Civil Site Notes

General

1. CONTRACTOR SHALLL NOTIFY "DIG-SAFE" (1-888-344-7833) AT LEAST 72 HOURS BEFORE EXCAVATING.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SECURITY AND JOB SAFETY. CONSTRUCTION ACTIVITIES SHALL BE IN ACCORDANCE WITH OSHA STANDARDS AND LOCAL REQUIREMENTS.
3. ACCESSIBLE ROUTES, PARKING SPACES, RAMPS, SIDEWALKS, AND WALKWAYS SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE FEDERAL AMERICANS WITH DISABILITIES ACT AND WITH STATE AND LOCAL LAWS AND REGULATIONS (WHICH ARE MOST STRINGENT).
4. AREAS DISTURBED DURING CONSTRUCTION AND NOT RESTORED WITH IMPERVIOUS SURFACES (BUILDINGS, PAVEMENTS, WALKS, ETC.) SHALL RECIEVE 6 INCHES LOAM AND SEED.
5. WORK WITHIN THE LOCAL RIGHTS-OF-WAY SHALL CONFORM TO LOCAL MUNICIPAL STANDARDS. WORK WITHIN THE COUNTY RIGHTS-OF-WAY SHALL CONFORM TO COUNTY STANDARDS. WORK WITHIN STATE RIGHTS-OF-WAY SHALL CONFORM TO THE LATEST EDITION OF THE STATE HIGHWAY DEPARTMENTS STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES.
6. UPON AWARD OF CONTRACT, CONTRACTOR SHALL MAKE NECESSARY CONSTRUCTION NOTIFICATIONS AND APPLY FOR AND OBTAIN NECESSARY PERMITS, PAY FEES, AND POST BONDS ASSOCIATED WITH THE WORK INDICATED ON THE DRAWINGS, IN THE SPECIFICATIONS, AND IN THE CONTRACT DOCUMENTS. DO NOT CLOSE OR OBSTRUCT ROADWAYS, SIDEWALKS, AND FIRE HYDRANTS, WITHOUT APPROPRIATE PERMITS.
7. TRAFFIC SIGNAGE AND PAVEMENT MARKINGS SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
8. AREAS OUTSIDE THE LIMITS OF PROPOSED WORK DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY THE CONTRACTOR TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.
9. IN THE EVENT THAT THE SUSPECTED CONTAMINATED SOIL, GROUNDWATER, AND OTHER MEDIA ARE ENCOUNTERED DURING EXCAVATION AND CONSTRUCTION ACTIVITIES BASED ON VISUAL, OLFACTORY, OR OTHER EVIDENCE, THE CONTRACTOR SHALL STOP WORK IN THE VICINITY OF THE SUSPECT MATERIAL TO AVOID FURTHER SPREADING OF THE MATERIAL, AND SHALL NOTIFY THE OWNER IMMEDIATELY SO THAT THE APPROPRIATE TESTING AND SUBSEQUENT ACTION CAN BE TAKEN.
10. CONTRACTOR SHALL PREVENT DUST, SEDIMENT, AND DEBRIS FROM EXITING THE SITE AND SHALL BE RESPONSIBLE FOR CLEANUP, REPAIRS, AND CORRECTIVE ACTION IF SUCH OCCURS.
11. CONTRACTOR SHALL CONTROL STORMWATER RUNOFF DURING CONSTRUCTION TO PREVENT ADVERSE IMPACTS TO OFF-SITE AREAS, AND SHALL BE RESPONSIBLE TO REPAIR RESULTING DAMAGES, IF ANY, AT NO COST TO OWNER.

Civil Site Notes

Grading and Drainage Notes

1. ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF THE VILLAGE OF WESTHAMPTON BEACH, SUFFOLK COUNTY HEALTH DEPARTMENT, SUFFOLK COUNTY DEPARTMENT OF PUBLIC WORKS AND THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION, AS APPLICABALE.
2. UTLITY INFORMATION SHOWN ON THIS PLAN IS BASED ON VISIBLE FIELD EVIDENCE AND AVAILABLE RECORDS. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO COMMENCING WORK. CARE SHOULD BE TAKEN NOT TO DISTURB EXISTING UTILITIES AND SERVICE CONNECTIONS (OR PORTIONS THEREOF) TO REMAIN. THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL OF ABANDONED UTILITY SERVICE CONNECTIONS AND INSTALLATION OF NEW SERVICE CONNECTIONS AND SHALL COORDINATE WORK WITH THE APPROPRIATE UTILITY COMPANY.
3. REMOVAL OF EXISTING STRUCTURES, INCLUDING BUILDINGS, DRAINAGE SYSTEMS AND OTHER STRUCTURES, IS TO BE DONE IN CONFORMANCE WITH THE REGULATIONS OF THE VILLAGE OF WESTHAMPTON BEACH AND APPLICABLE COUNTY, STATE AND FEDERAL AGENCIES. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS FOR DEMOLITION AND DISPOSAL OF EXISTING STRUCTURES AND MATERIALS.
4. ALL STRUCTURES TO BE REMOVED (FOUNDATIONS, CONCTRETE SLABS, DRAINAGE STRUCTURES, ETC.) SHALL BE REPLACED WITH CLEAN, GRANULAR MATERIAL, COMPACTED TO 95% STANDARD PROCTOR DENSITY.
5. ALL PAVEMENT TO BE REMOVED OR REPLACED SHALL BE SAWCUT.
6. THE CONTRACTOR SHALL EMPLOY APPROPRIATE MAINTENANCE AND PROTECTION OF TRAFFIC MEASURES DURING CONSTRUCTION AS APPLICABLE. MEASURES UTILIZED DURING WORK SHALL BE IN ACCORDANCE WITH THE N.Y.S. MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
7. EXCEPT WHERE OTHERWISE NOTED, WHERE NEW CONCRETE CURBING AND CURBED ISLANDS ARE PROPOSED, THE BOTTOM OF CURB ELEVATION SHALL BE CALCULATED USING THE EXISTING PAVEMENT ELEVATION. THE TOP OF CURB SHALL BE CALCULATED 6" ABOVE THE EXISTING PAVEMENT ELEVATION. PAVEMENT AROUND THE PERIMETER OF EACH ISLAND SHALL BE GRADED SO THAT WATER IS NOT TRAPPED AGAINST OR NEAR THE CURB, AND WILL FLOW FREELY TOWARDS THE NEAREST EXISTING OR PROPOSED DOWNSTREAM INLET. EXISTING PAVEMENT SHALL BE SAWCUT AT THE LOCATION OF THE PROPOSED CURB. BACKFILL AROUND THE THE COMPLETED ISLAND SHALL BE CLEAN, GRANULAR FILL COMPACTED TO 95% STANDARD PROCTOR DENSITY. NEW ASPHALT SHALL PROVIDED A SMOOTH TRANSITION TO EXISTING PAVEMENT TO REMAIN. ALL SAWCUT LINES SHALL BE SEALED WHERE NEW PAVEMETN MEETS EXISTING PAVEMENT TO REMAIN.
8. ALL EXISTING CATCH BASINS AND DRYWELLS SHALL BE CLEANED OF SILT AND DEBRIS AT THE COMPLETION OF CONSTRUCTION.
9. THE CONTRACTOR SHALL NOTIFY APPROPRIATE UTILITIES 48 HOURS BEFORE EXCAVATION, CUTTING, REMOVING, OR TAPPING INTO ANY EXISTING UTILITY SERVICE. THE VILLAGE OF WESTHAMPTON BEACH SHALL BE NOTIFIED 48 HOURS BEFORE ANY SITE WORK IS BEGUN.
10. PRIVATE UTILITY POLES TO BE RELOCATED SHALL BE DONE WITH COORDINATION WITH THE APPROPRIATE ELECTRIC AND TELECOMMUNICATION COMPANIES. GAS AND ELECTRIC SERVICE CONNECTIONS AND/OR SERVICE ABANDONMENTS SHALL BE COORDINATED WITH LIPA / NATIONAL GRID. WHERE FEASIBLE, PROPOSED ELECTRICAL WIRING SHALL BE UNDERGROUND.
11. IF REQUIRED, ALL CONNECTING DRAINAGE PIPING SHALL BE 15" RCP UNLESS OTHERWISE SHOWN ON THE PLAN.
12. DEBRIS SHALL NOT BE BURIED ON THE SUBJECT SITE. ALL UNSUITABLE MATERIAL AND DEBRIS SHALL BE DISPOSED OF IN ACCORDANCE WITH LOCAL TOWN, COUNTY, STATE AND FEDERAL LAWS AND APPLICABLE CODES.
13. ALL SANITARY SEWER PIPING SHALL BE DR-18 PVC OR EQUAL UNLESS OTHERWISE NOTED ON THE PLAN. WHERE SEWER PIPE COVER IS LESS THAN 4'-0", DUCTILE IRON PIPE IS REQUIRED.
14. REFER TO LIPA STANDARD SHEETS FOR PROTECTIVE BOLLARD SIZES, REQUIRED SETBACKS AND OTHER DIMENSIONS AT TRANSFORMER AND GENERATOR PADS.
15. WATER MAIN TAPS, INCLUDING TAPPING PERMITS AND FEES, METER REQUIREMENTS, ETC., SHALL BE COORDINATED WITH THE SUFFOLK COUNTY WATER AUTHORITY.
16. EXISTING WATER, SEWER AND OTHER CASTINGS DISTURBED DURING WORK SHALL BE ADJUSTED TO GRADE AS REQUIRED.
17. ALL PROPOSED DRYWELLS SHALL BE PRECAST, WITH PRECAST OPENINGS FOR DRAINAGE PIPE AND SHALL CONFORM TO VILLAGE OF WESTHAMPTON BEACH STANDARDS.

Civil Site Notes

Erosion Control

1. PRIOR TO STARTING ANY OTHER WORK ON THE SITE, THE CONTRACTOR SHALL NOTIFY APPROPRIATE AGENCIES AND SHALL INSTALL EROSION CONTROL MEASURES AS SHOWN ON THE PLANS AND AS IDENTIFIED IN FEDERAL, STATE, AND LOCAL APPROVAL DOCUMENTS PERTAINING TO THIS PROJECT.
2. CONTRACTOR SHALL INSPECT AND MAINTAIN EROSION CONTROL MEASURES, AND REMOVE SEDIMENT THEREFROM ON A WEEKLY BASIS AND WITHIN TWELVE HOURS AFTER EACH STORM EVENT AND DISPOSE OF SEDIMENTS IN AN UPLAND AREA SUCH THAT THEY DO NOT ENCUMBER OTHER DRAINAGE STRUCTURES AND PROTECTED AREAS.
3. CONTRACTOR SHLL BE FULLY RESPONSIBLE TO CONTROL CONSTRUCTION SUCH THAT SEDIMENTATION SHALL NOT AFFECT REGULATORY PROTECTED AREAS, WHETHER SUCH SEDIMENTATION IS CAUSED BY WATER, WIND, OR DIRECT DEPOSIT.
4. CONTRACTOR SHALL PERFORM CONSTRUCTION SEQUENCING SUCH THAT EARTH MATERIALS ARE EXPOSED FOR A MINIMUM OF TIME BEFORE THEY ARE COVERED, SEEDED, OR OTHERWISE STABILIZED TO PREVENT EROSION.
5. UPON COMPLETION OF CONSTRUCTION AND ESTABLISHMENT OF PERMANENT GROUND COVER, CONTRACTOR SHALL REMOVE AND DISPOSE OF EROSION CONTROL MEASURES AND CLEAN SEDIMENT AND DEBRIS FROM ENTIRE DRAINAGE AND SEWER SYSTEMS.

Civil Site Notes

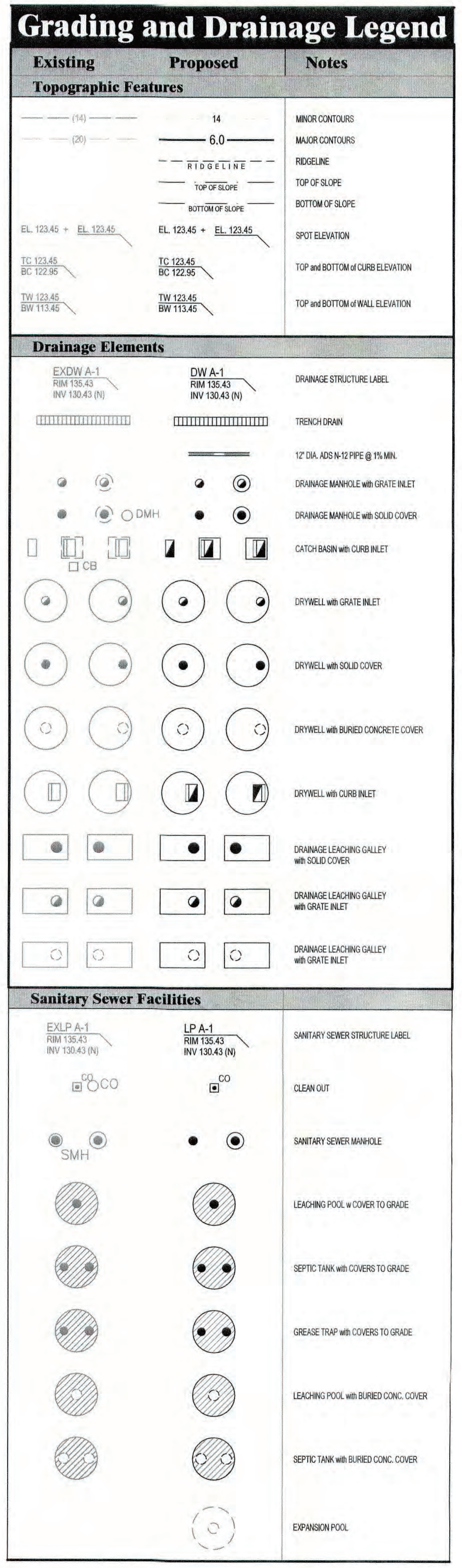
Utilities

1. THE LOCATIONS, SIZES, AND TYPES OF EXISTING UTILITES ARE SHOWN AS AN APPROXIMATE REPRESENTATION ONLY. THE OWNER OR IT'S REPRESENTATIVE(S) HAVE NOT INDEPENDENTLY VERIFIED THIS INFORMATION AS SHOWN ON THE PLANS. THE UTILITY INFORMATION SHOWN DOES NOT GUARANTEE THE ACTUAL EXISTENCE, SERVICEABILITY, OR OTHER DATA CONCERNING THE UTILITES, NOR DOES IT GUARANTEE AGAINST THE POSSIBILITY THAT ADDITIONAL UTILITIES MAY BE PRESENT THAT ARE NOT SHOWN ON THE PLANS. PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL VERIFY AND DETERMINE THE EXACT LOCATIONS, SIZES, AND ELEVATIONS OF THE POINTS OF CONNECTIONS TO EXISITING UTILITIES AND SHALL CONFIRM THAT THERE ARE NO INTERFERENCES WITH EXISTING UTILITIES AND THE PROPOSED UTILITY ROUTES, INCLUDING ROUTES WITHIN THE PUBLIC RIGHTS OF WAY.
2. WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, OR EXISTING CONDITIONS DIFFER FROM THOSE SHOWN SUCH THAT THE WORK CANNOT BE COMPLETED AS INTENDED, THE LOCATION, ELEVATION, AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR, AND THE INFORMATION FURNISHED IN WRITING TO THE OWNER'S REPRESENTATIVE FOR THE RESOLUTION OF THE CONFLICT AND CONTRACTOR'S FAILURE TO NOTIFY PRIOR TO PERFORMING ADDITIONAL WORK RELEASES OWNER FROM OBLIGATIONS FOR ADDITIONAL PAYMENTS WHICH OTHERWISE MAY BE WARRANTED TO RESOLVE THE CONFLICT.
3. SET CATCH BASIN RIMS, AND INVERTS OF SEWERS, DRAINS, AND DITCHES IN ACCORDANCE WITH ELEVATIONS ON THE GRADING AND UTILITY PLANS.
4. RIM ELEVATIONS FOR DRAIN AND SEWER MANHOLES, WATER VALVE COVERS, GAS GATES, ELECTRIC AND TELEPHONE PULL BOXES, AND MANHOLES, AND OTHER SUCH ITEMS ARE APPROXIMATE AND SHALL BE SET/RESET AS FOLLOWS:
   - A. PAVEMENT AND CONCRETE SURFACES: FLUSH
   - B. ALL SURFACES ALONG ACCESSIBLE ROUTES: FLUSH
   - C. LANDSCAPE, LOAM AND SEED, AND OTHER EARTH SURFACE AREAS: ONE INCH ABOVE SURROUNDING AREA AND TAPER EARTH TO RIM ELEVATION.
5. THE LOCATION, SIZE, DEPTH, AND SPECIFICATIONS FOR CONSTRUCTION OF PROPOSED PRIVATE UTILITY SERVICES SHALL BE INSTALLED ACCORDING TO THE REQUIREMENTS PROVIDED BY, AND APPROVED BY, THE RESPECTIVE UTILITY COMPANY (GAS, TELEPHONE, ELECTRIC, FIRE ALARM, ETC.). FINAL DESIGN LOADS AND LOCATIONS TO BE COORDINATED WITH THE OWNER AND ARCHITECT.
6. CONTRACTOR SHALL MAKE ARRANGEMENTS FOR AND SHALL BE RESPONSIBLE FOR PAYING FEES FOR POLE RELOCATION AND FOR THE ALTERATION AND ADJUSTMENT OF GAS, ELECTRIC, TELEPHONE, FIRE ALARM, AND ANY OTHER PRIVATE UTILITIES, WHETHER WORK IS PERFORMED BY CONTRACTOR OR BY THE UTILITIES COMPANY.
7. UTILITY PIPE MATERIALS SHALL BE AS FOLLOWS, UNLESS OTHERWISE NOTED ON THE PLAN:
   - A. WATER PIPES SHALL BE CEMENT LINE DUCTILE IRON PIPE (CLDI)
   - B. SANITARY SEWER PIPES SHALL BE POLYVINYL CHLORIDE (PVC)
   - C. STORM DRAINAGE PIPES SHALL BE REINFORCED CONCRETE PIPE (RCP)
8. CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR AND SHALL FURNISH EXCAVATION, INSTALLATION, AND BACKFILL OF ELECTRICAL FURNISHED SITEWORK RELATED ITEMS SUCH AS PULL BOXES, CONDUITS, DUCT BANKS, LIGHT POLE BASES, AND CONCRETE PADS. SITE CONTRACTOR SHALL FURNISH CONCRETE ENCASEMENT OF DUCT BANKS IF REQUIRED BY THE UTILITY COMPANY AND AS INDICATED ON THE DRAWINGS.
9. CONTRACTOR SHALL EXCAVATE AND BACKFILL TRENCHES FOR GAS IN ACCORDANCE WITH GAS COMPANY'S REQUIREMENTS.
10. ALL DRAINAGE AND SANITARY STRUCTURE INTERIOR DIAMETERS (4' MIN.) SHALL BE DETERMINED BY THE MANUFACTURER BASED ON THE PIPE CONFIGURATIONS SHOWN ON THESE PLANS AND LOCAL MUNICIPAL STANDARDS. FOR MANHOLES THAT ARE 20 FEET IN DEPTH AND GREATER, THE MINIMUM DIAMETER SHALL BE 5 FEET.

Utility Information

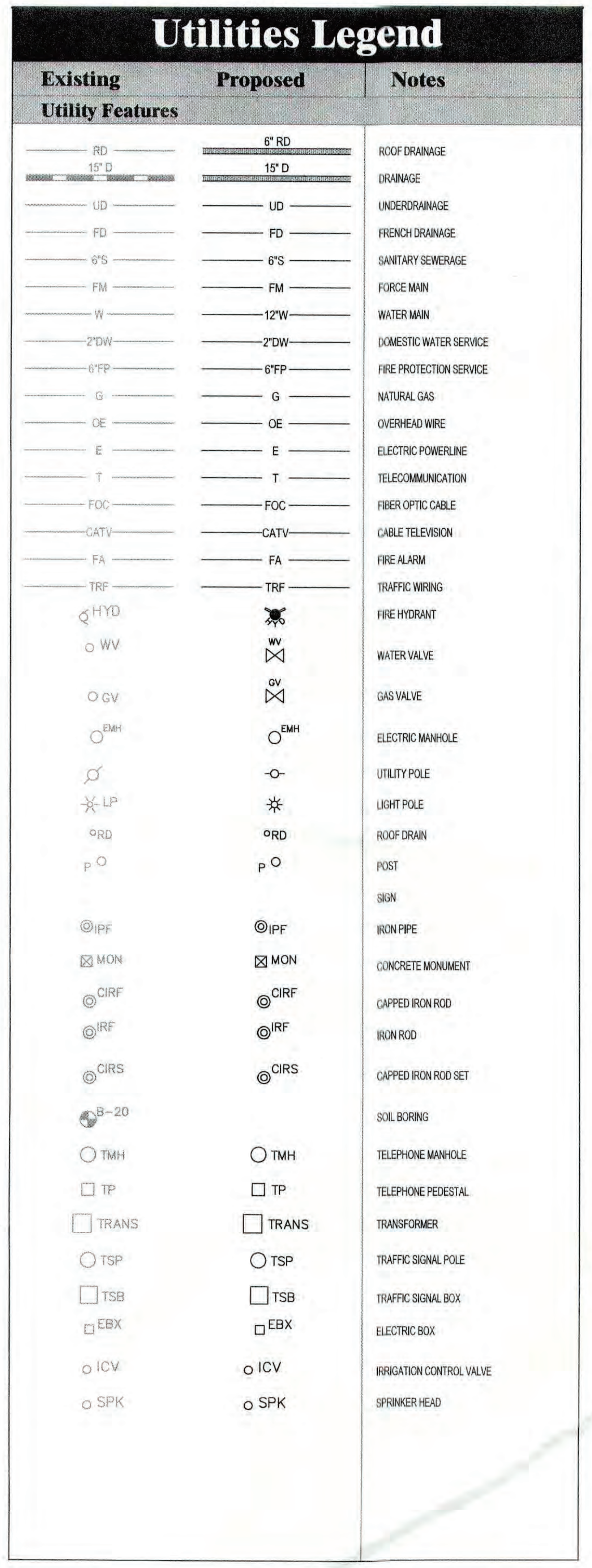
SERVICE	OPERATING AUTHORITY
ELECTRIC	PSE & G
WATER	SUFFOLK COUNTY WATER AUTHORITY
TELEPHONE	VERIZON
SANITARY	SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES
GAS	NATIONAL GRID

Grading and Drainage Legend



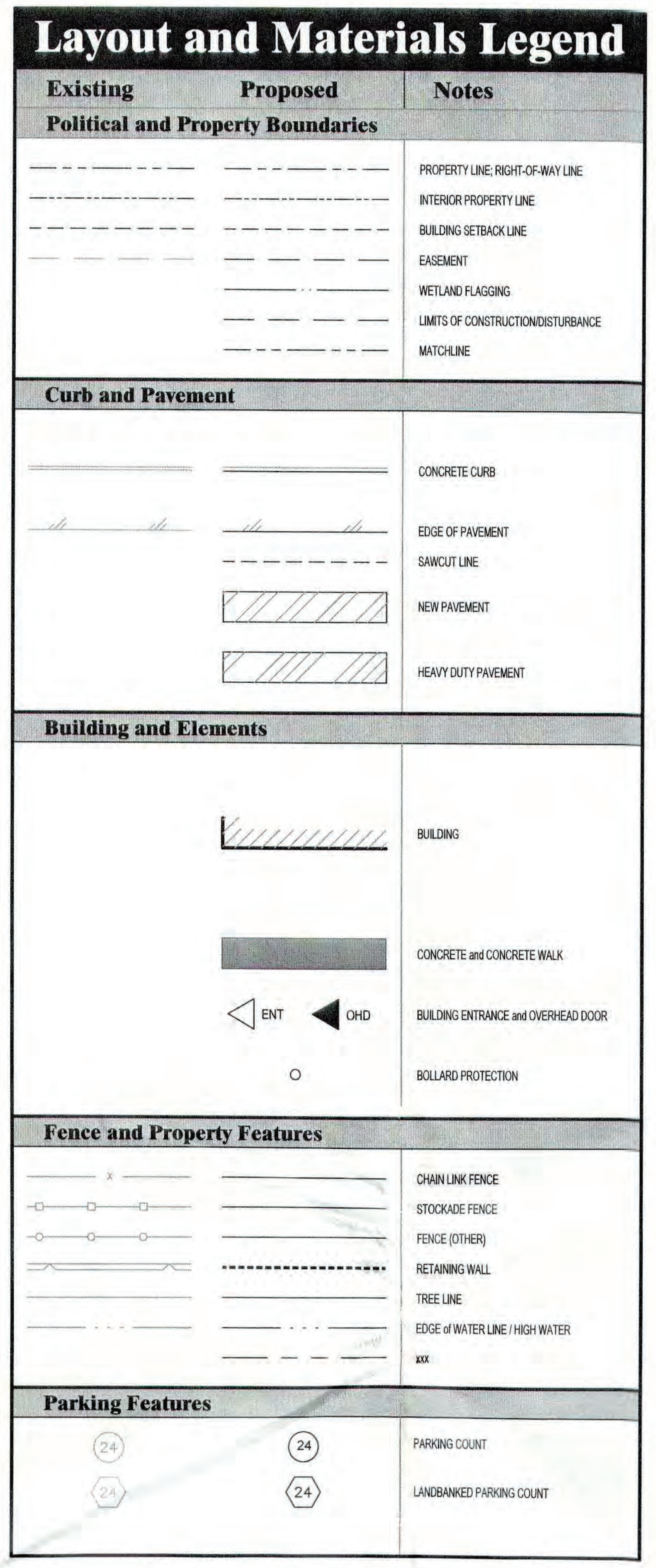
Existing	Proposed	Notes
Topographic Features		
(14)	14	MINOR CONTOURS
(20)	6.0	MAJOR CONTOURS
	RIDGELINE	RIDGELINE
	TOP OF SLOPE	TOP OF SLOPE
	BOTTOM OF SLOPE	BOTTOM OF SLOPE
EL. 123.45 + EL. 123.45	EL. 123.45 + EL. 123.45	SPOT ELEVATION
TC 123.45 BC 122.95	TC 123.45 BC 122.95	TOP and BOTTOM of CURB ELEVATION
TW 123.45 BW 113.45	TW 123.45 BW 113.45	TOP and BOTTOM of WALL ELEVATION
Drainage Elements		
EXDW A-1 RIM 135.43 INV 130.43 (N)	DW A-1 RIM 135.43 INV 130.43 (N)	DRAINAGE STRUCTURE LABEL
		TRENCH DRAIN
		12" DIA. ADS N-12 PIPE @ 1% MIN.
		DRAINAGE MANHOLE with GRATE INLET
● ◉ ○ DMH	● ◉	DRAINAGE MANHOLE with SOLID COVER
□ CB		CATCH BASIN with CURB INLET
		DRYWELL with GRATE INLET
		DRYWELL with SOLID COVER
		DRYWELL with BURIED CONCRETE COVER
		DRYWELL with CURB INLET
		DRAINAGE LEACHING GALLEY with SOLID COVER
		DRAINAGE LEACHING GALLEY with GRATE INLET
		DRAINAGE LEACHING GALLEY with GRATE INLET
Sanitary Sewer Facilities		
EXLP A-1 RIM 135.43 INV 130.43 (N)	LP A-1 RIM 135.43 INV 130.43 (N)	SANITARY SEWER STRUCTURE LABEL
CO ○CO	CO	CLEAN OUT
SMH	● ◉	SANITARY SEWER MANHOLE
		LEACHING POOL w COVER TO GRADE
		SEPTIC TANK with COVERS TO GRADE
		GREASE TRAP with COVERS TO GRADE
		LEACHING POOL with BURIED CONC. COVER
		SEPTIC TANK with BURIED CONC. COVER
		EXPANSION POOL

Utilities Legend



Existing	Proposed	Notes
Utility Features		
RD	6" RD	ROOF DRAINAGE
15" D	15" D	DRAINAGE
UD	UD	UNDERDRAINAGE
FD	FD	FRENCH DRAINAGE
6"S	6"S	SANITARY SEWERAGE
FM	FM	FORCE MAIN
W	12"W	WATER MAIN
2"DW	2"DW	DOMESTIC WATER SERVICE
6"FP	6"FP	FIRE PROTECTION SERVICE
G	G	NATURAL GAS
OE	OE	OVERHEAD WIRE
E	E	ELECTRIC POWERLINE
T	T	TELECOMMUNICATION
FOC	FOC	FIBER OPTIC CABLE
CATV	CATV	CABLE TELEVISION
FA	FA	FIRE ALARM
TRF	TRF	TRAFFIC WIRING
HYD	HYD	FIRE HYDRANT
○ WV	WV ⋈	WATER VALVE
○ GV	GV ⋈	GAS VALVE
○ EMH	○ EMH	ELECTRIC MANHOLE
	-○-	UTILITY POLE
LP		LIGHT POLE
○RD	○RD	ROOF DRAIN
P ○	P ○	POST
		SIGN
◎IPF	◎IPF	IRON PIPE
☒ MON	☒ MON	CONCRETE MONUMENT
◎CIRF	◎CIRF	CAPPED IRON ROD
◎IRF	◎IRF	IRON ROD
◎CIRS	◎CIRS	CAPPED IRON ROD SET
B-20		SOIL BORING
○ TMH	○ TMH	TELEPHONE MANHOLE
□ TP	□ TP	TELEPHONE PEDESTAL
□ TRANS	□ TRANS	TRANSFORMER
○ TSP	○ TSP	TRAFFIC SIGNAL POLE
□ TSB	□ TSB	TRAFFIC SIGNAL BOX
□ EBX	□ EBX	ELECTRIC BOX
○ ICV	○ ICV	IRRIGATION CONTROL VALVE
○ SPK	○ SPK	SPRINKER HEAD

Layout and Materials Legend



Existing	Proposed	Notes
Political and Property Boundaries		
		PROPERTY LINE; RIGHT-OF-WAY LINE
		INTERIOR PROPERTY LINE
		BUILDING SETBACK LINE
		EASEMENT
		WETLAND FLAGGING
		LIMITS OF CONSTRUCTION/DISTURBANCE
		MATCHLINE
Curb and Pavement		
		CONCRETE CURB
		EDGE OF PAVEMENT
		SAWCUT LINE
	▨	NEW PAVEMENT
	▨	HEAVY DUTY PAVEMENT
Building and Elements		
		BUILDING
		CONCRETE and CONCRETE WALK
	◁ ENT ◀ OHD	BUILDING ENTRANCE and OVERHEAD DOOR
	○	BOLLARD PROTECTION
Fence and Property Features		
x		CHAIN LINK FENCE
		STOCKADE FENCE
		FENCE (OTHER)
		RETAINING WALL
		TREE LINE
		EDGE of WATER LINE / HIGH WATER
		xxx
Parking Features		
24	24	PARKING COUNT
24	24	LANDBANKED PARKING COUNT

N Y S D E C
APPROVED AS PER TERMS
AND CONDITIONS OF
PERMIT NO. 1-4736-00899/00015
DATE 04/29/2020
p. 1 of 12

PWGC
CLIENT DRIVEN SOLUTIONS
P.W. GROSSER CONSULTING ENGINEER
AND HYDROGEOLOGIST, P.C.

