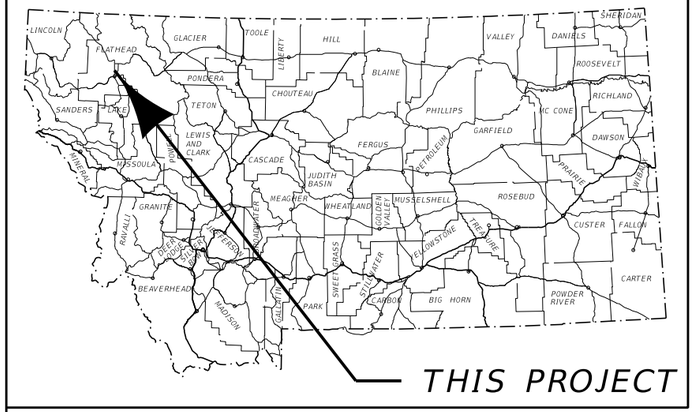
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MONTANA DEPARTMENT OF TRANSPORTATION

FEDERAL AID PROJECT CMDP 6799(48)
ROADWAY & ROADSIDE SAFETY IMPROVEMENT
US 93 NORTH SIGNALS - KALISPEND
FLATHEAD COUNTY

LENGTH NA MILES

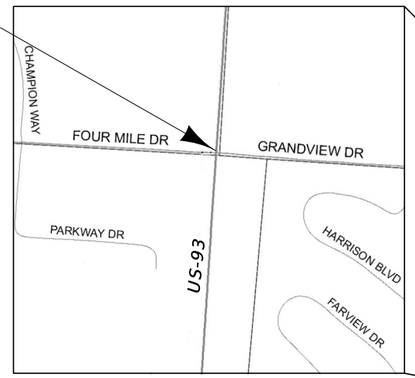
SURFACING SOURCES - CONTRACTOR FURNISHED

US 93 DESIGN DATA		
PRESENT	2017	A.D.T. = 29,670
LETTING	2020	A.D.T. = 32,330
DESIGN	2040	A.D.T. = 57,260
		D.H.V. = 5,730
		TRUCKS = 2.7 %
		V. = 40 MPH
		18 KIP ESAL'S =
		GROWTH RATE = 2.9 %

W. RESERVE DR. DESIGN DATA		
PRESENT	2017	A.D.T. = 19,480
LETTING	2020	A.D.T. = 21,600
DESIGN	2040	A.D.T. = 42,980
		D.H.V. = 3,910
		TRUCKS = 3.2 %
		V. = 35 MPH
		18 KIP ESAL'S =
		GROWTH RATE = 3.5 %

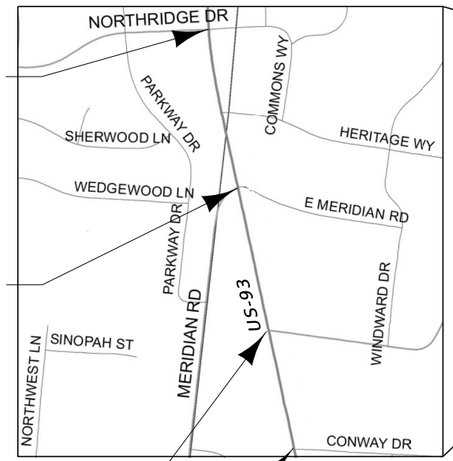
HUTTON RANCH RD. DESIGN DATA		
PRESENT	2017	A.D.T. = 5,210
LETTING	2020	A.D.T. = 5,400
DESIGN	2040	A.D.T. = 6,860
		D.H.V. = 800
		TRUCKS = 0.0 %
		V. = 30 MPH
		18 KIP ESAL'S =
		GROWTH RATE = 1.2 %

US-93 AND FOUR MILE DR.



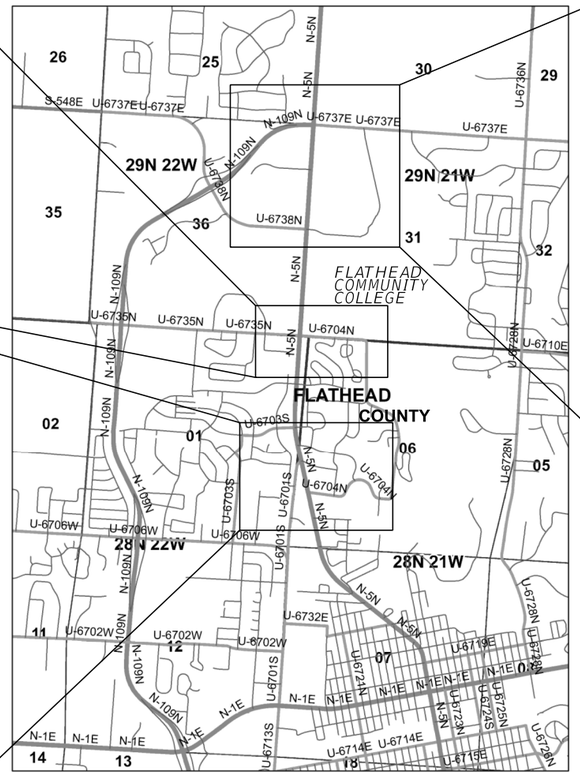
US-93 AND NORTHRIDGE DR.

US-93 AND MERIDIAN DR.

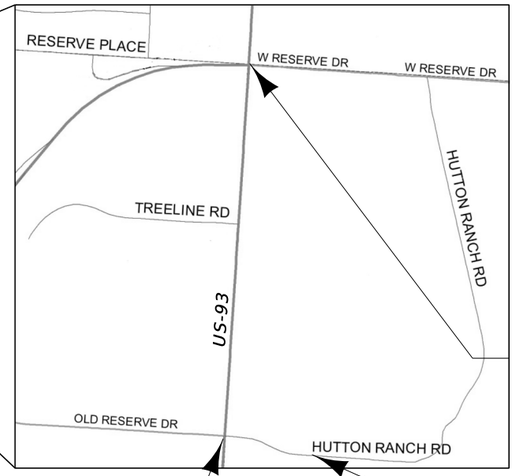


US-93 AND SUNNYVIEW LN.

US-93 AND CONWAY DR.



US-93 AND HUTTON RANCH RD.



US-93 AND WEST RESERVE DR.

HUTTON RANCH RD. AND WALMART APP.

ASSOCIATED PROJECT AGREEMENT NUMBERS	
R / W	CMDP 6799(54)
I.C.	
P. E.	CMDP-G 6799(47)

MONTANA DEPARTMENT OF TRANSPORTATION

MALCOLM "MACK" LONG
DIRECTOR OF TRANSPORTATION

APPROVED BY:

TRAFFIC AND SAFETY ENGINEER

DocuSigned by:
Gabe Priebe
4895FFA73587466...

MONTANA
GABE B. PRIEBE
13957PE
LICENSED PROFESSIONAL ENGINEER

9/20/2021
DATE

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED BY: DIVISION ADMINISTRATOR

DATE

3	MDT MONTANA DEPARTMENT OF TRANSPORTATION	C:\DGN\9365000satt1001.dgn	DESIGNED BY	Daniel Birlut	12/2/2019
2		9/15/2021	REVIEWED BY	Scott Gerken	12/2/2019
		2:56:58 PM CPS - U3825	CHECKED BY	Ben Nunnallee	6/16/2021

ROAD PLANS

UPN 9365000

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NOTES

BASIS OF PLAN QUANTITIES

(QUANTITIES FOR ESTIMATING PURPOSES ONLY)

COMP. AGGREGATE WEIGHT	= 3700 LBS. PER CUBIC YARD
COMP. WEIGHT OF PL. MIX BIT. SURF.	= 3855 LBS. PER CUBIC YARD
ASPHALT CEMENT - GRADE S - 3/4" AGG.	= 5.4% OF PL.MIX BIT.SURF.
ASPHALT CEMENT - GRADE S - 1/2" AGG.	= 5.8% OF PL.MIX BIT.SURF.
HYDRATED LIME	= 1.4% OF PL.MIX BIT.SURF.
BITUMINOUS MATERIAL	= 8.5 LBS. PER GAL.
EMULSIFIED ASPHALT - TACK (ALL OTHER SURFACES)	= 0.05 GAL. PER SQ.YARD (UNDILUTED)
EMULSIFIED ASPHALT - TACK (CONCRETE SURFACES)	= 0.10 GAL. PER SQ.YARD (UNDILUTED)
SEAL	= 0.42 GAL. PER SQ.YARD
COVER	= 25 LBS. PER SQ.YARD

CURB RADIUS

ALL CURB RADII CALL OUTS ARE TO THE TOP BACK OF CURB

UTILITIES

CALL THE UTILITIES UNDERGROUND LOCATION CENTER (811) OR OTHER NOTIFICATION SYSTEM FOR THE MARKING AND LOCATION OF ALL LINES AND SERVICES BEFORE EXCAVATING. ALL CLEARANCES OR DEPTHS PROVIDED FOR UTILITIES ARE FROM EXISTING GROUND LINE.

PUBLIC LAND SURVEY MONUMENTS

ALL MONUMENTS TO BE REMOVED AND RELOCATED OR RESET BY STATE FORCES.

MISC. TO BE MOVED OR REMOVED BY OTHERS

ALL PRIVATELY OWNED SIGNS TO BE REMOVED BY OWNER.

WETLANDS

WETLANDS MAY EXIST ADJACENT TO THE ROADWAY AND BEYOND THE PROJECT LIMITS. A WETLAND DELINEATION HAS NOT BEEN COMPLETED FOR THIS PROJECT. IMPACTS TO WETLAND AREAS ARE NOT ANTICIPATED IN ASSOCIATION WITH THE PROPOSED WORK. NO PERMITS HAVE BEEN OBTAINED. ANY ACTION IMPACTING WETLAND AREAS WITHOUT THE APPROPRIATE PERMITTING IS THE RESPONSIBILITY OF THE CONTRACTOR.

REVEGETATION

SALVAGE AND/OR FURNISH SUFFICIENT QUANTITIES OF TOPSOIL MEETING STD SPEC 713.05 TO PLACE 3 INCHES OVER ALL DISTURBED AREAS.
IMMEDIATELY FOLLOWING ALL GRADING ACTIVITIES, BROADCAST SEED WITH THE FOLLOWING SEED MIX AND EQUIVALENT RATES. FOLLOWING BROADCAST SEEDING, SCARIFY THE AREAS TO INCORPORATE THE SEED INTO THE UPPER ½INCH OF SOIL.

CRITANA THICKSPIKE WHEATGRASS 20.0 LBS PLS PER ACRE

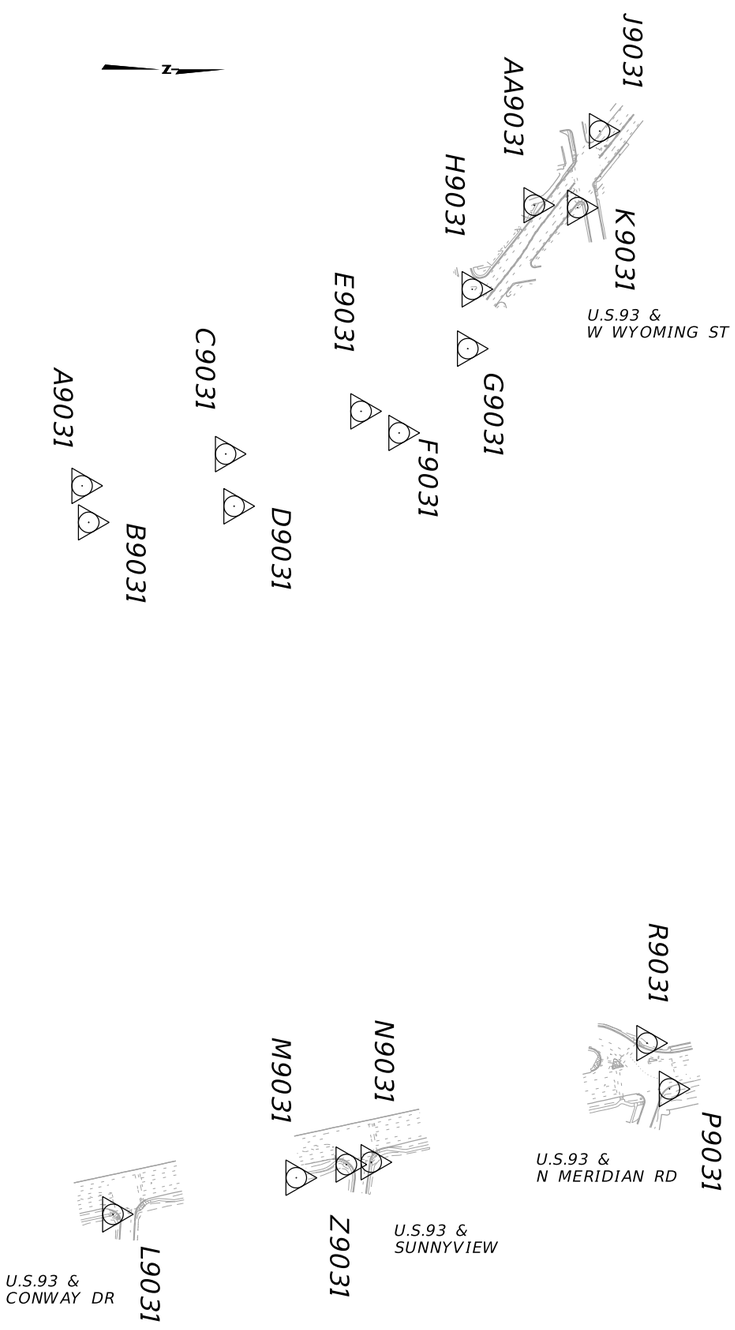
INCLUDE COSTS IN THE LANDSCAPING ITEM.

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CONTROL DIAGRAM

U.S. 93 & FOUR MILE DR
U.S. 93 & NORTHRIDGE DR - COMMONS WAY
U.S. 93 & N MERIDIAN RD
U.S. 93 & SUNNYVIEW
U.S. 93 & CONWAY DR
U.S. 93 & W WYOMING ST



3	MDT MONTANA DEPARTMENT OF TRANSPORTATION	C:\DGN\9365000satrv001.dgn	DESIGNED BY	Daniel Birlut	12/2/2019	ROAD PLANS	US 93 NORTH SIGNALS - KALISPELL / CMDP 6799(48)
2		9/15/2021	REVIEWED BY	Scott Gerken	12/2/2019		
		2:57:21 PM CPS – U3829	CHECKED BY	Ben Nunnallee	6/16/2021	FLATHEAD COUNTY	UPN 9365000 / 03

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CONTROL DIAGRAM

CONTROL ABSTRACT

POINT NAME/NUMBER	N OR Y COORDINATE	E OR X COORDINATE	POINT ELEVATION	LOCATION AND DESCRIPTION
A9031	1,477,237.684	795,306.030	2961.47	SET MAGNAIL & WASHER MARKED A9031 SET IN WESTERLY ISLAND OF WEST WASHINGTON ST. 3' WEST TBC, 8' EAST RIGHT TURN ONLY SIGN.
AA9031	1,478,431.781	794,564.984	2981.40	SET MAGNAIL & WASHER MARKED A9031 SET IN WESTERLY ISLAND OF WEST WASHINGTON ST. 3' WEST TBC, 8' EAST RIGHT TURN ONLY SIGN.
B9031	1,477,255.125	795,402.533	2961.59	SET MAGNAIL & WASHER MARKED B9031 SET IN EASTERLY ISLAND OF EAST WASHINGTON ST. 3' EAST TBC 8' WEST OF RIGHT TURN ONLY SIGN.
C9031	1,477,616.844	795,221.995	2964.68	SET MAGNAIL & WASHER MARKED C9031 SET IN THE CENTER OF THE SIDE WALK AT THE NORTHWEST CORNER OF INTERSECTION WEST OREGON & HWY 93, 15' WEST OF FIREHYDRANT.
D9031	1,477,638.894	795,359.813	2964.75	SET MAGNAIL & WASHER MARKED D9031 SET IN THE CENTER OF THE SIDE WALK AT THE NORTHEAST CORNER INTERSECTION EAST OREGON & HWY 93, 25' EAST OF STOP SIGN FOR EAST OREGON STREET.
E9031	1,477,974.213	795,109.295	2970.01	SET 30" REBAR WITH A 2"AC MARKED E9031 AT THE NORTHWEST CORNER OF THE INTERSECTION OF WEST CALIFORNIA STREET & HWY 93. 10' NORTH TBC CALIFORNIA STREET, 10' WEST A DROP INLET, 20' SOUTHWEST OF A LUMINARE.
F9031	1,478,074.846	795,166.302	2972.15	SET 30" REBAR WITH A 2" AC MARKED F9031, AT THE NORTHWEST CORNER OF NORTH MAIN STREET & HWY 93, 3' NORTH TOP BACK OF CURB, 3' EAST SIDEWALK, 8' EAST OF A LUMINARE.
G9031	1,478,256.158	794,943.891	2976.69	SET 30" REBAR WITH A 2" AC MARKED G9031, AT THE SOUTHEAST CORNER INTERSECTION OF WEST NEVADA STREET & HWY93, 12' EAST OF TOP BACK URB HWY93, 4' SOUTH OF A GUY ANCHOR.
H9031	1,478,267.979	794,786.959	2976.74	SET MAGNAIL & WASHER MARKED H9031, IN ISLAND FOR WEST NEVADA STREET AND ON THE WEST SIDE HWY 93, 4' EASTERLY OF A RIGHT TURN ONLY SIGN.
J9031	1,478,604.370	794,369.465	2982.07	SET 30" REBAR WITH 2" AC MARKED J9031, AT THE NORTHWEST CORNER INTERSECTION WYOMING STREET, 40' NORTH OF SIGNAL POLE, 3' SOUTHEAST OF A LUMINARE, 4' WEST OF EDGE OF PAVEMENT FOR HWY 93.
K9031	1,478,546.535	794,571.591	2981.48	SET 30" REBAR WITH 2" AC MARKED K9031, AS SOUTHEAST CORNER INTERSECTION WYOMING STREET AND HWY93, 6' EAST OF TOP BACK CURB, 12' SOUTH OF A SIGNAL POLE.
L9031	1,481,180.922	792,598.333	3058.74	SET 30" REBAR WITH 2" AC MARKED L9031, AT SOUTHEAST CORNER INTERSECTION CONWAY DRIVE & HWY93, 18' SOUTH OF THE CENTERLINE OF CONWAY DRIVE, 20' EAST OF HWY93.
M9031	1,481,665.010	792,501.745	3071.66	SET 30" REBAR WITH 2" AC MARKED M9031, 5' EAST OF THE SIDEWALK ON THE EAST SIDE OF HWY 93, NORTH OF THE APPROACH TO 7THDAY ADVENTIST CHURCH, 12' SOUTHWEAST OF POWER POLE #060263, 3'EAST OF A CINDER BLOCK RETAINING WALL.
N9031	1,481,862.959	792,460.741	3071.24	SET MAGNAIL & WASHER MARKED N9031, AT NORTHEAST CORNER INTERSECTION SUNNYVIEW LANE & HWY93 IN THE CENTER OF THE SIDEWALK, 4' SOUTHWEST OF A CONCRETE RETAINING WALL.
P9031	1,482,650.528	792,267.159	3082.04	SET 30" REBAR WITH 2" AC MARKED P9031, AT NORTHEAST CORNER INTERSECTION EAST MERIDIAN ROAD & HWY93, 1.5 ' EAST OF TOP BACK CURB, 13' NORTHWEST OF A SIGNAL POLE, 22' SOUTH OF ANOTHER SIGNAL POLE.
R9031	1,482,591.010	792,146.266	3081.74	SET 30" REBAR WITH 2" AC MARKED R9031, AT NORTHWEST CORNER OF INTERSECTION NORTH MERIDIAN ROAD & HWY93, 6' WEST OF THE SIDEWALK, 13' SOUTH OF A SIGNAL POLE AND 28' NORTH OF ANORTHER SIGNAL POLE.
S9031	1,483,415.413	792,121.857	3081.87	SET 30" REBAR WITH 2" AC MARKED S9031, AT SOUTHEAST CORNER OF COMMONS WAY & HWY93, 1.5' EAST TOP BACK CURB, 30' OF SOUTH A SIGNAL POLE.
T9031	1,483,557.067	792,011.181	3084.00	30" REBAR WITH 2" AC MARKED T9031, AT NORTHWEST CORNER COMMONS WAY & HWY93, 6' WEST OF HWY93 EDGE OF PAVEMENT, 5' EAST BIKE PATH, 25' NORTHEAST OF A POWER POLE WITH UNDERGROUND POWER DROP.
U9031	1,484,070.436	792,001.650	3076.54	SET 30" REBAR WITH 2" AC MARKED U9031, 2' WEST OF EDGE PAVEMENT TO BIKE PATH, 5' SOUTHEAST OF POWER POLE # 019661, 28' SOUTH OF THE NORTHERLY APPROACH FOR CORNERSTONE CHURCH AND ON THE WEST SIDE OF HWY 93.
V9031	1,484,645.971	792,071.194	3064.12	SET 30" REBAR WITH 2" AS MARKED V9031, 5' WEST TOP BACK CURB OF HWY93, 2' EAST OF EDGE OF PAVMENT OF THE BIKE PATH, 49' NORTH OF SUMMIT RIDGE DRIVE AND ON THE WEST SIDE OF HWY 93.
W9031	1,485,804.770	792,262.415	3032.04	SET 30" REBAR WITH 2" AC MARKED W9031, AT NORTHEAST CORNER OF INTERSECTION GRAND VIEW DRIVE & HWY93, 15' NORTH OF THE END OF CURB INTO GRAND VIEW DRIVE, 18' EAST OF SIGNAL POLE, IN BIKE PATH ASPHUALT, 6' EAST BIKE ROUTE SIGN.
X9031	1,485,806.414	792,110.033	3032.48	SET 30" REBAR WITH 2" AC MARKED X9031, AT NORTHWEST CORNER INTERSECTION 4MILE DRIVE & HWY93, 15' NORTH OF TOP BACK CURB INTO 4MILE DRIVE, 13' WEST OF A SIGNAL POLE.
Y9031	1,485,706.663	792,110.322	3034.25	SET 30" REBAR WITH 2" AC MARKED Y9031, IN THE SOUTHWEST CORNER OF INTERSECTION OF 4MILE DR. AND HWY.93, SET IN THE WESTERLY END OF CONCRETE PAD FOR THE SIGNAL CONTROL STATION.
Z9031	1,481,797.152	792,466.906	3072.61	SET 6" X 5/8" REBAR WITH 2" AC MARKED Z9031, IN THE TOP OF A CONCRETE WALL IN THE SOUTHEAST QUADRANT OF SUNNY VIEW LANE AND IDAHO.

LEVEL DATA

U.S. 93 & FOUR MILE DR
U.S. 93 & NORTHRIDGE DR - COMMONS WAY
U.S. 93 & N MERIDIAN RD
U.S. 93 & SUNNYVIEW
U.S. 93 & CONWAY DR
U.S. 93 & W WYOMING ST

BEARING SOURCE

GRID -- MONTANA COORDINATE SYSTEM NAD 83- 2007

LEVEL DATUM SOURCE

ELEVATIONS BASED ON DISTRICT DIGITAL LEVEL RUN FROM NGS POINT GN2945 THROUGH PROJECT CONTROL

CSF = 0.99947141

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CONTROL DIAGRAM

CONTROL ABSTRACT

POINT NAME/NUMBER	N OR Y COORDINATE	E OR X COORDINATE	POINT ELEVATION	LOCATION AND DESCRIPTION
A9035	1,489,520.468	792,494.482	3026.99	SET STANDARD 2" MDT CONTROL CAP ON 5/8" REBAR STAMPED "A9035 2016", RIGHT OF US HWY 93 MILEPOST 115.576, 0.5 FT WEST OF WEST BIKE PATH EOP, 65 FT NORTH OF LUMINAIRE, 35 FT NORTH OF TOP OF "ONLY" PAVEMENT MARKS, 20 EAST OF TBC.
F9035	1,490,672.098	792,557.606	3023.45	SET STANDARD 2" MDT CONTROL CAP ON 5/8" REBAR STAMPED "F9035 2016", RIGHT OF US HWY 93 MILEPOST 115.778, 1.0 FT WEST OF EAST BIKE PATH EOP, 10.2 FT EAST OF DROP INLET, 9.2 FT EAST OF TBC, 50 FT SOUTH OF END BIKEPATH/ BEGIN APPROACH TO ZIP TRIP.
A9365	1,490,941.751	792,436.459	3018.56	SET MAG NAIL WITH WASHER IN SW QUAD US 93 & W.RESERVE ST. IN PAVEMENT OF BIKE PATH, 0.50 FT. SOUTH FROM EDGE OF CONCRETE AT END OF BIKE PATH, 0.60 FT. EAST OF WEST EDGE OF PAVEMENT.
B9365	1,491,090.770	792,660.141	3014.14	SET MAG NAIL WITH WASHER IN NE QUAD US 93 & W.RESERVE ST. IN CONC. JOINT BETWEEN CURB AND FOG LINE, SOUTH 2.0 FT. FROM TOP BACK OF CURB, S52E 50.0 FT. FROM PP#300060.
C9365	1,491,071.968	793,051.009	3007.78	SET MAG NAIL WITH WASHER ON NORTH SIDE W.RESERVE ST. IN PAVEMENT AT ENTRANCE BETWEEN TOWN PUMP & EISINGER MOTORS, 1.0 FT. NORTH OF NORTHERLY POINT ON CONCRETE TRIANGLE ISLAND.
D9365	1,490,990.994	793,839.024	2990.01	SET MAG NAIL WITH WASHER ON NORTH SIDE W.RESERVE ST. IN CONC. JOINT OF SIDEWALK AT CL EXTENSION OF HUTTON RANCH RD. 2.35 FT. NORTH FROM TOP BACK OF CURB, 2.6 FT. SOUTH OF BACK OF WALK.
E9365	1,490,927.919	793,746.567	2992.44	SET MAG NAIL WITH WASHER IN SW QUAD W.RESERVE ST. & HUTTON RANCH RD. IN CONC. JOINT OF SIDEWALK 4.0 FT. SOUTH OF TOP BACK OF CURB, 4.0 FT. NORTH OF BACK OF WALK, 33.0 FT. NW OF LIGHT POLE.
F9365	1,488,341.458	793,093.955	3007.98	SET MAG NAIL WITH WASHER IN NE QUAD HUTTON RANCH RD. & CROSS ST. TO WALMART/PANDA EXPRESS, IN PAVEMENT OF DICKEY'S BBQ PARKING AREA, 2.0 FT. NE OF TOP BACK OF CURB, 22.2 FT. NE OF RED FIRE HYDRANT.
G9365	1,488,225.470	792,995.108	3008.52	SET MAG NAIL WITH WASHER IN SW QUAD HUTTON RANCH RD. & CROSS ST. TO WALMART/PANDA EXPRESS, IN CONC JOINT OF SIDEWALK, 30.0 FT. SOUTH OF SIGNAL POST, 1.0 EAST OF WEST BACK OF WALK, 3.0' EAST OF YELLOW NATURAL GAS PIPELINE MARKER IN GRASS.
H9365	1,488,358.176	792,648.214	3011.02	SET MAG NAIL WITH WASHER ON SOUTH SIDE OF HUTTON RANCH RD. IN CONC JOINT OF SIDEWALK, 60.0 FT. EAST OF CL ENTRANCE TO FIRST INTERSTATE BANK/HU HOT GRILL, 1.0 FT. SOUTH OF TOP BACK BACK OF CURB, 9.5 FT. NORTH OF POWER TRANS. #310483/P6311656.
J9365	1,488,355.391	792,417.980	3015.32	SET MAG NAIL WITH WASHER IN SE QUAD US 93 & HUTTON RANCH RD. IN PAVEMENT OF BIKE PATH, 12.0 FT. SOUTH FROM EDGE OF CONCRETE AT END OF BIKE PATH, 1.0 FT. EAST OF WEST EDGE OF PAVEMENT.
K9365	1,488,530.392	792,303.168	3018.38	SET MAG NAIL WITH WASHER IN NW QUAD US 93 & OLD RESERVE DRIVE, IN PAVEMENT OF BIKE PATH, 5.3 FT. NORTH FROM EDGE OF CONCRETE AT END OF BIKE PATH, 0.50 FT. WEST OF EAST EDGE OF PAVEMENT.

LEVEL DATA

U.S.93 & W RESERVE DR.
W RESERVE DR AND HUTTON RANCH RD
U.S.93 & HUTTON RANCH RD
HUTTON RANCH RD & THE WALMART APPROACH

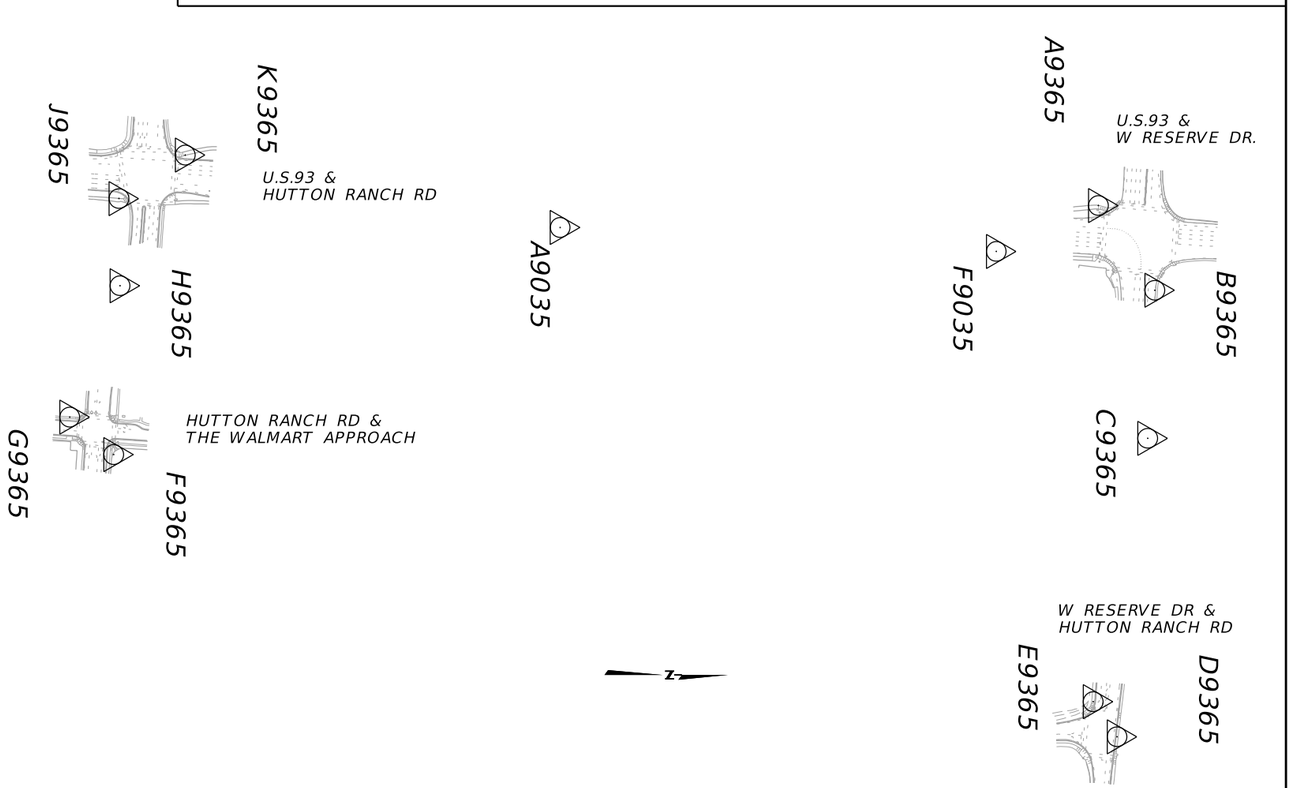
BEARING SOURCE

GRID -- MONTANA COORDINATE SYSTEM NAD 83- 2011

LEVEL DATUM SOURCE

NAVD 88 (GNSS DERIVED ELEVATIONS USING GEOID 12 A AND HOLDING BMS A9035 AND F9035)
OR (ELEVATIONS DERIVED FROM DIFFERENTIAL LEVELS HOLDING BMS A9035 AND F9035)

CSF = 0.99948073



2	MDT MONTANA DEPARTMENT OF TRANSPORTATION	C:\DGN\9365000satrv001.dgn	DESIGNED BY	Daniel Birlut	12/2/2019	ROAD PLANS	US 93 NORTH SIGNALS - KALISPELL / UPN 9365000 / CMDP 6799(48)
1		9/15/2021	REVIEWED BY	Scott Gerken	12/2/2019	FLATHEAD COUNTY	05
		2:57:29 PM CPS - U3829	CHECKED BY	Ben Nunnallee	6/16/2021		

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SUMMARY

SIDEWALK

STATION		sq. yards						linear feet	REMARKS
		CONCRETE SIDEWALK		DETECTABLE WARNING DEVICES		REMOVE SIDEWALK #			
		4"		TYPE 1					
FROM	TO	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	WIDTH	
US 93									
58+68.74	58+81.35		7.8				7.8	VARIES	CONWAY DR. - NE CORNER
58+81.21	58+88.18						2.7	VARIES	CONWAY DR. - NE CORNER
65+05.29	65+21.34		10.9				10.9	VARIES	SUNNYVIEW LN. - NE CORNER
71+68.32	71+96.20	47.8		2.7		47.8		VARIES	N MERIDIAN RD - W ISLAND
72+12.93	72+12.93		11.6				11.6	VARIES	N MERIDIAN RD - SE CORNER
72+69.67	72+83.93		8.9		1.1			VARIES	N MERIDIAN RD - NE CORNER
80+99.53	81+38.84	54.6		2.2		19.2		VARIES	COMMONS WAY - SW CORNER
81+07.22	81+29.86		30.0		2.2		30.0	VARIES	COMMONS WAY - SE CORNER
81+88.53	82+22.22	44.3		2.0		19.2		VARIES	COMMONS WAY - NW CORNER
81+83.86	82+14.87		44.8		2.2		44.8	VARIES	COMMONS WAY - NE CORNER
103+84.07	104+25.01	54.4		2.2		54.4		VARIES	FOUR MILE DR. - SW CORNER
103+91.65	104+35.39		55.3		2.2			VARIES	GRANDVIEW DR. - SE CORNER
105+00.09	105+09.35	6.3						VARIES	FOUR MILE DR. - NW CORNER
104+80.70	105+08.05		2.7				2.7	VARIES	GRANDVIEW DR. - NE CORNER
130+26.18	130+66.77	72.1		2.2		60.6		VARIES	OLD RESERVE DR. - SW CORNER
130+25.69	130+81.02		92.5		2.2		58.6	VARIES	HUTTON RANCH RD. - SE CORNER
131+67.49	132+10.35	67.2		2.2		62.2		VARIES	OLD RESERVE DR. - NW CORNER
131+60.81	182+76.93		97.8		2.2		97.8	VARIES	HUTTON RANCH RD. - NE CORNER
156+76.54	156+93.41		16.4		1.1		16.4	VARIES	W RESERVE DR. - SE CORNER
157+99.62	158+14.39		13.6		1.3		13.6	VARIES	W RESERVE DR. - NE CORNER
HUTTON RANCH RD.									
507+28.33	507+40.07		7.3				7.3	VARIES	WALMART APP. - SW CORNER
507+94.82	508+13.29		15.8				15.8	VARIES	WALMART APP. - SE CORNER
507+25.41	507+44.86	14.3				14.3		VARIES	WALMART APP. - NW CORNER
507+97.57	508+08.17	12.1				12.1		VARIES	WALMART APP. - NE CORNER
543+25.20	543+36.64	6.6				6.6		VARIES	W RESERVE DR. - SW CORNER
543+19.40	543+42.33		24.4				24.4	VARIES	W RESERVE DR. - SE CORNER
SUBTOTAL		379.7	439.8	13.5	14.5	296.4	344.4	~	
TOTAL		819.5		28.0		~		~	

FOR INFORMATION ONLY - INCLUDE IN THE COST OF CONCRETE SIDEWALK

SURFACING

STATION		AGGREGATE		sq. yards	REMARKS
		tons	cubic yards		
FROM	TO	COMMERCIAL MIX PG 64-28	CRUSHED AGG. COURSE	# BITUMINOUS PAVEMENT - REMOVAL	
US 93					
65+05.29	65+19.69	1.1	0.2		SUNNYVIEW LN. - NE CORNER
71+68.32	71+96.20	1.1	0.2		N MERIDIAN RD - W ISLAND
71+62.74	71+68.68	1.7	0.3	5	N MERIDIAN RD - W ISLAND
72+69.67	72+78.77	1.2	0.2		N MERIDIAN RD - NE CORNER
81+10.91	81+38.84	2.9	0.5		COMMONS WAY - SW CORNER
81+73.79	82+14.29	11.5	2.0	36	COMMONS WAY - NE CORNER
81+07.22	81+29.86	2.1	0.4		COMMONS WAY - SE CORNER
81+85.81	82+21.05	4.3	0.7		COMMONS WAY - NW CORNER
81+83.86	82+14.87	3.2	0.5		COMMONS WAY - NE CORNER
103+83.23	104+23.68	3.5	0.6		FOUR MILE DR. - SW CORNER
103+83.54	104+28.57	3.8	0.7	¡2	FOUR MILE DR. - SW CORNER
103+84.87	104+38.57	5.2	0.9		GRANDVIEW DR. - SE CORNER
103+92.39	104+41.97	5.1	0.9	¡6	GRANDVIEW DR. - SE CORNER
130+35.43	130+66.77	3.0	0.5		OLD RESERVE DR. - SW CORNER
130+35.14	130+81.02	4.5	0.8		HUTTON RANCH RD. - SE CORNER
131+67.33	132+00.44	3.3	0.6		OLD RESERVE DR. - NW CORNER
131+60.81	182+76.93	3.8	0.7		HUTTON RANCH RD. - NE CORNER
156+82.38	156+93.41	1.5	0.3		W RESERVE DR. - SE CORNER
157+99.27	158+06.97	1.3	0.2		W RESERVE DR. - NE CORNER
HUTTON RANCH RD.					
507+34.78	507+40.07	0.5	0.1		WALMART APP. - SW CORNER
SUBTOTAL		64.5	11.2	69	
TOTAL		64.5	11.2	~	

FOR INFORMATION ONLY - INCLUDE IN COST OF COMMERCIAL MIX

CURB

STATION		linear feet								REMARKS
		CONCRETE CURB AND GUTTER		# REMOVE CURB AND GUTTER		MEDIAN CURB CONCRETE TYPE A		# REMOVE MEDIAN CURB		
FROM	TO	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	
US 93										
65+05.29	65+19.69		15.9		15.9					SUNNYVIEW LN. - NE CORNER
71+68.32	71+96.20					15.7		15.7		N MERIDIAN RD - W ISLAND
72+69.67	72+78.77		17.0							N MERIDIAN RD - NE CORNER
81+10.91	81+38.84	40.0								COMMONS WAY - SW CORNER
81+07.22	81+29.86		29.8		29.8					COMMONS WAY - SE CORNER
81+85.81	82+21.05	59.7								COMMONS WAY - NW CORNER
81+83.86	82+14.87		44.3		44.3					COMMONS WAY - NE CORNER
103+83.23	104+23.68	48.7		32.2						FOUR MILE DR. - SW CORNER
103+84.87	104+38.57		72.3		72.3					GRANDVIEW DR. - SE CORNER
130+35.43	130+66.77	42.1		42.1						OLD RESERVE DR. - SW CORNER
130+35.14	130+81.02		62.6		62.6					HUTTON RANCH RD. - SE CORNER
131+67.33	132+00.44	46.1		46.1						OLD RESERVE DR. - NW CORNER
131+60.81	182+76.93		53.5		53.5					HUTTON RANCH RD. - NE CORNER
156+82.38	156+93.41		20.4		20.4					W RESERVE DR. - SE CORNER
157+99.27	158+06.97		18.6		18.6					W RESERVE DR. - NE CORNER
HUTTON RANCH RD.										
507+34.78	507+40.07		7.5		7.5					WALMART APP. - SW CORNER
SUBTOTAL		236.6	341.9	120.4	324.9	15.7	0.0	15.7	0.0	
TOTAL		578.5		~		15.7		~		

FOR INFORMATION ONLY - INCLUDE IN THE COST OF CURB AND GUTTER OR MEDIAN CURB

LANDSCAPING

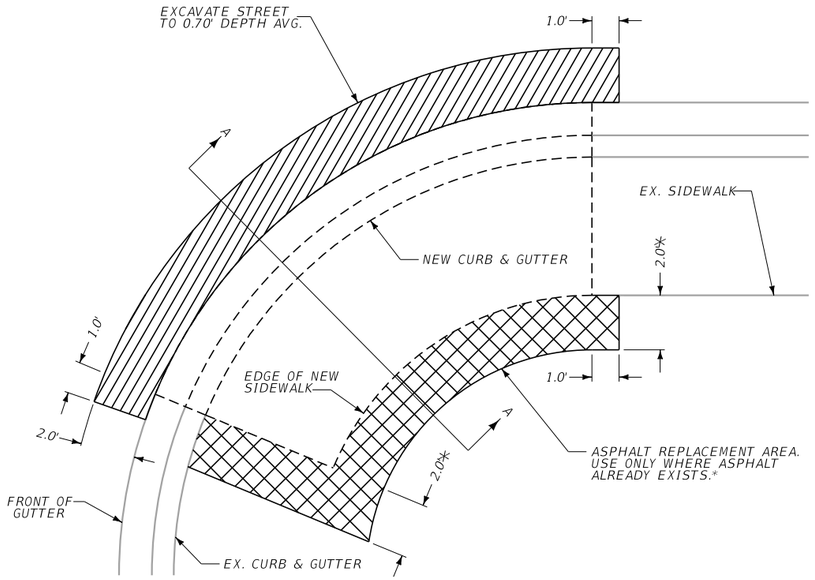
STATION		lump sum	REMARKS
		LAND-SCAPING	
FROM	TO		
TOTAL		1	

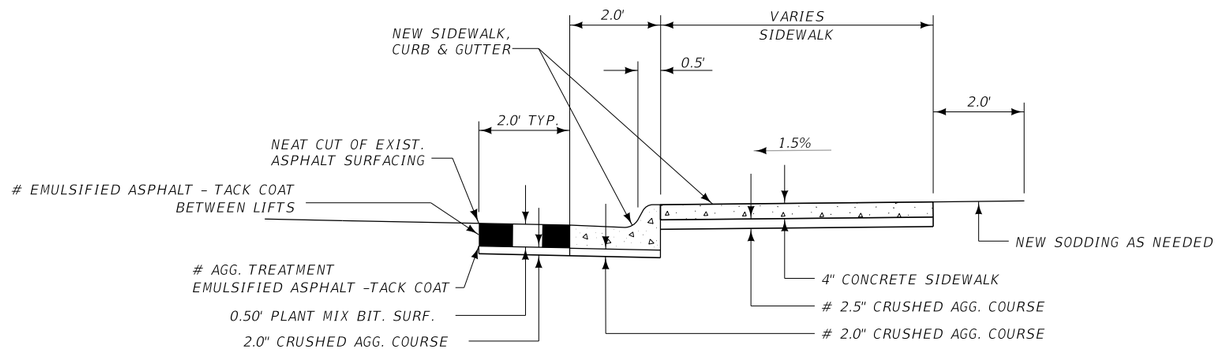
PAVEMENT MARKINGS

ITEM	UNIT		FINAL APPLICA-TION	TOTAL
CURB MARKING - YELLOW EPOXY	gallon		8	8
WORDS & SYMBOLS - WHITE EPOXY	gallon		22	22
REMOVE PAVEMENT MARKING	linear foot		5,462	5,462

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NEW CURB & GUTTER, SIDEWALK, AND SURFACING REPAIR DETAIL





SECTION A-A

MAXIMUM CONSTRUCTION LIMITS FOR REMOVAL OF EXISTING CURB AND GUTTER AND PLACEMENT OF FORMS FOR NEW CURB AND GUTTER.

MAXIMUM CONSTRUCTION LIMITS FOR REMOVAL OF EXISTING ASPHALT AND PLACEMENT OF FORMS FOR NEW SIDEWALK.*

* NOTE: WHEN ADJACENT TO LANDSCAPING REPLACE WITH EQUIVALENT AS INSTRUCTED BY PROJECT MANAGER.

NOTE: THESE ITEMS ARE NOT MEASURED FOR PAYMENT. INCLUDE IN COST OF NEW SIDEWALK OR CURB & GUTTER

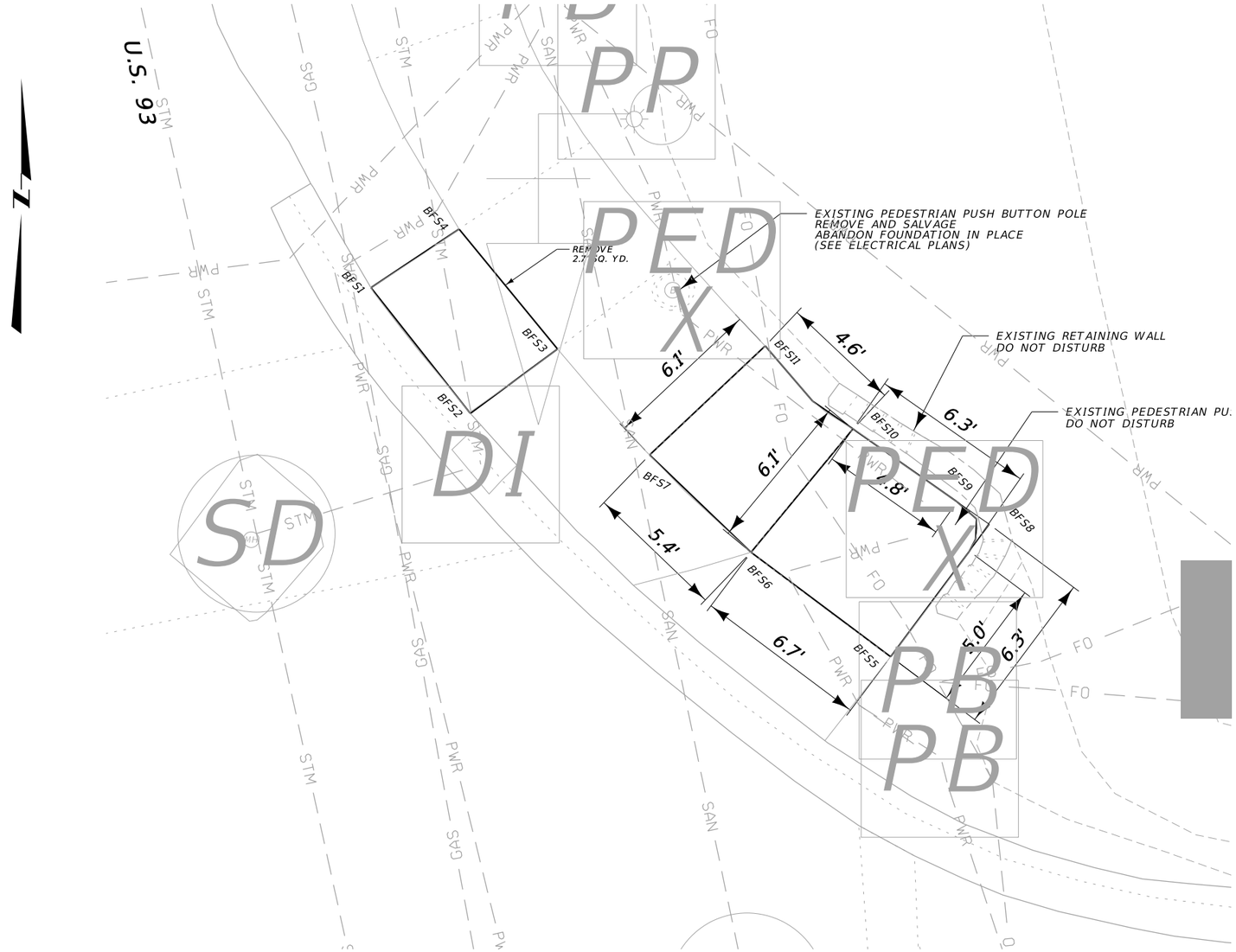
CURB & GUTTER, SIDEWALK, SURFACING REPAIR

3 / 1	MDT MONTANA DEPARTMENT OF TRANSPORTATION	C:\DGN\9365000sasum001.dgn	DESIGNED BY	Daniel Birlut	12/2/2019	ROAD PLANS	US 93 NORTH SIGNALS - KALISPELL	CMDP 6799(48)
		9/15/2021	REVIEWED BY	Scott Gerken	12/2/2019			
		2:57:52 PM CPS - U3829	CHECKED BY	Ben Nunnallee	6/16/2021	FLATHEAD COUNTY	UPN 9365000	07

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DETAIL



POINT	N OR Y	E OR X	ELEVATION
BFS1	1,481,264.373	792,562.982	3,058.96
BFS2	1,481,259.572	792,566.774	3,058.81
BFS3	1,481,262.030	792,570.100	3,058.84
BFS4	1,481,266.613	792,566.343	3,058.98
BFS5	1,481,250.287	792,582.812	3,059.09
BFS6	1,481,254.274	792,577.487	3,059.01
BFS7	1,481,257.986	792,573.615	3,058.93
BFS8	1,481,254.374	792,585.852	3,059.12
BFS9	1,481,256.202	792,585.345	3,059.12
BFS10	1,481,258.983	792,581.377	3,059.06
BFS11	1,481,262.148	792,578.027	3,058.98

LEGEND	
FC	= FRONT OF CURB ELEV.
FL	= FLOW LINE ELEV.
TBC	= TOP BACK OF CURB ELEV.
FS	= FINISHED SURFACE ELEV.
TRW	= TOP OF RETAINING WALL ELEV.
DI	= DROP INLET
SD	= SLOTTED DRAIN

DETECTABLE WARNING DEVICES

NOTES:

PROVIDE DETECTABLE WARNING DEVICES ON THE BOTTOM 2.0 FEET OF EACH RAMP AS SHOWN. SEE DTL. DWG. NO. 608-40 FOR DETECTABLE WARNING DEVICES DETAILS.

