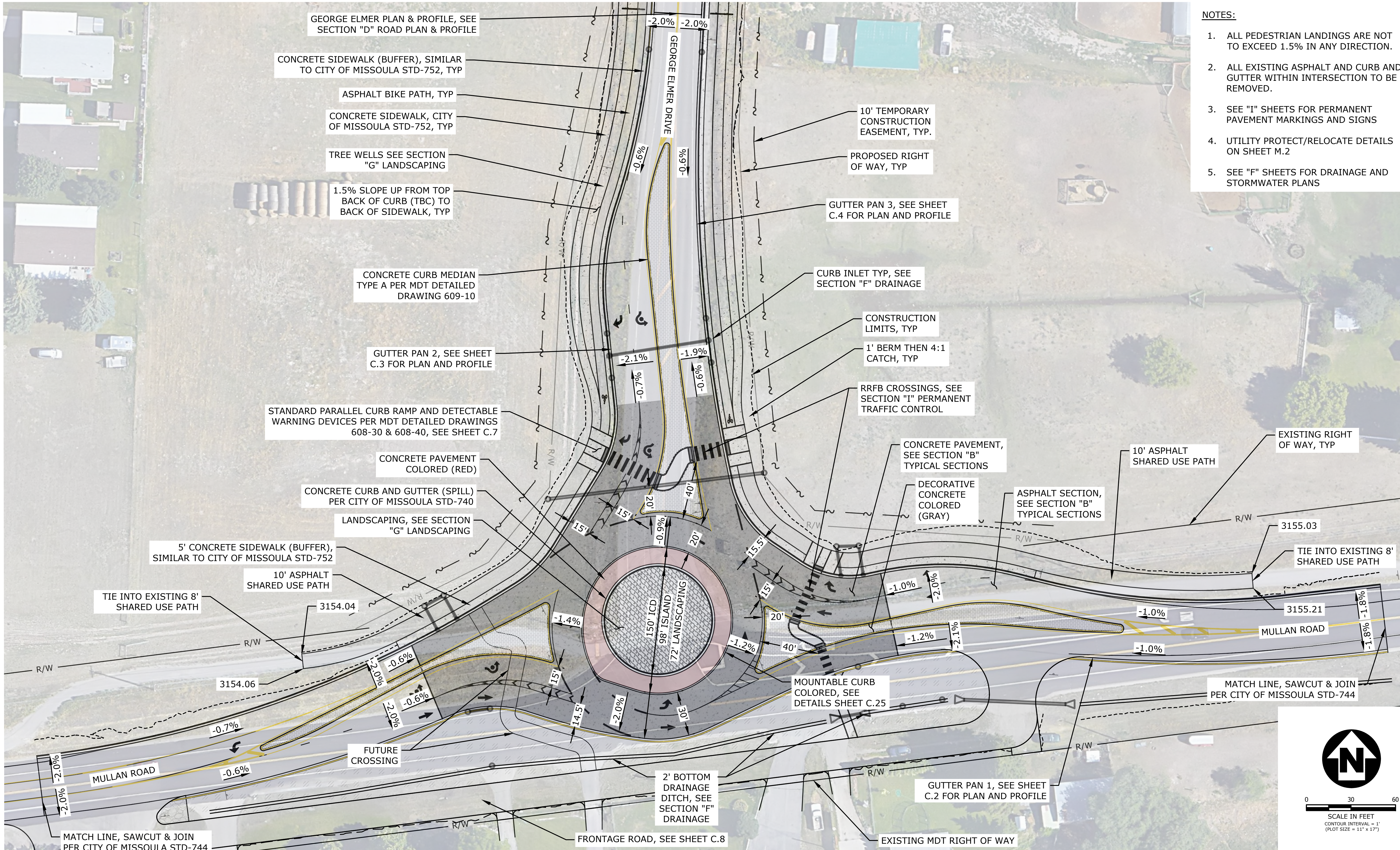


NOTES:

1. ALL PEDESTRIAN LANDINGS ARE NOT TO EXCEED 1.5% IN ANY DIRECTION.
2. ALL EXISTING ASPHALT AND CURB AND GUTTER WITHIN INTERSECTION TO BE REMOVED.
3. SEE "I" SHEETS FOR PERMANENT PAVEMENT MARKINGS AND SIGNS
4. UTILITY PROTECT/RELOCATE DETAILS ON SHEET M.2
5. SEE "F" SHEETS FOR DRAINAGE AND STORMWATER PLANS

REVISION	DATE	DESCRIPTION
-	-	-

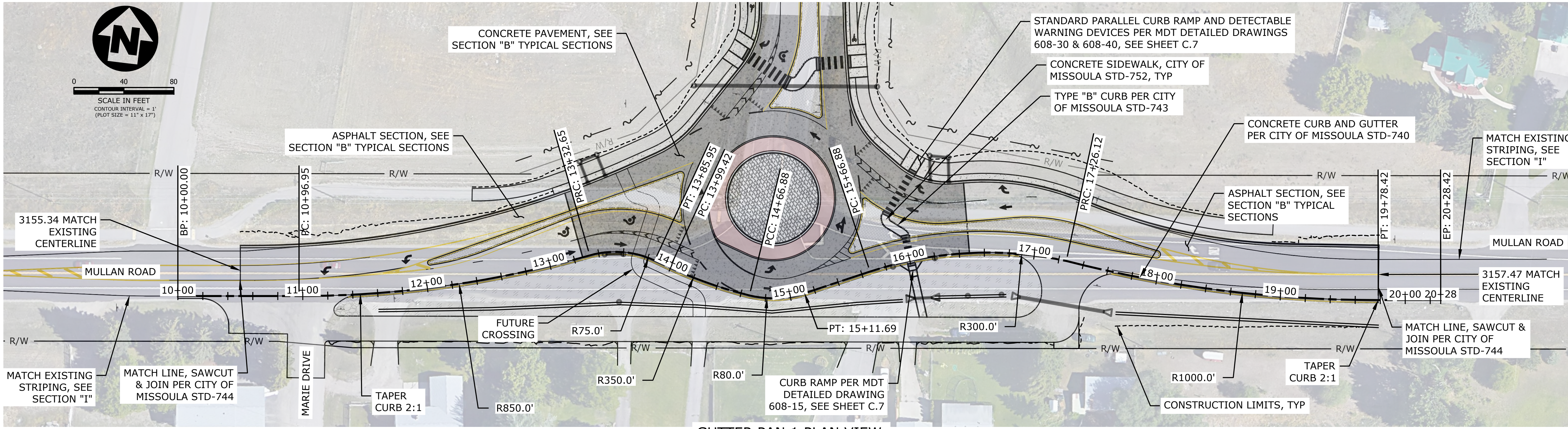
DESIGNER BB PROJ. NO. 7065
DRAWN BB DATE 04/16/2021
CHECKED PD SURVEYED DJ&A, P.C.

DJ&A ENGINEERS PLANNERS SURVEYORS

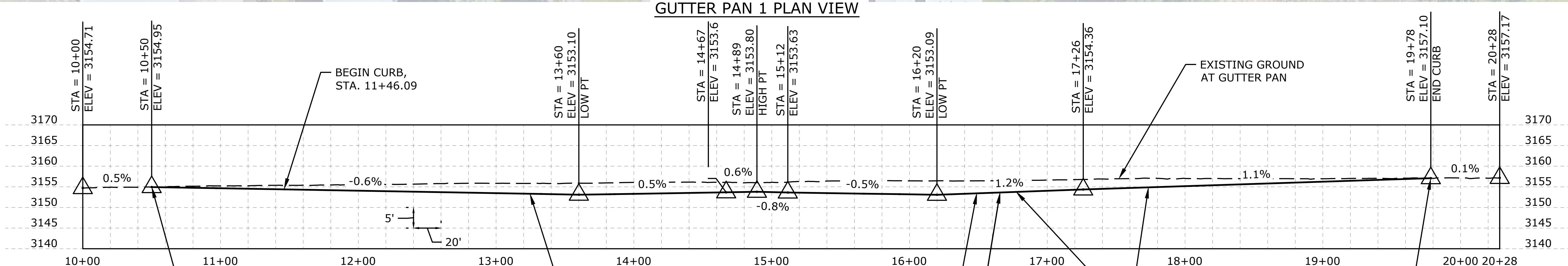
MULLAN BUILD
100% - BID PLANS

GEORGE ELMER DRIVE & MULLAN ROAD INTERSECTION PLAN

SHEET C.1 OF C.49



GUTTER PAN 1 PLAN VIEW



GUTTER PAN 1 PROFILE VIEW

MATCH EXISTING MULLAN ROAD

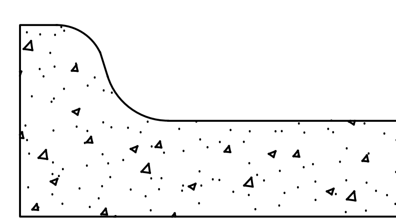
ASPHALT/CONCRETE TYPICAL SECTION CHANGE, STA. 13+26.80

ASPHALT/CONCRETE TYPICAL SECTION CHANGE, STA. 16+48.07

FINISHED GRADE AT GUTTER PAN

NO CURB, STA. 16+77.42 TO 17+73.52

MATCH EXISTING MULLAN ROAD



ALIGNMENT AND PROFILE GRADE LOCATION AT FRONT TOP OF GUTTER PAN

CONCRETE CURB AND GUTTER PROFILE AND ALIGNMENT LOCATION

REVISION	DATE	DESCRIPTION
-	-	-

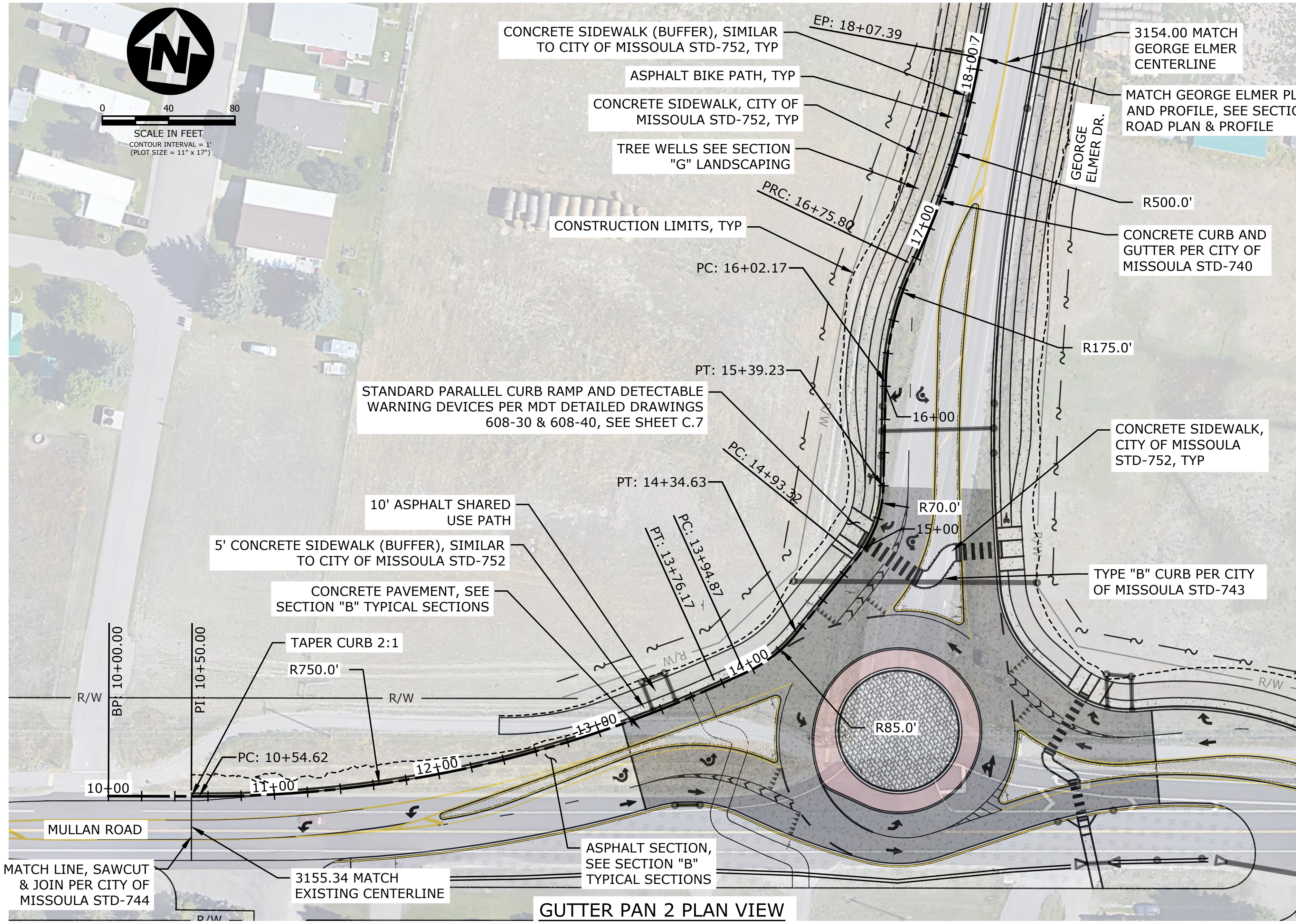
DESIGNER BB PROJ. NO. 7065
DRAWN BB DATE 04/16/2021
CHECKED PD SURVEYED DJ&A, P.C.

DJ&A ENGINEERS PLANNERS SURVEYORS

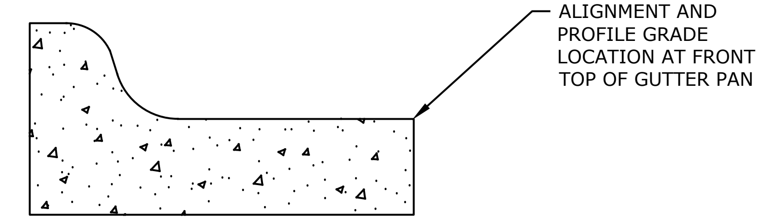
MULLAN BUILD
100% - BID PLANS

GEORGE ELMER DRIVE & MULLAN ROAD
GUTTER PLAN & PROFILE 1

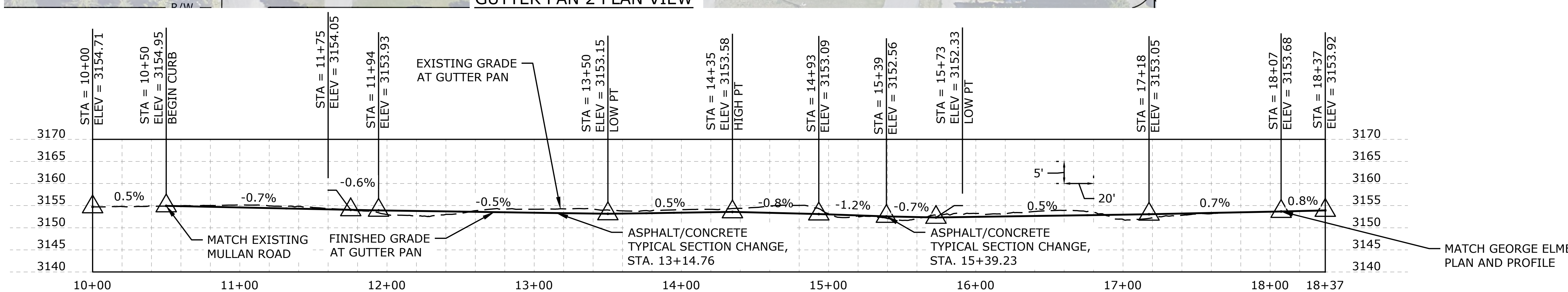
SHEET C.2 OF C.49



GUTTER PAN 2 PLAN VIEW



CONCRETE CURB AND GUTTER PROFILE AND ALIGNMENT LOCATION



GUTTER PAN 2 PROFILE VIEW

REVISION	DATE	DESCRIPTION
-	-	-

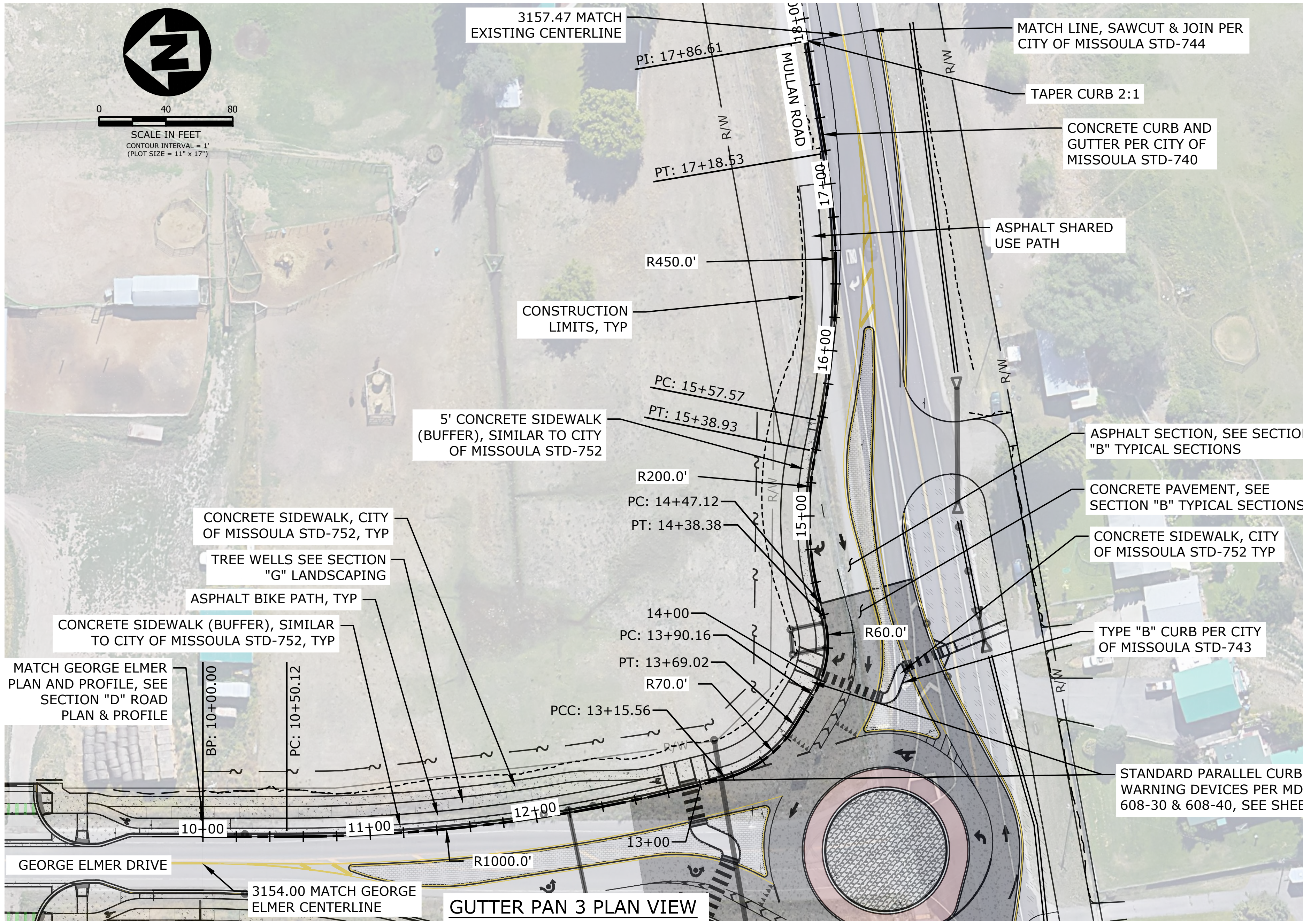
DESIGNER BB PROJ. NO. 7065
DRAWN BB DATE 04/16/2021
CHECKED PD SURVEYED DJ&A, P.C.

DJ&A ENGINEERS PLANNERS SURVEYORS

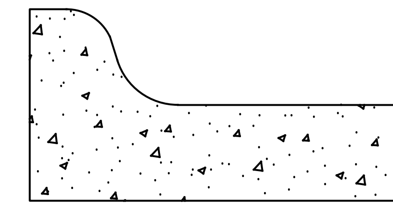
MULLAN BUILD
100% - BID PLANS

GEORGE ELMER DRIVE &
MULLAN ROAD
GUTTER PLAN & PROFILE 2

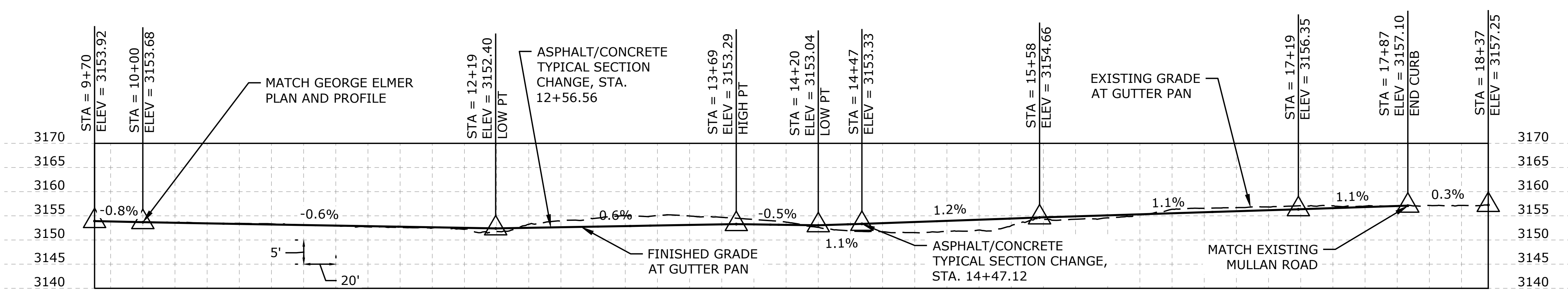
SHEET C.3 OF C.49



GUTTER PAN 3 PLAN VIEW



CONCRETE CURB AND GUTTER PROFILE AND ALIGNMENT LOCATION



GUTTER PAN 3 PROFILE VIEW

REVISION	DATE	DESCRIPTION
-	-	-

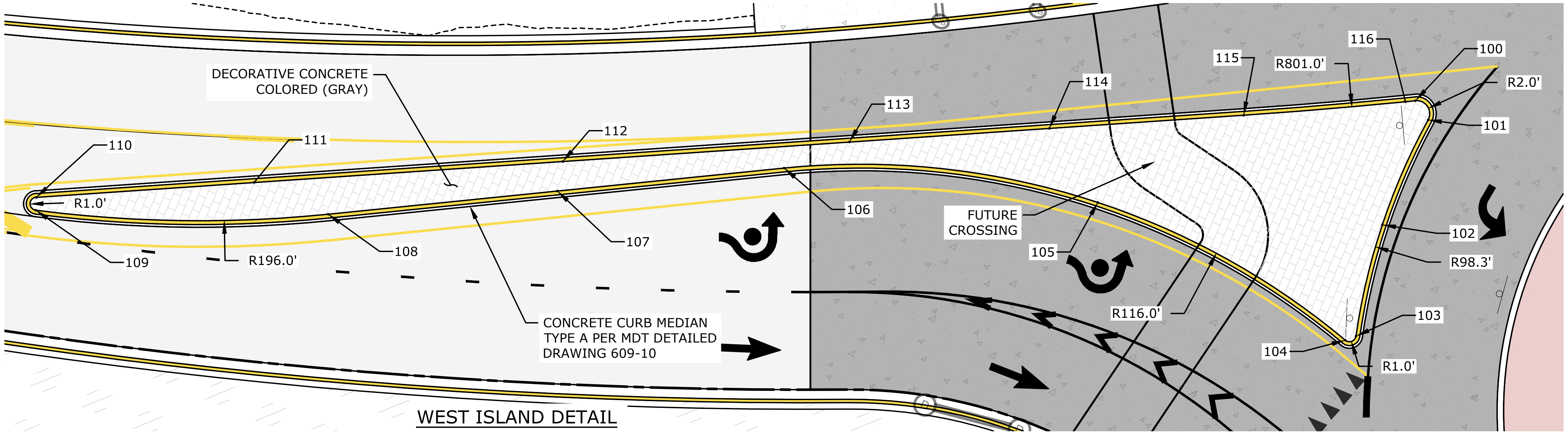
DESIGNER BB — PROJ. NO. 7065
DRAWN BB — DATE 04/16/2021
CHECKED PD — SURVEYED DJ&A, P.C.

