

# Proposed Carwash

## 1353, 1347, 1343 Union Rd & 0 Fremont Ave

### Town of West Seneca, New York 14224

# SITE DEVELOPMENT DRAWINGS

#### AGENCIES

**BUILDING DEPT.**  
**NAME/TITLE:** JEFFREY SCHIEBER, CODE ENFORCEMENT OFFICER  
**COMPANY/DEPT.:** TOWN OF WEST SENECA CODE ENFORCEMENT  
**ADDRESS:** 1250 UNION ROAD  
 WEST SENECA, NEW YORK 14224  
**TELEPHONE:** 716-558-3242

**ENGINEERING DEPT.**  
**NAME/TITLE:** STEVEN TANNER, P.E., TOWN ENGINEER  
**COMPANY/DEPT.:** TOWN OF WEST SENECA ENGINEERING DEPT.  
**ADDRESS:** 1250 UNION ROAD  
 WEST SENECA, NEW YORK 14224  
**TELEPHONE:** 716-558-3221

#### UTILITIES

**NATURAL GAS**  
**NAME/TITLE:** GERALD SCOTT  
**COMPANY/DEPT.:** NATIONAL FUEL GAS  
**ADDRESS:** 10 LAFAYETTE SQUARE, ROOM 600  
 BUFFALO, NEW YORK 14203  
**TELEPHONE:** 716-857-7000

**TELEPHONE COMPANY**  
**NAME/TITLE:** ROBERT MCCARTHY  
**COMPANY/DEPT.:** VERIZON  
**ADDRESS:** 65 FRANKLIN STREET, ROOM 601  
 BUFFALO, NEW YORK 14202  
**TELEPHONE:** 716-840-8669

**ELECTRIC**  
**NAME/TITLE:** ERIC WRIGHT  
**COMPANY/DEPT.:** NATIONAL GRID  
**TELEPHONE:** 716-857-4031

**WATER**  
**COMPANY/DEPT.:** ERIE COUNTY WATER DEPARTMENT  
**ADDRESS:** 3030 UNION RD  
 CHEEKTOWAGA, NEW YORK 14227  
**TELEPHONE:** 716-684-1510

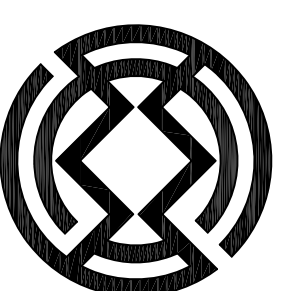
**ELECTRIC & GAS**  
**NAME/TITLE:** SAM CERPAOLA  
**COMPANY/DEPT.:** N.Y.S. ELECTRIC & GAS  
**TELEPHONE:** 716-651-5256

**CABLE**  
**NAME/TITLE:** THOMAS TRIGILIO  
**COMPANY/DEPT.:** TIME WARNER CABLE  
**TELEPHONE:** 716-558-8615

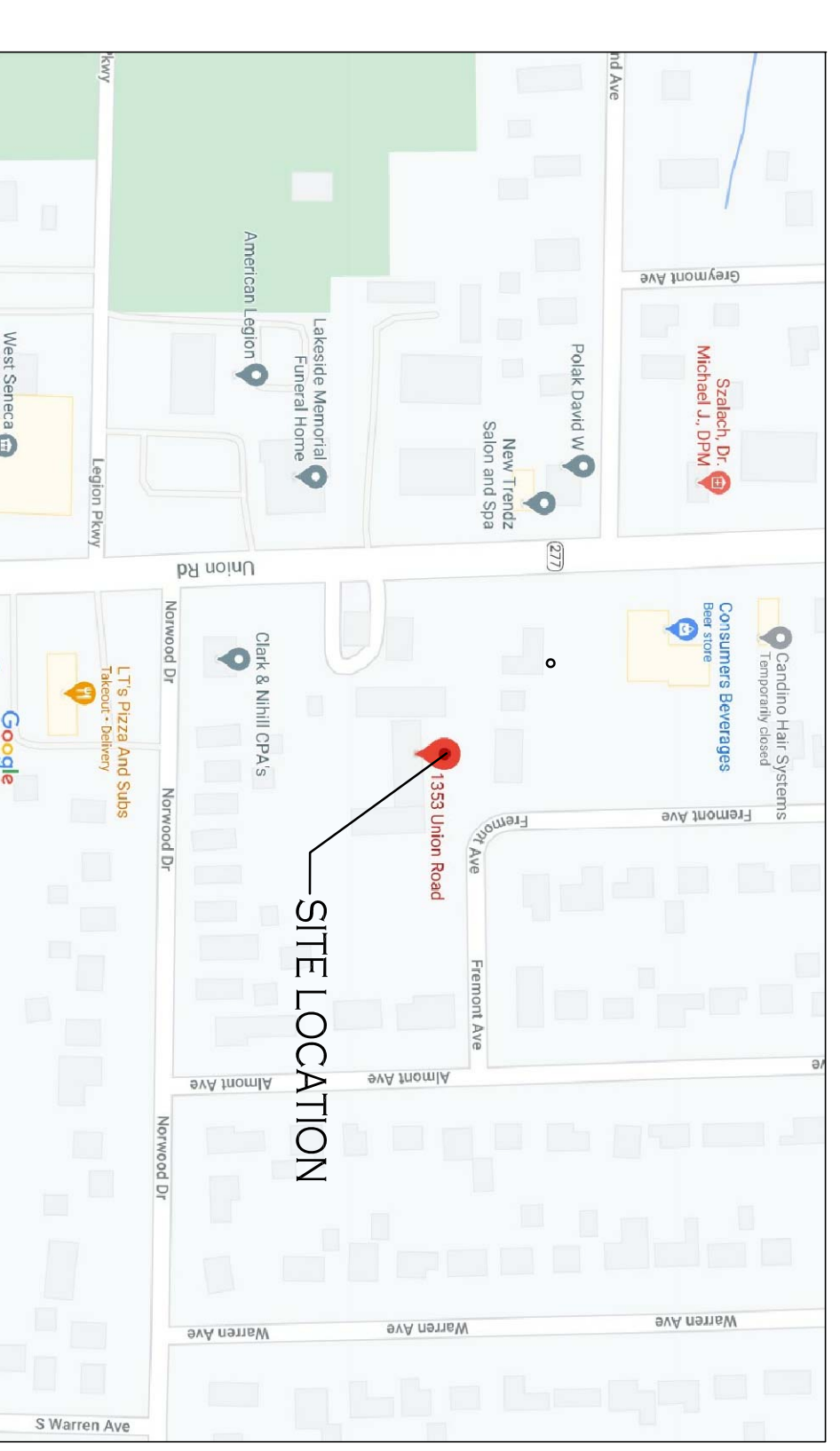
**UNDERGROUND FACILITIES PROTECTION ORGANIZATION**  
**TELEPHONE:** 1-800-962-7962

#### OWNER/DEVELOPER

**NAME:** Joseph Spino (Owner)  
**JSEK WEST SENECA LLC**  
 dba Blue Buffalo Carwash  
**ADDRESS:** 30 Buffalo Creek Road  
 Elma, NY 14059  
**TELEPHONE:** 716-238-4667



**Carmina • Wood • Morris**<sup>DPC</sup>  
 487 Main Street, Suite 600  
 Buffalo, New York 14203  
 P 716.842.3165  
 F 716.842.0283

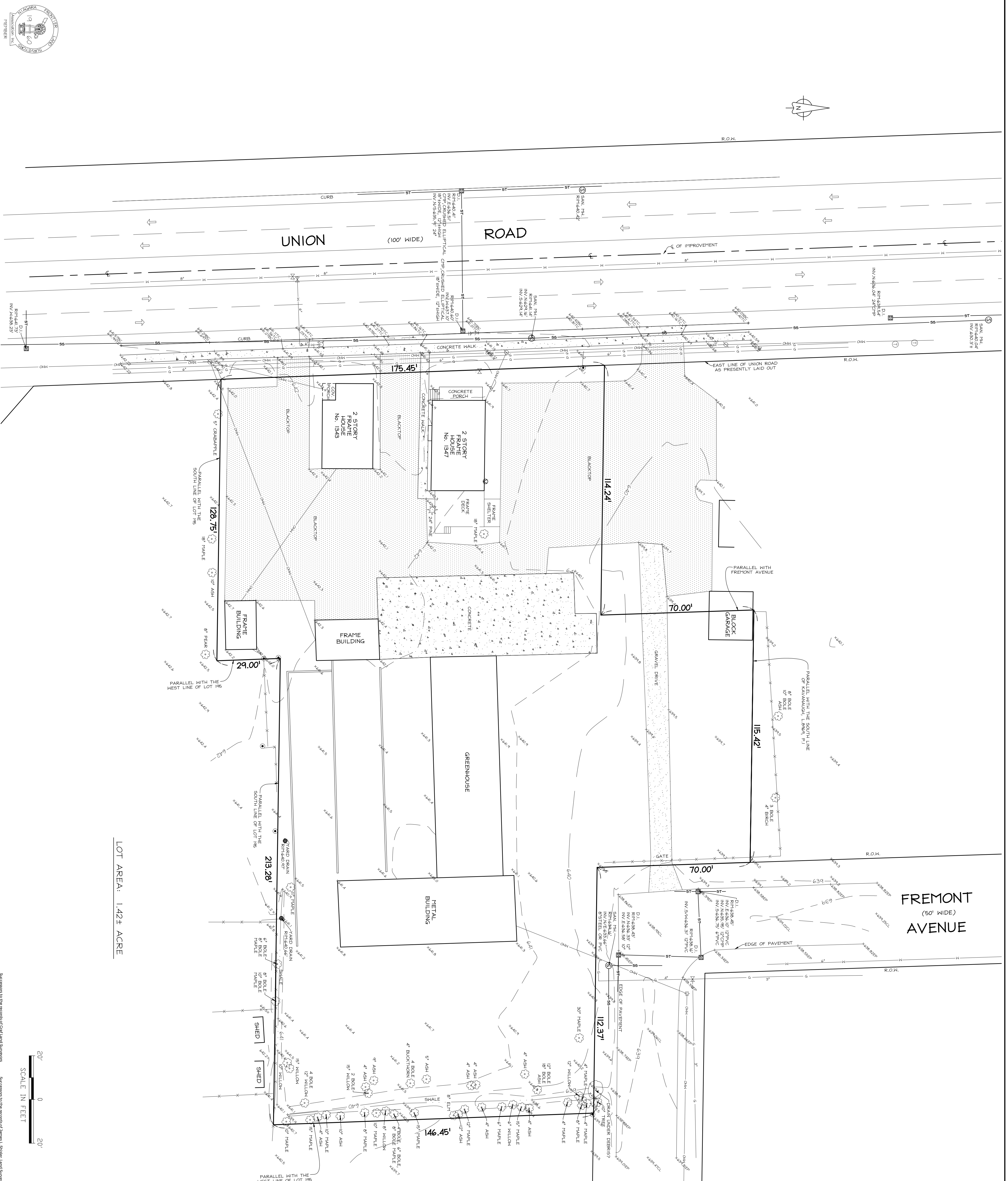
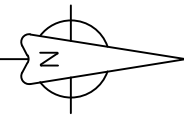


| DWG NO. | DRAWING TITLE                                  |
|---------|--|
| —       | COVER SHEET                                    |
| C-001   | TOPOGRAPHIC SURVEY (Nussbaumer & Clarke, Inc.) |
| C-002   | DEMOLITION & EROSION CONTROL PLAN              |
| C-100   | DEMOLITION & EROSION CONTROL DETAILS           |
| C-101   | SITE PLAN                                      |
| C-200   | SITE DETAILS                                   |
| C-300   | GRADING PLAN                                   |
| C-301   | STORM DRAINAGE PLAN                            |
| C-400   | STORM DRAINAGE DETAILS                         |
| C-401   | UTILITY PLAN                                   |
| C-402   | UTILITY DETAILS                                |
| C-500   | SITE LIGHTING PLAN                             |
| C-501   | SITE LIGHTING DETAILS                          |
| C-502   | SITE LIGHTING DETAILS                          |
| L-100   | LANDSCAPE PLAN                                 |
| MPT-1   | MAINTENANCE & PROTECTION OF TRAFFIC PLAN       |

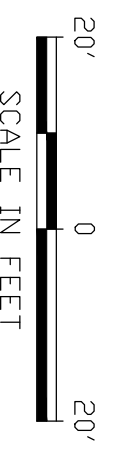
## October 2020

| REVISIONS: |  |         |
|------------|--|---------|
| No.        | Description                            | Date    |
| 1          | Updated Site Layout per Daniele Family | 8/16/21 |

**Proposed Carwash**  
 1353, 1347, 1343 Union Rd & 0 Fremont Ave  
 Town of West Seneca, New York 14224  
**SITE DEVELOPMENT DRAWINGS**



LOT AREA: 1.42± ACRE



- NOTES**
- ELEVATIONS ARE BASED UPON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
  - THE LAYOUT AND DIMENSIONS OF ALL UTILITIES SHOWN ON THIS PLAN ARE BASED UPON THE RECORD DRAWINGS AND FIELD SURVEY. THE LAYOUT AND DIMENSIONS OF ALL UTILITIES SHOWN ON THIS PLAN ARE BASED UPON THE RECORD DRAWINGS AND FIELD SURVEY. THE LAYOUT AND DIMENSIONS OF ALL UTILITIES SHOWN ON THIS PLAN ARE BASED UPON THE RECORD DRAWINGS AND FIELD SURVEY.
  - A DESIGN INQUIRY TICKET #6021544-001 WAS OBTAINED AND DISCLOSED TO THE RECORD DRAWINGS AND FIELD SURVEY. THE LAYOUT AND DIMENSIONS OF ALL UTILITIES SHOWN ON THIS PLAN ARE BASED UPON THE RECORD DRAWINGS AND FIELD SURVEY.
- LEGEND**
- SANITARY MANHOLE
  - STORM MANHOLE
  - TELEPHONE MANHOLE
  - VALVE
  - SANITARY VENT
  - DRAINAGE INVERT
  - TRAP DRAIN
  - LIGHT POLE
  - UTILITY POLE
  - WATER VALVE
  - FIRE HYDRANT
  - IRON (AS NOTED)
  - GAS
  - OVERHEAD WIRE
  - UNDERGROUND GAS LINE
  - UNDERGROUND WATER LINE
  - UNDERGROUND ELECTRIC LINE
  - SANITARY SEWER
  - STORM SEWER

Revised 10/29/19. Items added to survey.

509 Main Street, P.O. Box 316, East Aurora, NY 14252  
 P 716 655-1058 F 716 655-1964 www.nussbaumer.com

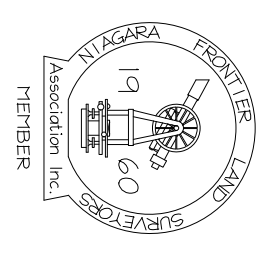
**TOPOGRAPHIC SURVEY**  
 Part of Lots 194 & 195  
 1343 & 1347 Union Road  
 Ebenezer Land  
 Town of West Seneca  
 County of Erie, State of New York

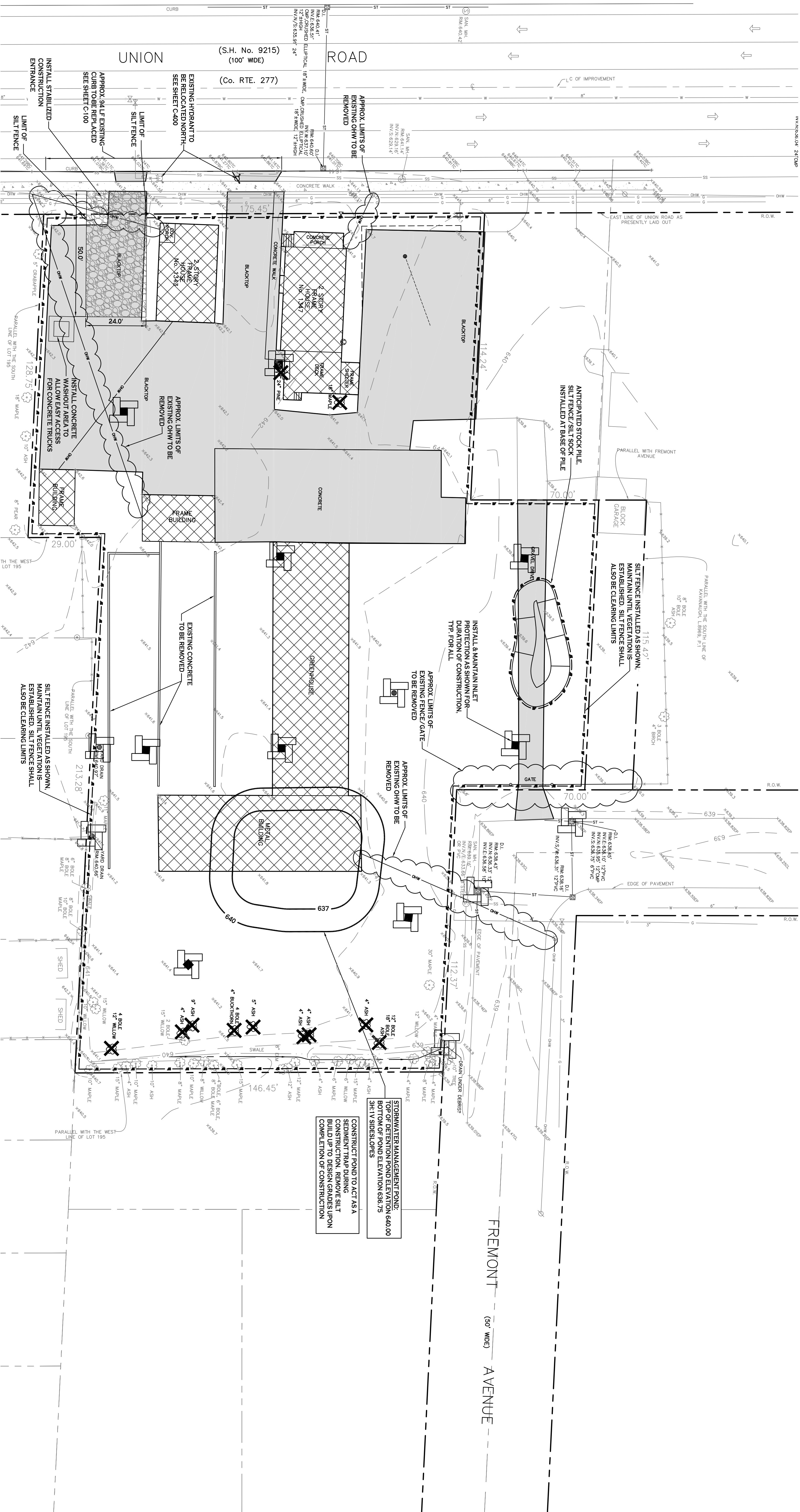
Date of Survey: 5/2/19 Date of Last Revision: 10/30/19 Project No.: 1913-0198

Scale: 1"=20'

*Robert A. Kuylen*

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 This survey was prepared without the benefit of a title search. The surveyor assumes no responsibility for the accuracy of the survey. The surveyor is not responsible for the accuracy of the survey. The surveyor is not responsible for the accuracy of the survey.





## DEMOLITION & EROSION CONTROL PLAN



SCALE: 1"=20'

### NOTES:

1. THE CONTRACTOR SHALL TAKE PRECAUTIONS TO PROTECT THOSE ITEMS TO REMAIN, SUCH AS TREES, PROPERTY CORNER PINS, UTILITY POLES, VALVES, HYDRANTS, CURBS, MANHOLES AND CATCH BASINS.
2. TEMPORARY SILT FENCE AND STRAW BALES TO BE INSTALLED AS DIRECTED BY THE OWNERS FIELD REPRESENTATIVE. MAINTAIN UNTIL VEGETATION IS ESTABLISHED AND PAVEMENT IS INSTALLED.
3. FOR THOSE STRUCTURES TO BE DEMOLISHED, ALL EXISTING UTILITY SERVICES SHALL BE ABANDONED IN ACCORDANCE WITH LOCAL REGULATIONS. ALL METERS SHALL BE RETURNED TO PROPER OWNERS.
4. THE CONTRACTOR SHALL INSTALL STABILIZED CONSTRUCTION ENTRANCES WHERE ACCESSING THE SITE FROM PAVED ROADWAYS.
5. THE CONTRACTOR SHALL INSTALL TEMPORARY TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH NYS MUT.C.D. STANDARDS PRIOR TO STARTING WORK.
6. ADD SILT BAGS TO ALL CATCH BASINS. CATCH BASINS ARE TO RECEIVE REGULAR MAINTENANCE THROUGHOUT THE ENTIRE PROJECT.
7. COVERED DUMPSTERS SHALL BE PROVIDED ON SITE AS REQUIRED FOR CONSTRUCTION WASTE.
8. SILT SOCK (COMBOS FILTER SOCK) CAN BE USED AS AN ACCEPTABLE SUBSTITUTE FOR SILT FENCE PER THE NYS STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL. BOTH SILT SOCKS AND FENCE CAN BE USED WHERE EROSION WILL OCCUR IN THE FORM OF SHEET EROSION WITH NO CONCENTRATION OF WATER FLOWING TO THE BARRIER. BOTH PRACTICES CAN BE UTILIZED AT THE PERMETER OF THE SITE.
9. BAYS TO BE CLEARED AND GRADED TO DESIGN GRADES FOLLOWING CONSTRUCTION. TOPSOIL & SEED FOLLOWING CLEANING.
10. A EMAIL COPY OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) WEEKLY INSPECTION REPORTS ARE TO BE PROVIDED TO THE TOWN.
11. TEMPORARY SILT FENCES TO BE INSTALLED AT THE BASE OF ALL TEMPORARY STOCK PILE AREAS AND REMAIN UNTIL VEGETATION IS ESTABLISHED.
12. STUMPS AND BRUSH SHALL NOT BE BURIED ON THE SITE OR IN THE TOWN AND THAT TOPSOIL MAY NOT BE REMOVED FROM THE WORK SITE WITHOUT A PERMIT.
13. THE CLEANING LIMIT STACKED SHALL BE APPROVED BY THE ENGINEERING DEPARTMENT PRIOR TO COMMENCING ANY SITE CLEANING ACTIVITIES.

### EROSION CONTROL PLAN

THE FOLLOWING EROSION CONTROL PROCEDURE SHALL BE ADHERED TO BY THE CONTRACTOR:

1. INSTALL TEMPORARY SILT FENCE BARRIERS AS DIRECTED BY THE OWNER AND AT ALL EXISTING STORMWATER CATCH BASINS WITHIN THE WORK AREA TO PREVENT SEDIMENT MIGRATION. ALL SILT FENCE BARRIERS SHALL BE INSTALLED IN ACCORDANCE WITH THE DETAILS SHOWN ON THE PLANS.
2. THE TOPSOIL SHALL BE STRIPPED AND STOCKPILED ON SITE FOR REUSE, AS DIRECTED BY THE OWNER. ALL LOCAL ORDINANCES REGARDING THE SALE OF TOPSOIL MUST BE FOLLOWED. TOPSOIL MAY NOT BE REMOVED WITHOUT A PERMIT.
3. ALL SILT FENCE BARRIERS SHALL BE REPLACED WHENEVER THEY BECOME CLOGGED OR INOPERABLE.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE AND REMOVAL OF TEMPORARY SEDIMENTATION CONTROLS.
5. THE CONTRACTOR MUST CONTROL DUST DURING CONSTRUCTION. DURING EARTHWORK OPERATIONS, WATER SPREADING EQUIPMENT SHALL BE PROVIDED BY THE CONTRACTOR, AND WATER SPREAD AS NECESSARY AND AS DIRECTED BY THE OWNER IN ORDER TO CONTROL DUST.
6. DIRT OR DEBRIS LEFT ON LOCAL PUBLIC ROADS AS A RESULT OF THIS CONSTRUCTION PROJECT SHALL BE REMOVED AND ROAD SURFACES CLEANED BY THE CONTRACTOR ON A DAILY BASIS.
7. ALL DISTURBED AREAS EXCEPT AREAS TO BE PAVED OR BUILT UPON SHALL BE TOPSOILED TO A MINIMUM 4" DEPTH AND SEEDED IMMEDIATELY AFTER FINE GRADING TAKES PLACE AND AS SOON AS PHYSICALLY POSSIBLE.
8. THE CONTRACTOR IS RESPONSIBLE FOR THE MAINTENANCE OF DOWNSTREAM STORM SEWERS, DITCHES, AND CULVERTS. SILT BUILDUP DURING CONSTRUCTION TO BE A RESULT OF THIS SITE CONSTRUCTION WORK SHALL BE REMOVED FROM DOWNSTREAM CULVERTS BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER OR THE CITY.
9. ALL SOIL EROSION AND SEDIMENT CONTROL DEVICES AND MATERIALS SHALL BE IN PLACE PRIOR TO BEGINNING EARTHWORK OPERATIONS AND SHALL BE MAINTAINED UNTIL THE NEW SLOPES ARE STABILIZED WITH SEEDING AND/OR SLOPE PROTECTION AS DIRECTED BY THE ENGINEER.
10. INSTALL TEMPORARY SILT FENCE AROUND THE BASE OF STOCKPILES.

### SEQUENCE OF MAJOR ACTIVITIES

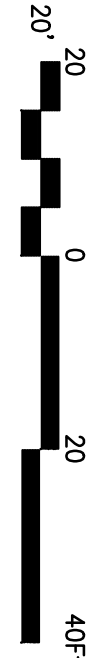
- A. Conduct site walk-through for identifying existing erosion control and storm water management control measures. The contractor may designate these tasks to various sub-contractors as he sees fit, but the contractor remains responsible for implementing these controls and ensuring their proper functioning in accordance with the Contract. The order of tasks will be as follows:
- B. Conduct temporary construction site sit location survey on the Demolition & Erosion Control Plan Sheet.
- C. Install perimeter silt fence with the business hours on the Demolition & Erosion Control Plan Sheet.
- D. Construction of storm water management pond area.
- E. Construct new grading.
- F. Disturbed areas of the site have construction activity, the covered for seven (7) days shall be temporarily seeded and watered.
- G. Install silt fence.
- H. Finalize proposed utilities.
- I. Finalize proposed site preparation.
- J. Construct all work, including utility work, storm water management, as shown on the plan.
- K. Install temporary silt fence and perimeter silt fence at the perimeter of all sites.
- L. Disturb removal.
- M. Remove and protect material piles and materials on over time 4 days prior to placing stabilized base course.
- N. Install base material as required for pavement.
- O. Carry out final grading and seeding and limiting.
- P. Clean storm water discharge connection.
- Q. Remove all temporary silt fence, silt fence and covered surface on scheduled.
- R. Remove temporary construction site sit plan and permit construction at this site.

### INSPECTION AND MAINTENANCE PROCEDURES

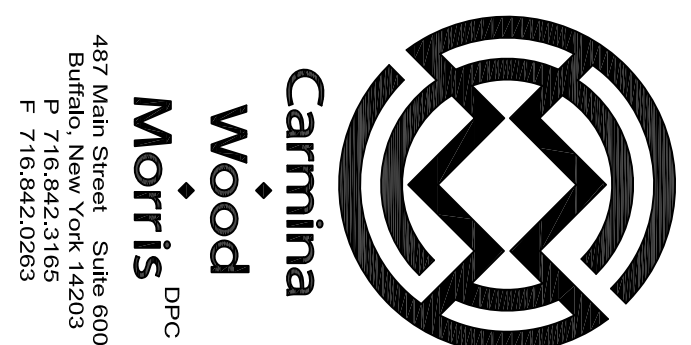
1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ASSIGNING AN INDIVIDUAL TO BE RESPONSIBLE FOR THE INSPECTION AND MAINTENANCE OF TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES. THE WORK MAY INCLUDE, BUT NOT LIMITED TO THE FOLLOWING:
  - 1.1. ALL EROSION CONTROL MEASURES SHALL BE INSPECTED AT LEAST ONCE EVERY SEVEN CALENDAR DAYS.
  - 1.2. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED IN GOOD WORKING ORDER. REPAIRS OR REPLACEMENTS SHALL BE REQUIRED TO REPLACE THE DAMAGED OR COMPLETED WITHIN 24 HOURS OF BEING REPORTED.
  - 1.3. CHECK AND REPAIR SILT FENCING AND STRAW BALE BARRIERS AS NECESSARY.
  - 1.4. TEMPORARY AND PERMANENT SEEDING AND PLANTING WILL BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND HEALTHY GROWTH AND REPAIRED AS NECESSARY.
  - 1.5. NEIGHBORING ROADWAYS WILL BE MONITORED TO ENSURE THAT ANY TRACKED MUD, DIRT, OR ROCK IS SWEEP AS NECESSARY.

### DEMOLITION & EROSION CONTROL LEGEND

- APPROXIMATE LIMITS OF EXISTING BUILDING
- APPROXIMATE LIMITS OF EXISTING CONSTRUCTION
- APPROXIMATE LIMITS OF PREVIOUS & REMOVED SURFACES TO BE CLEARED/REMOVED ABOVE & BELOW GROUND UNLESS NOTED OTHERWISE
- INSTALL SILT FENCE
- INSTALL STORM DRAINAGE INLET PROTECTION
- EXISTING LANDSCAPING TO BE REMOVED



| REVISIONS: | No. | Description                            | Date     |
|------------|-----|--|----------|
| △          | 1   | Rev. Pay Station Islands               | 11/30/20 |
| △          | 2   | Updated Site Layout per Daniele Family | 8/16/21  |



487 Main Street, Suite 600  
Buffalo, New York 14203  
F 716.842.0283

**PROJECT NAME:**  
New Construction  
**Proposed Carwash**  
1353, 1347, 1343 Union Road & 0 Fremont Ave  
West Seneca, New York 14224

Issued for Construction: xx.xx.xx  
Municipality Submission: 9/11/20  
Drawn by: Carmina Wood Morris  
Scale: As Noted  
**DRAWING NAME:**  
Demolition & Erosion Control  
Plan  
DRAWING NO.:  
**C-001**  
Project no.: 20.085

| REVISIONS: |             | Date |
|------------|-------------|------|
| No.        | Description |      |
|            |             |      |

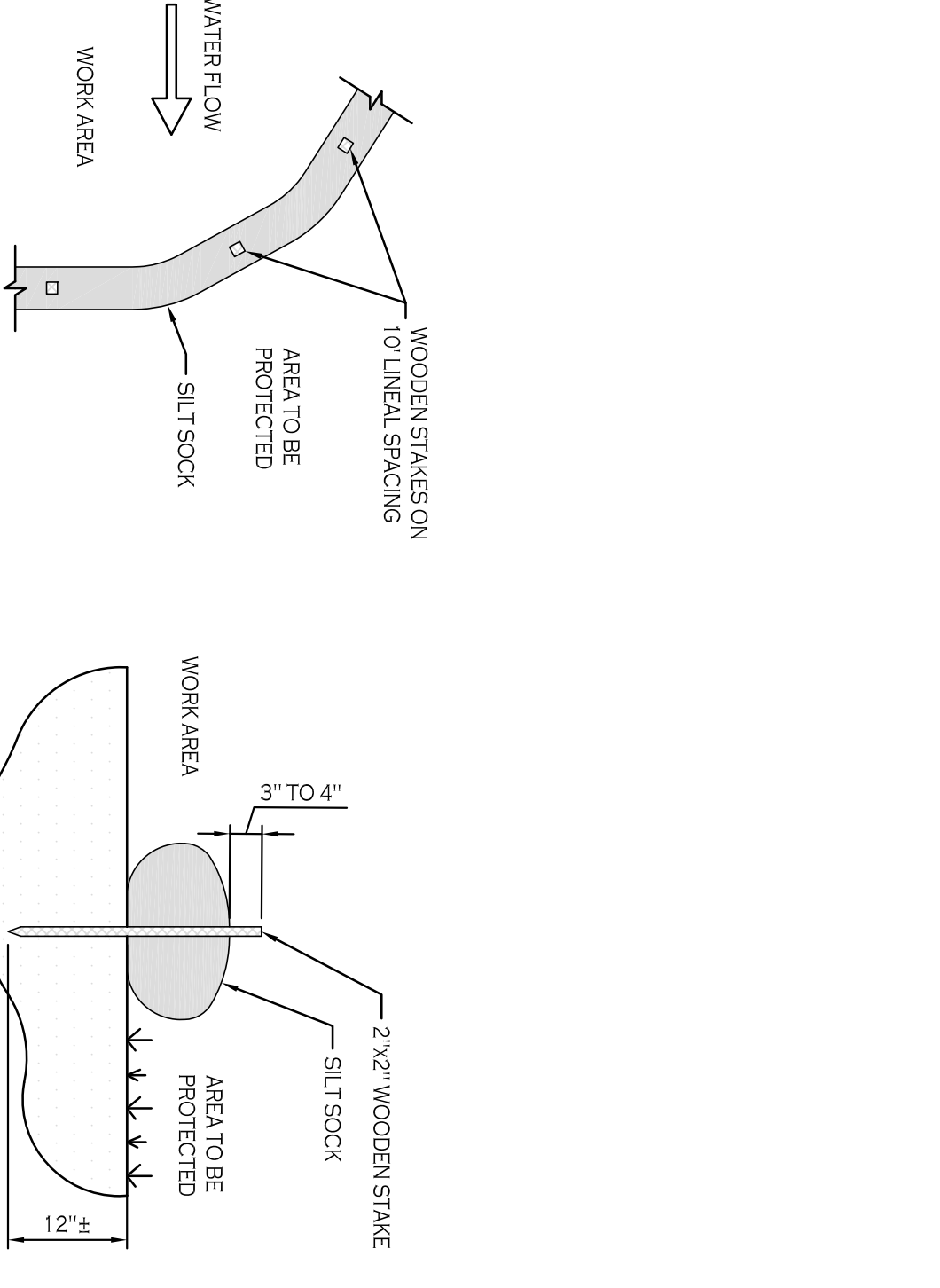
PROJECT NAME:  
**New Construction**  
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 1353, 1347, 1343 Union Road & 0 Fremont Ave  
 West Seneca, New York 14224

Issued for Construction: xx.xx.xx  
 Municipality Submission: 9/11/20  
 Drawn by: C. Wood  
 Scale: As Noted

DRAWING NAME:  
**Demolition & Erosion Control**  
 Details

DRAWING NO.:  
**C-002**

Project no.: 20.085



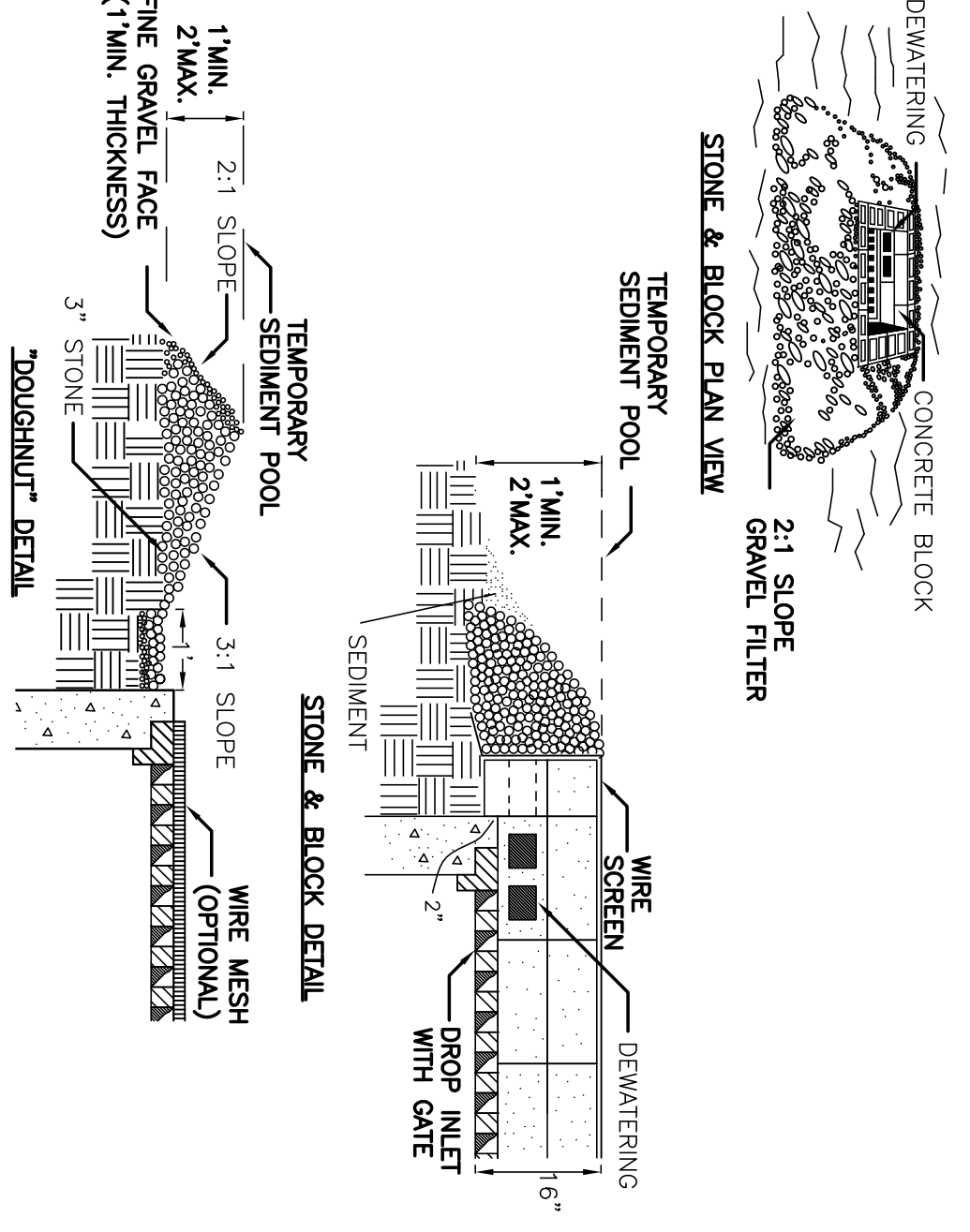
**NOTES:**  
 CONTRACTOR SHALL INSPECT AND MAINTAIN SILT SOCK AS NEEDED DURING THE DURATION OF CONSTRUCTION PROJECT.  
 EXPOSED HEIGHT OF THE SILT SOCK ALTERNATIVE, RATHER THAN CREATE A SOIL DISTRIBUTING ACTIVITY, THE ENGINEER SHALL BE ADVISED IN WRITING. AREAS OF HIGH SEDIMENTATION PLACED IMMEDIATELY UP/ON TOP OF THE EXISTING SEDIMENT LAYER SILT SOCK.

