SITE PLAN OBERCREEK BREWERY & TASTING ROOM

81 NEW HAMBURG ROAD TOWN OF WAPPINGER, DUTCHESS COUNTY, NEW YORK

BULK TABLE REQU	IREMENTS	Project #: CZ70608.02			
Zoning District: Or	ne-Family Residential (R-80)	Date:	6/7/2023		
Proposed Use: Far	m Brewery & Tasting Room				
		REQUIRED	PROPOSED		
Minimum lot area	(SF)	80,000	872,899 ¹		
Minimum lot widt	h (FT)	200	683		
Minimum lot dep	th (FT)	200	540		
Minimum lot fron	tage (FT)	50	2160		
Minimum front	County/State highway	75	80		
yard (FT) Front lot line of other street		50	N/A		
Minimum side	Accessory building <15 feet high and <144 square feet	10	N/A		
yard ² (FT)	Other	40	24 ³		
Minimum rear	Accessory building <15 feet high and <144 square feet	10	N/A		
yard ² (FT)	Other	50	154		
Maximum buildin	g height (STORIES /FT)	2.5/35	<2.5/35		
Maximum buildin	g coverage (%)	10	1.4		
Maximum floor ar	ea ratio	0.1	0.01		

Planning Board on 3/19/21 and submitted to the Town for final signature in December 2022. The proposed subdivision will be filed at the County Clerk's Office following final Town signature.

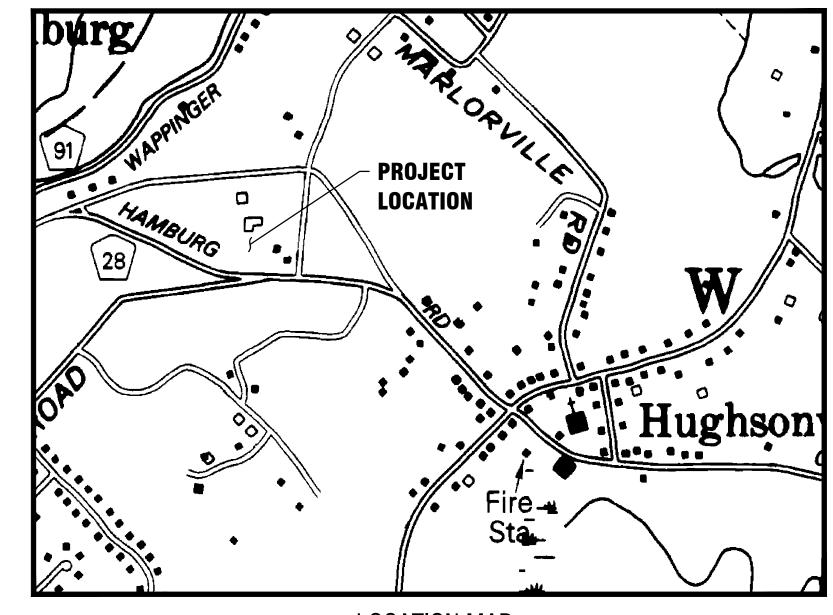
2. Notwithstanding the minimum side and rear yard setbacks set forth in this schedule, the minimum side and rear yard setbacks shall be six feet for all accessory buildings as defined in this chapter less than 100 square feet in area. No more than two accessory buildings shall be permitted in any 1-Family Residence District. No such accessory building shall have a footprint greater than 600 square feet nor a height in excess of 20 3. Existing non-conformance at existing residential garage, zoning variance obtained from Town of Wappinger Zoning Board of Appeals on 12/8/20. Proposed side yard of the proposed brewery is 41-ft.

PARKING CALCULATIONS

			SPACES	SPACES
USE	CODE REQUIREMENT	QUANTITY	REQUIRED	PROPOSED
Microbrewer or microdistiller	1 space for each employee on the largest shift, plus 1 space for each 3 patron sitting or standing spaces in any tasting room or other visitor facility open to the general public	1	72	74 ⁽¹⁾
Farm stand	1 space for each 150 sq ft of gross gloor area on the ground floor	1,250 sq ft gross	9	9 ⁽²⁾
		TOTAL	81	83

1. Includes 15 proposed land banked parking spaces and 1 of the 10 existing parking spaces at farm stand in gravel parking area to remain. 2. Represents 9 of the 10 existing parking spaces at farm stand in gravel parking area to remain.

INDEX OF DRAWINGS SHEET NO. DATE **DESCRIPTION** 10/04/23 **COVER SHEET NOTES AND LEGENDS SHEET** G002 TRUCK MANEUVERING PLAN SITE PLAN **GRADING & DRAINAGE PLAN** C150 **EROSION & SEDIMENT CONTROL PLAN** C151 **EROSION & SEDIMENT CONTROL PLAN: SSDS** C160 SUBSURFACE SEWAGE DISPOSAL SYSTEM PLAN C161 WATER SERVICE CONNECTION PLAN C180 LANDSCAPE PLAN PHOTOMETRIC PLAN SITE DETAILS **EROSION & SEDIMENT CONTROL DETAILS** WATER SYSTEM DETAILS C550 10/04/23 14 **SANITARY SEWER SYSTEM DETAILS** C560 10/04/23 C561 SUBSURFACE DISPOSAL SYSTEM DETAILS 16 C570 STORMWATER DETAILS LANDSCAPE DETAILS 10/04/23 18 C590 LIGHTING DETAILS 10/04/23 19



LOCATION MAP

SCALE:1"=2000'

OWNER & APPLICANT:

OBERCREEK PL PO BOX 230 HUGHSONVILLE, NEW YORK 12537

FLOOD ZONE NOTE:

PARCELS ARE SHOWN TO LIE WITHIN OTHER AREAS FLOOD ZONE X (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) AS SHOWN ON FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA), NATIONAL FLOOD INSURANCE PROGRAM (NFIP) FLOOD INSURANCE RATE MAP (FIRM) FOR THE TOWN OF WAPPINGER, NEW YORK IDENTIFIED AS MAP NUMBER 36027C0458E, BEARING AN EFFECTIVE DATE OF MAY 2, 2012.

TAX PARCEL DESIGNATION:

TOWN OF WAPPINGER, DUTCHESS COUNTY, NEW YORK TAX PARCEL 6057-02-847758

SITE AREA:

PHONE: (845) 454-3980

TOTAL PARCEL AREA: $20.04 \text{ ACRES } \pm (872,899 \pm \text{ S.F.})$ ZONING DISTRICT: R80

SITE CIVIL ENGINEER & SURVEYOR:

LABELLA ASSOCIATES, D.P.C. 21 FOX STREET, POUGHKEEPSIE, NY 12601

OBERCREEK BREWING COMPANY SEE BULK TABLE NOTE 59 MARLORVILLE ROAD

WAPPINGERS FALLS, NEW YORK 12590 PROJECT NO: CZ70608.02 LAST REVISED: OCTOBER 04, 2023

OWNER'S CERTIFICATION NOTE **OWNER / APPLICANT SIGNATURE**

THE UNDERSIGNED OWNER OR AUTHORIZED REPRESENTATIVE OF THE PROPERTY SHOWN HEREON STATES THAT HE HAS REVIEWED THIS MAP. THAT HE IS FAMILIAR WITH THIS MAP. ITS CONTENTS AND CONSENTS TO ALL SAID TERMS AND CONDITIONS AS STATED HEREON.

NAME (TITLE) DATE

TOWN OF WAPPINGER PLANNING BOARD **APPROVAL** TOWN OF WAPPINGER, NEW YORK

CHAIRMAN, TOWN PLANNING BOARD

APPROVED BY RESOLUTION OF THE PLANNING BOARD OF THE TOWN OF WAPPINGER, NEW YORK ON THE ____ DAY OF _____ . SUBJECT TO ALL REQUIREMENTS AND CONDITIONS OF SAID RESOLUTION. ANY CHANGE, ERASURE, MODIFICATION OR REVISION OF THIS PLAT AS APPROVED SHALL VOID THIS APPROVAL SIGNED THIS ____ DAY OF _____. BY



Poughkeepsie, NY 12601 (845) 454-3980

labellapc.com

800-962-7962

NEW YORK STATE LICENSED LAND SURVEYOR. ALL PAVEMENT RESTORATION SHALL MEET AND MATCH EXISTING GRADES.

- ALL SAWCUT LINES SHALL BE PARALLEL AND CURVILINEAR TO EXISTING OR PROPOSED
- CURBING AND SHALL BE A CONSTANT DISTANCE OF 18" MIN AWAY. 4. ALL ARCHITECTURE IS SUBJECT TO PLANNING BOARD REVIEW.
- 5. NOTIFY ENGINEER 48 HOURS PRIOR TO INITIALIZATION OF ANY WORK ON SITE. 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 PRIOR REVIEW FROM THE ENGINEER.
- 7. CONTRACTOR IS RESPONSIBLE FOR EMPLOYING AND MAINTAINING ALL TRAFFIC CONTROL AND SAFETY MEASURES DURING CONSTRUCTION. 8. CONTRACTOR IS RESPONSIBLE FOR PROPERLY & SAFELY MAINTAINING AREA BETWEEN ALL
- ADJOINING PROPERTIES. 9. NO WORK, STORAGE OR TRESPASS SHALL BE PERMITTED BEYOND THE SITE PROPERTY
- LINES OR PUBLIC RIGHT-OF-WAY. 10. ALL EXISTING LAWN AREA, CURBING, PAVING, SIDEWALKS, CULVERTS OR OTHER PUBLIC OR PRIVATE PROPERTY DAMAGED BY TRENCHING OR EXCAVATION OPERATIONS SHALL BE REPLACED OR REPAIRED TO A CONDITION EQUAL TO EXISTING, AS DESCRIBED IN CONTRACT DOCUMENTS OR AS ORDERED BY ENGINEER (AOBE). MAILBOXES, SIGN POSTS, ETC SHALL BE PROTECTED OR REMOVED AND REPLACED EXACTLY AS THEY WERE BEFORE BEING

DISTURBED. REMOVE AND REPLACE AFFECTED CURBING AND SIDEWALK TO NEAREST JOINT

REMOVE PAVEMENT AND REPLACE TO SAW CUT LINE, SAW CUT IN STRAIGHT LINE TO POINT NEEDED TO BLEND GRADE, REMOVE LAWN AND REPLACE TO MINIMUM LIMIT OF EXCAVATION. 11. IF PREVIOUSLY UNKNOWN CULTURAL, ARCHEOLOGICAL, OR HISTORIC REMAINS OR ARTIFACTS ARE DISCOVERED IN THE COURSE OF CONSTRUCTION OF THIS PROJECT, THE PROJECT SPONSORS SHALL SUSPEND CONSTRUCTION OPERATIONS IN THE PERTINENT AREA AND SHALL NOTIFY THE PROJECT ENGINEER. CONSTRUCTION IN THAT AREA SHALL RESUME ONLY AFTER COMPLETION OF FEDERAL, TRIBAL, AND STATE COORDINATION TO DETERMINE WHETHER PROTECTION OR RECOVERY OF THE REMAINS IS WARRANTED, OR WHETHER THE SITE IS ELIGIBLE FOR LISTING IN THE NATIONAL REGISTER OF HISTORIC PLACES.

LAYOUT NOTES:

1. BUILDING DIMENSIONS TO BE TAKEN FROM ARCHITECTURAL BUILDING PLANS, NOTIFY THE ENGINEER OF ANY DEVIATION FROM CONDITIONS SHOWN ON THIS PLAN.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL FIELD LAYOUT. THE CONTRACTOR SHALL TAKE TIES TO ALL UTILITY CONNECTIONS AND PROVIDE MARKED-UP AS BUILT PLANS FOR ALL UTILITIES SHOWING TIES TO CONNECTIONS, BENDS, VALVES, LENGTHS OF LINES AND INVERTS. AS-BUILT PLANS SHALL BE REVIEWED BY THE OWNER AND THE ENGINEER AND THE CONTRACTOR SHALL PROVIDE ANY CORRECTION OR ADDITIONS TO THE SATISFACTION OF THE OWNER AND THE ENGINEER BEFORE UTILITIES WILL BE

PAVING NOTES:

1. NO VEHICULAR TRAFFIC OF ANY SORT SHALL BE PERMITTED ON THE SURFACE OF SUBBASE COURSE MATERIAL ONCE IT HAS BEEN FINE GRADED, COMPACTED, AND IS READY FOR PAVING. SUBBASE MATERIAL SO PREPARED FOR PAVING SHALL BE PAVED WITHIN THREE DAYS OF PREPARATION.

- 2. SUBBASE MATERIAL AND THE VARIOUS ASPHALT CONCRETE MATERIALS CALLED FOR IN THESE DRAWINGS SHALL CONFORM WITH THE REFERENCED SECTION OF THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, DATED "LATEST EDITIONS". CONSTRUCTION SHALL BE AS FURTHER SET FORTH IN THOSE SPECIFICATIONS AND AS OTHERWISE PROVIDED FOR IN THESE DRAWINGS.
- 3. PLACE ASPHALT CONCRETE MIXTURE ON PREPARED SURFACE, SPREAD AND STRIKE-OFF USING A SELF-PROPELLED PAVING MACHINE, WITH VIBRATING SCREED. PLACEMENT IN INACCESSIBLE AND SMALL AREAS MAY BE BY HAND.
- 4. PROVIDE JOINTS BETWEEN OLD AND NEW PAVEMENTS OR BETWEEN SUCCESSIVE DAY'S
- 5. TACK COAT WHEN SPECIFIED OR CALLED OUT ON THE DRAWINGS OR REQUIRED BY THE REFERENCED SPECIFICATION SHALL CONFORM WITH THE FOLLOWING:
- A. TACK COAT SHALL MEET THE MATERIAL REQUIREMENTS OF 702-90 ASPHALT EMULSION FOR TACK COAT OF THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS. DATED "LATEST EDITION", SHALL BE APPLIED IN ACCORDANCE WITH SECTION 407 -TACK COAT SHALL BE IN ACCORDANCE WITH THOSE SPECIFICATIONS AND AS OTHERWISE PROVIDED FOR IN THESE DRAWINGS.
- B. REMOVE LOOSE AND FOREIGN MATERIAL FROM ASPHALT SURFACE BEFORE PAVING NEXT COURSE. USE POWER BROOMS, BLOWERS OR HAND BROOM.
- C. APPLY TACK COAT TO ASPHALT PAVEMENT SURFACES & AND SURFACES OF CURBS, GUTTERS, MANHOLES, AND OTHER STRUCTURES PROJECTING INTO OR ABUTTING PAVEMENT. DRY TO A "TACKY" CONSISTENCY BEFORE PAVING
- 6. AFTER COMPLETION OF PAVING AND SURFACING OPERATIONS, CLEAN SURFACES OF EXCESS OR SPILLED ASPHALT, GRAVEL OR STONE

D. TACK COAT ENTIRE VERTICAL SURFACE OF ABUTTING EXISTING PAVEMENT.

MATERIALS TO THE SATISFACTION OF THE ENGINEER

GRADING NOTES PRIOR TO SITE DISTURBANCE, CONTRACTOR TO INSTALL EROSION & SEDIMENT CONTROL

- MFASURES. 2. IF ROCK IS ENCOUNTERED DURING CONSTRUCTION & REMOVAL BY BLASTING IS REQUIRED, THE CONTRACTOR SHALL OBTAIN ALL NECESSARY APPROVALS AND PERMITS REQUIRED BY
- THE AUTHORITY HAVING JURISDICTION. 3. ALL BLASTING OPERATIONS WILL ADHERE TO NEW YORK STATE AND LOCAL AUTHORITY ORDINANCES GOVERNING THE USE OF EXPLOSIVES. THE STATE REGULATIONS ARE CONTAINED IN 12 NYCRR 39 AND INDUSTRIAL CODE RULE 753. 4. STRIP ALL TOPSOIL PRIOR TO COMMENCING EARTHWORK OPERATIONS. TOPSOIL MAY BE
- STORED AND REUSED IN LAWN AND PLANTING AREAS ONLY. TOPSOIL AND SEED ALL AREAS DISTURBED BY CONSTRUCTION THAT ARE TO REMAIN GREEN. 5. BOX ALL TREES AND HOUSE ALL SHRUBS AND HEDGES BEFORE PLACING EARTH AGAINST OR NEAR THEM. ORNAMENTAL TREES, SHRUBS AND HEDGES WHICH MUST BE REMOVED
- DURING CONSTRUCTION SHALL BE HEALED IN AND RE-PLANTED IN AS GOOD A CONDITION AS THEY WERE BEFORE THEIR REMOVAL. ANY DAMAGED TREES, SHRUBS, AND/OR HEDGES SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. 6. ALL EARTHWORK SHALL BE SMOOTHLY AND EVENLY BLENDED INTO EXISTING CONDITIONS.
- NO WORK, STORAGE OR TRESPASS SHALL BE PERMITTED BEYOND THE BOUNDARIES OF ANY EASEMENT OR PROPERTY LINE
- 7. REMOVE ALL VEGETATION, TREES, STUMPS, GRASSES, ORGANIC SOILS, DEBRIS AND
- DELETERIOUS MATERIALS WITHIN THE AREAS SLATED FOR CONSTRUCTION. 8. IF PREVIOUSLY UNKNOWN CULTURAL, ARCHEOLOGICAL, OR HISTORIC REMAINS OR ARTIFACTS ARE DISCOVERED IN THE COURSE OF CONSTRUCTION OF THIS PROJECT, THE PROJECT SPONSORS SHALL SUSPEND CONSTRUCTION OPERATIONS IN THE PERTINENT AREA AND SHALL NOTIFY THE PROJECT ENGINEER. CONSTRUCTION IN THAT AREA SHALL RESUME ONLY AFTER COMPLETION OF FEDERAL, TRIBAL, AND STATE COORDINATION TO DETERMINE WHETHER PROTECTION OR RECOVERY OF THE REMAINS IS WARRANTED, OR WHETHER THE
- SITE IS ELIGIBLE FOR LISTING IN THE NATIONAL REGISTER OF HISTORIC PLACES. IT IS THE INTENT OF THIS PLAN FOR ALL SITE GRADING TO DRAIN & NO PONDING OCCURS MINIMUM SLOPE OF AT LEAST ONE PERCENT ALONG THE FLOW LINE AND 2% CROSS SLOPE ON ALL PAVED OR CONCRETE SURFACES UNLESS OTHER WISE NOTED. CONTRACTOR SHALL COORDINATE WITH ENGINEER FOR ANY DEVIATIONS OR AREA ON THE PLAN WHERE THE SITE DOES NOT MEET THESE REQUIREMENT.

UTILITY PLAN NOTES:

GENERAL CONSTRUCTION NOTES

ALL UNDERGROUND UTILITIES ARE SHOWN IN THEIR RELATIVE POSITION AND ARE FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR TO VERIFY THEIR ACTUAL LOCATION IN THE FIELD PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. 2. ANY CONDITION ENCOUNTERED IN THE FIELD DIFFERING FROM THOSE SHOWN HEREON,

- SHALL BE REPORTED TO THE DESIGN ENGINEER BEFORE CONSTRUCTION IS TO PROCEED. 3. SEWER MAINS IN RELATION TO WATER MAINS: WHERE POSSIBLE, SEWERS SHALL BE LAID AT LEAST 10 (TEN) FEET HORIZONTALLY FROM ANY EXISTING OR PROPOSED WATER MAIN. VERTICAL SEPARATION SHALL BE MAINTAINED TO PROVIDE 18 (EIGHTEEN) INCHES BETWEEN TOP OF SEWER AND BOTTOM OF THE WATER MAIN AT UTILITY CROSSINGS. WHEN NOT POSSIBLE TO OBTAIN THE PROPER VERTICAL SEPARATION, SEWER PIPE SHALL BE PRESSURE RATED AND TESTED @ 150psi, 10 (TEN) FEET ON EACH SIDE OF THE WATER MAIN BEING
- CROSSED. 4. ALL PROPOSED UTILITIES SHALL TERMINATE 5 FEET FROM ANY PROPOSED BUILDING FACE. CONTRACTOR TO COORDINATE WITH BUILDING PLANS FOR ANY CONNECTIONS. ALL STORM SEWER SHALL BE SMOOTH INTERIOR HDPE UNLESS OTHERWISE SPECIFIED ALL GRAVITY SANITARY SEWER SHALL BE SDR 35 PVC UNLESS OTHERWISE SPECIFIED.
- ALL WATER PIPE SHALL BE CL52 DUCTILE IRON PIPE UNLESS OTHERWISE SPECIFIED. CONTRACTOR TO VERIFY STATUS OF ALL UTILITY SERVICES PRIOR TO INTERRUPTION. 9. EXPLORATORY EXCAVATIONS SHALL BE PERFORMED BY THE CONTRACTOR AT ALL UTILITY CONNECTION LOCATIONS AND AS NEEDED TO VERIFY EXISTING CONDITIONS PRIOR TO
- PERFORMING WORK. 10. BEFORE CONSTRUCTING LINES TO CONNECT TO EXISTING UTILITIES, VERIFY EXISTING UTILITY INVERTS AND NOTIFY THE ENGINEER IF ANY VARIATION FROM THE PLAN IS REQUIRED. 11. THE CONTRACTOR SHALL MAINTAIN ALL EXISTING UTILITIES IN SERVICE FOR THE DURATION
- 12. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIRED PERMITS AND ASSOCIATED
- 13. CONTRACTOR SHALL BE RESPONSIBLE FOR DEWATERING UTILITY TRENCHES AND EXCAVATIONS AND FOR THE MAINTENANCE OF SURFACE DRAINAGE DURING THE COURSE OF
- 14. IF ROCK REMOVAL BY BLASTING IS REQUIRED, THE CONTRACTOR SHALL OBTAIN ALL NECESSARY APPROVALS AND PERMITS REQUIRED BY THE AUTHORITY HAVING JURISDICTION (OR INSERT MUNICIPALITY).

ROCK BLASTING NOTES:

BLASTING OF BEDROCK IS NOT ANTICIPATED AT THIS SITE IN ORDER TO COMPLETE THE PROPOSED DEVELOPMENT. HOWEVER, THESE NOTES ARE INCLUDED SHOULD UNFORESEEN

- CONDITIONS REQUIRE THE NEED FOR BLASTING TO EXCAVATE BEDROCK. . ALL RECOMMENDED SAFETY REQUIREMENTS AND STANDARDS REFERENCED AND ANY LOCAL RESTRICTIONS SHALL BE APPLIED AS REQUIRED FOR SAFETY, SECURITY, AND SPECIFICALLY RELATED DETAILS FOR BLASTING PROCEDURES. AT ALL TIMES, FEDERAL, STATE, AND LOCAL LAWS AND ORDINANCES WILL BE FOLLOWED CONCERNING THE TRANSPORTATION AND STORAGE OF EXPLOSIVES.
- 2. A MINIMUM OF FOUR (4) WEEKS PRIOR TO COMMENCEMENT OF THE INITIAL BLASTING OPERATIONS, THE CONTRACTOR SHALL NOTIFY THE FOLLOWING AGENCIES AS APPROPRIATE: POLICE AGENCIES, GAS AND ELECTRIC SERVICE COMPANIES, TELEPHONE AND CABLE OPERATING COMPANIES, TOWN WATER AND SEWER DEPARTMENTS, NYSDOT, AND LOCAL FIRE, RESCUE, AND AMBULANCE SERVICES.
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE RESULTING FROM THE USE OF EXPLOSIVES. EXPLOSIVES SHALL BE STORED IN A SECURE MANNER IN COMPLIANCE WITH FEDERAL, STATE, AND LOCAL LAWS AND ORDINANCES.
- 4. THE CONTRACTOR SHALL NOTIFY EACH PROPERTY AND UTILITY OWNER HAVING A BUILDING, STRUCTURE, OR OTHER INSTALLATION ABOVE OR BELOW GROUND IN PROXIMITY TO THE SITE THE WORK OF HIS INTENTION TO USE EXPLOSIVES. NOTICE SHALL BE GIVEN SUFFICIENTLY IN ADVANCE TO ENABLE THE OWNERS TO TAKE STEPS TO PROTECT THEIR PROPERTY. NOTICE SHALL NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR DAMAGE RESULTING FROM HIS BLASTING OPERATIONS.
- 5. THE CONTRACTOR SHALL SCHEDULE AND CONDUCT PRE-BLAST SURVEYS WITH PROPERTY OWNERS LOCATED IN THE AREA POTENTIALLY AFFECTED BY AIRBLAST OVERPRESSURE AND
- GROUND VIBRATION OR AS REQUIRED 6. THE CONTRACTOR SHALL IMPLEMENT ENGINEERING MEASURES IN ORDER TO MINIMIZE THE POTENTIAL IMPACTS OF DUST, NOISE AND GROUND VIBRATION. BLAST VIBRATION CONTROL WILL BE ACHIEVED BY LIMITING THE CHARGE PER DELAY SO THAT THE PEAK PARTICLE
- VELOCITY REMAINS BELOW THE SPECIFIED LEVELS. 7. A APPROPRIATELY QUALIFIED, LICENSED BLASTING SPECIALIST, WITH EXPERIENCE SHALL BE ONSITE AND SUPERVISE BLASTING OPERATIONS. AT ALL TIMES, THE BLASTING AREA SHALL BE
- RESTRICTED TO BLASTING OPERATIONS AND AUTHORIZED PERSONNEL ONLY. 8. PROTECTIVE MEASURES INCLUDING INSTALLATION OF SIGNAGE, NOTIFICATION OF NEARBY RESIDENTS. TRAFFIC CONTROL AS NECESSARY ALONG NEARBY ROADS, AUDIBLE PRE-BLAST WARNINGS, AND USE OF BLAST MATS SHALL BE IMPLEMENTED.

9. DELIVERY AND TRANSPORT OF EXPLOSIVES FROM THE POWDER MAGAZINES TO THE BLAST

AREA WILL BE BY VEHICLES SPECIFICALLY DESIGNED FOR THIS USE BY THE CRITERIA OUTLINED IN THE SAFETY REQUIREMENTS. ONLY AUTHORIZED PERSONS WILL TRANSPORT AND HANDLE THE EXPLOSIVES AS DESIGNATED BY THE ISSUING AUTHORITY OF THOSE LICENSES 10.MONITORING OF PEAK PARTICLE VELOCITY (INCHES/SECOND) AND PEAK AIRBLAST

OVERPRESSURE (PSI) SHALL BE PERFORMED DURING ALL BLASTS.

MAINTENANCE OF EROSION AND SEDIMENT CONTROL MEASURES: PERMANENT AND TEMPORARY VEGETATION:
INSPECT ALL AREAS THAT HAVE RECEIVED VEGETATION EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. ALL AREAS DAMAGED BY EROSION OR WHERE SEED HAS NOT ESTABLISHED SHALL BE REPAIRED AND RESTABILIZED IMMEDIATELY.