DJ&A ENGINEERS PLANNERS SURVEYORS

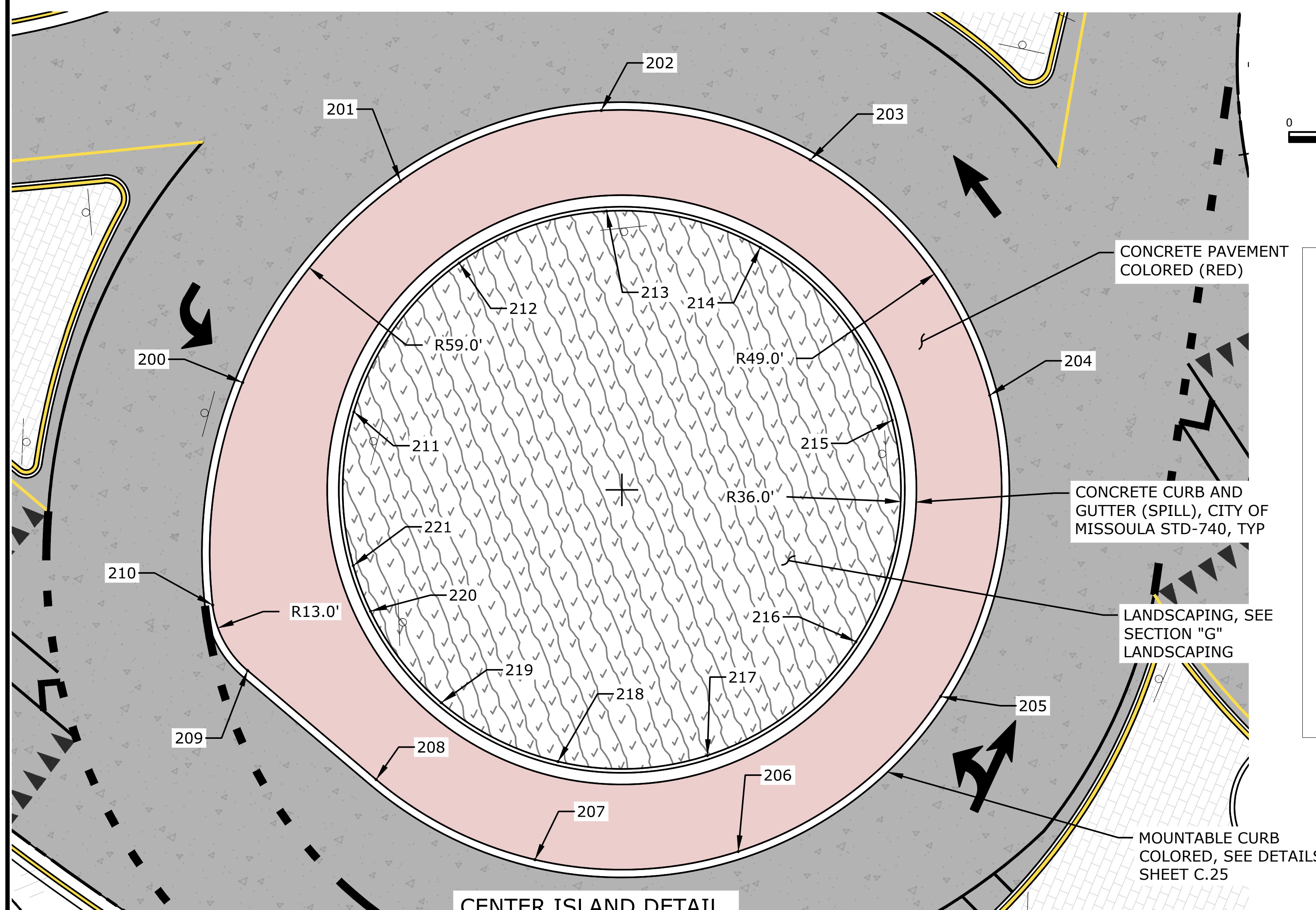
MULLAN BUILD
100% - BID PLANS

GEORGE ELMER DRIVE &
MULLAN ROAD
GUTTER PLAN & PROFILE 3

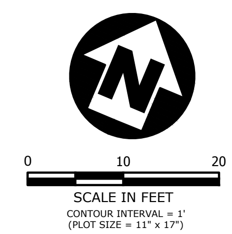
SHEET C.4 OF C.49



WEST ISLAND DETAIL



CENTER ISLAND DETAIL



NOTES:

1. ALL ELEVATION AND RADIUS CALLOUTS ARE TO THE TOP BACK OF CURB (TBC), UNLESS OTHERWISE NOTED.
2. GB = GRADE BREAK
   PT = POINT OF TANGENT
   PC = POINT OF CURVE
   PCC = POINT OF COMPOUND CURVE
   PRC = POINT OF REVERSE CURVE

WEST ISLAND POINTS

LAYOUT POINTS

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
100	994835.2463	827443.0916	3154.33	PC, GB
101	994833.2809	827446.0333	3154.38	PRC, GB
102	994815.6982	827445.7867	3154.53	GB
103	994798.3528	827448.6752	3154.44	PRC, GB
104	994797.1455	827447.4123	3154.42	PRC, GB
105	994801.9630	827404.1816	3154.29	GB
106	994788.2080	827357.7406	3154.47	PT
107	994771.4827	827326.9988	3154.60	
108	994754.5714	827295.9153	3154.73	PC
109	994737.7807	827254.3078	3154.89	PCC
110	994739.6385	827253.5936	3154.83	PT, GB
111	994754.6764	827283.5519	3154.63	
112	994775.9828	827325.9986	3154.35	
113	994795.7656	827365.4098	3154.08	
114	994809.5730	827392.9168	3153.99	GB
115	994822.9861	827419.6383	3154.17	PC
116	994834.5166	827441.7443	3154.32	PT

CENTER ISLAND POINTS

LAYOUT POINTS

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
200	994818.3824	827469.4539	3154.54	GB
201	994850.2109	827478.1873	3154.25	PCC, GB
202	994868.6325	827498.5383	3154.11	GB
203	994873.1872	827525.8748	3154.25	GB
204	994854.1677	827558.9677	3154.05	GB
205	994815.8806	827568.1615	3154.26	
206	994787.3405	827551.8209	3154.43	
207	994776.2209	827528.0371	3154.56	GB
208	994777.8291	827505.1428	3154.45	PT
209	994784.3884	827484.4168	3154.34	PC, GB
210	994790.4167	827477.0045	3154.39	PCC

CENTER ISLAND POINTS

LAYOUT POINTS

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
211	994820.4525	827484.1613	3155.29	GB
212	994843.3979	827489.2590	3154.98	GB
213	994856.9346	827504.2137	3154.84	GB
214	994860.2792	827524.2967	3154.98	GB
215	994846.3060	827548.6066	3154.78	GB
216	994818.1802	827555.3607	3154.99	
217	994797.2132	827543.3577	3155.16	
218	994789.0417	827525.8857	3155.29	GB
219	994790.2232	827509.0654	3155.18	GB
220	994797.5773	827496.0798	3155.13	GB
221	994802.1405	827491.7494	3155.20	GB

REVISION	DATE	DESCRIPTION
-	-	-

DESIGNER BB | PROJ. NO. 7065
DRAWN BB | DATE 04/16/2021
CHECKED PD | SURVEYED DJ&A, P.C.

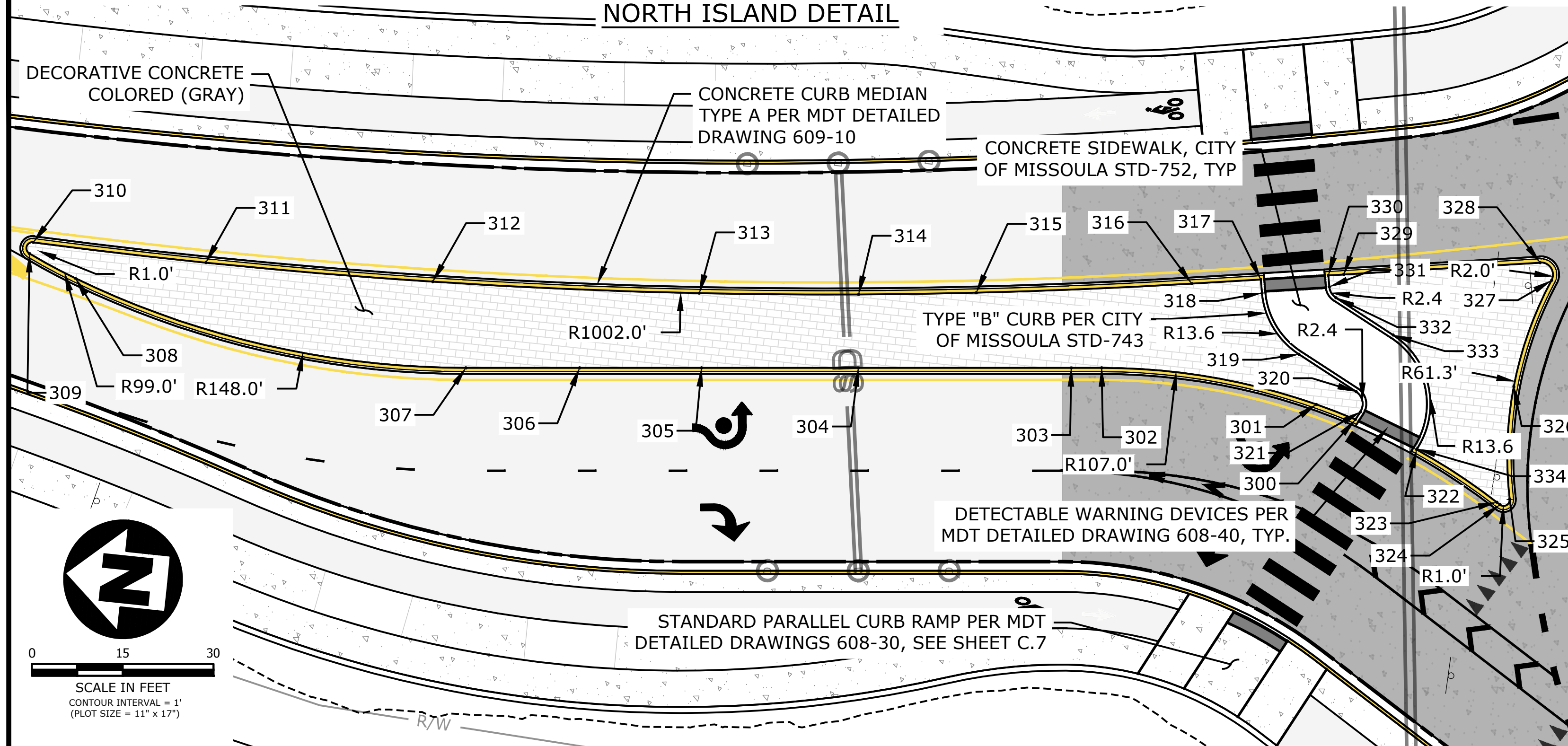
DJ&A ENGINEERS PLANNERS SURVEYORS

MULLAN BUILD
100% - BID PLANS

GEORGE ELMER DRIVE &
MULLAN ROAD
ISLAND DETAILS

SHEET C.5 OF C.49

NORTH ISLAND DETAIL



NOTES:

1. ALL ELEVATION AND RADIUS CALLOUTS ARE TO THE TOP BACK OF CURB (TBC), UNLESS OTHERWISE NOTED.
2. GB = GRADE BREAK, PT = POINT OF TANGENT, PC = POINT OF CURVE, PCC = POINT OF COMPOUND CURVE, PRC = POINT OF REVERSE CURVE

NORTH ISLAND POINTS

LAYOUT POINTS

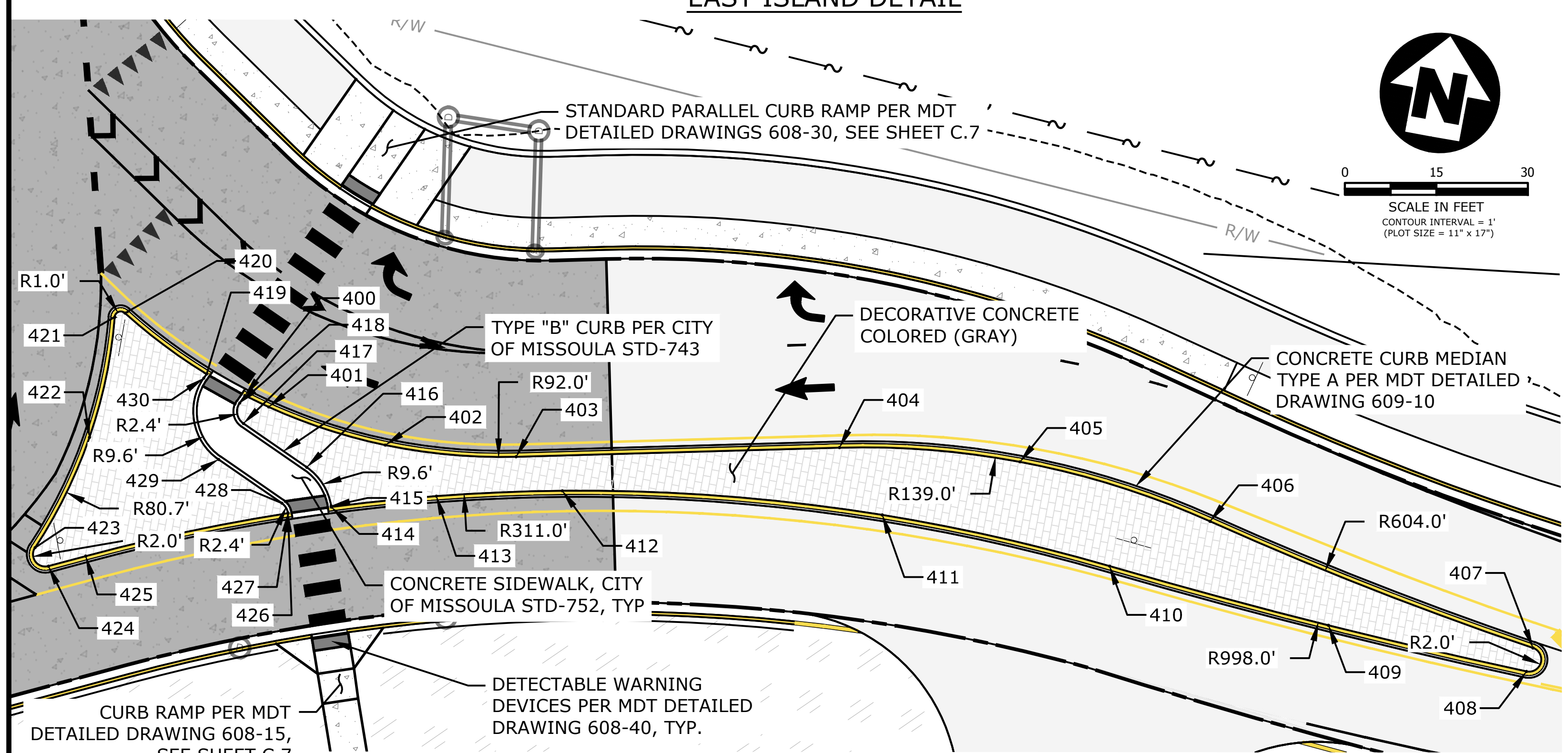
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
300	994923.5254	827520.4242	3154.06	GB
301	994930.1951	827522.2373	3154.01	
302	994966.0797	827524.5473	3153.76	GB
303	994971.0693	827524.0237	3153.72	PT
304	995006.0340	827520.3545	3153.48	GB
305	995031.7836	827517.6524	3153.58	
306	995051.7975	827515.5521	3153.66	GB
307	995070.4719	827513.5925	3153.57	PC, GB
308	995136.1382	827521.5652	3153.91	PCC, GB
309	995144.1017	827524.8357	3153.97	PCC, GB
310	995143.6553	827526.7430	3154.06	PRC, GB
311	995114.9896	827526.3894	3153.87	
312	995077.4092	827527.1686	3153.62	GB
313	995033.4209	827529.8764	3153.40	
314	995007.2633	827532.4108	3153.27	GB
315	994987.9556	827534.7273	3153.41	
316	994952.7505	827539.9353	3153.66	PT
317	994941.4804	827541.8077	3153.74	GB

NORTH ISLAND POINTS

LAYOUT POINTS

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
318	994941.0389	827539.5956	3153.77	PC, GB
319	994933.9177	827530.1682	3153.88	PT
320	994923.8834	827525.0213	3153.99	PC, GB
321	994922.8361	827521.7680	3154.04	PT, GB
322	994912.9563	827516.5623	3154.14	GB
323	994898.8686	827509.2797	3154.25	PT, GB
324	994898.3178	827508.9410	3154.25	PC, GB
325	994896.8182	827510.0115	3154.26	PRC, GB
326	994898.0836	827528.5675	3154.30	GB
327	994893.7234	827546.6483	3154.11	PRC, GB
328	994895.9018	827549.3798	3154.06	PT, GB
329	994927.9258	827544.0595	3153.83	GB
330	994930.4590	827543.6387	3153.82	GB
331	994930.0882	827541.7813	3153.83	PC, GB
332	994928.8213	827540.1040	3153.86	PT, GB
333	994918.7870	827534.9571	3153.95	PC
334	994912.9003	827516.6716	3154.12	PT, GB

EAST ISLAND DETAIL



EAST ISLAND POINTS

LAYOUT POINTS

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
400	994823.2270	827615.3354	3154.33	
401	994822.0905	827619.5065	3154.30	
402	994819.4235	827639.4442	3154.17	GB
403	994821.4400	827660.8743	3154.28	PT, GB
404	994832.5498	827712.7255	3154.84	PC
405	994835.6340	827742.2293	3155.15	
406	994831.7086	827774.6494	3155.50	PRC
407	994820.9068	827830.4681	3156.09	PRC, GB
408	994816.9283	827830.1229	3155.99	PCC, GB
409	994818.4665	827796.8264	3155.59	
410	994821.4916	827759.7845	3155.14	PRC, GB
411	994822.9680	827721.6189	3154.80	GB
412	994817.3290	827669.3318	3154.17	
413	994812.7115	827649.1862	3153.93	GB
414	994807.8258	827632.5942	3154.02	
415	994807.9945	827632.5339	3154.02	PC, GB

EAST ISLAND POINTS

LAYOUT POINTS

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
416	994813.5078	827627.4384	3154.11	PT
417	994818.6749	827615.9394	3154.25	PC, GB
418	994821.8697	827614.7255	3154.30	PT, GB
419	994825.5502	827608.5224	3154.37	
420	994832.9499	827593.5389	3154.48	PRC, GB
421	994831.9966	827592.0215	3154.45	PRC, GB
422	994811.8440	827591.5302	3154.35	
423	994792.4419	827586.0600	3154.25	PRC, GB
424	994789.8589	827588.7653	3154.24	PT, GB
425	994792.5898	827594.4730	3154.22	PC, GB
426	994805.5323	827625.8032	3154.05	
427	994805.5805	827625.7860	3154.05	PC, GB
428	994806.9708	827624.5011	3154.08	PT, GB
429	994812.1378	827613.0020	3154.21	PC, GB
430	994824.8071	827608.1885	3154.35	PT, GB

REVISION	DATE	DESCRIPTION
-	-	-

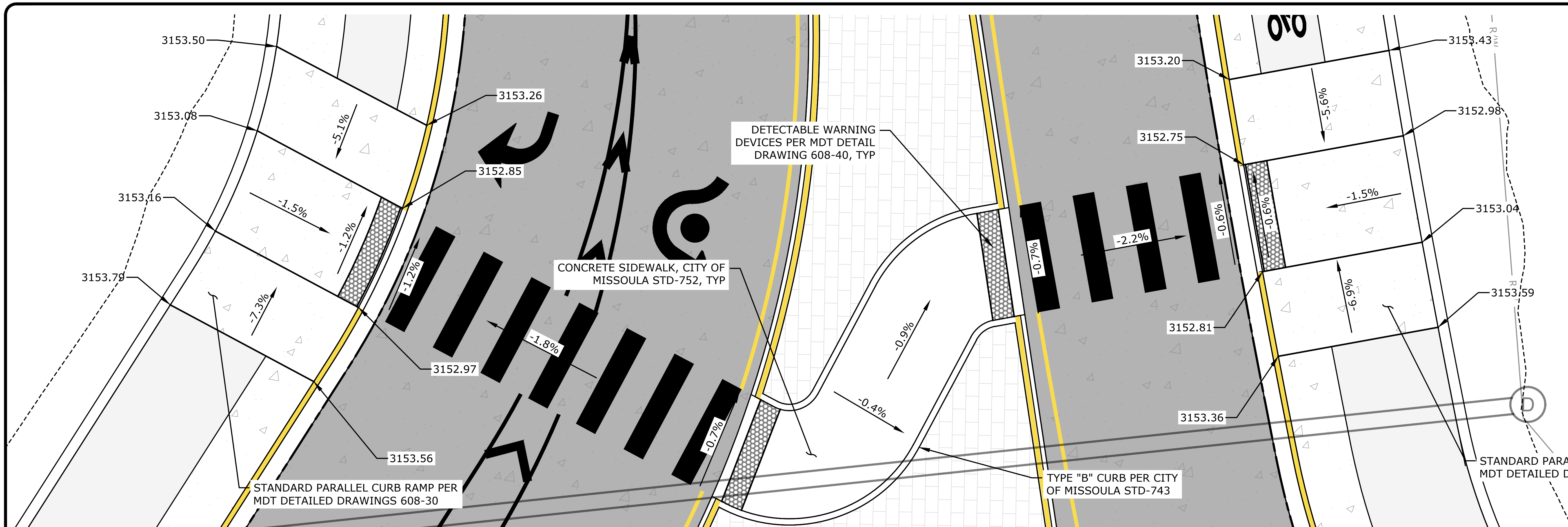
DESIGNER BB PROJ. NO. 7065
DRAWN BB DATE 04/16/2021
CHECKED PD SURVEYED DJ&A, P.C.