**SILT SOCK DETAIL**

N.T.S.

**CONSTRUCTION SPECIFICATIONS**

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



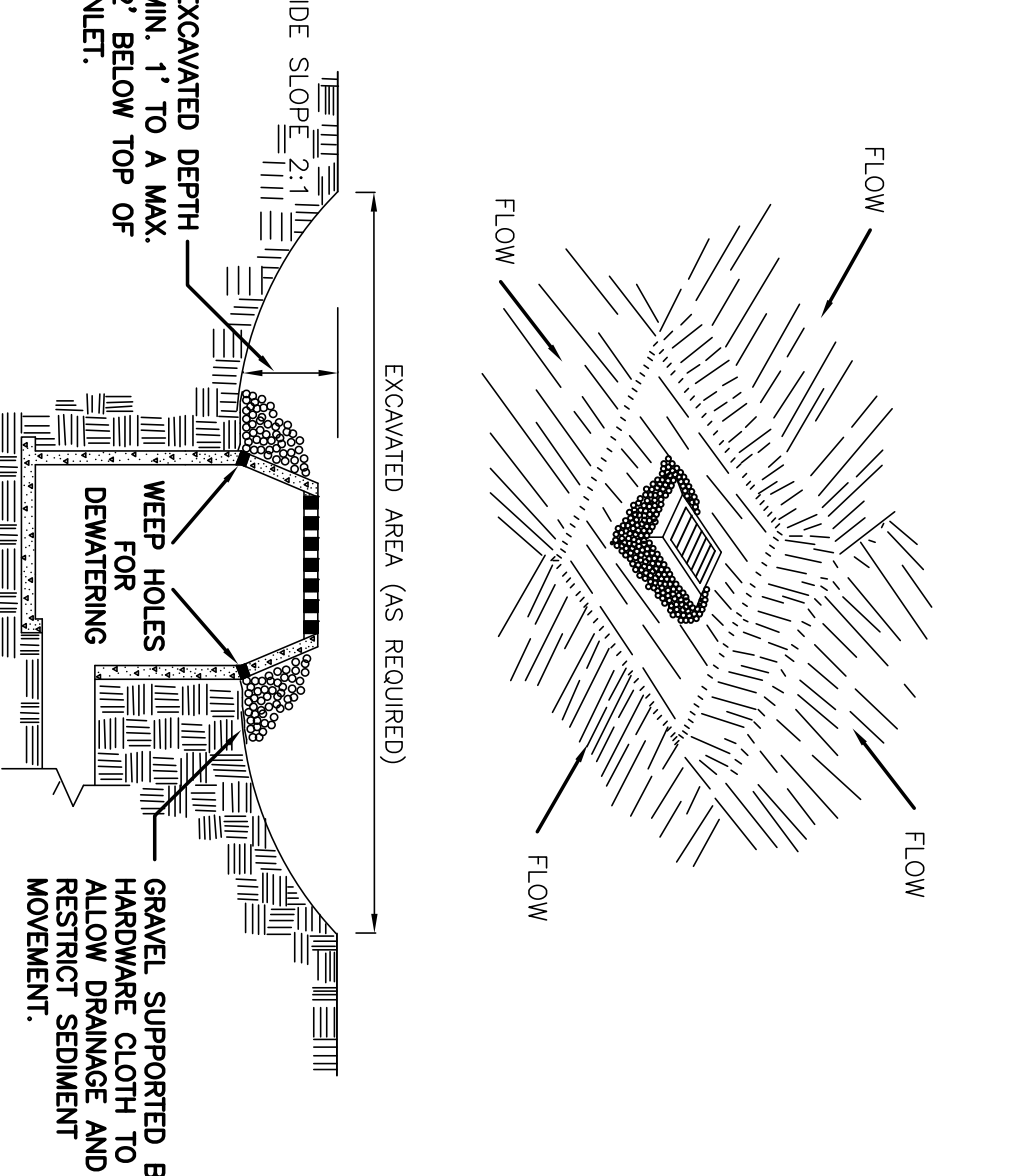
**CONSTRUCTION SPECIFICATIONS**

- FILTER FABRIC SHALL HAVE AN FOS OF 40-85. BURLAP MAY BE USED FOR SHORT TERM APPLICATIONS.
- CUT FABRIC FROM A CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED THEY WILL BE OVERLAPPED TO THE NEXT STAKE.
- STAKE MATERIALS WILL BE STANDARD 2" x 4" WOOD OR EQUIVALENT. METAL WITH A MINIMUM LENGTH OF 3 FEET.
- SPACE STAKES EVENLY AROUND INLET. 3 FEET APART AND DRIVE A MINIMUM 18 INCHES DEEP SPANS GREATER THAN 3 FEET MAY BE BRIDGED WITH THE USE OF WIRE MESH BEHIND THE FILTER FABRIC FOR SUPPORT.
- FABRIC SHALL BE EMBEDDED 1 FOOT MINIMUM BELOW GROUND AND BACKFILLED. IT SHALL BE SECURELY FASTENED TO THE STAKES AND FRAME.
- A 2" x 4" WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE FABRIC FOR OVER FLOW STABILITY.  
 MAXIMUM DRAINAGE AREA 1 ACRE

**INLET PROTECTION DETAIL 2**

NOT TO SCALE

NOTE: INSTALL ONE OF THE INLET PROTECTION OPTIONS SHOWN FOLLOWING INSTALLATION OF THE PROPOSED C.B.S.

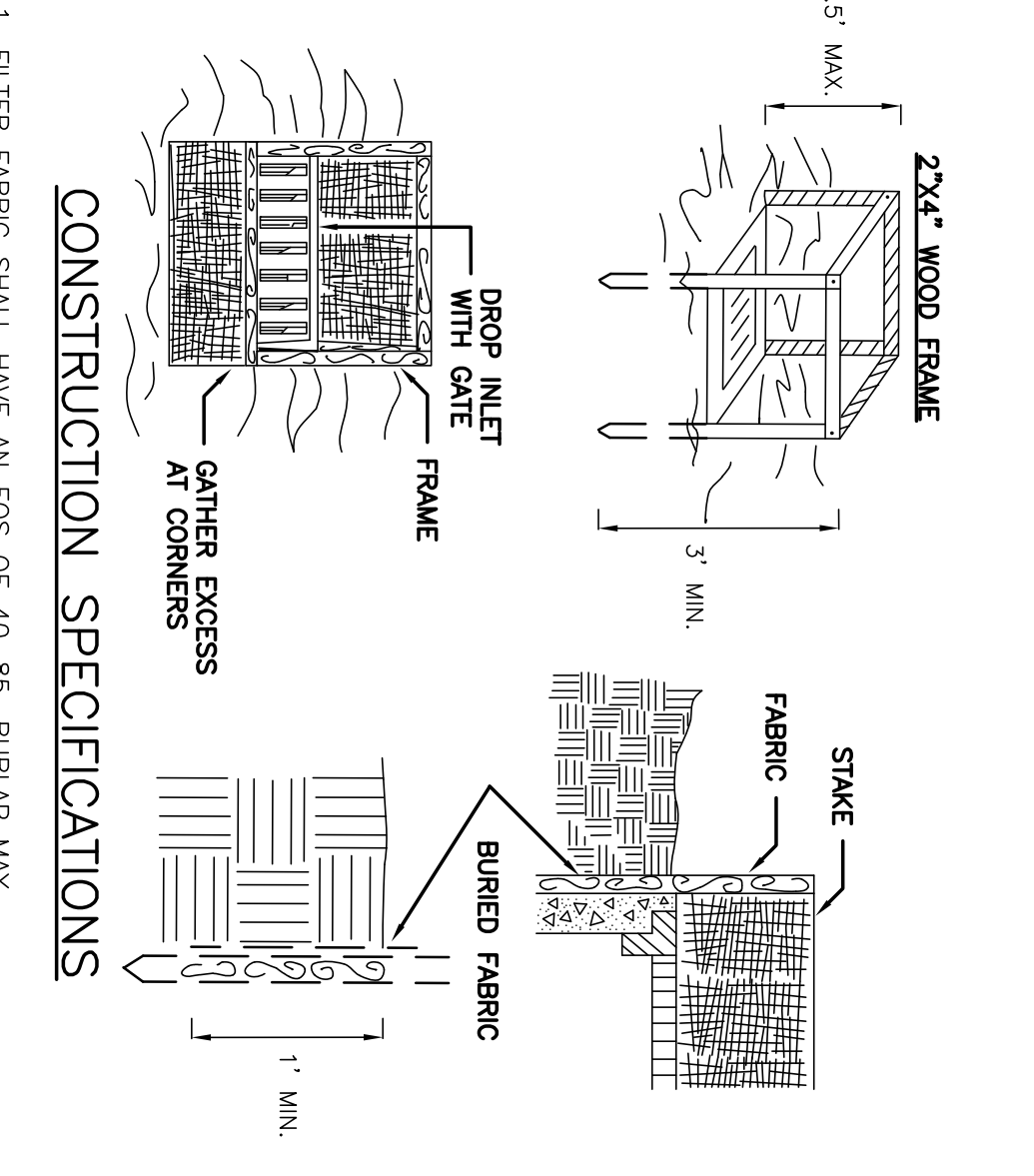


**CONSTRUCTION SPECIFICATIONS**

- CLEAR THE AREA OF ALL DEBRIS THAT WILL HINDER EXCAVATION.
- GRADE APPROACH TO THE INLET UNFORMALLY AROUND THE BASIN.
- WEEP HOLES SHALL BE PROTECTED BY GRAVEL.
- UPON STABILIZATION OF CONTIGUOUS DRAINAGE AREA, SEAL WEEP HOLES, AND STABILIZE WITH STABLE SOIL TO FINAL GRADE. COMPACT IT PROPERLY.  
 MAXIMUM DRAINAGE AREA 1 ACRE

**INLET PROTECTION DETAIL 1**

NOT TO SCALE

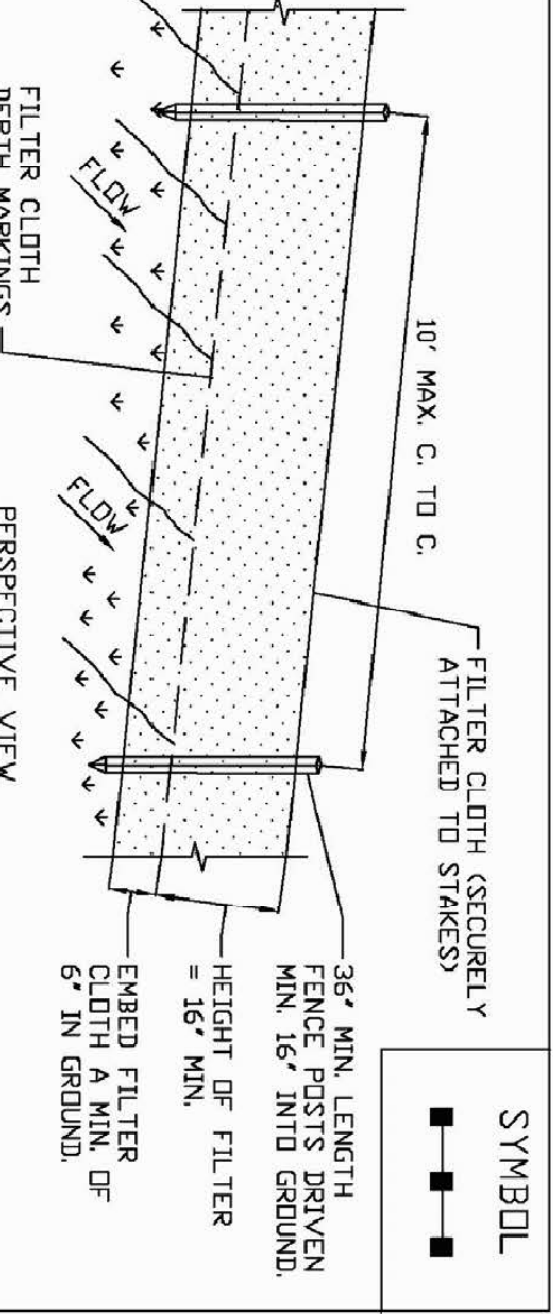


**CONSTRUCTION SPECIFICATIONS**

- FILTER FABRIC SHALL HAVE AN FOS OF 40-85. BURLAP MAY BE USED FOR SHORT TERM APPLICATIONS.
- CUT FABRIC FROM A CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED THEY WILL BE OVERLAPPED TO THE NEXT STAKE.
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 MAXIMUM DRAINAGE AREA 1 ACRE

**INLET PROTECTION DETAIL 2**

NOT TO SCALE



**CONSTRUCTION SPECIFICATIONS**

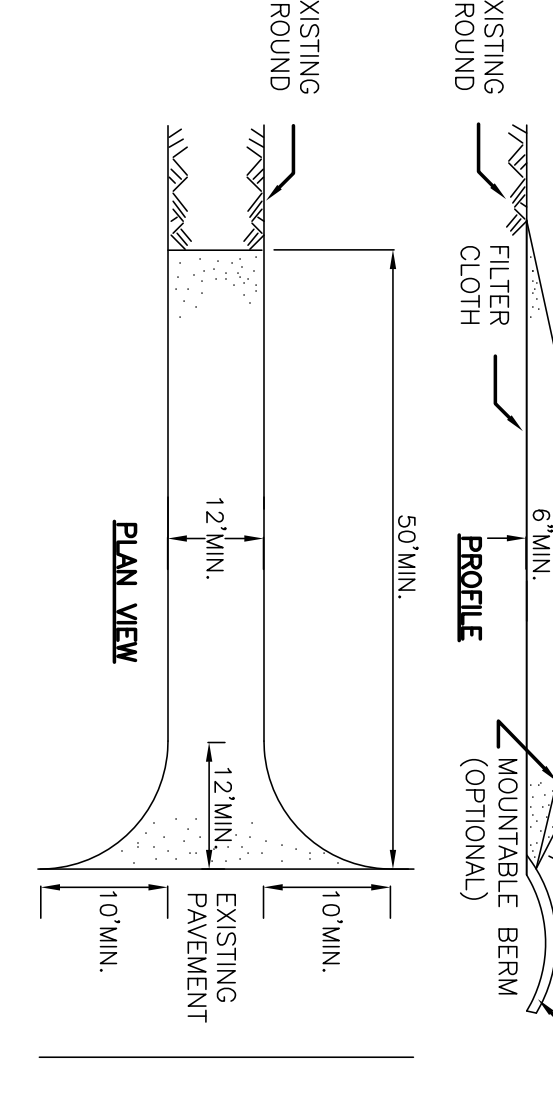
- WOVEN FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER 1" OR 1 1/2" TYPE OR HARDWOOD.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FILTERED FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFET 100X, STABILINKA 1140N, OR APPROVED EQUIVALENT.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN 'BULGES' DEVELOP IN THE SILT FENCE.

**CONSTRUCTION SPECIFICATIONS**

- 3/4" MIN FENCE POST - POSTS SHALL BE A MINIMUM OF 1/4" BELOW THE EXISTING GRADE.
- UNDISTURBED GROUND
- EMBED FILTER CLOTH A MIN. OF 6" IN GROUND.
- COMPACTED SOIL
- FLOW
- 3/4" MIN FENCE POST ATTACHED TO POST
- 10' MAX. C. TO C.
- 16" MIN. FILTER CLOTH DEPTH MARKINGS
- 16" MIN. HEIGHT OF FILTER
- 6" IN GROUND. EMBED FILTER CLOTH A MIN. OF

**SILT FENCE (WITHOUT WIRE MESH BACKING)**

NOT TO SCALE

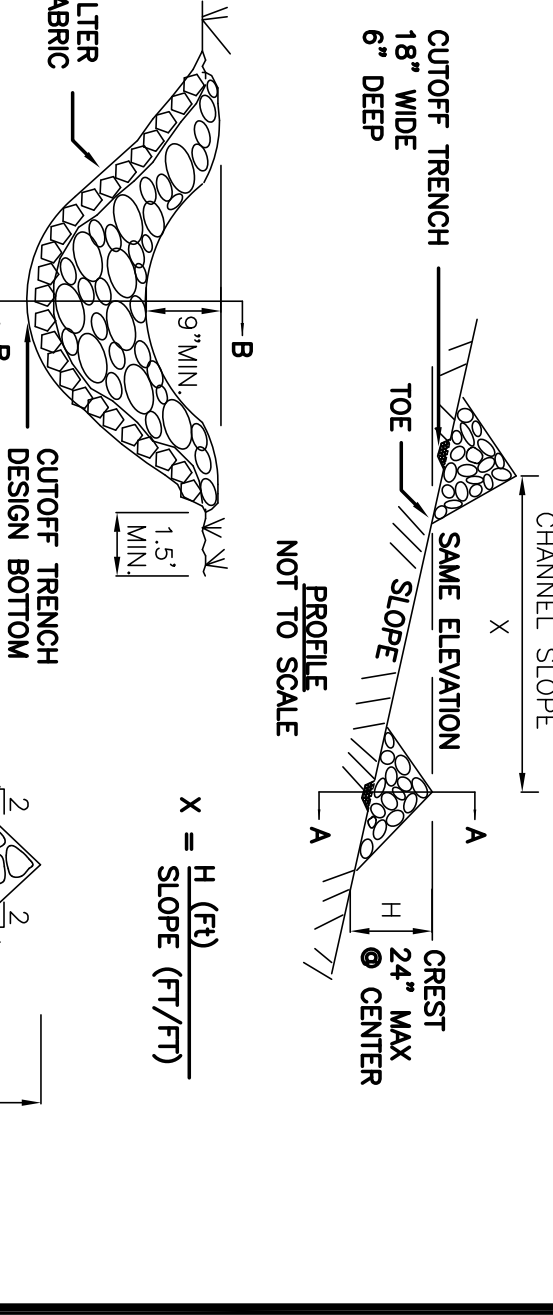


**CONSTRUCTION SPECIFICATIONS**

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

**STABILIZED CONSTRUCTION ENTRANCE DETAIL**

NOT TO SCALE



**CONSTRUCTION SPECIFICATIONS**

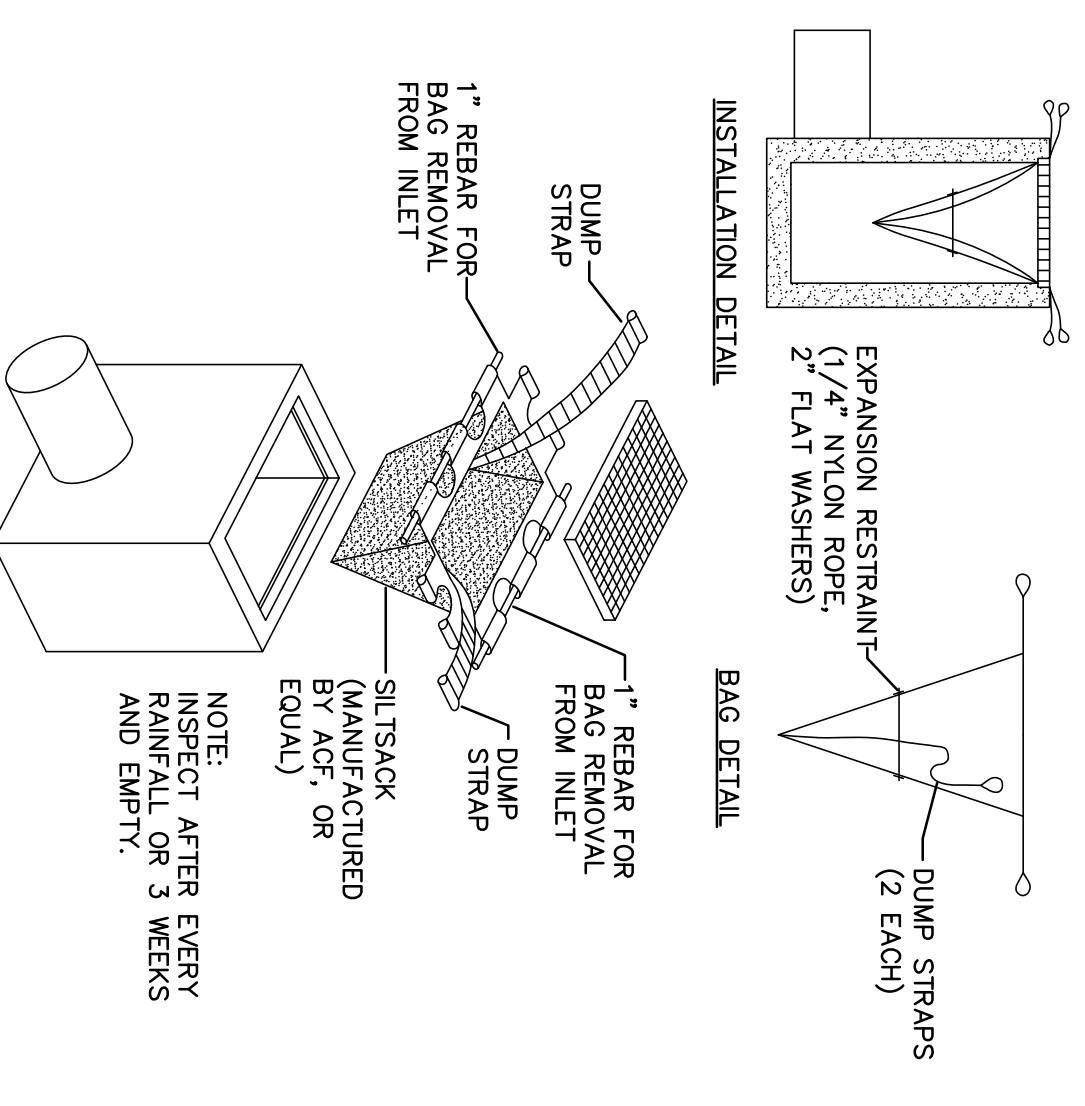
- STONE WILL BE PLACED ON A FILTER FABRIC FOUNDATION TO THE LINES.
- SET SPACING OF CHECK DAMS TO ASSURE THAT THE ELEVATIONS OF THE CREST OF THE DOWNSTREAM DAM IS AT THE SAME ELEVATION OF THE TOE OF THE UPSTREAM DAM.
- EXTEND THE STONE A MINIMUM OF 1.5 FEET BEYOND THE DITCH BANKS TO PREVENT CUTTING AROUND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

**STONE CHECK DAM DETAIL**

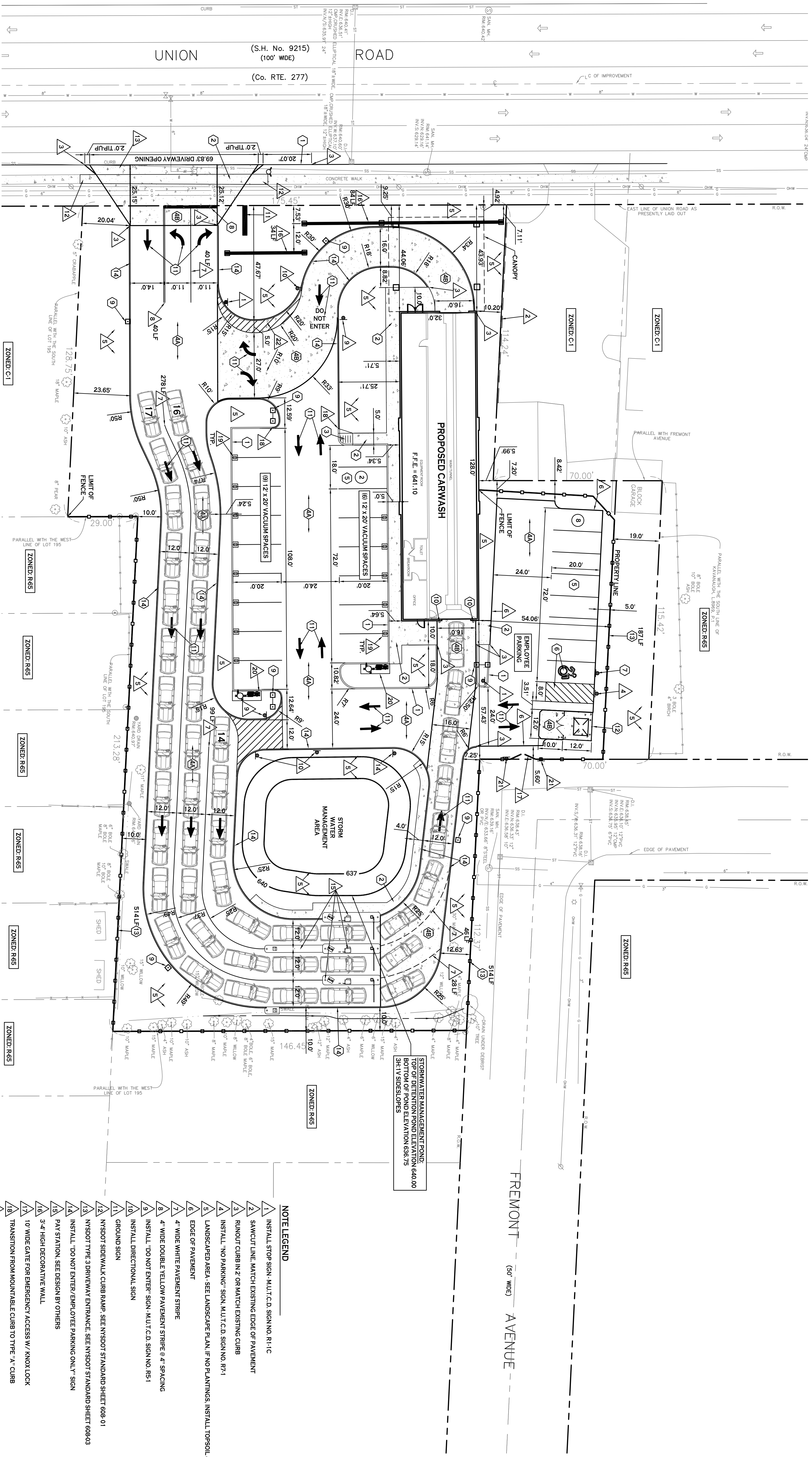
NOT TO SCALE

**SILT SACK DETAIL**

NOT TO SCALE



NOTE: INSPECT AFTER EVERY RAINFALL OR 3 WEEKS AND EMPH-1.



- GENERAL NOTES:**
1. INSTALL ALL MATERIALS TO MANUFACTURER'S RECOMMENDATIONS AND BEST STANDARDS OF TRADE INVOLVED.
  2. SUBSTITUTIONS SHALL BE MADE ONLY WITH OWNER'S APPROVAL AND BE OF EQUIVALENT QUALITY TO WHAT IS SPECIFIED.
  3. WORK SHALL BE COMPLETED IN STRICT ACCORDANCE WITH ALL LOCAL CODES AND OSHA SAFETY RULES AND REGULATIONS.
  4. VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AT THE SITE. NOTIFY OWNER & ENGINEER OF DISCREPANCIES IN CONDITIONS SHOWN ON DRAWINGS PRIOR TO PROCEEDING WITH THE WORK.
  5. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF ANY EXISTING STRUCTURES TO REMAIN AND ANY FINISH MATERIAL INSTALLED WHILE WORKING ON OTHER COMPONENTS.
  6. CONTRACTOR SHALL KEEP JOB FREE OF DEBRIS AND MAKE FINAL CLEANUP TO SATISFACTION OF OWNER.
  7. CONTRACTOR SHALL ASCERTAIN THE LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION OF STRUCTURES AND SHALL BE RESPONSIBLE FOR PROTECTING ALL UTILITIES.
  8. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS NECESSARY TO PERFORM THE WORK.

- NOTES:**
1. ALL RADII SHALL BE 3' UNLESS OTHERWISE NOTED.
  2. ALL DISTURBED AREAS SHALL HAVE 4" MIN. OF TOPSOIL AND SEED. ALL DISTURBED UNSURFACED AREAS WITHIN THE VISUAL ROW SHALL BE RESTORED USING THE SAME TOPSOIL, SEED, AND MULCH AS THE UNDISTURBED AREAS. REFER TO THE STANDARD SPECIFICATION SECTION 713 LANDSCAPE DEVELOPMENT MATERIALS.
  3. ALL DIMENSIONS FROM PROPERTY LINES SHALL BE MEASURED PERPENDICULAR TO THE PROPERTY LINE.
  4. CENTER DIMENSIONS ARE APPROXIMATE. REFER TO ARCHITECTURAL DRAWINGS FOR LAYOUT DIMENSIONS.