630 Johnson Avenue. • Suite 7
Bohemia • NY • 11716-2618
Phone: (631) 589-6353 • Fax: (631) 589-8705
E-mail: INFO@PWGROSSER.COM

CONSULTANTS

7		
6		
5		
4		
3		
2		
1	REVISED GRASS AREAS AND PATH	03/23/2020

SP
SP 11/08/18
BAG AS NOTED

94 DUNE ROAD HOLDING CORP.
PO BOX 681
EAST QUOGUE, NY

94 DUNE ROAD
SANITARY
SITE PLAN

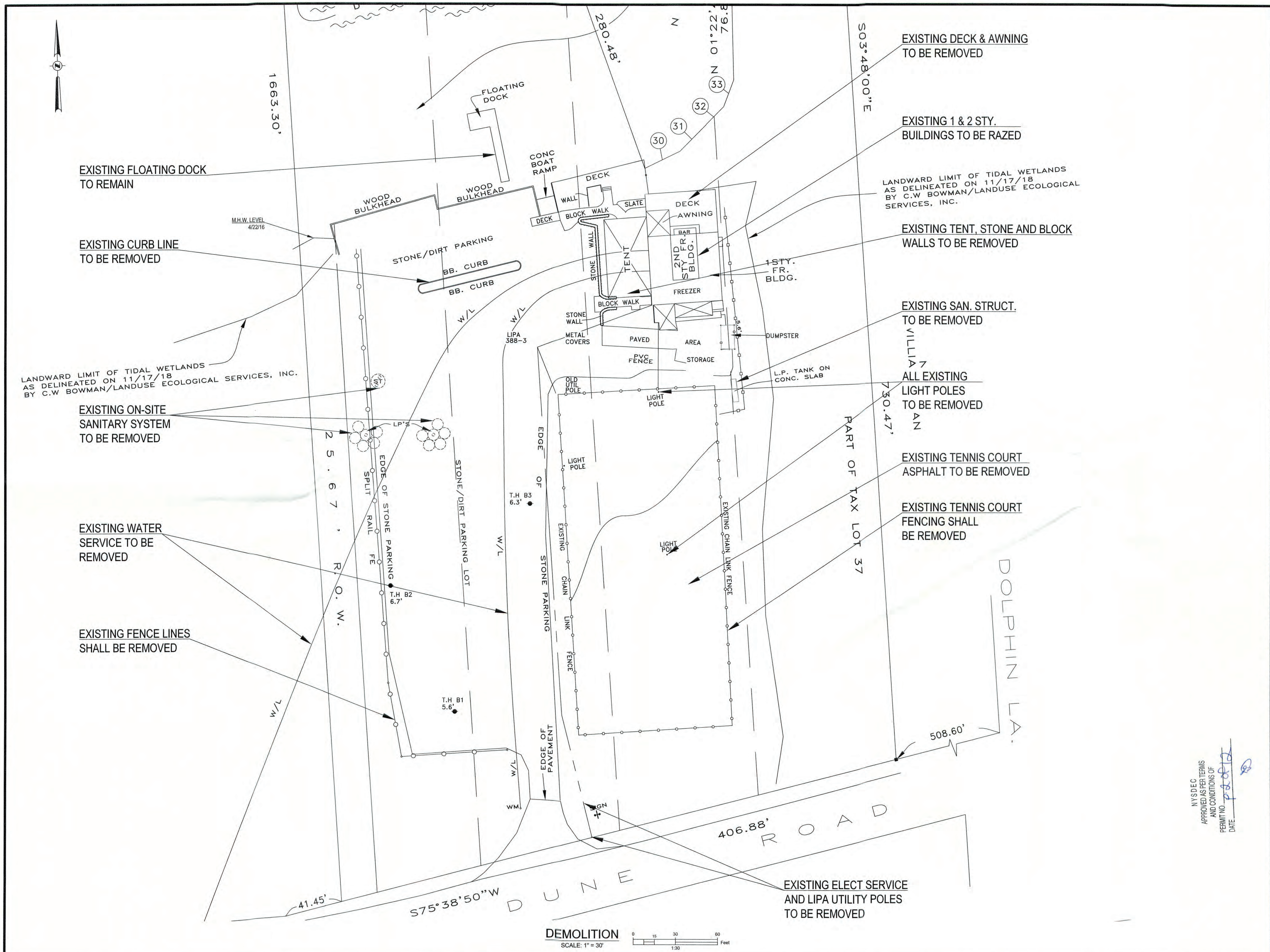
94 DUNE ROAD
EAST QUOGUE, TOWN OF SOUTHAMPTON
SUFFOLK COUNTY, NY

900-385-01-37.3 DRH
SH-XXXX

GENERAL
SITE PLAN
NOTES

G-001

1 OF 12


N
1663.30'
280.48'
N 01°22' 76.8
S03°48'00"E
FLOATING DOCK
(30)
(31)
(32)
(33)
CONC BOAT RAMP
DECK
WALL
SLATE
DECK
AWNING
BAR
WOOD BULKHEAD
WOOD BULKHEAD
DECK
BLOCK WALK
M.H.W. LEVEL 4/22/16
STONE/DIRT PARKING
BB. CURB
BB. CURB
WALL
STONE
TENT
2ND STY FR. BLDG.
1STY. FR. BLDG.
FREEZER
BLOCK WALK
STONE WALL
W/L
W/L
LIPA 388-3
METAL COVERS
PAVED
AREA
PVC FENCE
STORAGE
DUMPSTER
5.6'
L.P. TANK ON CONC. SLAB
VILLIA AN
730.47'
OLD UTIL POLE
LIGHT POLE
LANDWARD LIMIT OF TIDAL WETLANDS AS DELINEATED ON 11/17/18 BY C.W BOWMAN/LANDUSE ECOLOGICAL SERVICES, INC.
LANDWARD LIMIT OF TIDAL WETLANDS AS DELINEATED ON 11/17/18 BY C.W BOWMAN/LANDUSE ECOLOGICAL SERVICES, INC.
ST
LP'S
25.67' R.O.W.
SPLIT RAIL FE
EDGE OF STONE PARKING
STONE/DIRT PARKING LOT
EDGE OF STONE PARKING
LIGHT POLE
PART OF TAX LOT 37
T.H B3 6.3'
EXISTING CHAIN LINK FENCE
EXISTING CHAIN LINK FENCE
LIGHT POLE
T.H B2 6.7'
W/L
DOLPHIN LA.
T.H B1 5.6'
W/L
EDGE OF PAVEMENT
W/L
508.60'
WM
SIGN
406.88'
ROAD
DUNE
41.45'
S75°38'50"W

EXISTING FLOATING DOCK TO REMAIN

EXISTING CURB LINE TO BE REMOVED

EXISTING ON-SITE SANITARY SYSTEM TO BE REMOVED

EXISTING WATER SERVICE TO BE REMOVED

EXISTING FENCE LINES SHALL BE REMOVED

EXISTING DECK & AWNING TO BE REMOVED

EXISTING 1 & 2 STY. BUILDINGS TO BE RAZED

EXISTING TENT, STONE AND BLOCK WALLS TO BE REMOVED

EXISTING SAN. STRUCT. TO BE REMOVED

ALL EXISTING LIGHT POLES TO BE REMOVED

EXISTING TENNIS COURT ASPHALT TO BE REMOVED

EXISTING TENNIS COURT FENCING SHALL BE REMOVED

EXISTING ELECT SERVICE AND LIPA UTILITY POLES TO BE REMOVED

DEMOLITION
SCALE: 1" = 30'
0 15 30 60 Feet
1:30

NYSDEC
APPROVED AS PER TERMS
AND CONDITIONS OF
PERMIT NO.
DATE

PWGC
CLIENT DRIVEN SOLUTIONS

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AND HYDROGEOLOGIST, P.C.
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CONSULTANTS

7		
6		
5		
4		
3		
2		
1	REVISED GRASS AREAS AND PATH	03/23/2020

SP
SP 11/08/18
BAG AS NOTED

94 DUNE ROAD HOLDING CORP.
PO BOX 681
EAST QUOGUE, NY

94 DUNE ROAD SANITARY SITE PLAN

94 DUNE ROAD
EAST QUOGUE, TOWN OF SOUTHAMPTON
SUFFOLK COUNTY, NY

900-385-01-37.3 DRH
SH-XXXX

DEMOLITION SITE PLAN

4/1/2020

C-001

2 OF 12

Project, Site and Zoning Data

Property Data

OWNER	94 DUNE ROAD HOLDING CORP.
TAX LOT NUMBER	District: 900 Section: 385 Block: 1 Lot(s): 37.3
TOTAL PROPERTY AREA:	375,203 SF (8.61 ACRES)
PROPOSED USE:	DOCKERS COMMUNITY CONDOMINIUMS
EXISTING USE:	MARINA/RESTAURANT
WATER DISTRICT:	HAMPTON BAYS WATER DISTRICT
ELECTRIC PROVIDER:	PSE&G
FIRE DISTRICT:	EAST QUOGUE FIRE DISTRICT

Zoning Data

	REQUIRED R:80	REQUIRED MF-44	PROPOSED UNDER MF-44
	RESIDENCE: R-80	RESIDENCE: MF:44	RESIDENCE: MF:44
MIN. SQUARE FEET :	80, 000	44,000	400,252
MAX. LOT COVERAGE:	10%	20%	7.86%*
LOT WIDTH:	175' MIN	200' MIN.	406.88'
MAX HEIGHT:	2 STORIES / 32'	2 STORIES/ 32'	2 STORIES/ 32'
FRONT YARD SETBACK:	80'	50'	50'
SIDE YARD 1:	30'	50'	30'
BOTH SIDE YARDS:	75'	100'	175.8'
REAR YARD:	100'	100'	1,228.0'+/-

* EXISTING LOT COVERAGE:

NYSDEC ADJACENT AREA

ADJACENT AREA: 149,361 SF

300' WETLANDS OFFSET	REQUIRED	EXISTING	PROPOSED
MAX. LOT IMPERVIOUS COVERAGE:	20% MAXIMUM	24.67%	23.22 %
INCLUDES:			
BLOCK WALK		0.73 % (1,093 SF)	-
DECK		1.92 % (2,868 SF)	1.51 % (2,263 SF)
PAVED AREA		0.71 % (1,062 SF)	-
POOL		-	0.47 % (700 SF)
ROOFS OF BUILDING/STRUCTURES		3.44 % (5,138 SF)	21.24 % (31,724 SF)
TENNIS COURT		17.86 % (26,689 SF)	-

THE ENTIRE UPLAND AREA IS WITHIN THE NYSDEC 300' ADJACENT AREA

Parking Calculations

PARKING REQUIRED:	(11) 4-BEDROOM UNITS ("B" UNITS) @ 2.5 STALLS/UNIT = 28 PARKING STALLS (14) 2-BEDROOM UNITS ("A" UNITS) @ 2 STALLS/UNIT= 28 PARKING STALLS
TOTAL PARKING REQUIRED =	56 PARKING STALLS
PARKING PROVIDED:	(50) - GROUND LEVEL GARAGE PARKING STALLS (28) DRIVEWAY/GUEST SITE PARKING STALLS
TOTAL PARKING PROVIDED=	78 PARKING STALLS

Survey Information

SURVEY BASE MAP INFORMATION FROM:

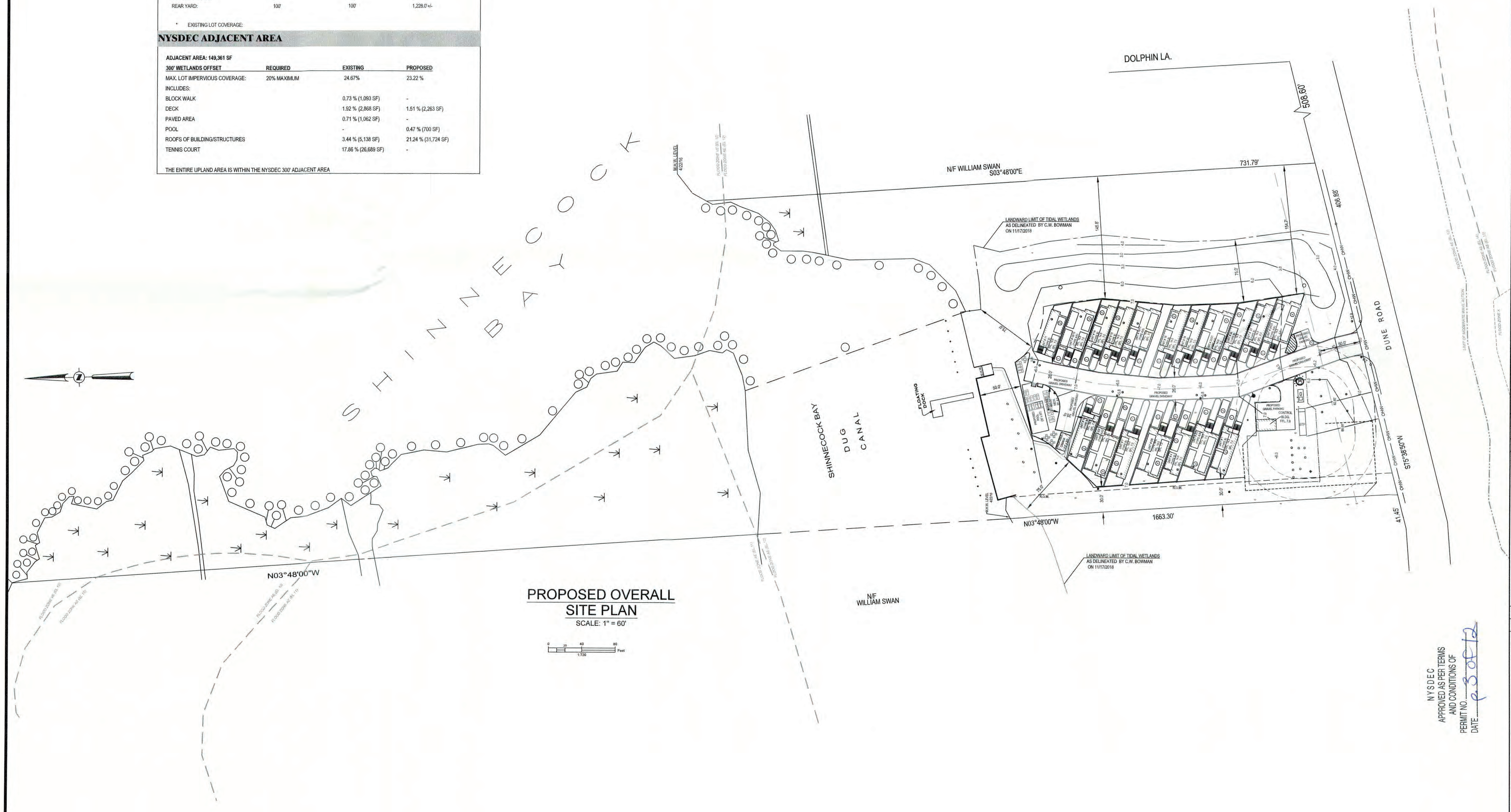
RAYNOR, MARCKS, & CARRINGTON SURVEYING
QUEOGUE, NY
DATED: 08/15/2007

Vicinity Map

SITE

s A-D\DRH - 94 Dune Road - Dockers\KEYMAP.png

SCALE: N.T.S.



DOLPHIN LA.
508.60'
N/F WILLIAM SWAN
S03°48'00"E
731.79'
406.88'
SHINNECOCK BAY
SHINNECOCK BAY
DUG
CANAL
FLOATING DOCK
LANDWARD LIMIT OF TIDAL WETLANDS
AS DELINEATED BY C.W. BOWMAN
ON 11/17/2018
145.8'
154.7'
75.0'
50.0'
26.0'
20.0'
30.0'
PROPOSED GRAVEL DRIVEWAY
PROPOSED GRAVEL PARKING
PROPOSED POOL (20' x 35')
PROPOSED CABANA
CONTROL BLDG. FFL 7.0
STP
R.O.W.
M.H.W. LEVEL 4/22/16
N03°48'00"W
1663.30'
S75°38'50"W
41.45
DUNE ROAD
OHW
N03°48'00"W
N/F
WILLIAM SWAN
0
20
40
80
Feet
1:720

PROPOSED OVERALL SITE PLAN
SCALE: 1" = 60'

N Y S D E C
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AND CONDITIONS OF
PERMIT NO. ______
DATE 2.3.0f12

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E-mail: INFO@PWGROSSER.COM

CONSULTANTS

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2	REVISED GRASS AREAS AND PATH	03/23/2020
1		

SP
SP 11/08/18
BAG AS NOTED

94 DUNE ROAD HOLDING CORP.
PO BOX 681
EAST QUOGUE, NY

94 DUNE ROAD

SITE PLAN

94 DUNE ROAD
EAST QUOGUE, TOWN OF SOUTHAMPTON
SUFFOLK COUNTY, NY

900-385-01-37.3 DRH
SH-XXXX

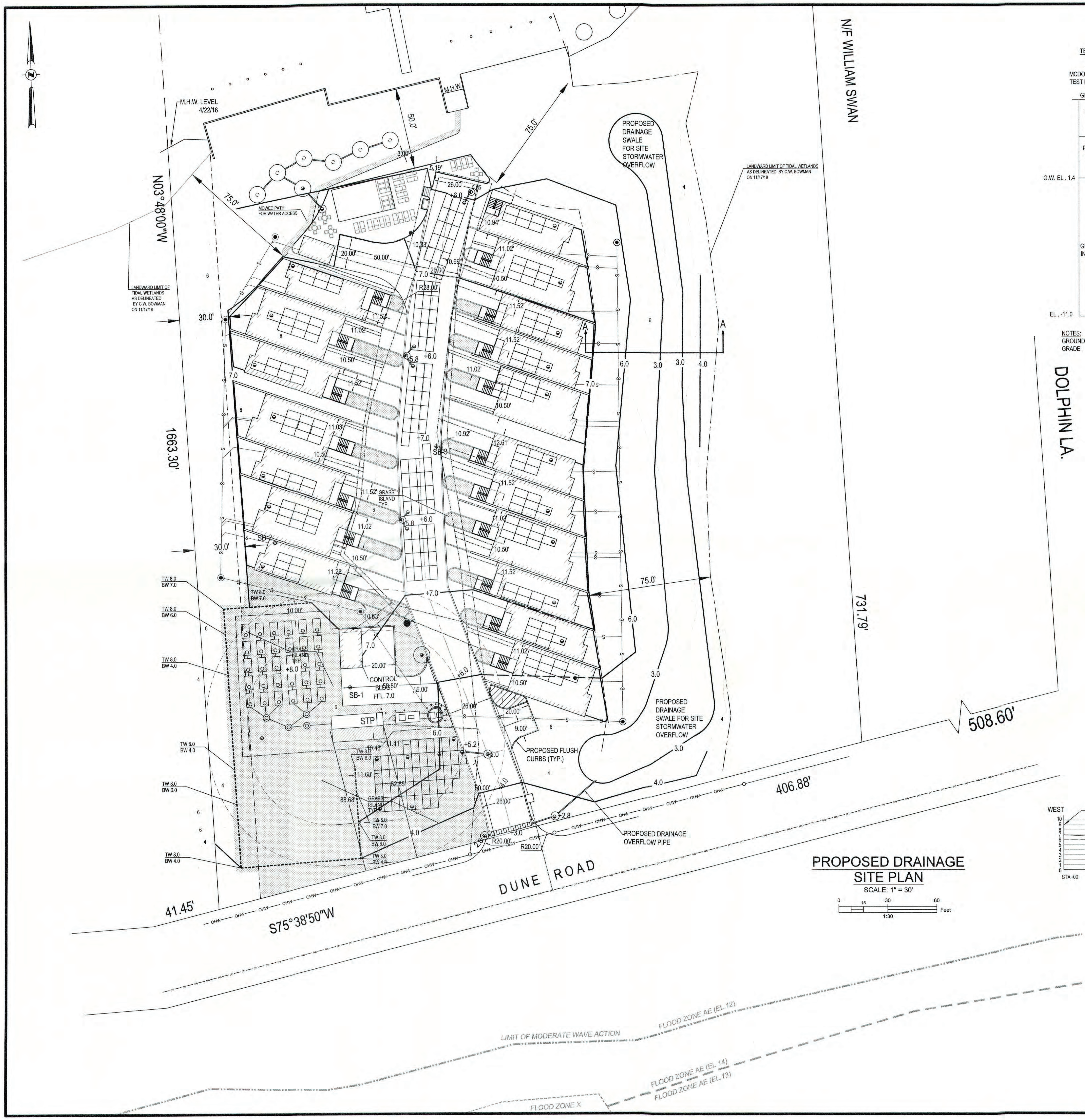
OVERALL SITE PLAN

4/9/2020

C-002

3 OF 12

PWGC FILE NAME: C:\Users\cunha\Desktop\dockers\File Set 03-24-20.dwg (OSP- C-002 (3))
PLOT DATE/TIME: Mar 31, 2020-1:07pm By: CUNHA


M.H.W. LEVEL 4/22/16
M.H.W.
50.0'
75.0'
75.0'
3.00'
5.19'
26.00'
5.85
+6.0
MOWED PATH FOR WATER ACCESS
N03°48'00"W
LANDWARD LIMIT OF TIDAL WETLANDS AS DELINEATED BY C.W. BOWMAN ON 11/17/18
LANDWARD LIMIT OF TIDAL WETLANDS AS DELINEATED BY C.W. BOWMAN ON 11/17/18
N/F WILLIAM SWAN
PROPOSED DRAINAGE SWALE FOR SITE STORMWATER OVERFLOW
10.94'
10.33'
20.00'
50.00'
10.69'
26.00'
7.0
R28.00'
11.02'
10.50'
11.52'
30.0'
1663.30'
A
A
6.0
3.0
3.0
4.0
7.0
5.8
+6.0
11.03'
10.92'
12.61'
+7.0
SB-3
10.52'
11.52'
GRASS ISLAND TYP.
+6.0
SB-2
30.0'
11.28'
DOLPHIN LA.
731.79'
75.0'
+7.0
TW 8.0 BW 7.0
TW 8.0 BW 6.0
TW 8.0 BW 4.0
TW 8.0 BW 4.0
TW 8.0 BW 6.0
TW 8.0 BW 4.0
10.00'
10.83'
GRASS ISLAND TYP.
+8.0
7.0
20.00'
CONTROL BLDG. FFL. 7.0
58.80'
16.00'
SB-1
STP
26.00'
20.00'
9.00'
6.0
+5.2
+5.0
10.46'
11.41'
11.68'
82.85'
88.68'
GRASS ISLAND TYP.
TW 8.0 BW 8.0
TW 8.0 BW 7.0
TW 8.0 BW 6.0
TW 8.0 BW 4.0
50.00'
26.00'
4.0
+4.0
+2.8
+3.0
2.8
R20.00'
R20.00'
PROPOSED FLUSH CURBS (TYP.)
PROPOSED DRAINAGE SWALE FOR SITE STORMWATER OVERFLOW
3.0
4.0
PROPOSED DRAINAGE OVERFLOW PIPE
406.88'
508.60'
DUNE ROAD
41.45'
S75°38'50"W
OHW
LIMIT OF MODERATE WAVE ACTION
FLOOD ZONE AE (EL.12)
FLOOD ZONE AE (EL.14)
FLOOD ZONE AE (EL.13)
FLOOD ZONE X

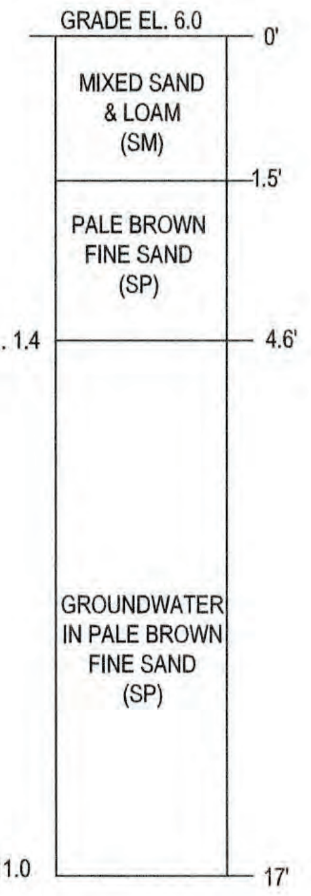
PROPOSED DRAINAGE SITE PLAN

SCALE: 1" = 30'

0 15 30 60 Feet
1:30

TEST HOLE DATA

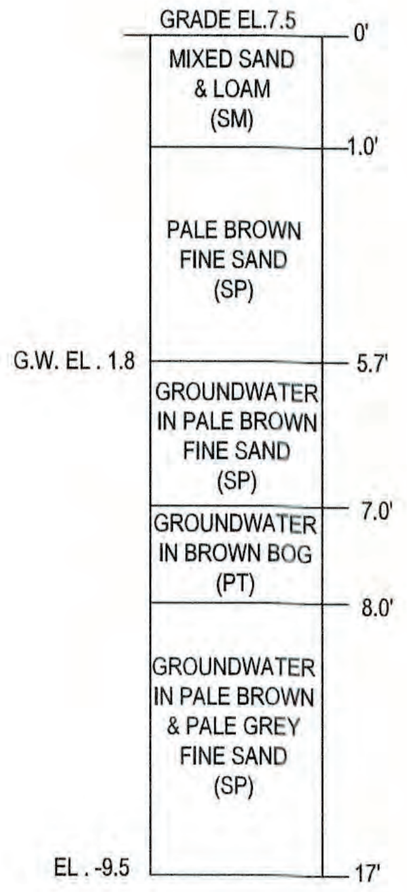
SCALE: NTS
MCDONALD GEOSCIENCE
TEST HOLE DUG: 03-02-16


GRADE EL. 6.0
0'
MIXED SAND & LOAM (SM)
1.5'
PALE BROWN FINE SAND (SP)
G.W. EL . 1.4
4.6'
GROUNDWATER IN PALE BROWN FINE SAND (SP)
EL . -11.0
17'

NOTES:
GROUNDWATER ENCOUNTERED 4.6' BELOW GRADE.

