



SCALE: 1"=1000'


| | | |
|-----------------------|--------------------|-------------------------|
| RESTAURANT & CATERING | MONDAY - SUNDAY: | 11AM - 12 AM (MIDNIGHT) |
| DISTILLERY | MONDAY - SATURDAY: | 7AM - 6 PM |

[illegible]

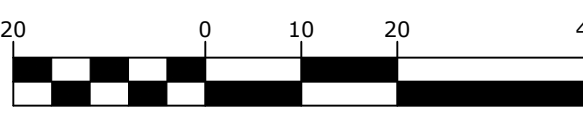
| DRAWING STATUS | | ISSUE DATE: | |
|--|-----|-----------------|-----|
| THIS SHEET IS PART OF THE PLAN SET ISSUED FOR | | SHEET NUMBER | |
| <input type="checkbox"/> CONCEPT APPROVAL | N/A | OF | N/A |
| <input checked="" type="checkbox"/> PLANNING BOARD APPROVAL | N/A | OF | 13 |
| <input type="checkbox"/> OGDH REALTY SUBDIVISION APPROVAL | N/A | OF | N/A |
| <input checked="" type="checkbox"/> OGDH WATERMAIN EXTENSION APPROVAL | N/A | OF | 5 |
| <input type="checkbox"/> NYSDEC APPROVAL | N/A | OF | N/A |
| <input type="checkbox"/> NYSDOT APPROVAL | N/A | OF | N/A |
| <input type="checkbox"/> OTHER | N/A | OF | N/A |
| <input type="checkbox"/> FOR BID | N/A | OF | N/A |
| <input type="checkbox"/> FOR CONSTRUCTION | N/A | OF | N/A |
| <p>THIS PLAN SET HAS BEEN ISSUED SPECIFICALLY FOR THE APPROVAL OR ACTION NOTED ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE.</p> <p>THIS SHEET SHALL BE CONSIDERED INVALID UNLESS ACCOMPANIED BY ALL SHEETS OF THE DENOTED PLAN SET(S).</p> | | | |

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SECTION 7209 SUBSECTION
2 OF THE NEW YORK STATE
EDUCATION LAW.



ROSS WINGLOVITZ, P.E.
NEW YORK LICENSE # 031701

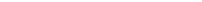
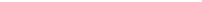
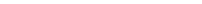
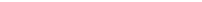


DONNELLY - SUGARLOAF
1355 KINGS HIGHWAY
TOWN OF CHESTER
ORANGE COUNTY, NEW YORK

| | | | | |
|-----------|--------------|-----------|--------|--------------|
| JOB #: | 1246.01 | DRAWN BY: | MP | C-101 |
| DATE: | 01/07/19 | SCALE: | 1"=20' | |
| REVISION: | 6 - 06/21/22 | TAX LOT: | 13-3-2 | |

C-101

| DRAWING # | TITLE | SHEET # |
|---------------------------------|-----------------------------------|---------|
| C-101 | SITE PLAN | 1 |
| C-102 | GRADING & DRAINAGE PLAN | 2 |
| C-103 | UTILITY PLAN | 3 |
| C-104 | WATER MAIN EXTENSION PLAN | 4 |
| C-105 | EROSION & SETTLEMENT CONTROL PLAN | 5 |
| C-106 | LIGHTING PLAN | 6 |
| C-201 | PROFILES | 7 |
| C-301 | DETAILS | 8 |
| C-302 | DETAILS | 9 |
| C-303 | DETAILS | 10 |
| C-304 | DETAILS | 11 |
| C-305 | DETAILS | 12 |
| C-306 | DETAILS | 13 |
| <u>LANDSCAPING PLANS</u> | | |
| PP-1 | PLANTING PLAN | 14 |
| PP-2 | PLANTING DETAILS | 15 |
| PP-3 | PLANTING SCHEDULES AND NOTES | 16 |

| | |
|--|--------------------------------|
|  | BUILDING LINE |
|  | CURB LINE |
|  | FENCE LINES |
|  | GUIDERAIL LINES |
|  | PARKING STALL STRIPE |
|  | PARKING SETBACK LINES |
|  | EXISTING BUILDING LINE |
|  | EXISTING MAJOR CONTOUR LINE |
|  | EXISTING MINOR CONTOUR LINE |
|  | EXISTING CURB LINE |
|  | EXISTING EDGE OF PAVEMENT LINE |
|  | EXISTING FENCE LINES |
|  | ADJACENT PROPERTY LINE |
|  | EXISTING PROPERTY LINE |

REPUTED OWNER:
KORSOWER
TAX MAP ID: 13-3-31
DEED BOOK: 5991, PAGE: 299
(FILED MAP 168-00, LOT 31)

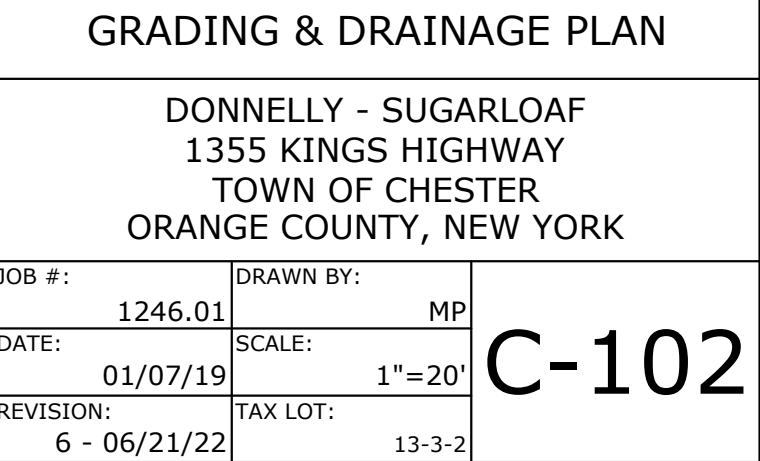
REPUTED OWNER:
VALENTINE
TAX MAP ID: 14-7-22.1
DEED BOOK: 5088, PAGE: 325
(FILED MAP 81-99, LOT 20)

3. TAX MAP IDENTIFICATION NUMBER: SECTION 13, BLOCK 3, LOT 2
4. TOTAL AREA OF SUBJECT PARCEL: 2.311± ACRES.
5. BOUNDARY AND PLANIMETRIC INFORMATION BASED UPON FIELD SURVEY AS PERFORMED BY ENGINEERING & SURVEYING PROPERTIES ON 03/14/18.
6. THE TOPOGRAPHY SHOWN HEREON WAS COMPILED BY ENGINEERING & SURVEYING PROPERTIES PC, FROM USGS 1M HYDRO-FLATTENED DIGITAL ELEVATION MODELS (DEMS) AS DERIVED FROM 2012 SOURCE LIDAR. THE DEMS WERE PROVIDED BY NYS.GIS.GOV AND CORRESPOND TO ACTUAL SURVEY OBSERVATIONS TAKEN IN THE FIELD. CONTOURS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988.
7. OWNER/ APPLICANT: BROCCOLI PATCH, INC
555 MT AIRY RD
NEW WINDSOR, NY, 12553
8. ALL PROPOSED BUILDINGS SHALL BE SERVICED BY PUBLIC WATER & SEWER.
9. OUTDOOR EVENTS WILL BE LIMITED TO 9 PM.
10. IN ACCORDANCE WITH SECTION 40A-5A, NO COMMERCIAL STRUCTURE SHALL BE ERECTED WITHIN REQUIRED CEMETERY BUFFER.
11. EAVE HEIGHT TO BE LESS THAN 30 FT IN HEIGHT FROM FINISH GRADE.
12. EXISTING WELL ON-SITE IS TO BE ABANDONED IN ACCORDANCE WITH NYSDEC & NYSDOH REQUIREMENTS.
13. FINAL RESTORATION OF THE COUNTY ROAD SHALL BE AS DIRECTED BY THE ORANGE COUNTY DEPARTMENT OF PUBLIC WORKS - DIVISION OF ENGINEERING.
14. DIG SAFELY NEW YORK MUST BE CONTACTED PRIOR TO ANY EXCAVATION OR DEMOLITION (DIAL 811 OR WWW.DIGSAFELYNEWYORK.COM).
15. DUE TO THE PROXIMITY OF THE PROJECT SITE TO A KNOWN INDIANA BAT HIBERNACULUM, ANY TREE CUTTING OR REMOVAL SHALL OCCUR WITHIN THE APPROPRIATE TIME OF YEAR WORK WINDOW, OCTOBER 1ST THROUGH MARCH 31ST, TO AVOID DIRECT IMPACTS TO INDIVIDUALS AND THE NEED FOR AN ARTICLE 11 TAKE PERMIT.
16. THIS PROJECT HAS INDICATED THE INTENTION TO PROVIDE ADEQUATE FIRE FLOW BY THE PROPOSED INSTALLATION OF SPRINKLER SYSTEMS MEETING NFPA REQUIREMENTS, AND IS THEREFORE, CONSIDERED EXEMPT FROM THE NEEDED FIRE FLOW GUIDELINES OF THE INSURANCE SERVICES OFFICE(SO). THE PROPOSED SPRINKLER SYSTEM DESIGN HAS NOT BEEN EVALUATED BY THE ORANGE COUNTY DEPARTMENT OF HEALTH FOR COMPLIANCE WITH NFPA REQUIREMENTS.