**SITE PLAN**  
SCALE: 1"=20'

**SITE DATA**

SITE AREA = 1.42 AC  
ZONED: C-1 WITH UNION ROAD CORRIDOR REGULATIONS  
DESCRIPTION: PROPOSED CAR WASH W/ VACUUMS

| SETBACKS - BUILDING           | REQUIRED               | PROVIDED          |
|-------------------------------|------------------------|-------------------|
| FRONT:                        | 0 FT MIN. / 20 FT MAX. | 4.92 FT           |
| SIDE / REAR (ABUTTING COMM.): | 5 FT / 10 FT           | 5.92 FT / N/A     |
| SIDE / REAR (ABUTTING RES):   | 10 FT / 30 FT          | <10 FT / 54.06 FT |

SETBACKS - PARKING

| FRONT:                        | NO PARKING IN FRONT | N/A              |
|-------------------------------|---------------------|------------------|
| SIDE / REAR (ABUTTING COMM.): | 5 FT / 10 FT        | 7.28 FT / N/A    |
| SIDE / REAR (ABUTTING RES):   | 10 FT / 30 FT       | 5 FT / 5.60 FT** |

PARKING (STALL SIZE 9'x20')

| # OF SPACES - SEE CALCULATION BELOW | 15 | 10** |
|-------------------------------------|----|------|
|-------------------------------------|----|------|

MAX. BUILDING HEIGHT: 40 FT MAX. < 40 FT

- DETAIL LEGEND** SEE SITE DETAIL SHEET
- 1 TYPE "X" CONCRETE CURB
  - 2 CONCRETE SIDEWALK
  - 3 SIDEWALK CURB RAMP
  - 4 STANDARD DUTY ASPHALT
  - 5 EXTERIOR CONCRETE SLAB ON GRADE
  - 6 90° PARKING STALL
  - 7 HANDICAPPED PARKING SIGN
  - 8 STOP BAR
  - 9 LIGHT POLE FOUNDATION
  - 10 PIPE BOLLARD
  - 11 PAINTED TRAFFIC ARROWS
  - 12 DUMPSITE ENCLOSURE
  - 13 6" HIGH BOARD ON BOARD FENCE
  - 14 MOUNTABLE CURB

- NOTE LEGEND**
- 1 INSTALL STOP SIGN - MULTIC.D. SIGN NO. R-1-C
  - 2 SAWCUT LINE. MATCH EXISTING EDGE OF PAVEMENT
  - 3 ROUNDOFF CURB IN Z OR MATCH EXISTING CURB
  - 4 INSTALL "NO PARKING" SIGN - MULTIC.D. SIGN NO. R-7-1
  - 5 LANDSCAPED AREA - SEE LANDSCAPE PLAN. IF NO PLANTINGS, INSTALL TOPSOIL & SEED
  - 6 EDGE OF PAVEMENT
  - 7 4" WIDE WHITE PAVEMENT STRIPE
  - 8 4" WIDE DOUBLE YELLOW PAVEMENT STRIPE @ 4" SPACING
  - 9 INSTALL "DO NOT ENTER" SIGN - MULTIC.D. SIGN NO. R-5-1
  - 10 INSTALL DIRECTIONAL SIGN
  - 11 GROUND SIGN
  - 12 NYSDOT SIDEWALK CURB RAMP - SEE NYSDOT STANDARD SHEET 608-01
  - 13 NYSDOT TYPE 3 DRIVEWAY ENTRANCE - SEE NYSDOT STANDARD SHEET 608-03
  - 14 INSTALL "DO NOT ENTER/EMPLOYEE PARKING ONLY" SIGN
  - 15 PAV. STATION. SEE DESIGN BY OTHERS
  - 16 3'-4" HIGH DECORATIVE WALL
  - 17 10' WIDE GATE FOR EMERGENCY ACCESS W/ KNOX LOCK
  - 18 TRANSITION FROM MOUNTABLE CURB TO TYPE "X" CURB
  - 19 CONCRETE FOUNDATION FOR VACUUM BOOM MOUNT. SEE DESIGN BY OTHERS
  - 20 CONCRETE PAD FOR TURBINE COMPRESSOR. SEE DESIGN BY OTHERS
  - 21 "NO PARKING EMERGENCY FIRE ACCESS ENTRANCE" SIGN ON BOTH SIDES OF THE GATE
  - 22 4" WIDE YELLOW PAINT STRIPE @ 45° & 2.0 C.C. (NPTLL AREAS SHOWN)

- SITE LEGEND**
- PROPERTY LINE
  - PROPOSED CONCRETE CURB
  - PROPOSED CONCRETE SIDEWALK
  - PROPOSED ASPHALT PAVEMENT
  - PROPOSED SIGN
  - PROPOSED CONCRETE CURB
  - PROPOSED CONCRETE SIDEWALK
  - PROPOSED ASPHALT PAVEMENT
  - PROPOSED SIGN
  - PROPOSED PARKING NUMBER
  - PROPOSED LIGHT POLE & FIXTURE (18' W.H.)
  - PROPOSED BLDG MOUNTED LIGHT

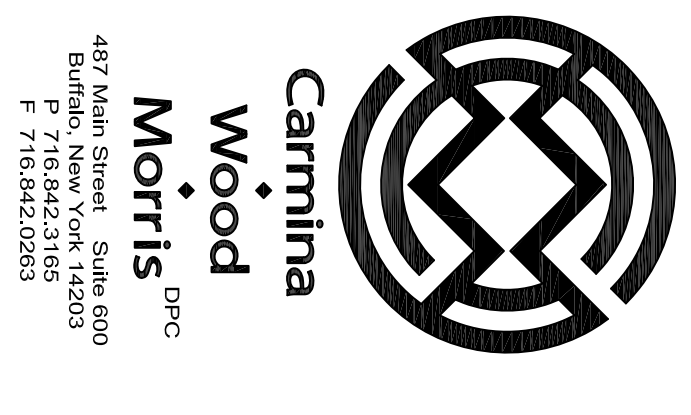
**PROJECT NAME:**  
New Construction  
**Proposed Carwash**  
1353, 1347, 1343 Union Road & 0 Fremont Ave  
West Seneca, New York 14224

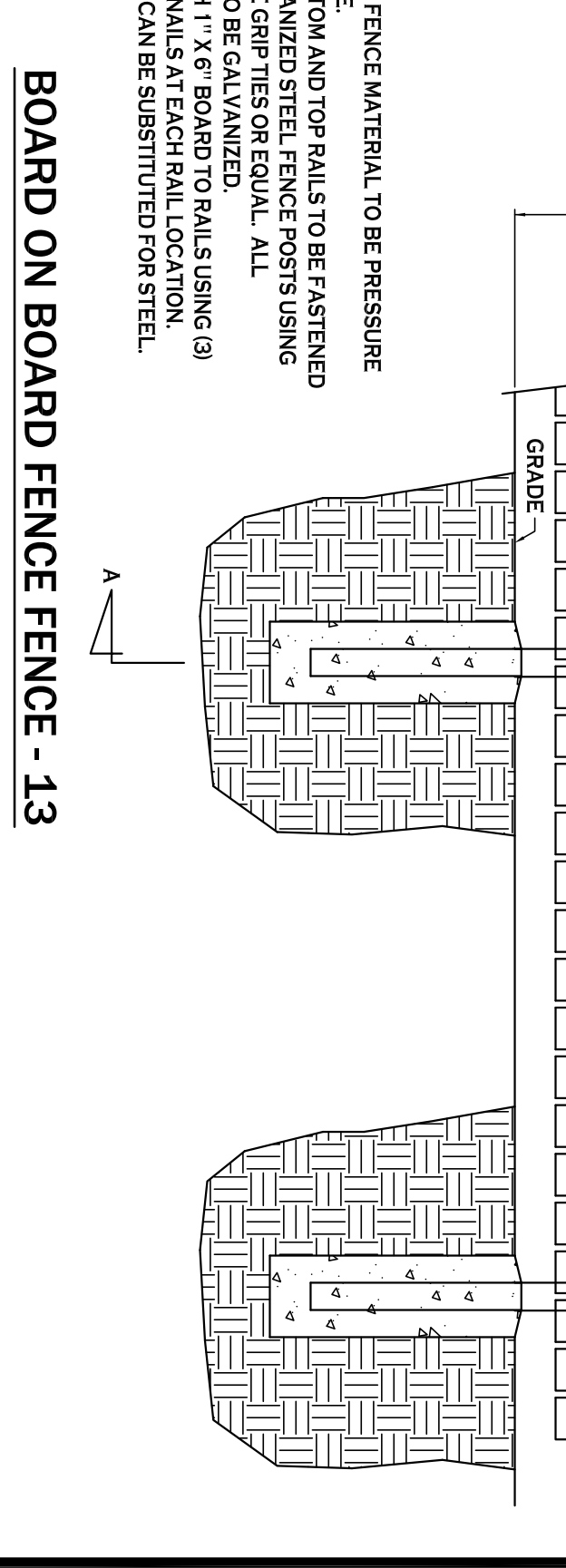
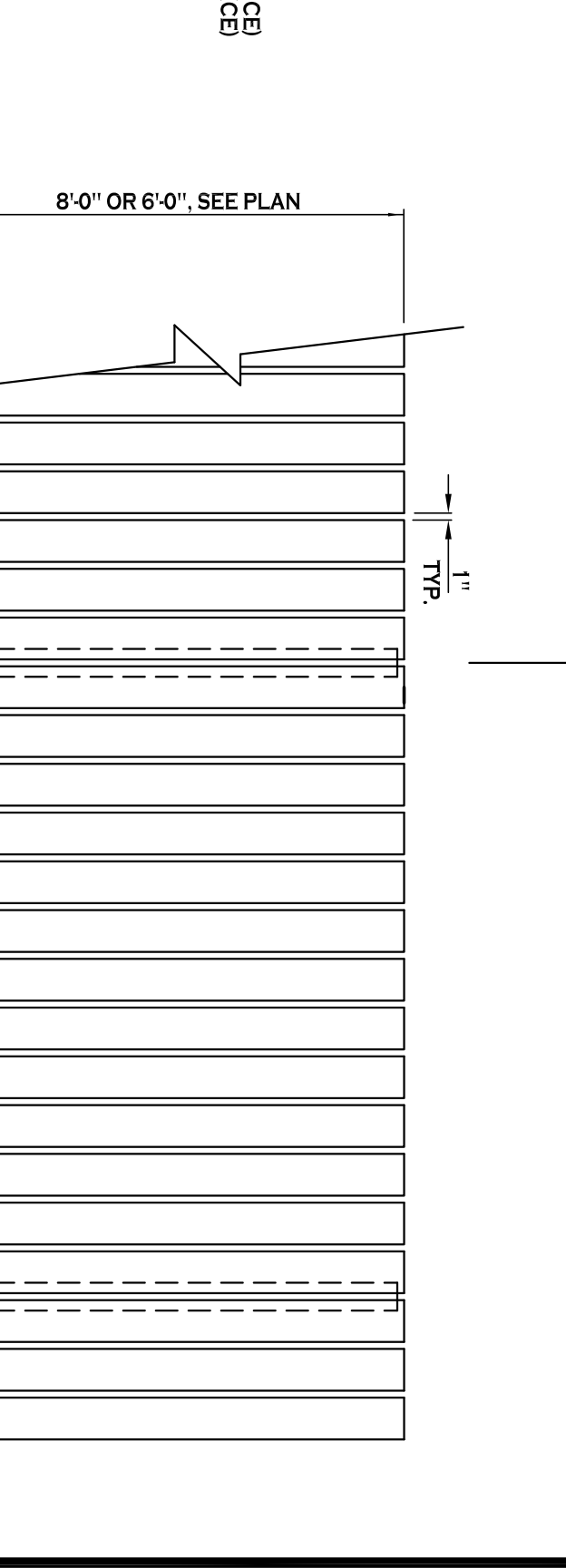
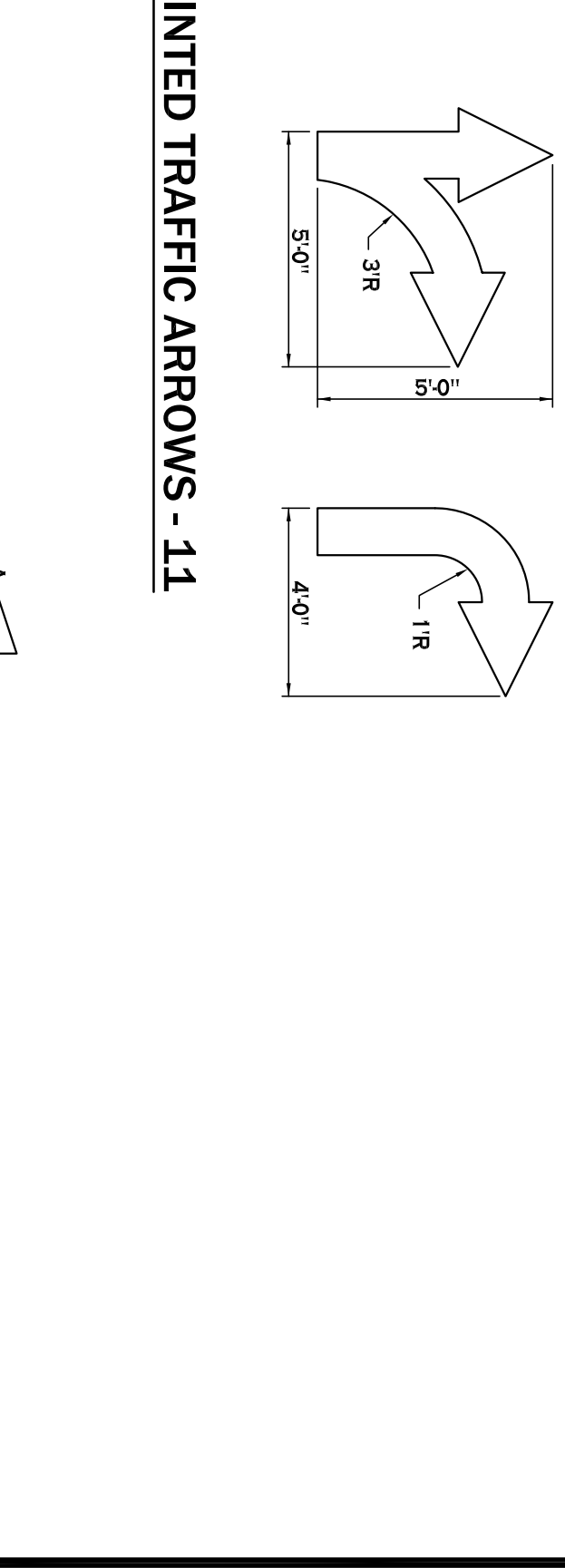
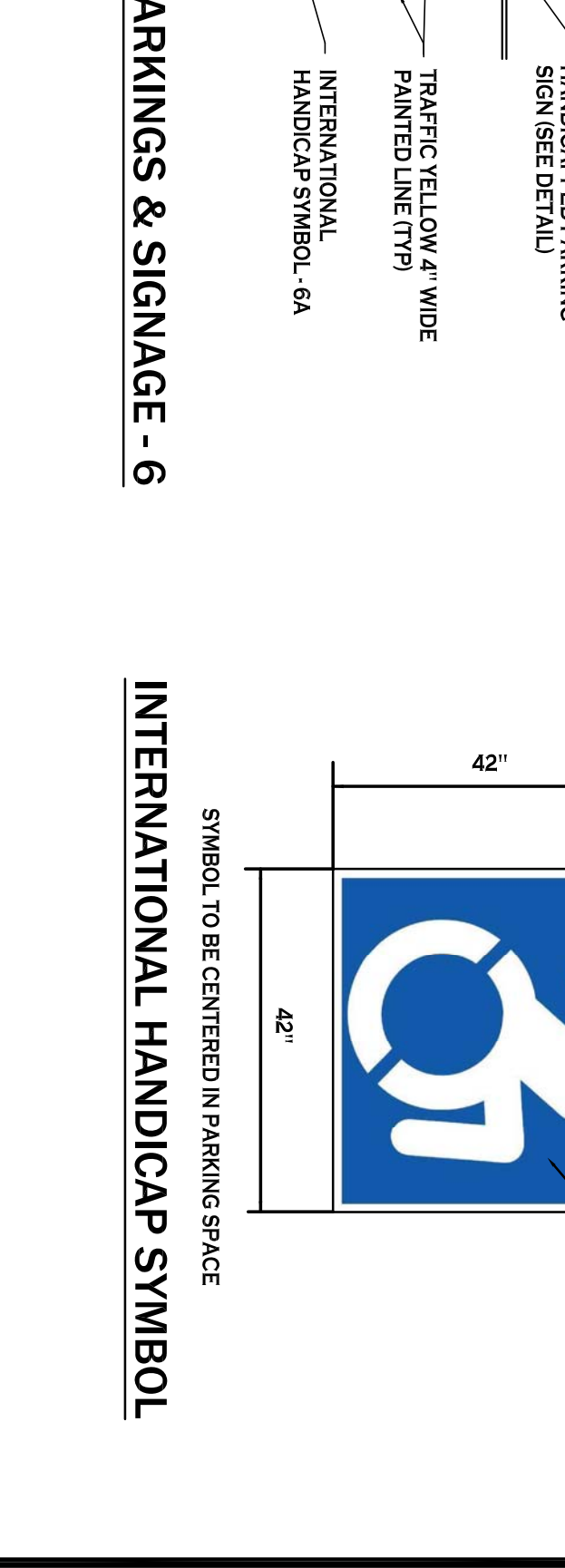
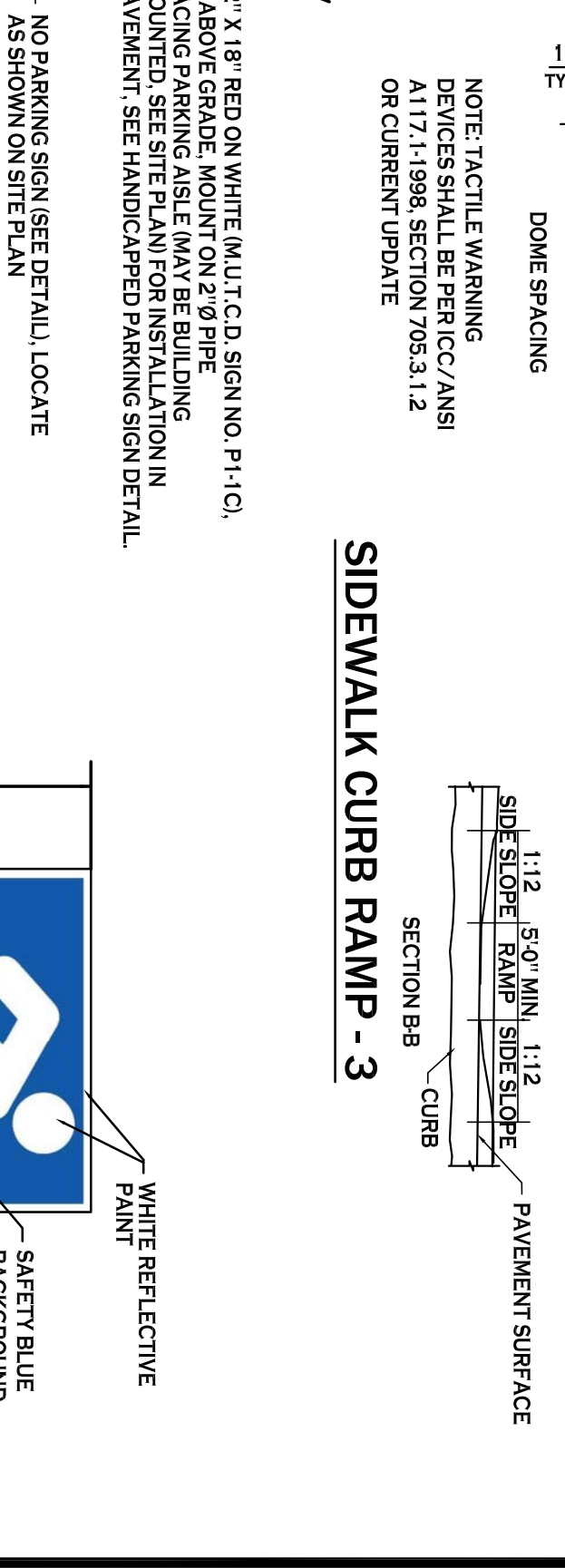
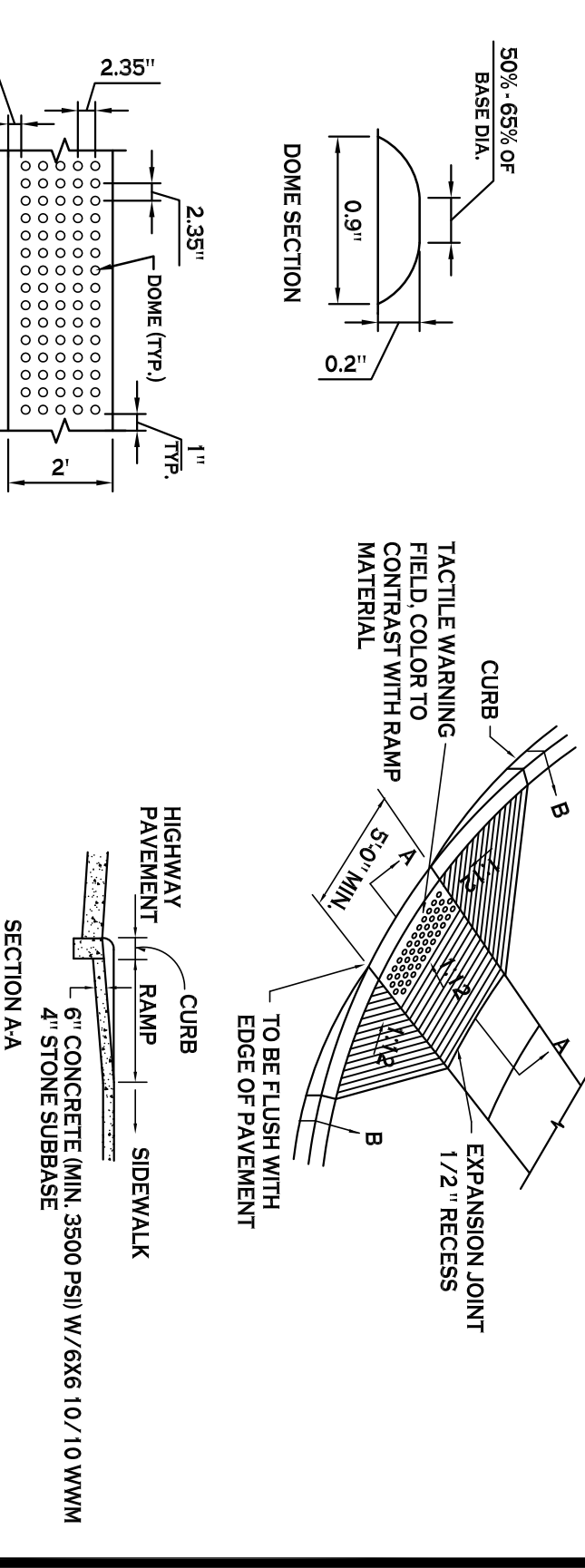
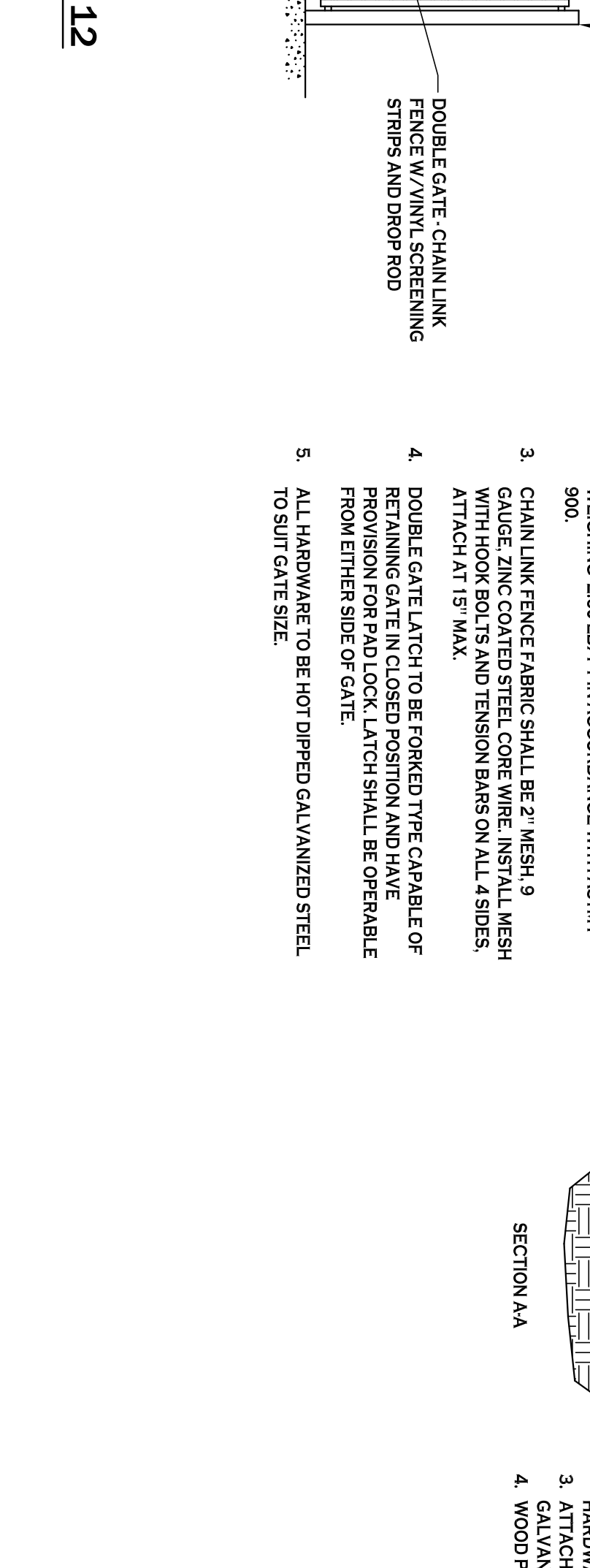
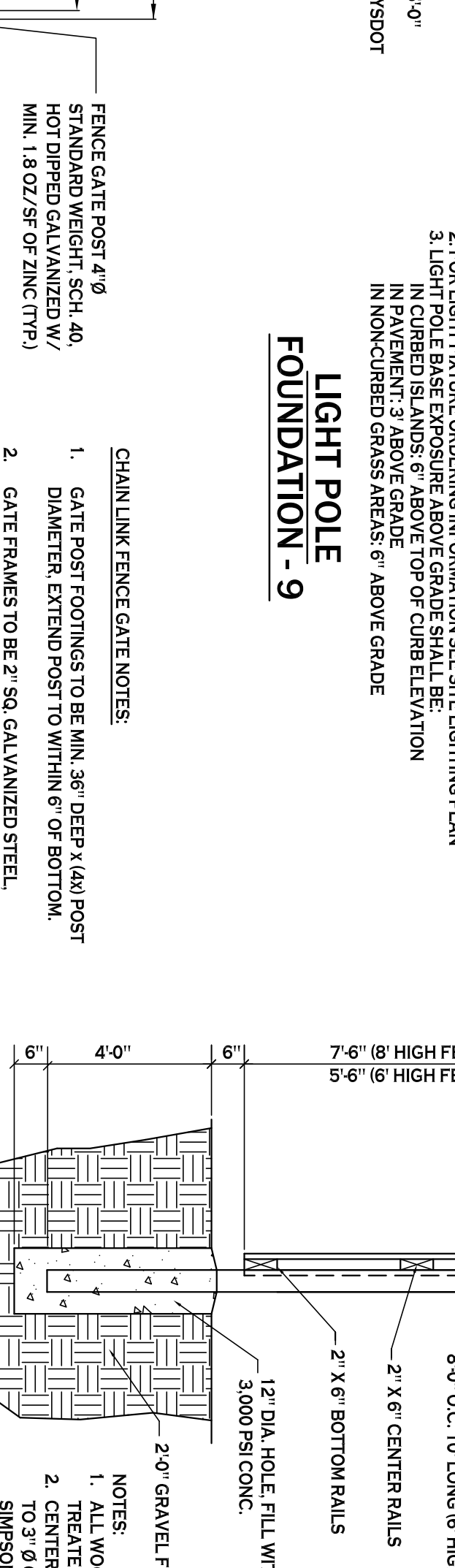
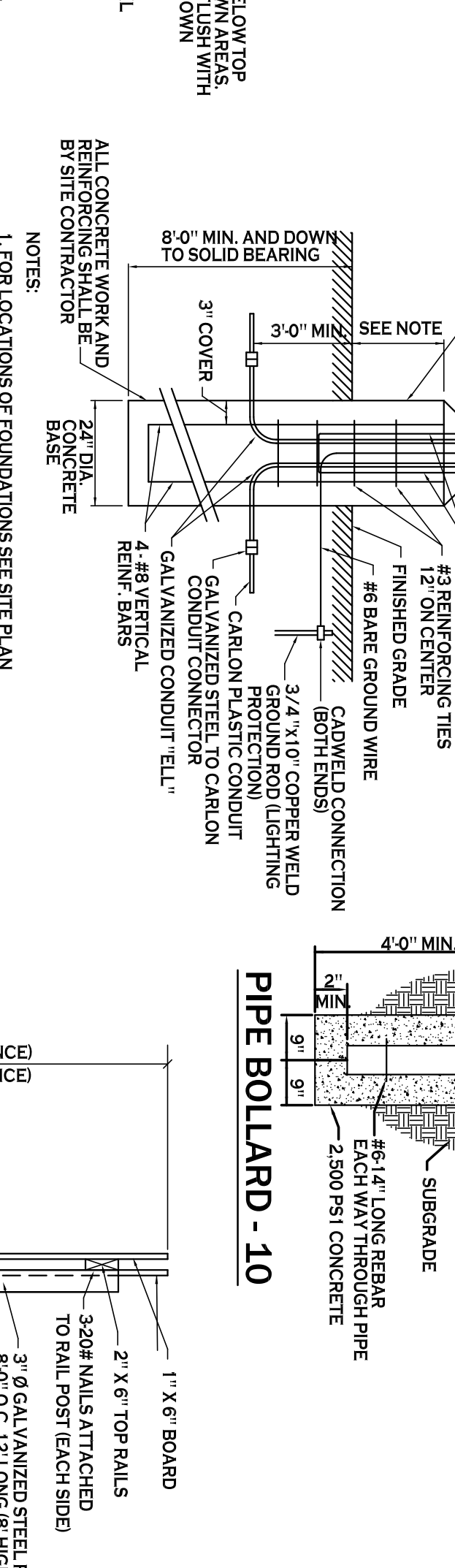
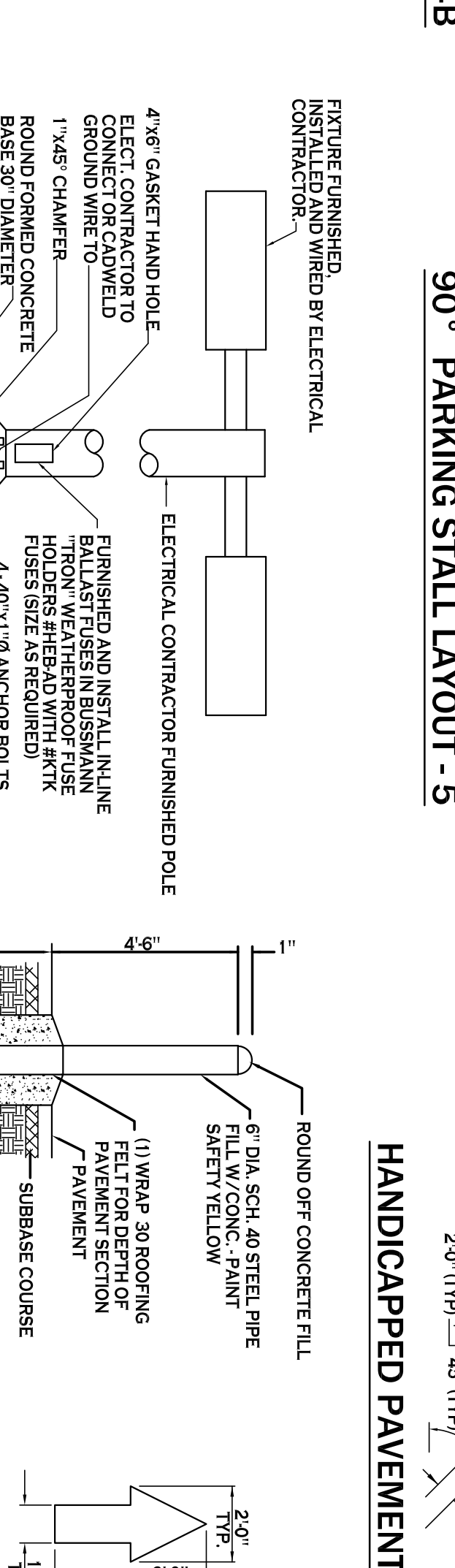
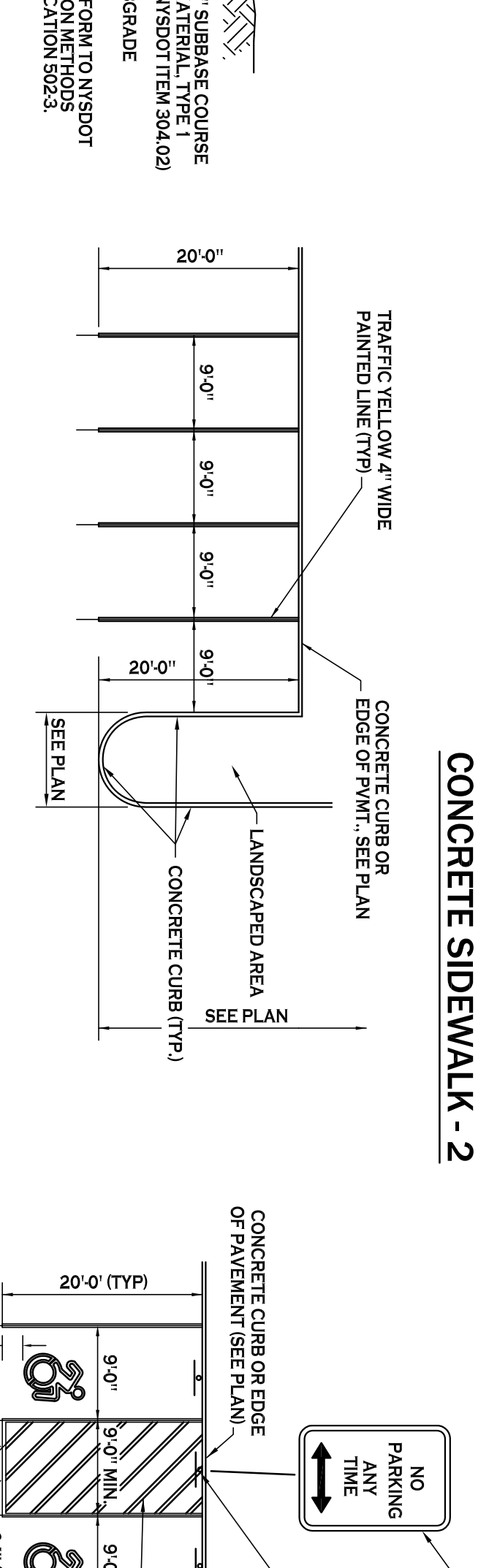
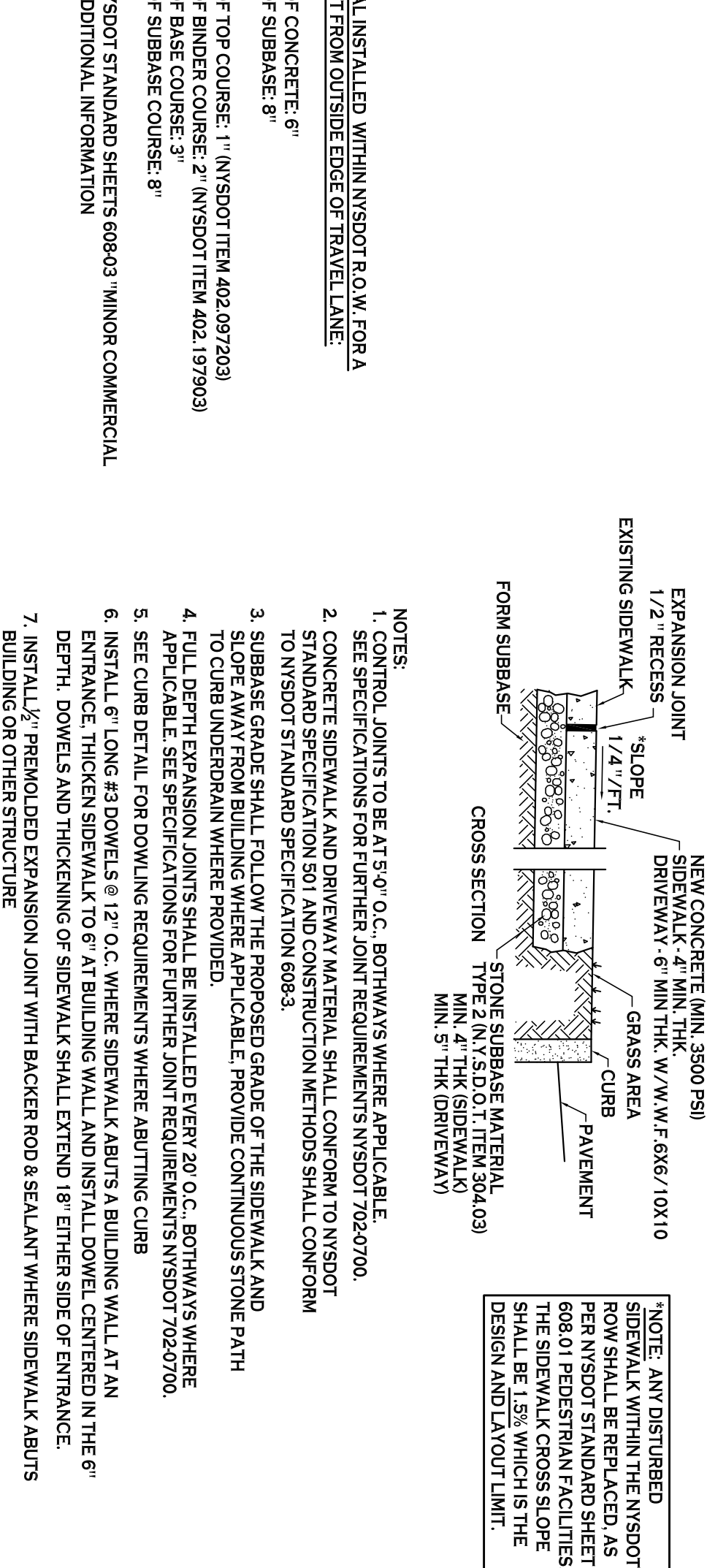
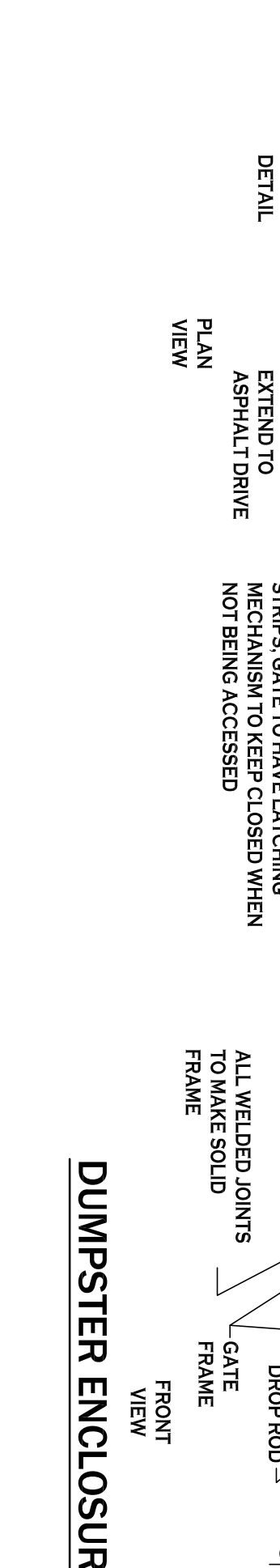
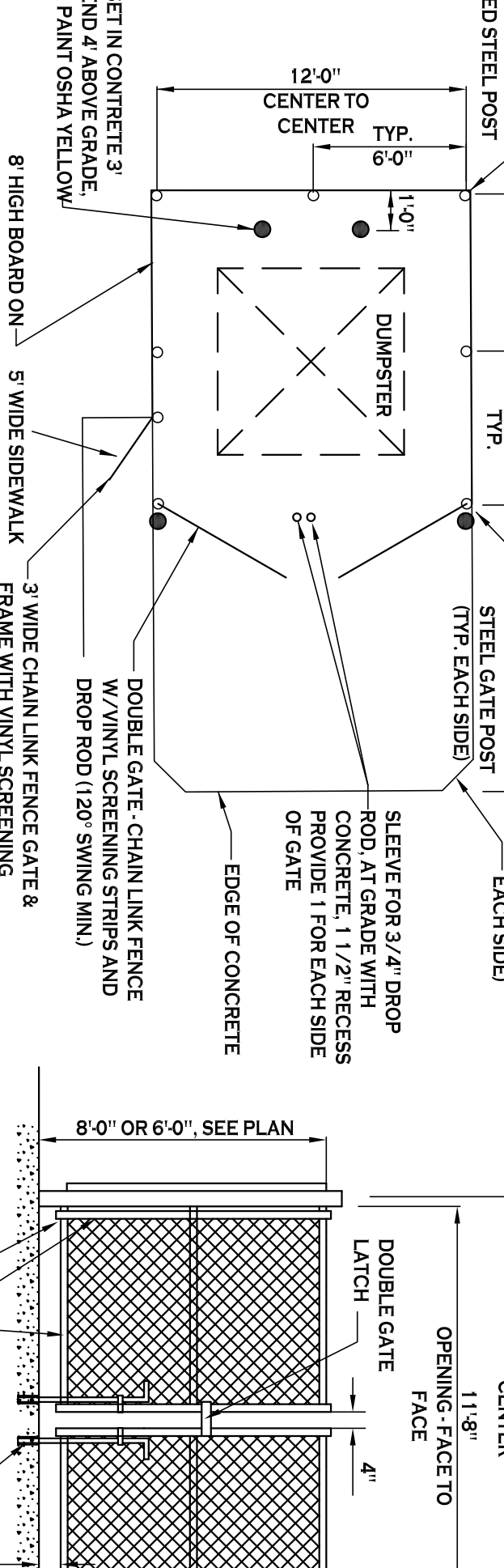
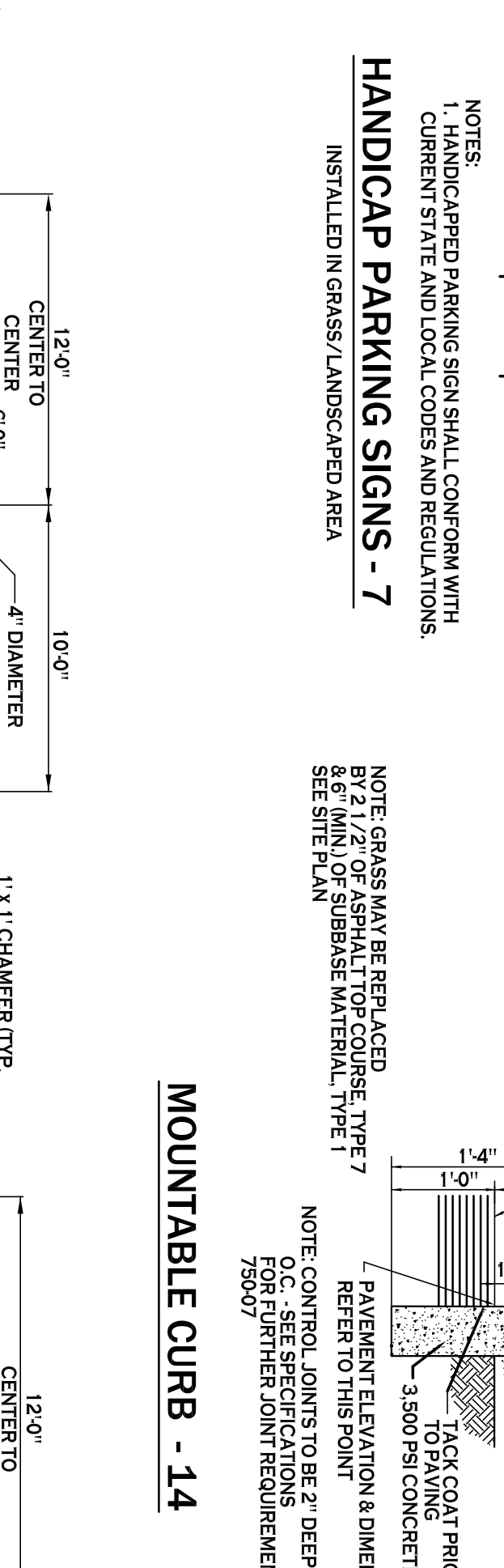
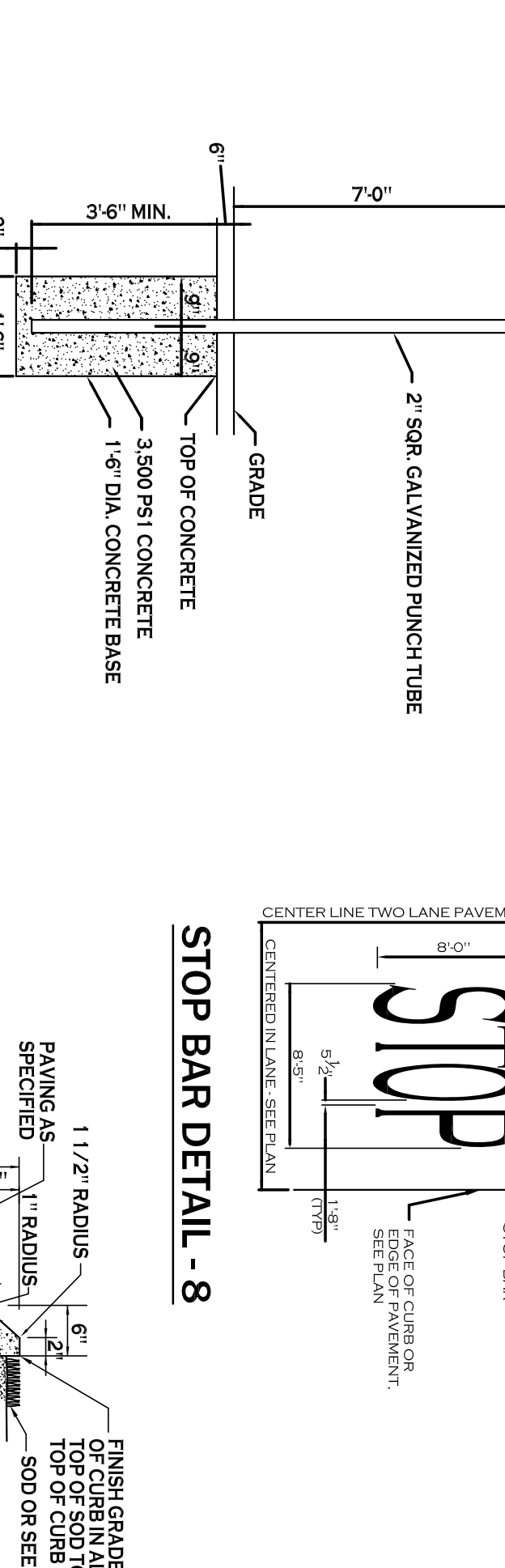
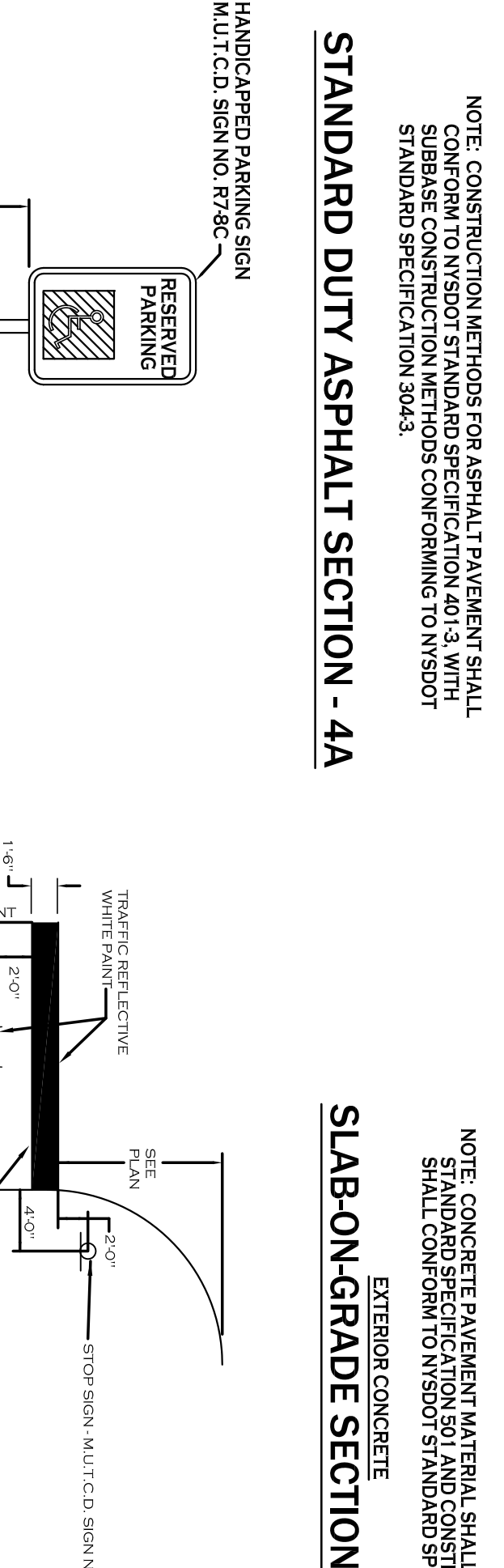
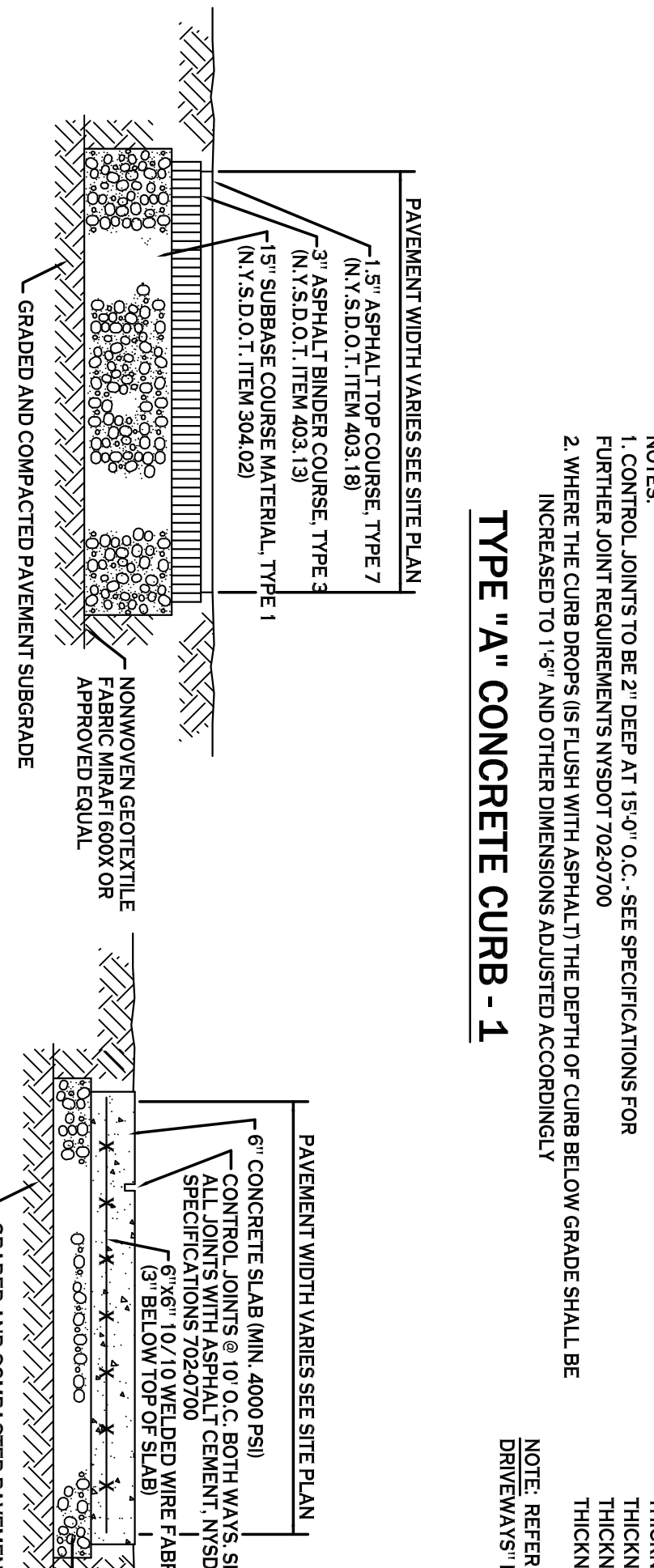
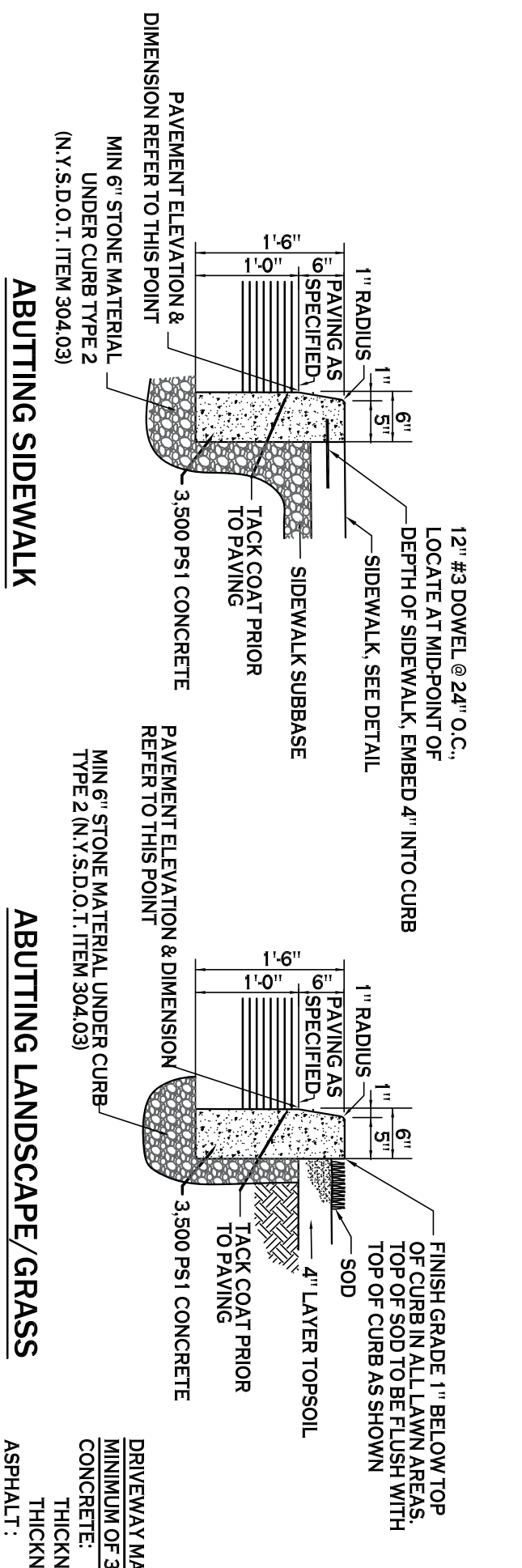
**DRAWING NAME:**  
Site Plan