DJ&A ENGINEERS PLANNERS SURVEYORS

MULLAN BUILD
100% - BID PLANS

GEORGE ELMER DRIVE & MULLAN ROAD ISLAND DETAILS

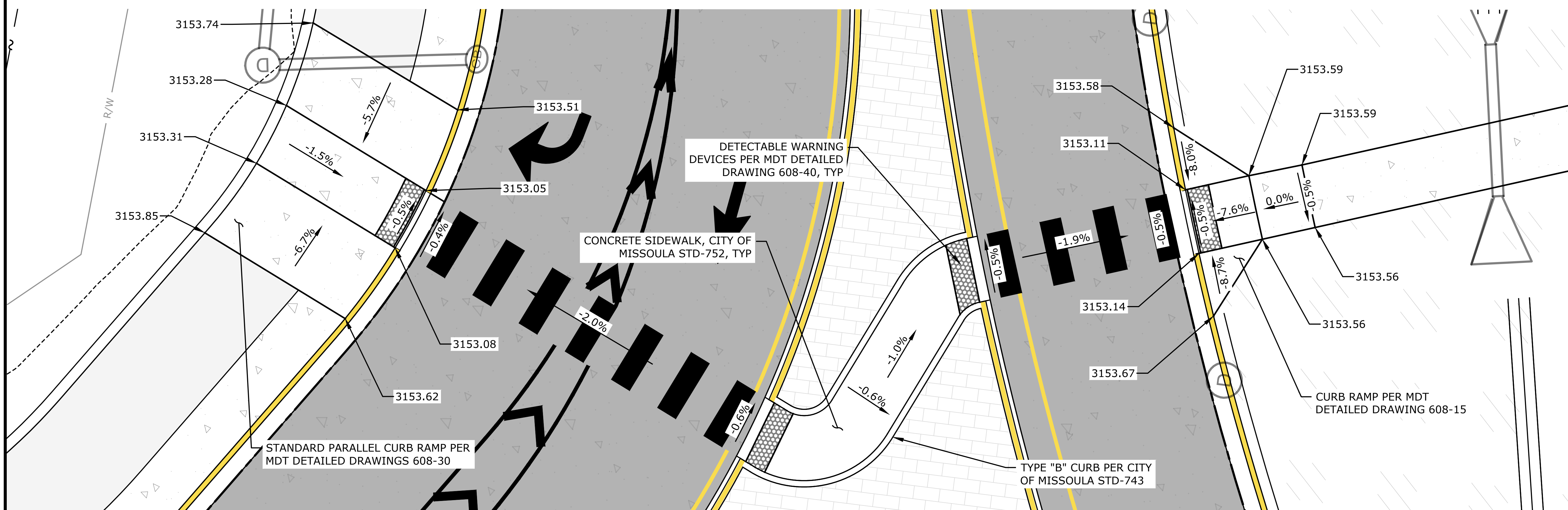
SHEET C.6 OF C.49



SCALE IN FEET
0 5 10
CONTOUR INTERVAL = 1'
(PLOT SIZE = 11" x 17")

NOTES:

1. ALL PEDESTRIAN LANDINGS ARE NOT TO EXCEED 1.5% IN ANY DIRECTION.
2. SEE "I" SHEETS FOR PERMANENT PAVEMENT MARKINGS AND SIGNS



SCALE IN FEET
0 5 10
CONTOUR INTERVAL = 1'
(PLOT SIZE = 11" x 17")

NOTES:

1. ALL PEDESTRIAN LANDINGS ARE NOT TO EXCEED 1.5% IN ANY DIRECTION.
2. SEE "I" SHEETS FOR PERMANENT PAVEMENT MARKINGS AND SIGNS

REVISION	DATE	DESCRIPTION
-	-	-

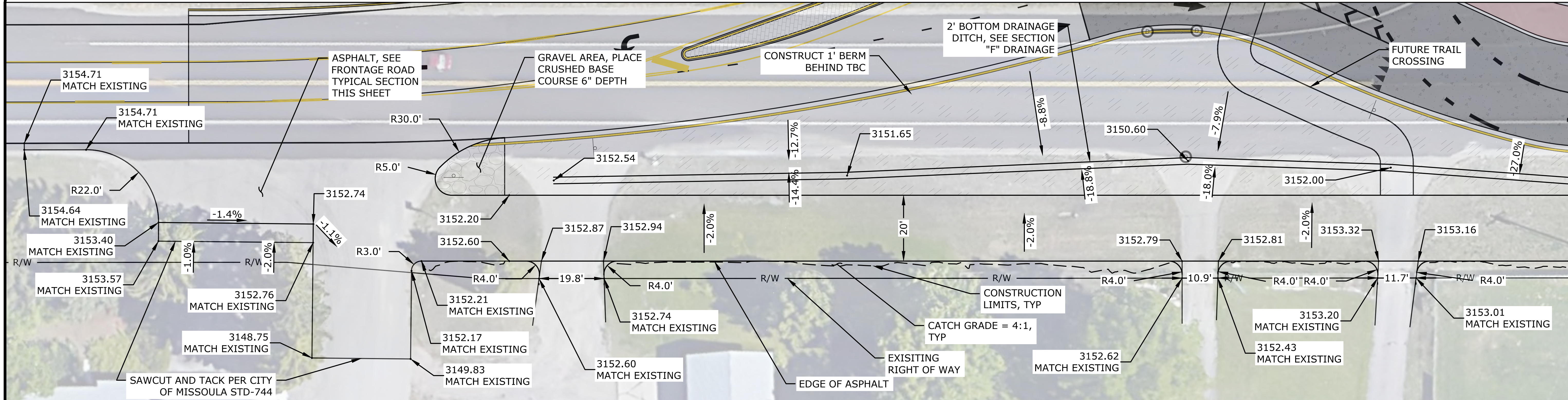
DESIGNER BB PROJ. NO. 7065
DRAWN BB DATE 04/16/2021
CHECKED PD SURVEYED DJ&A, P.C.

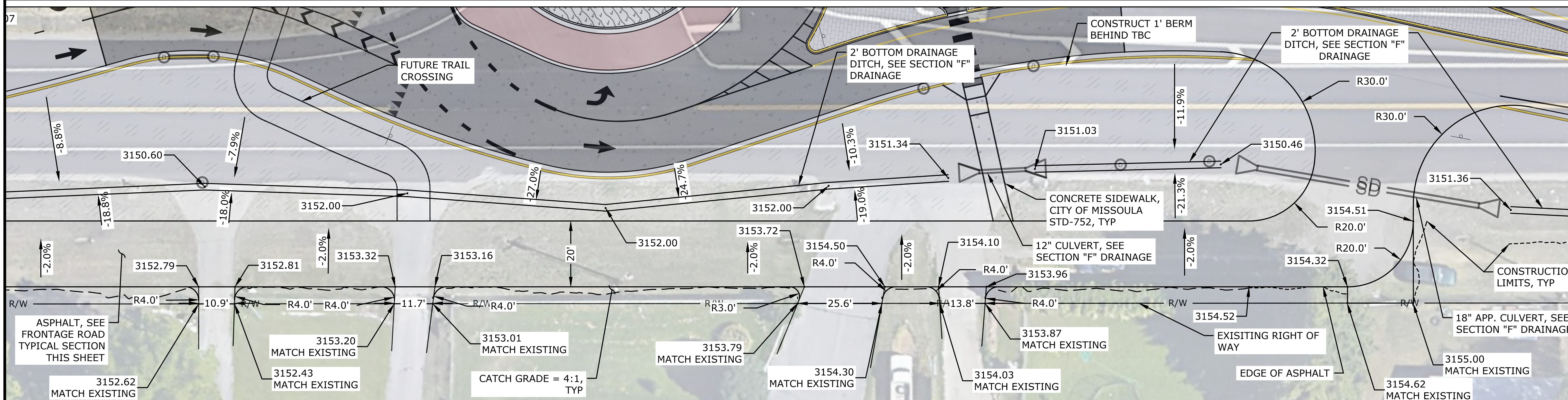
DJ&A ENGINEERS PLANNERS SURVEYORS

MULLAN BUILD
100% - BID PLANS

GEORGE ELMER DRIVE &
MULLAN ROAD
ADA RAMP DETAILS

SHEET C.7 OF C.49





N

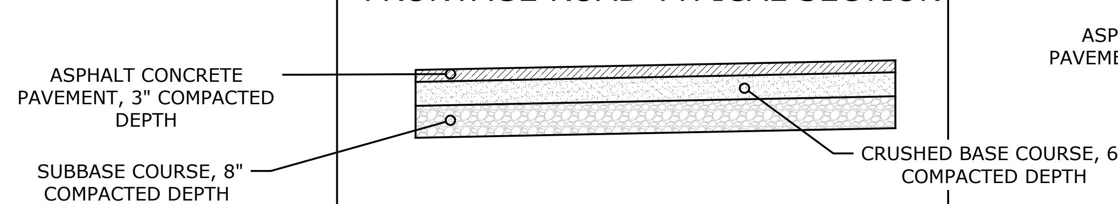
0 15 30

SCALE IN FEET
CONTOUR INTERVAL = 1'
(PLOT SIZE = 11" x 17")

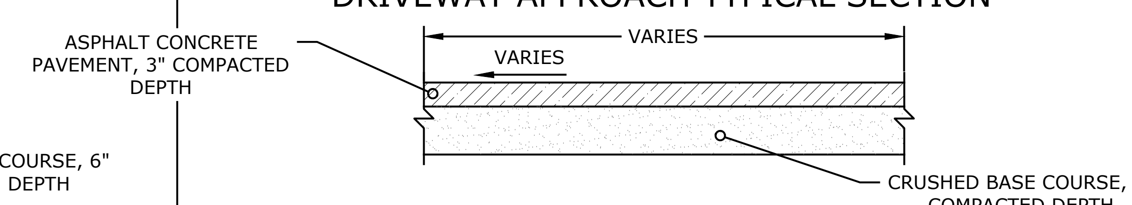
NOTES:

1. FRONTAGE ROAD AND DRIVEWAY TYPICAL SECTIONS BASED ON CITY OF MISSOULA STD-703 FOR MEDIUM SUBGRADE
2. PAVE FROM FRONTAGE ROAD 5' TO MATCH EXISTING DRIVEWAYS AT R/W LINE, SEE DRIVEWAY APPROACH TYPICAL SECTION THIS SHEET

FRONTAGE ROAD TYPICAL SECTION



DRIVEWAY APPROACH TYPICAL SECTION



REVISION	DATE	DESCRIPTION
-	-	-

DESIGNER BB PROJ. NO. 7065
DRAWN BB DATE 04/16/2021
CHECKED PD SURVEYED DJ&A, P.C.

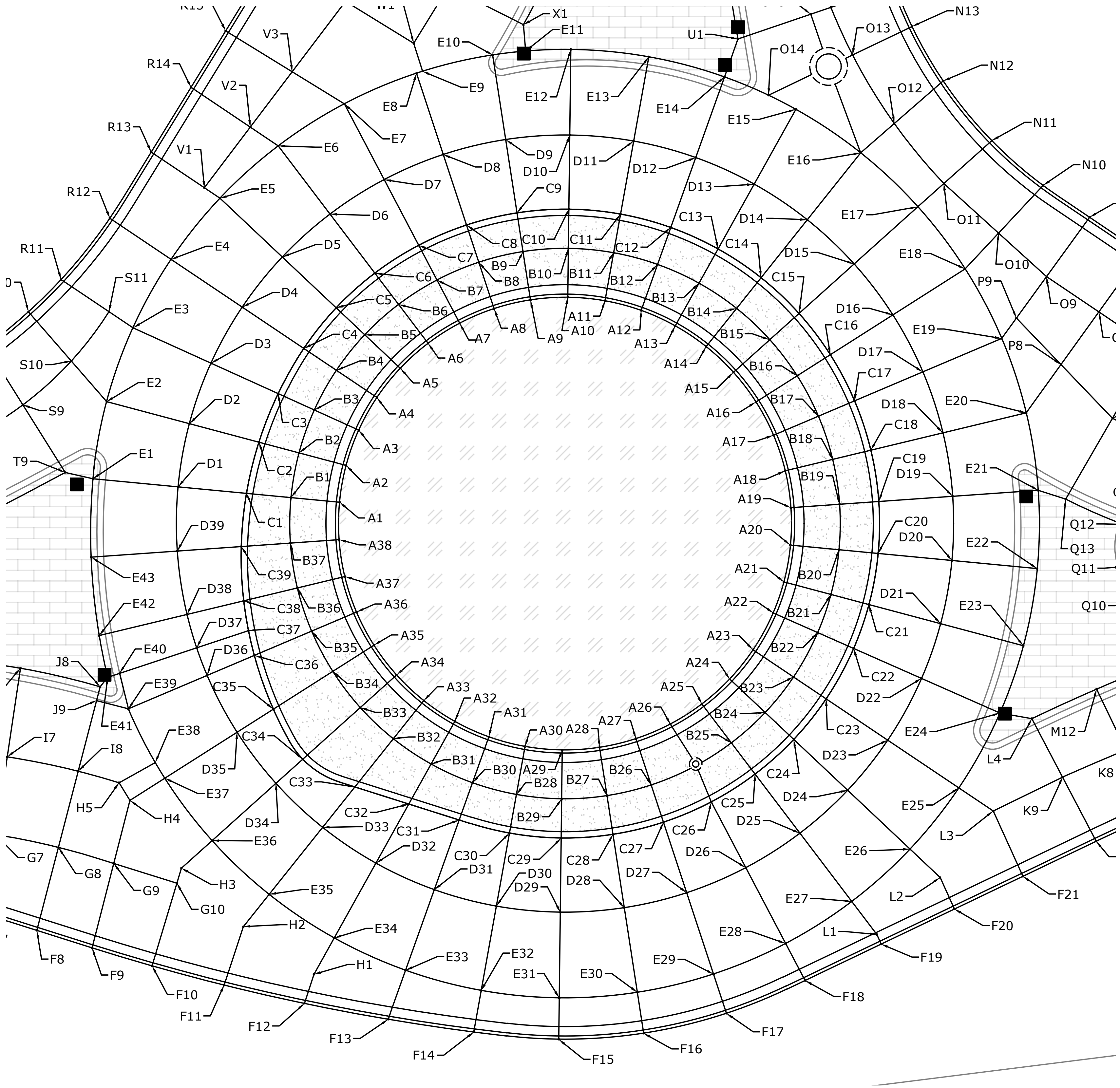
DJ&A ENGINEERS PLANNERS SURVEYORS

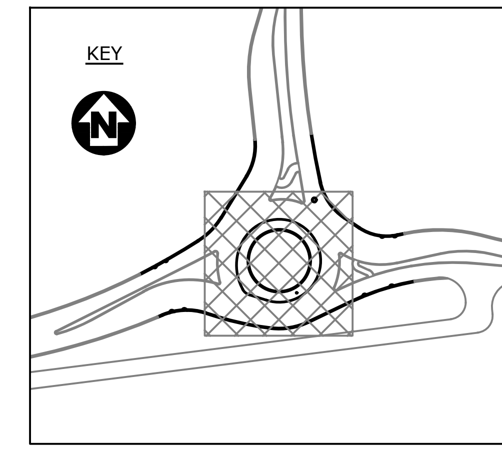
MULLAN BUILD
100% - BID PLANS

GEORGE ELMER DRIVE &
MULLAN ROAD
FRONTAGE ROAD

SHEET C.8 OF C.49

0 10 20
SCALE IN FEET
CONTOUR INTERVAL = 1'
(PLOT SIZE = 11" x 17")





LEGEND:

- LANDSCAPED CENTRAL ISLAND
- TRUCK APRON
- SPLITTER ISLAND
- BOXOUT FOR SIGN POST ON SPLITTER ISLAND (SEE SECTION "I" SIGNING PLANS)
- ISOLATION JOINT

NOTES:

1. THIS SHEET IS PROVIDED FOR BIDDING INFORMATION ONLY. AN ELECTRONIC CSV FILE WILL BE PROVIDED UPON REQUEST. THIS FILE WILL INCLUDE THE NORTHING, EASTING, AND ELEVATION FOR EACH JOINT LABELED IN THE PLANS.
2. PROVIDE ISOLATION JOINTS AROUND ALL UTILITIES PER MDT DETAILED DRAWING 501-05.
3. VERIFY IN FIELD THAT SLAB WIDTHS ARE NOT LESS THAN 2' OR GREATER THAN 15'. ADJUST JOINT LOCATIONS AS NECESSARY.
4. SEE SHEET C.25 FOR P.C.C.P. JOINTING DETAILS

REVISION	DATE	DESCRIPTION
-	-	-

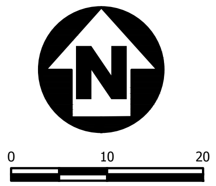
DESIGNER BB PROJ. NO. 7065
DRAWN BB DATE 04/16/2021
CHECKED PD SURVEYED DJ&A, P.C.

DJ&A
ENGINEERS
PLANNERS
SURVEYORS

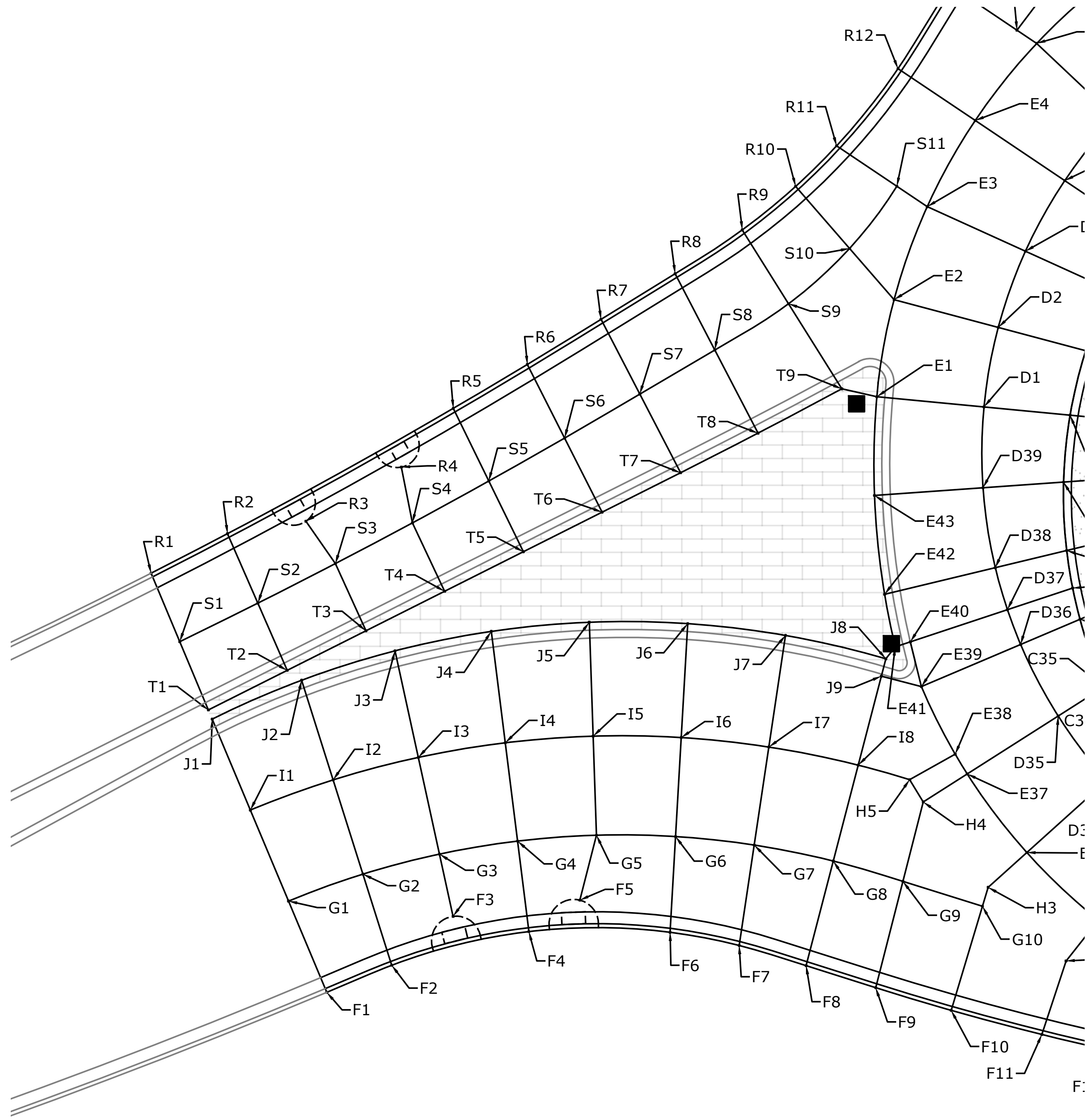
MULLAN BUILD
100% - BID PLANS

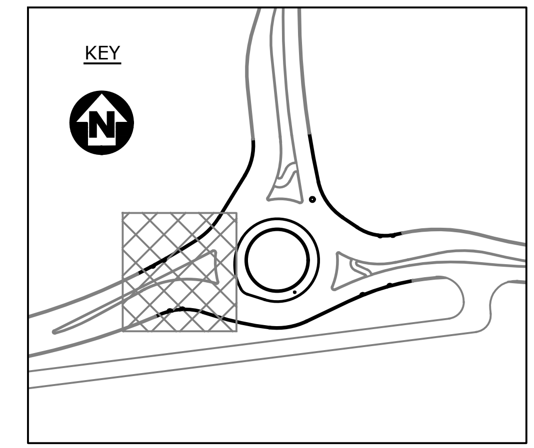
GEORGE ELMER DRIVE &
MULLAN ROAD CENTER
PCCP JOINTING PLAN

SHEET C.9 OF C.49



0 10 20
SCALE IN FEET
CONTOUR INTERVAL = 1'
(PLOT SIZE = 11" x 17")





NOTES:

1. THIS SHEET IS PROVIDED FOR BIDDING INFORMATION ONLY. AN ELECTRONIC CSV FILE WILL BE PROVIDED UPON REQUEST. THIS FILE WILL INCLUDE THE NORTHING, EASTING, AND ELEVATION FOR EACH JOINT LABELED IN THE PLANS.
2. PROVIDE ISOLATION JOINTS AROUND ALL UTILITIES PER MDT DETAILED DRAWING 501-05.
3. VERIFY IN FIELD THAT SLAB WIDTHS ARE NOT LESS THAN 2' OR GREATER THAN 15'. ADJUST JOINT LOCATIONS AS NECESSARY.
4. SEE SHEET C.25 FOR P.C.C.P. JOINTING DETAILS

LEGEND:

LANDSCAPED CENTRAL ISLAND
TRUCK APRON
SPLITTER ISLAND
BOXOUT FOR SIGN POST ON SPLITTER ISLAND (SEE SECTION "I" SIGNING PLANS)
ISOLATION JOINT

REVISION	DATE	DESCRIPTION
-	-	-

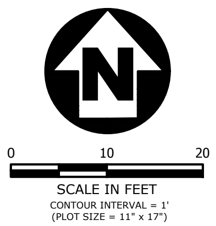
DESIGNER BB PROJ. NO. 7065
DRAWN BB DATE 04/16/2021
CHECKED PD SURVEYED DJ&A, P.C.