TEST HOLE DATA

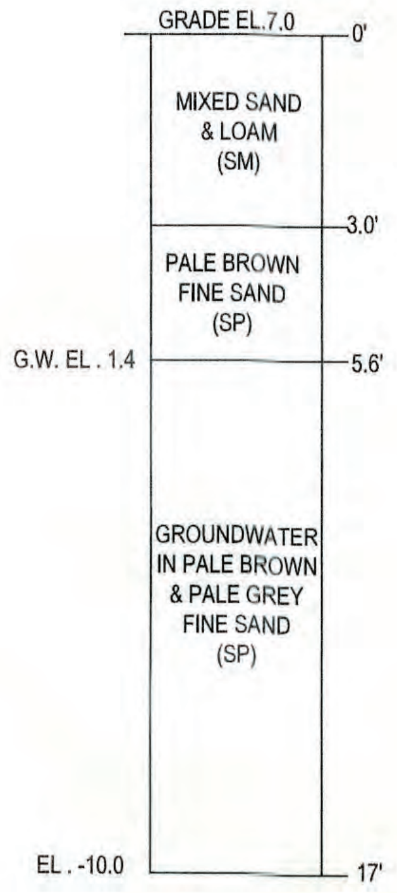
SCALE: NTS
MCDONALD GEOSCIENCE
TEST HOLE DUG: 03-02-16


GRADE EL.7.5
0'
MIXED SAND & LOAM (SM)
1.0'
PALE BROWN FINE SAND (SP)
G.W. EL . 1.8
5.7'
GROUNDWATER IN PALE BROWN FINE SAND (SP)
7.0'
GROUNDWATER IN BROWN BOG (PT)
8.0'
GROUNDWATER IN PALE BROWN & PALE GREY FINE SAND (SP)
EL . -9.5
17'

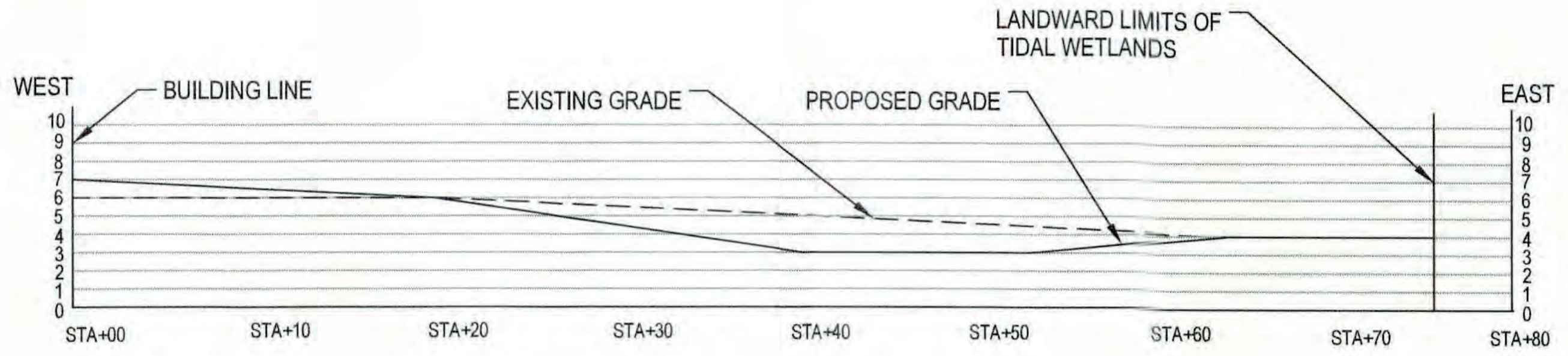
NOTES:
GROUNDWATER ENCOUNTERED 5.7' BELOW GRADE.

TEST HOLE DATA

SCALE: NTS
MCDONALD GEOSCIENCE
TEST HOLE DUG: 03-02-16


GRADE EL.7.0
0'
MIXED SAND & LOAM (SM)
3.0'
PALE BROWN FINE SAND (SP)
G.W. EL . 1.4
5.6'
GROUNDWATER IN PALE BROWN & PALE GREY FINE SAND (SP)
EL . -10.0
17'

NOTES:
GROUNDWATER ENCOUNTERED 5.6' BELOW GRADE.



CROSS SECTION A-A

VERTICAL SCALE: 1" = 1'
HORIZONTAL SCALE:1"=10'

0 1/2 1 2 Feet
1:1

0 5 10 20 Feet
1:10

N Y S D E C
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AND CONDITIONS OF
PERMIT NO. 4/8/20
DATE P.

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2		
1	REVISED GRASS AREAS AND PATH	03/23/2020

SP	
SP	11/08/18
BAG	AS NOTED

94 DUNE ROAD HOLDING CORP.
PO BOX 681
EAST QUOGUE, NY

94 DUNE ROAD

SITE PLAN

94 DUNE ROAD
EAST QUOGUE, TOWN OF SOUTHAMPTON
SUFFOLK COUNTY, NY

900-385-01-37.3	DRH
SH-XXXX	

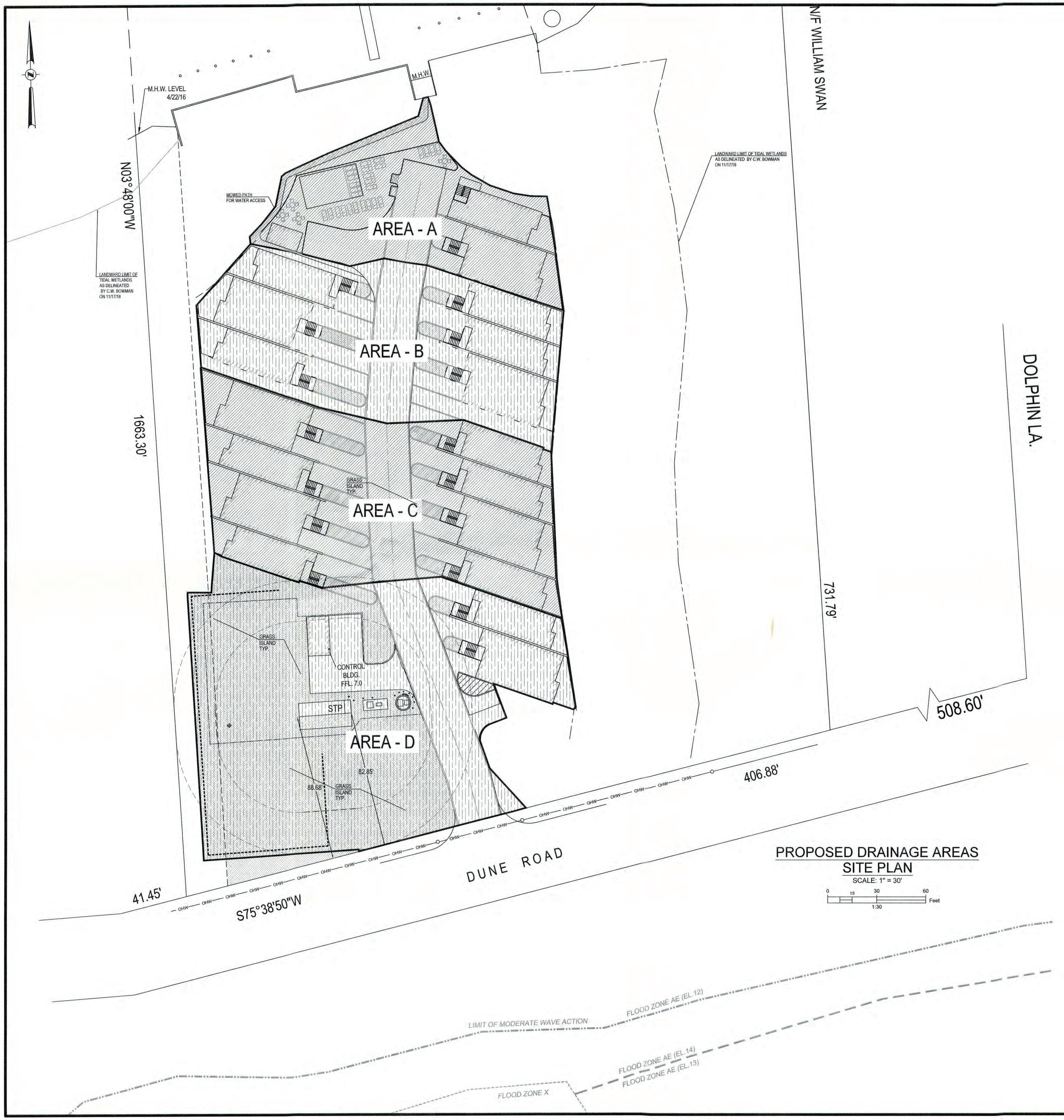
GRADING & DRAINAGE SITE PLAN

4/9/2020

C-003

4 OF 12

PWGC FILE NAME: C:\Users\cunha\Desktop\dockers\File Set 03-24-20.dwg (G+D C-003 (4))
PLOT DATE/TIME: Mar 31, 2020-1:07pm By: CUNHA


N/F WILLIAM SWAN
M.H.W. LEVEL
4/22/16
M.H.W.
N03°48'00"W
1663.30'
LANDWARD LIMIT OF TIDAL WETLANDS AS DELINEATED BY C.W. BOWMAN ON 11/17/18
MOWED PATH FOR WATER ACCESS
LANDWARD LIMIT OF TIDAL WETLANDS AS DELINEATED BY C.W. BOWMAN ON 11/17/18
AREA - A
AREA - B
AREA - C
AREA - D
GRASS ISLAND TYP.
GRASS ISLAND TYP.
CONTROL BLDG. FFL. 7.0
STP
GRASS ISLAND TYP.
88.68
82.85
DOLPHIN LA.
731.79'
508.60'
406.88'
41.45'
S75°38'50"W
DUNE ROAD
OHW
LIMIT OF MODERATE WAVE ACTION
FLOOD ZONE AE (EL.12)
FLOOD ZONE AE (EL.14)
FLOOD ZONE AE (EL.13)
FLOOD ZONE X

PROPOSED DRAINAGE AREAS SITE PLAN

SCALE: 1" = 30'

0
15
30
60
Feet
1:30

Drainage Calculations

TOTAL PROPERTY AREA		= 375,190 SF (8.61 ACRES)
TOTAL DEVELOPMENT AREA		= 85,385 SF (1.96 ACRES)

DRAINAGE AREA A - 12,043 SF

DRAINAGE REQUIRED

ROOF AREA HOUSING:	3,550 SF x 3"/12" x 1.00	= 887.5 CF
CABANA/DECK/POOL:	3,203 SF x 3"/12" x 1.00	= 800.75 CF
GRAVEL AREA:	3,655 SF x 3"/12" x 0.9	= 822.375 CF
PERVIOUS GRASS AREA:	1,635 SF x 3"/12" x 0.20	= 81.75 CF
	TOTAL REQUIRED	= 2,592.375 CF

DRAINAGE PROVIDED

2' DEEP LEACHING GALLEYS - 53.0 CF PER UNIT
10'Ø x 2' E.D. LEACHING POOLS - 136.84 CF PER UNIT

HOUSING PROVIDED: 17 UNITS x 53.0 CF	= 901.0 CF
CABANA/DECK/POOL PROVIDED: 6 UNITS x 136.84 CF	= 821.04 CF
GRAVEL AREA PROVIDED: 15 UNITS x 53.0 CF	= 795.0 CF
1 UNIT x 136.84 CF	= 136.84 CF
PERVIOUS AREA PROVIDED: 2 UNITS x 53.0CF	= 106.0 CF
TOTAL PROVIDED	= 2,759.88 CF

DRAINAGE AREA B - 19,051 SF

DRAINAGE REQUIRED

ROOF AREA HOUSING:	9,725 SF x 3"/12" x 1.00	= 2,431.25 CF
GRAVEL AREA:	6,592 SF x 3"/12" x 0.90	= 1,483.20 CF
PERVIOUS GRASS AREA:	2,734 SF x 3"/12" x 0.20	= 136.7CF
	TOTAL REQUIRED	= 4,051.15 CF

DRAINAGE PROVIDED

2' DEEP LEACHING GALLEYS - 53.0 CF PER UNIT
10'Ø x 2' E.D. LEACHING POOLS - 136.84 CF PER UNIT

HOUSING PROVIDED: 48 UNITS x 53.0 CF	= 2,544.0 CF
GRAVEL AREA PROVIDED: 28 UNITS x 53.0 CF	= 1484.0 CF
PERVIOUS AREA PROVIDED: 3 UNITS x 53.0CF	= 159.0 CF
TOTAL PROVIDED	= 4,187.0 CF

DRAINAGE AREA C - 22,047 SF

DRAINAGE REQUIRED

ROOF AREA HOUSING:	13,424 SF x 3"/12" x 1.00	= 3,356.0 CF
GRAVEL AREA:	7,316 SF x 3"/12" x 0.90	= 1,646.1 CF
PERVIOUS GRASS AREA:	1,307 SF x 3"/12" x 0.20	= 65.35 CF
	TOTAL REQUIRED	= 5,067.45 CF

DRAINAGE PROVIDED

2' DEEP LEACHING GALLEYS - 53.0 CF PER UNIT
10'Ø x 2' E.D. LEACHING POOLS - 136.84 CF PER UNIT

HOUSING PROVIDED: 65 UNITS x 53.0 CF	= 3,445.0 CF
GRAVEL AREA PROVIDED: 32 UNITS x 53.0 CF	= 1,696.0 CF
PERVIOUS AREA PROVIDED: 1 UNITS x 53.0CF	= 53.0 CF
TOTAL PROVIDED	= 5,194.0 CF

DRAINAGE AREA D - 32,244 SF

DRAINAGE REQUIRED

ROOF AREA HOUSING:	3,267 SF x 3"/12" x 1.00	= 816.75 CF
ROOF AREA STP/CONTROL:	578 SF x 3"/12" x 1.00	= 144.5 CF
GRAVEL AREA:	6,354 SF x 3"/12" x 0.90	= 1,429.65 CF
PERVIOUS GRASS AREA:	22,045 SF x 3"/12" x 0.20	= 1,102.25 CF
	TOTAL REQUIRED	= 3,493.15 CF

DRAINAGE PROVIDED

2' DEEP LEACHING GALLEYS - 53.0 CF PER UNIT
10'Ø x 2' E.D. LEACHING POOLS - 136.84 CF PER UNIT

HOUSING PROVIDED: 17 UNITS x 53.0 CF	= 901.0 CF
ROOF STP/CONTROL: 2 UNITS X 136.84 CF	= 273.68 CF
GRAVEL AREA PROVIDED: 27 UNITS x 53.0 CF	= 1,431.0 CF
PERVIOUS AREA PROVIDED: 21 UNITS x 53.0CF	= 1,113.0 CF
TOTAL PROVIDED	= 3,718.68 CF

Design Data

DESIGN STORM EVENT = 3"

GROUNDWATER ELEVATION = 1.0

MINIMUM SEPARATION DISTANCE BETWEEN BOTTOM OF LEACHING STRUCTURE AND GROUNDWATER = 2.0'

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APPROVED AS PER TERMS
AND CONDITIONS OF
PERMIT NO.
DATE 5/8/18

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2		
1	REVISED GRASS AREAS AND PATH	03/23/2020

SP
SP 11/08/18
BAG AS NOTED

94 DUNE ROAD HOLDING CORP.
PO BOX 681
EAST QUOGUE, NY

94 DUNE ROAD

SITE PLAN

94 DUNE ROAD
EAST QUOGUE, TOWN OF SOUTHAMPTON
SUFFOLK COUNTY, NY

900-385-01-37.3 DRH
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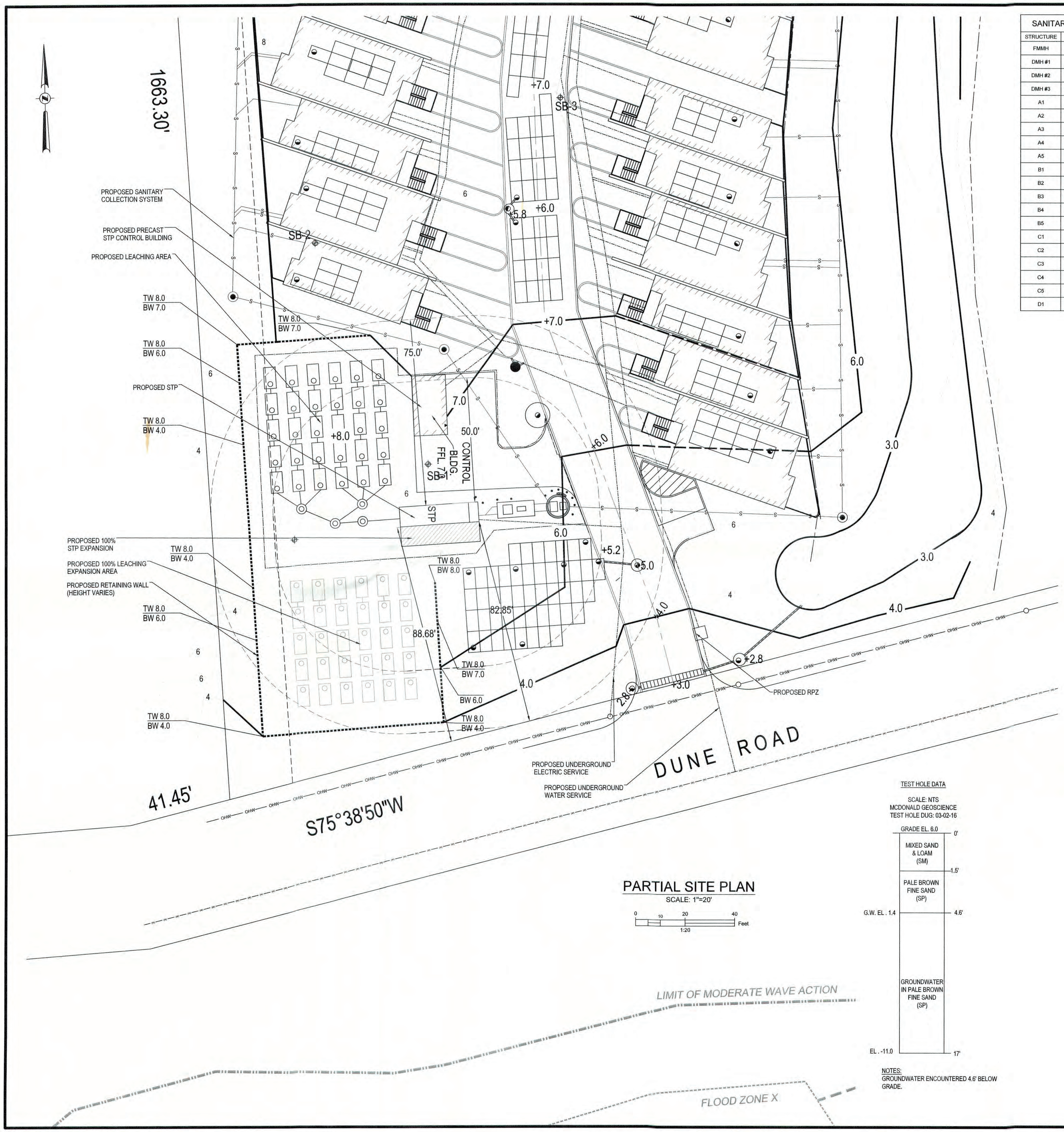
DRAINAGE SITE PLAN

C-004

5 OF 12


1663.30'
8
+7.0
SB-3
+6.0
5.8
6
SB-2
PROPOSED SANITARY COLLECTION SYSTEM
PROPOSED PRECAST STP CONTROL BUILDING
PROPOSED LEACHING AREA
TW 8.0
BW 7.0
TW 8.0
BW 7.0
TW 8.0
BW 6.0
75.0'
+7.0
6.0
PROPOSED STP
6
7.0
50.0'
+8.0
CONTROL BLDG. FFL. 7.0
SB-1
TW 8.0
BW 4.0
4
+6.0
3.0
STP
6
6.0
PROPOSED 100% STP EXPANSION
TW 8.0
BW 4.0
+5.2
5.0
6
4
PROPOSED 100% LEACHING EXPANSION AREA
PROPOSED RETAINING WALL (HEIGHT VARIES)
TW 8.0
BW 8.0
82.85'
3.0
4
TW 8.0
BW 6.0
4
88.68'
4.0
4.0
+2.8
6
TW 8.0
BW 7.0
4.0
6
BW 6.0
2.8
+3.0
PROPOSED RPZ
4
TW 8.0
BW 4.0
TW 8.0
BW 4.0
PROPOSED UNDERGROUND ELECTRIC SERVICE
PROPOSED UNDERGROUND WATER SERVICE
DUNE ROAD
41.45'
S75°38'50"W
LIMIT OF MODERATE WAVE ACTION
FLOOD ZONE X

PARTIAL SITE PLAN

SCALE: 1"=20'

0 10 20 40 Feet
1:20

SANITARY LEACHING SYSTEM STRUCTURE TABLE					
STRUCTURE	TOP EL.	INV. IN EL.	INV. OUT EL.	DIAMETER	EFF. DEPTH
FMMH	11.10	7.40	7.15	5'	N/A
DMH #1	10.54	7.04	6.94	5'	N/A
DMH #2	9.77	6.80	6.70	5'	N/A
DMH #3	9.77	8.5	9.5	5'	N/A
A1	8.5	6.6	6.6	N/A	2'
A2	8.5	6.6	6.6	N/A	2'
A3	8.5	6.6	6.6	N/A	2'
A4	8.5	6.6	6.6	N/A	2'
A5	8.5	6.6	-	N/A	2'
B1	8.5	6.6	6.6	N/A	2'
B2	8.5	6.6	6.6	N/A	2'
B3	8.5	6.6	6.6	N/A	2'
B4	8.5	6.6	6.6	N/A	2'
B5	8.5	6.6	-	N/A	2'
C1	8.5	6.6	6.6	N/A	2'
C2	8.5	6.6	6.6	N/A	2'
C3	8.5	6.6	6.6	N/A	2'
C4	8.5	6.6	6.6	N/A	2'
C5	8.5	6.6	-	N/A	2'
D1	8.5	6.6	6.6	N/A	2'
D2	8.5	6.6	6.6	N/A	2'
D3	8.5	6.6	6.6	N/A	2'
D4	8.5	6.6	6.6	N/A	2'
D5	8.5	6.6	-	N/A	2'
E1	8.5	6.6	6.6	N/A	2'
E2	8.5	6.6	6.6	N/A	2'
E3	8.5	6.6	6.6	N/A	2'
E4	8.5	6.6	6.6	N/A	2'
E5	8.5	6.6	-	N/A	2'
F1	8.5	6.6	6.6	N/A	2'
F2	8.5	6.6	6.6	N/A	2'
F3	8.5	6.6	6.6	N/A	2'
F4	8.5	6.6	6.6	N/A	2'
F5	8.5	6.6	-	N/A	2'

SANITARY CALCULATIONS

GROUNDWATER MANAGEMENT ZONE : IV - 600 GPD/ACRE

ADJUSTED GROSS LAND AREA = 149,361.16 SF (3.35 ACRES)

ALLOWABLE SANITARY FLOW = 3.35 ACRES X 600 GPD/ACRE = 2,010 GPD

PROPOSED SANITARY DESIGN:

25 HOUSING UNITS > 1,200 SF @ 300 GPD/UNIT = 7,500 GPD

SINCE PROPOSED FLOW EXCEEDS ALLOWABLE FLOW A SEWAGE TREATMENT PLANT (STP) IS REQUIRED.

STP DESIGN FLOW = 7,500 GPD

LEACHING POOLS REQUIRED:

7,500 GPD / 5 GPD/SQ.FT. = 1,500 SQ.FT OF LEACHING AREA

2' DEEP LEACHING GALLEYS PROVIDE 53 SQ.FT PER UNIT

1,500 SQ.FT / 53 SQ.FT = 28.3 UNITS, PROVIDE 30 UNITS

30 UNITS X 53 SQ.FT. = 1,590 SQ.FT. PROVIDED

PROVIDE 30 UNITS FOR 100% EXPANSION AREA

TEST HOLE DATA

SCALE: NTS
MCDONALD GEOSCIENCE
TEST HOLE DUG: 03-02-16

GRADE EL. 6.0 — 0'
MIXED SAND & LOAM (SM)
1.5'
PALE BROWN FINE SAND (SP)
G.W. EL . 1.4 — 4.6'
GROUNDWATER IN PALE BROWN FINE SAND (SP)
EL . -11.0 — 17'

NOTES:
GROUNDWATER ENCOUNTERED 4.6' BELOW GRADE.

TEST HOLE DATA

SCALE: NTS
MCDONALD GEOSCIENCE
TEST HOLE DUG: 03-02-16

GRADE EL.7.5 — 0'
MIXED SAND & LOAM (SM)
1.0'
PALE BROWN FINE SAND (SP)
G.W. EL . 1.8 — 5.7'
GROUNDWATER IN PALE BROWN FINE SAND (SP)
7.0'
GROUNDWATER IN BROWN BOG (PT)
8.0'
GROUNDWATER IN PALE BROWN & PALE GREY FINE SAND (SP)
EL . -9.5 — 17'

NOTES:
GROUNDWATER ENCOUNTERED 5.7' BELOW GRADE.

TEST HOLE DATA

SCALE: NTS
MCDONALD GEOSCIENCE
TEST HOLE DUG: 03-02-16

GRADE EL.7.0 — 0'
MIXED SAND & LOAM (SM)
3.0'
PALE BROWN FINE SAND (SP)
G.W. EL . 1.4 — 5.6'
GROUNDWATER IN PALE BROWN & PALE GREY FINE SAND (SP)
EL . -10.0 — 17'

NOTES:
GROUNDWATER ENCOUNTERED 5.6' BELOW GRADE.