Issued for Construction: 9/11/20  
Municipality Submission: Car Wash  
Scale: As Noted

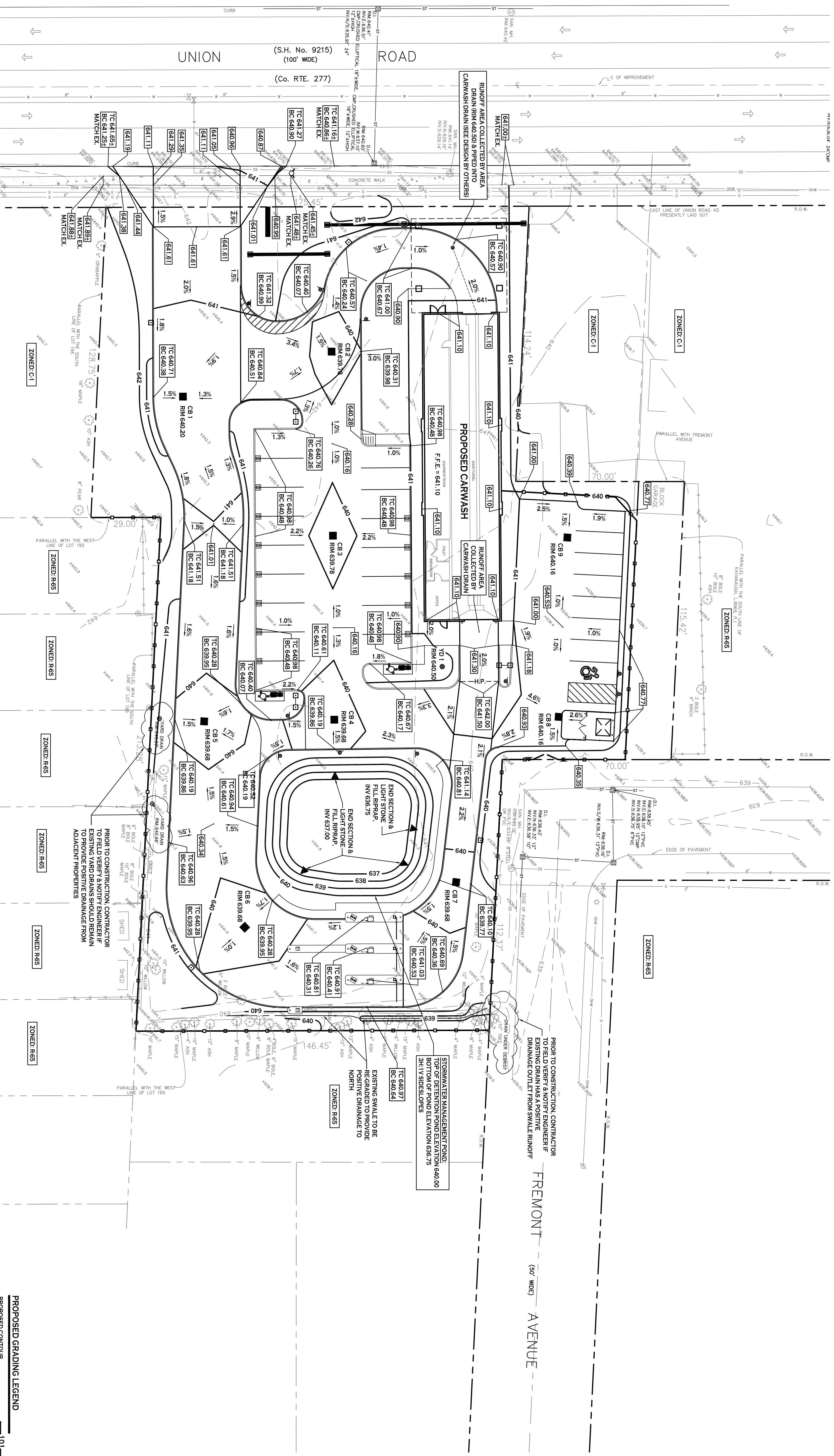
**REVISIONS:**

| No. | Description                            | Date     |
|-----|--|----------|
| 1   | Rev. Site Lighting per Planning Board  | 11/20/20 |
| 2   | Rev. Pay Station Islands               | 11/30/20 |
| 3   | Rev. Bldg. Footprint & Vacuums         | 12/28/20 |
| 4   | Rev. Per NYSDOT Comments (1/18/21)     | 1/19/21  |
| 5   | Rev. Per West Seneca Fire District #6  | 4/8/21   |
| 6   | Updated Site Layout per Daniele Family | 8/16/21  |





| REVISIONS: | No. | Description                        | Date    |
|------------|-----|------------------------------------|---------|
| △          | 1   | Rev. Per NYSDOT Comments (1/18/21) | 1/19/21 |



**GRADING PLAN**  
SCALE: 1"=20'

**STORMWATER RUNOFF ANALYSIS**

| STORM EVENT | EXISTING | PROPOSED          |
|-------------|----------|-------------------|
| 1-YEAR      | 2.63 CFS | 1.18 CFS @ 637.55 |
| 2-YEAR      | 3.29 CFS | 1.33 CFS @ 637.73 |
| 5-YEAR      | 4.19 CFS | 1.82 CFS @ 638.00 |
| 10-YEAR     | 5.02 CFS | 2.16 CFS @ 638.24 |
| 25-YEAR     | 6.30 CFS | 2.59 CFS @ 638.60 |
| 50-YEAR     | 7.45 CFS | 2.92 CFS @ 638.92 |
| 100-YEAR    | 8.79 CFS | 3.25 CFS @ 639.27 |

**WATER QUALITY ANALYSIS**

(PER NYSDEC STORMWATER DESIGN MANUAL, CHAPTER 9.2.1, B1)

WATER QUALITY TREATMENT ACHIEVED BY THE REDUCTION OF EXISTING IMPERVIOUS COVER BY A MINIMUM OF 25% OF TOTAL DISTURBED, IMPERVIOUS AREA

EXISTING IMPERVIOUS WITHIN DISTURBED AREA = 1.2 AC.

PROPOSED IMPERVIOUS WITHIN DISTURBED AREA = 0.9 AC. (25% REDUCTION)

**PROPOSED GRADING LEGEND**

- PROPOSED CONTOUR: 101'
- PROPOSED SPOT ELEVATION: 100.80'
- PROPOSED TOP/BOTTOM OF CURB ELEV.: TC 100.50 / BC 100.00
- PROPOSED CATCH BASIN: CB
- PAVEMENT/ROUND SLOPE: [Symbol]
- PROPOSED YARD DRAIN: YD
- PROPOSED MANHOLE: MH
- PROPOSED STORM SEWER: ST
- PROPOSED STORM W/ SELECT FILL: [Symbol]

NOTE: BOUNDARY AND TOPOGRAPHIC INFORMATION PROVIDED BY OTHERS. CARMINA WOOD MORRIS, D.P.C. ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY.

Scale: 1"=20'

**PROJECT NAME:**  
New Construction  
**Proposed Carwash**  
1353, 1347, 1343 Union Road & 0 Fremont Ave  
West Seneca, New York 14224

**DRAWING NAME:**  
Grading Plan

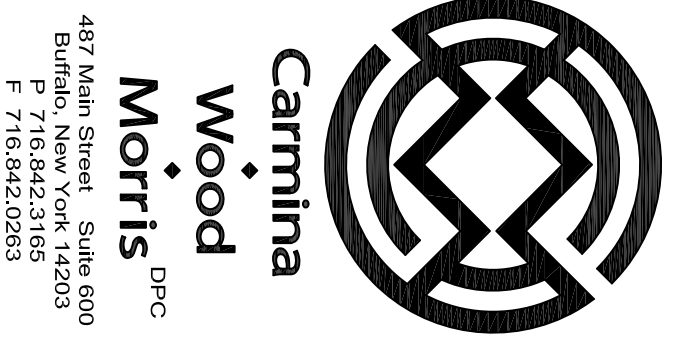
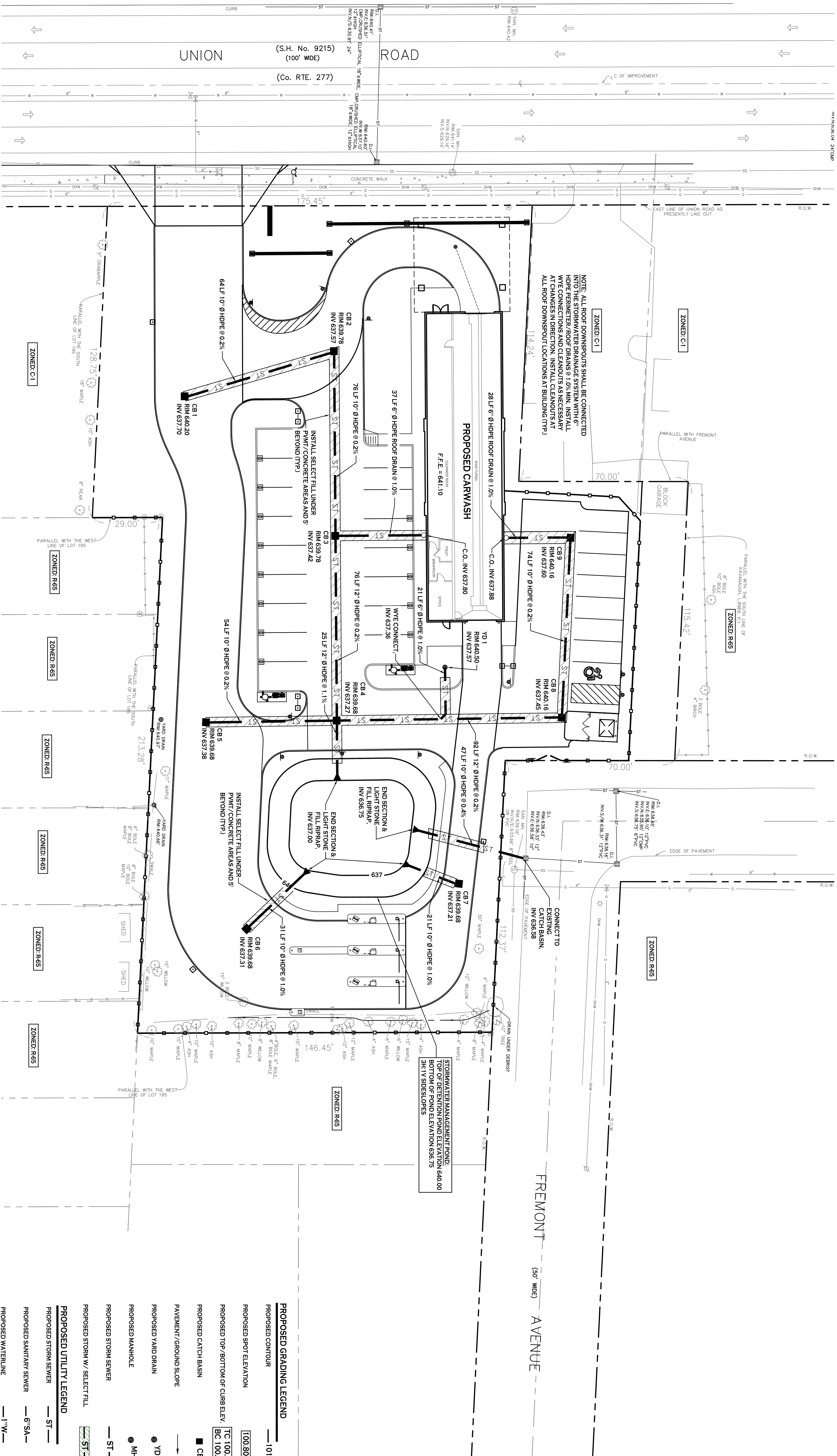
**DRAWING NO.:**  
**C-200**

Project no.: 20.085

**REVISIONS:**

| No. | Description                                 | Date     |
|-----|---|----------|
| 1   | Rev. Pay Station Islands & Bldg. Conc. Pads | 11/30/20 |
| 2   | Rev. Carwash Entrance/Exit Grade            | 12/28/20 |
| 3   | Rev. Bldg. Footprint & Vacuums              | 4/8/21   |
| 4   | Rev. Per West Seneca Fire District #6       | 8/16/21  |
| 5   | Updated Site Layout per Daniele Family      |          |

**Carmina Wood Morris DPC**  
487 Main Street, Suite 600  
Buffalo, New York 14203  
F: 716.842.2083



**REVISIONS:**

| No. | Description                            | Date     |
|-----|--|----------|
| 1   | Rev. Bldg. Footprint & Vacuums         | 12/28/20 |
| 2   | Updated Site Layout per Daniele Family | 8/16/21  |

**PROJECT NAME:**  
New Construction  
**Proposed Carwash**  
1353, 1347, 1343 Union Road & 0 Fremont Ave  
West Seneca, New York 14224

Issued for Construction: 9/11/20  
Municipality Submission: 9/11/20  
Drawn by: C. Wood  
Scale: As Noted

**DRAWING NAME:**  
Storm Drainage  
Plan

DRAWING NO.:

**C-300**

Project no.: 20.085



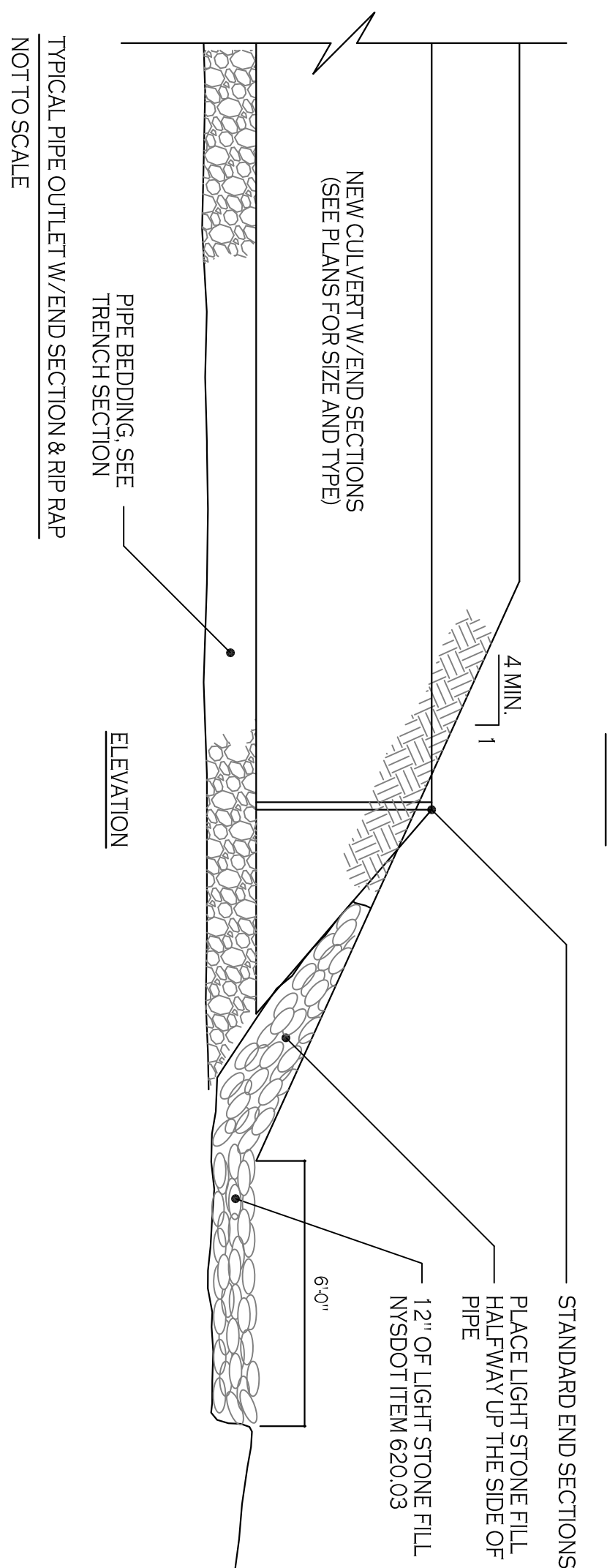
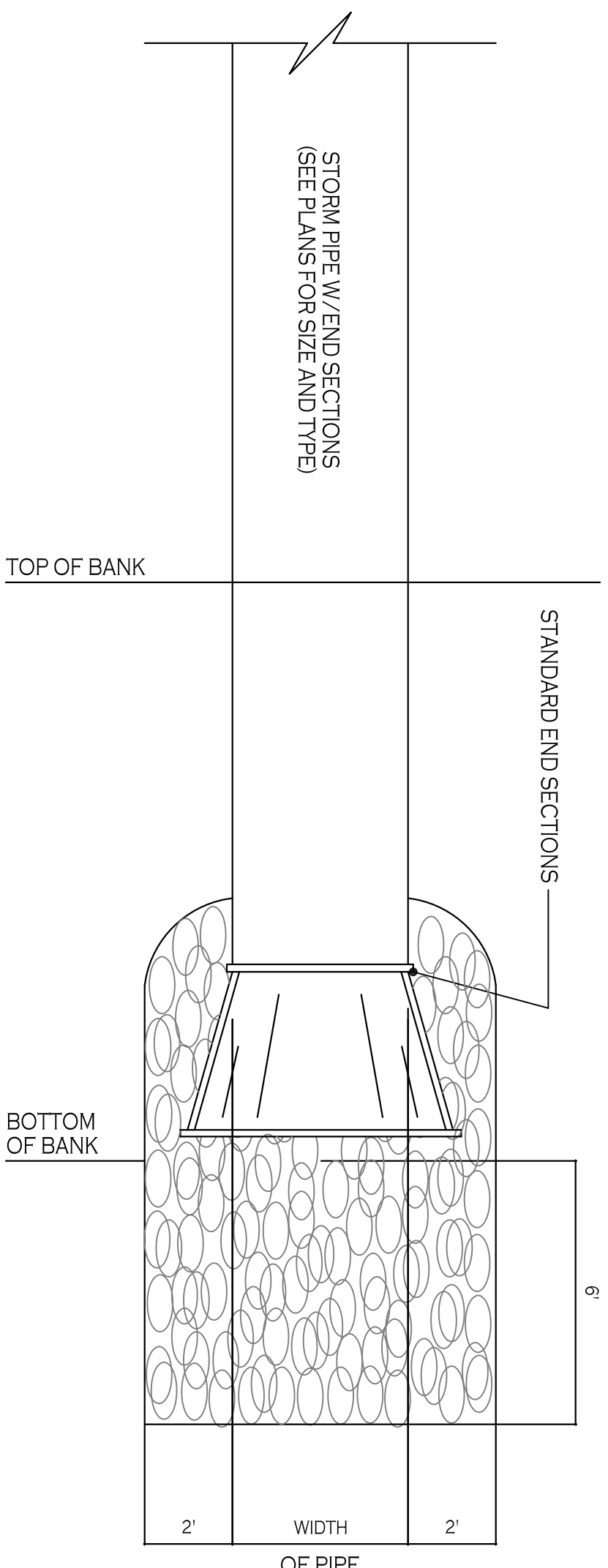
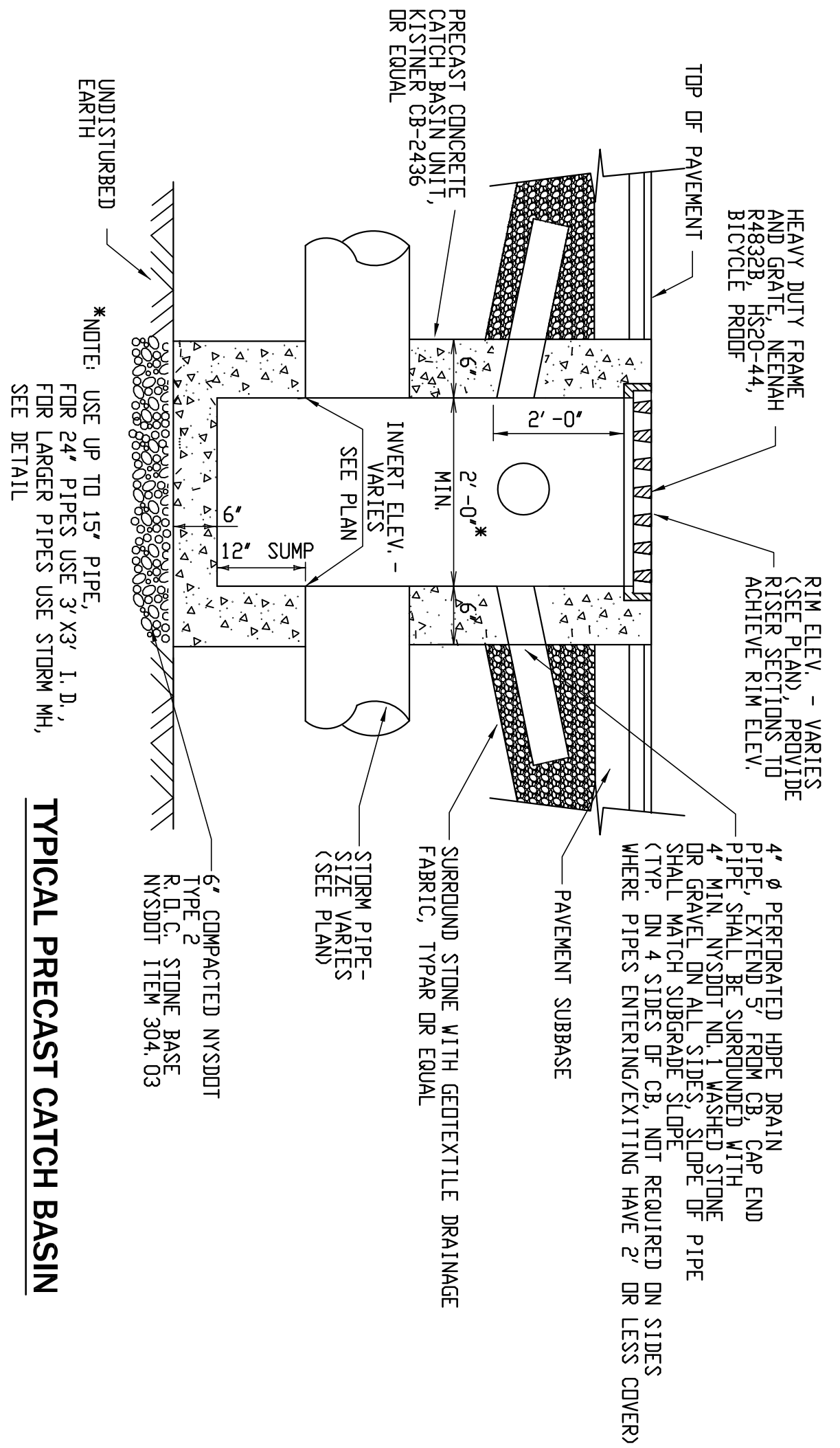
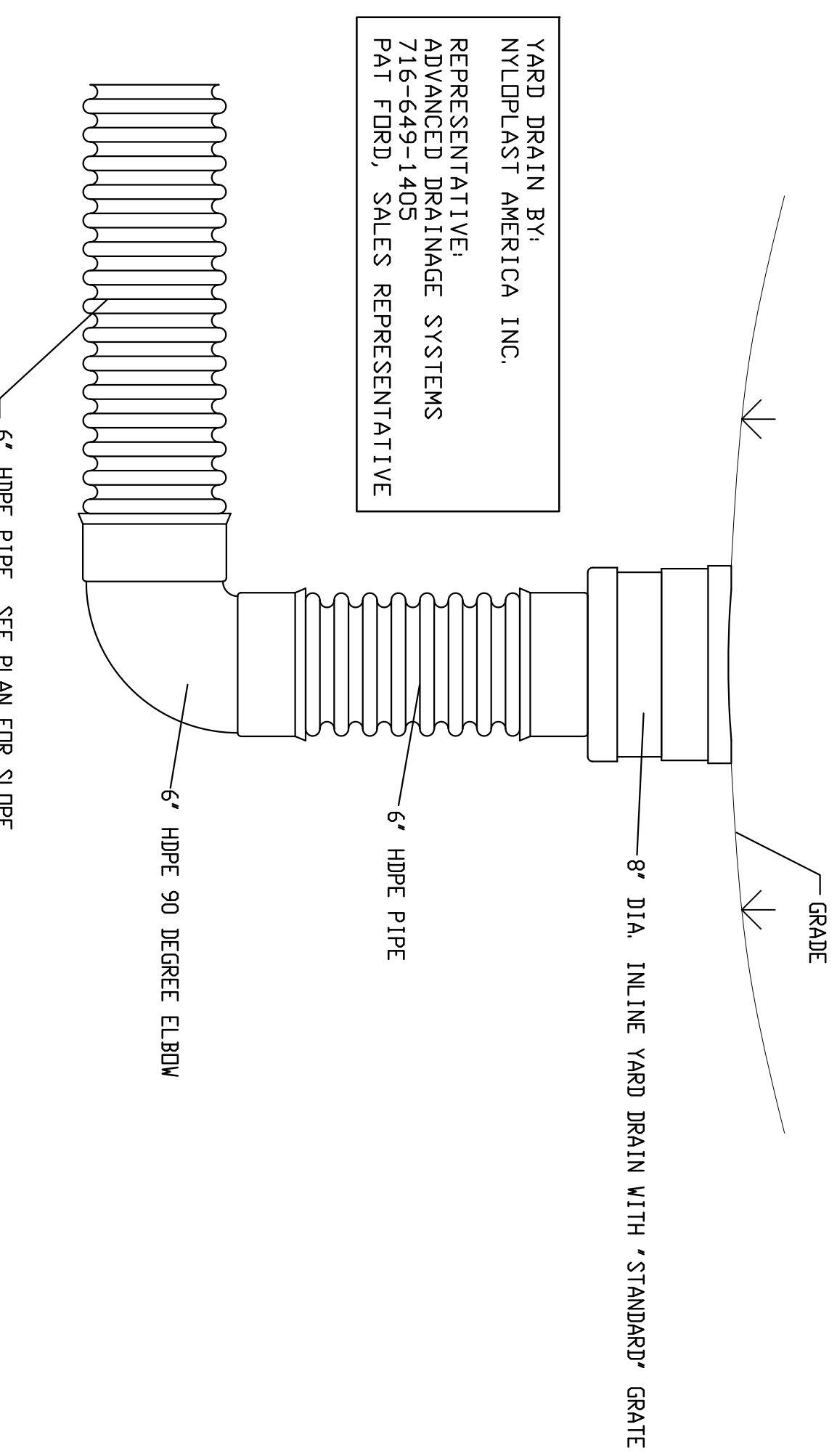
| REVISIONS: |  |         |
|------------|--|---------|
| No.        | Description                            | Date    |
| 1          | Updated Site Layout per Daniele Family | 8/16/21 |