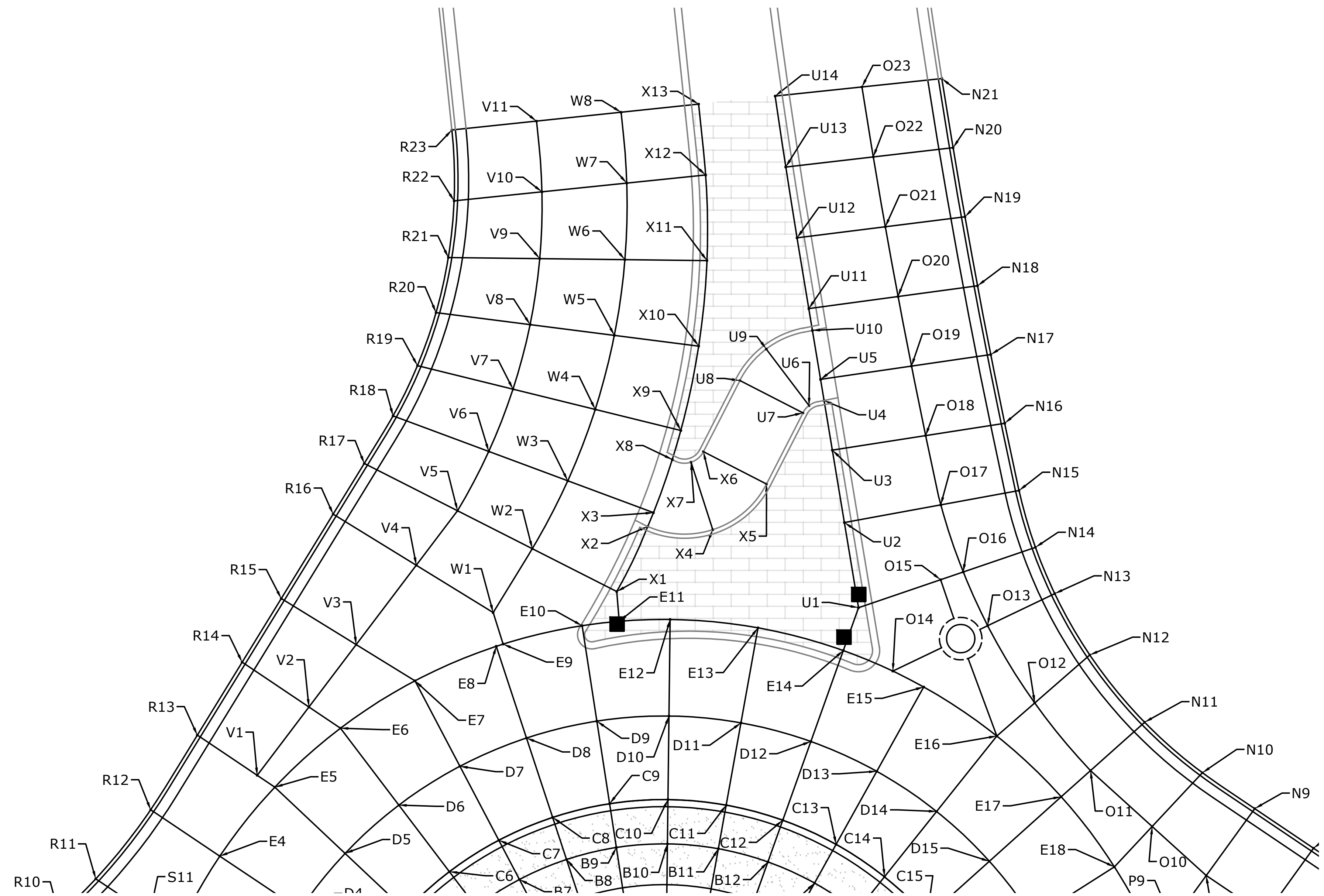
DJ&A
ENGINEERS
PLANNERS
SURVEYORS

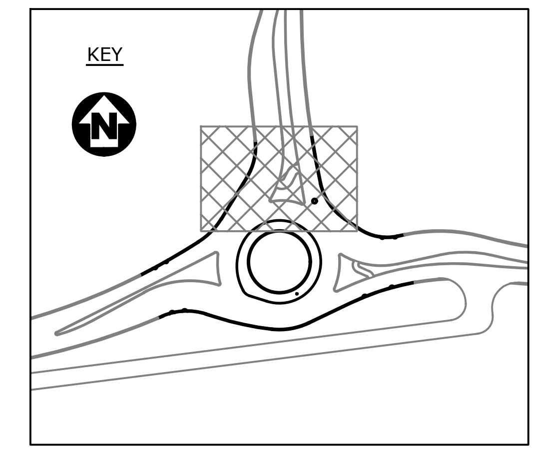
MULLAN BUILD
100% - BID PLANS

GEORGE ELMER DRIVE &
MULLAN ROAD WEST LEG
PCCP JOINTING PLAN

SHEET
C.10 OF C.49







NOTES:

1. THIS SHEET IS PROVIDED FOR BIDDING INFORMATION ONLY. AN ELECTRONIC CSV FILE WILL BE PROVIDED UPON REQUEST. THIS FILE WILL INCLUDE THE NORTHING, EASTING, AND ELEVATION FOR EACH JOINT LABELED IN THE PLANS.
2. PROVIDE ISOLATION JOINTS AROUND ALL UTILITIES PER MDT DETAILED DRAWING 501-05.
3. VERIFY IN FIELD THAT SLAB WIDTHS ARE NOT LESS THAN 2' OR GREATER THAN 15'. ADJUST JOINT LOCATIONS AS NECESSARY.
4. SEE SHEET C.25 FOR P.C.C.P. JOINTING DETAILS

LEGEND:

LANDSCAPED CENTRAL ISLAND

TRUCK APRON

SPLITTER ISLAND

BOXOUT FOR SIGN POST ON SPLITTER ISLAND (SEE SECTION "I" SIGNING PLANS)

ISOLATION JOINT

REVISION	DATE	DESCRIPTION
-	-	-

DESIGNER BB PROJ. NO. 7065
DRAWN BB DATE 04/16/2021
CHECKED PD SURVEYED DJ&A, P.C.

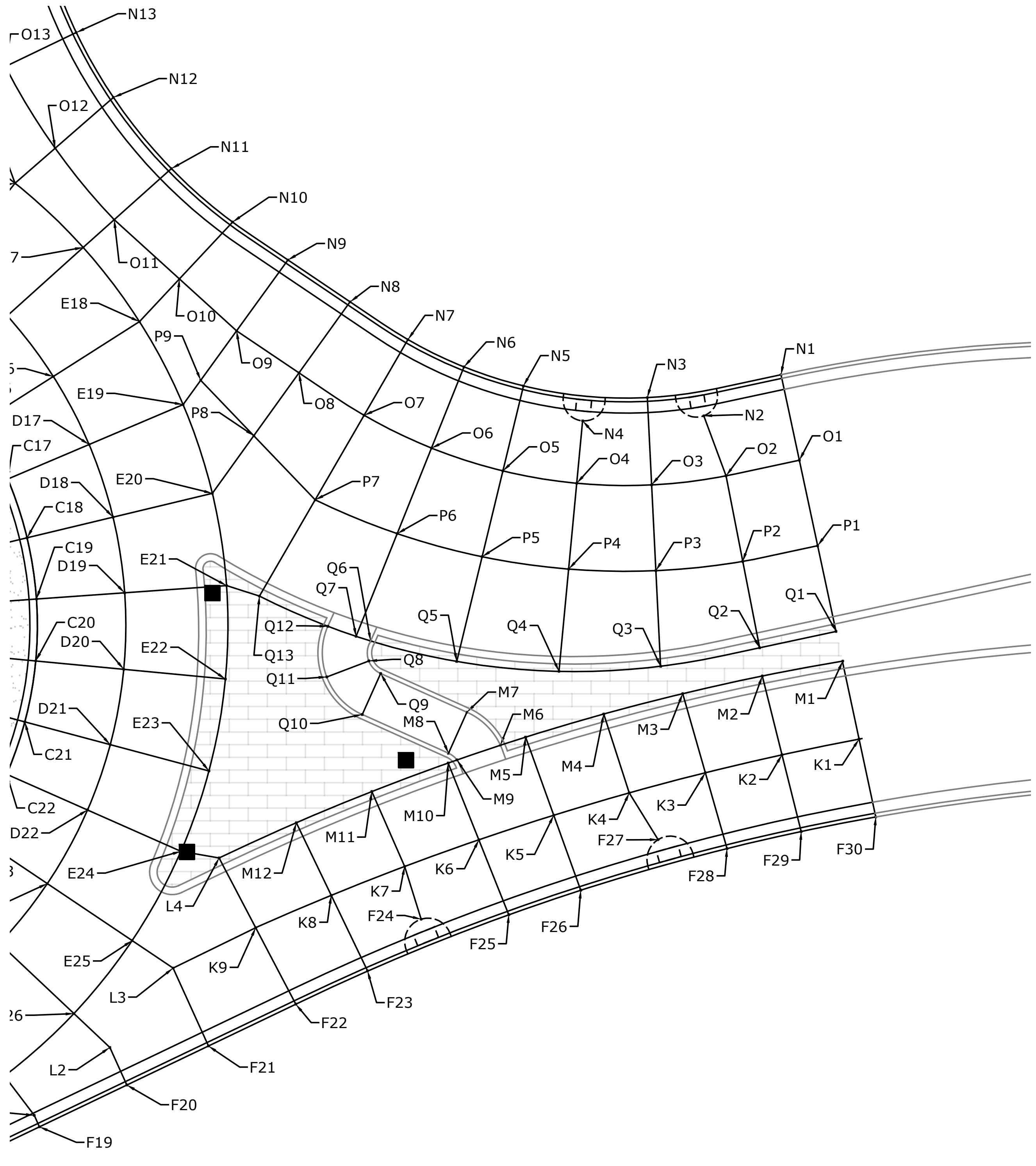
DJ&A ENGINEERS PLANNERS SURVEYORS

MULLAN BUILD
100% - BID PLANS

GEORGE ELMER DRIVE &
MULLAN ROAD NORTH LEG
PCCP JOINTING PLAN

SHEET C.11 OF C.49

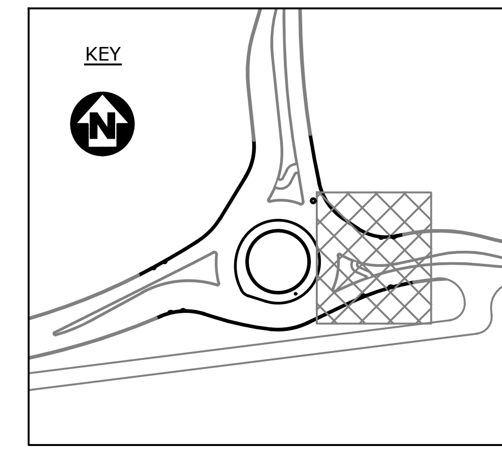
SCALE IN FEET
0 10 20
CONTOUR INTERVAL = 1'
(PLOT SIZE = 11" x 17")



NOTES:

1. THIS SHEET IS PROVIDED FOR BIDDING INFORMATION ONLY. AN ELECTRONIC CSV FILE WILL BE PROVIDED UPON REQUEST. THIS FILE WILL INCLUDE THE NORTHING, EASTING, AND ELEVATION FOR EACH JOINT LABELED IN THE PLANS.
2. PROVIDE ISOLATION JOINTS AROUND ALL UTILITIES PER MDT DETAILED DRAWING 501-05.
3. VERIFY IN FIELD THAT SLAB WIDTHS ARE NOT LESS THAN 2' OR GREATER THAN 15'. ADJUST JOINT LOCATIONS AS NECESSARY.
4. SEE SHEET C.25 FOR P.C.C.P. JOINTING DETAILS

KEY



LEGEND:

LANDSCAPED CENTRAL ISLAND

TRUCK APRON

SPLITTER ISLAND

BOXOUT FOR SIGN POST ON SPLITTER ISLAND
(SEE SECTION "I" SIGNING PLANS)

ISOLATION JOINT

REVISION	DATE	DESCRIPTION
-	-	-

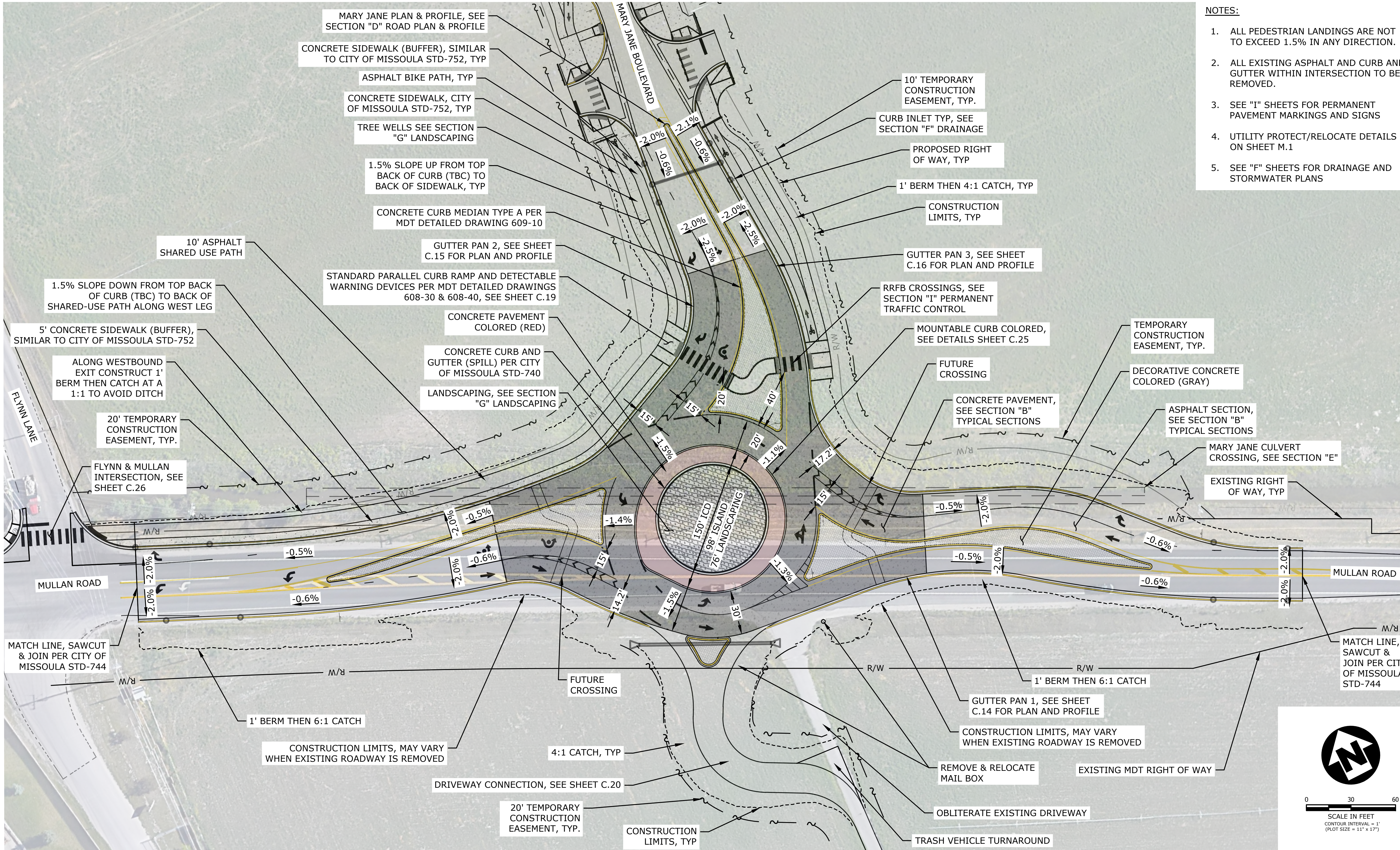
DESIGNER BB PROJ. NO. 7065
DRAWN BB DATE 04/16/2021
CHECKED PD SURVEYED DJ&A, P.C.

DJ&A ENGINEERS PLANNERS SURVEYORS

MULLAN BUILD
100% - BID PLANS

GEORGE ELMER DRIVE &
MULLAN ROAD EAST LEG
PCCP JOINTING PLAN

SHEET C.12 OF C.49



NOTES:

1. ALL PEDESTRIAN LANDINGS ARE NOT TO EXCEED 1.5% IN ANY DIRECTION.
2. ALL EXISTING ASPHALT AND CURB AND GUTTER WITHIN INTERSECTION TO BE REMOVED.
3. SEE "I" SHEETS FOR PERMANENT PAVEMENT MARKINGS AND SIGNS
4. UTILITY PROTECT/RELOCATE DETAILS ON SHEET M.1
5. SEE "F" SHEETS FOR DRAINAGE AND STORMWATER PLANS

REVISION	DATE	DESCRIPTION
-	-	-

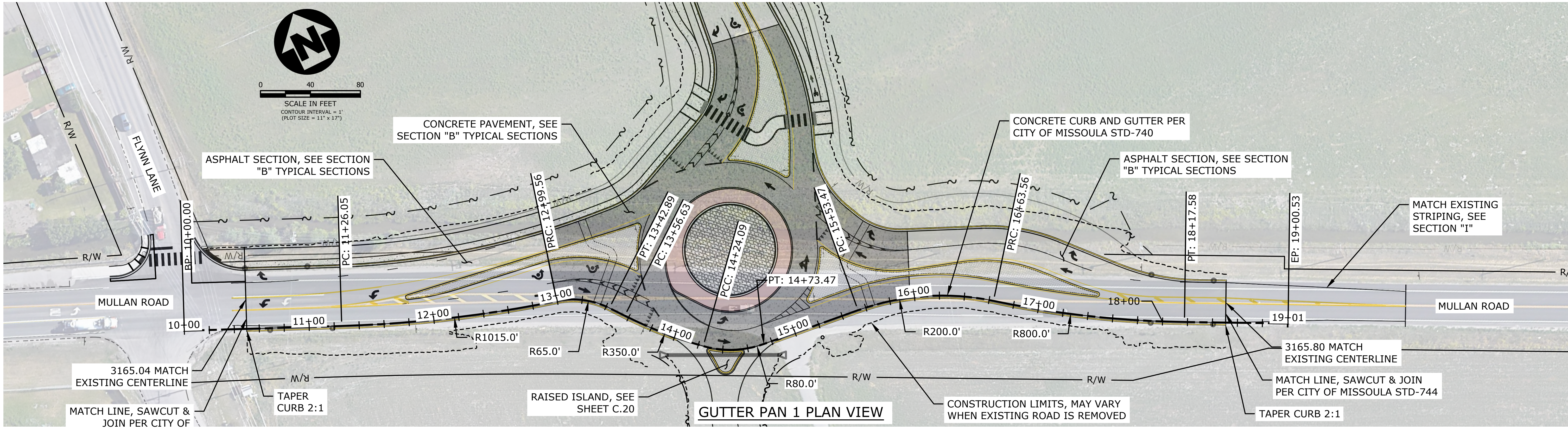
DESIGNER BB PROJ. NO. 7065
DRAWN BB DATE 04/16/2021
CHECKED PD SURVEYED DJ&A, P.C.

