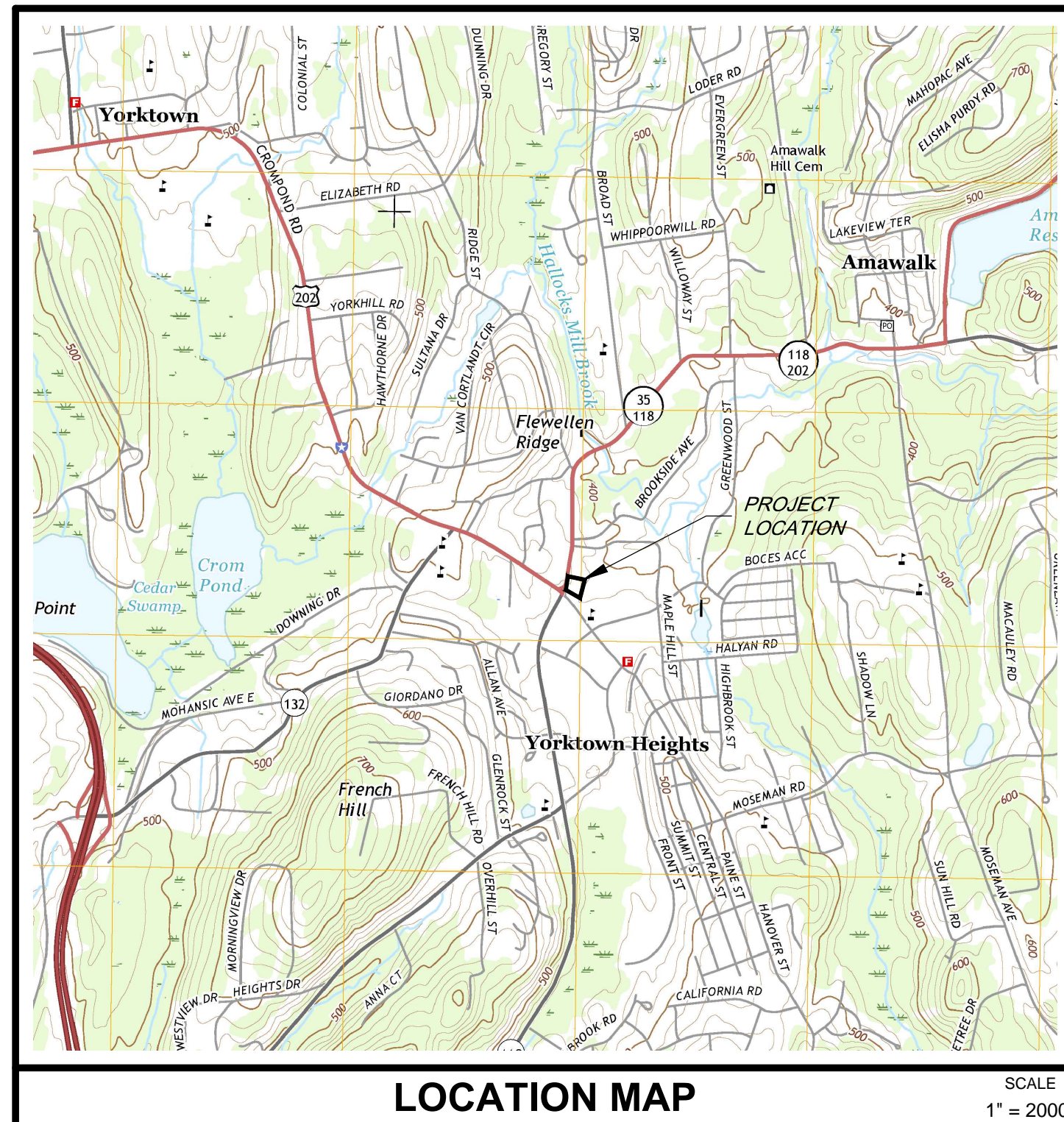


MOBIL GAS STATION NEW CONVENIENCE STORE

2035 SAW MILL RIVER ROAD
YORKTOWN HEIGHTS, NY 10598

TOWN OF YORKTOWN
WESTCHESTER COUNTY, NY
MARCH 2018



Sheet Schedule

- G-100 Title Sheet
- G-110 Project Notes and Legend
- SP-100 Site Plan
- SP-200 Utility, Grading, and Erosion Control Plan
- SP-300 Vehicle Maneuvering Plan
- D-100 Site Details
- D-200 Stormwater Details
- L-1 Lighting Plan

OWNER CONSENT

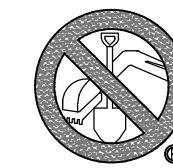
THE UNDERSIGNED OWNER OF THE PROPERTY OR FACILITIES HEREON STATES THAT I AM FAMILIAR WITH THESE MAPS, THEIR CONTENTS AND LEGENDS AND HEREBY CONSENT TO ALL SAID TERMS AND CONDITIONS AS STATED HEREON.

SIGNED THIS _____ DAY OF _____ 2017

OWNERS SIGNATURE

APWA UNIFORM COLOR CODE FOR MARKING UNDERGROUND UTILITY LINES

- WHITE PROPOSED EXCAVATION
- PINK TEMPORARY SURVEY MARKINGS
- RED ELECTRICAL POWER LINES, CABLES, CONDUIT AND LIGHTING CABLES
- YELLOW GAS, OIL, STEAM, PETROLEUM OR GASEOUS MATERIALS
- ORANGE COMMUNICATION, ALARM OR SIGNAL LINES, CABLES, OR CONDUIT
- BLUE POTABLE WATER
- PURPLE RECLAIMED WATER, IRRIGATION AND SLURRY LINES
- GREEN SEWER & DRAIN LINES



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i-notice

- ◆ Create your own stake out-request on the internet, 24 hours a day, 7 days a week, 365 days a year
- ◆ The i-notice will satisfy all the requirements of an excavation notification as mandated by Code Rule 753
- ◆ No waiting on the phone
- ◆ Electronic maps are available to help pin point accurate dig site locations
- ◆ The only requirement is access to the internet and Microsoft Internet Explorer 4.0 or newer.
- ◆ Verbal transcription errors are eliminated.
- ◆ Self-paced on line tutorials and site training is available.
- ◆ The i-notice services is FREE!

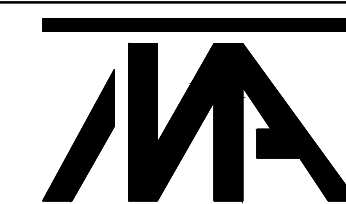
Simply send an e-mail to: register@digsafelynewyork.com expressing your interest in participating in this innovative, time efficient and user friendly method to create your OWN stake-out notice.

A	REVISED PER TOWN COMMENTS	3/27/2018	AL
REV. No.	DESCRIPTION	DATE	BY

MOBIL GAS STATION STORE

TOWN OF YORKTOWN WESTCHESTER COUNTY, NY

TITLE SHEET



MORRIS ASSOCIATES,
ENGINEERING & SURVEYING CONSULTANTS, PLLC
9 Elks Lane, Poughkeepsie, New York 12601
Phone No. (845) 454-3411 Fax No. (845) 473-1962
64 Green Street - Suite 1, Hudson, New York 12534
Phone No. (518) 828-2300 Fax No. (518) 828-3963

DATE	SCALE	DESIGNED BY:	FILE No.	DRAWING No.
11/30/2017	AS SHOWN	AL	214098	1 OF 8
		DRAWN BY: KS/AM		
		CHECKED BY: PS		

G-100

SOIL EROSION & SEDIMENT CONTROL NOTES

- THIS PLAN IN CONJUNCTION WITH THE PROJECT STORMWATER POLLUTION PREVENTION PLAN (SWPPP), PROJECT SPECIFICATIONS AND THE NYS DEC SPDES GENERAL PERMIT FOR STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITY PERMIT NO. GP-0-10-001 SHALL BE USED TO MINIMIZE SOIL EROSION DURING THE COURSE OF CONSTRUCTION.
 - ALL SOIL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL (2005), (REFERRED TO IN REMAINING TEXT AS "THE NEW YORK GUIDELINES").
 - MANDATORY SITE INSPECTIONS SHALL BE PERFORMED BY A QUALIFIED INSPECTOR BIWEEKLY AND AFTER RAIN EVENTS OF 1 INCH OR MORE AS REQUIRED BY PART IV OF THE NY SPDES GP-0-15-002 PERMIT. THE QUALIFIED INSPECTOR SHALL CONDUCT AT LEAST TWO (2) SITE INSPECTIONS EVERY SEVEN (7) CALENDAR DAYS. THE TWO (2) INSPECTIONS SHALL BE SEPARATED BY A MINIMUM OF TWO (2) FULL CALENDAR DAYS AS REQUIRED BY PART II.C.3 OF THE NY SPDES GP-0-10-001 PERMIT.
 - EACH CONTRACTOR AND/OR SUBCONTRACTOR SHALL HAVE AT LEAST ONE TRAINED CONTRACTOR EMPLOYEE FROM THEIR COMPANY ON SITE ON A DAILY BASIS WHEN SOIL DISTURBING ACTIVITIES ARE BEING PERFORMED AS REQUIRED BY PART III.A.6 OF THE NY SPDES GP-0-10-001 PERMIT.
 - ANY DISTURBED AREA THAT WILL BE LEFT UNDISTURBED FOR MORE THAN 21 DAYS, AND ARE NOT SUBJECT TO CONSTRUCTION TRAFFIC, SHALL BE SEEDED AND MULCHED WITHIN SEVEN (7) DAYS FROM THE DATE THE SOIL DISTURBANCE ACTIVITY CEASED. IF THE SEASON PREVENTS THE ESTABLISHMENT OF A TEMPORARY COVER, THE DISTURBED AREAS SHALL BE MULCHED WITH STRAW OR EQUIVALENT MATERIAL. THE SEEDING SHALL BE DONE IN ACCORDANCE WITH THE NEW YORK GUIDELINES, AS FOLLOWS:
 - SEED: ANNUAL RYE GRASS APPLIED AT A RATE OF 30 LBS./ACRE OTHER SELECT MIXTURE AS DESCRIBED IN THE NEW YORK GUIDELINES.
IF: SPRING, SUMMER OR EARLY FALL SEED WITH RYE GRASS (ANNUAL OR PERENNIAL) AT 30 LBS. PER ACRE.
IF: LATE FALL OR EARLY WINTER SEED WITH CERTIFIED "AROOSTOOK" WINTER RYE, AT 100 LBS. (CEREAL RYE) PER ACRE.
 - MULCH: OLD HAY OR SMALL GRAIN STRAW APPLIED AT A RATE OF NINETY (90) POUNDS PER ONE THOUSAND SQUARE FT. OR TWO TONS PER ACRE. TO BE APPLIED AND ANCHORED ACCORDING TO THE NEW YORK GUIDELINES. WOODFIBER HYDROMULEN OR OTHER SPRAYABLE PRODUCTS APPROVED FOR EROSION CONTROL (NYLON WEB OR MESH) MAY BE USED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
 - ANY GRADED AREAS NOT SUBJECT TO FURTHER DISTURBANCE OR CONSTRUCTION TRAFFIC SHALL, WITHIN FIVE (5) DAYS AFTER FINAL GRADING, RECEIVE PERMANENT VEGETATIVE COVER IN COMBINATION WITH A SUITABLE MULCH AS FOLLOWS:
 - STEEP OR EROSION SLOPES GREATER THAN 2:1 (H:V) REFER TO PERMANENT CRITICAL AREA PLANTING NOTES.
 - RECREATIONAL AREAS AND LAWN REFER TO RECREATIONAL AREA IMPROVEMENT NOTES.
 - SLOPES STEEPER THAN ONE ON THREE (H:V) SHALL BE STABILIZED IMMEDIATELY AFTER GRADING.
 - PAVED ROADWAYS SHALL BE KEPT CLEAR AND CLEAN OF DEBRIS AT ALL TIMES.
 - THE SITE SHALL AT ALL TIMES BE GRADED AND MAINTAIN SUCH THAT ALL STORM WATER RUNOFF IS DIVERTED TO SOIL EROSION OR SEDIMENT CONTROL FACILITIES, EXCEPT FOR MINOR PERIMETER EMBANKMENT AREAS. ALL GRADED AREA SHALL BE DIRECTED THROUGH ONE OF THE SEDIMENT BARRIERS. DIVERSION SWALES MAY BE USED TO DIRECT DRAINAGE RUNOFF UNTIL PERMANENT STORM DRAINAGE SYSTEM IS IN PLACE.
 - DUST SHALL BE CONTROLLED BY SPRINKLING OR OTHER APPROVED METHODS.
 - THE BASE OF ALL STOCKPILES SHALL BE PROTECTED BY A COMBINATION OF SILT FENCE AND A HAY BALE BARRIER IN ACCORDANCE WITH THE DETAIL APPEARING ON THE DRAWINGS.
 - SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED AND MAINTAIN BY THE TRAINED CONTRACTOR EMPLOYEE ON A DAILY BASIS TO ENSURE THAT TEMPORARY AND PERMANENT DITCHES, PIPES AND STRUCTURES ARE CLEAR OF DEBRIS, THAT EMBANKMENTS AND BERMS ARE NOT BREACHED, AND THAT ALL BARRIERS ARE INTACT.
 - ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL FINAL ACCEPTANCE OF THE SITE WORK BY THE OWNER. UPON CERTIFICATION OF FINAL ACCEPTANCE, THE OWNER WILL ASSUME RESPONSIBILITY FOR THE CONTINUED MAINTENANCE OR PERMANENT SOIL EROSION AND SEDIMENTATION CONTROL MEASURES.
 - THE CONTRACTOR IS ULTIMATELY RESPONSIBLE FOR IMPLEMENTATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL MEASURES.
- LIMIT OF DISTURBANCE < 1.0 ACRES

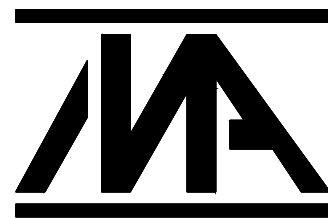
STORMWATER POLLUTION PREVENTION NOTES

- ALL CONSTRUCTION ACTIVITIES SHALL BE PERFORMED IN ACCORDANCE WITH THE STATE POLLUTION DISCHARGE ELIMINATION SYSTEM (SPDES) AS REGULATED BY THE NYS DEPARTMENT OF ENVIRONMENTAL CONSERVATION (DEC), AS WELL AS LOCAL REQUIREMENTS.
- THE CONTRACTOR SHALL IMPLEMENT EROSION CONTROL PRACTICES TO ENSURE THAT STORMWATER RUNOFF IS NOT CONTAMINATED BY SEDIMENT CAUSED BY LAND DISTURBANCES ASSOCIATED WITH CONSTRUCTION ACTIVITIES.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL IMPLEMENT THE FOLLOWING PLANNING PRACTICES:
 - ENSURE THAT SEDIMENT CONTROLS ARE IN PLACE PRIOR TO DISTURBANCE.
 - MAINTAIN SEDIMENT CONTROLS THROUGHOUT THE CONSTRUCTION AND RESTORATION PROCESSES.
 - MINIMIZE THE OVERALL DISTURBANCE WHENEVER POSSIBLE.
 - PROTECT DISTURBED AREAS THROUGHOUT THE CONSTRUCTION PROCESS.
 - PREVENT STORMWATER RUNOFF FROM ENTERING DISTURBED AREAS.
 - NEVER DISCHARGE CONSTRUCTION CONTAMINANTS DIRECTLY INTO CREEKS, RIVERS, DITCHES, OR SEWER SYSTEMS.
 - COMPLETE PERMANENT RESTORATION AS SOON AS POSSIBLE.
- IN ADDITION TO THE PLANNING PRACTICES, THE CONTRACTOR SHALL, AT A MINIMUM, IMPLEMENT THE FOLLOWING SPECIFIC PRACTICES:
 - PROVIDE TEMPORARY EROSION PROTECTION WHENEVER POSSIBLE:
 - MULCH, SEED, OR GRAVEL MAY BE APPLIED EVEN IF DISTURBED AREA MAY AND/OR WILL BE DISTURBED AGAIN OR OTHER PERMANENT MEASURES OF STABILIZATION ARE TO FOLLOW.
 - COVER SPOIL PILES WITH A TARP OR CONTAIN WITH A SEDIMENT BARRIER.
 - CONTAIN DISTURBED SEDIMENT ON-SITE:
 - USE SEDIMENT BARRIERS SUCH AS SILT FENCE, SAND BAGS, STRAW BAILS, ROCK CHECK DAMS AND/OR SEDIMENT TRAPS TO CONTAIN SEDIMENT ON THE CONSTRUCTION SITE.
 - EXISTING VEGETATION MAY BE USED AS A SEDIMENT FILTER WHERE MINIMAL GRADES AND SHEET FLOW RUNOFF WILL OCCUR.
 - INSURE THAT ALL SEDIMENT BARRIERS ARE INSTALLED AND FUNCTIONING PROPERLY.
 - AVOID CAUSING FLOODING IN ROADWAYS AND ADJACENT RIGHT-OF-WAY:
 - DO NOT BLOCK EXISTING CULVERTS AND CATCH BASINS EXCEPT AS A LAST RESORT.
 - ENSURE THAT SEDIMENT IS REMOVED FROM SEDIMENT TRAPS AND FILTERS AFTER ALL STORM EVENTS.