INSPECT THE ENTRANCE PAD EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. CHECK FOR MUD, SEDIMENT BUILD-UP AND PAD INTEGRITY. MAKE DAILY INSPECTIONS DURING WET WEATHER. RESHAPE PAD AS NEEDED FOR DRAINAGE AND RUNOFF CONTROL. WASH AND REPLACE STONE AS NEEDED. THE STONE IN THE ENTRANCE SHOULD BE WASHED OR REPLACED WHENEVER THE ENTRANCE FAILS TO REDUCE MUD BEING CARRIED OFF-SITE BY VEHICLES. IMMEDIATELY REMOVE MUD AND SEDIMENT TRACKED OR WASHED ONTO PUBLIC ROADS BY BRUSHING OR SWEEPING. REMOVE TEMPORARY CONSTRUCTION ENTRANCE AS SOON AS THEY ARE NO LONGER NEEDED TO PROVIDE ACCESS TO THE

SILT FENCE:
INSPECT FOR DAMAGE EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. MAKE ALL REPAIRS IMMEDIATELY. REMOVE SEDIMENT FROM THE UP-SLOPE FACE OF THE FENCE BEFORE IT ACCUMULATES TO A HEIGHT EQUAL TO 1/3 THE HEIGHT OF THE FENCE. IF FENCE FABRIC TEARS, BEGINS TO DECOMPOSE, OR IN ANY WAY BECOMES INEFFECTIVE, REPLACE THE AFFECTED SECTION OF FENCE IMMEDIATELY.

INSPECT SEDIMENT CONTROL BARRIERS (SILT FENCE OR HAY BALE) AND VEGETATION FOR DAMAGE EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. MAKE ALL REPAIRS IMMEDIATELY, REMOVE SEDIMENT FROM THE UP-SLOPE FACE OF THE SEDIMENT CONTROL BARRIER BEFORE IT ACCUMULATES TO A HEIGHT EQUAL TO 1/3 THE HEIGHT OF THE SEDIMENT CONTROL BARRIER, IF SEDIMENT CONTROL BARRIER TEARS, BEGINS TO DECOMPOSE, OR IN ANYWAY BECOMES INEFFECTIVE, REPLACE THE AFFECTED SECTION OF SEDIMENT CONTROL BARRIER IMMEDIATELY. REVEGETATE DISTURBED AREA TO STABILIZE SOIL STOCK PILE. REMOVE THE SEDIMENT CONTROL BARRIER WHEN THE SOIL STOCKPILE HAS BEEN REMOVED.

<u>DUST CONTROL:</u>
SCHEDULE CONSTRUCTION OPERATIONS TO MINIMIZE THE AMOUNT OF DISTURBED AREAS AT ANY ONE TIME DURING THE COURSE OF WORK, APPLY TEMPORARY SOIL STABILIZATION PRACTICES SUCH AS MULCHING, SEEDING, AND SPRAYING (WATER). STRUCTURAL MEASURES (MULCH, SEEDING) SHALL BE INSTALLED IN DISTURBED AREAS BEFORE SIGNIFICANT BLOWING PROBLEMS DEVELOP. WATER SHALL BE SPRAYED AS NEEDED. REPEAT AS NEEDED, BUT AVOID EXCESSIVE SPRAYING, WHICH COULD CREATE RUNOFF AND EROSION PROBLEMS.

CHECK DAM:
INSPECT CHECK DAMS EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. IF SIGNIFICANT EROSION HAS OCCURRED BETWEEN STRUCTURES A LINER OF STONE OR OTHER SUITABLE

MATERIAL SHOULD BE INSTALLED IN THAT PORTION OF THE CHANNEL. REMOVE SEDIMENT ACCUMULATED BEHIND THE DAM AS NEEDED TO ALLOW CHANNEL TO DRAIN THROUGH THE STONE CHECK DAM AND PREVENT LARGE FLOWS FROM CARRYING SEDIMENT OVER THE DAM. REPLACE STONES AS NEEDED TO MAINTAIN THE DESIGN CROSS SECTION OF THE STRUCTURES. REMOVE CHECK DAMS AS PER APPROVAL OF

EROSION CONTROL BLANKET:
INSPECT THE BLANKET EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. REPLACE WIRE
STAPLES AS REQUIRED. REPAIR AND RESEED WHERE CRACKS AND DAMAGED VEGETATION IS EVIDENT. WHEN DAMAGED BEYOND REPAIR OR NO LONGER FUNCTIONING, THE

EARTH DIKE: INSPECT ALL EARTH DIKES EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. ALL AREAS DAMAGED BY EROSION SHALL BE REPAIRED IMMEDIATELY.

TEMPORARY SWALE: INSPECT ALL EARTH DIKES EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. ALL AREAS DAMAGED BY EROSION SHALL BE REPAIRED IMMEDIATELY.

<u>SEDIMENT TRAP:</u>
INSPECT ALL SEDIMENT TRAPS EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. REPAIRS SHALL BE MADE AS NEEDED. SEDIMENT SHALL BE REMOVED AND THE TRAP RESTORED TO THE ORIGINAL DIMENSIONS WHEN SEDIMENT HAS ACCUMULATED TO 1/2 OF THE DESIGN DEPTH OF THE TRAP.

STORM DRAIN INLET PROTECTION:
INSPECT ALL STORM DRAIN INLET PROTECTION DEVICES EVERY SEVEN DAYS & AFTER EVERY RAIN EVENT. MAKE REPAIRS AS NEEDED, REMOVE SEDIMENT FROM THE POOL

(IF REQUIRED) — INSPECT DAILY DURING OPERATION FOR CLOGGING OR OVERFLOW. CLEAR INLET AND DISCHARGE PIPES OF OBSTRUCTIONS. IF A FILTER MATERIAL BECOMES CLOGGED WITH SEDIMENT, PIT SHALL BE DISMANTLED AND CONSTRUCT NEW PITS AS

<u>SNOW AND ICE CONTROL:</u>
PARKING LOTS, ROADWAYS, AND DRIVEWAYS ADJACENT TO WATER QUALITY FILTERS SHALL NOT BE SANDED DURING SNOW EVENTS DUE TO HIGH POTENTIAL FOR CLOGGING FROM SAND IN SURFACE WATER RUNOFF. USE SALT ONLY FOR SNOW AND ICE

TREE CLEARINGNOTE:

1. TREE CLEARING SHALL BE LIMITED TO THE PERIOD BETWEEN NOVEMBER 1 AND MARCH 31 TO ENSURE NO POTENTIAL TAKE OF BAT SPECIES.

GENERAL EROSION AND SEDIMENT CONTROL NOTES:

- ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE IN STRICT COMPLIANCE WITH "NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL", NOVEMBER 2016.
- 2. EXCESS SOIL TO BE STOCKPILED WITHIN THE LIMITS OF SITE DISTURBANCE IF NOT USED IMMEDIATELY FOR GRADING PURPOSES. INSTALL SILT FENCE AROUND SOIL
- 3. APPLY SURFACE STABILIZATION AND RESTORATION MEASURES. AREAS UNDERGOING CLEARING OR GRADING AND ANY AREAS DISTURBED BY CONSTRUCTION ACTIVITIES WHERE WORK IS DELAYED, SUSPENDED, OR INCOMPLETE AND WILL NOT BE REDISTURBED FOR 21 DAYS OR MORE SHALL BE STABILIZED WITH TEMPORARY VEGETATIVE COVER WITHIN 14 DAYS AFTER CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS CEASED. (SEE SPECIFICATIONS FOR TEMPORARY VEGETATIVE COVER). AREAS UNDERGOING CLEARING OR GRADING AND ANY AREAS DISTURBED BY CONSTRUCTION ACTIVITIES WHERE WORK IS COMPLETE AND WILL NOT BE REDISTURBED SHALL BE STABILIZED AND RESTORED WITH PERMANENT VEGETATIVE COVER AS SOON AS SITE AREAS ARE AVAILABLE AND WITHIN 14 DAYS AFTER WORK IS COMPLETE. (SEE SPECIFICATIONS FOR PERMANENT VEGETATIVE COVER). SEEDING FOR PERMANENT VEGETATIVE COVER SHALL BE WITHIN THE SEASONAL LIMITATIONS. PROVIDE STABILIZATION WITH TEMPORARY VEGETATIVE COVER WITHIN 14 DAYS AFTER WORK IS COMPLETE, FOR SEEDING OUTSIDE PERMITTED SEEDING PERIODS.
- 4. SEEDED AREAS TO BE MULCHED WITH STRAW OR HAY MULCH IN ACCORDANCE WITH VEGETATIVE COVER SPECIFICATIONS.
- 5. THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL MEASURES THROUGHOUT THE COURSE OF
- 6. THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING DUST BY SPRINKLING EXPOSED SOIL AREAS PERIODICALLY WITH WATER AS REQUIRED. THE CONTRACTOR IS TO
- SUPPLY ALL EQUIPMENT AND WATER. 7. WHEN ALL DISTURBED AREAS ARE STABLE, ALL TEMPORARY EROSION AND SEDIMENT

TOPSOIL SPECIFICATIONS:

CONTROL MEASURES SHALL BE REMOVED.

EXISTING EXCESS TOPSOIL SHALL BE REMOVED AND STORED IN TOPSOIL STOCKPILES SUFFICIENTLY REMOVED FROM OTHER EXCAVATION OR DISTURBANCE TO AVOID MIXING. SILT FENCE SHALL BE INSTALLED AROUND TOPSOIL STOCKPILE AREAS.

- COMPLETE ROUGH GRADING AND FINAL GRADE, ALLOWING FOR DEPTH OF TOPSOIL TO BE ADDED. 2. SCARIFY ALL COMPACT, SLOWLY PERMEABLE, MEDIUM AND FINE TEXTURED SUBSOIL AREAS. SCARIFY AT APPROXIMATELY RIGHT ANGLES TO THE SLOPE DIRECTION IN SOIL AREAS THAT ARE
- 3. REMOVE REFUSE, WOODY PLANT PARTS, STONES OVER 3 INCHES IN DIAMETER, AND OTHER

- TOPSOIL MATERIALS:

 1. NEW TOPSOIL SHALL BE BETTER THAN OR EQUAL TO THE QUALITY OF THE EXISTING ADJACENT TOPSOIL. IT SHALL MEET THE FOLLOWING CRITERIA: A. ORIGINAL LOAM TOPSOIL, WELL DRAINED HOMOGENEOUS TEXTURE AND OF UNIFORM GRADE,
- WITHOUT THE ADMIXTURE OF SUBSOIL MATERIAL AND FREE OF DENSE MATERIAL, HARDPAN, CLAY, STONES, SOD OR OTHER OBJECTIONABLE MATERIAL B. CONTAINING NOT LESS THAN 5% NOR MORE THAN 20% ORGANIC MATTER IN THAT PORTION OF A SAMPLING PASSING A 1/4" SIEVE WHEN DETERMINED BY THE WET COMBUSTION
- METHOD ON A SAMPLE DRIED AT 105°C. C. CONTAINING A PH VALUE WITHIN THE RANGE OF 6.5 TO 7.5 ON THAT PORTION OF THE
- SAMPLE WHICH PASSES A 1/4" SIEVE. D. CONTAINING THE FOLLOWING WASHED GRADATIONS: SIEVE DESIGNATION % PASSING

100 97-100 NO 200 20-60

APPLICATION AND GRADING

- TOPSOIL SHALL BE DISTRIBUTED TO A UNIFORM DEPTH OF 4" OVER THE AREA. IT SHALL NOT BE PLACED WHEN IT IS PARTLY FROZEN, MUDDY, OR ON FROZEN SLOPES OR OVER ICE, SNOW, OR STANDING WATER.
- 2. TOPSOIL PLACED AND GRADED ON SLOPES STEEPER THAN 5% SHALL BE PROMPTLY FERTILIZED, SEEDED, MULCHED AND STABILIZED BY "TRACKING" WITH SUITABLE EQUIPMENT.

VEGETATIVE COVER SPECIFICATIONS:

- SITE PREPARATION
- (SAME AS PERMANENT VEGETATIVE COVER) 2. SEED MIX: (APPLY AT RATE OF 3 TO 4 LBS PER 1000 SF) MINIMUM % SPECIES OR VARIETY
 ANNUAL RYEGRASS WEIGHT 100% PURITY GERMINATION 98% 90%
- SEEDING (SAME AS PERMANENT VEGETATIVE COVER)

G. SMOOTH AND FIRM THE SEEDBED.

PERMANENT VEGETATIVE COVER (AFTER CONSTRUCTION):

- A. BRING AREA TO BE SEEDED TO REQUIRED GRADE. A MINIMUM OF 4" OF TOPSOIL IS
- B. PREPARE SEEDBED BY LOOSENING SOIL TO A DEPTH OF 4 INCHES. REMOVE ALL STONES OVER 1 INCH IN DIAMETER, STICKS AND FOREIGN MATTER FROM THE
- D. LIME TO PH OF 6.5. FERTILIZER: USE 5-10-5 (NPK) OR EQUIVALENT. APPLY AT RATE OF 4 LBS/1000 SF. INCORPORATE LIME AND FERTILIZER IN THE TOP 4 INCHES OF TOPSOIL.
- 2. SEED MIXTURE FOR USE ON LAWN AREAS:
- PROVIDE FRESH, CLEAN, NEW-CROP SEED MIXED IN THE PROPORTIONS SPECIFIED FOR SPECIES AND VARIETY, AND CONFORMING TO FEDERAL AND STATE STANDARDS.

LAWN SEED MIX: (APPLY AT RATE OF 5 TO 6 LBS PER 1000 SF)

SUN AND PARTIAL SHADE: AMOUNT BY: MINIMUM % WEIGHT SPECIES OR VARIETY 50% KENTUCKY BLUE GRASS* PURITY 95% <u>GERMINATION</u> PERENNIAL RYE 98% 90% CREEPING RED FESCUE 97%

*MINIMUM 2 (EQUAL PROPORTIONS) VARIETIES AS LISTED IN CORNELL RECOMMENDATIONS FOR

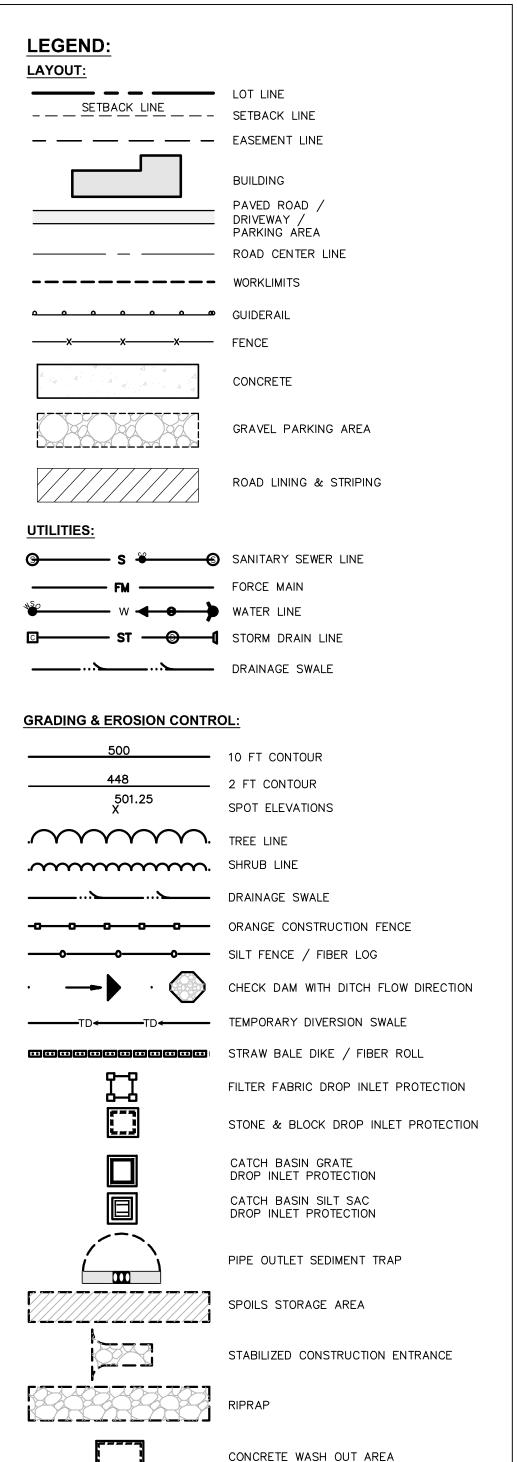
SHADE	<u></u>		
AMOUN	T BY:	MINIMUM	%
WEIGHT	SPECIES OR VARIETY	PURITY	GERMINATIO
25%	KENTUCKY BLUE GRASS**	95%	80%
20%	PERENNIAL RYE	98%	90%
35%	CREEPING RED FESCUE	97%	85%
20%	CHEWINGS RED FESCUE	97%	85%
100%			

- A. APPLY SEED UNIFORMLY BY CYCLONE SEEDER CULTI-PACKER OR HYDRO-SEEDER AT RATE
- INDICATED. B. ALL SEEDED AREAS SHALL BE PROTECTED FROM EROSION BY ONE OF THE FOLLOWING
- METHODS: i. A UNIFORM BLANKET OF STRAW APPLIED AT A RATE OF 2 TONS /ACRE MIN., TO BE APPLIED ONCE SEEDING IS COMPLETE. ii. WOOD FIBER CELLULOSE APPLIED WITH SEED MIX BY HYDROSEEDER AT RATE OF 2,000
- LBS/ACRE C. ALL SEEDED SLOPES 3:1 OR GREATER SHALL BE PROTECTED FROM EROSION WITH JUTE
- MESH OR APPROVED EQUAL. IRRIGATE TO FULLY SATURATE SOIL LAYER, BUT NOT TO DISLODGE PLANTING SOIL. UNLESS OTHERWISE DIRECTED IN WRITING, SEED FROM MARCH 15TH TO JUNE 15TH, AND

FROM AUGUST 15TH TO OCTOBER 15TH. COMPACTION REQUIREMENTS

**SHADE TOLERANT VARIETY

LOCATION	COMPACTION	TESTING FREQUENCY
PIPE TRENCH BACKFILL (IN PAVED AREAS)	95% ASTM D1557	1 SERIES OF TESTS FOR EACH 150 FT OR LESS OF TRENCH LENGTH. SERIES INCLUDE 3 COMPACTION TESTS SPREAD EVENLY ALONG TRENCH PROFILE.
PIPE TRENCH BACKFILL (IN UNPAVED AREAS)	90% ASTM D1557	1 SERIES OF TESTS FOR EACH 150 LF OR LESS OF TRENCH LENGTH. SERIES INCLUDE 3 COMPACTION TESTS SPREAD EVENLY ALONG TRENCH PROFILE.
PIPE BEDDING AND PIPE ZONE BACKFILL	95% ASTM D1557	1 TEST FOR EACH 150 FT OR LESS OF TRENCH LENGTH.
PAVEMENT SUBBASE AND LAST LIFT OF SELECT GRANULAR FILL (FILL BETWEEN SHEET PILES)	95% ASTM D1557	1 TEST FOR EVERY 2,000 SQ FT, OF LIFT AREA BUT NO FEWER THAN TWO TESTS PER LIFT



TREE PROTECTION

SIGN

SIGN

CATCH BASIN

CLEANOU^{*}

HYDRANT

REDUCER

LIGHT POLE

LIGHT WALL PACK

LIGHTED BOLLARD

PARKING COUNT

SOIL BORING

TEST PIT

POST AND LUMINAIRE

WATER VALVE

FLARED END SECTION

DRAINAGE MANHOLE

SANITARY MANHOLE

SYMBOLS

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engineer, or land surveyor is altered; the altering architect,

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PROJECT NUMBER: 70608-02 DRAWN BY: **REVIEWED BY** ISSUED FOR: PLANNING BOARD REVIEW

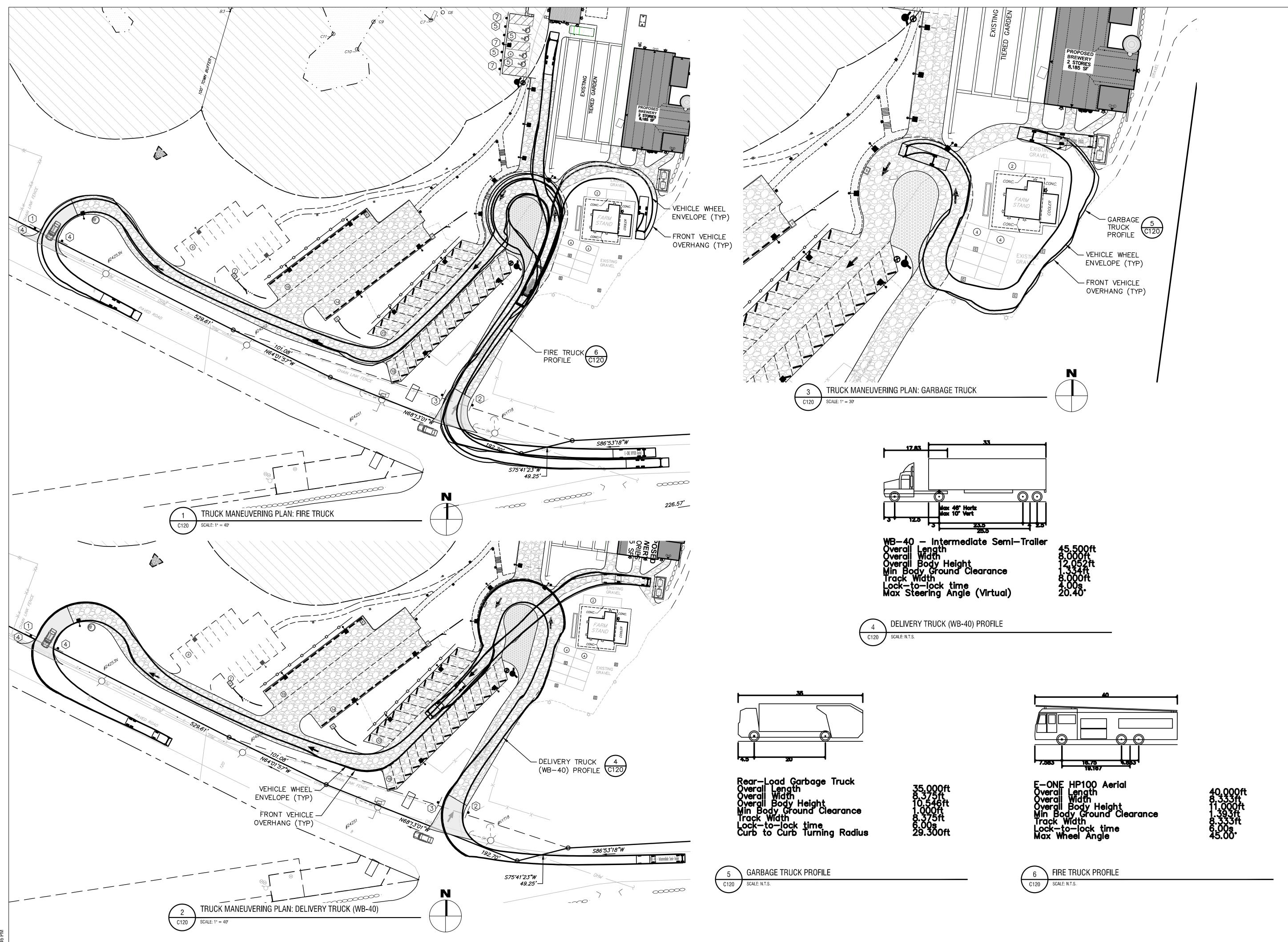
NOTES AND LEGENDS SHEET

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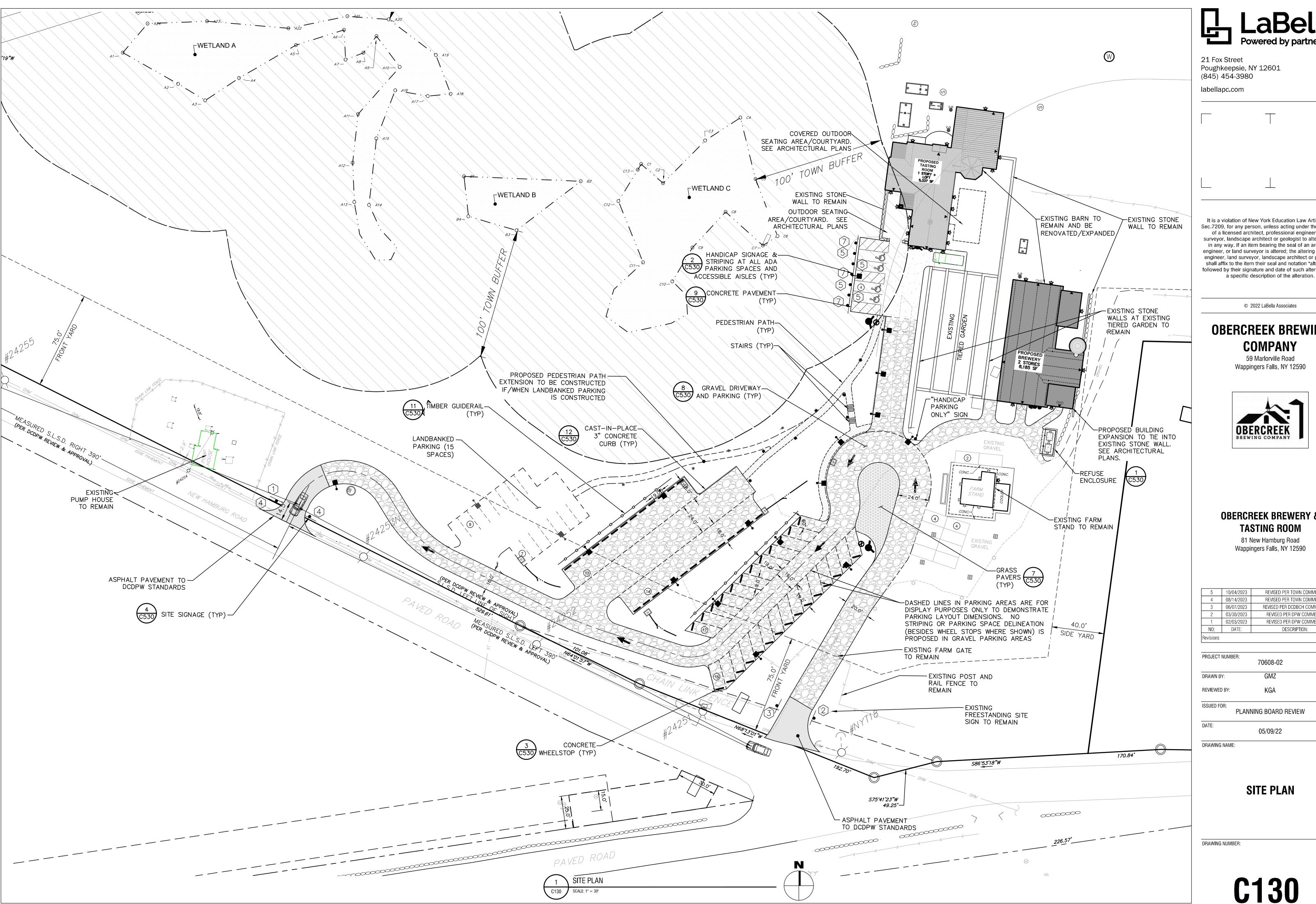
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TRUCK MANEUVERING PLAN

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a specific description of the alteration.