DJ&A ENGINEERS PLANNERS SURVEYORS

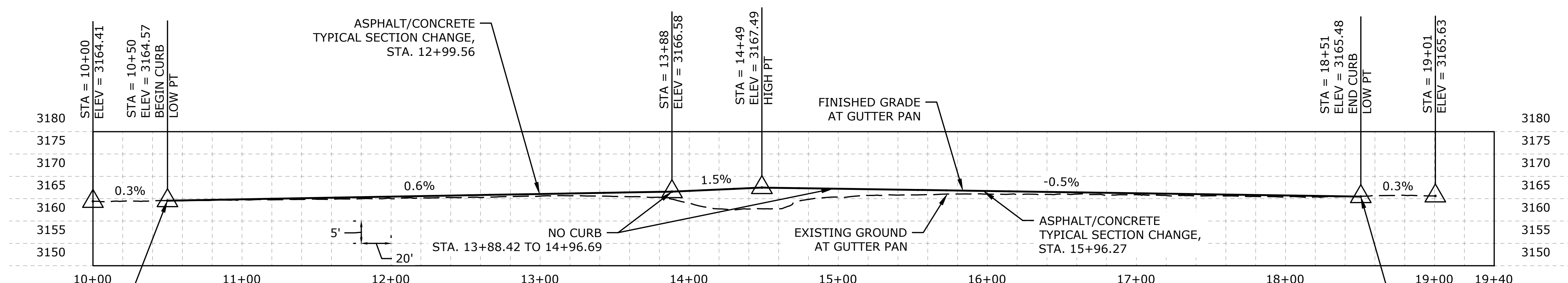
MULLAN BUILD
100% - BID PLANS

MARY JANE BOULEVARD & MULLAN ROAD INTERSECTION PLAN

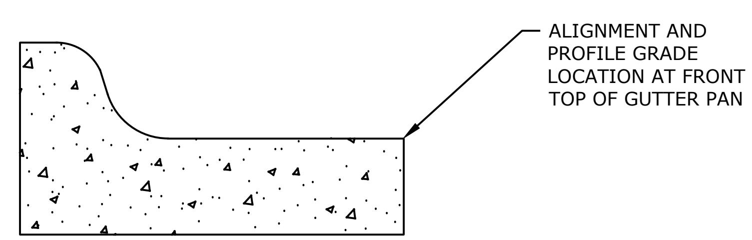
SHEET C.13 OF C.49



GUTTER PAN 1 PLAN VIEW



GUTTER PAN 1 PROFILE VIEW



CONCRETE CURB AND GUTTER PROFILE AND ALIGNMENT LOCATION

REVISION	DATE	DESCRIPTION
-	-	-

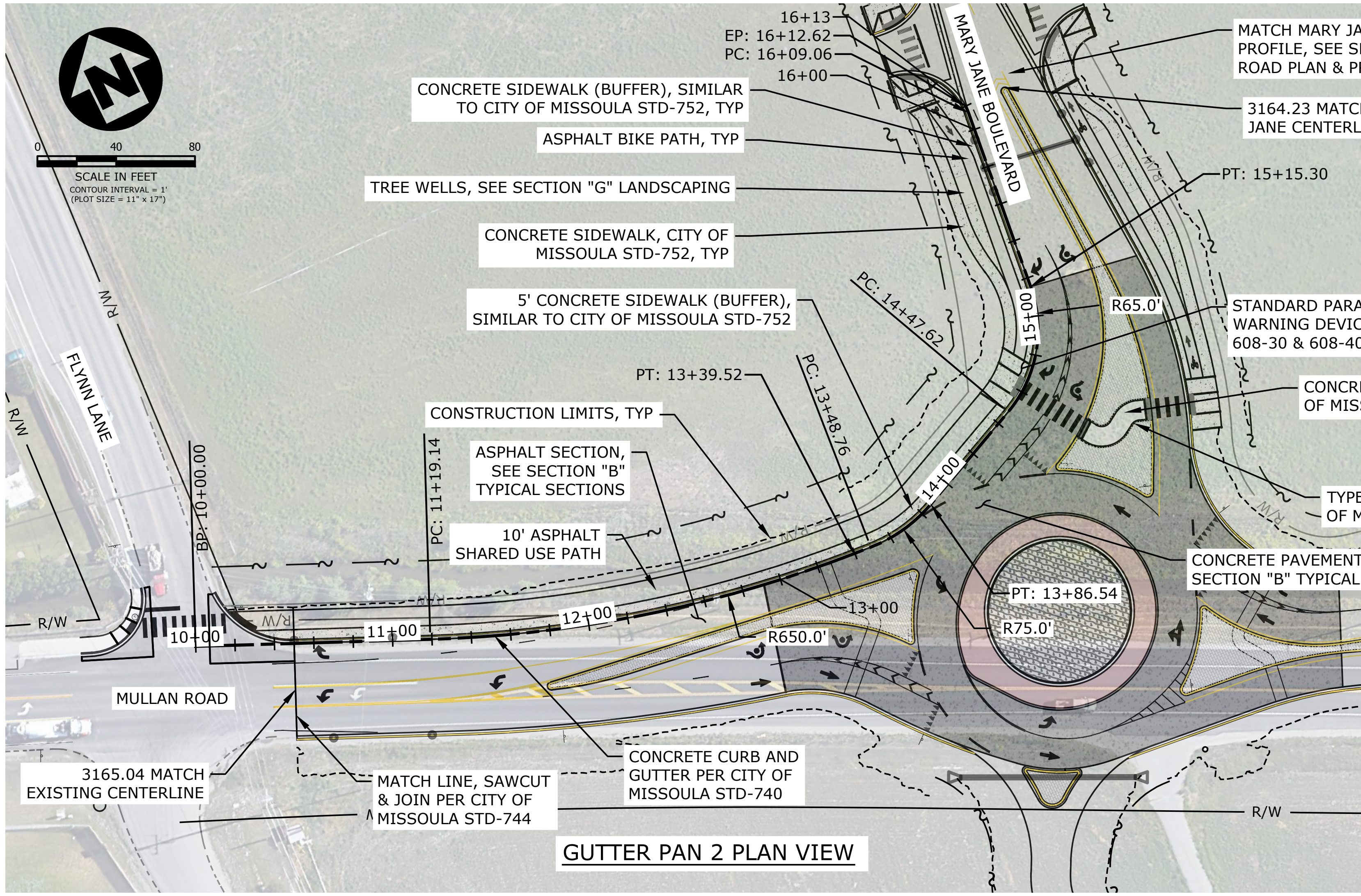
DESIGNER BB — PROJ. NO. 7065
DRAWN BB — DATE 04/16/2021
CHECKED PD — SURVEYED DJ&A, P.C.

DJ&A ENGINEERS PLANNERS SURVEYORS

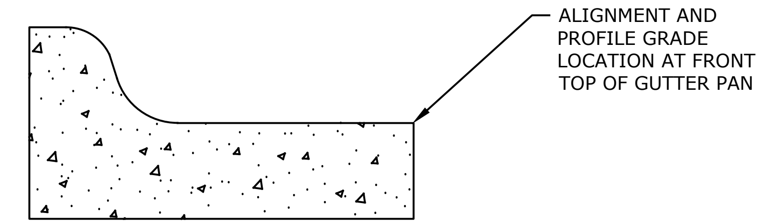
MULLAN BUILD
100% - BID PLANS

MARY JANE BOULEVARD & MULLAN ROAD
GUTTER PLAN & PROFILE 1

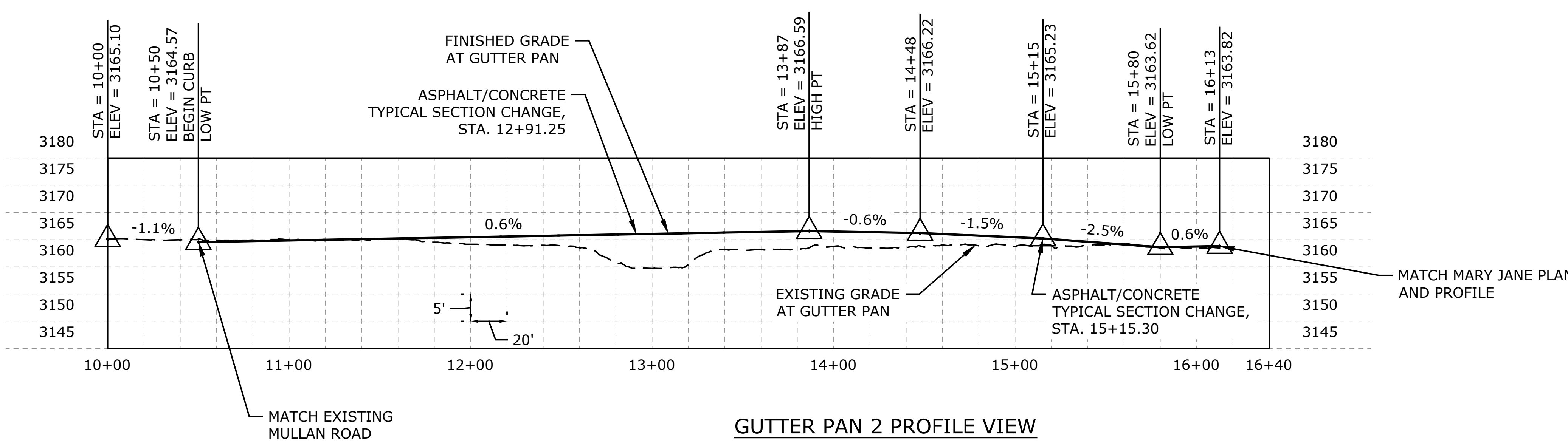
SHEET C.14 OF C.49



GUTTER PAN 2 PLAN VIEW



CONCRETE CURB AND GUTTER PROFILE AND ALIGNMENT LOCATION



GUTTER PAN 2 PROFILE VIEW

REVISION	DATE	DESCRIPTION
-	-	-

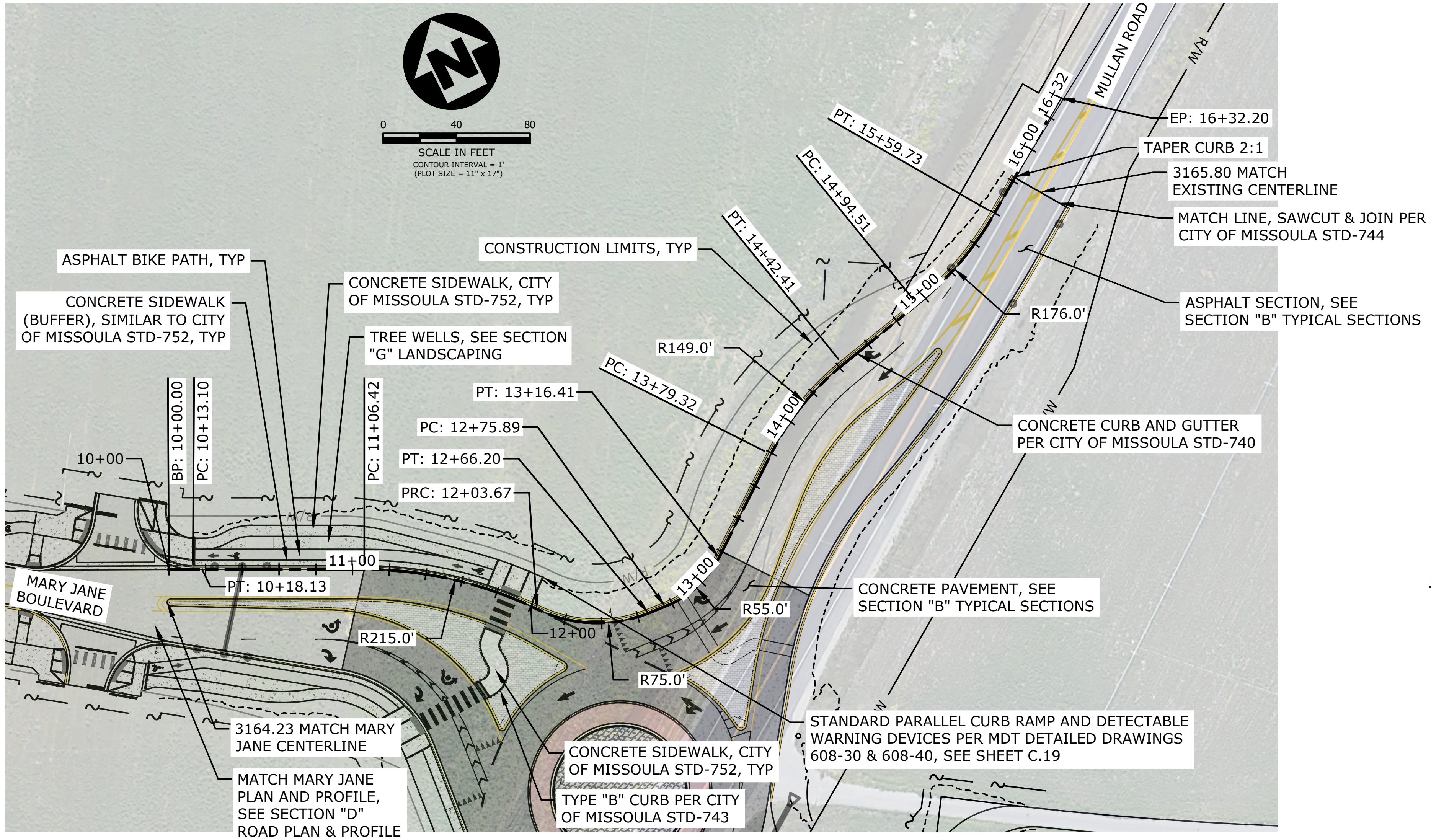
DESIGNER BB PROJ. NO. 7065
DRAWN BB DATE 04/16/2021
CHECKED PD SURVEYED DJ&A, P.C.

DJ&A ENGINEERS PLANNERS SURVEYORS

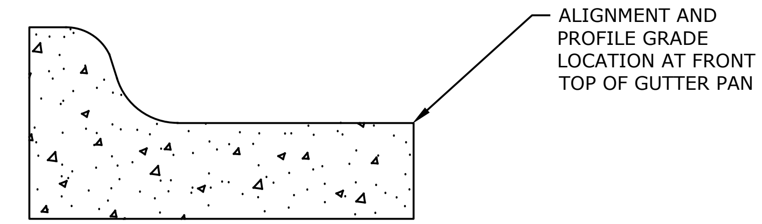
MULLAN BUILD
100% - BID PLANS

MARY JANE BOULEVARD & MULLAN ROAD
GUTTER PLAN & PROFILE 2

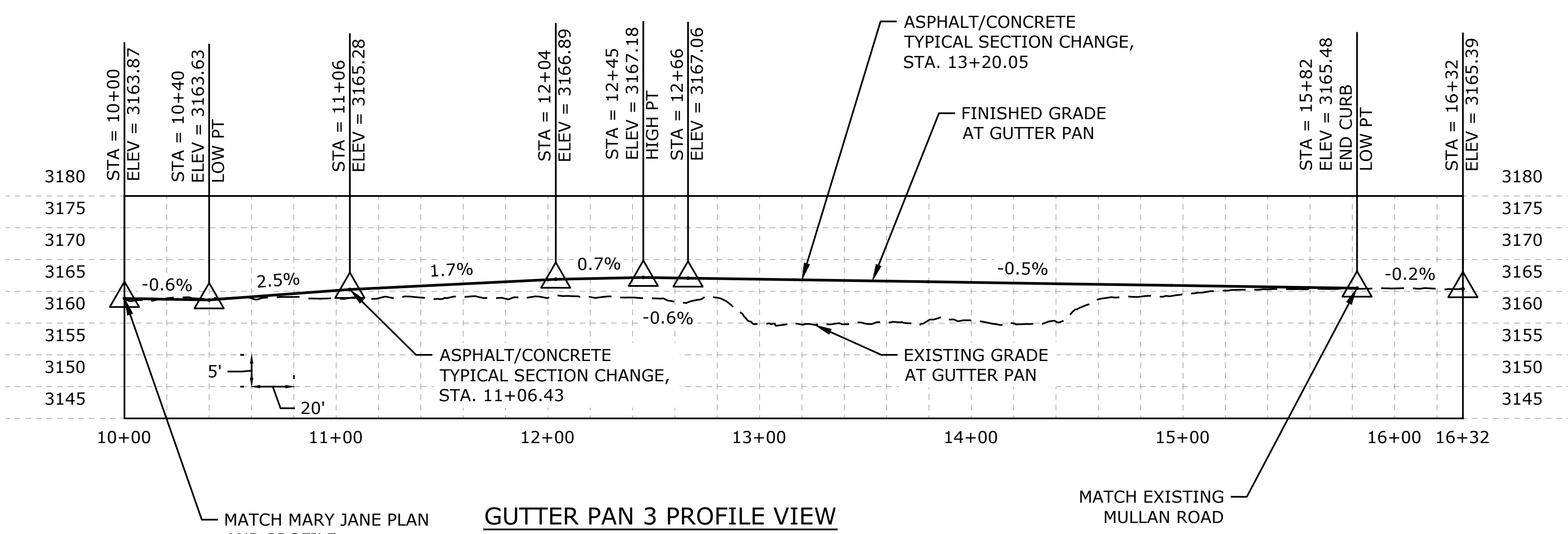
SHEET C.15 OF C.49



GUTTER PAN 3 PLAN VIEW



CONCRETE CURB AND GUTTER PROFILE AND ALIGNMENT LOCATION



GUTTER PAN 3 PROFILE VIEW

REVISION	DATE	DESCRIPTION
-	-	-

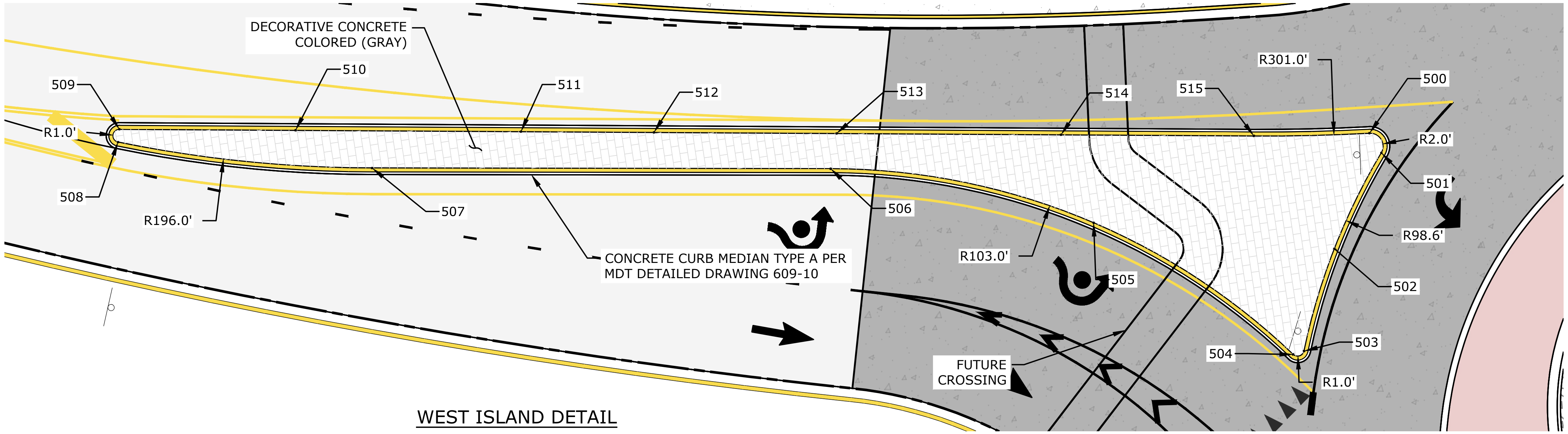
DESIGNER BB PROJ. NO. 7065
DRAWN BB DATE 04/16/2021
CHECKED PD SURVEYED DJ&A, P.C.

