NOTES:

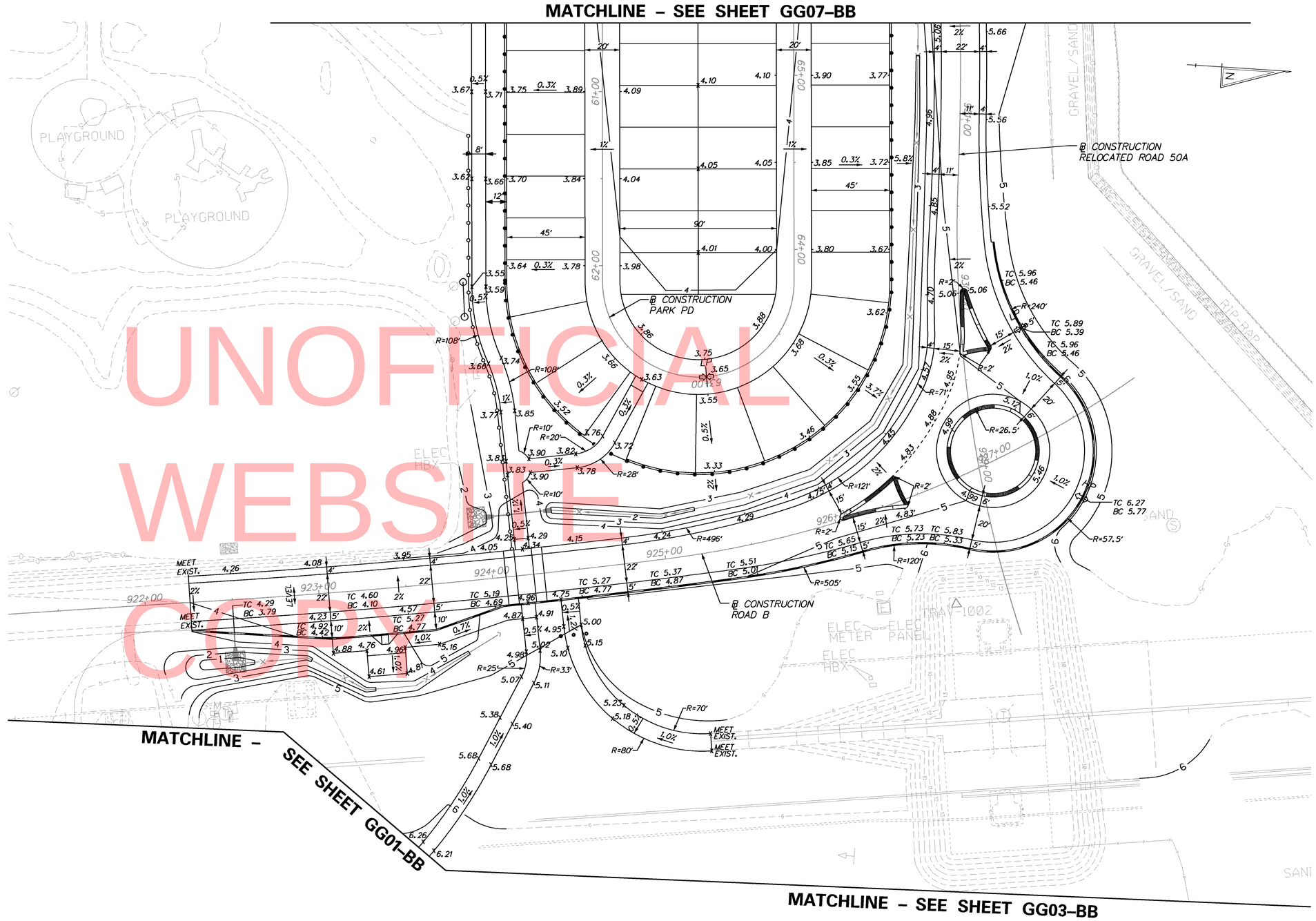
1. UNLESS OTHERWISE NOTED, POINT GEOMETRY IS GIVEN TO EDGE OF PAVEMENT.

2. UNLESS OTHERWISE NOTED, RADII ARE GIVEN TO EDGE OF PAVEMENT.

3. ALL PROPOSED CONTOURS ALL SHOWN AT 1' INTERVALS.

4. PROPOSED CURB OR PAVEMENT THAT TIES INTO EXISTING PAVEMENT OR EXISTING CURB SHALL MATCH THE EXISTING PAVEMENT OR CURB ELEVATIONS. POSITIVE DRAINAGE SHALL BE MAINTAINED.

5. EXISTING CONTOURS SHOWN AROUND AND UNDER BRIDGE ARE FROM DELDOT CONTRACTS 26-073-01 AND 29-073-01



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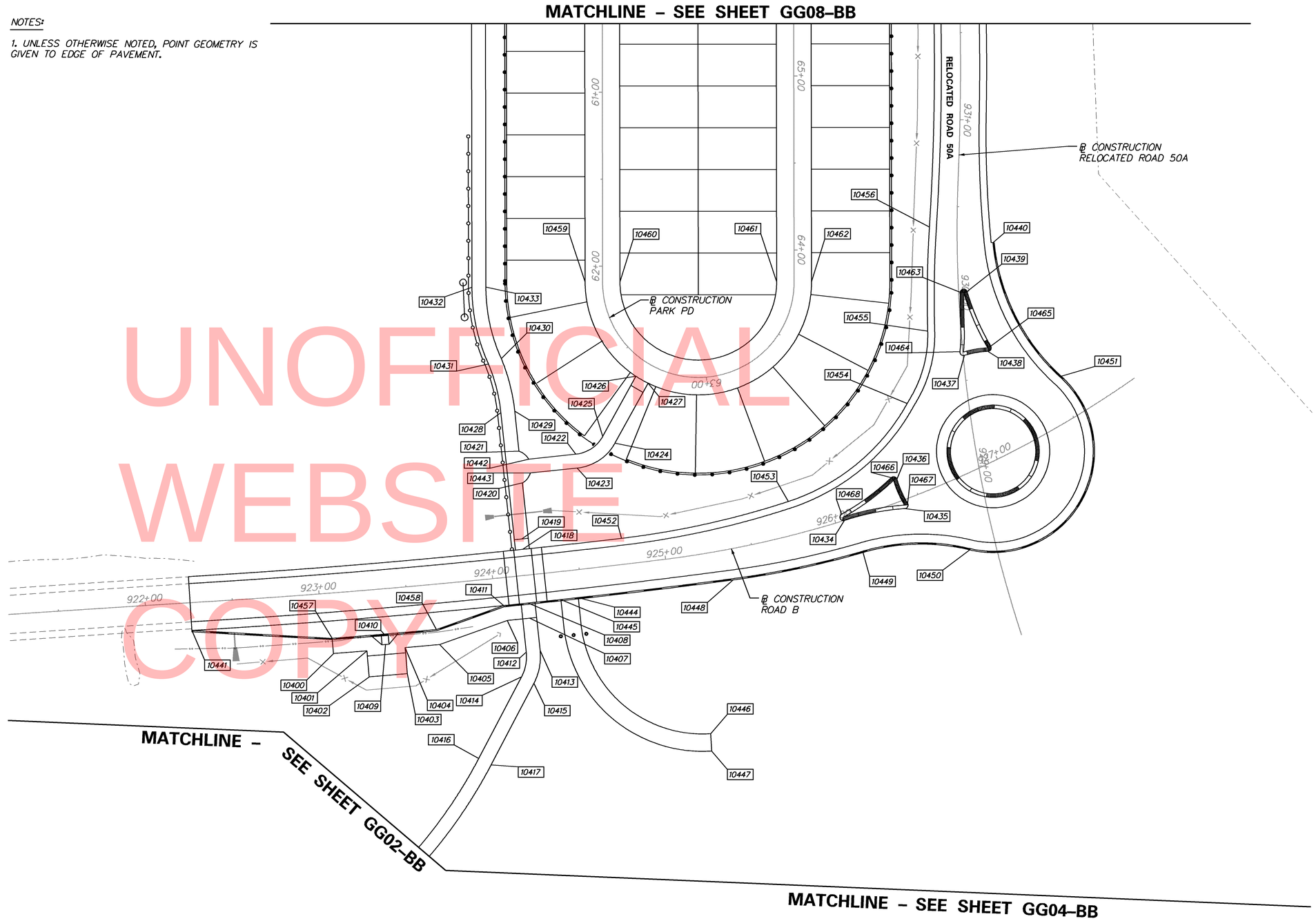
DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	INDIAN RIVER INLET PARK ENHANCEMENTS	CONTRACT T200507303	BRIDGE NO. X	GRADES AND GEOMETRICS GRADING PLAN (BASE BID)	GG05-BB
				COUNTY SUSSEX	DESIGNED BY: RK&K		SHEET NO. 48
					CHECKED BY: RK&K		TOTAL SHTS. 282

COORDINATE LIST

POINT NO.	NORTHING	EASTING	ELEVATION
10400	220790.27	757084.77	4.88
10401	220809.39	757082.01	4.76
10402	220811.61	757096.85	4.61
10403	220833.37	757093.60	4.81
10404	220831.15	757078.76	4.96
10405	220850.82	757075.72	5.16
10406	220888.67	757059.47	4.92
10407	220901.47	757057.31	4.89
10408	220900.00	757048.69	4.96
10409	220819.87	757077.68	4.86
10410	220818.73	757071.78	4.67
10411	220886.19	757051.01	4.73
10412	220900.75	757076.86	4.98
10413	220908.64	757075.52	5.02
10414	220898.95	757091.25	5.07
10415	220906.25	757094.50	5.11
10416	220877.38	757139.66	5.68
10417	220884.69	757142.91	5.68
10418	220894.77	757018.13	4.34
10419	220893.76	757012.22	4.21
10420	220892.32	756980.00	3.87
10421	220889.23	756961.93	3.87
10422	220921.90	756961.59	3.82
10423	220923.25	756969.48	3.78
10424	220943.84	756953.85	3.75
10425	220936.61	756950.43	3.76
10426	220953.53	756914.65	3.63
10427	220960.71	756918.19	3.62
10428	220877.45	756940.47	3.77
10429	220885.33	756939.12	3.85
10430	220875.68	756909.42	3.74
10431	220868.55	756913.06	3.66
10432	220856.26	756869.61	3.55
10433	220864.25	756869.09	3.59
10434	221078.28	756989.74	4.76
10435	221112.46	756980.73	4.83
10436	221106.85	756964.12	4.81
10437	221140.98	756890.63	4.98
10438	221154.32	756887.49	4.99
10439	221140.16	756853.91	5.06
10440	221153.19	756824.98	5.51
10441	220708.33	757076.74	4.32
10442	220895.19	756966.15	3.90
10443	220896.54	756974.04	3.90
10444	220928.58	757043.81	4.76
10445	220918.72	757045.49	4.75
10446	221009.38	757116.93	MEET EXIST.
10447	221010.68	757126.85	MEET EXIST.
10448	221016.53	757027.96	4.97
10449	221090.13	757007.42	5.17
10450	221151.03	757002.01	5.40
10451	221197.27	756899.08	5.51
10452	220951.16	757008.15	4.20
10453	221045.46	756980.92	4.31
10454	221109.88	756920.40	4.51
10455	221119.07	756878.11	4.64
10456	221116.23	756818.39	4.82
10457	220789.04	757076.11	4.16
10458	220848.38	757067.25	4.60
10459	220920.93	756862.44	3.72
10460	220940.89	756861.15	3.92
10461	221030.70	756855.30	3.93
10462	221050.66	756854.00	3.73
10463	221136.29	756854.72	5.06
10464	221138.29	756888.72	4.97
10465	221155.74	756884.38	4.99
10466	221103.49	756963.45	4.81
10467	221113.84	756977.60	4.83
10468	221076.45	756986.21	4.76

NOTES:

1. UNLESS OTHERWISE NOTED, POINT GEOMETRY IS GIVEN TO EDGE OF PAVEMENT.



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DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

INDIAN RIVER INLET PARK ENHANCEMENTS

CONTRACT	BRIDGE NO.	X
T200507303	DESIGNED BY: RK&K	
COUNTY		
SUSSEX	CHECKED BY: RK&K	

GRADES AND GEOMETRICS STAKEOUT PLAN (BASE BID)

GG06-BB

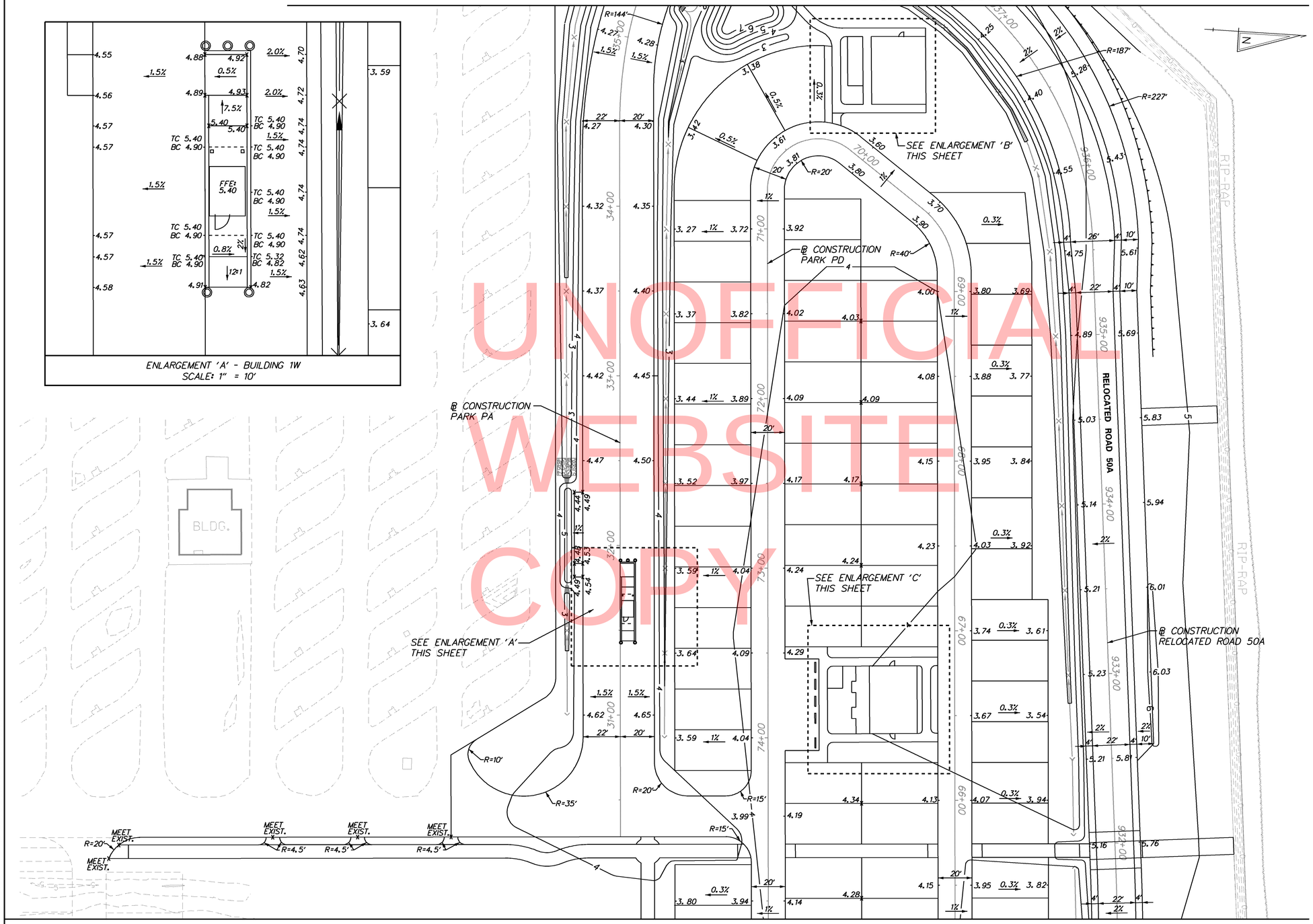
SHEET NO. 49

TOTAL SHTS. 282

11/16/2012 10:34:49 AM
\\RKKM\V2009\2009\09020_IRP\CADD\CONTRACTNUMBER\PLANS\CP_GG03_BB_IRP.DGN

MATCHLINE – SEE SHEET GG09–BB

ENLARGEMENT 'A' - BUILDING 1W
SCALE: 1" = 10'



UNOFFICIAL WEBSITE COPY

NOTES:

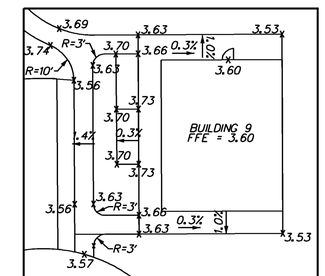
1. UNLESS OTHERWISE NOTED, POINT GEOMETRY IS GIVEN TO EDGE OF PAVEMENT.

2. UNLESS OTHERWISE NOTED, RADII ARE GIVEN TO EDGE OF PAVEMENT.

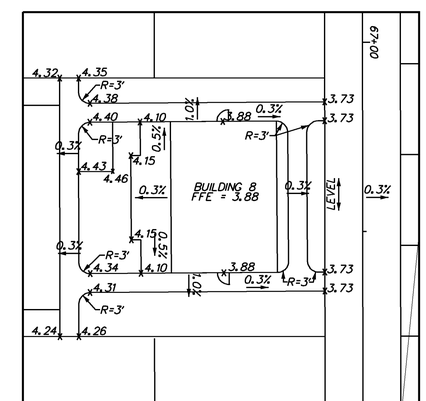
3. ALL PROPOSED CONTOURS ALL SHOWN AT 1' INTERVALS.

4. PROPOSED CURB OR PAVEMENT THAT TIES INTO EXISTING PAVEMENT OR EXISTING CURB SHALL MATCH THE EXISTING PAVEMENT OR CURB ELEVATIONS. POSITIVE DRAINAGE SHALL BE MAINTAINED.

5. EXISTING CONTOURS SHOWN AROUND AND UNDER BRIDGE ARE FROM DELDOT CONTRACTS 26-073-01 AND 29-073-01



ENLARGEMENT 'B' - BUILDING 9
SCALE: 1" = 20'



ENLARGEMENT 'C' - BUILDING 8
SCALE: 1" = 20'

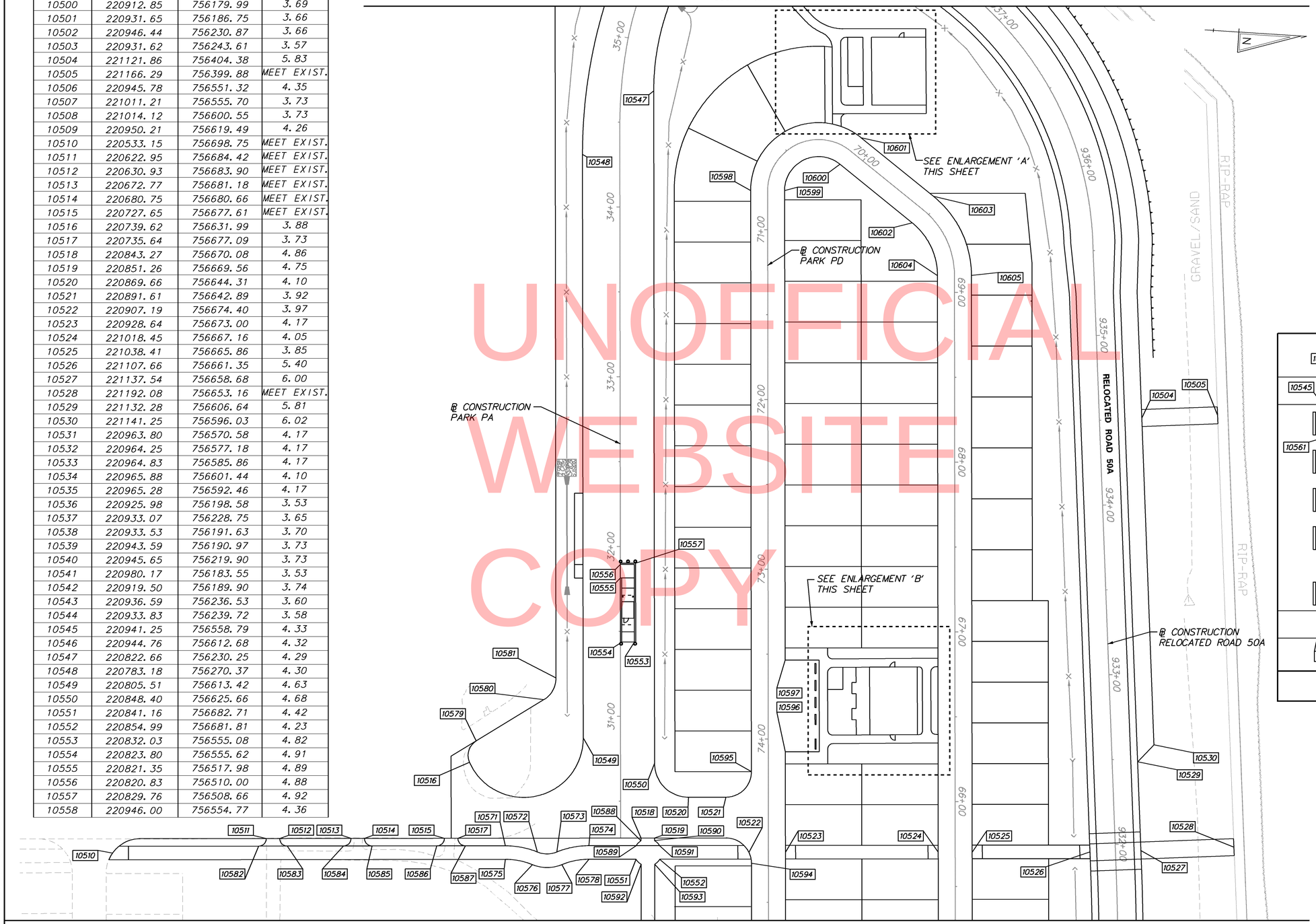
MATCHLINE – SEE SHEET GG05–BB

11/15/2012 10:50:53 AM
\\RKKMV\2009\09020.IRP\CADD\CONTRACTNUMBER\PLANS\CP_GG04_BB_IRP.DGN

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	INDIAN RIVER INLET PARK ENHANCEMENTS	CONTRACT T200507303	BRIDGE NO. X	GRADES AND GEOMETRICS GRADING PLAN (BASE BID)	GG07-BB SHEET NO. 50
				COUNTY SUSSEX	DESIGNED BY: RK&K		TOTAL SHTS. 282
					CHECKED BY: RK&K		

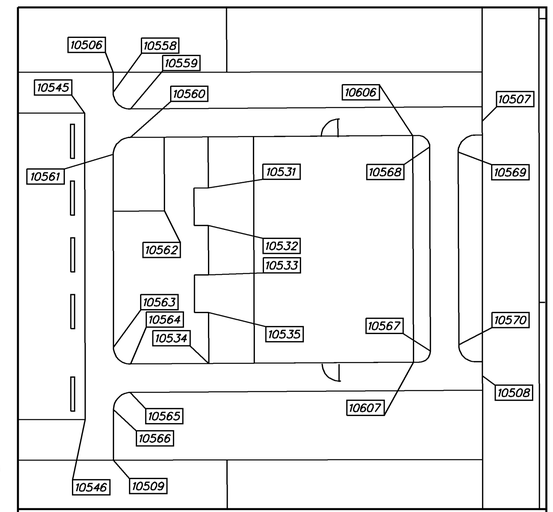
COORDINATE LIST			
POINT NO.	NORTHING	EASTING	ELEVATION
10500	220912.85	756179.99	3.69
10501	220931.65	756186.75	3.66
10502	220946.44	756230.87	3.66
10503	220931.62	756243.61	3.57
10504	221121.86	756404.38	5.83
10505	221166.29	756399.88	MEET EXIST.
10506	220945.78	756551.32	4.35
10507	221011.21	756555.70	3.73
10508	221014.12	756600.55	3.73
10509	220950.21	756619.49	4.26
10510	220533.15	756698.75	MEET EXIST.
10511	220622.95	756684.42	MEET EXIST.
10512	220630.93	756683.90	MEET EXIST.
10513	220672.77	756681.18	MEET EXIST.
10514	220680.75	756680.66	MEET EXIST.
10515	220727.65	756677.61	MEET EXIST.
10516	220739.62	756631.99	3.88
10517	220735.64	756677.09	3.73
10518	220843.27	756670.08	4.86
10519	220851.26	756669.56	4.75
10520	220869.66	756644.31	4.10
10521	220891.61	756642.89	3.92
10522	220907.19	756674.40	3.97
10523	220928.64	756673.00	4.17
10524	221018.45	756667.16	4.05
10525	221038.41	756665.86	3.85
10526	221107.66	756661.35	5.40
10527	221137.54	756658.68	6.00
10528	221192.08	756653.16	MEET EXIST.
10529	221132.28	756606.64	5.81
10530	221141.25	756596.03	6.02
10531	220963.80	756570.58	4.17
10532	220964.25	756577.18	4.17
10533	220964.83	756585.86	4.17
10534	220965.88	756601.44	4.10
10535	220965.28	756592.46	4.17
10536	220925.98	756198.58	3.53
10537	220933.07	756228.75	3.65
10538	220933.53	756191.63	3.70
10539	220943.59	756190.97	3.73
10540	220945.65	756219.90	3.73
10541	220980.17	756183.55	3.53
10542	220919.50	756189.90	3.74
10543	220936.59	756236.53	3.60
10544	220933.83	756239.72	3.58
10545	220941.25	756558.79	4.33
10546	220944.76	756612.68	4.32
10547	220822.66	756230.25	4.29
10548	220783.18	756270.37	4.30
10549	220805.51	756613.42	4.63
10550	220848.40	756625.66	4.68
10551	220841.16	756682.71	4.42
10552	220854.99	756681.81	4.23
10553	220832.03	756555.08	4.82
10554	220823.80	756555.62	4.91
10555	220821.35	756517.98	4.89
10556	220820.83	756510.00	4.88
10557	220829.76	756508.66	4.92
10558	220946.00	756554.77	4.36

MATCHLINE – SEE SHEET GG10–BB

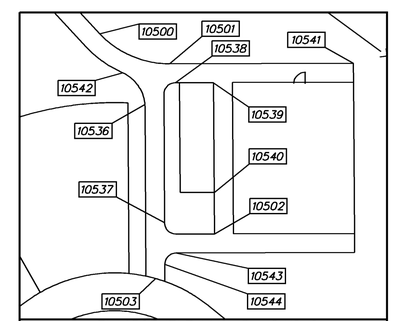


MATCHLINE – SEE SHEET GG06–BB

COORDINATE LIST			
POINT NO.	NORTHING	EASTING	ELEVATION
10559	220949.21	756557.57	4.38
10560	220949.50	756562.56	4.40
10561	220946.72	756565.75	4.41
10562	220956.34	756575.11	4.46
10563	220948.92	756599.61	4.43
10564	220952.12	756602.41	4.34
10565	220952.42	756607.40	4.31
10566	220949.63	756610.59	4.29
10567	221004.68	756596.71	3.76
10568	221002.26	756560.85	3.76
10569	221007.32	756561.48	3.74
10570	221009.60	756595.34	3.74
10571	220763.79	756679.73	3.85
10572	220782.91	756682.21	3.93
10573	220794.24	756681.47	3.99
10574	220812.88	756676.53	4.10
10575	220764.31	756687.71	3.83
10576	220780.37	756689.80	3.91
10577	220797.75	756688.66	3.97
10578	220813.40	756684.51	4.08



ENLARGEMENT 'B' - BUILDING 8
SCALE: 1" = 20'



ENLARGEMENT 'A' - BUILDING 9
SCALE: 1" = 20'

NOTES:

1. UNLESS OTHERWISE NOTED, POINT GEOMETRY IS GIVEN TO EDGE OF PAVEMENT.

2. SEE SHEET GG17-BB FOR CONTINUATION OF COORDINATE LIST FOR POINTS 10092-10122.

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DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

INDIAN RIVER INLET PARK ENHANCEMENTS

CONTRACT	BRIDGE NO.	X
T200507303	DESIGNED BY: RK&K	
COUNTY		
SUSSEX	CHECKED BY: RK&K	

GRADES AND GEOMETRICS STAKEOUT PLAN (BASE BID)

GG08-BB
SHEET NO. 51
TOTAL SHTS. 282

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NOTES:

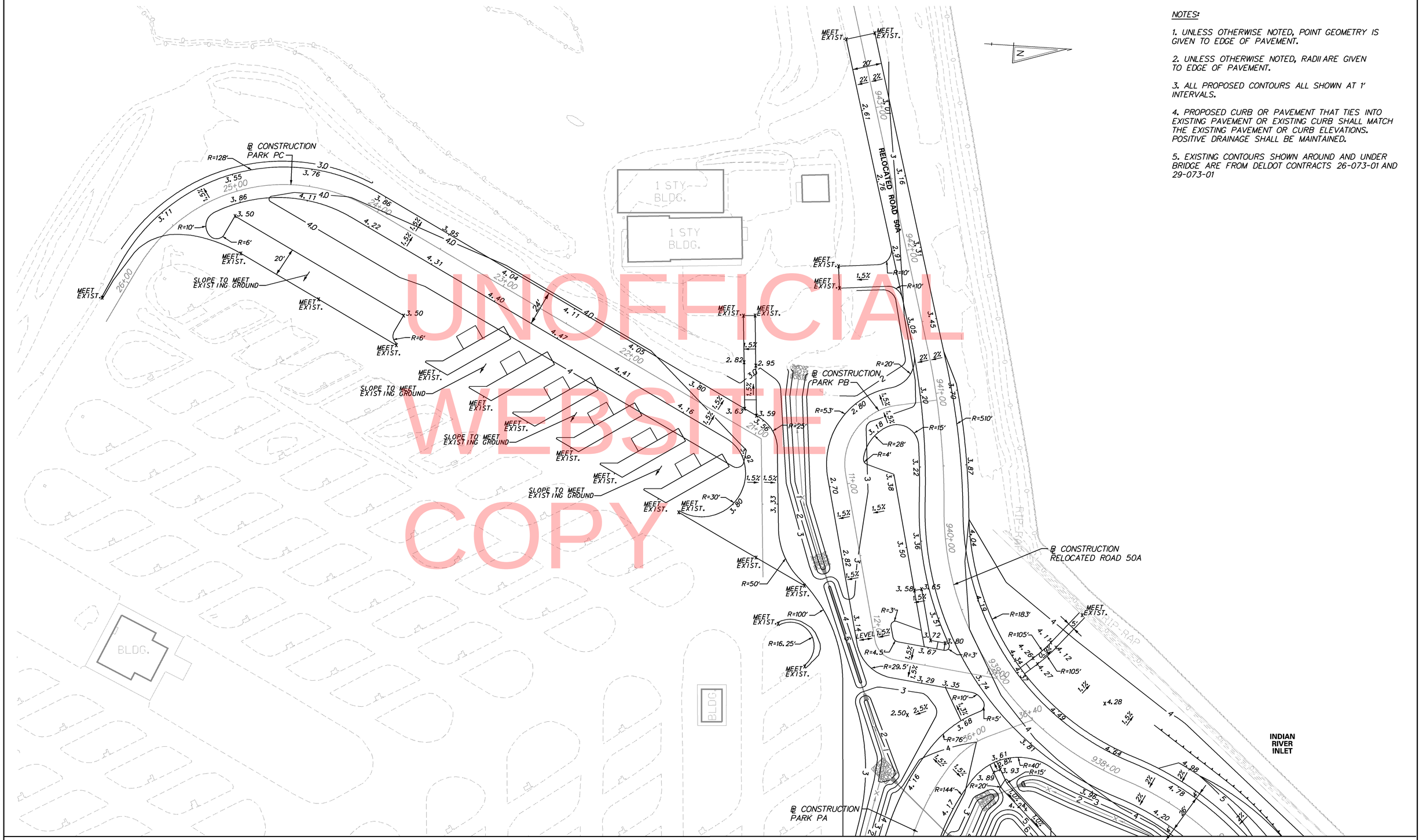
1. UNLESS OTHERWISE NOTED, POINT GEOMETRY IS GIVEN TO EDGE OF PAVEMENT.

2. UNLESS OTHERWISE NOTED, RADII ARE GIVEN TO EDGE OF PAVEMENT.

3. ALL PROPOSED CONTOURS ALL SHOWN AT 1' INTERVALS.

4. PROPOSED CURB OR PAVEMENT THAT TIES INTO EXISTING PAVEMENT OR EXISTING CURB SHALL MATCH THE EXISTING PAVEMENT OR CURB ELEVATIONS. POSITIVE DRAINAGE SHALL BE MAINTAINED.

5. EXISTING CONTOURS SHOWN AROUND AND UNDER BRIDGE ARE FROM DELDOT CONTRACTS 26-073-01 AND 29-073-01



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MATCHLINE – SEE SHEET GG07–BB

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	INDIAN RIVER INLET PARK ENHANCEMENTS	CONTRACT T200507303	BRIDGE NO. X	GRADES AND GEOMETRICS GRADING PLAN (BASE BID)	GG09-BB
				COUNTY SUSSEX	DESIGNED BY: RK&K		SHEET NO. 52
					CHECKED BY: RK&K		TOTAL SHTS. 282

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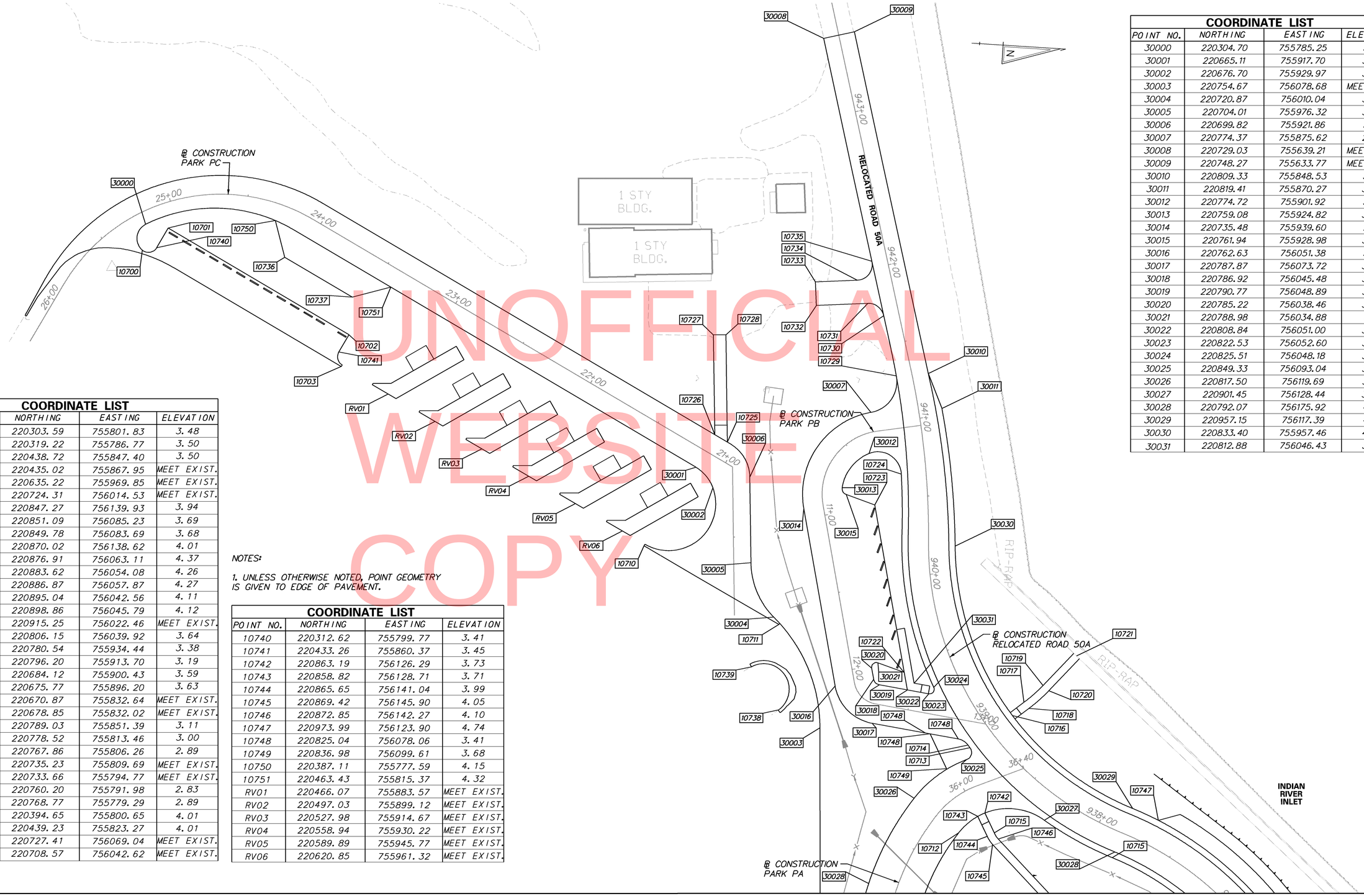

UNOFFICIAL WEBSITE COPY

COORDINATE LIST

POINT NO.	NORTHING	EASTING	ELEVATION
10700	220303.59	755801.83	3.48
10701	220319.22	755786.77	3.50
10702	220438.72	755847.40	3.50
10703	220435.02	755867.95	MEET EXIST.
10710	220635.22	755969.85	MEET EXIST.
10711	220724.31	756014.53	MEET EXIST.
10712	220847.27	756139.93	3.94
10713	220851.09	756085.23	3.69
10714	220849.78	756083.69	3.68
10715	220870.02	756138.62	4.01
10716	220876.91	756063.11	4.37
10717	220883.62	756054.08	4.26
10718	220886.87	756057.87	4.27
10719	220895.04	756042.56	4.11
10720	220898.86	756045.79	4.12
10721	220915.25	756022.46	MEET EXIST.
10722	220806.15	756039.92	3.64
10723	220780.54	755934.44	3.38
10724	220796.20	755913.70	3.19
10725	220684.12	755900.43	3.59
10726	220675.77	755896.20	3.63
10727	220670.87	755832.64	MEET EXIST.
10728	220678.85	755832.02	MEET EXIST.
10729	220789.03	755851.39	3.11
10730	220778.52	755813.46	3.00
10731	220767.86	755806.26	2.89
10732	220735.23	755809.69	MEET EXIST.
10733	220733.66	755794.77	MEET EXIST.
10734	220760.20	755791.98	2.83
10735	220768.77	755779.29	2.89
10736	220394.65	755800.65	4.01
10737	220439.23	755823.27	4.01
10738	220727.41	756069.04	MEET EXIST.
10739	220708.57	756042.62	MEET EXIST.

NOTES:

1. UNLESS OTHERWISE NOTED, POINT GEOMETRY IS GIVEN TO EDGE OF PAVEMENT.

COORDINATE LIST

POINT NO.	NORTHING	EASTING	ELEVATION
10740	220312.62	755799.77	3.41
10741	220433.26	755860.37	3.45
10742	220863.19	756126.29	3.73
10743	220858.82	756128.71	3.71
10744	220865.65	756141.04	3.99
10745	220869.42	756145.90	4.05
10746	220872.85	756142.27	4.10
10747	220973.99	756123.90	4.74
10748	220825.04	756078.06	3.41
10749	220836.98	756099.61	3.68
10750	220387.11	755777.59	4.15
10751	220463.43	755815.37	4.32
RV01	220466.07	755883.57	MEET EXIST.
RV02	220497.03	755899.12	MEET EXIST.
RV03	220527.98	755914.67	MEET EXIST.
RV04	220558.94	755930.22	MEET EXIST.
RV05	220589.89	755945.77	MEET EXIST.
RV06	220620.85	755961.32	MEET EXIST.

COORDINATE LIST

POINT NO.	NORTHING	EASTING	ELEVATION
30000	220304.70	755785.25	3.71
30001	220665.11	755917.70	3.99
30002	220676.70	755929.97	3.92
30003	220754.67	756078.68	MEET EXIST.
30004	220720.87	756010.04	3.40
30005	220704.01	755976.32	3.39
30006	220699.82	755921.86	3.61
30007	220774.37	755875.62	2.85
30008	220729.03	755639.21	MEET EXIST.
30009	220748.27	755633.77	MEET EXIST.
30010	220809.33	755848.53	3.51
30011	220819.41	755870.27	3.68
30012	220774.72	755901.92	3.18
30013	220759.08	755924.82	3.03
30014	220735.48	755939.60	2.71
30015	220761.94	755928.98	3.00
30016	220762.63	756051.38	3.16
30017	220787.87	756073.72	3.07
30018	220786.92	756045.48	3.35
30019	220790.77	756048.89	3.45
30020	220785.22	756038.46	3.33
30021	220788.98	756034.88	3.4
30022	220808.84	756051.00	3.55
30023	220822.53	756052.60	3.65
30024	220825.51	756048.18	3.65
30025	220849.33	756093.04	3.65
30026	220817.50	756119.69	3.94
30027	220901.45	756128.44	3.87
30028	220792.07	756175.92	4.13
30029	220957.15	756117.39	4.13
30030	220833.40	755957.46	4.73
30031	220812.88	756046.43	3.98

MATCHLINE – SEE SHEET GG08–BB

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DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

INDIAN RIVER INLET PARK ENHANCEMENTS

CONTRACT	BRIDGE NO.	X
T200507303	DESIGNED BY: RK&K	
COUNTY		
SUSSEX	CHECKED BY: RK&K	

GRADES AND GEOMETRICS STAKEOUT PLAN (BASE BID)

GG10-BB

SHEET NO. 53

TOTAL SHTS. 282

MATCHLINE – SEE SHEET GG13–BB

NOTES:

1. UNLESS OTHERWISE NOTED, POINT GEOMETRY IS GIVEN TO EDGE OF PAVEMENT.

2. UNLESS OTHERWISE NOTED, RADII ARE GIVEN TO EDGE OF PAVEMENT.

3. ALL PROPOSED CONTOURS ALL SHOWN AT 1' INTERVALS.

4. PROPOSED CURB OR PAVEMENT THAT TIES INTO EXISTING PAVEMENT OR EXISTING CURB SHALL MATCH THE EXISTING PAVEMENT OR CURB ELEVATIONS. POSITIVE DRAINAGE SHALL BE MAINTAINED.