GENERAL CONSTRUCTION NOTES

- LOCATION OF EXISTING SITE UTILITIES ARE BASED ON INFORMATION PROVIDED BY UTILITY OWNER AND ARE FOR ILLUSTRATIVE PURPOSES ONLY. OWNER AND ENGINEER SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OF THE UTILITIES SHOWN. CONTRACTOR SHALL BE RESPONSIBLE FOR THE MARK OUT OF ALL UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION.
- CONTRACTOR SHALL CONTACT 'DIG SAFELY NEW YORK' PRIOR TO COMMENCING CONSTRUCTION. 1-800-962-7962
- THE PLANS SHOW SOME KNOWN SUBSURFACE STRUCTURES, ABOVE GROUND STRUCTURES AND/OR UTILITIES BELIEVED TO EXIST IN THE WORKING AREA, EXACT LOCATIONS OF WHICH MAY VARY FROM THE LOCATIONS INDICATED. IN PARTICULAR, THE CONTRACTOR IS WARNED THAT THE EXACT OR EVEN APPROXIMATE LOCATIONS OF SUCH PIPELINES, SUBSURFACE STRUCTURES AND/OR UTILITIES IN THE AREA MAY BE SHOWN OR MAY NOT BE SHOWN, AND IT SHALL BE HIS (THE CONTRACTOR'S) RESPONSIBILITY TO PROCEED WITH GREAT CARE IN EXECUTING ANY WORK. NO WARRANTY IS MADE OR IMPLIED REGARDING THE EXACT LOCATION OF UNDERGROUND STRUCTURES AND/OR UTILITIES.
- THE CONTRACTOR SHALL NOTE THAT THERE HAS BEEN EXISTING SEWER AND GAS SERVICES NOT SHOWN ON THE PLANS.
- PRIOR TO THE INSTALLATION OF ALL NEW EQUIPMENT AND APPURTENANCES, THE CONTRACTOR IS DIRECTED TO LOCATE EXISTING STRUCTURES, PIPELINES OR EQUIPMENT TO ASCERTAIN IF SAID ITEM IS IN CONFLICT OR CONTRADICTION TO THE INTENT OF THE CONTRACT PLANS OR SPECIFICATIONS.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO EXAMINE ALL PLANS, SPECIFICATIONS AND CONTRACT DOCUMENTATION TO THOROUGHLY FAMILIARIZE HIMSELF/HERSELF WITH THE FULL SCOPE AND INTENT OF THE WORK.
- THE ENGINEER SHALL BE NOTIFIED IN WRITING OF ANY CONDITIONS THAT VARY FROM THOSE SHOWN ON THE PLANS. THE CONTRACTOR'S WORK SHALL NOT VARY FROM THE PLANS WITHOUT THE EXPRESSED APPROVAL OF THE ENGINEER.
- THE CONTRACTOR IS RESPONSIBLE FOR THE FIELD LAYOUT OF ALL IMPROVEMENTS.
- THE CONTRACTOR SHALL PROTECT ALL PROPERTY LINE MONUMENTATION. ANY MONUMENT DISTURBED OR DESTROYED SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE BY A NEW YORK STATE LICENSED LAND SURVEYOR.
- EXPLORATORY EXCAVATIONS SHALL BE PERFORMED BY THE CONTRACTOR, AT HIS OWN EXPENSE AND AS NEEDED, TO VERIFY EXISTING SUBSURFACE CONDITIONS. PRIOR TO CONTRACTOR BEGINNING CONSTRUCTION, CONTRACTOR SHALL BE RESPONSIBLE FOR EXCAVATING A MINIMUM TWO (2) TEST HOLES TO VERIFY SIZE, MATERIAL, AND CONDITION OF THE EXISTING WATER MAINS. SAID TEST HOLES SHALL BE DUG IN THE GENERAL LOCATION OF EACH PROPOSED INTERCONNECTION.
- ALL EXCAVATION AND ANY REQUIRED SHEETING, SHORING OR BRACING SHALL BE CONDUCTED IN FULL CONFORMANCE WITH THE LATEST REVISIONS OF THE NEW YORK STATE INDUSTRIAL CODE RULE 23 AND OSHA REGULATIONS FOR CONSTRUCTION. SHEETING SHALL BE DESIGNED AND SEALED BY A NEW YORK STATE LICENSED PROFESSIONAL ENGINEER.
- THE CONTRACTOR SHALL MAINTAIN, AT ALL TIMES, FULL ACCESS TO ALL ROADWAYS AND DRIVEWAYS THROUGHOUT THE SITE.
- THE CONTRACTOR SHALL NOT STOCKPILE ANY MATERIALS OR CAUSE ANY MATERIALS TO BE PLACED ON ANY ROADWAYS OR PARKING AREAS THROUGHOUT THE SITE THAT IS NOT DESIGNATED AS A STAGING AREA. ANY MATERIALS DEPOSITED ON ANY ROADWAYS OR DRIVEWAYS SHALL BE REMOVED IMMEDIATELY.
- THE CONTRACTOR IS CAUTIONED THAT THE SITE WILL BE OCCUPIED DURING THE COURSE OF CONSTRUCTION.
- CONTRACTOR IS TO GRADE ALL DISTURBED AREAS ON THE SITE TO PROVIDE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION SITE SAFETY.
- THE CONTRACTOR SHALL PROVIDE BARRICADES, INCLUDING TEMPORARY FENCING TO PREVENT UNAUTHORIZED ENTRY TO CONSTRUCTION AREAS AND TO PROTECT EXISTING AND NEW FACILITIES FROM DAMAGE BY CONSTRUCTION OPERATIONS OR VANDALISM.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION METHODOLOGY UNLESS OTHERWISE REQUIRED BY THESE PLANS AND SPECIFICATIONS.
- ALL EXCAVATIONS SHALL BE BACK FILLED TO FINISHED GRADE. THE WORK ZONE SHALL BE PROTECTED WITH BARRELS SPACED NO MORE THAN 25 FEET APART AT THE END OF EACH WORKDAY.
- THE CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS, AND ROADSIDE FEATURES INCLUDING LAWNS, DRIVES, CULVERTS, DRAINAGE SWALES, FENCES, SIGNS, MAILBOXES AND OTHER PUBLIC OR PRIVATE PROPERTY TO PRE-CONSTRUCTION CONDITION UNLESS OTHERWISE REQUIRED BY THESE PLANS AND/OR SPECIFICATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EXCAVATION DEWATERING AND MAINTENANCE OF SURFACE DRAINAGE DURING THE COURSE OF CONSTRUCTION.
- DURING THE COURSE OF CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN A DETAILED SET OF OF RECORDED DRAWINGS INDICATING THE EXACT LOCATIONS, INCLUDING ELEVATIONS, OF ALL IMPROVEMENTS. A MINIMUM OF TWO (2) THE DISTANCES TO PROMINENT FEATURES SHALL BE PROVIDED TO ALL NEW STRUCTURES, CHANGES IN PIPE ALIGNMENT (HORIZONTAL AND VERTICAL) AND OTHER PERTINENT FEATURES, TO PERMIT THE LOCATION OF ANY BURIED COMPONENTS. UPON COMPLETION OF CONSTRUCTION, THESE PLANS SHALL BE PROVIDED TO THE OWNER'S REPRESENTATIVE. THE CONTRACTOR SHALL PROVIDE ANY CORRECTIONS OR ADDITIONAL DATA, AS MAY BE REQUIRED, TO THE SATISFACTION OF THE OWNER AND OWNER'S REPRESENTATIVE. FINAL APPROVAL OF THESE RECORD PLANS BY THE OWNER AND THE OWNER'S REPRESENTATIVE WILL BE A REQUIREMENT PRIOR TO THE RELEASE OF FINAL PAYMENT.
- THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROLS AS REQUIRED TO PREVENT SOIL EROSION AND SEDIMENTATION, AT NO ADDITIONAL COST TO THE OWNER.
- EROSION CONTROL MEASURES SHALL BE REMOVED AND THE DISTURBED AREAS RESTORED TO THEIR PRE-CONSTRUCTION CONDITION WHEN SUCH MEASURES ARE NO LONGER REQUIRED.
- THE CONTRACTOR SHALL PROTECT EXISTING TREES TO REMAIN AND SHRUBS FROM DAMAGE DURING ALL PHASES OF CONSTRUCTION.
- CONTRACTOR SHALL RE-ESTABLISH ALL EXISTING DRAINAGE DITCHES/ SWALES INCLUDING STABILIZATION TO MAINTAIN EXISTING FLOW PATTERNS.

A	REVISED PER TOWN COMMENTS	3/27/2018	AL
REV. No.	DESCRIPTION	DATE	BY

IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW FOR ANY PERSON TO ALTER THESE PLANS, SPECIFICATIONS OR REPORTS IN ANY WAY, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER.	MOBIL GAS STATION STORE	
	TOWN OF YORKTOWN WESTCHESTER COUNTY, NY	
PROJECT NOTES AND LEGEND		
	MORRIS ASSOCIATES, ENGINEERING & SURVEYING CONSULTANTS, PLLC 9 Elks Lane, Poughkeepsie, New York 12601 Phone No. (845) 454-3411 Fax No. (845) 473-1962 64 Green Street - Suite 1, Hudson, New York 12534 Phone No. (518) 828-2300 Fax No. (518) 828-3963	
	G-110	
DATE 11/30/2017	SCALE 1"=20'	DESIGNED BY: AL DRAWN BY: KS/RAM CHECKED BY: PS
FILE No. 214098	DRAWING No. 2 OF 8	

MOBIL GAS STATION

NEW CONVENIENCE STORE

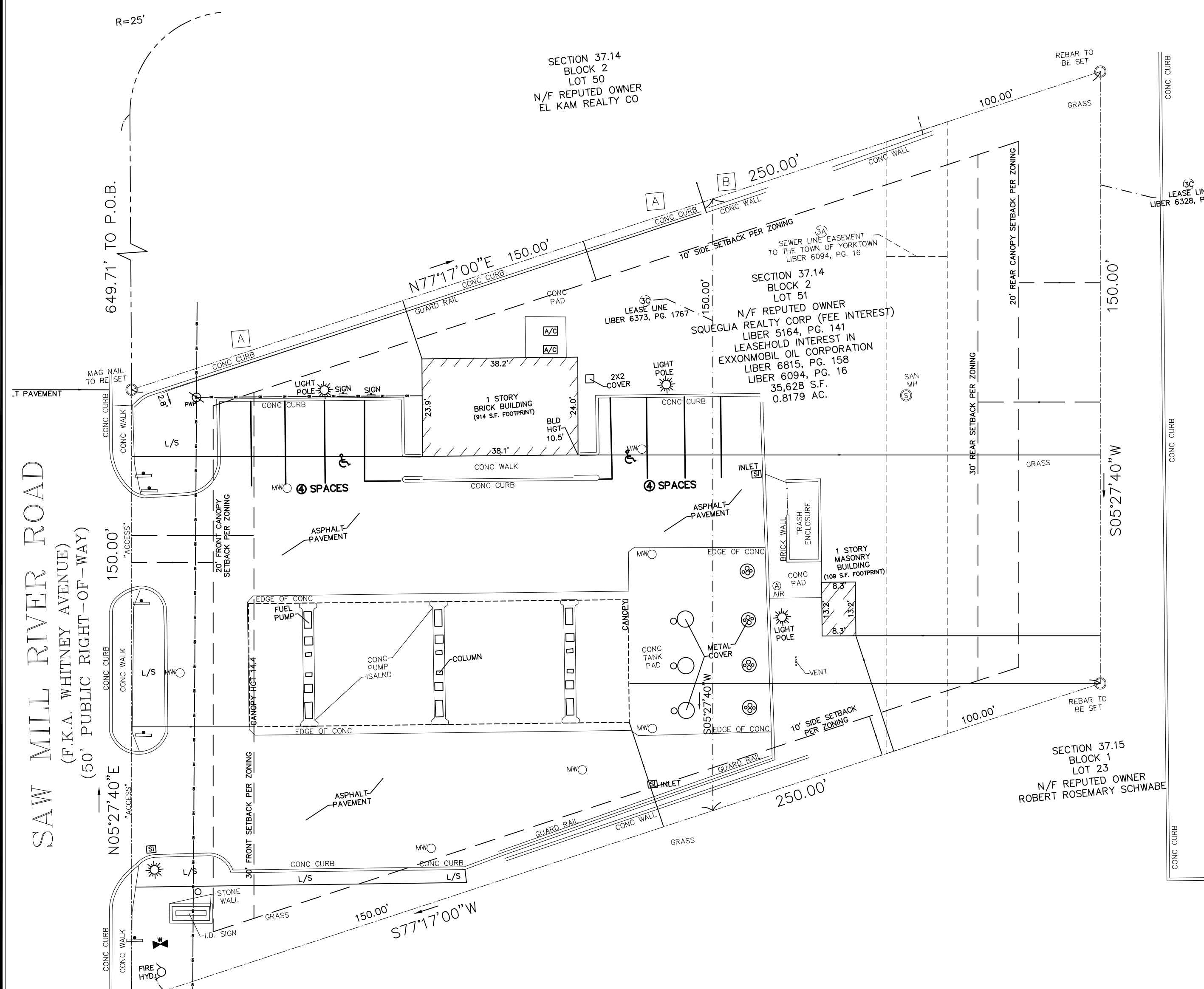
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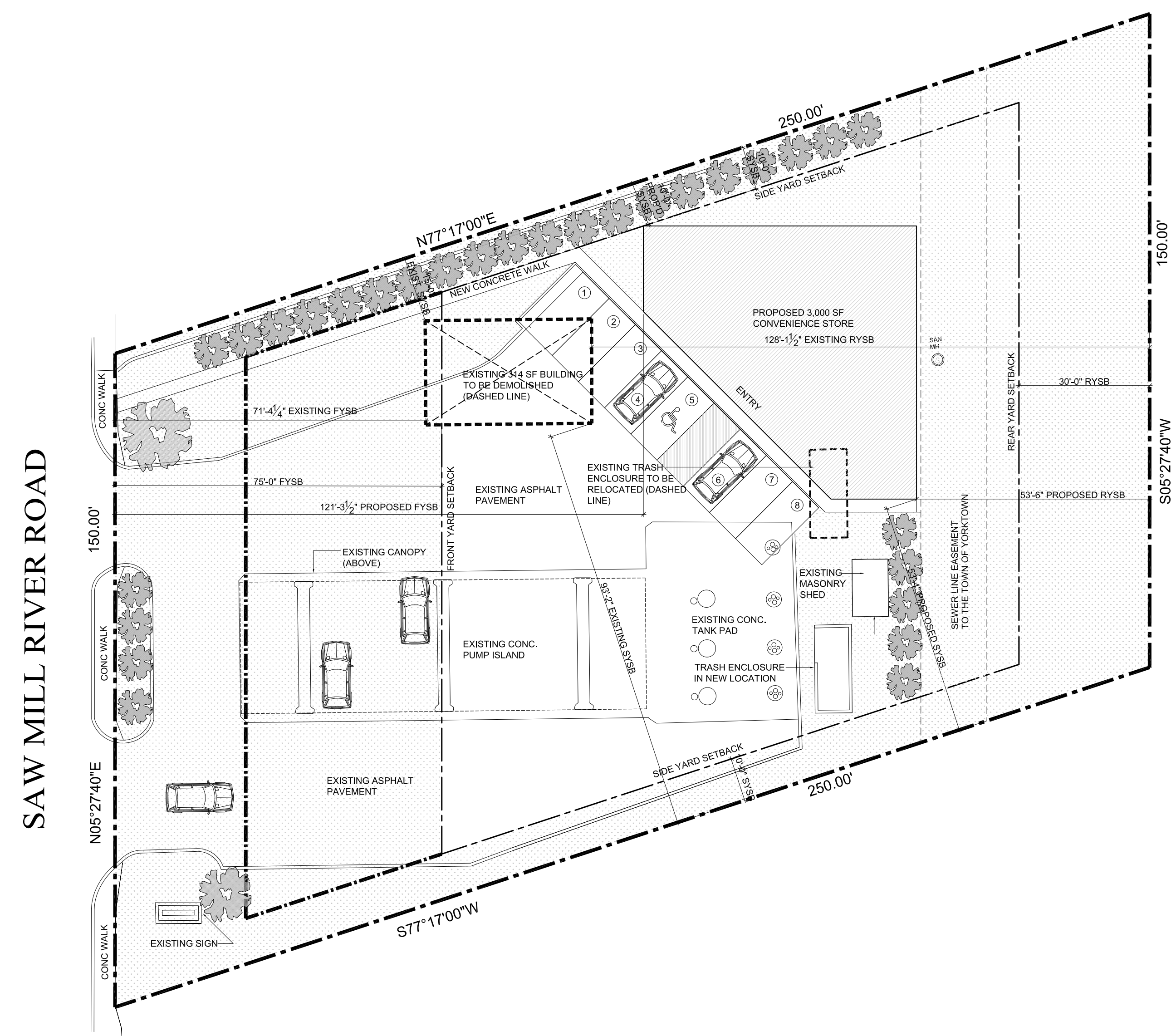
Michael Piccirillo Architecture

NOTE:
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ZONING DATA: YORKTOWN			
TAX MAP #:	37.14-2-51		
ZONE:	C-3		
TABLE BUILDING REQUIREMENTS			
MINIMUM LOT AREA	REQUIRED	EXISTING	PROPOSED
LOT WIDTH	10,000 SF	35,628.5 SF	NO CHANGE
LOT DEPTH	100 FT.	150 FT	NO CHANGE
COVERAGE	NONE		
BUILDING HEIGHT	30%	10.7%	17.8%
	35 FT	10'-6"	22'-0"
SETBACK REQUIREMENTS			
MIN. FRONT (WEST)	75 FT	71'-4 1/4"	121'-3 1/2"
MIN. REAR (EAST)	30 FT	128'-11 1/2"	53'-6"
MIN. SIDE (SOUTH)	10 FT	93'-2"	53'-4"
MIN. SIDE (NORTH)	10 FT	15'-0"	10'-0"
PARKING SPACES	5/1,000 SF=15	8 SPACES	8 SPACES



A EXISTING SITE PLAN
SCALE: 1" = 20'



B PROPOSED SITE PLAN
SCALE: 1" = 20'