N Y S D E C
APPROVED AS PER TERMS
AND CONDITIONS OF
PERMIT NO. [illegible]
DATE

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CONSULTANTS

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1	REVISED GRASS AREAS AND PATH	03/23/2020

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SP 11/08/18
BAG AS NOTED

94 DUNE ROAD HOLDING CORP.
PO BOX 681
EAST QUOGUE, NY

94 DUNE ROAD

SITE PLAN

94 DUNE ROAD
EAST QUOGUE, TOWN OF SOUTHAMPTON
SUFFOLK COUNTY, NY

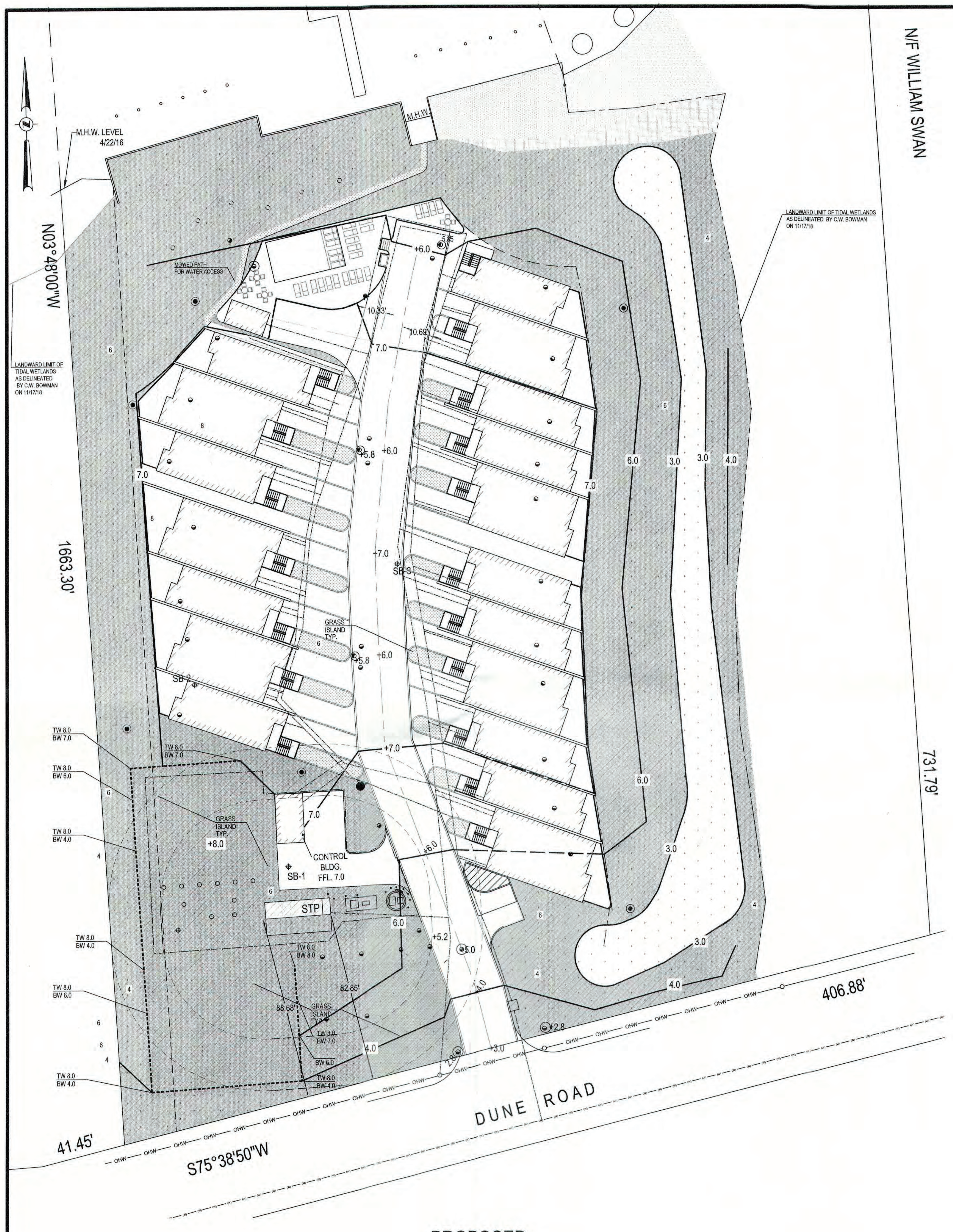
900-385-01-37.3 DRH
SH-XXXX

SEWAGE TREATMENT PLANT SITE PLAN

4/9/2020

C-005

6 OF 12



PROPOSED SITE PLAN

SCALE: 1" = 30'

Planting Schedule

QTY	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	COMMENTS
	░	Morella pensylvanica	BAYBERRY	2 GAL. CONTAINER	6' SPACING CLUSTER 8-9 ON 30' SPACING *	PROVIDE 2" WATERING PER WEEK 6 MONTHS FROM TRANSPLANT. MATURE HEIGHT 12', MATURE SPREAD 10'
	░	Prunus maritima	BEACH PLUM	2 GAL. CONTAINER	6' SPACING CLUSTER 8-9 ON 30' SPACING *	PROVIDE 2" WATERING PER WEEK 6 MONTHS FROM TRANSPLANT. MATURE HEIGHT 6', MATURE SPREAD 6'
	▨	Solidago sempervirens - (PLUGS)	SEASIDE GOLDENROD	2" PLUGS	12" O.C. SPACING *	PROVIDE 2" WATERING PER WEEK 6 MONTHS FROM TRANSPLANT. MATURE HEIGHT 3', MATURE SPREAD 2'
		Schizachyrium scoparium	LITTLE BLUESTEM	2" PLUGS	12" O.C. SPACING *	PROVIDE 2" WATERING PER WEEK 6 MONTHS FROM TRANSPLANT. MATURE HEIGHT 3', MATURE SPREAD 2'
	▨	Solidago sempervirens	SEASIDE GOLDENROD	1 GAL. CONTAINER	6' SPACING *	PROVIDE 2" WATERING PER WEEK 6 MONTHS FROM TRANSPLANT. MATURE HEIGHT 3', MATURE SPREAD 2'
	▒	Ammophila breviligulata	AMERICAN BEACH GRASS	2" PLUGS	12" O.C. SPACING *	PROVIDE 2" WATERING PER WEEK 6 MONTHS FROM TRANSPLANT. MATURE HEIGHT 3', MATURE SPREAD 2'
	░	Baccharis halimifolia	GROUNDSEL BUSH	1 GAL. CONTAINER	6' SPACING CLUSTER 4-5 ON 20' SPACING *	PROVIDE 2" WATERING PER WEEK 6 MONTHS FROM TRANSPLANT. MATURE HEIGHT 15', MATURE SPREAD 12'
	░	Iva frutescens	MARSH ELDER	1 GAL. CONTAINER	4' SPACING *	PROVIDE 2" WATERING PER WEEK 6 MONTHS FROM TRANSPLANT. MATURE HEIGHT 6', MATURE SPREAD 6'
	░	Spartina patens	SALT HAY	2" PLUGS	12" O.C. SPACING *	PROVIDE 2" WATERING PER WEEK 6 MONTHS FROM TRANSPLANT. MATURE HEIGHT 5'
	░	Spartina alterniflora	SMOOTH CORDGRASS	2" PLUGS	12" O.C. SPACING *	PROVIDE 2" WATERING PER WEEK 6 MONTHS FROM TRANSPLANT. MATURE HEIGHT 2'
		Panicun virgatum	SWITCHGRASS	SEED	SEEDED AT 15 LBS/ACRE	PROVIDE 2" WATERING PER WEEK 6 MONTHS FROM TRANSPLANT. MATURE HEIGHT 2'

* SEE ADDITIONAL PLANTING NOTES THIS SHEET

Landscape Notes

Notes:

1. ANY AREAS BELOW EL. 1.5 UNDER/NEAR THE RESTAURANT/DECK AWNING TO BE REMOVED TO BE PLANTED WITH SMOOTH CORDGRASS UNDER THE FOLLOWING SPECIFICATION.
   SMOOTH CORDGRASS (*SPARTINA ALTERNIFLORA*): 2" PLUGS ON 12" CENTERS. PLANT BETWEEN APRIL 15 AND JUNE 15.
2. ANY AREAS BETWEEN EL. 1.5 AND 3.0 UNDER/NEAR THE RESTAURANT/DECK AWNING TO BE REMOVED TO BE PLANTED WITH SALT HAY (*SPARTINA PATENS*) UNDER THE FOLLOWING SPECIFICATIONS.

   SALT HAY (*SPARTINA PATENS*): 2" PLUGS ON 12" CENTERS. PLANT BETWEEN APRIL 15 AND JUNE 15.

3. ANY AREAS BETWEEN EL 3.0 AND 4.0 UNDER/NEAR THE RESTAURANT/DECK AWNING TO BE REMOVED TO BE PLANTED WITH MARSH ELDER (*IVA FRUTESCENS*) UNDER THE FOLLOWING SPECIFICATIONS.

   MARSH ELDER (*IVA FRUTESCENS*): 1 GALLON CONTAINER ON 4' SPACING. PLANT BETWEEN APRIL 1 TO MAY 15

4. ANY UPLANDS AREAS BETWEEN EL. 4.0 AND 6.0 TO BE PLANTED WITH AMERICAN BEACH GRASS, SEASIDE GOLDENROD UNDER THE FOLLOWING SPECIFICATIONS. CLUSTERS OF GROUNDSEL BUSH (4-5 SHRUBS ON 6' CENTERS) TO BE PLANTED WITHIN THIS ZONE ON THE DUG CANAL SHORELINE OR BORDERING THE WETLANDS TO THE EAST.

   AMERICAN BEACH GRASS (*AMMOPHILA BREVILIGULATA*) AND SEASIDE GOLDENROD (*SOLIDAGO SEMPERVIRENS*): 2" PLUGS ON 12" CENTERS. PLANT BETWEEN APRIL 15 AND JUNE 15. 3:1 RATIO OF PLANTED *AMMOPHILA:SOLIDAGO*

   GROUNDSEL BUSH (*BACCHARIS HALIMIFOLIA*): 1 GALLON CONTAINERS ON 6' SPACING IN CLUSTERS OF 4-5 SHRUBS. CLUSTERS ON 20' SPACING. PLANT BETWEEN APRIL 1 TO MAY 15 OR SEPTEMBER 15 TO OCTOBER 30.

5. ANY UPLAND AREAS ABOVE EL. 6 TO BE PLANTED WITH AMERICAN BEACH GRASS, LITTLE BLUESTEM, AND SEASIDE GOLDENROD WITH SINGLE-SPECIES SHRUB CLUSTERS (COMPRISED OF BAYBERRY OR BEACH PLUM). SHRUB CLUSTERS COMPRISED OF 8-9 SHRUBS ON 6' SPACING.

   AMERICAN BEACH GRASS (*AMMOPHILA BREVILIGULATA*), LITTLE BLUESTEM (SCHIZACHYRIUM SCOPARIUM), AND SEASIDE GOLDENROD (*SOLIDAGO SEMPERVIRENS*): 2" PLUGS ON 12" CENTERS. PLANT BETWEEN APRIL 15 AND JUNE 15. 2:2:1 RATIO OF PLANTED *AMMOPHILA: SCHIZACHYRIUM:SOLIDAGO*

   BAYBERRY (*MORELLA PENSYLVANICA*) OR BEACH PLUM (*PRUNUS MARITIMA*): 2 GALLON CONTAINERS ON 6' SPACING IN CLUSTERS OF 8-9 SHRUBS. CLUSTERS ON 30' SPACING. PLANT BETWEEN APRIL 1 TO MAY 15 OR SEPTEMBER 15 TO OCTOBER 30

N Y S D E C
APPROVED AS PER TERMS
AND CONDITIONS OF
PERMIT NO [illegible]
DATE

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P.W. GROSSER CONSULTING ENGINEER AND HYDROGEOLOGIST, P.C.
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Bohemia • NY • 11716-2618
Phone: (631) 589-6353 • Fax: (631) 589-8705
E-mail: INFO@PWGROSSER.COM

CONSULTANTS

7		
6		
5		
4		
3		
2		
1	REVISED GRASS AREAS AND PATH	03/23/2020

SP
SP 11/08/18
BAG AS NOTED

94 DUNE ROAD HOLDING CORP.
PO BOX 681
EAST QUOGUE, NY

94 DUNE ROAD

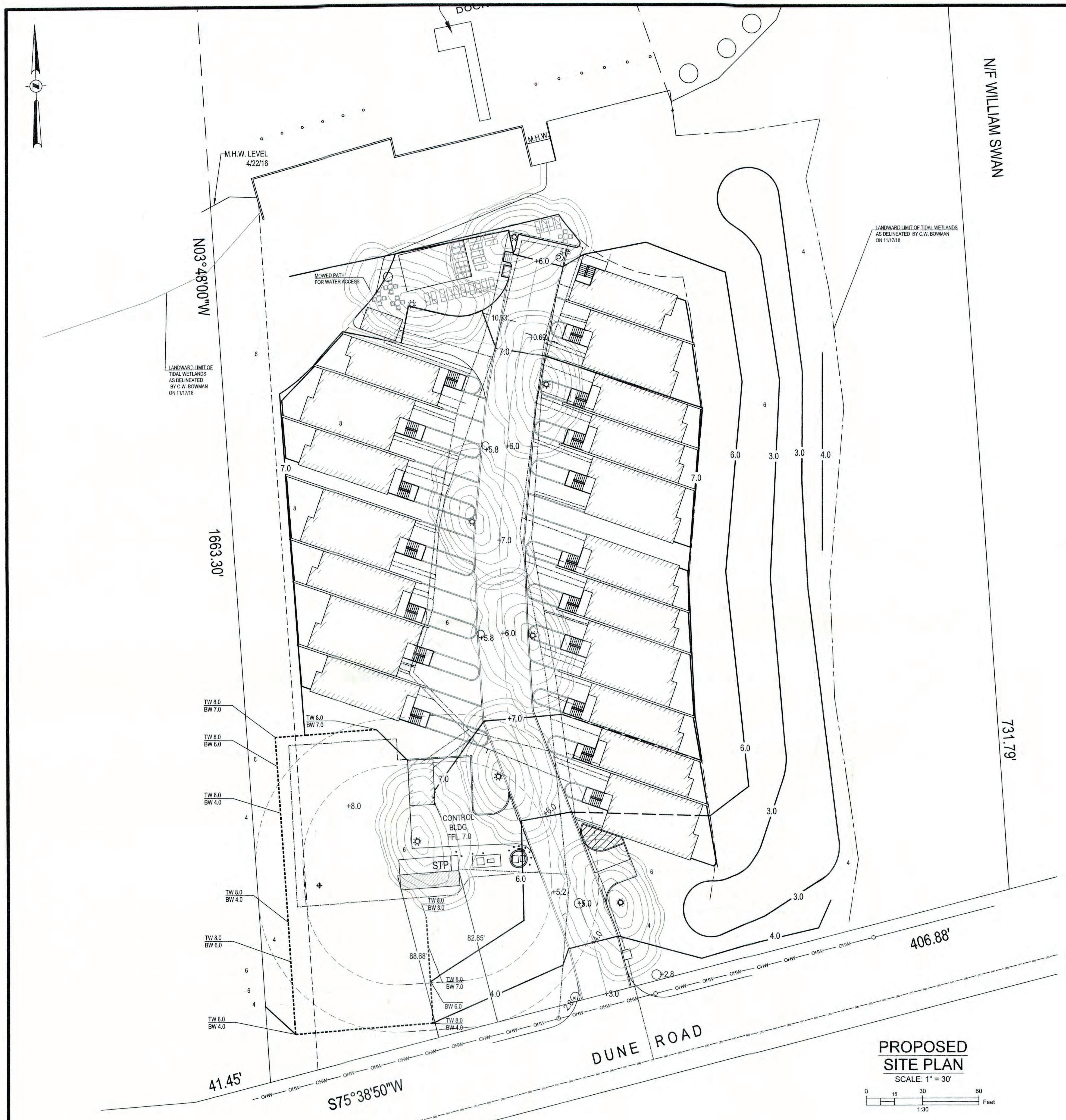
SITE PLAN

94 DUNE ROAD
EAST QUOGUE, TOWN OF SOUTHAMPTON
SUFFOLK COUNTY, NY

900-385-01-37.3 DRH
SH-XXXX

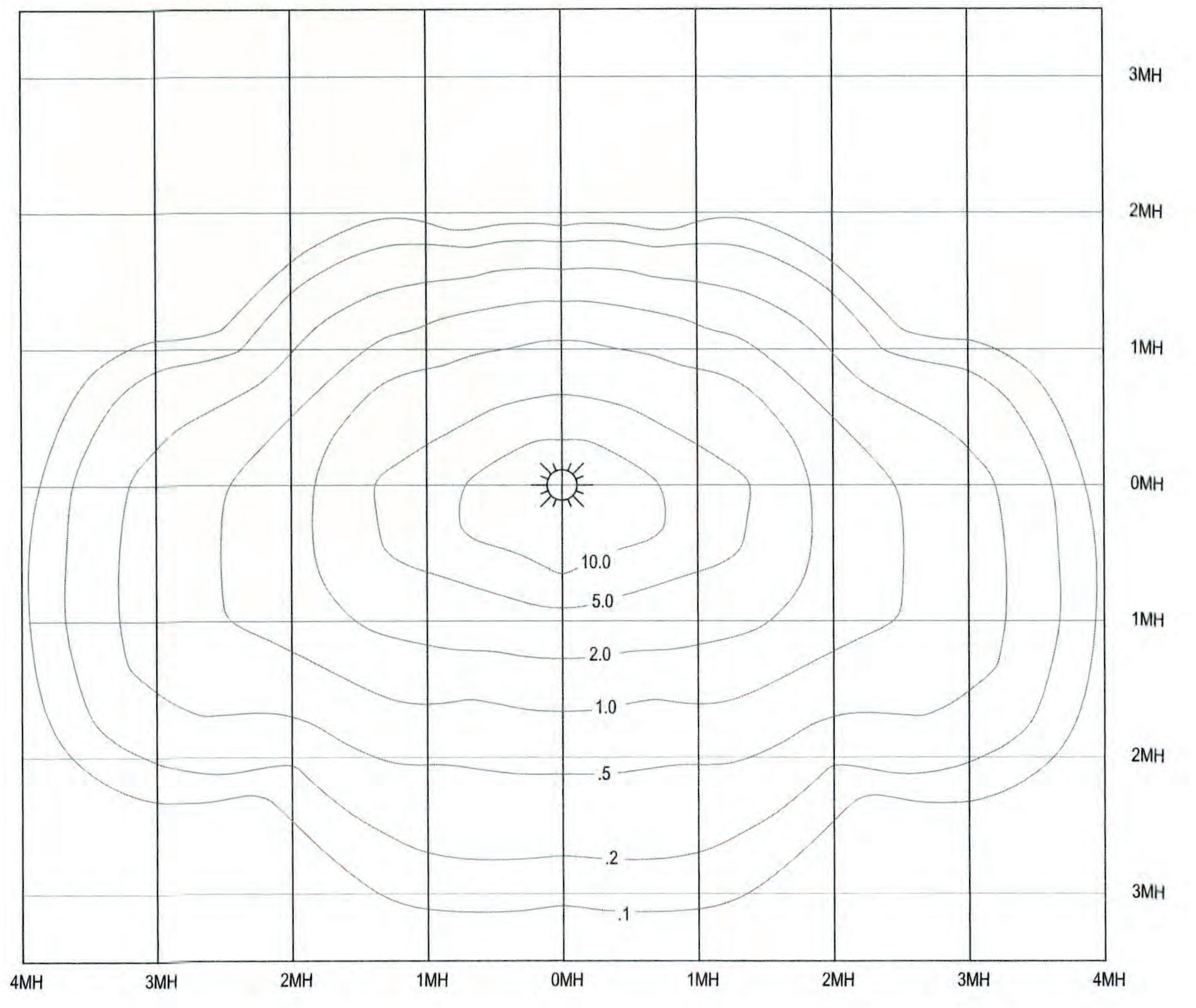
LANDSCAPE SITE PLAN

C-006


N/F WILLIAM SWAN
M.H.W. LEVEL 4/22/16
M.H.W.
LANDWARD LIMIT OF TIDAL WETLANDS AS DELINEATED BY C.W. BOWMAN ON 11/17/18
LANDWARD LIMIT OF TIDAL WETLANDS AS DELINEATED BY C.W. BOWMAN ON 11/17/18
MOWED PATH FOR WATER ACCESS
N03°48'00"W
1663.30'
731.79'
406.88'
41.45'
S75°38'50"W
DUNE ROAD
CONTROL BLDG. FFL 7.0
STP
TW 8.0 BW 7.0
TW 8.0 BW 6.0
TW 8.0 BW 4.0
TW 8.0 BW 4.0
TW 8.0 BW 6.0
TW 8.0 BW 4.0
82.85'
88.68'
OHW

PROPOSED SITE PLAN

SCALE: 1" = 30'



10' HIGH POLE LIGHT PHOTOMETRICS

SCALE: 1"=10'

NOTES

1. DIRECT BURIAL CABLE 6" OR 12" BEHIND EDGE OF PAVEMENT THROUGHOUT AND AT A DEPTH OF 2'-0" BELOW FINAL GRADE.

2. CABLE IN PVC OR GALV. IRON ELECTRIC CONDUIT WHERE CABLES CROSS WALKS OR DRIVEWAYS, SIZED AS INDICATED AND 2'-0" BELOW FINISHED GRADE, AND AT LEAST 2'-0" BEYOND EACH WALK OR PAVEMENT EDGE.

3. HIGH PRESSURE SODIUM, 100 WATT FIXTURES AND POLES AS SPECIFIED.

4. LARGE DIAMETER CABLES ARE REQUIRED TO MAINTAIN NO MORE THAN 3% VOLTAGE DROP AT EACH FIXTURE.

5. SPLICING OF VARIOUS SIZE CABLES SHALL BE DONE IN BASE OF POLE AND SPLICES SHALL BE WATERPROOF.

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AND CONDITIONS OF
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CONSULTANTS

7		
6		
5		
4		
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1	REVISED GRASS AREAS AND PATH	03/23/2020

SP
SP 11/08/18
BAG AS NOTED

94 DUNE ROAD HOLDING CORP.
PO BOX 681
EAST QUOGUE, NY

94 DUNE ROAD

SITE PLAN

94 DUNE ROAD
EAST QUOGUE, TOWN OF SOUTHAMPTON
SUFFOLK COUNTY, NY

900-385-01-37.3 DRH
SH-XXXX

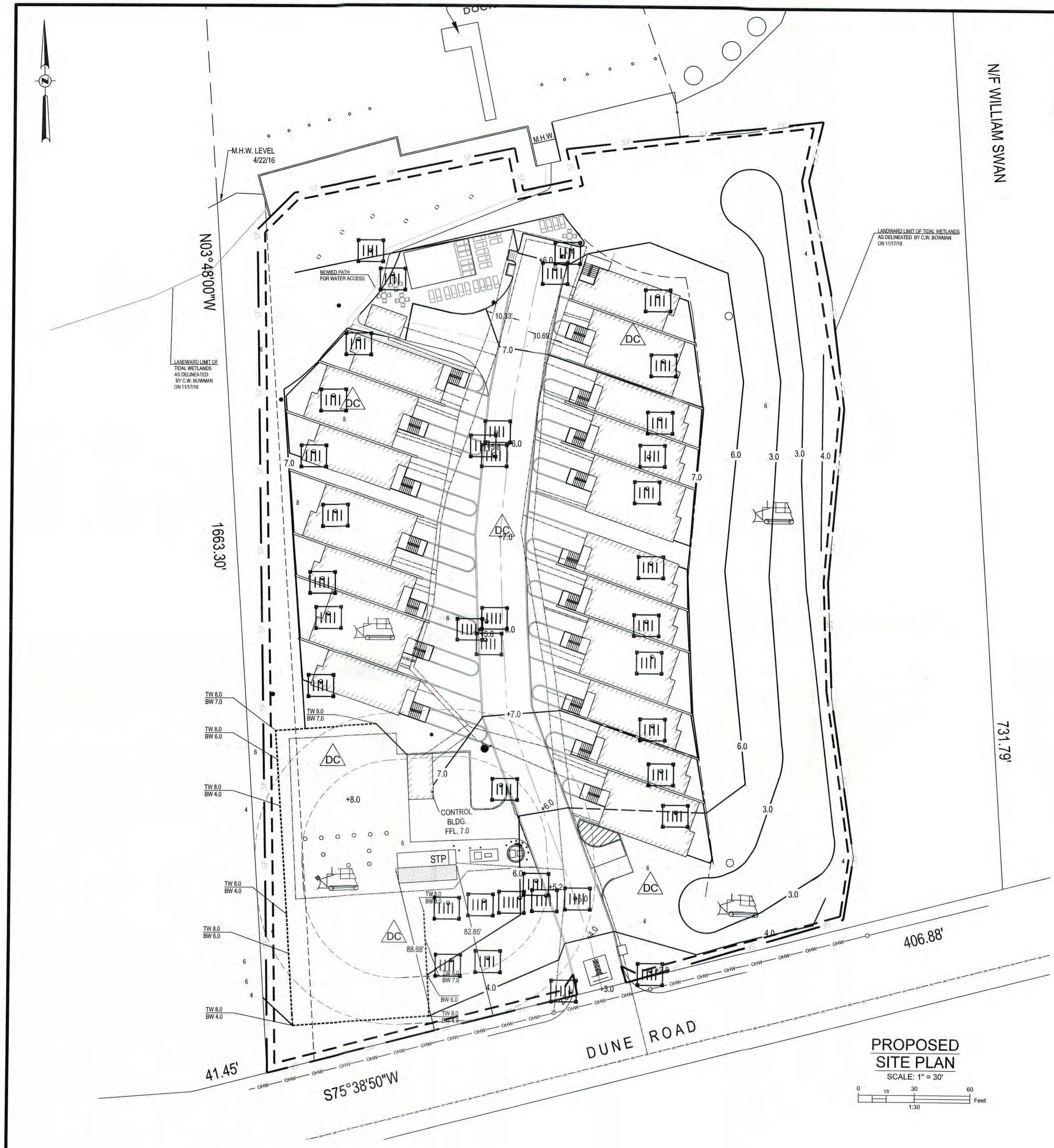
LIGHTING SITE PLAN

4/9/2020

C-007

8 OF 12

PWGC FILE NAME: C:\Users\cunha\Desktop\dockers\File Set 03-24-20.dwg (LHT - C-007 (8))
PLOT DATE/TIME: Mar 31, 2020-1:07pm By: CUNHA



PROPOSED SITE PLAN

SCALE: 1" = 30'

0 15 30 60 Feet
1:30

Erosion and Sediment Control Legend

Proposed Protection Elements	Notes
— — — — — —	STRAW BALES
——— SF ———	SILT FENCE
▥	FILTER FABRIC DROP INLET PROTECTION
	LANDGRADING AREAS
▨	STABILIZED CONSTRUCTION ENTRANCE
△DC	DUST CONTROL

Erosion Control Measures

Sediment and Erosion Control Notes

1. THE PROPOSED EROSION CONTROL MEASURES SHOWN ON THIS PLAN SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION. ADDITIONAL EROSION CONTROLS MAY BE NECESSARY, BASED UPON FIELD CONDITIONS THAT MAY DEVELOP AS CONSTRUCTION PROGRESSES AND AS MAY BE REQUIRED BY THE OWNER OR DESIGNATED OWNERS REPRESENTATIVE. THE FOLLOWING GENERAL CONDITIONS SHALL BE OBSERVED.
   - A. ANY EXISTING VEGETATION NOT SCHEDULED FOR REMOVAL SHALL BE PROTECTED AND REMAIN UNDISTURBED.
   - B. CLEARING AND GRADING SHALL BE SCHEDULED SO AS TO MINIMIZE THE SIZE OF EXPOSED AREAS AND THE LENGTH OF TIME THAT AREAS ARE EXPOSED.
   - C. THE LENGTH AND STEEPNESS OF CLEARED SLOPES SHALL BE MINIMIZED TO REDUCE RUNOFF VELOCITIES AND QUANTITIES.
   - D. RUNOFF SHALL BE DIVERTED AWAY FROM CLEARED SLOPES.
   - E. SEDIMENT SHALL BE TRAPPED ON THE SITE.

SPECIFIC METHODS AND MATERIALS EMPLOYED IN THE INSTALLATION AND MAINTENANCE OF EROSION CONTROL MEASURES SHALL CONFORM TO THE "NEW YORK STATE STANDARD AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL, LATEST EDITION".

2. SEDIMENT BARRIERS (SILT FENCE, HAY BALES OR APPROVED EQUAL) SHALL BE INSTALLED PRIOR TO ANY GRADING WORK ALONG THE LIMITS OF DISTURBANCE AND SHOULD BE MAINTAINED FOR THE DURATION OF THE WORK. NO SEDIMENT FROM THE SITE SHALL BE PERMITTED TO WASH ONTO ADJACENT PROPERTIES, WETLANDS OR ROADS.

3. ALL DRAINAGE INLETS SHALL BE PROTECTED FROM SEDIMENT BUILDUP THROUGH THE USE OF SEDIMENT BARRIERS, SEDIMENT TRAPS, ETC., AS REQUIRED.

4. PROPER MAINTENANCE OF EROSION CONTROL STRUCTURES IS TO BE PERFORMED BY PERIODIC INSPECTION AND AFTER HEAVY OR PROLONGED STORMS. MAINTENANCE MEASURES INCLUDE, BUT ARE NOT LIMITED TO, CLEANING OF SEDIMENT BASINS OR TRAPS, CLEANING OR REPAIR OF SEDIMENT BARRIERS, CLEANING AND REPAIR OF BERMS AND DIVERSIONS AND CLEANING AND REPAIR OF INLET PROTECTION.

5. APPROPRIATE MEANS SHALL BE USED TO CONTROL DUST DURING CONSTRUCTION.

6. A STABILIZED CONSTRUCTION ENTRANCE SHALL BE MAINTAINED TO PREVENT SOIL AND LOOSE DEBRIS FROM BEING TRACKED ONTO LOCAL ROADS. THE CONSTRUCTION ENTRANCE SHALL BE MAINTAINED UNTIL THE SITE IS PERMANENTLY STABILIZED.

Civil Site Notes

Landscaping

1. ALL PLANTS SHALL MEET OR EXCEED THE MINIMUM REQUIREMENTS AS NOTED IN THE LATEST EDITION OF THE AMERICAN STANDARD FOR NURSERY STOCK BY THE AMERICAN ASSOCIATION OF NURSERYMEN, ANSI Z60.1.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HIS OWN QUANTITY TAKEOFF.

3. CONTRACTOR SHALL STAKEOUT PLANTINGS FOR ENGINEERS AND/OR LANDSCAPE ARCHITECT'S APPROVAL PRIOR TO BEGINNING WORK.

4. SHOULD LOCATION OF TREES BE WITHIN 5' OF UNDERGROUND UTILITIES RELOCATE SAID TREES TO MIN. 5' FROM BALL TO UTILITIES.

5. SHOULD LOCATION OF TREES BE WITHIN 20' OF OVERHEAD UTILITIES, RELOCATE SAID TREES TO MIN. 20' TO WIRES. TREES WILL BE PLACED ON UNDISTURBED EARTH AND BACKFILL WILL CONTAIN AT LEAST 50 PERCENT OF THE SOIL TAKEN OUT OF THE PLANTING HOLE, TO PROMOTE GROWTH IN THE SURROUNDING SOIL.