PROJECT NAME:  
**New Construction**

**Proposed Carwash**  
1353, 1347, 1343 Union Road & 0 Fremont Ave  
West Seneca, New York 14224

Issued for Construction: 9/1/20  
Municipality Submission: C Wood  
Scale: As Noted

DRAWING NAME:  
**Storm Drainage**  
Details



NYS DOT STANDARD SPECIFICATIONS

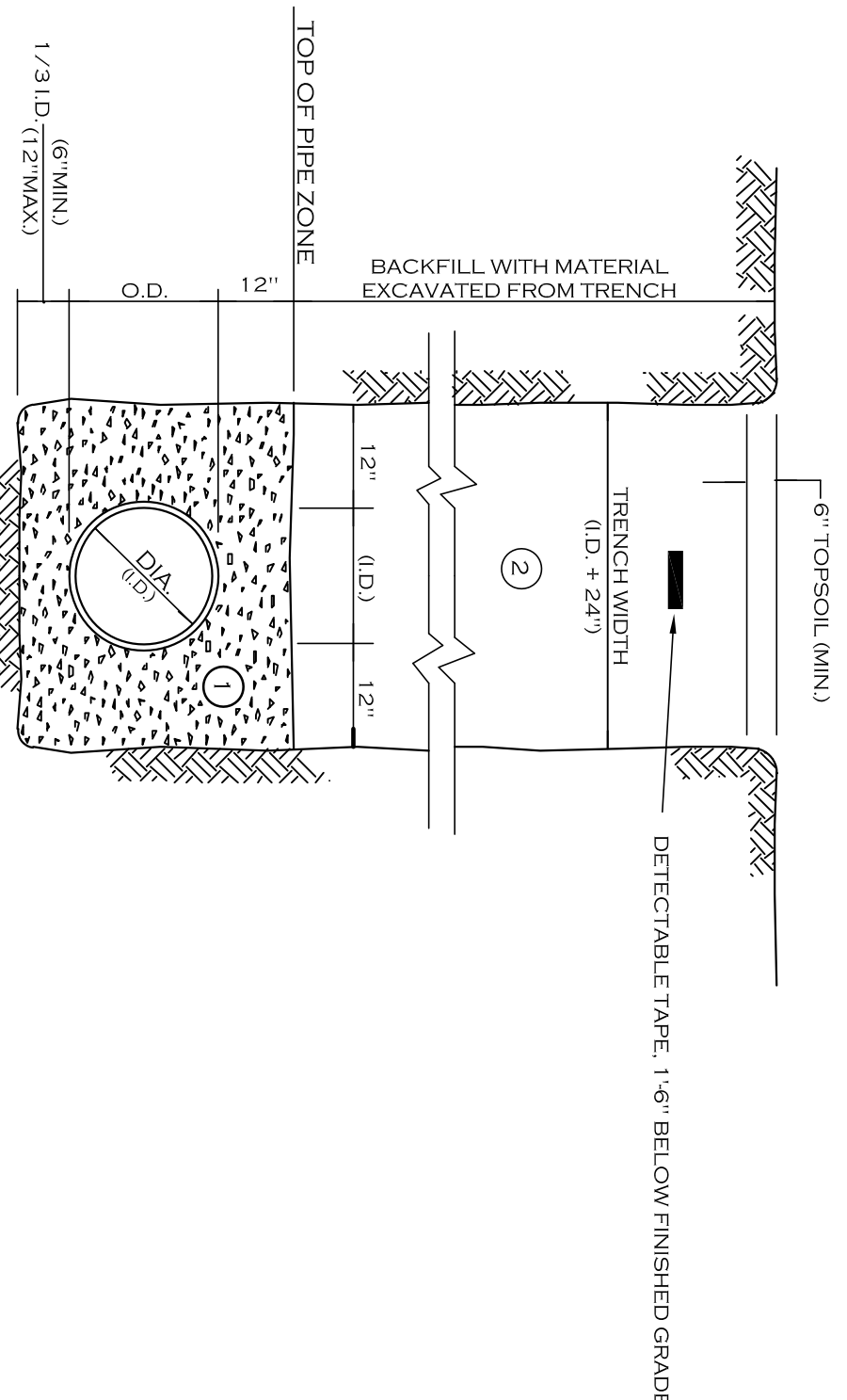
FIGURE 820-1 STONE FILLING GRAVATION REQUIREMENTS

| Stone Filling Item | See Notes | Stone Size <sup>a</sup>   | Percent of Total by Weight |
|--------------------|-----------|---------------------------|----------------------------|
| Fine               | 2, 3, 4   | Smaller than 8 inch       | 90 - 100                   |
|                    |           | Larger than 3 inch        | 50 - 100                   |
| Light              | 2, 3, 4   | Smaller than No. 10 Sieve | 0 - 10                     |
|                    |           | Lighter than 100 pounds   | 90 - 100                   |
| Medium             | 2, 4      | Larger than 6 inch        | 50 - 100                   |
|                    |           | Smaller than 1/2 inch     | 0 - 10                     |
| Heavy              | 2, 4, 5   | Heavier than 100 pounds   | 50 - 100                   |
|                    |           | Smaller than 6 inch       | 0 - 10                     |
|                    |           | Heavier than 600 pounds   | 50 - 100                   |
|                    |           | Smaller than 6 inch       | 0 - 10                     |

APPROXIMATE SHAPE

| Specified Weights and Sizes | Approximate Shape | Approximate Shape | Approximate Shape | Approximate Shape |
|-----------------------------|-------------------|-------------------|-------------------|-------------------|
| 600 pounds                  | d = 18 inches     | d = 23 inches     | d = 15 inches     | d = 23 inches     |
| 300 pounds                  | d = 15 inches     | d = 18 inches     | d = 12 inches     | d = 18 inches     |
| 150 pounds                  | d = 12 inches     | d = 15 inches     | d = 9 inches      | d = 17 inches     |
| 100 pounds                  | d = 10 inches     | d = 13 inches     | d = 8 inches      | d = 15 inches     |
| d = 8 inches                | 50 lbs.           | 25 lbs.           | 100 lbs.          | 25 lbs.           |
| d = 6 inches                | 20 lbs.           | 10 lbs.           | 40 lbs.           | 10 lbs.           |
|                             |                   |                   |                   | 7 lbs.            |

**STORM SEWER TRENCH SECTION IN PAVED AREAS**



- NOTES:
- PIPE INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
  - TRENCHING OPERATIONS SHALL INCLUDE ALL NECESSARY DEMATERING.
  - TRENCH DETAILS ARE ONLY SHOWN FOR PURPOSES OF MATERIAL PLACEMENT AND MAXIMUM PAY LIMITS.
  - AN OSHA APPROVED MOVABLE PROTECTIVE TRENCH SHIELD SHALL BE USED IN ALL UNSHIELDED TRENCH AREAS.
- MATERIALS
- PIPE BEDDING MATERIAL (NYS DOT 1985 EDITION)

- NO. 1 CRUSHED STONE OR CRUSHED GRAVEL WITH A GRADATION CONFORMING WITH NYS DOT SECTION 304.02. THE MATERIAL SHALL BE WELL GRADED WITH NO PARTICLES LARGER THAN ONE INCH AND HAVING A MAXIMUM GRADATION MEETING THE LIMITS DESCRIBED IN THE SPECIFICATIONS. THE BEDDING SHALL BE COMPACTED IN 6" LIFTS WITH EQUIPMENT ACCEPTABLE TO THE PIPE MANUFACTURER.
- NO SLAG SHALL BE ALLOWED FOR MATERIAL 1.
- BACKFILL MATERIAL SHALL BE NATIVE SOIL CONTAINING NO UNSUITABLE MATERIAL. COMPACTED IN 6" LIFTS.

**STORM SEWER TRENCH SECTION IN UNPAVED AREAS**

| REVISIONS: | No. | Description                            | Date     |
|------------|-----|--|----------|
| ▲          | 1   | Revised per ECWA comments              | 11/10/20 |
| ▲          | 2   | Added Water Recovery System            | 11/30/20 |
| ▲          | 3   | Rev. Water Recovery System             | 12/7/20  |
| ▲          | 4   | Rev. Bldg. Footprint & Vacuums         | 12/28/20 |
| ▲          | 5   | Updated Site Layout per Daniele Family | 8/16/21  |

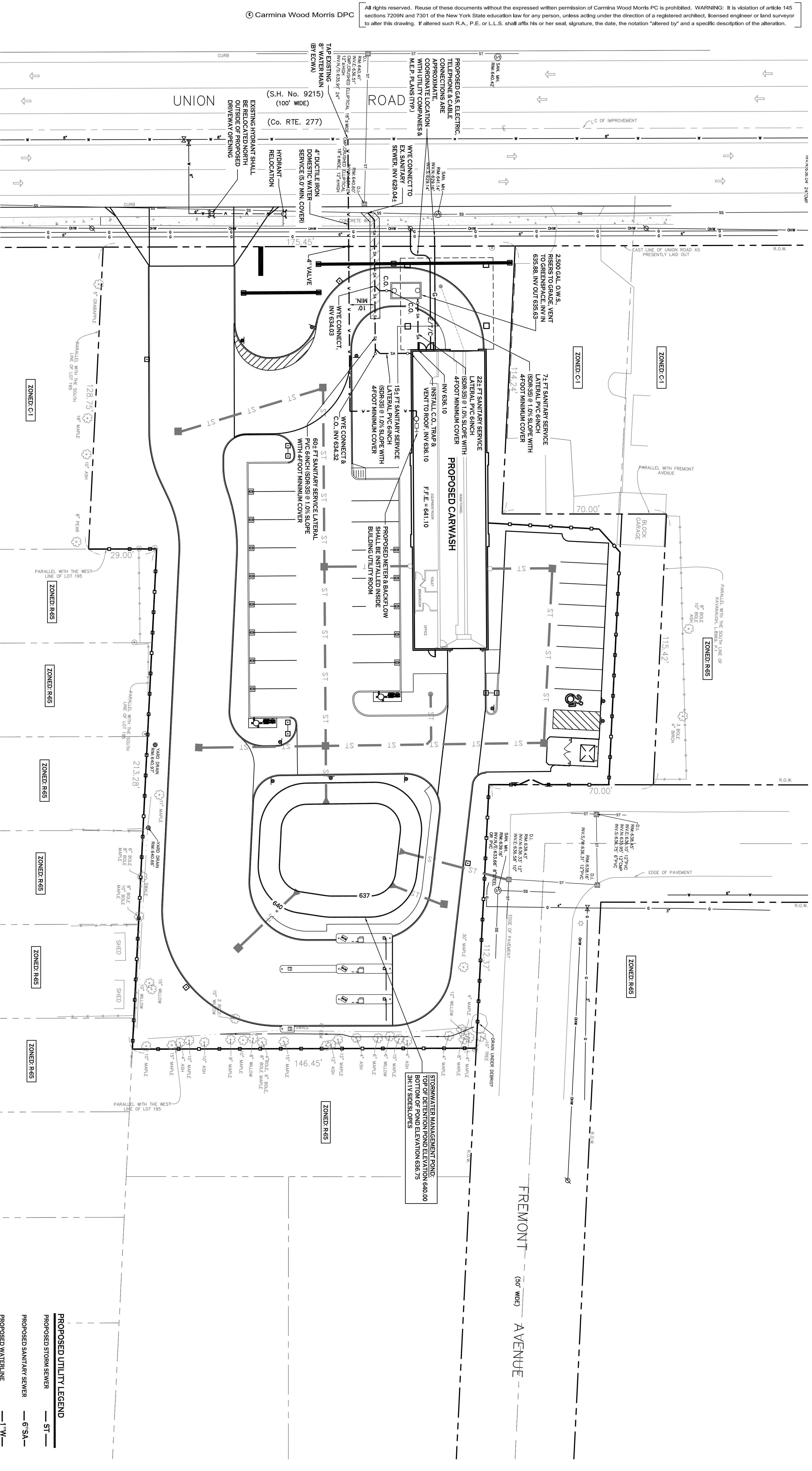
PROJECT NAME:  
**New Construction**  
**Proposed Carwash**  
 1353, 1347, 1343 Union Road & 0 Fremont Ave  
 West Seneca, New York 14224

Issued for Construction: 9/11/20  
 Municipality Submission: C Wood  
 Drawn by: AS Wood  
 Scale: As Noted

DRAWING NAME:  
**Utility Plan**

DRAWING NO.:  
**C-400**

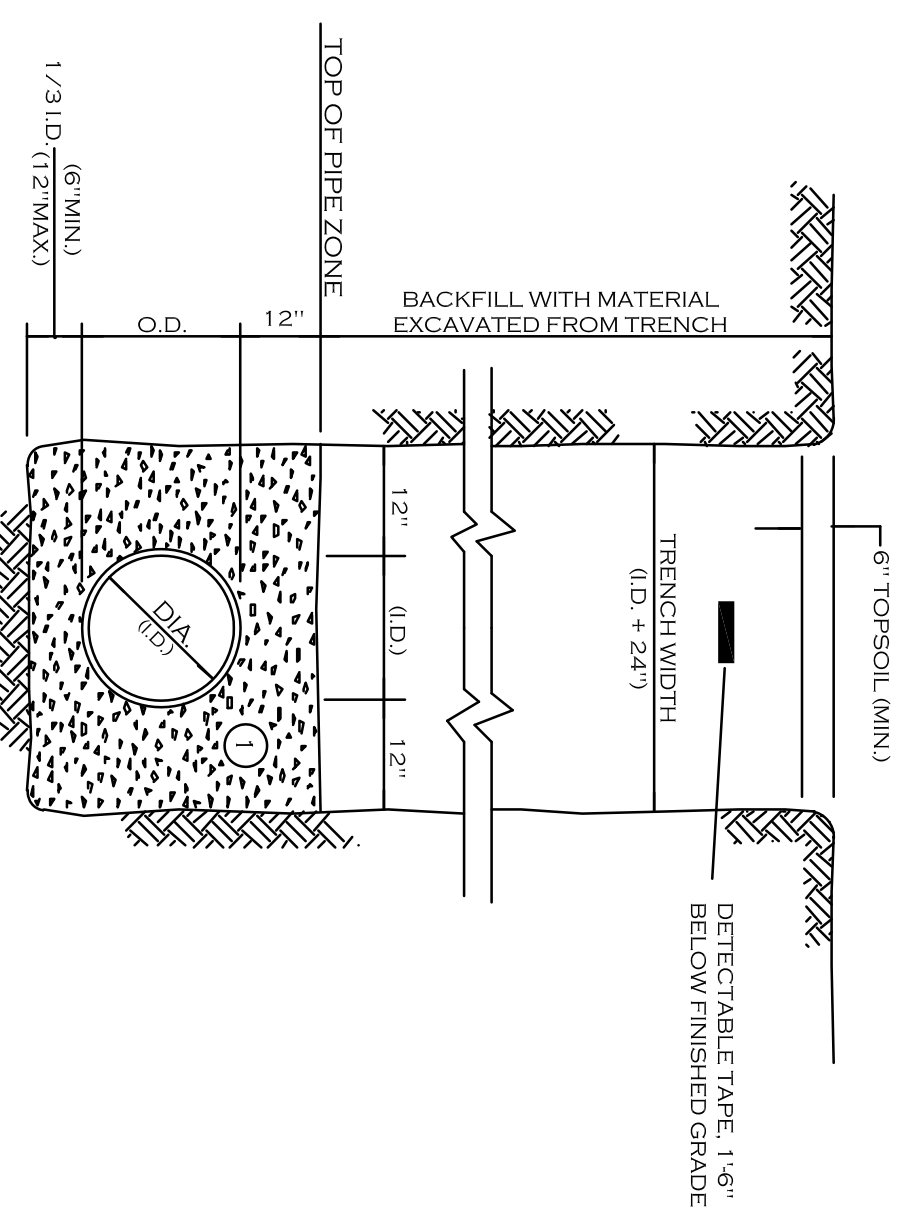
Project no.: 20.085



**UTILITY PLAN**  
 SCALE: 1"=20'

- UTILITY NOTES:**
- FOR ALL SANITARY SEWERS, INSTALL SELECT FILL IN PAVED AREAS, EXTEND 5' MIN. BEYOND PAVEMENT LIMITS.
  - COORDINATE GAS & ELEC. METER BANK LOCATIONS ON BUILDING WITH M.E.P. PLANS & UTILITY CO.'S.
  - COORDINATE LOCATION OF CITY & TELEPHONE SERVICE TO BUILDING WITH M.E.P. PLANS AND UTILITY CO.'S.
  - ANY EXISTING UTILITIES WHICH ARE TO BE ABANDONED AND FILL UNDER PAVED AREAS SHALL BE IDENTIFIED AND ABANDONED IN ACCORDANCE WITH THE ERIE COUNTY DEPARTMENT OF PUBLIC WORKS.
  - EXISTING GAS SERVICES TO REMAIN UNLESS OTHERWISE NOTED. ANY PORTIONS TO BE RELOCATED SHALL BE COORDINATED WITH NATIONAL FUEL GAS.
  - ALL UNDERGROUND TELEPHONE SERVICES SHALL REMAIN AND BE PROTECTED DURING CONSTRUCTION AND 18 INCHES OF VERTICAL SEPARATION MUST BE MAINTAINED BETWEEN ALL SANITARY SEWERS AND WATER SERVICES.
  - SELECT BACKFILL IS REQUIRED FOR ALL UTILITIES GAS, WATER, STORM, SANITARY THAT CROSS THROUGH PAVEMENT AREAS.
  - ALL SANITARY SEWER CONSTRUCTION SHALL CONFORM TO THE TOWN OF WEST SENeca SPECIFICATIONS AND DETAILS, AND ERIE COUNTY DEPARTMENT OF PUBLIC WORKS.
  - ALL WATERLINE SERVICE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE ERIE COUNTY WATER AUTHORITY AND ERIE COUNTY DEPARTMENT OF HEALTH REQUIREMENTS.
  - ALL WATERLINE SERVICES TO HAVE 5' MINIMUM COVER.
  - THE ERIE COUNTY WATER AUTHORITY IS TO BE NOTIFIED A MINIMUM OF 48-HOURS PRIOR TO STARTING THE CONNECTION TO THE NEW WATER SERVICE.

- PROPOSED UTILITY LEGEND**
- PROPOSED STORM SEWER: — ST —
  - PROPOSED SANITARY SEWER: — 6" SA —
  - PROPOSED WATERLINE: — 1" W —
  - PROPOSED GAS (6" ELECTRIC (EI): — 6" EI —
  - CABLE (C.) & TELEPHONE (T): — C/T —
  - PROPOSED CATCH BASIN: ■ CB
  - PROPOSED YARD DRAIN: ● YD
  - PROPOSED MANHOLE: ● MH
  - PROPOSED HYDRANT ASSEMBLY: ● H
  - PROPOSED GATE VALVE: @ GV
- NOTE FOR PROPOSED VALVE BOXES, CLEANOUTS, ETC., INSTALL A 300# CONCRETE COLLAR AROUND THE ITEM AT GRADE. THE COLLAR SHALL BE A MIN. OF 6" WIDER ON ALL SIDES, THAN THE BOX, CLEANOUT, ETC. THE COLLAR SHALL BE A MIN. OF 6" THICK.
- NOTE BOUNDARY AND TOPOGRAPHIC INFORMATION PROVIDED BY OTHERS. CARMINA WOOD MORRIS, D.P.C. ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY.



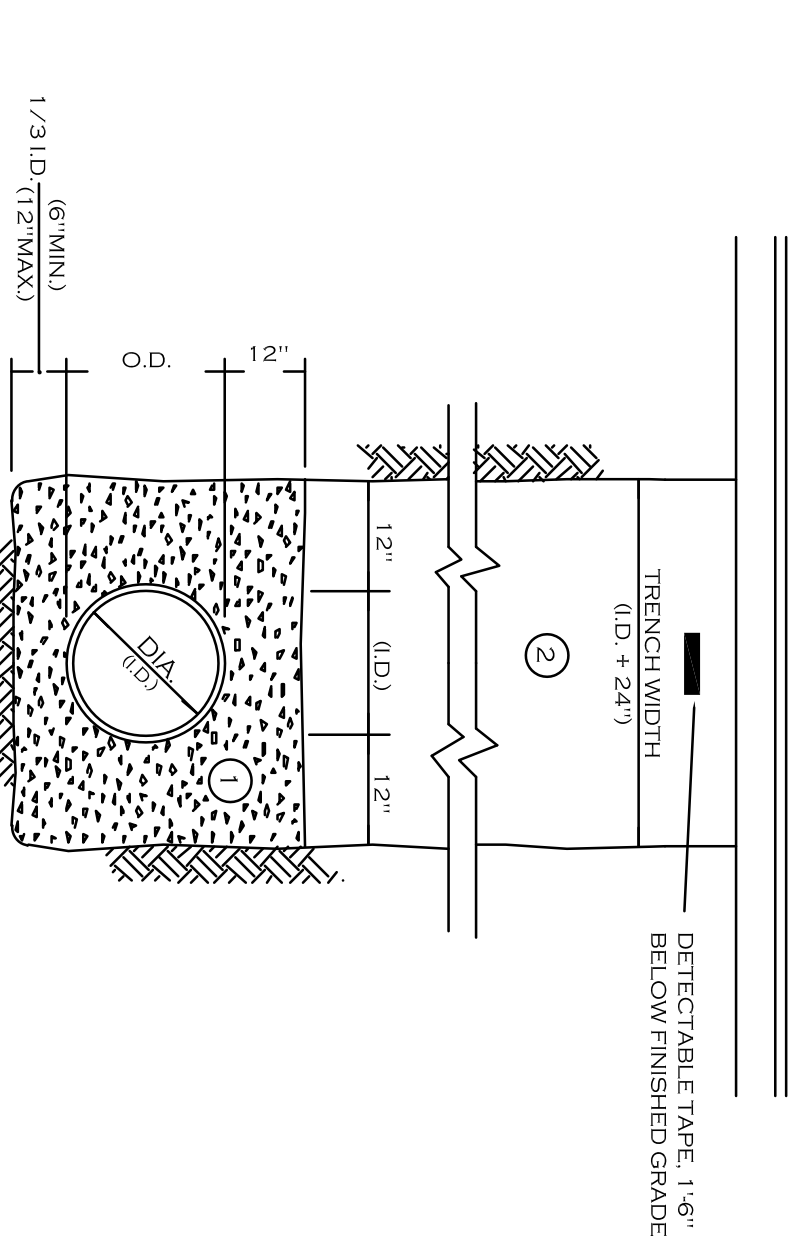
NOTES:

- A. PRE-INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
- B. TRENCHING OPERATIONS SHALL INCLUDE ALL NECESSARY DEWATERING.
- C. TRENCH DETAILS ARE ONLY SHOWN FOR PURPOSES OF MATERIAL PLACEMENT AND MAXIMUM PAY LIMITS.
- D. AN OSHA APPROVED MOVABLE PROTECTIVE TRENCH SHIELD SHALL BE USED IN ALL UNSHEETED TRENCH AREAS.

**MATERIALS**

- ① NO.1 CRUSHED STONE WITH A GRADATION CONFORMING WITH NSDOT SECTION 703-02. THE CRUSHED STONE SHALL BE WELL GRADED WITH NO PARTICLES LARGER THAN 1" AND HAVING A MAXIMUM GRADATION ACCEPTABLE TO THE PIPE MANUFACTURER.
- ② NO.2 RUN OF CRUSHER STONE OR NO.2 RUN OF CRUSHER GRAVEL WITH A GRADATION CONFORMING WITH NSDOT SECTION 504-2.02 TYPE 4 AND NSDOT SECTION 703-02. (COMPACTED IN 6' LIFTS TO 90% DENSITY) NOTE: SLAB SHALL NOT BE ALLOWED FOR MATERIALS ① AND ②

**UTILITY TRENCH SECTION IN UNPAVED AREAS**



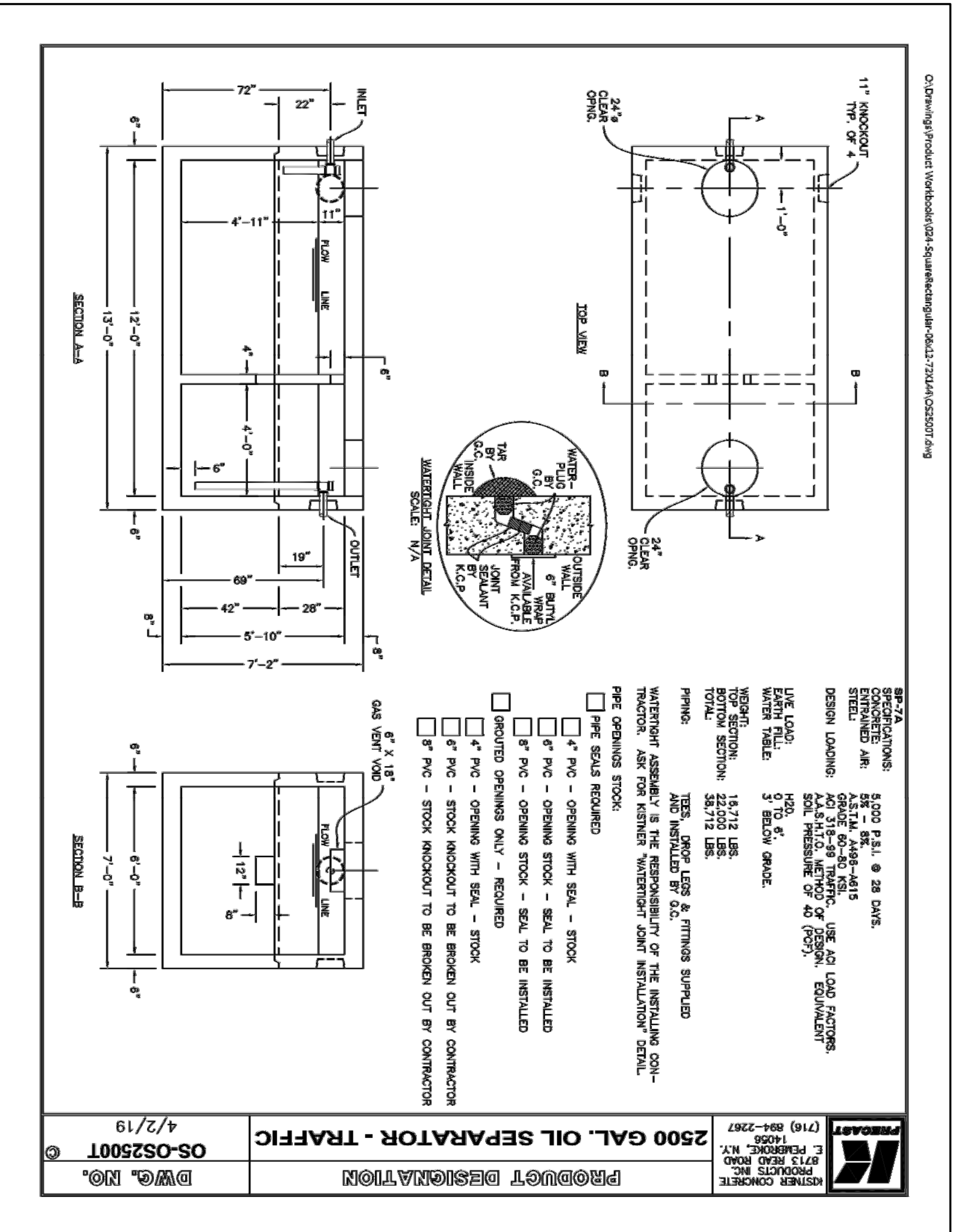
NOTES:

- A. PRE-INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
- B. TRENCHING OPERATIONS SHALL INCLUDE ALL NECESSARY DEWATERING.
- C. TRENCH DETAILS ARE ONLY SHOWN FOR PURPOSES OF MATERIAL PLACEMENT AND MAXIMUM PAY LIMITS.
- D. AN OSHA APPROVED MOVABLE PROTECTIVE TRENCH SHIELD SHALL BE USED IN ALL UNSHEETED TRENCH AREAS.

**MATERIALS**

- ① NO.1 CRUSHED STONE WITH A GRADATION CONFORMING WITH NSDOT SECTION 703-02. THE CRUSHED STONE SHALL BE WELL GRADED WITH NO PARTICLES LARGER THAN 1" AND HAVING A MAXIMUM GRADATION ACCEPTABLE TO THE PIPE MANUFACTURER.
- ② NO.2 RUN OF CRUSHER STONE OR NO.2 RUN OF CRUSHER GRAVEL WITH A GRADATION CONFORMING WITH NSDOT SECTION 504-2.02 TYPE 4 AND NSDOT SECTION 703-02. (COMPACTED IN 6' LIFTS TO 90% DENSITY) NOTE: SLAB SHALL NOT BE ALLOWED FOR MATERIALS ① AND ②

**UTILITY TRENCH SECTION IN PAVED AREAS**



**REVISIONS:**  
 DATE: 8/22/21  
 BY: J.W.M.  
 DESCRIPTION: REVISED FOR CONSTRUCTION PERMITS.  
**DESIGN LOADINGS:**  
 LIVE LOAD: 150 PSF  
 DEAD LOAD: 15 PSF  
 WIND: AS PER LOCAL CODES  
 WATER TABLE: 3' BELOW GRADE  
**WARRANTY:**  
 18 MONTHS  
 22,000 LBS.  
 36,000 LBS.  
**PRIMER:**  
 1.5 GAL. PER SQ. YD.  
 1.5 GAL. PER SQ. YD.  
 1.5 GAL. PER SQ. YD.