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GRADING & DRAINAGE PLAN





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EROSION & SEDIMENT CONTROL PLAN

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ISSUED FOR:

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EROSION & SEDIMENT CONTROL PLAN

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GENERAL NOTES:

- 1. THERE SHALL BE NO DEVIATION FROM THESE PLANS DURING CONSTRUCTION WITHOUT PRIOR APPROVAL OF A LICENSED DESIGN PROFESSIONAL (PREFERABLY THE DESIGN ENGINEER OF RECORD) AND THE DUTCHESS COUNTY DEPARTMENT OF HEALTH (DCDOH).
- 2. THE MATERIALS AND SPECIFICATIONS NOTED ON THE PLANS MUST BE UTILIZED UNLESS ALTERNATES ARE ACCEPTED AND APPROVED IN WRITING BY A LICENSED
- DESIGN PROFESSIONAL AND DCDOH REPRESENTATIVE.

 3. FOLLOW ALL MANUFACTURER INSTRUCTIONS FOR COMPONENT INSTALLATION UNLESS

OTHERWISE DIRECTED BY A LICENSED DESIGN PROFESSIONAL AND DCDOH

- 4. PRIOR TO EXCAVATING, CONSULT THE UNDERGROUND FACILITIES PROTECTIVE ORGANIZATION.
- THE ELECTRICAL EQUIPMENT TO BE INSTALLED IN ACCORDANCE WITH THIS PLAN MUST BE CERTIFIED BY THE NYS BOARD OF UNDERWRITERS.
- SANITARY FACILITIES MAY BE CONSTRUCTED ONLY AFTER APPROVAL HAS BEEN GRANTED BY THE DCDOH. THESE FACILITIES SHALL NOT BE PLACED IN OPERATION UNTIL A DCDOH CERTIFICATE HAS BEEN ISSUED. CONTACT THE APPROPRIATE DCDOH REPRESENTATIVE REGARDING THE PROCEDURES INVOLVED.
- 7. A LICENSED DESIGN PROFESSIONAL SHALL SUPERVISE SYSTEM INSTALLATION; CERTIFY CONSTRUCTION IN ACCORDANCE WITH THE APPROVED PLAN AND FURNISH AN "AS—BUILT" PLAN PRIOR TO DCDOH CERTIFICATION.
- 8. INSPECTIONS OF SANITARY FACILITY CONSTRUCTION SHALL BE CONDUCTED JOINTLY BY A LICENSED DESIGN PROFESSIONAL AND DCDOH REPRESENTATIVE:
- a. PRIOR TO BACKFILLING DISPOSAL SYSTEM COMPONENTS.
 b. AFTER ADJUSTMENT OF THE PUMP OR SIPHON CHAMBER (DOSED OR PRESSURE DISTRIBUTION SYSTEMS ONLY).
- . ANY EXISTING OR PROPOSED WATER SUPPLY OR SEWAGE TREATMENT FACILITIES ARE SHOWN WITHIN A 200-FOOT RADIUS OF THE PROPOSED FACILITIES.
- 10. NO ROOF, FLOOR, FOOTING, COOLING WATER, SOFTENER BACKWASH, ETC. SHALL BE CONNECTED TO THE SEWAGE DISPOSAL SYSTEM AND ALL DISCHARGES SHALL BE DIRECTED AWAY FROM THE TREATMENT AREA.
- 11. NO VEHICULAR PARKING OR TRAFFIC SHALL BE ALLOWED ON ANY PORTION OF THE
- 12. THE APPROVED SEWAGE DISPOSAL SYSTEM AREA AND AN AREA 100—FEET DOWN SLOPE (RAISED BED SYSTEMS) SHALL REMAIN UNDISTURBED EXCEPT AS NECESSARY
- 13. THE OWNER OR DEVELOPER SHALL FURNISH THE PURCHASER OF A LOT DEPICTED ON THIS PLAN WITH A COPY OF THE APPROVED PLAN, OR IF CONSTRUCTED, AN ACCURATE AS—BUILT PLAN DEPICTING INSTALLED FACILITIES.

SOIL DEEP TEST RESULTS (10/18/22):

FOR INSTALLATION OF THE SYSTEM.

SEWAGE TREATMENT SYSTEM EXCEPT AS NOTED.

	HOLE	LOT	TOTAL DEPTH	ROCK DEPTH	WATER DEPTH	MOTTLING DEPTH	SOIL DESCRIPTION
	DT-1	4	7' 2"			=	0-12" Topsoil 12-42" Sandy Loam 42-86" run of bank
/	DT-2	4	7	>	ł		0-6" Topsoil 6-24" Sandy Loam 24-84" run of bank
/	DT-3	2	8'	25 77 8	. 	-	0-12" Topsoil 12-42" Sandy Loam 42-96" Fine sand
×	DT-4	2	7'	(())		-	0-6" Topsoll 6-18" Sandy Loam 18-84" run of bank
	DT-5	2	7'	7 <u>—</u> 7	-	<u></u>	0-6" Topsoil 6-30" Sandy Loam 30-84" run of bank

SOIL PERCOLATION TEST RESULTS (10/18/22-10/19/22):

Lot No.	Tost Hole No.	Test Hole Depth	Soll Type	Soaked	TEST RUNS						
			92 V. 30.		1	1	2	3	4	5	
	PT-1	24"	Sandy Loam	Yes	Finish						
	(24")		NOAT THE MILE THANKS AND	287	Start						
					Time	22 min	22 min	22 min			
	PT-1	36"	Sandy Loam	Yes	Finish						
	(36")		EX.		Start						
	(8)				Time	1:00	1:00	1:05	(min)		
	PT-2	24"	Sandy Loam	Yes	Finish						
		V. V. V. V.	A SOURCE AND A SOU	7- (1-manus) (,	200 0000	Start					
					Time	1:00	1:00	1:10	(min)		
	PT-3	24"	Sandy Loam	Yes	Finish						
	711411-00-1-00-1	17-711-2011			Stert						
		174			Time	1:00	1:00	1:00	(min)		
	PT-4	24"	Run of bank	Yes	Finish						
	(24")				Start				14		
		174			Time	28 min	29 min	29 mln	14		
	PT-4	32"	Run of bank	Yes	Finish						
	(32")	oa	To the Tall tensor responding of Self-Code	********	Stert						
	ABOUT THE A	114			Time	1:00	1:30	1:40	(min)		
	PT-5	24"	Sandy Loam	Yes	Finish						
	11001100000000	04-900	e aller en en en elle en en en en elle elle elle elle el	WASSES.	Start						
					Time	1:05	1:30	1:45	(min)		



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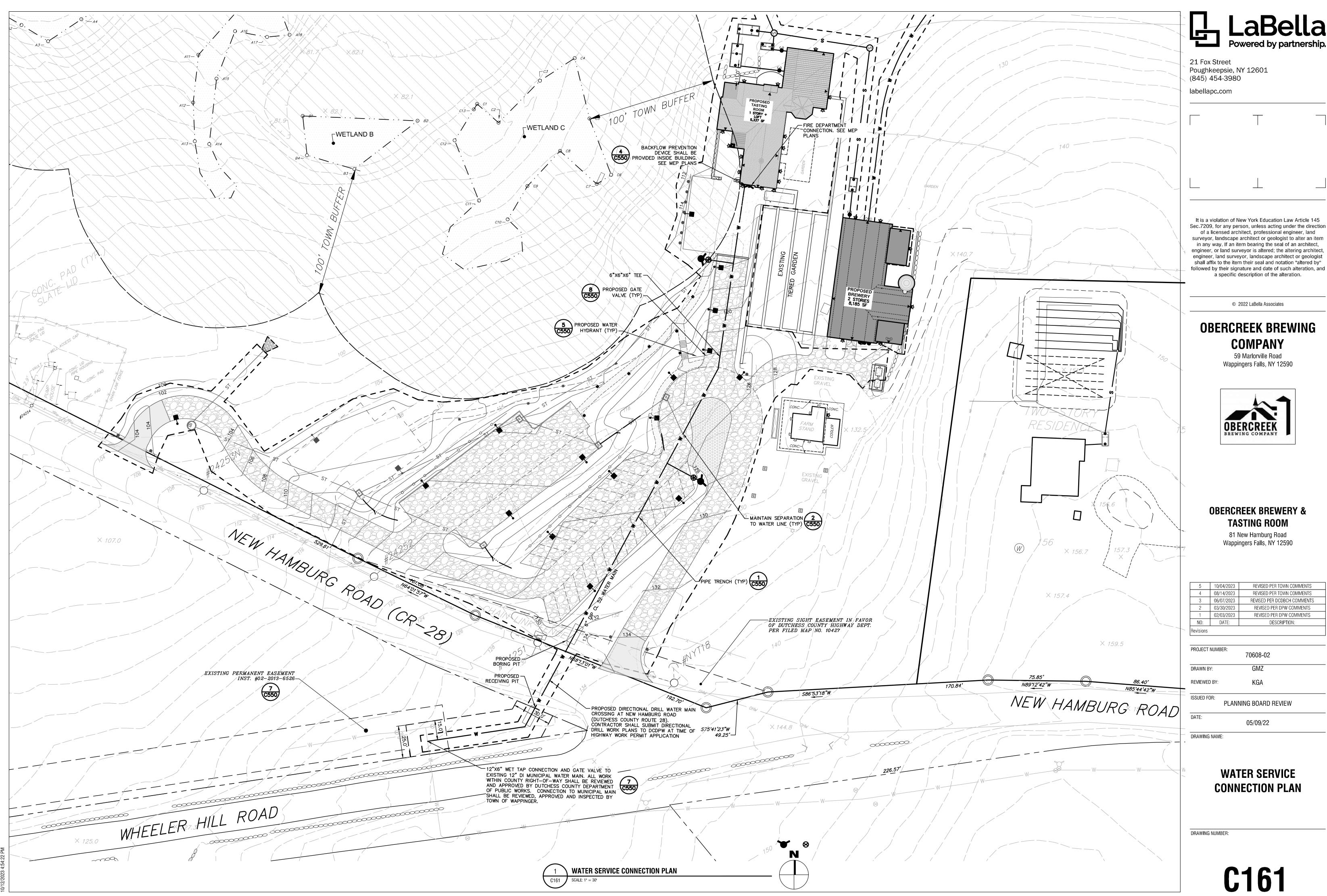
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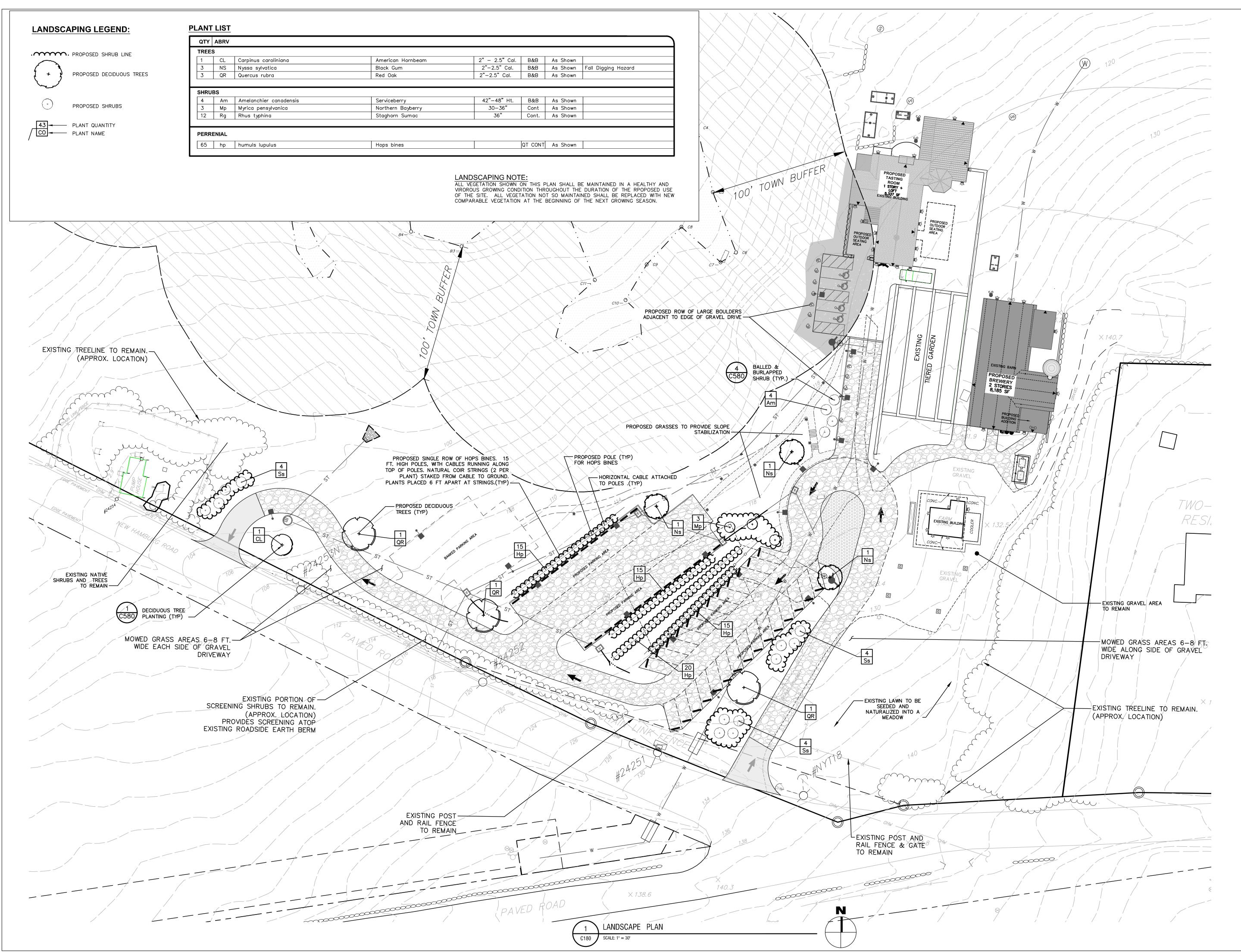
SUBSURFACE SEWAGE DISPOSAL SYSTEM PLAN

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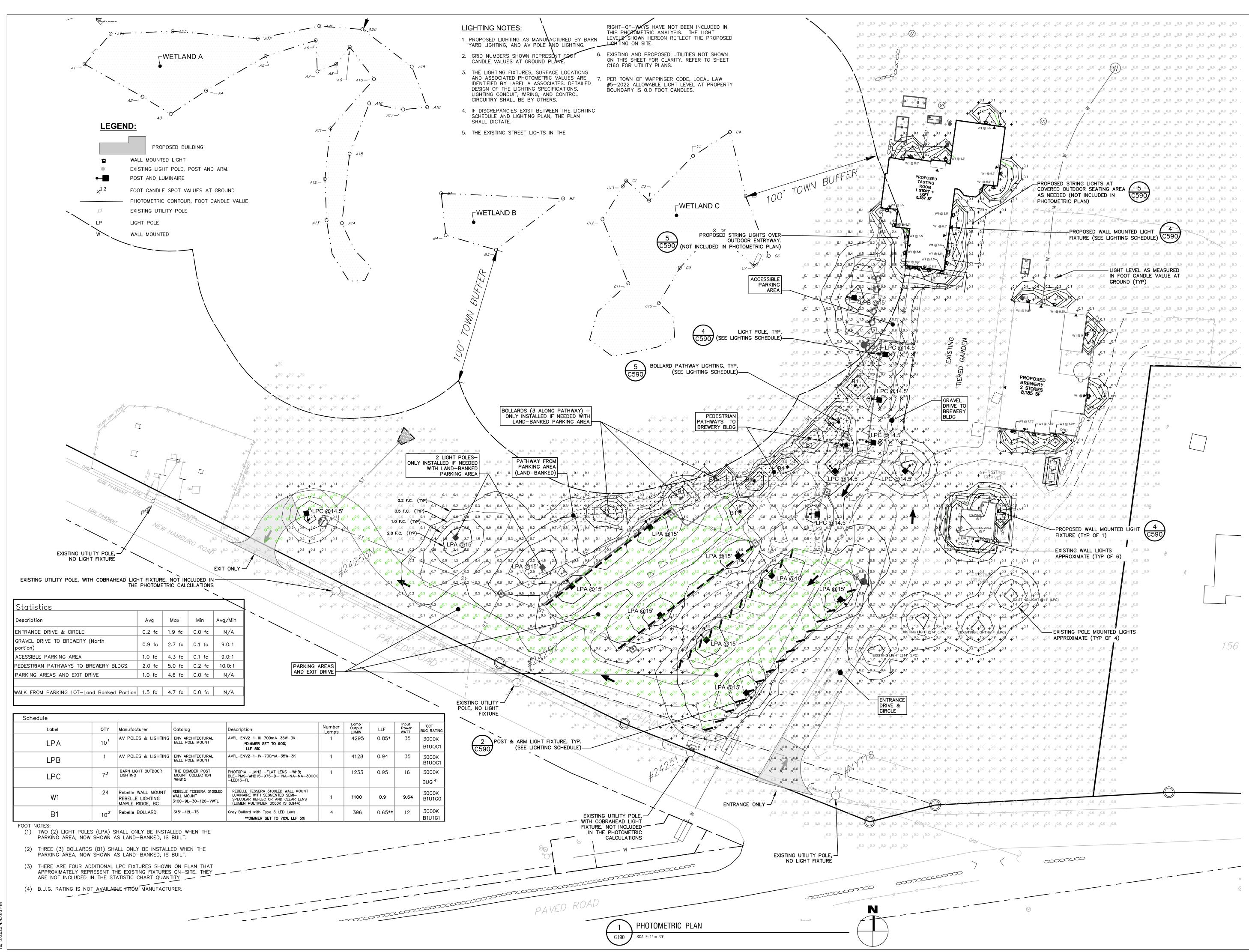
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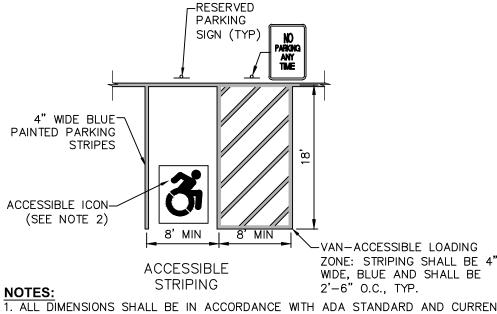
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OF CURBS AND FOR ADDITIONAL INFORMATION. **DUMPSTER PAD & ENCLOSURE DETAIL** SCALE: NOT TO SCALE

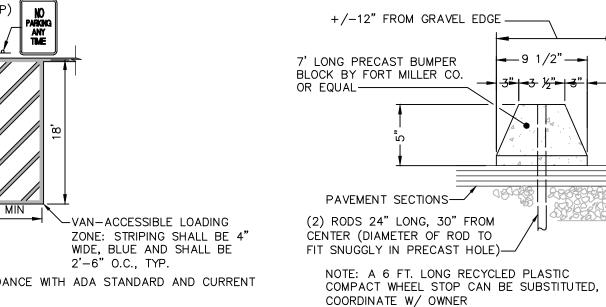


I. ALL DIMENSIONS SHALL BE IN ACCORDANCE WITH ADA STANDARD AND CURRENT ZONING AND SITE REGULATIONS.

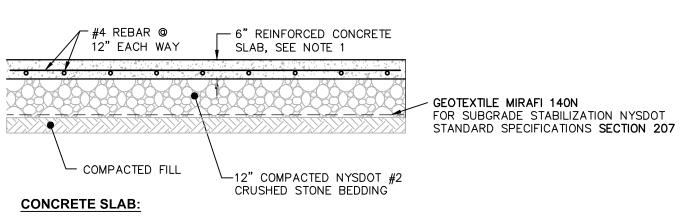
2. PAINTED ACCESSIBLE LOGO TO BE IN ACCORDANCE W/ NEW YORK STATE LAW. 3. SLOPE OF PAVEMENT SURFACE IN ACCESSIBLE PARKING AREA SHALL NOT EXCEED

1.5% IN ANY DIRECTION. 4. SEE PLAN FOR ACTUAL LOCATION OF SIGNAGE PAVEMENT MARKING DETAIL PARKING STRIPING

SCALE: NOT TO SCALE



PRECAST CONCRETE WHEEL STOP SCALE: NOT TO SCALE



1. MATERIAL AND METHODS OF CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION (NYSDOT) STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, DATED MAY 1, 2008, AND ALL ADDENDA THERETO.

2. CONCRETE SHALL HAVE A MINIMUM COMPRESSION STRENGTH OF 4500 PSI @ 28 DAY AND SHALL BE PLACED IN ACCORDANCE WITH ACI SPECIFICATIONS AND ITS LATEST REVISION. 3. REINFORCING STEEL FOR CONCRETE SHALL CONFORM WITH SECTION 556 -

REINFORCING STEEL FOR CONCRETE STRUCTURES OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS AND AS SPECIFICALLY CALLED OUT IN 4. ALL EXPOSED SURFACED SHALL HAVE A BROOM TEXTURED FINISH & TOOLED

EDGES. TOOL SHALL BE PROVIDE MAX 1-1/2" WIDE SMOOTH TROWEL FINISH

5. EXPANSION JOINTS SHALL BE LOCATED A MAXIMUM OF 20' ON CENTER, OR AS INDICATED ON PLANS.

6. CONTROL JOINTS SHALL BE LOCATED A MAXIMUM OF 5' ON CENTER, OR AS INDICATED ON PLANS.

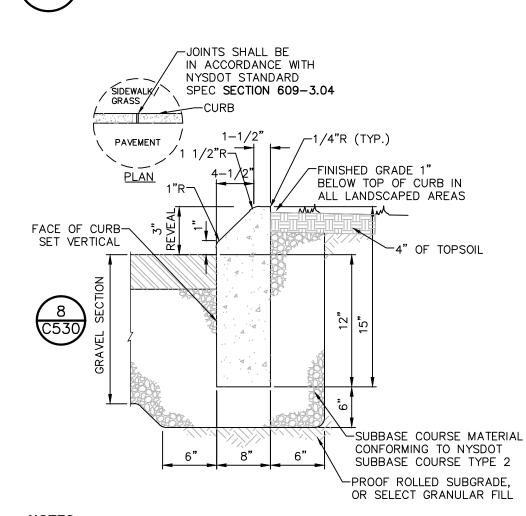
7. JOINTS SHALL NOT BE SAW CUT.

8. EXPOSED CONCRETE SURFACES SHALL BE TREATED WITH "SUREBOND"/"SAFEBOND" SB-7000 INTENSIFIER BRIGHT PROTECTOR AND SIDEWALK SEALER, OR EQUAL. RATE AND METHOD OF APPLICATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

9. SUBBASE MATERIAL SHALL CONFORM WITH SECTION 304 OF THE ABOVE REFERENCED NYSDOT STANDARD.

10. WHERE IT IS NECESSARY TO PLACE FILL FOR PURPOSE OF BRINGING THE SUBGRADE ELEVATION UP TO A SPECIFIED GRADE, THE FILL MATERIAL PLACED SHALL BE IN ACCORDANCE WITH SECTION 203-EXCAVATION AND EMBANKMENT OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS.



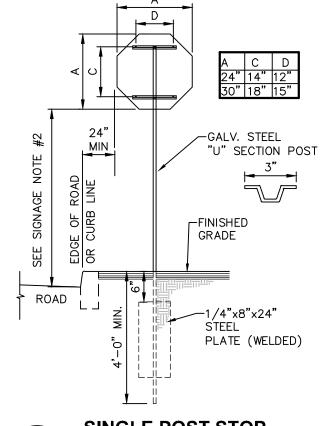


1. CONCRETE CURB SHALL BE INSTALLED IN ACCORDANCE WITH NYSDOT STANDARD SPECIFICATION SECTION 609.

2. PRECAST CONCRETE CURB MAY BE SUBSTITUTED, WHEN ALTERNATE CONSTRUCTION DETAILS ARE SUBMITTED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER. ALTERNATE CURB SHALL BE INSTALLED IN ACCORDANCE WITH NYSDOT SPEC SECTION 609.



CAST IN PLACE 3" CONCRETE CURB SCALE: NOT TO SCALE



SINGLE POST STOP SIGN MOUNTING DETAIL SCALE: NOT TO SCALE

ALL STRIPING SHALL CONFORM TO THE LATEST EDITION OF THE NYSDOT STANDARD SPECIFICATIONS, SECTION 640 AND THE "NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" -2009 EDITION AND THE "NYS SUPPLEMENT."

2. STRIPE PAVEMENT AS INDICATED ON THE PLANS AND OR II ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL

3. STRIPING WORK WILL BE REVIEWED AND ACCEPTED BY THE AUTHORITY HAVING JURISDICTION. 4. COLOR: DRIVE LANE DIVIDERS - WHITE OR AOBE NO PARKING ZONE WARNINGS - WHITE OR AOBE PARKING DIVIDERS - WHITE OR AOBE

WALKING LINES - WHITE OR AOBE

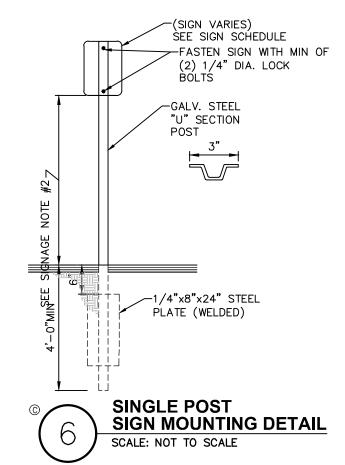
ACCESSIBLE PARKING LINES & SYMBOL - BLUE

SPECS **SECTION 730**.

