

Last Saved: 5/25/2021 10:02:11 AM  
Project: 029A-G-002.dwg  
Title: 029A-G-002.dwg  
User: gnm  
Date: 5/25/2021 10:02:11 AM  
Figure: AutoCAD, Sheet: 029A-G-002.dwg

GENERAL NOTES

- NOTIFY DIG SAFE AT 888-344-7233 TO ARRANGE FOR MARKING OUT EXISTING UNDERGROUND UTILITIES AT LEAST 72 HOURS IN ADVANCE OF EXCAVATION AT ANY GIVEN LOCATION. NOTIFY THE TOWN DEPARTMENT OF PUBLIC WORKS (DPW) FOR MARKING OUT EXISTING TOWN OWNED UTILITIES. THE DPW OFFICE PHONE NUMBER IS 781-545-8732. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR BE ALLOWED TO START ANY KIND OF EXCAVATION WORK PRIOR TO HIS OBTAINING ALL THE NECESSARY INFORMATION REGARDING THE LOCATION OF UNDERGROUND UTILITIES AT THE SITES.
- THE EXISTENCE OF UTILITIES AND APPURTENANCES AS SHOWN ON THESE DRAWINGS ARE FOR REFERENCE ONLY, AND THE EXACT SIZE, TYPE, LOCATION AND ELEVATION SHALL BE THOROUGHLY INVESTIGATED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION. FIELD MEASURE TO VERIFY EXISTING AND CONTRACT INTERFACE DIMENSIONS, LOCATIONS, AND OTHER CONDITIONS. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE WHICH MIGHT BE OCCASIONED BY FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UTILITIES.
- BASE MAPPING AND CONTOURS SHOWN ARE BASED ON MASSGIS DATA
- THE VERTICAL DATUM SHOWN HEREON IS THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD-88).
- NO WORK SHALL OCCUR WITHIN WETLAND RESOURCE AREAS UNLESS NECESSARY PERMITS ARE OBTAINED.
- MINIMUM PIPE COVER SHALL BE 4'-6" AS MEASURED FROM THE UNDERSIDE OF THE PAVEMENT, UNLESS OTHERWISE SHOWN ON THE DRAWINGS OR DIRECTED IN THE FIELD BY THE OWNER'S PROJECT REPRESENTATIVE.
- HORIZONTAL AND VERTICAL LOCATION OF WORK MAY BE MODIFIED TO FIT EXISTING FIELD CONDITIONS UPON APPROVAL OF THE ENGINEER OR OWNER.
- PERFORM ALL EXCAVATION SO THAT UNDERGROUND UTILITIES OR STRUCTURES ARE NOT DAMAGED. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE INCURRED DURING EXCAVATION OPERATIONS. REPAIR ANY EXISTING PIPE OR UTILITY DAMAGED DURING CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER.
- SHORE UTILITY TRENCHES WHERE FIELD CONDITIONS DICTATE AND/OR WHERE REQUIRED BY LOCAL, STATE AND FEDERAL HEALTH AND SAFETY CODES.
- TAKE NECESSARY MEASURES AND PROVIDE CONTINUOUS BARRIERS OF SUFFICIENT TYPE, SIZE, AND STRENGTH TO PREVENT ACCESS TO ALL WORK AND STAGING AREAS AT THE COMPLETION OF EACH DAYS WORK.
- STORE FUEL, OIL, PAINT, OR OTHER HAZARDOUS MATERIALS IN A SECONDARY CONTAINER AND REMOVE FROM THE SITE TO A LOCKED INDOOR AREA WITH AN IMPERVIOUS FLOOR DURING NON-WORK HOURS.
