

S				
		SC/	ALE	
	0	20	40	60
		FE	ΕT	

	STORMWATER MANAGEMENT FACILITY CONSTRUCTION SEQUENCE AND NOTES: THE STORMWATER MANAGEMENT FACILITY SHALL FUNCTION AS A SEDIMENT BASIN DURING ROADWAY CONSTRUCTION AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING SECTIONS OF THE STANDARD SPECIFICATIONS: SECTION 271 - STORMWATER MANAGEMENT POND SECTION 272 - POND OUTLET STRUCTURE, CONCRETE
	1. INSTALL STABILIZED CONSTRUCTION ENTRANCE PER CONSTRUCTION PHASING, MOT AND EROSION AND SEDIMENT CONTROL PLANS.
	2. CLEAR AND GRUB FOR INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROLS.
	3. INSTALL PERIMETER SEDIMENT CONTROLS AS SHOWN ON THE CONSTRUCTION PHASING PLANS, MOT AND EROSION AND SEDIMENT CONTROL PLANS.
	4. CLEAR AND GRUB REMAINING AREA FOR STORMWATER MANAGEMENT FACILITY CONSTRUCTION.
) / /	5. CONSTRUCT BASIN OUTLET WEIR WALL STRUCTURE AND RIPRAP PROTECTION AT OUTLET AS SHOWN. DE-WATER FOUNDATION AS NEEDED IN ACCORDANCE WITH SECTION 111 AND USE SUMP PIT FOR PUMPING. LOCATION OF SUMP PIT TO BE DETERMINED IN FIELD. INSTALL SKIMMER DEWATERING DEVICE AND OTHER TEMPORARY MODIFICATIONS AS NOTED ON CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLANS, SHEET CS-204.
	6. EXCAVATE THE FACILITY AND COMPLETE THE BASIN TO LINES, GRADES, AND DETAILS SHOWN IN THE CONSTRUCTION PLANS; HOWEVER, GRADING SHALL ONLY BE COMPLETED TO 2-FEET ABOVE THE PERMANENT BOTTOM OF THE INFILTRATION BASIN TO PREVENT CLOGGING OF THE PERMANENT FACILITY. DURING EXCAVATION, THE CONTRACTOR SHALL SALVAGE AND STOCKPILE ANY SOILS CLASSIFIED AS CH, CL, CH, AND GM PER THE UNIFIED SOIL CLASSIFICATION SYSTEM TO BE USED TO CONSTRUCT EMBANKMENT. THE ABOVE CLASSIFIED SOILS MAY BE OBTAINED FROM ELSEWHERE WITHIN THE PROJECT LIMITS.
	7. STABILIZE ALL BARE AREAS BELOW 38.00, INCLUDING THE BOTTOM OF THE BASIN, WITH WET SEED MIX AND ABOVE 38.00 WITH DRY SEED MIX IN ACCORANCE WITH TURF ESTABLISHMENT SPECIFICATIONS.
	<u>MAINTENANCE OF STORMWATER MANAGEMENT FACILITY AS A SEDIMENT BASIN</u> 1. CONTRACTOR SHALL INSPECT THE BASIN IMMEDIATELY AFTER EVERY RAIN AND MAKE REPAIRS AS NEEDED.
	2. CONTRACTOR SHALL CLEARLY MARK THE CLEANOUT ELEVATION, 39.38, ON A STAKE DRIVEN INTO THE GROUND AT A LOCATION CLEARLY VISIBLE FROM THE EMBANKMENT. SEDIMENT SHALL BE REMOVED WHEN CLEANOUT ELEVATION IS REACHED AND DISPOSED OF AT A LOCATION APPROVED BY THE ENGINEER.
	<u>CONVERSION TO PERMANENT STORMWATER MANAGEMENT FACILITY</u> 1. CONVERT THE BASIN INTO THE PERMANENT STORMWATER MANAGEMENT FACILITY AFTER ALL AREAS DRAINING TO THE BASIN HAVE BEEN PERMANENTLY STABILIZED AND THE ENGINEER HAS APPROVED THE CONVERSION.
	2. REMOVE EXCESS ACCUMULATED SEDIMENT ON THE POND BOTTOM AND BENCHES, IF ANY, AND COMPLETE EXCAVATION TO THE SPECIFIED FINISHED LINES AND GRADES SHOWN ON THE PLAN AND DISPOSE SEDIMENT AND EXCAVATED MATERIALS AT A LOCATION APPROVED BY THE ENGINEER. SEDIMENT REMOVAL AND EXCAVATION TO FINAL GRADES SHALL BE PAID UNDER ITEM 250000-SEDIMENT REMOVAL.
	3. PUMP DOWN STANDING WATER IN THE BASIN AS NECESSARY.
	4. COMPLETE STABILIZATION OF ALL BARE AREAS, REMOVE EROSION AND SEDIMENT CONTROL MEASURES AND REMOVE SKIMMER DEWATERING DEVICE AND PLYWOOD.
-	

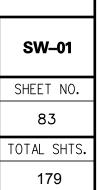
BMP NO. 756 – DESIGN SUMMARY								
DESIGN STORM	FACILITY INFLOW (CFS)	FACILITY DISCHARGE (CFS)	WATER SURFACE ELEVATION	STORAGE VOLUME (AC-FT)				
1-YEAR	3.3	0.0	38.00	0.00				
10-YEAR	9.0	1.2	39.30	0.53				
100-YEAR	18.6	4. 2	40.28	1.05				

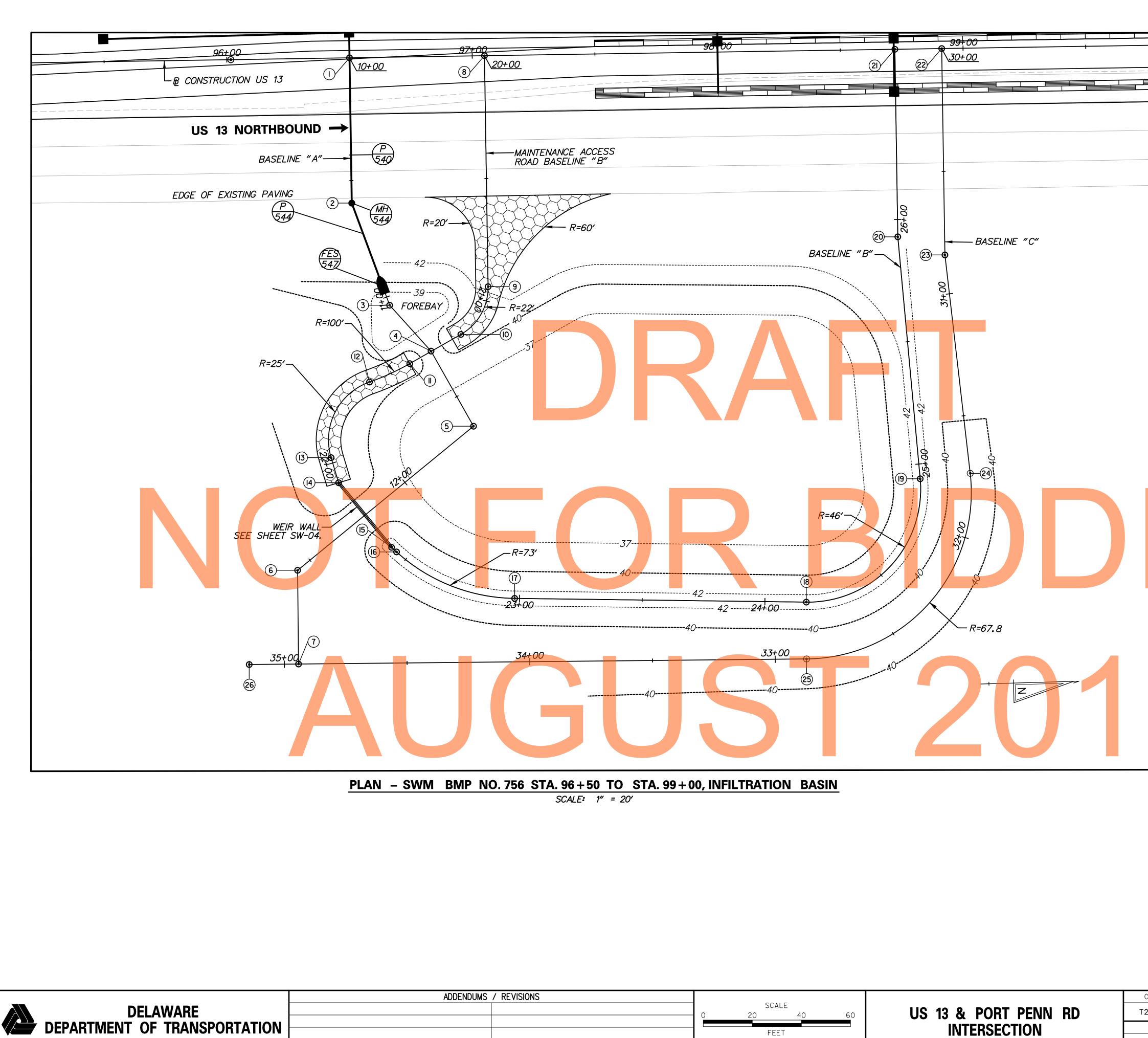
HAZARD CLASSIFICATION "A" AS PER POND CODE 378

DRAINAGE AREA TO FACILITY: 4.47 ACRES

MANAGEMENT PROVIDED BY FACILITY: WATER QUALITY CONTROL VIA INFILTRATION FOR 1-YEAR RESOURCE PROTECTION STORM AND QUANTITY CONTROL FOR THE 10 AND 100-YEAR EVENTS.

CONTRACT	BRIDGE NO.	
201011302		STORMWATER
COUNTY	DESIGNED BY: DLH	MANAGEMENT PLAN BMP 756
W CASTLE	CHECKED BY: JDC	DIVIP / 30





VISIONS	0	SCA 20	40	60	US 13 & PORT PENN RD INTERSECTION
		FEE	ΞT		INTERSECTION

BASELINE "A" STAKEOUT INFORMATION								
POINT NO.	STATION	NORTHING	EASTING					
1	POB STA.10+00.00	551929.96	59059I . 55					
2	PI STA.10+59.18	55l929 . l7	590650.73					
3	PI STA.II+03.54	551943.40	590692.75					
4	PI STA.II+28.70	551959.72	5907II . 90					
5	PI STA.II+63.86	551976.14	590742.99					
6	PI STA.12+56.50	551902.80	590799 . 57					
7	POE STA.12+94.68	551902.08	590837.74					

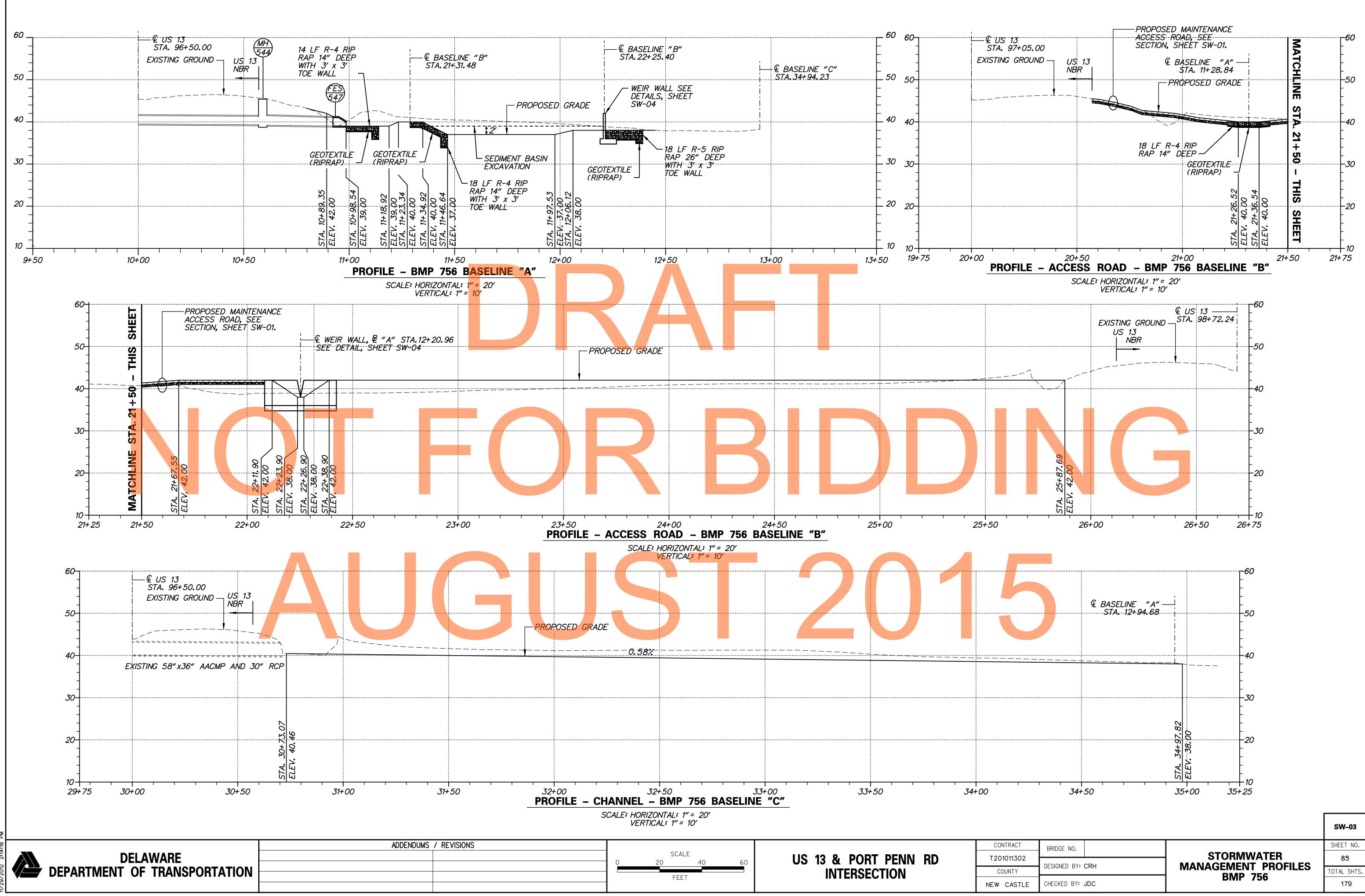
ACCESS ROAD BASELINE "B" STAKEOUT INFORMATION							
POINT NO.	STATION	NORTHING	EASTING				
8	POB STA.20+00.00	551984.95	590592 . 28				
9	PC STA.20+94.08	551983.71	590686 . 35				
10	PT STA.2I+I7.56	551972.06	590705 . 47				
I	PI STA.2I+4I.54	551950.91	590716.75				
12	PRC STA.2I+59.60	551934.29	590723.78				
13	PT STA.2I+97.73	551917.77	590754 . II				
14	PI STA. 22+08.40	551920.55	590764.40				
15	PI STA. 22+42.40	551941.32	59079I . 32				
16	PC STA.22+45.18	551943.32	590793 . 25				
17	PT STA.22+92.02	551990.87	5908I3 . 55				
18	PC STA.24+16.87	552109.61	590818.50				
19	PT STA.24+93.97	552157.44	590769 . 63				
20	PI STA.25+92.92	552151.16	590670 . 87				
21	POE STA.26+69.31	552I52 . I7	590594.49				

CHANNEL BASELINE "C" STAKEOUT INFORMATION								
POINT NO.		STATION	NORTHING	EASTING				
22		POB STA.30+00.00	552171 . 2491	590594.74				
23		PISTA.30+84.06	552170 . 1391	590678.79				
24		PC STA.3I+73.60	552177.8672	590768.00				
25		PT STA.32+87.23	552109.0479	590841.63				
26		POE STA <mark>.35+I4.32</mark>	551881.9924	590837.36				

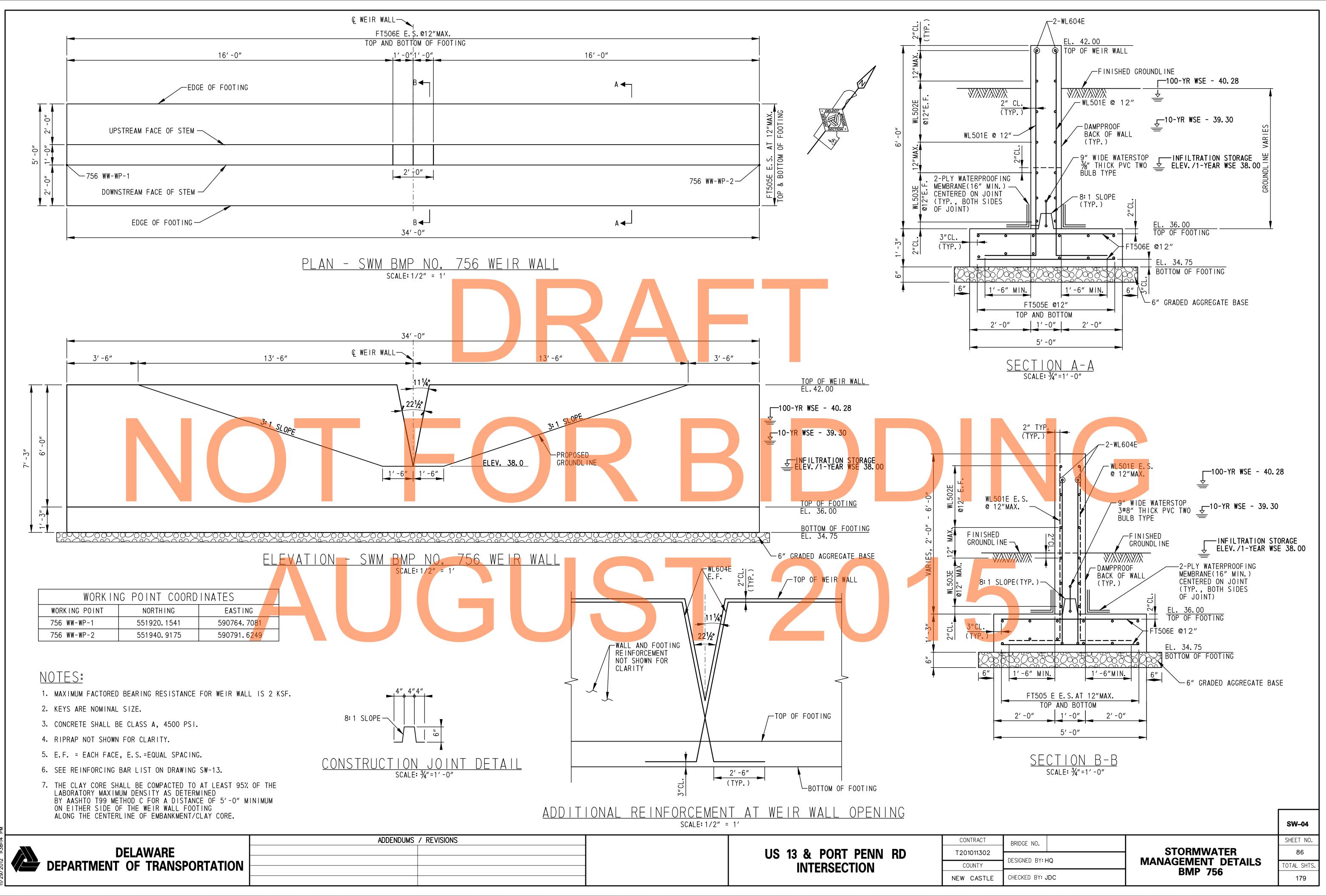
CONTRACT	BRIDGE NO.				
T001011700					
T201011302	DESIGNED BY: CRH				
COUNTY	DESIGNED BI. CRH				
NEW CASTLE	CHECKED BY: JDC				

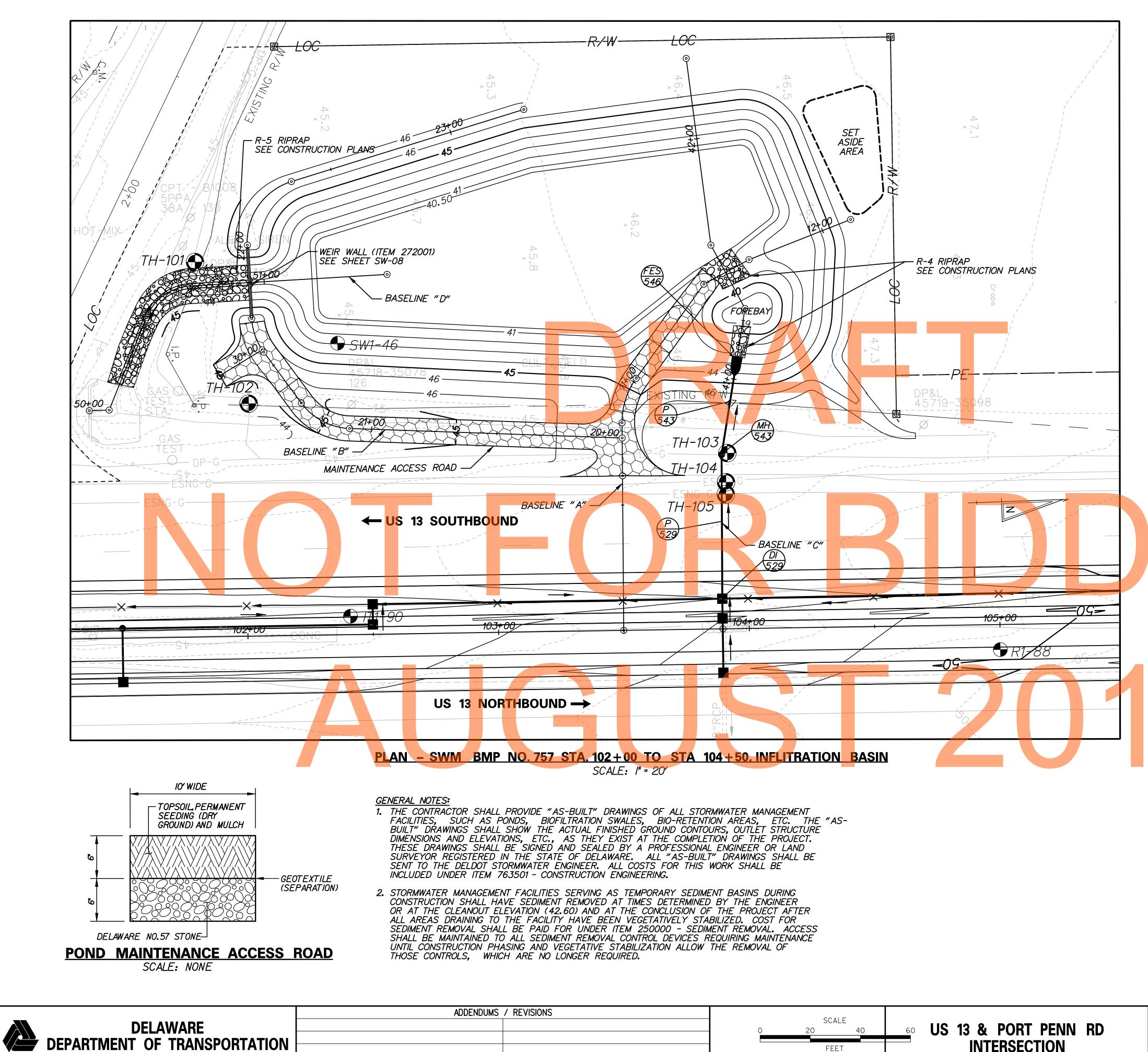


SW-02 SHEET NO. 84 TOTAL SHTS.