- PVC - OPENING WITH SEAL - STOCK
- PVC - OPENING STOCK - SEAL TO BE INSTALLED
- PVC - OPENING WITH SEAL - STOCK
- PVC - STOCK INDOOR TO BE BROKEN OUT BY CONTRACTOR
- PVC - STOCK INDOOR TO BE BROKEN OUT BY CONTRACTOR

**PROTECT DESIGNATION**  
 OS-OS2500T  
 DWG. NO. 4/2/19

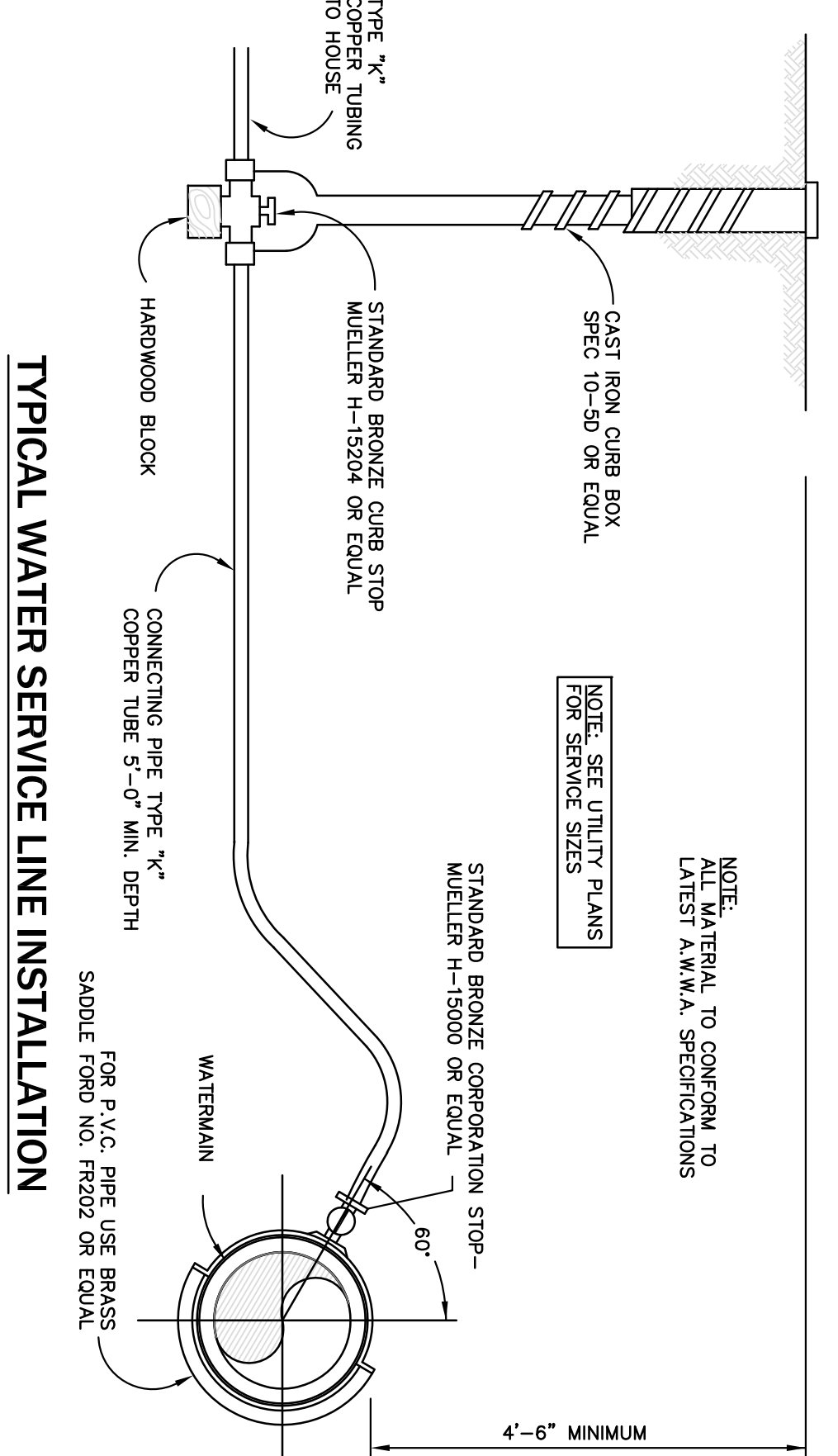
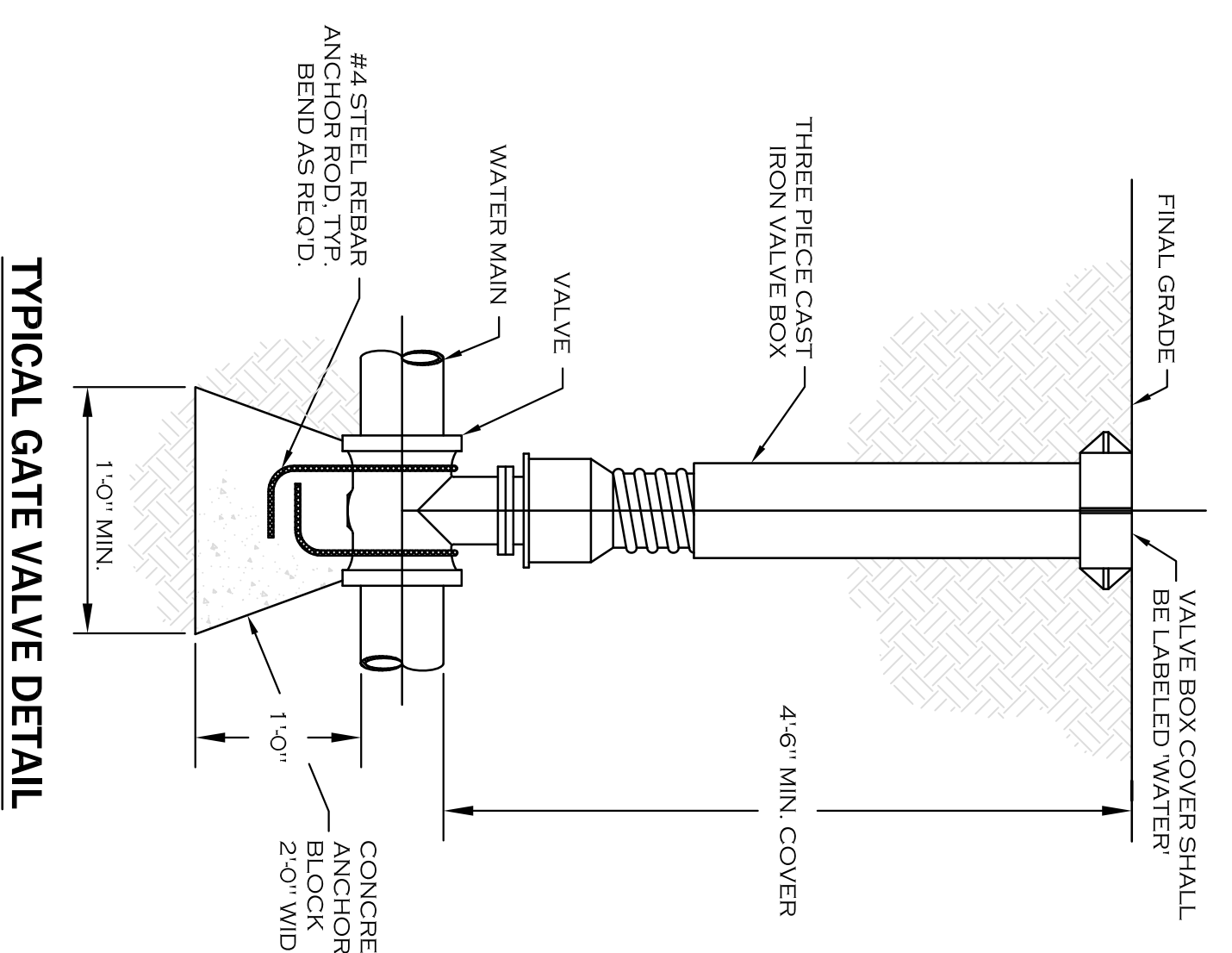
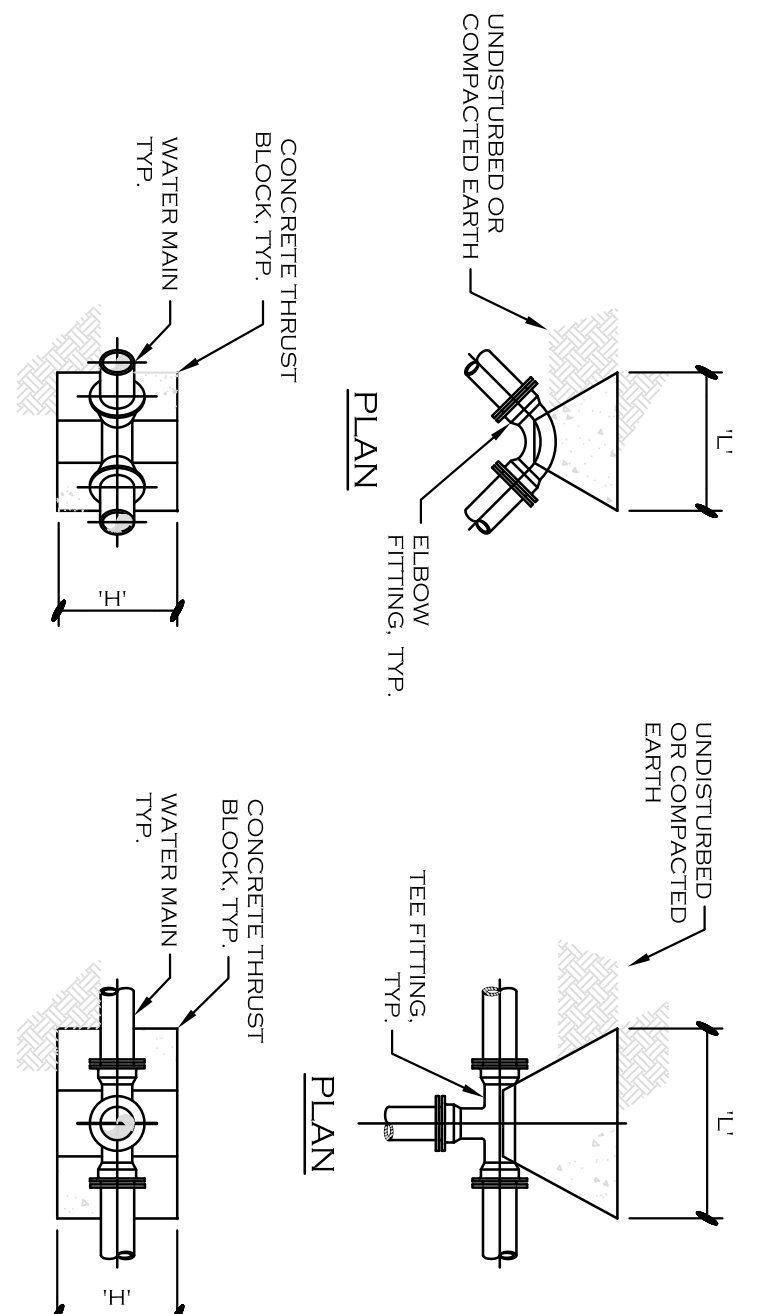
**DIMENSION SCHEDULE**

| PIPE SIZE | TEE OR TAP SIZE |
|-----------|-----------------|
| 4"        | 1.5"            |
| 6"        | 1.5"            |
| 8"        | 1.5"            |
| 10"       | 2.5"            |
| 12"       | 3.5"            |

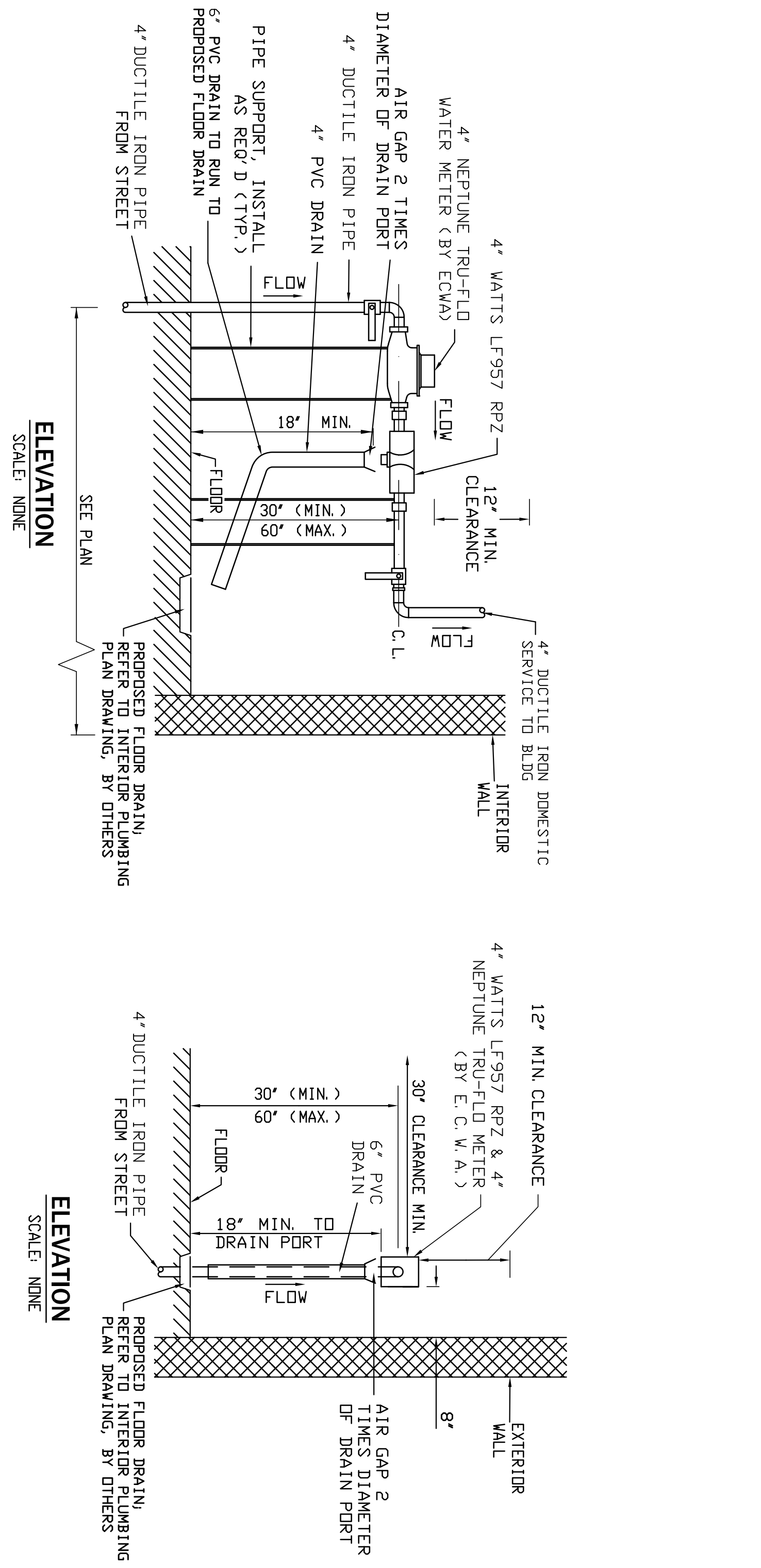
**DIMENSION SCHEDULE**

| PIPE SIZE | 90° ELBOW | 45° ELBOW | 22.5° ELBOW | 11.25° ELBOW |
|-----------|-----------|-----------|-------------|--------------|
| 4"        | 1.5"      | 1.0"      | 1.0"        | 1.0"         |
| 6"        | 2.0"      | 1.5"      | 1.5"        | 1.5"         |
| 8"        | 2.5"      | 2.0"      | 1.5"        | 1.5"         |
| 10"       | 3.0"      | 4.5"      | 3.0"        | 1.0"         |
| 12"       | 3.5"      | 5.0"      | 3.5"        | 2.5"         |

**THRUST BLOCK SCHEDULE**

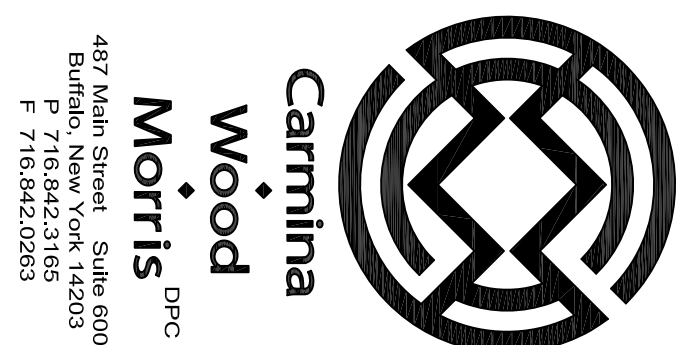


**TYPICAL WATER SERVICE LINE INSTALLATION**



**4" DOMESTIC SERVICE BACKFLOW PREVENTER INSTALLATION**

- NOTES:
- 1. NO TAPS TO BE MADE UPSTREAM OF RPZ & METER.
  - 2. HEAT, LIGHT AND ELECTRIC TO BE PROVIDED AT RPZ LOCATION.
  - 3. COORDINATE LOCATION WITH ARCHITECTURAL PLANS.



**REVISIONS:**

| No. | Description                            | Date     |
|-----|--|----------|
| 1   | Revised per ECWA comments              | 11/10/20 |
| 2   | Updated Site Layout per Daniele Family | 8/16/21  |

**PROJECT NAME:**  
 New Construction  
**Proposed Carwash**  
 1353, 1347, 1343 Union Road & 0 Fremont Ave  
 West Seneca, New York 14224

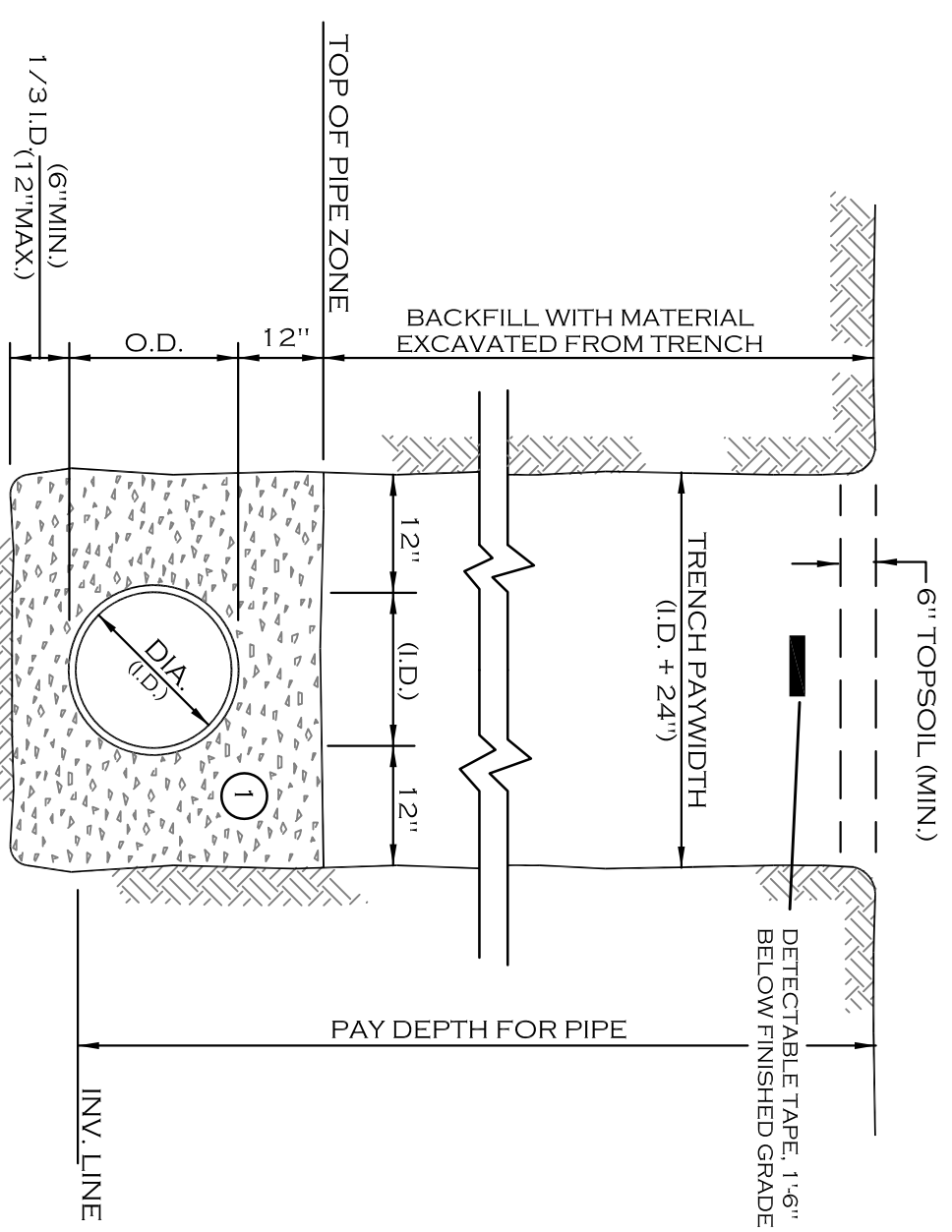
Issued for Construction: 9/11/20  
 Municipality Submission: C Wood  
 Scale: As Noted

**DRAWING NAME:**  
 Utility  
 Details

**DRAWING NO.:**  
**C-401**  
 Project no.: 20.085

UN-SHEETED TRENCH DETAIL

(JANUARY 2012)

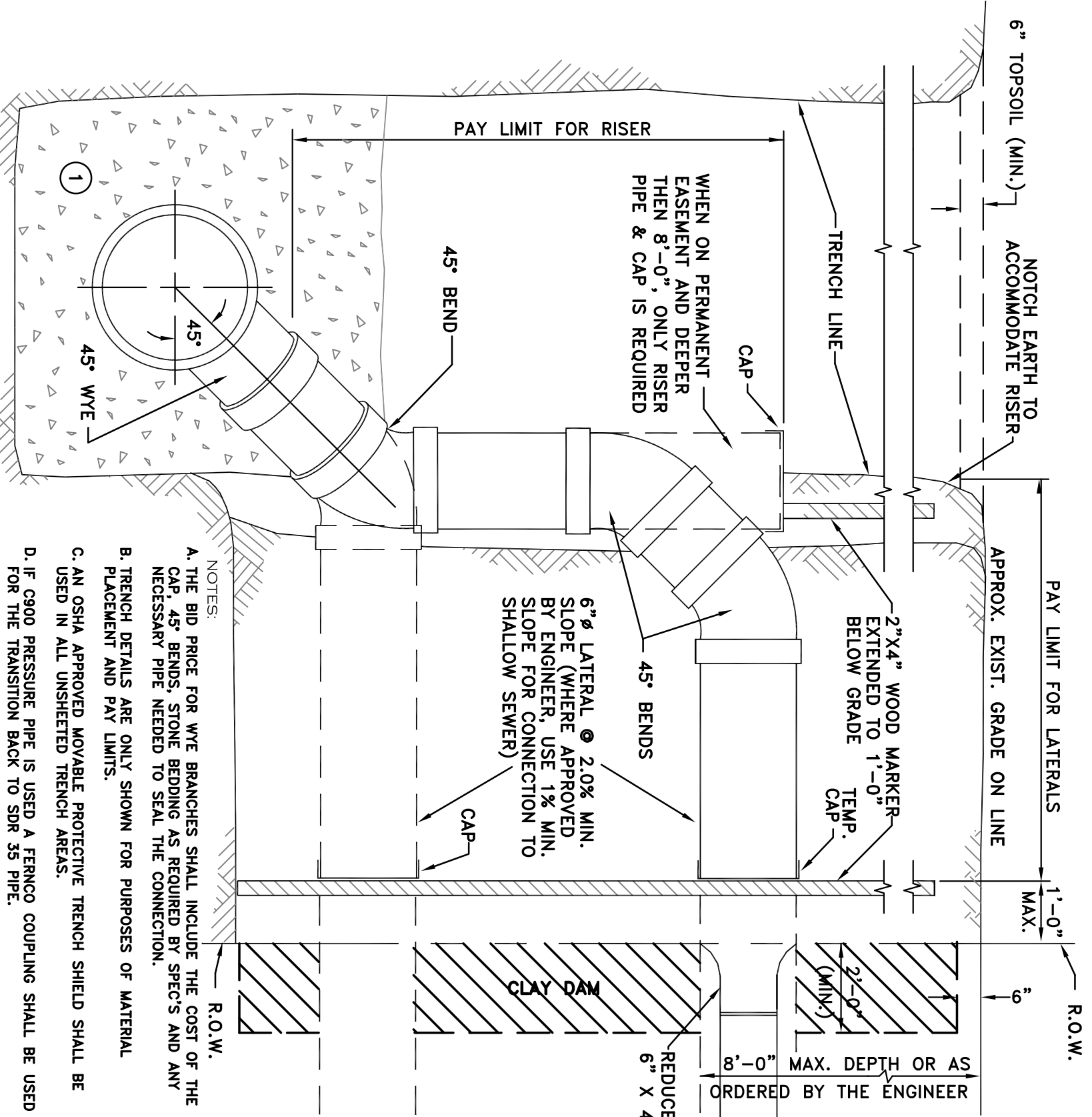


- NOTES:
- PIPE INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
  - TRENCHING OPERATIONS SHALL INCLUDE ALL NECESSARY DEWATERING.
  - TRENCH DETAILS ARE ONLY SHOWN FOR PURPOSES OF MATERIAL FLAGGEMENT AND MAXIMUM PAY LIMITS.
  - AN OSHA APPROVED MOVABLE PROTECTIVE TRENCH SHIELD SHALL BE USED IN ALL UN-SHEETED TRENCH AREAS.

MATERIALS

- NO. 1 CRUSHED STONE WITH A GRADATION CONFORMING WITH NYS DOT SECTION 703-02. THE CRUSHED STONE SHALL BE WELL GRADED WITH NO PARTICLES LARGER THAN 1" AND HAVING A MAXIMUM GRADATION WITH EQUIPMENT ACCEPTABLE TO THE PIPE MANUFACTURER.
- NOTE: SLAG SHALL NOT BE ALLOWED FOR MATERIALS ①

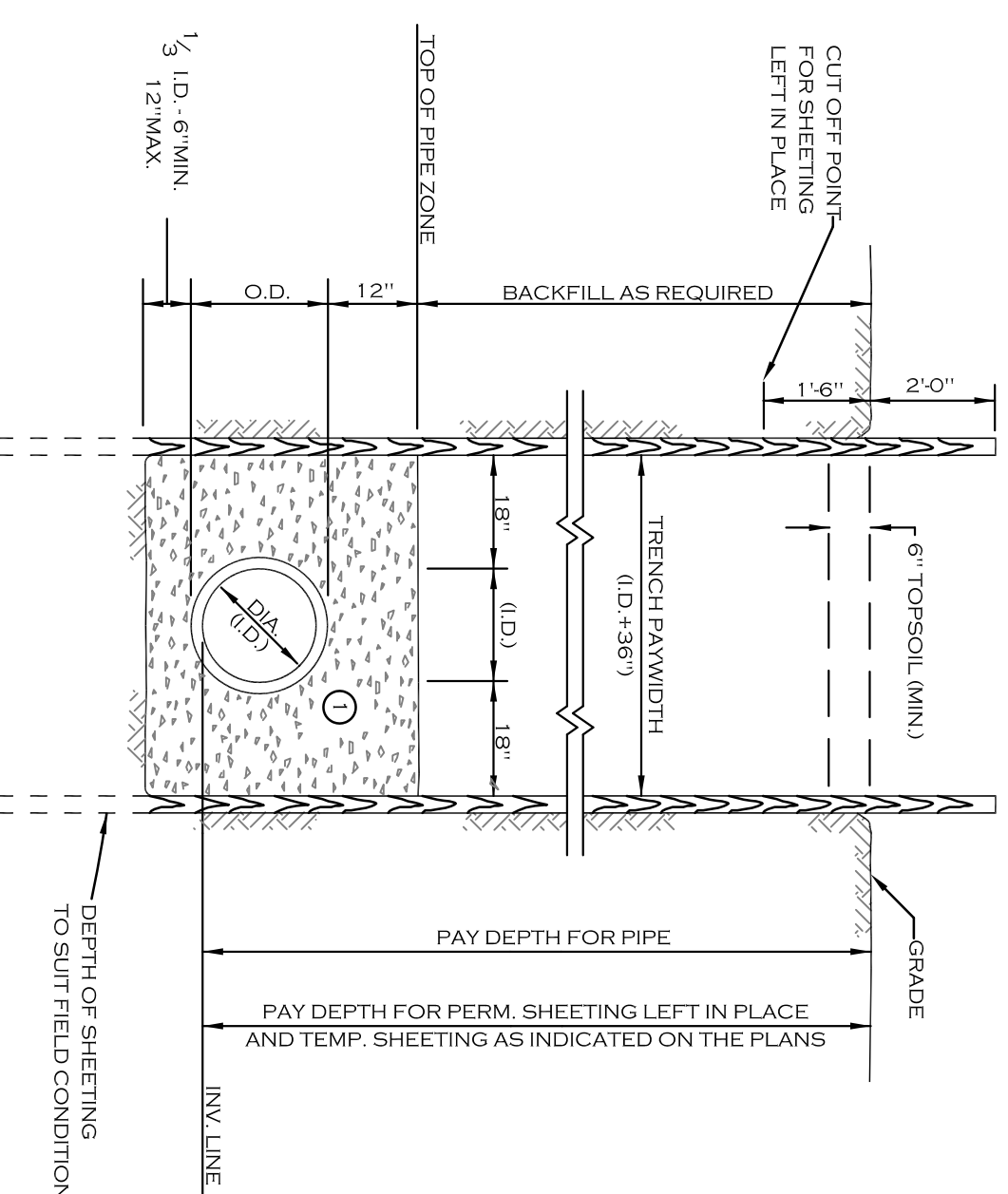
RISER DETAIL - SDR35  
(MAIN LINE LATERAL CONNECTION)  
(JANUARY 2012)



MATERIALS

- NO. 1 CRUSHED STONE WITH A GRADATION CONFORMING WITH NYS DOT SECTION 703-02. THE CRUSHED STONE SHALL BE WELL GRADED WITH NO PARTICLES LARGER THAN ONE INCH AND HAVING A MAXIMUM GRADATION MEETING THE LIMITS DESCRIBED IN THE SPECIFICATIONS. THE BEDDING SHALL BE COMPACTED IN 6" LIFTS WITH EQUIPMENT ACCEPTABLE TO THE PIPE MANUFACTURER. NO SLAG SHALL BE ALLOWED.

SHEETED TRENCH  
(JANUARY 2012)

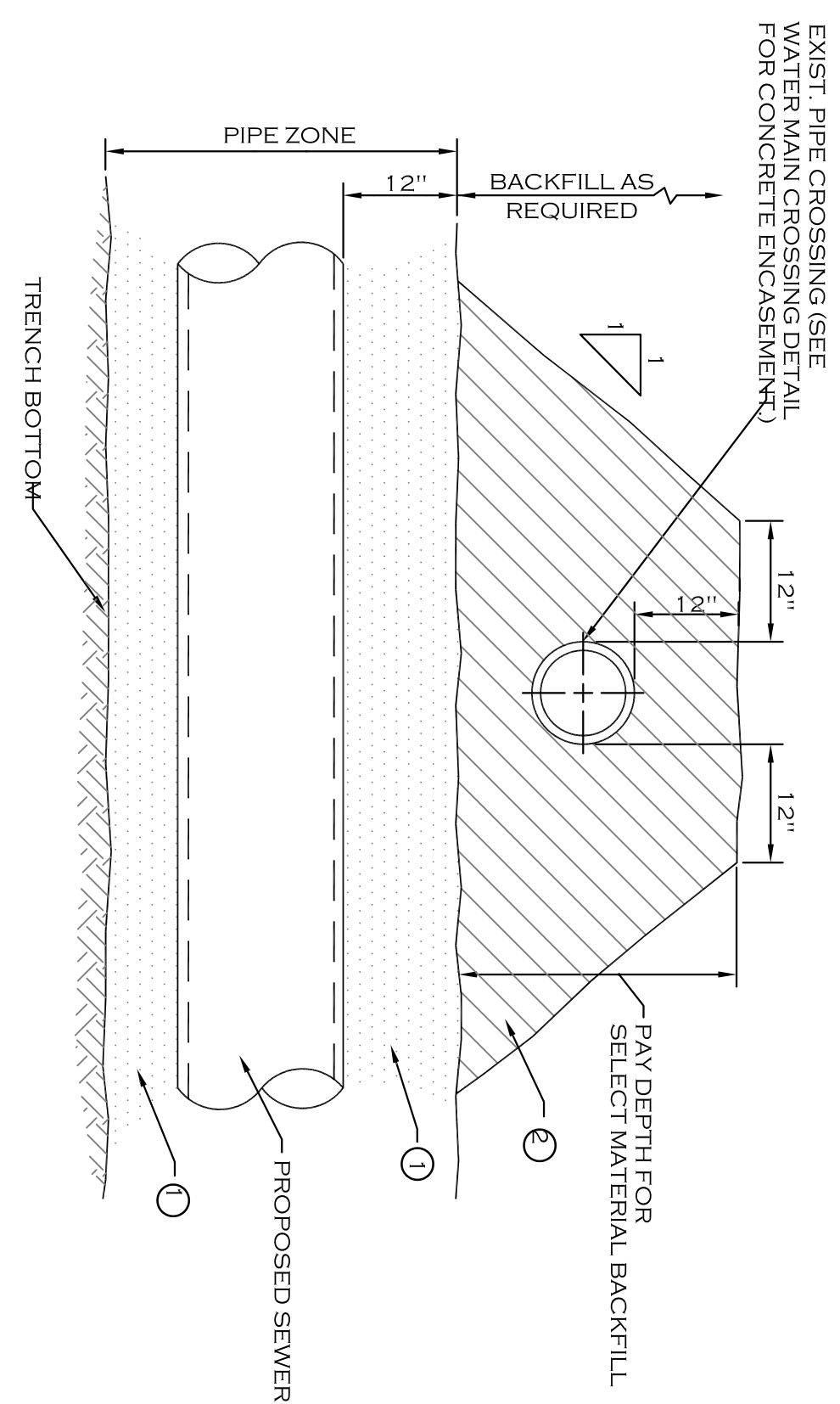


- NOTES:
- MAINTAIN 18" BETWEEN PIPE AND INSIDE FACE OF TEMPORARY SHEETING. IF SHEETING EXTENDS BELOW PIPE INVERT AS SHOWN, WHEN PVC PIPE MATERIAL IS USED, COMPACT MATERIAL ① BEFORE PULLING THE SHEETING.
  - SHEETED TRENCH OPERATIONS SHALL INCLUDE ALL NECESSARY DEWATERING EQUIPMENT.
  - SHEETING DRIVEN BELOW THE INVERT OF THE PIPE FOR BEDDING MATERIAL AND TOE SUPPORT WILL NOT BE CONSIDERED IN THE FORMULA FOR PAYMENT BUT SHOULD BE FIGURED BY THE CONTRACTOR IN DETERMINING HIS UNIT BID PRICE PER SQUARE FOOT OF SHEETING.
  - WHERE INDICATED ON THE PLANS OR AS ORDERED BY THE ENGINEER, TEMPORARY SHEETING WILL BE PAID FOR UNDER THE APPLICABLE BID ITEM. OTHER AREAS WHERE THE CONTRACTOR ELECTS TO USE TEMPORARY SHEETING NOT PREVIOUSLY AUTHORIZED BY THE ENGINEER SHALL BE AT HIS OPTION AND EXPENSE.