- PROVIDE A SUPPLY OF ABSORBENT SPILL RESPONSE MATERIALS, SUCH AS BOOMS, BLANKETS, AND OIL ABSORBENT MATERIALS AT THE CONSTRUCTION SITE AT ALL TIMES TO CLEAN UP POTENTIAL SPILLS OF HAZARDOUS MATERIALS. IMMEDIATELY REPORT SPILLS OF HAZARDOUS MATERIALS TO MASSDEP AT 888-304-1133 AND THE COMMUNITY WHERE THE WORK IS OCCURRING.
- REGRADE ALL UNPAVED AREAS DISTURBED BY THE WORK TO ORIGINAL CONTOURS OR PROPOSED CONTOURS AS REQUIRED BY THE DRAWINGS. LOAM AND SEED ALL UNPAVED AREAS DISTURBED BY THE WORK.
- PROVIDE ACCESS FOR EMERGENCY VEHICLES AT ALL TIMES.
- SUPPORT AND MAINTAIN ALL EXISTING UTILITIES AND STRUCTURES DURING CONSTRUCTION, IF REMOVAL OR RESTORATION OF ANY PART OF THE UTILITY IS NECESSARY, IT SHALL BE DONE ONLY WITH THE APPROVAL OF THE OWNER'S PROJECT REPRESENTATIVE, AND SHALL BE DONE IN ACCORDANCE WITH STANDARDS OF THE COMMUNITY WHERE WORK IS BEING PERFORMED AND THE STANDARDS OF THE UTILITY OWNER. NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK AND THE COST OF THIS WORK SHALL BE INCLUDED UNDER THE PRICES BID FOR THE VARIOUS ITEMS OF WORK.
- COMPOST FILTER TUBES AND EROSION CONTROL MEASURES SHALL BE PROVIDED AS SHOWN ON THE DRAWINGS, MAINTAINED, AND REPLACED AS NECESSARY DURING THE PROJECT.
- BOLD TEXT AND LINES INDICATE APPROXIMATE PROPOSED WORK.
- LIGHT TEXT AND LINES INDICATE APPROXIMATE EXISTING CONDITIONS.
- REPAIR/REPLACE PAVED SURFACES DISTURBED BY THE WORK IN-KIND, UNLESS NOTED OTHERWISE.
- STREET LINES AND PROPERTY LINES AS SHOWN ON THESE DRAWINGS ARE APPROXIMATE ONLY.
- NOTIFY THE OWNER'S PROJECT REPRESENTATIVE OF ANY EXISTING UTILITY DISCOVERED DURING THE WORK THAT IS NOT SHOWN ON THE DRAWINGS.
- NO EXCAVATION SHALL OCCUR ON THE LANDFILL SITE OR WITHIN 150 FEET OF THE LANDFILL CAP SYSTEM.
- CONTRACTOR SHALL PROVIDE TEMPORARY FENCE 50-FEET EACH SIDE OF OPEN EXCAVATIONS AS SPECIFIED IN SECTION 01560.
- CONTRACTOR SHALL PROVIDE CONTROLLED DENSITY FILL AT UTILITY CROSSING LOCATIONS AS DIRECTED BY THE ENGINEER.
- A TIGHE & BOND WETLAND SCIENTIST DELINEATED WETLAND RESOURCES AREA BOUNDARIES ON APRIL 7, 2021. THE DELINEATION INCLUDED INLAND BANK, MEAN HIGH TIDE (MHT) LINE, AND COASTAL DUNE. THE LIMITS OF WETLAND RESOURCE AREAS WERE LOCATED USING GLOBAL POSITIONING SYSTEMS (GPS) FOR DEPICTION ON THE PROJECT PLANS.
- THE LIMIT OF LAND SUBJECT TO COASTAL STORM FLOWAGE (LSCSF) DEPICTED AT ELEVATION 16 FEET (NAVD88) BASED ON THE FEMA FLOOD INSURANCE RATE MAP PANEL NUMBER 25023C0136K (EFFECTIVE 11/4/2016).