3-000\Contract 1D\CADD\SW03-96BU301_1D.dgn





DNS	SCALE O 20 40 FEET	60 US 13 & PORT PENN RD INTERSECTION	C0 T20 C(NEW
			NEW

STORMWATER MANAGEMENT FACILITY CONSTRUCTION SEQUENCE AND NOTES: THE STORMWATER MANAGEMENT FACILITY SHALL FUNCTION AS A SEDIMENT BASIN DURING ROADWAY CONSTRUCTION AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING SECTIONS OF THE STANDARD SPECIFICATIONS: SECTION 271 - STORMWATER MANAGEMENT POND SECTION 272 - POND OUTLET STRUCTURE, CONCRETE

- 1. INSTALL STABILIZED CONSTRUCTION ENTRANCE PER CONSTRUCTION PHASING. MOT AND EROSION AND SEDIMENT CONTROL PLANS.
- 2. CLEAR AND GRUB FOR INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROLS.
- 3. INSTALL PERIMETER SEDIMENT CONTROLS AS SHOWN ON THE CONSTRUCTION PHASING PLANS, MOT AND EROSION AND SEDIMENT CONTROL PLANS.
- 4. CLEAR AND GRUB REMAINING AREA FOR STORMWATER MANAGEMENT FACILITY CONSTRUCTION.
- 5. CONSTRUCT BASIN OUTLET WEIR WALL STRUCTURE AND RIPRAP PROTECTION AT OUTLET AS SHOWN. DE-WATER FOUNDATION AS NEEDED IN ACCORDANCE WITH SECTION 111 AND USE SUMP PIT FOR PUMPING. LOCATION OF SUMP PIT TO BE DETERMINED IN FIELD. INSTALL SKIMMER DEWATERING DEVICE AND OTHER TEMPORARY MODIFICATIONS AS NOTED ON CONSTRUCTION PHASING, M.O.T. AND EROSION CONTROL PLANS, SHEET CS-204.
- 6. EXCAVATE THE FACILITY AND COMPLETE THE BASIN TO LINES, GRADES, AND DETAILS SHOWN IN THE CONSTRUCTION PLANS; HOWEVER, GRADING SHALL ONLY BE COMPLETED TO 1-FOOT ABOVE THE PERMANENT BOTTOM OF THE INFILTRATION BASIN TO PREVENT CLOGGING OF THE PERMANENT FACILITY. DURING EXCAVATION, THE CONTRACTOR SHALL SALVAGE AND STOCKPILE ANY SOILS CLASSIFIED AS CH, CL, CH, AND GM PER THE UNIFIED SOIL CLASSIFICATION SYSTEM TO BE USED TO CONSTRUCT EMBANKMENT. THE ABOVE CLASSIFIED SOILS MAY BE OBTAINED FROM ELSEWHERE WITHIN THE PROJECT LIMITS.
- 7. STABILIZE ALL BARE AREAS BELOW 41.50, INCLUDING THE BOTTOM OF THE BASIN, WITH WET SEED MIX AND ABOVE 41.50 WITH DRY SEED MIX IN ACCORANCE WITH TURF ESTABLISHMENT SPECIFICATIONS.

MAINTENANCE OF STORMWATER MANAGEMENT FACILITY AS A SEDIMENT BASIN 1. CONTRACTOR SHALL INSPECT THE BASIN IMMEDIATELY AFTER EVERY RAIN AND MAKE REPAIRS AS NEEDED.

2. CONTRACTOR SHALL CLEARLY MARK THE CLEANOUT ELEVATION, 42.60, ON A STAKE DRIVEN INTO THE GROUND AT A LOCATION CLEARLY VISIBLE FROM THE EMBANKMENT. SEDIMENT SHALL BE REMOVED WHEN CLEANOUT ELEVATION IS REACHED AND DISPOSED OF AT A LOCATION APPROVED BY THE ENGINEER.

- CONVERSION TO PERMANENT STORMWATER MANAGEMENT FACILITY CONVERT THE BASIN INTO THE PERMANENT STORMWATER MANAGEMENT FACILITY AFTER ALL AREAS DRAINING TO THE BASIN HAVE BEEN PERMANENTLY STABILIZED AND THE ENGINEER HAS APPROVED THE CONVERSION.
- 2. REMOVE EXCESS ACCUMULATED SEDIMENT ON THE POND BOTTOM AND BENCHES, IF ANY, AND COMPLETE EXCAVATION TO THE SPECIFIED FINISHED LINE'S AND GRADES SHOWN ON THE PLAN AND DISPOSE SEDIMENT AND EXCAVATED MATERIALS AT A LOCATION APPROVED BY THE ENGINEER. SEDIMENT REMOVAL AND EXCAVATION TO FINAL GRADES SHALL BE PAID UNDER ITEM 250000-SEDIMENT REMOVAL.

3. PUMP DOWN STANDING WATER IN THE BASIN AS NECESSARY.

COMPLETE STABILIZATION OF ALL BARE AREAS. REMOVE EROSION AND SEDIMENT CONTROL MEASURES AND REMOVE SKIMMER DEWATERING DEVICE AND PLYWOOD.

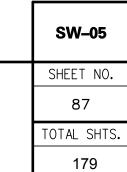
BMP NO. 757 – DESIGN SUMMARY									
DESIGN STORM	FACILITY INFLOW (CFS)	FACILITY DISCHARGE (CFS)	WATER SURFACE ELEVATION	STORAGE VOLUME (AC-FT)					
1-YEAR	6.5	0.0	42.00	0.30					
10-YEAR	15.3	2.4	43.84	0.67					
100-YEAR	29.3	8.0	45.03	1.19					

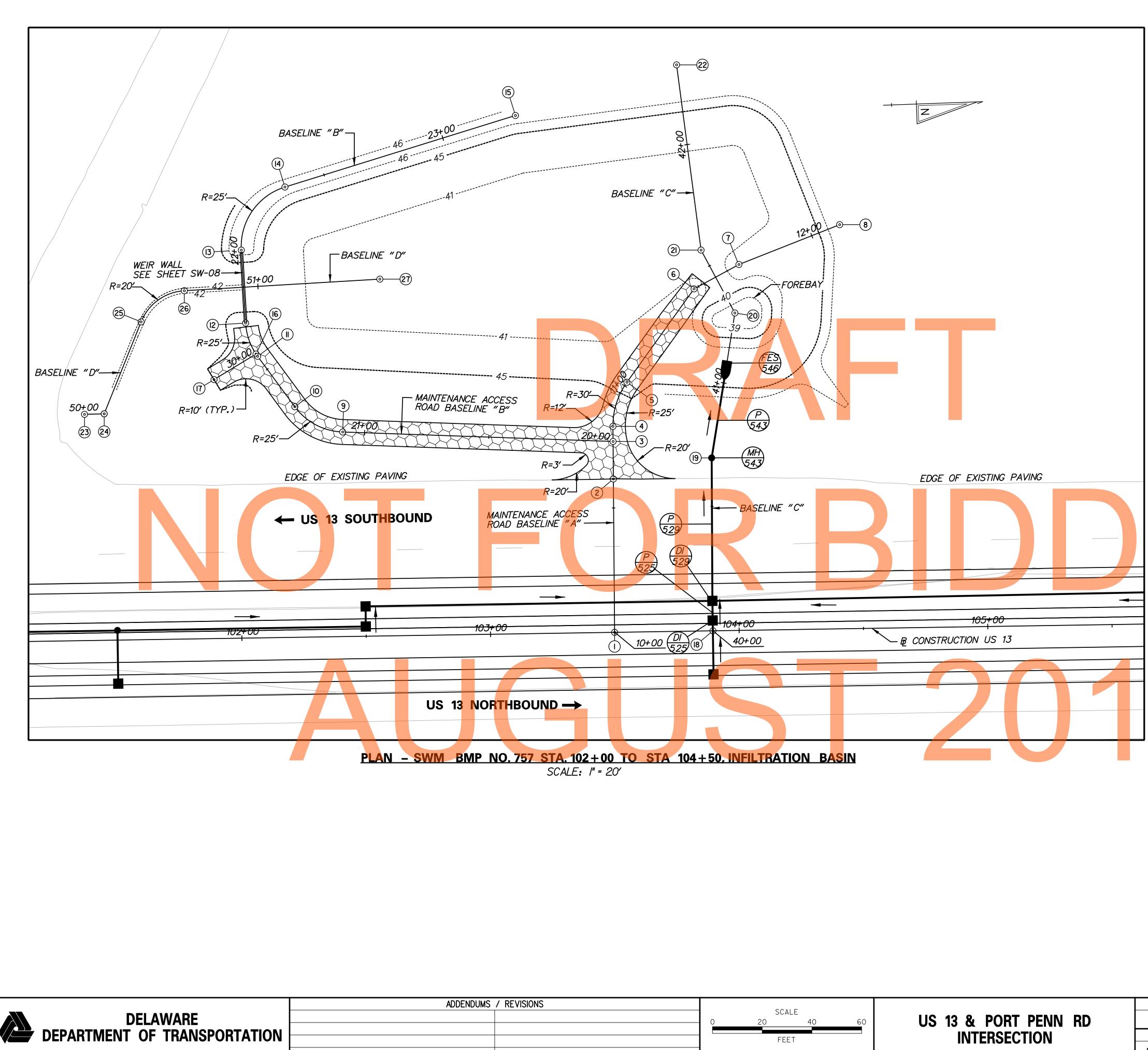
HAZARD CLASSIFICATION "A" AS PER POND CODE 378

DRAINAGE AREA TO FACILITY: 4.86 ACRES

MANAGEMENT PROVIDED BY FACILITY: WATER QUALITY CONTROL VIA INFILTRATION FOR 1-YEAR RESOURCE PROTECTION STORM AND QUANTITY CONTROL FOR THE 10 AND 100-YEAR EVENTS.

CONTRACT	BRIDGE NO.	
201011302		STORMWATER
COUNTY	DESIGNED BY: DLH	MANAGEMENT PLAN BMP 757
W CASTLE	CHECKED BY: JDC	DIVIP /5/





NS	00445	
	SCALE 0 <u>2040</u> 60	US 13 & PORT PENN RD
	FEET	INTERSECTION

ACCESS ROAD BASELINE "A" STAKEOUT INFORMATION				
POINT NO.	STATION	NORTHING	EASTING	
1	POB STA.10+00.00	552629.81	590600.80	
2	PI STA.10+61.66	55263I . 09	590539 . I5	
3	PI STA.10+76.74	55263I . 40	590524.08	
4	PC STA.IO+82.79	55263I . 52	590518.02	
5	PT STA.II+0I.73	552637.67	590500.44	
6	PI STA.11+47.96	552665.72	590463.70	
7	PI STA.II+68.49	552684.04	590454.43	
8	POE STA.12+12.06	552725.00	590439 . 60	

Α	ACCESS ROAD BASELINE "B" STAKEOUT INFORMATION				
POINT NO.	STATION	NORTHING	EASTING		
3	POB STA.20+00.00	55263I . 40	590524.08		
9	PC STA.2I+08.80	552522.82	5905l7 . l4		
10	PT STA.2I+3I.32	552503.87	590506.44		
I	PC STA.2I+56.5I	552489.51	590485.74		
12	PT STA.2I+70.9I	552485.06	590472.25		
13	PC STA.22+00.29	552484.17	590442.88		
14	PT STA.22+33.52	552502.44	590418.04		
15	POE STA.23+30.58	552595.93	590391.96		
16	POB STA,30+00.00	552488.86	590484.81		
17	POE STA.30+19.75	552471.70	590494.57		

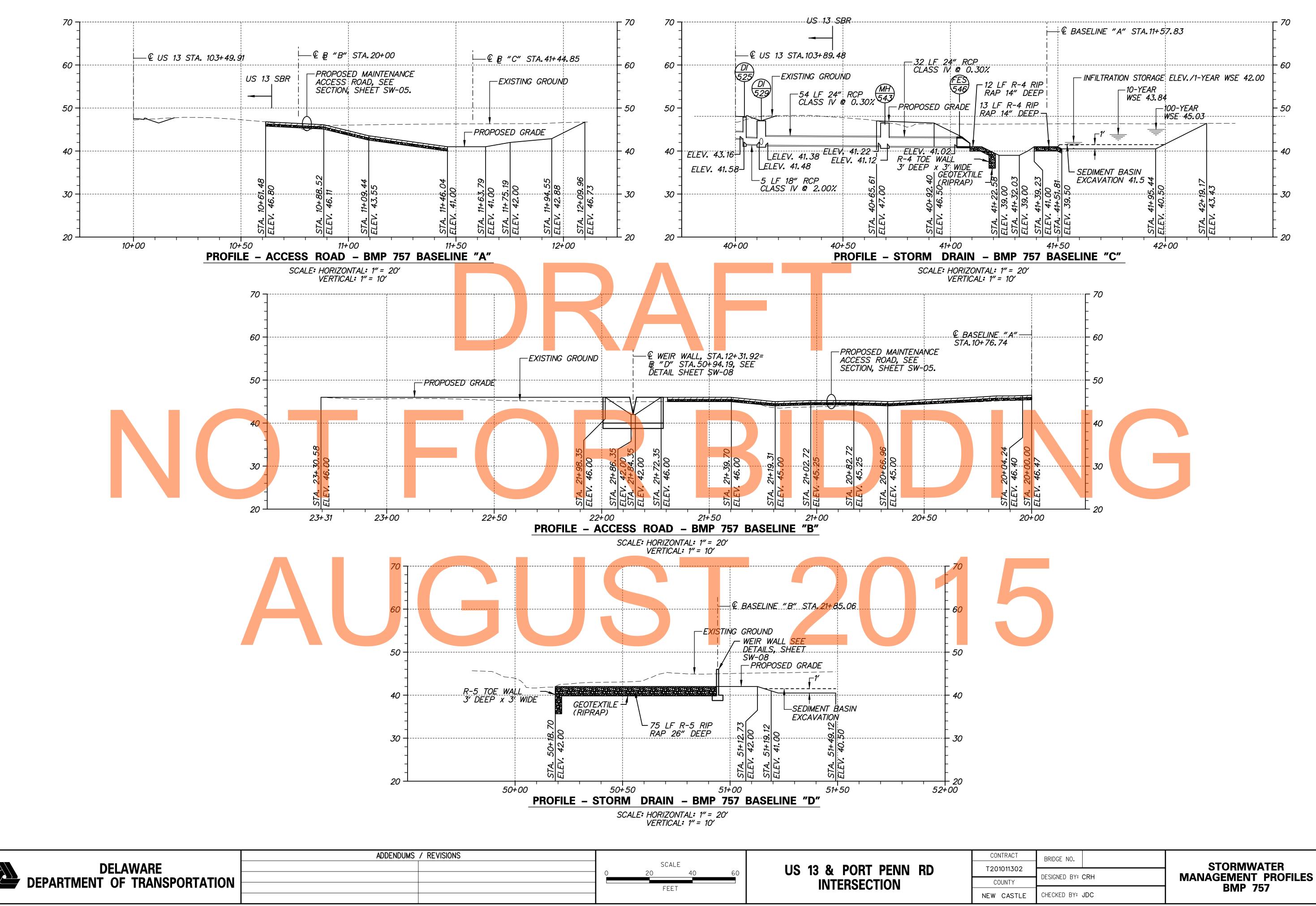
BASELINE "C" STAKEOUT INFORMATION					
POINT NO.	STATION	NORTHING	EASTING		
18	POB STA.40+00.00	552669.37	59060I . 32		
19	PI STA.40+69.51	552670.85	59053I . 83		
20	PI STA.4I+28.5I	552681.86	590473 . 86		
21	PI STA.4I+57.2I	552669.00	590448.20		
22	POE STA.42+32.32	552661.29	590373 . 48		

BASELINE "D" STAKEOUT INFORMATION					
POINT NO.	STATION	NORTHING	EASTING		
23	POB STA.50+00.00	552419.24	590507.05		
24	PI STA.50+07.92	552427 . I6	590507.06		
25	PC STA.50+47.75	552443.05	590470 . 55		
26	PT STA.50+70.34	552460.78	590458.54		
27	POE STA.5I+49.12	552539 . 53	590456.15		