No.	DATE:	ISSUE:
1	11/8/17	REVISED SITE PLAN
2	3/26/18	REVISED SITE PLAN

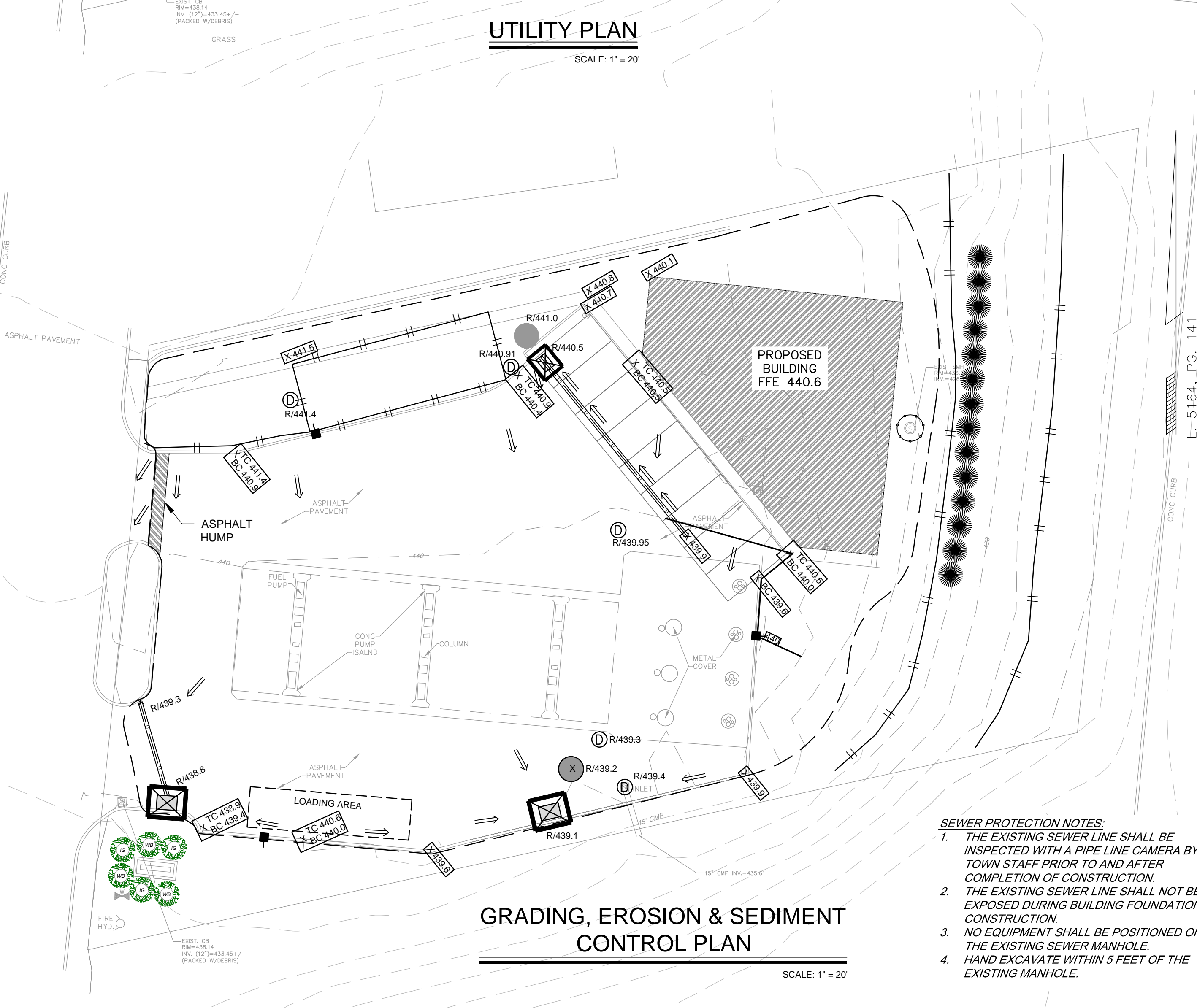
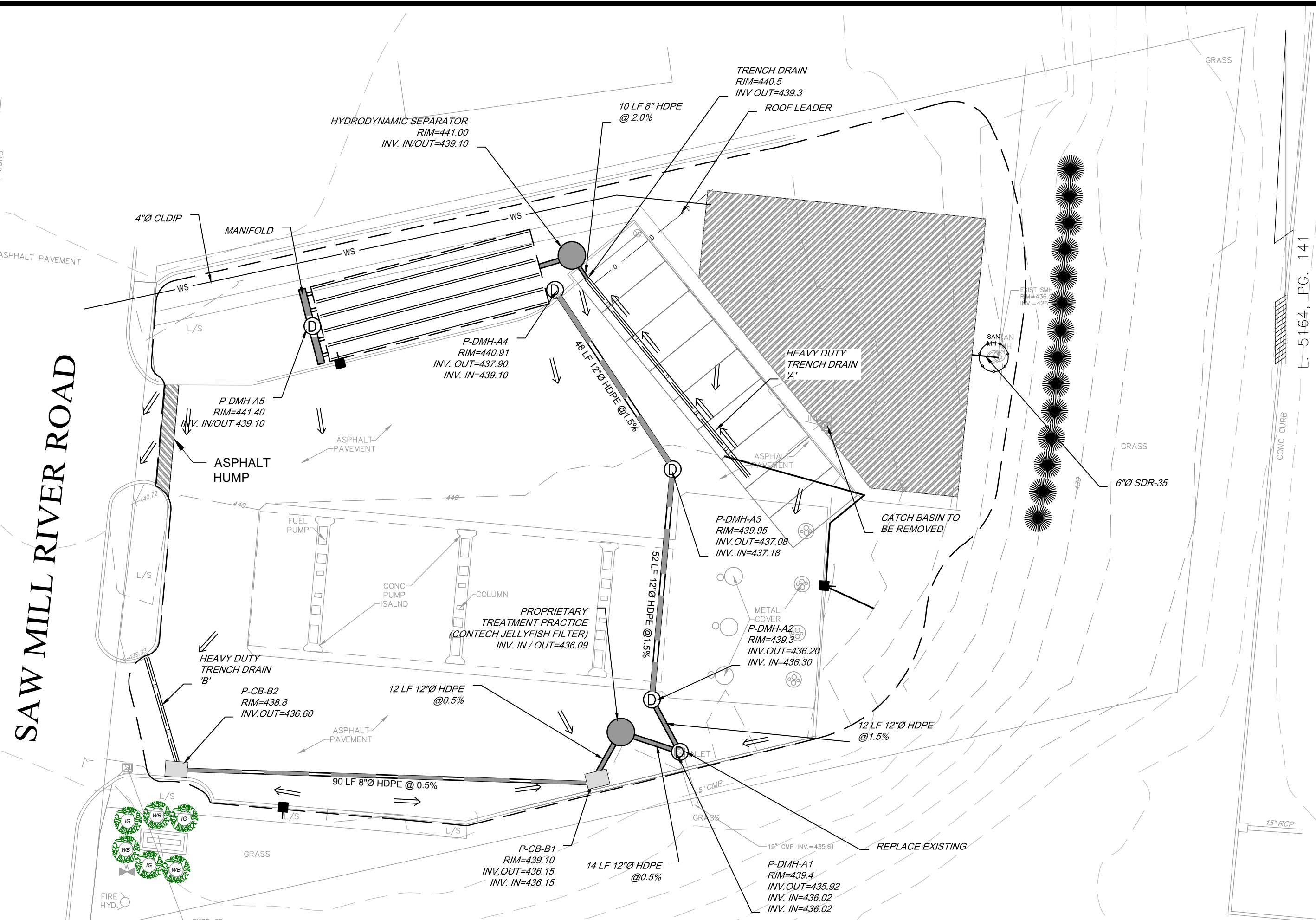
PROJECT NAME:
MOBIL GAS STATION
CONVENIENCE STORE
NEW CONSTRUCTION

PROJECT ADDRESS:
2035 SAW MILL RIVER RD.
YORKTOWN HEIGHTS, NEW YORK

MICHAEL A PICCIRILLO, AIA
345 KEAR STREET SUITE #203
YORKTOWN, NEW YORK 10598
TELEPHONE: 914-368-9838
FACSIMILE: 914-368-9839
michael@mpiccirilloarchitect.com
www.mpiccirilloarchitect.com

SITE PLAN

SCALE:	DATE:
DRAWN BY: VL	
CHK'D BY:	
3 OF 8	SP100



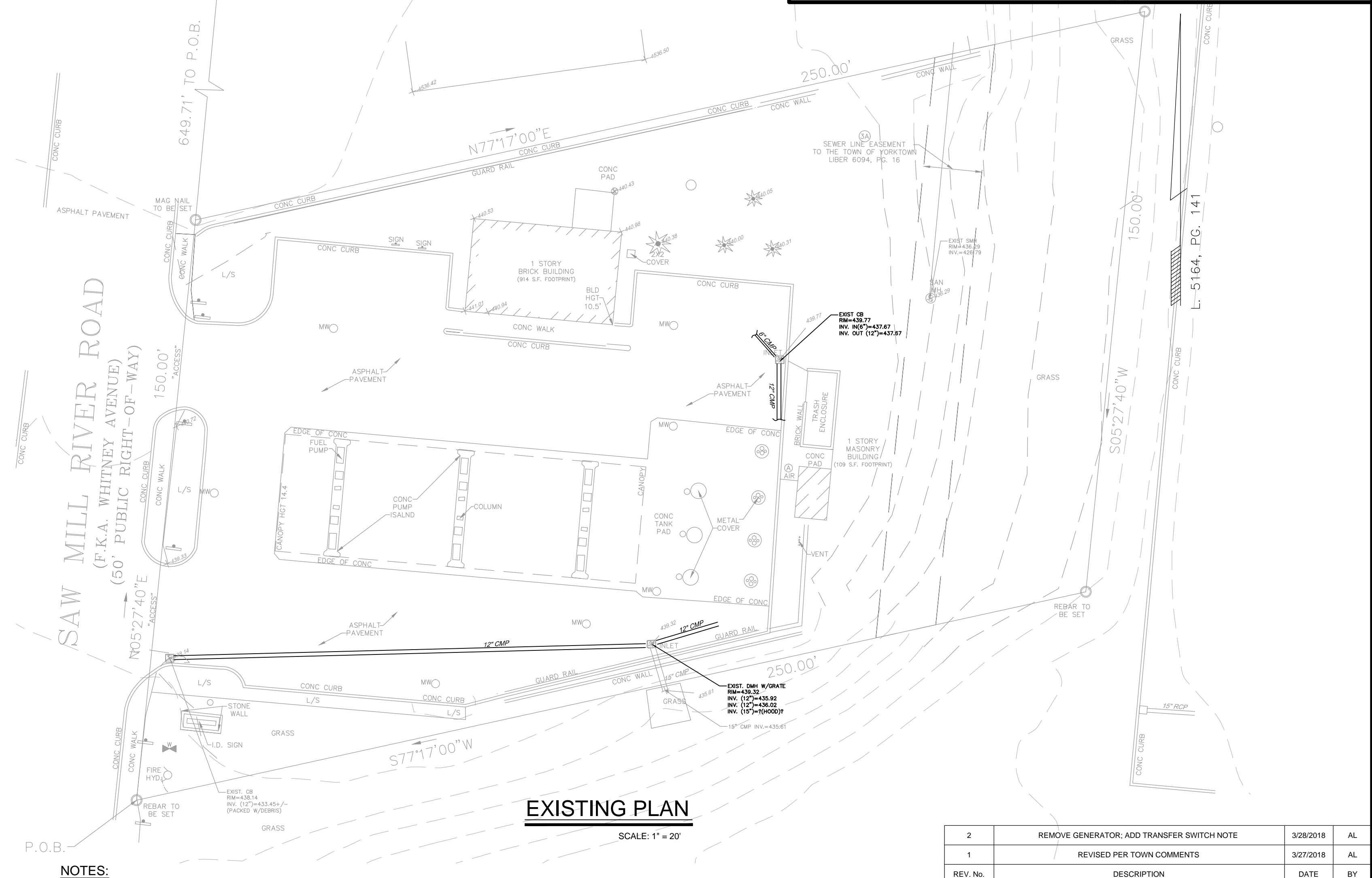
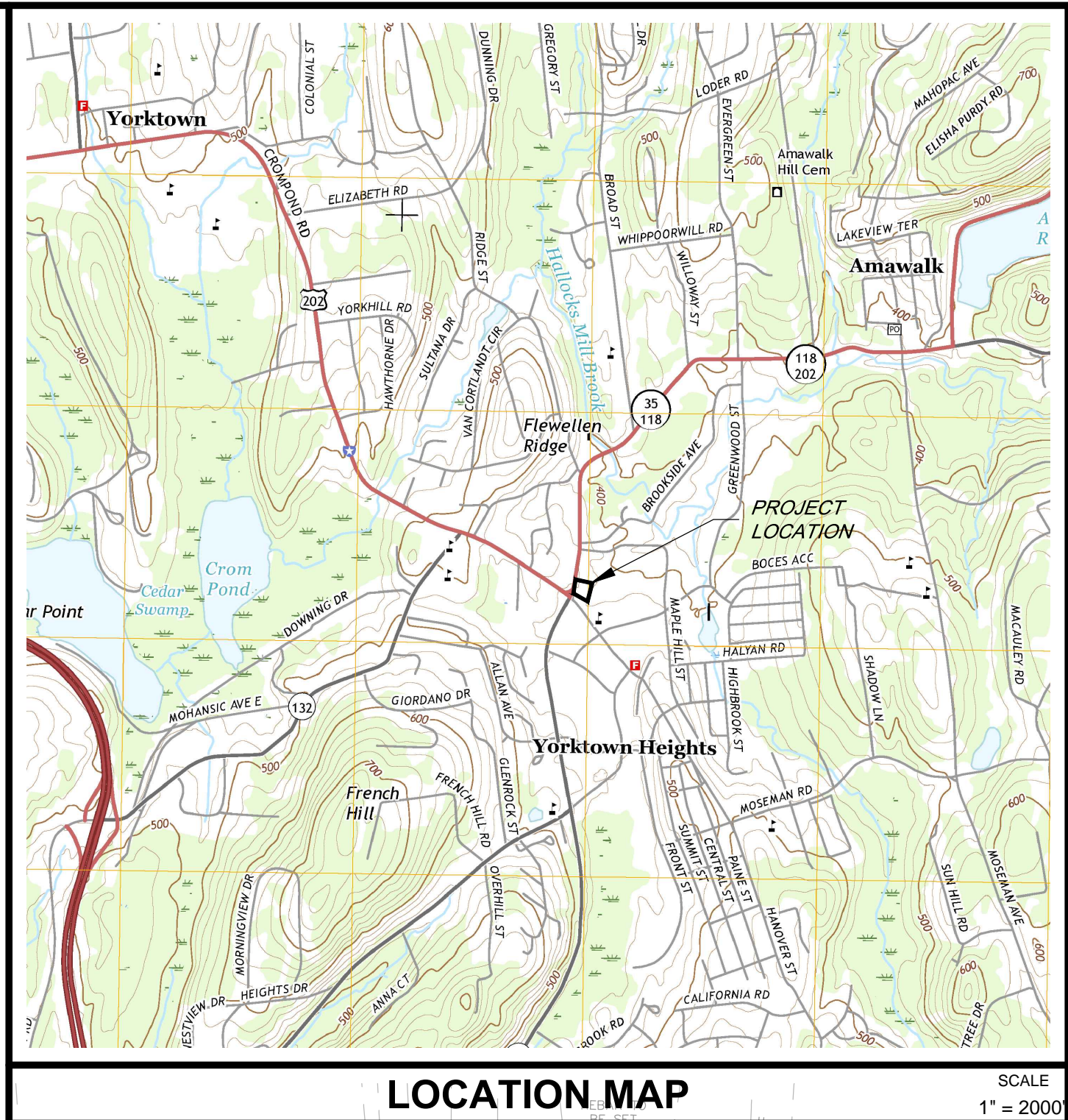
PLANT MATERIALS LIST

I.D.	SHRUBS & TREES	Size	Quantity
(Symbol)	Inkberry Holly (<i>Ilex glabra</i>)	3 Gal. Container	3
(Symbol)	Winterberry (<i>Ilex verticillata</i>)	3 Gal. Container	3
(Symbol)	American Arborvitae (<i>Thuja occidentalis</i>)	6-12" BARE ROOT, 3" SPACING	14

NOTES:
PLANTINGS ARE TO BE MAINTAINED AND REPLACED AS NECESSARY BY THE OWNER/APPLICANT.

LEGEND

- EXISTING SPOT GRADE
- PROPOSED DRAINAGE FLOW
- PROPOSED CURB INLET
- PROPOSED DRAINAGE MANHOLE
- PROPOSED SPOT GRADE/CURB ELEV.
- PROPOSED BUILDING
- PROPOSED INLET PROTECTION
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- PROPOSED SILT FENCE
- PROPOSED DRAINAGE
- PROPOSED DRAINAGE
- PROPOSED CURB
- PROPOSED WATER SERVICE
- PROPOSED SEWER LATERAL
- LIMIT OF DISTURBANCE



- NOTES:**
- SITE PLAN GPS COORDINATES FOR THE DRIVEWAY CENTERLINE AT ITS JUNCTION WITH THE STATE HIGHWAY: NAD83 NEW YORK STATE PLANES, EAST ZONE, US FOOT
 - ENTRANCE (SOUTH) NORTHING: 4570243.212
EASTING: 601947.818
 - EXIT (NORTH) NORTHING: 4570265.415
EASTING: 601947.506
 - ALL EXCAVATED MATERIAL SHALL BE REMOVED FROM THE SITE UNLESS A NEW GRADING PLAN IS SUBMITTED AND APPROVED BY THE TOWN ENGINEER.
 - A TRANSFER SWITCH WITH APPROPRIATE CONNECTIONS WILL BE PROVIDED ON THE EXTERIOR OF THE PROPOSED BUILDING TO ALLOW A TRAILER MOUNTED EMERGENCY GENERATOR TO POWER THE ENTIRE SITE DURING AN EXTENDED POWER OUTAGE.

- SEWER PROTECTION NOTES:**
- THE EXISTING SEWER LINE SHALL BE INSPECTED WITH A PIPE LINE CAMERA BY TOWN STAFF PRIOR TO AND AFTER COMPLETION OF CONSTRUCTION.
 - THE EXISTING SEWER LINE SHALL NOT BE EXPOSED DURING BUILDING FOUNDATION CONSTRUCTION.
 - NO EQUIPMENT SHALL BE POSITIONED ON THE EXISTING SEWER MANHOLE.
 - HAND EXCAVATE WITHIN 5 FEET OF THE EXISTING MANHOLE.

