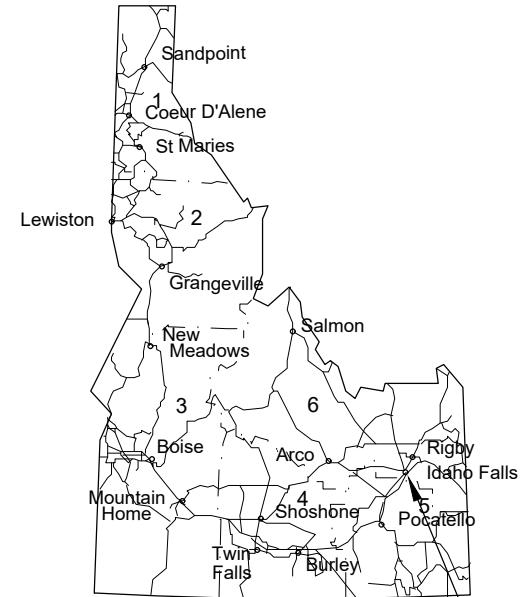
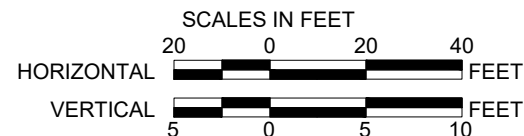


IDAHO TRANSPORTATION DEPARTMENT

PLAN AND PROFILE OF PROPOSED STC-7316, 5TH E (HOLMES AVE) & 49TH S SIGNAL

FEDERAL AID PROJECT NO. A023(889) KEY NO. 23889 BONNEVILLE COUNTY

MARCH 2026



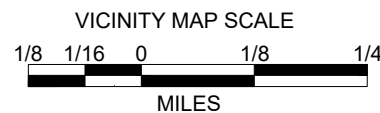
INTERSECTION
 5TH E (HOLMES AVE) & 49TH SOUTH SIGNAL
 SEGMENT CODES
 5TH E (HOLMES AVE) 004130
 M.P. 0.930 TO M.P. 1.065
 49TH S 000844
 M.P. 100.910 TO M.P. 101.092

**49TH SOUTH
 DESIGN DESIGNATION**

ADT 2025	11,800
ADT 2045	24,500
DHV 2025	1,000
DHV 2045	2,000
D	60/40
V	40 MPH
TRUCKS:	
ADT 2025	11
ADT 2045	23
DHV 2025	1
DHV 2045	2

**5TH E (HOLMES AVE)
 DESIGN DESIGNATION**

ADT 2025	12,400
ADT 2045	80,300
DHV 2025	1,000
DHV 2045	6,500
D	60/40
V	35 MPH
TRUCKS:	
ADT 2025	170
ADT 2045	330
DHV 2025	13
DHV 2045	26



INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	PROJECT CLEARANCE SUMMARY
3-4	ROADWAY SUMMARY
5	SEWER PIPE SUMMARY
6	PROJECT OVERVIEW
7	MONUMENT PERPETUATION
8-10	TYPICAL ROADWAY SECTIONS
11-15	PLAN & PROFILE
16	INTERSECTION GRADING PLAN
17	PROJECT DETAILS
18	STORM DRAINAGE PLAN & PROFILE
19	SIGNAL MATERIALS LIST
20	TRAFFIC SIGNAL PLAN
21	POLE ELEVATION DETAIL
22	CONDUIT DIAGRAM
23	SIGNALIZATION DETAILS
24	SIGNAL FIELD WIRING DIAGRAM
25	SERVICE PEDESTAL DETAIL
26	STANDARD MAST ARM POLES
27	TERMINAL COMPARTMENT DETAIL
28-31	PAVEMENT MARKINGS
32-33	UTILITY PLAN
34-35	POLLUTION PREVENTION PLAN
36	TEMPORARY TRAFFIC CONTROL SUMMARY
37	TEMPORARY TRAFFIC CONTROL
38-40	IDAHO FALLS STANDARD DRAWING
1-3	RIGHT OF WAY PLANS
1-23	ITD STANDARD DRAWINGS

ACCESSIBILITY NOTICE

These drawings are provided electronically and include the use of color to enhance readability. Color is not relied upon as the sole means of conveying information. Individuals who require assistance accessing information contained in these documents, or who require an alternate format (including grayscale versions, enlarged sheets, symbol clarification), may contact the LHTAC to request reasonable accommodation.

REVISIONS			
NO.	DATE	BY	DESCRIPTION

THE DIMENSIONS SHOWN ON THE PLANS SHALL BE ATTAINED WITHIN LIMITS OF PRECISION THAT GOOD CONSTRUCTION PRACTICES WILL PERMIT

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
 CADD FILE NAME: 23889 TITL 001
 DRAWING DATE: 2/25/26

IDAHO TRANSPORTATION DEPARTMENT

KELLER ASSOCIATES

PROJECT NO.
 A023(889)

TITLE SHEET
 STC-7316, 5TH E (HOLMES AVE) & 49TH S SIGNAL

English
 COUNTY BONNEVILLE
 KEY NUMBER 23889
 SHEET 1 OF 40

Jarla Kral
 Approved for Advertising
04/09/2026
 Date Approved

J:\222207 LH\AC007_23889_BONN_HOLMES & 48TH\PROJECT_DEVELOPMENT\PLAN_SHEETS\ROADWAY\23889 ITD-KA TITLEBLOCK.DWG LAST SAVED: 2/16/2026 4:05 PM PRINTED: ----

CLEARANCES		+ CLEARED UNDER PROJECT NO.	+ APPROVAL DATE
PROJECT STANDARDS		A023(889)	2024-06-07
CHARTER APPROVAL <input type="checkbox"/> AASHTO <input type="checkbox"/> 3R <input type="checkbox"/> 1R <input checked="" type="checkbox"/> STATE		N/A	--
<input type="checkbox"/> PP <input type="checkbox"/> OTHER _____		N/A	--
DESIGN EXCEPTIONS: _____		N/A	--
PUBLIC HEARING WAIVER _____		A023(889)	2025-01-29
PUBLIC HEARING DATE (Latest hearing date held or scheduled for opportunity) _____		N/A	--
DESIGN APPROVAL _____		A023(889)	2025-06-25
RECLAMATION PLAN APPROVAL NO(S) _____		N/A	--
AIRPORT _____		N/A	--
Land Survey Monument Search and Documentation (I.C.55-1613) _____		A023(889)	2025-01-31
R/W CERTIFICATE: Issued by <input checked="" type="checkbox"/> HQ <input type="checkbox"/> DISTRICT _____		A023(889)	2026-03-24
TRIBAL LANDS: <input type="checkbox"/> AGREEMENT REQUIRED <input type="checkbox"/> SPECIAL PROVISIONS FOR CONTRACT PROPOSAL _____		N/A	--
BRIDGE PS & E _____		N/A	--
ENVIRONMENTAL DECISION: TYPE <input checked="" type="checkbox"/> CAT-EX <input type="checkbox"/> FONSI <input type="checkbox"/> ROD _____		A023(889)	2025-01-21
ENVIRONMENTAL RE-EVALUATION _____		A023(889)	2026-02-12
PERMITS			+ EXPIRATION DATE
IDAHO DEPARTMENT OF WATER RESOURCES PERMIT NO(S) _____		N/A	--
US ARMY CORPS OF ENGINEERS 404 PERMIT NO(S) _____		N/A	--
OTHER _____		N/A	--
DEQ SECTION 401 WATER QUALITY CERTIFICATION <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			
NPDES GENERAL PERMIT/SWPPP REQUIRED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			
POLLUTION PREVENTION PLAN REQUIRED <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO			
AGREEMENTS (List Appropriate Name)			
LOCAL: CITY _____		N/A	--
COUNTY _____		N/A	--
HIGHWAY DISTRICT _____		N/A	--
ROAD CLOSURE AND MAINTENANCE _____		N/A	--
STATE/LOCAL CONSTRUCTION <u>BONNEVILLE COUNTY</u>		A023(889)	2026-03-27
IRRIGATION DISTRICT(S): Crossing Agreement Required <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO (Signatures Required on either Structure Drawing or Bridge Sheet)		+ APPROVAL DATES	
UTILITIES: List all Utilities shown on plans <input type="checkbox"/> RETAIN & PROTECT		UTILITY HEARING WAIVER	AGREEMENT
		+ AGREEMENT NO.	
Co. <u>CENTURY LINK</u> <input type="checkbox"/>		2024-10-17	--
Co. <u>CABLE ONE</u> <input type="checkbox"/>		2024-10-18	--
Co. <u>ROCKY MOUNTAIN POWER</u> <input type="checkbox"/>		2025-06-26	--
Co. <u>IDAHO FALLS POWER</u> <input type="checkbox"/>		2024-12-03	--
Co. <u>INTERMOUNTAIN GAS</u> <input type="checkbox"/>		2024-12-03	--
Co. <u>CITY OF IDAHO FALLS</u> <input type="checkbox"/>		2025-02-20	--
Co. _____ <input type="checkbox"/>		--	--
RAILROAD: List all Railroads encroached upon		+ AGREEMENT	
		+ AGREEMENT FOR	EFFECTIVE DATE
			NO.
Co. _____			
Co. _____			

ESTIMATING BASIS

PAVING:

SUPERPAVE HMA WILL BE 1/2" SUPERPACE CLASS SP-3 WITH 5.5% (ESTIMATED) PG 58-28 BINDER BY TOTAL WEIGHT OF MIX, AND 0.5% ANTI-STRIPPING AGENT (ESTIMATED) BY WEIGHT OF ASPHALT. ESTIMATE AT 148 LB/CF.

AGGREGATE:

UNTREATED 3/4" AGGREGATE TYPE B FOR BASE WILL BE PROVIDED FROM APPROVED CONTRACTOR FURNISHED SOURCE. ESTIMATED AT 140 LB/CF, INCLUDING 7% WATER (ESTIMATED).

SUB-BASE:

GRANULAR SUBBASE WILL BE PROVIDED FROM APPROVED CONTRACTOR FURNISHED SOURCE. ESTIMATED COMPACTED UNIT WEIGHT FOR GRANULAR SUB-BASE IS 135 LB/CF. INCLUDING 7% WATER (ESTIMATED).

OPEN GRADED BASE CLASS I:

AGGREGATE FOR OPEN GRADED BASE CLASS I WILL BE PROVIDED BY APPROVED CONTRACTOR FURNISHED SOURCE. ESTIMATED AT 140 LB/CF.

TACK COAT:

TACK COAT MUST BE CSS-1 DILUTED EMULSIFIED ASPHALT FOR TACK COAT. ESTIMATED AT 0.10 GAL/SY.

DUST ABATEMENT:

BASED ON 0.5 FEET OF WATER OVER DISTURBED SURFACE.

+ ENTER "N/A" WHEN NOT APPLICABLE

++ LPA PROJECTS - DATE ENTERED BY ROADWAY DESIGN WHEN PROJECT SENT TO PS&E.

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED P. TARRICONE	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
DESIGN CHECKED E. HULSLANDER	CADD FILE NAME 23889 PRSM 001
DETAILED P. TARRICONE	DRAWING DATE: 10/23/24
DRAWING CHECKED N. CLEAVER	



IDAHO TRANSPORTATION DEPARTMENT

KELLER ASSOCIATES

PROJECT NO.
A023(889)

PROJECT CLEARANCE SUMMARY
STC-7316, 5TH E (HOLMES AVE) & 49TH S SIGNAL

English
COUNTY BONNEVILLE
KEY NUMBER 23889
SHEET 2 OF 40



SHEET NUMBER				11	13	14	15	31	33	36	37
STATION - STATION				12+07 TO 16+15	16+15 TO 19+20	50+74 TO 54+75	56+26 TO 60+35	12+07 TO 19+20	50+74 TO 60+35	12+07 TO 19+20	50+74 TO 60+35
ITEM NO.	ITEM	UNIT	TOTAL	408 FT	305 FT	401 FT	409 FT	713 FT	961 FT	713 FT	961 FT
107-019A	SURVEY MONUMENT PRESERVATION	CA	2000								
202-005A	SELECTIVE REMOVAL OF TREES INCLUDING STUMPS	EACH	6	5		1					
203-006A	REMOVAL OF SIGN	EACH	9	7		2					
203-015A	REMOVAL OF BITUMINOUS SURFACE	SY	2400								
203-055A	REMOVAL OF CONCRETE PAVEMENT	SY	11		11						
203-130A	REMOVAL OF PAVEMENT MARKINGS	FT	516	516							
205-005A	EXCAVATION	CY	5100								
205-060A	WATER FOR DUST ABATEMENT	MG	210								
205-071A	EXCAVATION AND REPAIR OF SOFT SPOTS	CY	100								
212-011A	FIBER WATTLE	FT	1490						765	725	
212-020A	SILT FENCE	FT	820							820	
212-060A	STABILIZED CONSTRUCTION ENTRANCE	EACH	4								
212-095A	INLET PROTECTION	EACH	2						2		
212-105A	WATER AND POLLUTION	CA	5000								
301-005A	GRANULAR SUBBASE	TON	6500								
303-022A	3/4" AGGREGATE TYPE B FOR BASE	TON	2600								
307-010A	OPEN-GRADED BASE CLASS I	TON	190								
401-020A	CSS-1 DILUTED EMUSLIFIED ASPHALT FOR TACK COAT	GAL	1300								
405-245A	APPROACH	EACH	10		4	2	4				
405-435A	SUPERPAVE HMA PAVEMENT INCLUDING ASPHALT & ADDITIVES CLASS SP-3	TON	1750								
431-005A	COLD MILLING	SY	2930		814	1026	1090				
605-025A	12" STORM SEWER PIPE	FT	72	72							
605-500A	CATCH BASIN TYPE 1	EACH	2	2							
605-640A	ADJUST VALVE COVERS	EACH	1	1							
614-015A	SIDEWALK	SY	685	685							
614-020A	DRIVEWAY	SY	22	22							
614-025A	CURB RAMP (PERPENDICULAR)	SY	89	89							
615-491A	CURB & GUTTER TYPE 1	FT	825	817	8						
616-010A	SIGN TYPE B-1	SF	10					10			
616-040K	STEEL SIGN POST TYPE E-2	FT	10.5					10.5			
616-080A	REINSTALL SIGN FACE	EACH	2	1		1					
616-085A	REINSTALL SIGN POST	EACH	2	1		1					
626-010A	TEMPORARY TRAFFIC CONTROL SIGNS	SF	694								
626-040A	BARRICADE TYPE 3	EACH	12								
626-100A	MISCELLANEOUS TEMPORARY TRAFFIC CONTROL ITEMS	CA	1000								
626-105A	TEMPORARY TRAFFIC CONTROL MAINTENANCE	HR	320								
630-005A	TRANSVERSE, WORD, SYMBOL, AND ARROW PAVEMENT MARKINGS - WATERBORNE	SF	1174					1006	168		
630-025A	LONGITUDINAL PAVEMENT MARKING - WATERBORNE	FT	16760					8690	8070		
640-005A	DRAINAGE GEOTEXTILE	SY	400								
640-015A	SUBGRADE SEPARATION GEOTEXTILE	SY	6600								
651-010A	LAWN CONSTRUCTION (SODDED)	SF	1500							1500	
656-065A	COMBINED CABINET & SERVICE PEDESTAL FOUNDATION	EACH	1								
675-005A	SURVEY	LS	1								
675-010A	DIRECTED SURVEYING	CA	5000								

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REVISIONS			
NO.	DATE	BY	DESCRIPTION

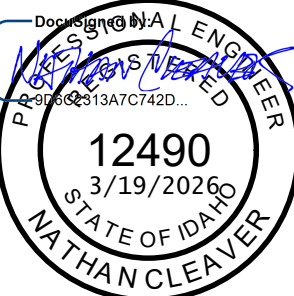
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DESIGN CHECKED E. HULSLANDER	CADD FILE NAME 23889 RDSM_001
DETAILED P. TARRICONE	DRAWING DATE: 2/24/26
DRAWING CHECKED E. HULSLANDER	


IDAHO TRANSPORTATION DEPARTMENT
KELLER ASSOCIATES

PROJECT NO. A023(889)

ROADWAY SUMMARY STC-7316, 5TH E (HOLMES AVE) & 49TH S SIGNAL

English
COUNTY BONNEVILLE
KEY NUMBER 23889
SHEET 3 OF 40


 DocuSign
 12490
 3/19/2026
 STATE OF IDAHO
 NATHAN CLEAVER

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SHEET NUMBER				11	13	14	15	30	32	36	37
STATION - STATION				12+07 TO 16+15	16+15 TO 19+20	50+00 TO 54+75	56+26 TO 60+50	12+07 TO 19+20	50+74 TO 60+35	12+07 TO 19+20	50+74 TO 60+35
ITEM NO.	ITEM	UNIT	TOTAL	408 FT	305 FT	475 FT	424 FT	713 FT	961 FT	713 FT	961 FT
S501-15A	RETAINING WALL - KEYSTONE BLOCK	SF	190	190							
S604-05A	REM & RESET IRR	LS	1	1							
S610-05A	REM & RESET FENCE	FT	333	247	86						
S900-50A	CONTINGENCY AMOUNT - MISCELLANEOUS WORK	CA	10000								
S901-05A	SP - REMOVE AND RESET MAILBOX	EACH	1		1						
S904-05A	SP - MANHOLE AND SEEPAGE BED	LS	1	1							
S904-05B	SP - INSTALL TRAFFIC SIGNAL	LS	1								
S911-05A	SP - REMOVE AND RESET FENCE (VINYL THREE RAIL)	FT	282	77	35		170				
S912-05A	SP - LANDSCAPE REPAIR	SY	238	238							
Z629-05A	MOBILIZATION	LS	1								

REVISIONS			
NO.	DATE	BY	DESCRIPTION

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DESIGN CHECKED E. HULSLANDER	
DETAILED P. TARRICONE	
DRAWING CHECKED E. HULSLANDER	

IDAHO
 TRANSPORTATION
 DEPARTMENT

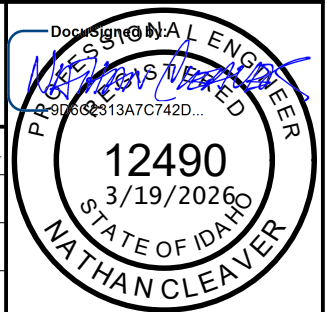
KELLER ASSOCIATES



PROJECT NO.	A023(889)
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ROADWAY SUMMARY	STC-7316, 5TH E (HOLMES AVE) & 49TH S SIGNAL
-----------------	--

English
COUNTY BONNEVILLE
KEY NUMBER 23889
SHEET 4 OF 40



PROFESSIONAL ENGINEER
 12490
 3/19/2026
 STATE OF IDAHO
 NATHAN CLEAVER

STATION TO STATION	SEWER PIPE (LENGTH IN FEET)						PLASTIC PIPE				SIPHON TYPE METAL PIPE + COATING IS REQUIRED IF CHECKED				CONCRETE PIPE			MAN-HOLES		CATCH BASINS			INLETS			REMARKS	
	PIPE SIZE (INCHES)						CORRUGATED POLYETHYLENE (PE)	RIBBED POLYVINYL CHLORIDE (PVC)	SOLID WALL POLYVINYL CHLORIDE (PVC)	REINFORCED CLASS	STEEL		ALUM.		+ BITUMINOUS OR POLYMER COATING	REINFORCED CLASS	NON-REINFORCED CLASS	TYPE OF BEDDING	TYPE D	TYPE _ _ _ _	TYPE I	TYPE _ _ _ _	TYPE _ _ _ _	TYPE _ _ _ _	TYPE _ _ _ _		TYPE _ _ _ _
											1/2 IN CORR. DEPTH	--- CORR. DEPTH	1/4 IN TO 1/2 IN CORR. DEPTH	--- CORR. DEPTH													
	12	24					X	X	X	X	THICKNESS (INCHES)				X												
12+11.93 TO 12+12.07	65							X																		ASTM C-900 PVC PIPE	
12+12.08 TO 12+12.14	7							X																		ASTM C-900 PVC PIPE	
12+14.60 TO 12+96.60		82					X																			CORRUGATED HDPE, PART OF S904-05A	
SHEET TOTAL	72	82																									
PROJECT TOTAL	72	82																									

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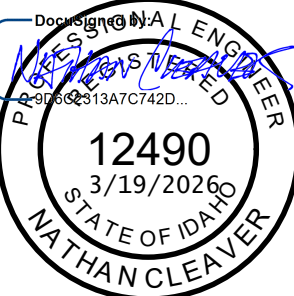
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DESIGN CHECKED E. HULSLANDER	CADD FILE NAME 23889 SGMS_001
DETAILED P. TARRICONE	DRAWING DATE: 10/23/2024
DRAWING CHECKED E. HULSLANDER	

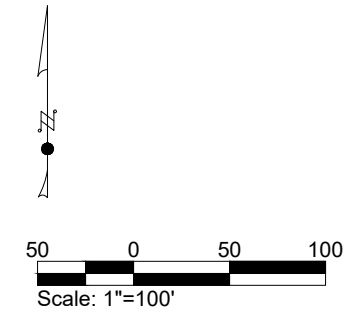
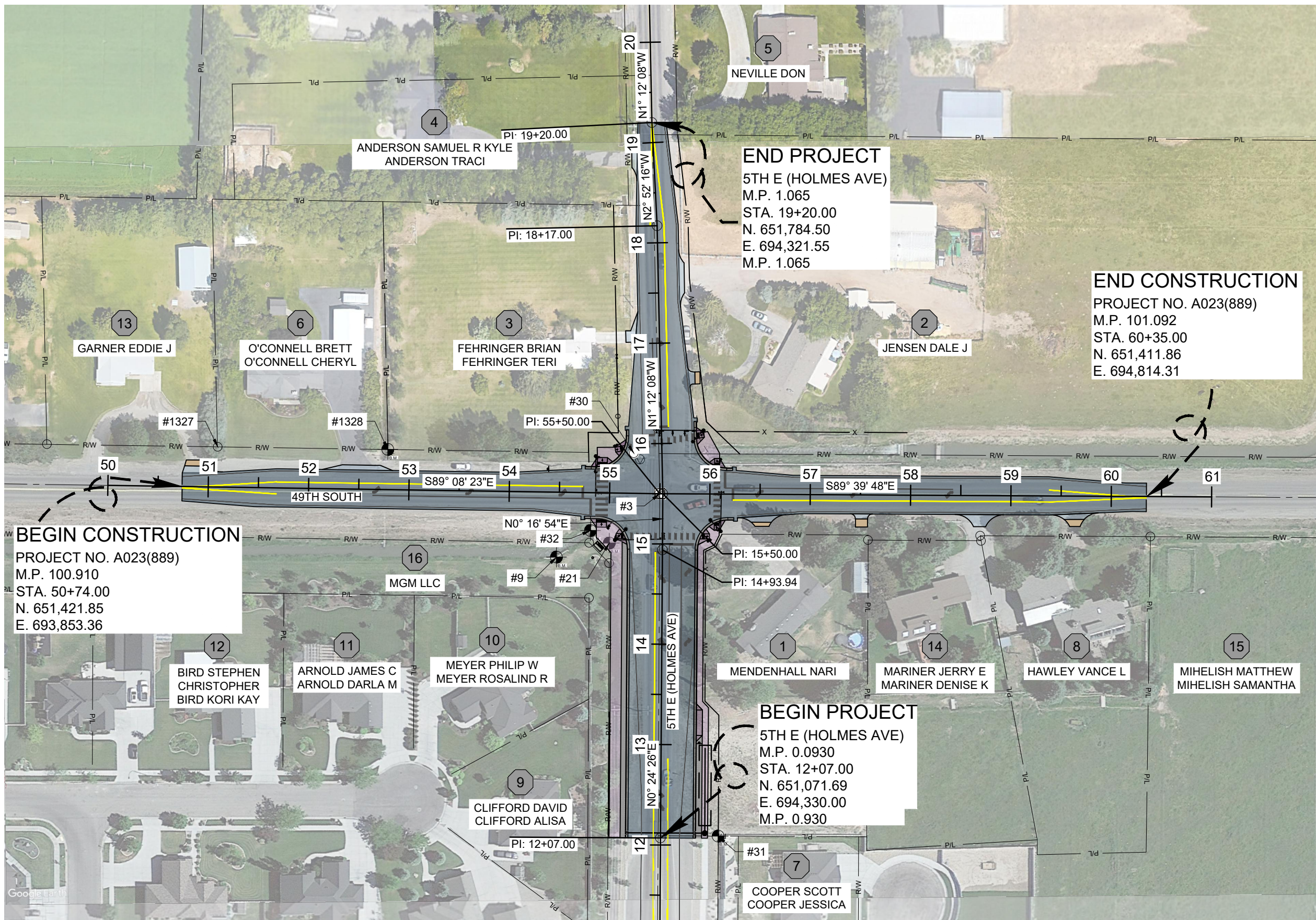

IDAHO TRANSPORTATION DEPARTMENT
KELLER ASSOCIATES

PROJECT NO. A023(889)

SEWER PIPE SUMMARY STC-7316, 5TH E (HOLMES AVE) & 49TH S SIGNAL
--

English
COUNTY BONNEVILLE
KEY NUMBER 23889
SHEET 5 OF 40


 NATHAN CLEAVER
 12490
 3/19/2026
 STATE OF IDAHO



LEGEND

- PAVED ROADWAY
- CONCRETE SIDEWALK
- PEDESTRIAN CURB RAMPS AND CONCRETE DRIVEWAY APPROACHES
- CONCRETE CURB
- ASPHALT APPROACH
- CLEAN AND WASHED OPEN-GRADED BASE
- GRAVEL APPROACH

BEGIN CONSTRUCTION
 PROJECT NO. A023(889)
 M.P. 100.910
 STA. 50+74.00
 N. 651,421.85
 E. 693,853.36

END PROJECT
 5TH E (HOLMES AVE)
 M.P. 1.065
 STA. 19+20.00
 N. 651,784.50
 E. 694,321.55
 M.P. 1.065

END CONSTRUCTION
 PROJECT NO. A023(889)
 M.P. 101.092
 STA. 60+35.00
 N. 651,411.86
 E. 694,814.31

BEGIN PROJECT
 5TH E (HOLMES AVE)
 M.P. 0.0930
 STA. 12+07.00
 N. 651,071.69
 E. 694,330.00
 M.P. 0.930

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REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED P. TARRICONE	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY CADD FILE NAME 23889 PROV_001 DRAWING DATE: 2/16/26
DESIGN CHECKED E. HULSLANDER	
DETAILED P. TARRICONE	
DRAWING CHECKED N. CLEAVER	

IDAHO TRANSPORTATION DEPARTMENT

KELLER ASSOCIATES

PROJECT NO. A023(889)

PROJECT OVERVIEW STC-7316, 5TH E (HOLMES AVE) & 49TH S SIGNAL
--

English
COUNTY BONNEVILLE
KEY NUMBER 23889
SHEET 6 OF 40

DocuSign
 NATHAN CLEAVER
 12490
 3/19/2026
 STATE OF IDAHO
 NATHAN CLEAVER

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MONUMENT PERPETUATION							
POINT NO.	STATION	OFFSET	NORTHING	EASTING	ELEVATION	DESCRIPTION	REQUIRED ACTION
3	50+50.08	3.00' LT	651414.77	694329.33	4704.32	ALUMINUM CAP, SECTION CORNER	RESET, 107-019A
9	54+48.07	64.73' RT	651351.52	694226.43	4703.60	CHISELED X, PROJECT BENCHMARK	MAY BE REMOVED
21	55+00.48	49.95' RT	651365.50	694279.04	4704.19	FOUND 5/8" REBAR PLS 8795	MAY BE REMOVED
32	54+81.52	37.75' RT	651377.98	694260.28	4703.60	CHISELED X, PROJECT BENCHMARK	MAY BE REMOVED
500	14+97.62	53.17' RT	651362.05	694385.22	-	ROW MONUMENT	RETAIN AND PROTECT
501	15+09.94	59.25' RT	651374.34	694391.37	-	ROW MONUMENT	RETAIN AND PROTECT
502	15+92.63	73.00' LT	651455.77	694258.44	-	ROW MONUMENT	RETAIN AND PROTECT
503	16+12.64	73.00' LT	651475.78	694258.02	-	ROW MONUMENT	RETAIN AND PROTECT
504	16+11.56	43.00' LT	651475.33	694288.03	-	ROW MONUMENT	RETAIN AND PROTECT
505	18+39.76	42.35' LT	651702.24	694283.27	-	ROW MONUMENT	RETAIN AND PROTECT
506	19+06.56	24.98' RT	651772.33	694347.17	-	ROW MONUMENT	RETAIN AND PROTECT
507	16+20.69	44.96' RT	651486.31	694375.79	-	ROW MONUMENT	RETAIN AND PROTECT
508	15+87.93	77.72' RT	651454.24	694409.22	-	ROW MONUMENT	RETAIN AND PROTECT
509	13+29.69	57.36' RT	651193.97	694388.23	-	ROW MONUMENT	RETAIN AND PROTECT
510	13+43.68	43.33' RT	651208.07	694374.30	-	ROW MONUMENT	RETAIN AND PROTECT
511	14+92.77	43.00' RT	651357.16	694375.03	-	ROW MONUMENT	RETAIN AND PROTECT
512	17+64.13	31.00' RT	651629.42	694358.82	-	ROW MONUMENT	RETAIN AND PROTECT
513	18+17.26	31.02' RT	651683.45	694357.68	-	ROW MONUMENT	RETAIN AND PROTECT
1328	52+78.40	39.99' LT	651458.76	694058.34	4702.04	FOUND 1/2" REBAR PLS 10786, PROPERTY CORNER	RETAIN AND PROTECT

PROJECT CONTROL							
POINT NO.	STATION	OFFSET	NORTHING	EASTING	ELEVATION	DESCRIPTION	REQUIRED ACTION
11			652052.69	694288.90	4703.75	FOUND 5/8" REBAR PLS 8795	NONE, OUTSIDE PROJECT LIMITS
30	15+91.00	28.00' LT	651455.03	694303.46	4703.75	1/2" REBAR PLS 8795	MAY BE REMOVED
31	12+09.26	57.62' RT	651073.58	694387.56	4704.08	FOUND 1/2" REBAR PLS 9369, PROPERTY CORNER	RETAIN AND PROTECT
1320			651365.73	694990.52	4703.44	1/2" REBAR PLS 827	NONE, OUTSIDE PROJECT LIMITS
1327	51+08.83	40.04' LT	651461.36	693888.79	4700.98	1/2" REBAR, PROPERTY CORNER	RETAIN AND PROTECT

SURVEY NOTES:

1. THE BASIS OF BEARING IS FROM THE S1/4 CONER OF SECTION 31 TO THE SE CORNER OF SECTION 31 BEING - S89°08'23"E, 2637.14 FEET AND IS THE BASIS FOR ALL OTHER BEARINGS LISTED ON THIS SURVEY. THIS BEARING RELATES DIRECTLY TO THE "CITY OF IDAHO FALLS COORDINATE SYSTEM OF 2004". WHICH IS DERIVED FROM THE IDAHO STATE PLANE COORDINATE SYSTEM (EAST ZONE 1101) US SURVEY FEET AND USING A COMBINED SCALE FACTOR OF 1.000277265 FOR A GRID TO GROUND CONVERSION, (REFERENCE FRAME NAD_83(2011), EPOCH 2010.0000). THE SYSTEM ORIENTATION IS BASED ON GRID NORTH ALONG THE EAST ZONE CENTRAL MERIDIAN. NO CONVERGENCE ANGLE HAS BEEN APPLIED.

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED P. TARRICONE	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY CADD FILE NAME 23889_MPER_001 DRAWING DATE: 2/20/26
DESIGN CHECKED E. HULSLANDER	
DETAILED P. TARRICONE	
DRAWING CHECKED N. CLEAVER	

IDAHO TRANSPORTATION DEPARTMENT

KELLER ASSOCIATES

PROJECT NO.	A023(889)
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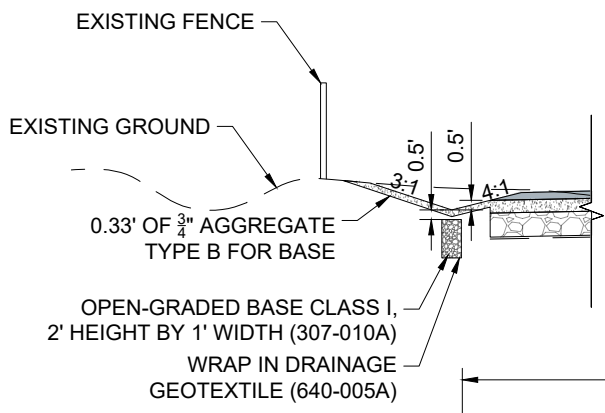
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English
COUNTY BONNEVILLE
KEY NUMBER 23889
SHEET 7 OF 40

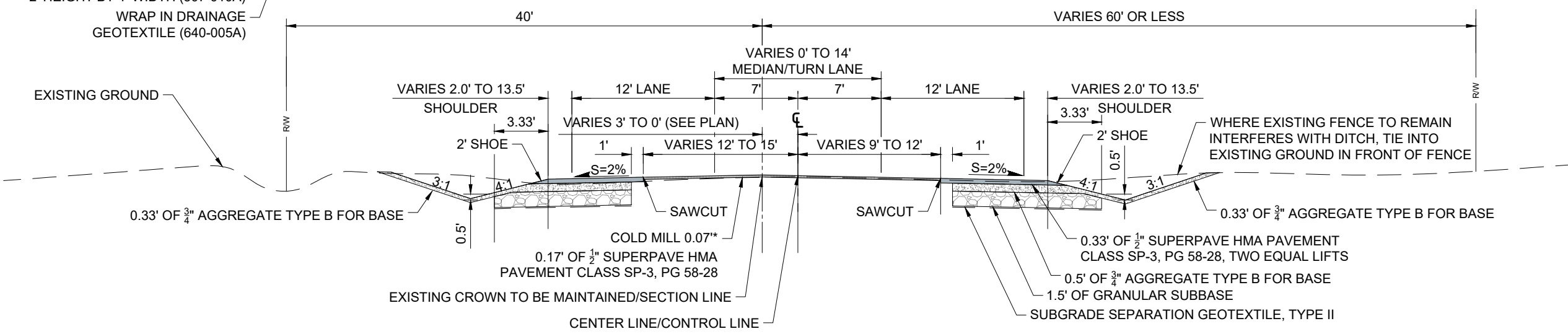
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**LEFT SHOULDER CONDITION
STA. 17+32.00 TO 18+70.00**

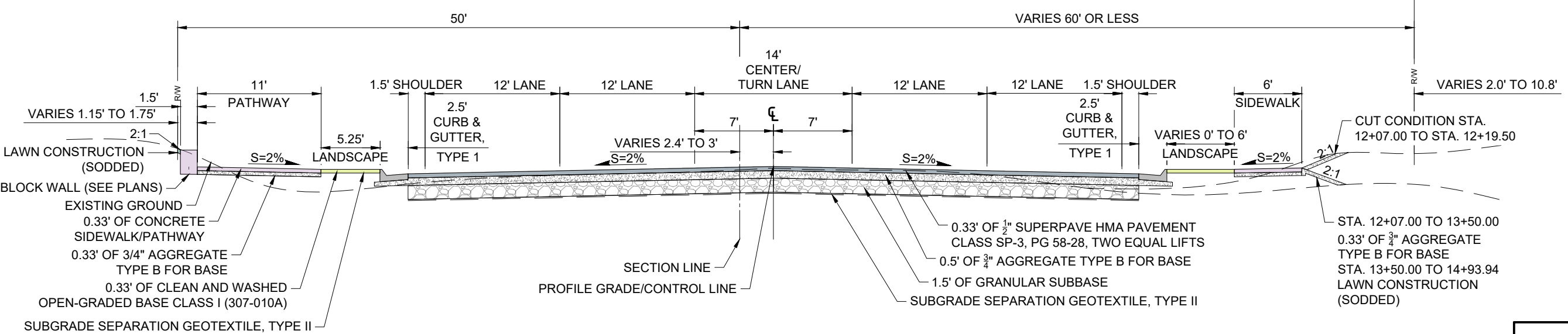


**5TH E (HOLMES AVE) - NORTH LEG
PRINCIPAL ARTERIAL
STA. 16+14.34 TO 19+20.00**

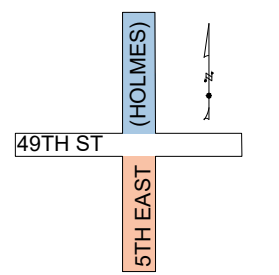


*SEE B1: COLD MILLING TIE-IN DETAIL ON PROJECT DETAILS SHEET FOR TRANSITION TO EXISTING PAVEMENT.

**5TH E (HOLMES AVE) - SOUTH LEG
PRINCIPAL ARTERIAL
STA. 12+07.00 TO 14+93.94**



KEY MAP



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED P. TARRICONE	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY CADD FILE NAME 23889_TYPI_001 DRAWING DATE: 2/16/26
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DETAILED P. TARRICONE	
DRAWING CHECKED N. CLEAVER	

IDAHO TRANSPORTATION DEPARTMENT

KELLER ASSOCIATES

PROJECT NO. A023(889)

TYPICAL ROADWAY SECTIONS STC-7316, 5TH E (HOLMES AVE) & 49TH S SIGNAL
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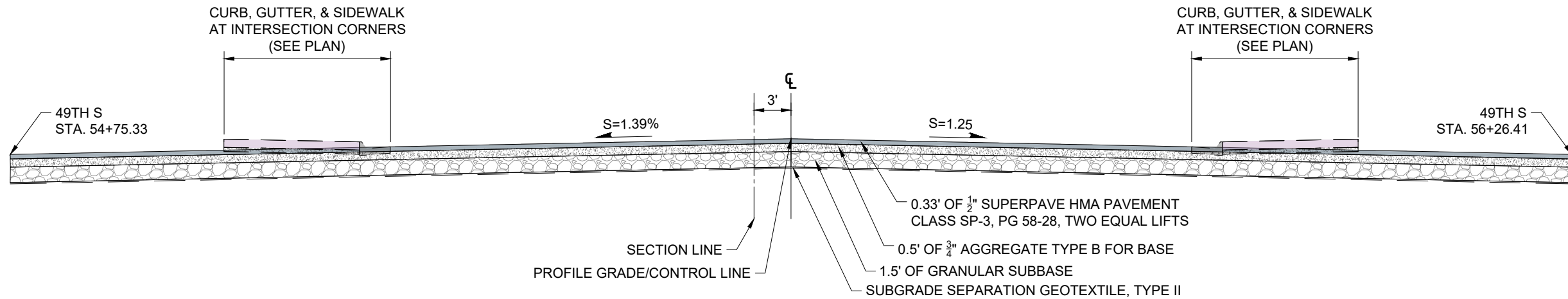
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COUNTY BONNEVILLE
KEY NUMBER 23889
SHEET 8 OF 40

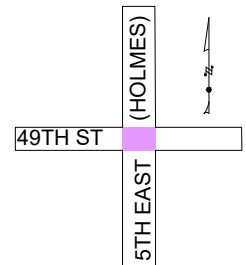
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5TH E (HOLMES AVE) - INTERSECTION WITH 49TH S
5TH EAST STA. 14+93.94 TO 16+14.34



KEY MAP



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	P. TARRICONE
DESIGN CHECKED	E. HULSLANDER
DETAILED	P. TARRICONE
DRAWING CHECKED	N. CLEAVER

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
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DRAWING DATE: 2/16/26

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TYPICAL ROADWAY SECTIONS	STC-7316, 5TH E (HOLMES AVE) & 49TH S SIGNAL
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English
COUNTY BONNEVILLE
KEY NUMBER 23889
SHEET 9 OF 40

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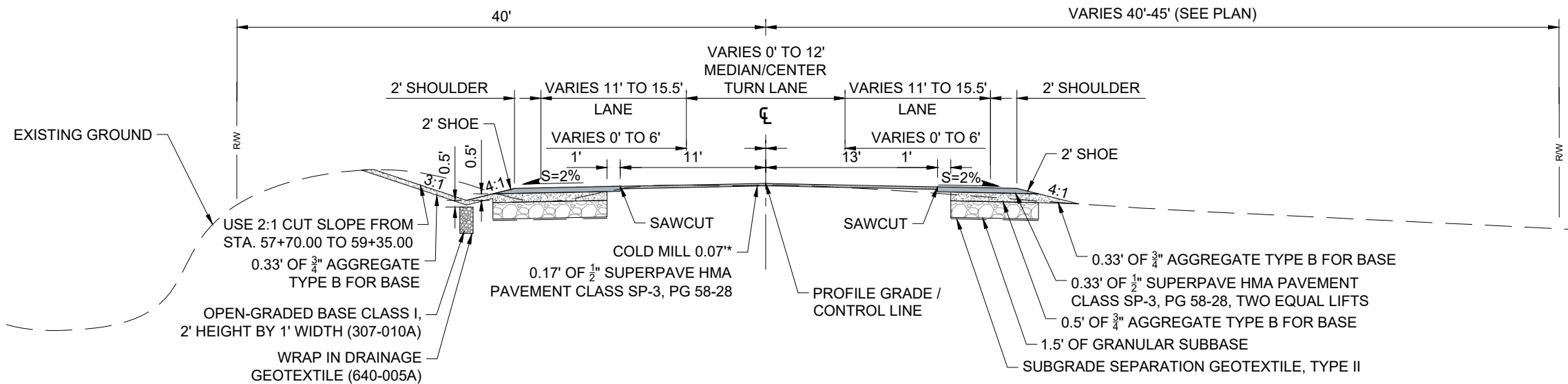
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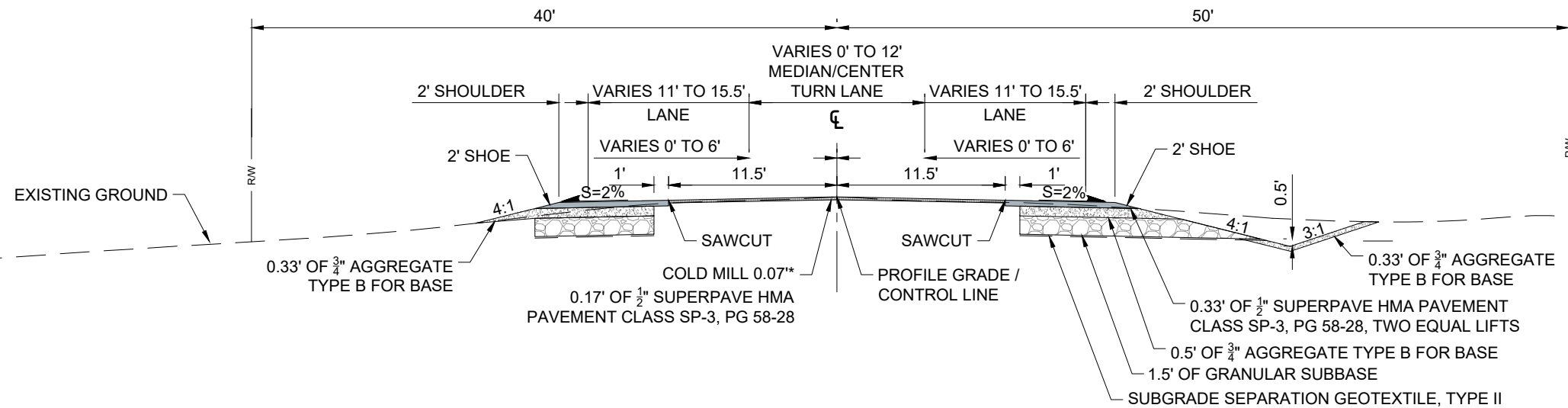
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49TH S - EAST LEG
56+26.41 TO 60+35.00

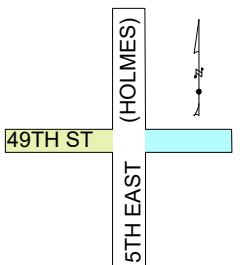


49TH S - WEST LEG
STA. 50+74.00 TO 54+75.33



*SEE B1: COLD MILLING TIE-IN DETAIL ON PROJECT DETAILS SHEET FOR TRANSITION TO EXISTING PAVEMENT.

KEY MAP



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DETAILED P. TARRICONE	
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KELLER ASSOCIATES

PROJECT NO.	A023(889)
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TYPICAL ROADWAY SECTIONS	STC-7316, 5TH E (HOLMES AVE) & 49TH S SIGNAL
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English

COUNTY	BONNEVILLE
KEY NUMBER	23889
SHEET	10 OF 40

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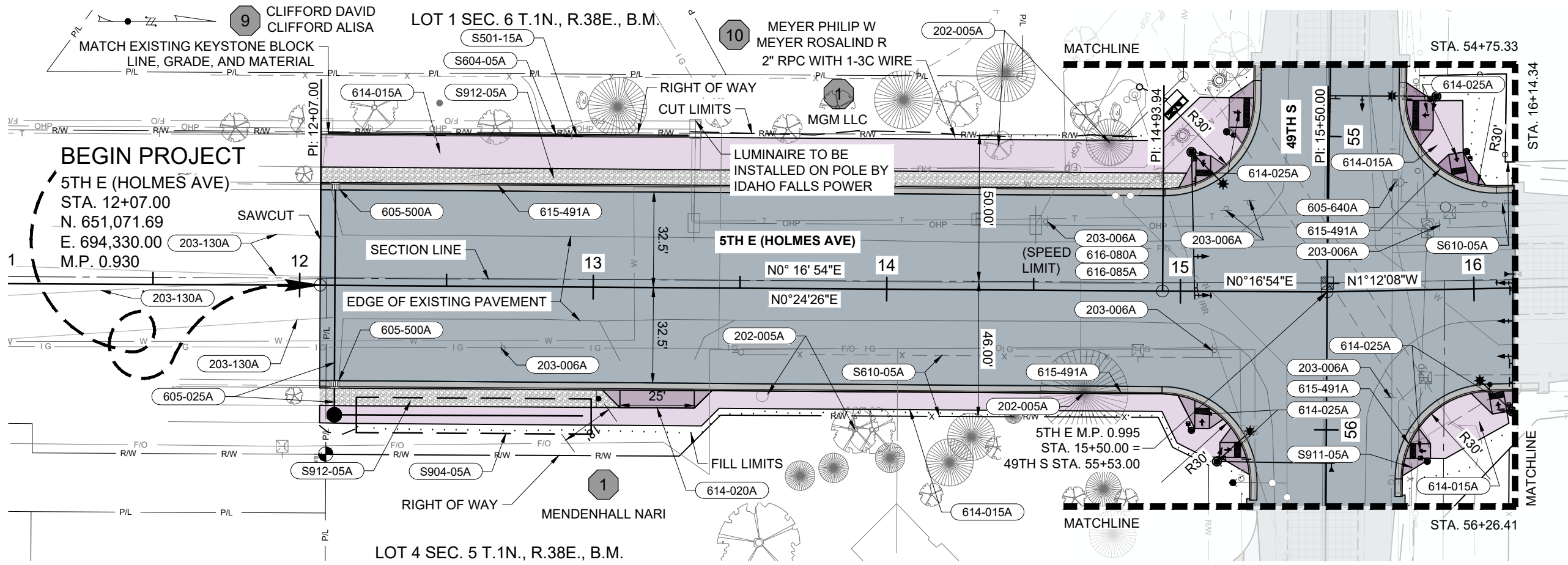
REGISTERED PROFESSIONAL ENGINEER

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STATE OF IDAHO

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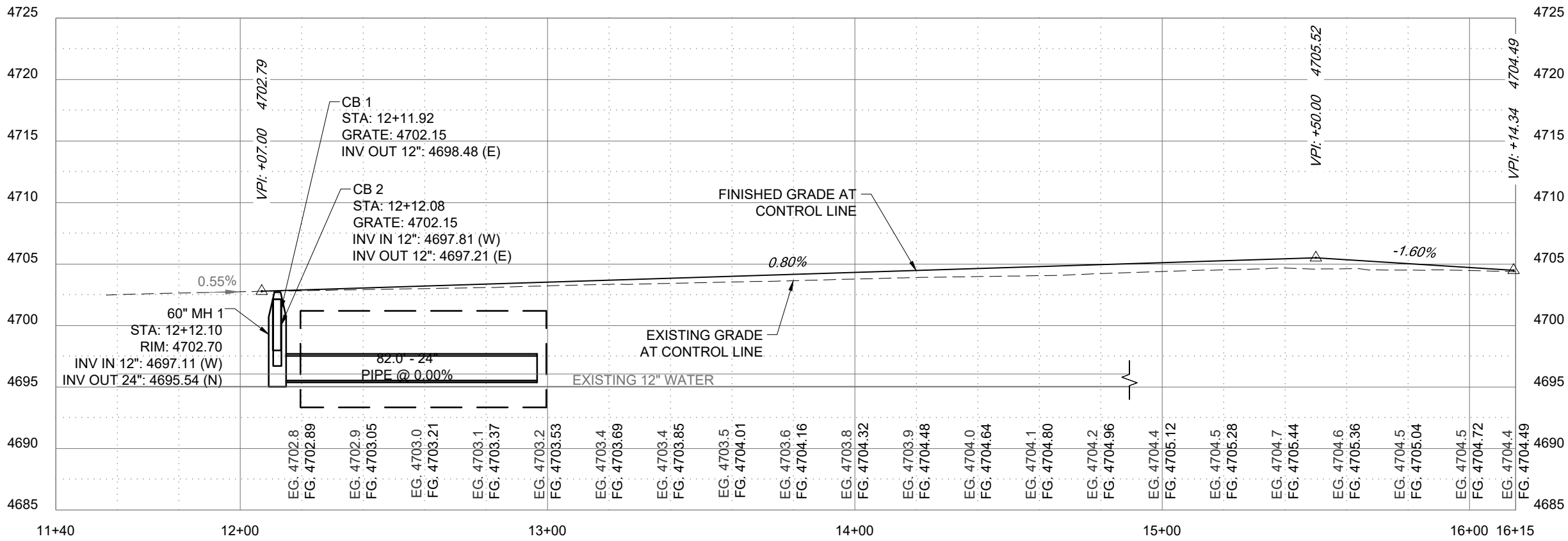
202-005A	SELECTIVE REMOVAL OF TREES INCLUDING STUMPS
1 EACH	13+57.09, 35.9 RT.
1 EACH	13+89.61, 48.0 RT.
1 EACH	14+37.71, 49.5 LT.
1 EACH	14+70.09, 48.0 RT.
1 EACH	14+75.50, 50.5 LT.
203-006A	REMOVAL OF SIGN
1 EACH	12+68.76, 21.0 RT.
1 EACH	14+54.68, 23.3 LT.
1 EACH	15+10.96, 20.2 RT.
1 EACH	15+15.51, 27.5 LT.
1 EACH	15+23.42, 31.0 LT.
1 EACH	15+70.86, 36.5 RT.
1 EACH	15+88.83, 22.0 LT.
203-130A	REMOVAL OF PAVEMENT MARKINGS
175 FT	10+33.08, 7.9 RT. TO 12+07.00, 2.2 LT.
134 FT	10+73.47, 6.8 LT. TO 12+07.00, 2.8 LT.
115 FT	10+92.68, 19.4 RT. TO 12+07.00, 11.3 RT.
92 FT	11+15.43, 16.6 LT. TO 12+07.00, 16.8 LT.
605-025A	12" STORM SEWER PIPE
65 FT	12+11.93, 32.6 LT. TO 12+12.07, 32.5 RT.
7 FT	12+12.08, 35.0 RT. TO 12+12.14, 44.6 RT.

CONTINUED ON FOLLOWING SHEET

LEGEND

- PAVED ROADWAY
- CONCRETE SIDEWALK
- PEDESTRIAN CURBS AND CONCRETE DRIVEWAY APPROACHES
- CONCRETE CURB
- CLEAN AND WASHED OPEN-GRADED BASE
- GRAVEL APPROACH

KEY MAP



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DESIGN CHECKED E. HULSLANDER	
DETAILED P. TARRICONE	
DRAWING CHECKED N. CLEAVER	

IDAHO TRANSPORTATION DEPARTMENT

KELLER ASSOCIATES

PROJECT NO.	A023(889)
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PLAN & PROFILE	STC-7316, 5TH E (HOLMES AVE) & 49TH S SIGNAL
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English

COUNTY	BONNEVILLE
KEY NUMBER	23889
SHEET 11 OF 40	

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CONTINUED FROM PREVIOUS SHEET

- 605-500A CATCH BASIN TYPE 1**
1 EACH 12+11.93, 35.0 LT.
1 EACH 12+12.15, 35.0 RT.
- 605-640A ADJUST VALVE COVERS**
1 EACH 15+73.99, 36.7 LT.
- 614-015A SIDEWALK**
403 SY 12+07.00, 40.3 LT. TO
15+17.33, 45.4 LT.
214 SY 12+07.09, 41.0 RT. TO
15+10.13, 44.8 RT.
25 SY 15+84.68, 46.6 LT. TO
15+97.50, 64.3 LT.
43 SY 15+80.20, 47.1 RT. TO
16+10.97, 46.0 RT.
- 614-020A DRIVEWAY**
22 SY 13+21.57, 38.1 RT.
- 614-025A CURB RAMP (PERPENDICULAR)**
10 SY 15+07.51, 42.5 RT.
10 SY 15+07.67, 42.8 LT.
10 SY 15+16.78, 54.0 RT.
14 SY 15+20.67, 61.1 LT.
10 SY 15+80.86, 55.0 RT.
15 SY 15+83.50, 59.5 LT.
10 SY 15+95.33, 40.8 LT.
10 SY 16+07.41, 38.7 RT.
- 615-491A CURB AND GUTTER TYPE 1**
348 FT 12+07.00, 35.0 LT. TO
15+24.74, 77.9 LT.
341 FT 12+07.00, 35.0 RT. TO
15+23.93, 71.0 RT.
63 FT 15+74.10, 70.2 RT. TO
16+21.34, 35.0 RT.
65 FT 15+78.75, 76.7 LT. TO
16+14.34, 35.0 LT.
- 616-080A REINSTALL SIGN FACE**
1 EACH 14+54.68, 23.3 LT.
- 616-085A REINSTALL SIGN POST**
1 EACH 14+54.68, 23.3 LT.
- S501-15A RETAINING WALL - KEYSTONE BLOCK**
190 SF 12+09.38, 51.9 LT. TO
13+32.00, 51.7 LT.
- S604-05A REM & RESET IRR**
1 LS 12+07.00 TO 15+24.74, LT.

- S610-05A REM & RESET FENCE**
168 FT 13+49.93, 22.7 RT. TO
15+17.69, 22.3 RT.
79 FT 15+83.04, 74.1 LT. TO
16+14.34, 28.7 LT..
- S904-05A SP - MANHOLE AND 12' x 80' SEEPAGE BED**
1 LS 12+19.58, 44.1 RT. TO
12+99.58, 38.1 RT.
- S911-05A SP - REMOVE AND RESET FENCE (VINYL THREE RAIL)**
77 FT 15+76.65, 74.2 RT. TO
16+14.34, 29.5 RT.
- S912-05A SP - LANDSCAPE REPAIR**
172 SY 12+07.00 LT. TO
15+01.89 LT.
66 SY 12+07.00 RT. TO
13+09.35 RT.

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED P. TARRICONE	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
DESIGN CHECKED E. HULSLANDER	CADD FILE NAME 23889_PLPR_001
DETAILED P. TARRICONE	DRAWING DATE: 2/25/26
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IDAHO TRANSPORTATION DEPARTMENT



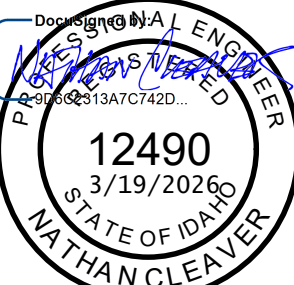
KELLER ASSOCIATES

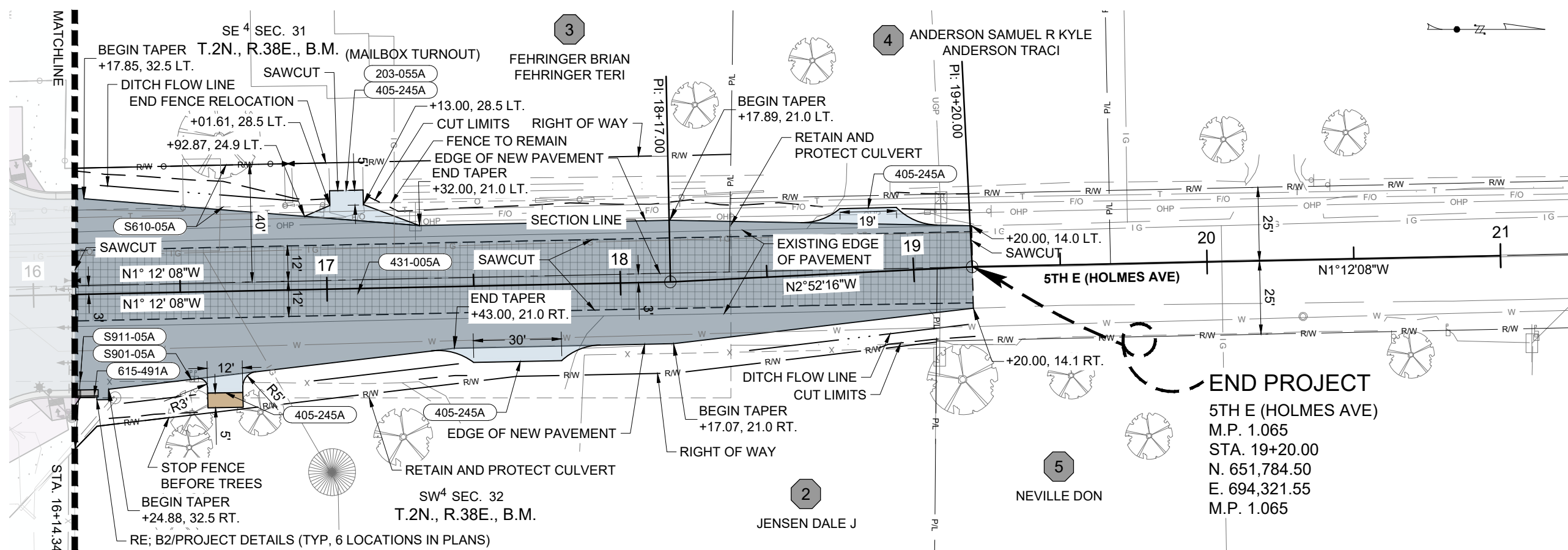
PROJECT NO.
A023(889)

PLAN & PROFILE
STC-7316, 5TH E (HOLMES AVE) & 49TH S SIGNAL

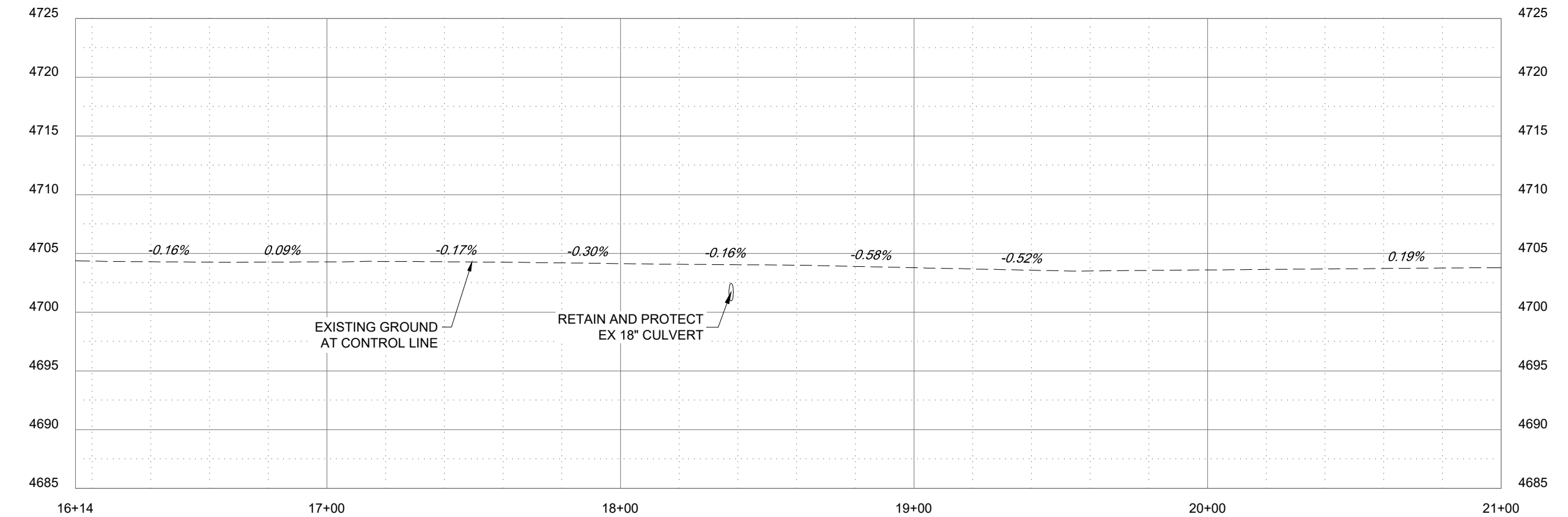
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COUNTY BONNEVILLE
KEY NUMBER 23889
SHEET 12 OF 40

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203-055A	REMOVAL OF CONCRETE PAVEMENT	11 SY	17+08.24, LT.
405-245A	APPROACH	1 EACH	16+64.65, 29.9 RT.
		1 EACH	17+08.24, 25.7 LT.
		1 EACH	17+66.45, 23.7 RT.
		1 EACH	18+85.85, 19.5 LT.
431-005A	COLD MILLING	814 SY	16+14.34 TO 19+20.00
615-491A	CURB AND GUTTER TYPE 1	8 FT	16+14.34, 35.0 RT. TO 16+21.34, 35.0 RT.
S610-05A	REM & RESET FENCE	86 FT	16+14.34, 28.7 LT. TO 17+01.13, 28.8 LT.
S901-05A	SP-REMOVE AND RESET MAILBOX	1 EACH	16+53.25, 29.7 RT.
S911-05A	SP-REMOVE AND RESET FENCE (VINYL THREE RAIL)	35 FT	16+14.34, 29.5 RT. TO 16+45.19, 42.6 RT.



