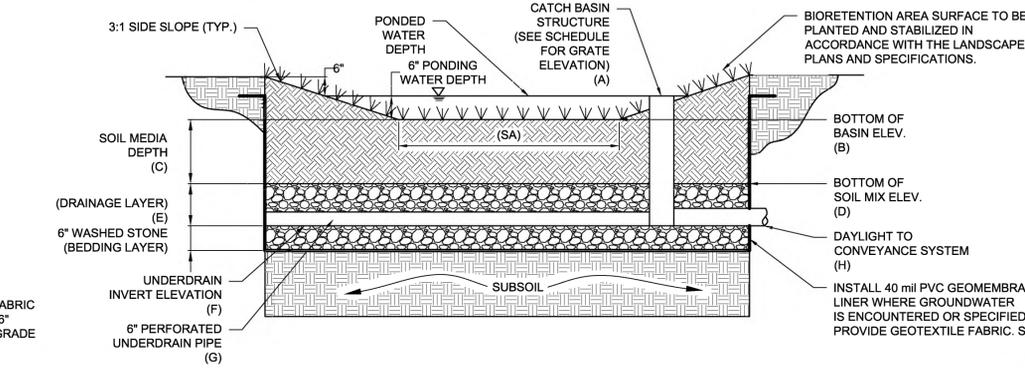


NOTES:

- REFER TO PLANS FOR AREA OF RIPRAP.

EMERGENCY SPILLWAY SCHEDULE				
POND	A (ft)	B (ft)	C (in)	D (in)
DET-1	20	1.5	6	14

1 EMERGENCY SPILLWAY DETAIL
N.T.S.

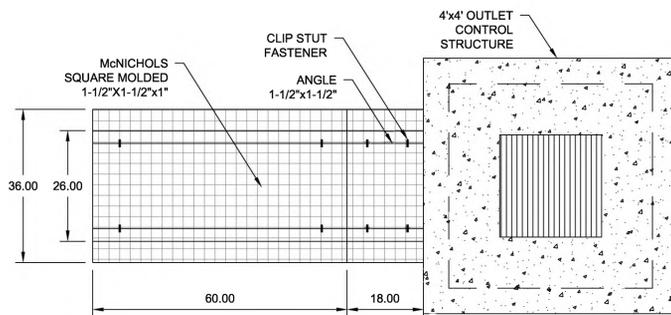


Bioretention Area Schedule														
Bioretention Area No.	Surface Area (sf) (SA)	Outlet Structure No.	Outlet Structure Dimension	Frame and Grate number	Overflow Grate Elev. (A)	Bottom of Basin Elev. (B)	Depth of Soil Mix (ft) (C)	Bottom of Soil Mix Elevation (D)	Depth of Drainage/Gravel Course (ft) (E)	Underdrain Invert Elev. (F)	Underdrain Pipe Diameter (in) (G)	Outlet Pipe Invert Elev. (H)	Length of Underdrain (ft)	No. of Cleanouts
BIORETENTION 1	3,570	OCS BIO-1	4'-0"x4'-0"	#3247	1342.23	1341.73	2.5	1339.23	1	1338.23	6.0	1337.39	225.0	7

NOTES:

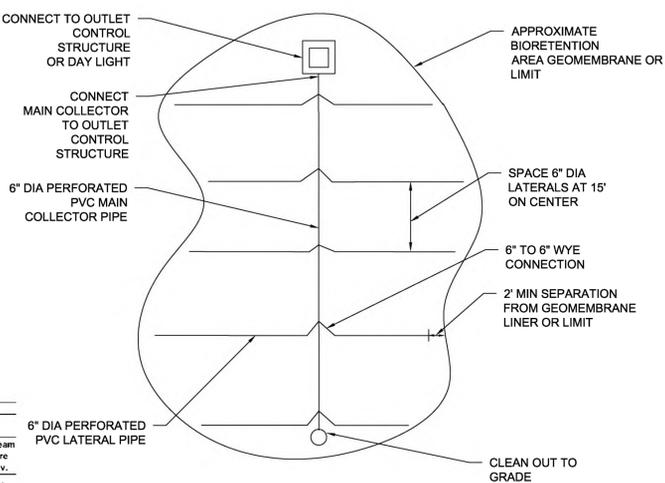
- REFER TO CONTRACT SPECIFICATION SECTION 320513 "SOILS FOR EXTERIOR IMPROVEMENTS" FOR BIORETENTION AREA SOIL MEDIA DESIGN.
- BIORETENTION BASIN SURFACE AREA IS MEASURED FROM THE ELEVATION OF THE OVERFLOW CATCH BASIN.
- GROUNDWATER SHALL BE DETERMINED BY FIELD INVESTIGATION (TEST PIT) AT ALL BIORETENTION POND LOCATIONS. GEOMEMBRANE LINER IS REQUIRED WHERE GROUNDWATER IS ENCOUNTERED AT LEAST 2 FT BELOW BEDDING LAYER.
- REFER TO SPECIFICATION SECTIONS 334100 "STORM DRAINAGE UTILITY PIPING", SECTION 320513 "SOILS FOR EXTERIOR IMPROVEMENTS" AND SECTION 329200 "PLANTING, OPERATION AND MAINTENANCE OF PLANTING" FOR SUBMITTAL, MATERIAL, AND INSTALLATION REQUIREMENTS.