ALL DIMENSIONS AND ELEVATIONS ARE FEET UNLESS OTHERWISE NOTED.

ALL CURB AND GUTTER DIMENSIONS ARE ALONG TBC.

CONTRACTOR VERIFY ELEVATIONS IN THE FIELD PRIOR TO CONSTRUCTION.

MATCH EXISTING ELEVATIONS AT ALL JOINTS BETWEEN NEW AND EXISTING CONCRETE.

ELEVATIONS SHOWN AT MATCH LINE LOCATIONS ARE APPROXIMATE.

SEE DETAILED DRAWINGS FOR STANDARD SIDEWALK, CURB & GUTTER AND RETAINING WALL DETAILS.

AN ELECTRONIC CSV FILE WITH THE P.C.C.P. JOINT COORDINATE DATA WILL BE PROVIDED UPON REQUEST

NE CORNER CONWAY DR. & U.S. 93

NO SCALE

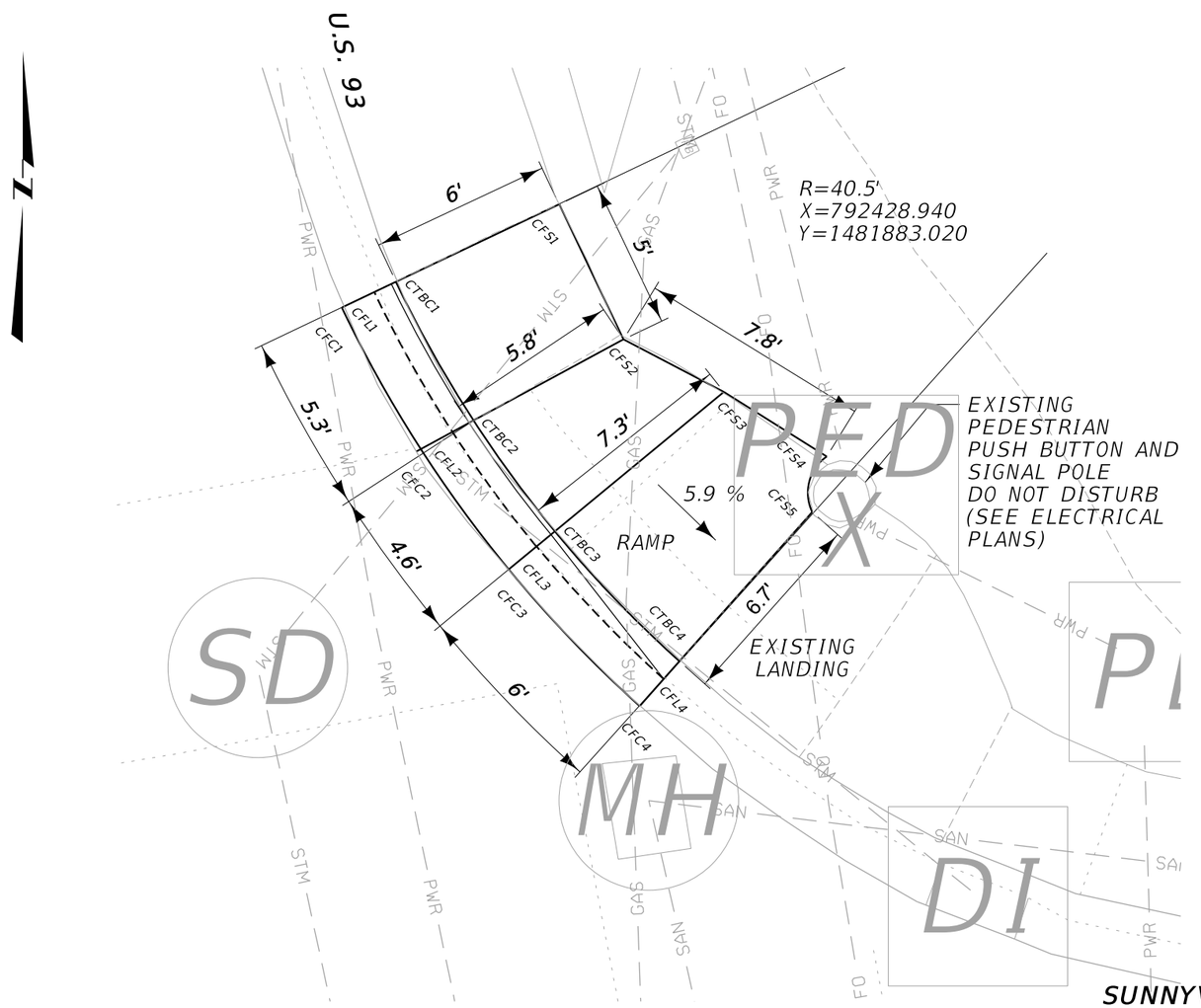
3	MDT MONTANA DEPARTMENT OF TRANSPORTATION	C:\DGN\9365000sadet001.dgn	DESIGNED BY	Daniel Birlut	12/2/2019	ROAD PLANS	US 93 NORTH SIGNALS - KALISPELL	CMDP 6799(48)
2		9/15/2021	REVIEWED BY	Scott Gerken	12/2/2019			
		2:58:10 PM CPS - U3825	CHECKED BY	Ben Nunnallee	6/16/2021	FLATHEAD COUNTY	UPN 9365000	08

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DETAIL

POINT	N OR Y	E OR X	ELEVATION
CFC1	1,481,882.144	792,426.999	3,070.84
CFC2	1,481,877.351	792,429.632	3,070.76
CFC3	1,481,873.262	792,432.585	3,070.70
CFC4	1,481,868.707	792,436.975	3,070.62
CFL1	1,481,882.648	792,428.088	3,070.79
CFL2	1,481,877.917	792,430.678	3,070.72
CFL3	1,481,874.031	792,433.517	3,070.65
CFL4	1,481,869.610	792,437.778	3,070.57
CFS1	1,481,885.608	792,434.398	3,071.26
CFS2	1,481,881.093	792,436.545	3,071.16
CFS3	1,481,879.196	792,439.778	3,070.90
CFS4	1,481,877.038	792,443.215	3,070.81
CFS5	1,481,875.322	792,442.856	3,070.78
CTBC1	1,481,882.984	792,428.814	3,071.30
CTBC2	1,481,878.305	792,431.393	3,071.22
CTBC3	1,481,874.535	792,434.128	3,071.01
CTBC4	1,481,870.201	792,438.303	3,070.62



LEGEND
FC = FRONT OF CURB ELEV.
FL = FLOW LINE ELEV.
TBC = TOP BACK OF CURB ELEV.
FS = FINISHED SURFACE ELEV.
TRW = TOP OF RETAINING WALL ELEV.
DI = DROP INLET
SD = SLOTTED DRAIN

DETECTABLE WARNING DEVICES

NOTES:

PROVIDE DETECTABLE WARNING DEVICES ON THE BOTTOM 2.0 FEET OF EACH RAMP AS SHOWN. SEE DTL. DWG. NO. 608-40 FOR DETECTABLE WARNING DEVICES DETAILS.

ALL DIMENSIONS AND ELEVATIONS ARE FEET UNLESS OTHERWISE NOTED.

ALL CURB AND GUTTER DIMENSIONS ARE ALONG TBC.

CONTRACTOR VERIFY ELEVATIONS IN THE FIELD PRIOR TO CONSTRUCTION.

MATCH EXISTING ELEVATIONS AT ALL JOINTS BETWEEN NEW AND EXISTING CONCRETE.

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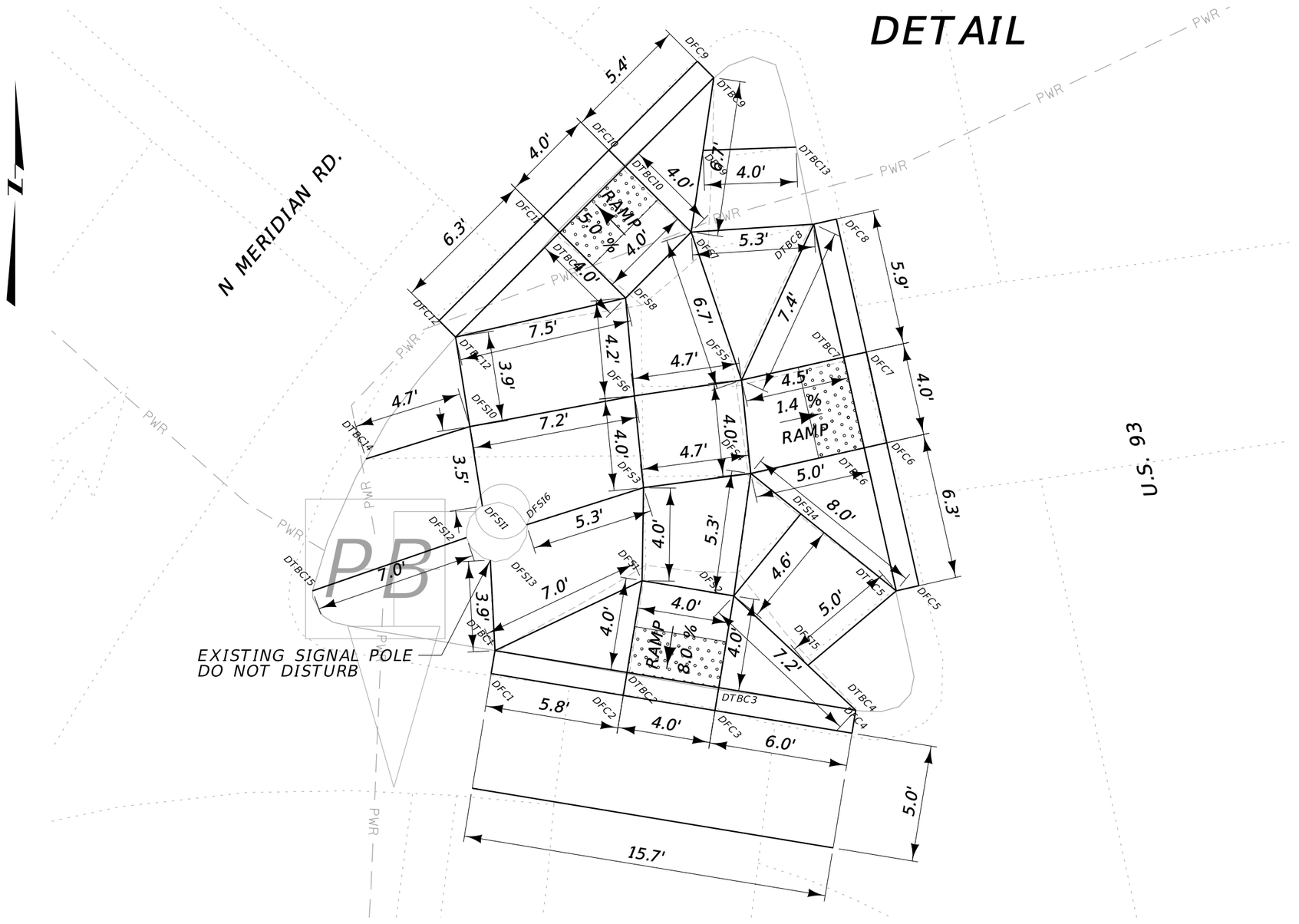
NE CORNER SUNNYVIEW LN. & U.S. 93

NO SCALE

3 / 1	MDT MONTANA DEPARTMENT OF TRANSPORTATION	C:\DGN\9365000sadet001.dgn	DESIGNED BY Daniel Birlut 12/2/2019	ROAD PLANS		US 93 NORTH SIGNALS - KALISPELL	CMDP 6799(48)
		9/15/2021	REVIEWED BY Scott Gerken 12/2/2019				
		2:58:16 PM CPS - U3829	CHECKED BY Ben Nunnallee 6/16/2021	FLATHEAD COUNTY		UPN 9365000	09

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DETAIL



POINT	N OR Y	E OR X	ELEVATION
DFC1	1,482,501.263	792,195.817	3,080.93
DFC2	1,482,500.326	792,201.498	3,081.31
DFC3	1,482,499.675	792,205.445	3,081.37
DFC4	1,482,498.704	792,211.338	3,081.63
DFC5	1,482,505.043	792,214.218	3,081.78
DFC6	1,482,511.190	792,212.834	3,081.76
DFC7	1,482,515.092	792,211.956	3,081.79
DFC8	1,482,520.813	792,210.668	3,081.90
DFC9	1,482,527.598	792,204.682	3,081.78
DFC10	1,482,523.777	792,200.878	3,081.55
DFC11	1,482,520.943	792,198.055	3,081.48
DFC12	1,482,516.444	792,193.575	3,081.18
DFS1	1,482.505.260	792.202.311	3.081.72
DFS2	1,482,504.609	792,206.258	3,081.78
DFS3	1,482,509.259	792,202.369	3,081.77
DFS4	1,482,509.872	792,206.981	3,081.85
DFS5	1,482,513.884	792,206.590	3,081.87
DFS6	1,482,513.210	792,201.976	3,081.79
DFS7	1,482,520.249	792,204.421	3,081.83
DFS8	1,482,517.415	792,201.598	3,081.76
DFS9	1,482,523.769	792,204.935	3,082.00
DFS10	1,482,511.858	792,194.905	3,081.45
DFS11	1,482,508.463	792,195.440	3,081.39
DFS12	1,482,507.111	792,194.752	3,081.36
DFS13	1,482,506.143	792,195.776	3,081.34
DFS14	1,482,508.133	792,209.138	3,081.91
DFS15	1,482,501.622	792,209.443	3,081.92
DFS16	1,482,507.661	792,197.336	3,081.42
DTBC1	1,482,502.250	792,195.980	3,081.28
DTBC2	1,482,501.313	792,201.661	3,081.40
DTBC3	1,482,500.662	792,205.607	3,081.46
DTBC4	1,482,499.692	792,211.501	3,082.01
DTBC5	1,482,504.823	792,213.240	3,082.13
DTBC6	1,482,510.970	792,211.859	3,081.78
DTBC7	1,482,514.873	792,210.980	3,081.80
DTBC8	1,482,520.593	792,209.692	3,082.22
DTBC9	1,482,526.892	792,205.391	3,082.15
DTBC10	1,482,523.072	792,201.586	3,081.63
DTBC11	1,482,520.238	792,198.764	3,081.56
DTBC12	1,482,515.739	792,194.284	3,081.50
DTBC13	1,482,523.907	792,208.936	3,082.27
DTBC14	1,482,510.497	792,190.432	3,081.27
DTBC15	1,482,504.825	792,188.134	3,081.16

LEGEND

FC	= FRONT OF CURB ELEV.
FL	= FLOW LINE ELEV.
TBC	= TOP BACK OF CURB ELEV.
FS	= FINISHED SURFACE ELEV.
TRW	= TOP OF RETAINING WALL ELEV.
DI	= DROP INLET
SD	= SLOTTED DRAIN

DETECTABLE WARNING DEVICES

NOTES:

PROVIDE DETECTABLE WARNING DEVICES ON THE BOTTOM 2.0 FEET OF EACH RAMP AS SHOWN. SEE DTL. DWG. NO. 608-40 FOR DETECTABLE WARNING DEVICES DETAILS.

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SEE DETAILED DRAWINGS FOR STANDARD SIDEWALK, CURB & GUTTER AND RETAINING WALL DETAILS.

AN ELECTRONIC CSV FILE WITH THE P.C.C.P. JOINT COORDINATE DATA WILL BE PROVIDED UPON REQUEST

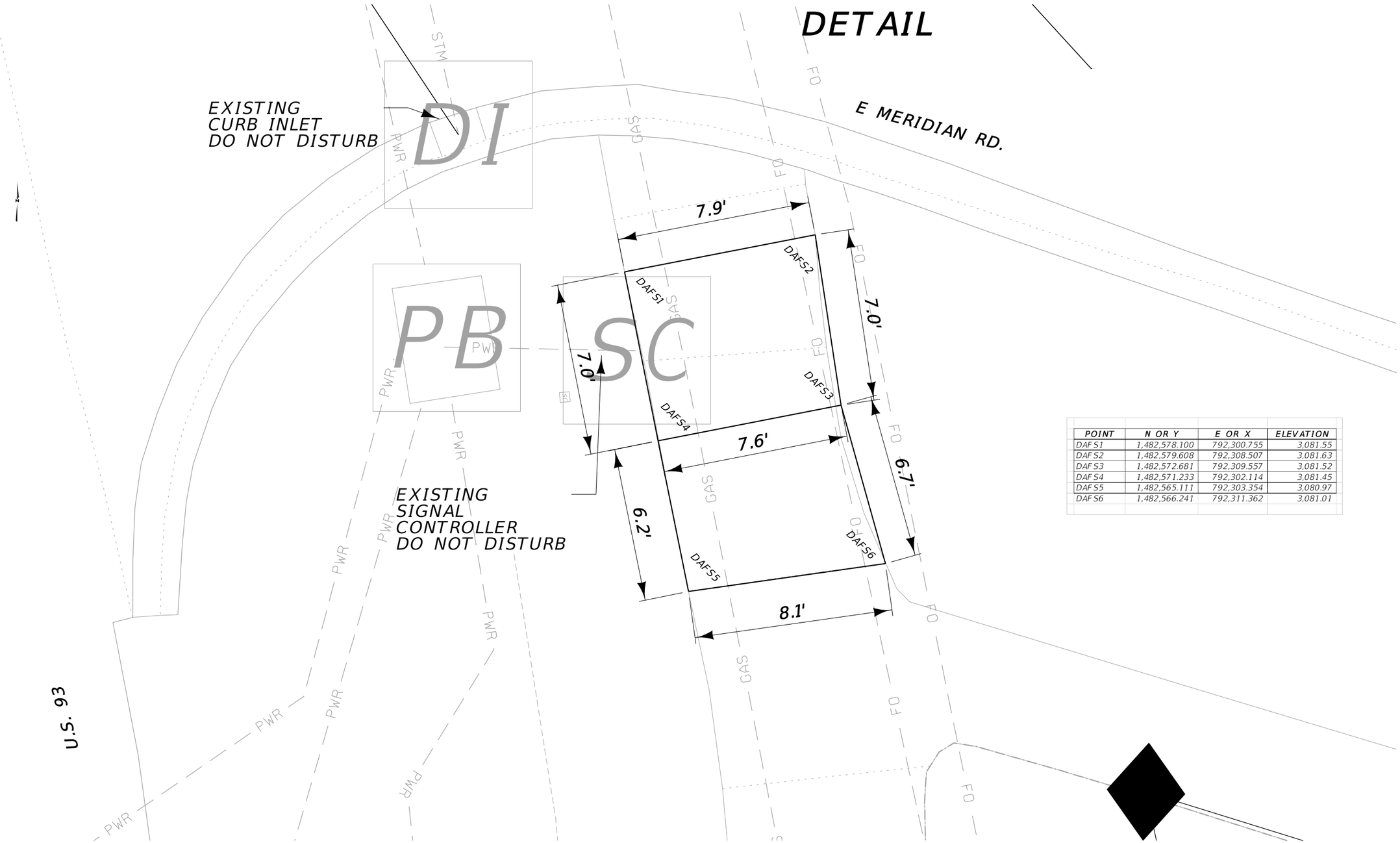
W CORNER ISLAND N MERIDIAN RD. & U.S. 93

NO SCALE

2	MDT MONTANA DEPARTMENT OF TRANSPORTATION	C:\DGN\9365000sadet001.dgn	DESIGNED BY	Daniel Birlut	12/2/2019	ROAD PLANS	US 93 NORTH SIGNALS - KALISPELL / CMDP 6799(48)
1		9/15/2021	REVIEWED BY	Scott Gerken	12/2/2019		
		2:58:22 PM CPS - U3829	CHECKED BY	Ben Nunnallee	6/16/2021	FLATHEAD COUNTY	UPN 9365000 / 10

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DETAIL



POINT	N OR Y	E OR X	ELEVATION
DAFS1	1,482,578.100	792,300.755	3,081.55
DAFS2	1,482,579.608	792,308.507	3,081.63
DAFS3	1,482,572.681	792,309.557	3,081.52
DAFS4	1,482,571.233	792,302.114	3,081.45
DAFS5	1,482,565.111	792,303.354	3,080.97
DAFS6	1,482,566.241	792,311.362	3,081.01

LEGEND	
FC	= FRONT OF CURB ELEV.
FL	= FLOW LINE ELEV.
TBC	= TOP BACK OF CURB ELEV.
FS	= FINISHED SURFACE ELEV.
TRW	= TOP OF RETAINING WALL ELEV.
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DETECTABLE WARNING DEVICES

NOTES:

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SEE DETAILED DRAWINGS FOR STANDARD SIDEWALK, CURB & GUTTER AND RETAINING WALL DETAILS.

AN ELECTRONIC CSV FILE WITH THE P.C.C.P. JOINT COORDINATE DATA WILL BE PROVIDED UPON REQUEST

SE CORNER E MERIDIAN RD. & U.S. 93

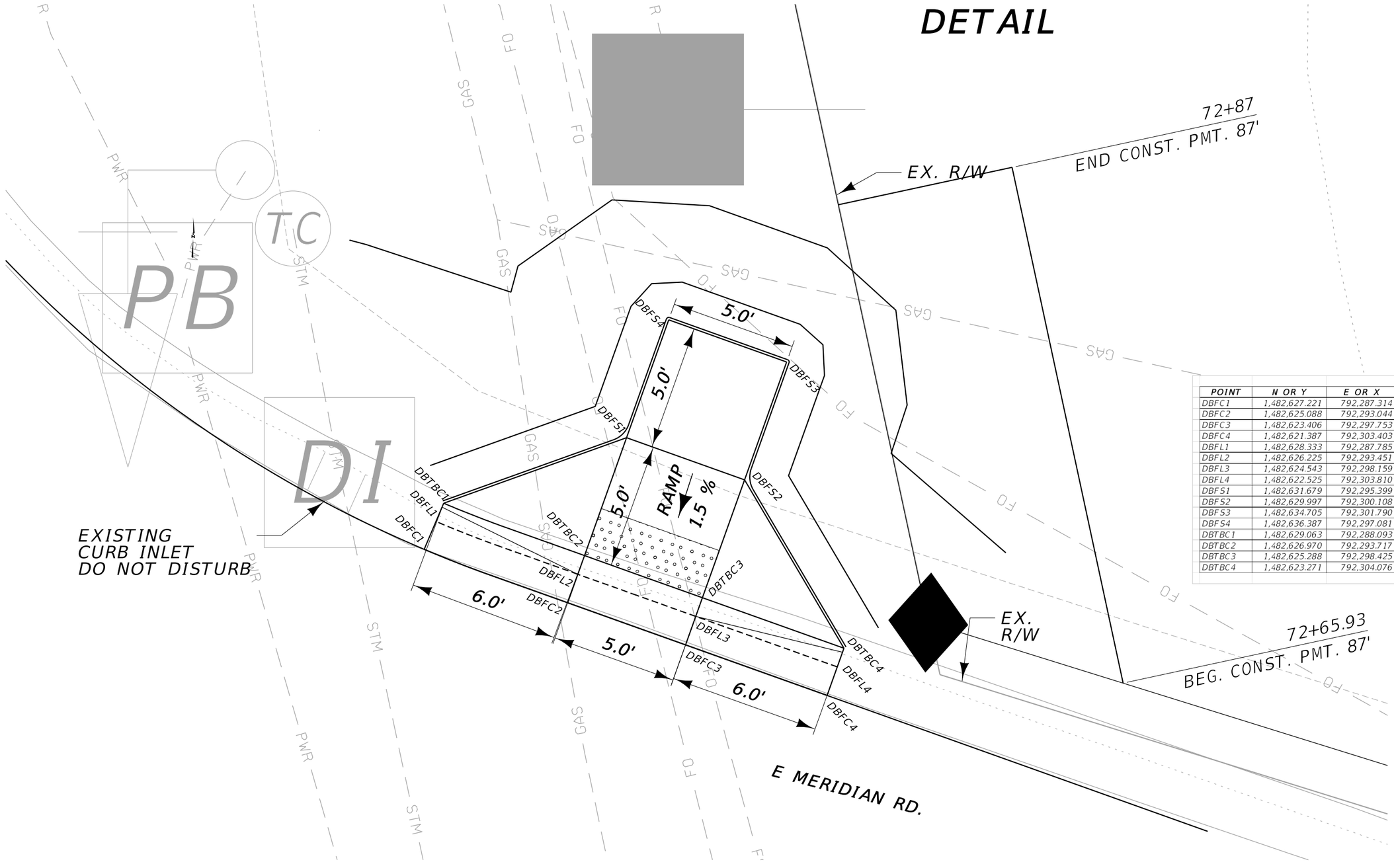
NO SCALE

3	MDT MONTANA DEPARTMENT OF TRANSPORTATION	C:\DGN\9365000sadet002.dgn	DESIGNED BY	Daniel Birlut	12/2/2019	ROAD PLANS	US 93 NORTH SIGNALS - KALISPELL / UPN 9365000	CMDP 6799(48) / 11
2		9/15/2021	REVIEWED BY	Scott Gerken	12/2/2019			
		2:58:41 PM CPS - U3825	CHECKED BY	Ben Nunnallee	6/16/2021	FLATHEAD COUNTY		

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DETAIL



POINT	N OR Y	E OR X	ELEVATION
DBFC1	1,482,627.221	792,287.314	3,081.52
DBFC2	1,482,625.088	792,293.044	3,081.57
DBFC3	1,482,623.406	792,297.753	3,081.61
DBFC4	1,482,621.387	792,303.403	3,081.66
DBFL1	1,482,628.333	792,287.785	3,081.47
DBFL2	1,482,626.225	792,293.451	3,081.52
DBFL3	1,482,624.543	792,298.159	3,081.56
DBFL4	1,482,622.525	792,303.810	3,081.61
DBFS1	1,482,631.679	792,295.399	3,081.64
DBFS2	1,482,629.997	792,300.108	3,081.69
DBFS3	1,482,634.705	792,301.790	3,081.76
DBFS4	1,482,636.387	792,297.081	3,081.72
DBTBC1	1,482,629.063	792,288.093	3,081.97
DBTBC2	1,482,626.970	792,293.717	3,081.57
DBTBC3	1,482,625.288	792,298.425	3,081.61
DBTBC4	1,482,623.271	792,304.076	3,082.11

LEGEND

FC	= FRONT OF CURB ELEV.
FL	= FLOW LINE ELEV.
TBC	= TOP BACK OF CURB ELEV.
FS	= FINISHED SURFACE ELEV.
TRW	= TOP OF RETAINING WALL ELEV.
DI	= DROP INLET
SD	= SLOTTED DRAIN

DETECTABLE WARNING DEVICES

NOTES:

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CONTRACTOR VERIFY ELEVATIONS IN THE FIELD PRIOR TO CONSTRUCTION:

MATCH EXISTING ELEVATIONS AT ALL JOINTS BETWEEN NEW AND EXISTING CONCRETE.

ELEVATIONS SHOWN AT MATCH LINE LOCATIONS ARE APPROXIMATE.

SEE DETAILED DRAWINGS FOR STANDARD SIDEWALK, CURB & GUTTER AND RETAINING WALL DETAILS.

AN ELECTRONIC CSV FILE WITH THE P.C.C.P. JOINT COORDINATE DATA WILL BE PROVIDED UPON REQUEST

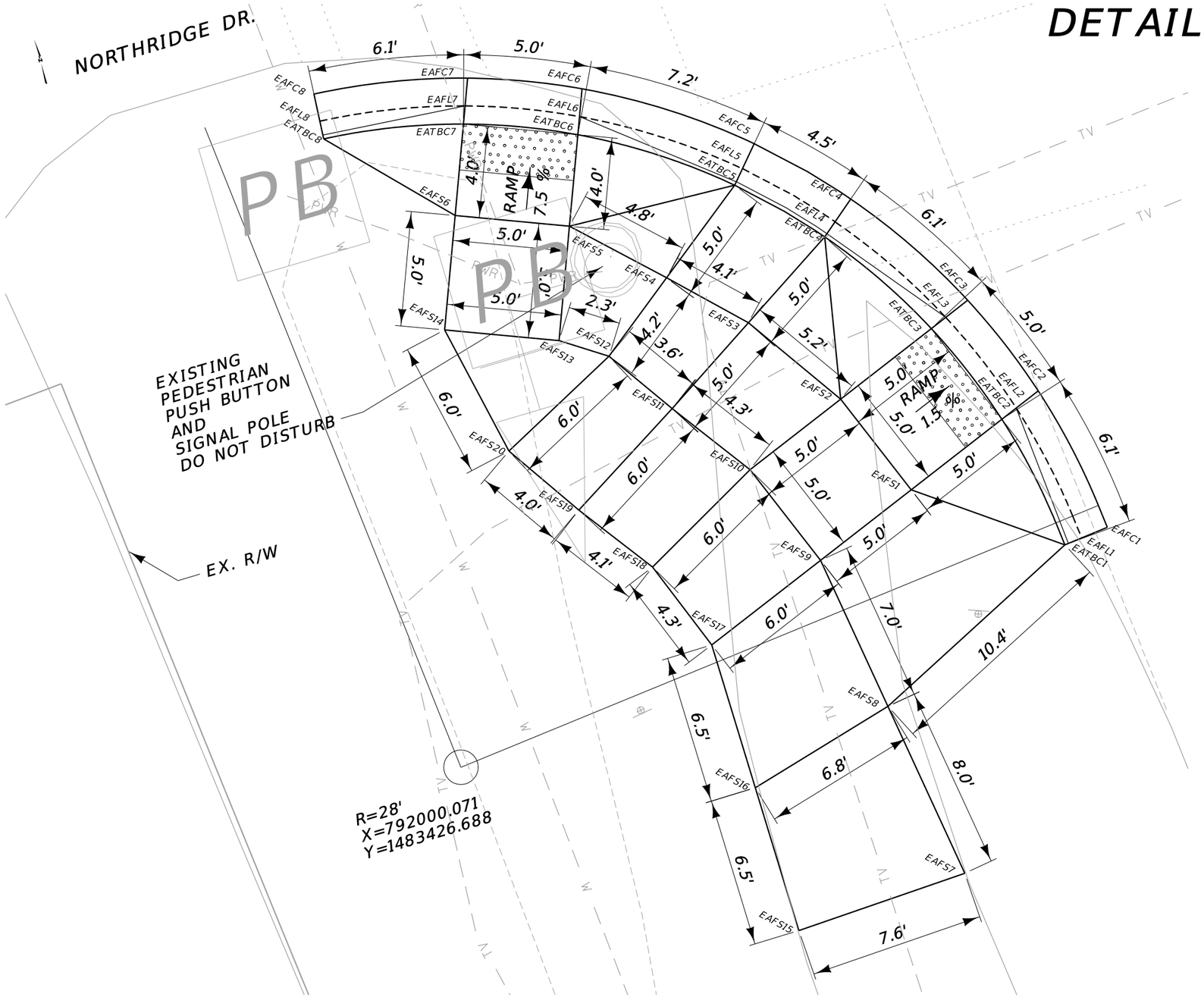
NE CORNER E MERIDIAN RD. & U.S. 93

NO SCALE

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AWARD COPY

DETAIL



POINT	N OR Y	E OR X	ELEVATION
EAFC1	1,483,428.708	792,030.020	3,084.92
EAFC2	1,483,435.257	792,028.821	3,084.91
EAFC3	1,483,439.913	792,026.998	3,084.86
EAFC4	1,483,445.588	792,023.368	3,084.61
EAFC5	1,483,449.091	792,020.024	3,084.38
EAFC6	1,483,453.508	792,013.513	3,084.01
EAFC7	1,483,455.368	792,008.873	3,083.95
EAFC8	1,483,456.608	792,002.259	3,083.63
EAFL1	1,483,428.585	792,028.819	3,084.87
EAFL2	1,483,434.815	792,027.692	3,084.86
EAFL3	1,483,439.471	792,025.869	3,084.81
EAFL4	1,483,444.827	792,022.430	3,084.57
EAFL5	1,483,448.188	792,019.220	3,084.33
EAFL6	1,483.452.381	792,013.065	3,083.96
EAFL7	1,483,454.242	792,008.424	3,083.90
EAFL8	1,483,455.403	792,002.171	3,083.59
EAFS1	1,483,432.703	792,022.296	3,084.99
EAFS2	1,483,437.359	792,020.474	3,084.93
EAFS3	1,483,441.688	792,017.569	3,084.71
EAFS4	1,483,444.575	792,014.710	3,084.50
EAFS5	1,483,447.927	792,011.290	3,084.31
EAFS6	1,483,449.788	792,006.649	3,084.24
EAFS7	1,483,416.036	792,019.791	3,083.85
EAFS8	1,483,423.953	792,018.644	3,084.42
EAFS9	1,483,430.881	792,017.640	3,084.91
EAFS10	1,483,435.537	792,015.818	3,084.86
EAFS11	1,483,439.048	792,013.323	3,084.63
EAFS12	1,483,442.013	792,011.332	3,084.45
EAFS13	1,483,443.283	792,009.439	3,084.38
EAFS14	1,483,445.144	792,004.798	3,084.31
EAFS15	1,483,415.694	792,012.157	3,083.81
EAFS16	1,483,422.194	792,012.105	3,084.31
EAFS17	1,483,428.694	792,012.053	3,084.82
EAFS18	1,483,432.676	792,010.544	3,084.77
EAFS19	1,483,435.968	792,008.173	3,084.54
EAFS20	1,483,439.295	792,005.983	3,084.36
EATBC1	1,483,428.505	792,028.031	3,085.37
EATBC2	1,483,434.526	792,026.952	3,084.91
EATBC3	1,483,439.182	792,025.130	3,084.86
EATBC4	1,483,444.328	792,021.815	3,084.82
EATBC5	1,483,447.596	792,018.695	3,084.59
EATBC6	1,483,451.643	792,012.771	3,084.01
EATBC7	1,483,453.504	792,008.130	3,083.94
EATBC8	1,483,454.613	792,002.113	3,084.09

LEGEND

FC = FRONT OF CURB ELEV.
FL = FLOW LINE ELEV.
TBC = TOP BACK OF CURB ELEV.
FS = FINISHED SURFACE ELEV.
TRW = TOP OF RETAINING WALL ELEV.
DI = DROP INLET
SD = SLOTTED DRAIN

DETECTABLE WARNING DEVICES

NOTES:

PROVIDE DETECTABLE WARNING DEVICES ON THE BOTTOM 2.0 FEET OF EACH RAMP AS SHOWN. SEE DTL. DWG. NO. 608-40 FOR DETECTABLE WARNING DEVICES DETAILS.

ALL DIMENSIONS AND ELEVATIONS ARE FEET UNLESS OTHERWISE NOTED.

ALL CURB AND GUTTER DIMENSIONS ARE ALONG TBC.

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SW CORNER NORTHRIDGE DR. & U.S. 93

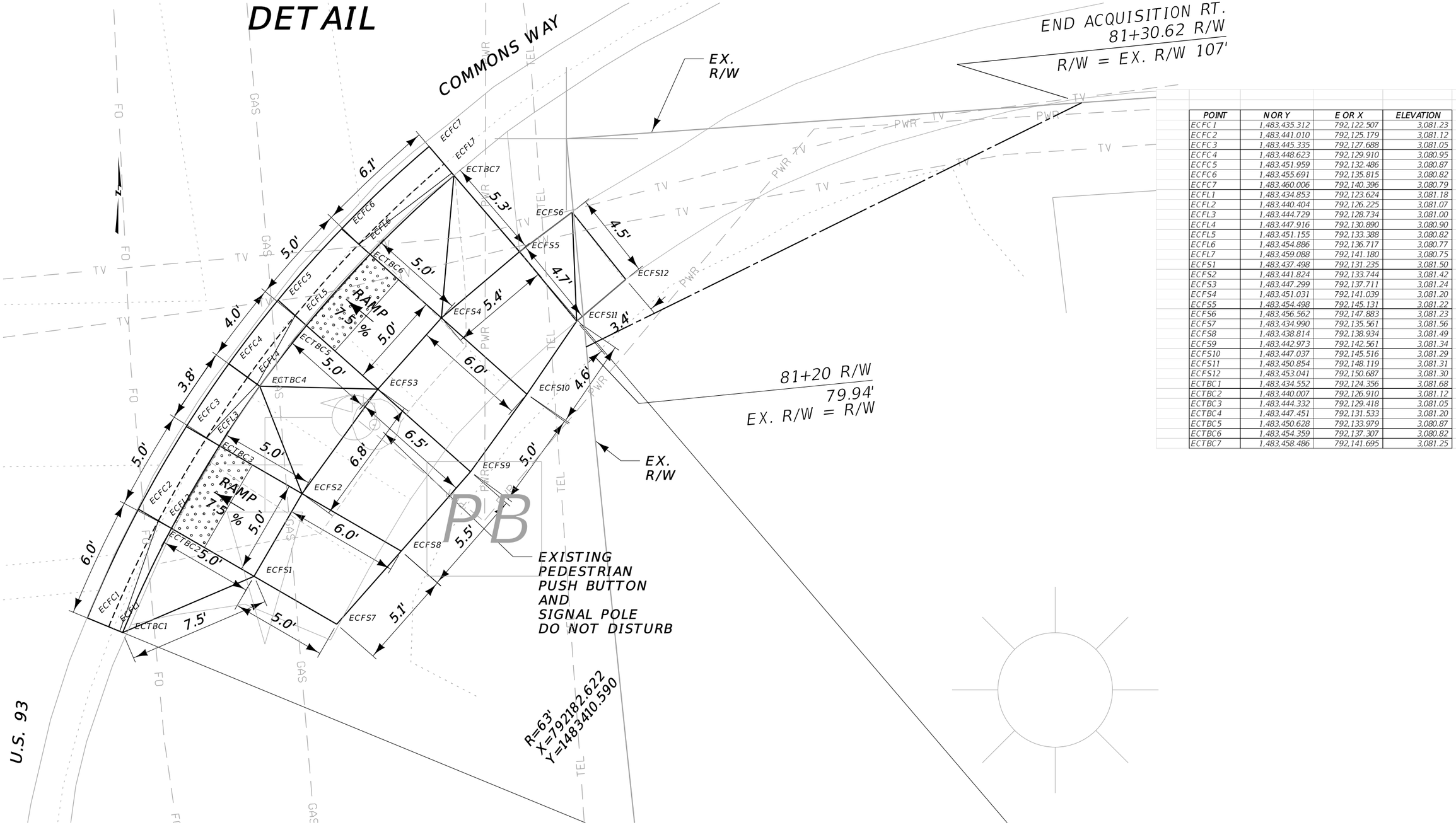
NO SCALE

2	MDT MONTANA DEPARTMENT OF TRANSPORTATION	C:\DGN\9365000sadet002.dgn	DESIGNED BY Daniel Birlut	12/2/2019	ROAD PLANS	US 93 NORTH SIGNALS - KALISPELL	CMDP 6799(48)
1		9/15/2021	REVIEWED BY Scott Gerken	12/2/2019			
		2:58:53 PM CPS - U3829	CHECKED BY Ben Nunnallee	6/16/2021	FLATHEAD COUNTY	UPN 9365000	13

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DETAIL



POINT	N OR Y	E OR X	ELEVATION
ECFC 1	1,483,435.312	792,122.507	3,081.23
ECFC 2	1,483,441.010	792,125.179	3,081.12
ECFC 3	1,483,445.335	792,127.688	3,081.05
ECFC 4	1,483,448.623	792,129.910	3,080.95
ECFC 5	1,483,451.959	792,132.486	3,080.87
ECFC 6	1,483,455.691	792,135.815	3,080.82
ECFC 7	1,483,460.006	792,140.396	3,080.79
ECFL1	1,483,434.853	792,123.624	3,081.18
ECFL2	1,483,440.404	792,126.225	3,081.07
ECFL3	1,483,444.729	792,128.734	3,081.00
ECFL4	1,483,447.916	792,130.890	3,080.90
ECFL5	1,483,451.155	792,133.388	3,080.82
ECFL6	1,483,454.886	792,136.717	3,080.77
ECFL7	1,483,459.088	792,141.180	3,080.75
ECFS1	1,483,437.498	792,131.235	3,081.50
ECFS2	1,483,441.824	792,133.744	3,081.42
ECFS3	1,483,447.299	792,137.711	3,081.24
ECFS4	1,483,451.031	792,141.039	3,081.20
ECFS5	1,483,454.498	792,145.131	3,081.22
ECFS6	1,483,456.562	792,147.883	3,081.23
ECFS7	1,483,434.990	792,135.561	3,081.56
ECFS8	1,483,438.814	792,138.934	3,081.49
ECFS9	1,483,442.973	792,142.561	3,081.34
ECFS10	1,483,447.037	792,145.516	3,081.29
ECFS11	1,483,450.854	792,148.119	3,081.31
ECFS12	1,483,453.041	792,150.687	3,081.30
ECTBC1	1,483,434.552	792,124.356	3,081.68
ECTBC2	1,483,440.007	792,126.910	3,081.12
ECTBC3	1,483,444.332	792,129.418	3,081.05
ECTBC4	1,483,447.451	792,131.533	3,081.20
ECTBC5	1,483,450.628	792,133.979	3,080.87
ECTBC6	1,483,454.359	792,137.307	3,080.82
ECTBC7	1,483,458.486	792,141.695	3,081.25

LEGEND

FC = FRONT OF CURB ELEV.
FL = FLOW LINE ELEV.
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FS = FINISHED SURFACE ELEV.
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DI = DROP INLET
SD = SLOTTED DRAIN

DETECTABLE WARNING DEVICES

NOTES:

PROVIDE DETECTABLE WARNING DEVICES ON THE BOTTOM 2.0 FEET OF EACH RAMP AS SHOWN. SEE DTL. DWG. NO. 608-40 FOR DETECTABLE WARNING DEVICES DETAILS.

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SE CORNER COMMONS WAY & U.S. 93

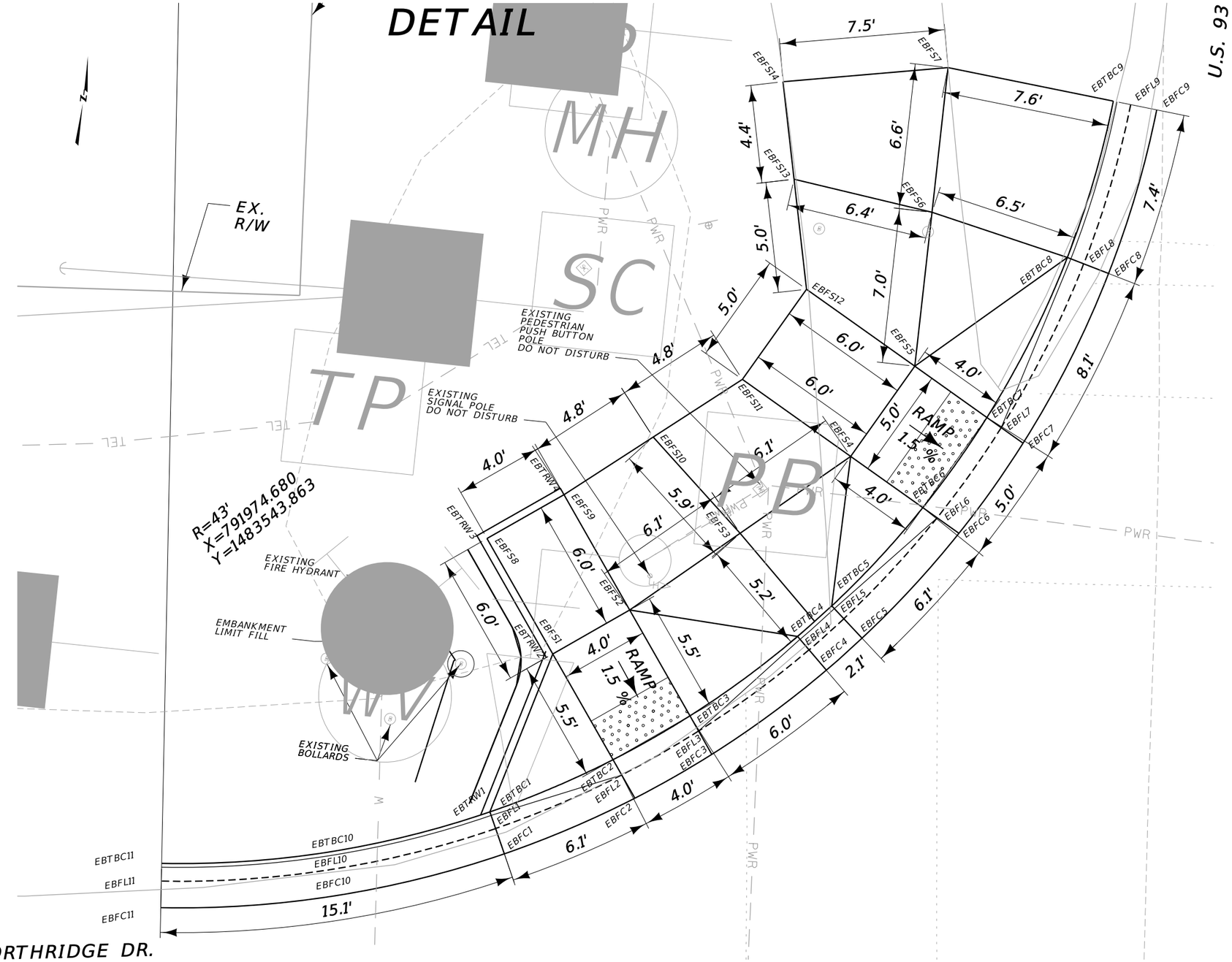
NO SCALE

3	MDT MONTANA DEPARTMENT OF TRANSPORTATION	C:\DGN\9365000sadet003.dgn	DESIGNED BY	Daniel Birlut	12/2/2019	ROAD PLANS	US 93 NORTH SIGNALS - KALISPELL	CMDP 6799(48)
2		9/15/2021	REVIEWED BY	Scott Gerken	12/2/2019			
		2:59:10 PM CPS - U3829	CHECKED BY	Ben Nunnallee	6/16/2021	FLATHEAD COUNTY	UPN 9365000	14

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AWARD COPY

DETAIL



POINT	N OR Y	E OR X	ELEVATION
EBFC 1	1,483,503.085	791,993.710	3,083.73
EBFC 2	1,483,506.204	791,999.313	3,083.86
EBFC 3	1,483,508.541	792,002.560	3,083.90
EBFC 4	1,483,512.865	792,007.301	3,084.04
EBFC 5	1,483,514.473	792,008.756	3,084.10
EBFC 6	1,483,519.644	792,012.606	3,084.25
EBFC 7	1,483,524.001	792,015.059	3,084.33
EBFC 8	1,483,532.032	792,018.097	3,084.66
EBFC 9	1,483,539.611	792,019.478	3,084.75
EBFC 10	1,483,500.088	791,985.106	3,083.48
EBFC 11	1,483,499.029	791,978.537	3,083.29
EBFL1	1,483,504.180	791,993.199	3,083.68
EBFL2	1,483,507.186	791,998.608	3,083.81
EBFL3	1,483,509.523	792,001.855	3,083.85
EBFL4	1,483,513.697	792,006.425	3,083.99
EBFL5	1,483,515.262	792,007.841	3,084.05
EBFL6	1,483,520.238	792,011.552	3,084.21
EBFL7	1,483,524.595	792,014.005	3,084.28
EBFL8	1,483,532.350	792,016.931	3,084.61
EBFL9	1,483,539.725	792,018.284	3,084.70
EBFL10	1,483,501.255	791,984.828	3,083.43
EBFL11	1,483,500.224	791,978.434	3,083.24
EBFS1	1,483,512.296	791,994.936	3,083.94
EBFS2	1,483,514.632	791,998.183	3,083.99
EBFS3	1,483,518.610	792,002.779	3,084.15
EBFS4	1,483,522.588	792,007.376	3,084.31
EBFS5	1,483,526.946	792,009.829	3,084.39
EBFS6	1,483,533.945	792,009.868	3,084.11
EBFS7	1,483,540.520	792,009.905	3,083.83
EBFS8	1,483,517.168	791,991.434	3,084.03
EBFS9	1,483,519.504	791,994.681	3,084.08
EBFS10	1,483,522.518	791,998.414	3,084.23
EBFS11	1,483,525.532	792,002.148	3,084.37
EBFS12	1,483,529.889	792,004.600	3,084.45
EBFS13	1,483,534.770	792,003.519	3,084.05
EBFS14	1,483,539.099	792,002.560	3,083.62
EBTBC 1	1,483,504.914	791,992.869	3,084.18
EBTBC 2	1,483,507.829	791,998.146	3,083.86
EBTBC 3	1,483,510.166	792,001.392	3,083.90
EBTBC 4	1,483,514.243	792,005.851	3,084.27
EBTBC 5	1,483,515.779	792,007.242	3,084.32
EBTBC 6	1,483,520.626	792,010.862	3,084.25
EBTBC 7	1,483,524.983	792,013.314	3,084.33
EBTBC 8	1,483,532.551	792,016.159	3,085.11
EBTBC 9	1,483,539.800	792,017.487	3,085.21
EBTBC 10	1,483,502.033	791,984.643	3,083.94
EBTBC 11	1,483,501.021	791,978.366	3,083.24
EBTRW 1	1,483,504.987	791,992.543	3,084.52
EBTRW 2	1,483,512.229	791,994.571	3,084.28
EBTRW 3	1,483,517.247	791,990.974	3,084.36
EBTRW 4	1,483,519.775	791,994.486	3,084.41

NORTHRIDGE DR.