SIGNAGE NOTES: ALL SIGNS SHALL CONFORM TO THE LATEST EDITION OF THE NYSDOT STANDARD SPECIFICATIONS, SECTION 645 AND THE "NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" -

2009 EDITION AND THE "NYS SUPPLEMENT." 2. SIGN MOUNTING HEIGHT SHALL BE A MINIMUM OF 7'. MINIMUM MOUNTING HEIGHT MAY BE ADJUSTED ONLY IN ACCORDANCE WITH PROVISIONS OUTLINED IN THE "NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" - 2009 EDITION AND THE "NYS

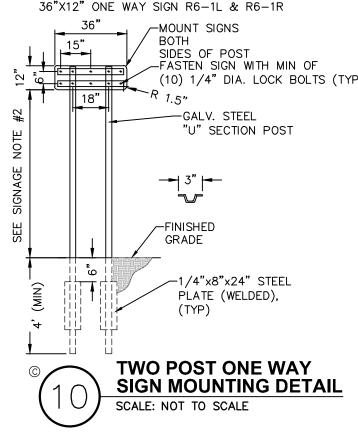
SUPPLEMENT." 3. SIGN POST SHALL BE IN ACCORDANCE W/ NYSDOT STANDARD

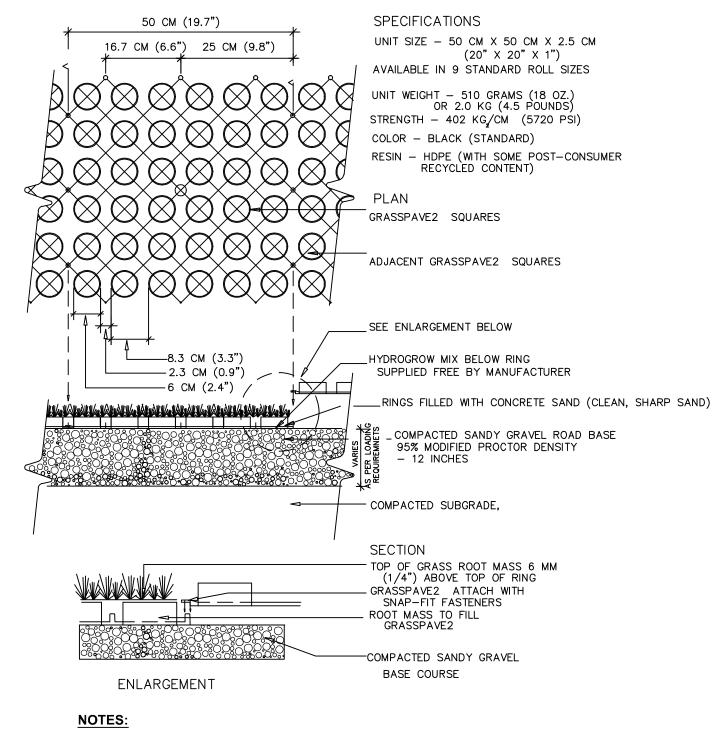


36"X12" ONE WAY SIGN R6-1L & R6-1R /-MOUNT SIGNS BOTH SIDES OF POST FASTEN SIGN WITH MIN OF (10) 1/4" DIA. LOCK BOLTS (TYP)

R 1.5"

GAI V. STEEL "U" SECTION POST -FINISHED GRADE -1/4"x8"x24" STEEL PLATE (WELDED), TWO POST ONE WAY

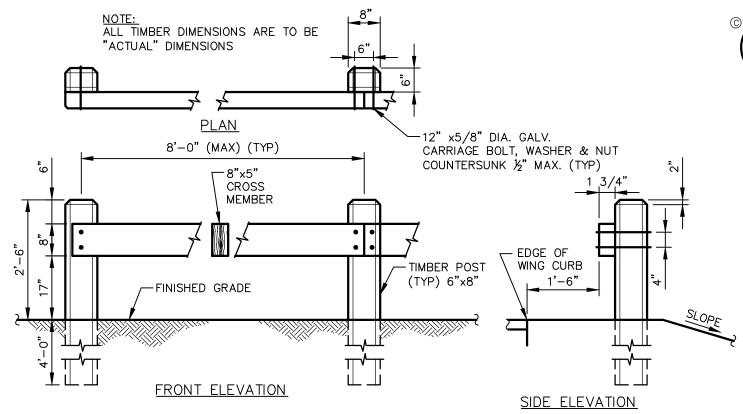




1. GRASS PAVER TO BE DESIGNED TO SUPPORT FIRE TRUCK LOADING. FIRE TRUCK WEIGHT

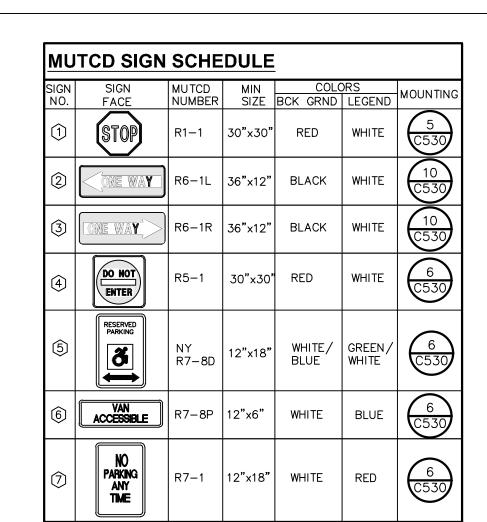
ESTIMATED TO BE 75,000 LBS.
2. GRASS PAVER MARKERS TO BE NEAR FLUSH WITH GROUND. 3. GRASS PAVER NOT TO BE SALTED. 4. GRASS PAVERS SHALL BE KEPT CLEAR OF SNOW IN WINTER. SNOW THROWER, SNOW BRUSH AND/OR SNOW PLOWING SHALL BE CONDUCTED IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.



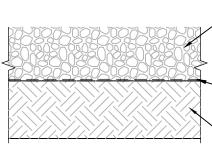


TIMBER GUIDERAIL

SCALE: NOT TO SCALE



SIGN SCHEDULE SCALE: NOT TO SCALE



12" GRAVEL MATERIAL CONFORMING WITH NYSDOT SUBBASE COURSE TYPE 2. COMPACTED TO 95% OF DRY DENSITY AS DETERMINED BY THE MODIFIED PROCTOR

-GEOTEXTILE MIRAFI 140N FOR SUBGRADE STABILIZATION NYSDOT STANDARD SPECIFICATIONS SECTION 207 - PROOF ROLLED SUBGRADE, OR COMPACTED SELECT GRANULAR FILL (SEE NOTE NO. 3).

1. MATERIALS AND METHODS OF CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION (NYSDOT) STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, DATED MAY 4, 2006, AND ALL ADDENDA THERETO; THE ONLY EXCEPTION BEING THAT THE WORK OF THIS CONTRACT SHALL BE MEASURED IN ENGLISH UNITS.

2. SUBBASE MATERIAL SHALL CONFORM WITH SECTION 304 - SUBBASE COURSE OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS AND THE TYPE CALLED OUT IN THESE DRAWINGS.

3. WHERE IT IS NECESSARY TO PLACE FILL FOR PURPOSES OF BRINGING THE SUBGRADE ELEVATION UP TO A SPECIFIED GRADE, THE FILL MATERIAL PLACED SHALL BE IN CONFORMANCE WITH SECTION 203-EXCAVATION AND EMBANKMENT OF THE ABOVE REFERENCED NYSDOT STANDARD SPECIFICATIONS.



GRAVEL DRIVEWAY SECTION DETAIL SCALE: NOT TO SCALE



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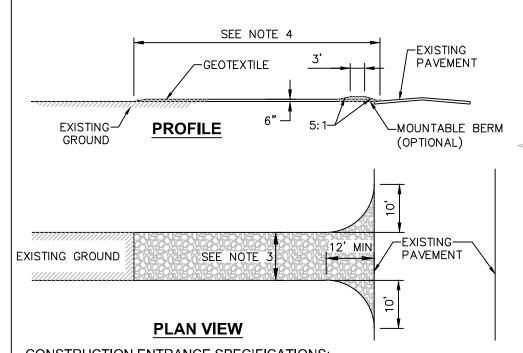
5	10/04/2023	REVISED PER TOWN COMMENTS
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NO:	DATE:	DESCRIPTION:
Revisions		

PROJECT NUMBER: 70608-02 DRAWN BY: REVIEWED BY: ISSUED FOR: PLANNING BOARD REVIEW

DATE: 05/09/22

DRAWING NAME:

SITE DETAILS



CONSTRUCTION ENTRANCE SPECIFICATIONS: . STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.

2. THICKNESS - NOT LESS THAN SIX (6) INCHES. 3. WIDTH - TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY FOUR (24) FEET IF SINGLE ENTRANCE TO SITE. 4. LENGTH - NOT LESS THAN 50' (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30' MINIMUM LENGTH WOULD APPLY). 5. GEOTEXTILE - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO

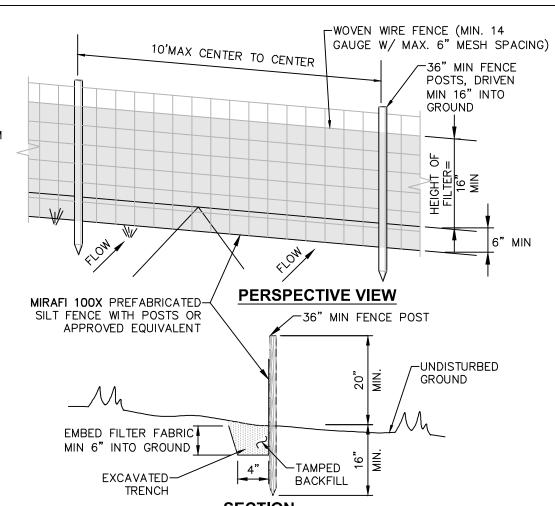
PLACING OF STONE. 6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.

7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE

REMOVED IMMEDIATELY. 8. WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED

SEDIMENT TRAPPING DEVICE. 9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN. STABILIZED

CONSTRUCTION ACCESS DETAIL SCALE: NOT TO SCALE



NOTES:

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES

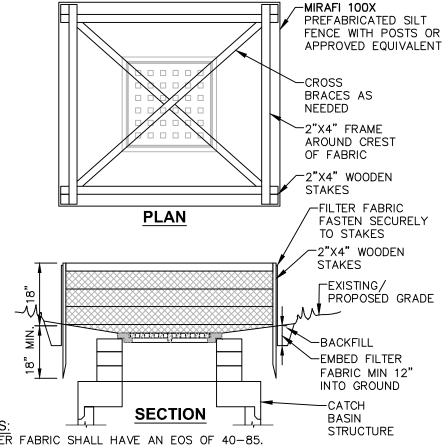
1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL "T" OR "U" TYPE OR HARDWOOD. 2. FILTER FABRIC TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 6"

MAX MESH OPENING. 3. WHEN TWO SECTIONS OF FILTER FABRIC ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY 6" AND FOLDED. 4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIALS REMOVED WHEN

"BULGES" DEVELOP IN THE SILT FENCE. 5. MAXIMUM DRAINAGE AREA FOR OVERLAND FLOW TO A SILT FENCE SHALL NOT EXCEED 1/4 ACRE PER 100 FEET OF FENCE. 6. SILT FENCE SHALL BE USED WHERE EROSION COULD OCCUR IN THE FORM OF

SHEET EROSION. 7. SILT FENCE SHALL NOT BE USED WHEN A CONCENTRATION OF WATER IS FLOWING TO THE BARRIER. 8. MAXIMUM ALLOWABLE SLOPE LENGTHS CONTRIBUTING RUN-OFF TO A SILT FENCE ARE: SLOPE STEEPNESS MAXIMUM SLOPE LENGTH(FT)





1. FILTER FABRIC SHALL HAVE AN EOS OF 40-85. 2. CUT FABRIC FROM CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED, OVERLAP TO THE NEXT STAKE. 3. STAKE MATERIALS WILL BE STANDARD 2"x4" WOOD OR EQUIVALENT, WITH A

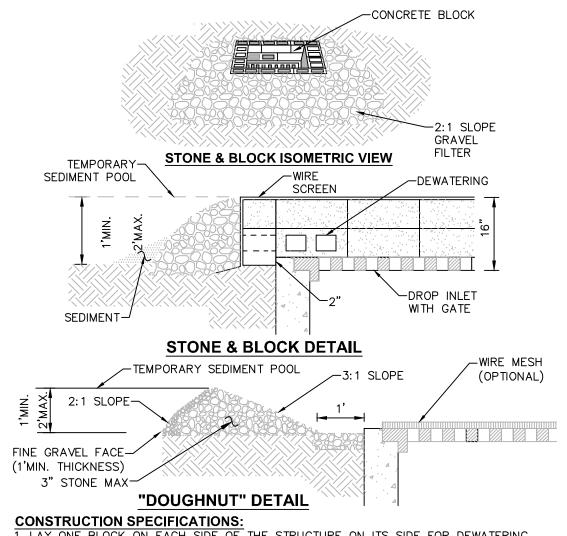
MINIMUM LENGTH OF 3 FEET.

DEEP. SPANS GREATER THAN 3 FEET MAY BE BRIDGED WITH THE USE OF WIRE MESH BEHIND FABRIC FOR SUPPORT. 5. FABRIC SHALL BE EMBEDDED 1 FOOT MINIMUM BELOW GROUND AND BACKFILLED. IT SHALL BE SECURELY FASTENED TO THE STAKES AND FRAME. 6. A 2"x4" WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE FABRIC FOR OVERFLOW STABILITY.

4. SPACE STAKES EVENLY AROUND INLET 3 FEET APART AND DRIVE MINIMUM 18"

7. MAXIMUM DRAINAGE AREA IS 1 ACRE. 8. INLET PROTECTION SHALL REMAIN IN-PLACE UNTIL SITE HAS BEEN STABILIZED.

TEMPORARY OUT OF PAVEMENT FILTER FABRIC DROP INLET PROTECTION DETAIL SCALE: NOT TO SCALE



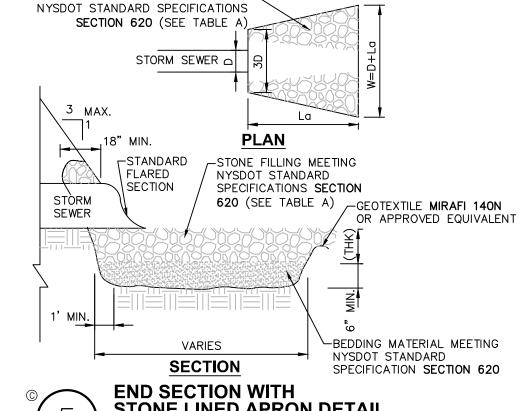
. LAY ONE BLOCK ON EACH SIDE OF THE STRUCTURE ON ITS SIDE FOR DEWATERING.

FOUNDATION SHALL BE 2 INCHES MINIMUM BELOW REST OF INLET AND BLOCKS SHALL BE PLACED AGAINST INLET FOR SUPPORT. 2. HARDWARE FABRIC OR 1/2" WIRE MESH SHALL BE PLACED OVER BLOCK OPENINGS TO SUPPORT STONE.

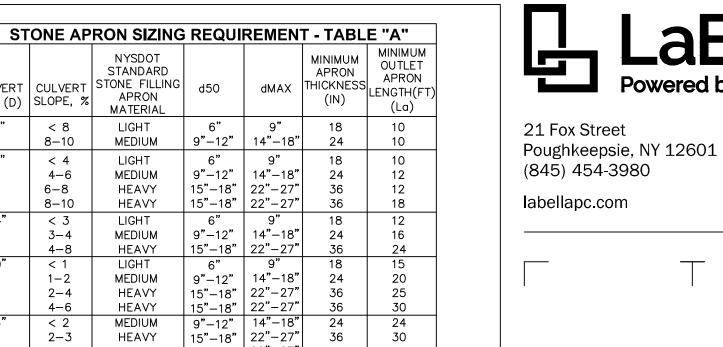
3. USE NYSDOT #4 CRUSHED STONE FILLING PLACED 2 INCHES BELOW TOP OF THE BLOCK ON A 2:1 SLOPE OR FLATTER. 4. FOR STONE STRUCTURES ONLY, A 1 FOOT THICK LAYER OF THE FILTER STONE WILL BE PLACED AGAINST THE 3 INCH STONE AS SHOWN ON THE DRAWINGS. MAXIMUM DRAINAGE AREA 1 ACRE.

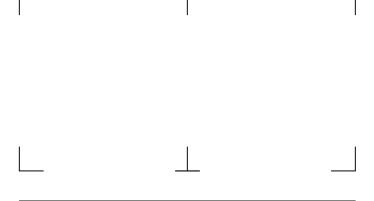
5. MAXIMUM DRAINAGE AREA IS 1 ACRE. CATCH BASIN STONE AND **BLOCK INLET PROTECTION DETAIL** SCALE: NOT TO SCALE

CULVERT DIA. (D)	CULVERT SLOPE, %	NYSDOT STANDARD STONE FILLING APRON MATERIAL	d50	dMAX	MINIMUM APRON THICKNESS (IN)	MINIMU OUTLE APRC LENGTH (La)
12"	< 8 8–10	LIGHT MEDIUM	6" 9"–12"	9" 14"–18"	18 24	10 10
18"	< 4 4-6 6-8 8-10	LIGHT MEDIUM HEAVY HEAVY	6" 9"–12" 15"–18" 15"–18"	9" 14"-18" 22"-27" 22"-27"	18 24 36 36	10 12 12 18
24"	< 3 3-4 4-8	LIGHT MEDIUM HEAVY	6" 9"–12" 15"–18"	9" 14"-18" 22"-27"	18 24 36	12 16 24
30"	< 1 1-2 2-4 4-6	LIGHT MEDIUM HEAVY HEAVY	6" 9"-12" 15"-18" 15"-18"	9" 14"–18" 22"–27" 22"–27"	36	15 20 25 30
36"	< 2 2-3 3-5	MEDIUM HEAVY HEAVY	9"-12" 15"-18" 15"-18"	14"-18" 22"-27" 22"-27"		24 30 36
42"	< 1 1-2 2-3	MEDIUM HEAVY HEAVY	9"-12" 15"-18" 15"-18"	14"-18" 22"-27" 22"-27"		28 35 42
48"	< 1 1-2 2-3	MEDIUM HEAVY HEAVY	9"-12" 15"-18" 15"-18"	14"-18" 22"-27" 22"-27"	24 36	32 40 48



STONE LINED APRON DETAIL SCALE: NOT TO SCALE





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NO:	DATE:	DESCRIPTION:
Revisions	D/(IL.	DEGOTIII HOW.

PROJECT NUMBER: 70608-02 DRAWN BY: REVIEWED BY: ISSUED FOR:

PLANNING BOARD REVIEW DATE:

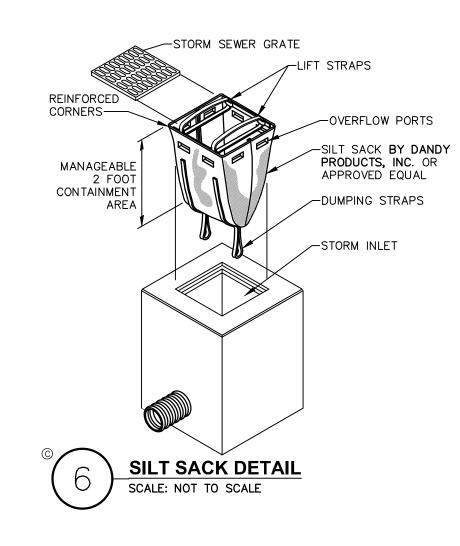
05/09/22 DRAWING NAME:

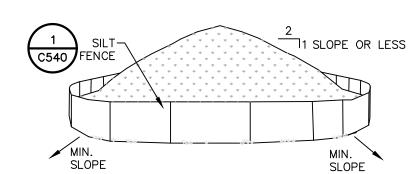
EROSION & SEDIMENT

CONTROL DETAILS

DRAWING NUMBER:

C540





. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY 2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 1V:2H.
3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH SILT FENCING, THEN STABILIZED WITH VEGETATION OR COVERED. 4. SEE SPECIFICATIONS FOR INSTALLATION OF SILT FENCE.

TEMPORARY SOIL STOCKPILE DETAIL

SCALE: NOT TO SCALE

ALL CONCRETE LETTERS ON -ANCHOR BALES WITH (2) 2"x2"x4' BACKGROUND STAKES PER BALE POLYETHYLENE -GALVANIZED "U" CHANNEL SHEETING BOTTOM OF SIGN -FINISH GRADE →BALES TO SIGN SHALL BE PLACED IN A PROMINENT LOCATION 0 0 0 0 0 AGGREGATE - AGGREGATE AT WASHOUT AREA SOIL EMBEDMENT EMBEDMENT WIRE (TYPICAL) STRAW BALE (TYPICAL) GRADE POLYETHYLENE SHEETING SEASONAL HIGH WOOD STAKE (TYPICAL) 12" MIN GROUNDWATER TABLE V └6" MIN DEPTH AGGREGATE ALL AROUND

NOTES:
1. CONTAINMENT MUST BE STRUCTURALLY SOUND

AND LEAK FREE AND CONTAIN ALL LIQUID 2. CONTAINMENT DEVICES MUST BE OF SUFFICIENT

QUANTITY OR VOLUME TO COMPLETELY CONTAIN

THE LIQUID WASTES GENERATED. 3. WASHOUT MUST BE CLEANED OR NEW FACILITIES CONSTRUCTED AND READY TO USE ONCE WASHOUT IS 75% FULL. THIS INCLUDES REPLACEMENT OF THE 10 MIL POLYETHLENE

LOCATION EASILY ACCESSIBLE BY CONCRETE TRUCKS. 5. ONE OR MORE AREAS MAY BE INSTALLED ON THE CONSTRUCTION SITE AND MAY BE RELOCATED AS CONSTRUCTION PROGRESSES.

4. WASHOUT AREA(S) SHALL BE INSTALLED IN A

6. AT LEAST WEEKLY, REMOVE ACCUMULATION OF SAND AND AGGREGATE AND DISPOSE OF

CONCRETE WASHOUT AREA DETAIL SCALE: NOT TO SCALE

PIPE TYPE & SIZE VARIES. SEE PLAN-

. PIPE BEDDING & PIPE ZONE BACKFILL SHALL BE A NATURAL RUN-OF-BANK (R.O.B.) SAND OR A MIXTURE OF CRUSHED STONE AND GRAVEL, FREE OF SOFT, NONDURABLE PARTICLES, ORGANIC MATERIALS AND ELONGATED PARTICLES, AND SHALL BE WELL GRADED FROM FINE TO COARSE PARTICLES. BEDDING GRADATIONS SHALL BE APPROVED BY THE ENGINEER AND SHALL MEET THE FOLLOWING GRADATION REQUIREMENTS:

SIEVE DESIGNATION **% PASSING** 100% NO. 40 0 - 70%NO. 200 0-10%

. TRENCH BACKFILL SHALL BE A NATURAL RUN-OF-BANK (R.O.B.) OR PROCESSED GRAVEL, OR EXCAVATED MATERIAL FREE OF SOFT. NONDURABLE PARTICLES, ORGANIC MATERIALS AND ELONGATED PARTICLES, AND SHALL BE WELL GRADED FROM FINE TO COARSE PARTICLES. TRENCH BACKFILL GRADATIONS SHALL BE APPROVED BY THE ENGINEER AND SHALL MEET THE FOLLOWING GRADATION REQUIREMENTS:

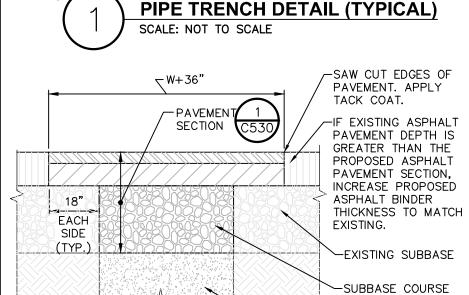
SIEVE DESIGNATION % PASSING 100% NO. 40 0 - 70%NO. 200 0-10%

IN NON-TRAFFIC UNPAVED AREAS TRENCH BACKFILL CAN BE MATERIALS EXCAVATED FROM THE TRENCH AS APPROVED BY THE ENGINEER AND COMPACTED TO 90% MODIFIED PROCTOR.

3. INSTALL CONTINUOUS DETECTABLE MARKING TAPE DURING BACKFILLING OF TRENCH FOR UNDERGROUND PIPING. LOCATE TAPE 12" BELOW FINISHED GRADE, DIRECTLY OVER PIPING, EXCEPT 6" BELOW SUBGRADE UNDER PAVEMENTS &

4. TRENCHING SHALL BE IMPLEMENTED IN ACCORDANCE WITH O.S.H.A. STANDARDS.

5. 5'-0" MIN COVER SHALL BE APPLIED TO WATER MAIN OR SANITARY SEWER FORCE MAINS ONLY.



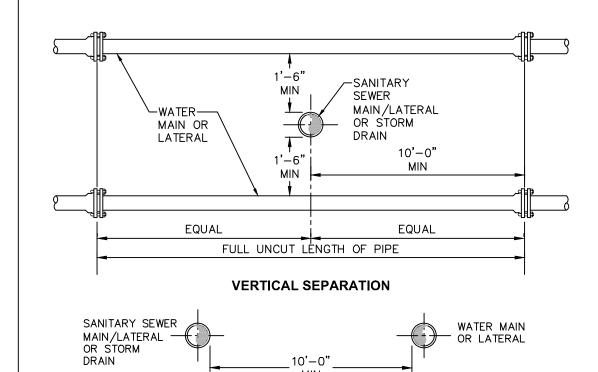
EXCAVATION "W" -TRENCH BACKFILL 1. SAW CUT AS INDICATED, 18" BEYOND EXCAVATION. 2. FURNISH, PLACE, AND COMPACT SUBBASE.