6. ALL BEDS SHALL BE MULCHED WITH 4 INCHES OF FINE SHREDDED BARK MULCH AND SHALL BE KEPT AWAY FROM THE IMMEDIATE BASE OF TREES AND SHRUBS.

7. LANDSCAPING SHALL BE MAINTAINED IN HEALTHY AND VIGOROUS GROWING CONDITION. PLANTS THAT FAIL SHALL BE REPLACED WITH PLANTS OF COMPARABLE SIZE AND TYPE AT THE BEGINNING OF THE NEXT GROWING SEASON TO MAINTAIN PLANT DENSITIES AND SPECIES MIX.

8. PLANTING OF DECIDUOUS TREES AND SHRUBS SHALL OCCUR BETWEEN APRIL 1 TO JUNE 1 AND OCTOBER 15 TO DECEMBER 15. PLANTING OF EVERGREEN TREES AND SHRUBS SHALL OCCUR BETWEEN APRIL 1 TO JUNE 1 AND SEPTEMBER 1 TO NOVEMBER 15.

9. IF PLANTING AND/OR SEEDING IS IMPRACTICAL DUE TO TIME OF YEAR, TEMPORARY MULCH MUST BE APPLIED UNTIL FAVORABLE WEATHER CONDITIONS PERMIT GERMINATION AND GROWTH, BUT NO MORE THAN 6 MONTHS AFTER PROJECT COMPLETION.

10. ALL PLANTING BEDS SHALL BE CULTIVATED TO A DEPTH OF 8 INCHES AND RAKED TO REMOVE SOD CLUMPS, WEEDS, STONES AND OTHER FOREIGN MATERIAL EXCEEDING 2 INCHES IN DIAMETER. IMMEDIATELY AFTER PLANTING, WRAP DECIDUOUS TREES TRUNKS FROM BASE TO FIRST LIMB WITH 4 INCH WIDE BITUMINOUS IMPREGNATED, INSECT RESISTANT TAPE OR PAPER MANUFACTURED FOR THAT PURPOSE. TIE WITH JUTE AT TOP AND BOTTOM. THE TRUNK WRAP SHALL BE REMOVED ONE YEAR AFTER PLANTING.

11. UPON COMPLETION OF LANDSCAPING WORK, ALL EXCESS SOIL, DEBRIS, ETC. SHALL BE REMOVED FROM THE SITE. THE SITE SHALL BE IRRIGATED. SPRINKLER HEADS AND PLUMBING FIXTURES SHALL NOT ENCROACH UPON ANY RIGHTS-OF-WAY OF THE TOWN OF SOUTHAMPTON.

Civil Site Notes

Erosion Control

1. PRIOR TO STARTING ANY OTHER WORK ON THE SITE, THE CONTRACTOR SHALL NOTIFY APPROPRIATE AGENCIES AND SHALL INSTALL EROSION CONTROL MEASURES AS SHOWN ON THE PLANS AND AS IDENTIFIED IN FEDERAL, STATE, AND LOCAL APPROVAL DOCUMENTS PERTAINING TO THIS PROJECT.

2. CONTRACTOR SHALL INSPECT AND MAINTAIN EROSION CONTROL MEASURES, AND REMOVE SEDIMENT THEREFROM ON A WEEKLY BASIS AND WITHIN TWELVE HOURS AFTER EACH STORM EVENT AND DISPOSE OF SEDIMENTS IN AN UPLAND AREA SUCH THAT THEY DO NOT ENCUMBER OTHER DRAINAGE STRUCTURES AND PROTECTED AREAS.

3. CONTRACTOR SHALL BE FULLY RESPONSIBLE TO CONTROL CONSTRUCTION SUCH THAT SEDIMENTATION SHALL NOT AFFECT REGULATORY PROTECTED AREAS, WHETHER SUCH SEDIMENTATION IS CAUSED BY WATER, WIND, OR DIRECT DEPOSIT.

4. CONTRACTOR SHALL PERFORM CONSTRUCTION SEQUENCING SUCH THAT EARTH MATERIALS ARE EXPOSED FOR A MINIMUM OF TIME BEFORE THEY ARE COVERED, SEEDED, OR OTHERWISE STABILIZED TO PREVENT EROSION.

5. UPON COMPLETION OF CONSTRUCTION AND ESTABLISHMENT OF PERMANENT GROUND COVER, CONTRACTOR SHALL REMOVE AND DISPOSE OF EROSION CONTROL MEASURES AND CLEAN SEDIMENT AND DEBRIS FROM ENTIRE DRAINAGE AND SEWER SYSTEMS.

Grading Notes

Sediment and Erosion Control Grading

1. ALL 1:2 & 1:3 SLOPE AREAS WILL BE PROTECTED AGAINST EROSION DURING CONSTRUCTION AND PERMANENT GROUND COVER SHALL BE SUCH THAT EROSION WILL BE PREVENTED. NECESSARY MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, HAY BALES, AND SILT FENCE, AND SHALL BE MAINTAINED FOR THE DURATION OF CONSTRUCTION AS WELL AS FOLLOWING THE COMPLETION OF CONSTRUCTION UNTIL SUCH TIME THAT THE PROPOSED PLANTINGS HAVE BECOME ACCLIMATED/ESTABLISHED.

N Y S D E C
APPROVED AS PER TERMS
AND CONDITIONS OF
PERMIT NO. 9 of 12
DATE

PWGC
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CONSULTANTS

7		
6		
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1	REVISED GRASS AREAS AND PATH	03/23/2020

SP
SP 11/08/18
BAG AS NOTED

94 DUNE ROAD HOLDING CORP.
PO BOX 681
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94 DUNE ROAD

SITE PLAN

94 DUNE ROAD
EAST QUOGUE, TOWN OF SOUTHAMPTON
SUFFOLK COUNTY, NY

900-385-01-37.3 DRH
SH-XXXX

SEDIMENT AND EROSION CONTROL SITE PLAN

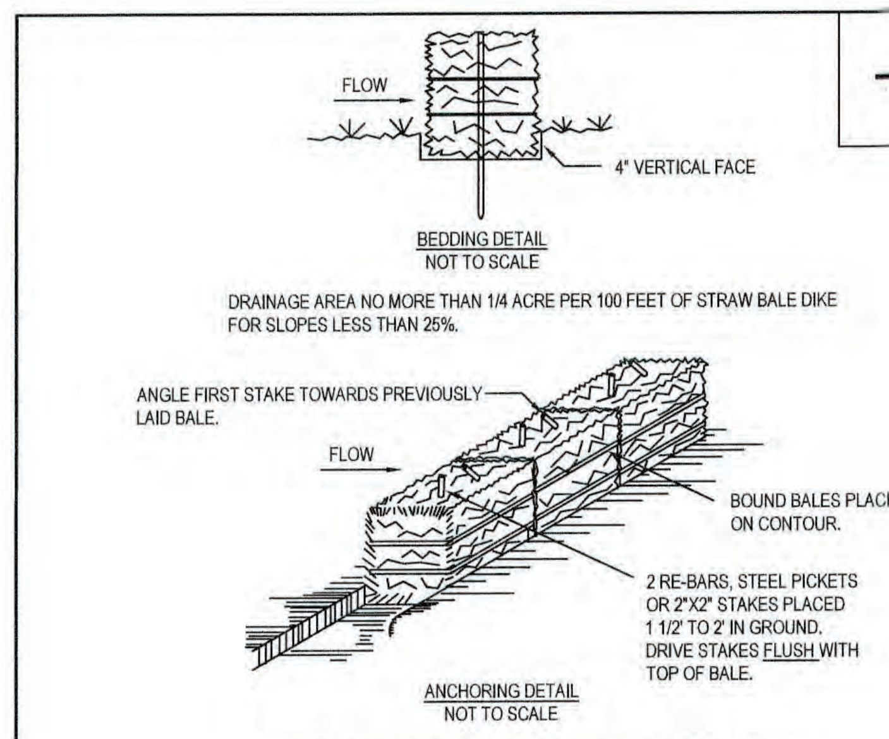
4/9/2020

C-008

9 OF 12

PLOT DATE/TIME: Mar 31, 2020-1:03pm By: CUNHA

SYMBOL



FLOW
4" VERTICAL FACE
BEDDING DETAIL
NOT TO SCALE
ANGLE FIRST STAKE TOWARDS PREVIOUSLY LAID BALE.
FLOW
BOUND BALES PLACED ON CONTOUR.
2 RE-BARS, STEEL PICKETS OR 2"X2" STAKES PLACED 1 1/2' TO 2' IN GROUND. DRIVE STAKES FLUSH WITH TOP OF BALE.
ANCHORING DETAIL
NOT TO SCALE

DRAINAGE AREA NO MORE THAN 1/4 ACRE PER 100 FEET OF STRAW BALE DIKE FOR SLOPES LESS THAN 25%.

CONSTRUCTION SPECIFICATIONS

1. BALES SHALL BE PLACED AT THE TOE OF A SLOPE OR ON THE CONTOUR AND IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
2. EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF (4) INCHES, AND PLACED SO THE BINDINGS ARE HORIZONTAL.
3. BALES SHALL BE SECURELY ANCHORED IN PLACE BY EITHER TWO STAKES OR RE-BARS DRIVEN THROUGH THE BALE. THE FIRST STAKE IN EACH BALE SHALL BE DRIVEN TOWARD THE PREVIOUSLY LAID BALE AT AN ANGLE TO FORCE THE BALES TOGETHER. STAKES SHALL BE DRIVEN FLUSH WITH THE BALE.
4. INSPECTION SHALL BE FREQUENT AND REPAIR REPLACEMENT SHALL BE MADE PROMTLY AS NEEDED.
5. BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULLNESS SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.

U.S. DEPARTMENT OF AGRICULTURE
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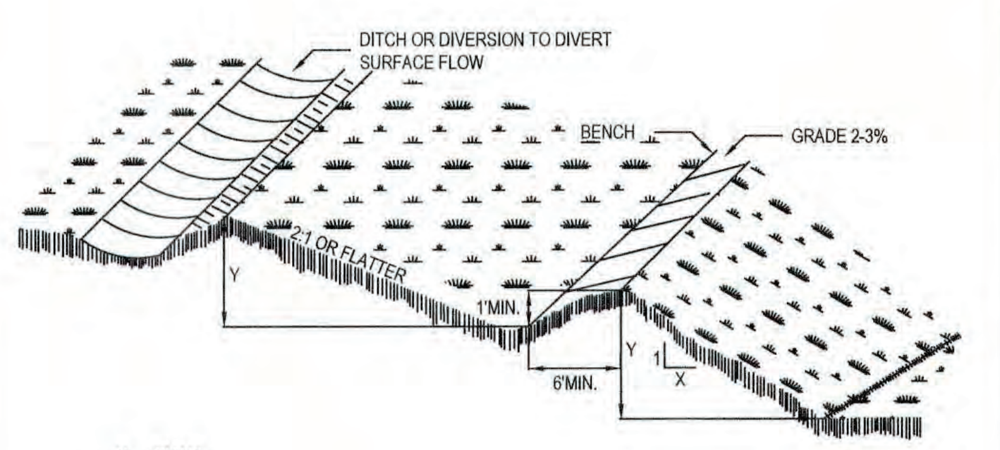
NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE

STRAW BALE DIKE

SYMBOL



DITCH OR DIVERSION TO DIVERT SURFACE FLOW
BENCH
GRADE 2-3%
2:1 OR FLATTER
Y
1'MIN.
6'MIN.
Y
1
X

X	Y(MAX)
2	20'
3	30'
4	40'

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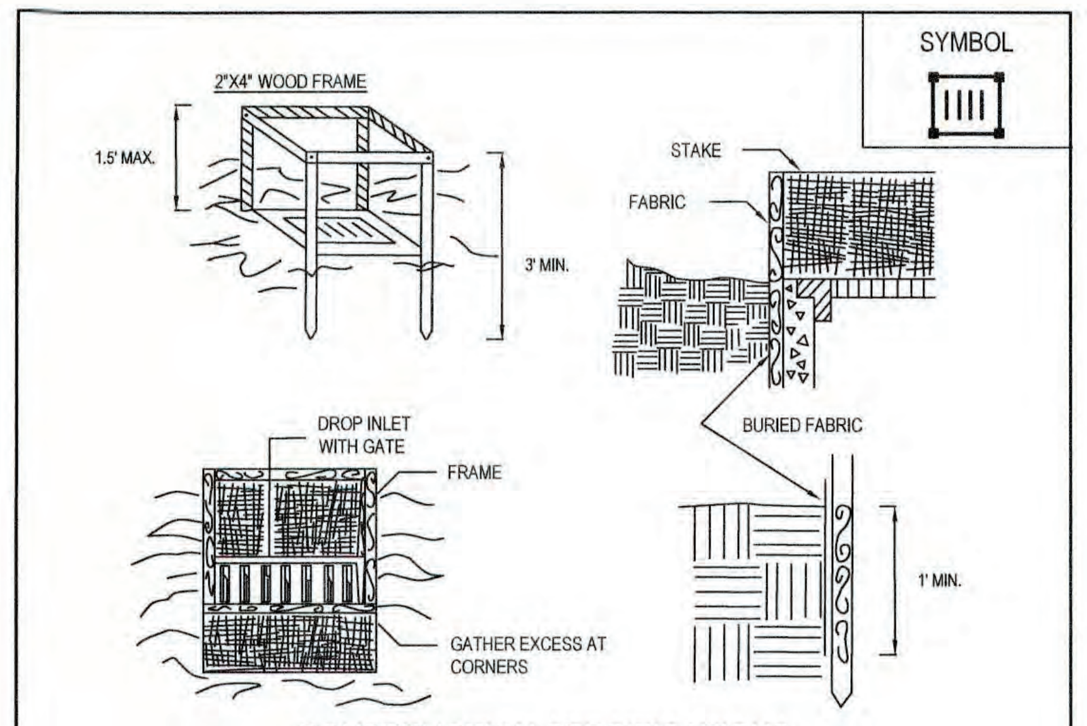
NATURAL RESOURCES CONSERVATION SERVICE
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE

LANDGRADING DETAIL

SYMBOL



2"X4" WOOD FRAME
1.5' MAX.
3' MIN.
STAKE
FABRIC
DROP INLET WITH GATE
FRAME
BURIED FABRIC
1' MIN.
GATHER EXCESS AT CORNERS

CONSTRUCTION SPECIFICATIONS

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

MAXIMUN DRAINAGE AREA 1 ACRE

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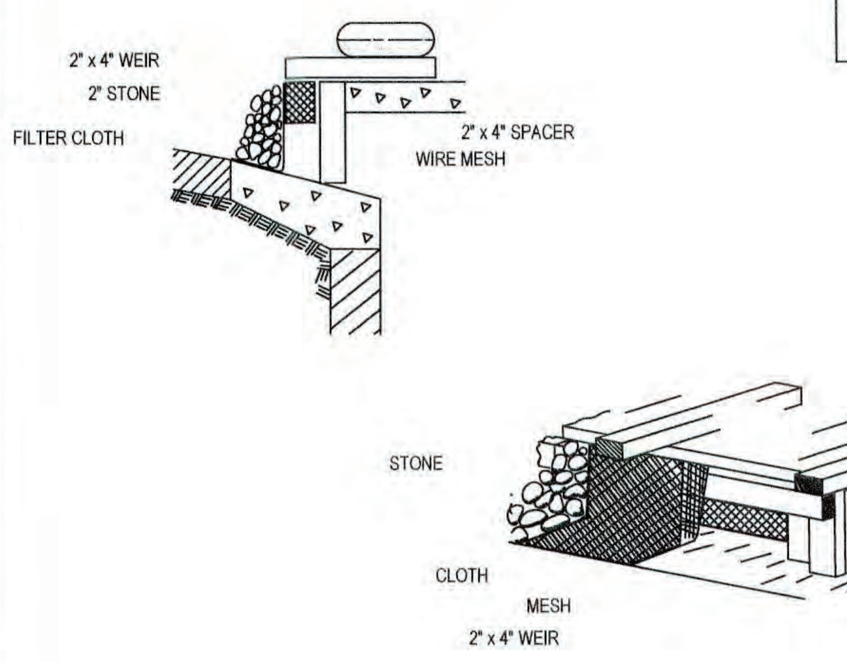
NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE

FILTER FABRIC DROP INLET PROTECTION



2" x 4" WEIR
2" STONE
FILTER CLOTH
2" x 4" SPACER
WIRE MESH
STONE
CLOTH
MESH
2" x 4" WEIR

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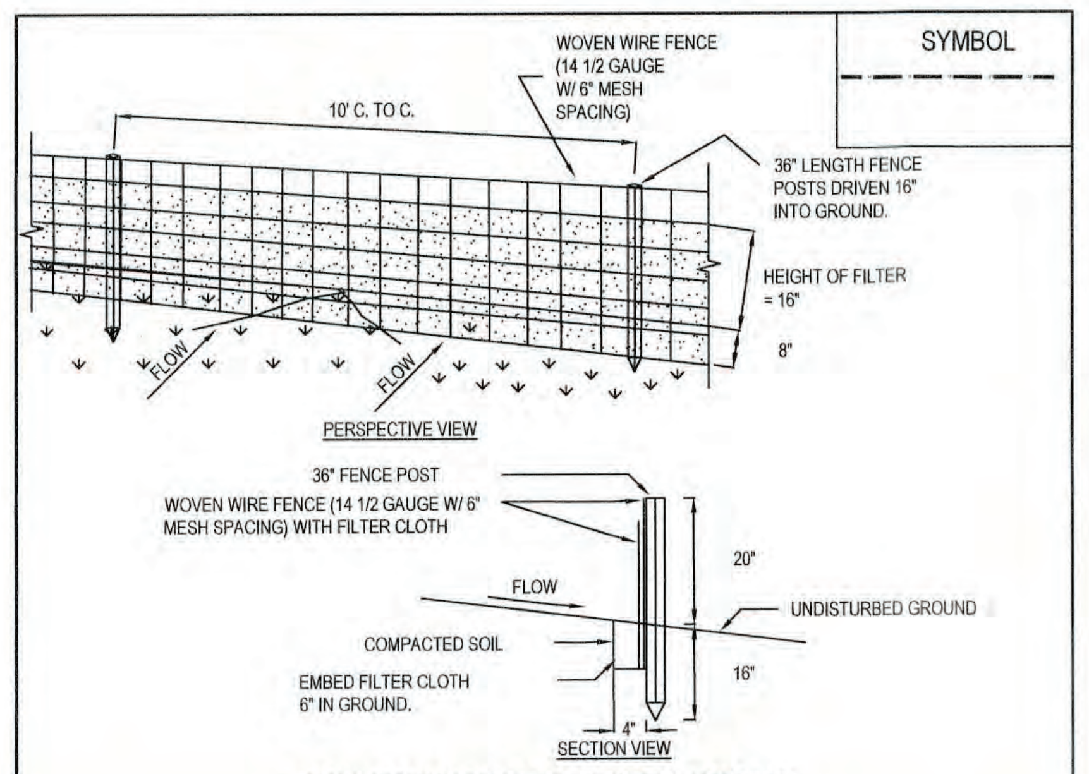
CURB DROP INLET PROTECTION

SYMBOL



WOVEN WIRE FENCE (14 1/2 GAUGE W/ 6" MESH SPACING)
10' C. TO C.
36" LENGTH FENCE POSTS DRIVEN 16" INTO GROUND.
HEIGHT OF FILTER = 16"
8"
FLOW
FLOW
PERSPECTIVE VIEW
36" FENCE POST
WOVEN WIRE FENCE (14 1/2 GAUGE W/ 6" MESH SPACING) WITH FILTER CLOTH
20"
FLOW
UNDISTURBED GROUND
COMPACTED SOIL
EMBED FILTER CLOTH 6" IN GROUND.
16"
4"
SECTION VIEW

CONSTRUCTION SPECIFICATIONS

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD.
2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 12 1/2 GAUGE, 6" MESH OPENING.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUIVALENT.
4. PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

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NATURAL RESOURCES CONSERVATION SERVICE
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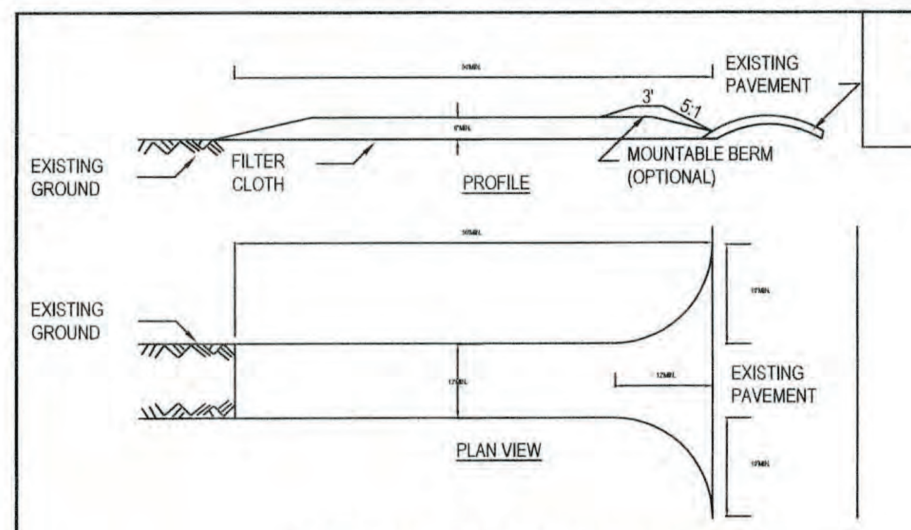
NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE

SILT FENCE

SYMBOL



EXISTING PAVEMENT
MOUNTABLE BERM (OPTIONAL)
EXISTING GROUND
FILTER CLOTH
PROFILE
EXISTING GROUND
EXISTING PAVEMENT
PLAN VIEW

CONSTRUCTION SPECIFICATIONS

1. STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
3. THICKNESS - NOT LESS THAN SIX (6) INCHES.
4. WIDTH - TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY-FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
5. FILTER CLOTH - 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, ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACTED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON A 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.

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STABILIZED CONSTRUCTION ENTRANCE

CONSTRUCTION SPECIFICATIONS

1. ALL GRADED OR DISTURBED AREAS INCLUDING SLOPES SHALL BE PROTECTED DURING CLEARING AND CONSTRUCTION IN ACCORDANCE WITH THE APPROVED SEDIMENT CONTROL PLAN UNTIL THEY ARE PERMANENTLY STABILIZED.
2. ALL SEDIMENT CONTROL PRACTICES AND MEASURES SHALL BE CONSTRUCTED, APPLIED AND MAINTAINED IN ACCORDANCE WITH THE APPROVED SEDIMENT CONTROL PLAN AND THE "STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL IN DEVELOPING AREAS".
3. TOPSOIL REQUIRED FOR THE ESTABLISHMENT OF VEGETATION SHALL BE STOCKPILED IN AMOUNT NECESSARY TO COMPLETE FINISHED GRADING OF ALL EXPOSED AREAS.
4. AREAS TO BE FILLED SHALL BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS OR OTHER OBJECTIONABLE MATERIAL.
5. AREAS WHICH ARE TO BE TOPSOILED SHALL BE SCARIFIED TO A MINIMUM DEPTH OF FOUR INCHES PRIOR TO PLACEMENT OF TOPSOIL.
6. ALL FILLS SHALL BE COMPACTED AS REQUIRED TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, SUBSIDENCE OR OTHER RELATED PROBLEMS. FILL INTENDED TO SUPPORT BUILDINGS, STRUCTURES AND CONDUITS, ETC. SHALL BE COMPACTED IN ACCORDANCE WITH LOCAL REQUIREMENTS OR CODES.
7. ALL FILL TO BE PLACED AND COMPACTED IN LAYERS NOT TO EXCEED 9 INCHES IN THICKNESS.
8. EXCEPT FOR APPROVED LANDFILLS, FILL MATERIAL SHALL BE FREE OF FROZEN PARTICLES, BRUSH, ROOTS, SOD, OR OTHER FOREIGN OR OTHER OBJECTIONABLE MATERIALS THAT WOULD INTERFERE WITH OR PREVENT CONSTRUCTION OF SATISFACTORY FILLS.
9. FROZEN MATERIALS OR SOFT, MUCKY OR HIGHLY COMPRESSIBLE MATERIALS SHALL NOT BE INCORPORATED IN FILLS.
10. FILL SHALL NOT BE PLACED ON SATURATED OR FROZEN SURFACES.
11. ALL BENCHES SHALL BE KEPT FREE OF SEDIMENT DURING ALL PHASES OF DEVELOPMENT.
12. SEEPS OR SPRINGS ENCOUNTERED DURING CONSTRUCTION SHALL BE HANDLED IN ACCORDANCE WITH THE STANDARD AND SPECIFICATION FOR SUBSURFACE DRAIN OR OTHER APPROVED METHOD.
13. ALL GRADED AREAS SHALL BE PERMANENTLY STABILIZED IMMEDIATELY FOLLOWING FINISHED GRADING.
14. STOCKPILES, BORROW AREAS AND SPOIL AREAS SHALL BE SHOWN ON THE PLANS AND SHALL BE SUBJECT TO THE PROVISIONS OF THIS STANDARD AND SPECIFICATION.

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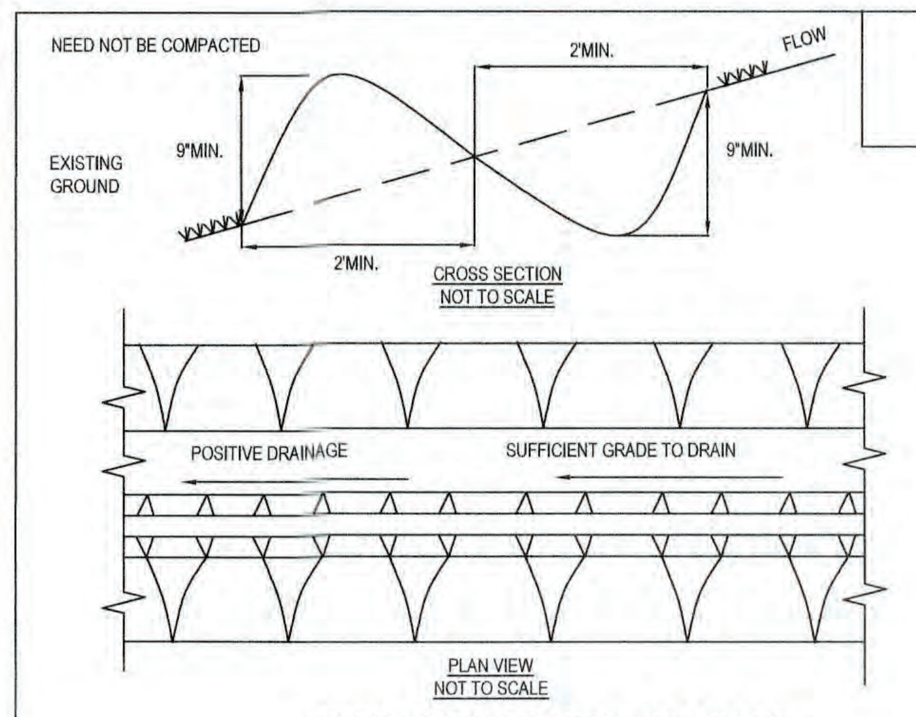
LANDGRADING SPECIFICATIONS

PD



NEED NOT BE COMPACTED
2'MIN.
FLOW
EXISTING GROUND
9"MIN.
9"MIN.
2'MIN.
CROSS SECTION
NOT TO SCALE
POSITIVE DRAINAGE
SUFFICIENT GRADE TO DRAIN
PLAN VIEW
NOT TO SCALE

CONSTRUCTION SPECIFICATIONS

1. ALL PERIMETER DIKE/SWALE SHALL HAVE UNINTERRUPTED POSITIVE GRADE TO AN OUTLET.
2. DIVERTED RUNOFF FROM A DISTURBED AREA SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE.
3. DIVERTED RUNOFF FROM AN UNDISTURBED AREA SHALL OUTLET INTO AN UNDISTURBED STABILIZED AREA AT NON-EROSION VELOCITY.
4. THE SWALE SHALL BE EXCAVATED OR SHAPED TO LINE GRADE, AND CROSS SECTION AS REQUIRED TO MEET THE CRITERIA SPECIFIED IN THE STANDARD.
5. STABILIZATION OF THE AREA DISTURBED BY THE DIKE AND SWALE SHALL BE DONE IN ACCORDANCE WITH THE STANDARD AND SPECIFICATIONS FOR TEMPORARY SEEDING AND MULCHING, AND SHALL BE DONE WITHIN 10 DAYS.
6. PERIODIC INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED AFTER EACH RAIN EVENT.