LEGEND

FC = FRONT OF CURB ELEV.
FL = FLOW LINE ELEV.
TBC = TOP BACK OF CURB ELEV.
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DETECTABLE WARNING DEVICES

NOTES:

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NW CORNER NORTHRIDGE DR. & U.S. 93

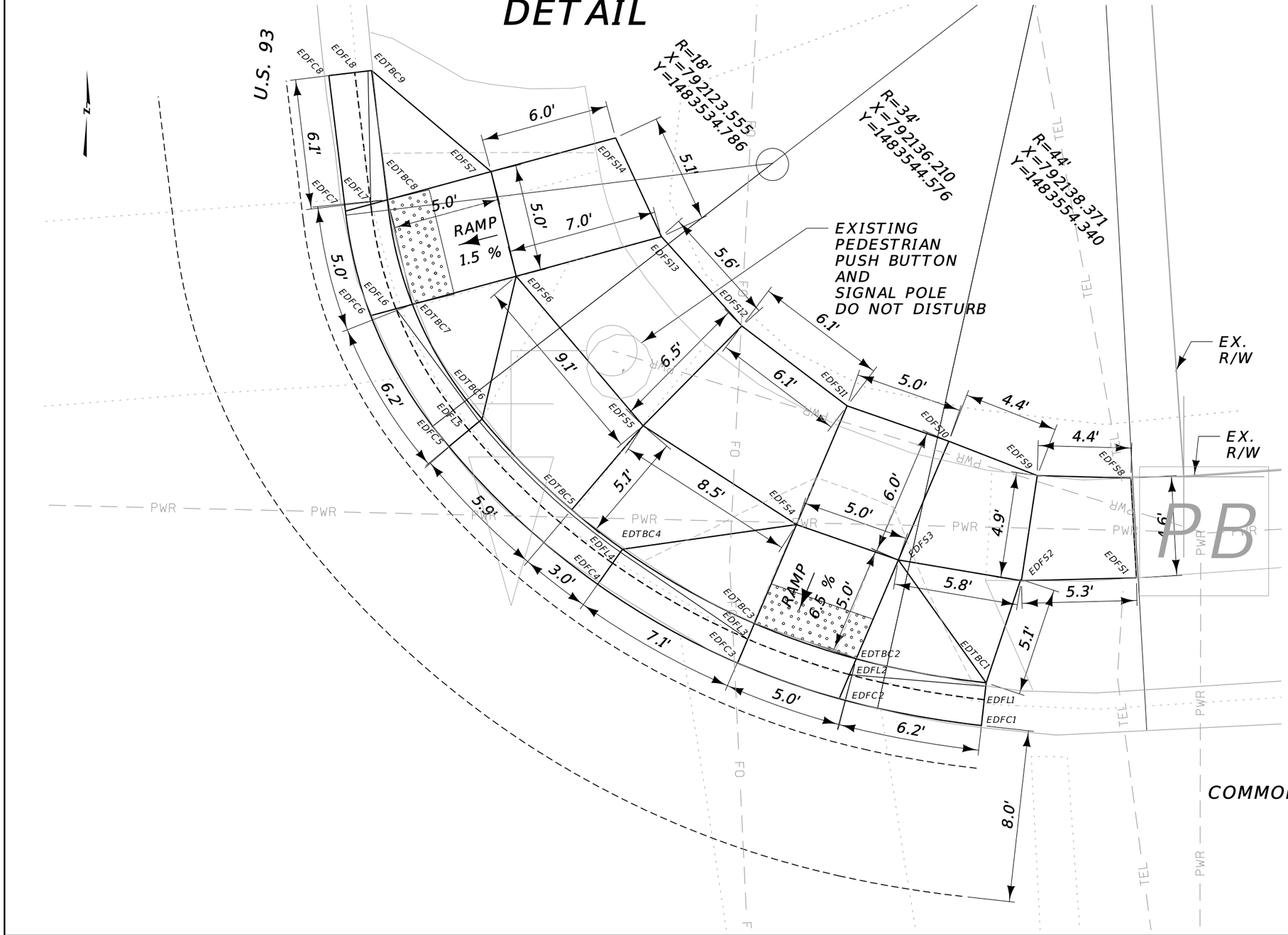
NO SCALE

3 / 1	MDT MONTANA DEPARTMENT OF TRANSPORTATION	C:\DGN\9365000sadet003.dgn 9/15/2021 2:59:17 PM CPS - U3825	DESIGNED BY Daniel Birlut 12/2/2019 REVIEWED BY Scott Gerken 12/2/2019 CHECKED BY Ben Nunnallee 6/16/2021	ROAD PLANS FLATHEAD COUNTY		US 93 NORTH SIGNALS - KALISPELL UPN 9365000	CMDP 6799(48) 15

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DETAIL



POINT	N OR Y	E OR X	ELEVATION
EDFC1	1,483,508.623	792,133.260	3,080.81
EDFC2	1,483,509.870	792,126.645	3,080.89
EDFC3	1,483,511.534	792,121.919	3,080.96
EDFC4	1,483,515.194	792,115.409	3,081.16
EDFC5	1,483,521.604	792,108.492	3,081.49
EDFC6	1,483,527.692	792,104.856	3,081.72
EDFC7	1,483,532.553	792,103.679	3,081.77
EDFC8	1,483,538.858	792,102.910	3,081.76
EDFL1	1,483,509.824	792,133.394	3,080.76
EDFL2	1,483,510.992	792,127.123	3,080.84
EDFL3	1,483,512.646	792,122.392	3,080.91
EDFL4	1,483,516.173	792,116.102	3,081.12
EDFL5	1,483,522.369	792,109.416	3,081.44
EDFL6	1,483,528.010	792,106.027	3,081.67
EDFL7	1,483,532.873	792,104.857	3,081.72
EDFL8	1,483,539.005	792,104.109	3,081.72
EDFS1	1,483,515.495	792,140.467	3,081.23
EDFS2	1,483,515.378	792,135.075	3,081.26
EDFS3	1,483,516.327	792,129.395	3,081.22
EDFS4	1,483,517.974	792,124.661	3,081.28
EDFS5	1,483,522.570	792,117.522	3,081.56
EDFS6	1,483,529.528	792,111.620	3,081.79
EDFS7	1,483,534.393	792,110.454	3,081.84
EDFS8	1,483,520.136	792,140.213	3,081.29
EDFS9	1,483,520.249	792,135.860	3,081.35
EDFS10	1,483,521.848	792,131.745	3,081.29
EDFS11	1,483,523.494	792,127.012	3,081.36
EDFS12	1,483,527.211	792,122.116	3,081.64
EDFS13	1,483,531.363	792,118.376	3,081.90
EDFS14	1,483,535.965	792,116.244	3,081.93
EDTBC1	1,483,510.612	792,133.482	3,081.26
EDTBC2	1,483,511.727	792,127.436	3,080.89
EDTBC3	1,483,513.382	792,122.706	3,080.96
EDTBC4	1,483,516.827	792,116.564	3,081.62
EDTBC5	1,483,518.665	792,114.206	3,081.73
EDTBC6	1,483,522.880	792,110.032	3,081.94
EDTBC7	1,483,528.218	792,106.795	3,081.72
EDTBC8	1,483,533.083	792,105.629	3,081.77
EDTBC9	1,483,539.101	792,104.895	3,082.22

LEGEND

FC	= FRONT OF CURB ELEV.
FL	= FLOW LINE ELEV.
TBC	= TOP BACK OF CURB ELEV.
FS	= FINISHED SURFACE ELEV.
TRW	= TOP OF RETAINING WALL ELEV.
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SD	= SLOTTED DRAIN

DETECTABLE WARNING DEVICES

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NE CORNER COMMONS WAY & U.S. 93

NO SCALE

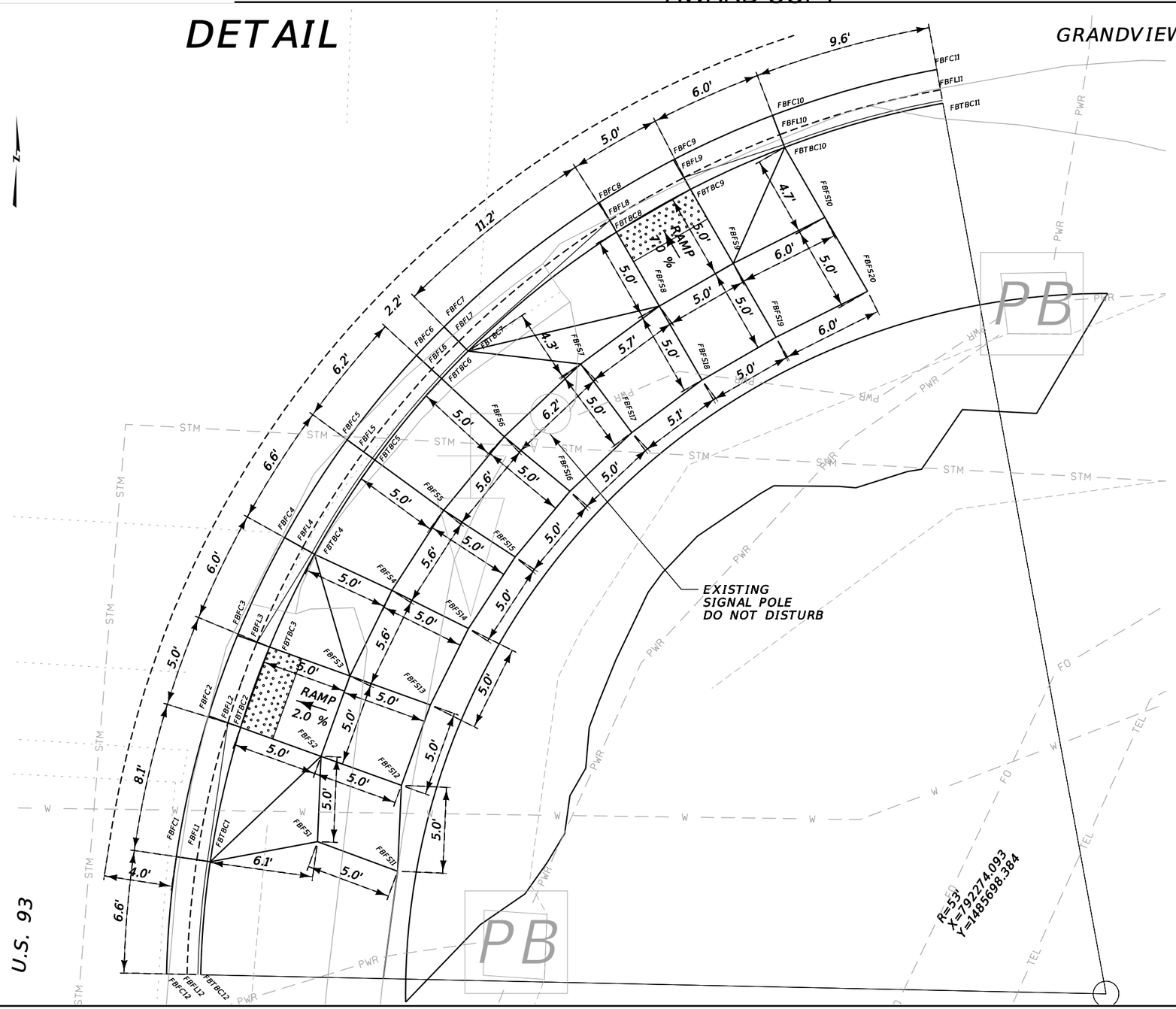
2	MDT	MONTANA DEPARTMENT OF TRANSPORTATION	C:\DGN\9365000sadet003.dgn	DESIGNED BY	Daniel Birlut	12/2/2019	ROAD PLANS
1			9/15/2021	REVIEWED BY	Scott Gerken	12/2/2019	FLATHEAD COUNTY
			2:59:24 PM CPS - U3829	CHECKED BY	Ben Nunnallee	6/16/2021	

US 93 NORTH SIGNALS - KALISPELL	CMDP 6799(48)
UPN 9365000	16

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DETAIL



POINT	N OR Y	E OR X	ELEVATION
FBFC1	1,485,706.417	792,219.683	3,034.93
FBFC2	1,485,714.666	792,221.558	3,034.64
FBFC3	1,485,719.370	792,223.254	3,034.57
FBFC4	1,485,725.094	792,226.014	3,034.34
FBFC5	1,485,730.814	792,229.681	3,034.08
FBFC6	1,485,735.751	792,233.742	3,033.81
FBFC7	1,485,737.427	792,235.354	3,033.70
FBFC8	1,485,744.657	792,244.364	3,033.06
FBFC9	1,485,747.208	792,248.770	3,032.98
FBFC10	1,485,749.802	792,254.567	3,032.45
FBFC11	1,485,752.485	792,264.188	3,031.80
FBFC12	1,485,699.555	792,219.106	3,035.07
FBFL1	1,485,706.242	792,220.870	3,034.88
FBFL2	1,485,714.256	792,222.696	3,034.60
FBFL3	1,485,718.960	792,224.392	3,034.52
FBFL4	1,485,724.511	792,227.063	3,034.30
FBFL5	1,485,730.107	792,230.651	3,034.03
FBFL6	1,485,734.937	792,234.622	3,033.76
FBFL7	1,485,736.569	792,236.205	3,033.65
FBFL8	1,485,743.659	792,245.046	3,033.01
FBFL9	1,485,746.161	792,249.375	3,032.93
FBFL10	1,485,748.681	792,254.996	3,032.41
FBFL11	1,485,751.305	792,264.404	3,031.76
FBFL12	1,485,699.530	792,220.305	3,035.02
FBFS1	1,485,707.296	792,227.945	3,034.47
FBFS2	1,485,712.292	792,228.145	3,034.75
FBFS3	1,485,716.995	792,229.840	3,034.67
FBFS4	1,485,722.005	792,232.299	3,034.42
FBFS5	1,485,726.695	792,235.322	3,034.18
FBFS6	1,485,731.003	792,238.869	3,033.93
FBFS7	1,485,735.250	792,243.343	3,033.66
FBFS8	1,485,738.644	792,247.943	3,033.41
FBFS9	1,485,741.146	792,252.272	3,033.33
FBFS10	1,485,743.839	792,257.634	3,032.91
FBFS11	1,485,705.568	792,232.627	3,034.41
FBFS12	1,485,710.596	792,232.848	3,034.70
FBFS13	1,485,715.300	792,234.544	3,034.62
FBFS14	1,485,719.775	792,236.774	3,034.36
FBFS15	1,485,723.961	792,239.508	3,034.11
FBFS16	1,485,727.801	792,242.710	3,033.86
FBFS17	1,485,731.245	792,246.335	3,033.61
FBFS18	1,485,734.315	792,250.445	3,033.36
FBFS19	1,485,736.817	792,254.774	3,033.28
FBFS20	1,485,739.509	792,260.136	3,032.85
FBTBC1	1,485,706.125	792,221.661	3,035.38
FBTBC2	1,485,713.988	792,223.441	3,034.65
FBTBC3	1,485,718.692	792,225.134	3,034.57
FBTBC4	1,485,724.120	792,227.767	3,034.79
FBTBC5	1,485,729.635	792,231.296	3,034.54
FBTBC6	1,485,734.392	792,235.209	3,034.27
FBTBC7	1,485,735.968	792,236.724	3,034.16
FBTBC8	1,485,742.974	792,245.442	3,033.06
FBTBC9	1,485,745.475	792,249.771	3,032.98
FBTBC10	1,485,747.933	792,255.280	3,032.91
FBTBC11	1,485,750.518	792,264.548	3,031.86
FBTBC12	1,485,699.513	792,221.105	3,035.03

LEGEND	
FC	= FRONT OF CURB ELEV.
FL	= FLOW LINE ELEV.
TBC	= TOP BACK OF CURB ELEV.
FS	= FINISHED SURFACE ELEV.
TRW	= TOP OF RETAINING WALL ELEV.
DI	= DROP INLET
SD	= SLOTTED DRAIN

DETECTABLE WARNING DEVICES

NOTES:

PROVIDE DETECTABLE WARNING DEVICES ON THE BOTTOM 2.0 FEET OF EACH RAMP AS SHOWN. SEE DTL. DWG. NO. 608-40 FOR DETECTABLE WARNING DEVICES DETAILS.

ALL DIMENSIONS AND ELEVATIONS ARE FEET UNLESS OTHERWISE NOTED.

ALL CURB AND GUTTER DIMENSIONS ARE ALONG TBC.

CONTRACTOR VERIFY ELEVATIONS IN THE FIELD PRIOR TO CONSTRUCTION.

MATCH EXISTING ELEVATIONS AT ALL JOINTS BETWEEN NEW AND EXISTING CONCRETE.

ELEVATIONS SHOWN AT MATCH LINE LOCATIONS ARE APPROXIMATE.

SEE DETAILED DRAWINGS FOR STANDARD SIDEWALK, CURB & GUTTER AND RETAINING WALL DETAILS.

AN ELECTRONIC CSV FILE WITH THE P.C.C.P. JOINT COORDINATE DATA WILL BE PROVIDED UPON REQUEST

SE CORNER GRANDVIEW DR. & U.S. 93

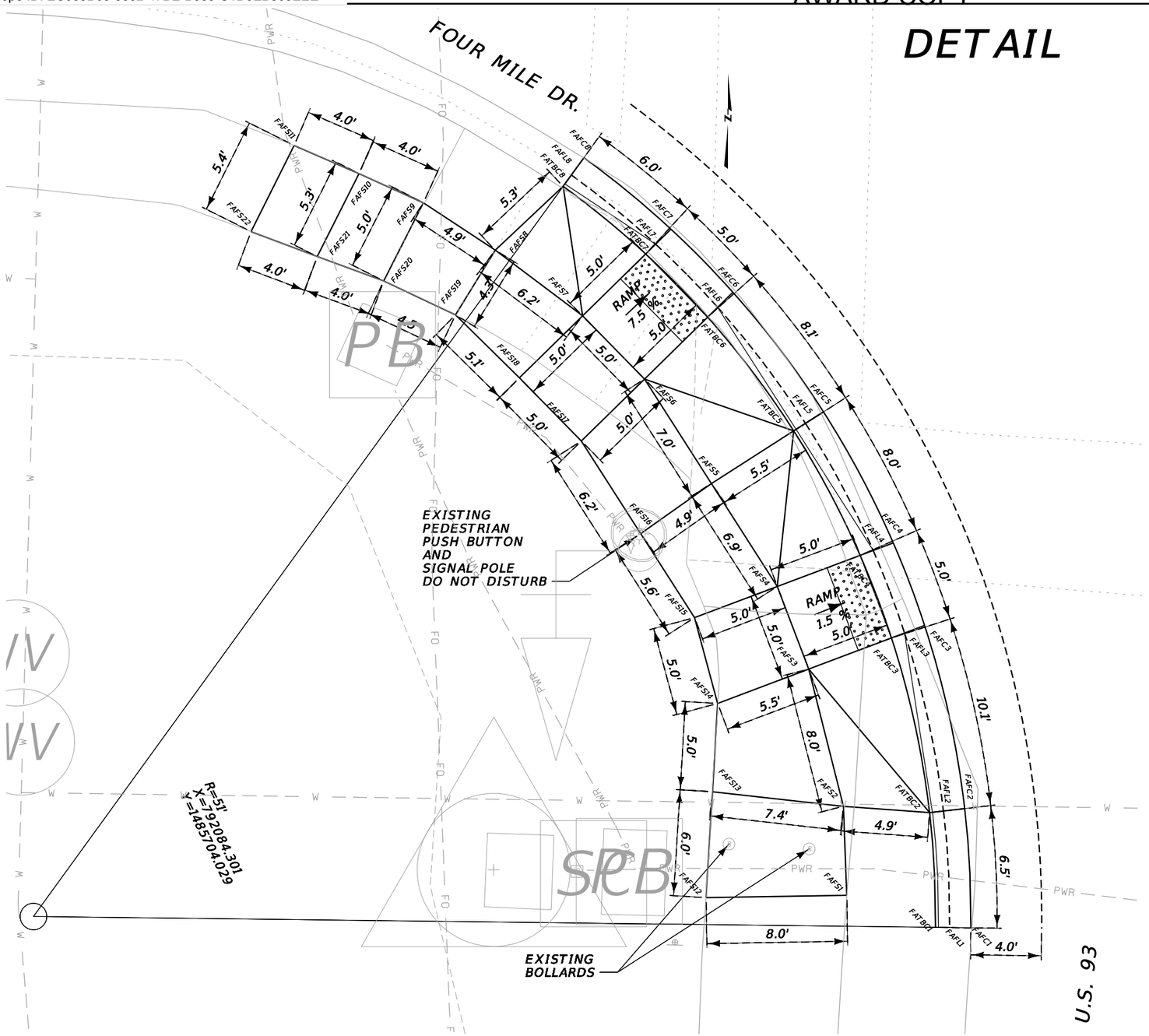
NO SCALE

3	MDT MONTANA DEPARTMENT OF TRANSPORTATION	C:\DGN\9365000sadet004.dgn	DESIGNED BY	Daniel Birlut	12/2/2019	ROAD PLANS	US 93 NORTH SIGNALS - KALISPELL / CMDP 6799(48)
2		9/15/2021	REVIEWED BY	Scott Gerken	12/2/2019		
		2:59:43 PM CPS - U3829	CHECKED BY	Ben Nunnallee	6/16/2021	FLATHEAD COUNTY	UPN 9365000 / 17

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DETAIL



POINT	N OR Y	E OR X	ELEVATION
FAFC1	1,485,703.390	792,137.297	3,035.31
FAFC2	1,485,710.132	792,136.948	3,035.09
FAFC3	1,485,720.481	792,134.683	3,034.73
FAFC4	1,485,725.156	792,132.908	3,034.63
FAFC5	1,485,732.561	792,128.966	3,034.07
FAFC6	1,485,739.319	792,123.844	3,033.49
FAFC7	1,485,742.889	792,120.342	3,033.39
FAFC8	1,485,746.932	792,115.420	3,032.97
FAFL1	1,485,703.405	792,136.097	3,035.27
FAFL2	1,485,709.993	792,135.748	3,035.04
FAFL3	1,485,720.056	792,133.551	3,034.69
FAFL4	1,485,724.730	792,131.776	3,034.58
FAFL5	1,485,731.911	792,127.948	3,034.02
FAFL6	1,485,738.458	792,122.994	3,033.44
FAFL7	1,485,742.042	792,119.479	3,033.34
FAFL8	1,485,745.954	792,114.711	3,032.92
FAFS1	1,485,705.232	792,130.282	3,034.71
FAFS2	1,485,710.260	792,130.094	3,034.70
FAFS3	1,485,718.016	792,128.130	3,034.78
FAFS4	1,485,722.690	792,126.355	3,034.71
FAFS5	1,485,728.506	792,122.630	3,034.27
FAFS6	1,485,734.416	792,118.846	3,033.81
FAFS7	1,485,737.986	792,115.344	3,033.76
FAFS8	1,485,741.702	792,110.408	3,033.27
FAFS9	1,485,744.381	792,106.348	3,032.93
FAFS10	1,485,746.032	792,102.705	3,032.63
FAFS11	1,485,747.624	792,099.038	3,032.33
FAFS12	1,485,705.098	792,122.327	3,034.60
FAFS13	1,485,711.087	792,122.695	3,034.65
FAFS14	1,485,716.078	792,122.983	3,034.72
FAFS15	1,485,720.929	792,121.676	3,034.65
FAFS16	1,485,725.679	792,118.632	3,034.22
FAFS17	1,485,730.915	792,115.276	3,033.75
FAFS18	1,485,734.484	792,111.775	3,033.70
FAFS19	1,485,738.047	792,108.162	3,033.30
FAFS20	1,485,739.961	792,104.101	3,032.88
FAFS21	1,485,741.303	792,100.445	3,032.65
FAFS22	1,485,742.753	792,096.604	3,032.38
FATBC1	1,485,703.415	792,135.297	3,035.31
FATBC2	1,485,709.902	792,134.962	3,035.54
FATBC3	1,485,719.777	792,132.810	3,034.71
FATBC4	1,485,724.456	792,131.033	3,034.63
FATBC5	1,485,731.484	792,127.280	3,034.18
FATBC6	1,485,737.918	792,122.415	3,033.46
FATBC7	1,485,741.487	792,118.913	3,033.39
FATBC8	1,485,745.313	792,114.246	3,033.42

LEGEND	
FC	= FRONT OF CURB ELEV.
FL	= FLOW LINE ELEV.
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FS	= FINISHED SURFACE ELEV.
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DETECTABLE WARNING DEVICES

NOTES:

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SW CORNER FOUR MILE DR. & U.S. 93

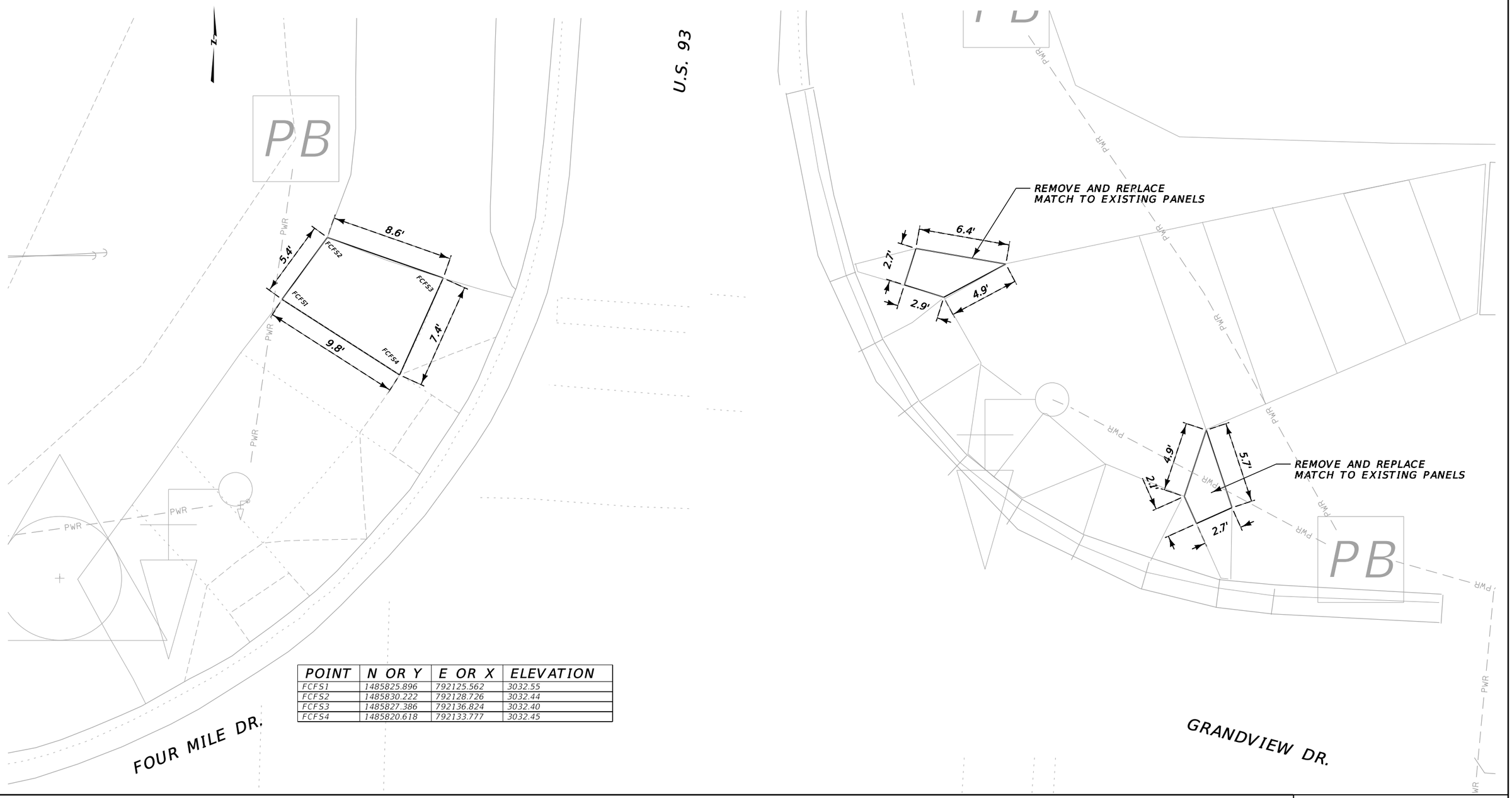
NO SCALE

3 / 1	MDT MONTANA DEPARTMENT OF TRANSPORTATION	C:\DGN\9365000sadet004.dgn	DESIGNED BY	Daniel Birlut	12/2/2019	ROAD PLANS	US 93 NORTH SIGNALS - KALISPELL	CMDP 6799(48)
		9/15/2021	REVIEWED BY	Scott Gerken	12/2/2019			
		2:59:50 PM CPS - U3829	CHECKED BY	Ben Nunnallee	6/16/2021	FLATHEAD COUNTY	UPN 9365000	18

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DETAIL



POINT	N OR Y	E OR X	ELEVATION
FCFS1	1485825.896	792125.562	3032.55
FCFS2	1485830.222	792128.726	3032.44
FCFS3	1485827.386	792136.824	3032.40
FCFS4	1485820.618	792133.777	3032.45

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N CORNER FOUR MILE DR. GRANDVIEW DR. & U.S. 93

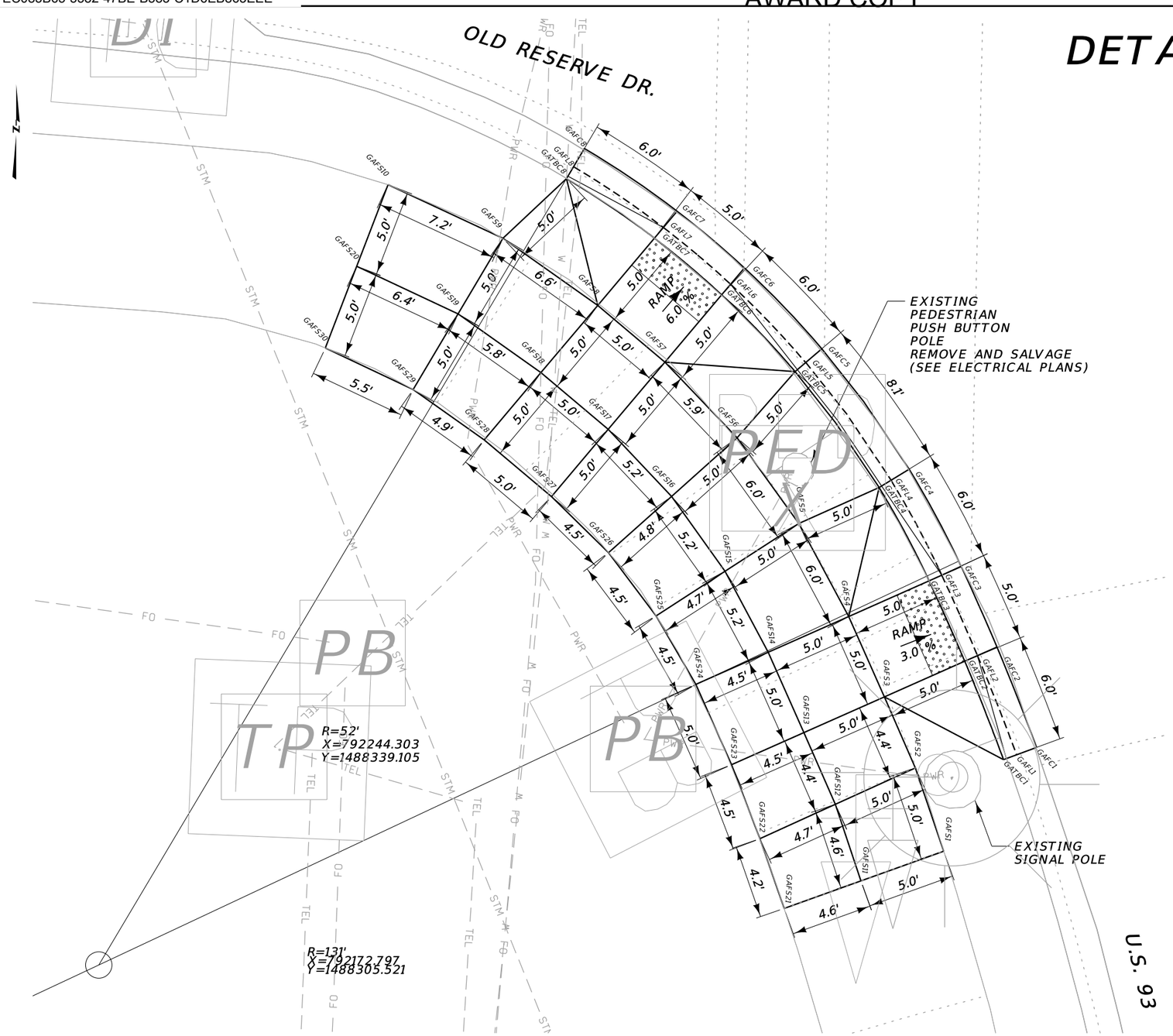
NO SCALE

2	MDT	MONTANA DEPARTMENT OF TRANSPORTATION	C:\DGN\9365000sadet004.dgn	DESIGNED BY	Daniel Birlut	12/2/2019	ROAD PLANS	US 93 NORTH SIGNALS - KALISPELL / CMDP 6799(48)
1			9/15/2021	REVIEWED BY	Scott Gerken	12/2/2019		
			2:59:58 PM CPS - U3829	CHECKED BY	Ben Nunnallee	6/16/2021	FLATHEAD COUNTY	UPN 9365000 / 19

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DETAIL



POINT	N OR Y	E OR X	ELEVATION
G AFC1	1,488,351.471	792,297.607	3,016.96
G AFC2	1,488,357.178	792,295.355	3,017.04
G AFC3	1,488,361.748	792,293.327	3,017.10
G AFC4	1,488,367.286	792,290.367	3,017.19
G AFC5	1,488,374.130	792,285.404	3,017.30
G AFC6	1,488,378.721	792,281.000	3,017.39
G AFC7	1,488,381.945	792,277.178	3,017.46
G AFC8	1,488,385.514	792,271.911	3,017.54
G AFL1	1,488,351.054	792,296.474	3,016.91
G AFL2	1,488,356.688	792,294.251	3,016.99
G AFL3	1,488,361.258	792,292.223	3,017.06
G AFL4	1,488,366.659	792,289.343	3,017.14
G AFL5	1,488,373.351	792,284.491	3,017.26
G AFL6	1,488,377.796	792,280.220	3,017.34
G AFL7	1,488,381.021	792,276.398	3,017.41
G AFL8	1,488,384.476	792,271.294	3,017.49
G AFS1	1,488,345.574	792,292.330	3,017.24
G AFS2	1,488,350.308	792,290.722	3,017.21
G AFS3	1,488,354.339	792,288.958	3,017.19
G AFS4	1,488,358.909	792,286.930	3,017.26
G AFS5	1,488,364.197	792,284.095	3,017.45
G AFS6	1,488,369.066	792,280.588	3,017.66
G AFS7	1,488,373.370	792,276.485	3,017.69
G AFS8	1,488,376.594	792,272.663	3,017.76
G AFS9	1,488,380.400	792,267.278	3,017.97
G AFS10	1,488,383.451	792,260.745	3,018.15
G AFS11	1,488,343.885	792,287.624	3,017.45
G AFS12	1,488,348.236	792,286.172	3,017.29
G AFS13	1,488,352.311	792,284.388	3,017.25
G AFS14	1,488,356.881	792,282.359	3,017.32
G AFS15	1,488,361.479	792,279.898	3,017.47
G AFS16	1,488,365.736	792,276.858	3,017.67
G AFS17	1,488,369.548	792,273.260	3,017.75
G AFS18	1,488,372.773	792,269.439	3,017.82
G AFS19	1,488,376.104	792,264.727	3,018.02
G AFS20	1,488,378.811	792,258.965	3,018.22
G AFS21	1,488,342.321	792,283.263	3,017.45
G AFS22	1,488,346.283	792,281.885	3,017.38
G AFS23	1,488,350.477	792,280.278	3,017.33
G AFS24	1,488,355.055	792,278.246	3,017.39
G AFS25	1,488,358.947	792,275.986	3,017.54
G AFS26	1,488,362.541	792,273.279	3,017.68
G AFS27	1,488,365.727	792,270.036	3,017.83
G AFS28	1,488,368.951	792,266.214	3,017.90
G AFS29	1,488,371.811	792,262.177	3,018.06
G AFS30	1,488,374.172	792,257.184	3,018.30
G ATBC1	1,488,350.780	792,295.730	3,017.41
G ATBC2	1,488,356.367	792,293.528	3,017.04
G ATBC3	1,488,360.937	792,291.500	3,017.11
G ATBC4	1,488,366.242	792,288.661	3,017.64
G ATBC5	1,488,372.807	792,283.860	3,017.76
G ATBC6	1,488,377.167	792,279.688	3,017.39
G ATBC7	1,488,380.415	792,275.888	3,017.46
G ATBC8	1,488,383.795	792,270.889	3,017.99

LEGEND

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DETECTABLE WARNING DEVICES

NOTES:

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SW CORNER OLD RESERVE DR. & U.S. 93

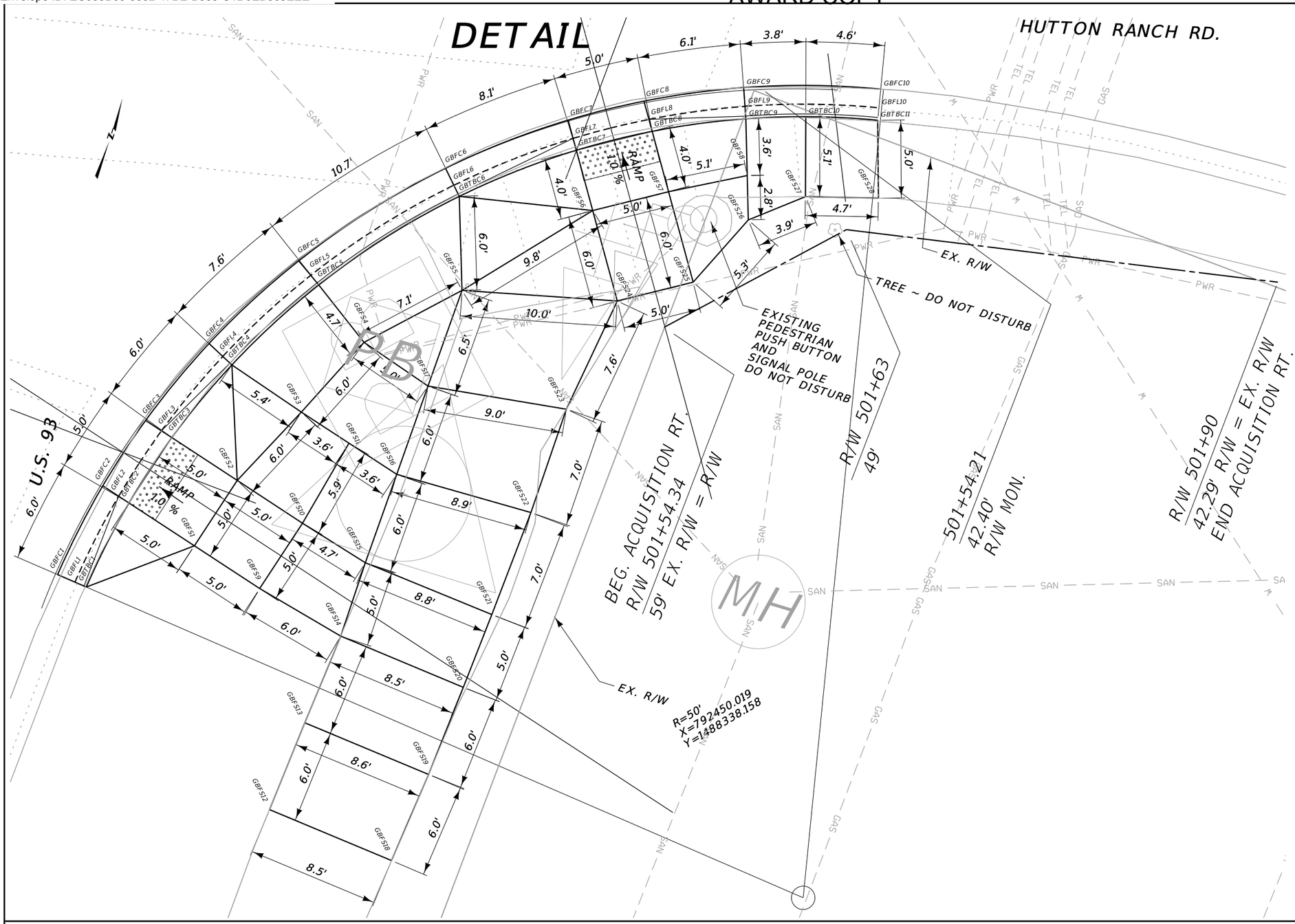
NO SCALE

3	MDT MONTANA DEPARTMENT OF TRANSPORTATION	C:\DGN\9365000sadet005.dgn	DESIGNED BY	Daniel Birlut	12/2/2019	ROAD PLANS	US 93 NORTH SIGNALS - KALISPELL / CMDP 6799(48)
2		9/15/2021	REVIEWED BY	Scott Gerken	12/2/2019		
		3:00:16 PM CPS - U3829	CHECKED BY	Ben Nunnallee	6/16/2021	FLATHEAD COUNTY	UPN 9365000 / 20

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AWARD COPY

DETAIL



POINT	N OR Y	E OR X	ELEVATION
GBFC1	1,488,343.958	792,398.344	3,015.95
GBFC2	1,488,350.241	792,399.442	3,015.89
GBFC3	1,488,355.042	792,400.837	3,015.82
GBFC4	1,488,360.937	792,403.274	3,015.74
GBFC5	1,488,367.679	792,407.217	3,015.63
GBFC6	1,488,376.098	792,414.459	3,015.48
GBFC7	1,488,381.345	792,421.055	3,015.37
GBFC8	1,488,383.928	792,425.338	3,015.29
GBFC9	1,488,386.626	792,431.181	3,015.16
GBFC10	1,488,389.104	792,439.600	3,014.94
GBFL1	1,488,343.823	792,399.544	3,015.91
GBFL2	1,488,349.904	792,400.604	3,015.84
GBFL3	1,488,354.705	792,401.998	3,015.77
GBFL4	1,488,360.408	792,404.360	3,015.69
GBFL5	1,488,367.017	792,408.218	3,015.58
GBFL6	1,488,375.217	792,415.285	3,015.43
GBFL7	1,488,380.323	792,421.700	3,015.32
GBFL8	1,488,382.903	792,425.984	3,015.24
GBFL9	1,488,385.507	792,431.615	3,015.11
GBFL10	1,488,387.928	792,439.840	3,014.89
GBFS1	1,488,348.288	792,406.166	3,015.94
GBFS2	1,488,353.090	792,407.560	3,015.87
GBFS3	1,488,358.474	792,410.208	3,015.69
GBFS4	1,488,363.916	792,412.735	3,015.76
GBFS5	1,488,368.938	792,417.757	3,015.53
GBFS6	1,488,376.270	792,424.256	3,015.41
GBFS7	1,488,378.849	792,428.540	3,015.33
GBFS8	1,488,381.309	792,433.055	3,015.55
GBFS9	1,488,346.894	792,410.968	3,015.88
GBFS10	1,488,351.696	792,412.362	3,015.81
GBFS11	1,488,357.462	792,413.707	3,015.64
GBFS12	1,488,333.553	792,415.712	3,014.78
GBFS13	1,488,339.529	792,416.246	3,015.08
GBFS14	1,488,345.502	792,416.814	3,015.51
GBFS15	1,488,350.456	792,416.944	3,015.52
GBFS16	1,488,356.449	792,417.206	3,015.58
GBFS17	1,488,362.443	792,417.469	3,015.46
GBFS18	1,488,332.720	792,424.137	3,014.61
GBFS19	1,488,338.685	792,424.784	3,014.94
GBFS20	1,488,344.666	792,425.273	3,015.39
GBFS21	1,488,349.655	792,425.657	3,015.39
GBFS22	1,488,356.627	792,426.136	3,015.45
GBFS23	1,488,363.623	792,426.369	3,015.31
GBFS24	1,488,371.195	792,427.456	3,015.35
GBFS25	1,488,373.774	792,431.741	3,015.27
GBFS26	1,488,378.616	792,433.951	3,015.51
GBFS27	1,488,381.108	792,437.010	3,015.43
GBFS28	1,488,382.388	792,441.499	3,015.29
GBTBC1	1,488,343.735	792,400.331	3,016.41
GBTBC2	1,488,349.683	792,401.364	3,015.89
GBTBC3	1,488,354.484	792,402.759	3,015.82
GBTBC4	1,488,360.066	792,405.060	3,016.19
GBTBC5	1,488,366.576	792,408.885	3,016.09
GBTBC6	1,488,374.642	792,415.840	3,015.93
GBTBC7	1,488,379.654	792,422.122	3,015.37
GBTBC8	1,488,382.233	792,426.407	3,015.29
GBTBC9	1,488,384.758	792,431.907	3,015.61
GBTBC10	1,488,386.008	792,435.526	3,015.52
GBTBC11	1,488,387.144	792,440.001	3,015.40

LEGEND

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DETECTABLE WARNING DEVICES

NOTES:

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SE CORNER HUTTON RANCH RD. & U.S. 93

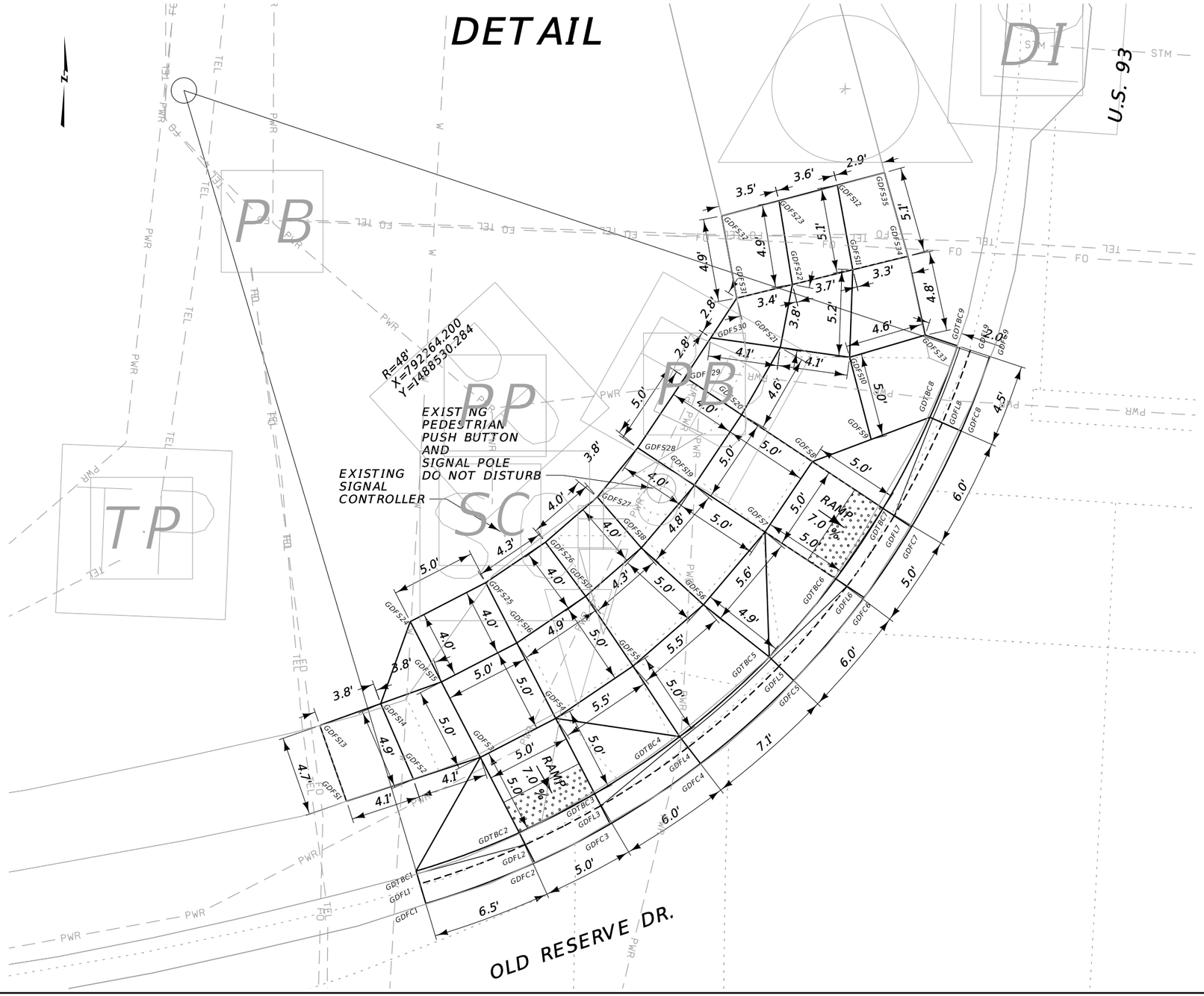
NO SCALE

3 / 1	MDT MONTANA DEPARTMENT OF TRANSPORTATION	C:\DGN\9365000sadet005.dgn	DESIGNED BY Daniel Birlut	12/2/2019	ROAD PLANS	US 93 NORTH SIGNALS - KALISPELL	CMDP 6799(48)
		9/15/2021	REVIEWED BY Scott Gerken	12/2/2019			
		3:00:23 PM CPS - U3825	CHECKED BY Ben Nunnallee	6/16/2021	FLATHEAD COUNTY	UPN 9365000	21

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DETAIL



POINT	N OR Y	E OR X	ELEVATION
G DFC 1	1,488,482.359	792,278.454	3,017.38
G DFC 2	1,488,484.759	792,284.875	3,017.33
G DFC 3	1,488,487.051	792,289.318	3,017.30
G DFC 4	1,488,490.612	792,294.632	3,017.25
G DFC 5	1,488,495.509	792,300.126	3,017.20
G DFC 6	1,488,500.393	792,304.282	3,017.18
G DFC 7	1,488,504.546	792,307.067	3,017.17
G DFC 8	1,488,510.213	792,309.995	3,017.15
G DFC 9	1,488,514.606	792,311.678	3,017.13
G DFL1	1,488,483.517	792,278.109	3,017.33
G DFL2	1,488,485.834	792,284.321	3,017.28
G DFL3	1,488,488.126	792,288.764	3,017.25
G DFL4	1,488,491.570	792,293.897	3,017.20
G DFL5	1,488,496.344	792,299.264	3,017.16
G DFL6	1,488,501.061	792,303.273	3,017.14
G DFL7	1,488,505.214	792,306.058	3,017.12
G DFL8	1,488,510.695	792,308.895	3,017.10
G DFL9	1,488,514.982	792,310.539	3,017.08
G DFS1	1,488,488.395	792,273.779	3,018.02
G DFS2	1,488,489.688	792,277.722	3,017.85
G DFS3	1,488,490.981	792,281.665	3,017.68
G DFS4	1,488,493.274	792,286.109	3,017.65
G DFS5	1,488,496.362	792,290.660	3,017.61
G DFS6	1,488,499.969	792,294.812	3,017.57
G DFS7	1,488,504.259	792,298.443	3,017.54
G DFS8	1,488,508.411	792,301.229	3,017.52
G DFS9	1,488,509.713	792,304.696	3,017.52
G DFS10	1,488,514.561	792,303.430	3,017.73
G DFS11	1,488,519.719	792,303.614	3,017.95
G DFS12	1,488,524.703	792,302.705	3,018.25
G DFS13	1,488,492.857	792,272.216	3,018.08
G DFS14	1,488,494.141	792,275.794	3,017.91
G DFS15	1,488,495.425	792,279.373	3,017.76
G DFS16	1,488,497.718	792,283.816	3,017.72
G DFS17	1,488,500.470	792,287.873	3,017.68
G DFS18	1,488,503.322	792,291.156	3,017.64
G DFS19	1,488,507.014	792,294.281	3,017.61
G DFS20	1,488,511.171	792,297.060	3,017.59
G DFS21	1,488,515.135	792,299.340	3,017.79
G DFS22	1,488,518.847	792,300.060	3,018.01
G DFS23	1,488,523.786	792,299.269	3,018.37
G DFS24	1,488,498.980	792,277.539	3,017.82
G DFS25	1,488,501.272	792,281.983	3,017.77
G DFS26	1,488,503.660	792,285.502	3,017.74
G DFS27	1,488,506.314	792,288.557	3,017.71
G DFS28	1,488,509.227	792,290.938	3,017.68
G DFS29	1,488,513.379	792,293.724	3,017.65
G DFS30	1,488,515.710	792,295.250	3,017.86
G DFS31	1,488,518.041	792,296.775	3,018.07
G DFS32	1,488,522.884	792,295.885	3,018.45
G DFS33	1,488,515.860	792,307.880	3,017.67
G DFS34	1,488,520.517	792,306.862	3,017.90
G DFS35	1,488,525.442	792,305.478	3,018.14
G DTBC 1	1,488,484.276	792,277.884	3,017.83
G DTBC 2	1,488,486.538	792,283.957	3,017.33
G DTBC 3	1,488,488.830	792,288.401	3,017.30
G DTBC 4	1,488,492.199	792,293.415	3,017.71
G DTBC 5	1,488,496.900	792,298.689	3,017.66
G DTBC 6	1,488,501.499	792,302.612	3,017.19
G DTBC 7	1,488,505.612	792,305.375	3,017.17
G DTBC 8	1,488,511.016	792,308.163	3,017.60
G DTBC 9	1,488,515.233	792,309.779	3,017.59

LEGEND

FC = FRONT OF CURB ELEV.
FL = FLOW LINE ELEV.
TBC = TOP BACK OF CURB ELEV.
FS = FINISHED SURFACE ELEV.
TRW = TOP OF RETAINING WALL ELEV.
DI = DROP INLET
SD = SLOTTED DRAIN

DETECTABLE WARNING DEVICES

NOTES:

PROVIDE DETECTABLE WARNING DEVICES ON THE BOTTOM 2.0 FEET OF EACH RAMP AS SHOWN. SEE DTL. DWG. NO. 608-40 FOR DETECTABLE WARNING DEVICES DETAILS.