SCALE: NOT TO SCALE

LIMITS OF TRENCH

3. TACK COAT IN ACCORDANCE WITH NYSDOT STANDARD SPEC. 4. FURNISH AND PLACE ASPHALT CONCRETE PAVEMENT AS

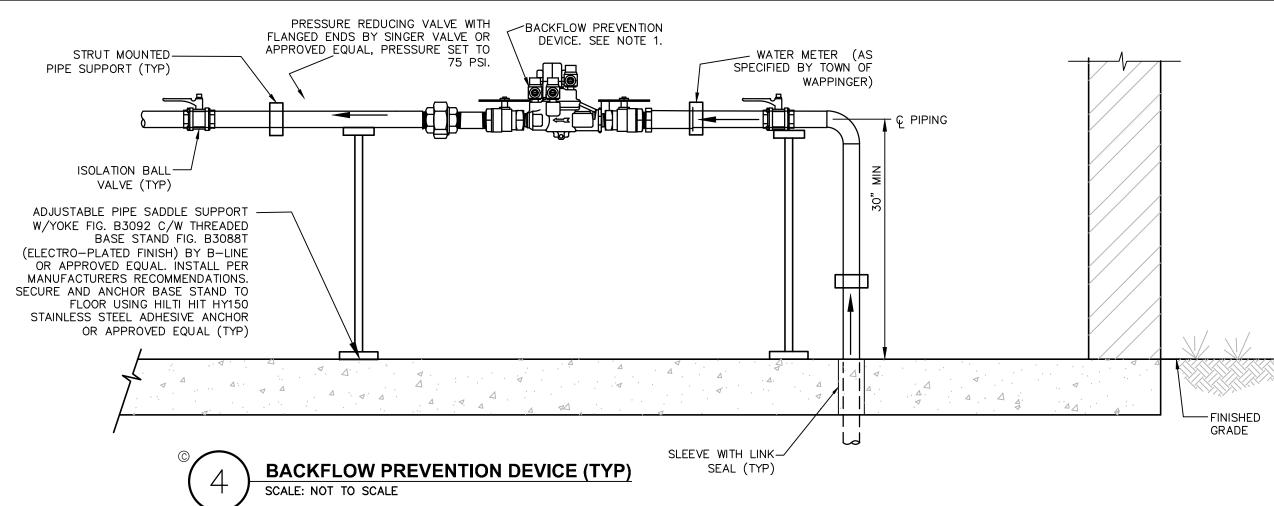
TRENCH SURFACE **RESTORATION IN ASPHALT PAVEMENT**



HORIZONTAL SEPARATION . NO DEVIATION IN THE SEPARATION REQUIREMENTS WILL BE PERMITTED WITHOUT THE EXPRESS APPROVAL OF THE NYS HEALTH DEPARTMENT. OFFSETTING OF

WATERLINE SHALL BE REQUIRED WHERE SEPARATION DISTANCES CANNOT BE MAINTAINED. 2. WHEN IT IS IMPOSSIBLE TO OBTAIN VERTICAL SEPARATION AS INDICATED ABOVE, BOTH THE WATER MAIN AND THE SEWER MAIN SHALL BE CONSTRUCTED OF MECHANICAL JOINT, DUCTILE IRON PIPE OR PVC WATER WORKS GRADE PRESSURE PIPE FOR 10' EACH SIDE OF CROSSING AND SHALL

BE PRESSURE TESTED TO 150psi TO ASSURE WATER TIGHTNESS. SANITARY/STORM SEWER AND WATERMAIN SEPARATION DETAIL SCALE: NOT TO SCALE



NOTES:

1. BACK FLOW PREVENTION DEVICE TO BE SPECIFIED BY MEP AND PROVIDED TO DCDOH FOR APPROVAL PRIOR TO CONSTRUCTION.

2. ALL DOUBLE CHECK VALVE (DCV) AND REDUCED PRESSURE ZONE (RPZ) BACKFLOW PREVENTION DEVICE SHALL BE INSTALLED AS PER THE JANUARY 1992 NYSDOH "GUIDELINES FOR DESIGNING BACKFLOW PREVENTION ASSEMBLY INSTALLATIONS".

3. PROVIDE THE FOLLOWING CLEARANCES FOR MAINTENANCE OF THE BACKFLOW PREVENTION DEVICE: - 12" MIN CLEAR SPACE ABOVE THE ASSEMBLY

- 30" MIN OF CLEAR SPACE BETWEEN THE FRONT SIDE OF THE DEVICE AND THE NEAREST WALL OR OBSTRUCTION

- 8" MIN OF CLEAR SPACE FROM THE BACK SIDE OF THE DEVICE TO THE NEAREST WALL OR OBSTRUCTION

- 18" MIN CLEARANCE BETWEEN THE BOTTOM OF THE RELIEF VALVE AND THE FLOOR (RPZ - AN AIR GAP OF AT LEAST TWICE THE DIAMETER OF THE DRAIN LINE SHALL BE PROVIDED ABOVE THE FLOOR DRAIN. THE AIR GAP SHALL IN NO CASE BE LESS THAN 1 INCH (RPZ

4. FOLLOWING COMPLETION OF THE INSTALLATION, THE OWNER SHALL BE RESPONSIBLE FOR TESTING. THE BACKFLOW PREVENTION DEVICE SHALL BE TESTED BY A NYSDOH FORM 1013 AND PROVIDED

VALVE BOX

VALVE

2. TAPPING SLEEVE AND VALVE SUPPORT SHALL BE COORDINATED WITH

4. VALVE OPERATING DIRECTION SHALL BE COUNTERCLOCKWISE TO OPEN

5. TAPPING SLEEVE SHALL BE SELECTED TO FIT EXISTING PIPE MATERIAL

6. THRUST BLOCK IS REQUIRED WHERE THE BRANCH OF THE TAPPING

7. TAPPING SLEEVE, VALVE & VALVE BOX SHALL BE IN ACCORDANCE

WITH MUNICIPAL STANDARDS & AS MANUFACTURED BY (MUELLER,

3. MINIMUM DISTANCE TO JOINTS, FITTINGS, OR OTHER WET TAPS OR

THE ENGINEER TO SUIT FIELD CONDITIONS.

(C.I., D.I., A.C.) AND OUTSIDE DIAMETERS.

SLEEVE DOES NOT HAVE RESTRAINED JOINT.

CLOW OR WATROUS) OR APPROVED EQUIVALENT.

FULL BODIED-

EXISTING-

JURISDICTION.

STOPS SHALL BE 3 FEET

TURNING LEFT).

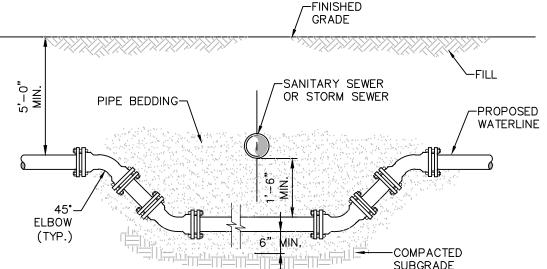
TAPPING SLEEVE

WATER MAIN

GASKETS-

TO OWNER AND DCDOH. 5. THE OWNER SHALL BE RESPONSIBLE FOR TESTING ALL BACKFLOW PREVENTION DEVICES AT LEAST ANNUALLY. THE TEST SHALL BE COMPLETED BY A NYS CERTIFIED TESTER WITH A COPY OF THE INSPECTION AND TEST REPORT (DOH-1013) FORWARDED TO DUTCHESS COUNTY WATER &

WASTEWATER SUTHORITY AND THE DUTCHESS COUNTY DEPARTMENT OF HEALTH. 6. ALL BACKFLOW PREVENTION DEVICES SHALL BE COMPLETELY DISASSEMBLED AND RE-ASSEMBLED EVERY FIVE (5) YEARS FOR MAINTENANCE PURPOSES.



. WHEN THE ELEVATION OF THE SEWER CAN NOT BE VARIED TO MEET THE ABOVE REQUIREMENTS, THE WATER MAIN SHALL BE RELOCATED TO PROVIDE THIS REQUIRED SEPARATION.

2. WHEN IT IS IMPOSSIBLE TO OBTAIN VERTICAL SEPARATION AS INDICATED ABOVE, BOTH THE WATER MAIN AND THE SEWER MAIN SHALL BE CONSTRUCTED OF MECHANICAL JOINT DUCTLE IRON PIPE OR PVC WATER WORKS GRADE PRESSURE PIPE FOR 10' EACH SIDE OF CROSSING AND SHALL BE PRESSURE TESTED TO 150psi TO ASSURE WATER TIGHTNESS.



WATERLINE OFFSET DETAIL SCALE: NOT TO SCALE

WATER LINE NOTES:

1. THE WATER LINE MAY BE FLEXED WITHIN PIPE SPECIFICATIONS OR LAID DEEPER IN AREAS WHERE A CROSSING WITH A SANITARY LINE OCCURS, TO ACHIEVE THE REQUIRED 1.5' VERTICAL SEPARATION DISTANCE. IF THIS DISTANCE CANNOT BE REASONABLY ACHIEVED, THE CONTRACTOR SHALL USE PRESSURE RATED SANITARY SEWER PIPE OF EQUAL OR GREATER RATING THAT THE PRESSURE CLASS FOR THE WATER LINE.

INCHES MEASURED FROM THE OUTSIDE OF THE PIPES AT THE POINT OF CROSSING. IN ADDITION, WHEN THE WATER LINE PASSES UNDER A SEWER, ADEQUATE STRUCTURAL SUPPORT (COMPACTED SELECT FILL) SHALL BE PROVIDED FOR THE SEWER TO PREVENT EXCESSIVE DEFLECTION OF JOINTS AND SETTLING OF THE SEWER PIPE ON THE WATER LINE. MINIMUM HORIZONTAL SEPARATION BETWEEN PARALLEL WATER LINES AND SEWER PIPES (INCLUDING MANHOLES AND VAULTS) SHALL BE 10 FEET MEASURED FROM THE OUTSIDE OF THE PIPES, MANHOLES OR VAULTS.

3. ALL WATER LINES SHALL HAVE A MINIMUM OF (5) FIVE FEET OF COVER FROM THE TOP OF THE LINE TO FINISHED GRADE. THE CONTRACTOR SHALL CHECK ALL FINISHED GRADE STAKES BEFORE TRENCHING TO ENSURE THAT ALL INSTALLED WATER LINES WILL HAVE THE REQUIRED COVER.

4. THE CONTRACTOR SHALL COORDINATE THE TESTING WITH THE WATER DEPARTMENT SO AS TO MAINTAIN THE AMOUNT OF SERVICE INTERRUPTION TO EXISTING USERS TO THE LEAST EXTENT PRACTICABLE. WATER LINE INSTALLATION AND TESTING SHALL BE PERFORMED UNDER THE SUPERVISION OF THE PROJECT ENGINEER OR HIS DESIGNEE AS NECESSARY TO MEET CONDITIONS IN NOTE 5 ABOVE.

5. ALL NEW WATER LINE INSTALLATIONS SHALL BE HYDROSTATICALLY TESTED IN ACCORDANCE WITH AWWA STANDARD C 600(LATEST REVISION) AT A PRESSURE OF 150 PSI, OR 1.5 TIMES (AS REFERENCED ABOVE) THE WORKING PRESSURE OF THE SYSTEM AS A MINIMUM. ALLOWABLE LEAKAGE OF THIS TEST SHALL BE AS DEFINED IN SECTION 4.2 OF SAID AWWA SPECIFICATION.

6. APPROVED AND TESTED WATER LINE SHALL BE DISINFECTED PER AWWA SECTION C 2. MATERIALS USED IN CONSTRUCTION THAT WILL CONTACT POTABLE 651 (AS REFERENCED ABOVE), AS DIRECTED BY ENGINEER.

7. THE WATER LINE SHALL BE DISINFECTED EQUAL TO AWWA STANDARD FOR DISINFECTING WATER MAINS DESIGNATION C651 (LATEST REVISION). FOLLOWING DISINFECTION. THE WATER MAIN SHALL BE FLUSHED UNTIL THE CHLORINE CONCENTRATION IN THE WATER LEAVING THE MAIN IS NO HIGHER THAN THAT GENERALLY PREVAILING IN THE SYSTEM. THE PROJECT ENGINEER OR HIS DESIGNEE SHALL ALSO WITNESS DISINFECTION AND FLUSHING.

8. FIRE HYDRANTS WEEP HOLES (DRAINS) SHALL BE PLUGGED WHEN GROUND WATER IS ENCOUNTERED WITHIN SEVEN FEET OF THE FINISHED GRADE. WHEN DRAINS ARE PLUGGED. THE BARRELS MUST BE PUMPED DRY AFTER USE DURING FREEZING WEATHER. SUCH HYDRANTS SHALL BE IDENTIFIED BY MARKINGS APPROVED BY THE TOWN WATER DEPARTMENT.

PROPOSED WATER METERS LOCATED WITHIN THE METER PIT OR BUILDING SHALL BE A COMPATIBLE REMOTE STYLE TYPE, AND SHALL BE APPROVED BY THE TOWN WATER DEPARTMENT PRIOR TO INSTALLATION.

HIGH POINTS OR LOW POINTS. 11. FINAL WATER DISTRIBUTION SYSTEM IS SUBJECT TO REVIEW, REVISION AND APPROVAL

BY THE TOWN WATER DEPARTMENT.

12. ALL WATER LINES AND RELATED APPURTENANCES SHALL BE CONSTRUCTED TO THE LATEST STANDARDS AND SPECIFICATIONS OF THE TOWN. 13. THE WATER LINE SHALL NOT BE PLACED INTO SERVICE UNTIL SO AUTHORIZED BY THE

14. ALL WATER SERVICE CONSTRUCTION SHALL BE SUBJECT TO INSPECTION BY THE 5. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN EXCAVATING FOR TOWNWATER DEPARTMENT PRIOR TO BACKFILLING

15. THE SITE UTILITY CONTRACTOR SHALL BE RESPONSIBLE FOR ALL BURIED PIPING TO THE LOCATION OF THE PROPOSED BUILDING CONNECTION POINT (I.E. INSIDE THE BUILDING). THIS INCLUDES THE TESTING AND CERTIFICATION OF ALL WATER SERVICE WORK FROM THE TOWNWATER CONNECTION POINT TO THE PROPOSED BUILDINGS INTERIOR CONNECTION POINT.

ADDITIONAL THRUST-

BLOCKING AS REQ'D

∕STANDARD 6" MJ HYDRANT

(HEAD ORIENTATION A.O.B.E.)

16. ALL WATER SERVICE PIPING INSTALLATION, BACKFILL AND TESTING SHALL BE REVIEWED, AND APPROVED BY THE TOWN WATER MAINTENANCE SUPERVISOR OR HIS DESIGNEE

ANCHORING PIPE REQUIRED FOR

OTHER RESTRAINT OPTION MAY

BE USED ONLY WITH APPROVAL

WATER DISINFECTION NOTES:

. APPROVED AND TESTED WATER MAIN SHALL BE DISINFECTED PER A.W.W.A. SECTION C651, LATEST EDITION. TABLET OR POWDERED

METHOD IS NOT ALLOWED. 2. THE CONTRACTOR SHALL NOTIFY THE MUNICIPALITY AND THE PROJECT

ENGINEER 48 HOURS PRIOR TO DISINFECTING THE SERVICE LINES.

MINIMUM VERTICAL SEPARATION BETWEEN WATER LINES AND SEWER PIPE SHALL BE 18 3. DISINFECTED WATER MUST REMAIN IN THE WATER MAINS FOR A MINIMUM OF 24 HOURS BEFORE BEING THOROUGHLY FLUSHED OUT.

> 4. WATER SERVICE LINES SHALL BE DISINFECTED AS PER AWWA SECTION C651 WHERE: A. CHLORINE CONCENTRATION IN WATER LINES SHALL BE NO LESS THAN 50 MG/L AT START OF 24-HOUR TEST. B. CHLORINE RESIDUAL SHALL BE NO LESS THAN 10 MG/L AT END OF TEST.

5. PRIOR TO RECEIVING CERTIFICATE OF OCCUPANCY, MICROBIOLOGICAL SAMPLES SHALL BE COLLECTED FROM BOTH ENDS AND THE MIDDLE OF EACH NEW LINE. ALL LINES SHALL NOT BE USED UNTIL MICROBIOLOGICAL SAMPLES ARE ACCEPTED BY THE TOWN. RESULTS OF ALL MICROBIOLOGICAL TESTING SHALL BE SUBMITTED TO THE TOWN ALONG WITH ENGINEER'S CERTIFICATE OF COMPLETION.

WATER NOTES:

I. SHEETING AND EXCAVATION BRACING FOR THE WATERMAIN INSTALLATION SHALL BE PROVIDED IN ACCORDANCE WITH OSHA REQUIREMENTS TO SUIT EXISTING SOIL CONDITIONS. SHEETING, IF REQUIRED, SHALL BE TIGHT WOOD SHEETING AND SHALL BE LEFT IN PLACE, AND AFTER BACKFILLING SHALL BE CUT AT GROUND LEVEL OR AS ORDERED BY THE OWNER'S REPRESENTATIVE.

WATER SHALL BE ANSI/NSF 61 CERTIFIED OR EQUIVALENT.

GENERAL CONSTRUCTION NOTES:

. ALL UTILITY WORK INVOLVING CONNECTION TO EXISTING MUNICIPAL WATER MAIN SHALL BE COORDINATED WITH OWNER AND OWNER'S REPRESENTATIVE. NOTIFY OWNER AND THE OWNER'S REPRESENTATIVE 3 WORKING DAYS BEFORE CONNECTION IS MADE.

. THE CONTRACTOR SHALL VERIFY THE PRESENCE OF AND EXACT LOCATION OF ALL UTILITIES PRIOR TO COMMENCING ANY EXCAVATION WORK AS THE EXACT LOCATION OF UTILITIES MAY DIFFER FROM THE LOCATION SHOWN, AND ADDITIONAL UTILITIES MAY EXIST.

3. THE CONTRACTOR SHALL REVIEW ALL FIELD UTILITY MARKOUT INFORMATION AND BRING ANY CONFLICTS TO THE ATTENTION OF THE PROJECT ENGINEER PRIOR TO COMMENCING ANY WORK OPERATIONS. TEST PITS MAY BE REQUIRED BY THE CONTRACTOR TO VERIFY ACTUAL UTILITY LOCATIONS AND/OR DEPTHS. TEST PIT OPERATIONS 10. THE WATER LINE SHALL BE INSTALLED AT A CONTINUOUS GRADE WITH NO ABRUPT WILL MEET ALL NECESSARY REQUIREMENTS AS SET FORTH IN THESE PLANS, DETAILS, FEDERAL/STATE/LOCAL REGULATIONS AND ANY SPECIFIC PERMIT REQUIREMENTS.

> 4. THE CONTRACTOR SHALL PERFORM EXPLORATORY EXCAVATIONS AT ALL UTILITY CONNECTION LOCATIONS AND AS NEEDED TO VERIFY EXISTING CONDITIONS PRIOR TO PERFORMING WORK. THE CONTRACTOR SHALL NOTIFY THE OWNER AND OWNER'S REPRESENTATIVE 3 WORKING DAYS PRIOR TO SUCH EXCAVATIONS TO ENSURE THEIR

THE PROPOSED STRUCTURES AND WATER LINES AS THE EXACT LOCATION OF UNDERGROUND STRUCTURES AND UTILITIES ARE NOT KNOWN. ANY DAMAGE TO EXISTING STRUCTURES/UTILITIES ABOVE OR BELOW GRADE, CAUSED BY THE CONTRACTOR SHALL BE REPAIRED IMMEDIATELY BY THE CONTRACTOR AT HIS OWN EXPENSE.

1. HYDRANTS SHALL BE MUELLER SUPER CENTURION 250 OR

JURISDICTION. HYDRANTS SHALL MEET REQUIREMENTS OF

DESIGN, COMPRESSION-TYPE VALVE, OPENING AGAINST

MECHANICAL JOINT INLET FOOT PIECE, 5 1/4 INCH MAIN

250-PSI WORKING PRESSURE, TWO (2) 2 1/2 INCH HOSE

DEPARTMENT REQUIREMENTS AND HAVE CAST IRON CAPS

NUTS: PENTAGON 1 1/2 INCH POINT TO FLAT. HYDRANT

. HYDRANTS SHALL BE TRAFFIC TYPE WITH BREAKABLE

FNAMEL PAINT HYDRANTS SHALL BE TOUCHED UP TO

REMOVE ANY MARKS OR SCRAPED PAINT CAUSED BY

SAFETY FLANGE WITH RED EXTERIOR ALKYD GLOSS

VALVES SHALL BE OPENED BY TURNING OPERATING NUT

WITH NON-KINKING STEEL CHAINS. OPERATING AND CAP

VALVE OPENING, O-RING TYPE PACKING, RATED FOR

NOZZLES AND ONE (1) 4 1/2 INCH PUMPER NOZZLE.

3. NOZZLE OUTLET THREADS SHALL MEET LOCAL FIRE

TO THE LEFT, OR COUNTERCLOCKWISE.

APPROVED EQUIVALENT BY THE AUTHORITY HAVING

PRESSURE AND CLOSING WITH PRESSURE, 6-INCH

AWWA STANDARD C-502.

INSTALLATION OR TRANSIT.

21 Fox Street Poughkeepsie, NY 12601 (845) 454-3980

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OBERCREEK BREWING

59 Marlorville Road Wappingers Falls, NY 12590



OBERCREEK BREWERY & TASTING ROOM

81 New Hamburg Road Wappingers Falls, NY 12590

08/14/2023 06/07/2023	REVISED PER TOWN COMMENTS REVISED PER DCDBCH COMMENTS
06/07/2023	REVISED PER DCDBCH COMMENTS
03/30/2023	REVISED PER DPW COMMENTS
02/03/2023	REVISED PER DPW COMMENTS
DATE:	DESCRIPTION:
	2/03/2023

PROJECT NUMBER: 70608-02 DRAWN BY: REVIEWED BY

ISSUED FOR: PLANNING BOARD REVIEW

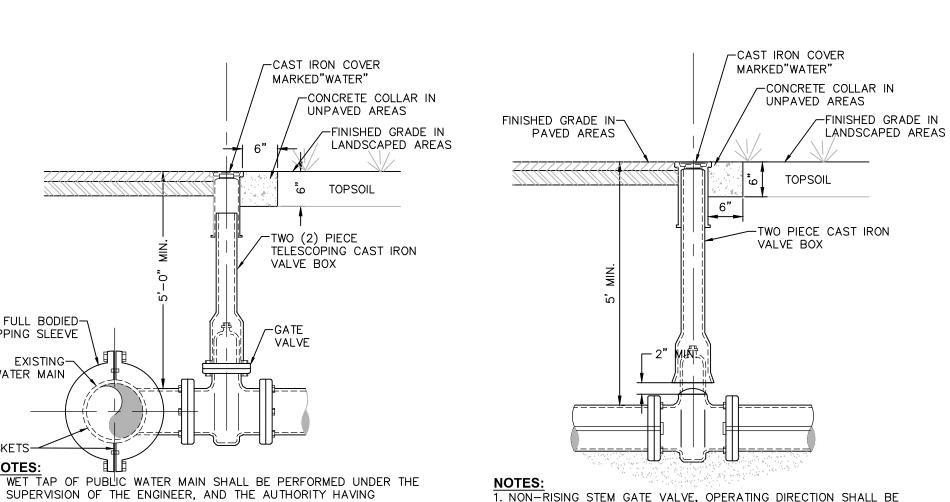
05/09/22

DRAWING NAME:

DATE:

WATER DETAILS

DRAWING NUMBER:



1. NON-RISING STEM GATE VALVE, OPERATING DIRECTION SHALL BE COUNTERCLOCKWISE TO OPEN.

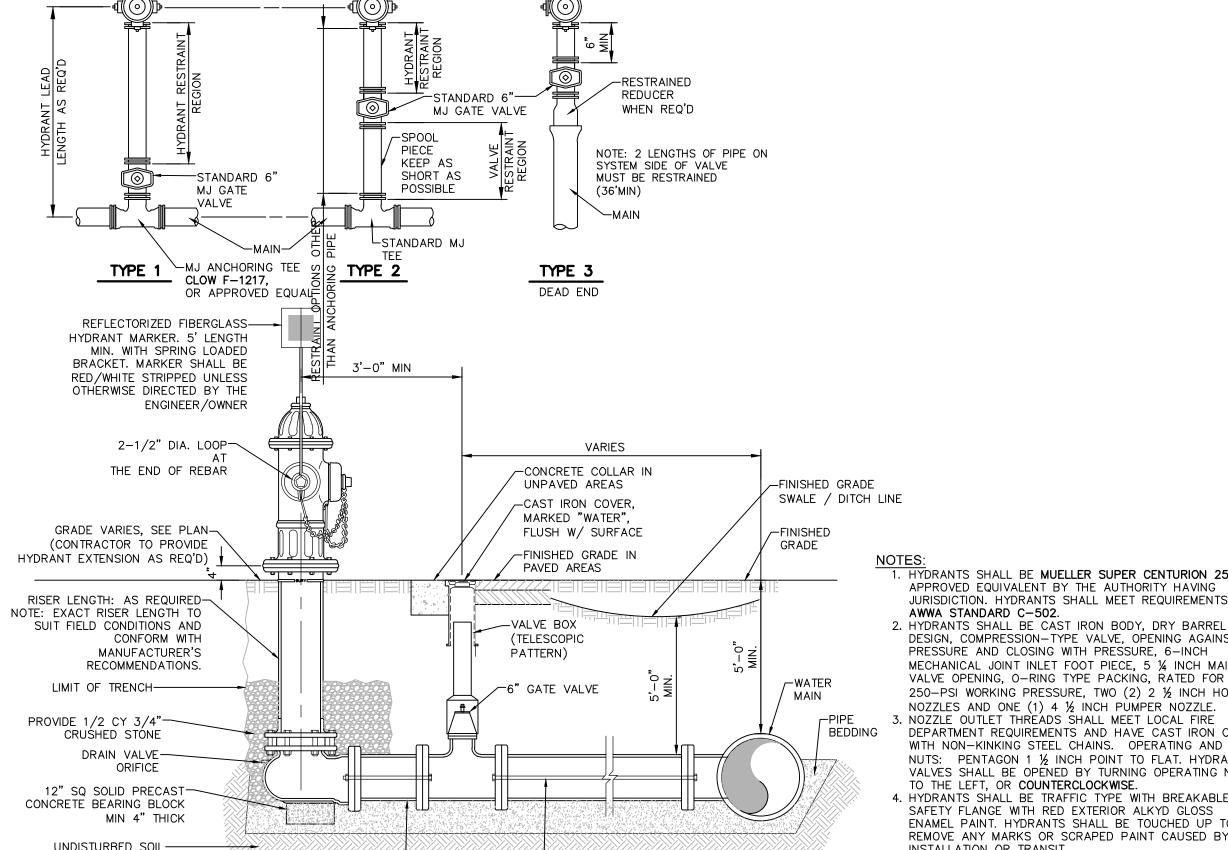
IRON NUTS AT 180° SPACING SHALL BE USED FOR RODDING VALVES. FOR 12" DIA. PIPE OR LESS. FOR LARGER PIPE SIZES, SEE TABLE FOR NUMBER OF TIE RODS REQUIRED—"JOINT RESTRAINT OPTION DETAILS.) 4. GATE VALVE & VALVE BOX SHALL BE IN ACCORDANCE WITH MUNICIPAL

SCALE: NOT TO SCALE

2. MINIMUM DISTANCE TO JOINTS, FITTINGS, OR OTHER WET TAPS OR STOPS 3. IF VALVE IS TO BE RODDED, PROVIDE VALVE WITH RODDING FLANGES OR EYEBOLTS. TWO (2) 3/4" Ø GALVANIZED STEEL RODS WITH MALLEABLE

STANDARDS & AS MANUFACTURED BY (MUELLER, CLOW OR WATROUS) OR APPROVED EQUIVALENT.