5. EXISTING CONTOURS SHOWN AROUND AND UNDER BRIDGE ARE FROM DELDOT CONTRACTS 26-073-01 AND 29-073-01

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ENLARGEMENT 'A' - BUILDING 2 - ADMINISTRATION CONTACT STATION
SCALE: 1" = 10'

TYPICAL NORTH RV LOT SIDEWALK DETAIL

826

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DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	INDIAN RIVER INLET PARK ENHANCEMENTS	CONTRACT T200507303 / COUNTY SUSSEX	BRIDGE NO. X / DESIGNED BY: RK&K / CHECKED BY: RK&K	GRADES AND GEOMETRICS GRADING PLAN (BASE BID)	GG11_BB / SHEET NO. 54 / TOTAL SHTS. 282

COORDINATE LIST

POINT NO.	NORTHING	EASTING	ELEVATION
20000	222073.28	756534.49	10.10
20001	222075.53	756557.31	10.12
20002	222073.68	756557.92	10.03
20003	222072.81	756556.47	9.98
20004	222065.96	756560.60	9.86
20005	222068.73	756568.96	10.03
20006	222074.98	756581.36	10.11
20007	222075.48	756586.33	10.11
20008	222071.77	756599.63	10.03
20009	222070.67	756608.40	9.86
20010	222078.20	756611.12	9.98
20011	222078.79	756609.49	10.03
20012	222080.72	756609.73	10.12
20013	222089.28	756645.47	10.02
20014	222091.97	756642.19	* 9.96
20017	222083.61	756580.51	9.57
20018	222084.10	756585.48	9.57
20019	222096.06	756764.79	9.70
20020	222087.67	756621.54	9.53

COORDINATE LIST

POINT NO.	NORTHING	EASTING	ELEVATION
20021	222084.31	756645.96	10.12
20022	222133.81	756704.63	9.07
20023	222099.09	756744.61	9.74
20024	222094.12	756745.10	9.84
20025	222098.65	756790.95	9.70
20026	222094.17	756796.42	9.80
20027	222061.18	756799.68	9.75
20028	222061.97	756807.64	9.83
20029	222095.14	756804.36	9.80
20030	222097.44	756827.58	9.80
20031	222064.29	756831.11	9.80
20032	222073.71	756838.22	9.88
20033	222089.63	756836.64	9.88
20034	222098.07	756835.81	9.80
20035	222103.53	756840.29	9.70
20036	222109.23	756839.40	9.10
20037	222107.84	756883.76	10.58
20038	222028.19	756840.10	8.11
20039	222032.74	756833.52	8.21

*TOP OF CURB

COORDINATE LIST

POINT NO.	NORTHING	EASTING	ELEVATION
20040	222034.74	756834.03	8.30
20041	222035.53	756841.99	8.20
20042	222158.33	756888.81	9.15
20043	222195.15	756885.17	8.44
20044	222194.16	756875.21	8.54
20045	222687.22	756859.59	MEET EXIST.
20046	222699.16	756858.41	MEET EXIST.
20047	222787.56	756770.64	6.20
20048	222778.78	756765.84	6.28
20049	222426.73	756666.38	8.15
20050	222426.34	756662.40	8.15
20051	222102.37	756747.30	* 9.67
20055	222370.98	756597.56	8.33
20056	222363.02	756598.38	8.35
20057	221967.81	756788.70	4.80
20058	221963.26	756795.29	4.77
20059	222113.56	756883.19	9.98
20060	222108.82	756893.71	10.68
20061	222114.54	756893.14	9.98

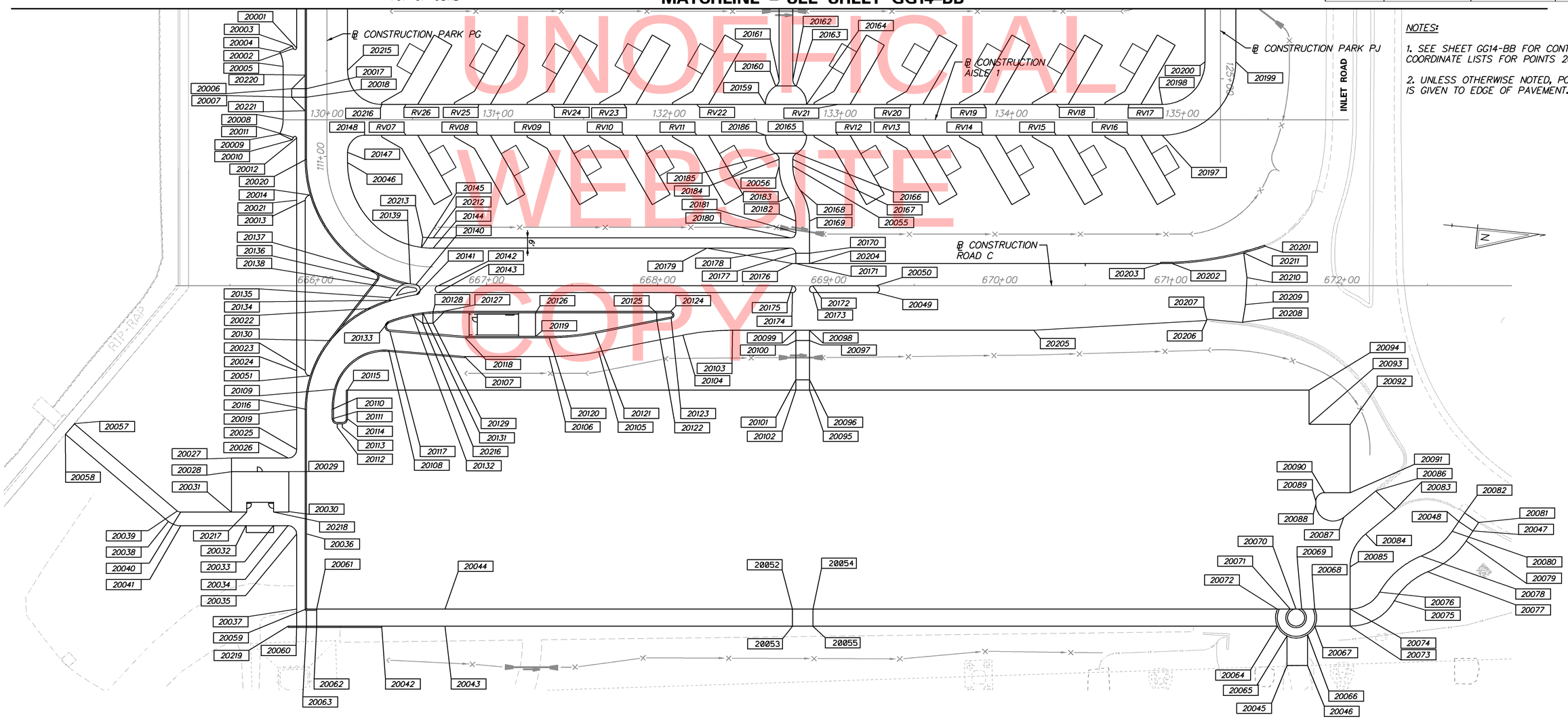
COORDINATE LIST

POINT NO.	NORTHING	EASTING	ELEVATION
20062	222120.51	756892.55	10.08
20063	222114.54	756893.14	10.58
20064	222679.34	756837.26	7.97
20065	222685.52	756842.45	7.88
20066	222697.38	756840.43	7.88
20067	222701.05	756835.11	7.97
20068	222700.07	756825.16	8.02
20069	222692.51	756825.90	8.04
20070	222689.22	756826.23	8.05
20071	222685.91	756826.56	8.04
20072	222678.36	756827.31	8.02
20073	222721.58	756833.08	7.85
20074	222720.59	756823.13	7.95
20075	222745.89	756815.74	7.44
20076	222736.80	756811.57	7.54
20077	222763.61	756797.04	6.78
20078	222758.96	756788.19	6.88
20079	222784.21	756776.77	6.32
20080	222775.43	756771.97	6.42

COORDINATE LIST

POINT NO.	NORTHING	EASTING	ELEVATION
RV07	222144.13	756601.84	9.13
RV08	222186.42	756597.66	8.99
RV09	222228.71	756593.47	8.85
RV10	222271.01	756589.29	8.71
RV11	222313.30	756585.10	8.57
RV12	222395.62	756576.96	8.30
RV13	222437.92	756572.77	8.16
RV14	222480.21	756568.59	8.02
RV15	222522.50	756564.40	7.88
RV16	222564.80	756560.22	7.74
RV17	222563.02	756542.31	7.74
RV18	222520.73	756546.49	7.88
RV19	222478.44	756550.68	8.02
RV20	222436.14	756554.86	8.16
RV21	222393.85	756559.05	8.30
RV22	222311.53	756567.19	8.57
RV23	222269.24	756571.38	8.71
RV24	222226.94	756575.56	8.85
RV25	222184.65	756579.75	8.99
RV26	222142.36	756583.93	9.13

MATCHLINE – SEE SHEET GG14–BB



UNOFFICIAL WEBSITE COPY

NOTES:

1. SEE SHEET GG14-BB FOR CONTINUATION OF COORDINATE LISTS FOR POINTS 20100-20211.

2. UNLESS OTHERWISE NOTED, POINT GEOMETRY IS GIVEN TO EDGE OF PAVEMENT.

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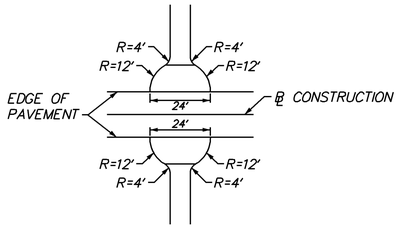
DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	INDIAN RIVER INLET PARK ENHANCEMENTS	CONTRACT T200507303 / COUNTY SUSSEX	BRIDGE NO. X / DESIGNED BY: RK&K / CHECKED BY: RK&K	GRADES AND GEOMETRICS STAKEOUT PLAN (BASE BID)

GG12-BB
SHEET NO. 55
TOTAL SHTS. 282



TYPICAL NORTH RV LOT SIDEWALK DETAIL

NOTES:

1. UNLESS OTHERWISE NOTED, POINT GEOMETRY IS GIVEN TO EDGE OF PAVEMENT.

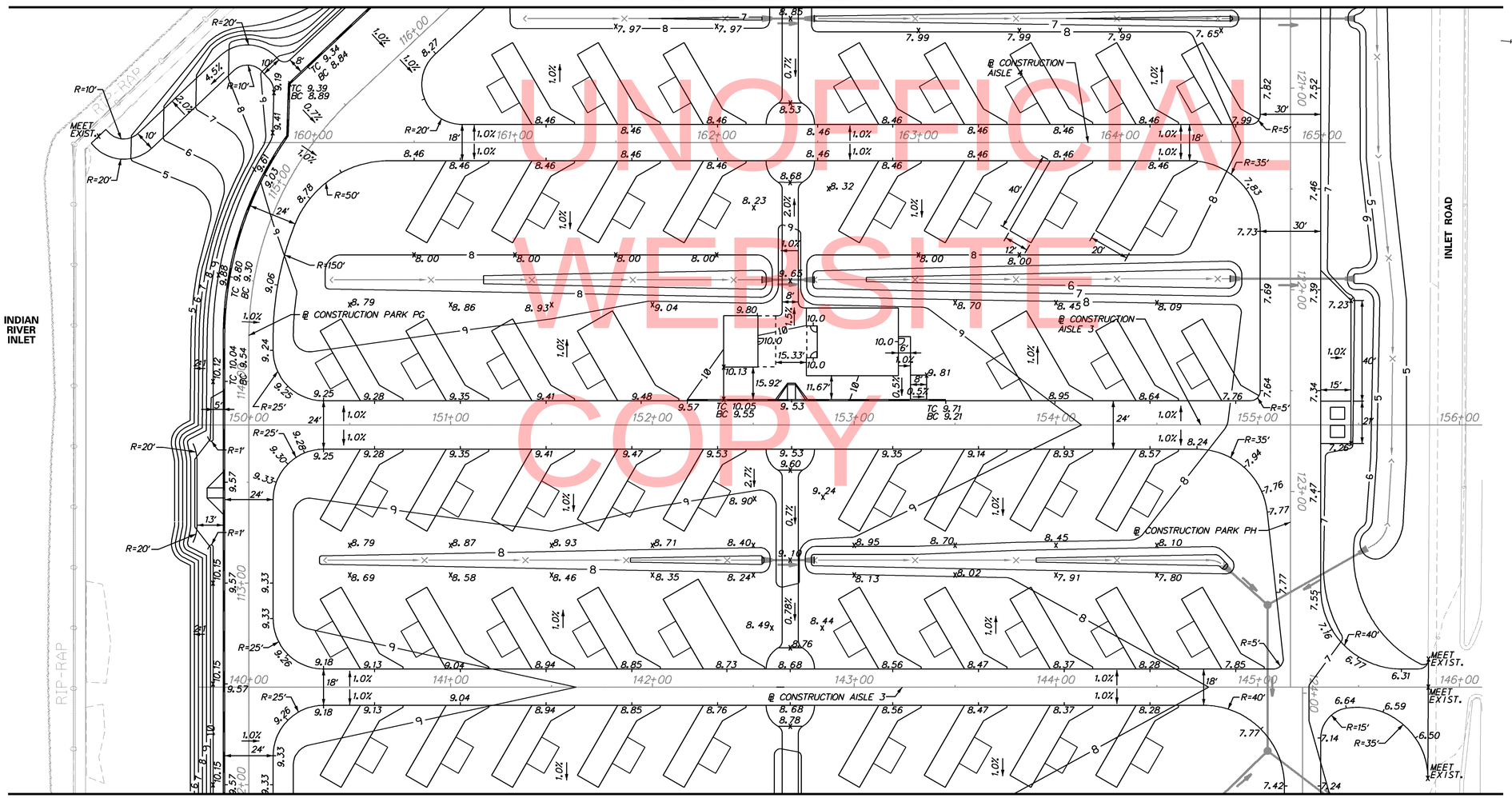
2. UNLESS OTHERWISE NOTED, RADII ARE GIVEN TO EDGE OF PAVEMENT.

3. ALL PROPOSED CONTOURS ALL SHOWN AT 1' INTERVALS.

4. PROPOSED CURB OR PAVEMENT THAT TIES INTO EXISTING PAVEMENT OR EXISTING CURB SHALL MATCH THE EXISTING PAVEMENT OR CURB ELEVATIONS. POSITIVE DRAINAGE SHALL BE MAINTAINED.

5. EXISTING CONTOURS SHOWN AROUND AND UNDER BRIDGE ARE FROM DELDOT CONTRACTS 26-073-01 AND 29-073-01

MATCHLINE – SEE SHEET GG15-BB



MATCHLINE – SEE SHEET GG11-BB

UNOFFICIAL WEBSITE COPY

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DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	INDIAN RIVER INLET PARK ENHANCEMENTS	CONTRACT T200507303	BRIDGE NO. X	GRADES AND GEOMETRICS GRADING PLAN (BASE BID)	GG13-BB
				COUNTY SUSSEX	DESIGNED BY: RK&K		SHEET NO. 56
					CHECKED BY: RK&K		TOTAL SHTS. 282

NOTES:

1. UNLESS OTHERWISE NOTED, POINT GEOMETRY IS GIVEN TO EDGE OF PAVEMENT.

2. SEE SHEET GG14-BB FOR CONTINUATION OF COORDINATE LIST FOR POINTS RV27-RV77

COORDINATE LIST

POINT NO.	NORTHING	EASTING	ELEVATION
20300	221980.49	756210.28	4.26
20301	221987.05	756202.73	4.27
20302	221982.28	756211.83	4.36
20303	221988.84	756204.28	4.37
20304	222010.50	756209.84	5.59
20305	222002.94	756203.28	5.17
20306	222047.18	756167.57	8.16
20307	222039.63	756161.02	7.72
20308	222061.29	756166.57	9.00
20309	222067.84	756159.02	9.00
20311	222068.98	756160.01	9.07
20312	222064.71	756169.55	9.20
20313	222074.40	756159.45	9.20
20314	222075.56	756171.42	8.89
20315	222069.47	756196.33	9.41

COORDINATE LIST

POINT NO.	NORTHING	EASTING	ELEVATION
20316	222077.29	756197.08	8.84
20317	222068.42	756201.50	9.44
20318	222145.49	756149.93	8.27
20319	222162.52	756183.00	8.46
20323	222312.42	756168.17	8.46
20324	222317.34	756157.02	8.53
20325	222318.99	756153.38	8.55
20326	222326.95	756152.59	8.55
20327	222329.29	756155.84	8.53
20328	222336.30	756165.80	8.46
20334	222551.16	756144.54	7.81
20335	222555.64	756139.08	7.81
20336	222561.35	756196.79	7.73
20337	222523.07	756165.41	8.46
20342	222338.07	756183.72	8.46

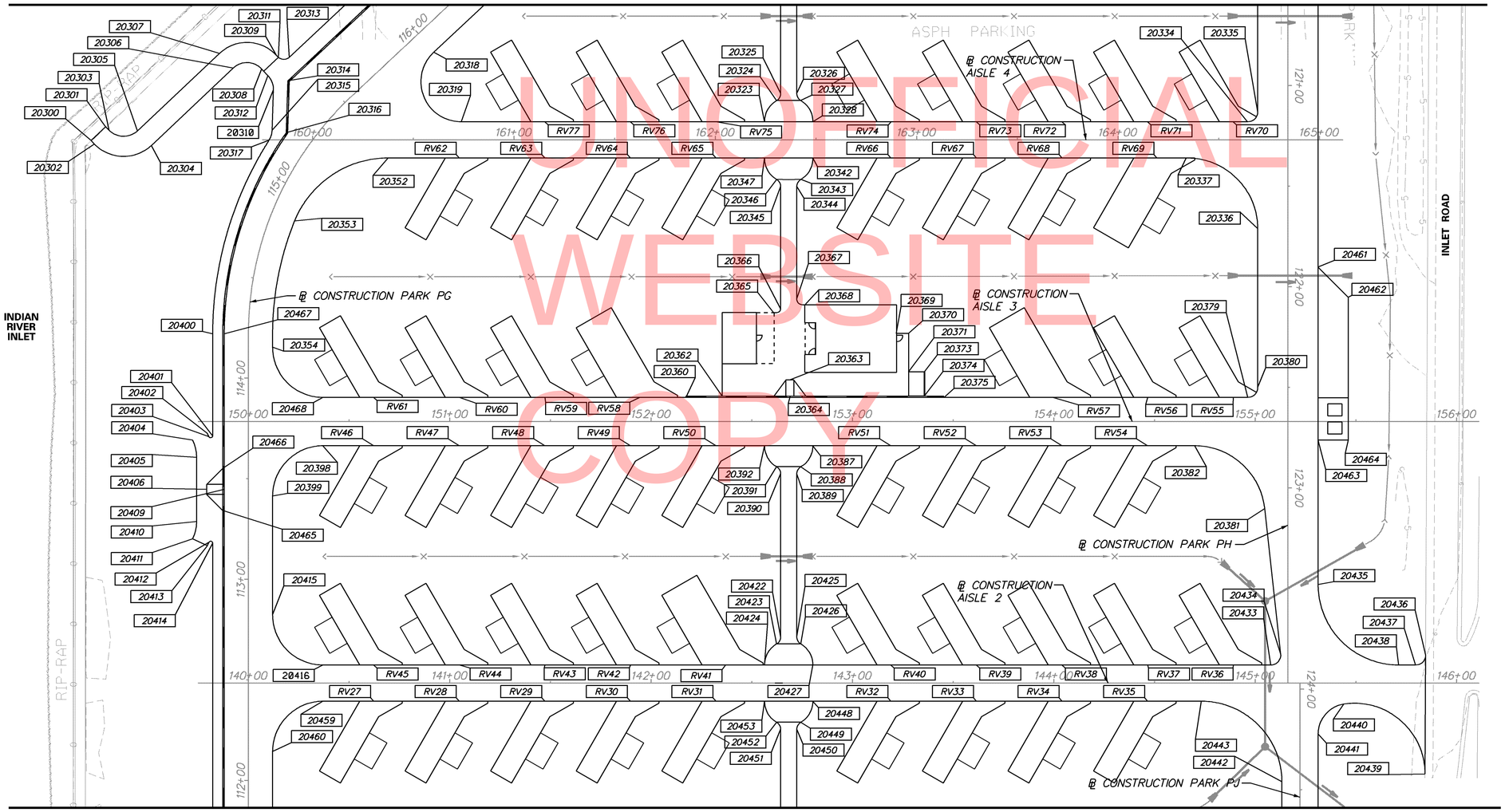
COORDINATE LIST

POINT NO.	NORTHING	EASTING	ELEVATION
20343	222333.14	756194.84	8.68
20344	222331.50	756198.49	8.72
20345	222323.53	756199.27	8.72
20346	222321.20	756196.02	8.68
20347	222314.19	756186.08	8.46
20352	222128.06	756204.49	8.46
20353	222085.00	756240.20	8.88
20354	222080.33	756303.68	9.24
20355	222107.51	756326.11	9.25
20360	222287.10	756308.34	9.57
20361	222330.45	756303.29	9.56
20362	222304.94	756305.82	9.55
20363	222337.60	756294.63	10.04
20364	222338.45	756303.26	9.53
20365	222326.53	756262.10	9.71

COORDINATE LIST

POINT NO.	NORTHING	EASTING	ELEVATION
20366	222329.52	756259.80	9.68
20367	222337.00	756254.16	9.68
20368	222341.28	756256.75	9.78
20369	222388.04	756266.36	10.00
20370	222394.01	756265.77	9.94
20371	222395.89	756284.76	9.85
20373	222403.85	756283.98	9.81
20374	222405.03	756295.92	9.26
20375	222414.51	756295.71	9.21
20379	222564.67	756280.88	7.60
20380	222569.13	756275.41	7.62
20381	222578.47	756334.95	7.77
20382	222540.78	756307.36	8.24
20387	222352.15	756326.02	9.52
20388	222347.21	756336.98	9.60
20389	222345.56	756340.62	9.44
20390	222337.60	756341.41	9.44
20391	222335.27	756338.16	9.47
20392	222328.27	756328.38	9.53
20398	222110.04	756349.98	9.25
20399	222087.62	756377.32	9.33
20400	222050.08	756300.06	10.00
20401	222055.07	756350.45	10.12
20402	222052.20	756349.39	10.08
20403	222053.22	756351.07	10.04
20404	222045.36	756353.55	9.92
20405	222048.17	756361.95	10.01
20406	222054.71	756377.29	9.96
20409	222063.33	756376.44	9.57
20410	222051.30	756393.62	10.01
20411	222050.21	756402.39	9.92
20412	222058.38	756403.29	10.08
20413	222057.73	756405.10	10.04
20414	222060.32	756403.54	10.12
20415	222093.43	756436.03	9.33
20416	222120.77	756458.45	9.18
20422	222345.59	456422.14	8.78
20423	222343.94	756425.78	8.75
20424	222338.99	756436.72	8.76
20425	222353.55	756421.35	8.76
20426	222355.88	756424.60	8.76
20427	222362.87	756434.35	8.65
20433	222589.11	756412.11	7.39
20434	222593.51	756406.10	7.36
20435	222608.63	756369.98	7.55
20436	222665.20	756399.58	MEET EXIST.
20437	222660.72	756405.02	6.15
20438	222652.38	756405.85	6.31
20439	222670.71	756458.48	MEET EXIST.
20440	222627.12	756427.85	6.64
20441	222615.94	756443.85	7.14
20442	222600.37	756469.28	7.42
20443	222556.63	756433.41	8.11
20448	222364.66	756452.40	8.78
20449	222359.71	756463.32	8.78
20450	222358.06	756466.97	8.80
20451	222350.10	756467.76	8.80
20452	222347.77	756464.51	8.67
20453	222340.78	756454.77	8.70
20459	222122.54	756476.36	9.18
20460	222100.13	756503.70	9.33
20461	222593.10	756212.98	7.40
20462	222609.50	756226.43	7.23
20463	222601.57	756298.57	7.40
20464	222616.49	756297.09	7.26
20465	222063.70	756386.95	9.57
20466	222061.64	756366.05	9.57
20467	222055.80	756299.49	9.44
20468	222107.67	756326.09	9.25

MATCHLINE – SEE SHEET GG16-BB



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MATCHLINE – SEE SHEET GG12-BB

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DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

INDIAN RIVER INLET PARK ENHANCEMENTS

CONTRACT	BRIDGE NO.	X
T200507303	DESIGNED BY: RK&K	
COUNTY		
SUSSEX	CHECKED BY: RK&K	

GRADES AND GEOMETRICS STAKEOUT PLAN (BASE BID)

GG14-BB

SHEET NO. 57

TOTAL SHTS. 282

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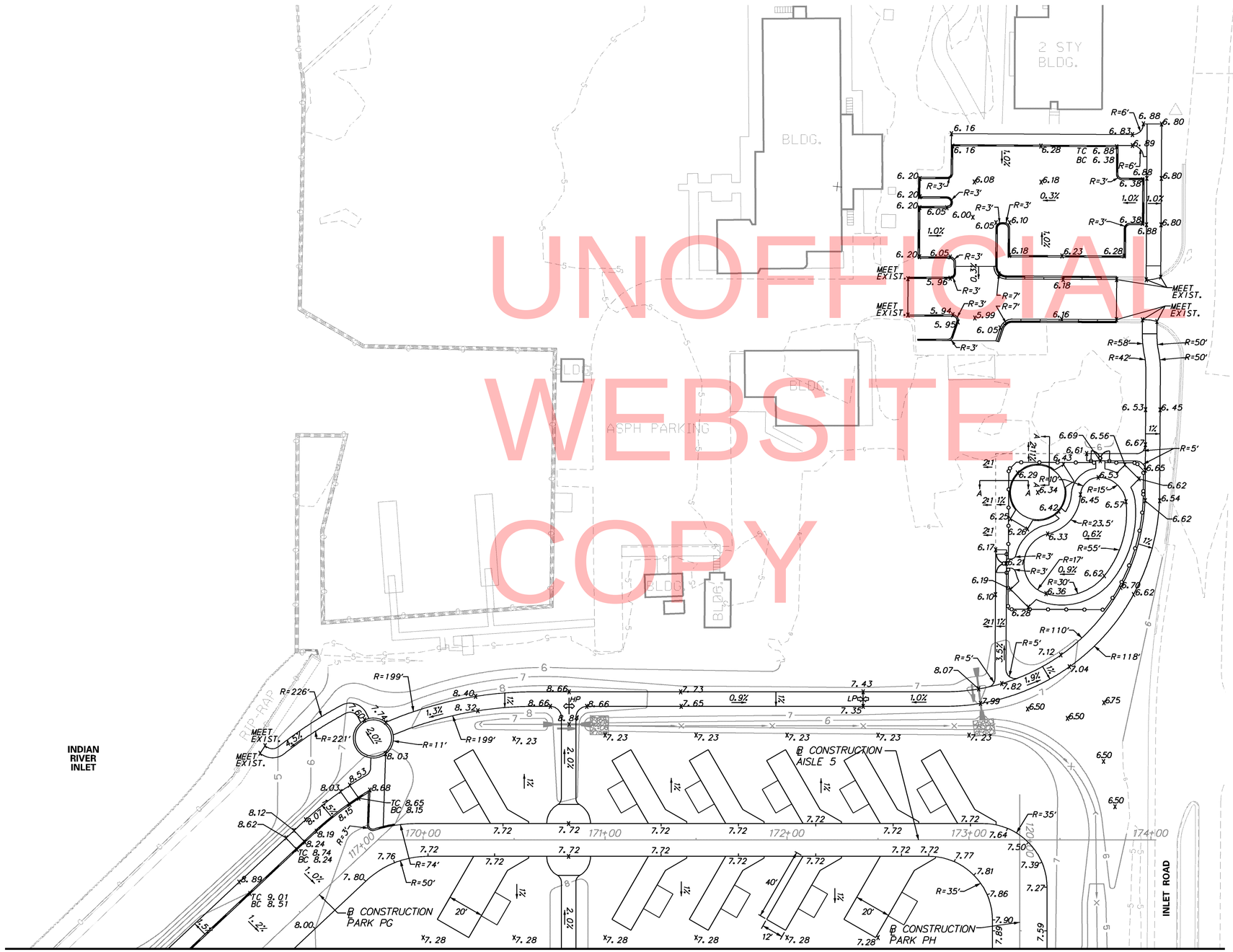
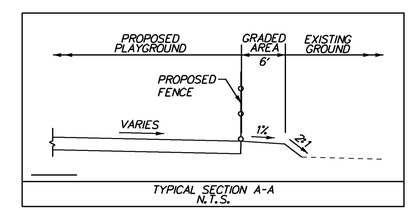


MATCHLINE – SEE SHEET GG13-BB



TYPICAL SECTION A-A
N.T.S.

NOTES:

1. UNLESS OTHERWISE NOTED, POINT GEOMETRY IS GIVEN TO EDGE OF PAVEMENT.

2. UNLESS OTHERWISE NOTED, RADII ARE GIVEN TO EDGE OF PAVEMENT.

3. ALL PROPOSED CONTOURS ALL SHOWN AT 1' INTERVALS.

4. PROPOSED CURB OR PAVEMENT THAT TIES INTO EXISTING PAVEMENT OR EXISTING CURB SHALL MATCH THE EXISTING PAVEMENT OR CURB ELEVATIONS. POSITIVE DRAINAGE SHALL BE MAINTAINED.

5. EXISTING CONTOURS SHOWN AROUND AND UNDER BRIDGE ARE FROM DELDOT CONTRACTS 26-073-01 AND 29-073-01

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DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	INDIAN RIVER INLET PARK ENHANCEMENTS	CONTRACT T200507303	BRIDGE NO. X	GRADES AND GEOMETRICS GRADING PLAN (BASE BID)	GG15-BB
				COUNTY SUSSEX	DESIGNED BY: RK&K		SHEET NO. 58
					CHECKED BY: RK&K		TOTAL SHTS. 282

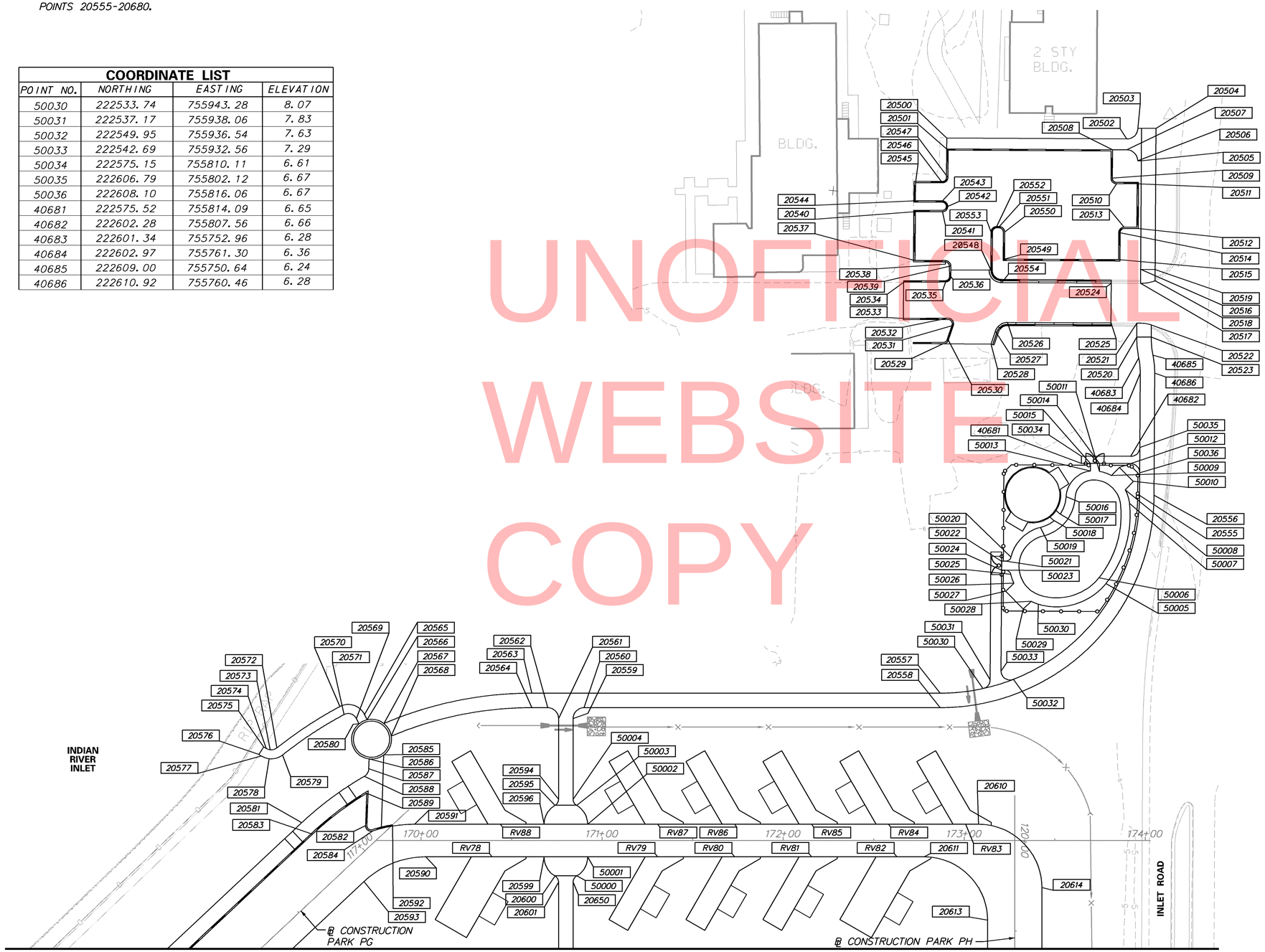
NOTES:

1. UNLESS OTHERWISE NOTED, POINT GEOMETRY IS GIVEN TO EDGE OF PAVEMENT.

2. SEE SHEET GG14-BB FOR POINT GEOMETRY FOR POINTS 20555-20680.

COORDINATE LIST

POINT NO.	NORTHING	EASTING	ELEVATION
50030	222533.74	755943.28	8.07
50031	222537.17	755938.06	7.83
50032	222549.95	755936.54	7.63
50033	222542.69	755932.56	7.29
50034	222575.15	755810.11	6.61
50035	222606.79	755802.12	6.67
50036	222608.10	755816.06	6.67
40681	222575.52	755814.09	6.65
40682	222602.28	755807.56	6.66
40683	222601.34	755752.96	6.28
40684	222602.97	755761.30	6.36
40685	222609.00	755750.64	6.24
40686	222610.92	755760.46	6.28



MATCHLINE – SEE SHEET GG14-BB

UNOFFICIAL WEBSITE COPY

COORDINATE LIST

POINT NO.	NORTHING	EASTING	ELEVATION
20500	222483.86	755642.48	6.13
20501	222484.42	755648.45	6.16
20502	222582.92	755633.19	6.83
20503	222588.35	755626.74	6.80
20504	222598.30	755625.81	6.80
20505	222592.02	755644.48	6.90
20506	222590.03	755644.66	6.90
20507	222583.48	755639.17	6.89
20508	222575.60	755639.91	6.88
20509	222576.32	755655.66	6.28
20510	222579.59	755658.36	6.28
20511	222590.96	755657.30	6.38
20512	222593.20	755681.19	6.38
20513	222586.23	755681.85	6.28
20514	222583.52	755685.11	6.28
20515	222584.92	755700.05	6.18
20516	222597.62	755704.21	6.30
20517	222598.33	755711.85	6.27
20518	222606.16	755709.62	6.27
20519	222605.58	755703.47	6.30
20520	222599.11	755741.58	6.20
20521	222598.39	755733.94	6.17
20522	222606.44	755734.11	6.17
20523	222607.07	755740.83	6.20
20524	222582.13	755713.37	5.90
20525	222584.19	755735.27	6.21
20526	222527.24	755740.61	6.07
20527	222521.07	755746.00	6.05
20528	222519.36	755753.40	MEET EXIST.
20529	222493.07	755755.86	MEET EXIST.
20530	222495.71	755753.56	5.99
20531	222497.67	755745.11	5.95
20532	222494.43	755741.45	5.94
20533	222469.86	755744.05	MEET EXIST.
20534	222467.96	755724.14	MEET EXIST.
20535	222491.00	755721.70	5.96
20536	222493.67	755718.40	5.99
20537	222473.09	755711.54	6.20
20538	222489.80	755709.97	6.05
20539	222493.06	755712.64	6.20
20540	222470.57	755684.65	6.20
20541	222485.50	755683.25	6.05
20542	222488.13	755680.02	6.04
20543	222484.94	755677.28	6.05
20544	222470.01	755678.68	6.20
20545	222469.07	755668.72	6.20
20546	222483.93	755667.33	6.10
20547	222486.63	755664.06	6.08
20548	222515.29	755712.60	6.10
20549	222522.20	755705.93	6.10
20550	222520.80	755690.99	6.10
20551	222517.53	755688.29	6.08
20552	222516.04	755688.43	6.07
20553	222513.33	755691.69	6.05
20554	222521.92	755719.01	6.06
RV78	222273.14	756062.52	7.72
RV79	222364.16	756053.51	7.72
RV80	222406.45	756049.33	7.72
RV81	222448.75	756045.14	7.72
RV82	222495.64	756040.51	7.72
RV83	222531.56	756018.86	7.72
RV84	222489.27	756023.05	7.72
RV85	222446.97	756027.23	7.72
RV86	222404.68	756031.42	7.72
RV87	222362.39	756035.60	7.72
RV88	222275.97	756044.15	7.72

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DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

INDIAN RIVER INLET PARK ENHANCEMENTS

CONTRACT	BRIDGE NO.	X
T200507303	DESIGNED BY: RK&K	
COUNTY		
SUSSEX	CHECKED BY: RK&K	

GRADES AND GEOMETRICS STAKEOUT PLAN (BASE BID)

GG16-BB

SHEET NO. 59

TOTAL SHTS. 282

COORDINATE LIST SHEET GG02-BB (CONT.)

COORDINATE LIST			
POINT NO.	NORTHING	EASTING	ELEVATION
10086	220755.52	757612.15	9.24
10087	220767.18	757587.89	9.11
10088	220766.96	757577.90	9.04
10089	220781.96	757577.57	9.20
10090	220779.62	757469.99	8.64
10091	220740.02	757392.45	5.76
10092	220571.46	757377.09	4.99
10093	220586.46	757418.74	5.26
10094	220535.17	757436.95	6.31
10095	220479.01	757400.12	5.44
10096	220430.12	757401.18	5.40
10097	220430.44	757416.18	5.78
10098	220425.55	757421.29	5.95
10099	220406.81	757421.69	6.05
10100	220411.16	757621.65	8.73
10101	220422.41	757621.40	8.74
10102	220431.15	757621.21	8.75
10103	220590.22	757591.75	8.88
10104	220538.56	757592.87	8.81
10105	220673.44	757252.96	MEET EXIST.
10106	220660.18	757280.50	MEET EXIST.
10107	220654.13	757293.13	MEET EXIST.
10108	220643.50	757315.28	MEET EXIST.
10109	220427.28	757644.05	9.28
10110	220694.89	757675.49	9.25
10112	220809.54	757580.97	9.35
10113	220814.54	7578580.86	9.41
10114	220793.85	757572.31	9.27
10115	220791.10	757446.21	8.48
10116	220734.37	757358.22	7.38
10117	220750.21	757323.67	7.62
10118	220841.09	757313.77	7.14
10119	220846.51	757314.60	7.18
10120	220847.16	757313.18	7.18
10121	220846.90	757322.84	7.21
10122	220835.32	757455.66	8.83
10123	220773.18	757587.76	9.12
10124	220816.20	757496.35	8.91
10125	220828.20	757496.09	9.03
10126	220853.31	757455.27	8.63
10127	220748.21	757338.31	7.69
10128	220740.37	757285.68	7.33
10129	220650.51	757318.01	6.00
10130	220800.72	757390.38	8.40

COORDINATE LIST SHEET GG08-BB (CONT.)

COORDINATE LIST			
POINT NO.	NORTHING	EASTING	ELEVATION
10579	220742.73	756619.15	5.85
10580	220780.89	756592.40	3.83
10581	220787.25	756579.15	4.17
10582	220618.79	756689.16	MEET EXIST.
10583	220635.67	756688.07	MEET EXIST.
10584	220668.61	756685.92	MEET EXIST.
10585	220685.49	756684.82	MEET EXIST.
10586	220723.49	756682.35	MEET EXIST.
10587	220740.38	756681.25	MEET EXIST.
10588	220843.37	756671.61	4.80
10589	220840.64	756674.72	4.70
10590	220851.36	756671.09	4.60
10591	220854.47	756673.82	4.50
10592	220844.27	756685.44	4.35
10593	220852.26	756684.92	4.15
10594	220909.11	756680.83	3.96
10595	220905.60	756626.94	4.02
10596	220924.80	756613.98	4.18
10597	220921.29	756560.09	4.29
10598	220883.37	756285.33	3.66
10599	220903.33	756284.03	3.86

COORDINATE LISTS SHEET GG08-BB (CONT.)

COORDINATE LIST			
POINT NO.	NORTHING	EASTING	ELEVATION
10600	220934.86	756266.42	3.80
10601	220946.43	756250.11	3.60
10602	220979.63	756298.19	3.89
10603	220991.20	756281.88	3.69
10604	220996.39	756328.22	4.97
10605	221016.35	756326.92	3.78
10606	221357.81	756390.24	3.84
10607	221363.85	756479.89	3.84

COORDINATE LISTS SHEET GG12-BB (CONT.)

COORDINATE LIST			
POINT NO.	NORTHING	EASTING	ELEVATION
20081	222790.43	756765.38	MEET EXIST.
20082	222781.66	756760.58	MEET EXIST.
20083	222741.24	756762.50	MEET EXIST.
20084	222725.33	756778.47	7.17
20085	222718.16	756798.57	7.77
20086	222728.82	756752.86	MEET EXIST.
20087	222711.68	756770.07	7.29
20088	222694.64	756763.99	7.38
20089	222694.49	756762.40	7.82
20090	222698.97	756756.93	7.66
20091	222713.90	756755.46	7.35
20092	222709.96	756715.65	7.00
20093	222686.08	756718.01	7.58
20094	222684.11	756698.11	7.38
20095	222393.53	756726.86	7.82
20096	222392.93	756720.89	7.88
20097	222390.68	756698.08	7.97
20098	222390.09	756692.11	7.91
20099	222382.13	756692.90	7.94
20100	222382.72	756698.87	8.00
20101	222382.72	756698.87	7.89
20102	222385.56	756727.65	7.83
20103	222345.31	756696.54	8.05
20104	222316.75	756702.21	8.08
20105	222268.75	756716.69	8.25
20106	222240.19	756722.36	8.37
20107	222191.11	756727.21	8.52
20108	222146.48	756727.90	8.60
20109	222117.23	756753.76	8.88
20110	222116.99	756765.59	* 8.95
20111	222117.53	756770.95	8.95
20112	222120.81	756773.64	8.77
20113	222123.79	756773.35	* 8.60
20114	222126.48	756770.07	8.40
20115	222124.84	756753.45	8.22
20116	222102.07	756767.06	* 9.60
20117	222146.09	756716.91	8.82
20118	222190.45	756716.22	8.74
20119	222231.07	756711.45	9.11
20120	222239.10	756711.41	8.59
20121	222265.57	756706.16	8.47
20122	222300.71	756694.77	8.40
20123	222308.97	756693.06	8.38
20124	222308.20	756689.16	8.38
20125	222300.31	756690.69	8.40
20126	222229.70	756697.68	9.11
20127	222175.73	756702.27	8.77
20128	222170.09	756703.01	8.78
20129	222170.74	756709.62	9.29
20130	222111.94	756725.72	9.13
20131	222164.18	756704.18	8.80
20132	222158.39	756705.75	8.81

COORDINATE LISTS SHEET GG12-BB (CONT.)

COORDINATE LIST			
POINT NO.	NORTHING	EASTING	ELEVATION
20133	222144.70	756711.23	8.84
20134	222145.54	756698.73	9.05
20135	222144.30	756697.27	9.05
20136	222136.16	756687.72	9.14
20137	222134.71	756683.31	9.17
20138	222147.87	756691.68	9.08
20139	222155.27	756688.01	9.07
20140	222158.48	756688.20	9.05
20141	222159.13	756694.10	9.02
20142	222171.75	756687.59	9.00
20143	222172.14	756691.57	9.00
20144	222166.43	756666.01	8.76
20145	222159.60	756666.21	8.84
20146	222111.75	756621.17	9.29
20147	222111.15	756615.15	9.31
20148	222120.12	756604.22	9.21
20159	222351.51	756563.23	8.44
20160	222356.42	756551.91	8.45
20161	222358.07	756548.26	8.45
20162	222366.03	756547.26	8.43
20163	222368.36	756550.73	8.41
20164	222375.40	756560.87	8.36
20165	222377.16	756578.79	8.36
20166	222372.24	756589.97	8.36
20167	222370.59	756593.62	8.35
20168	222376.51	756610.92	8.27
20169	222383.80	756628.56	8.20
20170	222385.66	756647.33	8.12
20171	222378.29	756654.09	8.12
20172	222389.52	756666.04	8.35
20173	222389.91	756670.02	8.35
20174	222377.97	756671.20	8.38
20175	222377.58	756667.22	8.38
20176	222376.30	756654.28	8.12
20177	222377.69	756648.12	8.12
20178	222374.41	756645.43	8.15
20179	222325.65	756650.25	8.05
20180	222373.82	756639.46	8.15
20181	222376.51	756636.17	8.18
20182	222375.84	756629.35	8.21
20183	222370.31	756615.98	8.29
20184	222362.63	756594.40	8.36
20185	222360.30	756591.15	8.38
20186	222353.28	756581.15	8.44
20197	222584.06	756558.31	7.68
20198	222582.29	756540.40	7.68
20199	222622.61	756511.29	7.43
20200	222604.70	756513.06	7.61
20201	222650.43	756617.03	MEET EXIST
20202	222597.15	756632.43	5.38
20203	222590.54	756633.09	5.42
20204	222386.25	756653.30	8.11
20205	222520.68	756679.19	6.40
20206	222620.53	756663.55	5.35
20207	222620.60	756662.80	5.35
20208	222641.52	756662.65	5.54
20209	222642.17	756652.07	5.63
20210	222641.54	756636.23	5.96
20211	222638.29	756622.04	6.42
20212	222165.84	756660.03	8.67
20213	222159.83	756660.22	8.72
20214	222128.30	756585.32	9.17
20215	222106.43	756567.39	9.33
20216	222164.77	756710.21	9.31
20217	222073.17	756830.23	10.00
20218	222088.84	756828.68	10.00
20219	222103.84	756894.20	10.63
20220	222082.08	756572.70	9.57
20221	222084.13	756593.43	9.57

* TOP OF CURB

COORDINATE LISTS SHEET GG014-BB (CONT.)