CONTRACT BRIDGE NO. T201011302 DESIGNED BY: DLH COUNTY CHECKED BY: JDC NEW CASTLE



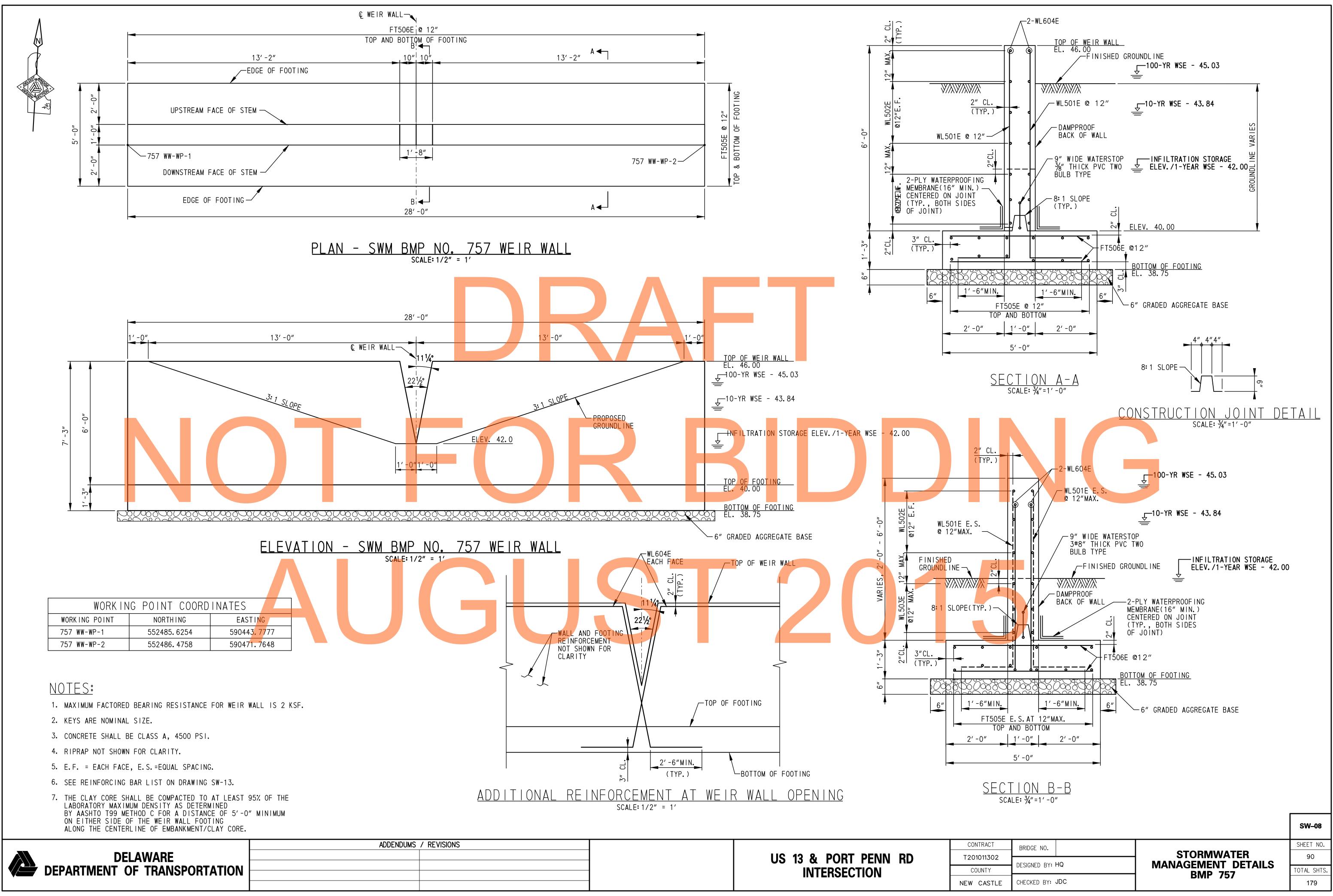
SW-06 SHEET NO. 88



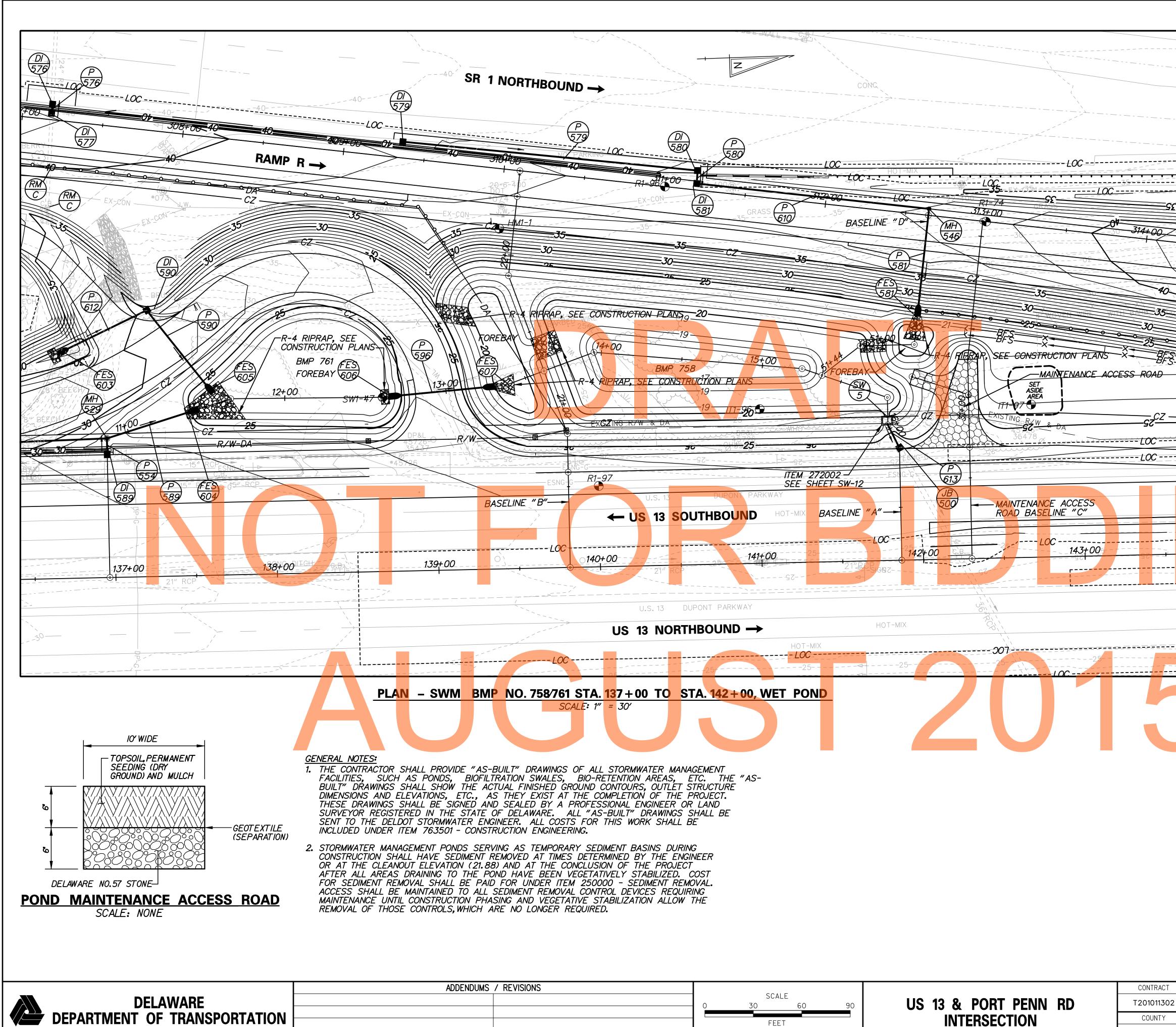
CONTRACT	BRIDGE NO.	
201011302		
201011302	DESIGNED BY: CRH	
COUNTY		
W CASTLE	CHECKED BY: JDC	