ABBREVIATIONS
























































@	AT	ECB	EROSION CONTROL BLANKET
ABW	ABOVE GRADE BACKWASH WATER	EF	EACH FACE
AFD	ADJUSTABLE FREQUENCY DRIVE	EFFL	EFFLUENT
AFF	ABOVE FINISHED FLOOR	EL	ELEVATION
ALUM	ALUMINUM	ELEC	ELECTRIC OR ELECTRICAL
APA	AMERICAN PLYWOOD ASSOCIATION	ELEV	ELEVATION
APPROX	APPROXIMATE	EQ	EQUAL
AST	ABOVE GRADE STORAGE TANK	EW	EACH WAY
ATS	AUTOMATIC TRANSFER SWITCH	EXIST.	EXISTING
AV	AIR VALVE	FC	FOOT CANDLE
BC	BITUMINOUS CONCRETE	FD	FLOOR DRAIN
BFP	BACKFLOW PREVENTER	FIN.	FINISH OR FINISHED
BIT.	BITUMINOUS	FLEX	FLEXIBLE
BLDG	BUILDING	FLG	FLANGE
BOR	BORING	FLR	FLOOR
B/FTG	BOTTOM OF FOOTING	FM	FLOW METER
BTM	BOTTOM	FT	FOOT OR FEET
B/WALL	BOTTOM OF WALL	FTG	FOOTING
BR	BRONZE OR BRICK	GA	GAUGE
BV	BALL VALVE OR BUTTERFLY VALVE	GALV	GALVANIZED
C	CONDUIT	GFI	GROUND FAULT CIRCUIT INTERRUPTER
CB	CATCH BASIN	GR	GRADE
CDX	EXTERIOR GRADE PLYWOOD WITH ONE SIDE RATED A 'C' GRADE & THE OTHER SIDE RATED A 'D' GRADE	GRAV	GRAVEL
		GRND	GROUND
CI	CAST IRON	GRTG	GRATING
CJ	CONSTRUCTION JOINT	GV	GATE VALVE
CL	CENTERLINE	HDPE	HIGH DENSITY POLYETHYLENE
CO	CLEAN OUT	HORIZ	HORIZONTAL
CONC	CONCRETE	HP	HORSEPOWER
CONT	CONTINUOUS	H.P.	HIGH POINT
CU	COPPER	HSE	HOUSE
		HSS	HOLLOW STRUCTURAL SECTION
DEMO	DEMOLITION	HVAC	HEATING, VENTILATING & AIR CONDITIONING
DI	DUCTILE IRON	HYD	HYDRANT
DIA, Ø	DIAMETER	ID	INSIDE DIAMETER
DISCH	DISCHARGE	IN	INCH OR INCHES
DR	DRAIN OR DRIVE	INSTR	INSTRUMENT OR INSTRUMENTATION
DWG	DRAWING	INSUL	INSULATION
E	ELECTRIC		
EA	EACH		