MATERIALS

- NO. 1 CRUSHED STONE WITH A GRADATION CONFORMING WITH NYS DOT SECTION 703-02. THE CRUSHED STONE SHALL BE WELL GRADED WITH NO PARTICLES LARGER THAN 1" AND HAVING A MAXIMUM GRADATION WITH EQUIPMENT ACCEPTABLE TO THE PIPE MANUFACTURER.
- NOTE: SLAG SHALL NOT BE ALLOWED FOR MATERIALS ①

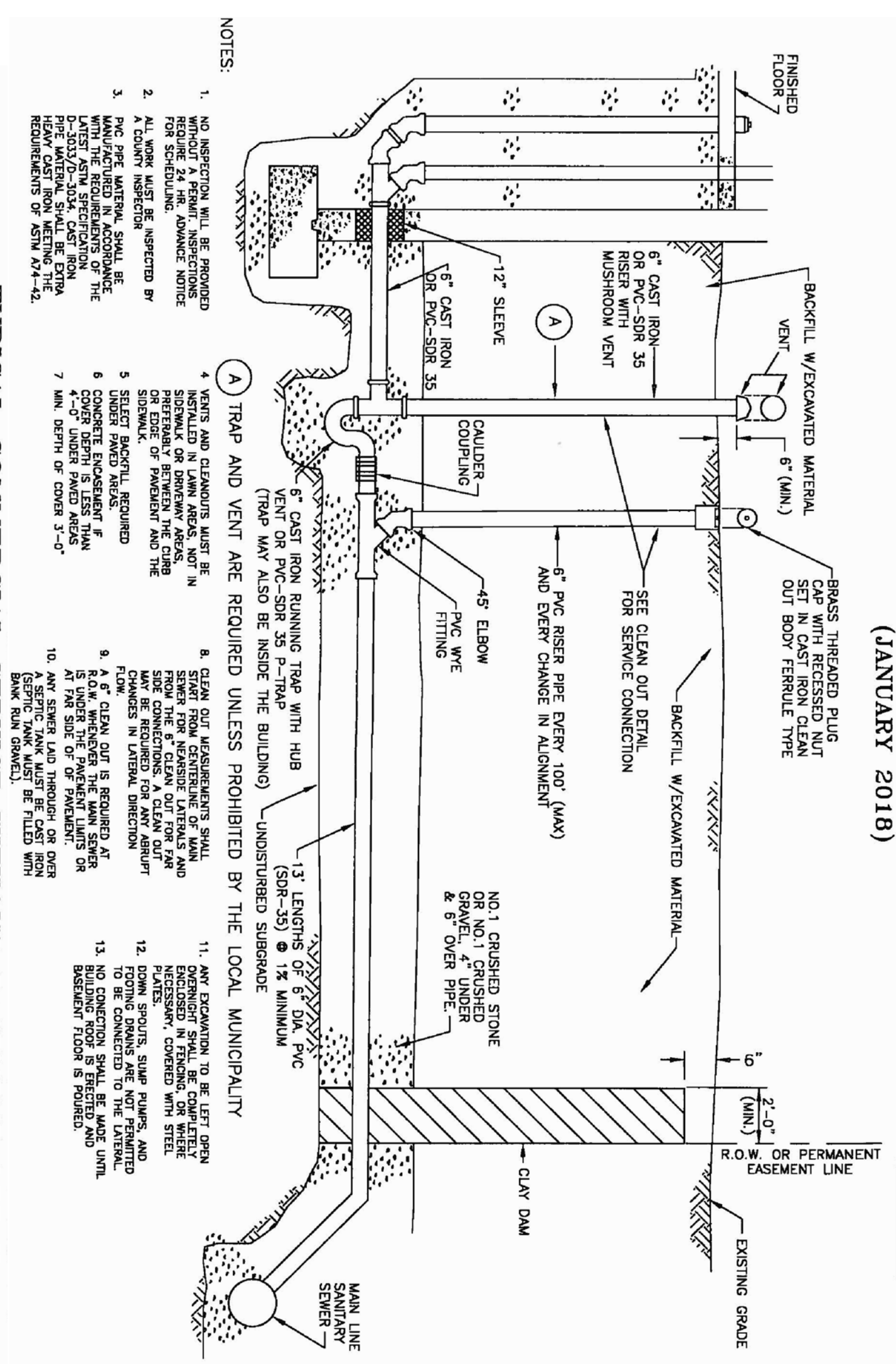
PIPE CROSSING SUPPORT DETAIL  
(JANUARY 2012)



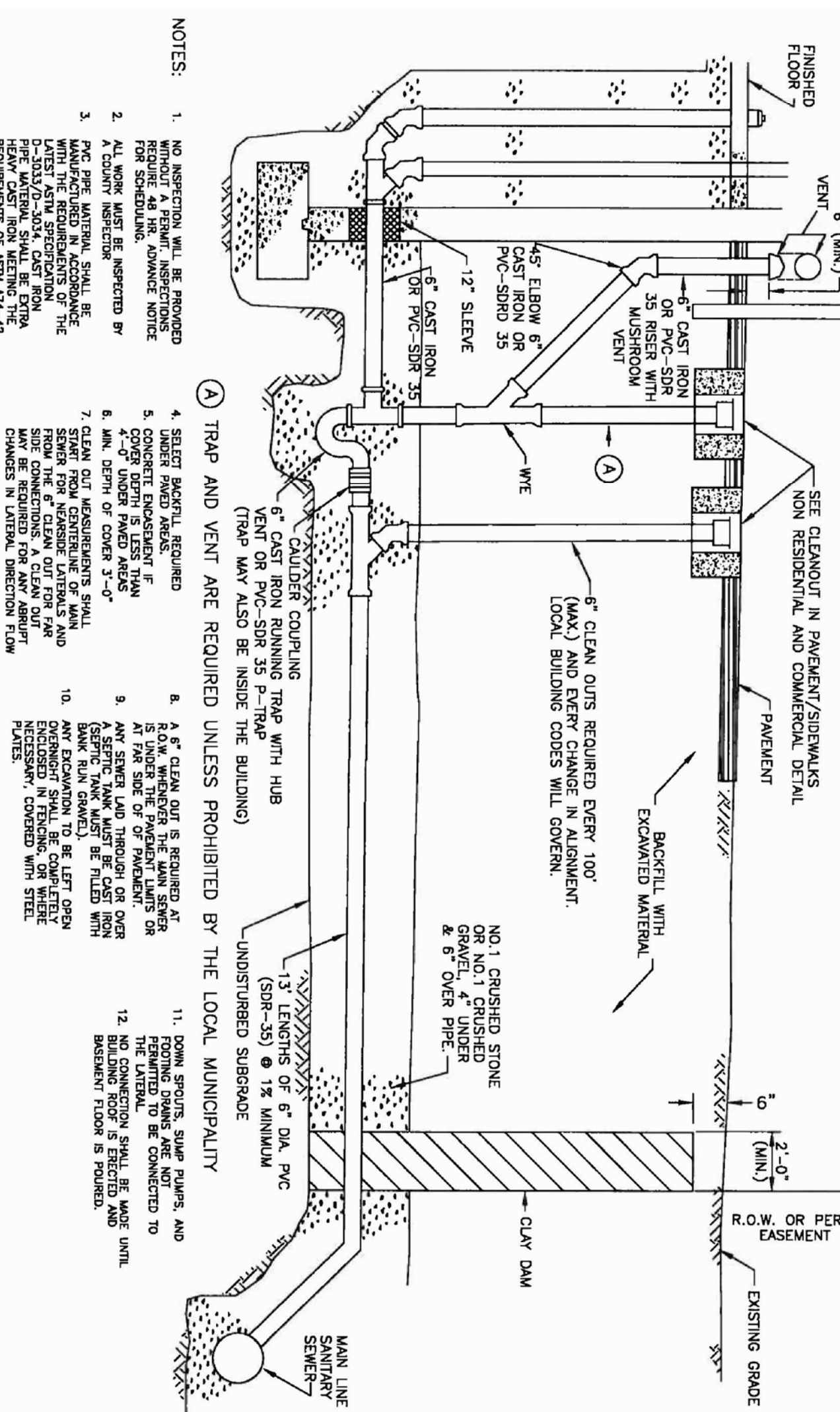
MATERIALS

- NO. 1 CRUSHED STONE WITH A GRADATION CONFORMING WITH NYS DOT SECTION 703-02. THE CRUSHED STONE SHALL BE WELL GRADED WITH NO PARTICLES LARGER THAN ONE INCH AND HAVING A MAXIMUM GRADATION MEETING THE LIMITS DESCRIBED IN THE SPECIFICATIONS. THE BEDDING SHALL BE COMPACTED IN 6" LIFTS WITH EQUIPMENT ACCEPTABLE TO THE PIPE MANUFACTURER.
- NO. 2 RUN OF CRUSHER STONE OR NO. 2 RUN OF CRUSHER GRAVEL WITH A GRADATION CONFORMING WITH NYS DOT SECTION 304-2.02 TYPE 4 AND NYS DOT SECTION 703-02. (COMPACTED IN 6" LIFTS TO 90% DENSITY) NOTE: SLAG SHALL NOT BE ALLOWED FOR MATERIALS ① AND ②

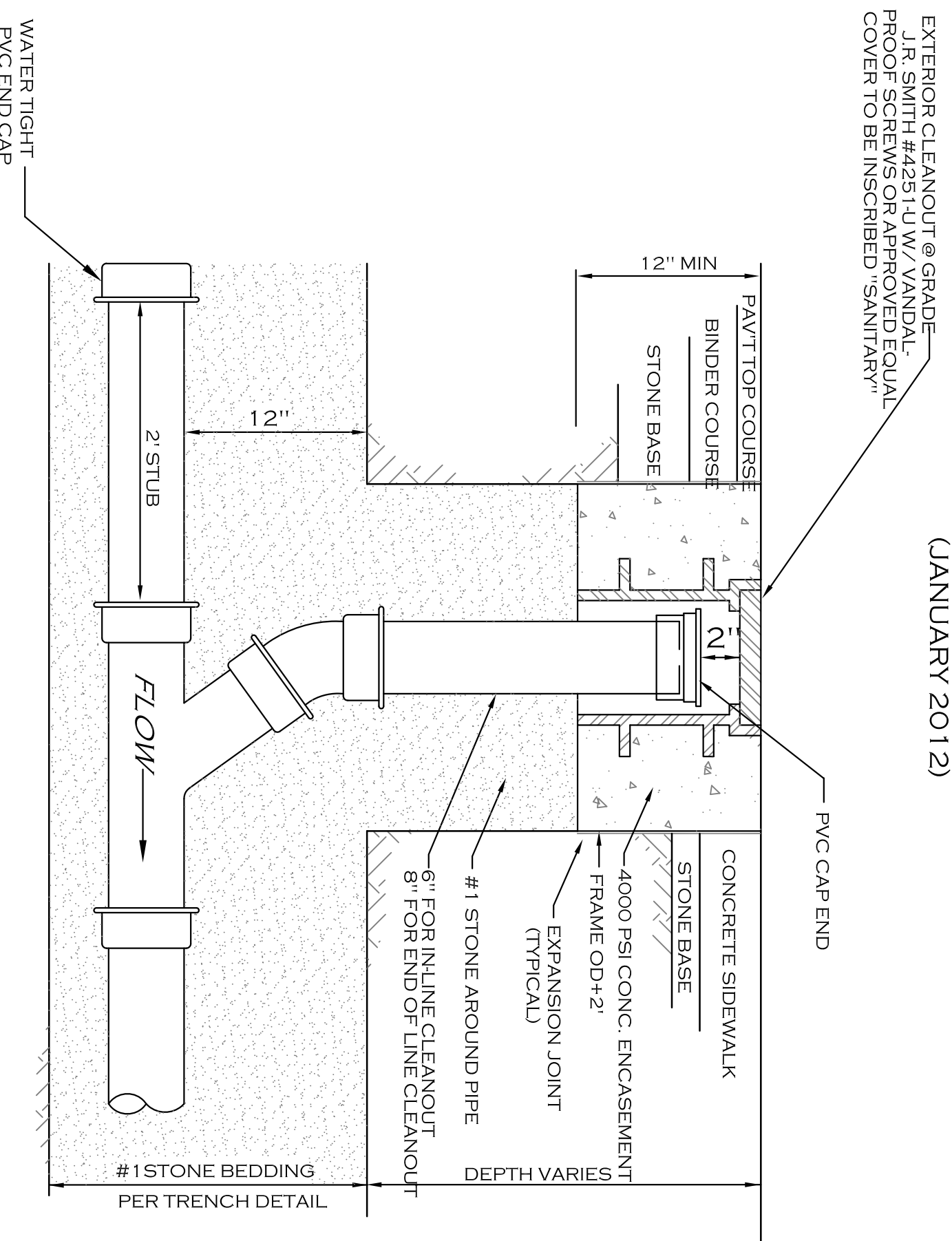
TYPICAL COMMERCIAL SERVICE WITHOUT BASEMENT DETAIL  
(JANUARY 2018)

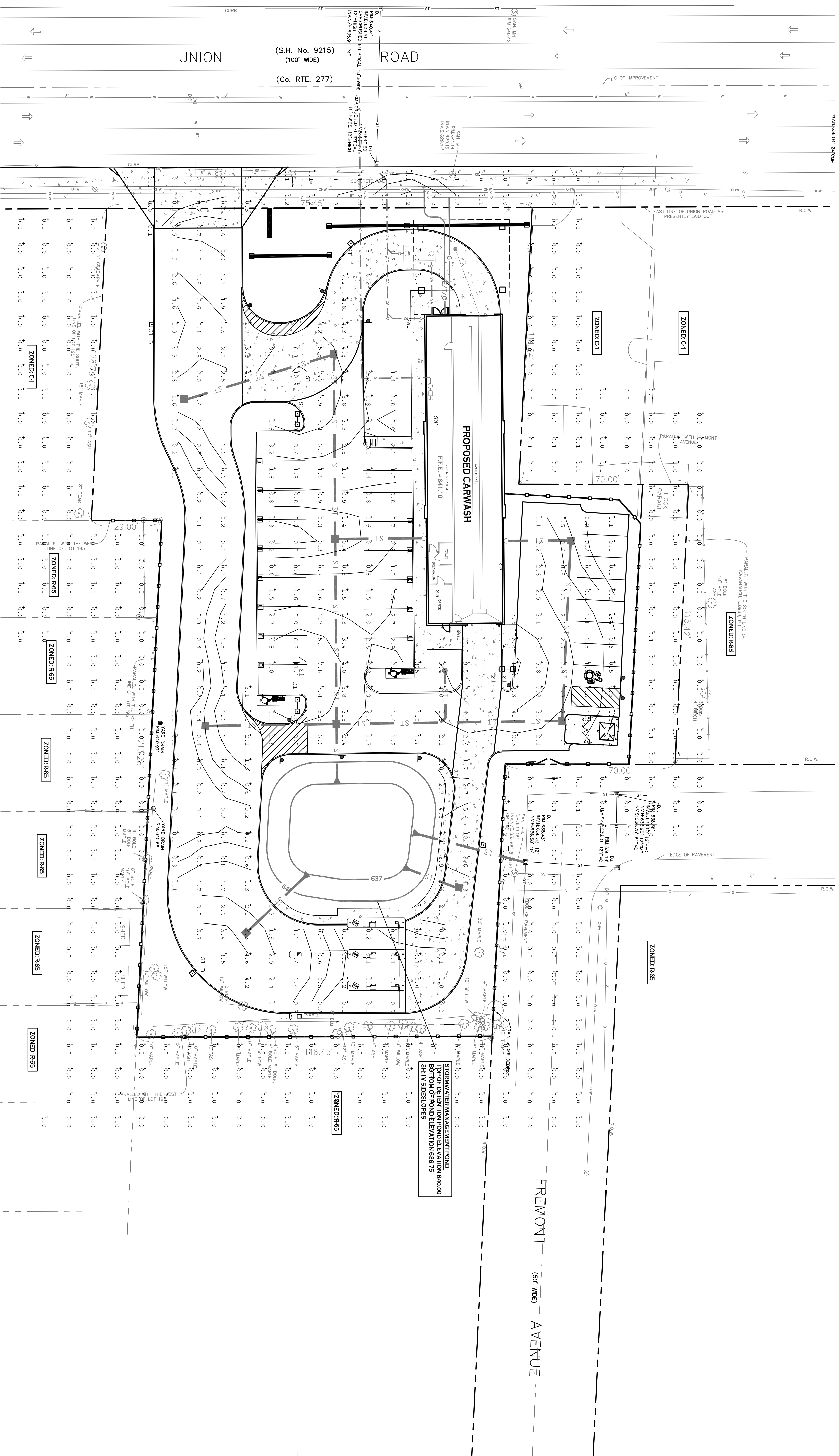


TYPICAL COMMERCIAL SERVICE WITHOUT BASEMENT DETAIL  
VENT CAP/RISER IN PAVEMENT  
(JANUARY 2018)



CLEANOUT IN PAVEMENT/SIDEWALKS  
NON RESIDENTIAL AND COMMERCIAL PROJECTS  
(JANUARY 2012)





**SITE LIGHTING PLAN**  
SCALE: 1"=20'

| Symbol | Qty | Label | Description                            | Units | Avg  | Max  | Min |
|--------|-----|-------|--|-------|------|------|-----|
| SI     | 8   | SI    | Gardco ECF-S-32L-1A-WW-AR-C2-4-HIS @ 1 | FC    | 0.02 | 1.2  | 0.0 |
| SI     | 5   | SI    | Tracelle WIZ4-3-4K @ 12ft              | FC    | 0.02 | 1.2  | 0.0 |
| SI     | 2   | SI-B  | Gardco ECF-S-32L-1A-WW-SF-C2-4-HIS @ 1 | FC    | 2.25 | 11.1 | 0.0 |

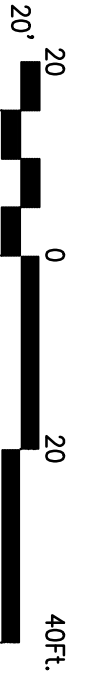
| Calculation Summary | CalcType | Units | Avg  | Max  | Min |
|---------------------|----------|-------|------|------|-----|
| Perimeter           | FC       | FC    | 0.02 | 1.2  | 0.0 |
| Surface             | FC       | FC    | 2.25 | 11.1 | 0.0 |

NOTE: FOOTCANDLE READINGS ARE INDICATED AT 1.5' HEIGHT.  
THE SITE SHALL BE LIT TO MEET THE REQUIREMENTS OF THE ZONING ORDINANCES.  
ALL FOOTCANDLE READINGS ARE INDICATED AT 1.5' HEIGHT.  
ALL FOOTCANDLE READINGS ARE INDICATED AT 1.5' HEIGHT.



David Surtant  
Solutions  
dvsolutions@veritem.com  
220 Dwight Street  
Buffalo, NY 14205  
O: 716-842-3600  
C: 716-800-0197

NOTE: BOUNDARY AND TOPOGRAPHIC INFORMATION PROVIDED BY OTHERS. CARMINA WOOD MORRIS, D.P.C. ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY.



| No. | Description                            | Date     |
|-----|--|----------|
| 1   | Rev. Site Lighting per Planning Board  | 11/20/20 |
| 2   | Updated Site Layout per Daniele Family | 8/16/21  |

PROJECT NAME:  
**New Construction**  
**Proposed Carwash**  
1353, 1347, 1343 Union Road & 0 Fremont Ave  
West Seneca, New York 14224

Issued for Construction: 9/11/20  
Municipality Submission: Car Wood  
Scale: As Noted

DRAWING NAME:  
**Site Lighting Plan**

DRAWING NO.:  
**C-500**  
Project no.: 20.085

Carmina Wood Morris DPC  
487 Main Street, Suite 600  
Buffalo, New York 14203  
F: 716-842-0283





Site & Area  
EcoForm  
EcoForm small profile



Gardco EcoForm Gen-2 combines economy with performance in an LED area luminaire. Innovative EcoForm offers a new level of customizability. EcoForm features a modular design that allows for a wide range of configurations. EcoForm is designed to be installed in a variety of applications, including commercial, industrial, and outdoor. EcoForm is a high-quality, durable luminaire that provides excellent performance and long life. EcoForm is a modular luminaire that can be configured in a variety of ways to meet your specific needs. EcoForm is a high-quality, durable luminaire that provides excellent performance and long life. EcoForm is a modular luminaire that can be configured in a variety of ways to meet your specific needs.

example ECF-S-4L-200-WH-DR-4L-120-H-10V

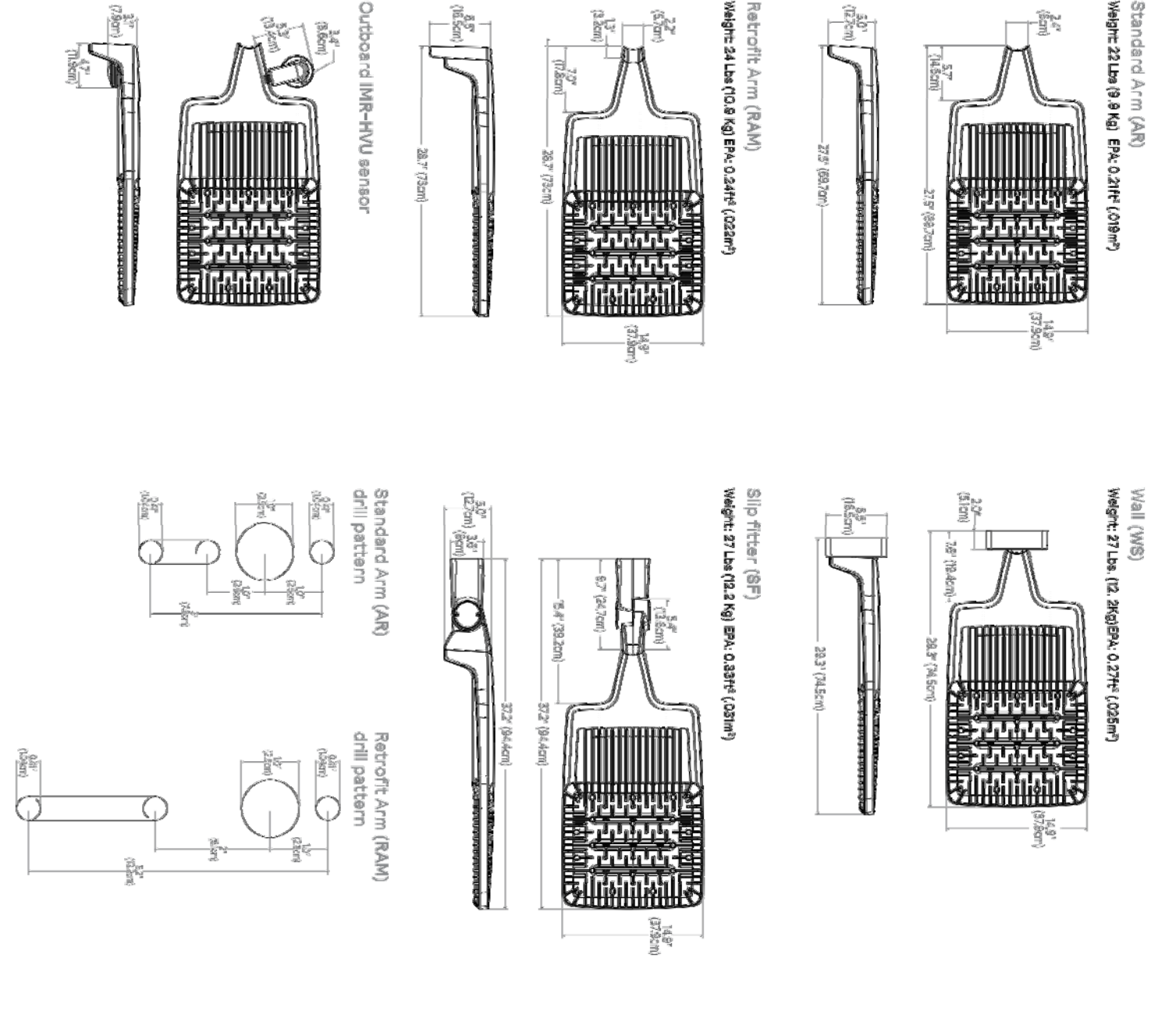
Offering guide table with columns for EcoForm Gen-2 variants (ECF-S, ECF-L, ECF-M, ECF-H) and their specifications including luminaire type, wattage, height, and mounting options.

- 1. EcoForm Gen-2 is a modular luminaire...
2. EcoForm Gen-2 is a modular luminaire...
3. EcoForm Gen-2 is a modular luminaire...
4. EcoForm Gen-2 is a modular luminaire...
5. EcoForm Gen-2 is a modular luminaire...

ECF-S EcoForm small Area luminaire



### ECF-S EcoForm small Area luminaire



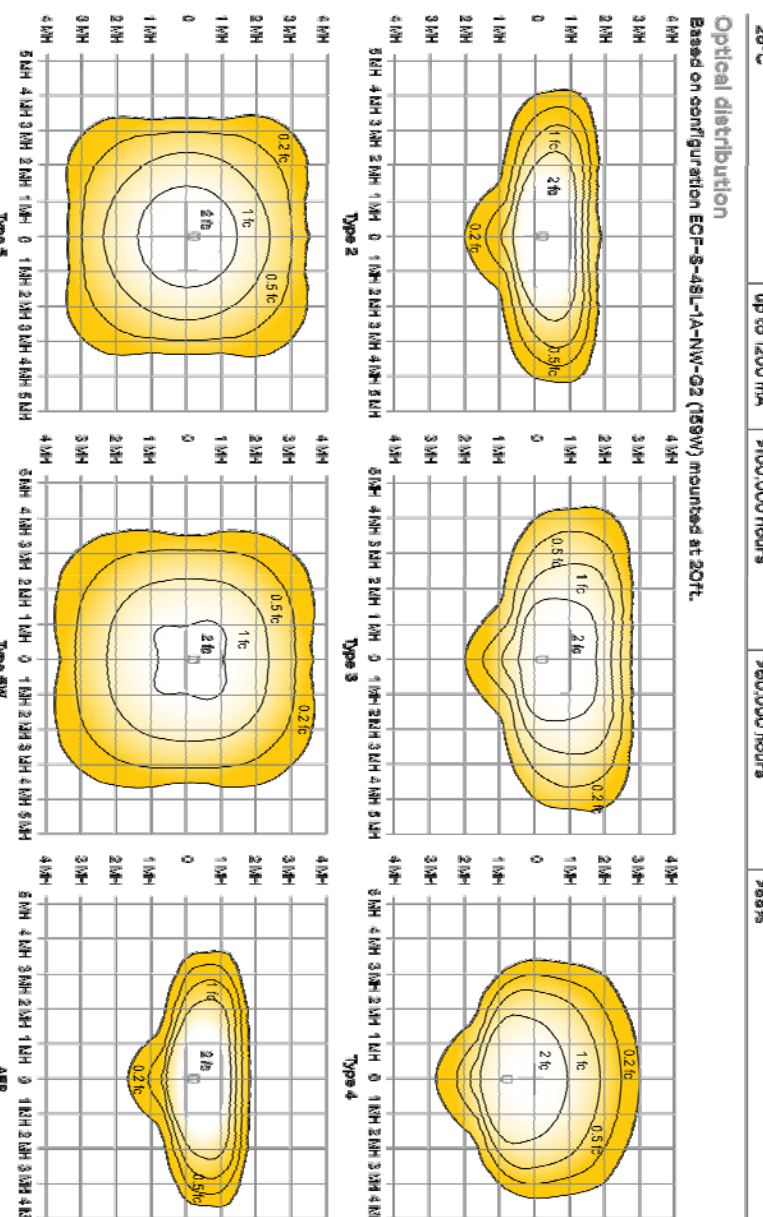
ECF-S EcoForm small Area luminaire

### ECF-S EcoForm small Area luminaire

EcoForm accessories (ordered separately) field finished

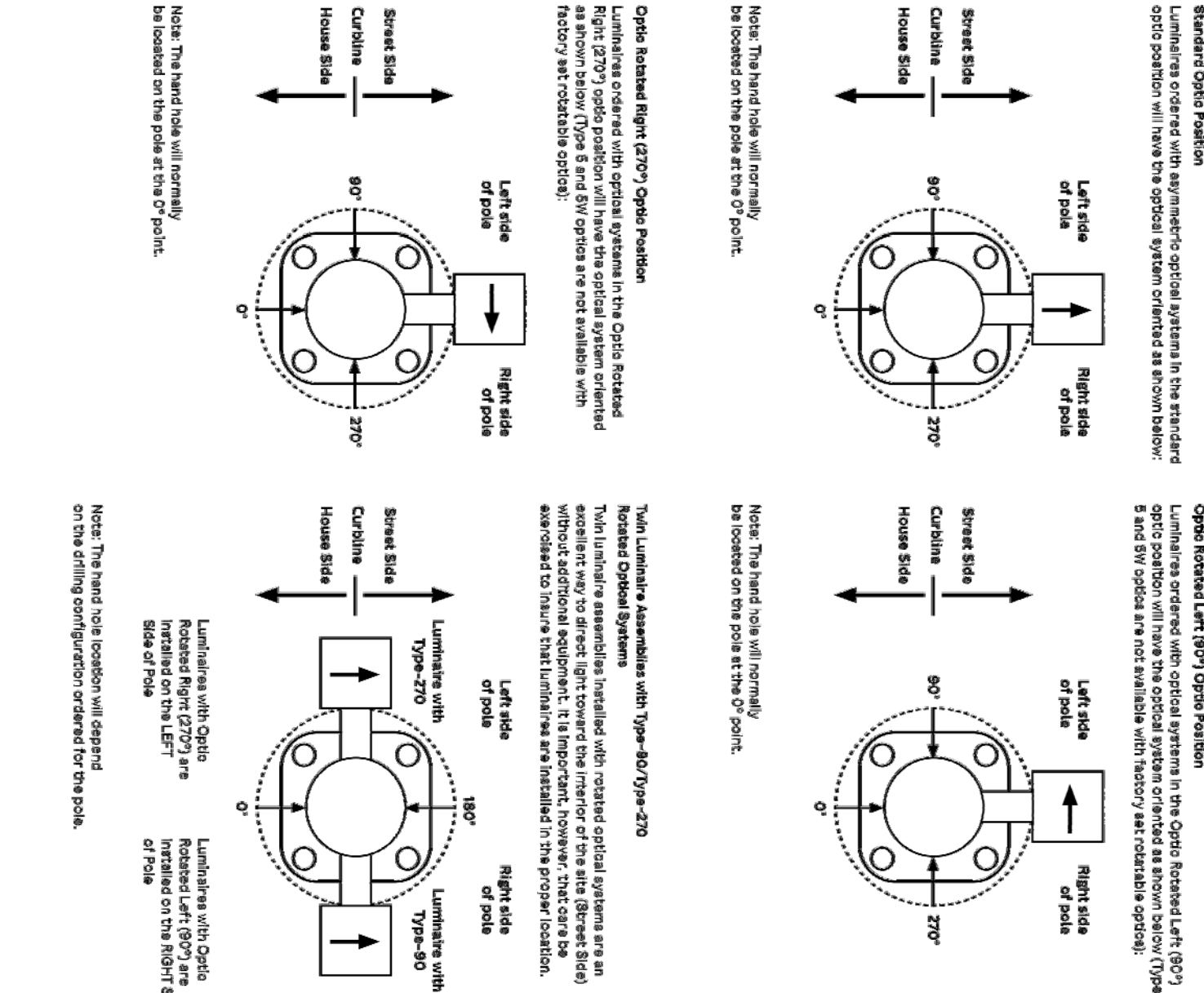
Table of EcoForm accessories including mounting brackets, diffusers, and other components with their respective part numbers and descriptions.

Table of photometric data for ECF-S EcoForm small luminaires, including beam spread, footcandle distribution, and lumen output at various heights.



ECF-S EcoForm small Area luminaire

### ECF-S EcoForm small Area luminaire



ECF-S EcoForm small Area luminaire

### ECF-S EcoForm small Area Luminaire

3000K LED Wattage and Lumen Values

Table of 3000K LED wattage and lumen values for various ECF-S EcoForm small luminaire models and mounting heights.

Table of 4000K LED wattage and lumen values for various ECF-S EcoForm small luminaire models and mounting heights.

ECF-S EcoForm small Area luminaire

### ECF-S EcoForm small Area Luminaire

General information and specifications for ECF-S EcoForm small area luminaires, including mounting options, electrical requirements, and performance data.

ECF-S EcoForm small Area luminaire

### ECF-S EcoForm small Area Luminaire

5000K LED Wattage and Lumen Values

Table of 5000K LED wattage and lumen values for various ECF-S EcoForm small luminaire models and mounting heights.

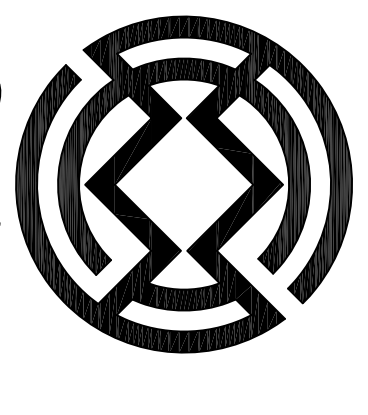
Table of 6000K LED wattage and lumen values for various ECF-S EcoForm small luminaire models and mounting heights.

ECF-S EcoForm small Area luminaire

### ECF-S EcoForm small Area Luminaire

Additional technical details and specifications for ECF-S EcoForm small area luminaires, including beam spread diagrams and mounting options.

ECF-S EcoForm small Area luminaire

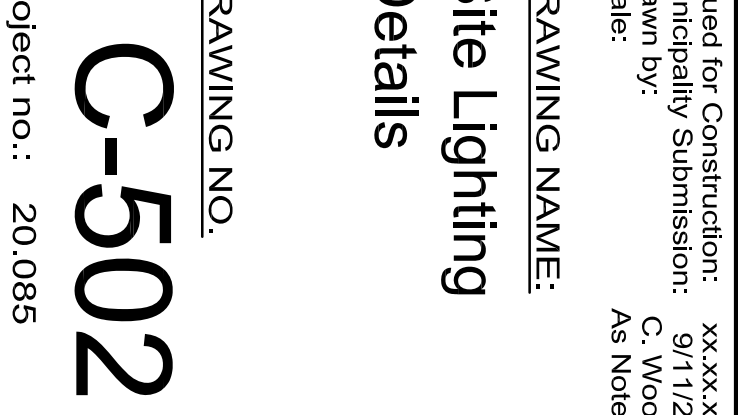


487 Main Street, Suite 600  
Buffalo, New York 14203  
F 716 842 0283

REVISIONS table with columns for No., Description, and Date.