ALL DIMENSIONS AND ELEVATIONS ARE FEET UNLESS OTHERWISE NOTED.

ALL CURB AND GUTTER DIMENSIONS ARE ALONG TBC.

CONTRACTOR VERIFY ELEVATIONS IN THE FIELD PRIOR TO CONSTRUCTION.

MATCH EXISTING ELEVATIONS AT ALL JOINTS BETWEEN NEW AND EXISTING CONCRETE.

ELEVATIONS SHOWN AT MATCH LINE LOCATIONS ARE APPROXIMATE.

SEE DETAILED DRAWINGS FOR STANDARD SIDEWALK, CURB & GUTTER AND RETAINING WALL DETAILS.

AN ELECTRONIC CSV FILE WITH THE P.C.C.P. JOINT COORDINATE DATA WILL BE PROVIDED UPON REQUEST

NW CORNER OLD RESERVE DR. & U.S. 93

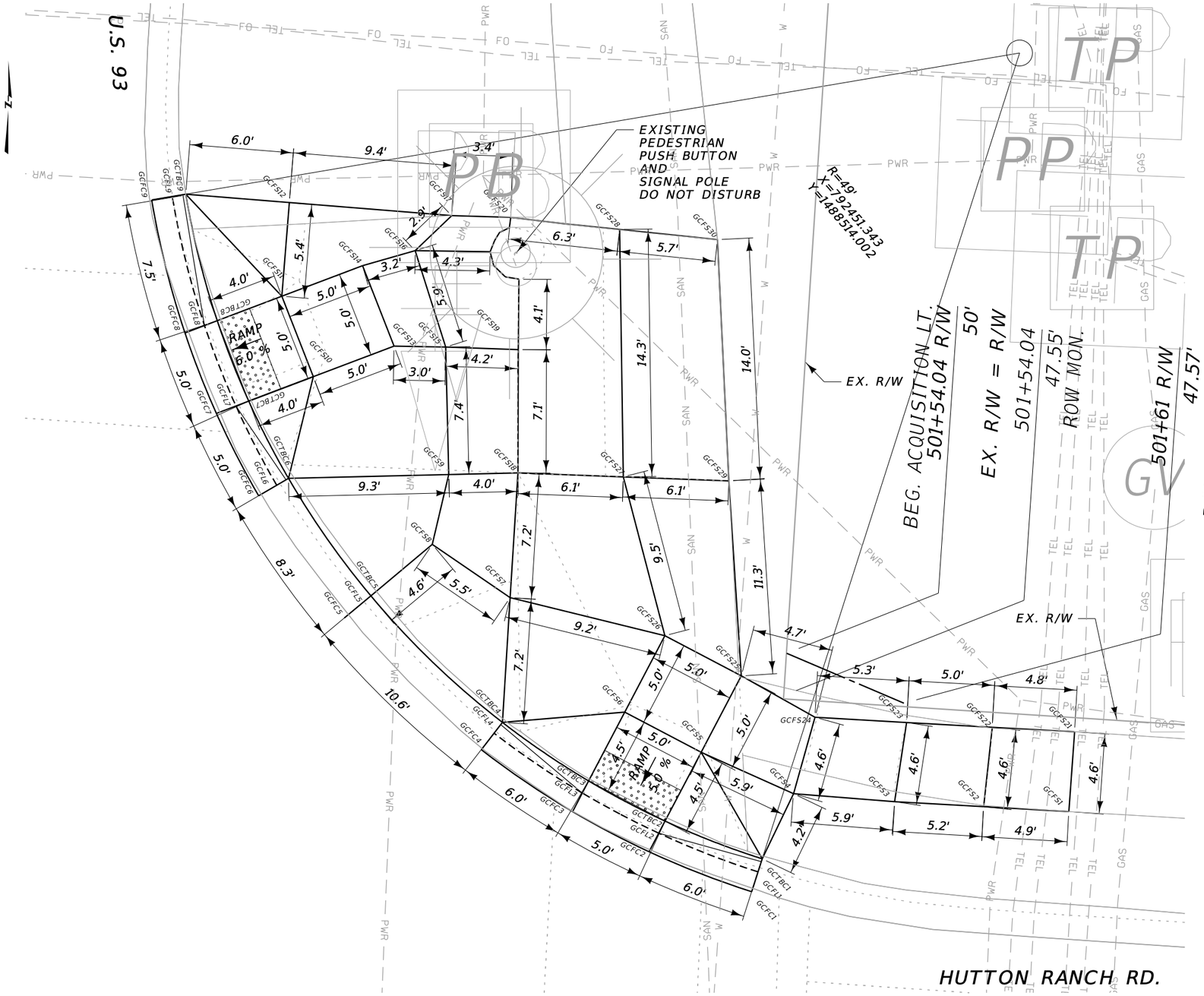
NO SCALE

2	MDT MONTANA DEPARTMENT OF TRANSPORTATION	C:\DGN\9365000sadet005.dgn	DESIGNED BY	Daniel Birlut	12/2/2019	ROAD PLANS	US 93 NORTH SIGNALS - KALISPELL / CMDP 6799(48)
1		9/15/2021	REVIEWED BY	Scott Gerken	12/2/2019	FLATHEAD COUNTY	UPN 9365000 / 22
		3:00:31 PM CPS - U3825	CHECKED BY	Ben Nunnallee	6/16/2021		

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AWARD COPY

DETAIL



POINT	N OR Y	E OR X	ELEVATION
GCFC1	1,488,465.421	792,435.821	3,015.18
GCFC2	1,488,467.742	792,429.872	3,015.40
GCFC3	1,488,470.067	792,425.445	3,015.50
GCFC4	1,488,473.649	792,420.156	3,015.62
GCFC5	1,488,481.279	792,412.225	3,016.08
GCFC6	1,488,488.359	792,407.259	3,016.33
GCFC7	1,488,493.136	792,404.835	3,016.41
GCFC8	1,488,497.786	792,402.995	3,016.48
GCFC9	1,488,505.488	792,401.059	3,016.77
GCFL1	1,488,466.572	792,436.189	3,015.13
GCFL2	1,488,468.757	792,430.554	3,015.35
GCFL3	1,488,471.115	792,426.045	3,015.45
GCFL4	1,488,474.604	792,420.895	3,015.57
GCFL5	1,488,482.062	792,413.161	3,016.04
GCFL6	1,488,488.966	792,408.303	3,016.27
GCFL7	1,488,493.545	792,405.950	3,016.35
GCFL8	1,488,498.215	792,404.120	3,016.43
GCFL9	1,488,505.689	792,402.250	3,016.73
GCFS1	1,488,470.063	792,454.198	3,015.17
GCFS2	1,488,470.346	792,449.261	3,015.30
GCFS3	1,488,470.640	792,444.103	3,015.44
GCFS4	1,488,471.100	792,438.244	3,015.57
GCFS5	1,488,473.498	792,432.894	3,015.67
GCFS6	1,488,475.823	792,428.468	3,015.73
GCFS7	1,488,482.455	792,421.829	3,015.96
GCFS8	1,488,485.536	792,417.319	3,016.27
GCFS9	1,488,489.584	792,418.272	3,016.38
GCFS10	1,488,495.258	792,410.423	3,016.65
GCFS11	1,488,499.914	792,408.600	3,016.73
GCFS12	1,488,505.338	792,409.037	3,016.93
GCFS13	1,488,497.030	792,415.098	3,016.60
GCFS14	1,488,501.689	792,413.275	3,016.68
GCFS15	1,488,496.969	792,418.097	3,016.46
GCFS16	1,488,502.556	792,416.324	3,016.55
GCFS17	1,488,504.580	792,418.445	3,016.46
GCFS18	1,488,489.679	792,422.278	3,016.21
GCFS19	1,488,496.825	792,422.295	3,016.26
GCFS20	1,488,504.479	792,421.867	3,016.40
GCFS21	1,488,474.687	792,454.530	3,015.24
GCFS22	1,488,474.948	792,449.762	3,015.38
GCFS23	1,488,475.220	792,444.798	3,015.51
GCFS24	1,488,475.529	792,439.488	3,015.65
GCFS25	1,488,477.925	792,435.219	3,015.75
GCFS26	1,488,480.250	792,430.792	3,015.81
GCFS27	1,488,489.450	792,428.388	3,016.10
GCFS28	1,488,503.780	792,428.167	3,016.19
GCFS29	1,488,489.220	792,434.497	3,015.99
GCFS30	1,488,503.196	792,433.840	3,016.08
GCTBC1	1,488,467.327	792,436.430	3,015.63
GCTBC2	1,488,469.514	792,430.802	3,015.40
GCTBC3	1,488,471.816	792,426.414	3,015.50
GCTBC4	1,488,475.231	792,421.379	3,016.07
GCTBC5	1,488,482.572	792,413.771	3,016.54
GCTBC6	1,488,489.364	792,408.987	3,016.77
GCTBC7	1,488,493.838	792,406.683	3,016.41
GCTBC8	1,488,498.494	792,404.861	3,016.49
GCTBC9	1,488,505.822	792,403.031	3,017.23

LEGEND

FC = FRONT OF CURB ELEV.
FL = FLOW LINE ELEV.
TBC = TOP BACK OF CURB ELEV.
FS = FINISHED SURFACE ELEV.
TRW = TOP OF RETAINING WALL ELEV.
DI = DROP INLET
SD = SLOTTED DRAIN

DETECTABLE WARNING DEVICES

NOTES:

PROVIDE DETECTABLE WARNING DEVICES ON THE BOTTOM 2.0 FEET OF EACH RAMP AS SHOWN. SEE DTL. DWG. NO. 608-40 FOR DETECTABLE WARNING DEVICES DETAILS.

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NE CORNER HUTTON RANCH RD. & U.S. 93

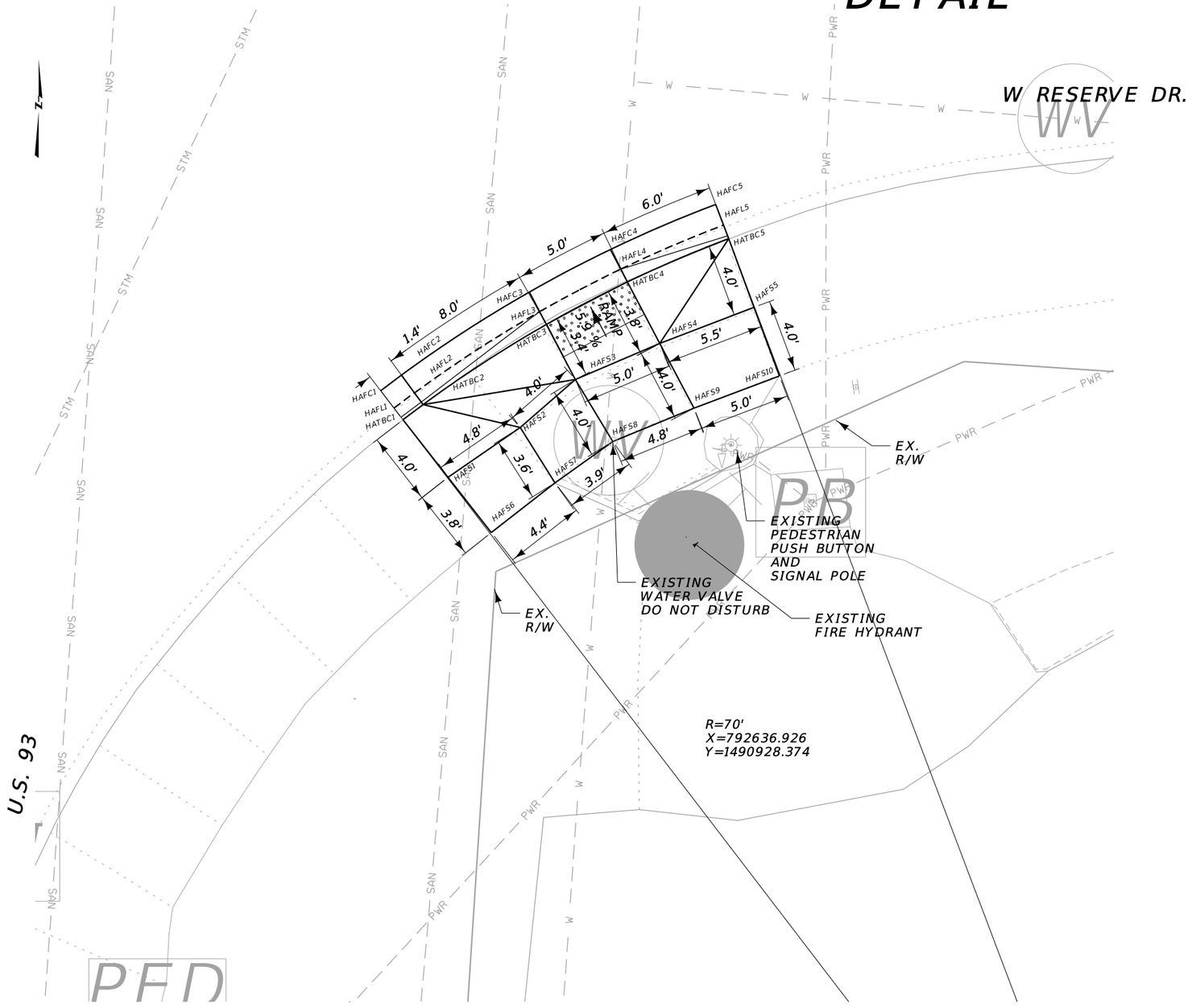
NO SCALE

3	MDT MONTANA DEPARTMENT OF TRANSPORTATION	C:\DGN\9365000sadet006.dgn	DESIGNED BY	Daniel Birlut	12/2/2019	ROAD PLANS	US 93 NORTH SIGNALS - KALISPELL / CMDP 6799(48)
2		9/15/2021	REVIEWED BY	Scott Gerken	12/2/2019		UPN 9365000 / 23
		3:00:50 PM CPS – U3829	CHECKED BY	Ben Nunnallee	6/16/2021	FLATHEAD COUNTY	

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DETAIL



POINT	N OR Y	E OR X	ELEVATION
HAFC1	1,490,985.543	792,593.157	3,017.26
HAFC2	1,490,986.395	792,594.293	3,017.21
HAFC3	1,490,990.931	792,601.280	3,016.93
HAFC4	1,490,993.254	792,605.708	3,016.86
HAFC5	1,490,995.723	792,611.467	3,016.64
HAFL1	1,490,984.590	792,593.887	3,017.22
HAFL2	1,490,985.428	792,595.003	3,017.17
HAFL3	1,490,989.862	792,601.844	3,016.88
HAFL4	1,490,992.185	792,606.271	3,016.81
HAFL5	1,490,994.593	792,611.894	3,016.59
HAFS1	1,490,980.803	792,596.836	3,017.74
HAFS2	1,490,983.527	792,600.780	3,017.39
HAFS3	1,490,986.154	792,603.797	3,017.14
HAFS4	1,490,988.123	792,608.411	3,017.08
HAFS5	1,490,990.100	792,613.561	3,017.14
HAFS6	1,490,977.788	792,599.204	3,017.79
HAFS7	1,490,980.505	792,602.679	3,017.45
HAFS8	1,490,982.764	792,605.843	3,017.18
HAFS9	1,490,984.578	792,610.276	3,017.13
HAFS10	1,490,986.349	792,614.950	3,017.20
HATBC1	1,490,983.955	792,594.373	3,017.66
HATBC2	1,490,984.783	792,595.477	3,017.67
HATBC3	1,490,989.162	792,602.213	3,016.93
HATBC4	1,490,991.485	792,606.640	3,016.86
HATBC5	1,490,993.852	792,612.175	3,017.09

LEGEND	
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FL	= FLOW LINE ELEV.
TBC	= TOP BACK OF CURB ELEV.
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DETECTABLE WARNING DEVICES

NOTES:

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SE CORNER W RESERVE DR. & U.S. 93

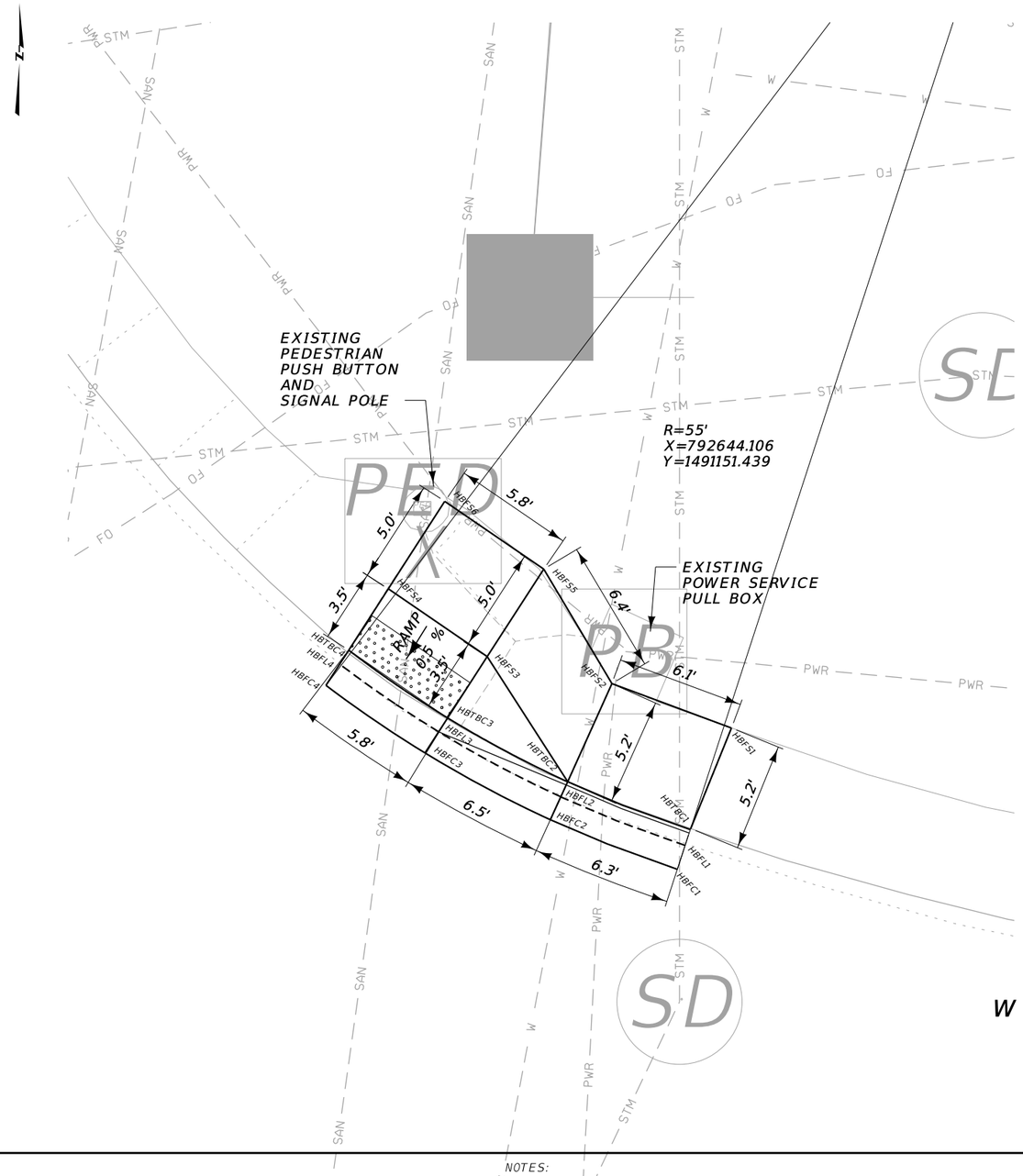
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DETAIL

U.S. 93



W RESERVE DR.

POINT	N OR Y	E OR X	ELEVATION
HBFC1	1,491,097.239	792,626.463	3,014.54
HBFC2	1,491,099.617	792,620.368	3,014.61
HBFC3	1,491,102.819	792,614.356	3,014.67
HBFC4	1,491,106.065	792,609.608	3,014.73
HBFL1	1,491,098.380	792,626.834	3,014.49
HBFL2	1,491,100.716	792,620.871	3,014.56
HBFL3	1,491,103.834	792,615.012	3,014.63
HBFL4	1,491,107.082	792,610.265	3,014.68
HBFS1	1,491,104.018	792,629.061	3,015.01
HBFS2	1,491,106.135	792,623.358	3,014.99
HBFS3	1,491,107.439	792,617.340	3,014.69
HBFS4	1,491,110.689	792,612.594	3,014.75
HBFS5	1,491,111.639	792,620.052	3,014.76
HBFS6	1,491,114.889	792,615.307	3,014.72
HBTBC1	1,491,099.177	792,627.093	3,014.92
HBTBC2	1,491,101.441	792,621.197	3,015.06
HBTBC3	1,491,104.498	792,615.441	3,014.67
HBTBC4	1,491,107.749	792,610.695	3,014.73

LEGEND

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FL = FLOW LINE ELEV.
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DI = DROP INLET
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DETECTABLE WARNING DEVICES

NOTES:

PROVIDE DETECTABLE WARNING DEVICES ON THE BOTTOM 2.0 FEET OF EACH RAMP AS SHOWN. SEE DTL. DWG. NO. 608-40 FOR DETECTABLE WARNING DEVICES DETAILS.

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NE CORNER W RESERVE DR. & U.S. 93

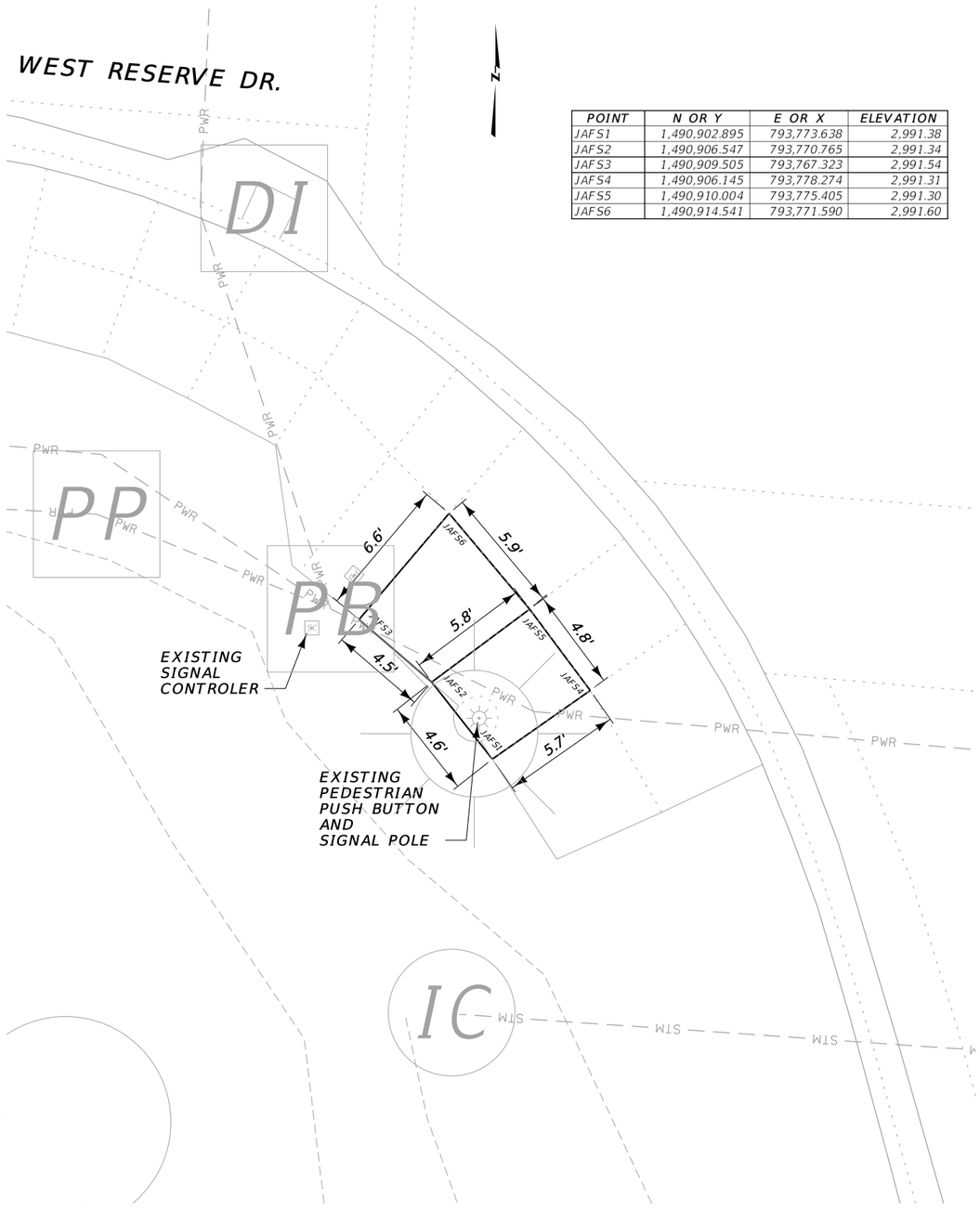
NO SCALE

2	MDT MONTANA DEPARTMENT OF TRANSPORTATION	C:\DGN\9365000sadet006.dgn	DESIGNED BY	Daniel Birlut	12/2/2019	ROAD PLANS	US 93 NORTH SIGNALS - KALISPELL	CMDP 6799(48)
1		9/15/2021	REVIEWED BY	Scott Gerken	12/2/2019	FLATHEAD COUNTY	UPN 9365000	25
		3:01:03 PM CPS - U3829	CHECKED BY	Ben Nunnallee	6/16/2021			

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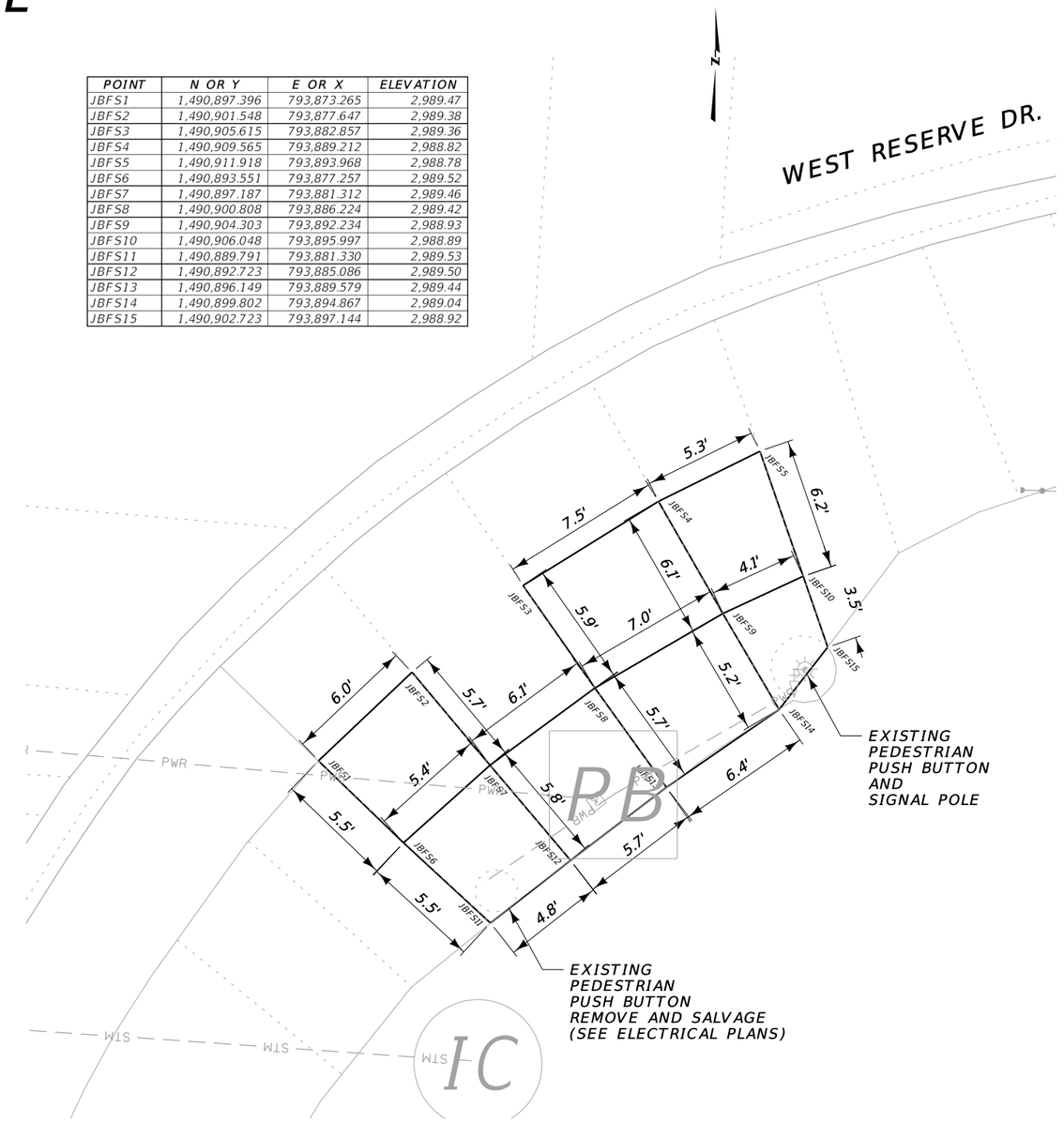
DETAIL

POINT	N OR Y	E OR X	ELEVATION
JAFS1	1,490,902.895	793,773.638	2,991.38
JAFS2	1,490,906.547	793,770.765	2,991.34
JAFS3	1,490,909.505	793,767.323	2,991.54
JAFS4	1,490,906.145	793,778.274	2,991.31
JAFS5	1,490,910.004	793,775.405	2,991.30
JAFS6	1,490,914.541	793,771.590	2,991.60



HUTTON RANCH RD.

POINT	N OR Y	E OR X	ELEVATION
JBFS1	1,490,897.396	793,873.265	2,989.47
JBFS2	1,490,901.548	793,877.647	2,989.38
JBFS3	1,490,905.615	793,882.857	2,989.36
JBFS4	1,490,909.565	793,889.212	2,988.82
JBFS5	1,490,911.918	793,893.968	2,988.78
JBFS6	1,490,893.551	793,877.257	2,989.52
JBFS7	1,490,897.187	793,881.312	2,989.46
JBFS8	1,490,900.808	793,886.224	2,989.42
JBFS9	1,490,904.303	793,892.234	2,988.93
JBFS10	1,490,906.048	793,895.997	2,988.89
JBFS11	1,490,889.791	793,881.330	2,989.53
JBFS12	1,490,892.723	793,885.086	2,989.50
JBFS13	1,490,896.149	793,889.579	2,989.44
JBFS14	1,490,899.802	793,894.867	2,989.04
JBFS15	1,490,902.723	793,897.144	2,988.92



LEGEND

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FL	= FLOW LINE ELEV.
TBC	= TOP BACK OF CURB ELEV.
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SD	= SLOTTED DRAIN

DETECTABLE WARNING DEVICES

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SW & SE CORNER WEST RESERVE DR. & HUTTON RANCH RD.

NO SCALE

3	MDT MONTANA DEPARTMENT OF TRANSPORTATION	C:\DGN\9365000sadet007.dgn	DESIGNED BY	Daniel Birlut	12/2/2019	ROAD PLANS	US 93 NORTH SIGNALS - KALISPELL / CMDP 6799(48)
2		9/15/2021	REVIEWED BY	Scott Gerken	12/2/2019		
		3:01:19 PM CPS - U3825	CHECKED BY	Ben Nunnallee	6/16/2021	FLATHEAD COUNTY	UPN 9365000 / 26

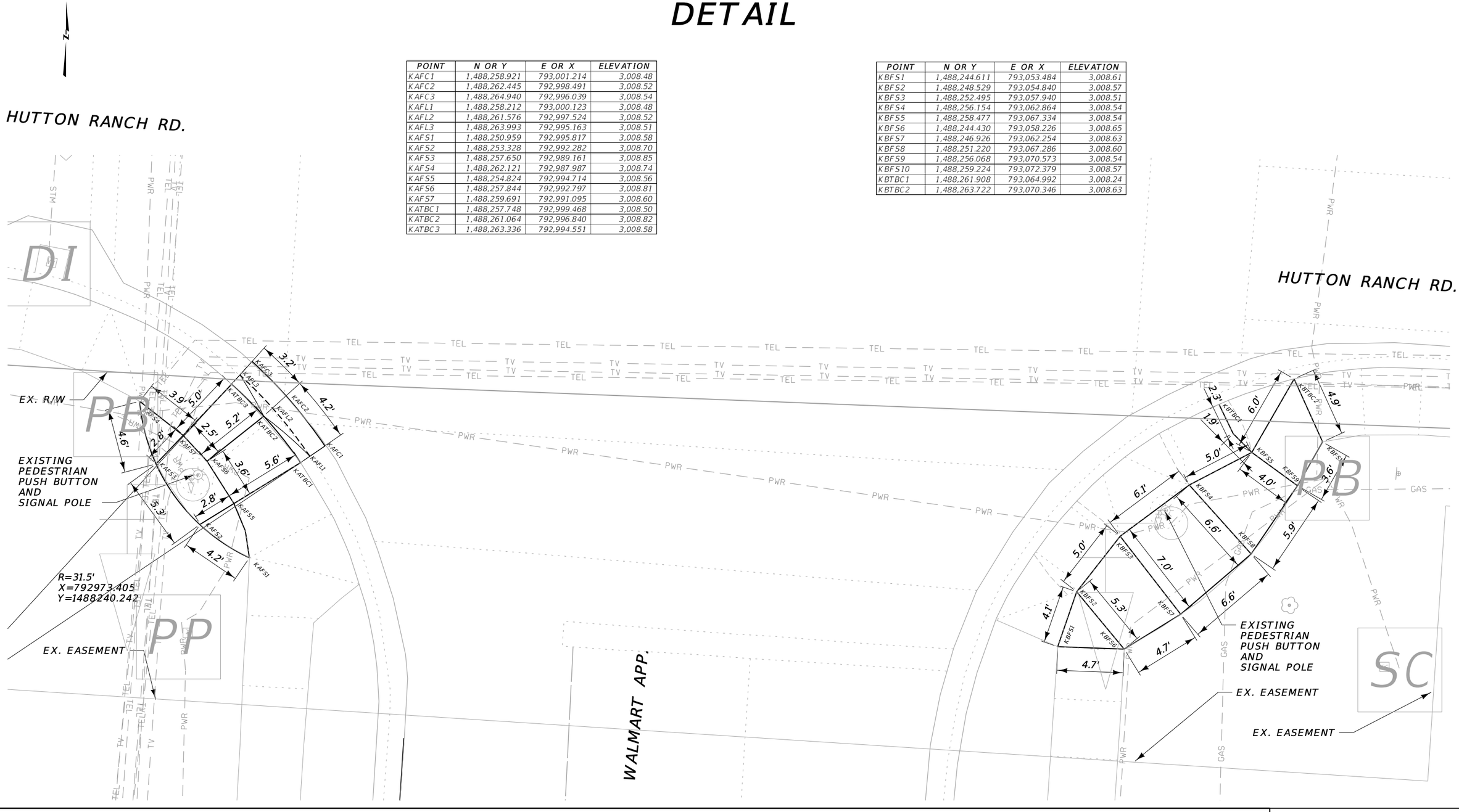
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AWARD COPY

DETAIL

POINT	N OR Y	E OR X	ELEVATION
KAFC1	1,488,258.921	793,001.214	3,008.48
KAFC2	1,488,262.445	792,998.491	3,008.52
KAFC3	1,488,264.940	792,996.039	3,008.54
KAFL1	1,488,258.212	793,000.123	3,008.48
KAFL2	1,488,261.576	792,997.524	3,008.52
KAFL3	1,488,263.993	792,995.163	3,008.51
KAFS1	1,488,250.959	792,995.817	3,008.58
KAFS2	1,488,253.328	792,992.282	3,008.70
KAFS3	1,488,257.650	792,989.161	3,008.85
KAFS4	1,488,262.121	792,987.987	3,008.74
KAFS5	1,488,254.824	792,994.714	3,008.56
KAFS6	1,488,257.844	792,992.797	3,008.81
KAFS7	1,488,259.691	792,991.095	3,008.60
KATBC1	1,488,257.748	792,999.468	3,008.50
KATBC2	1,488,261.064	792,996.840	3,008.82
KATBC3	1,488,263.336	792,994.551	3,008.58

POINT	N OR Y	E OR X	ELEVATION
KBFS1	1,488,244.611	793,053.484	3,008.61
KBFS2	1,488,248.529	793,054.840	3,008.57
KBFS3	1,488,252.495	793,057.940	3,008.51
KBFS4	1,488,256.154	793,062.864	3,008.54
KBFS5	1,488,258.477	793,067.334	3,008.54
KBFS6	1,488,244.430	793,058.226	3,008.65
KBFS7	1,488,246.926	793,062.254	3,008.63
KBFS8	1,488,251.220	793,067.286	3,008.60
KBFS9	1,488,256.068	793,070.573	3,008.54
KBFS10	1,488,259.224	793,072.379	3,008.57
KBTBC1	1,488,261.908	793,064.992	3,008.24
KBTBC2	1,488,263.722	793,070.346	3,008.63



LEGEND

FC	= FRONT OF CURB ELEV.
FL	= FLOW LINE ELEV.
TBC	= TOP BACK OF CURB ELEV.
FS	= FINISHED SURFACE ELEV.
TRW	= TOP OF RETAINING WALL ELEV.
DI	= DROP INLET
SD	= SLOTTED DRAIN

DETECTABLE WARNING DEVICES

NOTES:

PROVIDE DETECTABLE WARNING DEVICES ON THE BOTTOM 2.0 FEET OF EACH RAMP AS SHOWN. SEE DTL. DWG. NO. 608-40 FOR DETECTABLE WARNING DEVICES DETAILS.

ALL DIMENSIONS AND ELEVATIONS ARE FEET UNLESS OTHERWISE NOTED.

ALL CURB AND GUTTER DIMENSIONS ARE ALONG TBC.

CONTRACTOR VERIFY ELEVATIONS IN THE FIELD PRIOR TO CONSTRUCTION.

MATCH EXISTING ELEVATIONS AT ALL JOINTS BETWEEN NEW AND EXISTING CONCRETE.

ELEVATIONS SHOWN AT MATCH LINE LOCATIONS ARE APPROXIMATE.

SEE DETAILED DRAWINGS FOR STANDARD SIDEWALK, CURB & GUTTER AND RETAINING WALL DETAILS.

AN ELECTRONIC CSV FILE WITH THE P.C.C.P. JOINT COORDINATE DATA WILL BE PROVIDED UPON REQUEST

SW & SE CORNER HUTTON RANCH RD. & WALMART APP.