SW-07 SHEET NO. 89

OTAL SHTS 179



N	E	W



IS			. –		
		SCA	LE		
	0	30	60	90	U
					_
		FEE	ET		

NEW

SEDMENT BASIN DURING ROADWAY CONSTRUCTION AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING SECTIONS OF THE STANDARD SPECIFICATIONS: SECTION 272 - STOND OUTLET STRUCTURE, CONCRETE 1. INSTALL STABILIZED CONSTRUCTION ENTRANCE PER CONSTRUCTION PHASING, MOT AND EROSION AND SEDMENT CONTROL PLANS. 2. CLEAR AND GRUB FOR INSTALLATION OF PERMETER EROSION AND SEDMENT CONTROLS. 3. INSTALL PERMETER SEDMENT CONTROLS AS SHOWN ON THE CONSTRUCTION PHASING PLANS, MOT AND EROSION AND SEDMENT CONTROL PLANS. 4. CLEAR AND GRUB REMAINING AREA FOR POND CONSTRUCTION. 5. CONSTRUCT POND OUTLET STRUCTURE, PRINCIPAL SPILLWAY, AND JUNCTION BOX AT DOWNSTREAM END OF PRINCIPAL SPILLWAY, AND NEEDED IN STALL POND OUTLET STRUCTURE, INSTALL SKIMMER DURATERING DURCE, DE VIEWAL EXOLVATE AS NEEDED TO INSTALL POND OUTLET STRUCTURE, INSTALL SKIMMER BURATERING DURCE, DE VIEWAL EXOLVATE AS NEEDED TO INSTALL POND OUTLET STRUCTURE, INSTALL SKIMMER BURATERING DURCE, DE VIEWAL EXOLVATE AS NEEDED TO INSTALL POND OUTLET STRUCTURE, INSTALL SKIMMER BURATERING DURCE, DE VIEWAL EXOLVATE AS NEEDED TO INSTALL POND OUTLET STRUCTURE, INSTALL SKIMMER BURATERING DURCE, DE VIEWAL EXOLVATE AS NEEDED TO INSTALL POND OUTLET STRUCTURE, INSTALL SKIMMER BURATERING DURCE, DE VIEWAL EXOLVATE AND COMPLETE THE BASIN TO INFE SOUND OF THE LD. 6. EXCALATE THE POND AND COMPLETE THE BASIN TO INFE SOUND AS NEEDED INFERD OF THE POOL 2 FEET FOR SEDMENT STORAGE, DURING EXOLVATES, MAN AND ABOVE ELEVATION 21.00 WITH DRY SEED MAX. MAY SOLS CLASSIFIED AS CH. CL, CH, AND CM PET THE UNRED SOL, CHERNENTSTICTON PHASINGED THE POND INTE BED TERMINED THE PROJECT LIMITS. 7. STABILIZE AND THE PROJECT LIME BASIN MIDID THE POND DUSTON WITH WET SEED MIX AND ABOVE ELEVATION AT A LOCATION CLEARLY UNRED SOL, CONTRACTOR SA REPARS AS NEE		RUCTION SEQUENCI ATER MANAGEMEN		FUNCTION AS A	1	
SECTION 271 - STORWATER MANAGEMENT POND SECTION 272 - POND OUTLET STRUCTURE, CONCRETE 1. INSTALL STABILIZED CONSTRUCTION ENTRANCE PER CONSTRUCTION PHASING, MOT AND EROSION AND SEDMENT CONTROL PLANS. 2. CLEAR AND GRUB FOR INSTALLATION OF PERIMETER EROSION AND SEDMENT CONTROLS. 3. INSTALL PERMETER SEDMENT CONTROLS AS SHOWN ON THE CONSTRUCTION PHASING PLANS, MOT AND EROSION AND SEDMENT CONTROL PLANS. 4. CLEAR AND GRUB REMAINING AREA FOR POND CONSTRUCTION. 5. CONSTRUCTOR PHASING FLANS, MOT AND EROSION AND SEDMENT CONTROL PLANS. 6. CLEAR AND GRUB REMAINING AREA FOR POND CONSTRUCTION. 7. CONSTRUCTOR DONUSTREAM END OF PRINCIPAL SPILLWAY, AND JUNCTION BOX AT LOOMSTREAM END OF PRINCIPAL SPILLWAY. EXCAVATE AS NEEDED TO INSTALL POND OUTLET STRUCTURE. INSTALL SKIMMER DEWATERING DIVERCE, DE PRINCIPAL SPILLWAY, EXCAVATE THE POND AND COMPLETE THE BASIN TO LINES, GRADES, AND DETAILS SIMMENT IN THE CONSTRUCTOR PLANS, OVERES, AND THE BOTTOM OF THE POOL 2 FEET FOR SEDMENT STORAGE, DURING EXCAVATE, THE POND AND COMPLETE THE BASIN TO LINES, GRADES, AND DETAILS SIMMENT IN THE CONSTRUCTOR PLANS, OVERECAVATE THE BOTTOM OF THE POOL 2 FEET FOR SEDMENT STORAGE, DURING EXCAVATION, THE CONTRACTOR STALL SALVAGE AND STOCKAVILE ANY SOLS CLASSIFIED AS CH. CL, CH, AND GM PET THE UNRIED SOL CLASSIFIED AS CH. CL, CH, AND GM PET THE BOTTOM OF THE POOL 2 AS SEDMENT STORAGE, DURING EXCAVATION, THE CONTRACTOR STALL SALVAGE AND STOCKAVILE ANY SOLS CLASSIFIED AS CHECUL UNITS. 9. STABILIZE ALL BARE AREAS BELOW 21.00, EXCLUDING THE POND BOTTOM WITH WET SEED MIX AND ABOVE ELEVATION 21.00 WITH DRY SEED MIX. 9. STABILIZE ALL BARE AREAS BELOW 21.00, EXCLUDING THE POND A STARE DRIVEN INTO THE GROUND AT A LOCATION CLEARLY VISIBLE	SEDIMENT BA	SIN DURING ROAD	WAY CONSTRUCT WITH THE FOLL	TION AND SHAL	L BE	
PHASING, MOT AND EROSION AND SEDIMENT CONTROL PLANS. 2. CLEAR AND GRUB FOR INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROLS. 3. INSTALL PERIMETER SEDIMENT CONTROLS AS SHOWN ON THE CONSTRUCTION PHASING PLANS, MOT AND EROSION AND SEDIMENT CONTROL PLANS. 4. CLEAR AND GRUB REMAINING AREA FOR POND CONSTRUCTION. 5. CONSTRUCT POND OUTLET STRUCTURE, PRINCIPAL SPULWAY, AND JUNCTION BOX AT DOWNSTREAM END OF PRINCIPAL SPULWAY, AND JUNCTION BOX AT DOWNSTREAM END OF PRINCIPAL SPULWAY, AND JUNCTION BOX AT DOWNSTREAM END OF PANCIPAL SUMPATION AS NEEDED IN ACCORDANCE WITH SECTION 111 AND USE SUMP PTT FOR PUMPING. LOCATION OF SUMP PTT TO BE DETERMINED IN FIELD. 6. EXCAVATE THE POND AND COMPLETE THE BASIN TO LINES, GRADES, AND DETAILS SHOWN IN THE CONSTRUCTION PLANS, OVEREXCAVATE THE BOTTOM OF THE POOL 2 FEET FOR SEDIMENT STORAGE, DURING EXCAVATION, THE CONTRACTOR SHALL SALVAGE AND STOCKFUE ANT SOLS CLASSIFIED AS CH. CL, CH, AND GM FER THES UNIFIED SOLL CLASSIFIED AS CH. CL, CH, AND GM FER THES UNIFIED SOLL CLASSIFIED AS CH. CL, CH, AND GM FER THES UNIFIED SOLL CLASSIFIED AS CH. CL, CH, AND GM FER THES UNIFIED SOLL CLASSIFIED AS CH. CL, CH, AND GM FER THES UNIFIED SOLL CLASSIFIED AS CH. CL, CH, AND GM FER THES UNIFIED SOLL CLASSIFIED AS CH. CL, CH, AND GM FER FORM ELSEMHERE WITHIN THE PROJECT LIMITS. 7. STABLIZE ALL BARE AREAS BELOW 21.00, EXCLUDING THE POND BOTTO WITH WET SEED MIX AND ABOVE ELEVATION 21.00 WITH DRY SEED MIX. MAINTENANCE OF POND AS A SEDIMENT BASIN 1. CONTRACTOR SHALL INSPECT THE BASIN IMMEDIATELY AFTER EVERY RAIN AND MAKE REPARAS AS REEDED. 2. CONTRACTOR SHALL INSPECT THE BASIN MID THE CLEANOUT CLEARLY WITH WET SEED MIX AND ABOVE ELEVATION 21.00 WITH DRY SEED MIX. A LOCATION APPROVED BY THE ENGINE STORMWATE	SECTION 2	271 - STORMWATER	' MANAGEMENT I			
 AND SEDMENT CONTROLS. INSTALL PERMETER SEDMENT CONTROLS AS SHOWN ON THE CONSTRUCTION PHASING APLANS, MOT AND EROSION AND SEDMENT CONTROL PLANS. CLEAR AND GRUB REMAINING AREA FOR POND CONSTRUCTION. CONSTRUCT POND OUTLET STRUCTURE, PRINCIPAL SPILLWAY, AND JUNCTION BOX AT DOMNSTREAM END OF PRINCIPAL SPILLWAY, AND JUNCTION BOX AT DOMNSTREAM END OF PRINCIPAL SPILLWAY, AND JUNCTION BOX AT DOMNSTREAM END OF PRINCIPAL SPILLWAY, EXCAVATE AS NEEDED TO INSTALL RED OUTLET STRUCTURE, INFACL DIMMENT, DOMNSTREAM END OF PRINCIPAL SPILLWAY, AND JUNCTION BOX AT DOMNSTREAM END OF PRINCIPAL SPILLWAY, AND NEODEMALS SHOWN IN THE FOOD CONSTRUCTION PLANS, OVEREXCAVATE AND DOTALS SHOWN IN THE FOOL 2 FEET FOR SEDMENT STORAGE, DURING EXCAVATON, THE CONTRACTOR VIANGE AND STORAGE, DURING EXCAVATON, THE CONTRACTOR SHALL SALVAGE AND STORAGE. DURING EXCAVATON, THE CONTRACTOR SHALL SALVAGE AND STORAGE. STABILIZE ALL BARE AREAS BELOW 21.00, EXCLUDING THE POND BOTTO WITH WET SEED MIX AND ABOVE ELEVATION 21.00 WITH DRY SEED MIX. STABILIZE ALL BARE AREAS BELOW 21.00, EXCLUDING THE POND BOTTO WITH WET SEED MIX AND ABOVE ELEVATION 21.00 WITH DRY SEED MIX. MAINTENANCE OF POND AS A SEDMENT BASIN CONTRACTOR SHALL CLEARLY MARK THE OLEANOUT ELEVATION, 21.88, ON A STAKE DERVEN INTO THE BORDINA TA LOCATION APPROVED BY THE ENGINEER. CONTRACTOR SHALL CLEARLY MARK THE OLEANOUT ELEVATION, 21.88, ON A STAKE DERVEN INTO THE PREMAMENT STORMWATER MANAGEMENT FOND AND MARK REPARATES AND DISPOSED OF AT A LOCATION APPROVED BY THE ENGINEER. CONVERSION TO PERMANENT STORMWATER MANAGEMENT FOND 1. CONVERT THE EASIN INTO THE PREMAMENT STORMWATER MANGEMENT FOND ALL CLEARLY MARK THE OLEANOUT FHE ENGINEER HAS APPROVED THE CONVERSION. COMVERTION THE ENGINEER. INTO TH						
 THE CONSTRUCTION PHASING PLANS, MOT AND EROSION AND SEDMENT CONTROL PLANS. CLEAR AND GRUB REMAINING AREA FOR POND CONSTRUCTION. CONSTRUCT POND OUTLET STRUCTURE, PRINCIPAL SPILLWAY, AND JUNCTION BOX AT DOWNSTREAM END OF PRINCIPAL SPILLWAY, EXCAVATE AS NEEDED TO INSTALL POND OUTLET STRUCTURE. INSTALL SCHOM THAY, EXCAVATE AS NEEDED TO INSTALL POND OUTLET STRUCTURE. INSTALL SCHOM THAY, EXCAVATE AS NEEDED TO INSTALL POND OUTLET STRUCTURE. INSTALL SCHOM THAY, DUEST DECIDIN THAND USE SUMP PIT TO BE DETERMINED IN FIELD. EXCAVATE THE FOND AND COMPLETE THE BASIN TO LINES, GRADES, AND DETAILS SCHOM THE CONSTRUCTION PLANS, OVEREXCAVATE THE BOTTOM OF THE POOL OF SUMP PIT TO BE USED TO TOMOSE. DURING ENCY OUS CLASSIFIED STOR STATE TO BE USED TO TOONSTRUCT EMBOLIC OF THE POOL OF STRUCTION PLANS, OVEREXCAVATE THE BOTTOM OF THE POOL OF SUMP PIT TO BE USED TO DONSTRUCT EMBOLIC CLASSIFICATION SYSTEM TO DE USED TO CONSTRUCT EMBOLICASSIFICATION SYSTEM TO DE USED TO DONSTRUCT EMBOLICASSIFICATION SYSTEM TO DE USED TO DONSTRUCT EMBOLICASSIFICATION STRUCT ON BELSEWHERE WITHIN THE PROJECT LIMITS. STABILIZE ALL BARE AREAS BELOW 21.00, EXCLUDING THE POND BOTTOM WITH WET SEED MIX AND ABOVE ELEVATION 21.00 WITH DRY SEED MIX. MAINTENANCE OF POND AS A SEDIMENT BASIN CONTRACTOR SHALL INSPECT THE BASIN IMMEDIATELY AFTER EVERY RAIN AND MAKE REPAIRS AS NEEDED. CONTRACTOR SHALL INSPECT THE BASIN IMMEDIATELY AFTER EVERY RAIN AND MAKE REPAIRS AS NEEDED. CONTRACTOR SHALL INSPECT THE BASIN IMMEDIATELY AFTER EVERY RAIN AND MAKE REPAIRS AS NEEDED. CONTRACTOR SHALL INSPECT THE BASIN IMMEDIATELY AFTER EVERY RAIN AND MAKE REPAIRS AS NEEDED. CONTRACTOR SHALL LIZARY MARK THE CLEANOUT ELEVATION, 21.88, ON ON A STAKE DRUD NITO THE PERMANENT STORMWATER MANOSED STOMMATER MANOSED STOMMATER MANOSED STOMMATING THE POND ATTER ALL AREAS DRUMING THE POND HAT A LOCATION APPROVED BY THE ENGINEER. REMOVE EXCESS ACCUMU			TALLATION OF P	ERIMETER EROS	SION	
 CONSTRUCT POND OUTLET STRUCTURE, PRINCIPAL SPILLWAY, AND JUNCTION BOX AT DOWNSTREAM END OF PRINCIPAL SPILLWAY, EXCAVATE AS NEEDED TO INSTALL POND OUTLET STRUCTURE. INSTALL SOLO OUTLET STRUCTURE. INSTALL SOLO OUTLET STRUCTURE. INSTALL SKIMMER DEWATERING DEVICE. DE WATER FOUNDATION AS NEEDED IN ACCORDANCE WITH SECTION IT AND USE SUMP PIT FOR PUMPING. LOCATION OF SUMP PIT TO BE DETERMINED IN FIELD. EXCAVATE THE POND AND COMPLETE THE BASIN TO LINES, GRADES, AND DETAILS SHOWN IN THE CONSTRUCTION PLANS. OVEREXCAVATE THE BOTTOM OF THE POL 2 FEET FOR SEDIMENT STORAGE. DURING EXCAVATION, THE CONSTRUCTION PLANS. OVEREXCAVATE ANY SOLES CLASSIFIED AS CH, CL, CH, AND GM PER THE BOTTOM OF THE CONTRACTOR SHALL SALVAGE AND STOCKPILE ANY SOLES CLASSIFIED SOLE CLASSIFIED SOLES MAY BE OBTAINED FROM ELSSWHERE WITHIN THE PROJECT LIMITS. STABILIZE ALL BARE AREAS BELOW 21.00, EXCLUDING THE POND BOTTO WITH WET SEED MIX AND ABOVE ELEVATION 21.00 WITH DRY SEED MIX. MAINTENANCE OF POND AS A SEDIMENT BASIN CONTRACTOR SHALL LIESPECT THE BASIN IMMEDIATELY AFTER EVERY RAIN AND MAKE REPARIES AS NEIMEDIATELY AFTER EVERY RAIN AND MAKE REPARIES AS NEIMEDIATELY AFTER EVERY RAIN AND MAKE REPARIES AS NEIMEDIATELY AFTER EVER WHEN AND ARKE REPORDENT. SCOMMATER MANAGEMENT POND 1. CONTRACTOR SHALL DEARING THE ENGINEER. CONVERSION TO PERMANENT. SEDIMENT STORMWATER MANAGEMENT POND 1. CONTRACTOR SHALL DE NEIMERT. STORMWATER MANAGEMENT POND 1. CONTRACTOR SHALL NOT THE PERMANENT. SCOMMET STORMWATER MANAGEMENT POND 1. CONTRACTOR SHALL MATER AN AND DISPOSED OF AT A LOCATION APPROVED BY THE ENGINEER. CONVERSION TO PERMANENT. STORMWATER MANAGEMENT POND 1. CONTRACTOR SHALL NOT THE PERMANENT. SCOMMATER MANAGEMENT POND 1. CONTRACTOR SHALL NOT THE PERMANENT. SCOMMATER MANAGEMENT POND 1. CONTRACTOR SHALL NOT THE PERMANENT. SCOMMATER MANAGEMENT POND 1. CONTRACTOR PERMANENT. STORMWATER MANAGEMENT POND 1. CONTRACTOR PERMANENT. STORMWATER MANAGEMENT POND 1. CONTRACTOR	THE CONS	TRUCTION PHASING			ND	
JUNCTION BOX AT DOWNSTREAM END OF PRINCIPAL SPILLWAY, EXCAVATE AS NEEDED TO INSTALL POND OUTLET STRUCTURE, INSTALL SKIMMER DEWATERING DEVICE. DE-WATER FOUNDATION AS NEEDED IN ACCORDANCE WITH SECTION IT AND USE SUMP PIT FOR PUMPING. LOCATION OF SUMP PIT TO BE DETERMINED IN FIELD. E. EXCAVATE THE POND AND COMPLETE THE BASIN TO LINES, GRADES, AND DETAILS SHOWN IN THE CONSTRUCTION PLANS. OVEREXCAVATE THE BOTTOM OF THE POOL 2 FEET FOR SEDIMENT STORAGE, DURING EXAVATION, THE CONTRACTOR SHALL SALVAGE AND STOCKPILE ANY SOLIS CLASSIFIED AS CH, CL, CH, AND GM PER THE BOTTOM OF THE POOL 2 SYSTEM TO BE USED TO CONSTRUCT EMBANKMENT. THE ABOVE CLASSIFIED SOLIS MAY BE OBTAINED FROM ELSEWHERE WITHIN THE PROJECT LIMITS. 7. STABELZE ALL BARE AREAS BELOW 21.00, EXCLUDING THE POND BOTTO WITH WET SEED MIX AND ABOVE ELEVATION 21.00 WITH DRY SEED MIX. MAINTENANCE OF POND AS A SEDIMENT BASIN 1. CONTRACTOR SHALL INSPECT THE BASIN IMMEDIATELY AFTER 2. CONTRACTOR SHALL CLEARLY MARK THE CLEANOUT ELEVATION, 21.88, ON A STAKE DRIVEN INTO THE GROUND AT A LOCATION CLEARLY VISIBLE FROM THE EMBANKMENT. SEDIMENT SHALL BE REMOVED WHEN OLEVADIUS INTO THE PERMANENT STORMATER MAN GREEN INTO THE PERMANENT STORMATER MANGEMENT Y STABLIZED AND THE ENDINEER HAS	4. CLEAR AN	D GRUB REMAININ	G AREA FOR PO	OND CONSTRUC	TION.	
AND DETAILS SHOWN IN THE CONSTRUCTION PLANS. OVEREXCAVATION THE BOTTOM OF THE POOL 2 FEET FOR SEDMENT STORAGE, DURING EXCAVATION, THE CONTRACTOR SHALL SALVAGE AND STOCKPILE ANY SOLS CLASSIFICATION SYSTEM TO BE USED TO CONSTRUCT EMBANCMENT, THE ABOVE CLASSIFICD SOLLS MAY BE OBTAINED FROM ELSEWHERE WITHIN THE PROJECT LIMITS. 7. STABILIZE ALL BARE AREAS BELOW 21.00, EXCLUDING THE POND BOTTO WITH WET SEED MIX AND ABOVE ELEVATION 21.00 WITH DRY SEED MIX. MAINTENANCE OF POND AS A SEDMENT BASIN 1. CONTRACTOR SHALL INSPECT THE BASIN MIMEDIATELY AFTER EVERY RAIN AND MAKE REPAIRS AS NEEDED. 2. CONTRACTOR SHALL INSPECT THE BASIN MIMEDIATELY AFTER EVERY RAIN AND MAKE REPAIRS AS NEEDED. 2. CONTRACTOR SHALL INSPECT THE BASIN THE CLEANOUT ELEVATION, 21.88, ON A STAKE DRIVEN INTO THE GROUND AT A LOCATION CLEARLY WISIBLE FROM THE EMBANKMENT, SEDMENT STALL DE REMOVED WHEN CLEANOUT ELEVATION IS REACHED AND DISPOSED OF AT A LOCATION APPROVED BY THE ENGINEER. CONVERSION TO PERMANENT STORMWATER MANAGEMENT POND 1. CONVERT THE BASIN INTO THE PERMANENT STORMWATER MANAGEMENT POND HAVE BEEN PERMANENT STORMWATER MANAGEMENT FOND HAVE BEEN PERMANENT STORMWATER MANAGEMENT FOR DATA A LOCATION APPROVED BY THE ENGINEER. 2. CONVERSION TO PERMANENT STORMWATER MANAGEMENT POND HAVE BEEN PERMANENT STORMWATER MANAGEMENT FOND HAVE BEEN PERMANENT STORMWATER MANAGEMENT FOND HAVE BEEN PERMANENT STORMWATER MANAGEMENT FOND GROUNS AND GROUNS IN THE PLAN AND DISPOSE SEDIMENT AT A LOCATION APPRO	JUNCTION EXCAVATE INSTALL S NEEDED II	BOX AT DOWNSTR AS NEEDED TO I KIMMER DEWATERI A ACCORDANCE WI	EAM END OF PI NSTALL POND O NG DEVICE. DE TH SECTION 111	RINCIPAL SPILLV UTLET STRUCTL E-WATER FOUN AND USE SUM	NAY. JRE. DATION AS P PIT	
WITH WET SEED MIX AND ABOVE ELEVATION 21.00 WITH DRY SEED MIX. MAINTENANCE OF POND AS A SEDIMENT BASIN 1. CONTRACTOR SHALL INSPECT THE BASIN IMMEDIATELY AFTER EVERY RAIN AND MAKE REPAIRS AS NEEDED. 2. CONTRACTOR SHALL CLEARLY MARK THE CLEANOUT ELEVATION, 21.88, ON A STAKE DRIVEN INTO THE GROUND AT A LOCATION CLEARLY VISIBLE FROM THE EMBANKMENT, SEDIMENT SHALL BE REMOVED WHEN CLEANOUT ELEVATION IS REACHED AND DISPOSED OF AT A LOCATION APPROVED BY THE ENSINEER. CONVERSION TO PERMANENT STORMWATER MANAGEMENT POND 1. CONVERT THE EMBANKMENT, STORMWATER MANAGEMENT POND 1. CONVERT THE BASIN INTO THE PERMANENT STORMWATER MANAGEMENT POND AFTER ALL AREAS DRAINING TO THE POND HAVE BEEN PERMANENTLY STABILIZED AND THE ENGINEER HAS APPROVED THE CONVERSION. 2. REMOVE EXCESS ACCUMULATED SEDIMENT ON THE POND BOTTOM AND BENCHES, IF ANY, TO THE SPECIFIED FINISHED LINES AND GRADES SHOWN IN THE PLAN AND DISPOSE SEDIMENT AT A LOCATION APPROVED BY THE ENGINEER. IF ELEVATION OF ACCUMULATED SEDIMENT IN POND BOTTOMS IS BELOW THE PROPOSED FINISHED ELEVATION, ADDITIONAL FILL MATERIAL SHALL NOT BE PLACED IN POND. 3. PUMP DOWN STANDING WATER IN THE POND AS NECESSARY. COMPLETE STABILIZATION OF ALL BARE AREAS, REMOVE EROSION AND SEDIMENT CONTROL MEASURES, REMOVE SKIMMER DEWATERING DEVICE AND PLYWOOD, AND INSTALL CATCH BASIN TRAP. BMP NO. 758/761 - DESIGN SUMMARY DEWATERING FOLLITY MATER SUFFACE VOLUME (CFS) DEVICE AND PLYWOOD, AND INSTALL CATCH BASIN TRAP. <td colspanery="" control="" devicesio<="" measures,="" remove="" skimmer="" td=""><td>AND DETA THE BOTTO EXCAVATIO ANY SOILS UNIFIED S EMBANKME</td><td>ILS SHOWN IN THI OM OF THE POOL N, THE CONTRACT S CLASSIFIED AS OIL CLASSIFICATIOI INT. THE ABOVE (</td><td>E CONSTRUCTION 2 FEET FOR S OR SHALL SALV CH, CL, CH, ANL N SYSTEM TO B CLASSIFIED SOILS</td><td>N PLANS. OVER SEDIMENT STOR GAGE AND STOC OGM PER THE RE USED TO CC</td><td>PÉXCAVATE AGE, DURING CKPILE DNSTRUCT</td></td>	<td>AND DETA THE BOTTO EXCAVATIO ANY SOILS UNIFIED S EMBANKME</td> <td>ILS SHOWN IN THI OM OF THE POOL N, THE CONTRACT S CLASSIFIED AS OIL CLASSIFICATIOI INT. THE ABOVE (</td> <td>E CONSTRUCTION 2 FEET FOR S OR SHALL SALV CH, CL, CH, ANL N SYSTEM TO B CLASSIFIED SOILS</td> <td>N PLANS. OVER SEDIMENT STOR GAGE AND STOC OGM PER THE RE USED TO CC</td> <td>PÉXCAVATE AGE, DURING CKPILE DNSTRUCT</td>	AND DETA THE BOTTO EXCAVATIO ANY SOILS UNIFIED S EMBANKME	ILS SHOWN IN THI OM OF THE POOL N, THE CONTRACT S CLASSIFIED AS OIL CLASSIFICATIOI INT. THE ABOVE (E CONSTRUCTION 2 FEET FOR S OR SHALL SALV CH, CL, CH, ANL N SYSTEM TO B CLASSIFIED SOILS	N PLANS. OVER SEDIMENT STOR GAGE AND STOC OGM PER THE RE USED TO CC	PÉXCAVATE AGE, DURING CKPILE DNSTRUCT
1. CONTRACTOR SHALL INSPECT THE BASIN IMMEDIATELY AFTER EVERY RAIN AND MAKE REPAIRS AS NEEDED. 2. CONTRACTOR SHALL CLEARLY MARK THE CLEANOUT ELEVATION, 21.88, ON A STAKE DRIVEN INTO THE GROUND AT A LOCATION CLEARLY VISIBLE FROM THE EMBANKMENT. SEDIMENT SHALL BE REMOVED WHEN CLEANOUT ELEVATION IS REACHED AND DISPOSED OF AT A LOCATION APPROVED BY THE ENGINEER. CONVERSION TO PERMANENT STORMWATER MANAGEMENT POND 1. CONVERT THE BASIN INTO THE PERMANENT STORMWATER MANAGEMENT POND AFTER ALL AREAS DRAINING TO THE POND HAVE BEEN PERMANENTLY STABILIZED AND THE ENGINEER HAS APPROVED THE CONVERSION. 2. REMOVE EXCESS ACCUMULATED SEDIMENT ON THE POND BOTTOM AND BENCHES, IF ANY, TO THE SPECIFIED FINISHED LINES AND GRADES SHOWN IN THE PLAN AND DISPOSE SEDIMENT AT A LOCATION APPROVED BY THE ENGINEER, IF ELEVATION OF ACCUMULATED SEDIMENT IN POND BOTTOMS IS BELOW THE PROPOSED FINISHED ELEVATION, ADDITIONAL FILL MATERIAL SHALL NOT BE PLACED IN POND. 3. PUMP DOWN STANDING WATER IN THE POND AS NECESSARY. COMPLETE STABILIZATION OF ALL BARE AREAS, REMOVE EROSION AND SEDIMENT CONTROL MEASURES, REMOVE SUMMER DEWATERING DEVICE AND PLYWOOD, AND INSTALL CATCH BASIN TRAP. BMP NO. 758/761 - DESIGN SUMMARY DESIGN STORM INFLOW (CFS) DESIGN STORM FACE VOLUME (CFS) DEVINE FACE SURFACE VOLUME (CFS) DEVINE FACE SURFACE VOLUME (CFS) DOM NO.	7. STABILIZE WITH WET	ALL BARE AREAS SEED MIX AND A	BELOW 21.00, BOVE ELEVATION	EXCLUDING TH N 21.00 WITH L	E POND BOTTO DRY SEED MIX.	
EVERY RAIN AND MAKE REPAIRS AS NEEDED. 2. CONTRACTOR SHALL CLEARLY MARK THE CLEANOUT ELEVATION, 21.88, ON A STAKE DRIVEN INTO THE GROUND AT A LOCATION CLEARLY VISIBLE FROM THE EMBANKMENT. SEDIMENT SHALL BE REMOVED WHEN CLEANOUT ELEVATION IS REACHED AND DISPOSED OF AT A LOCATION APPROVED BY THE ENGINEER. CONVERSION TO PERMANENT STORMWATER MANAGEMENT POND 1. CONVERT THE BASIN INTO THE PERMANENT STORMWATER MANAGEMENT POND ATTER ALL AREAS DRAINING TO THE POND HAVE BEEN PERMANENTLY STABILIZED AND THE ENGINEER HAS APPROVED THE CONVERSION. 2. REMOVE EXCESS ACCUMULATED SEDIMENT ON THE POND BOTTOM AND BENCHES, IF ANY, TO THE SPECIFIED FINISHED LINES AND GRADES SHOWN IN THE PLAN AND DISPOSE SEDIMENT AT A LOCATION APPROVED BY THE ENGINEER. IF ELEVATION OF ACCUMULATED SEDIMENT IN POND BOTTOMS IS BELOW THE PROPOSED FINISHED ELEVATION, ADDITIONAL FILL MATERIAL SHALL NOT BE PLACED IN POND. 3. PUMP DOWN STANDING WATER IN THE POND AS NECESSARY. 4. COMPLETE STABILIZATION OF ALL BARE AREAS, REMOVE EROSION AND SEDIMENT CONTROL MEASURES, REMOVE SKIMMER DEWATERING DEVICE AND PLYWOOD, AND INSTALL CATCH BASIN TRAP. VERMP NO. 758/761 - DESIGN SUMMARY (CFS) DES IGN STORM FAC IL ITY INFLOW DISCHARGE SURFACE VOLUME (CFS) DES IGN STORM N. A. 20.00 0.411 1-YEAR 16.9 2.9 21.46 0.55 10-YEAR 44.4 21.6 22.72 1.16	MAINTENANCE	OF POND AS A	SEDIMENT BASIN	,		
ON A STAKE DRIVEN INTO THE GROUND AT A LOCATION CLEARLY VISIBLE FROM THE EMBANKMENT. SEDIMENT SHALL BE REMOVED WHEN CLEANOUT ELEVATION IS REACHED AND DISPOSED OF AT A LOCATION APPROVED BY THE ENGINEER. CONVERSION TO PERMANENT STORMWATER MANAGEMENT POND 1. CONVERT THE BASIN INTO THE PERMANENT STORMWATER MANAGEMENT POND AFTER ALL AREAS DRAINING TO THE POND H. CONVERT THE CONVERSION. 2. REMOVE EXCESS ACCUMULATED SEDIMENT ON THE POND BOTTOM AND BENCHES, IF ANY, TO THE SPECIFIED FINISHED LINES AND GRADES SHOWN IN THE PLAN AND DISPOSE SEDIMENT AT A LOCATION APPROVED BY THE ENGINEER. IF ELEVATION OF ACCUMULATED SEDIMENT IN POND BOTTOMS IS BELOW THE PROPOSED FINISHED ELEVATION, ADDITIONAL FILL MATERIAL SHALL NOT BE PLACED IN POND. 3. PUMP DOWN STANDING WATER IN THE POND AS NECESSARY. 4. COMPLETE STABLIZATION OF ALL BARE AREAS, REMOVE EROSION AND SEDIMENT CONTROL MEASURES, REMOVE SKIMMER DEWATERING DEVICE AND PLYWOOD, AND INSTALL CATCH BASIN TRAP. BMP NO. 758/761 - DESIGN SUMMARY DES IGN STORM FAC IL ITY DISCHARGE SURFACE VOLUME (CFS) ELEVATION 0.41 1-YEAR 16.9 2.9					ER	
1. CONVERT THE BASIN INTO THE PERMANENT STORMWATER MANAGEMENT POND AFTER ALL AREAS DRAINING TO THE POND HAVE BEEN PERMANENTLY STABILIZED AND THE ENGINEER HAS APPROVED THE CONVERSION. 2. REMOVE EXCESS ACCUMULATED SEDIMENT ON THE POND BOTTOM AND BENCHES, IF ANY, TO THE SPECIFIED FINISHED LINES AND GRADES SHOWN IN THE PLAN AND DISPOSE SEDIMENT AT A LOCATION APPROVED BY THE ENGINEER. IF ELEVATION OF ACCUMULATED SEDIMENT IN POND BOTTOMS IS BELOW THE PROPOSED FINISHED ELEVATION, ADDITIONAL FILL MATERIAL SHALL NOT BE PLACED IN POND. 3. PUMP DOWN STANDING WATER IN THE POND AS NECESSARY. 4. COMPLETE STABILIZATION OF ALL BARE AREAS, REMOVE EROSION AND SEDIMENT CONTROL MEASURES, REMOVE SKIMMER DEWATERING DEVICE AND PLYWOOD, AND INSTALL CATCH BASIN TRAP. BMP NO. 758/761 – DESIGN SUMMARY DESIGN STORM Image: Store for the store store for the store for the store for the store for t	ON A STA VISIBLE FI WHEN CLE	KE DRIVEN INTO 1 ROM THE EMBANKI ANOUT ELEVATION	THE GROUND AT MENT. SEDIMEI IS REACHED A	A LOCATION C NT SHALL BE R	LEARLY PEMOVED	
MANAGEMENT POND AFTER ALL AREAS DRAINING TO THE POND HAVE BEEN PERMANENTLY STABILIZED AND THE ENGINEER HAS APPROVED THE CONVERSION. 2. REMOVE EXCESS ACCUMULATED SEDIMENT ON THE POND BOTTOM AND BENCHES, IF ANY, TO THE SPECIFIED FINISHED LINES AND GRADES SHOWN IN THE PLAN AND DISPOSE SEDIMENT AT A LOCATION APPROVED BY THE ENGINEER. IF ELEVATION OF ACCUMULATED SEDIMENT IN POND BOTTOMS IS BELOW THE PROPOSED FINISHED ELEVATION, ADDITIONAL FILL MATERIAL SHALL NOT BE PLACED IN POND. 3. PUMP DOWN STANDING WATER IN THE POND AS NECESSARY. 4. COMPLETE STABILIZATION OF ALL BARE AREAS, REMOVE EROSION AND SEDIMENT CONTROL MEASURES, REMOVE SKIMMER DEWATERING DEVICE AND PLYWOOD, AND INSTALL CATCH BASIN TRAP. BMP NO. 758/761 – DESIGN SUMMARY (CFS) MATER USCHARGE SURFACE (CFS) STORAGE VOLUME (AC-FT) PERM. POOL N. A. N. A. 20.00 0.41 1-YEAR 16.9 2.9 21.46 0.55 10-YEAR 444.4 21.6 22.72 1.16	<u>CONVERSION</u>	TO PERMANENT ST	ORMWATER MAN	NAGEMENT PONL	כ כ	
 2. REMOVE EXCESS ACCUMULATED SEDIMENT ON THE POND BOTTOM AND BENCHES, IF ANY, TO THE SPECIFIED FINISHED LINES AND GRADES SHOWN IN THE PLAN AND DISPOSE SEDIMENT AT A LOCATION APPROVED BY THE ENGINEER. IF ELEVATION OF ACCUMULATED SEDIMENT IN POND BOTTOMS IS BELOW THE PROPOSED FINISHED ELEVATION, ADDITIONAL FILL MATERIAL SHALL NOT BE PLACED IN POND. 3. PUMP DOWN STANDING WATER IN THE POND AS NECESSARY. 4. COMPLETE STABILIZATION OF ALL BARE AREAS, REMOVE EROSION AND SEDIMENT CONTROL MEASURES, REMOVE SKIMMER DEWATERING DEVICE AND PLYWOOD, AND INSTALL CATCH BASIN TRAP. BMP NO. 758/761 - DESIGN SUMMARY <u>DES IGN STORM</u> <u>FAC IL ITY</u> <u>FAC IL ITY</u> <u>WATER</u> <u>STORAGE</u> VOLUME (CFS) <u>VOLUME</u> (CFS) <u>PERM. POOL</u> <u>N. A.</u> <u>N. A.</u> <u>20.00</u> <u>0.41</u> <u>1-YEAR</u> <u>16.9</u> <u>2.9</u> <u>21.46</u> <u>0.55</u> <u>10-YEAR</u> <u>44.4</u> <u>21.6</u> <u>22.72</u> <u>1.16</u> 	MANAGEME HAVE BEE	NT POND AFTER A	ALL AREAS DRA STABILIZED AND	INING TO THE I		
4. COMPLETE STABILIZATION OF ALL BARE AREAS, REMOVE EROSION AND SEDIMENT CONTROL MEASURES, REMOVE SKIMMER DEWATERING DEVICE AND PLYWOOD, AND INSTALL CATCH BASIN TRAP. BMP NO. 758/761 – DESIGN SUMMARY DESIGN STORM FACILITY FACILITY WATER STORAGE (CFS) USCHARGE SURFACE VOLUME (CFS) PERM. POOL N. A. N. A. 20.00 0.41 1-YEAR 16.9 2.9 21.46 0.55 10-YEAR 44.4 21.6 22.72 1.16	2. REMOVE E AND BENC GRADES S LOCATION ACCUMULA PROPOSED	XCESS ACCUMULA HES, IF ANY, TO HOWN IN THE PLA APPROVED BY TH TED SEDIMENT IN FINISHED ELEVAT	TED SEDIMENT (THE SPECIFIED AN AND DISPOSE E ENGINEER, IF POND BOTTOMS TION, ADDITIONAL	FINISHED LINES E SEDIMENT AT ELEVATION OF IS BELOW THE	S AND A E	
AND SEDIMENT CONTROL MEASURES, REMOVE SKIMMER DEWATERING DEVICE AND PLYWOOD, AND INSTALL CATCH BASIN TRAP.BMP NO. 758/761 – DESIGN SUMMARYDES IGN STORMFAC IL ITY INFLOW (CFS)FAC IL ITY D ISCHARGE (CFS)WATER SURFACE URFACE (CFS)STORAGE VOLUME (AC-FT)PERM. POOLN. A.N. A.20.000.411-YEAR16.92.921.460.5510-YEAR44.421.622.721.16	3. PUMP DOV	VN STANDING WATL	ER IN THE PON	D AS NECESSA	RY.	
DES IGN STORM FAC IL ITY INFLOW (CFS) FAC IL ITY DISCHARGE (CFS) WATER SURFACE ELEVATION STORAGE VOLUME (AC-FT) PERM. POOL N. A. N. A. 20.00 0.41 1-YEAR 16.9 2.9 21.46 0.55 10-YEAR 44.4 21.6 22.72 1.16	AND SEDIN	IENT CONTROL ME	ASURES, REMOV	E ŚKIMMER		
DESIGN STORMFACILITY INFLOW (CFS)FACILITY DISCHARGE (CFS)WATER SURFACE ELEVATIONSTORAGE VOLUME (AC-FT)PERM. POOLN. A.N. A.20.000.411-YEAR16.92.921.460.5510-YEAR44.421.622.721.16	B	MP NO. 758/7	61 – DESIGN		RY	
PERM. POOL N. A. N. A. 20.00 0.41 1-YEAR 16.9 2.9 21.46 0.55 10-YEAR 44.4 21.6 22.72 1.16	DESIGN STO	RM FACILITY INFLOW	FACILITY DISCHARGE	WATER SURFACE	STORAGE VOLUME	
1-YEAR 16.9 2.9 21.46 0.55 10-YEAR 44.4 21.6 22.72 1.16	PERM. POO					
100-YEAR 90.0 48.5 24.02 2.05	10-YEAR	44.4	21.6	22. 72	1.16	
	100-YEAR	90.0	48.5	24.02	2.05	