DJ&A ENGINEERS PLANNERS SURVEYORS

MULLAN BUILD
100% - BID PLANS

MARY JANE BOULEVARD &
MULLAN ROAD
GUTTER PLAN & PROFILE 3

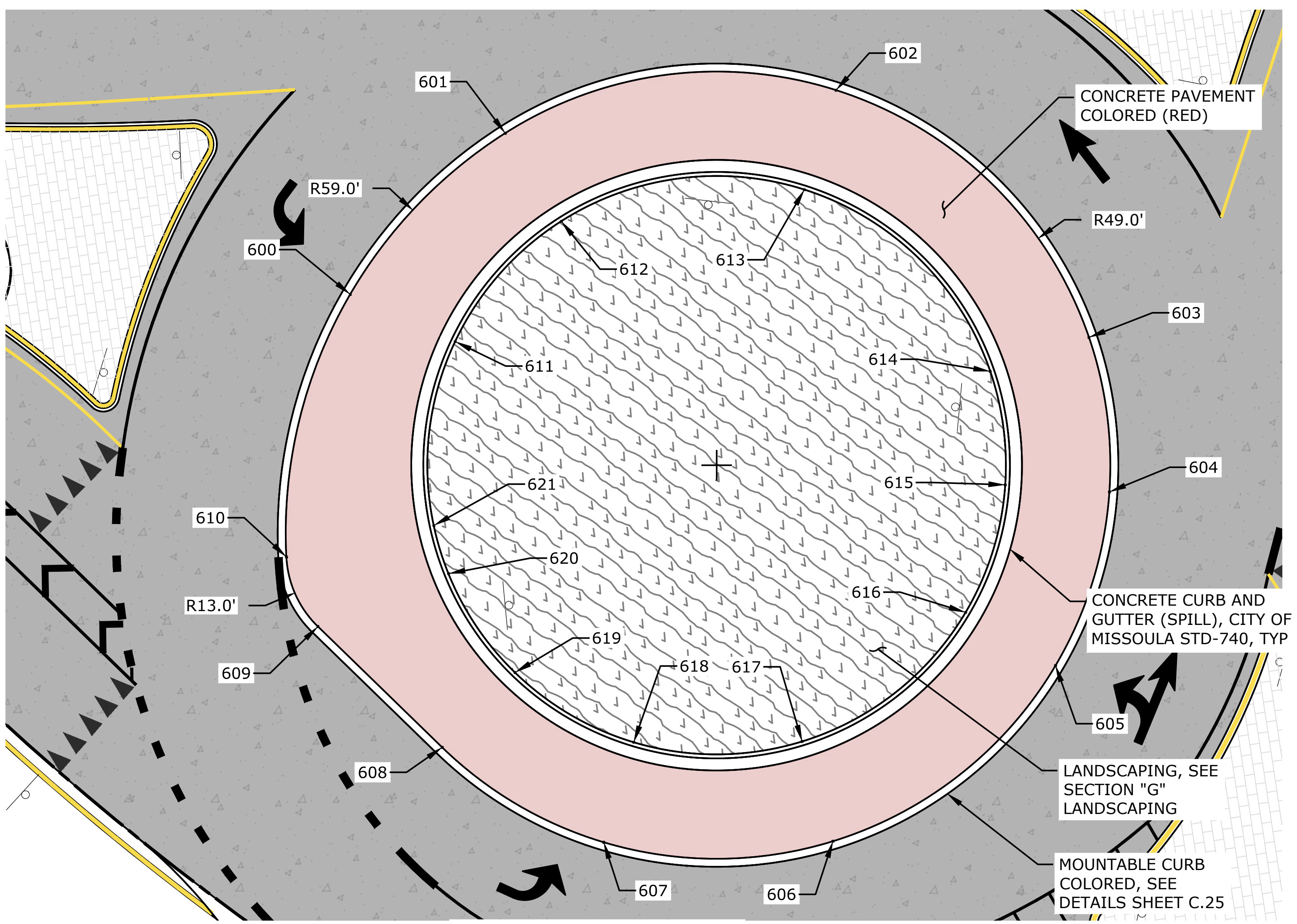
SHEET C.16 OF C.49



WEST ISLAND DETAIL

WEST ISLAND POINTS

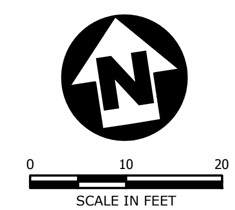
LAYOUT POINTS				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
500	994572.4408	831119.5453	3167.32	PRC
501	994569.1791	831120.8951	3167.36	PRC, GB
502	994555.6909	831111.5594	3167.44	GB
503	994540.8415	831104.5893	3167.34	PRC, GB
504	994540.5784	831102.8604	3167.32	PRC, GB
505	994565.1655	831075.6099	3167.37	GB
506	994579.4350	831036.9346	3167.17	PT, GB
507	994590.0934	830967.3476	3166.57	PC
508	994599.8780	830929.3748	3166.23	PCC, GB
509	994601.8043	830929.8756	3166.26	PT, GB
510	994597.5919	830956.6026	3166.38	
511	994592.2060	830990.7751	3166.53	
512	994589.0272	831010.9435	3166.63	
513	994584.6597	831038.6544	3166.75	GB
514	994579.2971	831072.6791	3166.99	
515	994574.6868	831101.9304	3167.20	PC



CENTER ISLAND DETAIL

NOTES:

1. ALL ELEVATION AND RADIUS CALLOUTS ARE TO THE TOP BACK OF CURB (TBC), UNLESS OTHERWISE NOTED.
2. GB = GRADE BREAK
   PT = POINT OF TANGENT
   PC = POINT OF CURVE
   PCC = POINT OF COMPOUND CURVE
   PRC = POINT OF REVERSE CURVE



CONTOUR INTERVAL = 1'
(PLOT SIZE = 11" x 17")

CENTER ISLAND POINTS

LAYOUT POINTS				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
600	994549.0207	831135.9291	3167.52	GB
601	994565.9671	831158.0052	3167.35	PCC, GB
602	994565.0998	831199.5155	3167.67	
603	994529.9516	831226.0376	3168.00	
604	994510.5490	831225.6709	3168.14	GB
605	994490.1832	831215.8010	3168.15	GB
606	994472.7033	831185.1227	3167.97	
607	994476.8525	831156.9043	3167.82	GB
608	994491.5504	831138.7898	3167.58	PT
609	994508.7451	831125.7505	3167.37	PC, GB
610	994517.8965	831123.1737	3167.31	PCC, GB

CENTER ISLAND POINTS

LAYOUT POINTS				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
611	994541.2600	831147.9683	3168.26	GB
612	994554.0790	831163.2657	3168.08	GB
613	994553.4418	831193.7630	3168.40	
614	994527.6186	831213.2487	3168.73	
615	994513.3637	831212.9792	3168.87	GB
616	994498.4010	831205.7279	3168.88	GB
617	994485.5586	831183.1888	3168.70	
618	994488.6070	831162.4568	3168.55	GB
619	994499.4055	831149.1482	3168.31	GB
620	994512.8119	831142.8140	3168.16	GB
621	994519.0137	831141.8971	3168.12	GB

REVISION	DATE	DESCRIPTION
-	-	-

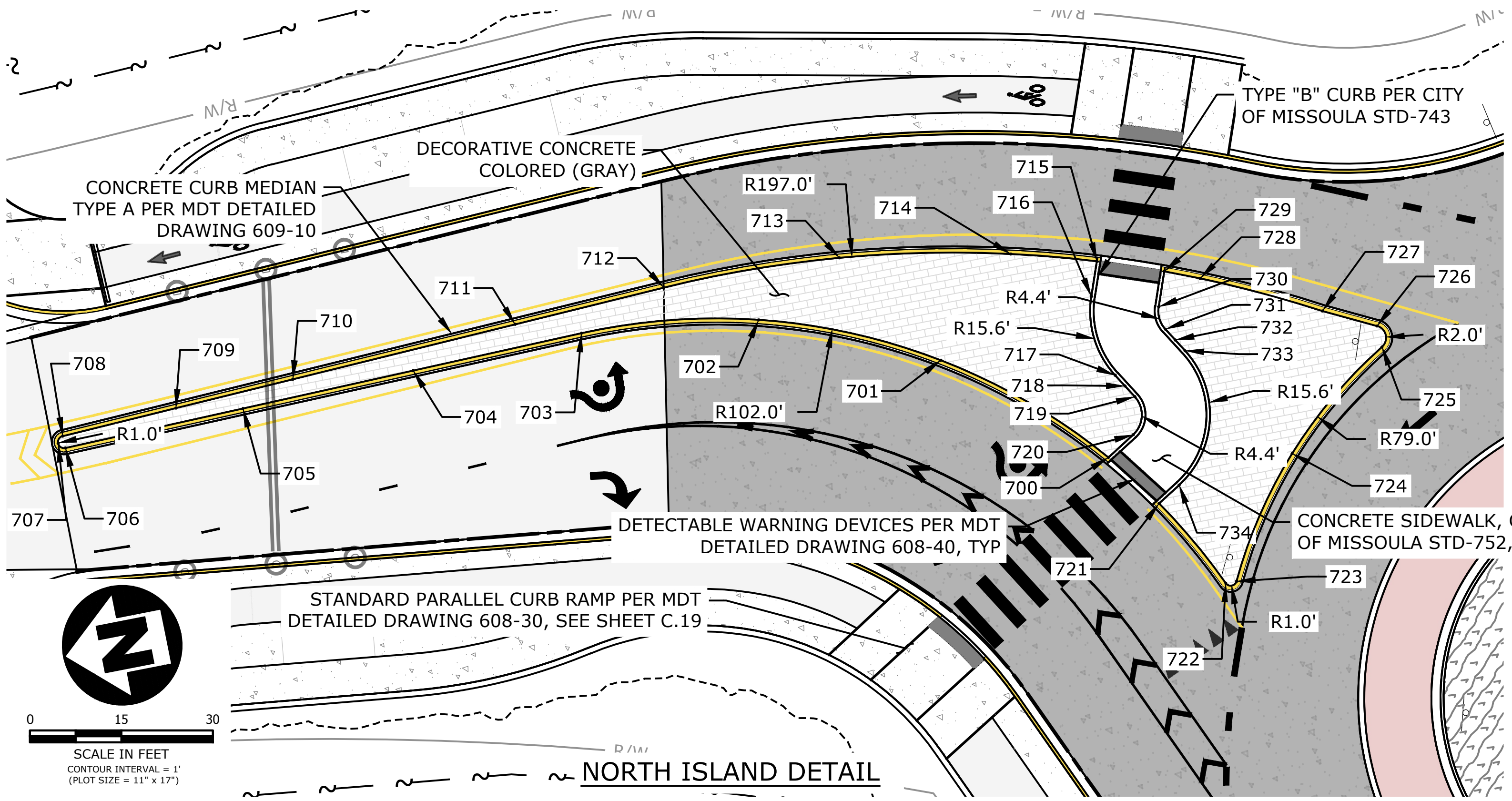
DESIGNER BB PROJ. NO. 7065
DRAWN BB DATE 04/16/2021
CHECKED PD SURVEYED DJ&A, P.C.

DJ&A ENGINEERS PLANNERS SURVEYORS

MULLAN BUILD
100% - BID PLANS

MARY JANE BOULEVARD &
MULLAN ROAD
ISLAND DETAILS

SHEET C.17 OF C.49



NORTH ISLAND DETAIL

NORTH ISLAND POINTS
LAYOUT POINTS

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
700	994602.8137	831233.9986	3167.18	PC, GB
701	994626.7258	831254.9209	3166.88	
702	994654.7358	831267.1620	3166.60	GB
703	994683.6828	831270.6001	3166.13	PT, GB
704	994711.9343	831269.8890	3165.31	GB
705	994740.5192	831269.1695	3164.57	GB
706	994770.3097	831268.4196	3164.71	PC, GB
707	994771.3342	831269.3824	3164.73	GB
708	994770.3834	831270.4181	3164.71	PT, GB
709	994751.2827	831271.3466	3164.59	
710	994731.5576	831272.3055	3164.46	GB
711	994694.0755	831274.1276	3165.40	
712	994668.9908	831275.3471	3166.02	PC, GB
713	994639.8041	831274.5998	3166.61	GB
714	994612.1338	831269.8188	3167.06	
715	994598.4827	831265.9160	3167.29	PT, GB
716	994600.4736	831260.4379	3167.34	PC, GB
717	994599.1327	831247.0028	3167.42	PT
718	994597.8910	831244.9664	3167.44	GB
719	994596.6494	831242.9299	3167.40	PC, GB

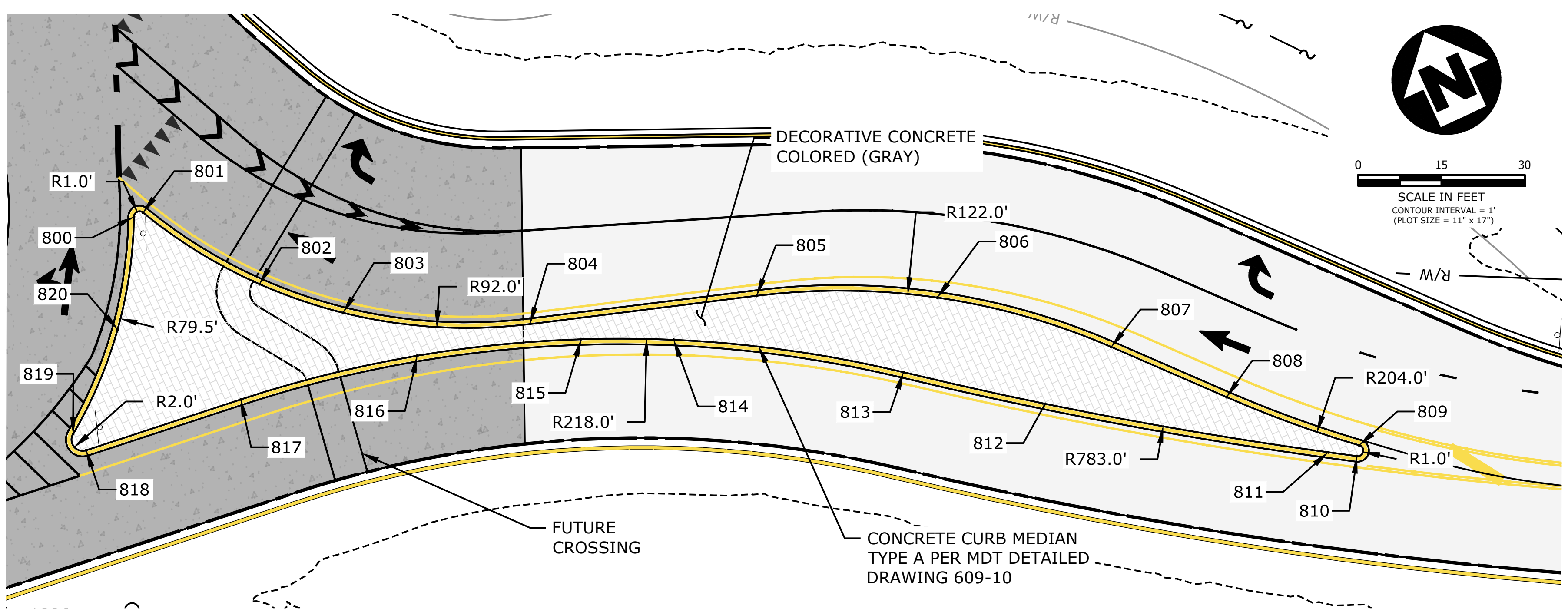
NORTH ISLAND POINTS
LAYOUT POINTS

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
720	994598.1211	831236.8597	3167.28	PT, GB
721	994596.1106	831225.0069	3167.29	PC, GB
722	994587.9153	831210.0766	3167.45	PRC, GB
723	994586.1051	831210.0397	3167.49	PRC, GB
724	994573.1293	831228.8365	3167.67	
725	994555.3196	831243.1370	3167.86	PRC, GB
726	994555.4418	831246.6514	3167.92	PT, GB
727	994563.7706	831250.7989	3167.87	PC, GB
728	994582.4082	831259.9005	3167.57	GB
729	994587.9658	831262.1619	3167.47	PT, GB
730	994589.9785	831256.6238	3167.50	PC, GB
731	994589.5984	831252.8160	3167.53	PT, GB
732	994588.3568	831250.7795	3167.54	GB
733	994587.1152	831248.7431	3167.52	PC
734	994592.3079	831227.3255	3167.33	PT, GB

EAST ISLAND POINTS
LAYOUT POINTS

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
800	994489.8477	831243.2173	3168.15	PRC, GB
801	994489.8574	831245.0176	3168.13	PRC, GB
802	994469.4404	831258.6843	3168.14	GB
803	994458.4888	831270.1944	3168.06	
804	994442.6440	831299.8925	3167.89	PT, GB
805	994430.2622	831339.0666	3167.63	PC
806	994416.4274	831368.4742	3167.41	GB
807	994395.3194	831393.1859	3167.23	PT
808	994378.4734	831408.2707	3167.11	PC
809	994360.6470	831426.3547	3166.97	PRC, GB
810	994359.0453	831425.1672	3166.83	PCC, GB
811	994361.8346	831420.7514	3166.85	
812	994390.9772	831378.1263	3167.11	
813	994406.7670	831357.3279	3167.24	PRC
814	994429.2905	831322.2021	3167.45	
815	994436.3210	831307.1179	3167.53	
816	994445.9153	831279.1083	3167.68	
817	994451.9911	831247.0048	3167.84	PT
818	994455.2659	831217.8968	3167.99	PC, GB
819	994458.8930	831216.9752	3168.06	PRC, GB
820	994472.6685	831232.1037	3168.25	GB

NOTES:
1. ALL ELEVATION AND RADIUS CALLOUTS ARE TO THE TOP BACK OF CURB (TBC), UNLESS OTHERWISE NOTED.
2. GB = GRADE BREAK
   PT = POINT OF TANGENT
   PC = POINT OF CURVE
   PCC = POINT OF COMPOUND CURVE
   PRC = POINT OF REVERSE CURVE



EAST ISLAND DETAIL

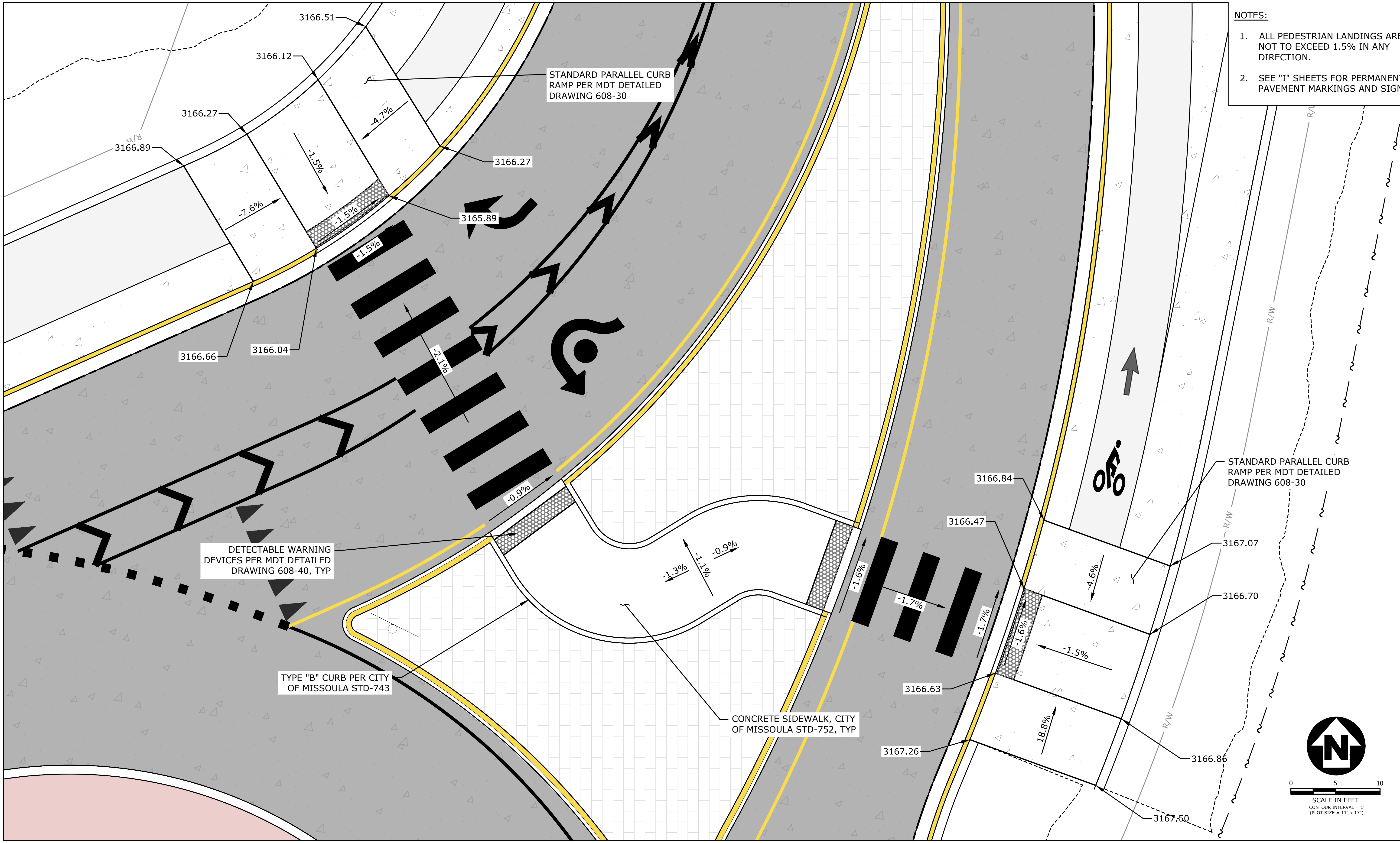
REVISION	DATE	DESCRIPTION
-	-	-

DESIGNER BB | PROJ. NO. 7065
DRAWN BB | DATE 04/16/2021
CHECKED PD | SURVEYED DJ&A, P.C.

DJ&A ENGINEERS PLANNERS SURVEYORS

MULLAN BUILD
100% - BID PLANS

MARY JANE BOULEVARD &
MULLAN ROAD
ISLAND DETAILS



NOTES:

1. ALL PEDESTRIAN LANDINGS ARE NOT TO EXCEED 1.5% IN ANY DIRECTION.
2. SEE "I" SHEETS FOR PERMANENT PAVEMENT MARKINGS AND SIGNS

REVISION	DATE	DESCRIPTION
-	-	-

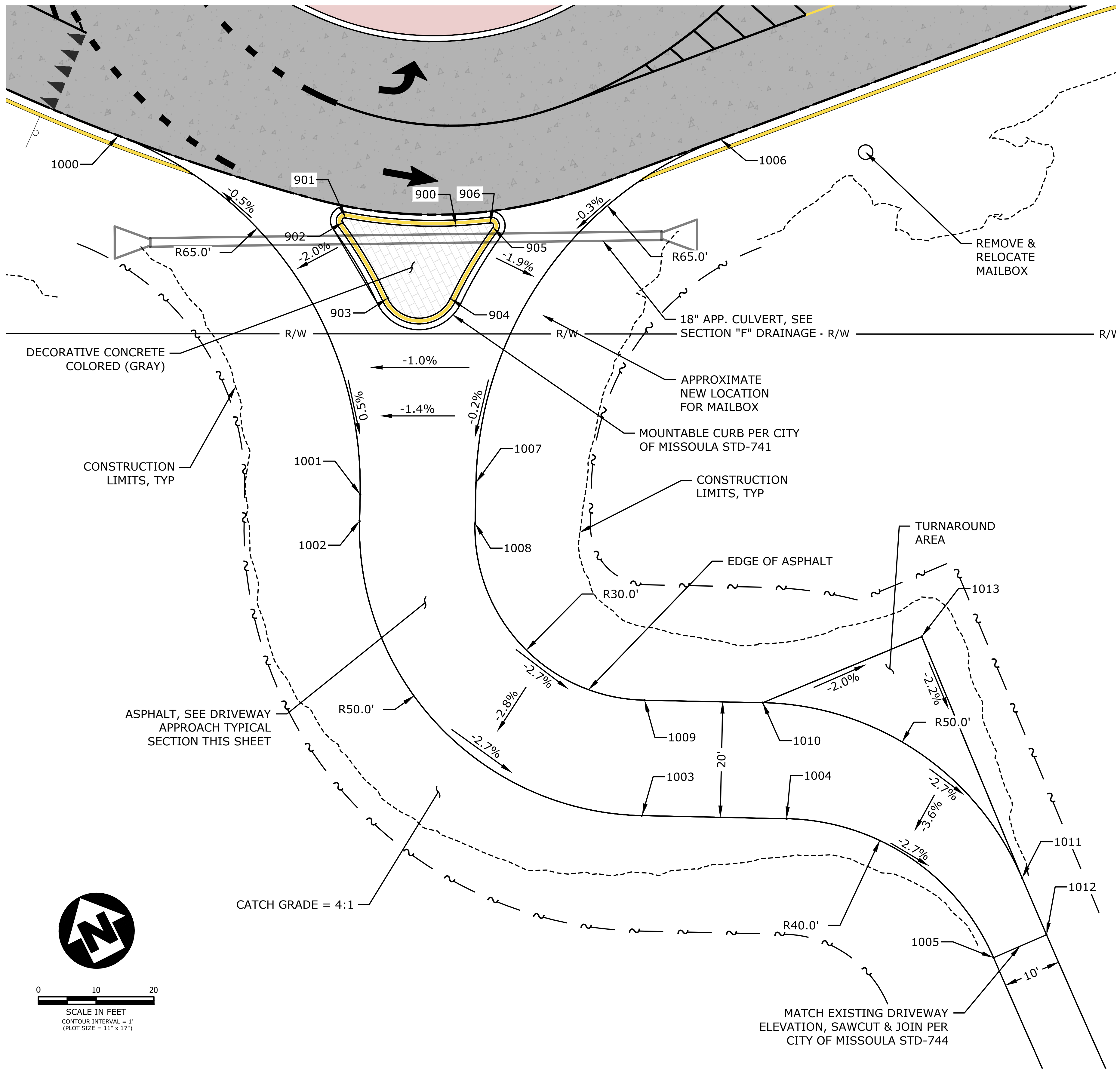
DESIGNER BB PROJ. NO. 7065
DRAWN BB DATE 04/16/2021
CHECKED PD SURVEYED DJ&A, P.C.