PROJECT NAME: New Construction  
Proposed Carwash  
1353, 1347, 1343 Union Road & 0 Fremont Ave  
West Seneca, New York 14224

DRAWING NO.: C-502  
Project no.: 20.085  
Issued for Construction: 9/11/20  
Municipality Submission: C Wood  
Scale: As Noted  
DRAWING NAME: Site Lighting  
Details



| REVISIONS: |             |      |
|------------|-------------|------|
| No.        | Description | Date |
|            |             |      |

PROJECT NAME:  
 New Construction  
**Proposed Carwash**  
 1353, 1347, 1343 Union Road & 0 Fremont Ave  
 West Seneca, New York 14224

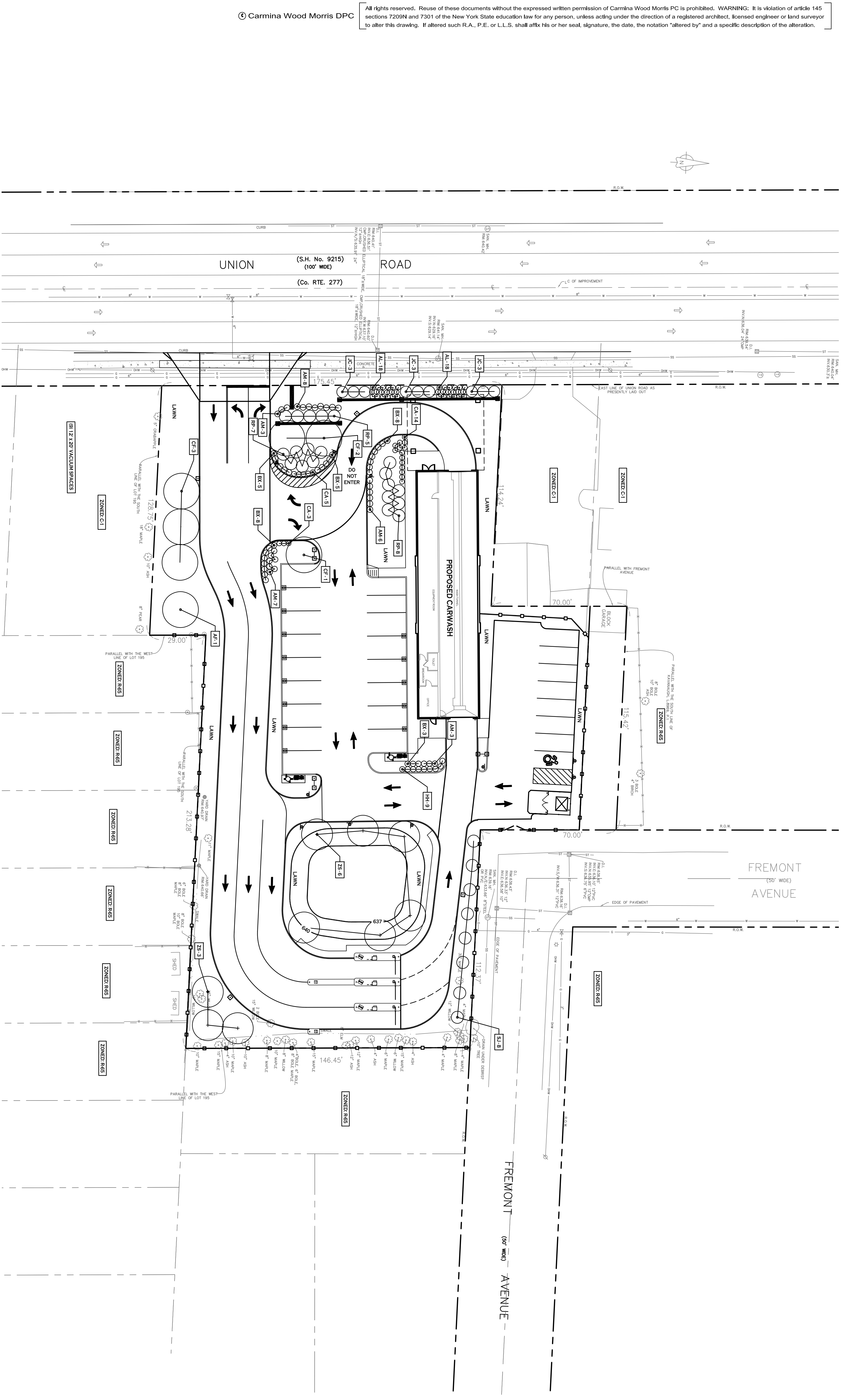
Issued for Construction: xx.xx.xx  
 Municipality Submission: 9/11/20  
 Drawn by: C. Wood  
 Scale: As Noted

DRAWING NAME:  
**Landscape Plan**

DRAWING NO.

**L-100**

Project no.: 20.085

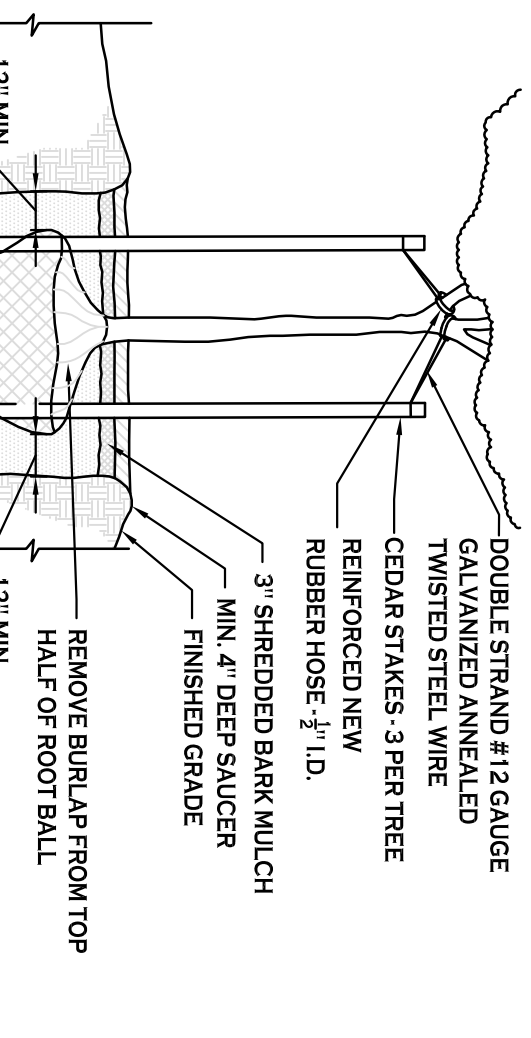
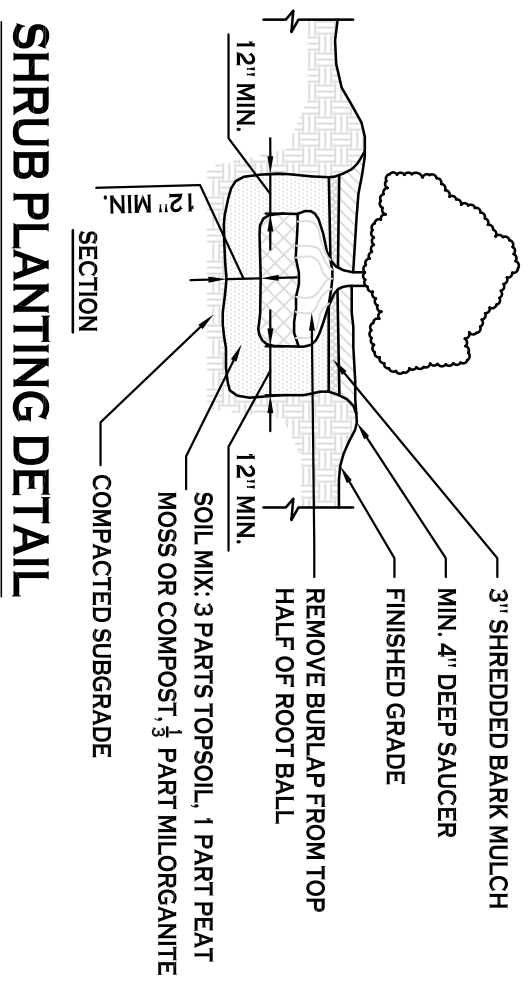


**LANDSCAPE PLAN**  
 SCALE: 1"=20'

**PLANTING SCHEDULE - PROPOSED CAR WASH, UNION ROAD**

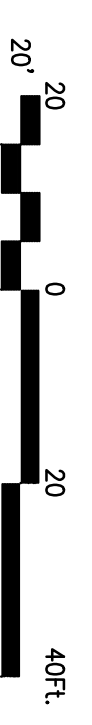
| KEY | QTY. | BOTANICAL NAME                            | COMMON NAME                    | MIN. SIZE        | REMARKS     |
|-----|------|---|--------------------------------|------------------|-------------|
|     |      | DECIDUOUS TREES                           |                                |                  |             |
| AF  | 1    | ACER C. FREEMANI 'CELEBRATION'            | CELEBRATION MAPLE              | 2" CAL.          | BBB         |
| ZS  | 9    | ZELKOVA SERRATA 'VILLAGE GREEN'           | VILLAGE GREEN ZELKOVA          | 2 1/2" CAL.      | BBB         |
|     |      | ORNAMENTAL TREES                          |                                |                  |             |
| CF  | 6    | CORNUS FLORIDA 'STELLAR PINK'             | STELLAR PINK FLOWERING DOGWOOD | 1 1/2" CAL.      | BB          |
|     |      | SHRUBS & EVERGREENS                       |                                |                  |             |
| AL  | 36   | ARONIA MELANOCARPA 'LOW SCAPE MOUND'      | MOUND CHOKEBERRY               | 15"              | NO. 3 CONT. |
| AM  | 27   | ARONIA MELANOCARPA 'LOW SCAPE HEDGER'     | HEDGE CHOKEBERRY               | 15"              | NO. 3 CONT. |
| BR  | 29   | BUXUS MICROPHYLLO 'WINTER GEM'            | WINTER GEM BOXWOOD             | 15"              | BB          |
| JC  | 9    | JUNIPERUS CHINENSIS 'NICK'S COMPACT'      | NICK'S COMPACT JUNIPER         | 18"              | BB          |
| RP  | 20   | ROSA 'PURPLE PAVEMENT'                    | PURPLE PAVEMENT ROSE           | 15"              | NO. 3 CONT. |
| SI  | 8    | JUNIPERUS SCOPULORUM 'SNYROCKET'          | SNYROCKET JUNIPER              | 1 1/4" - 2" CAL. | BBB         |
|     |      | ORNAMENTAL GRASSES                        |                                |                  |             |
| CA  | 22   | CALAMAGROSTIS X ACUTIFLORA 'KARL FORSTER' | KARL FORSTER REED GRASS        | CLUMP            | NO. 2 CONT. |
|     |      | PERENNIALS & GROUND COVERS                |                                |                  |             |
| HH  | 9    | HEBERCOLLIUS 'HAPPY RETURNS'              | HAPPY RETURNS DANGLY           | NO. 2 CONT.      | NO. 2 CONT. |

NOTES: ALL PLANTING BEDS AND TREE PITS SHALL RECEIVE A 4 TO 6 INCH DEPTH OF RIVER ROCK STONE MULCH. CONTRACTOR SHALL TAKE ALL REASONABLE MEASURES TO PROTECT EXISTING TREES WHICH ARE TO BE PRESERVED FROM ALL POSSIBLE TYPES OF ROOT, TRUNK, AND LIMB DAMAGE, INCLUDING BUT NOT LIMITED TO, RETAINING WALLS WHICH PREVENT FILLING ON TOP OF ROOTS OR EXCAVATING ROOTS.

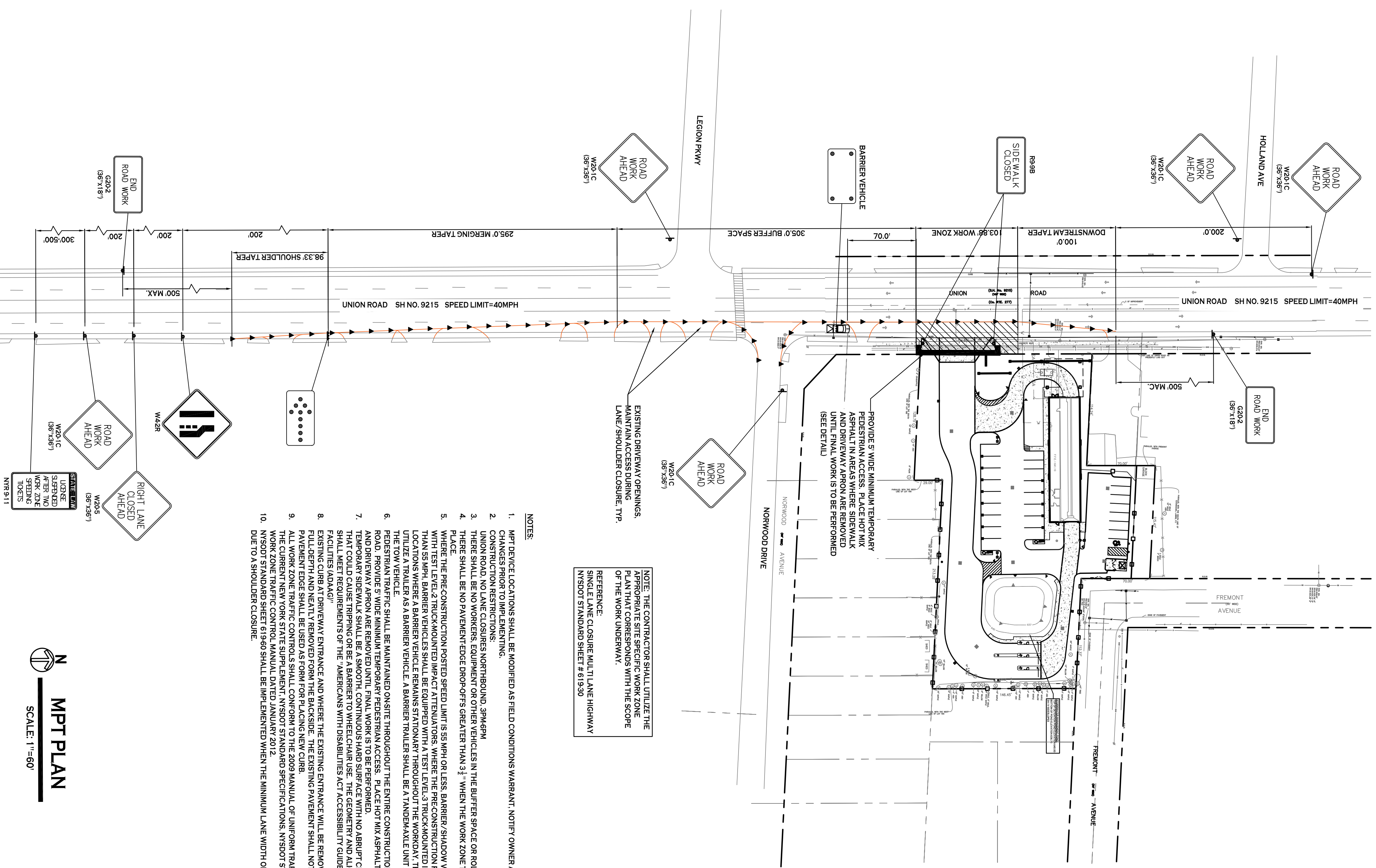


**PLANTING NOTES:**  
 1. ALL INTERIOR LANDSCAPED AREAS SHALL HAVE A MINIMUM PLANTING SOIL DEPTH OF THREE (3) FEET AND BE FREE FROM ALL FORMS OF CONSTRUCTION DEBRIS AND FOREIGN MATERIAL.  
 2. ALL TREE PIT SAUCERS, SHRUB BEDS, ORNAMENTAL GRASS BEDS, AND PERENNIAL BEDS SHALL BE FILL WITH 3" SHREDED BARK MULCH.  
 3. ALL SEASONAL FLOWER BEDS SHALL BE A MINIMUM OF TWELVE (12) INCHES DEEP WITH A WELL-BLENDED MIXTURE OF 50% PEAT MOSS, SEASONAL FLOWER BEDS SHALL RECEIVE 'PREEM' HERBICIDE. NO MULCH SHALL BE INSTALLED IN THE SEASONAL FLOWER BEDS.  
 4. ALL DECIDUOUS AND EVERGREEN TREES SHALL BE STAKED WITH THREE (3) TREE STAKES AS PER TREE PLANTING DETAIL.

**NOTE: BOUNDARY AND TOPOGRAPHIC INFORMATION PROVIDED BY OTHERS. CARMINA WOOD MORRIS, D.P.C. ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY.**



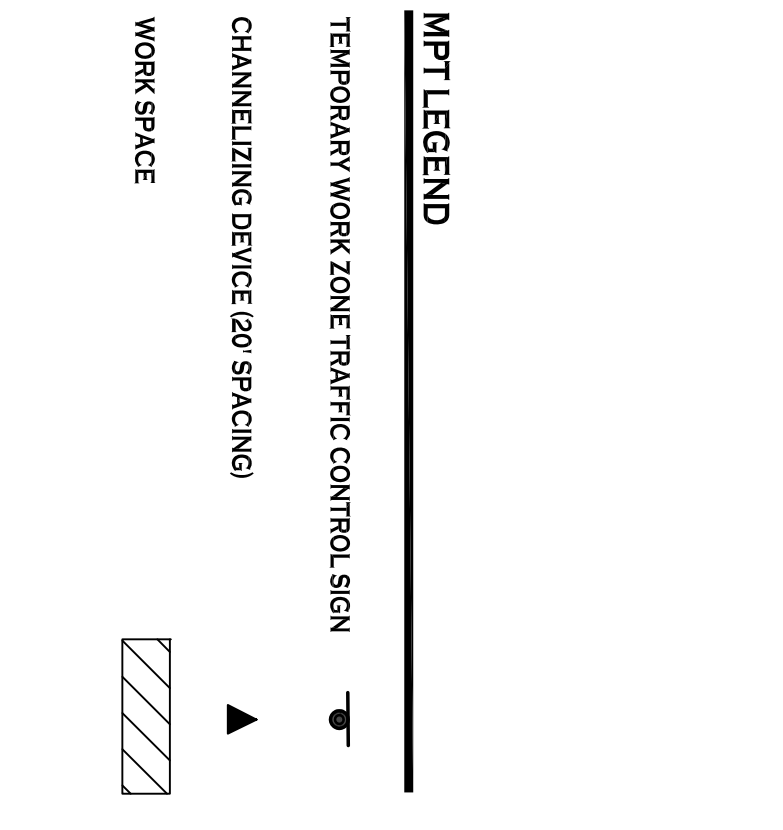




NOTE: THE CONTRACTOR SHALL UTILIZE THE ABOVE SIGNAGE FOR WORK ZONE PLANNING THAT CORRESPONDS WITH THE SCOPE OF THE WORK UNDERWAY.  
 REFERENCE: SINGLE LANE CLOSURE MULTI LANE HIGHWAY (NSDOT STANDARD SHEET # 619130)

- NOTES:**
1. WPT DEVICE LOCATIONS SHALL BE MODIFIED AS FIELD CONDITIONS WARRANT. NOTIFY OWNER AND NYSDOT ENGINEER OF CHANGES PRIOR TO IMPLEMENTING.
  2. CONSPICUOUS REFLECTIVE SIGNAGE SHALL BE PLACED AT THE BEGINNING AND END OF THE WORK ZONE TO MAINTAIN VISIBILITY PARALLEL TO ALL TIMES. VEHICLES OPERATING ON THE PAVEMENT OF A CLOSED ROADWAY OR TRAVEL LANE SHALL DISPLAY FOUR WAY FLASHER OR ROTATING AMBER BEACONS AT ALL TIMES. VEHICLES USING HEADLIGHTS, EXCEPT FOR ROLLERS AND VEHICLES RETRIEVING CHANNELIZING DEVICES, SHALL FLARE, FLASHING IN THE SAME DIRECTION AS ADJACENT TRAFFIC, IN ORDER TO AVOID CLAYE AND CONFUSION TO DRIVERS. THE CONTRACTOR SHALL MEET THE FOLLOWING ADDITIONAL REQUIREMENTS FOR WORK ZONE TRAFFIC CONTROL DURING NIGHTTIME OPERATIONS.
  3. NYSDOT STANDARD SHEET # 619130
  4. EXISTING DRIVEWAY OPENINGS, MAINTAIN ACCESS DURING LANE/SHOULDER CLOSURE, TYP.
  5. WHERE THE PRE-CONSTRUCTION POSTED SPEED LIMIT IS 55 MPH OR LESS, BARRIER, SHADOW VEHICLES SHALL BE EQUIPPED WITH TEST LEVEL 2 TRUCK MOUNTED IMPACT ATTENUATORS, WHERE THE PRE-CONSTRUCTION POSTED SPEED LIMIT IS MORE THAN 55 MPH, BARRIER VEHICLES SHALL BE EQUIPPED WITH TEST LEVEL 3 TRUCK MOUNTED IMPACT ATTENUATORS FOR LOCATIONS WHERE A BARRIER VEHICLE REMAINS STATIONARY THROUGHOUT THE WORKDAY. THE CONTRACTOR SHALL ELECT TO UTILIZE EITHER TYPE 1 OR TYPE 2 BARRIER VEHICLES. A BARRIER TRAILER SHALL BE A HANDSHAKE UNIT AND SHALL BE DETACHED FROM THE TOW VEHICLE.
  6. PEDESTRIAN TRAFFIC SHALL BE MAINTAINED ON SITE THROUGHOUT THE ENTIRE CONSTRUCTION DURATION ALONG UNION ROAD. PROVIDE 5' WIDE MINIMUM TEMPORARY PEDESTRIAN ACCESS. PLACE HOT MIX ASPHALT IN AREAS WHERE SIDEWALK AND DRIVEWAY APPROX ARE REMOVED UNTIL FINAL WORK IS TO BE PERFORMED.
  7. TEMPORARY SIDEWALKS SHALL BE A SMOOTH, CONTINUOUS HARD SURFACE WITH NO ABRUPT CHANGES IN GRADE OR TERRAIN THAT COULD BE AN OBSTACLE TO WHEELCHAIR USE. THE GEOMETRIC AND ALIGNMENT OF THE FACILITY SHALL BE IDENTICAL TO THE ORIGINAL SIDEWALK. THE GEOMETRIC AND ALIGNMENT OF THE FACILITY SHALL BE IDENTICAL TO THE ORIGINAL SIDEWALK. THE GEOMETRIC AND ALIGNMENT OF THE FACILITY SHALL BE IDENTICAL TO THE ORIGINAL SIDEWALK. THE GEOMETRIC AND ALIGNMENT OF THE FACILITY SHALL BE IDENTICAL TO THE ORIGINAL SIDEWALK.
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  9. FULL DEPTH AND NEATLY REMOVED FORM FOR PLACING NEW CURB. THE EXISTING PAVEMENT SHALL NOT BE DISTURBED AND THE PAVEMENT EDGE SHALL BE USED AS FORM FOR PLACING NEW CURB.
  10. THE CURRENT NEW YORK STATE SPECIFICATION, NYSDOT STANDARD SPECIFICATIONS, NYSDOT STANDARD SHEETS AND NYSDOT NYSDOT STANDARD SHEET 619130 SHALL BE IMPLEMENTED WHEN THE MINIMUM LANE WIDTH OF 10' CANNOT BE MAINTAINED DUE TO A SHOULDER CLOSURE.

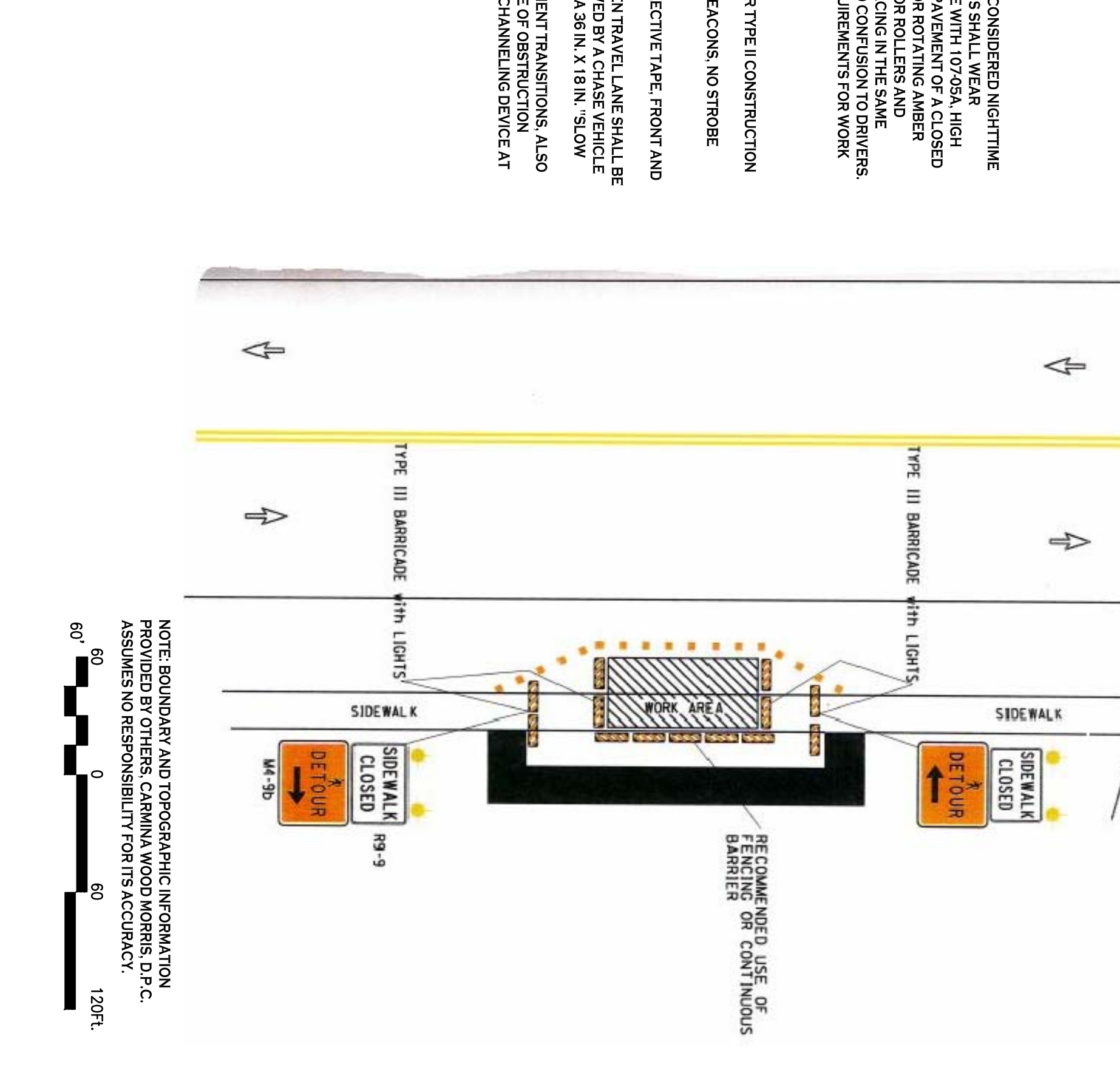
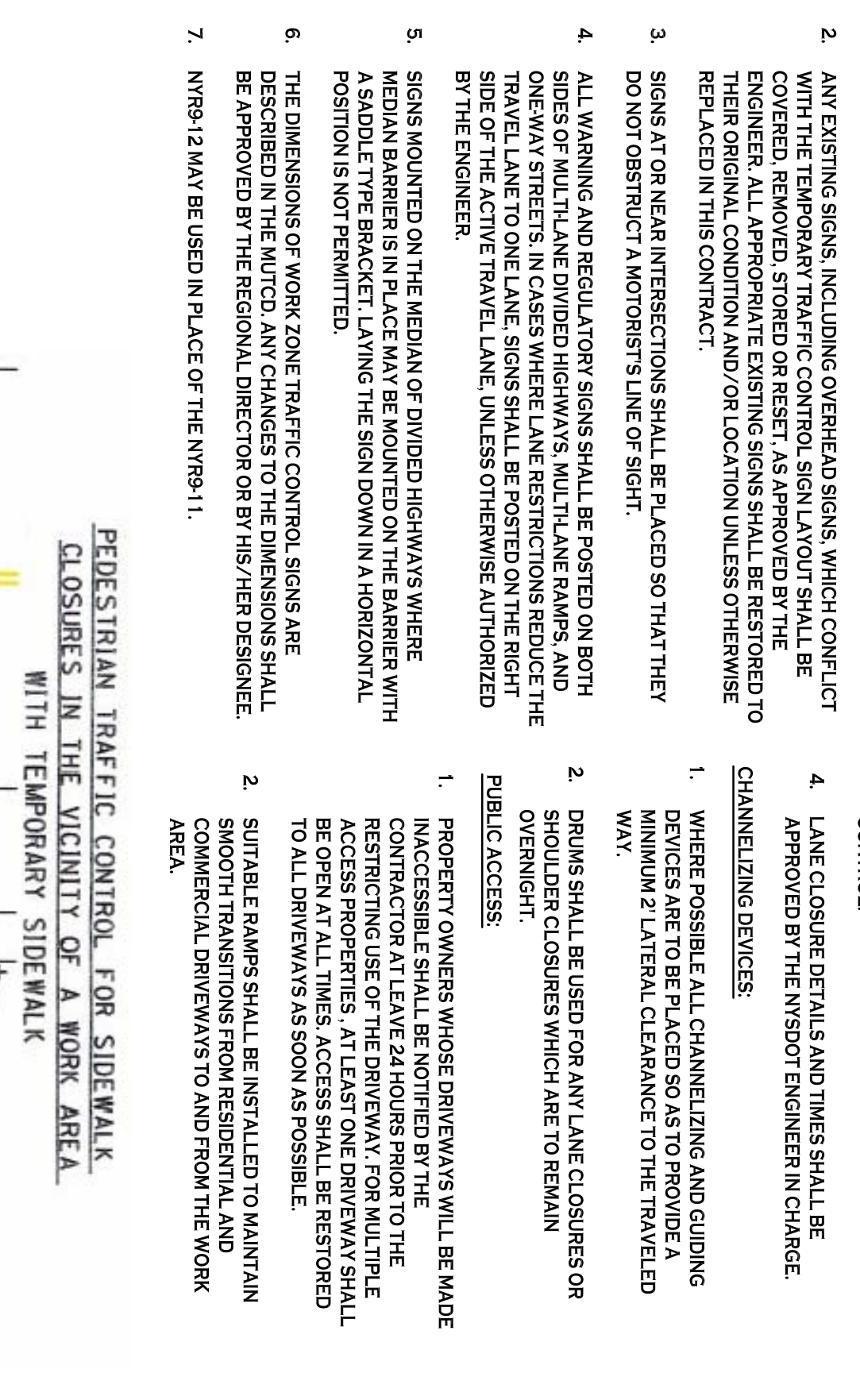
- SIDEWALK DETOUR OR DIVERSION NOTES:**
1. WHEN CROSSWALKS OR OTHER PEDESTRIAN FACILITIES ARE CLOSED OR RELOCATED, TEMPORARY FACILITIES SHALL BE DETECTABLE AND SHALL INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH THE FEATURES PRESENT IN THE EXISTING FACILITY.
  2. WHERE HIGH SPEEDS ARE ANTICIPATED, A TEMPORARY TRAFFIC BARRIER AND SIDEWALK DETOUR SHALL BE USED TO SEPARATE THE TEMPORARY SIDEWALKS FROM THE VEHICULAR TRAFFIC.
  3. ONLY THE WORK ZONE TRAFFIC CONTROL DEVICES RELATED TO PEDESTRIANS ARE SHOWN, OTHER DEVICES, SUCH AS LANE CLOSURE SIGNING OR ROAD NARROWS SIGNS (MS-4) MAY BE USED TO CONTROL VEHICULAR TRAFFIC.
  4. FOR NIGHTTIME CLOSURES, FLASHING WARNING LIGHTS SHALL BE USED ON BARRICADES SUPPORTING SIGNS AND CLOSING SIDEWALKS.
  5. SIGNS SUCH AS KEEP RIGHT (LEFT) SHALL BE PLACED ALONG A TEMPORARY SIDEWALK, WHERE APPLICABLE AND ACCORDING TO AMERICAN WITH DISABILITIES STANDARDS. THE GUIDE OR DIRECT PEDESTRIANS.
  6. TREE BARRICADES MAY BE SUBSTITUTED FOR TYPE III BARRICADES AS PER 619130 STANDARD SPECIFICATIONS.
  7. AREA SHALL BE RECONSTRUCTED TO BE ACCESSIBLE TO PEDESTRIANS.



**MPT PLAN**  
 SCALE: 1"=60'

**WORK ZONE TRAFFIC CONTROL GENERAL NOTES (WZTC-P10 - 10 DEC 2008)**

- GENERAL NOTES:**
1. THE TYPICAL DETAILS DETECTED ON THE STANDARD SHEETS AND IN THE MPT, REFLECT THE MINIMUM REQUIREMENTS.
  2. THE CONTRACTOR MUST SUBMIT TO THE ENGINEER, IN WRITING, PROPOSED REVISIONS TO THE TRAFFIC CONTROL PLAN FOR REVIEW AND APPROVAL BY THE REGIONAL DIRECTOR. THE REGIONAL DIRECTOR SHALL BE NOTIFIED BY THE CONTRACTOR OF ANY CHANGES TO 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 THE IMPLEMENTATION OF SUCH REVISIONS.
  3. THE CONTRACTOR SHALL PROVIDE THE ENGINEER, IN WRITING, WITH THE NAMES, ADDRESSES, AND TELEPHONE NUMBERS OF HIS 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 REGIONAL ENGINEER, AND THE LOCAL POLICE.
- ACTIVITY AREA:**
1. THE CONTRACTOR SHALL MAINTAIN A MINIMUM 50' LONGITUDINAL DISTANCE BETWEEN CONSTRUCTION OPERATIONS ON ALTERNATE SIDE 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 THE LONGITUDINAL DISTANCE BETWEEN CONSTRUCTION OPERATIONS IS MAINTAINED THROUGHOUT ALL WORK AREAS.
- SIGNS:**
1. THE LOCATIONS OF THE SIGNS SHOWN ON THE WORK ZONE TRAFFIC CONTROL PLANS AND THE DETAILS MAY BE ADJUSTED BASED ON SIGHT DISTANCE AND OTHER CONSIDERATIONS. THE FINAL LOCATIONS OF SIGNS ARE SUBJECT TO THE APPROVAL BY 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 WIDTH OF THE ROADWAY, THE CONTRACTOR SHALL MAINTAIN THE POSITION OF THE ACTIVE TRAVEL LANE, UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER.
  5. SIGNS MOUNTED ON THE MEDIAN OF DIVIDED HIGHWAYS WHERE MEDIAN BARRIERS IN PLACE MAY BE MOUNTED ON THE BARRIER WITH A SLOPE TO THE BARRIERS LAMING THE SIGN DOWN IN A HORIZONTAL POSITION IS NOT PERMITTED.
  6. 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 DESIGNEE.
  7. W199-12 MAY BE USED IN PLACE OF THE W199-11.
- 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 CLOSED PRIOR TO THE BEGINNING OF THE WORK ZONE TRAFFIC CONTROL. THE CONTRACTOR SHALL MAINTAIN THE MINIMUM LANE WIDTH FOR ALL OTHER TYPES OF ROADWAYS IS 10'.
  3. THE CONTRACTOR SHALL PROVIDE A WRITTEN NOTICE TO 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 LEGEND AND TABLES".
  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 DISTANCES).
  3. THE CONTRACTOR MAY BE REQUIRED TO PROVIDE A BARRIER VEHICLE AND SHADOW VEHICLE FOR EACH LANE CLOSED IN THE WORK ZONE TRAFFIC CONTROL.
  4. LANE CLOSURE DETAILS AND TIMES SHALL BE APPROVED BY THE NYSDOT ENGINEER IN CHARGE.
- 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.
  2. DRUMS SHALL BE USED FOR ANY LANE CLOSURES OR SHOULDER CLOSURES WHICH ARE TO REMAIN OVERNIGHT.
  3. PROPERTY OWNERS WHOSE DRIVEWAYS WILL BE MADE UNACCESSIBLE SHALL BE NOTIFIED BY THE CONTRACTOR PRIOR TO THE BEGINNING OF THE PROJECT. ACCESS ROBERTS, AT LEAST ONE DRIVEWAY SHALL BE OPEN AT ALL TIMES. ACCESS SHALL BE RESTORED TO ALL DRIVEWAYS AS SOON AS POSSIBLE.
  4. SUITABLE RAMPS SHALL BE INSTALLED TO MAINTAIN COMMERCIAL DRIVEWAYS TO AND FROM THE WORK AREA.



**PROJECT NAME:**  
 New Construction  
**Proposed Carwash**  
 1353, 1347, 1343 Union Road & 0 Fremont Ave  
 West Seneca, New York 14224

**REVISIONS:**

| No. | Description                        | Date    |
|-----|------------------------------------|---------|
| 1   | Rev. Per NYSDOT Comments (1/18/21) | 1/19/21 |

**DRAWING NAME:**  
 Maintenance & Protection of Traffic Plan

**DRAWING NO.:**  
**MPT-1**

Project no.: 20.085

487 Main Street, Suite 600  
 Buffalo, New York 14203  
 F: 716.842.0283

**Issued for Construction:** 9/11/20  
 Municipality Submission: C. Wood  
 Scale: As Noted

**PROJECT NAME:**  
 New Construction  
**Proposed Carwash**  
 1353, 1347, 1343 Union Road & 0 Fremont Ave  
 West Seneca, New York 14224