COORDINATE LIST			
POINT NO.	NORTHING	EASTING	ELEVATION
RV27	222147.66	756473.87	9.13
RV28	222189.95	756469.69	9.03
RV29	222232.24	756465.50	8.94
RV30	222274.54	756461.32	8.85
RV31	222316.83	756457.14	8.75
RV32	222403.25	756448.58	8.56
RV33	222445.54	756444.40	8.47
RV34	222487.84	756440.21	8.37
RV35	222530.13	756436.03	8.28
RV36	222570.65	756413.93	7.83
RV37	222528.36	756418.12	8.28
RV38	222486.07	756422.30	8.37
RV39	222443.77	756426.49	8.47
RV40	222401.48	756430.67	8.56
RV41	222319.65	756438.77	8.74
RV42	222272.76	756443.41	8.85
RV43	222230.47	756447.59	8.94
RV44	222188.18	756451.78	9.03
RV45	222145.88	756455.96	9.13
RV46	222135.15	756347.49	9.28
RV47	222177.44	756343.31	9.35
RV48	222219.74	756339.12	9.41
RV49	222262.03	756334.94	9.47
RV50	222304.33	756330.75	9.53
RV51	222390.75	756322.20	9.34
RV52	222433.04	756318.02	9.13

COORDINATE LIST			
POINT NO.	NORTHING	EASTING	ELEVATION
RV53	222475.33	756313.83	8.92
RV54	222517.63	756309.65	8.63
RV55	222557.56	756281.58	7.82
RV56	222515.26	756285.76	8.63
RV57	222468.37	756290.40	8.94
RV58	222264.26	756310.60	9.48
RV59	222217.38	756315.24	9.41
RV60	222175.08	756319.42	9.35
RV61	222132.79	756323.61	9.28
RV62	222163.36	756201.00	8.46
RV63	222205.66	756196.82	8.46
RV64	222247.95	756192.63	8.46
RV65	222290.24	756188.45	8.46
RV66	222376.67	756179.90	8.46
RV67	222418.96	756175.71	8.46
RV68	222461.25	756171.53	8.46
RV69	222508.14	756166.89	8.46
RV70	222544.07	756145.25	7.96
RV71	222501.77	756149.43	8.46
RV72	222459.48	756153.61	8.46
RV73	222417.19	756157.80	8.46
RV74	222374.89	756161.98	8.46
RV75	222288.47	756170.54	8.46
RV76	222246.18	756174.72	8.46
RV77	222203.89	756178.90	8.46

COORDINATE LISTS SHEET GG16-BB (CONT.)

COORDINATE LIST			
POINT NO.	NORTHING	EASTING	ELEVATION
20555	222609.26	755828.40	6.62
20556	222617.22	755827.66	6.54
20557	222510.57	755948.13	7.88
20558	222511.36	755956.10	7.80
20559	222310.08	755982.04	8.78
20560	222315.46	755975.48	8.66
20561	222302.12	755982.83	8.78
20562	222295.56	755977.45	8.66
20563	222285.99	755970.36	8.66
20564	222286.78	755978.32	8.58
20565	222198.29	755991.24	7.48
20566	222196.95	755993.93	7.60
20567	222206.38	755995.10	7.74
20568	222211.09	756001.64	7.90
20569	222191.03	755993.86	7.59
20570	222181.24	755988.15	6.86
20571	222184.01	755992.32	7.00
20572	222148.85	756014.29	5.00
20573	222145.28	756015.70	4.79
20574	222143.09	756015.16	4.70
20575	222141.58	756014.39	MEET EXIST.
20576	222139.31	756018.84	MEET EXIST.
20577	222140.82	756019.62	4.63
20578	222145.20	756020.70	4.82
20579	222152.33	756017.88	5.17
20580	222192.69	755996.55	7.59
20581	222166.54	756054.08	8.07
20582	222201.88	756052.21	7.87
20583	222173.12	756059.84	8.19
20584	222206.08	756054.76	7.87
20585	222207.98	756012.37	8.03
20586	222200.16	756015.35	8.03
20587	222200.52	756020.77	8.04
20588	222198.44	756025.18	8.05
20589	222200.68	756034.37	7.90
20590	222228.63	756048.84	7.72
20591	222236.76	756066.12	7.72
20592	222216.73	756051.01	7.72
20593	222204.05	756082.96	7.80
20594	222306.50	756027.10	8.01

COORDINATE LIST			
POINT NO.	NORTHING	EASTING	ELEVATION
20595	222304.85	756030.75	7.92
20596	222299.91	756041.78	7.72
20599	222301.69	756059.70	7.72
20600	222308.69	756069.56	7.92
20601	222311.02	756072.81	7.99
20610	222538.65	756018.16	7.72
20611	222510.57	756039.03	7.68
20613	222576.93	756049.54	7.90
20614	222318.98	756072.02	7.62
20650	222320.63	756068.38	7.99
50000	222325.57	756057.33	7.92
50001	222323.80	756039.42	7.72
50002	222316.79	756029.57	7.72
50003	222314.46	756026.32	7.92
50004	222595.50	755878.83	8.00
50005	222591.33	755876.08	6.66
50006	222604.14	755833.33	6.62
50007	222601.05	755826.13	6.59
50008	222592.59	755819.15	6.59
50009	222605.11	755821.14	6.56
50010	222585.91	755817.52	6.62
50011	222596.62	755814.22	6.66
50012	222580.91	755817.82	6.56
50013	222585.48	755813.16	6.50
50014	222580.50	755813.62	6.55
50015	222568.97	755833.19	6.50
50016	222566.63	755843.08	6.43
50017	222563.61	755847.07	6.44
50018	222556.56	755851.51	6.41
50019	222541.97	755869.33	6.32
50020	222539.28	755871.91	6.23
50021	222537.02	755872.12	6.22
50022	222539.65	755876.90	6.21
50023	222537.49	755877.11	6.22
50024	222542.81	755878.97	6.21
50025	222544.90	755883.61	6.23
50026	222540.90	755888.42	6.23
50027	222555.38	755892.63	6.19
50028	222551.52	755897.26	6.32
50029	222559.49	755893.87	6.28

GG17-BB

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DELAWARE DEPARTMENT OF TRANSPORTATION

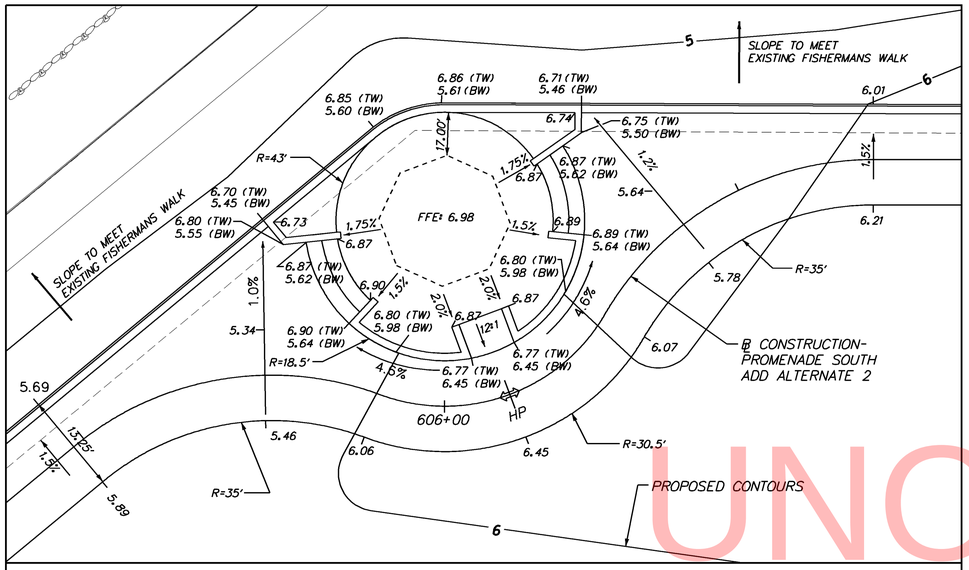
ADDENDUMS / REVISIONS

INDIAN RIVER INLET PARK ENHANCEMENTS

CONTRACT	BRIDGE NO.	X
T200507303	DESIGNED BY: RK&K	
COUNTY		
SUSSEX	CHECKED BY: RK&K	

GRADES AND GEOMETRICS STAKEOUT PLAN (BASE BID)

SHEET NO. 60
TOTAL SHTS. 282



ENLARGEMENT 'A' - BUILDING 7C
SCALE: 1" = 10'

NOTES:

1. UNLESS OTHERWISE NOTED, POINT GEOMETRY IS GIVEN TO EDGE OF PAVEMENT.
2. UNLESS OTHERWISE NOTED, RADII ARE GIVEN TO EDGE OF PAVEMENT.
3. ALL PROPOSED CONTOURS ARE SHOWN AT 1' INTERVALS.
4. PROPOSED CURB OR PAVEMENTS THAT TIE INTO EXISTING PAVEMENT OR EXISTING CURB SHALL MATCH THE EXISTING PAVEMENT OR CURB ELEVATIONS. POSITIVE DRAINAGE SHALL BE MAINTAINED.
5. EXISTING CONTOURS SHOWN AROUND AND UNDER BRIDGE ARE FROM CONTRACTS 26-073-01 AND 29-073-01.
6. SEE LANDSCAPE PLAN FOR STEP AND SEATWALL DETAILS.
7. SEE CONSTRUCTION DETAIL (ADD ALTERNATE) FOR EXTENDED HAUNCH DETAIL.

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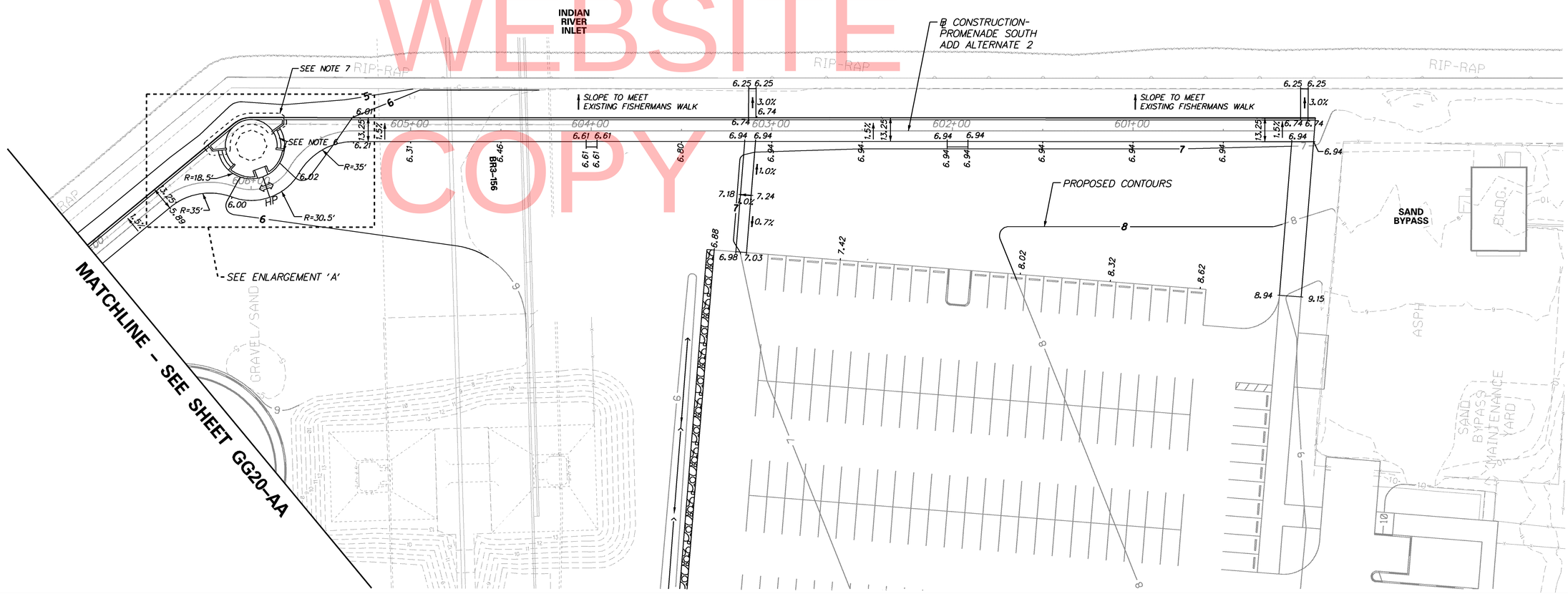

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	INDIAN RIVER INLET PARK ENHANCEMENTS	CONTRACT T200507303	BRIDGE NO. X	GRADES AND GEOMETRICS GRADING PLAN (ADD ALTERNATE 2)	GG18-AA
				COUNTY SUSSEX	DESIGNED BY: RK&K		SHEET NO. 61
					CHECKED BY: RK&K		TOTAL SHTS. 282

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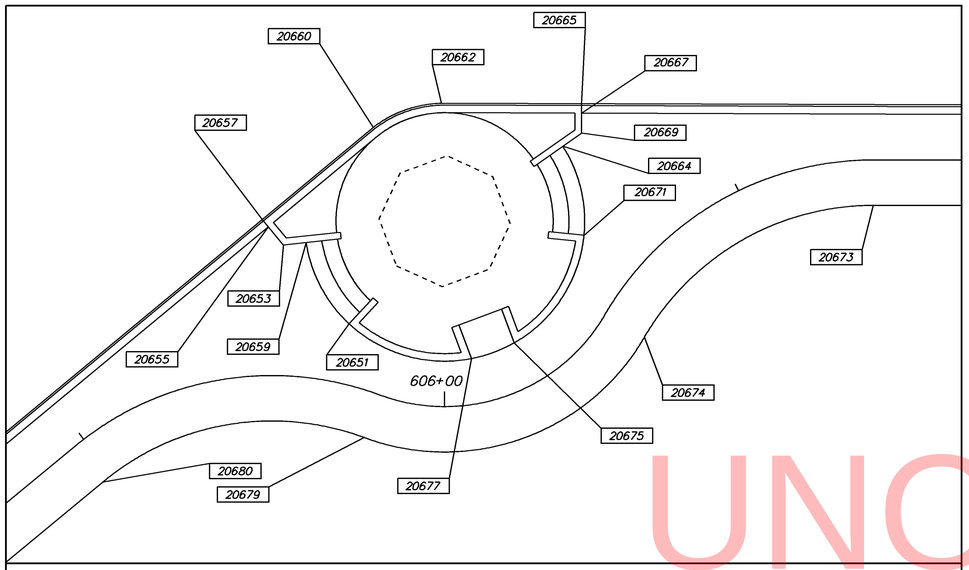


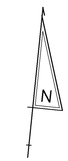
ENLARGEMENT 'A' - BUILDING 7C
SCALE: 1" = 10'

COORDINATE LIST			
POINT NO.	NORTHING	EASTING	ELEVATION
20651	221329.31	756953.85	5.64
20653	221338.76	756944.20	5.55
20655	221340.98	756941.94	5.48
20657	221341.85	756941.05	5.45
20659	221339.38	756947.13	5.62
20660	221355.46	756954.41	5.60
20662	221359.51	756963.05	5.61
20664	221355.49	756979.56	5.62
20665	221361.33	756981.45	5.46
20667	221360.08	756981.57	5.49
20669	221357.46	756981.83	5.50
20671	221344.06	756983.54	5.64
20673	221351.87	757021.15	6.21
20674	221331.47	756992.83	6.07
20675	221328.99	756975.80	6.45
20677	221326.34	756970.42	6.45
20679	221314.52	756957.37	6.06
20680	221305.16	756923.60	5.89
20681	221365.02	757149.31	6.61
20682	221365.64	757155.28	6.61

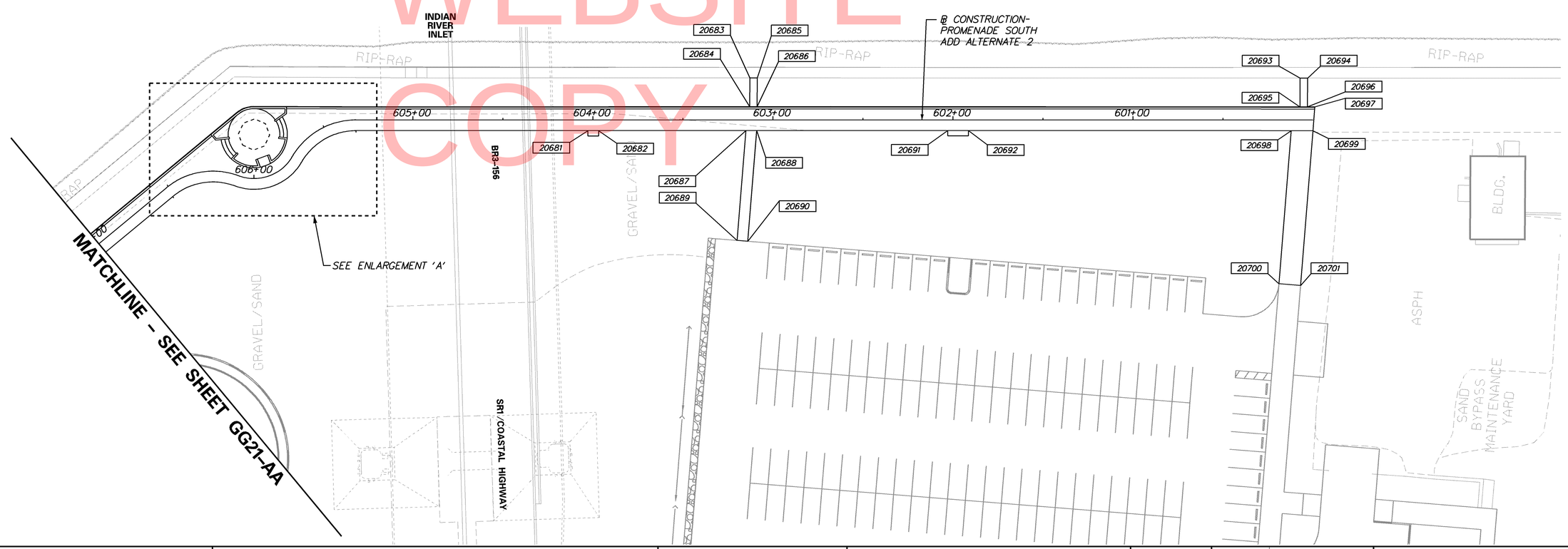
COORDINATE LIST			
POINT NO.	NORTHING	EASTING	ELEVATION
20683	221403.31	757235.83	MEET EXIST.
20684	221387.39	757237.42	6.74
20685	221403.72	757239.93	MEET EXIST.
20686	221387.81	757241.52	6.74
20687	221373.98	757236.61	6.94
20688	221374.60	757242.60	6.94
20689	221312.70	757237.94	6.98
20690	221312.83	757243.94	7.03
20691	221385.35	757348.15	6.94
20692	221386.51	757359.59	6.94
20693	221434.20	757539.95	MEET EXIST.
20694	221434.62	757544.05	MEET EXIST.
20695	221418.28	757541.56	6.74
20696	221418.70	757545.66	6.74
20697	221419.11	757549.70	6.74
20698	221404.60	757538.02	6.94
20699	221405.82	757549.99	6.94
20700	221319.27	757539.87	8.94
20701	221319.53	757551.87	9.15

NOTE:

1. UNLESS OTHERWISE NOTED, POINT GEOMETRY IS GIVEN TO EDGE OF PAVEMENT.



UNOFFICIAL WEBSITE COPY



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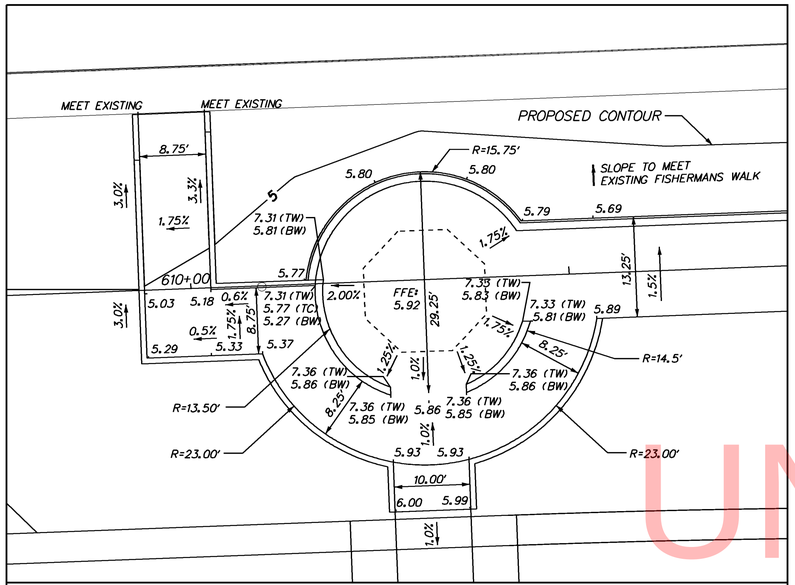
DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	INDIAN RIVER INLET PARK ENHANCEMENTS	CONTRACT T200507303	BRIDGE NO. X	GRADES AND GEOMETRICS STAKEOUT PLAN (ADD ALTERNATE 2)	GG19-AA
				COUNTY SUSSEX	DESIGNED BY: RK&K		SHEET NO. 62
					CHECKED BY: RK&K		TOTAL SHTS. 282

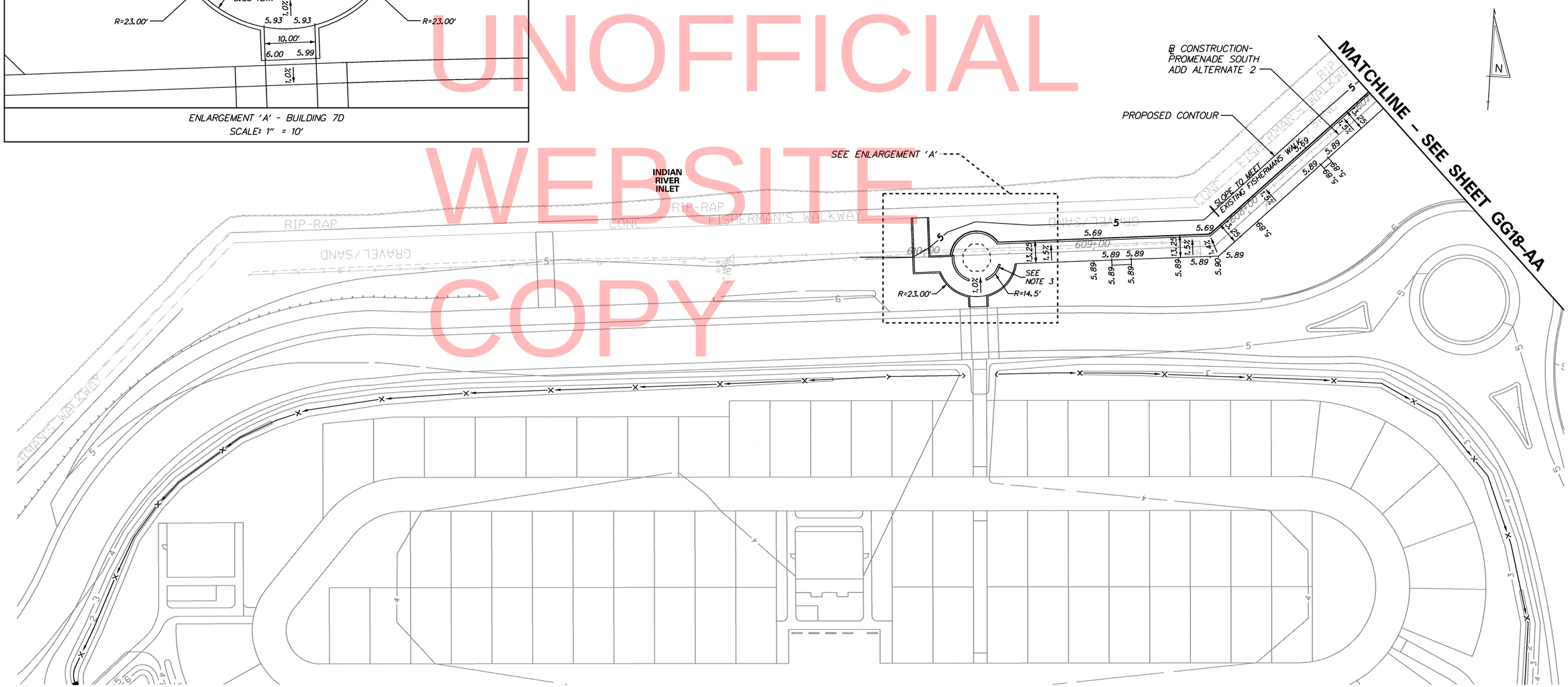


ENLARGEMENT 'A' - BUILDING 7D
SCALE: 1" = 10'

NOTES:

1. UNLESS OTHERWISE NOTED, POINT GEOMETRY IS GIVEN TO EDGE OF PAVEMENT.
2. UNLESS OTHERWISE NOTED, RADII ARE GIVEN TO EDGE OF PAVEMENT.
3. ALL PROPOSED CONTOURS ARE SHOWN AT 1' INTERVALS.
4. PROPOSED CURB OR PAVEMENTS THAT TIE INTO EXISTING PAVEMENT OR EXISTING CURB SHALL MATCH THE EXISTING PAVEMENT OR CURB ELEVATIONS. POSITIVE DRAINAGE SHALL BE MAINTAINED.
5. EXISTING CONTOURS SHOWN AROUND AND UNDER BRIDGE ARE FROM CONTRACTS 26-073-01 AND 29-073-01.
6. SEE LANDSCAPE PLAN FOR STEP AND SEATWALL DETAILS.

UNOFFICIAL WEBSITE COPY



DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	INDIAN RIVER INLET PARK ENHANCEMENTS	CONTRACT T200507303	BRIDGE NO. X	GRADES AND GEOMETRICS GRADING PLAN (ADD ALTERNATE 2)	GG20-AA
				COUNTY SUSSEX	DESIGNED BY: RK&K		SHEET NO. 63
					CHECKED BY: RK&K		TOTAL SHTS. 282

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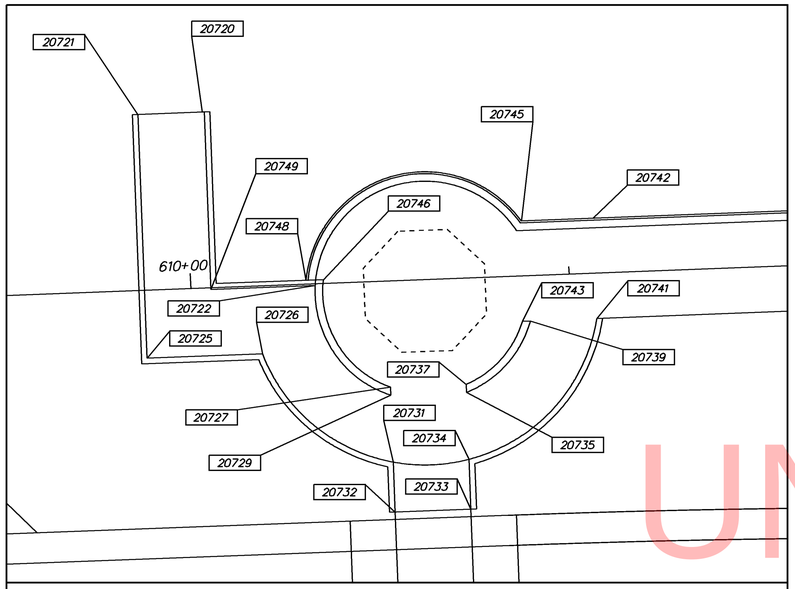


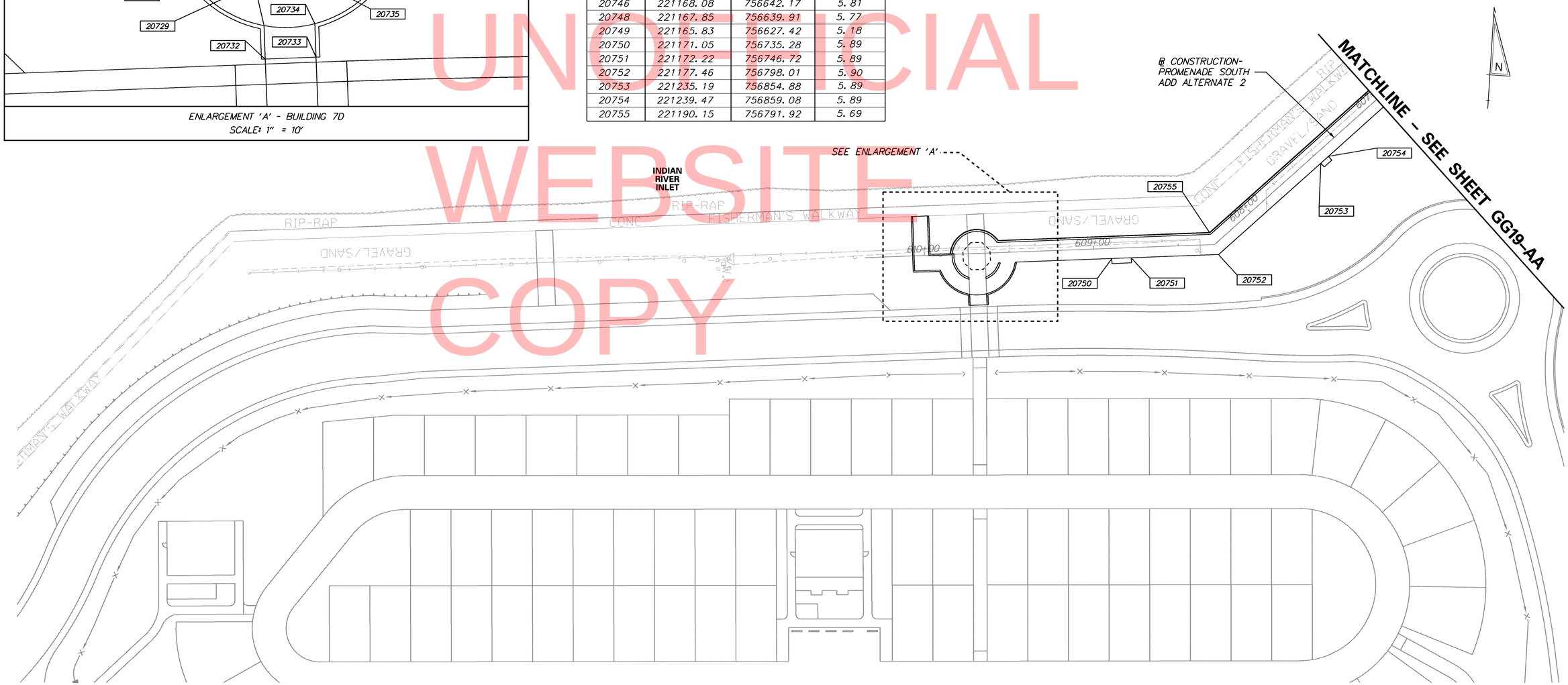
ENLARGEMENT 'A' - BUILDING 7D
SCALE: 1" = 10'

COORDINATE LIST			
POINT NO.	NORTHING	EASTING	ELEVATION
20720	221189.17	756624.81	MEET EXIST.
20721	221188.30	756616.35	MEET EXIST.
20722	221167.22	756641.15	5.27
20725	221156.25	756619.60	5.29
20726	221157.78	756634.77	5.37
20727	221154.45	756651.94	5.86
20729	221153.39	756652.05	5.85
20731	221144.60	756652.94	5.93
20732	221138.03	756653.60	6.00
20733	221139.04	756663.55	5.99
20734	221145.60	756662.89	5.93
20735	221154.40	756662.00	5.85
20737	221155.46	756661.89	5.86
20739	221164.36	756669.82	5.81
20741	221165.25	756679.31	5.89
20742	221178.43	756677.20	5.69
20743	221164.25	756668.77	5.83
20745	221177.47	756667.79	5.79
20746	221168.08	756642.17	5.81
20748	221167.85	756639.91	5.77
20749	221165.83	756627.42	5.18
20750	221171.05	756735.28	5.89
20751	221172.22	756746.72	5.89
20752	221177.46	756798.01	5.90
20753	221235.19	756854.88	5.89
20754	221239.47	756859.08	5.89
20755	221190.15	756791.92	5.69

NOTE:

1. UNLESS OTHERWISE NOTED, POINT GEOMETRY IS GIVEN TO EDGE OF PAVEMENT.

UNOFFICIAL WEBSITE COPY



DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	INDIAN RIVER INLET PARK ENHANCEMENTS	CONTRACT T200507303 / COUNTY SUSSEX	BRIDGE NO. X / DESIGNED BY: RK&K / CHECKED BY: RK&K	GRADES AND GEOMETRICS STAKEOUT PLAN (ADD ALTERNATE 2)	GG21-AA / SHEET NO. 64 / TOTAL SHTS. 282

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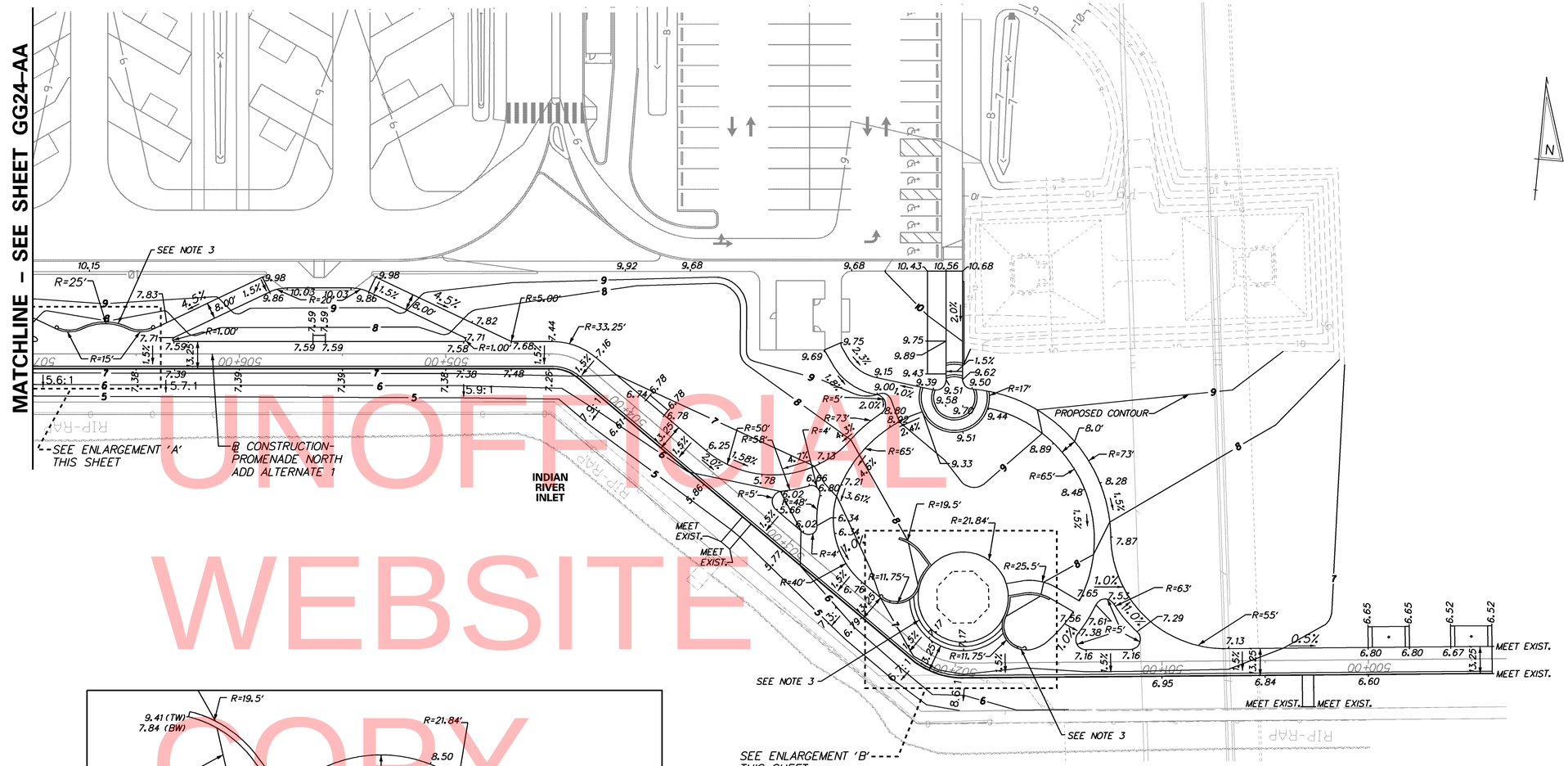
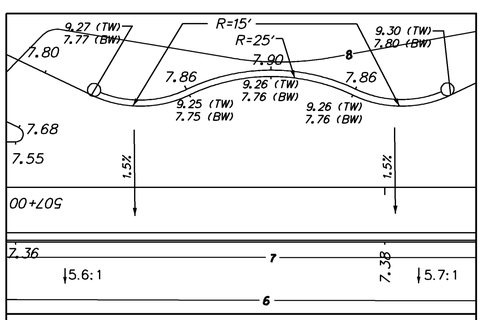


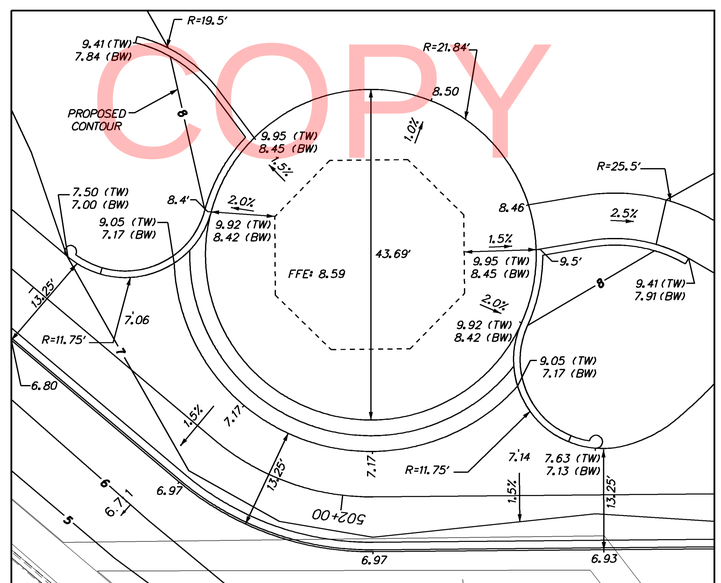
UNOFFICIAL WEBSITE COPY

NOTES:

1. UNLESS OTHERWISE NOTED, POINT GEOMETRY IS GIVEN TO EDGE OF PAVEMENT.
2. UNLESS OTHERWISE NOTED, RADII ARE GIVEN TO EDGE OF PAVEMENT.
3. ALL PROPOSED CONTOURS ARE SHOWN AT 1' INTERVALS.
4. PROPOSED CURB OR PAVEMENTS THAT TIE INTO EXISTING PAVEMENT OR EXISTING CURB SHALL MATCH THE EXISTING PAVEMENT OR CURB ELEVATIONS. POSITIVE DRAINAGE SHALL BE MAINTAINED.
5. EXISTING CONTOURS SHOWN AROUND AND UNDER BRIDGE ARE FROM CONTRACTS 26-073-01 AND 29-073-01.
6. SEE LANDSCAPE PLAN FOR STEP AND SEATWALL DETAILS.