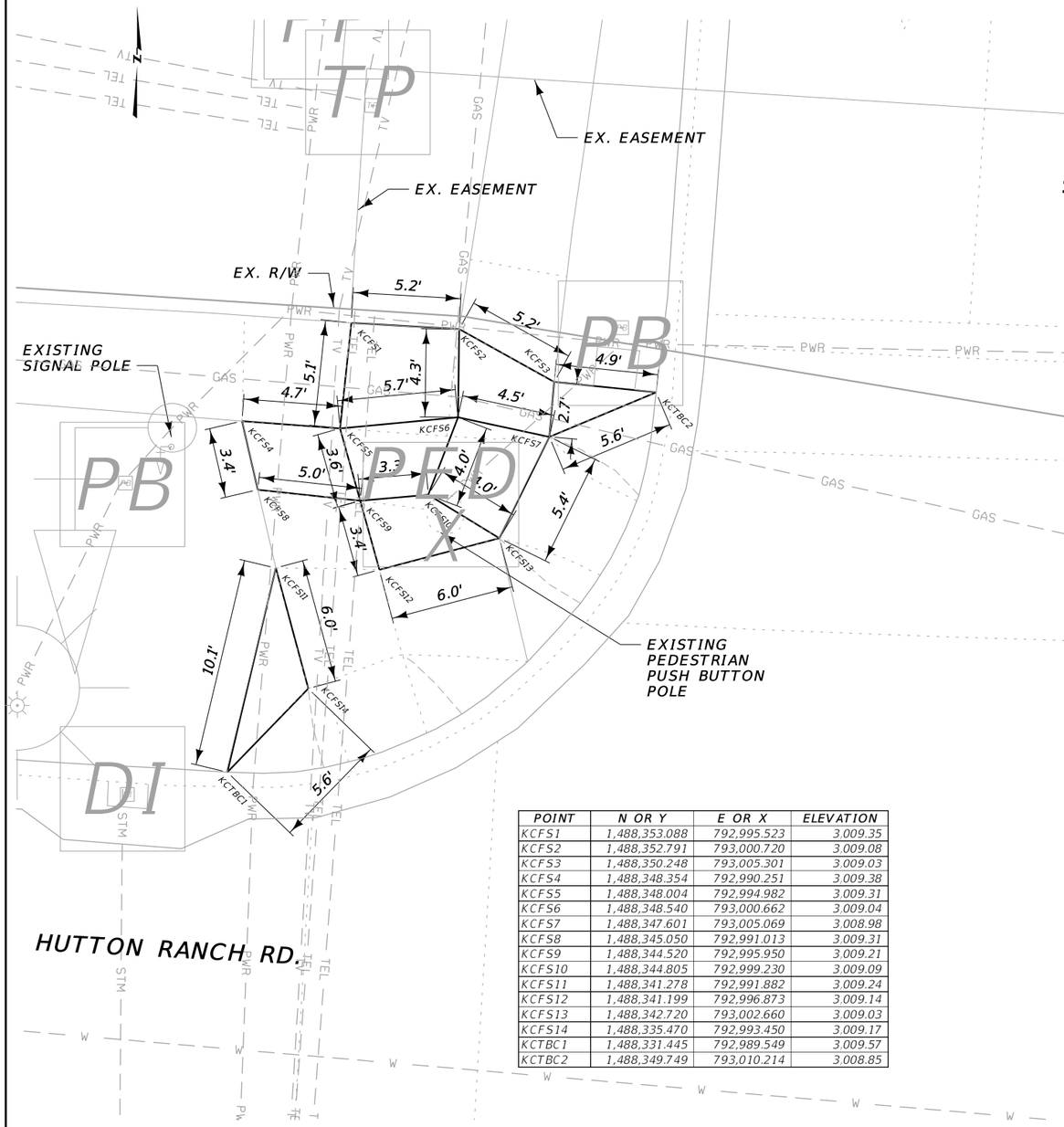
NO SCALE

3 / 1	MDT MONTANA DEPARTMENT OF TRANSPORTATION	C:\DGN\9365000sadet007.dgn	DESIGNED BY	Daniel Birlut	12/2/2019	ROAD PLANS	US 93 NORTH SIGNALS - KALISPELL / CMDP 6799(48)
		9/15/2021	REVIEWED BY	Scott Gerken	12/2/2019		
		3:01:25 PM CPS - U3829	CHECKED BY	Ben Nunnallee	6/16/2021	FLATHEAD COUNTY	UPN 9365000 / 27

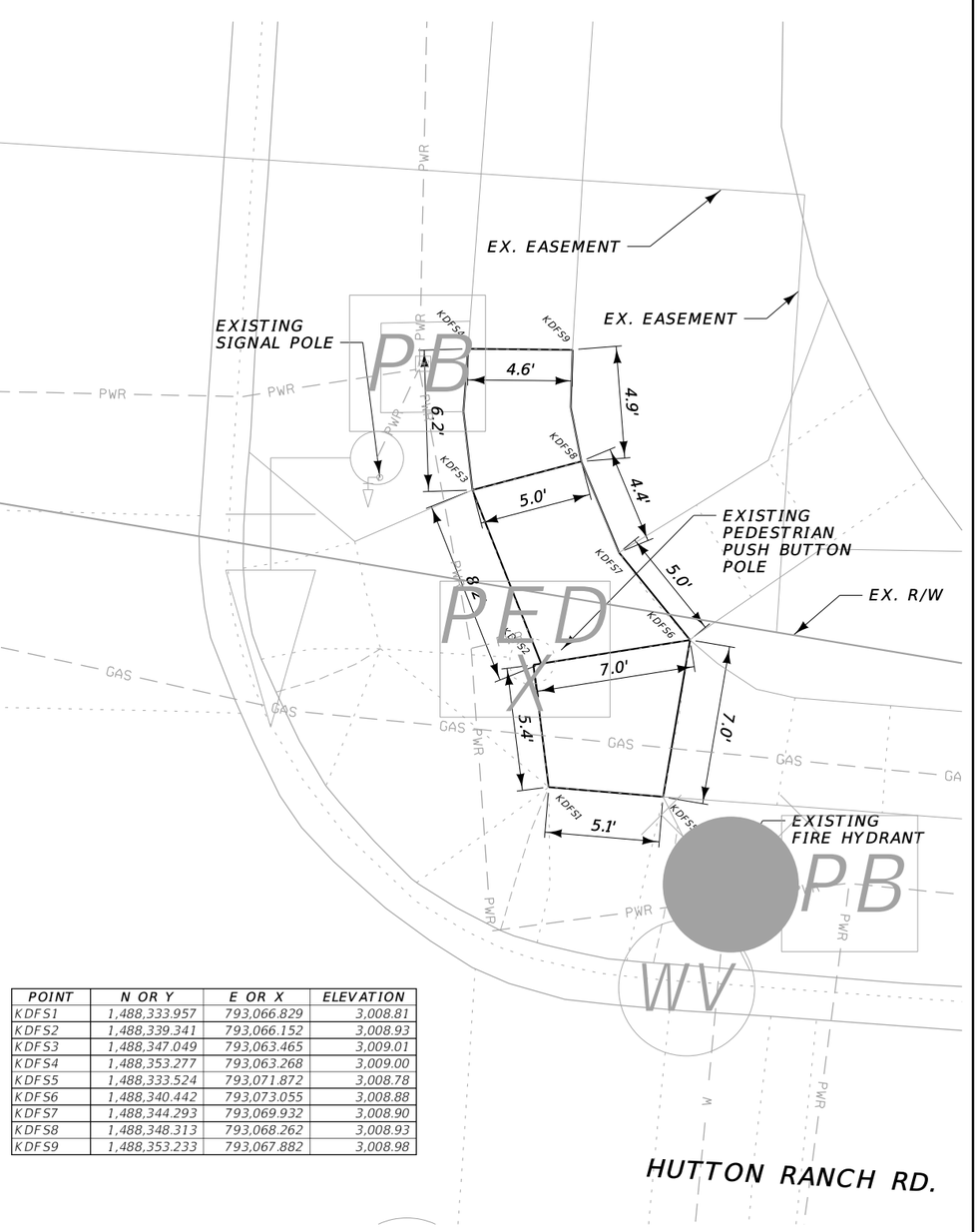
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AWARD COPY

DETAIL



POINT	N OR Y	E OR X	ELEVATION
KCFS1	1,488,353.088	792,995.523	3,009.35
KCFS2	1,488,352.791	793,000.720	3,009.08
KCFS3	1,488,350.248	793,005.301	3,009.03
KCFS4	1,488,348.354	792,990.251	3,009.38
KCFS5	1,488,348.004	792,994.982	3,009.31
KCFS6	1,488,348.540	793,000.662	3,009.04
KCFS7	1,488,347.601	793,005.069	3,008.98
KCFS8	1,488,345.050	792,991.013	3,009.31
KCFS9	1,488,344.520	792,995.950	3,009.21
KCFS10	1,488,344.805	792,999.230	3,009.09
KCFS11	1,488,341.278	792,991.882	3,009.24
KCFS12	1,488,341.199	792,996.873	3,009.14
KCFS13	1,488,342.720	793,002.660	3,009.03
KCFS14	1,488,335.470	792,993.450	3,009.17
KCTBC1	1,488,331.445	792,989.549	3,009.57
KCTBC2	1,488,349.749	793,010.214	3,008.85



POINT	N OR Y	E OR X	ELEVATION
KDFS1	1,488,333.957	793,066.829	3,008.81
KDFS2	1,488,339.341	793,066.152	3,008.93
KDFS3	1,488,347.049	793,063.465	3,009.01
KDFS4	1,488,353.277	793,063.268	3,009.00
KDFS5	1,488,333.524	793,071.872	3,008.78
KDFS6	1,488,340.442	793,073.055	3,008.88
KDFS7	1,488,344.293	793,069.932	3,008.90
KDFS8	1,488,348.313	793,068.262	3,008.93
KDFS9	1,488,353.233	793,067.882	3,008.98

LEGEND

FC = FRONT OF CURB ELEV.
FL = FLOW LINE ELEV.
TBC = TOP BACK OF CURB ELEV.
FS = FINISHED SURFACE ELEV.
TRW = TOP OF RETAINING WALL ELEV.
DI = DROP INLET
SD = SLOTTED DRAIN

DETECTABLE WARNING DEVICES

NOTES:

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AN ELECTRONIC CSV FILE WITH THE P.C.C.P. JOINT COORDINATE DATA WILL BE PROVIDED UPON REQUEST

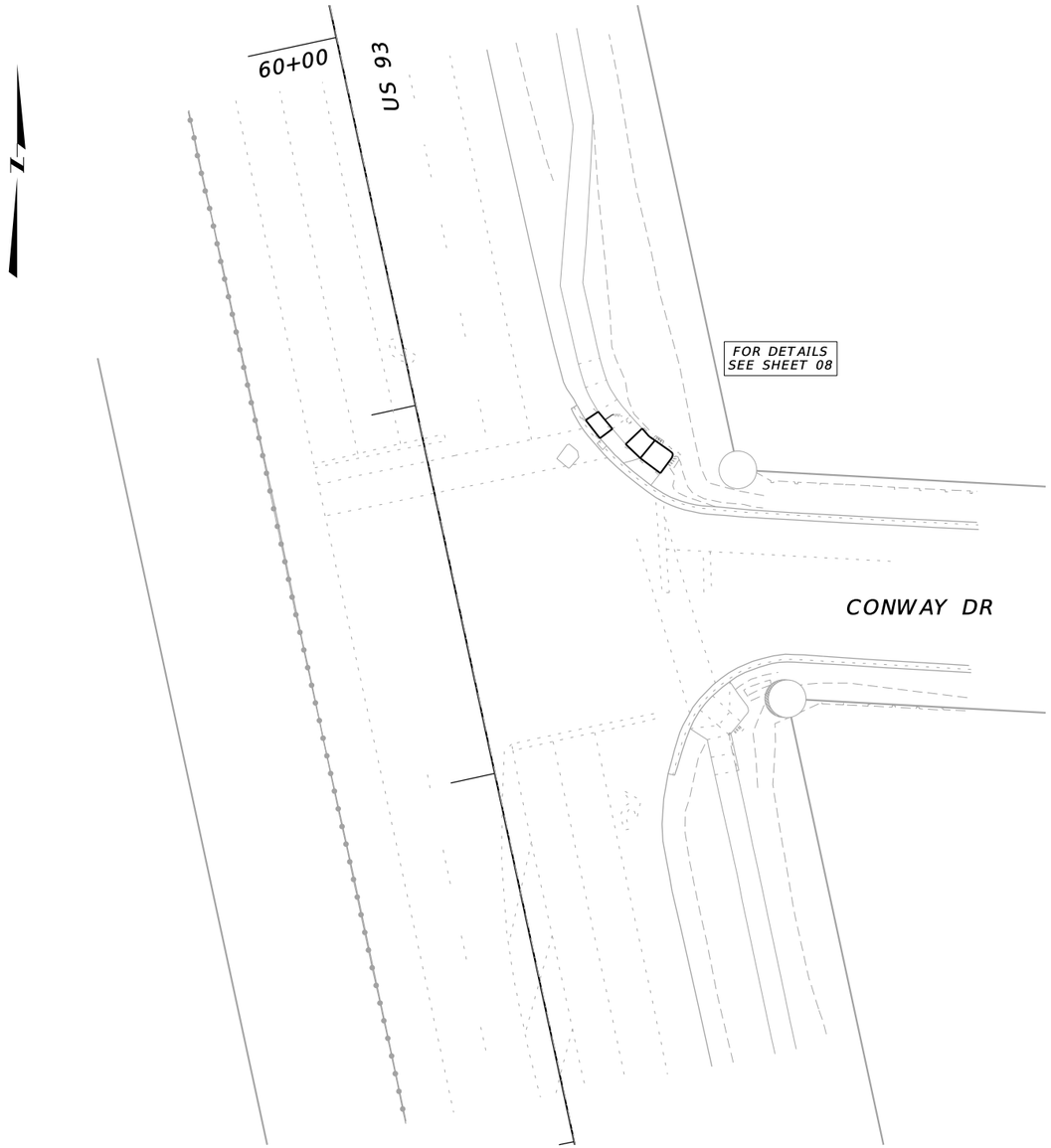
NW & NE CORNER HUTTON RANCH RD. & WALMART APP.

NO SCALE

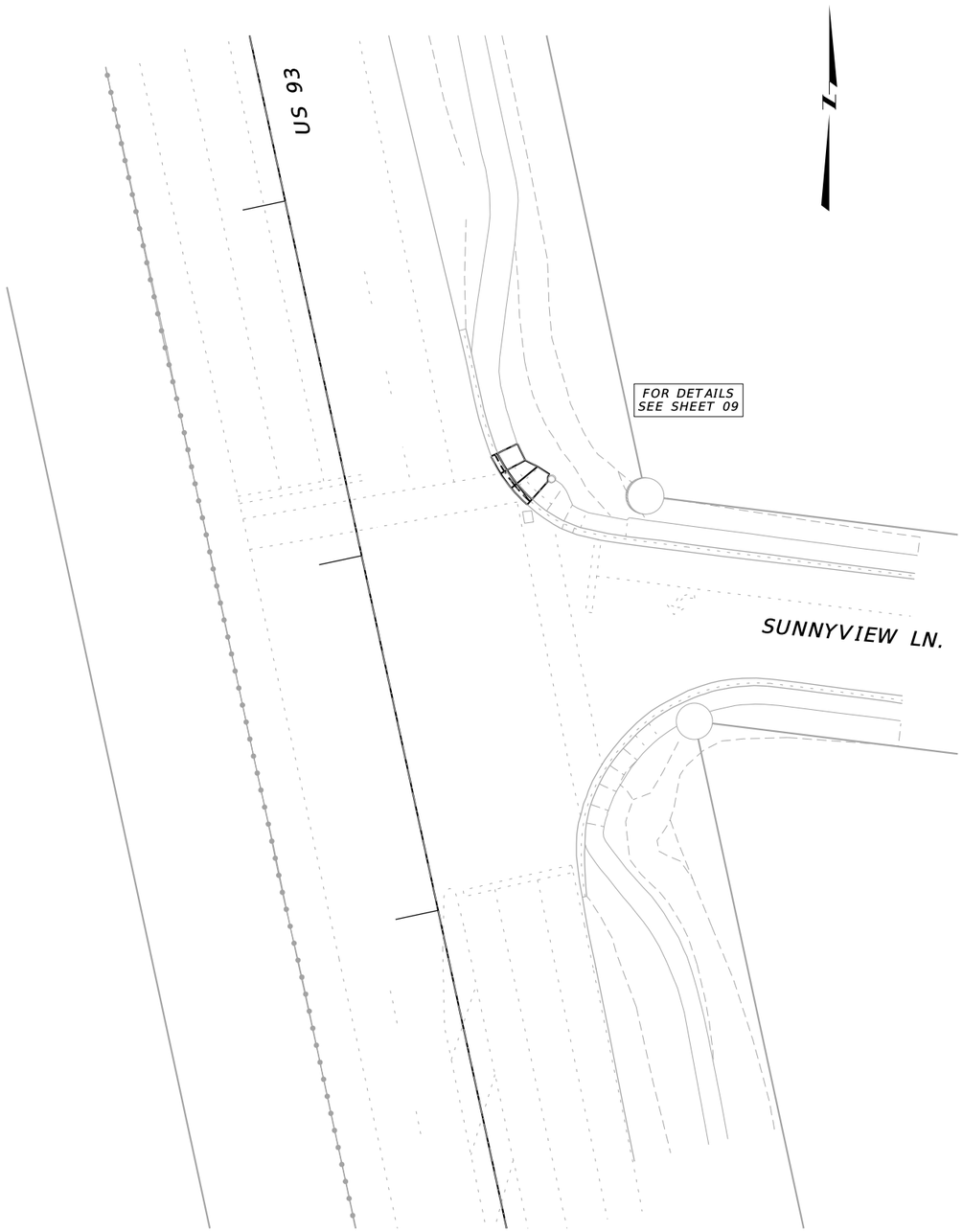
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1		9/15/2021	REVIEWED BY	Scott Gerken	12/2/2019	FLATHEAD COUNTY	UPN 9365000	28
		3:01:31 PM CPS - U3825	CHECKED BY	Ben Nunnallee	6/16/2021			

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CONWAY DR & US93

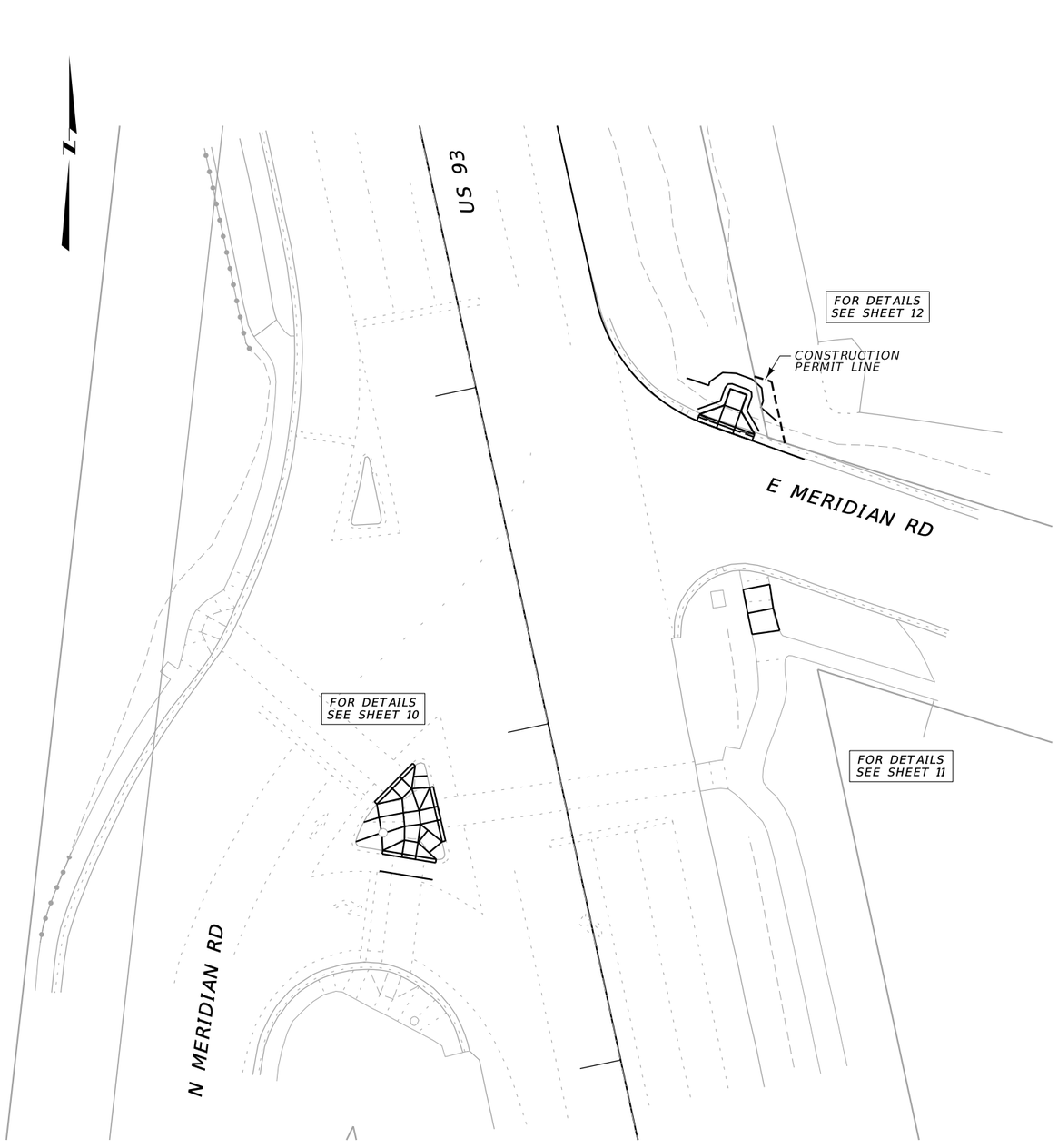


SUNNYVIEW LN. & US93

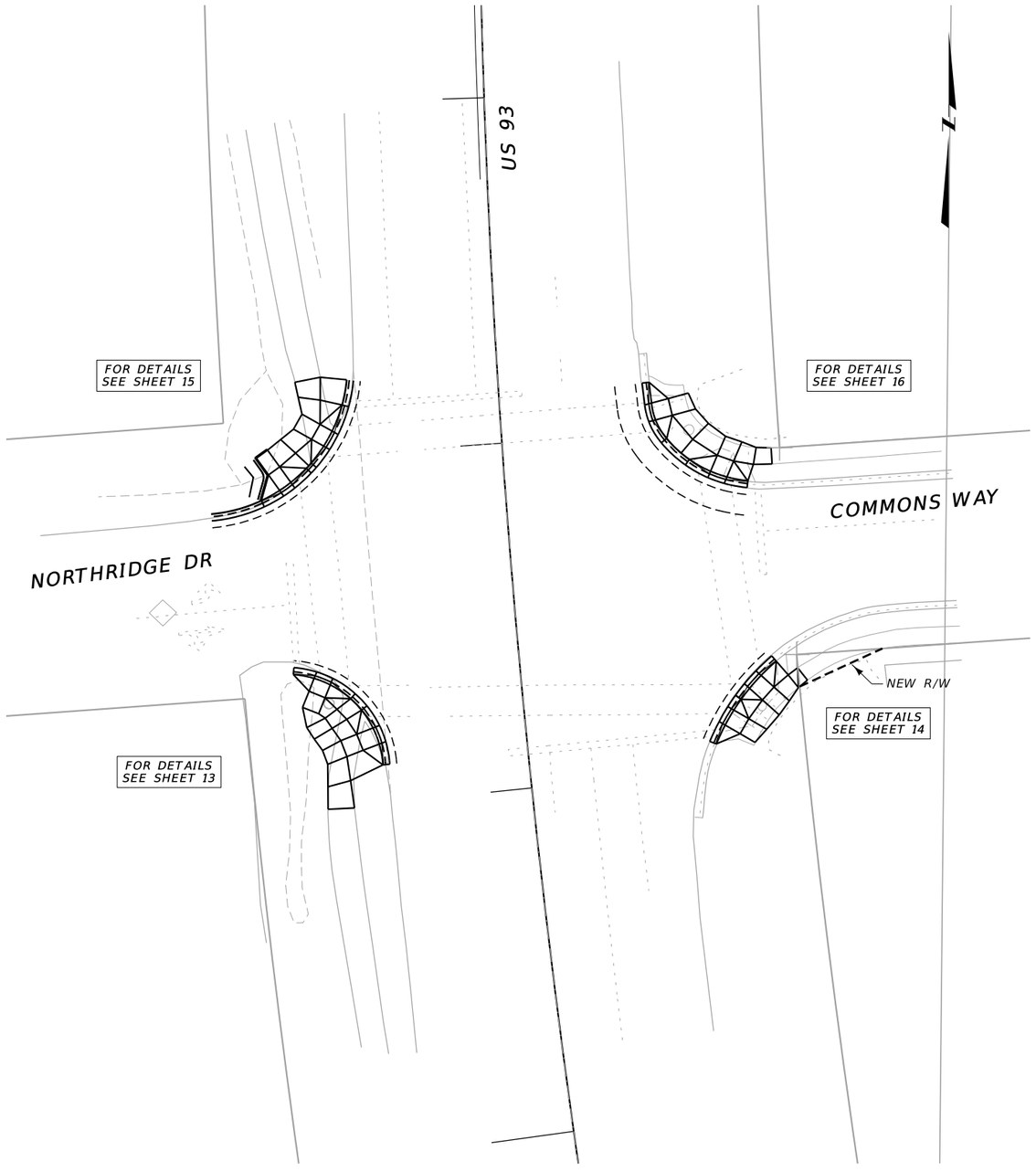
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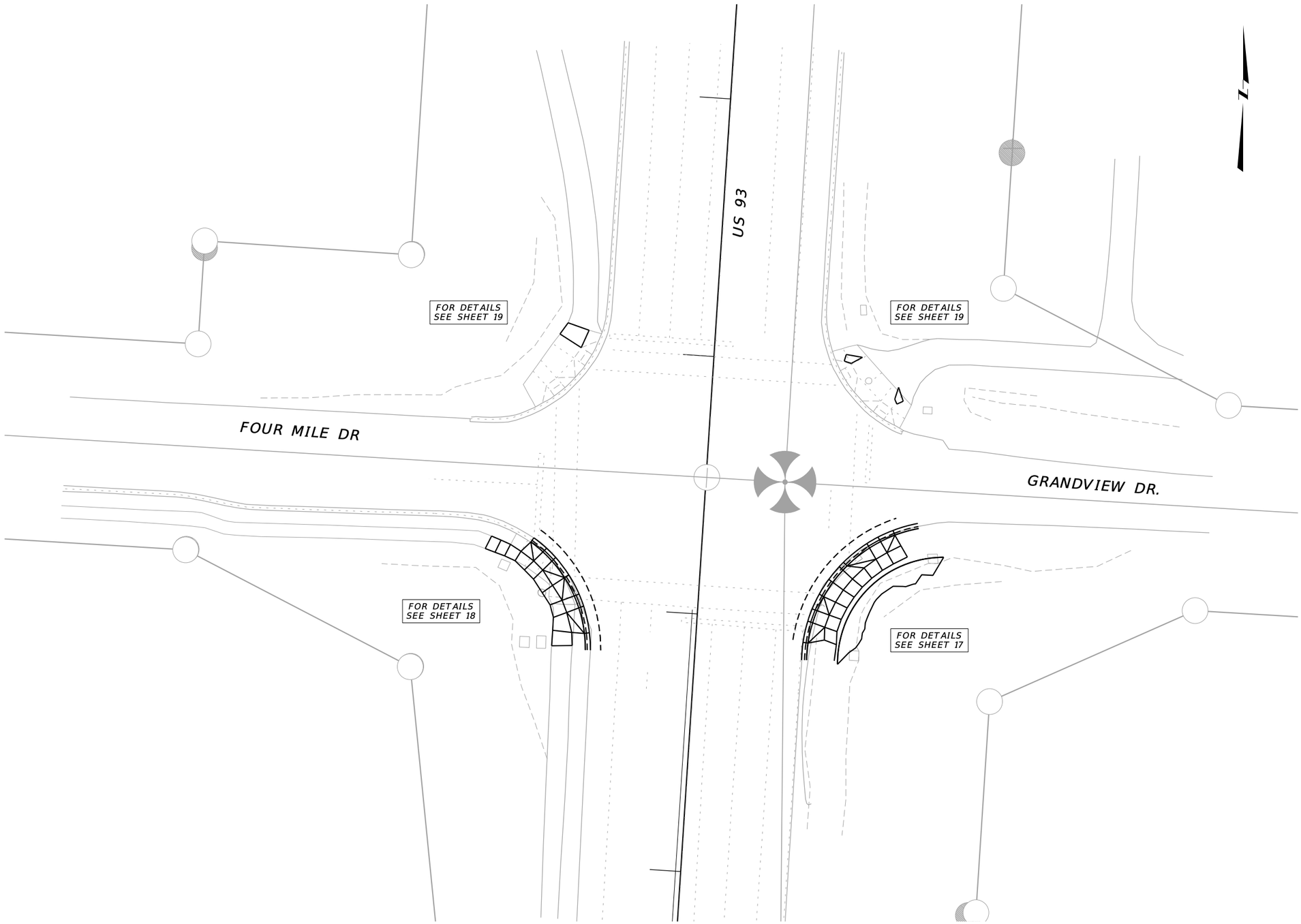
N MERIDIAN RD & US93



NORTHRIDGE DR - COMMONS WAY & US93

2	MDT MONTANA DEPARTMENT OF TRANSPORTATION	C:\DGN\9365000sapln001.dgn	DESIGNED BY	Daniel Birlut	12/2/2019	ROAD PLANS	US 93 NORTH SIGNALS - KALISPELL / CMDP 6799(48)
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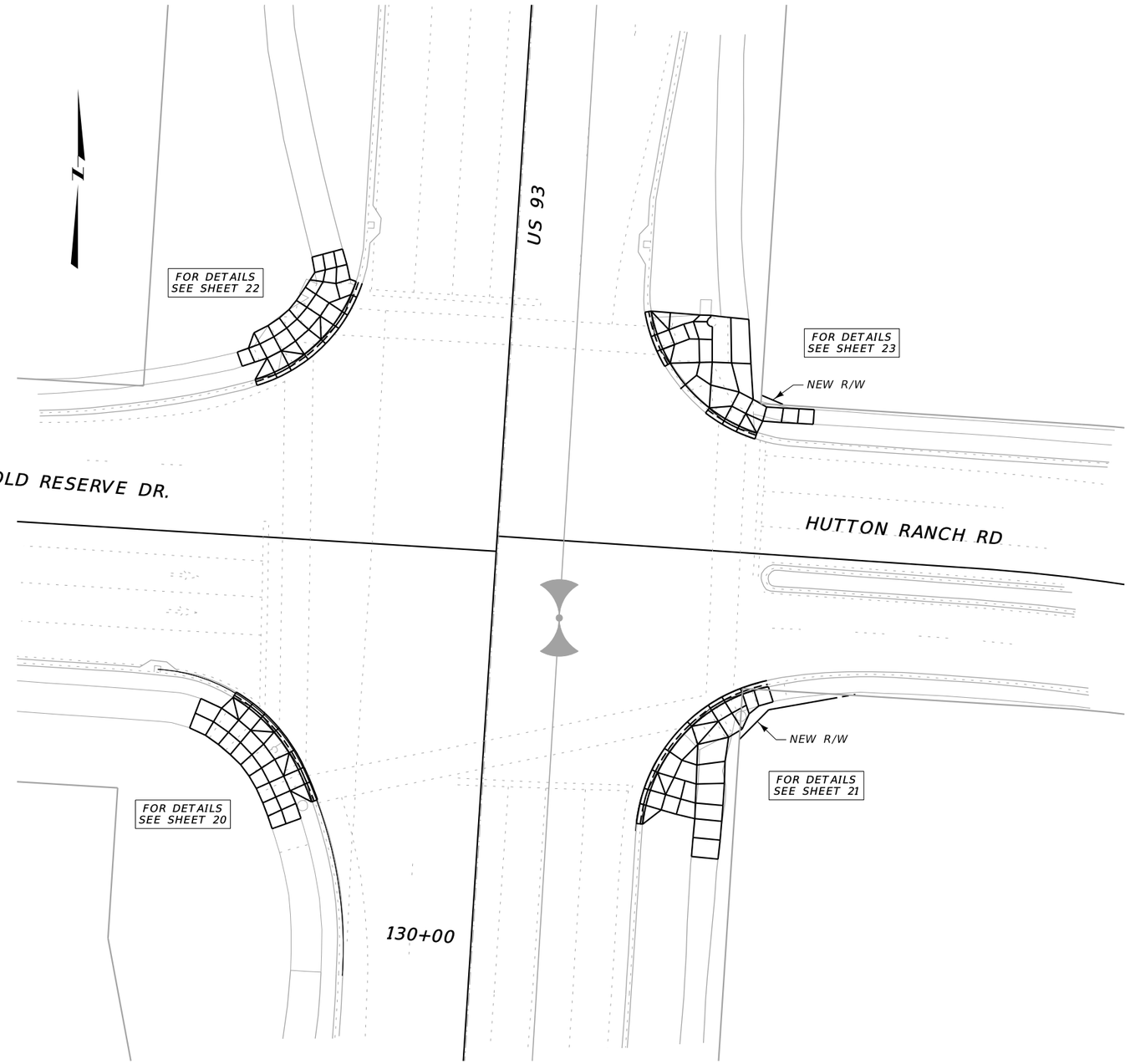


FOUR MILE DR & US93

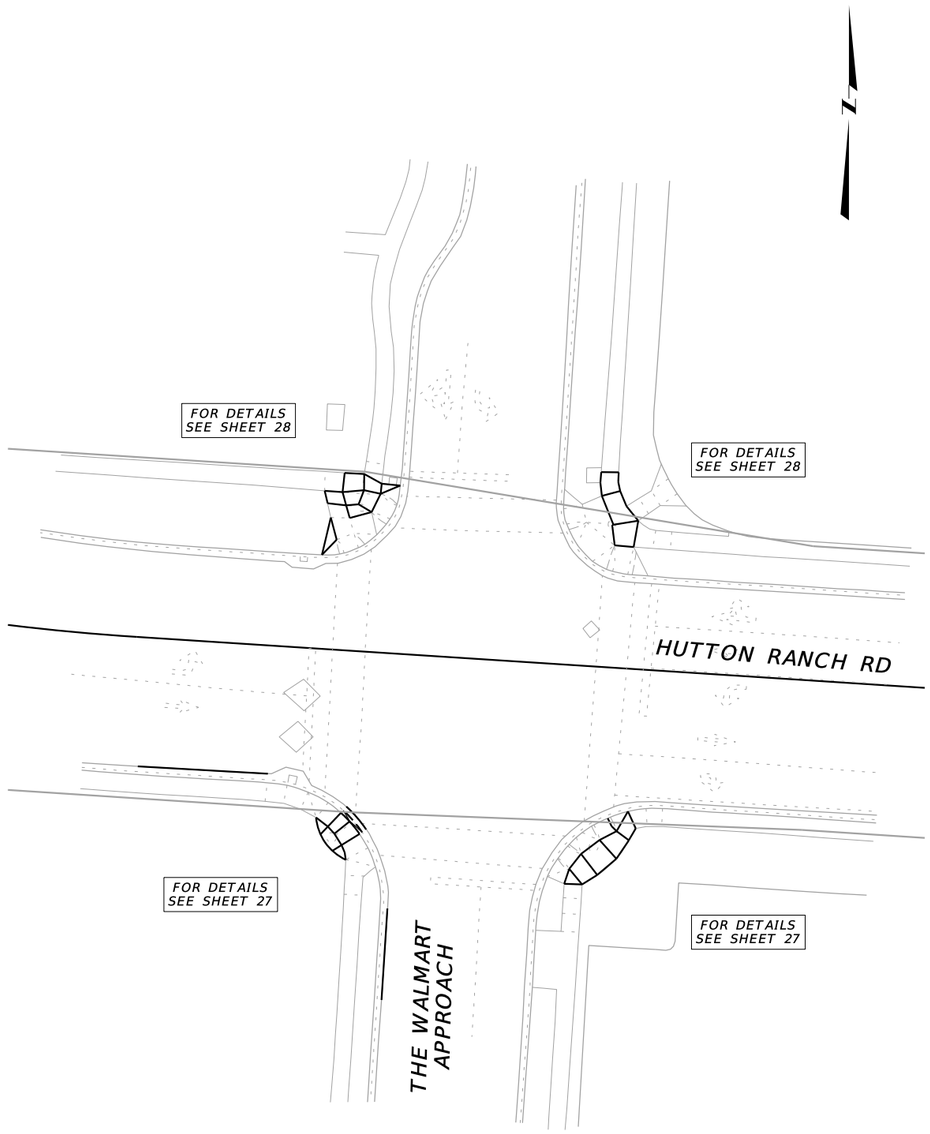
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2		9/15/2021	REVIEWED BY	Scott Gerken	12/2/2019			
		3:02:05 PM CPS - U3825	CHECKED BY	Ben Nunnallee	6/16/2021	FLATHEAD COUNTY	UPN 9365000	31

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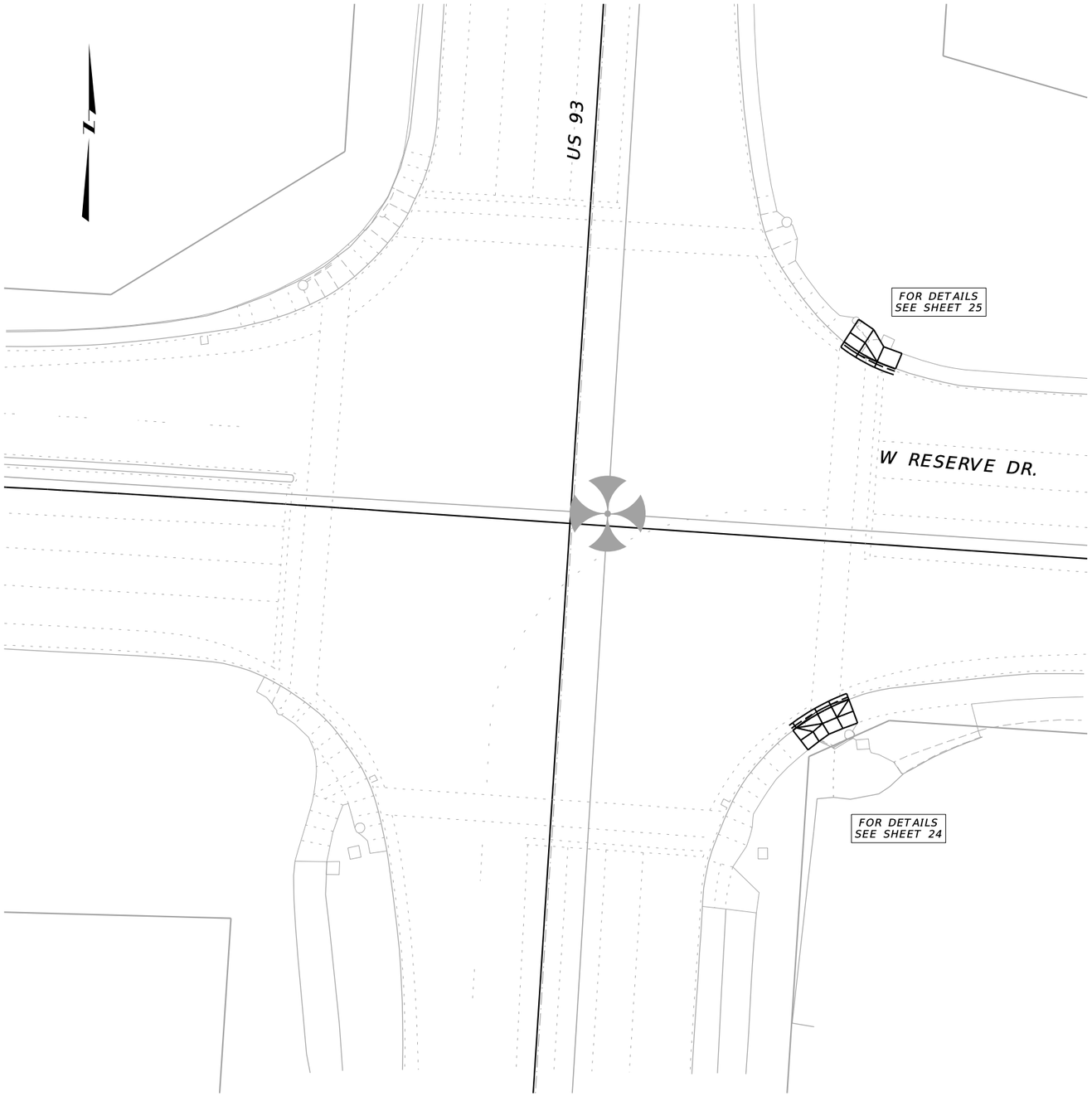
US93 & HUTTON RANCH RD



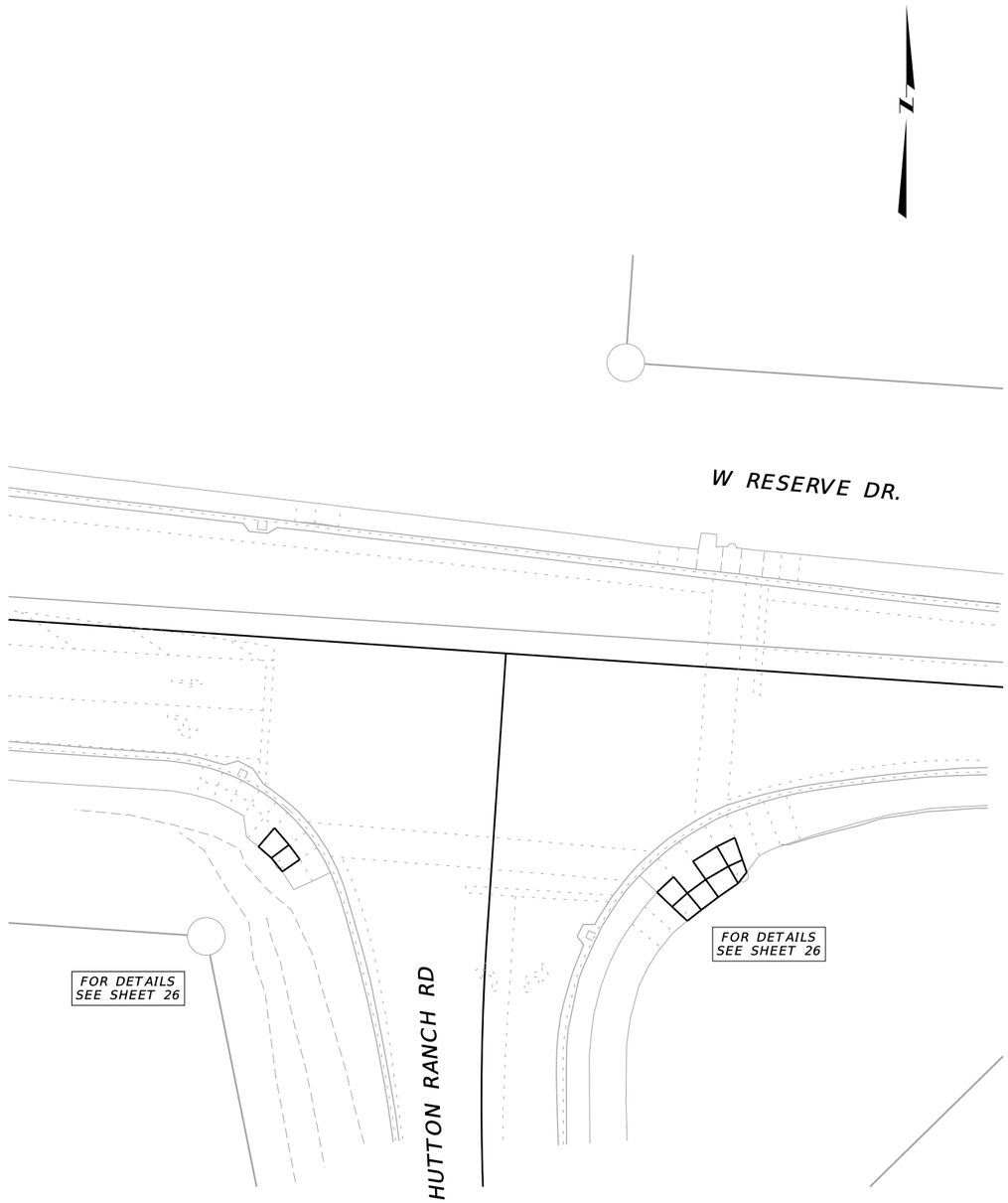
HUTTON RANCH RD & THE WALMART APPROACH

3	MDT MONTANA DEPARTMENT OF TRANSPORTATION	C:\DGN\9365000sapln002.dgn	DESIGNED BY	Daniel Birlut	12/2/2019	ROAD PLANS	US 93 NORTH SIGNALS - KALISPELL	CMDP 6799(48)
		9/15/2021	REVIEWED BY	Scott Gerken	12/2/2019			
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US93 & W RESERVE DR.



W RESERVE DR AND HUTTON RANCH RD

2	MDT MONTANA DEPARTMENT OF TRANSPORTATION	C:\DGN\9365000sapln002.dgn	DESIGNED BY	Daniel Birlut	12/2/2019	ROAD PLANS	US 93 NORTH SIGNALS - KALISPELL	CMDP 6799(48)
1		9/15/2021	REVIEWED BY	Scott Gerken	12/2/2019			
		3:02:13 PM CPS - U3829	CHECKED BY	Ben Nunnallee	6/16/2021	FLATHEAD COUNTY	UPN 9365000	33

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SUMMARY
SIGNING & DELINEATION QUANTITIES

MATERIAL	TOTAL	UNIT
SIGNS-SHEET ALUMINUM-REFLECTIVE SHEETING(IV)	227.5	SQ. FOOT
SIGNS-SHEET ALUMINUM-REFLECTIVE SHEETING(XI)	12.6	SQ. FOOT
SIGNS-ALUMINUM SHEET INCREMENT SHEETING (IV)		SQ. FOOT
SIGNS-ALUMINUM SHEET INCREMENT SHEETING (XI)	187.5	SQ. FOOT
OVERLAY-SHEET ALUMINUM		SQ. FOOT
POSTS-STEEL "U"		POUNDS
POLES-TREATED WOOD-4" DIA.		LINEAR FT.
POLES-TREATED WOOD-5" DIA.		LINEAR FT.
POLES-TREATED TIMBER-CLASS 4		LINEAR FT.
POLES-TREATED TIMBER-CLASS 3		LINEAR FT.
POSTS-TUBULAR STEEL (ROUND)		POUNDS
POSTS-TUBULAR STEEL (SQUARE PERFORATED)		POUNDS
POSTS-STRUCTURAL STEEL		POUNDS
OVERHEAD STRUCTURE-METAL-CANTILEVER		EACH
OVERHEAD STRUCTURE-METAL-BRIDGE		EACH
HIGHWAY TRAFFIC STRIPING-WHITE		GAL.(S)
HIGHWAY TRAFFIC STRIPING-YELLOW		GAL.(S)
WORDS & SYMBOLS		GAL.(S)
DELINEATOR-DESIGN A		EACH
DELINEATOR-DESIGN B		EACH
DELINEATOR-DESIGN C		EACH
DELINEATOR-DESIGN D		EACH
DELINEATOR-DESIGN E		EACH
DELINEATOR-DESIGN F		EACH
DELINEATOR-DESIGN G		EACH
DELINEATOR-DESIGN H		EACH
REMOVE SIGNS	3	EACH
REMOVE SIGNS-GUIDE	48	EACH
RESET SIGNS		EACH
RESET SIGNS-GUIDE		EACH
FRANGIBLE SIGN POST BREAKAWAY DEVICE-		EACH
FRANGIBLE SIGN POST BREAKAWAY DEVICE-		EACH
SQUARE TUBULAR SLIPBASE BREAKAWAY DEVICE-3"		EACH

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SIGN LOCATION AND SPECIFICATIONS

	SIGN NO.	PANEL SIZE	REFL SHTG TYPE: BACK-GROUND	REFL SHTG TYPE: LEGEND	FEET: CLEARANCE	FEET: SIGN SUPPORT SPACING	TYPE OF SUPPORT	CANTILEVER	FEET: SUPPORT LENGTH (ESTIMATED)	FEET: SUPPORT LENGTH (INSTALLED)	FEET: MOUNTING HEIGHT	FEET: FOUNDATION DEPTH	SIGN PANEL (SQ. FT.): SHEET ALUMINUM	SIGN PANEL (SQ. FT.): ALUMINUM SHEET INCREMENT	SIGN PANEL (SQ. FT.): ALUMINUM SHEET OVERLAY	TIMBER POLE (LINEAR FT.): 4" TOP DIA.	TIMBER POLE (LINEAR FT.): 5" TOP DIA.	STEEL POST(LBS.): ROUND TUBULAR	STEEL POST(LBS.): SQUARE TUBULAR	STEEL POST(LBS.): STRUCTURAL STEEL	STEEL POST(LBS.): "U" POST	BREAKAWAY	SIGNS/GUIDE: REMOVE	SIGNS/GUIDE: RESET	REMOVE	RESET	REMARKS
NE CORNER / US 93 & CONWAY DR																											
	OHD-3	54 x 12	IV	XI									4.5(IV)										1			RSFO	OHD-3 CONWAY DR
NW CORNER / US 93 & CONWAY DR																											
	OHD-3	30 x 12	IV	XI									2.5(IV)										1	BGR		RSFO	OHD-3 US 93
SW CORNER / US 93 & CONWAY DR																											
	OHD-3	54 x 12	IV	XI									4.5(IV)										1	BGR		RSFO	OHD-3 CONWAY DR
NE CORNER / US 93 & SUNNYVIEW LN																											
	OHD-3	60 x 12	IV	XI									5.0(IV)										1			RSFO	OHD-3 SUNNYVIEW LN
NW CORNER / US 93 & SUNNYVIEW LN																											
	OHD-3	30 x 12	IV	XI									2.5(IV)										1	BGR		RSFO	OHD-3 US 93
SW CORNER / US 93 & SUNNYVIEW LN																											
	OHD-3	60 x 12	IV	XI									5.0(IV)										1	BGR		RSFO	OHD-3 SUNNYVIEW LN
NW CORNER / US 93 & N /E MERIDIAN RD																											
	R10-11a	24 x 30	XI	-									5.0(XI)										1			RSFO	R10-11a NO TURN ON RED — MOUNTED ON POLE

RSFO = REPLACE SIGN FACE ONLY

BGR = BEHIND GUARDRAIL

SIGN LOCATIONS ARE APPROXIMATE

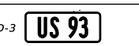
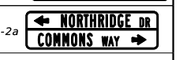
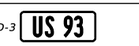
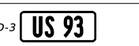
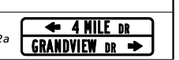
REPLACE SIGNS AT EXISTNG LOCATIONS

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2		9/15/2021	REVIEWED BY					
1		3:03:05 PM CPS - U3829	CHECKED BY			FLATHEAD COUNTY	UPN 9365000	S2

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SIGN LOCATION AND SPECIFICATIONS

	SIGN NO.	PANEL SIZE	REFL SHTG TYPE: BACK-GROUND	REFL SHTG TYPE: LEGEND	FEET: CLEARANCE	FEET: SIGN SUPPORT SPACING	TYPE OF SUPPORT	CANTILEVER	FEET: SUPPORT LENGTH (ESTIMATED)	FEET: SUPPORT LENGTH (INSTALLED)	FEET: MOUNTING HEIGHT	FEET: FOUNDATION DEPTH	SIGN PANEL (SQ. FT.): SHEET ALUMINUM	SIGN PANEL (SQ. FT.): ALUMINUM SHEET INCREMENT	SIGN PANEL (SQ. FT.): ALUMINUM SHEET OVERLAY	TIMBER POLE (LINEAR FT.): 4" TOP DIA.	TIMBER POLE (LINEAR FT.): 5" TOP DIA.	STEEL POST(LBS.): ROUND TUBULAR	STEEL POST(LBS.): SQUARE TUBULAR	STEEL POST(LBS.): STRUCTURAL STEEL	STEEL POST(LBS.): "U" POST	BREAKAWAY	SIGNS/GUIDE: REMOVE	SIGNS/GUIDE: RESET	REMOVE	RESET	REMARKS
N /NE CORNER / US 93 & N /E MERIDIAN RD																											
	OHD-3-2a	90 x 24	IV	XI									15.0(IV)										1			RSFO	OHD-3-2a 
NE CORNER / US 93 & N /E MERIDIAN RD																											
	OHD-3	54 x 12	IV	XI									4.5(IV)										1			RSFO	OHD-3 
SW ISLAND CORNER / US 93 & N /E MERIDIAN RD																											
	OHD-3-2b	90 x 24	IV	XI									15.0(IV)										1			RSFO	OHD-3-2b 
NW CORNER / US 93 & NORTHRIDGE DR /COMMONS WAY																											
	OHD-3	30 x 12	IV	XI									2.5(IV)										1			RSFO	OHD-3 
NE CORNER / US 93 & NORTHRIDGE DR /COMMONS WAY																											
	OHD-3	REMOVE																					1			REMOVE	OHD-3 
	OHD-3-2a	84 x 24	IV	XI									14.0(IV)										1			RSFO	OHD-3-2a 
SW CORNER / US 93 & NORTHRIDGE DR /COMMONS WAY																											
	OHD-3	REMOVE																					1			REMOVE	OHD-3 
	OHD-3-2b	84 x 24	IV	XI									14.0(IV)										1			RSFO	OHD-3-2b 
SE CORNER / US 93 & NORTHRIDGE DR /COMMONS WAY																											
	OHD-3	30 x 12	IV	XI									2.5(IV)										1			RSFO	OHD-3 
NW CORNER / US 93 & FOUR MILE DR / GRANDVIEW DR																											
	OHD-3	30 x 12	IV	XI									2.5(IV)										1			RSFO	OHD-3 
NE CORNER / US 93 & FOUR MILE DR / GRANDVIEW DR																											
	OHD-3-2a	84 x 24	IV	XI									14.0(IV)										1			RSFO	OHD-3-2a 