LEGEND

- PAVED ROADWAY
- ASPHALT APPROACH
- GRAVEL APPROACH
- CONCRETE APPROACH
- COLD MILLING

KEY MAP

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DETAILED P. TARRICONE	DRAWING DATE: 2/16/26
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DEPARTMENT

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PROJECT NO. A023(889)	PLAN & PROFILE STC-7316, 5TH E (HOLMES AVE) & 49TH S SIGNAL
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English

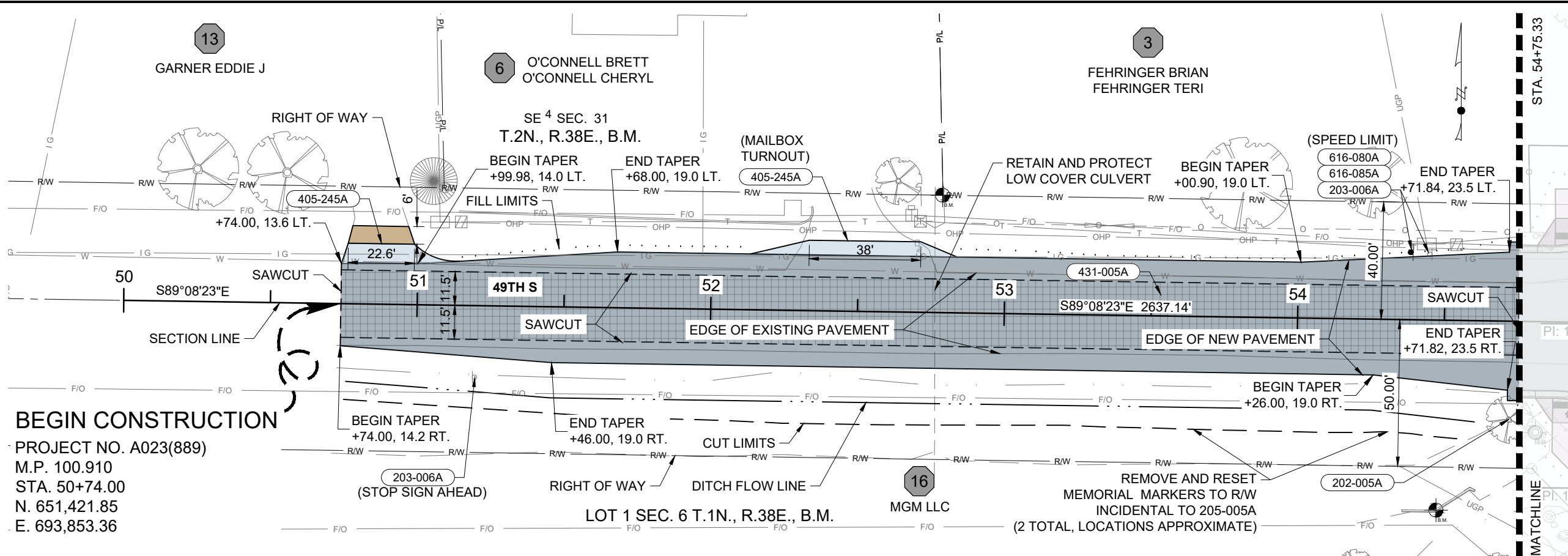
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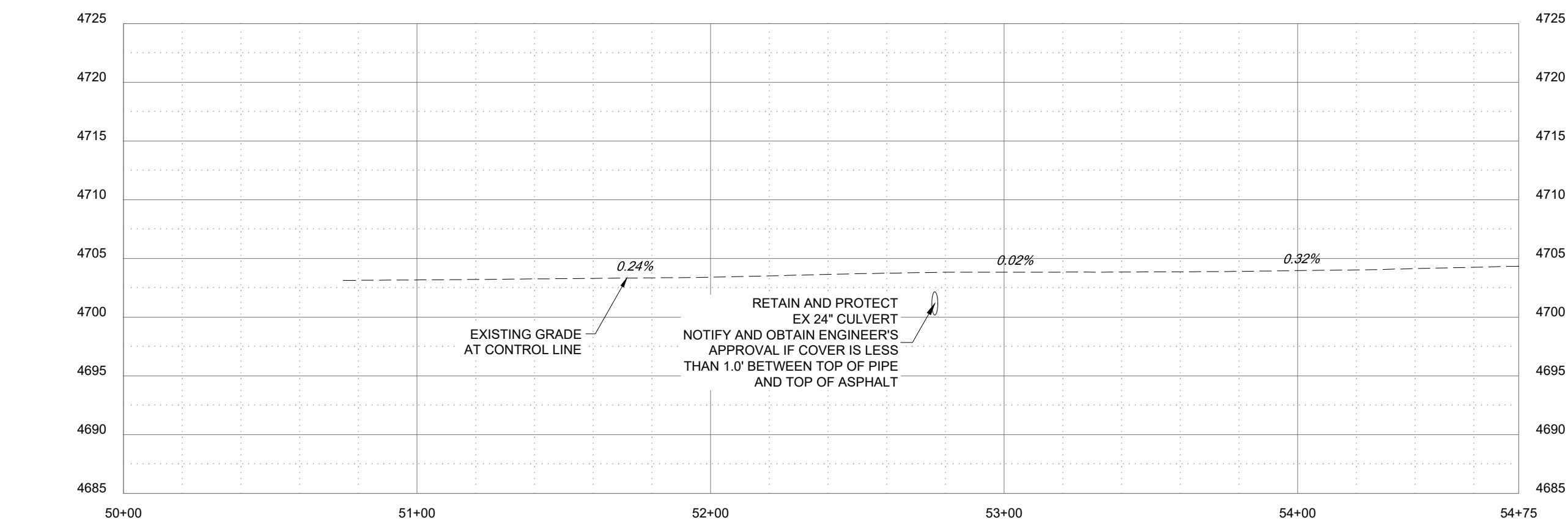
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- 202-005A SELECTIVE REMOVAL OF TREES INCLUDING STUMPS**
1 EACH 54+72.65, 33.5 RT.
- 203-006A REMOVAL OF SIGN**
1 EACH 51+19.71, 24.4 RT.
1 EACH 54+44.87, 22.2 LT.
- 405-245A APPROACH**
1 EACH 50+88.23, 18.2 LT.
1 EACH 52+45.41, 22.6 LT.
- 431-005A COLD MILLING**
1026 SY 50+74.00, 0.0 LT. TO 54+75.33, 0.0 LT.
- 616-080A REINSTALL SIGN FACE**
1 EACH 54+44.87, 22.2 LT.
- 616-085A REINSTALL SIGN POST**
1 EACH 54+44.87, 22.2 LT.



LEGEND

- PAVED ROADWAY
- ASPHALT APPROACH
- GRAVEL APPROACH
- COLD MILLING

KEY MAP

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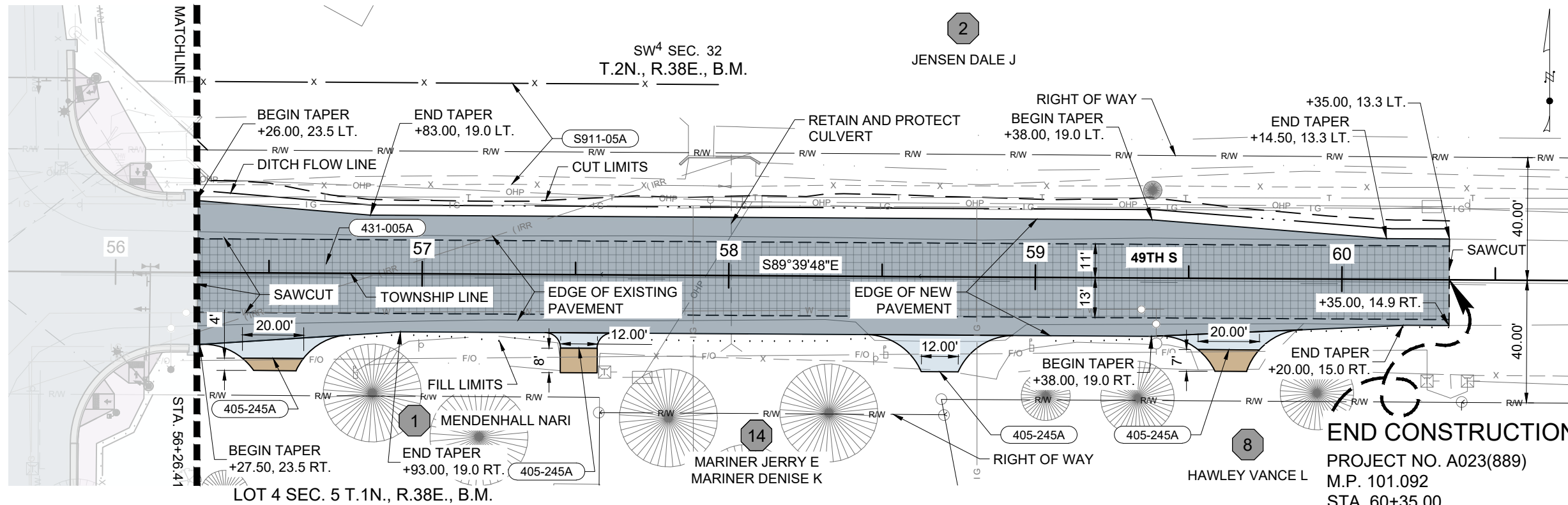
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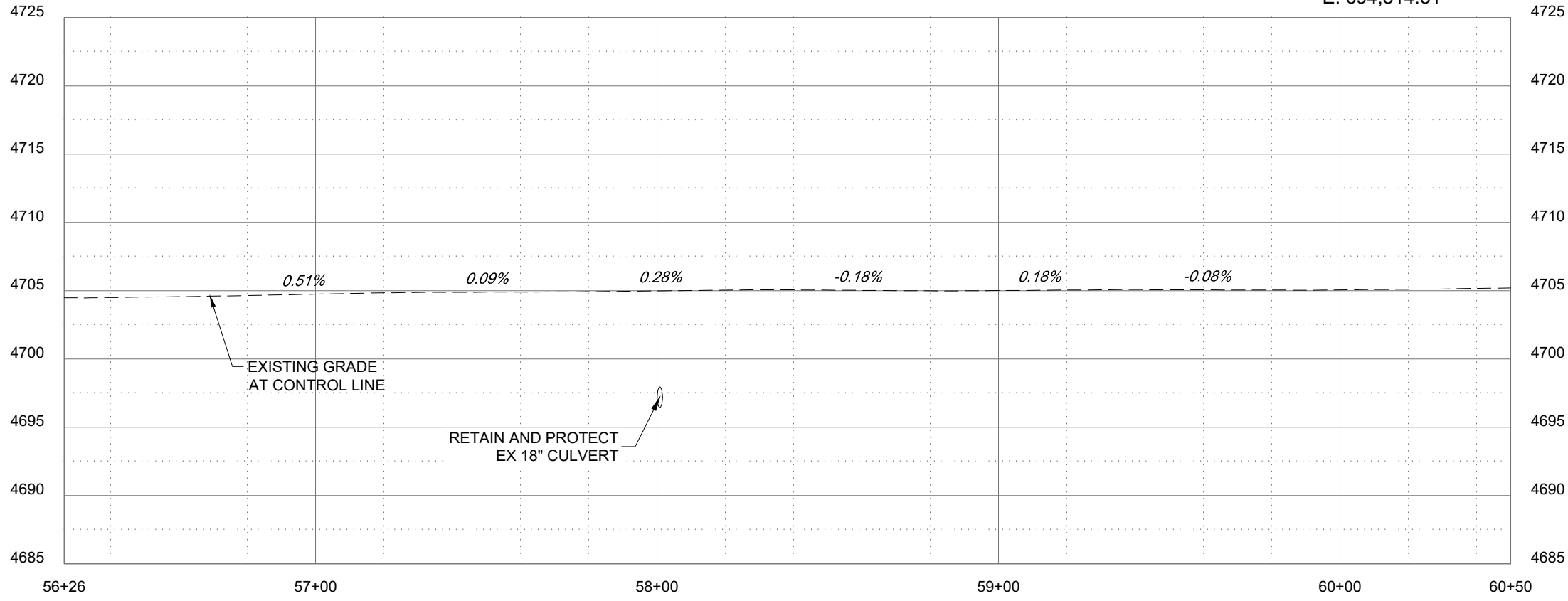
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 KEY NUMBER 23889
 SHEET 14 OF 40

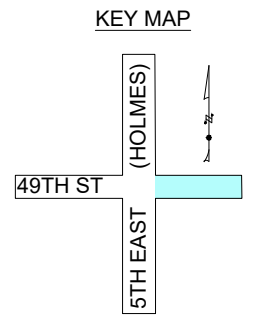


- 405-245A APPROACH**
 - 1 EACH 56+51.45, RT.
 - 1 EACH 57+51.23, RT.
 - 1 EACH 58+69.00, RT.
 - 1 EACH 59+63.20, RT.
- 431-005A COLD MILLING**
 - 1090 SY 56+26.41 TO 60+35.00
- S911-05A SP-REMOVE AND RESET FENCE (VINYL THREE RAIL)**
 - 170 FT 56+26.41, 28.6 LT. TO 57+96.50, 29.2 LT.

END CONSTRUCTION
 PROJECT NO. A023(889)
 M.P. 101.092
 STA. 60+35.00
 N. 651,411.86
 E. 694,814.31



- LEGEND**
- PAVED ROADWAY
 - ASPHALT APPROACH
 - GRAVEL APPROACH
 - COLD MILLING



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DETAILED	P. TARRICONE	CADD FILE NAME 23889_PLPR_004
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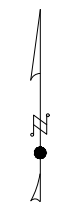
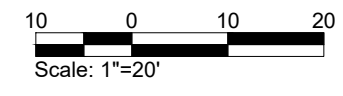
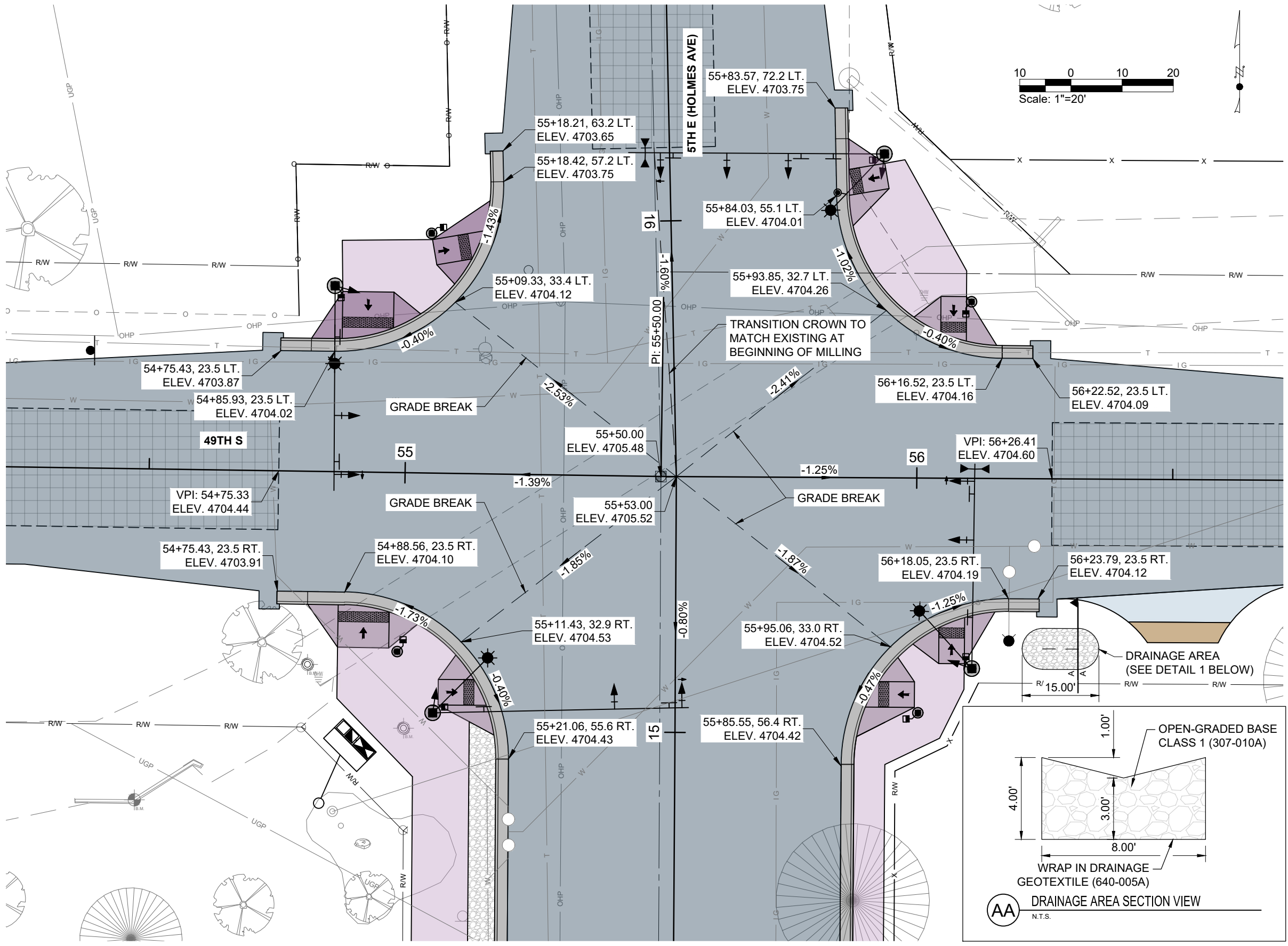
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PROJECT NO.	A023(889)
PLAN & PROFILE	STC-7316, 5TH E (HOLMES AVE) & 49TH S SIGNAL

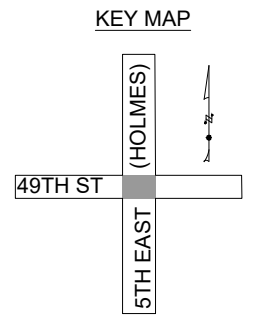
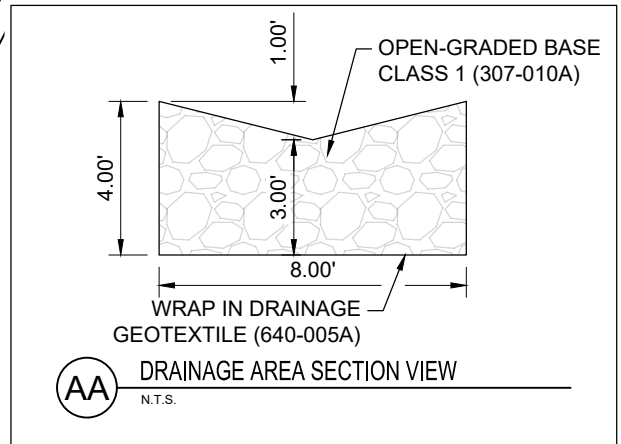
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 KEY NUMBER 23889
 SHEET 15 OF 40

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- LEGEND**
- PAVED ROADWAY
 - CONCRETE SIDEWALK
 - PEDESTRIAN CURB RAMPS AND CONCRETE DRIVEWAY APPROACHES
 - CONCRETE CURB
 - CLEAN AND WASHED OPEN-GRADED BASE
 - COLD MILLING



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	P. TARRICONE	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
DESIGN CHECKED	E. HULSLANDER	
DETAILED	P. TARRICONE	CADD FILE NAME 23889_RDTL_001
DRAWING CHECKED	N. CLEAVER	DRAWING DATE: 2/16/26

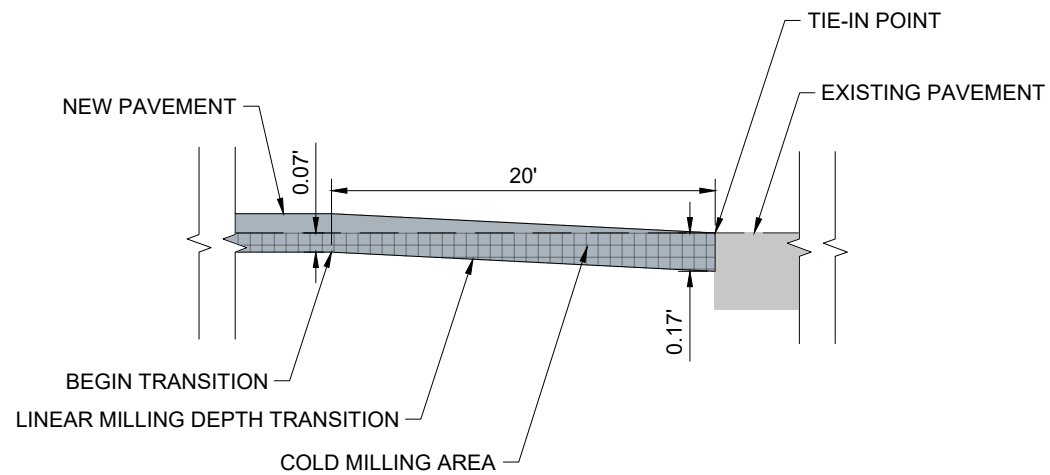
IDAHO TRANSPORTATION DEPARTMENT

KELLER ASSOCIATES

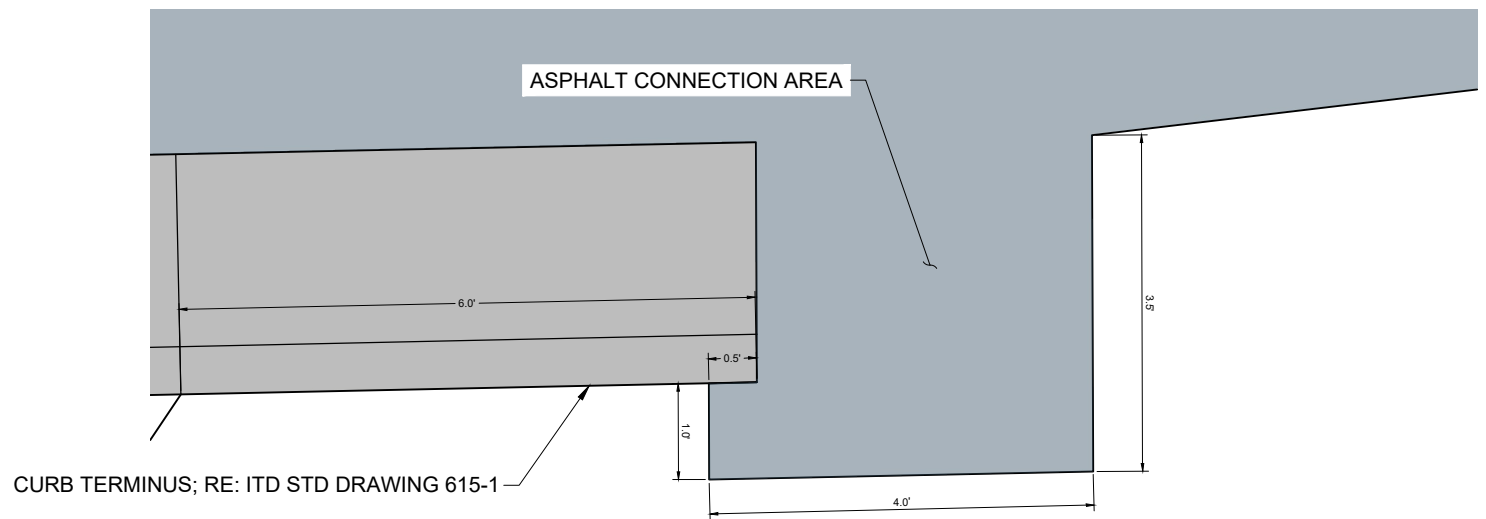
PROJECT NO.	INTERSECTION GRADING PLAN
A023(889)	STC-7316, 5TH E (HOLMES AVE) & 49TH S SIGNAL

English
 COUNTY BONNEVILLE
 KEY NUMBER 23889
 SHEET 16 OF 40

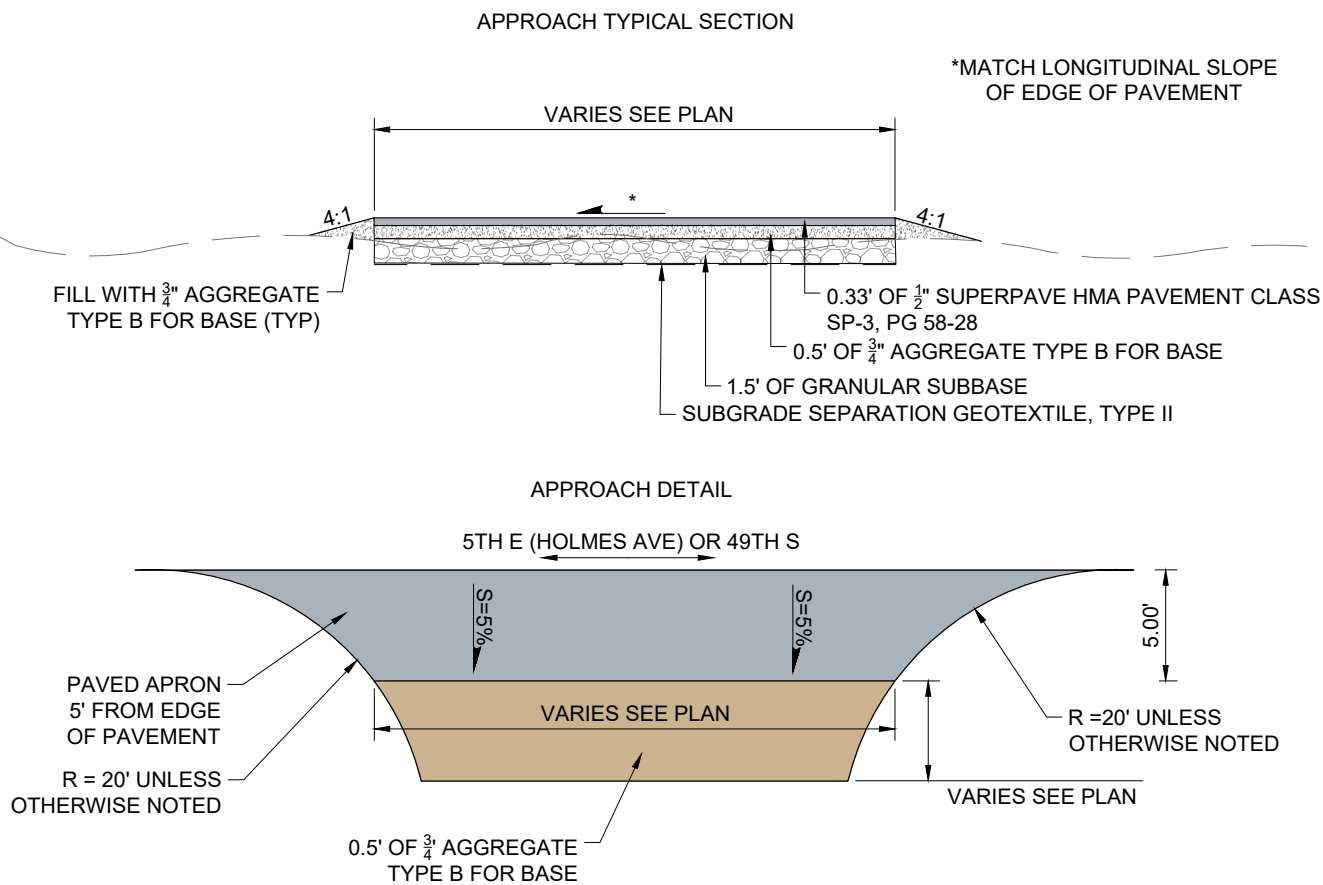
DocuSign
 NATHAN CLEAVER
 12490
 3/19/2026
 STATE OF IDAHO
 NATHAN CLEAVER



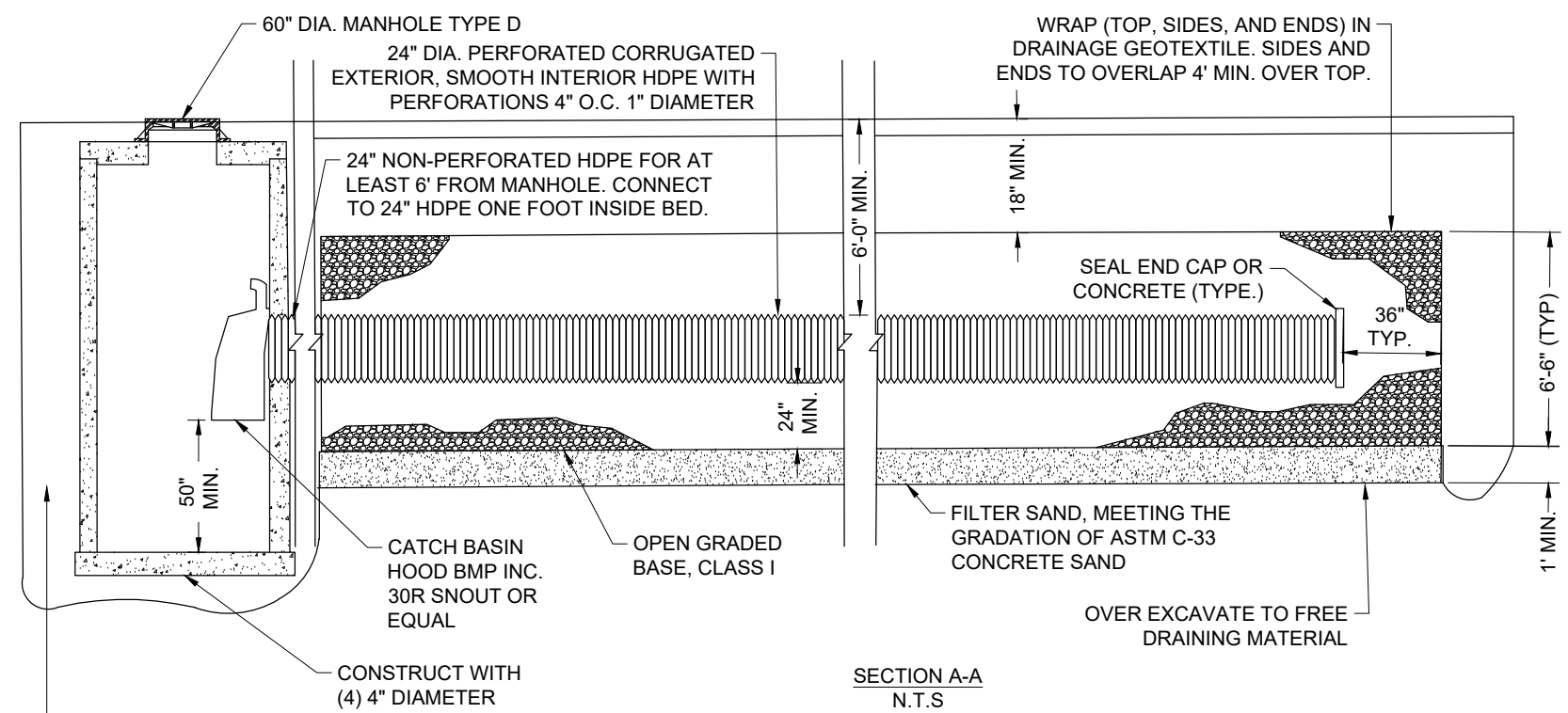
B1 COLD MILLING TIE-IN DETAIL
N.T.S.



B2 CURB TERMINUS ASPHALT CONNECTION DETAIL
SCALE: 1"=2'



A1 DRIVEWAY APPROACH DETAIL
N.T.S.



CONTRACTOR MUST PAY \$75 FEE AND FILE A SHALLOW INJECTION WELL INVENTORY FORM WITH THE IDAHO DEPARTMENT OF WATER RESOURCES, TO COMPLETED INCIDENTAL TO S904-05A
<https://idwr.idaho.gov/wp-content/uploads/sites/2/forms/shallow-well-inventory-form.pdf>

A2 MANHOLE AND SEEPAGE BED DETAIL
N.T.S. S904-05A

J:\222207 LH\A007_23889_BONN_HOLMES & 48TH\PROJECT_DEVELOPMENT\PLAN_SHEETS\ROADWAY\23889_DTLS_001.DWG LAST SAVED: 2/19/2026 2:24 PM PRINTED: 3/10/2026 3:31 PM

REVISIONS			
NO.	DATE	BY	DESCRIPTION

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DESIGN CHECKED	E. HULSLANDER	
DETAILED	P. TARRICONE	CADD FILE NAME
DRAWING CHECKED	N. CLEAVER	23889 DTLS_001
		DRAWING DATE:
		2/16/26

IDAHO TRANSPORTATION DEPARTMENT

KELLER ASSOCIATES

PROJECT NO.	A023(889)
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PROJECT DETAILS	STC-7316, 5TH E (HOLMES AVE) & 49TH S SIGNAL
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English

COUNTY	BONNEVILLE
KEY NUMBER	23889
SHEET	17 OF 40

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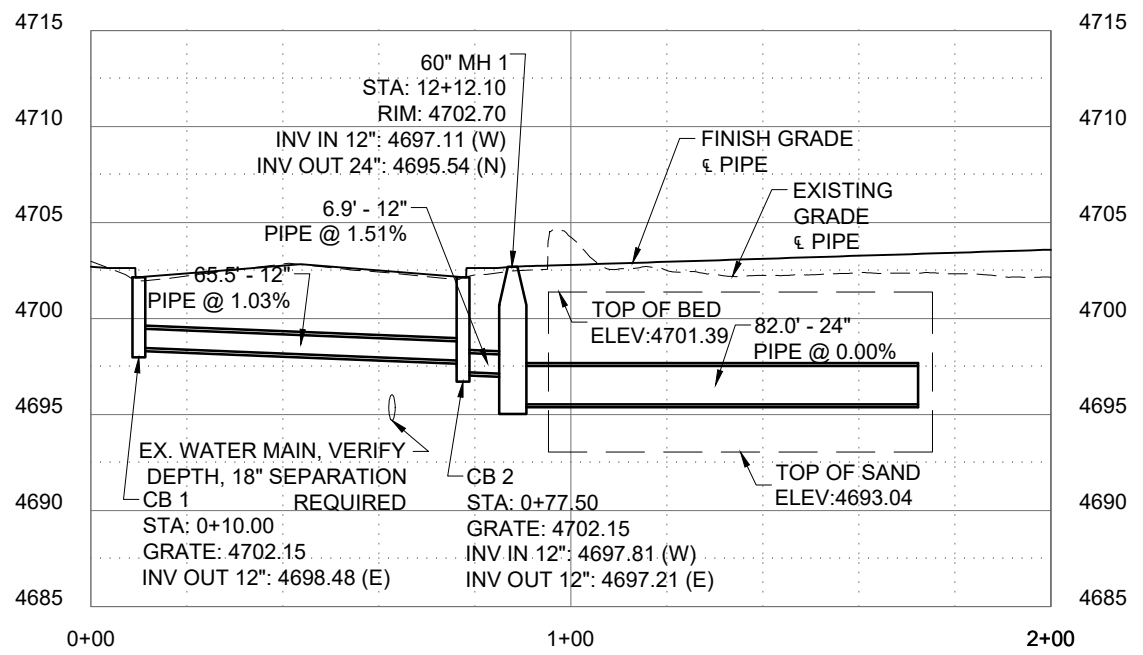
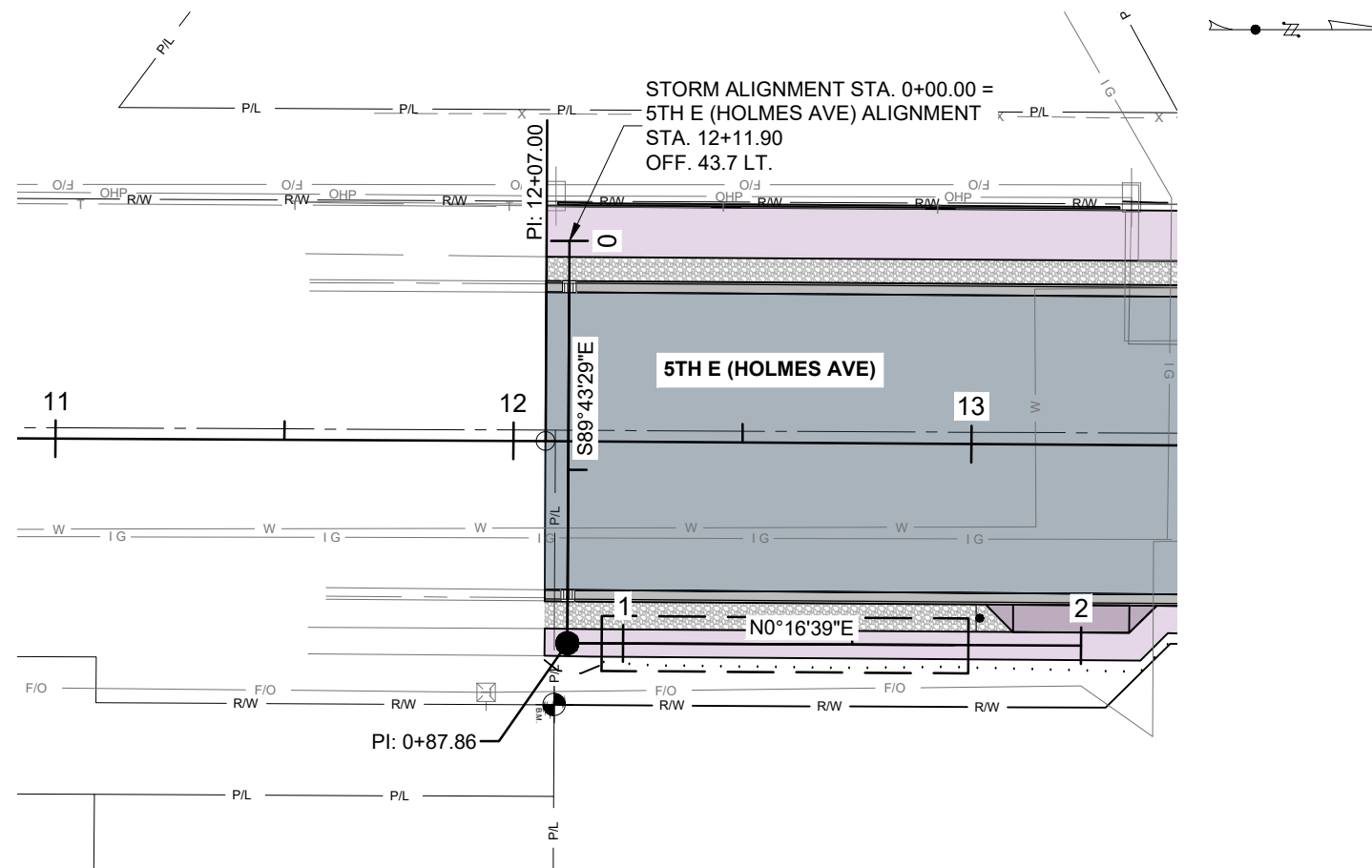
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12490

3/19/2026

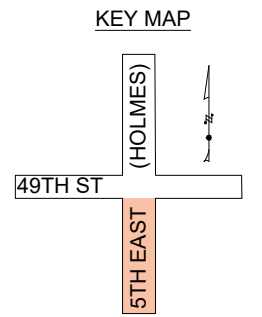
STATE OF IDAHO

NATHAN CLEAVER



LEGEND

- PAVED ROADWAY
- CONCRETE SIDEWALK
- PEDESTRIAN CURB RAMPS AND CONCRETE DRIVEWAY APPROACHES
- CONCRETE CURB
- CLEAN AND WASHED OPEN-GRADED BASE
- GRAVEL APPROACH



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REVISIONS			
NO.	DATE	BY	DESCRIPTION

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DESIGN CHECKED E. HULSLANDER	CADD FILE NAME 23889 SDPR_001
DETAILED P. TARRICONE	DRAWING DATE: 2/16/26
DRAWING CHECKED N. CLEAVER	

IDAHO
 TRANSPORTATION
 DEPARTMENT
KELLER ASSOCIATES

PROJECT NO. A023(889)

STORM DRAINAGE PLAN & PROFILE STC-7316, 5TH E (HOLMES AVE) & 49TH S SIGNAL
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English
COUNTY BONNEVILLE
KEY NUMBER 23889
SHEET 18 OF 40

DocuSign
 NATHAN CLEAVER
 REGISTERED PROFESSIONAL ENGINEER
 STATE OF IDAHO
 12490
 3/19/2026
 23889 SDPR_001

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PAY ITEM	QTY.	DESCRIPTION	PAY ITEM	QTY.	DESCRIPTION																
ITEMS TO BE FURNISHED BY THE CITY OF IDAHO FALLS AND INSTALLED BY THE CONTRACTOR FOR TRAFFIC SIGNAL INSTALLATION																					
S904-05B	1 EACH	<u>SIGNAL CABINET AND SIGNAL CONTROLLER</u> : SIGNAL CABINET TO BE TS-2, TYPE 1, NEMA 'P' TRAFFIC SIGNAL CABINET, WITH CONTROLLER AND ALL RELATED EQUIPMENT, RELAYS, MMU, AND LOAD SWITCHES. SIGNAL CABINET TO MEET I.F. POWER'S CURRENT SPECIFICATIONS WHICH ARE AVAILABLE FROM CITY OF IDAHO FALLS PUBLIC WORKS. CONTROLLER TO BE ECONOLITE. MMU TO BE ECONOLITE.	S904-05B	8 EACH	<u>PEDESTRIAN SIGNAL HEAD</u> : 16" LED, COUNTDOWN TIMER WITH HOUSING TO BE IDC NO. 7090-00 WITH DIALIGHT COUNTDOWN (SIGNAL HEADS 21, 22, 23, 24, 25, 26, 27, AND 28).																
S904-05B	1 EACH	<u>BATTERY BACKUP SYSTEM</u> : UPS UNIT WITH BATTERIES AND ENCLOSURE, TO BE TESCO ALPHA TECHNOLOGIES OR APPROVED EQUAL.	S904-05B	4 EACH	<u>PEDESTRIAN SIGNAL HEAD MOUNTING BRACKETS</u> : FOR SIDE OF POLE TERMINAL COMPARTMENT MOUNTING OF ONE PEDESTRIAN SIGNAL HEAD, TO BE ECONOLITE, MCCAIN, OR APPROVED EQUAL.																
S904-05B	2 EACH	<u>INTERSECTION SIGNAL STRUCTURE</u> : COMBINATION SIGNAL AND LUMINAIRE POLE (INCLUDING POLE BASE COVERS), GALVANIZED STEEL TO BE CLASS 2 WITH 40' SIGNAL MAST ARM AT 19' MOUNTING HEIGHT AND 15' LUMINAIRE ARM AT 40' MOUNTING HEIGHT TO BE VALMONT DS-32 SERIES, AMERON N SERIES, OR APPROVED EQUAL (POLES B AND D).	S904-05B	8 EACH	<u>PEDESTRIAN PUSHBUTTON ASSEMBLIES</u> : TO BE DICK CAMPBELL. PUSHBUTTONS TO BE POLARA ENGINEERING.																
S904-05B	2 EACH	<u>INTERSECTION SIGNAL STRUCTURE</u> : COMBINATION SIGNAL AND LUMINAIRE POLE (INCLUDING POLE BASE COVERS), GALVANIZED STEEL TO BE CLASS 2 WITH 50' SIGNAL MAST ARM AT 19' MOUNTING HEIGHT AND 15' LUMINAIRE ARM AT 40' MOUNTING HEIGHT TO BE VALMONT DS-32 SERIES, AMERON N SERIES, OR APPROVED EQUAL (POLES A AND C).	S904-05B	1 EACH	<u>VIDEO DETECTION SYSTEM</u> : TO BE CURRUX VIDEO DETECTION SYSTEM, SINGLE DOME CAMERA WITH 360 DEGREE VISION. TO INCLUDE ALL MATERIALS FOR A COMPLETE INSTALL INCLUDING MOUNTING BRACKETS, CABLING AND CABINET EQUIPMENT REQUIRED FOR A FULL INSTALL BASED ON THE MANUFACTURE SPECIFICATIONS.																
S904-05B	4 EACH	<u>INTERSECTION PEDESTRIAN SYSTEM</u> : PEDESTRIAN SIGNAL POLE, TO BE 4" SCH 40 A-53 GALVANIZED STEEL PIPE WITH PELCO PB5308 PEDESTAL BASE (POLES A1P, B1P, C1P, AND D1P).	S904-05B	4 EACH	<u>EMERGENCY VEHICLE PRE-EMPT DETECTORS</u> : TO BE MOVISION OPTICOM WITH RADIO ANTENNA. WITH MOUNTING BRACKETS TO BE ASTRO-BRAC.																
S904-05B	9 EACH	<u>VEHICLE SIGNAL HEAD</u> : THREE-SECTION VERTICAL, 12" EMPTY, POLYCARBONATE, WITH 5" BLACK BACKPLATE AND 12" OLIVE GREEN TUNNEL VISORS, TO BE PEEK; SIEMENS ITS; OR MCCAIN; OR APPROVED EQUAL. BACKPLATE TO INCLUDE RETROFLECTIVE BORDER, TO BE 3M DIAMOND GRADE CONSPICUITY SHEETING SERIES 983-71 YELLOW TAPE IN 2 INCH WIDTH. RETROFLECTIVE TAPE TO BE ALIGNED ON THE OUTER EDGE OF THE BACKPLATE. (SIGNAL HEADS 2, 4, 6, 8, 10, 11, 12, 14, AND 15). <u>VEHICLE SIGNAL MODULES</u> : 12" DIAMETER WITH QUICK DISCONNECT LEADS, SMOOTH LENS SURFACE, 120 VAC. TO BE THE FOLLOWING OR APPROVED EQUAL:	S904-05B	4 EACH	<u>PHASE SELECTOR</u> : TO BE MOVISION OPTICOM.																
S904-05B	9 EACH	<table border="0"> <tr> <td></td> <td><u>GELCOR</u></td> <td><u>LEOTEK</u></td> <td><u>DIALIGHT</u></td> </tr> <tr> <td>LED RED BALL</td> <td>DR6-RTFB-17A</td> <td>TSL-12R-LX-IL6-A1</td> <td>433-12100-003XL</td> </tr> <tr> <td>LED YELLOW BALL</td> <td>DR6-YTFB-17A</td> <td>TSL-12Y-LX-IL6-A1</td> <td>433-3230-001XL</td> </tr> <tr> <td>LED GREEN BALL</td> <td>DR6-GCFB-17A</td> <td>TSL-12G-LX-IL6-A1-CLR</td> <td>433-2270-001XL</td> </tr> </table>		<u>GELCOR</u>	<u>LEOTEK</u>	<u>DIALIGHT</u>	LED RED BALL	DR6-RTFB-17A	TSL-12R-LX-IL6-A1	433-12100-003XL	LED YELLOW BALL	DR6-YTFB-17A	TSL-12Y-LX-IL6-A1	433-3230-001XL	LED GREEN BALL	DR6-GCFB-17A	TSL-12G-LX-IL6-A1-CLR	433-2270-001XL	656-065A	1 EACH	<u>COMBINED CABINET & SERVICE PEDESTAL FOUNDATION</u> : REINFORCED CONCRETE FOR COMBINATION SIGNAL CABINET, UPS, AND SERVICE PEDESTAL WITH CONCRETE PAD. REFER TO CITY STANDARD DRAWING IF-1110 FOR DETAILS.
	<u>GELCOR</u>	<u>LEOTEK</u>	<u>DIALIGHT</u>																		
LED RED BALL	DR6-RTFB-17A	TSL-12R-LX-IL6-A1	433-12100-003XL																		
LED YELLOW BALL	DR6-YTFB-17A	TSL-12Y-LX-IL6-A1	433-3230-001XL																		
LED GREEN BALL	DR6-GCFB-17A	TSL-12G-LX-IL6-A1-CLR	433-2270-001XL																		
S904-05B	4 EACH	<u>VEHICLE SIGNAL HEAD</u> : FOUR-SECTION VERTICAL, 12", EMPTY, POLYCARBONATE, WITH 5" BLACK BACKPLATE AND 12" OLIVE GREEN TUNNEL VISORS, TO BE PEEK; SIEMENS ITS; OR MCCAIN; OR APPROVED EQUAL. BACKPLATE TO INCLUDE RETROFLECTIVE BORDER, TO BE 3M DIAMOND GRADE CONSPICUITY SHEETING SERIES 983-71 YELLOW TAPE IN 2 INCH WIDTH. RETROFLECTIVE TAPE TO BE ALIGNED ON THE OUTER EDGE OF THE BACKPLATE. (SIGNAL HEADS 1, 5, 9, AND 13). <u>VEHICLE SIGNAL MODULES</u> : WITH QUICK DISCONNECT LEADS, SMOOTH LENS SURFACE, 120 VAC. TO BE THE FOLLOWING OR APPROVED EQUAL:	S904-05B	4 EACH	<u>FOUNDATION FOR INTERSECTION SIGNAL STRUCTURE TYPE F</u> : FOR SIGNAL POLES (FOUNDATION AND ANCHOR BOLTS ONLY), REFER TO CITY STANDARD DRAWING IF-1109 (POLES A, B, C, D).																
S904-05B	4 EACH	<table border="0"> <tr> <td></td> <td><u>GELCOR</u></td> <td><u>LEOTEK</u></td> <td><u>DIALIGHT</u></td> </tr> <tr> <td>LED RED ARROW</td> <td>TRA-R12DG-IN</td> <td>TSL-12RA-DT-A1</td> <td>432-1314-011XOW15</td> </tr> <tr> <td>LED YELLOW ARROW</td> <td>TRA-Y12DG-IN2</td> <td>TSL-12YA-DT-A1</td> <td>431-3334-911XOW15</td> </tr> <tr> <td>LED GREEN ARROW</td> <td>TRA-G12DG-IN</td> <td>TSL-12GA-DT-A1</td> <td>432-2374-001XOD52</td> </tr> </table>		<u>GELCOR</u>	<u>LEOTEK</u>	<u>DIALIGHT</u>	LED RED ARROW	TRA-R12DG-IN	TSL-12RA-DT-A1	432-1314-011XOW15	LED YELLOW ARROW	TRA-Y12DG-IN2	TSL-12YA-DT-A1	431-3334-911XOW15	LED GREEN ARROW	TRA-G12DG-IN	TSL-12GA-DT-A1	432-2374-001XOD52	S904-05B	4 EACH	<u>FOUNDATION FOR INTERSECTION SIGNAL STRUCTURE TYPE A</u> : FOR PEDESTRIAN SIGNAL POLES (FOUNDATION AND ANCHOR BOLTS ONLY), REFER TO CITY STANDARD DRAWING IF-1109 (POLES A1P, B1P, C1P, AND D1P).
	<u>GELCOR</u>	<u>LEOTEK</u>	<u>DIALIGHT</u>																		
LED RED ARROW	TRA-R12DG-IN	TSL-12RA-DT-A1	432-1314-011XOW15																		
LED YELLOW ARROW	TRA-Y12DG-IN2	TSL-12YA-DT-A1	431-3334-911XOW15																		
LED GREEN ARROW	TRA-G12DG-IN	TSL-12GA-DT-A1	432-2374-001XOD52																		
S904-05B	5 EACH	<u>THREE-SECTION VEHICLE SIGNAL HEAD MOUNTING BRACKETS FOR MAST ARM MOUNTING</u> : TO BE PELCO (SIGNAL HEADS 2, 6, 10, 11, AND 14).	S904-05B	1 EACH	<u>ELECTRICAL SERVICE PEDESTAL TYPE 3</u> : UNDERGROUND 100 AMP, DUAL METERED AND CONFIGURED AS PER SCHEMATIC 120/240 VOLT, SINGLE PHASE (TRAFFIC SIGNAL AND LIGHTING SERVICE) TO BE MYERS MODEL NO. MEUG24-D-UPS, MILBANK MODEL NO. CP3B2212HBWNT04, TESCO MODEL 27 OR APPROVED EQUAL.																
S904-05B	4 EACH	<u>FOUR-SECTION VEHICLE SIGNAL HEAD MOUNTING BRACKETS FOR MAST ARM MOUNTING</u> : TO BE PELCO (SIGNAL HEADS 1, 5, 9, AND 13).	S904-05B	12 EACH	<u>PHOTOELECTRIC CONTROL</u> : 240-VOLT, TO BE MOUNTED ON RECEPTACLE PROVIDED IN ELECTRICAL SERVICE PEDESTAL TO BE INTERMATIC MODEL NO. LC 2000 SERIES, GE MODEL NO. PECOTL, FISHER-PIERCE MODEL NO. 7790 EES OR APPROVED EQUAL.																
S904-05B	4 EACH	<u>VEHICLE SIGNAL HEAD MOUNTING BRACKETS</u> : FOR SIDE OF POLE TERMINAL COMPARTMENT MOUNTING OF ONE THREE-SECTION VEHICLE SIGNAL HOUSING, TO BE ECONOLITE, MCCAIN, OR APPROVED EQUAL. (SIGNAL HEADS 4, 8, 12, AND 15).	S904-05B	4 EACH	<u>JUNCTION BOX</u> : 24" X 18" X 12" DEEP, POLYMER CONCRETE COMPOSITE WITH TRAFFIC RATED COVER. TO BE SIZE PGB TYPE S40T-ADA JUNCTION BOXES. INSTALL AS PER IDAHO TRANSPORTATION DEPARTMENT SPECIFICATION BOOK 2023 SECTION 713.																
ITEMS TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR FOR TRAFFIC SIGNAL INSTALLATION																					
MISCELLANEOUS ITEMS TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR																					
			S904-05B	VARIOUS	<u>TO INCLUDE</u> : RIGID STEEL AND PLASTIC CONDUIT, WATERTIGHT STEEL CONDUIT ELBOWS, #8 THWN STRANDED WIRE (600V) #12 AWG THWN STRANDED WIRE (600V); #14 AWG 7C SIGNAL CABLE (IMSA 19-1-1984); #14 AWG 5C SIGNAL CABLE (IMSA 19-1-1984); #14 AWG 4C SIGNAL CABLE (IMSA 19-1-1984); #14 3C SIGNAL CABLE (IMSA 19-1-1984); #14 AWG 2C SIGNAL CABLE (IMSA 19-1-1984); GPS PREEMPT DETECTION CABLE; COMBINATION POWER AND COAXIAL CCTV CABLE; SINGLE SHIELDED CAT5E CABLE FOR DETECTION SYSTEM; BLACKBURN PART NOS. USL11 AND USL30 SPLICE KITS; AND VARIOUS OTHER ITEMS, HARDWARE, AND FITTINGS NECESSARY FOR A COMPLETE INSTALLATION OF ALL SIGNAL, RADAR DETECTION, AND ILLUMINATION COMPONENTS AS PER THE MANUFACTURERS SPECIFICATIONS.																

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED N. Maller	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
DESIGN CHECKED E. Hulslander	CADD FILE NAME 23889 SGMS_001
DETAILED N. Maller	DRAWING DATE: 10/23/2024
DRAWING CHECKED I. Medina	

IDAHO TRANSPORTATION DEPARTMENT



KELLER ASSOCIATES

PROJECT NO.	A023(889)
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SIGNAL MATERIAL LIST	STC-7316, 5TH E (HOLMES AVE) & 49TH S SIGNAL
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English
COUNTY BONNEVILLE
KEY NUMBER 23889
SHEET 19 OF 40

DocuSigned by
ISMAEL MEDINA
PROFESSIONAL ENGINEER
18254
3/19/2026
STATE OF IDAHO
ISMAEL MEDINA

POWER SOURCE

SOUTHWEST CORNER BY IDAHO FALLS POWER

LIGHTING SPECIFICATIONS

ILLUMINATION LIGHT EMITTING DIODE (LED)
 DISTRIBUTION TYPE III
 MOUNTING HT. 40 FEET
 CIRCUITRY UNDERGROUND CONDUIT
 SERVICE PEDESTAL MOUNTED 120/240 VOLT
 SUPPORT GALVANIZED POLES AND STANDARD EXTENSIONS ON SIGNAL POLES

POLE B
 STA. 54+85.81, OFF. 36.3' LT.
 COMBINATION SIGNAL & LUMINAIRE POLE
 SIGNAL MAST ARM: 40'
 LUMINAIRE MAST ARM: 15'
 LUMINAIRE MOUNTING HEIGHT: 40'
 INSTALL PEDESTRIAN SIGNAL HEAD & PEDESTRIAN PUSH BUTTON
 TOP OF FOUNDATION ELEV. 4704.67'

POLE C
 STA. 55+93.30, OFF. 63.3' LT.
 COMBINATION SIGNAL & LUMINAIRE POLE
 SIGNAL MAST ARM: 50'
 LUMINAIRE MAST ARM: 15'
 LUMINAIRE MOUNTING HEIGHT: 40'
 INSTALL PEDESTRIAN SIGNAL HEAD & PEDESTRIAN PUSH BUTTON
 TOP OF FOUNDATION ELEV. 4704.52'

POLE B1P
 STA. 55+04.51, OFF. 46.8' LT.
 12' PEDESTRIAN SIGNAL POLE & PEDESTRIAN PUSH BUTTON
 TOP OF FOUNDATION ELEV. 4704.63'

POLE C1P
 STA. 56+10.50, OFF. 34.5' LT.
 12' PEDESTRIAN SIGNAL POLE & PEDESTRIAN PUSH BUTTON
 TOP OF FOUNDATION ELEV. 4704.84'

POLE A1P
 STA. 54+99.00, OFF. 35.0' RT.
 12' PEDESTRIAN SIGNAL POLE & PEDESTRIAN PUSH BUTTON
 TOP OF FOUNDATION ELEV. 4704.94'

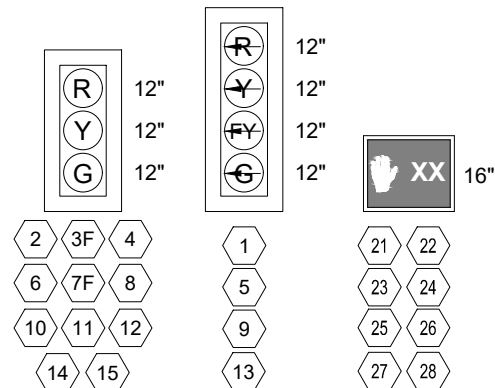
POLE D1P
 STA. 56+00.46, OFF. 45.9' RT.
 12' PEDESTRIAN SIGNAL POLE & PEDESTRIAN PUSH BUTTON
 TOP OF FOUNDATION ELEV. 4705.15'

POLE D
 STA. 56+10.97, OFF. 37.2' RT.
 COMBINATION SIGNAL & LUMINAIRE POLE
 SIGNAL MAST ARM: 40'
 LUMINAIRE MAST ARM: 15'
 LUMINAIRE MOUNTING HEIGHT: 40'
 INSTALL PEDESTRIAN SIGNAL HEAD & PEDESTRIAN PUSH BUTTON
 TOP OF FOUNDATION ELEV. 4705.02'

SIGNAL CONTROLLER & SERVICE CABINET
 STA. 54+88.65, OFF. 48.3' RT
 MEASURED TO NORTHWEST CORNER OF FOUNDATION

POLE A
 STA. 55+06.10, OFF. 46.9' RT.
 COMBINATION SIGNAL & LUMINAIRE POLE
 SIGNAL MAST ARM: 50'
 LUMINAIRE MAST ARM: 15'
 LUMINAIRE MOUNTING HEIGHT: 40'
 INSTALL PEDESTRIAN SIGNAL HEAD & PEDESTRIAN PUSH BUTTON
 TOP OF FOUNDATION ELEV. 4705.16'

SIGNAL HEAD SCHEDULE



* SIGNAL HEADS 3F AND 7F DESIGNATE FUTURE HEADS, NOT IN CONTRACT. EXTEND FUTURE USE WIRING AS DIRECTED BY IDAHO FALLS.

