OBERCREEK BREWERY & TASTING ROOM

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

INDEX OF DRAWINGS

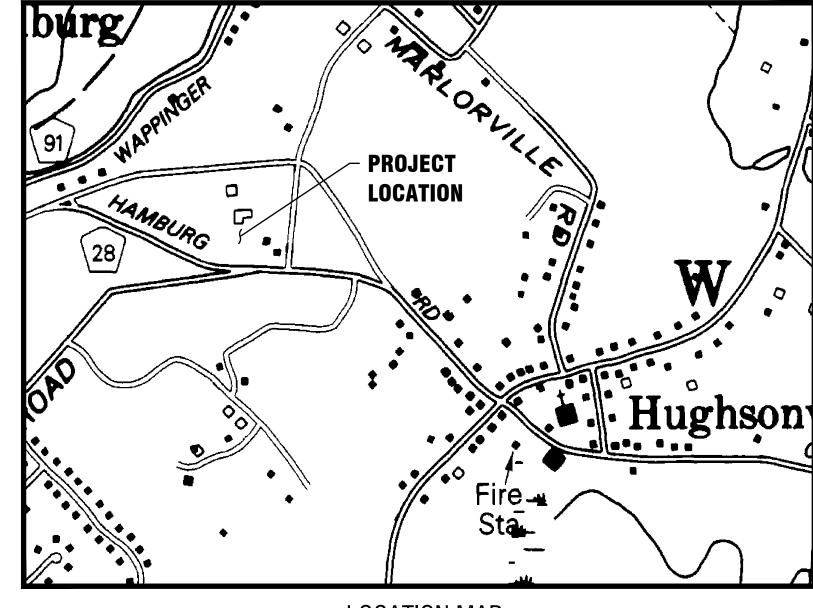
BULK TABLE REQU	IREMENTS	Project #:	CZ70608.02
Zoning District: Or	ne-Family Residential (R-80)	Date:	6/7/2023
Proposed Use: Far	m Brewery & Tasting Room		
		REQUIRED	PROPOSED
Minimum lot area	(SF)	80,000	872,899 ¹
Minimum lot widt	h (FT)	200	683
Minimum lot dept	:h (FT)	200	540
Minimum lot fron	tage (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

NOTES:

1. Reflects the proposed lot area of Lot 7 of the Obercreek Lot Line Revisions project (LaBella/Chazen Project # 70608.01), conditionally approved by the Town of Wappinger 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, zoning variance obtained from Town of Wappinger Zoning Board of Appeals on 12/8/20. Proposed side yard is 41-ft.

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1	G001	8/14/23	COVER SHEET
2	G002	8/14/23	NOTES AND LEGENDS SHEET
3	C120	8/14/23	TRUCK MANEUVERING PLAN
4	C130	8/14/23	SITE PLAN
5	C140	8/14/23	GRADING & DRAINAGE PLAN
6	C150	8/14/23	EROSION & SEDIMENT CONTROL PLAN
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8	C161	8/14/23	WATER SERVICE CONNECTION PLAN
9	C180	8/14/23	LANDSCAPE PLAN
10	C190	8/14/23	PHOTOMETRIC PLAN
11	C530	8/14/23	SITE DETAILS
12	C540	8/14/23	EROSION & SEDIMENT CONTROL DETAILS
13	C550	8/14/23	WATER SYSTEM DETAILS
14	C560	8/14/23	SANITARY SEWER SYSTEM DETAILS
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16	C580	8/14/23	LANDSCAPE DETAILS
17	C590	8/14/23	LIGHTING DETAILS



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

TAX PARCEL DESIGNATION:

EFFECTIVE DATE OF MAY 2, 2012.

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

SITE AREA:

SEE BULK TABLE NOTE

PHONE: (845) 454-3980

TOTAL PARCEL AREA: 20.04 ACRES ± (872,899± S.F.)
ZONING DISTRICT: R80

SITE CIVIL ENGINEER & SURVEYOR:

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

OBERCREEK BREWING COMPANY

59 MARLORVILLE ROAD
WAPPINGERS FALLS, NEW YORK 12590
PROJECT NO: CZ70608.02
LAST REVISED: AUGUST 14, 2023

			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

Not

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.

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 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

CHAIRMAN, TOWN PLANNING BOARD



800-962-7962



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

labellapc.com

- MONUMENTATION DISTURBED OR DESTROYED, AS JUDGED BY THE ENGINEER OR OWNER, SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE AND UNDER THE SUPERVISION OF A 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. 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. 2. 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.
- D. TACK COAT ENTIRE VERTICAL SURFACE OF ABUTTING EXISTING PAVEMENT. 6. AFTER COMPLETION OF PAVING AND SURFACING OPERATIONS, CLEAN SURFACES OF EXCESS OR SPILLED ASPHALT, GRAVEL OR STONE MATERIALS TO THE SATISFACTION OF THE ENGINEER

GRADING NOTES

- PRIOR TO SITE DISTURBANCE, CONTRACTOR TO INSTALL EROSION & SEDIMENT CONTROL MEASURES.
- 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
- OF THE WORK. 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. I. 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
- 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

WARNINGS. AND USE OF BLAST MATS SHALL BE IMPLEMENTED.

OVERPRESSURE (PSI) SHALL BE PERFORMED DURING ALL BLASTS.

10.MONITORING OF PEAK PARTICLE VELOCITY (INCHES/SECOND) AND PEAK AIRBLAST

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.

NSPECT 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.

SOIL STOCKPILE:
INSPECT SEDIMENT CONTROL BARRIERS (SILT FENCE OR HAY BALE) AND VEGETATION
A STEED EVERY PAIN EVENT MAKE ALL REPAIRS 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.

BLANKET SHALL BE REPLACED.

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 OCTOBER 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:

- EMPORARY VEGETATIVE COVER (DURING CONSTRUCTION): 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)

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
- FERTILIZER: USE 5-10-5 (NPK) OR EQUIVALENT. APPLY AT RATE OF 4 LBS/1000 SF. INCORPORATE LIME AND FÈRTILÍZER IN THE TOP 4 INCHES OF TOPSOIL.
- G. SMOOTH AND FIRM THE SEEDBED.

D. LIME TO PH OF 6.5.

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 AI	ND PARTIAL SHADE:		
AMOUN	T BY:	MINIMUM	%
WEIGHT	SPECIES OR VARIETY	PURITY	GERMINATIC
50%	KENTUCKY BLUE GRASS*	95%	80%
20%	PERENNIAL RYE	98%	90%
30%	CREEPING RED FESCUE	97%	85%

*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%			

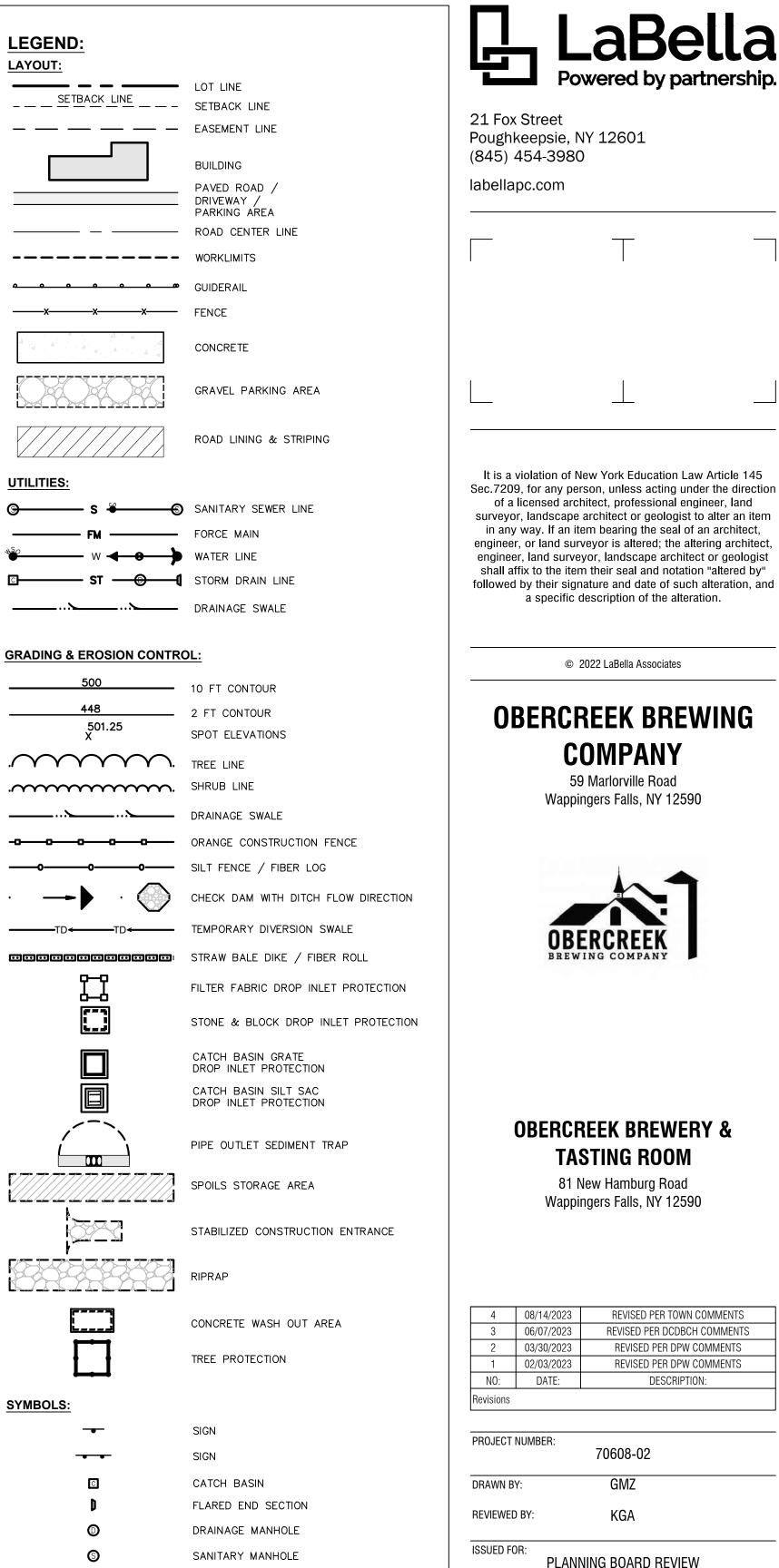
- A. APPLY SEED UNIFORMLY BY CYCLONE SEEDER CULTI-PACKER OR HYDRO-SEEDER AT RATE B. ALL SEEDED AREAS SHALL BE PROTECTED FROM EROSION BY ONE OF THE FOLLOWING
- METHODS: i. A UNIFORM BLANKET OF STRAW APPLIED AT A RATE OF 2 TONS /ACRE MIN., TO BE APPLIED ONCE SEEDING IS COMPLETE. ii. WOOD FIBER CELLULOSE APPLIED WITH SEED MIX BY HYDROSEEDER AT RATE OF 2,000
- 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

LBS/ACRE

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



CLEANOU⁻

HYDRANT

REDUCER

LIGHT POLE

LIGHT WALL PACK

LIGHTED BOLLARD

PARKING COUNT

SOIL BORING

TEST PIT

POST AND LUMINAIRE

WATER VALVE

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. © 2022 LaBella Associates **OBERCREEK BREWING** 59 Marlorville Road Wappingers Falls, NY 12590 **OBERCREEK BREWERY &** TASTING ROOM 81 New Hamburg Road Wappingers Falls, NY 12590 4 08/14/2023 REVISED PER TOWN COMMENTS REVISED PER DCDBCH COMMENTS 3 06/07/2023 03/30/202 REVISED PER DPW COMMENTS 1 02/03/2023 REVISED PER DPW COMMENTS NO: DATE: Revisions PROJECT NUMBER: 70608-02 DRAWN BY:

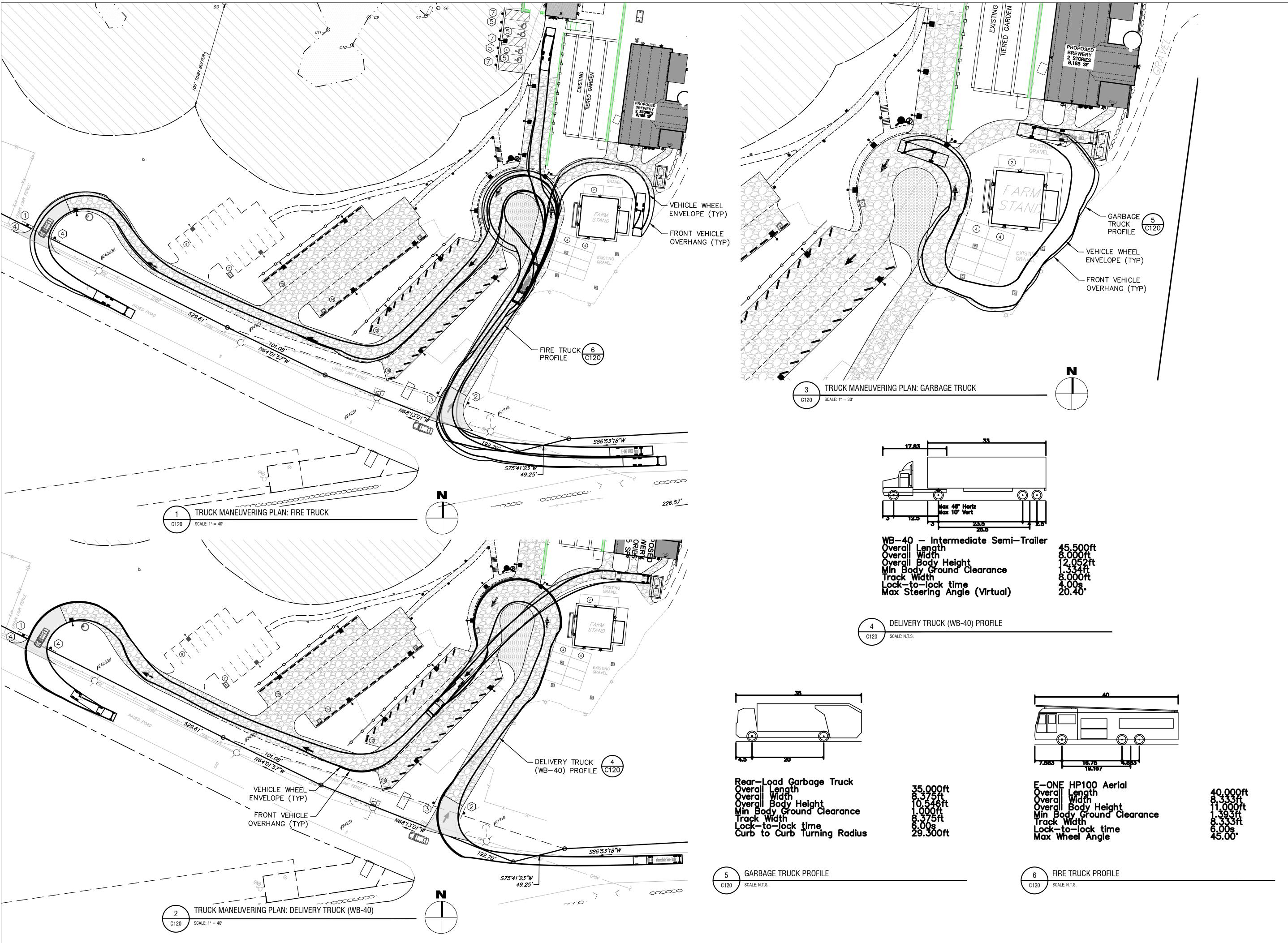
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of a licensed architect, professional engineer, land

in any way. If an item bearing the seal of an architect,

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NOTES AND LEGENDS SHEET





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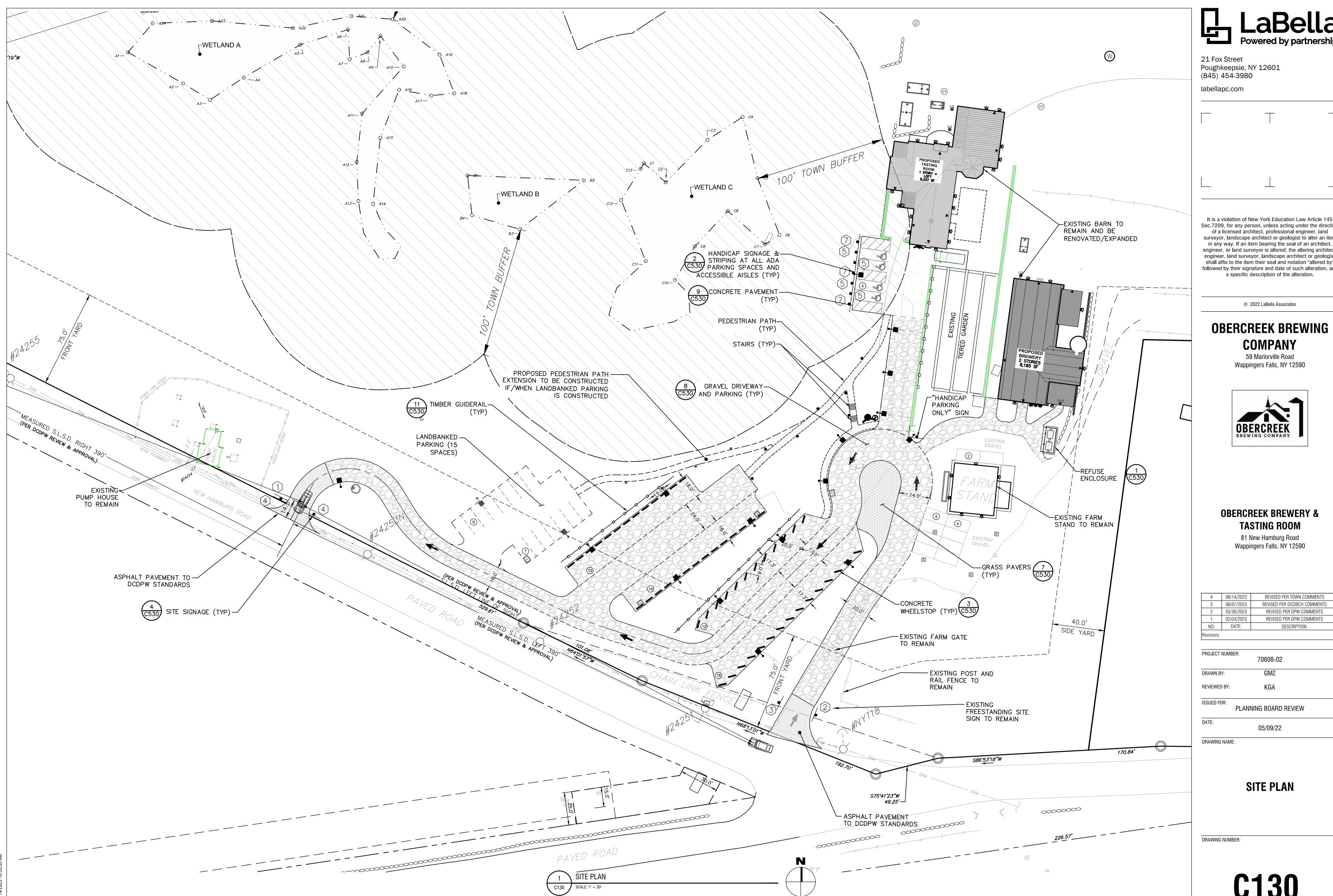
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TRUCK MANEUVERING PLAN

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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:	4	00/14/2023	NEVIOLD FEN TOWN COMMUNICITY			
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GRADING & DRAINAGE PLAN

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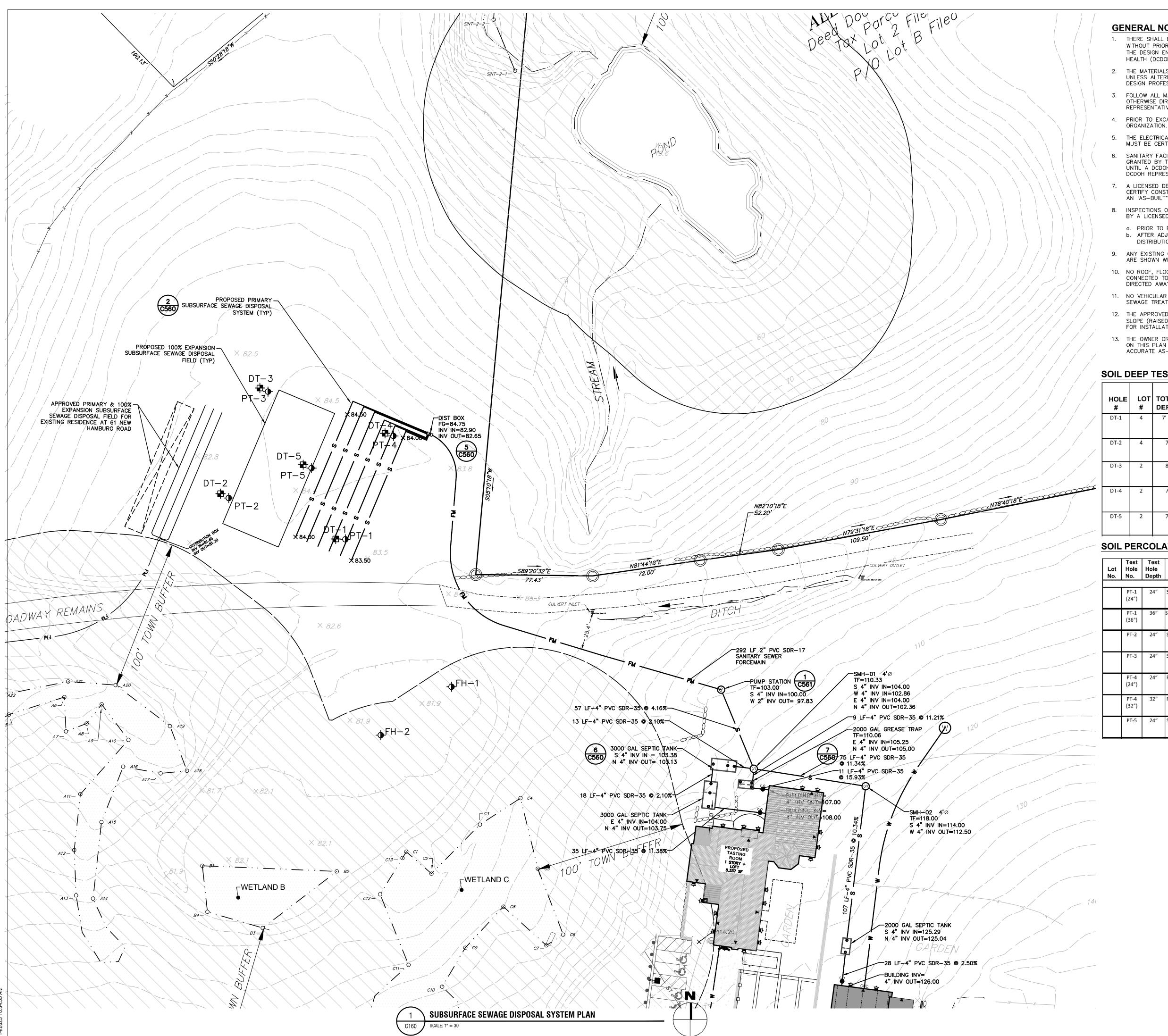
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EROSION & SEDIMENT CONTROL PLAN

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GENERAL NOTES:

- 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).
- 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. 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.
- 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 SEWAGE TREATMENT SYSTEM EXCEPT AS NOTED.
- 12. THE APPROVED SEWAGE DISPOSAL SYSTEM AREA AND AN AREA 100-FEET DOWN SLOPE (RAISED BED SYSTEMS) SHALL REMAIN UNDISTURBED EXCEPT AS NECESSARY FOR INSTALLATION OF THE SYSTEM.
- 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):

	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'		1		0-6"' Topsoil 6-24" Sandy Loam 24-84" run of bank
	DT-3	2	8'				0-12" Topsoil 12-42" Sandy Loam 42-96" Fine sand
	DT-4	2	7′				0-6" Topsoil 6-18" Sandy Loam 18-84" run of bank
	DT-5	2	7′				0-6" Topsoil 6-30" Sandy Loam

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

Lot No.	Hole No.	Hole Depth	Soil Type	Soaked			TEST	RUNS		
					*	1	2	3	4	5
	PT-1	24"	Sandy Loam	Yes	Finish					
	(24")				Start					
					Time	22 min	22 min	22 min		
	PT-1	36"	Sandy Loam	Yes	Finish					
	(36")				Start					
					Time	1:00	1:00	1:05	(min)	
	PT-2	24"	Sandy Loam	Yes	Finish					
					Start					
					Time	1:00	1:00	1:10	(min)	
	PT-3	24"	Sandy Loam	Yes	Finish					
					Start					
					Time	1:00	1:00	1:00	(min)	
	PT-4	24"	Run of bank	Yes	Finish					
	(24")				Start					
					Time	28 min	29 min	29 min		
	PT-4	32"	Run of bank	Yes	Finish					
	(32")				Start					
					Time	1:00	1:30	1:40	(min)	
	PT-5	24"	Sandy Loam	Yes	Finish					
					Start					
					Time	1:05	1:30	1:45	(min)	



