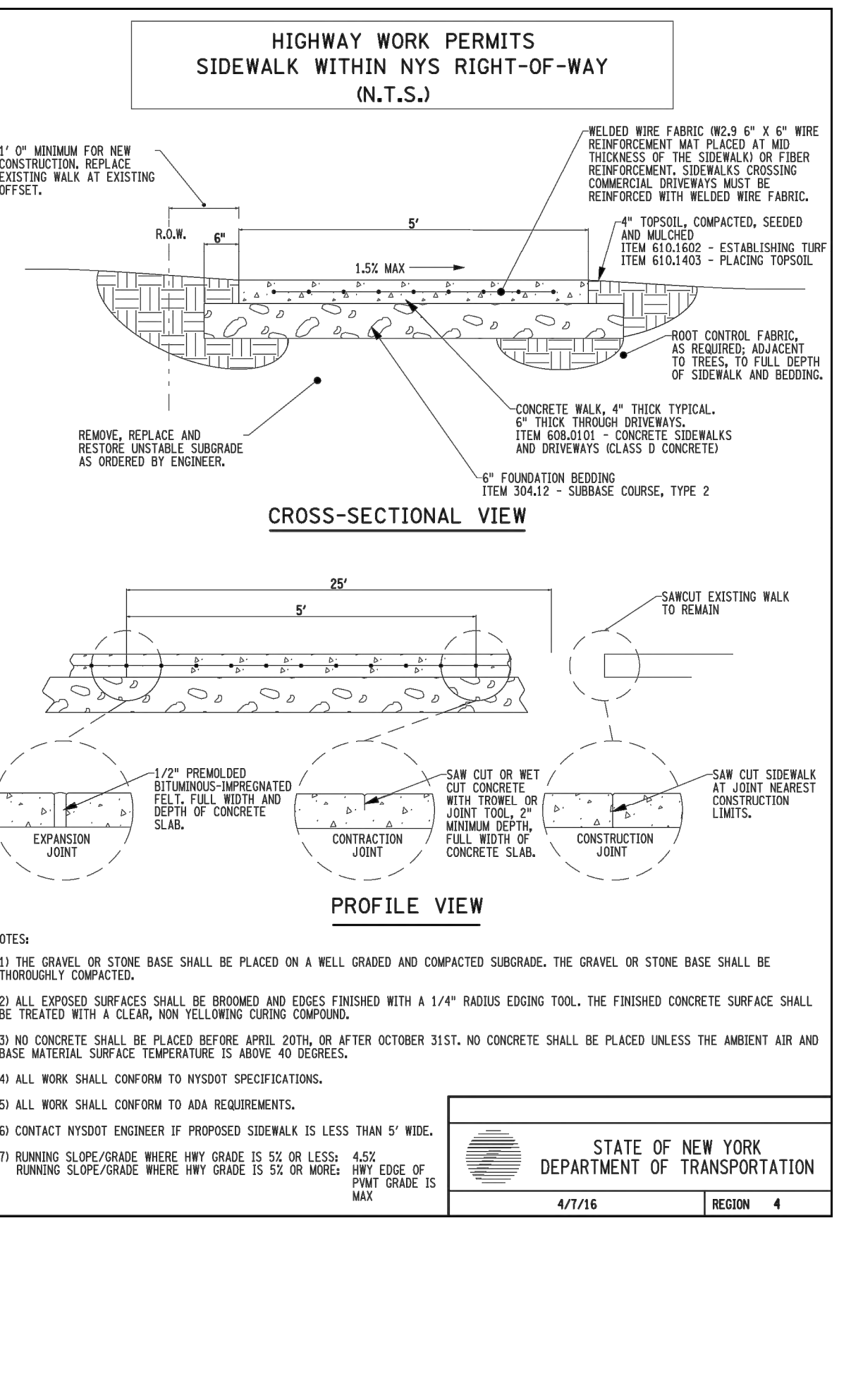
NEW YORK DEPARTMENT OF TRANSPORTATION

U.S. CUSTOMARY STANDARD SHEET

WORK ZONE TRAFFIC CONTROL TWO-LANE TWO-WAY ROADWAY SIDEWALK DETOUR/DIVERSION SHORT TERM OPERATION

APPROVED DECEMBER 2, 2021 ISSUED UNDER E1 21-028

Robert Limoges, P.E. DIRECTOR, OTSM 619-321



PA PASSERO ASSOCIATES
engineering architecture

PROJECT LOCATION

Village of Depew
LOCATION SKETCH
N.T.S.