RSFO = REPLACE SIGN FACE ONLY

BGR = BEHIND GUARDRAIL

SIGN LOCATIONS ARE APPROXIMATE

REPLACE SIGNS AT EXISTNG LOCATIONS

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SIGN LOCATION AND SPECIFICATIONS

SIGN NO.	PANEL SIZE	REFL SHTG TYPE: BACK-GROUND	REFL SHTG TYPE: LEGEND	FEET: CLEARANCE	FEET: SIGN SUPPORT SPACING	TYPE OF SUPPORT	CANTILEVER	FEET: SUPPORT LENGTH (ESTIMATED)	FEET: SUPPORT LENGTH (INSTALLED)	FEET: MOUNTING HEIGHT	FEET: FOUNDATION DEPTH	SIGN PANEL (SQ. FT.): SHEET ALUMINUM	SIGN PANEL (SQ. FT.): ALUMINUM SHEET INCREMENT	SIGN PANEL (SQ. FT.): ALUMINUM SHEET OVERLAY	TIMBER POLE (LINEAR FT.): 4" TOP DIA.	TIMBER POLE (LINEAR FT.): 5" TOP DIA.	STEEL POST(LBS.): ROUND TUBULAR	STEEL POST(LBS.): SQUARE TUBULAR	STEEL POST(LBS.): STRUCTURAL STEEL	STEEL POST(LBS.): "U" POST	BREAKAWAY	SIGNS/GUIDE: REMOVE	SIGNS/GUIDE: RESET	SIGNS/GUIDE: REMOVE	SIGNS/GUIDE: RESET	REMARKS	
SW CORNER / US 93 & FOUR MILE DR / GRANDVIEW DR																												
	OHD-3-2b	84 x 24	IV	XI								14.0(IV)										1				RSFO	OHD-3-2b GRANDVIEW DR / 4 MILE DR
SE CORNER / US 93 & FOUR MILE DR / GRANDVIEW DR																												
	OHD-3	30 x 12	IV	XI								2.5(IV)										1				RSFO	OHD-3 US 93
NE CORNER/US 93 / OLD RESERVE DR & HUTTON RANCH RD																												
	R3-5L	30 x 36	XI	-									7.5(XI)									1				RSFO	R3-5L ONLY
	R3-5a	30 x 36	XI	-									7.5(XI)													NEW	R3-5R ONLY
	OHD-3-2a	96 x 24	IV	XI								16.0(IV)										1				RSFO	OHD-3-2a OLD RESERVE DR / HUTTON RANCH RD
NW CORNER/US 93 / OLD RESERVE DR & HUTTON RANCH RD																												
	OHD-3	30 x 12	IV	XI								2.5(IV)														NEW	OHD-3 US 93
	R3-5L	30 x 36	XI	-									7.5(XI)									1				RSFO	R3-5L ONLY
	R3-5B	30 x 36	XI	-									7.5(XI)									1				RSFO	R3-5B ONLY
	R3-5R	30 x 36	XI	-									7.5(XI)									1				RSFO	R3-5R ONLY
SE CORNER/US 93 / OLD RESERVE DR & HUTTON RANCH RD																												
	R3-5L	30 x 36	XI	-									7.5(XI)									1				RSFO	R3-5L ONLY
	OHD-3	30 x 12	IV	XI								2.5(IV)														NEW	OHD-3 US 93
	R3-5R	30 x 36	XI	-									7.5(XI)									1				RSFO	R3-5R ONLY
SW CORNER/US 93 / OLD RESERVE DR & HUTTON RANCH RD																												
	R3-5L	30 x 36	XI	-									7.5(XI)									1				RSFO	R3-5L ONLY
	R3-5R	30 x 36	XI	-									7.5(XI)									1				RSFO	R3-5R ONLY
	OHD-3-2b	96 x 24	IV	XI								16.0(IV)										1				RSFO	OHD-3-2b HUTTON RANCH RD / OLD RESERVE DR
NE CORNER / HUTTON RANCH RD & WALMART APPROACH																												
	OHD-3	78 x 12	IV	XI								6.5(IV)										1				RSFO	OHD-3 HUTTON RANCH RD
SW CORNER / HUTTON RANCH RD & WALMART APPROACH																												
	OHD-3	78 x 12	IV	XI								6.5(IV)										1				RSFO	OHD-3 HUTTON RANCH RD

RSFO = REPLACE SIGN FACE ONLY

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NW CORNER / US 93 & W RESERVE DR /US 93 ALTERNATE																											
OHD-3	30 x 12	IV	XI									2.5(IV)															RSFO OHD-3 US 93
R3-8e	120 x 36	XI	-										30.0(XI)														RSFO R3-8e
NE CORNER / US 93 & W RESERVE DR /US 93 ALTERNATE																											
OHD-3-2a	90 x 24	IV	XI									15.0(IV)															RSFO OHD-3-2a ← US 93 ALTERNATE / W RESERVE DR →
R3-5L	30 x 36	XI	-										7.5(XI)														RSFO R3-5L ONLY
R3-5R	30 x 36	XI	-										7.5(XI)														RSFO R3-5R ONLY
SE CORNER / US 93 & W RESERVE DR /US 93 ALTERNATE																											
OHD-3	30 x 12	IV	XI									2.5(IV)															RSFO OHD-3 US 93
R3-8e	120 x 36	XI	-										30.0(XI)														RSFO R3-8e
SW CORNER / US 93 & W RESERVE DR /US 93 ALTERNATE																											
OHD-3-2b	90 x 24	IV	XI									15.0(IV)															RSFO OHD-3-2b ← W RESERVE DR / US 93 ALTERNATE →
R3-5R	30 x 36	XI	-										7.5(XI)														RSFO R3-5R ONLY
R3-5L	30 x 36	XI	-										7.5(XI)														RSFO R3-5L ONLY
SE CORNER / WEST RESERVE DR & HUTTON RANCH RD																											
R3-5R	30 x 36	XI	-										7.5(XI)														RSFO R3-5R ONLY
OHD-3	78 x 12	IV	XI									6.5(IV)															RSFO OHD-3 HUTTON RANCH RD
NE CORNER / WEST RESERVE DR & HUTTON RANCH RD																											
R3-5L	30 x 36	XI	-										7.5(XI)														RSFO R3-5L ONLY
R3-5R	30 x 36	XI	-										7.5(XI)														RSFO R3-5R ONLY
OHD-3	60 x 12	IV	XI									5.0(IV)															RSFO OHD-3 W RESERVE DR

RSFO = REPLACE SIGN FACE ONLY

BGR = BEHIND GUARDRAIL

SIGN LOCATIONS ARE APPROXIMATE

REPLACE SIGNS AT EXISTNG LOCATIONS

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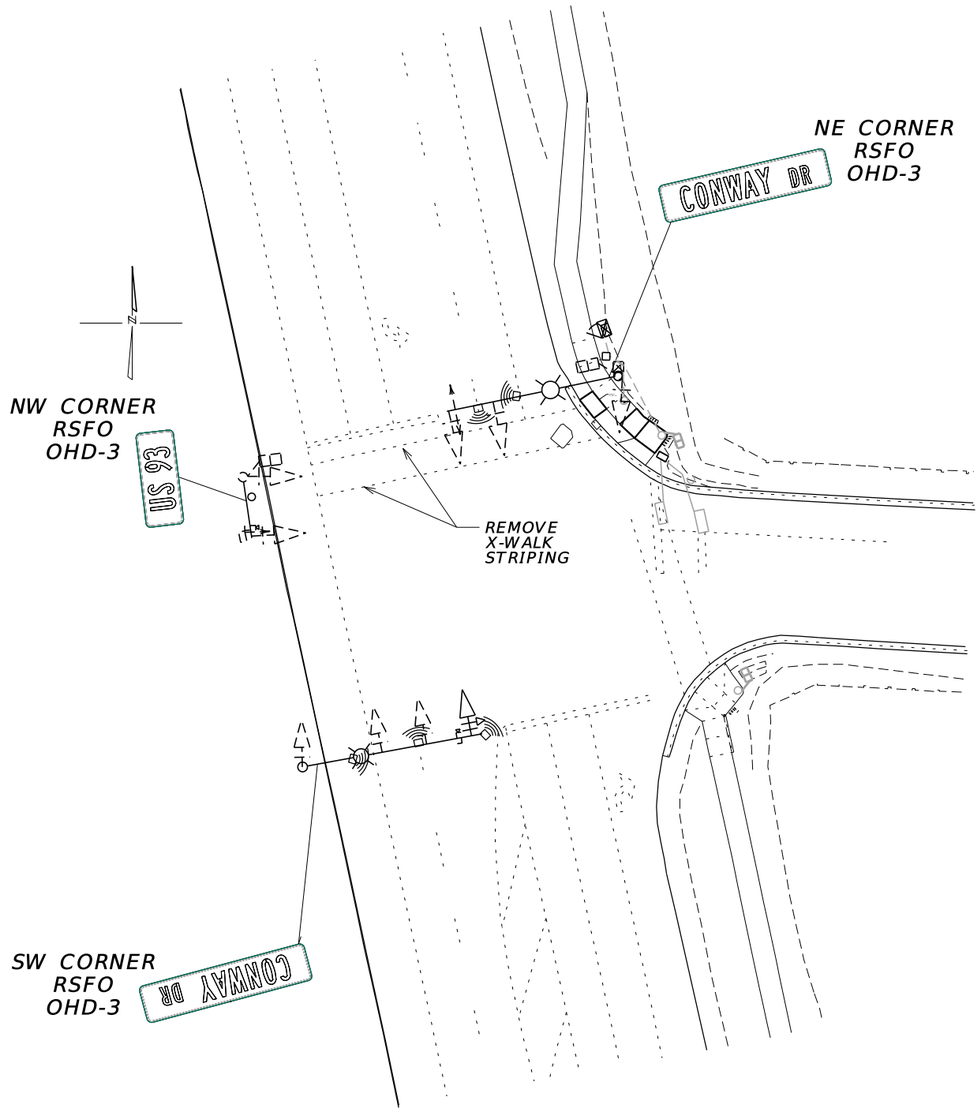
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SIGN LOCATION AND SPECIFICATIONS

SIGN NO.	PANEL SIZE	REFL SHTG TYPE: BACK-GROUND	REFL SHTG TYPE: LEGEND	FEET: CLEARANCE	FEET: SIGN SUPPORT SPACING	TYPE OF SUPPORT	CANTILEVER	FEET: SUPPORT LENGTH (ESTIMATED)	FEET: SUPPORT LENGTH (INSTALLED)	FEET: MOUNTING HEIGHT	FEET: FOUNDATION DEPTH	SIGN PANEL (SQ. FT.): SHEET ALUMINUM	SIGN PANEL (SQ. FT.): ALUMINUM SHEET INCREMENT	SIGN PANEL (SQ. FT.): ALUMINUM SHEET OVERLAY	TIMBER POLE (LINEAR FT.): 4" TOP DIA.	TIMBER POLE (LINEAR FT.): 5" TOP DIA.	STEEL POST(LBS.): ROUND TUBULAR	STEEL POST(LBS.): SQUARE TUBULAR	STEEL POST(LBS.): STRUCTURAL STEEL	STEEL POST(LBS.): "U" POST	BREAKAWAY	SIGNS GUIDE: REMOVE	SIGNS GUIDE: RESET	REMOVE	RESET	REMARKS
NW CORNER / WEST RESERVE DR & HUTTON RANCH RD																										
OHD-3	78 x 12	IV	XI									6.5(IV)												1		RSFO OHD-3 HUTTON RANCH RD
R3-5L	30 x 36	XI	-										7.5(XI)											1		RSFO R3-5L ONLY
R9-3a	18 x 18	XI	XI									2.3(XI)									1					RSFO R9-3a MOUNTED ON POLE
R9-3bR -	12 x 18 -	XI -	- -									1.5(XI) -														R3-9bR USE CROSSWALK
SW CORNER / WEST RESERVE DR & HUTTON RANCH RD																										
R9-3a	18 x 18	XI	XI									2.3(XI)									1					RSFO R9-3a MOUNTED ON POLE
R9-3bL -	12 x 18 -	XI -	- -									1.5(XI)														R3-9bL USE CROSSWALK
TOTALS												227.5(IV) 12.6(XI)	187.5(XI)								3		48			

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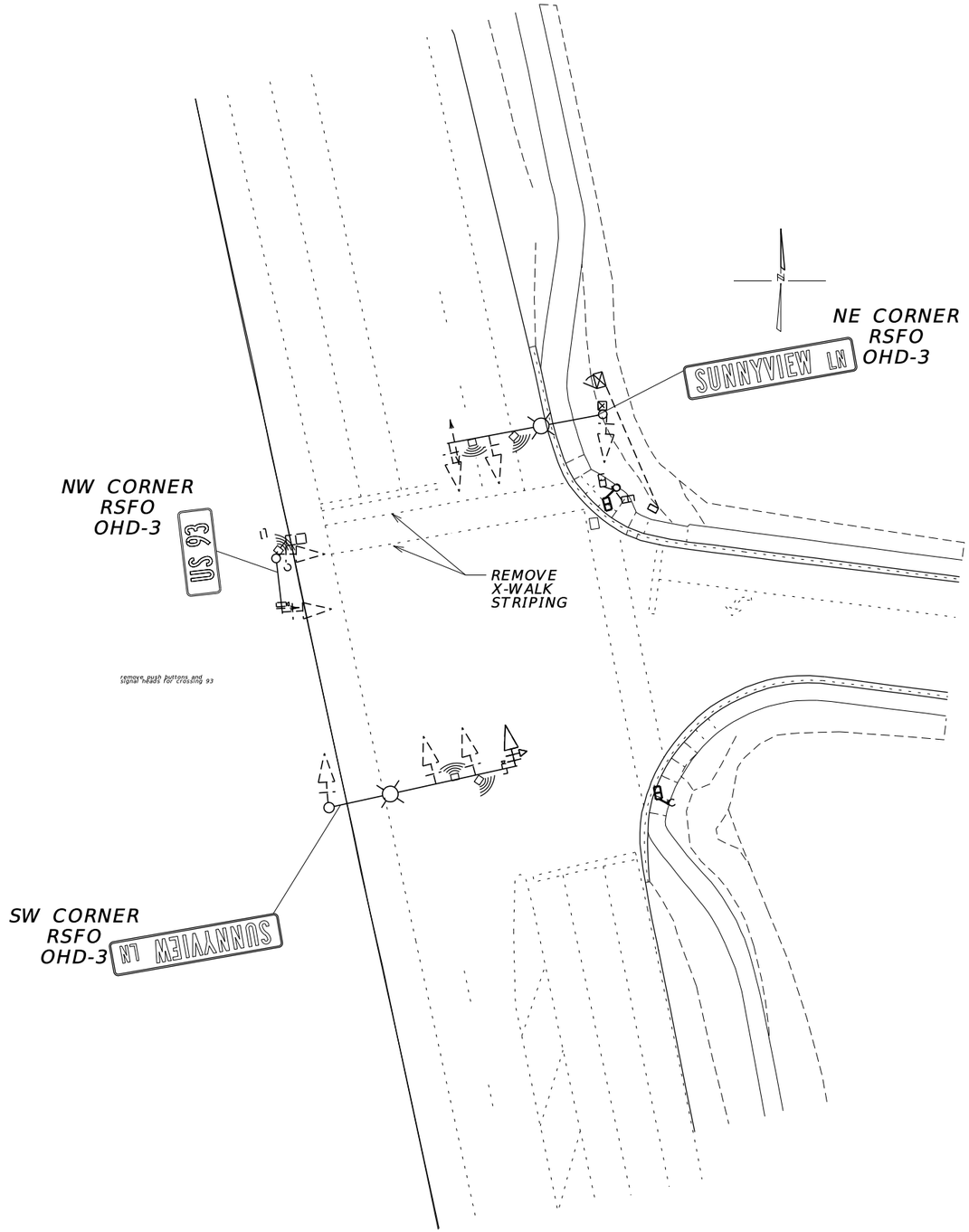
US 93 & CONWAY DR



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2		9/15/2021				FLATHEAD COUNTY	UPN 9563000	S7
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US 93 & SUNNYVIEW LN

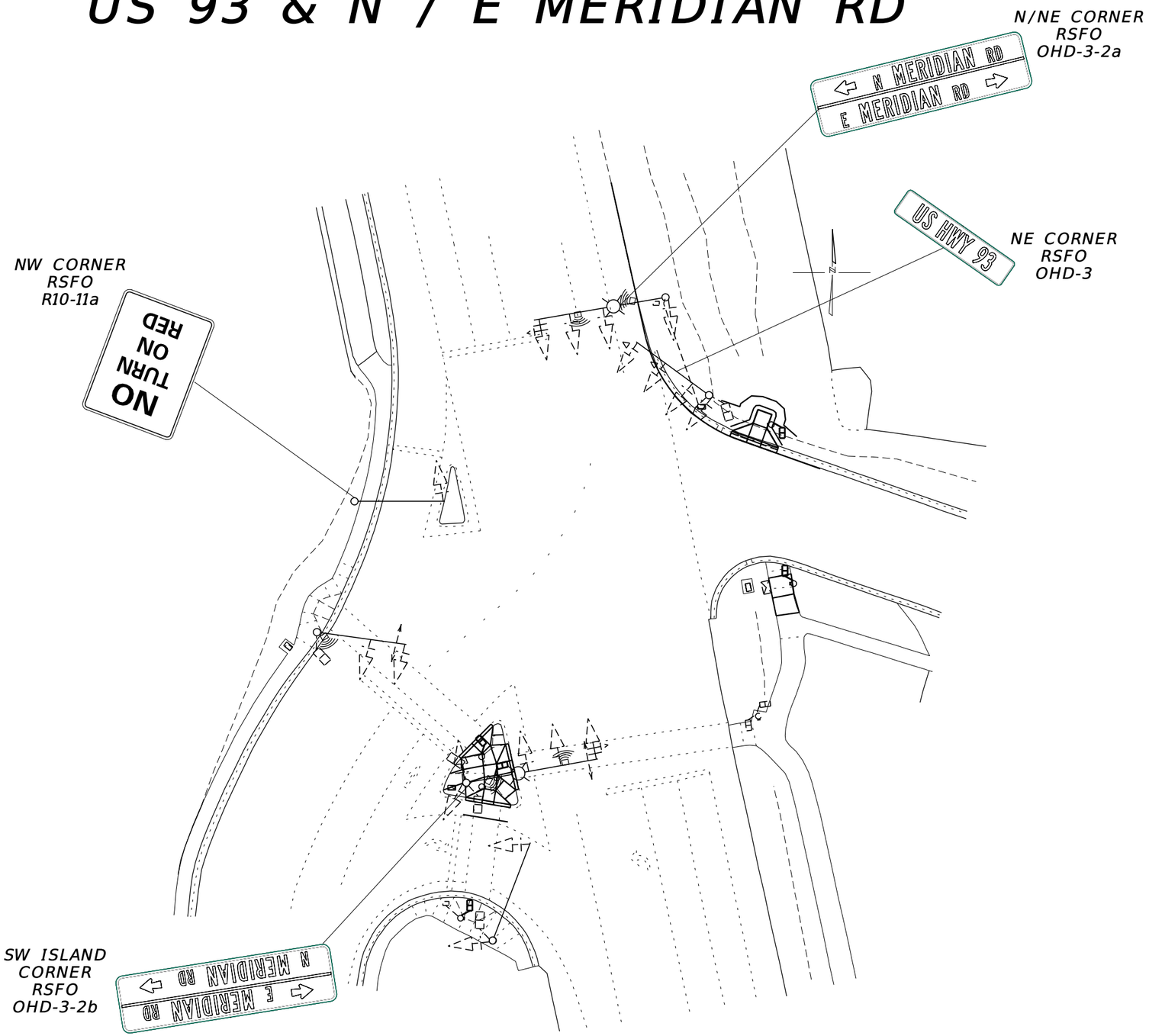


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US 93 & N / E MERIDIAN RD

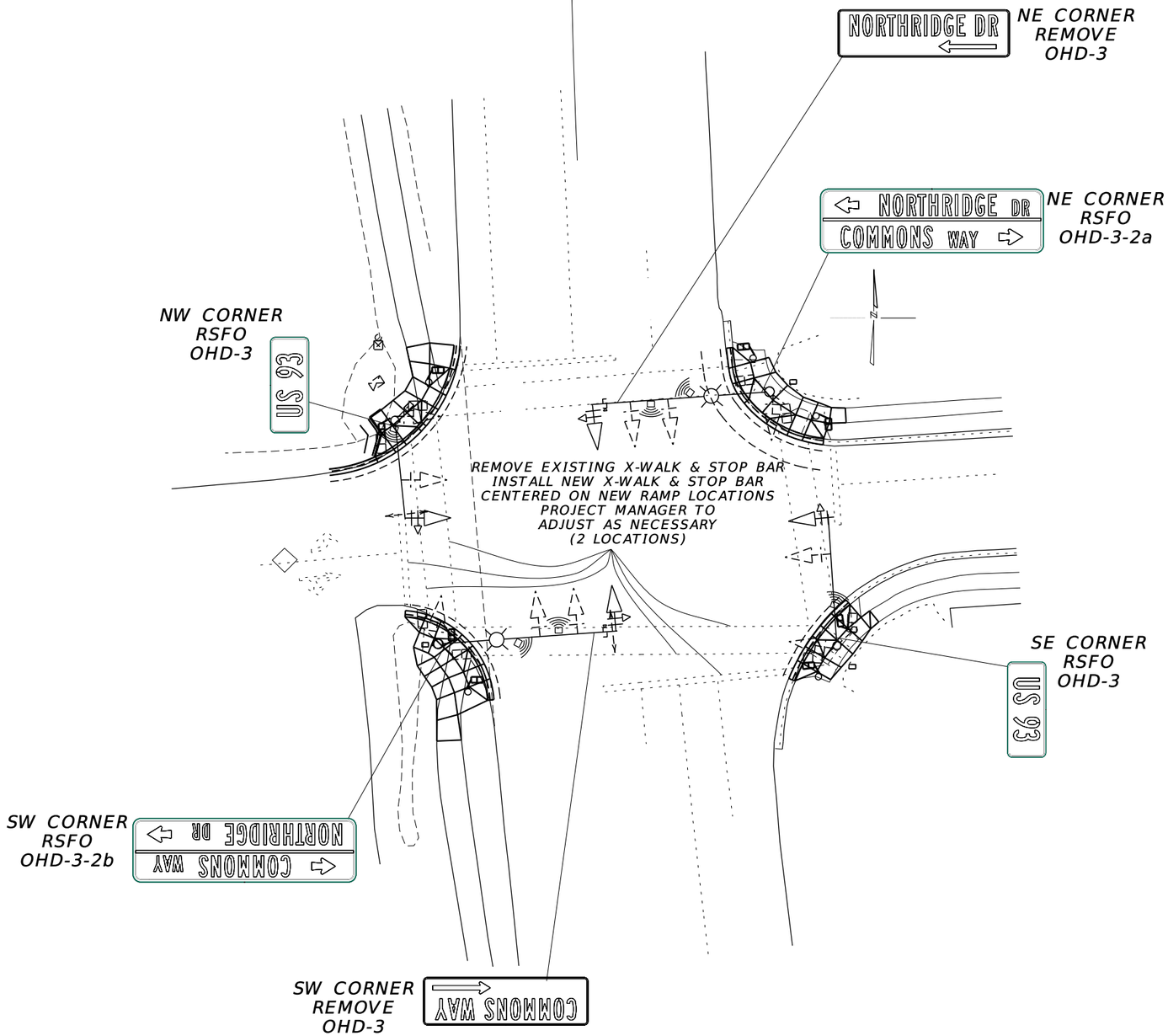


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US 93 & NORTHRIDGE DR / COMMONS WAY

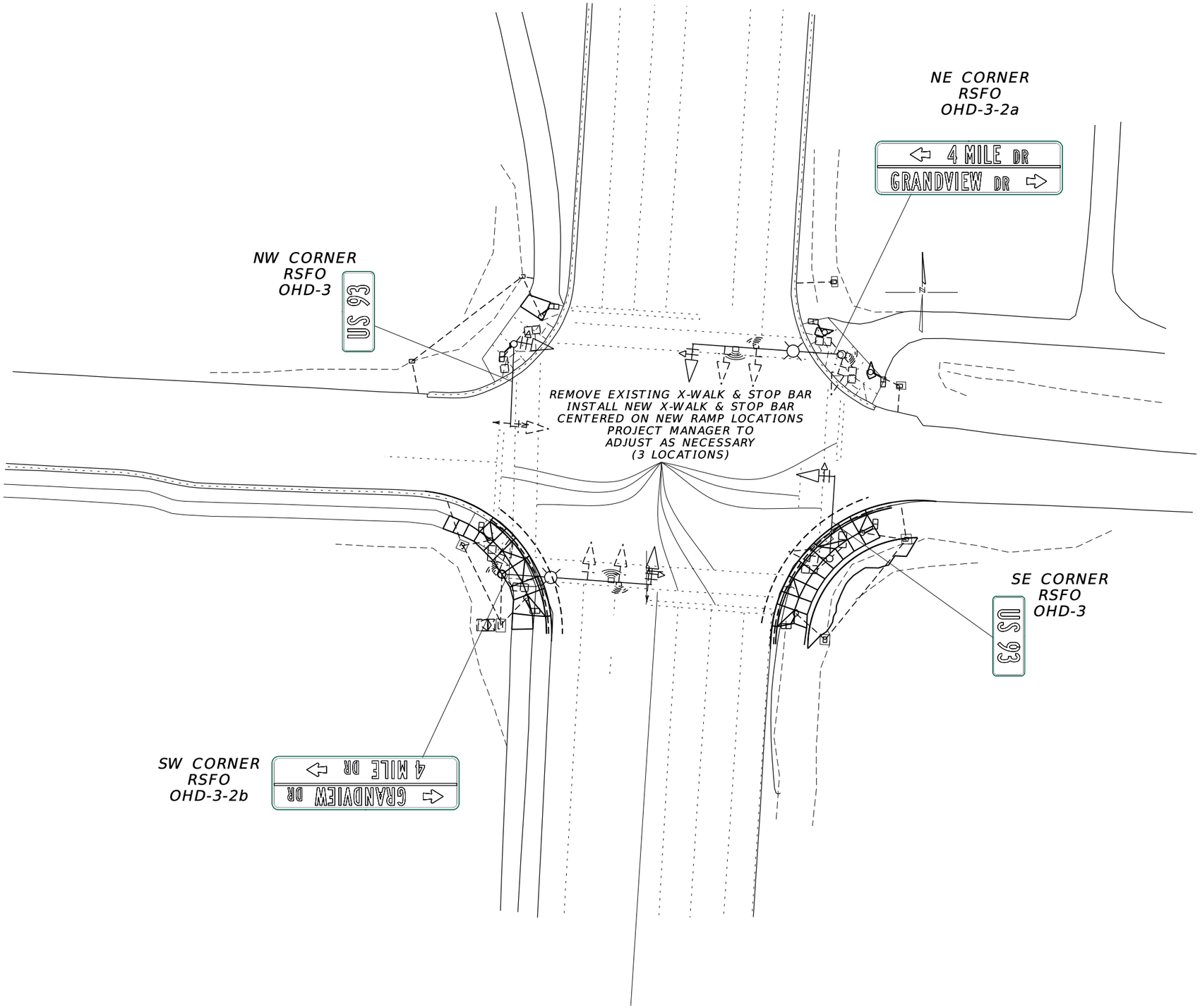


3	MDT MONTANA DEPARTMENT OF TRANSPORTATION	C:\DGN\9365000sipln002.dgn	DESIGNED BY	Name	Date	SIGNING PLANS	US 93 NORTH -SIGNALS - KALISPELL	CMDP 6799 (48)
2		9/15/2021	REVIEWED BY					
1		3:04:05 PM CPS - U382	CHECKED BY			FLATHEAD COUNTY	UPN 9365000	SI0

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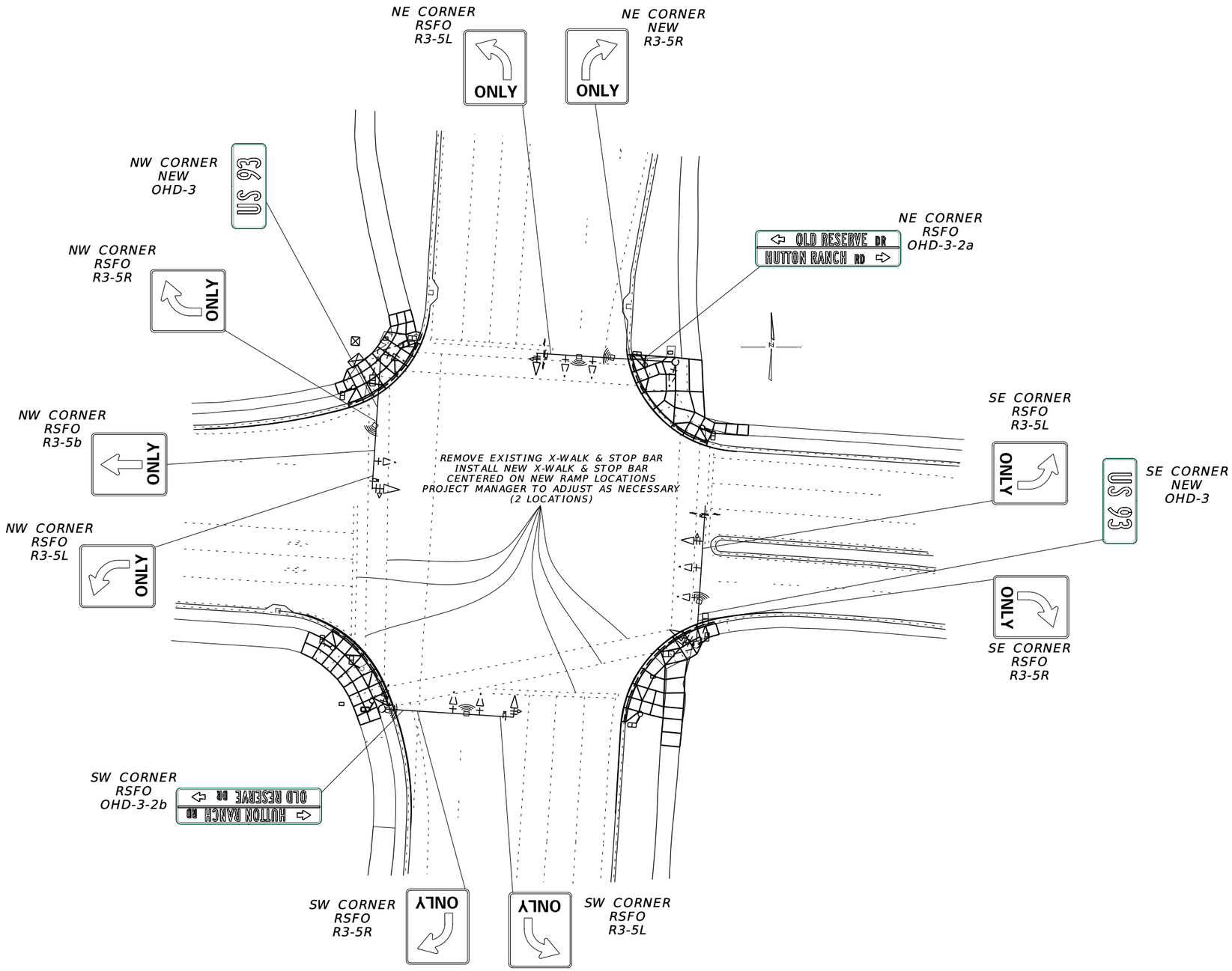
US 93 & FOUR MILE DR / GRANDVIEW DR



3	MDT MONTANA DEPARTMENT OF TRANSPORTATION	C:\DGN\9365000sipln002.dgn	DESIGNED BY	Name	Date	SIGNING PLANS	US 93 NORTH -SIGNALS - KALISPELL	CMDP 6799 (48)
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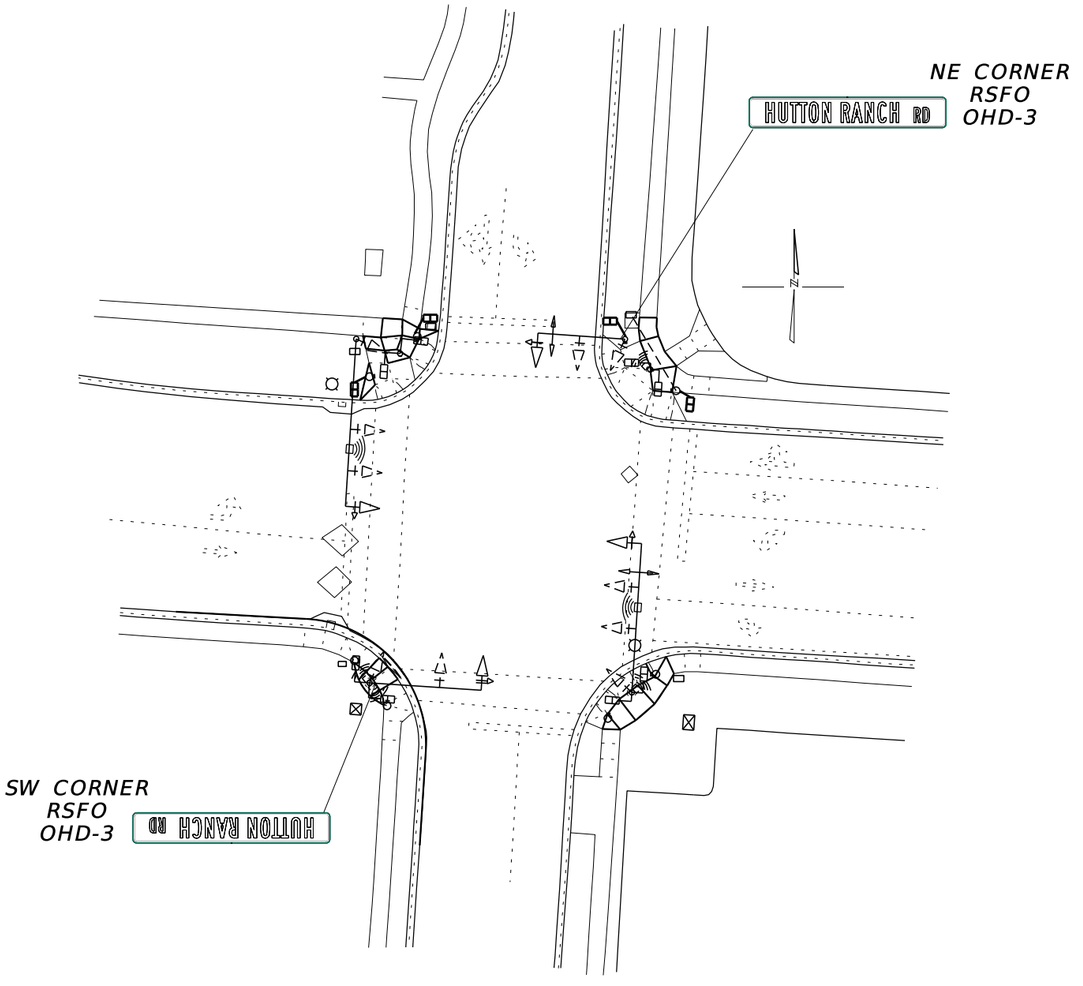
US 93 & OLD RESERVE DR / HUTTON RANCH RD



3	MDT MONTANA DEPARTMENT OF TRANSPORTATION	C:\DGN\9365000sipln002.dgn	DESIGNED BY	Name	Date	SIGNING PLANS	US 93 NORTH -SIGNALS - KALISPELL	CMDP 6799 (48)
2		9/15/2021	REVIEWED BY					
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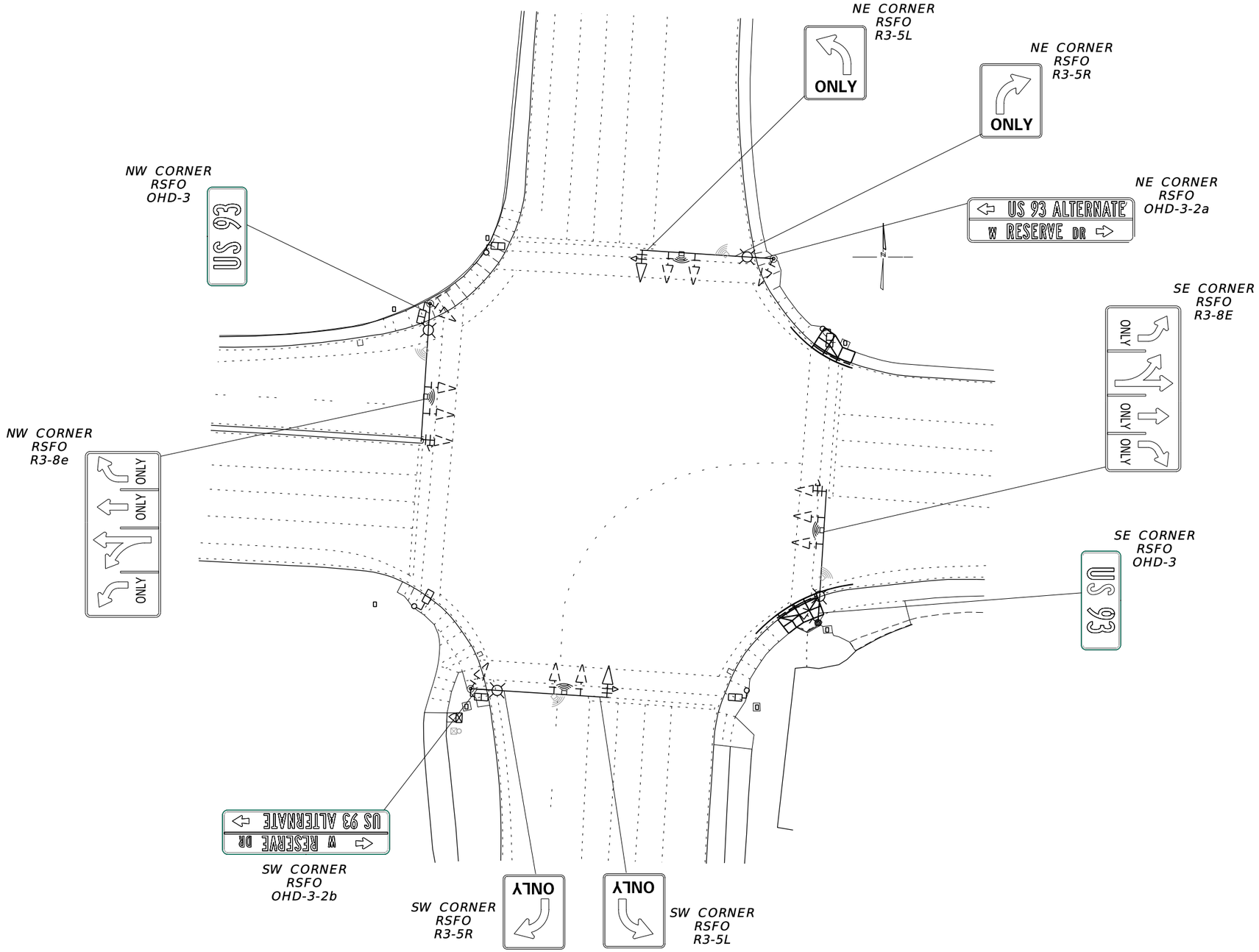
HUTTON RANCH RD & WALMART APPROACH



3	MDT MONTANA DEPARTMENT OF TRANSPORTATION	C:\DGN\9365000sipln003.dgn	DESIGNED BY	Name	Date	SIGNING PLANS	US 93 NORTH SIGNALS - KALISPELL	CMDP 6799 (48)
2		9/15/2021	REVIEWED BY					
1		3:04:26 PM CPS – U382F	CHECKED BY			FLATHEAD COUNTY	UPN 9365000	SI3

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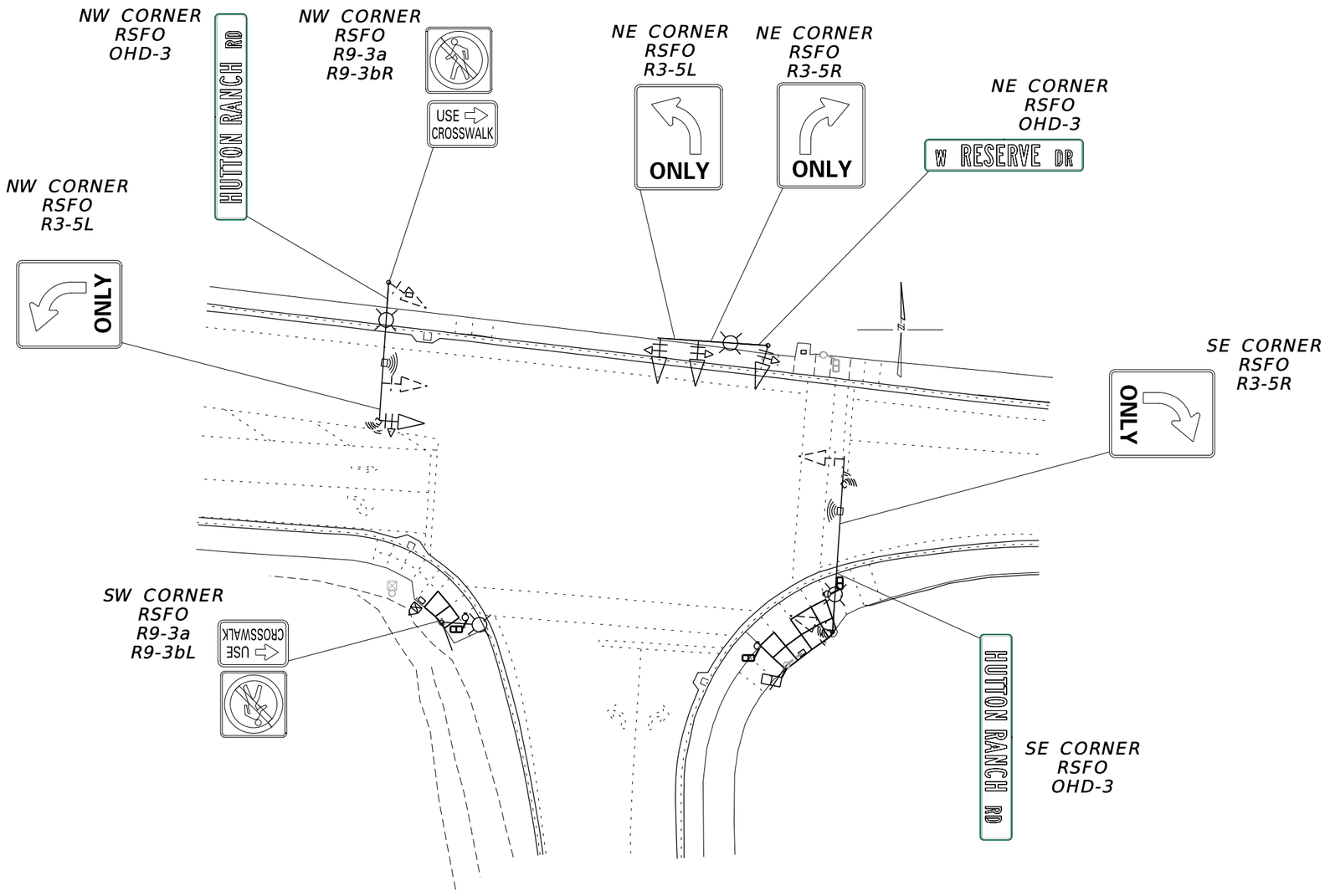
US 93 & W RESERVE DR / US 93 ALTERNATE



3	MDT MONTANA DEPARTMENT OF TRANSPORTATION	C:\DGN\9365000sipln003.dgn	DESIGNED BY	Name	Date	SIGNING PLANS		US 93 NORTH SIGNALS - KALISPELL	CMDP 6799 (48)
2		9/15/2021	REVIEWED BY						
1		3:04:31 PM CPS – U3827	CHECKED BY			FLATHEAD COUNTY		UPN 9365000	S14

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W RESERVE DR & HUTTON RANCH RD



3	MDT MONTANA DEPARTMENT OF TRANSPORTATION	C:\DGN\9365000sipln003.dgn	DESIGNED BY	Name	Date	SIGNING PLANS	US 93 NORTH SIGNALS - KALISPELL	CMDP 6799 (48)
2		9/15/2021	REVIEWED BY					
1		3:04:35 PM CPS – U382F	CHECKED BY			FLATHEAD COUNTY	UPN 9365000	SI5

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ELECTRICAL QUANTITY SUMMARY

CONWAY DRIVE AT US 93

	ITEM NO.	MATERIAL	TOTAL	UNIT
	616343930	CONDUIT-PLASTIC 3 IN	74	LNFT
	616783008	PULLBOX-COMPOSITE TYPE 3	1	EA
	617123110	CONDUCTOR-COPPER AWG10-600V	40	LNFT
	617233100	CONTROLLER-CAB PED-MODIFY	1	EA
	617513125	SIG-TRAF 4 COL-1 WAY 12-12-12-12	1	EA
*	617605040	CONTLR/TRAF-ACTUAT TYPE 8-A	1	EA
	617763500	DETECTOR-RADAR/PRESENCE	3	EA
	617763510	DETECTOR-RADAR/ADVANCE	2	EA
	617781000	REMOVE AND SALVAGE MISC ELECTRICAL	1 #	LS

INCLUDES ALL SITES

NORTHRIDGE DRIVE/COMMONS WAY AT US 93

	ITEM NO.	MATERIAL	TOTAL	UNIT
	616343920	CONDUIT-PLASTIC 2 IN	80	LNFT
	616343930	CONDUIT-PLASTIC 3 IN	30	LNFT
	616783007	PULLBOX-COMPOSITE TYPE 2	3	EA
	616783008	PULLBOX-COMPOSITE TYPE 3	1	EA
	617000000	FOUNDATION CONCRETE	2.09	CY
	617033314	CABLE-COPPER 5AWG14-600V	780	LNFT
	617033414	CABLE-COPPER 7AWG14-600V	1,035	LNFT
	617123110	CONDUCTOR-COPPER AWG10-600V	380	LNFT
	617503130	SIG-TRAF 3 COL-1 WAY 12-12-12	2	EA
	617513125	SIG-TRAF 4 COL-1 WAY 12-12-12-12	2	EA
	617553020	SIG-PEDESTRIAN TYPE 2	8	EA
*	617605040	CONTLR/TRAF-ACTUAT TYPE 8-A	1	EA
	617673100	SIG-STANDARD TYPE I-100	6	EA
	617763500	DETECTOR-RADAR/PRESENCE	4	EA
	617763510	DETECTOR-RADAR/ADVANCE	2	EA
	617903255	PUSH BUTTON-PEDESTRIAN-TACTILE	8	EA

HUTTON RANCH ROAD AT PLAZA ENTRANCE

ITEM NO.	MATERIAL	TOTAL	UNIT
616343920	CONDUIT-PLASTIC 2 IN	118	LNFT
616343930	CONDUIT-PLASTIC 3 IN	252	LNFT
616783007	PULLBOX-COMPOSITE TYPE 2	4	EA
616783008	PULLBOX-COMPOSITE TYPE 3	1	EA
617000000	FOUNDATION CONCRETE	1.69	CY
617033314	CABLE-COPPER 5AWG14-600V	651	LNFT
617033414	CABLE-COPPER 7AWG14-600V	913	LNFT
617123110	CONDUCTOR-COPPER AWG10-600V	365	LNFT
617513125	SIG-TRAF 4 COL-1 WAY 12-12-12-12	4	EA
617533000	SIG-TRAF-BACKPLATE-REFLECTIVE	4	EA
617553020	SIG-PEDESTRIAN TYPE 2	4	EA
617673080	SIG-STANDARD TYPE I-80	4	EA
617673100	SIG-STANDARD TYPE I-100	3	EA
617763510	DETECTOR-RADAR/ADVANCE	2	EA
617903255	PUSH BUTTON-PEDESTRIAN-TACTILE	8	EA

SUNNYVIEW LANE AT US 93

	ITEM NO.	MATERIAL	TOTAL	UNIT
	616343930	CONDUIT-PLASTIC 3 IN	82	LNFT
	616783008	PULLBOX-COMPOSITE TYPE 3	1	EA
	617033414	CABLE-COPPER 7AWG14-600V	190	LNFT
	617123110	CONDUCTOR-COPPER AWG10-600V	45	LNFT
	617233100	CONTROLLER-CAB PED-MODIFY	1	EA
	617513125	SIG-TRAF 4 COL-1 WAY 12-12-12-12	1	EA
	617553020	SIG-PEDESTRIAN TYPE 2	2	EA
*	617605040	CONTLR/TRAF-ACTUAT TYPE 8-A	1	EA
	617763500	DETECTOR-RADAR/PRESENCE	3	EA
	617763510	DETECTOR-RADAR/ADVANCE	2	EA
	617903255	PUSH BUTTON-PEDESTRIAN-TACTILE	2	EA