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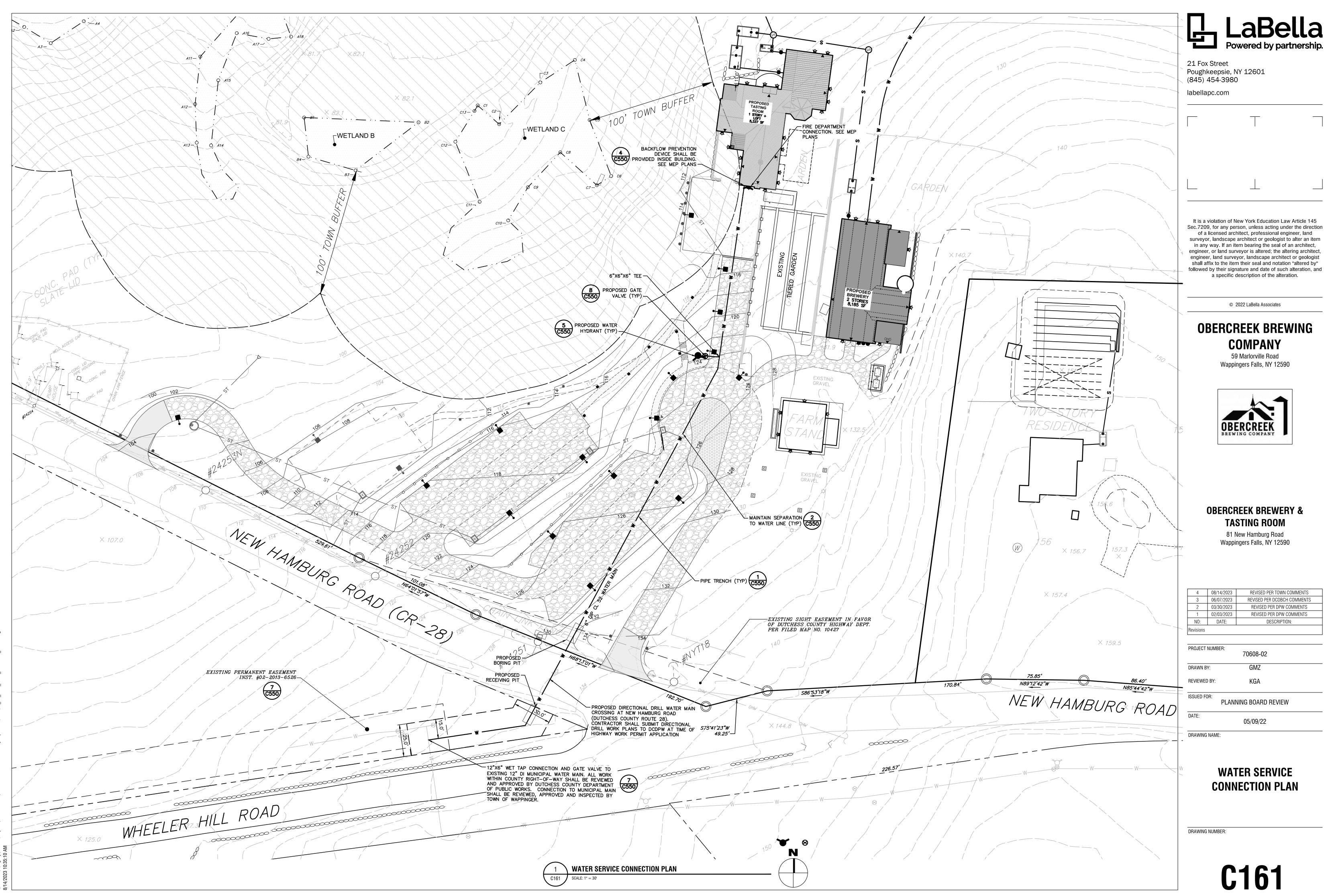
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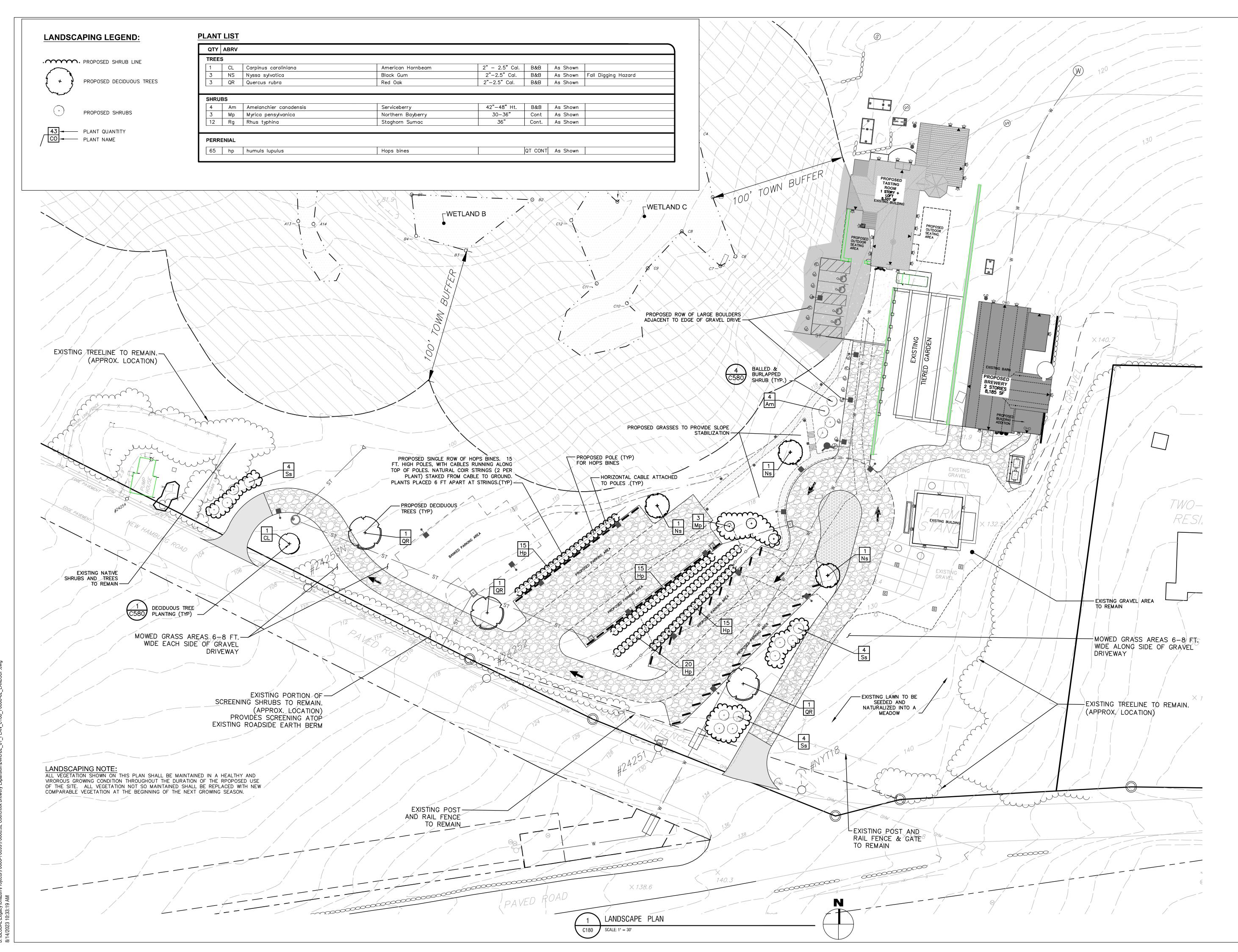
DRAWING NAME:

SUBSURFACE SEWAGE DISPOSAL SYSTEM PLAN



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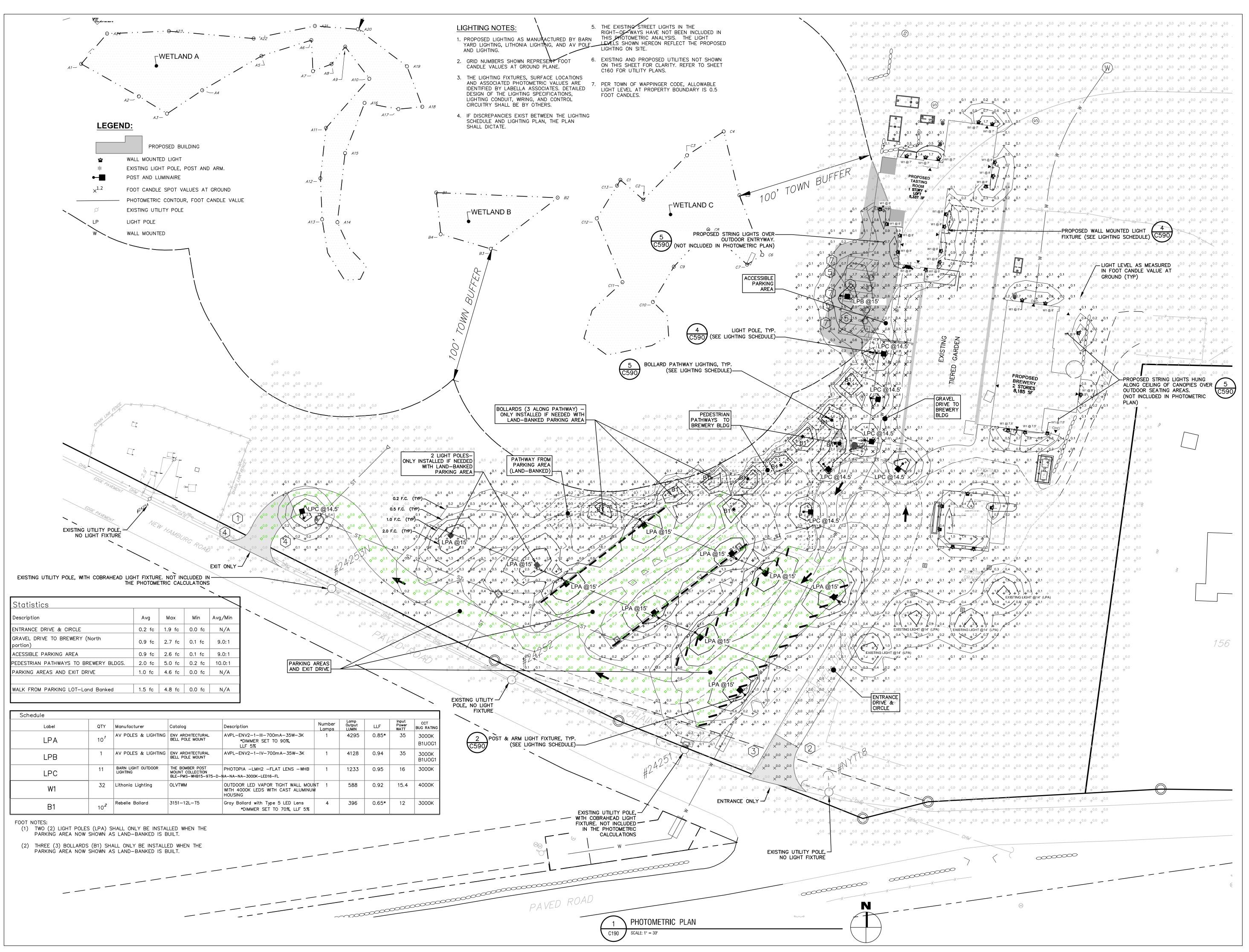
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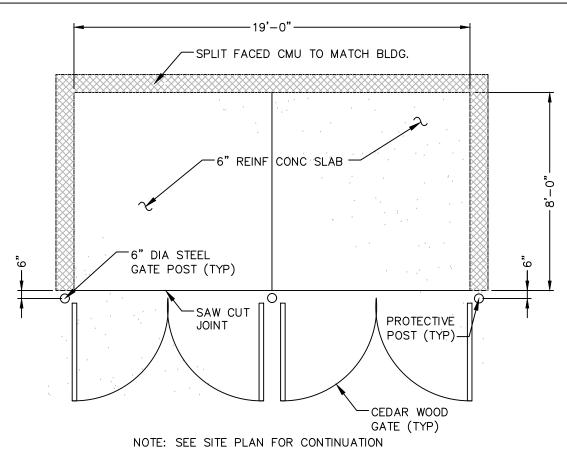
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OF CURBS AND FOR ADDITIONAL INFORMATION. **DUMPSTER PAD & ENCLOSURE DETAIL**

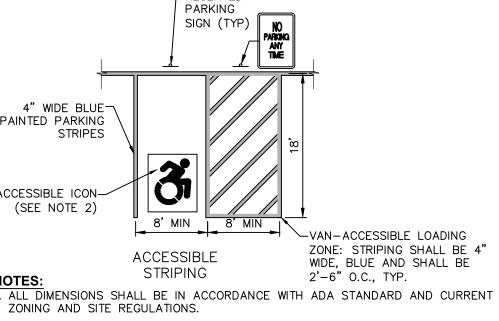
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4" WIDE BLUE¬ PAINTED PARKING STRIPES ACCESSIBLE ICON-(SEE NOTE 2)

1. 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

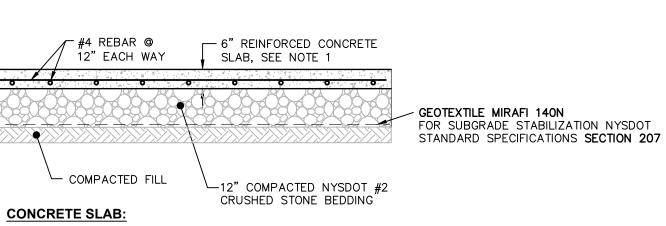
PARKING STRIPING



-RESERVED

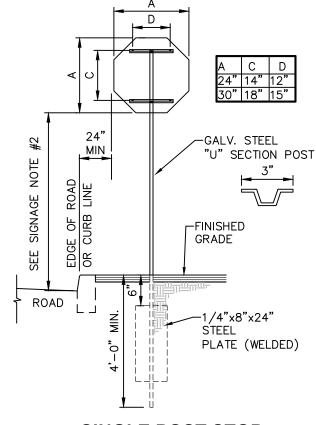
1.5% IN ANY DIRECTION. 4. SEE PLAN FOR ACTUAL LOCATION OF SIGNAGE PAVEMENT MARKING DETAIL

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.