TYPICAL GATE VALVE DETAIL



UNDISTURBED SOIL

6"ø DUCTILE -3/4" ø GALVANIZED STEEL RODS IRON PIPE

W/MALLEABLE IRON NUTS AT 180° SPACING HYDRANT SHALL MEET REQUIREMENTS OF AWWA C502.

HYDRANT ASSEMBLY DETAIL SCALE: NOT TO SCALE

TAPPING SLEEVE AND VALVE DETAIL SCALE: NOT TO SCALE

1. PIPE BEDDING & PIPE ZONE BACKFILL SHALL BE AN IMPORTED NATURAL RUN-OF-BANK (R.O.B.) SAND OR A MIXTURE OF CRUSHED STONE AND GRAVEL, FREE OF SOFT, NONDURABLE PARTICLES, ORGANIC MATERIALS AND ELONGATED PARTICLES, AND SHALL BE WELL GRADED FROM FINE TO COARSE PARTICLES. BEDDING GRADATIONS SHALL BE APPROVED BY THE ENGINEER AND SHALL MEET THE FOLLOWING GRADATION REQUIREMENTS:

SIEVE DESIGNATION % PASSING 3/4" 100% 0-70%

0-10% NO. 200

2. TRENCH BACKFILL SHALL BE A NATURAL RUN-OF-BANK (R.O.B.) OR PROCESSED GRAVEL, OR EXCAVATED MATERIAL FREE OF SOFT, NONDURABLE PARTICLES, ORGANIC MATERIALS AND ELONGATED PARTICLES, AND SHALL BE WELL GRADED FROM FINE TO COARSE PARTICLES. TRENCH BACKFILL GRADATIONS SHALL BE APPROVED BY THE ENGINEER AND SHALL MEET THE FOLLOWING GRADATION REQUIREMENTS:

SIEVE DESIGNATION <u>% PASSING</u> 100% 0 - 70%NO. 40 NO. 200 0-10%

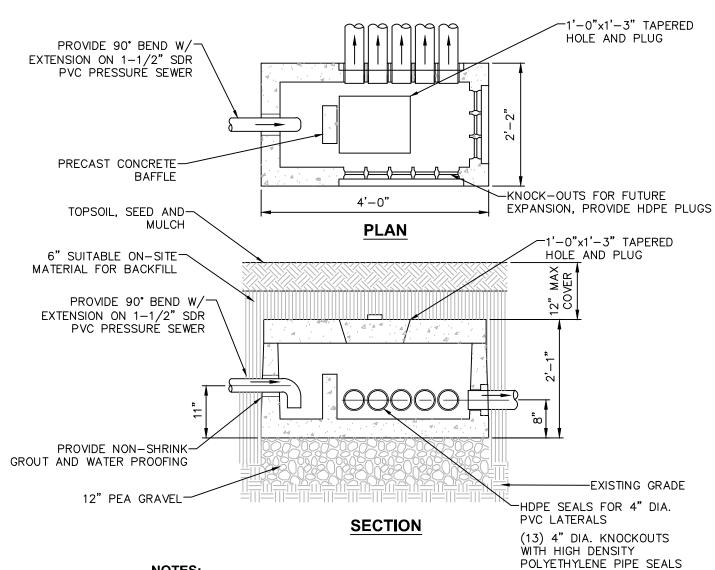
IN NON-TRAFFIC UNPAVED AREAS TRENCH BACKFILL CAN BE MATERIALS EXCAVATED FROM THE TRENCH AS APPROVED BY THE ENGINEER AND COMPACTED TO 90% MODIFIED PROCTOR.

3. INSTALL CONTINUOUS DETECTABLE MARKING TAPE DURING BACKFILLING OF TRENCH FOR UNDERGROUND PIPING. LOCATE TAPE 12" BELOW FINISHED GRADE, DIRECTLY OVER PIPING, EXCEPT 6" BELOW SUBGRADE UNDER PAVEMENTS &

4. TRENCHING SHALL BE IMPLEMENTED IN ACCORDANCE WITH O.S.H.A. STANDARDS.

5. 5'-0" MIN COVER SHALL BE APPLIED TO WATER MAIN OR SANITARY SEWER FORCE MAINS ONLY.

PIPE TRENCH DETAIL (TYPICAL) SCALE: NOT TO SCALE



1. DISTRIBUTION BOX TO BE PROVIDED WITH PRE-FABRICATED SPEED LEVELERS AND LEVELED USING WATER. 2. FORT MILLER TYPE 3, DESIGN CASE 4 (NON-TRAFFIC).

TYPE THREE DISTRIBUTION BOX (PRESSURE INLET) SCALE: NOT TO SCALE

0.27

0.26 0.24 0.23 0.22 0.21

0.19

0.18

0.17

0.15

0.14

0.81

0.76

0.70

0.67

0.64

0.61 0.57 0.54

0.50 0.45

0.41

0.51

0.47

0.45

0.43

0.41

0.38

0.36

0.33

0.30 0.27

FORCE MAIN TESTING:

. THE COMPLETE SEWAGE FORCE MAIN INCLUDING VALVES, FITTINGS CONNECTIONS TO PUMPS AND OTHER PIPELINE SYSTEMS SHALL BE TESTED FOR LEAKAGE.

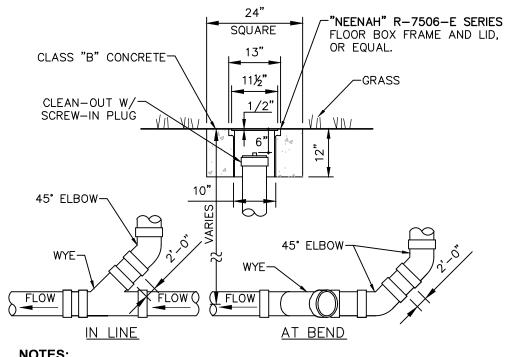
THE SYSTEM SHALL BE PRESSURIZED TO 1.5 TIMES THE PIPE WORKING PRESSURE AT THE LOWEST POINT OF THE MAIN OR 100 PSI, WHICHEVER IS GREATER, . AFTER THIS PRESSURE, ±5 PSI, HAS BEEN MAINTAINED SUCCESSFULLY FOR ONE HOUR, THE LEAKAGE TEST SHALL BE PERFORMED FOR A PERIOD OF NO LESS THAN 2 HOURS. HYDROSTATIC TESTS SHALL BE PERFORMED AND SUCCESSFUL TEST RESULTS DERIVED IN ACCORDANCE WITH AWWA C 600-05, SECTION 5 IN NO CASE SHALL THE TEST PRESSURE EXCEED THE DESIGN PRESSURE LIMITS FOR ANY PIPE, THRUST RESTRAINT, FITTINGS, VALVES OR OTHER APPURTENANCE OF THE TEST

3. IF THE LEAKAGE IN THE SYSTEM EXCEEDS THE SPECIFIED AMOUNT, MAKE ANY REPAIRS OR REPLACEMENTS NECESSARY TO REDUCE THE LEAKAGE TO THE REQUIRED LIMITS AND RETEST THE SYSTEM.

THE MAXIMUM ALLOWABLE LEAKAGE SHALL BE AS SHOWN IN THE FOLLOWING TABLE: ALLOWABLE LEAKAGE IN GALLONS PER 1000 FT OF PIPELINE (GPH).

- 4' WIDE ELJEN GEOTEXTILE SAND FILTER - 4"SDR SOLID PVC HEADERS SYSTEM B43 MODULES (TYP.) ASTM 2729 -4" PERFORATED PVC-PIPE- ASTM 2729 PITCH 1/16" PER FT MIN PITCH 1/16" PER. FT MAX FG 84.0 L-1 82.0 INV 82.05 IV 82.05 INV 82.1 INV 82.16 VV 82.16 (13) OUTLET PRÉCAST CONCRETE DISTRIBUTION BOX-INV 82.22 IV 82.22 5 C560 FG 84.0 FG 84.5 INV 82.27 IV 82.<u>2</u>7 92'

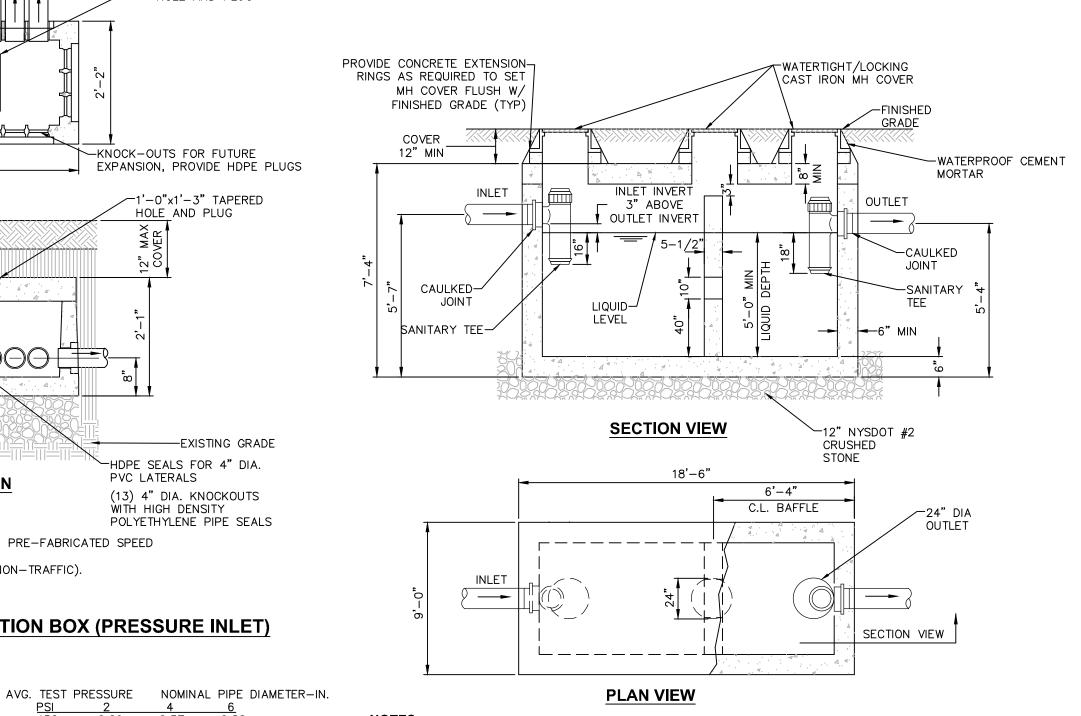
FOR LATERAL INVERTS, SEE TABLE. ABSORPTION TRENCH LAYOUT PLAN SCALE: NOT TO SCALE



. SEWER PIPE FITTINGS TO BE ASTM D-3033 OR D-3034

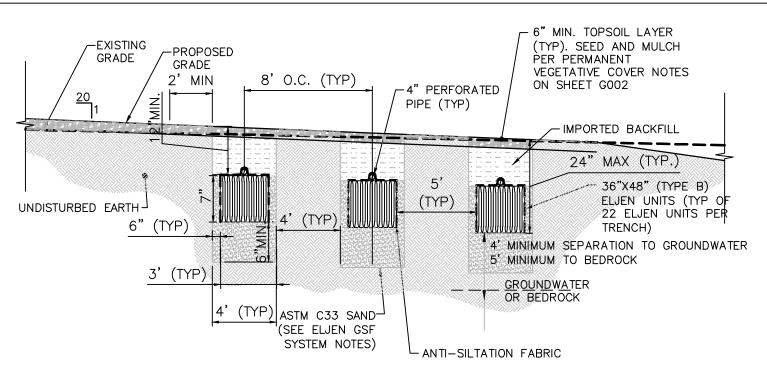
2. TO BE USED FOR GRAVITY PORTION OF SANITARY SYSTEM AS WELL AS THE STORM ROOF DRAINAGE SYSTEM.

CLEAN OUT - NON TRAFFIC AREAS SCALE: NOT TO SCALE



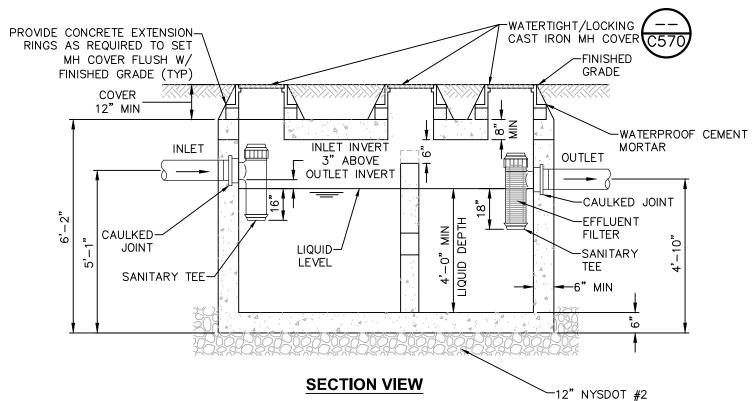
SEPTIC TANKS SHALL BE AS MANUFACTURED BY THE FORT MILLER CO. OR APPROVED EQUIVALENT. 2. DIMENSIONS SHOWN ARE PER STRUCTURES MANUFACTURED BY FORT MILLER CO.

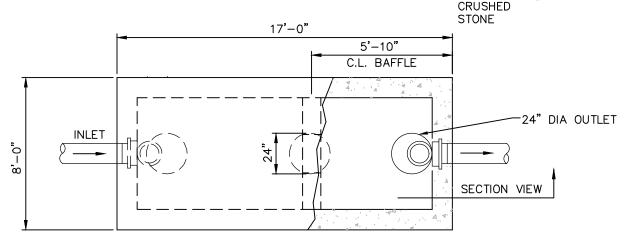
5000 GAL HEAVY DUTY CONCRETE SEPTIC TANK SCALE: NOT TO SCALE



. IMPORTED BACKFILL SHALL BE TOPSOIL OR NATURAL RUN OF BANK SAND OR GRAVEL FREE OF ORGANIC MATERIAL AND ELONGATED PARTICLE AND HAVE A MAX PARTICLE SIZE OF 3/4".

> **ELJEN GSF ABSORPTION FIELD** TRENCH CROSS SECTION DETAIL

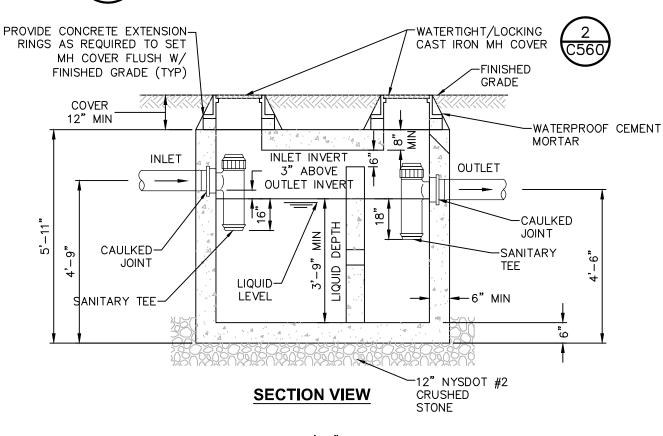


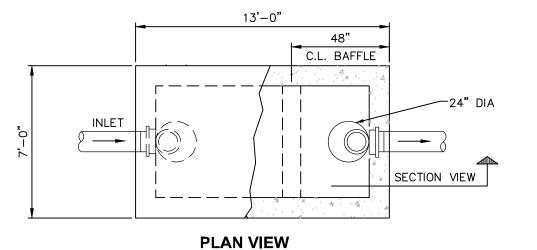


PLAN VIEW SEPTIC TANKS SHALL BE AS MANUFACTURED BY THE FORT MILLER CO. OR APPROVED EQUIVALENT. . DIMENSIONS SHOWN ARE PER STRUCTURES MANUFACTURED BY FORT MILLER CO.

INSTALLED AND MAINTAINED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. 3000 GAL HEAVY DUTY CONCRETE SEPTIC TANK SCALE: NOT TO SCALE

3. EFFLUENT FILTER (ORENCO BIOTUBE JUNIOR EFFLUENT FILTER (FTJ) OR APPROVED EQUAL) SHALL BE





NOTES:

1. SEPTIC TANKS SHALL BE AS MANUFACTURED BY THE FORT MILLER CO. OR APPROVED EQUIVALENT. 2. DIMENSIONS SHOWN ARE PER STRUCTURES MANUFACTURED BY FORT MILLER CO.

2000 GAL HEAVY DUTY CONCRETE SEPTIC TANK

SEWAGE DISPOSAL SYSTEM DESIGN NOTES

1. SEPTIC SYSTEM DESIGN IS BASED UPON DESIGN FLOWS FROM NEW STANDARD FIXTURES. NO FOOTING DRAINS OR ROOF DRAINS, WATER SOFTENER BACKWASHES, ETC. SHALL BE ALLOWED TO ENTER THE SYSTEM.

2. DESIGN DESIGN FLOW: 187 SEATS * 20 GPD/SEAT * 20% CREDIT FOR POST-1994 FIXTURES = 2,992 GPD + 10-BARREL BREWERY = 945 GPD = 3,937 GPD TOTAL

3. IN THE PROPOSED AREA, THE SYSTEM DESIGN IS BASED ON PERCOLATION RATE OF 1-5 MIN/IN RESULTING IN 552 LF OF ELJEN GEOTEXTILE SAND FILTER SYSTEM WITH B43 MODULES IN FOUR FEET WIDE TRENCHES 8 FEET ON-CENTER.

4. 100% EXPANSION OF THE SEPTIC FIELD IS PROVIDED. IN THE EXPANSION AREA, SYSTEM DESIGN IS BASED ON PERCOLATION RATE OF 1-5 MIN PER INCH, RESULTING IN 552 LF OF ELJEN

5. SEPTIC TANK SIZE TOTALS 6,000 GAL (5,906 GAL MIN REQUIRED).

GEOTEXTILE SAND FILTER SYSTEM WITH B43 MODULES MINIMUM.

6. THE DESIGN, CONSTRUCTION AND INSTALLATION SHALL BE IN ACCORDANCE WITH THIS PLAN AND GENERALLY ACCEPTED STANDARDS IN EFFECT AT THE TIME OF CONSTRUCTION WHICH

"RURAL WATER SUPPLY, NEW YORK STATE DEPARTMENT OF HEALTH"

"NEW YORK STATE DEPARTMENT OF HEALTH POLICIES, PROCEDURES, AND STANDARDS"

"THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION, DESIGN STANDARDS FOR WASTEWATER TREATMENT WORKS, INTERMEDIATE SIZED SEWAGE FACILITIES, 2014"

7. NO COMPONENT OR PART OF THE SEWAGE DISPOSAL SYSTEM IS TO BE BACK FILLED UNTIL INSPECTED BY THE ENGINEER PERFORMING THE CERTIFICATION AND THE TOWN BUILDING INSPECTOR.

8. FINAL GRADING SHALL BE PERFORMED SO THAT NO SURFACE WATER WILL RUN ON OR COLLECT ON THE INSTALLED SEPTIC SYSTEM.

9. ALL DISTURBED AREAS SHALL BE SEEDED AND MULCHED.

10. HEAVY EQUIPMENT SHALL BE KEPT OFF OF THE ABSORPTION FIELD AREA EXCEPT FOR ACTUAL CONSTRUCTION OF THE FIELD. THERE SHALL BE NO UNNECESSARY MOVEMENT OF CONSTRUCTION EQUIPMENT IN THE AREA OF THE PROPOSED FIELD, BEFORE, DURING AND AFTER CONSTRUCTION.

10. TRENCHES SHALL NOT BE CONSTRUCTED IN WET SOIL.

THE APPROVED PLANS.

-WATERPROOF CEMENT 11.SIDES AND BOTTOM OF TRENCHES SHALL BE RAKED IMMEDIATELY PRIOR TO PLACING SAND.

12. THE END OF ALL DISTRIBUTION PIPES SHALL BE CAPPED/PLUGGED.

13.THE LOCATION OF THE SEPTIC FIELD IS TO BE FIELD LOCATED BY A LICENSED NYS SURVEYOR PRIOR TO CONSTRUCTION. THE SEPTIC FIELD MUST BE CONSTRUCTED IN THE AREA SHOWN ON

14.A NEW YORK STATE LICENSED PROFESSIONAL ENGINEER SHALL INSPECT THE SANITARY FACILITIES (WATER SUPPLY, ANY WATER TREATMENT, AND SEWAGE DISPOSAL FACILITIES) AT THE TIME OF CONSTRUCTION. PRIOR TO OCCUPANCY. THE ENGINEER SHALL CERTIFY TO THE LOCAL CODE ENFORCEMENT OFFICER THAT THE FACILITIES ARE INSTALLED IN ACCORDANCE WITH

15.THE OWNER AND/OR CONTRACTOR SHALL NOTIFY THE ENGINEER A MINIMUM OF FIVE (5) WORKING DAYS IN ADVANCE OF THE START OF WORK.

16.ALL PIPES AT STRUCTURES AND CONTACT SURFACES ON SEPTIC TANK & PUMP STATION TO HAVE AN ASPHALTIC SEAL OR ACCEPTABLE EQUAL.

17.SANITARY FACILITIES ARE NOT TO BE RELOCATED OR REDESIGNED WITHOUT REVIEW AND APPROVAL OF THE ENGINEER AND THE AUTHORITY HAVING JURISDICTION ENGINEER.

18. THERE WILL BE NO REGRADING OR COMPACTING IN THE AREA OF THE PROPOSED TILE FIELD. 19.NO PAVING SHALL BE PLACED OVER ANY PORTION OF THE TILE FIELD.

ABSORPTION TRENCH DESIGN CALCULATIONS:

PERCOLATION RATE = 1 MINUTE, 45 SECONDS

DESIGN FLOW = 3.520 GPD (BASED ON THE NUMBER OF SEATS) REQUIRED SEPTIC TANK SIZE = 1.5 * Q = 6,480 GALLONS (SIZE PROVIDED 8,000 GALLONS)

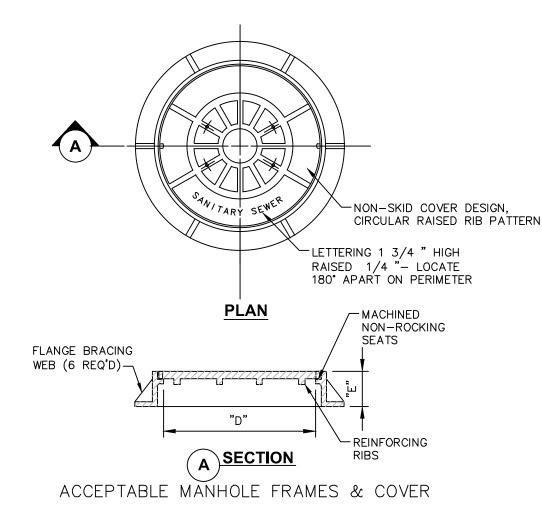
APPLICATION RATE = 1.2 GPD/SF (RATE DETERMINED FROM THE "DESIGN STANDARDS FOR WASTEWATER TREATMENT WORKS TABLE 10 (NYSDEC)) FOR PERCOLATION RATE OF 1-5 MINUTES PER INCH

REQUIRED AREA (SQ FT) = FLOW RATE (GPD) / APPLICATION RATE (GPD/SQ FT) = 3,520 GPD / 1.2 GPD/SQ FT = 2,933 SQ FT

REQUIRED ABSORPTION FIELD LENGTH = REQUIRED AREA (SQ FT) / 6 SQ FT PER FT

= 2,933 SQ FT / 6 SQ FT PER FT = 489 LF FOR ELJEN GSF B43 MODULES @ 8' ON CENTER.

PROVIDED ABSORPTION FIELD LENGTH = 6 ROWS * 92 LF EA = 552 LF



PATTFRN

NUMBER MANUFACTURER SYRACUSE CAST'G* | 1009-8 | 24" | * OR EQUIVALENT

VEHICLE LOADING AND 25% IMPACT.

STANDARD CAST IRON MH COVER SCALE: NOT TO SCALE

1. FRAME AND COVER SHALL BE DESIGNED FOR HS20-44

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OBERCREEK BREWING COMPANY

59 Marlorville Road Wappingers Falls, NY 12590



OBERCREEK BREWERY & TASTING ROOM

81 New Hamburg Road Wappingers Falls, NY 12590

5	10/04/2023	REVISED PER TOWN COMMENTS
4	08/14/2023	REVISED PER TOWN COMMENTS
3	06/07/2023	REVISED PER DCDBCH COMMENTS
2	03/30/2023	REVISED PER DPW COMMENTS
1	02/03/2023	REVISED PER DPW COMMENTS
NO:	DATE:	DESCRIPTION:

PROJECT NUMBER: 70608-02 DRAWN BY:

REVIEWED BY: ISSUED FOR: PLANNING BOARD REVIEW

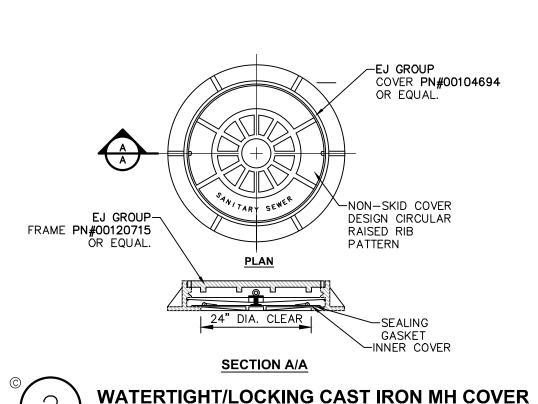
DATE: 05/09/22

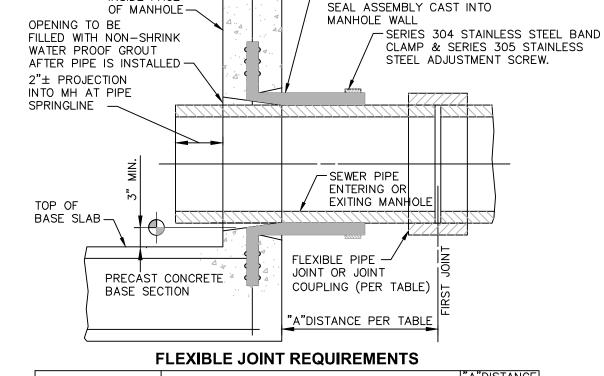
DRAWING NAME:

SANITARY SEWER DETAILS

SANITARY PUMP STATION DETAIL SCALE: NOT TO SCALE

INSIDE FACE





FLEXIBLE JOINT REQUIREMENTS				
SEWER PIPE TYPE	FLEXIBLE JOINT TYPE IN & OUT	"A"DISTANCE (FEET)		
DUCTILE IRON	STD RUBBER GASKET PIPE JOINT ONLY	10' MAX		
PVC	STD RUBBER GASKET PIPE JOINT ONLY	3' MAX		

REFERENCE MANHOLE DETAIL(S) FOR REQUIRED INVERT CHANNEL CONFIGURATION.