EROSION CONTROL NOTES

- ALL EROSION CONTROL MEASURES SHOWN, SPECIFIED AND REQUIRED BY THE ENGINEER SHALL BE INSTALLED PRIOR TO ANY CONSTRUCTION OR IMMEDIATELY UPON REQUEST. MAINTAIN ALL SUCH CONTROL MEASURES UNTIL FINAL SURFACE TREATMENTS ARE IN PLACE AND/OR UNTIL PERMANENT VEGETATION IS ESTABLISHED.
- PRIOR TO STARTING WORK, CLEARLY STAKE WORK LIMIT LINE(S). DO NOT DISTURB VEGETATION AND TOPSOIL BEYOND THE PROPOSED LIMIT LINE(S). COORDINATE WITH THE ENGINEER THE LOCATIONS FOR THE TEMPORARY STOCKPILING OF TOPSOIL DURING CONSTRUCTION.
- ANY SEDIMENT TRACKED ONTO PAVED PUBLIC RIGHT-OF-WAYS BY VEHICLES LEAVING THE PROJECT SITE SHALL BE SWEEP AWAY AT THE END OF EACH DAY.
- UTILIZE ADDITIONAL CONTROL MEASURES DURING THE CONSTRUCTION PERIOD WHEN APPLICABLE.
- ALL CATCH BASINS SHALL BE PROTECTED WITH A SILT SACK, HAY BALE RING, SILT FENCE OR BLOCK AND STONE INLET PROTECTION THROUGHOUT THE CONSTRUCTION PERIOD AND UNTIL ALL DISTURBED AREAS ARE THOROUGHLY STABILIZED.
- ALL DRAINAGE STRUCTURES SHALL BE PERIODICALLY INSPECTED BY THE CONTRACTOR AND CLEANED TO PREVENT THE BUILD-UP OF SILT.
- DISPOSE OF SEDIMENT REMOVED FROM CONTROL STRUCTURES OFF-SITE.
- INSPECT AND MAINTAIN CONTROL MEASURES THROUGHOUT THE CONSTRUCTION PERIOD. INSPECT AFTER EACH RAINSTORM AND DURING MAJOR STORM EVENTS TO DETERMINE ALL SEDIMENTATION AND EROSION CONTROL MEASURES ARE ADEQUATELY IN PLACE AND EFFECTIVE.
- UTILIZE APPROVED METHODS/MATERIALS FOR PREVENTING THE BLOWING AND MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES ONTO ADJACENT PROPERTIES AND SITE AREAS.
- MAINTAIN AN ADDITIONAL SUPPLY OF EROSION CONTROL MEASURES ON-SITE FOR EMERGENCY REPAIRS.
- EROSION CONTROL BLANKETS SHALL BE INSTALLED ON SLOPES 3:1 OR GREATER IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- SIDE SLOPES, SHOULDER AREAS AND DISTURBED VEGETATED AREAS, TO BE A MAXIMUM GRADE OF 2:1, COMPACTED, STABILIZED, LOAMED AND SEEDDED AS SHOWN ON PLANS. ALL SIDE SLOPES SHALL BE IMMEDIATELY FINE GRADED AND SEEDDED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
- DEWATER AS NECESSARY TO KEEP CONSTRUCTION AREAS FREE OF WATER. DISCHARGE WATER FROM DEWATERING TO APPROPRIATE UPLAND LOCATION WITHOUT SEDIMENTATION.
- ALL SILT-LADEN WATER MUST BE SETTLED OR FILTERED TO REMOVE SEDIMENTS PRIOR TO RELEASE IN A SEDIMENTATION OR FILTER BAG LOCATED DOWNGRADIENT OF THE DEWATERED AREA.
- PLACE EROSION AND SEDIMENTATION CONTROLS ALONG THE DOWNHILL SIDE OF ANY CONSTRUCTION RELATED (TEMPORARY) STOCKPILE OF MATERIAL. SURROUND STAGING AREAS WITH EROSION AND SEDIMENTATION CONTROLS TO LIMIT EROSION AND SEDIMENTATION, OR SECONDARY IMPACT OF WETLAND AREAS.

EQUIPMENT REFUELING AND MAINTENANCE NOTES

- THE WORK WILL OCCUR WITHIN A PUBLIC WATER SUPPLY AREA. ALL ACTIVITIES OF THE CONTRACTOR SHALL BE IN STRICT CONFORMANCE WITH ALL APPLICABLE REGULATIONS AND GUIDELINES REGARDING STORAGE OR USE OF FUEL PRODUCTS.
- SECONDARY CONTAINMENT MUST BE PROVIDED AT ALL TIMES DURING THE REFUELING PROCESS. NO TRANSFERRING OR REFUELING WILL BE ALLOWED OUTSIDE OF SECONDARY CONTAINMENT
- ANY FUEL CONTAINERS BROUGHT ONTO THE SITE SHALL INCLUDE SECONDARY CONTAINMENT AT ALL TIMES. UNDER NO CIRCUMSTANCES SHALL FUEL OR OTHER LUBRICANTS BE STORED AT THE SITE OVERNIGHT.
- MAINTENANCE OF CONSTRUCTION EQUIPMENT, INCLUDING WASHING OF CONSTRUCTION EQUIPMENT, SHALL NOT BE ALLOWED ON-SITE. CONSTRUCTION EQUIPMENT SHALL BE INSPECTED DAILY TO PREVENT THE ACCIDENTAL DISCHARGE OF OIL OR FUEL ONTO THE GROUND AT THE SITE.
- ABSORBENT SPILL RESPONSE MATERIAL INCLUDING OIL ABSORBENT MATS AND SPILL BOOMS SHALL BE KEPT ON SITE AT ALL TIMES FOR USE IN THE EVENT OF SPILLS OR ACCIDENTAL DISCHARGES. SORBENT MATERIALS SHALL BE USED TO THE MAXIMUM EXTENT POSSIBLE TO CONTAIN OR REMOVE ANY MATERIALS SPILLED OUTSIDE OF SECONDARY CONTAINMENT STRUCTURES. NOTIFY THE OWNER AND ENGINEER IMMEDIATELY IN THE EVENT OF SPILLS OR ACCIDENTAL DISCHARGES.
- THE CONTRACTOR SHALL SUBMIT A VEHICLE AND EQUIPMENT FUELING AND MAINTENANCE PLAN FOR THE PROJECT. THE CONTRACTOR SHALL ENSURE THAT ALL WORKERS ON SITE ARE FAMILIAR WITH THE PLAN AND THEIR RESPONSIBILITIES RELATIVE TO THE REFUELING AND MAINTENANCE OF EQUIPMENT AND THE STEPS NECESSARY IN THE EVENT OF SPILLS OR ACCIDENTAL DISCHARGES.

PROPOSED	LEGEND	EXISTING
	UNDERGROUND WATER MAIN	
	ABOVEGROUND BACKWASH WATER	
	UNDERGROUND BACKWASH WATER	
	OUTFALL DISCHARGE PIPE	
	UNDERGROUND STORM DRAIN	
	UNDERGROUND ELECTRIC	
	OVERHEAD ELECTRIC	
	TREELINE	
	EDGE OF DIRT ROAD	
	EDGE OF PAVEMENT (NO CURB)	
	EDGE OF PAVEMENT (WITH CURB)	
	CHAIN LINK FENCE	
	LIMIT OF INLAND BANK	
	LIMIT OF COASTAL DUNE	
	MEAN HIGH TIDE LINE	
	LAND SUBJECT TO COASTAL STORM FLOWAGE	
	50-FOOT BUFFER ZONE	
	100-FOOT BUFFER ZONE	
	200-FOOT RIVERFRONT AREA	
	MAJOR CONTOUR	
	MINOR CONTOUR	
	SEDIMENTATION AND EROSION CONTROL	
	ACCESS COVER	
	STORM MANHOLE	
	CATCH BASIN	
	WATER MANHOLE	
	TELEPHONE BOX	
	UTILITY POLE	
	LIGHT POLE	
	STREET SIGN	
	HYDRANT	
	VALVE	
	TREE OR SHRUB	
	BUILDING/STRUCTURE	
	SOIL BORING LOCATION	
	SECTION REFERENCE LETTER	
	DETAIL REFERENCE NUMBER	
	EQUIPMENT, STRUCTURES, PIPING, AND/OR CONDUITS TO BE DEMOLISHED	
	RIPRAP	



PERMIT DRAWINGS MAY 2021

Well 18B Water Treatment Plant Modifications

Town of Scituate

Scituate, Massachusetts

1	5/24/2021	PERMIT DRAWING
0	3/17/2021	CONSTRUCTION SET
MARK	DATE	DESCRIPTION
PROJECT NO: S5001-029A		
DATE: 02/24/2021		
FILE: S5001-029A-G-002.dwg		
DRAWN BY: GNM		
CHECKED BY: CJG		
APPROVED BY: JNM		
GENERAL NOTES, ABBREVIATIONS, AND LEGEND		
SCALE: AS SHOWN		
G-002		





PERMIT  
DRAWINGS  
MAY 2021

Well 18B  
Water  
Treatment  
Plant  
Modifications

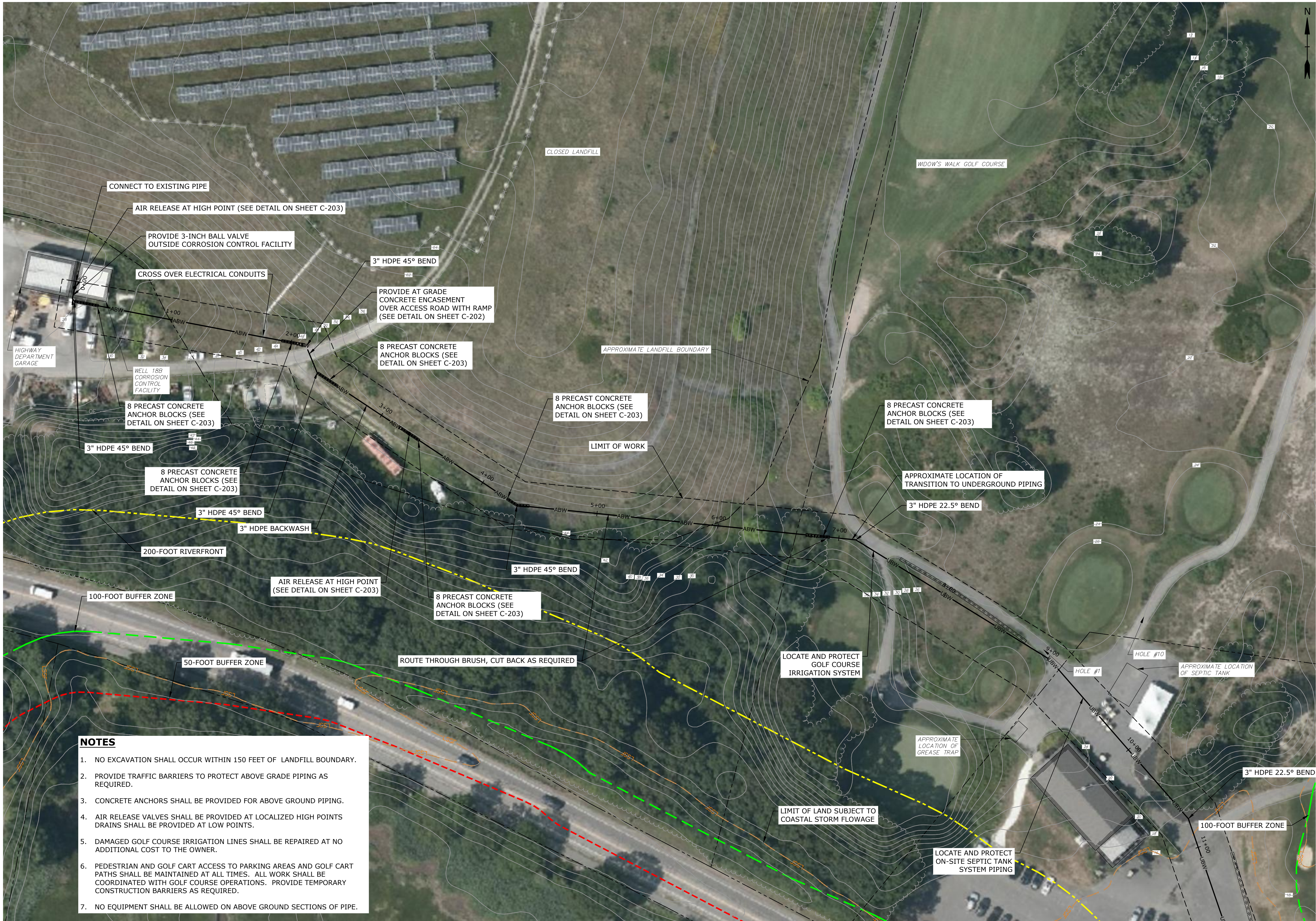
Town of  
Scituate

Scituate,  
Massachusetts

1	5/24/2021	PERMIT DRAWING
0	3/17/2021	CONSTRUCTION SET
MARK	DATE	DESCRIPTION
PROJECT NO: S5001-029A		
DATE: 02/24/2021		
FILE: S5001-029A-C-101-102.dwg		
DRAWN BY: GNM		
CHECKED BY: CJG		
APPROVED BY: JNM		