SINGLE POST STOP SIGN MOUNTING DETAIL SCALE: NOT TO SCALE

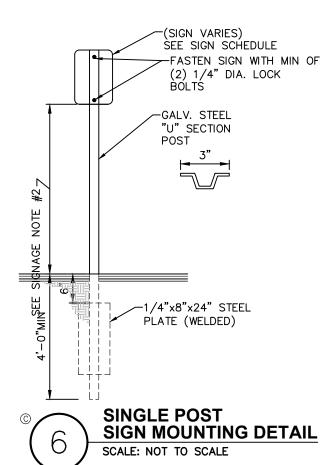
- ALL STRIPING SHALL CONFORM TO THE LATEST EDITION OF THE NYSDOT STANDARD SPECIFICATIONS, SECTION 640 AND THE "NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" -2009 EDITION AND THE "NYS SUPPLEMENT."
- 2. STRIPE PAVEMENT AS INDICATED ON THE PLANS AND/OR I ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REQUIREMENTS. 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

SIGNAGE NOTES:

SPECS **SECTION 730**.

- 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



12" FROM PAVEMENT EDGE OR

7' LONG PRECAST BUMPER

BLOCK BY FORT MILLER CO.

PAVEMENT SECTIONS—

(2) RODS 24" LONG, 30" FROM

CENTER (DIAMETER OF ROD TO

COORDINATE W/ OWNER

FIT SNUGGLY IN PRECAST HOLE)-

NOTE: A 6 FT. LONG RECYCLED PLASTIC COMPACT WHEEL STOP CAN BE SUBSTITUTED,

WHEEL STOP

SCALE: NOT TO SCALE

PRECAST CONCRETE

OBSTRUCTION OR FROM STALL END ---

----9 1/2"---|

- | 3*|-3 ½"-|3"|-

3'-0" FROM VERTICAL

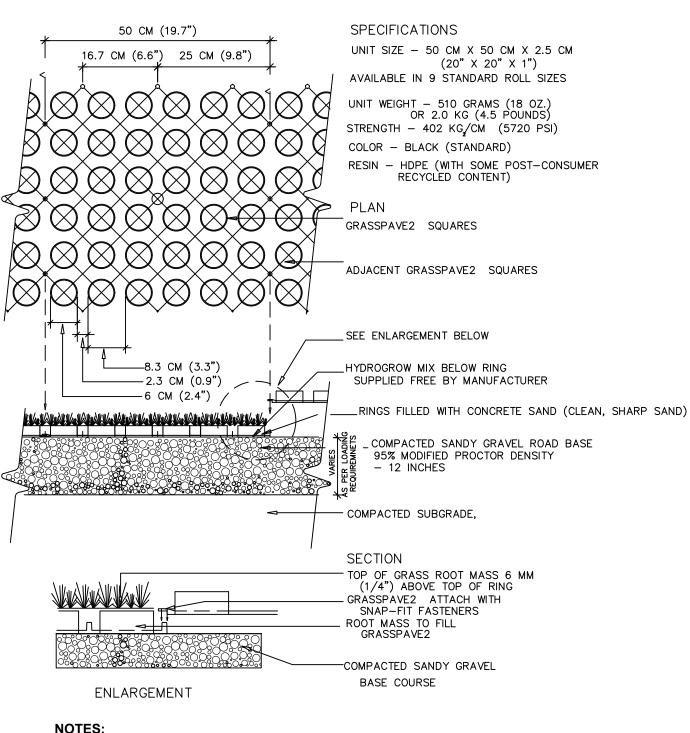
OR EQUAL---

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 SIGN MOUNTING DETAIL

SCALE: NOT TO SCALE

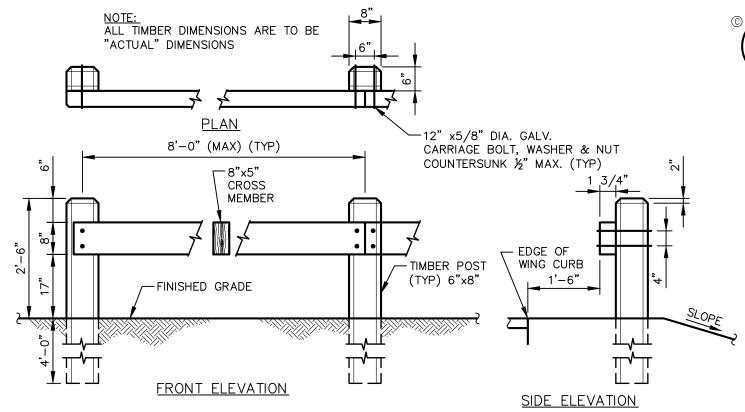


1. GRASS PAVER TO BE DESIGNED TO SUPPORT FIRE TRUCK LOADING. FIRE TRUCK WEIGHT ESTIMATED TO BE 75,000 LBS.
2. GRASS PAVER MARKERS TO BE NEAR FLUSH WITH GROUND.

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

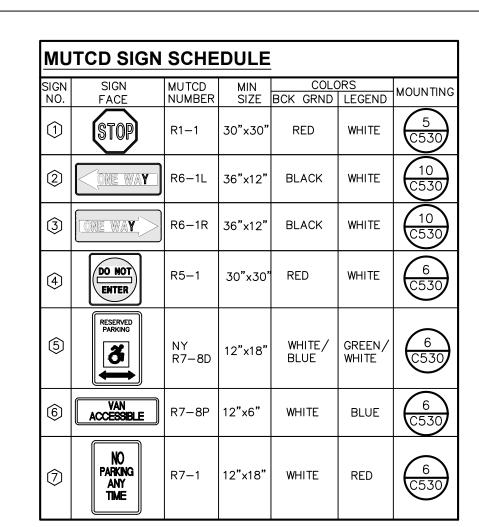


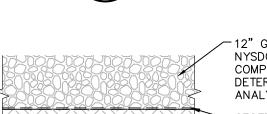
MANUFACTURER RECOMMENDATIONS.



TIMBER GUIDERAIL

SCALE: NOT TO SCALE





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.

SIGN SCHEDULE

SCALE: NOT TO SCALE

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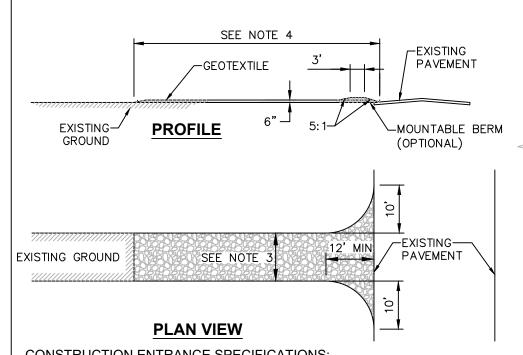
	08/14/2023	REVISED PER TOWN COMMENTS
3	06/07/2023	REVISED PER DCDBCH COMMENTS
2	03/30/2023	REVISED PER DPW COMMENTS
1	02/03/2023	REVISED PER DPW COMMENTS
NO:	DATE:	DESCRIPTION:

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

SITE DETAILS

DRAWING NUMBER:

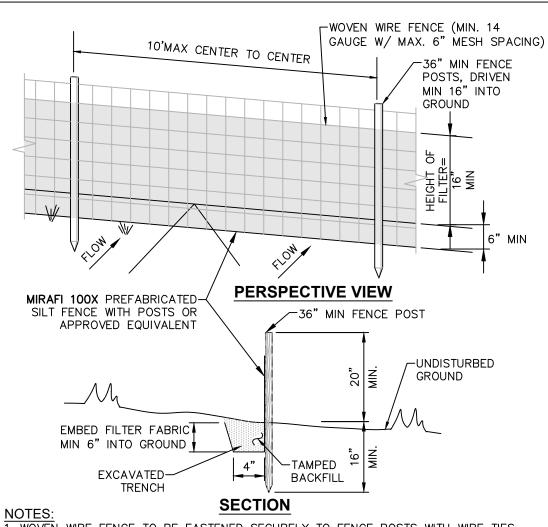
DRAWING NAME:



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.

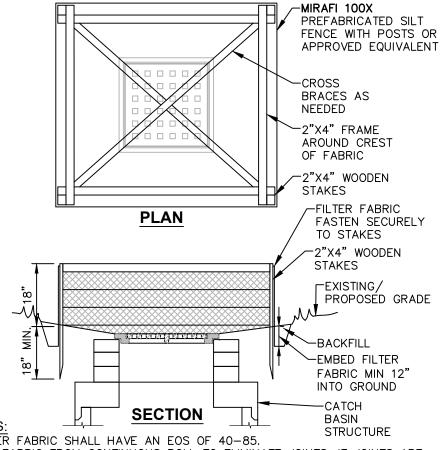
STABILIZED **CONSTRUCTION ACCESS DETAIL** SCALE: NOT TO SCALE



NOTES:

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES 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 8. MAXIMUM ALLOWABLE SLOPE LENGTHS CONTRIBUTING RUN-OFF TO A SILT FENCE ARE: SLOPE STEEPNESS MAXIMUM SLOPE LENGTH(FT)
 - 5.1 OR FLATTER SILT FENCE INSTALLATION DETAIL SCALE: NOT TO SCALE

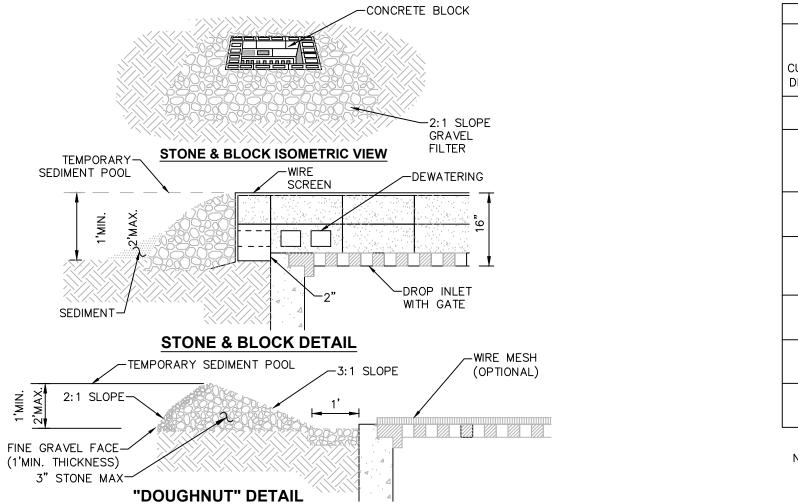


. FILTER FABRIC SHALL HAVE AN EOS OF 40-85. 2. CUT FABRIC FROM CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED, OVERLAP TO THE NEXT STAKE. 3. STAKE MATERIALS WILL BE STANDARD 2"x4" WOOD OR EQUIVALENT, WITH A MINIMUM LENGTH OF 3 FEET. 4. SPACE STAKES EVENLY AROUND INLET 3 FEET APART AND DRIVE MINIMUM 18"

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. 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

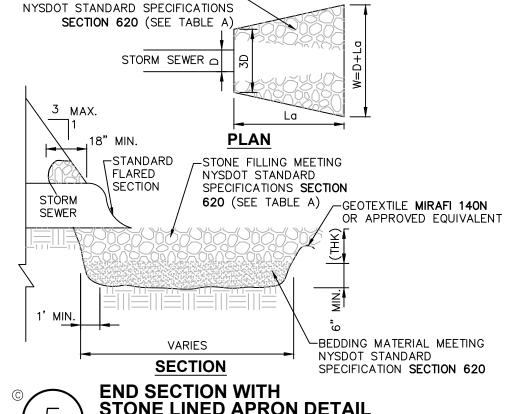
TO SUPPORT STONE. 3. USE NYSDOT #4 CRUSHED STONE FILLING PLACED 2 INCHES BELOW TOP OF THE BLOCK ON A 2:1 SLOPE OR FLATTER.