Client: ROYAL WASH DEVELOPMENT, LLC
2851 MONROE AVENUE
ROCHESTER, NY 14618

PASSERO ASSOCIATES
242 West Main Street Suite 100
Rochester, New York 14614
(585) 325-1000
Fax: (585) 325-1101

Principal-in-Charge: Jess Sudol, PE
Project Manager: David Cox, PE
Designed by: Carole Harvey

STATE OF NEW YORK
JESS DANIEL GILLET
No. 2235
REGISTERED PROFESSIONAL ENGINEER

Revisions

No.	Date	By	Description
1			

DETAILS

CAR WASH

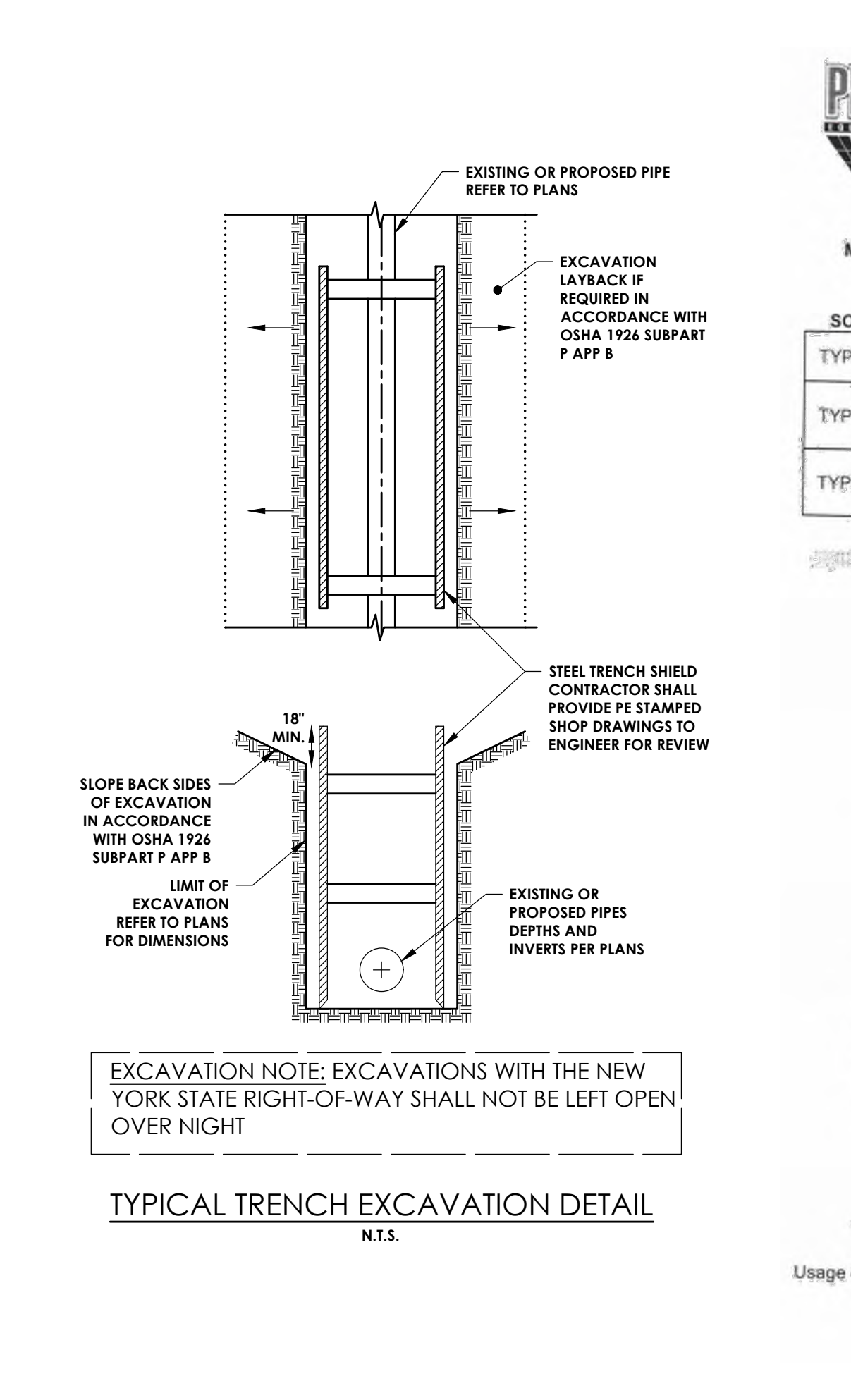
Town/City: DEPEW
County: ERIE State: NEW YORK