PROPOSED PLAN FILTER  
BACKWASH DISPOSAL 1 OF 2

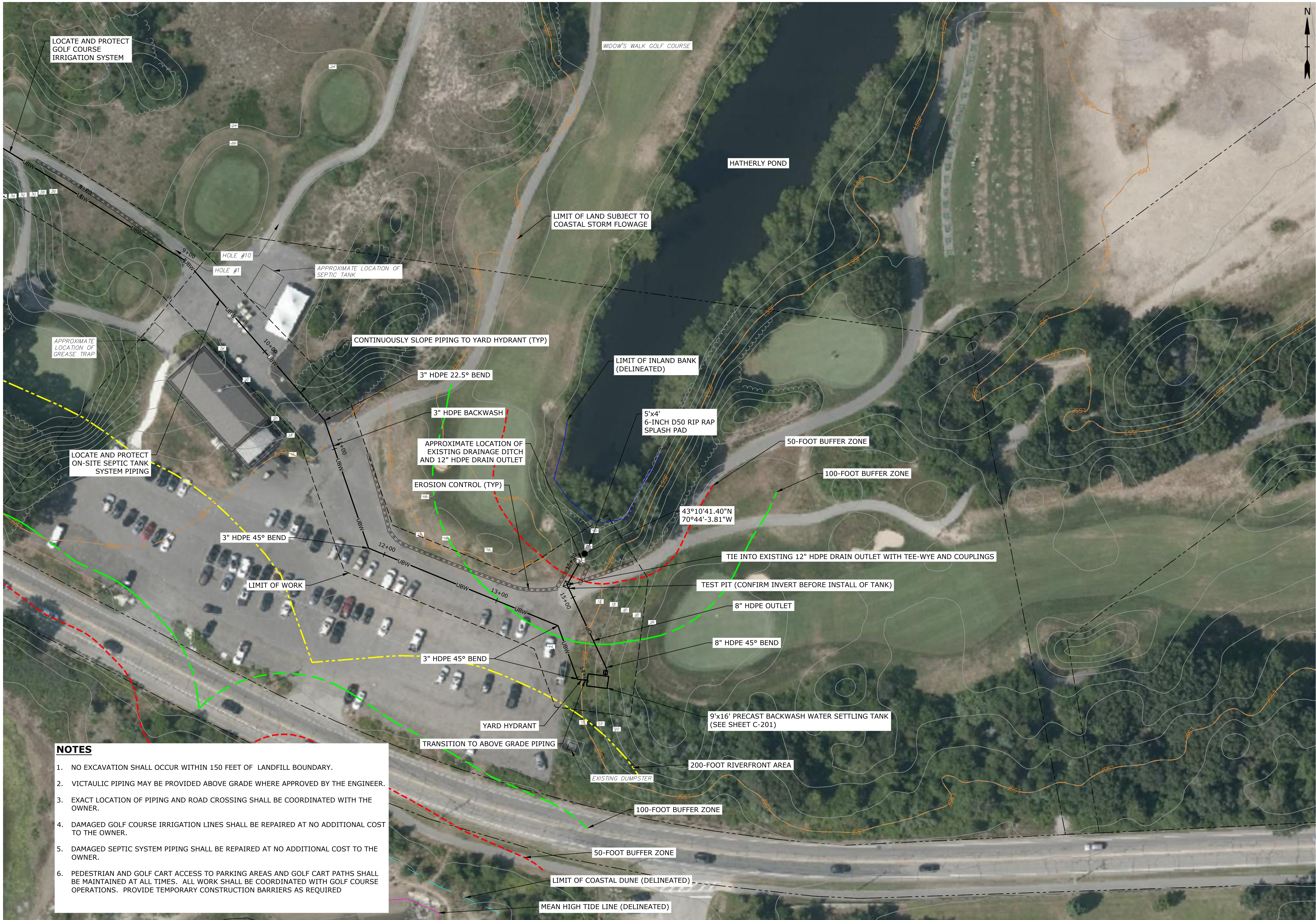
SCALE: 1" = 40'