ROADWAY LEGEND

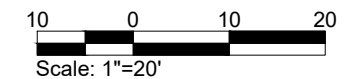
- PAVED ROADWAY
- CONCRETE SIDEWALK
- PEDESTRIAN CURB RAMPS AND CONCRETE DRIVEWAY APPROACHES
- CONCRETE CURB

SYMBOL LEGEND

- CONCRETE SIZE "C" JUNCTION BOX
- COMPOSITE SIZE PGC JUNCTION BOX
- LUMINAIRE W/ARM
- SIGNAL HEAD (3 SECTION)
- SIGNAL HEAD (4 SECTION)
- PEDESTRIAN HEAD
- SINGLE POINT VIDEO DETECTION CAMERA SIGN (MAST ARM MOUNTED)
- SIGNAL POLE W/MAST ARM
- PEDESTRIAN PUSHBUTTON POLE
- PRE-EMPT DETECTOR/INDICATOR
- SIGNAL & PEDESTRIAN HEAD NUMBER
- CONTROLLER & SERVICE PEDESTAL
- POWER SOURCE

NOTES

1. COORDINATE WITH IDAHO FALLS POWER AND ROCKY MOUNTAIN POWER FOR RELOCATIONS AND TO ENSURE ADEQUATE CONSTRUCTION CLEARANCES TO OVERHEAD LINES.
2. POTHOLE LOCATIONS OF PROPOSED POLE AND CABINET FOUNDATIONS PRIOR TO CONSTRUCTION AND PRIOR TO ORDERING SIGNAL EQUIPMENT. BRING ANY CONFLICTS IMMEDIATELY TO THE ATTENTION OF THE ENGINEER.
3. LOCATION OF TRAFFIC SIGNAL CABINET, SERVICE PEDESTAL AND SIGNAL POLE FOUNDATIONS MUST BE VERIFIED BY IDAHO FALLS PRIOR TO INSTALLATION. NOTIFY CITY OF IDAHO FALLS AT LEAST FIVE WORKING DAYS PRIOR TO INSTALLATION.
4. CONTACT CITY FOR CITY OWNED UTILITIES. NO EXCAVATION CAN OCCUR UNTIL KNOWN/SHOWN UTILITIES ARE MARKED.
5. CULVERT TO BE INSTALLED BY OTHERS. RETAIN AND PROTECT BOX CULVERTS DURING CONSTRUCTION OF 12' PEDESTRIAN SIGNAL POLE AND PEDESTRIAN PUSH BUTTON.
6. MAINTAIN 6" MINIMUM CLEARANCE BETWEEN BOX CULVERT AND PEDESTRIAN SIGNAL POLE FOUNDATION



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REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED N. MALLER	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
DESIGN CHECKED I. MEDINA	CADD FILE NAME 23889 SIGL 001
DETAILED P. TARRICONE	DRAWING DATE: 3/4/26
DRAWING CHECKED N. CLEAVER	

IDAHO TRANSPORTATION DEPARTMENT

KELLER ASSOCIATES

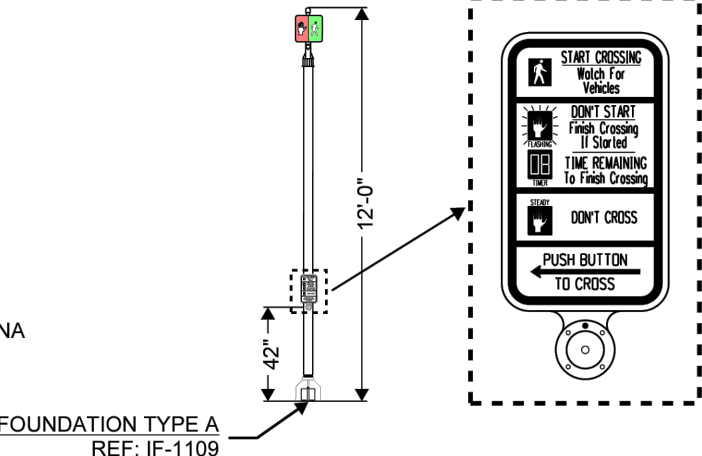
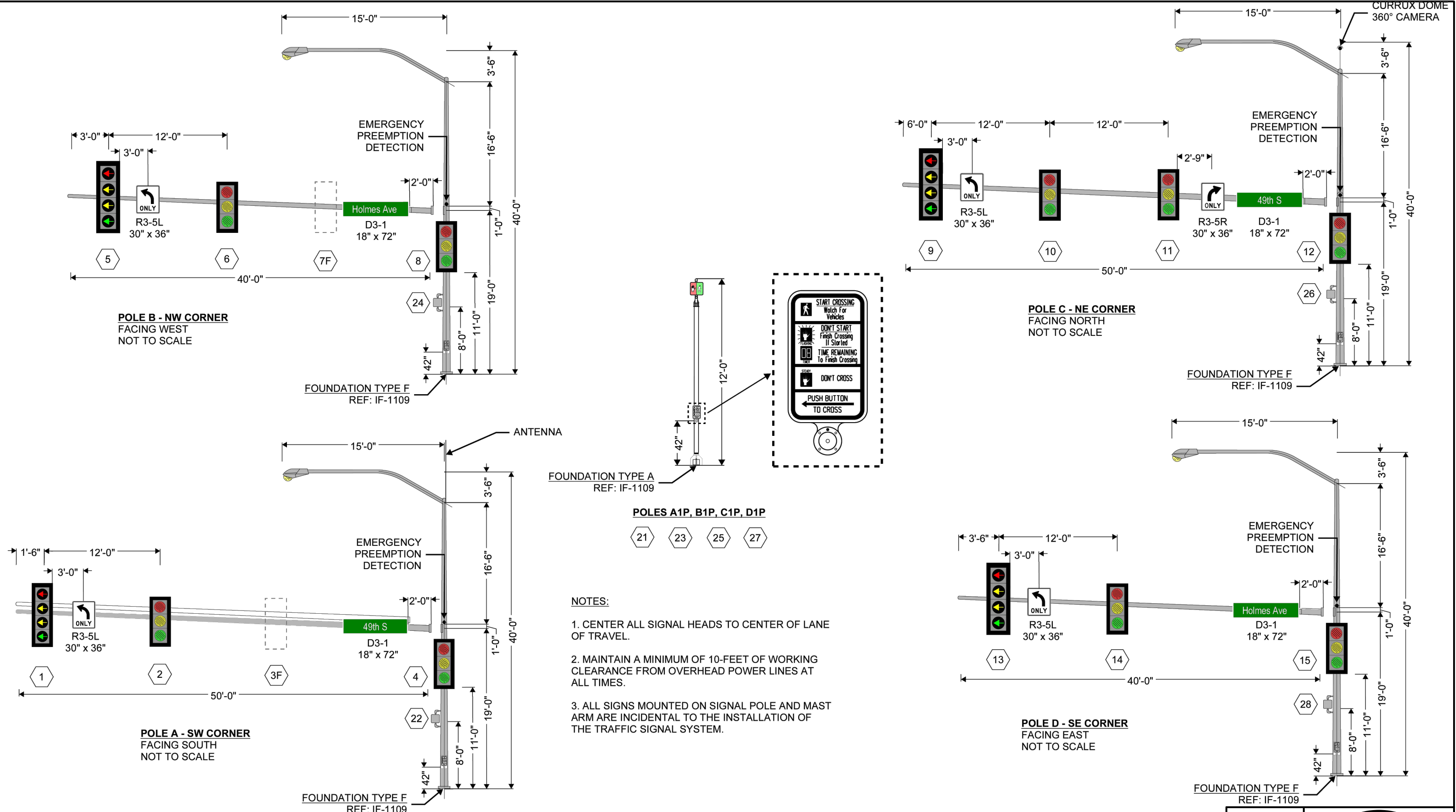
PROJECT NO. A023(889)

TRAFFIC SIGNAL PLAN STC-7316, 5TH E (HOLMES AVE) & 49TH S SIGNAL

English
COUNTY BONNEVILLE
KEY NUMBER 23889
SHEET 20 OF 40

DocuSigned by
ISMAEL MEDINA
 18254
 3/19/2026
 STATE OF IDAHO
 ISMAEL MEDINA

J:\222207 LHTAC007_23889_BONN_HOLMES & 48THPROJECT_DEVELOPMENT\PLAN_SHEETS\ROADWAY\23889 ITD-KA TITLEBLOCK.DWG LAST SAVED: 2/16/2026 4:05 PM PRINTED: ----



POLES A1P, B1P, C1P, D1P
 21 23 25 27

- NOTES:**
- CENTER ALL SIGNAL HEADS TO CENTER OF LANE OF TRAVEL.
 - MAINTAIN A MINIMUM OF 10-FEET OF WORKING CLEARANCE FROM OVERHEAD POWER LINES AT ALL TIMES.
 - ALL SIGNS MOUNTED ON SIGNAL POLE AND MAST ARM ARE INCIDENTAL TO THE INSTALLATION OF THE TRAFFIC SIGNAL SYSTEM.

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	N. Maller	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
DESIGN CHECKED	I. Medina	
DETAILED	N. Maller	
DRAWING CHECKED	N. Cleaver	
CADD FILE NAME		23889 SPED_001
DRAWING DATE:		10/23/2024

IDAHO TRANSPORTATION DEPARTMENT

KELLER ASSOCIATES

PROJECT NO.	A023(889)
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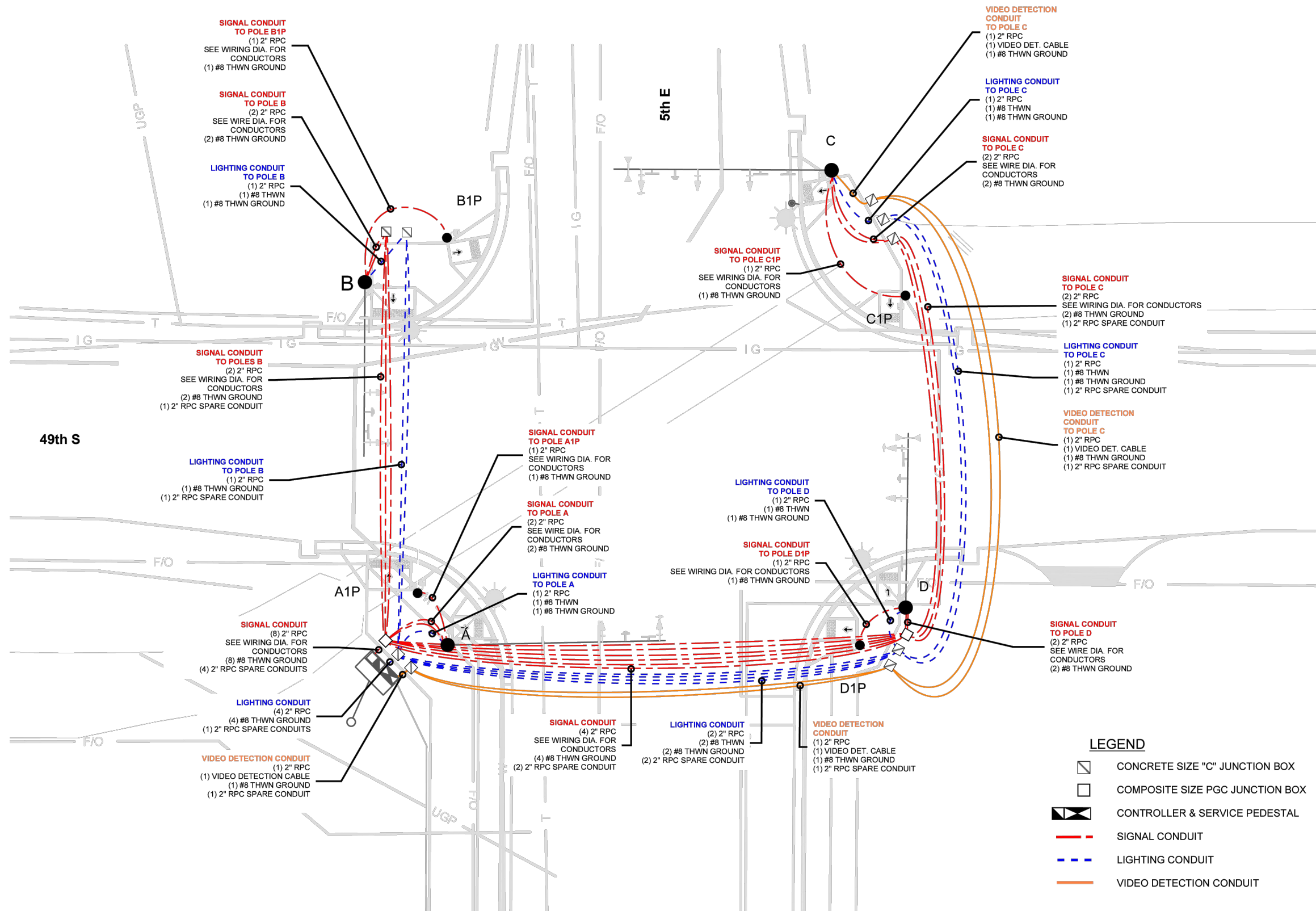
POLE ELEVATION DETAIL	STC-7316, 5TH E (HOLMES AVE) & 49TH S SIGNAL
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English	
COUNTY	BONNEVILLE
KEY NUMBER	23889
SHEET	21 OF 40

DocuSigned by
ISMAEL MEDINA
 P. 019B9B36B194A0...

NOTES

1. CONTROLLER CABINET MUST HAVE AT LEAST 3-FT OF WORKING SPACE AROUND IT. THE FOUNDATION MUST BE FIELD VERIFIED BY ITD REPRESENTATIVE PRIOR TO INSTALLATION.
2. ORIENT CONTROLLER CABINET AND SERVICE DOORS AWAY FROM INTERSECTION.
3. IDAHO FALLS POWER TO FURNISH AND INSTALL LUMINAIRE ON SOUTH LEG. CONTRACTOR TO FURNISH AND INSTALL CONDUIT EXTENSIONS TO THE LUMINAIRE. CONTRACTOR TO COORDINATE WITH IDAHO FALLS POWER TWO WEEKS PRIOR TO INSTALLATION. CONDUIT INSTALLATION INCIDENTAL TO SIGNAL INSTALLATION.



LEGEND

- CONCRETE SIZE "C" JUNCTION BOX
- COMPOSITE SIZE PGC JUNCTION BOX
- CONTROLLER & SERVICE PEDESTAL
- SIGNAL CONDUIT
- LIGHTING CONDUIT
- VIDEO DETECTION CONDUIT

J:\222207 LHTAC007_23889_BONN_HOLMES & 49THPROJECT_DEVELOPMENT\PLAN_SHEET\TRAFFIC\CAD\18 CONDUIT DIAGRAM.DWG LAST SAVED: 2/25/2026 9:28 AM PRINTED: 3/10/2026 3:32 PM

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	CLM	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY CADD FILE NAME 18 CONDUIT DIAGRAM DRAWING DATE: 2/25/26
DESIGN CHECKED	N. Maller	
DETAILED	CLM	
DRAWING CHECKED	E. Hulslander	

IDAHO TRANSPORTATION DEPARTMENT

KELLER ASSOCIATES

PROJECT NO.	A023(889)
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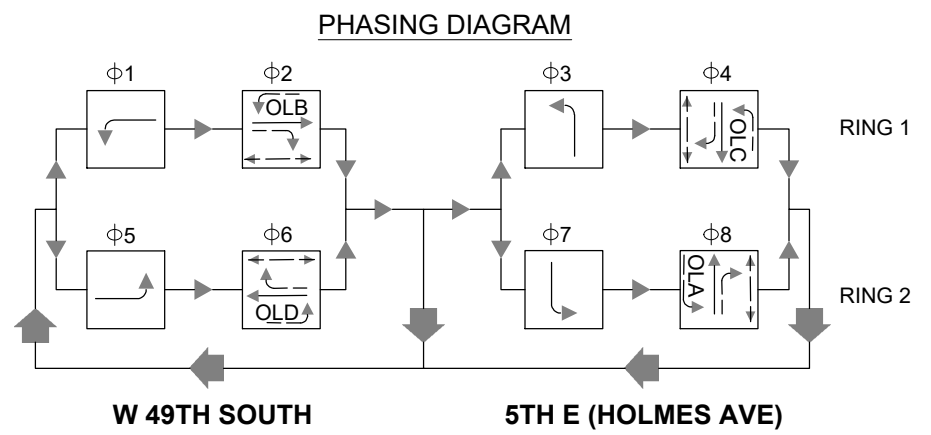
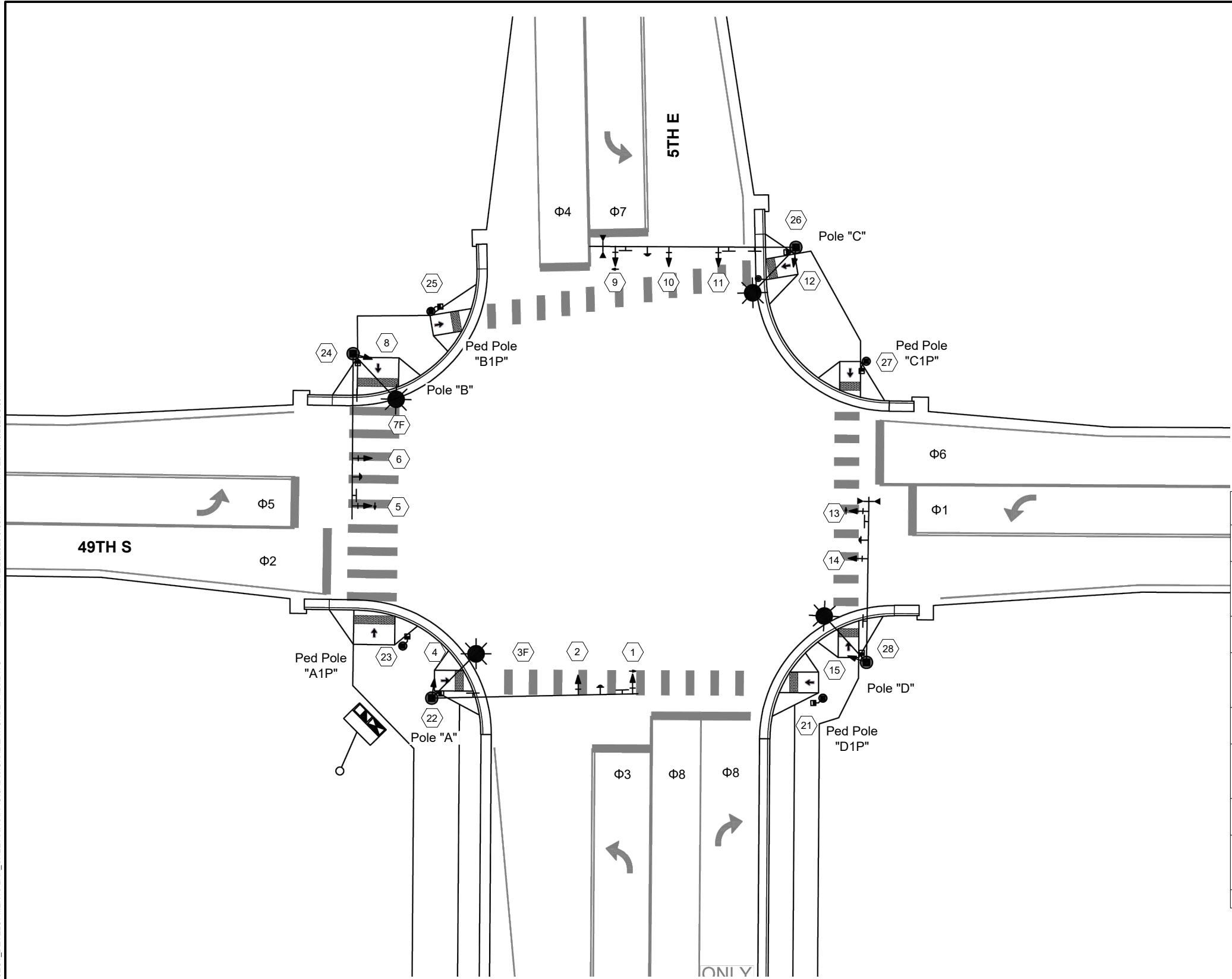
CONDUIT DIAGRAM	STC-7316, 5TH E (HOLMES AVE) & 49TH S SIGNAL
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English

COUNTY	BONNEVILLE
KEY NUMBER	23889
SHEET	22 OF 40

PROFESSIONAL ENGINEER
 ISMAEL MEDINA
 18254
 3/19/2026
 STATE OF IDAHO

J:\222207 LHTA0007_23889_BONN_HOLMES & 49THPROJECT_DEVELOPMENT\PLAN_SHEET\TRAFFIC\CAD\SIGNALIZATION\DETAILS.DWG
 LAST SAVED: 2/25/2026 9:30 AM
 PRINTED: 3/10/2026 3:33 PM



———> PROTECTED VEHICLE MOVEMENT
 - - - -> PERMISSIVE VEHICLE MOVEMENT
 <- - - -> PEDESTRIAN MOVEMENT

SIGNAL SEQUENCE CHART

PHASE	VEHICLE HEADS								PEDESTRIAN HEADS				CLEARANCE
	1	2-4	5	6-8	9	10-12	13	14-15	21-22	23-24	25-26	27-28	
Φ1	RA	R	GA	R	RA	R	RA	R	DW	DW	DW	DW	VEHICLE
	RA	R	YA	R	RA	R	RA	R	DW	DW	DW	DW	
Φ2 OLB	RA	R	FYA	R	RA	R	RA	G	W	DW	DW	DW	PEDESTRIAN
	RA	R	FYA	R	RA	R	RA	G	FDW	DW	DW	DW	
Φ3	RA	R	RA	R	GA	R	RA	R	DW	DW	DW	DW	VEHICLE
	RA	R	RA	R	YA	R	RA	R	DW	DW	DW	DW	
Φ4 OLC	RA	G	RA	R	FYA	R	RA	R	DW	W	DW	DW	PEDESTRIAN
	RA	Y	RA	R	YA	R	RA	R	DW	DW	DW	DW	
Φ5	RA	R	RA	R	RA	R	GA	R	DW	DW	DW	DW	VEHICLE
	RA	R	RA	R	RA	R	YA	R	DW	DW	DW	DW	
Φ6 OLD	RA	R	RA	G	RA	R	FYA	R	DW	DW	W	DW	PEDESTRIAN
	RA	R	RA	Y	RA	R	YA	R	DW	DW	DW	DW	
Φ7	GA	R	RA	R	RA	R	RA	R	DW	DW	DW	DW	VEHICLE
	YA	R	RA	R	RA	R	RA	R	DW	DW	DW	DW	
Φ8 OLA	FYA	R	RA	R	RA	G	RA	R	DW	DW	DW	W	PEDESTRIAN
	YA	R	RA	R	RA	Y	RA	R	DW	DW	DW	DW	
FLASH	RA	R	RA	R	RA	R	RA	R	DW	DW	DW	DW	

LEGEND

FYA: FLASHING YELLOW ARROW
GA: GREEN ARROW
RA: RED ARROW
R: RED BALL
YA: YELLOW ARROW
DW: DON'T WALK
FDW: FLASHING DON'T WALK
W: WALK

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	N. Maller	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY CADD FILE NAME: 23889 SIGD_001 DRAWING DATE: 10/22/2024
DESIGN CHECKED	I. Medina	
DETAILED	N. Maller	
DRAWING CHECKED	N. Cleaver	

IDAHO TRANSPORTATION DEPARTMENT

KELLER ASSOCIATES

PROJECT NO.	A023(889)
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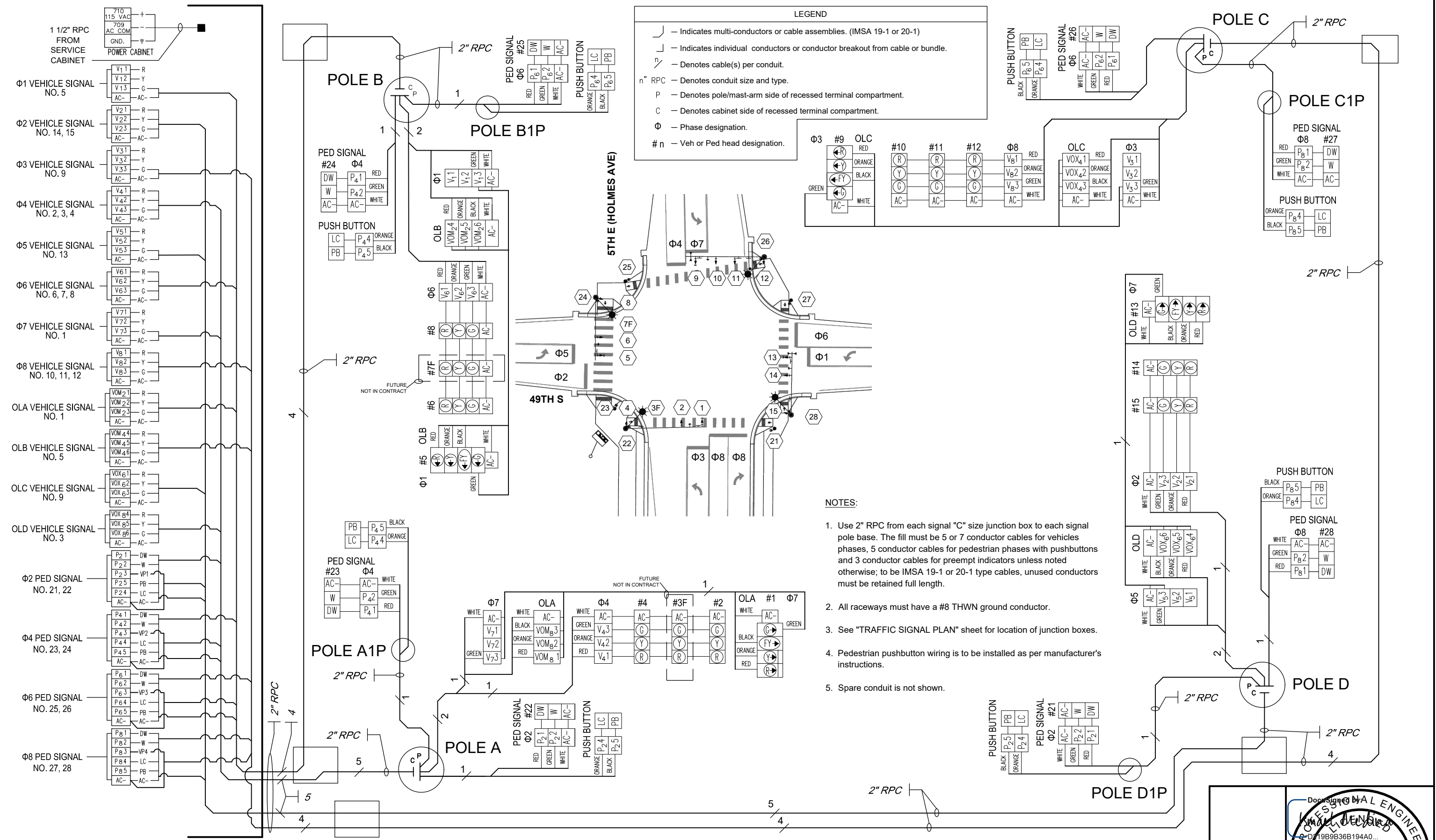
SIGNALIZATION DETAILS	STC-7316, 5TH E (HOLMES AVE) & 49TH S SIGNAL
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English

COUNTY	BONNEVILLE
KEY NUMBER	23889
SHEET	23 OF 40

PROFESSIONAL ENGINEER
 ISMAEL MEDINA
 18254
 3/19/2026
 STATE OF IDAHO

J:\222207 LHTAC007_23889 BONN HOLMES & 48TH\PROJECT_DEVELOPMENT\PLAN_SHEET\TRAFFIC\CAD\20 SIGNAL WIRING DIAGRAM.DWG
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 PRINTED: 3/10/2026 3:33 PM



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED I. Medina	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
DESIGN CHECKED E. Huslander	CADD FILE NAME 23889 SFWD_001
DETAILED N. Maller	DRAWING DATE: 3/4/26
DRAWING CHECKED N. Cleaver	

IDAHO TRANSPORTATION DEPARTMENT

KELLER ASSOCIATES

PROJECT NO. A023(889)

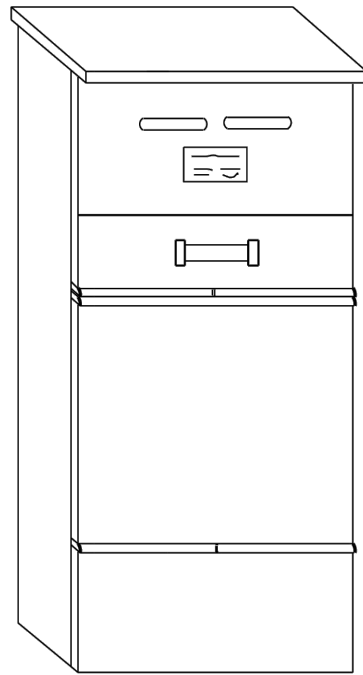
SIGNAL FIELD WIRING DIAGRAM STC-7316, 5TH E (HOLMES AVE) & 49TH S SIGNAL

English
COUNTY BONNEVILLE
KEY NUMBER 23889
SHEET 24 OF 40

DocuSigned by
ISMAEL MEDINA
 18254
 3/19/2026
 STATE OF IDAHO
 ISMAEL MEDINA

J:\222207 LHTAC007_23889_BONN_HOLMES & 48TH\PROJECT_DEVELOPMENT\PLAN_SHEETS\ROADWAY\23889 ITD-KA TITLEBLOCK.DWG LAST SAVED: 2/16/2026 4:05 PM PRINTED: -

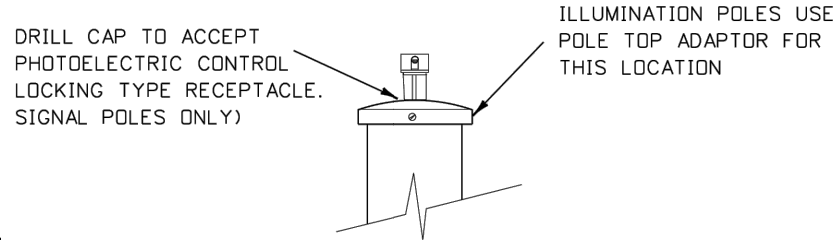
TYPICAL SERVICE PEDESTAL



PHOTOELECTRIC CELL TWIST LOCK RECEPTACLE REQUIRED MOUNTED IN UPPER RIGHT SIDE OF CUSTOMER SECTION.

ALTERNATE LOCATION

POLE TOP MOUNTING FOR PHOTOELECTRIC CELL



NOTE

IDENTIFICATION LABELS MUST BE REQUIRED FOR BRANCH BREAKERS. LIGHTING BRANCH BREAKER LABELS MUST READ: LIGHTING CIRCUIT NO. SEE PLANS." SIGNAL BRANCH BREAKER LABEL MUST READ: "SIGNAL AT (IDENTIFY TWO LEGS OF THE INTERSECTION)."

SERVICE CABINET SCHEDULE

ITEM	CLASS "B"
① MAIN BREAKER	(SEE SCHEDULE)
② CONTROL BREAKER	1P-15A 120/240 VOLT
③ TEST SWITCH	SPST-15A 120/240 VOLT
④ LIGHTING BRANCH BREAKER	2P-120/240 VOLT (SEE SCHEDULE)
⑤ SIGNAL CONTROL BREAKER	1P-120/240 VOLT (SEE SCHEDULE)
⑦ LIGHTING CONTACTOR	8P (ANY COMBINATION)
⑧ FLASHER CONTROL BREAKER	1P-120/240 VOLT (SEE SCHEDULE)

BREAKER RATING SCHEDULE

CLASS "B"	
ITEM	NO. OF LIGHTING CIRCUITS
MAIN BREAKER (METERED SIG. SECTION)	100 AMP 2P
MAIN BREAKER (METERED LTG. SECTION)	100 AMP 2P
LIGHTING BRANCH BREAKER	30 AMP 2P
SIGNAL CONTROL BREAKER	60 AMP 1P
LIGHTING CONTACTOR	30 AMP 4P
FLASHER CONTROL BREAKER	
SERVICE WIRE	NO. 3 THWN

NOTES:

- SERVICE CABINETS MUST BE NEMA TYPE 3R. TO BE FURNISHED WITH A PADLOCK HASP.
- DEAD FRONT CONSTRUCTION IS REQUIRED ON ALL CABINETS.
- PLUG-IN TYPE BREAKERS MUST BE USED ON "B" SERVICES. MAIN BREAKERS MUST BE BOLT RETAINED.
- PRESSURE TYPE TERMINALS MUST BE REQUIRED FOR #8 THROUGH #2 AWG. WIRE.
- ALL SERVICES MUST BE U.L. LABELED FOR MAXIMUM 100 AMP BUS RATING, AND "APPROVED FOR SERVICE ENTRANCE EQUIPMENT."
- THE MAIN BREAKER LABEL MUST BE MADE OF RED ON WHITE PLASTIC LAMINATE. THE BRANCH BREAKER LABELS MUST BE MADE OF BLACK ON WHITE PLASTIC LAMINATE. THE LEGENDS MUST BE ENGRAVED INTO THE STRIP SO AS TO PROVIDE RED OR BLACK LEGEND ON THE REQUIRED BACKGROUND. THE LABELS MUST BE PERMANENTLY ATTACHED TO THE DEAD FRONT, NEXT TO THE CORRESPONDING BREAKERS.
- LIGHTING CONTACTORS, LIGHTING & SIGNAL BRANCH CIRCUIT BREAKERS TO BE FACTORY INSTALLED.
- BRANCH CIRCUIT WIRE AND PHOTOELECTRIC CONTROL TO BE SUPPLIED BY THE CONTRACTOR.
- ALL BUSSING TO BE 100 AMP RATED.
- WIRING MUST BE THWN/MTW 600V 90° C RATED.

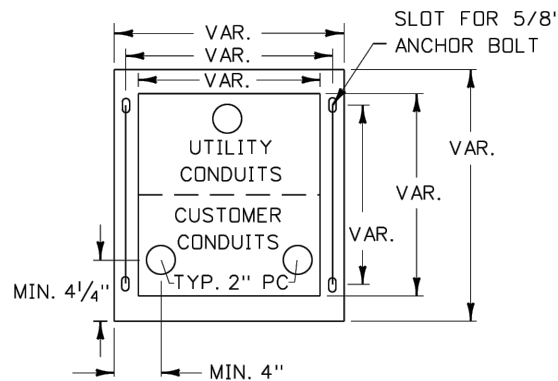
NOTE

WHEN SIGNAL & LIGHTING BRANCH BREAKERS ARE INSTALLED IN SAME PANEL BOARD, THE MAIN BREAKER SHALL BE PERMANENTLY LABELED AS FOLLOWS:

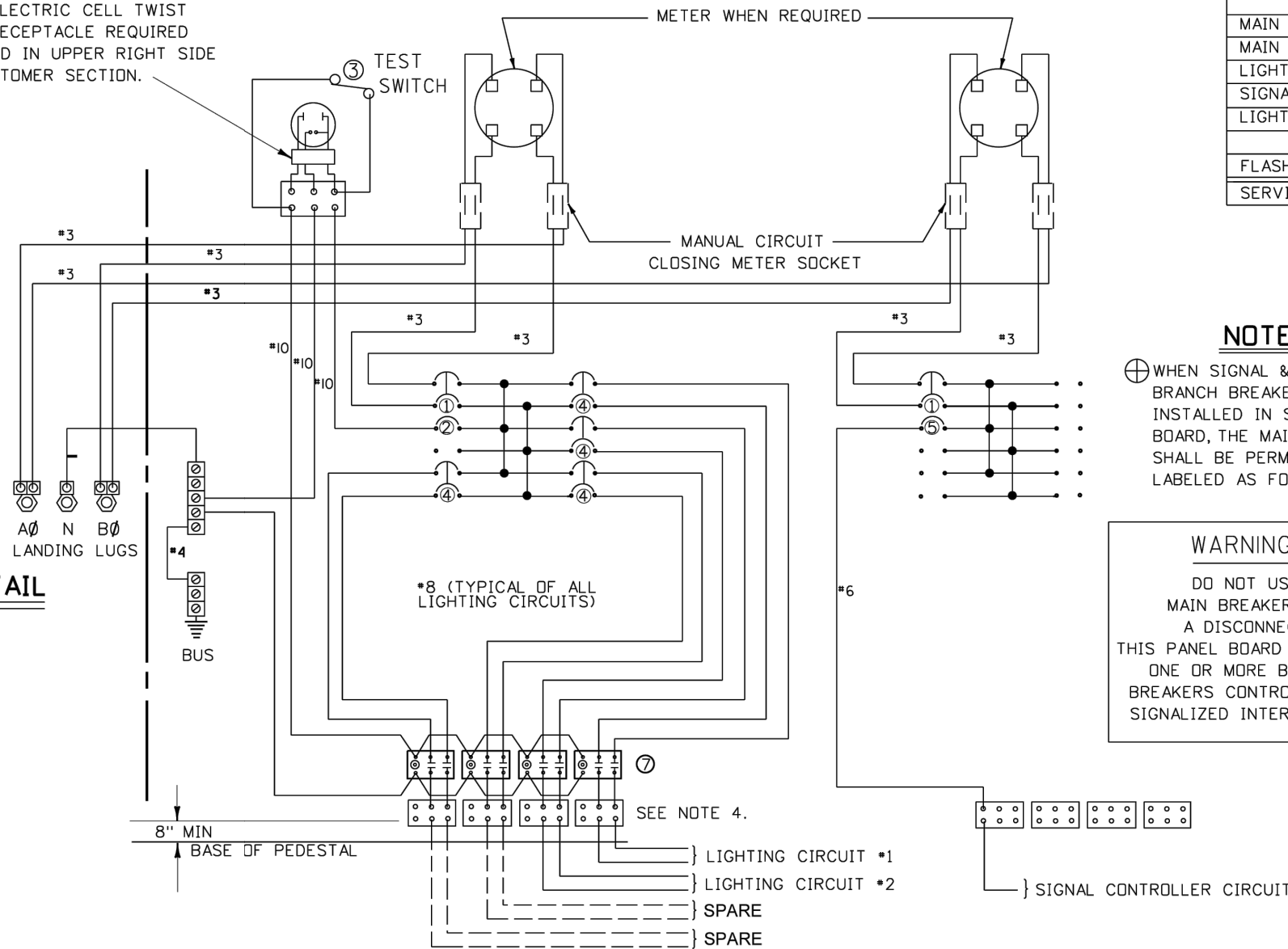
WARNING

DO NOT USE MAIN BREAKER AS A DISCONNECT THIS PANEL BOARD CONTAINS ONE OR MORE BRANCH BREAKERS CONTROLLING A SIGNALIZED INTERSECTION

PEDESTAL FLANGE MOUNTING DETAIL



TO BE FURNISHED WITH 4 EACH 5/8" x 6" x 2"-13NC ANCHOR BOLTS. NO SLEEVE REQUIRED



SHOW UNUSED LIGHTING CIRCUITS AS DASHED LINES AND LABEL AS "SPARE"

TYPE 3 SERVICE

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	N. Maller	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
DESIGN CHECKED	E. Hulslander	
DETAILED	N. Maller	
DRAWING CHECKED	I. Medina	
		CADD FILE NAME 23889 SGCF 001
		DRAWING DATE: 10/17/2024

IDAHO TRANSPORTATION DEPARTMENT

KELLER ASSOCIATES

PROJECT NO.	A023(889)
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SERVICE PEDESTAL DETAIL	STC-7316, 5TH E (HOLMES AVE) & 49TH S SIGNAL
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English
COUNTY BONNEVILLE
KEY NUMBER 23889
SHEET 25 OF 40

DESIGNED BY ISMAEL MEDINA

18254

3/19/2026

STATE OF IDAHO

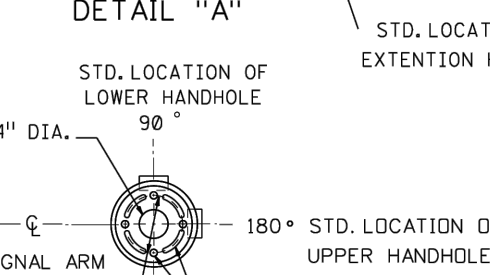
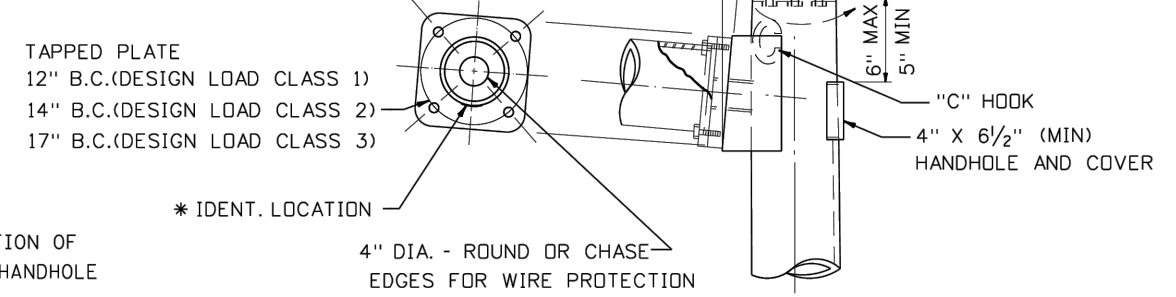
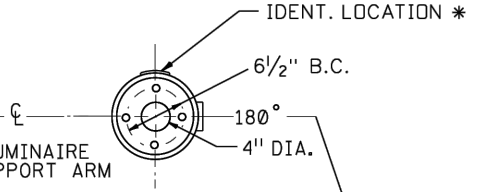
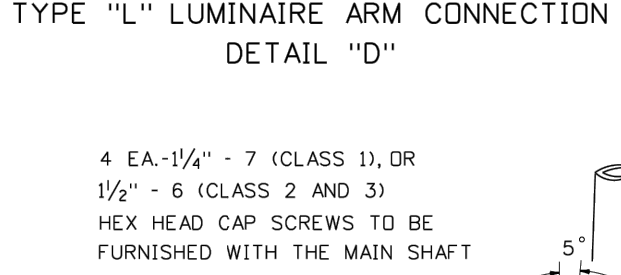
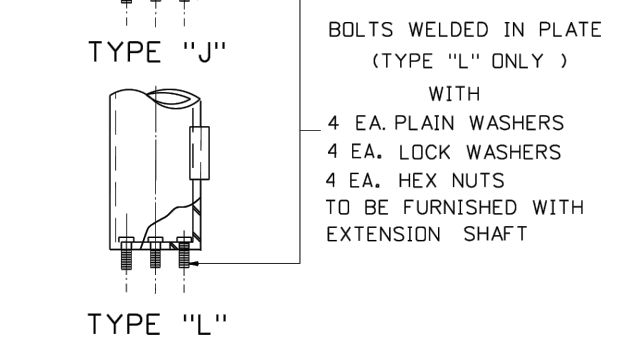
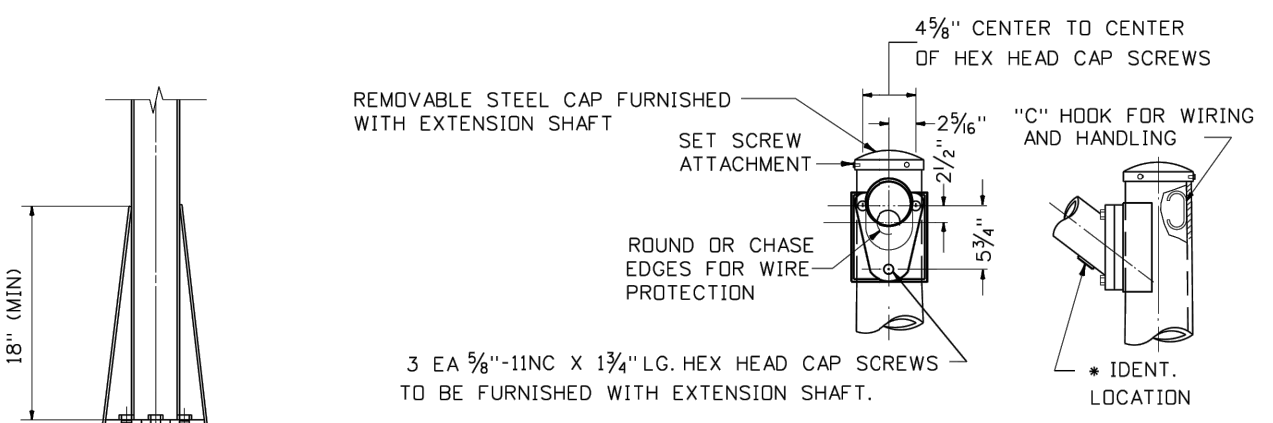
ISMAEL MEDINA

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GENERAL NOTES:

1. THESE STRUCTURES MUST CONFORM TO THE LATEST REVISION TO THE 1994 AASHTO SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS. WITH 80 M.P. WIND LOADING. MAXIMUM ALLOWABLE OVERSTRESS MUST BE 120% FOR GROUPS 2 AND 3.
2. CLASS 1 LOADS FOR A 20 FT. MAST ARM MUST BE BASED ON A 3 SECTION SIGNAL HEAD MOUNTED FARTHEST FROM THE POLE.
3. DESIGN LOADS MUST BE BASED ON 12" POLYCARBONATE SIGNAL HEADS WITH 5" BACKPLATES AND STRAP ON BRACKET MOUNTING.

NOTE: HEAD CONFIGURATION AND DIMENSIONS SHOWN FOR MAXIMUM LOADING, SEE PLANS FOR ACTUAL SIGN AND SIGNAL PLACEMENT.



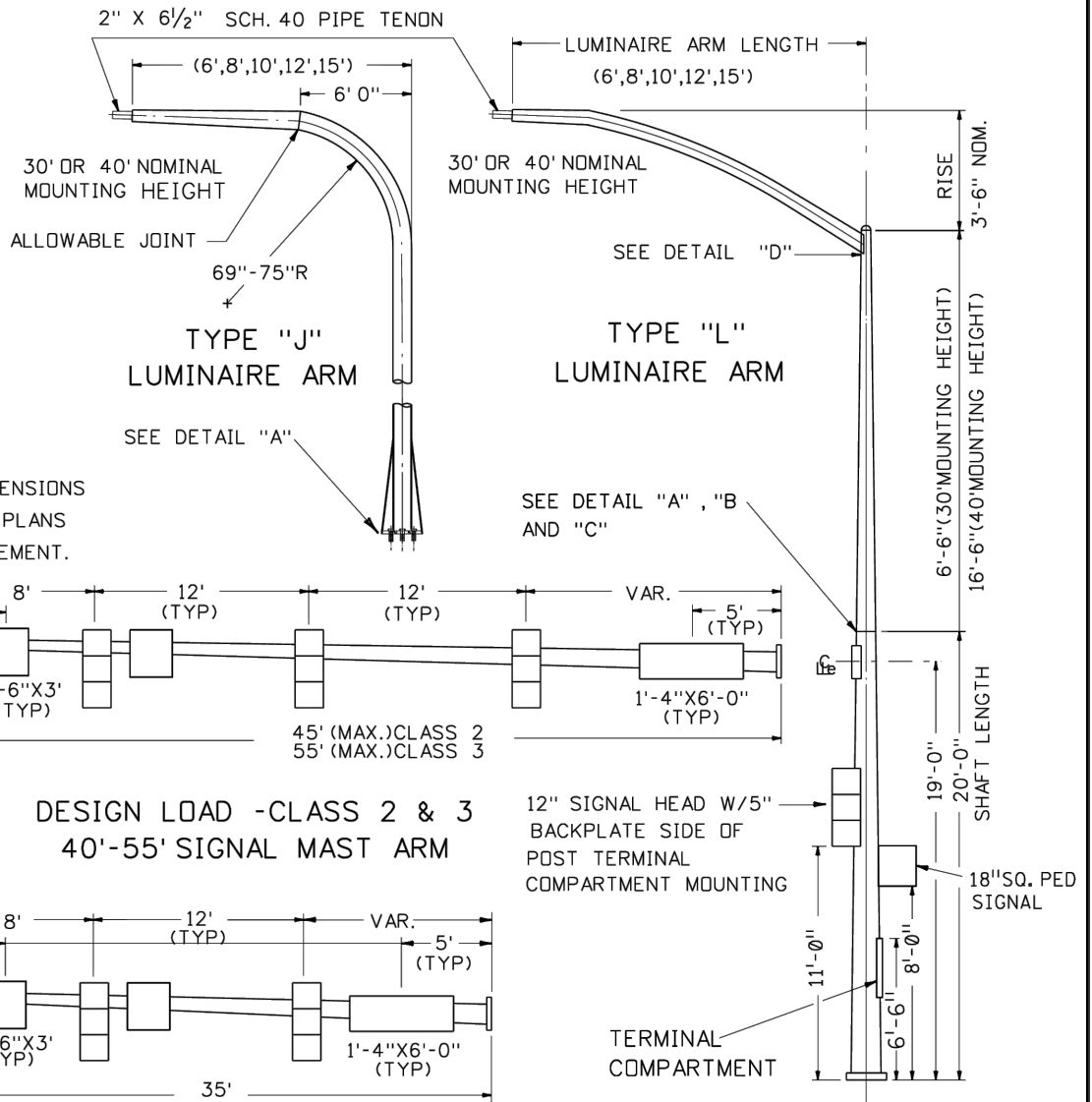
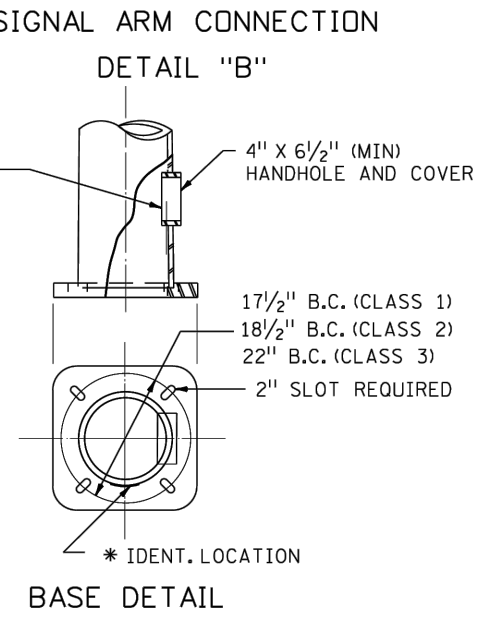
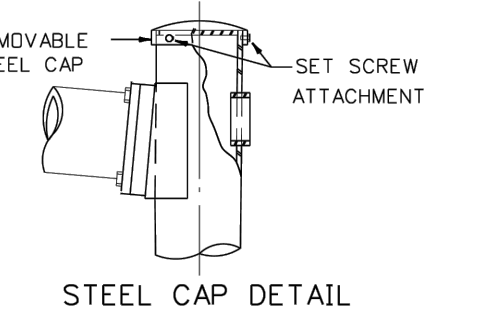
NOTE: CLEAN ALL THREADS AND SEAT ALL BOLTS BEFORE ASSEMBLY.

1/2" 13NC TAP OR NUT HOLDER FOR GROUNDING

NOTE: CLEAN ALL THREADS AND SEAT ALL BOLTS.

NOTE: ANCHOR BOLTS MUST PROJECT ABOVE THE BASE PLATE THE HEIGHT OF THE WASHER, TWO ANCHOR BOLT NUTS, AND THREE THREADS (ABOVE THE TOP OF ANCHOR BOLT NUTS).

4 EA. 1 3/4" X 84" X 6" ANCHOR BOLTS (CLASS 1, 2 & 3) WITH EIGHT GALV. WASHERS AND TWELVE HEX NUTS. TO BE FURNISHED WITH MAIN SHAFT.

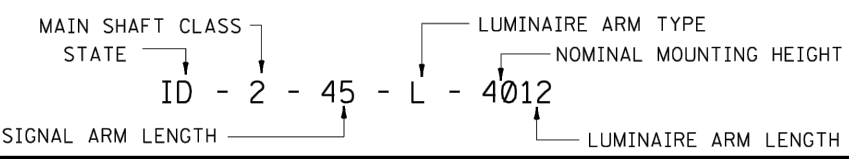


* NOTE: THE FOLLOWING IDENTIFICATION INFORMATION MUST BE PERMANENTLY SHOWN ON APPROPRIATE COMPONENTS:
 MANUFACTURER AND PRODUCTION DATE,
 MAIN SHAFT - (CLASS),
 SIGNAL ARM - (LENGTH),
 LUMINAIRE EXTENSION - (TYPE & M.H.)
 LUMINAIRE ARM - (LENGTH),

SIGNAL POLE	
MAIN SHAFT	SIGNAL ARM LENGTH
CLASS 1	20'
	25'
	35'
CLASS 2	40'
	45'
CLASS 3	50'
	55'

LUMINAIRE ARM		
ARM TYPE	MOUNTING HEIGHT	ARM LENGTH
J OR L	30'	6'
	40'	8'
		10'
		12'
		15'

POLE ASSEMBLY IDENTIFICATION PROCEDURE



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED N. Maller	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
DESIGN CHECKED E. Hulslander	CADD FILE NAME 23889 SGMA_001
DETAILED N. Maller	DRAWING DATE: 10/18/2024
DRAWING CHECKED I. Medina	

IDAHO TRANSPORTATION DEPARTMENT

 KELLER ASSOCIATES

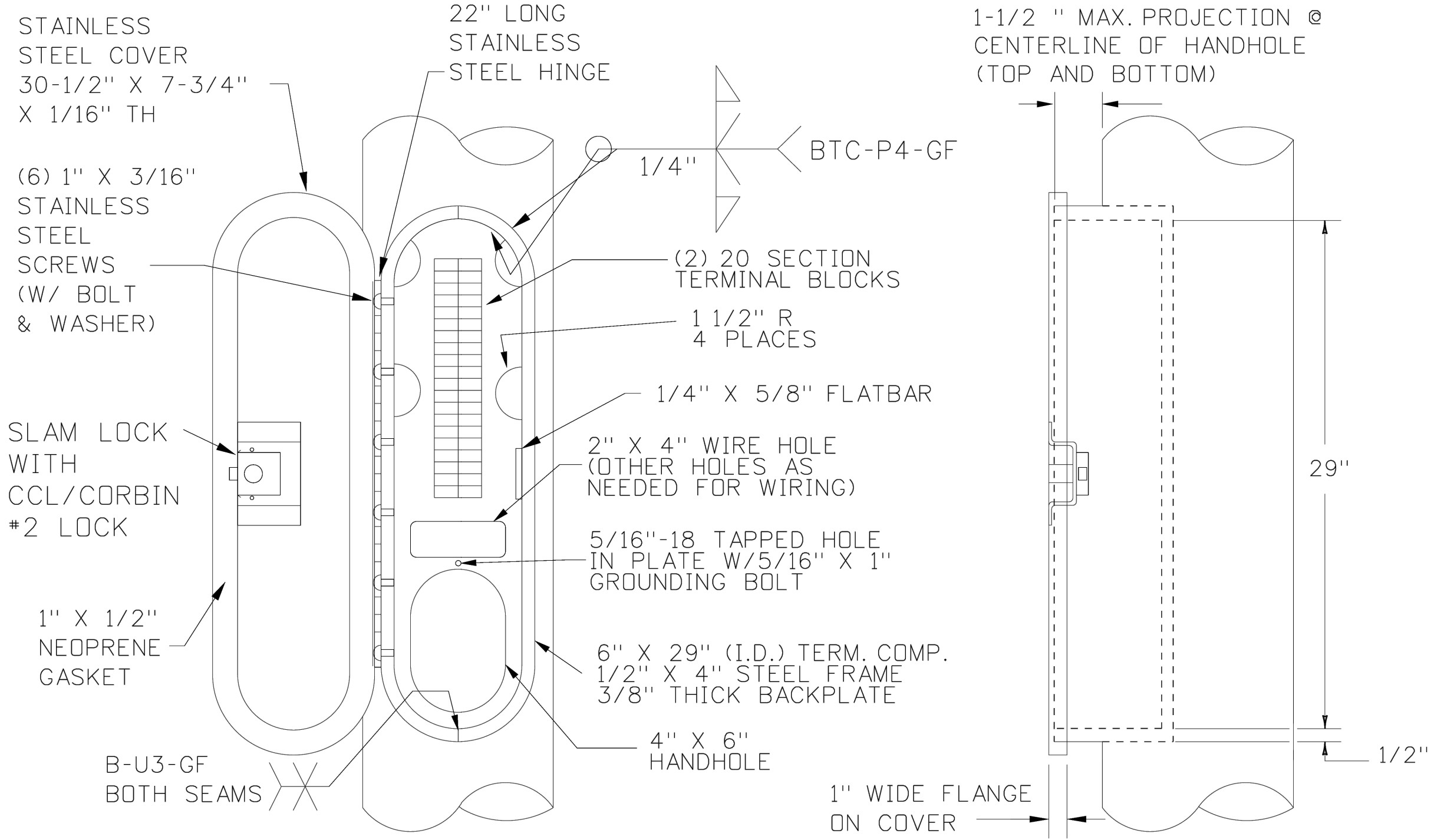
PROJECT NO. A023(889)

STANDARD MAST ARM POLES STC-7316, 5TH E (HOLMES AVE) & 49TH S SIGNAL

English
COUNTY BONNEVILLE
KEY NUMBER 23889
SHEET 26 OF 40

DocuSigned by
 ISMAEL MEDINA
 18254
 3/19/2026
 STATE OF IDAHO
 ISMAEL MEDINA

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RECESSED TERMINAL COMPARTMENT DETAIL

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	N. Maller	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY CADD FILE NAME 23889_SGMA_002 DRAWING DATE: 10/17/2024
DESIGN CHECKED	E. Hulstander	
DETAILED	N. Maller	
DRAWING CHECKED	I. Medina	

IDAHO
TRANSPORTATION
DEPARTMENT

KELLER ASSOCIATES

PROJECT NO.	A023(889)
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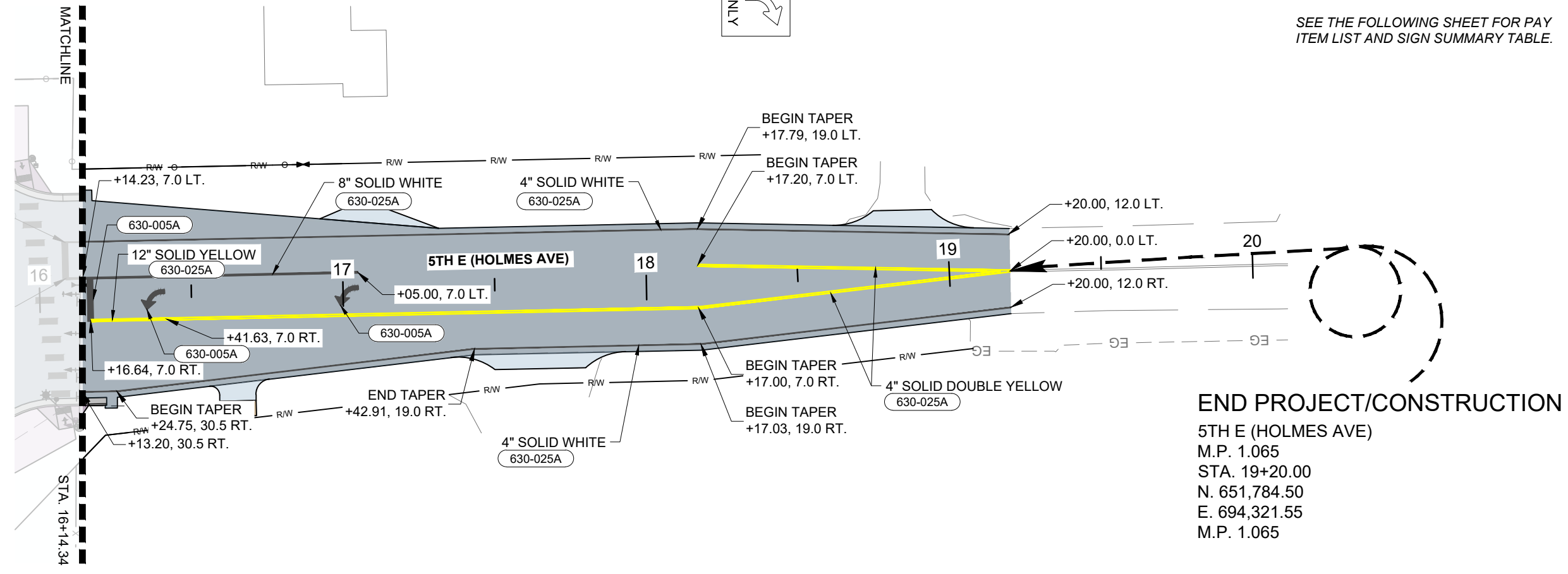
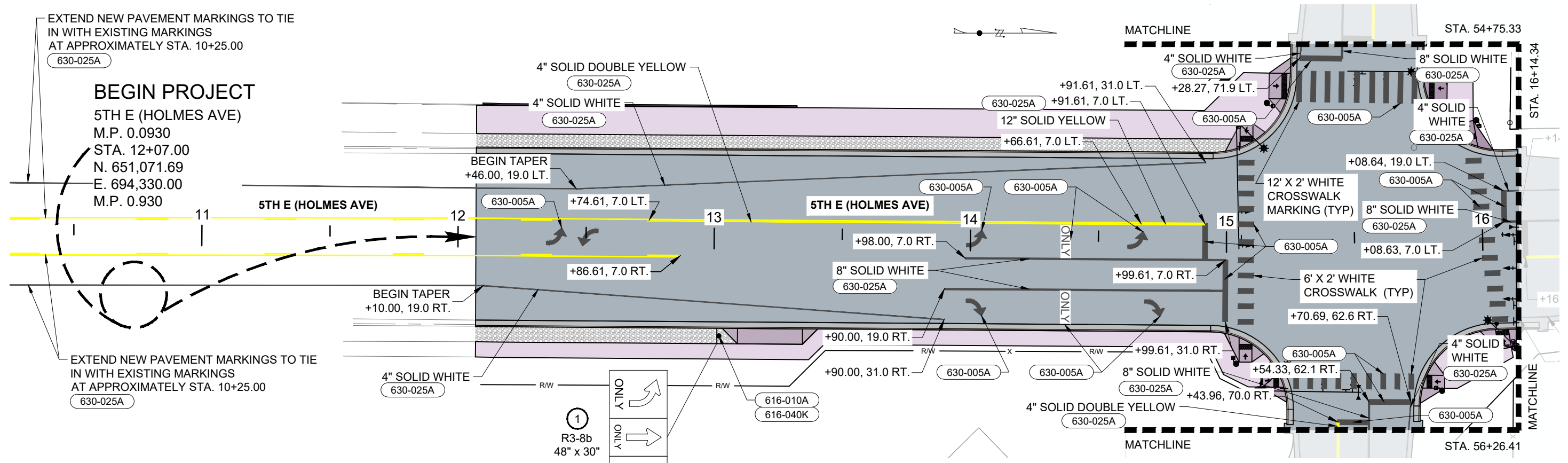
TERMINAL COMPARTMENT DETAIL	STC-7316, 5TH E (HOLMES AVE) & 49TH S SIGNAL
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English

COUNTY	BONNEVILLE
KEY NUMBER	23889
SHEET	27 OF 40

DocuSigned by
ISMAEL MEDINA
 PROFESSIONAL ENGINEER
 18254
 3/19/2026
 STATE OF IDAHO
 ISMAEL MEDINA

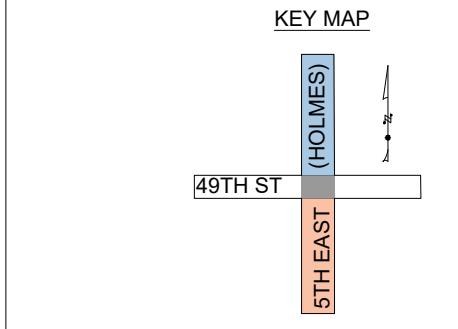
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 LAST SAVED: 2/25/2026 9:52 AM
 PRINTED: 3/10/2026 3:33 PM



SEE THE FOLLOWING SHEET FOR PAY ITEM LIST AND SIGN SUMMARY TABLE.