DJ&A ENGINEERS PLANNERS SURVEYORS

MULLAN BUILD
100% - BID PLANS

MARY JANE BOULEVARD & MULLAN ROAD
ADA RAMP DETAILS

SHEET C.19 OF C.49



DRIVEWAY DETAIL

SPLITTER ISLAND POINTS

LAYOUT POINTS

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
900	994446.3060	831144.3492	3167.78	GB
901	994456.1297	831127.8800	3167.50	PRC, GB
902	994455.6496	831127.0825	3167.26	PRC, GB
903	994440.4388	831128.1306	3167.33	PRC, GB
904	994435.5007	831137.7860	3167.59	PRC, GB
905	994443.1548	831149.9322	3167.66	PRC, GB
906	994444.0709	831149.8766	3167.75	PRC, GB

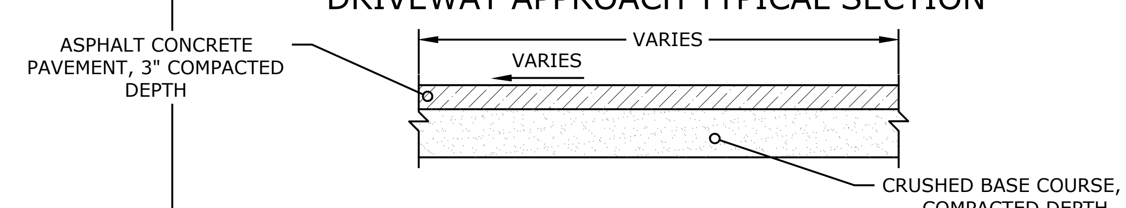
DRIVEWAY POINTS

LAYOUT POINTS

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
1000	994486.5876	831099.1829	3166.58	PC, GB
1001	994412.2421	831108.5476	3166.98	PT, GB
1002	994408.2051	831106.3994	3166.86	PC
1003	994340.5773	831127.0508	3164.75	PT
1004	994328.8203	831149.1448	3164.07	PC
1005	994291.1717	831170.2860	3162.85	MATCH EG
1006	994439.0631	831191.9680	3167.25	PC, GB
1007	994405.0018	831127.3502	3167.06	PT, GB
1008	994398.8098	831124.0552	3166.86	PC
1009	994358.2330	831136.4462	3165.58	PT
1010	994348.6172	831154.5165	3165.02	PC
1011	994301.2656	831180.9250	3163.45	PT
1012	994290.5875	831180.2689	3163.17	MATCH EG
1013	994346.4263	831184.2525	3164.42	PULLOUT

NOTES:
1. DRIVEWAY TYPICAL SECTION BASED ON CITY OF MISSOULA STD-703 FOR MEDIUM SUBGRADE.
2. ALL CURB CALLOUTS ARE AT TOP BACK OF CURB (TBC) AND ALL DRIVEWAY CALLOUTS ARE AT EDGE OF PAVEMENT (EOP), ADJUST ELEVATIONS AND SPLINE GRADES BETWEEN ELEVATIONS AS NECESSARY TO ENSURE PROPER DRAINAGE.
3. CURVE RADIUS DATA ARE BASED ON TBC FOR CURBED RADII AND AT EOP FOR UNCURBED RADII.
4. GB = GRADE BREAK, PT = POINT OF TANGENT, PC = POINT OF CURVE, PCC = POINT OF COMPOUND CURVE, PRC = POINT OF REVERSE CURVE

DRIVEWAY APPROACH TYPICAL SECTION



REVISION	DATE	DESCRIPTION
-	-	-

DESIGNER BB PROJ. NO. 7065
DRAWN BB DATE 04/16/2021
CHECKED PD SURVEYED DJ&A, P.C.

DJ&A ENGINEERS PLANNERS SURVEYORS

MULLAN BUILD
100% - BID PLANS

MARY JANE BOULEVARD &
MULLAN ROAD
DRIVEWAY DETAIL

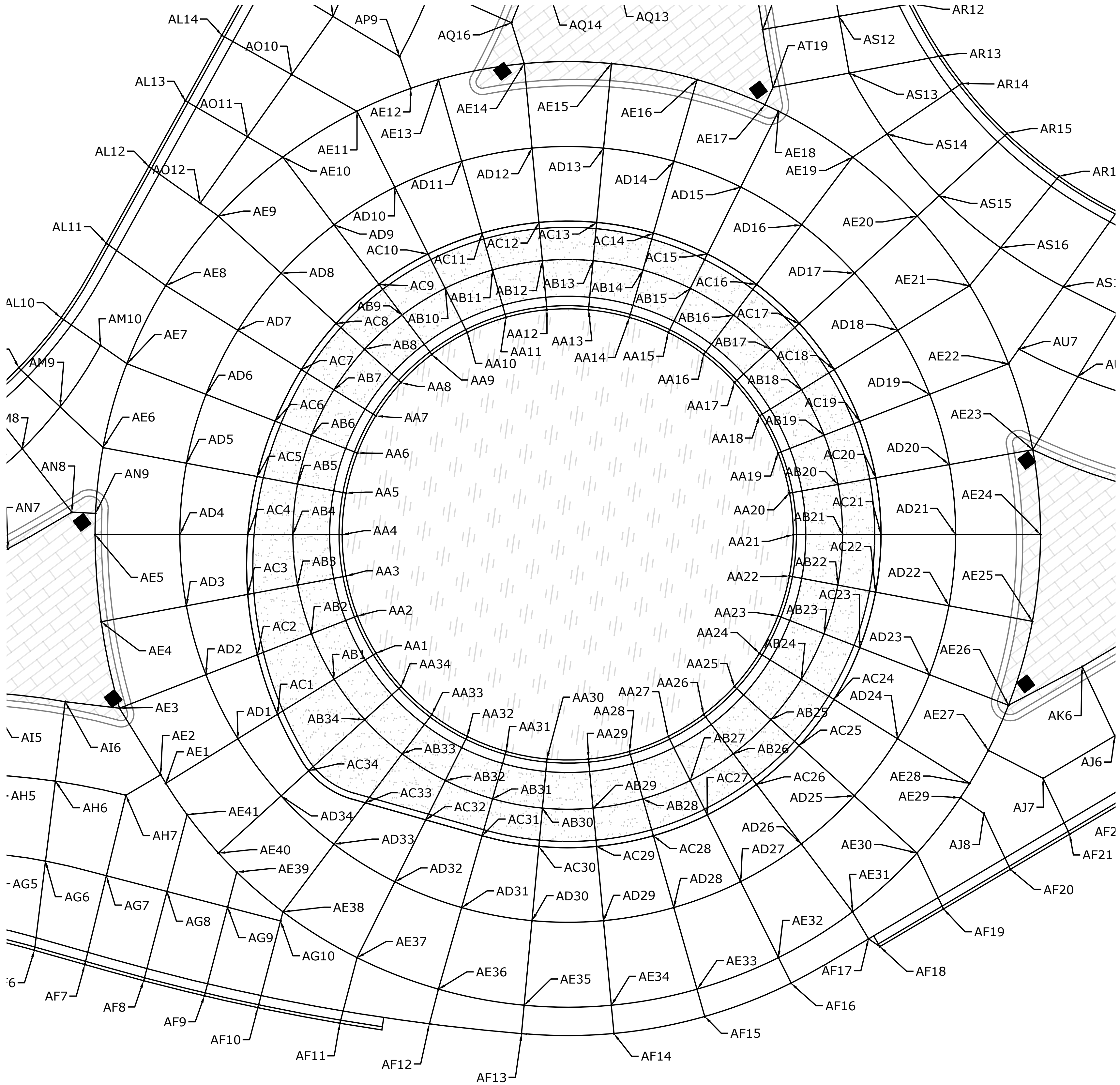
SHEET C.20 OF C.49

0 10 20

SCALE IN FEET

CONTOUR INTERVAL = 1'

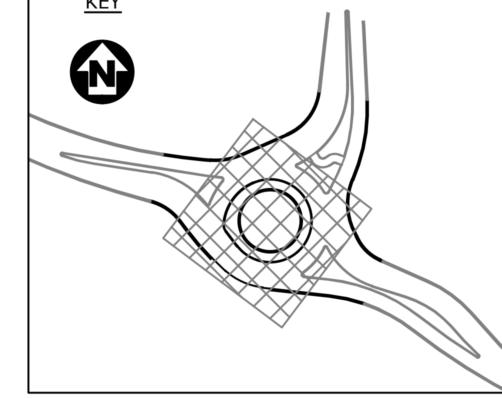
(PLOT SIZE = 11" x 17")



NOTES:

1. THIS SHEET IS PROVIDED FOR BIDDING INFORMATION ONLY. AN ELECTRONIC CSV FILE WILL BE PROVIDED UPON REQUEST. THIS FILE WILL INCLUDE THE NORTHING, EASTING, AND ELEVATION FOR EACH JOINT LABELED IN THE PLANS.
2. PROVIDE ISOLATION JOINTS AROUND ALL UTILITIES PER MDT DETAILED DRAWING 501-05.
3. VERIFY IN FIELD THAT SLAB WIDTHS ARE NOT LESS THAN 2' OR GREATER THAN 15'. ADJUST JOINT LOCATIONS AS NECESSARY.
4. SEE SHEET C.25 FOR P.C.C.P. JOINTING DETAILS

KEY



LEGEND:

- LANDSCAPED CENTRAL ISLAND
- TRUCK APRON
- SPLITTER ISLAND
- BOXOUT FOR SIGN POST ON SPLITTER ISLAND (SEE SECTION "I" SIGNING PLANS)
- ISOLATION JOINT

REVISION	DATE	DESCRIPTION
-	-	-

DESIGNER BB PROJ. NO. 7065

DRAWN BB DATE 04/16/2021

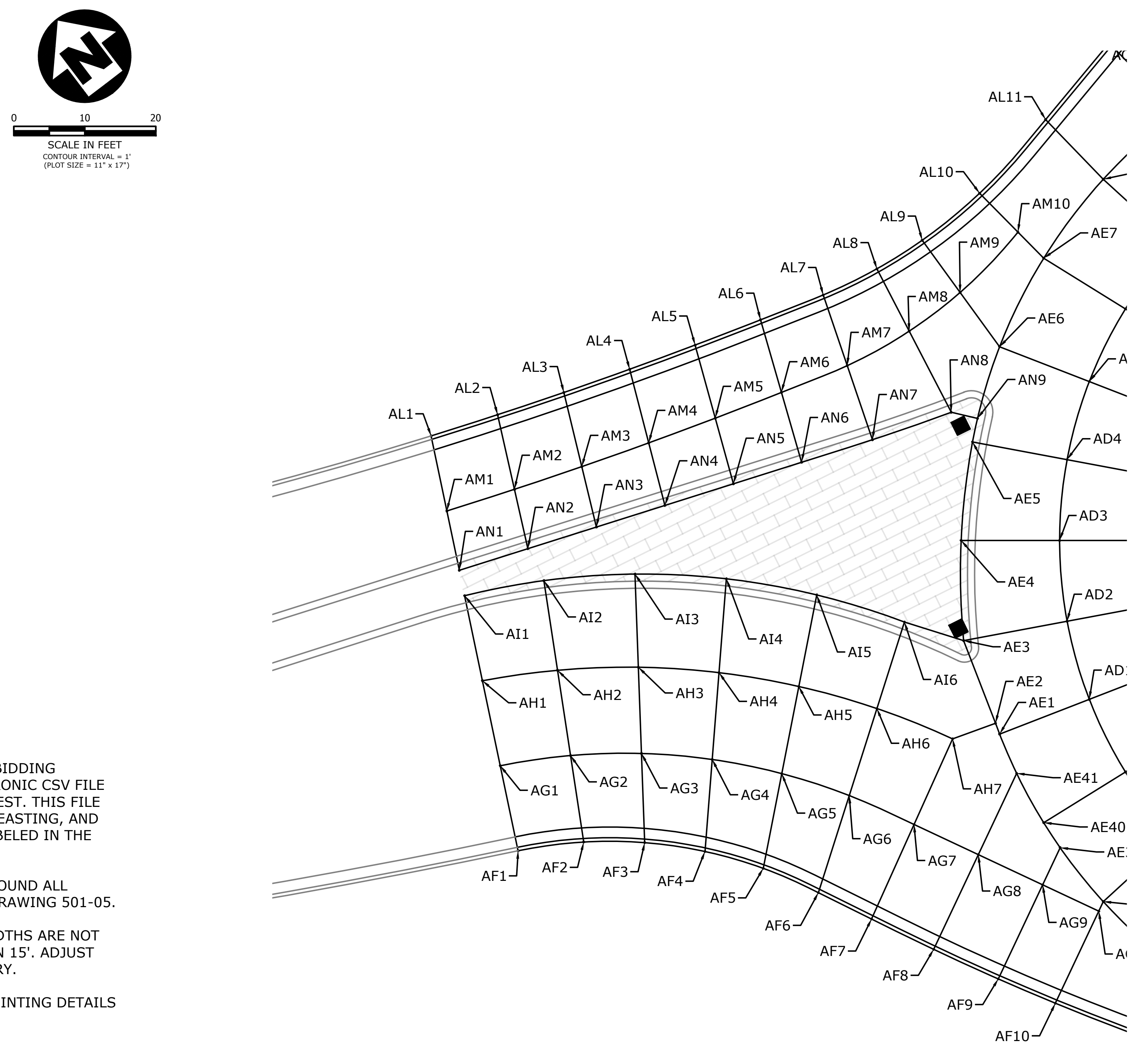
CHECKED PD SURVEYED DJ&A, P.C.

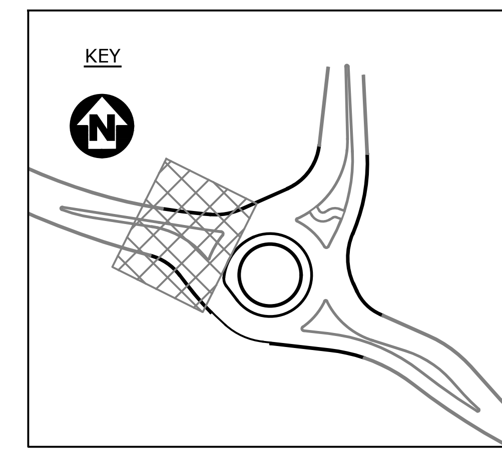
DJ&A ENGINEERS PLANNERS SURVEYORS

MULLAN BUILD
100% - BID PLANS

MARY JANE BOULEVARD &
MULLAN ROAD CENTER
PCCP JOINTING PLAN

SHEET C.21 OF C.49





NOTES:

1. THIS SHEET IS PROVIDED FOR BIDDING INFORMATION ONLY. AN ELECTRONIC CSV FILE WILL BE PROVIDED UPON REQUEST. THIS FILE WILL INCLUDE THE NORTHING, EASTING, AND ELEVATION FOR EACH JOINT LABELED IN THE PLANS.
2. PROVIDE ISOLATION JOINTS AROUND ALL UTILITIES PER MDT DETAILED DRAWING 501-05.
3. VERIFY IN FIELD THAT SLAB WIDTHS ARE NOT LESS THAN 2' OR GREATER THAN 15'. ADJUST JOINT LOCATIONS AS NECESSARY.
4. SEE SHEET C.25 FOR P.C.C.P. JOINTING DETAILS

LEGEND:

- LANDSCAPED CENTRAL ISLAND
- TRUCK APRON
- SPLITTER ISLAND
- BOXOUT FOR SIGN POST ON SPLITTER ISLAND (SEE SECTION "I" SIGNING PLANS)
- ISOLATION JOINT

REVISION	DATE	DESCRIPTION
-	-	-

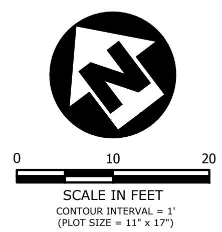
DESIGNER BB PROJ. NO. 7065
DRAWN BB DATE 04/16/2021
CHECKED PD SURVEYED DJ&A, P.C.

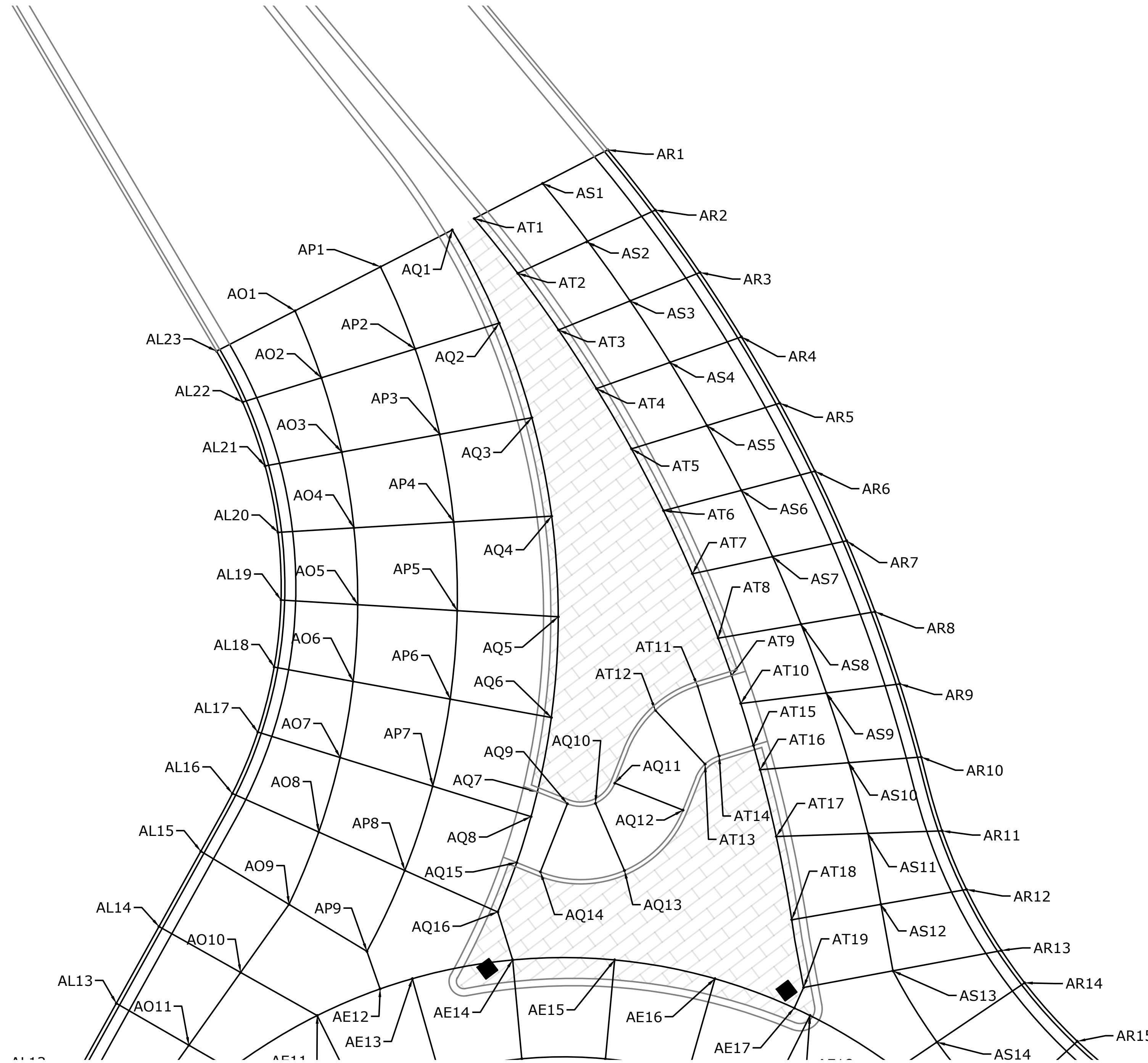
DJ&A ENGINEERS PLANNERS SURVEYORS

MULLAN BUILD
100% - BID PLANS

MARY JANE BOULEVARD &
MULLAN ROAD WEST LEG
PCCP JOINTING PLAN

SHEET C.22 OF C.49

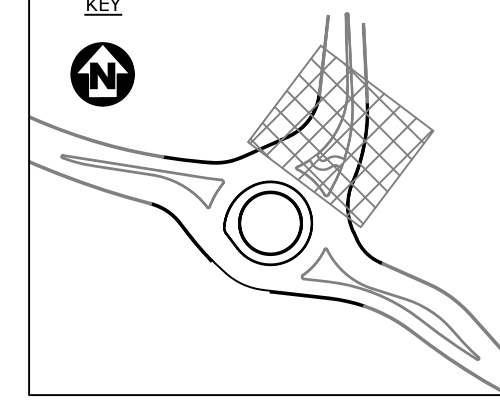




NOTES:

1. THIS SHEET IS PROVIDED FOR BIDDING INFORMATION ONLY. AN ELECTRONIC CSV FILE WILL BE PROVIDED UPON REQUEST. THIS FILE WILL INCLUDE THE NORTHING, EASTING, AND ELEVATION FOR EACH JOINT LABELED IN THE PLANS.
2. PROVIDE ISOLATION JOINTS AROUND ALL UTILITIES PER MDT DETAILED DRAWING 501-05.
3. VERIFY IN FIELD THAT SLAB WIDTHS ARE NOT LESS THAN 2' OR GREATER THAN 15'. ADJUST JOINT LOCATIONS AS NECESSARY.
4. SEE SHEET C.25 FOR P.C.C.P. JOINTING DETAILS

KEY



LEGEND:

- LANDSCAPED CENTRAL ISLAND
- TRUCK APRON
- SPLITTER ISLAND
- BOXOUT FOR SIGN POST ON SPLITTER ISLAND (SEE SECTION "I" SIGNING PLANS)
- ISOLATION JOINT

REVISION	DATE	DESCRIPTION
-	-	-

DESIGNER BB PROJ. NO. 7065
DRAWN BB DATE 04/16/2021
CHECKED PD SURVEYED DJ&A, P.C.