HAZARD CLASSIFICATION "A" AS PER POND CODE 378

DRAINAGE AREA TO FACILITY: 16.75 ACRES

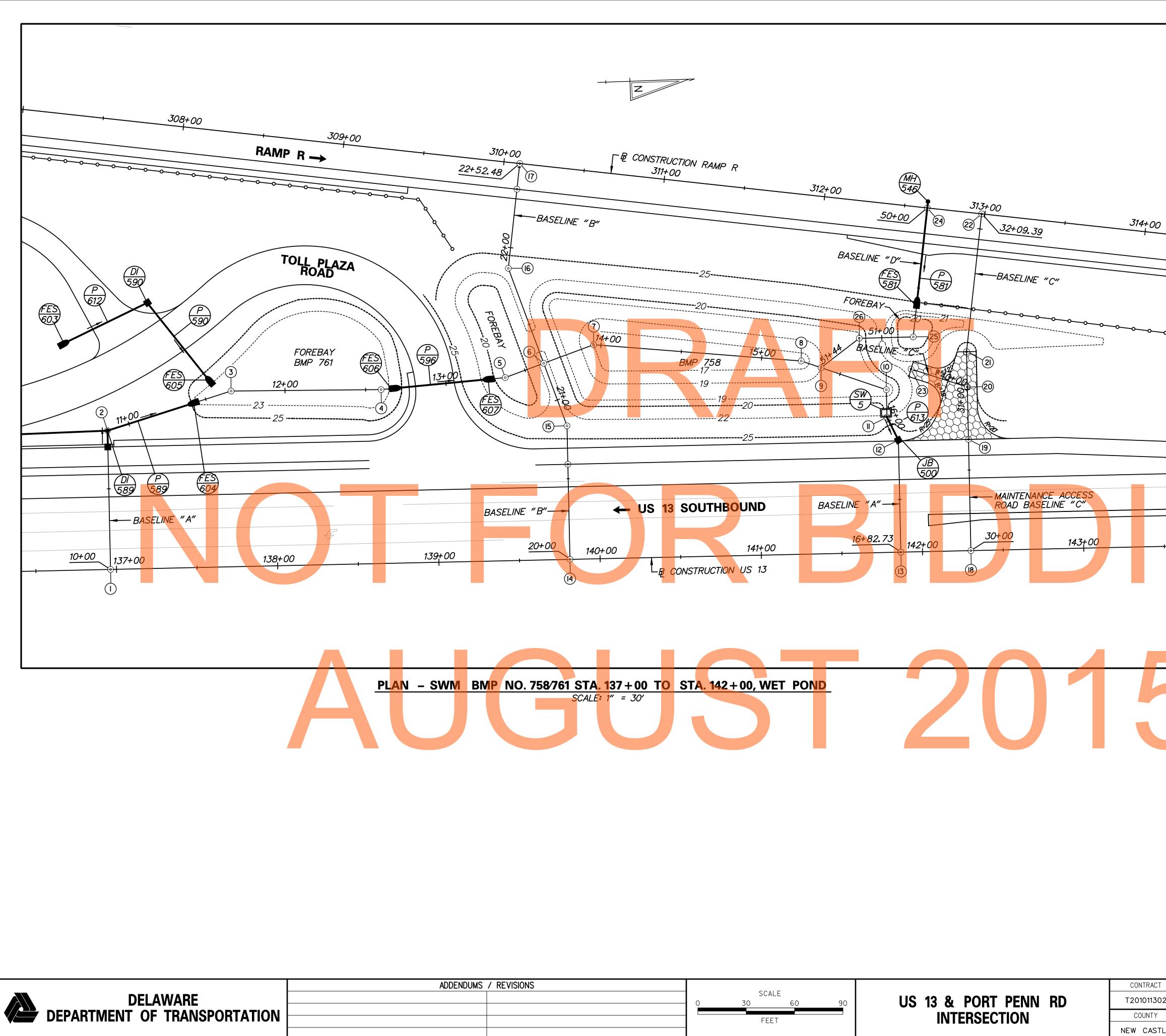
MANAGEMENT PROVIDED BY FACILITY: WATER QUALITY CONTROL VIA EXTENDED DETENTION FOR 1-YEAR RESOURCE PROTECTION STORM. QUANTITY CONTROL FOR THE 10-YEAR AND 100-YEAR STORM EVENTS WAIVED DUE TO TIDAL NATURE OF SCOTT RUN.

ONTRACT	BRIDGE NO.		
01011700			
01011302	DESIGNED BY		
COUNTY	DESIGNED BY: DLH		
/ CASTLE	CHECKED BY:	JDC	

STORMWATER MANAGEMENT PLAN **BMP 758/761**

SW-09 SHEET NO. 91 OTAL SHTS

179



NS			
	SCALE 0 <u>30609</u> 0	US 13 & PORT PENN RD	Т
	FEET	INTERSECTION	
			NE

BASELINE "A" STAKEOUT INFORMATION										
POINT NO.	STATION	NORTHING	EASTING							
I	POB STA.10+00.00	555976.02	590632.59							
2	PI STA.10+86.09	555976 . 62	590546 . 5I							
3	PI STA.II+66.55	556053 . 9I	590524 . I5							
4	PI STA.12+59.58	556146.93	590525.93							
5	PI STA.13+36.96	556224 . I3	590520.72							
6	PI STA.13+62.42	556248.23	590512.52							
7	PI STA.13+95.42	556279 . 48	59050I . 90							
8	PI STA.15+24.60	556407.92	590515.72							
9	PI STA.15+37.60	556420 . II	590520.23							
10	PI STA.15+80.30	556460 . I5	590535.06							
=	PI STA.15+97.34	556460.05	590552 . IO							
12	PI STA.16+13.23	556466.75	590566.51							
13	POE STA.16+82.73	556466.27	590636.00							

BASELINE "B" STAKEOUT INFORMATION									
POINT NO.	STATION	NORTHING	EASTING						
14	POB STA.20+00.00	556260.99	590634.58						
15	PI STA.20+82.85	55626I . 56	59055I . 73						
16	PI STA.2I+87.14	556227.99	590452.99						
17	POE STA.22+52.48	556236.94	590388.26						

Α	ACCESS ROAD BASELINE "C" STAKEOUT INFORMATION										
POINT NO.	STATION	NORTHING	EASTING								
18	POB STA.30+00.00	556509.71	590636 . 3I								
19	PI STA.30+69.03	5565I0 . I9	590567 . 28								
20	PI STA.3I+0I.49	556510.42	590534.82								
21	PI STA.3I+23.40	556510.57	590512.91								
22	POE STA.32+09.39	556522.35	590427.73								
20	POB STA.40+00.00	556510.42	590534.82								
23	POE STA.40+36.65	556475.85	590522.64								

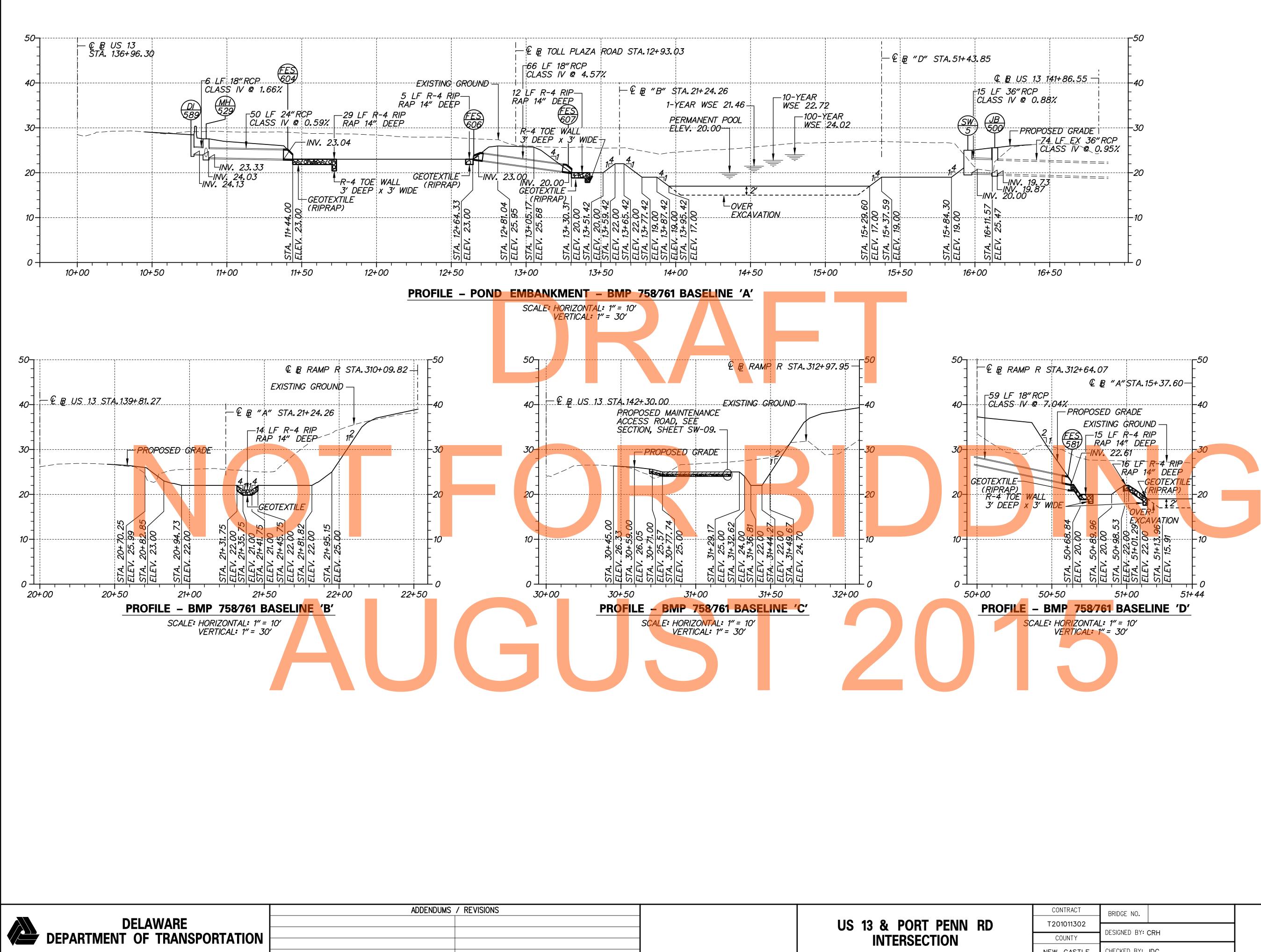
BASELINE "D" STAKEOUT INFORMATION										
POINT NO.	STATION	NORTHING	EASTING							
24	POB STA.50+00.00	556488.80	590423.09							
25	PI STA.50+80.47	556477.78	590502 . 8I							
26	PI STA.5I+I3.96	556444.30	590502.67							
9	POE STA.5I+43.85	556420 . II	590520.23							

CONTRACT	BRIDGE NO.	
201011302		
201011302	DESIGNED BY:	
COUNTY	DESIGNED DI.	DLH
W CASTLE	CHECKED BY:	JDC



SW-10

SHEET NO. 92 TOTAL SHTS. 179



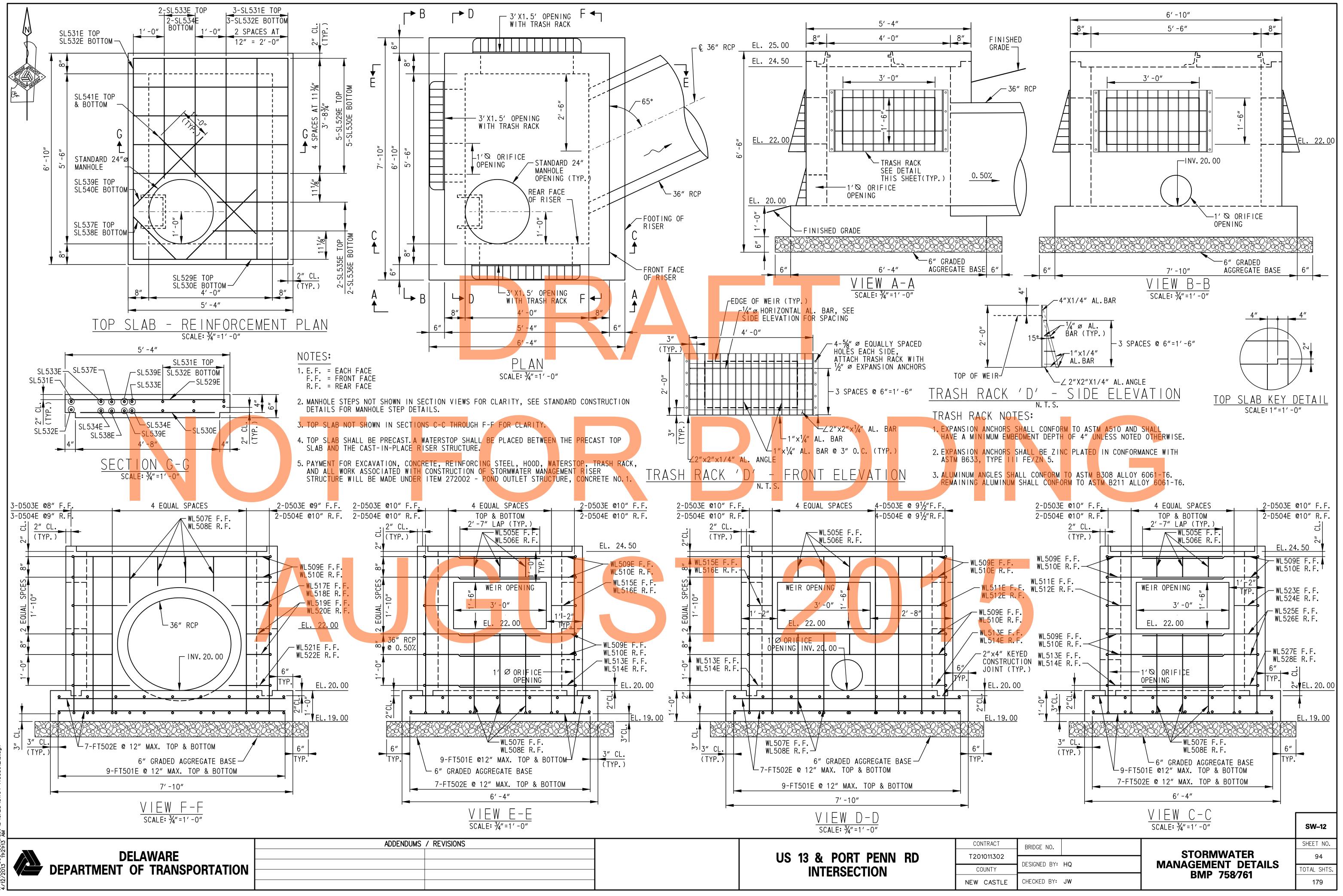
NS		
	US 13 & PORT PENN RD	1
	INTERSECTION	
		NE

CONTRACT	BRIDGE NO.					
201011302						
201011302	DESIGNED BY: CRH					
COUNTY	DESIGNED DI CRA					
W CASTLE	CHECKED BY: JDC					



SW-11 SHEET NO. 93

OTAL SHTS 179



000\Contract 1D\CADD\SW04-143U301_1D.dgn



2 ALL MARK 'LOCATION PREFIXES' SHALL CONSIST OF TWO LETTERS AND ARE AS FOLLOWS: AB = ABUTMENT, AS = APPROACH SLAB, BC = BOX CULVERT, BW = BACKWALL, CL = COLUMN, DK = DECK, DL = DOWEL, FT = FOOTING, HW = HEADWALL, MS = MISC. BARS, PA = PARAPET, PR = PIER, SC = SHEETPILE CAP, SL = SLAB, TW = TOEWALL, WL = WALL (UNIQUE LOCATION), WW = WINGWALL