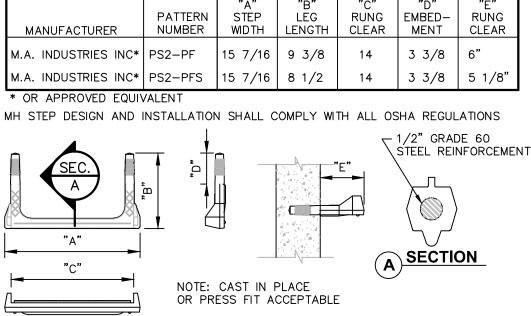
PIPE CONNECTION TO MANHOLE-FLEXIBLE RUBBER BOOT CAST INTO MANHOLE WALL SCALE: NOT TO SCALE

-FORMED HOLE WITH FLEXIBLE RUBBER BOOT PUMP CHAMBER DOSING DESIGN CALCULATIONS

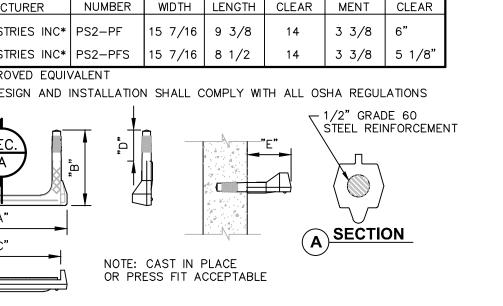
A B C D E F G H

100.00 | 96.00 | 95.08 | 94.67 | 94.17 | 93.17 | 103.00 | 97.83 |

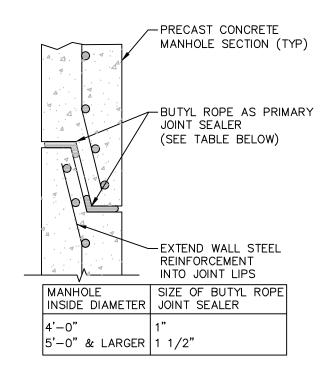
DOSE VOLUME = $(FORCE\ MAIN\ VOLUME)^1 + (LATERAL\ VOLUME)*(75%-85%)$



ACCEPTABLE MANHOLE STEPS







SCALE: NOT TO SCALE

STANDARD NOTES FOR COMMERICAL PROJECTS (ONSITE SEWAGE DISPOSAL & CENTRAL WATER):

THE DESIGN, CONSTRUCTION AND INSTALLATION SHALL BE IN ACCORDANCE WITH THIS PLAN AND GENERALLY ACCEPTED STANDARDS IN EFFECT AT THE TIME OF CONSTRUCTION WHICH INCLUDE:

"NEW YORK STATE DESIGN STANDARDS FOR INTERMEDIATE SIZED WASTEWATER TREATMENT SYSTEMS", NYSDEC "APPENDIX 75-A, WASTE TREATMENT - INDIVIDUAL HOUSEHOLD SYSTEMS, NEW YORK STATE SANITARY CODE."

"RECOMMENDED STANDARDS FOR SEWAGE TREATMENT WORKS, (TEN STATES)." "RECOMMENDED STANDARDS FOR WATER WORKS (TEN STATES)."

"NEW YORK STATE DEPARTMENT OF HEALTH AND DUTCHESS COUNTY ENVIRONMENTAL HEALTH SERVICES DIVISION POLICIES, PROCEDURES AND STANDARDS." "DUTCHESS COUNTY AND NEW YORK STATE SANITARY CODES."

"DUTCHESS COUNTY ENVIRONMENTAL HEALTH SERVICES CERTIFICATE OF APPROVAL

THIS PLAN IS APPROVED AS MEETING THE APPROPRIATE AND APPLIED TECHNICAL STANDARDS, GUIDELINES, POLICIES AND PROCEDURES FOR ARRANGEMENT OF SEWAGE DISPOSAL AND TREATMENT AND WATER SUPPLY FACILITIES.

UPON COMPLETION OF THE FACILITIES, THE FINISHED WORKS SHALL BE INSPECTED, TESTED CERTIFIED COMPLETE TO THE DC EHSD BY THE NEW YORK STATE REGISTERED DESIGN PROFESSIONAL SUPERVISING CONSTRUCTION. NO PART OF THE FACILITIES SHALL BE PLACED INTO SERVICE UNTIL ACCEPTED BY THE DC EHSD

APPROVAL OF ANY PLAN(S) OR AMENDMENTS THERETO SHALL BE VALID FOR A PERIOD OF 5 YEARS FROM THE DATE OF APPROVAL. FOLLOWING THE EXPIRATION OF SAID APPROVAL, THE PLAN(S) SHALL BE RE-SUBMITTED TO THE COMMISSIONER OF HEALTH FOR CONSIDERING RE-APPROVAL RE-SUBMISSION OR REVISED SUBMISSION OF PLANS AND/OR ASSOCIATED DOCUMENTS SHALL BE SUBJECT TO COMPLIANCE WITH THE TECHNICAL STANDARDS, GUIDELINES, POLICIES AND PROCEDURES IN EFFECT AT THE TIME OF RESUBMISSION.

ALL ONSITE WASTEWATER TREATMENT SYSTEM EXISTING OR APPROVED WITHIN 300 FEET OF THE PROPOSED ONSITE WASTEWATER TREATMENT SYSTEM ARE SHOWN ON THIS PLAN ALONG WITH ANY OTHER ENVIRONMENTAL HAZARDS IN THE AREA THAT MAY AFFECT THE DESIGN AND FUNCTIONAL ABILITY OF THE ONSITE WASTEWATER TREATMENT SYSTEM.

IT SHALL BE DEMONSTRATED BY THE CONTRACTOR TO THE DC EHSD FIELD INSPECTOR AND/OR DESIGN PROFESSIONAL THAT THE TANK IS SEALED, WATERTIGHT AND ACCEPTABLE FOR USE. THIS SHALL REQUIRE, AT A MINIMUM, THE FILLING OF THE TANK WITH WATER TO OBSERVE IF IT IS IN FACT SEALED, WATERTIGHT AND ACCEPTABLE FOR USE. THE TANK MUST ALSO MEET ANY LOCAL TESTING REQUIREMENTS, INCLUDING POSSIBLE ELECTRICAL AND SAFETY STANDARDS.

ALL PROPOSED SERVICE LINES ON THIS PLAN ARE ACCESIBLE FOR INSTALLATION AND

NO CELLAR, FOOTING, FLOOR, GARAGE, COOLER OR ROOF DRAINS SHALL BE

DISCHARGED INTO THE ONSITE WASTEWATER TREATMENT SYSTEM. ALL BUILDINGS SHALL BE CONSTRUCTED AT AN ELEVATION HIGH ENOUGH TO ENSURE GRAVITY FLOW TO THE ONSITE WASTEWATER TREATMENT SYSTEM.

THERE SHALL BE NO VEHICULAR TRAFFIC OVER THE ONSITE WASTEWATER TREATMENT SYSTEM. PRIOR TO CONSTRUCTION, THE AREA OF THE SYSTEM SHALL BE STAKED OUT AND FENCED OFF.

ONSITE WASTEWATER TREATMENT SYSTEMS SHALL NOT BE INSTALLED IN WET OR FROZEN SOIL.

THE DC EHSD SHALL BE NOTIFIED PRIOR TO THE BACKFILLING OF ANY COMPLETED ONSITE WASTEWATER TREATMENT SYSTEM SO THAT A FINAL INSPECTION MAY BE

THE DC EHSD SHALL BE NOTIFIED SIXTY DAYS PRIOR TO ANY CHANGE IN USE; USE CHANGES MAY REQUIRE RE-APPROVAL BY THE DC EHSD

ALL REQUIRED EROSION & SEDIMENT CONTROL AND STORMWATER POLLUTION PREVENTION WATER QUALITY & QUANTITY CONTROL STRUCTURES, PERMANENT AND TEMPORARY, ARE SHOWN IN THE PLANS.

NO BUILDINGS ARE TO OCCUPIED AND THE NEW WATER SYSTEM SHALL NOT BE PLACED INTO SERVICE, UNTIL A "COMPLETED WORKS APPROVAL" IS ISSUED UNDER SECTION 5-1.22(D) OF PART 5 OF THE NEW YORK STATE SANITARY CODE (10NYCCRR5).

THE UNDERSIGNED OWNERS OF THE PROPERTY HERON STATE THAT THEY ARE FAMILIAR WITH THIS MAP. ITS CONTENTS AND ITS LEGENDS AND HEREBY CONSENT TO ALL SAID TERMS AND CONDITIONS AS STATED HEREON.

PUMP STATION START-UP INSTRUCTIONS:

A. THE CONTRACTOR SHALL PROVIDE THREE (3) DAYS NOTIFICATION TO THE OWNER, PROJECT ENGINEER, AND DCDOH, PRIOR TO START-UP OF THE PUMP STATION. B. THE CONTRACTOR SHALL ENSURE THAT EACH PIECE OF EQUIPMENT AND COMPONENT OF THE SYSTEM IS READY FOR

C. THE CONTRACTOR SHALL EXECUTE START—UP UNDER THE SUPERVISION OF OWNER, PROJECT ENGINEER, AND DCDOH.

D. THE CONTRACTOR SHALL SUBMIT A WRITTEN REPORT INDICATING THAT EACH PIECE OF EQUIPMENT AND COMPONENT OF THE SYSTEM HAS BEEN PROPERLY INSTALLED AND IS FUNCTIONING CORRECTLY.

2. DEMONSTRATIONS AND INSTRUCTIONS A. THE CONTRACTOR SHALL DEMONSTRATE OPERATION AND MAINTENANCE OF THE SYSTEM TO OWNER TWO (2) WEEKS PRIOR TO DATE OF PROJECT COMPLETION OR ISSUANCE OF CERTIFICATE OF OCCUPANCY. THE CONTRACTOR SHALL DEMONSTRATE START-UP, OPERATION, CONTROL, ADJUSTMENT, TROUBLE-SHOOTING,

3. TESTING, ADJUSTING, AND BALANCING A. THE CONTRACTOR SHALL PROVIDE ALL TESTING, ADJUSTING, AND BALANCING OF SYSTEM B. THE CONTRACTOR SHALL CLEAN, FLUSH, PRESSURE LEAK TEST ALL THE PIPING AND EQUIPMENT ACCORDING TO ACCEPTED STANDARDS.

PUMP STATION NOTES

1. ALL PRE CAST CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE A.S.T.M. STANDARDS. CONCRETE TO TEST 4000 PSI AT 28 DAYS.

SERVICING, MAINTENANCE, AND SHUTDOWN OF EACH ITEM OF EQUIPMENT.

2. CONTRACTOR SHALL SUBMIT PRE CAST CONCRETE CHAMBER SHOP DRAWINGS INDICATING PERTINENT DIMENSIONING, REINFORCEMENT SIZES, SPACING, LOCATIONS AND QUANTITIES. CHAMBER SHALL BE DESIGNED TO WITHSTAND TRAFFIC LOADS CREATED BY AN HS20-44 TRUCK PLUS 25% IMPACT AS DEFINED IN THE LATEST EDITION OF THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO) DESIGN STANDARDS.

3. AN ALUMINUM WARNING PLATE SHALL BE RIVETED OR OTHERWISE PERMANENTLY ATTACHED TO THE CHAMBER. THE PLATE SHALL BE A MINIMUM OF 12" X 12" AND SHALL BE ENGRAVED WITH THE FOLLOWING LANGUAGE: "WARNING - CONFINED SPACE - ENTRY PROHIBITED WITHOUT

4. ALL MOUNTING HARDWARE INCLUDING BOLTS, NUTS, ANGLE BRACKETS AND OTHER MISC. ITEMS LOCATED WITHIN THE PUMP STATION SHALL BE OF NON-CORROSIVE CONST. (I.E.-STAINLESS STL., ALUM., GALV.)

5. ALL INSTALLATION SHALL CONFORM TO THE NATIONAL ELECTRIC CODE. LATEST EDITION.

6. PROVIDE ADDITIONAL CONDUITS FOR CONTROL WIRING AS PER MANUFACTURER'S RECOMMENDATIONS. ALL CONDUITS SHALL BE GAS TIGHT SEALED.

7. MANHOLE STEPS SHALL BE ORIENTATED SUCH THAT ACCESS TO THE PUMP STATION WILL NOT BE RESTRICTED. STEPS SHALL BE COPOLYMER POLYPROPYLENE MANHOLE STEPS 12" O.C.

8. PROJECT ENGINEER AND OWNER'S REPRESENTATIVE SHALL BE NOTIFIED 72-HOURS PRIOR TO START UP AND TESTING OF THE STATION.

9. THE PUMP STATION SHALL BE PROVIDED WITH AN EXPLOSION PROOF SUBMERSIBLE NON-CLOG SEWAGE PUMP INCLUDING ALTERNATING DUPLEX CONTROL PANEL.

10. THE CONTROL PANEL SHALL INCLUDE THE FOLLOWING FEATURES AND ACCESSORIES:

- NEMA 4X AND UL RATED ENCLOSURE W/ LOCKABLE HATCH INTRINSICALLY SAFE RELAYS

- HAND-OFF-AUTO (HOA) TOGGLE SWITCH FOR THE PUMP - INTRINSICALLY SAFE MECHANICAL FLOAT SWITCHES

- TOP MOUNTED ALARM LIGHT - ALARM HORN WITH SILENCE SWITCH - MANUAL RESET

- AUXILIARY DRY CONTACTS FOR ALARMS CIRCUIT BREAKER PUMP DISCONNECT

- GREEN RUN PILOT LIGHT FOR THE PUMP SEAL FAIL INDICATOR LIGHTS

- THERMAL OVERLOAD PROTECTION - PUMP ALTERNATING SWITCH

IN ADDITION THE CONTROL PANEL SHALL INCLUDE A PUMP RUN TIME METER AND ONE WEATHER PROOF 120V DUAL GFI RECEPTACLE OUTLET.

11. CONTRACTOR SHALL PROVIDE A TRIPOD & ELECTRICAL WINCH TO OWNER FOR PUMP REMOVAL.

12. THE FOLLOWING ALARMS SHALL BE RELAYED TO AN ON-SITE CENTRAL LOCATION OR TO A 24-HOUR ON CALL SERVICE AT THE DIRECTION OF OWNER: -PUMP FAILURE & MALFUNCTION/START LAG PUMP

-HIGH WATER/START LAG PUMP -LOW WATER LEVEL -COMMUNICATION LINK FAILURE

13. PUMP STATION SHALL BE CONNECTED TO AN ELECTRICAL CIRCUIT THAT IS CONNECTED TO THE ON-SITE EMERGENCY GENERATOR TO ASSURE PUMP STATION OPERATION DURING POWER FAILURE. GENERATOR SIZING/CONDUIT LAYOUT SHALL BE PROVIDED BY PROJECT MEP.

14. PUMP STATION SHALL BE VENTED TO 3' MIN ABOVE ROOF LINE.

ELJEN GSF SYSTEM NOTES:

1. THIS DESIGN AND CONSTRUCTION REQUIREMENT COMPLIES WITH APPENDIX 75-A AND LOCAL HEALTH DEPARTMENT REGULATIONS.

2. THIS DESIGN COMPLIES WITH AND MUST BE INSTALLED IN ACCORDANCE WITH THE MOST CURRENT ELJEN NEW YORK DESIGN AND INSTALLATION MANUAL.

3. THIS SYSTEM IS NOT DESIGNED FOR USE WITH A GARBAGE DISPOSAL.

4. THIS SYSTEM IS NOT DESIGNED FOR BACKWASH FROM A WATER SOFTENER.

5. ORGANIC MATERIAL THAT CAN RESTRICT FLOW MUST BE REMOVED FOR RAISED BEDS. THE SOIL MUST BE SCARIFIED TO PROVIDE DEEP CHANNELS FOR THE SAND. A PLOWED INTERFACE ON CONTOUR IS RECOMMENDED TO PREPARE THE SOIL FOR FILL PLACEMENT.

6. SCARIFY ANY SMEARED SUBSOIL PRIOR TO FILL PLACEMENT.

7. FILL MATERIAL SHALL MEET OR EXCEED STATE OF NEW YORK CODE REQUIREMENTS. ALL FILL MATERIAL SHALL BE CLEAN BANK RUN SAND, FREE OF TOPSOIL, HUMUS, AND "DREDGING" DIRECTLY BENEATH THE GSF SYSTEM.

8. ASTM C33 SPECIFIED SAND WITH LESS THAN 10% PASSING A #100 SIEVE AND LESS THAN 5% PASSING A #200 SIEVE SHALL BE PLACE BELOW AND AROUND THE GSF MODULES, WITH 6 INCHES MINIMUM UNDERNEATH AND 6 INCHES MINIMUM SURROUNDING THE GSF MODULES IN TRENCH CONFIGURATIONS. IN BED SYSTEMS, USE 6 INCHES MINIMUM UNDERNEATH THE MODULES WITH 12 INCHES MINIMUM BETWEEN MODULE ROWS AND 12 INCHES MINIMUM AROUND THE PERIMETER OF THE MODULES. THE SIEVE ANALYSIS SHALL BE INCLUDED AS PART OF THE FINAL CERTIFICATION.

9. ELJEN PROVIDED GEOTEXTILE COVER FABRIC SHALL PROVIDE PROPER TENSION AND ORIENTATION OF THE FABRIC AROUND THE SIDES OF THE PERFORATED PIPE ON TOP OF THE GSF MODULES. FABRIC SHOULD BE NEITHER TOO LOOSE, NOR TOO TIGHT. THE CORRECT TENSION OF THE COVER

 SPREADING THE COVER FABRIC OVER THE TOP OF THE MODULE AND DOWN BOTH SIDES OF THE MODULE WITH THE COVER FABRIC TENTED OVER THE TOP OF THE PERFORATED DISTRIBUTION

 PLACE SHOVEL FULLS OF SPECIFIED SAND DIRECTLY OVER THE PIPE AREA ALLOWING THE COVER FABRIC TO FORM A MOSTLY VERTICAL ORIENTATION ALONG THE SIDES OF THE PIPE. REPEAT THIS STEP MOVING DOWN THE PIPE.

10. BACKFILL MATERIAL SHALL BE CLEAN WITH NO ROOTS OR STONES LARGER THAN 2 INCHES IN ANY DIMENSION TO A MINIMUM DEPTH OF 8 INCHES OVER THE GSF MODULES AND FINAL COVER FOR VEGETATION OF 4 INCHES TO 6 INCHES OF CLEAN LOAM.

11. ANY SYSTEM WHICH IS MORE THAN 18 INCHES BELOW FINISH GRADE AS MEASURED FROM THE TOP OF THE MODULE SHALL BE VENTED.

12. LAYER OF SANDY LOAM (ABOVE RUN OF BANK) SHALL BE REMOVED AT EACH MODULE LOCATION AND BACKFILLED WITH C33 SAND. SEE SOIL DEEP TEST RESULTS ON SHEET C160 FOR APROX. DEPTHS OF SANDY LOAM LAYER. EACH LATERAL SHALL BE INSPECTED BY THE CERTIFYING PROFESSIONAL ENGINEER PRIOR TO PLACEMENT OF C33 SAND OR MODULES.

21 Fox Street Poughkeepsie, NY 12601 (845) 454-3980

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It is a violation of New York Education Law Article 145 Sec. 7209, for any person, unless acting under the direction of a licensed architect, professional engineer, land surveyor, landscape architect or geologist to alter an item in any way. If an item bearing the seal of an architect, engineer, or land surveyor is altered; the altering architect, engineer, land surveyor, landscape architect or geologist shall affix to the item their seal and notation "altered by" followed by their signature and date of such alteration, and a specific description of the alteration

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Revisions		

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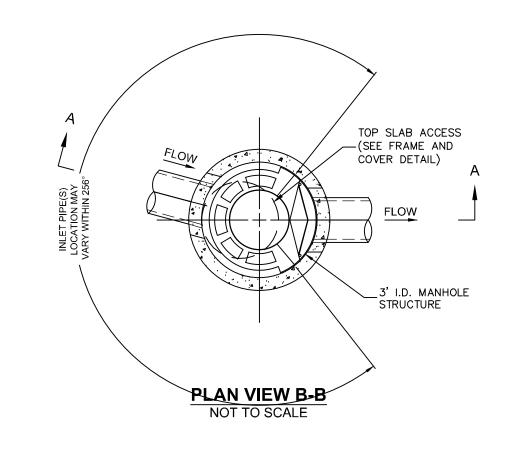
ISSUED FOR: PLANNING BOARD REVIEW

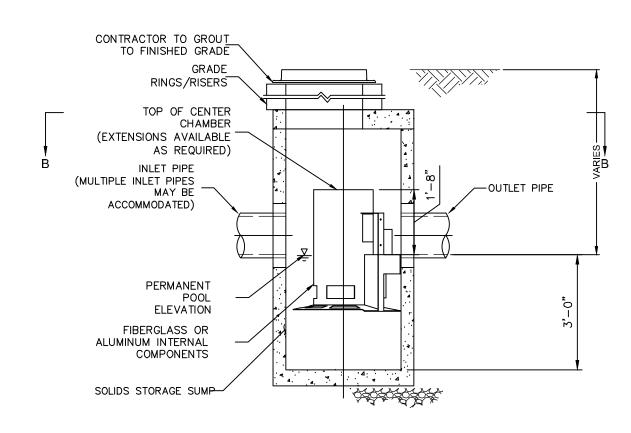
DATE: 05/09/22

DRAWING NAME:

REVIEWED BY

SANITARY SEWER DETAILS





ELEVATION A-A NOT TO SCALE

CASCADE SEPARATOR DESIGN NOTES

THE STANDARD CS-3 CONFIGURATION IS SHOWN. ALTERNATE CONFIGURATIONS ARE AVAILABLE AND ARE LISTED BELOW. SOME CONFIGURATIONS MAY BE COMBINED TO SUIT SITE REQUIREMENTS.

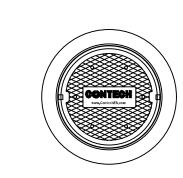
CONFIGURATION DESCRIPTION

GRATED INLET ONLY (NO INLET PIPE)

GRATED INLET WITH INLET PIPE OR PIPES

CURB INLET WITH INLET PIPE OR PIPES

CURB INLET ONLY (NO INLET PIPE)



FRAME AND COVE
(DIAMETER VARIES)
NOT TO SCALE

STRUCTURE ID WATER QUALITY FLOW RATE (cfs [L/s]) PEAK FLOW RATE (cfs [L/s]) RETURN PERIOD OF PEAK FLOW (yrs) RIM ELEVATION PIPE DATA: INVERT MATERIAL DIAMETER INLET PIPE 1 INLET PIPE 2 OUTLET PIPE NOTES / SPECIAL REQUIREMENTS:

SITE SPECIFIC

DATA REQUIREMENTS

- GENERAL NOTES

 1. CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
 2. FOR SITE SPECIFIC DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHT, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE. www.ContechES.com
- 3. CASCADE SEPARATOR WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING. CONTRACTOR TO CONFIRM STRUCTURE MEETS REQUIREMENTS OF
- 4. CASCADE SEPARATOR STRUCTURE SHALL MEET AASHTO HS20 LOAD RATING, ASSUMING EARTH COVER OF O'

 2' [610], AND GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER
 OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION. CASTINGS SHALL MEET AASHTO M306 AND BE
- CAST WITH THE CONTECH LOGO. 5. CASCADE SEPARATOR STRUCTURE SHALL BE PRECAST CONCRETE CONFORMING TO ASTM C478 AND AASHTO LOAD FACTOR DESIGN METHOD.
- 6. ALTERNATE UNITS ARE SHOWN IN MILLIMETERS [mm].

INSTALLATION NOTES

- A. ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN
- CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD. B. CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE
- CASCADE SEPARATOR MANHOLE STRUCTURE. C. CONTRACTOR TO INSTALL JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS AND ASSEMBLE STRUCTURE.
- D. CONTRACTOR TO PROVIDE, INSTALL, AND GROUT INLET AND OUTLET PIPE(S). MATCH PIPE INVERTS WITH ELEVATIONS SHOWN. ALL PIPE CENTERLINES TO MATCH PIPE OPENING CENTERLINES.
- E. 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.





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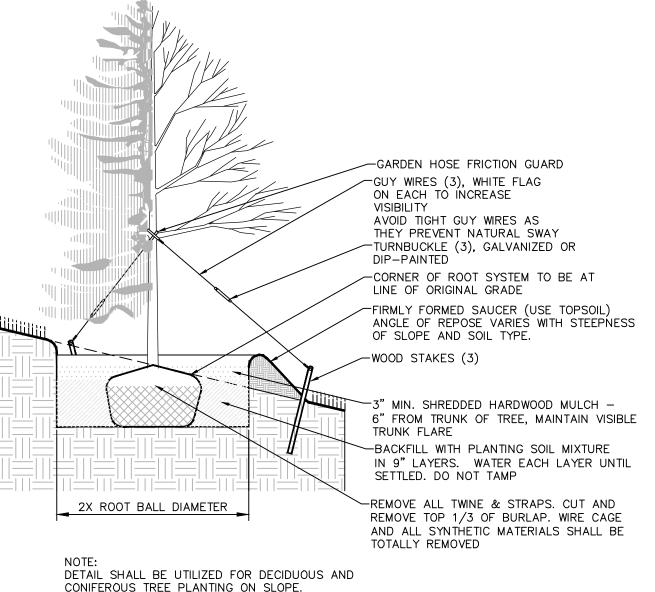
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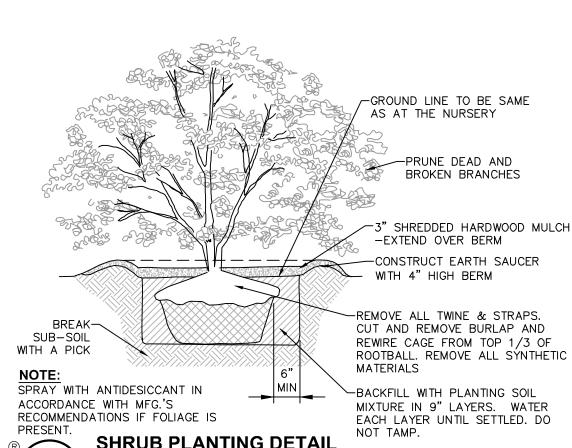
PROJECT NUMBER: 70608-02 DRAWN BY: ISSUED FOR: PLANNING BOARD REVIEW DATE: 05/09/22 DRAWING NAME:

STORMWATER DETAILS

DRAWING NUMBER:



TREE PLANTING ON SLOPE SCALE: NOT TO SCALE



2X ROOT BALL DIA.