ENLARGEMENT 'A' - SEATWALL
SCALE: 1" = 10'



ENLARGEMENT 'B' - BUILDING 7A
SCALE: 1" = 10'

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	INDIAN RIVER INLET PARK ENHANCEMENTS	CONTRACT T200507303	BRIDGE NO. X	GRADES AND GEOMETRICS GRADING PLAN (ADD ALTERNATE 1)
				COUNTY SUSSEX	DESIGNED BY: RK&K	
					CHECKED BY: RK&K	

	GG22-AA
SHEET NO.	65
TOTAL SHTS.	282

2/1/2013 1:53:41 PM
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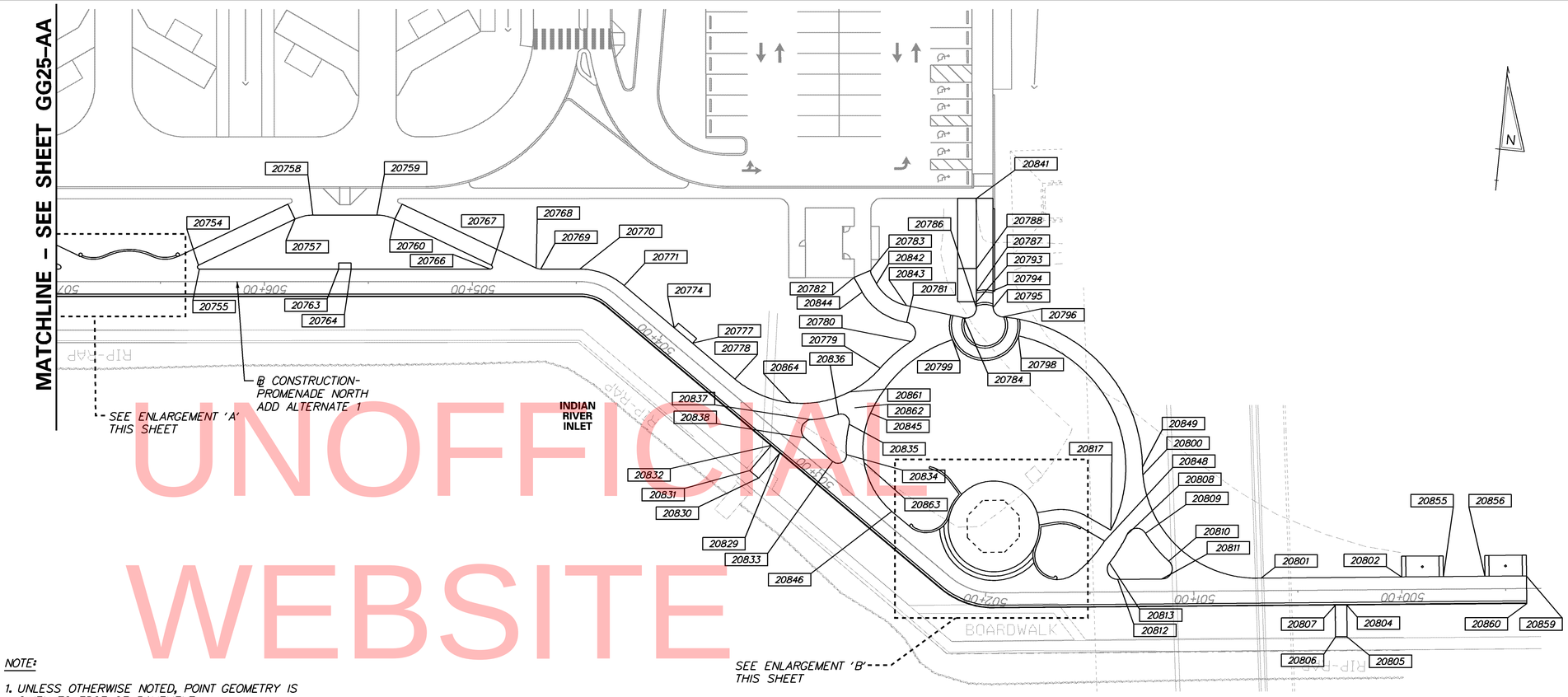
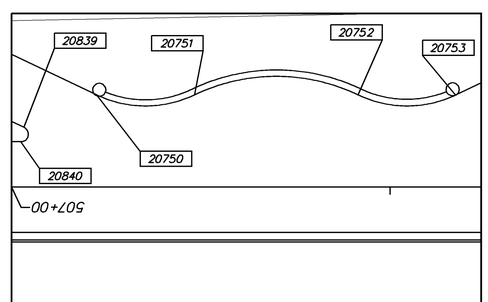
COORDINATE LIST			
POINT NO.	NORTHING	EASTING	ELEVATION
20750	222038.10	756459.41	7.76
20751	222039.38	756472.28	7.75
20752	222041.48	756493.75	7.76
20753	222042.74	756506.61	7.80
20754	222039.42	756516.59	7.71
20755	222037.56	756517.21	7.59
20757	222065.96	756560.60	9.86
20758	222068.73	756568.96	10.03
20759	222071.77	756599.63	10.03
20760	222070.67	756608.40	9.86
20763	222044.12	756583.90	7.59
20764	222044.70	756589.87	7.59
20766	222051.25	756656.54	7.58
20767	222053.19	756656.78	7.71
20768	222053.89	756678.39	7.68
20769	222053.61	756680.58	7.68
20770	222055.43	756699.12	7.44
20771	222049.73	756721.22	7.16
20774	222031.84	756747.27	6.78
20777	222025.29	756756.73	6.78
20778	222010.16	756778.70	6.25
20779	222022.14	756847.63	7.94
20780	222036.38	756861.13	8.80
20781	222045.27	756858.27	9.00
20782	222064.27	756830.86	9.63
20783	222068.52	756838.48	9.75
20784	222050.19	756885.39	9.39
20786	222055.65	756890.93	9.51
20787	222063.65	756890.14	9.67
20788	222074.32	756889.08	9.89
20793	222058.45	756890.65	9.57
20794	222064.43	756898.10	9.78
20795	222056.54	756898.88	9.51
20796	222052.41	756903.91	9.50
20798	222044.03	756912.37	9.44
20799	222039.12	756881.01	9.33
20800	221983.44	756978.47	7.81
20801	221939.44	757039.77	7.13
20802	221946.63	757107.16	6.80
20804	221930.64	757082.19	6.72
20805	221915.48	757083.79	MEET EXIST.
20806	221914.89	757078.28	MEET EXIST.
20807	221930.05	757076.67	6.75
20808	221954.28	756973.82	7.61
20809	221955.61	756982.48	7.53
20810	221943.37	756994.92	7.29
20811	221934.38	756992.47	7.16
20812	221932.13	756971.34	7.16
20813	221939.81	756966.61	7.38
20814	221955.32	756951.31	7.91
20815	221954.47	756931.16	8.45
20816	221960.79	756953.78	7.93
20817	221955.38	756965.75	7.65
20818	221962.16	756936.59	8.31
20819	221960.26	756929.59	8.46
20820	221965.57	756892.65	8.45
20821	221976.51	756875.82	7.84
20823	221947.51	756869.70	7.00
20824	221948.05	756883.75	7.17
20825	221936.32	756930.48	7.17
20826	221929.13	756941.52	7.13
20829	221976.85	756803.72	5.37
20830	221963.82	756794.68	MEET EXIST.
20831	221966.97	756790.11	MEET EXIST.
20832	221980.00	756799.15	5.37
20833	221975.25	756829.41	6.02
20834	221979.19	756835.63	6.34
20835	221993.81	756835.50	6.80
20836	221998.06	756829.96	6.66



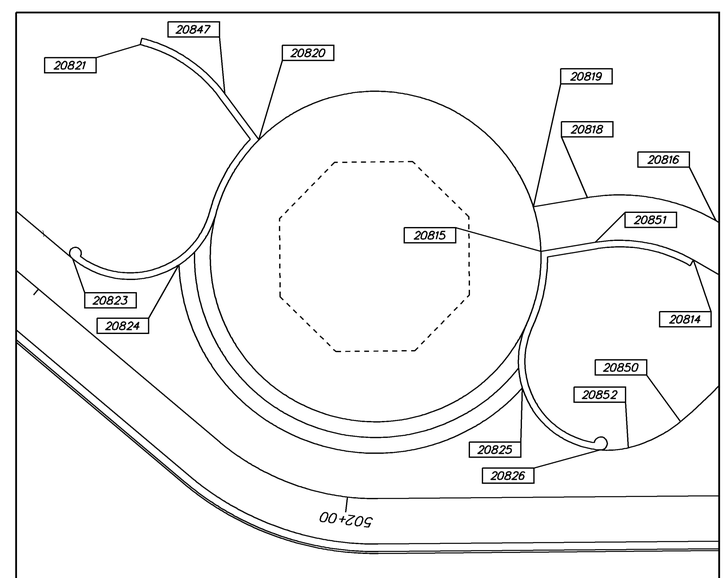
NOTE:

1. UNLESS OTHERWISE NOTED, POINT GEOMETRY IS GIVEN TO EDGE OF PAVEMENT.

COORDINATE LIST			
POINT NO.	NORTHING	EASTING	ELEVATION
20837	221994.20	756816.99	6.02
20838	221985.16	756815.01	5.66
20839	222032.90	756450.27	7.68
20840	222030.96	756450.03	7.55
20841	222108.03	756885.75	10.56
20842	222062.40	756842.05	9.57
20843	222053.36	756857.44	9.15
20844	222057.74	756835.55	9.48
20845	222000.09	756845.23	7.21
20846	221954.18	756860.01	6.76
20847	221971.16	756887.58	8.10
20848	221949.94	756963.22	7.56
20849	221987.15	756977.89	7.87
20850	221933.94	756951.73	7.26
20851	221956.37	756938.17	8.27
20852	221929.79	756945.19	7.14
20855	221948.75	757127.04	6.80
20856	221950.88	757146.93	6.67
20859	221953.00	757166.82	MEET EXIST.
20860	221939.83	757168.22	MEET EXIST.
20861	222009.23	756833.89	7.13
20862	222001.92	756837.41	7.05
20863	221976.23	756844.45	6.34
20864	222001.35	756806.73	5.78



ENLARGEMENT 'A' - SEATWALL
SCALE: 1" = 10'



ENLARGEMENT 'B' - BUILDING 7A
SCALE: 1" = 10'

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DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 30 60 90 FEET

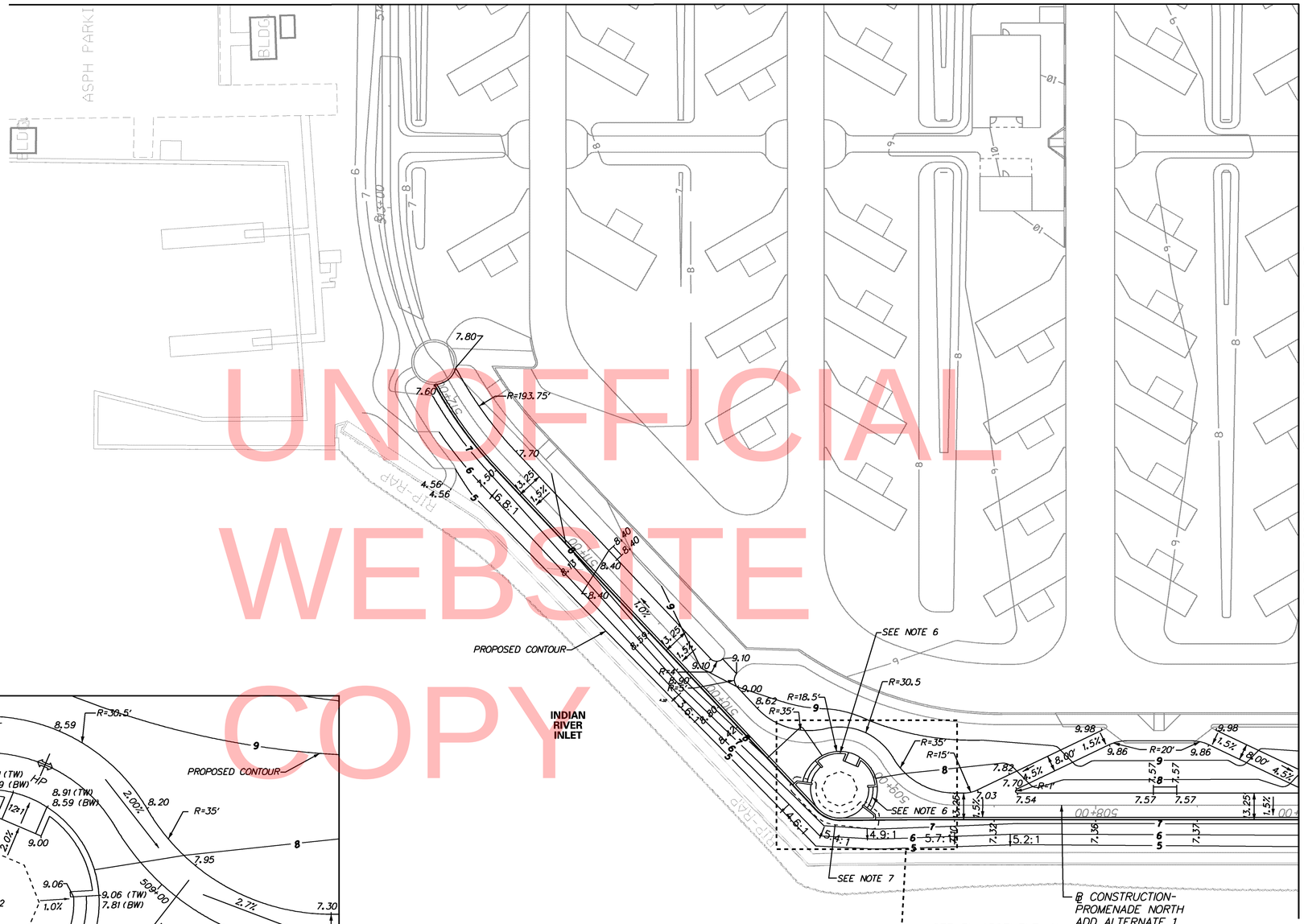
INDIAN RIVER INLET PARK ENHANCEMENTS

CONTRACT	BRIDGE NO.	X
T200507303	DESIGNED BY: RK&K	
COUNTY		
SUSSEX	CHECKED BY: RK&K	

GRADES AND GEOMETRICS STAKEOUT PLAN (ADD ALTERNATE 1)

GG23-AA
SHEET NO. 66
TOTAL SHTS. 282

MATCHLINE – SEE SHEET GG27-AA



MATCHLINE – SEE SHEET GG22-AA

N

NOTES:

1. UNLESS OTHERWISE NOTED, POINT GEOMETRY IS GIVEN TO EDGE OF PAVEMENT.
2. UNLESS OTHERWISE NOTED, RADII ARE GIVEN TO EDGE OF PAVEMENT.
3. ALL PROPOSED CONTOURS ARE SHOWN AT 1' INTERVALS.
4. PROPOSED CURB OR PAVEMENTS THAT TIE INTO EXISTING PAVEMENT OR EXISTING CURB SHALL MATCH THE EXISTING PAVEMENT OR CURB ELEVATIONS. POSITIVE DRAINAGE SHALL BE MAINTAINED.
5. EXISTING CONTOURS SHOWN AROUND AND UNDER BRIDGE ARE FROM CONTRACTS 26-073-01 AND 29-073-01.
6. SEE LANDSCAPE PLAN FOR STEP AND SEATWALL DETAILS.
7. SEE CONSTRUCTION DETAIL (ADD ALTERNATE) FOR EXTENDED HAUNCH DETAIL.

UNOFFICIAL WEBSITE COPY

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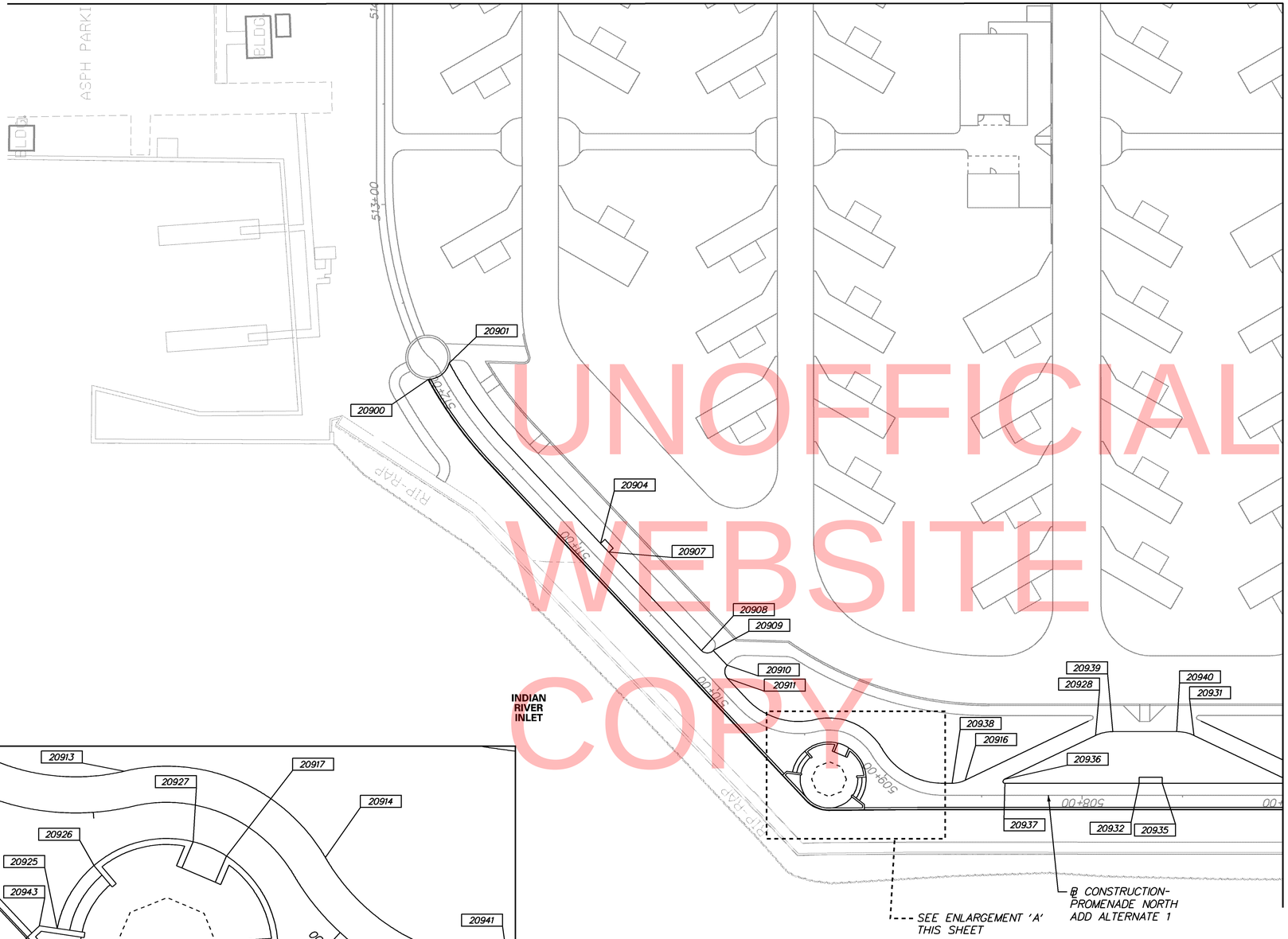
DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	INDIAN RIVER INLET PARK ENHANCEMENTS	CONTRACT T200507303	BRIDGE NO. X	GRADES AND GEOMETRICS GRADING PLAN (ADD ALTERNATE 1)	GG24-AA
				COUNTY SUSSEX	DESIGNED BY: RK&K		SHEET NO. 67
					CHECKED BY: RK&K		TOTAL SHTS. 282

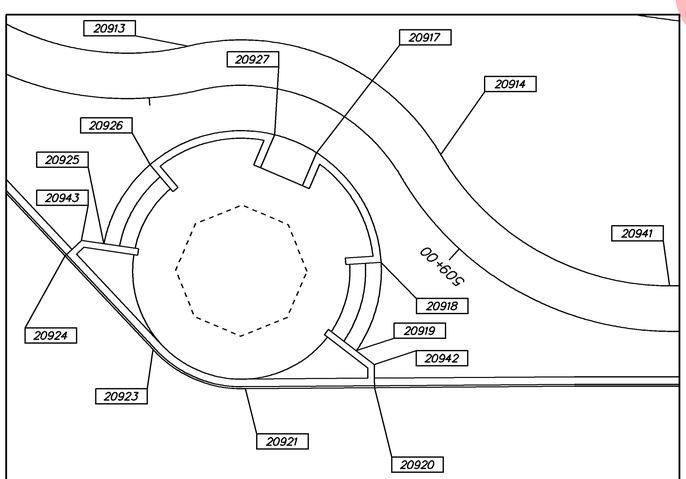
MATCHLINE – SEE SHEET GG27-AA



MATCHLINE – SEE SHEET GG23-AA

UNOFFICIAL WEBSITE COPY

COORDINATE LIST			
POINT NO.	NORTHING	EASTING	ELEVATION
20900	222189.49	756005.50	7.60
20901	222198.76	756015.23	7.80
20904	222116.61	756099.02	8.40
20907	222112.66	756103.54	8.40
20908	222068.38	756154.19	9.10
20909	222068.98	756160.01	9.10
20910	222062.43	756167.56	9.10
20911	222055.88	756168.48	9.00
20913	222039.60	756213.76	8.20
20914	222028.62	756248.37	8.20
20916	222016.85	756291.14	7.03
20917	222027.26	756232.01	8.59
20918	222013.64	756241.93	7.81
20919	222001.73	756239.80	7.78
20920	221997.08	756242.67	7.65
20921	221995.29	756225.70	7.75
20923	221999.28	756213.08	7.75
20924	222010.46	756200.30	7.64
20925	222012.53	756205.24	7.78
20926	222023.54	756210.28	7.81
20927	222029.06	756226.29	8.59
20928	222045.36	756353.55	9.86
20931	222050.21	756402.39	9.86
20932	222023.84	756377.52	7.57
20935	222024.97	756388.97	7.57
20936	222019.15	756310.36	7.70
20937	222017.30	756310.98	7.54
20938	222014.74	756284.81	7.19
20939	222048.17	756361.95	10.03
20940	222051.30	756393.62	10.03
20941	222014.29	756280.14	7.30
20942	222000.14	756242.35	7.71
20943	222012.68	756202.24	7.71



ENLARGEMENT 'A' - BUILDING 7B
SCALE: 1" = 10'

NOTE:

1. UNLESS OTHERWISE NOTED, POINT GEOMETRY IS GIVEN TO EDGE OF PAVEMENT.

1/31/2013 1:53:25 PM
\\BALSRV02\V2009\09020_IRP\CADD\CONTRACTNUMBER\PLANS\CP_GG25_AA_IRP.DGN

DELAWARE
DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

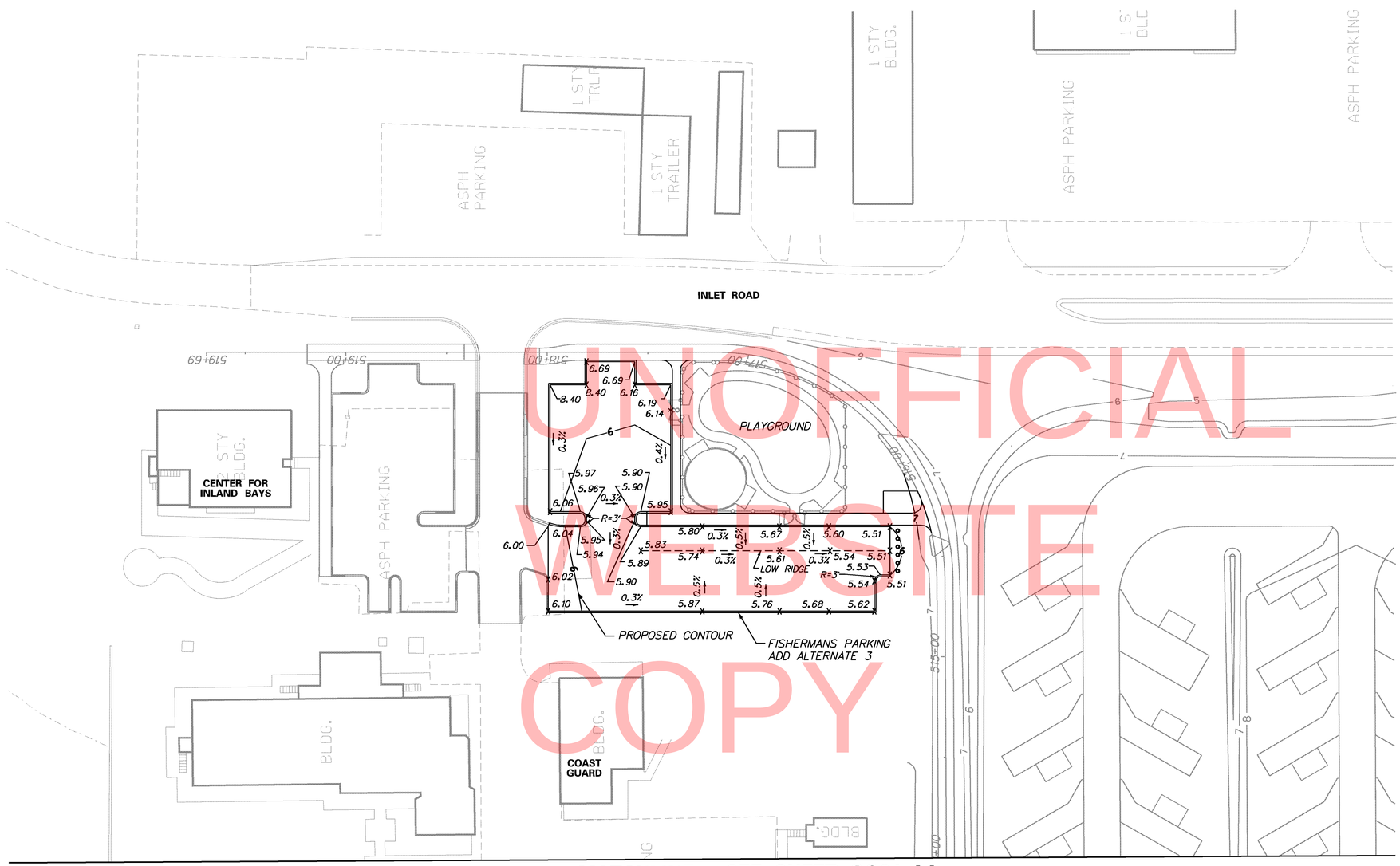
SCALE
0 30 60 90
FEET

INDIAN RIVER INLET
PARK ENHANCEMENTS

CONTRACT	BRIDGE NO.	X
T200507303	DESIGNED BY: RK&K	
COUNTY		
SUSSEX	CHECKED BY: RK&K	

GRADES AND GEOMETRICS
STAKEOUT PLAN
(ADD ALTERNATE 1)

GG25-AA
SHEET NO.
68
TOTAL SHTS.
282



UNOFFICIAL WEBSITE COPY

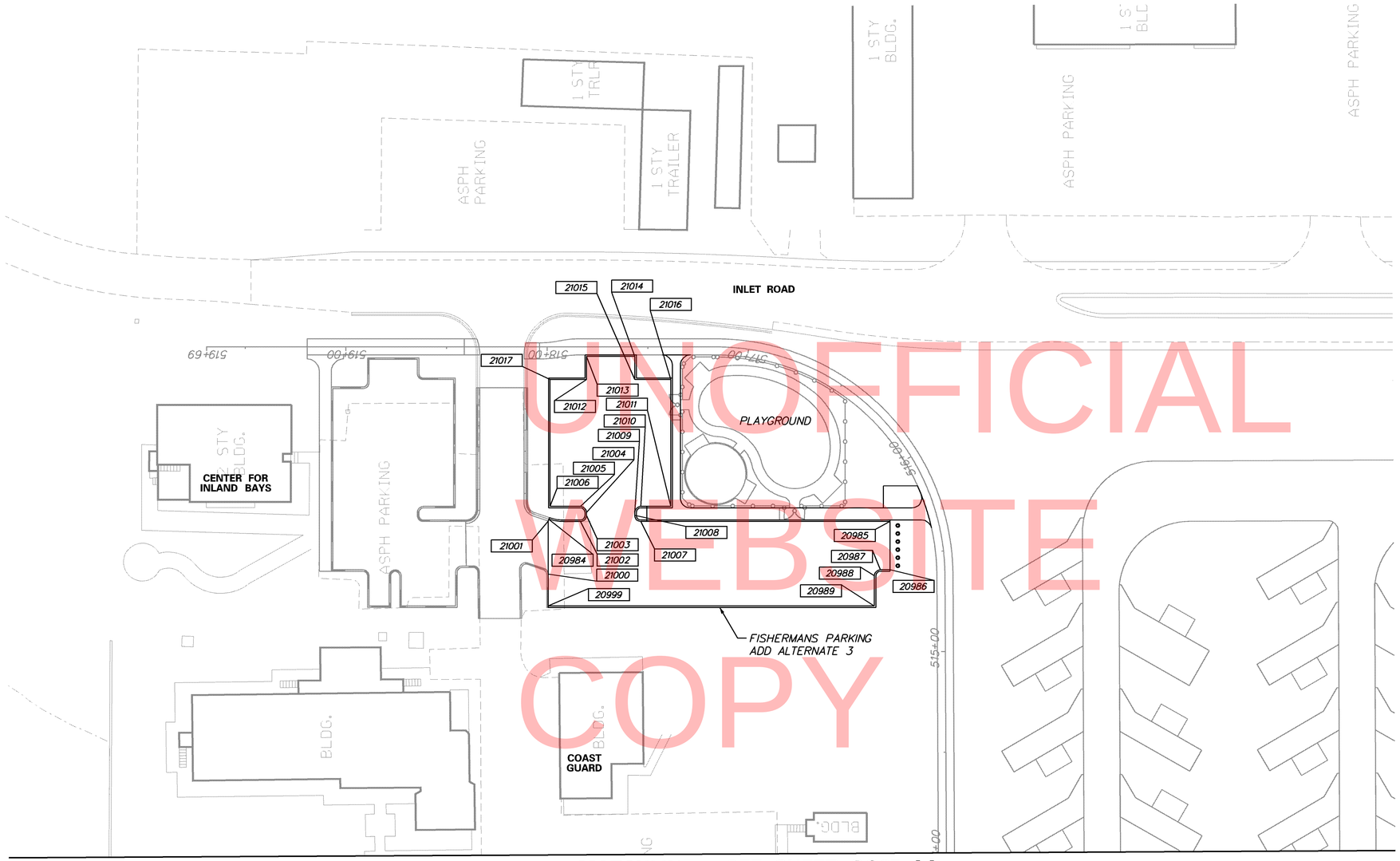
MATCHLINE – SEE SHEET GG24–AA

NOTES:

1. UNLESS OTHERWISE NOTED, POINT GEOMETRY IS GIVEN TO EDGE OF PAVEMENT.
2. UNLESS OTHERWISE NOTED, RADII ARE GIVEN TO EDGE OF PAVEMENT.
3. ALL PROPOSED CONTOURS ARE SHOWN AT 1' INTERVALS.
4. PROPOSED CURB OR PAVEMENTS THAT TIE INTO EXISTING PAVEMENT OR EXISTING CURB SHALL MATCH THE EXISTING PAVEMENT OR CURB ELEVATIONS. POSITIVE DRAINAGE SHALL BE MAINTAINED.

8/3/2012 5:52:26 PM
\\RKMV\2009\2009\09020_IRP\CADD\CONTRACTNUMBER\PLANS\CP_GG13_AA_IRP.DGN

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	INDIAN RIVER INLET PARK ENHANCEMENTS	CONTRACT T200507303	BRIDGE NO. X	GRADES AND GEOMETRICS GRADING PLAN (ADD ALTERNATE 3)	GG26-AA
				COUNTY SUSSEX	DESIGNED BY: RK&K		SHEET NO. 69
					CHECKED BY: RK&K		TOTAL SHTS. 282



UNOFFICIAL WEBSITE
COPY

MATCHLINE – SEE SHEET GG25–AA

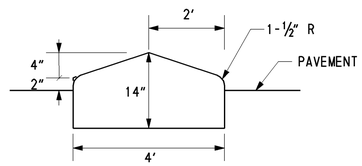
COORDINATE LIST			
POINT NO.	NORTHING	EASTING	ELEVATION
20984	222520.33	755753.63	6.04
20985	222534.96	755922.43	5.51
20986	222510.99	755923.92	5.51
20987	222510.62	755919.94	5.53
20988	222507.35	755917.24	5.54
20989	222492.42	755918.64	5.62
20999	222477.30	755757.34	6.10
21000	222493.07	755755.86	6.02
21001	222519.36	755753.40	6.00
21002	222520.61	755769.35	5.94
21003	222523.88	755772.06	5.95
21004	222525.37	755771.92	5.96
21005	222528.08	755768.65	5.97
21006	222526.67	755753.64	6.06
21007	222523.41	755799.22	5.89
21008	222526.12	755795.96	5.90
21009	222527.61	755795.82	5.90
21010	222530.88	755798.52	5.90
21011	222532.27	755813.37	5.95
21012	222591.08	755765.76	6.16
21013	222602.53	755764.69	6.69
21014	222604.77	755788.58	6.69
21015	222593.32	755789.66	6.16
21016	222594.99	755807.49	6.19
21017	222589.39	755747.76	6.25

NOTES:

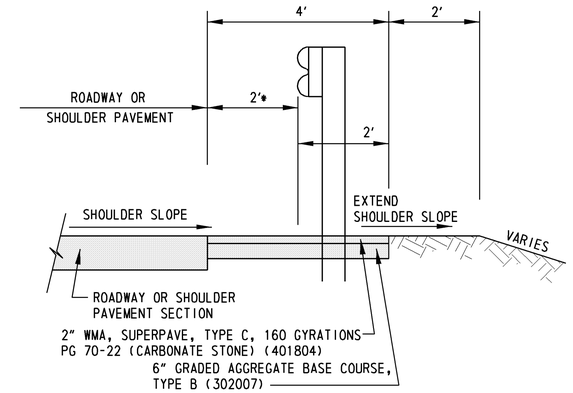
1. UNLESS OTHERWISE NOTED, POINT GEOMETRY IS GIVEN TO EDGE OF PAVEMENT.

8/3/2012 5:52:26 PM
\\RKMN\2009\2009\09020_IRP\CADD\CONTRACTNUMBER\PLANS\CP_GG13_AA_IRP.DGN

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 30 60 90 FEET	INDIAN RIVER INLET PARK ENHANCEMENTS	CONTRACT T200507303	BRIDGE NO. X	GRADES AND GEOMETRICS STAKEOUT PLAN (ADD ALTERNATE 3)	GG27-AA
				COUNTY SUSSEX	DESIGNED BY: RK&K		SHEET NO. 70
					CHECKED BY: RK&K		TOTAL SHTS. 282



P.C.C. MONOLITHIC MEDIAN (701026)



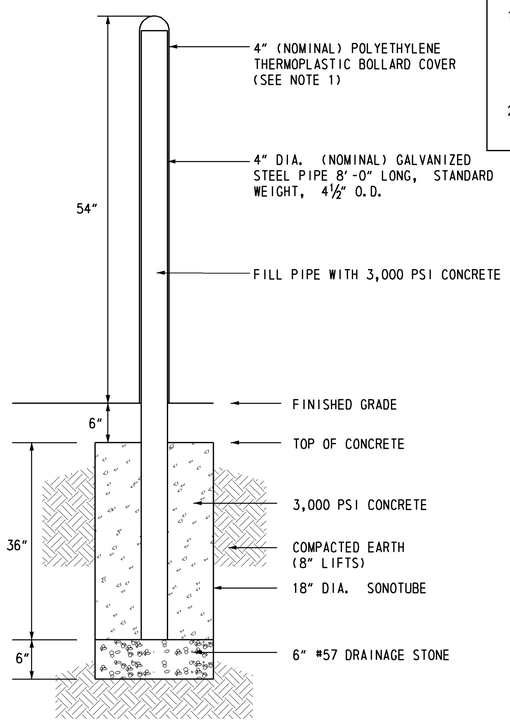
*DIMENSION TO SHOULDER SHALL BE 2' UNLESS OTHERWISE NOTED ON THE PLANS. DIMENSION TO FACE OF CURB SHALL BE 6' UNLESS OTHERWISE NOTED ON THE PLANS.

NOTE:
GUARDRAIL CONSTRUCTION LOCATIONS ARE SHOWN ON THE PLAN SHEETS. MAINTENANCE PAVEMENT SHALL BE CONSTRUCTED WITH ALL GUARDRAIL LOCATIONS UNLESS OTHERWISE NOTED ON THE PLANS.

MAINTENANCE PAVEMENT SECTION

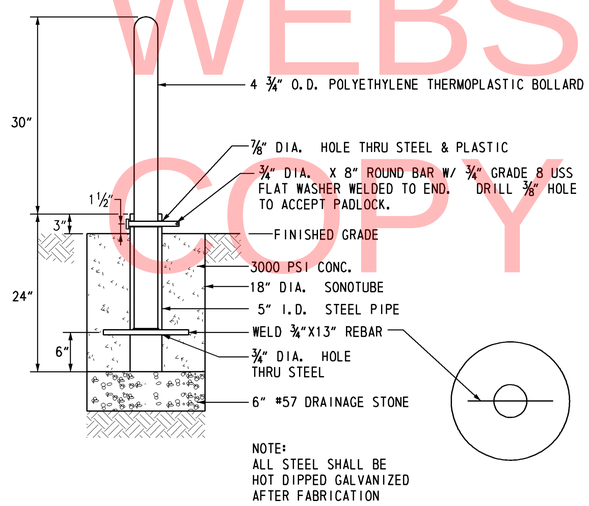
BOLLARD NOTES:

1. FIXED BOLLARD COVER SHALL BE INSTALLED BY SLIDING OVER AND ATTACHING TO STEEL PIPE UTILIZING 2-SIDED TAPE PROVIDED BY THE BOLLARD COVER MANUFACTURER IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. TAPE SHALL BE WRAPPED AROUND THE CIRCUMFERENCE OF THE STEEL PIPE AT THREE LOCATIONS: AT TOP JUST BELOW DOME, IN MIDDLE, AND AT BOTTOM.
2. SEE CONSTRUCTION PLANS FOR BOLLARD LAYOUT AT VARIOUS SITE BUILDINGS, CONTACT STATIONS, AND SIDEWALKS.



SECTION

FIXED BOLLARD



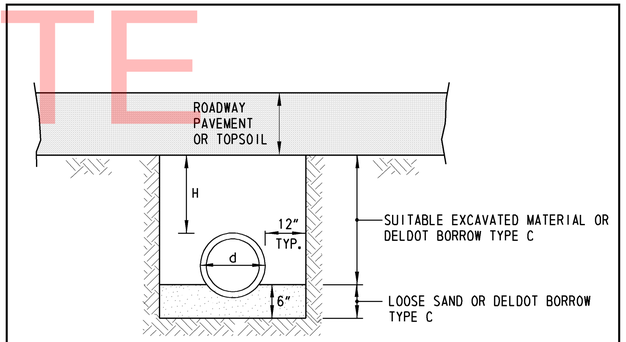
NOTE:
ALL STEEL SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION

SECTION

PLAN VIEW

REMOVABLE BOLLARD

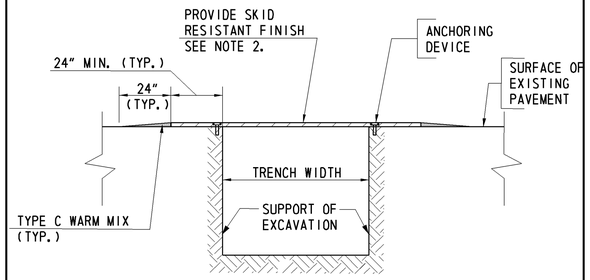
BOLLARD DETAILS (720556)



PIPE TRENCH NOTES:

1. EXCAVATION AND BACKFILL SHALL BE IN ACCORDANCE WITH SECTION 208.
2. THE ENGINEER SHALL DETERMINE WHAT PORTION, IF ANY, OF THE EXCAVATED MATERIAL IS SUITABLE FOR BORROW TYPE C OR TYPE F.
3. COMPACTION WITHIN EXISTING OR PROPOSED PAVEMENT AND SHOULDER AREAS SHALL MEET OR EXCEED 95%. ALL OTHER AREAS SHALL BE 90% OR MORE.
4. ALL DIMENSIONS ARE TO THE OUTSIDE WALL OF PIPES.
5. WHERE A STEEL PLATE IS USED WITH A PIPE TRENCH DETAIL, THE LIMITS OF WARM MIX, TYPE C, PATCHING SHALL BE MODIFIED AS SHOWN ON THE STEEL PLATE DETAIL.
6. FOR INSTALLATION OF LIGHTING CONDUIT, INSTALL MARKING TAPE A MINIMUM OF 6" BENEATH FINISHED GRADE. PAYMENT TO BE INCIDENTAL TO THE LIGHTING CONDUIT ITEM BEING INSTALLED.

PIPE/CONDUIT TRENCH DETAIL

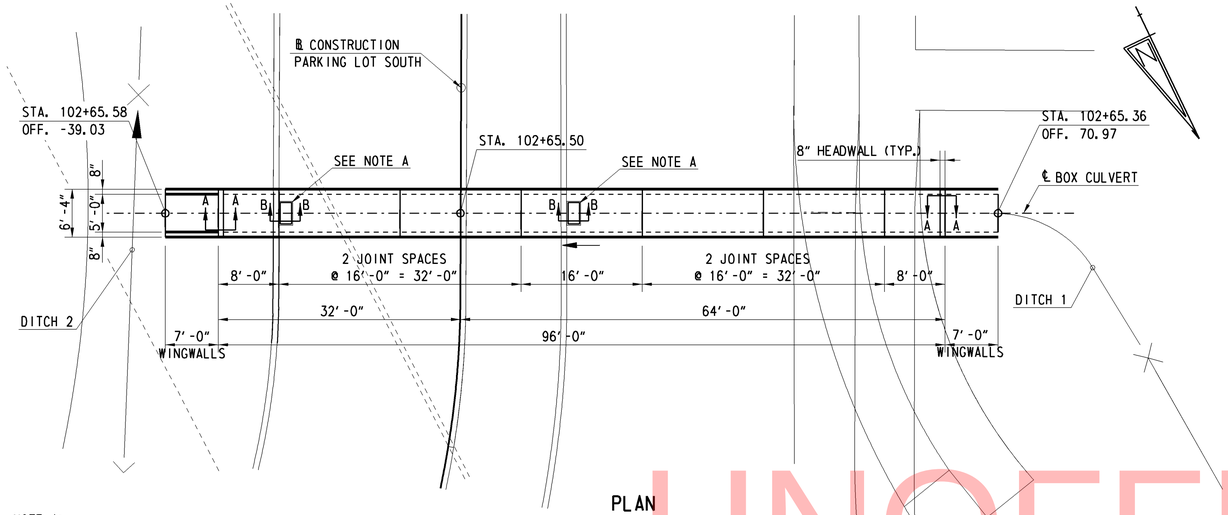


STEEL PLATE NOTES:

1. TO MAINTAIN TRAFFIC AND SAFETY, STEEL PLATES SHALL BE PERMITTED TO TEMPORARILY BRIDGE TRENCH EXCAVATIONS. THE STEEL PLATES SHALL BE OF SIZE TO ADEQUATELY CARRY A LOADING OF HS25 WITHOUT DETRIMENTAL DEFLECTION AS DETERMINED BY THE ENGINEER. SHOP DRAWINGS, INCLUDING DESIGN AND DETAILS, SHALL BE PREPARED AND SIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN DELAWARE, AND SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO FURNISHING PLATES TO THE PROJECT SITE. THE SHOP DRAWINGS SHALL INCLUDE PLATE THICKNESS, METHOD OF FASTENING PLATES, SPAN, BEARING, SUPPORT OF EXCAVATION METHOD (E.G. SHEETING, SHORING, BRACING, ETC.), AND METHOD OF PREVENTING MOVEMENT OF PLATES. THE PLATES SHALL BE FITTED IN PLACE IN A MANNER TO MINIMIZE NOISE WHEN CROSSED BY TRAFFIC.
2. ALL PLATING USED TO COVER EXCAVATED AREAS SHALL BE ETCHED AND/OR ABRASIVELY COATED TO REDUCE THE EXTENT OF VEHICLE SLIDING UPON BRAKE APPLICATION. METHOD(S) OF ACHIEVING PLATE ABRASIVE TEXTURE SHALL BE SUBMITTED FOR THE ENGINEER'S APPROVAL PRIOR TO FURNISHING PLATES TO THE PROJECT SITE.
3. STEEL PLATES SHALL NOT BE USED DECEMBER THROUGH MARCH.
4. THE COST OF FURNISHING, PLACING, MAINTAINING AND REMOVING THE PLATES, THE LABOR, TOOLS, EQUIPMENT, AND HOT-MIX NECESSARY TO COMPLETE THE WORK SHALL BE INCIDENTAL TO THE PIPE OR UTILITY ITEM BEING INSTALLED.

STEEL PLATE DETAIL

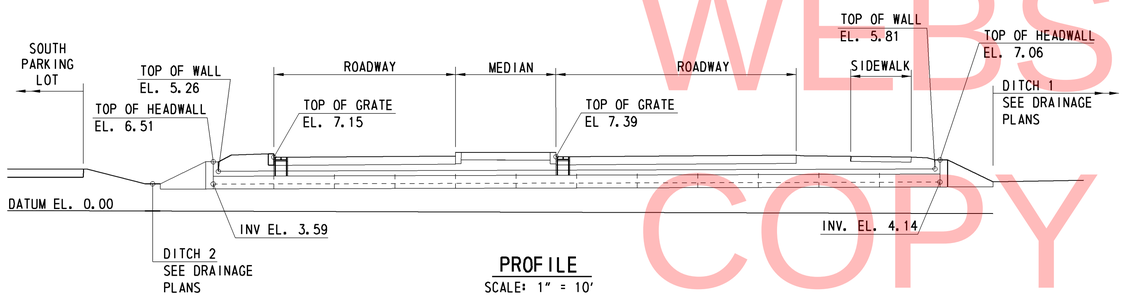
UNOFFICIAL WEBSITE COPY



PLAN

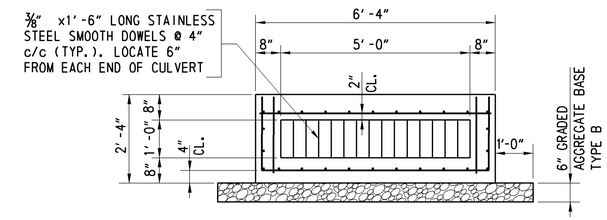
SCALE: 1" = 10'

NOTE A:
INSTALL GRATE AND FRAME ON MORTAR SETTING BED AS REQUIRED TO ACHIEVE FINISHED GRADE AT GUTTER LINE. PROVIDE 34" x 18" OPENING IN TOP OF CULVERT AT INLET GRATE LOCATION. SEE DETAIL. COST OF FRAME, GRATE AND CURB HEAD SHALL BE INCIDENTAL TO ITEM 602510. USE TYPE B DRAINAGE INLET TOP UNIT MODIFIED FOR A 6" HIGH CURB AND THE PARKING LOT GRADES.



PROFILE

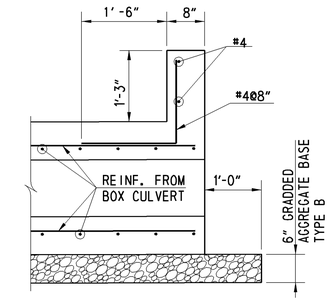
SCALE: 1" = 10'



NOTE:
ALL REINFORCING SHALL BE #6 @ 8" - EPOXY COATED.