LEGEND

- PAVED ROADWAY
- CONCRETE SIDEWALK
- PEDESTRIAN CURB RAMP AND CONCRETE DRIVEWAY APPROACH
- CONCRETE CURB
- ASPHALT APPROACH
- GRAVEL APPROACH



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED P. TARRICONE	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY CADD FILE NAME: 23889_SIGN_001 DRAWING DATE: 2/25/26
DESIGN CHECKED E. HULSLANDER	
DETAILED P. TARRICONE	
DRAWING CHECKED N. CLEAVER	

IDAHO TRANSPORTATION DEPARTMENT

KELLER ASSOCIATES

PROJECT NO. A023(889)

PAVEMENT MARKINGS STC-7316, 5TH E (HOLMES AVE) & 49TH S SIGNAL

English

COUNTY BONNEVILLE
KEY NUMBER 23889
SHEET 28 OF 40

DocuSign
 NATHAN CLEAVER
 12490
 3/19/2026
 STATE OF IDAHO
 NATHAN CLEAVER

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616-010A SIGN TYPE B-1	28 SF	14+91.60, 7.0 LT. TO 14+91.60, 7.0 RT. (STOP BAR - 2' WIDE)	132 SF	15+97.10, 19.0 LT. TO 16+06.23, 31.0 RT. (CROSSWALK - 6' LONG, 2' WIDE, SEE NOTE ONE)		
10 SF	13+02.09, 38.0 RT. (ADVANCE INTERSECTION LANE CONTROL)	48 SF	14+99.61, 7.0 RT. TO 14+99.61, 31.0 RT. (STOP BAR - 2' WIDE)	24 SF	16+08.63, 7.0 LT. TO 16+08.64, 19.0 LT. (STOP BAR - 2' WIDE)	
616-040K STEEL SIGN POST TYPE E-2	10.5 FT	13+02.09, 38.0 RT.	132 SF	15+07.61, 31.0 LT. TO 15+07.61, 31.0 RT. (CROSSWALK - 6' LONG, 2' WIDE, SEE NOTE ONE)	28 SF	16+16.64, 7.0 LT. TO 16+16.64, 7.0 RT. (STOP BAR - 2' WIDE)
630-005A TRANSVERSE, WORD, SYMBOL, AND ARROW PAVEMENT MARKINGS - WATERBORNE	32 SF	12+44.00, 0.0 RT. (TWO-WAY LEFT TURN ARROW)	108 SF	15+27.45, 54.0 RT. TO 15+71.04, 54.6 RT. (CROSSWALK - 6' LONG, 2' WIDE, SEE NOTE ONE)	16 SF	16+35.24, 3.7 RT. (LEFT TURN ARROW)
16 SF	14+04.46, 3.9 LT. (LEFT TURN ARROW)	180 SF	15+28.11, 60.9 LT. TO 15+74.64, 59.8 LT. (CROSSWALK - 12' LONG, 2' WIDE, SEE NOTE ONE)	16 SF	16+99.12, 3.8 RT. (LEFT TURN ARROW)	
16 SF	14+04.50, 29.3 RT. (RIGHT TURN ARROW)	33 SF	15+28.27, 71.9 LT. TO 15+44.69, 71.7 LT. (STOP BAR - 2' WIDE)	630-025A LONGITUDINAL PAVEMENT MARKING - WATERBORNE		
12 SF	14+37.25, 0.0 RT. ("ONLY" TEXT)	21 SF	15+43.96, 70.0 RT. TO 15+54.12, 70.1 RT. (STOP BAR - 2' WIDE)	2910 FT	SEE PLAN FOR STATIONING (4" WHITE PAINT)	
12 SF	14+37.00, 25.7 RT. ("ONLY" TEXT)	33 SF	15+54.33, 62.1 RT. TO 15+70.69, 62.6 RT. (STOP BAR - 2' WIDE)	1240 FT	SEE PLAN FOR STATIONING (8" WHITE PAINT)	
16 SF	14+67.50, 3.8 LT. (LEFT TURN ARROW)	21 SF	15+43.96, 70.0 RT. TO 15+54.12, 70.1 RT. (STOP BAR - 2' WIDE)	4440 FT	SEE PLAN FOR STATIONING (4" YELLOW PAINT)	
16 SF	14+74.00, 29.1 RT. (RIGHT TURN ARROW)	33 SF	15+54.33, 62.1 RT. TO 15+70.69, 62.6 RT. (STOP BAR - 2' WIDE)	100 FT	SEE PLAN FOR STATIONING (12" YELLOW PAINT)	

NOTES:

1. ALL TRANSVERSE PAVEMENT MARKINGS ARE WHITE PAINT
2. QUANTITY OF 630-025A INCLUDES A DOUBLE APPLICATION OF PAINT TO MEET SPECIFICATION IN SECTION 630

SIGN ASSEMBLY NO.	STATION LT. OR RT.	RAMP NO.	FOUNDATION SIZE	POST TYPE	NO. OF POSTS	POST SPACING	APPROX. LENGTH OF 1st POST	APPROX. LENGTH OF 2nd POST	C	E	SIGN TYPE	SIGN DETAIL NUMBERS	SIGN SIZE W" x H"	APPROX. SQ. FT. OF SIGN	SIGN BACKGROUND COLOR	SIGN BRACKETS & BRACE ANGLES WEIGHT (LBS)	BRACKET NO.	REMARKS
1	13+02.1 RT.		8 X 36	E-2	1		10' - 6"		3' - 0"	7' - 0"	B	R3-8b	48 X 30	10.00	WHITE			

SIGNING NOTES:

1. CONSTRUCT SIGNS IN ACCORDANCE TO THE LATEST FHWA PUBLICATION OF STANDARD HIGHWAY SIGNS (SHS) AND SUPPLEMENT WITH THE IDAHO SUPPLEMENT TO THE STANDARD HIGHWAY SIGNS AND MARKING BOOK OR AS SPECIFIED.
2. COLUMN C - DISTANCE FROM EDGE OF SHOULDER TO CENTER LINE OF FIRST POST.
3. COLUMN E - HEIGHT ABOVE THE EDGE OF FINISHED SHOULDER TO THE BOTTOM OF LOWEST SIGN.
4. POST LENGTHS SHOWN ARE APPROXIMATE. DETERMINE FINAL VALUES IN THE FIELD PRIOR TO FABRICATION.

REVISIONS			
NO.	DATE	BY	DESCRIPTION

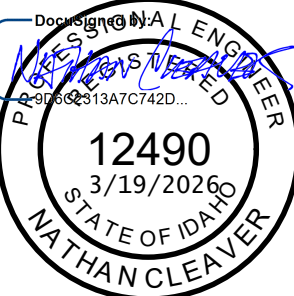
DESIGNED P. TARRICONE	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
DESIGN CHECKED E. HULSLANDER	CADD FILE NAME 23889 SIGN 003
DETAILED P. TARRICONE	DRAWING DATE: 2/25/26
DRAWING CHECKED N. CLEAVER	


IDAHO TRANSPORTATION DEPARTMENT

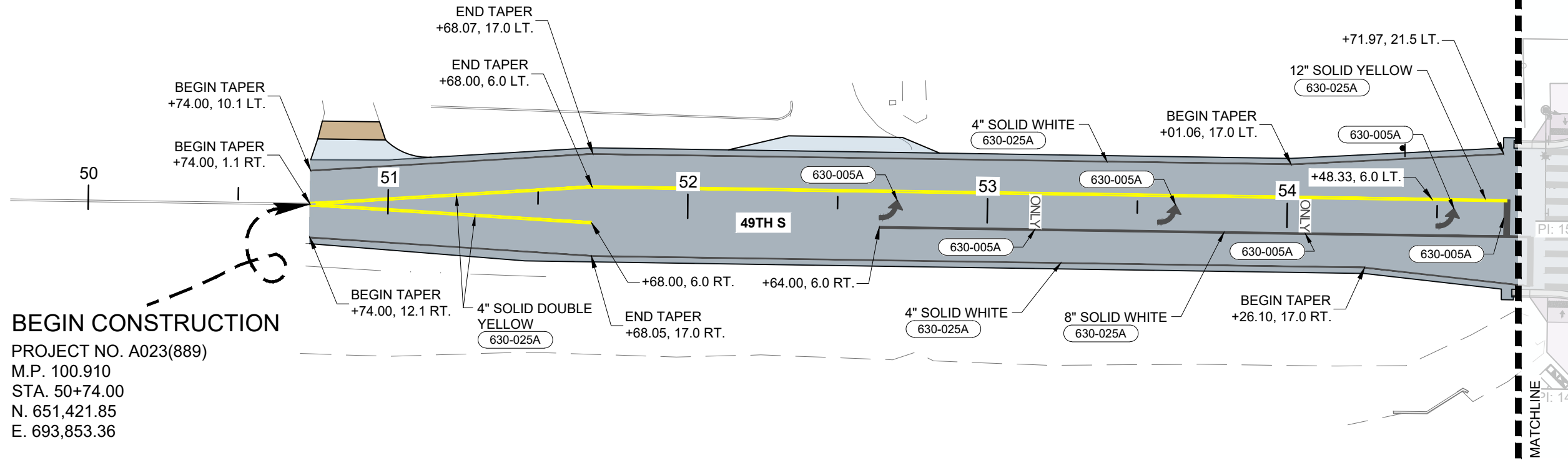

PROJECT NO. A023(889)

PAVEMENT MARKINGS STC-7316, 5TH E (HOLMES AVE) & 49TH S SIGNAL
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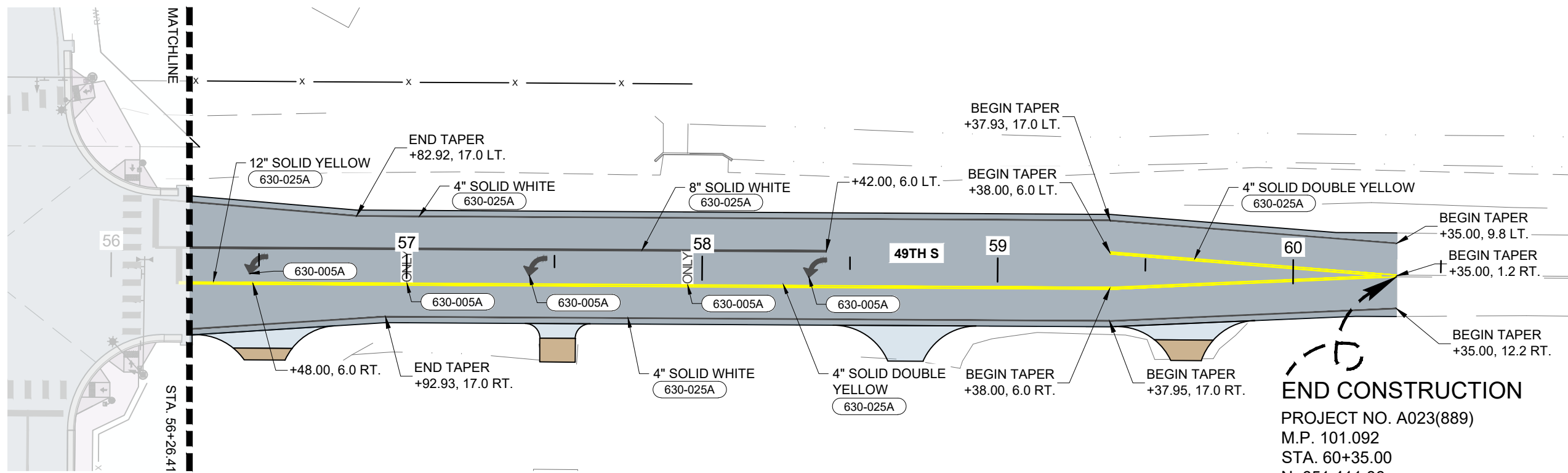
English
COUNTY BONNEVILLE
KEY NUMBER 23889
SHEET 29 OF 40


 NATHAN CLEAVER
 STATE OF IDAHO
 12490
 3/19/2026

J:\222207 LHTAC007_23889_BONN HOLMES & 48THPROJECT_DEVELOPMENT\PLAN_SHEETS\ROADWAY\23889_SIGN_002.DWG LAST SAVED: 2/25/2026 9:52 AM PRINTED: 3/10/2026 3:34 PM



BEGIN CONSTRUCTION
 PROJECT NO. A023(889)
 M.P. 100.910
 STA. 50+74.00
 N. 651,421.85
 E. 693,853.36

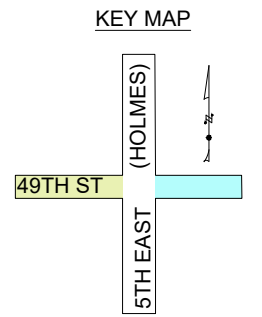


END CONSTRUCTION
 PROJECT NO. A023(889)
 M.P. 101.092
 STA. 60+35.00
 N. 651,411.86
 E. 694,814.31

SEE THE FOLLOWING SHEET FOR PAY ITEM LIST

LEGEND

	PAVED ROADWAY
	ASPHALT APPROACH
	GRAVEL APPROACH



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED P. TARRICONE	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY CADD FILE NAME: 23889_SIGN_002 DRAWING DATE: 2/25/26
DESIGN CHECKED E. HULSLANDER	
DETAILED P. TARRICONE	
DRAWING CHECKED N. CLEAVER	

IDAHO TRANSPORTATION DEPARTMENT

PROJECT NO. A023(889)

PAVEMENT MARKINGS STC-7316, 5TH E (HOLMES AVE) & 49TH S SIGNAL

English

COUNTY BONNEVILLE
KEY NUMBER 23889
SHEET 30 OF 40

630-005A TRANSVERSE, WORD, SYMBOL, AND ARROW PAVEMENT MARKINGS - WATERBORNE

- 16 SF 52+70.00, 3.0 LT. (LEFT TURN ARROW)
- 12 SF 53+16.00, 0.0 RT. ("ONLY" TEXT)
- 16 SF 53+62.75, 3.0 LT. (LEFT TURN ARROW)
- 12 SF 54+06.00, 0.0 RT. ("ONLY" TEXT)
- 16 SF 54+55.50, 3.0 LT. (LEFT TURN ARROW)
- 16 SF 56+47.00, 3.0 RT. (LEFT TURN ARROW)
- 12 SF 57+00.00, 0.0 RT. ("ONLY" TEXT)
- 16 SF 57+41.50, 3.0 RT. (LEFT TURN ARROW)
- 12 SF 57+95.00, 0.0 RT. ("ONLY" TEXT)
- 16 SF 58+36.00, 3.0 RT. (LEFT TURN ARROW)
- 24 SF 54+73.33, 5.7 RT. TO 54+73.33, 6.3 RT (STOP BAR - 2' WIDE)

630-025A LONGITUDINAL PAVEMENT MARKING - WATERBORNE

- 3280 FT SEE PLAN FOR STATIONING (4" WHITE PAINT)
- 890 FT SEE PLAN FOR STATIONING (8" WHITE PAINT)
- 3800 FT SEE PLAN FOR STATIONING (4" YELLOW PAINT)
- 100 FT SEE PLAN FOR STATIONING (12" YELLOW PAINT)

NOTES:

- 1. ALL TRANSVERSE PAVEMENT MARKINGS ARE WHITE PAINT
- 2. QUANTITY OF 630-025A INCLUDES A DOUBLE APPLICATION OF PAINT TO MEET SPECIFICATION IN SECTION 630

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REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED P. TARRICONE	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY CADD FILE NAME 23889_SIGN_004 DRAWING DATE: 2/25/26
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DETAILED P. TARRICONE	
DRAWING CHECKED N. CLEAVER	

IDAHO TRANSPORTATION DEPARTMENT

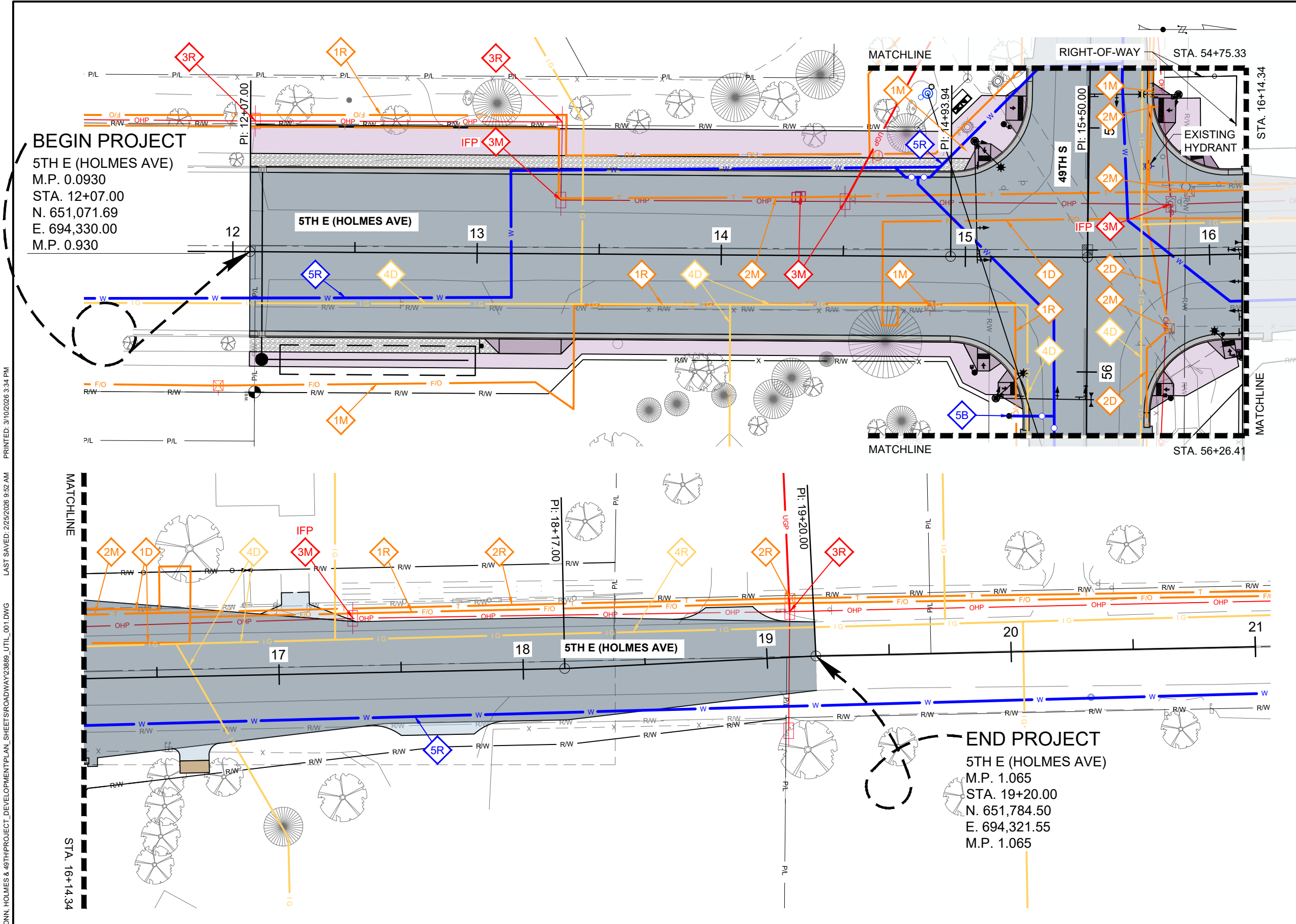
KELLER ASSOCIATES

PROJECT NO.
A023(889)

PAVEMENT MARKINGS
STC-7316, 5TH E (HOLMES AVE) & 49TH S SIGNAL

English
COUNTY BONNEVILLE
KEY NUMBER 23889
SHEET 31 OF 40

DocuSign
 12490
 3/19/2026
 STATE OF IDAHO
 NATHAN CLEAVER
 PROFESSIONAL ENGINEER
 23889 SIGN 004



- SHEET KEYNOTES:**
- 1 CENTURY LINK
 - 2 CABLE ONE
 - 3 ROCKY MOUNTAIN POWER (RMP)/ IDAHO FALLS POWER (IFP)
 - 4 INTERMOUNTAIN GAS
 - 5 CITY OF IDAHO FALLS
- B** NEW HYDRANT LOCATION TO BE MOVED AT CITY EXPENSE, COORDINATE WITH CITY
- D** RELOCATE/LOWER IF SHALLOWER THAN 3' IN DEPTH AT COMPANY EXPENSE
- M** REMOVE AND RELOCATE AT COMPANY EXPENSE
- P** REMOVE AND RELOCATE AT PROJECT EXPENSE
- R** RETAIN AND PROTECT EXISTING UTILITY
- UTILITY LEGEND:**
- OHP — EXISTING OVERHEAD POWER
 - T — EXISTING TELECOM
 - F/O — EXISTING FIBER OPTIC
 - G — EXISTING NATURAL GAS
 - W — EXISTING WATER
- ROADWAY LEGEND:**
- PAVED ROADWAY
 - CONCRETE SIDEWALK
 - CONCRETE PEDESTRIAN RAMP
 - CONCRETE CURB
 - ASPHALT APPROACH
- KEY MAP**
-

BEGIN PROJECT
 5TH E (HOLMES AVE)
 M.P. 0.0930
 STA. 12+07.00
 N. 651,071.69
 E. 694,330.00
 M.P. 0.930

END PROJECT
 5TH E (HOLMES AVE)
 M.P. 1.065
 STA. 19+20.00
 N. 651,784.50
 E. 694,321.55
 M.P. 1.065

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DESIGN CHECKED E. HULSLANDER	CADD FILE NAME 23889_UTIL_001
DETAILED P. TARRICONE	DRAWING DATE: 2/25/26
DRAWING CHECKED N. CLEAVER	

IDAHO
 TRANSPORTATION
 DEPARTMENT

KELLER ASSOCIATES

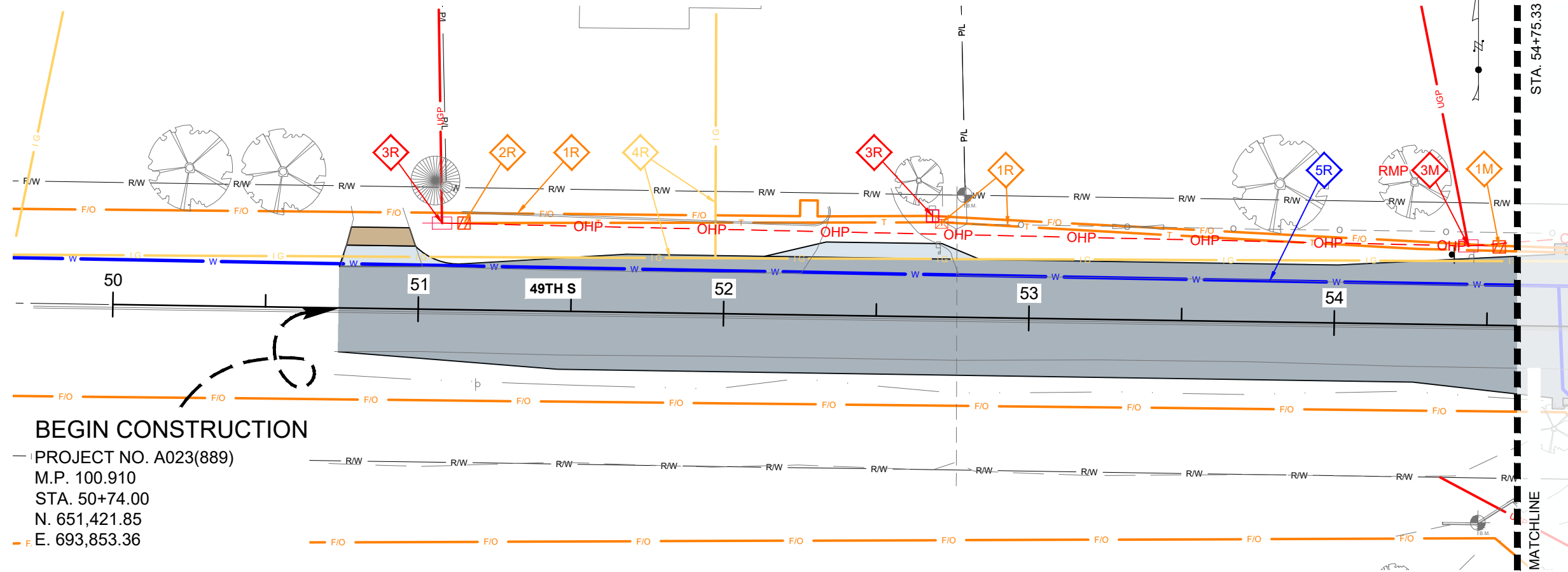
PROJECT NO. A023(889)

UTILITY PLAN STC-7316, 5TH E (HOLMES AVE) & 49TH S SIGNAL
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English

COUNTY BONNEVILLE
KEY NUMBER 23889
SHEET 32 OF 40

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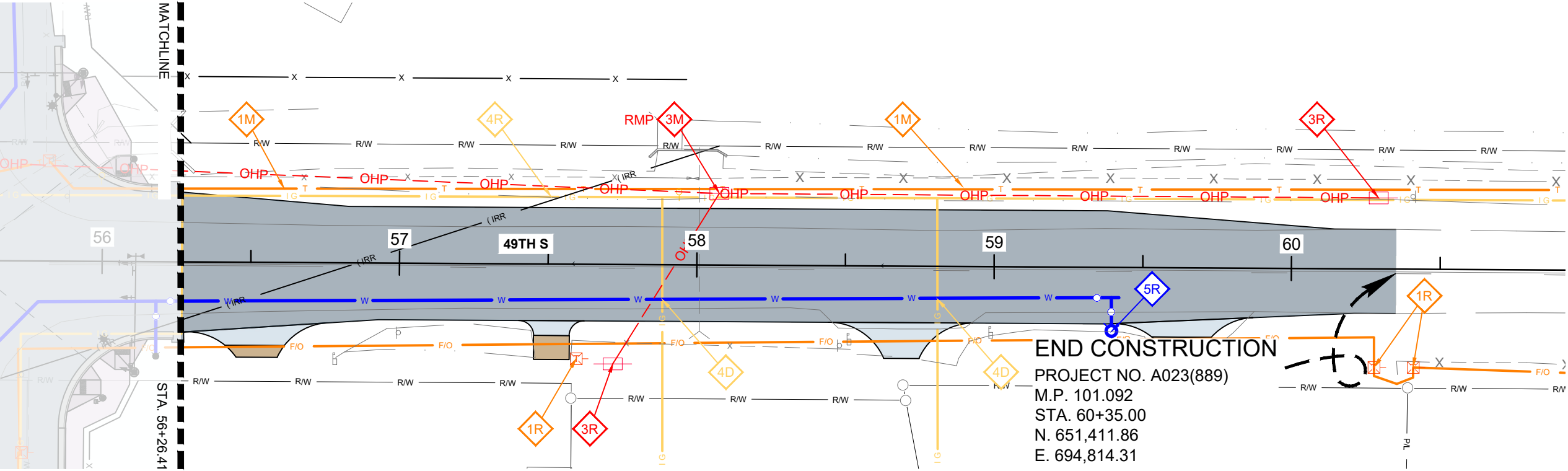
- SHEET KEYNOTES:**
- 1 CENTURY LINK
 - 2 CABLE ONE
 - 3 ROCKY MOUNTAIN POWER (RMP)/ IDAHO FALLS POWER (IFP)
 - 4 INTERMOUNTAIN GAS
 - 5 CITY OF IDAHO FALLS
- D** RELOCATE/LOWER IF SHALLOWER THAN 3' IN DEPTH AT COMPANY EXPENSE
- M** REMOVE AND RELOCATE AT COMPANY EXPENSE
- P** REMOVE AND RELOCATE AT PROJECT EXPENSE
- R** RETAIN AND PROTECT EXISTING UTILITY

- UTILITY LEGEND:**
- OHP EXISTING OVERHEAD POWER
 - T EXISTING TELECOM
 - F/O EXISTING FIBER OPTIC
 - G EXISTING NATURAL GAS
 - W EXISTING WATER

- ROADWAY LEGEND:**
- PAVED ROADWAY
 - CONCRETE SIDEWALK
 - CONCRETE PEDESTRIAN RAMP
 - CONCRETE CURB
 - ASPHALT APPROACH
- KEY MAP**
-

BEGIN CONSTRUCTION

PROJECT NO. A023(889)
 M.P. 100.910
 STA. 50+74.00
 N. 651,421.85
 E. 693,853.36



END CONSTRUCTION

PROJECT NO. A023(889)
 M.P. 101.092
 STA. 60+35.00
 N. 651,411.86
 E. 694,814.31

REVISIONS			
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DETAILED P. TARRICONE	
DRAWING CHECKED N. CLEAVER	

IDAHO TRANSPORTATION DEPARTMENT

KELLER ASSOCIATES

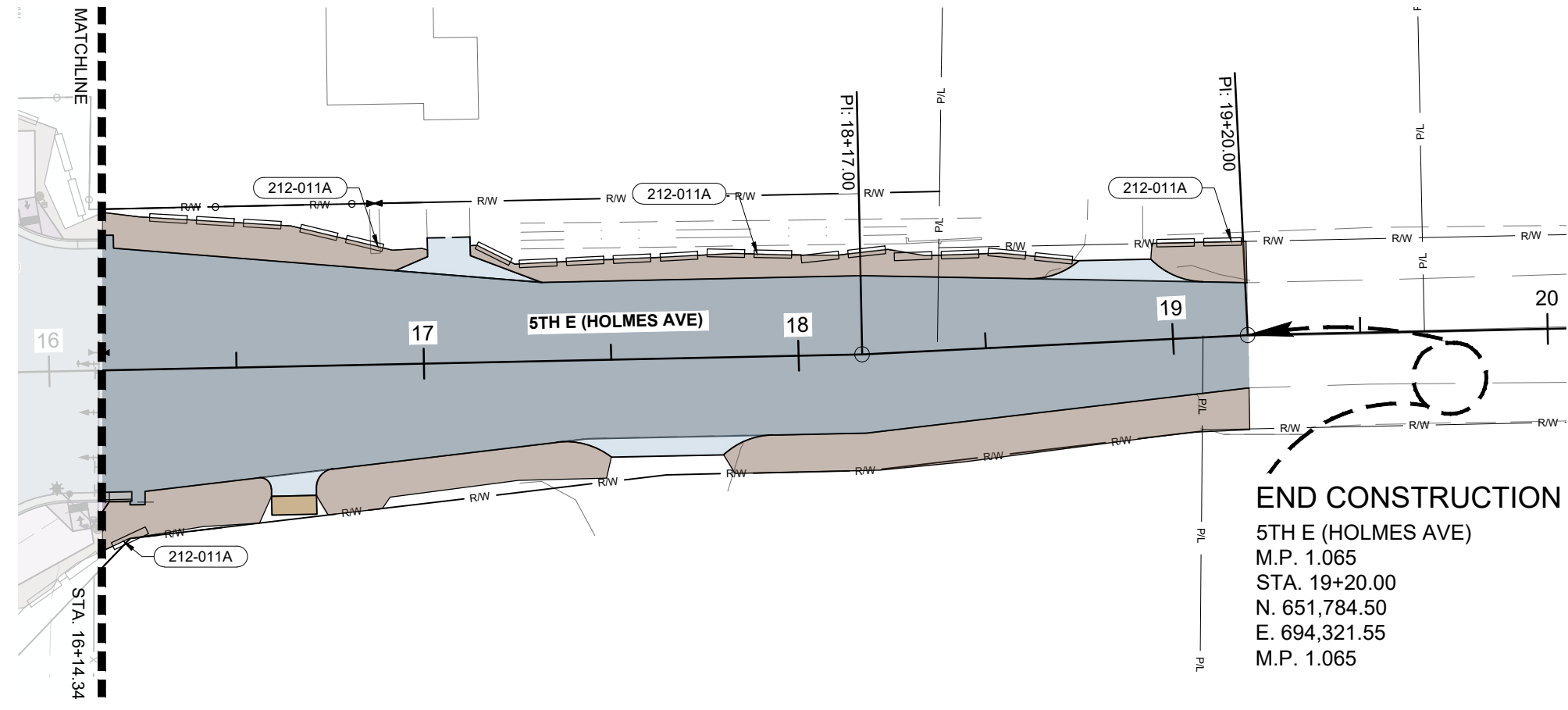
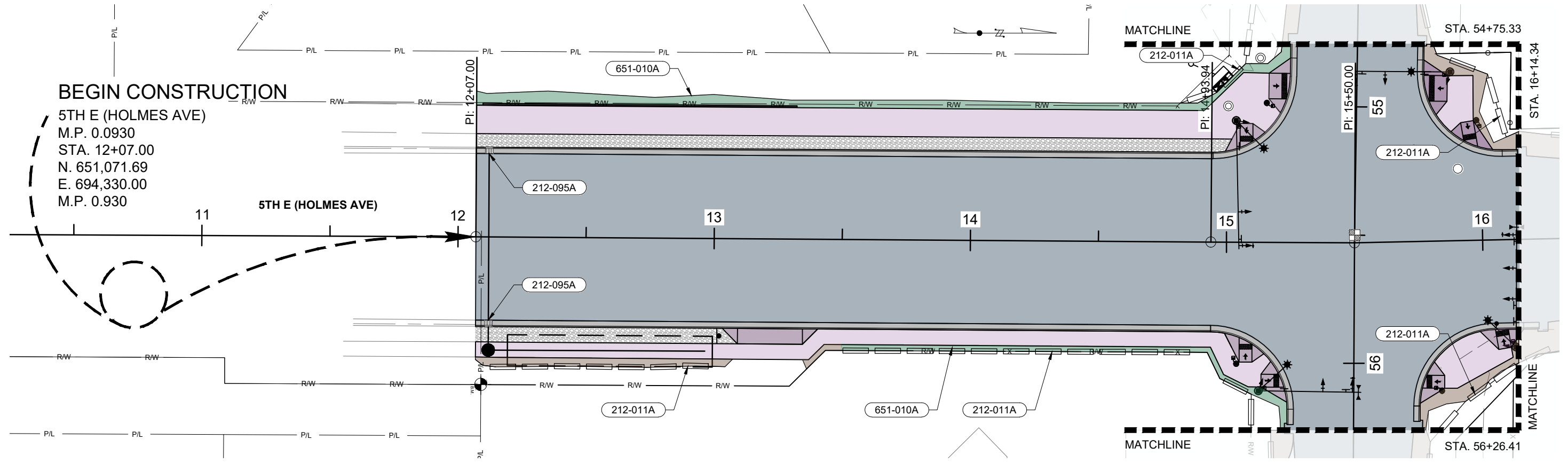
PROJECT NO. A023(889)

UTILITY PLAN STC-7316, 5TH E (HOLMES AVE) & 49TH S SIGNAL
--

English

COUNTY BONNEVILLE
KEY NUMBER 23889
SHEET 33 OF 40

REGISTERED PROFESSIONAL ENGINEER
 12490
 3/19/2026
 STATE OF IDAHO
 NATHAN CLEAVER



END CONSTRUCTION
 5TH E (HOLMES AVE)
 M.P. 1.065
 STA. 19+20.00
 N. 651,784.50
 E. 694,321.55
 M.P. 1.065

LEGEND		212-011A		212-095A		651-010A	
	SOD REPAIR	100	FT	1	EACH	1070	SF
	GRAVEL SLOPE REPAIR	200	FT	1	EACH	430	SF
	PAVED ROADWAY	50	FT				
	CONCRETE SIDEWALK	60	FT				
	PEDESTRIAN CURB RAMPS AND CONCRETE DRIVEWAY APPROACHES	50	FT				
	CONCRETE CURB	90	FT				
	CLEAN AND WASHED OPEN-GRADED BASE	20	FT				
	GRAVEL APPROACH	170	FT				
	FIBER WATTLE	25	FT				
KEY MAP							
		FIBER WATTLE		INLET PROTECTION		LAWN CONSTRUCTION (SODDED)	
		12+07.00, 47.8 RT. TO 13+04.59, 50.0 RT.		12+11.93, 35.0 LT.		12+07.00 TO 15+24.74, LT.	
		13+36.40, 50.6 RT. TO 15+21.42, 73.2 RT.		12+12.15, 35.0 RT.		13+34.85 TO 15+23.82, RT.	
		14+81.57, 54.1 LT. TO 15+21.34, 77.3 LT.					
		15+82.21, 76.7 LT. TO 16+14.34, 42.0 LT.					
		15+76.37, 73.7 RT. TO 16+14.34, 48.1 RT.					
		16+14.34, 42.0 LT. TO 17+01.60, 30.0 LT.					
		16+14.34, 48.2 RT. TO 16+28.58, 43.9 RT.					
		17+13.00, 31.2 LT. TO 18+75.97, 22.0 LT.					
		18+95.70, 25.0 LT. TO 19+20.00, 25.0 LT.					

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REVISIONS			
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DETAILED P. TARRICONE	DRAWING DATE: 2/25/26
DRAWING CHECKED N. CLEAVER	

IDAHO TRANSPORTATION DEPARTMENT

KELLER ASSOCIATES

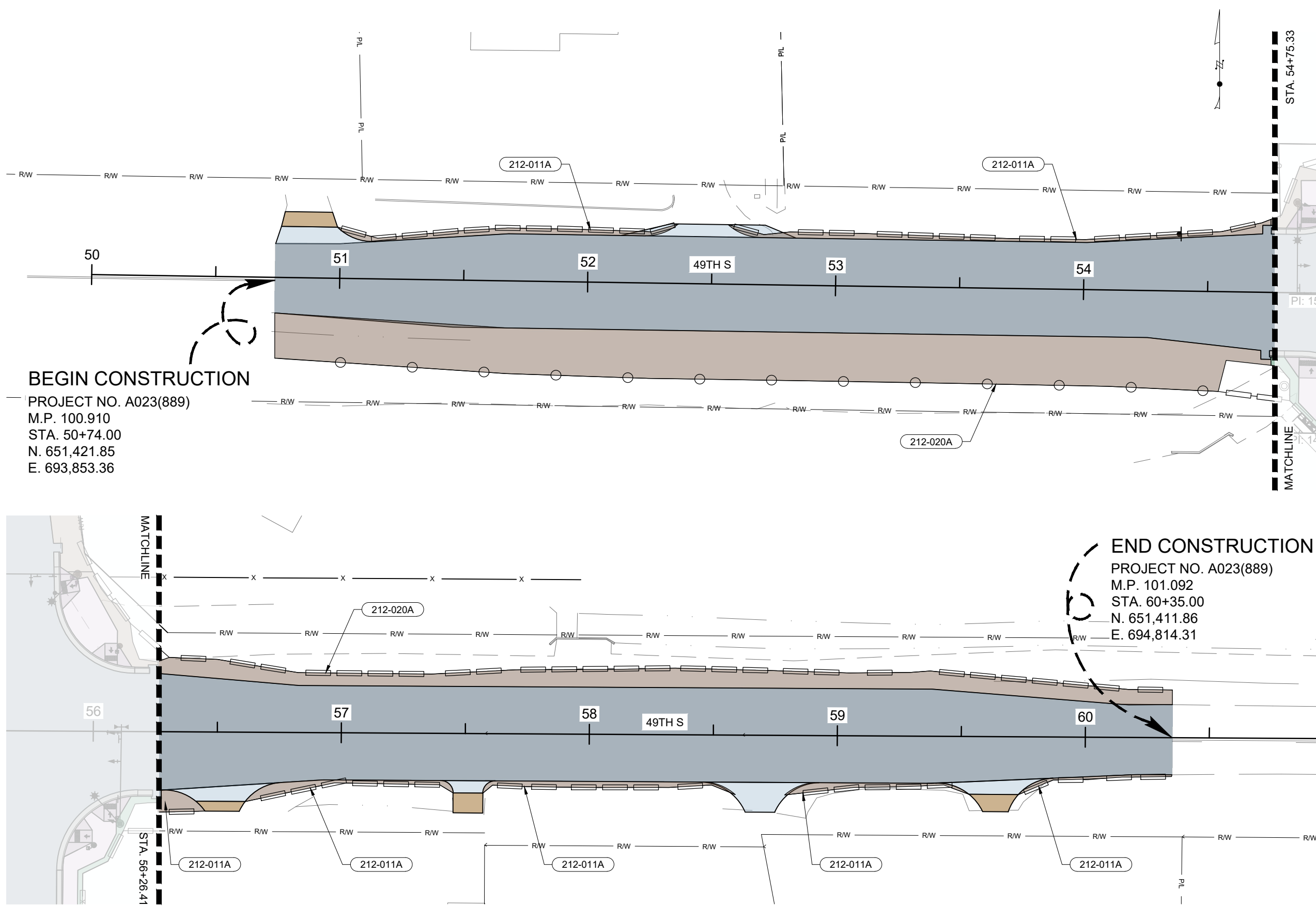
PROJECT NO. A023(889)

POLLUTION PREVENTION PLAN STC-7316, 5TH E (HOLMES AVE) & 49TH S SIGNAL

English
COUNTY BONNEVILLE
KEY NUMBER 23889
SHEET 34 OF 40

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BEGIN CONSTRUCTION

PROJECT NO. A023(889)
 M.P. 100.910
 STA. 50+74.00
 N. 651,421.85
 E. 693,853.36

END CONSTRUCTION

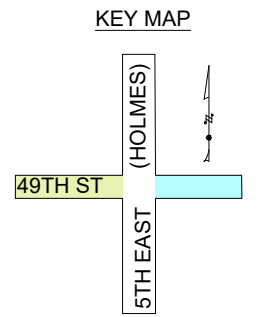
PROJECT NO. A023(889)
 M.P. 101.092
 STA. 60+35.00
 N. 651,411.86
 E. 694,814.31

212-011A	FIBER WATTLE
140 FT	50+98.84, 20.6 LT. TO 52+36.31, 24.0 LT.
220 FT	52+56.31, 24.0 LT. TO 54+75.33, 29.4 LT.
20 FT	56+26.41, 28.5 RT. TO 56+41.45, 27.9 RT.
90 FT	56+61.45, 27.9 RT. TO 57+45.23, 24.0 RT.
105 FT	57+57.23, 24.0 RT. TO 58+59.00, 24.0 RT.
80 FT	58+79.00, 24.0 RT. TO 59+53.20, 23.3 RT.
70 FT	59+73.20, 23.3 RT. TO 60+35.00, 15.6 RT.

212-020A	SILT FENCE
410 FT	50+74.00, 32.6 RT. TO 54+75.33, 43.2 RT.
410 FT	56+26.41, 33.8 LT. TO 60+35.00, 19.3 LT.

LEGEND

- GRAVEL SLOPE REPAIR
- PAVED ROADWAY
- CONCRETE CURB
- GRAVEL APPROACH
- FIBER WATTLE
- SILT FENCE



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED P. TARRICONE	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY CADD FILE NAME: 23889_PPPL_001 DRAWING DATE: 2/25/26
DESIGN CHECKED E. HULSLANDER	
DETAILED P. TARRICONE	
DRAWING CHECKED N. CLEAVER	

IDAHO TRANSPORTATION DEPARTMENT

KELLER ASSOCIATES

PROJECT NO. A023(889)

POLLUTION PREVENTION PLAN STC-7316, 5TH E (HOLMES AVE) & 49TH S SIGNAL

English

COUNTY BONNEVILLE
KEY NUMBER 23889
SHEET 35 OF 40

REGISTERED PROFESSIONAL ENGINEER
 NATHAN CLEAVER
 12490
 3/19/2026
 STATE OF IDAHO

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SIGN SUMMARY						
CLASS "B" SIGNING						
TYPE	LEGEND	WIDTH (IN.)	HEIGHT (IN.)	SQ. FT.	QUANT. REQ'D.	TOTAL SQ. FT.
W20-2	ROAD CLOSED AHEAD	48	48	16	11	176
W20-3	DETOUR AHEAD	48	48	16	11	176
R11-2	ROAD CLOSED	48	30	10	4	40
R11-4	ROAD CLOSED TO THRU TRAFFIC	60	30	12.5	4	50
M4-9L	DETOUR LEFT	30	24	5	4	20
M4-9R	DETOUR RIGHT	30	24	5	3	15
M4-8a	END DETOUR	24	18	3	3	9
D3-1(0)	W 49TH S	24	12	2	9	18
D3-1(0)	S HOLMES AVE	24	12	2	10	20
M4-8	DETOUR	24	12	2.00	8	16
M6-3(o)	DETOUR	21	12	1.75	8	14
M4-10R	DETOUR	48	18	6.00	4	24
SUBTOTAL SQ. FT.						578
					20% CONTINGENCY	116
TOTAL SQ. FT.						694

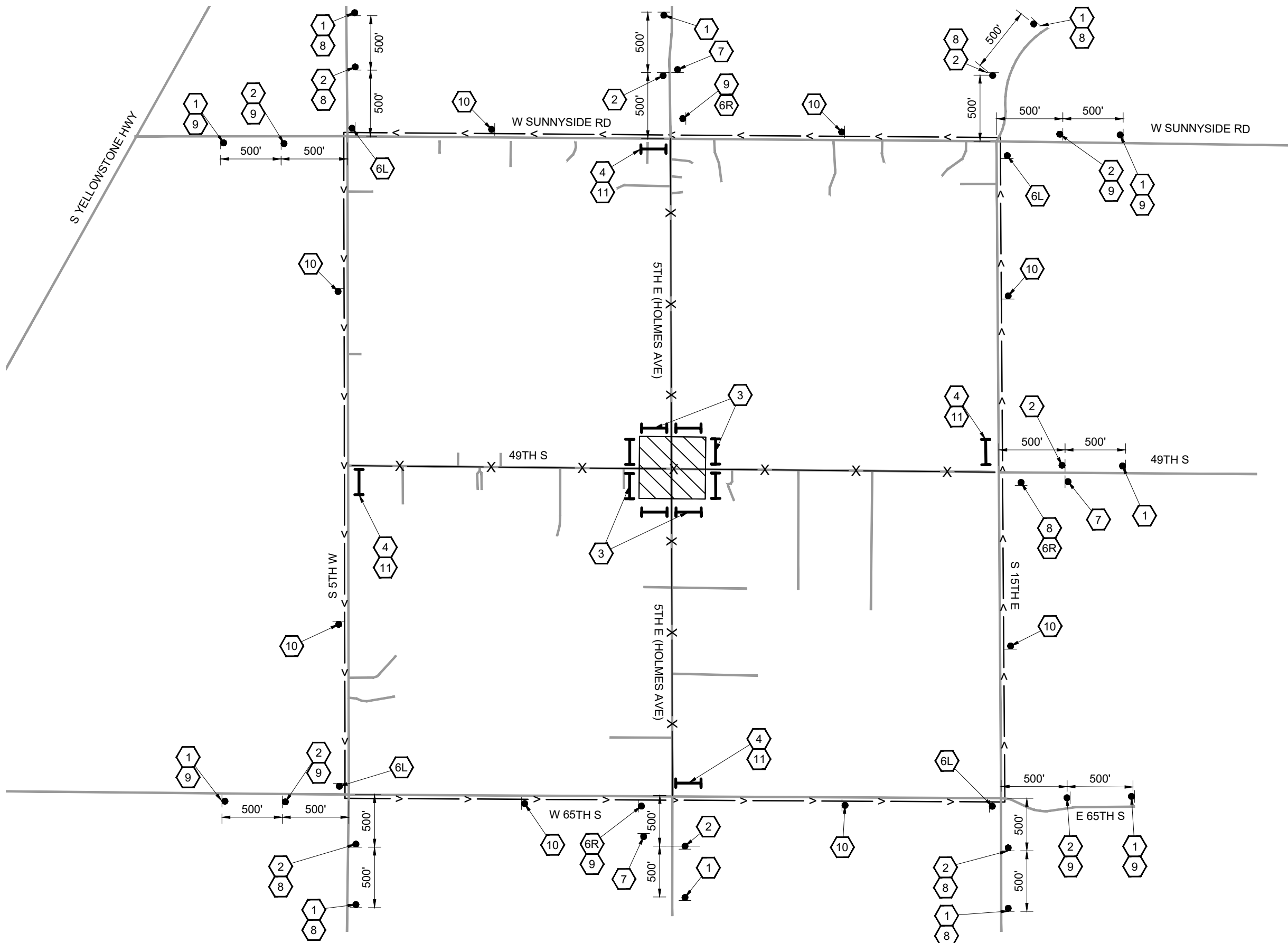
SUMMARY OF TRAFFIC CONTROL ITEMS			
ITEM NUMBER	DESCRIPTION	QUANTITY	UNIT
626-010A	TEMPORARY TRAFFIC CONTROL SIGNS	694	SF
626-040A	BARRICADE TYPE 3	12	EACH
626-100B	MISCELLANEOUS TEMPORARY TRAFFIC CONTROL ITEMS	1000	CA
626-105A	TEMPORARY TRAFFIC CONTROL MAINTENANCE	320	HR

NOTES:

- MEET OR EXCEED THE REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), AS ADOPTED BY THE STATE.
- SUBMIT A TRAFFIC CONTROL PLAN FOR APPROVAL IF THE TRAFFIC CONTROL PLAN AS SHOWN DOES NOT CONFORM TO THE CONTRACTOR'S METHOD OF OPERATION.
- REMOVE CONFLICTING SIGNS DURING CONSTRUCTION OR COVER USING AN APPROVED METHOD. BLACK PLASTIC WILL NOT BE ACCEPTED. SIGNS DAMAGED BY THE CONTRACTOR WILL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- ALL DISTANCES SHOWN BETWEEN SIGNS ARE MINIMUMS. ADJUST SIGN SPACINGS IN THE FIELD DEPENDING ON PREVAILING CONDITIONS AND/OR CONFLICTS WITH EXISTING SIGNS.
- REMOVE OR LAY DOWN INACTIVE/UNUSED SIGNS AND SIGN STANDS AT LEAST 15 FEET FROM THE TRAVELED WAY.

<table border="1"> <thead> <tr> <th colspan="4">REVISIONS</th> </tr> <tr> <th>NO.</th> <th>DATE</th> <th>BY</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>				REVISIONS				NO.	DATE	BY	DESCRIPTION													DESIGNED P. TARRICONE DESIGN CHECKED E. HULSLANDER DETAILED P. TARRICONE DRAWING CHECKED N. CLEAVER	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY CADD FILE NAME 23889 TSUM_001 DRAWING DATE: 2/25/26	IDAHO TRANSPORTATION DEPARTMENT  KELLER ASSOCIATES	PROJECT NO. A023(889)	TEMPORARY TRAFFIC CONTROL SUMMARY STC-7316, 5TH E (HOLMES AVE) & 49TH S SIGNAL	COUNTY BONNEVILLE KEY NUMBER 23889 SHEET 36 OF 40	DocuSign 
REVISIONS																														
NO.	DATE	BY	DESCRIPTION																											

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CONSTRUCTION SIGNAGE

- 1 ROAD CLOSED AHEAD W20-3 48"x48"
- 2 DETOUR AHEAD W20-2 48"x48"
- 3 ROAD CLOSED R11-2 48"x30" ON TYPE III BARRICADE
- 4 ROAD CLOSED TO THRU TRAFFIC R11-4 60"x30" ON TYPE III BARRICADE
- 6L DETOUR M4-9L 30"x24"
- 6R DETOUR M4-9R 30"x24"
- 7 END DETOUR M4-8a 24"x18"
- 8 W 49TH S D3-1(0) 24"x12"
- 9 S HOLMES AVE D3-1(0) 24"x12"
- 10 DETOUR M4-8 24"x12" M6-3(o) 21"x12"
- 11 DETOUR M4-10R 48"x18"

LEGEND

- SIGN
- DETOUR ROUTE
- ROAD CLOSED TO THRU TRAFFIC
- WORK AREA (ROAD CLOSED)
- TYPE III BARRICADE

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED P. TARRICONE	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
DESIGN CHECKED E. HULSLANDER	
DETAILED P. TARRICONE	CADD FILE NAME 23889_TDTL_001
DRAWING CHECKED N. CLEAVER	DRAWING DATE: 2/25/26

IDAHO TRANSPORTATION DEPARTMENT

KELLER ASSOCIATES

PROJECT NO. A023(889)

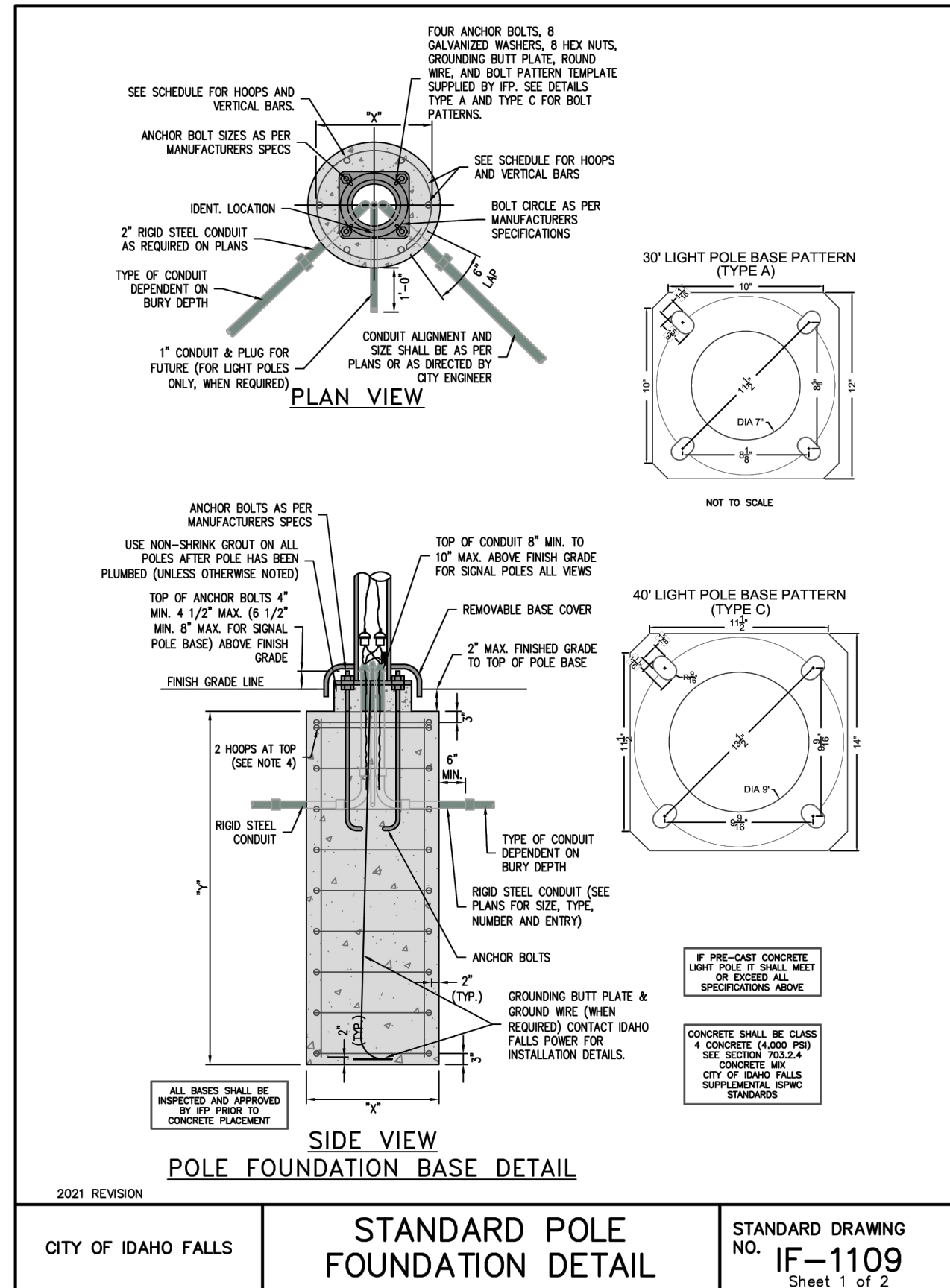
TEMPORARY TRAFFIC CONTROL STC-7316, 5TH E (HOLMES AVE) & 49TH S SIGNAL

English

COUNTY BONNEVILLE
KEY NUMBER 23889
SHEET 37 OF 40

DocuSign Envelope ID: A3687155-EACE-41E9-B368-1D7F0DE18161

J:\222207 LHTA0007_23889_BONN.HOLMES & 48TH\PROJECT_DEVELOPMENT\PLAN_SHEETS\ROADWAY\23889_IFSD_001.DWG LAST SAVED: 2/25/2026 9:52 AM PRINTED: 3/10/2026 3:35 PM



GENERAL NOTE

1. ALL Idaho Falls Standard Details must meet ITD standard material specifications.

CITY OF IDAHO FALLS

STANDARD POLE FOUNDATION DETAIL

STANDARD DRAWING NO. **IF-1109**
Sheet 1 of 2

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	P. TARRICONE
DESIGN CHECKED	E. HULSLANDER
DETAILED	P. TARRICONE
DRAWING CHECKED	N. CLEAVER

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME 23889 IFSD 001
DRAWING DATE: 2/25/26

IDAHO TRANSPORTATION DEPARTMENT

KELLER ASSOCIATES

PROJECT NO.	A023(889)
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IDAHO FALLS STANDARD DRAWING	STC-7316, 5TH E (HOLMES AVE) & 49TH S SIGNAL
------------------------------	--

English
COUNTY BONNEVILLE
KEY NUMBER 23889
SHEET 38 OF 40

STANDARD DRAWING FOR REFERENCE

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GENERAL NOTE

1. ALL Idaho Falls Standard Details must meet ITD standard material specifications.

POLE FOUNDATION SCHEDULE												
POLE TYPE	MT.HT.	MASTARM LENGTH	FOUNDATION TYPE	X	Y	HOOPS		VERTICAL RODS		CU. YDS.		
						NO.	SIZE	NO.	SIZE			
PEDESTRIAN SIGNAL POLE	10'	-	A	2'-0"	5'-0"	4	#4	23'-0"	6	#4	28'-0"	0.6
LIGHT POLE PEDESTRIAN SIGNAL POLE	30'	ALL	A	2'-0"	5'-0"	4	#4	23'-0"	6	#4	28'-0"	0.6
LIGHT POLE	40'	ALL	C	3'-0"	8'-0"	5	#4	44'-2"	8	#6	61'-4"	2.1
PED. PUSHBUTTON POLE	4'-0"	-	E	1'-6"	2'-6"	-	-	-	-	-	-	0.2
DUAL MASTARM SIGNAL POLE	-	ALL	F	3'-0"	12'-0"	8	#5	70'-8"	12	#6	140'	3.1
SIGNAL POLE	-	20' - 55'	F	3'-0"	12'-0"	8	#5	70'-8"	12	#6	140'	3.1
SIGNAL POLE (SEE NOTE 2)	-	60' - 65'	G	3'-6"	14'-0"	9	#5	78'-10"	12	#6	166'	3.7

TRAFFIC SIGNAL POLES ARE LIMITED TO A MAXIMUM 50' LUMINAIRE MOUNTING HEIGHT, A MAXIMUM 20' LUMINAIRE MAST ARM LENGTH, AND MAXIMUM SIGNAL MAST ARM LENGTHS LISTED IN THE "SIGNAL POLE SCHEDULE".

WHEN BEDROCK IS ENCOUNTERED ROCK MUST BE REMOVED AND POLE PLACED AS SHOWN BELOW.

NOTE:

1. CONTACT THE CITY OF IDAHO FALLS ENGINEERING DEPT. IF SOIL IS CLAY, SANDY CLAY, SILTY CLAY, AND CLAYEY SILT OR IF SOIL IS ORGANIC CLAYS AND PEAT.
2. TRAFFIC SIGNAL POLES ARE LIMITED TO A MAXIMUM 50' LUMINAIRE MOUNTING HEIGHT, A MAXIMUM 20' LUMINAIRE MAST ARM LENGTH, AND MAXIMUM SIGNAL MAST ARM LENGTHS LISTED IN THE "SIGNAL POLE SCHEDULE".
3. CONTRACTOR SHALL PROVIDE CUSTOM FOUNDATION DESIGN FOR TRAFFIC SIGNAL POLES THAT EXCEED LIMITATIONS IN NOTE 2. THE FOUNDATION SHALL BE DESIGNED AND SEALED BY A QUALIFIED ENGINEER CURRENTLY LICENSED TO PRACTICE ENGINEERING IN IDAHO.
4. USE 2 HOOPS AT TOP FOR FOUNDATION TYPE "G" ONLY.
5. REINFORCEMENT STEEL IN FOUNDATIONS SHALL BE GRADE 60.
6. ALL BASES SHALL BE INSPECTED & APPROVED BY THE CITY ENGINEER PRIOR TO CONCRETE PLACEMENT.
7. USE MANUFACTURER'S STANDARD FOR ANCHOR BOLT INSTALLATION.
8. TRAFFIC SIGNAL POLES SHALL HAVE A GROUND CONNECTED TO THE POWER SOURCE LOCATION ONLY. MULTIPLE GROUNDS ARE ONLY ALLOWED ON STREET LIGHT POLES.
9. ALL CONDUITS, ELBOWS & COUPLINGS WITHIN & PROTRUDING FROM THE FOUNDATION SHALL BE RIGID STEEL. THE REMAINING CONDUITS SHALL BE AS SHOWN ON THE PLANS.
10. GRADUAL SWEEP ELBOWS ONLY, PLUMBERS ELBOWS NOT ALLOWED.