MAX. DRAINAGE AREA LIMIT: 2 ACRES

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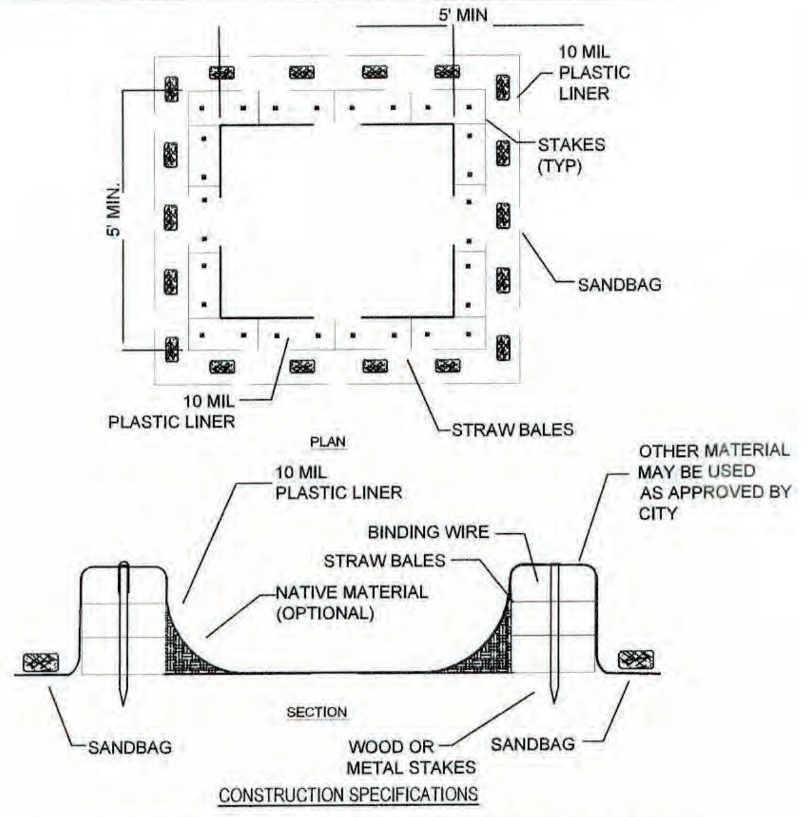
PERIMETER DIKE OR SWALE

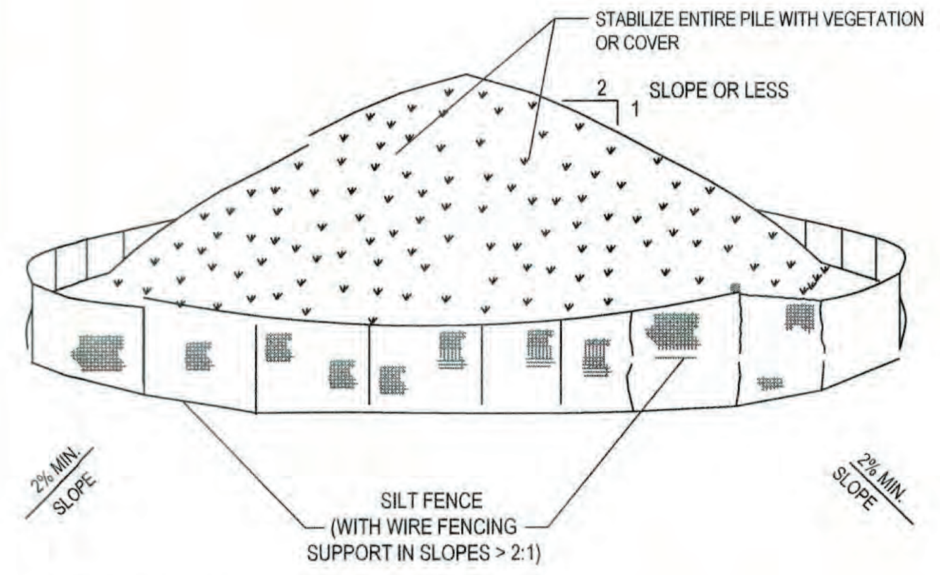


5' MIN
10 MIL PLASTIC LINER
STAKES (TYP)
5' MIN.
SANDBAG
10 MIL PLASTIC LINER
STRAW BALES
PLAN
10 MIL PLASTIC LINER
OTHER MATERIAL MAY BE USED AS APPROVED BY CITY
BINDING WIRE
STRAW BALES
NATIVE MATERIAL (OPTIONAL)
SECTION
SANDBAG
WOOD OR METAL STAKES
SANDBAG

CONSTRUCTION SPECIFICATIONS

1. NO WASHING OUT OF CONCRETE TRUCKS OR WASHING OF SWEEPINGS FROM EXPOSED AGGREGATE CONCRETE INTO STORM DRAINS, OPEN DITCHES, STREETS, OR STREAMS IS ALLOWED.
2. EXCESS CONCRETE IS NOT ALLOWED TO BE DUMPED ON-SITE, EXCEPT IN DESIGNATED TEMPORARY CONCRETE WASHOUT PIT AREAS.
3. ON-SITE TEMPORARY CONCRETE WASHOUT AREAS WILL BE LOCATED AT LEAST 50 FEET FROM STORM DRAINS, OPEN DITCHES, OR WATER BODIES AS DETERMINED IN THE FIELD.
4. TEMPORARY CONCRETE WASHOUT FACILITIES WILL BE CONSTRUCTED AND MAINTAINED IN SUFFICIENT QUANTITY AND SIZE TO CONTAIN ALL LIQUID AND CONCRETE WASTE GENERATED BY WASHOUT OPERATIONS.
5. WASHOUT FACILITIES WILL BE CLEANED OUT OR REPLACED ONCE THE WASHOUT IS 75% FULL.
6. PLASTIC LINING MATERIAL WILL BE MINIMUM OF 10 MIL POLYETHYLENE SHEETING AND WILL BE FREE OF HOLES, TEARS, OR OTHER DEFECTS.
7. WHEN WASHOUT FACILITIES ARE NO LONGER REQUIRED FOR WORK, THE HARDENED CONCRETE WILL BE REMOVED AND DISPOSED OF OFFSITE. MATERIALS USED TO CONSTRUCT TEMPORARY CONCRETE WASHOUT FACILITIES WILL BE REMOVED FROM THE SITE AND DISPOSED OF.

CONCRETE WASHOUT DETAIL

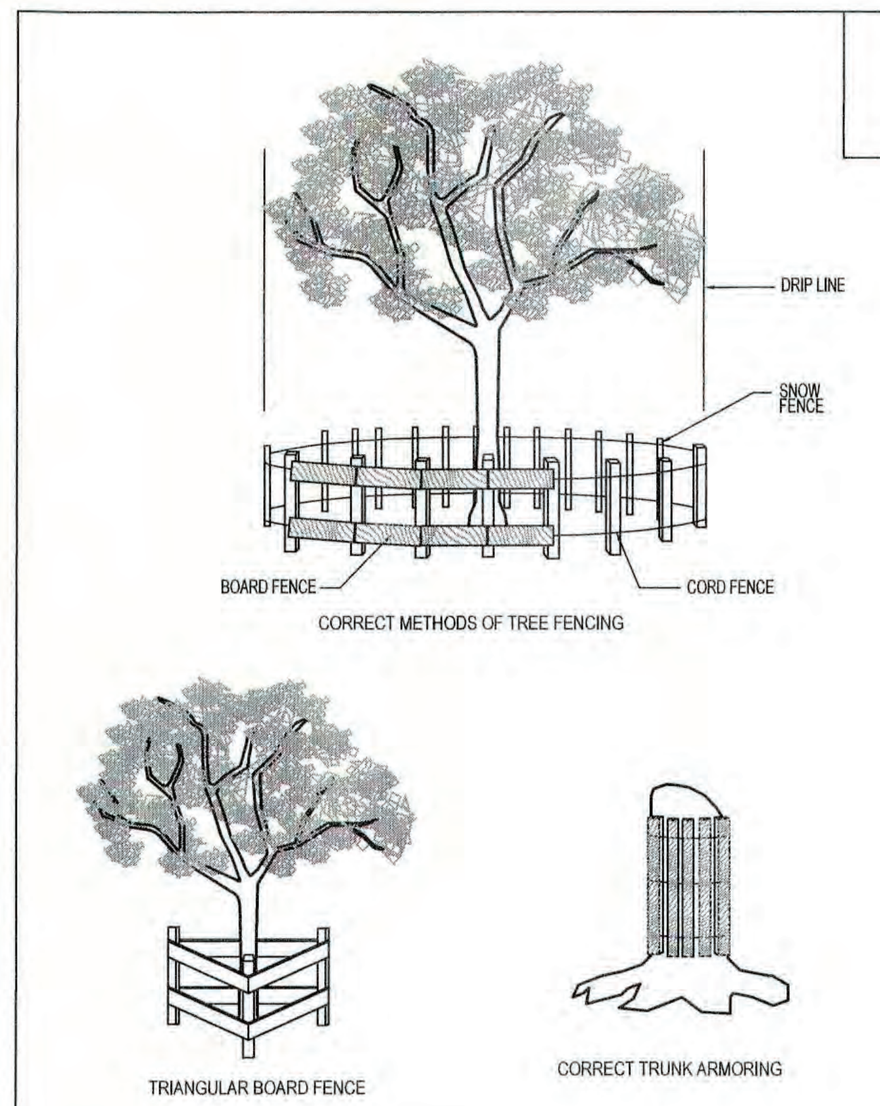


STABILIZE ENTIRE PILE WITH VEGETATION OR COVER
2
1
SLOPE OR LESS
2% MIN. SLOPE
2% MIN. SLOPE
SILT FENCE (WITH WIRE FENCING SUPPORT IN SLOPES > 2:1)

INSTALLATION NOTES

1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 2:1.
3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH EITHER SILT FENCING OR STRAWBALES, THEN STABILIZED WITH VEGETATION OR COVERED.
4. SEE SILT FENCE DETAIL ABOVE.

SOIL STOCK PILE DETAIL



DRIP LINE
SNOW FENCE
BOARD FENCE
CORD FENCE
CORRECT METHODS OF TREE FENCING
TRIANGULAR BOARD FENCE
CORRECT TRUNK ARMORING

TEMPORARY TREE FENCING DETAIL

PWGC
CLIENT DRIVEN SOLUTIONS

P.W. GROSSER CONSULTING ENGINEER AND HYDROGEOLOGIST, P.C.
630 Johnson Avenue. • Suite 7
Bohemia • NY • 11716-2618
Phone: (631) 589-6353 • Fax: (631) 589-8705
E-mail: INFO@PWGROSSER.COM

CONSULTANTS

7		
6		
5		
4		
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2		
1	REVISED GRASS AREAS AND PATH	03/23/2020

AY 4/18/2019
BAG AS NOTED

94 DUNE ROAD HOLDING CORP.
PO BOX 681
EAST QUOGUE, NY

94 DUNE ROAD

SITE PLAN

94 DUNE ROAD
EAST QUOGUE, TOWN OF SOUTHAMPTON
SUFFOLK COUNTY, NY

900-385-01-37.3 DRH
SH-XXXX

EROSION AND SEDIMENT CONTROL DETAILS

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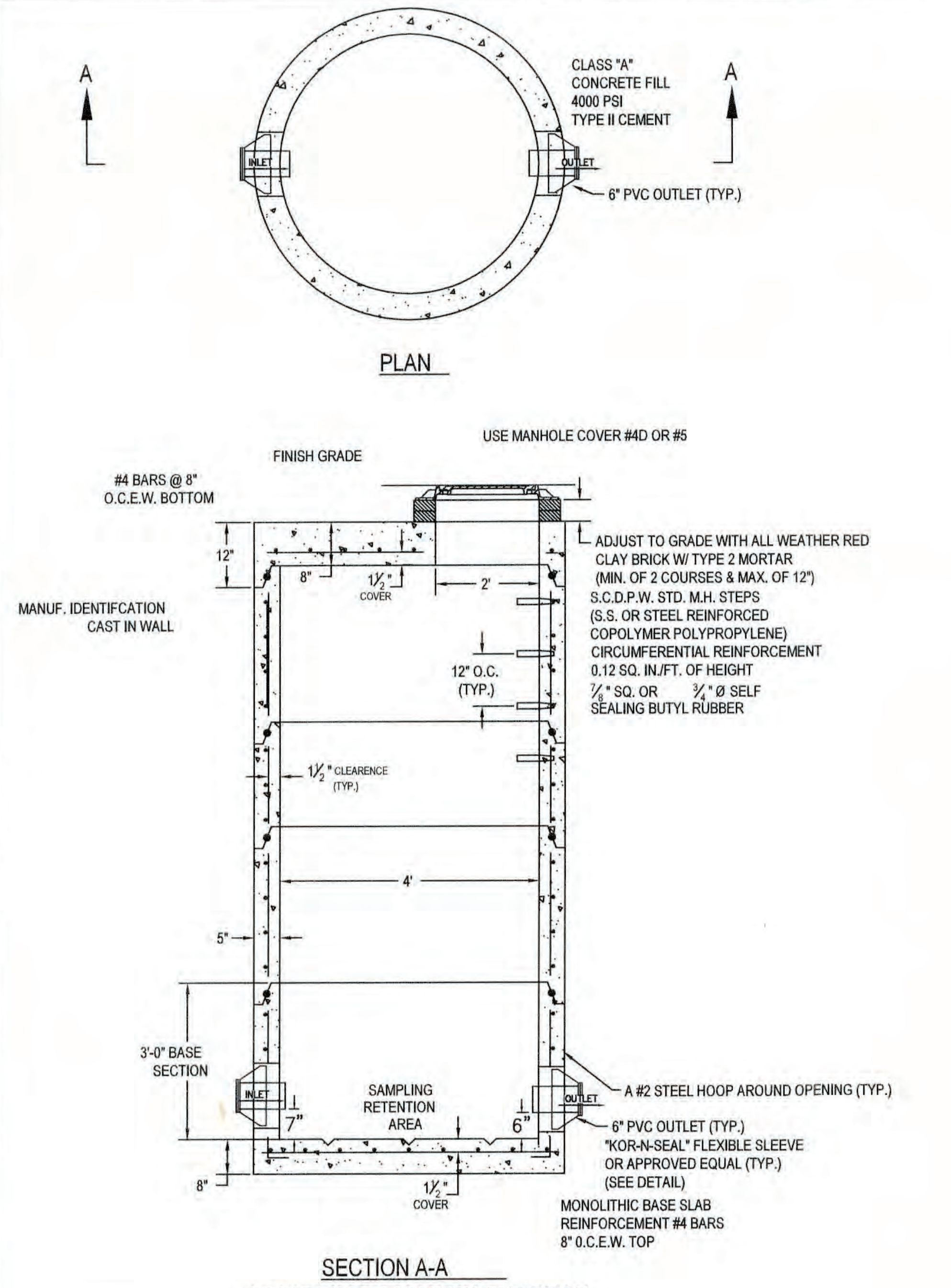
APPROVED AS PER TERMS
AND CONDITIONS OF
PERMIT NO. C. 10 of 12
DATE

4/9/20

C-009

10 OF 12


A
A
CLASS "A"
CONCRETE FILL
4000 PSI
TYPE II CEMENT
INLET
OUTLET
6" PVC OUTLET (TYP.)
USE MANHOLE COVER #4D OR #5
FINISH GRADE
#4 BARS @ 8"
O.C.E.W. BOTTOM
12"
8"
1½" COVER
2'
MANUF. IDENTIFCATION
CAST IN WALL
ADJUST TO GRADE WITH ALL WEATHER RED CLAY BRICK W/ TYPE 2 MORTAR (MIN. OF 2 COURSES & MAX. OF 12")
S.C.D.P.W. STD. M.H. STEPS (S.S. OR STEEL REINFORCED COPOLYMER POLYPROPYLENE)
CIRCUMFERENTIAL REINFORCEMENT 0.12 SQ. IN./FT. OF HEIGHT
⅞" SQ. OR ¾" Ø SELF SEALING BUTYL RUBBER
12" O.C. (TYP.)
1½" CLEARENCE (TYP.)
4'
5"
3'-0" BASE SECTION
SAMPLING RETENTION AREA
7"
6"
A #2 STEEL HOOP AROUND OPENING (TYP.)
6" PVC OUTLET (TYP.)
"KOR-N-SEAL" FLEXIBLE SLEEVE OR APPROVED EQUAL (TYP.) (SEE DETAIL)
8"
1½" COVER
MONOLITHIC BASE SLAB REINFORCEMENT #4 BARS 8" O.C.E.W. TOP

PLAN

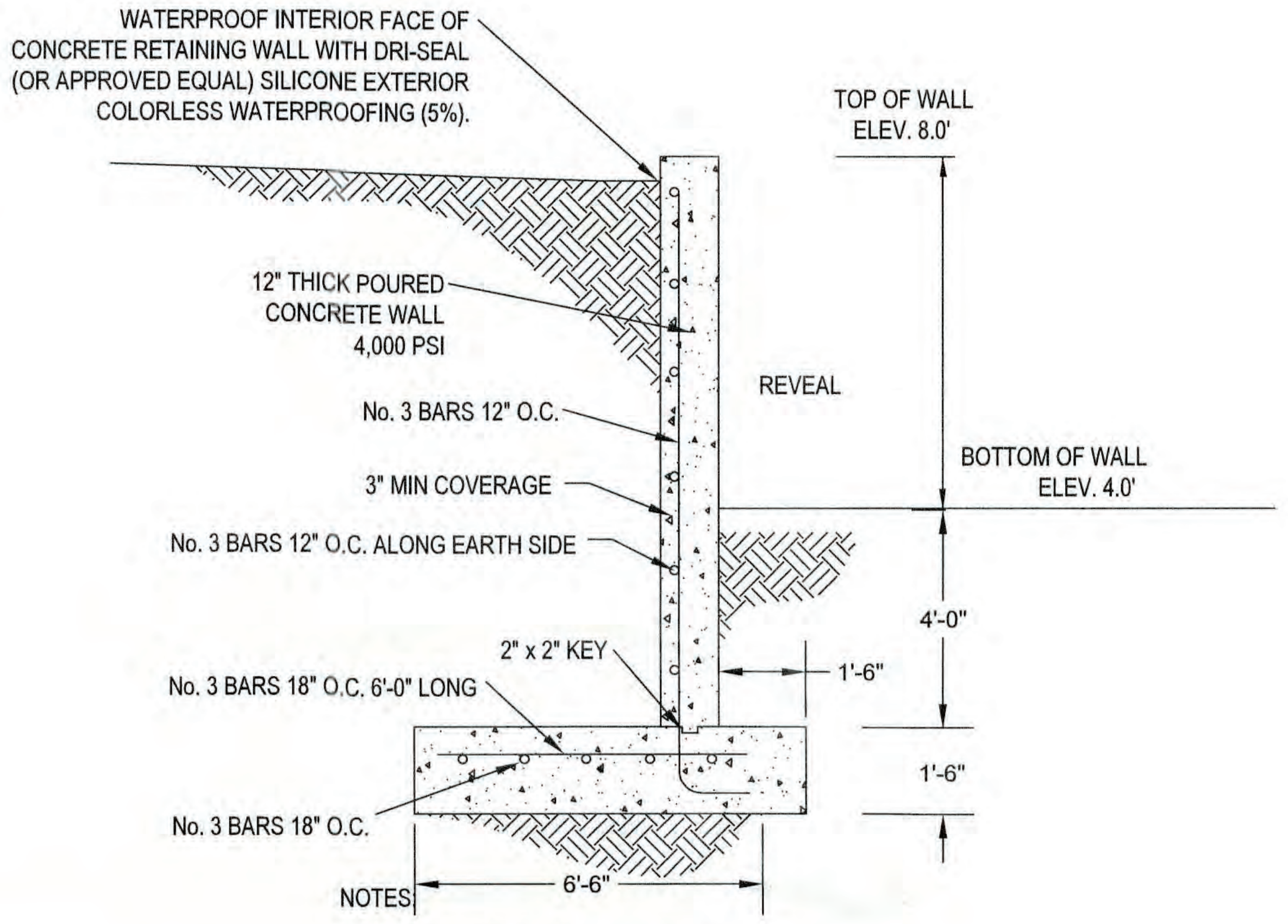
SECTION A-A

SAMPLING MANHOLE DETAIL

SCALE: NTS

NOTES:

1. FOR USE ON COMMERCIAL/INDUSTRIAL DISCHARGE PIPE.
2. ALL MANHOLES SECTIONS SHALL CONFORM TO A.S.T.M. C-478, LATEST REVISION STANDARD SPECIFICATIONS FOR PRECAST REINFORCED CONCRETE M.H. SECTIONS.
3. MANHOLE RISER SECTION TO BE FURNISHED IN 1,2,3, OR 4' HEIGHTS AS REQUIRED.
4. MANUF. TO CERTIFY THAT MANHOLES DELIVERED MEET ALL REQUIREMENTS OF S.C.D.P.W. SPECS.
5. LOADING TO CONFORM T AASHTO H-20 LOADING
6. REBAR TO CONFORM TO ASTM A-615-60 Fs=60,000PSI
7. WELDED WIRE MESH TO CONFORM TO A.S.T.M. A185 Fs=65,000PSI
8. CONCRETE TO BE 4000PSI @ 28 DAYS
9. FLAT SLAB TOPS (NO JOINT) MUST HAVE TOP & BOTTOM STEEL.

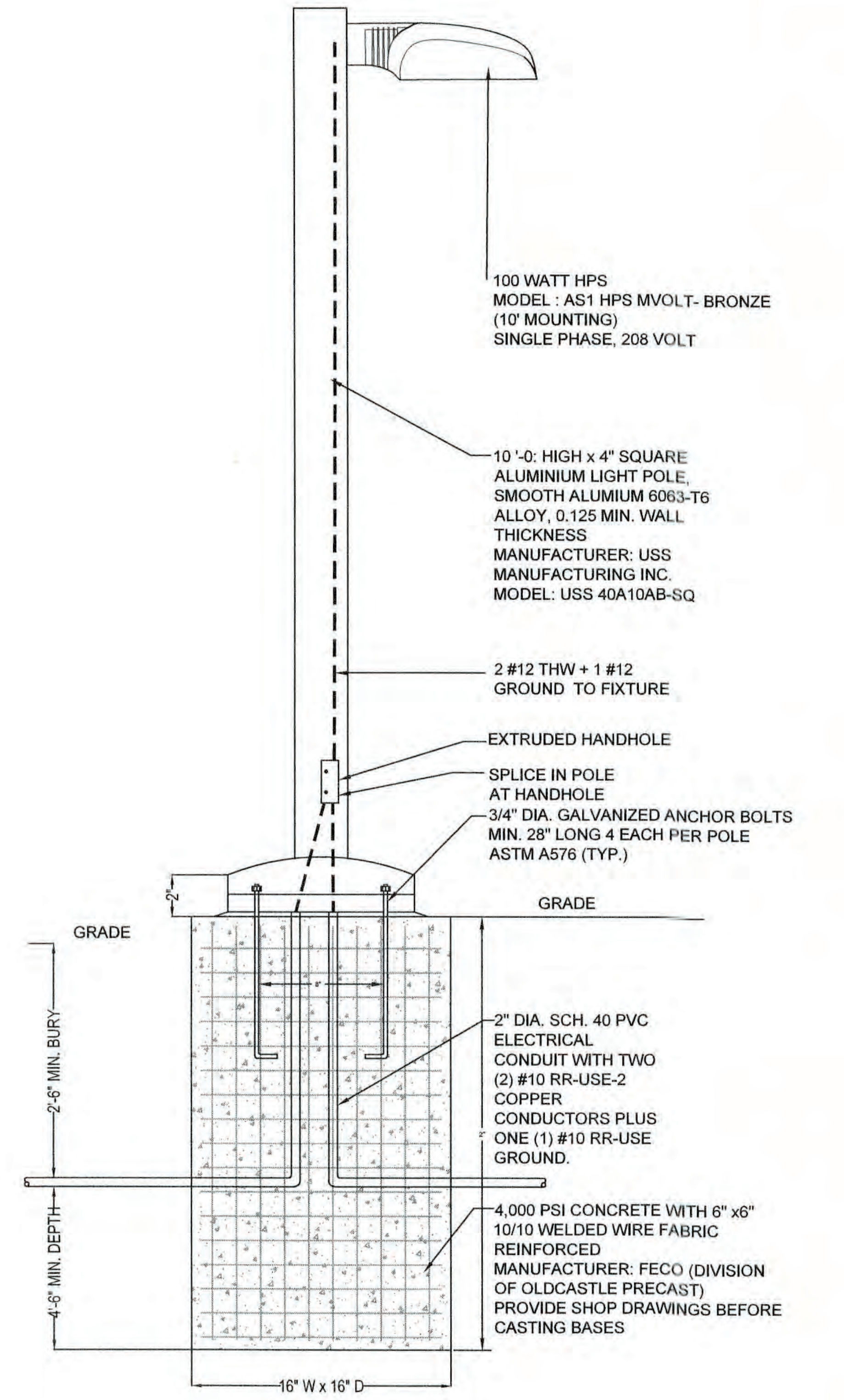

WATERPROOF INTERIOR FACE OF CONCRETE RETAINING WALL WITH DRI-SEAL (OR APPROVED EQUAL) SILICONE EXTERIOR COLORLESS WATERPROOFING (5%).
TOP OF WALL ELEV. 8.0'
12" THICK POURED CONCRETE WALL 4,000 PSI
REVEAL
No. 3 BARS 12" O.C.
BOTTOM OF WALL ELEV. 4.0'
3" MIN COVERAGE
No. 3 BARS 12" O.C. ALONG EARTH SIDE
4'-0"
2" x 2" KEY
1'-6"
No. 3 BARS 18" O.C. 6'-0" LONG
1'-6"
No. 3 BARS 18" O.C.
6'-6"

NOTES

1. FOOTING TO BE CONSTRUCTED ON 2 TON/SQ. FT. UNDISTURBED BEARING SOIL, OR PROPERLY COMPACTED ENGINEERED FILL CERTIFIED BY A LICENSED PROFESSIONAL ENGINEER.
2. DESIGN DETAIL IS FOR TALLEST RETAINING WALL.

TYPICAL RETAINING WALL DETAIL

NOT TO SCALE


100 WATT HPS
MODEL : AS1 HPS MVOLT- BRONZE
(10' MOUNTING)
SINGLE PHASE, 208 VOLT
10 '-0: HIGH x 4" SQUARE ALUMINIUM LIGHT POLE, SMOOTH ALUMIUM 6063-T6 ALLOY, 0.125 MIN. WALL THICKNESS
MANUFACTURER: USS MANUFACTURING INC.
MODEL: USS 40A10AB-SQ
2 #12 THW + 1 #12 GROUND TO FIXTURE
EXTRUDED HANDHOLE
SPLICE IN POLE AT HANDHOLE
3/4" DIA. GALVANIZED ANCHOR BOLTS MIN. 28" LONG 4 EACH PER POLE ASTM A576 (TYP.)
2"
GRADE
GRADE
8"
2'-6" MIN. BURY
2" DIA. SCH. 40 PVC ELECTRICAL CONDUIT WITH TWO (2) #10 RR-USE-2 COPPER CONDUCTORS PLUS ONE (1) #10 RR-USE GROUND.
4'-6" MIN. DEPTH
4,000 PSI CONCRETE WITH 6" x6" 10/10 WELDED WIRE FABRIC REINFORCED
MANUFACTURER: FECO (DIVISION OF OLDCASTLE PRECAST)
PROVIDE SHOP DRAWINGS BEFORE CASTING BASES
16" W x 16" D

1. DIRECT BURIAL CABLE 6" OR 12" BEHIND EDGE OF PAVEMENT THROUGHOUT AND AT A DEPTH OF 2'-0" BELOW FINAL GRADE.

2. CABLE IN PVC OR GALV. IRON ELECTRIC CONDUIT WHERE CABLES CROSS WALKS OR DRIVEWAYS, SIZED AS INDICATED AND 2'-0" BELOW FINISHED GRADE, AND AT LEAST 2'-0" BEYOND EACH WALK OR PAVEMENT EDGE.