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.

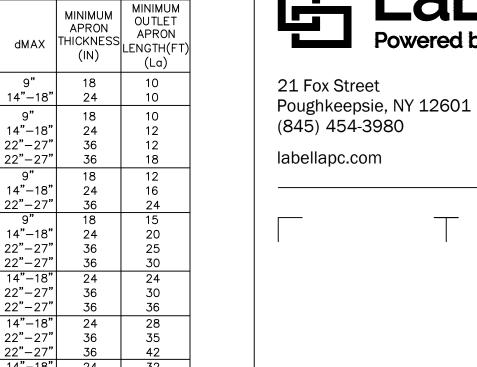
CATCH BASIN STONE AND **BLOCK INLET PROTECTION DETAIL** SCALE: NOT TO SCALE

ST	ONE AP	RON SIZING	REQUI	REMEN	T - TABL	E "A"
CULVERT DIA. (D)	CULVERT SLOPE, %	NYSDOT STANDARD STONE FILLING APRON MATERIAL	d50	dMAX	MINIMUM APRON THICKNESS (IN)	MINIMUM OUTLET APRON LENGTH(F1 (La)
12"	< 8	LIGHT	6"	9"	18	10
	8–10	MEDIUM	9"–12"	14"–18"	24	10
18"	< 4	LIGHT	6"	9"	18	10
	4-6	MEDIUM	9"-12"	14"-18"	24	12
	6-8	HEAVY	15"-18"	22"-27"	36	12
	8-10	HEAVY	15"-18"	22"-27"	36	18
24"	< 3	LIGHT	6"	9"	18	12
	3-4	MEDIUM	9"–12"	14"–18"	24	16
	4-8	HEAVY	15"–18"	22"–27"	36	24
30"	< 1	LIGHT	6"	9"	18	15
	1-2	MEDIUM	9"–12"	14"–18"	24	20
	2-4	HEAVY	15"–18"	22"–27"	36	25
	4-6	HEAVY	15"–18"	22"–27"	36	30
36"	< 2	MEDIUM	9"-12"	14"-18"	24	24
	2-3	HEAVY	15"-18"	22"-27"	36	30
	3-5	HEAVY	15"-18"	22"-27"	36	36
42"	< 1	MEDIUM	9"-12"	14"-18"	24	28
	1-2	HEAVY	15"-18"	22"-27"	36	35
	2-3	HEAVY	15"-18"	22"-27"	36	42
48"	< 1	MEDIUM	9"-12"	14"-18"	24	32
	1-2	HEAVY	15"-18"	22"-27"	36	40
	2-3	HEAVY	15"-18"	22"-27"	36	48

STONE FILLING MEETING-



STONE LINED APRON DETAIL SCALE: NOT TO SCALE



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2	03/30/2023	REVISED PER DPW COMMENTS
1	02/03/2023	REVISED PER DPW COMMENTS
NO:	DATE:	DESCRIPTION:
Revisions		
PROJECT	NUMBER:	70608-02
		/ 0000-02
DRAWN B'	Y:	GMZ
REVIEWED	BY:	KGA
ISSUED FO	ND.	
		NING BOARD REVIEW

4 | 08/14/2023 | REVISED PER TOWN COMMENTS

3 06/07/2023 REVISED PER DCDBCH COMMENTS

EROSION & SEDIMENT CONTROL DETAILS

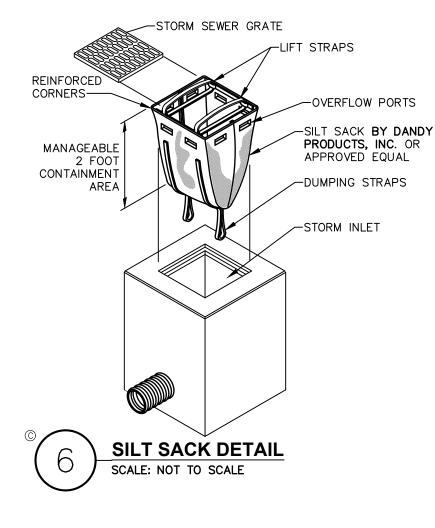
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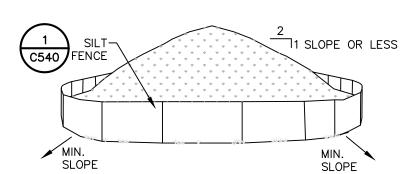
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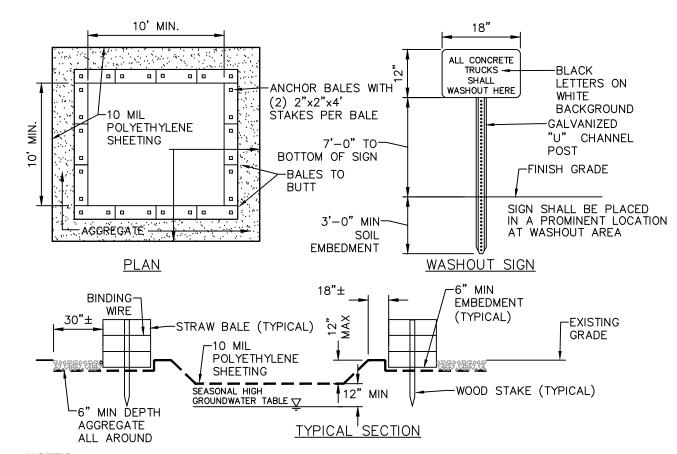
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- . AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY 2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 1V:2H. 3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL
- BE SURROUNDED WITH SILT FENCING, THEN STABILIZED WITH VEGETATION OR COVERED. 4. SEE SPECIFICATIONS FOR INSTALLATION OF SILT FENCE.
- TEMPORARY SOIL STOCKPILE DETAIL SCALE: NOT TO SCALE



- NOTES:

 1. CONTAINMENT MUST BE STRUCTURALLY SOUND
- AND LEAK FREE AND CONTAIN ALL LIQUID
- 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. 2. CONTAINMENT DEVICES MUST BE OF SUFFICIENT 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 PROPERLY.

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% 0 - 70%NO. 40 NO. 200 0-10%

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 % 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.

PIPE TRENCH DETAIL (TYPICAL)

EXISTING.

-EXISTING SUBBASE

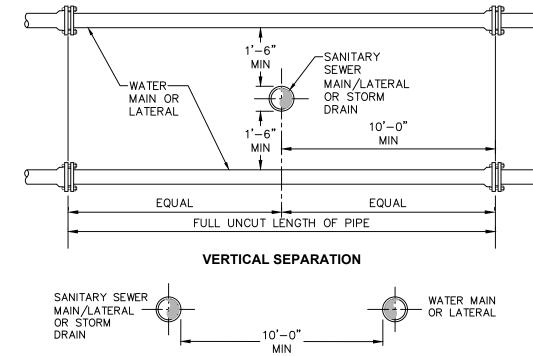
SCALE: NOT TO SCALE -SAW CUT EDGES OF ∼W+36" PAVEMENT. APPLY TACK COAT -PAVEMENT 1 —IF EXISTING ASPHALT SECTION PAVEMENT DEPTH IS GREATER THAN THE PAVEMENT SECTION, INCREASE PROPOSED 18" ASPHALT BINDER THICKNESS TO MATCH EACH

-SUBBASE COURSE LIMITS OF TRENCH EXCAVATION "W" -TRENCH BACKFILL 1. SAW CUT AS INDICATED, 18" BEYOND EXCAVATION.

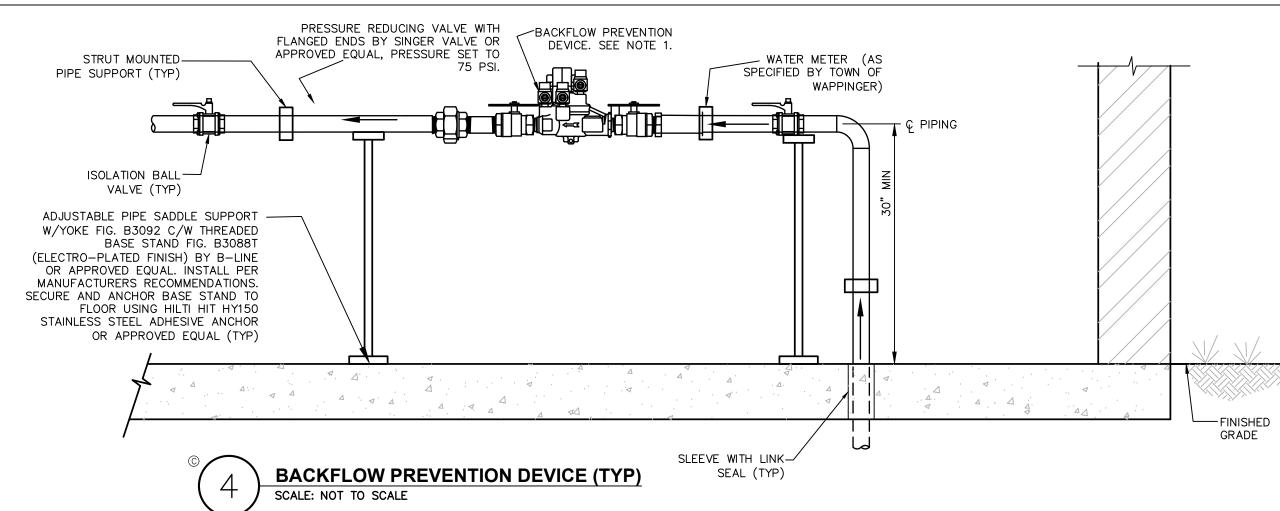
SIDE (TYP.)

2. FURNISH, PLACE, AND COMPACT SUBBASE. 3. TACK COAT IN ACCORDANCE WITH NYSDOT STANDARD SPEC. 4. FURNISH AND PLACE ASPHALT CONCRETE PAVEMENT AS SPECIFIED.

TRENCH SURFACE RESTORATION IN ASPHALT PAVEMENT SCALE: NOT TO SCALE



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

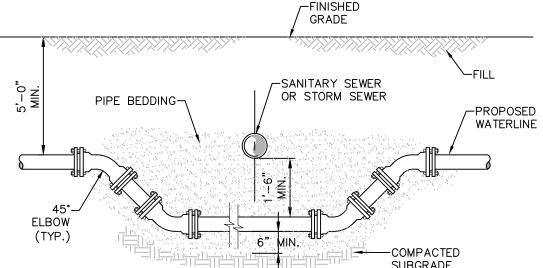
TO THE NEAREST WALL OR OBSTRUCTION - 18" MIN CLEARANCE BETWEEN THE BOTTOM OF THE RELIEF VALVE AND THE FLOOR (RPZ - AN AIR GAP OF AT LEAST TWICE THE DIAMETER OF THE DRAIN LINE SHALL BE PROVIDED ABOVE THE FLOOR DRAIN. THE AIR GAP SHALL IN NO CASE BE LESS THAN 1 INCH (RPZ

- 8" MIN OF CLEAR SPACE FROM THE BACK SIDE OF THE DEVICE

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

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 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.



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.

MINIMUM VERTICAL SEPARATION BETWEEN WATER LINES AND SEWER PIPE SHALL BE 18 3. DISINFECTED WATER MUST REMAIN IN THE WATER MAINS FOR A 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.

10. THE WATER LINE SHALL BE INSTALLED AT A CONTINUOUS GRADE WITH NO ABRUPT 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.

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

ANCHORING PIPE REQUIRED FOR

OTHER RESTRAINT OPTION MAY

-RESTRAINED

WHEN REQ'D

SYSTEM SIDE OF VALVE

MUST BE RESTRAINED

(36'MIN)

~MAIN

NOTE: 2 LENGTHS OF PIPE ON

RFDUCFR

BE USED ONLY WITH APPROVAL

ADDITIONAL THRUST

BLOCKING AS REQ'D

MJ GATE VALVE

-SPOOL

KFFP AS

SHORT AS

POSSIBLE

∕STANDARD 6" MJ HYDRANT

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

MJ GATE

VALVE

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.