2. TREES LESS THAN 3" CALIPER SHALL BE STAKED.

1. SPRAY WITH ANTIDESICCANT IN ACCORDANCE WITH MFG.'S RECOMMENDATIONS.

3. TREES GREATER THAN 3" CALIPER AND UP SHALL BE GUYED AND ANCHORED.

EVERGREEN PLANTING DETAIL

4. STAKES SHALL BE REMOVED AT THE END OF THE FIRST GROWING SEASON AFTER PLANTING.

GARDEN HOSE FRICTION GUARD

-12 GAUGE GALVANIZED WIRE-

THREE EQUALLY SPACED W/ SURVEYORS FLAGGING TAPÉ

-3" DIAMETER X 8' CEDAR

OR PRESSURE TREATED

-SET TOP OF ROOT BALL

-GROUND LINE TO BE THE SAME AS

TWINE & STRAPS. CUT AND REMOVE

TOP 1/3 OF BURLAP. WIRE CAGE AND

" MIN. SHREDDED HARDWOOD MULCH -

ALL SYNTHETIC MATERIALS SHALL BE

6" FROM TRUNK OF TREE, MAINTAIN

PRESSURE-TREATED ANCHOR

-CONSTRUCT EARTH SAUCER WITH

WATER TWICE IN FIRST 24 HRS.

UNTIL SETTLED. DO NOT TAMP.

-BREAK SUBSOIL WITH A PICK

-BACKFILL WITH PLANTING SOIL MIXTURE

IN 9" LAYERS. WATER EACH LAYER

AT THE NURSERY, REMOVE ALL

FLUSH TO GRADE

TOTALLY REMOVED.

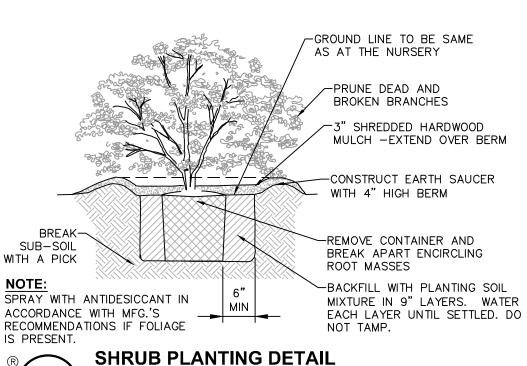
VISIBLE TRUNK FLARE

2"x4"x2'-0" CEDAR OR

4" HIGH BERM-FLOOD WITH

STAKE, TWO OPPOSITE.

SHRUB PLANTING DETAIL FOR ALL SHRUBS BALLED AND BURLAPPED SCALE: NOT TO SCALE



FOR CONTAINERIZED SHRUBS

SCALE: NOT TO SCALE

-GROUND LINE TO BE SAME SHREDDED HARDWOOD MULCH -EXTEND OVER BERM **LANDSCAPING NOTES:**

1. THE LANDSCAPE CONTRACTOR SHALL CAREFULLY COORDINATE CONSTRUCTION ACTIVITIES WITH THAT OF THE EARTHWORK CONTRACTOR AND OTHER SITE DEVELOPMENT.

2. THE CONTRACTOR SHALL VERIFY DRAWING DIMENSIONS WITH ACTUAL FIELD CONDITIONS AND INSPECT RELATED WORK AND ADJACENT SURFACES. THE CONTRACTOR SHALL VERIFY THE ACCURACY OF ALL FINISH GRADES WITHIN THE WORK AREA. THE CONTRACTOR SHALL REPORT TO THE LANDSCAPE ARCHITECT/ENGINEER AND OWNER ALL CONDITIONS WHICH PREVENT PROPER EXECUTION OF THIS WORK.

3. THE EXACT LOCATION OF ALL EXISTING UTILITIES, STRUCTURES AND UNDERGROUND UTILITIES. WHICH MAY NOT BE INDICATED ON THE DRAWINGS, SHALL BE DETERMINED BY THE CONTRACTOR. THE CONTRACTOR SHALL PROTECT EXISTING STRUCTURES AND UTILITY SERVICES AND IS RESPONSIBLE FOR THEIR REPLACEMENT IF DAMAGED.

4. THE CONTRACTOR SHALL KEEP THE PREMISES FREE FROM RUBBISH AND ALL DEBRIS AT ALL TIMES AND SHALL ARRANGE MATERIAL STORAGE SO AS NOT TO INTERFERE WITH THE OPERATION OF THE PROJECT. ALL UNUSED MATERIALS, RUBBISH AND DEBRIS SHALL BE REMOVED FROM THE

5. NO TREES OR SHRUBS SHALL BE PLANTED ON EXISTING OR PROPOSED UTILITY LINES.

6. QUALITY ASSURANCE: A. NOMENCLATURE: PLANT NAMES SHALL CONFORM TO THE LATEST EDITION OF "STANDARDIZED PLANT NAMES" AS ADOPTED BY THE AMERICAN JOINT COMMITTEE ON HORTICULTURAL NOMENCLATURE.

B. SIZE AND GRADING: PLANT SIZES AND GRADING SHALL CONFORM TO THE LATEST EDITION OF "AMERICAN STANDARD FOR NURSERY STOCK" AS SPONSORED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, INC. (AAN), UNLESS OTHERWISE SPECIFIED.

C. NURSERY SOURCE: OBTAIN FRESHLY DUG, HEALTHY, VIGOROUS PLANTS NURSERY GROWN UNDER CLIMACTIC CONDITIONS SIMILAR TO THOSE IN THE LOCALITY OF THE PROJECT FOR A MINIMUM OF 2 YEARS. PLANTS SHALL HAVE BEEN LINED OUT IN ROWS, ANNUALLY CULTIVATED, SPRAYED, PRUNED AND FERTILIZED IN ACCORDANCE WITH GOOD HORTICULTURAL PRACTICE. ALL PLANTS SHALL HAVE BEEN TRANSPLANTED OR ROOT PRUNED AT LEAST ONCE IN THE PAST 3 YEARS. BALLED AND BURLAPPED PLANTS MUST COME FROM SOIL WHICH WILL HOLD A FIRM ROOT BALL. HEELED IN PLANTS AND PLANTS FROM COLD STORAGE ARE NOT ACCEPTABLE.

D. SUBSTITUTIONS: DO NOT MAKE SUBSTITUTIONS OF TREES AND/OR SHRUB MATERIALS. IF REQUIRED LANDSCAPE MATERIAL IS NOT OBTAINABLE, SUBMIT PROOF OF NON-AVAILABILITY AND PROPOSAL FOR USE OF EQUIVALENT MATERIAL. WHEN AUTHORIZED, ADJUSTMENTS OF CONTRACT AMOUNT (IF ANY) WILL BE MADE BY CHANGE ORDER.

7. SEEDING & PLANTING SEASONS AND TIMING CONDITIONS: A. UNLESS OTHERWISE DIRECTED IN WRITING, SEED LAWNS FROM MARCH 15 TO JUNE 15, AND FROM AUGUST 15 TO OCTOBER 15.

B. UNLESS OTHERWISE DIRECTED IN WRITING PLANT TREES AND SHRUBS FROM MARCH 15 TO JUNE 1, AND FROM AUGUST 15 TO OCTOBER 30.

C. AREAS UNDERGOING CLEARING OR GRADING AND ANY AREAS DISTURBED BY CONSTRUCTION ACTIVITIES WHERE LAWNS OR PLANTINGS ARE TO BE ESTABLISHED AND WORK IS COMPLETE, SHALL BE RESTORED WITH PERMANENT VEGETATIVE COVER AS SOON AS SITE AREAS ARE AVAILABLE AND WITHIN 14 DAYS AFTER WORK IS COMPLETE; WORK SHALL BE WITHIN THE SEASONAL LIMITATIONS FOR EACH KIND OF LANDSCAPE WORK REQUIRED. PROVIDE STABILIZATION WITH TEMPORARY VEGETATIVE COVER (TOPSOIL AND TEMPORARY COVER SEED MIX) WITHIN 14 DAYS AFTER WORK IS COMPLETE, FOR

A. IMPORTED TOPSOIL: PROVIDE TOPSOIL CONFORMING TO THE

SEEDING OUTSIDÉ PERMITTED SEEDING PERIODS.

i. LOAM TOPSOIL, WELL DRAINED HOMOGENEOUS TEXTURE AND OF UNIFORM GRADE, WITHOUT THE ADMIXTURE OF SUBSOIL MATERIAL AND FREE OF DENSE MATERIAL, HARDPAN, CLAY, STONES, SOD OR OTHER OBJECTIONABLE MATERIAL.

ii. CONTAINING NOT LESS THAN 5% NOR MORE THAN 20% ORGANIC MATTER IN THAT PORTION OF A SAMPLING PASSING A 1/4" SIEVE WHEN DETERMINED BY THE WET COMBUSTION METHOD ON A SAMPLE DRIED AT 105°C.

iii. CONTAINING A PH VALUE WITHIN THE RANGE OF 6.5 TO 7.5 ON

THAT PORTION OF THE SAMPLE WHICH PASSES A 1/4" SIEVE. iv. CONTAINING THE FOLLOWING WASHED GRADATIONS:

SIEVE DESIGNATION % PASSING

97-100 NO 200 20-60

B. SEED MIXTURE:

PROVIDE FRESH, CLEAN, NEW-CROP SEED MIXED IN THE PROPORTIONS SPECIFIED FOR SPECIES AND VARIETY, AND CONFORMING TO FEDERAL AND STATE STANDARDS. PROVIDE THE FOLLOWING MIXTURES:

i. <u>LAWN SEED MIX</u>

SUN AND PARTIAL SHADE: AMOUNT BY: MINIMUM % PURITY GERMINATION KENTUCKY BLUE GRASS* 95% PERENNIAL RYE 98% 90% CREEPING RED FESCUE 97%

*MINIMUM 2 (EQUAL PROPORTIONS) VARIETIES AS LISTED IN CORNELL RECOMMENDATIONS FOR TURFGRASS. AMOUNT BY: MINIMUM % <u>GERMINATION</u> KENTUCKY BLUE GRASS** PERENNIAL RYE 90% 20% 98% CREEPING RED FESCUE 97% CHEWINGS RED FESCUE 97% **SHADE TOLERANT VARIETY

ii <u>TEMPORARY COVER SEED MIX</u>

MINIMUM % SPECIES OR VARIETY PURITY GERMINATION ANNUAL RYEGRASS

LIME: NATURAL LIMESTONE CONTAINING AT LEAST 85% OF TOTAL CARBONATES, GROUND TO SUCH FINENESS THAT AT LEAST 90% PASSES A 10-MESH SIEVE AND AT LEAST 50% PASSES A 100-MESH

D. FERTILIZER: FOR STARTER FERTILIZING: COMMERCIAL STARTER FERTILIZER, GRANULAR, NONBURNING PRODUCT CONTAINING 5% NITROGEN, 10% AVAILABLE PHOSPHOROUS, AND 5% WATER SOLUABLE POTASH (5-10-5).

ii. FOR FINAL FERTILIZING: IF APPLIED IN SPRING SEASON, SHALL BE A SLOW RELEASE COMMERCIAL FERTILIZER, GRANULAR, WITH 3-1-2 NPK. IF APPLIED IN FALL SEASON, SHALL BE AS SPECIFIED IN (8.D.i) ABOVE.

TREES, SHRUBS, GROUND COVERS, PERENNIALS, ANNUALS: PLANTING SOIL MIXTURE: SHALL BE PREMIXED IN BULK, AND CONTAIN THE FOLLOWING BY VOLUME: 30 PARTS TOPSOIL 10 PARTS PEAT

1 PART BONE MEAL

ii. PEAT: BROWN TO BLACK IN COLOR, WEED AND SEED FREE. DRIED SPHAGNUM PEAT, CONTAINING NOT MORE THAN 9% MINERAL ON A DRY BASIS AND CONFORMING TO NYSDOT 713-15.

iii. BONE MEAL: FINELY GROUND, RAW, MINIMUM 4% NITROGEN AND 20% PHOSPHORIC ACID. IT SHALL BE DELIVERED IN SEALED BAGS SHOWING THE MANUFACTURER'S GUARANTEED ANALYSIS.

F. STAKES: 8 FEET LONG, 3 INCH DIA. CEDAR OR P.T. WOOD STAKES.

G. HOSE: NEW, 2-PLY GARDEN HOSE NOT LESS THAN 1/2 INCH IN DIAMETER.

H. WEED CONTROL FABRIC: SOIL CHECK AS MANUFACTURED BY BRIGHTON BYPRODUCTS CO. INC, NEW BRIGHTON, PA; MIRASCAPE OR MIRAFI GEOSYNTHETIC PRODUCTS, NORCROSS, PA, OR APPROVED EQUIVALENT.

MULCH: <u>LAWN AREAS</u> OAT OR WHEAT STRAW, FREE OF WEEDS. AN ALTERNATIVE IS

WOOD FIBER CELLULOSE IF HYDROSEEDING IS USED. . <u>PLANT BED AREAS</u> GROUND OR SHREDDED HARDWOOD BARK, UNCOLORED. NO

PIECES OVER 2 INCHES GREATEST DIMENSION. FREE FROM SAWDUST. 9. FXFCUTION:

A. LANDSCAPE WORK SHALL BE UNDERTAKEN AS SOON AS SITE AREAS ARE AVAILABLE.

B. TOPSOIL SHALL BE SPREAD NO LESS THAN 4" OVER SUB-GRADE MATERIAL. SOIL AMENDMENTS SHALL BE THOROUGHLY MIXED INTO THE TOP 4" OF TOPSOIL, FOLLOWING THE SPECIFICATIONS STATED BELOW.

C. PERFORM FINE GRADING TO FINISHED ELEVATION ONLY IMMEDIATELY PRIOR TO PLANTING. PLANTING AREAS SHALL BE GRADED TO A SMOOTH, EVEN SURFACE, FREE OF DEPRESSIONS OR RIDGES WITH A UNIFORM LOOSE, FINE TEXTURE.

D. FERTILIZING: THE SOIL SHALL BE TESTED FOR PH AND LIME ADDED AS NECESSARY. ALL AMENDMENTS SHALL BE CHECKED AND APPROVED BY LANDSCAPE ARCHITECT BEFORE AMENDMENTS ARE

ii. APPLY FERTILIZER AT RATE OF 4 LBS/1000 SF FOR LAWN AREAS.

i. LAWN SEED MIX: SEED AT THE RATE OF 5 TO 6 LBS PER 1,000

ii. TEMPORARY COVER SEED MIX: SEED AT THE RATE OF 3 TO 4 LE PFR 1,000 SF.

iii. TEMPORARY COVER SEED MIX TO BE APPLIED ONLY FOR LATE FALL OR SUMMER SOIL STABILIZATION OUTSIDE ALLOWED SEEDING

F. ALL SEEDED AREAS SHALL BE PROTECTED FROM EROSION BY ONE OF THE FOLLOWING METHODS: i. A UNIFORM BLANKET OF STRAW APPLIED AT A RATE OF 2 TONS/ACRE MIN, TO BE APPLIED ONCE SEEDING IS COMPLETE.

ii. WOOD FIBER CELLULOSE APPLIED WITH SEED MIX BY A HYDROSEEDER AT A RATE OF 2,000 LBS/ACRE.

G. ALL SEEDED SLOPES 3:1 OR GREATER SHALL BE PROTECTED FROM EROSION WITH JUTE MESH OR APPROVED EQUAL.

H. ALL NEWLY PLANTED AREAS SHALL BE KEPT MOIST BY WATERING UNTIL GRASSES AND GROUND COVERS ARE WELL ESTABLISHED. THE LANDSCAPE CONTRACTOR MUST WATER PLANT MATERIAL WHEN NECESSARY FOR 60 DAYS AFTER INSTALLATION.

I. LAWNS ARE TO BE WARRANTED UNTIL THEY BECOME ESTABLISHED, UNTIL FINAL ACCEPTANCE, AND NOT LESS THAN 60 DAYS AFTER COMPLETION OF ALL WORK. TREES, SHRUBS, GROUND COVERS, AND PERENNIALS SHALL BE WARRANTED AGAINST DEFECTS INCLUDING POOR GROWTH AND DEATH. EXCEPT WHEN RESULTING FROM OWNER NEGLECT, INCIDENTS THAT ARE BEYOND THE CONTROL OF THE LANDSCAPE INSTALLER AND DAMAGE OR ABUSE BY OTHERS, FOR AT LEAST ONE FULL YEAR AFTER PROJECT COMPLETION.

21 Fox Street Poughkeepsie, NY 12601

(845) 454-3980 labellapc.com

It is a violation of New York Education Law Article 145 Sec.7209, for any person, unless acting under the direction of a licensed architect, professional engineer, land surveyor, landscape architect or geologist to alter an item in any way. If an item bearing the seal of an architect, engineer, or land surveyor is altered; the altering architect, engineer, land surveyor, landscape architect or geologist shall affix to the item their seal and notation "altered by" followed by their signature and date of such alteration, and a specific description of the alteration.

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OBERCREEK BREWING

59 Marlorville Road Wappingers Falls, NY 12590



OBERCREEK BREWERY & TASTING ROOM

81 New Hamburg Road Wappingers Falls, NY 12590

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)		5	10/04/2023	REVISED PER TOWN COMMENTS
		4	08/14/2023	REVISED PER TOWN COMMENTS
_BS		3	06/07/2023	REVISED PER DCDBCH COMMENTS
		2	03/30/2023	REVISED PER DPW COMMENTS
		1	02/03/2023	REVISED PER DPW COMMENTS
IG		NO:	DATE:	DESCRIPTION:
		Revisions		

PROJECT NUMBER: 70608-02 DRAWN BY: REVIEWED BY:

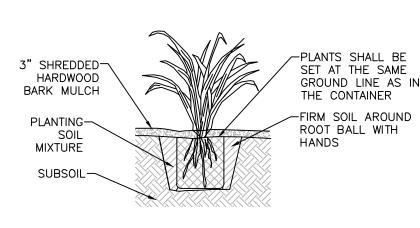
ISSUED FOR: PLANNING BOARD REVIEW

DATE: 05/09/22

DRAWING NAME:

LANDSCAPE DETAILS

DRAWING NUMBER:



SECTIONAL ELEVATION

1. SPADED PLANTING SOIL MIX (4"-6" DEPTH), ADD FERTILIZER WHEN MIXING. DO NOT COMPACT ÁFTER PLANTING. 2. WATER THOROUGHLY AFTER PLANTING. 3. PROVIDE WELL DRAINING SUBSOIL WHEN SOIL IS HEAVY

OR COMPACTED. 4. PLANTS SHALL BE REMOVED FROM ALL CONTAINERS WHEN PLANTED, UNLESS OTHERWISE STATED IN THE PLANT SCHEDULE.

CONTAINERIZED PERENNIAL PLANTING SCALE: NOT TO SCALE

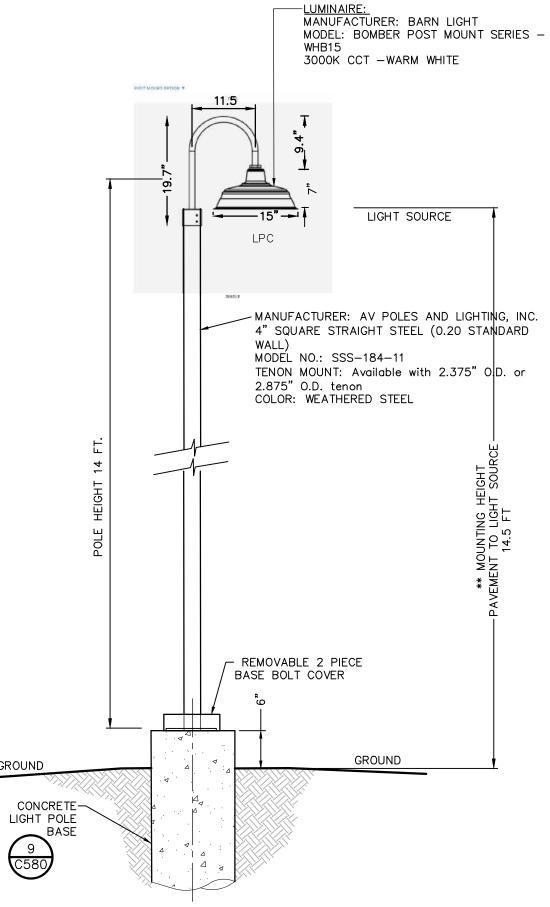
-2" SHREDDED HARDWOOD MULCH INSTALLED PRIOR TO PLANTING 6" DEEP BED OF PLANTING SUBSOIL TO BE-SOIL MIXTURE BROKEN WITH A PICK AXE

GROUND COVERS SHOULD BE POT OR CONTAINER GROWN. **GROUND COVER &** ANNUAL PLUG PLANTING SCALE: NOT TO SCALE

NOTES: 1. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.

- 2. ALL EXCAVATIONS SHALL BE BACKFILLED WITH STRUCTURAL FILL AND COMPACTED TO 95% OF MAXIMUM MATERIAL DENSITY.
- 3. ELECTRICAL POWER SUPPLY, WIRE, AND CONDUIT BY OTHERS.

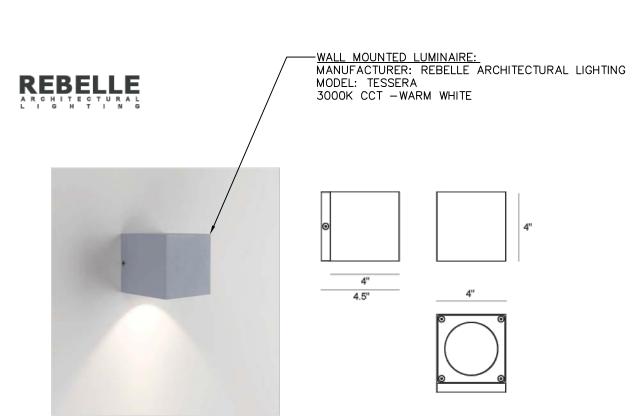




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Tessera 3100LED Wall Mount

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CATALOG NO.	WATTS	LUMENS	COLOR TEMP	TOTAL LED	
STG-2412-27K	1W per bulb	75LM per S14 bulb	2700K	12	

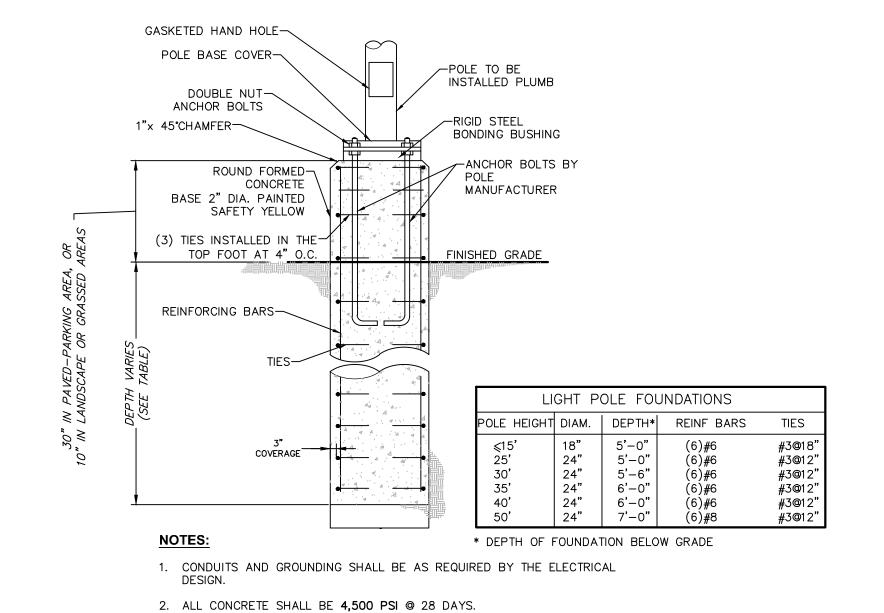




LED OUTDOOR LIGHTING LED STRING LIGHTS

G NO.	WATTS	LUMENS	COLOR TEMP	TOTAL LED	
12-27K	1W per bulb	75LM per \$14 bulb	2700K	12	
	WW.WESTSATEMF6.CO	M TOLL FREEDS7	7.805.2352 FAX: 87	71.809.2252 WEST	GATE MFG





3. ALL REINFORCING STEEL SHALL BE GRADE 60.

COMPACTED FILL PER SITE GRADING PLANS.

ANCHOR BOLT LIMITS.

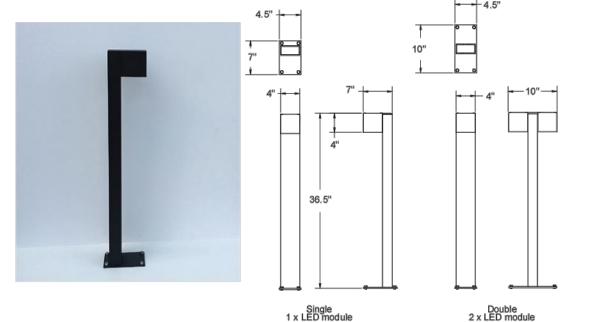
4. DESIGNED FOR 90 MPH WIND WITH FIXTURE AREA OF 13 SF.

5. FOUNDATION DIAMETER AND REINFORCING CIRCLE SHALL BE COORDINATED WITH

FOUNDATIONS SHALL BE AUGGERED INTO UNDISTURBED NATURAL SOIL OR

CONCRETE BASE FOR LIGHT POLE

REBELLE ARCHITECTURAL LIGHTING



Tessera 3151LED Bollard

EXTERIOR LUMINAIRE: MANUFACTURER: REBELLE ARCHITECTURAL LIGHTING MODEL: TESSERA 3451 LED BOLLARD 3000K CCT -NEUTRAL WHITE

PATHWAY LIGHTING - BOLLARD DETAIL

LIGHTING DETAILS

70608-02

SMD

PLANNING BOARD REVIEW

05/09/22

DRAWING NUMBER:

21 Fox Street

labellapc.com

(845) 454-3980

Poughkeepsie, NY 12601

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COMPANY

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REVISED PER TOWN COMMENTS

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5 10/04/2023

4 08/14/2023

3 | 06/07/2023

1 02/03/2023

NO: DATE:

PROJECT NUMBER:

Revisions

DRAWN BY:

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ISSUED FOR:

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DATE: