

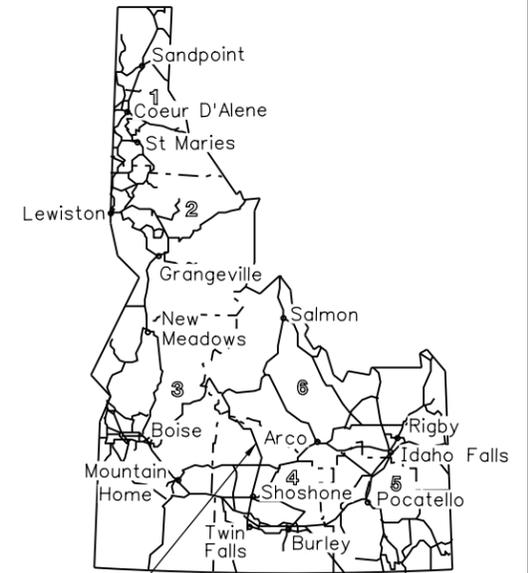
INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	TOTAL OWNERSHIP MAP
3	PROJECT CLEARANCE SUMMARY SHEET
4-5	MONUMENT PERPETUATION
6-11	TYPICAL SECTIONS
12-13	SUMMARY SHEETS
14	STORM SEWER SUMMARY SHEET
15-16	REMOVAL SHEETS
17-20	PLAN AND PROFILE SHEETS
21-29	ROADWAY DETAIL SHEETS
30-31	EROSION CONTROL
32-38	DRAINAGE SHEETS
39-45	ILLUMINATION & ELECTRICAL SHEETS
46-49	SIGNING AND PAVEMENT MARKING
50-54	TEMPORARY TRAFFIC CONTROL SHEETS
55-56	UTILITY SHEETS
L1.00-L3.04	LANDSCAPING (13 SHEETS)
1-24	*ITD STANDARD DRAWINGS

\*THE ATTACHED STANDARD DRAWINGS ARE INCLUDED FOR CONTRACTOR CONVENIENCE. SOME REQUIRED STANDARD DRAWINGS MAY NOT BE ATTACHED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ANY MISSING STANDARD DRAWINGS REQUIRED FOR THE WORK.

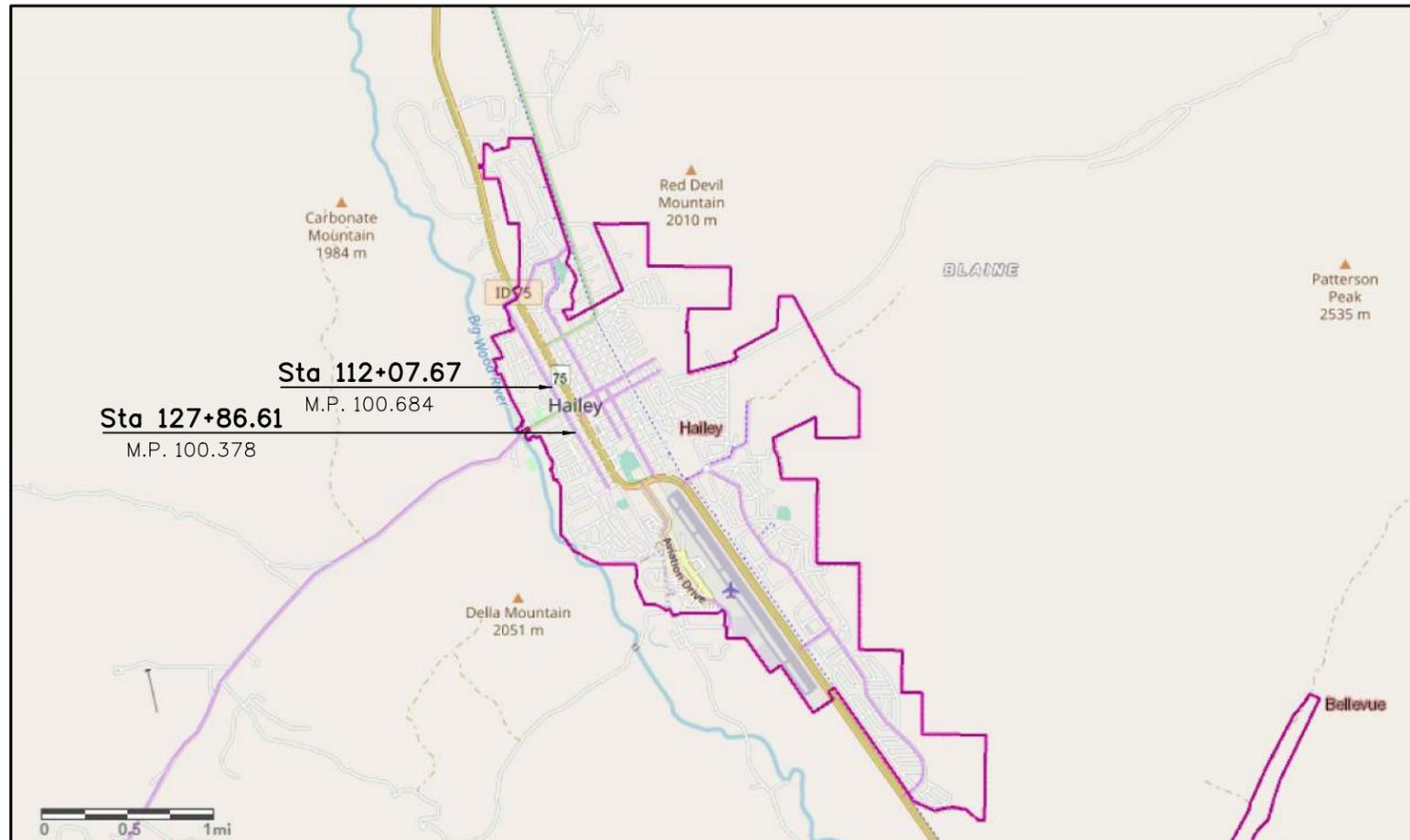
**IDAHO**  
**TRANSPORTATION DEPARTMENT**  


---

**PLAN AND PROFILE OF PROPOSED**  
**STC-8030, RIVER STREET, WALNUT TO GALENA, HAILEY**  
**FEDERAL AID PROJECT NO. A018(807)**  
**KEY NO. 18807**  
**BLAINE COUNTY**  
**October 2024**



**A018(807)**  
**RIVER STREET, WALNUT TO GALENA**  
**M.P. 100.378 - M.P. 100.684**  
**SEGMENT CODE 024278**



VICINITY MAP SCALE - NOT TO SCALE

**DESIGN DESIGNATION**

ADT 2019	2800
ADT 2047	7240
DHV 2019	280
DHV 2047	725
D	60/40
V	25MPH
<b>TRUCKS:</b>	
ADT 2019	56
ADT 2047	145
DHV 2019	6
DHV 2047	15



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 18807\_TITL\_001a  
 DRAWING DATE: 8/17/2023

**IDAHO**  
**TRANSPORTATION DEPARTMENT**  
  
**Stanley Consultants INC.** 

PROJECT NO.  
 A018(807)

TITLE SHEET  
**RIVER STREET**  
**WALNUT TO GALENA, HAILEY**

**English**  
 COUNTY  
**Blaine**  
 KEY NUMBER  
**18807**  
 SHEET 1 OF 56

*Monica Crider*  
 Approved for Advertising  
**11/25/2024**  
 Date Approved



8/17/2023 p:\7\SCI-PW\ITEG-2.stanleygroup.com\Datasource-1\Documents\Local\_Highway\_Technical\_Assistance\_Council\28427 - River Street, Walnut to Galena\11-CADD\Plan Sheets\10-Title-Maps\18807\_Proj\_Clearance\_Summary

**CLEARANCES**

PROJECT STANDARDS  
 CHARTER APPROVAL  AASHTO  3R  1R  STATE  
 PM  OTHER \_\_\_\_\_

DESIGN EXCEPTIONS: None

PUBLIC HEARING WAIVER \_\_\_\_\_

PUBLIC HEARING DATE (Latest hearing date held or scheduled for opportunity) \_\_\_\_\_

DESIGN APPROVAL \_\_\_\_\_

RECLAMATION PLAN APPROVAL NO(S) \_\_\_\_\_

AIRPORT \_\_\_\_\_

Land Survey Monument Search and Documentation (I.C.55-1613) \_\_\_\_\_

R/W CERTIFICATE: Issued by  HQ  DISTRICT \_\_\_\_\_

TRIBAL LANDS:  AGREEMENT REQUIRED  SPECIAL PROVISIONS FOR CONTRACT PROPOSAL \_\_\_\_\_

BRIDGE PS & E \_\_\_\_\_

ENVIRONMENTAL DECISION: TYPE  CAT-EX  FONSI  ROD \_\_\_\_\_

ENVIRONMENTAL RE-EVALUATION \_\_\_\_\_

* CLEARED UNDER PROJECT NO.	* APPROVAL DATE
A018(807)	5/15/2020
N/A	
N/A	
N/A	
N/A	
A018(807)	4/20/2021
A018(807)	2/28/2022
N/A	
N/A	
N/A	
A018(807)	12/21/2023
N/A	
N/A	
A018(807)	9/07/2021
A018(807)	11/06/2024

**ACCESS CONTROL DETERMINATION**  
FROM FORM ITD-606 (SUBMITTED FOR CHANGE ONLY)

PROJECT NO.	LOCATION	TYPE OF CONTROL
N/A	N/A	N/A

DESCRIPTION OF CONTROL TYPE: N/A

**PERMITS**

IDAHO DEPARTMENT OF WATER RESOURCES PERMIT NO(S) \_\_\_\_\_

US ARMY CORPS OF ENGINEERS 404 PERMIT NO(S) \_\_\_\_\_

OTHER \_\_\_\_\_

DEQ SECTION 401 WATER QUALITY CERTIFICATION  YES  NO

NPDES GENERAL PERMIT/SWPPP REQUIRED  YES  NO

POLLUTION PREVENTION PLAN REQUIRED  YES  NO

	* EXPIRATION DATE
N/A	
N/A	
N/A	

Estimating Basis

Subbase:  
Granular Subbase, 138 lb/cf, including 7% water

Base:  
Aggregate Base, 3/4" Type B., 148 lb/cf, including 7% water  
Aggregate Base, 2", 140 lb/cf, including 7% water

Paving:  
Superpave Hot Mix Asphalt, Class SP-2, PG 58-34, 147 lb/cf Including Asphalt

Tack Coat:  
CSS-1 Diluted Emulsified Asphalt for Tack Coat, 0.05 gal/sy

**AGREEMENTS** (List Appropriate Name)

LOCAL: CITY \_\_\_\_\_

COUNTY \_\_\_\_\_

HIGHWAY DISTRICT \_\_\_\_\_

ROAD CLOSURE AND MAINTENANCE \_\_\_\_\_

STATE/LOCAL CONSTRUCTION City of Hailey

N/A	
N/A	
N/A	
A018(807)	10/24/2023

IRRIGATION DISTRICT(S): Crossing Agreement Required  YES  NO  
(Signatures Required on either Structure Drawing or Bridge Sheet)

\* APPROVAL DATES

UTILITIES: List all Utilities shown on plans

Co. Idaho Power  RETAIN & PROTECT

Co. Intermountain Gas

Co. Lumen

Co. Century Link

Co. Cox Cable

Co. City of Hailey

Co. \_\_\_\_\_

UTILITY HEARING WAIVER	AGREEMENT	* AGREEMENT NO.
8/07/2023		
8/01/2023		

RAILROAD List all Railroads encroached upon

Co. \_\_\_\_\_

Co. \_\_\_\_\_

* AGREEMENT FOR	EFFECTIVE DATE	NO.

\* 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 G.Shuger

DESIGN CHECKED J.Hillemonds

DETAILED B.Heuvelhorst

DRAWING CHECKED J. Hillemonds

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY

CADD FILE NAME 18807\_Proj\_Clear

DRAWING DATE: 8/17/2023

**IDAHO TRANSPORTATION DEPARTMENT**



Stanley Consultants INC.



PROJECT NO.  
A018(807)

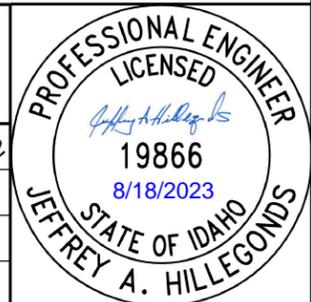
PROJECT CLEARANCE  
RIVER STREET  
WALNUT TO GALENA, HAILEY

**English**

COUNTY Blaine

KEY NUMBER 18807

SHEET 3 OF 56



Idaho Code 55-1613 Compliance Document  
 I.C. 55-1613 Monuments Disturbed by Construction Activities  
 RIVER ST.; WALNUT TO GALENA Project A018(807)  
 Monument Locations  
 Blaine County GIS Coordinate System

GROUND

INTERSECTING STREETS	TOWNSHIP	RANGE	SECTION	CORNER	CP&F NUMBER	DESCRIPTION	NORTHING	EASTING
Chestnut St./River St.	2 N.	18 E.	9	N/A	N/A	Aluminum Cap	673708.88	1557868.48
Walnut St./River St.	2 N.	18 E.	9	N/A	N/A	1/2" Iron Rod	674760.96	1557291.10
Walnut St./Main St.	2 N.	18 E.	9	N/A	N/A	5/8" Iron Rod	674937.21	1557611.73
West End of Croy St.	2 N.	18 E.	9	N/A	N/A	1/2" Iron Rod	674721.98	1556388.48
Croy St./River St.	2 N.	18 E.	9	N/A	N/A	Aluminum Cap	675111.86	1557098.50
Croy St./Main St.	2 N.	18 E.	9	N/A	N/A	5/8" Iron Rod	675287.99	1557419.27
Bullion St./River St.	2 N.	18 E.	9	N/A	N/A	Aluminum Cap	675462.28	1556906.33
Bullion St./Main St.	2 N.	18 E.	9	N/A	N/A	1/2" Iron Rod	675638.43	1557227.03
Galena Dr./Carbonate St.	2 N.	18 E.	9	N/A	N/A	1/2" Iron Rod	675646.79	1556452.30
Carbonate St./River St.	2 N.	18 E.	9	N/A	N/A	Aluminum Cap	675812.72	1556713.99
Carbonate St./Main St.	2 N.	18 E.	9	N/A	N/A	5/8" Iron Rod	675988.88	1557034.79

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
DESIGN CHECKED	CADD FILE NAME
DETAILED	DRAWING DATE: December 2018
DRAWING CHECKED	

IDAHO  
TRANSPORTATION  
DEPARTMENT

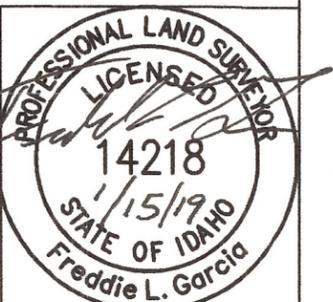


Garcia Land Surveying, LLC

PROJECT NO.	A018(807)
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MONUMENT PERPETUATION	RIVER ST. WALNUT TO GALENA
-----------------------	-------------------------------

COUNTY	Blaine
KEY NUMBER	18807
SHEET	4 OF 56



Idaho Code 55-1613 Compliance Document  
 I.C. 55-1613 Monuments Disturbed by Construction Activities  
 RIVER ST.; WALNUT TO GALENA Project A018(807)  
 Monument Locations  
 Blaine County GIS Coordinate System

GROUND

INTERSECTING STREETS	TOWNSHIP	RANGE	SECTION	CORNER	CP&F NUMBER	DESCRIPTION	NORTHING	EASTING
Galena Dr./Galena St.	2 N.	18 E.	9	N/A	N/A	5/8" Iron Rod	676015.02	1556250.50
Galena St./River St.	2 N.	18 E.	9	N/A	N/A	Aluminum Cap	676163.19	1556521.70
Galena St./Main St.	2 N.	18 E.	9	N/A	N/A	5/8" Iron Rod	676339.42	1556842.50
Myrtle St./River St.	2 N.	18 E.	9	N/A	N/A	Aluminum Cap	677213.97	1555944.89

REVISIONS			
NO.	DATE	BY	DESCRIPTION

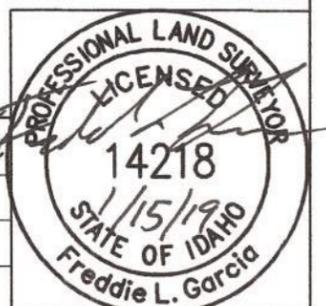
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DESIGN CHECKED	
DETAILED	
DRAWING CHECKED	

IDAHO  
 TRANSPORTATION  
 DEPARTMENT  
  
 Garcia Land Surveying, LLC

PROJECT NO.	A018(807)
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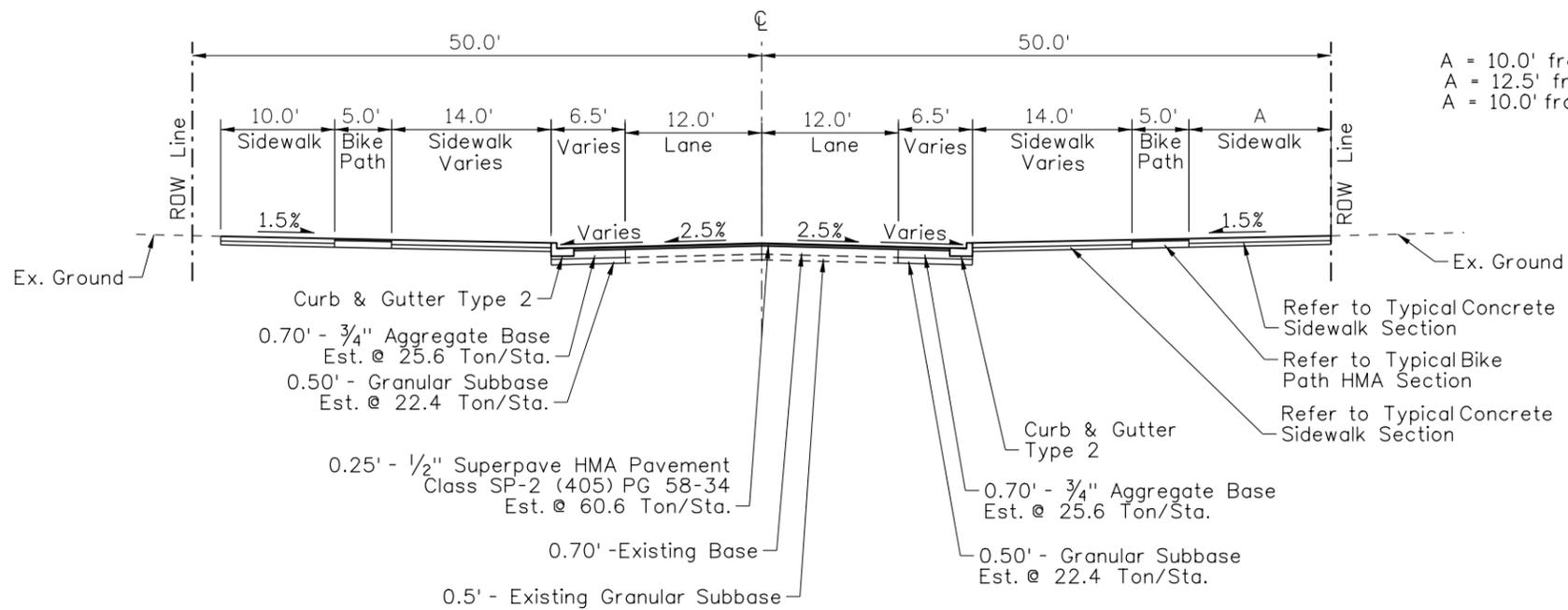
MONUMENT PERPETUATION	RIVER ST. WALNUT TO GALENA
-----------------------	-------------------------------

COUNTY	Blaine
KEY NUMBER	18807
SHEET	5 OF 56



### RIVER STREET TYPICAL SECTION 1

Sta. 115+98.44 to Sta. 116+78.00  
 Sta. 119+16.00 to Sta. 120+20.00



A = 10.0' from Sta. 115+98.44 to Sta. 116+78.00  
 A = 12.5' from Sta. 119+16.00 to Sta. 119+93.00  
 A = 10.0' from Sta. 119+93.50 to Sta. 120+20.00

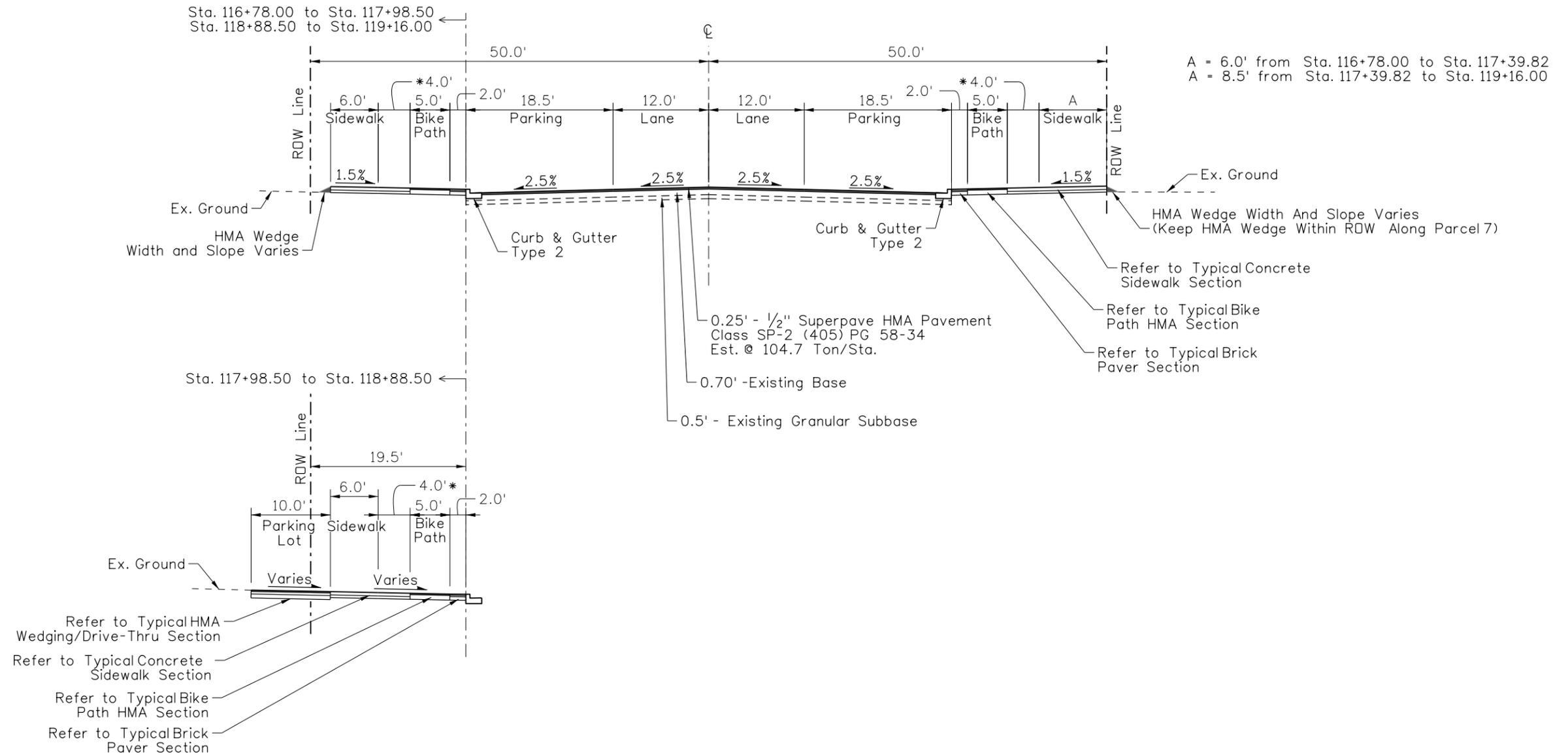
8/17/2023 p:\7\SCI-PW\INTEG-2.stanleygroup.com\Dataproject\1\Documents\Local\_Highway\_Technical\_Assistance\_Council\28427 - River Street, Walnut to Galena\11-CADD\Plan Sheets\11-Typicals\18807\_typi\_001.DGN

<b>REVISIONS</b>				DESIGNED G. Shuger		SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY  <b>IDAHO TRANSPORTATION DEPARTMENT</b>  Stanley Consultants INC.		PROJECT NO.  A018(807)		TYPICAL SECTION SHEET 1  RIVER STREET; WALNUT TO GALENA, HAILEY		<b>English</b>				
NO.	DATE	BY	DESCRIPTION	DESIGN CHECKED J. Hillegonds				CADD FILE NAME 18807 TYPI_001		COUNTY Blaine		KEY NUMBER 18807			SHEET 6 OF 56	
				DETAILED B. Heuvelhorst				DRAWING DATE: 8/17/2023								
				DRAWING CHECKED J. Hillegonds												

### RIVER STREET TYPICAL SECTION 2

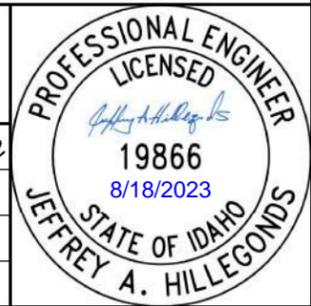
Sta. 116+78.00 to Sta. 119+16.00

\* Tree and Planting Area, See Landscape Sheets



8/17/2023 p:\7\SCI-PW\INTEG-2.stanleygroup.com\Datapoint\1\Documents\Local\_Highway\_Technical\_Assistance\_Council\28427 - River Street, Walnut to Galena\11-CADD\Plan Sheets\11-Typicals\18807\_typi\_002

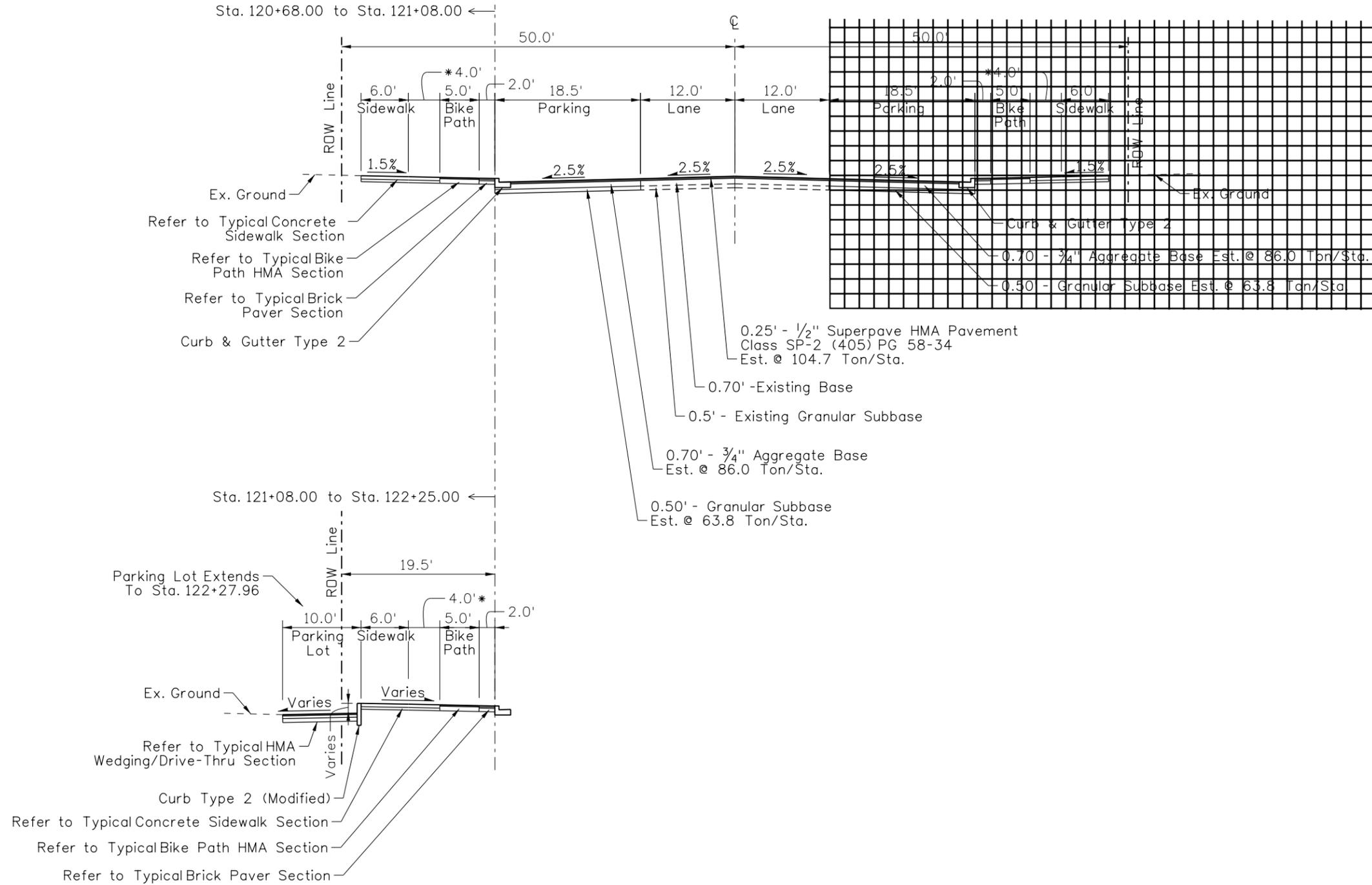
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REVISIONS																																	
NO.	DATE	BY	DESCRIPTION																														



### RIVER STREET TYPICAL SECTION 3

Sta. 120+68.00 to Sta. 122+25.00

\* Tree and Planting Area, See Landscape Sheets



Removed from bid

8/17/2023 p:\7\SCI-PW\INTEG-2.stanleygroup.com\Datapoint\1\Documents\Local\_Highway\_Technical\_Assistance\_Council\28427 - River Street, Walnut to Galena\11-CADD\Plan Sheets\11-Typicals\18807\_typi\_003

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	G. Shuger
DESIGN CHECKED	J. Hillegonds
DETAILED	B. Heuvelhorst
DRAWING CHECKED	J. Hillegonds

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY

CADD FILE NAME 18807 TYP1\_003

DRAWING DATE: 8/17/2023

**IDAHO TRANSPORTATION DEPARTMENT**



Stanley Consultants INC. 

PROJECT NO. A018(807)

TYPICAL SECTION SHEET 3

**RIVER STREET;  
WALNUT TO GALENA, HAILEY**

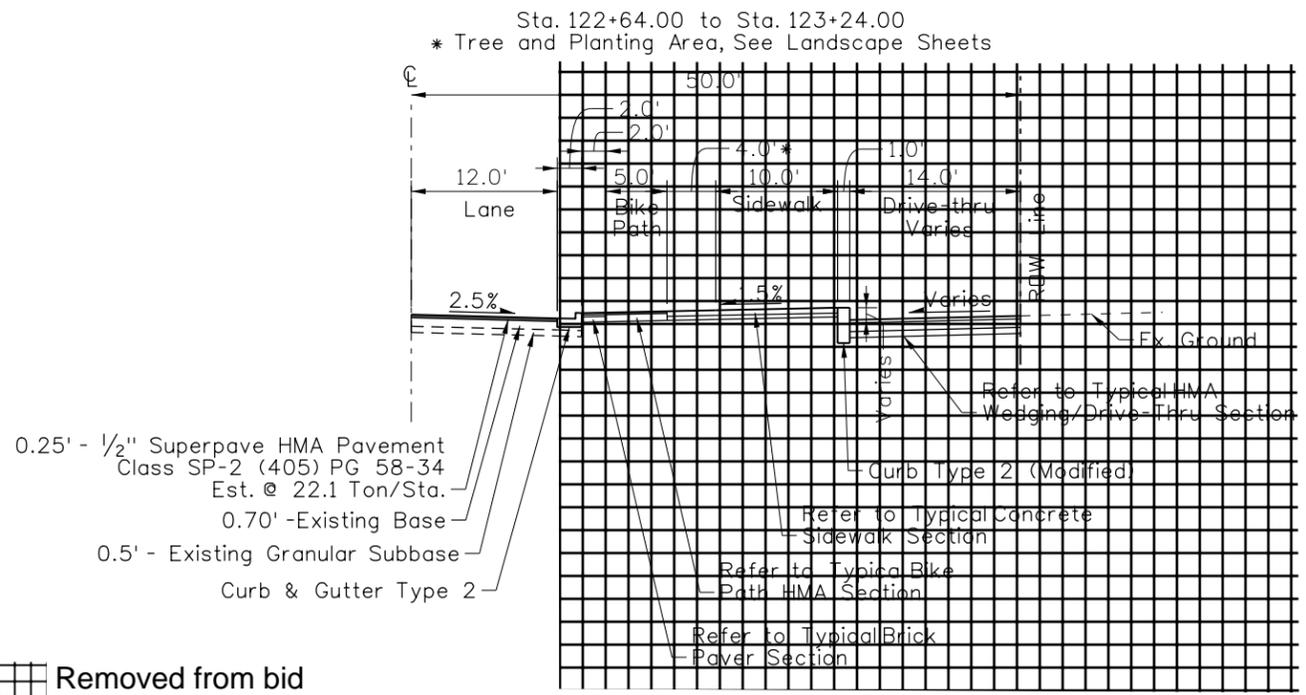
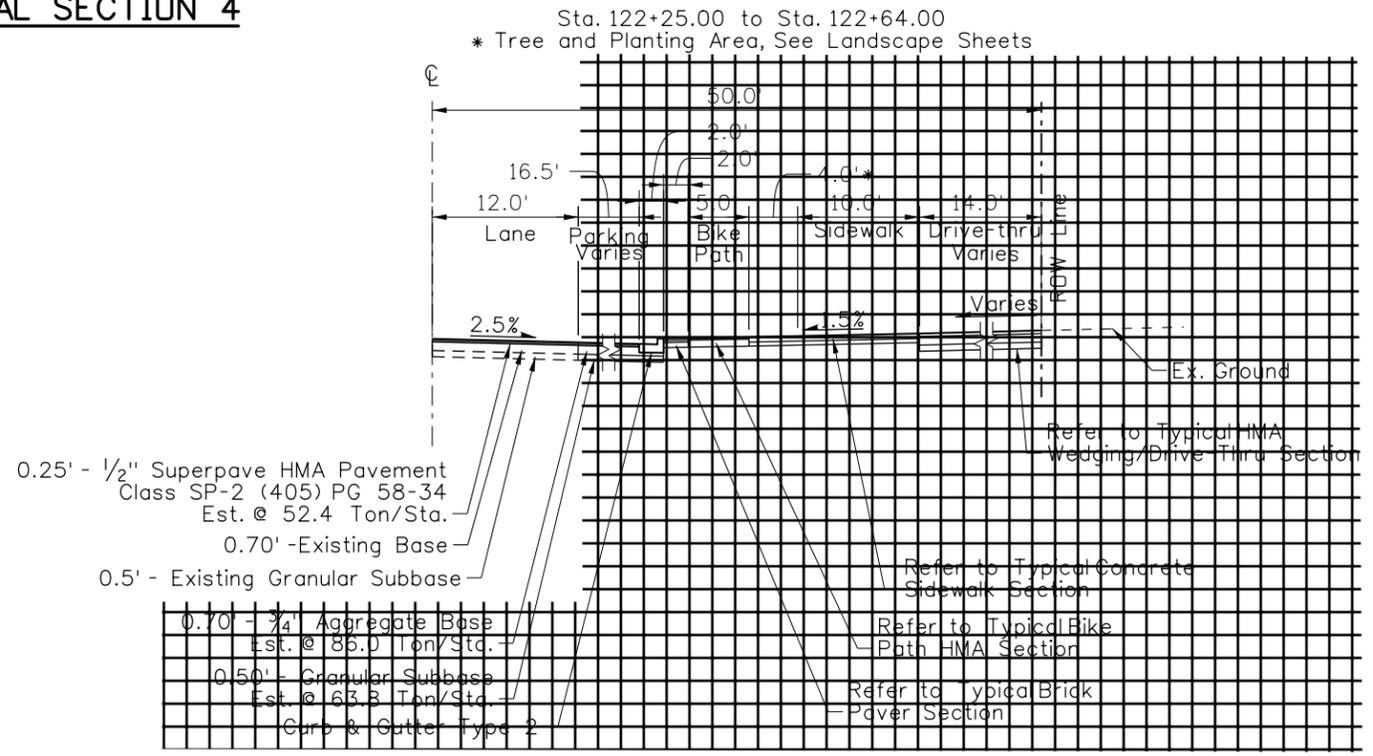
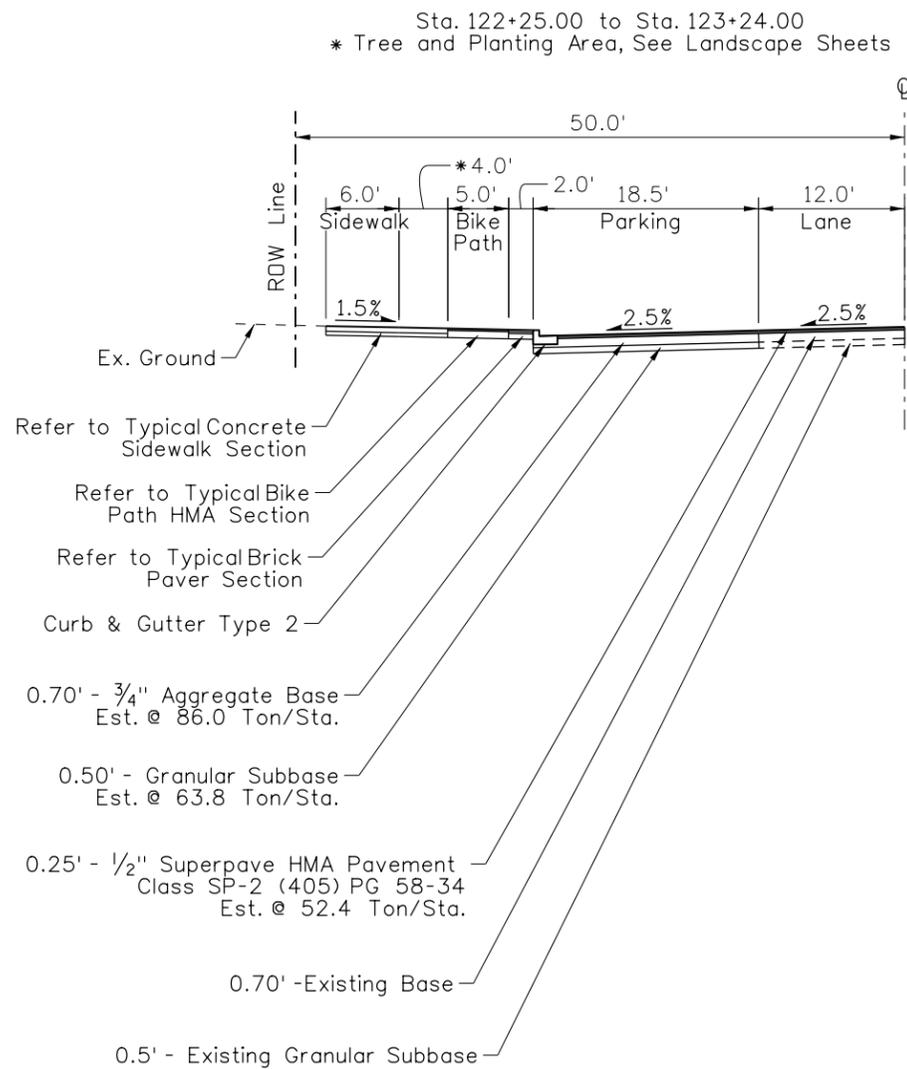
**English**

COUNTY Blaine

KEY NUMBER 18807

SHEET 8 OF 56

### RIVER STREET TYPICAL SECTION 4



Removed from bid

8/17/2023 p:\7\SCI-PW\TEG-2.stanleygroup.com\Datapoint\Technical\_Assistance\_Council\28427 - River Street, Walnut to Galena\11-CADD\Plan Sheets\11-Typicals\18807\_typi\_004

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	G. Shuger
DESIGN CHECKED	J. Hillegonds
DETAILED	B. Heuvelhorst
DRAWING CHECKED	J. Hillegonds

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY

CADD FILE NAME 18807 TYP1\_004

DRAWING DATE: 8/17/2023

**IDAHO TRANSPORTATION DEPARTMENT**

Stanley Consultants INC.




PROJECT NO. A018(807)

TYPICAL SECTION SHEET 4

**RIVER STREET;  
WALNUT TO GALENA, HAILEY**

**English**

COUNTY Blaine

KEY NUMBER 18807

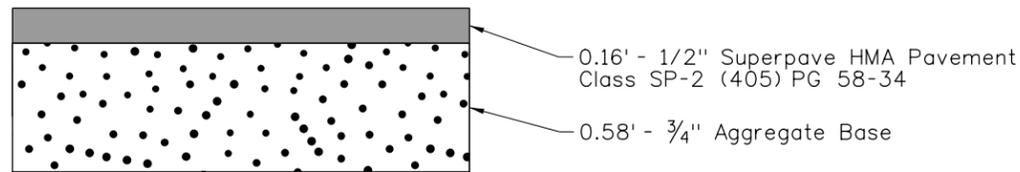
SHEET 9 OF 56

PROFESSIONAL ENGINEER  
LICENSED  
*Jeffrey A. Hillegonds*  
19866  
8/18/2023  
STATE OF IDAHO  
JEFFREY A. HILLEGONDS



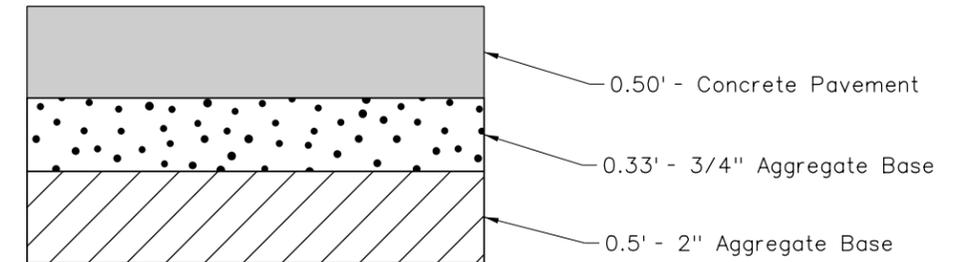
**TYPICAL HMA BIKE PATH SECTION**

N.T.S.



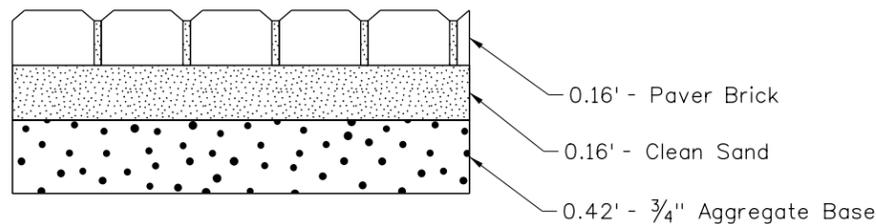
**TYPICAL CONCRETE DRIVEWAY APPROACH SECTION**

N.T.S.



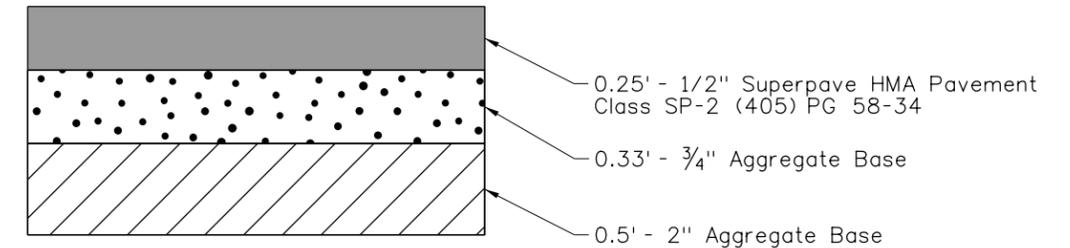
**TYPICAL BRICK PAVER SECTION**

N.T.S.



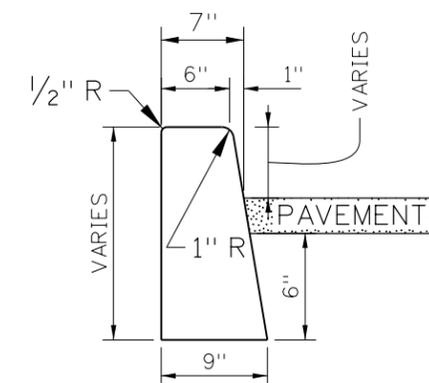
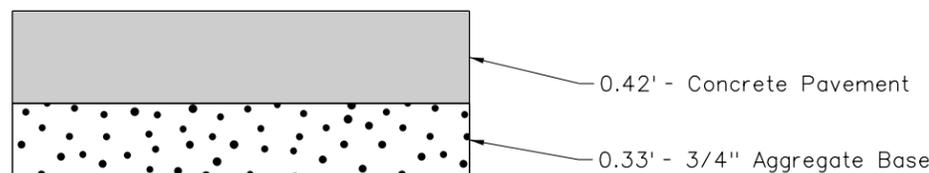
**TYPICAL HMA WEDGING/DRIVE-THRU SECTION**

N.T.S.



**TYPICAL CONCRETE SIDEWALK SECTION**

N.T.S.



**CURB TYPE 2 (MODIFIED)**

8/17/2023 p:\7\SCI-PW\INTEG-2.stanleygroup.com\Datatource-1\Documents\Loca\_Highway\_Technical\_Assistance\_Council\28427 - River Street, Walnut to Galena\11-CADD\Plan Sheets\11-Typicals\18807\_typedt\_001a

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	G.Shuger
DESIGN CHECKED	J.Hillemonds
DETAILED	B.Heuvelhorst
DRAWING CHECKED	J. Hillemonds

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME 18807_typedt_001a
DRAWING DATE: 8/17/2023

**IDAHO TRANSPORTATION DEPARTMENT**

Stanley Consultants INC.




PROJECT NO.	A018(807)
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TYPICAL DETAIL 1	RIVER STREET; WALNUT TO GALENA, HAILEY
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<b>English</b>
COUNTY Blaine
KEY NUMBER 18807
SHEET 11 OF 56

8/17/2023 p:\7\SCI-PW\ITEG-2.stanleygroup.com\Dataproject\1\Documents\Loco\_Highway\_Technical\_Assistance\_Council\28427 - River Street, Walnut to Galena\11-CADD\Plan Sheets\12-Summary\18807\_summ\_001.DGN

SHEET NUMBER				14	15	16	17	19	29	30	31	46	47	48	50	51	52	53	NOTES
STATION - STATION				-	115+98 119+20	119+20 123+98	115+98 119+20	119+20 123+98	118+13	115+98 119+20	119+20 123+98	-	115+98 119+20	119+20 123+98	-	-	-	-	-
ITEM NO.	ITEM	UNIT	TOTAL	-	322 ft	478 ft	322 ft	478 ft	-	322 ft	478 ft	-	322 ft	478 ft	-	-	-	-	-
107-019A	SURVEY MONUMENT PRESERVATION	CA	5000																
201-010A	CLEARING AND GRUBBING (APPROX. 0.1 ACRES)	LS	1																
202-005A	SELECTIVE REMOVAL OF TREES	EACH	8		6	2													
203-006A	REMOVAL OF SIGN	EACH	7		3	4													
203-015A	REMOVAL OF BITUMINOUS SURFACE (~THICKNESS 3")	SY	7695		3383	4312													
203-060A	REMOVAL OF CONCRETE SIDEWALK	SY	542		189	353													
203-070A	REMOVAL OF CURB AND GUTTER	FT	801		368	433													
203-090A	REMOVAL OF INLET	EACH	2		0	2													
203-095A	REMOVAL OF MANHOLE	EACH	4		1	3													
203-123A	REMOVAL OF MISCELLANEOUS (STORM PIPE)	FT	190		0	190													
205-005A	EXCAVATION	CY	1200.8																
205-060A	WATER FOR DUST ABATEMENT	MG	230.4																
212-011A	FIBER WATTLE	FT	300							115	185								
212-095A	INLET PROTECTION	EACH	22							3	19								
212-105A	WATER AND POLLUTION	CA	20,000																
212-110A	WATER POLLUTION CONTROL MANAGER	LS	1																
301-005A	GRANULAR SUBBASE	TON	527.9																
303-005A	2" AGGREGATE FOR BASE	TON	285																
303-022A	3/4" AGGREGATE TYPE B FOR BASE	TON	1816.7																
401-020A	CSS-1 DILUTED EMULSIFIED ASPHALT FOR TACK COAT	GAL	614																B
405-425A	SUPERPAVE HMA PAVEMENT INCLUDING ASPHALT & ADDITIVES CLASS SP-2	TON	980.8																
605-025A	12" STORM SEWER PIPE	FT	650.65																
605-460A	MANHOLE TYPE B	EACH	4																
605-505A	CATCH BASIN TYPE 1A	EACH	10																
605-525A	CATCH BASIN TYPE 3A	EACH	3																
605-635A	ADJUST MANHOLE COVERS	EACH	5				2	3											
605-640A	ADJUST VALVE COVERS	EACH	5					5											D
605-655A	DRYWELL (DIRECT ENTRY)	EACH	7																
203-002A	REMOVAL OF OBSTRUCTION ( BUS SHELTER FOUNDATION )	EACH	1						1										

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED G.Shuger	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY  CADD FILE NAME 18807_summ_001  DRAWING DATE: 8/17/2023
DESIGN CHECKED J.Hillemonds	
DETAILED B.Heuvelhorst	
DRAWING CHECKED J.Hillemonds	

**IDAHO TRANSPORTATION DEPARTMENT**

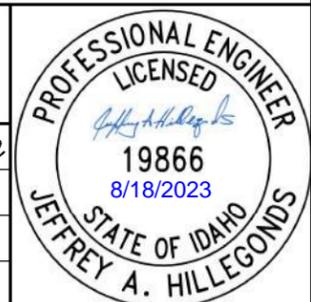
Stanley Consultants INC.




PROJECT NO.  
**A018(807)**

SUMMARY 1  
**RIVER STREET  
WALNUT TO GALENA, HAILEY**

**English**  
 COUNTY  
 Blaine  
 KEY NUMBER  
 18807  
 SHEET 12 OF 56



8/17/2023 p:\7\SCI-PW\INTEG-2.stanleygroup.com\Datapoint\1\Documents\Loco\_Highway\_Technical\_Assistance\_Council\28427 - River Street, Walnut to Galena\11-CADD\Plan Sheets\12-Summary\18807\_summ\_002.DGN

SHEET NUMBER				14	15	16	17	19	29	30	31	46	47	48	50	51	52	53	NOTES
STATION - STATION				-	115+98 119+20	119+20 123+98	115+98 119+20	119+20 123+98	118+13	115+98 119+20	119+20 123+98	-	115+98 119+20	119+20 123+98	-	-	-	-	-
ITEM NO.	ITEM	UNIT	TOTAL	-	322 ft	478 ft	322 ft	478 ft	-	322 ft	478 ft	-	322 ft	478 ft	-	-	-	-	-
614-015A	SIDEWALK	SY	0				634.3	790.6											
614-020A	DRIVEWAY	SY	286.1				195.5	190.6											
614-025A	CURB RAMP	SY	202.8				61	141.8											
615-257A	CURB TYPE 2 (MODIFIED)	FT	72				0	72											
615-492A	CURB & GUTTER TYPE 2	FT	1479.4				710.8	768.6											
616-010A	SIGNS TYPE B	SF	58									58							
616-040J	BREAKAWAY STEEL SIGN POST TYPE E	LB	98									271							
616-080A	REINSTALL SIGNS	EACH	2									2							
619-010A	ILLUMINATION TYPE 2	LS	0																A
620-005A	TOPSOIL (AT 32" DEPTH)	CY	120																C
620-005A	TOPSOIL (AT 14" DEPTH)	CY	45																C
620-010A	MULCH (AT 4" DEPTH)	CY	26																C
<del>620-020A</del>	<del>PLANTING TREE (SEEDLING OR CONTAINER), 3" CALIPER NORTHERN HONEYLOCUST HARVE</del>	<del>EACH</del>	<del>0</del>																<del>C</del>
<del>620-020B</del>	<del>PLANTING TREE (SEEDLING OR CONTAINER), 3" CALIPER SWAMP WHITE OAK</del>	<del>EACH</del>	<del>0</del>																<del>C</del>
<del>620-025A</del>	<del>PLANTING (GROUND COVER), 1 GALLON ECHIINACEA</del>	<del>EACH</del>	<del>0</del>																<del>C</del>
<del>620-025B</del>	<del>PLANTING (GROUND COVER), 1 GALLON CATMINT</del>	<del>EACH</del>	<del>0</del>																<del>C</del>
<del>620-035C</del>	<del>PLANTING (GROUND COVER), 1 GALLON BLUE OAT GRASS</del>	<del>EACH</del>	<del>0</del>																<del>C</del>
626-010A	TEMPORARY TRAFFIC CONTROL SIGNS	SF	887.2												887.2				
626-040A	BARRICADE TYPE 3	EACH	28													9	9	10	
626-050A	DRUMS	EACH	60													10	50	0	
626-105A	TEMPORARY TRAFFIC CONTROL MAINTENANCE	HR	700																
626-120A	FLAGGER CONTROL	HR	200																
630-010A	TRANSVERSE/SYMBOL/ARROW PAVEMENT MARKINGS - PREF. THERMOPLASTIC	SF	1401.8										436.6	965.2					
630-025A	LONGITUDINAL PAVEMENT MARKING - WATERBORNE	FT	3055										1634	1421					
652-005A	UNDERGROUND SPRINKLER SYSTEM	LS	1																C
675-005A	SURVEY	LS	1																
675-010A	DIRECTED SURVEYING	CA	30,000																
677-005A	RECORD DRAWINGS	LS	1																
S901-05A	ADJUST WATER METER COVER	EACH	1				1												D
S901-05B	RELOCATE FIRE HYDRANT	EACH	1					1											
<del>S901-05C</del>	<del>BUS STOP SHELTER CONCRETE PAD AND FOUNDATION</del>	<del>EACH</del>	<del>0</del>						0										
S901-05D	BOLLARDS	EACH	3																A
S901-05E	TREE WELLS	EACH	18																C
S901-05F	CHIEF CLIFF BOULDERS (2,000 LBS)	EACH	31																C
S911-05A	4" RIBBON CURB	FT	628																C
S912-05A	BRICK PAVER WITH SAND BASE	SY	141																
Z629-05A	MOBILIZATION	LS	1																

S901-05H SP - ABANDON WATER METER EACH 1

- NOTES: A. Refer to "Illumination & Electrical" sheets for information.  
 B. This quantity includes two applications for pavement areas with two lifts.  
 C. Refer to "Landscaping" sheets for information.  
 D. Estimated quantity. Final locations and quantities to be determined during construction.

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED G.Shuger  
 DESIGN CHECKED J.Hillemonds  
 DETAILED B.Heuvelhorst  
 DRAWING CHECKED J.Hillemonds

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY  
 CADD FILE NAME 18807\_summ\_002  
 DRAWING DATE: 8/17/2023



PROJECT NO. A018(807)

SUMMARY 2  
 RIVER STREET  
 WALNUT TO GALENA, HAILEY

**English**  
 COUNTY Blaine  
 KEY NUMBER 18807  
 SHEET 13 OF 56



8/17/2023 p:\7\SCI-PW\TEG-2.stanleygroup.com\Datapoint\1\Documents\Loco\_Highway\_Technical\_Assistance\_Council\28427 - River Street, Walnut to Galena\11-CADD\Plan\_Sheets\22-Drainage\18807\_hydr\_000.DGN

LABEL	STATION	OFFSET	STRUCTURE TYPE					FLOWS FROM	FLOWS TO	PIPE SIZE (INCHES)
			CATCH BASIN TYPE 1A (EA)	CATCH BASIN TYPE 3A (EA)	MANHOLE TYPE B (EA)	DRYWELL (DIRECT ENTRY) (EA)	STORM SEWER PIPE LENGTH (FT)			
I-2	116+24.34	25.46 LT	1							
I-3	119+30.10	25.11 RT	1							
I-5	120+30.30	69.69 RT	1							
I-6	119+60.21	85.59 LT	1							
I-7	119+32.82	23.77 LT	1							
I-8	119+68.07	25.40 LT	1							
<del>I-9</del>	<del>122+22.54</del>	<del>30.47 RT</del>	<del>1</del>							
<del>I-10</del>	<del>123+27.85</del>	<del>35.00 RT</del>	<del>1</del>							
I-11	123+27.85	14.00 RT	1							
I-12	123+36.00	24.33 LT	1							
I-13	123+56.21	83.62 LT	1							
I-14	121+21.44	51.82 LT		1						
I-15	122+30.00	51.82 LT		1						
I-16	123+34.14	52.51 LT		1						
I-17	123+79.16	52.16 RT	1							
DW-1	116+20.25	62.45 RT				1				
DW-2	116+16.01	21.41 LT				1				
DW-3	120+11.36	62.13 RT				1				
DW-4	119+45.66	5.19 LT				1				
DW-5	121+67.70	51.82 LT				1				
DW-6	123+83.65	0.57 RT				1				
DW-7	123+57.73	46.60 LT				1				
MH-1	119+60.97	33.22 LT			1					
MH-2	120+14.85	84.70 LT			1					
MH-3	122+28.98	14.00 RT			1					
MH-4	119+86.02	62.09 RT			1					
P-2							4.70	I-2	DW-2	12
P-3							66.25	I-3	MH-4	12
P-4							18.80	MH-4	DW-3	12
P-5							17.91	I-5	MH-2	12
P-6							51.07	MH-2	I-6	12
P-7							50.15	I-6	MH-1	12
P-8							11.13	MH-1	I-8	12
P-9							20.22	I-8	DW-4	12
P-10							26.69	I-7	MH-1	12
P-11							40.26	I-14	DW-5	12
P-12							56.30	I-15	DW-5	12
<del>P-13</del>							<del>15.20</del>	<del>I-9</del>	<del>MH-3</del>	<del>12</del>
P-14							95.81	MH-3	I-11	12
<del>P-15</del>							<del>22.33</del>	<del>I-10</del>	<del>I-11</del>	<del>12</del>
P-16							49.86	I-11	DW-6	12
P-17							26.14	I-12	DW-7	12
P-18							16.85	I-15	DW-6	12
P-19							29.88	I-12	DW-6	12
P-20							44.44	I-17	DW-6	12
P-21							20.00	Existing	I-6	12

TOTALS 10 3 4 7 684

REVISIONS			
NO.	DATE	BY	DESCRIPTION
			DESIGNED G.Shuger
			DESIGN CHECKED J.Hillegonds
			DETAILED B.Heuvelhorst
			DRAWING CHECKED J.Hillegonds

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY  
 CADD FILE NAME 18807 hydr\_000  
 DRAWING DATE: 8/17/2023

**IDAHO TRANSPORTATION DEPARTMENT**



Stanley Consultants INC. 

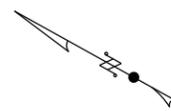
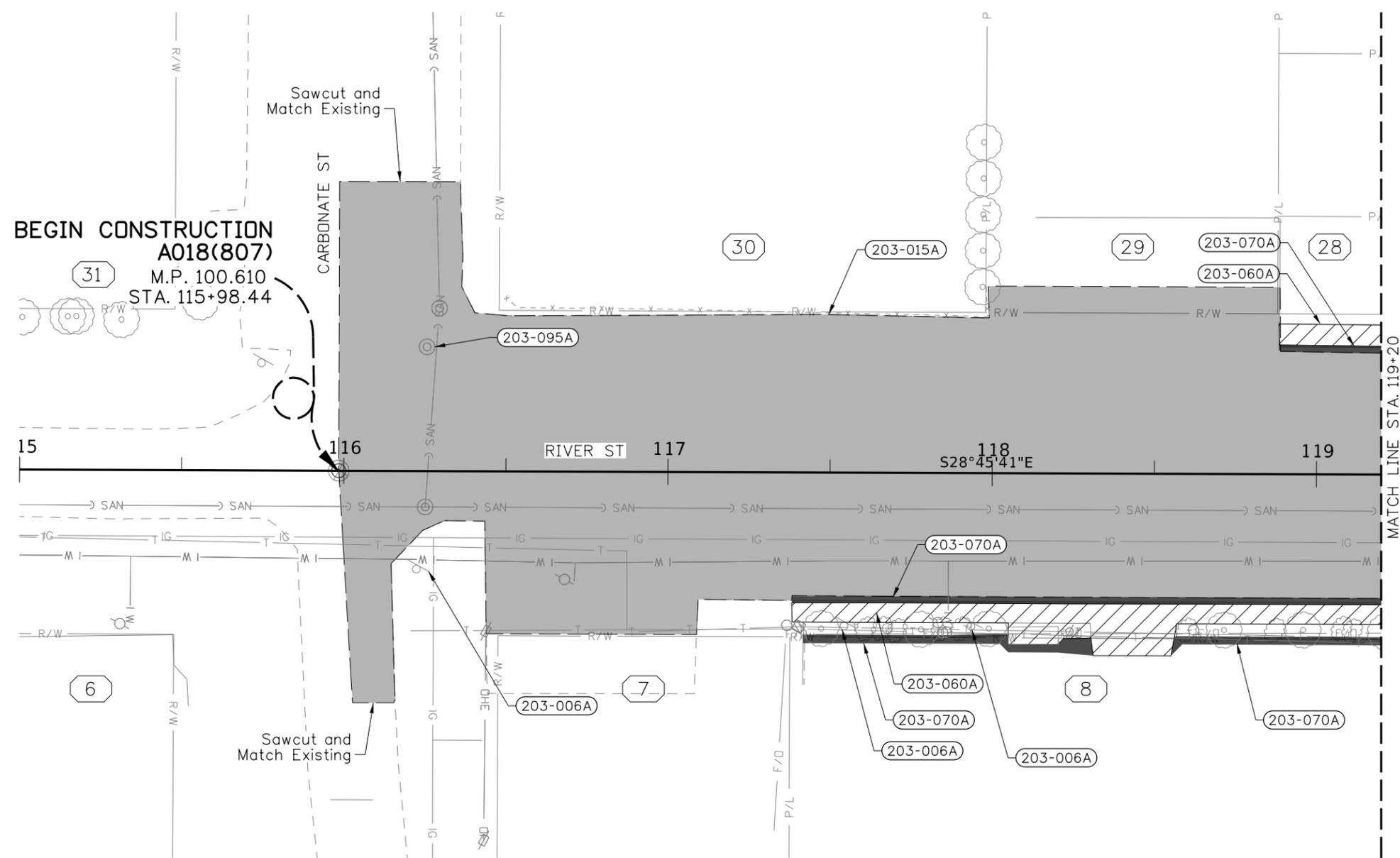
PROJECT NO.  
A018(807)

DRAINAGE SUMMARY  
RIVER STREET  
WALNUT TO GALENA, HAILEY

**English**  
 COUNTY Blaine  
 KEY NUMBER 18807  
 SHEET 14 OF 56



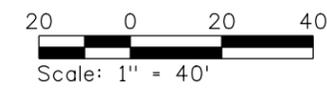
8/17/2023 p:\7\SCI-PW\TEG-2.stanleygroup.com\Dataproject\1\Documents\Local\_Highway\_Technical\_Assistance\_Council\28427 - River Street, Walnut to Galena\11-CADD\Plan Sheets\13-Roadway\18807\_removal\_001.DGN



- (202-005A) Selective Rem of Trees  
6 Each, Sta 117+40, Rt to 119+20, Rt
- (203-006A) Rem of Sign  
1 Each, Sta 116+23, 30' Rt  
1 Each, Sta 117+54, 47' Rt  
1 Each, Sta 117+94, 47' Rt
- (203-015A) Rem of Bituminous Surf  
(~Thickness 3")  
3383 SY, Sta 115+98 to 119+20
- (203-060A) Rem of Conc Sidewalk  
23 SY, Sta. 118+89 Lt to 119+20 Lt  
166 SY, Sta. 117+38 Rt to 119+20 Rt
- (203-070A) Rem of Curb & Gutter  
31 FT., Sta. 118+89 Lt to 119+20 Lt  
182 FT., Sta. 117+38 Rt to 119+20 Rt  
91 FT., Sta. 117+41 Rt to 118+31 Rt  
64 FT., Sta. 118+56 Rt to 119+20 Rt
- (203-095A) Removal of Manhole  
1 Each, Sta. 116+26.00, 38+00' Lt

**LEGEND**

- Rem of Bituminous Surf
- Rem of Conc Sidewalk
- Rem of Curb & Gutter



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED G.Shuger  
 DESIGN CHECKED J.Hillemonds  
 DETAILED B.Heuvelhorst  
 DRAWING CHECKED J.Hillemonds

**IDAHO TRANSPORTATION DEPARTMENT**

Stanley Consultants INC.

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY

CADD FILE NAME 18807\_removal\_001

DRAWING DATE: 8/17/2023

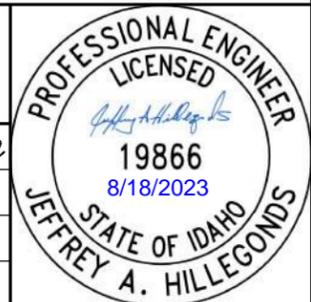
PROJECT NO.  
**A018(807)**

ROADWAY REMOVAL SHEET 1

**RIVER STREET;  
WALNUT TO GALENA, HAILEY**

**English**

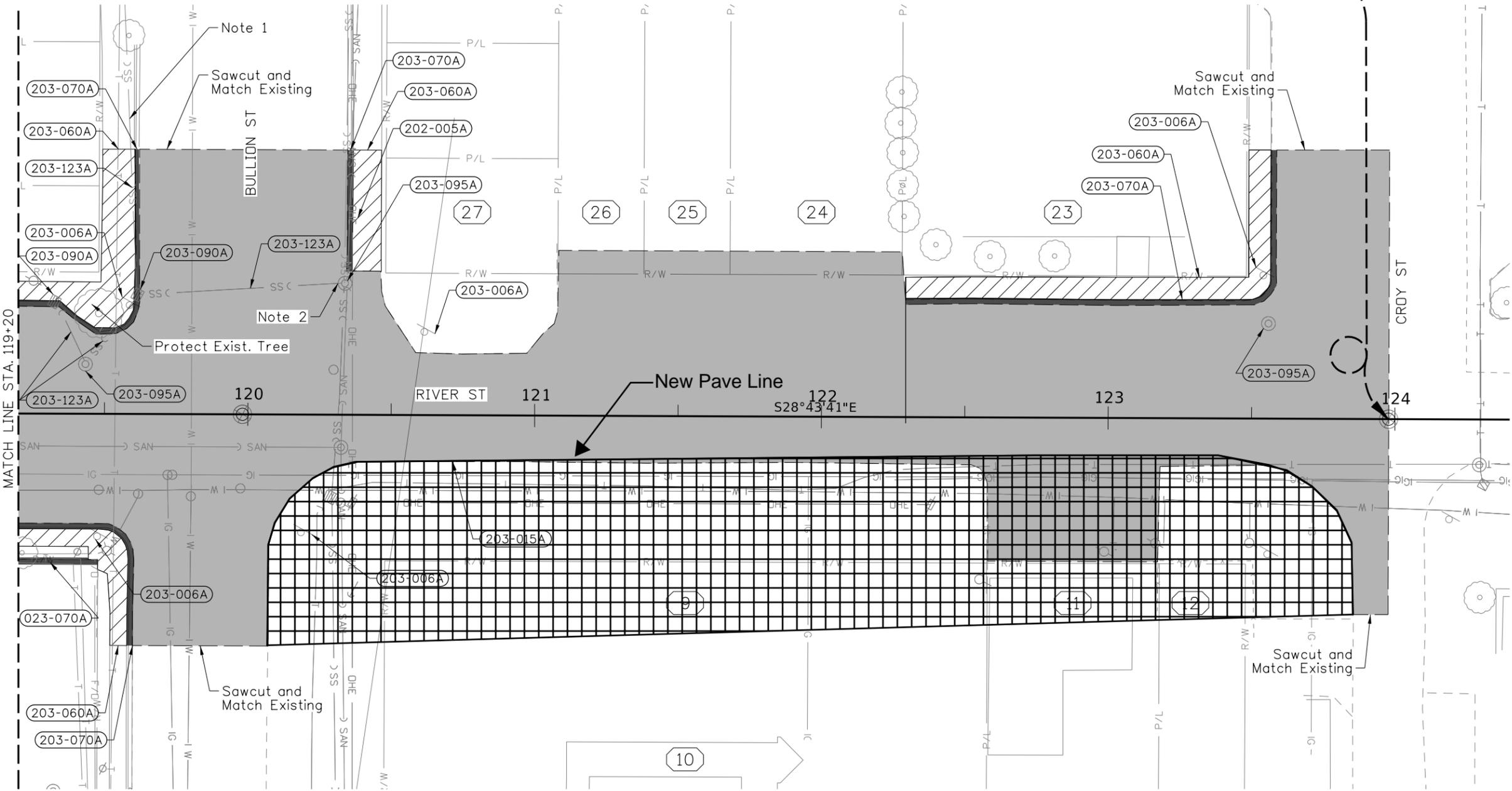
COUNTY Blaine  
 KEY NUMBER 18807  
 SHEET 15 OF 56



Note 1: Refer to Drainage Plan Sheets for connection of existing pipe to proposed pipe at this location.

Note 2: Cut and plug remaining storm sewer pipe prior to manhole entry. Manhole shall remain in service. Work shall be incidental to Adjust Manhole Cover item.

**END CONSTRUCTION  
A018(807)  
M.P. 100.452  
STA. 123+97.81**



(202-005A) Selective Rem of Trees  
2 Each, Sta 120+38, Lt

(203-006A) Rem of Sign  
1 Each, Sta 119+48, 43' Rt  
1 Each, Sta 119+59, 38' Lt  
1 Each, Sta 120+61, 29' Lt  
~~1 Each, Sta 120+19, 41' Rt~~  
1 Each, Sta 123+54, 50' Lt

(203-015A) Rem of Bituminous Surf  
(~Thickness 3")  
4312 SY, Sta 119+20 to 123+98

(203-060A) Rem of Conc Sidewalk  
53 SY, Sta 119+20 Rt to 119+58 Rt  
108 SY, Sta 119+20 Lt to 119+60 Lt  
47 SY, Sta 120+36 Lt to 120+46 Lt  
145 SY, Sta 122+29 Lt to 123+57 Lt

(203-070A) Rem of Curb & Gutter  
78 FT., Sta 119+20 Rt to 119+60 Rt  
105 FT., Sta 119+20 Lt to 119+62 Lt  
42 FT., Sta 120+34 Lt to 120+36 Lt  
180 FT., Sta 122+29 Lt to 123+60 Lt  
28 FT., Sta 119+20 Rt to 119+48 Rt

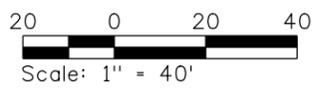
(203-090A) Removal of Inlet  
1 Each, Sta 119+32, 39' Lt  
1 Each, Sta 119+61, 42' Lt

(203-095A) Removal of Manhole  
1 Each, Sta 119+43, 17' Lt  
1 Each, Sta 120+34, 46' Lt  
1 Each, Sta 123+55, 33' Lt

(203-123A) Removal of Storm Pipe  
190 FT., Sta 119+33 Lt to 120+30 Lt

**LEGEND**

- Rem of Bituminous Surf
- Rem of Conc Sidewalk
- Rem of Curb & Gutter
- Removed from bid



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REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	G.Shuger
DESIGN CHECKED	J.Hillemonds
DETAILED	B.Heuvelhorst
DRAWING CHECKED	J.Hillemonds

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY  
CADD FILE NAME 18807 removal\_002  
DRAWING DATE: 8/17/2023

**IDAHO TRANSPORTATION DEPARTMENT**

Stanley Consultants INC.

PROJECT NO.  
**A018(807)**

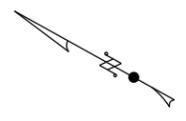
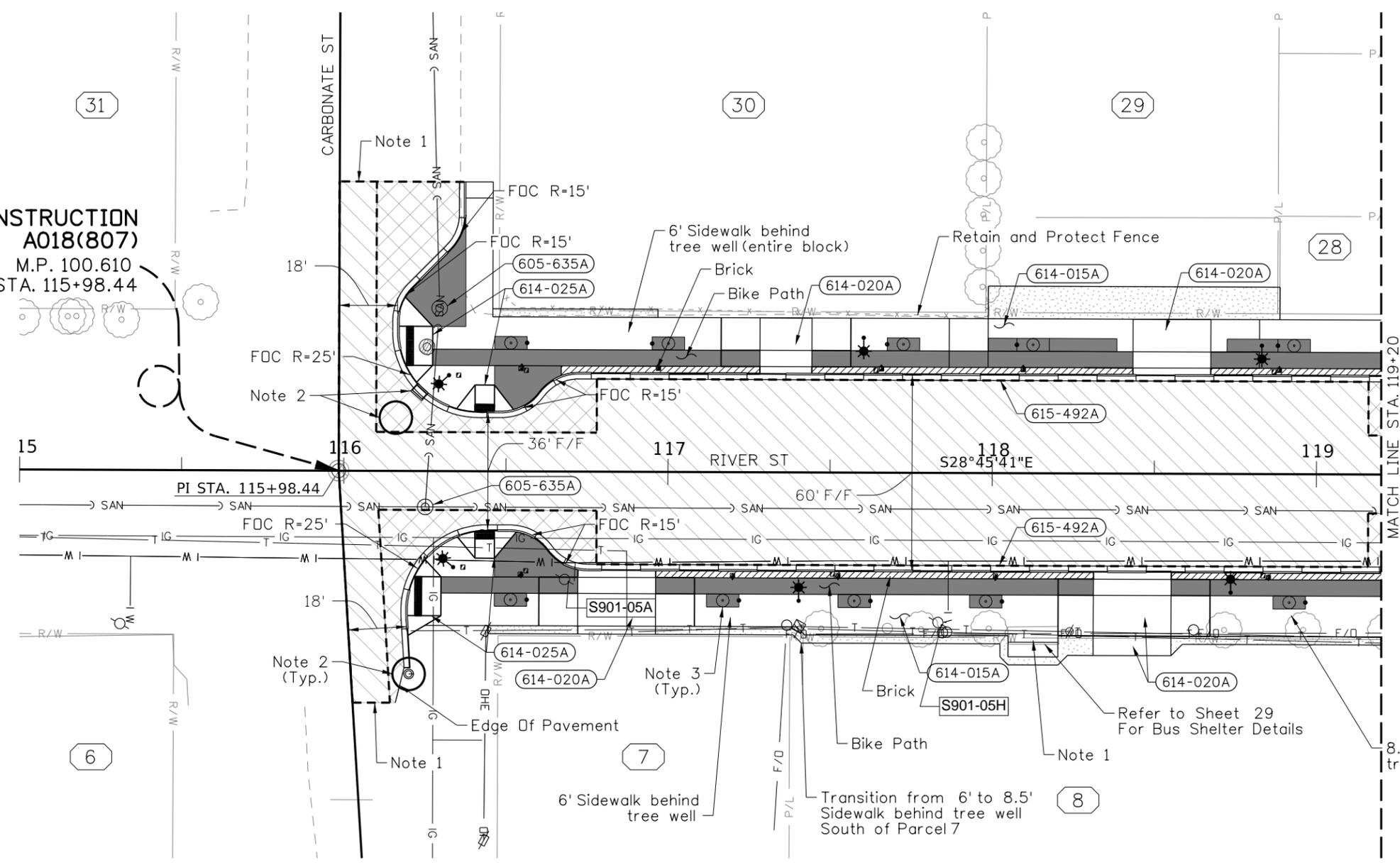
ROADWAY REMOVAL SHEET 2  
**RIVER STREET;  
WALNUT TO GALENA, HAILEY**

**English**  
COUNTY Blaine  
KEY NUMBER 18807  
SHEET 16 OF 56

**PROFESSIONAL ENGINEER LICENSED**  
*Jeffrey A. Hillemonds*  
1986  
8/18/2023  
STATE OF IDAHO  
**JEFFREY A. HILLEMONDS**

Note 1: Refer to Intersection Detail Sheets/Tables for tie-in locations and elevations.  
 Note 2: Refer to Drainage Plan Sheets for inlet, dry well, and storm sewer details and information.  
 Note 3: Refer to Landscaping Plan Sheets for tree well, planting, and irrigation details and information.

**BEGIN CONSTRUCTION**  
**A018(807)**  
 M.P. 100.610  
 STA. 115+98.44



**605-635A** Adjust Manhole Covers  
 1 Each Sta 116+26, 11' Rt  
 1 Each Sta. 116+29, 49' Lt

**614-015A** Sidewalk  
 138.7 SY, Sta 116+27 Lt to 117+28 Lt  
 22.2 SY, Sta 116+22 Lt to 116+46 Lt  
 88.0 SY, Sta 117+44 Lt to 118+43 Lt  
 47.0 SY, Sta 118+67 Lt to 119+20 Lt  
 57.0 SY, Sta 116+21 Rt to 116+72 Rt  
 18.0 SY, Sta 116+25 Rt to 116+47 Rt  
 177.7 SY, Sta 116+96 Rt to 118+31 Rt  
 85.7 SY, Sta 118+55 Rt to 119+20 Rt

**614-020A** Driveway  
 30.2 SY, Sta 117+28 Lt to 117+44 Lt  
 45.3 SY, Sta 118+43 Lt to 118+67 Lt  
 52.0 SY, Sta 116+72 Rt to 116+96 Rt  
 68.0 SY, Sta 118+31 Rt to 118+55 Rt

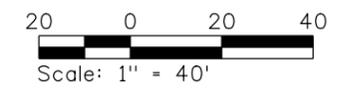
**614-025A** Curb Ramp  
 20.7 SY, Sta 116+27 Lt  
 10.6 SY, Sta 116+43 Lt  
 18.6 SY, Sta 116+30 Rt  
 11.1 SY, Sta 116+43 Rt

**615-492A** Curb & Gutter Type 2  
 373.9 FT Sta 116+15 Lt to 119+20 Lt  
 336.9 FT Sta 116+18 Rt to 119+20 Rt

**S901-05A** Adjust Water Meter Cover  
 1 Each 116+67 33 RT  
**S901-05H** Abandon Water Meter  
 1 Each 117+83 46 RT

**LEGEND**

- HMA Resurfacing
- HMA Reconstruction, Full Depth
- HMA Wedging/Drive-Thru Paving
- HMA Bike Path



8/17/2023 p:\7\SCI-PW\TEG-2.stanleygroup.com\Dataplan\13-Roadway\18807\_plan\_001

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	G.Shuger
DESIGN CHECKED	J. Hillegonds
DETAILED	B.Heuvelhorst
DRAWING CHECKED	J. Hillegonds

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY  
 CADD FILE NAME 18807 PLAN\_001  
 DRAWING DATE: 8/17/2023

**IDAHO TRANSPORTATION DEPARTMENT**

Stanley Consultants INC.

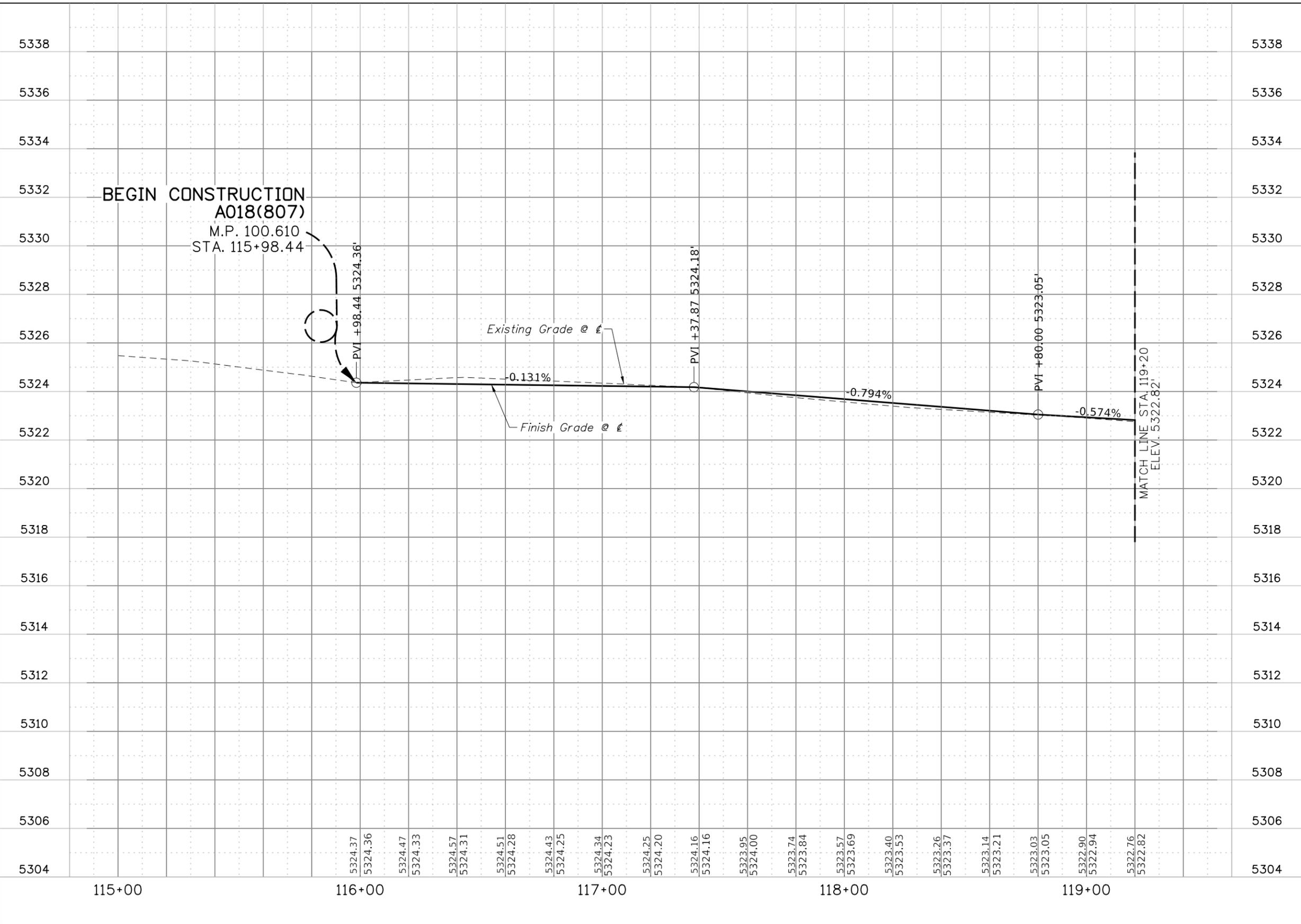
PROJECT NO.  
**A018(807)**

ROADWAY PLAN 1  
**RIVER STREET;  
 WALNUT TO GALENA, HAILEY  
 STA 115+00 - STA 119+20**

**English**  
 COUNTY Blaine  
 KEY NUMBER 18807  
 SHEET 17 OF 56



8/17/2023 p:\S\1-P\W\TEG-2.stanleygroup.com\Documents\Local\_Highway\_Technical\_Assistance\_Council\28427 - River Street, Walnut to Galena\11-CADD\Plan Sheets\13-Roadway/River Profile 1

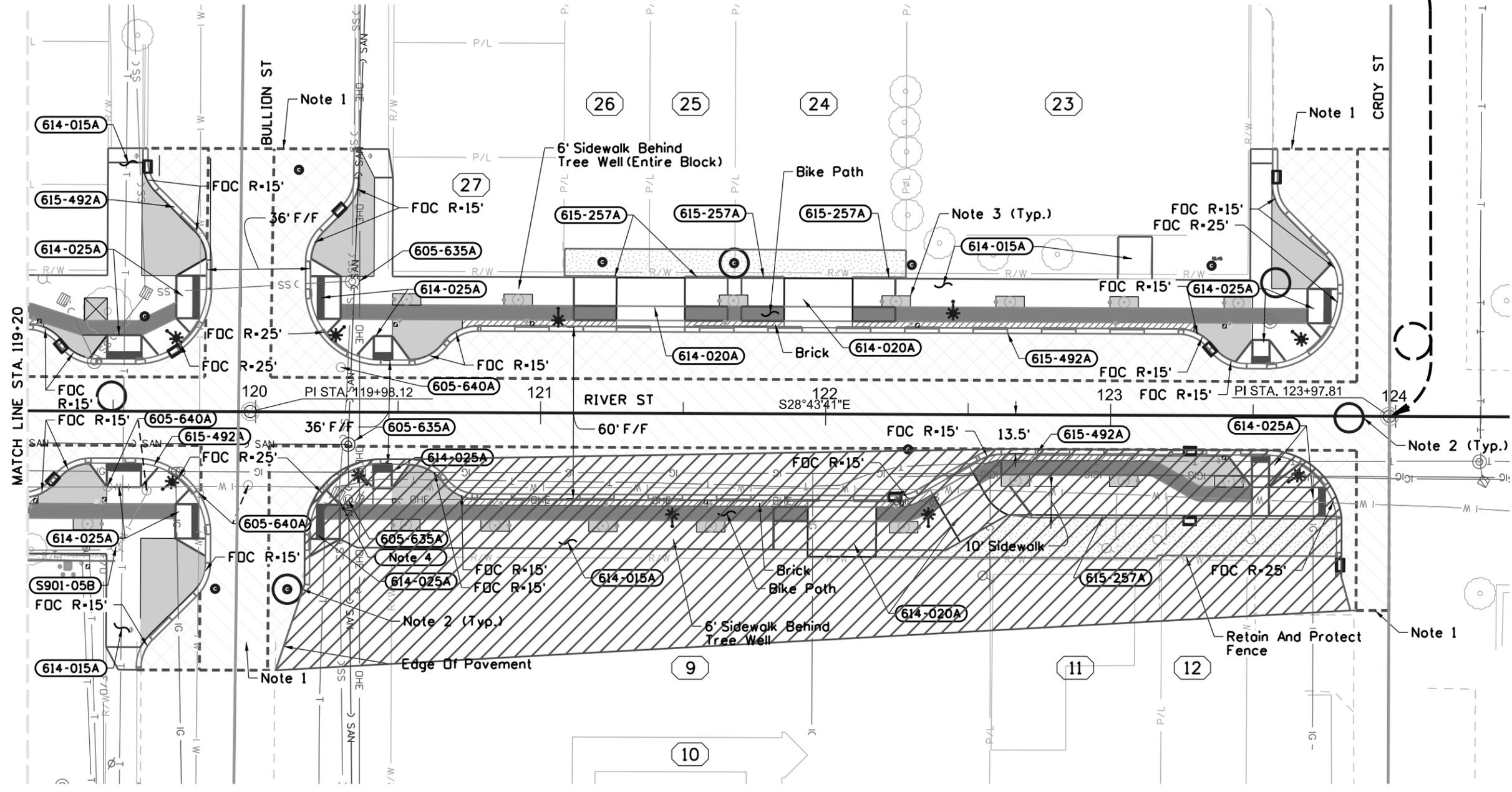


REVISIONS				DESIGNED	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY <b>IDAHO TRANSPORTATION DEPARTMENT</b> Stanley Consultants INC.	PROJECT NO.	ROADWAY PROFILE 1	<b>English</b> COUNTY Blaine KEY NUMBER 18807 SHEET 18 OF 56
NO.	DATE	BY	DESCRIPTION	G.Shuger		A018(807)	RIVER STREET; WALNUT TO GALENA, HAILEY STA 115+00 - STA 119+20	
				J. Hillegonds				
				B.Heuvelhorst				
				J. Hillegonds				



- Note 1: Refer to Intersection Detail Sheets/Tables for tie-in locations and elevations.
- Note 2: Refer to Drainage Plan Sheets for inlet, dry well, and storm sewer details and information.
- Note 3: Refer to Landscaping Plan Sheets for tree well, planting, and irrigation details and information.
- Note 4: 605-635A The top of existing intake shall be replaced with a manhole frame and lid and adjusted to finished grade.

**END CONSTRUCTION**  
**A018(807)**  
 M.P. 100.452  
 STA. 123+97.81



- 605-635A** Adjust Manhole Covers
  - 1 Each Sta. 120+32.48, 11.36' Rt
  - 1 Each Sta. 120+33.70, 45.70' Lt.
  - 1 Each Sta. 120+29.20, 29.10' Rt.

- 605-640A** Adjust Valve Covers
  - 1 Each Sta. 119+47, 27' Rt
  - 1 Each Sta. 119+61, 28' Rt.
  - 1 Each Sta. 119+80, 28' Rt.
  - 1 Each Sta. 119+98, 27' Rt.
  - 1 Each Sta. 120+30, 16' Lt.

- 614-015A** Sidewalk
  - 133.7 SY, Sta 119+20 Lt to 119+65 Lt
  - 11.8 SY, Sta 119+52 Lt to 119+70 Lt
  - 20.2 SY, Sta 120+18 Lt to 120+42 Lt
  - 116.3 SY, Sta 120+23 Lt to 121+26 Lt
  - 34.3 SY, Sta 151+50 Lt to 121+85 Lt
  - 213.5 SY, Sta 122+09 Lt to 123+69 Lt
  - 22.4 SY, Sta 123+50 Lt to 123+74 Lt
  - 111.5 SY, Sta 119+20 Rt to 119+58 Rt
  - 25.0 SY, Sta 119+46 Rt to 119+66 Rt

- 614-020A** Driveway
  - 45.3 SY, Sta 121+26 Lt to 121+50 Lt
  - 45.3 SY, Sta 121+85 Lt to 122+09 Lt

- 614-025A** Curb Ramp
  - 16.7 SY, Sta 119+54 Lt
  - 23.6 SY, Sta 119+72 Lt
  - 16.5 SY, Sta 119+54 Rt
  - 19.2 SY, Sta 119+72 Rt
  - 23.0 SY, Sta 120+30 Lt
  - 11.5 SY, Sta 120+45 Lt
  - 10.5 SY, Sta 123+53 Lt
  - 20.8 SY, Sta 123+69 Lt
  - 19.5 SY, Sta 123+53 Rt
  - 33.9 SY, Sta 123+56 Rt

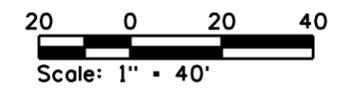
- 615-257A** Curb Type 2 (Modified)
  - 18.0 FT, Sta 121+08 Lt to 121+26 Lt
  - 35.0 FT, Sta 121+50 Lt to 121+85 Lt
  - 19.0 FT, Sta 122+09 Lt to 122+28 Lt

- 615-492A** Curb & Gutter Type 2
  - 129.5 FT, Sta 119+20 Lt to 119+78 Lt
  - 118.9 FT, Sta 119+20 Rt to 119+77 Rt
  - 520.2 FT, Sta 120+11 Lt to 123+81 Lt

- S901-05B** SP Relocate Fire Hydrant
  - 1 Each Sta. 119+52, 48' Rt TO 54' Rt

**LEGEND**

- HMA Resurfacing
- HMA Reconstruction, Full Depth
- HMA Wedging/Drive-Thru Paving
- HMA Bike Path
- Remove from Bid



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	G.Shuger	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY  CADD FILE NAME 18807.PLAN_002 DRAWING DATE: 8/17/2023
DESIGN CHECKED	J. Hillegonds	
DETAILED	B.Heuvelhorst	
DRAWING CHECKED	J. Hillegonds	

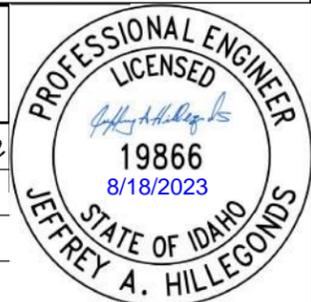
**IDAHO TRANSPORTATION DEPARTMENT**

Stanley Consultants INC.

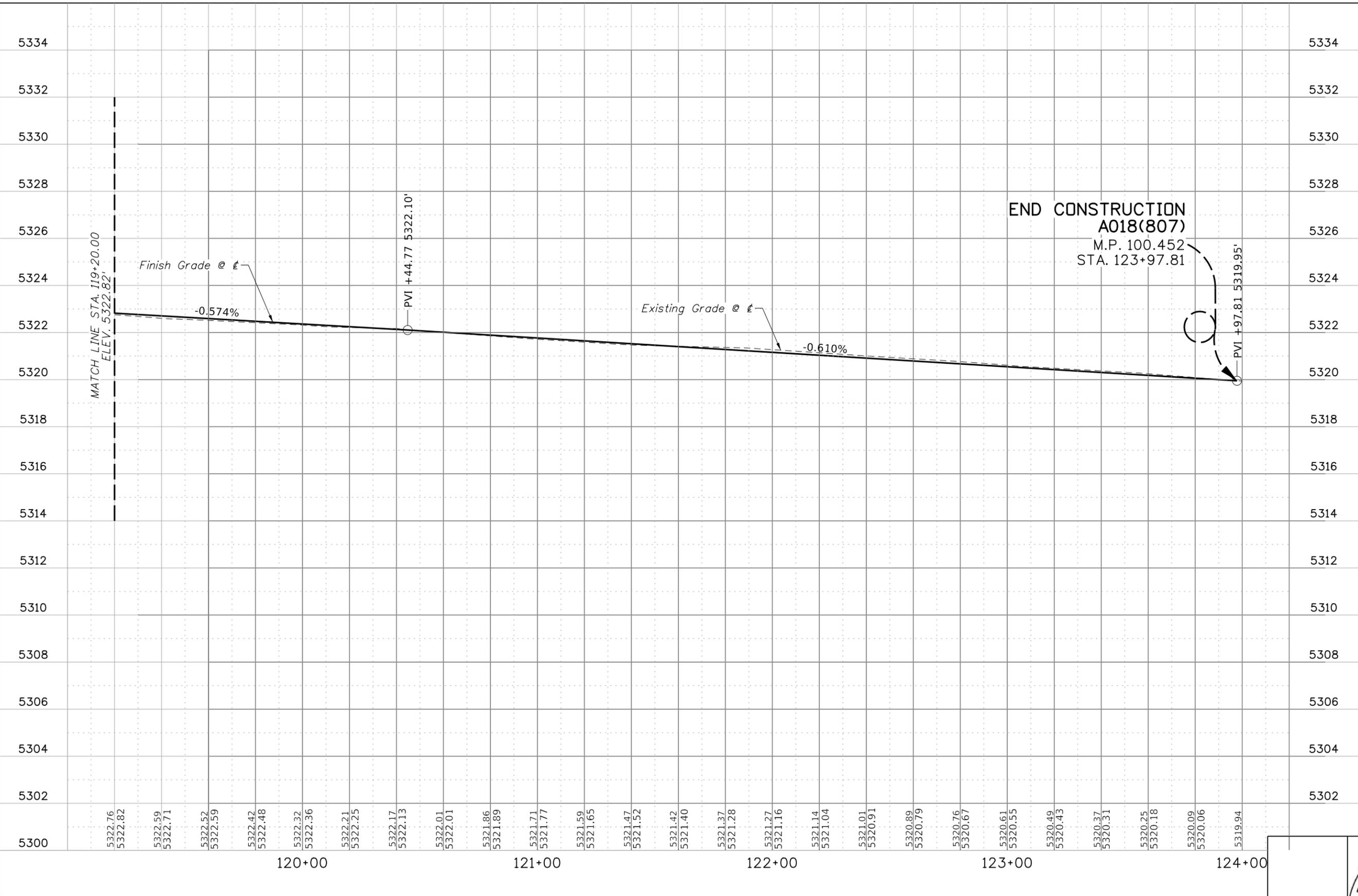
PROJECT NO.  
A018(807)

ROADWAY PLAN 2  
 RIVER STREET;  
 WALNUT TO GALENA, HAILEY  
 STA 119+20 - STA 124+00

**English**  
 COUNTY Blaine  
 KEY NUMBER 18807  
 SHEET 19 OF 56



8/17/2023 p:\7\SCI-PW\INTEG-2.stanleygroup.com\Documents\1\Documents\Local\_Highway\_Technical\_Assistance\_Council\28427 - River Street, Walnut to Galena\11-CADD\Plan Sheets\13-Roadway/River Profile 2



5334	5334
5332	5332
5330	5330
5328	5328
5326	5326
5324	5324
5322	5322
5320	5320
5318	5318
5316	5316
5314	5314
5312	5312
5310	5310
5308	5308
5306	5306
5304	5304
5302	5302
5300	5300

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED G. Shuger	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY  CADD FILE NAME 18807_prof.002  DRAWING DATE: 8/17/2023
DESIGN CHECKED J. Hillegonds	
DETAILED B. Heuvelhorst	
DRAWING CHECKED J. Hillegonds	

**IDAHO TRANSPORTATION DEPARTMENT**

Stanley Consultants INC.



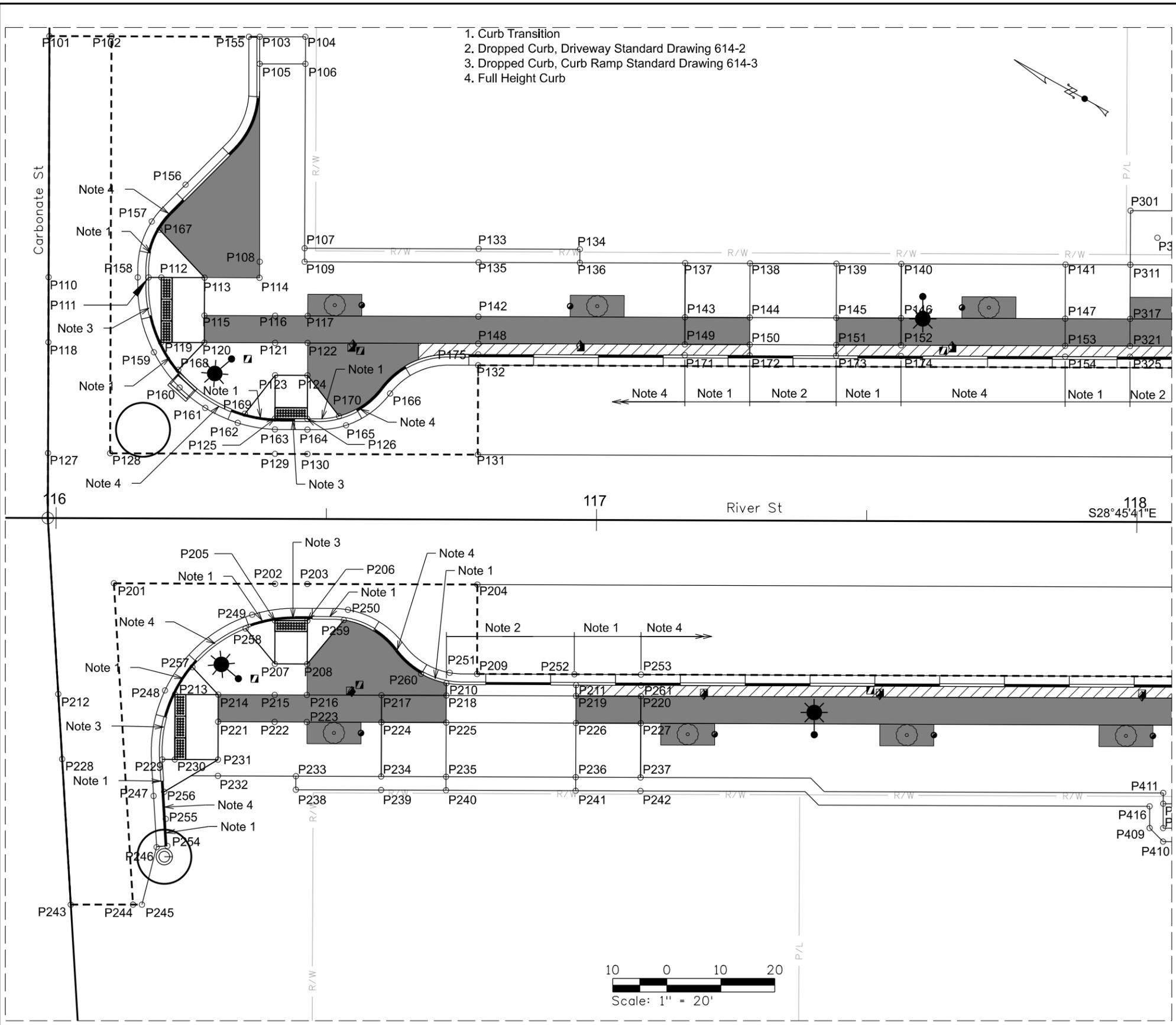

PROJECT NO.  A018(807)
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ROADWAY PROFILE 2  RIVER STREET; WALNUT TO GALENA, HAILEY STA 119+20 - STA 124+00
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<b>English</b>
COUNTY Blaine
KEY NUMBER 18807
SHEET 20 OF 56



8/17/2023 p:\7\SCI-PW\INTEG-2.stanleygroup.com\Dat\source-1\Documents\Loco\_Highway\_Technical\_Assistance\_Council\28427 - River Street, Walnut to Galena\11-CADD\Plan Sheets\13-Roadway\18807\_detl\_001.DGN



### SE CARBONATE

Point Number	Station	Offset	Elevation
P101	115+98.41	89.01' LT	5324.31
P102	116+09.93	89.01' LT	5324.09
P103	116+37.35	89.01' LT	5325.36
P104	116+45.79	89.04' LT	5326.03
P105	116+37.37	84.01' LT	5325.36
P106	116+45.83	84.05' LT	5325.48
P107	116+45.81	50.00' LT	5324.34
P108	116+37.50	47.47' LT	5324.18
P109	116+45.81	47.50' LT	5324.30
P110	115+98.43	44.48' LT	5323.56
P111	116+16.94	44.50' LT	5323.36
P112	116+19.30	44.50' LT	5323.41
P113	116+27.30	44.50' LT	5323.98
P114	116+37.47	44.50' LT	5324.13
P115	116+27.30	37.50' LT	5323.87
P116	116+40.38	37.50' LT	5324.07
P117	116+46.42	37.50' LT	5324.16
P118	115+98.43	32.47' LT	5323.70
P119	116+19.30	32.50' LT	5323.29
P120	116+27.30	32.50' LT	5323.79
P121	116+40.40	32.50' LT	5323.99
P122	116+46.42	32.50' LT	5324.08
P123	116+40.42	26.52' LT	5323.92
P124	116+46.42	26.52' LT	5324.00
P125	116+40.42	18.52' LT	5323.80
P126	116+46.42	18.50' LT	5323.89
P127	115+98.44	12.00' LT	5324.23
P128	116+09.94	12.00' LT	5324.05
P129	116+40.46	12.00' LT	5324.00
P130	116+46.46	12.00' LT	5323.99
P131	116+78.00	12.00' LT	5323.95
P132	116+78.00	28.50' LT	5323.54
P133	116+78.00	50.00' LT	5324.00
P134	116+96.74	50.00' LT	5323.97
P135	116+78.00	47.50' LT	5324.17
P136	116+96.74	47.50' LT	5324.15
P137	117+16.24	47.50' LT	5324.12
P138	117+28.24	47.50' LT	5323.73
P139	117+44.24	47.50' LT	5323.67
P140	117+56.24	47.50' LT	5323.95
P141	117+86.63	47.50' LT	5323.70
P142	116+78.00	37.50' LT	5324.02
P143	117+16.24	37.50' LT	5323.97
P144	117+28.24	37.50' LT	5323.58
P145	117+44.24	37.50' LT	5323.52
P146	117+56.24	37.50' LT	5323.80
P147	117+86.63	37.50' LT	5323.56
P148	116+78.00	32.50' LT	5323.95
P149	117+16.24	32.50' LT	5323.90
P150	117+28.24	32.50' LT	5323.51
P151	117+44.24	32.50' LT	5323.45
P152	117+56.24	32.50' LT	5323.73
P153	117+86.63	32.50' LT	5323.49
P154	117+86.63	30.49' LT	5323.46
P155	116+35.35	89.01' LT	5325.20
P156	116+23.72	61.66' LT	5323.90
P157	116+17.49	54.84' LT	5323.55
P158	116+14.94	44.50' LT	5323.34

### SE CARBONATE

Point Number	Station	Offset	Elevation
P159	116+17.98	30.68' LT	5323.28
P160	116+22.77	24.19' LT	5323.26
P161	116+27.52	20.45' LT	5323.33
P162	116+33.54	17.70' LT	5323.51
P163	116+40.42	16.52' LT	5323.79
P164	116+46.45	16.49' LT	5323.88
P165	116+53.59	17.33' LT	5323.92
P166	116+61.72	23.22' LT	5323.80
P167	116+18.92	53.33' LT	5323.92
P168	116+22.51	27.45' LT	5323.63
P169	116+34.87	19.40' LT	5323.94
P170	116+52.27	19.02' LT	5324.29
P171	117+16.24	30.49' LT	5323.87
P172	117+28.24	30.49' LT	5323.48
P173	117+44.24	30.49' LT	5323.42
P174	117+56.24	30.49' LT	5323.70
P175	116+78.00	30.50' LT	5323.92

### SW CARBONATE

Point Number	Station	Offset	Elevation
P201	116+10.73	12.00' RT	5324.04
P202	116+40.56	12.00' RT	5324.00
P203	116+46.53	12.00' RT	5323.99
P204	116+78.00	12.00' RT	5323.95
P205	116+40.56	18.78' RT	5323.85
P206	116+46.56	18.78' RT	5323.88
P207	116+40.56	26.78' RT	5323.89
P208	116+46.56	26.78' RT	5323.95
P209	116+78.00	28.50' RT	5323.79
P210	116+72.33	30.22' RT	5323.83
P211	116+96.33	30.50' RT	5323.64
P212	116+00.50	32.50' RT	5323.75
P213	116+22.11	32.50' RT	5323.40
P214	116+30.13	32.50' RT	5323.75
P215	116+40.56	32.50' RT	5323.91
P216	116+46.53	32.50' RT	5324.00
P217	116+60.33	32.50' RT	5323.92
P218	116+72.33	32.50' RT	5323.85
P219	116+96.33	32.50' RT	5323.66
P220	117+08.33	32.50' RT	5323.91
P221	116+30.11	37.50' RT	5323.81
P222	116+40.56	37.50' RT	5323.99
P223	116+46.53	37.50' RT	5324.06
P224	116+60.33	37.50' RT	5323.99
P225	116+72.33	37.50' RT	5323.90
P226	116+96.33	37.50' RT	5323.73
P227	117+08.33	37.50' RT	5323.98
P228	116+01.26	44.50' RT	5323.45
P229	116+19.80	44.50' RT	5323.29
P230	116+22.11	44.50' RT	5323.42
P231	116+30.11	44.50' RT	5323.89
P232	116+30.11	47.50' RT	5323.92
P233	116+44.55	47.50' RT	5324.11
P234	116+60.33	47.50' RT	5324.14
P235	116+72.33	47.50' RT	5324.00
P236	116+96.33	47.50' RT	5323.87
P237	117+08.33	47.50' RT	5324.12
P238	116+44.55	50.00' RT	5324.18
P239	116+60.33	50.00' RT	5323.84
P240	116+72.33	50.00' RT	5324.05
P241	116+96.33	50.00' RT	5323.95
P242	117+08.33	50.00' RT	5324.04
P243	116+02.96	71.37' RT	5323.10
P244	116+14.48	71.33' RT	5322.96
P245	116+16.13	71.33' RT	5322.95
P246	116+18.82	60.71' RT	5323.07
P247	116+18.22	51.24' RT	5323.23
P248	116+20.26	31.75' RT	5323.38
P249	116+36.33	17.71' RT	5323.82
P250	116+54.07	16.74' RT	5323.91
P251	116+72.92	28.30' RT	5323.83
P252	116+96.02	28.50' RT	5323.64
P253	117+08.33	28.50' RT	5323.50
P254	116+20.81	60.47' RT	5323.07
P255	116+20.49	55.47' RT	5323.49
P256	116+20.18	50.48' RT	5323.58
P257	116+25.32	27.45' RT	5323.89
P258	116+35.14	20.26' RT	5324.12

### SW CARBONATE

Point Number	Station	Offset	Elevation
P259	116+53.32	18.65' RT	5324.28
P260	116+67.64	28.51' RT	5324.14
P261	117+08.33	30.50' RT	5323.89

8/17/2023 p:\7\SCI-PW\INTEG-2.stanleygroup.com\Datapoint\1\Documents\Loco\_Highway\_Technical\_Assistance\_Council\28427 - River Street, Walnut to Galena\11-CADD\Plan\_Sheets\13-Roadway\18807\_detl.tbl\_1.DGN

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED G.Shuger	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
DESIGN CHECKED J.Hillegonds	
DETAILED B.Heuvelhorst	CADD FILE NAME 18807 detl.tbl_1
DRAWING CHECKED J.Hillegonds	DRAWING DATE: 8/17/2023

**IDAHO  
TRANSPORTATION  
DEPARTMENT**

Stanley Consultants INC.



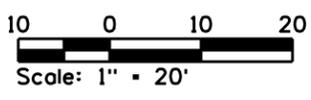
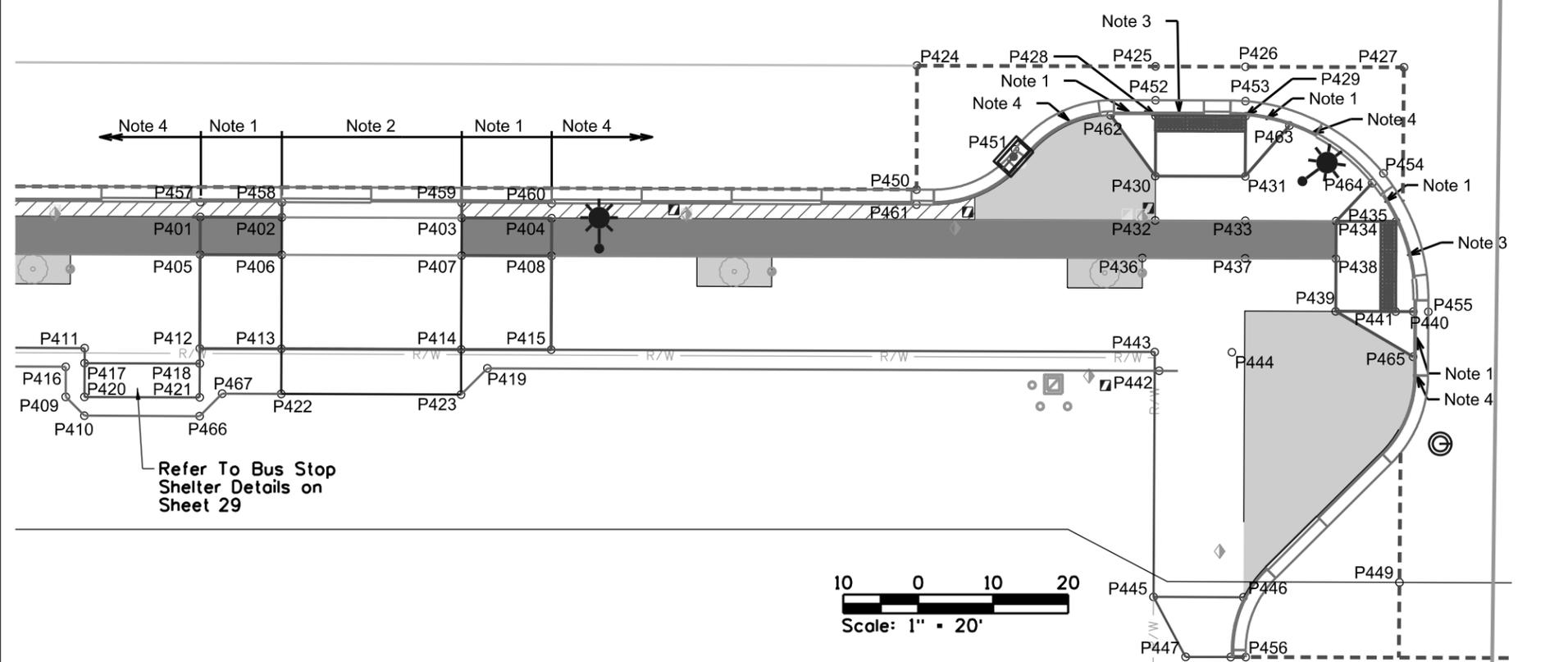
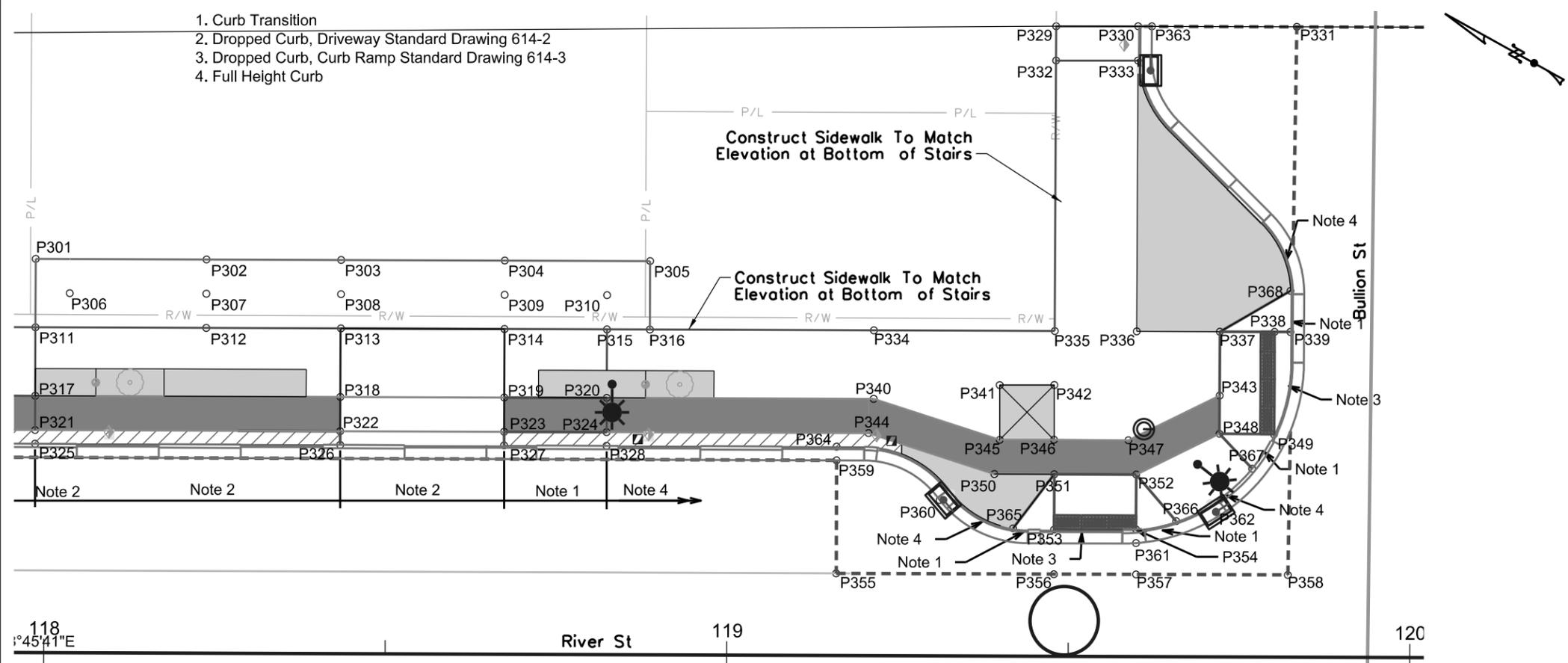

PROJECT NO.  A018(807)
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INTERSECTION DETAIL, TABLE 1  RIVER STREET; WALNUT TO GALENA, HAILEY
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<b>English</b>
COUNTY Blaine
KEY NUMBER 18807
SHEET 22 OF 56



1. Curb Transition
2. Dropped Curb, Driveway Standard Drawing 614-2
3. Dropped Curb, Curb Ramp Standard Drawing 614-3
4. Full Height Curb



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED
DESIGN CHECKED
DETAILED
DRAWING CHECKED

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME
DRAWING DATE:

**IDAHO TRANSPORTATION DEPARTMENT**

Stanley Consultants INC.




PROJECT NO.	A018(807)
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INTERSECTION DETAIL 2
RIVER STREET; WALNUT TO GALENA, HAILEY

<b>English</b>
COUNTY Blaine
KEY NUMBER 18807
SHEET 23 OF 56

PROFESSIONAL ENGINEER  
LICENSED  
*Jeffrey A. Hillegonds*  
1986  
8/18/2023  
STATE OF IDAHO  
JEFFREY A. HILLEGONDS

DATES & FILE AS

### NE BULLION

Point Number	Station	Offset	Elevation
P301	117+98.63	57.50' LT	5322.92
P302	118+23.63	57.50' LT	5322.95
P303	118+43.35	57.50' LT	5322.91
P304	118+67.30	57.50' LT	5322.96
P305	118+88.59	57.50' LT	5322.97
P306	118+03.63	52.50' LT	5323.00
P307	118+23.63	52.50' LT	5322.93
P308	118+43.35	52.50' LT	5322.85
P309	118+67.30	52.50' LT	5322.79
P310	118+82.30	52.50' LT	5322.87
P311	117+98.63	47.50' LT	5323.15
P312	118+23.63	47.50' LT	5322.95
P313	118+43.35	47.50' LT	5322.80
P314	118+67.30	47.50' LT	5322.61
P315	118+82.30	47.50' LT	5322.95
P316	118+88.59	47.50' LT	5322.92
P317	117+98.63	37.50' LT	5323.05
P318	118+43.30	37.50' LT	5322.70
P319	118+67.30	37.50' LT	5322.51
P320	118+82.30	37.50' LT	5322.80
P321	117+98.63	32.50' LT	5323.00
P322	118+43.29	32.50' LT	5322.65
P323	118+67.30	32.50' LT	5322.46
P324	118+82.30	32.50' LT	5322.73
P325	117+98.63	30.50' LT	5322.98
P326	118+43.30	30.50' LT	5322.63
P327	118+67.30	30.50' LT	5322.44
P328	118+82.30	30.50' LT	5322.70
P329	119+47.92	92.01' LT	5322.71
P330	119+59.92	92.05' LT	5322.62
P331	119+83.15	92.06' LT	5322.82
P332	119+47.92	87.01' LT	5322.66
P333	119+59.92	87.05' LT	5322.59
P334	119+21.39	47.50' LT	5322.72
P335	119+47.87	47.50' LT	5322.50
P336	119+59.87	47.50' LT	5322.30
P337	119+72.05	47.49' LT	5322.11
P338	119+80.05	47.49' LT	5321.95
P339	119+82.37	47.49' LT	5321.94
P340	119+21.39	37.50' LT	5322.57
P341	119+39.83	39.58' LT	5322.46
P342	119+47.83	39.62' LT	5322.38
P343	119+72.04	38.16' LT	5321.97
P344	119+20.65	32.50' LT	5322.50
P345	119+39.87	31.58' LT	5322.34
P346	119+47.82	31.62' LT	5322.26
P347	119+58.70	31.58' LT	5322.09
P348	119+72.04	32.58' LT	5321.91
P349	119+80.01	32.52' LT	5321.86
P350	119+39.10	26.58' LT	5322.27
P351	119+47.87	26.58' LT	5322.18
P352	119+59.87	26.58' LT	5322.03
P353	119+47.87	18.50' LT	5322.05
P354	119+59.87	18.58' LT	5321.99
P355	119+16.00	12.00' LT	5322.54
P356	119+47.87	11.98' LT	5322.36
P357	119+59.89	12.00' LT	5322.24
P358	119+82.12	12.00' LT	5322.16

### NW BULLION

Point Number	Station	Offset	Elevation
P359	119+15.99	28.50' LT	5322.13
P360	119+31.10	22.75' LT	5322.01
P361	119+59.88	16.58' LT	5321.98
P362	119+71.56	21.17' LT	5321.86
P363	119+61.92	92.05' LT	5322.24
P364	119+15.99	30.50' LT	5322.51
P365	119+41.87	18.66' LT	5322.40
P366	119+65.74	19.80' LT	5322.31
P367	119+76.85	27.50' LT	5322.22
P368	119+82.36	53.49' LT	5322.35

Point Number	Station	Offset	Elevation
P401	118+20.45	32.50' RT	5323.21
P402	118+31.33	32.50' RT	5322.75
P403	118+55.33	32.50' RT	5322.56
P404	118+67.33	32.50' RT	5322.84
P405	118+20.45	37.50' RT	5323.29
P406	118+31.33	37.50' RT	5322.83
P407	118+55.33	37.50' RT	5322.64
P408	118+67.33	37.50' RT	5322.92
P409	118+02.58	56.50' RT	5322.45
P410	118+05.08	59.00' RT	5322.34
P411	118+05.08	50.00' RT	5323.60
P412	118+20.45	50.00' RT	5323.48
P413	118+31.33	50.00' RT	5323.02
P414	118+55.33	50.00' RT	5322.83
P415	118+67.33	50.00' RT	5323.10
P416	118+02.55	52.50' RT	5322.54
P417	118+05.08	52.00' RT	5323.63
P418	118+20.45	52.00' RT	5323.51
P419	118+58.83	52.50' RT	5322.42
P420	118+05.08	56.50' RT	5323.70
P421	118+20.45	56.50' RT	5323.58
P422	118+31.33	56.00' RT	5322.26
P423	118+55.33	56.00' RT	5322.26
P424	119+16.00	12.00' RT	5322.54
P425	119+47.84	12.00' RT	5322.36
P426	119+59.84	12.00' RT	5322.29
P427	119+80.98	12.00' RT	5322.17
P428	119+47.87	18.59' RT	5322.20
P429	119+59.87	18.58' RT	5322.10
P430	119+47.87	26.59' RT	5322.25
P431	119+59.87	26.59' RT	5322.16
P432	119+47.87	32.50' RT	5322.30
P433	119+59.89	32.50' RT	5322.21
P434	119+72.00	32.50' RT	5322.07
P435	119+80.00	32.50' RT	5321.70
P436	119+46.17	37.50' RT	5322.35
P437	119+59.89	37.50' RT	5322.25
P438	119+72.00	37.50' RT	5322.04
P439	119+71.99	44.50' RT	5321.99
P440	119+80.00	44.50' RT	5321.40
P441	119+82.36	44.51' RT	5321.53
P442	119+48.47	52.50' RT	5321.92
P443	119+47.86	50.00' RT	5322.42
P444	119+58.18	50.00' RT	5322.35
P445	119+47.83	82.59' RT	5320.89
P446	119+59.83	82.59' RT	5320.65
P447	119+52.14	90.56' RT	5320.60
P448	119+58.16	90.56' RT	5320.48
P449	119+80.64	80.55' RT	5320.58
P450	119+16.01	28.50' RT	5322.13
P451	119+29.12	23.11' RT	5322.02
P452	119+47.86	16.50' RT	5322.18
P453	119+59.86	16.57' RT	5322.11
P454	119+78.30	26.12' RT	5321.83
P455	119+84.36	44.51' RT	5321.36
P456	119+60.16	90.56' RT	5320.10
P457	118+20.45	30.50' RT	5323.19
P458	118+31.33	30.50' RT	5322.73

Point Number	Station	Offset	Elevation
P459	118+55.33	30.50' RT	5322.53
P460	118+67.33	30.50' RT	5322.81
P461	119+16.01	30.50' RT	5322.50
P462	119+41.87	18.51' RT	5322.61
P463	119+65.74	19.80' RT	5322.61
P464	119+76.81	27.42' RT	5322.21
P465	119+82.36	50.51' RT	5321.90
P466	118+20.45	59.00' RT	5322.19
P467	118+23.45	56.00' RT	5322.27

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED G.Shuger	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY  CADD FILE NAME 18807 detl.tbl 2  DRAWING DATE: 8/17/2023
DESIGN CHECKED J.Hillegonds	
DETAILED B.Heuvelhorst	
DRAWING CHECKED J.Hillegonds	

**IDAHO**  
**TRANSPORTATION**  
**DEPARTMENT**



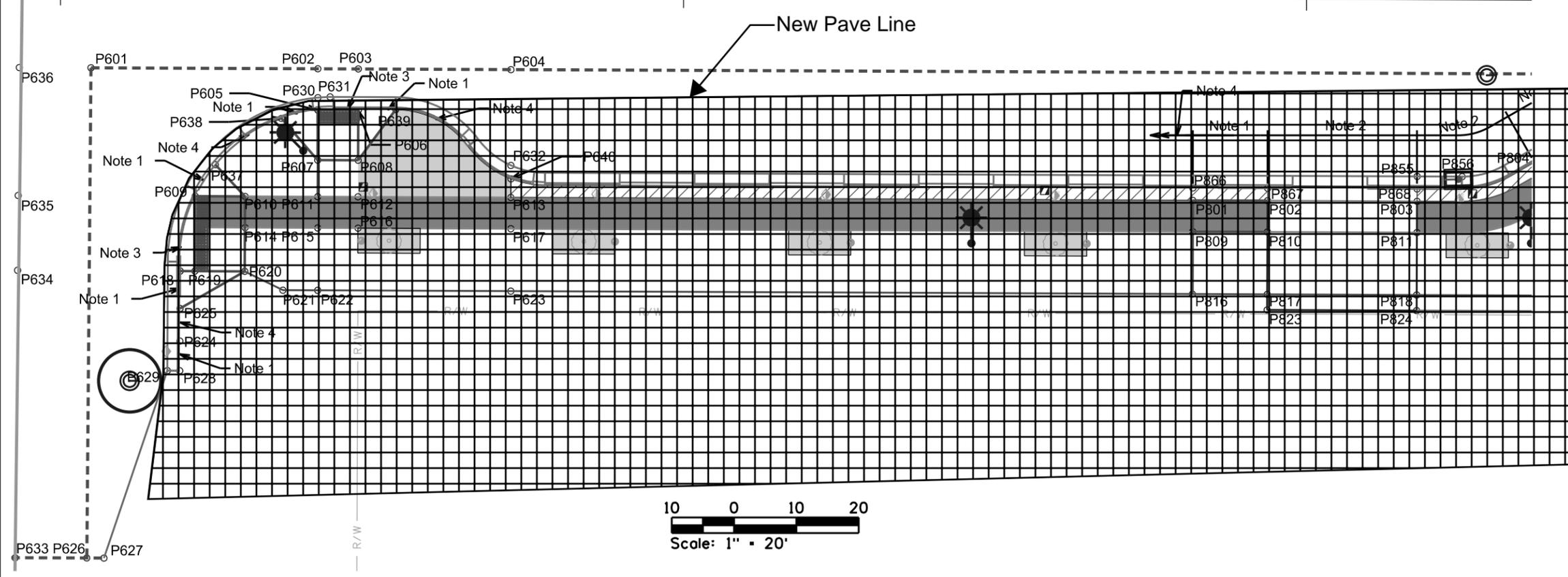
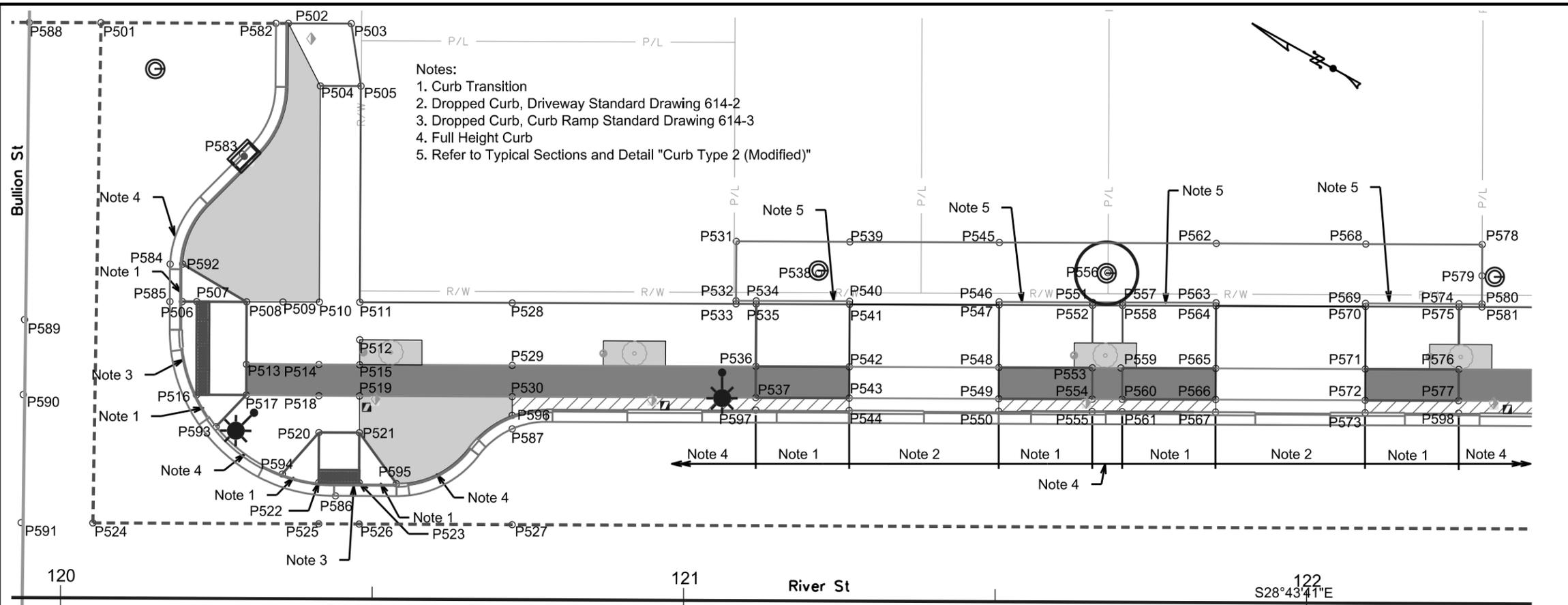
Stanley Consultants INC. 

PROJECT NO.	A018(807)
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INTERSECTION DETAIL, TABLE 2	RIVER STREET; WALNUT TO GALENA, HAILEY
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<b>English</b>
COUNTY Blaine
KEY NUMBER 18807
SHEET 24 OF 56





REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED G.Shuger  
 DESIGN CHECKED J. Hillegonds  
 DETAILED B. Heuvelhorst  
 DRAWING CHECKED J. Hillegonds

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY  
 CADD FILE NAME 18807\_dett\_003  
 DRAWING DATE: 8/17/2023

**IDAHO TRANSPORTATION DEPARTMENT**

Stanley Consultants INC.

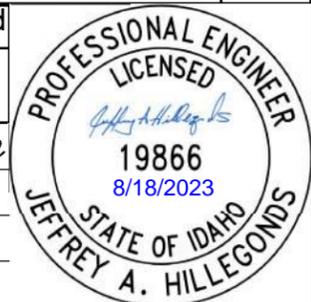



PROJECT NO.  
 A018(807)

INTERSECTION DETAIL 3  
 RIVER STREET;  
 WALNUT TO GALENA, HAILEY

**English**  
 COUNTY Blaine  
 KEY NUMBER 18807  
 SHEET 25 OF 56

Removed from bid



### SE BULLION

Point Number	Station	Offset	Elevation
P501	120+06.10	92.07' LT	5322.92
P502	120+36.19	92.09' LT	5321.33
P503	120+46.28	92.10' LT	5321.64
P504	120+41.36	82.09' LT	5321.84
P505	120+47.86	82.10' LT	5321.94
P506	120+19.34	47.49' LT	5322.33
P507	120+21.67	47.49' LT	5322.32
P508	120+29.67	47.49' LT	5322.44
P509	120+35.50	47.50' LT	5322.38
P510	120+41.34	47.50' LT	5322.31
P511	120+47.84	47.50' LT	5322.21
P512	120+47.85	41.50' LT	5322.12
P513	120+29.67	37.50' LT	5321.34
P514	120+41.31	37.50' LT	5321.98
P515	120+47.85	37.50' LT	5322.06
P516	120+21.67	32.58' LT	5322.24
P517	120+29.67	32.58' LT	5322.29
P518	120+41.33	32.50' LT	5321.86
P519	120+47.85	32.50' LT	5321.94
P520	120+41.35	26.63' LT	5321.77
P521	120+47.85	26.63' LT	5321.85
P522	120+41.36	18.63' LT	5321.82
P523	120+47.86	18.63' LT	5321.64
P524	120+05.14	12.00' LT	5322.03
P525	120+41.39	12.00' LT	5321.85
P526	120+47.89	12.00' LT	5321.78
P527	120+72.44	12.00' LT	5321.63
P528	120+72.30	47.50' LT	5321.94
P529	120+72.35	37.50' LT	5321.79
P530	120+72.37	32.50' LT	5321.67
P531	121+08.23	57.50' LT	5320.69
P532	121+08.23	47.99' LT	5321.13
P533	121+08.23	47.50' LT	5321.63
P534	121+11.46	47.99' LT	5321.11
P535	121+11.46	47.49' LT	5321.61
P536	121+11.46	37.50' LT	5321.46
P537	121+11.46	32.50' LT	5321.39
P538	121+21.46	52.50' LT	5320.55
P539	121+26.46	57.50' LT	5320.63
P540	121+26.46	47.99' LT	5320.77
P541	121+26.46	47.50' LT	5320.78
P542	121+26.46	37.50' LT	5320.87
P543	121+26.46	32.50' LT	5320.92
P544	121+26.46	30.50' LT	5320.89
P545	121+50.46	57.50' LT	5320.56
P546	121+50.46	48.00' LT	5320.62
P547	121+50.46	47.50' LT	5320.63
P548	121+50.46	37.50' LT	5320.73
P549	121+50.46	32.50' LT	5320.78
P550	121+50.46	30.50' LT	5320.75
P551	121+65.46	47.99' LT	5320.41
P552	121+65.46	47.50' LT	5320.91
P553	121+65.46	37.50' LT	5321.01
P554	121+65.46	32.50' LT	5321.06
P555	121+65.46	30.50' LT	5321.03
P556	121+67.87	52.75' LT	5320.14
P557	121+70.28	47.99' LT	5320.38
P558	121+70.28	47.50' LT	5320.88

### SE BULLION

Point Number	Station	Offset	Elevation
P559	121+70.04	37.50' LT	5320.98
P560	121+70.28	32.50' LT	5321.03
P561	121+70.28	30.50' LT	5321.00
P562	121+85.28	57.50' LT	5320.16
P563	121+85.28	48.00' LT	5320.40
P564	121+85.28	47.50' LT	5320.41
P565	121+85.28	37.50' LT	5320.51
P566	121+85.28	32.52' LT	5320.56
P567	121+85.28	30.50' LT	5320.53
P568	122+09.28	57.50' LT	5319.95
P569	122+09.28	48.00' LT	5320.26
P570	122+09.28	47.50' LT	5320.27
P571	122+09.28	37.50' LT	5320.37
P572	122+09.28	32.50' LT	5320.42
P573	122+09.28	30.50' LT	5320.39
P574	122+24.28	48.00' LT	5320.43
P575	122+24.28	47.50' LT	5320.93
P576	122+24.28	37.50' LT	5320.78
P577	122+24.28	32.50' LT	5320.71
P578	122+27.96	57.50' LT	5319.94
P579	122+27.96	52.50' LT	5319.72
P580	122+27.96	48.00' LT	5320.40
P581	122+27.96	47.50' LT	5320.90
P582	120+34.19	92.09' LT	5320.95
P583	120+28.90	71.13' LT	5321.43
P584	120+17.36	53.48' LT	5322.45
P585	120+17.34	47.48' LT	5321.95
P586	120+44.07	16.50' LT	5321.58
P587	120+72.38	27.34' LT	5321.25
P588	119+94.65	92.06' LT	5323.11
P589	119+94.06	44.50' LT	5322.50
P590	119+93.90	32.50' LT	5322.36
P591	119+93.65	12.00' LT	5322.10
P592	120+19.36	53.49' LT	5322.83
P593	120+24.87	27.50' LT	5322.64
P594	120+35.51	19.96' LT	5322.02
P595	120+53.82	18.49' LT	5322.05
P596	120+72.37	29.50' LT	5321.63
P597	121+11.46	30.50' LT	5320.36
P598	122+24.29	30.50' LT	5320.67

### SW BULLION

Point Number	Station	Offset	Elevation
P601	120+04.94	12.00' RT	5322.03
P602	120+41.35	12.00' RT	5321.82
P603	120+47.85	12.00' RT	5321.79
P604	120+72.34	12.00' RT	5321.64
P605	120+41.38	18.63' RT	5321.67
P606	120+47.88	18.65' RT	5321.64
P607	120+41.38	26.63' RT	5321.79
P608	120+47.88	26.63' RT	5321.74
P609	120+21.75	32.50' RT	5321.39
P610	120+29.76	32.50' RT	5321.70
P611	120+41.41	32.50' RT	5321.87
P612	120+47.88	32.49' RT	5321.82
P613	120+72.42	32.50' RT	5321.63
P614	120+29.78	37.50' RT	5321.78
P615	120+41.41	37.50' RT	5321.95
P616	120+47.91	37.50' RT	5321.90
P617	120+72.44	37.50' RT	5321.70
P618	120+19.39	44.51' RT	5321.27
P619	120+21.76	44.50' RT	5321.36
P620	120+29.76	44.50' RT	5321.88
P621	120+35.89	47.50' RT	5321.94
P622	120+41.47	47.50' RT	5322.10
P623	120+72.48	47.50' RT	5321.85
P624	120+19.39	55.73' RT	5321.76
P625	120+19.39	50.50' RT	5321.71
P626	120+04.59	90.55' RT	5320.90
P627	120+07.35	90.54' RT	5320.86
P628	120+19.39	60.47' RT	5321.80
P629	120+17.39	60.47' RT	5321.42
P630	120+41.37	16.63' RT	5321.66
P631	120+43.35	16.50' RT	5321.65
P632	120+72.41	27.36' RT	5321.26
P633	119+93.04	90.55' RT	5321.07
P634	119+93.27	44.50' RT	5321.61
P635	119+93.33	32.50' RT	5321.79
P636	119+93.43	12.00' RT	5322.10
P637	120+24.97	27.43' RT	5321.83
P638	120+35.53	19.97' RT	5322.08
P639	120+53.88	18.50' RT	5322.09
P640	120+72.42	29.50' RT	5321.64

#### REVISIONS

NO.	DATE	BY	DESCRIPTION

DESIGNED	G.Shuger
DESIGN CHECKED	J.Hillemonds
DETAILED	B.Heuvelhorst
DRAWING CHECKED	J.Hillemonds

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME 18807 detl.tbl 3
DRAWING DATE: 8/17/2023

**IDAHO TRANSPORTATION DEPARTMENT**

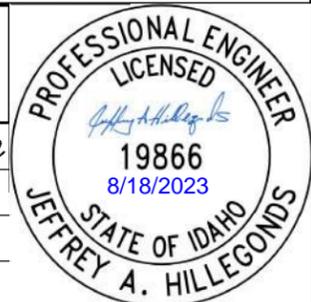


Stanley Consultants INC. 

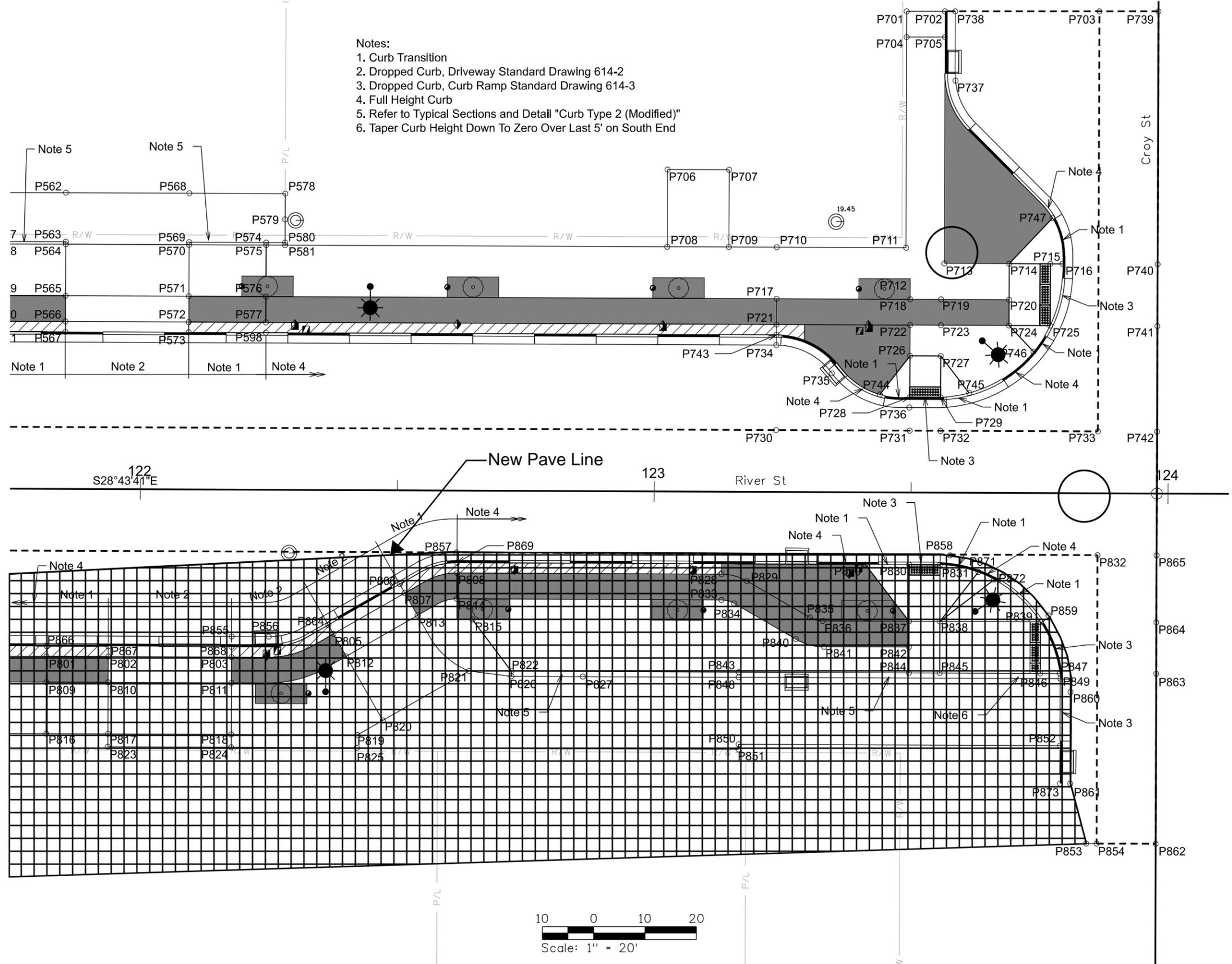
PROJECT NO.	A018(807)
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INTERSECTION DETAIL, TABLE 3	RIVER STREET; WALNUT TO GALENA, HAILEY
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<b>English</b>
COUNTY Blaine
KEY NUMBER 18807
SHEET 26 OF 56



- Notes:
1. Curb Transition
  2. Dropped Curb, Driveway Standard Drawing 614-2
  3. Dropped Curb, Curb Ramp Standard Drawing 614-3
  4. Full Height Curb
  5. Refer to Typical Sections and Detail "Curb Type 2 (Modified)"
  6. Taper Curb Height Down To Zero Over Last 5' on South End



Removed from bid

8/17/2023 p:\7\SCI-PW\INTEG-2\stanieygroup.com\Dat\source-1\Documents\Loco\_Highway\_Technical\_Assistance\_Council\28427 - River Street, Walnut to Galena\11-CADD\Plan Sheets\13-Roadway\18807\_dett\_004.DGN

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	G. Shuger
DESIGN CHECKED	J. Hillegonds
DETAILED	B. Heuvelhorst
DRAWING CHECKED	J. Hillegonds

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY

CADD FILE NAME: 18807\_dett\_004

DRAWING DATE: 8/17/2023

**IDAHO TRANSPORTATION DEPARTMENT**

Stanley Consultants INC.




PROJECT NO. A018(807)

INTERSECTION DETAIL 4

**RIVER STREET;  
WALNUT TO GALENA, HAILEY**

**English**

COUNTY: Blaine

KEY NUMBER: 18807

SHEET 27 OF 56

PROFESSIONAL ENGINEER  
LICENSED  
*Jeffrey A. Hillegonds*  
19866  
8/18/2023  
STATE OF IDAHO  
JEFFREY A. HILLEGONDS

### NE CROY

Point Number	Station	Offset	Elevation
P701	123+48.74	93.40' LT	5319.51
P702	123+56.18	93.43' LT	5319.38
P703	123+86.25	93.55' LT	5320.43
P704	123+48.75	88.40' LT	5319.53
P705	123+56.20	88.43' LT	5319.42
P706	123+02.33	62.50' LT	5320.62
P707	123+14.33	62.50' LT	5320.65
P708	123+02.33	47.50' LT	5320.45
P709	123+14.33	47.50' LT	5320.38
P710	123+23.65	47.50' LT	5320.32
P711	123+48.80	47.50' LT	5320.06
P712	123+49.65	41.50' LT	5319.99
P713	123+56.28	44.50' LT	5319.91
P714	123+68.90	44.50' LT	5319.72
P715	123+76.90	44.50' LT	5319.47
P716	123+79.26	44.50' LT	5319.40
P717	123+23.65	37.50' LT	5320.18
P718	123+49.65	37.50' LT	5319.94
P719	123+55.65	37.50' LT	5319.89
P720	123+68.90	37.50' LT	5319.75
P721	123+23.65	32.50' LT	5320.10
P722	123+49.65	32.50' LT	5319.92
P723	123+55.65	32.50' LT	5319.87
P724	123+68.90	32.50' LT	5319.77
P725	123+76.90	32.50' LT	5319.50
P726	123+49.65	26.52' LT	5319.85
P727	123+55.65	26.52' LT	5319.80
P728	123+49.65	18.52' LT	5319.76
P729	123+55.65	18.52' LT	5319.71
P730	123+23.65	12.00' LT	5320.10
P731	123+49.65	12.00' LT	5319.95
P732	123+55.65	12.00' LT	5319.91
P733	123+86.30	12.00' LT	5319.72
P734	123+23.65	28.50' LT	5319.69
P735	123+34.48	23.06' LT	5319.62
P736	123+49.57	16.50' LT	5319.75
P737	123+58.30	79.99' LT	5319.09
P738	123+58.18	93.44' LT	5319.15
P739	123+97.75	93.60' LT	5320.41
P740	123+97.78	44.50' LT	5319.96
P741	123+97.79	32.50' LT	5319.88
P742	123+97.80	12.00' LT	5319.88
P743	123+23.65	30.50' LT	5320.07
P744	123+43.85	19.01' LT	5320.07
P745	123+61.20	19.36' LT	5320.03
P746	123+73.69	27.44' LT	5319.91
P747	123+77.27	53.36' LT	5319.69

### NW CROY

Point Number	Station	Offset	Elevation
P801	121+81.88	32.50' RT	5320.96
P802	121+93.88	32.50' RT	5320.51
P803	122+17.88	32.50' RT	5320.37
P804	122+36.69	26.18' RT	5320.34
P805	122+37.69	27.92' RT	5320.37
P806	122+50.55	18.18' RT	5320.42
P807	122+51.51	19.94' RT	5320.45
P808	122+61.68	16.00' RT	5320.89
P809	121+81.88	37.50' RT	5321.03
P810	121+93.88	37.50' RT	5320.59
P811	122+17.88	37.50' RT	5320.44
P812	122+40.19	32.25' RT	5320.42
P813	122+54.05	24.25' RT	5320.52
P814	122+61.67	21.00' RT	5320.96
P815	122+64.73	25.00' RT	5321.00
P816	121+81.88	47.50' RT	5321.18
P817	121+93.88	47.50' RT	5320.74
P818	122+17.88	47.50' RT	5320.59
P819	122+42.43	47.50' RT	5320.56
P820	122+47.36	44.66' RT	5320.58
P821	122+64.08	35.00' RT	5320.71
P822	122+72.36	35.00' RT	5321.10
P823	121+93.88	50.00' RT	5320.93
P824	122+17.88	50.00' RT	5320.82
P825	122+42.37	50.00' RT	5320.88
P826	122+72.36	36.00' RT	5320.57
P827	122+86.24	36.00' RT	5320.54
P828	123+13.15	16.00' RT	5320.57
P829	123+18.11	17.31' RT	5320.57
P830	123+49.67	14.02' RT	5319.95
P831	123+55.67	14.02' RT	5319.91
P832	123+86.32	12.00' RT	5319.82
P833	123+13.15	21.00' RT	5320.62
P834	123+15.63	21.66' RT	5320.64
P835	123+30.41	24.34' RT	5320.58
P836	123+32.90	25.00' RT	5320.59
P837	123+49.69	25.00' RT	5320.48
P838	123+55.69	25.01' RT	5320.44
P839	123+75.26	25.00' RT	5319.38
P840	123+27.69	28.54' RT	5320.65
P841	123+33.18	30.00' RT	5320.66
P842	123+49.69	30.00' RT	5320.55
P843	123+16.56	35.00' RT	5320.84
P844	123+49.70	35.00' RT	5320.63
P845	123+55.70	35.00' RT	5320.59
P846	123+75.27	34.99' RT	5319.46
P847	123+79.07	35.00' RT	5319.23
P848	123+16.57	36.00' RT	5320.06
P849	123+79.17	36.00' RT	5319.22
P850	123+16.62	49.00' RT	5320.26
P851	123+16.62	50.00' RT	5320.27
P852	123+79.18	49.00' RT	5318.92
P853	123+84.37	67.99' RT	5318.61
P854	123+86.37	67.99' RT	5318.64
P855	122+17.88	28.50' RT	5320.34
P856	122+25.10	28.50' RT	5320.29
P857	122+61.55	12.00' RT	5320.48
P858	123+57.63	12.15' RT	5319.89

### NW CROY

Point Number	Station	Offset	Elevation
P859	123+76.82	23.73' RT	5319.37
P860	123+81.17	38.58' RT	5319.17
P861	123+81.19	56.35' RT	5318.75
P862	123+97.83	67.97' RT	5319.00
P863	123+97.82	34.98' RT	5319.47
P864	123+97.82	24.99' RT	5319.60
P865	123+97.81	11.98' RT	5319.79
P866	121+81.88	30.50' RT	5320.93
P867	121+93.88	30.50' RT	5320.48
P868	122+17.88	30.50' RT	5320.34
P869	122+61.68	14.00' RT	5320.86
P870	123+41.15	14.00' RT	5320.37
P871	123+63.14	15.37' RT	5320.13
P872	123+66.25	16.83' RT	5320.05
P873	123+79.19	56.35' RT	5318.76

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REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED G.Shuger	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
DESIGN CHECKED J.Hillegonds	
DETAILED B.Heuvelhorst	CADD FILE NAME 18807_detl_tbl_4
DRAWING CHECKED J.Hillegonds	DRAWING DATE: 8/17/2023

**IDAHO  
TRANSPORTATION  
DEPARTMENT**

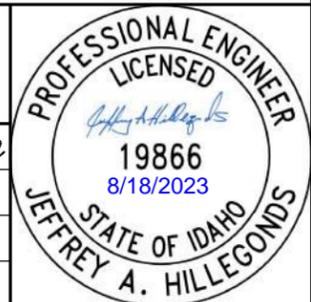
Stanley Consultants INC.



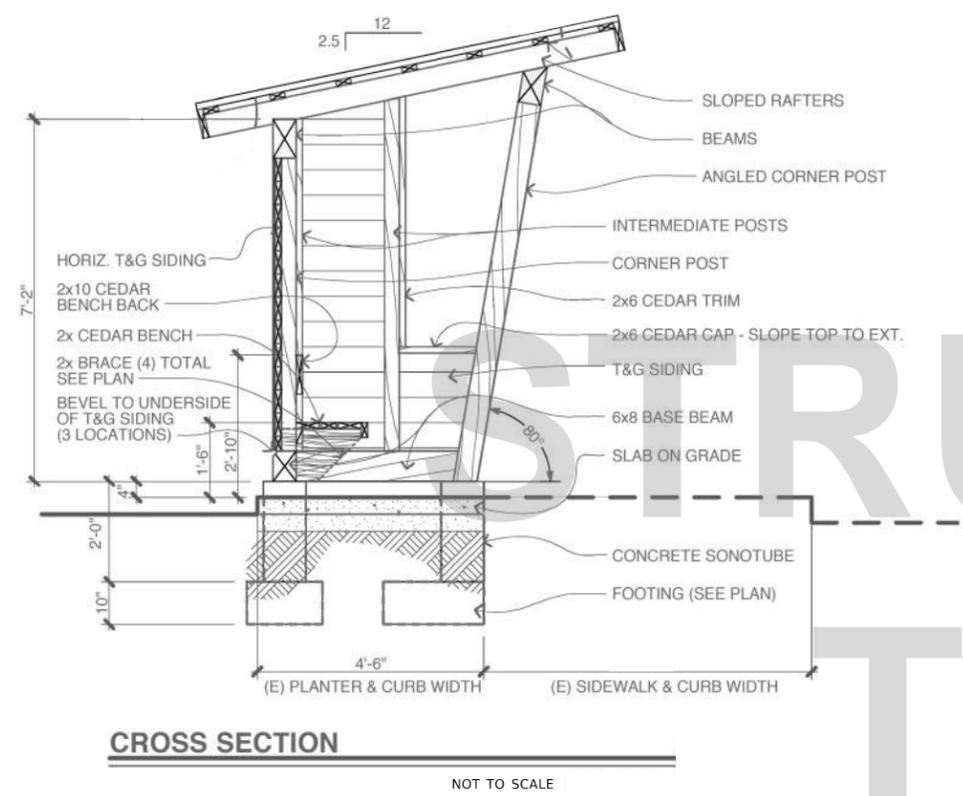

PROJECT NO.  A018(807)
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INTERSECTION DETAIL, TABLE 4  RIVER STREET; WALNUT TO GALENA, HAILEY
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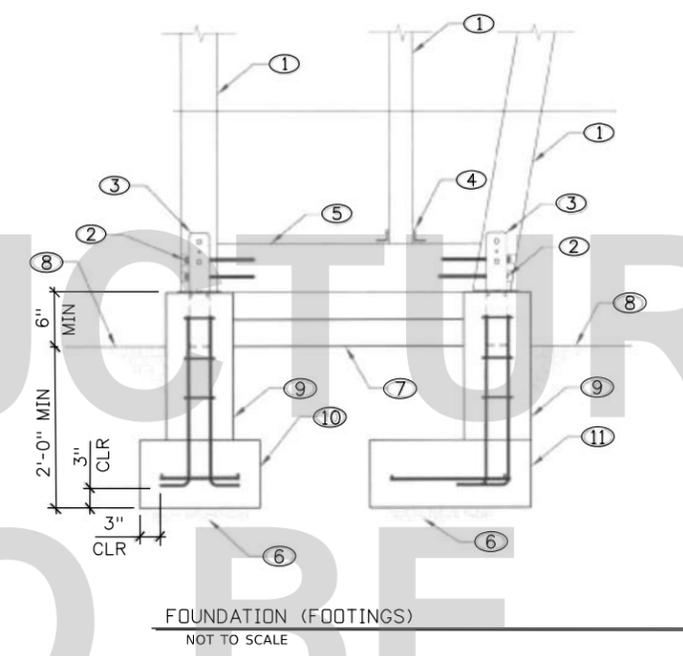
<b>English</b>
COUNTY Blaine
KEY NUMBER 18807
SHEET 28 OF 56



8/17/2023 p:\7\SCI-PW\INTEG-2.stanleygroup.com\Documents\Loco\_Highway\_Technical\_Assistance\_Council\28427 - River Street, Walnut to Galena\11-CADD\Plan Sheets\13-Roadway\18807\_plandt\_001a

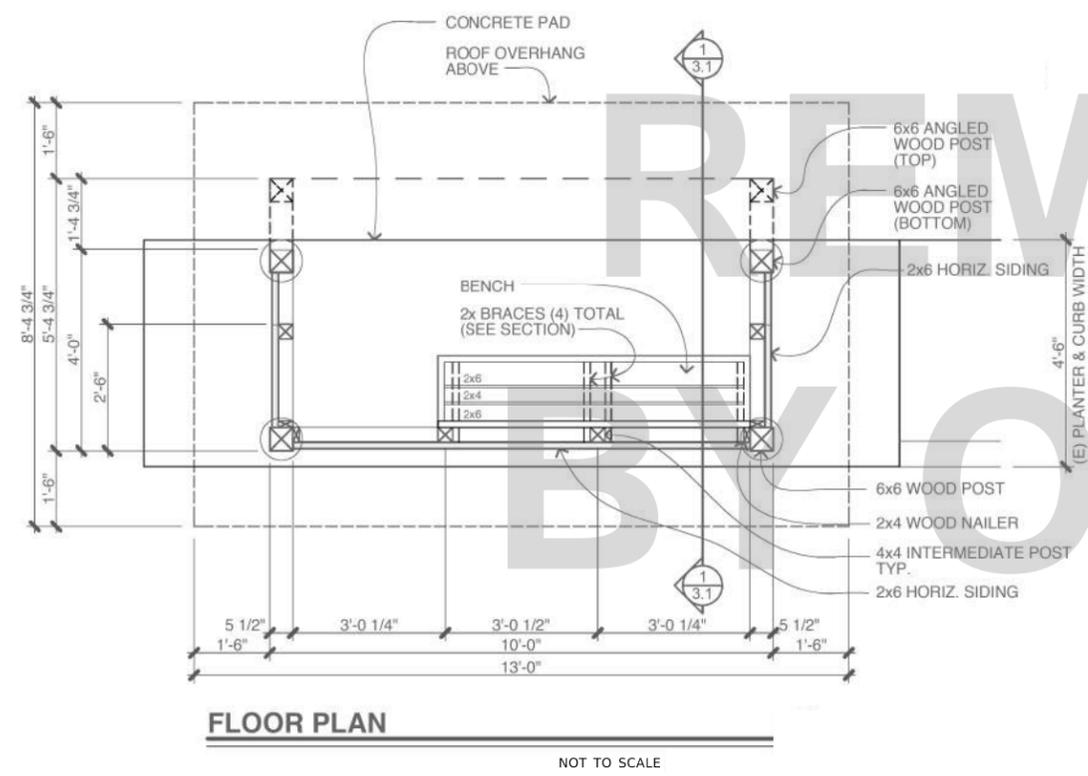


**CROSS SECTION**  
NOT TO SCALE

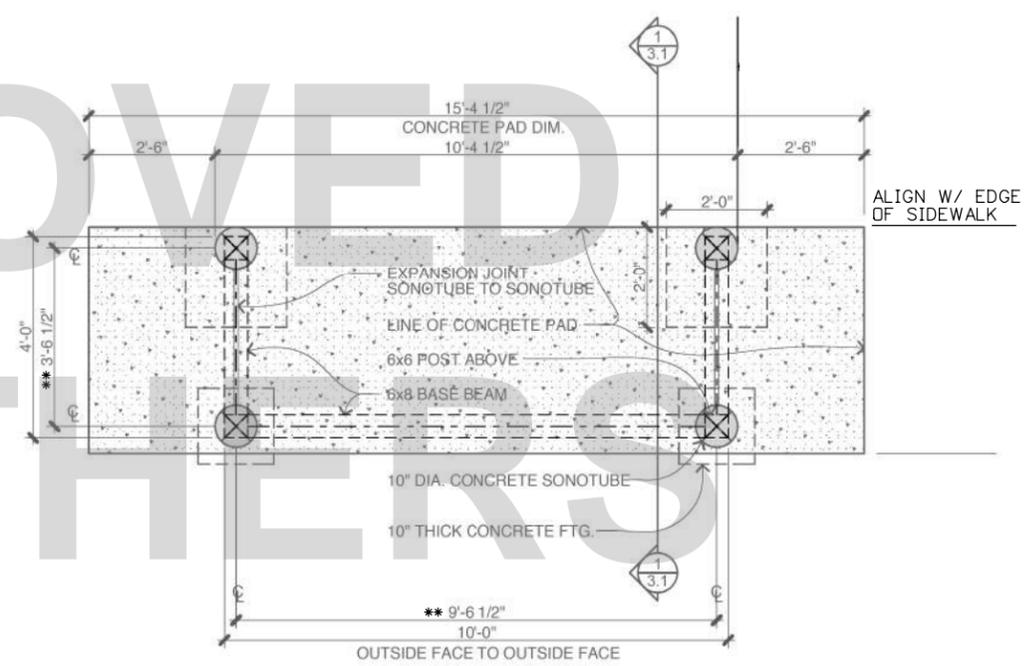


**FOUNDATION (FOOTINGS)**  
NOT TO SCALE

- FOUNDATION (FOOTINGS) KEYNOTES:
1. WOOD POSTS PER PLAN
  2. (2) 5/8 DIA. x 10" LONG LAG SCREWS AT EACH BASE BEAM TO POST
  3. CB56PC AT CORNER POSTS TO FOUNDATION
  4. HL33PC EACH SIDE OF POST TO BASE BEAM
  5. 6X8 BASE BEAM AT SIDE AND BACK OF SHELTER
  6. COMPACTED SUBGRADE
  7. CONCRETE SLAB ON GRADE
  8. FINAL GRADE
  9. 10" DIA. SONOTUBE W/ (4) \*4 DOWELS AND \*3 TIES AT 8" O.C.
  10. CONCRETE FOOTING 1'-6"x1'-6"x10" THICK W/ (2) \*4 EACH WAY BOTTOM
  11. CONCRETE FOOTING (OFFSET) 2'-0"x2'-0"x10" THICK W/ (2) \*4 EACH WAY BOTTOM
  12. PROVIDED MATERIALS MUST MEET CONTRACT BUY AMERICA REQUIREMENTS. THIS REQUIREMENT MUST BE INDICATED TO THE SUPPLIER AT THE TIME OF ORDERING.



**FLOOR PLAN**  
NOT TO SCALE



**FOUNDATION PLAN**  
NOT TO SCALE

\*\*VERIFY EXISTING DIMENSIONS BETWEEN CORNER POSTS

203-002A REMOVAL OF OBSTRUCTION (BUS SHELTER FOUNDATION)  
1 Each, Sta 118+13, 49' Rt

The following incidental items are included in the contract unit price.

- ~~Temporary relocation of existing bus shelter~~
- ~~Excavation and compacting backfill~~
- ~~Constructing new footings and pad~~
- ~~Reinstallation of existing bus shelter~~
- ~~All material, equipment, and labor required to accomplish work~~

BUS SHELTER NOTES:

1. EXISTING BUS SHELTER STRUCTURE SHALL BE UNBOLTED FROM FOUNDATION AND TEMPORARILY STORED OFF SITE IN A SAFE LOCATION.
2. EXISTING BUS SHELTER FOUNDATION SHALL BE DEMOLISHED.
3. CONSTRUCT NEW BUS SHELTER FOUNDATION AT CORRECT FINAL ELEVATIONS PER "INTERSECTION DETAIL 2." FOUNDATION SURFACE SHALL BE FLUSH WITH PROPOSED FINISHED SIDEWALK GRADE ALONG FRONT EDGE. VERIFY DIMENSIONS BETWEEN CORNER POSTS OF EXISTING BUS SHELTER STRUCTURE PRIOR TO LAYING OUT AND CONSTRUCTING THE (4) CONCRETE FOOTINGS.
4. REINSTALL EXISTING BUS SHELTER ON NEW FOUNDATION. PROVIDE NEW CONNECTIONS AND FASTENERS. REPLACE ANY WOOD PIECES DAMAGED DURING REMOVAL OR INSTALLATION.

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	G.Shuger	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
DESIGN CHECKED	J.Hillegonds	
DETAILED	B.Heuvelhorst	
DRAWING CHECKED	J.Hillegonds	
CADD FILE NAME	18807_plandt_001	DRAWING DATE: 8/17/2023
DRAWING DATE:	8/17/2023	

**IDAHO TRANSPORTATION DEPARTMENT**

Stanley Consultants INC.



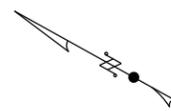
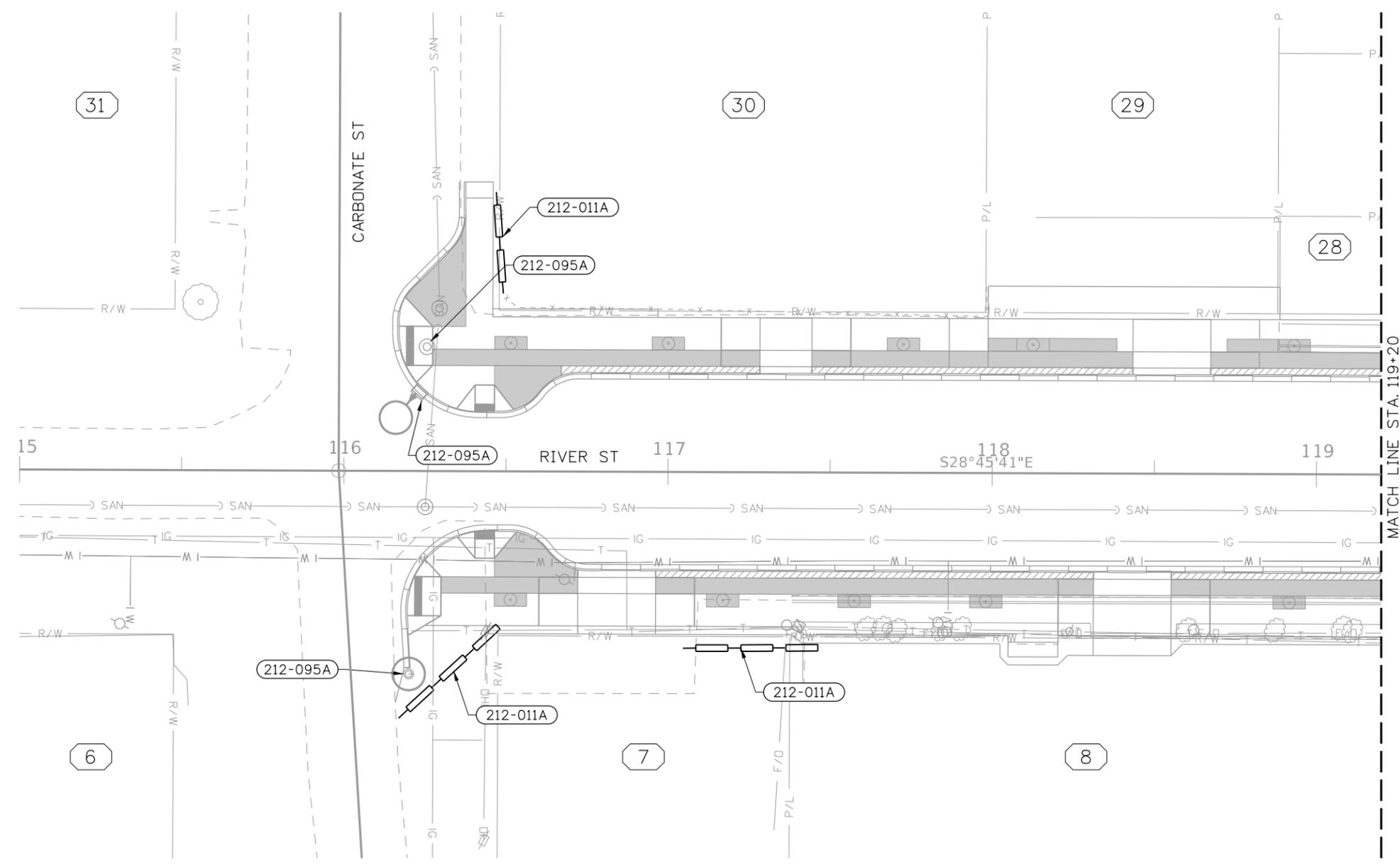

PROJECT NO.	A018(807)
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BUS SHELTER DETAILS	RIVER STREET; WALNUT TO GALENA, HAILEY
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<b>English</b>
COUNTY Blaine
KEY NUMBER 18807
SHEET 29 OF 56

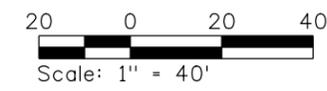
PROFESSIONAL ENGINEER  
LICENSED  
*Jeffrey A. Hillegonds*  
1986  
8/18/2023  
STATE OF IDAHO  
JEFFREY A. HILLEGONDS

8/17/2023 p:\7\SCI-PW\INTEG-2.stanleygroup.com\Datapoint\Documents\Local\_Highway\_Technical\_Assistance\_Council\28427 - River Street, Walnut to Galena\11-CADD\Plan Sheets\20-Erosion-Control\18807\_eros\_001



**212-011A** Fiber Wattle  
 35FT., Sta 116+45 to Sta 116+50 Lt  
 40FT., Sta 116+19 to Sta 116+49 Rt  
 40FT., Sta 117+07 to Sta 117+47 Rt

**212-095A** Inlet Protection  
 1 EA., Sta 116+20 Rt  
 1 EA., Sta 116+24 Lt  
 1 EA., Sta 116+26 Lt



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	G.Shuger
DESIGN CHECKED	J. Hillegonds
DETAILED	B.Heuvelhorst
DRAWING CHECKED	J.Hillegonds

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY

CADD FILE NAME  
18807\_eros\_001

DRAWING DATE:  
8/17/2023

**IDAHO TRANSPORTATION DEPARTMENT**

Stanley Consultants INC.




PROJECT NO.  
**A018(807)**

EROSION CONTROL 1

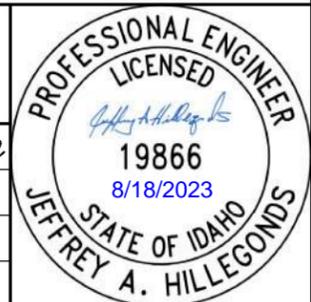
**RIVER STREET;  
WALNUT TO GALENA, HAILEY  
STA 115+00 - STA 119+20**

**English**

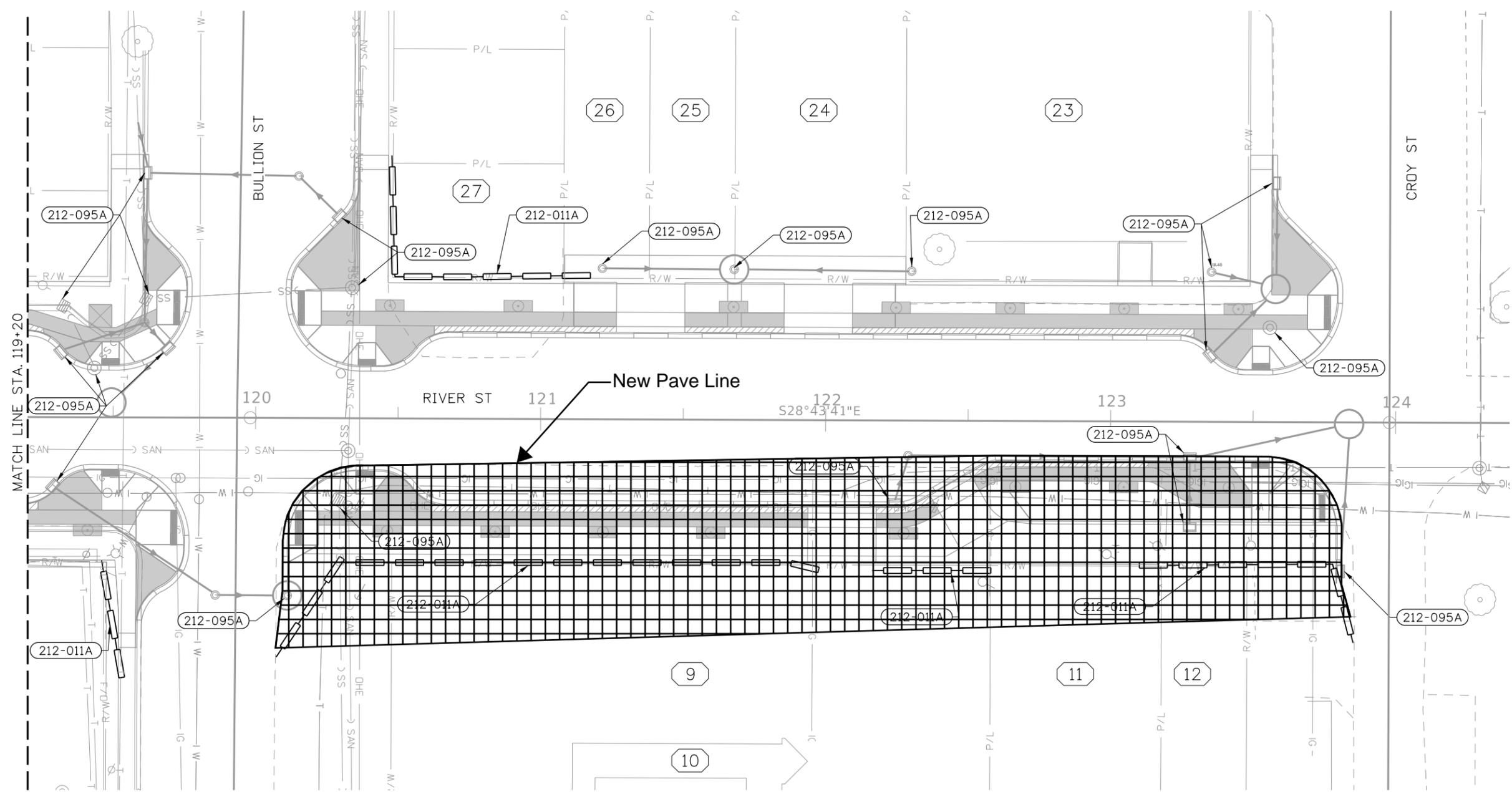
COUNTY  
Blaine

KEY NUMBER  
18807

SHEET 30 OF 56

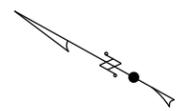


8/17/2023 p:\7\SCI-PW\INTEG-2.stanleygroup.com\Datatrace-1\Documents\Local\_Highway\_Technical\_Assistance\_Council\28427 - River Street, Walnut to Galena\11-CADD\Plan Sheets\20-Erosion-Control\18807\_eros\_002

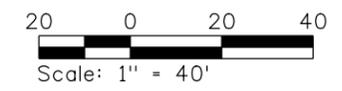


- (212-011A) Fiber Wattle  
105FT., Sta 120+47 to Sta 121+15 Lt  
40FT., Sta 119+46 to Sta 119+53 Rt  
20FT., Sta 120+07 to Sta 121+98 Rt  
~~40FT., Sta 122+17 to Sta 122+57 Rt~~  
20FT., Sta 123+10 to Sta 123+85 Rt

- (212-095A) Inlet Protection  
1 EA., Sta 119+31 Lt  
1 EA., Sta 119+32 Lt  
1 EA., Sta 119+43 Lt  
1 EA., Sta 119+61 Lt  
1 EA., Sta 119+62 Lt  
1 EA., Sta 119+70 Lt  
1 EA., Sta 119+28 Rt  
1 EA., Sta 120+10 Rt  
1 EA., Sta 120+30 Rt  
1 EA., Sta 120+29 Lt  
1 EA., Sta 120+33 Lt  
1 EA., Sta 121+21 Lt  
1 EA., Sta 121+67 Lt  
~~1 EA., Sta 122+24 Rt~~  
~~1 EA., Sta 122+30 Lt~~  
~~1 EA., Sta 123+27 Rt~~  
1 EA., Sta 123+28 Rt  
1 EA., Sta 123+34 Lt  
1 EA., Sta 123+35 Lt  
1 EA., Sta 123+58 Lt  
1 EA., Sta 123+81 Rt



Removed from bid



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	G.Shuger
DESIGN CHECKED	J. Hillegonds
DETAILED	B.Heuvelhorst
DRAWING CHECKED	J.Hillegonds

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY  
CADD FILE NAME 18807\_eros\_002  
DRAWING DATE: 8/17/2023

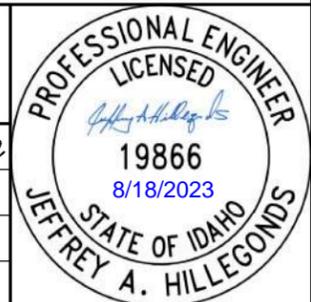
**IDAHO TRANSPORTATION DEPARTMENT**

Stanley Consultants INC.

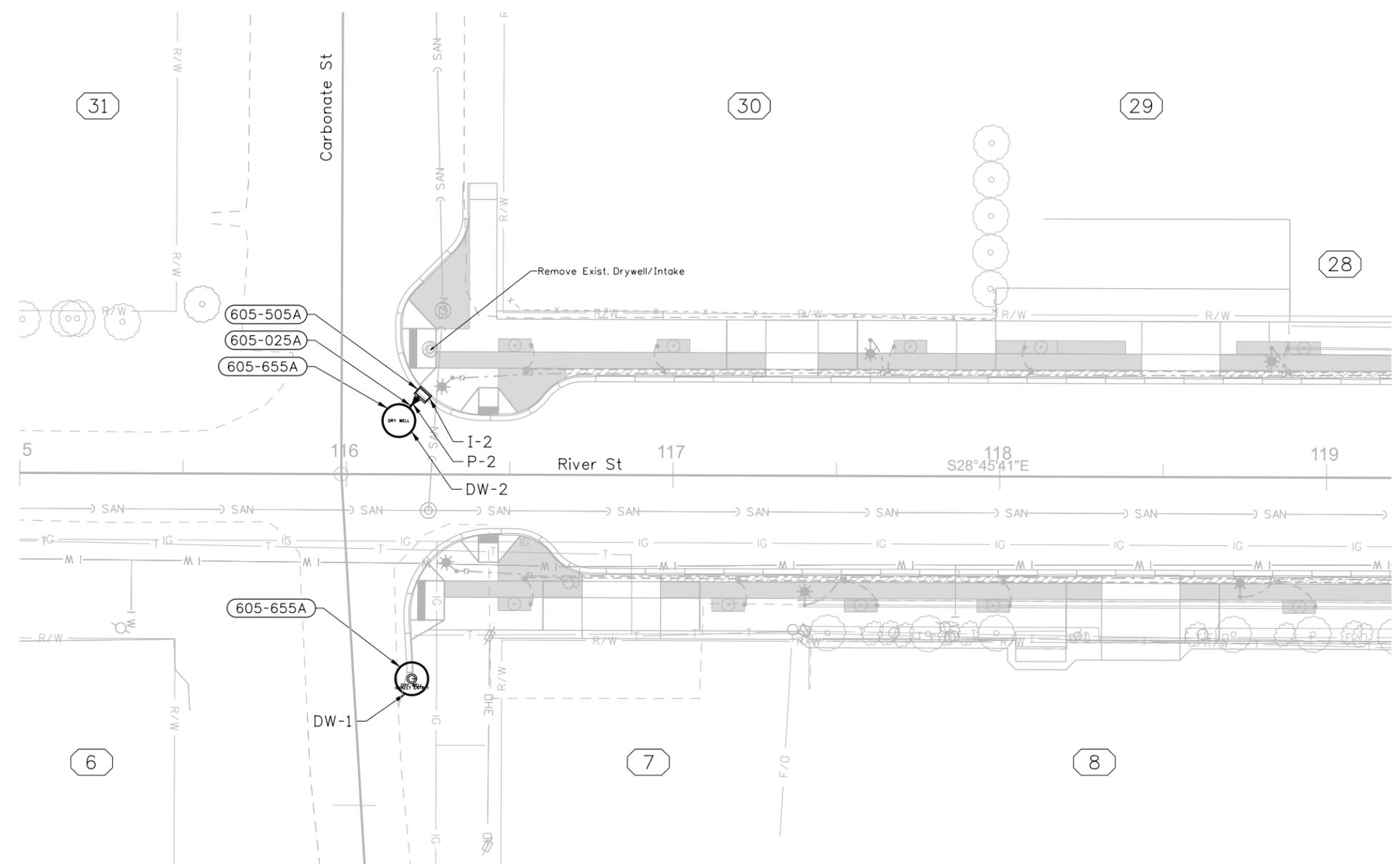
PROJECT NO.  
A018(807)

EROSION CONTROL 2  
**RIVER STREET;  
WALNUT TO GALENA, HAILEY  
STA 119+20 - STA 124+00**

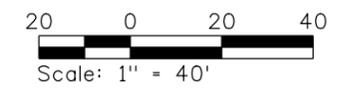
**English**  
COUNTY Blaine  
KEY NUMBER 18807  
SHEET 31 OF 56



8/17/2023 p:\7\SCI-PW\TEG-2.stanleygroup.com\Datapoint\1\Documents\Local\_Highway\_Technical\_Assistance\_Council\28427 - River Street, Walnut to Galena\11-CADD\Plan\_Sheets\22-Drainage\18807\_hydr\_001



- (605-025A) 12" Storm Sewer Pipe  
4.70 Ft., From I-2 to DW-2
- (605-505A) Catch Basin Type 1A  
1 EA., Sta 116+24.34, 24.46 Lt
- (605-655A) Dry Well (Direct Entry)  
1 EA., Sta 116+20.25, 62.45 Rt  
1 EA., Sta 116+16.01, 21.41 Lt



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	G. Shuger
DESIGN CHECKED	J. Hillegonds
DETAILED	B. Heuvelhorst
DRAWING CHECKED	J. Hillegonds

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY

CADD FILE NAME  
18807\_hydr\_001

DRAWING DATE:  
8/17/2023

**IDAHO TRANSPORTATION DEPARTMENT**

Stanley Consultants INC.




PROJECT NO.  
  
A018(807)

DRAINAGE PLAN 1

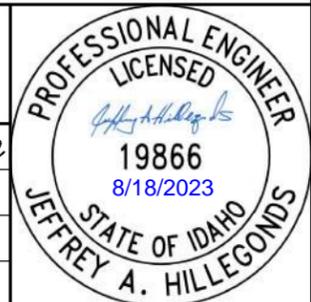
**RIVER STREET;  
WALNUT TO GALENA, HAILEY**

**English**

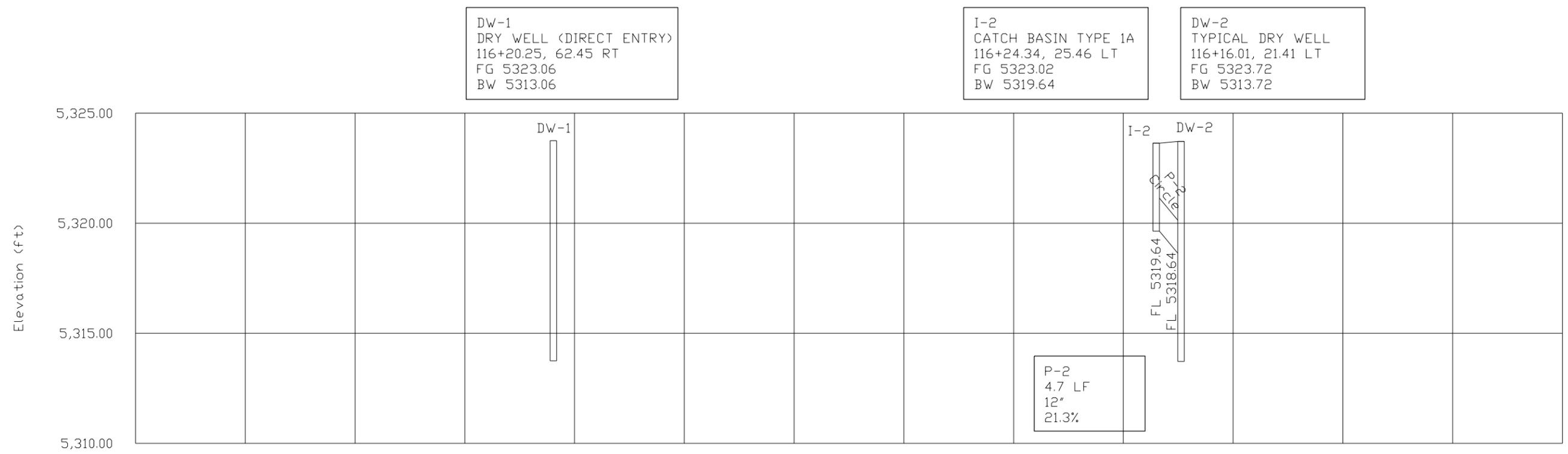
COUNTY  
Blaine

KEY NUMBER  
18807

SHEET 32 OF 56



8/17/2023 p:\7\SCI-PW\INTEG-2.stanleygroup.com\Dataproject\1\Documents\Local\_Highway\_Technical\_Assistance\_Council\28427 - River Street, Walnut to Galena\11-CADD\Plan Sheets\22-Drainage\18807\_hydr\_002.DGN



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED G.Shuger	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY  CADD FILE NAME 18807 hydr_002  DRAWING DATE: 8/17/2023
DESIGN CHECKED J.Hillemonds	
DETAILED B.Heuvelhorst	
DRAWING CHECKED J.Hillemonds	

**IDAHO TRANSPORTATION DEPARTMENT**

Stanley Consultants INC.

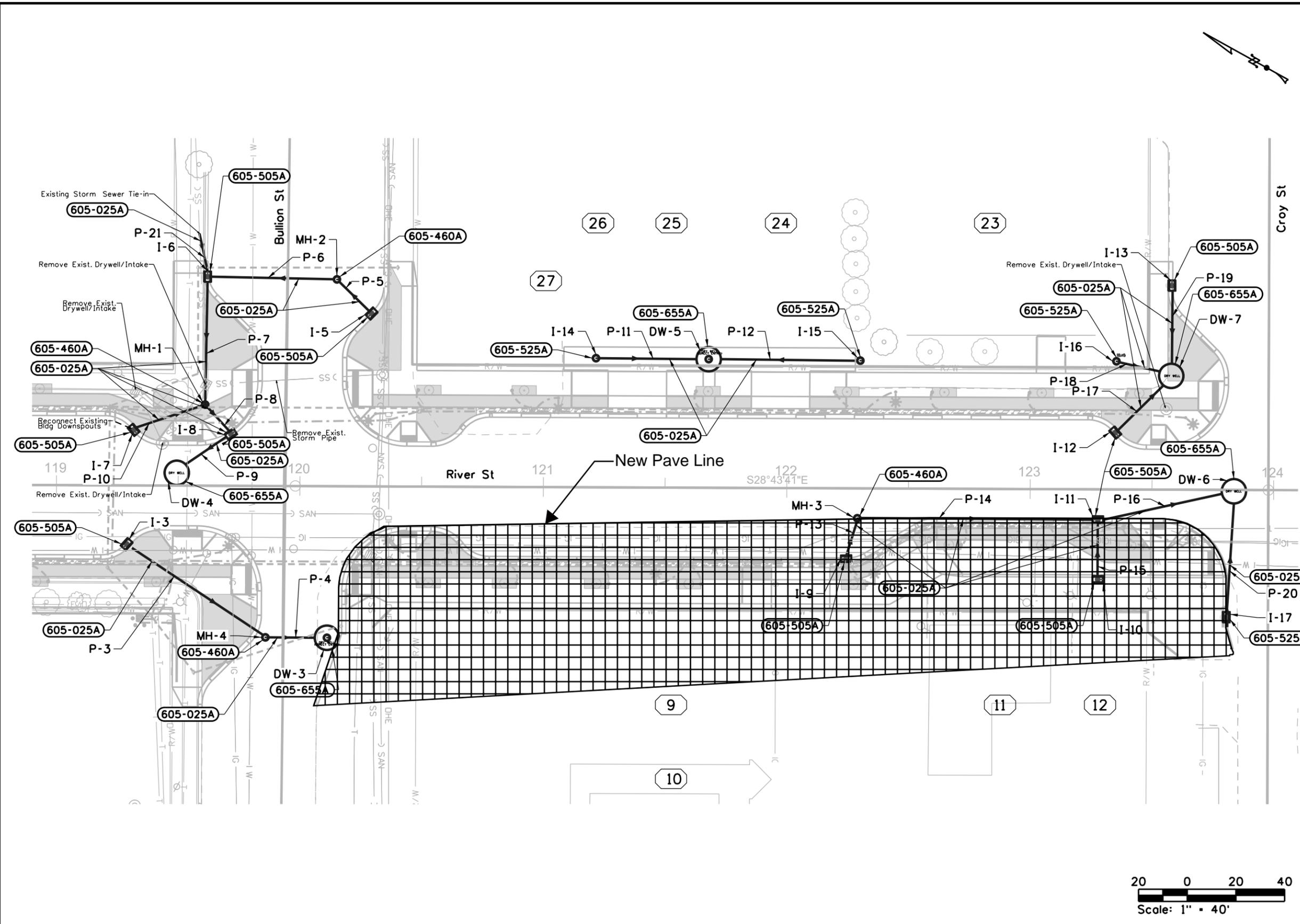



PROJECT NO.	A018(807)
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DRAINAGE PROFILE 1	RIVER STREET WALNUT TO GALENA, HAILEY
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<b>English</b>
COUNTY Blaine
KEY NUMBER 18807
SHEET 33 OF 56

**PROFESSIONAL ENGINEER**  
 LICENSED  
*Jeffrey A. Hillemonds*  
 19866  
 8/18/2023  
 STATE OF IDAHO  
**JEFFREY A. HILLEMONDS**



- 605-025A** 12" Storm Sewer Pipe
  - 66.25 Ft., From I-3 to MH-4
  - 18.80 Ft., From MH-4 to DW-3
  - 17.91 Ft., From I-5 to MH-2
  - 51.07 Ft., From MH-2 to I-6
  - 50.15 Ft., From I-6 to MH-1
  - 15.10 Ft., From MH-1 to I-8
  - 20.47 Ft., From I-8 to DW-4
  - 26.69 Ft., From I-7 to MH-1
  - 40.26 Ft., From I-14 to DW-5
  - 56.30 Ft., From I-15 to DW-5
  - ~~15.20 Ft., From I-9 to MH-3~~
  - 95.81 Ft., From MH-3 to I-11
  - ~~22.33 Ft., From I-10 to I-11~~
  - 49.87 Ft., From I-11 to DW-6
  - 44.44 Ft., From I-17 to DW-6
  - 26.14 Ft., From I-12 to DW-7
  - 16.85 Ft., From I-16 to DW-7
  - 29.88 Ft., From I-13 to DW-7
  - 20.00 Ft., From Existing to I-6

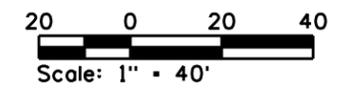
- 605-460A** Manhole Type B
  - 1 EA., Sta 119+60.97, 33.22 Lt
  - 1 EA., Sta 119+86.02, 62.09 Rt
  - 1 EA., Sta 120+14.85, 84.70 Lt
  - 1 EA., Sta 122+28.98, 14.00 Rt

- 605-505A** Catch Basin Type 1A
  - 1 EA., Sta 119+30.10, 25.11 Rt
  - 1 EA., Sta 120+30.30, 69.70 Lt
  - 1 EA., Sta 119+60.21, 85.61 Lt
  - 1 EA., Sta 119+32.82, 23.77 Lt
  - 1 EA., Sta 119+70.72, 22.46 Lt
  - ~~1 EA., Sta 122+24.54, 30.48 Rt~~
  - ~~1 EA., Sta 123+27.86, 35.34 Rt~~
  - 1 EA., Sta 123+27.85, 14.00 Rt
  - 1 EA., Sta 123+36.00, 24.33 Lt
  - 1 EA., Sta 123+56.21, 83.62 Lt

- 605-525A** Catch Basin Type 3A
  - 1 EA., Sta 121+21.44, 51.88 Lt
  - 1 EA., Sta 122+29.99, 51.32 Lt
  - 1 EA., Sta 123+35.19, 52.51 Lt
  - 1 EA., Sta 123+79.16, 52.16 Rt

- 605-655A** Dry Well (Direct Entry)
  - 1 EA., Sta 119+49.41, 5.19 Lt
  - 1 EA., Sta 120+11.36, 62.13 Rt
  - 1 EA., Sta 121+67.70, 51.82 Lt
  - 1 EA., Sta 123+57.73, 46.60 Lt
  - 1 EA., Sta 123+83.67, 0.57 Rt

Removed from bid



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED G.Shuger  
 DESIGN CHECKED J. Hillegonds  
 DETAILED B.Heuvelhorst  
 DRAWING CHECKED J. Hillegonds

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY  
 CADD FILE NAME 18807 hydr\_003  
 DRAWING DATE: 8/17/2023

**IDAHO TRANSPORTATION DEPARTMENT**

Stanley Consultants INC.

PROJECT NO. A018(807)

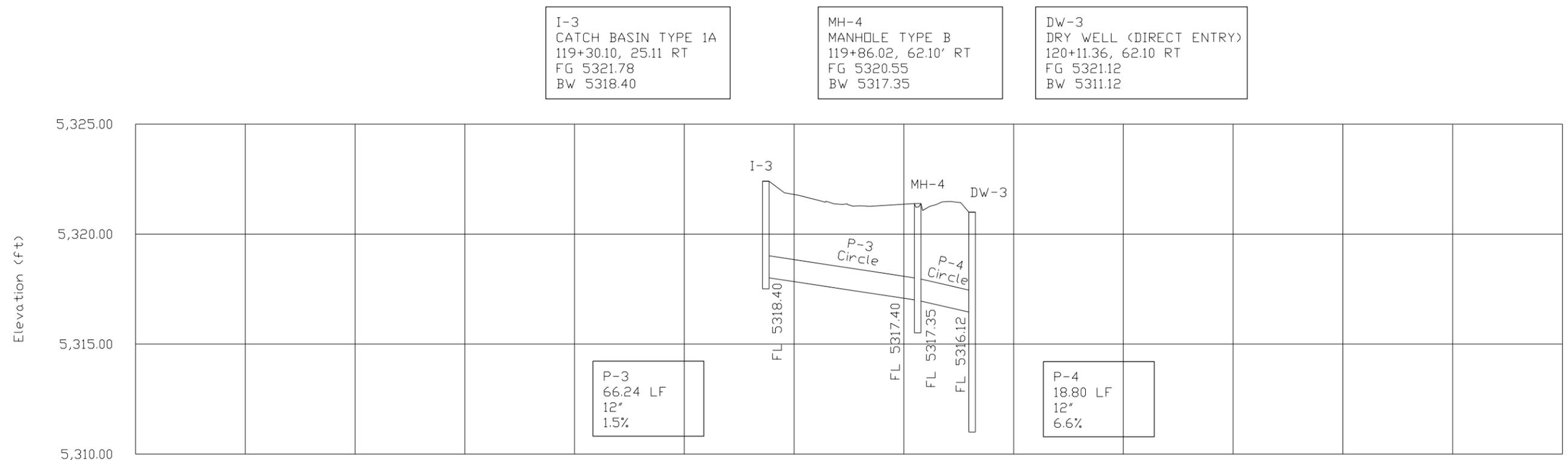
DRAINAGE PLAN 2  
 RIVER STREET;  
 WALNUT TO GALENA, HAILEY

**English**  
 COUNTY Blaine  
 KEY NUMBER 18807  
 SHEET 34 OF 56

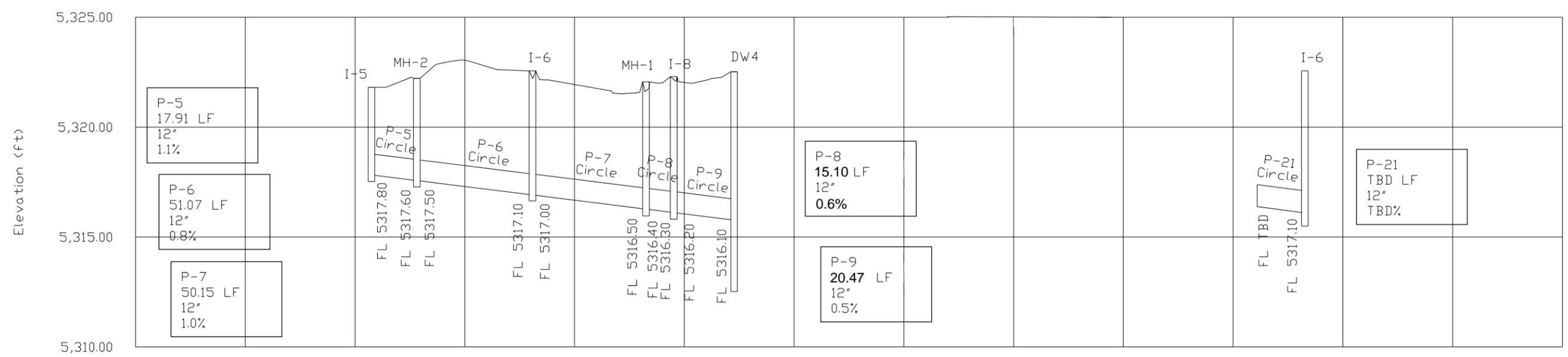


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I-5 CATCH BASIN TYPE 1A 120+30.30, 69.69 LT FG 5321.19 BW 5317.30	MH-2 MANHOLE TYPE B 120+14.85, 84.70 LT FG 5322.22 BW 5317.00	I-6 CATCH BASIN TYPE 1A 119+60.21, 85.59 LT FG 5321.94 BW 5316.50	MH-1 MANHOLE TYPE B 119+60.97, 33.22 LT FG 5322.06 BW 5315.90	I-8 CATCH BASIN TYPE 1A 119+71.56, 21.17' LT FG 5321.86 BW 5315.70	DW-4 TYPICAL DRY WELL 119+49.41, 5.19 LT FG 5322.52 BW 5312.52
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REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	G.Shuger
DESIGN CHECKED	J.Hillemonds
DETAILED	B.Heuvelhorst
DRAWING CHECKED	J.Hillemonds

SCALES SHOWN  
ARE FOR 11" X 17"  
PRINTS ONLY

CADD FILE NAME  
18807 hydr\_004

DRAWING DATE:  
8/17/2023

**IDAHO  
TRANSPORTATION  
DEPARTMENT**

Stanley Consultants INC.




PROJECT NO.  
  
A018(807)

DRAINAGE PROFILE 2  
  
RIVER STREET  
WALNUT TO GALENA, HAILEY

**English**

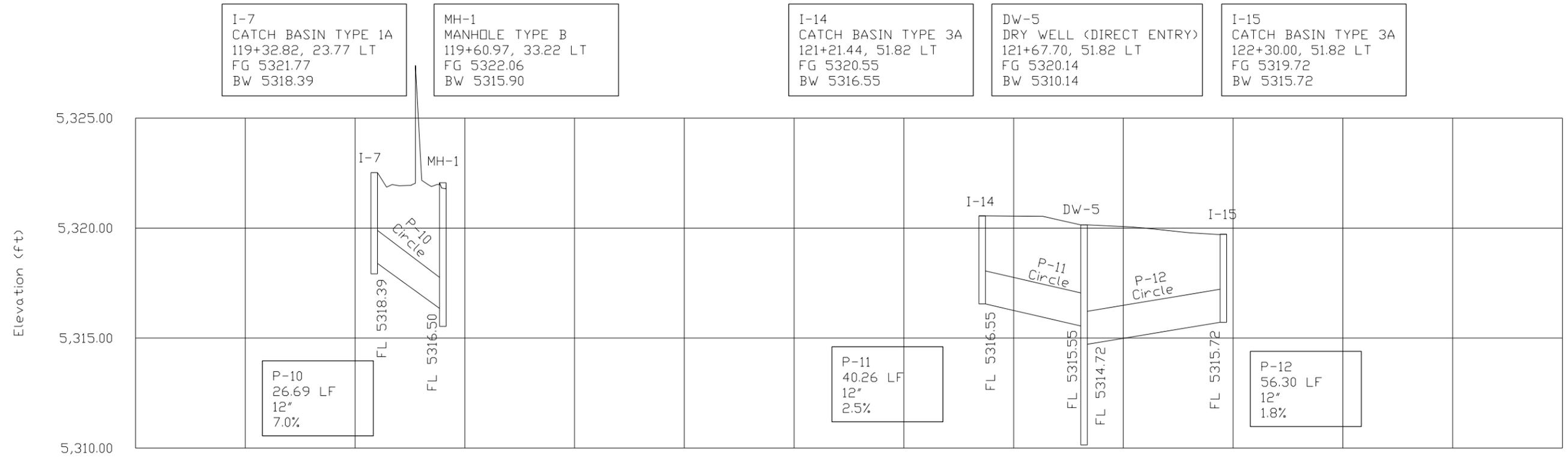
COUNTY  
Blaine

KEY NUMBER  
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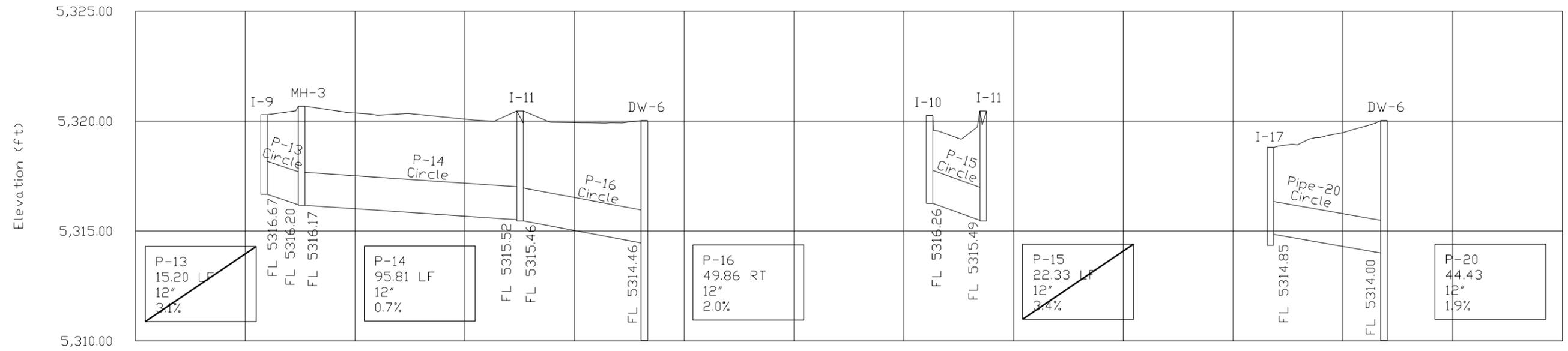
SHEET 35 OF 56



8/17/2023 p:\7\SCI-PW\INTEG-2.stanleygroup.com\Datapoint\Documents\Local\_Highway\_Technical\_Assistance\_Council\28427 - River Street, Walnut to Galena\11-CADD\Plan Sheets\22-Drainage\18807\_hydr\_005.DGN



<p>I-9 CATCH BASIN TYPE 1A 122+22.54, 30.47 RT FG 5320.18 BW 5316.67</p>	<p>MH-3 MANHOLE TYPE B 122+28.98, 14.00 RT FG 5320.68 BW 5316.17</p>	<p>I-11 CATCH BASIN TYPE 1A 123+27.85, 14.00 RT FG 5319.84 BW 5315.46</p>	<p>DW-6 Typical Dry Well 123+83.67, 0.56 RT FG 5320.01 BW 5310.01</p>	<p>I-10 CATCH BASIN TYPE 1A 123+27.85, 35.00 RT FG 5319.64 BW 5316.26</p>	<p>I-17 CATCH BASIN TYPE 3A 123+79.16, 52.16 RT FG 5318.23 BW 5314.85</p>
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REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	G.Shuger
DESIGN CHECKED	J.Hillemonds
DETAILED	B.Heuvelhorst
DRAWING CHECKED	J.Hillemonds

SCALES SHOWN  
ARE FOR 11" X 17"  
PRINTS ONLY

CADD FILE NAME  
18807 hydr\_005

DRAWING DATE:  
8/17/2023

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TRANSPORTATION  
DEPARTMENT**

Stanley Consultants INC.




PROJECT NO.  
  
A018(807)

DRAINAGE PROFILE 3  
  
RIVER STREET  
WALNUT TO GALENA, HAILEY

**English**

COUNTY  
Blaine

KEY NUMBER  
18807

SHEET 36 OF 56

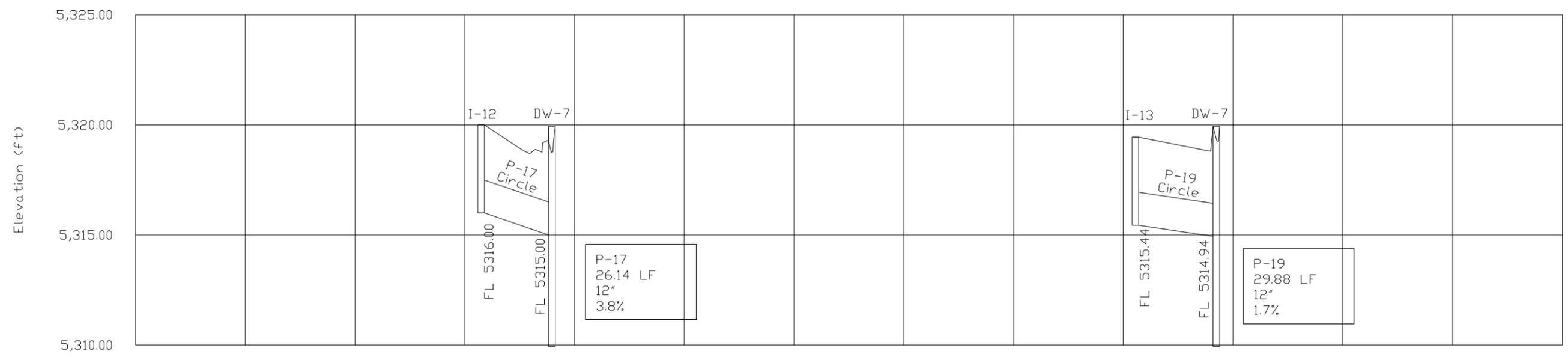


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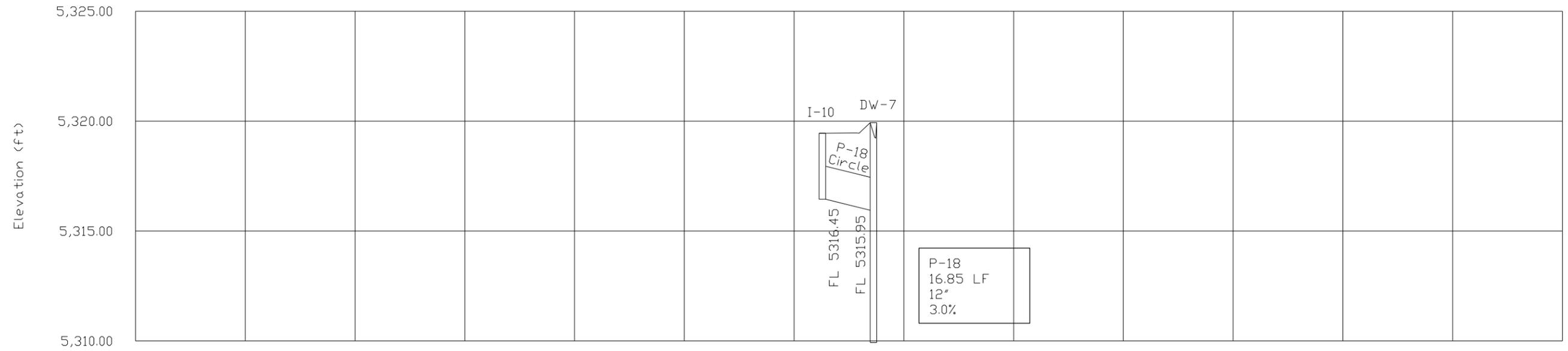
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Inlet Type 1A  
123+36.00, 24.33 LT  
FG 5319.38  
BW 5316.00

I-13  
CATCH BASIN TYPE 1A  
123+56.21, 83.62 LT  
FG 5318.82  
BW 5315.44

DW-7  
Typical Dry Well  
123+57.73, 46.60 Lt  
FG 5319.93  
BW 5309.93



I-10  
CATCH BASIN TYPE 1A  
123+27.85, 35.00 RT  
FG 5319.64  
BW 5316.26



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED G.Shuger	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY  CADD FILE NAME 18807 hydr_006  DRAWING DATE: 8/17/2023
DESIGN CHECKED J.Hillemonds	
DETAILED B.Heuvelhorst	
DRAWING CHECKED J.Hillemonds	

**IDAHO  
TRANSPORTATION  
DEPARTMENT**

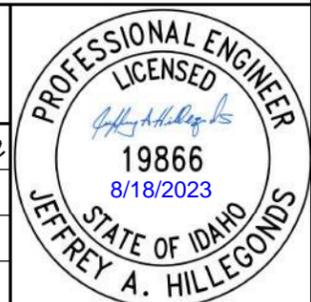
Stanley Consultants INC.



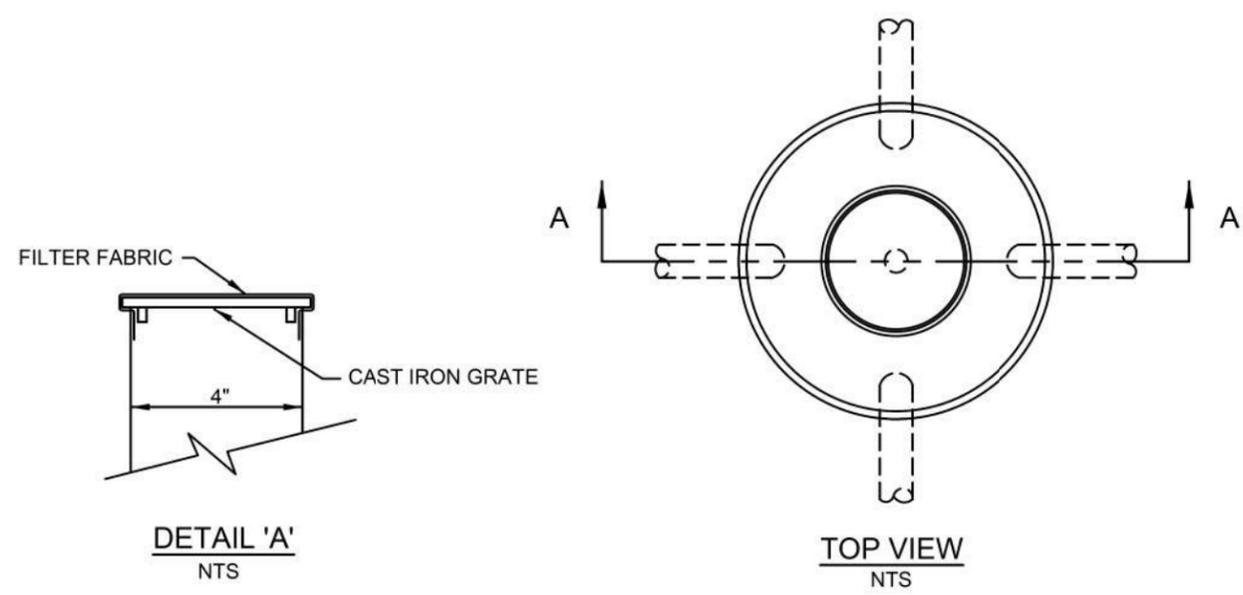

PROJECT NO.  A018(807)
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DRAINAGE PROFILE 4  RIVER STREET WALNUT TO GALENA, HAILEY
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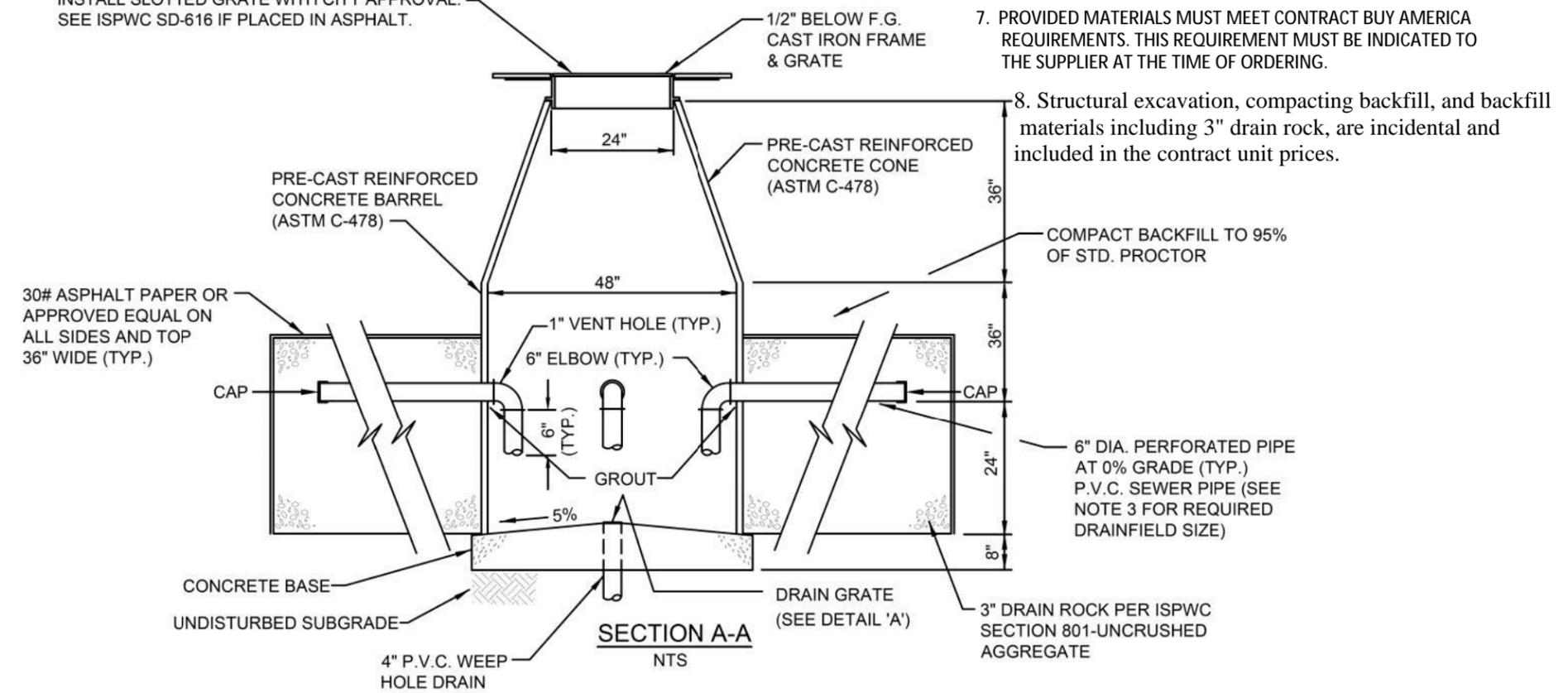
<b>English</b>
COUNTY Blaine
KEY NUMBER 18807
SHEET 37 OF 56



8/17/2023 p:\7\SCI-PW\INTEG-2.stanleygroup.com\Datapoint\1\Documents\Loco\_Highway\_Technical\_Assistance\_Council\28427 - River Street, Walnut to Galena\11-CADD\Plan Sheets\22-Drainage\18807\_hydr\_007.DGN



INSTALL SLOTTED GRATE WITH CITY APPROVAL. SEE ISPWC SD-616 IF PLACED IN ASPHALT.



**NOTES**

1. CONSTRUCTION OF THIS DRYWELL REQUIRES CITY OF HAILEY PRE-APPROVAL.
2. ALL SUBDIVIDERS AND APPLICANTS FOR COMMERCIAL OR INDUSTRIAL BUILDING PERMITS SHALL FURNISH DATA TO THE CITY WHICH SHOWS A DESIGN TO ACCOMMODATE THE RUN-OFF FROM A 1"/HOUR, 25 YEAR STORM.
3. AREA OF DRAINAGE IS \_\_\_\_ ACRES RESULTING IN A STORM EVENT FLOW OF \_\_\_\_ cfs
4. SOIL INFILTRATION RATE ASSUMPTION IS \_\_\_\_" / MIN., RESULTING IN A NEED FOR APPROXIMATELY \_\_\_\_ S.F. OF INFILTRATION AREA.
5. CONTRACTOR / OWNER SHALL SUBMIT IDAHO DEPARTMENT OF WATER RESOURCES (IWR) SHALLOW INJECTION WELL INVENTORY FORM FOR EACH DRYWELL CONSTRUCTED TO THE CITY OF HAILEY.
6. SATELLITE CATCH BASINS MAY BE USED DIRECTLY UPSTREAM OF THIS DRYWELL. NO PRIMARY CATCH BASIN IS REQUIRED.
7. PROVIDED MATERIALS MUST MEET CONTRACT BUY AMERICA REQUIREMENTS. THIS REQUIREMENT MUST BE INDICATED TO THE SUPPLIER AT THE TIME OF ORDERING.
8. Structural excavation, compacting backfill, and backfill materials including 3" drain rock, are incidental and included in the contract unit prices.

Dry Well	Impervious Drainage Area (Acres)	Storm Event Flow (CFS)	Infiltration Rate (Inches/Minute)	Infiltration Area Required (SF)
DW-1	0.21	0.19	1.00	124
DW-2	0.25	0.23	1.00	148
DW-3	0.33	0.30	1.00	194
DW-4	0.74	0.67	1.00	432
DW-5	0.55	0.50	1.00	324
DW-6	0.50	0.45	1.00	295
DW-7	0.60	0.54	1.00	354

REVISIONS	2018 CITY OF HAILEY STANDARD DRAWINGS	DIRECT ENTRY DRYWELL (WITH PRIOR CITY APPROVAL ONLY)	18.14.010.D.4b
			DRAWING NO.

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED G.Shuger  
 DESIGN CHECKED J.Hillemonds  
 DETAILED B.Heuvelhorst  
 DRAWING CHECKED J.Hillemonds

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY  
 CADD FILE NAME 18807 hydr\_007  
 DRAWING DATE: 8/17/2023

**IDAHO TRANSPORTATION DEPARTMENT**

Stanley Consultants INC.

PROJECT NO.  
A018(807)

DRAINAGE DETAIL 1  
 RIVER STREET  
 WALNUT TO GALENA, HAILEY

**English**

COUNTY Blaine  
 KEY NUMBER 18807  
 SHEET 38 OF 56



8/18/2023 p:\7\SCI-PW\INTEG-2.stanleygroup.com\Dataproject-1\Documents\Local\_Highway\_Technical\_Assistance\_Council\28427 - River Street, Walnut to Galena\11-CADD\Plan Sheets\30-Illumination\QUANTITIES & LEGEND

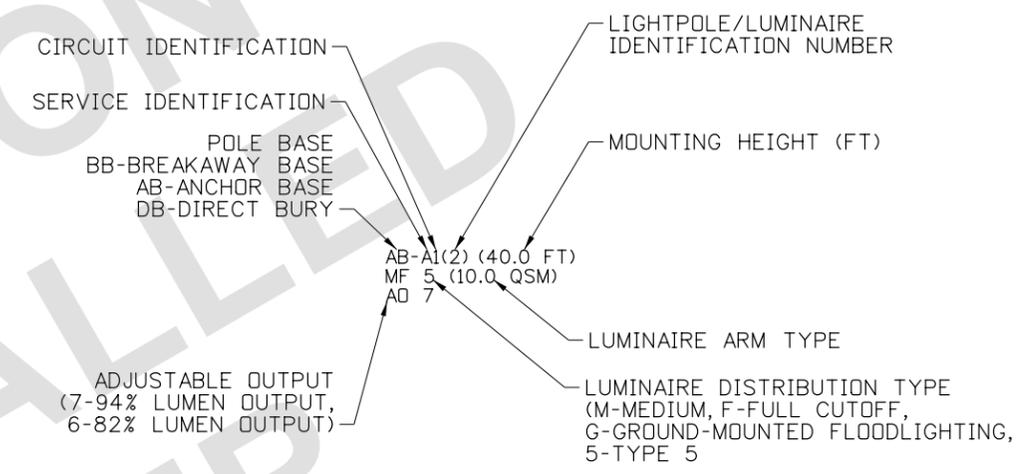
ITEM NO.	QUANTITY	MATERIAL DESCRIPTION
		ILLUMINATION TYPE 2 (ITEM 619-010A) ROADWAY LIGHTING* MATERIALS TO BE FURNISHED AND INSTALLED BY CONTRACTOR
1.	1 EACH	ELECTRICAL SERVICE PEDESTAL, 100 AMP 120/240 VOLT (LIGHTING SERVICE) TYPE 1, TO BE MYERS ELECTRICAL PRODUCTS CATALOG NUMBER MEUG16-M100 CALTRANS TYPE III-BF. CONFIGURED AS DESCRIBED. REFER TO CITY OF HAILEY STANDARD DRAWING 18.14.014.E.3.
2.	1 EACH	PHOTOELECTRIC CONTROL, QUICK RESPONSE, TWIST LOCKING TYPE 240 VOLT, TO BE GENERAL ELECTRIC CATALOG NO. PECOTL, FISHER-PIERCE 7790ESS, INTERMATIC K1200 SERIES, OR APPROVED EQUAL. ONE FOR SERVICE A.
3.	16 EACH	LUMINAIRE, 75 WATT, FULL CUTOFF, TYPE V DISTRIBUTION, TO BE HOLOPHANE LIGHTING, CATALOG NO. GBLF3 P40 27K MVOLT SYM QSM BK AD.
4.	16 EACH	ARM, VALMONT SINGLE 72ND AVENUE ALUMINUM ARM OR APPROVED EQUAL. REFER TO STREET LIGHT DETAIL ON SHEET 45.
5.	32 EACH	SINGLE POLE BREAK AWAY CONNECTOR KIT, FUSED IN LINE, TO BE BUSSMAN MFG. CATALOG NO. HEB-JW-RLC-J, FERRAZ-SHAWMUT CATALOG NO. FEB-81-81-BA, LITTLELFUSE LEB-JJ-S, OR APPROVED EQUAL.
6.	32 EACH	FUSES, 8 AMP, TO BE BUSSMAN TYPE KTK-8, FERRAZ-SHAWMUT CATALOG NO. ATM-8, LITTLELFUSE KLK-8, OR APPROVED EQUAL.
7.	40 EACH	SPLICE KITS, TO BE SEC CONNECTOR COMPANY MODEL NO. SEC 0791-0, OR APPROVED EQUAL.
8.	20 EACH	JUNCTION BOX, COMPOSITE SIZE C, WITH TRAFFIC RATED 3/8" LID AND "LIGHTING" LOGO IMPRINTED ON THE LID. TO BE QUAZITE CATALOG NO. PG1730BA18 WITH HEAVY DUTY LOCKING COVER, QUAZITE CATALOG NO. PG1730HA00, DR ARMORCAST CATALOG NO. A6001640HDAPCX18, OR APPROVED EQUAL.
9.	16 EACH	POLE, ALUMINUM, 18-FOOT POLE TO BE VALMONT PARK STREET FLUTED NON-TAPERED ALUMINUM POST OR APPROVED EQUAL. REFER TO STREET LIGHT DETAIL ON SHEET 45.
10.	16 EACH	FOUNDATION, REINFORCED CONCRETE, REFER TO CITY OF HAILEY STANDARD DRAWING 18.14.014.E.1 FOR CONCRETE, REINFORCING STEEL QUANTITIES, AND DETAIL CONFIGURATIONS.
11.	VARIOUS	MISCELLANEOUS, TO INCLUDE 3" PC CONDUIT WITH TRACER WIRE, 2-1/2" PC CONDUIT WITH TRACER WIRE, 2" PC CONDUIT WITH TRACER WIRE, 3/4" PC CONDUIT WITH TRACER WIRE, THWN WIRE, AND VARIOUS OTHER ITEMS, HARDWARE, AND FITTINGS TO COMPLETE THE INSTALLATION AS DEPICTED WITHIN THE PLANS.
12.	33 EACH	JUNCTION BOX, COMPOSITE SIZE C, WITH TRAFFIC RATED 3/8" LID AND "ELECTRIC" LOGO IMPRINTED ON THE LID. TO BE QUAZITE CATALOG NO. PG1730BA18 WITH HEAVY DUTY LOCKING COVER, QUAZITE CATALOG NO. PG1730HA00, DR ARMORCAST CATALOG NO. A6001640HDAPCX18, OR APPROVED EQUAL.
13.	58 EACH	SPLICE KITS (RECEPTACLES), TO BE SEC CONNECTOR COMPANY MODEL NO. SEC 0791-0, OR APPROVED EQUAL.
14.	26 EACH	STANCHION RECEPTACLES, TO INCLUDE COMPONENTS SHOWN IN RECEPTACLE DETAIL DRAWING INCLUDING, BUT NOT LIMITED TO, GFCI RECEPTACLE, SINGLE GANG CAST ALUMINUM BOX, CAST WEATHERPROOF COVER, AND 12-GAUGE SLOTTED STRUT CHANNEL (FACTORY POWDER COATED GREEN), AND ALL CONNECTORS, ETC. TO MAKE A COMPLETE SYSTEM.

\* PROVIDED MATERIALS MUST MEET CONTRACT BUY AMERICA REQUIREMENTS. THIS REQUIREMENT MUST BE INDICATED TO THE SUPPLIER AT THE TIME OF ORDERING.

RIVER ST, CORBONATE TO CROY  
ILLUMINATION TYPE II  
(619-010A) ROADWAY LIGHTING POLE SCHEDULE

POLE ID	POLE TYPE*	FURNISHED BY	LOCATION	INSTALL WITH A018(807)
1 - 16	ALUMINUM	CONTRACTOR	RIVER ST	1-16

**ABBREVIATIONS (LUMINAIRE POLE KEY):**



**LEGEND**

	SERVICE PEDESTAL
	TYPE C JUNCTION BOX WITH RED FIBERGLASS MARKER (LIGHTING)
	TYPE C JUNCTION BOX WITH RED FIBERGLASS MARKER (ELECTRICAL)
	STANCHION MOUNTED RECEPTACLE
	POLE WITH LUMINAIRE
	ILLUMINATION CONDUIT WITH TRACER WIRE
	ELECTRICAL CONDUIT WITH TRACER WIRE
	CONDUCTOR NUMBER

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED H. Newhard  
 DESIGN CHECKED N. Carrick  
 DETAILED S. Hassinger  
 DRAWING CHECKED N. Carrick

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY  
 CADD FILE NAME 18807 illum\_001  
 DRAWING DATE: 8/18/2023

**IDAHO TRANSPORTATION DEPARTMENT**  
  
 Stanley Consultants INC.

PROJECT NO. A018(807)

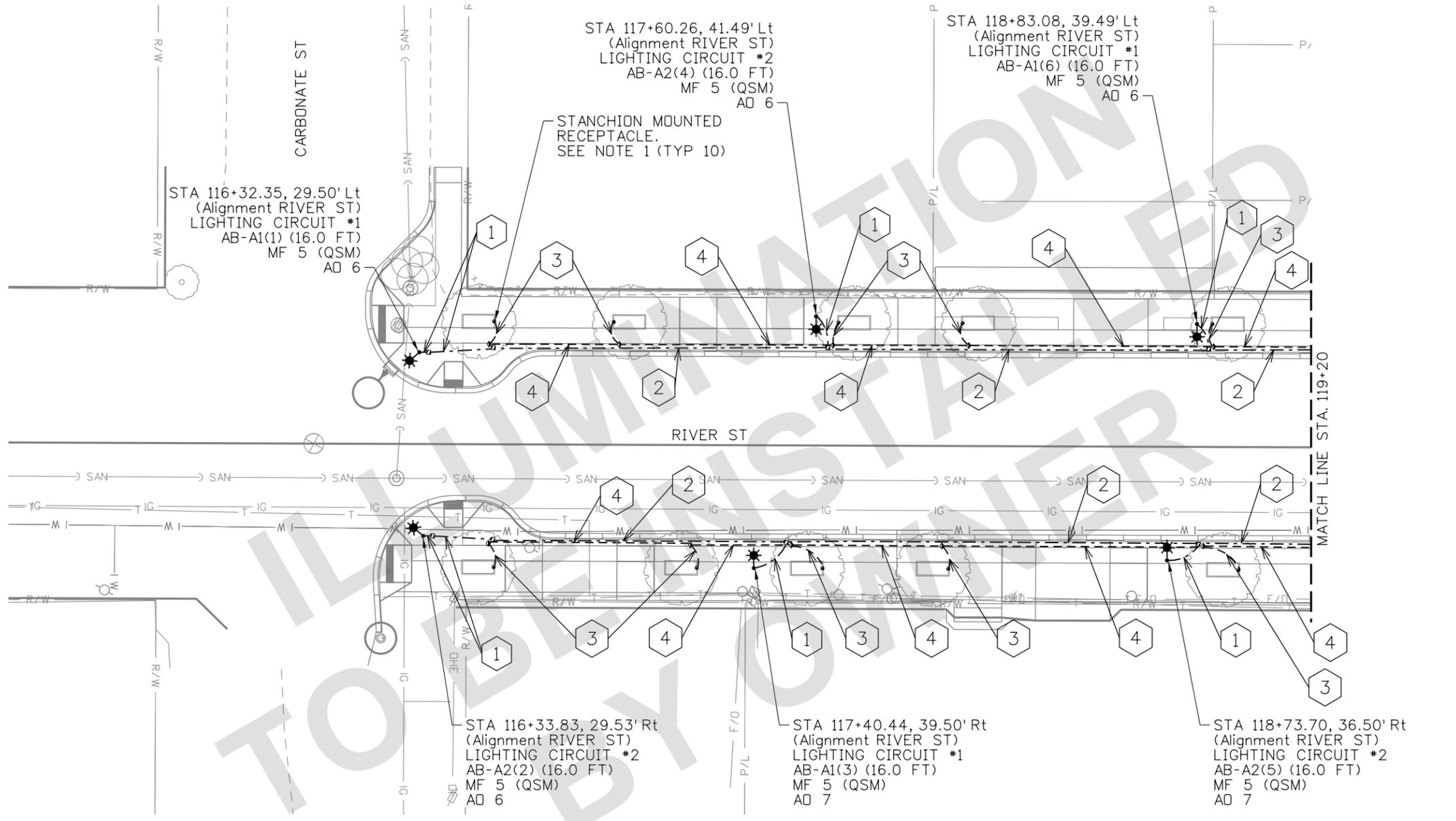
ILLUMINATION & ELECTRICAL  
 RIVER ST;  
 WALNUT TO GALENA, HAILEY  
 MATERIAL QUANTITIES/LEGEND

**English**

COUNTY Blaine  
 KEY NUMBER 18807  
 SHEET 39 OF 56

PROFESSIONAL ENGINEER  
 REGISTERED  
  
**18092**  
 08/18/2023  
 STATE OF IDAHO  
 NATALIE CARRICK

8/18/2023 p:\7\SCI-PW\INTEG-2.stanleygroup.com\Datapoint\1\Documents\Local\_Highway\_Technical\_Assistance\_Council\28427 - River Street, Walnut to Galena\11-CADD\Plan Sheets\30-Illumination\STA 115+00 TO STA 119+20



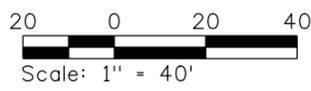
**LIGHTING SPECIFICATIONS (TYPE 5 DISTRIBUTION)**  
 LAMP: LIGHT-EMITTING DIODE  
 WATTAGE: 75  
 INTENSITY: 9.051 LUMENS  
 SERVICE: PEDESTAL MOUNTED  
 120/240 VOLT  
 SUPPORT: ALUMINUM POLES,  
 18.5' MOUNTING HEIGHT  
 CIRCUITRY: UNDERGROUND CONDUIT

**CONDUCTOR SCHEDULE**

- 1 Install 2" PC  
1-#8 THWNGRD  
Lighting  
2-#12 THWN  
Receptacles on Pole  
2-#12 THWN
- 2 Install 2.5" PC  
1-#8 THWNGRD  
Lighting  
2-#10 THWN (A1)  
2-#10 THWN (A2)  
Receptacles on Pole  
2-#6 THWN (A3)  
2-#6 THWN (A4)
- 3 Install 3/4" PC  
Receptacles on Stanchion  
2-#12 THWN  
1-#12 THWNGRD
- 4 Install 2.5" PC  
Receptacles on Stanchion  
2-#6 THWN (A5)  
2-#6 THWN (A6)  
1-#8 THWNGRD

**NOTES:**  
 1. MOUNT RECEPTACLE AND STANCHION AT EDGE OF TREE WELL, OPPOSITE IRRIGATION.

- LEGEND**
- ☼ LUMINAIRE POLE, FOUNDATION AND LUMINAIRE HEAD
  - ▣ JUNCTION BOX
  - ◊ RECEPTACLE JUNCTION BOX
  - STANCHION MOUNTED RECEPTACLE



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	H. Newhard
DESIGN CHECKED	N. Carrick
DETAILED	S. Hassinger
DRAWING CHECKED	N. Carrick

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY  
 CADD FILE NAME 18807 illum\_002  
 DRAWING DATE: 8/18/2023

**IDAHO TRANSPORTATION DEPARTMENT**

Stanley Consultants INC.

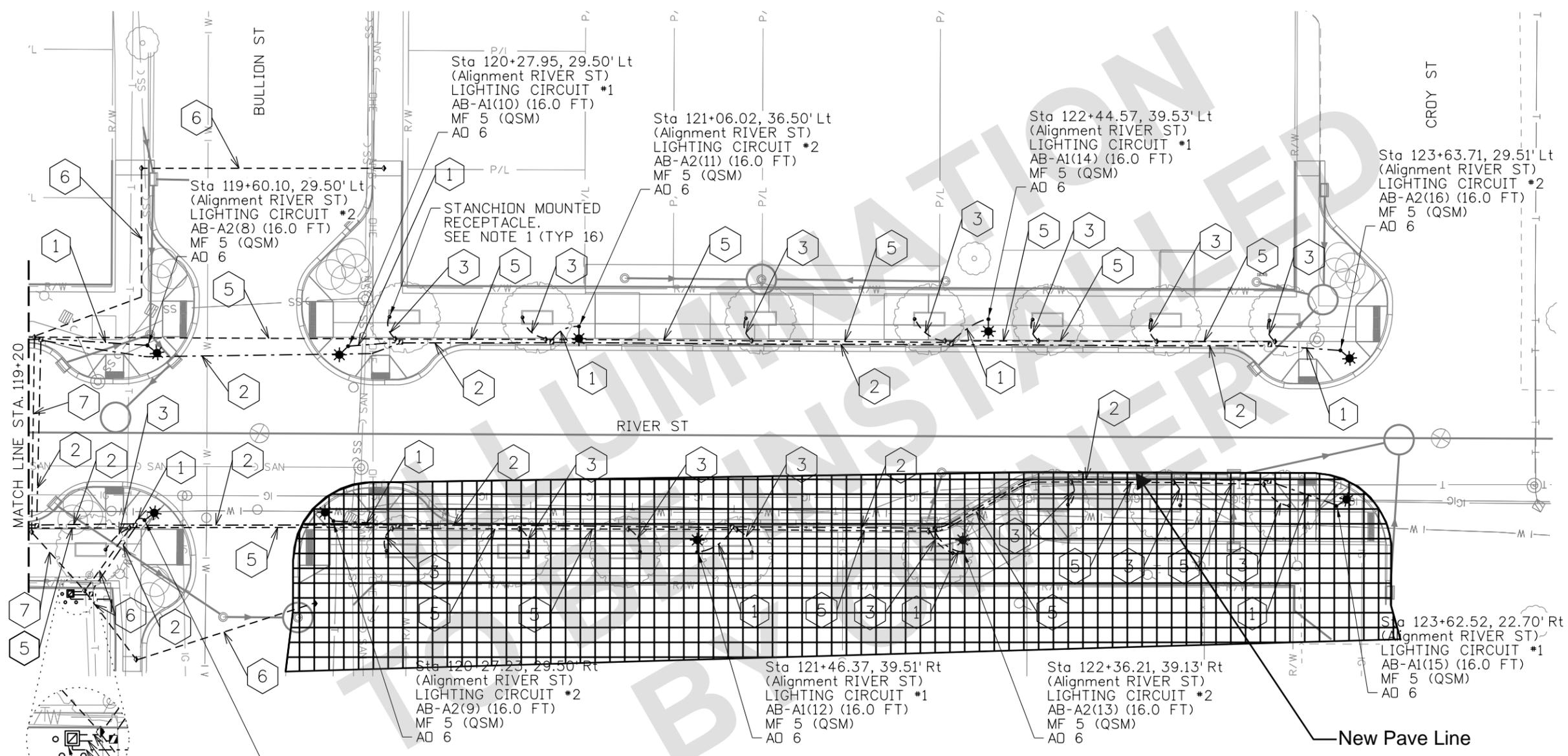



PROJECT NO.  
 A018(807)

ILLUMINATION & ELECTRICAL  
 RIVER ST;  
 WALNUT TO GALENA, HAILEY  
 STA 115+00 - STA 119+20

**English**  
 COUNTY Blaine  
 KEY NUMBER 18807  
 SHEET 40 OF 56

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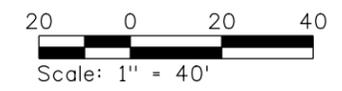


**LIGHTING SPECIFICATIONS (TYPE 5 DISTRIBUTION)**  
 LAMP: LIGHT-EMITTING DIODE  
 WATTAGE: 75  
 INTENSITY: 9.051 LUMENS  
 SERVICE: PEDESTAL MOUNTED  
 120/240 VOLT  
 SUPPORT: ALUMINUM POLES,  
 18.5' MOUNTING HEIGHT  
 CIRCUITRY: UNDERGROUND CONDUIT

- CONDUCTOR SCHEDULE**
- 1 Install 2" PC  
1-\*8 THWNGRD  
Lighting  
2-\*12 THWN  
Receptacles on Pole  
2-\*12 THWN
  - 2 Install 2.5" PC  
1-\*8 THWNGRD  
Lighting  
2-\*10 THWN (A1)  
2-\*10 THWN (A2)  
Receptacles on Pole  
2-\*6 THWN (A3)  
2-\*6 THWN (A4)
  - 3 Install 3/4" PC  
Receptacles on Stanchion  
2-\*12 THWN  
1-\*12 THWNGRD
  - 5 Install 2.5" PC  
Receptacles on Stanchion  
2-\*6 THWN (A7)  
2-\*6 THWN (A8)  
1-\*8 THWNGRD
  - 6 Install 2.5" PC  
Future Use
  - 7 Install 2.5" PC  
1-\*8 THWNGRD  
Receptacles on Stanchion  
2-\*6 THWN (A5)  
2-\*6 THWN (A6)  
Receptacles on Stanchion  
2-\*6 THWN (A7)  
2-\*6 THWN (A8)
  - 8 Install 2.5" PC  
1-\*8 THWNGRD  
Lighting  
2-\*10 THWN (A1)  
2-\*10 THWN (A2)  
Receptacles on Pole  
2-\*6 THWN (A3)  
2-\*6 THWN (A4)
  - 9 Install 3" PC per Idaho  
Power Installation Requirements  
Contractor to coordinate  
with the City of Hailey and  
Idaho Power for service  
connection

**NOTES:**  
 1. MOUNT RECEPTACLE AND STANCHION AT EDGE OF TREE WELL, OPPOSITE IRRIGATION.

- LEGEND**
- ☼ LUMINAIRE POLE, FOUNDATION AND LUMINAIRE HEAD
  - ▣ JUNCTION BOX
  - ◊ RECEPTACLE JUNCTION BOX
  - STANCHION MOUNTED RECEPTACLE



Removed from bid

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	H. Newhard	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
DESIGN CHECKED	N. Carrick	
DETAILED	S. Hassinger	CADD FILE NAME 18807 illum_003
DRAWING CHECKED	N. Carrick	DRAWING DATE: 8/18/2023

**IDAHO TRANSPORTATION DEPARTMENT**

Stanley Consultants INC.




PROJECT NO.  
A018(807)

ILLUMINATION & ELECTRICAL  
 RIVER ST;  
 WALNUT TO GALENA, HAILEY  
 STA 119+20 - STA 124+00

**English**  
 COUNTY Blaine  
 KEY NUMBER 18807  
 SHEET 41 OF 56

PROFESSIONAL ENGINEER  
 REGISTERED  
*Natalie Carrick*  
**18092**  
 08/18/2023  
 STATE OF IDAHO  
 NATALIE CARRICK

8/18/2023 p:\7\SCI-PW\INTEG-2.stanleygroup.com\Datasource-1\Documents\Loco\_Highway\_Technical\_Assistance\_Council\28427 - River Street, Walnut to Galena\11-CADD\Plan Sheets\30-Illumination\BREAKER\_SCHEDULE

PANEL: RIVER STREET PEDESTAL				LOCATION: INSIDE SERVICE PEDESTAL			
VOLTAGE (V):	120/240	PHASE:	1	WIRE SERVICE:	3	SERVICE ENTRANCE:	YES
BUS RATING (A):	100	NEUTRAL:	YES			FEED THRU LUGS:	NO
MAIN BREAKER (A):	100	200% NEUTRAL:	NO	IG BUS:	NO	PANEL SOURCE:	BY UTILITY
MINIMUM AIC (kA):	10	GROUND BUS:	YES			SOURCE LOCATION:	BY UTILITY
						SPD (L-N, L-G, N-G):	YES

NOTES	WIRING REQUIREMENT	BRANCH CIRCUIT LOAD DESCRIPTION	CONN. LOAD (VA)	LOAD TYPES	CIRCUIT BREAKERS				CKT. CONN.	CONN. LOAD (VA)	BRANCH CIRCUIT LOAD DESCRIPTION	WIRING REQUIREMENT	NOTES
					CB	SPACE #/PHASE	CB	CB					
	SEE PLANS	LIGHTING CIRCUIT 1	630	L	20/2	1 L1 2	20/2	L1-L2	630	LIGHTING CIRCUIT 2	SEE PLANS		
						3 L2 4		L1-L2					
	SEE PLANS	RECEPTACLES ON POLES (CKT 3)	960	R	20/1	5 L1 6	20/1	L1-N		SPARE			
(B)	SEE PLANS	RECEPTACLES AT STANCHION (CKT 5)	700	R	20/1	7 L2 8	20/1	L2-N	700	RECEPTACLES AT STANCHION (CKT 6)	SEE PLANS	(C)	
(D)	SEE PLANS	RECEPTACLES AT STANCHION (CKT 7)	700	R	20/1	9 L1 10	20/1	L1-N	700	RECEPTACLES AT STANCHION (CKT 8)	SEE PLANS	(E)	
	2#12,#12GND	PHOTOCELL	1	A	15/1	11 L2 12	20/1	L2-N	960	RECEPTACLES ON POLES (CKT 4)	SEE PLANS		
	2#12,#12GND	GFCI AT PEDESTAL	180	R	20/1	13 L1 14	20/2			SPARE			
	2#12,#12GND	STRIP HEATER	100	H	15/1	15 L2 16							
		SPARE			20/2	17 L1 18	20/2			SPARE			
						19 L2 20							
		SPARE			20/2	21 L1 22	20/2			SPARE			
						23 L2 24							
		SPARE			20/1	25 L1 26	20/1			SPARE			
		SPACE				27 L2 28				SPACE			
		SPACE				29 L1 30	30/1	L1-N	10	SPD		(A)	
					TOTAL (KVA)								
SUB-TOTAL LEFT SIDE (KVA)			3.27					6.27			3.00	SUB-TOTAL RIGHT SIDE (KVA)	

LOAD TYPES	DEMAND (KVA)	DEMAND FACTOR (DF)	PANEL DEMAND (KVA)	CONNECTED LOAD LEFT SIDE (KVA)	TOTAL PER PHASE (KVA)			CONNECTED LOAD RIGHT SIDE (KVA)	PHASE CURRENT		
UNASSIGNED LOAD TYPE				1.84	L1-N	2.55	L1-N	0.71	LINE 1	26.50	A
L = LIGHTING LOAD	1.26		1.26	0.80	L2-N	2.46	L2-N	1.66	LINE-2	25.76	A
R = RECEPTACLE LOAD	4.90		4.90	0.63	L1-L2	1.26	L1-L2	0.63	LINE LOAD BALANCE		
A = APPLIANCE LOAD	0.01		0.01	TOTAL CONN. LOAD: 6.27 KVA			LINE 1			101.4%	
H = HEATING LOAD	0.10		0.10	PANEL DEMAND: 6.27 KVA			LINE 2			98.6%	
M = MOTOR LOAD				PANEL DF: 1.00							
E = EQUIPMENT LOAD				MIN. PANEL AMP.: 26.50 A							
S = SUB-PANEL LOAD				DESIGN MARGIN: 15.00 %							
FT = FEED THRU LOAD				DESIGN AMPACITY: 30.48 A							
O = OTHER LOAD											
TOTAL	6.27		6.27								

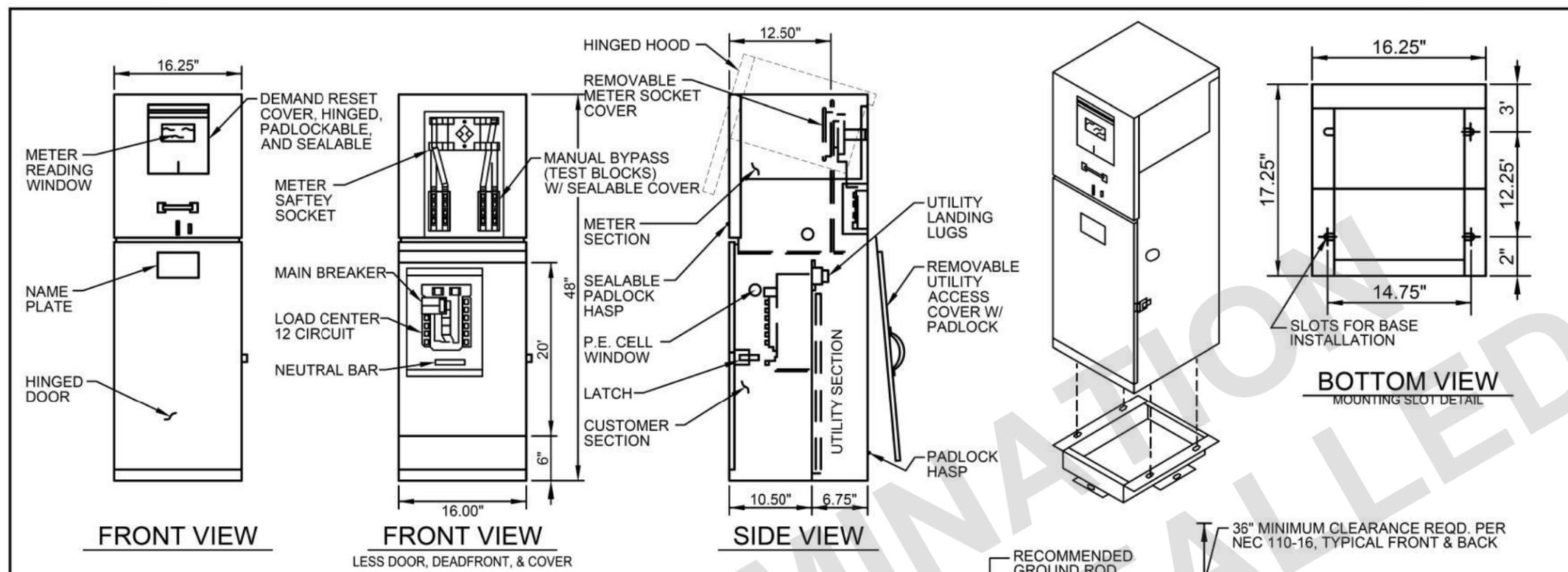
- NOTES:
- SEE CITY OF HAILEY STANDARD DRAWING 'LIGHT CONTROL DETAIL', DRAWING NUMBER 18.14.014.E.3, FOR ADDITIONAL INFORMATION.
  - LIGHTING CONTACTOR SHALL BE 30A, 8 POLE.
  - PRESSURE TYPE TERMINALS SHALL BE REQUIRED FOR #8 THROUGH #2 AWG. WIRE.
  - ALL SERVICES SHALL BE U.L. LABELED FOR MAXIMUM 100 AMP BUS RATING, AND "APPROVED FOR SERVICE ENTRANCE EQUIPMENT".
  - THE MAIN BREAKER LABEL SHALL BE MADE OF RED ON WHITE PLASTIC LAMINATE. THE BRANCH BREAKER LABELS SHALL BE MADE OF BLACK ON WHITE PLASTIC LAMINATE. THE LEGENDS SHALL BE ENGRAVED INTO THE STRIP SO AS TO PROVIDE WHITE LEGEND ON THE REQUIRED BACKGROUND. THE LABELS SHALL BE PERMANENTLY ATTACHED TO THE DEAD FRONT, NEXT TO THE CORRESPONDING BREAKERS.
  - ALL BUSSING TO BE 100 AMP RATED.
  - WIRING SHALL BE THWN/MTW 600V 90°C RATED.
  - RECEPTACLE CIRCUITS TO NOT BE SWITCHED THROUGH THE CONTACTOR.

NOTES:

(A)	SIZE SPD BREAKER AS REQUIRED	SPD RATINGS (WHEN INDICATED YES): SURGE CURRENT RATING PER PHASE (8X20uS): SEE NOTE (f) UL 1449 SUPPRESSION VOLTAGE RATINGS (SVR): SEE NOTE (A)
(B)	N OF RIVER ST / W OF BULLION ST	
(C)	S OF RIVER ST / W OF BULLION ST	
(D)	N OF RIVER ST / E OF BULLION ST	
(E)	S OF RIVER ST / E OF BULLION ST	

REVISIONS				DESIGNED B. Wachtel	IDAHO TRANSPORTATION DEPARTMENT  Stanley Consultants INC.	PROJECT NO.  A018(807)	ILLUMINATION & ELECTRICAL  RIVER ST; WALNUT TO GALENA, HAILEY BREAKER SCHEDULE	 COUNTY Blaine KEY NUMBER 18807 SHEET 42 OF 56	
NO.	DATE	BY	DESCRIPTION	DESIGN CHECKED L. Ingram		SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY			
				DETAILED S. Johnson		CADD FILE NAME 18807 illum_004			
				DRAWING CHECKED J. Hilleqonds		DRAWING DATE: 8/18/2023			

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**STANDARD FEATURES:**

- STANDARD VOLTAGE 120/240V 1Ø 3W.
- METER SOCKET: 4 JAW, 100 AMPS OR 200 AMPS.
- METER SOCKET WITH TEST BLOCKS.
- 12 CIRCUIT COPPER BUSSED INTERIOR.
- MAIN BREAKER: 100 AMP OR 200 AMP, 10K AIC.
- UTILITY LANDING LUGS: 200 AMPS, 250 KCMIL.
- UTILITY TEST SECTION.
- VANDAL-RESISTANT HINGED DOOR AND DEAD FRONT.
- LIGHT GREEN POWER COAT FINISHED IN ACCORDANCE WITH ASTM B-117. CUSTOM COLORS AVAILABLE.

**OPTIONAL FEATURES:**

- MAXIMUM VOLTAGE 480Y/277V 3Ø 4W (MAY EFFECT OPTION EQUIPMENT)
- 12 CIRCUIT INTERIOR MAY BE INCREASED TO 30 CIRCUIT.
- HIGHER AIC AVAILABLE UPON REQUEST.
- P.E. CELL, TEST SWITCH, LIGHTING RELAY MAY BE ADDED TO STANDARD.
- SOME EQUIPMENT MODIFICATIONS AVAILABLE. CONSULT YOUR FACTORY REPRESENTATIVE.
- METER SOCKETS: 5 JAW OR 7 JAW, 100 AMPS OR 200 AMPS.
- UNI-BODY CONSTRUCTION AVAILABLE IN STEEL, STAINLESS STEEL, AND ALUMINUM.
- PAD MOUNTING BASE AVAILABLE FOR CONCRETE FOUNDATION. ORDER SEPARATELY - MEUG16-BASE.
- ANCHOR BOLTS. ORDER SEPARATELY - 714548 (QUANTITY 4)

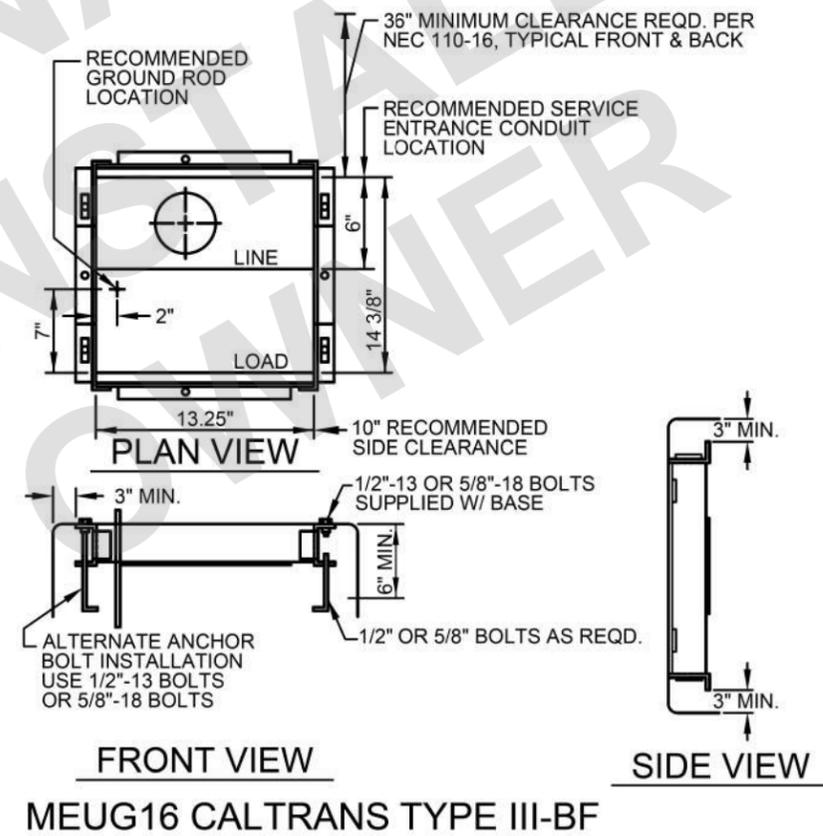
**SPECIFICATIONS:**

- 12-GUAGE CORROSION- RESISTANT ZINC COATED STEEL CONSTRUCTION. HOOD AND COVERS 14-GUAGE.
- RAINPROOF TYPE 3R ENCLOSURE.
- COMPLIES WITH CALTRANS SPECIFICATION ES-2E.
- MEETS EUSERC 308 REQUIREMENTS.
- ALL FACTORY WIRING IS 600 VOLT RATED COPPER.
- ACCEPTABLE CIRCUIT BREAKERS ARE GE, ITE, CROUSE-HINDS/MURRAY, CUTLER-HAMMER.
- SUITABLE FOR USE WITHOUT MAIN WHEN NO MORE THAN SIX SERVICE DISCONNECTS ARE INSTALLED AND USED IN ACCORDANCE WITH ARTICLE 384 OF THE NEC.
- LISTED BY UNDERWRITERS LABORATORIES, INC. 12-GUAGE

**STANDARD MODELS**

CATALOG NO.	AMPS	VOLTAGE	MAIN	AIC RATING
MEUG16-M100	100	120/240	100A	10,000
MEUG16-M200	200	120/240	200A	10,000

FOR ALUMINUM ENCLOSURE, ORDER MEUG16A-  
 FOR STAINLESS STEEL ENCLOSURE, ORDER MEUG16X-  
 \* PROVIDED MATERIALS MUST MEET CONTRACT BUY AMERICA REQUIREMENTS. THIS REQUIREMENT MUST BE INDICATED TO THE SUPPLIER AT THE TIME OF ORDERING.



REVISIONS	2018 CITY OF HAILEY STANDARD DRAWINGS	LIGHT CONTROL DETAIL	18.14.014.E.3 DRAWING NO.
-----------	--	----------------------	------------------------------

NO.	DATE	BY	DESCRIPTION

DESIGNED B. Wachtel  
 DESIGN CHECKED L. Ingram  
 DETAILED S. Johnson  
 DRAWING CHECKED J. Hilleqonds

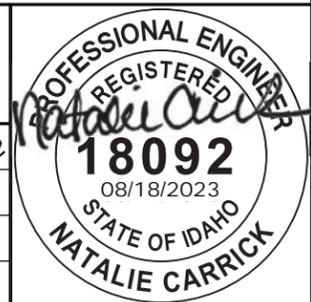
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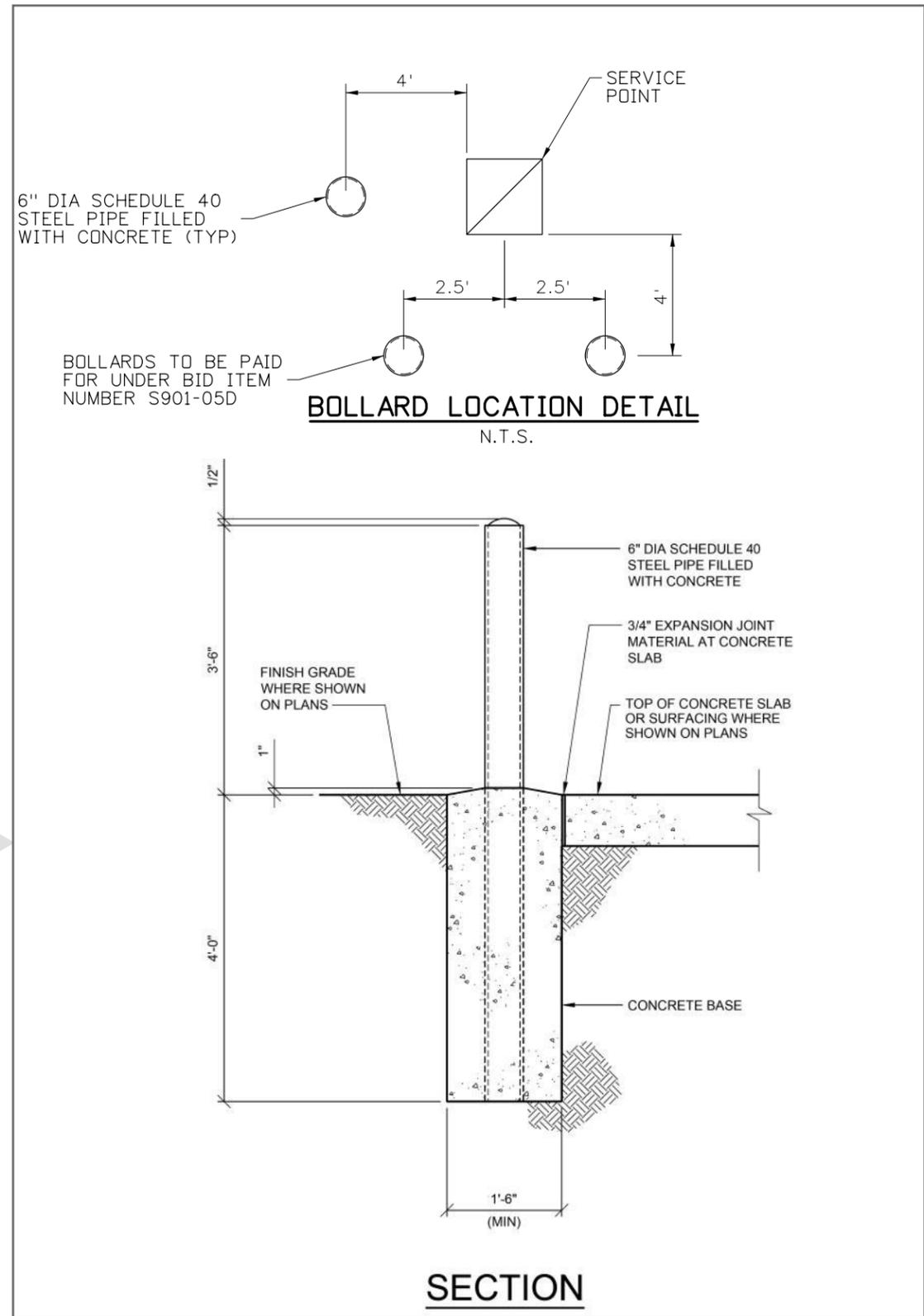
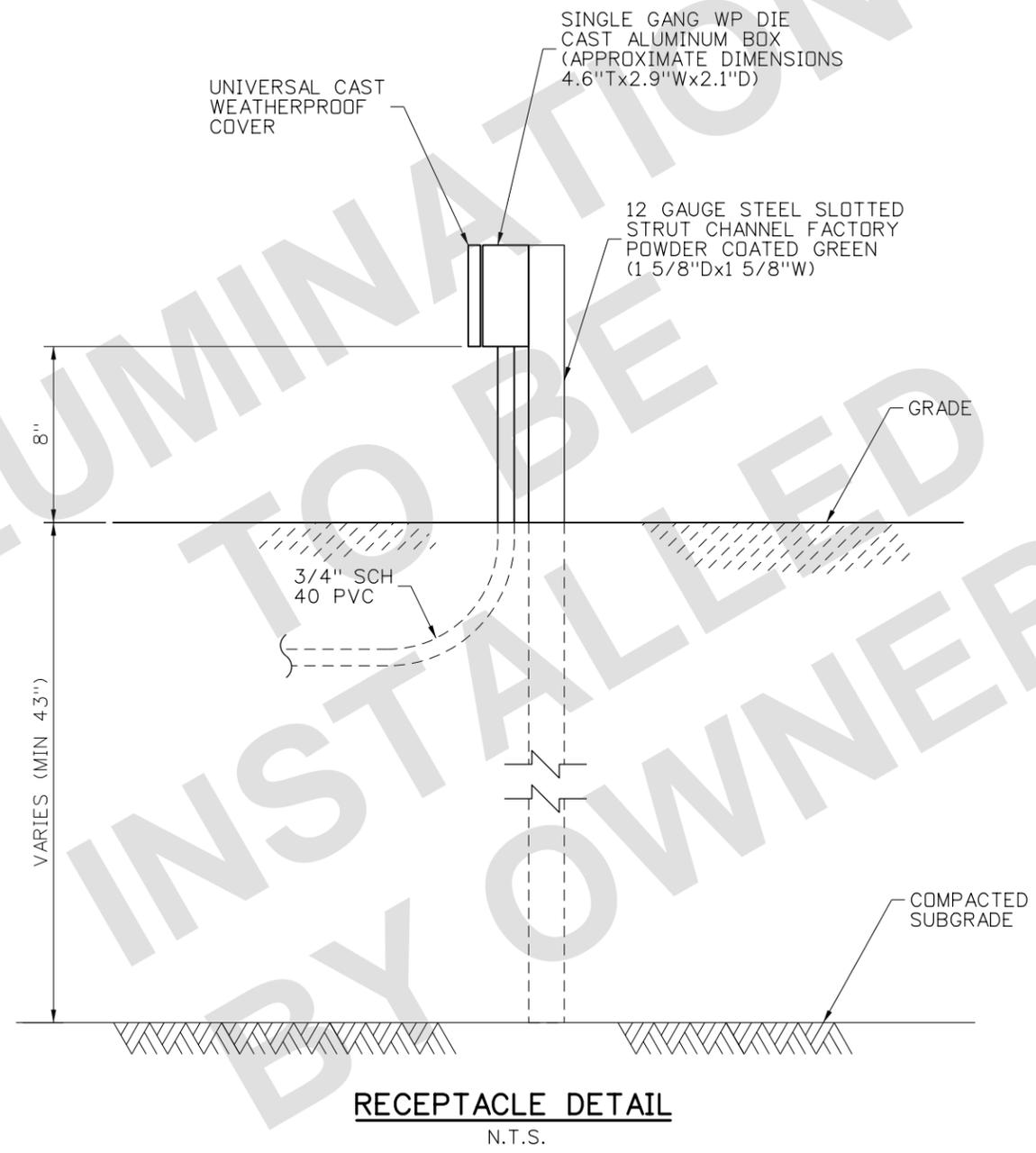
PROJECT NO. A018(807)

ILLUMINATION & ELECTRICAL  
 RIVER ST;  
 WALNUT TO GALENA, HAILEY  
 LIGHT CONTROL DETAIL

**English**  
 COUNTY Blaine  
 KEY NUMBER 18807  
 SHEET 43 OF 56



8/18/2023 p:\7\SCI-PW\INTEG-2.stanleygroup.com\Dataproject-1\Documents\Local\_Highway\_Technical\_Assistance\_Council\28427 - River Street, Walnut to Galena\11-CADD\Plan\_Sheets\30-Illumination\RECEPTACLE\_DETAIL



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	B. Wachtel
DESIGN CHECKED	L. Ingram
DETAILED	M. Paulson
DRAWING CHECKED	J. Hillegonds

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY  
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**IDAHO TRANSPORTATION DEPARTMENT**

Stanley Consultants INC.



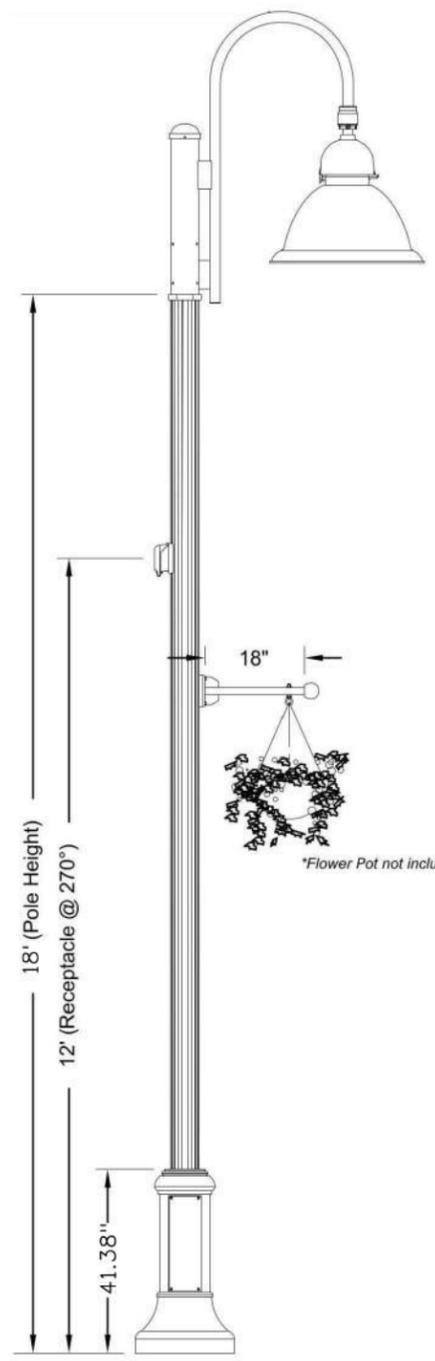

PROJECT NO.  
 A018(807)

ILLUMINATION & ELECTRICAL  
 RIVER STREET;  
 ELECTRICAL DETAILS

**English**  
 COUNTY Blaine  
 KEY NUMBER 18807  
 SHEET 44 OF 56

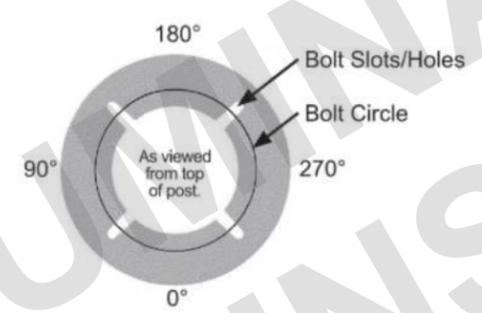
8/18/2023 8:18/2023 p:\7\SCI-PW\INTEG-2\stanleygroup.com\Datatoc\source-1\Documents\Local\_Highway\_Technical\_Assistance\Council\28427 - River Street, Walnut to Galena\11-CADD\Plan\_Sheets\30-Illumination\DETAIL

Valmont Park Street Pole  
 Aluminum, Straight Shaft  
 (1) GFI Receptacle with Small, In-Use Weatherproof Cover  
 (1) Set 3/4" x 17" with 3.00" Hook Anchor Bolts  
 Valmont 72nd Avenue Series Arm  
 with Single Arm  
 Bern GlasWerks LED  
 650mA Drive Current, 2700 Series CCT  
 AutoSensing Voltage (120-277)  
 Black Finish  
 Type 3 Symmetric Full Cutoff LED Distribution



**LOADING DATA**  
 WIND LOADING:  
 90MPH  
 1.14 GUST  
 AASHTO 2013

**Anchorage Detail**



**CUSTOMER NOTES:**  
 1. CUSTOMER SHALL VERIFY RECEPTACLE LOCATION ON POLE AND PROVIDE PRIOR TO PRODUCTION.  
 2. **ANCHORAGE DETAIL PROVIDED FOR VISUAL ONLY - DO NOT USE TO SET ANCHOR BOLTS.**  
 3. SIGNED APPROVAL TO ACCOMPANY PO.

**Catalog #'s:**  
 Pole: 5A01AS-E-180060606UPS-PD-DBL  
 Receptacle: InternalFestoon box installed at 12 ft for single gang external outdoor rated receptacle with outdoor cover provided and wired by contractor.  
 Planter Arm: Single fixed coupling Plant hanger 18" length. Contractor to coordinate with Valmont for accessory details.  
 Roadway Arm: PTA-AV721ST-D2-DBL  
 Fixture: GBLF3P427KMVOLTSMNPTBKA0

Pole assembly shown is a graphical representation only.  
 Contractor shall submit shop drawings for approval.

**\* PROVIDED MATERIALS MUST MEET CONTRACT BUY AMERICA REQUIREMENTS. THIS REQUIREMENT MUST BE INDICATED TO THE SUPPLIER AT THE TIME OF ORDERING.**

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	H. Newhard
DESIGN CHECKED	N. Carrick
DETAILED	S. Hassinger
DRAWING CHECKED	N. Carrick

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY  
 CADD FILE NAME 18807 illum\_007  
 DRAWING DATE: 8/18/2023

**IDAHO TRANSPORTATION DEPARTMENT**

Stanley Consultants INC.

PROJECT NO.  
 A018(807)

ILLUMINATION & ELECTRICAL  
 RIVER ST;  
 WALNUT TO GALENA, HAILEY  
 STREET LIGHT DETAIL

**English**  
 COUNTY Blaine  
 KEY NUMBER 18807  
 SHEET 45 OF 56

8/17/2023 p:\7\SCI-PW\TEG-2.stanleygroup.com\Datapoint\11-CADD\Plan\_Sheets\32-Signing-Marking\18807\_sign\_000.DGN

SIGN OR SIGN SET NO.	STATION LT. OR RT.	OFFSET (FT)	FOUNDATION SIZE (IN.)	POST TYPE	NO. OF POSTS	POST SPACING	APPROX. LENGTH OF 1ST POST	APPROX. LENGTH OF 2ND POST	E	NO. SIGNS REMOVED AND REINSTALLED	SIGN TYPE	MUTCD SIGN DETAIL NUMBER	SIGN SIZE W" X H"	APPROX. SQ FT OF SIGN	SIGN BACKGROUND COLOR	SIGN BRACKETS & BRACE ANGLES WEIGHT (LBS)	BRACKET NO.	REMARKS
1	116+24.50 RT	52.5	8X8X36	E-1	1	-	14'	-	7'-0"		B-1	R1-1	30X30	6.25	RED	-	-	REFER TO STND DWG 616-7. PAID FOR UNDER 616-010A AND 616-050A.
											B-1	D3-1	30X10	2.08	GREEN	-	-	PAID FOR UNDER 616-010A. INSTALL ABOVE STOP SIGN. MOUNTING BRACKETS ARE INCIDENTAL.
											B-1	D3-1	24X10	1.67	GREEN	-	-	PAID FOR UNDER 616-010A. INSTALL ABOVE STOP SIGN. MOUNTING BRACKETS ARE INCIDENTAL.
2	119+39.00 RT	24.0	8X8X36	E-1	1	-	14'	-	7'-0"		B-1	R1-1	30X30	6.25	RED	-	-	REFER TO STND DWG 616-7. PAID FOR UNDER 616-010A AND 616-050A.
											B-1	D3-1	24X10	1.67	GREEN	-	-	PAID FOR UNDER 616-010A. INSTALL ABOVE STOP SIGN. MOUNTING BRACKETS ARE INCIDENTAL.
											B-1	D3-1	24X10	1.67	GREEN	-	-	PAID FOR UNDER 616-010A. INSTALL ABOVE STOP SIGN. MOUNTING BRACKETS ARE INCIDENTAL.
3	119+70.00 LT	53.0	8X8X36	E-1	1	-	14'	-	7'-0"		B-1	R1-1	30X30	6.25	RED	-	-	REFER TO STND DWG 616-7. PAID FOR UNDER 616-010A AND 616-050A.
											B-1	D3-1	24X10	1.67	GREEN	-	-	PAID FOR UNDER 616-010A. INSTALL ABOVE STOP SIGN. MOUNTING BRACKETS ARE INCIDENTAL.
											B-1	D3-1	24X10	1.67	GREEN	-	-	PAID FOR UNDER 616-010A. INSTALL ABOVE STOP SIGN. MOUNTING BRACKETS ARE INCIDENTAL.
4	120+16.00 RT	52.0	8X8X36	E-1	1	-	14'	-	7'-0"		B-1	R1-1	30X30	6.25	RED	-	-	REFER TO STND DWG 616-7. PAID FOR UNDER 616-010A AND 616-050A.
											B-1	D3-1	24X10	1.67	GREEN	-	-	PAID FOR UNDER 616-010A. INSTALL ABOVE STOP SIGN. MOUNTING BRACKETS ARE INCIDENTAL.
											B-1	D3-1	24X10	1.67	GREEN	-	-	PAID FOR UNDER 616-010A. INSTALL ABOVE STOP SIGN. MOUNTING BRACKETS ARE INCIDENTAL.
5	120+49.00 LT	24.0	8X8X36	E-1	1	-	14'	-	7'-0"		B-1	R1-1	30X30	6.25	RED	-	-	REFER TO STND DWG 616-7. PAID FOR UNDER 616-010A AND 616-050A.
											B-1	D3-1	24X10	1.67	GREEN	-	-	PAID FOR UNDER 616-010A. INSTALL ABOVE STOP SIGN. MOUNTING BRACKETS ARE INCIDENTAL.
											B-1	D3-1	24X10	1.67	GREEN	-	-	PAID FOR UNDER 616-010A. INSTALL ABOVE STOP SIGN. MOUNTING BRACKETS ARE INCIDENTAL.
6	123+80.00 RT	59.0	8X8X36	E-1	1	-	14'	-	7'-0"	1	B-1	-	-	-	-	-	-	REFER TO STND DWG 616-7. PAID FOR UNDER 616-080A AND 616-050A.
7	123+74.00 LT	53.0	8X8X36	E-1	1	-	14'	-	7'-0"		B-1	R1-1	30X30	6.25	RED	-	-	REFER TO STND DWG 616-7. PAID FOR UNDER 616-010A AND 616-050A.
											B-1	D3-1	24X10	1.67	GREEN	-	-	PAID FOR UNDER 616-010A. INSTALL ABOVE STOP SIGN. MOUNTING BRACKETS ARE INCIDENTAL.
											B-1	D3-1	24X10	1.67	GREEN	-	-	PAID FOR UNDER 616-010A. INSTALL ABOVE STOP SIGN. MOUNTING BRACKETS ARE INCIDENTAL.
8	124+19.00 RT	42.0	8X8X36	E-1	1	-	14'	-	7'-0"	1	B-1	-	-	-	-	-	-	REFER TO STND DWG 616-7. PAID FOR UNDER 616-080A AND 616-050A.
TOTALS:							271 LB			2 EA			58 SQ FT					PER STND DWG 616-7, TYPE E-1 POSTS WEIGH 2.42 LB/FT.

CONSTRUCT SIGNS IN ACCORDANCE TO THE LATEST FHWA PUBLICATION OF STANDARD HIGHWAY SIGNS (SHS) AND SUPPLEMENT, THE IDAHO SUPPLEMENT TO THE SHS OR AS SPECIFIED.

COLUMN E: THE HEIGHT ABOVE THE EDGE OF FINISHED SHOULDER/GRADE TO THE BOTTOM OF LOWEST SIGN.

POST LENGTHS SHOWN ARE APPROXIMATE. DETERMINE FINAL VALUES IN THE FIELD PRIOR TO FABRICATION.

REVISIONS			
NO.	DATE	BY	DESCRIPTION
			DESIGNED G.Shuger
			DESIGN CHECKED J. Hillegonds
			DETAILED B.Heuvelhorst
			DRAWING CHECKED J.Hillegonds

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY  
 CADD FILE NAME 18807\_sign\_000  
 DRAWING DATE: 8/17/2023

**IDAHO TRANSPORTATION DEPARTMENT**

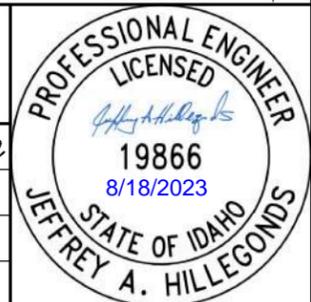


Stanley Consultants INC. 

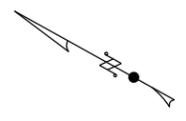
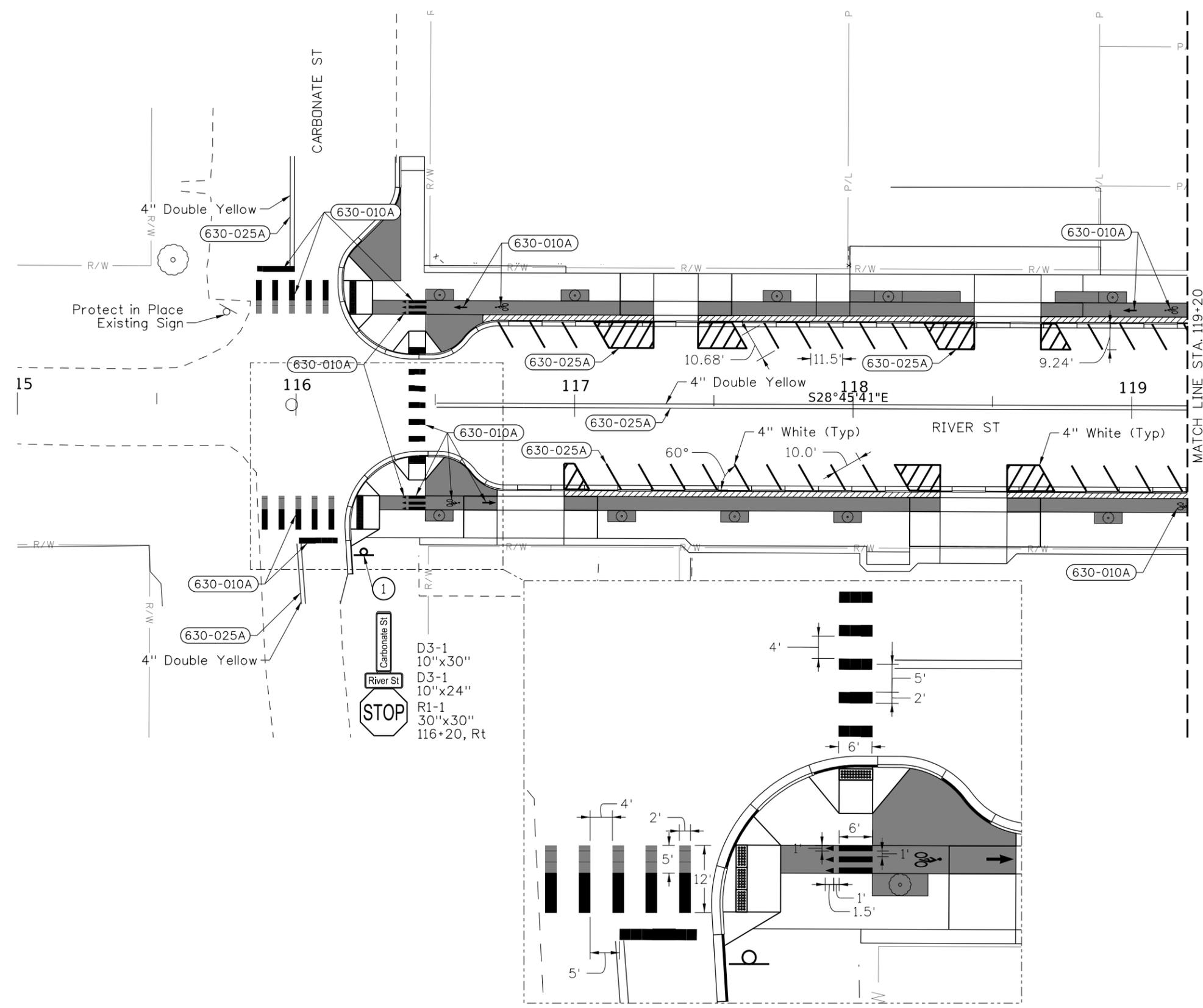
PROJECT NO.  
A018(807)

PERMANENT SIGN SUMMARY  
 RIVER ST;  
 WALNUT TO GALENA, HAILEY

**English**  
 COUNTY Blaine  
 KEY NUMBER 18807  
 SHEET 46 OF 56



8/17/2023 p:\7\SCI-PW\INTEG-2.stanleygroup.com\Dataplan\11-CADD\Plan Sheets\32-Signing-Marking\18807\_sign\_001



**630-010A** Pavement Marking  
-Preformed Thermoplastic

Helmeted Bicyclist Symbol  
6.5 S.F., Sta 116+72, 35' Lt  
6.5 S.F., Sta 116+59, 35' Rt  
6.5 S.F., Sta 119+12, 35' Lt  
6.5 S.F., Sta 119+17, 35' Rt

Straight Arrow  
5 S.F., Sta 116+56, 35' Lt  
5 S.F., Sta 116+67, 35' Rt  
5 S.F., Sta 118+98, 35' Lt

Sawtooth Markings  
2.3 S.F., Sta 116+39, 35' Rt  
2.3 S.F., Sta 116+39, 35' Lt

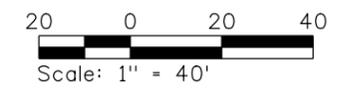
24" White Crosswalk Line  
70 S.F., Sta 115+98, 39' Lt  
70 S.F., Sta 116+01, 39' Rt  
60 S.F., Sta 116+43, 0' Lt

24" Green Crosswalk Line  
50 S.F., Sta 115+98, 39' Lt  
50 S.F., Sta 116+01, 39' Rt

12" Crosswalk Line  
18 S.F., Sta 116+43, 35' Lt  
18 S.F., Sta 116+44, 35' Rt

24" White Stop Line  
27 S.F., Sta 115+93, 49' Lt  
28 S.F., Sta 116+08, 49' Rt

**630-025A** Longitudinal Pav Mkg  
- Waterborne  
964 ft., White (Parking Stalls)  
670 ft., Yellow (Centerline Roadway)



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	G.Shuger
DESIGN CHECKED	J. Hillegonds
DETAILED	B.Heuvelhorst
DRAWING CHECKED	J.Hillegonds

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY

CADD FILE NAME  
18807\_sign\_001

DRAWING DATE:  
8/17/2023

**IDAHO TRANSPORTATION DEPARTMENT**

Stanley Consultants INC.




PROJECT NO.  
**A018(807)**

SIGN & PAVEMENT MARKINGS 1

**RIVER ST;  
WALNUT TO GALENA, HAILEY  
STA 115+00 - STA 119+20**

**English**

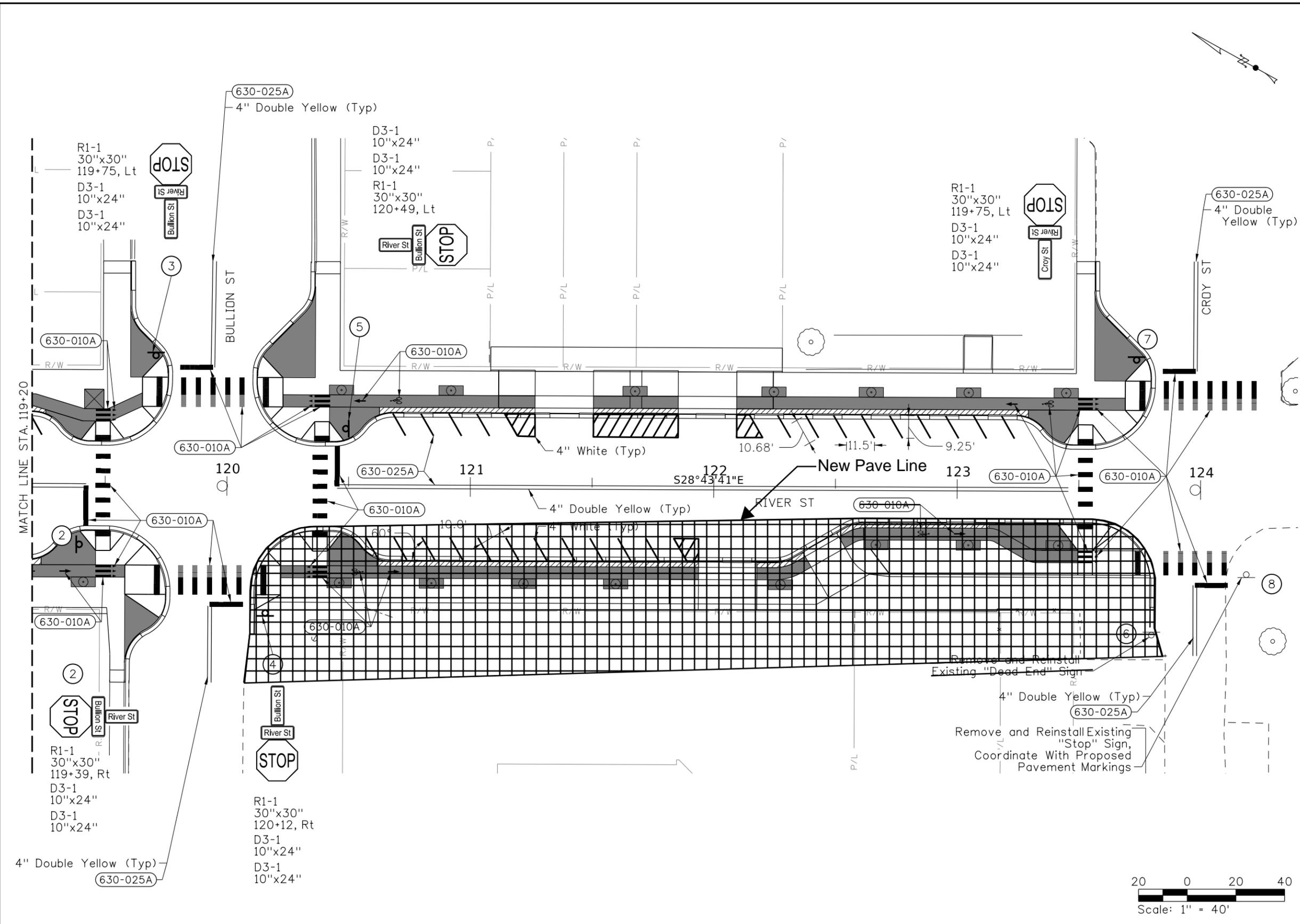
COUNTY  
Blaine

KEY NUMBER  
18807

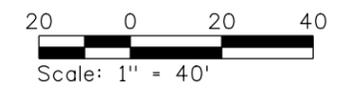
SHEET 47 OF 56



8/17/2023 p:\7\SCI-PW\INTEG-2.stanleygroup.com\Datapoint\1\Documents\Local\_Highway\_Technical\_Assistance\_Council\28427 - River Street, Walnut to Galena\11-CADD\Plan Sheets\32-Signing-Marking\18807\_sign\_002



- 630-010A** Pavement Marking  
-Preformed Thermoplastic
- Helmeted Bicyclist Symbol  
 6.5 S.F., Sta 120+67, 35' Lt  
~~6.5 S.F., Sta 120+56, 35' Rt~~  
~~6.5 S.F., Sta 122+86, 18' Rt~~  
 6.5 S.F., Sta 123+35, 35' Lt
- Straight Arrow  
 5 S.F., Sta 119+36, 35' Rt  
 5 S.F., Sta 120+52, 35' Lt  
~~5 S.F., Sta 120+71, 35' Rt~~  
~~5 S.F., Sta 123+01, 18' Rt~~  
 5 S.F., Sta 123+20, 35' Lt
- Sawtooth Markings  
 2.3 S.F., Sta 119+53, 29' Lt  
 2.3 S.F., Sta 119+53, 35' Rt  
 2.3 S.F., Sta 120+35, 35' Lt  
~~2.3 S.F., Sta 120+35, 35' Rt~~  
 2.3 S.F., Sta 123+56, 35' Lt  
~~2.3 S.F., Sta 123+56, 27' Rt~~
- 24" White Crosswalk Line  
 60 S.F., Sta 119+49, 0' Lt  
 70 S.F., Sta 119+95, 39' Lt  
 70 S.F., Sta 119+95, 39' Rt  
 60 S.F., Sta 120+38, 0' Lt  
 48 S.F., Sta 123+53, 0' Lt  
 98 S.F., Sta 124+03, 39' Lt  
 50 S.F., Sta 123+97, 30' Rt
- 24" Green Crosswalk Line  
 50 S.F., Sta 119+95, 39' Lt  
 50 S.F., Sta 119+95, 39' Rt  
 70 S.F., Sta 124+03, 39' Lt  
 50 S.F., Sta 123+97, 30' Rt
- 12" Crosswalk Line  
 18 S.F., Sta 119+49, 29' Lt  
 18 S.F., Sta 119+49, 35' Rt  
 18 S.F., Sta 120+39, 35' Lt  
~~18 S.F., Sta 120+38, 35' Rt~~  
~~18 S.F., Sta 123+53, 27' Rt~~  
 18 S.F., Sta 123+53, 35' Lt
- 24" Stop Line  
 33 S.F., Sta 119+42, 8' Rt  
 27 S.F., Sta 119+87, 49' Lt  
 27 S.F., Sta 120+00, 49' Rt  
 33 S.F., Sta 120+45, 8' Lt  
 27 S.F., Sta 123+91, 49' Lt  
 33 S.F., Sta 124+05, 39' Rt
- 630-025A** Longitudinal Pav Mkg  
 - Waterborne  
 471 ft., White (Parking Stalls)  
 950 ft., Yellow (Centerline Roadway)
- Removed from bid



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	G.Shuger
DESIGN CHECKED	J. Hillegonds
DETAILED	B.Heuvelhorst
DRAWING CHECKED	J.Hillegonds

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME: 18807_sign_002
DRAWING DATE: 8/17/2023

**IDAHO TRANSPORTATION DEPARTMENT**

Stanley Consultants INC.

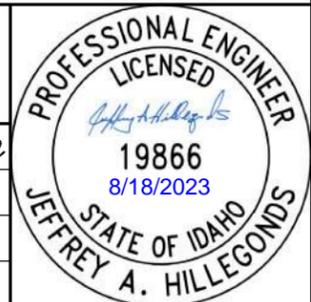
PROJECT NO.	A018(807)	SIGN & PAVEMENT MARKINGS 2
		RIVER ST; WALNUT TO GALENA, HAILEY STA 119+20 - STA 124+00

**English**

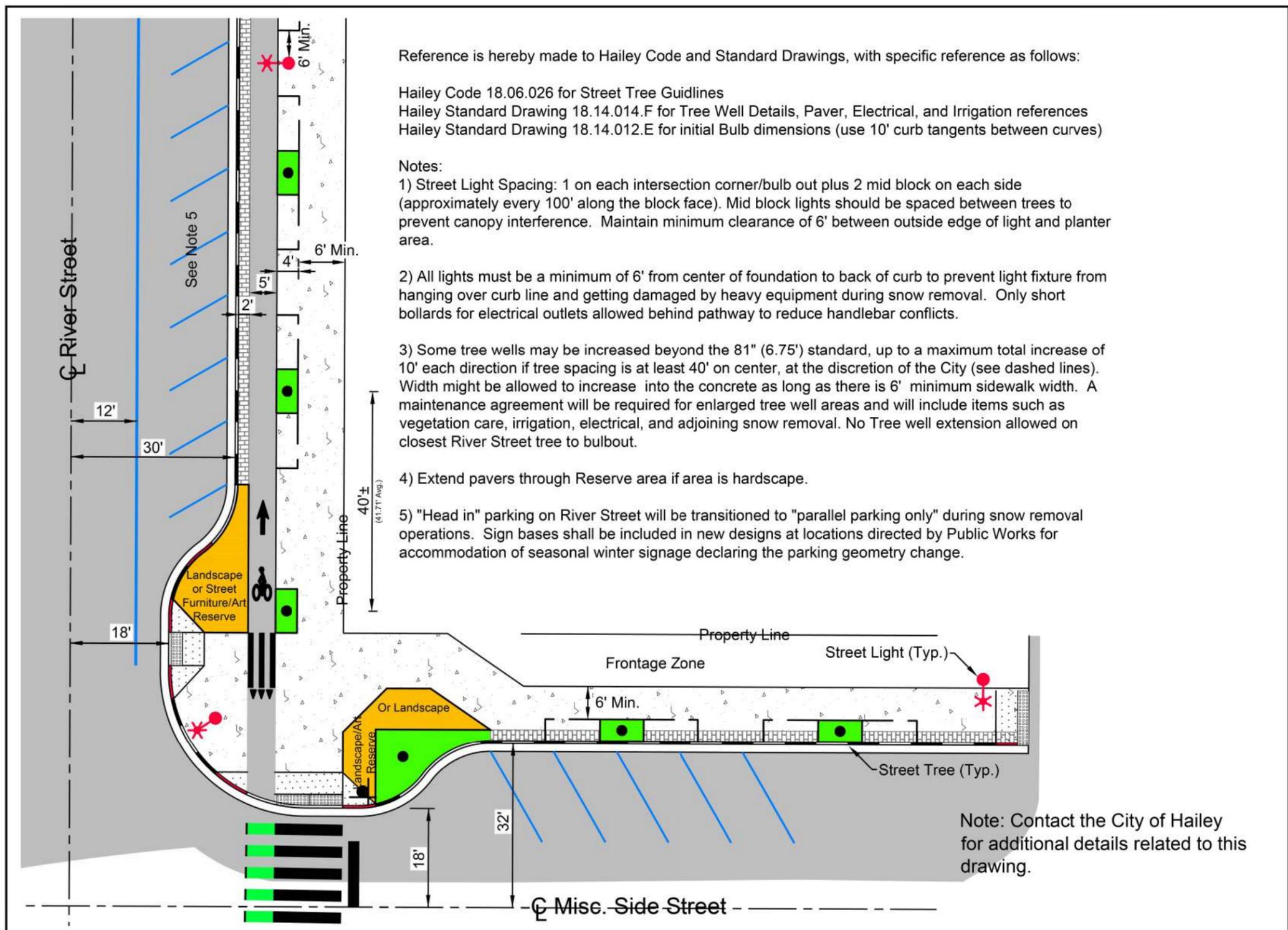
COUNTY: Blaine

KEY NUMBER: 18807

SHEET 48 OF 56



8/17/2023 p:\7\SCI-PW\TEG-2.stanleygroup.com\Dat\source-1\Documents\Loco\_Highway\_Technical\_Assistance\_Council\28427 - River Street, Walnut to Galena\11-CADD\Plan Sheets\32-Signing-Marking\18807\_sign\_003.DGN



Reference is hereby made to Hailey Code and Standard Drawings, with specific reference as follows:  
 Hailey Code 18.06.026 for Street Tree Guidelines  
 Hailey Standard Drawing 18.14.014.F for Tree Well Details, Paver, Electrical, and Irrigation references  
 Hailey Standard Drawing 18.14.012.E for initial Bulb dimensions (use 10' curb tangents between curves)

- Notes:
- 1) Street Light Spacing: 1 on each intersection corner/bulb out plus 2 mid block on each side (approximately every 100' along the block face). Mid block lights should be spaced between trees to prevent canopy interference. Maintain minimum clearance of 6' between outside edge of light and planter area.
  - 2) All lights must be a minimum of 6' from center of foundation to back of curb to prevent light fixture from hanging over curb line and getting damaged by heavy equipment during snow removal. Only short bollards for electrical outlets allowed behind pathway to reduce handlebar conflicts.
  - 3) Some tree wells may be increased beyond the 81" (6.75') standard, up to a maximum total increase of 10' each direction if tree spacing is at least 40' on center, at the discretion of the City (see dashed lines). Width might be allowed to increase into the concrete as long as there is 6' minimum sidewalk width. A maintenance agreement will be required for enlarged tree well areas and will include items such as vegetation care, irrigation, electrical, and adjoining snow removal. No Tree well extension allowed on closest River Street tree to bulbout.
  - 4) Extend pavers through Reserve area if area is hardscape.
  - 5) "Head in" parking on River Street will be transitioned to "parallel parking only" during snow removal operations. Sign bases shall be included in new designs at locations directed by Public Works for accommodation of seasonal winter signage declaring the parking geometry change.

REVISIONS	2022 CITY OF HAILEY STANDARD DRAWINGS	RIVER STREET TYPICAL SECTION	18.14.012.F.3
			DRAWING NO.

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED G.Shuger  
 DESIGN CHECKED J. Hillegonds  
 DETAILED B.Heuvelhorst  
 DRAWING CHECKED J.Hillegonds

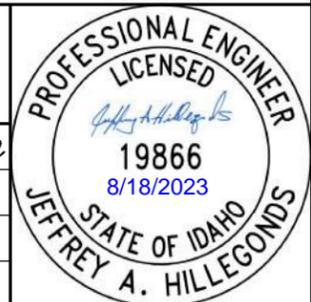
SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY  
 CADD FILE NAME 18807\_sign\_003  
 DRAWING DATE: 8/17/2023



PROJECT NO. A018(807)

PAVEMENT MARKING DETAILS  
 RIVER ST;  
 WALNUT TO GALENA, HAILEY

**English**  
 COUNTY Blaine  
 KEY NUMBER 18807  
 SHEET 49 OF 56



8/17/2023 p:\7\SCI-PW\TEG-2.stanleygroup.com\Dataproject\1\Documents\Local\_Highway\_Technical\_Assistance\_Council\28427 - River Street, Walnut to Galena\11-CADD\Plan\_Sheets\33-Traffic-Control\18807\_traf\_000.DGN

TEMPORARY TRAFFIC CONTROL SIGN SUMMARY					
CLASS "B" SIGNING					
TYPE	LEGEND	SIZE INCHES	SQ. FT.	QUANT. REQ'D	TOTAL SQ. FT
M4-8A	END DETOUR	24 X 18	3	7	21.0
M4-10L	DETOUR ARROW LEFT	48 X 18	6	2	12.0
M4-10R	DETOUR ARROW RIGHT	48 X 18	6	2	12.0
R1-2	YIELD	36 X 36 X 36	4	4	16.0
R1-2A	TO ONCOMING TRAFFIC (PLAQUE)	24 X 18	3	4	12.0
R3-1	MOVEMENT PROHIBITION RIGHT	24 X 24	4	4	16.0
R3-2	MOVEMENT PROHIBITION LEFT	24 X 24	4	3	12.0
R9-9	SIDEWALK CLOSED	24 X 12	2	10	20.0
R9-11a (Lt)	SIDEWALK CLOSED, CROSS HERE (LEFT)	24 X 12	2	1	2.0
R9-11a (Rt)	SIDEWALK CLOSED, CROSS HERE (RIGHT)	24 X 12	2	1	2.0
R11-4	ROAD CLOSED TO THRU TRAFFIC	60 X 30	12.5	9	112.5
W3-2	YIELD AHEAD	36 X 36	9	4	36.0
W11-2	PEDESTRIAN CROSSING SYMBOL	24 X 24	4	2	8.0
W16-7pL	ARROW LEFT/DOWN (PLAQUE)	24 X 12	2	2	4.0
W20-1	ROAD WORK AHEAD	36 X 36	9	4	36.0
W20-2	DETOUR AHEAD	36 X 36	9	10	90.0
W20-3	ROAD CLOSED AHEAD	36 X 36	9	10	90.0
W20-4	ONE LANE ROAD AHEAD	36 X 36	9	4	36.0
SP-1	BUSINESS ACCESS OPEN	30 X 24	5	9	45.0
SP-2	RIVER ST DETOUR AND ARROW RIGHT	24 X 36	6	11	66.0
SP-3	RIVER ST DETOUR AND ARROW UP	24 X 36	6	9	54.0
SP-4	RIVER ST DETOUR AND ARROW LEFT	24 X 36	6	9	54.0
SP-5	CARBONATE ST DETOUR AND ARROW RIGHT	24 X 36	6	3	18.0
SP-6	CARBONATE ST DETOUR AND ARROW UP	24 X 36	6	2	12.0
SP-7	CARBONATE ST DETOUR AND ARROW LEFT	24 X 36	6	3	18.0
SP-8	CARBONATE ST	24 X 12	2	1	2.0
SUBTOTAL					806.5
10% CONTINGENCY					80.7
<b>TOTAL</b>					<b>887.2</b>

**TEMPORARY TRAFFIC CONTROL NOTES:**

- PAVEMENT MARKINGS THAT NO LONGER APPLY OR CREATE CONFUSION WILL BE REMOVED AND REPLACED WITH APPROPRIATE WATERBOURNE PAVEMENT MARKINGS AS SHOWN ON THE PLANS OR AS DIRECTED. REMOVAL OF PAVEMENT MARKINGS WILL BE USED ON THE EXISTING AND NEW SURFACES. ALL TEMPORARY TRAFFIC CONTROL PAVEMENT MARKINGS WILL BE WATERBOURNE.
- SEE TEMPORARY TRAFFIC CONTROL PLANS FOR ALL SIGNING AND DELINEATION.
- SIGNS NOT IN USE SHALL BE COVERED OR LAID DOWN AT LEAST 15' FROM THE EDGE OF ROADWAY. COVERING WITH PLASTIC TRASH BAGS WILL NOT BE ACCEPTED.
- SIGN POSTS REQUIRED PER STANDARD SPECIFICATION 626.03.C SHALL BE INCIDENTAL TO THE PRICE OF TEMPORARY TRAFFIC CONTROL SIGNS.
- IN ORDER TO ACCOMMODATE EMERGENCY MEDICAL SERVICE (EMS) ROUTES AND CITY BUS ROUTES, CONTRACTOR SHALL CONTACT THE CITY ENGINEER A MINIMUM OF 5 WORKING DAYS PRIOR TO ERECTING TRAFFIC CONTROL MEASURES.

**CONSTRUCTION STAGING**

**STAGE 1**

- CONSTRUCT STAGE 1. STAGE 1 MUST BE COMPLETED BEFORE STAGE 2 CAN BEGIN.
- SEE TEMPORARY TRAFFIC CONTROL PLANS FOR LANE AND SHOULDER CLOSURE DETAILS.

**STAGE 2**

- CONSTRUCT STAGE 2.
- SEE TEMPORARY TRAFFIC CONTROL PLANS FOR LANE AND SHOULDER CLOSURE DETAILS.
- CONSTRUCT THE BULLION STREET INTERSECTION PART WIDTH, KEEPING ONE LANE OF EAST-WEST TRAFFIC ON BULLION STREET OPEN AT ALL TIMES.
- KEEP THE SOUTH HALF OF THE CROY STREET INTERSECTION OPEN ALL TIMES ALLOWING ONE LANE OF EAST-WEST TRAVEL.

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED G.Shuger	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY  CADD FILE NAME 18807_traf_000  DRAWING DATE: 8/17/2023
DESIGN CHECKED J.Hillemonds	
DETAILED B.Heuvelhorst	
DRAWING CHECKED J.Hillemonds	

**IDAHO TRANSPORTATION DEPARTMENT**



Stanley Consultants INC. 

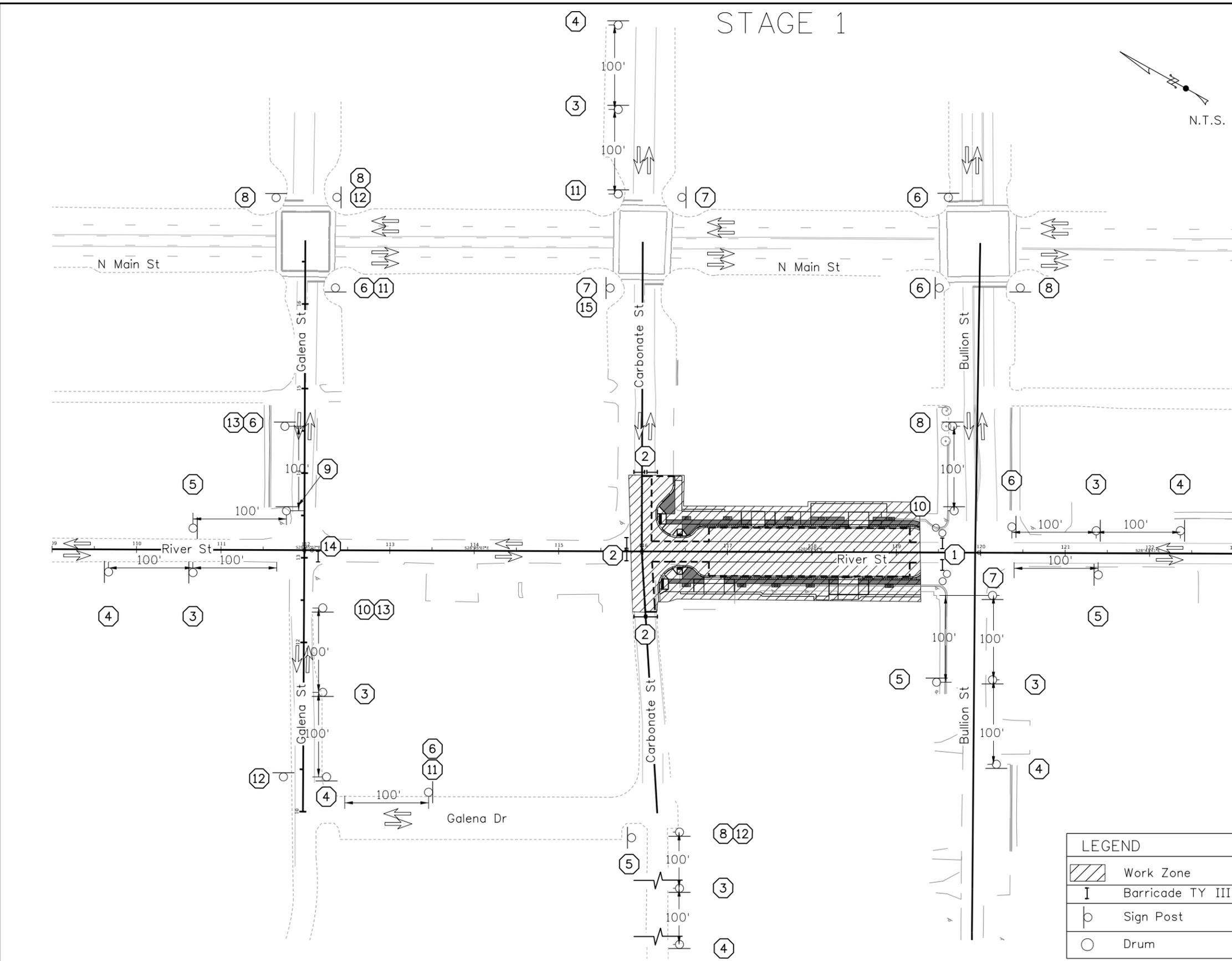
PROJECT NO.	A018(807)
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TEMP TRAFFIC CONTROL SUMMARY	RIVER STREET WALNUT TO GALENA, HAILEY
------------------------------	--

<b>English</b>
COUNTY Blaine
KEY NUMBER 18807
SHEET 50 OF 56



8/17/2023 p:\7\SCI-PW\INTEG-2.stanleygroup.com\Datapoint\1\Documents\Loca\_Highway\_Technical\_Assistance\_Council\28427 - River Street, Walnut to Galena\11-CADD\Plan Sheets\33-Traffic-Control\18807\_traf\_001



LEGEND	
	Work Zone
	Barricade TY III
	Sign Post
	Drum

<p>1 </p> <p>ROAD CLOSED TO THRU TRAFFIC DETOUR</p> <p>BUSINESS ACCESS OPEN</p> <p>Type III Barricade R11-4 60"x30" M4-10R 48"x18"</p>	<p>9 </p> <p>R3-2 24"x24"</p>
<p>2 </p> <p>ROAD CLOSED TO THRU TRAFFIC DETOUR</p> <p>BUSINESS ACCESS OPEN</p> <p>Type III Barricade R11-4 60"x30"</p>	<p>10 </p> <p>R3-1 24"x24"</p>
<p>3 </p> <p>DETOUR AHEAD</p> <p>W20-2 36"x36"</p>	<p>11 </p> <p>Carbonate St DETOUR</p>
<p>4 </p> <p>ROAD CLOSED AHEAD</p> <p>W20-3 36"x36"</p>	<p>12 </p> <p>Carbonate St DETOUR</p>
<p>5 </p> <p>END DETOUR</p> <p>M4-8a 24"x18"</p>	<p>13 </p> <p>Carbonate St DETOUR</p>
<p>6 </p> <p>River St DETOUR</p>	<p>14 </p> <p>BUSINESS ACCESS OPEN</p> <p>ROAD CLOSED TO THRU TRAFFIC DETOUR</p> <p>Type III Barricade R11-4 60"x30" M4-10L 48"x18"</p>
<p>7 </p> <p>River St DETOUR</p>	<p>15 </p> <p>END DETOUR</p> <p>Carbonate St</p> <p>M4-8a 24"x18"</p>
<p>8 </p> <p>River St DETOUR</p>	

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	G.Shuger
DESIGN CHECKED	J.Hillegonds
DETAILED	B.Heuvelhorst
DRAWING CHECKED	J. Hillegonds

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY

CADD FILE NAME: 18807\_traf\_001

DRAWING DATE: 8/17/2023

**IDAHO TRANSPORTATION DEPARTMENT**

Stanley Consultants INC.

PROJECT NO. A018(807)

TEMPORARY TRAFFIC CONTROL 1

**RIVER STREET  
WALNUT TO GALENA, HAILEY**

**English**

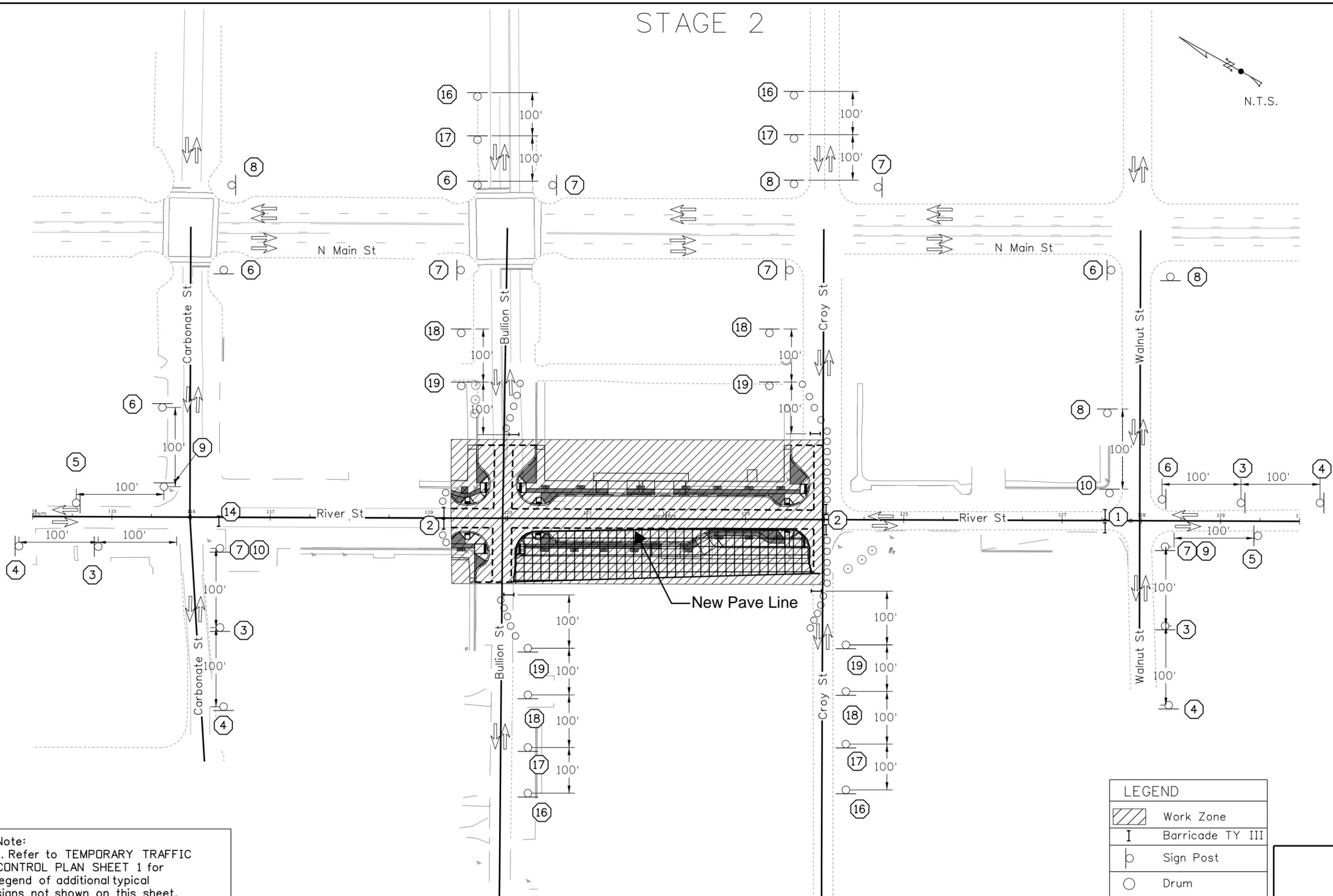
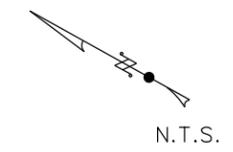
COUNTY: Blaine

KEY NUMBER: 18807

SHEET 51 OF 56

PROFESSIONAL ENGINEER  
LICENSED  
*Jeffrey A. Hillegonds*  
19866  
8/18/2023  
STATE OF IDAHO  
JEFFREY A. HILLEGONDS

# STAGE 2



- 16 ROAD WORK AHEAD  
W20-1 36"x36"
- 17 ONE LANE ROAD AHEAD  
W20-4 36"x36"
- 18   
W3-2 36"x36"
- 19 YIELD  
R1-2 36"x36"x36"
- TO ONCOMING TRAFFIC  
R1-2a 24"x18"

LEGEND	
	Work Zone
	Barricade TY III
	Sign Post
	Drum

Removed from bid

**Note:**  
1. Refer to TEMPORARY TRAFFIC CONTROL PLAN SHEET 1 for legend of additional typical signs not shown on this sheet.

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	G.Shuger
DESIGN CHECKED	J.Hillegonds
DETAILED	B.Heuvelhorst
DRAWING CHECKED	J.Hillegonds

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME 18807 traf 002
DRAWING DATE: 8/17/2023

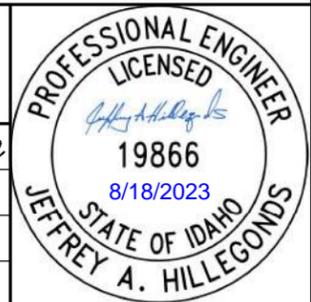
**IDAHO TRANSPORTATION DEPARTMENT**

Stanley Consultants INC.

PROJECT NO.  
**A018(807)**

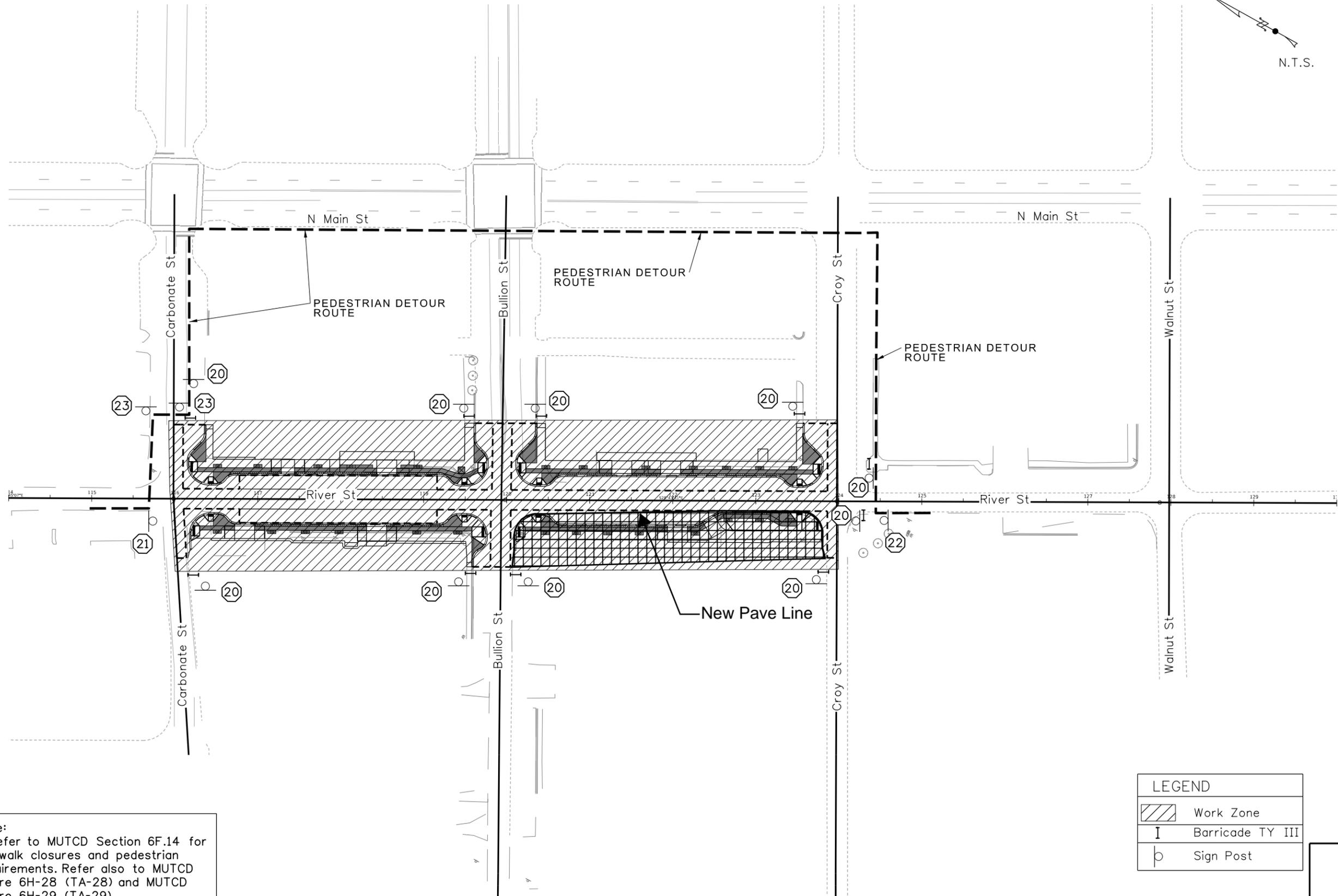
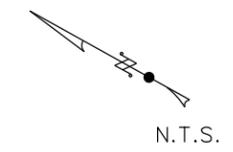
TEMPORARY TRAFFIC CONTROL 2  
**RIVER ST WALNUT TO GALENA, HAILEY**

**English**  
COUNTY Blaine  
KEY NUMBER 18807  
SHEET 52 OF 56



8/17/2023 p:\7\SCI-PW\INTEG-2.stanleygroup.com\Datapoint\1\Documents\Local\_Highway\_Technical\_Assistance\_Council\28427 - River Street, Walnut to Galena\11-CADD\Plan Sheets\33-Traffic-Control\18807\_traf\_002.DGN

# PEDESTRIAN DETOUR, STAGES 1 & 2



- 20 **SIDEWALK CLOSED**  
R9-9 24"x12"
- 21 **SIDEWALK CLOSED**  
CROSS HERE  
R9-11a (Left) 24"x12"
- 22 **SIDEWALK CLOSED**  
CROSS HERE  
R9-11a (Right) 24"x12"
- 23   
W11-2 24"x24"
- W16-7pL 24"x12"

LEGEND	
	Work Zone
	Barricade TY III
	Sign Post

Removed from bid

**Note:**  
1. Refer to MUTCD Section 6F.14 for sidewalk closures and pedestrian requirements. Refer also to MUTCD Figure 6H-28 (TA-28) and MUTCD Figure 6H-29 (TA-29).

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	G.Shuger
DESIGN CHECKED	J.Hillemonds
DETAILED	B.Heuvelhorst
DRAWING CHECKED	J.Hillemonds

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME: 18807_traf_003
DRAWING DATE: 8/17/2023

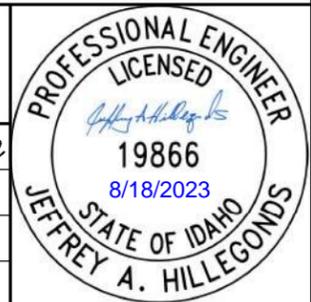
**IDAHO TRANSPORTATION DEPARTMENT**

Stanley Consultants INC.

PROJECT NO.	PEDESTRIAN DETOUR ROUTE
A018(807)	RIVER ST WALNUT TO GALENA, HAILEY

**English**

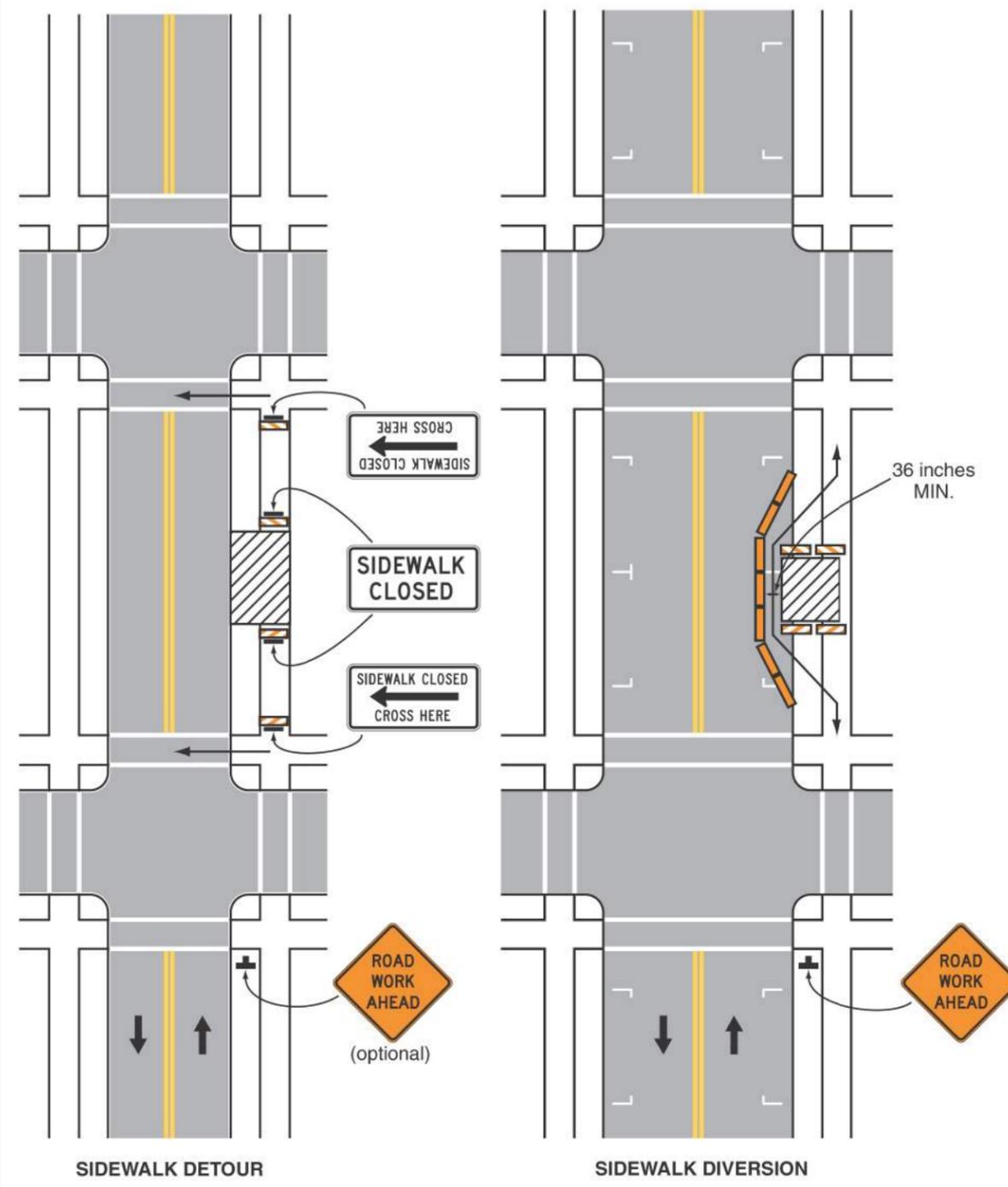
COUNTY	Blaine
KEY NUMBER	18807
SHEET	53 OF 56



8/17/2023 p:\7\SCI-PW\TEG-2.stanleygroup.com\Datapoint\1\Documents\Local\_Highway\_Technical\_Assistance\_Council\28427 - River Street, Walnut to Galena\11-CADD\Plan Sheets\33-Traffic-Control\18807\_traf\_003.DGN

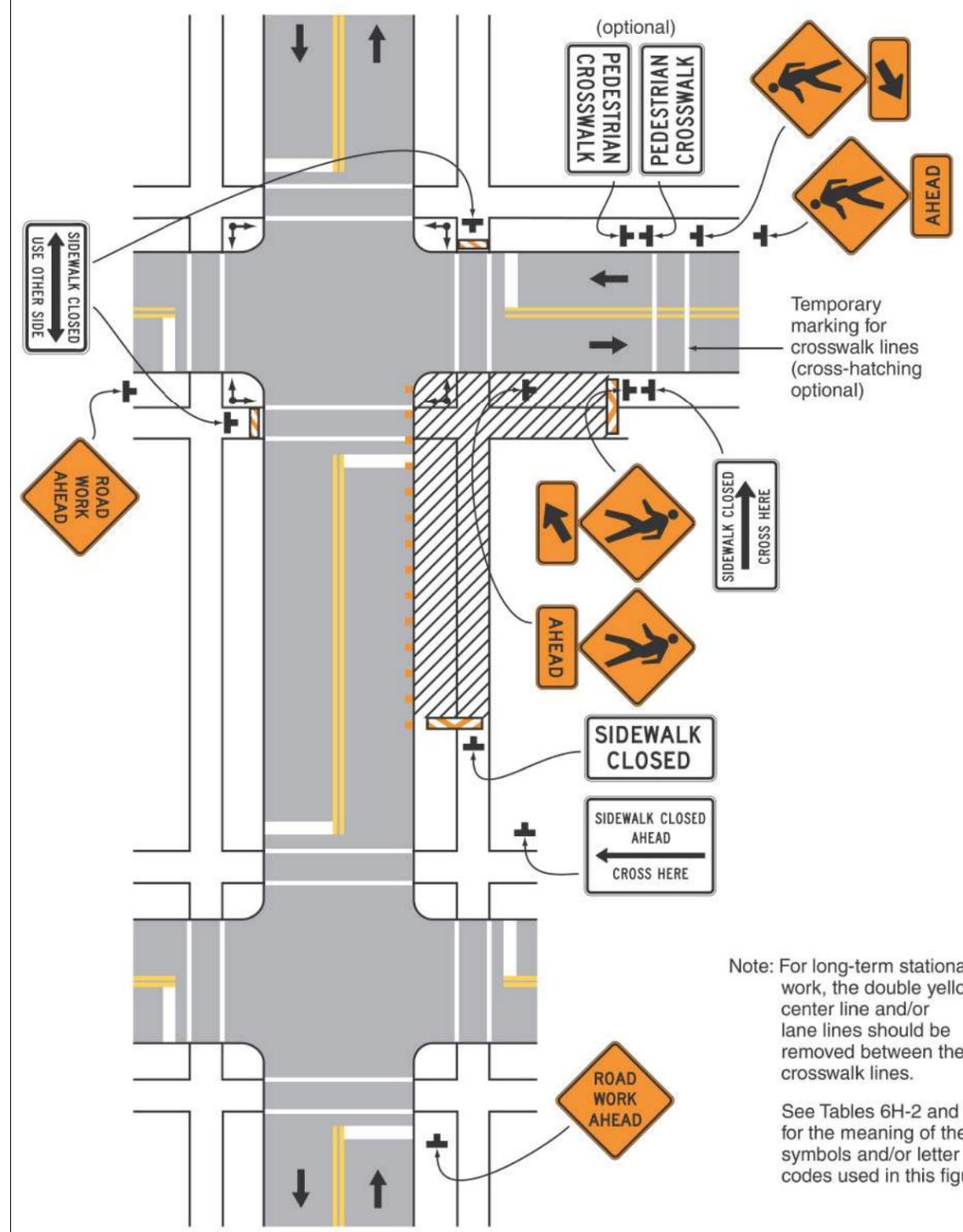
8/17/2023 p:\7\SCI-PW\TEG-2.stanleygroup.com\Datapoint\1\Documents\Loco\_Highway\_Technical\_Assistance\_Council\28427 - River Street, Walnut to Galena\11-CADD\Plan\_Sheets\33-Traffic-Control\18807\_traf\_004.DGN

Figure 6H-28. Sidewalk Detour or Diversion (TA-28)



Typical Application 28

Figure 6H-29. Crosswalk Closures and Pedestrian Detours (TA-29)



Typical Application 29

Note: For long-term stationary work, the double yellow center line and/or lane lines should be removed between the crosswalk lines.

See Tables 6H-2 and 6H-3 for the meaning of the symbols and/or letter codes used in this figure.

REFER TO MUTCD FOR FURTHER INFORMATION.

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	G.Shuger	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
DESIGN CHECKED	J.Hillemonds	
DETAILED	B.Heuvelhorst	CADD FILE NAME 18807_traf_004
DRAWING CHECKED	J.Hillemonds	DRAWING DATE: 8/17/2023

**IDAHO TRANSPORTATION DEPARTMENT**

Stanley Consultants INC.

PROJECT NO.	A018(807)
PEDESTRIAN DETOUR DETAILS	RIVER STREET WALNUT TO GALENA, HAILEY

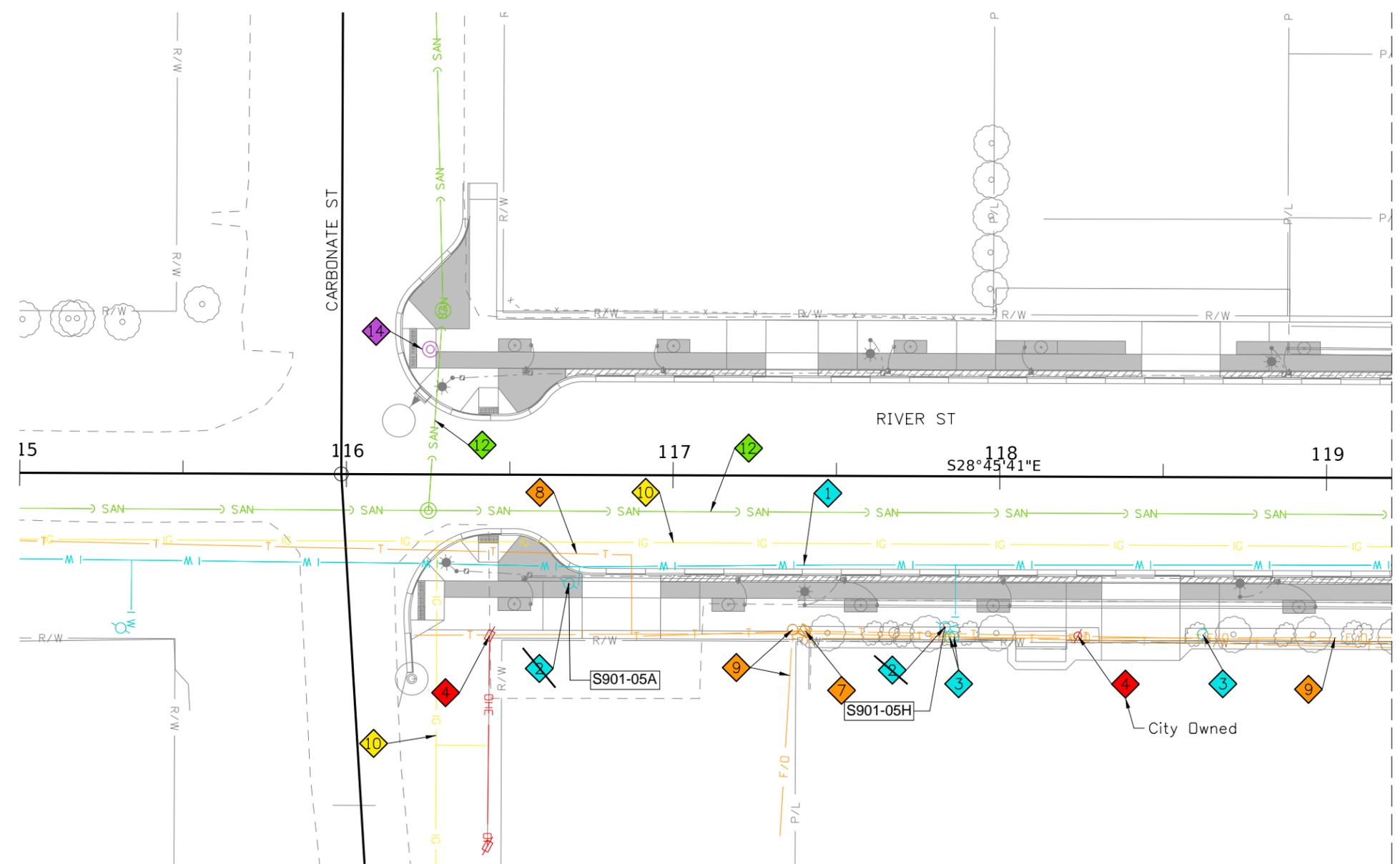
**English**

COUNTY Blaine

KEY NUMBER 18807

SHEET 54 OF 56

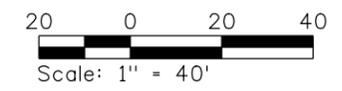
8/17/2023 p:\7\SCI-PW\ITEG-2.stanleygroup.com\Datapoint\Documents\Local\_Highway\_Technical\_Assistance\_Council\28427 - River Street, Walnut to Galena\11-CADD\Plan Sheets\34-Utility-Plans\18807\_util\_001



- 1 Retain/Protect Water Line/ Water Valve/Meter/Hydrant
- 2 ~~Adjust/Relocate Water Valve/Meter/Hydrant at Company's expense~~
- 3 Adjust/Relocate Irrigation Line and Equipment at Company's expense
- 4 Remove/Dispose Light Pole at Company's expense
- 5 Adjust/Relocate Power Pole & Line at Company's Expense
- 6 Retain Power Pole/Power Line/ Power Equipment/Light Pole
- 7 Adjust/Relocate Junction Box/ Manhole at Company's expense
- 8 Retain/Protect Underground Telephone Line/Junction Box
- 9 Retain/Protect Underground Fiber Optic Line
- 10 Retain/Protect Gas Line/ Valve/Marker
- 11 Adjust/Relocate Gas Valve at Company's expense
- 12 Retain/Protect Sanitary Sewer
- 13 Retain/Protect Storm Sewer
- 14 Remove Storm Sewer at Company's expense

**LEGEND**

- W — Water Utility Line
- OHE — Overhead Electric Line
- T — Underground Telephone Line
- IG — Gas Line
- SAN — Sanitary Sewer Line
- SS — Storm Sewer Line



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	G.Shuger
DESIGN CHECKED	J.Hillemonds
DETAILED	B.Heuvelhorst
DRAWING CHECKED	J. Hillemonds

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY

CADD FILE NAME: 18807\_util\_001

DRAWING DATE: 8/17/2023

**IDAHO TRANSPORTATION DEPARTMENT**

Stanley Consultants INC.

PROJECT NO. A018(807)

UTILITY SHEET 1

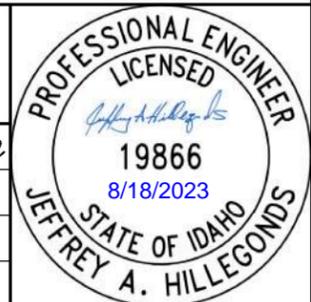
**RIVER STREET;  
WALNUT TO GALENA, HAILEY  
STA 115+00 - STA 119+20**

**English**

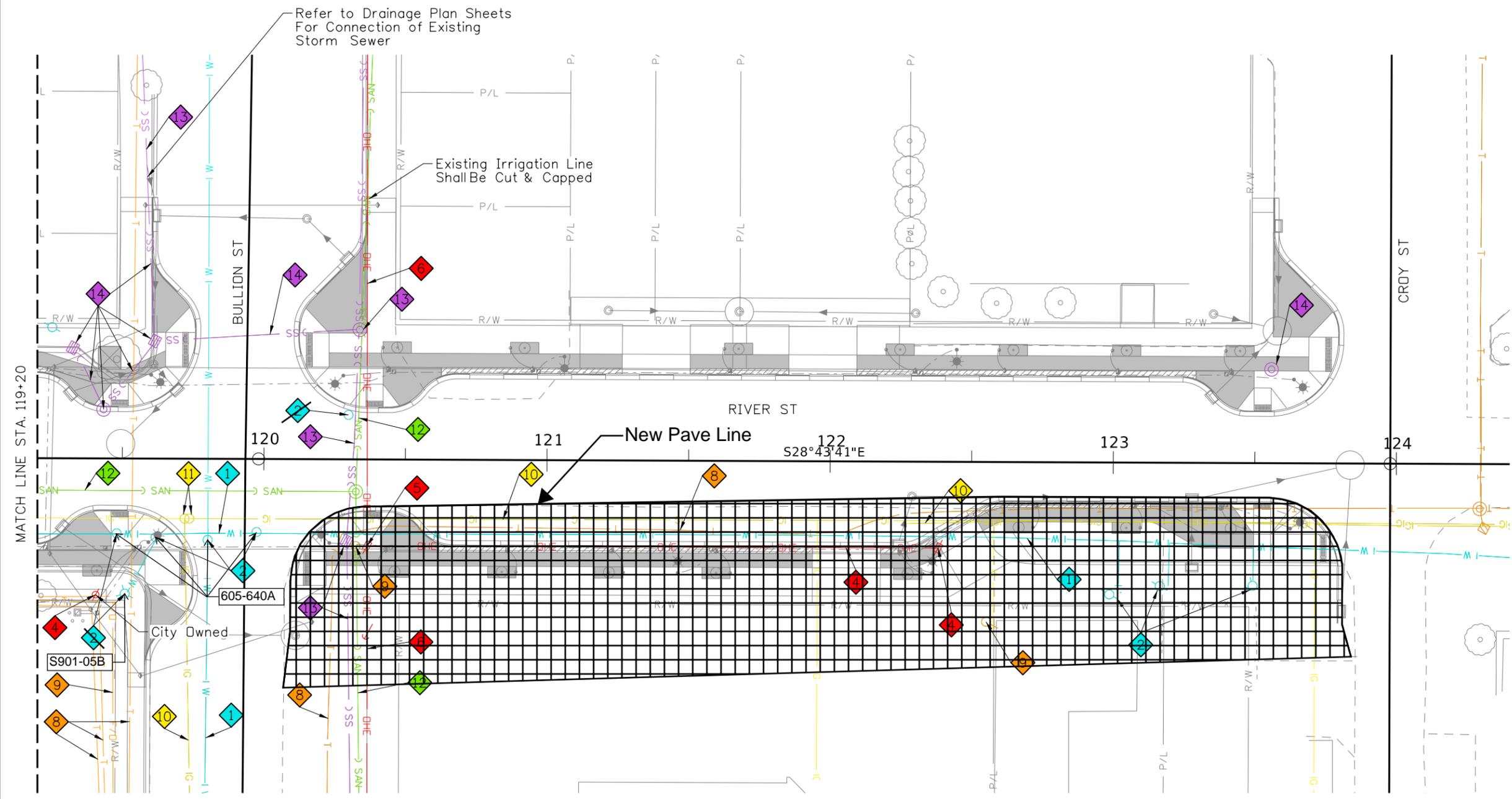
COUNTY: Blaine

KEY NUMBER: 18807

SHEET 55 OF 56



8/17/2023 p:\7\SCI-PW\TEG-2.stanleygroup.com\Datatrace-1\Documents\Local\_Highway\_Technical\_Assistance\_Council\28427 - River Street, Walnut to Galena\11-CADD\Plan Sheets\34-Utility-Plans\18807\_util\_002



Refer to Drainage Plan Sheets For Connection of Existing Storm Sewer

Existing Irrigation Line Shall Be Cut & Capped

City Owned

605-640A

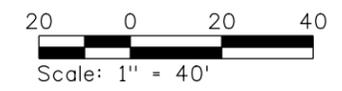
S901-05B

- 1 Retain/Protect Water Line/ Water Valve/Meter/Hydrant
- 2 Adjust/Relocate Water Valve/Meter/Hydrant at Company's expense
- 3 Adjust/Relocate Irrigation Line and Equipment at Company's expense
- 4 Remove/Dispose Light Pole/ Power Line at Company's expense
- 5 Adjust/Relocate Power Pole & Line at Company's Expense
- 6 Retain Power Pole/Power Line/ Power Equipment/Light Pole
- 7 Adjust/Relocate Junction Box/ Manhole at Company's expense
- 8 Retain/Protect Underground Telephone Line/Junction Box
- 9 Retain/Protect Underground Fiber Optic Line
- 10 Retain/Protect Gas Line/ Valve/Marker
- 11 Adjust/Relocate Gas Valve at Company's expense
- 12 Retain/Protect Sanitary Sewer
- 13 Retain/Protect Storm Sewer
- 14 Remove Storm Sewer at Company's expense

LEGEND

- W Water Utility Line
- OHE Overhead Electric Line
- T Underground Telephone Line
- G Gas Line
- SAN Sanitary Sewer Line
- SS Storm Sewer Line

Removed from bid



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	G.Shuger
DESIGN CHECKED	J.Hillemonds
DETAILED	B.Heuvelhorst
DRAWING CHECKED	J. Hillemonds

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY

CADD FILE NAME: 18807\_util\_002

DRAWING DATE: 8/17/2023

**IDAHO TRANSPORTATION DEPARTMENT**

Stanley Consultants INC.

PROJECT NO. A018(807)

UTILITY SHEET 2

**RIVER STREET;  
WALNUT TO GALENA, HAILEY  
STA 119+20 - STA 124+00**

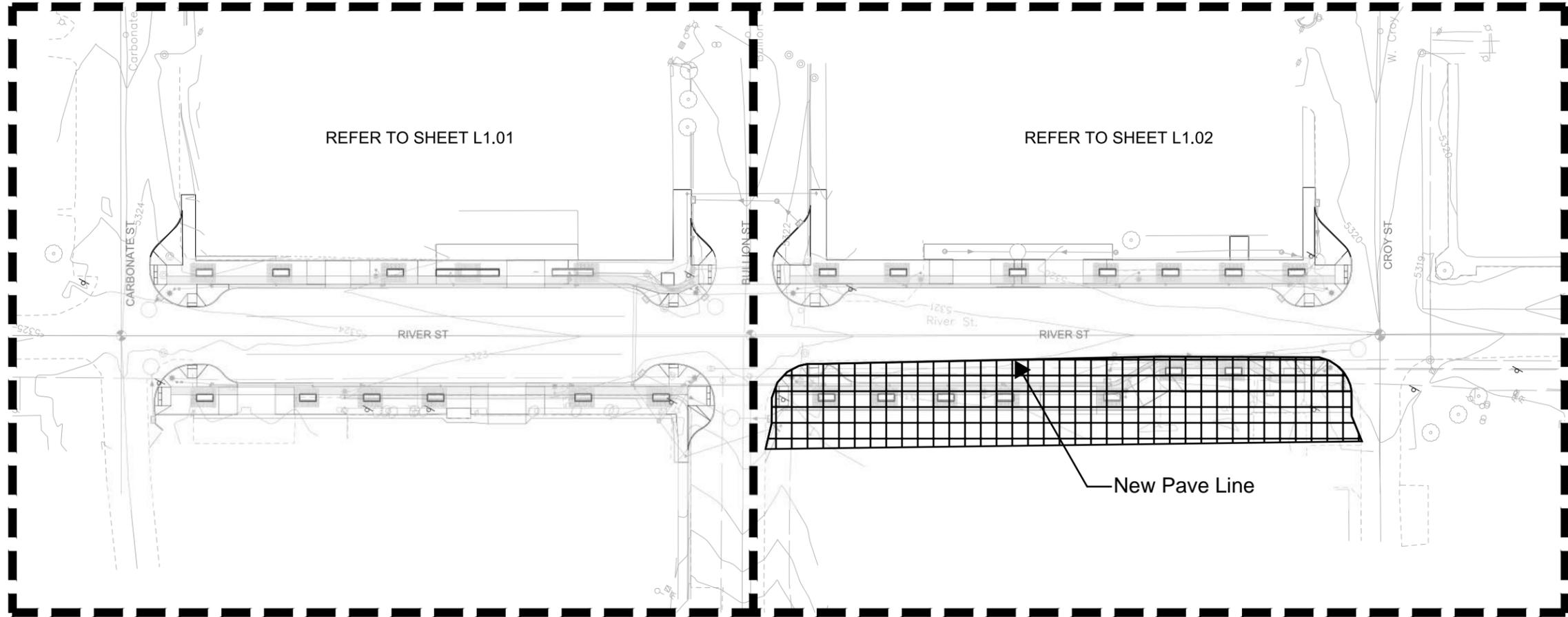
**English**

COUNTY Blaine

KEY NUMBER 18807

SHEET 56 OF 56





REFER TO SHEET L1.01

REFER TO SHEET L1.02

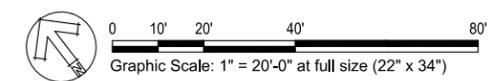
New Pave Line

 Removed from bid

**NOTES**

**LIMITS OF WORK**  
 SOUTH SIDE OF CARBONATE ST TO NORTH SIDE OF CROY STREET, BOTH SIDES OF RIVER STREET

REFER TO CIVIL FOR STREET LAYOUT, SECTIONS, ELEVATIONS AND OTHER FEATURES RELATED TO THE ROAD, SIDEWALKS, BIKE LANES, CURB AND GUTTER LAYOUTS, TYP



DRAWING SET:  
**Construction Drawings**

REVISIONS:  
 REV 1:  
 REV 2:  
 REV 3:

PROJECT ADDRESS:

**RIVER STREET,**  
 WALNUT TO GALENA, HAILEY  
 HAILEY, IDAHO 83333

DESIGN: MAL  
 DRAWN: MJL  
 CHECKED: MAL

DATE: August 17, 2023

PROJECT: River Street - Hailey

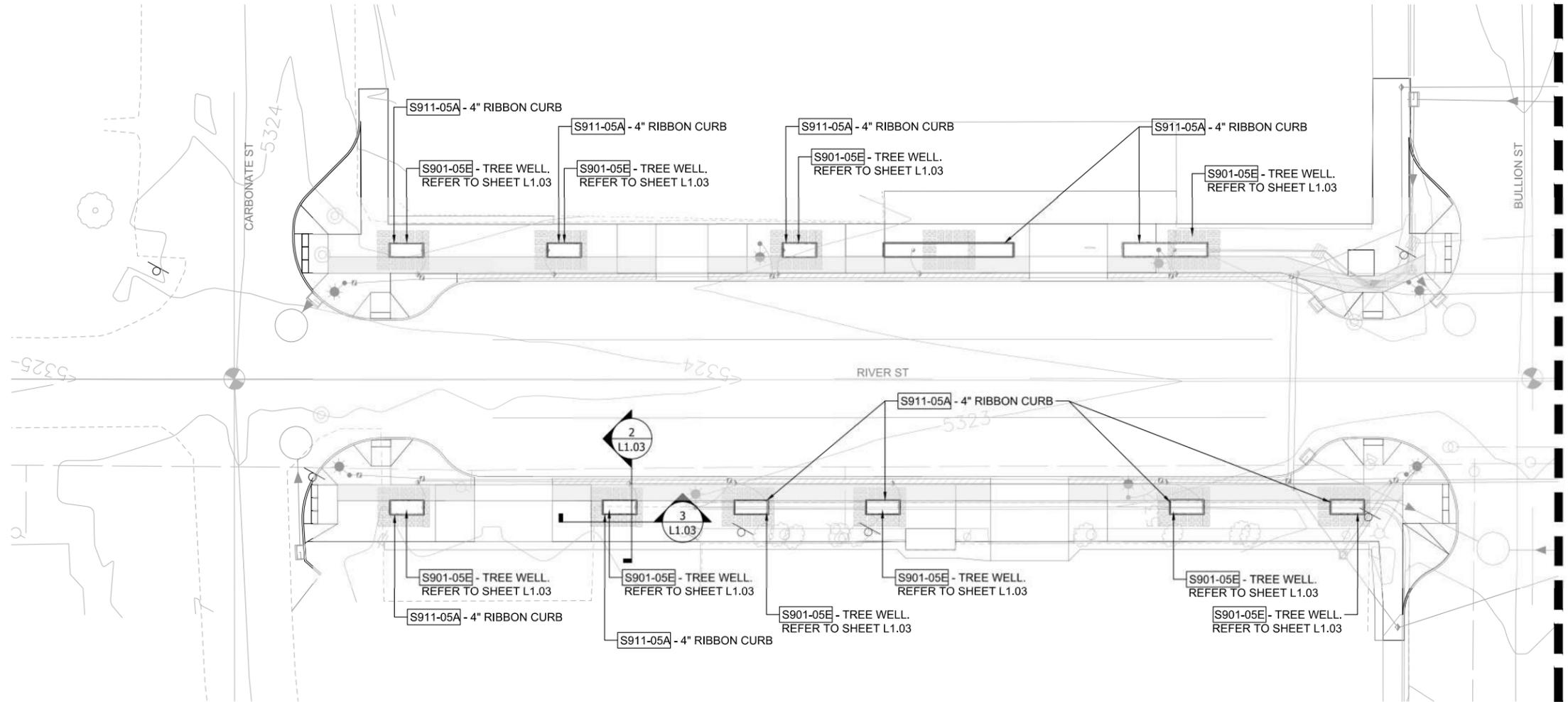
NUMBER: LLA0385.23

SCALE: 1" = 40'-0"

TITLE:

**OVERALL LAYOUT PLAN**

SHEET:  
**L1.00**



S901-05E	TREE WELLS	11 EACH
S911-05A	4" RIBBON CURB	418 LF ±

**NOTE:**  
 SILVA CELL STRUCTURES DESIGNED VOLUME  
 APPROX. 500 CF (18.5 CY) OF SOIL PER TREE.  
 AVERAGE OF 16 2x SILVA CELLS PER TREE

**NOTE:**  
 SILVA CELL PRODUCT MATERIAL TO BE  
 PURCHASED AND PROVIDED BY  
 OTHERS (PLASTIC ONLY).

REFER TO L1.02



DRAWING SET:  
**Construction Drawings**

REVISIONS:  
 REV 1:  
 REV 2:  
 REV 3:

PROJECT ADDRESS:

**RIVER STREET,  
 WALNUT TO GALENA, HAILEY  
 HAILEY, IDAHO 83333**

DESIGN: MAL  
 DRAWN: MJL  
 CHECKED: MAL

DATE: August 17, 2023

PROJECT: River Street - Hailey

NUMBER: LLA0385.23

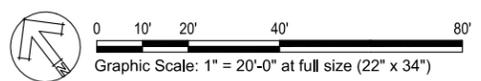
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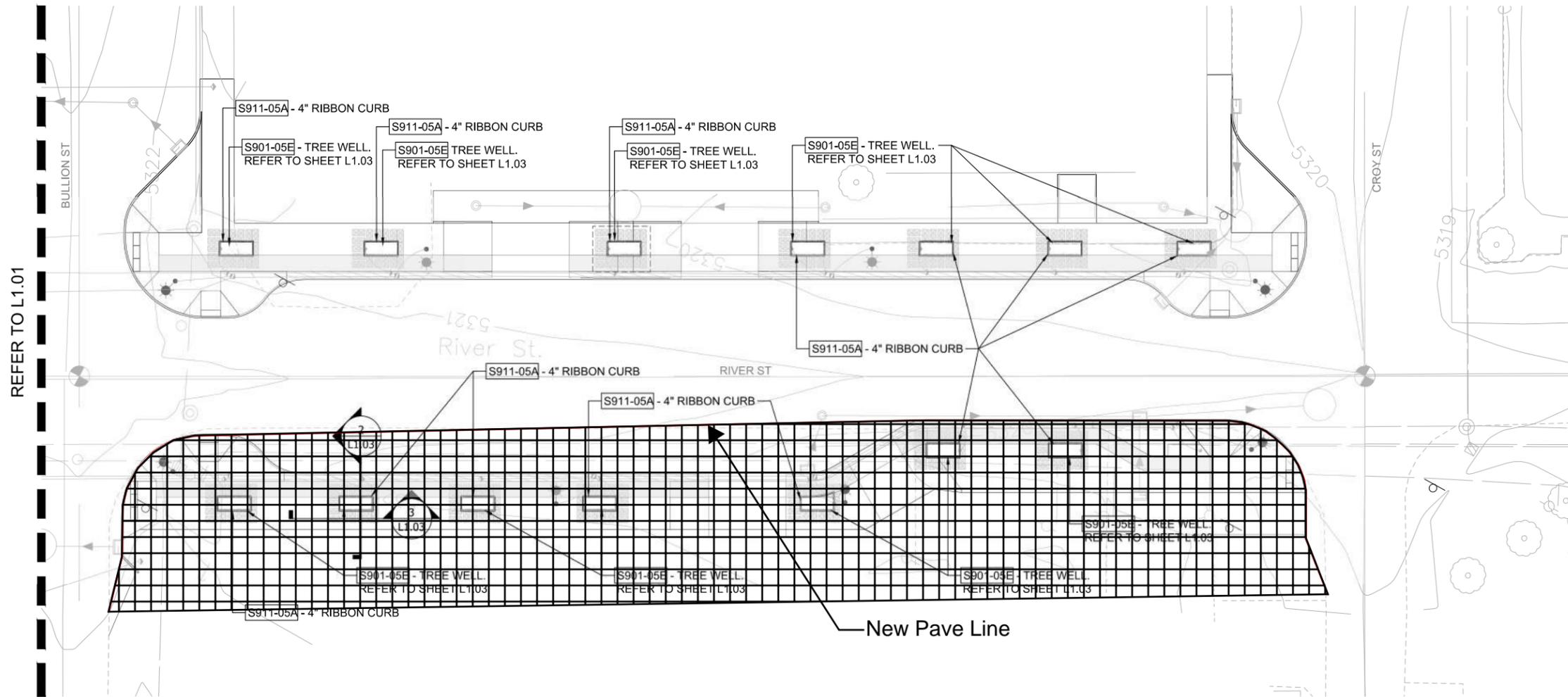
TITLE:

**LAYOUT PLAN  
 CARBONATE - BULLION**

SHEET:

**L1.01**





REFER TO L1.01

S901-05E	TREE WELLS	7 EACH
S911-05A	4" RIBBON CURB	210 LF ±

**NOTE:**  
 SILVA CELL STRUCTURES DESIGNED VOLUME APPROX. 500 CF (18.5 CY) OF SOIL PER TREE. AVERAGE OF 16 2x SILVA CELLS PER TREE

**NOTE:**  
 SILVA CELL PRODUCT MATERIAL TO BE PURCHASED AND PROVIDED BY OTHERS (PLASTIC ONLY).



DRAWING SET:  
**Construction Drawings**

REVISIONS:  
 REV 1:  
 REV 2:  
 REV 3:

PROJECT ADDRESS:

**RIVER STREET,**  
 WALNUT TO GALENA, HAILEY  
 HAILEY, IDAHO 83333

DESIGN: MAL  
 DRAWN: M.JL  
 CHECKED: MAL

DATE: August 17, 2023

PROJECT: River Street - Hailey

NUMBER: LLA0385.23

SCALE: 1" = 20'-0"

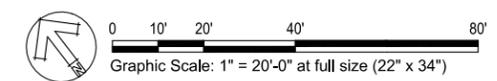
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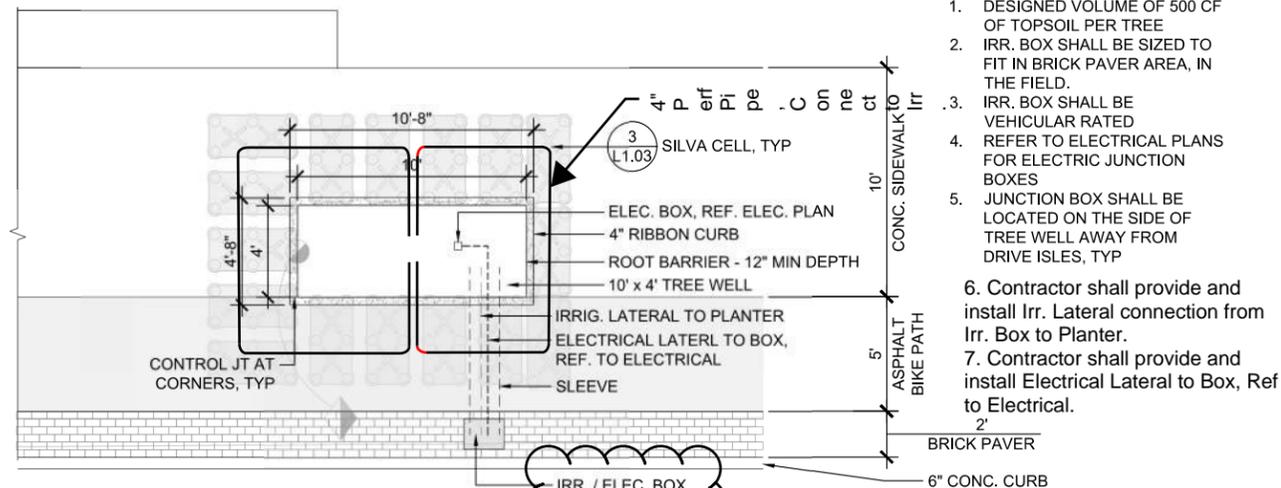
**LAYOUT PLAN**  
**BULLION - CROY**

SHEET:

**L1.02**

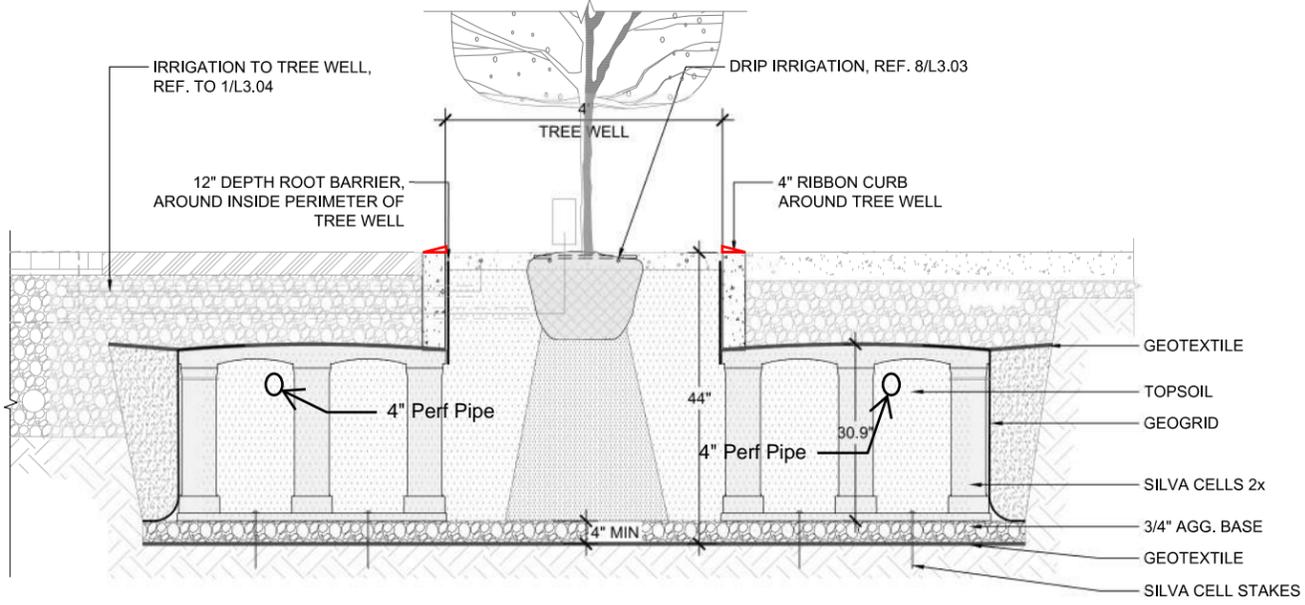
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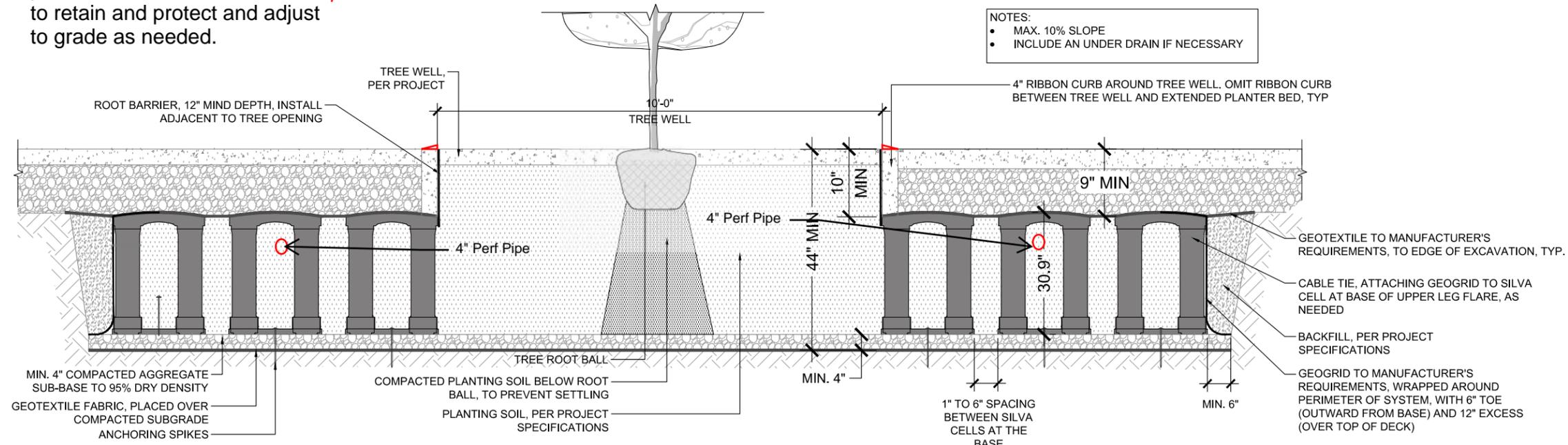
1 TREE WELL LAYOUT PLAN  
SCALE: 1/4" = 1'-0"

- NOTES**
- DESIGNED VOLUME OF 500 CF OF TOPSOIL PER TREE
  - IRR. BOX SHALL BE SIZED TO FIT IN BRICK PAVER AREA, IN THE FIELD.
  - IRR. BOX SHALL BE VEHICULAR RATED
  - REFER TO ELECTRICAL PLANS FOR ELECTRICAL JUNCTION BOXES
  - JUNCTION BOX SHALL BE LOCATED ON THE SIDE OF TREE WELL AWAY FROM DRIVE ISLES, TYP
  - Contractor shall provide and install Irr. Lateral connection from Irr. Box to Planter.
  - Contractor shall provide and install Electrical Lateral to Box, Ref to Electrical.
  - Install drip line in 4" Perf Pipe.

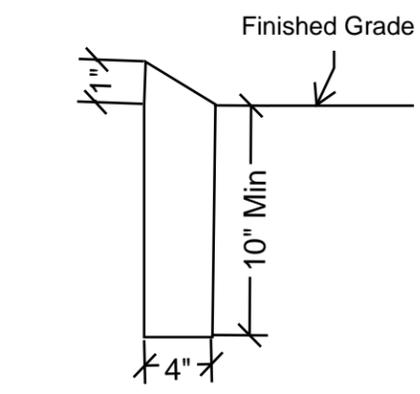


2 TREE WELL SECTION  
SCALE: 3/4" = 1'-0"

Box to be installed by others prior to construction. Contractor to retain and protect and adjust to grade as needed.

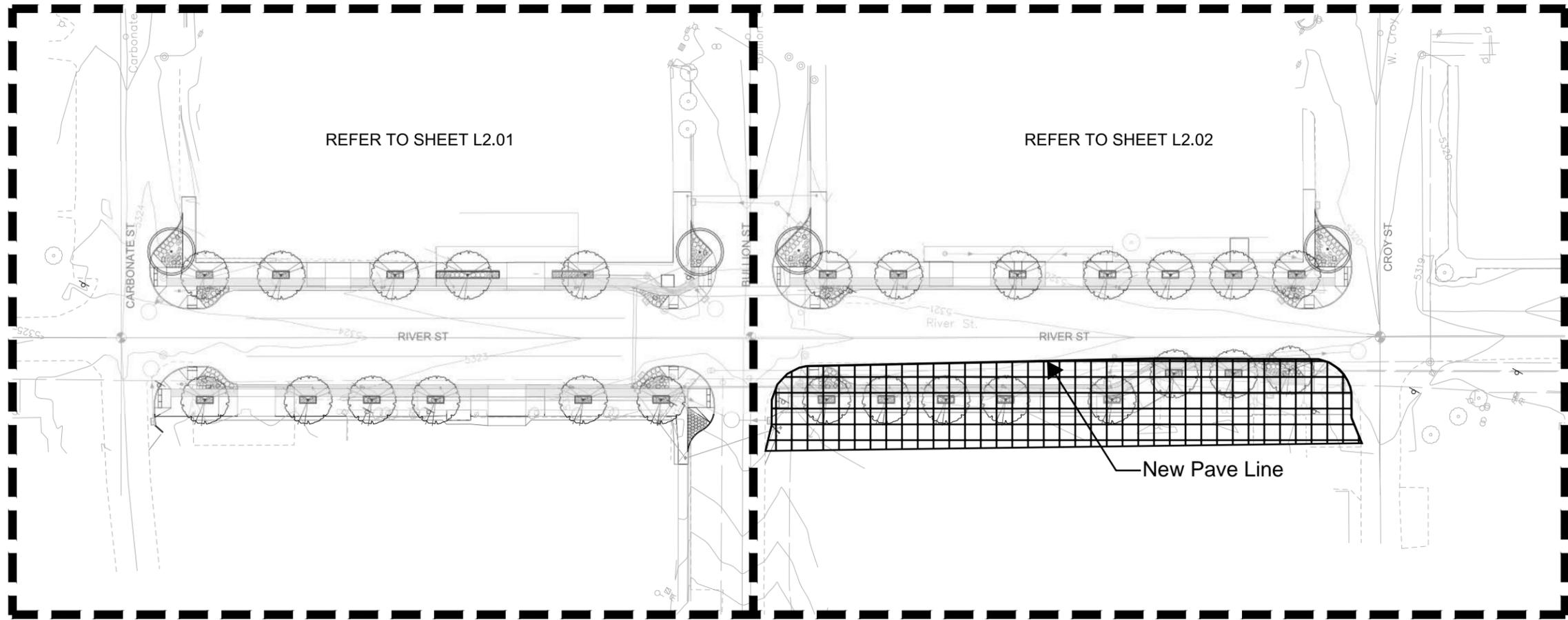


3 SILVA CELLS UNDER CIP CONCRETE, THROUGH TREE WELL, 2X SILVA CELL SYSTEM  
SCALE: 3/4" = 1'-0"



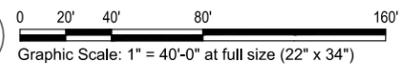
4 4" Ribbon Curb Detail  
Not to Scale

\* PROVIDED MATERIALS MUST MEET CONTRACT BUY AMERICA REQUIREMENTS. THIS REQUIREMENT MUST BE INDICATED TO THE SUPPLIER AT THE TIME OF ORDERING.



REFER TO L2.01 FOR PLANT SCHEDULE & PLANT NOTES

 Removed from bid



Know what's below.  
 Call before you dig.

DRAWING SET:

**Construction Drawings**

REVISIONS:  
 REV 1:  
 REV 2:  
 REV 3:

PROJECT ADDRESS:

**RIVER STREET,**  
 WALNUT TO GALENA, HAILEY  
 HAILEY, IDAHO 83333

DESIGN: MAL  
 DRAWN: M.JL  
 CHECKED: MAL

DATE: August 17, 2023

PROJECT: River Street - Hailey

NUMBER: LLA0385.23

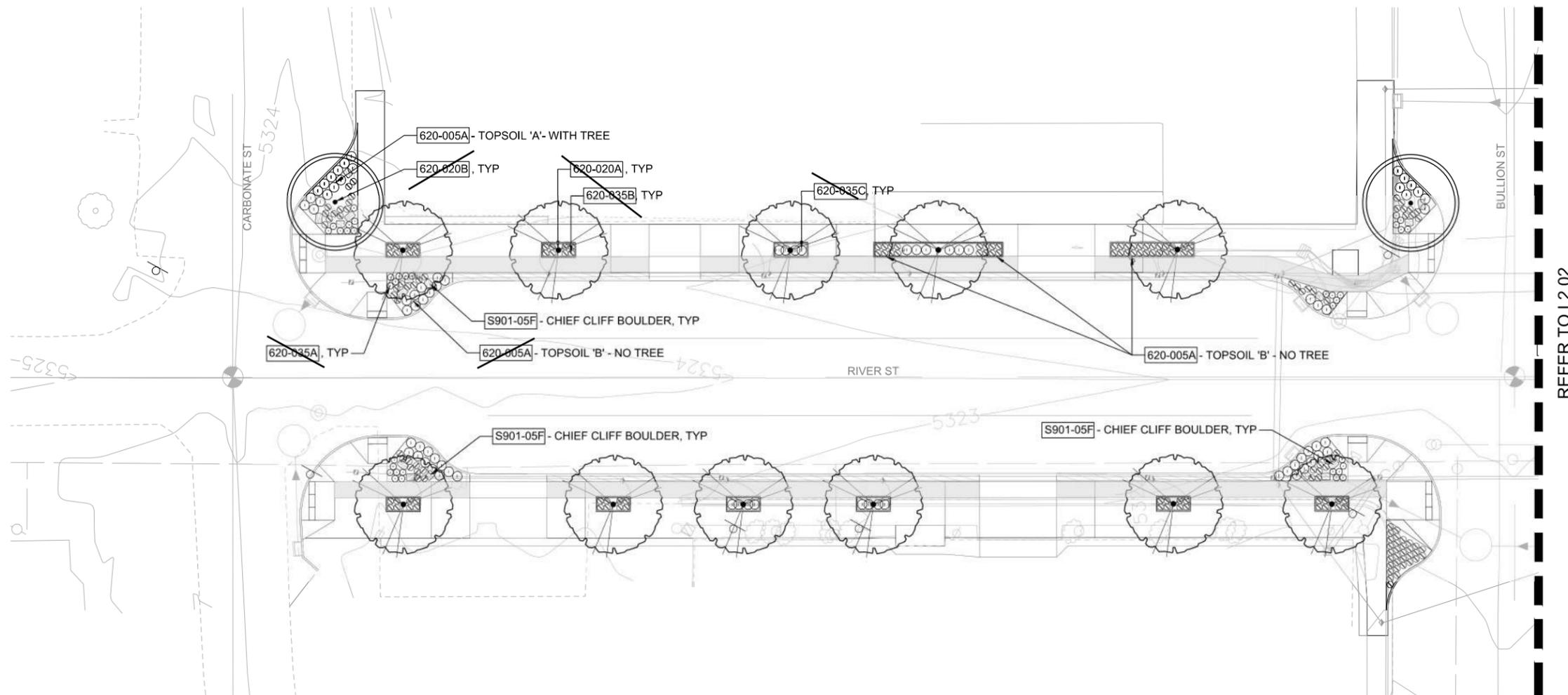
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TITLE:

**OVERALL PLANTING PLAN**

SHEET:

**L2.00**



REFER TO L2.02

**PLANT SCHEDULE - L2.01**

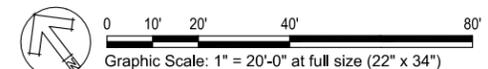
QTY.	ITD CODE	UNIT	BOTANICAL NAME	COMMON NAME	SIZE & SPACING, NOTES
<b>TREES</b>					
11	620-020A	Each	Gleditsia triacanthos 'Harve'	Northern Honeylocust	3" cal min, 10' 12' ht min, full and uniform branching, straight trunk, B&B
2	620-020B	Each	Quercus bicolor	Swamp White Oak	3" cal min, 10' 12' ht min, full and uniform branching, straight trunk, B&B
<b>PERENNIALS &amp; GRASSES</b>					
37	620-035A	Each	Echinacea 'Cheyenne Spirit'	Cheyenne Spirit Comflower	1 gal @ 2' OC
173	620-035B	Each	Helictotrichon sempervirens	Blue Oat Grass	1 gal @ 30" OC
77	620-035C	Each	Nepeta x faassenii 'Walker's Low'	Walker's Low Catmint	1 gal @ 3' OC
<b>BOULDERS</b>					
18	S901-05F	Each	Chief Cliff Boulders	Bury 1/4 to 1/3 of boulder	Approx Sizes. 18"x30" - 24"x36" long and wide by approx. 24"± height
50 CY ±	620-005A		TOPSOIL 'A'	32" DEPTH	Detail 5 / L2.03
37 CY ±	620-005A		TOPSOIL 'B'	14" DEPTH	Detail 6 / L2.03
17 CY ±	620-010A		MULCH	4" DEPTH	Detail 5 & 6 / L2.03

**LANDSCAPE SPECIFICATIONS & NOTES**

- SCOPE OF WORK
  - The landscaping and irrigation work is part of a larger site project resulting in disturbance to the site, landscape and irrigation. As such, the landscape contractor shall coordinate all work with the general contractor, both before any construction begins, and during the course of construction.
- MATERIALS
  - Topsoil. Refer to Specifications and Details 5/L2.03 and 6/L2.03. Provide Sample for Owner Review and Approval.
  - Mulch. Mulch shall be dark fine mulch that is organic and weed free, applied to a 4" compacted depth on all landscape planting beds. Provide Sample for Owner Review and Approval.
  - Fertilizer. Agraform 21-gram tablet time release fertilizer shall be used in all plantings. Place 1 for each ground cover, 2 for each shrub and 4 for each tree. They shall be placed in the plant pits as detailed. Also, top dress all plants with a suitable 'starter' fertilizer.
  - Tree Stakes. Tree stakes shall be 2" diameter x 8' length Lodgepole pine. Fasteners shall be 1" PVC Chain-Lock, placed as detailed.
- SOIL PREPARATION
  - Prior to any landscape work, contractor shall remove, or have removed, all debris from the other building trades from the landscape surfaces. NO landscape work shall commence until the areas are cleared of other trades debris.
  - Remove all rocks over 1", existing roots and other debris.
  - Fine grade the subgrade to adjoining surfaces in preparation of adding specified topsoil.
  - Beds. Refer to Details 5/L2.03 & 6/L2.03. Remove all rock and debris which may surface. Finished grade of topsoil shall be 4.5" below adjoining paved surfaces, allowing 4" for mulch. Therefore, finished grade shall be 1/2" below paved surface.
- PLANTING OF TREES, SHRUBS AND GROUNDCOVERS
  - Contractor responsible to verify quantities and that all plants meet American Nursery Stock Standards.
  - Contractor is to confirm that all beds are prepared and ready for planting, without interference with other trades.
  - Layout all plants as per plan and approval by Landscape Architect or Owner's Rep, making sure the plants are orientated to give best appearance to the viewer.
  - Pit plant all plants into prepared soil and plant per the details. While planting, hand water the plants into the plant pits thoroughly soaking the root balls and soil. Place fertilizer tablets as specified, filling plant pits with specified topsoil. Top dress fertilize when completed.
- PLANTING OF STREET TREES
  - Planted Street trees shall be scheduled for planting in spring (April 1 - June 30) or fall (September 1 - October 15)
  - Root Barriers shall be provided for all street trees at a 12" minimum depth on the inside perimeter of curb and other hard surfaces
- WARRANTY
  - All landscaping shall be warranted for one year from FINAL ACCEPTANCE. Plants requiring replacement shall be of the original variety and size as specified herein.
- IRRIGATION
  - An automatic irrigation system using drip irrigation to be installed
  - The irrigation system to provide complete coverage
  - Contractor to confirm location of controller with owner.
  - Contractor to confirm acceptable pressure for Irrigation System
  - Contractor to provide Coverage Test for approval by Owner.
  - Contractor to schedule controller and provide instruction manual to owner at completion

PER CITY OF HAILEY CODE STANDARDS, TYP

8. PROVIDED MATERIALS MUST MEET CONTRACT BUY AMERICA REQUIREMENTS. THIS REQUIREMENT MUST BE INDICATED TO THE SUPPLIER AT THE TIME OF ORDERING.



DRAWING SET:  
**Construction Drawings**

REVISIONS:  
REV 1:  
REV 2:  
REV 3:

PROJECT ADDRESS:

**RIVER STREET,  
WALNUT TO GALENA, HAILEY  
HAILEY, IDAHO 83333**

DESIGN: MAL  
DRAWN: MJL  
CHECKED: MAL

DATE: August 17, 2023

PROJECT: River Street - Hailey

NUMBER: LLA0385.23

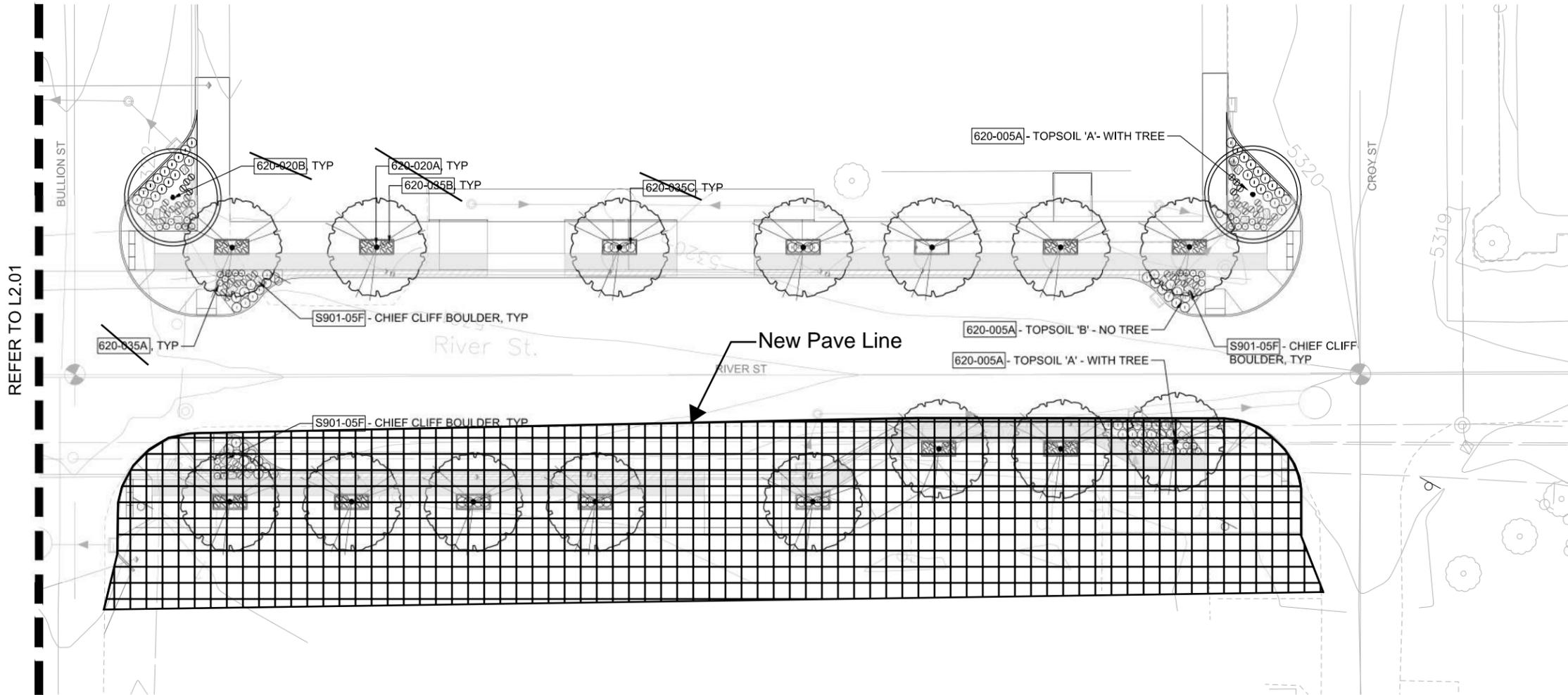
SCALE: 1" = 20'-0"

TITLE:

**PLANTING PLAN  
CARBONATE - BULLION**

SHEET:

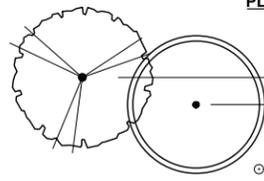
**L2.01**



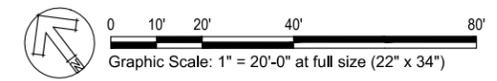
REFER TO L2.01

**PLANT SCHEDULE - L2.02**

QTY.	ITD CODE	UNIT	BOTANICAL NAME	COMMON NAME	SIZE & SPACING, NOTES
<b>TREES</b>					
15	620-020A	Each	Oleditsia triacanthos 'Harve'	Northern Honeylocust	3" cal min, 10'-12' ht min, full and uniform branching, straight trunk, B&B
2	620-020B	Each	Quercus bicolor	Swamp White Oak	3" cal min, 10'-12' ht min, full and uniform branching, straight trunk, B&B
<b>PERENNIALS &amp; GRASSES</b>					
43	620-035A	Each	Echinacea 'Cheyenne Spirit'	Cheyenne Spirit Cornflower	1 gal @ 2' OC
123	620-035B	Each	Helictotrichon sempervirens	Blue Oat Grass	1 gal @ 30" OC
97	620-035C	Each	Nepeta x faassenii 'Walker's Low'	Walker's Low Catmint	1 gal @ 3' OC
<b>BOULDERS</b>					
13	S901-05F	Each	Chief Cliff Boulders	Bury 1/4 to 1/3 of boulder	Approx Sizes. 20"x30" - 24"x42" long and wide by approx. 24"-30" height
105 CY ±	620-005A		TOPSOIL 'A'	32" DEPTH	Detail 5 / L2.03
16 CY ±	620-005B		TOPSOIL 'B'	14" DEPTH	Detail 6 / L2.03
17 CY ±	620-010A		MULCH	4" DEPTH	Detail 5 & 6 / L2.03



Removed from bid



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HAILEY, IDAHO 83333

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PROJECT: River Street - Hailey

NUMBER: LLA0385.23

SCALE: 1" = 20'-0"

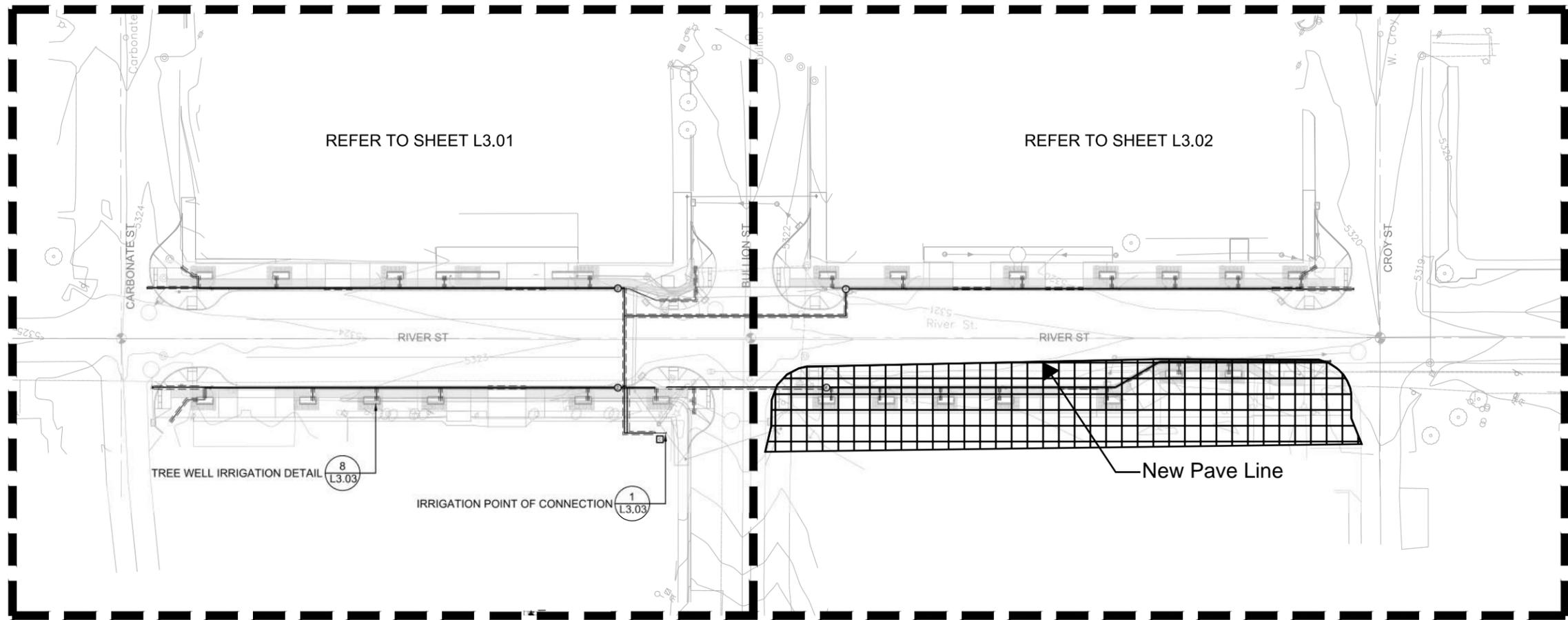
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**PLANTING PLAN**  
BULLION - CROY

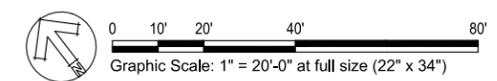
SHEET:

**L2.02**





Removed from bid



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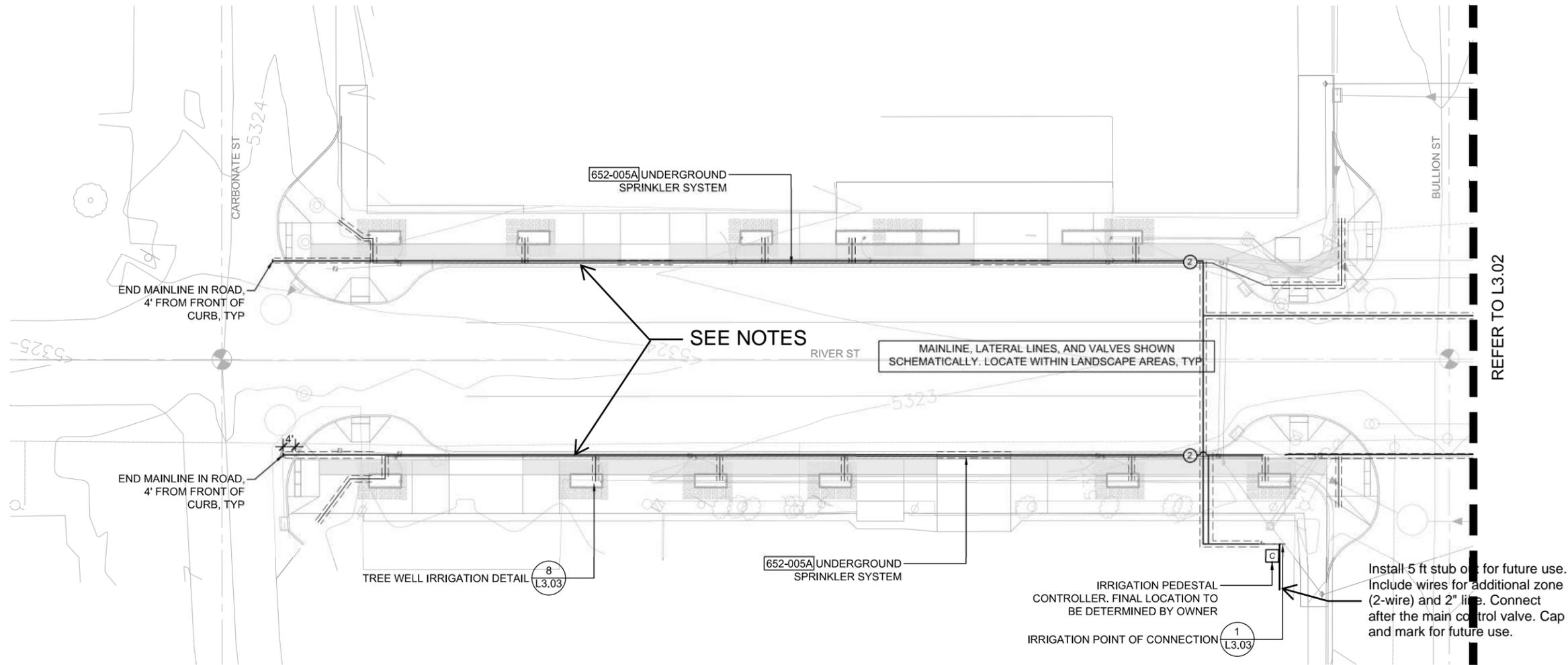
SCALE: 1" = 40'-0"

TITLE:

**OVERALL IRRIGATION PLAN**

SHEET:

**L3.00**



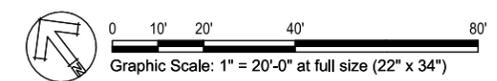
SEE NOTES

MAINLINE, LATERAL LINES, AND VALVES SHOWN SCHEMATICALLY. LOCATE WITHIN LANDSCAPE AREAS, TYP

REFER TO L3.02

- 652-005A** UNDERGROUND SPRINKLER SYSTEM LS
- INCLUDES THE FOLLOWING:
- CONTROLLER, PEDESTAL AND SOFTWARE
  - SCH 40 4" MAINLINE to be installed by others prior to construction. Contractor is responsible for all connections.
  - 200 SCH PVC LATERAL LINES
  - 200 SCH PVC SLEEVING
  - DRIP IRRIGATION
  - 4 VALVES FOR ZONES
  - FITTINGS & OTHER INCIDENTALS FOR COMPLETION OF INSTALLATION

- NOTES:**
1. SCH 40 4" MAINLINE TO BE INSTALLED BY OWNER.
  2. VALVE BOXES TO BE INSTALLED BY OWNER. (CONTRACTOR TO RETAIN AND PROTECT).
  3. ADJUST ALL IRRIGATION VALVE BOXES AND ELECTRICAL JUNCTION BOXES EXISTING AT START OF CONSTRUCTION TO FINISH GRADE.
  4. CONNECT SECONDARY IRRIGATION LINE TO TREE WELLS.
  5. RETAIN AND PROTECT ALL IRRIGATION MAINS AND VALVE BOXES EXISTING AT THE START OF CONSTRUCTION.



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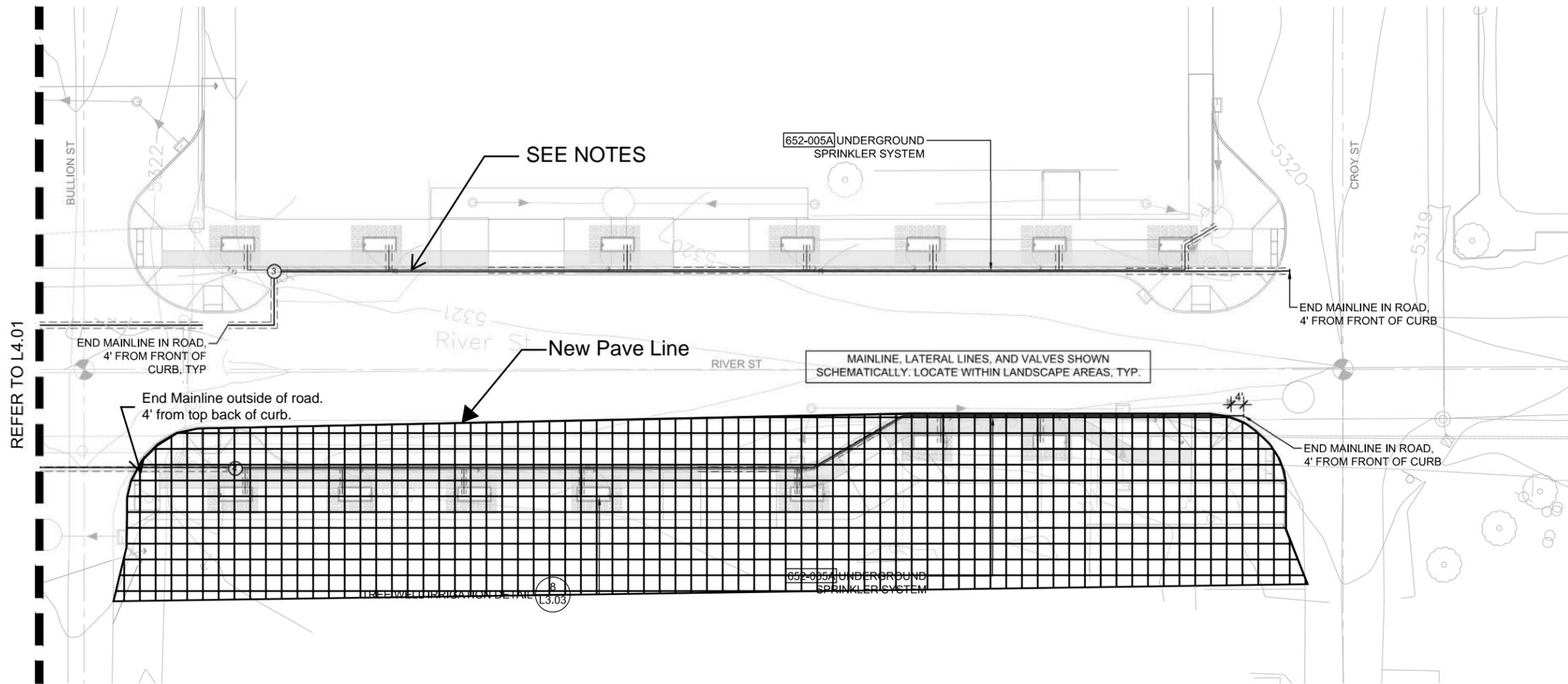
NUMBER: LLA0385.23

SCALE: 1" = 20'-0"

TITLE:

**IRRIGATION PLAN  
 CARBONATE - BULLION**

SHEET:  
**L3.01**



REFER TO L4.01

SEE NOTES

New Pave Line

652-005A UNDERGROUND SPRINKLER SYSTEM

MAINLINE, LATERAL LINES, AND VALVES SHOWN SCHEMATICALLY. LOCATE WITHIN LANDSCAPE AREAS, TYP.

END MAINLINE IN ROAD, 4' FROM FRONT OF CURB

END MAINLINE IN ROAD, 4' FROM FRONT OF CURB, TYP

End Mainline outside of road, 4' from top back of curb.

END MAINLINE IN ROAD, 4' FROM FRONT OF CURB

652-005A UNDERGROUND SPRINKLER SYSTEM

652-005A UNDERGROUND SPRINKLER SYSTEM LS

IRRIGATION LEGEND			
SYMBOL	MFG.	CATALOG NO.	DESCRIPTION
⊗	RAINBIRD	100-PEB-PRS-D	1" GLOBE PLASTIC BODY ELECTRIC REMOTE CONTROL VALVE WITH PRESSURE REGULATING MODULE
⊘	KENNEDY	8561ASS	2" RESILIENT SEATED GATE VALVE
⊠	RAINBIRD	ESP-LXIVM 2-WIRE	CONTROLLER SHALL BE PEDESTAL MOUNT AT LOCATION DETERMINED BY OWNER. GROUND THE SYSTEM TO MANUFACTURER'S SPECIFICATIONS
	RAINBIRD	LXMMSSPED	28" PEDESTAL AND CABINET SHALL BE STAINLESS STEEL
	RAINBIRD	NCC 4G-RS-EN Cellular	COMMUNICATION CARTRIDGE - IQ4-CLOUD
⊕	RAINBIRD	200-EFB-CP-R	2" ELECTRIC REMOTE CONTROL MASTER VALVE
+	HUNTER	PASV-101	1" ELECTRIC DRAIN VALVE WITH FLOW CONTROL
NOT SHOWN	STATION & COMMON WIRE SIZE-AWG 14 GAUGE MINIMUM. INSTALL ONE SPARE WIRE FOR ALL IRRIGATION ZONE WIRE RUNS. REVIEW ADDITIONAL REQUIREMENTS FOR FLOW METER & MASTER VALVE IF NECESSARY		
— — — — —	SCHEDULE 40 PVC MAINLINE (4" SIZE UNLESS NOTED OTHERWISE) @ 24" DEPTH		
— — — — —	CLASS 200 PVC LATERAL LINES, SIZE TO NOT EXCEED 7 FEET PER SECOND		
— — — — —	CLASS 200 PVC SLEEVES @ 24" DEPTH, SIZE TO ACCOMMODATE ALL PIPE		

ZONE SCHEDULE		
VALVE #		TYPE
1		DRIP
2		DRIP
3		DRIP
4		DRIP
5-24 ZONES 5-24 ARE FUTURE ZONES		

**IRRIGATION - GENERAL NOTES**

- CONFIRM WATER PRESSURE PRIOR TO STARTING OF WORK.
- THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION BY CALLING THE UNDERGROUND LOCATE LINE AT 1-800-424-5555 A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION.
- CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL EXISTING IMPROVEMENTS. DAMAGE TO EXISTING IMPROVEMENTS BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AND/OR QUALIFIED INSTALLERS/TRADES ACCEPTABLE TO THE SOLE SATISFACTION OF THE CONSTRUCTION OBSERVER AND AT NO COST TO THE OWNER.
- CONTRACTOR SHALL COORDINATE ALL WORK WITH THE GENERAL CONTRACTOR. ALL CONSTRUCTION CONFLICTS SHALL BE BROUGHT TO THE ATTENTION OF THE GENERAL CONTRACTOR AND CONSTRUCTION OBSERVER IMMEDIATELY UPON RECOGNITION.
- CONTRACTOR IS RESPONSIBLE FOR A THOROUGH CLEAN-UP FOR HIS/HER RESPECTIVE WORK, DAILY AND AT PROJECT CLOSE-OUT.
- ALL PIPING UNDER HARD SURFACES SHALL BE SLEEVED. CONTRACTOR IS REQUIRED TO INSTALL DUCTILE IRON PIPE FOR IRRIGATION PIPE SLEEVES UNDER PAVEMENTS. D.I. SLEEVE SHALL BE FOUR INCHES (4") LARGER THAN THE IRRIGATION MAINLINE PIPE SIZE. END OF SLEEVE SHALL EXTEND FOUR FEET (4') BEYOND EDGE OF PAVEMENT. MINIMUM DEPTH OF BURY FROM FIN. GRADE TO TOP OF SLEEVE SHALL BE ONE FOOT (12").
- ALL CONTROL WIRING NOT IN MAINLINE TRENCH SHALL BE BURIED WITHIN METAL CONDUIT. CONDUIT SHALL BE PLACED 18" BELOW FINISH GRADE. ALL CONDUIT AND FITTINGS SHALL BE INTERMEDIATE METALLIC OR BETTER.
- PIPE SIZE SHALL BE THE SAME ON BOTH SIDES OF VALVES. PIPE SHALL REMAIN CONSTANT BETWEEN PIPE SIZE CALLOUTS. 3/4" CLASS 200 PVC SHALL BE THE SMALLEST LATERAL LINE USED.
- FIELD VERIFY ALL SPRINKLER HEAD LOCATIONS (FLAGGING) BEFORE TRENCHING.
- WHERE TWO OR MORE PIPES SHARE THE SAME TRENCH, MAINTAIN A 4" SEPARATION BETWEEN PIPES. DO NOT CROSS PIPES OVER EACH OTHER UNLESS THEY ARE AT A 90 DEGREE ANGLE.

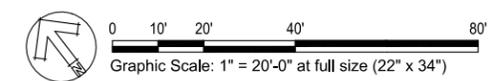
- IRRIGATION SITE PLAN IS SCHEMATIC. IRRIGATION PLUMBING AND EQUIPMENT SHALL BE INSTALLED IN TURF OR LANDSCAPE BED AREAS AND WITHIN PROPERTY BOUNDARIES. THE CONTRACTOR SHALL CONSIDER ALL SITE FEATURES IN THE INSTALLATION OF IRRIGATION IMPROVEMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLYING AND INSTALLING ALL IRRIGATION EQUIPMENT NECESSARY FOR A COMPLETE AND FUNCTIONAL IRRIGATION SYSTEM. FIELD VERIFY ALL EXISTING EQUIPMENT LOCATIONS AND REPORT ANY INCONSISTENCIES TO CONSTRUCTION OBSERVER/OWNER'S REPRESENTATIVE.
- SPRINKLER HEAD SYMBOLS SCHEMATICALLY REPRESENT DESIRED SPRAY PATTERNS. FIELD ADJUSTMENTS AND VERIFICATION OF SPRAY PATTERNS WILL BE NECESSARY. ADJUST SPRAY PATTERNS TO WATER LANDSCAPE AREA ONLY AND MINIMIZE OVERSPRAY ONTO PAVEMENT.
- PROVIDED MATERIALS MUST MEET CONTRACT BUY AMERICA REQUIREMENTS. THIS REQUIREMENT MUST BE INDICATED TO THE SUPPLIER AT THE TIME OF ORDERING.

- INCLUDES THE FOLLOWING:
- CONTROLLER, PEDESTAL AND SOFTWARE
  - SCH 40 4" MAINLINE to be installed by others prior to construction.
  - 200 SCH PVC LATERAL LINES Contractor is responsible for all connections.
  - 200 SCH PVC SLEEVING
  - DRIP IRRIGATION
  - 4 VALVES FOR ZONES
  - FITTINGS & OTHER INCIDENTALS FOR COMPLETION OF INSTALLATION

**NOTES:**

- SCH 40 4" MAINLINE TO BE INSTALLED BY OWNER.
- VALVE BOXES TO BE INSTALLED BY OWNER. (CONTRACTOR TO RETAIN AND PROTECT).
- ADJUST ALL IRRIGATION VALVE BOXES AND ELECTRICAL JUNCTION BOXES EXISTING AT START OF CONSTRUCTION TO FINISH GRADE.
- CONNECT SECONDARY IRRIGATION LINE TO TREE WELLS.
- RETAIN AND PROTECT ALL IRRIGATION MAINS AND VALVE BOXES EXISTING AT THE START OF CONSTRUCTION.

Removed from bid



DRAWING SET:  
**Construction Drawings**

REVISIONS:  
REV 1:  
REV 2:  
REV 3:

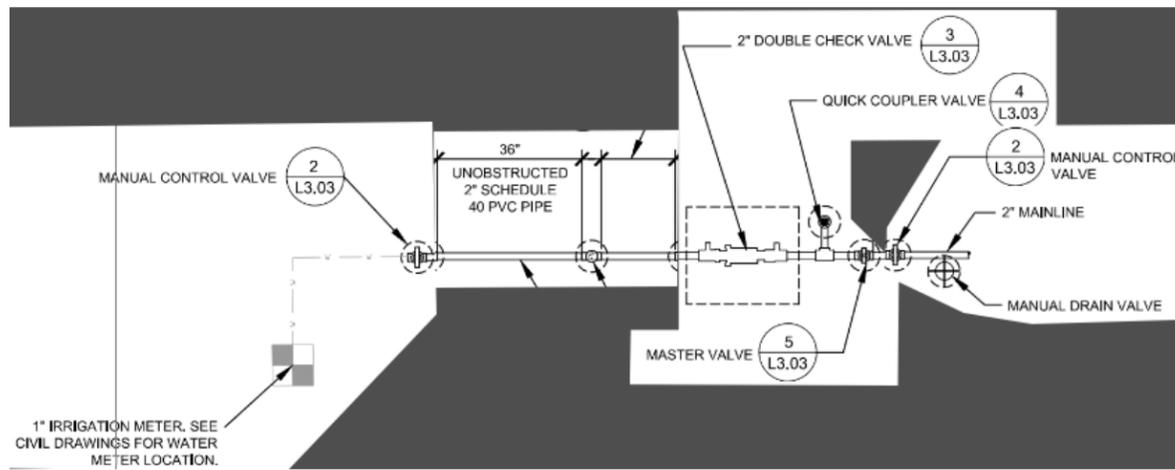
PROJECT ADDRESS:

**RIVER STREET,**  
WALNUT TO GALENA, HAILEY  
HAILEY, IDAHO 83333

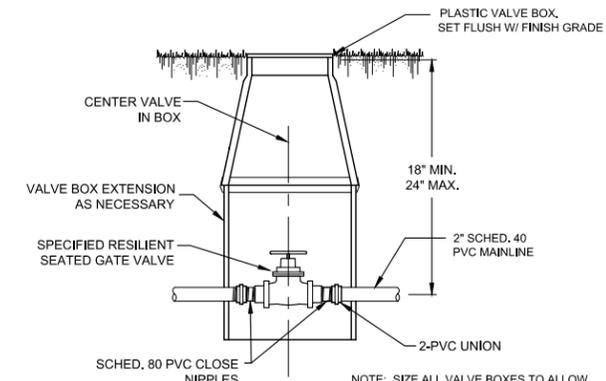
DESIGN: MAL  
DRAWN: MJL  
CHECKED: MAL  
DATE: August 17, 2023  
PROJECT: River Street - Hailey  
NUMBER: LLA0385.23  
SCALE: 1" = 20'-0"  
TITLE:

**IRRIGATION PLAN**  
BULLION - CROY

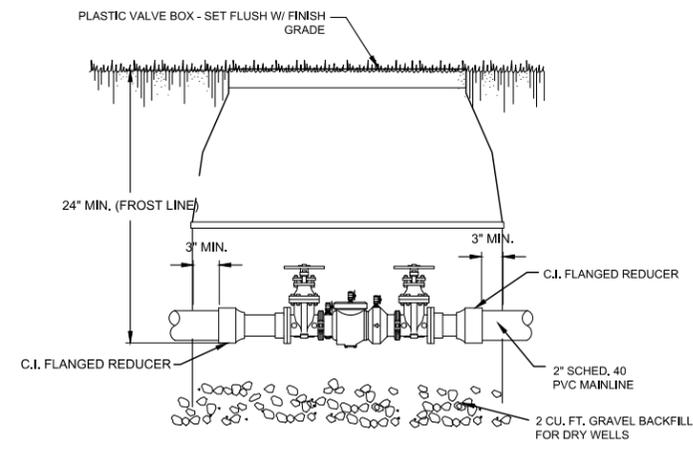
SHEET:  
**L3.02**



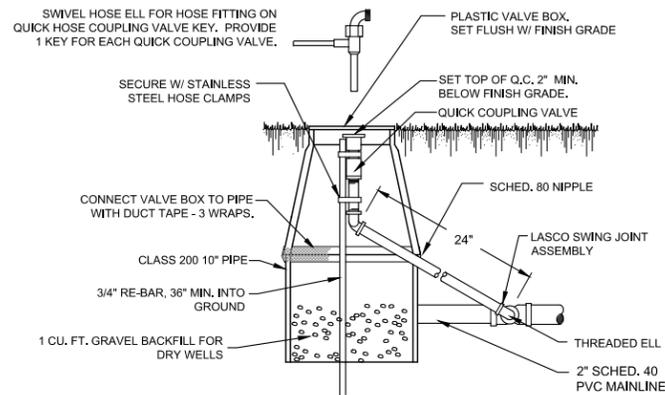
**1 POINT OF CONNECTION LAYOUT**  
NOT TO SCALE



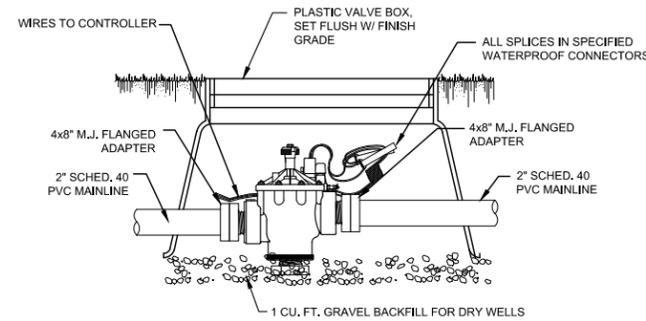
**2 MANUAL CONTROL VALVE**  
NOT TO SCALE



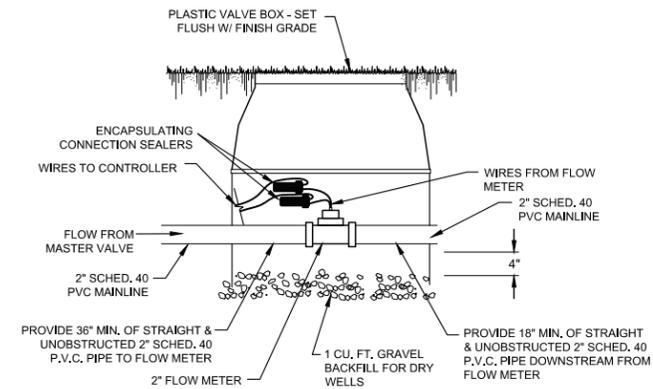
**3 DOUBLE CHECK VALVE (DCV) INSTALLATION**  
NOT TO SCALE



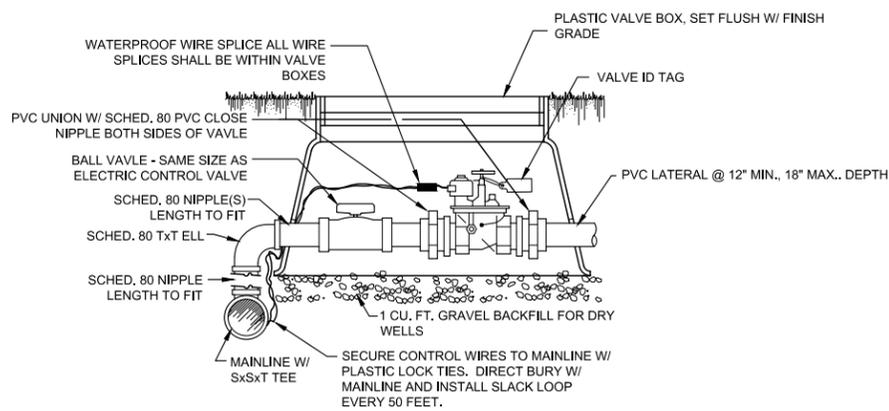
**4 QUICK COUPLER VALVE (QCV)**  
NOT TO SCALE



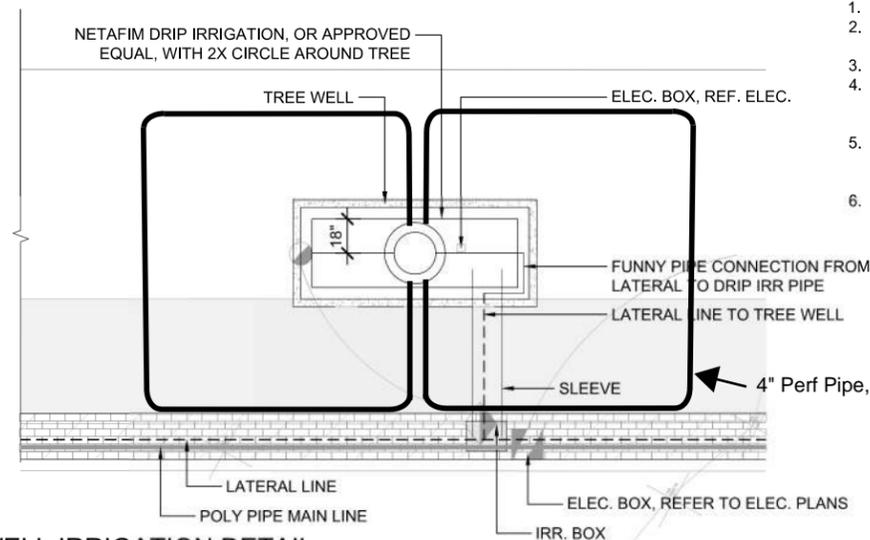
**5 MASTER VALVE INSTALLATION TYP.**  
NOT TO SCALE



**6 FLOW METER**  
NOT TO SCALE



**7 ELECTRIC CONTROL VALVE**  
NOT TO SCALE



**8 TREE WELL IRRIGATION DETAIL**  
SCALE: 1/4" = 1'-0"

**NOTES**

1. PROVIDE (2) DRIP RINGS AROUND EACH TREE
2. DRIP IRR. PIPE SHALL BE 6" FROM INSIDE EDGE OF TREE WELL CURB, TYP
3. DRIP IRR PIPE SHALL BE 18" OC
4. CONTRACTOR TO PROVIDE ALL FITTINGS NECESSARY, PER MANUFACTURER'S RECOMMENDATION
5. FUNNY PIPE CONNECTION BETWEEN LATERAL LINE AND DRIP IRRIGATION SHALL LIMIT BENDS AND TURNS AS MUCH AS POSSIBLE
6. ALL IRRIGATION IN TREE WELL LOCATIONS IS INCIDENTAL TO TREE WELL PAY ITEM

7. Install additional drip line inside 4" Perf Pipe.



Know what's below.  
Call before you dig.

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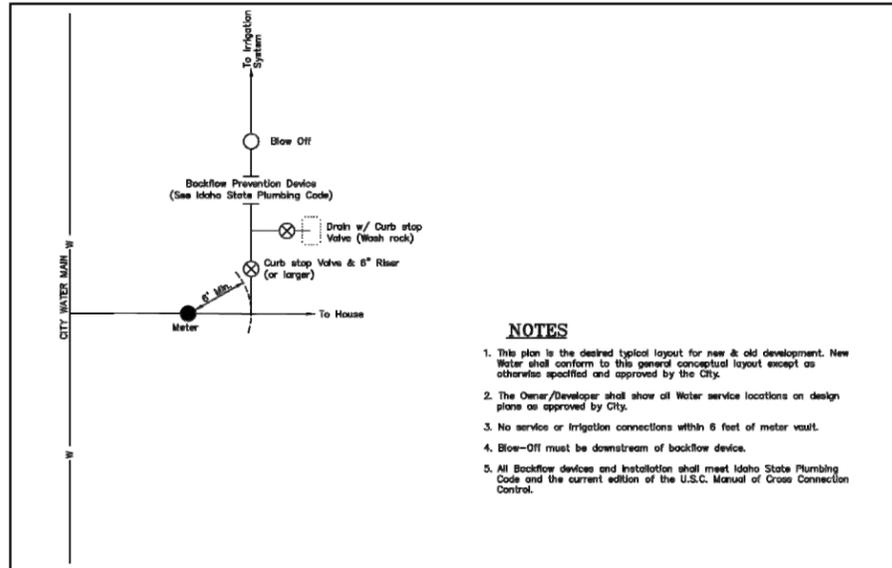
SCALE: As Shown

TITLE:

**IRRIGATION DETAILS**

SHEET:

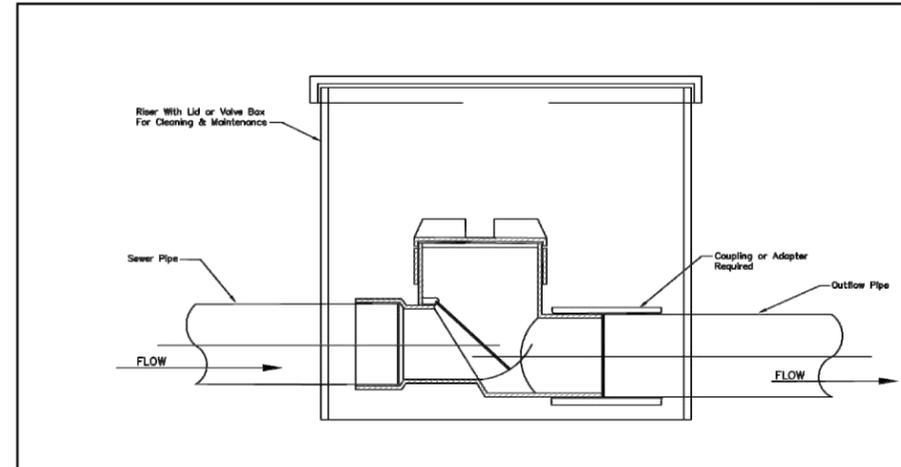
**L3.03**



- NOTES**
1. This plan is the desired typical layout for new & old development. New water shall conform to this general conceptual layout except as otherwise specified and approved by the City.
  2. The Owner/Developer shall show all water service locations on design plans as approved by City.
  3. No service or irrigation connections within 6 feet of meter vault.
  4. Blow-Off must be downstream of backflow device.
  5. All backflow devices and installation shall meet Idaho State Plumbing Code and the current edition of the U.S.C. Manual of Cross Connection Control.

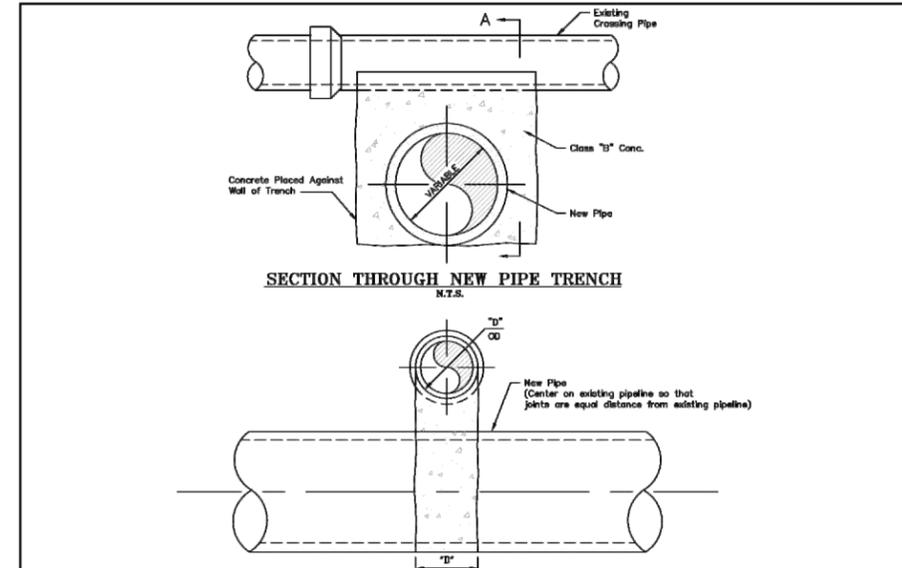
**PLAN VIEW  
TYPICAL WATER IRRIGATION LAYOUT**  
N.T.S.

REVISIONS	2020 CITY OF HAILEY STANDARD DRAWINGS	TYPICAL WATER IRRIGATION LAYOUT	18.14.010.B.11
			DRAWING NO.



- TYPICAL SECTION  
BACKWATER PREVENTION DEVICE**  
N.T.S.
- NOTES**
1. Backwater prevention device shall be required in sewer service lines that service basements. It shall be located on owner's property and maintained by the owner.
  2. An approved equal may be substituted for this backwater valve.

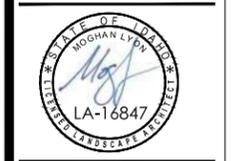
REVISIONS	2012 CITY OF HAILEY STANDARD DRAWINGS	SEWER BACKWATER VALVE	18.14.010.C.5
			DRAWING NO.



**SECTION THROUGH NEW PIPE TRENCH**  
N.T.S.

**SECTION A  
PIPE SUPPORT ACROSS TRENCH**  
N.T.S.

REVISIONS	2012 CITY OF HAILEY STANDARD DRAWINGS	PIPE SUPPORT ACROSS TRENCH	18.14.010.C.7
			DRAWING NO.



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WALNUT TO GALENA, HAILEY  
HAILEY, IDAHO 83333**

DESIGN: MAL  
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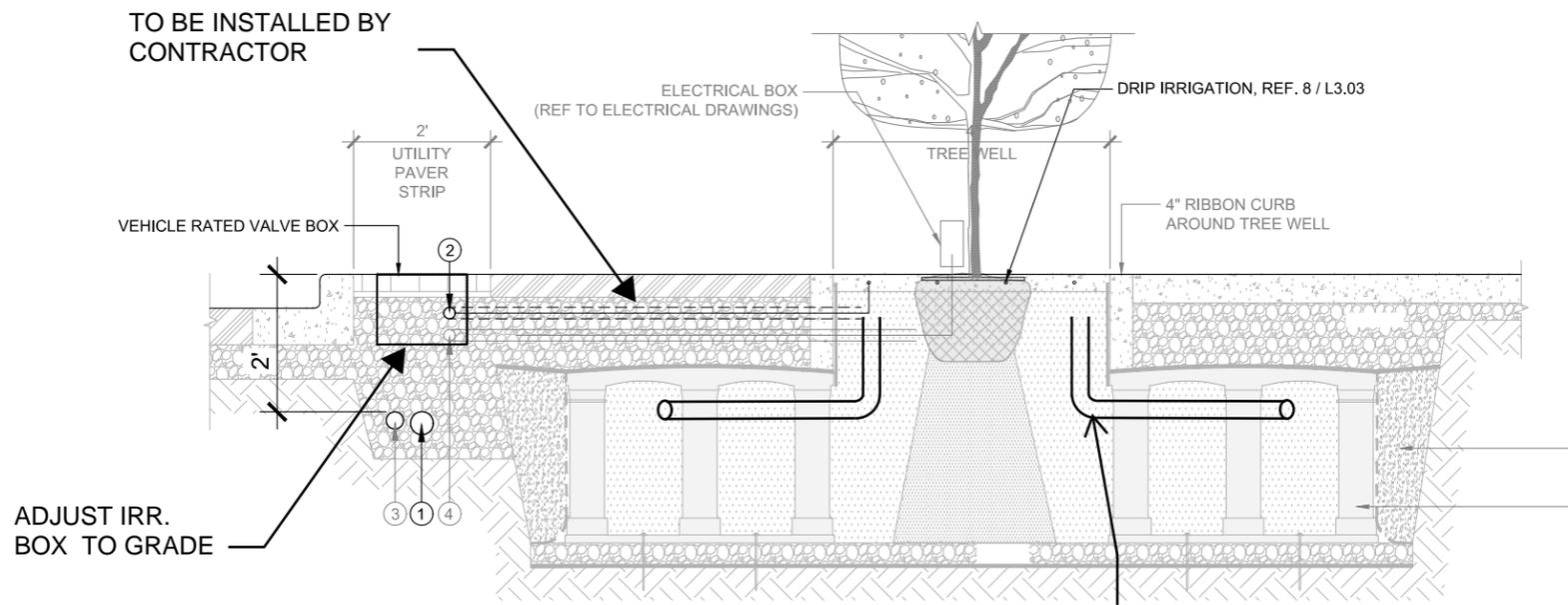
DATE: August 17, 2023

PROJECT: River Street - Hailey

NUMBER: LLA0385.23

SCALE: As Shown

TITLE:  
**IRRIGATION  
DETAILS  
CITY STANDARDS**

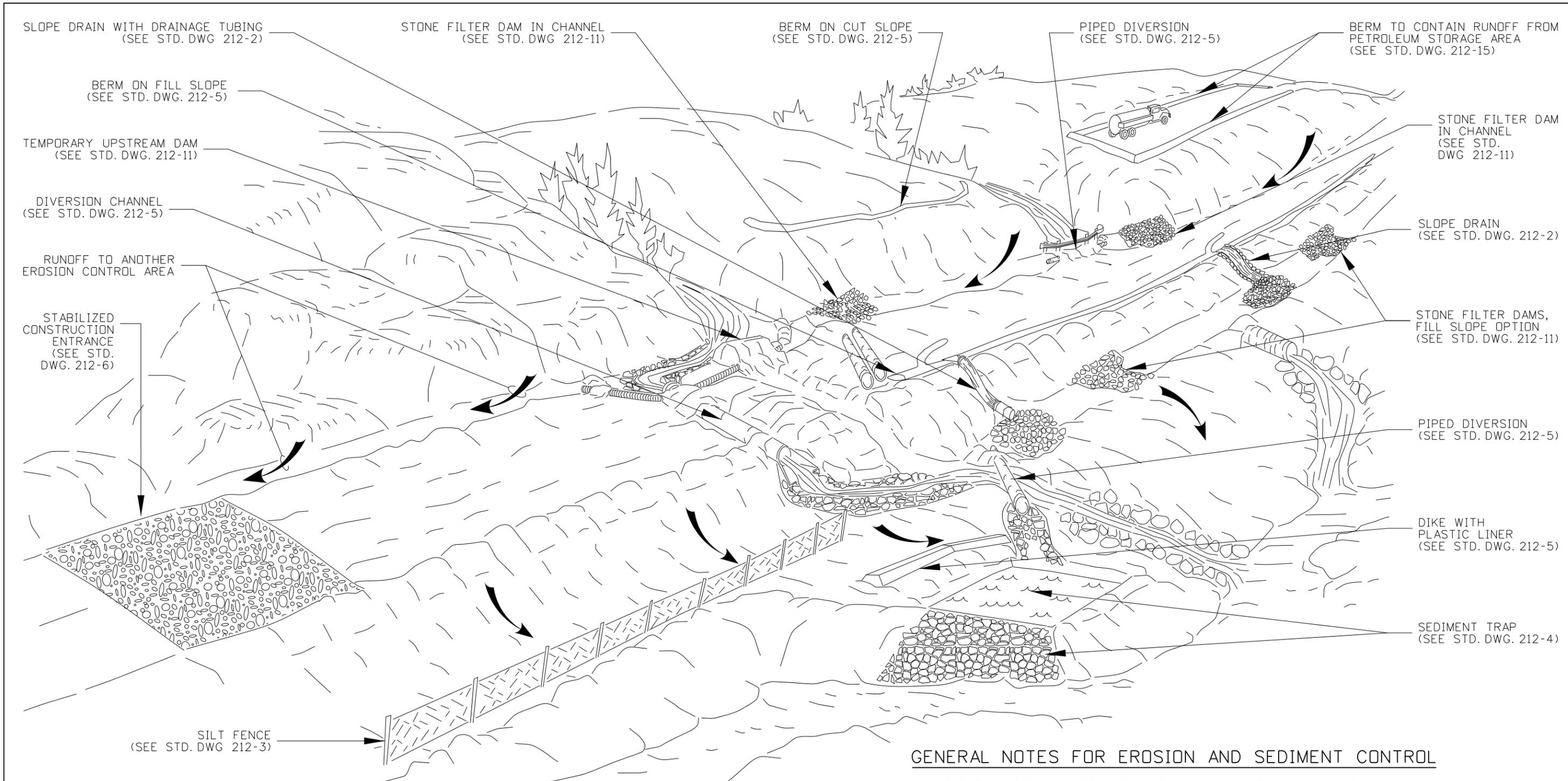


- CONDUITS UNDER UTILITY STRIP**
- ① 4" WATER MAIN
  - ② 2" WATER LATERAL
  - ③ ELECTRICAL MAIN - REF TO ELEC. PLANS
  - ④ ELECTRICAL LATERAL - REF TO ELEC. PLANS
- NOTES**
1. IRRIGATION MAINLINE SHALL BE 2' BELOW FINISHED GRADE OF BRICK PAVERS, TYP
  2. ELECTRICAL MAINLINE - REFER TO ELECTRICAL PLANS

**1** IRRIGATION THROUGH TREE WELL SECTION  
SCALE: 3/4" = 1'-0"

4" Perf Pipe with Drip line.