. THE CONTRACTOR SHALL NOTIFY THE MUNICIPALITY AND THE PROJECT FNGINFFR 48 HOURS PRIOR TO DISINFFCTING THE SERVICE LINES.

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

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:

END OF TEST.

. 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.

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 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

VALVES SHALL BE OPENED BY TURNING OPERATING NUT

. HYDRANTS SHALL BE TRAFFIC TYPE WITH BREAKABLE

SAFETY FLANGE WITH RED EXTERIOR ALKYD GLOSS

FNAMFI PAINT HYDRANTS SHALL BE TOUCHED UP TO

REMOVE ANY MARKS OR SCRAPED PAINT CAUSED BY

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

2. HYDRANTS SHALL BE CAST IRON BODY, DRY BARREL

PRESSURE AND CLOSING WITH PRESSURE, 6-INCH

AWWA STANDARD C-502.

INSTALLATION OR TRANSIT.

21 Fox Street Poughkeepsie, NY 12601

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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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OBERCREEK BREWING

59 Marlorville Road Wappingers Falls, NY 12590



OBERCREEK BREWERY & TASTING ROOM

81 New Hamburg Road Wappingers Falls, NY 12590

2 03/30/2023 REVISED PER DPW COMMENTS 1 02/03/2023 REVISED PER DPW COMMENTS NO: DATE: DESCRIPTION:	2 03/30/2023 REVISED PER DPW COMMENTS 1 02/03/2023 REVISED PER DPW COMMENTS	4	08/14/2023	REVISED PER TOWN COMMENTS
1 02/03/2023 REVISED PER DPW COMMENTS NO: DATE: DESCRIPTION:	1 02/03/2023 REVISED PER DPW COMMENTS NO: DATE: DESCRIPTION:	3	06/07/2023	REVISED PER DCDBCH COMMENTS
NO: DATE: DESCRIPTION:	NO: DATE: DESCRIPTION:	2	03/30/2023	REVISED PER DPW COMMENTS
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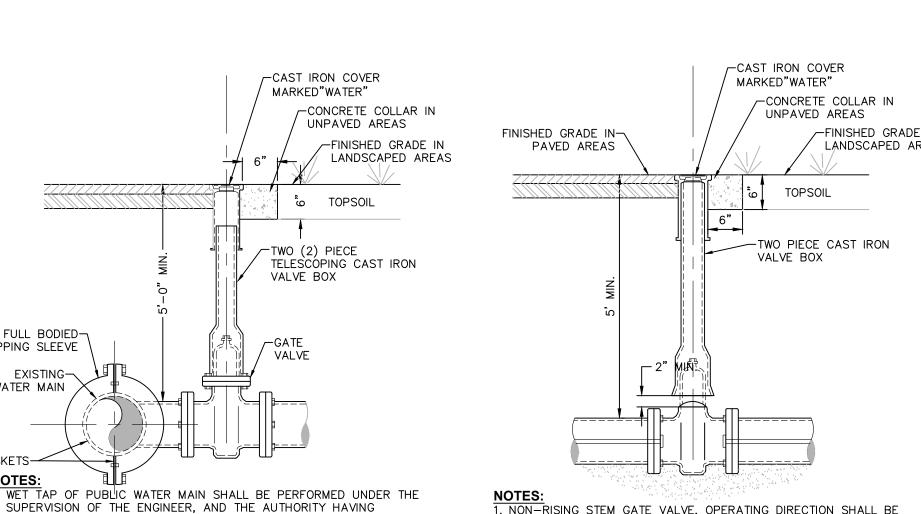
70608-02 DRAWN BY: REVIEWED BY

ISSUED FOR: PLANNING BOARD REVIEW

DATE: 05/09/22 DRAWING NAME:

WATER DETAILS

DRAWING NUMBER:



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

3. IF VALVE IS TO BE RODDED, PROVIDE VALVE WITH RODDING FLANGES OR EYEBOLTS. TWO (2) 3/4" GALVANIZED STEEL RODS WITH MALLEABLE 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.)

TYPICAL GATE VALVE DETAIL

COUNTERCLOCKWISE TO OPEN. 2. MINIMUM DISTANCE TO JOINTS, FITTINGS, OR OTHER WET TAPS OR STOPS

4. GATE VALVE & VALVE BOX SHALL BE IN ACCORDANCE WITH MUNICIPAL STANDARDS & AS MANUFACTURED BY (MUELLER, CLOW OR WATROUS) OR APPROVED EQUIVALENT.

SCALE: NOT TO SCALE

-STANDARD MJ ∽MJ ANCHORING TEE TYPE 3 TYPE 1 TYPE 2 CLOW F-1217, DEAD END OR APPROVED EQUALE REFLECTORIZED FIBERGLASS ---HYDRANT MARKER. 5' LENGTH MIN. WITH SPRING LOADED BRACKET. MARKER SHALL BE 3'-0" MIN RED/WHITE STRIPPED UNLESS OTHERWISE DIRECTED BY THE ENGINEER/OWNER 2-1/2" DIA. LOOP-THE END OF REBAR -CONCRETE COLLAR IN -FINISHED GRADE UNPAVED AREAS SWALE / DITCH LINE -CAST IRON COVER, MARKED "WATER", GRADE VARIES, SEE PLAN--FINISHED FLUSH W/ SURFACE (CONTRACTOR TO PROVIDE GRADE -FINISHED GRADE IN HYDRANT EXTENSION AS REQ'D) PAVED AREAS RISER LENGTH: AS REQUIRED-NOTE: EXACT RISER LENGTH TO SUIT FIELD CONDITIONS AND —VALVE BOX CONFORM WITH (TELESCOPIC MANUFACTURER'S PATTERN) RECOMMENDATIONS. LIMIT OF TRENCH-MAIN PROVIDE 1/2 CY 3/4"-BEDDING CRUSHED STONE DRAIN VALVE-ORIFICE 12" SQ SOLID PRECAST CONCRETE BEARING BLOCK MIN 4" THICK 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 WATER MAIN GASKETS-2. TAPPING SLEEVE AND VALVE SUPPORT SHALL BE COORDINATED WITH

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

MAINTAINFD 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.

> TAPPING SLEEVE AND VALVE DETAIL SCALE: NOT TO SCALE

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

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,

FULL BODIED-

EXISTING-

JURISDICTION.

STOPS SHALL BE 3 FEET

(TURNING LEFT).

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.

-FINISHED GRADE IN LANDSCAPED AREAS

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 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 % PASSING 100% NO. 40 0-70%

NO. 200

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.

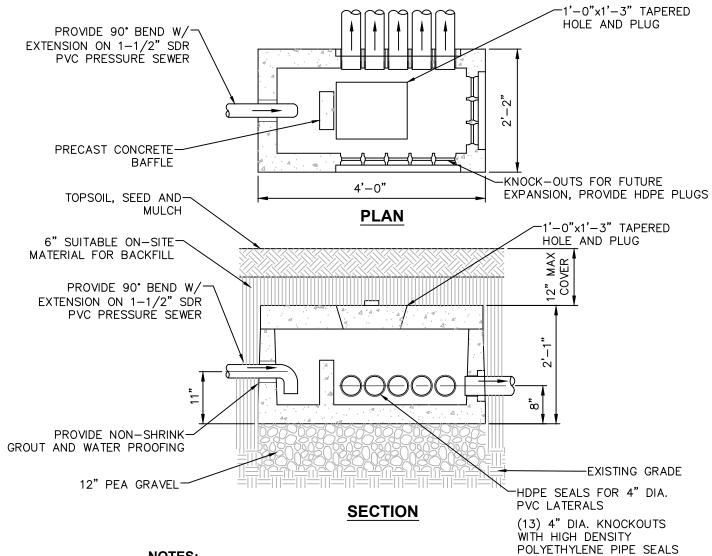
0-10%

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



. 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

FORCE MAIN TESTING:

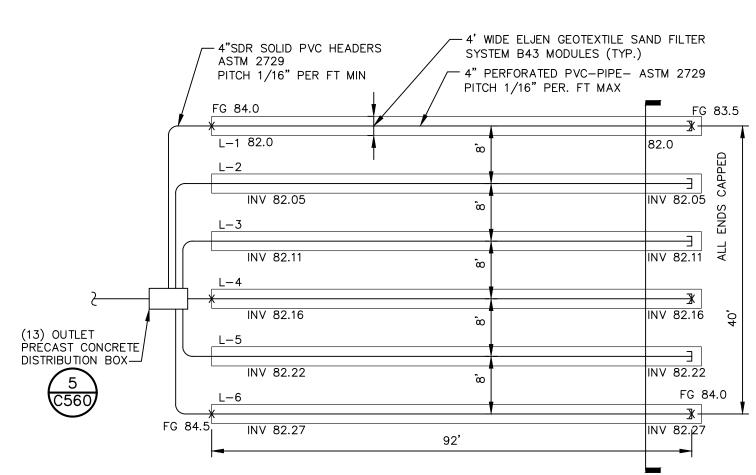
. THE COMPLETE SEWAGE FORCE MAIN INCLUDING VALVES, FITTINGS CONNECTIONS TO PUMPS AND OTHER PIPELINE SYSTEMS SHALL BE TESTED FOR LEAKAGE.

. 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

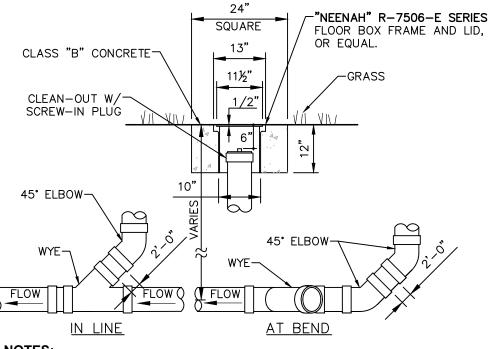
3. IF THE LEAKAGE IN THE SYSTEM EXCEEDS THE SPECIFIED AMOUNT, MAKE ANY REPAIRS OR REPLACEMENTS NECESSARY TO REDUCE THE LEAKAGE TO THE REQUIRED LIMITS AND RETEST THE SYSTEM.

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

AVG. TEST PRESSURE NOMINAL PIPE DIAMETER-IN. 400 0.27 0.54 0.81 0.51 0.26 0.76 0.24 0.23 0.47 0.70 0.45 0.67 0.22 0.21 0.64 0.43 0.61 0.57 0.54 0.41 0.19 0.38 0.36 0.33 0.18 0.17 0.50 0.30 0.27 0.45 0.15 0.14 0.41



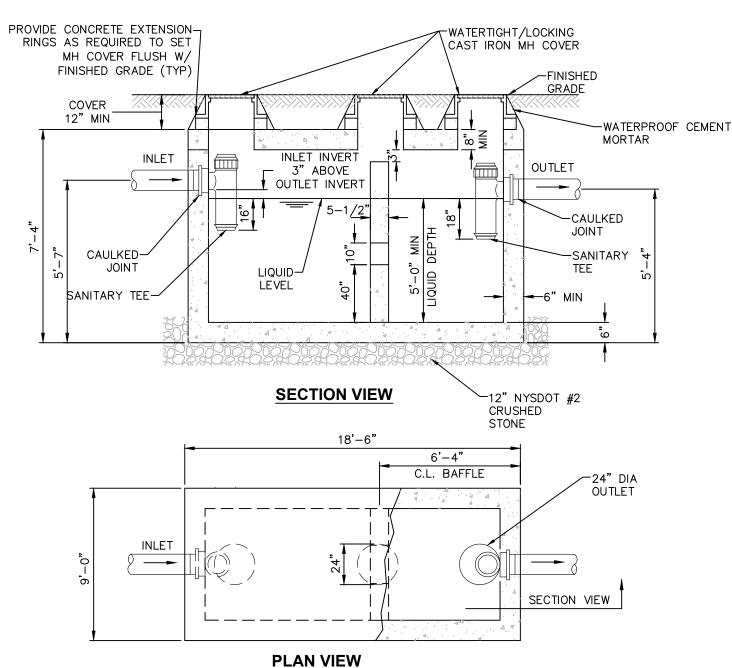
FOR LATERAL INVERTS, SEE TABLE. ABSORPTION TRENCH LAYOUT PLAN SCALE: NOT TO SCALE



. SEWER PIPE FITTINGS TO BE ASTM D-3033 OR D-3034 2. TO BE USED FOR GRAVITY PORTION OF SANITARY SYSTEM AS

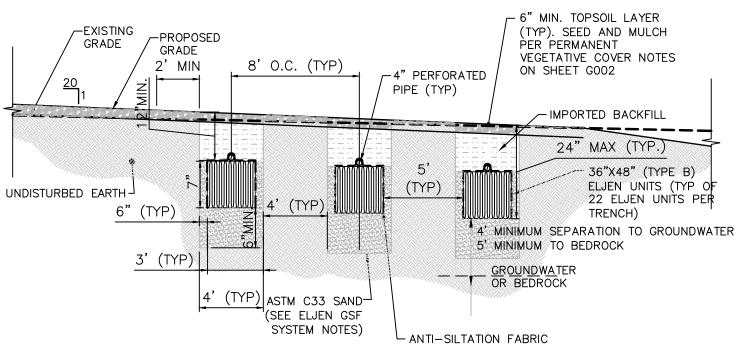
WELL AS THE STORM ROOF DRAINAGE SYSTEM.