REV. No.	DESCRIPTION	DATE	BY
2	REMOVE GENERATOR; ADD TRANSFER SWITCH NOTE	3/28/2018	AL
1	REVISED PER TOWN COMMENTS	3/27/2018	AL

MOBIL GAS STATION STORE
TOWN OF YORKTOWN WESTCHESTER COUNTY, NY

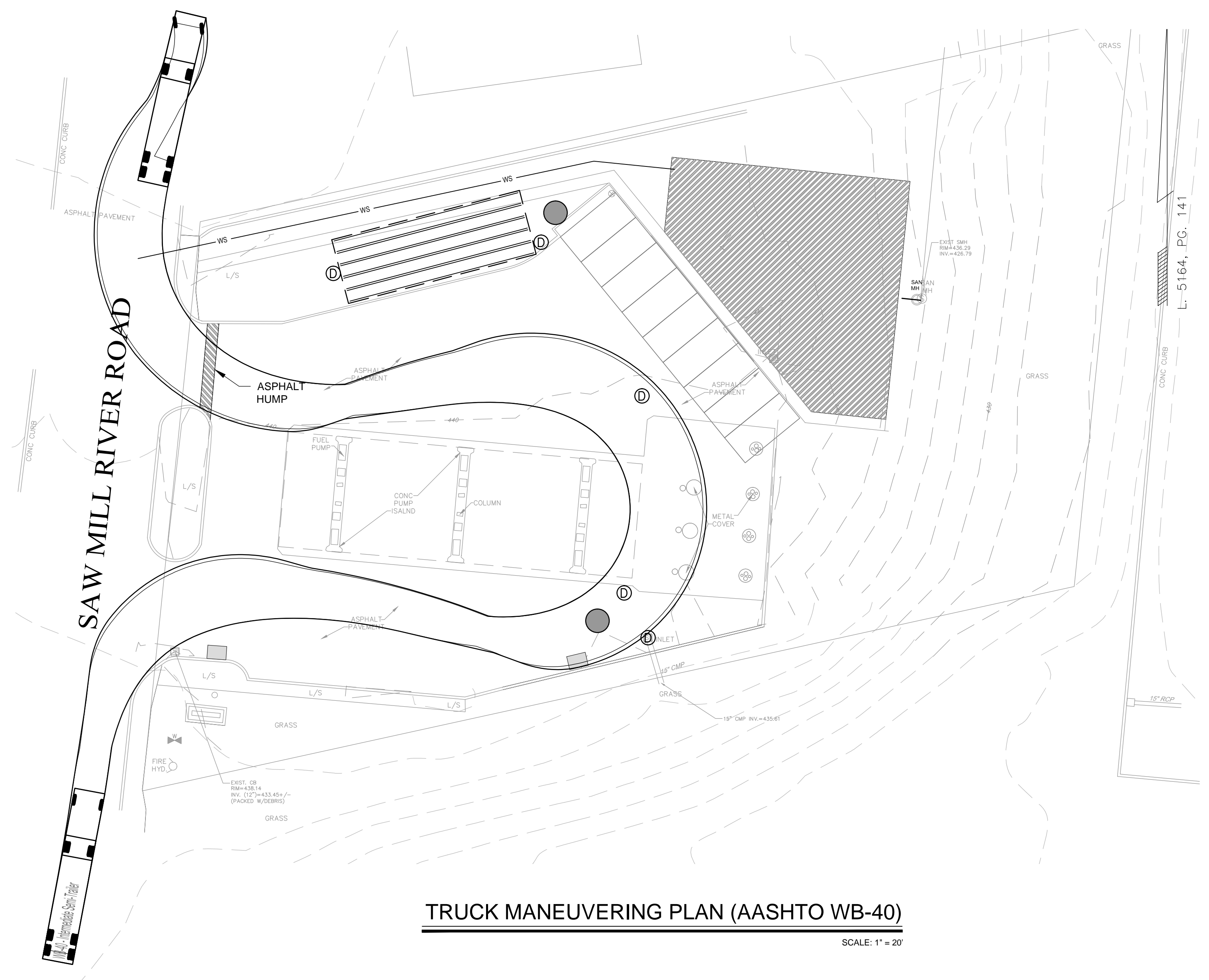
UTILITY, GRADING, EROSION & SEDIMENT CONTROL PLANS

MORRIS ASSOCIATES,
ENGINEERING & SURVEYING CONSULTANTS, PLLC
9 Elks Lane, Poughkeepsie, New York 12601
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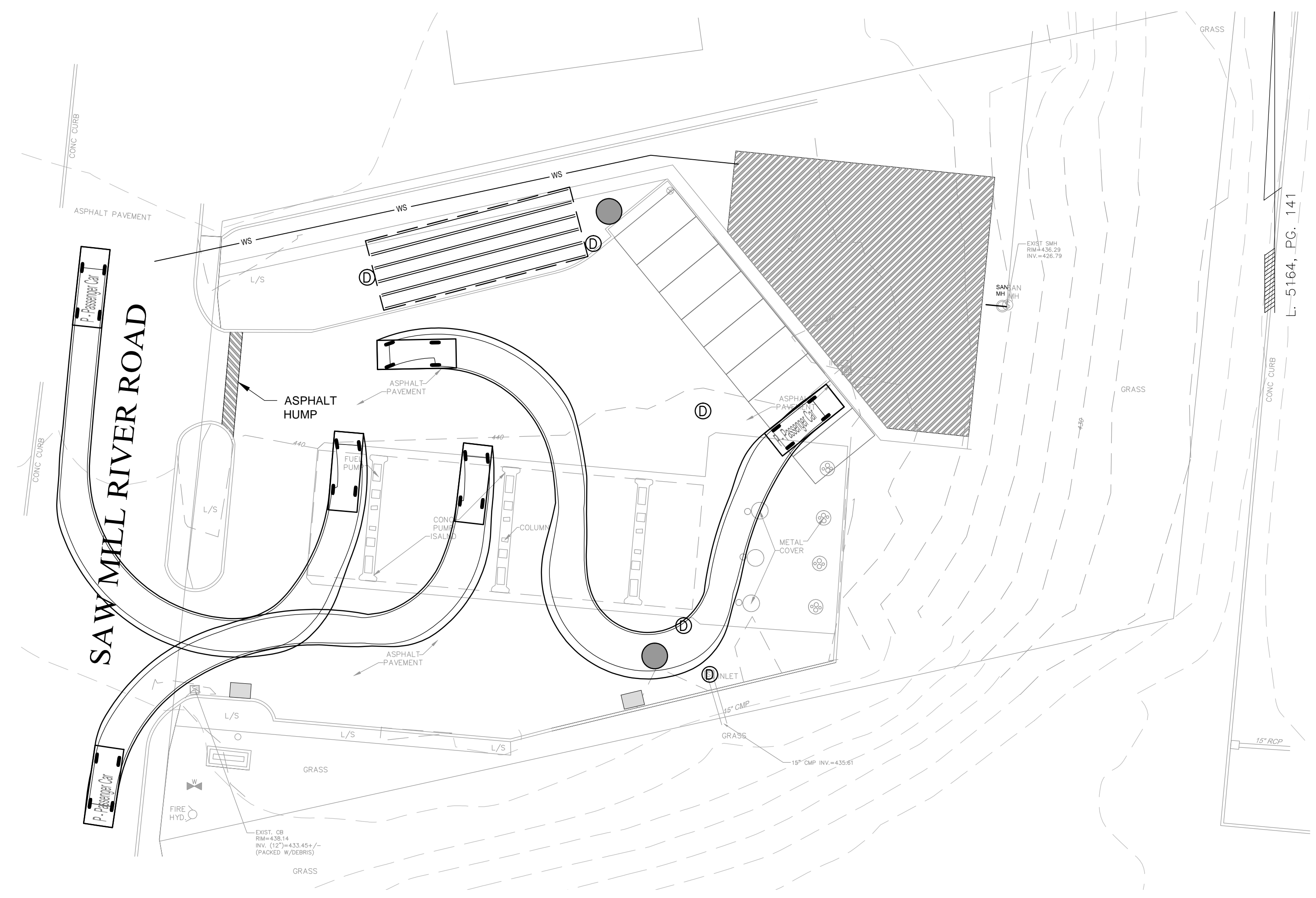
DATE	SCALE	DESIGNED BY	FILE No.	DRAWING No.
11/30/2017	1"=20'	AL	214098	4 OF 8

SP-200

Drawing Name: H:\Sdsk\Proj\214098-CPD-Saw Mill River\dwg/Vehicle-Maneuvering-Plan_SP-300.dwg
 Xrefs Attached: SITE PLAN: 092 CAD-Svy; X-BORDER: 687890
 Date Printed: Mar 27, 2018, 1:51pm



TRUCK MANEUVERING PLAN (AASHTO WB-40)
 SCALE: 1" = 20'



CAR MANEUVERING PLAN
 SCALE: 1" = 20'

REV. No.	DESCRIPTION	DATE	BY
A	REVISED PER TOWN COMMENTS	3/27/2018	AL

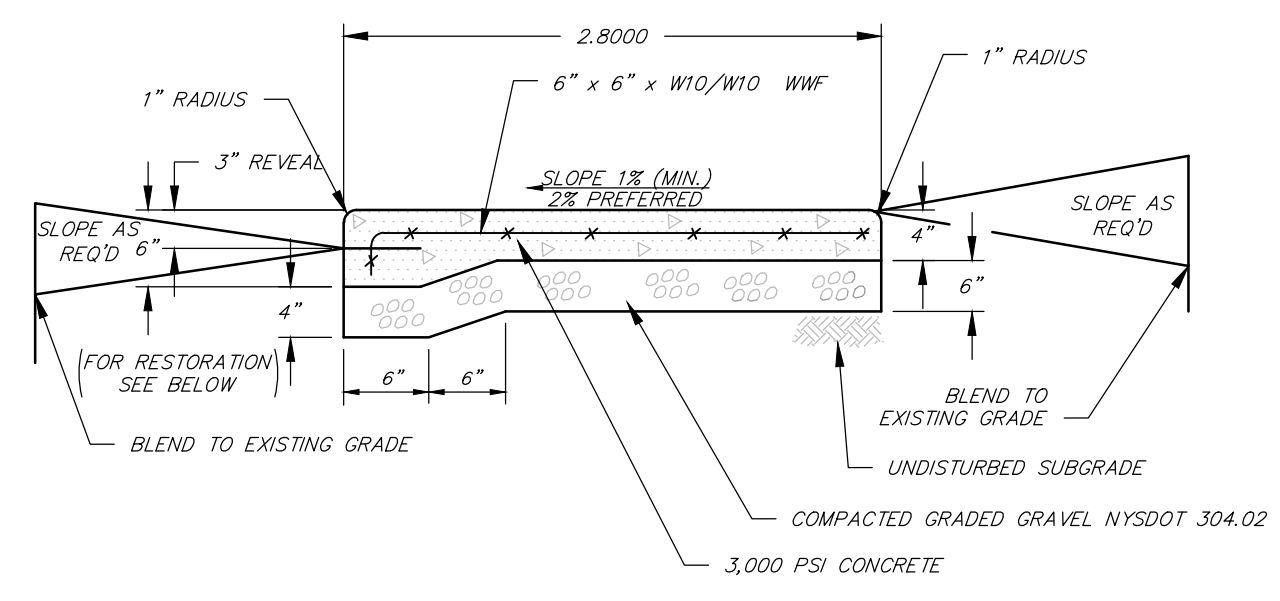
IT IS A VIOLATION OF NEW YORK STATE EDUCATION LAW FOR ANY PERSON TO ALTER THESE PLANS, SPECIFICATIONS OR REPORTS IN ANY WAY, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER.

MOBIL GAS STATION STORE
 TOWN OF YORKTOWN WESTCHESTER COUNTY, NY

VEHICLE MANEUVERING PLAN

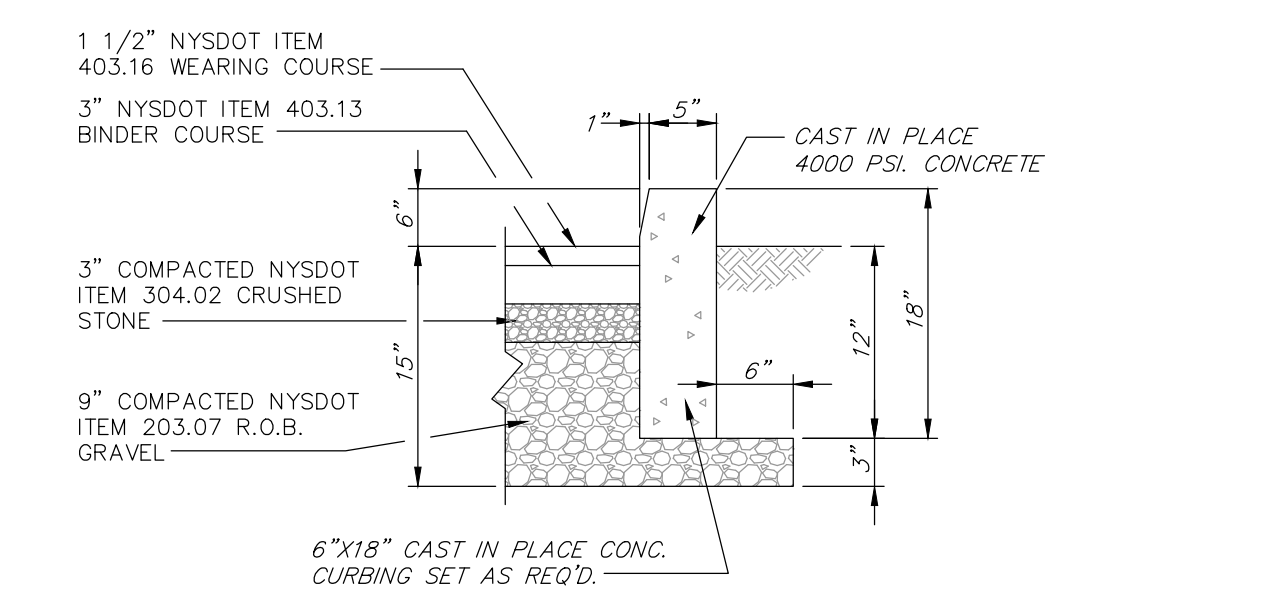
MORRIS ASSOCIATES,
 ENGINEERING & SURVEYING CONSULTANTS, PLLC
 9 Elks Lane, Poughkeepsie, New York 12601
 Phone No. (845) 454-3411 Fax No. (845) 473-1962
 64 Green Street - Suite 1, Hudson, New York 12534
 Phone No. (518) 828-2300 Fax No. (518) 828-3963

DATE	SCALE	DESIGNED BY	FILE No.	DRAWING NO.
11/30/2017	1"=20'	AL	214098	5 OF 8



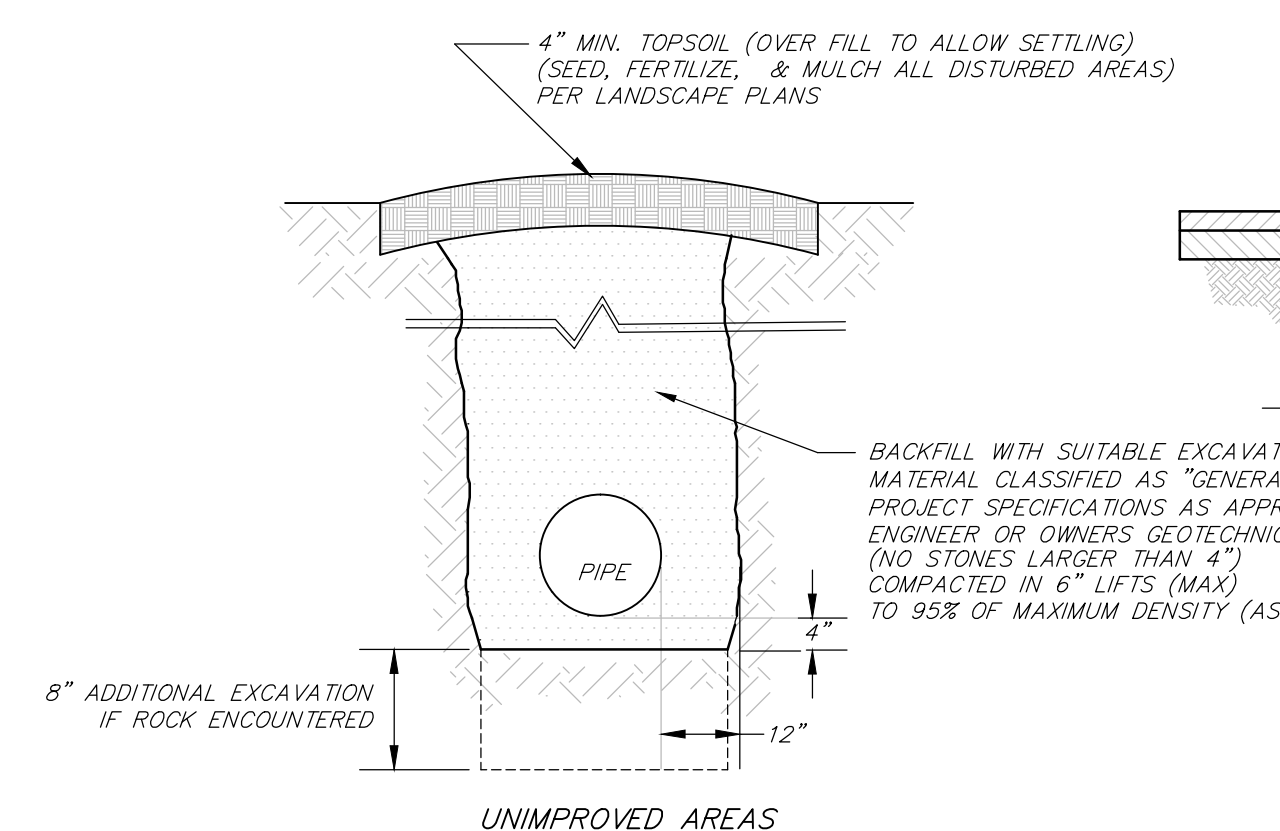
CONCRETE SIDEWALK DETAIL

NOTE:
 PROVIDE TOOLED JOINTS AT 48" ON CENTER
 PROVIDE 1/2" EXP. JOINT MATERIAL AT 12" ON CENTER



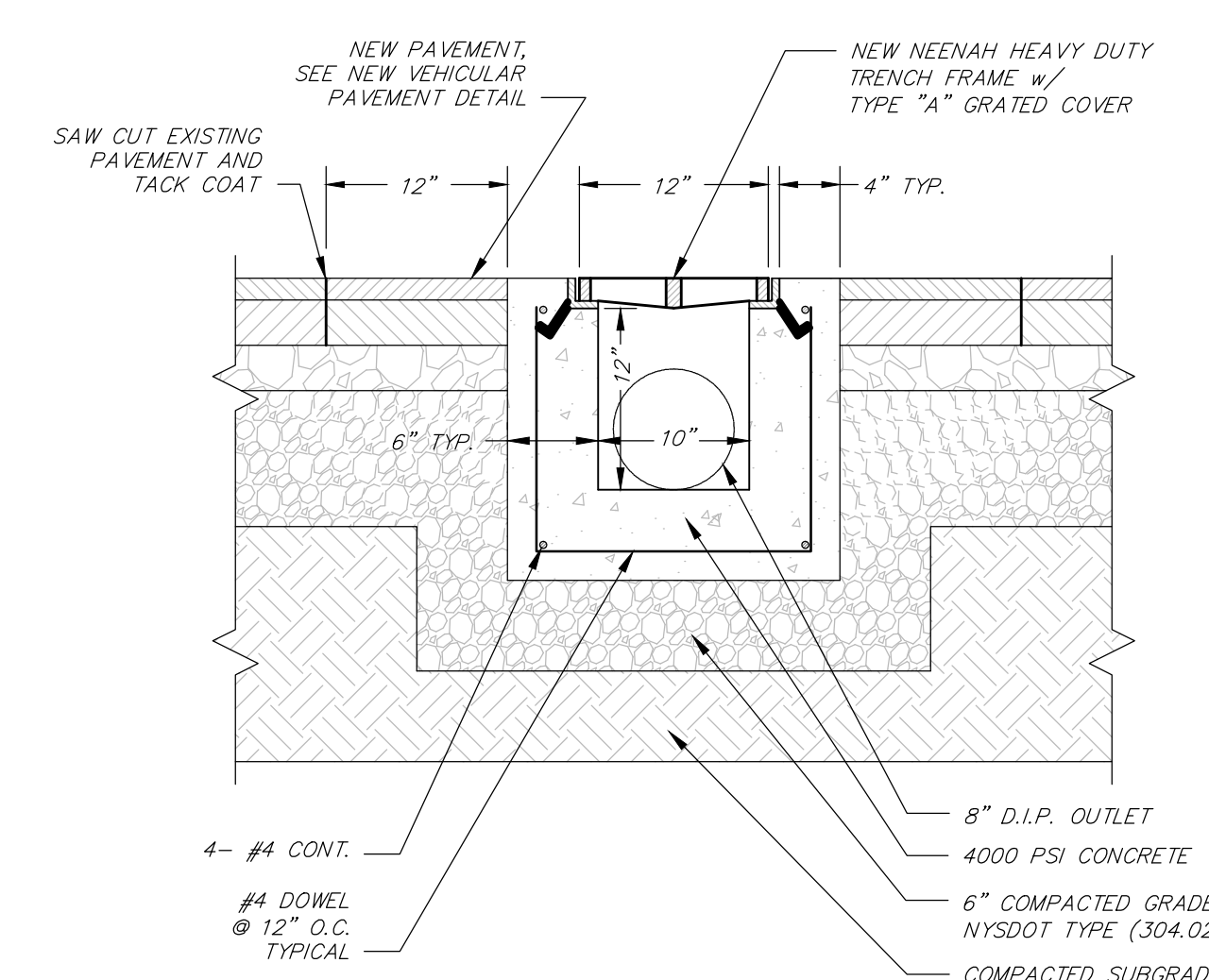
TYP. CAST-IN-PLACE CONCRETE CURB DETAIL

N.T.S.



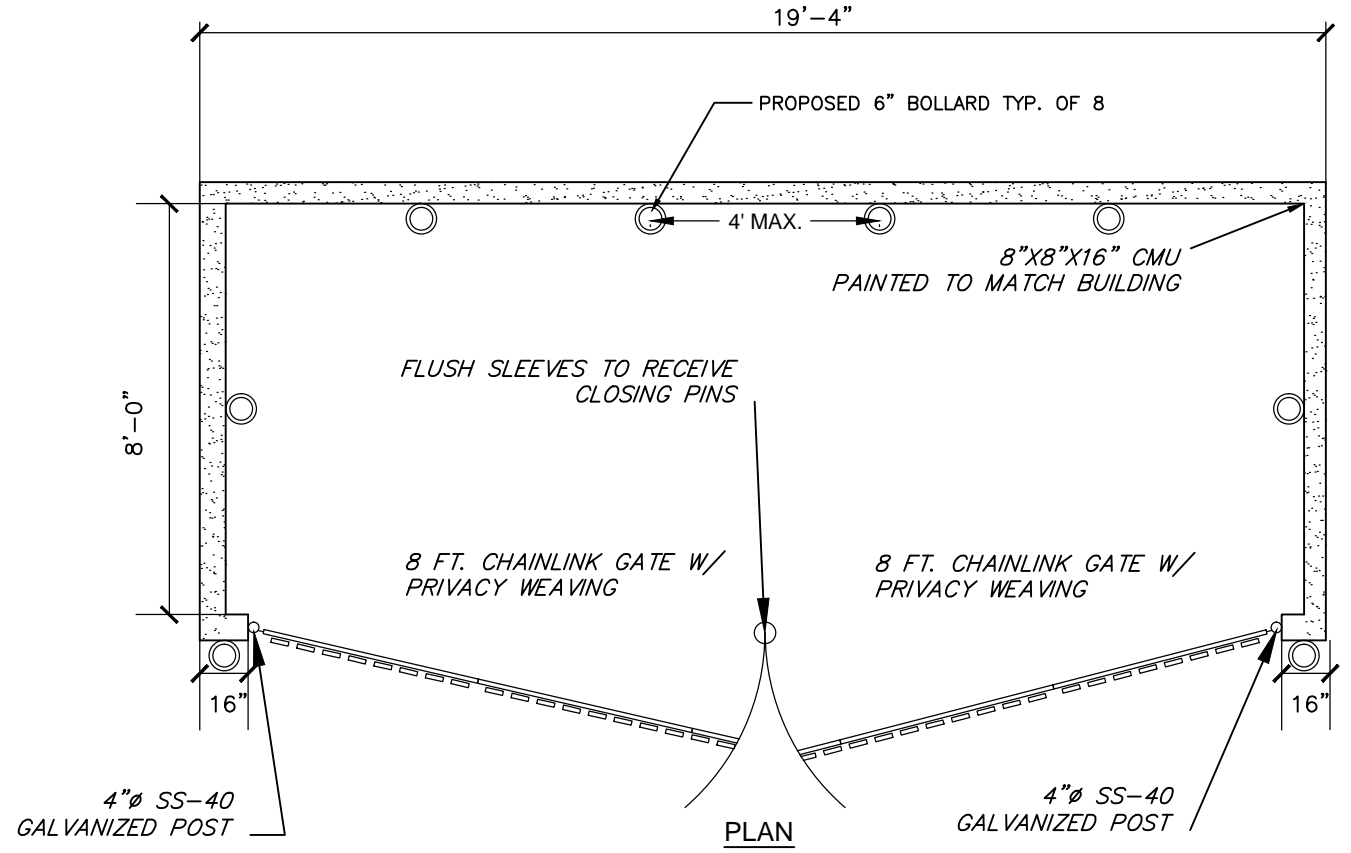
STORM DRAINAGE TRENCH DETAIL

NOTE:
 EXCAVATING OVER 5' REQUIRES SHEETING/SHORING OR OVER EXCAVATION OF TRENCH SIDE WALLS PER OSHA.



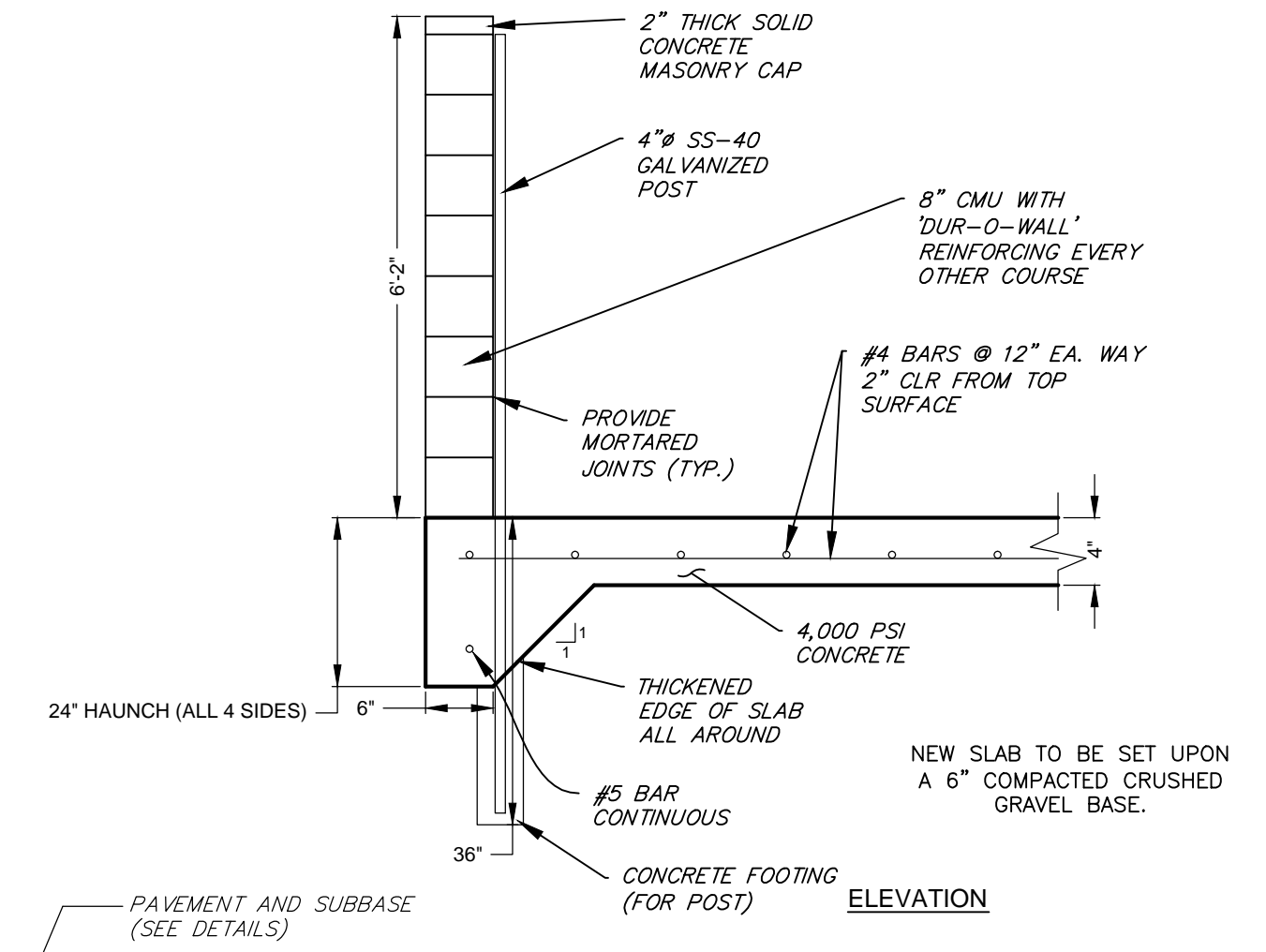
HEAVY DUTY TRENCH DRAIN DETAIL

N.T.S.



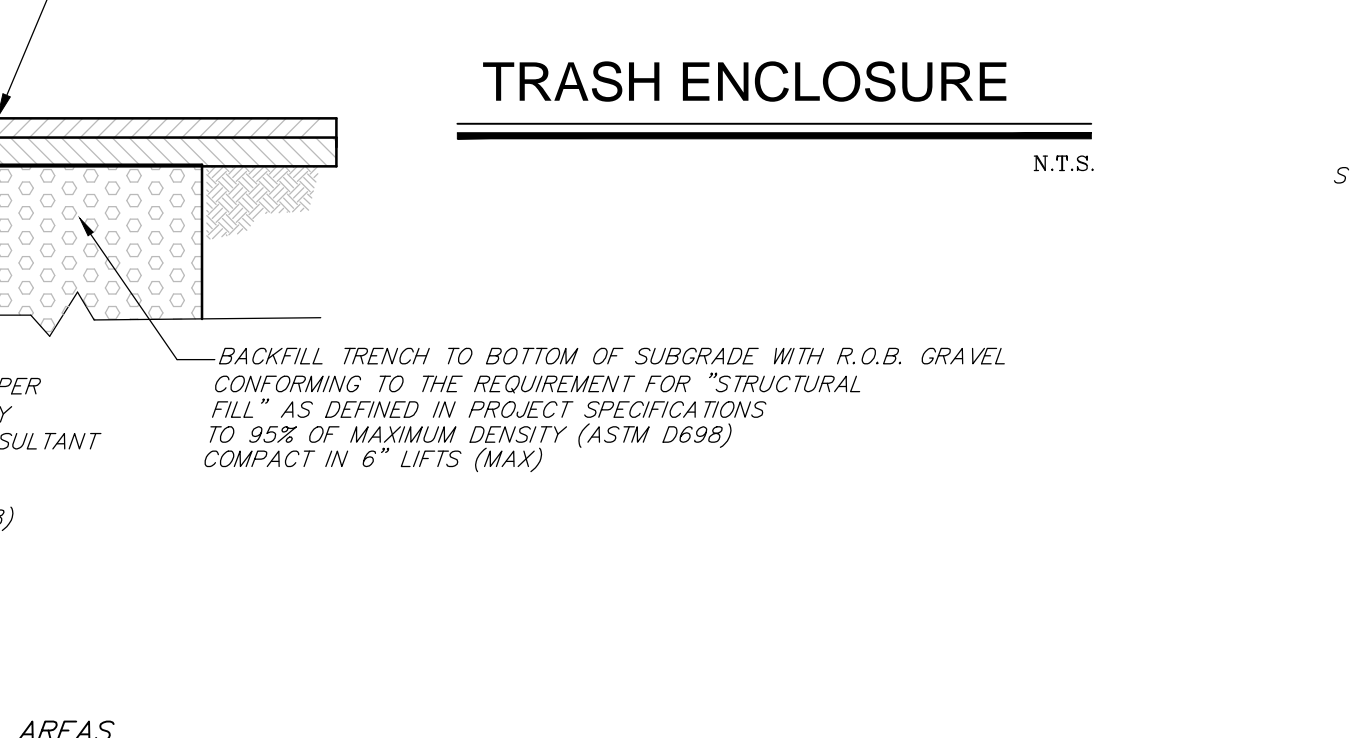
TRASH ENCLOSURE

N.T.S.



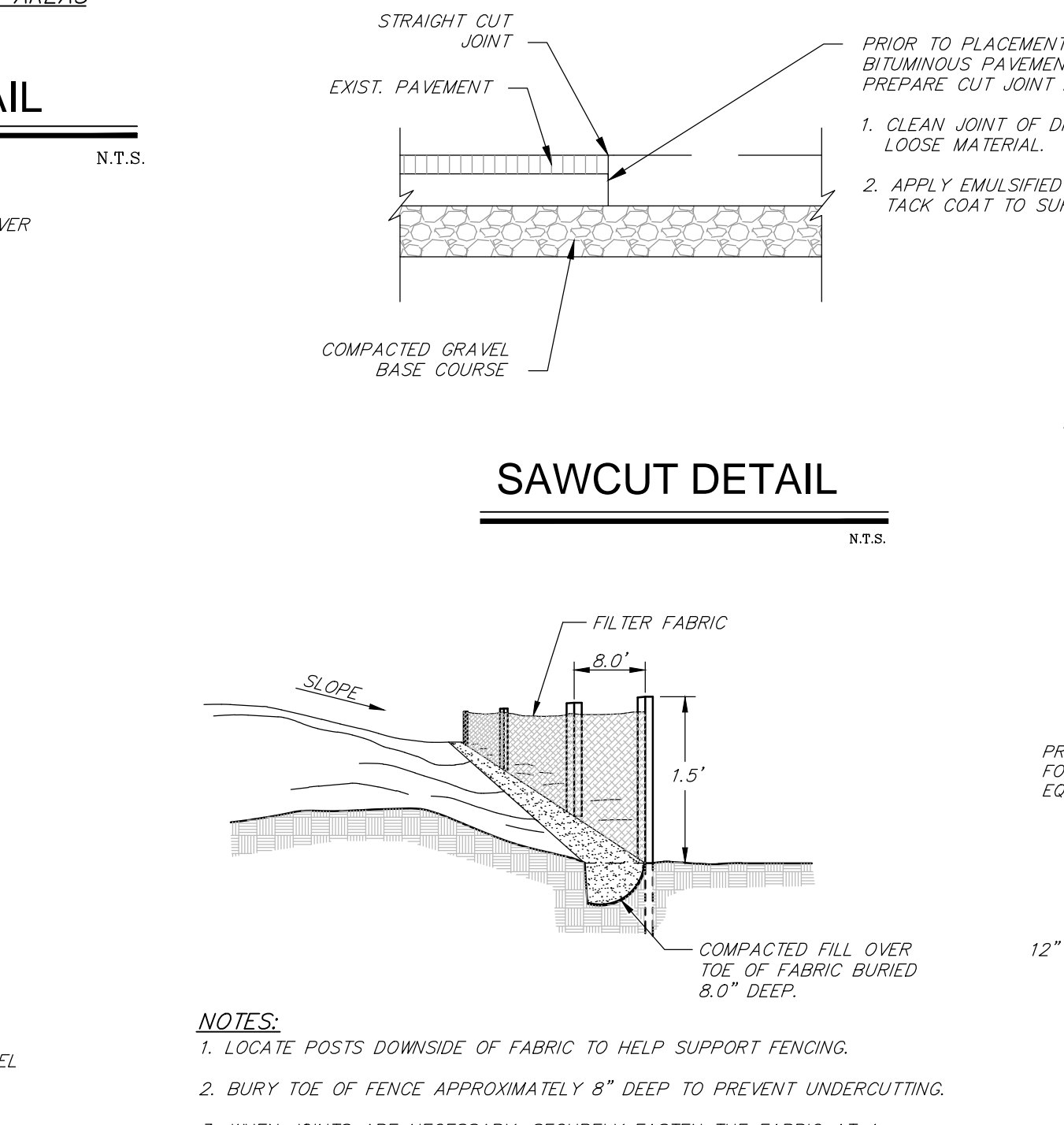
TYPICAL BASIN DETAIL

N.T.S.