2 BIORETENTION AREA DETAIL AND SCHEDULE
N.T.S.

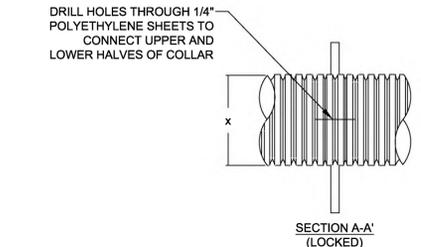
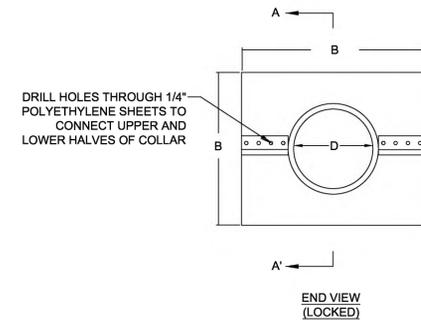
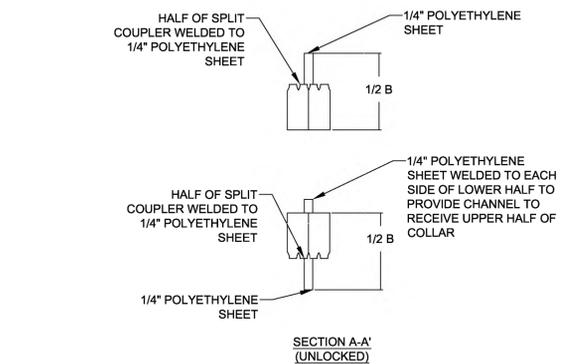
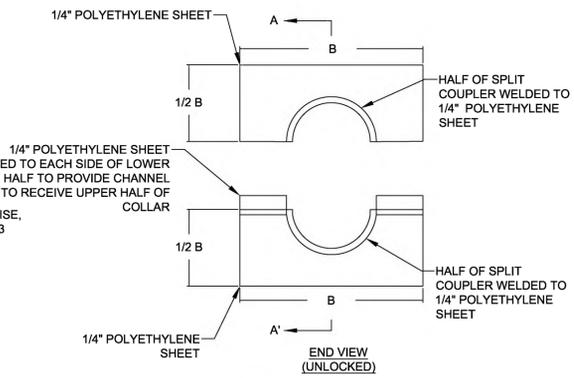


3 TRASH RACK DETAIL
N.T.S.

4 EXISTING EMERGENCY SPILLWAY SWALE SECTION
N.T.S.



6 TYPICAL BIORETENTION UNDERDRAIN LAYOUT DETAIL
N.T.S.



Seepage Collar Schedule									
Pond	Upstream structure	100 Yr. WSE (ft)	Pipe Diameter (ft)	Distance from Upstream Structure (ft)	Spacing (ft)	Ls (ft)	No. of Collars	Collar Projection, V (ft)	Collar Size B, (ft)
1	OCS DET-1	1343	1	4.5	9	24	2	0.85	2.75

NOTE

SEE POND SELECTION DETAIL SCHEDULE FOR ANTI-SEEPAGE COLLAR DIMENSIONS

7 ANTI-SEEPAGE COLLAR DETAIL
N.T.S.

Pond Schedule		Pond Outlet Structure Schedule																					
Pond No.	Basin side slopes	Berm width (ft)	Bottom of Basin Elev. (ft)	Emergency Spillway Top of Berm Elev. (ft)	Structure No.	Interior Length (ft)	Interior Width (ft)	Low Flow Orifice Inv. Elev. (ft)	Width of Opening (in.)	Height of Opening (in.)	No. of Openings	High Flow Opening (Vertical) Inv. Elev. (ft)	Width of Opening (in.)	Height of Opening (in.)	Overflow Grate Grate Elev. (ft)	Grate Width (ft)	Grate Length (ft)	Outlet Structure Inv. Elev. (ft)	Length (ft)	Slope (ft/ft)	Diameter (in.)	Downstream Structure No.	Downstream Structure Inv. Elev. (ft)
1	2H:1V	5	1337.00	1342.50	1343.50	OCS DET-1	4	4	1,337.00	4	3	1,338.50	10	5	1,346.07	2	2	1,337.00	30	0.017	12	FES-3	1,336.50

5 PRECAST 4'X4' OCS DET-1
N.T.S.



SONNY KONG, P.E.

REVISIONS		
No.	DATE	DESCRIPTION

PROJECT
MONSTER GOLF MAINTENANCE BUILDING FINAL DESIGN

DRAWN BY JWH	CHECKED BY SK
SCALE AS NOTED	DATE 06/28/2019

SHEET TITLE
DETAILS

SHEET NO.
C-907
SHEET 16 OF 18