FOUR MILE DRIVE/GRANDVIEW DRIVE AT US 93

ITEM NO.	MATERIAL	TOTAL	UNIT
616343920	CONDUIT-PLASTIC 2 IN	274	LNFT
616343930	CONDUIT-PLASTIC 3 IN	203	LNFT
616783007	PULLBOX-COMPOSITE TYPE 2	7	EA
616783008	PULLBOX-COMPOSITE TYPE 3	1	EA
617000000	FOUNDATION CONCRETE	2.44	CY
617033314	CABLE-COPPER 5AWG14-600V	625	LNFT
617033414	CABLE-COPPER 7AWG14-600V	1,280	LNFT
617123110	CONDUCTOR-COPPER AWG10-600V	655	LNFT
617503130	SIG-TRAF 3 COL-1 WAY 12-12-12	2	EA
617513125	SIG-TRAF 4 COL-1 WAY 12-12-12-12	2	EA
617553020	SIG-PEDESTRIAN TYPE 2	8	EA
617673100	SIG-STANDARD TYPE I-100	7	EA
617763510	DETECTOR-RADAR/ADVANCE	2	EA
617903255	PUSH BUTTON-PEDESTRIAN-TACTILE	8	EA

HUTTON RANCH ROAD AT WEST RESERVE DRIVE

ITEM NO.	MATERIAL	TOTAL	UNIT
616343920	CONDUIT-PLASTIC 2 IN	172	LNFT
616343930	CONDUIT-PLASTIC 3 IN	95	LNFT
616783007	PULLBOX-COMPOSITE TYPE 2	3	EA
617000000	FOUNDATION CONCRETE	1.05	CY
617033314	CABLE-COPPER 5AWG14-600V	171	LNFT
617033414	CABLE-COPPER 7AWG14-600V	310	LNFT
617123110	CONDUCTOR-COPPER AWG10-600V	270	LNFT
617503130	SIG-TRAF 3 COL-1 WAY 12-12-12	3	EA
617513125	SIG-TRAF 4 COL-1 WAY 12-12-12-12	1	EA
617553020	SIG-PEDESTRIAN TYPE 2	3	EA
617673100	SIG-STANDARD TYPE I-100	3	EA
617763510	DETECTOR-RADAR/ADVANCE	2	EA
617903255	PUSH BUTTON-PEDESTRIAN-TACTILE	3	EA

NORTH MERIDIAN ROAD AT US 93

	ITEM NO.	MATERIAL	TOTAL	UNIT
	616343920	CONDUIT-PLASTIC 2 IN	230	LNFT
	616343930	CONDUIT-PLASTIC 3 IN	12	LNFT
	616783007	PULLBOX-COMPOSITE TYPE 2	3	EA
	616783008	PULLBOX-COMPOSITE TYPE 3	2	EA
	617000000	FOUNDATION CONCRETE	1.84	CY
	617033414	CABLE-COPPER 7AWG14-600V	750	LNFT
	617123110	CONDUCTOR-COPPER AWG10-600V	515	LNFT
	617553020	SIG-PEDESTRIAN TYPE 2	5	EA
	617673080	SIG-STANDARD TYPE I-80	1	EA
	617673100	SIG-STANDARD TYPE I-100	5	EA
	617763500	DETECTOR-RADAR/PRESENCE	3	EA
	617763510	DETECTOR-RADAR/ADVANCE	2	EA
	617903255	PUSH BUTTON-PEDESTRIAN-TACTILE	6	EA

OLD RESERVE DR/HUTTON RANCH RD AT US 93

	ITEM NO.	MATERIAL	TOTAL	UNIT
	616343920	CONDUIT-PLASTIC 2 IN	183	LNFT
	616343930	CONDUIT-PLASTIC 3 IN	322	LNFT
	616783007	PULLBOX-COMPOSITE TYPE 2	3	EA
	616783008	PULLBOX-COMPOSITE TYPE 3	1	EA
	617000000	FOUNDATION CONCRETE	2.44	CY
	617033314	CABLE-COPPER 5AWG14-600V	980	LNFT
	617033414	CABLE-COPPER 7AWG14-600V	1,449	LNFT
	617123110	CONDUCTOR-COPPER AWG10-600V	505	LNFT
	617513125	SIG-TRAF 4 COL-1 WAY 12-12-12-12	4	EA
	617553020	SIG-PEDESTRIAN TYPE 2	8	EA
*	617605040	CONTLR/TRAF-ACTUAT TYPE 8-A	1	EA
	617673100	SIG-STANDARD TYPE I-100	7	EA
	617763500	DETECTOR-RADAR/PRESENCE	4	EA
	617763510	DETECTOR-RADAR/ADVANCE	2	EA
	617903255	PUSH BUTTON-PEDESTRIAN-TACTILE	8	EA

ALTERNATIVE 93/WEST RESERVE AT US HIGHWAY 93

ITEM NO.	MATERIAL	TOTAL	UNIT
616343920	CONDUIT-PLASTIC 2 IN	50	LNFT
616343930	CONDUIT-PLASTIC 3 IN	502	LNFT
616783007	PULLBOX-COMPOSITE TYPE 2	5	EA
616783008	PULLBOX-COMPOSITE TYPE 3	1	EA
617033314	CABLE-COPPER 5AWG14-600V	535	LNFT
617123110	CONDUCTOR-COPPER AWG10-600V	550	LNFT
617513125	SIG-TRAF 4 COL-1 WAY 12-12-12-12	2	EA
617763510	DETECTOR-RADAR/ADVANCE	4	EA
617903255	PUSH BUTTON-PEDESTRIAN-TACTILE	8	EA

QUANTITY SUMMARY

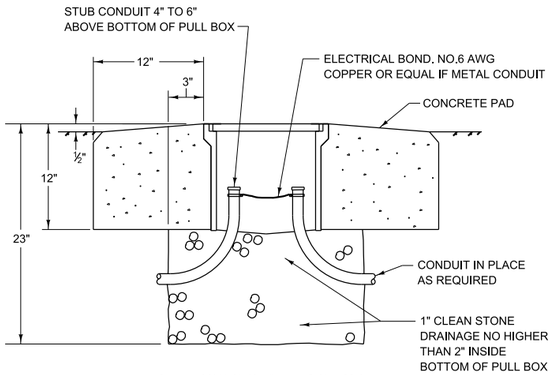
NO SCALE

* INDICATES STATE-FURNISHED MATERIAL

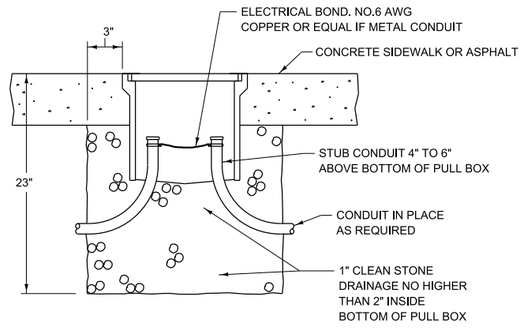
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2		9/15/2021	REVIEWED BY	S. GERKEN	12/13/2019			
		2:54:26 PM CPS - U382P	CHECKED BY	B. NUNNALLEE	06/16/2021	FLATHEAD COUNTY	9365000	SHEET E1

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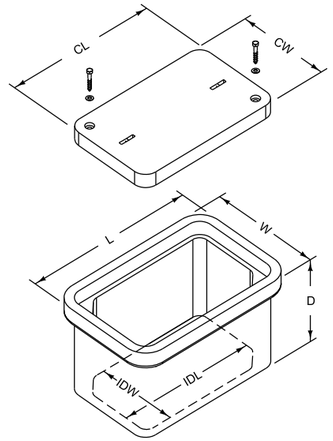


PULL BOX INSTALLED IN DIRT



PULL BOX INSTALLED IN A SIDEWALK OR ASPHALT

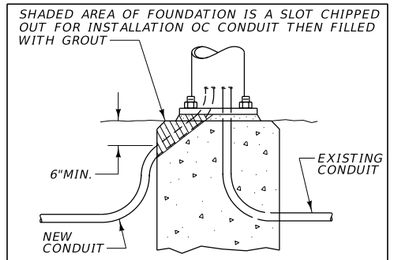
PULL BOX - COMPOSITE MINIMUM DIMENSIONS								
TYPE 1			TYPE 2			TYPE 3		
L	=	20"	L	=	25"	L	=	32"
W	=	13"	W	=	15"	W	=	19"
D	=	12"	D	=	12"	D	=	12"
I D L	=	17"	I D L	=	21"	I D L	=	28"
I D W	=	10"	I D W	=	11"	I D W	=	15"
C L	=	18"	C L	=	23"	C L	=	30"
C W	=	11"	C W	=	13"	C W	=	17"



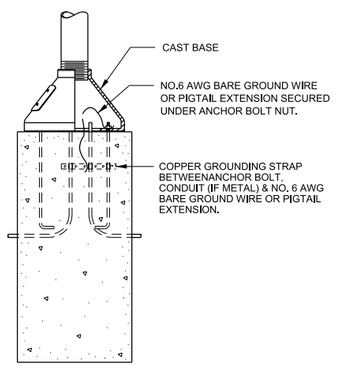
PULL BOX-COMPOSITE

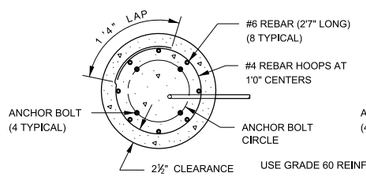
TYPE 1,2 & 3

NO SCALE



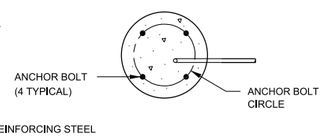
INSTALLATION OF CONDUIT
INTO EXISTING POLE BASE



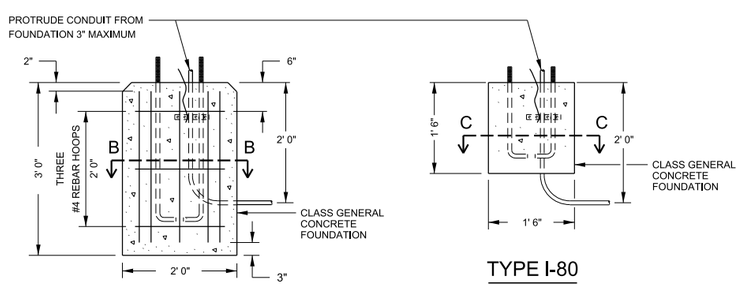


USE GRADE 60 REINFORCING STEEL

SECTION B-B

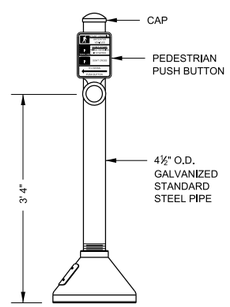


SECTION C-C

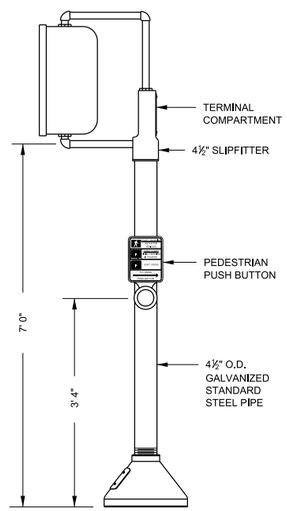


TYPE I-I20 & I-I00

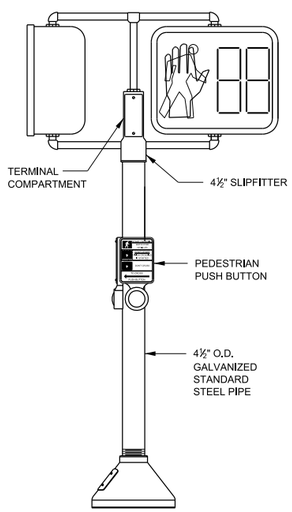
TYPE I-80



TYPE I-80



TYPE I-I00

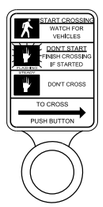


TYPE I-I20

ARROW TO BE LEFT OR RIGHT,
OR BOTH AS REQUIRED.

5" x 7¾" ALUMINUM
SIGN, BLACK LETTERS
ON WHITE BACKGROUND.

BACK OF CASTING SHAPED TO
FIT CURVATURE OF POST. FOR
MOUNTING ON PEDESTRIAN PUSH
BUTTON POST, FORM CASTING
TO FIT TOP OF POST.



PEDESTRIAN PUSH BUTTON

TYPE I SIGNAL STANDARDS,
FOUNDATION DETAILS &
PEDESTRIAN PUSH BUTTONS

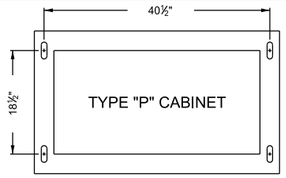
NO SCALE

3 1	MDT MONTANA DEPARTMENT OF TRANSPORTATION	C:\DGN\9365000eldet001.dgn 9/15/2021 2:54:30 PM CPS - U382	DESIGNED BY REVIEWED BY CHECKED BY	K. JOHNSON S. GERKEN B. NUNNALLEE	12/13/2019 12/13/2019 06/16/2021	ELECTRICAL PLANS FLATHEAD COUNTY		US 93 NORTH SIGNALS - KALISPELL 9365000	CMDP 6799(48) SHEET E2

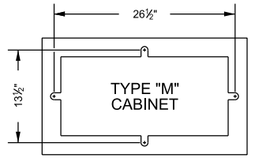
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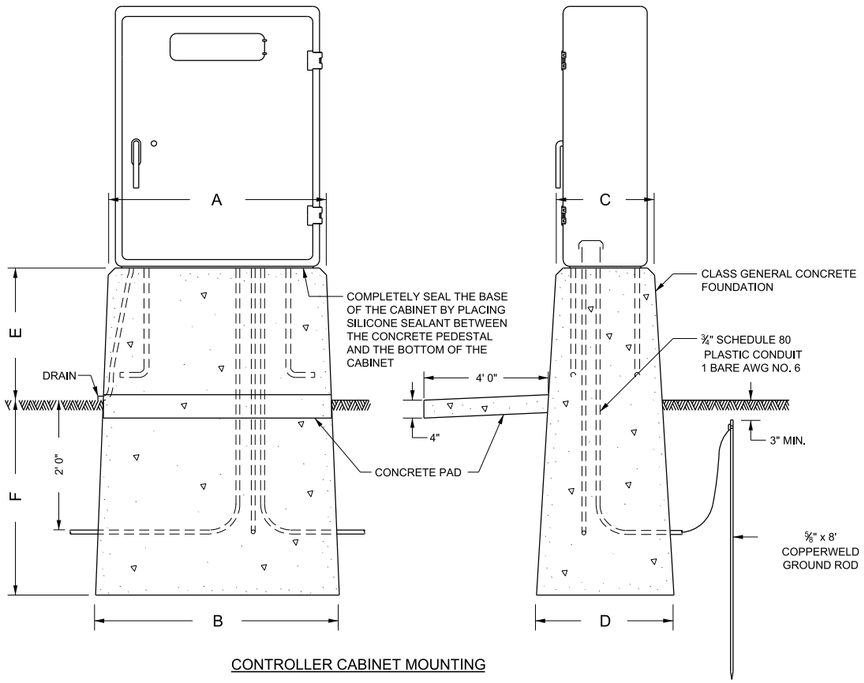
ANCHOR BOLT PATTERN
(VERIFY BEFORE PLACING ANCHOR BOLTS)



NOTE:
LOCATE CONDUITS NEAR THE CENTER OF THE PEDESTAL - BETWEEN 6" AND 10" FROM THE FRONT OF THE CABINET.
EXTEND CONDUIT 2" TO 4" ABOVE THE CONCRETE PEDESTAL.



NOTE:
LOCATE CONDUITS NEAR THE CENTER OF THE PEDESTAL - BETWEEN 4" AND 8" FROM THE FRONT OF THE CABINET.
EXTEND CONDUIT 2" TO 4" ABOVE THE CONCRETE PEDESTAL.



CONTROLLER CABINET MOUNTING

CONCRETE PEDESTAL DIMENSIONS

	A	B	C	D	E	F
TYPE M	2' 10"	3' 2"	1' 7"	2' 0"	2' 0"	3' 0"
TYPE P	4' 0"	4' 4"	2' 4"	2' 9"	2' 0"	3' 0"

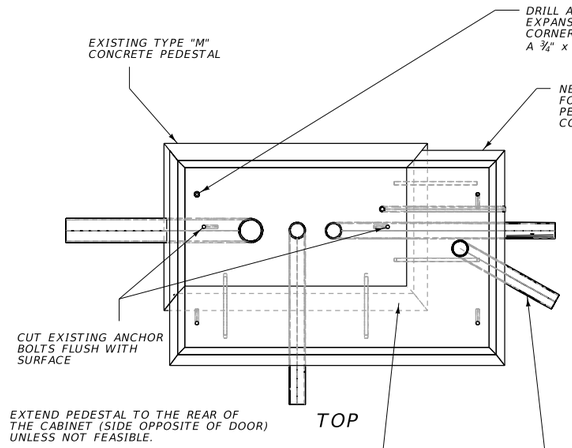
TYPICAL CABINET DIMENSIONS

	WIDTH	HEIGHT	DEPTH
TYPE M	2' 6"	4' 2"	1' 5"
TYPE P	3' 8"	4' 6"	2' 2"

PEDESTAL MOUNTINGS FOR TYPE "M" AND TYPE "P" CONTROLLER CABINETS

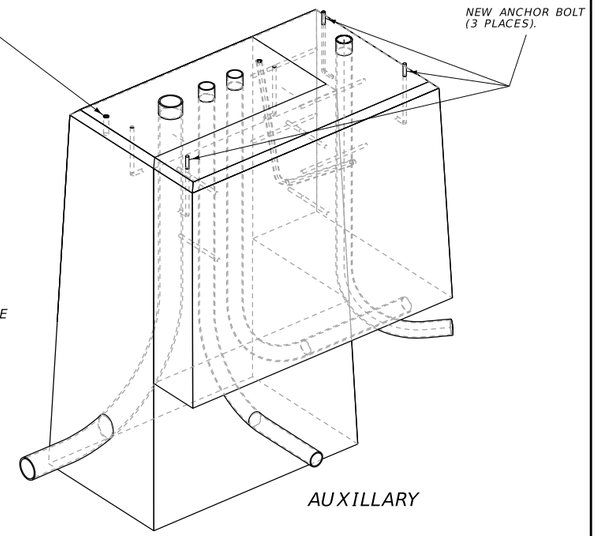
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REVISED 22-FEB-2011



TOP

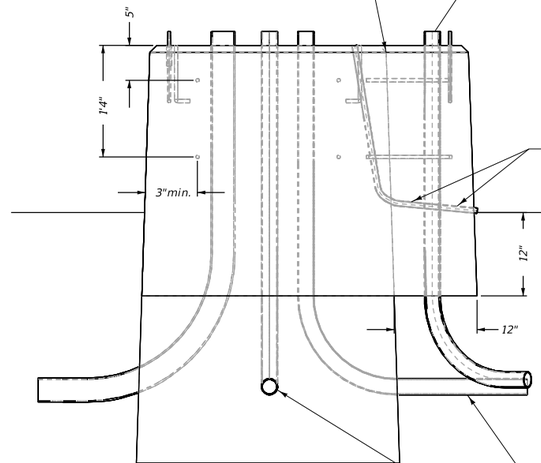
NOTE: CONDUITS SHOWN ARE FOR EXAMPLE ONLY. ACTUAL CONDUIT LOCATIONS MAY VARY.



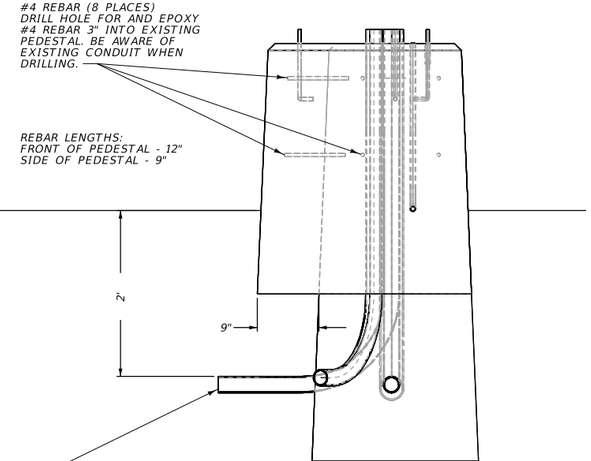
AUXILLARY

CHEMICALLY BOND NEW CONCRETE TO EXISTING PEDESTAL

NEW CONDUIT IF REQUIRED



FRONT



RIGHT SIDE

EXISTING CONDUITS (TYP.)

NO SCALE

TYPE "M" TO TYPE "P" CONTROLLER CABINET PEDESTAL CONVERSION

MTOP

REVISED 22-FEB-2000

2 1	MDT MONTANA DEPARTMENT OF TRANSPORTATION	C:\DGN\9365000eldet001.dgn	DESIGNED BY	K. JOHNSON	12/13/2019	ELECTRICAL PLANS	US 93 NORTH SIGNALS - KALISPELL / CMDP 6799(48)
		9/15/2021	REVIEWED BY	S. GERKEN	12/13/2019		
		2:54:35 PM CPS - U382F	CHECKED BY	B. NUNNALLEE	06/16/2021	FLATHEAD COUNTY	9365000 / SHEET E3

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CONDUIT & WIRE SCHEDULE

A EXISTING 2" STEEL CONDUIT
NEW 3 OF RADAR DETECTION CABLE (VEH DETECTION)
EXISTING 12AWG14 (SIGNALS)
REMOVE EXISTING VIDEO CABLE

B EXISTING 2" STEEL CONDUIT
NEW RADAR DETECTION CABLE (VEH DETECTION)
REMOVE EXISTING VIDEO CABLE

C EXISTING EMPTY 3" PLASTIC CONDUIT
NEW 3 OF RADAR DETECTION CABLE (VEH DETECTION)
REMOVE EXISTING VIDEO CABLES

D EXISTING 2" STEEL CONDUIT
NEW 2 OF RADAR DETECTION CABLE (VEH DETECTION)
REMOVE EXISTING VIDEO CABLES

E NEW 2 OF 3" PLASTIC CONDUIT
NEW 5 OF RADAR DETECTION CABLE (VEH DETECTION)
NEW AWG10 (GROUND)

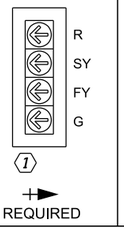
ELECTRICAL LEGEND

CONDUIT	
PULL BOX	
SIGNAL CONTROLLER	
TRAFFIC SIGNAL HEAD	
PEDESTRIAN SIGNAL HEAD	
LUMINAIRE HEAD	
TRAFFIC SIGNAL POLE	
VIDEO DETECTION CAMERA	

PULL BOX SCHEDULE

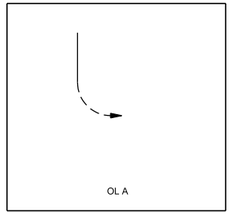
NO.	TYPE
PB1	TYPE 3

SIGNAL INDICATIONS

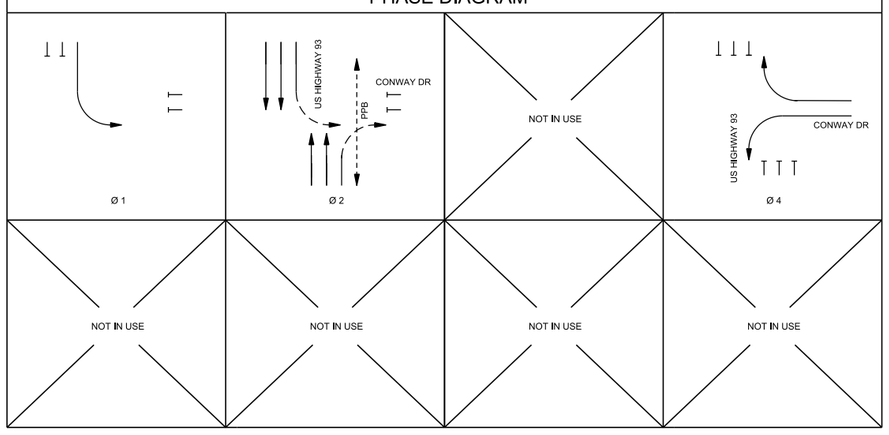


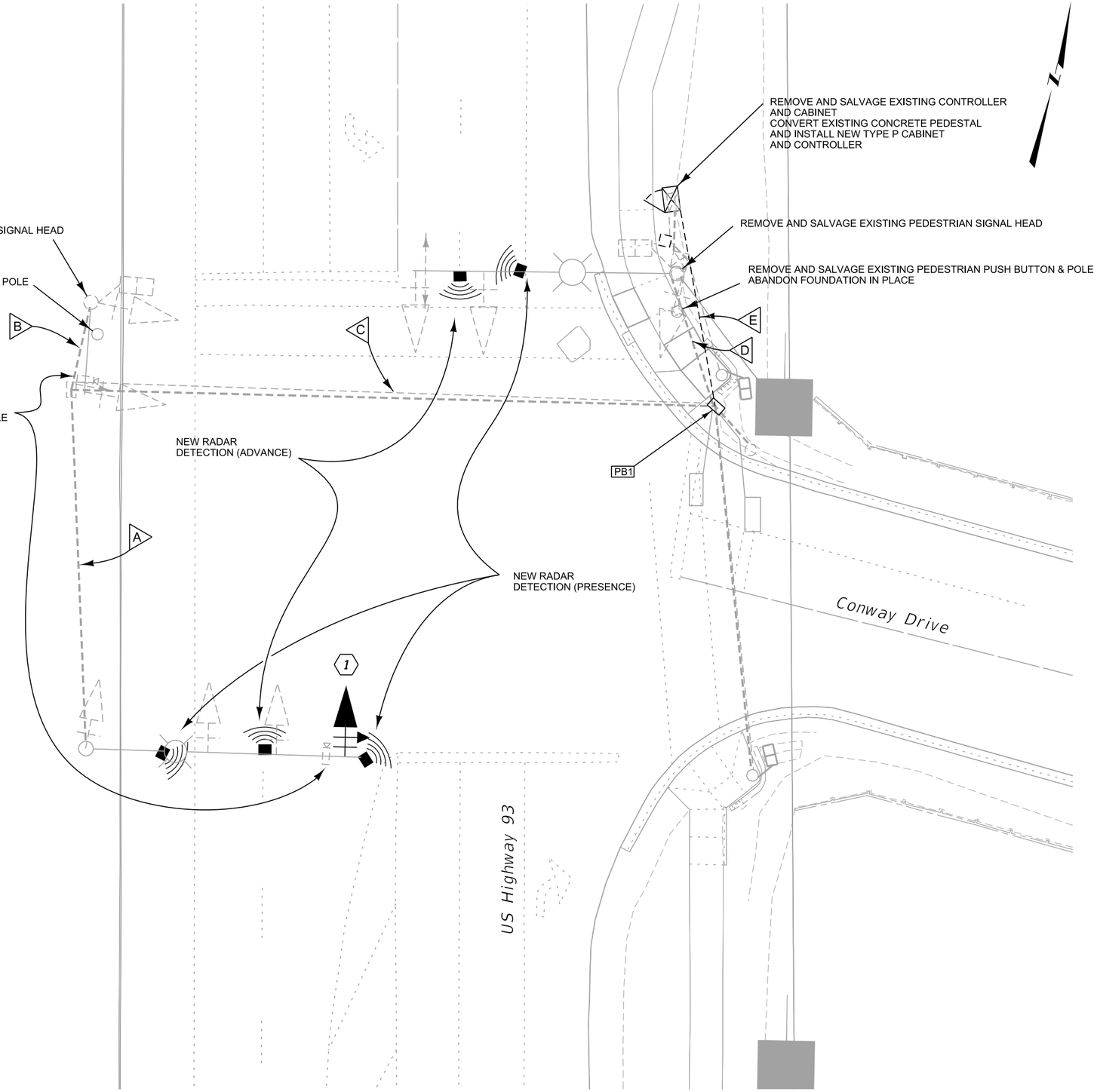
1 REQUIRED

SY = STEADY YELLOW
FY = FLASHING YELLOW



PHASE DIAGRAM





3	MDT MONTANA DEPARTMENT OF TRANSPORTATION	C:\DGN\9365000elpln001.dgn	DESIGNED BY	K. JOHNSON	12/13/2019	ELECTRICAL PLANS	US 93 NORTH SIGNALS - KALISPELL / 9365000	CMDP 6799(48)
2		9/15/2021	REVIEWED BY	S. GERKEN	12/13/2019	FLATHEAD COUNTY		SHEET E4
		2:54:58 PM CPS - U382	CHECKED BY	B. NUNNALLEE	06/16/2021			

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CONDUIT & WIRE SCHEDULE

A EXISTING 2" STEEL CONDUIT
NEW 3 OF RADAR DETECTION CABLE (VEH DETECTION)
EXISTING 12AWG14 (SIGNALS)
REMOVE EXISTING VIDEO CABLE

B EXISTING 2" STEEL CONDUIT
NEW RADAR DETECTION CABLE (VEH DETECTION)
REMOVE EXISTING VIDEO CABLE

C EXISTING EMPTY 3" PLASTIC CONDUIT
NEW 3 OF RADAR DETECTION CABLE (VEH DETECTION)
REMOVE EXISTING VIDEO CABLE

D EXISTING 2" STEEL CONDUIT
NEW 2 OF RADAR DETECTION CABLE (VEH DETECTION)
REMOVE EXISTING VIDEO CABLES

E NEW 2 OF 3" PLASTIC CONDUIT
NEW 5 OF RADAR DETECTION CABLE (VEH DETECTION)
NEW 7AWG14 (PED BUTTONS)
NEW AWG10 (GROUND)

F EXISTING 2" PLASTIC CONDUIT
NEW 7AWG14 (PED BUTTONS)

ELECTRICAL LEGEND

CONDUIT	
PULL BOX	
SIGNAL CONTROLLER	
TRAFFIC SIGNAL HEAD	
PEDESTRIAN SIGNAL HEAD	
LUMINAIRE HEAD	
TRAFFIC SIGNAL POLE	
VIDEO DETECTION CAMERA	

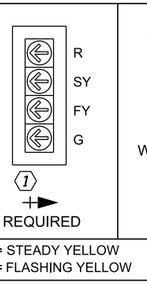
PULL BOX SCHEDULE

NO.	TYPE
PB1	TYPE 3

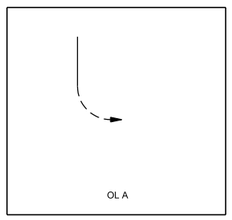
PEDESTRIAN PUSH BUTTON

POLE NO.	← LEFT ARROW	→ RIGHT ARROW
N/A		1
N/A	1	

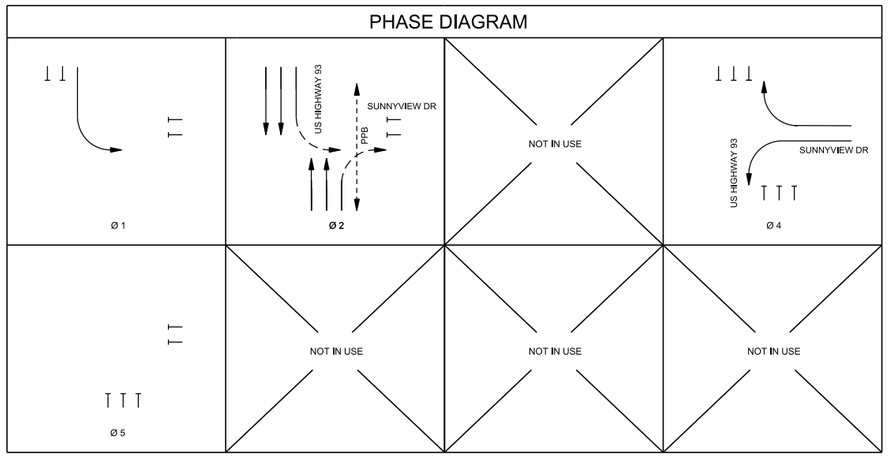
SIGNAL INDICATIONS

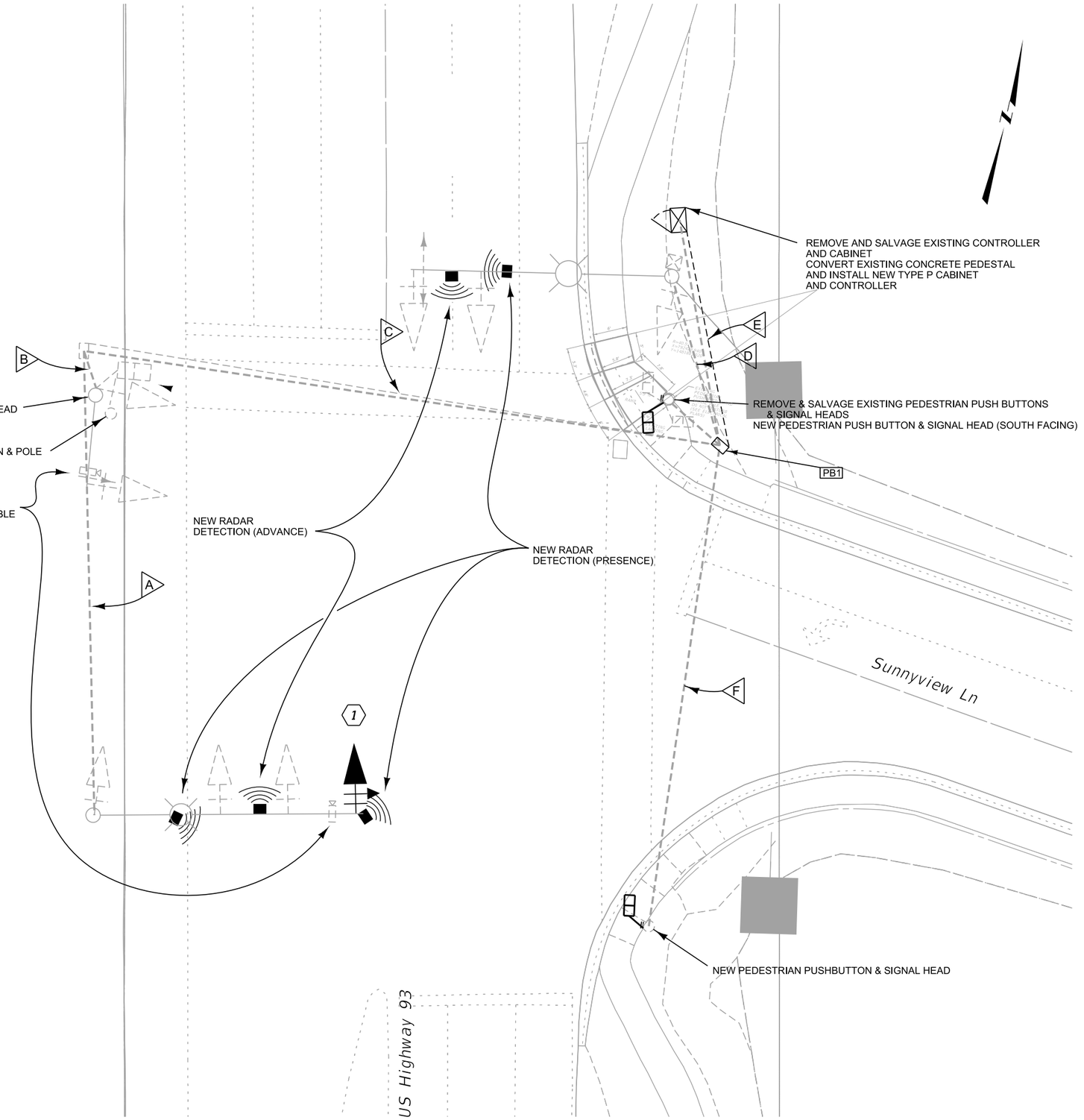


SY = STEADY YELLOW
FY = FLASHING YELLOW



PHASE DIAGRAM





3 / 1	MDT MONTANA DEPARTMENT OF TRANSPORTATION	C:\DGN\9365000elpln001.dgn	DESIGNED BY	K. JOHNSON	12/13/2019	ELECTRICAL PLANS	US 93 NORTH SIGNALS - KALISPELL / CMDP 6799(48)
		9/15/2021	REVIEWED BY	S. GERKEN	12/13/2019		
		2:55:03 PM CPS - U382	CHECKED BY	B. NUNNALLEE	06/16/2021	FLATHEAD COUNTY	9365000 / SHEET E5

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CONDUIT & WIRE SCHEDULE

A NEW 2" PLASTIC CONDUIT
NEW 7AWG14 (PED BUTTONS)
NEW AWG10 (GROUND)

C EXISTING 2" PLASTIC CONDUIT
NEW RADAR DETECTION CABLE (VEH DETECTION)

D EXISTING EMPTY 2" PLASTIC CONDUIT
NEW RADAR DETECTION CABLE (VEH DETECTION)
NEW AWG10 (GROUND)

E EXISTING EMPTY 3" PLASTIC CONDUIT
NEW 3 OF RADAR DETECTION CABLE (VEH DETECTION)
NEW 4 OF 7AWG14 (PED BUTTONS)
NEW AWG10 (GROUND)

F EXISTING 3 OF 2.5" STEEL CONDUIT
NEW 5 OF RADAR DETECTION CABLE (VEH DETECTION)
NEW 6 OF 7AWG14 (PED BUTTONS)

G EXISTING EMPTY 2" PLASTIC CONDUIT
NEW 2 OF RADAR DETECTION CABLE (VEH DETECTION)
NEW 7AWG14 (PED BUTTONS)
NEW AWG10 (GROUND)

H NEW 2" PLASTIC CONDUIT
NEW 2 OF RADAR DETECTION CABLE (VEH DETECTION)
NEW AWG10 (GROUND)

ELECTRICAL LEGEND

CONDUIT	
PULL BOX	
SIGNAL CONTROLLER	
TRAFFIC SIGNAL HEAD	
PEDESTRIAN SIGNAL HEAD	
LUMINAIRE HEAD	
TRAFFIC SIGNAL POLE	
VIDEO DETECTION CAMERA	

SIGNAL INDICATIONS

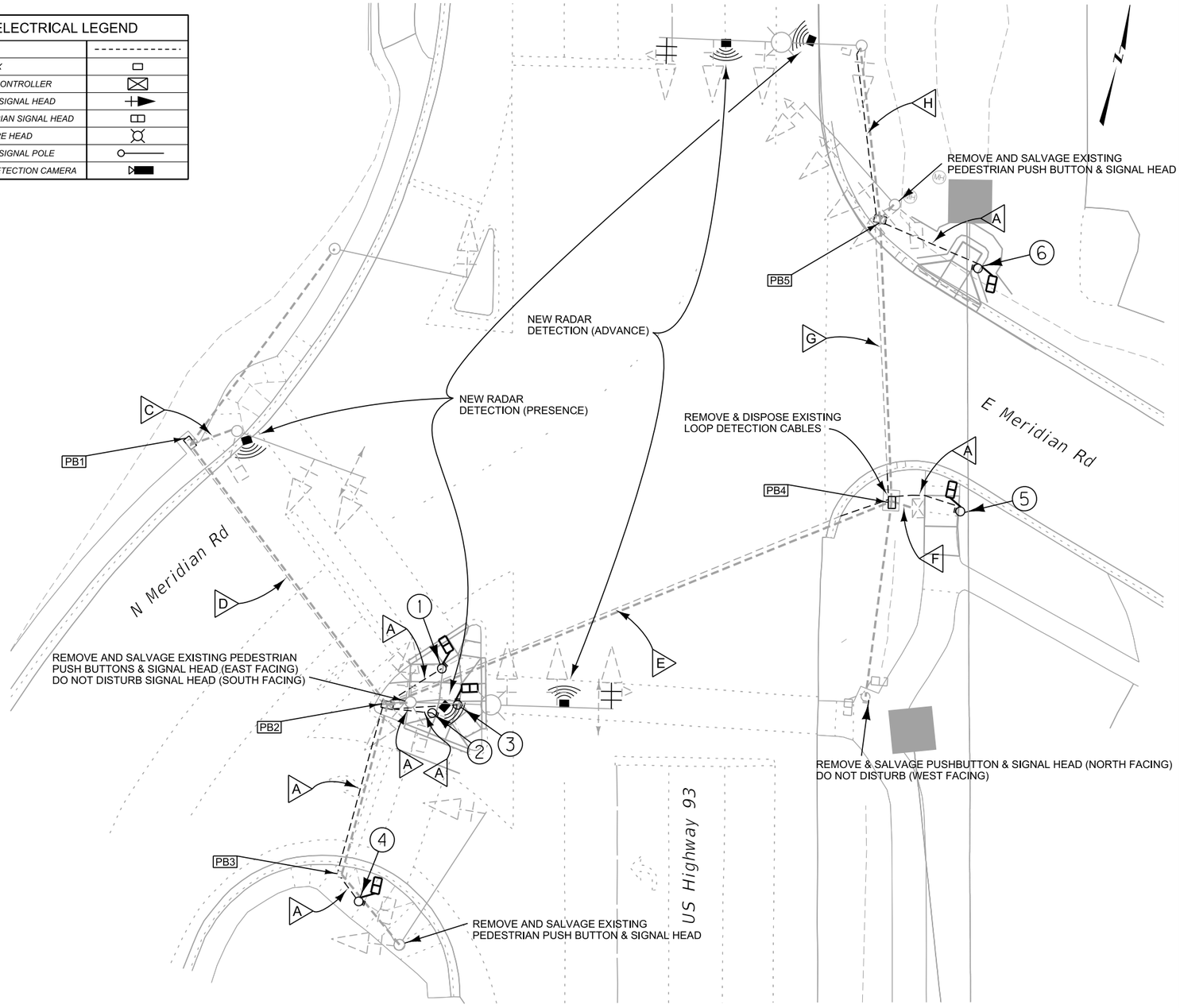


LED
WITH COUNTDOWN

5 REQUIRED

PEDESTRIAN PUSH BUTTON

POLE NO.	← LEFT ARROW	→ RIGHT ARROW
1		1
2	1	
3	1	
4		1
5	1	
6		1



PULL BOX SCHEDULE

NO.	TYPE
PB1	TYPE 2
PB2	TYPE 3
PB3	TYPE 2
PB4	TYPE 3
PB5	TYPE 2

POLE SCHEDULE

POLE NO.	ITEM NO.	TYPE	TYPE POLE BASE	FOUNDATION DIA. x DEPTH	SIGNAL MASTARM	LUMINAIRE MASTARM	LUMINAIRE HEIGHT	LUMINAIRE TYPE	N OR Y COORDINATE	E OR X COORDINATE	POLE NO.
1	617 673 100	1-100	BREAKAWAY	2' 0" x 3' 0"	-	-	-	-	1,482,516.308	792,201.426	1
2	617 673 080	1-80	BREAKAWAY	1' 6" x 1' 6"	-	-	-	-	1,482,505.944	792,201.421	2
3	617 673 100	1-100	BREAKAWAY	2' 0" x 3' 0"	-	-	-	-	1,482,508.985	792,206.687	3
4	617 673 100	1-100	BREAKAWAY	2' 0" x 3' 0"	-	-	-	-	1,482,460.435	792,194.087	4
5	617 673 100	1-100	BREAKAWAY	2' 0" x 3' 0"	-	-	-	-	1,482,576.222	792,309.413	5
6	617 673 100	1-100	BREAKAWAY	2' 0" x 3' 0"	-	-	-	-	1,482,631.237	792,301.679	6

NOTE: POLE LOCATIONS ARE APPROXIMATE. MINOR ADJUSTMENT IS ALLOWED IN THE FIELD.

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AWARD COPY

CONDUIT & WIRE SCHEDULE

A NEW 2" PLASTIC CONDUIT
NEW 7AWG14 (PED BUTTONS)
NEW AWG10 (GROUND)

B EXISTING EMPTY 2" PLASTIC CONDUIT
NEW 2 OF RADAR DETECTION CABLE (VEH DETECTION)
NEW 2 OF 7AWG14(PED BUTTONS)
NEW 5AWG14 (SIGNAL)
NEW AWG10 (GROUND)

C NEW 2 OF 3" PLASTIC CONDUIT
NEW 6 OF RADAR DETECTION CABLE (VEH DETECTION)
NEW 8 OF 7AWG14 (PED BUTTONS)
NEW 4 OF 5AWG14(SIGNALS)
NEW AWG10 (GROUND)

D EXISTING EMPTY 3" PLASTIC CONDUIT
NEW 3 OF RADAR DETECTION CABLE (VEH DETECTION)
NEW 4 OF 7AWG14 (PED BUTTONS)
NEW 2 OF 5AWG14 (SIGNALS)
NEW AWG10 (GROUND)

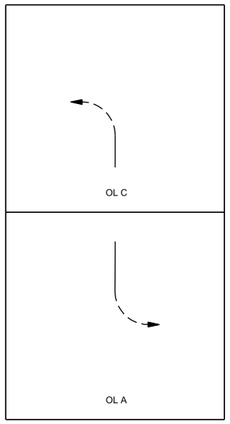
E EXISTING EMPTY 2" PLASTIC CONDUIT
NEW RADAR DETECTION CABLE (VEH DETECTION)
NEW 2 OF 7AWG14 (PED BUTTONS)
NEW 5AWG14 (SIGNAL)
NEW AWG10 (GROUND)

ELECTRICAL LEGEND

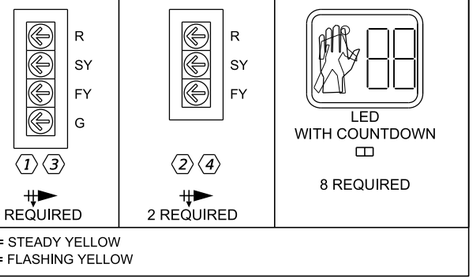
CONDUIT	
PULL BOX	
SIGNAL CONTROLLER	
TRAFFIC SIGNAL HEAD	
PEDESTRIAN SIGNAL HEAD	
LUMINAIRE HEAD	
TRAFFIC SIGNAL POLE	
VIDEO DETECTION CAMERA	

PEDESTRIAN PUSH BUTTON

POLE NO.	LEFT ARROW	RIGHT ARROW
1	1	
2		1
3	1	
4		1
5	1	
6		1
N/A	1	
N/A	1	

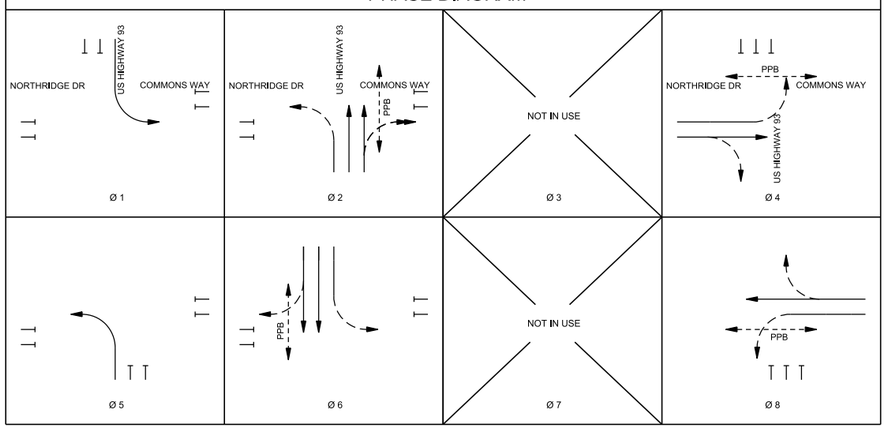


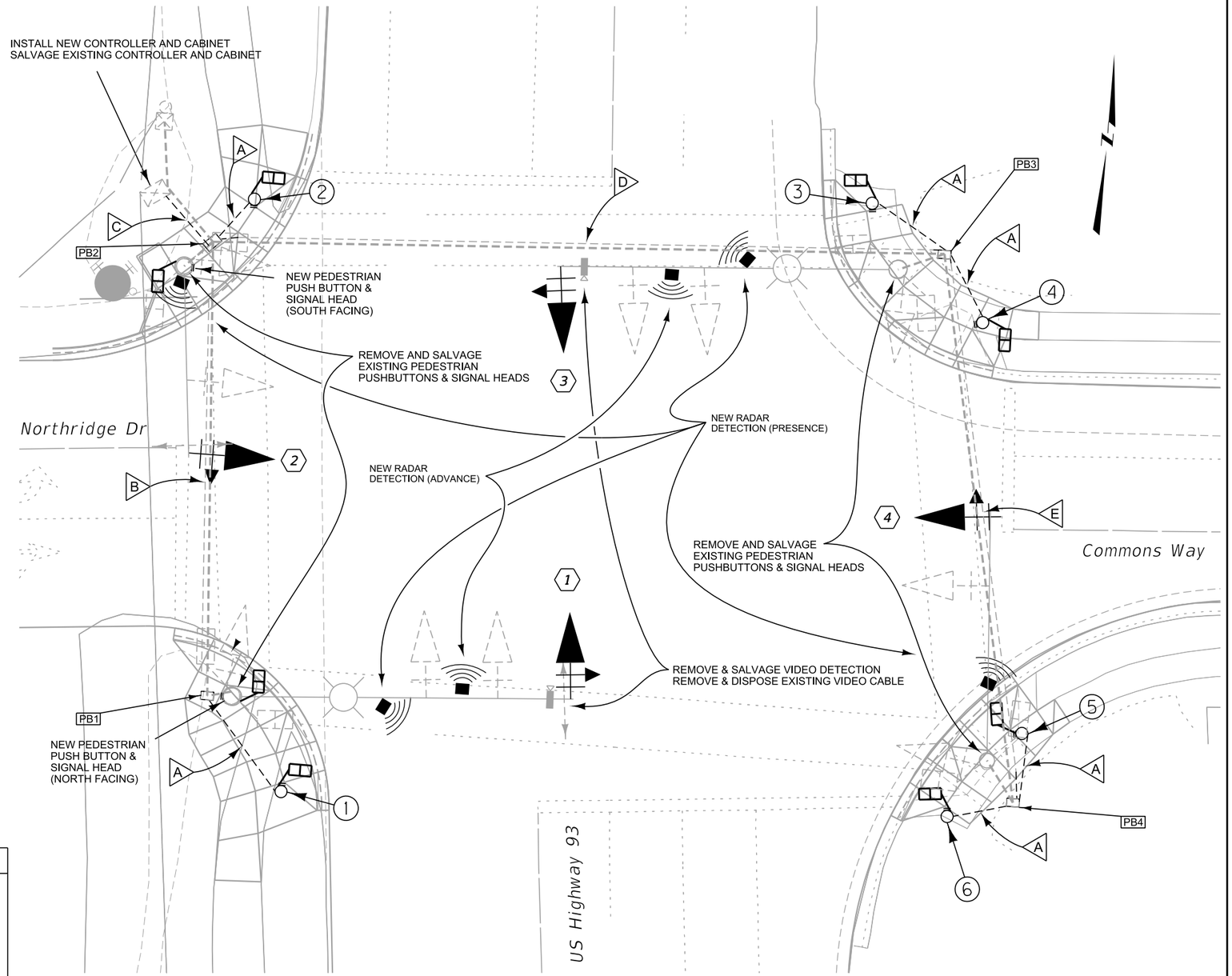
SIGNAL INDICATIONS



SY = STEADY YELLOW
FY = FLASHING YELLOW

PHASE DIAGRAM





PULL BOX SCHEDULE

NO.	TYPE
PB1	TYPE 2
PB2	TYPE 3
PB3	TYPE 2
PB4	TYPE 2

POLE SCHEDULE

POLE NO.	ITEM NO.	TYPE	TYPE POLE BASE	FOUNDATION DIA. x DEPTH	SIGNAL MASTARM	LUMINAIRE MASTARM	LUMINAIRE HEIGHT	LUMINAIRE TYPE	N OR Y COORDINATE	E OR X COORDINATE	POLE NO.
1	617 673 100	1-100	BREAKAWAY	2' 0" x 3' 0"	-	-	-	-	1,483,431.133	792,021.866	1
2	617 673 100	1-100	BREAKAWAY	2' 0" x 3' 0"	-	-	-	-	1,483,528.216	792,009.614	2
3	617 673 100	1-100	BREAKAWAY	2' 0" x 3' 0"	-	-	-	-	1,483,535.767	792,111.289	3
4	617 673 100	1-100	BREAKAWAY	2' 0" x 3' 0"	-	-	-	-	1,483,517.608	792,131.048	4
5	617 673 100	1-100	BREAKAWAY	2' 0" x 3' 0"	-	-	-	-	1,483,450.547	792,142.965	5
6	617 673 100	1-100	BREAKAWAY	2' 0" x 3' 0"	-	-	-	-	1,483,435.893	792,131.772	6

NOTE: POLE LOCATIONS ARE APPROXIMATE. MINOR ADJUSTMENT IS ALLOWED IN THE FIELD.