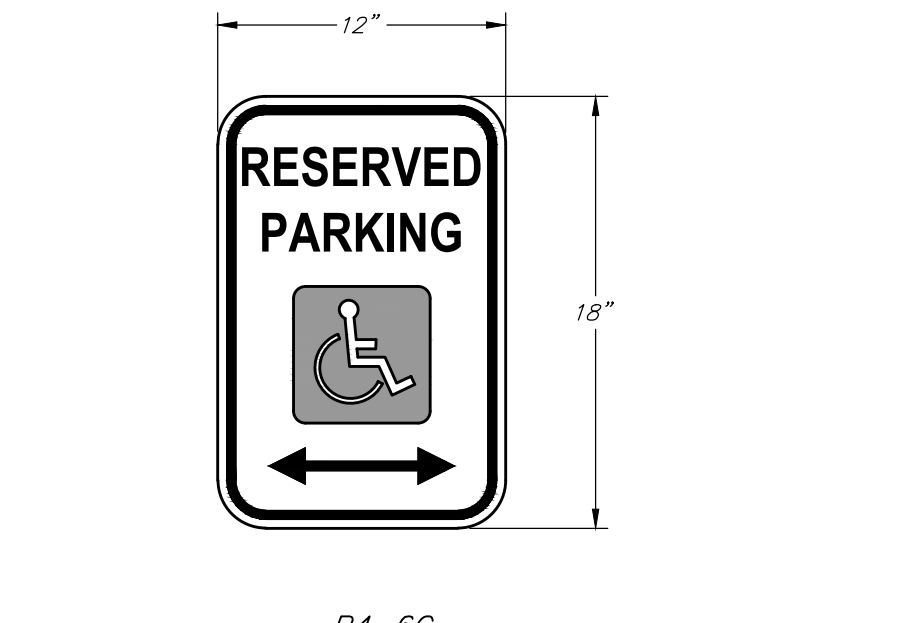
SAWCUT DETAIL

N.T.S.



TYPICAL SILT FENCE DETAIL

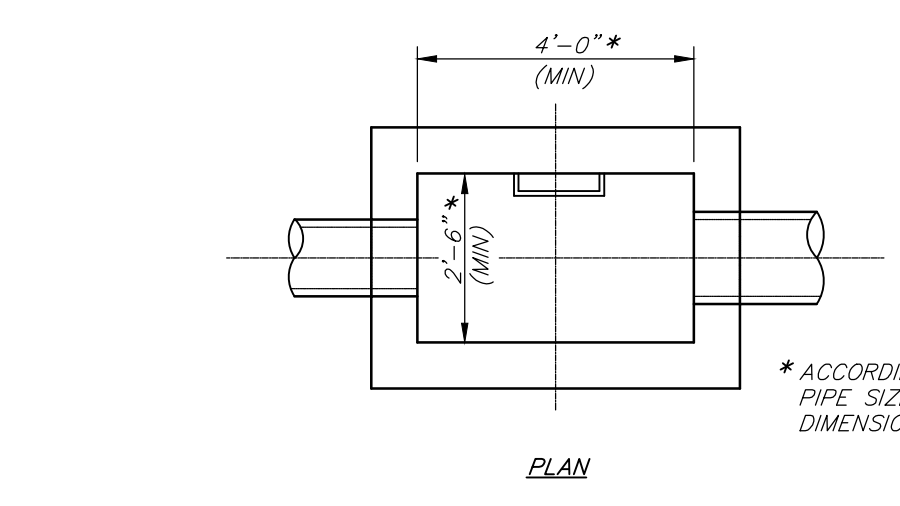
N.T.S.



HANDICAP PARKING SIGN

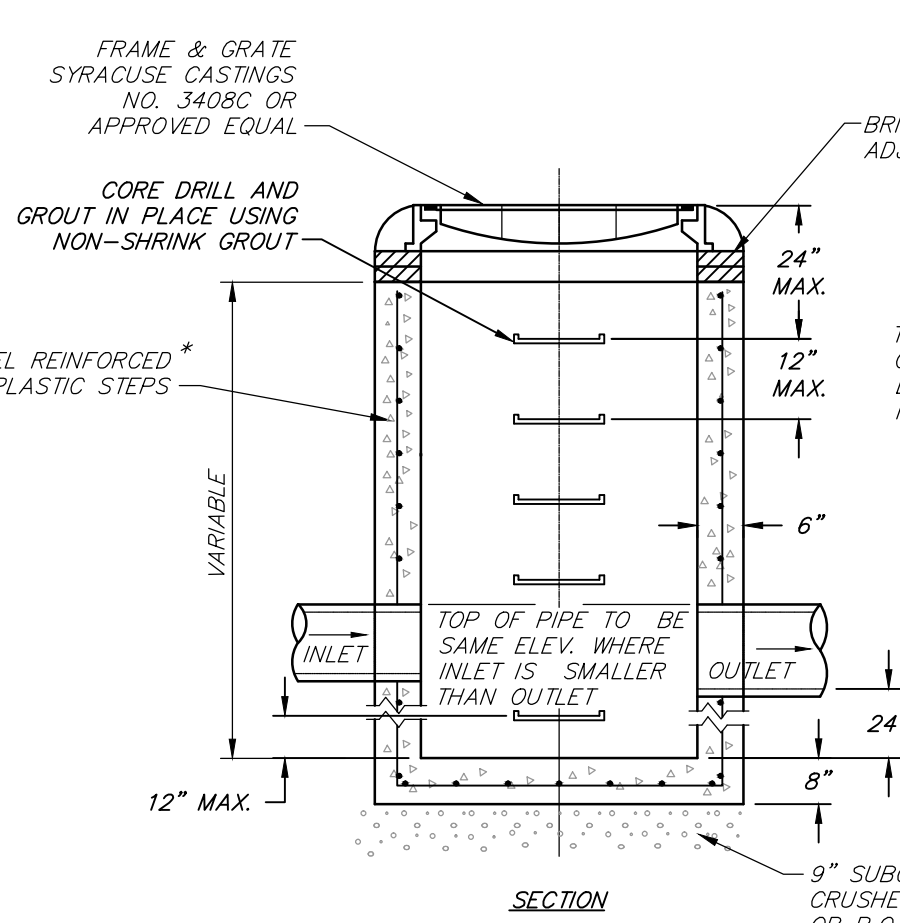
N.T.S.

NOTES:
 THE P4-6 SIGN SHALL HAVE GREEN LEGEND, EXCEPT THAT THE DISABLED PERSON SYMBOL SHALL HAVE WHITE LEGEND ON A BLUE BACKGROUND. WHERE USED TO IDENTIFY A SINGLE MARKED PARKING SPACE, THE ARROW MAY BE OMITTED.



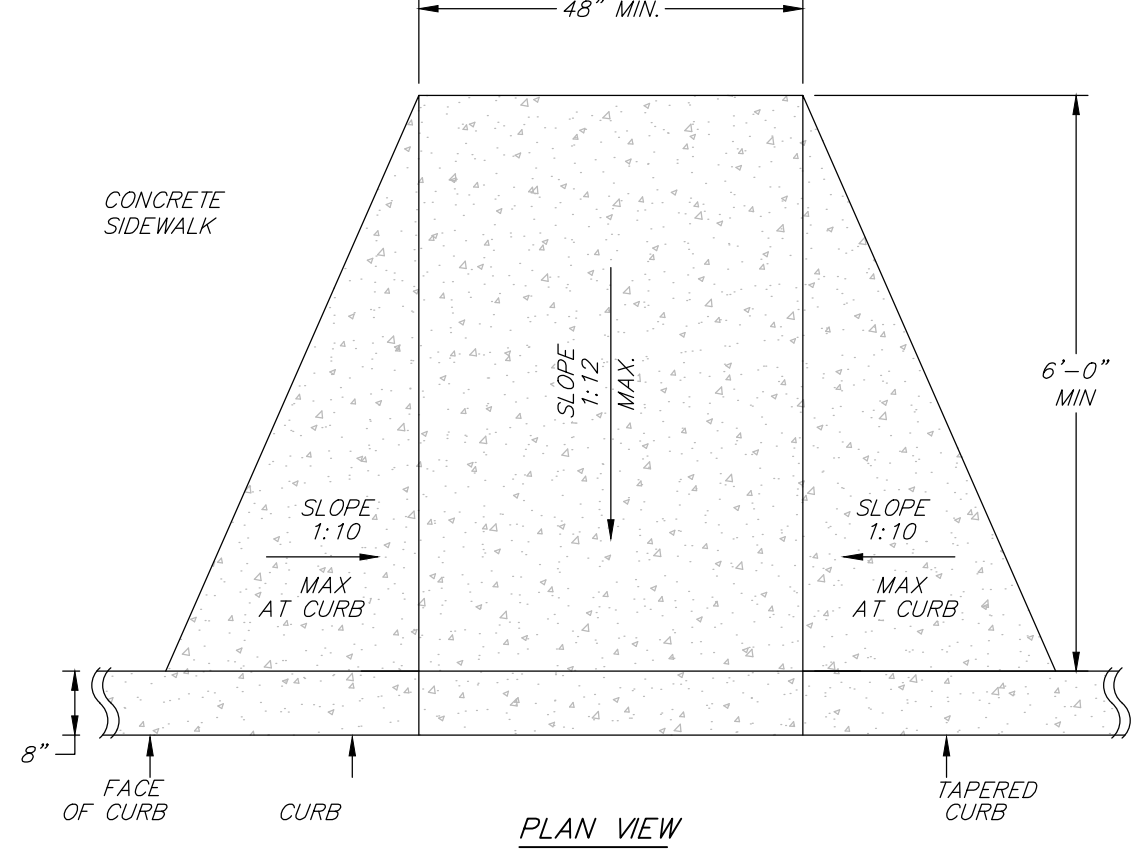
TYPICAL PAVEMENT DETAIL

N.T.S.



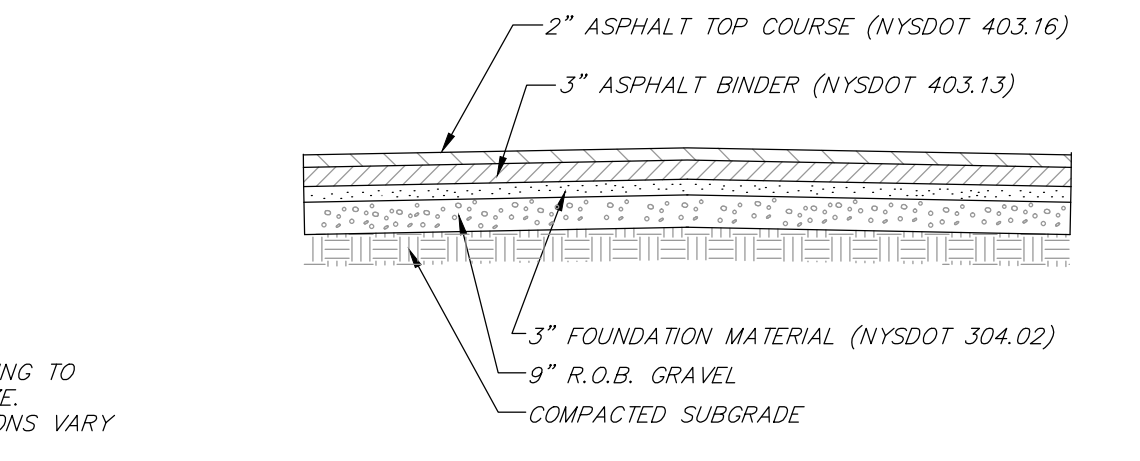
TYPICAL STORM MANHOLE DETAIL

N.T.S.



SIDEWALK HANDICAP ACCESS

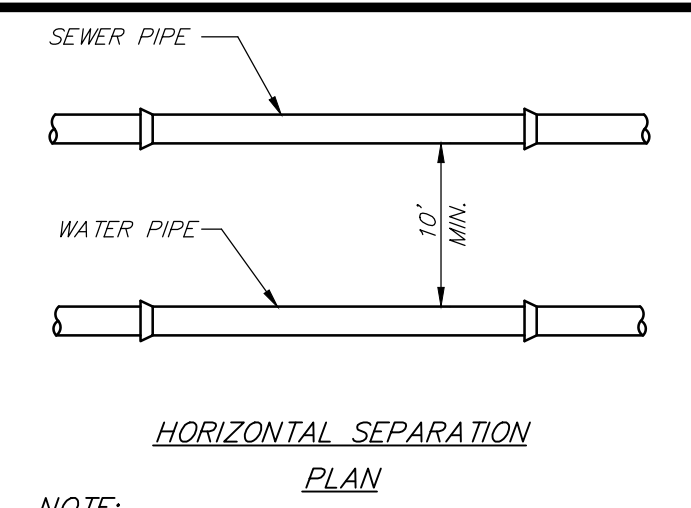
N.T.S.



TYPICAL PAVEMENT DETAIL

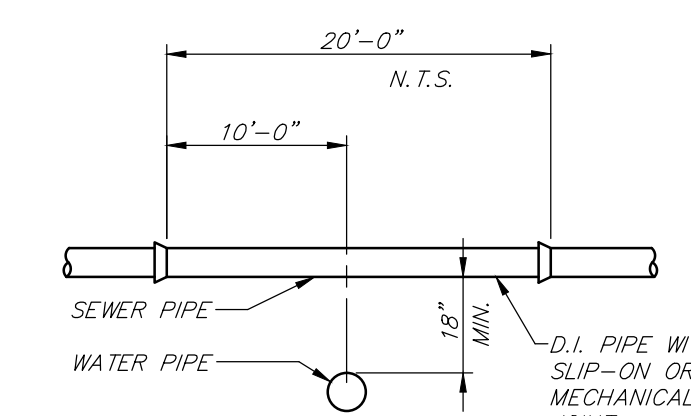
N.T.S.

NOTE:
 CONTRACTOR TO PROVIDE ENGINEER WITH GRAVEL BANK SOURCE PRIOR TO INSTALLATION FOR REVIEW AND APPROVAL.

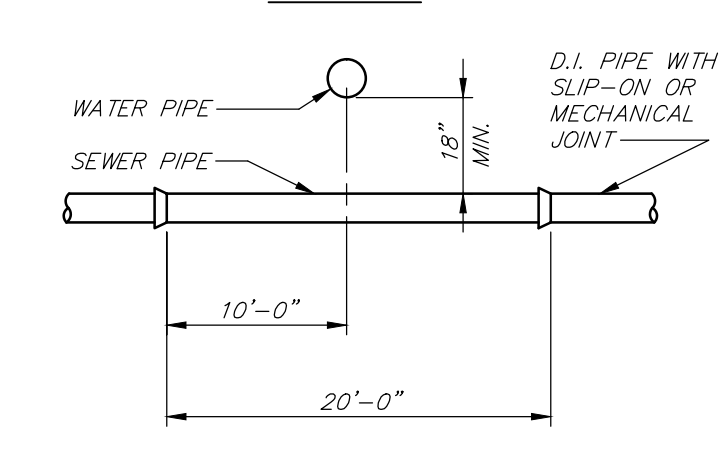


HORIZONTAL SEPARATION PLAN

NOTE:
 WATER PIPE SHALL BE ON BENCH OF UNDISTURBED SOIL IF IN THE SAME TRENCH AS SEWER PIPE.



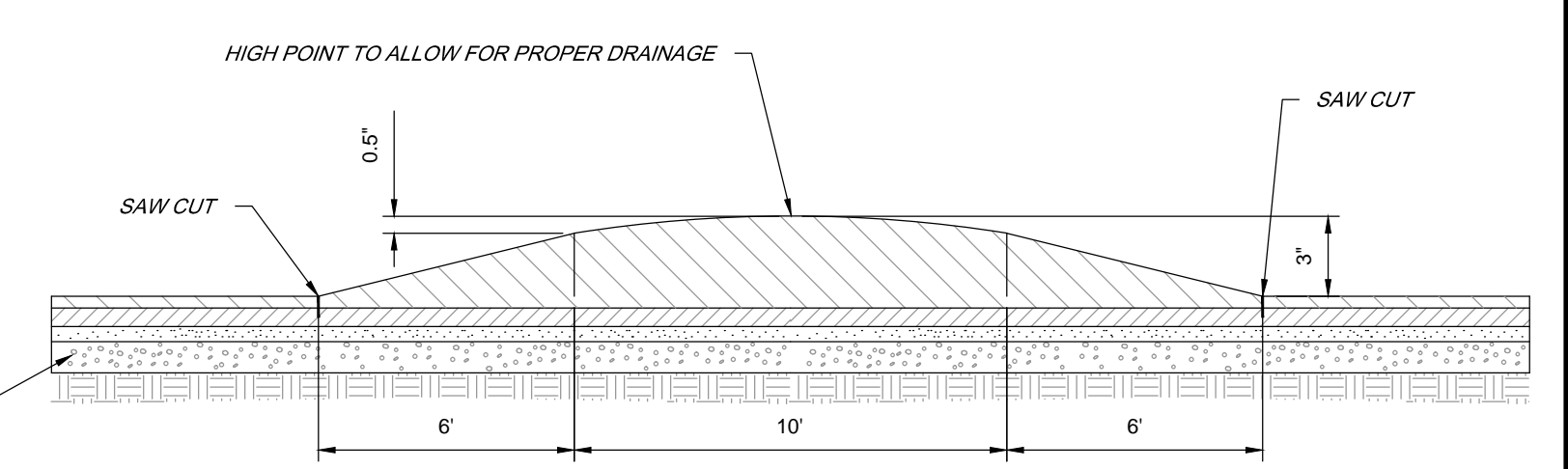
WATER MAIN CROSSING ELEVATION



CROSSING UNDER WATER MAIN ELEVATION (PREFERRED OPTION)

SEWER AND WATER CROSSING DETAIL

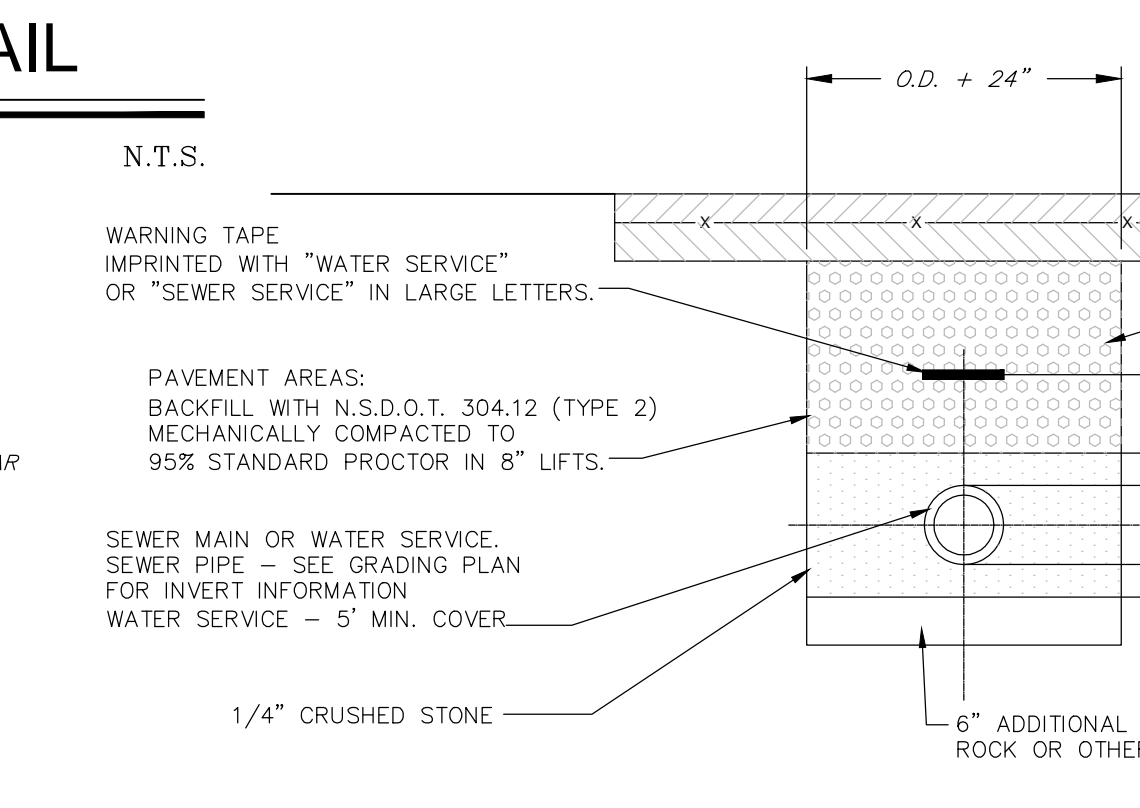
N.T.S.



ASPHALT HUMPH

N.T.S.

NOTE:
 SPEED HUMP SHALL CONFORM TO ITS GUIDELINES IN ADDITION TO ANY FEDERAL, STATE, AND LOCAL REQUIREMENTS.



TYPICAL ON-SITE WATER / SEWER TRENCH DETAIL

N.T.S.

REV. No.	DESCRIPTION	DATE	BY
A	REVISED PER TOWN COMMENTS	3/27/2018	AL

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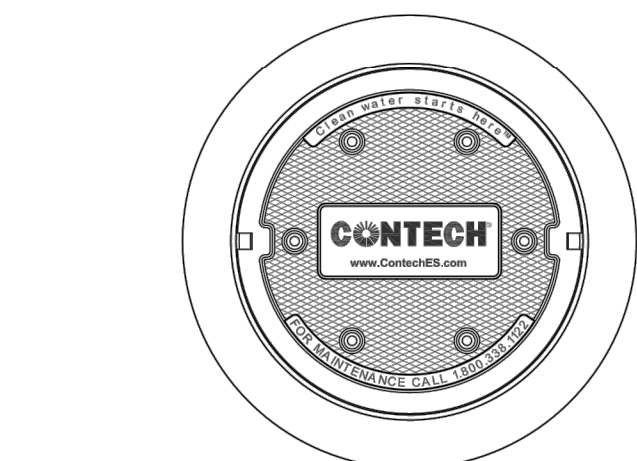
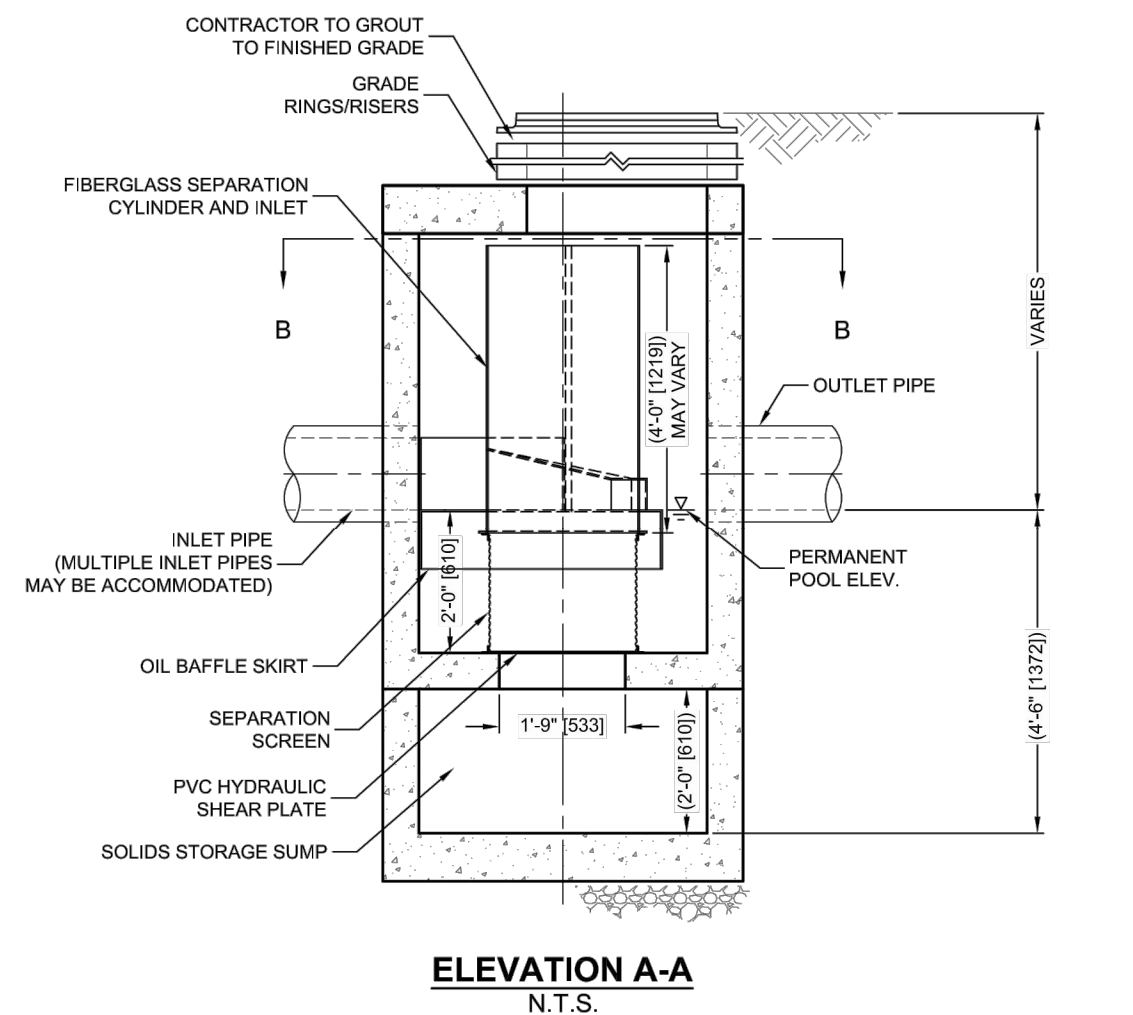
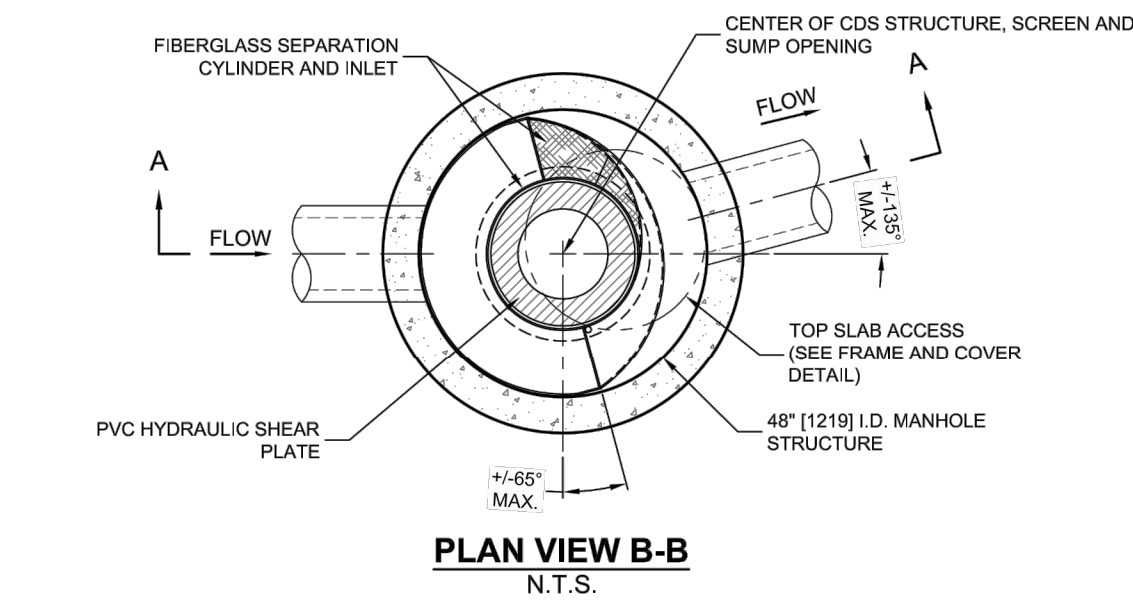
SITE DETAILS

MORRIS ASSOCIATES, ENGINEERING & SURVEYING CONSULTANTS, PLLC
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DATE	SCALE	DESIGNED BY	FILE No.	DRAWING No.
11/30/2017	AS SHOWN	AL	214098	6 OF 8

CDS-4-C (CDS2015-4) DESIGN NOTES

CDS-4-C (CDS2015-4) RATED TREATMENT CAPACITY IS 0.93 CFS. IF THE SITE CONDITIONS EXCEED MAXIMUM HYDRAULIC INTERNAL BYPASS CAPACITY, AN UPSTREAM BYPASS STRUCTURE IS REQUIRED.



FRAME AND COVER (DIAMETER VARIES) N.T.S.

SITE SPECIFIC DATA REQUIREMENTS			
STRUCTURE ID			
WATER QUALITY FLOW RATE (CFS OR L/s)	*		
PEAK FLOW RATE (CFS OR L/s)	*		
RETURN PERIOD OF PEAK FLOW (YRS)	*		
SCREEN APERTURE (2400)	*		
PIPE DATA	I.E.	MAT'L	DIA.
INLET PIPE 1	*	*	*
INLET PIPE 2	*	*	*
OUTLET PIPE	*	*	*
RIM ELEVATION	*		
ANTI-FLOTATION BALLAST		WIDTH	HEIGHT
NOTES/SPECIAL REQUIREMENTS:			
* PER ENGINEER OF RECORD			

GENERAL NOTES

- CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
- DIMENSIONS MARKED WITH () ARE REFERENCE DIMENSIONS. ACTUAL DIMENSIONS MAY VARY.
- FOR FABRICATION DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHTS, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE. www.contechES.com
- CDS WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING.
- STRUCTURE SHALL MEET AASHTO HS20 LOAD RATING, ASSUMING GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION. CASTINGS SHALL MEET HS20 (AASHTO M 306) AND BE CAST WITH THE CONTECH LOGO.
- IF REQUIRED, PVC HYDRAULIC SHEAR PLATE IS PLACED ON SHELF AT BOTTOM OF SCREEN CYLINDER. REMOVE AND REPLACE AS NECESSARY DURING MAINTENANCE CLEANING.

INSTALLATION NOTES

- ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
- CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE CDS MANHOLE STRUCTURE (LIFTING CLUTCHES PROVIDED).
- CONTRACTOR TO ADD JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS, AND ASSEMBLE STRUCTURE.
- CONTRACTOR TO PROVIDE, INSTALL, AND GROUT PIPES. MATCH PIPE INVERTS WITH ELEVATIONS SHOWN.
- CONTRACTOR TO TAKE APPROPRIATE MEASURES TO ASSURE UNIT IS WATER TIGHT, HOLDING WATER TO FLOWLINE INVERT MINIMUM. IT IS SUGGESTED THAT ALL JOINTS BELOW PIPE INVERTS ARE GROUTED.

CONTECH
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www.contechES.com
8025 Centre Pointe Dr., Suite 400, West Chester, OH 45069
800-338-1122 513-645-7000 513-645-7993 FAX

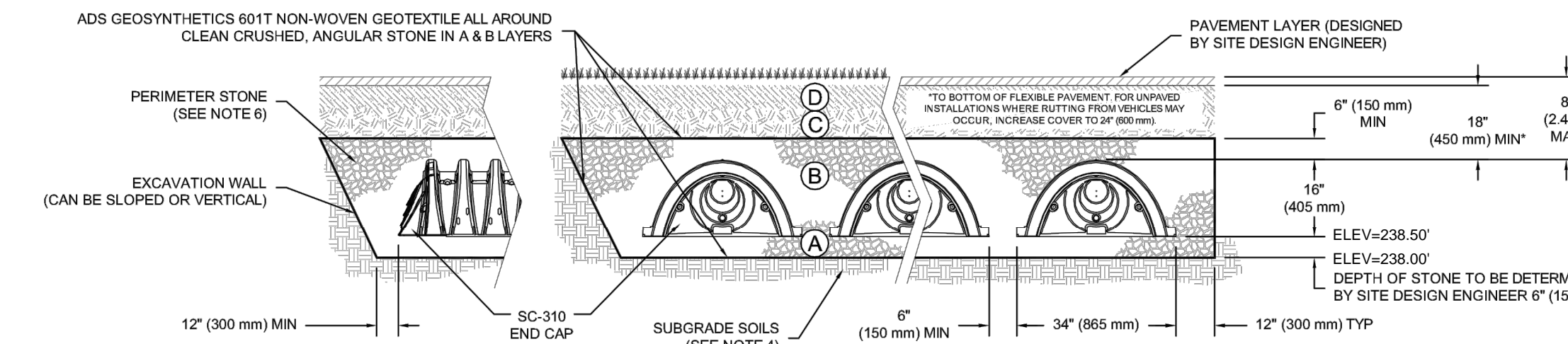
CDS-4-C (CDS2015-4)
ONLINE CDS
STANDARD DETAIL

ACCEPTABLE FILL MATERIALS: STORMTECH SC-310 CHAMBER SYSTEMS

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.	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT 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.	AASHTO M44S1 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.	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.	AASHTO M43 3, 357, 4, 467, 5, 56, 57	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE **

PLEASE NOTE:

- THE LISTED AASHTO 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 (AASHTO M43) STONE".
- STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 6" (150 mm) (MAX) LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.
- WHERE INFILTRATION SURFACES 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.



NOTES:

- SC-310 CHAMBERS SHALL CONFORM TO THE REQUIREMENTS OF ASTM F2418 "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS", OR ASTM F2922 "STANDARD SPECIFICATION FOR POLYETHYLENE (PE) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- SC-310 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- "ACCEPTABLE FILL MATERIALS" TABLE ABOVE PROVIDES MATERIAL LOCATIONS, DESCRIPTIONS, GRADATIONS, AND COMPACTION REQUIREMENTS FOR FOUNDATION, EMBEDMENT, AND FILL MATERIALS.
- 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.
- PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
- ONCE LAYER 'C' IS PLACED, ANY SOIL MATERIAL CAN BE PLACED IN LAYER 'D' 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.