SIGNAL POLE SCHEDULE				
VERTICAL POLE	SIGNAL ARM LENGTH			
CLASS 1	20'	SINGLE MAST		
	25'			
	30'			
	35'			
CLASS 2	40'	SINGLE MAST		
	45'			
CLASS 3	50'	DOUBLE MAST		
	55'			
CLASS 4 (SEE NOTE 3)	ARM 1			ARM 2 (MAX.)
	20'			55'
	25'			55'
	30'			50'
	35'			45'
	40'	45'		
45'	45'			
50'	30'			
55'	25'			

2021 REVISION

CITY OF IDAHO FALLS

STANDARD POLE FOUNDATION DETAIL

STANDARD DRAWING NO. **IF-1109**
Sheet 2 of 2

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	P. TARRICONE
DESIGN CHECKED	E. HULSLANDER
DETAILED	P. TARRICONE
DRAWING CHECKED	N. CLEAVER

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME 23889 IFSD 001
DRAWING DATE: 2/25/26

IDAHO TRANSPORTATION DEPARTMENT

KELLER ASSOCIATES

PROJECT NO. A023(889)

IDAHO FALLS STANDARD DRAWING
STC-7316, 5TH E (HOLMES AVE) & 49TH S SIGNAL

English
COUNTY BONNEVILLE
KEY NUMBER 23889
SHEET 39 OF 40

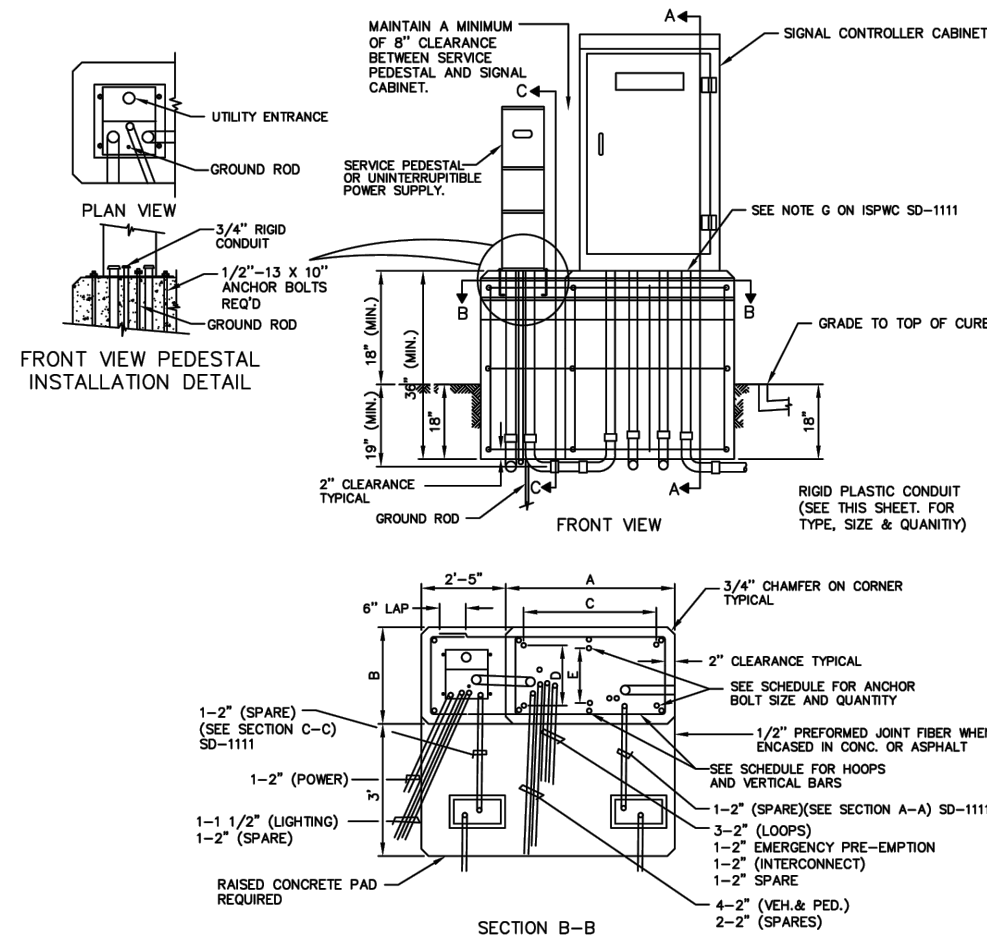
STANDARD DRAWING FOR REFERENCE

GENERAL NOTE

1. ALL Idaho Falls Standard Details must meet ITD standard material specifications.

FOUNDATION SCHEDULE														
CABINET TYPE	FOUNDATION TYPE	A	B	C	D	E	CABINET ONLY							
							HOOPS NO.	HOOPS SIZE	HOOPS LIN. FT.	VERTICAL RODS NO.	VERTICAL RODS SIZE	VERTICAL RODS LIN. FT.	CU. YDS. CONC. FOUNDATION	CU. YDS. CONC. PAD
SIGNAL	M	2'-9"	1'-8"	—	—	1'-0"	3	#4	24'0"	6	#4	13'0"	.5	.1
	P	3'-11"	2'-5"	3'-4 3/4"	1'-6 1/2"	—	3	#4	35'6"	6	#4	13'0"	.9	.1

FOUNDATION SCHEDULE (CONT.)																	
CABINET AND 1 SERVICE PEDESTALS						CABINET AND 2 SERVICE PEDESTALS											
HOOPS NO.	HOOPS SIZE	HOOPS LIN. FT.	VERTICAL RODS NO.	VERTICAL RODS SIZE	VERTICAL RODS LIN. FT.	CU. YDS. CONC. FOUNDATION	CU. YDS. CONC. PAD	ANCHOR BOLT QNTY.	ANCHOR BOLT SIZE								
3	#4	38'6"	8	#4	17'4"	.8	.2	3	#4	53'0"	10	#4	21'8"	1.1	.3	2	1/2" X 12" X 3"
3	#4	50'0"	8	#4	17'4"	1.4	.2	3	#4	64'6"	10	#4	21'8"	1.9	.3	4	1/2" X 18" X 4"



2018 REVISION

CITY OF IDAHO FALLS

STANDARD CABINET FOUNDATION – DETAIL A

STANDARD DRAWING NO. IF-1110

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REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	P. TARRICONE
DESIGN CHECKED	E. HULSLANDER
DETAILED	P. TARRICONE
DRAWING CHECKED	N. CLEAVER

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
 CADD FILE NAME: 23889 IFSD 001
 DRAWING DATE: 2/25/26

IDAHO TRANSPORTATION DEPARTMENT

 KELLER ASSOCIATES

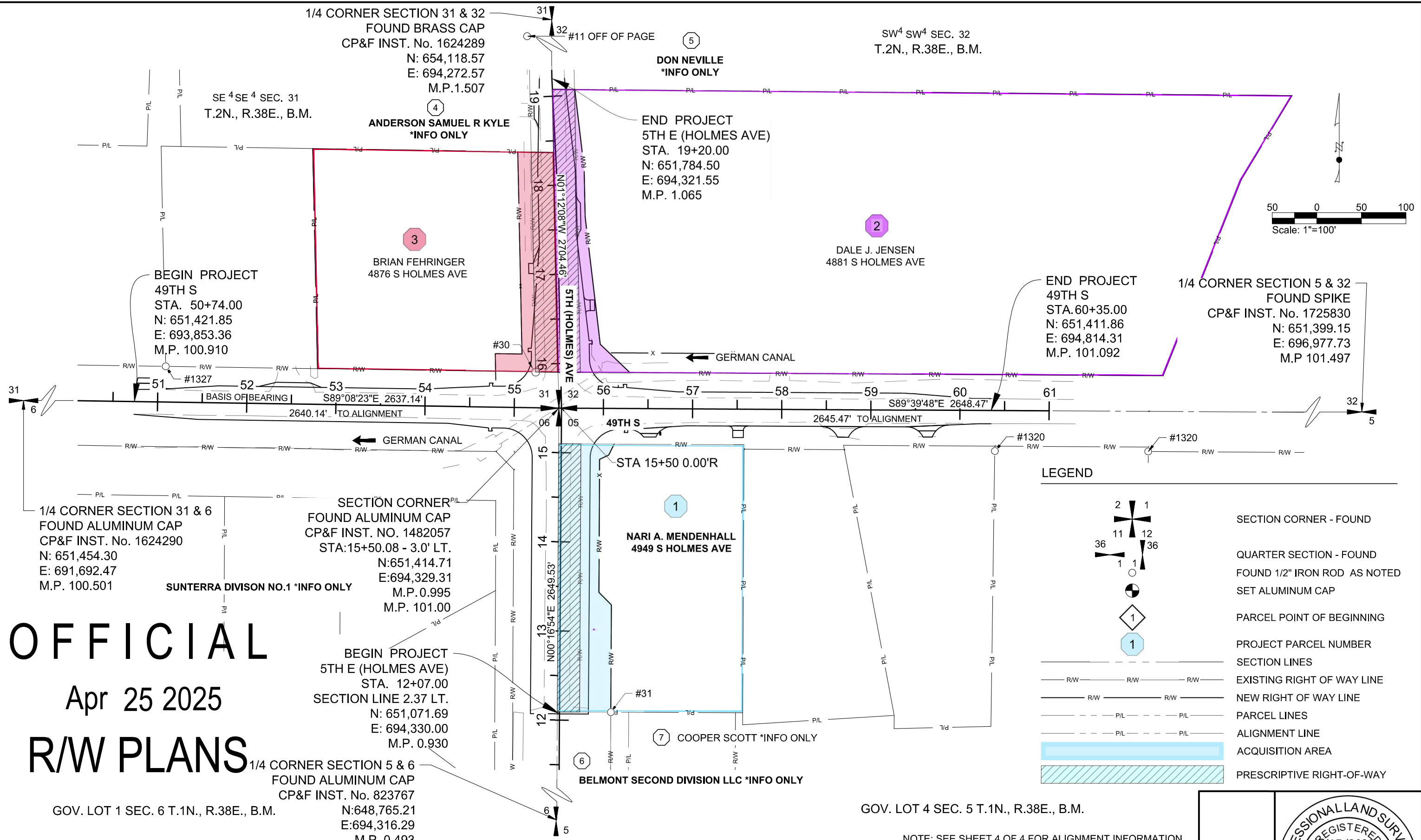
PROJECT NO.	A023(889)
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IDAHO FALLS STANDARD DRAWING	STC-7316, 5TH E (HOLMES AVE) & 49TH S SIGNAL
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English
COUNTY BONNEVILLE
KEY NUMBER 23889
SHEET 40 OF 40

STANDARD DRAWING FOR REFERENCE

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OFFICIAL

Apr 25 2025

R/W PLANS

GOV. LOT 1 SEC. 6 T.1N., R.38E., B.M. N:648,765.21 E:694,316.29 M.P. 0.493

GOV. LOT 4 SEC. 5 T.1N., R.38E., B.M.

NOTE: SEE SHEET 4 OF 4 FOR ALIGNMENT INFORMATION.

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	P. TARRICON	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
DESIGN CHECKED	B. WHITSON	
DETAILED	C. LEISHMAN	CADD FILE NAME 23889_OWNM_001
DRAWING CHECKED	N. CLEAVER	DRAWING DATE: 4/16/25

IDAHO TRANSPORTATION DEPARTMENT

KELLER ASSOCIATES

PROJECT NO.	A023(889)
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TOTAL OWNERSHIP MAP	STC-7316 5TH E (HOLMES AVE) & 49TH S SIGNAL
---------------------	---

English	
COUNTY	BONNEVILLE
KEY NUMBER	23889
SHEET	1 OF 3



J:\222207 LHTAC\007_23889 BONN, HOLMES & 49TH\PROJECT_DEVELOPMENT\PLAN_SHEETS\ROW\23889_ONLG_001.DWG LAST SAVED: 4/16/2025 11:38 AM PRINTED: 4/16/2025 12:38 PM

Total Ownership									
Parcel No.	Parcel ID No.	Record Owner	Total Assessed Ac.	Right of Way		Total Ac.	Remainder Ac.	Temporary Ease Ac.	Permanent Ease Ac.
				Ex. Prescriptive Ac.	Required Ac.				
1	RP01N38E053023	MENDENHALL NARI A.	1.434	0.173	0.190	0.363	1.071	-	-
2	RP02N38E326444	JENSEN DALE J	5.542	0.182	0.102	0.284	5.258	-	-
3	RP02N38E319482	FEHRINGER BRIAN	1.530	0.142	0.099	0.241	1.289	-	-
*4	INFO ONLY	ANDERSON SAMUEL R KYLE	0	0	0	0	0	-	-
*5	INFO ONLY	DON NEVILLE	0	0	0	0	0	-	-
*6	INFO ONLY	BELMONT SECOND DIVISION LLC	0	0	0	0	0	-	-
*7	INFO ONLY	COOPER SCOTT	0	0	0	0	0	-	-

OFFICIAL

Apr 25 2025

R/W PLANS

POINTS TO BE MONUMENTED		
POINTNO.	NORTHING	EASTING
500	651362.05	694385.22
501	651374.34	694391.37
502	651455.77	694258.44
503	651475.78	694258.02
504	651475.33	694288.03
505	651702.24	694283.27
506	651772.33	694347.17
507	651486.31	694375.79
508	651454.24	694409.22
509	651193.97	694388.23
510	651208.07	694374.30
511	651357.16	694375.03
512	651629.42	694358.82
513	651683.45	694357.68

PROJECT CONTROL				
POINTNO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
11	652052.69	694288.90	4703.75	5/8" I.R. MARKED PLS8795
30	651455.03	694303.46	4703.63	1/2" I.R. MARKED KA 10786
31	651073.58	694387.56	4704.08	1/2" I.R. MARKED PLS9369
1320	651365.73	694990.52	4703.44	1/2" I.R. MARKED PLS827
1327	651461.36	693888.79	4700.98	1/2" I.R.

SURVEY NOTES:

- THE BASIS OF BEARING IS FROM THE S1/4 CONER OF SECTION 31 TO THE SE CORNER OF SECTION 31 BEING - S89°08'23"E, 2637.14 FEET AND IS THE BASIS FOR ALL OTHER BEARINGS LISTED ON THIS SURVEY. THIS BEARING RELATES DIRECTLY TO THE "CITY OF IDAHO FALLS COORDINATE SYSTEM OF 2004".

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED P. TARRICONE	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY CADD FILE NAME 23889_ONLG_001 DRAWING DATE: 4/16/25
DESIGN CHECKED B. WHITSON	
DETAILED C. LEISHMAN	
DRAWING CHECKED N. CLEAVER	

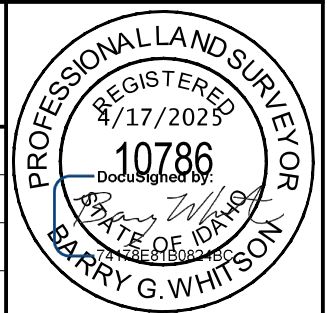
IDAHO TRANSPORTATION DEPARTMENT

KELLER ASSOCIATES

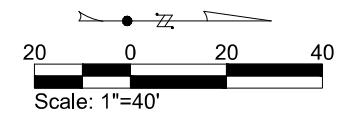
PROJECT NO.	A023(889)
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OWNERSHIP LEGEND	STC-7316 5TH E (HOLMES AVE) & 49TH S SIGNAL
------------------	---

English
COUNTY BONNEVILLE
KEY NUMBER 23889
SHEET 2 OF 3



GOV. LOT 1 SEC. 6 T.1N., R.38E., B.M.



STATE OF IDAHO
PARCEL POINT OF BEGINNING
TIE TABLE TO SECTION CORNER
SECTIONS 5, 6, 31, & 32

Section Line Tie	Perpendicular
1	S00° 16' 54"W 40.00'
2	N01° 12' 08"W 40.02'
3	N01° 12' 08"W 40.02'

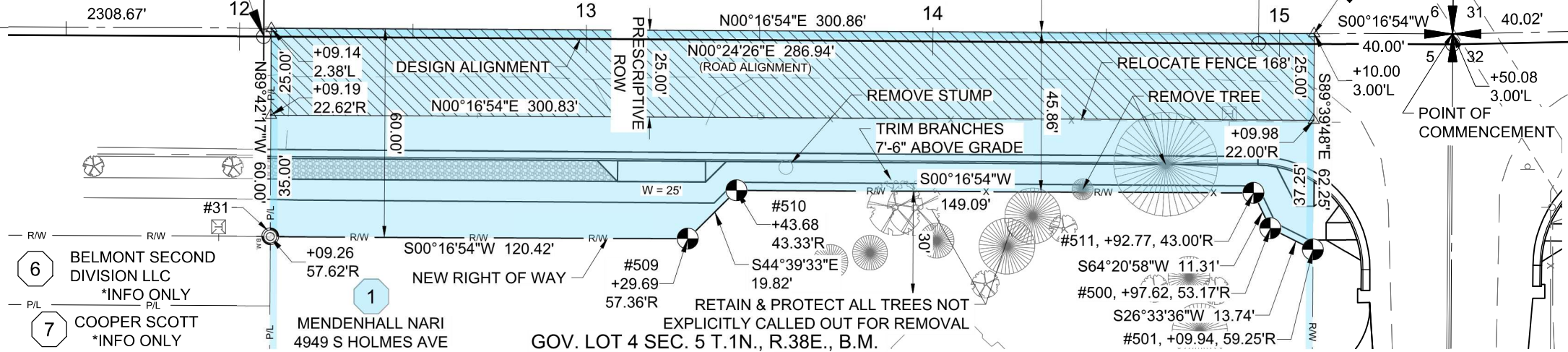
OFFICIAL

Apr 25 2025

R/W PLANS

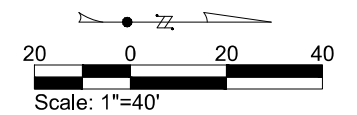
BEGIN PROJECT
S 5TH E (HOLMES AVE)
STA. 12+07.00
N: 651,071.69
E: 694,330.00
M.P. 0.930

5TH E (HOLMES AVE)

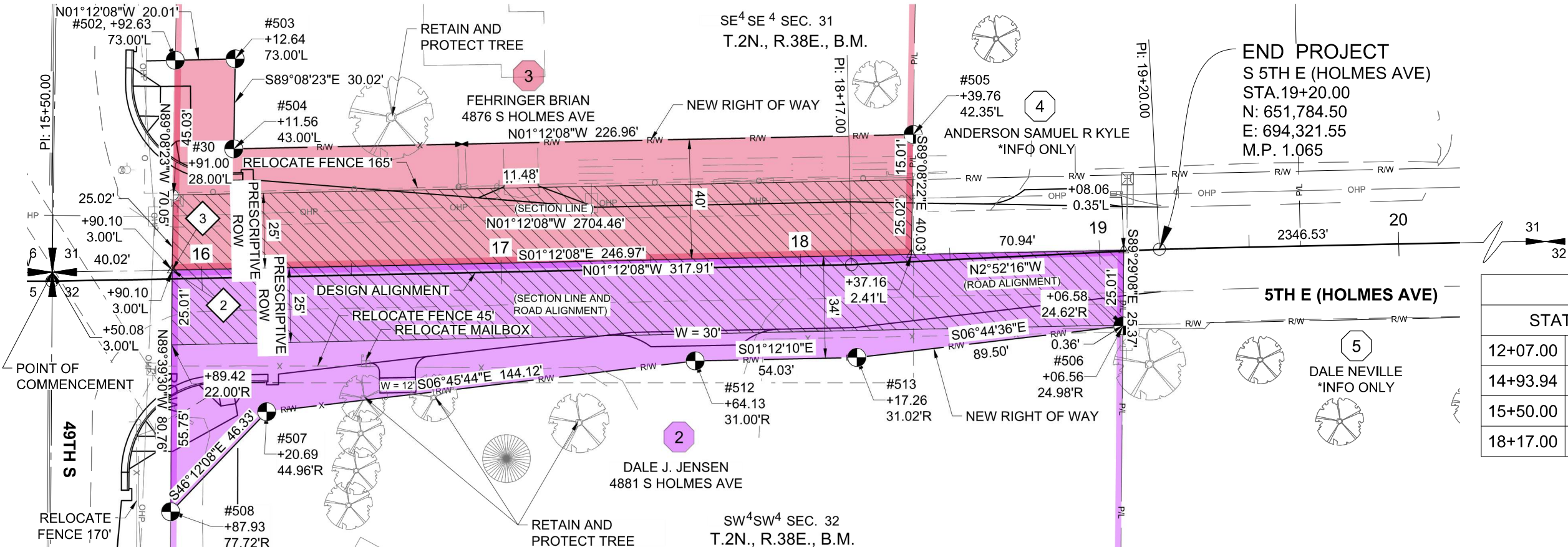


6 BELMONT SECOND DIVISION LLC
*INFO ONLY
7 COOPER SCOTT
*INFO ONLY

GOV. LOT 4 SEC. 5 T.1N., R.38E., B.M.



END PROJECT
S 5TH E (HOLMES AVE)
STA. 19+20.00
N: 651,784.50
E: 694,321.55
M.P. 1.065



DESIGN ALIGNMENT			
STATION	BEARING	DISTANCE	
12+07.00	14+93.94	N00°24'26"E	286.94'
14+93.94	15+50.00	N00°16'54"E	56.06'
15+50.00	18+17.00	N01°12'08"W	267.00'
18+17.00	19+20.00	N02°52'16"W	103.00'

REVISIONS

NO.	DATE	BY	DESCRIPTION

DESIGNED	P. TARRICONE	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
DESIGN CHECKED	B. WHITSON	
DETAILED	C. LEISHMAN	
DRAWING CHECKED	N. CLEAVER	
CADD FILE NAME		23889_RWPL_001
DRAWING DATE:		4/22/25

IDAHO TRANSPORTATION DEPARTMENT

KELLER ASSOCIATES

PROJECT NO.	A023(889)
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RIGHT OF WAY PLAN	STC-7316 5TH E (HOLMES AVE) & 49TH S SIGNAL
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English

COUNTY	BONNEVILLE
KEY NUMBER	23889
SHEET	3 OF 3

PROFESSIONAL LAND SURVEYOR

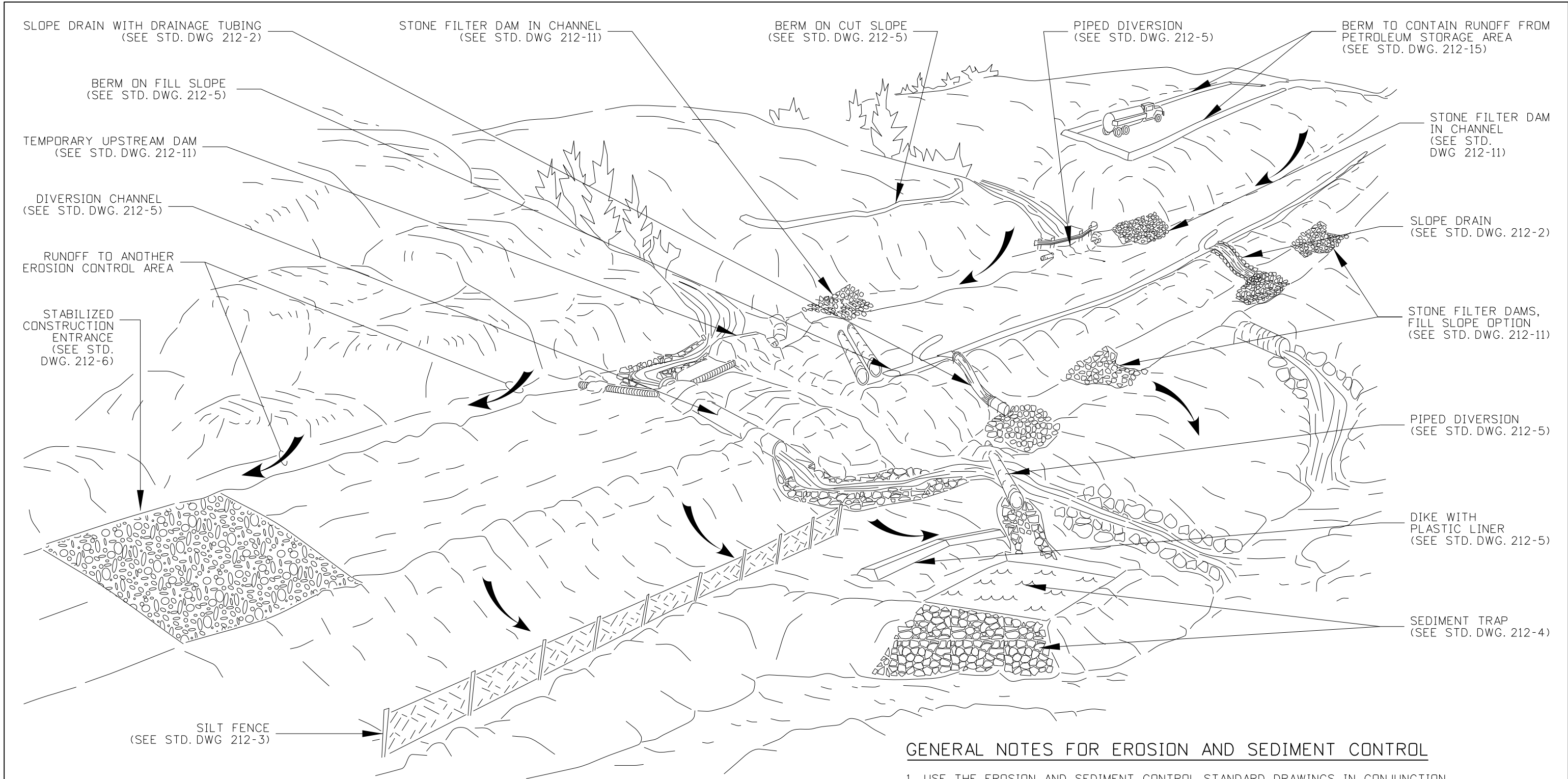
REGISTERED 4/24/2025

10786

Dodds Signed by

BARRY G. WHITSON

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 LAST SAVED: 4/22/2025 4:22 PM
 PRINTED: 4/24/2025 10:17 AM



GENERAL NOTES FOR EROSION AND SEDIMENT CONTROL

1. USE THE EROSION AND SEDIMENT CONTROL STANDARD DRAWINGS IN CONJUNCTION WITH THE ITD BEST MANAGEMENT PRACTICES MANUAL.
2. THE PLACEMENT OF EROSION CONTROL MEASURES IS SITE SPECIFIC. OBTAIN THE ENGINEER'S APPROVAL OF THE EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO INSTALLATION.
3. EROSION AND SEDIMENT CONTROL MEASURES PLACEMENT AND INSTALLATION MAY BE CONTROLLED BY THE NPDES, 404 PERMIT OR CONTRACT SPECIFICATIONS.
4. DRAWING NOT TO SCALE

ORIGINAL STORED AT: ITD, Headquarters 3311 West State Boise, Idaho

REVISIONS								
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	9-93	MSM	6	12-16	RDL			
2	6-96	MSM	7	02-21	TWF			
3	10-10	KEH						
4	10-11	KEH						
5	12-12	RDL						

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
 CADD FILE NAME: 212-01_0421.dgn
 DRAWING DATE: APRIL, 1993

IDAHO TRANSPORTATION DEPARTMENT

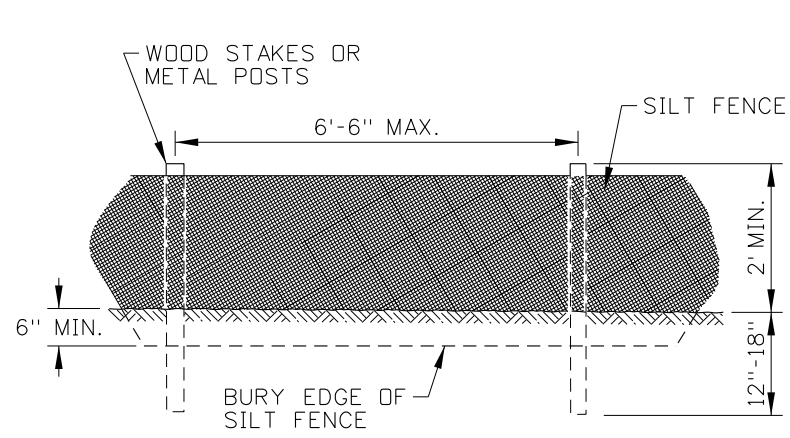


BOISE IDAHO

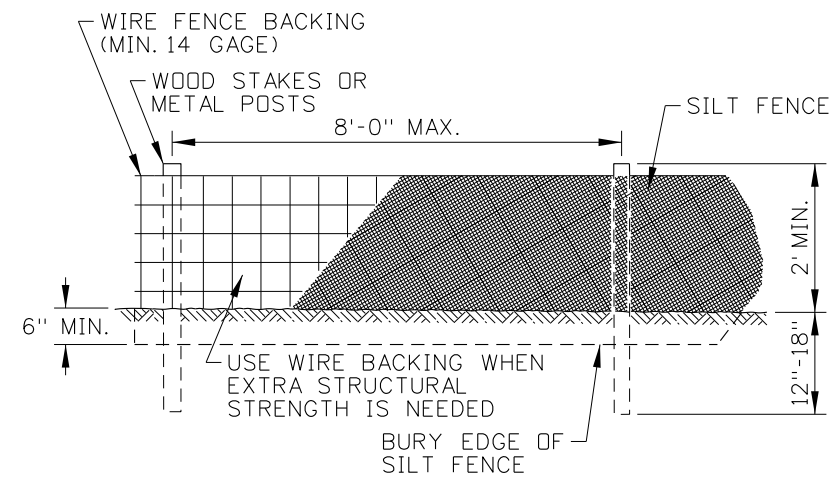
ORIGINAL SIGNED BY: KEVIN SABLAN
 DESIGN/TRAFFIC SERVICES ENGINEER

STANDARD DRAWING
EROSION AND SEDIMENT CONTROL
 EXAMPLE APPLICATIONS

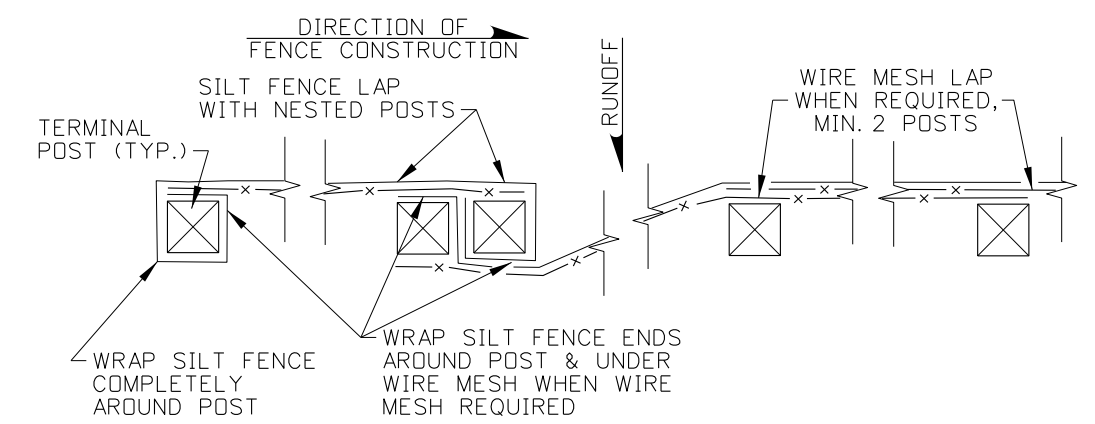
English
 STANDARD DRAWING NO.
 212-1
 SHEET 1 OF 1



SILT FENCE (NO WIRE BACKING)



SILT FENCE (WIRE BACKING)



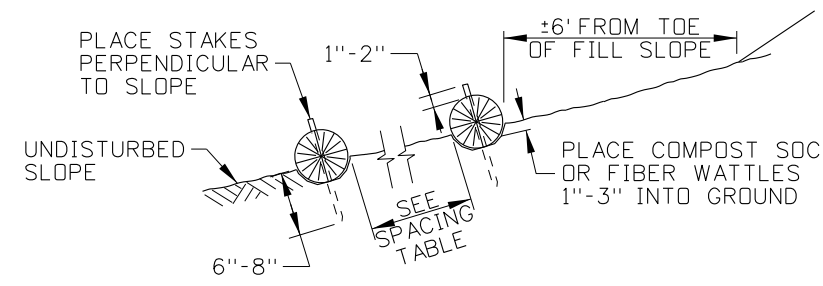
SILT FENCE LAP DETAIL

SLOPE	WATTLE SIZE			
	6"	9"	12"	20"
1:1	5 FT	10 FT	15 FT	20 FT
2:1	10 FT	20 FT	30 FT	40 FT
3:1	15 FT	30 FT	45 FT	60 FT
4:1 OR FLATTER	20 FT	40 FT	60 FT	80 FT

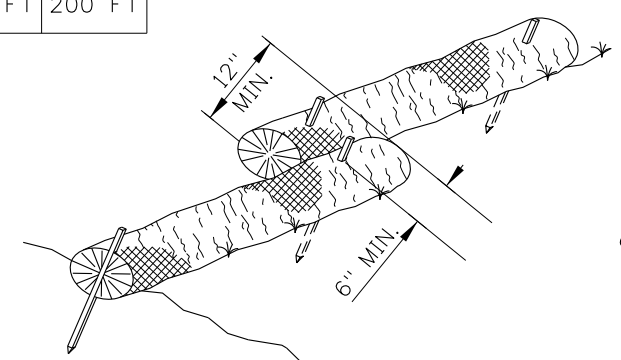
SLOPE	SOIL TYPE		
	SILTY	CLAYS	SANDY
1:1	50 FT	75 FT	100 FT
2:1	75 FT	100 FT	125 FT
4:1	100 FT	125 FT	150 FT
10:1 OR FLATTER	125 FT	150 FT	200 FT

NOTES

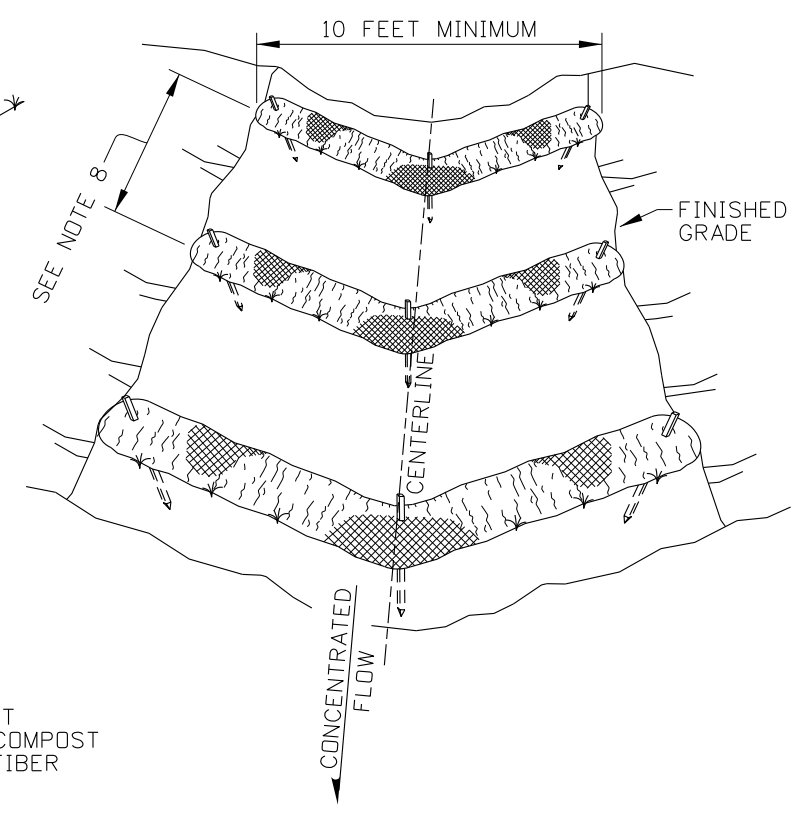
- SEE THE GENERAL NOTES FOR EROSION CONTROL STANDARD DRAWINGS ON 212-1.
- THE NEED FOR TEMPORARY SEDIMENT CONTROL DEVICES ARE DETERMINED BY SITE DESIGN. SPACE SILT FENCES, COMPOST SOCKS, AND FIBER WATTLES IN ACCORDANCE WITH THE SILT FENCE SPACING TABLE AND FIBER WATTLE & COMPOST SOCK SPACING TABLE.
- INSTALL TEMPORARY SEDIMENT CONTROL BARRIERS IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS AND SPECIFICATIONS. THE DIMENSIONS SHOWN ARE GENERAL GUIDELINES.
- PLACE SEDIMENT BARRIERS TO FOLLOW THE SLOPE CONTOURS. USE EITHER METAL POSTS OR WOOD STAKES.
- ENSURE RUNOFF PASSES THROUGH THE SILT FENCE AND NOT AROUND THE FENCE.
- GROUND SILT FENCES WITH WIRE MESH IN ACCORDANCE WITH THE GROUNDING DETAIL SHOWN ON STANDARD DRAWING 610-1.
- EXTEND OR JOIN SILT FENCE USING SILT FENCE LAP WITH NESTED POSTS.
- SPACE CHECK DAMS ACCORDING TO THE HEIGHT OF THE DAM AND THE SLOPE OF THE CHANNEL SO THE BACKWATER FROM THE DOWNSTREAM DAM REACHES THE TOE OF THE UPSTREAM DAM.
- ON SLOPES, TURN THE ENDS OF EACH ROW OF COMPOST SOCKS AND FIBER WATTLES UPSLOPE TO PREVENT RUNOFF FROM FLOWING AROUND THE SOCK OR WATTLE.
- REMOVE SEDIMENT FROM THE UPSLOPE SIDE OF SILT FENCES, COMPOST SOCKS, AND FIBER WATTLES WHEN ACCUMULATION HAS REACHED 1/2 OF THE EFFECTIVE HEIGHT OF THE BARRIER.
- DRAWING NOT TO SCALE.



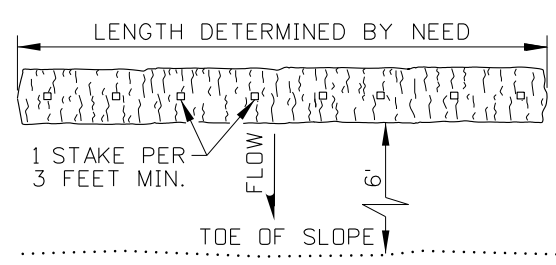
COMPOST SOCK AND FIBER WATTLE SIDE VIEW



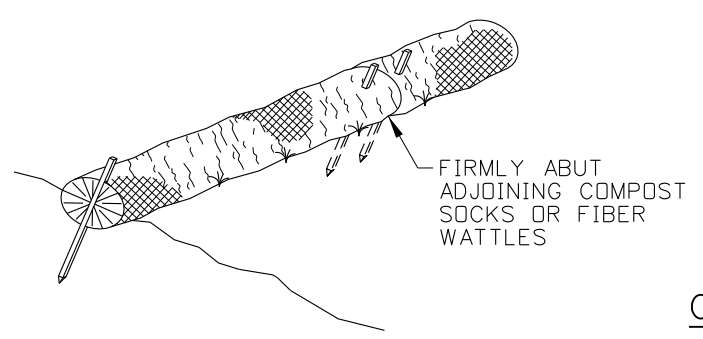
COMPOST SOCK AND FIBER WATTLE OVERLAPPING DETAIL



COMPOST SOCK AND FIBER WATTLE TEMPORARY CHECK DAM DETAIL



COMPOST SOCK AND FIBER WATTLE PLAN VIEW



COMPOST SOCK AND FIBER WATTLE ABUTTING DETAIL

NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	09-93	MSM	6	01-13	RDL			
2	12-94	MSM	7	03-21	TWF			
3	06-96	GFK						
4	10-10	KEH						
5	10-11	KEH						

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
 CADD FILE NAME: 212-03_0421.dgn
 DRAWING DATE: APRIL, 1993

IDAHO TRANSPORTATION DEPARTMENT

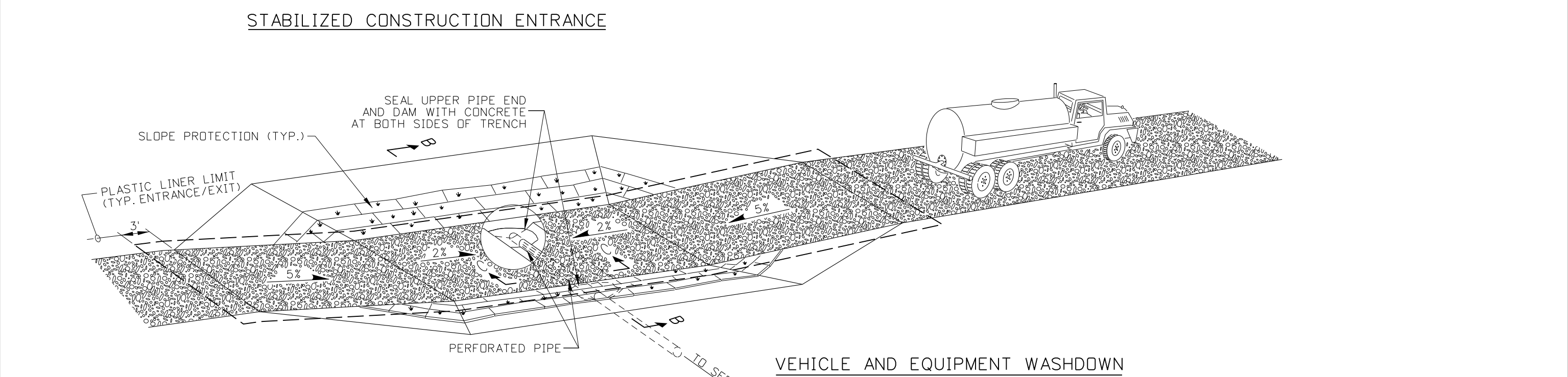
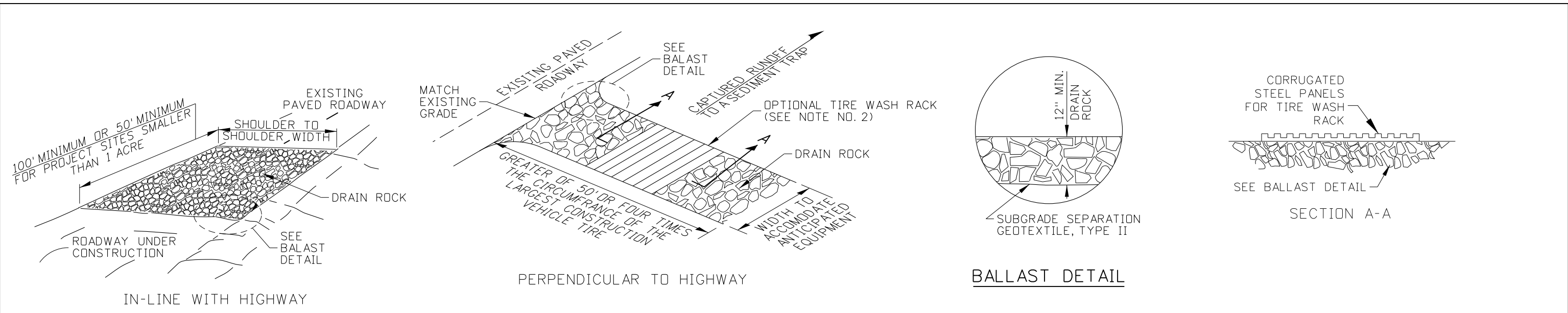
BOISE IDAHO

ORIGINAL SIGNED BY: KEVIN SABLAN
 DESIGN/TRAFFIC SERVICES ENGINEER

STANDARD DRAWING
TEMPORARY EROSION AND SEDIMENT CONTROL
 SILT FENCE, FIBER WATTLE, AND COMPOST SOCK
 REQUIRES STD. DWG. 212-1

English
 STANDARD DRAWING NO.
212-3
 SHEET 1 OF 1

ORIGINAL STORED AT: ITD, Headquarters 3311 West State Boise, Idaho



NOTES

1. SEE THE GENERAL NOTES FOR EROSION CONTROL STANDARD DRAWINGS ON 212-1.
2. DRAWING NOT TO SCALE.

REVISIONS								
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	03-21	TWF						

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY

CADD FILE NAME: 212-06_0421.dgn

DRAWING DATE: NOVEMBER, 2016

IDAHO TRANSPORTATION DEPARTMENT



BOISE IDAHO

ORIGINAL SIGNED BY: KEVIN SABLAN
DESIGN/TRAFFIC SERVICES ENGINEER

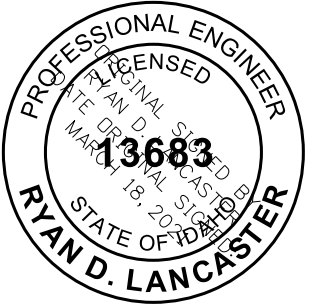
STANDARD DRAWING
TEMPORARY EROSION AND SEDIMENT CONTROL
STABILIZED CONSTRUCTION ENTRANCE AND VEHICLE WASHDOWN
REQUIRES STD. DWG. 212-1

English

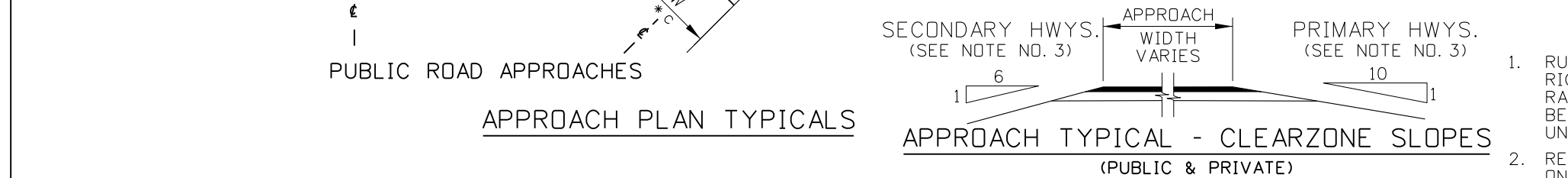
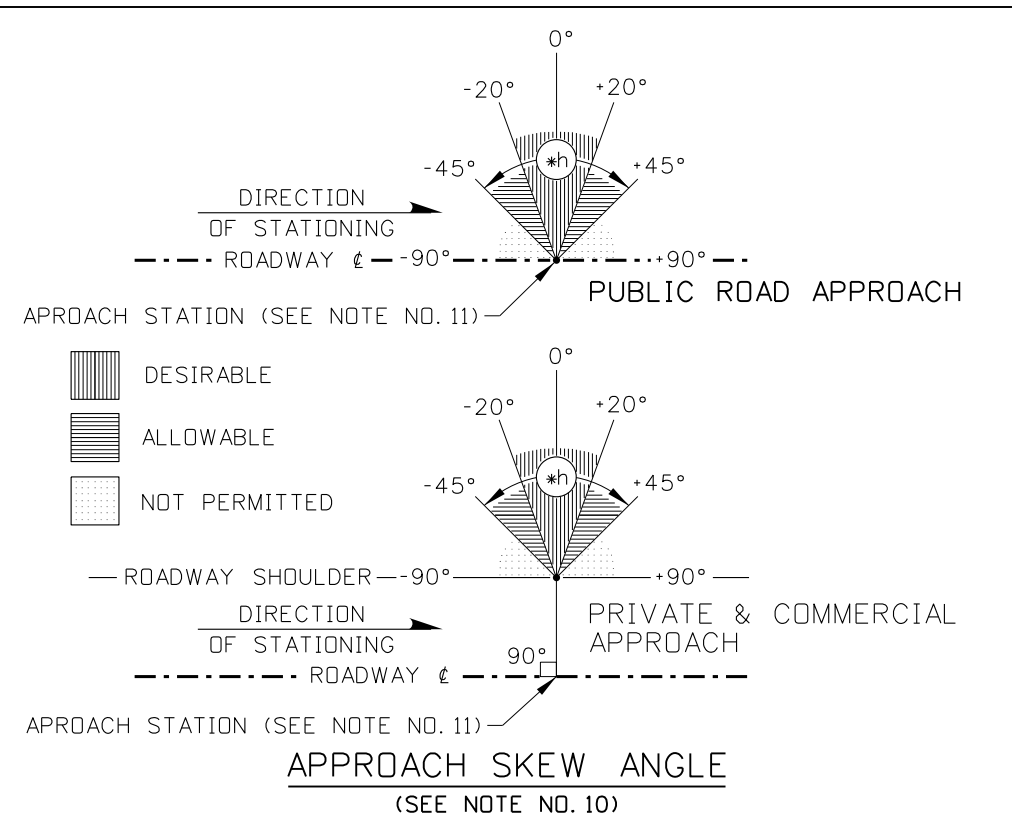
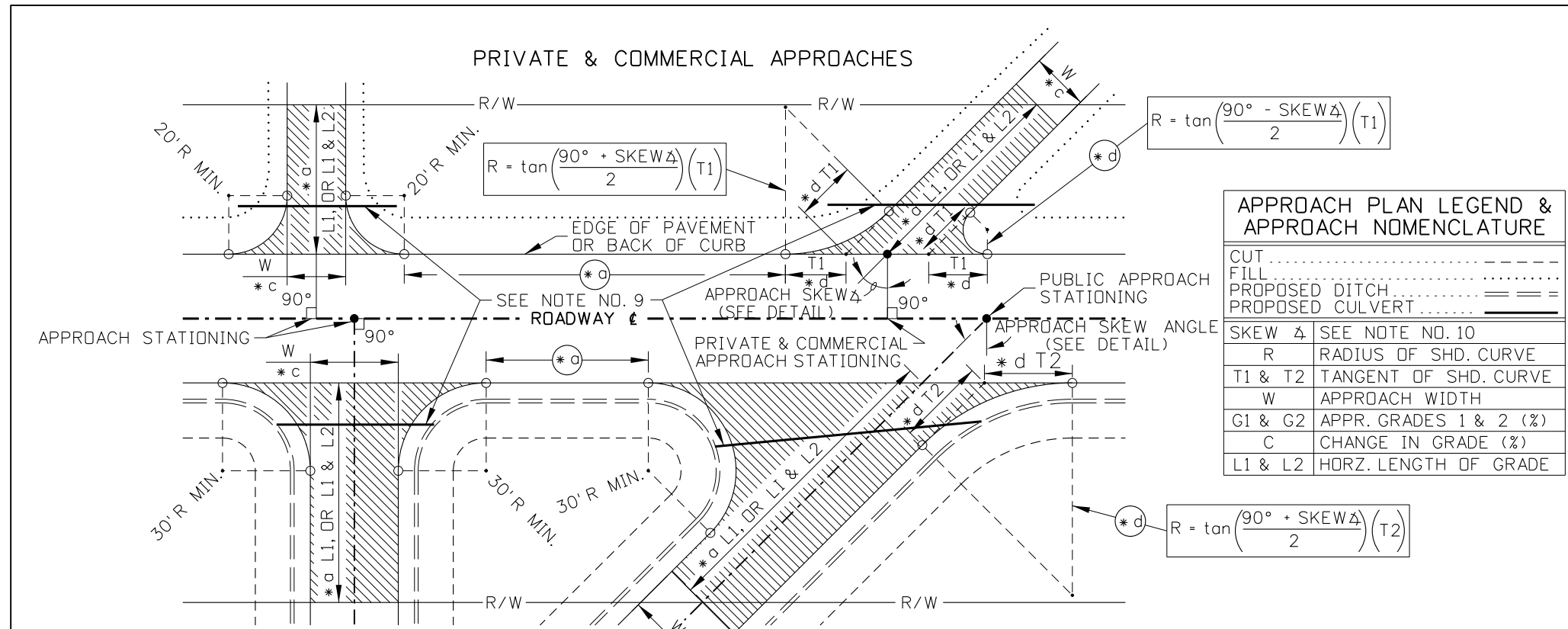
STANDARD DRAWING NO.
212-6

SHEET 1 OF 1

ORIGINAL STORED AT: ITD, Headquarters 3311 West State Boise, Idaho



PROFESSIONAL ENGINEER
LICENSED
RYAN D. LANCASTER
STATE OF IDAHO
13683
MARK 18, 2016

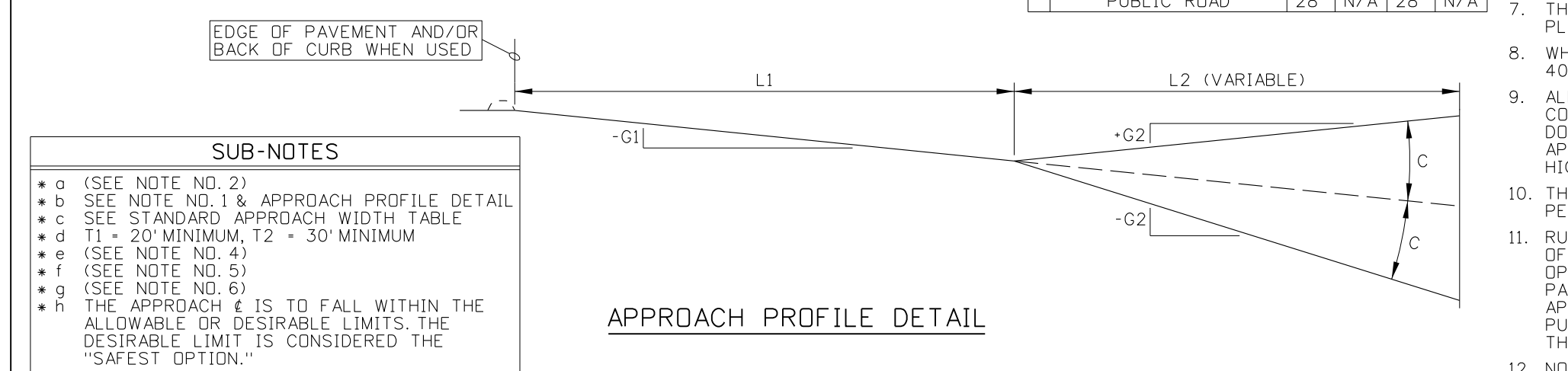


APPROACH GRADE TABLE

TRAFFIC TYPE	GRADE PARAMETER		MAX. CHANGE IN GRADE C	MINIMUM LENGTH L1
	G1 (RANGE)	G2 (MAX.)		
HIGH VOLUME (COMMERCIAL, INDUSTRIAL)	-2% TO -3%	±5%	±3% (*e)	40'
LOW VOLUME (COMMERCIAL, INDUSTRIAL)	-2% TO -5%	±8%	±6%	40'
SINGLE RESIDENTIAL, FARMYARD, FIELD	-2% TO -8%	±15% *g	VEHICLE CLEARANCE	10'
MULTIPLE RESIDENTIAL	-2% TO -8%	±15% *g	±6%	20'
PUBLIC ROAD	-2%	*f	±2%	20'

STANDARD APPROACH WIDTH TABLE

POSTED SPEED (mph)	≤35		>35	
	MIN.	MAX.	MIN.	MAX.
MULTIPLE RESIDENTIAL	28'	40'	28'	40'
SINGLE RESIDENTIAL, FARMYARD, FIELD	12'	40'	20'	40'
COMMERCIAL (ONE-WAY)	15'	30'	20'	30'
COMMERCIAL (TWO-WAY)	25'	40'	25'	40'
PUBLIC ROAD	28'	N/A	28'	N/A



SUB-NOTES

- * a (SEE NOTE NO. 2)
- * b SEE NOTE NO. 1 & APPROACH PROFILE DETAIL
- * c SEE STANDARD APPROACH WIDTH TABLE
- * d T1 = 20' MINIMUM, T2 = 30' MINIMUM
- * e (SEE NOTE NO. 4)
- * f (SEE NOTE NO. 5)
- * g (SEE NOTE NO. 6)
- * h THE APPROACH Δ IS TO FALL WITHIN THE ALLOWABLE OR DESIRABLE LIMITS. THE DESIRABLE LIMIT IS CONSIDERED THE "SAFEST OPTION."

REVISIONS

NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	01-00	MSM	6	12-05	MSM			
2	01-02	MSM	7	06-07	MSM			
3	07-02	MSM						
4	10-02	MSM						
5	08-04	MSM						

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY

CADD FILE NAME: 405-1_0607.dgn

DRAWING DATE: SEPTEMBER, 1993

IDAHO TRANSPORTATION DEPARTMENT

BOISE IDAHO

ORIGINAL SIGNED BY: LOREN THOMAS
ASSISTANT CHIEF ENGINEER (DEVELOPMENT)

ORIGINAL SIGNED BY: STEVEN HUTCHINSON
CHIEF ENGINEER

STANDARD DRAWING

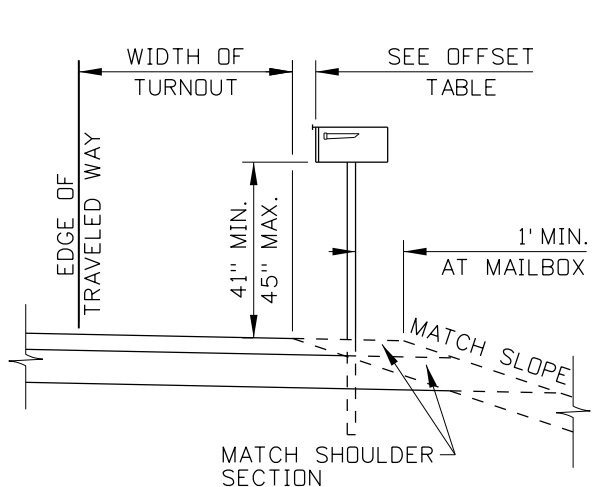
English

STANDARD DRAWING NO. 405-1

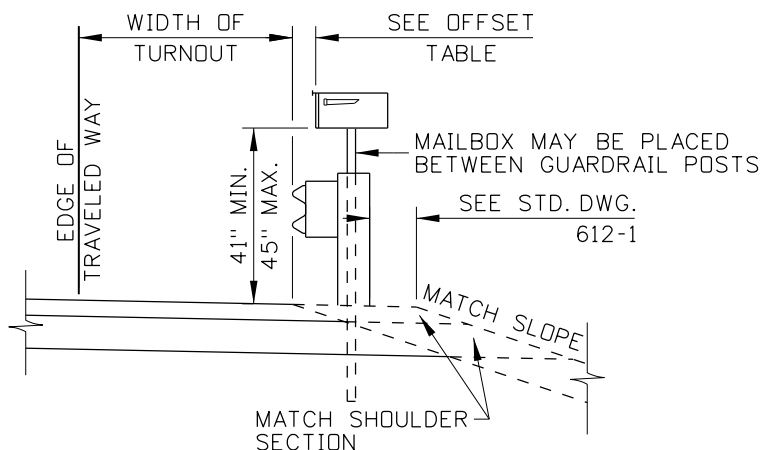
SHEET 1 OF 1

ORIGINAL STORED AT: ITD, Headquarters 3311 West State Boise, Idaho

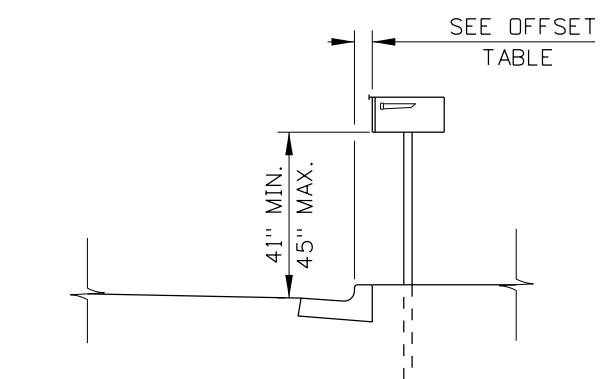
PROFESSIONAL ENGINEER * LAND SURVEYOR
MILFORD MILLER
STATE OF IDAHO
JUNE 19, 2007



INSTALLATION AT MAILBOX TURNOUT



INSTALLATION BEHIND GUARDRAIL



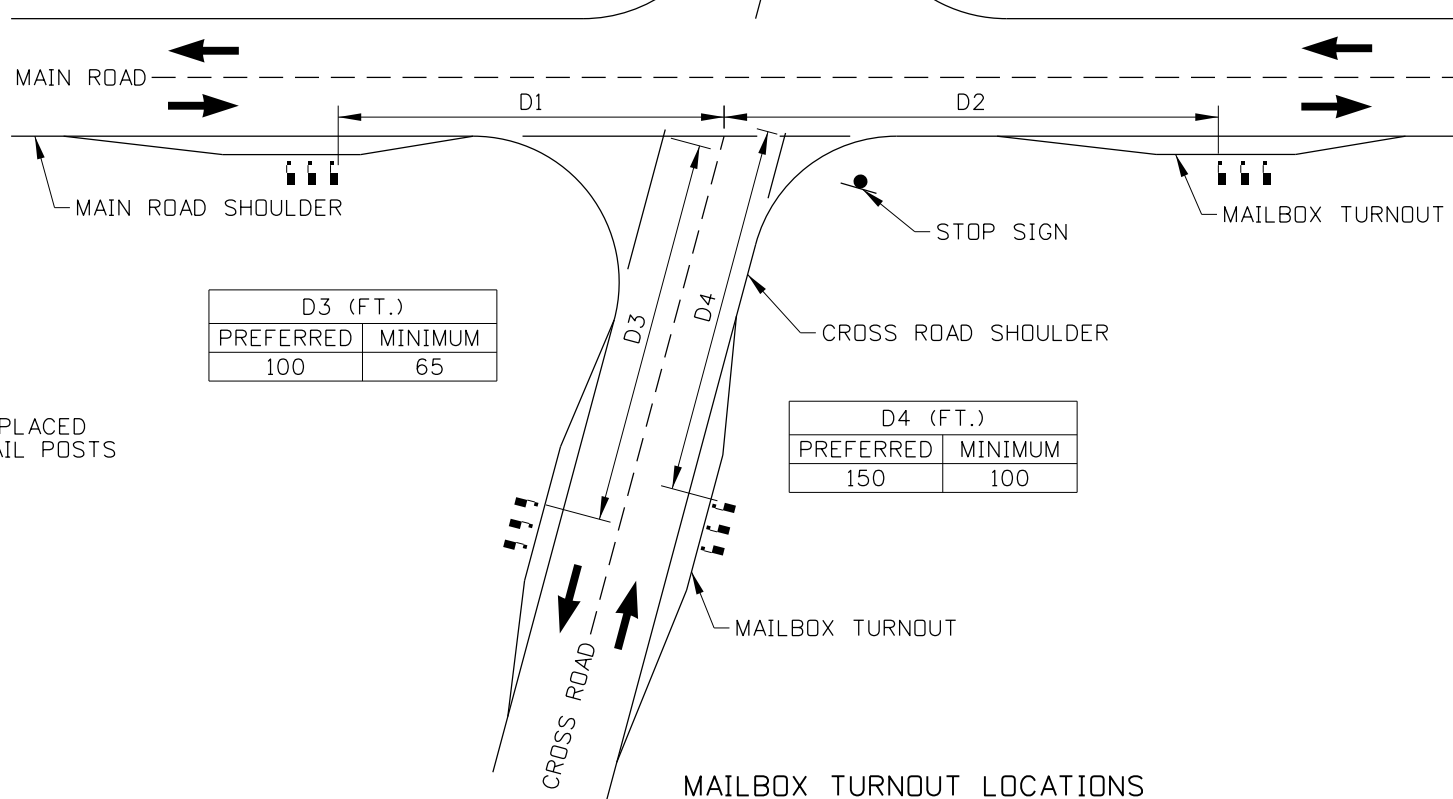
INSTALLATION ON CURBED RESIDENTIAL STREET

TYPICAL MAILBOX INSTALLATIONS

THROUGH ROAD SPEED (MPH)	* D1 (FT.)	
	$nV_c V_m \leq 4000$	$nV_c V_m > 4000$
35	65	200
>55	65	295

THROUGH ROAD SPEED (MPH)	* D2 (FT.)		
	$V_c \leq 50$	$50 < V_c \leq 400$	$V_c > 400$
35	65	100	100
>55	150	150	200

* n = NUMBER OF MAILBOXES AT MAIL STOP
 V_c = ADT ON CROSS ROAD
 V_m = ADT ON MAIN ROAD



MAILBOX TURNOUT LOCATIONS

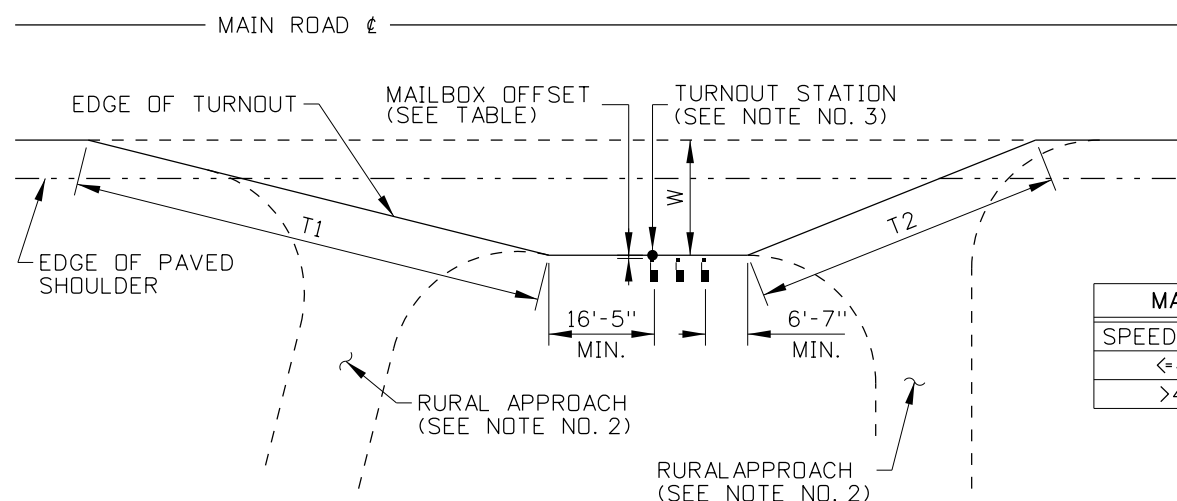
D3 (FT.)	
PREFERRED	MINIMUM
100	65

D4 (FT.)	
PREFERRED	MINIMUM
150	100

ADT	TURNOUT WIDTH (FT.)		MAILBOX OFFSET (IN.)	
	PREFERRED	MINIMUM	PREFERRED	MINIMUM
>10,000	>12	8	6 TO 8	0
1,500 TO 10,000	12	8		
400 TO 1,500	10	8		
<400	8	6		
RESIDENTIAL STREET (NO CURB)	6	0		6
RESIDENTIAL STREET (WITH CURB)	NOT APPLICABLE		8 TO 12	6

NOTES

1. LOCATE MAILBOX TURNOUT SO THAT THE TAPERS DO NOT OVERLAP THE INTERSECTION CURVE RADII.
2. CONSTRUCT MAILBOX ASSEMBLIES IN ACCORDANCE WITH STANDARD DRAWING 634-1. CONSTRUCT RURAL APPROACHES IN ACCORDANCE WITH STANDARD DRAWING 405-1.
3. MEASURE MAILBOX TURNOUT STATION AND OFFSET AT THE EDGE OF THE TURNOUT PERPENDICULAR TO THE FIRST MAILBOX.
4. NOT TO SCALE.