CLEAN OUT - NON TRAFFIC AREAS SCALE: NOT TO SCALE



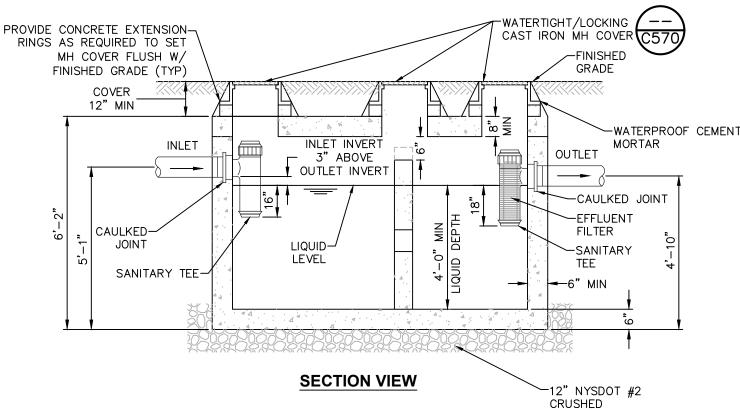
SEPTIC TANKS SHALL BE AS MANUFACTURED BY THE FORT MILLER CO. OR APPROVED EQUIVALENT. 2. DIMENSIONS SHOWN ARE PER STRUCTURES MANUFACTURED BY FORT MILLER CO.

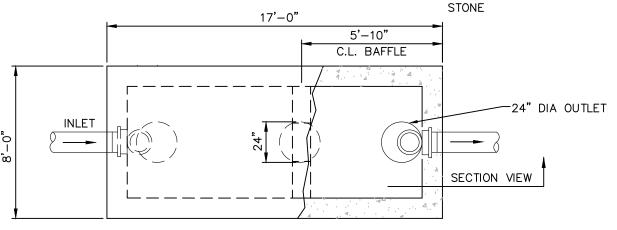
5000 GAL HEAVY DUTY CONCRETE SEPTIC TANK SCALE: NOT TO SCALE



. 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 34".

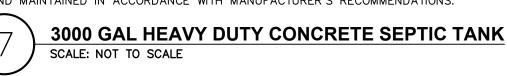
ELJEN GSF ABSORPTION FIELD TRENCH CROSS SECTION DETAIL SCALE: NOT TO SCALE

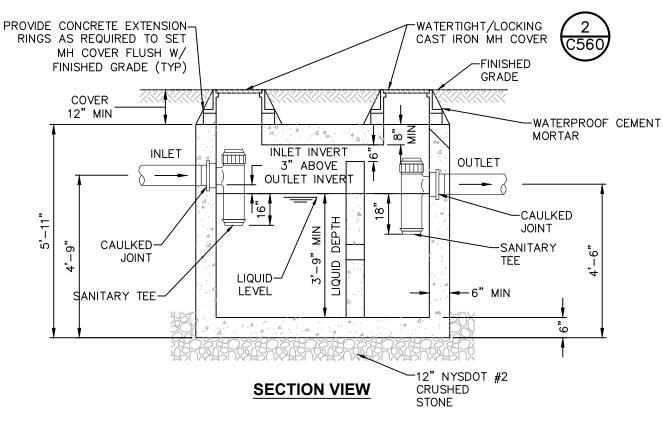


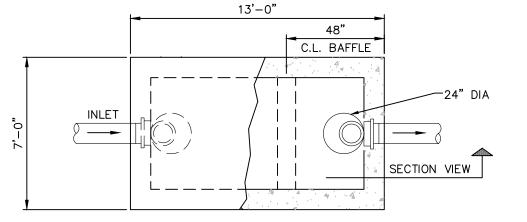


PLAN VIEW

SEPTIC TANKS SHALL BE AS MANUFACTURED BY THE FORT MILLER CO. OR APPROVED EQUIVALENT. . DIMENSIONS SHOWN ARE PER STRUCTURES MANUFACTURED BY FORT MILLER CO. 3. EFFLUENT FILTER (ORENCO BIOTUBE JUNIOR EFFLUENT FILTER (FTJ) OR APPROVED EQUAL) SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.







PLAN VIEW 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

I. 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 GEOTEXTILE SAND FILTER SYSTEM WITH B43 MODULES MINIMUM.

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

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.

 \sim 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)

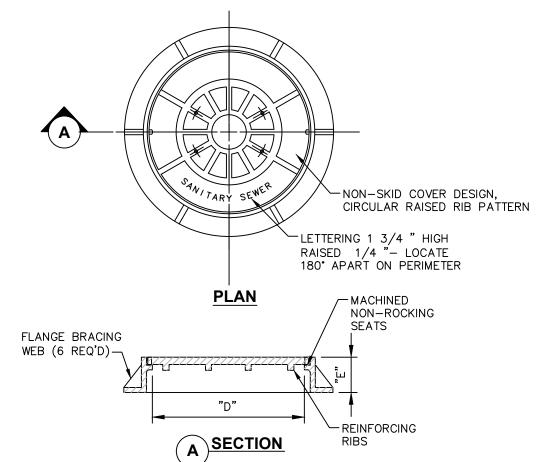
APPLICATION RATE = 1.2 GPD/SF (RATE DETERMINED FROM THE "DESIGN STANDARDS FOR WASTEWATER TREATMENT WORKS TABLE 10 (NYSDEC)) FOR PERCOLATION RATE OF 1-5 MINUTES PER INCH

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



ACCEPTABLE MANHOLE FRAMES & COVER

	PATTFRN		
MANUFACTURER	NUMBER	"D"	"E"
SYRACUSE CAST'G*	1009-8	24"	8"
* OR FOUIVALENT			

1. FRAME AND COVER SHALL BE DESIGNED FOR HS20-44 VEHICLE LOADING AND 25% IMPACT.

STANDARD CAST IRON MH COVER SCALE: NOT TO SCALE

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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

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:
evisions		

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

ISSUED FOR: PLANNING BOARD REVIEW DATE:

05/09/22 DRAWING NAME:

SANITARY SEWER DETAILS

PUMP CHAMBER DOSING DESIGN CALCULATIONS: DOSE VOLUME = $(FORCE MAIN VOLUME)^1 + (LATERAL VOLUME)*(75\%-85\%)$

DOSE VOLUME = $((PI*(1/12)^2)*0)+((PI*(2/12)^2)*(672)(75\%-85\%)$ =75%: 58.6 FT³ * 7.48 GALLONS/FT³ * 0.75 = 328.7 GAL =85%: 58.6 FT^3 * 7.48 GALLONS/FT^3 * 0.85 = 372.6 GAL

PUMP CHAMBER DOSE VOLUME= $(16*7*0.41) = 45.92 \text{ FT}^3$ $= 45.92 \text{ FT}^3 * 7.48 \text{ GALLONS/FT}^3 = 343.5 \text{ GAL}$

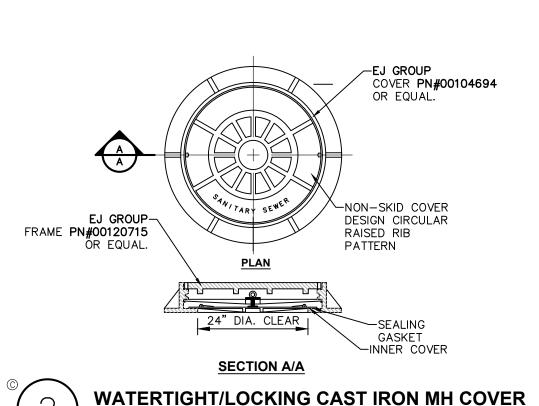
FROM SSDS. THEREFORE, DRAINBACK VOLUME IS NOT INCLUDED.

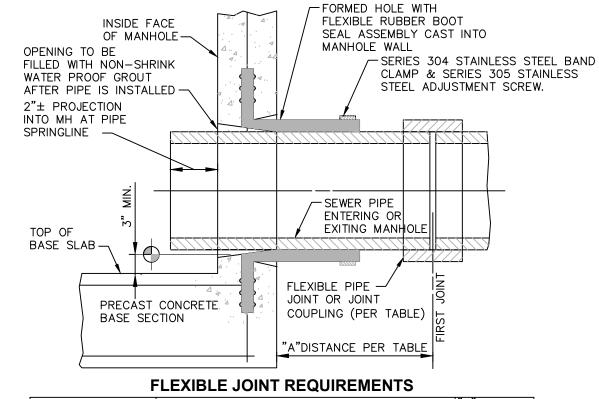
1. FORCE MAIN VOLUME NOT CONSIDERED WITH DOSING VOLUME CALCULATION BECAUSE THE PUMP STATION IS LOCATED UPGRADIENT

PUMP STATION ELEVATION TABLE

A B C D E F G H 100.00 | 96.00 | 95.08 | 94.67 | 94.17 | 93.17 | 103.00 | 97.83

SANITARY PUMP STATION DETAIL SCALE: NOT TO SCALE



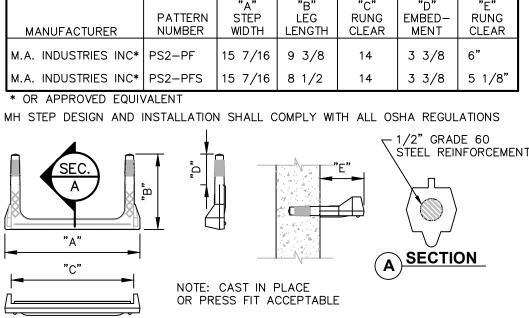


•		
SEWER PIPE TYPE	FLEXIBLE JOINT TYPE IN & OUT	"A"DISTANO (FEET)
DUCTILE IRON	STD RUBBER GASKET PIPE JOINT ONLY	10' MAX
PVC	STD RUBBER GASKET PIPE JOINT ONLY	3' MAX

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

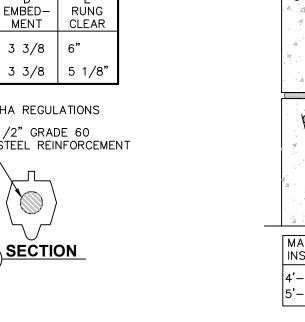


PIPE CONNECTION TO MANHOLE-FLEXIBLE RUBBER BOOT CAST INTO MANHOLE WALL SCALE: NOT TO SCALE

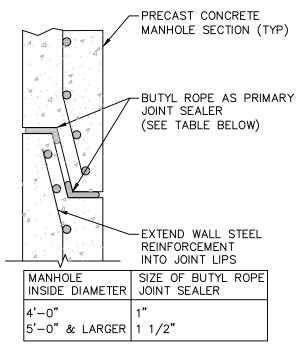


ACCEPTABLE MANHOLE STEPS

SCALE: NOT TO SCALE



COPOLYMER POLYPROPYLENE MH STEP SCALE: NOT TO SCALE



MANHOLE JOINT 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

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

FROZEN SOIL.

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 OPERATION.

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 . 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.

SERVICING, MAINTENANCE, AND SHUTDOWN OF EACH ITEM OF EQUIPMENT. 3. TESTING, ADJUSTING, AND BALANCING A. THE CONTRACTOR SHALL PROVIDE ALL TESTING, ADJUSTING, AND BALANCING OF SYSTEM

THE CONTRACTOR SHALL DEMONSTRATE START-UP, OPERATION, CONTROL, ADJUSTMENT, TROUBLE-SHOOTING,

B. THE CONTRACTOR SHALL CLEAN, FLUSH, PRESSURE LEAK TEST ALL THE PIPING AND EQUIPMENT ACCORDING TO

PUMP STATION NOTES

ACCEPTED STANDARDS.

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.

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.