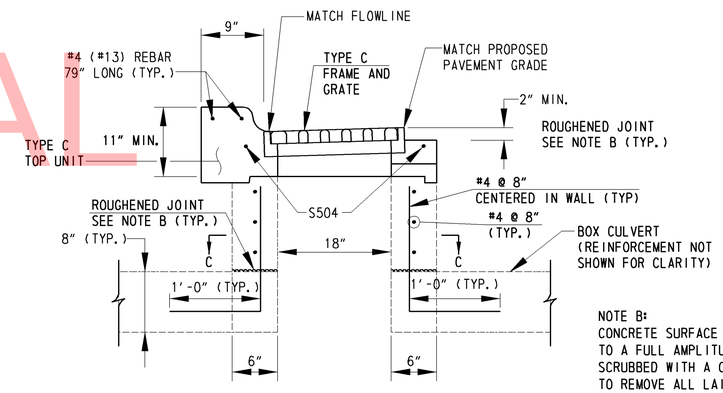
TYPICAL CULVERT SECTION

SCALE: 1/2" = 1'-0"



SECTION A-A

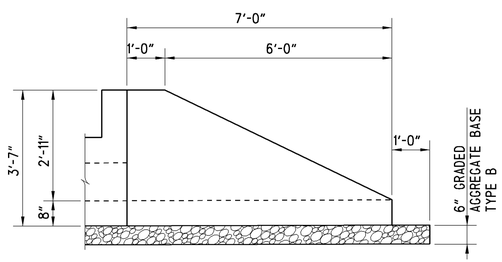
SCALE: 3/4" = 1'-0"



SECTION B-B

SCALE: 3/4" = 1'-0"

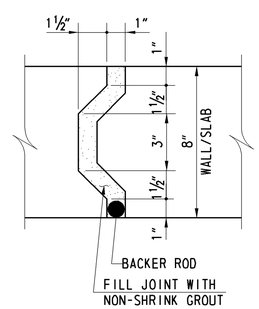
NOTE B:
CONCRETE SURFACE SHALL BE ROUGHENED TO A FULL AMPLITUDE OF 1/4" AND SCRUBBED WITH A COARSE WIRE BRUSH TO REMOVE ALL LAITANCE AND PROVIDE A ROUGHENED SURFACE FOR BONDING NEW CONCRETE TO EXISTING CONCRETE.



NOTE:
WINGWALL REINFORCING SHALL BE SIMILAR TO CULVERT BUT WITHOUT A TOP SLAB.

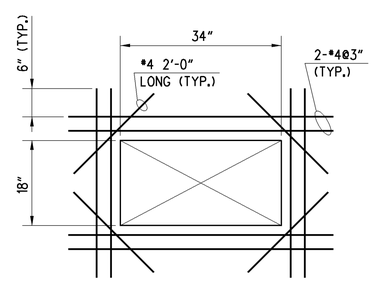
WINGWALL ELEVATION

SCALE: 1/2" = 1'-0"



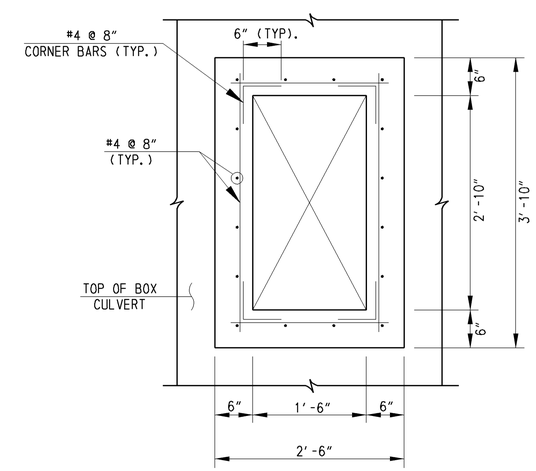
CULVERT JOINT DETAIL

SCALE: 3" = 1'-0"



REINFORCING DETAIL AT GRATE OPENING

SCALE: 3/4" = 1'-0"



SECTION C-C

SCALE: 3/4" = 1'-0"

BOX CULVERT - 5' WIDE X 1' DEEP

NOTE:
CULVERT SHALL BE PAID FOR PER LUMP SUM USING ITEM (602510).

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DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE AS NOTED	INDIAN RIVER INLET PARK ENHANCEMENTS	CONTRACT T200507303 / COUNTY SUSSEX	BRIDGE NO. X / DESIGNED BY: RK&K / CHECKED BY: RK&K	CONSTRUCTION DETAILS (BASE BID)	DT02-BB / SHEET NO. 72 / TOTAL SHTS. 282

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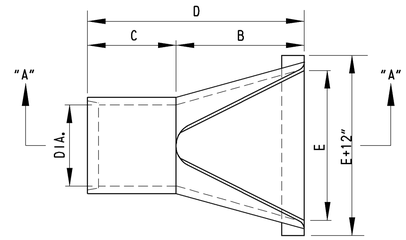
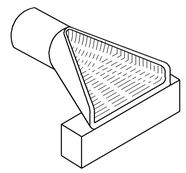
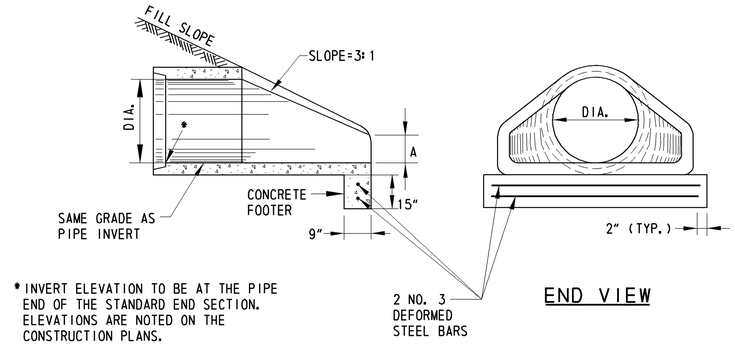


PLAN



ISOMETRIC VIEW



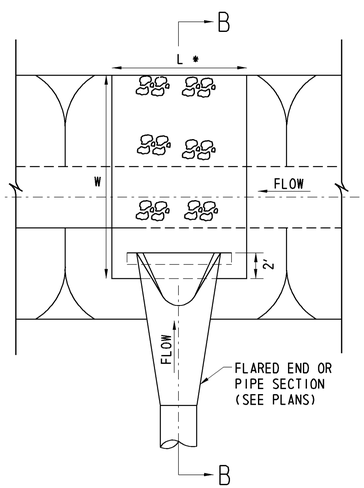
* INVERT ELEVATION TO BE AT THE PIPE END OF THE STANDARD END SECTION. ELEVATIONS ARE NOTED ON THE CONSTRUCTION PLANS.

SECTION A-A

END VIEW

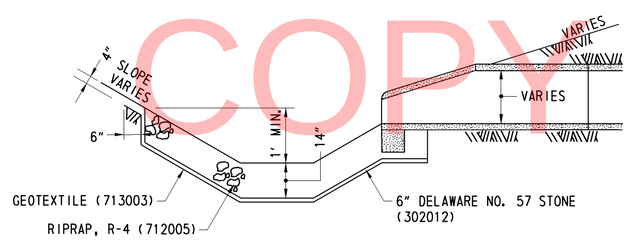
DIAMETER	A	B	C	D	E
15"	6"	2'-3"	3'-10"	6'-1"	2'-6"
18"	9"	2'-3"	3'-10"	6'-1"	3'-0"
24"	9 1/2"	3'-7 1/2"	2'-6"	6'-1 1/2"	4'-0"

CONCRETE FLARED END SECTION



PLAN

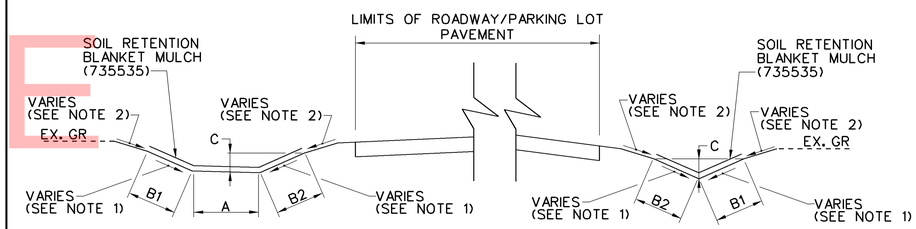
* L IS THE LINED DITCH LENGTH, MEASURED ALONG DITCH CENTERLINE.



SECTION B-B

NOTE: SEE DRAINAGE PLANS FOR R4 RIPRAP SCHEDULES.

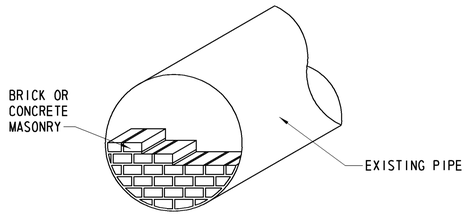
R-4 RIPRAP DITCH OUTFALL



NOTE:

1. SEE DRAINAGE PLANS FOR DITCH TYPE, WIDTH, SIDE SLOPES, AND DEPTH.
2. SEE GRADES AND GEOMETRICS - GRADING PLAN FOR SIDE SLOPES BETWEEN PROPOSED PARKING LOT/ROAD/EXISTING GROUND TO THE TOP OF THE PROPOSED DITCH SIDE SLOPE.

DITCH LINING DETAIL



NOTE: PIPE OPENINGS 24" IN DIAMETER AND SMALLER SHALL BE PLUGGED WITH A BRICK OR CONCRETE MASONRY BULKHEAD OF 8" MINIMUM THICKNESS. PIPE OPENINGS LARGER THAN 24" SHALL BE PLUGGED WITH A BRICK OR CONCRETE MASONRY BULKHEAD OF 12" MINIMUM THICKNESS. PAYMENT SHALL BE INCLUDED IN ITEM 202000.

PLUG EXISTING PIPE

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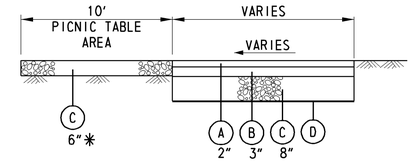
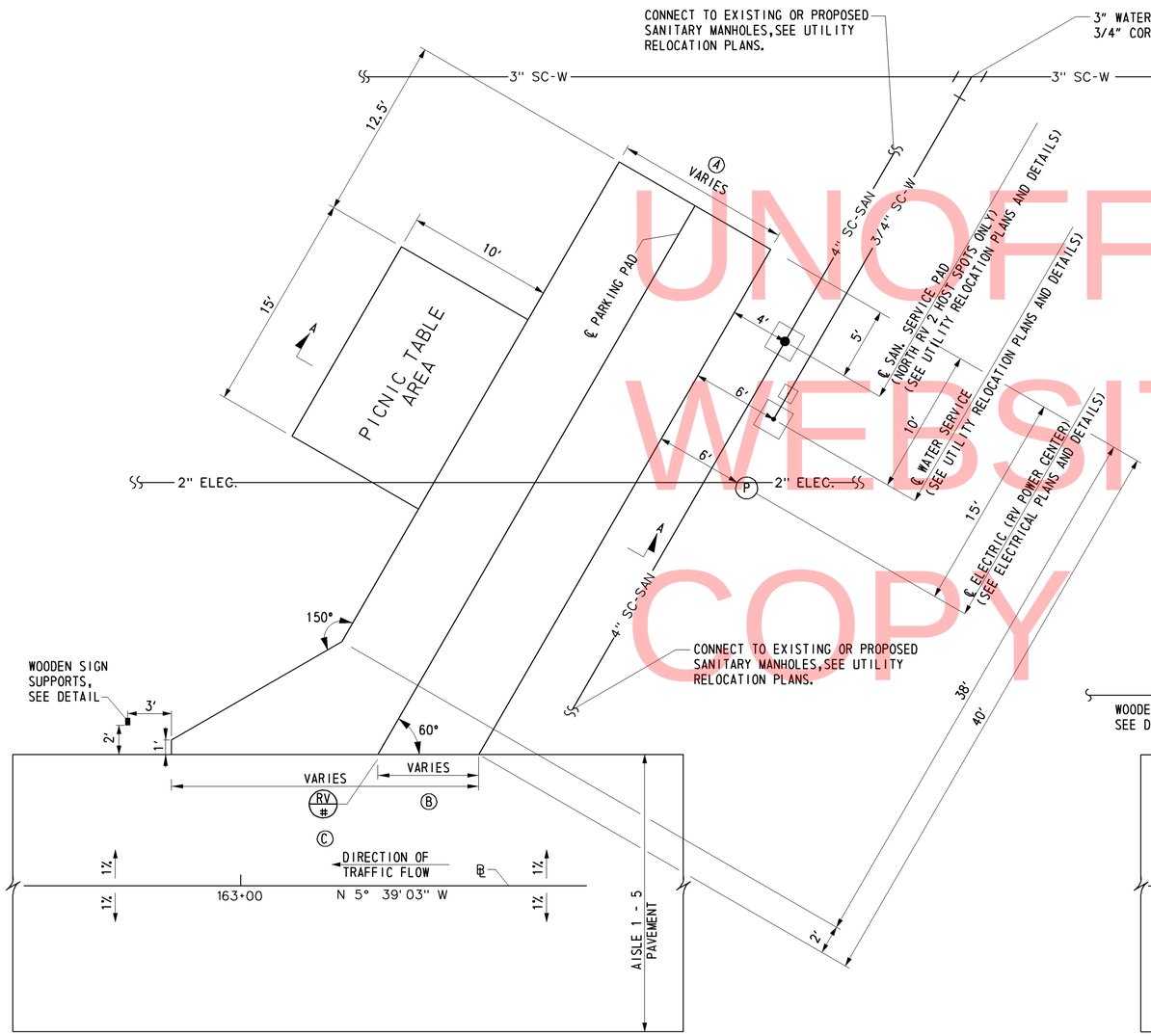


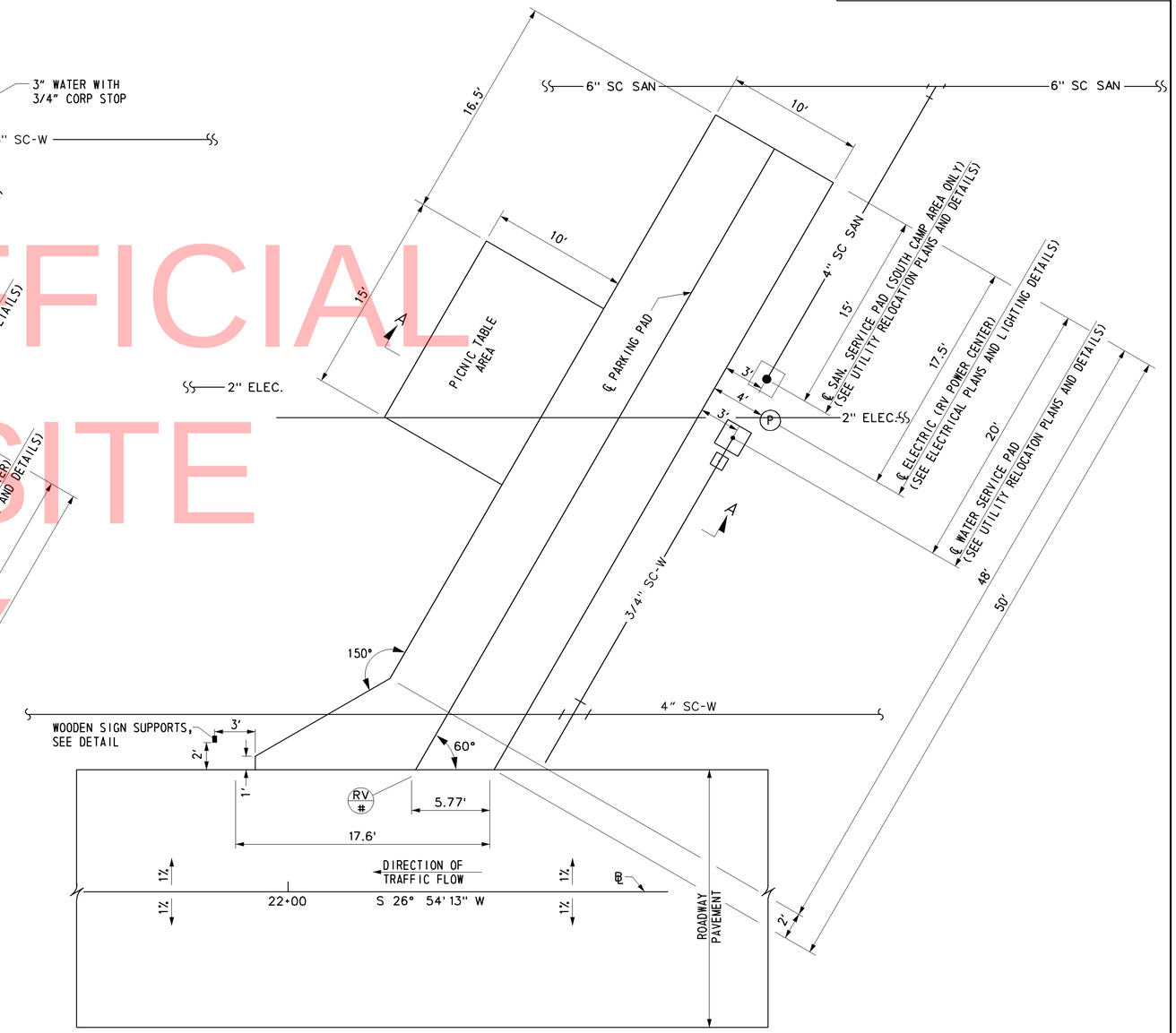
✱FOR ALL NORTH RV LOT ADA ACCESSIBLE SPOTS THE PICNIC TABLE AREA WILL BE CHOKED WITH 1.5" STONE DUST ROLLED INTO GRADDED AGGREGATE.

RV PAD TYPICAL SECTION

LEGEND

- (A) ITEM 401804 - WMA, TYPE C, 160 GYRATIONS, PG 70-22 (CARBONATE STONE)
- (B) ITEM 401813 - WMA, TYPE B, 160 GYRATIONS, PG 70-22
- (C) ITEM 302007 - GRADED AGGREGATE BASE COURSE, TYPE B
- (D) ITEM 713002 - GEOTEXTILE, SEPARATION





NORTH RV LOT

TYPE	DIMENSIONS		
	A	B	C
1	12'	6.93'	21.05'
2 **	20'	11.5'	30.28'

** ADA ACCESSIBLE

NORTH RV LOT
PAD TYPE 1 & 2

SOUTH RV LOT
PAD TYPE 3

RV SPACE DETAILS

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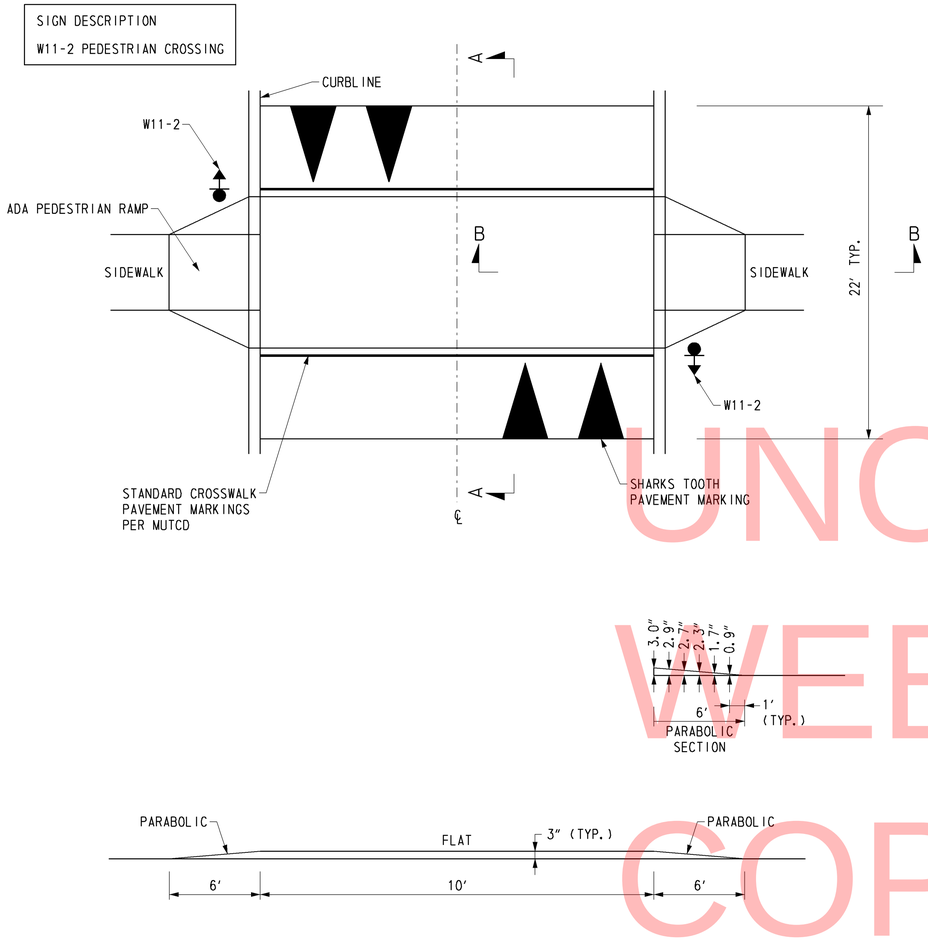
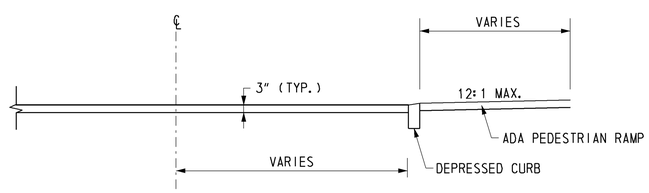
\\BALSRV02\V2009\2009\09020_IRP\CADD\CONTRACTNUMBER\PLANS\DT04_BB_IRP.DGN

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	NOT TO SCALE	INDIAN RIVER INLET PARK ENHANCEMENTS	CONTRACT T200507303	BRIDGE NO. X	CONSTRUCTION DETAILS (BASE BID)
				COUNTY SUSSEX	DESIGNED BY: RK&K	
					CHECKED BY: RK&K	

DT04-BB
SHEET NO. 74
TOTAL SHTS. 282

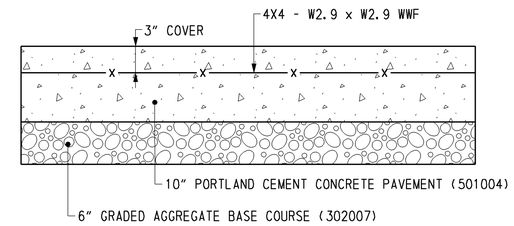


SECTION A-A



SECTION B-B

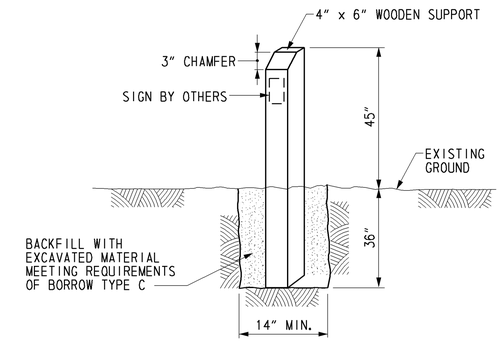
TYPICAL RAISED CROSSWALK



NOTE: 4X4 WWF SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN ITEM 501004.

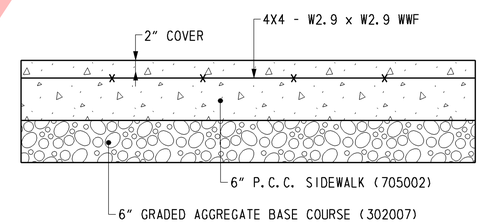
DUMP STATION AND DUMPSTER PAD PAVING DETAIL

N.T.S.



WOODEN SIGN SUPPORTS, 4"x6" (743539)
(RV SPOT AND TENT CAMPGROUND SPACE MARKERS)

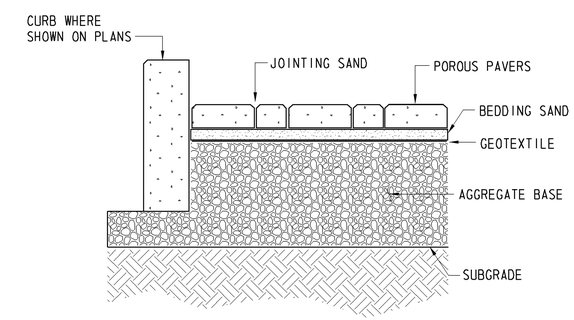
N.T.S.



NOTE: 4X4 WWF SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN ITEM 705002.

BUS STOP PAD PAVING DETAIL

N.T.S.



POROUS FLEXIBLE PAVEMENT (401510)

N.T.S.

NOTE:
THE DETAIL FOR POROUS FLEXIBLE PAVEMENT IS SHOWN FOR GENERAL GUIDANCE. THE SPECIFIC DETAILS OF THE SYSTEM SHALL BE PER THE SPECIFIC MANUFACTURER'S SPECIFICATIONS. THE SUPPORT SYSTEM FOR POUROUS FLEXIBLE PAVEMENT SHALL BE:
1. TURF PAVERS - MANUFACTURED BY E.P. HENRY CORP.
2. GEOBLOCK - MANUFACTURED BY PRESTO PRODUCTS CO.
3. UNI-ECHO STONE - MANUFACTURED BY UNILOCK
4. APPROVED EQUAL

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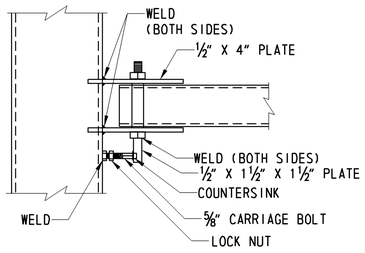
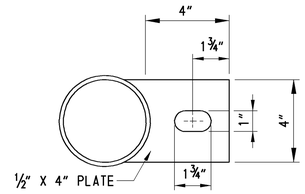
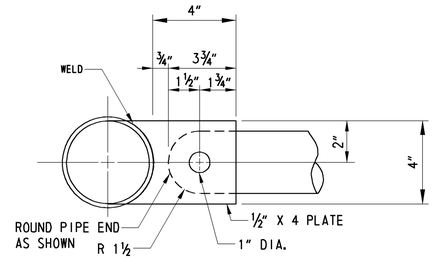
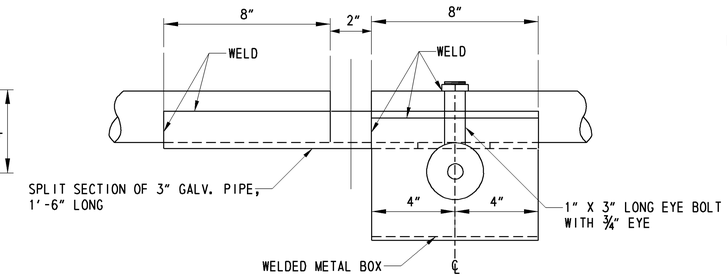




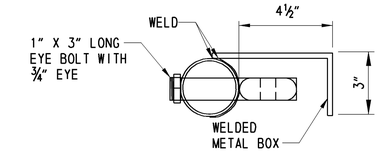
DETAIL "D"
(BOTTOM HANGER)



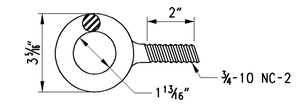
SECTION A-A
(TOP HANGER)



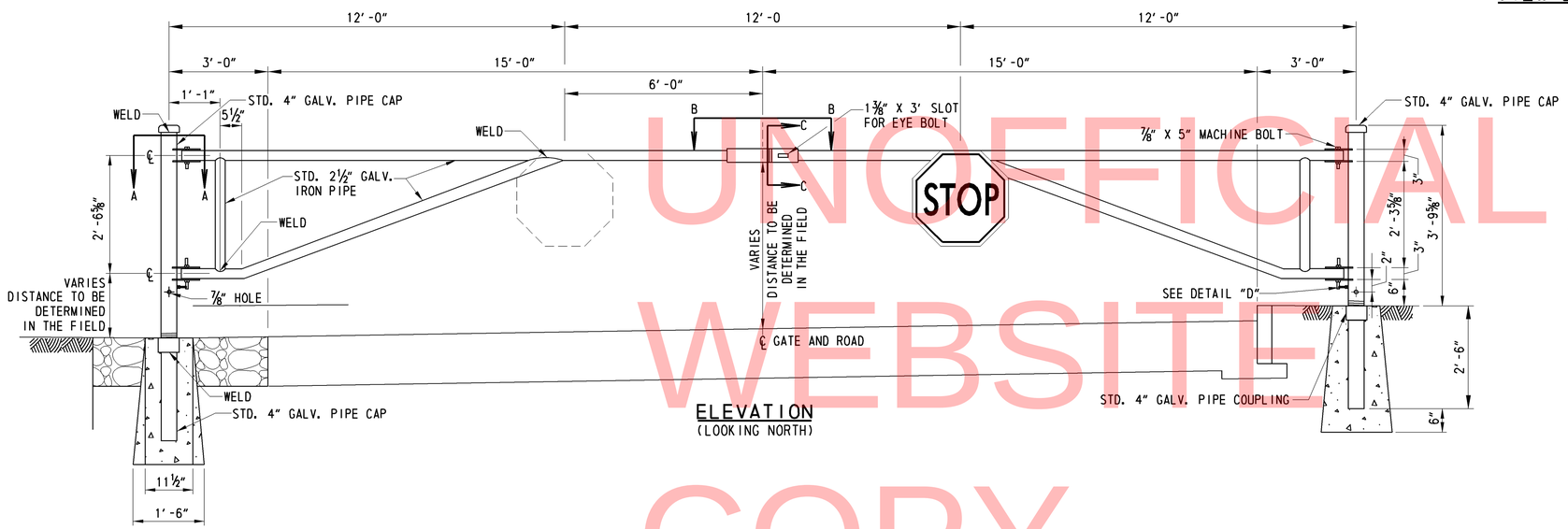
VIEW B-B



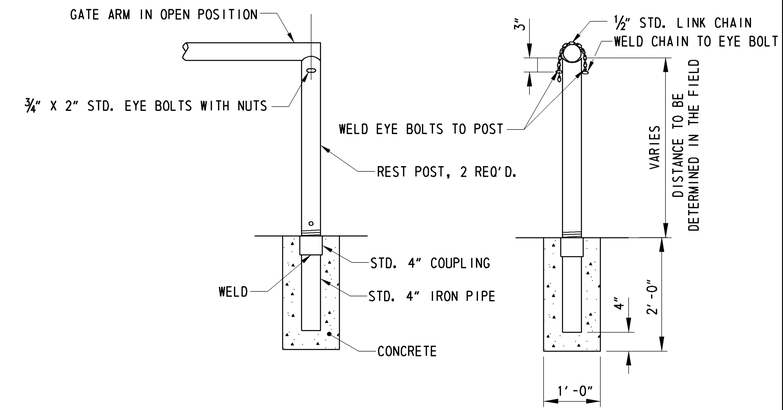
SECTION C-C



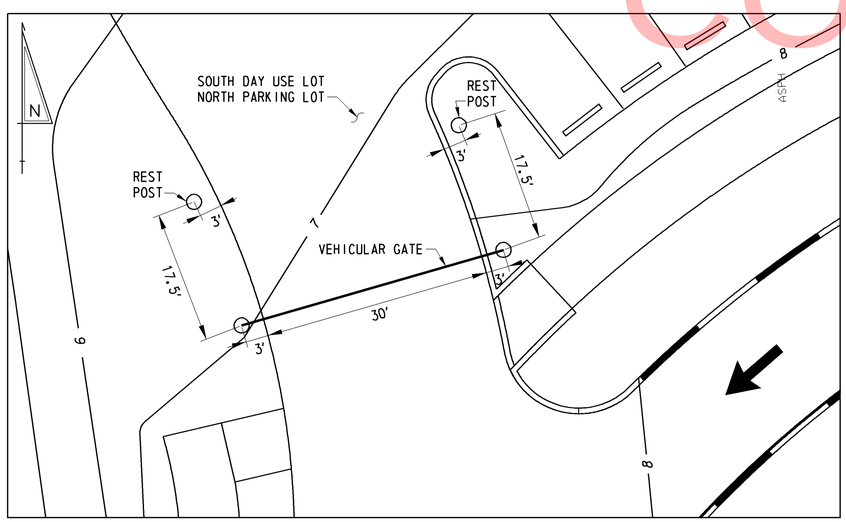
STD. EYE BOLT DETAIL



ELEVATION
(LOOKING NORTH)



REST POST DETAIL



PLAN
SCALE: 1" = 10'

NOTES:

1. CLOSE TOP END OF REST POSTS WITH 4½"DIA. X ⅛"THICK STEEL PLATE, FORM TO FIT AND WELD IN PLACE.
2. MOUNT ONE "STOP" SIGN ON EACH GATE AS SHOWN.
3. VEHICULAR GATE (SPECIAL) SHALL BE PAID FOUR USING ITEM NUMBER (727521).

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VEHICULAR GATE - SPECIAL (727521)

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	NOT TO SCALE	INDIAN RIVER INLET PARK ENHANCEMENTS	CONTRACT T200507303	BRIDGE NO. X	CONSTRUCTION DETAILS (BASE BID)	DT06-BB
				COUNTY SUSSEX	DESIGNED BY: RK&K		SHEET NO. 76
					CHECKED BY: RK&K		TOTAL SHTS. 282

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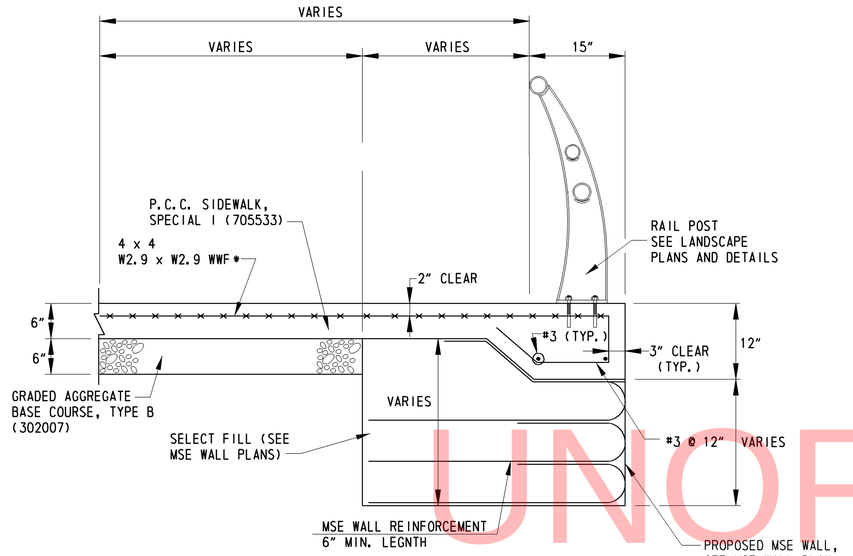
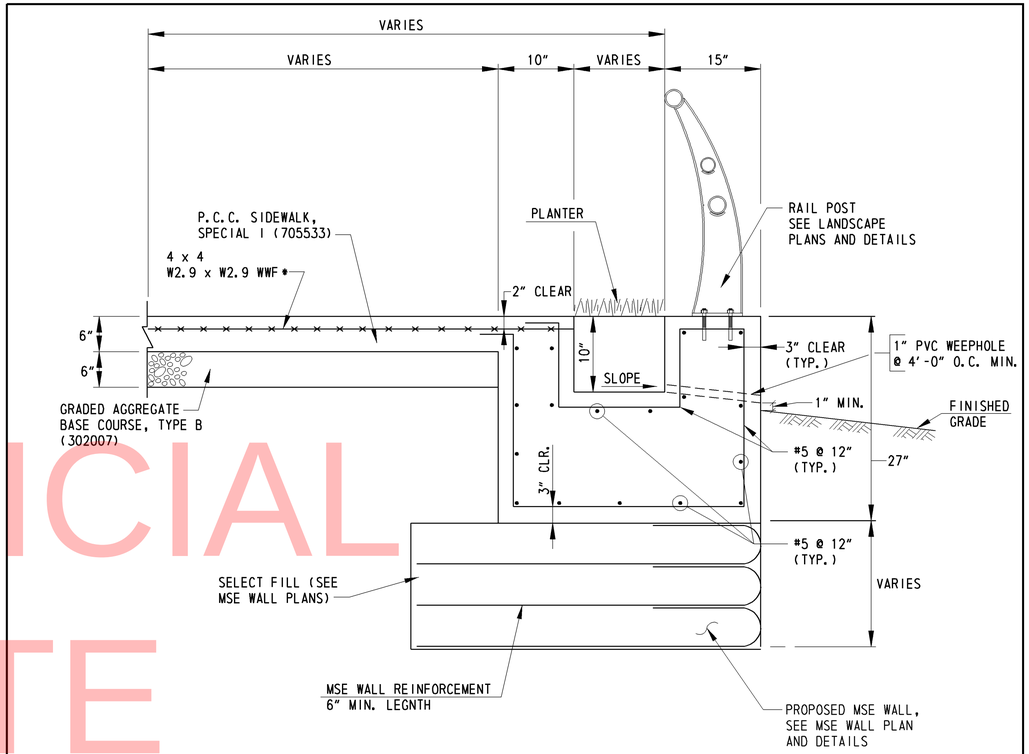


TYPICAL NORTH AND SOUTH PROMENADE HAUNCH AND REINFORCING DETAIL

N.T.S.

NOTE:
ALL ADDITIONAL CONCRETE AND REINFORCING REQUIRED TO CONSTRUCT THE HAUNCH SHALL BE INCIDENTAL TO THE RESPECTIVE P.C.C. SIDEWALK ITEM BEING INSTALLED

* NOTE:
WWF SHALL BE INCIDENTAL TO THE RESPECTIVE P.C.C. SIDEWALK ITEM BEING INSTALLED.

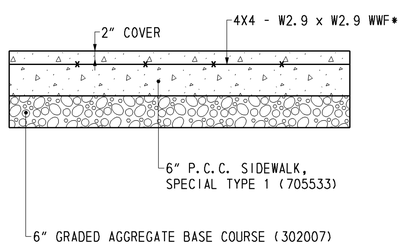


TYPICAL PAVILION 7B AND 7C PROMENADE EXTENDED HAUNCH AND REINFORCING DETAIL

N.T.S.

NOTE:
ALL ADDITIONAL CONCRETE AND REINFORCING REQUIRED TO CONSTRUCT THE HAUNCH SHALL BE INCIDENTAL TO THE RESPECTIVE P.C.C. SIDEWALK ITEM BEING INSTALLED

* NOTE:
ALL REINFORCING STEEL SHALL BE INCIDENTAL TO THE RESPECTIVE P.C.C. SIDEWALK ITEM BEING INSTALLED.

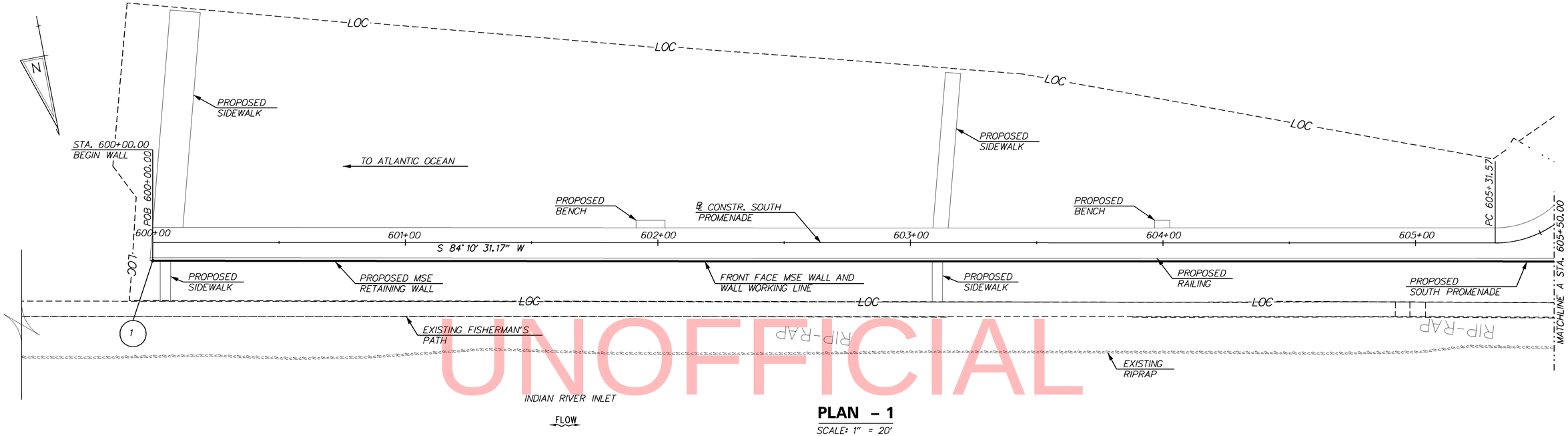


* NOTE:
WWF SHALL BE INCIDENTAL TO THE RESPECTIVE P.C.C. SIDEWALK ITEM BEING INSTALLED.

SHOWER SLAB DETAIL

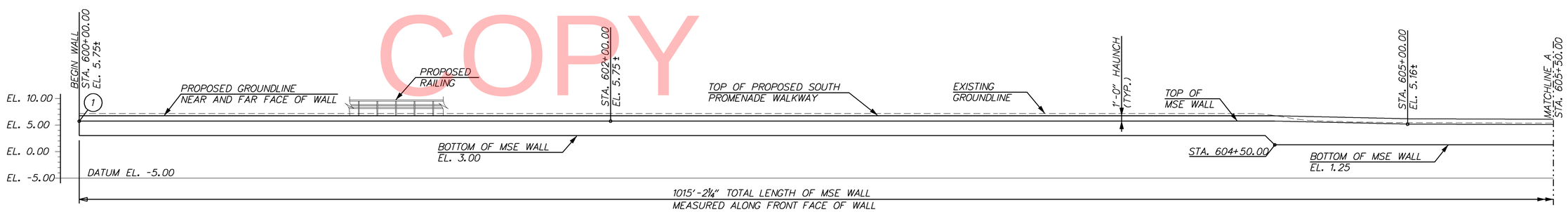
N.T.S.

UNOFFICIAL WEBSITE COPY



PLAN – 1

SCALE: 1" = 20'



NOTES:

1. FOR MSE RETAINING WALL GENERAL NOTES AND TYPICAL SECTION, SEE DWG. NO. S06-AA.
2. FOR MSE RETAINING WALL WORKING POINT LOCATIONS, SEE DWG. NO. S02-AA.
3. SEE LANDSCAPE PLANS FOR PROPOSED SIDEWALK, RAILING, AND BENCH DETAILS.
4. FOR PROPOSED PROMENADE DETAILS, SEE DWG. NO. DT06-AA.

NOTE:
PROPOSED BENCHES NOT SHOWN FOR CLARITY.