Project No: 20223306.0001

Drawing No: C 205 Sheet No: 11

Scale: N.T.S.

Date: JUNE 2022



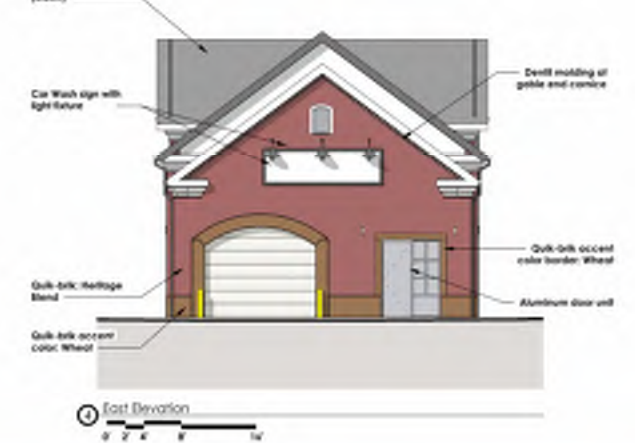
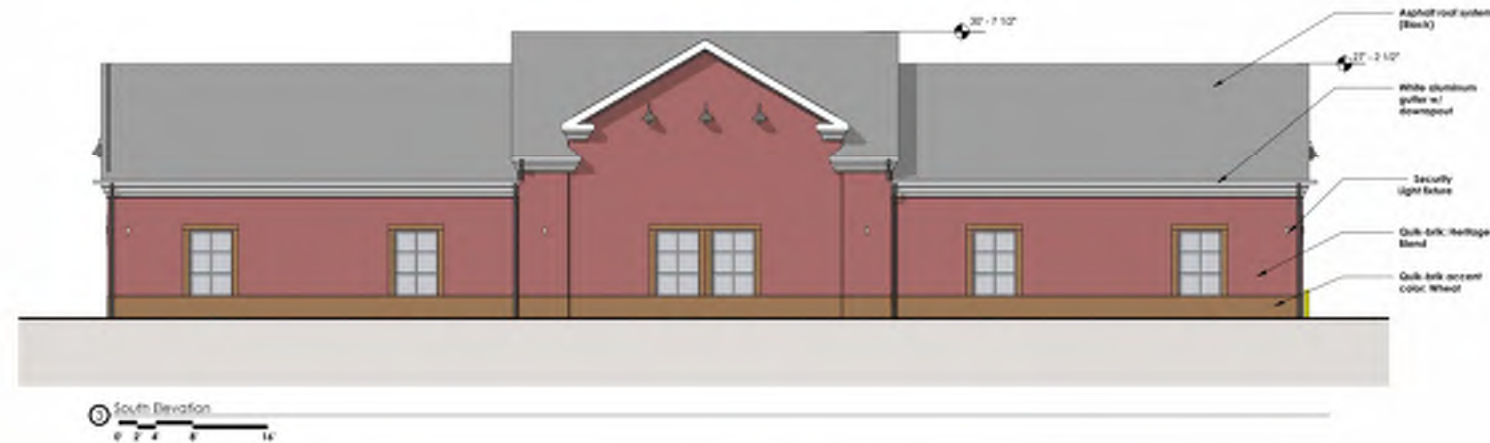
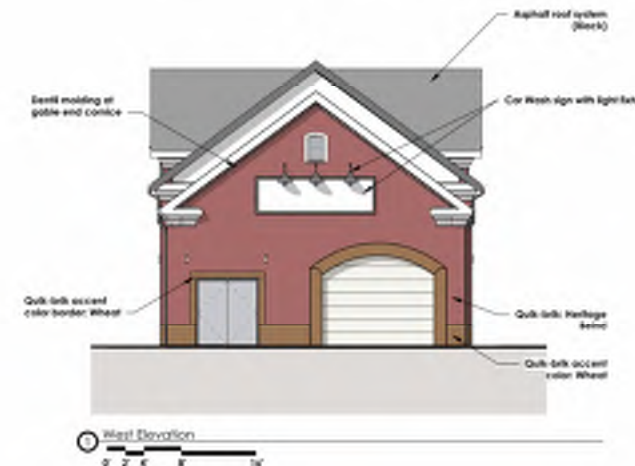
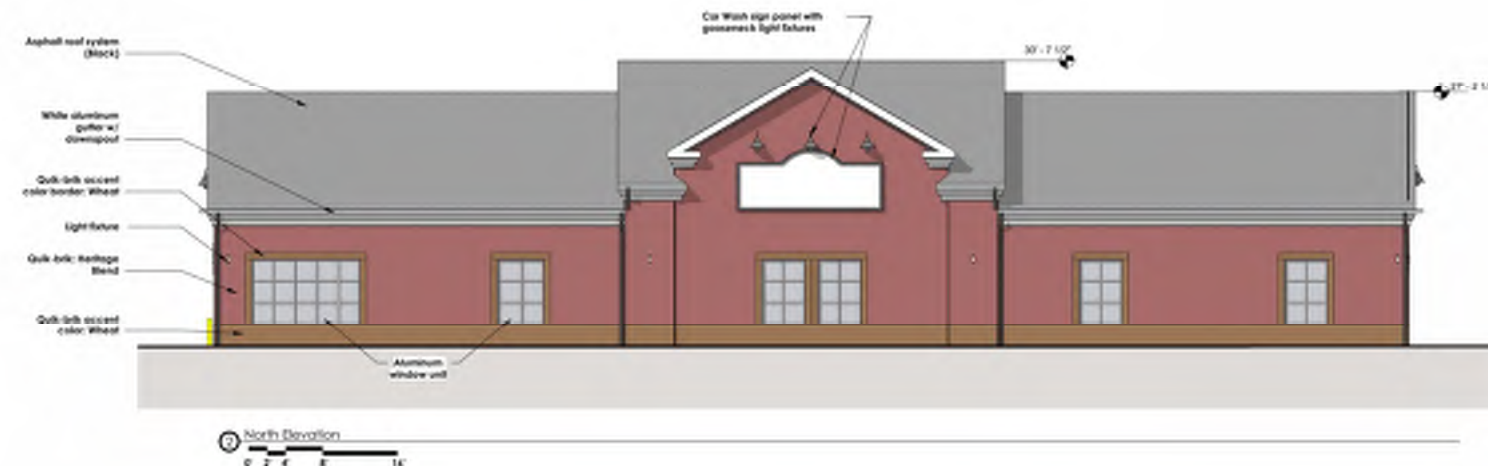
PRO-TEC TRENCH SHIELD