!	SPECIFICAT			_ 1			NDING DIME							SP
			TYPE	A	B	C	D	E	F/R	G	H	J K	0	QTY. SIZE I
SWM BMP 68 5			LL 17		6-100	1-60			!					2 5 1 5
4X4 5			STR		15-83									1 5
	TO			1	то			1	1		1			1 5
	16-60			i	16-60									1 5
6 5	+ +		STR		33-80		i		i					2 5
4 6		WL604E	6			6-112	2-60	 			6-100	ı 1-	41 16-90	_
12 5 70 5	- I		STR STR		33-60 4-60						 	 		1 5
70 5		WLOUGE	214		4-60									1_56_5
SWM BMP I	<u> </u>	u Weir Wai											<u>: </u>	6 5
56 5			17		6-100	1-60						1		4 5
4X3 5	5 13-11	WL502E	STR	1	13-11									6 5
	TO				то				1					2 5
	13-60				13-60									2 5
6 5			STR		27-80					 	1			2 5
4 6 12 5	- I - I - I - I - I - I - I - I - I - I	WL604E WL505E	6 STR	i	2-103 27-60	6-112	2-60				6-100	1-	41 16-90	2 5 1 5
58 5	- I - I - I - I - I - I - I - I - I - I		STR		4-60									1 5
			<u> </u>	· · · · · · · · · · · · · · · · · · ·										2 5
SWM BMP N	NO.902 R	ISER STF	RUCTU	RE	<u>, I</u>		. I		·	. I.		. I		2 5
14 5	5 5-100	FT501E	STR		5-100									2 5
18 5			STR		7-40									┨ <mark>╺</mark> ┠──┼┼
19 5 10 F			2		5-30	1		 		0-100		 		┨ <mark>╺</mark> ┠──┼┼
19 5 9 5		DL504E WL505E	2 STR		5-1¦0 0-100					0-100				┨╺┛╋
9 5			STR		0-80							1		
8 5			2	l	2-70	 				0-100	 	1	1 I	
8 5	5 3-50	WL508E	2		2-70	 				0-100				
6 5	+ +		17		3-92	6-60	3-92							
6 5	-		17			5-100	3-52		i					-
1 5			17 17	1	2-40	0-100 0-60	1	 			 	1		┨
2 5		WL513E	17		2 00	2-70	3-92							
2 5		WL514E	17			2-40	3-52							
1 5	5 1-80	WL515E	17			0-100	0-100			1				
1 5	5 1-00	WL516E	17			0-6 <mark>0</mark>	0-60		1					
1 5		WL517E	17			0-100								
1 5			17		0-11¦3	0-60	i			i				┨ ┣┻╋
2 5		WL519E	17	1	0-10¦0	0-6 <mark>'</mark> 3			Ι	1			1	
ASTM STA REINFO	RCING BAR			COMMENDED			ST APP	IRRUP ANI	O TIE HO	DOKS, BRADES	NOTE			
									• • • • • •					
	INAL DIMEN	ISIONS			-0					40=0				CIRCLES REPRESEN S INCLUDE ONLY TH
	INAL DIMEN			18 HOC		90° HOOI		90° HOOK		135° HOOK	2.	STANDARD E	BAR BENDS	S INCLUDE ONLY TH T-TO-OUT, EXCEPT
											2. 3.	STANDARD E ALL DIMENS HOOKS.	BAR BENDS SIONS OUT	S INCLUDE ONLY TH T-TO-OUT, EXCEPT
	AREA CHES ²)		D		OKS		(S	HOOK			2. 3.	STANDARD E ALL DIMENS HOOKS. "J" DIMENS	BAR BENDS SIONS OUT SIONS ON	S INCLUDE ONLY TH T-TO-OUT, EXCEPT 180° HOOKS TO BI
DIAMETER (INCHES)	AREA (INCHES ²)	Weight (LBS./FT.)	_	HOC A OR G	oks J	HOOI A OR	(S G D	HOOK A OR G	A OR	G A OR	2. 3. 3.	STANDARD E ALL DIMENS HOOKS. "J" DIMENS RESTRICT F	BAR BENDS SIONS OUT SIONS ON HOOK SIZE	S INCLUDE ONLY TH T-TO-OUT, EXCEPT 180° HOOKS TO BH E, OTHERWISE STAN
DIAMETER DIAMETER 0. 375	(INCHES ²)	() Keight () () () () () () () () () () () () ()	2 ¹ /4″	HOC A OR G	DKS J 3″	HOOI A OR 6″	(S G 1 ¹ / ₂ "	HOOK A OR G 4"	A OR 4″	ноок g A OR 2 ¹ /2″	2. 3. 3.	STANDARD E ALL DIMENS HOOKS. "J" DIMENS RESTRICT H WHERE "J"	BAR BENDS SIONS OUT SIONS ON HOOK SIZE IS NOT S	S INCLUDE ONLY TH T-TO-OUT, EXCEPT 180° HOOKS TO BH F, OTHERWISE STAN SHOWN, "J" WILL H
DIAMETER 0. 375 0. 500	(INCHES ³) 0. 110 0. 200	(H) (H) (H) (H) (H) (H) (H) (H) (H) (H)	2 ¹ /4″ 3″	HOC A OR G 5" 6"	DKS J 3″ 4″	HOOI A OR 6″ 8″	(S G 1 ¹ / ₂ " 2"	HOOK A OR G 4" 4 ¹ / ₂ "	A OR 4″ 4 ¹ /2″	HOOK G A OR 2 ¹ / ₂ " 3"	2. 3. g 4. 5.	STANDARD E ALL DIMENS HOOKS. "J" DIMENS RESTRICT H WHERE "J" ON TYPES 3	BAR BENDS SIONS OUT SIONS ON HOOK SIZE IS NOT S 3, 5 ANE	S INCLUDE ONLY TH T-TO-OUT, EXCEPT 180° HOOKS TO BH E, OTHERWISE STAN
Daweter 0. 375 0. 500 0. 625	(INCHES ³) 0. 110 0. 200 0. 310	(Figure 1) (Figure 1)	2 ¹ /4" 3" 3 ³ /4"	HOC A OR G 5" 6" 7"	J 3″ 4″ 5″	HOOI A OR 6″ 8″ 10′	(S G D 1 ¹ / ₂ " 2" 2 ¹ / ₂ "	HOOK A OR G 4" 4 ¹ / ₂ " 6"	A OR 4" 4 ¹ /2" 5 ¹ /2"	HOOK G A OR $2\frac{1}{2}''$ 3'' $3^{3}4''$	2. 3. 4. 5. 6.	STANDARD E ALL DIMENS HOOKS. "J" DIMENS RESTRICT H WHERE "J" ON TYPES S "H" DIMENS CONCRETE.	BAR BENDS SIONS OUT SIONS ON HOOK SIZE IS NOT S 3, 5 ANE SIONS OF	S INCLUDE ONLY TH T-TO-OUT, EXCEPT 180° HOOKS TO BH , OTHERWISE STAN SHOWN, "J" WILL H D 22. WHERE "J" STIRRUPS TO BE S
DIAMETER 0. 375 0. 500	(INCHES ³) 0. 110 0. 200 0. 310	(Figure 1) (Figure 1)	2 ¹ /4″ 3″	HOC A OR G 5" 6" 7"	DKS J 3″ 4″	HOOI A OR 6″ 8″	(S G 1 ¹ / ₂ " 2" 2 ¹ / ₂ "	HOOK A OR G 4" 4 ¹ / ₂ "	A OR 4″ 4 ¹ /2″	HOOK G A OR 2 ¹ / ₂ " 3"	2. 3. 4. 5. 6.	STANDARD E ALL DIMENS HOOKS. "J" DIMENS RESTRICT H WHERE "J" ON TYPES S "H" DIMENS CONCRETE. UNLESS OTH	BAR BENDS SIONS OUT SIONS ON HOOK SIZE IS NOT S 3, 5 ANE SIONS OF	S INCLUDE ONLY TH T-TO-OUT, EXCEPT 180° HOOKS TO BH , OTHERWISE STAN SHOWN, "J" WILL H D 22. WHERE "J" STIRRUPS TO BE S NOTED, DIAMETER
Daweter 0. 375 0. 500 0. 625	(INCHES ₃) 0. 110 0. 200 0. 310 0. 440	HSIN 0. 376 0. 668 1. 043 1. 502	2 ¹ /4" 3" 3 ³ /4"	HOC A OR G 5" 6" 7" 8"	J 3″ 4″ 5″	HOOI A OR 6″ 8″ 10′	(S) (G) D $1\frac{1}{2}^{"}$ $2^{"}$ $2\frac{1}{2}^{"}$ $4\frac{1}{2}^{"}$	HOOK A OR G 4" 4 ¹ / ₂ " 6"	A OR 4" 4 ¹ /2" 5 ¹ /2"	HOOK G A OR $2\frac{1}{2}''$ 3'' $3^{3}4''$	2. 3. 4. 5. 6. 7.	STANDARD E ALL DIMENS HOOKS. "J" DIMENS RESTRICT H WHERE "J" ON TYPES S "H" DIMENS CONCRETE. UNLESS OTH HOOKS ON A	BAR BENDS SIONS OUT SIONS ON HOOK SIZE IS NOT S 3, 5 ANE SIONS OF HERWISE M A BAR (E)	S INCLUDE ONLY TH T-TO-OUT, EXCEPT 180° HOOKS TO BH , OTHERWISE STAN SHOWN, "J" WILL H O 22. WHERE "J" STIRRUPS TO BE S NOTED, DIAMETER KCEPT FOR BEND T
Bayes 0. 375 0. 500 0. 625 0. 750	(INCHES3) 0. 110 0. 200 0. 310 0. 440 0. 600	H938 0. 376 0. 668 1. 043 1. 502 2. 044	2 ¹ /4" 3" 3 ³ /4" 4 ¹ /2"	HOC A OR G 5" 6" 7" 8"	J 3″ 4″ 5″ 6″	HOOI A OR 6″ 8″ 10′ 1-0	$\begin{array}{c c} \mathbf{S} \\ \mathbf{G} \\ \mathbf{G} \\ \mathbf{D} \\ \hline 1 \frac{1}{2}^{\prime \prime} \\ 2^{\prime \prime} \\ 2^{\prime \prime} \\ 2^{\prime \prime} \\ 2^{\prime \prime} \\ 4^{\prime \prime} \\ 5^{\prime \prime} \\ 5^{\prime \prime} \\ 4^{\prime \prime} \end{array}$	HOOK A OR G 4" 4 ¹ / ₂ " 6" 1-0"	A OR 4" 41/2" 51/2" 8"	HOOK G A OR 21/2'' 3'' $3^3/4''$ 41/2''' 51/4''	2. 3. 4. 5. 6. 7. 8.	STANDARD E ALL DIMENS HOOKS. "J" DIMENS RESTRICT H WHERE "J" ON TYPES 3 "H" DIMENS CONCRETE. UNLESS OTH HOOKS ON A WHERE SLOP	BAR BENDS SIONS OUT SIONS ON HOOK SIZE IS NOT S 3, 5 ANE SIONS OF HERWISE M A BAR (E) PE DIFFEF	S INCLUDE ONLY TH T-TO-OUT, EXCEPT 180° HOOKS TO BH , OTHERWISE STAN SHOWN, "J" WILL H D 22. WHERE "J" STIRRUPS TO BE S NOTED, DIAMETER KCEPT FOR BEND T RS FROM 45° OFFSI
Bayes 0. 375 0. 500 0. 625 0. 750 0. 875	(CHESS) 0.110 0.200 0.310 0.440 0.600 0.790	H919 0. 376 0. 668 1. 043 1. 502 2. 044 2. 670	2 ¹ /4" 3" 3 ³ /4" 4 ¹ /2" 5 ¹ /4"	HOC A OR G 7 5" 6" 7 7" 8" 7 8" 7 10" 11"	J 3″ 4″ 5″ 6″ 7″	HOOI A OR 6" 8" 10' 1-0 1-2	$\begin{array}{c c} \mathbf{KS} \\ \mathbf{KS} \\ \mathbf{F} \\ \mathbf{G} \\ \mathbf{D} \\ 1 \frac{1}{2}^{\prime \prime} \\ 2^{\prime \prime} \\ 2^{\prime \prime} \\ 2 \frac{1}{2}^{\prime \prime} \\ 4 \frac{1}{2}^{\prime \prime} \\ \frac{1}{2}^{\prime \prime} \\ 5 \frac{1}{4}^{\prime \prime} \\ \frac{1}{2}^{\prime \prime} \\ 6^{\prime \prime} \end{array}$	HOOK A OR G 4" 4 ¹ / ₂ " 6" 1-0" 1-2"	A OR 4″ 4 ¹ /2″ 5 ¹ /2″ 8″ 9″	HOOK G A OR 21/2'' 3'' $3^3/4''$ 41/2''' 51/4''	2. 3. 4. 5. 6. 7. 8.	STANDARD E ALL DIMENS HOOKS. "J" DIMENS RESTRICT H WHERE "J" ON TYPES 3 "H" DIMENS CONCRETE. UNLESS OTH HOOKS ON A WHERE SLOP WHERE BARS	BAR BENDS SIONS OUT SIONS ON HOOK SIZE IS NOT S 3, 5 ANE SIONS OF HERWISE N A BAR (E) PE DIFFEF 5 ARE TO	S INCLUDE ONLY TH T-TO-OUT, EXCEPT 180° HOOKS TO BH , OTHERWISE STAN SHOWN, "J" WILL H D 22. WHERE "J" STIRRUPS TO BE S NOTED, DIAMETER KCEPT FOR BEND T RS FROM 45° OFFSH BE BENT MORE ACC
Hat (Same) 0. 375 0. 500 0. 625 0. 750 0. 875 1. 000 1. 128	(), 110 0, 110 0, 200 0, 310 0, 440 0, 600 0, 790 1, 000	H998 0. 376 0. 668 1. 043 1. 502 2. 044 2. 670 3. 400	2 ¹ /4" 3" 3 ³ /4" 4 ¹ /2" 5 ¹ /4" 6" 9 ¹ /2"	HOC A OR G 5" 6" 7" 8" 10" 11" 1-3"	J 3" 4" 5" 6" 7" 8" 11 ³ / ₄ "	HOOI A OR 6" 8" 10' 1-0 1-2 1-4	$\begin{array}{c c} \mathbf{S} \\ \mathbf{G} \\ \mathbf{G} \\ \mathbf{D} \\ 1 \frac{1}{2}^{\prime \prime} \\ 2^{\prime \prime} \\ 2^{\prime \prime} \\ 2 \frac{1}{2}^{\prime \prime} \\ 4 \frac{1}{2}^{\prime \prime} \\ 4 \frac{1}{2}^{\prime \prime} \\ 1 \\ 5 \frac{1}{4}^{\prime \prime} \\ 1 \\ 6 \\ \end{array}$	HOOK A OR G 4" 4 ¹ / ₂ " 6" 1-0" 1-2"	A OR 4″ 4 ¹ /2″ 5 ¹ /2″ 8″ 9″	HOOK G A OR 21/2'' 3'' $3^3/4''$ 41/2''' 51/4''	2. 3. 4. 5. 6. 7. 8.	STANDARD E ALL DIMENS HOOKS. "J" DIMENS RESTRICT H WHERE "J" ON TYPES 3 "H" DIMENS CONCRETE. UNLESS OTH HOOKS ON A WHERE SLOP WHERE BARS	BAR BENDS SIONS OUT SIONS ON HOOK SIZE IS NOT S 3, 5 ANE SIONS OF HERWISE N A BAR (E) PE DIFFEF S ARE TO S, BENDIN	S INCLUDE ONLY TH T-TO-OUT, EXCEPT 180° HOOKS TO BH , OTHERWISE STAN SHOWN, "J" WILL H O 22. WHERE "J" STIRRUPS TO BE S NOTED, DIAMETER KCEPT FOR BEND T RS EROM 45° OFFSH BE BENT MORE ACC NG DIMENSIONS REC
Haiss 0.375 0.500 0.625 0.750 0.875 1.000 1.128 1.270	Q. 1100. 1100. 2000. 3100. 4400. 6000. 7901. 0001. 270	Line0. 3760. 6681. 0431. 5022. 0442. 6703. 4004. 303	$2^{1}/4''$ $3''$ $3^{3}/4''$ $4^{1}/2''$ $5^{1}/4''$ $6''$ $9^{1}/2''$ $10^{3}/4'$	HOC A OR G 5" 6" 7" 8" 10" 11" 1-3" " 1-5"	J 3" 4" 5" 6" 7" 8" 11 ³ / ₄ " 1-1 ¹ / ₄ "	HOOI A OR 6" 8" 10' 1-0 1-2 1-4 1-7 1-10	$\begin{array}{c c} \mathbf{KS} \\ \mathbf{KS} \\ \hline \mathbf{G} \\ \mathbf{D} \\ \hline 1 \frac{1}{2}^{\prime\prime} \\ 2^{\prime\prime} \\ 2^{\prime\prime} \\ 2^{\prime\prime} \\ 2^{\prime\prime} \\ 4^{\prime} 2^{\prime\prime} \\ 1 \\ 5^{\prime} 4^{\prime} \\ 1 \\ 5^{\prime} 4^{\prime\prime} \\ 1 \\ 6^{\prime\prime} \\ 1 \\ 0^{\prime\prime} \end{array}$	HOOK A OR G 4" 4 ¹ / ₂ " 6" 1-0" 1-2"	A OR 4″ 4 ¹ /2″ 5 ¹ /2″ 8″ 9″	HOOK G A OR 21/2'' 3'' $3^3/4''$ 41/2''' 51/4''	2. 3. 4. 5. 6. 7. 8. 9.	STANDARD E ALL DIMENS HOOKS. "J" DIMENS RESTRICT F WHERE "J" ON TYPES J "H" DIMENS CONCRETE. UNLESS OTF HOOKS ON A WHERE SLOP WHERE BARS TOLERANCES HAVE LIMIT	BAR BENDS SIONS OUT SIONS ON HOOK SIZE IS NOT S 3, 5 ANE SIONS OF HERWISE M A BAR (E) PE DIFFEF S ARE TO S, BENDIM TS INDICA	S INCLUDE ONLY TH T-TO-OUT, EXCEPT 180° HOOKS TO BH , OTHERWISE STAN SHOWN, "J" WILL H D 22. WHERE "J" STIRRUPS TO BE NOTED, DIAMETER KCEPT FOR BEND TH RS EROM 45° OFFSH BE BENT MORE ACH NG DIMENSIONS REM ATED.
History 0.375 0.500 0.625 0.750 0.875 1.000 1.128 1.270 1.410	Q. 1100. 1100. 2000. 3100. 4400. 6000. 7901. 0001. 2701. 560	L0. 3760. 6681. 0431. 5022. 0442. 6703. 4004. 3035. 313	$ \begin{array}{c} 2^{1}/4'' \\ 3'' \\ 3^{3}/4'' \\ 4^{1}/2'' \\ 5^{1}/4'' \\ 6'' \\ 9^{1}/2'' \\ 10^{3}/4' \\ 1-0'' \end{array} $	HOC A OR G 5" 6" 7" 8" 10" 11" 1-3" " 1-5" " 1-7"	DKS J 3" 4" 5" 6" 7" 8" 11 ³ /4" 1-1 ¹ /4" 1-2 ³ /4"	HOOI A OR 6" 8" 10' 1-0 1-2 1-4 1-7 1-10 2-0	$\begin{array}{c c} \mathbf{S} \\ \mathbf{G} \\ \mathbf{D} \\ \hline 1 \frac{1}{2}^{\prime\prime} \\ 2^{\prime\prime} \\ 2^{\prime\prime} \\ 2^{\prime\prime} \\ 2^{\prime\prime} \\ 4^{\prime} 2^{\prime\prime} \\ 5^{\prime} \\ 6^{\prime\prime} \\ \end{array}$	HOOK A OR G 4" 4 ¹ / ₂ " 6" 1-0" 1-2"	A OR 4″ 4 ¹ /2″ 5 ¹ /2″ 8″ 9″	HOOK G A OR 21/2'' 3'' $3^3/4''$ 41/2''' 51/4''	2. 3. 4. 5. 6. 7. 8. 9.	STANDARD E ALL DIMENS HOOKS. "J" DIMENS RESTRICT H WHERE "J" ON TYPES 3 "H" DIMENS CONCRETE. UNLESS OTH HOOKS ON A WHERE SLOF WHERE BARS TOLERANCES HAVE LIMIT FOR RECOMM ABOVE, 'CF	BAR BENDS SIONS OUT SIONS ON HOOK SIZE IS NOT S 3, 5 ANE SIONS OF HERWISE N A BAR (E) PE DIFFEF S ARE TO S, BENDIN FS INDICA MENDED D RSI' OR '	S INCLUDE ONLY T T-TO-OUT, EXCEPT 180° HOOKS TO B OTHERWISE STA SHOWN, "J" WILL O 22. WHERE "J" STIRRUPS TO BE NOTED, DIAMETER KCEPT FOR BEND T RS FROM 45° OFFS BE BENT MORE AC NG DIMENSIONS RE ATED. IAMETER "D", OF ACI' TABLES WHE
History 0.375 0.500 0.625 0.750 0.875 1.000 1.128 1.270 1.410 1.693	Q. 1100. 1100. 2000. 3100. 4400. 6000. 7901. 0001. 2701. 5602. 250	Image: Second stress0. 3760. 6681. 0431. 5022. 0442. 6703. 4004. 3035. 3137. 650	2 ¹ /4" 3" 3 ³ /4" 4 ¹ /2" 5 ¹ /4" 6" 9 ¹ /2" 10 ³ /4" 1-0" 1-6 ¹ /4	HOC A OR G 5" 6" 7" 8" 10" 11" 1-3" 1-5" 1-7" 4" 2-3"	J 3" 4" 5" 6" 7" 8" 11 ³ / ₄ " 1-1 ¹ / ₄ " 1-2 ³ / ₄ " 1-9 ³ / ₄ "	HOOI A OR 6" 8" 10' 1-0 1-2 1-4 1-7 1-10 2-0 2-7	$\begin{array}{c c} \mathbf{S} \\ \mathbf{G} \\ \mathbf{G} \\ 1 \frac{1}{2}^{\prime \prime} \\ 2^{\prime \prime} \\ 2^{\prime \prime} \\ 2^{\prime \prime} \\ 2^{\prime \prime} \\ 1 \frac{2^{\prime \prime}}{2^{\prime \prime}} \\ \frac{1}{2}^{\prime \prime} $	HOOK A OR G 4" 4 ¹ / ₂ " 6" 1-0" 1-2"	A OR 4″ 4 ¹ /2″ 5 ¹ /2″ 8″ 9″	HOOK G A OR 21/2'' 3'' $3^3/4''$ 41/2''' 51/4''	2. 3. 4. 5. 6. 7. 8. 9.	STANDARD E ALL DIMENS HOOKS. "J" DIMENS RESTRICT F WHERE "J" ON TYPES 3 "H" DIMENS CONCRETE. UNLESS OTF HOOKS ON A WHERE SLOF WHERE BARS TOLERANCES HAVE LIMIT FOR RECOMM ABOVE, 'CF TYPE S1-SE	BAR BENDS SIONS OUT SIONS ON HOOK SIZE IS NOT S 3, 5 ANE SIONS OF HERWISE N A BAR (E) PE DIFFEF S ARE TO S, BENDIN FS INDICA MENDED D RSI' OR ' 5, S11, T	S INCLUDE ONLY T T-TO-OUT, EXCEPT 180° HOOKS TO B OTHERWISE STA SHOWN, "J" WILL O 22. WHERE "J" STIRRUPS TO BE NOTED, DIAMETER KCEPT FOR BEND T RS FROM 45° OFFS BE BENT MORE AC NG DIMENSIONS RE ATED. IAMETER "D", OF ACI' TABLES WHE
High Sign 0.375 0.500 0.625 0.750 0.875 1.000 1.128 1.270 1.410 1.693	Q. 1100. 1100. 2000. 3100. 4400. 6000. 7901. 0001. 2701. 5602. 250	L0. 3760. 6681. 0431. 5022. 0442. 6703. 4004. 3035. 313	2 ¹ /4" 3" 3 ³ /4" 4 ¹ /2" 5 ¹ /4" 6" 9 ¹ /2" 10 ³ /4" 1-0" 1-6 ¹ /4	HOC A OR G 5" 6" 7" 8" 10" 11" 1-3" 1-5" 1-7" 4" 2-3"	DKS J 3" 4" 5" 6" 7" 8" 11 ³ /4" 1-1 ¹ /4" 1-2 ³ /4"	HOOI A OR 6" 8" 10' 1-0 1-2 1-4 1-7 1-10 2-0	$\begin{array}{c c} \mathbf{S} \\ \mathbf{G} \\ \mathbf{G} \\ 1 \frac{1}{2}^{\prime \prime} \\ 2^{\prime \prime} \\ 2^{\prime \prime} \\ 2^{\prime \prime} \\ 2^{\prime \prime} \\ 1 \frac{2^{\prime \prime}}{2^{\prime \prime}} \\ \frac{1}{2}^{\prime \prime} $	HOOK A OR G 4" 4 ¹ / ₂ " 6" 1-0" 1-2"	A OR 4″ 4 ¹ /2″ 5 ¹ /2″ 8″ 9″	HOOK G A OR 21/2'' 3'' $3^3/4''$ 41/2''' 51/4''	2. 3. 4. 5. 6. 7. 8. 9.	STANDARD E ALL DIMENS HOOKS. "J" DIMENS RESTRICT H WHERE "J" ON TYPES 3 "H" DIMENS CONCRETE. UNLESS OTH HOOKS ON A WHERE SLOF WHERE BARS TOLERANCES HAVE LIMIT FOR RECOMM ABOVE, 'CF	BAR BENDS SIONS OUT SIONS ON HOOK SIZE IS NOT S 3, 5 ANE SIONS OF HERWISE N A BAR (E) PE DIFFEF S ARE TO S, BENDIN FS INDICA MENDED D RSI' OR ' 5, S11, T	S INCLUDE ONLY TH T-TO-OUT, EXCEPT 180° HOOKS TO BH , OTHERWISE STAN SHOWN, "J" WILL H O 22. WHERE "J" STIRRUPS TO BE S NOTED, DIAMETER " KCEPT FOR BEND T" RS FROM 45° OFFSH BE BENT MORE ACC NG DIMENSIONS REC ATED. IAMETER "D", OF H 'ACI' TABLES WHEN
History 0.375 0.500 0.625 0.750 0.875 1.000 1.128 1.270 1.410 1.693 2.257	Q. 1100. 1100. 2000. 3100. 4400. 6000. 7901. 0001. 2701. 5602. 250	L0. 3760. 6681. 0431. 5022. 0442. 6703. 4004. 3035. 3137. 65013. 600	$2^{1}/4''$ $3''$ $3^{3}/4''$ $4^{1}/2''$ $5^{1}/4''$ $6''$ $9^{1}/2''$ $10^{3}/4'$ $1^{-}0^{4'}$ $1^{-}6^{1}/2$ $2^{-}0''$	HOC A OR G 5" 6" 7" 6" 7" 8" 10" 11" 1-3" 1-5" 1-7" 4" 2-3" 3-0"	J 3" 4" 5" 6" 7" 8" 11 ³ / ₄ " 1-1 ¹ / ₄ " 1-2 ³ / ₄ " 1-9 ³ / ₄ "	HOOI A OR 6" 8" 10' 1-0 1-2 1-4 1-7 1-10 2-0 2-7	$\begin{array}{c c} \mathbf{S} \\ \mathbf{G} \\ \mathbf{G} \\ 1 \frac{1}{2}^{\prime \prime} \\ 2^{\prime \prime} \\ 2^{\prime \prime} \\ 2^{\prime \prime} \\ 2^{\prime \prime} \\ 1 \frac{2^{\prime \prime}}{2^{\prime \prime}} \\ \frac{1}{2}^{\prime \prime} $	HOOK A OR G 4" 4 ¹ / ₂ " 6" 1-0" 1-2"	A OR 4″ 4 ¹ /2″ 5 ¹ /2″ 8″ 9″	HOOK G A OR 21/2'' 3'' $3^3/4''$ 41/2''' 51/4''	2. 3. 4. 5. 6. 7. 8. 9.	STANDARD E ALL DIMENS HOOKS. "J" DIMENS RESTRICT F WHERE "J" ON TYPES 3 "H" DIMENS CONCRETE. UNLESS OTF HOOKS ON A WHERE SLOF WHERE BARS TOLERANCES HAVE LIMIT FOR RECOMM ABOVE, 'CF TYPE S1-SE	BAR BENDS SIONS OUT SIONS ON HOOK SIZE IS NOT S 3, 5 ANE SIONS OF HERWISE N A BAR (E) PE DIFFEF S ARE TO S, BENDIN FS INDICA MENDED D RSI' OR ' 5, S11, T	S INCLUDE ONLY TH T-TO-OUT, EXCEPT 180° HOOKS TO BH , OTHERWISE STAN SHOWN, "J" WILL H O 22. WHERE "J" STIRRUPS TO BE S NOTED, DIAMETER KCEPT FOR BEND T RS EROM 45° OFFSH BE BENT MORE ACC NG DIMENSIONS REC
History 0.375 0.500 0.625 0.750 0.875 1.000 1.128 1.270 1.410 1.693 2.257	Reserve0. 1100. 2000. 3100. 4400. 6000. 7901. 0001. 2701. 5602. 2504. 000	L0. 3760. 6681. 0431. 5022. 0442. 6703. 4004. 3035. 3137. 65013. 600	$2^{1}/4''$ $3''$ $3^{3}/4''$ $4^{1}/2''$ $5^{1}/4''$ $6''$ $9^{1}/2''$ $10^{3}/4'$ $1^{-}0^{4'}$ $1^{-}6^{1}/2$ $2^{-}0''$	HOC A OR G 5" 6" 7" 6" 7" 8" 10" 11" 1-3" 1-5" 1-7" 4" 2-3" 3-0"	J 3" 4" 5" 6" 7" 8" 11 ³ / ₄ " 1-1 ¹ / ₄ " 1-2 ³ / ₄ " 1-9 ³ / ₄ "	HOOI A OR 6" 8" 10' 1-0 1-2 1-4 1-7 1-10 2-0 2-7	$\begin{array}{c c} \mathbf{S} \\ \mathbf{G} \\ \mathbf{G} \\ 1 \frac{1}{2}^{\prime \prime} \\ 2^{\prime \prime} \\ 2^{\prime \prime} \\ 2^{\prime \prime} \\ 2^{\prime \prime} \\ 1 \frac{2^{\prime \prime}}{2^{\prime \prime}} \\ \frac{1}{2}^{\prime \prime} $	HOOK A OR G 4" 4 ¹ / ₂ " 6" 1-0" 1-2"	A OR 4″ 4 ¹ /2″ 5 ¹ /2″ 8″ 9″	HOOK G A OR 21/2'' 3'' $3^3/4''$ 41/2''' 51/4''	2. 3. 4. 5. 6. 7. 8. 9.	STANDARD E ALL DIMENS HOOKS. "J" DIMENS RESTRICT F WHERE "J" ON TYPES 3 "H" DIMENS CONCRETE. UNLESS OTF HOOKS ON A WHERE SLOF WHERE BARS TOLERANCES HAVE LIMIT FOR RECOMM ABOVE, 'CF TYPE S1-SE	BAR BENDS SIONS OUT SIONS ON HOOK SIZE IS NOT S 3, 5 ANE SIONS OF HERWISE N A BAR (E) PE DIFFEF S ARE TO S, BENDIN FS INDICA MENDED D RSI' OR ' 5, S11, T	S INCLUDE ONLY TH T-TO-OUT, EXCEPT 180° HOOKS TO BH , OTHERWISE STAN SHOWN, "J" WILL H O 22. WHERE "J" STIRRUPS TO BE S NOTED, DIAMETER " KCEPT FOR BEND T" RS FROM 45° OFFSH BE BENT MORE ACC NG DIMENSIONS REC ATED. IAMETER "D", OF H 'ACI' TABLES WHEN