TOWN OF CHESTER - ZONING DISTRICT LB/SL

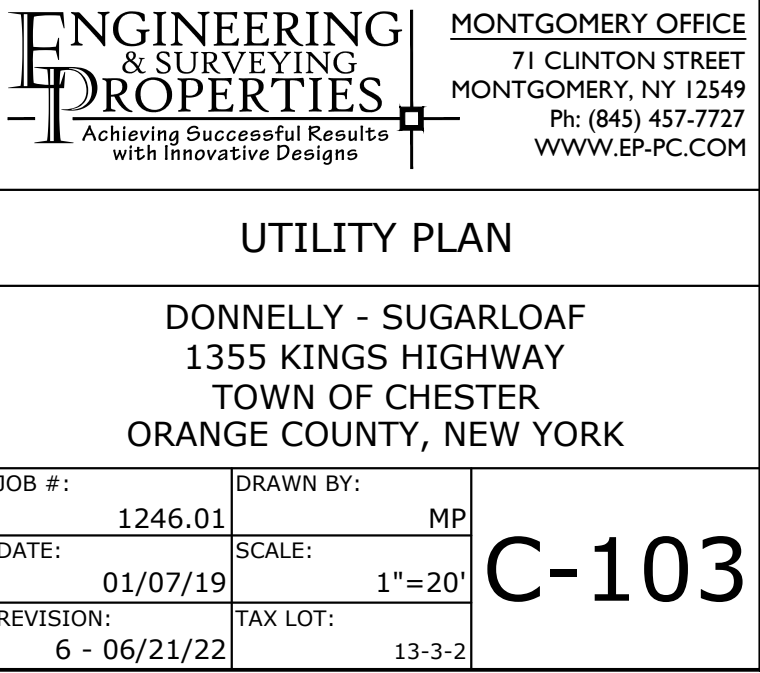
| MINIMUM BUILDING REQUIREMENTS | REQUIRED | PROPOSED |
|-------------------------------|-----------|----------------|
| LOT AREA | 10,890 SF | 95,793 SF |
| LOT WIDTH | 50 FEET | 306.4 FEET |
| FRONT YARD | 20 FEET | 78.5 FEET |
| REAR YARD | 30 FEET | 31.2 FEET |
| SIDE YARD (ONE/BOTH) | 5/10 FEET | 5.5/31.86 FEET |
| MAXIMUM ALLOWABLE | | |
| MAXIMUM BUILDING HEIGHT | 35 FT | < 35 FT |
| MAXIMUM BUILDING COVERAGE | 50% | 15.8% |

| | |
|--|---|
| CATERING AREA: | 7,800 S.F. |
| CATERING SPACES REQUIRED: | 1 SPACE PER 3 SEATS = 200 SEATS / 3 = 67 SPACES |
| RESIDENCE SPACES REQUIRED: | 2 SPACES PER DWELLING UNIT = 2 SPACES |
| RESTAURANT/DISTILLERY SPACES REQUIRED: | 1 SPACE PER 3 SEATS 80 SEATS / 3 SEATS PER SPACE = 27 SPACES |
| TOTAL SPACES REQUIRED: | 96 SPACES |
| TOTAL SPACES PROVIDED: | 96 SPACES |

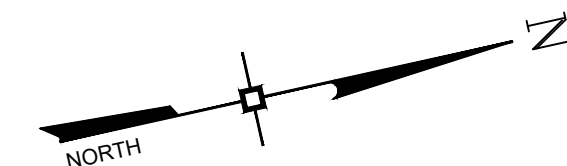


NO SITE PREPARATION OR CONSTRUCTION, INCLUDING UTILITY CONNECTIONS, SHALL COMMENCE UNTIL A VALID HIGHWAY WORK PERMIT HAS BEEN SECURED FROM THE ORANGE COUNTY DEPARTMENT OF PUBLIC WORKS UNDER SECTION 136 OF THE HIGHWAY LAW.

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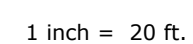
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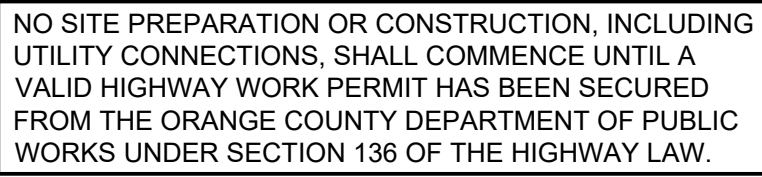
4



ROSS WINGLOVITZ, P.E.
NEW YORK, NY 10017-0717



| | | |
|---|-----------------------------------|--------------|
| <h1 style="text-align: center;">WATER MAIN EXTENSION PLAN</h1> | | |
| <p style="text-align: center;"> DONNELLY - SUGARLOAF 1355 KINGS HIGHWAY TOWN OF CHESTER ORANGE COUNTY, NEW YORK </p> | | |
| JOB #: 1246.01 | DRAWN BY: MP | C-104 |
| DATE: 01/07/19 | SCALE: 1"=20' | |
| REVISION: 6 - 06/21/22 | TAX LOT: 13-3-2 | |



| DRAWING STATUS | | ISSUE DATE: | |
|---|-----|-----------------|-----|
| THIS SHEET IS PART OF THE PLAN SET ISSUED FOR | | SHEET NUMBER | |
| <input type="checkbox"/> CONCEPT APPROVAL | N/A | OF | N/A |
| <input checked="" type="checkbox"/> PLANNING BOARD APPROVAL | 5 | OF | 13 |
| <input type="checkbox"/> OCOOH REALTY SUBDIVISION APPROVAL | N/A | OF | N/A |
| <input type="checkbox"/> OCOOH WATERMAIN EXTENSION APPROVAL | N/A | OF | 5 |
| <input type="checkbox"/> NYSDEC APPROVAL | N/A | OF | N/A |
| <input type="checkbox"/> NYSDOT APPROVAL | N/A | OF | N/A |
| <input type="checkbox"/> OTHER | N/A | OF | N/A |
| <input type="checkbox"/> FOR BID | N/A | OF | N/A |
| <input type="checkbox"/> FOR CONSTRUCTION | N/A | OF | N/A |

THIS PLAN SET HAS BEEN ISSUED SPECIFICALLY FOR THE APPROVAL OR ACTION NOTED ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE.

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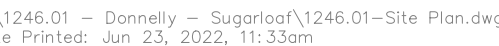
ROSS WINGLOVITZ, P.E.
NEW YORK LICENSE # 071701



DONNELLY - SUGARLOAF
1355 KINGS HIGHWAY
TOWN OF CHESTER
ORANGE COUNTY, NEW YORK

| | | | | |
|-----------|--------------|-----------|--------|--------------|
| JOB #: | 1246.01 | DRAWN BY: | MP | C-105 |
| DATE: | 01/07/19 | SCALE: | 1"=20' | |
| REVISION: | 6 - 06/21/22 | TAX LOT: | 13-3-2 | |



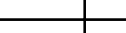

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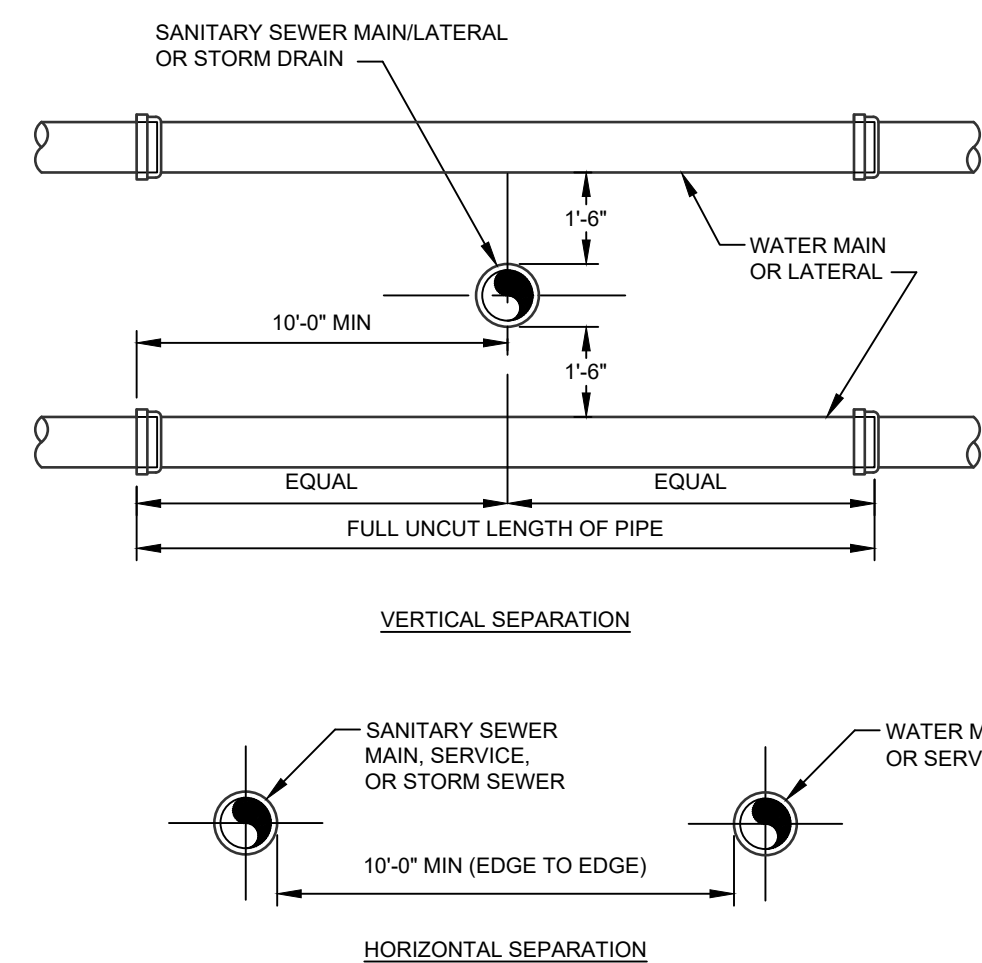
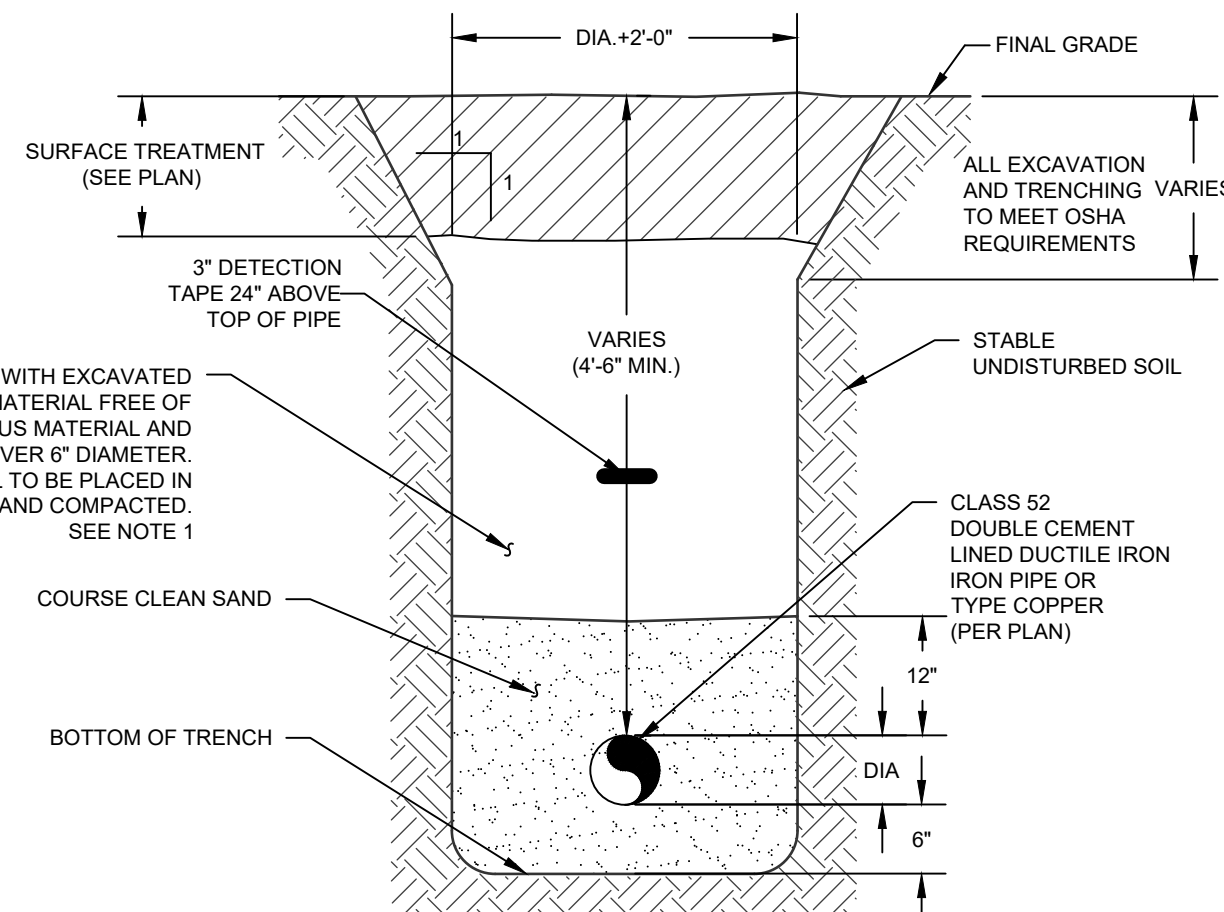
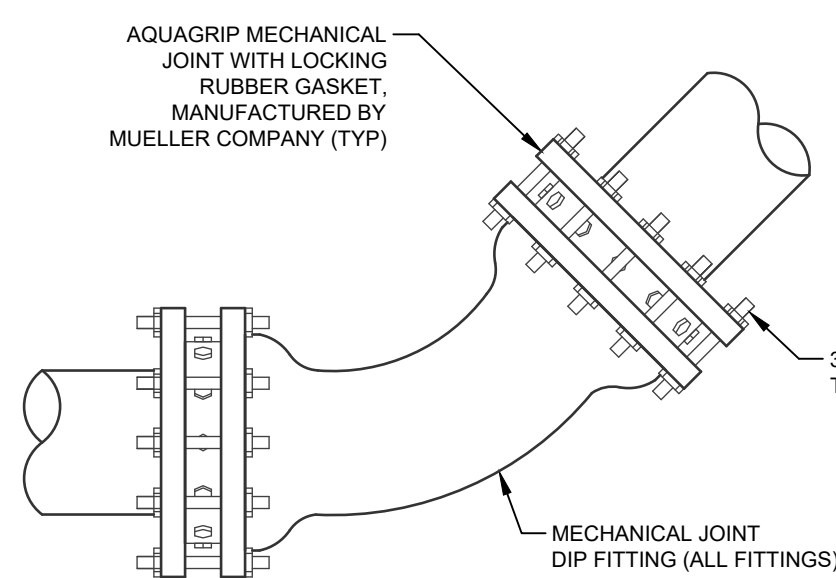
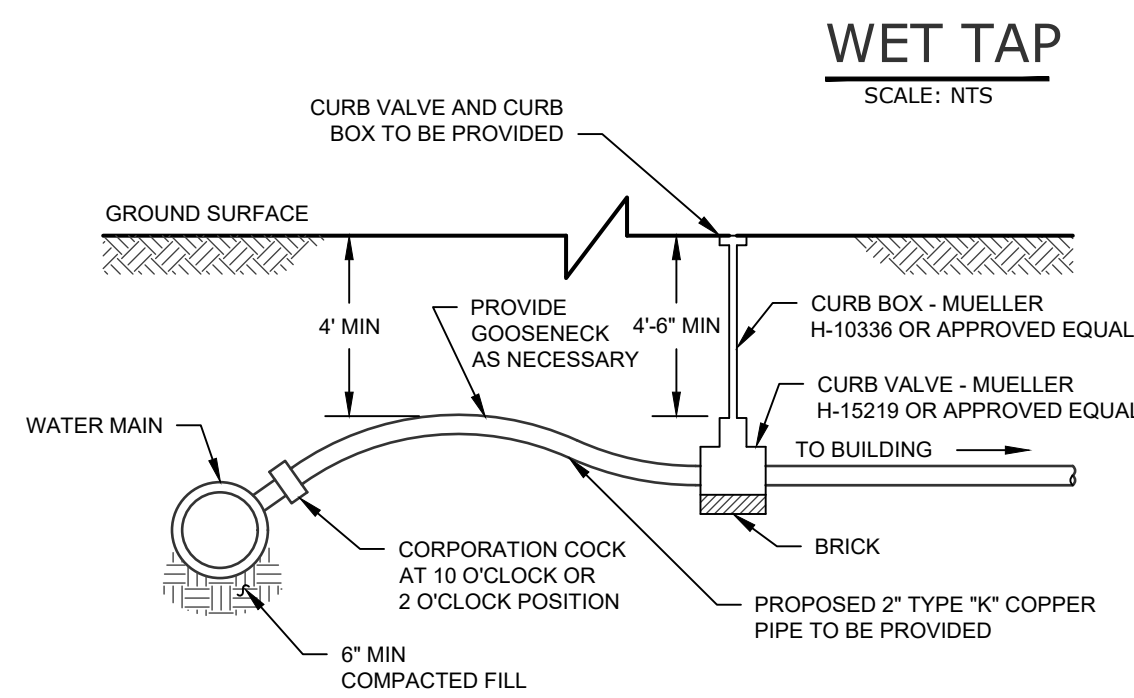
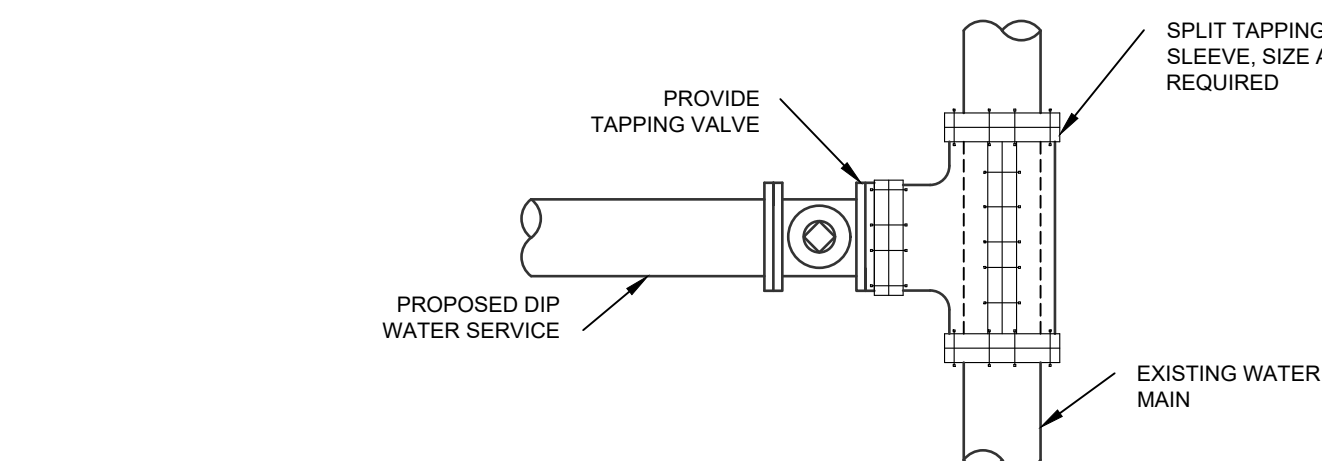
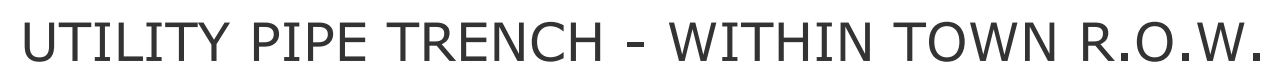
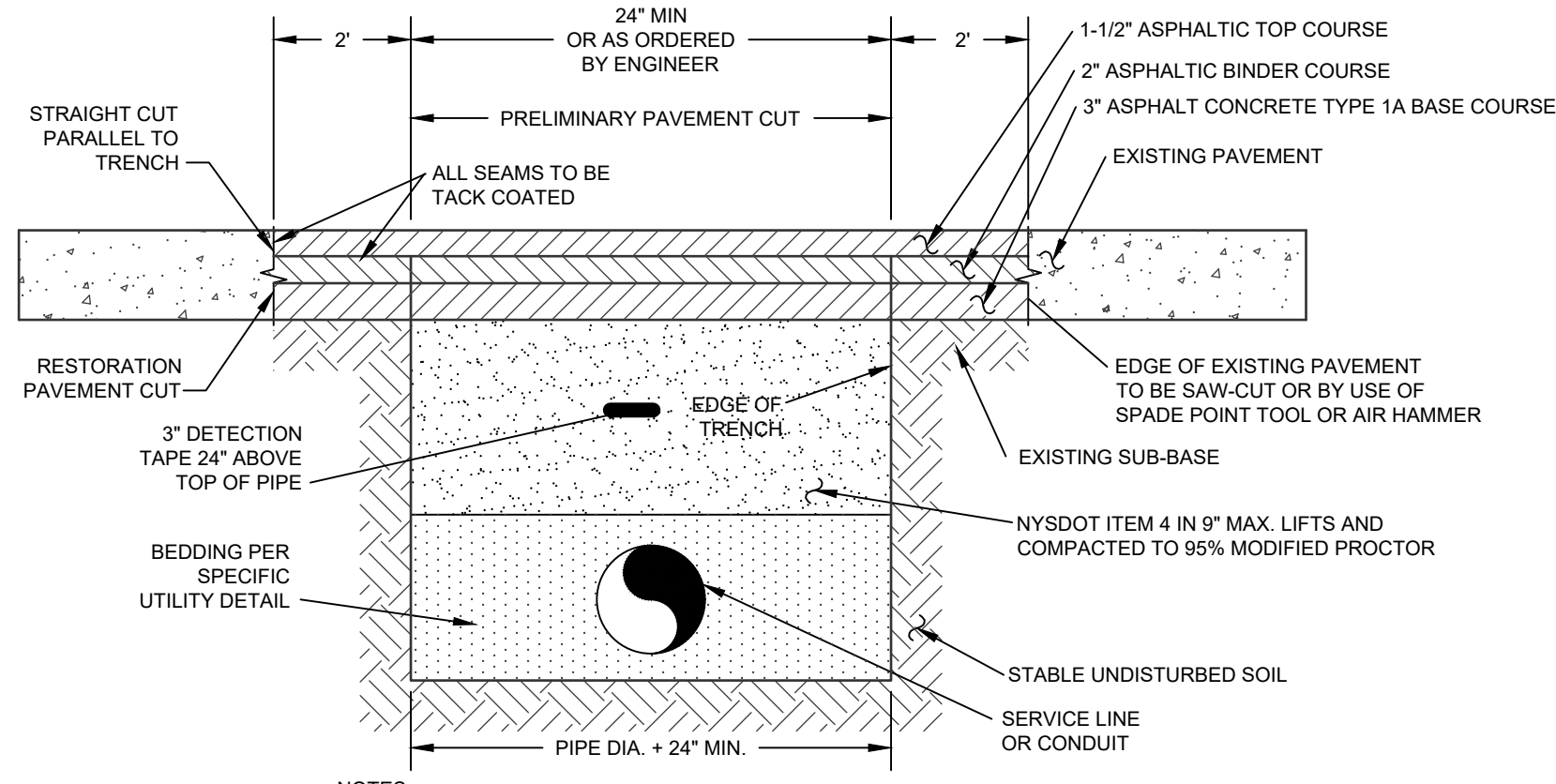
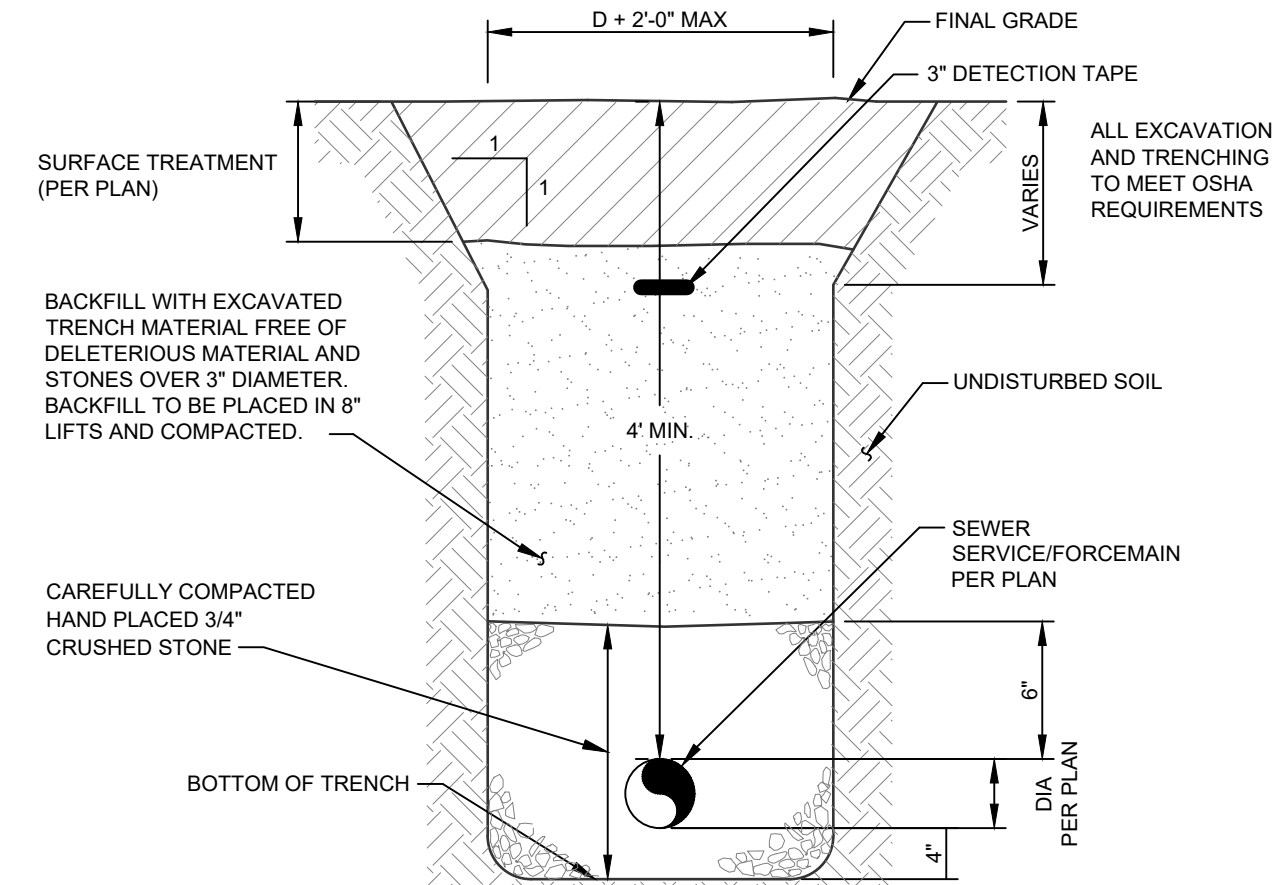
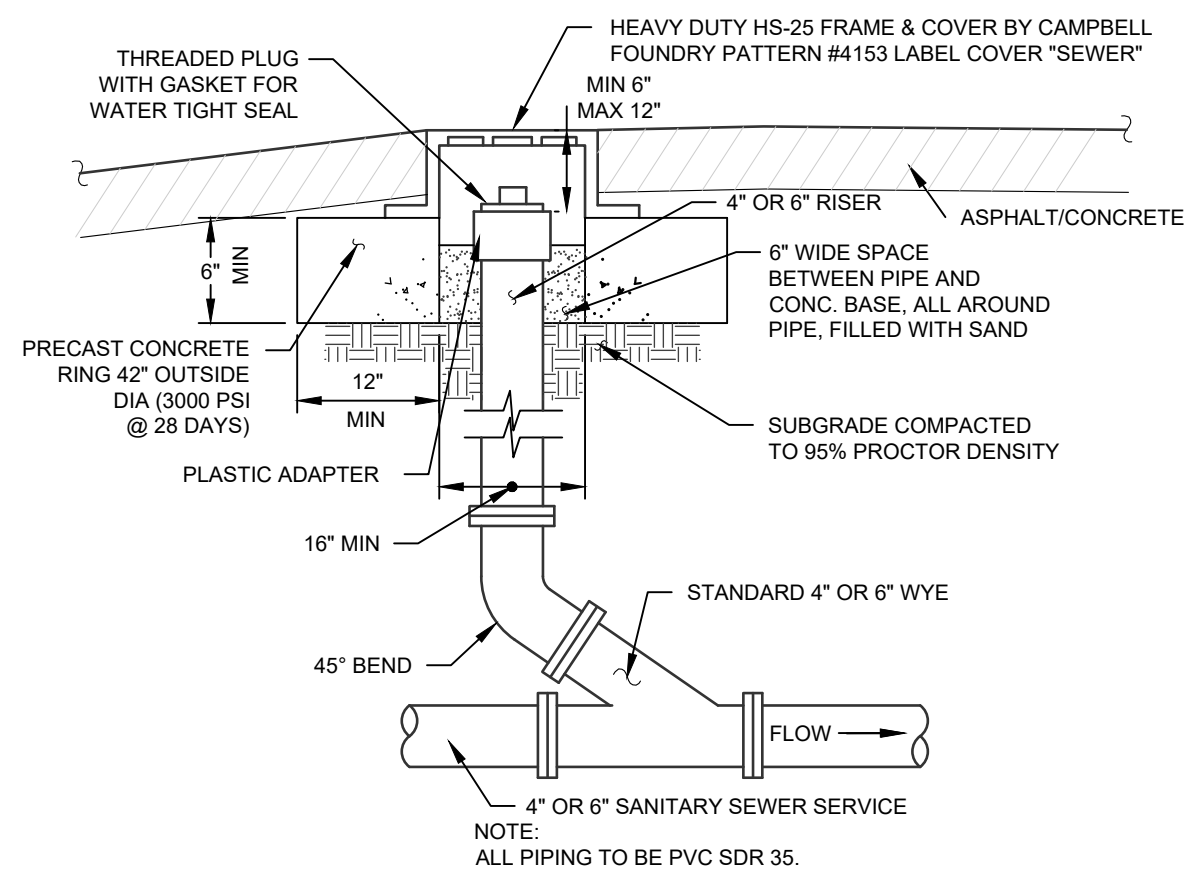
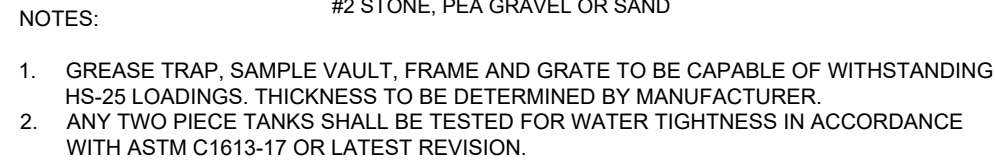
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| | | | |
|--|--------------|-----------|----------|
| LIGHTING PLAN | | | |
| DONNELLY - SUGARLOAF 1355 KINGS HIGHWAY TOWN OF CHESTER ORANGE COUNTY, NEW YORK | | | |
| JOB #: | 1246.01 | DRAWN BY: | MP |
| DATE: | 01/07/19 | SCALE: | 1" = 20' |
| REVISION: | 6 - 06/21/22 | TAX LOT: | 13-3-2 |
| C-106 | | | |


| Schedule | | | | | | | | | | | |
|---|-------|----------|--------------------------------|----------------------|---|------|--------------|--------------------|-----------------|-------------------|---------|
| Symbol | Label | Quantity | Manufacturer | Catalog Number | Description | Lamp | Number Lamps | Mount Height | Lumens Per Lamp | Light Loss Factor | Wattage |
|  | A | 4 | American Revolution Deluxe LED | ARDL | P452, MVOLT (120-277V) 2700K, 11,928 Lumens R5, PY | LED | 1 | 15 Feet | 11,928 | 0.80 | 369 |
|  | B | 2 | American Revolution Deluxe LED | ARDL | P452, MVOLT (120-277V) 2700K, 11,928 Lumens R5, PY, HSB | LED | 1 | 10 Feet | 11,928 | 0.80 | 369 |
|  | C | 1 | Acuity Brand | Autobahn ATBX Series | P50, MVOLT, R3 3000K, BK, ATBXHSS | LED | 1 | 15 feet , 3 ft arm | 5,600 | 0.80 | 41 |
|  | D | 14 | Lumiere | EON 303-W1-LEDB1 | Standard, LEDB1 2700K, UNV, T2 DIM10 (0-10 V Dimming) | LED | 1 | 6 Feet/ 15 feet | 520 | 0.80 | 8.5 |

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| DRAWING STATUS | | ISSUE DATE: | |
|---|-----|-----------------|-----|
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| | | SHEET NUMBER | |
| <input type="checkbox"/> CONCEPT APPROVAL | N/A | OF | N/A |
| <input checked="" type="checkbox"/> PLANNING BOARD APPROVAL | 8 | OF | 13 |
| <input type="checkbox"/> OCCOCH REALTY SUBDIVISION APPROVAL | N/A | OF | N/A |
| <input checked="" type="checkbox"/> OCCOCH WATERMAIN EXTENSION APPROVAL | 5 | OF | 5 |
| <input type="checkbox"/> NYSDEC APPROVAL | N/A | OF | N/A |
| <input type="checkbox"/> NYSDOT APPROVAL | N/A | OF | N/A |
| <input type="checkbox"/> OTHER | N/A | OF | N/A |
| <input type="checkbox"/> FOR BID | N/A | OF | N/A |
| <input type="checkbox"/> FOR CONSTRUCTION | N/A | OF | N/A |
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|---|--|



ORIGINAL SCALE IN INCHES

| | | | |
|--|--|---|-----------------------------|
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| <h2 style="margin: 0;">DETAILS</h2> | | | |
| <p>DONNELLY - SUGARLOAF</p> <p>1355 KINGS HIGHWAY</p> <p>TOWN OF CHESTER</p> <p>ORANGE COUNTY, NEW YORK</p> | | | |
| JOB # : DATE: REVISION: | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"> DRAWN BY: SCALE: TAX LOT: </td> <td style="width: 50%;"> MP NTS 13-3-2 </td> </tr> </table> | DRAWN BY: SCALE: TAX LOT: | MP NTS 13-3-2 |
| DRAWN BY: SCALE: TAX LOT: | MP NTS 13-3-2 | | |
| 1246.01 01/07/19 6 - 06/21/22 | <div style="font-size: 48pt; font-weight: bold; margin: 0;">C-301</div> | | |



1. CHAMBERS SHALL BE STORM-SPEC SC-740.
2. CHAMBERS SHALL BE ARCH-STRECH AND SHALL BE MANUFACTURED FROM VIRGIN, IMPACT-MODIFIED POLYPROPYLENE COPOLYMERS.
3. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418-16, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
4. CHAMBER ROWS SHALL PROVIDE CONTINUOUS, UNOBSTRUCTED INTERNAL SPACE WITH NO INTERNAL SUPPORTS THAT WOULD IMPIDE FLOW OR LIMIT ACCESS FOR INSPECTION.
5. THE STRUCTURAL DESIGN OF THE CHAMBERS, THE STRUCTURAL BACKFILL, AND THE INSTALLATION REQUIREMENTS SHALL ENSURE THAT THE LOAD FACTORS SPECIFIED IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, SECTION 12.12, ARE MET FOR:
 - 1) UNIFORM DEAD LOADS AND 2) SHORT-DURATION LIVE LOADS, BASED ON THE AASHTO DESIGN TRUCK WITH CONSIDERATION FOR IMPACT AND MULTIPLE VEHICLE PRESENCES.
6. CHAMBERS SHALL BE DESIGNED, TESTED AND ALLOWABLE LOAD CONFIGURATIONS DETERMINED IN ACCORDANCE WITH ASTM F2787, "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF CORRUGATED WALL STORMWATER COLLECTION CHAMBERS". LOAD CONFIGURATIONS SHALL INCLUDE:
 - 1) INSTANTANEOUS (1 MIN) AASHTO DESIGN TRUCK LIVE LOAD ON MINIMUM COVER (2 MAXIMUM PERMANENT) COVER LOADS AND 3) ALLOWABLE COVER WITH PARKED (1-WEEK) AASHTO DESIGN TRUCK.

| | | |
|---------------------------------|-----------------------|------------------------------|
| SIZE (W X H X INSTALLED LENGTH) | 51.0" X 30.0" X 85.4" | (1295 mm X 762 mm X 2169 mm) |
| CHAMBER STORAGE | 45.9 CUBIC FEET | (1.30 m³) |
| MINIMUM INSTALLED STORAGE* | 74.9 CUBIC FEET | (2.12 m³) |
| WEIGHT | 75.0 lbs. | (33.6 kg) |

| PART # | STUB | A | B | C |
|----------------------------|--------------|----------------|----------------|--------------|
| SC740EPE00T1/SC740EPE00TPC | | 18.5" (470 mm) | --- | --- |
| SC740EPE00B8/SC740EPE00BPC | 6" (150 mm) | 10.9" (277 mm) | --- | 0.5" (13 mm) |
| SC740EPE00T8/SC740EPE00TPC | 8" (200 mm) | 12.2" (310 mm) | 16.5" (419 mm) | --- |
| SC740EPE00B8/SC740EPE00BPC | | | | 0.6" (15 mm) |
| SC740EPE10T1/SC740EPE10TPC | 10" (250 mm) | 13.4" (340 mm) | 14.5" (368 mm) | --- |
| SC740EPE10B8/SC740EPE10BPC | | | | 0.7" (18 mm) |
| SC740EPE12T1/SC740EPE12TPC | 12" (300 mm) | 14.7" (373 mm) | 12.5" (318 mm) | --- |
| SC740EPE12B8/SC740EPE12BPC | | | | 1.2" (30 mm) |
| SC740EPE15T1/SC740EPE15TPC | 15" (375 mm) | 18.4" (467 mm) | 9.0" (228 mm) | --- |
| SC740EPE15B8/SC740EPE15BPC | | | | 1.3" (33 mm) |
| SC740EPE18T1/SC740EPE18TPC | 18" (450 mm) | 19.7" (500 mm) | 5.0" (127 mm) | --- |
| SC740EPE18B8/SC740EPE18BPC | | | | 1.6" (41 mm) |
| SC740EPE24B8/SC740EPE24BPC | 24" (600 mm) | 18.5" (470 mm) | --- | 0.1" (3 mm) |

* FOR THE SC740EPE24B THE 24" (600 mm) STUB LIES BELOW THE BOTTOM OF THE END CAP APPROXIMATELY 1.75" (44 mm). BACKFILL MATERIAL SHOULD BE REMOVED FROM BELOW THE N-12 STUB SO THAT THE FITTING SITS LEVEL.

COVER ENTIRE ISOLATOR ROW WITH ADS

STEP 1. INSPECT ISOLATOR ROW FOR SEDIMENT

- A. INSPECTION PORTS (IF PRESENT)
 - A.1. REMOVE/OPEN LID ON ANY/ALL STAIN INLINE DRAIN
 - A.2. REMOVE AND CLEAN FLEXSTORM FILTER IF INSTALLED
 - A.3. USING A FLASHLIGHT AND STADIUM ROD, MEASURE DEPTH OF SEDIMENT AND RECORD ON MAINTENANCE LOG
 - A.4. LOWER A CAMERA INTO ISOLATOR ROW FOR VISUAL INSPECTION OF SEDIMENT LEVELS (OPTIONAL)
 - A.5. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
- B. ALL ISOLATOR ROWS
 - B.1. REMOVE COVER FROM STRUCTURE AT UPSTREAM END OF ISOLATOR ROW
 - B.2. USING A FLASHLIGHT, INSPECT THROUGH THE ISOLATOR ROW THROUGH OUTLET PIPE
 - 1) MIRRORS ON POLES OR CAMERAS MAY BE USED TO AVOID A CONFINED SPACE ENTRY
 - 1) FOLLOW OSHA REGULATIONS FOR CONFINED SPACE ENTRY IF ENTERING MANHOLE
 - B.3. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.

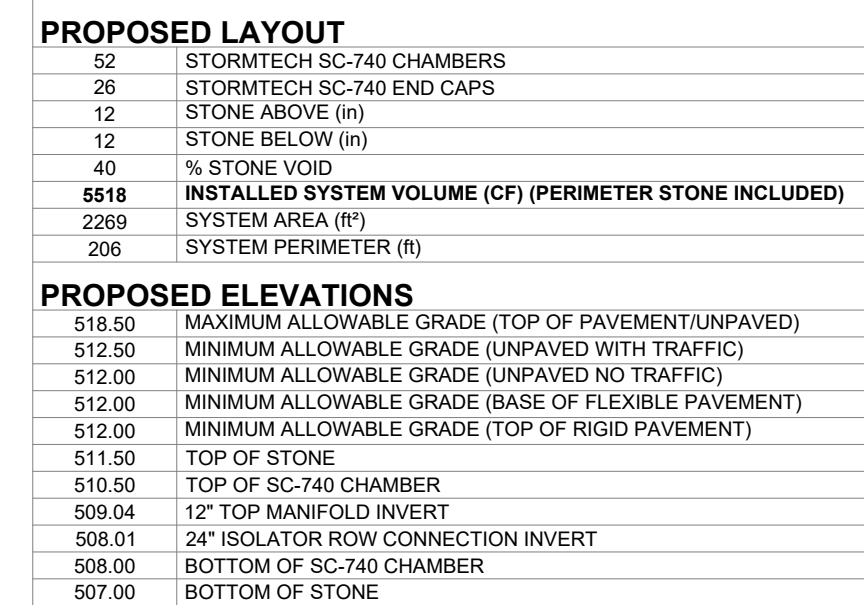
STEP 2. CLEAN OUT ISOLATOR ROW USING THE JETVAC PROCESS

- A. A FIXED CULVERT CLEANING NOZZLE WITH REAR FACING SPREAD OF 45° (1.1 m) OR MORE IS PREFERRED
- B. AERATE MULTIPLE PASSES OF JETVAC UNTIL BACKFLUSH WATER IS CLEAN
- C. VACUUM STRUCTURE SUMP AS REQUIRED

STEP 3. REPLACE ALL COVERS, GRATES, FILTERS, AND LIDS; RECORD OBSERVATIONS AND ACTIONS.

STEP 4. INSPECT AND CLEAN BASINS AND MANHOLES UPSTREAM OF THE STORMTECH SYSTEM.

1. INSPECT EVERY 6 MONTHS DURING THE FIRST YEAR OF OPERATION. ADJUST THE INSPECTION INTERVAL BASED ON PREVIOUS OBSERVATIONS OF SEDIMENT ACCUMULATION AND HIGH WATER ELEVATIONS.
2. CONDUCT JETTING AND VACTORING ANNUALLY OR WHEN INSPECTION SHOWS THAT MAINTENANCE IS NECESSARY.



1. STORMTECH SC-740 CHAMBERS SHALL NOT BE INSTALLED UNTIL THE MANUFACTURER'S REPRESENTATIVE HAS COMPLETED A PRE-CONSTRUCTION MEETING WITH THE INSTALLERS.
2. STORMTECH SC-740 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE 'STORMTECH SC-310/SC-740/DC-780 CONSTRUCTION GUIDE'.
3. CHAMBERS ARE NOT TO BE BACKFILLED WITH A DOZER OR AN EXCAVATOR SITUATED OVER THE CHAMBERS. STORMTECH RECOMMENDS 3 BACKFILL METHODS:
 - STONESHOOTER LOCATED OFF THE CHAMBER BED.
 - BACKFILL AS ROWS ARE BUILT USING AN EXCAVATOR ON THE FOUNDATION STONE OR SUBGRADE.
 - BACKFILL FROM OUTSIDE THE EXCAVATION USING A LONG BOOM HOE OR EXCAVATOR.
4. THE FOUNDATION STONE SHALL BE LEVELLED AND COMPACTED PRIOR TO PLACING CHAMBERS.
5. JOINTS BETWEEN CHAMBERS SHALL BE PROPERLY SEATED PRIOR TO PLACING STONE.
6. MAINTAIN MINIMUM - 6" (150 mm) SPACING BETWEEN THE CHAMBER ROWS.
7. EMBEDMENT STONE SURROUNDING CHAMBERS MUST BE A CLEAN, CRUSHED, ANGULAR STONE 3/4"-2" (20-50 mm).
8. THE CONTRACTOR MUST REPORT ANY DISCREPANCIES WITH CHAMBER FOUNDATION MATERIALS BEARING CAPACITIES TO THE SITE DESIGN ENGINEER.
9. ADS RECOMMENDS THE USE OF "FLEXSTORM CATCH IT" INSERTS DURING CONSTRUCTION FOR ALL INLETS TO PROTECT THE SUBSURFACE STORMWATER MANAGEMENT SYSTEM FROM CONSTRUCTION SITE RUNOFF.

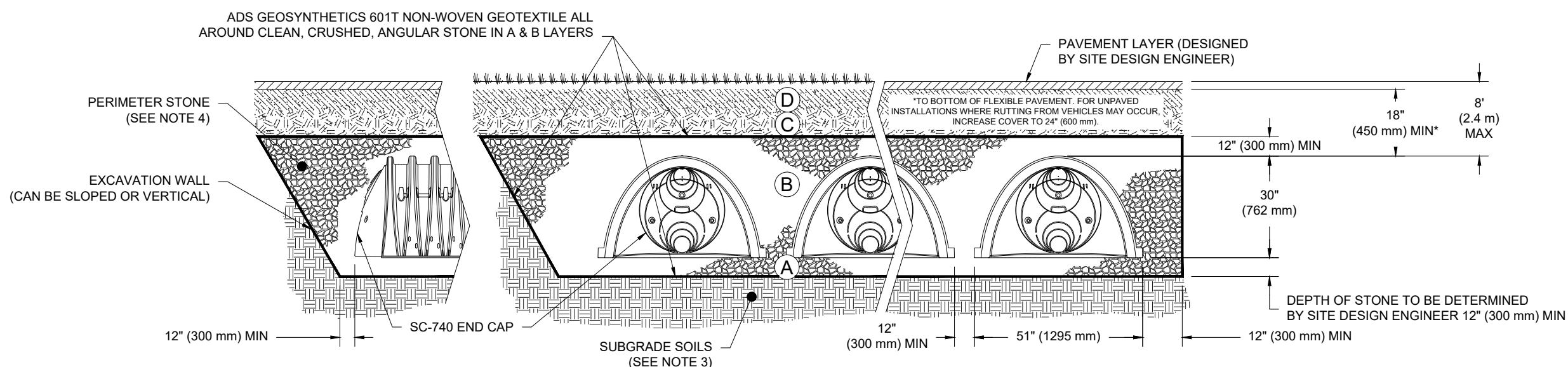
1. STORMTREC SC-740 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTREC SC-310/SC-740DC-780 CONSTRUCTION GUIDE".
2. THE USE OF CONSTRUCTION EQUIPMENT OVER SC-740 CHAMBERS IS LIMITED:
 - NO EQUIPMENT IS ALLOWED ON BARE CHAMBERS.
 - NO RUBBER TIERED LOADERS, DUMP TRUCKS, OR EXCAVATORS ARE ALLOWED UNLESS PROPER FILL DEPTHS ARE REACHED IN ACCORDANCE WITH THE "STORMTREC SC-310/SC-740DC-780 CONSTRUCTION GUIDE".
 - WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT CAN BE FOUND IN THE "STORMTREC SC-310/SC-740DC-780 CONSTRUCTION GUIDE".
3. FULL 36" (900 mm) OF STABILIZED COVER MATERIALS OVER THE CHAMBERS IS REQUIRED FOR DUMP TRUCK TRAVEL OR DUMPING.

USE OF A DOZER TO PUSH EMBEDMENT STONE BETWEEN THE ROWS OF CHAMBERS MAY CAUSE DAMAGE TO THE CHAMBERS AND IS NOT AN ACCEPTABLE BACKFILL METHOD. ANY CHAMBERS DAMAGED BY THE "DUMP AND PUSH" METHOD ARE NOT COVERED UNDER THE STORMTREC STANDARD WARRANTY.

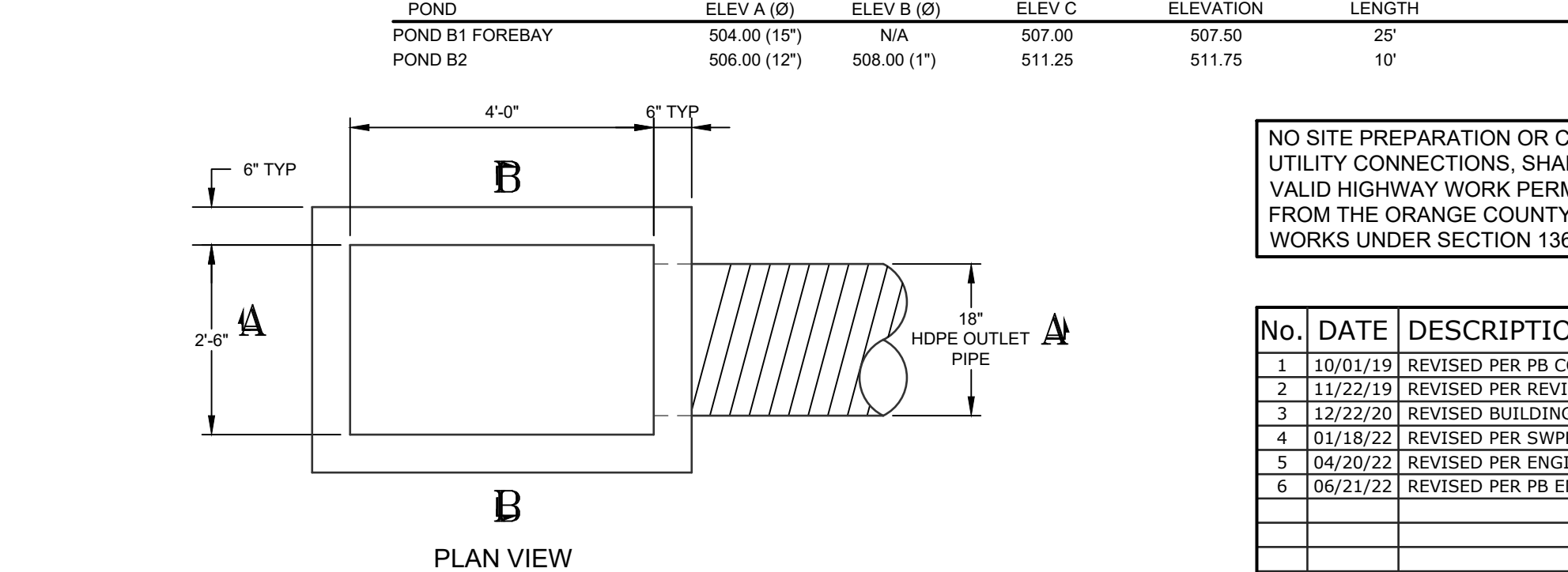
CONTACT STORMTREC AT 1-888-852-2694 WITH ANY QUESTIONS ON INSTALLATION REQUIREMENTS OR WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT.

| MATERIAL LOCATION | | DESCRIPTION | AASHTO MATERIAL CLASSIFICATIONS | COMPACTION / DENSITY REQUIREMENT |
|-------------------|--|--|---|--|
| D | FINAL FILL: FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER. | ANY SOIL/ROCK MATERIALS, NATIVE SOILS, OR PER ENGINEER'S PLANS. CHECK PLANS FOR PAVEMENT SUBGRADE REQUIREMENTS. | N/A | PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRONG MATERIAL AND PREPARATION REQUIREMENTS. |
| C | INITIAL FILL: FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE (B' LAYER) TO 18" (450 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER. | GRANULAR WELL-GRADED SOIL/AGGREGATE MIXTURES, <35% FINES OR PROCESSED AGGREGATE. MOST PAVEMENT SUBBASE MATERIALS CAN BE USED IN LIEU OF THIS LAYER. | AASHTO M145' A-1, A-2-4, A-3 OR AASHTO M43' 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10 | BEGIN COMPACTIONS AFTER 12" (300 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 6" (150 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS. ROLLER GROSS VEHICLE WEIGHT NOT TO EXCEED 12,000 lbs (53 kN). DYNAMIC FORCE NOT TO EXCEED 20,000 lbs (89 kN). |
| B | EMBEDMENT STONE: FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE (A' LAYER) TO THE 'C' LAYER ABOVE. | CLEAN, CRUSHED, ANGULAR STONE | AASHTO M43' 3, 357, 4, 467, 5, 56, 57 | NO COMPACTION REQUIRED. |
| A | FOUNDATION STONE: FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER. | CLEAN, CRUSHED, ANGULAR STONE | AASHTO M43' 3, 357, 4, 467, 5, 56, 57 | PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE. ^{3,3} |

1. THE LISTED ASHITO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (ASHITO #4) STONE".
2. STORMWATER COMPACTION REQUIREMENTS ARE MADE FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 6" (150 mm) LIFTS USING TWO FULL COVERS WITH A VIBRATORY COMPACTOR.
3. WHERE NEUTRALIZATION SUBBASES ARE USED, SUBBASES MAY BE COMPROMISED BY COMPACTION. FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.
4. LAYER C/S IS PLACED, ANY SOLI/MATERIAL CAN BE PLACED IN LAYER 'U' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.



3. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418-16a, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
4. 70-74" CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS"
5. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS.
6. PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
7. REQUIREMENTS FOR HANDLING AND INSTALLATION:
 - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
 - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 2".
 - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT AS DEFINED IN SECTION 8.2.8 OF ASTM F2418 SHALL BE GREATER THAN OR EQUAL TO 550 LBS/IN/IN, AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.




POND OUTLET STRUCTURE

SCALE: NTS

1. FOR LENGTH AND SLOPE OF OUTLET PIPES SEE PLAN

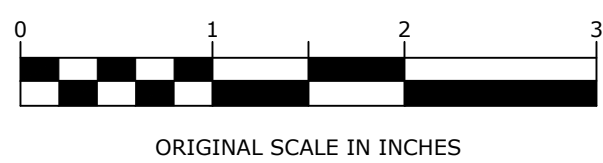
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| DRAWING STATUS | | ISSUE DATE: | |
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| THIS SHEET IS PART OF THE PLAN SET ISSUED FOR | | SHEET NUMBER | |
| <input type="checkbox"/> CONCEPT APPROVAL | N/A | OF | N/A |
| <input checked="" type="checkbox"/> PLANNING BOARD APPROVAL | 11 | OF | 13 |
| <input checked="" type="checkbox"/> OCDDT REALTY SUBDIVISION APPROVAL | N/A | OF | N/A |
| <input type="checkbox"/> OCDDT WATERMAIN EXTENSION APPROVAL | N/A | OF | 5 |
| <input type="checkbox"/> NYSDEC APPROVAL | N/A | OF | N/A |
| <input type="checkbox"/> NYSDOT APPROVAL | N/A | OF | N/A |
| <input type="checkbox"/> OTHER | N/A | OF | N/A |
| <input type="checkbox"/> FOR BID | N/A | OF | N/A |
| <input type="checkbox"/> FOR CONSTRUCTION | N/A | OF | N/A |
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| REVISION: | 6 - 06/21/22 | TAX LOT: | 13-3-2 | |

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SC-740 6" (150 mm) INSPECTION PORT DETAIL
NTS

NTS

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by StormTech

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INSTRUCTIONS,
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INSTALLATION APP



LANDSCAPING:

- ### BACKFILL MATERIALS

- ## COMPACTION

- ## ASPHALT RESTORATION

- GENERAL NOTES:

- MAINTENANCE AND PROTECTION OF TRAFFIC:

- OSHA REQUIREMENTS: MUST BE ADHERED TO AT ALL TIMES

- ### WORK HOURS

1. CONSTRUCTION STAGING: STAKE OUT LIMIT OF DISTURBANCE. INSTALL SILT FENCE DOWN HILL OF PROPOSED CONSTRUCTION. INSTALL STABILIZED CONSTRUCTION ENTRANCE AND STABILIZE CONSTRUCTION ROAD(S).
2. CLEARING AND GRUBBING: REMOVE VEGETATION FROM AREA OF CONSTRUCTION. STRIP TOPSOIL AND STOCKPILE IN AREAS SHOWN ON THE PLAN. INSTALL SEDIMENT BARRIERS AROUND AND ESTABLISH TEMPORARY VEGETATION ON TOPSOIL STOCKPILES
3. ROUGH GRADING: CUT AND FILL SITE TO APPROXIMATE ELEVATIONS SHOWN ON THE PLAN. ESTABLISH PERMANENT STABILIZATION IN AREAS THAT ARE COMPLETELY EXPOSED TO EROSION. ESTABLISH TEMPORARY STABILIZATION ON AREAS THAT WILL BE GRADED AGAIN MORE THAN 14 DAYS FROM LAST DISTURBANCE.
4. CONSTRUCTION OF DRIVEWAYS: BUILDING EXCAVATION AND CONSTRUCTION. ENSURE ALL EROSION CONTROL MEASURES ARE IN WORKING ORDER.
5. FINAL GRADING AND LANDSCAPING: COMPLETE FINE GRADING OF SITE. SPREAD TOPSOIL AND PREPARE FOR PERMANENT SEEDING AND PLANTING. ESTABLISH PERMANENT VEGETATION IN ALL REMAINING UN-STABILIZED AREAS. INSTALL ALL SITE LANDSCAPING AND PLANTINGS.
6. POST CONSTRUCTION: UPON STABILIZATION OF THE SITE AND ESTABLISHMENT OF ALL VEGETATION COVER, REMOVE ALL REMAINING TEMPORARY EROSION CONTROL MEASURES SUCH AS SILT FENCES, SILT BARRIERS, SILT AND DERRIS FROM THE SITE INCLUDING DRIVEWAYS, AND STORM DRAINS.

1. NO SITE PREPARATION OR CONSTRUCTION, INCLUDING UTILITY CONNECTIONS, SHALL COMMENCE UNTIL A VALID HIGHWAY WORK PERMIT HAS BEEN SECURED FROM THE ORANGE COUNTY DEPARTMENT OF PUBLIC WORKS UNDER SECTION 136 OF HIGHWAY LAW.
2. ALL GRADED OR DISTURBED AREAS INCLUDING SLOPES SHALL BE PROTECTED DURING CLEARING AND CONSTRUCTION IN ACCORDANCE WITH THE APPROVED SEDIMENT CONTROL PLAN UNTIL THEY ARE PERMANENTLY STABILIZED.
3. ALL SEDIMENT CONTROL PRACTICES AND MEASURES SHALL BE CONSTRUCTED, APPLIED AND MAINTAINED IN ACCORDANCE WITH THE APPROVED SEDIMENT CONTROL PLAN AND THE "STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL IN DEVELOPING AREAS."
4. TOPSOIL REQUIRED FOR THE ESTABLISHMENT OF VEGETATION SHALL BE STOCKPILED IN AMOUNT NECESSARY TO COMPLETE FINISHED GRADING OF ALL EXPOSED AREAS.
5. AREAS TO BE FILLED SHALL BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS OR OTHER OBJECTIONABLE MATERIAL.
6. AREAS WHICH ARE TO BE TOPSOILED SHALL BE SCARIFIED TO A MINIMUM DEPTH OF FOUR INCHES PRIOR TO PLACEMENT OF TOPSOIL.
7. ALL FILLS SHALL BE COMPACTED AS REQUIRED TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, SUBSIDENCE OR OTHER RELATED PROBLEMS. FILL INTENDED TO SUPPORT BUILDINGS, STRUCTURES AND CONDUITS, ETC. SHALL BE COMPACTED IN ACCORDANCE WITH LOCAL REQUIREMENTS OR CODES.
8. ALL FILL TO BE PLACED AND COMPACTED IN LAYERS NOT TO EXCEED 9 INCHES IN THICKNESS.
9. EXCEPT FOR APPROVED LANDFILLS, FILL MATERIAL SHALL BE FREE OF FROZEN PARTICLES, BRUSH, ROOTS, SOD, OR OTHER FOREIGN OR OTHER OBJECTIONABLE MATERIALS THAT WOULD INTERFERE WITH OR PREVENT CONSTRUCTION OF SATISFACTORY FILLS.
10. FROZEN MATERIALS OR SOFT, MUCKY OR HIGHLY COMPRESSIBLE MATERIALS SHALL NOT BE INCORPORATED IN FILLS.
11. FILL SHALL NOT BE PLACED ON SATURATED OR FROZEN SURFACES.
12. ALL BENCHES SHALL BE KEPT FREE OF SEDIMENT DURING ALL PHASES OF DEVELOPMENT.
13. SEEPS OR SPRINGS ENCOUNTERED DURING CONSTRUCTION SHALL BE HANDLED IN ACCORDANCE WITH THE STANDARD AND SPECIFICATION FOR SUBSURFACE DRAIN OR OTHER APPROVED METHOD.
14. ALL GRADED AREA SHALL BE PERMANENTLY STABILIZED IMMEDIATELY FOLLOWING FINISHED GRADING.
15. STOCKPILES, BORROW AREAS AND SPOIL AREAS SHALL BE SHOWN ON THE PLANS AND SHALL BE SUBJECT TO THE PROVISIONS OF THIS STANDARD AND SPECIFICATION.
16. WETLAND DISTURBANCE TO BE LIMITED TO HATCHED AREA. TOTAL DISTURBANCE = 0 ACRES

CLASS B HIGH INTENSITY SHEETING SIGN
SEE MPT SIGN SCHEDULE DETAIL

HOT DIPPED GALVANIZED U-CHANNEL SIGN POST

7'-0"

BREAKAWAY BOLTS WITH BAR SPACER

4" MAX

FINISH SURFACE

3'-6" MIN

NOTES:

1. SIGN POST SHALL BE HOT DIPPED GALVANIZED, 4LB/FT STRENGTH.
2. SIGN ASSEMBLY HARDWARE SHALL BE HOT DIPPED GALVANIZED GRADE 5.
3. BREAKAWAY BOLTS SHALL BE ALUMINUM.

OCPDW SIGN POST

SCALE: NTS

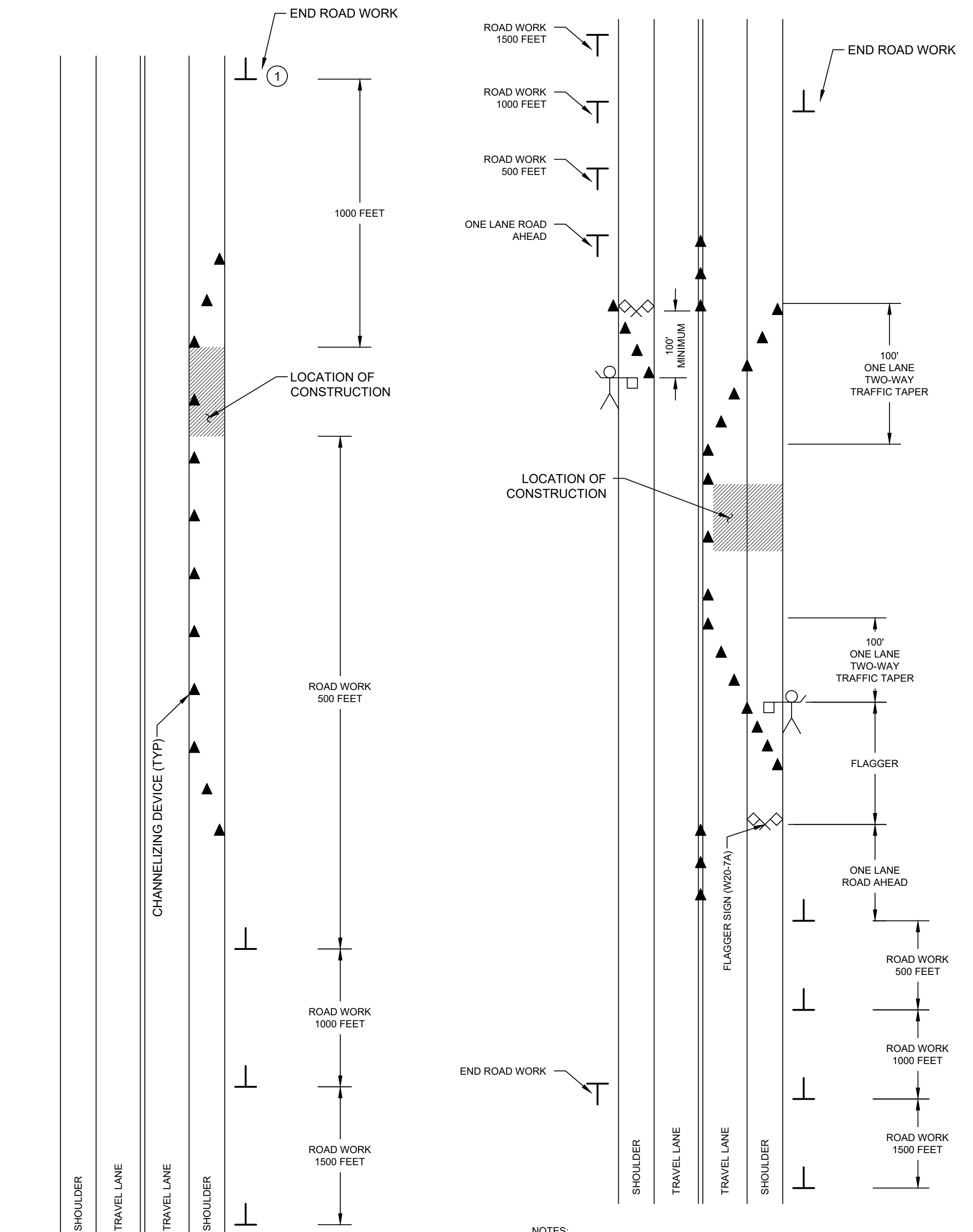
| DRAWING STATUS | | ISSUE DATE: 06/21/22 | |
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| THIS SHEET IS PART OF THE PLAN SET ISSUED FOR | | SHEET NUMBER | |
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| <input checked="" type="checkbox"/> PLANNING BOARD APPROVAL | 13 | OF | 13 |
| <input type="checkbox"/> OGDON REALTY SUBDIVISION APPROVAL | N/A | OF | N/A |
| <input type="checkbox"/> OGDON WATERMAIN EXTENSION APPROVAL | N/A | OF | 5 |
| <input type="checkbox"/> NYSDEC APPROVAL | N/A | OF | N/A |
| <input type="checkbox"/> NYSDOT APPROVAL | N/A | OF | N/A |
| <input type="checkbox"/> OTHER | N/A | OF | N/A |
| <input type="checkbox"/> FOR BID | N/A | OF | N/A |
| <input type="checkbox"/> FOR CONSTRUCTION | N/A | OF | N/A |
| <p>THIS PLAN SET HAS BEEN ISSUED SPECIFICALLY FOR THE APPROVAL OR ACTION NOTED ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE.</p> <p>THIS SHEET SHALL BE CONSIDERED INVALID UNLESS ACCOMPANIED BY ALL SHEETS OF THE DENOTED PLAN SET(S).</p> | | | |

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NOTES:

1. WHEN THE MINIMUM LANE WIDTH OF TEN (10) FEET CANNOT BE MAINTAINED DUE TO A SHOULDER CLOSURE, USE THE DETAIL FOR SHORT OR INTERMEDIATE TERM STATIONARY FLAGGING OPERATION.
 2. NO WORK ACTIVITY OR STORAGE OF EQUIPMENT, VEHICLES, OR MATERIAL SHOULD OCCUR WITHIN A BUFFER SPACE.
 3. IN THOSE SITUATIONS WHERE MULTIPLE WORK LOCATIONS EXIST WITHIN A LIMITED DISTANCE MAKE IT PRACTICAL TO PLACE STATIONARY SIGNS, THE DISTANCE BETWEEN THE ADVANCE WARNING SIGN AND WORK SHALL NOT EXCEED FIVE (5) MILES.
 4. CHANNELIZING DEVICE SPACE (CENTER TO CENTER) SHALL NOT EXCEED FORTY (40) FEET IN THE ACTIVE WORK SPACE.
 5. TRANSVERSE DEVICES SHALL BE REQUIRED (AS PER 619 STANDARD SPECIFICATIONS) WHEN A PAVED SHOULDER HAVING A WIDTH OF EIGHT (8) FEET OR GREATER IS CLOSED FOR A DISTANCE GREATER THAN 1,500'.

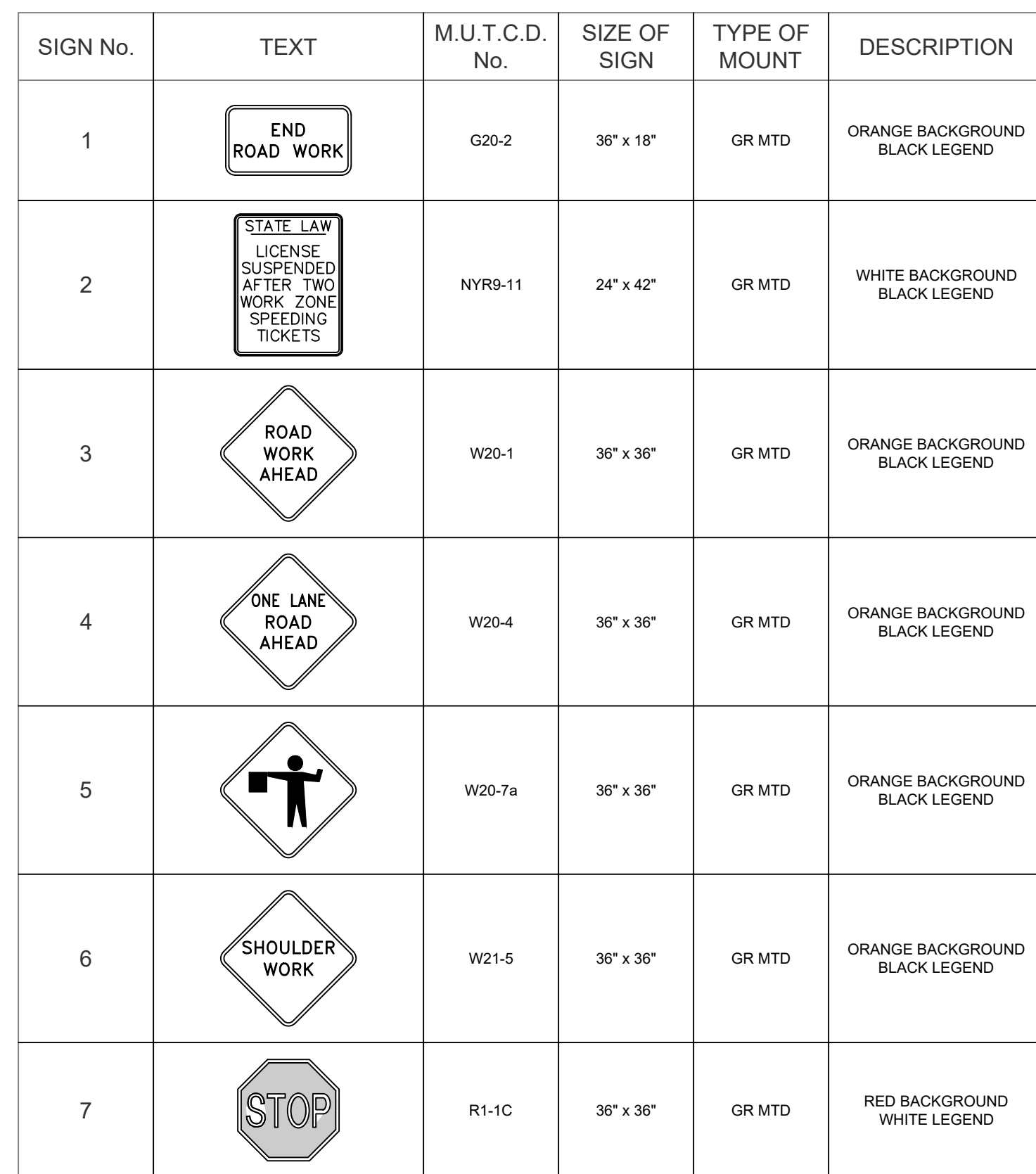
**SHOULDER CLOSURE
SHORT OR INTERMEDIATE TERM
STATIONARY 2-LANE 2-WAY ROADWAY**

SCALE: NTS

 2. WHEN A SIDE ROAD OR DRIVEWAY INTERSECTS THE ROADWAY WITHIN A WORK ZONE TRAFFIC CONTROL AREA, ADDITIONAL TEMPORARY TRAFFIC CONTROL DEVICES AND/OR FLAGGERS SHALL BE PLACED AS NEEDED. ADDITIONAL FLAGGERS SHALL BE LOCATED AT ALL INTERSECTIONS AND COMMERCIAL DRIVEWAYS LOCATED WITHIN OR NEAR THE ACTIVE WORK SPACE.
 3. NO WORK ACTIVITY, EQUIPMENT, OR STORAGE OF VEHICLES, OR MATERIAL SHALL OCCUR WITHIN THE BUFFER SPACE AT ANY TIME.
 4. CHANNELIZING DEVICE SPACING (CENTER TO CENTER) SHALL NOT EXCEED FORTY (40) FEET IN THE ACTIVE WORK SPACE.
 5. TRANSVERSE DEVICES SHALL BE REQUIRED WHEN A PAVED SHOULDER HAVING A WIDTH OF EIGHT (8) FEET OR GREATER IS CLOSED FOR A DISTANCE GREATER THAN 1,500'.
 6. THE END ROAD WORK SIGN SHALL BE PLACED A MAXIMUM OF 500' PAST THE END OF THE WORK SPACE.
 7. WHERE DIRECTED BY THE ENGINEER, A BUFFER SPACE SHALL BE PROVIDED IN ORDER TO LOCATE THE ONE-LANE, TWO-WAY TRAFFIC CONTROL SIGN PRIOR TO A HORIZONTAL OR VERTICAL CURVE, IN ORDER TO PROVIDE ADEQUATE SIGHT DISTANCE FOR THE FLAGGERS AND/OR A QUEUE OF STOPPED VEHICLES.
 8. THE FLAG TREE SHALL BE LOCATED ON THE SHOULDER, AT APPROXIMATELY 1/2 THE DISTANCE BETWEEN THE FLAGGER SIGN AND THE FLAGGER.
 9. FLAGGER SIGN AND ONE LANE ROAD AHEAD SIGN SHALL BE REMOVED, COVERED OR TURNED AWAY FROM ROAD USERS WHEN FLAGGING OPERATIONS ARE NOT OCCURRING.
 10. ALL FLAGGERS SHALL USE 24" MINIMUM OCTAGON SHAPED STOP/SLOW PADDLES HAVING 6" STAFF.
 11. CENTERLINE CHANNELIZING DEVICES ARE OPTIONAL AND MAY BE ELIMINATED WHERE SPACE CONSTRAINTS EXIST.

SCALE: NTS

SCALE: NTS



SCALE: N.T.S.