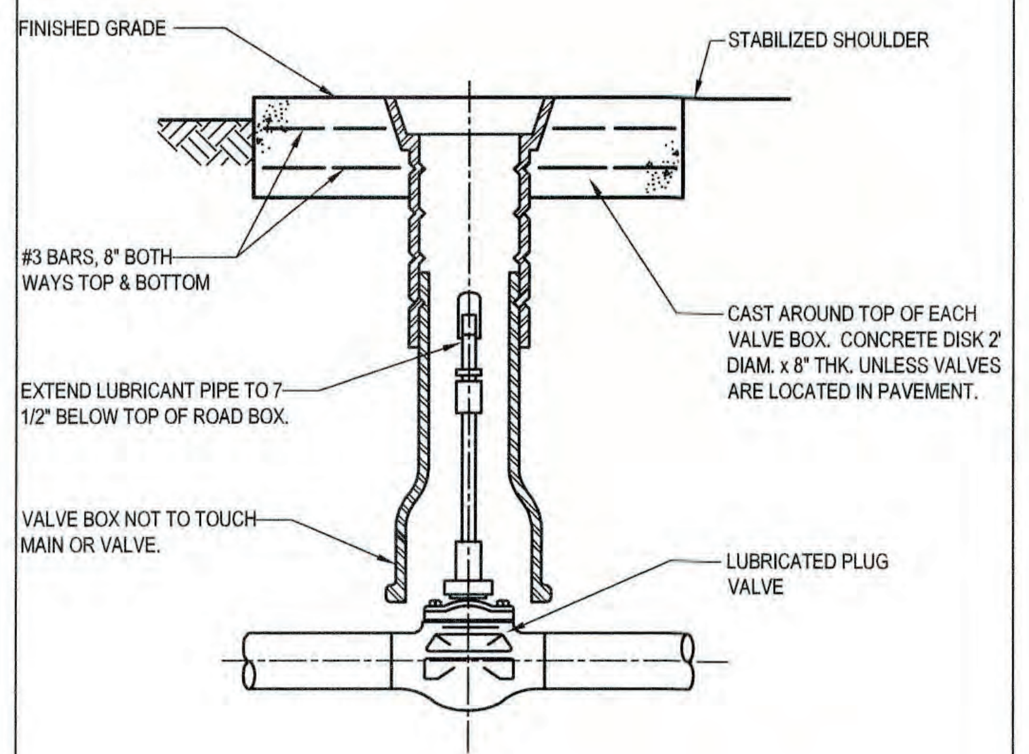
3. HIGH PRESSURE SODIUM, 100 WATT FIXTURES AND POLES AS SPECIFIED.

4. LARGE DIAMETER CABLES ARE REQUIRED TO MAINTAIN NO MORE THAN 3% VOLTAGE DROP AT EACH FIXTURE.

5. SPLICING OF VARIOUS SIZE CABLES SHALL BE DONE IN BASE OF POLE AND SPLICES SHALL BE WATERPROOF.

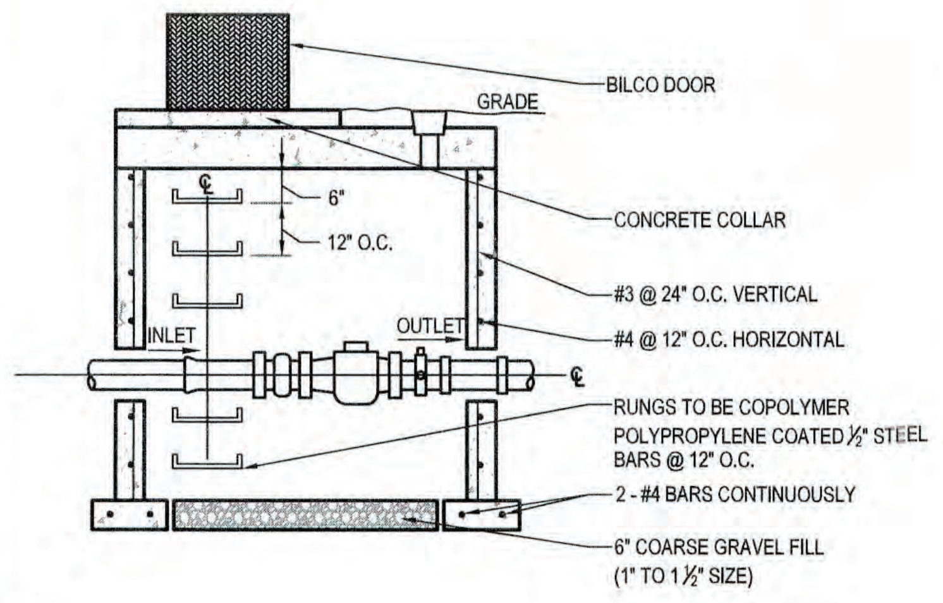
TYPICAL10' HIGH LIGHT POLE WITH FIXTURE DETAIL

NOT TO SCALE


FINISHED GRADE
STABILIZED SHOULDER
#3 BARS, 8" BOTH WAYS TOP & BOTTOM
CAST AROUND TOP OF EACH VALVE BOX. CONCRETE DISK 2' DIAM. x 8" THK. UNLESS VALVES ARE LOCATED IN PAVEMENT.
EXTEND LUBRICANT PIPE TO 7-1/2" BELOW TOP OF ROAD BOX.
VALVE BOX NOT TO TOUCH MAIN OR VALVE.
LUBRICATED PLUG VALVE

1" THROUGH 4" VALVE DETAIL

SCALE: NTS

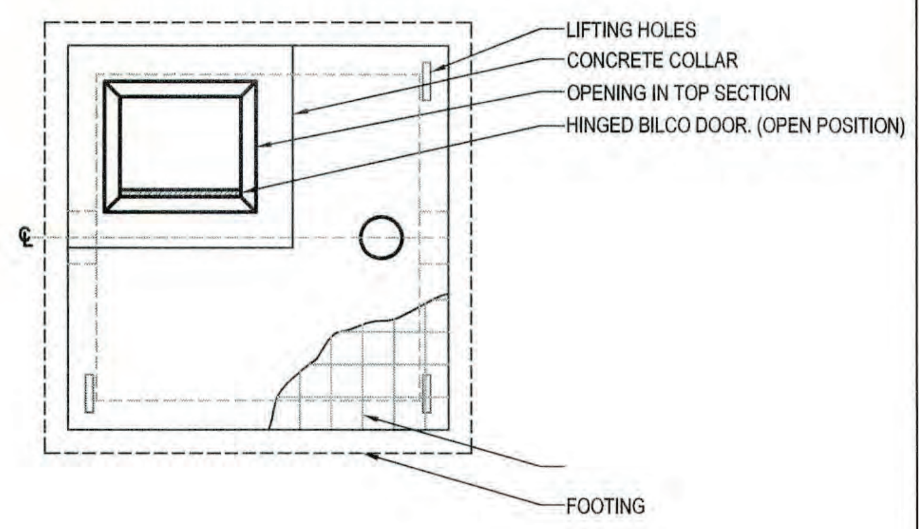

BILCO DOOR
GRADE
℄
6"
12" O.C.
CONCRETE COLLAR
#3 @ 24" O.C. VERTICAL
INLET
OUTLET
#4 @ 12" O.C. HORIZONTAL
℄
RUNGS TO BE COPOLYMER POLYPROPYLENE COATED ½" STEEL BARS @ 12" O.C.
2 - #4 BARS CONTINUOUSLY
6" COARSE GRAVEL FILL (1" TO 1½" SIZE)

NOTES

1. CONCRETE: 4,000 P.S.I. AT 28 DAYS
2. REINFORCING: ASTM A-615 - GRADE 40
3. WELDED WIRE FABRIC: ASTM A-82 & A-85
5. FOOTING POUR TO BE SEPARATE FROM WALL POUR.
6. ALL LIFTING HOLES TO BE PROPERLY MORTARED FLUSH TO WALLS.

WATER METER VAULT SECTION DETAIL

SCALE: NTS


LIFTING HOLES
CONCRETE COLLAR
OPENING IN TOP SECTION
HINGED BILCO DOOR. (OPEN POSITION)
℄
FOOTING

NOTES

1. CONCRETE: 4,000 P.S.I. AT 28 DAYS
2. REINFORCING: ASTM A-615 - GRADE 40
3. WELDED WIRE FABRIC: ASTM A-82 & A-85
5. FOOTING POUR TO BE SEPARATE FROM WALL POUR.
6. ALL LIFTING HOLES TO BE PROPERLY MORTARED FLUSH TO WALLS.

WATER METER VAULT PLAN DETAIL

SCALE: NTS

N Y S D E C
APPROVED AS PER TERMS
AND CONDITIONS OF
PERMIT NO.
DATE 11 of 12

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CLIENT DRIVEN SOLUTIONS
P.W. GROSSER CONSULTING ENGINEER
AND HYDROGEOLOGIST, P.C.

630 Johnson Avenue. . Suite 7
Bohemia . NY . 11716-2618
Phone: (631) 589-6353 . Fax: (631) 589-8705
E-mail: INFO@PWGROSSER.COM

CONSULTANTS

7		
6		
5		
4		
3		
2		
1	REVISED GRASS AREAS AND PATH	03/23/2020

SP

SP 11/08/18

BAG AS NOTED

94 DUNE ROAD HOLDING CORP.
PO BOX 681
EAST QUOGUE, NY

94 DUNE ROAD

SITE PLAN

94 DUNE ROAD
EAST QUOGUE, TOWN OF SOUTHAMPTON
SUFFOLK COUNTY, NY

900-385-01-37.3 DRH

SH-XXXX

CIVIL SITE PLAN DETAILS I

4/9/2020

C-010

11 OF 12

PWGC FILE NAME: C:\Users\cunha\Desktop\dockers\File Set 03-24-20.dwg (DETAILS1 - C-010 (11))
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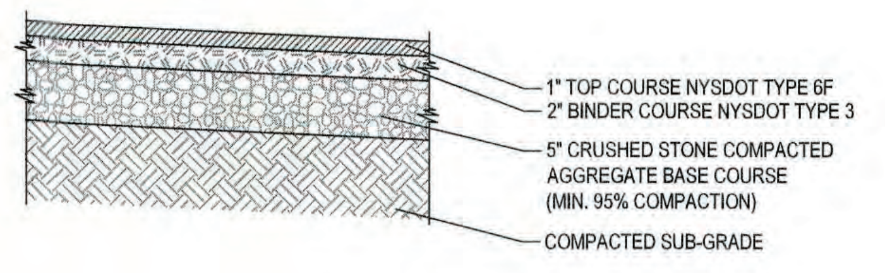
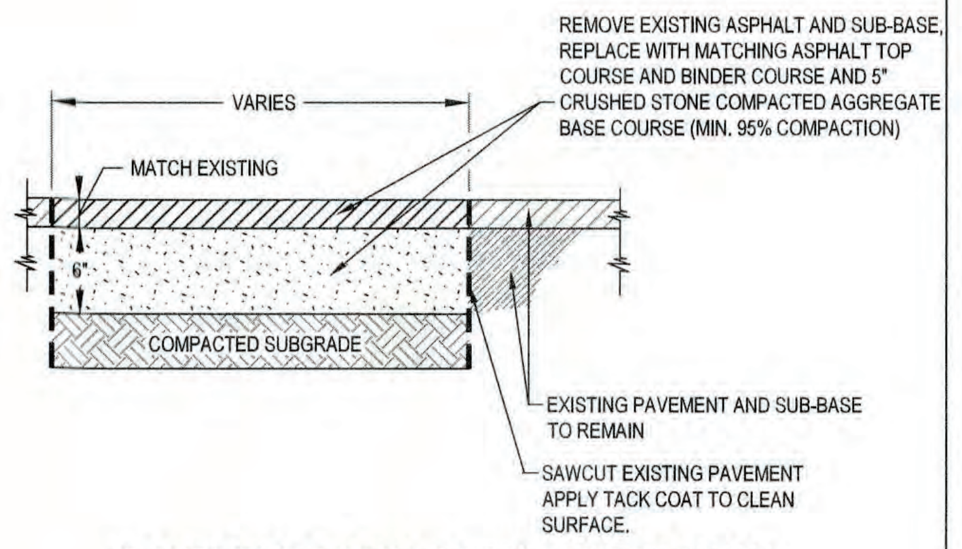

1" TOP COURSE NYSDOT TYPE 6F
2" BINDER COURSE NYSDOT TYPE 3
5" CRUSHED STONE COMPACTED AGGREGATE BASE COURSE (MIN. 95% COMPACTION)
COMPACTED SUB-GRADE

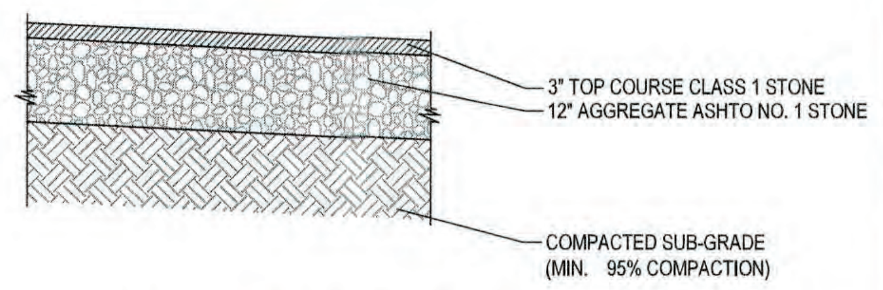
TYPICAL ASPHALT PAVING DETAIL

SCALE: NTS


REMOVE EXISTING ASPHALT AND SUB-BASE, REPLACE WITH MATCHING ASPHALT TOP COURSE AND BINDER COURSE AND 5" CRUSHED STONE COMPACTED AGGREGATE BASE COURSE (MIN. 95% COMPACTION)
VARIES
MATCH EXISTING
6"
COMPACTED SUBGRADE
EXISTING PAVEMENT AND SUB-BASE TO REMAIN
SAWCUT EXISTING PAVEMENT APPLY TACK COAT TO CLEAN SURFACE.

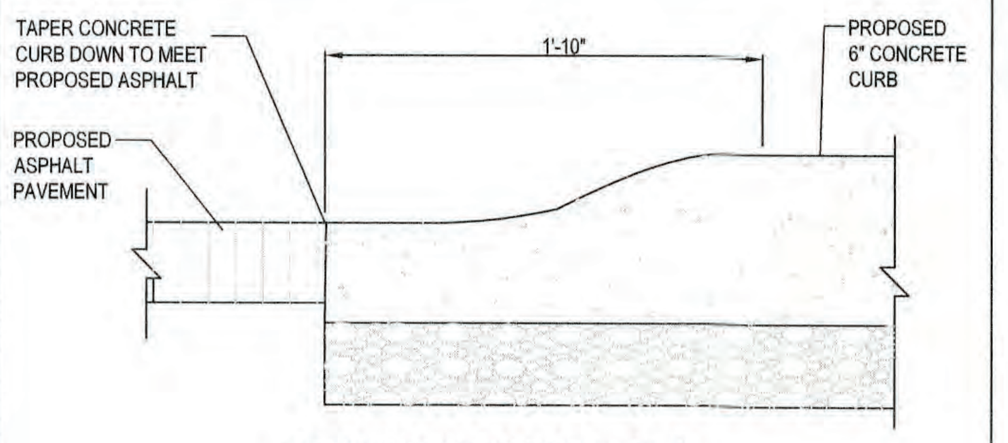
PAVEMENT PATCH DETAIL AT ROADWAY

SCALE: NTS


3" TOP COURSE CLASS 1 STONE
12" AGGREGATE ASHTO NO. 1 STONE
COMPACTED SUB-GRADE (MIN. 95% COMPACTION)

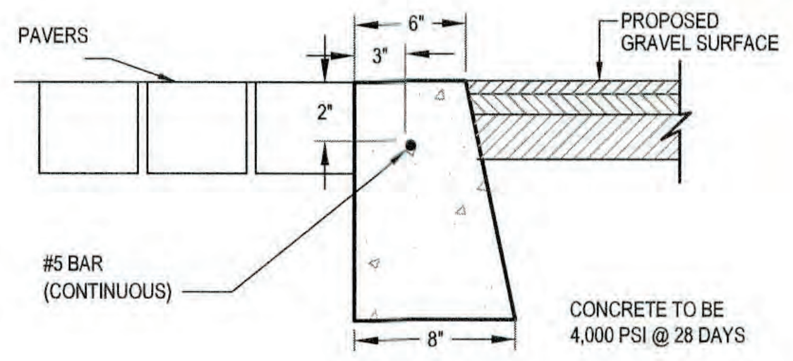
TYPICAL GRAVEL PAVING DETAIL

SCALE: NTS


TAPER CONCRETE CURB DOWN TO MEET PROPOSED ASPHALT
1'-10"
PROPOSED 6" CONCRETE CURB
PROPOSED ASPHALT PAVEMENT

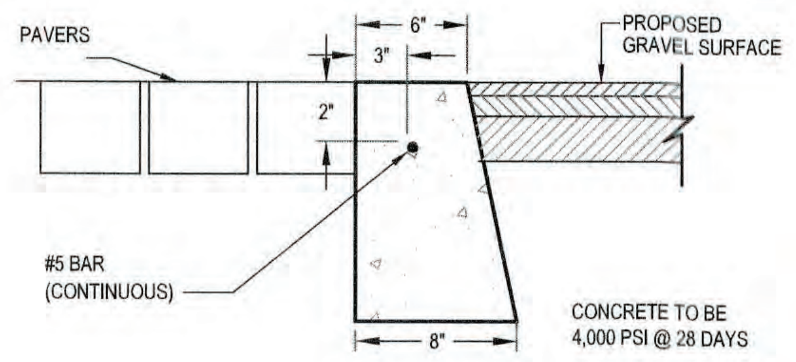
BULLNOSE CURB DETAIL

SCALE: NTS


PAVERS
6"
3"
PROPOSED GRAVEL SURFACE
2"
#5 BAR (CONTINUOUS)
8"
CONCRETE TO BE 4,000 PSI @ 28 DAYS

FLUSH CURB DETAIL

SCALE: NTS

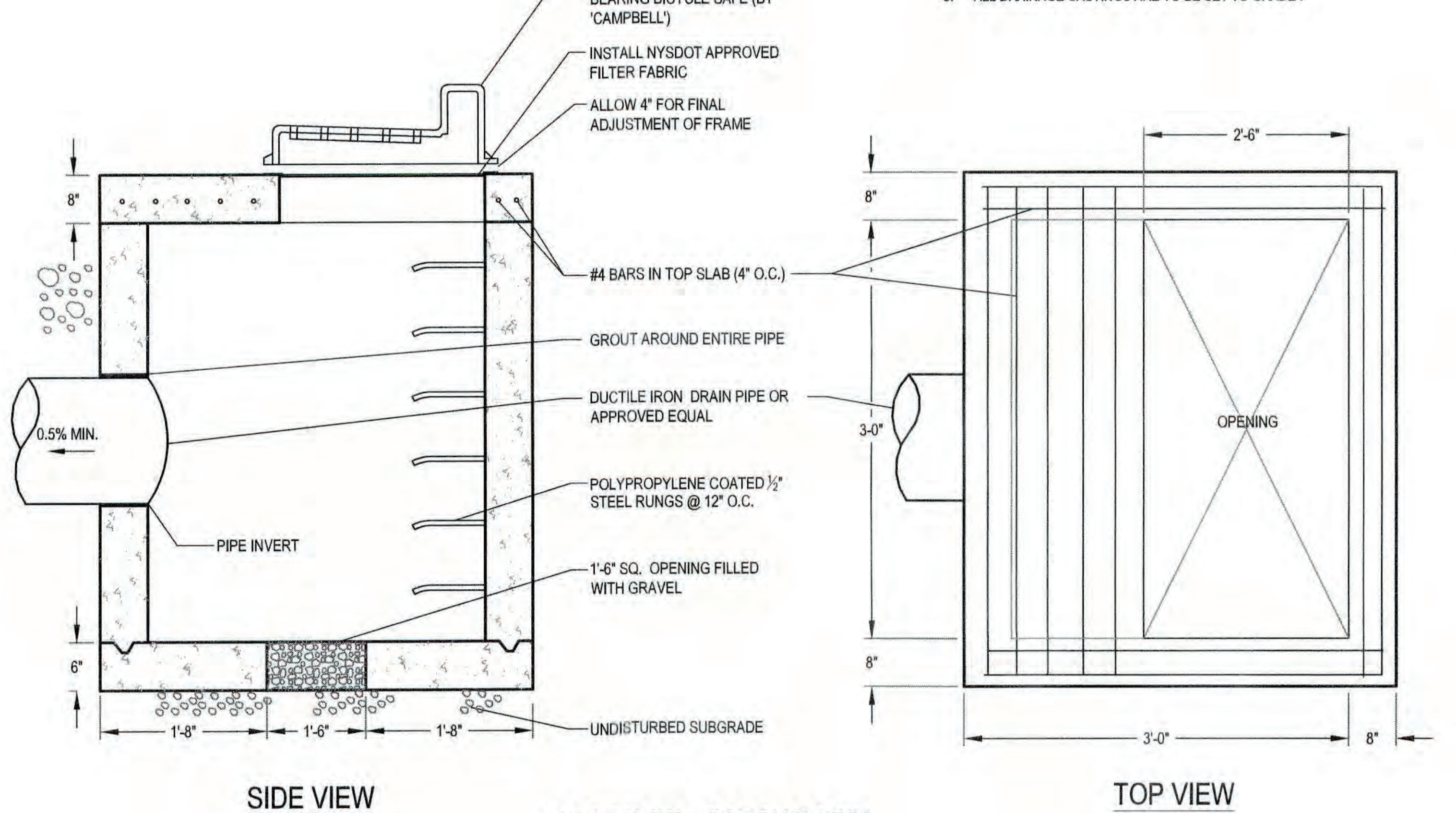

PAVERS
6"
3"
PROPOSED GRAVEL SURFACE
2"
#5 BAR (CONTINUOUS)
8"
CONCRETE TO BE 4,000 PSI @ 28 DAYS

FLUSH CURB DETAIL

SCALE: NTS

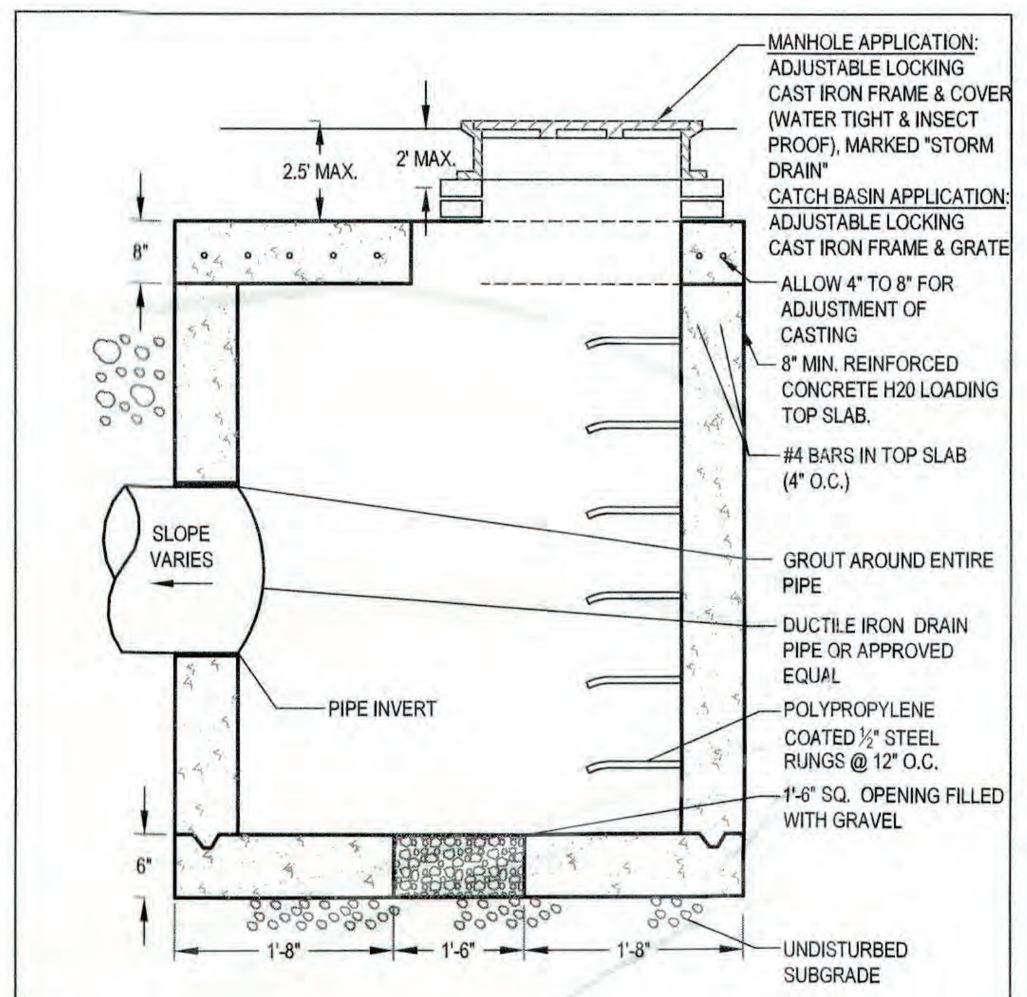
NOTES:

1. ALL CATCH BASINS AND CURB INLETS TO BE INSPECTED MONTHLY FOR DEBRIS.
2. ANY DEBRIS FOUND TO BE REMOVED AND NYS DOT APPROVED FILTER FABRIC TO BE REPLACED AS NECESSARY.
3. ALL DRAINAGE CASTINGS ARE TO BE SET TO GRADE .


CAST IRON CURB INLET WITH REMOVABLE GRATE TRAFFIC BEARING BICYCLE SAFE (BY 'CAMPBELL')
INSTALL NYSDOT APPROVED FILTER FABRIC
ALLOW 4" FOR FINAL ADJUSTMENT OF FRAME
8"
#4 BARS IN TOP SLAB (4" O.C.)
GROUT AROUND ENTIRE PIPE
DUCTILE IRON DRAIN PIPE OR APPROVED EQUAL
0.5% MIN.
POLYPROPYLENE COATED ½" STEEL RUNGS @ 12" O.C.
PIPE INVERT
1'-6" SQ. OPENING FILLED WITH GRAVEL
6"
1'-8"
1'-6"
1'-8"
UNDISTURBED SUBGRADE
SIDE VIEW
2'-6"
8"
3-0"
OPENING
8"
3'-0"
8"
TOP VIEW

DRAINAGE - CATCH BASIN

SCALE: NTS

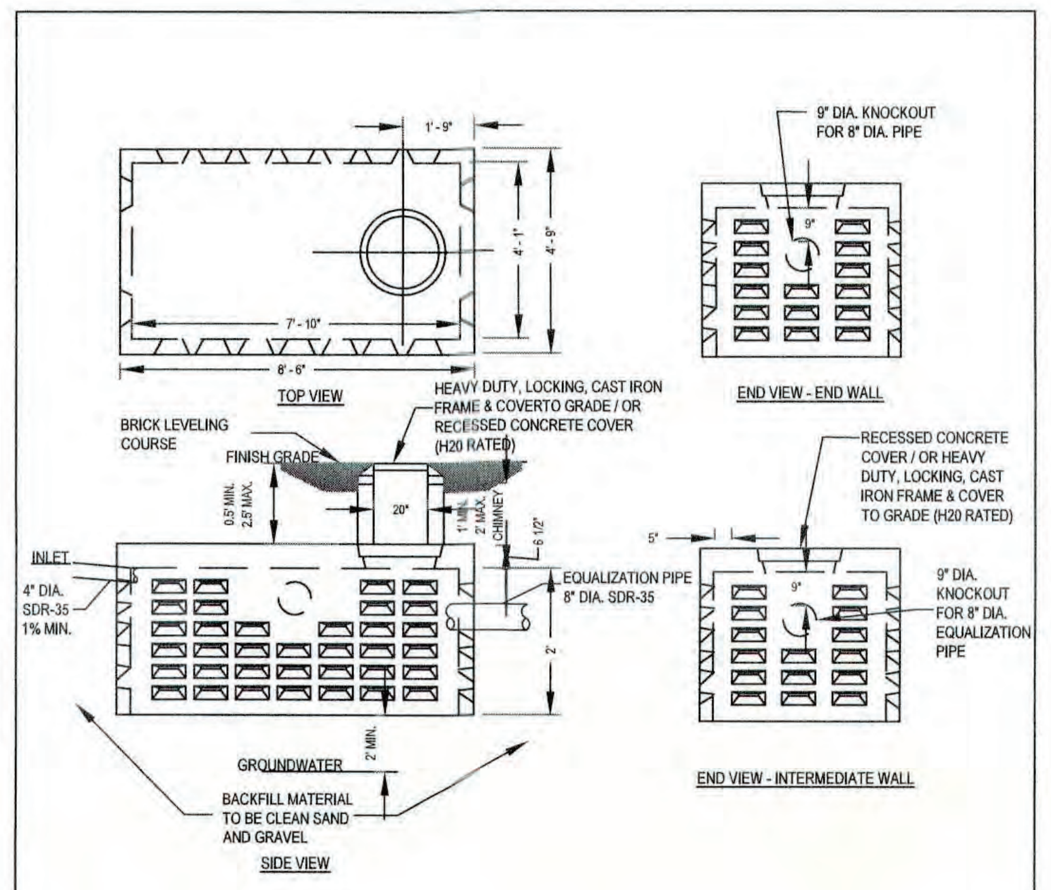

MANHOLE APPLICATION: ADJUSTABLE LOCKING CAST IRON FRAME & COVER (WATER TIGHT & INSECT PROOF), MARKED "STORM DRAIN"
CATCH BASIN APPLICATION: ADJUSTABLE LOCKING CAST IRON FRAME & GRATE
2.5' MAX.
2' MAX.
8"
ALLOW 4" TO 8" FOR ADJUSTMENT OF CASTING
8" MIN. REINFORCED CONCRETE H20 LOADING TOP SLAB.
#4 BARS IN TOP SLAB (4" O.C.)
SLOPE VARIES
GROUT AROUND ENTIRE PIPE
DUCTILE IRON DRAIN PIPE OR APPROVED EQUAL
PIPE INVERT
POLYPROPYLENE COATED ½" STEEL RUNGS @ 12" O.C.
1'-6" SQ. OPENING FILLED WITH GRAVEL
6"
1'-8"
1'-6"
1'-8"
UNDISTURBED SUBGRADE

NOTE:

1. DESIGN CONCRETE COMPRESSIVE STRENGTH = 4,000 PSI AT 28 DAYS, AASHTO H-20 LOADING.
2. MANHOLE MINIMUM OPENING TO BE 20 INCH DIAMETER.
3. BASE SECTION AND 1 FOOT OF SIDEWALL AREA TO BE MONOLITHICALLY CAST. FOR GROUNDWATER INSTALLATION, BASE SECTION AND UP TO 18 INCHES ABOVE THE HIGHEST RECORDED GROUNDWATER TO BE MONOLITHICALLY CAST.