High 0.375 0.500 0.625 0.750 0.875 1.000 1.128 1.270 1.410 1.693 2.257	Vertical 0. 110 0. 200 0. 310 0. 440 0. 600 0. 790 1. 000 1. 270 1. 560 2. 250 4. 000		2 ¹ /4" 3" 3 ³ /4" 4 ¹ /2" 5 ¹ /4" 6" 9 ¹ /2" 10 ³ /4' 1-0" 1-6 ¹ /2 2-0" TIE	HOC A OR G 5" 6" 7" 6" 7" 8" 10" 11" 1-3" 1-5" 1-7" 4" 2-3" 3-0"	J 3" 4" 5" 6" 7" 8" 11 ³ / ₄ " 1-1 ¹ / ₄ " 1-2 ³ / ₄ " 1-9 ³ / ₄ "	HOOI A OR 6" 8" 10' 1-0 1-2 1-4 1-7 1-10 2-0 2-7	$\begin{array}{c c} \mathbf{S} \\ \mathbf{G} \\ \mathbf{G} \\ 1 \frac{1}{2}^{\prime \prime} \\ 2^{\prime \prime} \\ 2^{\prime \prime} \\ 2^{\prime \prime} \\ 2^{\prime \prime} \\ 1 \frac{2^{\prime \prime}}{2^{\prime \prime}} \\ \frac{1}{2}^{\prime \prime} $	HOOK A OR G 4" 4 ¹ / ₂ " 6" 1-0" 1-2"	A OR 4″ 4 ¹ /2″ 5 ¹ /2″ 8″ 9″	HOOK G A OR 21/2'' 3'' $3^3/4''$ 41/2''' 51/4''	2. 3. 4. 5. 6. 7. 8. 9.	STANDARD E ALL DIMENS HOOKS. "J" DIMENS RESTRICT F WHERE "J" ON TYPES 3 "H" DIMENS CONCRETE. UNLESS OTF HOOKS ON A WHERE SLOF WHERE BARS TOLERANCES HAVE LIMIT FOR RECOMM ABOVE, 'CF TYPE S1-SE	BAR BENDS SIONS OUT SIONS ON HOOK SIZE IS NOT S 3, 5 ANE SIONS OF HERWISE N A BAR (E) PE DIFFEF S ARE TO S, BENDIN FS INDICA MENDED D RSI' OR ' 5, S11, T	S INCLUDE ONLY TH T-TO-OUT, EXCEPT 180° HOOKS TO BH , OTHERWISE STAN SHOWN, "J" WILL H O 22. WHERE "J" STIRRUPS TO BE S NOTED, DIAMETER " KCEPT FOR BEND T" RS FROM 45° OFFSH BE BENT MORE ACC NG DIMENSIONS REC ATED. IAMETER "D", OF H 'ACI' TABLES WHEN
History 0.375 0.500 0.625 0.750 0.875 1.000 1.128 1.270 1.410 1.693 2.257		Image: Second structure 0. 376 0. 376 0. 668 1. 043 1. 502 2. 044 2. 670 3. 400 4. 303 5. 313 7. 650 13. 600	2 ¹ /4" 3" 3 ³ /4" 4 ¹ /2" 5 ¹ /4" 6" 9 ¹ /2" 10 ³ /4' 1-0" 1-6 ¹ /2 2-0" TIE	HOC A OR G 5" 6" 7" 6" 7" 8" 10" 11" 1-3" 1-5" 1-7" 4" 2-3" 3-0"	J 3" 4" 5" 6" 7" 8" 11 ³ / ₄ " 1-1 ¹ / ₄ " 1-2 ³ / ₄ " 1-9 ³ / ₄ "	HOOI A OR 6" 8" 10' 1-0 1-2 1-4 1-7 1-10 2-0 2-7	$\begin{array}{c c} \mathbf{S} \\ \mathbf{G} \\ \mathbf{G} \\ 1 \frac{1}{2}^{\prime \prime} \\ 2^{\prime \prime} \\ 2^{\prime \prime} \\ 2^{\prime \prime} \\ 2^{\prime \prime} \\ 1 \frac{2^{\prime \prime}}{2^{\prime \prime}} \\ \frac{1}{2}^{\prime \prime} $	HOOK A OR G 4" 4 ¹ / ₂ " 6" 1-0" 1-2" 1-4"	A OR 4" 4 ¹ /2" 5 ¹ /2" 8" 9" 10 ¹ /2	HOOK G A OR 21/2'' 3'' $3^3/4''$ 41/2''' 51/4''	2. 3. 4. 5. 6. 7. 8. 9. 10. 11.	STANDARD E ALL DIMENS HOOKS. "J" DIMENS RESTRICT F WHERE "J" ON TYPES J "H" DIMENS CONCRETE. UNLESS OTF HOOKS ON A WHERE SLOF WHERE BARS TOLERANCES HAVE LIMIT FOR RECOMM ABOVE, 'CF TYPE S1-SE THROUGH #8	BAR BENDS SIONS OUT SIONS ON HOOK SIZE IS NOT S 3, 5 ANE SIONS OF HERWISE N A BAR (E) PE DIFFEF S ARE TO S, BENDIN FS INDICA MENDED D RSI' OR ' 5, S11, T	S INCLUDE ONLY TH T-TO-OUT, EXCEPT 180° HOOKS TO BH , OTHERWISE STAN SHOWN, "J" WILL H O 22. WHERE "J" STIRRUPS TO BE S NOTED, DIAMETER " KCEPT FOR BEND T" RS FROM 45° OFFSH BE BENT MORE ACC NG DIMENSIONS REC ATED. IAMETER "D", OF H 'ACI' TABLES WHEN
High 0.375 0.500 0.625 0.750 0.875 1.000 1.128 1.270 1.410 1.693 2.257	0. 110 0. 200 0. 310 0. 440 0. 600 0. 790 1. 000 1. 270 1. 560 2. 250 4. 000	Image: Second structure 0. 376 0. 376 0. 668 1. 043 1. 502 2. 044 2. 670 3. 400 4. 303 5. 313 7. 650 13. 600	2 ¹ /4" 3" 3 ³ /4" 4 ¹ /2" 5 ¹ /4" 6" 9 ¹ /2" 10 ³ /4' 1-0" 1-6 ¹ /2 2-0" TIE	HOC A OR G 5" 6" 7" 8" 10" 11" 1-3" 1-5" 1-7" 4" 2-3" 7 4" 2-3" 7 4" 3-0" HOOKS	J 3" 4" 5" 6" 7" 8" 11 ³ / ₄ " 1-1 ¹ / ₄ " 1-2 ³ / ₄ " 1-9 ³ / ₄ "	HOOI A OR 6" 8" 10' 1-0 1-2 1-4 1-7 1-10 2-0 2-7	<pre>KS D KS D KS D KS C KS C</pre>	HOOK A OR G 4" 4 ¹ / ₂ " 6" 1-0" 1-2" 1-4" 1-4"	A OR 4" 4 ¹ /2" 5 ¹ /2" 8" 9" 10 ¹ /2	HOOK G A OR 21/2" 3" 33/4" 41/2" 51/4" 6" 90° EN	2. 3. 4. 5. 6. 7. 8. 9. 10. 11.	STANDARD E ALL DIMENS HOOKS. "J" DIMENS RESTRICT F WHERE "J" ON TYPES 3 "H" DIMENS CONCRETE. UNLESS OTH HOOKS ON A WHERE SLOF WHERE BARS TOLERANCES HAVE LIMIT FOR RECOMM ABOVE, 'CF TYPE S1-SE THROUGH #8	BAR BENDS SIONS OUT SIONS ON HOOK SIZE IS NOT S 3, 5 ANE SIONS OF HERWISE N A BAR (E) PE DIFFEF S ARE TO S, BENDIN FS INDICA MENDED D RSI' OR ' 5, S11, T	S INCLUDE ONLY T T-TO-OUT, EXCEPT 180° HOOKS TO B OTHERWISE STA SHOWN, "J" WILL O 22. WHERE "J" STIRRUPS TO BE NOTED, DIAMETER KCEPT FOR BEND T RS FROM 45° OFFS BE BENT MORE AC NG DIMENSIONS RE ATED. IAMETER "D", OF ACI' TABLES WHE
Image: Second state sta		Image: Second state sta	2 ¹ /4" 3" 3 ³ /4" 4 ¹ /2" 5 ¹ /4" 6" 9 ¹ /2" 10 ³ /4' 1-0" 1-6 ¹ /2 2-0" TIE	HOC A OR G 5" 6" 7" 8" 10" 11" 1-3" 1-5" 1-7" 4" 2-3" 7 4" 2-3" 7 4" 3-0" HOOKS	J 3" 4" 5" 6" 7" 8" 11 ³ / ₄ " 1-1 ¹ / ₄ " 1-2 ³ / ₄ " 1-9 ³ / ₄ "	HOOI A OR 6" 8" 10' 1-0 1-2 1-4 1-7 1-10 2-0 2-7	<pre>KS D KS D KS D KS D KS D KS C KS C</pre>	HOOK A OR G 4" 4 ¹ / ₂ " 6" 1-0" 1-2" 1-4"	A OR 4" 4 ¹ /2" 5 ¹ /2" 8" 9" 10 ¹ /2' 10 ¹ /2'	HOOK G A OR 21/2" 3" 41/2" 51/4" 6" 90° EN	2. 3. 4. 5. 6. 7. 8. 9. 10. 11.	STANDARD E ALL DIMENS HOOKS. "J" DIMENS RESTRICT F WHERE "J" ON TYPES J "H" DIMENS CONCRETE. UNLESS OTF HOOKS ON A WHERE SLOF WHERE BARS TOLERANCES HAVE LIMIT FOR RECOMM ABOVE, 'CF TYPE S1-SE THROUGH #8	BAR BENDS SIONS OUT SIONS ON HOOK SIZE IS NOT S 3, 5 ANE SIONS OF HERWISE N A BAR (E) PE DIFFEF S ARE TO S, BENDIN FS INDICA MENDED D RSI' OR ' 5, S11, T	S INCLUDE ONLY TH T-TO-OUT, EXCEPT 180° HOOKS TO BH , OTHERWISE STAN SHOWN, "J" WILL D 22. WHERE "J" STIRRUPS TO BE NOTED, DIAMETER KCEPT FOR BEND TH RS FROM 45° OFFSH BE BENT MORE ACH NG DIMENSIONS REH ATED. IAMETER "D", OF ACI' TABLES WHEN T1-T3 AND T6-T9
Image: Second state sta	0. 110 0. 200 0. 310 0. 440 0. 600 0. 790 1. 000 1. 270 1. 560 2. 250 4. 000	Image: Second state sta	2 ¹ /4" 3" 3 ³ /4" 4 ¹ /2" 5 ¹ /4" 6" 9 ¹ /2" 10 ³ /4' 1-0" 1-6 ¹ /2 2-0" TIE	HOC A OR G 5" 6" 7" 8" 10" 11" 1-3" 1-5" 1-7" 4" 2-3" 7 4" 2-3" 7 4" 3-0" HOOKS	J 3" 4" 5" 6" 7" 8" 11 ³ / ₄ " 1-1 ¹ / ₄ " 1-2 ³ / ₄ " 1-9 ³ / ₄ "	HOOI A OR 6" 8" 10' 1-0 1-2 1-4 1-7 1-10 2-0 2-7	<pre>KS D KS D KS D KS D KS D KS C KS C</pre>	HOOK A OR G 4" 4 ¹ /2" 6" 1-0" 1-2" 1-4" 1-4" 1-4" 1-4"	A OR 4" 4 ¹ /2" 5 ¹ /2" 8" 9" 10 ¹ /2' 10 ¹ /2'	HOOK G A OR 21/2" 3" 41/2" 51/4" 6" 90° EN	2. 3. 4. 5. 6. 7. 8. 9. 10. 11.	STANDARD E ALL DIMENS HOOKS. "J" DIMENS RESTRICT H WHERE "J" ON TYPES J "H" DIMENS CONCRETE. UNLESS OTH HOOKS ON A WHERE SLOF WHERE BARS TOLERANCES HAVE LIMIT FOR RECOMM ABOVE, 'CF TYPE S1-SE THROUGH #8	BAR BENDS SIONS OUT SIONS ON HOOK SIZE IS NOT S 3, 5 AND SIONS OF HERWISE N A BAR (E) PE DIFFEF S ARE TO S, BENDIN FS INDICA MENDED D RSI' OR ' 5, S11, T 3.	S INCLUDE ONLY TH T-TO-OUT, EXCEPT 180° HOOKS TO BE , OTHERWISE STAN SHOWN, "J" WILL D 22. WHERE "J" STIRRUPS TO BE NOTED, DIAMETER KCEPT FOR BEND TH RS EROM 45° OFFSU BE BENT MORE ACH NG DIMENSIONS REMATED. IAMETER "D", OF ME ATED. IAMETER "D", OF ME TI-T3 AND T6-T9 E
Image: Second state sta	0. 110 0. 200 0. 310 0. 440 0. 600 0. 790 1. 000 1. 270 1. 560 2. 250 4. 000 STIRRU	LSO2 0. 376 0. 668 1. 043 1. 502 2. 044 2. 670 3. 400 4. 303 5. 313 7. 650 13. 600 PAND	2 ¹ /4" 3" 3 ³ /4" 4 ¹ /2" 5 ¹ /4" 6" 9 ¹ /2" 10 ³ /4' 1-0" 1-6 ¹ /2 2-0" TIE	HOC A OR G 5" 6" 7" 8" 10" 11" 1-3" 1-5" 1-7" 4" 2-3" 7 4" 2-3" 7 4" 3-0" HOOKS	J 3" 4" 5" 6" 7" 8" 11 ³ / ₄ " 1-1 ¹ / ₄ " 1-2 ³ / ₄ " 1-9 ³ / ₄ "	HOOI A OR 6" 8" 10' 1-0 1-2 1-4 1-7 1-10 2-0 2-7	<pre>KS D KS D KS D KS D KS D KS C KS C</pre>	HOOK A OR G 4" 4 ¹ /2" 6" 1-0" 1-2" 1-4" 1-4" 1-4" 1-4"	A OR 4" 4 ¹ /2" 5 ¹ /2" 8" 9" 10 ¹ /2' 10 ¹ /2'	HOOK G A OR 21/2" 3" 41/2" 51/4" 6" 90° EN	2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 11.	STANDARD E ALL DIMENS HOOKS. "J" DIMENS RESTRICT F WHERE "J" ON TYPES 3 "H" DIMENS CONCRETE. UNLESS OTH HOOKS ON A WHERE SLOP WHERE BARS TOLERANCES HAVE LIMIT FOR RECOMM ABOVE, 'CF TYPE S1-SE THROUGH #8	BAR BENDS SIONS OUT SIONS ON HOOK SIZE IS NOT S 3, 5 AND SIONS OF HERWISE N A BAR (E) PE DIFFEF S ARE TO S, BENDIN TS INDICA MENDED D RSI' OR ' 5, S11, T 3.	S INCLUDE ONLY TH T-TO-OUT, EXCEPT 180° HOOKS TO BH , OTHERWISE STAN SHOWN, "J" WILL H D 22. WHERE "J" STIRRUPS TO BE S NOTED, DIAMETER KCEPT FOR BEND T' RS FROM 45° OFFSH BE BENT MORE ACO NG DIMENSIONS REO ATED. IAMETER "D", OF H Y ACI' TABLES WHEN T1-T3 AND T6-T9 A
Image: Second symbol 0.375 0.500 0.625 0.750 0.875 1.000 1.128 1.270 1.410 1.693 2.257	0. 110 0. 200 0. 310 0. 440 0. 600 0. 790 1. 000 1. 270 1. 560 2. 250 4. 000 STIRRU 7,8 ,5 A OR G		2 ¹ /4" 3" 3 ³ /4" 4 ¹ /2" 5 ¹ /4" 6" 9 ¹ /2" 10 ³ /4' 1-0" 1-6 ¹ /2 2-0" TIE	HOC A OR G 5" 6" 7" 8" 10" 11" 1-3" 1-5" 1-7" 4" 2-3" 3-0" HOOKS	DKS J 3'' 4'' 5'' 6'' 7'' 8'' $11\frac{3}{4}''$ $1-2\frac{3}{4}''$ $1-9\frac{3}{4}''$ $1-9\frac{3}{4}''$ $2-4\frac{1}{2}''$	HOOI A OR 6" 8" 10' 1-0 1-2 1-4 1-7 1-10 2-0 2-7	<pre></pre>	HOOK A OR G 4" 4 ¹ / ₂ " 6" 1-0" 1-2" 1-4" 1-4" 1-4" 1-4" 1-4"	A OR 4" 4 ¹ /2" 5 ¹ /2" 8" 9" 10 ¹ /2' 10 ¹ /2'	HOOK G A OR 21/2" 3" 41/2" 51/4" 6" 90° EN	2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 11. DE DE \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow	STANDARD E ALL DIMENS HOOKS. "J" DIMENS RESTRICT F WHERE "J" ON TYPES 3 "H" DIMENS CONCRETE. UNLESS OTH HOOKS ON A WHERE SLOF WHERE BARS TOLERANCES HAVE LIMIT FOR RECOMM ABOVE, 'CF TYPE S1-SE THROUGH #8	BAR BENDS SIONS OUT SIONS ON HOOK SIZE IS NOT S 3, 5 AND SIONS OF HERWISE N A BAR (E) PE DIFFEF S ARE TO S, BENDIN TS INDICA MENDED D RSI' OR ' 5, S11, T 3.	S INCLUDE ONLY TH T-TO-OUT, EXCEPT 180° HOOKS TO BH , OTHERWISE STAN SHOWN, "J" WILL H D 22. WHERE "J" STIRRUPS TO BE SHOT NOTED, DIAMETER CEPT FOR BEND TY RS FROM 45° OFFSH BE BENT MORE ACH NG DIMENSIONS REA ATED. IAMETER "D", OF H ACI' TABLES WHEN TI-T3 AND T6-T9 A ENLARGED VIEW S
Image: Second symbol 0.375 0.500 0.625 0.750 0.875 1.000 1.128 1.270 1.410 1.693 2.257	0. 110 0. 200 0. 310 0. 440 0. 600 0. 790 1. 000 1. 270 1. 560 2. 250 4. 000 STIRRU 7,8 ,5 A OR G	LSO2 0. 376 0. 668 1. 043 1. 502 2. 044 2. 670 3. 400 4. 303 5. 313 7. 650 13. 600 PAND	2 ¹ /4" 3" 3 ³ /4" 4 ¹ /2" 5 ¹ /4" 6" 9 ¹ /2" 10 ³ /4' 1-0" 1-6 ¹ /2 2-0" TIE	HOC A OR G 5" 6" 7" 8" 10" 11" 1-3" 1-5" 1-7" 4" 2-3" 7 3-0" HOOKS	DKS J 3'' 4'' 5'' 6'' 7'' 8'' $11\frac{3}{4}''$ $1-2\frac{3}{4}''$ $1-9\frac{3}{4}''$ $1-9\frac{3}{4}''$ $2-4\frac{1}{2}''$	HOOI A OR 6" 8" 10' 1-0 1-2 1-4 1-7 1-10 2-0 2-7 3-5	KS D a G D $1 \frac{1}{2}$ " 2 " $2 \frac{1}{2}$ " $4 \frac{1}{2}$ " " $5 \frac{1}{4}$ " " 6 " " 6 " " 0 " 0 0 " <t< td=""><td>HOOK A OR G 4" 4¹/2" 6" 1-0" 1-2" 1-4" 1-4" 1-4" 1-4" 1-4"</td><td>A OR 4" 4¹/₂" 5¹/₂" 8" 9" 10¹/₂ 10¹/₂ AND HOOP A OR</td><td>HOOK G A OR 21/2" 3" 33/4" 41/2" 51/4" 6" 90° EN</td><td>2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 11. DE DE \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow</td><td>STANDARD E ALL DIMENS HOOKS. "J" DIMENS RESTRICT F WHERE "J" ON TYPES 3 "H" DIMENS CONCRETE. UNLESS OTH HOOKS ON A WHERE SLOP WHERE BARS TOLERANCES HAVE LIMIT FOR RECOMM ABOVE, 'CF TYPE S1-SE THROUGH #8</td><td>BAR BENDS SIONS OUT SIONS ON HOOK SIZE IS NOT S 3, 5 AND SIONS OF HERWISE N A BAR (E) PE DIFFEF S ARE TO S, BENDIN TS INDICA MENDED D RSI' OR ' 5, S11, T 3.</td><td>S INCLUDE ONLY TH T-TO-OUT, EXCEPT 180° HOOKS TO BH , OTHERWISE STAN SHOWN, "J" WILL H D 22. WHERE "J" STIRRUPS TO BE SHOT NOTED, DIAMETER CEPT FOR BEND TY RS FROM 45° OFFSH BE BENT MORE ACH NG DIMENSIONS REA ATED. IAMETER "D", OF H ACI' TABLES WHEN TI-T3 AND T6-T9 A ENLARGED VIEW S</td></t<>	HOOK A OR G 4" 4 ¹ /2" 6" 1-0" 1-2" 1-4" 1-4" 1-4" 1-4" 1-4"	A OR 4" 4 ¹ / ₂ " 5 ¹ / ₂ " 8" 9" 10 ¹ / ₂ 10 ¹ / ₂ AND HOOP A OR	HOOK G A OR 21/2" 3" 33/4" 41/2" 51/4" 6" 90° EN	2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 11. DE DE \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow \downarrow	STANDARD E ALL DIMENS HOOKS. "J" DIMENS RESTRICT F WHERE "J" ON TYPES 3 "H" DIMENS CONCRETE. UNLESS OTH HOOKS ON A WHERE SLOP WHERE BARS TOLERANCES HAVE LIMIT FOR RECOMM ABOVE, 'CF TYPE S1-SE THROUGH #8	BAR BENDS SIONS OUT SIONS ON HOOK SIZE IS NOT S 3, 5 AND SIONS OF HERWISE N A BAR (E) PE DIFFEF S ARE TO S, BENDIN TS INDICA MENDED D RSI' OR ' 5, S11, T 3.	S INCLUDE ONLY TH T-TO-OUT, EXCEPT 180° HOOKS TO BH , OTHERWISE STAN SHOWN, "J" WILL H D 22. WHERE "J" STIRRUPS TO BE SHOT NOTED, DIAMETER CEPT FOR BEND TY RS FROM 45° OFFSH BE BENT MORE ACH NG DIMENSIONS REA ATED. IAMETER "D", OF H ACI' TABLES WHEN TI-T3 AND T6-T9 A ENLARGED VIEW S
Image: Second structure 0.375 0.500 0.625 0.750 0.875 1.000 1.128 1.270 1.410 1.693 2.257	0. 110 0. 200 0. 310 0. 440 0. 600 0. 790 1. 000 1. 270 1. 560 2. 250 4. 000 STIRRU STIRRU	LSO2 0. 376 0. 668 1. 043 1. 502 2. 044 2. 670 3. 400 4. 303 5. 313 7. 650 13. 600 PAND	2 ¹ /4" 3" 3 ³ /4" 4 ¹ /2" 5 ¹ /4" 6" 9 ¹ /2" 10 ³ /4' 1-0" 1-6 ¹ /2 2-0" TIE	HOC A OR G 5" 6" 7" 8" 10" 11" 1-3" 1-5" 1-7" 4" 2-3" 7 3-0" HOOKS	DKS J 3'' 4'' 5'' 6'' 7'' 8'' $11\frac{3}{4}''$ $1-1\frac{1}{4}''$ $1-2\frac{3}{4}''$ $1-9\frac{3}{4}''$ $2-4\frac{1}{2}''$	HOOI A OR 6" 8" 10' 1-0 1-2 1-4 1-7 1-10 2-0 2-7 3-5	KS D I $1^{1}/2^{"}$ I $1^{1}/2^{"}$ I $2^{1}/2^{"}$ I $2^{1}/2^{"}$ I $3^{1}/2^{"}$ I $5^{1}/4^{"}$ I $6^{"}$ I $1^{"}$ I $1^{"}$ I $1^{"}$	HOOK A OR G 4" 4 ¹ /2" 6" 1-0" 1-2" 1-4" 1-4" 1-4" 1-4" 1-4"	A OR 4" 4 ¹ /2" 5 ¹ /2" 8" 9" 10 ¹ /2' AND HOOK A OR HOOK A OR HOOK	HOOK G A OR 21/2" 3" 33/4" 41/2" 51/4" 6" 90° EN	2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 11. DE DE DE DE C C	STANDARD E ALL DIMENS HOOKS. "J" DIMENS RESTRICT F WHERE "J" ON TYPES 3 "H" DIMENS CONCRETE. UNLESS OTH HOOKS ON A WHERE SLOP WHERE BARS TOLERANCES HAVE LIMIT FOR RECOMM ABOVE, 'CF TYPE S1-SE THROUGH #8	BAR BENDS SIONS OUT SIONS ON HOOK SIZE IS NOT S 3, 5 AND SIONS OF HERWISE N A BAR (E) PE DIFFEF S ARE TO S, BENDIN FS INDICA MENDED D RSI' OR ' 5, S11, T 3.	S INCLUDE ONLY TH T-TO-OUT, EXCEPT 180° HOOKS TO BH , OTHERWISE STAN SHOWN, "J" WILL H D 22. WHERE "J" STIRRUPS TO BE SHOT NOTED, DIAMETER CEPT FOR BEND TY RS FROM 45° OFFSH BE BENT MORE ACH NG DIMENSIONS REA ATED. IAMETER "D", OF H ACI' TABLES WHEN TI-T3 AND T6-T9 A ENLARGED VIEW S
Image: Second structure 0.375 0.500 0.625 0.750 0.875 1.000 1.128 1.270 1.410 1.693 2.257	0. 110 0. 200 0. 310 0. 440 0. 600 0. 790 1. 000 1. 270 1. 560 2. 250 4. 000 STIRRU STIRRU	LSO2 0. 376 0. 668 1. 043 1. 502 2. 044 2. 670 3. 400 4. 303 5. 313 7. 650 13. 600 PAND	2 ¹ /4" 3" 3 ³ /4" 4 ¹ /2" 5 ¹ /4" 6" 9 ¹ /2" 10 ³ /4' 1-0" 1-6 ¹ /2 2-0" TIE BEAM BEAM NOISNAU H BEAM	HOC A OR G 5" 6" 7" 8" 10" 11" 1-3" 1-5" 1-7" 4" 2-3" 7 3-0" HOOKS	J 3" 4" 5" 6" 7" 8" 11 ³ / ₄ " 1-2 ³ / ₄ " 1-2 ³ / ₄ " 1-9 ³ / ₄ " 1-9 ³ / ₄ " 2-4 ¹ / ₂ " J 35°	HOOI A OR 6" 8" 10' 1-0 1-2 1-4 1-7 1-10 2-0 2-7 3-5	KS D I $1^{1}/2^{"}$ I $1^{1}/2^{"}$ I $2^{1}/2^{"}$ I $2^{1}/2^{"}$ I $3^{1}/2^{"}$ I $5^{1}/4^{"}$ I $6^{"}$ I $1^{"}$ I $1^{"}$ I $1^{"}$	HOOK A OR G 4" 4 ¹ /2" 6" 1-0" 1-2" 1-4" 1-4" 1-4" 1-4" 1-4"	A OR 4" 4 ¹ /2" 5 ¹ /2" 8" 9" 10 ¹ /2' AND HOOK A OR HOOK A OR HOOK	HOOK G A OR 21/2" 3" 33/4" 41/2" 51/4" 6" 90° EN	2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 11. DE DE DE DE C C	STANDARD E ALL DIMENS HOOKS. "J" DIMENS RESTRICT F WHERE "J" ON TYPES 3 "H" DIMENS CONCRETE. UNLESS OTH HOOKS ON A WHERE SLOP WHERE BARS TOLERANCES HAVE LIMIT FOR RECOMM ABOVE, 'CF TYPE S1-SE THROUGH #8	BAR BENDS SIONS OUT SIONS ON HOOK SIZE IS NOT S 3, 5 AND SIONS OF HERWISE N A BAR (E) PE DIFFEF S ARE TO S, BENDIN FS INDICA MENDED D RSI' OR ' 5, S11, T 3.	S INCLUDE ONLY TH T-TO-OUT, EXCEPT 180° HOOKS TO BH , OTHERWISE STAN SHOWN, "J" WILL H D 22. WHERE "J" STIRRUPS TO BE SHOWN NOTED, DIAMETER KCEPT FOR BEND T RS EROM 45° OFFSH BE BENT MORE ACC NG DIMENSIONS REC ATED. IAMETER "D", OF H ACI' TABLES WHEN T1-T3 AND T6-T9 A ENLARGED VIEW SE BAR BENDING DE
Image: Second state of the second s	Value 0. 110 0. 200 0. 310 0. 440 0. 600 0. 790 1. 000 1. 270 1. 560 2. 250 4. 000 STIRRU 7,8 ,5 A OR G - d 90°	LSign 0. 376 0. 668 1. 043 1. 502 2. 044 2. 670 3. 400 4. 303 5. 313 7. 650 13. 600 PAND	2 ¹ /4" 3" 3 ³ /4" 4 ¹ /2" 5 ¹ /4" 6" 9 ¹ /2" 10 ³ /4' 1-0" 1-6 ¹ /2 2-0" TIE BEAM BEAM NOI SNAIL BEAM	HOOKS	J 3" 4" 5" 6" 7" 8" 11 ³ / ₄ " 1-1 ¹ / ₄ " 1-2 ³ / ₄ " 1-9 ³ / ₄ " 1-35°	HOOI A OR 6" 8" 10' 1-0 1-2 1-4 1-7 1-10 2-0 2-7 3-5	(S G D 1 1/2" 2" 2 1/2" 21/2" 4 1/2" 31/4" 1 51/4" 0" 6" " 6" 0" 0" 1 1/2" 1 9.1/2" 1 9.1/2" 1 9.1/2" 1 9.1/2" 1 9.1/2" 1 9.1/2" 1 9.1/2" 1 8.0°	HOOK A OR G 4" 4 ¹ /2" 6" 1-0" 1-2" 1-4" 1-4" 1-4" 1-4" 1-4"	A OR 4" 4 ¹ /2" 5 ¹ /2" 8" 9" 10 ¹ /2' AND HOOK A OR HOOK A OR HOOK	HOOK G A OR 21/2" 3" 33/4" 41/2" 51/4" 6" 90° EN	2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 11. DE DE DE DE C C	STANDARD E ALL DIMENS HOOKS. "J" DIMENS RESTRICT F WHERE "J" ON TYPES 3 "H" DIMENS CONCRETE. UNLESS OTH HOOKS ON A WHERE SLOP WHERE BARS TOLERANCES HAVE LIMIT FOR RECOMM ABOVE, 'CF TYPE S1-SE THROUGH #8	BAR BENDS SIONS OUT SIONS ON HOOK SIZE IS NOT S 3, 5 AND SIONS OF HERWISE N A BAR (E) PE DIFFEF S ARE TO S, BENDIN FS INDICA MENDED D RSI' OR ' 5, S11, T 3.	S INCLUDE ONLY TH T-TO-OUT, EXCEPT 180° HOOKS TO BH , OTHERWISE STAN SHOWN, "J" WILL H D 22. WHERE "J" STIRRUPS TO BE SHOWN NOTED, DIAMETER KCEPT FOR BEND TH RS EROM 45° OFFSH BE BENT MORE ACH NG DIMENSIONS REH ATED. IAMETER "D", OF H ATED. IAMETER "D", OF H ATED. IAMETER "D", OF H STITUTE AND TO TO TO TO ACH TABLES WHEN TI-T3 AND TO TO TO ENLARGED VIEW SE BAR BENDING DE
Image: Second state of the second s	Value 0. 110 0. 200 0. 310 0. 440 0. 600 0. 790 1. 000 1. 270 1. 560 2. 250 4. 000 STIRRU 7,8 ,5 A OR G - d 90°	LSign 0. 376 0. 668 1. 043 1. 502 2. 044 2. 670 3. 400 4. 303 5. 313 7. 650 13. 600 PAND	2 ¹ /4" 3" 3 ³ /4" 4 ¹ /2" 5 ¹ /4" 6" 9 ¹ /2" 10 ³ /4' 1-0" 1-6 ¹ /2 2-0" TIE BEAM BEAM NOI SNAIL BEAM	HOC A OR G 5" 6" 7" 8" 10" 11" 1-3" 1-5" 1-7" 4" 2-3" 7 3-0" HOOKS	J 3" 4" 5" 6" 7" 8" 11 ³ / ₄ " 1-1 ¹ / ₄ " 1-2 ³ / ₄ " 1-9 ³ / ₄ " 1-35°	HOOI A OR 6" 8" 10' 1-0 1-2 1-4 1-7 1-10 2-0 2-7 3-5	(S G D 1 1/2" 2" 2 1/2" 21/2" 4 1/2" 31/4" 1 51/4" 0" 6" " 6" 0" 0" 1 1/2" 1 9.1/2" 1 9.1/2" 1 9.1/2" 1 9.1/2" 1 9.1/2" 1 9.1/2" 1 9.1/2" 1 8.0°	HOOK A OR G 4" 4 ¹ /2" 6" 1-0" 1-2" 1-4" 1-4" 1-4" 1-4" 1-4"	A OR 4" 4 ¹ /2" 5 ¹ /2" 8" 9" 10 ¹ /2' AND HOOK A OR HOOK A OR HOOK	HOOK G A OR 21/2" 3" 33/4" 41/2" 51/4" 6" 90° EN	2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 11. DE DE DE DE C C	STANDARD E ALL DIMENS HOOKS. "J" DIMENS RESTRICT F WHERE "J" ON TYPES 3 "H" DIMENS CONCRETE. UNLESS OTH HOOKS ON A WHERE SLOP WHERE BARS TOLERANCES HAVE LIMIT FOR RECOMM ABOVE, 'CF TYPE S1-SE THROUGH #8	BAR BENDS SIONS OUT SIONS ON HOOK SIZE IS NOT S 3, 5 AND SIONS OF HERWISE N A BAR (E) PE DIFFEF S ARE TO S, BENDIN FS INDICA MENDED D RSI' OR ' 5, S11, T 3.	S INCLUDE ONLY TH T-TO-OUT, EXCEPT 180° HOOKS TO BH , OTHERWISE STAN SHOWN, "J" WILL H D 22. WHERE "J" STIRRUPS TO BE SHOWN NOTED, DIAMETER KCEPT FOR BEND T RS EROM 45° OFFSH BE BENT MORE ACC NG DIMENSIONS REC ATED. IAMETER "D", OF H ACI' TABLES WHEN T1-T3 AND T6-T9 A ENLARGED VIEW SE BAR BENDING DE