L3.00\_RIVST\_IRR.DWG



**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**

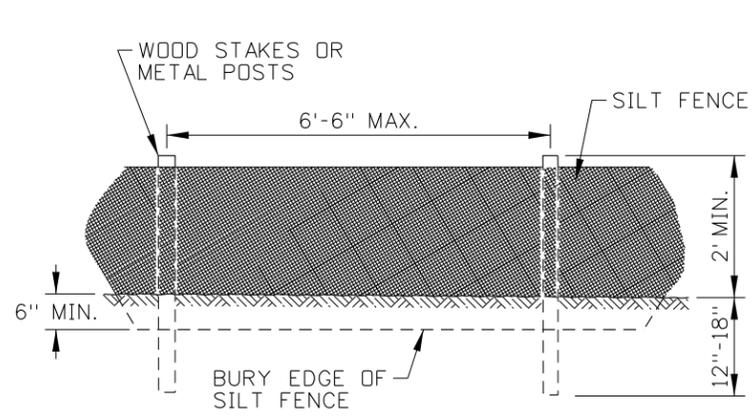


BOISE IDAHO

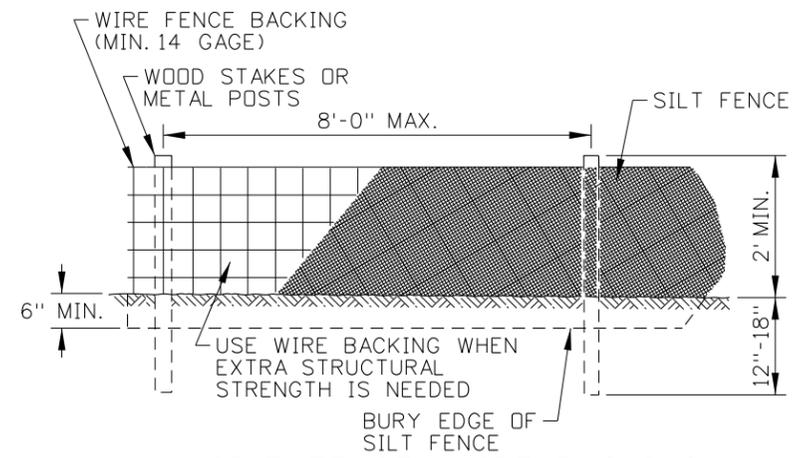
ORIGINAL SIGNED BY: KEVIN SABLAN  
 DESIGN/TRAFFIC SERVICES ENGINEER

STANDARD DRAWING  
**EROSION AND SEDIMENT CONTROL**  
 EXAMPLE APPLICATIONS

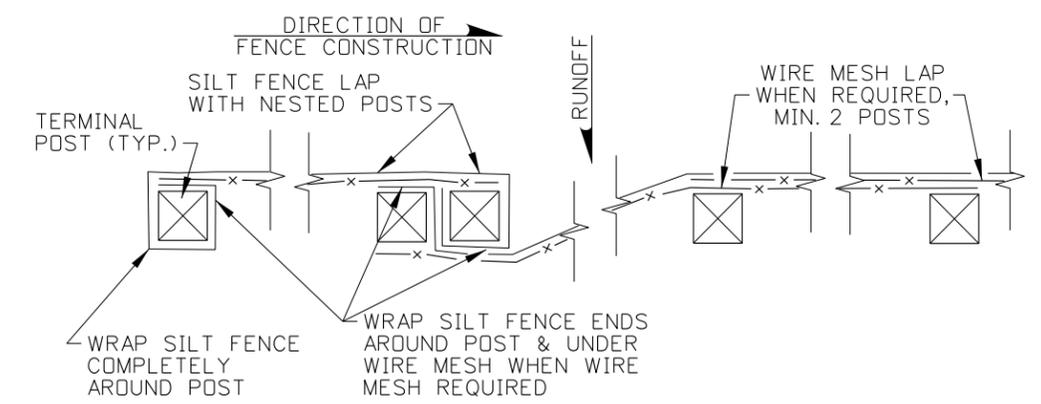
**English**  
 STANDARD DRAWING NO.  
 212-1  
 SHEET 1 OF 1



**SILT FENCE (NO WIRE BACKING)**



**SILT FENCE (WIRE BACKING)**



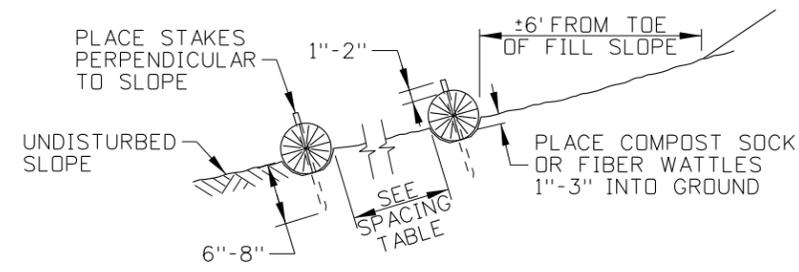
**SILT FENCE LAP DETAIL**

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

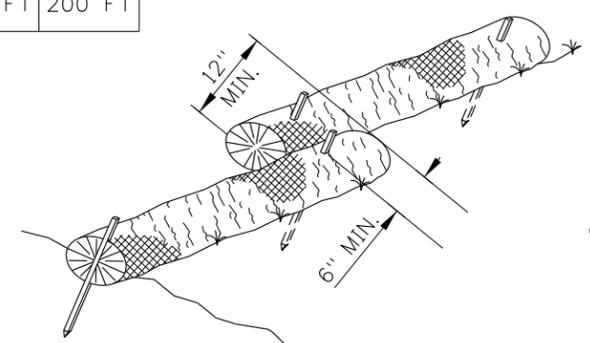
SLOPE	SOIL TYPE		
	SILTY	CLAYS	SANDY
1:1	50 FT	75 FT	100 FT
2:1	75 FT	100 FT	125 FT
4:1	100 FT	125 FT	150 FT
10:1 OR FLATTER	125 FT	150 FT	200 FT

**NOTES**

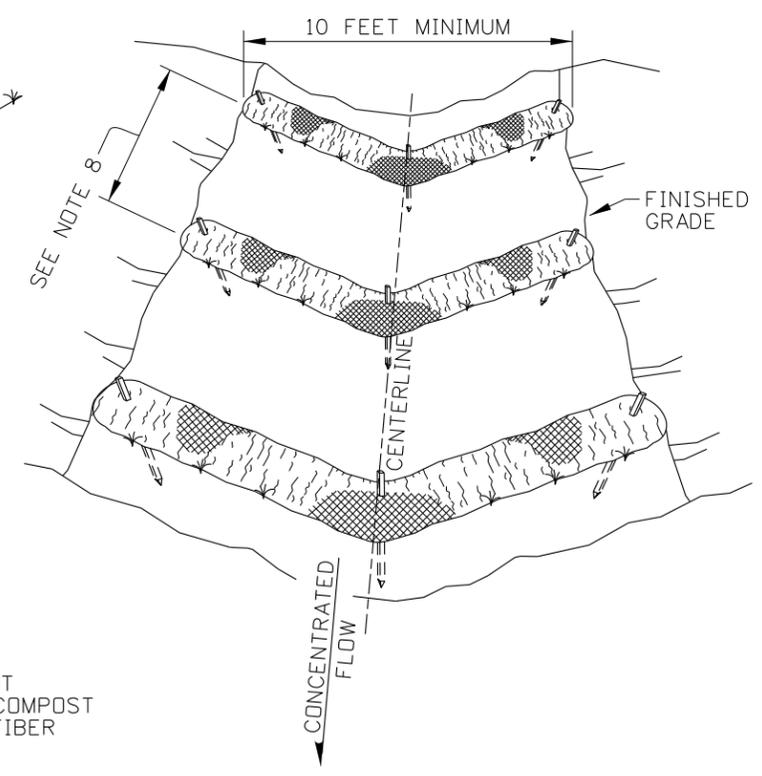
- SEE THE GENERAL NOTES FOR EROSION CONTROL STANDARD DRAWINGS ON 212-1.
- THE NEED FOR TEMPORARY SEDIMENT CONTROL DEVICES ARE DETERMINED BY SITE DESIGN. SPACE SILT FENCES, COMPOST SOCKS, AND FIBER WATTLES IN ACCORDANCE WITH THE SILT FENCE SPACING TABLE AND FIBER WATTLE & COMPOST SOCK SPACING TABLE.
- 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.



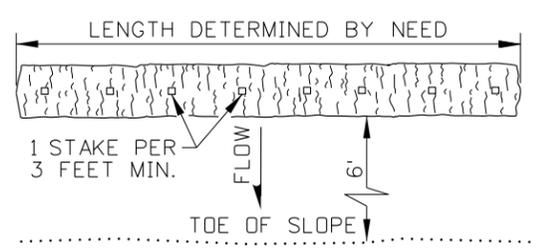
**COMPOST SOCK AND FIBER WATTLE SIDE VIEW**



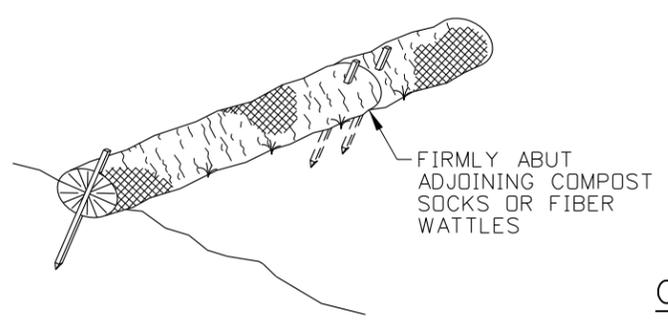
**COMPOST SOCK AND FIBER WATTLE OVERLAPPING DETAIL**



**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**

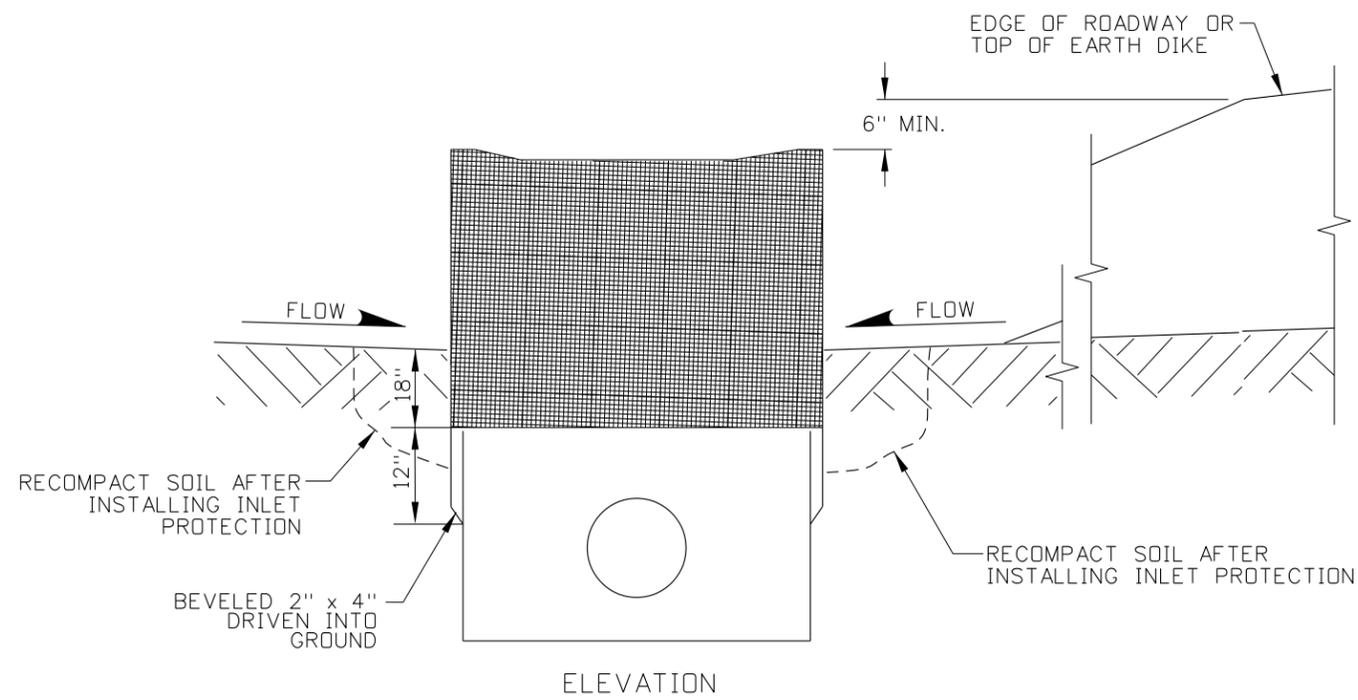
BOISE IDAHO

ORIGINAL SIGNED BY: KEVIN SABLAN  
 DESIGN/TRAFFIC SERVICES ENGINEER

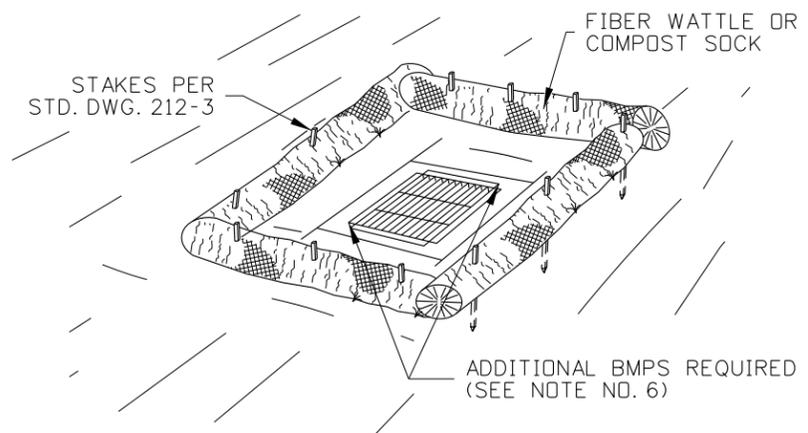
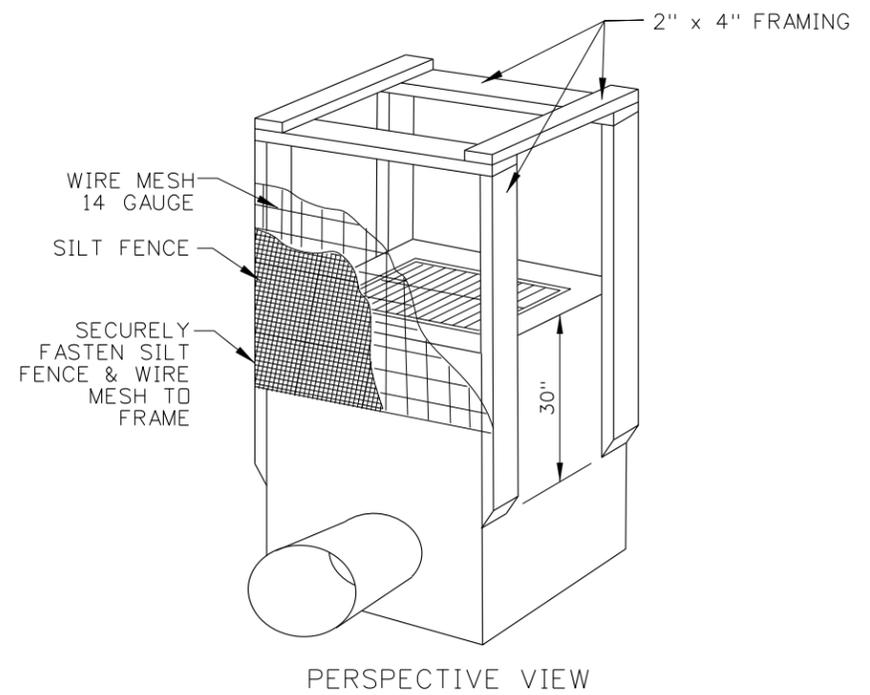
STANDARD DRAWING  
**TEMPORARY EROSION AND SEDIMENT CONTROL**  
 SILT FENCE, FIBER WATTLE, AND COMPOST SOCK  
 REQUIRES STD. DWG. 212-1

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

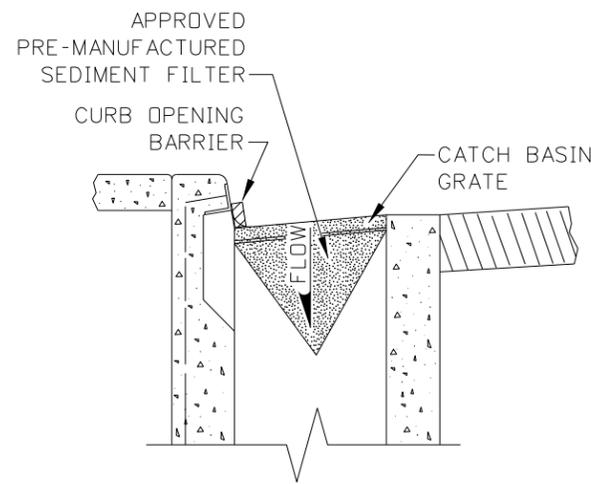
ORIGINAL STORED AT: ITD, Headquarters 3311 West State Boise, Idaho



**FRAMED WIRE/FABRIC FILTER**



**FIBER WATTLE FILTER**



**PRE-MANUFACTURED SEDIMENT FILTER FOR INLET GRATE**

**NOTES**

1. SEE THE GENERAL NOTES FOR EROSION CONTROL STANDARD DRAWINGS ON 212-1.
2. REMOVE TRASH, DEBRIS, DUFF, AND MATERIALS THAT MAY INTERFERE WITH THE INLET OR CATCH BASIN PROTECTION FUNCTION PRIOR TO PLACEMENT AND DAILY THEREAFTER OR AS NEEDED.
3. ADJUST TO ENSURE EFFECTIVENESS.
4. FRAMED WIRE/FABRIC FILTER AND FIBER WATTLE FILTERS ARE INTENDED TO BE USED ON STRUCTURES NOT PRESENTLY SURROUNDED BY PAVEMENT.
5. ENSURE WATER DISCHARGING FROM THE INLET MEETS APPLICABLE WATER QUALITY STANDARDS.
6. USE IN CONJUNCTION WITH OTHER INLET PROTECTION DEVICES, NOT AS THE SOLE BMP. SEE SECTION SC-6 IN THE BMP MANUAL.
7. DRAWING NOT TO SCALE.

REVISIONS								
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	10-10	KEH						
2	10-11	KEH						
3	01-13	RDL						
4	03-21	TWF						

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY  
 CADD FILE NAME: 212-07\_0421.dgn  
 DRAWING DATE: JUNE, 1996

**IDAHO TRANSPORTATION DEPARTMENT**



BOISE IDAHO

ORIGINAL SIGNED BY: KEVIN SABLAN  
 DESIGN/TRAFFIC SERVICES ENGINEER

STANDARD DRAWING  
**TEMPORARY EROSION AND SEDIMENT CONTROL INLET PROTECTION**  
 REQUIRES STD. DWG. 212-1

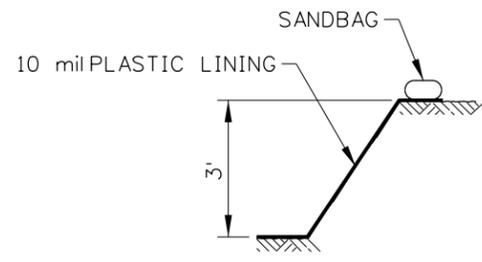
ORIGINAL STORED AT: ITD, Headquarters 3311 West State Boise, Idaho

**English**

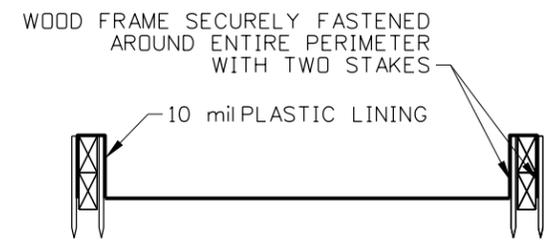
STANDARD DRAWING NO. **212-7**

SHEET 1 OF 1

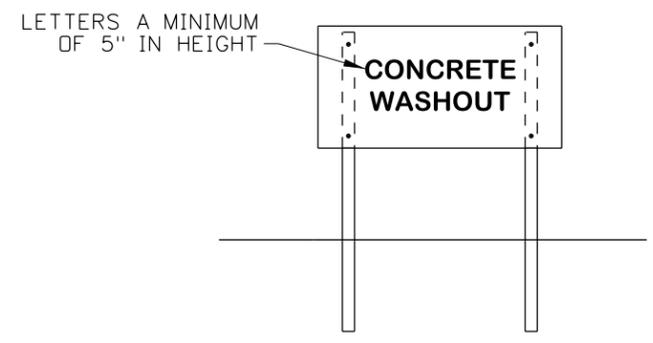




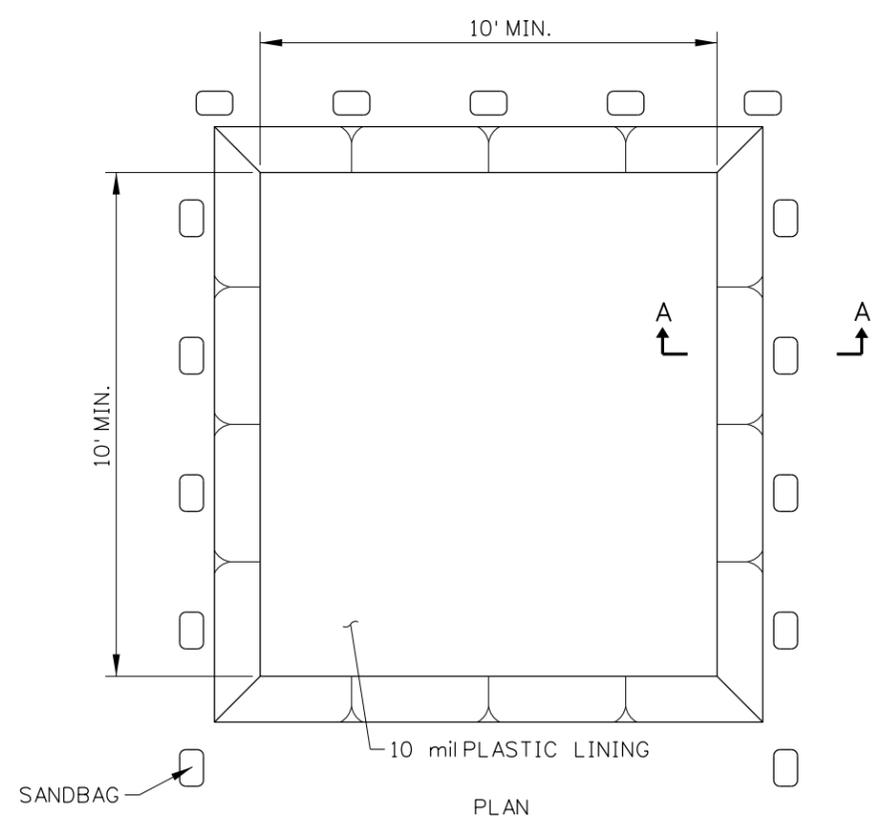
SECTION A-A



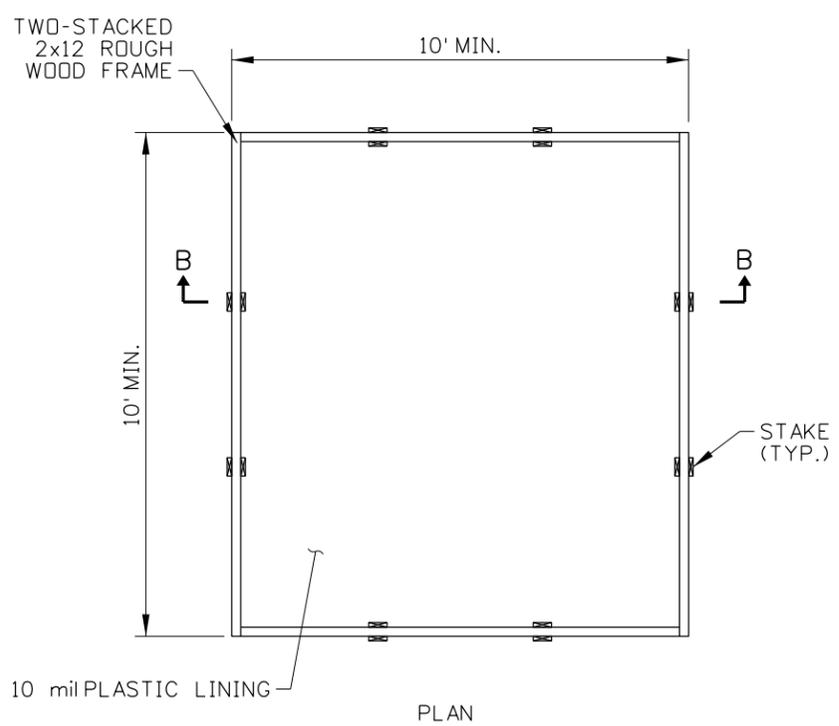
SECTION B-B



CONCRETE WASHOUT SIGN DETAIL  
(SEE NOTE NO. 2)



TYPE BELOW GRADE



TYPE ABOVE GRADE

**NOTES**

1. USE THIS DRAWING IN CONJUNCTION WITH THE ITD BEST MANAGEMENT PRACTICES (BMP) MANUAL.
2. ACTUAL LAYOUT DETERMINED IN THE FIELD
3. INSTALL THE CONCRETE WASHOUT SIGN WITHIN 30 FEET OF THE TEMPORARY CONCRETE WASHOUT FACILITY.
4. USE OF PREFABRICATED TEMPORARY WASHOUT MAY ONLY BE USED ON APPROVAL BY THE ENGINEER.
5. NOT TO SCALE.

REVISIONS								
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	11-13	RDL						

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY  
 CADD FILE NAME: 212-16\_1113.dgn  
 DRAWING DATE: OCTOBER, 2010

**IDAHO TRANSPORTATION DEPARTMENT**



BOISE IDAHO

ORIGINAL SIGNED BY: TOM COLE for  
 HIGHWAYS PROGRAM OVERSIGHT ENGINEER

ORIGINAL SIGNED BY: TOM COLE  
 CHIEF ENGINEER

STANDARD DRAWING

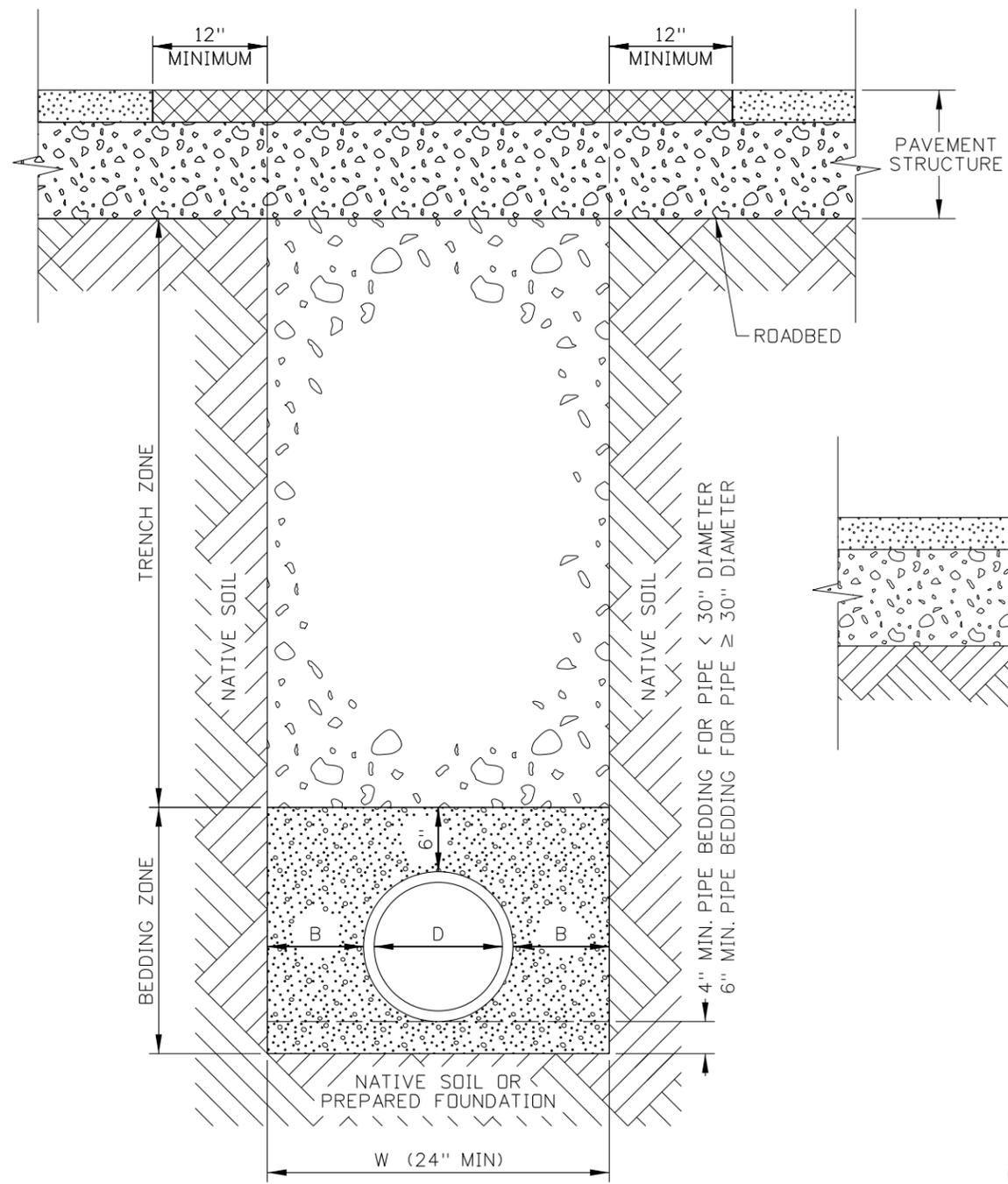
**TEMPORARY CONCRETE WASHOUT**

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

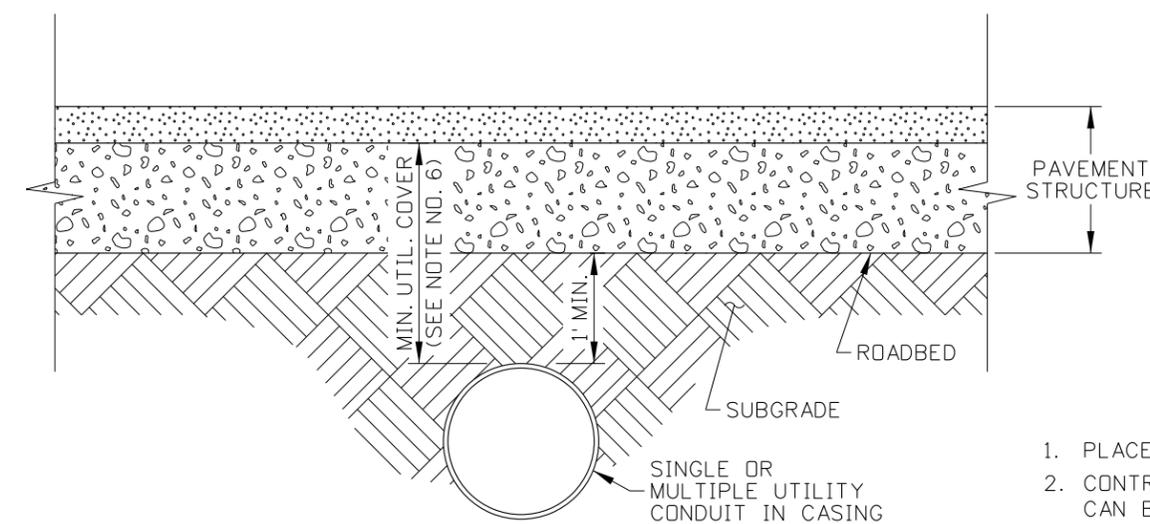
**English**

STANDARD DRAWING NO. 212-16

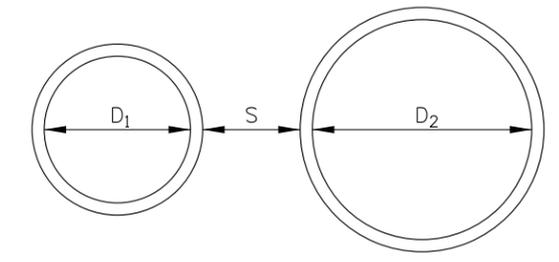
SHEET 1 OF 1



**TRENCHING**



**JACKING, DRIVING, OR BORING**



**MULTIPLE PIPE INSTALLATION DETAIL**  
(SEE NOTE NO. 4)

MATERIALS AND COMPACTION TABLE				
PIPE LOCATION	BEDDING ZONE		TRENCH ZONE	
	MATERIAL REQUIREMENT	COMPACTION REQUIREMENT	MATERIAL REQUIREMENT	COMPACTION REQUIREMENT
INSIDE ROADWAY PRISM	COARSE AGGREGATE FOR CONCRETE SIZE NO. 1, NO. 2A, OR NO. 2B (SUBSECTION 703.02)	ENGINEER ACCEPTANCE	3/4" AGGREGATE FOR BASE (SUBSECTION 703.04) (SEE NOTE NO. 1)	CLASS A COMPACTION (SECTION 205) OR 95% OF IT-74
OUTSIDE ROADWAY PRISM	COARSE AGGREGATE FOR CONCRETE SIZE NO. 1, NO. 2A, OR NO. 2B (SUBSECTION 703.02)	ENGINEER ACCEPTANCE	GRANULAR BORROW OR NATIVE MATERIALS WITH MAXIMUM SIZE OF 6" AND FREE FROM WOOD WASTE OR DELETERIOUS MATERIALS. (SEE NOTE NO. 1)	CLASS D COMPACTION (SECTION 205)

MINIMUM DIMENSION TABLE (SEE NOTE NOS. 3 AND 4)		
D (INCHES)	B (INCHES)	S (INCHES)
≤ 6	10	24
7 TO 15	12	24
16 TO 30	18	24
> 30	24	GREATER OF 24 OR D/2

**NOTES**

1. PLACE MATERIAL IN ACCORDANCE WITH SECTION 210.
2. CONTROLLED DENSITY FILL (CDF) IN ACCORDANCE WITH SECTION 522 CAN BE USED IF APPROVED BY THE ENGINEER.
3. LOOSE LIFT THICKNESS DIRECTLY ON TOP OF PIPE MAY BE INCREASED WITH APPROVAL TO PREVENT DAMAGE TO PIPE DURING COMPACTION.
4. WHEN TWO DIFFERENT DIAMETER PIPES ARE INSTALLED, USE THE LARGER D DIMENSION TO DETERMINE THE S DIMENSION.
5. WHEN THE PIPE DIAMETER IS 36 INCHES OR GREATER AND THE PIPE IS INSTALLED DURING EMBANKMENT CONSTRUCTION, USE B DIMENSION EQUAL TO THE PIPE DIAMETER.
6. PROVIDE THE FOLLOWING MINIMUM COVER DEPTHS:  
 WATER: 4'  
 LIQUID OR GAS PETROLEUM: 4'  
 ELECTRICAL MAIN LINE: 4'  
 COMMUNICATIONS OR ELECTRONICS: 2'  
 UTILITY OWNERS AND LOCAL PUBLIC AGENCIES MAY HAVE DIFFERENT MINIMUM COVER DEPTHS. CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE REQUIRED COVER DEPTHS.
7. PERFORM TRENCHING PER OSHA REQUIREMENTS.
8. DO NOT DISTURB THE INSTALLED PIPE OR CONDUIT, OR LEAVE VOIDS WHEN USING TRENCH BOXES OR SHIELDS.
9. DRAWINGS NOT TO SCALE.

REVISIONS								
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	12-15	RDL	6	03-21	TWF			
2	03-16	RDL						
3	06-17	RDL						
4	06-18	HEB						
5	11-18	TWF						

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY  
 CADD FILE NAME: 601-1\_0421.dgn  
 DRAWING DATE: MAY 2014

**IDAHO TRANSPORTATION DEPARTMENT**



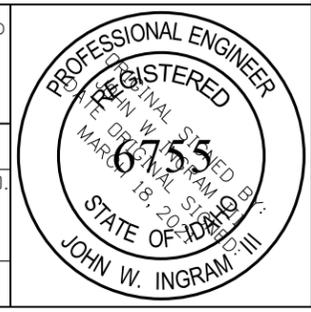
BOISE IDAHO

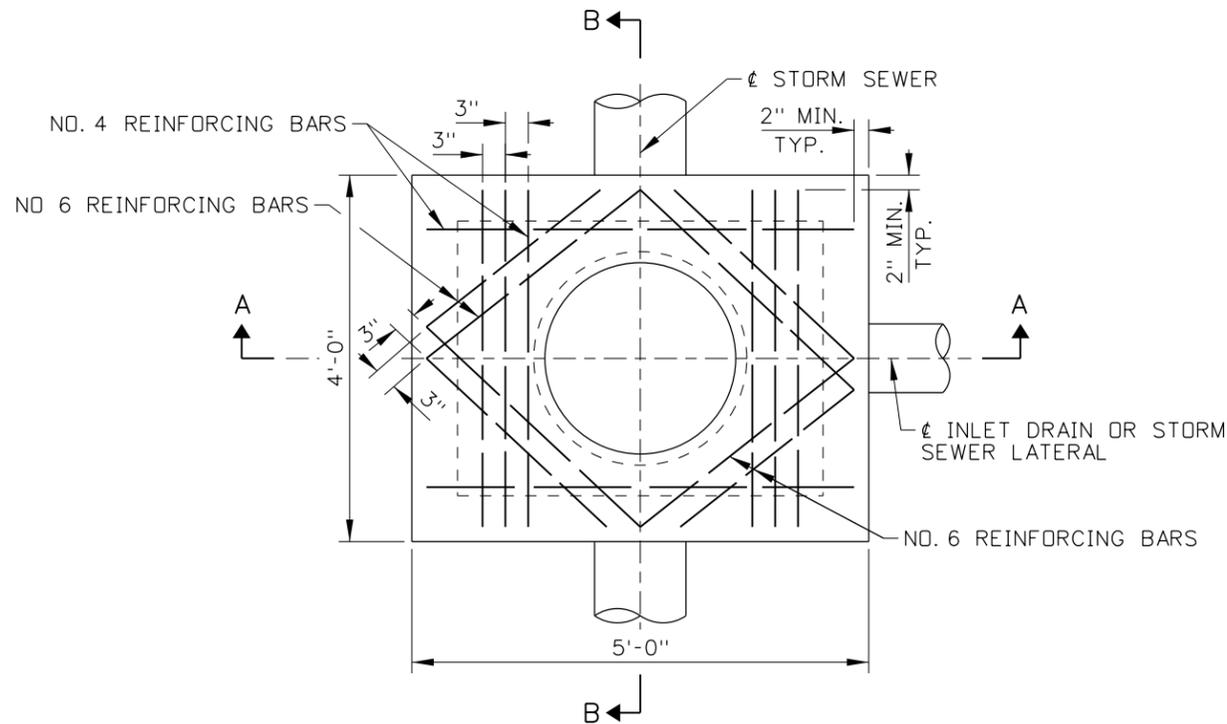
ORIGINAL SIGNED BY: KEVIN SABLAN  
 DESIGN/TRAFFIC SERVICES ENGINEER

STANDARD DRAWING  
**PIPE AND CONDUIT INSTALLATION**

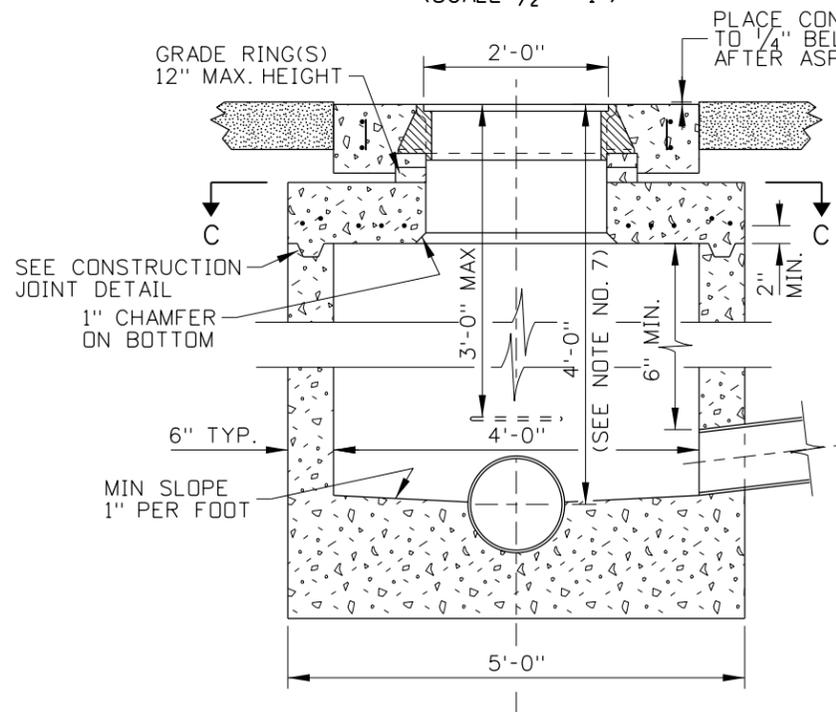
**English**  
 STANDARD DRAWING NO.  
**601-1**  
 SHEET 1 OF 1

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

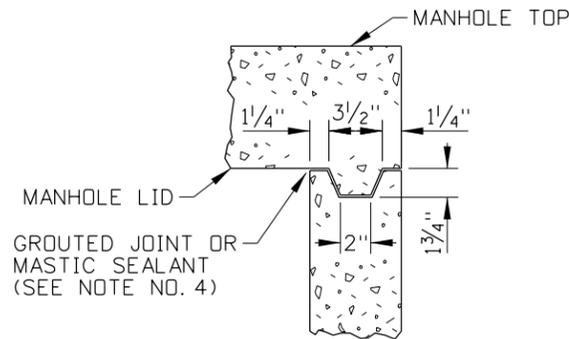




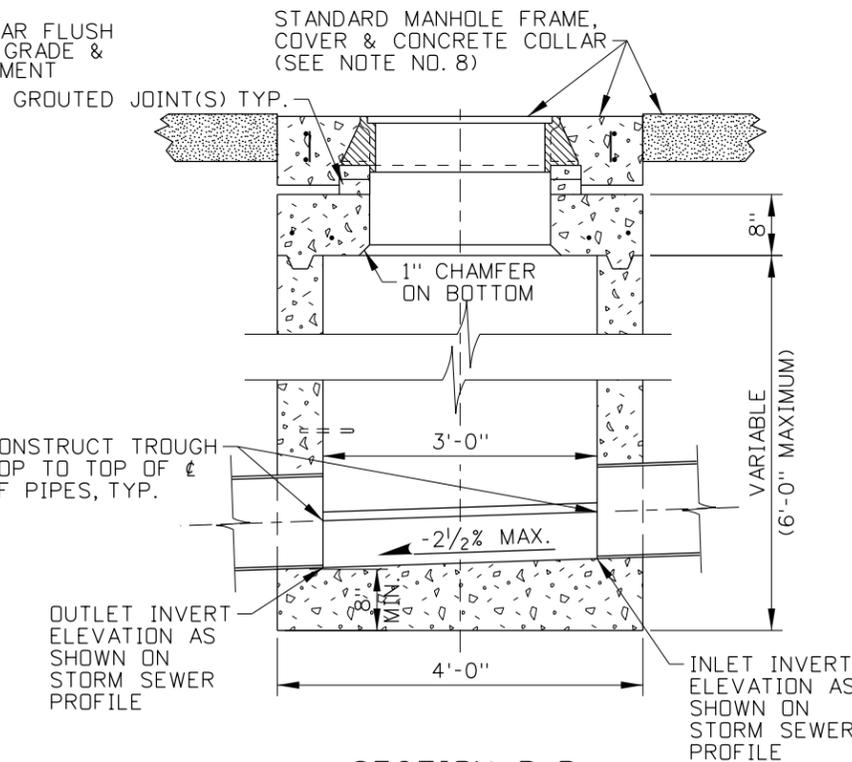
MANHOLE TOP  
SECTION C-C  
(SCALE 1/2" = 1")



SECTION A-A  
(SCALE 1/2" = 1")



CONSTRUCTION JOINT DETAIL  
(NO SCALE)



SECTION B-B  
(SCALE 1/2" = 1")

NOTES

- CARE SHALL BE TAKEN TO AVOID PLACING MANHOLES IN WHEEL PATHS.
- MANHOLE TYPE B MAY BE EITHER PRECAST OR CAST-IN-PLACE. PRECAST MANHOLES SHALL MEET THE REQUIREMENTS OF ASTM C478. PRIOR APPROVAL OF THE SHOP DRAWING WILL BE REQUIRED ON PRECAST UNITS WITH FLOOR AND/OR PIPE OPENINGS.
- CAST-IN-PLACE MANHOLE TYPE B SHALL CONFORM TO SECTION 609 - MINOR STRUCTURES OF THE CURRENT ITD STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION. CAST-IN-PLACE MANHOLES SHALL HAVE 6" WALLS AND MINIMUM 8" FLOORS. THE METAL REINFORCEMENT USED ON THE WALLS AND FLOORS SHALL BE NO. 4 BARS. ALL REINFORCEMENT SHALL HAVE A MINIMUM CONCRETE COVER OF 2" AND/OR 3" IF CAST AGAINST EARTH.
- ALL CONNECTIONS AND BROKEN AREAS SHALL BE GROUTED SMOOTH TO FORM A WATER TIGHT MANHOLE. MASTIC SEALANTS, GASKETS, USED ON PRECAST SECTION(S) CONSTRUCTION JOINT(S) SHALL CONFORM TO AASHTO AND ASTM REQUIREMENTS.
- BENDS IN THE MAIN STORM SEWER SHALL BE MADE BY FORMING CURVED CHANNELS WITHIN THE MANHOLE. THE INSIDE OF THE TOP LATERAL PIPES MAY NOT BE LOWER THAN THE INSIDE TOP OF MAIN SEWER PIPES. WHEN THE INVERT OF THE LATERAL PIPE FALLS BELOW THE 1" PER FOOT MINIMUM SLOPE LINE, THE CHANNEL SHALL BE FORMED FROM THE LATERAL PIPE TO THE MAIN SEWER.
- THE CONCRETE MANHOLE LIDS SHALL BE DESIGNED FOR AASHTO H-25 LIVE LOADS.
- WHEN MANHOLE DEPTH IS GREATER THAN 4'-0" INSTALL MANHOLE STEP(S), THE NORMAL STEP-TO-STEP SPACING IS 12" AND THE STEP PROTRUDES FROM THE MANHOLE WALL 4".
- USE OF A PLASTIC MANHOLE FRAME SUPPORT, I. E. WHIRLY-GIG OR COMPARABLE DEVICE IS AN ACCEPTABLE CONSTRUCTION OPTION (FOR FURTHER INFORMATION REFER TO STANDARD DRAWING 605-13).
- STANDARD DRAWING 605-13 SHALL ACCOMPANY THIS DRAWING.

REVISIONS							
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE
1	03-64		6	09-04	MSM		
2	04-71		7	05-07	MSM		
3	05-71						
4	12-92	MSM					
5	11-01	MSM					

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY  
CADD FILE NAME: 605-11\_0507.dgn  
DRAWING DATE: JUNE, 1961

**IDAHO TRANSPORTATION DEPARTMENT**



BOISE IDAHO

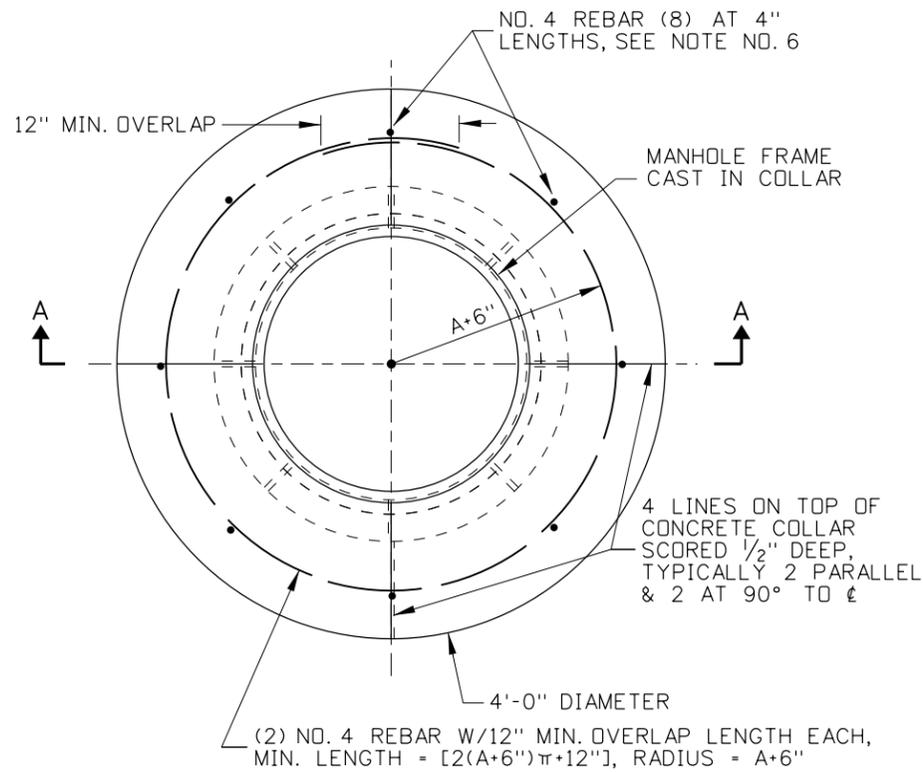
ORIGINAL SIGNED BY: LOREN THOMAS  
ASSISTANT CHIEF ENGINEER (DEVELOPMENT)  
ORIGINAL SIGNED BY: STEVEN HUTCHINSON  
CHIEF ENGINEER

STANDARD DRAWING  
**MANHOLE TYPE B**  
REQUIRES STD. DWG. 605-13

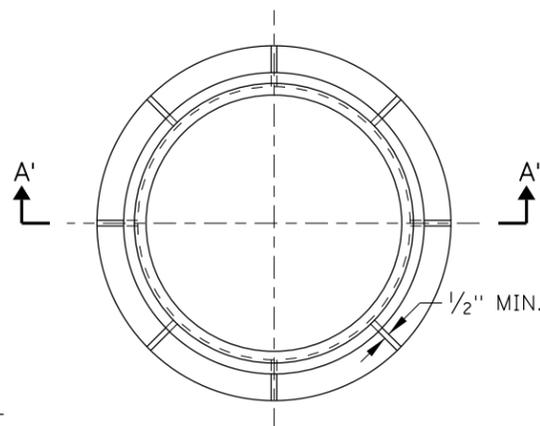
ORIGINAL STORED AT: ITD, Headquarters 3311 West State Boise, Idaho

**English**  
STANDARD DRAWING NO. **605-11**  
SHEET 1 OF 1



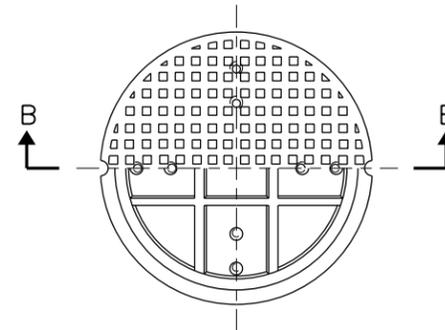


CONCRETE COLLAR PLAN



FRAME PLAN

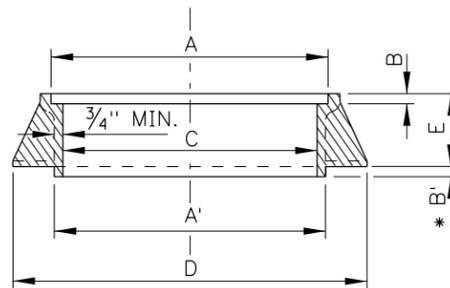
COVER PLAN - TOP HALF VIEW



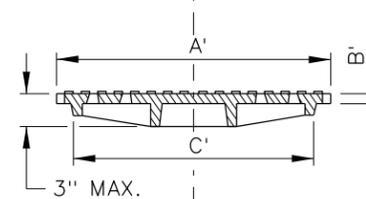
COVER PLAN - BOTTOM HALF VIEW

STANDARD MANHOLE FRAME BASIC DIMENSIONS	
A	24 1/8"
B	1"
C	21" MIN.
D	31" MIN.
E	5"
STANDARD MANHOLE COVER BASIC DIMENSIONS	
A'	23 7/8"
* B'	1"
C'	20"

\* B' MANHOLE FRAME BOTTOM TO FIT INSIDE ANOTHER FRAME LID OPENING



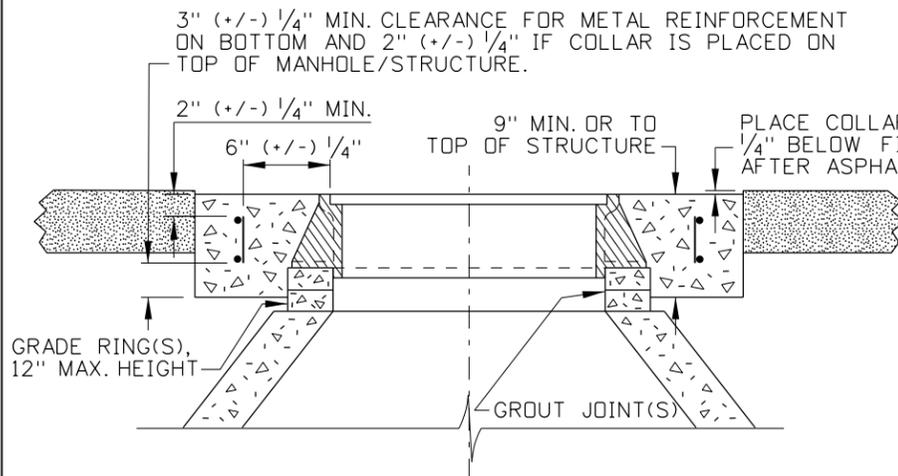
SECTION A-A



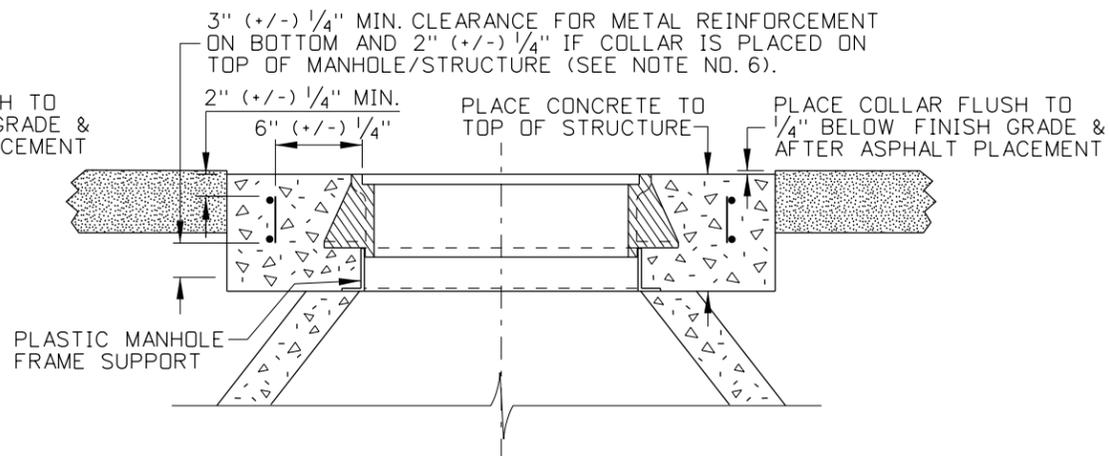
SECTION B-B

NOTES

1. THE MINIMUM WEIGHT OF THE FRAMES SHALL BE 150LBS. AND THE MINIMUM WEIGHT OF COVERS SHALL BE 110LBS. THESE FRAMES AND COVERS ARE TO BE USED IN ALL TRAFFIC AND NON-TRAFFIC AREAS.
2. FRAMES AND COVERS SHALL CONFORM TO AASHTO M 306-05 AND SHALL BE MADE OF CLASS 35B GRAY IRON.
3. THE LAYOUT AND DIMENSIONS OF THE WEBS ARE TYPICAL MINIMUMS. PROPRIETARY MANHOLE COVERS WITHOUT WEBS ARE ACCEPTABLE PROVIDED THEY MEET AASHTO M 306-05 AND MINIMUM WEIGHT REQUIREMENTS. ALL COVER DESIGNS SHALL BE PROVIDED WITH AN ANTI-SHIFT SKIRT THAT EXTENDS A MINIMUM OF 1" BELOW THE COVER SEAT.
4. THE SURFACE SHOWN IS FOR ILLUSTRATION ONLY. ANY SURFACE DESIGN, OTHER THAN SMOOTH, MAY BE USED UPON APPROVAL.
5. A CAST-IN-PLACE CONCRETE COLLAR SHALL BE PLACED AROUND THE MANHOLE FRAME UNLESS OTHERWISE DIRECTED. THE CONCRETE COLLAR SHALL MEET THE REQUIREMENTS OF SECTION 609 - MINOR STRUCTURES, OF THE CURRENT ITD STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
6. THE CONCRETE COLLAR SHALL BE PLACED TO THE TOP OF THE MANHOLE/STRUCTURE OR HAVE A MINIMUM THICKNESS OF 9". WHEN THE CONCRETE COLLAR IS PLACED ON TOP OF A MANHOLE/STRUCTURE THE THICKNESS SHALL NOT BE LESS THAN THE "F DIMENSION" OF THE FRAME. THE VERTICAL METAL REINFORCEMENT LENGTHS MAY BE ADJUSTED WHEN THE COLLAR IS PLACED ON TOP OF A STRUCTURE/MANHOLE.
7. USE OF A PLASTIC MANHOLE FRAME SUPPORT, I.E. WHIRLY-GIG OR COMPARABLE DEVICE, IS AN ACCEPTABLE CONSTRUCTION OPTION.
8. NOT TO SCALE.



MANHOLE FRAME SUPPORTED WITH CONC. COLLAR RINGS (SEE NOTE NO. 6)



PLASTIC MANHOLE FRAME SUPPORT (SEE NOTE NO. 7)

SECTION A-A

REVISIONS							
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE
1	06-61	NS	6	10-05	MSM		
2	02-74		7	06-07	MSM		
3	12-92	MSM	8	09-10	PLR		
4	05-95	MSM					
5	11-01	MSM					

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY  
 CADD FILE NAME: 605-13\_1010.dgn  
 DRAWING DATE: JUNE, 1961

IDAHO TRANSPORTATION DEPARTMENT



BOISE IDAHO

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

STANDARD DRAWING

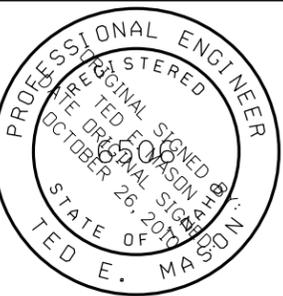
MANHOLE FRAME, COVER, & CONCRETE COLLAR

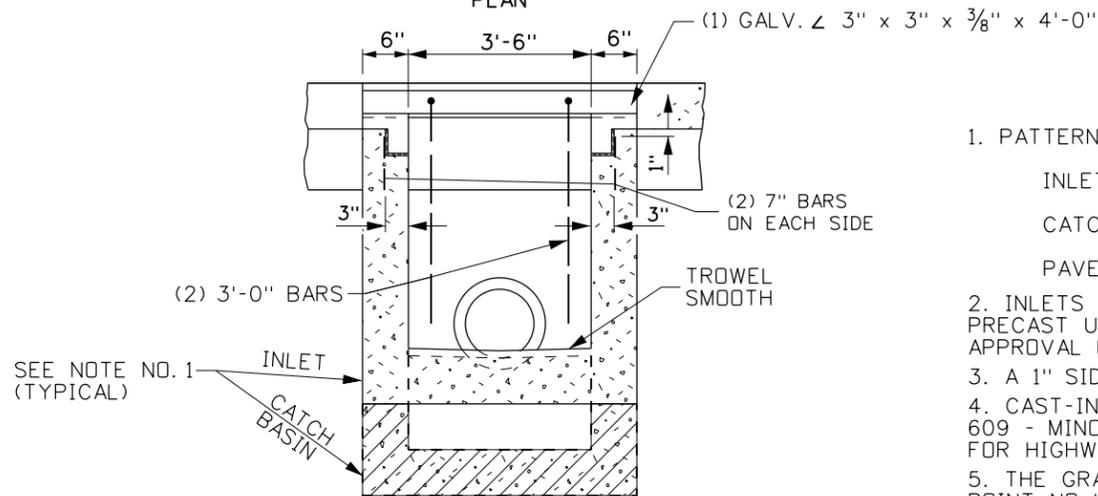
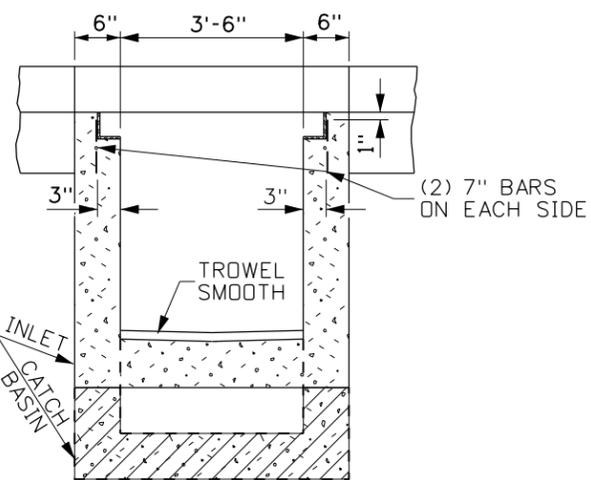
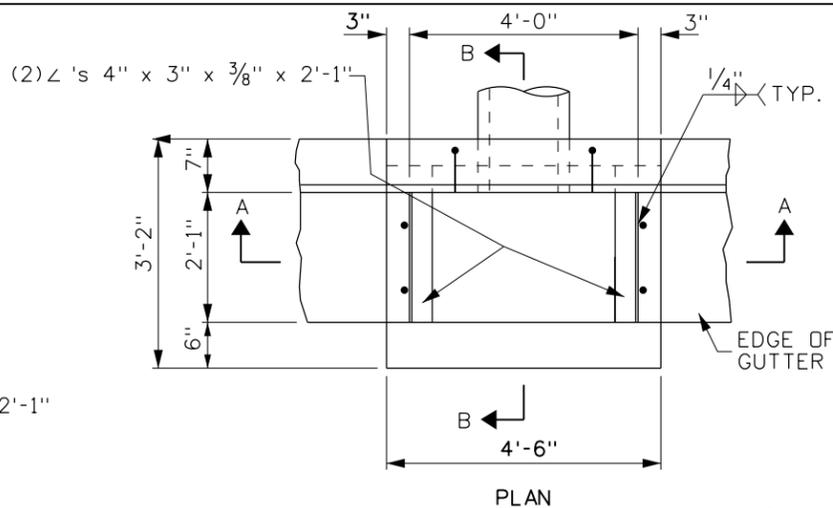
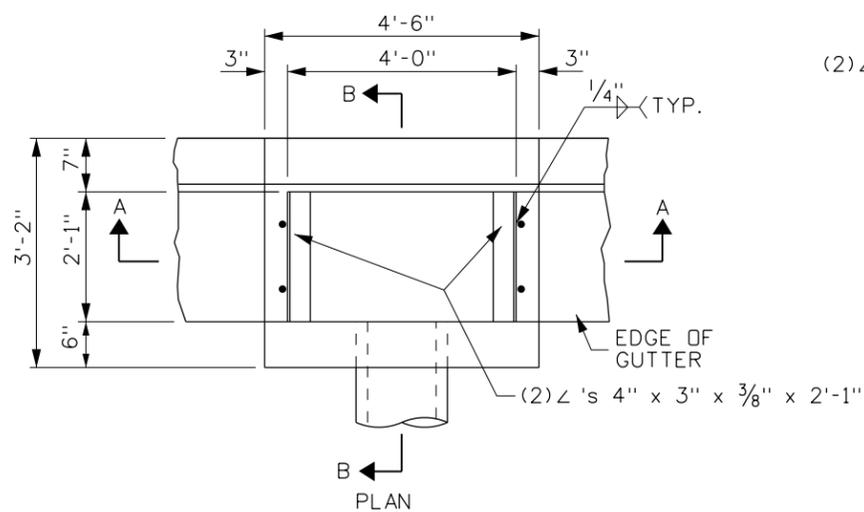
English

STANDARD DRAWING NO. 605-13

SHEET 1 OF 1

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





**NOTES**

1. PATTERNS USED IN DRAWING:

INLET SECTIONS:



CATCH BASIN BOTTOMS:



PAVEMENT:



2. 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.)

3. A 1" SIDE DRAFT IS ALLOWED FOR FORM REMOVAL.

4. CAST-IN-PLACE INLETS AND CATCH BASINS SHALL CONFORM TO SECTION 609 - MINOR STRUCTURES OF THE CURRENT ITD STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.

5. 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.

6. PIPES CAN ENTER OR LEAVE THE BOX IN ANY DIRECTION. ALL CONNECTIONS AND BROKEN AREAS SHALL BE GROUTED SMOOTH.

7. 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.

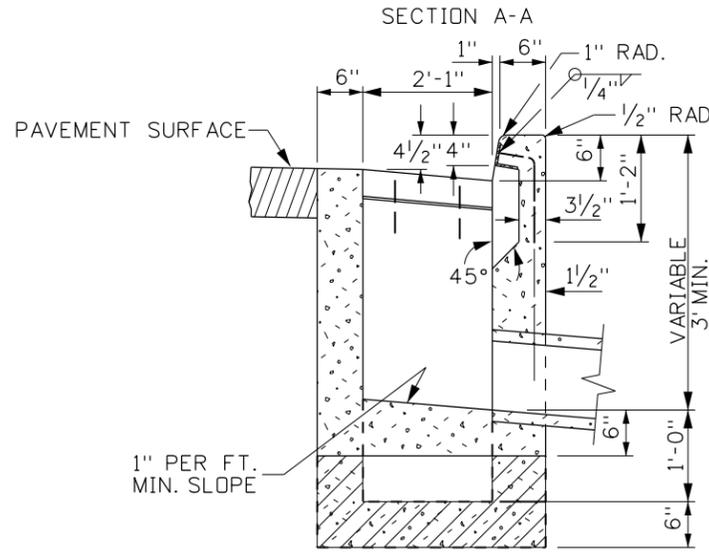
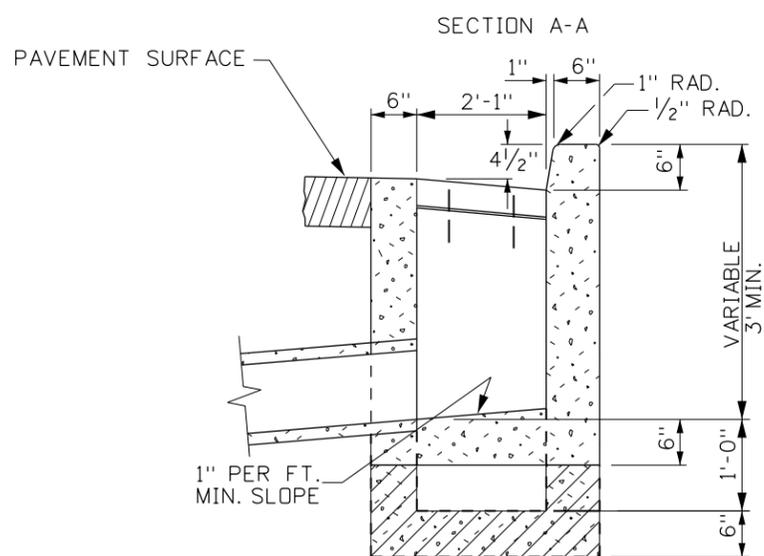
8. ALL METAL REINFORCEMENT USED SHALL BE NO. 4 BARS. THE METAL REINFORCEMENT SHALL BE SMOOTH CUT TO ACCOMMODATE PIPES.

9. 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.

10. INLET/CATCH BASIN GRATES MAY EITHER BE RESISTANCE WELDED OR ARC WELDED. IN EITHER CASE THE GRATE SHALL BE TRUE AND FLUSH.

11. GRATE B WILL BE USED ONLY WHEN SPECIFIED.

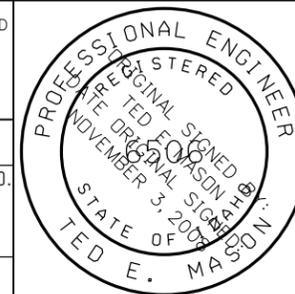
12. NOT TO SCALE.