MAILBOX TURNOUT

MAILBOX TAPER		
SPEED (MPH)	T1	T2
<=40	4:1	2.5:1
>40	20:1	12:1

REVISIONS								
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	11-02	MSM						
2	06-05	MSM						
3	01-13	RDL						

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
 CADD FILE NAME: 405-2_0213.dgn
 DRAWING DATE: SEPTEMBER, 1993

IDAHO TRANSPORTATION DEPARTMENT



BOISE IDAHO

ORIGINAL SIGNED BY: LOREN THOMAS
 HIGHWAYS PROGRAM OVERSIGHT ENGINEER
 ORIGINAL SIGNED BY: TOM COLE
 CHIEF ENGINEER

STANDARD DRAWING

MAILBOX TURNOUT

REQUIRES STD. DWG. 405-1

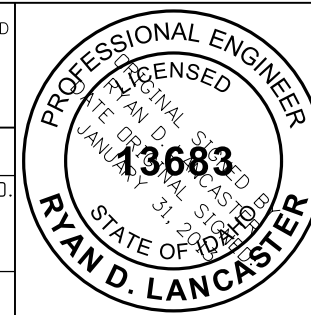
English

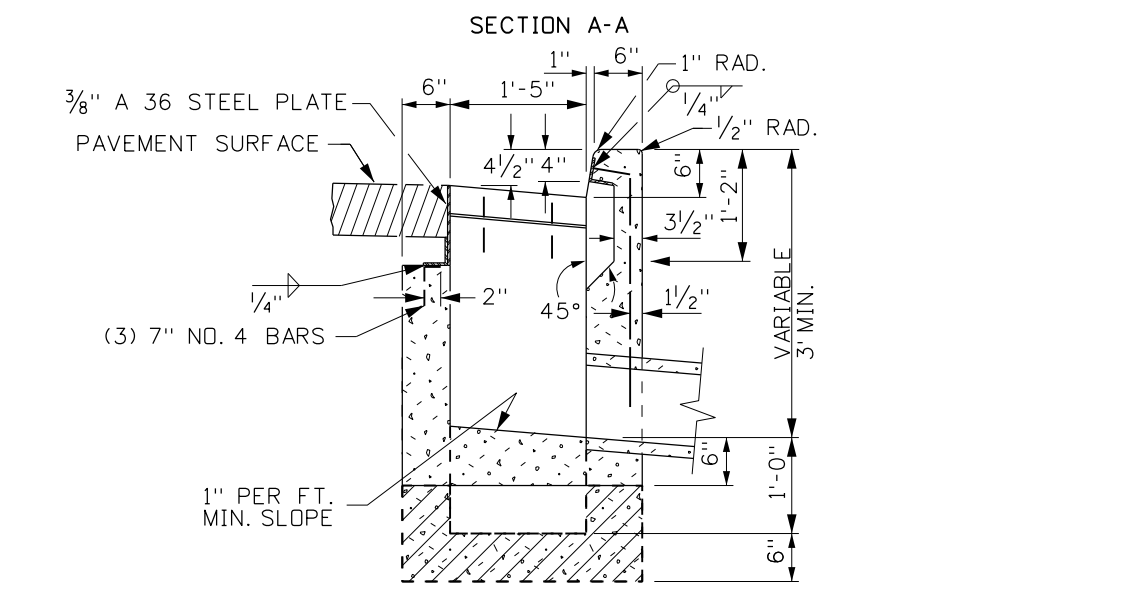
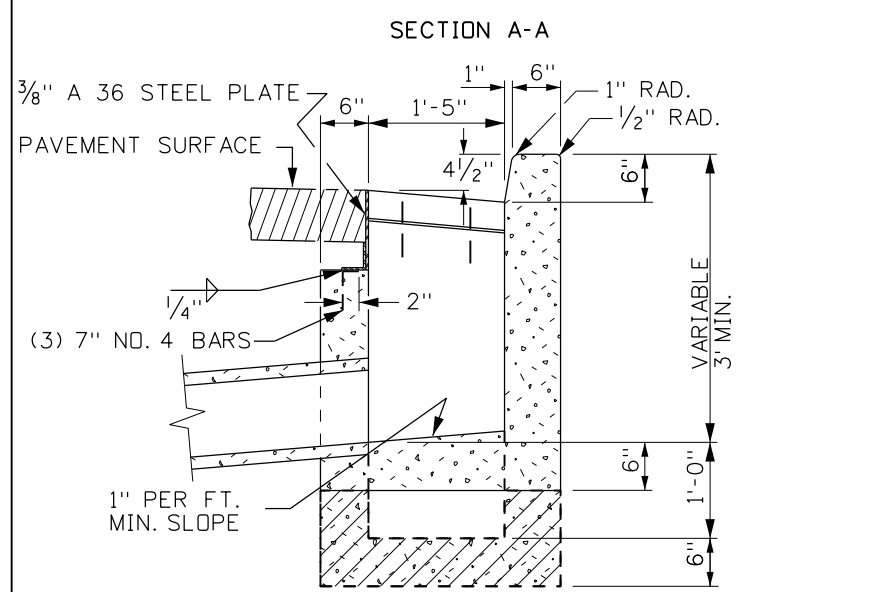
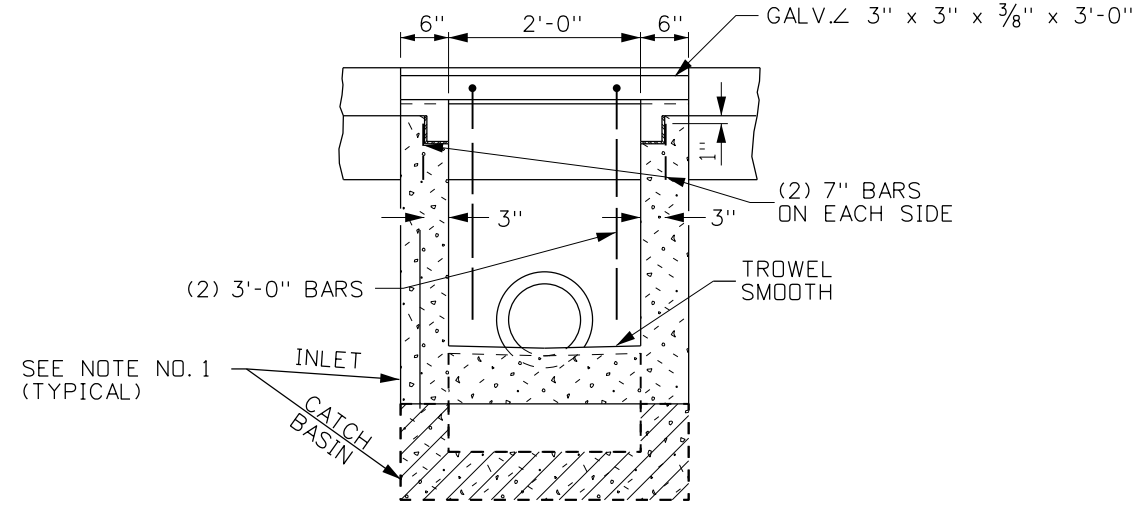
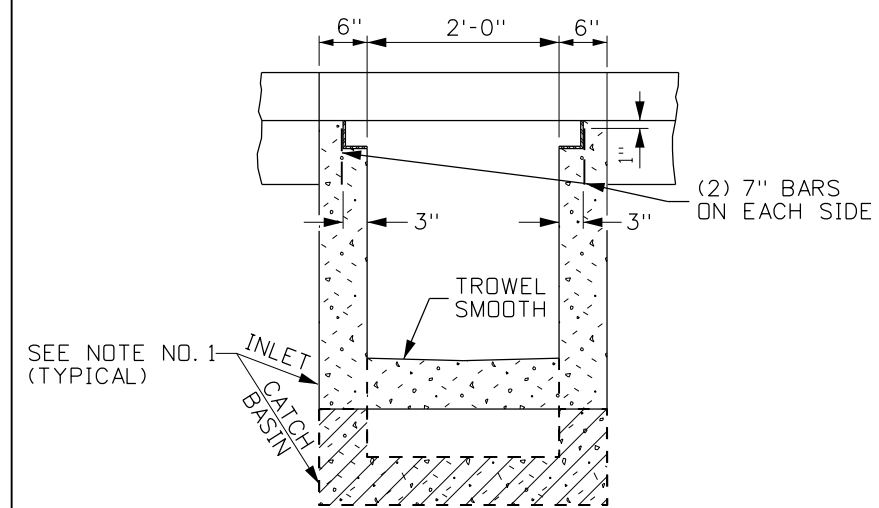
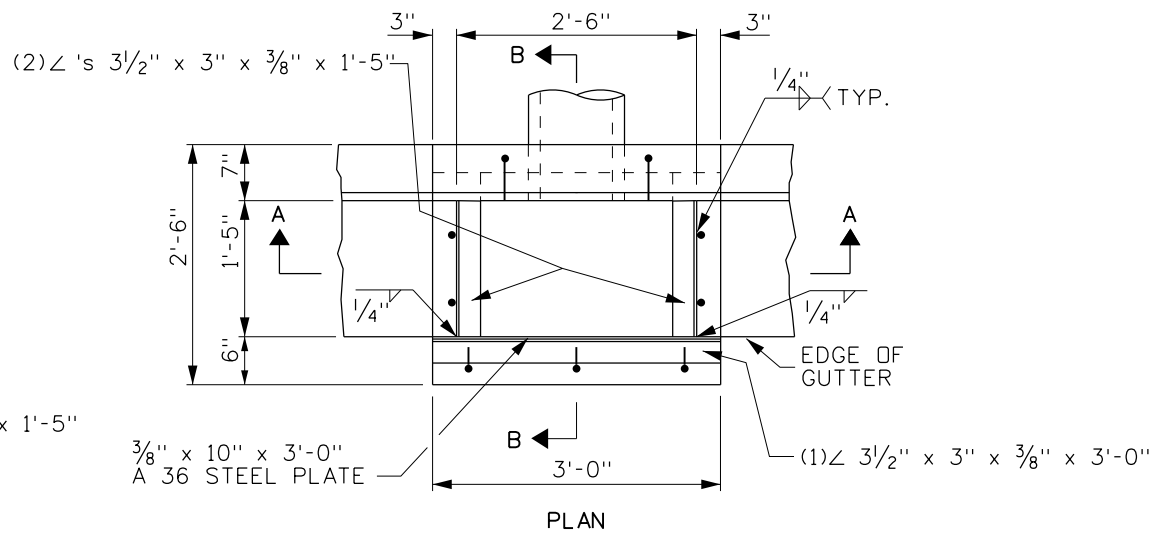
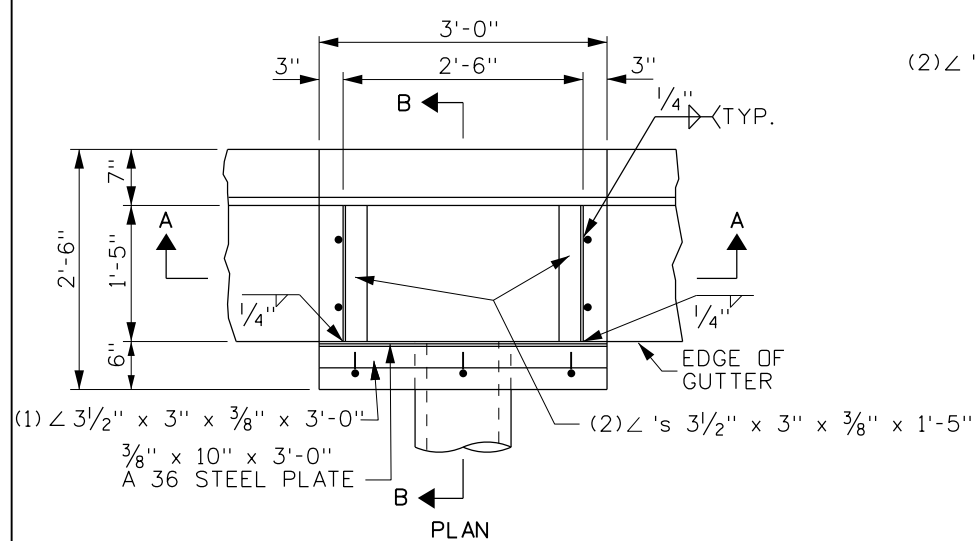
STANDARD DRAWING NO.

405-2

SHEET 1 OF 1

ORIGINAL STORED AT: ITD, Headquarters 3311 West State Boise, Idaho








SECTION B-B
INLET - TYPE 1
CATCH BASIN - TYPE 1

SECTION B-B
INLET - TYPE 2
CATCH BASIN - TYPE 2

NOTES

- PATTERNS USED IN DRAWING:
 INLET SECTIONS: 
 CATCH BASIN BOTTOMS: 
 PAVEMENT: 
- INLETS AND CATCH BASINS MAY BE EITHER PRECAST OR CAST-IN-PLACE. PRECAST UNITS SHALL MEET THE REQUIREMENTS OF ASTM C 913. (PRIOR APPROVAL OF SHOP DRAWINGS WILL BE REQUIRED ON MODIFIED UNITS.)
- A 1" SIDE DRAFT IS ALLOWED FOR FORM REMOVAL.
- CAST-IN-PLACE INLETS AND CATCH BASINS SHALL CONFORM TO SECTION 609 - MINOR STRUCTURES OF THE CURRENT ITD STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
- THE GRADE LINE OF THE TOP INSIDE OF ANY PIPE SHALL ENTER AT A POINT NO LOWER THAN THE TOP INSIDE OF THE OUTLET PIPE.
- PIPES CAN ENTER OR LEAVE THE BOX IN ANY DIRECTION. ALL CONNECTIONS AND BROKEN AREAS SHALL BE GROUTED SMOOTH.
- STEEL ANGLES SHALL BE SET SO THAT EACH BEARING BAR OF PREFABRICATED GRATE SHALL HAVE FULL BEARING ON BOTH ENDS. THE FINISHED TOP OF CONCRETE SHALL BE EVEN WITH THE ANGLE/GRATE SURFACE. THE STRUCTURAL STEEL NEED NOT BE PAINTED BUT SHALL MEET THE REQUIREMENTS OF ASTM A 36.
- ALL METAL REINFORCEMENT USED SHALL BE NO. 4 BARS. THE METAL REINFORCEMENT SHALL BE SMOOTH CUT TO ACCOMMODATE PIPES.
- GRAY IRON CAST TO THE DIMENSIONS GIVEN FOR THE STEEL GRATES MAY BE USED. THE CASTINGS SHALL CONFORM TO AASHTO M306 CLASS 35B GRAY IRON CASTINGS.
- INLET/CATCH BASIN GRATES MAY EITHER BE RESISTANCE WELDED OR ARC WELDED. IN EITHER CASE THE GRATE SHALL BE TRUE AND FLUSH.
- GRATE B WILL BE USED ONLY WHEN SPECIFIED.
- NOT TO SCALE.

REVISIONS							
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE
1	10-80		6	09-94	MSM	11	11-08
2	04-82		7	06-97	MSM		
3	03-84		8	06-01	MSM		
4	01-89	GB	9	11-04	MSM		
5	12-93	MSM	10	05-07	MSM		

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY

CADD FILE NAME: 605-20_1108.dgn

DRAWING DATE: JULY, 1961

IDAHO TRANSPORTATION DEPARTMENT



BOISE IDAHO

ORIGINAL SIGNED BY: LOREN THOMAS
ASSISTANT CHIEF ENGINEER (DEVELOPMENT)

ORIGINAL SIGNED BY: TOM COLE
CHIEF ENGINEER

STANDARD DRAWING

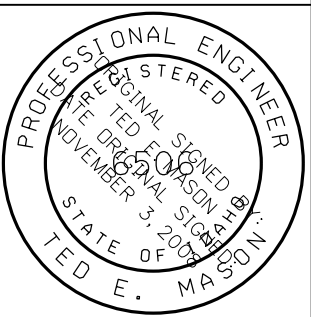
INLETS & CATCH BASINS TYPES 1, 2, & 3

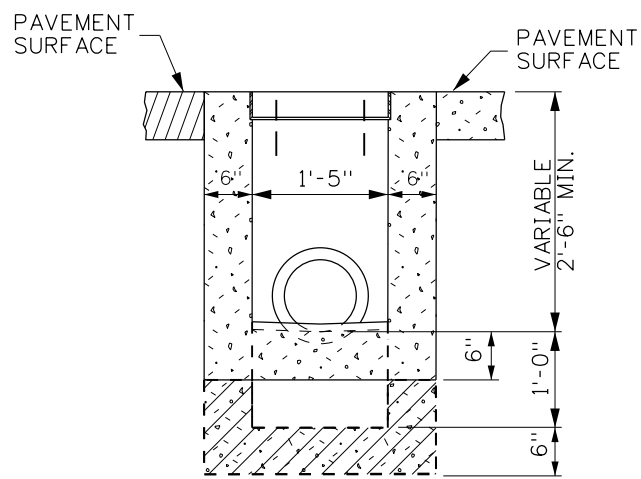
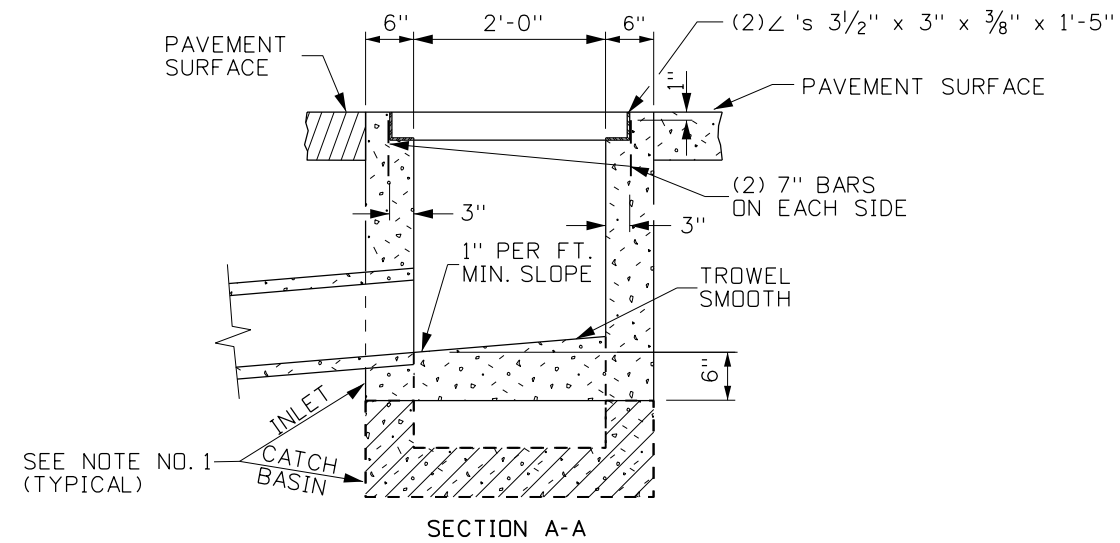
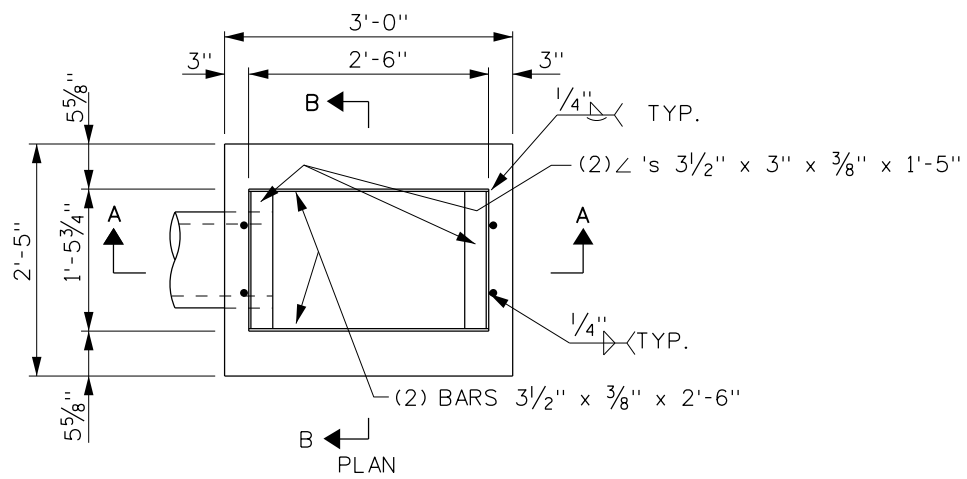
ORIGINAL STORED AT: ITD, Headquarters 3311 West State Boise, Idaho

English

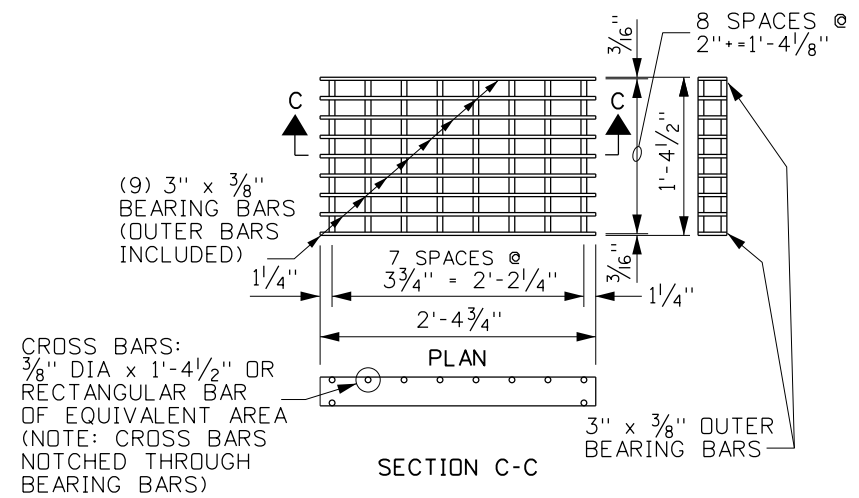
STANDARD DRAWING NO. **605-20**

SHEET 1 OF 2

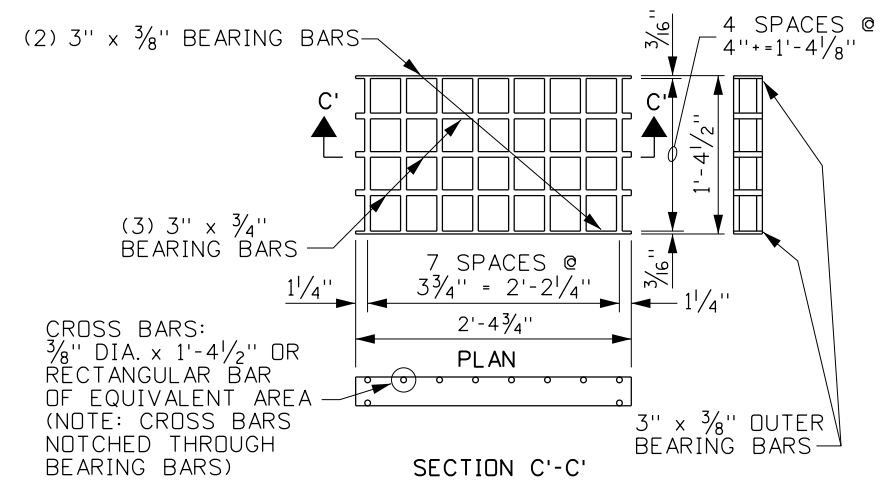




SECTION B-B
INLET - TYPE 3
CATCH BASIN - TYPE 3



SECTION C-C
GRATE A (STEEL)
(WEIGHT: APPROXIMATELY 88 LBS., SEE NOTE 9 & 10)



SECTION C'-C'
GRATE B (STEEL)
(WEIGHT: APPROXIMATELY 79 LBS., SEE NOTE 9 & 10)

REVISIONS								
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	10-80		6	09-94	MSM	11	11-08	JRV
2	04-82		7	06-97	MSM			
3	03-84		8	06-01	MSM			
4	01-89	GB	9	11-04	MSM			
5	12-93	MSM	10	05-07	MSM			

SCALES SHOWN
ARE FOR 11" X 17"
PRINTS ONLY

CADD FILE NAME:
605-20_1108.dgn

DRAWING DATE:
JULY, 1961

**IDAHO
TRANSPORTATION
DEPARTMENT**

BOISE IDAHO

ORIGINAL SIGNED BY: LOREN THOMAS
ASSISTANT CHIEF ENGINEER (DEVELOPMENT)

ORIGINAL SIGNED BY: TOM COLE
CHIEF ENGINEER

STANDARD DRAWING

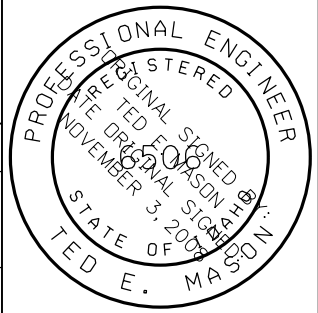
**INLETS & CATCH BASINS
TYPES 1, 2, & 3**

English

STANDARD DRAWING NO.
605-20

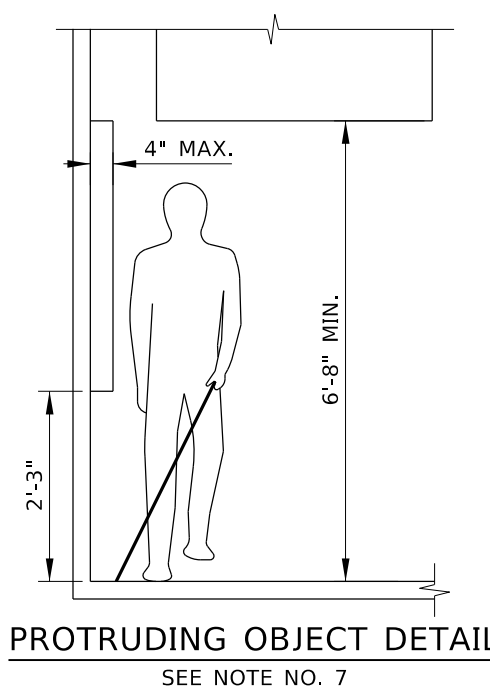
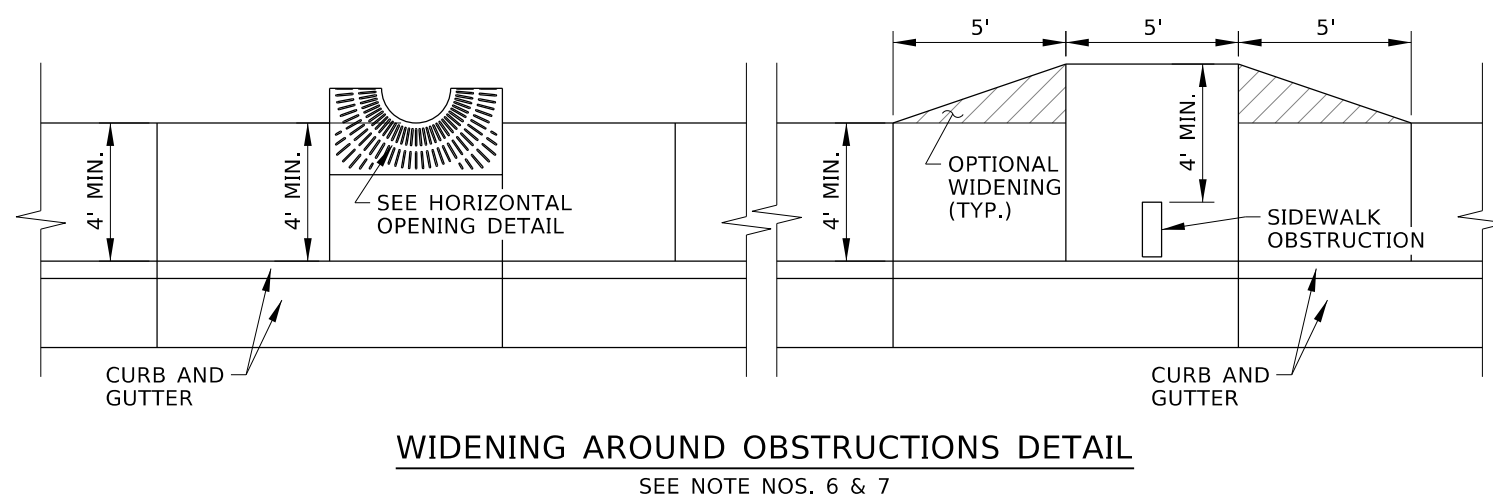
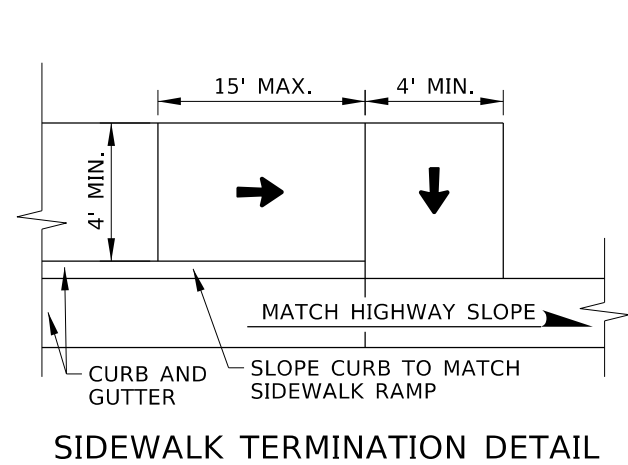
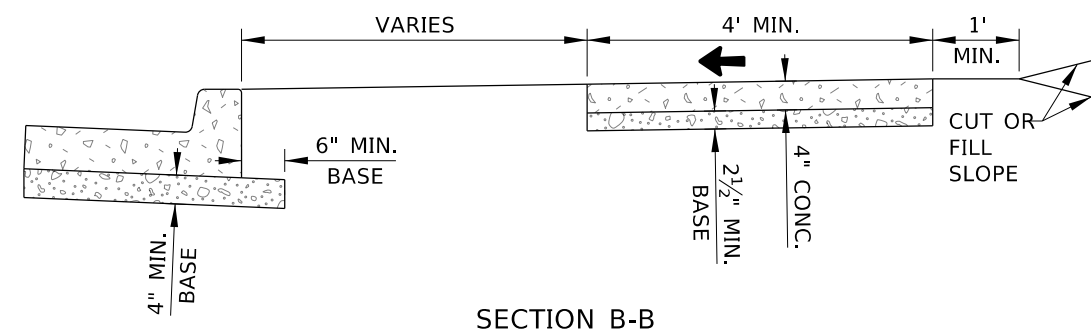
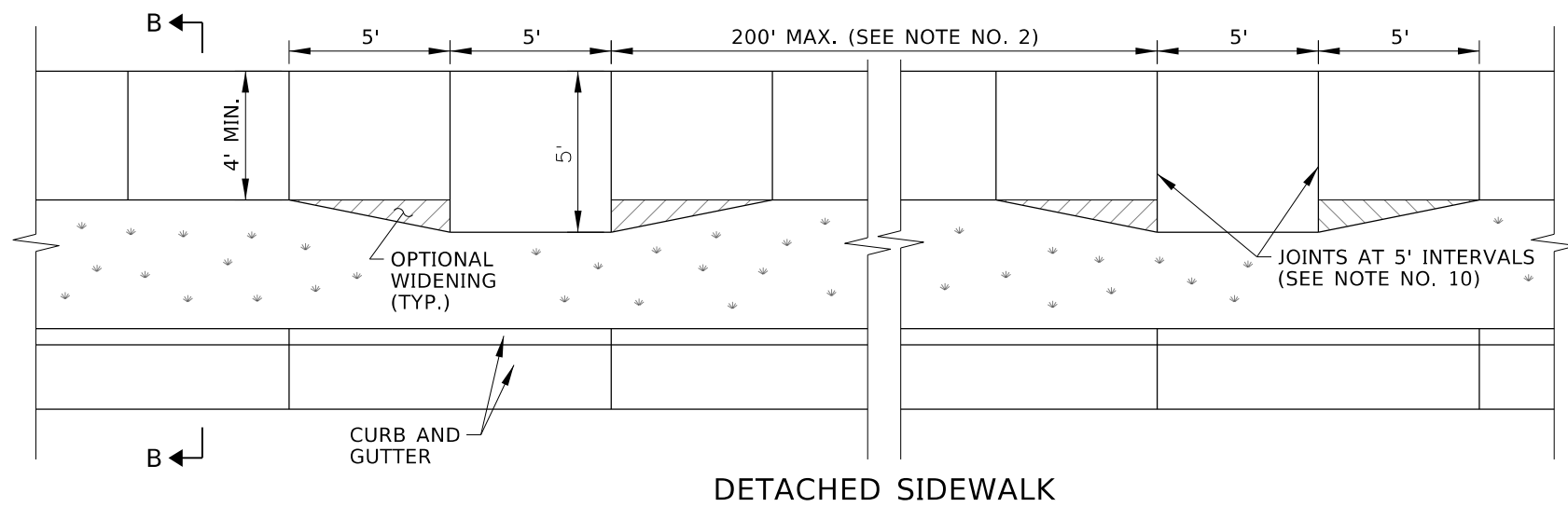
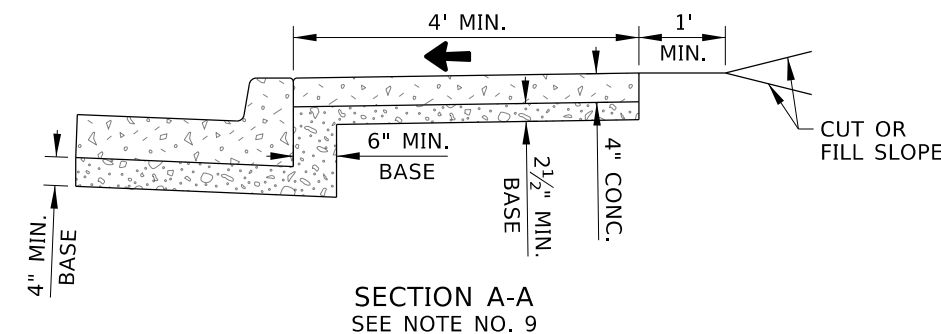
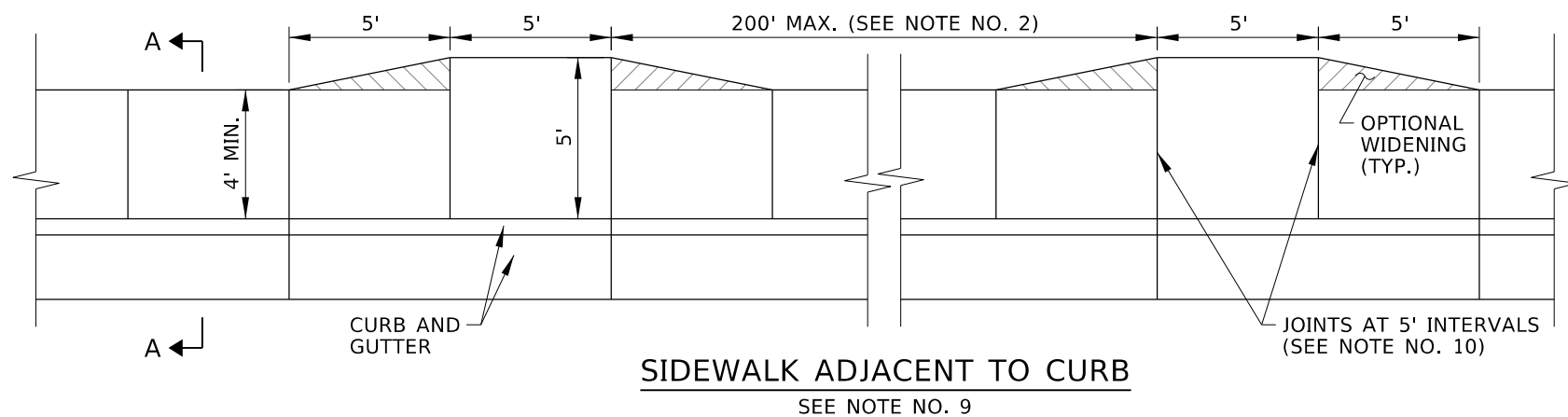
SHEET 2 OF 2

ORIGINAL STORED
AT: ITD,
Headquarters
3311 West State
Boise, Idaho



SYMBOL LEGEND

- ← 1.0% TO 2.0% SLOPE
- ← 5.0% TO 8.3% RUNNING SLOPE, 2.0% OR FLATTER CROSS SLOPE



REVISIONS								
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	03-25	RDL						

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY

CADD FILE NAME: 614-1_0425.dgn

DRAWING DATE: MAY, 2015

IDAHO TRANSPORTATION DEPARTMENT

YOUR Safety→YOUR Mobility→YOUR Economic Opportunity

BOISE IDAHO



ORIGINAL SIGNED BY: MONICA CRIDER

HIGHWAY DESIGN ENGINEER

STANDARD DRAWING

SIDEWALKS

ENGLISH

STANDARD DRAWING NO. 614-1

SHEET 1 OF 2

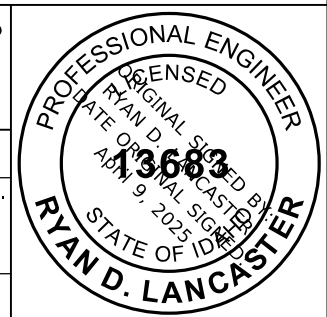
ORIGINAL STORED AT: ITD, Headquarters 3311 West State Boise, Idaho

PROFESSIONAL ENGINEER

RYAN D. LANCASTER

3683

STATE OF IDAHO



SYMBOL LEGEND

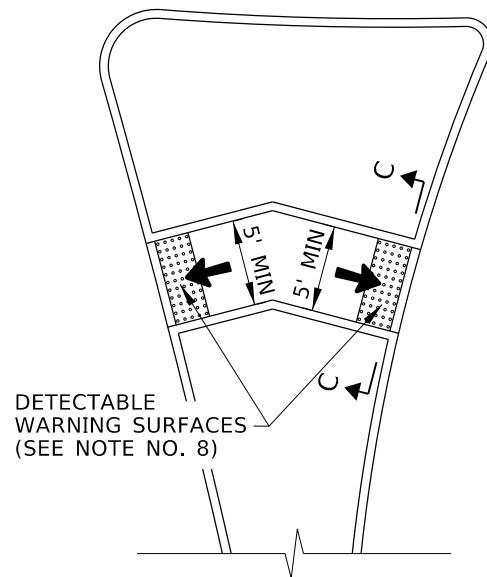
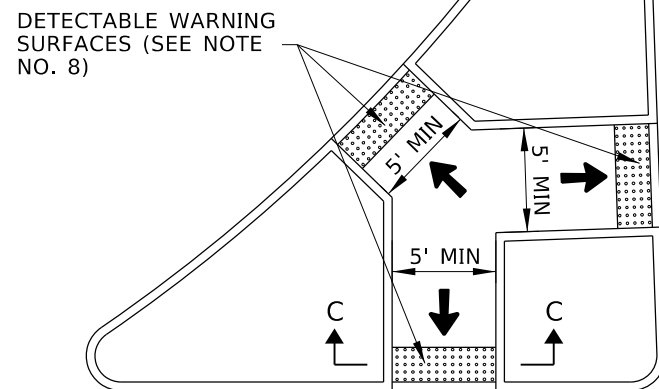
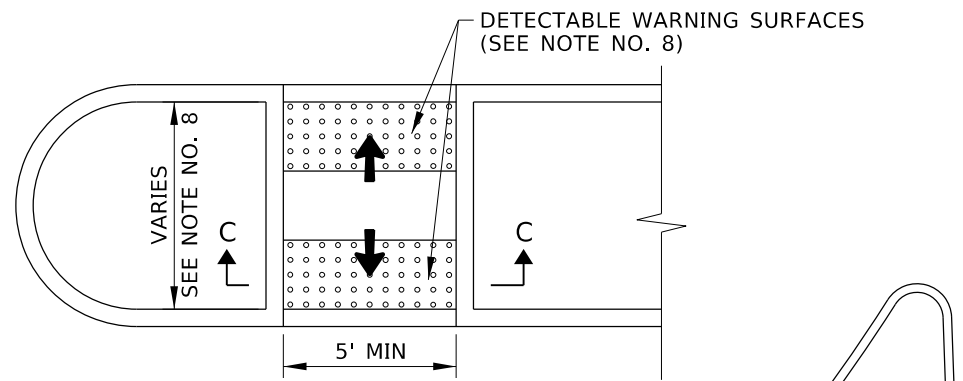
- ← 1.0% TO 2.0% SLOPE
- ← 5.0% TO 8.3% RUNNING SLOPE, 2.0% OR FLATTER CROSS SLOPE

NOTES

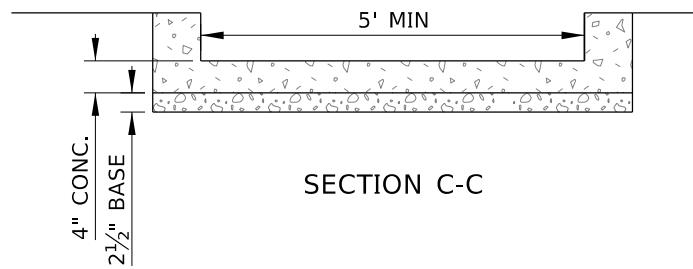
1. SIDEWALKS MAY CONSIST OF A PEDESTRIAN CIRCULATION PATH AND A PEDESTRIAN ACCESS ROUTE. THE PEDESTRIAN CIRCULATION PATH IS A PREPARED SURFACE PROVIDED FOR PEDESTRIAN TRAVEL IN THE PUBLIC RIGHT-OF-WAY. THE PEDESTRIAN ACCESS ROUTE IS A CONTINUOUS AND UNOBSTRUCTED PATH OF TRAVEL PROVIDED FOR PEDESTRIANS WITH DISABILITIES WITHIN OR COINCIDING WITH A PEDESTRIAN CIRCULATION PATH.
2. PROVIDE AT LEAST 4' OF CONTINUOUS CLEAR WIDTH OF PEDESTRIAN ACCESS ROUTE, EXCLUSIVE OF THE CURB WIDTH. WHERE SIDEWALKS ARE WIDER THAN 4', ONLY A PORTION OF THE SIDEWALK IS REQUIRED TO BE PART OF THE PEDESTRIAN ACCESS ROUTE.

PROVIDE A PASSING SPACE AT 200' OR SHORTER INTERVALS WHEN THE CLEAR WIDTH OF THE PEDESTRIAN ACCESS ROUTE IS LESS THAN 5'. ENSURE THAT THE DIMENSIONS OF THE PASSING SPACE ARE AT LEAST 5' BY 5'. INTERSECTING SIDEWALKS, DRIVEWAYS, AND ALLEYS MAY BE USED AS PASSING SPACES.
3. ENSURE THAT THE GRADE OF THE PEDESTRIAN ACCESS ROUTE DOES NOT EXCEED THE GENERAL GRADE ESTABLISHED FOR THE ADJACENT HIGHWAY.
4. ENSURE THAT THE CROSS SLOPE OF THE PEDESTRIAN ACCESS ROUTE WITHIN THE SIDEWALK DOES NOT EXCEED TWO PERCENT.
5. VERTICAL SURFACE DISCONTINUITIES MAY OCCASIONALLY OCCUR AT EXPANSION JOINTS, UTILITY COVERS, VAULT FRAMES, AND GRATINGS WITHIN THE SIDEWALK. ENSURE THAT VERTICAL SURFACE DISCONTINUITIES DO NOT EXCEED 1/2". BEVEL VERTICAL SURFACE DISCONTINUITIES BETWEEN 1/4" - 1/2" WITH A 2:1 SLOPE ACROSS THE ENTIRE VERTICAL SURFACE DISCONTINUITY.
6. ENSURE THAT HORIZONTAL OPENINGS IN GRATINGS AND JOINTS DO NOT PERMIT PASSAGE OF A SPHERE MORE THAN 1/2" IN DIAMETER.
7. OBJECTS PROTRUDING INTO OR OVERHANGING A PEDESTRIAN CIRCULATION PATH MUST NOT REDUCE THE MINIMUM CLEAR WIDTH OF THE PEDESTRIAN ACCESS ROUTE. PROTRUDING OBJECTS INCLUDE STREET FURNITURE, STREET LIGHTS, UTILITY POLES, EQUIPMENT CABINETS, SIGN POSTS AND SIGNS, PARKING METERS, TRASH RECEPTACLES, PUBLIC TELEPHONES, MAILBOXES, NEWSPAPER VENDING MACHINES, BENCHES, TRANSIT SHELTERS, KIOSKS, BICYCLE RACKS, PLANTERS AND PLANTED TREES, AND STREET SCULPTURES.

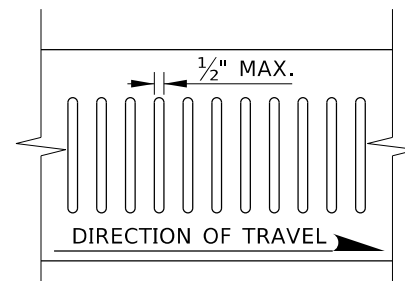
ENSURE THAT OBJECTS WITH LEADING EDGES BETWEEN 2'-3" AND 6'-8" ABOVE THE FINISH SURFACE DO NOT PROTRUDE MORE THAN 4" HORIZONTALLY INTO THE PEDESTRIAN CIRCULATION PATH.
8. PROVIDE DETECTABLE WARNING SURFACES ON PEDESTRIAN REFUGE ISLANDS WITH CURB RAMPS OR WHEN CUT-THROUGH AT STREET LEVEL AND REFUGE ISLAND WIDTHS ARE GREATER THAN SIX FEET IN THE DIRECTION OF PEDESTRIAN TRAVEL. DO NOT INSTALL DETECTABLE WARNING SURFACES AT PEDESTRIAN REFUGE ISLANDS THAT ARE CUT-THROUGH AT STREET LEVEL AND ARE LESS THAN SIX FEET IN WIDTH IN THE DIRECTION OF PEDESTRIAN TRAVEL. SEE STANDARD DRAWING 614-3 FOR DETECTABLE WARNING SURFACE DETAILS.
9. USE A BOND PREVENTATIVE BETWEEN THE SIDEWALK AND CURB WHEN CONSTRUCTED SEPARATELY AND PLACED ADJACENT TO EACH OTHER.
10. CONSTRUCT CONTRACTION, ISOLATION OR EXPANSION JOINTS.
 - A. CONSTRUCT CONTRACTION JOINTS AT 5' INTERVALS THAT ARE APPROXIMATELY 1/8" WIDE AND 3/4" DEEP FOR THE WIDTH OF THE SIDEWALK.
 - B. CONSTRUCT ISOLATION OR EXPANSION JOINTS WITH PREFORMED EXPANSION JOINT FILLER AT RADI TERMINI POINTS AND BETWEEN STRUCTURES AND FEATURES PROJECTING THROUGH, INTO, OR AGAINST THE SIDEWALK SUCH AS CATCH BASINS, MANHOLES, POLE FOUNDATIONS, AND JUNCTION BOXES. PROVIDE 1/4" MINIMUM WIDTH FOR ISOLATION OR EXPANSION JOINTS. DO NOT USE WOOD AS A CONTRACTION OR ISOLATION JOINT.
11. DRAWING NOT TO SCALE.



PEDESTRIAN REFUGE ISLAND DETAILS

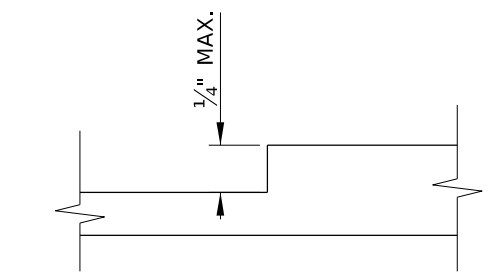


SECTION C-C

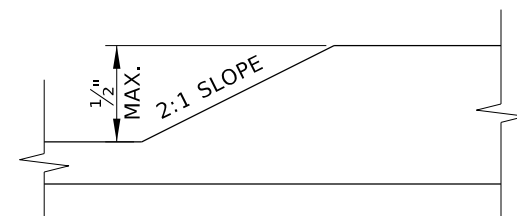


HORIZONTAL OPENING DETAIL

SEE NOTE NO. 6



VERTICAL DISCONTINUITY OF 1/4\"/>



VERTICAL DISCONTINUITY BETWEEN 1/4\"/>

VERTICAL SURFACE DISCONTINUITY DETAIL

SEE NOTE NO. 5

REVISIONS								
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	03-25	RDL						

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
 CADD FILE NAME: 614-1_0425.dgn
 DRAWING DATE: MAY, 2015

IDAHO TRANSPORTATION DEPARTMENT
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BOISE IDAHO

ORIGINAL SIGNED BY: MONICA CRIDER
 HIGHWAY DESIGN ENGINEER

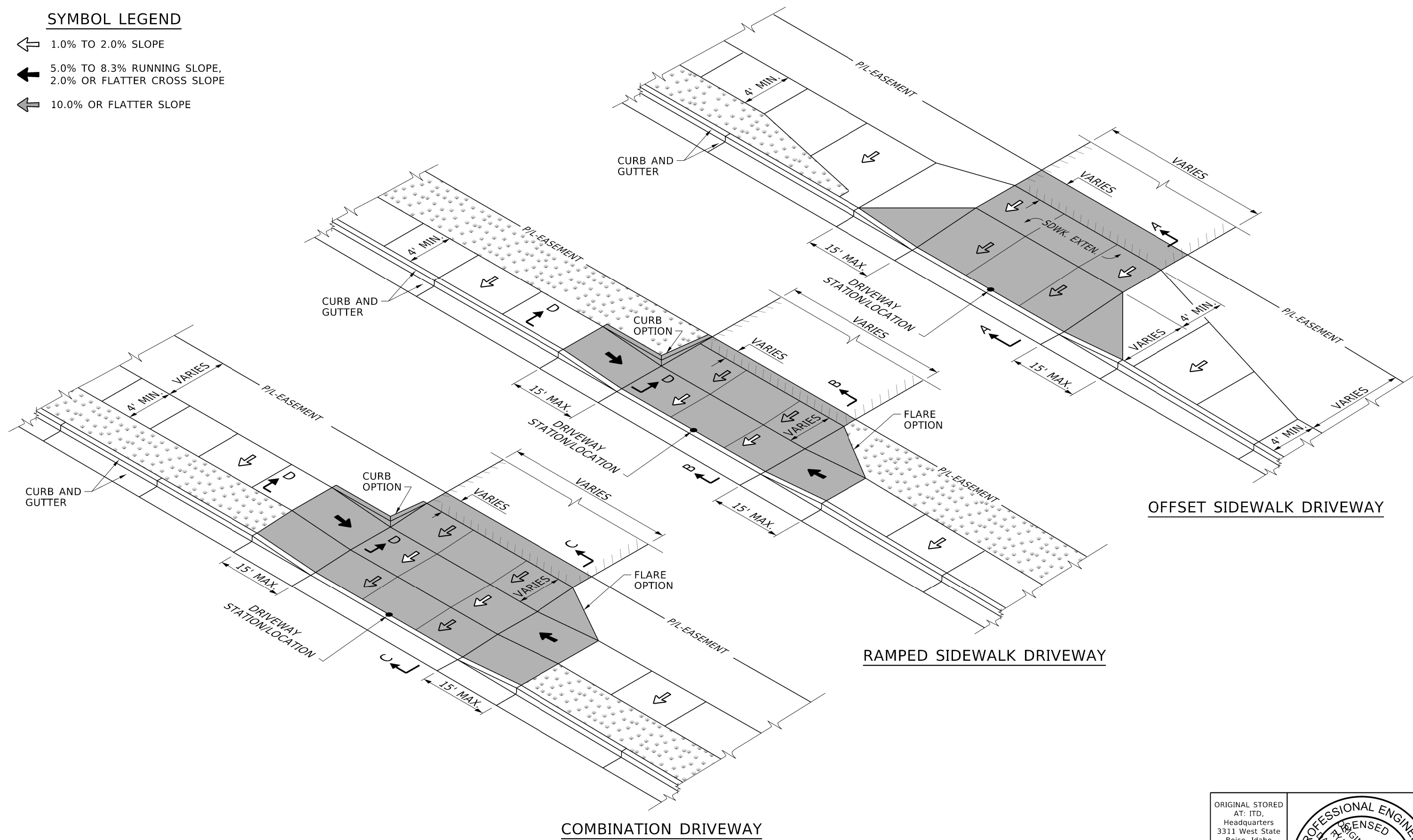
STANDARD DRAWING
SIDEWALKS

ENGLISH
 STANDARD DRAWING NO.
614-1
 SHEET 2 OF 2

ORIGINAL STORED AT: ITD, Headquarters 3311 West State Boise, Idaho

SYMBOL LEGEND

- ↔ 1.0% TO 2.0% SLOPE
- ↖ 5.0% TO 8.3% RUNNING SLOPE,
2.0% OR FLATTER CROSS SLOPE
- ↗ 10.0% OR FLATTER SLOPE

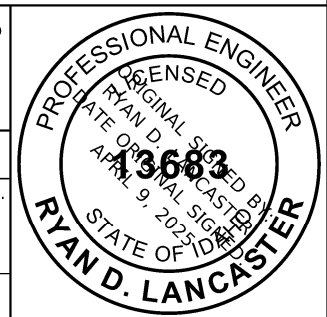


OFFSET SIDEWALK DRIVEWAY

RAMPED SIDEWALK DRIVEWAY

COMBINATION DRIVEWAY

ORIGINAL STORED
AT: ITD,
Headquarters
3311 West State
Boise, Idaho



REVISIONS									
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY	
1	11-90	GB	6	05-06	MSM				
2	09-93	MSM	7	05-07	MSM				
3	12-94	MSM	8	07-10	JAW				
4	09-02	MSM	9	04-15	EG				
5	06-04	MSM	10	04-25	RDL				

SCALES SHOWN
ARE FOR 11" X 17"
PRINTS ONLY

CADD FILE NAME:
614-2_0425.dgn

DRAWING DATE:
APRIL, 1990

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TRANSPORTATION
DEPARTMENT**



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BOISE IDAHO

ORIGINAL SIGNED BY: MONICA CRIDER
HIGHWAY DESIGN ENGINEER

STANDARD DRAWING
DRIVEWAYS

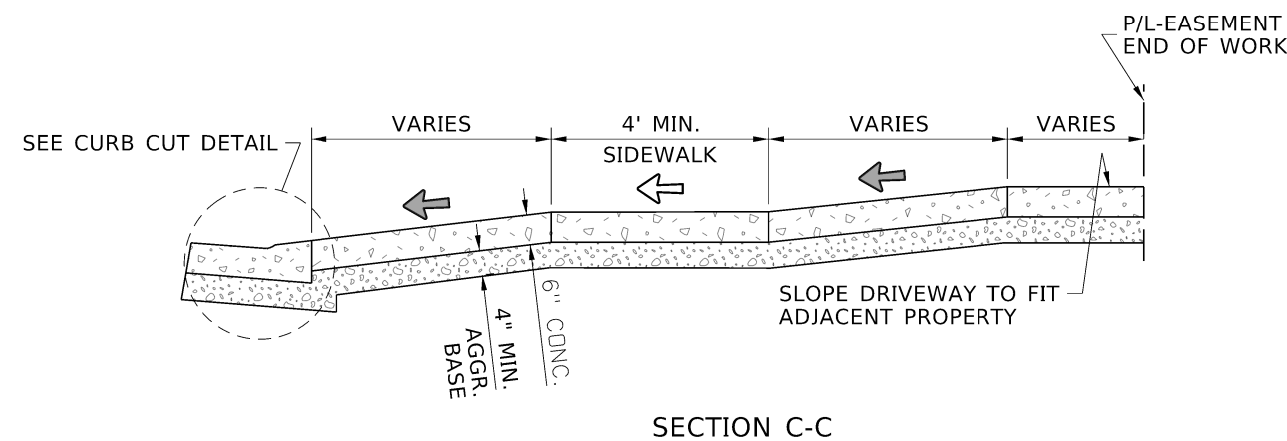
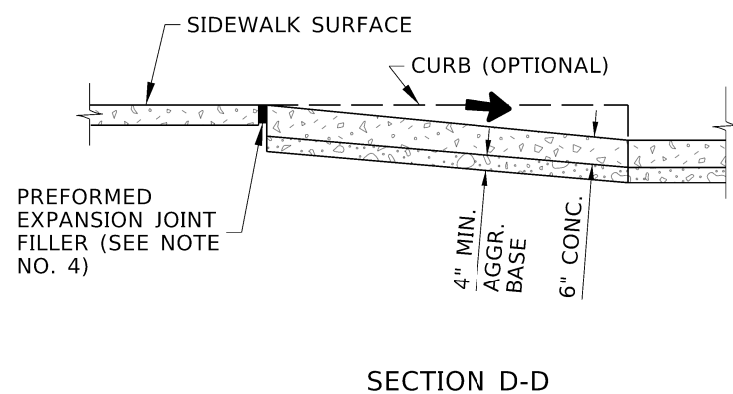
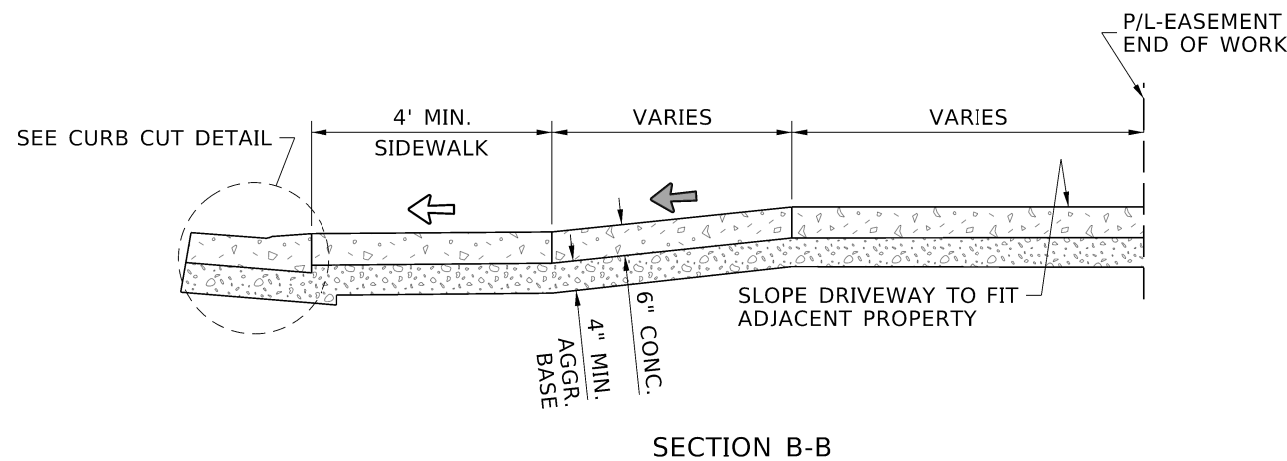
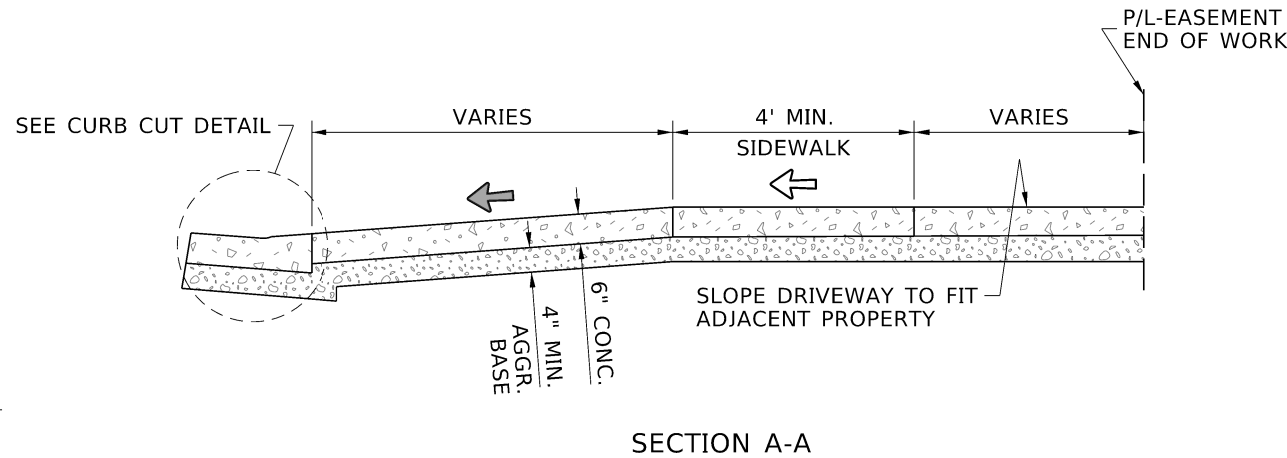
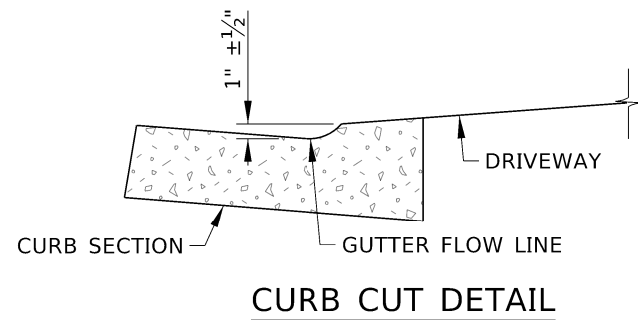
ENGLISH

STANDARD DRAWING NO.
614-2

SHEET **1** OF **2**

SYMBOL LEGEND

- ↖ 1.0% TO 2.0% SLOPE
- ↙ 5.0% TO 8.3% RUNNING SLOPE,
2.0% OR FLATTER CROSS SLOPE
- ↖ 10.0% OR FLATTER SLOPE



NOTES

1. EXTENTS OF DRIVEWAY PAY ITEMS ARE SHOWN IN GRAY SHADING.
2. SEE THE SIDEWALKS STANDARD DRAWING FOR NOTES RELATED TO THE PEDESTRIAN ACCESS ROUTE.
3. DO NOT PLACE DETECTABLE WARNING SURFACES ON DRIVEWAYS.
4. USE A BOND PREVENTATIVE BETWEEN THE DRIVEWAY OR SIDEWALK AND CURB WHEN CONSTRUCTED SEPARATELY AND PLACED ADJACENT TO EACH OTHER.
5. CONSTRUCT CONTRACTION, ISOLATION OR EXPANSION JOINTS.
 - A. CONSTRUCT CONTRACTION JOINTS AT 5' INTERVALS THAT ARE APPROXIMATELY 1/8" WIDE AND 3/4" DEEP.
 - B. CONSTRUCT ISOLATION OR EXPANSION JOINTS WITH PREFORMED EXPANSION JOINT FILLER AT RADII TERMINI POINTS AND BETWEEN STRUCTURES AND FEATURES PROJECTING THROUGH, INTO, OR AGAINST THE DRIVEWAY SUCH AS CATCH BASINS, MANHOLES, POLE FOUNDATIONS, AND JUNCTION BOXES. PROVIDE 1/4" MINIMUM WIDTH FOR ISOLATION OR EXPANSION JOINTS. DO NOT USE WOOD AS A CONTRACTION OR ISOLATION JOINT.
6. DRAWING NOT TO SCALE.

REVISIONS									
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY	
1	11-90	GB	6	05-06	MSM				
2	09-93	MSM	7	05-07	MSM				
3	12-94	MSM	8	07-10	JAW				
4	09-02	MSM	9	04-15	EG				
5	06-04	MSM	10	04-25	RDL				

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY

CADD FILE NAME: 614-2_0425.dgn

DRAWING DATE: APRIL, 1990

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BOISE IDAHO



ORIGINAL SIGNED BY: MONICA CRIDER

HIGHWAY DESIGN ENGINEER

STANDARD DRAWING

DRIVEWAYS

ENGLISH

STANDARD DRAWING NO. 614-2

SHEET 2 OF 2

ORIGINAL STORED AT: ITD, Headquarters 3311 West State Boise, Idaho

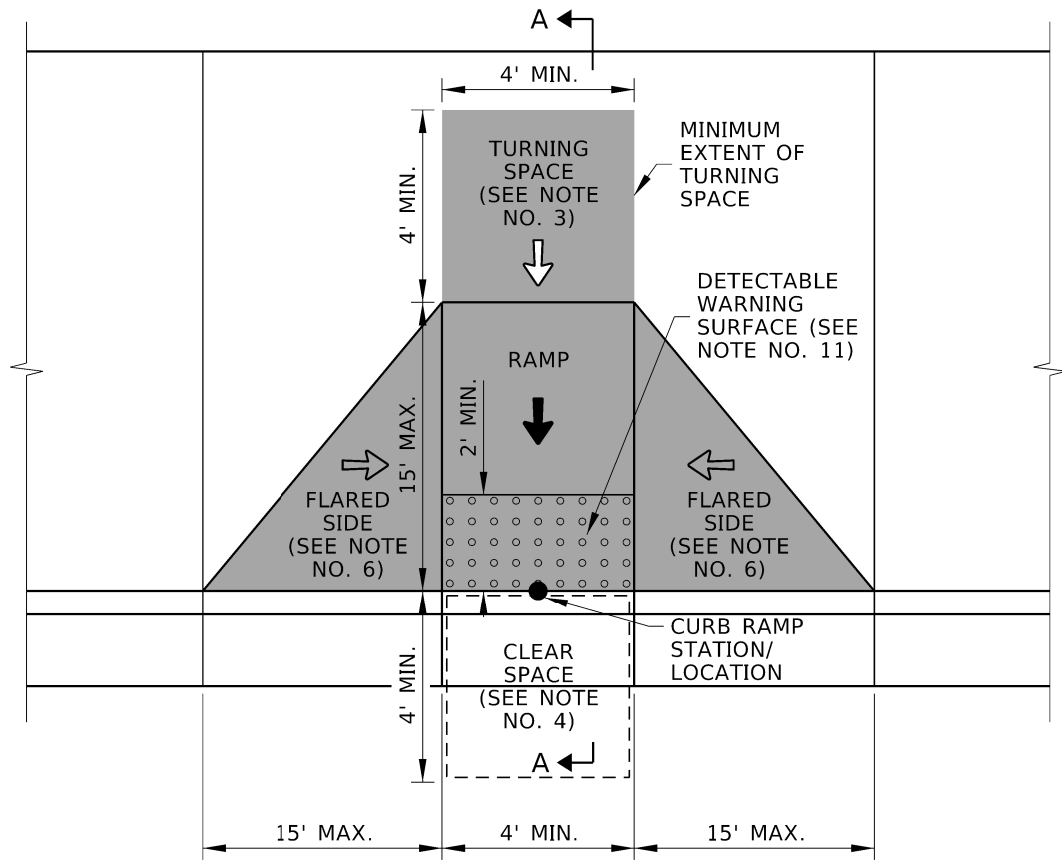
PROFESSIONAL ENGINEER

RYAN D. LANCASTER

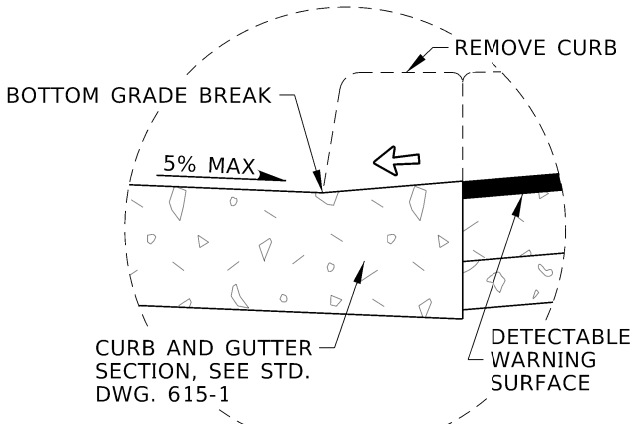
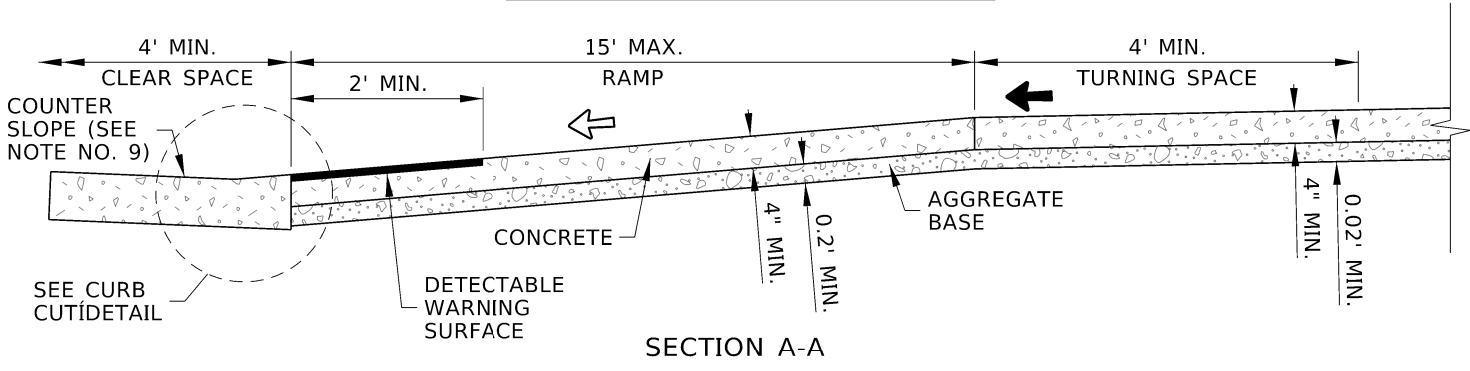
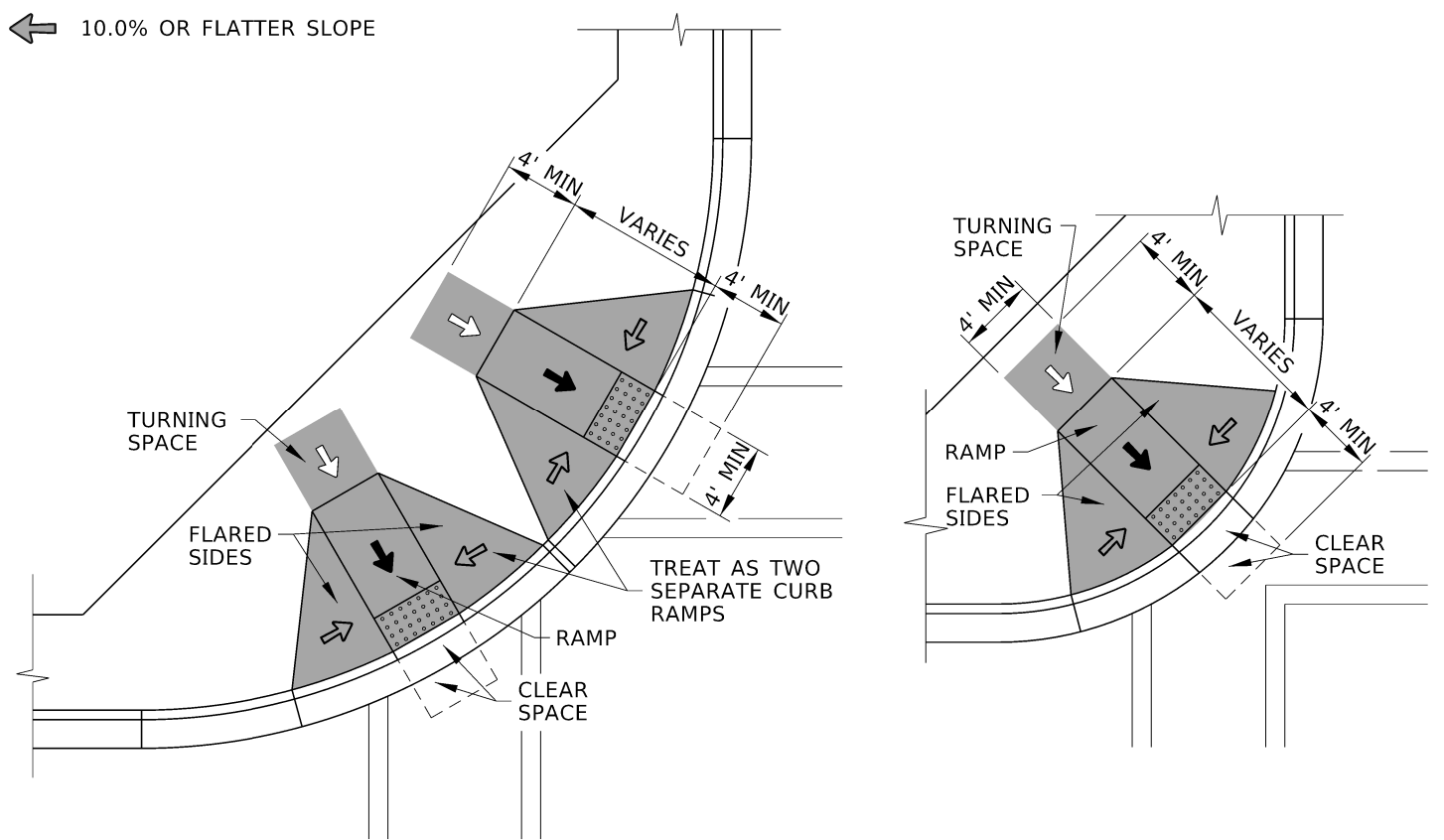
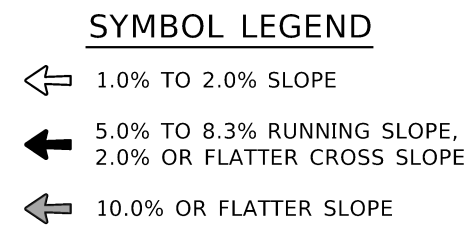
13683

APRIL 9, 2023

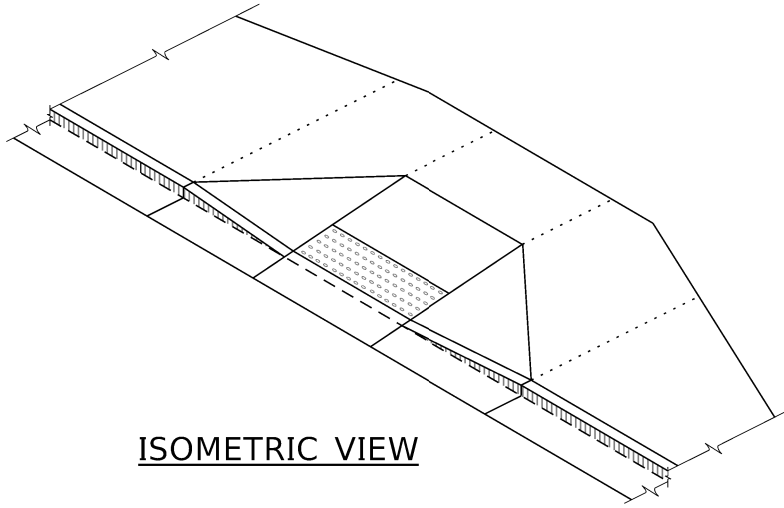
STATE OF IDAHO



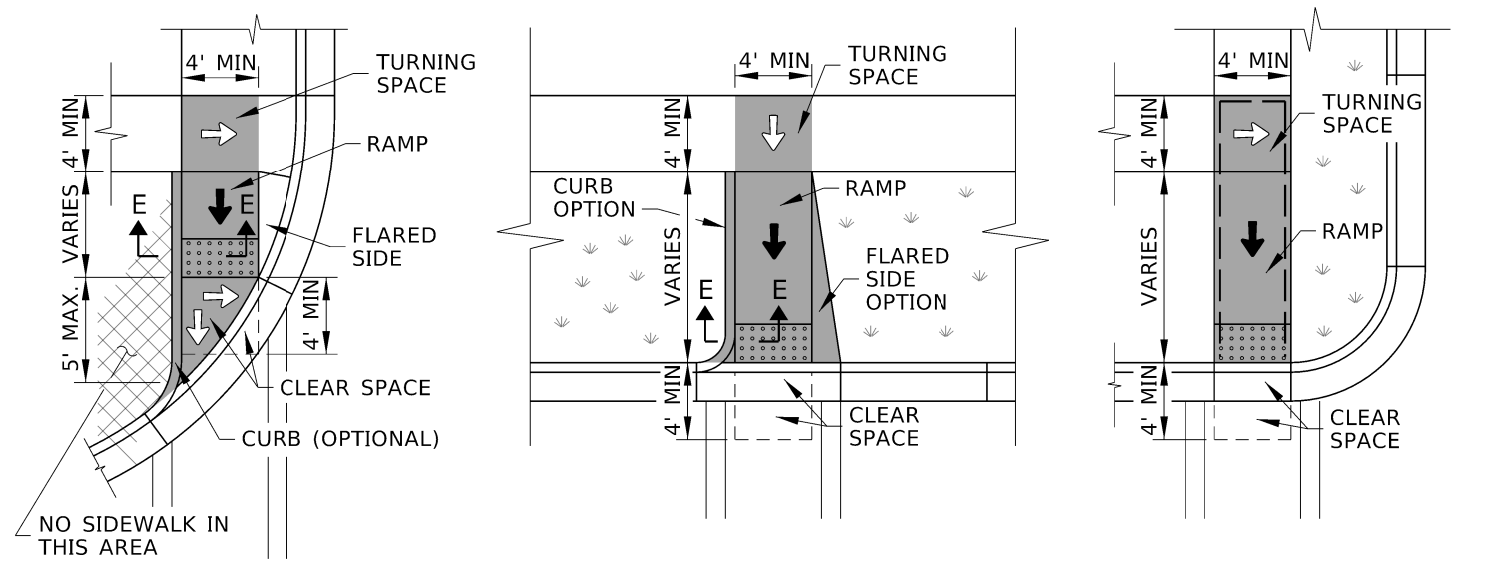
PERPENDICULAR CURB RAMP



CURB CUT DETAIL



ISOMETRIC VIEW



EXAMPLE APPLICATIONS

REVISIONS								
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	09-93	MSM	6	07-03	MSM	11	07-10	JAW
2	12-95	MSM	7	12-04	MSM	12	09-11	TEM
3	06-98	MSM	8	06-05	MSM	13	05-15	RDL
4	08-01	MSM	9	05-06	MSM	14	04-25	RDL
5	10-02	MSM	10	05-07	MSM			

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY

CADD FILE NAME: 614-3_0425.dgn

DRAWING DATE: JUNE, 1990

IDAHO TRANSPORTATION DEPARTMENT

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BOISE IDAHO

ORIGINAL SIGNED BY: MONICA CRIDER
HIGHWAY DESIGN ENGINEER

STANDARD DRAWING
CURB RAMPS

ENGLISH

STANDARD DRAWING NO.
614-3

SHEET 1 OF 4

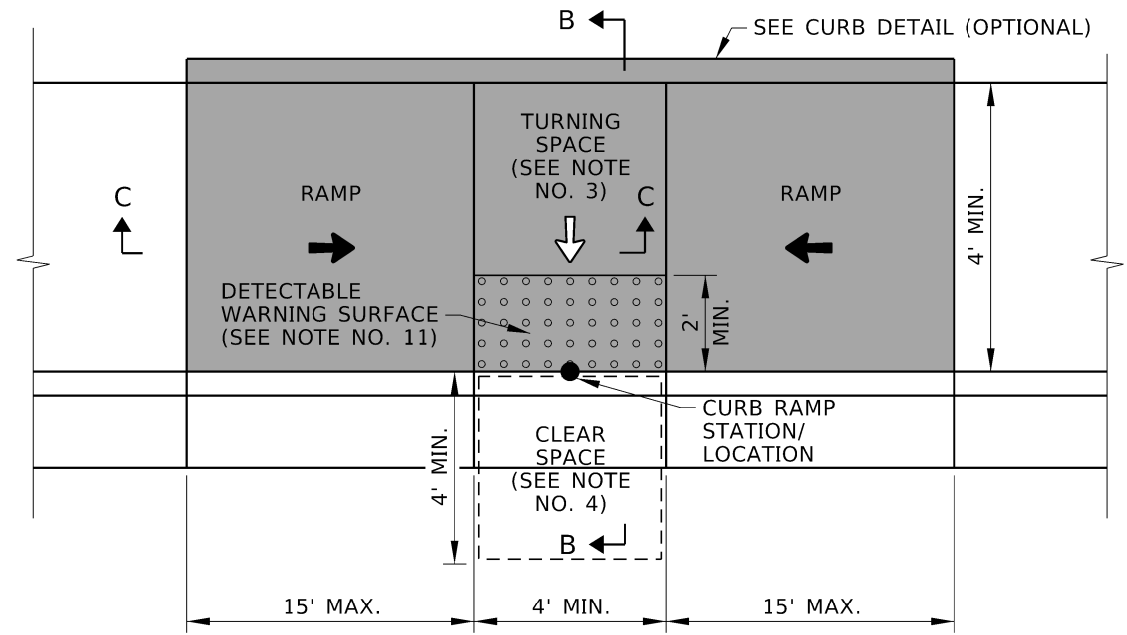
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PROFESSIONAL ENGINEER

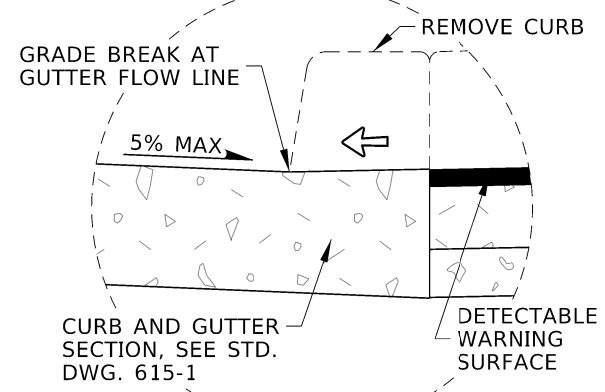
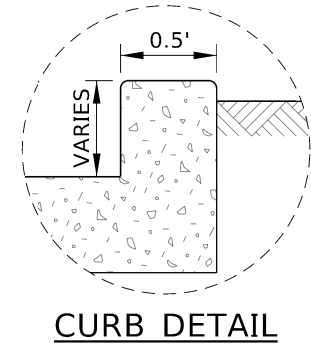
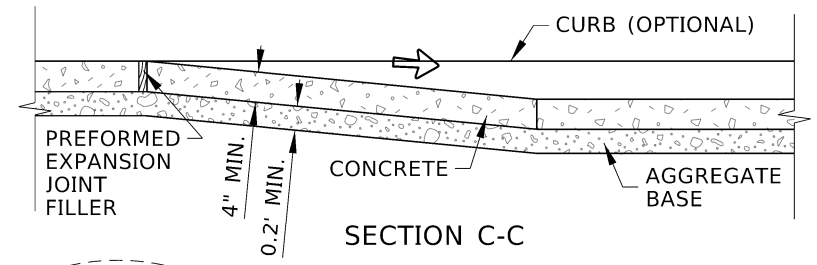
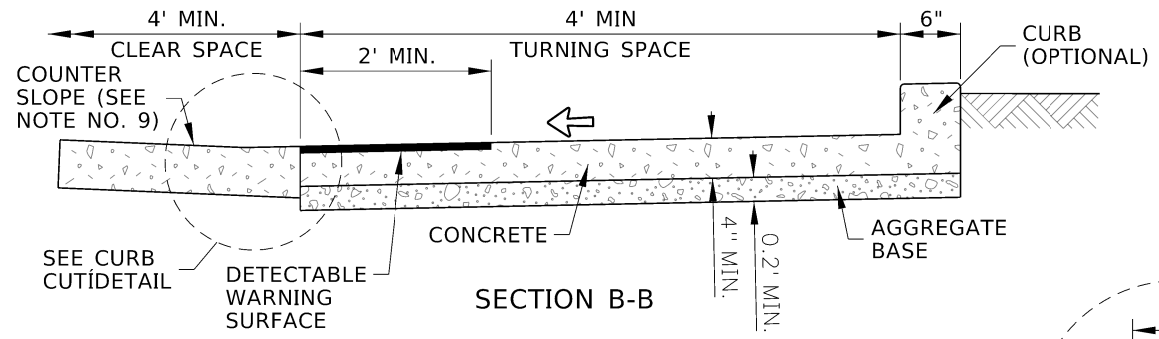
RYAN D. LANCASTER

STATE OF IDAHO

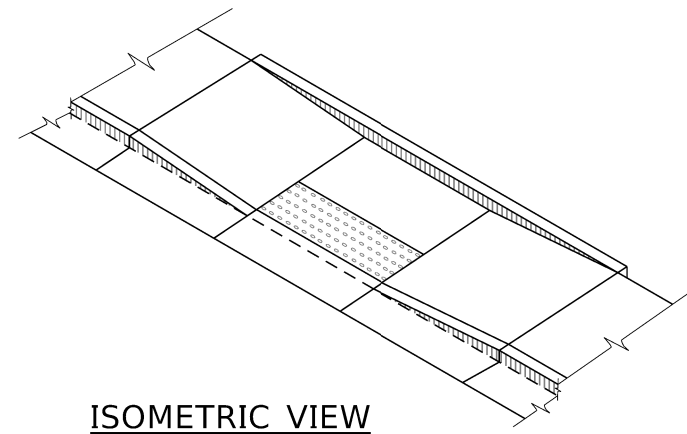
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PARALLEL CURB RAMP

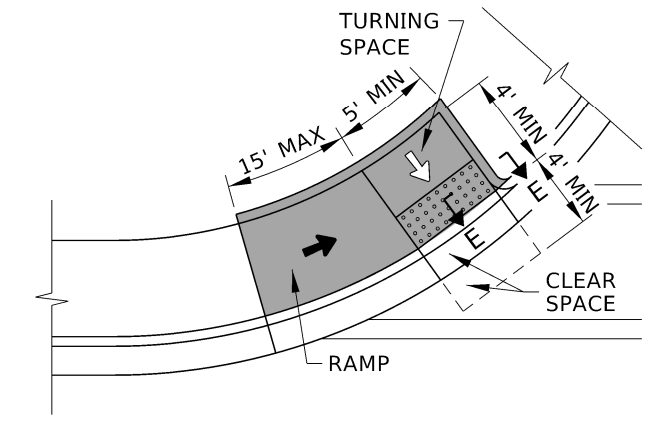
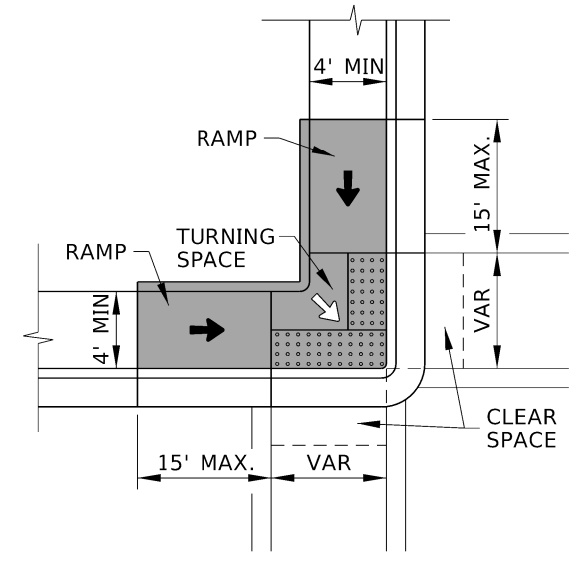
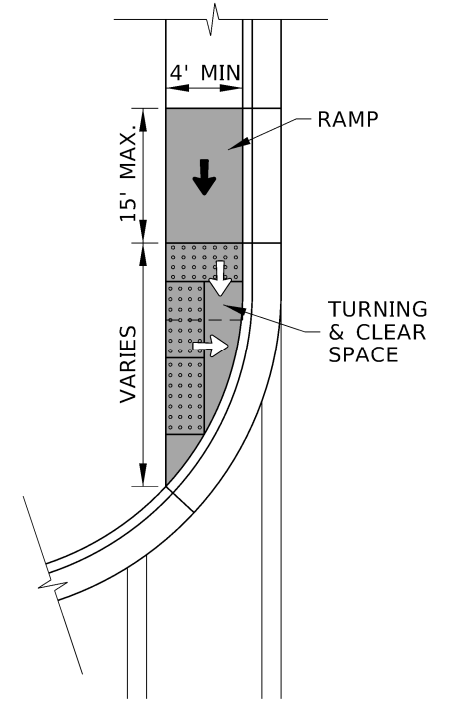
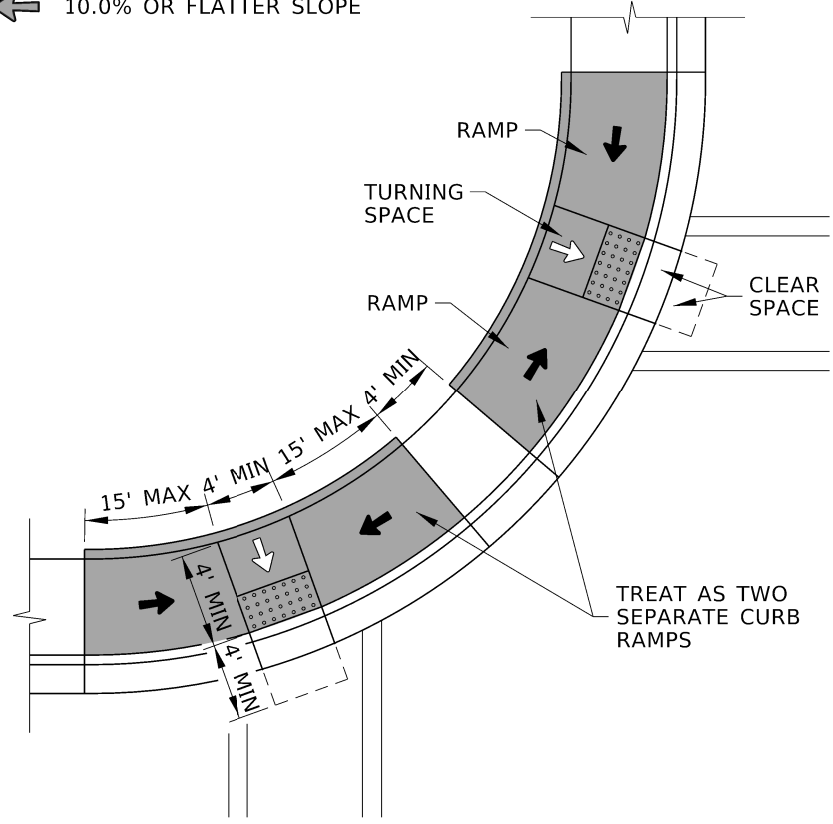


CURB CUT DETAIL



SYMBOL LEGEND

- ↖ 1.0% TO 2.0% SLOPE
- ↙ 5.0% TO 8.3% RUNNING SLOPE, 2.0% OR FLATTER CROSS SLOPE
- ↔ 10.0% OR FLATTER SLOPE



EXAMPLE APPLICATIONS

REVISIONS								
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	09-93	MSM	6	07-03	MSM	11	07-10	JAW
2	12-95	MSM	7	12-04	MSM	12	09-11	TEM
3	06-98	MSM	8	06-05	MSM	13	05-15	RDL
4	08-01	MSM	9	05-06	MSM	14	04-25	RDL
5	10-02	MSM	10	05-07	MSM			

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY

CADD FILE NAME: 614-3_0425.dgn

DRAWING DATE: JUNE, 1990

IDAHO TRANSPORTATION DEPARTMENT

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BOISE IDAHO



ORIGINAL SIGNED BY: MONICA CRIDER
HIGHWAY DESIGN ENGINEER

STANDARD DRAWING

CURB RAMPS

ENGLISH

STANDARD DRAWING NO. 614-3

SHEET 2 OF 4

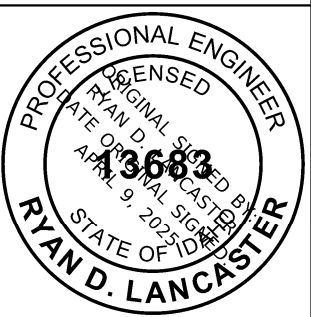
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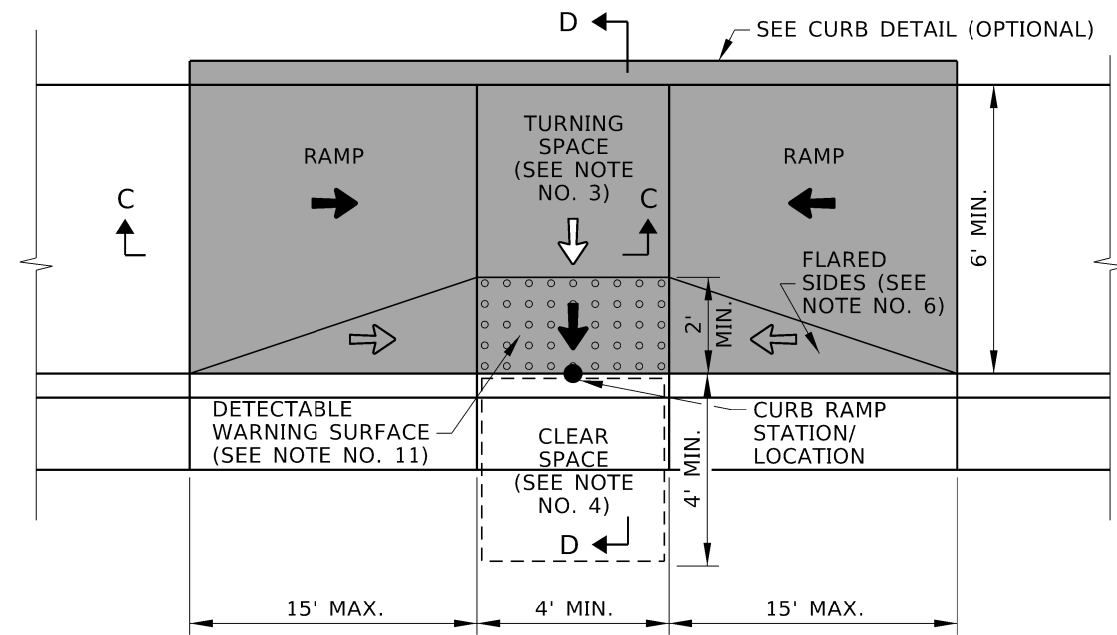
PROFESSIONAL ENGINEER

RYAN D. LANCASTER

STATE OF IDAHO

13683

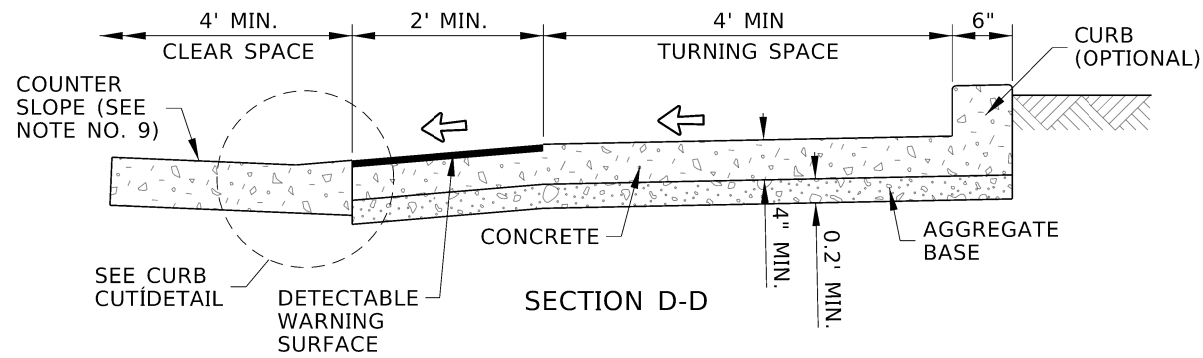
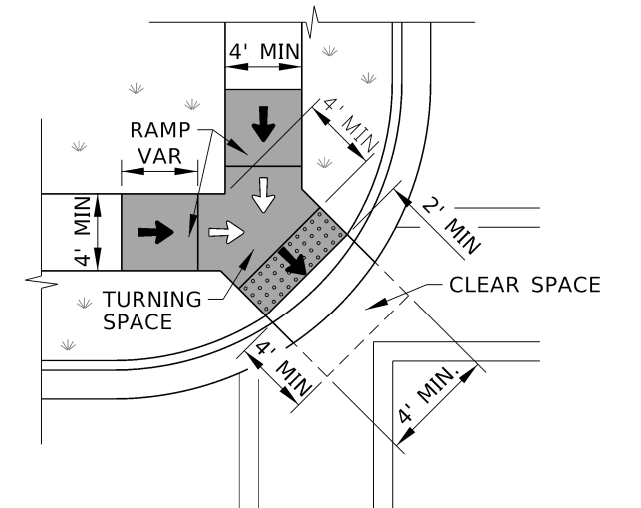
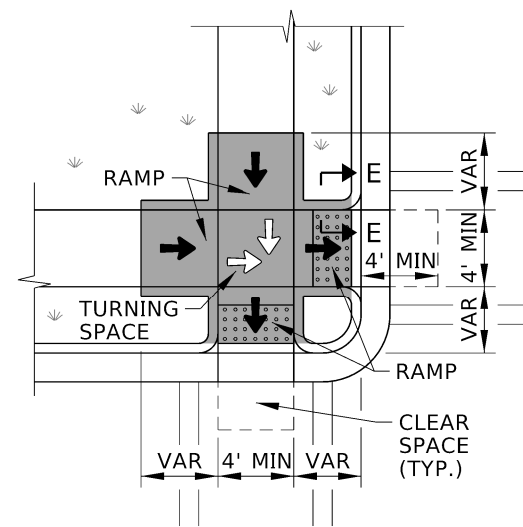




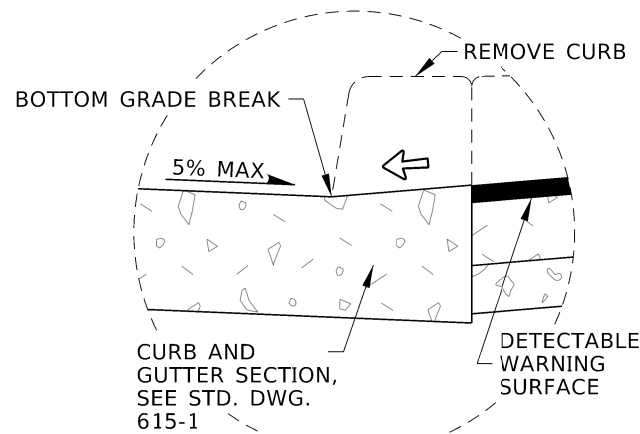
COMBINATION CURB RAMP

SYMBOL LEGEND

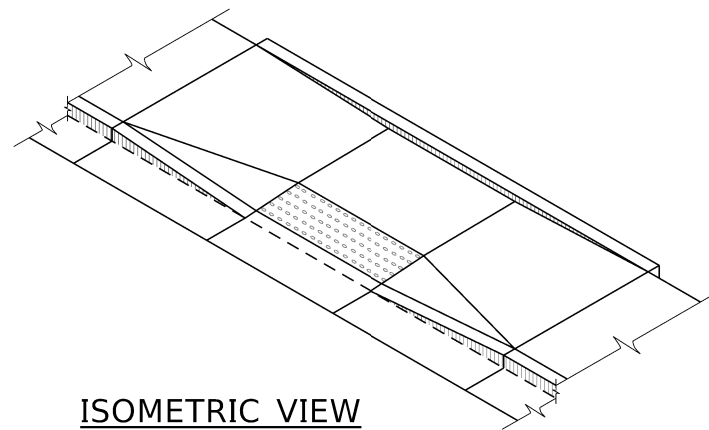
- ↔ 1.0% TO 2.0% SLOPE
- ↔ 5.0% TO 8.3% RUNNING SLOPE, 2.0% OR FLATTER CROSS SLOPE
- ↔ 10.0% OR FLATTER SLOPE



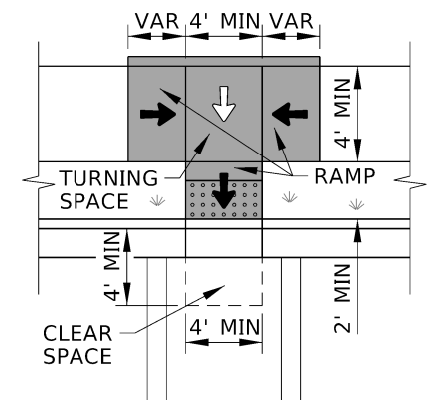
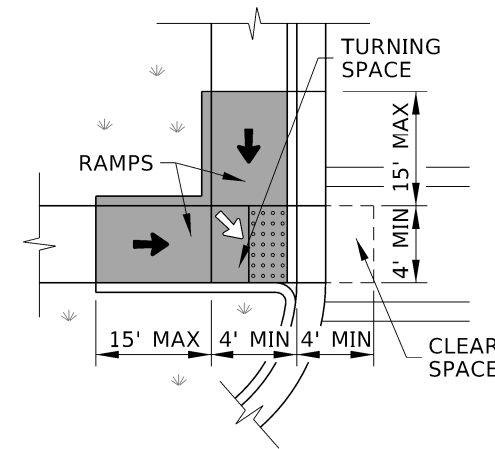
SECTION D-D



CURB CUT DETAIL



ISOMETRIC VIEW



EXAMPLE APPLICATIONS

REVISIONS								
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2	12-95	MSM	7	12-04	MSM	12	09-11	TEM
3	06-98	MSM	8	06-05	MSM	13	05-15	RDL
4	08-01	MSM	9	05-06	MSM	14	04-25	RDL
5	10-02	MSM	10	05-07	MSM			

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
 CADD FILE NAME: 614-3_0425.dgn
 DRAWING DATE: JUNE, 1990

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 BOISE IDAHO



ORIGINAL SIGNED BY: MONICA CRIDER
 HIGHWAY DESIGN ENGINEER

STANDARD DRAWING

CURB RAMPS

ENGLISH

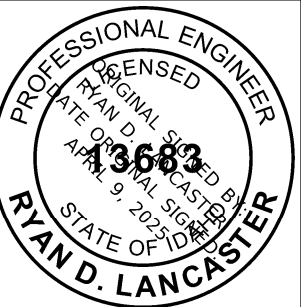
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614-3

SHEET 3 OF 4

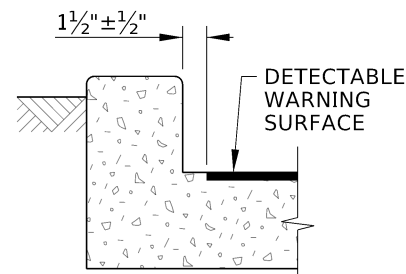
ORIGINAL STORED AT: ITD, Headquarters 3311 West State Boise, Idaho

PROFESSIONAL ENGINEER
 RYAN D. LANCASTER
 13683
 STATE OF IDAHO
 APR 9, 2023

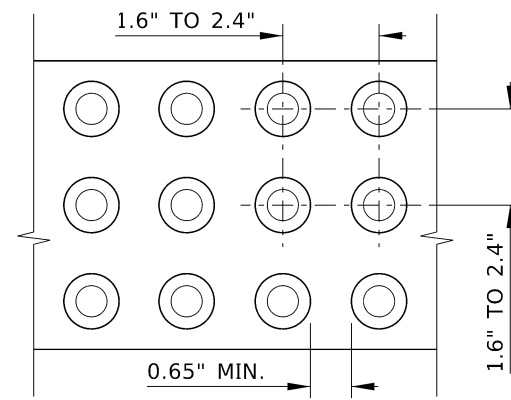


SYMBOL LEGEND

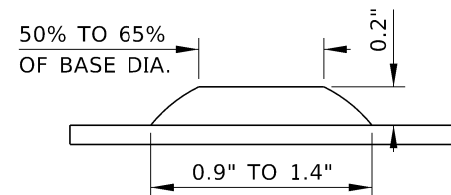
- ↖ 1.0% TO 2.0% SLOPE
- ↙ 5.0% TO 8.3% RUNNING SLOPE, 2.0% OR FLATTER CROSS SLOPE
- ← 10.0% OR FLATTER SLOPE



SECTION E-E

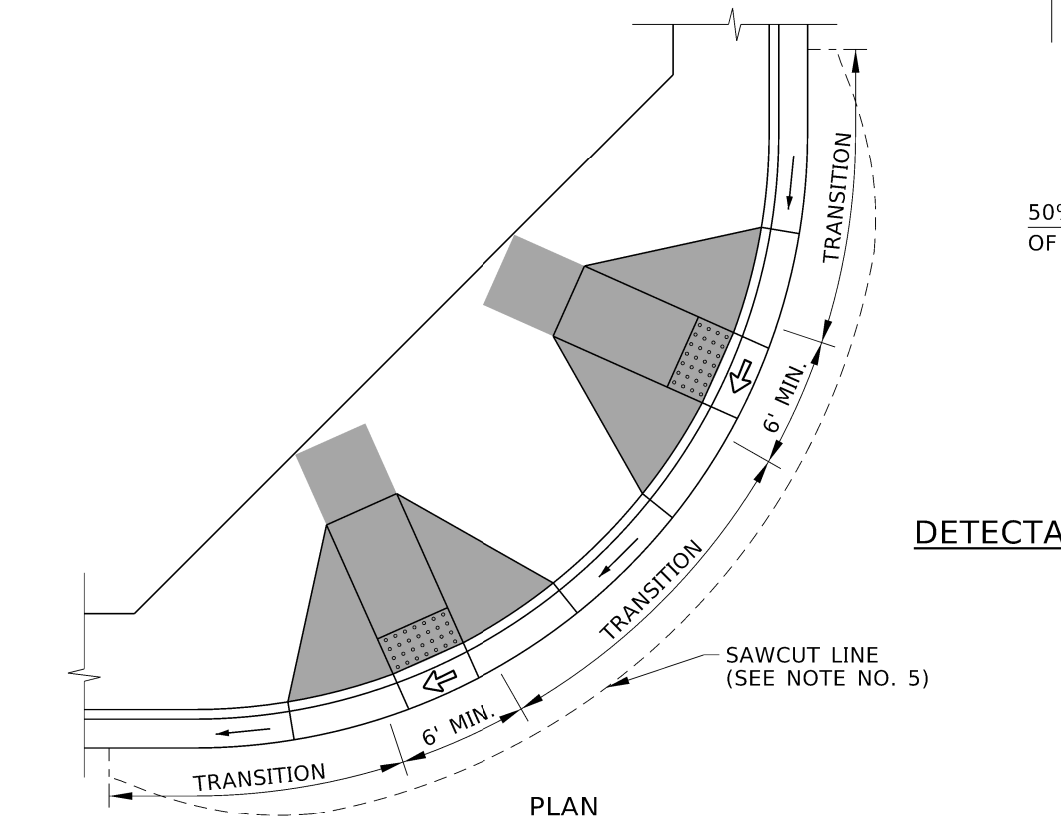


DOME SPACING

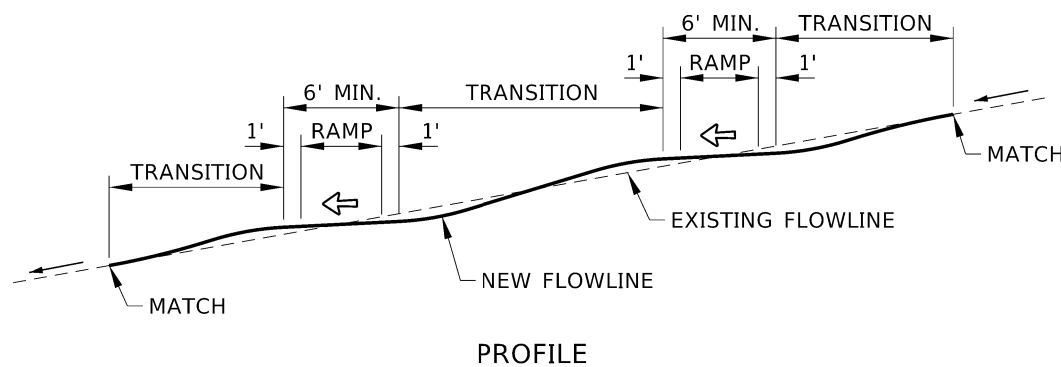


DOME SIZE

DETECTABLE WARNING SURFACE DETAILS
SEE NOTE NO. 11



PLAN



PROFILE

FLOWLINE PROFILE DETAIL
SEE NOTE NO. 5

NOTES

1. EXTENTS OF CURB RAMP PAY ITEMS ARE SHOWN IN GRAY SHADING.
2. CURB RAMPS CAN BE PERPENDICULAR, PARALLEL, OR A COMBINATION OF PARALLEL AND PERPENDICULAR RAMPS. EXAMPLE APPLICATIONS OF EACH ARE SHOWN ON SHEETS 1, 2, AND 3.
 - A. PERPENDICULAR CURB RAMPS HAVE A RAMP THAT CUTS THROUGH THE CURB AT RIGHT ANGLES OR MEETS THE GUTTER GRADE BREAK AT RIGHT ANGLES WHEN THE CURB IS CURVED.
 - B. PARALLEL CURB RAMPS HAVE A RAMP OR RAMPS IN-LINE WITH THE DIRECTION OF SIDEWALK TRAVEL AND LOWER THE SIDEWALK TO A LEVEL TURNING SPACE WHERE A TURN IS MADE TO ENTER THE PEDESTRIAN STREET CROSSING.
 - C. COMBINATION CURB RAMPS HAVE FEATURES FROM PERPENDICULAR AND PARALLEL CURB RAMPS.
3. PROVIDE A TURNING SPACE WITH A 2.0% OR FLATTER SLOPE IN EACH DIRECTION. TURNING SPACES MAY OVERLAP WITH OTHER TURNING SPACES AND CLEAR SPACES.
 - A. PERPENDICULAR CURB RAMP: PROVIDE A 4' BY 5' MINIMUM TURNING SPACE WHEN THE TURNING SPACE IS CONSTRAINED AT THE BACK-OF-SIDEWALK.
 - B. PARALLEL CURB RAMP: PROVIDE A 4' BY 5' TURNING SPACE WHEN THE TURNING SPACE IS CONSTRAINED ON TWO OR MORE SIDES. ENSURE THAT THE 5' DIMENSION IS PROVIDED IN THE DIRECTION OF THE PEDESTRIAN STREET CROSSING.
4. PROVIDE A CLEAR SPACE BEYOND THE BOTTOM OF THE GRADE BREAK THAT IS WITHIN THE WIDTH OF THE PEDESTRIAN STREET CROSSING AND WHOLLY OUTSIDE THE PARALLEL VEHICLE TRAFFIC LANE.
5. CROSS SLOPE IS THE SLOPE PERPENDICULAR TO THE DIRECTION OF PEDESTRIAN TRAVEL. ENSURE THAT THE CROSS SLOPE OF THE RAMP AND TURNING SPACE DOES NOT EXCEED TWO PERCENT. AT PEDESTRIAN STREET CROSSINGS WITHOUT YIELD OR STOP CONTROL AND AT MIDBLOCK PEDESTRIAN STREET CROSSINGS, THE CROSS SLOPE MAY MATCH THE STREET OR HIGHWAY GRADE. FLATTEN THE GUTTER FLOWLINE THROUGH CURB RAMPS TO TWO PERCENT OR FLATTER WHEN NEEDED. WHEN THE PAVEMENT IS SAWCUT TO FLATTEN THE FLOWLINE, VARY THE WIDTH OF THE SAWCUT SO THAT THE PAVEMENT PATCH SMOOTHLY MATCHES THE EXISTING PAVEMENT.
6. PROVIDE FLARED SIDES ON PERPENDICULAR CURB RAMPS, OR COMBINATION CURB RAMPS WHERE A PEDESTRIAN CIRCULATION PATH CROSSES THE CURB RAMP. THE FLARED SIDES ARE PART OF THE PEDESTRIAN CIRCULATION PATH, BUT ARE NOT PART OF THE PEDESTRIAN ACCESS ROUTE. THE SLOPE OF THE FLARED SIDES IS MEASURED PARALLEL TO THE CURB LINE. FLARED SIDES ARE NOT NEEDED OR MAY BE STEEPER WHEN THE PEDESTRIAN CIRCULATION PATH DOES NOT CROSS THE CURB RAMP.
7. THE PEDESTRIAN CIRCULATION PATH IS A PREPARED SURFACE PROVIDED FOR PEDESTRIAN TRAVEL IN THE PUBLIC RIGHT-OF-WAY. THE PEDESTRIAN ACCESS ROUTE IS A CONTINUOUS AND UNOBSTRUCTED PATH OF TRAVEL PROVIDED FOR PEDESTRIANS WITH DISABILITIES WITHIN OR COINCIDING WITH A PEDESTRIAN CIRCULATION PATH.
8. ENSURE THAT GRADE BREAKS ARE PERPENDICULAR TO THE DIRECTION OF THE RAMP RUN AND ARE FLUSH. DO NOT CREATE GRADE BREAKS ON THE SURFACE OF RAMP RUNS AND TURNING SPACES.
9. ENSURE THAT THE COUNTER SLOPE OF THE GUTTER OR STREET AT THE FOOT OF CURB RAMPS RUNS DOES NOT EXCEED FIVE PERCENT.
10. WHERE PRACTICAL, PLACE UTILITY COVERS, VAULT FRAMES, AND GRATINGS OUTSIDE RAMP RUNS, TURNING SPACES, OR GUTTER AREAS. LOCATE CATCH BASINS AND INLETS OUTSIDE OF RAMP RUNS.
11. DETECTABLE WARNING SURFACES CONSIST OF TRUNCATED DOMES ALIGNED IN A SQUARE OR RADIAL GRID PATTERN. PROVIDE DETECTABLE WARNING SURFACES THAT CONTRAST VISUALLY WITH ADJACENT GUTTER, HIGHWAY, OR PEDESTRIAN ACCESS ROUTE SURFACE, EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT. ENSURE THAT THE DETECTABLE WARNING SURFACE EXTENDS THE FULL WIDTH OF THE RAMP RUN (EXCLUDING FLARED SIDES) OR TURNING SPACE.
 - A. PERPENDICULAR AND COMBINATION CURB RAMPS: WHERE THE ENDS OF THE BOTTOM GRADE BREAK ARE IN FRONT OF THE BACK OF CURB, PLACE THE DETECTABLE WARNING SURFACE AT THE BACK OF CURB. WHERE THE ENDS OF THE BOTTOM GRADE BREAK ARE BEHIND THE BACK OF CURB, PLACE THE DETECTABLE WARNING SURFACE ON THE RAMP RUN WITHIN ONE DOME SPACING OF THE BOTTOM GRADE BREAK AND WITHIN 5' OF THE BACK OF CURB.
 - B. PARALLEL CURB RAMP: PLACE DETECTABLE WARNING SURFACE ON THE TURNING SPACE AT THE BACK OF CURB.
12. USE A BOND PREVENTATIVE BETWEEN THE CURB RAMP OR SIDEWALK AND CURB WHEN CONSTRUCTED SEPARATELY AND PLACED ADJACENT TO EACH OTHER.
13. CONSTRUCT CONTRACTION, ISOLATION OR EXPANSION JOINTS.
 - A. CONSTRUCT CONTRACTION JOINTS AT 5' INTERVALS THAT ARE APPROXIMATELY 1/8" WIDE AND 3/4" DEEP.
 - B. CONSTRUCT ISOLATION OR EXPANSION JOINTS WITH PREFORMED EXPANSION JOINT FILLER AT RADII TERMINI POINTS AND BETWEEN STRUCTURES AND FEATURES PROJECTING THROUGH, INTO, OR AGAINST THE CURB RAMP SUCH AS CATCH BASINS, MANHOLES, POLE FOUNDATIONS, AND JUNCTION BOXES. PROVIDE 1/4" MINIMUM WIDTH FOR ISOLATION OR EXPANSION JOINTS. DO NOT USE WOOD AS A CONSTRUCTION OR ISOLATION JOINT.
14. DRAWING NOT TO SCALE.