DRAINAGE MANHOLE AND CATCH BASIN

SCALE: NTS

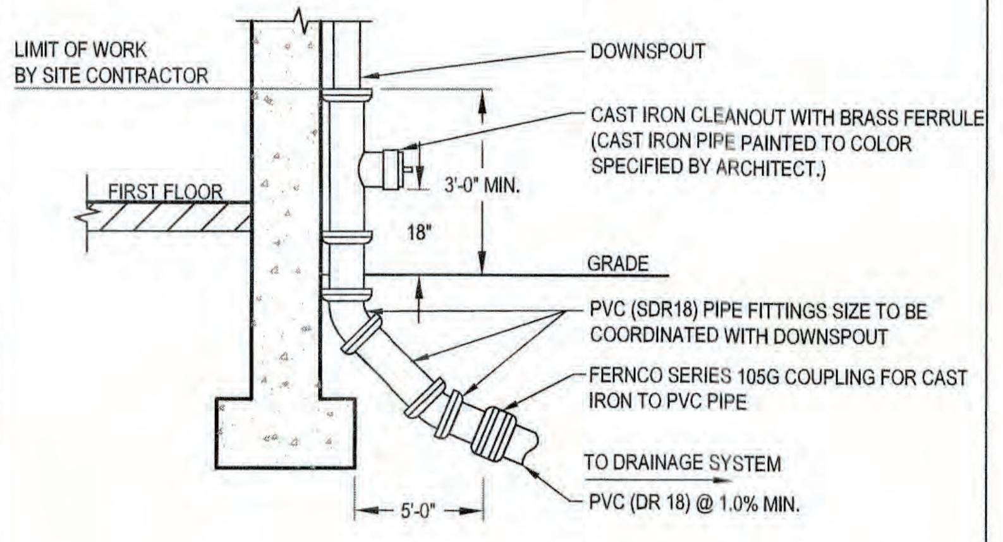

1'-9"
4'-1"
4'-9"
7'-10"
8'-6"
TOP VIEW
9" DIA. KNOCKOUT FOR 8" DIA. PIPE
9"
END VIEW - END WALL
HEAVY DUTY, LOCKING, CAST IRON FRAME & COVERTO GRADE / OR RECESSED CONCRETE COVER (H20 RATED)
BRICK LEVELING COURSE
FINISH GRADE
0.5' MIN. 2.5' MAX.
20"
1' MIN. 2' MAX.
CHIMNEY
6 1/2"
INLET
4" DIA. SDR-35 1% MIN.
EQUALIZATION PIPE 8" DIA. SDR-35
2'
2' MIN.
GROUNDWATER
BACKFILL MATERIAL TO BE CLEAN SAND AND GRAVEL
SIDE VIEW
RECESSED CONCRETE COVER / OR HEAVY DUTY, LOCKING, CAST IRON FRAME & COVER TO GRADE (H20 RATED)
5"
9"
9" DIA. KNOCKOUT FOR 8" DIA. EQUALIZATION PIPE
END VIEW - INTERMEDIATE WALL

NOTES:

1. CONCRETE 4,000 PSI @ 28 DAYS
2. REBAR TO BE ASTM A-615 GRADE 60
3. WELDED WIRE FABRIC ASTM A-185
4. DESIGNED FOR AASHTO HS-20 LOADING
5. TOP SLAB AND WALL ARE MONOLITHIC
6. CLEARANCE TO GROUNDWATER MAY REQUIRE RELIEF.

TYPICAL DRAINAGE LEACHING GALLEY

SCALE: NTS

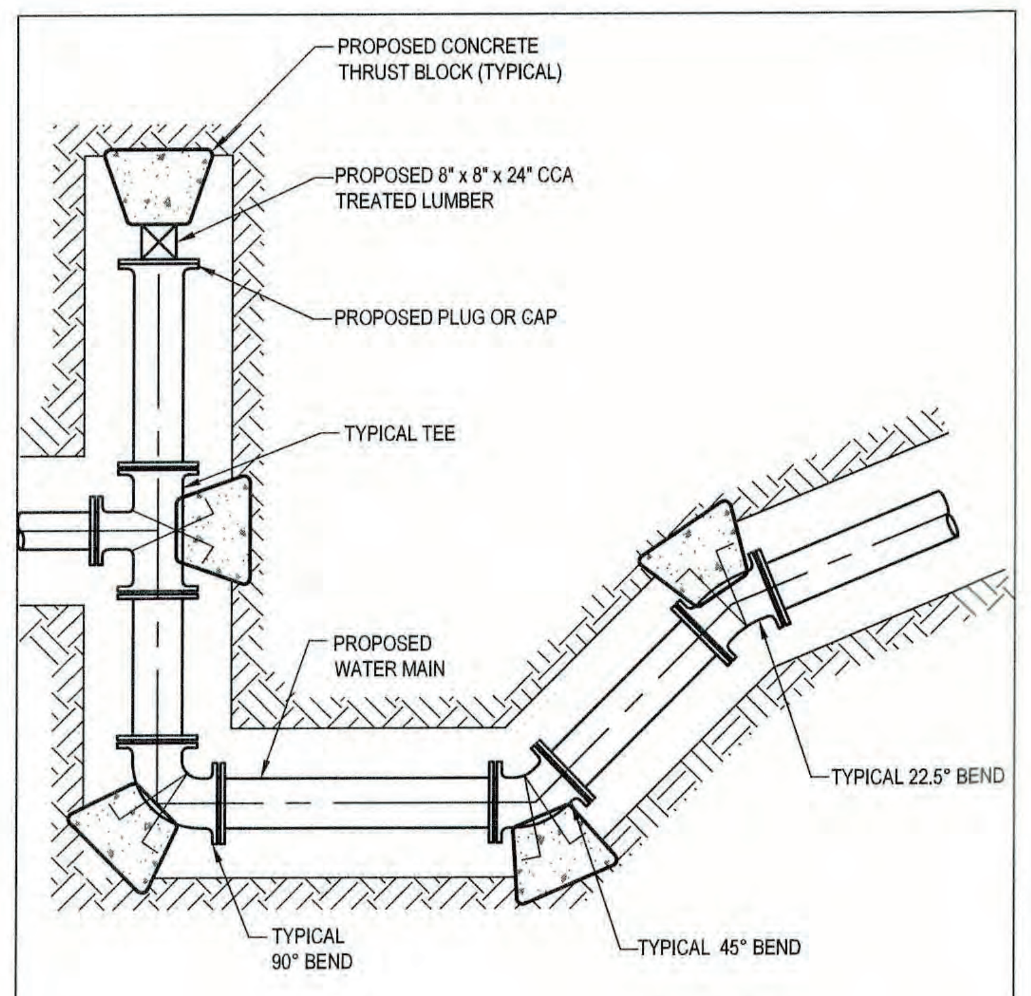

LIMIT OF WORK BY SITE CONTRACTOR
DOWNSPOUT
CAST IRON CLEANOUT WITH BRASS FERRULE (CAST IRON PIPE PAINTED TO COLOR SPECIFIED BY ARCHITECT.)
FIRST FLOOR
3'-0" MIN.
18"
GRADE
PVC (SDR18) PIPE FITTINGS SIZE TO BE COORDINATED WITH DOWNSPOUT
FERNCO SERIES 105G COUPLING FOR CAST IRON TO PVC PIPE
TO DRAINAGE SYSTEM
PVC (DR 18) @ 1.0% MIN.
5'-0"

NOTE:

1. CONTRACTOR SHALL COORDINATE DOWNSPOUT SIZE WITH ARCHITECTURAL PLANS.

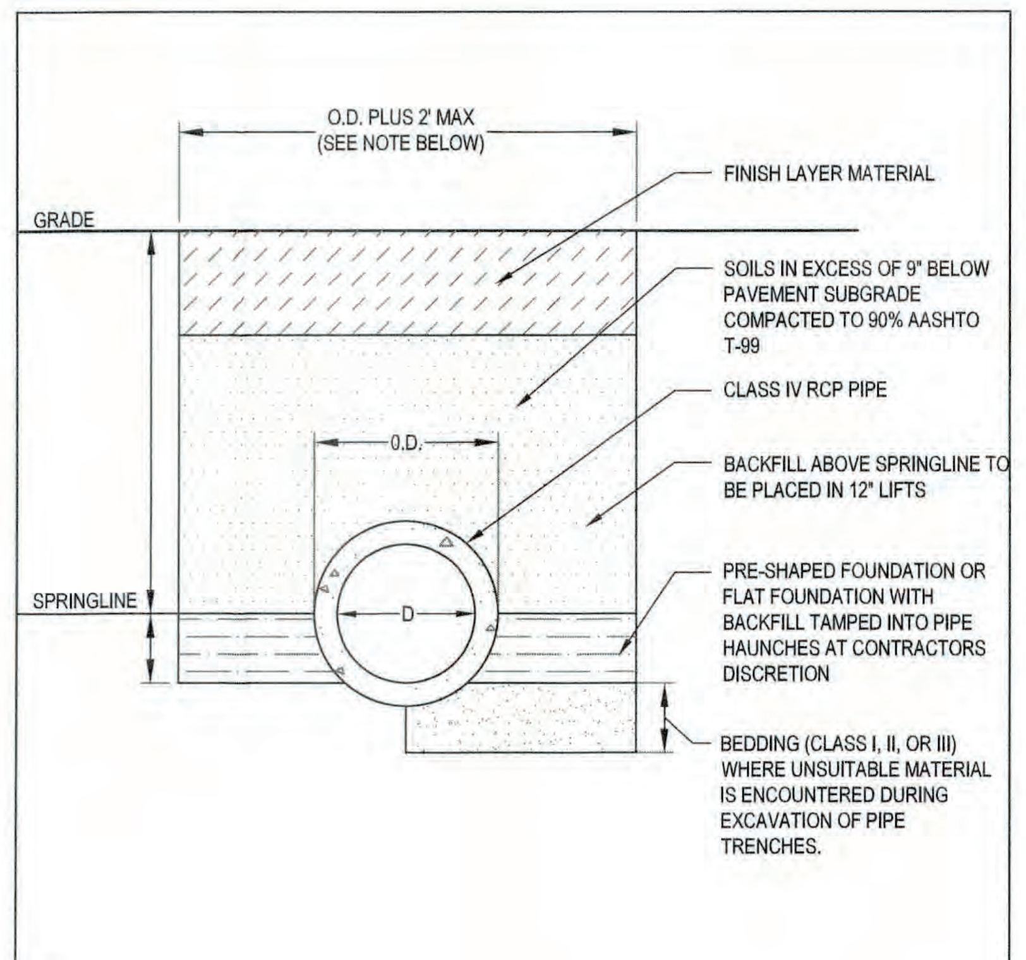
ROOF DRAIN DOWNSPOUT

SCALE: NTS


PROPOSED CONCRETE THRUST BLOCK (TYPICAL)
PROPOSED 8" x 8" x 24" CCA TREATED LUMBER
PROPOSED PLUG OR CAP
TYPICAL TEE
PROPOSED WATER MAIN
TYPICAL 22.5° BEND
TYPICAL 90° BEND
TYPICAL 45° BEND

THRUST BLOCK DETAIL

SCALE: NTS

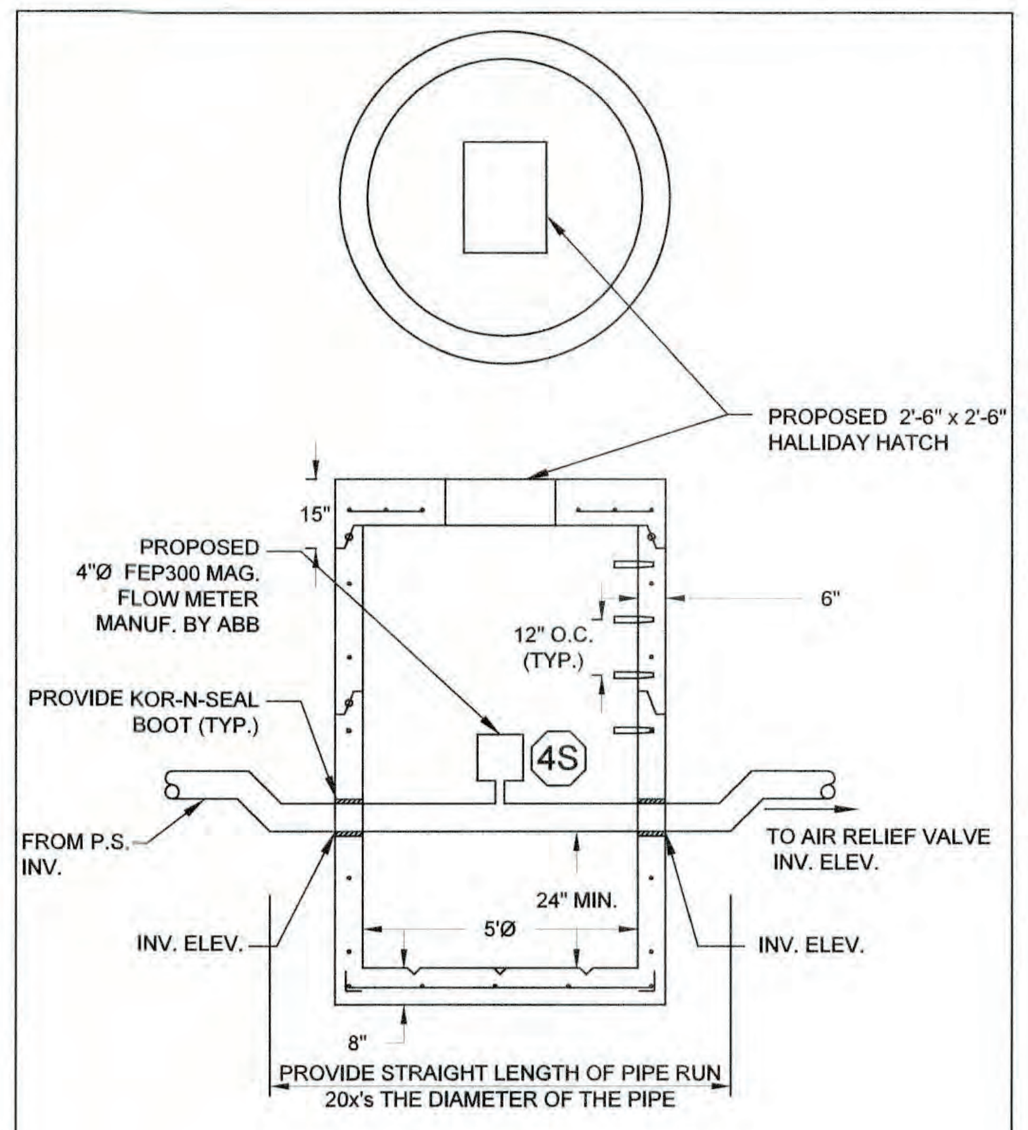

O.D. PLUS 2' MAX (SEE NOTE BELOW)
FINISH LAYER MATERIAL
GRADE
SOILS IN EXCESS OF 9" BELOW PAVEMENT SUBGRADE COMPACTED TO 90% AASHTO T-99
CLASS IV RCP PIPE
O.D.
BACKFILL ABOVE SPRINGLINE TO BE PLACED IN 12" LIFTS
SPRINGLINE
D
PRE-SHAPED FOUNDATION OR FLAT FOUNDATION WITH BACKFILL TAMPED INTO PIPE HAUNCHES AT CONTRACTORS DISCRETION
BEDDING (CLASS I, II, OR III) WHERE UNSUITABLE MATERIAL IS ENCOUNTERED DURING EXCAVATION OF PIPE TRENCHES.

NOTE

1- IF DEPTH OF TRENCH EQUALS OR EXCEEDS 5'-0", THE CONTRACTOR MUST PROVIDE SHEETING AND BRACING. AS AN ALTERNATIVE, THE TRENCH WALLS MUST BE CUT BACK TO A 1:1 SLOPE, OR THE NATURAL ANGLE OF REPOSE FOR THE SOIL, WHICHEVER IS MORE SHALLOW.
2- CLASS I, II, III OR IV COMPACTED BACKFILL MATERIAL IN ALL PIPE ZONES, PER USCS UNIFIED SOIL CLASSIFICATION SYSTEM)
3- SAWCUT 2' BEYOND TRENCH FOR PAVEMENT RESTORATION WHERE REQUIRED.

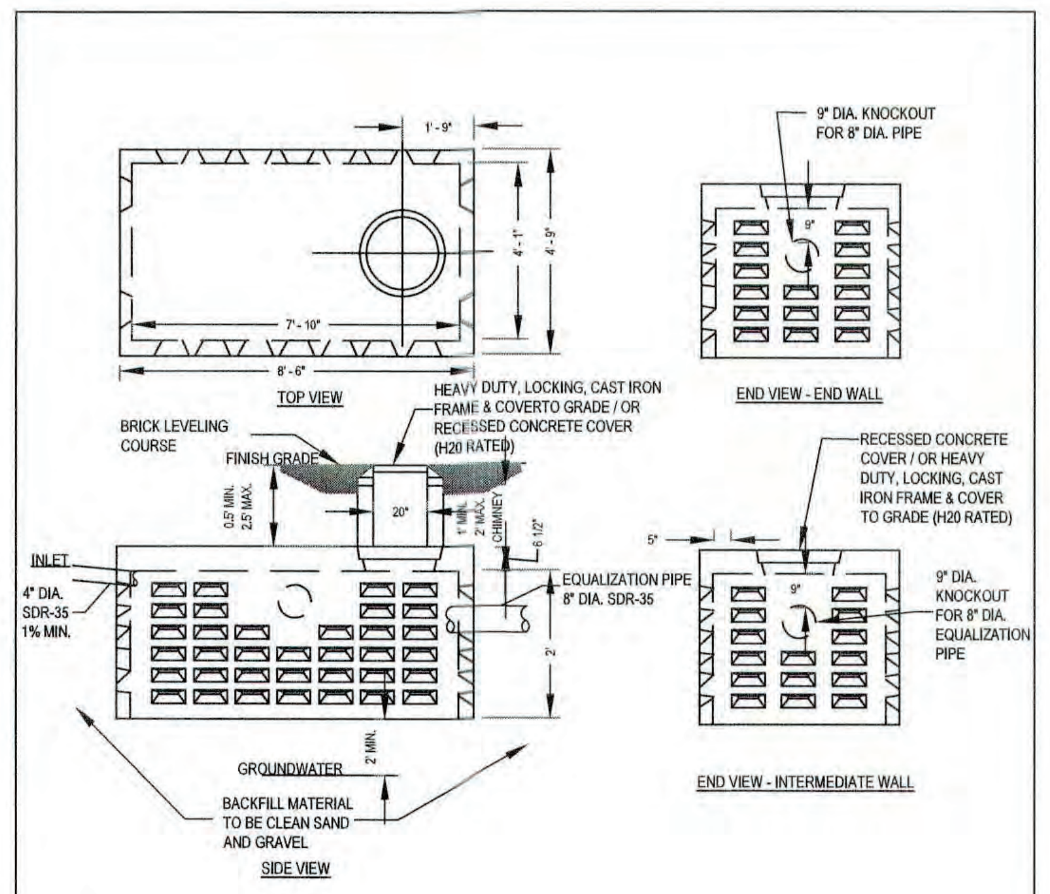
PIPE TRENCH DETAIL

SCALE: NTS


PROPOSED 2'-6" x 2'-6" HALLIDAY HATCH
15"
PROPOSED 4"Ø FEP300 MAG. FLOW METER MANUF. BY ABB
6"
12" O.C. (TYP.)
PROVIDE KOR-N-SEAL BOOT (TYP.)
4S
FROM P.S. INV.
TO AIR RELIEF VALVE INV. ELEV.
24" MIN.
5'Ø
INV. ELEV.
INV. ELEV.
8"
PROVIDE STRAIGHT LENGTH OF PIPE RUN 20x's THE DIAMETER OF THE PIPE

FLOW METER MANHOLE DETAIL

SCALE: NTS

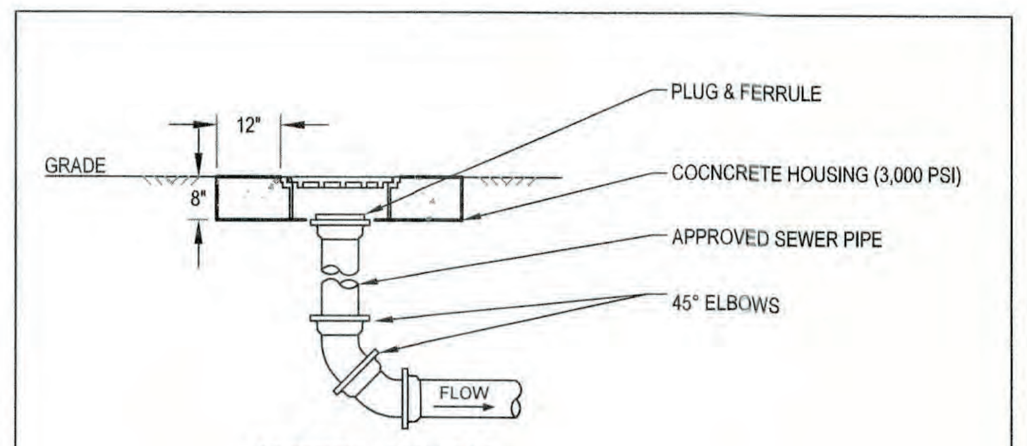

1'-9"
4'-1"
4'-9"
7'-10"
8'-6"
TOP VIEW
9" DIA. KNOCKOUT FOR 8" DIA. PIPE
9"
END VIEW - END WALL
HEAVY DUTY, LOCKING, CAST IRON FRAME & COVERTO GRADE / OR RECESSED CONCRETE COVER (H20 RATED)
BRICK LEVELING COURSE
FINISH GRADE
0.5' MIN. 2.5' MAX.
20"
1' MIN. 2' MAX.
CHIMNEY
6 1/2"
INLET
4" DIA. SDR-35 1% MIN.
EQUALIZATION PIPE 8" DIA. SDR-35
2'
2' MIN.
GROUNDWATER
BACKFILL MATERIAL TO BE CLEAN SAND AND GRAVEL
SIDE VIEW
RECESSED CONCRETE COVER / OR HEAVY DUTY, LOCKING, CAST IRON FRAME & COVER TO GRADE (H20 RATED)
5"
9"
9" DIA. KNOCKOUT FOR 8" DIA. EQUALIZATION PIPE
END VIEW - INTERMEDIATE WALL

NOTES:

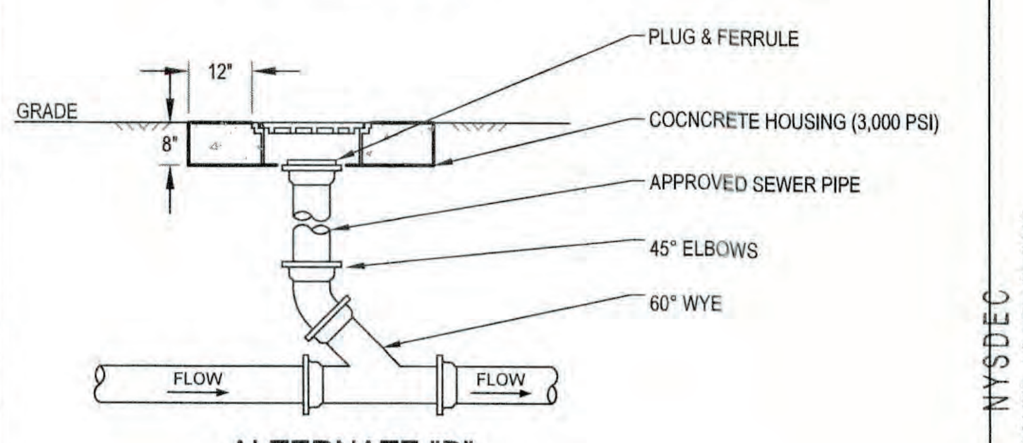
1. CONCRETE 4,000 PSI @ 28 DAYS
2. REBAR TO BE ASTM A-615 GRADE 60
3. WELDED WIRE FABRIC ASTM A-185
4. DESIGNED FOR AASHTO HS-20 LOADING
5. TOP SLAB AND WALL ARE MONOLITHIC
6. CLEARANCE TO GROUNDWATER MAY REQUIRE RELIEF.

TYPICAL SANITARY LEACHING GALLEY

SCALE: NTS


PLUG & FERRULE
12"
GRADE
8"
COCNCRETE HOUSING (3,000 PSI)
APPROVED SEWER PIPE
45° ELBOWS
FLOW

ALTERNATE "A"


PLUG & FERRULE
12"
GRADE
8"
COCNCRETE HOUSING (3,000 PSI)
APPROVED SEWER PIPE
45° ELBOWS
60° WYE
FLOW
FLOW

ALTERNATE "B"

NOTE:

1. CLEANOUT(S) LOCATED IN TRAFFIC AREAS SHALL BE PROVIDED WITH TRAFFIC BEARING FRAME AND COVER.
2. ALTERNATE "A" IS FOR BENDS, ALTERNATE "B" IS FOR USE WITH BUILDING EXTENSION/CONNECTION.

CLEANOUT

SCALE: NTS

NYSDEC
APPROVED AS PER TERMS
AND CONDITIONS OF
PERMIT NO. [illegible]
DATE 12 of 12

PWGC

CLIENT DRIVEN SOLUTIONS

P.W. GROSSER CONSULTING ENGINEER AND HYDROGEOLOGIST, P.C.

630 Johnson Avenue. • Suite 7
Bohemia • NY • 11716-2618
Phone: (631) 589-6353 • Fax: (631) 589-8705
E-mail: INFO@PWGROSSER.COM

CONSULTANTS

7		
6		
5		
4		
3		
2		
1	REVISED GRASS AREAS AND PATH	03/23/2020

AY 4/18/2019
BAG AS NOTED

94 DUNE ROAD HOLDING CORP.
PO BOX 681
EAST QUOGUE, NY

94 DUNE ROAD

SITE PLAN

94 DUNE ROAD
EAST QUOGUE, TOWN OF SOUTHAMPTON
SUFFOLK COUNTY, NY

900-385-01-37.3 DRH
SH-XXXX

CIVIL SITE PLAN DETAILS II

4/9/2020

C-011

12 OF 12

PWGC FILE NAME: C:\Users\[illegible]\Desktop\[illegible] Set 03-24-20.dwg (DETAILS 2 - C-011 - (12))
PLOT DATE/TIME: Mar 31, 2020-1:07pm By: CUNHA