653-000\contract 1d\cadd\SW13-U301_1D.

		SP	ECIFICAT	IONS				RFI		IMENSION	S (FFFT_II	NCHES /QU/	ARTER IN(<u>`H</u>)			٦		SPEC	
		SIZE	LENGTH	MARK	TYPE	Α	В	C	D	E	F / R	G	H	J	К	0	1	QTY.	SIZE LEN	
	2	5	0-102 5-11	WL520E WL521E	17		0-60	0-42 3-92	 								-			
	1	5	4-51	WL522E	17		0-113	3-52												
	1	5 5	2-73 1-113		17			0-100									_			
	2	5	5-40 4-80		17			3-92									_			
	1	5	4-80 5-71	WL527E	17			3-92	1-93								_			
	1	5 5	4-111 5-00	WL528E	17 STR		5-00	3-52	1								_			
	6	5	4-40	SL530E	STR		4-40										_			 !
	4		6-60 5-100				6-60 5-100	 									-			 '
	2		3-102		STR		3-102	 	 											
	2 2		3-62 2-32				2-32	 	 								_			
	2	5	1-112				1-112										_			
	1	5	1-31	SL537E			1-31										_			i
	2	5	3-21 2-101	SL539E SL540E	STR STR		3-21										_			
	2	5	4-50	SL541E	STR		4-50		i				1							
																	-			
													1				_			
								 	+								_			
			 					1												
			 						 								_			
			 						 				 				-			
			I																	
																			STA	NC
						INDIC	ATED AS S	SUCH.	1)			2)		3			4			(5
									A↓	G			al	B		↓ F	B		F P	
)°	HOOKS	TO B	E SHOW	N ONLY	WHER	E NECE	SSARY TO			В	^ ر		6			₽ с	A] —>	K		
									10)	B	(1			(12)	0			× - K		(14
2.	WHERE	"J"	C <mark>AN</mark> E	XCEED "	H″ <mark>,</mark>	IT SHA	LL BE SHO	JWN.		R	ے ا لا				C			RH		
RR	UPS TO) BE	SHOWN	AS NEED	ED TO) FIT	WITHIN T	ΗE	c		D			B			C			
						OR ALL	BENDS AI		20)		6	2		23			(24)			6
RO	M 45°	0FFS	et, "H	" AND "	K″MI			ľ				0			0					
									В	C		A H C D	EK	G A H	<u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u>	KG		В	\sum	
).					N 225 7/2 0-10 2-20 N 225 7/2 0-10 N-10 N 225 7/2 0-10 N-10 N 225 7/2 0-40 0-40 N 225 7/2															
									э <i>2)</i> н‡				с С	34	Å	G	(55)	Å	G	
-3	AND TE	6-T9	APPLIC	ABLE TO	BAR	SIZES	#3		[↑] E	B D		[₹] B	D		B C	D		B C	D	
								H								_				
				ļ					T3) (G	U	6) 	Ē			-	(81)		-	(TS
	◄	E	3	—►		C			(вС	D			Н	В	ç √	н	
J				(D					C =	CIRCUM.						<u>4</u>		<u> </u>	_	
			,	·			D A	H												
			SHOWIN		К		<u>∠_∕</u>							\otimes	H H		J = TU	RNS AT 'F		H
r e	BENDIN	NG DE	ETAILS			→		►							$\Lambda \Lambda \Lambda \Lambda /$	\mathbb{N}^{2}	о то	P & BOTT	OM)	
								Γ												
S								L						_						
												l					N RI	D		T:
														INTE	RSEC	TON				NE
						1					- I								1	-

RECIFICATIONS									
	YPE A		NDING DIN D	E F / I		UARTER INCH) H	J K	0	
PECIFICATIONS LENGTH MARK T 1 1 1 1 1 1 1 1 1 1 1 <td< th=""><th>YPE /</th><th></th><th></th><th>RENSIONS (FEET E F / I I I <</th><th></th><th></th><th></th><th>O I I I I</th></td<>	YPE /			RENSIONS (FEET E F / I I I <				O I I I I	
STANDARD BAR	BEND								
						B G	9 R B R O	H	
			(17) В	с D		B C		K	
25 CLFE KB ISOMETRIC V	/IEW	26 B E ISOMETRIC VIEW			32 A B K	K R H			
C	D			D B H DTAL LENGTH	(T) c	B G AE D		C A E	
Т9 А <u>В</u>	G								
	SP	PECIAL BAR BEND	S						
							г	SW-13	
CONTRACT	BRIDG	F NO					<u> </u>	SHEET NO.	
T201011302 COUNTY	DESIGN	IED BY: K.M.K.		WIER &RISER	WALL STRU BAR	NO. 96B8 CTURE N CHART	k96C,	95 OTAL SHTS.	
NEW CASTLE	CHECKE	ED BY: J.A.G.						179	