ELEVATION – 1

HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 10'

LEGEND

(#) - WORKING POINT

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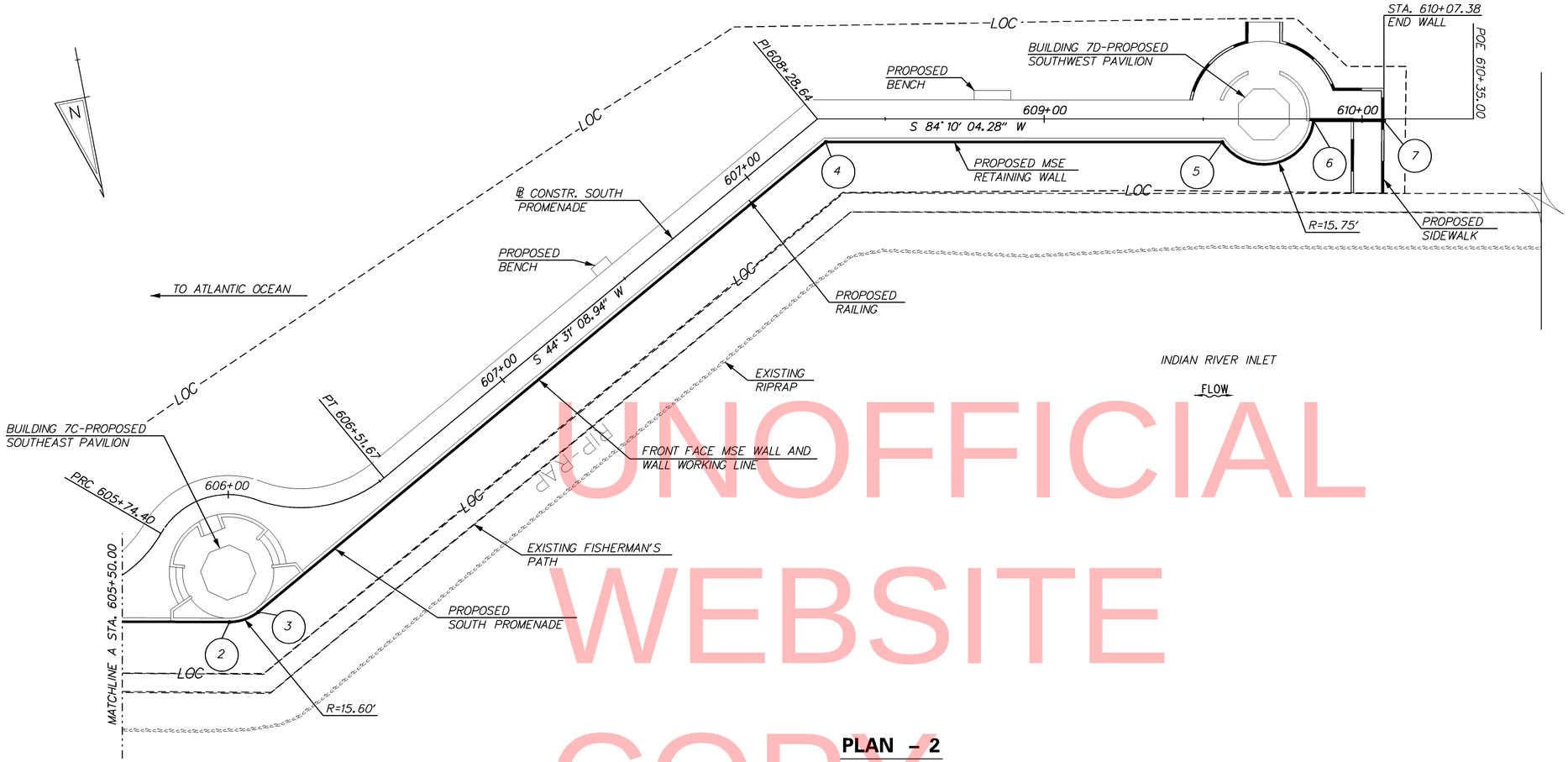
DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 20 40 60 FEET	INDIAN RIVER INLET PARK ENHANCEMENTS	CONTRACT T200507303	BRIDGE NO. X	SOUTH PROMENADE RETAINING WALL GENERAL PLAN AND ELEVATION – 1 (ADD ALTERNATES)	S01-AA
				COUNTY SUSSEX	DESIGNED BY: BBS		SHEET NO. 78
					CHECKED BY: JW		TOTAL SHTS. 282



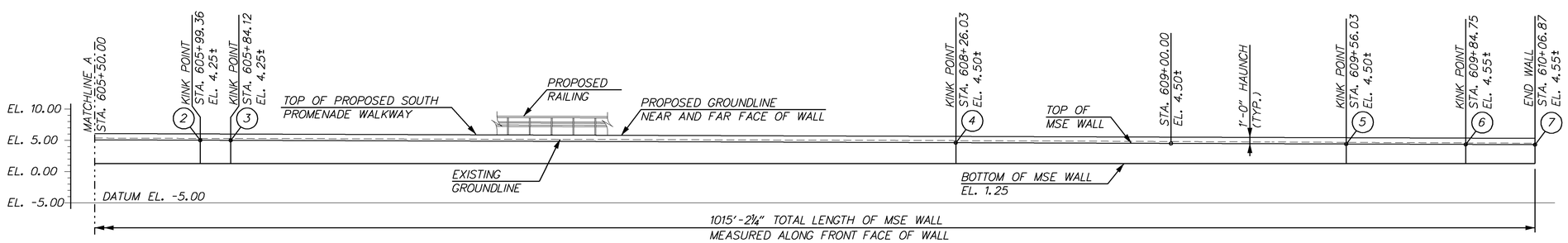
MSE RETAINING WALL WORKING POINTS			
POINT	STATION	OFFSET	ELEV.
1	600+00.00	7.250' RT.	3.0
2	605+99.36	40.099' RT.	1.25
3	605+84.12	40.099' RT.	1.25
4	608+26.03	7.250' RT.	1.25
5	609+56.03	7.250' RT.	1.25
6	609+84.75	0.512' RT.	1.25
7	610+06.87	0.512' RT.	1.25

NOTES:

1. FOR MSE RETAINING WALL GENERAL NOTES AND TYPICAL SECTION, SEE DWG. NO. S06-AA.
2. SEE LANDSCAPE PLANS FOR PROPOSED SIDEWALK, RAILING, AND BENCH DETAILS.
3. SEE ARCHITECTURAL PLANS FOR BUILDINGS 7C AND 7D LAYOUT AND DETAILS.
4. FOR PROPOSED PROMENADE DETAILS, SEE DWG. NO. DT06-AA.

PLAN – 2

SCALE: 1" = 20'



NOTE:
PROPOSED BENCHES AND PAVILION NOT SHOWN FOR CLARITY.

ELEVATION – 2

HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 10'

LEGEND

(#) - WORKING POINT

UNOFFICIAL WEBSITE COPY

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DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 20 40 60 FEET

INDIAN RIVER INLET PARK ENHANCEMENTS

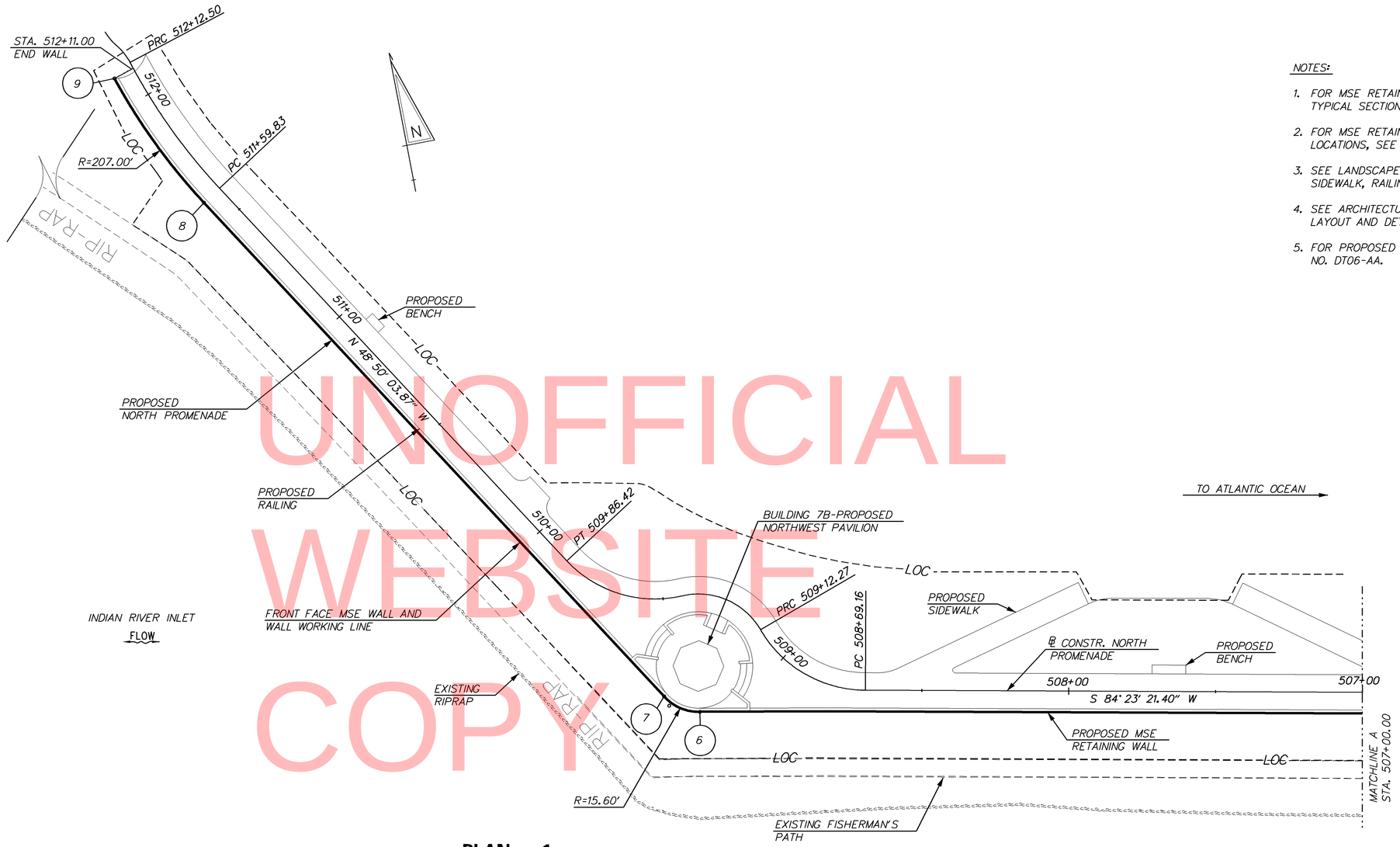
CONTRACT	BRIDGE NO.	X
T200507303	DESIGNED BY: BBS	
COUNTY	CHECKED BY: JW	
SUSSEX		

SOUTH PROMENADE RETAINING WALL GENERAL PLAN AND ELEVATION – 2 (ADD ALTERNATES)

S02-AA
SHEET NO. 79
TOTAL SHTS. 282

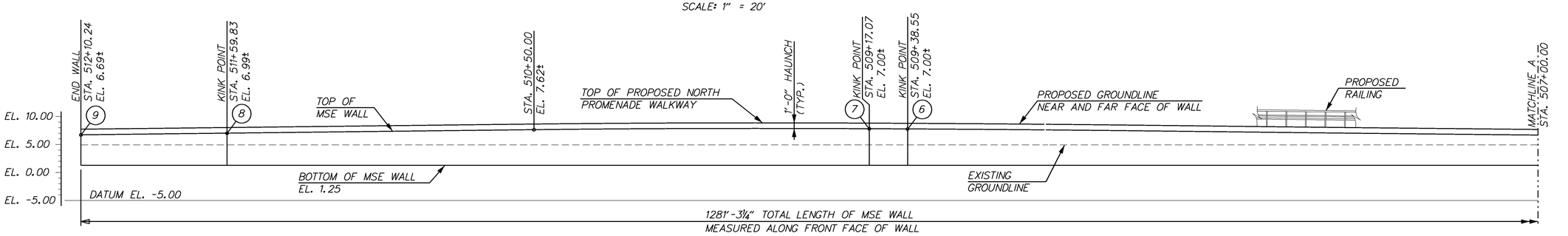
NOTES:

1. FOR MSE RETAINING WALL GENERAL NOTES AND TYPICAL SECTION, SEE DWG. NO. S06-AA.
2. FOR MSE RETAINING WALL WORKING POINT LOCATIONS, SEE DWG. NO. S05-AA.
3. SEE LANDSCAPE PLANS FOR PROPOSED SIDEWALK, RAILING, AND BENCH DETAILS.
4. SEE ARCHITECTURAL PLANS FOR BUILDING 7B LAYOUT AND DETAILS.
5. FOR PROPOSED PROMENADE DETAILS, SEE DWG. NO. DT06-AA.



PLAN – 1

SCALE: 1" = 20'



NOTE:
PROPOSED PAVILION AND BENCHES NOT SHOWN FOR CLARITY.

ELEVATION – 1

HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 10'

LEGEND

(#) - WORKING POINT

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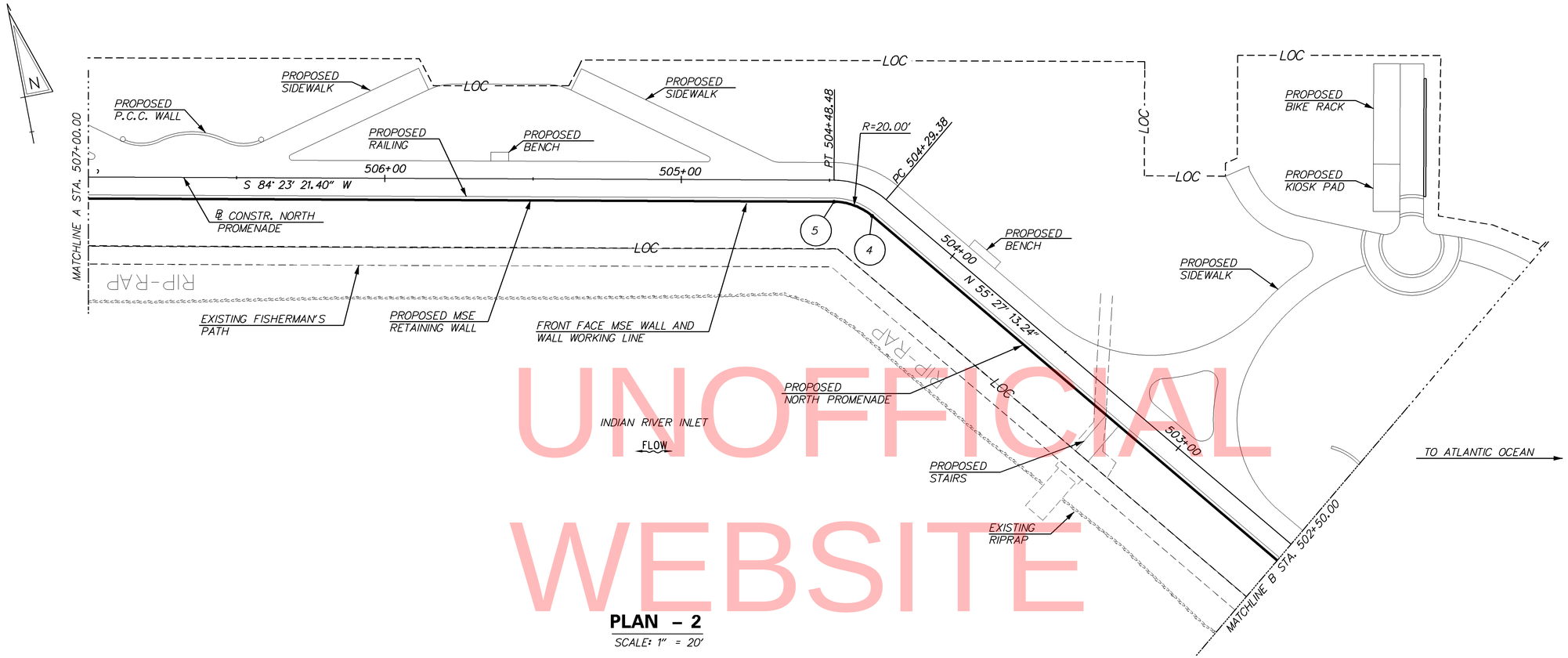
DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 20 40 60 FEET	INDIAN RIVER INLET PARK ENHANCEMENTS	CONTRACT T200507303	BRIDGE NO. X	NORTH PROMENADE RETAINING WALL GENERAL PLAN AND ELEVATION – 1 (ADD ALTERNATES)	S03-AA SHEET NO. 80
				COUNTY SUSSEX	DESIGNED BY: BBS		TOTAL SHTS. 282
					CHECKED BY: JW		



PLAN – 2

SCALE: 1" = 20'

NOTES:

1. FOR MSE RETAINING WALL GENERAL NOTES AND TYPICAL SECTION, SEE DWG. NO. S06-AA.
2. FOR MSE RETAINING WALL WORKING POINT LOCATIONS, SEE DWG. NO. S05-AA.
3. SEE LANDSCAPE PLANS FOR PROPOSED SIDEWALK, RAILING, KIOSK, BIKE RACK, BENCH, AND P.C.C. WALL LAYOUT AND DETAILS.
4. FOR PROPOSED PROMENADE DETAILS, SEE DWG. NO. DT06-AA.

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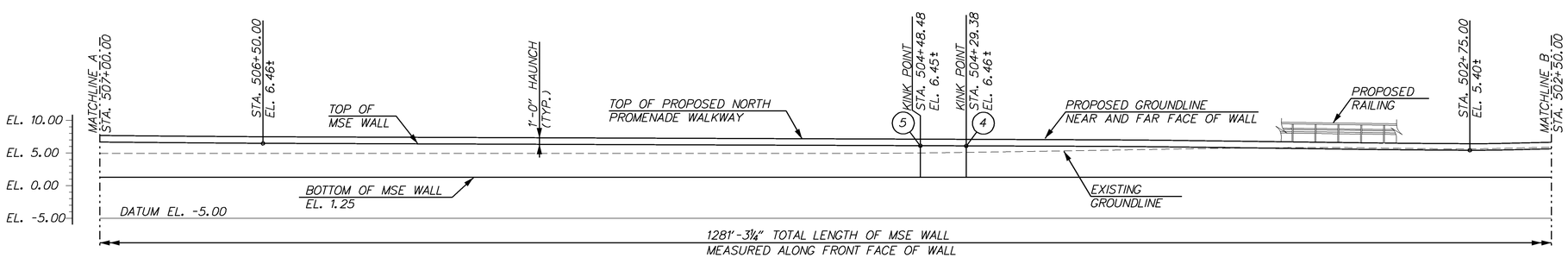

ELEVATION – 2

HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 10'

NOTE:
PROPOSED BENCHES, STAIRS, KIOSK, AND BIKE RACK NOT SHOWN FOR CLARITY.

LEGEND

(#) - WORKING POINT

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 20 40 60 FEET	INDIAN RIVER INLET PARK ENHANCEMENTS	CONTRACT T200507303 / COUNTY SUSSEX	BRIDGE NO. X / DESIGNED BY: BBS / CHECKED BY: JW	NORTH PROMENADE RETAINING WALL GENERAL PLAN AND ELEVATION – 2 (ADD ALTERNATES)

S04-AA
SHEET NO. 81
TOTAL SHTS. 282

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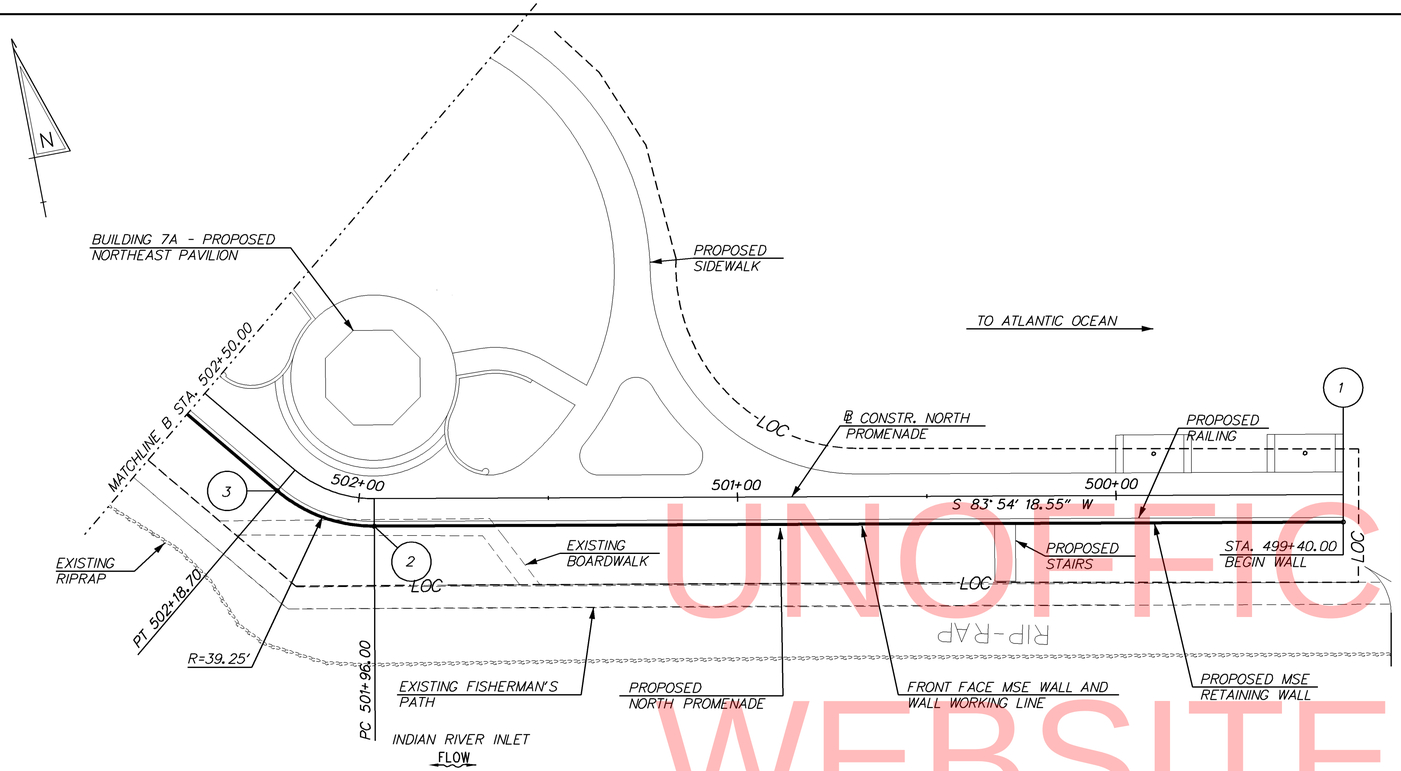


PLAN – 3

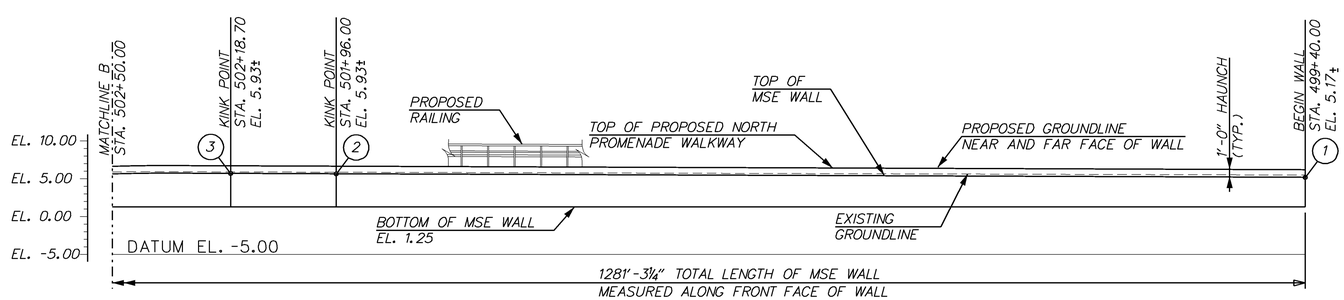
SCALE: 1" = 20'

MSE RETAINING WALL LOCATION			
POINT	STATION	OFFSET	ELEV.
1	499+40.00	7.250' LT.	1.25
2	501+96.00	7.250' LT.	1.25
3	502+18.70	7.250' LT.	1.25
4	504+29.38	7.250' LT.	1.25
5	504+48.48	7.250' LT.	1.25
6	509+38.55	40.099' LT.	1.25
7	509+17.07	40.099' LT.	1.25
8	511+59.83	7.250' LT.	1.25
9	512+10.24	7.250' LT.	1.25

NOTES:

1. FOR MSE RETAINING WALL GENERAL NOTES AND TYPICAL SECTION, SEE DWG. NO. S06-AA.
2. SEE LANDSCAPE PLANS FOR PROPOSED SIDEWALK AND RAILING DETAILS.
3. SEE ARCHITECTURAL PLANS FOR BUILDING 7A LAYOUT AND DETAILS.
4. FOR PROPOSED PROMENADE DETAILS, SEE DWG. NO. DT06-AA.

UNOFFICIAL WEBSITE COPY



ELEVATION – 3

HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 10'

NOTE:
PROPOSED STAIRS AND PAVILION NOT SHOWN FOR CLARITY.

LEGEND

(#) - WORKING POINT

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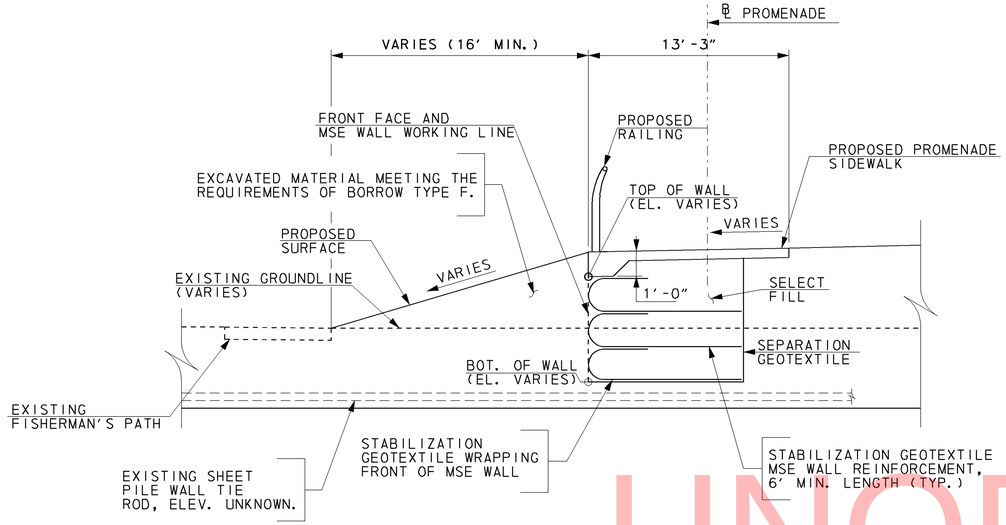
DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 20 40 60 FEET	INDIAN RIVER INLET PARK ENHANCEMENTS	CONTRACT T200507303 / COUNTY SUSSEX	BRIDGE NO. X / DESIGNED BY: BBS / CHECKED BY: JW	NORTH PROMENADE RETAINING WALL GENERAL PLAN AND ELEVATION – 3 (ADD ALTERNATES)

S05-AA
SHEET NO. 82
TOTAL SHTS. 282



MSE WALL TYPICAL SECTION

NOTES:

1. *THE MSE WALL GEOSYNTHETIC REINFORCEMENT LAYOUT SHALL BE DETERMINED BY THE MANUFACTURER.*
2. *THE TOP, BOTTOM, AND BACK FACES OF THE MSE WALL SHALL BE WRAPPED WITH SEPARATION TYPE GEOTEXTILE.*
3. *GROUNDWATER MAY BE ENCOUNTERED DURING EXCAVATION FOR THE MSE WALL. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE APPROPRIATE DEWATERING METHODS DURING CONSTRUCTION.*
4. *CARE SHALL BE TAKEN BY THE CONTRACTOR TO NOT DAMAGE EXISTING SHEET PILE WALL TIE RODS DURING EXCAVATION AND CONSTRUCTION OF THE PROPOSED WALL.*
5. *FOR PROPOSED RAILING DETAILS, SEE LANDSCAPE PLANS.*
6. *FOR PROPOSED PROMENADE SIDEWALK AND HAUNCH DETAILS, SEE DWG. NO. DT07-AA*

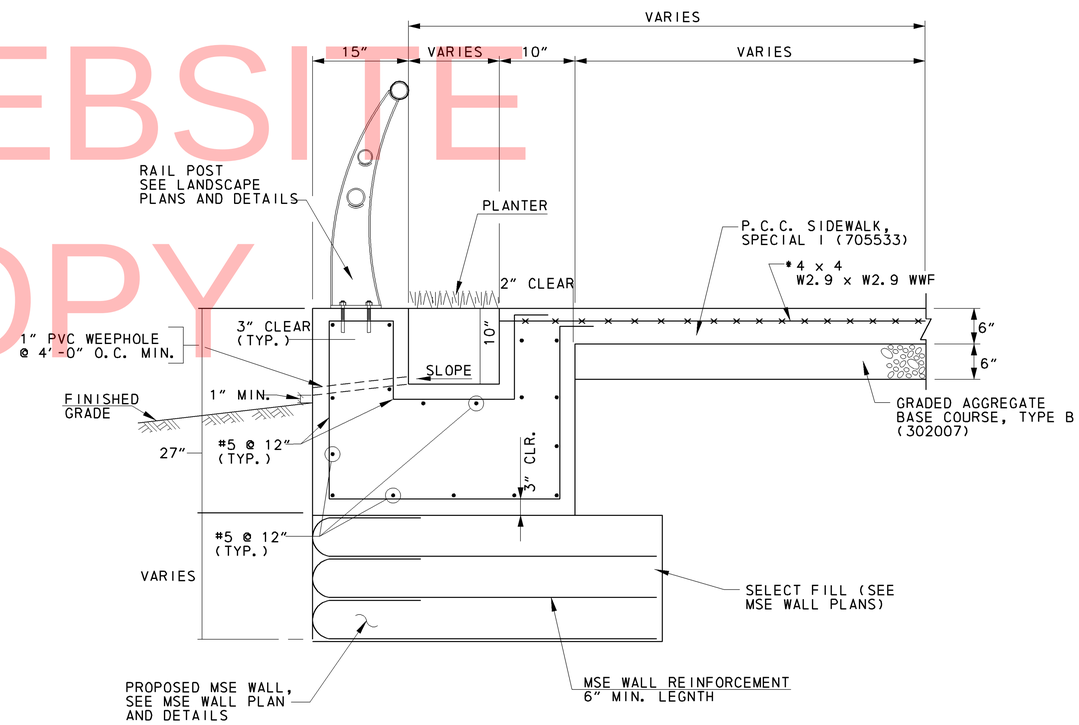
GENERAL NOTES

1. *THE PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DELAWARE DEPARTMENT OF TRANSPORTATION "STANDARD CONSTRUCTION DETAILS", DATED 2001 AND THE DELAWARE DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS", DATED 2001, INCLUDING ALL REVISIONS UP TO THE DATE OF ADVERTISEMENT.*
2. *THE MSE WALL SHALL BE DESIGNED BY THE MANUFACTURER IN ACCORDANCE WITH THE FOLLOWING:*
   - *AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 5TH EDITION WITH ALL CURRENT REVISIONS.*
   - *FEDERAL HIGHWAY ADMINISTRATION PUBLICATION NO. FHWA-NHI-00-043, "MECHANICALLY STABILIZED EARTH WALLS AND REINFORCED SOIL SLOPES DESIGN AND CONSTRUCTION GUIDELINES".*

SOIL PARAMETERS FOR DESIGN		
SOIL TYPE	MOIST UNIT WEIGHT (PCF)	FRICTION ANGLE (DEGREES)
SELECT FILL	125	34
FOUNDATION SOIL	125	28

FOUNDATION NOTES

1. *SLIDING, OVERTURNING, AND BEARING CAPACITY OF THE MSE WALL SHALL BE EVALUATED BY THE WALL SUPPLIER. THE ALLOWABLE BEARING CAPACITY AT THE MSE WALL SHALL BE DETERMINED BY THE CONTRACTOR AND SUBMITTED FOR APPROVAL BY THE ENGINEER.*
2. *THE INTERNAL STABILITY OF THE MSE WALL SHALL BE DESIGNED BY THE CONTRACTOR USING THE SOIL PARAMETERS PROVIDED. THE INTERNAL STABILITY SHOULD BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF DELAWARE. THE APPLIED BEARING STRESS SHALL NOT EXCEED THE BEARING RESISTANCE.*
3. *FILL IN REINFORCEMENT ZONES SHALL CONSIST OF GRANULAR SOIL FREE OF ORGANICS AND SHALL BE IN ACCORDANCE WITH THE SPECIAL PROVISIONS.*
4. *ONSITE SOIL (TYPE F BORROW) MAY BE USED TO CONSTRUCT THE REMAINDER OF THE EMBANKMENT BEHIND THE MSE WALL. THIS SHOULD BE PLACED AND COMPACTED IN ACCORDANCE WITH SECTION 202 - EXCAVATION AND EMBANKMENT, DELAWARE DEPARTMENT OF TRANSPORTATION SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, DATED AUGUST 2001 WITH SUPPLEMENTS.*



NOTE:
ALL ADDITIONAL CONCRETE AND REINFORCING REQUIRED TO CONSTRUCT THE HAUNCH SHALL BE INCIDENTAL TO THE RESPECTIVE P.C.C. SIDEWALK ITEM BEING INSTALLED

TYPICAL PAVILION 7B AND 7C PROMENADE EXTENDED HAUNCH AND REINFORCING DETAIL

N.T.S.

*NOTE:
ALL REINFORCING STEEL SHALL BE INCIDENTAL TO THE RESPECTIVE P.C.C. SIDEWALK ITEM BEING INSTALLED.

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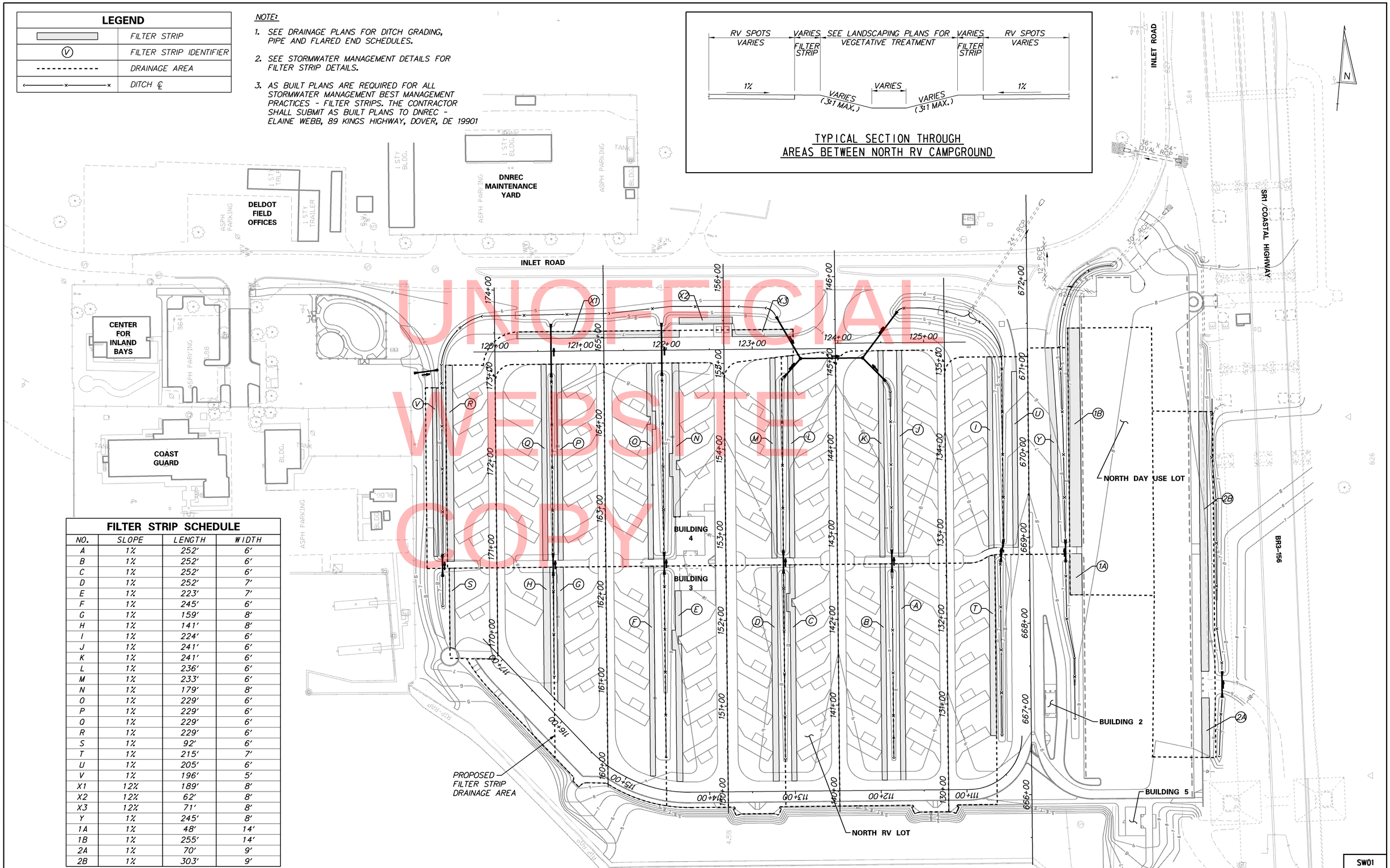
LEGEND	
	FILTER STRIP
(V)	FILTER STRIP IDENTIFIER
- - - - - - - -	DRAINAGE AREA
←——×——×	DITCH ℄

NOTE:

1. SEE DRAINAGE PLANS FOR DITCH GRADING, PIPE AND FLARED END SCHEDULES.
2. SEE STORMWATER MANAGEMENT DETAILS FOR FILTER STRIP DETAILS.
3. AS BUILT PLANS ARE REQUIRED FOR ALL STORMWATER MANAGEMENT BEST MANAGEMENT PRACTICES - FILTER STRIPS. THE CONTRACTOR SHALL SUBMIT AS BUILT PLANS TO DNREC - ELAINE WEBB, 89 KINGS HIGHWAY, DOVER, DE 19901

TYPICAL SECTION THROUGH AREAS BETWEEN NORTH RV CAMPGROUND



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FILTER STRIP SCHEDULE

NO.	SLOPE	LENGTH	WIDTH
A	1%	252'	6'
B	1%	252'	6'
C	1%	252'	6'
D	1%	252'	7'
E	1%	223'	7'
F	1%	245'	6'
G	1%	159'	8'
H	1%	141'	8'
I	1%	224'	6'
J	1%	241'	6'
K	1%	241'	6'
L	1%	236'	6'
M	1%	233'	6'
N	1%	179'	8'
O	1%	229'	6'
P	1%	229'	6'
Q	1%	229'	6'
R	1%	229'	6'
S	1%	92'	6'
T	1%	215'	7'
U	1%	205'	6'
V	1%	196'	5'
X1	12%	189'	8'
X2	12%	62'	8'
X3	12%	71'	8'
Y	1%	245'	8'
1A	1%	48'	14'
1B	1%	255'	14'
2A	1%	70'	9'
2B	1%	303'	9'

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 50 100 150 FEET

INDIAN RIVER INLET PARK ENHANCEMENTS

CONTRACT	BRIDGE NO.	X
T200507303	DESIGNED BY: RK&K	
COUNTY	CHECKED BY: RK&K	
SUSSEX		

STORMWATER MANAGEMENT PLAN

SW01
SHEET NO. 84
TOTAL SHTS. 282

3/12/2013 11:03:53 AM
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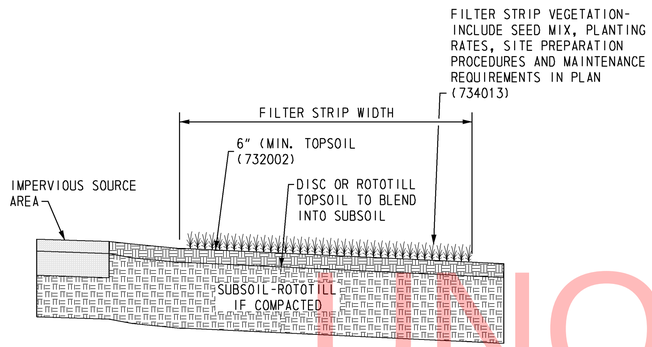

TYPICAL DETAIL
FILTER STRIP SECTION

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DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	NOT TO SCALE	INDIAN RIVER INLET PARK ENHANCEMENTS	CONTRACT T200507303	BRIDGE NO. X	STORMWATER MANAGEMENT DETAILS	SW02
				COUNTY SUSSEX	DESIGNED BY: RK&K		SHEET NO. 85
					CHECKED BY: RK&K		TOTAL SHTS. 282

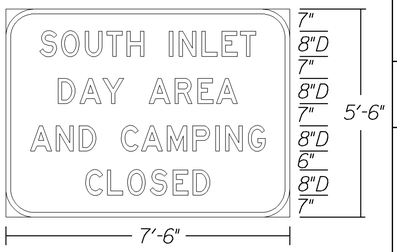
CMS$_1$ AND CMS$_2$

PRIOR TO CONSTRUCTION & AFTER CONSTRUCTION COMPLETION

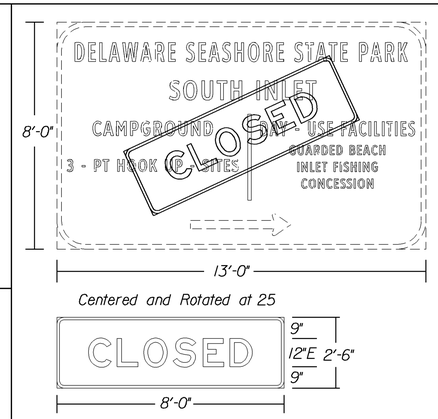
	SCREEN 1	SCREEN 2
LINE 1	XX	XX
LINE 2	XX	XX
LINE 3	XX	XX

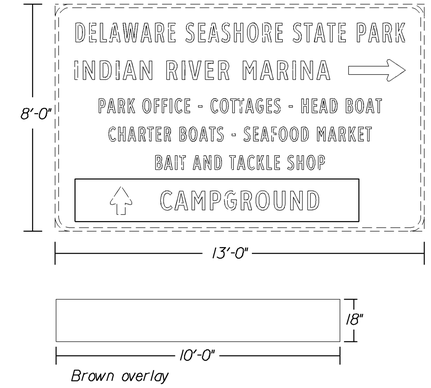
MESSAGE AND LOCATION TO BE APPROVED BY THE SOUTH DISTRICT SAFETY OFFICER

SIGN$_1$

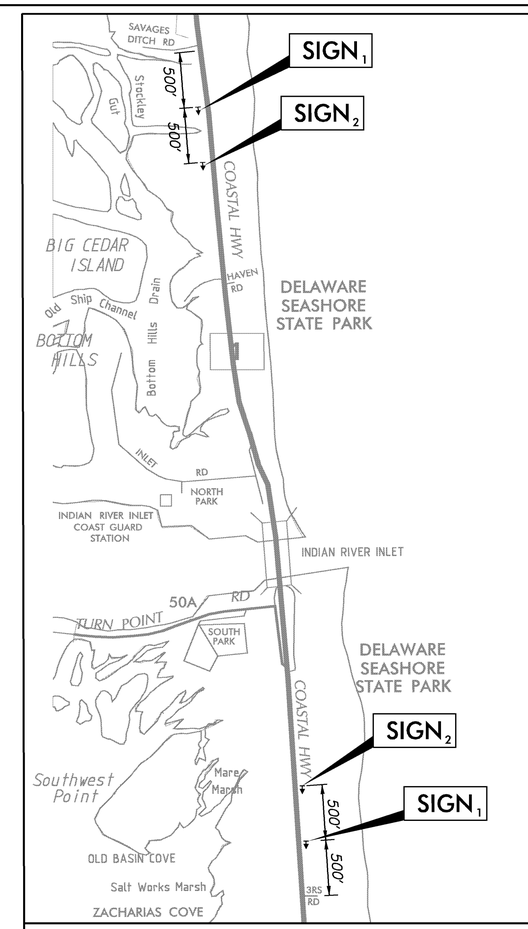


SIGN$_2$

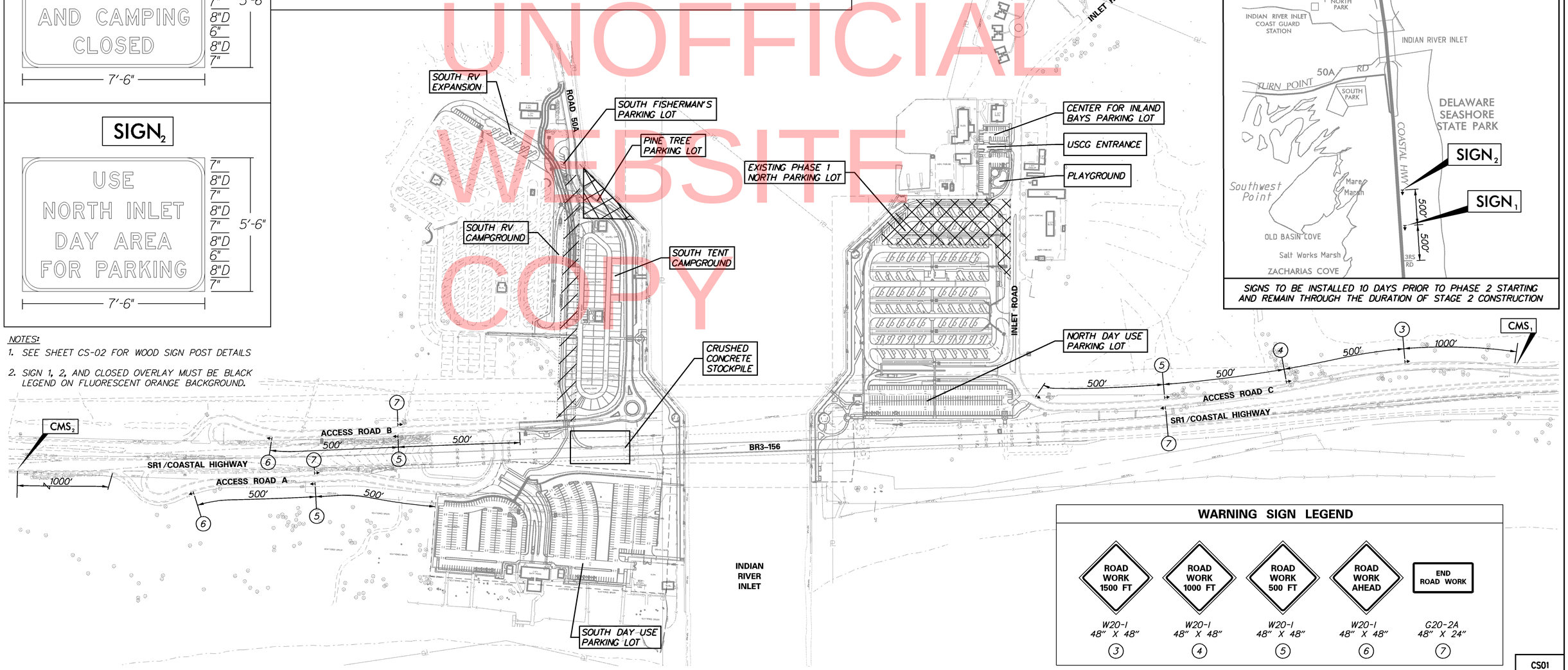




THE "CLOSED" OR "BROWN OVERLAY" SHALL BE ADDED TO EACH EXISTING SIGN(S) AS SHOWN AND SHALL REMAIN IN PLACE UNTIL THE RESPECTIVE PHASE IS COMPLETED.