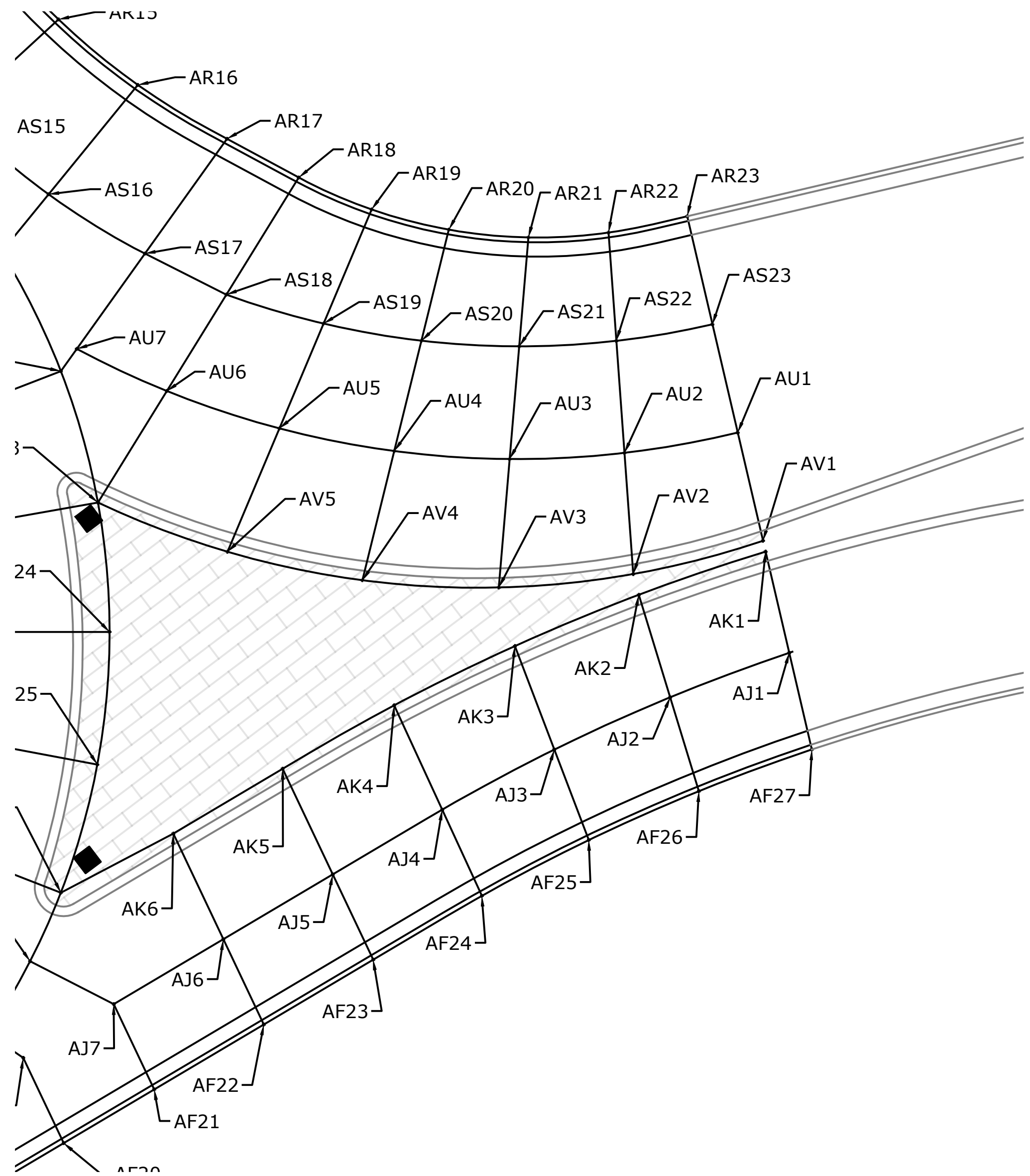
DJ&A ENGINEERS PLANNERS SURVEYORS

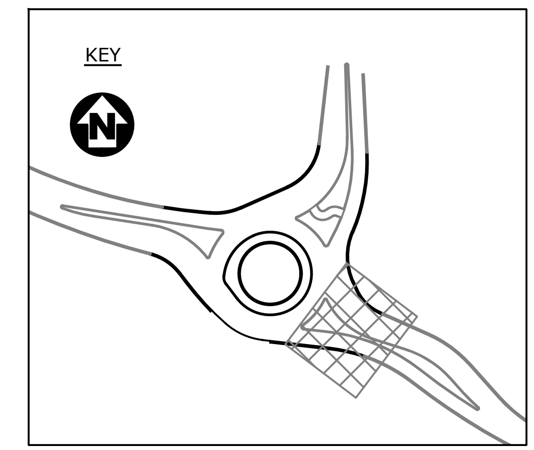
MULLAN BUILD
100% - BID PLANS

MARY JANE BOULEVARD &
MULLAN ROAD NORTH LEG
PCCP JOINTING PLAN

SHEET C.23 OF C.49

0 10 20
SCALE IN FEET
CONTOUR INTERVAL = 1'
(PLOT SIZE = 11" x 17")





NOTES:

1. THIS SHEET IS PROVIDED FOR BIDDING INFORMATION ONLY. AN ELECTRONIC CSV FILE WILL BE PROVIDED UPON REQUEST. THIS FILE WILL INCLUDE THE NORTHING, EASTING, AND ELEVATION FOR EACH JOINT LABELED IN THE PLANS.
2. PROVIDE ISOLATION JOINTS AROUND ALL UTILITIES PER MDT DETAILED DRAWING 501-05.
3. VERIFY IN FIELD THAT SLAB WIDTHS ARE NOT LESS THAN 2' OR GREATER THAN 15'. ADJUST JOINT LOCATIONS AS NECESSARY.
4. SEE SHEET C.25 FOR P.C.C.P. JOINTING DETAILS

LEGEND:

- LANDSCAPED CENTRAL ISLAND
- TRUCK APRON
- SPLITTER ISLAND
- BOXOUT FOR SIGN POST ON SPLITTER ISLAND (SEE SECTION "I" SIGNING PLANS)
- ISOLATION JOINT

REVISION	DATE	DESCRIPTION
-	-	-

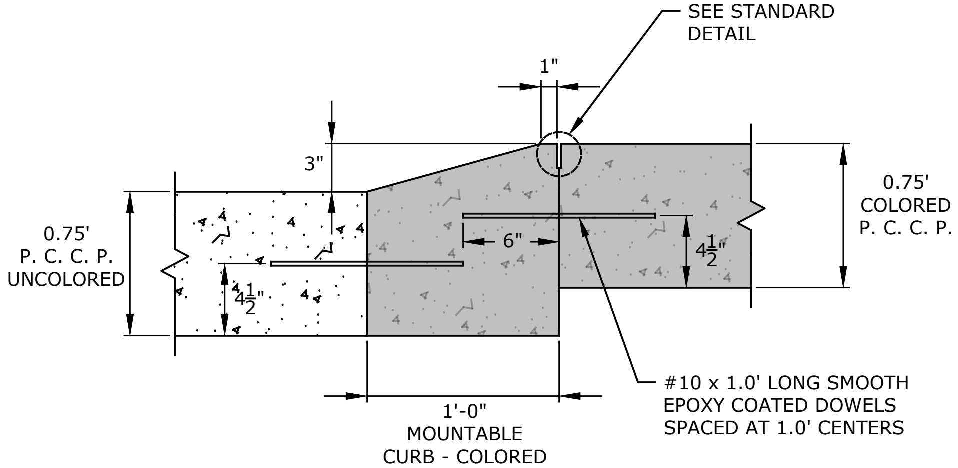
DESIGNER BB PROJ. NO. 7065
DRAWN BB DATE 04/16/2021
CHECKED PD SURVEYED DJ&A, P.C.

DJ&A ENGINEERS PLANNERS SURVEYORS

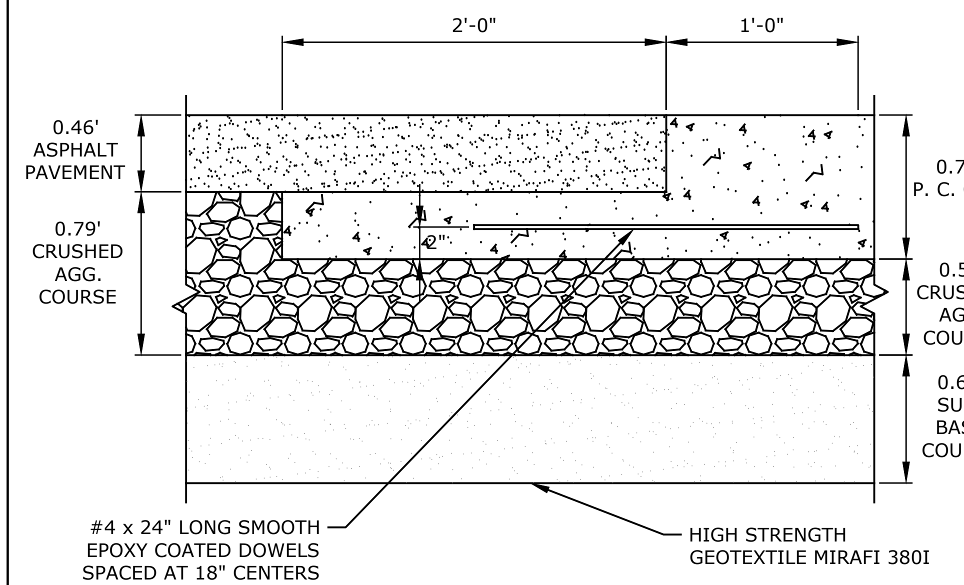
MULLAN BUILD
100% - BID PLANS

MARY JANE BOULEVARD &
MULLAN ROAD EAST LEG
PCCP JOINTING PLAN

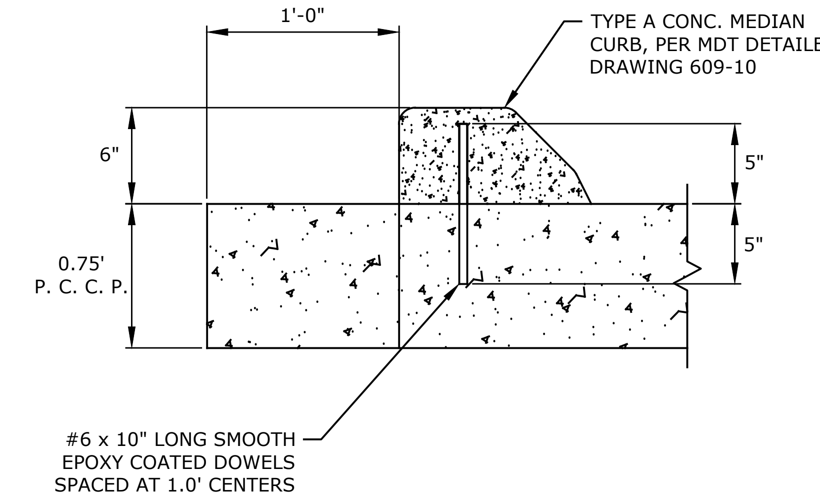
SHEET C.24 OF C.49



P. C. C. P. MOUNTABLE CURB JOINT

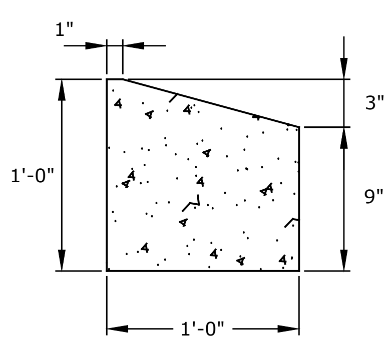


P. C. C. P. TO ASPHALT TRANSITION



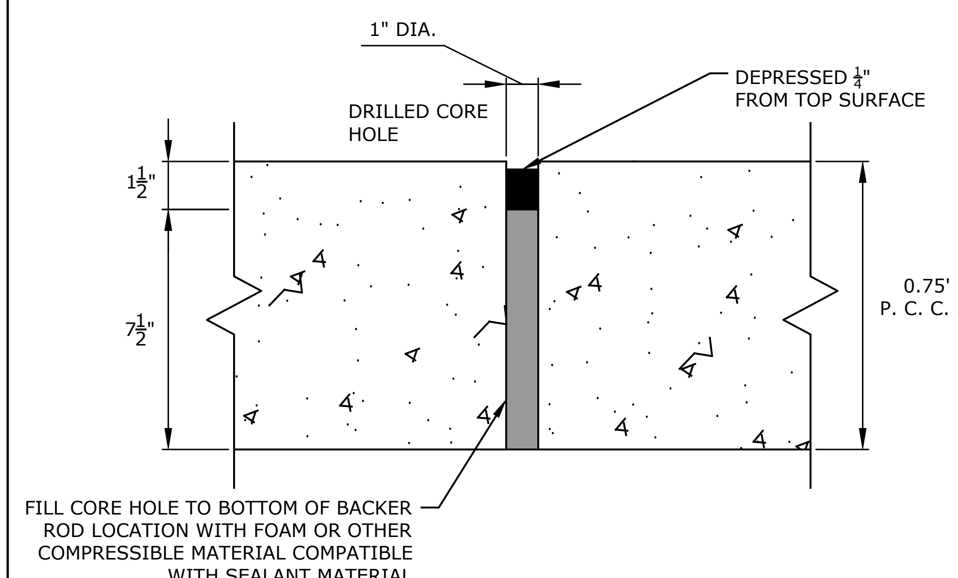
MEDIAN CURB CONNECTION DETAIL

NOTE:
1. DRILL EPOXY REBAR INTO P. C. C. P.
2. WHEN CONNECTING TO ASPHALT, CHANGE 0.75' P. C. C. P. TO 5.5" ASPHALT



PAID AS CONCRETE PAVEMENT 9 IN. COLORED

COLORED MOUNTABLE CONCRETE CURB DETAIL



CORE HOLE DETAIL

NOTE:
APPLY DETAIL AS DIRECTED BY PROJECT MANAGER AT INTERSECTIONS OF LONGITUDINAL AND TRANSVERSE JOINTS TO ELIMINATE SYMPATHY CRACKING.

REVISION	DATE	DESCRIPTION
-	-	-

DESIGNER BB PROJ. NO. 7065
DRAWN BB DATE 04/16/2021
CHECKED PD SURVEYED DJ&A, P.C.

DJ&A ENGINEERS PLANNERS SURVEYORS

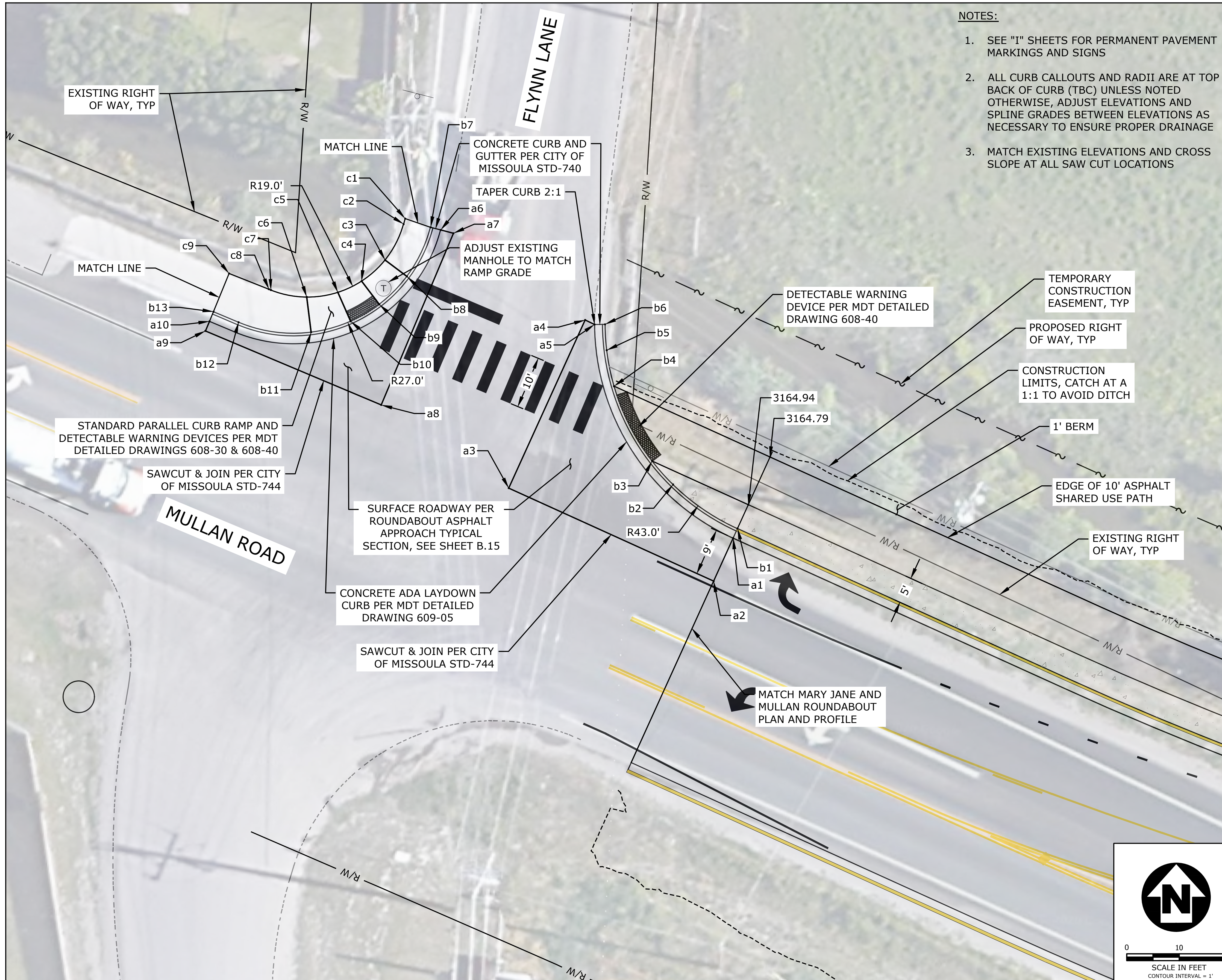
MULLAN BUILD
100% - BID PLANS

ROUNDABOUT
P. C. C. P.
JOINT DETAILS

SHEET C.25 OF C.49

Point Table

Point Name	Northing	Easting	Elevation	Description
a1	994677.71	830822.02	3164.57	SAWCUT
a2	994669.52	830818.30	3164.75	SAWCUT
a3	994687.24	830779.26	3165.13	SAWCUT
a4	994719.30	830793.81	3164.79	SAWCUT
a5	994718.46	830795.62	3164.77	SAWCUT
a6	994736.47	830766.30	3164.05	SAWCUT
a7	994735.85	830768.72	3164.09	SAWCUT
a8	994703.11	830754.94	3164.98	SAWCUT
a9	994717.20	830721.44	3164.59	SAWCUT
a10	994719.05	830722.21	3164.65	SAWCUT
b1	994679.54	830822.85	3165.01	TBC
b2	994687.93	830810.58	3165.09	TBC
b3	994692.41	830806.59	3164.68	ADA LAYDOWN
b4	994706.68	830799.33	3164.76	ADA LAYDOWN
b5	994713.54	830797.93	3165.24	TBC
b6	994718.47	830797.62	3165.21	TBC
b7	994736.98	830764.36	3164.49	TBC
b8	994727.60	830759.86	3164.61	TBC
b9	994722.29	830754.59	3164.20	ADA LAYDOWN
b10	994719.06	830749.12	3164.28	ADA LAYDOWN
b11	994716.98	830741.60	3164.87	TBC
b12	994718.88	830727.76	3165.03	TBC
b13	994720.89	830722.99	3165.09	TBC
c1	994738.65	830759.51	3164.65	BACK OF SIDEWALK
c2	994737.59	830759.21	3164.66	BACK OF SIDEWALK
c3	994730.73	830755.67	3164.69	BACK OF SIDEWALK
c4	994726.72	830751.21	3164.26	BACK OF SIDEWALK
c5	994724.59	830746.69	3164.34	BACK OF SIDEWALK
c6	994723.69	830740.75	3164.82	BACK OF SIDEWALK
c7	994725.02	830733.94	3164.97	BACK OF SIDEWALK
c8	994725.18	830733.53	3164.97	BACK OF SIDEWALK
c9	994728.17	830725.95	3164.94	BACK OF SIDEWALK



NOTES:

1. SEE "I" SHEETS FOR PERMANENT PAVEMENT MARKINGS AND SIGNS
2. ALL CURB CALLOUTS AND RADII ARE AT TOP BACK OF CURB (TBC) UNLESS NOTED OTHERWISE, ADJUST ELEVATIONS AND SPLINE GRADES BETWEEN ELEVATIONS AS NECESSARY TO ENSURE PROPER DRAINAGE
3. MATCH EXISTING ELEVATIONS AND CROSS SLOPE AT ALL SAW CUT LOCATIONS

REVISION	DATE	DESCRIPTION
-	-	-

DESIGNER BB PROJ. NO. 7065
DRAWN BB DATE 04/16/2021
CHECKED PD SURVEYED DJ&A, P.C.

DJ&A ENGINEERS PLANNERS SURVEYORS

MULLAN BUILD
100% - BID PLANS

FLYNN LANE &
MULLAN ROAD
INTERSECTION PLAN

SHEET C.26 OF C.49