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AWARD COPY

CONDUIT & WIRE SCHEDULE

- A: NEW 2" PLASTIC CONDUIT
  NEW 7AWG14 (PED BUTTONS)
  NEW AWG10 (GROUND)
- B: NEW 2" PLASTIC CONDUIT
  NEW 5AWG14 (SIGNAL)
  NEW RADAR DETECTION CABLE
  NEW AWG10 (GROUND)
- C: NEW 3" PLASTIC CONDUIT
  NEW 4 OF 7AWG14 (PED BUTTONS)
  NEW AWG10 (GROUND)
- D: EXISTING EMPTY 2" PLASTIC CONDUIT
  NEW 3 OF 7AWG14 (PED BUTTONS)
  NEW AWG10 (GROUND)
- E: EXISTING 2" STEEL CONDUIT
  NEW 7AWG14 (PED BUTTONS)
- F: NEW 2" PLASTIC CONDUIT
  NEW 2 OF 7AWG14 (PED BUTTONS)
  NEW AWG10 (GROUND)
- G: EXISTING EMPTY 3" PLASTIC CONDUIT
  NEW 7AWG14 (PED BUTTONS)
  NEW AWG10 (GROUND)
- H: NEW 2" PLASTIC CONDUIT
  NEW 5AWG14 (SIGNALS)
  NEW RADAR DETECTION CABLE
  NEW AWG10 (GROUND)
- I: EXISTING EMPTY 2" PLASTIC CONDUIT
  NEW 7AWG14 (PED BUTTONS)
  NEW 5AWG14 (SIGNAL)
  NEW RADAR DETECTION CABLE
  NEW AWG10 (GROUND)
- J: NEW 3" PLASTIC CONDUIT
  NEW 2 OF 7AWG14 (PED BUTTONS)
  NEW 5AWG14 (SIGNALS)
  NEW RADAR DETECTION CABLE
  NEW AWG10 (GROUND)
- K: NEW 3" PLASTIC CONDUIT
  NEW 3 OF 7AWG14 (PED BUTTONS)
  NEW 5AWG14 (SIGNALS)
  NEW RADAR DETECTION CABLE
  NEW AWG10 (GROUND)

PEDESTRIAN PUSH BUTTON

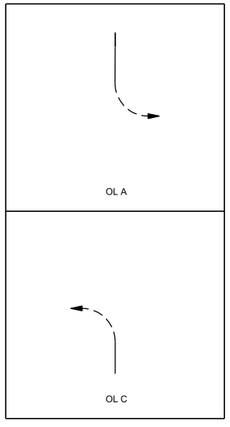
POLE NO.	LEFT ARROW	RIGHT ARROW
1	1	
2		1
3	1	1
4	1	
5		1
6	1	
7		1
N/A		1

PULL BOX SCHEDULE

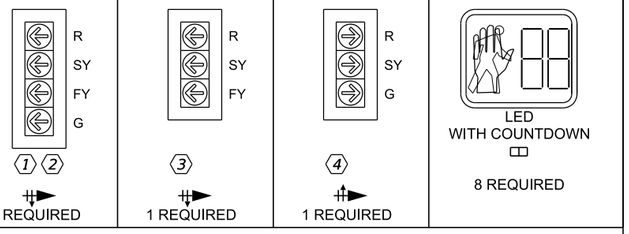
NO.	TYPE
PB1	TYPE 2
PB2	TYPE 3
PB3	TYPE 2
PB4	TYPE 2
PB5	TYPE 2
PB6	TYPE 2
PB7	TYPE 2
PB8	TYPE 2

ELECTRICAL LEGEND

CONDUIT	
PULL BOX	
SIGNAL CONTROLLER	
TRAFFIC SIGNAL HEAD	
PEDESTRIAN SIGNAL HEAD	
LUMINAIRE HEAD	
TRAFFIC SIGNAL POLE	
VIDEO DETECTION CAMERA	

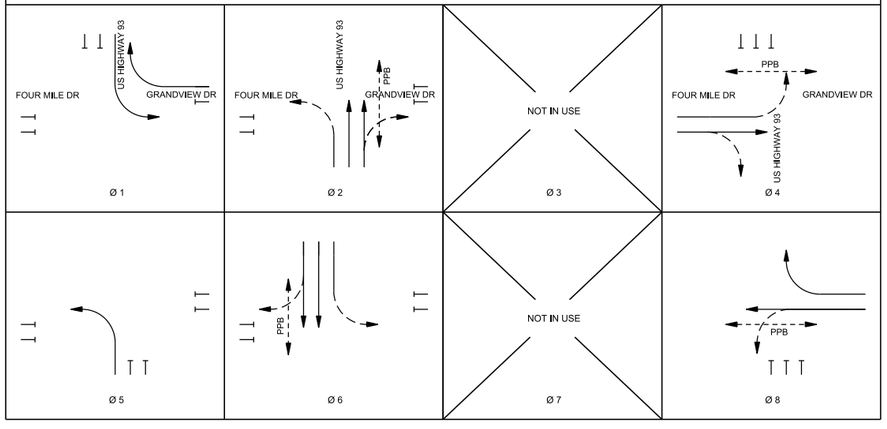


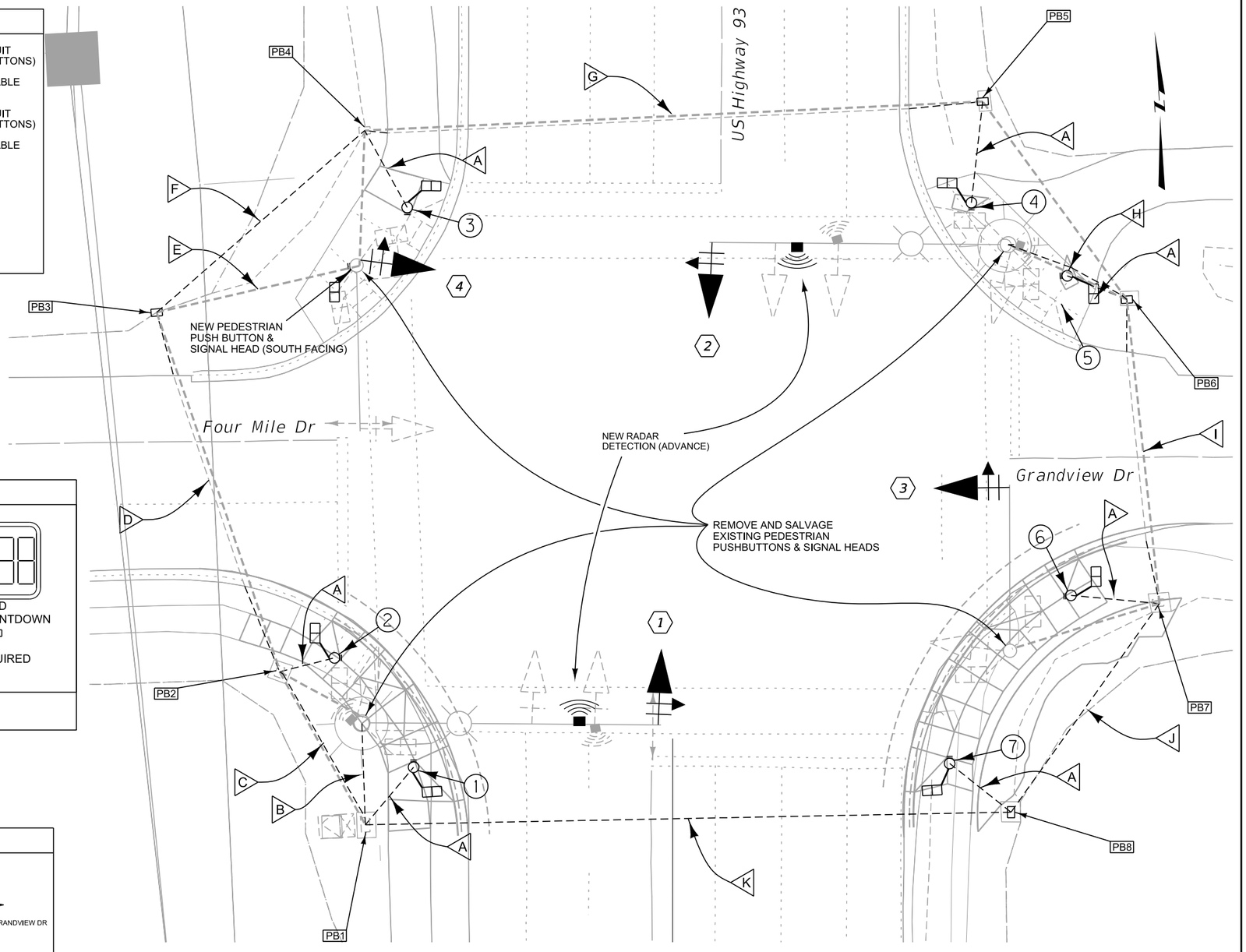
SIGNAL INDICATIONS



SY = STEADY YELLOW
FY = FLASHING YELLOW

PHASE DIAGRAM





POLE SCHEDULE

POLE NO.	ITEM NO.	TYPE	TYPE POLE BASE	FOUNDATION DIA. x DEPTH	SIGNAL MASTARM	LUMINAIRE MASTARM	LUMINAIRE HEIGHT	LUMINAIRE TYPE	N OR Y COORDINATE	E OR X COORDINATE	POLE NO.
1	617 673 100	1-100	BREAKAWAY	2' 0" x 3' 0"	-	-	-	-	1,485,716.833	792,127.832	1
2	617 673 100	1-100	BREAKAWAY	2' 0" x 3' 0"	-	-	-	-	1,485,738.334	792,114.271	2
3	617 673 100	1-100	BREAKAWAY	2' 0" x 3' 0"	-	-	-	-	1,485,822.086	792,133.358	3
4	617 673 100	1-100	BREAKAWAY	2' 0" x 3' 0"	-	-	-	-	1,485,815.472	792,238.845	4
5	617 673 100	1-100	BREAKAWAY	2' 0" x 3' 0"	-	-	-	-	1,485,797.090	792,255.307	5
6	617 673 100	1-100	BREAKAWAY	2' 0" x 3' 0"	-	-	-	-	1,485,741.211	792,253.404	6
7	617 673 100	1-100	BREAKAWAY	2' 0" x 3' 0"	-	-	-	-	1,485,711.072	792,228.578	7

NOTE: POLE LOCATIONS ARE APPROXIMATE. MINOR ADJUSTMENT IS ALLOWED IN THE FIELD.

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AWARD COPY

CONDUIT & WIRE SCHEDULE

A NEW 2" PLASTIC CONDUIT
NEW 7AWG14 (PED BUTTONS)
NEW AWG10 (GROUND)

B NEW 2" PLASTIC CONDUIT
NEW RADAR DETECTION CABLE (ADVANCE DETECTION)
NEW 5AWG14 (SIGNAL)
NEW AWG10 (GROUND)

C NEW 3" PLASTIC CONDUIT
NEW 2 OF RADAR DETECTION CABLE (ADVANCE DETECTION)
NEW 2 OF 7AWG14 (PED BUTTONS)
NEW 5AWG14 (SIGNAL)
NEW AWG10 (GROUND)

D NEW 3" PLASTIC CONDUIT
NEW 6 OF RADAR DETECTION CABLE
NEW 4 OF 5AWG14 (SIGNAL)
NEW 7 OF 7AWG14 (PED BUTTONS)
NEW AWG10 (GROUND)

E EXISTING 3" PLASTIC CONDUIT
NEW RADAR DETECTION CABLE (VEH PRESENCE)
NEW 2 OF 5AWG14 (SIGNAL)
NEW 3 OF 7AWG14(PED BUTTONS)

F NEW 3" PLASTIC CONDUIT
NEW RADAR DETECTION CABLE (VEH PRESENCE)
NEW 5AWG14 (SIGNAL)
NEW 7AWG14(PED BUTTONS)
NEW AWG10 (GROUND)

G NEW 2" PLASTIC CONDUIT
NEW RADAR DETECTION CABLE (VEH PRESENCE)
NEW 5AWG14 (SIGNAL)
NEW AWG10 (GROUND)

ELECTRICAL LEGEND

CONDUIT	
PULL BOX	
SIGNAL CONTROLLER	
TRAFFIC SIGNAL HEAD	
PEDESTRIAN SIGNAL HEAD	
LUMINAIRE HEAD	
TRAFFIC SIGNAL POLE	
VIDEO DETECTION CAMERA	

PEDESTRIAN PUSH BUTTON

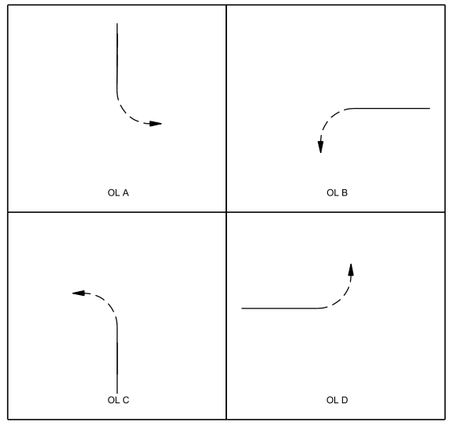
POLE NO.	← LEFT ARROW	→ RIGHT ARROW
1	1	
2		1
3	1	
4		1
5	1	
6		1
7		1
N/A	1	

SIGNAL INDICATIONS

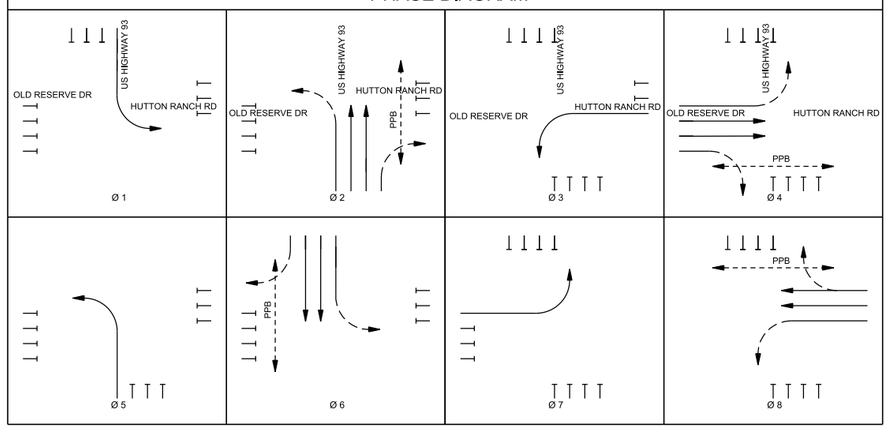
R
SY
FY
G
1 2 3 4
4 REQUIRED

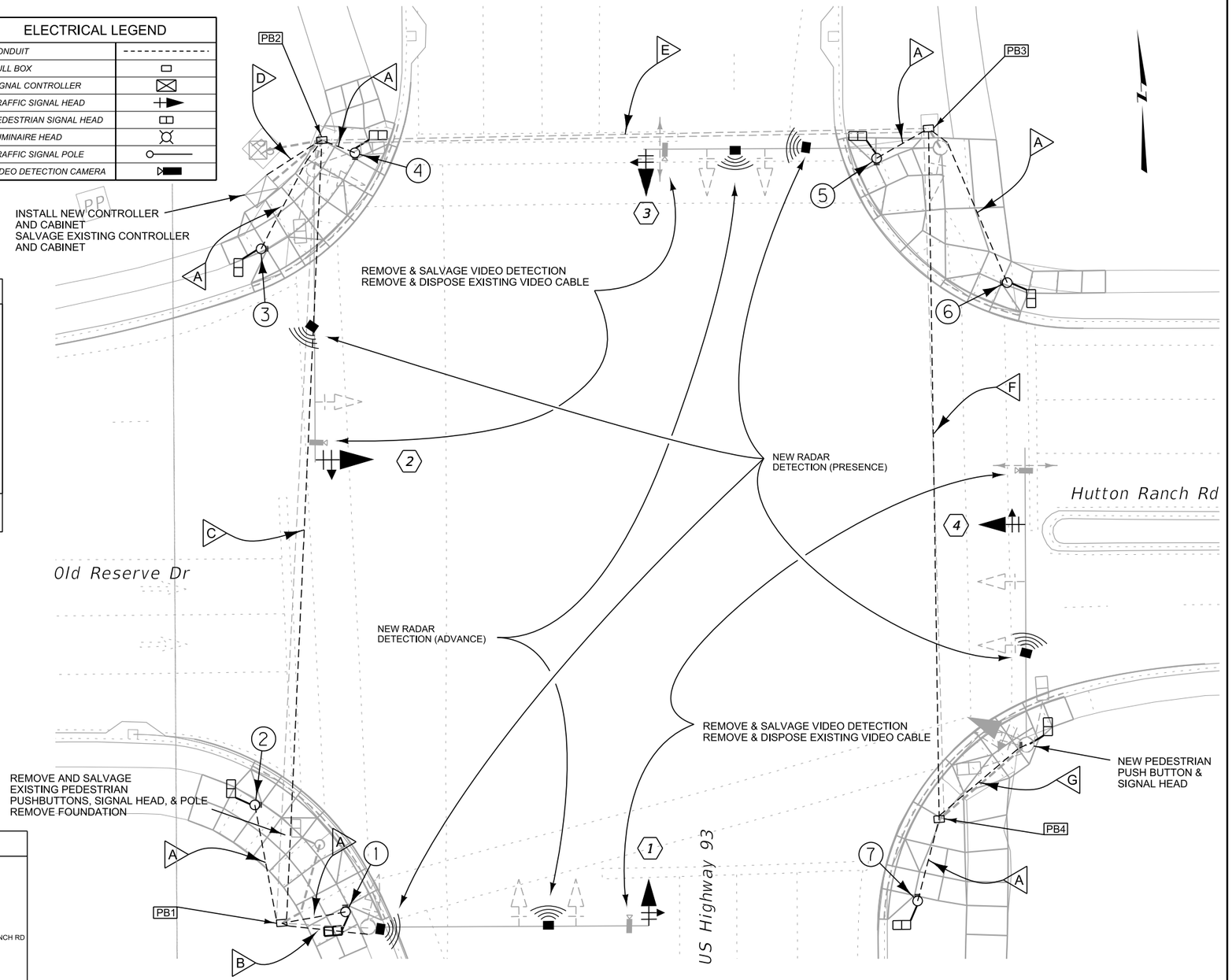
LED
WITH COUNTDOWN
8 REQUIRED

SY = STEADY YELLOW
FY = FLASHING YELLOW



PHASE DIAGRAM





PULL BOX SCHEDULE

NO.	TYPE
PB1	TYPE 2
PB2	TYPE 3
PB3	TYPE 2
PB4	TYPE 2

POLE SCHEDULE

POLE NO.	ITEM NO.	TYPE	TYPE POLE BASE	FOUNDATION DIA. x DEPTH	SIGNAL MASTARM	LUMINAIRE MASTARM	LUMINAIRE HEIGHT	LUMINAIRE TYPE	N OR Y COORDINATE	E OR X COORDINATE	POLE NO.
1	617 673 100	1-100	BREAKAWAY	2' 0" x 3' 0"	-	-	-	-	1,488,353.014	792,288.393	1
2	617 673 100	1-100	BREAKAWAY	2' 0" x 3' 0"	-	-	-	-	1,488,376.406	792,271.183	2
3	617 673 100	1-100	BREAKAWAY	2' 0" x 3' 0"	-	-	-	-	1,488,491.187	792,280.424	3
4	617 673 100	1-100	BREAKAWAY	2' 0" x 3' 0"	-	-	-	-	1,488,509.686	792,301.164	4
5	617 673 100	1-100	BREAKAWAY	2' 0" x 3' 0"	-	-	-	-	1,488,501.112	792,408.875	5
6	617 673 100	1-100	BREAKAWAY	2' 0" x 3' 0"	-	-	-	-	1,488,473.543	792,434.053	6
7	617 673 100	1-100	BREAKAWAY	2' 0" x 3' 0"	-	-	-	-	1,488,347.105	792,406.733	7

NOTE: POLE LOCATIONS ARE APPROXIMATE. MINOR ADJUSTMENT IS ALLOWED IN THE FIELD.

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AWARD COPY

CONDUIT & WIRE SCHEDULE

A NEW 2" PLASTIC CONDUIT
NEW 7AWG14 (PED BUTTONS)
NEW AWG10 (GROUND)

B NEW 2" PLASTIC CONDUIT
NEW 5AWG14 (SIGNALS)
NEW 7AWG14 (PED BUTTONS)
NEW RADAR DETECTION CABLE (VEH DETECTION)
NEW AWG10 (GROUND)

C NEW 3" PLASTIC CONDUIT
NEW 5AWG14 (SIGNALS)
NEW 2 OF 7AWG14 (PED BUTTONS)
NEW RADAR DETECTION CABLE (VEH DETECTION)
NEW AWG10 (GROUND)

D NEW 3" PLASTIC CONDUIT
NEW 2 OF 5AWG14 (SIGNALS)
NEW 4 OF 7AWG14(PED BUTTONS)
NEW RADAR DETECTION CABLE (VEH DETECTION)
NEW AWG10 (GROUND)

E NEW 3" PLASTIC CONDUIT
NEW 4 OF 5AWG14 (SIGNALS)
NEW 8 OF 7AWG14 (PED BUTTONS)
NEW 2 OF RADAR DETECTION CABLE (VEH DETECTION)
NEW AWG10 (GROUND)

F NEW 2" PLASTIC CONDUIT
NEW 5AWG14 (SIGNALS)
NEW RADAR DETECTION CABLE (VEH DETECTION)
NEW AWG10 (GROUND)

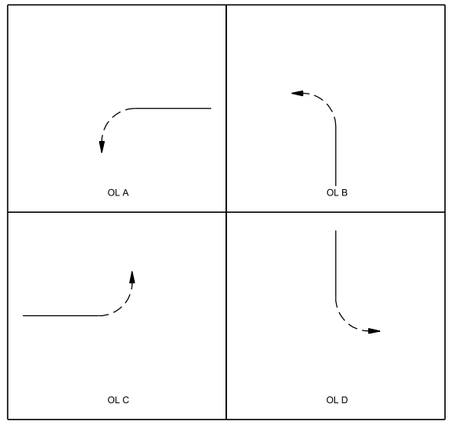
G NEW 2" PLASTIC CONDUIT
NEW 5AWG14 (SIGNALS)
NEW 2 OF 7AWG14 (PED BUTTONS)
NEW AWG10 (GROUND)

ELECTRICAL LEGEND

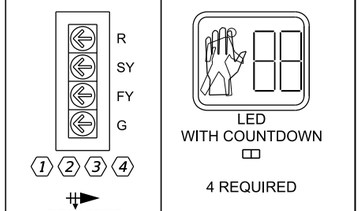
CONDUIT	
PULL BOX	
SIGNAL CONTROLLER	
TRAFFIC SIGNAL HEAD	
PEDESTRIAN SIGNAL HEAD	
LUMINAIRE HEAD	
TRAFFIC SIGNAL POLE	
VIDEO DETECTION CAMERA	

PEDESTRIAN PUSH BUTTON

POLE NO.	← LEFT ARROW	→ RIGHT ARROW
1	1	
2		1
3		1
4	1	
5		1
6	1	
7		1
N/A	1	

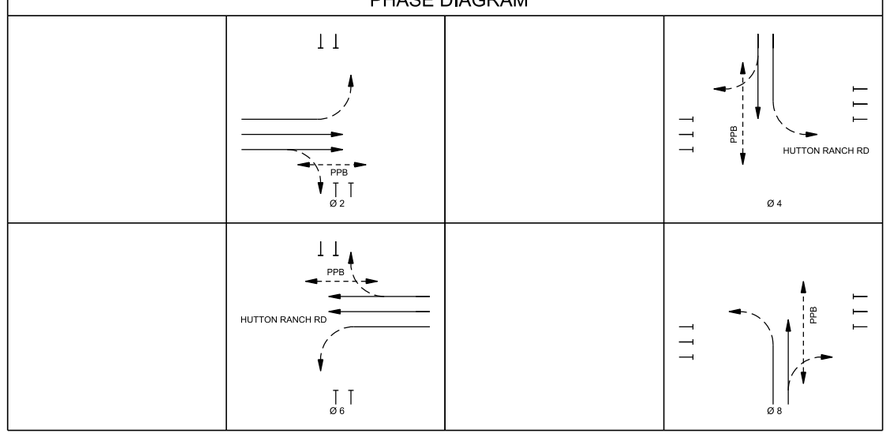


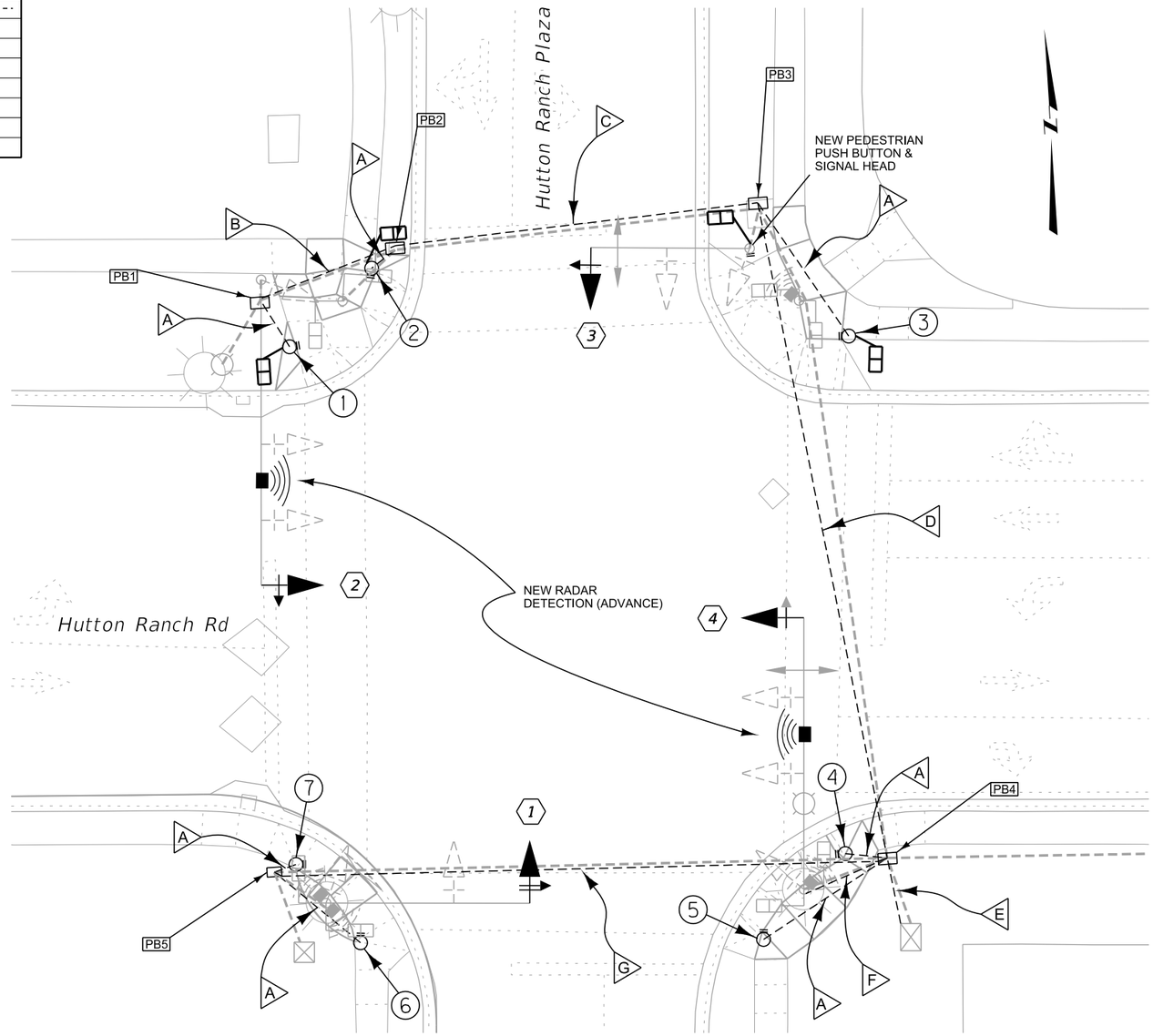
SIGNAL INDICATIONS



SY = STEADY YELLOW
FY = FLASHING YELLOW

PHASE DIAGRAM





PULL BOX SCHEDULE

NO.	TYPE
PB1	TYPE 2
PB2	TYPE 2
PB3	TYPE 2
PB4	TYPE 3
PB5	TYPE 2

POLE SCHEDULE

POLE NO.	ITEM NO.	TYPE	TYPE POLE BASE	FOUNDATION DIA. x DEPTH	SIGNAL MASTARM	LUMINAIRE MASTARM	LUMINAIRE HEIGHT	LUMINAIRE TYPE	N OR Y COORDINATE	E OR X COORDINATE	POLE NO.
1	617 673 100	1-100	BREAKAWAY	2' 0" x 3' 0"	-	-	-	-	1,488,337.643	792,991.983	1
2	617 673 100	1-100	BREAKAWAY	2' 0" x 3' 0"	-	-	-	-	1,488,348.245	793,004.599	2
3	617 673 100	1-100	BREAKAWAY	2' 0" x 3' 0"	-	-	-	-	1,488,333.928	793,072.968	3
4	617 673 080	1-80	BREAKAWAY	1' 6" x 1' 6"	-	-	-	-	1,488,259.073	793,067.592	4
5	617 673 080	1-80	BREAKAWAY	1' 6" x 1' 6"	-	-	-	-	1,488,247.425	793,054.952	5
6	617 673 080	1-80	BREAKAWAY	1' 6" x 1' 6"	-	-	-	-	1,488,250.738	792,996.628	6
7	617 673 080	1-80	BREAKAWAY	1' 6" x 1' 6"	-	-	-	-	1,488,262.675	792,988.016	7

NOTE: POLE LOCATIONS ARE APPROXIMATE. MINOR ADJUSTMENT IS ALLOWED IN THE FIELD.

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CONDUIT & WIRE SCHEDULE

A NEW 2" PLASTIC CONDUIT
NEW 7AWG14 (PED BUTTONS)
NEW AWG10 (GROUND)

B NEW 3" PLASTIC CONDUIT
NEW RADAR DETECTION CABLE (VEH DETECTION)
NEW 5AWG14 (SIGNAL)
NEW AWG10 (GROUND)

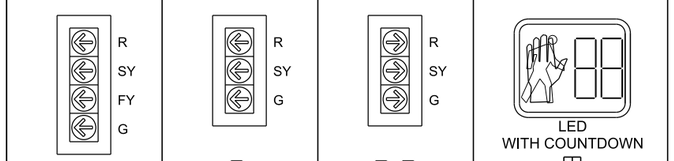
C NEW 2" PLASTIC CONDUIT
NEW RADAR DETECTION CABLE (VEH DETECTION)
NEW 2 OF 7AWG14 (PED BUTTONS)
NEW AWG10 (GROUND)

D EXISTING 2" PLASTIC CONDUIT
NEW RADAR DETECTION CABLE (VEH DETECTION)

ELECTRICAL LEGEND

CONDUIT	
PULL BOX	
SIGNAL CONTROLLER	
TRAFFIC SIGNAL HEAD	
PEDESTRIAN SIGNAL HEAD	
LUMINAIRE HEAD	
TRAFFIC SIGNAL POLE	
VIDEO DETECTION CAMERA	

SIGNAL INDICATIONS



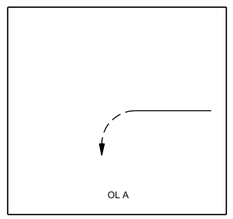
SY = STEADY YELLOW
FY = FLASHING YELLOW

PULL BOX SCHEDULE

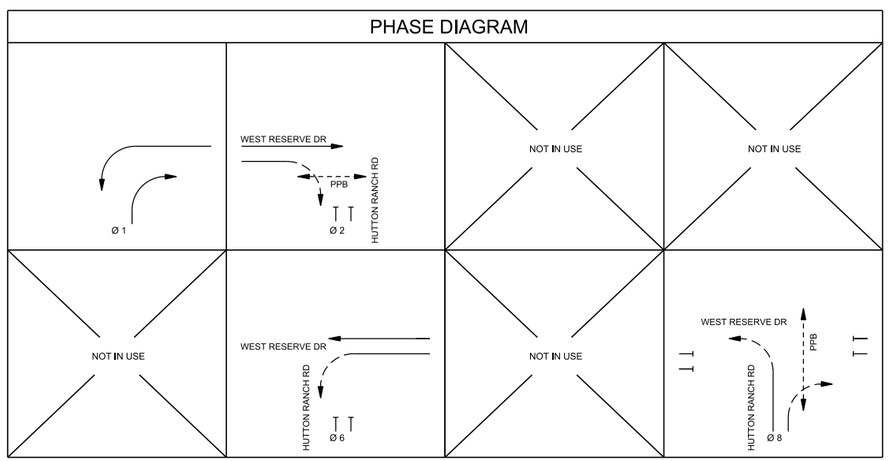
NO.	TYPE
PB1	TYPE 2
PB2	TYPE 2
PB3	TYPE 2

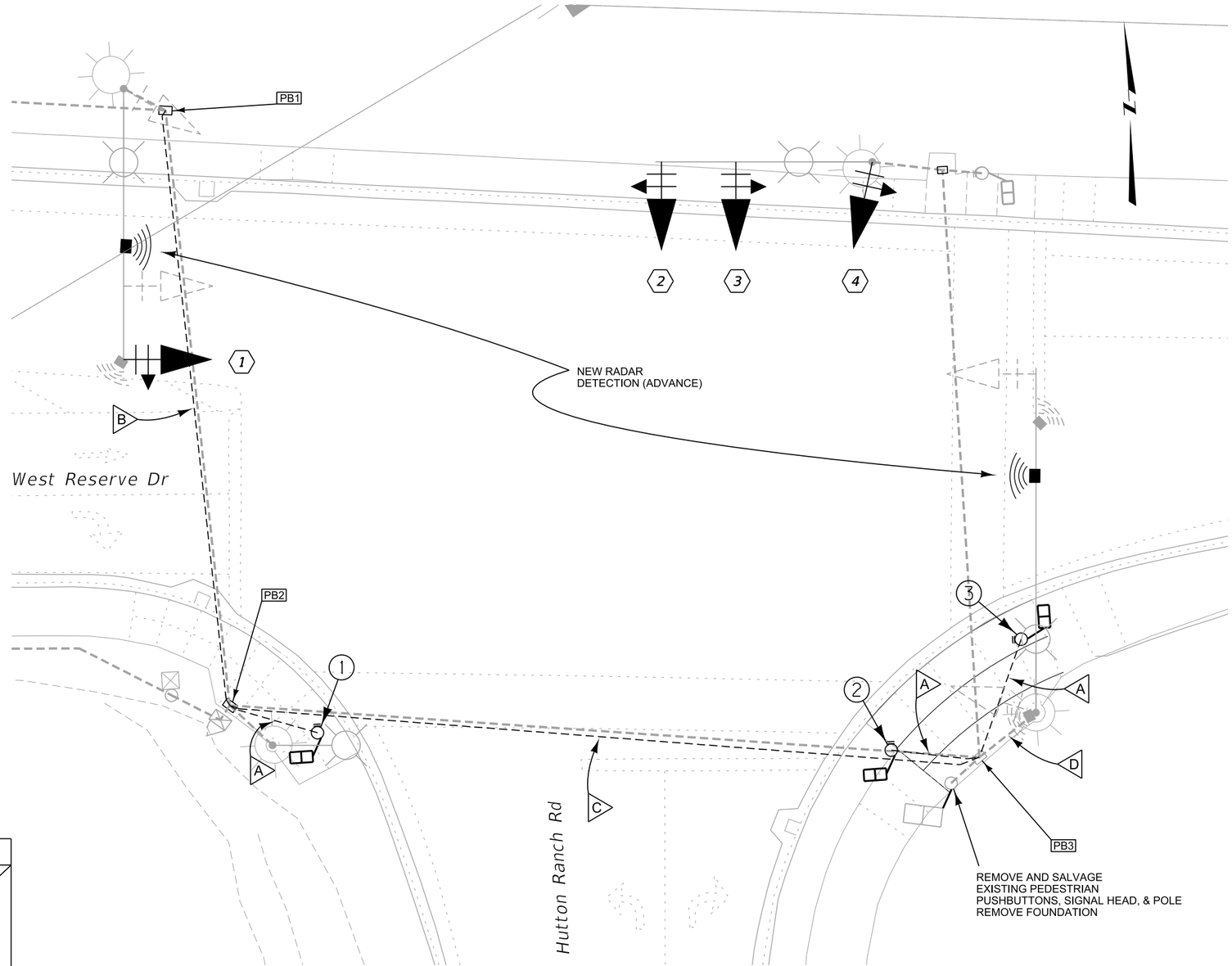
PEDESTRIAN PUSH BUTTON

POLE NO.	← LEFT ARROW	→ RIGHT ARROW
1	1	
2		1
3	1	



PHASE DIAGRAM





POLE SCHEDULE

POLE NO.	ITEM NO.	TYPE	TYPE POLE BASE	FOUNDATION DIA. x DEPTH	SIGNAL MASTARM	LUMINAIRE MASTARM	LUMINAIRE HEIGHT	LUMINAIRE TYPE	N OR Y COORDINATE	E OR X COORDINATE	POLE NO.
1	617 673 100	1-100	BREAKAWAY	2' 0" x 3' 0"	-	-	-	-	1,490,906.271	793,780.214	1
2	617 673 100	1-100	BREAKAWAY	2' 0" x 3' 0"	-	-	-	-	1,490,897.214	793,872.352	2
3	617 673 100	1-100	BREAKAWAY	2' 0" x 3' 0"	-	-	-	-	1,490,913.653	793,894.471	3

NOTE: POLE LOCATIONS ARE APPROXIMATE. MINOR ADJUSTMENT IS ALLOWED IN THE FIELD.

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AWARD COPY

CONDUIT & WIRE SCHEDULE

A NEW 3" PLASTIC CONDUIT
NEW RADAR DETECTION CABLE (VEH DETECTION)
NEW AWG10 (GROUND)

B NEW 3" PLASTIC CONDUIT
NEW 5AWG14 (SIGNALS)
NEW 2 OF RADAR DETECTION CABLE (VEH DETECTION)
NEW AWG10 (GROUND)

C NEW 3" PLASTIC CONDUIT
NEW 5AWG14 (SIGNALS)
NEW RADAR DETECTION CABLE (VEH DETECTION)
NEW AWG10 (GROUND)

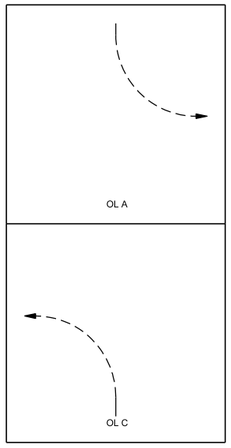
D NEW 2" PLASTIC CONDUIT
NEW 5AWG14 (SIGNALS)
NEW RADAR DETECTION CABLE (VEH DETECTION)
NEW AWG10 (GROUND)

ELECTRICAL LEGEND

CONDUIT	
PULL BOX	
SIGNAL CONTROLLER	
TRAFFIC SIGNAL HEAD	
PEDESTRIAN SIGNAL HEAD	
LUMINAIRE HEAD	
TRAFFIC SIGNAL POLE	
VIDEO DETECTION CAMERA	

PEDESTRIAN PUSH BUTTON

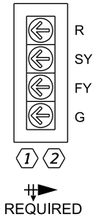
POLE NO.	← LEFT ARROW	→ RIGHT ARROW
N/A	1	
N/A		1
N/A	1	
N/A		1
N/A	1	
N/A		1
N/A	1	
N/A		1



PULL BOX SCHEDULE

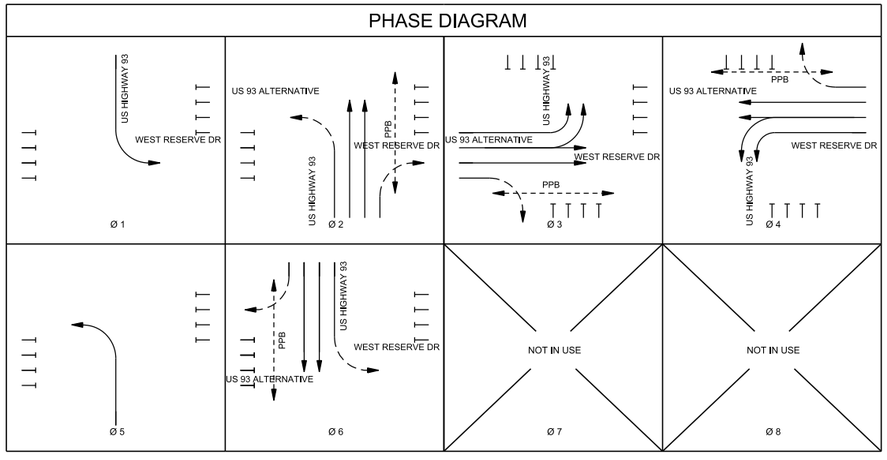
NO.	TYPE
PB1	TYPE 2
PB2	TYPE 2
PB3	TYPE 3
PB4	TYPE 2
PB5	TYPE 2
PB6	TYPE 2

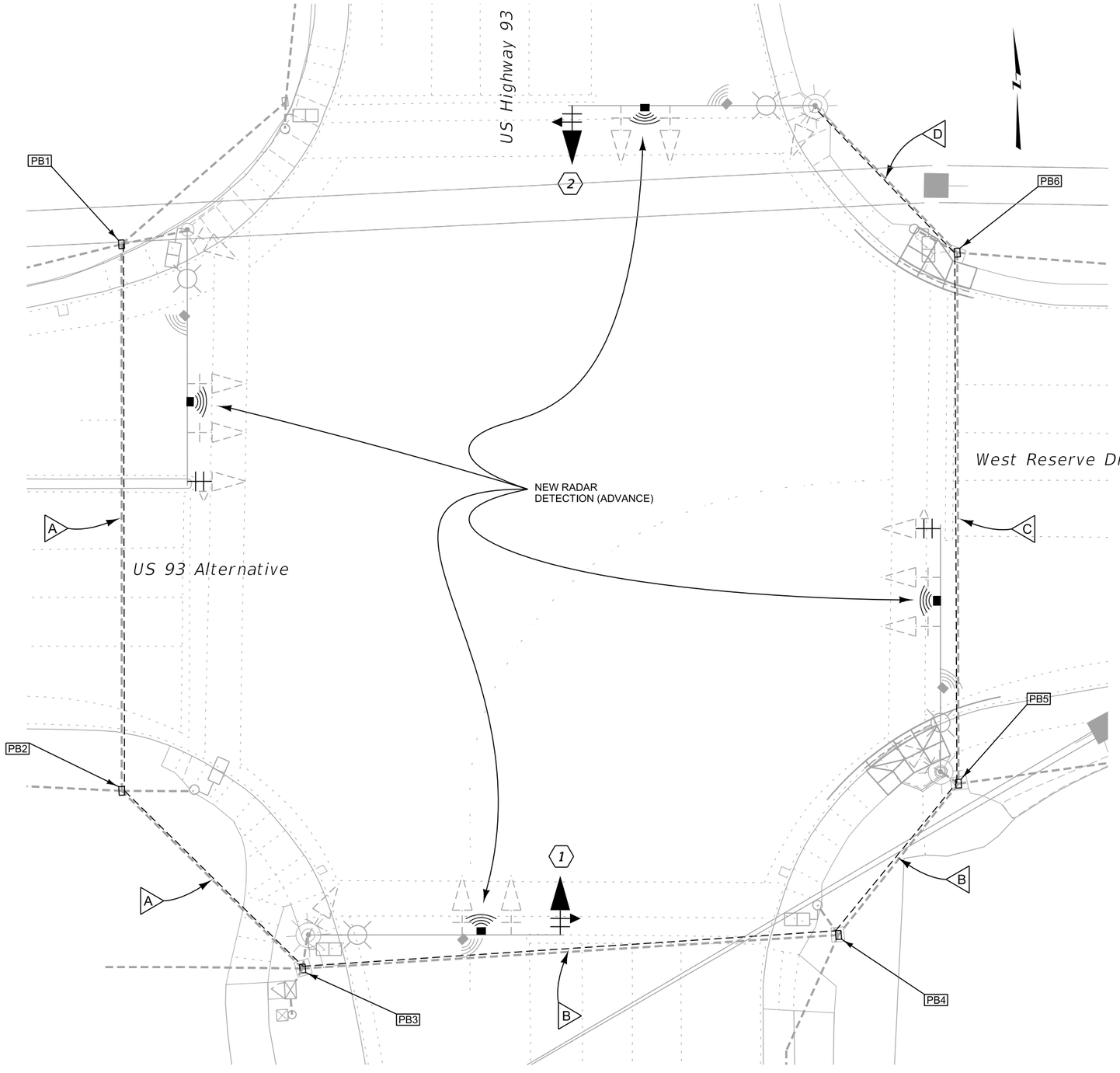
SIGNAL INDICATIONS



SY = STEADY YELLOW
FY = FLASHING YELLOW

PHASE DIAGRAM





2 / 1	MDT MONTANA DEPARTMENT OF TRANSPORTATION	C:\DGN\9365000elpln003.dgn 9/15/2021 2:56:03 PM CPS - U382	DESIGNED BY REVIEWED BY CHECKED BY	K. JOHNSON S. GERKEN B. NUNNALLEE	12/13/2019 12/13/2019 06/16/2021	ELECTRICAL PLANS FLATHEAD COUNTY	US 93 NORTH SIGNALS - KALISPELL 9365000	CMDP 6799(48) SHEET E12