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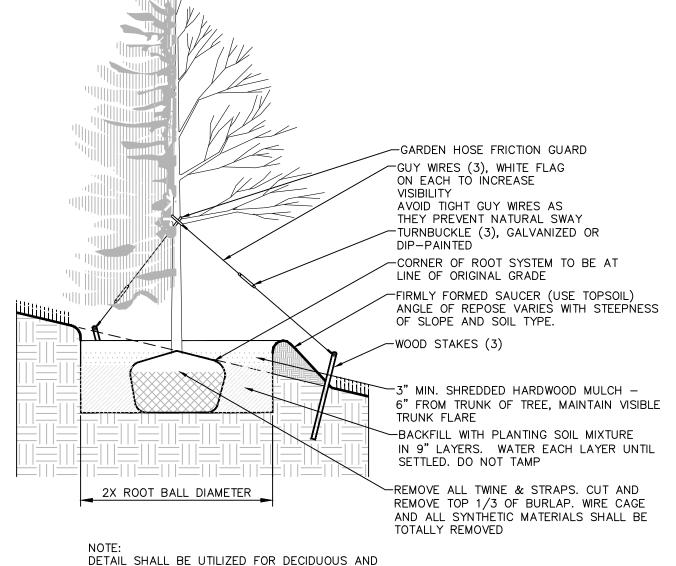
-BREAK SUBSOIL WITH A PICK

-GARDEN HOSE FRICTION GUARD -12 GAUGE GALVANIZED WIRE-THREE EQUALLY SPACED W/ SURVEYORS FLAGGING TAPE √3" DIAMETER X 8' CEDAR OR PRESSURE TREATED STAKE, TWO OPPOSITE. -SET TOP OF ROOT BALL FLUSH TO GRADE -GROUND LINE TO BE THE SAME AS AT THE NURSERY. REMOVE ALL TWINE & STRAPS. CUT AND REMOVE TOP 1/3 OF BURLAP. WIRE CAGE AND ALL SYNTHETIC MATERIALS SHALL BE TOTALLY REMOVED. " MIN. SHREDDED HARDWOOD MULCH -6" FROM TRUNK OF TREE, MAINTAIN VISIBLE TRUNK FLARE 2"x4"x2'-0" CEDAR OR PRESSURE-TREATED ANCHOR -CONSTRUCT EARTH SAUCER WITH 4" HIGH BERM-FLOOD WITH WATER TWICE IN FIRST 24 HRS. -BACKFILL WITH PLANTING SOIL MIXTURE IN 9" LAYERS. WATER EACH LAYER UNTIL SETTLED. DO NOT TAMP. 2X ROOT BALL DIA. -BREAK SUBSOIL WITH A PICK 1. SPRAY WITH ANTIDESICCANT IN ACCORDANCE WITH MFG.'S RECOMMENDATIONS. 2. TREES LESS THAN 3" CALIPER SHALL BE STAKED.

EVERGREEN PLANTING DETAIL

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

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



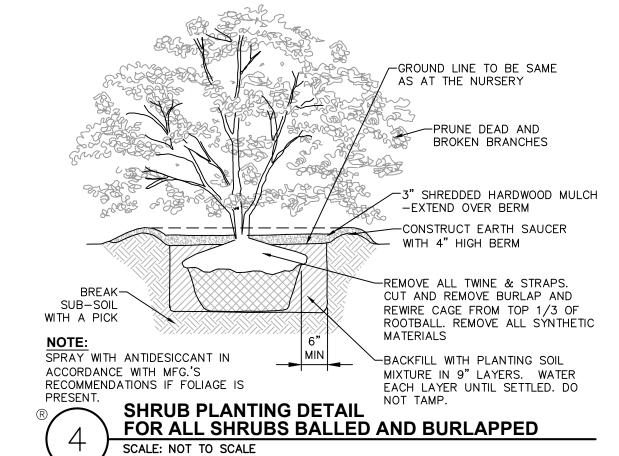
CONIFEROUS TREE PLANTING ON SLOPE. TREE PLANTING ON SLOPE SCALE: NOT TO SCALE

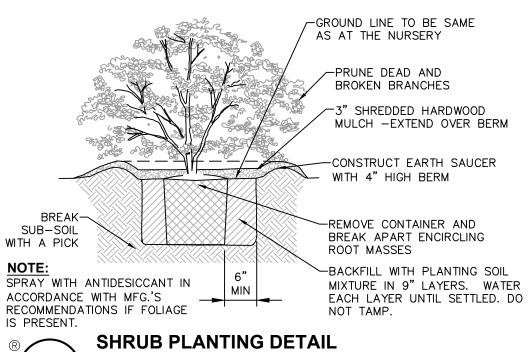
THE FIRST GROWING SEASON AFTER PLANTING

SCALE: NOT TO SCALE

PLANTING AND GUYING DETAILS-FOR TREES

SMALLER THAN 3" CALIPER, BALLED AND BURLAPPED





FOR CONTAINERIZED SHRUBS SCALE: NOT TO SCALE

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 SEEDING OUTSIDE PERMITTED SEEDING PERIODS.
- A. IMPORTED TOPSOIL: PROVIDE TOPSOIL CONFORMING TO THE
- 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.

20-60

iv. CONTAINING THE FOLLOWING WASHED GRADATIONS:

SIEVE DESIGNATION % PASSING 97-100

NO 200

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 95% 80% KENTUCKY BLUE GRASS* PERENNIAL RYE 98% 90% CREEPING RED FESCUE 97% *MINIMUM 2 (EQUAL PROPORTIONS) VARIETIES AS LISTED IN

CORNELL RECOMMENDATIONS FOR TURFGRASS. <u>SHADE:</u> AMOUNT BY: MINIMUM % SPECIES OR VARIETY <u>GERMINATION</u> KENTUCKY BLUE GRASS** PERENNIAL RYE 20% 98% 90% CREEPING RED FESCUE 97% CHEWINGS RED FESCUE 97% 85% **SHADE TOLERANT VARIETY

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

AMOUNT BY: MINIMUM % PURITY GERMINATION 98% 90% SPECIES OR VARIETY 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
- 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

SPECIFIED IN (8.D.i) ABOVE.

1 PART BONE MEAL

SAWDUST.

- 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.
- <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
- 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 LBS PER 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

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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

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:			
Revisions			
PROJECT	NUMBER:	70608-02	
		10000-02	

DRAWN BY: KGA REVIEWED BY:

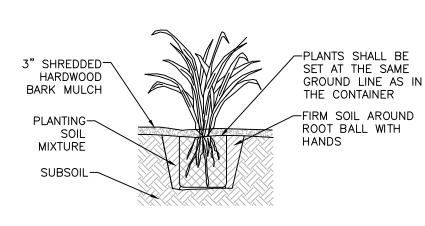
ISSUED FOR: PLANNING BOARD REVIEW DATE:

DRAWING NAME:

LANDSCAPE DETAILS

05/09/22

DRAWING NUMBER:



SECTIONAL ELEVATION

1. SPADED PLANTING SOIL MIX (4"-6" DEPTH), ADD FERTILIZER WHEN MIXING. DO NOT COMPACT AFTER 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

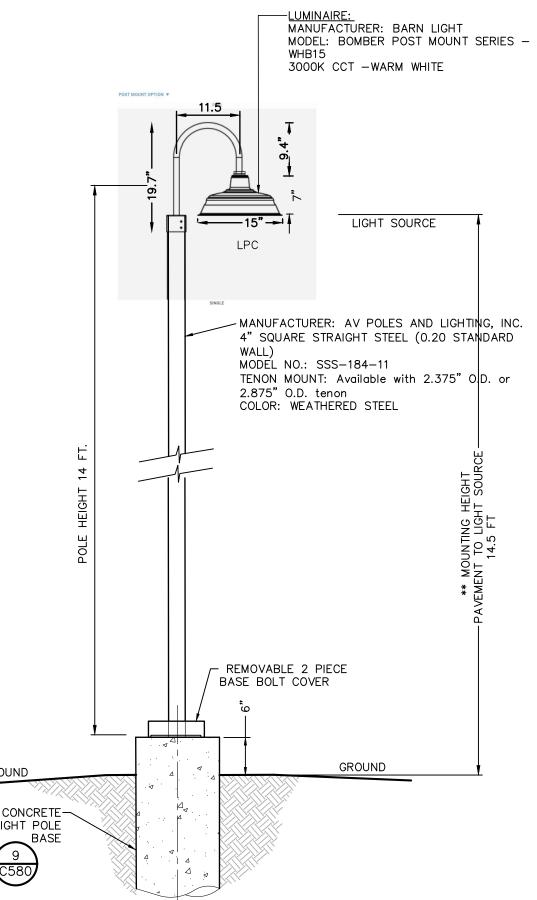
GROUND COVERS SHOULD BE POT OR CONTAINER GROWN.

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.

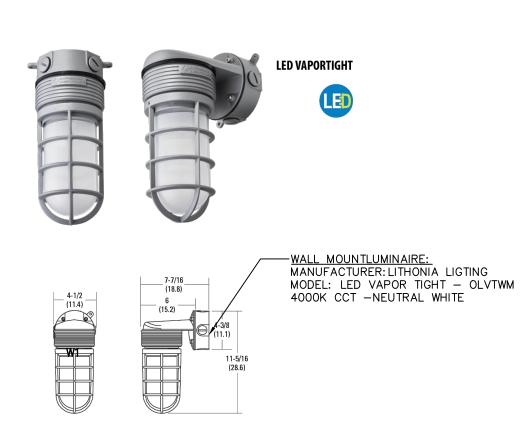




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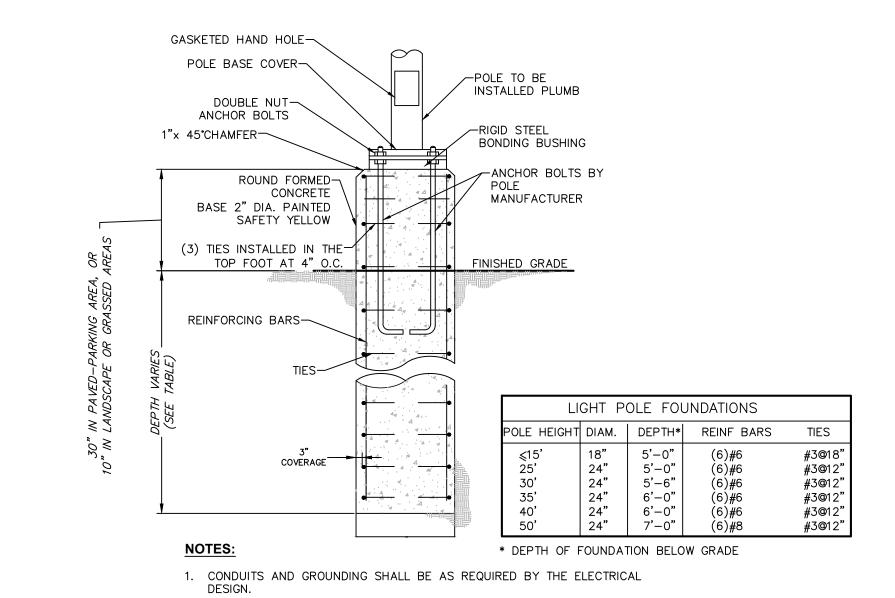






CATALOG NO.	WATTS	LUMENS	COLOR TEMP	TOTAL LED	
STG-2412-27K	1W per bulb	75LM per \$14 bulb	2700K	12	





2. ALL CONCRETE SHALL BE 4,500 PSI @ 28 DAYS.

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

5. FOUNDATION DIAMETER AND REINFORCING CIRCLE SHALL BE COORDINATED WITH

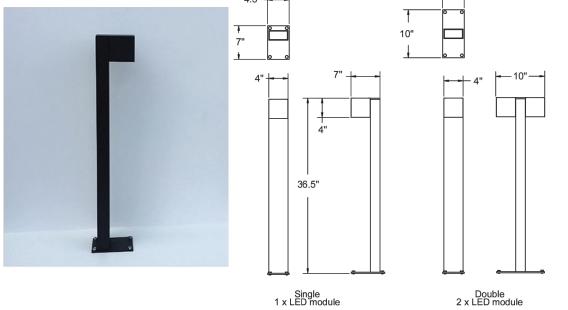
. FOUNDATIONS SHALL BE AUGGERED INTO UNDISTURBED NATURAL SOIL OR COMPACTED FILL PER SITE GRADING PLANS.

CONCRETE BASE FOR LIGHT POLE

3. ALL REINFORCING STEEL SHALL BE GRADE 60.

ANCHOR BOLT LIMITS.

REBELLE



Tessera 3151LED Bollard

EXTERIOR

LUMINAIRE:

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

4 PATHWAY LIGHTING - BOLLARD DETAIL
5 SCALE: N.T.S.



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