SC-310 STANDARD CROSS SECTION

REV: 11/18/14

DRAWN: JLM

CHECKED: JLM

PROJECT #:

DATE: 11/18/14

DESIGNED BY: AL

FILE NO: 214098

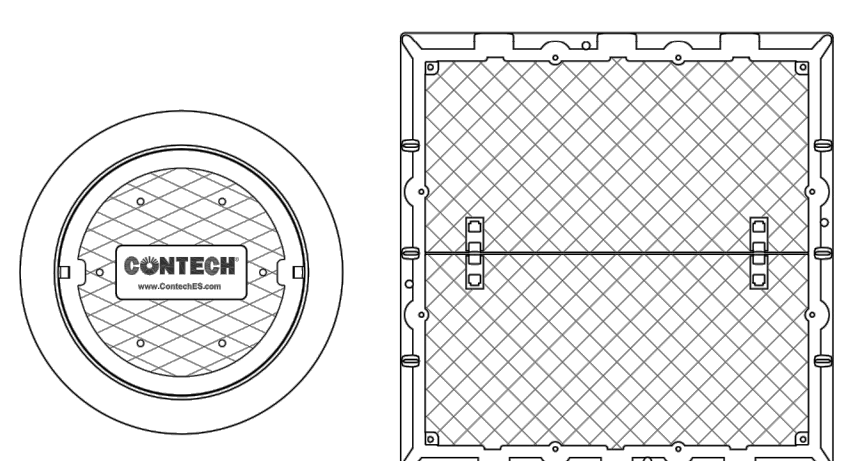
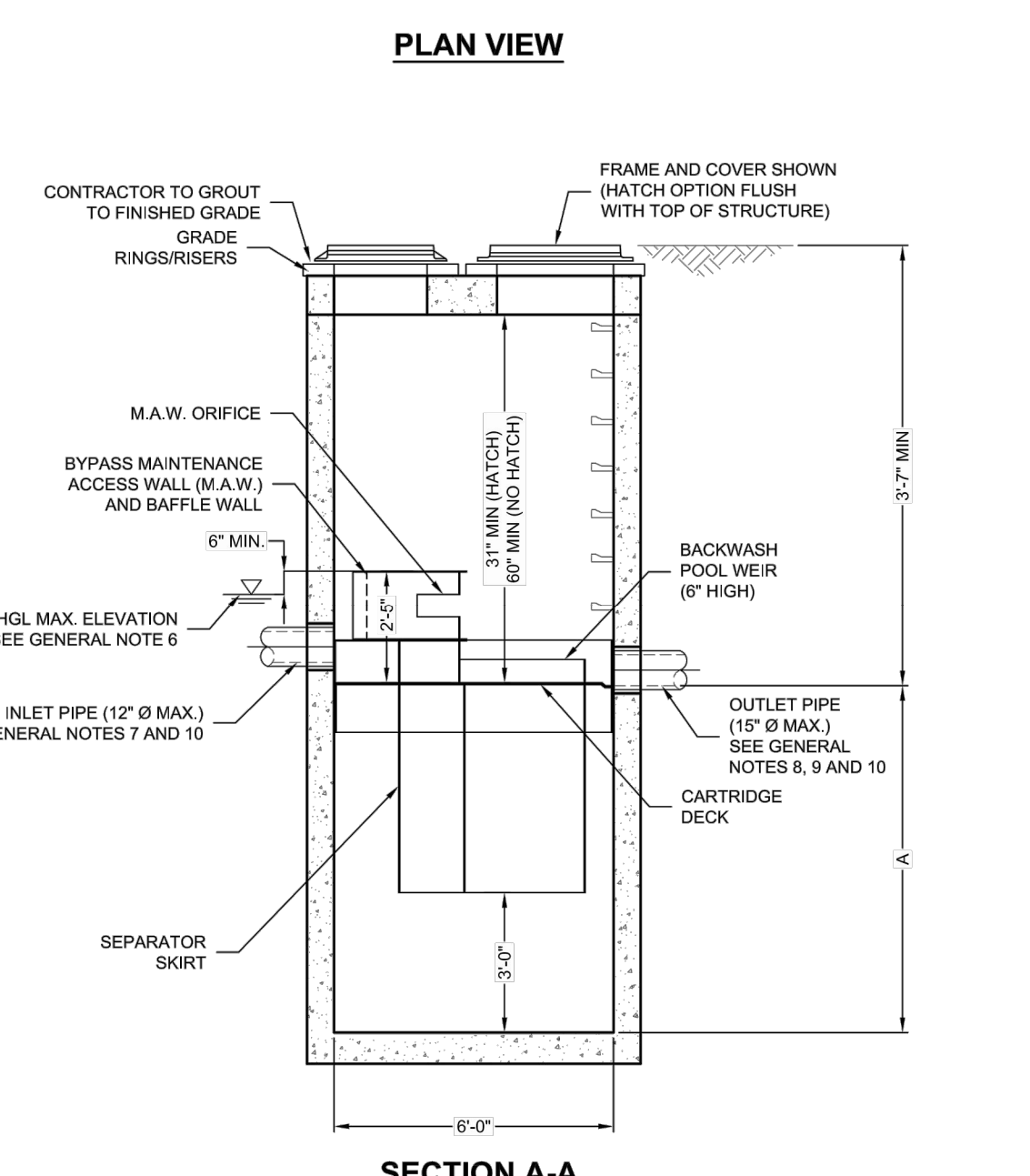
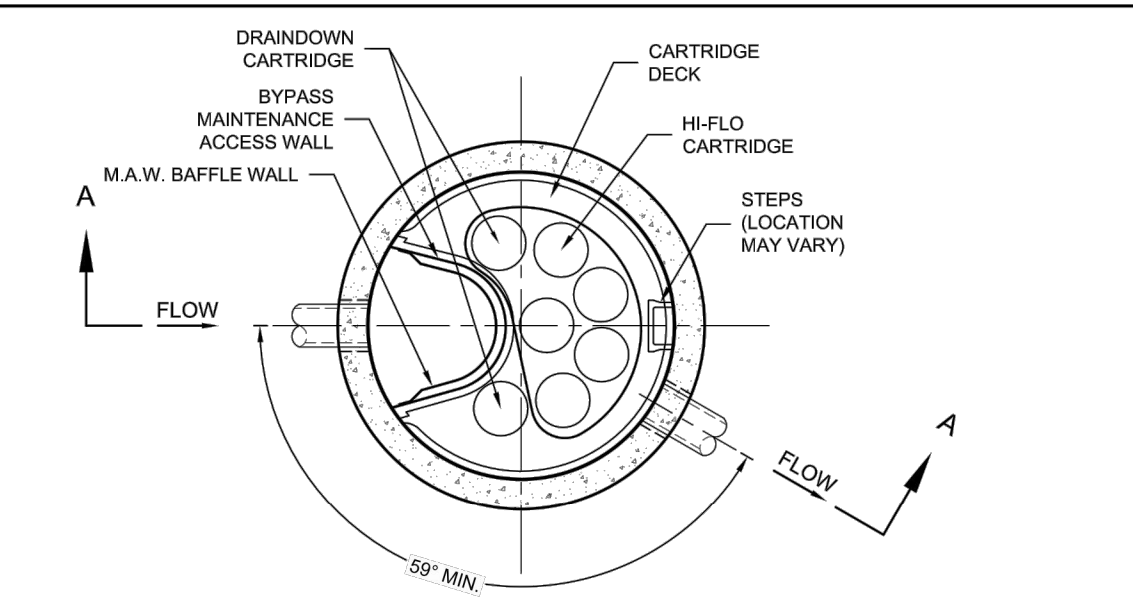
DRAWING NO: 7 OF 8

1 OF 1

JELLYFISH DESIGN NOTES

JELLYFISH TREATMENT CAPACITY IS A FUNCTION OF THE CARTRIDGE SELECTION AND THE NUMBER OF CARTRIDGES. THE STANDARD MANHOLE STYLE IS SHOWN. 67" MANHOLE JELLYFISH PEAK TREATMENT CAPACITY IS 1.16 CFS, AND MAXIMUM BYPASS CAPACITY IS 4.00 CFS. IF THE SITE CONDITIONS EXCEED TOTAL CAPACITY, AN UPSTREAM BYPASS STRUCTURE IS REQUIRED.

CARTRIDGE SELECTION	54"	40"	27"	15"
CARTRIDGE DEPTH	7'-5"	6'-3"	5'-2"	4'-2"
OUTLET INVERT TO STRUCTURE INVERT (A)	0.18 / 0.09	0.13 / 0.065	0.09 / 0.045	0.05 / 0.025
FLOW RATE HIGH-FLO / DRAINDOWN (cfs) (per cart)	6 / 1			
MAX. CARTS HIGH-FLO/DRAINDOWN	4.00			
MAX. BYPASS (cfs)	1.16	0.87	0.58	0.32
MAX. TREATMENT (cfs)	5.16	4.87	4.58	4.32
MAX. TREATMENT AND BYPASS (cfs) (TOTAL CAPACITY)				



FRAME AND COVER (DIAMETER VARIES) N.T.S.

SITE SPECIFIC DATA REQUIREMENTS			
STRUCTURE ID			
WATER QUALITY FLOW RATE (cfs)	*		
BYPASS FLOW RATE (cfs)	*		
PEAK FLOW RATE (cfs)	*		
RETURN PERIOD OF PEAK FLOW (YRS)	*		
# OF CARTRIDGES REQUIRED (HF / DD)	*		
CARTRIDGE SIZE	*		
PIPE DATA	I.E.	MAT'L	DIA.
INLET #1	*	*	*
INLET #2	*	*	*
OUTLET	*	*	*
SEE GENERAL NOTES 6-10 FOR INLET AND OUTLET HYDRAULIC AND SIZING REQUIREMENTS.			
RIM ELEVATION	*		
ANTI-FLOTATION BALLAST		WIDTH	HEIGHT
NOTES/SPECIAL REQUIREMENTS:			
* PER ENGINEER OF RECORD			

GENERAL NOTES

- CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
- FOR SITE SPECIFIC DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHT, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS REPRESENTATIVE. www.contechES.com
- JELLYFISH WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING. CONTRACTOR TO CONFIRM STRUCTURE MEETS REQUIREMENTS OF PROJECT.
- STRUCTURE SHALL MEET AASHTO HS-20 OR PER APPROVING JURISDICTION REQUIREMENTS, WHICHEVER IS MORE STRINGENT, ASSUMING EARTH COVER OF 0'-2' AND GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION. CASTINGS SHALL MEET AASHTO M306 LOAD RATING AND BE CAST WITH THE CONTECH LOGO.
- STRUCTURE SHALL BE PRECAST CONCRETE CONFORMING TO ASTM C-478 AND AASHTO LOAD FACTOR DESIGN METHOD.
- INLET HGL NOT TO EXCEED 6" BELOW THE TOP OF THE M.A.W. DURING THE PEAK DESIGN STORM, OR 10-YEAR STORM (WHICHEVER IS GREATER).
- INLET PIPE INVERT ELEVATION VARIES FROM 0" TO 6" MAXIMUM ABOVE THE OUTLET PIPE INVERT.
- OUTLET PIPE INVERT IS EQUAL TO THE CARTRIDGE DECK ELEVATION.
- THE OUTLET PIPE DIAMETER FOR NEW INSTALLATIONS IS TO BE ONE PIPE SIZE LARGER THAN THE INLET PIPE AT EQUAL OR GREATER SLOPE.
- THE DIFFERENCE IN THE INLET AND OUTLET PIPE ELEVATIONS FOR RETROFIT INSTALLATIONS TO EXISTING STORM DRAIN PIPES SHALL BE EQUAL TO THE SLOPE OVER THE DIAMETER OF THE MANHOLE, NOT TO EXCEED 6" IN VERTICAL DIFFERENTIAL BETWEEN INLET AND OUTLET PIPES.
- NO PRODUCT SUBSTITUTIONS SHALL BE ACCEPTED UNLESS SUBMITTED 10 DAYS PRIOR TO PROJECT BID DATE, OR AS DIRECTED BY THE ENGINEER OF RECORD.

INSTALLATION NOTES

- ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
- CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE STRUCTURE (LIFTING CLUTCHES PROVIDED).
- CONTRACTOR WILL INSTALL AND LEVEL THE STRUCTURE, SEALING THE JOINTS, LINE ENTRY AND EXIT POINTS (NON-SHRINK GROUT WITH APPROVED WATERSTOP OR FLEXIBLE BOOT).
- CONTRACTOR TO TAKE APPROPRIATE MEASURES TO PROTECT CARTRIDGES FROM CONSTRUCTION-RELATED EROSION RUNOFF.
- CARTRIDGE INSTALLATION, BY CONTECH, SHALL OCCUR ONLY AFTER SITE HAS BEEN STABILIZED AND THE JELLYFISH UNIT IS CLEAN AND FREE OF DEBRIS. CONTACT CONTECH TO COORDINATE CARTRIDGE INSTALLATION WITH SITE STABILIZATION AT (866) 740-3318.

CONTECH
ENGINEERED SOLUTIONS LLC
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8025 Centre Pointe Dr., Suite 400, West Chester, OH 45069
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JELLYFISH JF6
STANDARD DETAIL
ONLINE CONFIGURATION

REVISED PER TOWN COMMENTS

3/27/2018 AL

MOBIL GAS STATION STORE

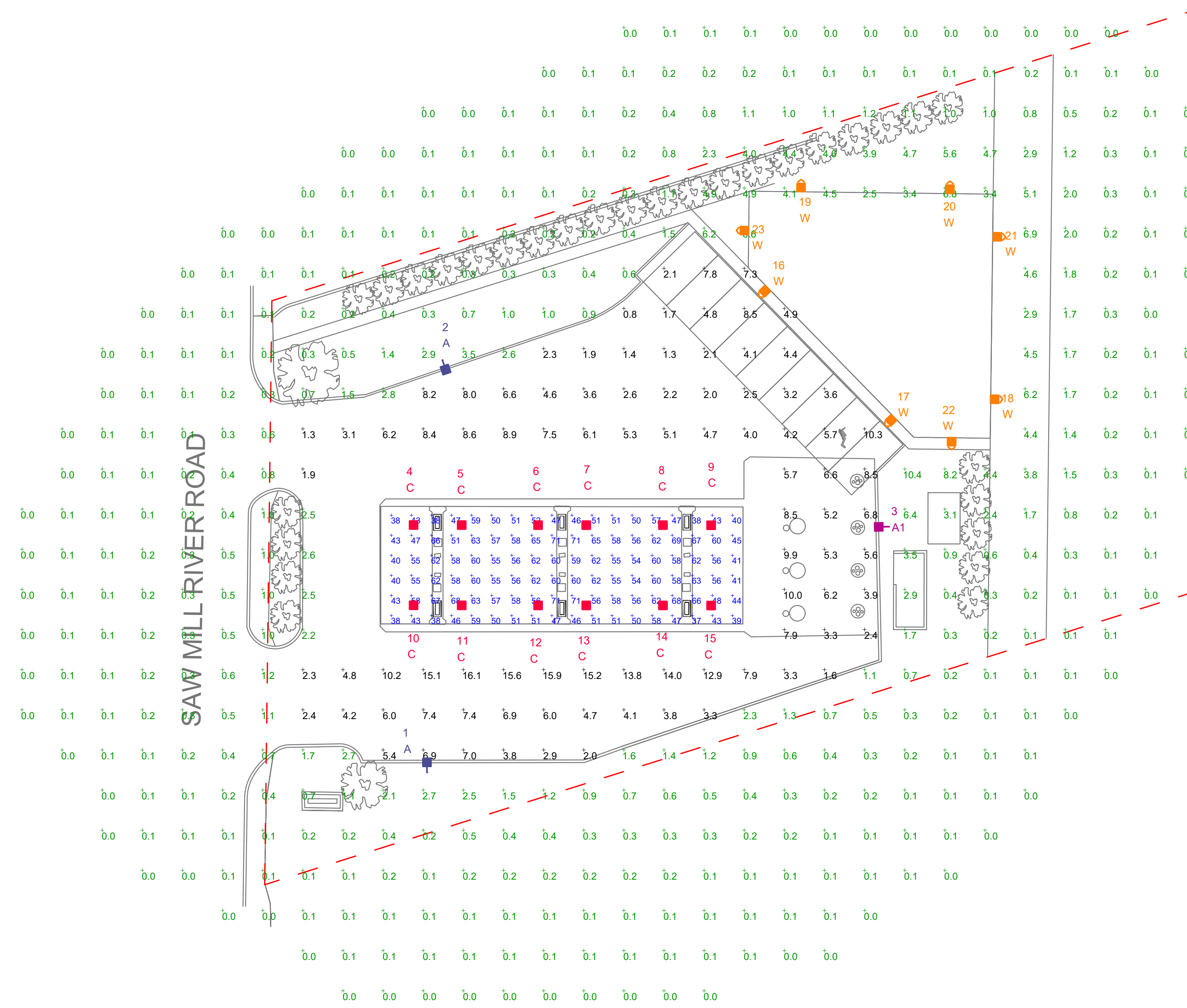
TOWN OF YORKTOWN WESTCHESTER COUNTY, NY

STORMWATER DETAILS

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DATE: 11/30/2017 SCALE: AS SHOWN DESIGNED BY: AL FILE NO: 214098 DRAWING NO: 7 OF 8



NOTE:
 AREA LIGHTS ON 15 FT. POLES MOUNTED ON 30 IN. HIGH CONCRETE BASES

FOOTCANDLE LEVELS CALCULATED AT GRADE USING INITIAL LUMEN VALUES					
LABEL	AVG	MAX	MIN	AVG/MIN	MAX/MIN
PAVED AREA	5.94	16.1	0.8	7.43	20.13
UNDEFINED	0.74	10.4	0.0	N.A.	N.A.
UNDER CANOPY	54.34	71	37	1.47	1.92

LUMINAIRE LOCATION SUMMARY		
LUM NO.	LABEL	MTG. HT.
1	A	17.5
2	A	17.5
3	A1	17.5
4	C	14
5	C	14
6	C	14
7	C	14
8	C	14
9	C	14
10	C	14
11	C	14
12	C	14
13	C	14
14	C	14
15	C	14
16	W	10
17	W	10
18	W	10
19	W	10
20	W	10
21	W	10
22	W	10
23	W	10

LUMINAIRE SCHEDULE										
SYMBOL	QTY	LABEL	ARRANGEMENT	LUMENS	LLF	BUG RATING	WATTS/LUMINAIRE	TOTAL WATTS	MANUFACTURER	DESCRIPTION
	2	A	SINGLE	9196	1.000	B1-U0-G2	86	172	Cree Inc	OSQ-XX + OSQ-A-NM-3ME-B-57K-UL-XX + OSQ-BLSMF
	1	A1	SINGLE	8950	1.000	B1-U0-G2	86	86	Cree Inc	OSQ-XX + OSQ-A-NM-4ME-B-57K-UL-XX + OSQ-BLSMF
	12	C	SINGLE	20332	1.000	B4-U0-G1	145.15	1741.8	Cree Inc	CPY250-B-DM-F-E-UL-XX-57K
	8	W	SINGLE	4031	1.000	B1-U0-G1	42.96	343.68	Cree Inc	XSPWA03MC-UX