SIGNS TO BE INSTALLED 10 DAYS PRIOR TO PHASE 2 STARTING AND REMAIN THROUGH THE DURATION OF STAGE 2 CONSTRUCTION



NOTES:

1. SEE SHEET CS-02 FOR WOOD SIGN POST DETAILS
2. SIGN 1, 2, AND CLOSED OVERLAY MUST BE BLACK LEGEND ON FLUORESCENT ORANGE BACKGROUND.

WARNING SIGN LEGEND

ROAD WORK 1500 FT	ROAD WORK 1000 FT	ROAD WORK 500 FT	ROAD WORK AHEAD	END ROAD WORK
W20-1 48" X 48"	W20-1 48" X 48"	W20-1 48" X 48"	W20-1 48" X 48"	G20-2A 48" X 24"
3	4	5	6	7

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DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 200 400 600 FEET

INDIAN RIVER INLET PARK ENHANCEMENTS

CONTRACT	BRIDGE NO.	X
T200507303	DESIGNED BY: RK&K	
COUNTY		
SUSSEX	CHECKED BY: RK&K	

CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL– ADVANCE WARNING SIGN PLAN

CS01
SHEET NO. 86
TOTAL SHTS. 282

TRAFFIC CONTROL- GENERAL NOTES

1. MAINTENANCE OF TRAFFIC DURING LANE CLOSURES AND LANE SHIFTS SHALL CONFORM TO TYPICAL APPLICATION 10 AND 17B OF THE DELAWARE MUTCD. TYPICAL APPLICATION 17B SHALL BE UTILIZED FOR PERMANENT STRIPING ACTIVITIES.

2. GRADING AND MAINTAINING BASE COURSE THAT IS BEING USED AS A TRAVELWAY, DRIVEWAY, ACCESS RAMP, ETC. SHALL BE INCIDENTAL TO ITEM 743000 - MAINTENANCE OF TRAFFIC. EXCESS BASE COURSE MATERIAL SHALL BE PUSHED AHEAD AND USED IN THE NEXT SEGMENT AND SHALL BE INCIDENTAL TO THE PARTICULAR BASE COURSE PAY ITEM. NO PAYMENT SHALL BE MADE FOR TEMPORARY ROADWAY MATERIAL (TRM) USED TO PROTECT EDGE DROP-OFFS, UNLESS THE MATERIAL IS EVENTUALLY UTILIZED AS PART OF A PERMANENT ROADWAY AT WHICH TIME THE MATERIAL WOULD BE PAID FOR UNDER THE RESPECTIVE CONTRACT MATERIAL ITEM. CONSTRUCTION OF A PLANNED RUNAROUND OR DETOUR WOULD BE ELIGIBLE FOR PAYMENT AS SPECIFIED IN THE CONTRACT.

3. ACCEPTABLE MATERIALS FOR TEMPORARY PEDESTRIAN PATHS SHALL INCLUDE CONCRETE, HOT-MIX, COMPACTED MILLINGS OR PLYWOOD WALKWAY STRUCTURE. PLYWOOD WALKWAY STRUCTURES SHALL ALSO INCLUDE DETECTABLE EDGING AND RAILINGS IN ACCORDANCE WITH ADA GUIDELINES AND THE DELAWARE MUTCD. TEMPORARY PEDESTRIAN PATHS SHALL BE INCIDENTAL TO ITEM 743000 UNLESS OTHERWISE SPECIFIED IN THE PLANS. GRADED AGGREGATE BASE COURSE, CHOKED WITH 2" OF STONE DUST.

4. DELDOT TRAFFIC RESERVES THE RIGHT TO MODIFY THE TRAFFIC CONTROL AS FIELD CONDITIONS DICTATE.

TRAFFIC CONTROL- PROJECT NOTES

1. THE CONTRACTOR SHALL MAINTAIN EMERGENCY VEHICLE ACCESS DURING EACH CONSTRUCTION STAGE.

2. ROADWAY AND SHOULDER WORK SHALL BE PERFORMED IN A MANNER SUCH THAT POSITIVE DRAINAGE OF THE ROADWAY SURFACE IS MAINTAINED THROUGHOUT CONSTRUCTION.

3. ALL EXISTING PUBLIC ROADWAY LIGHTING WITHIN THE PROJECT LIMITS NOT DIRECTLY IMPACTED BY CONSTRUCTION SHALL REMAIN OPERATIONAL AT ALL TIMES THROUGHOUT THE CONSTRUCTION.

4. THE CONTRACTOR SHALL FURNISH AND MAINTAIN PORTABLE CHANGEABLE MESSAGE SIGN (CMS) (743004) TO NOTIFY THE PUBLIC IN ADVANCE OF CONSTRUCTION ACTIVITIES WITHIN THE DELAWARE SEASHORE STATE PARK AT INDIAN RIVER. THE CMS SHALL BE INSTALLED AT THE LOCATIONS SHOWN ON THE ADVANCED WARNING SIGN PLAN 10 DAYS PRIOR TO THE START OF ON-SITE CONSTRUCTION AND 5 DAYS FOLLOWING CONSTRUCTION COMPLETION.

5. THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES WITH DNREC'S WATERSHED STEWARDSHIP IN ORDER TO MAINTAIN ACCESS TO THE SAND BY PASS FACILITIES. ACCESS SHALL BE PROVIDED THROUGH THE SOUTH DAY USE PARKING LOT.

6. THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER AND DNREC PARKS REPRESENTATIVES FOR THE PLAYGROUND CONSTRUCTION. DNREC PARKS WILL PROVIDE AND INSTALL THE PLAYGROUND EQUIPMENT AND SURFACE TREATMENT PRIOR TO THE CONTRACTOR COMPLETING THE PLAYGROUND PERIMETER FENCE.

7. ANY EXISTING PERMANENT SIGNS THAT CONFLICT WITH CONSTRUCTION WARNING SIGNS SHALL BE COVERED AS DIRECTED BY THE ENGINEER. COST SHALL BE INCLUDED IN 743000, MAINTENANCE OF TRAFFIC.

8. THE CONTRACTOR SHALL TAKE REASONABLE CARE WHILE REMOVING THE EXISTING CHAIN LINK FENCE TO NOT DAMAGE THE CHAIN LINK FABRIC. THE CONTRACTOR SHALL STOCKPILE THE CHAIN LINK FENCE ON SITE FOR RELOCATION DURING THE VARIOUS PHASES OF CONSTRUCTION. THE COST OF REMOVAL SHALL BE PAID UNDER ITEM 211000, REMOVAL OF STRUCTURES AND OBSTRUCTIONS. STOCKPILING THE FENCE SHALL BE INCIDENTAL TO 211000. THE COST TO RELOCATE THE CHAIN LINK FENCE SHALL BE PAID FOR UNDER ITEM 727519, RELOCATE CHAIN LINK FENCE.

SUMMARY OF PARK ACCESS RESTRICTIONS

1. ANY DEVIATIONS TO THE PARK ACCESS RESTRICTIONS OR SEQUENCE OF CONSTRUCTION SHALL NOT BE PERMITTED WITHOUT PRIOR APPROVAL OF THE ENGINEER AND DNREC PARKS.

2. CALENDAR RESTRICTION THE SOUTH DAY USE PARKING LOT AND SOUTH RV CAMPGROUND SHALL BE CLOSED FROM OCTOBER 15, 2013 THROUGH MAY 9, 2014. THE CONTRACTOR SHALL COMPLETE ALL CONSTRUCTION ACTIVITIES SHOWN IN PHASE 2 DURING THIS CALENDAR RESTRICTION. THE SOUTH TENT CAMPGROUND IS NOT SUBJECT TO THE CALENDAR RESTRICTION.

3. ACCESS MUST BE MAINTAINED THROUGH THE SOUTH CAMPGROUND FOR ROAD 50A TRAFFIC AT ALL TIMES.

4. PARKING AREAS ON BOTH THE NORTH AND SOUTH SIDES OF THE INLET MUST BE OPEN TO THE PUBLIC AT ALL TIMES. THE SEQUENCE OF CONSTRUCTION INCLUDES PROVISIONS FOR THE FOLLOWING:

   NORTH SIDE OF INLET- EXISTING PHASE 1 PARKING LOT SHALL REMAIN ACCESSIBLE AND OPEN TO THE PUBLIC UNTIL THE NORTH DAY USE PARKING LOT IS COMPLETE AND OPEN TO THE PUBLIC.

   SOUTH SIDE OF INLET- PRIOR TO OCTOBER 15, 2013, THE PINE TREE PARKING LOT AND SOUTH DAY USE PARKING LOT SHALL REMAIN ACCESSIBLE AND OPEN TO THE PUBLIC. ON OCTOBER 15, 2013, PUBLIC PARKING SHALL BE LOCATED ON THE PORTION OF RELOCATED 50A CONSTRUCTED IN PHASE 1 AND SHALL REMAIN ACCESSIBLE AND OPEN TO THE PUBLIC UNTIL THE SOUTH DAY USE LOT IS ACCESSIBLE AND OPEN TO THE PUBLIC.

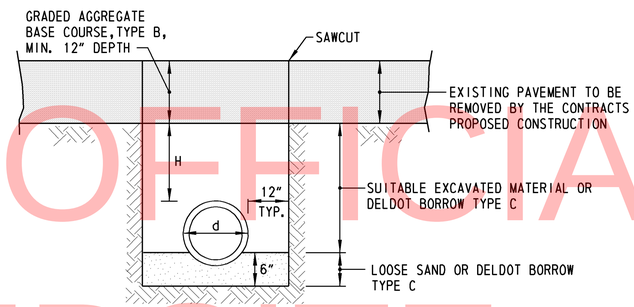
5. THE CONTRACTOR SHALL COORDINATE WITH THE CENTER FOR INLAND BAYS (CIB) AND THE USCG OFFICER OF THE DAY A MINIMUM 1 MONTH PRIOR TO BEGINNING CONSTRUCTION ACTIVITY AND MONTHLY AFTER CONSTRUCTION COMMENCES ON THE USCG ENTRANCE AND THE CIB PARKING LOT. ONCE CONSTRUCTION ACTIVITY BEGINS IN THIS AREA, WORK MUST BE CONTINUOUS UNTIL COMPLETE. ACCESS TO THE USCG FACILITY MUST BE MAINTAINED AT ALL TIMES.

SEDIMENT & STORMWATER MANAGEMENT NOTES

1. DUST CONTROL. DUST IS TO BE CONTROLLED EXCLUSIVELY THROUGH THE USE OF WATER. COSTS ASSOCIATED WITH THE FURNISHING AND APPLICATION OF WATER FOR DUST CONTROL SHALL BE INCIDENTAL TO ALL CONTRACT BID ITEMS.

2. CONSTRUCTION ENTRANCES. IT IS INTENDED THAT MUD TRACKING BE ELIMINATED ON ALL ROADWAYS ADJOINING THE PROJECT. EACH POINT OF INGRESS AND EGRESS FROM THE PROJECT SHALL HAVE INSTALLED A STABILIZED CONSTRUCTION ENTRANCE (SCE), ITEM 268000. ALL PAVED SURFACES ADJOINING THE PROJECT SHALL BE LEFT IN BROOM CLEAN CONDITION AT THE END OF EACH WORKDAY. BROOMED MATERIAL SHALL BE REMOVED AND PROPERLY DISPOSED OF. STABILIZED CONSTRUCTION ENTRANCES SHALL BE REDRESSED WITH TWO (2) INCHES OF CLEAN DE NO. 3 STONE WHEN THE VOIDS BECOME CLOGGED OR AS DIRECTED BY THE ENGINEER.

3. SOIL STOCKPILES. STOCKPILES OF SOIL SHALL BE STABILIZED WITH ITEM 734508, TEMPORARY SEED MIX.

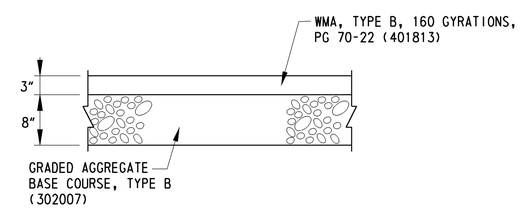


PIPE TRENCH NOTES:

1. EXCAVATION AND BACKFILL SHALL BE IN ACCORDANCE WITH SECTION 208.
2. THE ENGINEER SHALL DETERMINE WHAT PORTION, IF ANY, OF THE EXCAVATED MATERIAL IS SUITABLE FOR BORROW TYPE C OR TYPE F.
3. COMPACTION WITHIN EXISTING OR PROPOSED PAVEMENT AND SHOULDER AREAS SHALL MEET OR EXCEED 95%. ALL OTHER AREAS SHALL BE 90% OR MORE.
4. ALL DIMENSIONS ARE TO THE OUTSIDE WALL OF PIPES.
5. WHERE A STEEL PLATE IS USED WITH A PIPE TRENCH DETAIL, THE LIMITS OF WARM-MIX, TYPE C, PATCHING SHALL BE MODIFIED AS SHOWN ON THE STEEL PLATE DETAIL.
6. FOR INSTALLATION OF LIGHTING OR ELECTRICAL CONDUIT, INSTALL MARKING TAPE A MINIMUM OF 6" BENEATH FINISHED GRADE. PAYMENT TO BE INCIDENTAL TO THE LIGHTING CONDUIT ITEM BEING INSTALLED.

PIPE/CONDUIT TRENCH DETAIL

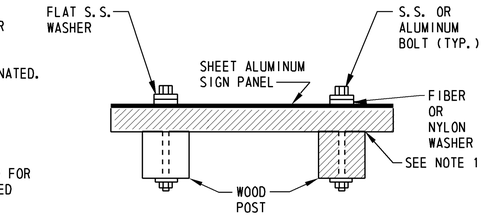
N. T. S.

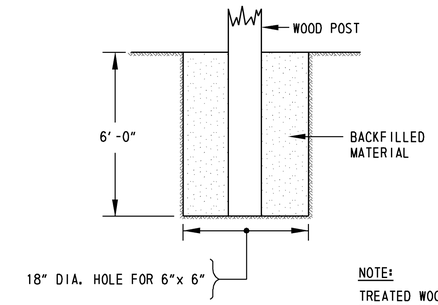


TEMPORARY PAVEMENT SECTION

NOTES:

1. ALL SHEET ALUMINUM SIGNS 5' WIDE AND LARGER SHALL BE BRACED WITH TWO HORIZONTAL 2"X4" TREATED WOOD OR EQUAL, ATTACHED TO THE SUPPORTS. THE BOLT LENGTHS SHALL BE COORDINATED.
2. ALL BOLTS SHALL BE ⅜" F593 (18-8 TYPE 303-304) STAINLESS STEEL OR ANODIZED ALUMINUM HEX HEAD BOLT WITH WASHERS AND NUTS SPACED AT 12" MAXIMUM.
3. S.S. 3½" MIN. LAG BOLTS MAY BE SUBSTITUTED FOR HEX HEAD BOLTS. LAG BOLTS MUST BE STAGGERED AT 9" INTERVALS.

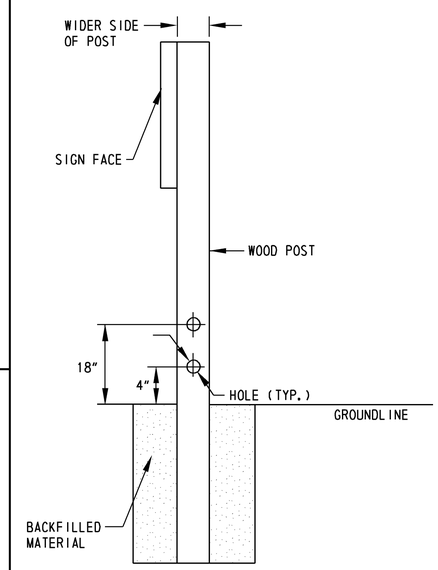




NOTE:

TREATED WOODEN POST SHALL BE PLACED IN PRE-DUG HOLE IN GROUND, BACKFILLED USING SUITABLE MATERIAL, AND TAMPED THOROUGHLY TO PROVIDE A RIGID SUB-SURFACE CONDITION AROUND THE POST.

TYPICAL FOUNDATION FOR WOOD SUPPORTS



WOOD POST MODIFICATIONS FOR BREAKAWAY FEATURE

POST SIZE	HOLE DIA. (IN.)
6"x 6"	2

NOTE:

1. ALL WOOD POSTS SHALL BE MADE BREAKAWAY BY DRILLING TWO HOLES CENTERED AT 4" AND 18" ABOVE THE GROUNDLINE AND PERPENDICULAR TO THE ROADWAY.
2. ALL SUPPORTS WITHIN THE CLEAR ZONE SHALL BE BREAKAWAY UNLESS PROTECTED.

WOOD POST MODIFICATIONS FOR BREAKAWAY FEATURE

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CONSTRUCTION PHASE 1

NOTE: THE LIMITS OF WORK SHOWN FOR RELOCATED ROAD 50A INCLUDING ROADWAY PAVING, TEMPORARY PAVEMENT FOR FISHERMAN'S PARKING TURNAROUND AREA AND STABILIZATION MUST BE COMPLETE PRIOR TO BEGINNING PHASE 2.

1. INSTALL PERMANENT ADVANCED WARNING SIGNS AS SHOWN ON THE ADVANCED WARNING SIGNS PLAN.

2. MAINTAIN EXISTING TRAFFIC PATTERNS ON SR 1, INLET ROAD, ROAD 50A, ACCESS ROAD A, ACCESS ROAD B. MAINTAIN ACCESS TO THE EXISTING PHASE 1 NORTH PARKING LOT, SOUTH DAY USE PARKING LOT, PINE TREE PARKING LOT AND SOUTH RV CAMPGROUND. MAINTAIN EXISTING CHAIN LINK FENCE AS SHOWN FOR PEDESTRIAN TRAFFIC.

3. INSTALL PERIMETER TRAFFIC CONTROL DEVICES REQUIRED FOR PHASE 1 CONSTRUCTION INCLUDING TYPE III BARRICADES, SIGNS, AND RELOCATING FENCING AS SHOWN FOR PEDESTRIAN TRAFFIC.

4. CLEAR AND GRUB AS REQUIRED TO INSTALL PHASE 1 EROSION AND SEDIMENT CONTROL DEVICES.

5. INSTALL PHASE 1 EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN INCLUDING STABILIZED CONSTRUCTION ENTRANCES AND SILT FENCES.

6. CLEAR AND GRUB PHASE 1 CONSTRUCTION AREA.

7. ESTABLISH PHASE 1 SOIL/ AGGREGATE STOCKPILE AREA AS SHOWN. THE LIMITS OF THE PHASE 1 SOIL STOCKPILE AREA ARE TO BE A MINIMUM OF 175' FROM THE EXISTING BULKHEAD TO MAINTAIN THE INTEGRITY OF THE EXISTING BULKHEAD TIE-BACK SYSTEM.

8. ROUGH GRADE THE FOLLOWING:
   NORTH PARK - ROAD C, NORTH DAY USE PARKING LOT ADJACENT TO ROAD C AND NORTH RV CAMPGROUND BETWEEN ROAD C AND THE SOIL STOCKPILE AREA. WITHIN THE STOCKPILE AREA, KEEP THE SOIL SEPARATED FROM THE AGGREGATE.
   SOUTH PARK ROAD B (LIMITS SHOWN), RELOCATED ROAD 50A (LIMITS SHOWN)

9. BEGIN BUILDING CONSTRUCTION (REFER TO ARCHITECTURAL PLANS FOR BUILDING SEQUENCING):
   NORTH PARK - BUILDING 2 (ADMINISTRATION CONTACT STATION) AND BUILDING 5 (BATH HOUSE)
   SOUTH PARK - BUILDING 8, 9 (REFURBISH EXISTING BATH HOUSES)

10. INSTALL UTILITY MAINS AND SERVICES AS SHOWN. CONTRACTOR TO COORDINATE UTILITY SERVICES WITH UTILITY OWNER:
   NORTH PARK, ELECTRIC - INSTALL CONDUIT TO 2 NEW TRANSFORMERS, PROVIDE SERVICE TO BUILDING 2 AND BUILDING 5. PROVIDE ELECTRIC STUBS FOR FUTURE EXTENSION AS SHOWN.

   NORTH PARK, TELECOM - INSTALL TELECOM CONDUIT TO PROVIDE SERVICE TO BUILDING 2.

   NORTH PARK, WATER - INSTALL WATER MAIN AND SERVICE AS SHOWN TO PROVIDE SERVICE TO BUILDING 5 AND STUB FOR THE OUTDOOR SHOWER FACILITY. THE EXISTING PHASE 1 PARKING LOT MUST BE MAINTAINED WITH ACCESS AT ALL TIMES THROUGHOUT THE PHASE 1 WATER LINE CONSTRUCTION, THEREFORE, DURING THE WATER LINE CONSTRUCTION ACROSS THE EXISTING PARKING LOT EXIT, INSTALL THE TYPE III BARRICADES AND ROAD CLOSED SIGN AS SHOWN. AS SOON AS THE WATER WORK IS COMPLETED, CONTRACTOR SHALL REMOVE THE TYPE III BARRICADES.

   NORTH PARK, SANITARY - INSTALL CONNECTION TO EXISTING MANHOLE FOR BUILDING 5.

   SOUTH PARK, ELECTRIC - INSTALL MAIN TO TRANSFORMER ALONG EXISTING ROAD 50A. UTILIZE DELAWARE MUTCD TA-10 TO INSTALL THE ELECTRIC CONDUIT CROSSING IN HALVES TO MAINTAIN EXISTING ROAD 50A TRAFFIC. ELECTRICAL CONDUIT FOR BUILDING 1W SHALL BE STUBBED AT THE SOUTH SIDE OF EXISTING ROAD 50A FOR FUTURE EXTENSION.

   SOUTH PARK, WATER - INSTALL FIRE HYDRANT AND CONNECTION TO MAIN AT RELOCATED ROAD 50A ROUNDABOUT. INSTALL STUB FOR FUTURE EXTENSION AT BUILDINGS 8 AND 9.

   SOUTH PARK, SANITARY - INSTALL CONNECTION TO EXISTING MANHOLE FOR BUILDINGS 8 AND 9.

   SOUTH PARK, PROPANE - INSTALL STUB FOR FUTURE EXTENSION AT BUILDINGS 8 AND 9. SEE ARCHITECTS/MEP PLANS AND SUBURBAN PROPANE.

11. FINE GRADE PHASE 1 INCLUDING PAVEMENT BOXES, SWALES, AND INSTALL STORM DRAINAGE.

12. INSTALL PERMANENT CURBING, ROADWAY AND PARKING LOT PAVING, AND PEDESTRIAN WALKWAYS AS SHOWN. ROADWAY PAVEMENT FOR ROAD 50A INCLUDES BASE COURSE ONLY, DOES NOT INCLUDE TYPE C SURFACE COURSE AND INCLUDES THE TEMPORARY PAVEMENT FOR FISHERMAN'S PARKING STONE TURNAROUND AREA SHOWN.

13. INSTALL A PORTABLE PCC BARRIER ALONG RELOCATED ROAD 50A, AS SHOWN.

14. INSTALL TEMPORARY PAVEMENT CONNECTION BETWEEN EXISTING ACCESS ROAD B AND RELOCATED ROAD 50A.

15. THE GRADING ALONG RELOCATED ROAD 50A, SIDEWALK CONNECTIONS 1 AND 2 IN SOUTH PARK, SIDEWALK CONNECTIONS 3 AND 4 IN NORTH PARK, SHALL BE THE LAST ORDER OF WORK PRIOR TO BEGINNING PHASE 2. THE CONTRACTOR SHALL INSTALL CONSTRUCTION SAFETY FENCE TO SECURE THE CONSTRUCTION ACTIVITY, REMOVE THE EXISTING CHAIN LINK FENCE, COMPLETE THE GRADING AND SIDEWALK CONNECTIONS, AND STABILIZE THE AFFECTED AREA.

16. STABILIZE DISTURBED AREA WITH STABILIZATION MATTING: INSTALL FILTER STRIPS AND SURFACE TREATMENT. AFTER PHASE 1 INSPECTION AND ACCEPTANCE, REMOVE ALL EROSION AND SEDIMENT CONTROL DEVICES NOT REQUIRED FOR FUTURE CONSTRUCTION PHASES.

17. PHASE 1A INLAND BAYS PARKING LOT ONCE THE CONTRACTOR BEGINS WORK ON THIS AREA, WORK MUST BE CONTINUOUS UNTIL COMPLETE. THE SCHEDULE FOR PHASE 1A NEEDS TO BE COORDINATED WITH THE CENTER FOR INLAND BAYS (CIB) ON-SITE REPRESENTATIVES AND THE USCG OFFICER OF THE DAY A MINIMUM OF 1 MONTH PRIOR TO BEGINNING CONSTRUCTION AND MONTHLY UPDATES MUST BE PROVIDED TO THE CIB AND USCG MONTHLY AFTER CONSTRUCTION ACTIVITY COMMENCES. ACCESS MUST BE MAINTAINED TO THE USCG STATION AT ALL TIMES. TO BEGIN CONSTRUCTION, THE CONTRACTOR SHALL CLEAR AND GRUB AS REQUIRED TO INSTALL PERIMETER EROSION AND SEDIMENT CONTROLS, REMOVE EXISTING PAVEMENT, INSTALL LIGHT POLE FOUNDATION AND STUB ELECTRICAL CONDUIT. INSTALL CURB AND GUTTER AND COORDINATE PERMANENT ENTRANCE PAVEMENT CONSTRUCTION WITH THE USCG. INSTALL POROUS PAVEMENT FOR THE CIB PARKING LOT, STABILIZE DISTURBED AREAS AND REMOVE EROSION AND SEDIMENT CONTROL DEVICES.

CONSTRUCTION PHASES 2A, 2B, 2C & 2 - ADD ALT.

NOTE: PHASE 2A, 2B AND 2C CALENDAR RESTRICTION - OCTOBER 15, 2013 TO MAY 12, 2014. ALL CONSTRUCTION ACTIVITIES SHOWN ON THE PHASE 2 PLANS AND/OR INCLUDED IN THESE NOTES MUST BE COMPLETED IN THESE NOTES MUST BE COMPLETED WITHIN THE ALLOTTED CALENDAR RESTRICTION. PHASE 1 AND PHASE 1A MAY EXTEND INTO PHASE 2 CONSTRUCTION WITH THE EXCEPTION OF THE LIMITS OF RELOCATED ROAD 50A WHICH MUST BE COMPLETED PRIOR TO OCTOBER 15, 2013. INTERIM MILESTONE: THE CONTRACTOR SHALL COMPLETE ALL WORK LISTED IN PHASES ONE AND TWO, INCLUDING RECEIPT OF ALL CERTIFICATES OF OCCUPANCY FOR THE FOLLOWING BUILDINGS NO LATER THAN 12 MAY 2014: BLDG #2 ADMIN CONTACT STATION - NORTH DAY USE PARKING LOT, BLDG #9 SOUTHWEST BATH HOUSE-SOUTH TENT CAMPGROUND, BLDG #8 SOUTHEAST BATH HOUSE-SOUTH TENT CAMPGROUND, BLDG #1E SOUTHEAST CONTACT STATION-DAY USE PARKING LOT,BLDG #1W SOUTH WEST CONTACT STATION-SOUTH RV CAMPGROUND FAILURE TO COMPLETE ALL WORK REQUIREMENTS FOR THE INTERIM MILESTONE BY 12 MAY 2014 SHALL RESULT IN THE ASSESSMENT OF A PARK USER COST IN THE AMOUNT OF $2,460.00 PER DAY.

SEQUENCE OF CONSTRUCTION

CONSTRUCTION PHASES 2A, 2B, 2C & 2 - ADD ALT. CONT.

1. MAINTAIN EXISTING TRAFFIC PATTERNS ON SR 1, INLET ROAD, ROAD 50A, ACCESS ROAD A, ACCESS ROAD B. MAINTAIN ACCESS TO THE EXISTING PHASE 1 NORTH PARKING LOT.

2. INSTALL TRAFFIC CONTROL DEVICES REQUIRED FOR PHASE 2 CONSTRUCTION INCLUDING TYPE III BARRICADES, SIGNING IN ORDER TO CLOSE ACCESS TO SOUTH DAY USE PARKING LOT, PINE TREE PARKING LOT AND SOUTH RV CAMPGROUND. OPEN RELOCATED ROAD 50A CONSTRUCTED AS PART OF PHASE 1 FOR FISHERMAN PARKING DURING PHASE 2A AND 2B CONSTRUCTION. INSTALL/ MAINTAIN/RELOCATE FENCING TO PROVIDE PEDESTRIAN PATHS.

3. MAINTAIN EROSION AND SEDIMENT CONTROL DEVICES FROM PHASE 1 FOR AREAS REMAINING UNDER CONSTRUCTION.

4. CLEAR AND GRUB AS REQUIRED TO INSTALL PERIMETER EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN IN PHASE 2A & 2 - ADD ALTERNATE CONSTRUCTION.

5. INSTALL PHASE 2A & 2 - ADD ALTERNATE EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN INCLUDING STABILIZED CONSTRUCTION ENTRANCES AND SILT FENCES.

6. CLEAR AND GRUB PHASE 2A & 2 - ADD ALTERNATE CONSTRUCTION AREA.

7. ROUGH GRADE THE FOLLOWING:
   SOUTH PARK - SOUTH DAY USE PARKING LOT, SOUTH RV CAMPGROUND IMPROVEMENTS, TEMPORARY PAVEMENT FOR TEMPORARY RELOCATED ROAD 50A AND SOUTH PROMENADE.

8. CONSTRUCT TEMPORARY PAVEMENT REQUIRED FOR TEMPORARY ROAD 50A THROUGH THE SOUTH RV CAMPGROUND, CLOSE THE EASTBOUND LANE OF ROAD 50A DURING THE TEMPORARY PAVEMENT TIE-IN CONSTRUCTION TO EXISTING PAVEMENT USING TA-10 AS SHOWN, INSTALL TEMPORARY STRIPING AND TEMPORARY TRAFFIC CONTROL DEVICES TO SHIFT ROAD 50A TRAFFIC ONTO TEMPORARY ROAD 50A.

9. BEGIN BUILDING CONSTRUCTION (REFER TO ARCHITECTURAL PLANS FOR BUILDING SEQUENCING):
   SOUTH PARK - BUILDING 1W (CAMPGROUND CONTACT STATION), BUILDING 1E (SOUTH DAY USE CONTACT STATION) BUILDING CONSTRUCTION MUST BE COMPLETE AND OBTAIN CERTIFICATE OF OCCUPANCY DURING PHASE 2A CALENDAR RESTRICTION.

10. INSTALL UTILITY MAINS AND SERVICES AS SHOWN:
   SOUTH PARK, ELECTRIC - CONTINUE ELECTRIC SERVICE FROM THE STUB CONSTRUCTED IN PHASE 1 CONSTRUCTED TO BUILDING 1W. INSTALL ELECTRIC SERVICE FOR BUILDING 1E FROM THE EXISTING DELMARVA POWER METER AT THE BATH HOUSE. INSTALL ELECTRIC OUTLETS IN SOUTH DAY USE PARKING LOT. INSTALL ELECTRIC SERVICES, LIGHTING, AND OUTLETS FOR SOUTH PROMENADE.

   SOUTH PARK, TELECOM - INSTALL CONDUIT FROM THE EXISTING PEDESTAL TO BUILDING 1E. COORDINATION IS REQUIRED WITH VERIZON TO CONVERT THE EXISTING PEDESTAL TO A FLUSH HANDHOLE. INSTALL TELECOM SERVICE TO BUILDING 1W.

   SOUTH PARK, WATER - INSTALL NEW HOSE STATION WITHIN THE SOUTH DAY USE PARKING LOT AND SOUTH TENT CAMPGROUND.

   SOUTH PARK, RV CAMPGROUND EXPANSION - INSTALL WATER, ELECTRIC AND SANITARY SERVICES WITHIN THE SOUTH RV CAMPGROUND AS SHOWN.

   SOUTH PARK, PROPANE - INSTALL THE PROPOSED PROPANE TANKS AND CONCRETE PAD AND PROPOSED MAINS TO BUILDINGS 8 AND 9 PER THE ARCHITECTS/MEP PLANS AND SURBURBAN PROPANE.

11. INSTALL EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN ON PHASE 2B PLANS.

12. ROUGH GRADE RELOCATED ROAD 50A AREA SHOWN ON PHASE 2B PLANS.

13. FINE GRADE PHASE 2A, 2B, AND PHASE 2 - ADD ALTERNATE INCLUDING PAVEMENT BOXES, PROMENADE, SWALES AND INSTALL STORM DRAINAGE.

14. INSTALL PERMANENT CURBING, ROADWAY AND PARKING LOT PAVING, PEDESTRIAN WALKWAYS AND GATE AS SHOWN. ROADWAY PAVEMENT FOR ROAD 50A INCLUDES BASE COURSE ONLY, DOES NOT INCLUDE TYPE C SURFACE COURSE. SOUTH DAY USE PARKING LOT BASE COURSE SHALL UTILIZE EXISTING ON-SITE CRUSHED CONCRETE STOCKPILE.

15. UPON COMPLETION OF RELOCATED 50A PAVEMENT, REMOVE BARRIER AND INSTALL GUARDRAIL ALONG RELOCATED ROAD 50A USING TA-10.

16. STABILIZE DISTURBED AREA WITH STABILIZATION MATTING, INSTALL FILTER STRIPS, SURFACE TREATMENT AND LANDSCAPING.

17. SCHEDULE INSPECTION FOR PHASE 2A AND 2B WORK WEST OF SR 1 IN ORDER TO COMPLETE PHASE 2C WORK WITHIN THE CALENDAR RESTRICTION.

18. UTILIZE DELAWARE MUTCD TA-10 TO COMPLETE THE RELOCATED ROAD 50A WESTERN CONNECTION TO EXISTING ROAD 50A SHOWN IN PHASE 2B. ALSO UTILIZE DELAWARE MUTCD TA-10 TO COMPLETE THE EASTERN CONNECTION AND INSTALL THE BUS STOP PULL OFF AND PAD.

19. REMOVE TRAFFIC CONTROL DEVICES DETOURING ROAD 50 A TRAFFIC AND OPEN RELOCATED ROAD 50A TO TRAFFIC AS SHOWN ON PHASE 2C PLANS.

20. INSTALL EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN ON PHASE 2C PLANS.

21. CLEAR AND GRUB AND ROUGH GRADE PARKING LOT ALONG RELOCATED ROAD 50A, SOUTH TENT CAMPGROUND, SOUTH RV CAMPGROUND ENTRANCE AND EXPANSION AREA SHOWN ON PHASE 2C PLANS.

22. COMPLETE UTILITY SERVICES IN SOUTH RV CAMPGROUND EXPANSION, SOUTH TENT CAMPGROUND, AND INSTALL ELECTRIC SERVICE. EXTEND LIGHTING CONDUIT FOR SOUTH FISHERMAN'S PARKING LOT AND LIGHTING ALONG SOUTH CAMPGROUND ENTRANCE.

23. FINE GRADE PHASE 2C INCLUDING PAVEMENT BOXES AND SWALES, AND INSTALL STORM DRAINAGE.

24. COMPLETE PERMANENT CURBING, ROADWAY AND PARKING LOT PAVING, PEDESTRIAN WALKWAYS, SOUTH PROMENADE AS SHOWN ON PLANS FOR HASES 2A, 2B, 2C, & 2 - ADD ALTERNATE.

25. SOUTH PARK, RV CAMPGROUND EXPANSION - INSTALL WATER, ELECTRIC AND SANITARY SERVICES WITHIN THE SOUTH RV CAMPGROUND AS SHOWN.STABILIZE DISTURBED AREA WITH STABILIZATION MATTING, INSTALL FILTER STRIPS, SURFACE TREATMENT AND LANDSCAPING.

26. AFTER PHASE 2 INSPECTION AND ACCEPTANCE, REMOVE ALL EROSION AND SEDIMENT CONTROL DEVICES NOT REQUIRED FOR FUTURE CONSTRUCTION PHASES.

27. OPEN SOUTH DAY USE PARKING LOT, SOUTH TENT CAMPGROUND, SOUTH PROMENADE, SOUTH RV CAMPGROUND AND EXPANSION, BUILDING 1E AND BUILDING 1W.

CONSTRUCTION PHASE 3A

NOTE: PHASE 3 INCLUDES CONSTRUCTION ACTIVITY ON BOTH THE NORTH AND SOUTH SIDES OF THE INLET. THE PHASE 3 CONSTRUCTION ACTIVITY WITHIN SOUTH PARK MUST NOT BEGIN UNTIL THE COMPLETION AND ACCEPTANCE OF THE PHASE 2 CONSTRUCTION AND OPENING OF TRAFFIC TO THE CONFIGURATION SHOWN ON PHASE 3. THE PHASE 3 CONSTRUCTION ACTIVITY WITHIN NORTH PARK CAN BEGIN UPON COMPLETION, ACCEPTANCE AND OPENING THE NORTH DAY USE PARKING LOT, ACCESS ROAD C, AND BUILDING 2. THE CONTRACTOR SHALL COMPLETE ALL WORK LISTED IN PHASE THREE INCLUDING RECEIPT OF ALL CERTIFICATES OF OCCUPANCY FOR THE FOLLOWING BUILDINGS NO LATER THAN 29 AUGUST 2014:
BLDG #3 RV LAUNDRY FACILITY-NORTH RV PARK
BLDG #4 RV SHOWER FACILITY-NORTH RV PARK
BLDG #5 BATH HOUSE-NORTH DAY USE PARKING LOT
FAILURE TO COMPLETE ALL WORK IN PHASE THREE INCLUDING RECEIPT OF ALL CERTIFICATES OF OCCUPANCY FOR THE PREVIOUSLY MENTIONED BUILDINGS NO LATER THAN 29 AUGUST 2014 WILL RESULT IN THE ASSESSMENT OF A PARK USER COST IN THE AMOUNT OF $1,230.00 PER DAY IN ADDITION TO LIQUIDATED DAMAGES.

1. MAINTAIN TRAFFIC PATTERNS ON SR 1, INLET ROAD, ROAD 50A, ACCESS ROAD A, ACCESS ROAD B, RELOCATED 50A FROM PHASE 2. OPEN ACCESS ROAD C AND THE NORTH DAY USE PARKING LOT.

2. INSTALL TRAFFIC CONTROL DEVICES REQUIRED FOR PHASE 3 CONSTRUCTION INCLUDING TYPE III BARRICADES, SIGNING AND RELOCATING/MAINTAINING/INSTALLING CHAIN LINK FENCING IN ORDER TO CLOSE ACCESS TO PHASE 1 NORTH PARKING LOT AND SECURE THE PHASE 3 CONSTRUCTION AREA.

3. MAINTAIN EROSION AND SEDIMENT CONTROL DEVICES FROM PHASE 1 AND 2 FOR AREAS REMAINING UNDER CONSTRUCTION.

4. CLEAR AND GRUB AS REQUIRED TO INSTALL PERIMETER EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN IN PHASE 3 CONSTRUCTION.

5. INSTALL PHASE 3 EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN INCLUDING STABILIZED CONSTRUCTION ENTRANCES AND SILT FENCES.

6. CLEAR AND GRUB PHASE 3 CONSTRUCTION AREA.

7. ROUGH GRADE THE FOLLOWING:
   NORTH PARK - RV CAMPGROUND, PLAYGROUND, REMOVE EXISTING SOIL STOCKPILE AND UTILIZE STOCKPILE TO GRADE THE WEST PORTION OF THE RV CAMPGROUND.

8. BEGIN BUILDING 3 (LAUNDRY FACILITY) AND 4 (RV SHOWER FACILITY) CONSTRUCTION IN NORTH PARK, REFER TO ARCHITECTURAL PLANS FOR BUILDING SEQUENCING.

9. INSTALL UTILITY MAINS AND SERVICES AS SHOWN. CONTRACTOR TO COORDINATE UTILITY SERVICES WITH UTILITY OWNER.
   NORTH PARK, ELECTRIC - INSTALL ELECTRIC CONDUIT FROM TRANSFORMERS INSTALLED IN PHASE 1, EXISTING TRANSFORMER AND NEW TRANSFORMERS FOR SERVICES WITHIN CAMPGROUND INCLUDING BUILDINGS 3 AND 4, CAMPSITES AND LIGHTING

   NORTH PARK, WATER - INSTALL REMAINING WATER MAIN AND SERVICES INCLUDING FOR BUILDINGS 3 AND 4 AND RV PADS AS SHOWN. CONDUCT WATER TESTING AND INSPECTION.

   NORTH PARK, SANITARY - INSTALL SERVICES FOR TWO (2) HOST CAMPSITES WITHIN CAMPGROUND, SERVICES FOR BUILDINGS 3 AND 4 AND SANITARY CLEANOUT.

   NORTH PARK, PROPANE - INSTALL THE PROPOSED PROPANE TANKS AND CONCRETE PAD AND PROPOSED MAIN TO BUILDINGS 3 AND 4 PER THE ARCHITECTS/MEP PLANS AND SUBURBAN PROPANE.

10. FINE GRADE INCLUDING PAVEMENT BOXES, SWALES AND STORM DRAINAGE.

11. INSTALL PERMANENT CURBING, PAVEMENT, FENCING AND PEDESTRIAN WALKWAYS WITHIN PHASE 3A. COORDINATE PLAYGROUND EQUIPMENT INSTALLATION WITH DNREC AND DELDOT CONSTRUCTION A MINIMUM OF 3 MONTHS PRIOR TO INSTALLING FENCING SURROUNDING PLAYGROUND.