STATE OF NEW YORK
SCOTT M. GILLET
No. 32040
REGISTERED PROFESSIONAL ENGINEER

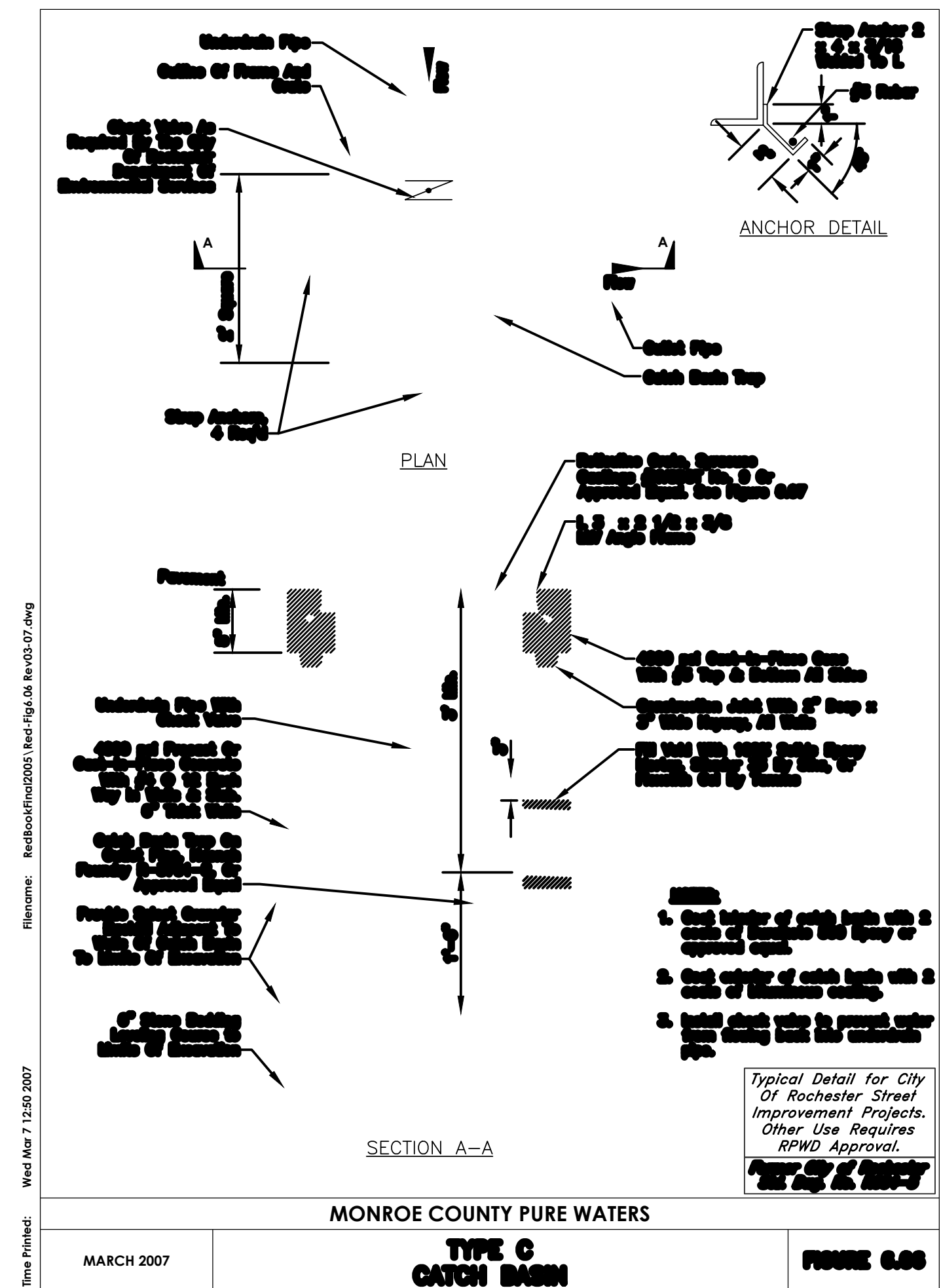
Usage of trench shields other than specified could cause failure or cave-ins resulting in serious injury or death.

Phone (517) 541-0303 • 1-800-292-1225 • Fax (517) 541-0329
Mailing Address: P.O. Box 130 • Charlotte, MI 48813 • Shipping Address: 1298 Lippy Drive • Charlotte, MI 48813

NOT FOR CONSTRUCTION



01 Car Wash Exterior Elevations



MONROE COUNTY PURE WATERS
TYPE C CATCH BASIN
MARCH 2007
FIGURE 6.06

TYPICAL Sign: 79 sq. ft.

10' width, 11' 10" height, 5" depth, 9" cabinet.

4" White reflective numbers
4" STUB IN SIGN SLEEVE INTO 6" POLE
6" ROUND POLE Painted DEC797 Battleship Gray
Colors: Orange: Trans. 3M Burnt Orange (#3630-124)
GOCW Blue: Pantone 2985C -Vacuum Blue
Black & White
Cabinet: SW 6884 Orange

Description:
(1) Double-Sided Internally Illuminated Cabinet Sign
Fabricated Aluminum cabinet w/ Aluminum Retainers
Lexan Faces with digital and applied vinyl graphics.
4" dia Steel stub pipe thru pole to upper cabinet
Bright White LED illumination.
Sign mounted to new 6" round pole painted.