REVISIONS								
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	09-93	MSM	6	07-03	MSM	11	07-10	JAW
2	12-95	MSM	7	12-04	MSM	12	09-11	TEM
3	06-98	MSM	8	06-05	MSM	13	05-15	RDL
4	08-01	MSM	9	05-06	MSM	14	04-25	RDL
5	10-02	MSM	10	05-07	MSM			

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY

CADD FILE NAME: 614-3_0425.dgn

DRAWING DATE: JUNE, 1990

IDAHO TRANSPORTATION DEPARTMENT

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BOISE IDAHO

ORIGINAL SIGNED BY: MONICA CRIDER
HIGHWAY DESIGN ENGINEER

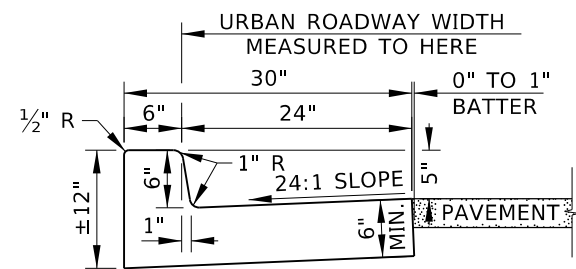
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CURB RAMPS

ENGLISH

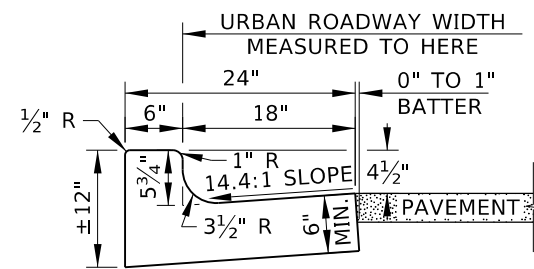
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614-3

SHEET 4 OF 4

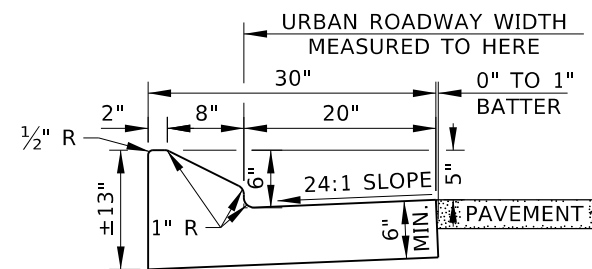
ORIGINAL STORED AT: ITD, Headquarters 3311 West State Boise, Idaho



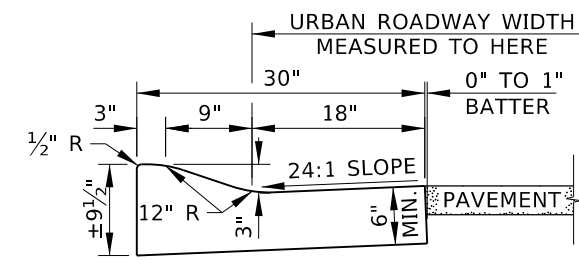
CURB AND GUTTER TYPE 1



CURB AND GUTTER TYPE 2
(SEE NOTE NO. 6)



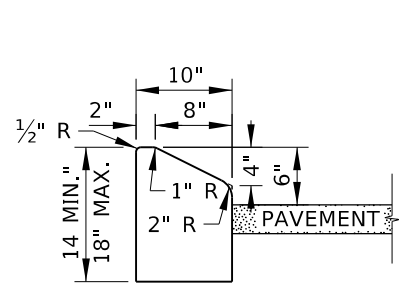
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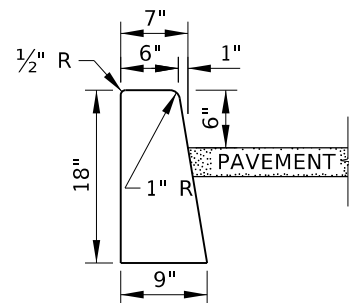
CURB AND GUTTER TYPE 4

NOTES

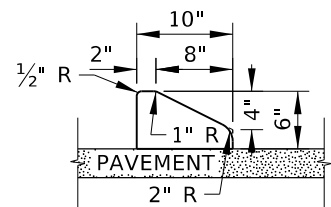
1. TRANSITION BETWEEN DIFFERENT TYPES OVER 10 FEET.
2. PROVIDE 4 INCHES OF AGGREGATE BASE UNDER CURB AND GUTTER, CURB, OR GUTTER UNLESS THE CURB IS PLACED ON PAVEMENT.
3. PORTLAND CEMENT CONCRETE CURB OR TRAFFIC SEPARATOR ON ASPHALT CONCRETE PAVEMENT:
 - A. PROVIDE A KEY IN THE PAVEMENT AT THE CENTERLINE OF THE CURB OR TRAFFIC SEPARATOR. SEE THE KEY DETAIL.
 - B. ALTERNATIVELY, PIN CONCRETE CURBS OR TRAFFIC SEPARATORS TO THE PAVEMENT IN LIEU OF THE KEY. DRILL THE PAVEMENT AND PLACE PINS BEFORE THE CURB OR TRAFFIC SEPARATOR IS CONSTRUCTED. SEE THE PIN DETAIL.
- PORTLAND CEMENT CONCRETE CURB OR TRAFFIC SEPARATOR ON PORTLAND CEMENT CONCRETE PAVEMENT:
 - A. USE AN EPOXY BONDING AGENT. NO KEY IS NEEDED.
- ASPHALT CONCRETE CURB OR TRAFFIC SEPARATOR ON ASPHALT CONCRETE PAVEMENT:
 - A. NO KEY IS NEEDED. ENSURE THAT THE CURB IS BONDED TO THE PAVEMENT.
4. TAPER THE BEGINNING AND LAST 6 FEET OF CURB AND GUTTER, CURB, OR TRAFFIC SEPARATOR TO THE PAVEMENT ELEVATION. ANCHOR THE TAPERED ENDS OF CURB TYPES 3, 4, AND 5 AND TRAFFIC SEPARATOR TYPE 1. AT BREAKS IN CURB TYPES 3, 4, AND 5 AND TRAFFIC SEPARATOR TYPE 1, SLOPE THE CURB OR TRAFFIC SEPARATOR DOWN TO A 1 INCH HEIGHT AT A 1:1 SLOPE.
 - A. REMOVE PAVEMENT TO ANCHOR CURBS AND TRAFFIC SEPARATOR. SQUARE CORNERS TO THE ANCHOR DIMENSIONS.
 - B. TRAFFIC SEPARATOR CAN BE UNPAINTED OR PAINTED YELLOW OR WHITE. MATCH TUBULAR MARKER COLOR TO THE APPLICABLE PAVEMENT MARKING.
5. CONSTRUCT CONTRACTION, ISOLATION OR EXPANSION JOINTS.
 - A. CONSTRUCT CONTRACTION JOINTS IN CURB, GUTTER, CURB AND GUTTER, OR TRAFFIC SEPARATOR AT 10' INTERVALS THAT ARE APPROXIMATELY 1/8" WIDE AND 3/4" DEEP. IF ADJACENT TO SIDEWALK, DRIVEWAY, CURB RAMP, OR CONCRETE PAVEMENT, ADJUST CURB AND GUTTER JOINT LOCATION AND TYPE TO MATCH.
 - B. CONSTRUCT ISOLATION OR EXPANSION JOINTS WITH PREFORMED EXPANSION JOINT FILLER AT RADII TERMINI POINTS AND BETWEEN STRUCTURES AND FEATURES PROJECTING THROUGH, INTO, OR AGAINST THE CURB SUCH AS CATCH BASINS, MANHOLES, POLE FOUNDATIONS, AND JUNCTION BOXES UNLESS THE CURB IS INTEGRAL TO THE FEATURE. PROVIDE 1/4" MINIMUM WIDTH FOR ISOLATION OR EXPANSION JOINTS. DO NOT USE WOOD AS A CONTRACTION OR ISOLATION JOINT.
6. ENSURE THE GUTTER SLOPE DOES NOT EXCEED 5 PERCENT AT CURB RAMPS.
7. DRAWING NOT TO SCALE.



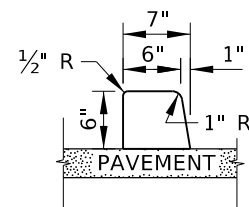
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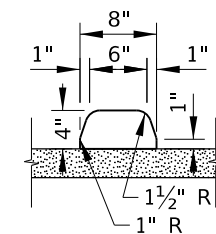
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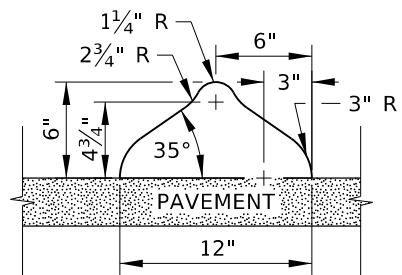
CURB TYPE 3
(SEE NOTE NO. 3)



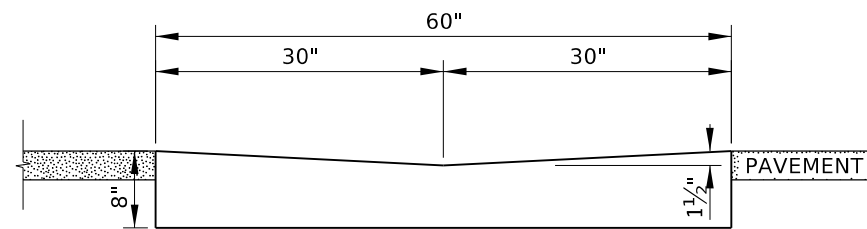
CURB TYPE 4
(SEE NOTE NO. 3)



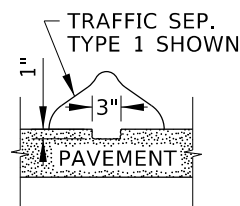
CURB TYPE 5
(SEE NOTE NO. 3)



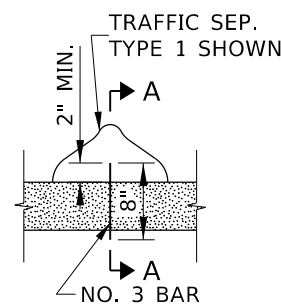
TRAFFIC SEPARATOR TYPE 1
(SEE NOTE NO. 3)



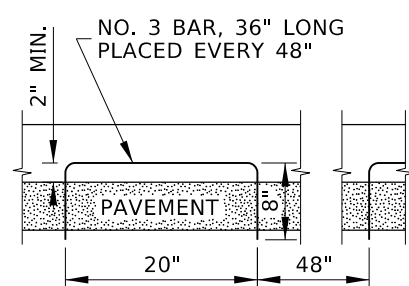
GUTTER TYPE 1



KEY DETAIL
(SEE NOTE NO. 3)



PIN DETAIL
(SEE NOTE NO. 3)



SECTION A-A

ORIGINAL STORED AT: ITD, Headquarters 3311 West State Boise, Idaho

REVISIONS								
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	02-76		6	12-04	MSM	11	07-18	RDL
2	12-90	GB	7	06-05	MSM	12	03-25	RDL
3	09-93	MSM	8	07-10	JAW			
4	12-94	MSM	9	11-14	RDL			
5	12-01	MSM	10	06-17	RDL			

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME: 615-1_0425.dgn
DRAWING DATE: APRIL, 1961

IDAHO TRANSPORTATION DEPARTMENT
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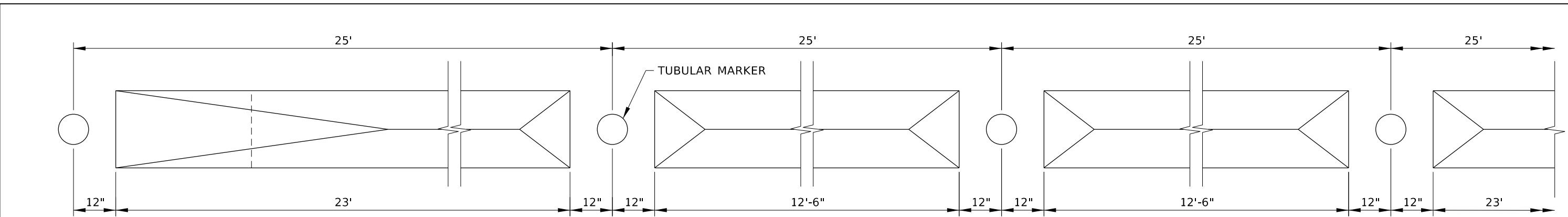
BOISE IDAHO

ORIGINAL SIGNED BY: MONICA CRIDER
HIGHWAY DESIGN ENGINEER

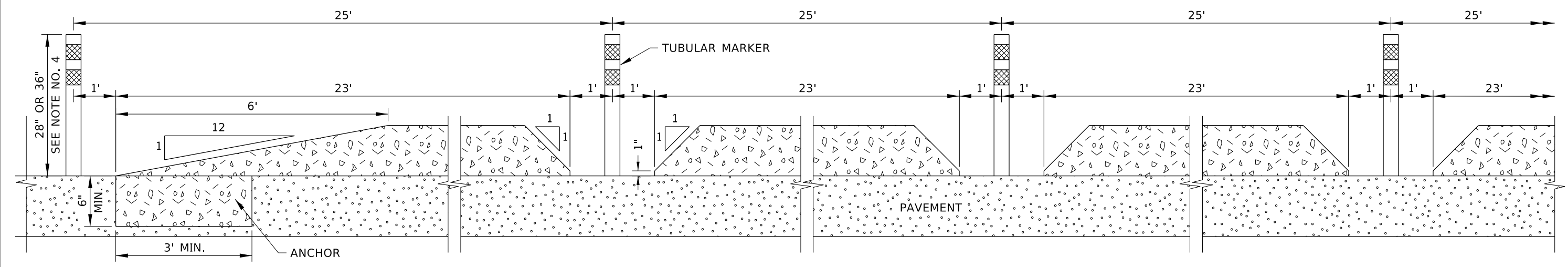
STANDARD DRAWING
CURB AND GUTTER

ENGLISH
STANDARD DRAWING NO. 615-1
SHEET 1 OF 2

PROFESSIONAL ENGINEER
LICENSED
RYAN D. LANCASTER
STATE OF IDAHO
APR 9, 2023

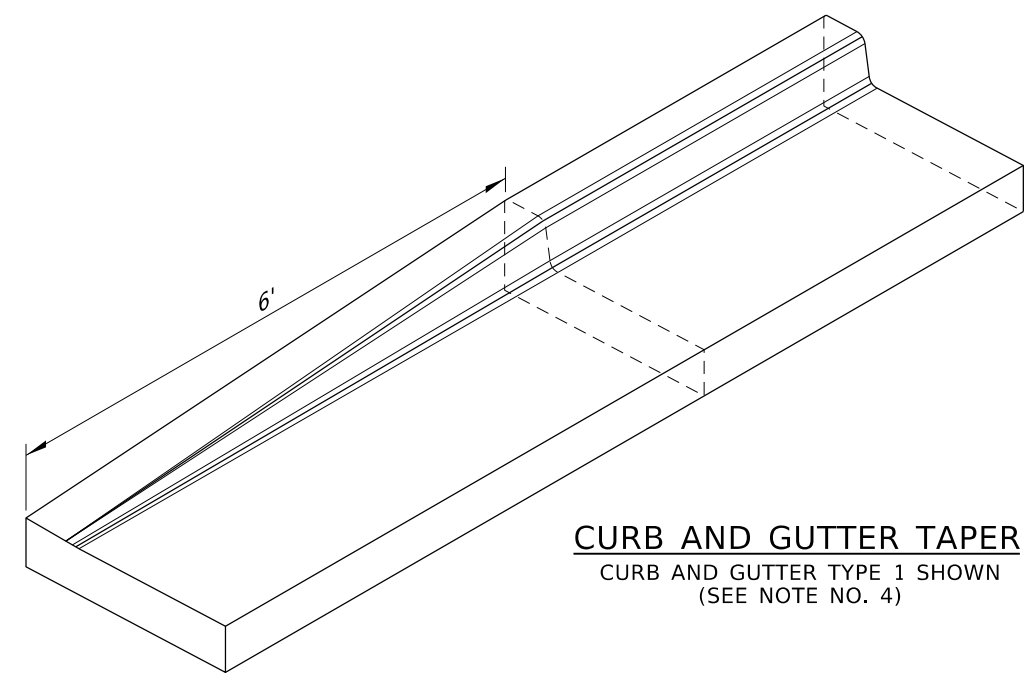


PLAN VIEW

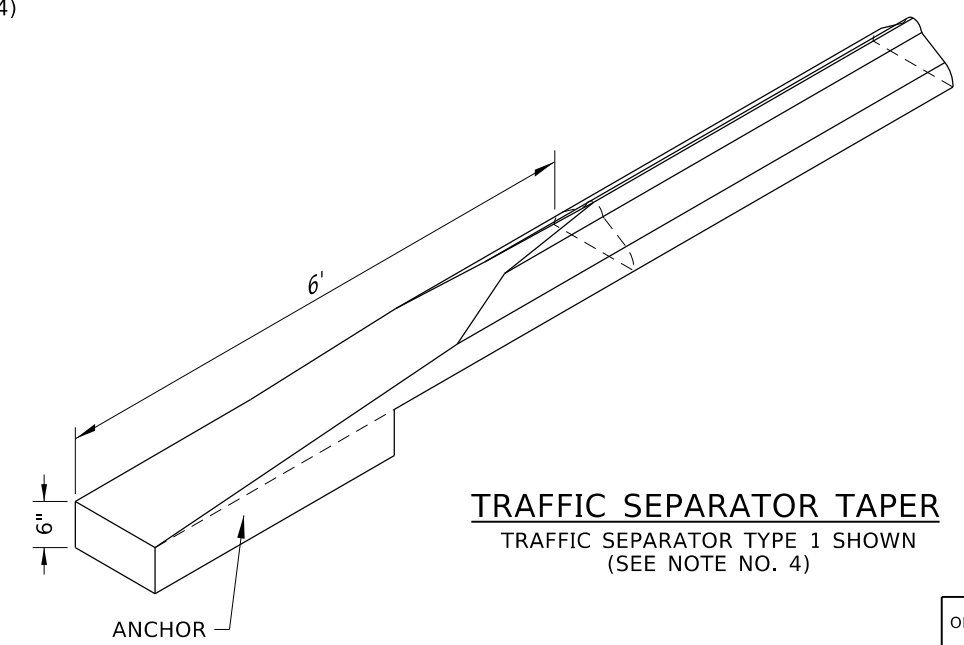


ELEVATION

TRAFFIC SEPARATOR DETAIL
(SEE NOTE NO. 4)



CURB AND GUTTER TAPER
CURB AND GUTTER TYPE 1 SHOWN
(SEE NOTE NO. 4)



TRAFFIC SEPARATOR TAPER
TRAFFIC SEPARATOR TYPE 1 SHOWN
(SEE NOTE NO. 4)

REVISIONS								
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3	09-93	MSM	8	07-10	JAW			
4	12-94	MSM	9	11-14	RDL			
5	12-01	MSM	10	06-17	RDL			

SCALES SHOWN
ARE FOR 11" X 17"
PRINTS ONLY

CADD FILE NAME:
615-1_0425.dgn

DRAWING DATE:
APRIL, 1961

**IDAHO
TRANSPORTATION
DEPARTMENT**



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BOISE IDAHO

STANDARD DRAWING

ORIGINAL SIGNED BY: MONICA CRIDER
HIGHWAY DESIGN ENGINEER

STANDARD DRAWING


CURB AND GUTTER

ENGLISH

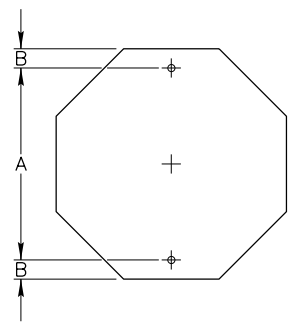
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SHEET **2** OF **2**

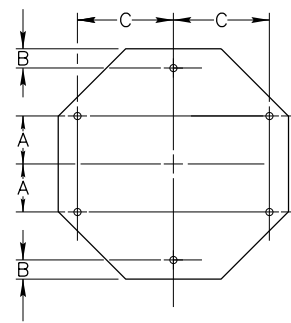
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AT: ITD,
Headquarters
3311 West State
Boise, Idaho



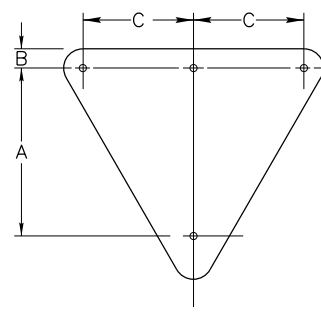
PROFESSIONAL ENGINEER
LICENSED
RYAN D. LANCASTER
APRIL 9, 2023
STATE OF IDAHO
43683
RYAN D. LANCASTER



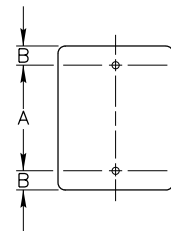
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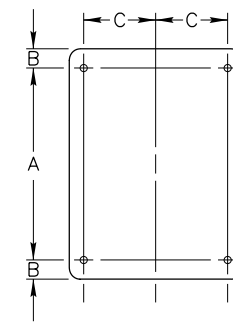
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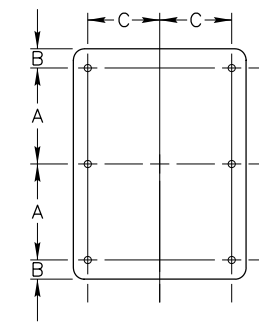
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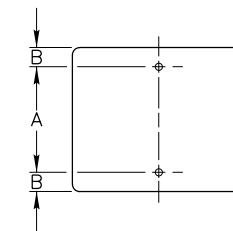
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30"X36"	30"	3"



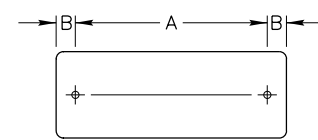
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60"X36"	30"	3"	21"



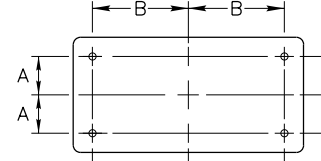
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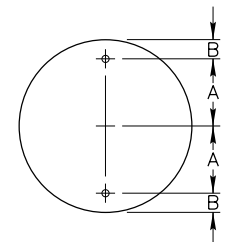
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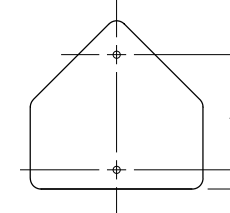
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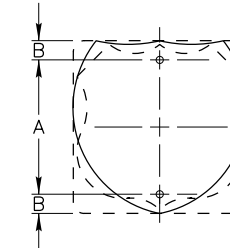
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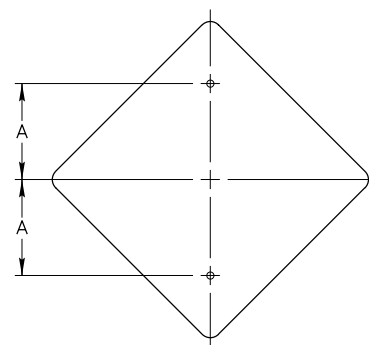
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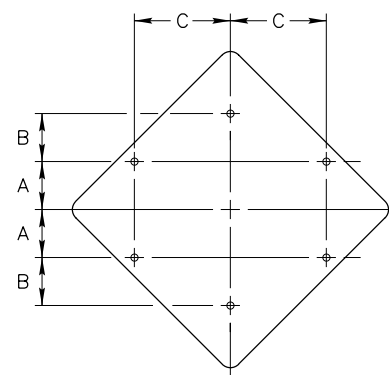
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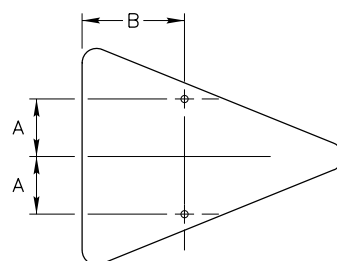
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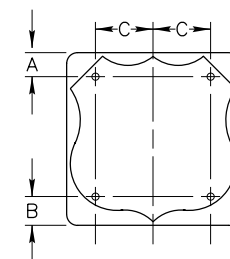
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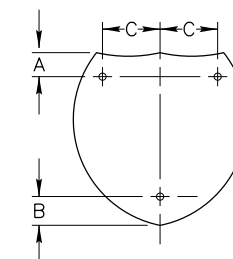
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SIGN SIZE	A	B	C
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SIGN SIZE	A	B	C
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45"X36"	5"	6"	16"

NOTES:

- ALL MOUNTING HOLES SHALL BE 3/8" DIAMETER.

ORIGINAL STORED AT: ITD, Headquarters 3311 West State Boise, Idaho

REVISIONS								
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	12-01	NQB						
2	06-07	HEB						
3	07-14	HEB						
4	05-17	HEB						

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
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 DRAWING DATE: DECEMBER, 1994

IDAHO TRANSPORTATION DEPARTMENT



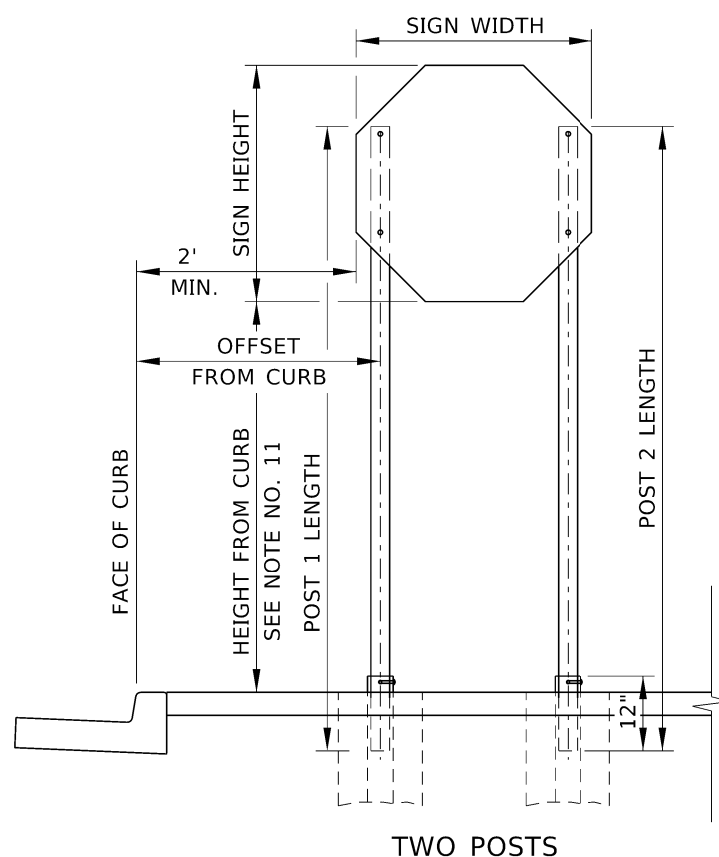
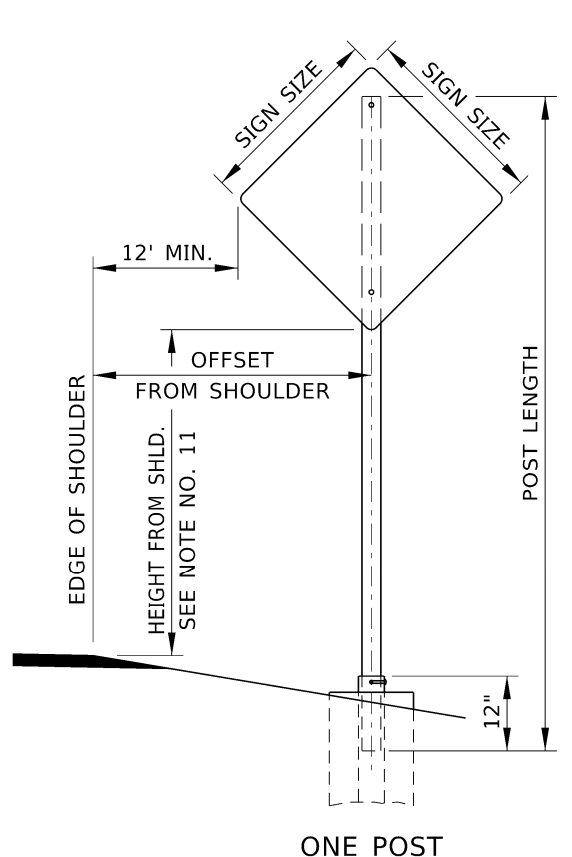
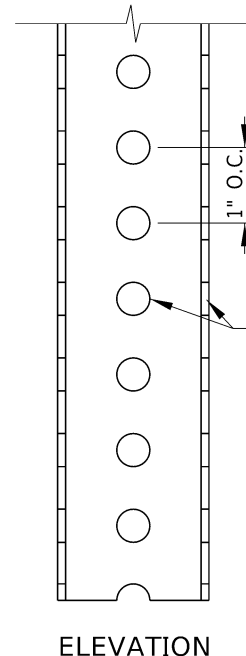
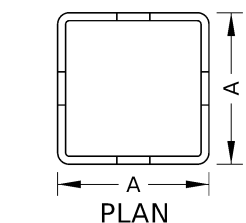
BOISE IDAHO

ORIGINAL SIGNED BY: KEVIN SABLAN
 DESIGN/TRAFFIC SERVICES ENGINEER

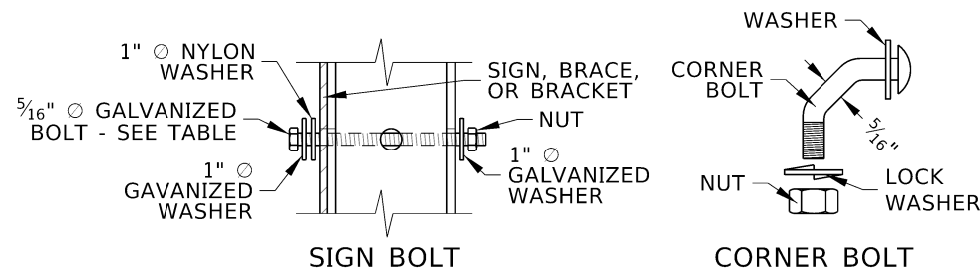
STANDARD DRAWING
PUNCHING SCHEDULE FOR TYPE "B" OR TYPE "E" SIGNS

English
 STANDARD DRAWING NO. **616-1**
 SHEET 1 OF 1

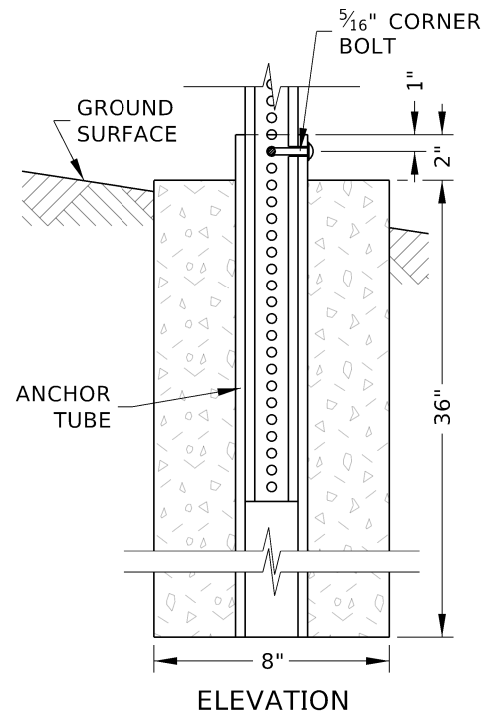
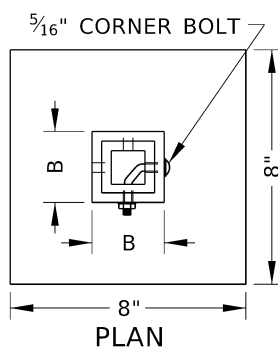
PROFESSIONAL ENGINEER
 LICENSED
 RYAN D. LANCASTER
 STATE OF IDAHO
 13683



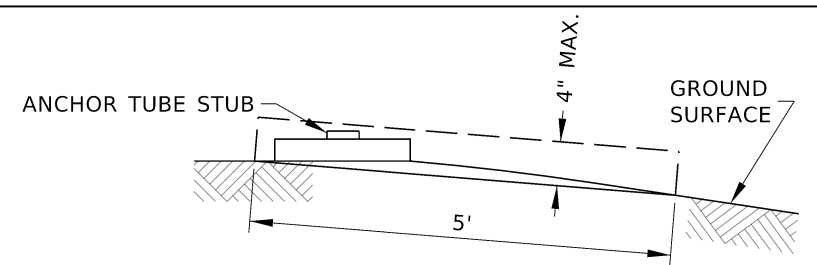
SIGN ASSEMBLY MEASUREMENTS



FASTENER DETAILS
SEE NOTE NO. 10



FOUNDATION
SEE NOTE NOS. 12 & 13



FOUNDATION AND STUB HEIGHT DETAIL
SEE NOTE NO. 15

NOTES

- USE TYPE E - PERFORATED STEEL TUBE POSTS - WITH TYPE B - SHEET ALUMINUM AND TYPE E - HDO PLYWOOD SIGNS.
- SEE THE TRAFFIC MANUAL TO CALCULATE SIGN LOAD PER POST.
- SEE PROJECT SIGN SUMMARY FOR SIGN ASSEMBLY DIMENSIONS.
- USE ONE OR MORE TYPE E - PERFORATED STEEL TUBE POST. DO NOT MIX E-1 AND E-2 POSTS ON THE SAME SIGN ASSEMBLY.
- POST 1 IS CLOSEST TO THE HIGHWAY, WHETHER INSTALLED ON THE RIGHT OR LEFT SIDE.
- A BREAKAWAY DEVICE MUST BE INSTALLED IF THREE POSTS ARE USED. REFER TO THE ITD QUALIFIED PRODUCTS LIST FOR BREAKAWAY DEVICES.
- TYPE E - PERFORATED STEEL TUBE POSTS - DO NOT NEED TO BE SHIELDED BY GUARDRAIL OR BARRIER. WHEN PERFORATED STEEL POSTS ARE INSTALLED BEHIND GUARDRAIL OR BARRIER, ENSURE THE POSTS ARE OUTSIDE OF THE GUARDRAIL OR BARRIER WORKING WIDTH.
- SIGNS CAN BE MOUNTED BACK-TO-BACK IF THE SHAPE OF STOP, YIELD, OR WARNING SIGNS ARE NOT SHIELDED.
- SIGNS ARE INSTALLED WITH OR WITHOUT BRACES DEPENDENT ON SIGN SIZE AND APPLICATION.
- TYPE B - SHEET ALUMINUM - OR TYPE E - HDO PLYWOOD - SIGNS CAN BE AFFIXED TO THE POST OR THROUGH BRACES OR BRACKETS.
- INSTALL SIGNS AT THE FOLLOWING HEIGHTS:
 - IF INSTALLED IN A RURAL AREA, 5 FEET ABOVE THE PAVEMENT ELEVATION OR 4 FEET IF A SUPPLEMENTARY PLAQUE IS INSTALLED BELOW THE SIGN.
 - IF INSTALLED IN THE VICINITY OF A CURB OR IN A BUSINESS, COMMERCIAL, OR RESIDENTIAL AREA WHERE PARKING OR PEDESTRIAN MOVEMENTS ARE LIKELY, 7 FEET ABOVE THE PAVEMENT ELEVATION OR 6 FEET IF A SUPPLEMENTARY PLAQUE IS INSTALLED BELOW THE SIGN. IF INSTALLED LOWER THAN 7 FEET, ENSURE SIGNS DO NOT PROJECT MORE THAN 4 INCHES INTO THE PEDESTRIAN FACILITY.
- PRECAST FOUNDATION OR CAST FOUNDATION IN PLACE. ENSURE THE BOTTOM OF THE FOUNDATION IS KEPT OPEN TO DRAIN. IF THE ANCHOR TUBE IS PERFORATED, ENSURE THE INSIDE OF THE ANCHOR REMAINS OPEN.
- IF SOLID BEDROCK IS ENCOUNTERED WITHIN THE FOUNDATION DEPTH, DRILL A 4.5 INCH VERTICAL HOLE AND SOCKET THE ANCHOR TUBE. FILL DRILLED HOLES WITH GROUT, TYPE B, CLASS 1. ENSURE THE INSIDE OF THE ANCHOR TUBE REMAINS OPEN. WHEN INSTALLED IN BEDROCK, ENSURE THE E-1 POST IS EMBEDDED 18 INCHES DEEP AND THE E-2 POST IS EMBEDDED 24 INCHES.
- WHEN THE SIGN IS INSTALLED ON A BACKSLOPE, ENSURE THE SIGN POST IS AT LEAST 5' HIGHER THAN THE GROUND SURFACE.
- ENSURE NO PART OF THE FOUNDATION OR SIGN POST STUB PROJECTS MORE THAN 4 IN. ABOVE ANY 5 FT. CHORD ALIGNED PERPENDICULARLY TO THE EDGE OF THE HIGHWAY BETWEEN A POINT ON THE GROUND SURFACE ON ONE SIDE OF THE SUPPORT TO A POINT ON THE GROUND SURFACE ON THE OTHER SIDE OF THE SUPPORT.
- DRAWING NOT TO SCALE.

SIGN POST AND FOUNDATION TABLE										
POST TYPE	TYPE E PERFORATED STEEL TUBE POST		POST WEIGHT (LB/FT)	MAXIMUM SIGN LOAD (SFxFT)	FOUNDATION		ANCHOR TUBE		POST WEIGHT (LB/FT)	SIGN BOLT LENGTH (IN)
	PERFORATED STEEL TUBE POST SIZE A (IN)	GAUGE			SIZE (INxINxIN)	CONCRETE (CY)	B (IN)	GAUGE		
E-1	2	12	2.42	43	8x8x36	0.05	2 1/2 x 2 1/2	7	5.59	2 1/2
E-2	2 1/2	10	4.01	91	8x8x36	0.05	3x3	7	6.87	3

REVISIONS								
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	02-92	JEC	6	05-15	HEB			
2	12-94	HEB	7	12-16	HEB			
3	06-99	HEB	8	02-23	RDL			
4	12-01	NQB						
5	12-13	HEB						

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CADD FILE NAME: 616-7_0423.dgn
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BOISE IDAHO

ORIGINAL SIGNED BY: MONICA CRIDER
HIGHWAY DESIGN ENGINEER

STANDARD DRAWING
STEEL SIGN POST AND FOUNDATION
TYPE E - PERFORATED STEEL TUBE POST

ENGLISH
STANDARD DRAWING NO. 616-7
SHEET 1 OF 1

ORIGINAL STORED AT: ITD, Headquarters 3311 West State Boise, Idaho

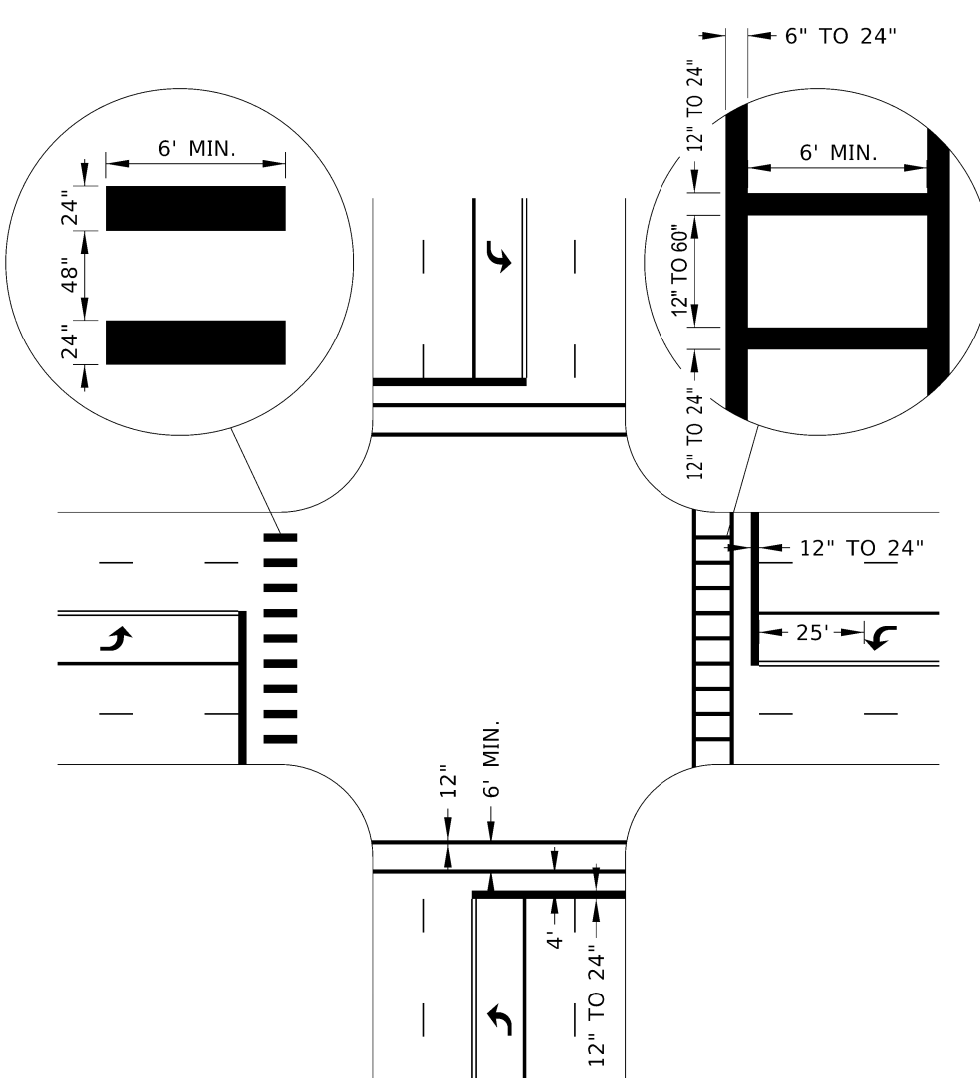
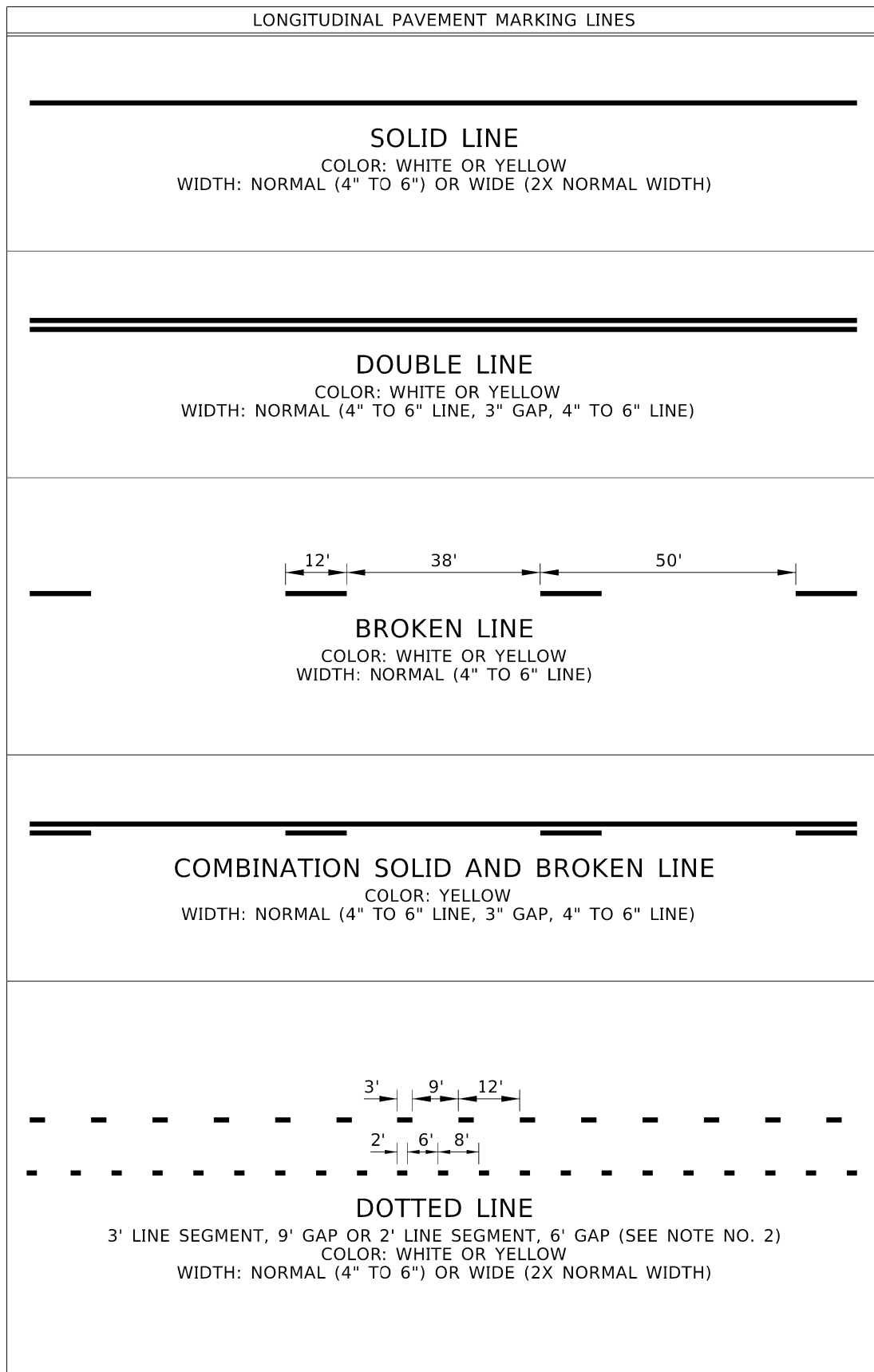
PROFESSIONAL ENGINEER
RYAN D. LANCASTER
STATE OF IDAHO
LICENSED PROFESSIONAL ENGINEER
NO. 3683
MAINT. 1, 2014

NOTES

1. USE WHITE AND YELLOW PAVEMENT MARKINGS AS FOLLOWS:
 - WHITE:
 - A. TO SEPARATE TRAFFIC TRAVELING IN THE SAME DIRECTION.
 - B. THE RIGHT-HAND EDGE OF THE HIGHWAY.
 - C. STOP AND YIELD LINES, CROSSWALK, WORD, SYMBOL, ARROW, AND OTHER MARKINGS
 - YELLOW:
 - A. TO SEPARATE TRAFFIC TRAVELING IN OPPOSITE DIRECTIONS.
 - B. THE LEFT-HAND EDGE DIVIDED HIGHWAYS, ONE-WAY STREETS, OR RAMPS.
 - C. TWO-WAY LEFT-TURN LANES.
2. USE LONGITUDINAL PAVEMENT MARKINGS AS FOLLOWS:
 - A. USE SOLID LINES TO INDICATE THE LEFT OR RIGHT EDGE OF TRAVEL WAY OR TO DISCOURAGE LANE CHANGING.
 - B. USE DOUBLE LINES TO PROHIBIT PASSING OR LANE CHANGING.
 - C. USE BROKEN LINES TO INDICATE PASSING OR LANE CHANGING ARE PERMITTED. USE ONLY THE 12' LINE SEGMENT, 38' GAP PATTERN.
 - D. USE COMBINATION SOLID AND BROKEN LINES TO PROHIBIT PASSING IN ONE DIRECTION WHILE PERMITTING PASSING IN THE OPPOSITE DIRECTION OR TO INDICATE A TWO-WAY LEFT-TURN LANE.
 - E. USE DOTTED LINES AS FOLLOWS:
 - 3' LINE SEGMENT, 9' GAP:
 - I. TO SEPARATE A THROUGH LANE AND A LANE THAT BECOMES A MANDATORY EXIT OR TURN LANE (DROPPED LANE).
 - II. TO SEPARATE THROUGH LANES AND TURN LANES OR RAMPS.
 - III. TO SEPARATE A THROUGH LANE AND AN AUXILIARY LANE TWO MILES OR LESS IN LENGTH BETWEEN FREEWAY ENTRANCE RAMP AND EXIT RAMPS OR ONE MILE OR LESS IN LENGTH BETWEEN INTERSECTIONS.
 - 2' LINE SEGMENT, 6' GAP:
 - I. AS A LANE LINE EXTENSION THROUGH AN INTERSECTION.
3. USE 12' VEHICULAR TRAVEL LANES UNLESS OTHERWISE INDICATED. MEASURE LANE WIDTHS FROM THE CENTER OF LINE TO THE CENTER OF LINE.
4. THE PAVEMENT MARKING APPLICATION EXAMPLES PRESENTED SHOW COMMON APPLICATION. MODIFY TO ACCOMODATE OTHER SITUATIONS.
5. METHODS FOR DETERMINING TURN-LANE LENGTH ARE DESCRIBED IN THE ITD TRAFFIC MANUAL.
6. USE 15W WHEN SPEEDS ARE 45 MPH OR MORE. USE 8W WHEN SPEEDS ARE 40 MPH OR LESS. W IS THE OFFSET WIDTH IN FEET.
7. USE DISTANCE L WHEN PRACTICAL. USE THE FOLLOWING EQUATIONS TO DETERMINE L:

40 MPH OR LESS SPEEDS	45 MPH OR MORE SPEEDS
$L = WS^2/60$	$L = WS$
$W =$ OFFSET WIDTH IN FEET	
$S =$ POSTED SPEED LIMIT, OFF-PEAK 85TH-PERCENTILE SPEED, OR OPERATING SPEED IN MPH	

 - A. ON PARALLEL ENTRANCE RAMPS, A TAPER LENGTH OF 300 FEET IS SUITABLE FOR DESIGN SPEEDS UP TO 70 MPH.
8. USE LANE-USE ARROWS AND WORD PAVEMENT MARKINGS AS SHOWN. SOME MARKINGS ARE OPTIONAL.
 - A. USE TWO OR MORE LANE-USE ARROWS UNLESS THE TURN-LANE LENGTH IS LESS THAN 75 FEET. IF SHORTER THAN 75 FEET, THE DOWNSTREAM ARROW CAN BE OMITTED.
 - B. USE TWO-WAY LEFT-TURN ARROW MARKINGS NEAR THE BEGINNING OF A TWO-WAY LEFT-TURN LANE AND EVERY 1/2 MILE THEREAFTER.
9. BREAK EDGE AND LANE LINES AT INTERSECTIONS WITH MINOR ROADS. CONTINUE EDGE AND LANE LINES THROUGH DRIVEWAY APPROACHES.
10. USE THE EXAMPLE EXIT RAMP WITH LANE-DROP WHEN THE LENGTH OF AN AUXILIARY DECELERATION LANE EXCEEDS 1/2 MILE.
11. ON TWO-LANE HIGHWAYS, PAINT THE CENTERLINE IN ONE DIRECTION IN ASCENDING STATION AND MILEPOST DIRECTION.
 - A. WHEN RUMBLE STRIPS ARE PRESENT OR AFTER PAVEMENT SURFACE TREATMENTS, ALTER PAINT TRUCK AND PAINT SECOND APPLICATION IN OPPOSITE DIRECTION.
12. DRAWINGS NOT TO SCALE.



EXAMPLE STOP LINE AND CROSSWALK DETAIL

REVISIONS								
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	03-20	RDL						
2	03-21	PBH						
3	03-25	RDL						

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CADD FILE NAME: 630-1_0425.dgn

DRAWING DATE: DECEMBER, 2016

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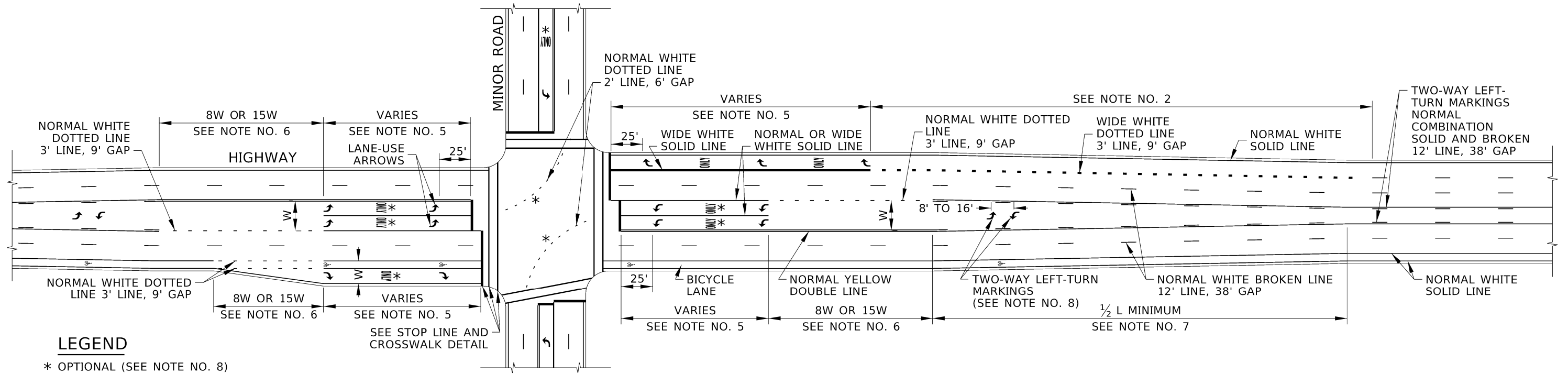
ORIGINAL SIGNED BY: MONICA CRIDER
HIGHWAY DESIGN ENGINEER

STANDARD DRAWING
PAVEMENT MARKINGS

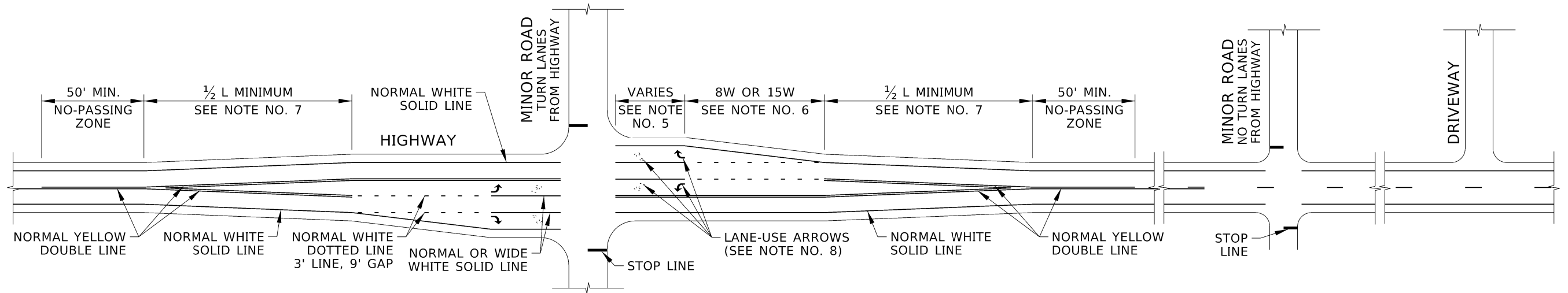
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STANDARD DRAWING NO.
630-1
SHEET 1 OF 4

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RYAN D. LANCASTER



EXAMPLE URBAN HIGHWAY PAVEMENT MARKINGS



EXAMPLE RURAL HIGHWAY PAVEMENT MARKINGS

SEE NOTE NO. 9

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REVISIONS								
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	03-20	RDL						
2	03-21	PBH						
3	03-25	RDL						

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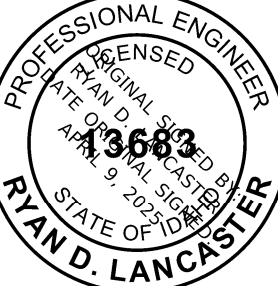
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 PAVEMENT MARKINGS

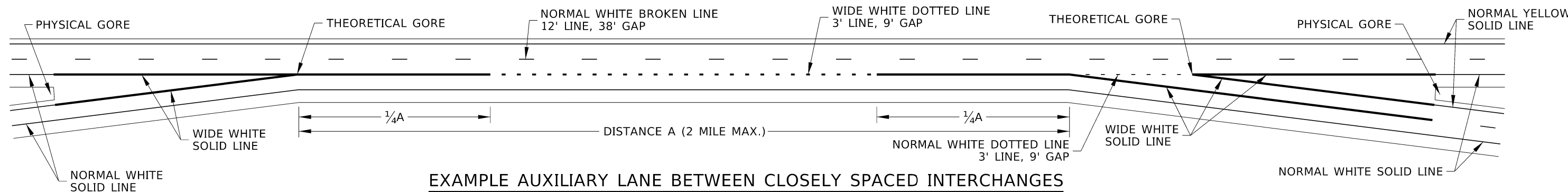
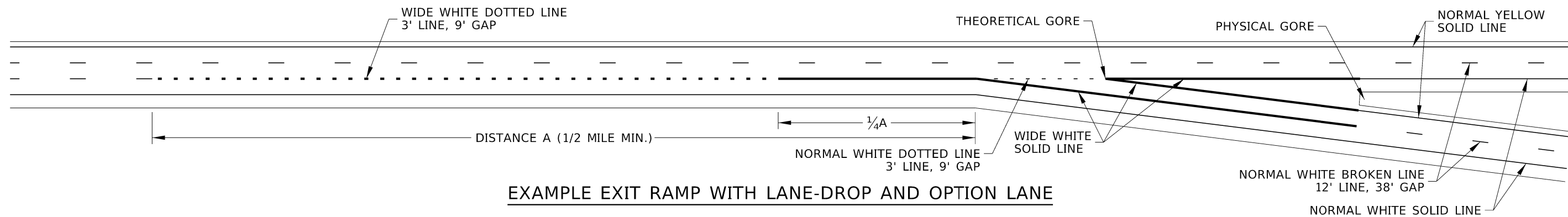
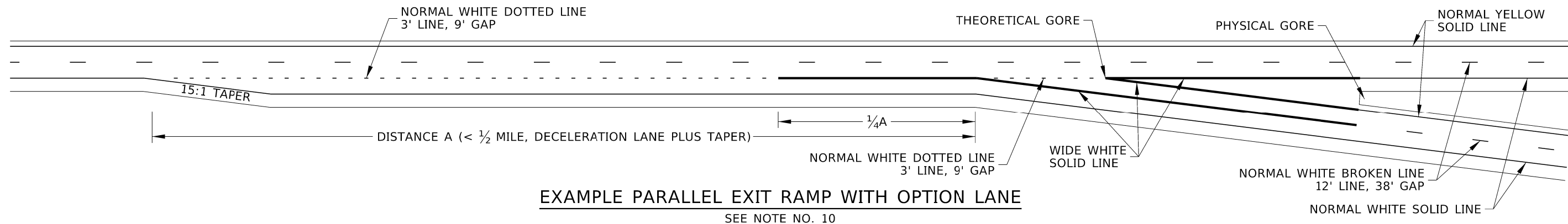
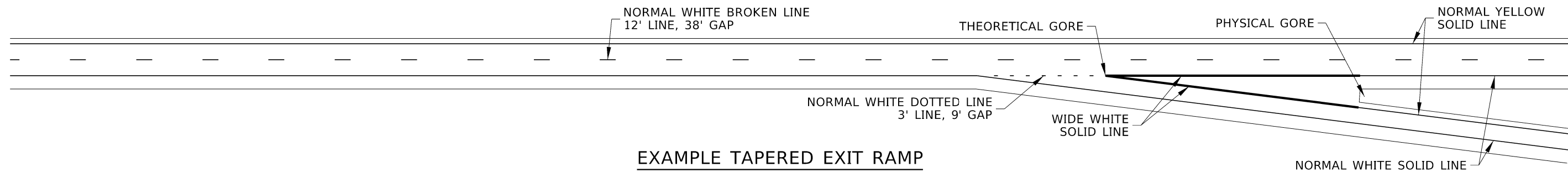
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 HIGHWAY DESIGN ENGINEER

STANDARD DRAWING NO. 630-1
 SHEET 2 OF 4

ENGLISH
 STANDARD DRAWING NO. 630-1
 SHEET 2 OF 4

PROFESSIONAL ENGINEER
 RYAN D. LANCASTER
 LICENSED
 ORIGINAL SIGNED BY
 DATE ORIGINAL SIGNED
 APRIL 9, 2023
 STATE OF IDAHO





REVISIONS									
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY	
1	03-20	RDL							
2	03-21	PBH							
3	03-25	RDL							

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HIGHWAY DESIGN ENGINEER

STANDARD DRAWING
PAVEMENT MARKINGS

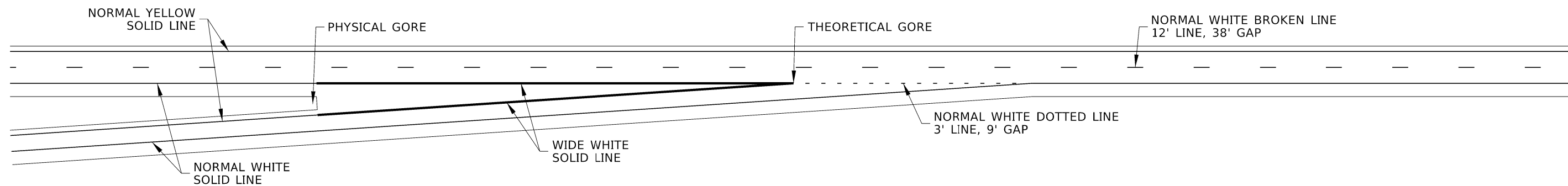
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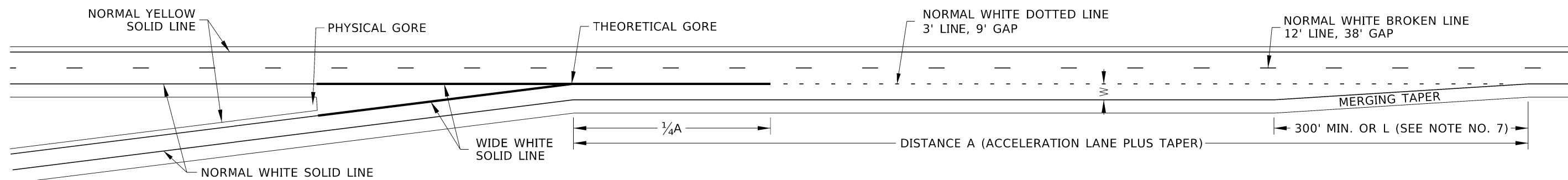
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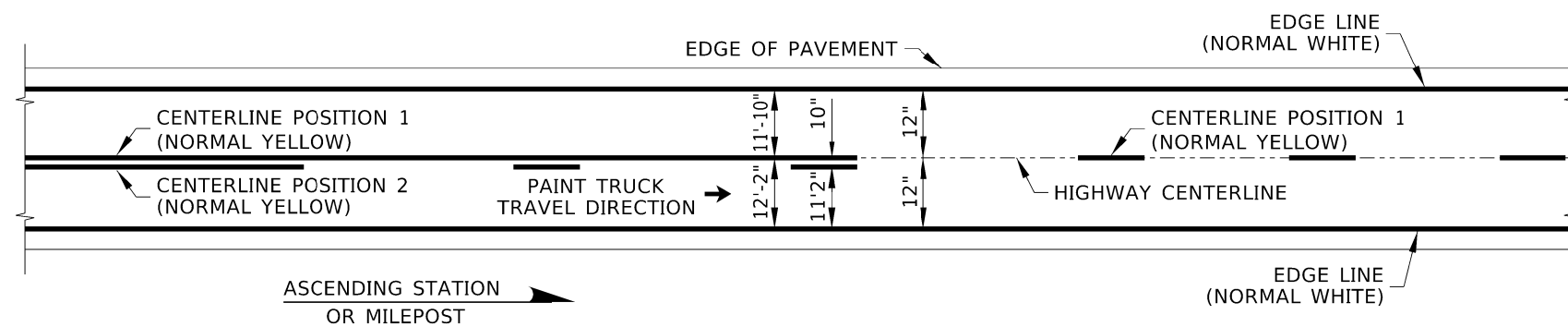
PROFESSIONAL ENGINEER
LICENSED
RYAN D. LANCASTER
AUG. 9, 2023
STATE OF IDAHO
3683
RYAN D. LANCASTER



EXAMPLE TAPERED ENTRANCE RAMP

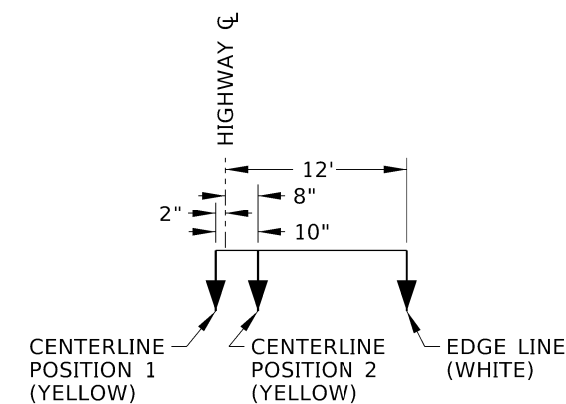


EXAMPLE PARALLEL ENTRANCE RAMP



PAVEMENT MARKINGS ON TWO-WAY HIGHWAYS

DIMENSIONS TO CENTER OF PAVEMENT MARKINGS
SEE NOTE NO. 11 AND PAINT TRUCK SETUP DETAIL



PAINT TRUCK SETUP DETAIL

REVISIONS									
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY	
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STANDARD DRAWING
PAVEMENT MARKINGS

ENGLISH
STANDARD DRAWING NO. 630-1
SHEET 4 OF 4

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PROFESSIONAL ENGINEER
RYAN D. LANCASTER
STATE OF IDAHO
LICENSE NO. 13683
DATE ORIGINAL SIGNED BY: APRIL 9, 2023