12. INSTALL TYPE C SURFACE COURSE FOR RELOCATED ROAD 50A USING DELAWARE MUTCD TA-10 AND TA-17B FOR PERMANENT STRIPING.

13. STABILIZE DISTURBED AREA WITH STABILIZATION MATTING, INSTALL FILTER STRIPS AND SURFACE TREATMENT.

14. SCHEDULE INSPECTION OF PHASE 3A AND OBTAIN CERTIFICATE OF OCCUPANCY FOR BUILDINGS 3 AND 4.

15. AFTER INSPECTION AND ACCEPTANCE, REMOVE ALL EROSION AND SEDIMENT CONTROL DEVICES.

16. REMOVE ALL TRAFFIC CONTROL DEVICES.

CONSTRUCTION PHASE 3B

NOTE: PHASE 3B INCLUDES ADD ALTERNATES THAT MAY OR MAY NOT BE INCLUDED IN THIS CONTRACT. PHASE 3B SHALL OCCUR CONCURRENTLY WITH PHASE 3A.

1. MAINTAIN PHASE 3A TRAFFIC PATTERNS. INSTALL/MAINTAIN/RELOCATE FENCING AND TRAFFIC CONTROL DEVICES AS SHOWN TO SECURE CONSTRUCTION WORK AREA AND PROVIDE PEDESTRIAN PATHS.

2. MAINTAIN EROSION AND SEDIMENT CONTROL DEVICES FROM PREVIOUS PHASES AND INSTALL EROSION AND SEDIMENT CONTROL DEVICES REQUIRED FOR PHASE 3B INCLUDING STABILIZED CONSTRUCTION ENTRANCES AND SILT FENCES.

3. CLEAR AND GRUB AS REQUIRED.

4. ROUGH GRADE AREAS OF PHASE 3B TO BE CONSTRUCTED INCLUDING THE MSE WALLS.

5. INSTALL ELECTRICAL UTILITY SERVICES FOR PHASE 3B INCLUDING LIGHTING AND OUTLETS. INSTALL WATER MAIN TO OUTDOOR SHOWER FACILITY FROM PREVIOUSLY CONSTRUCTED STUB.

6. FINE GRADE INCLUDING PAVEMENT BOXES FOR PHASE 3B.

7. INSTALL PERMANENT PAVEMENT AND PEDESTRIAN WALKWAYS AND PARK AMENITIES.

8. STABILIZE DISTURBED AREA WITH STABILIZATION MATTING AND SURFACE TREATMENT.

9. AFTER INSPECTION AND ACCEPTANCE, REMOVE ALL EROSION AND SEDIMENT CONTROL DEVICES.

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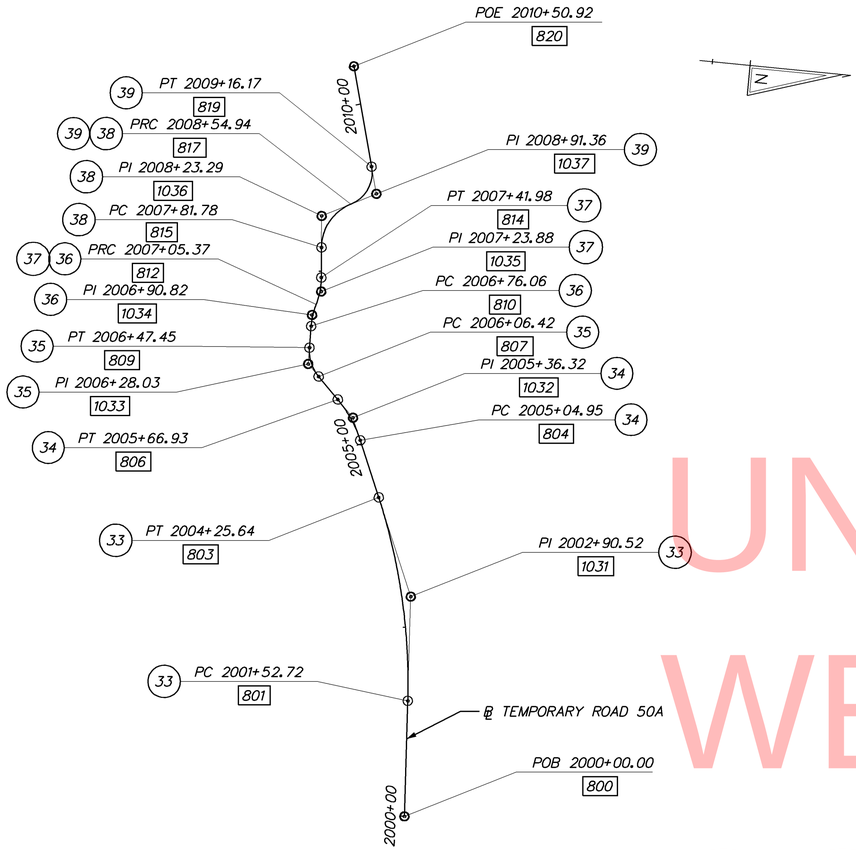


CONSTRUCTION ALIGNMENT CONTROL

POINT	STATION	OFFSET	NORTHING	EASTING
800	2000+00.00	0	220867.0071	756490.7612
801	2001+52.72	0	220856.3567	756338.4128
1031	2002+90.52	0	220846.7469	756200.9495
802	--	0	220058.3045	756394.2032
803	2004+25.64	0	220791.6998	756074.6234
804	2005+04.95	0	220760.0183	756001.9184
1032	2005+36.32	0	220747.4850	755973.1560
805	--	0	220611.5058	756066.6333
806	2005+66.93	0	220725.1199	755951.1524
807	2006+06.42	0	220696.9659	755923.4536
1033	2006+28.03	0	220681.5661	755908.3027
808	--	0	220734.1360	755885.6728
809	2006+47.45	0	220681.1460	755886.7034
810	2006+76.06	0	220680.5897	755858.0996
1034	2006+90.82	0	220680.3027	755843.3400
811	--	0	220780.5708	755856.1551
812	2007+05.37	0	220684.2927	755829.1270
1035	2007+23.88	0	220689.2952	755811.3072
813	--	0	220588.0145	755802.0988
814	2007+41.98	0	220687.5885	755792.8774
815	2007+81.78	0	220683.9185	755753.2484
1036	2008+23.29	0	220680.0899	755711.9070
816	--	0	220745.6543	755747.5311
817	2008+54.94	0	220716.8585	755692.6239
1037	2008+91.36	0	220749.1062	755675.7118
818	--	0	220695.9584	755652.7719
819	2009+16.17	0	220739.2937	755640.6455
820	2010+50.92	0	220702.9824	755510.8819

TEMPORARY ROAD 50A

CIRCULAR CURVE NO. 33

ELEMENT: CIRCULAR

	STATION	NORTHING	EASTING
PC (801)	2001+52.72	220856.3567	756338.4128
PI (1031)	2002+90.52	220846.7469	756200.9495
CC (802)		220058.3045	756394.2032
PT (803)	2004+25.64	220791.6998	756074.6234

RADIUS: 800.0000
DELTA: 19°32'47.0642" LEFT
DEGREE OF CURVATURE (ARC): 7°09'43.1008"
LENGTH: 272.9193
TANGENT: 137.7987
CHORD: 271.5978
MIDDLE ORDINATE: 11.6101
EXTERNAL: 11.7811
TANGENT DIRECTION: S 86°00'03.8132" W
RADIAL DIRECTION: N 3°59'56.1868" W
CHORD DIRECTION: S 76°13'40.2811" W
RADIAL DIRECTION: N 23°32'43.2512" W
TANGENT DIRECTION: S 66°27'16.7488" W

CIRCULAR CURVE NO. 34

ELEMENT: CIRCULAR

	STATION	NORTHING	EASTING
PC (804)	2005+04.95	220760.0183	756001.9184
PI (1032)	2005+36.32	220747.4850	755973.1560
CC (805)		220611.5058	756066.6333
PT (806)	2005+66.93	220725.1199	755951.1524

RADIUS: 162.0000
DELTA: 21°55'17.4493" LEFT
DEGREE OF CURVATURE (ARC): 35°22'03.9546"
LENGTH: 61.9816
TANGENT: 31.3745
CHORD: 61.6043
MIDDLE ORDINATE: 2.9553
EXTERNAL: 3.0102
TANGENT DIRECTION: S 66°27'16.7488" W
RADIAL DIRECTION: N 23°32'43.2512" W
CHORD DIRECTION: S 55°29'38.0242" W
RADIAL DIRECTION: N 45°28'00.7005" W
TANGENT DIRECTION: S 44°31'59.2995" W

CIRCULAR CURVE NO. 35

ELEMENT: CIRCULAR

	STATION	NORTHING	EASTING
PC (807)	2006+06.42	220696.9659	755923.4536
PI (1033)	2006+28.03	220681.5661	755908.3027
CC (808)		220734.1360	755885.6728
PT (809)	2006+47.45	220681.1460	755886.7034

RADIUS: 53.0000
DELTA: 44°21'09.6533" RIGHT
DEGREE OF CURVATURE (ARC): 108°06'18.8797"
LENGTH: 41.0273
TANGENT: 21.6034
CHORD: 40.0106
MIDDLE ORDINATE: 3.9206
EXTERNAL: 4.2338
TANGENT DIRECTION: S 44°31'59.2995" W
RADIAL DIRECTION: N 45°28'00.7005" W
CHORD DIRECTION: S 66°42'34.1262" W
RADIAL DIRECTION: N 1°06'51.0471" W
TANGENT DIRECTION: S 88°53'08.9530" W

CIRCULAR CURVE NO. 36

ELEMENT: CIRCULAR

	STATION	NORTHING	EASTING
PC (810)	2006+76.06	220680.5897	755858.0996
PI (1034)	2006+90.82	220680.3027	755843.3400
CC (811)		220780.5708	755856.1551
PRC (812)	2007+05.37	220684.2927	755829.1270

RADIUS: 100.0000
DELTA: 16°47'42.7275" RIGHT
DEGREE OF CURVATURE (ARC): 57°17'44.8062"
LENGTH: 29.3132
TANGENT: 14.7624
CHORD: 29.2083
MIDDLE ORDINATE: 1.0722
EXTERNAL: 1.0838
TANGENT DIRECTION: S 88°53'08.9530" W
RADIAL DIRECTION: N 1°06'51.0471" W
CHORD DIRECTION: N 82°42'59.6833" W
RADIAL DIRECTION: N 15°40'51.6806" E
TANGENT DIRECTION: N 74°19'08.3194" W

CIRCULAR CURVE NO. 37

ELEMENT: CIRCULAR

	STATION	NORTHING	EASTING
PRC (812)	2007+05.37	220684.2927	755829.1270
PI (1035)	2007+23.88	220689.2952	755811.3072
CC (813)		220588.0145	755802.0988
PT (814)	2007+41.98	220687.5885	755792.8774

RADIUS: 100.0000
DELTA: 20°58'19.3717" LEFT
DEGREE OF CURVATURE (ARC): 57°17'44.8062"
LENGTH: 36.6031
TANGENT: 18.5087
CHORD: 36.3991
MIDDLE ORDINATE: 1.6701
EXTERNAL: 1.6984
TANGENT DIRECTION: N 74°19'08.3194" W
RADIAL DIRECTION: N 15°40'51.6806" E
CHORD DIRECTION: N 84°48'18.0054" W
RADIAL DIRECTION: N 5°17'27.6911" W
TANGENT DIRECTION: S 84°42'32.3089" W

CIRCULAR CURVE NO. 38

ELEMENT: CIRCULAR

	STATION	NORTHING	EASTING
PC (815)	2007+81.78	220683.9185	755753.2484
PI (1036)	2008+23.29	220680.0899	755711.9070
CC (816)		220745.6543	755747.5311
PRC (817)	2008+54.94	220716.8585	755692.6239

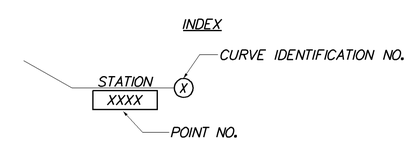
RADIUS: 62.0000
DELTA: 67°36'59.5537" RIGHT
DEGREE OF CURVATURE (ARC): 92°24'45.1714"
LENGTH: 73.1681
TANGENT: 41.5183
CHORD: 68.9955
MIDDLE ORDINATE: 10.4839
EXTERNAL: 12.6175
TANGENT DIRECTION: S 84°42'32.3089" W
RADIAL DIRECTION: N 5°17'27.6911" W
CHORD DIRECTION: N 61°28'57.9141" W
RADIAL DIRECTION: N 62°19'31.8627" E
TANGENT DIRECTION: N 27°40'28.1374" W

CIRCULAR CURVE NO. 39

ELEMENT: CIRCULAR

	STATION	NORTHING	EASTING
PRC (817)	2008+54.94	220716.8585	755692.6239
PI (1037)	2008+91.36	220749.1062	755675.7118
CC (818)		220695.9584	755652.7719
PT (819)	2009+16.17	220739.2937	755640.6455

RADIUS: 45.0000
DELTA: 77°57'30.8207" LEFT
DEGREE OF CURVATURE (ARC): 127°19'26.2361"
LENGTH: 61.2285
TANGENT: 36.4133
CHORD: 56.6135
MIDDLE ORDINATE: 10.0182
EXTERNAL: 12.8872
TANGENT DIRECTION: N 27°40'28.1374" W
RADIAL DIRECTION: N 62°19'31.8627" E
CHORD DIRECTION: N 66°39'13.5476" W
RADIAL DIRECTION: N 15°37'58.9580" W
TANGENT DIRECTION: S 74°22'01.0419" W



DATUMS

HORIZONTAL - PROJECT BASED ON THE DELAWARE STATE PLANE COORDINATE SYSTEM (NAD 83)

VERTICAL - PLAN ELEVATIONS ARE BASED ON N.G.S. SURVEY DATUM (NAVD 88)

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DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 100 200 300 FEET

INDIAN RIVER INLET PARK ENHANCEMENTS

CONTRACT	BRIDGE NO.	X
T200507303	DESIGNED BY: RK&K	
COUNTY		
SUSSEX	CHECKED BY: RK&K	

HORIZONTAL AND VERTICAL CONTROL (MOT BASELINES)

CS04
SHEET NO. 89
TOTAL SHTS. 282

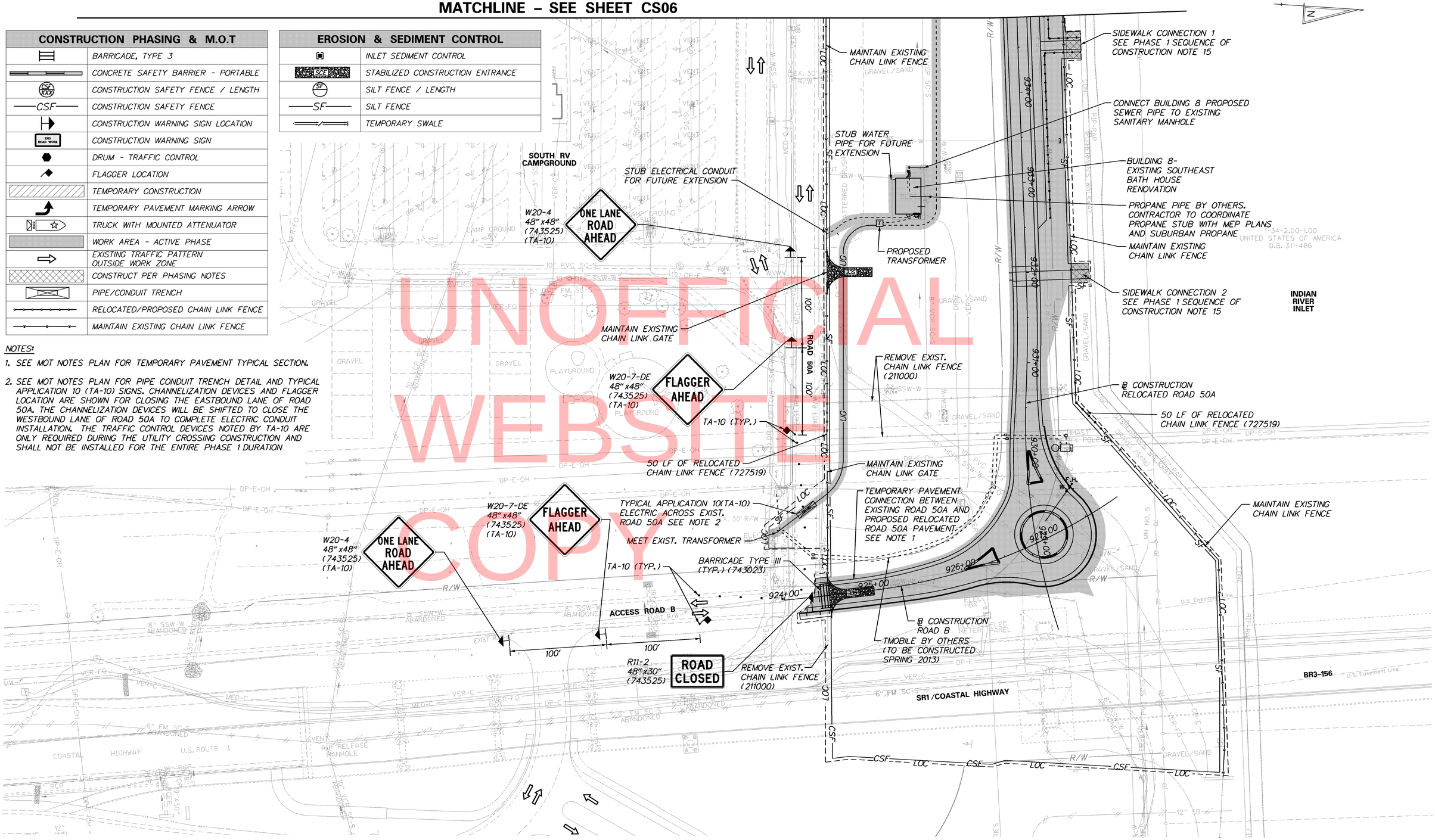
MATCHLINE – SEE SHEET CS06

CONSTRUCTION PHASING & M.O.T	
	BARRICADE, TYPE 3
	CONCRETE SAFETY BARRIER - PORTABLE
CSF XXX	CONSTRUCTION SAFETY FENCE / LENGTH
—CSF—	CONSTRUCTION SAFETY FENCE
	CONSTRUCTION WARNING SIGN LOCATION
END ROAD WORK	CONSTRUCTION WARNING SIGN
	DRUM - TRAFFIC CONTROL
	FLAGGER LOCATION
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	TRUCK WITH MOUNTED ATTENUATOR
	WORK AREA - ACTIVE PHASE
	EXISTING TRAFFIC PATTERN OUTSIDE WORK ZONE
	CONSTRUCT PER PHASING NOTES
	PIPE/CONDUIT TRENCH
	RELOCATED/PROPOSED CHAIN LINK FENCE
	MAINTAIN EXISTING CHAIN LINK FENCE

EROSION & SEDIMENT CONTROL	
	INLET SEDIMENT CONTROL
CSE	STABILIZED CONSTRUCTION ENTRANCE
SF	SILT FENCE / LENGTH
—SF—	SILT FENCE
	TEMPORARY SWALE

NOTES:

1. SEE MOT NOTES PLAN FOR TEMPORARY PAVEMENT TYPICAL SECTION.
2. SEE MOT NOTES PLAN FOR PIPE CONDUIT TRENCH DETAIL AND TYPICAL APPLICATION 10 (TA-10) SIGNS. CHANNELIZATION DEVICES AND FLAGGER LOCATION ARE SHOWN FOR CLOSING THE EASTBOUND LANE OF ROAD 50A. THE CHANNELIZATION DEVICES WILL BE SHIFTED TO CLOSE THE WESTBOUND LANE OF ROAD 50A TO COMPLETE ELECTRIC CONDUIT INSTALLATION. THE TRAFFIC CONTROL DEVICES NOTED BY TA-10 ARE ONLY REQUIRED DURING THE UTILITY CROSSING CONSTRUCTION AND SHALL NOT BE INSTALLED FOR THE ENTIRE PHASE 1 DURATION



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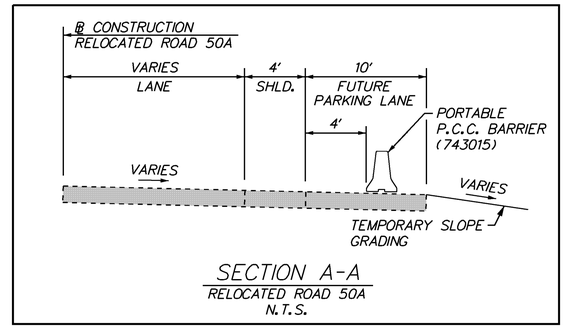
DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 50 100 150 FEET	INDIAN RIVER INLET PARK ENHANCEMENTS	CONTRACT T200507303	BRIDGE NO. X	CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN PHASE 1 – (BASE BID)	CS05
				COUNTY SUSSEX	DESIGNED BY: RK&K		SHEET NO. 90
					CHECKED BY: RK&K		TOTAL SHTS. 282

CONSTRUCTION PHASING & M.O.T	
	BARRICADE, TYPE 3
	CONCRETE SAFETY BARRIER - PORTABLE
CSF XXX	CONSTRUCTION SAFETY FENCE / LENGTH
—CSF—	CONSTRUCTION SAFETY FENCE
	CONSTRUCTION WARNING SIGN LOCATION
END ROAD WORK	CONSTRUCTION WARNING SIGN
	DRUM - TRAFFIC CONTROL
	FLAGGER LOCATION
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	TRUCK WITH MOUNTED ATTENUATOR
	WORK AREA - ACTIVE PHASE
	EXISTING TRAFFIC PATTERN OUTSIDE WORK ZONE
	CONSTRUCT PER PHASING NOTES
	PIPE/CONDUIT TRENCH
	RELOCATED/PROPOSED CHAIN LINK FENCE
	MAINTAIN EXISTING CHAIN LINK FENCE

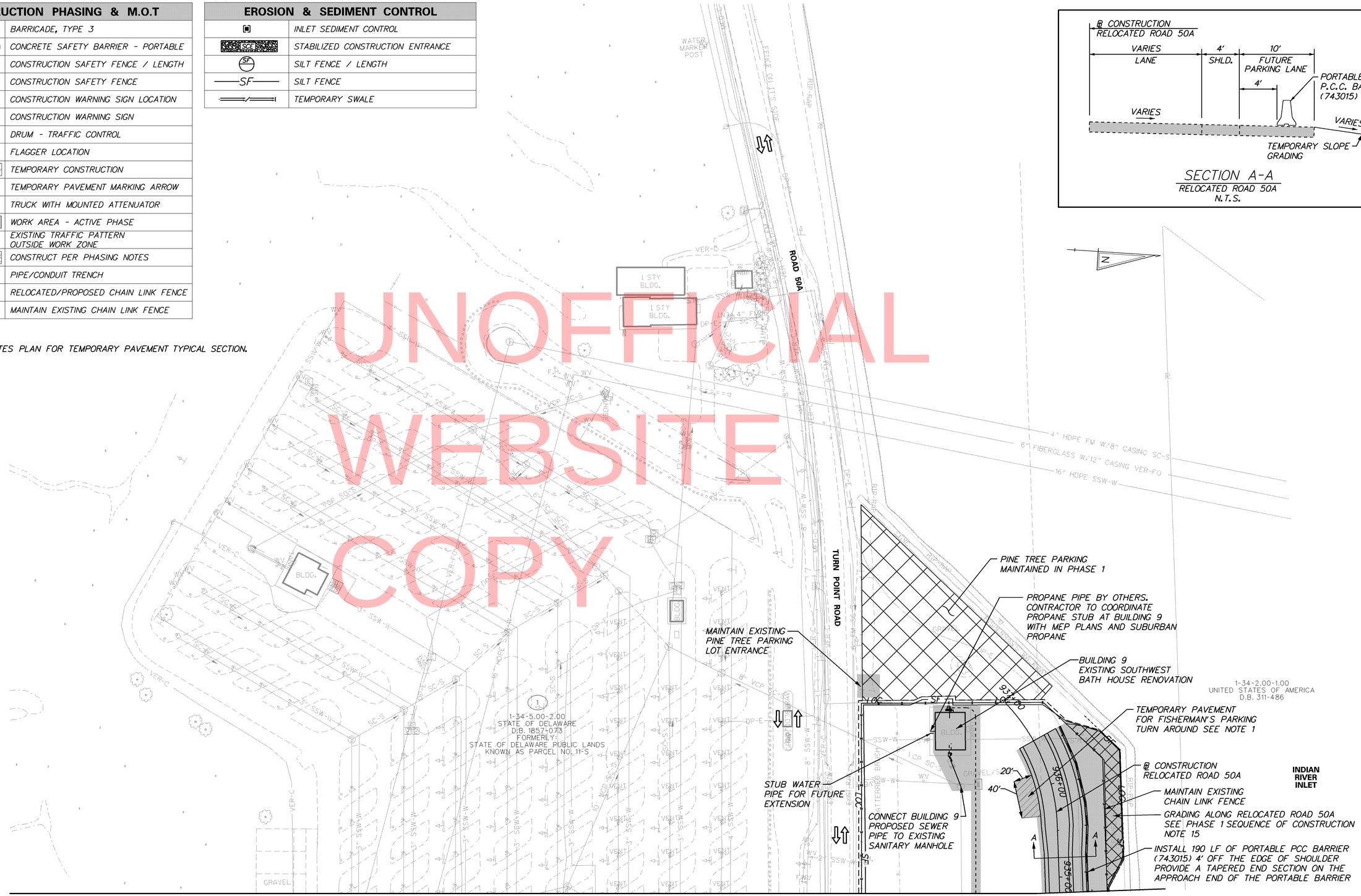
EROSION & SEDIMENT CONTROL	
	INLET SEDIMENT CONTROL
SCE	STABILIZED CONSTRUCTION ENTRANCE
SF	SILT FENCE / LENGTH
—SF—	SILT FENCE
	TEMPORARY SWALE

NOTE:

1. SEE MOT NOTES PLAN FOR TEMPORARY PAVEMENT TYPICAL SECTION.



SECTION A-A
RELOCATED ROAD 50A
N.T.S.



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MATCHLINE – SEE SHEET CS05

DELAWARE DEPARTMENT OF TRANSPORTATION	ADDENDUMS / REVISIONS	SCALE 0 50 100 150 FEET	INDIAN RIVER INLET PARK ENHANCEMENTS	CONTRACT T200507303	BRIDGE NO. X	CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN PHASE 1 – (BASE BID)	CS06
				COUNTY SUSSEX	DESIGNED BY: RK&K		SHEET NO. 91
					CHECKED BY: RK&K		TOTAL SHTS. 282

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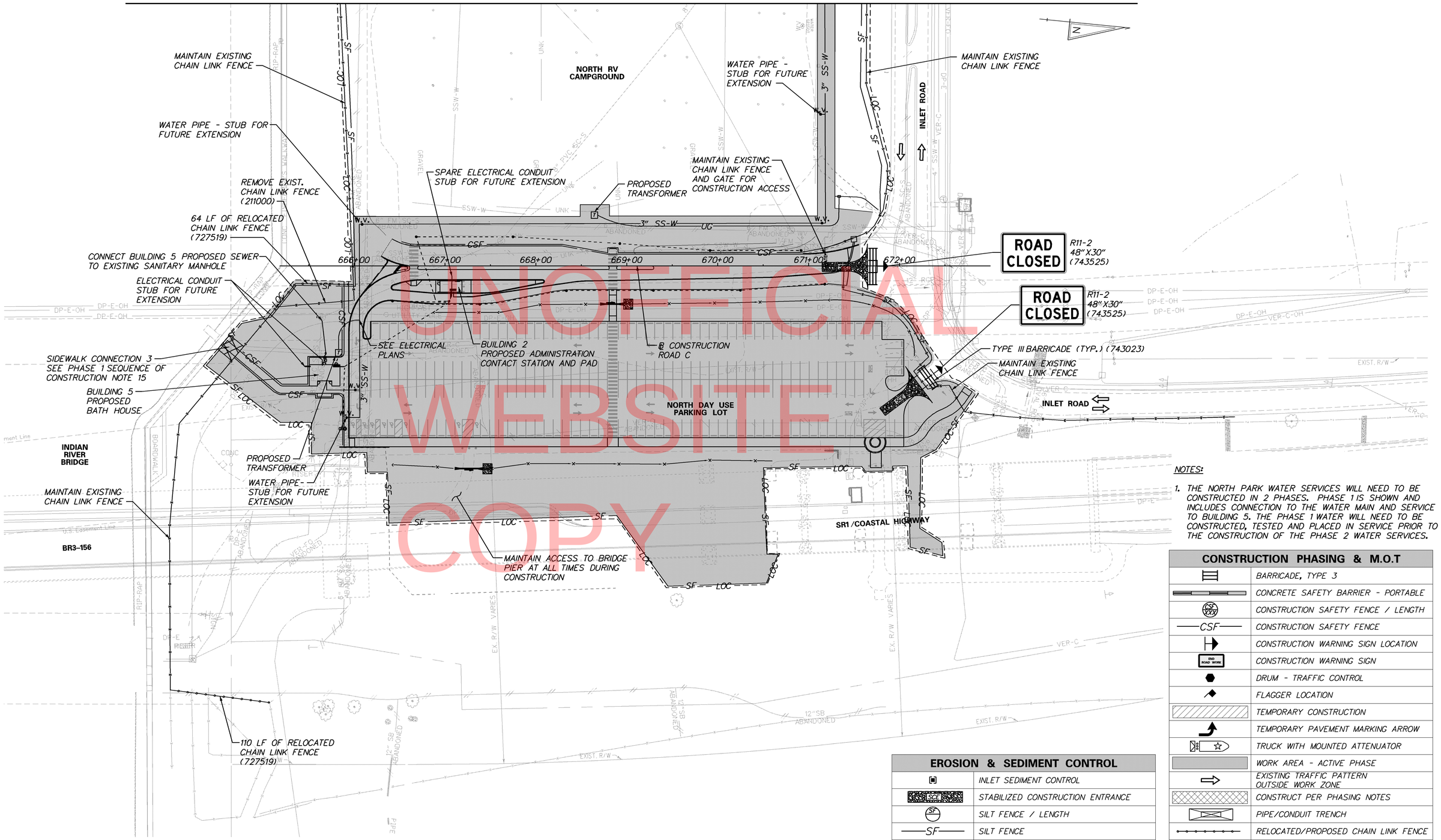
MATCHLINE – SEE SHEET CS08



NOTES:

1. THE NORTH PARK WATER SERVICES WILL NEED TO BE CONSTRUCTED IN 2 PHASES. PHASE 1 IS SHOWN AND INCLUDES CONNECTION TO THE WATER MAIN AND SERVICE TO BUILDING 5. THE PHASE 1 WATER WILL NEED TO BE CONSTRUCTED, TESTED AND PLACED IN SERVICE PRIOR TO THE CONSTRUCTION OF THE PHASE 2 WATER SERVICES.

CONSTRUCTION PHASING & M.O.T	
	BARRICADE, TYPE 3
	CONCRETE SAFETY BARRIER - PORTABLE
CSF XXX	CONSTRUCTION SAFETY FENCE / LENGTH
—CSF—	CONSTRUCTION SAFETY FENCE
	CONSTRUCTION WARNING SIGN LOCATION
END ROAD WORK	CONSTRUCTION WARNING SIGN
	DRUM - TRAFFIC CONTROL
	FLAGGER LOCATION
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	TRUCK WITH MOUNTED ATTENUATOR
	WORK AREA - ACTIVE PHASE
	EXISTING TRAFFIC PATTERN OUTSIDE WORK ZONE
	CONSTRUCT PER PHASING NOTES
	PIPE/CONDUIT TRENCH
	RELOCATED/PROPOSED CHAIN LINK FENCE
	MAINTAIN EXISTING CHAIN LINK FENCE

EROSION & SEDIMENT CONTROL	
	INLET SEDIMENT CONTROL
SCE	STABILIZED CONSTRUCTION ENTRANCE
SF	SILT FENCE / LENGTH
—SF—	SILT FENCE
	TEMPORARY SWALE

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 50 100 150 FEET

INDIAN RIVER INLET PARK ENHANCEMENTS

CONTRACT	BRIDGE NO.	X
T200507303	DESIGNED BY: RK&K	
COUNTY		
SUSSEX	CHECKED BY: RK&K	

CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN PHASE 1 – (BASE BID)

CS07
SHEET NO.
92
TOTAL SHTS.
282

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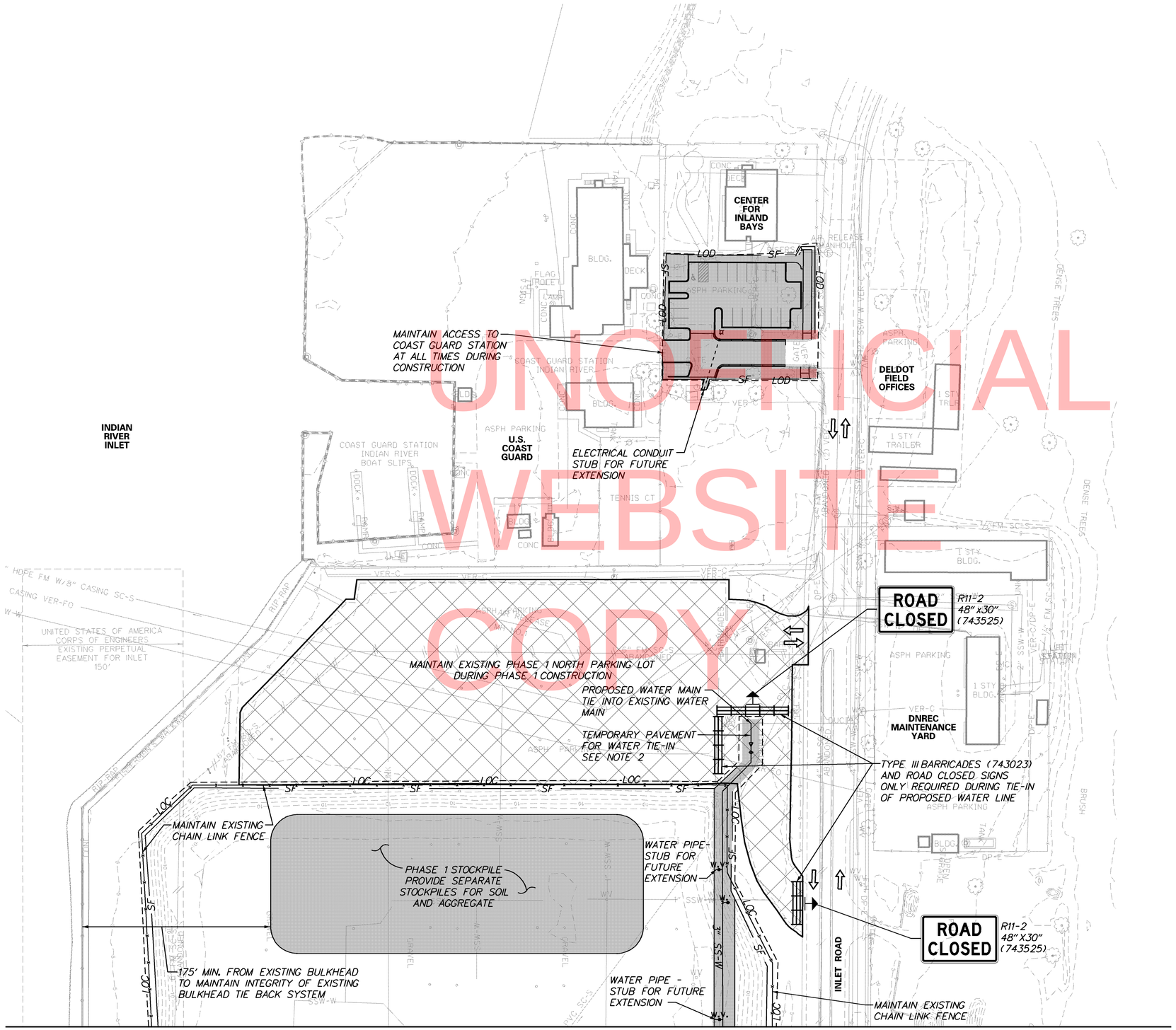

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MATCHLINE – SEE SHEET CS07

NOTES:

1. THE COMPREHENSIVE NORTH PARK WATER SERVICES WILL NEED TO BE CONSTRUCTED IN 2 PHASES. PHASE 1 IS SHOWN AND INCLUDES CONNECTION TO THE WATER MAIN AND SERVICE TO BUILDING 5. THE PHASE 1 WATER WILL NEED TO BE CONSTRUCTED, TESTED AND PLACED IN SERVICE PRIOR TO THE CONSTRUCTION OF THE PHASE 2 WATER SERVICES.
2. SEE MOT NOTES PLAN FOR TEMPORARY PAVEMENT TYPICAL SECTION.
3. DURING WATER MAIN TIE-IN, CONTRACTOR TO MOVE EXISTING FENCE AND INSTALL TYPE III BARRICADES WITH SIGNS. UPON COMPLETION OF THE WATER MAIN TIE-IN AND RESTORATION, CONTRACTOR TO RE-ESTABLISH CONTINUOUS FENCE AND REMOVE THE TYPE III BARRICADES AND SIGNS.

CONSTRUCTION PHASING & M.O.T	
	BARRICADE, TYPE 3
	CONCRETE SAFETY BARRIER - PORTABLE
CSF	CONSTRUCTION SAFETY FENCE / LENGTH
—CSF—	CONSTRUCTION SAFETY FENCE
	CONSTRUCTION WARNING SIGN LOCATION
END ROAD WORK	CONSTRUCTION WARNING SIGN
	DRUM - TRAFFIC CONTROL
	FLAGGER LOCATION
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	TRUCK WITH MOUNTED ATTENUATOR
	WORK AREA - ACTIVE PHASE
	EXISTING TRAFFIC PATTERN OUTSIDE WORK ZONE
	CONSTRUCT PER PHASING NOTES
	PIPE/CONDUIT TRENCH
	RELOCATED/PROPOSED CHAIN LINK FENCE
	MAINTAIN EXISTING CHAIN LINK FENCE

EROSION & SEDIMENT CONTROL	
	INLET SEDIMENT CONTROL
SCF	STABILIZED CONSTRUCTION ENTRANCE
SF	SILT FENCE / LENGTH
—SF—	SILT FENCE
	TEMPORARY SWALE

DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 50 100 150 FEET

INDIAN RIVER INLET PARK ENHANCEMENTS

CONTRACT	BRIDGE NO.	X
T200507303	DESIGNED BY: RK&K	
COUNTY		
SUSSEX	CHECKED BY: RK&K	

CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN PHASE 1 – (BASE BID)

CS08

SHEET NO. 93

TOTAL SHTS. 282

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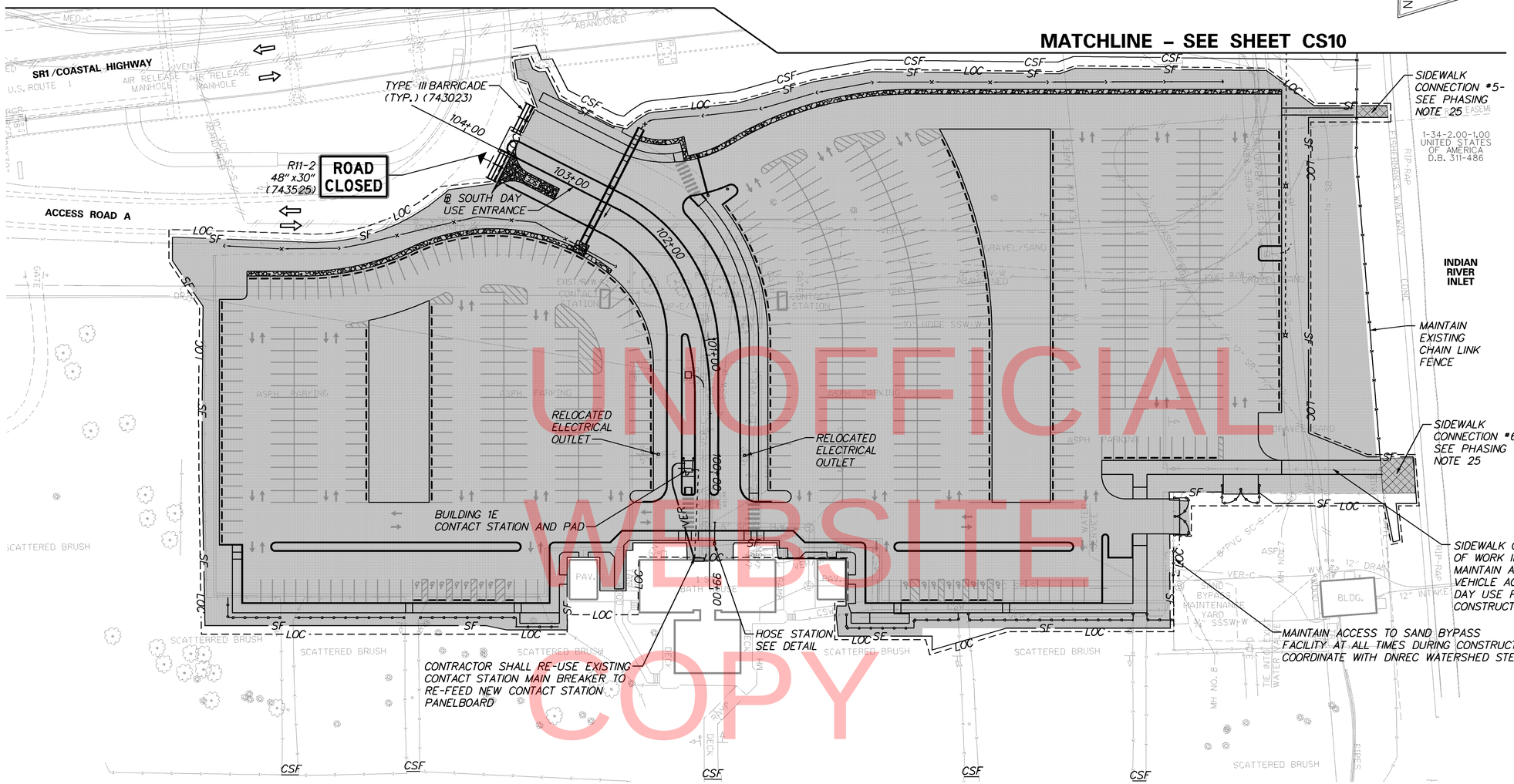
MATCHLINE – SEE SHEET CS10



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EROSION & SEDIMENT CONTROL	
	INLET SEDIMENT CONTROL
SCE	STABILIZED CONSTRUCTION ENTRANCE
SF	SILT FENCE / LENGTH
SF	SILT FENCE
	TEMPORARY SWALE

CONSTRUCTION PHASING & M.O.T	
	BARRICADE, TYPE 3
	CONCRETE SAFETY BARRIER - PORTABLE
CSF XXX	CONSTRUCTION SAFETY FENCE / LENGTH
CSF	CONSTRUCTION SAFETY FENCE
	CONSTRUCTION WARNING SIGN LOCATION
END ROAD WORK	CONSTRUCTION WARNING SIGN
	DRUM - TRAFFIC CONTROL
	FLAGGER LOCATION
	TEMPORARY CONSTRUCTION
	TEMPORARY PAVEMENT MARKING ARROW
	TRUCK WITH MOUNTED ATTENUATOR
	WORK AREA - ACTIVE PHASE
	EXISTING TRAFFIC PATTERN OUTSIDE WORK ZONE
	CONSTRUCT PER PHASING NOTES
	PIPE/CONDUIT TRENCH
	RELOCATED/PROPOSED CHAIN LINK FENCE
	MAINTAIN EXISTING CHAIN LINK FENCE

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DELAWARE DEPARTMENT OF TRANSPORTATION

ADDENDUMS / REVISIONS

SCALE 0 50 100 150 FEET

INDIAN RIVER INLET PARK ENHANCEMENTS

CONTRACT	BRIDGE NO.	X
T200507303	DESIGNED BY: RK&K	
COUNTY		
SUSSEX	CHECKED BY: RK&K	

CONSTRUCTION PHASING, M.O.T., AND EROSION CONTROL PLAN PHASE 2A – (BASE BID)

CS09
SHEET NO. 94
TOTAL SHTS. 282