- NOTES**
1. NO EXCAVATION SHALL OCCUR WITHIN 150 FEET OF LANDFILL BOUNDARY.
  2. PROVIDE TRAFFIC BARRIERS TO PROTECT ABOVE GRADE PIPING AS REQUIRED.
  3. CONCRETE ANCHORS SHALL BE PROVIDED FOR ABOVE GROUND PIPING.
  4. AIR RELEASE VALVES SHALL BE PROVIDED AT LOCALIZED HIGH POINTS DRAINS SHALL BE PROVIDED AT LOW POINTS.
  5. DAMAGED GOLF COURSE IRRIGATION LINES SHALL BE REPAIRED AT NO ADDITIONAL COST TO THE OWNER.
  6. PEDESTRIAN AND GOLF CART ACCESS TO PARKING AREAS AND GOLF CART PATHS SHALL BE MAINTAINED AT ALL TIMES. ALL WORK SHALL BE COORDINATED WITH GOLF COURSE OPERATIONS. PROVIDE TEMPORARY CONSTRUCTION BARRIERS AS REQUIRED.
  7. NO EQUIPMENT SHALL BE ALLOWED ON ABOVE GROUND SECTIONS OF PIPE.



Last Saved: 5/24/2021 15:13pm By: GNM  
Project: On: May 25, 2021  
Title: S5001-029A-029A-C-101-102.dwg  
User: G. Bond  
Software: DWG2020 Scituate, 188 Drawings - Figures/AutoCAD/Sheet/S5001-029A-C-101-102.dwg



**NOTES**

1. NO EXCAVATION SHALL OCCUR WITHIN 150 FEET OF LANDFILL BOUNDARY.
2. VICTAULIC PIPING MAY BE PROVIDED ABOVE GRADE WHERE APPROVED BY THE ENGINEER.
3. EXACT LOCATION OF PIPING AND ROAD CROSSING SHALL BE COORDINATED WITH THE OWNER.
4. DAMAGED GOLF COURSE IRRIGATION LINES SHALL BE REPAIRED AT NO ADDITIONAL COST TO THE OWNER.
5. DAMAGED SEPTIC SYSTEM PIPING SHALL BE REPAIRED AT NO ADDITIONAL COST TO THE OWNER.
6. PEDESTRIAN AND GOLF CART ACCESS TO PARKING AREAS AND GOLF CART PATHS SHALL BE MAINTAINED AT ALL TIMES. ALL WORK SHALL BE COORDINATED WITH GOLF COURSE OPERATIONS. PROVIDE TEMPORARY CONSTRUCTION BARRIERS AS REQUIRED



**PERMIT  
DRAWINGS  
MAY 2021**

**Well 18B  
Water  
Treatment  
Plant  
Modifications**

Town of  
Scituate

Scituate,  
Massachusetts

1	5/24/2021	PERMIT DRAWING
0	3/17/2021	CONSTRUCTION SET
MARK	DATE	DESCRIPTION
PROJECT NO: S5001-029A		
DATE: 02/24/2021		
FILE: S5001-029A-C-101-102.dwg		
DRAWN BY: GNM		
CHECKED BY: CJG		
APPROVED BY: JNM		

PROPOSED PLAN FILTER  
BACKWASH DISPOSAL 2 OF 2

SCALE: 1" = 40'