4' x 4' x 6' CONCRETE FOUNDATION
3 YARDS #3000 CONCRETE

Exterior pole sign
Date: 1/25/2022
Customer: Go Car Wash
Name: Typical
Address:
Sign Location:
This original, conceptual, and/or shop drawing has been created by SKYLIGHT SIGNS INC.
It is submitted for use within the above stated organization ONLY and/or other parties necessary to make signage decisions.
This drawing is not to be shown, e-mailed or transmitted in anyway to anyone outside of your organization, nor is it to be used, reproduced or exhibited in any way, without expressed written consent.
This custom artwork is for representational purposes only. Colors will not exactly match the paint or materials to be used.
ALL ELECTRICAL SIGNS REQUIRE EDP ELECTRICAL UNLESS OTHERWISE STATED.
skylight signs inc.
60 Industrial Park Circle
Rochester NY 14624
Phone 585 594-2500
Fax 585 594-2525
I have reviewed this drawing and accept it as shown. Any changes made to this drawing at any time will affect the contract price. Any and all changes to this drawing must be accompanied by written explanation and approved by both parties prior to production.
Customer Signature:
Landlord Signature:

10'-0" width, 17" height, 15" depth, 36" mounting height.

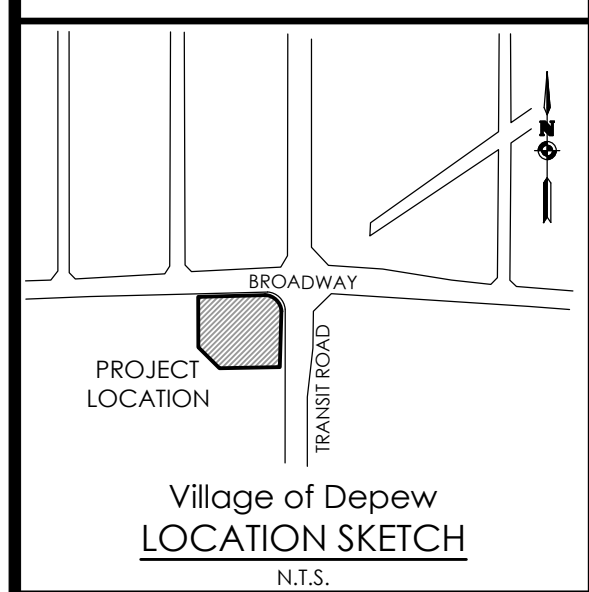
Description:
(1) set EACH of individual 1/2" FCO Acrylic letters.
Letters to be stud mounted flush to 2" deep pan-formed aluminum panel. Orange to be painted.

14'-0" width, 26" height, 5'-11" mounting height, 42 1/2" depth, 26" side depth.

Description:
(1) set EACH of individual 1/2" FCO Acrylic letters.
Letters to be stud mounted flush to 2" deep pan-formed aluminum panel. Orange to be painted.

Pan formed aluminum sign
Blind Angle Clip mounting
2" deep Aluminum Pan With 1/2" flat cut acrylic graphics applied

Building sign
Date: 1/20/2022
Customer: GO Car Wash
Name: Various locations
Address: Typical
Sign Location:
This original, conceptual, and/or shop drawing has been created by SKYLIGHT SIGNS INC.
It is submitted for use within the above stated organization ONLY and/or other parties necessary to make signage decisions.
This drawing is not to be shown, e-mailed or transmitted in anyway to anyone outside of your organization, nor is it to be used, reproduced or exhibited in any way, without expressed written consent.
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ALL ELECTRICAL SIGNS REQUIRE EDP ELECTRICAL UNLESS OTHERWISE STATED.
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Phone 585 594-2500
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Landlord Signature:



Village of Depew
LOCATION SKETCH
N.T.S.

Client:
ROYAL WASH DEVELOPMENT, LLC
2851 MONROE AVENUE
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 Sudol, PE
Project Manager: David Cox, PE
Designed by: Carole Harvey

Revisions

No.	Date	By	Description
1			

DETAILS
CAR WASH
Town/City: DEPEW
County: ERIE State: NEW YORK
Project No.: 20223306.0001
Drawing No.: C 206 Sheet No.: 12
Scale: N.T.S.
Date: JUNE 2022