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

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

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



REVISIONS							
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE
1	04-82		6	11-04	MSM		
2	01-89		7	11-08	JRV		
3	12-94	MSM					
4	06-97	MSM					
5	03-01	MSM					

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY  
CADD FILE NAME: 605-21\_1108.dgn  
DRAWING DATE: OCTOBER, 1980

**IDAHO TRANSPORTATION DEPARTMENT**



BOISE IDAHO

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

STANDARD DRAWING

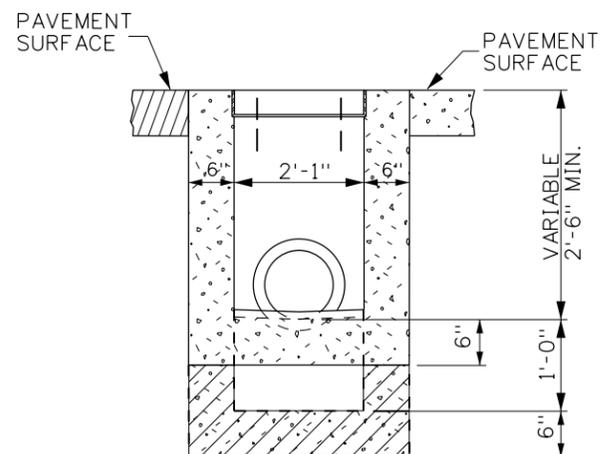
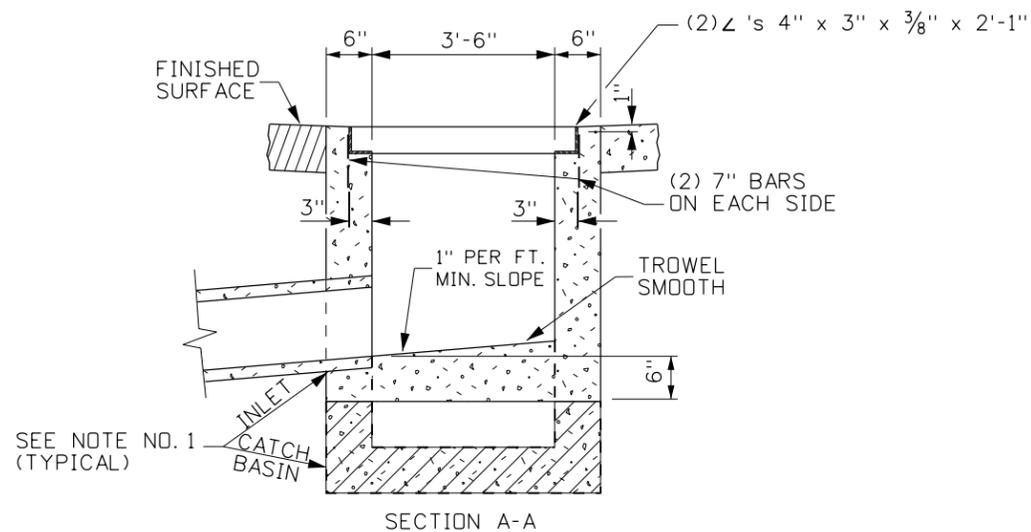
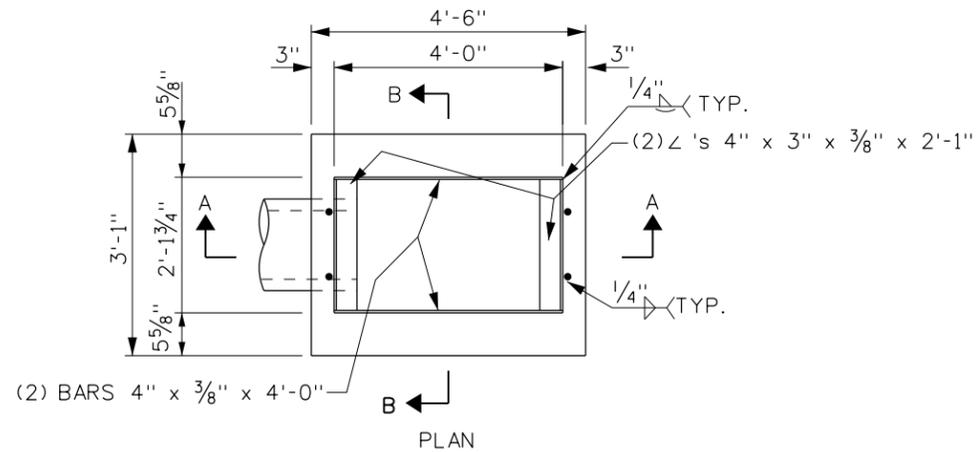
**INLETS & CATCH BASINS  
TYPES 1A, 2A, & 3A**

**English**

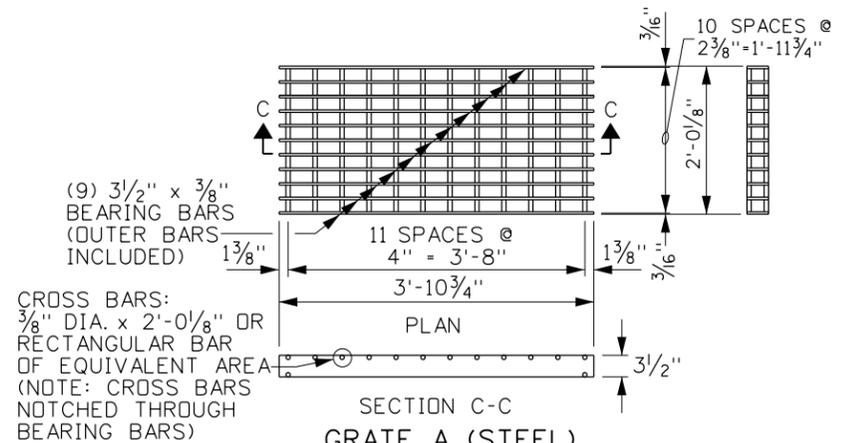
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**605-21**

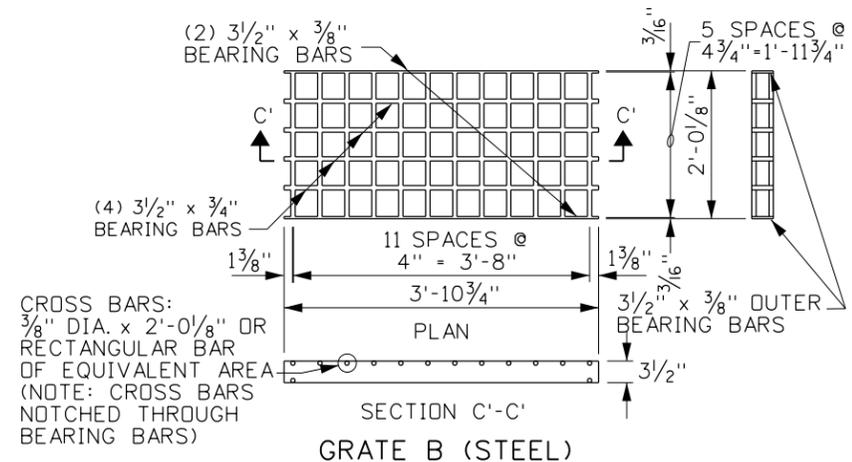
SHEET 1 OF 2



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



(WEIGHT : APPROXIMATELY 202 LBS., SEE NOTE 9 & 10)



(WEIGHT : APPROXIMATELY 185 LBS., SEE NOTE 9 & 10)

REVISIONS							
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE
1	04-82		6	11-04	MSM		
2	01-89		7	11-08	JRV		
3	12-94	MSM					
4	06-97	MSM					
5	03-01	MSM					

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY

CADD FILE NAME: 605-21\_1108.dgn

DRAWING DATE: OCTOBER, 1980

IDAHO TRANSPORTATION DEPARTMENT

BOISE IDAHO

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

ORIGINAL SIGNED BY: TOM COLE  
CHIEF ENGINEER

STANDARD DRAWING

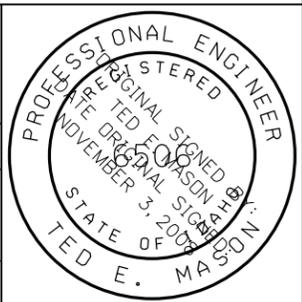
INLETS & CATCH BASINS  
TYPES 1A, 2A, & 3A

English

STANDARD DRAWING NO. 605-21

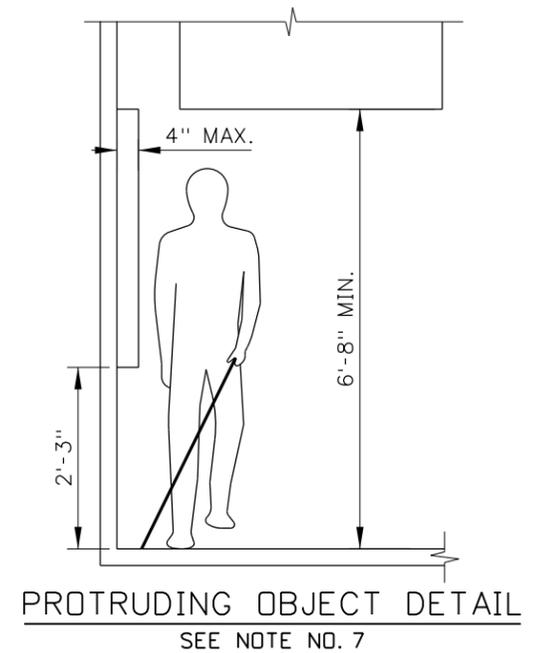
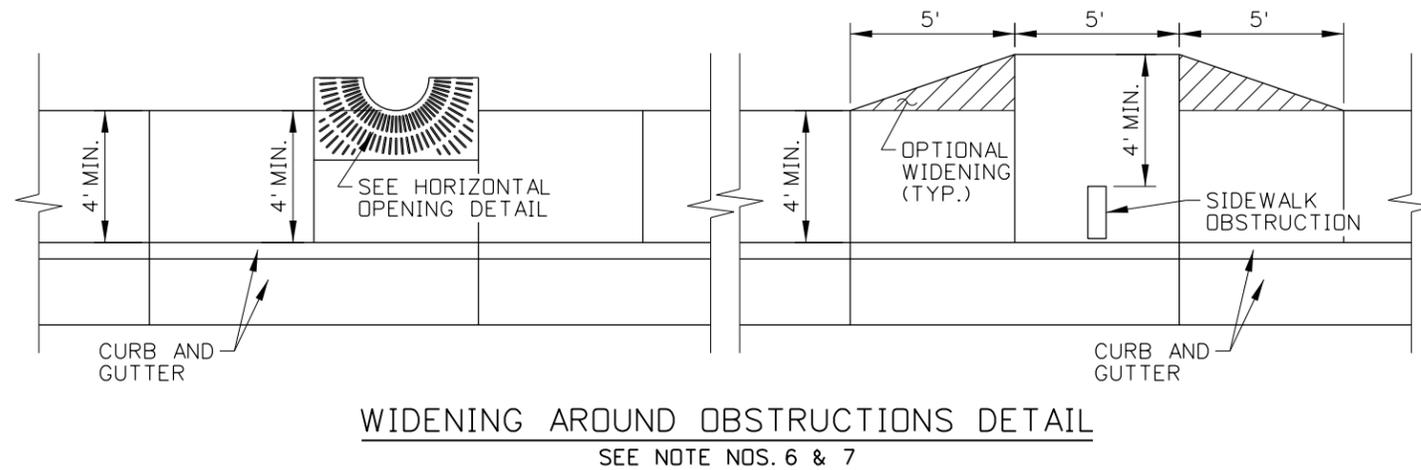
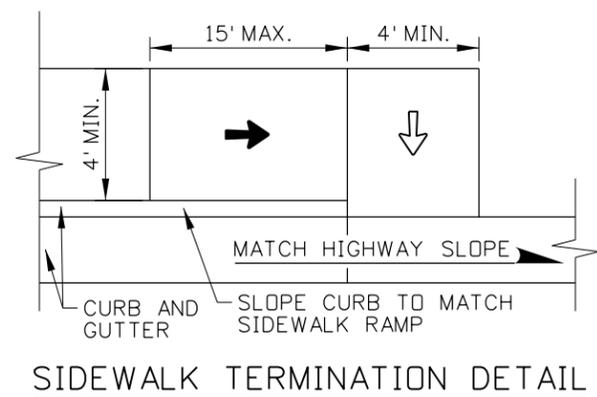
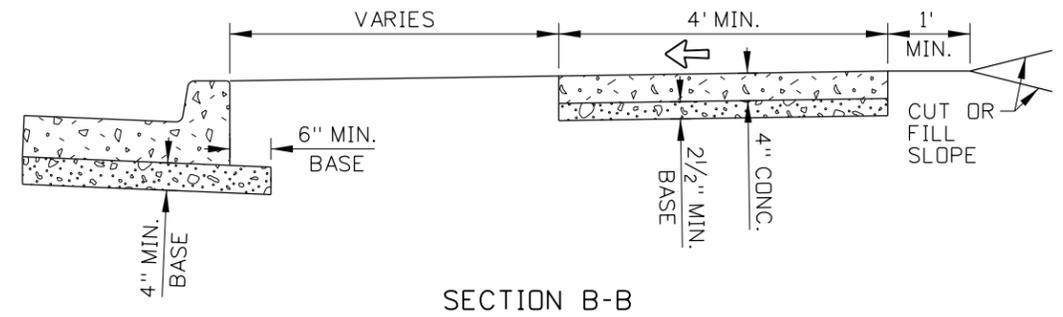
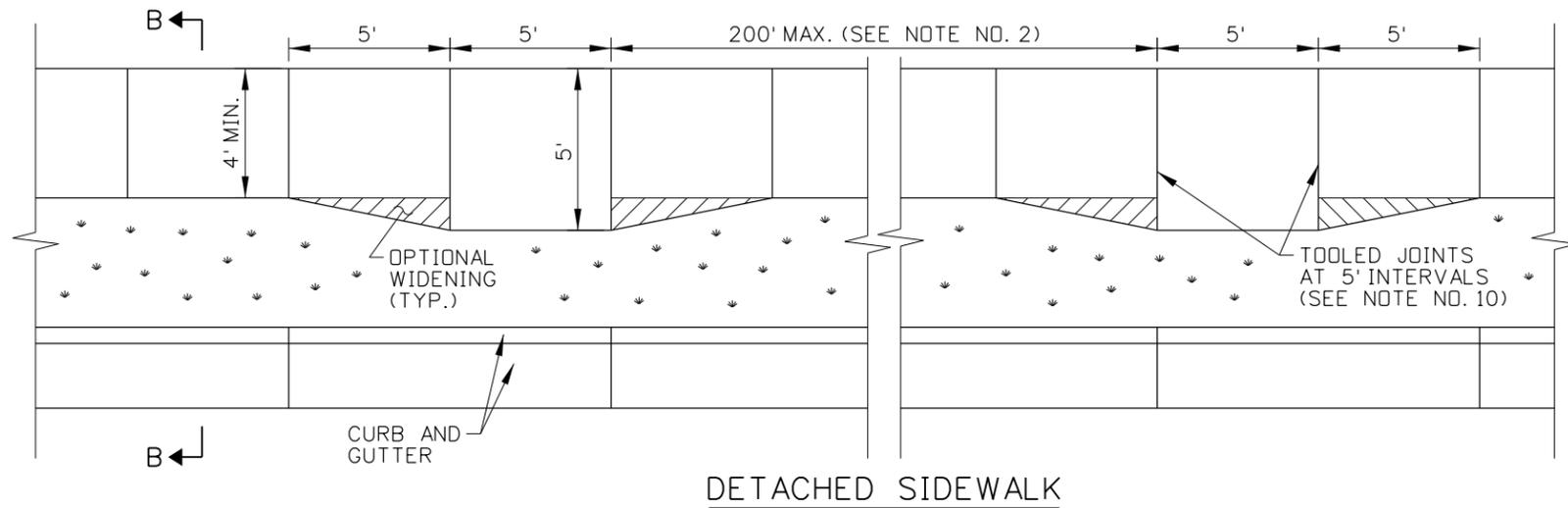
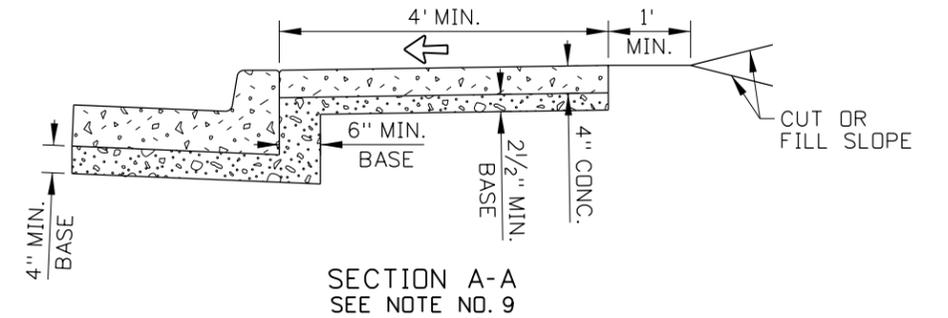
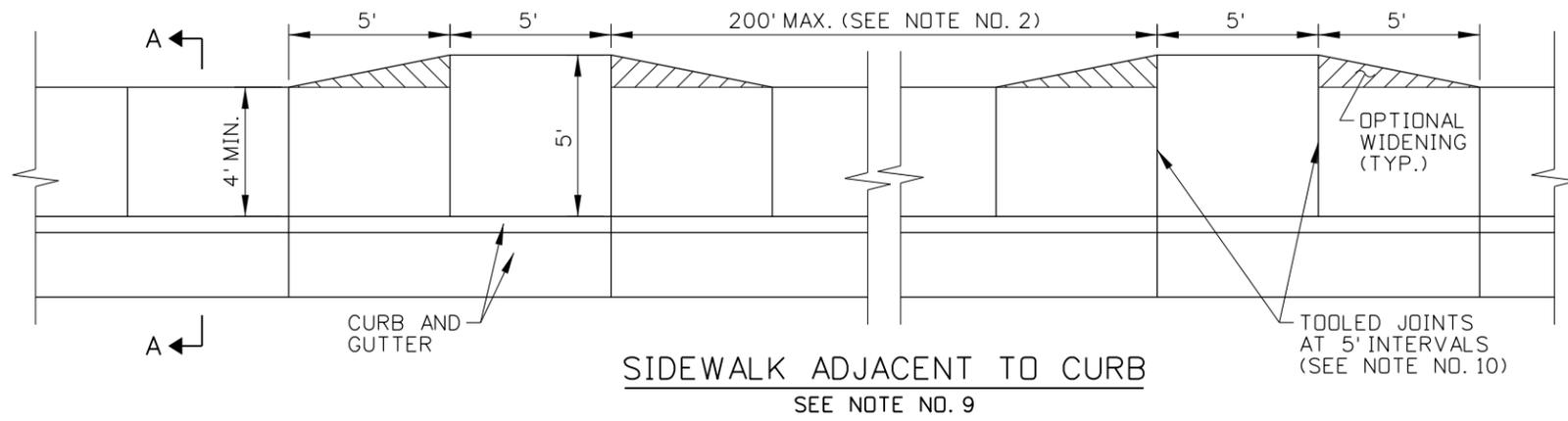
SHEET 2 OF 2

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



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

REVISIONS							
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY  
CADD FILE NAME: 614-1\_0615.dgn  
DRAWING DATE: MAY, 2015

**IDAHO TRANSPORTATION DEPARTMENT**



BOISE IDAHO

ORIGINAL SIGNED BY: KEVIN SABLAN  
DESIGN/TRAFFIC SERVICES ENGINEER

STANDARD DRAWING  
**SIDEWALKS**

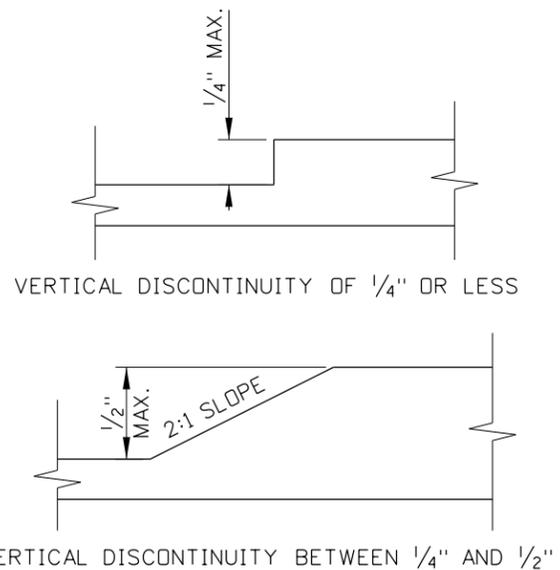
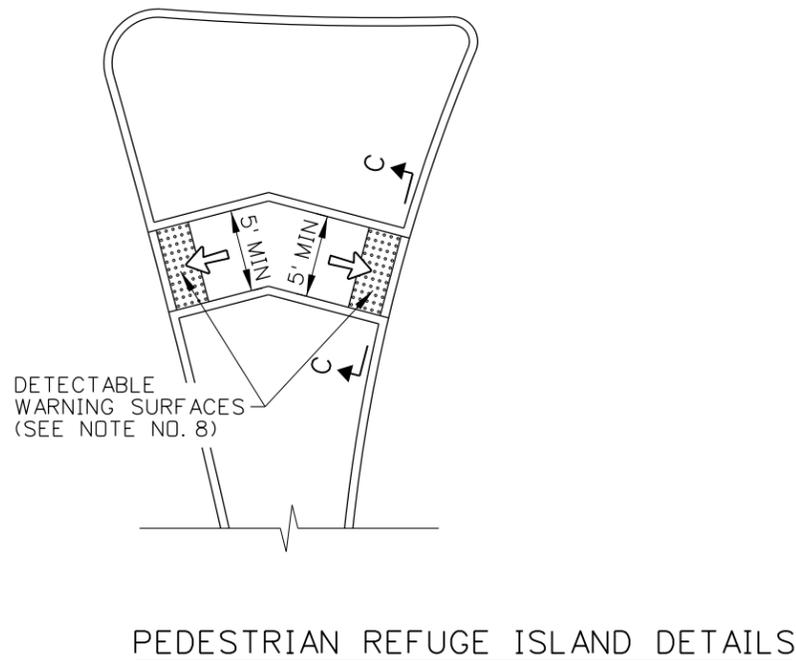
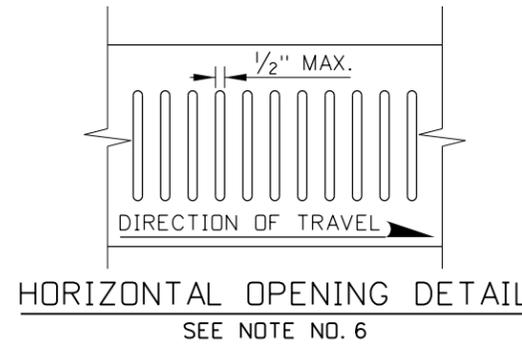
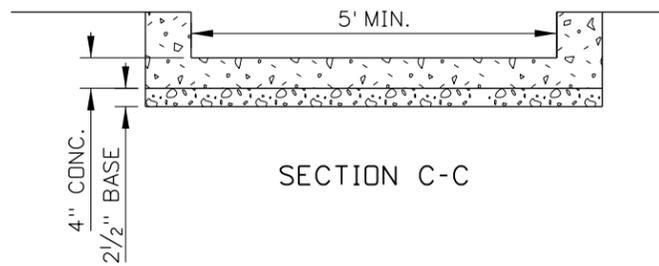
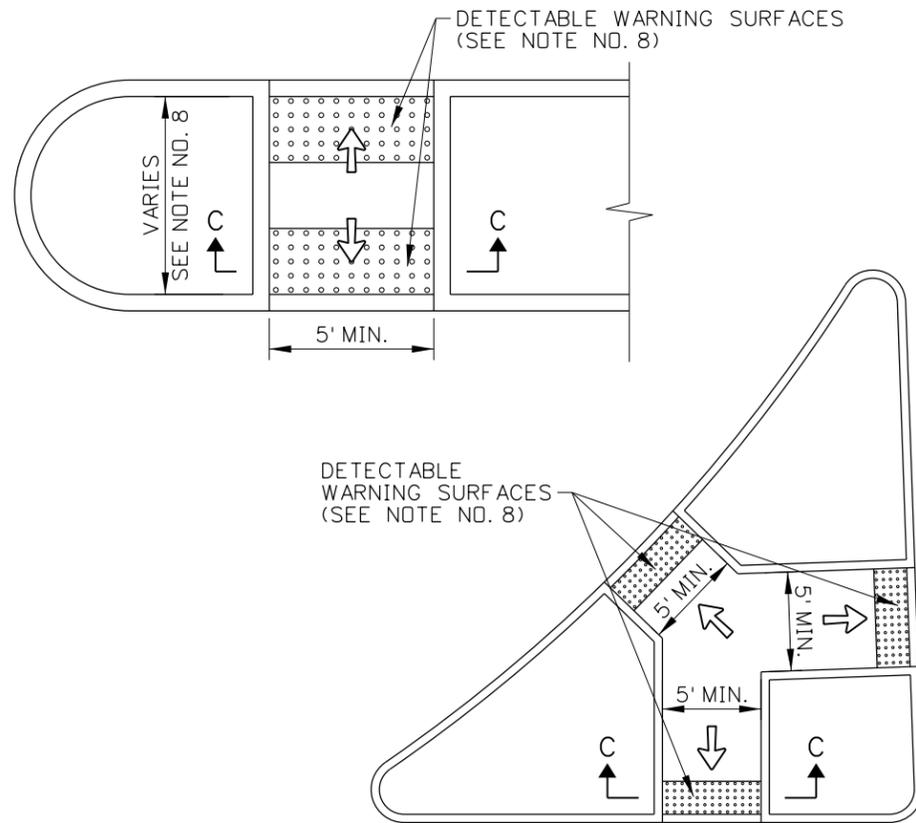
**English**  
STANDARD DRAWING NO.  
**614-1**  
SHEET 1 OF 2

**SYMBOL LEGEND**

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

**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" AND 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. ALIGN CURB AND SIDEWALK JOINTS. CONSTRUCT JOINTS AT 5' INTERVALS THAT ARE APPROXIMATELY 1/8" WIDE AND 3/4" IN DEPTH. CONSTRUCT A LONGITUDINAL JOINT WHEN THE SIDEWALK IS 8' WIDE OR WIDER. INSTALL A PREFORMED EXPANSION JOINT FILLER EVERY 40'.
11. DRAWING NOT TO SCALE.



REVISIONS							
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY

CADD FILE NAME: 614-1\_0615.dgn

DRAWING DATE: MAY, 2015

**IDAHO TRANSPORTATION DEPARTMENT**



BOISE IDAHO

ORIGINAL SIGNED BY: KEVIN SABLAN  
DESIGN/TRAFFIC SERVICES ENGINEER

STANDARD DRAWING

**SIDEWALKS**

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

**English**

STANDARD DRAWING NO. 614-1

SHEET 2 OF 2

PROFESSIONAL ENGINEER

RYAN D. LANCASTER

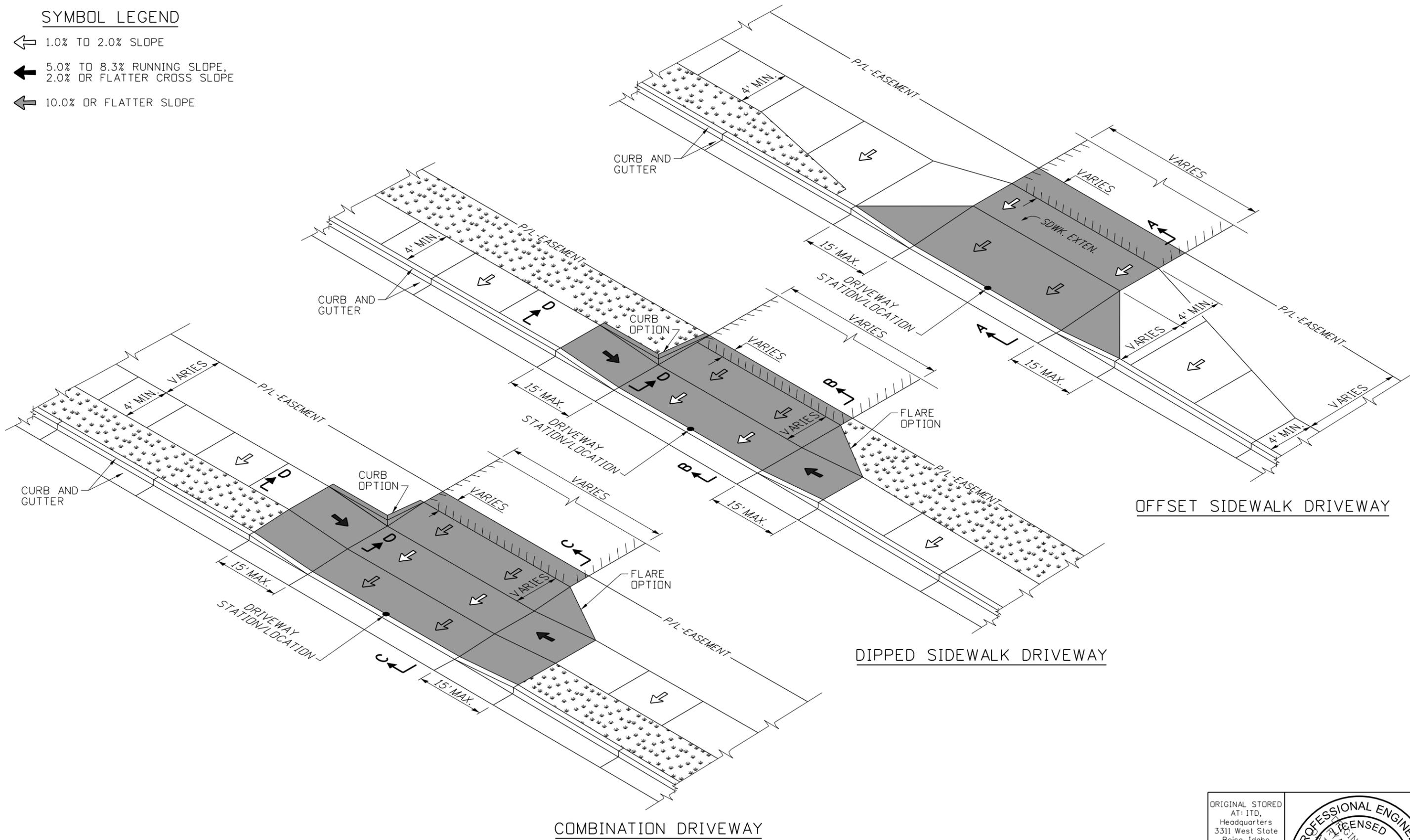
13683

JUN 15, 2018

STATE OF 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**

**DIPPED SIDEWALK DRIVEWAY**

**COMBINATION DRIVEWAY**

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						

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY  
 CADD FILE NAME: 614-2\_0615.dgn  
 DRAWING DATE: APRIL, 1990

**IDAHO TRANSPORTATION DEPARTMENT**



BOISE IDAHO

ORIGINAL SIGNED BY: KEVIN SABLAN  
 DESIGN/TRAFFIC SERVICES ENGINEER

STANDARD DRAWING

**DRIVEWAYS**

**English**

STANDARD DRAWING NO.

**614-2**

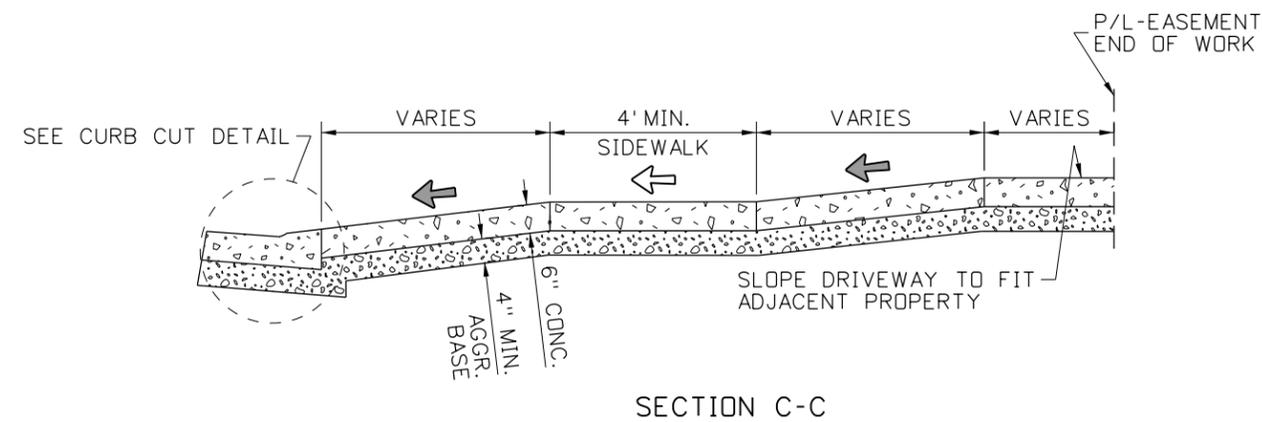
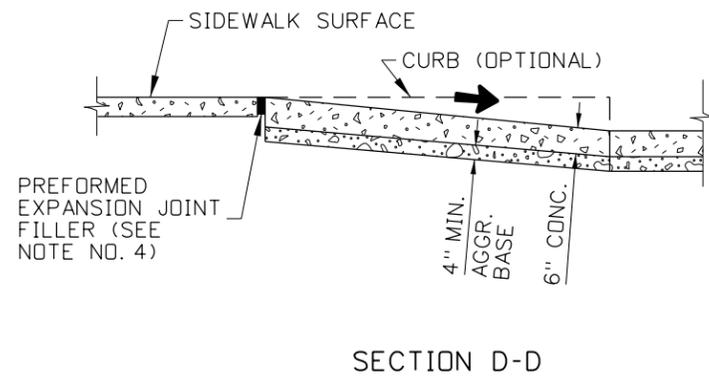
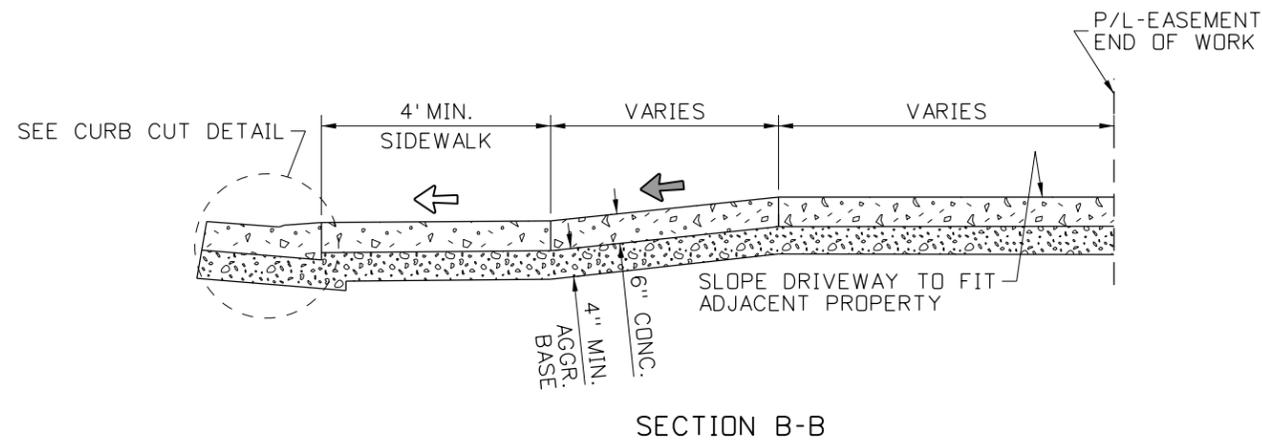
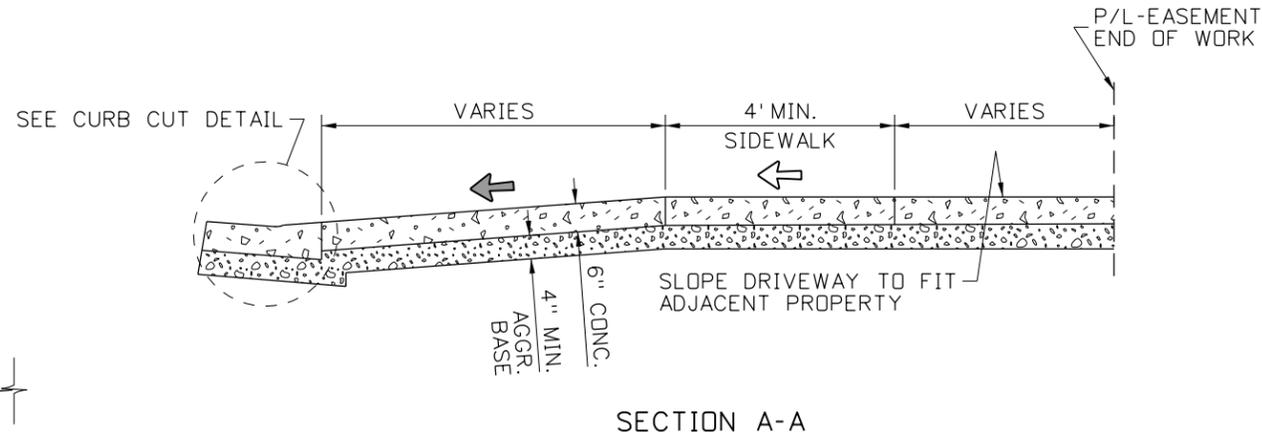
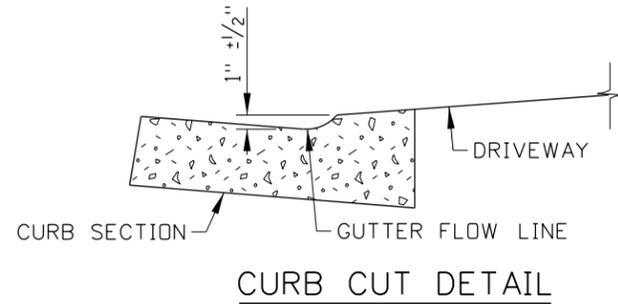
SHEET 1 OF 2

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



**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. ALIGN ALTERNATING CURB AND SIDEWALK JOINTS. CONSTRUCT DRIVEWAY AND SIDEWALK JOINTS AT 5' INTERVALS THAT ARE APPROXIMATELY 1/8" WIDE AND 3/4" IN DEPTH.
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						

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY

CADD FILE NAME: 614-2\_0615.dgn

DRAWING DATE: APRIL, 1990

**IDAHO TRANSPORTATION DEPARTMENT**



BOISE IDAHO

STANDARD DRAWING

**DRIVEWAYS**

ORIGINAL SIGNED BY: KEVIN SABLAN  
DESIGN/TRAFFIC SERVICES ENGINEER

STANDARD DRAWING NO. **614-2**

SHEET 2 OF 2

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

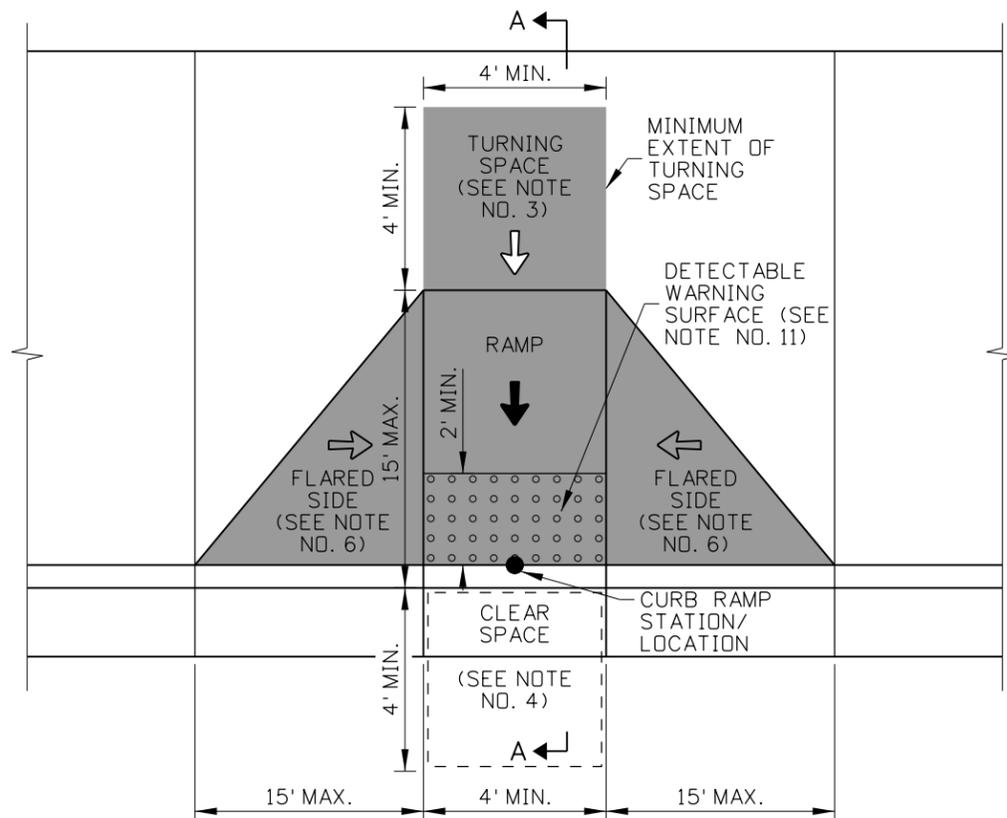
**English**

PROFESSIONAL ENGINEER

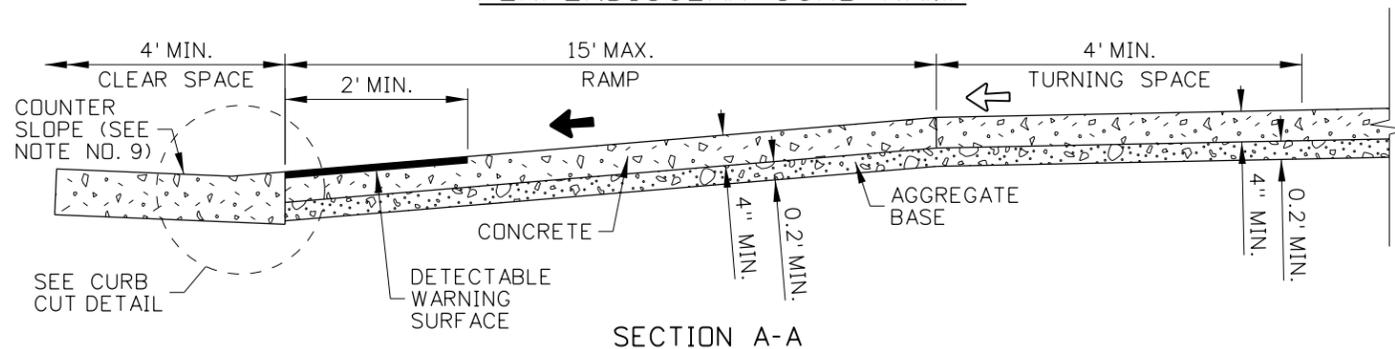
RYAN D. LANCASTER

13683

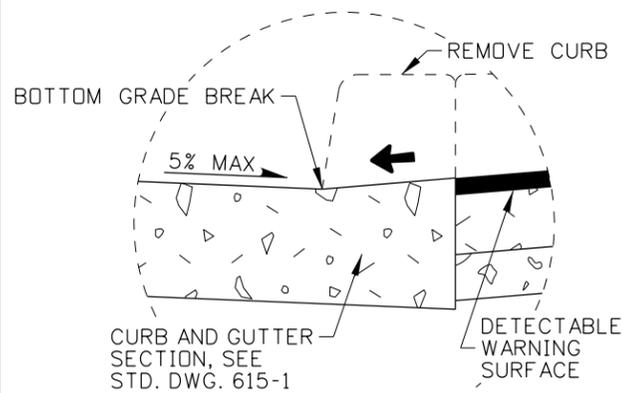
STATE OF IDAHO



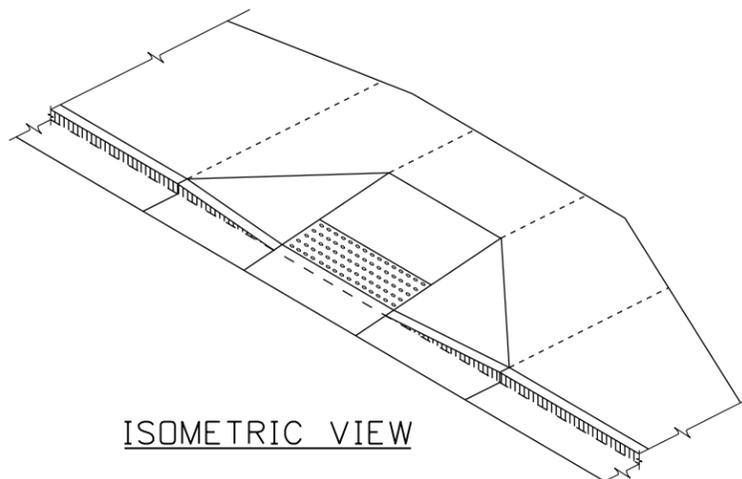
PERPENDICULAR CURB RAMP



SECTION A-A



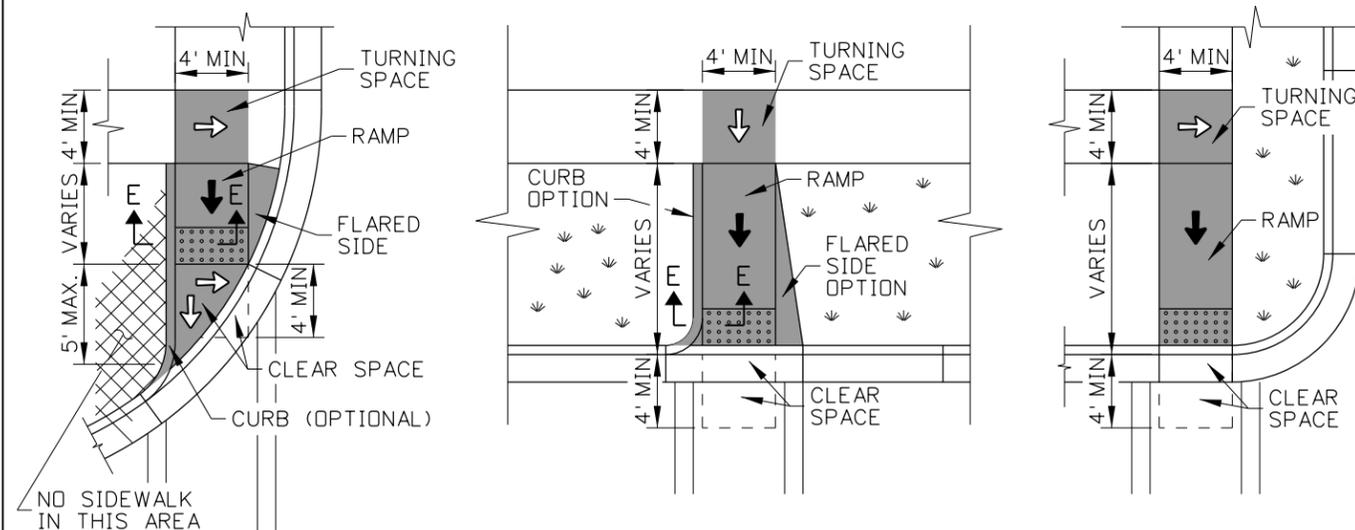
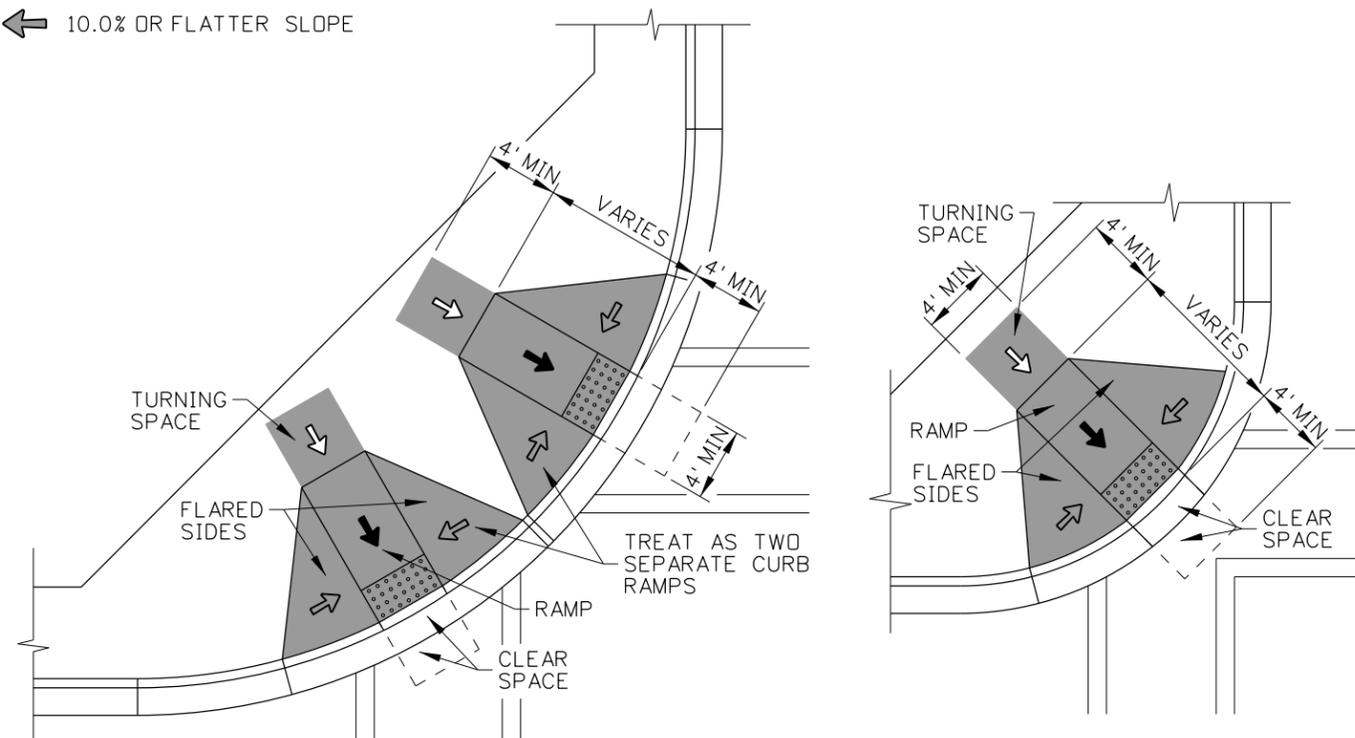
CURB CUT DETAIL



ISOMETRIC VIEW

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

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

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

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY  
 CADD FILE NAME: 614-3\_0615.dgn  
 DRAWING DATE: JUNE, 1990

IDAHO TRANSPORTATION DEPARTMENT



BOISE IDAHO

ORIGINAL SIGNED BY: KEVIN SABLAN  
 DESIGN/TRAFFIC SERVICES ENGINEER

STANDARD DRAWING

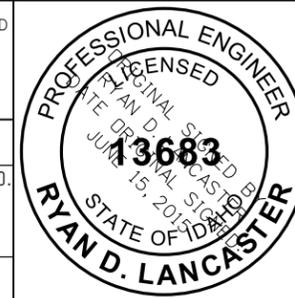
CURB RAMPS

English

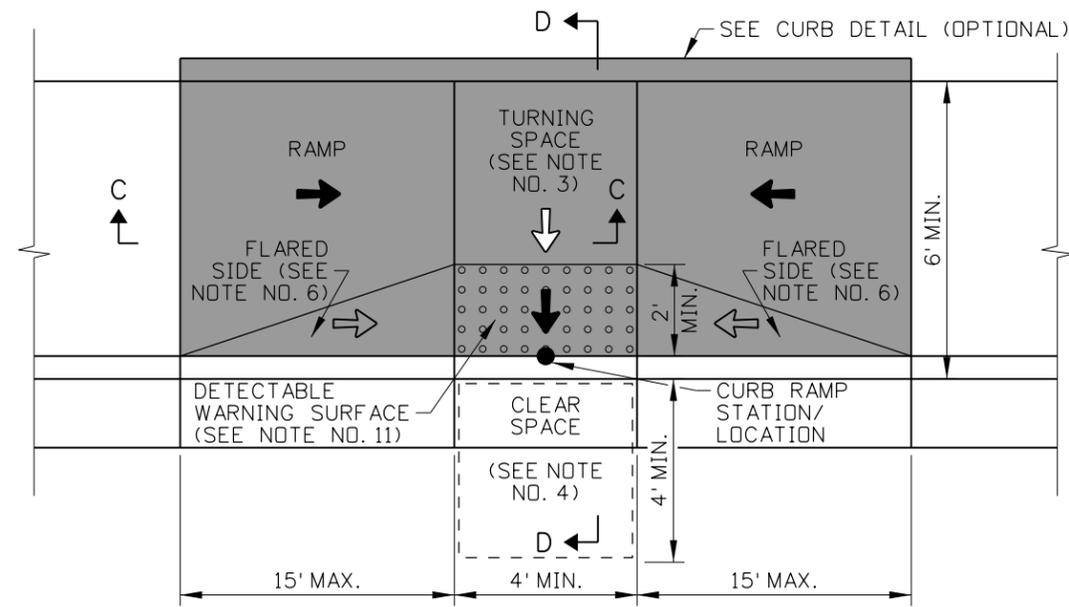
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614-3

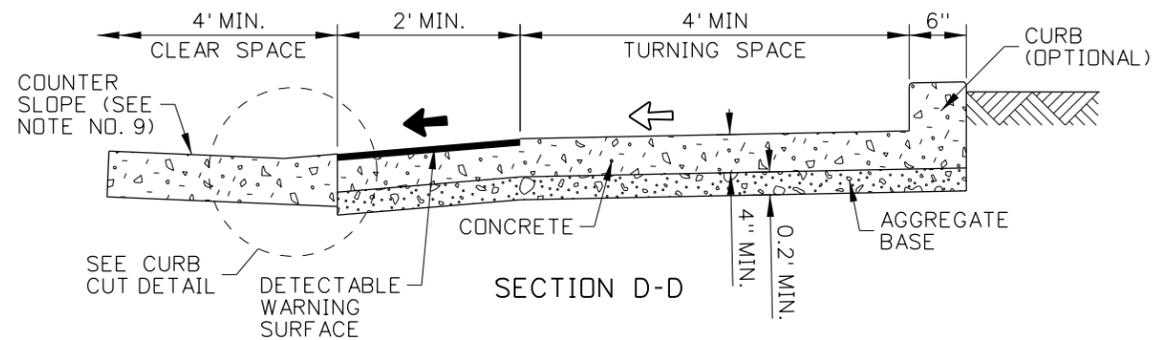
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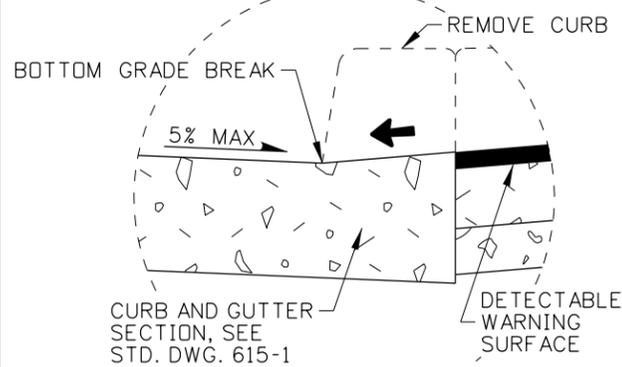




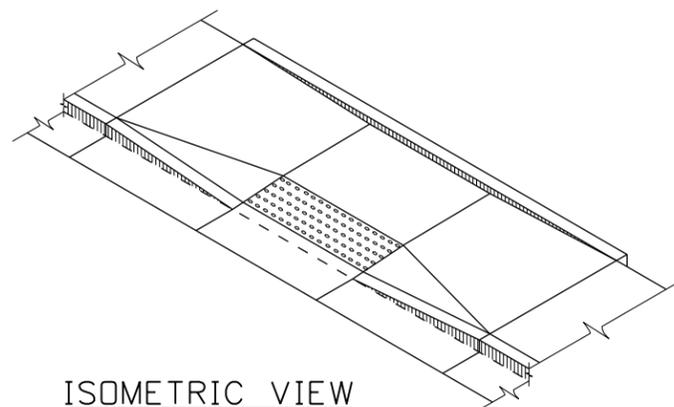
COMBINATION CURB RAMP



SECTION D-D



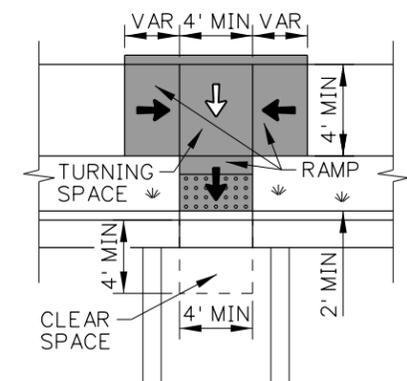
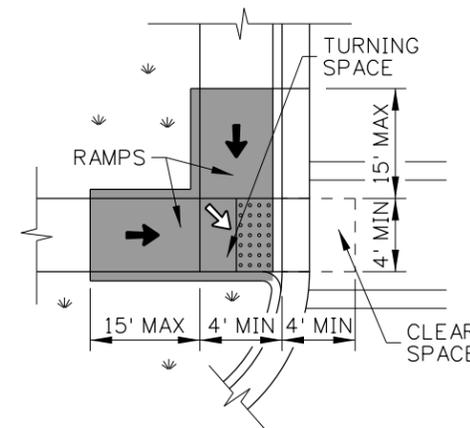
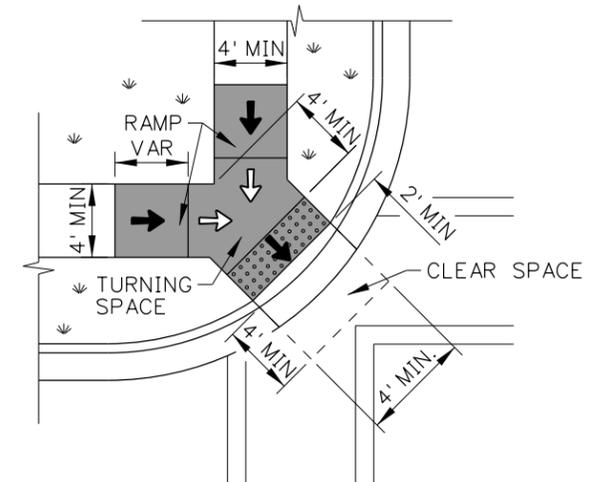
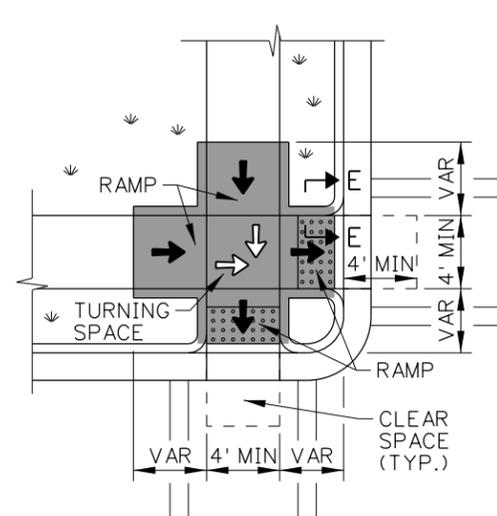
CURB CUT DETAIL



ISOMETRIC VIEW

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
1	09-93	MSM	6	07-03	MSM	11	07-10
2	12-95	MSM	7	12-04	MSM	12	09-11
3	06-98	MSM	8	06-05	MSM	13	05-15
4	08-01	MSM	9	05-06	MSM		
5	10-02	MSM	10	05-07	MSM		

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY  
 CADD FILE NAME: 614-3\_0615.dgn  
 DRAWING DATE: JUNE, 1990

**IDAHO TRANSPORTATION DEPARTMENT**

BOISE IDAHO

ORIGINAL SIGNED BY: KEVIN SABLAN  
 DESIGN/TRAFFIC SERVICES ENGINEER

STANDARD DRAWING  
**CURB RAMPS**

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

**English**

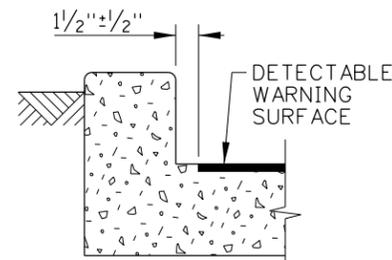
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SHEET 3 OF 4

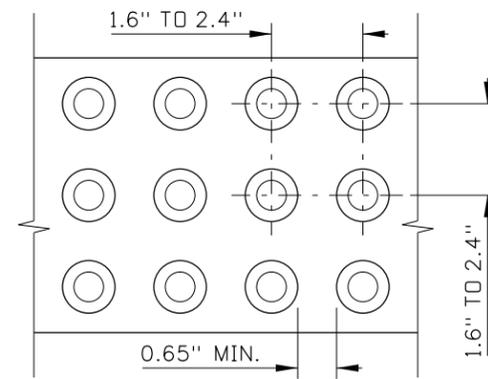
PROFESSIONAL ENGINEER  
 LICENSED  
 13683  
 RYAN D. LANCASTER  
 STATE OF IDAHO

**SYMBOL LEGEND**

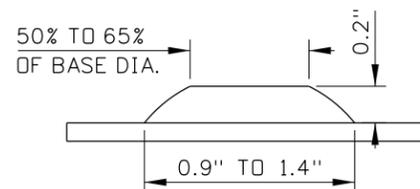
- ← 1.0% TO 2.0% SLOPE
- ← 5.0% TO 8.3% RUNNING SLOPE, 2.0% OR FLATTER CROSS SLOPE
- ← 10.0% OR FLATTER SLOPE



SECTION E-E

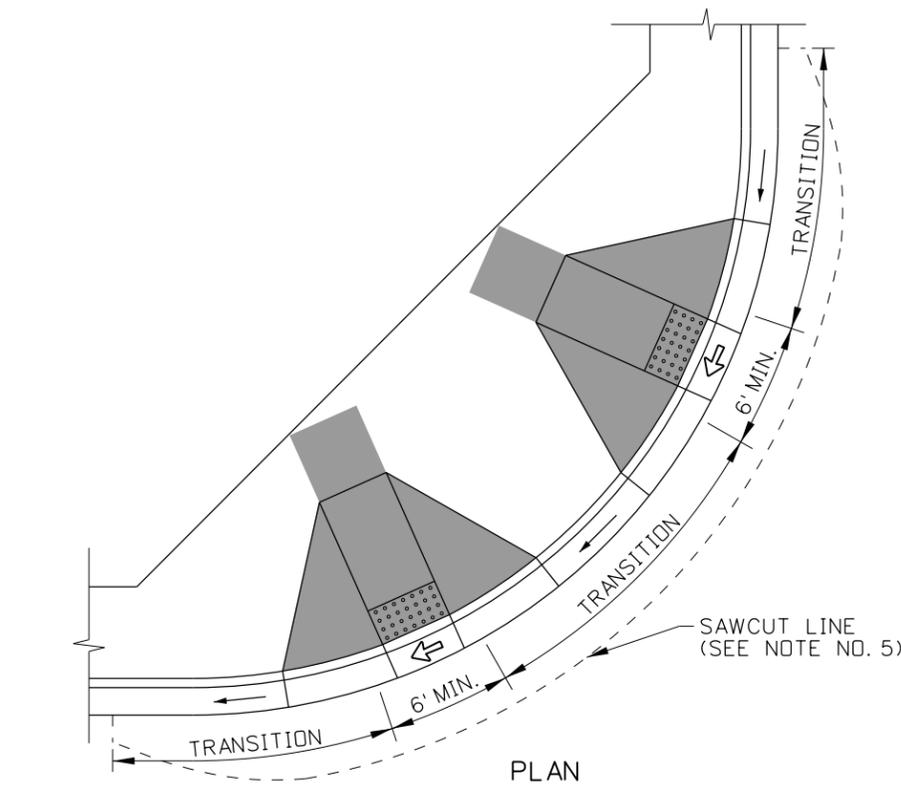


DOME SPACING

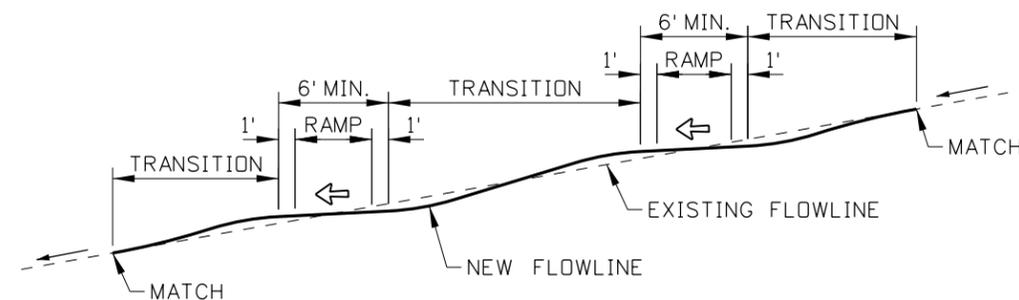


DOME SIZE

**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 RAMP CAN BE PERPENDICULAR, PARALLEL, OR A COMBINATION OF PARALLEL AND PERPENDICULAR RAMP. EXAMPLE APPLICATIONS OF EACH ARE SHOWN ON SHEETS 1, 2, AND 3.  
PERPENDICULAR CURB RAMP: PERPENDICULAR CURB RAMP HAS A RAMP THAT CUTS THROUGH THE CURB AT RIGHT ANGLES OR MEETS THE GUTTER GRADE BREAK AT RIGHT ANGLES WHEN THE CURB IS CURVED.  
PARALLEL CURB RAMP: PARALLEL CURB RAMP HAS 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.  
COMBINATION CURB RAMP: COMBINATION CURB RAMP HAS FEATURES FROM PERPENDICULAR AND PARALLEL CURB RAMP.
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.  
PERPENDICULAR CURB RAMP: PROVIDE A 4' BY 5' MINIMUM TURNING SPACE WHEN THE TURNING SPACE IS CONSTRAINED AT THE BACK-OF-SIDEWALK.  
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 RAMP 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 RAMP, OR COMBINATION CURB RAMP 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 RAMP 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.  
PERPENDICULAR AND COMBINATION CURB RAMP: 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.  
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. ALIGN ALTERNATING CURB AND SIDEWALK JOINTS. CONSTRUCT JOINTS APPROXIMATELY 1/8" WIDE AND 3/4" IN DEPTH.
14. DRAWING NOT TO SCALE.

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SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY  
CADD FILE NAME: 614-3\_0615.dgn  
DRAWING DATE: JUNE, 1990

**IDAHO TRANSPORTATION DEPARTMENT**

BOISE IDAHO

ORIGINAL SIGNED BY: KEVIN SABLAN  
DESIGN/TRAFFIC SERVICES ENGINEER

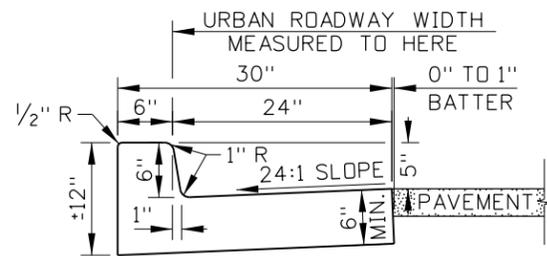
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**CURB RAMPS**

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

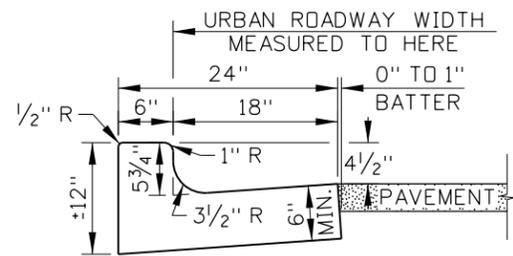
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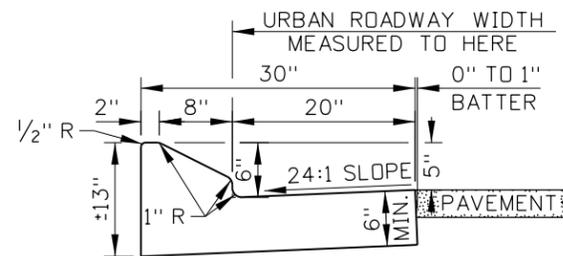
SHEET 4 OF 4



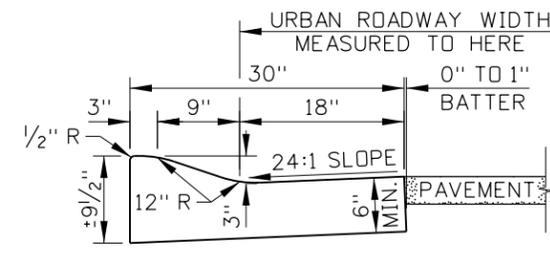
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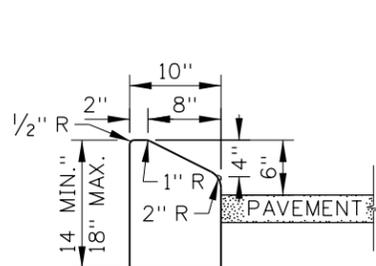
CURB AND GUTTER TYPE 2  
(SEE NOTE NO. 4)



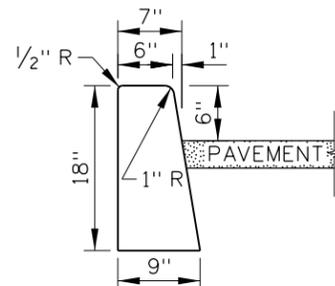
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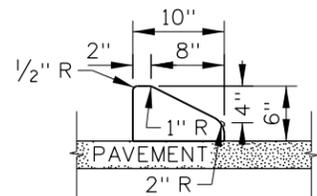
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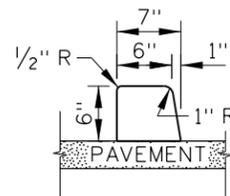
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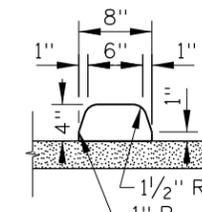
CURB TYPE 2



CURB TYPE 3  
(SEE NOTE NO. 3)



CURB TYPE 4  
(SEE NOTE NO. 3)



CURB TYPE 5  
(SEE NOTE NO. 3)

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:

PROVIDE A KEY IN THE PAVEMENT AT THE CENTERLINE OF THE CURB OR TRAFFIC SEPARATOR. SEE THE KEY DETAIL.

CONCRETE CURBS OR TRAFFIC SEPARATORS MAY BE PINNED TO THE PAVEMENT STRUCTURE 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:

USE AN EPOXY BONDING AGENT. NO KEY IS NEEDED.

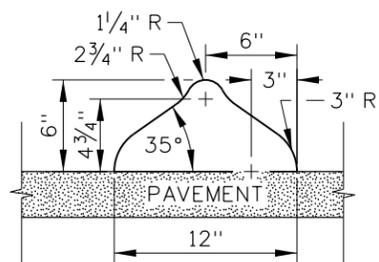
ASPHALT CONCRETE CURB OR TRAFFIC SEPARATOR ON ASPHALT CONCRETE PAVEMENT:

NO KEY IS NEEDED. ENSURE THAT THE CURB IS BONDED TO THE PAVEMENT.

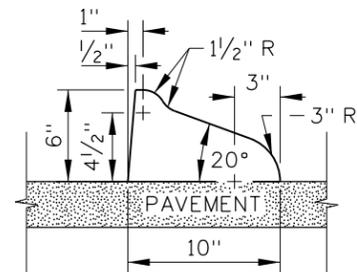
4. ENSURE THAT THE GUTTER SLOPE DOES NOT EXCEED 5 PERCENT AT CURB RAMPS.

5. TAPER THE LAST 6 FEET OF CURB AND GUTTER TYPES 1, 2, 3, AND 4 AND CURB TYPES 1 AND 2 DOWN TO A 1 INCH HEIGHT. TAPER CURB TYPES 3, 4, AND 5 AND TRAFFIC SEPARATORS TYPES 1 AND 2 DOWN TO A 1 INCH HEIGHT AT A 1:1 SLOPE.

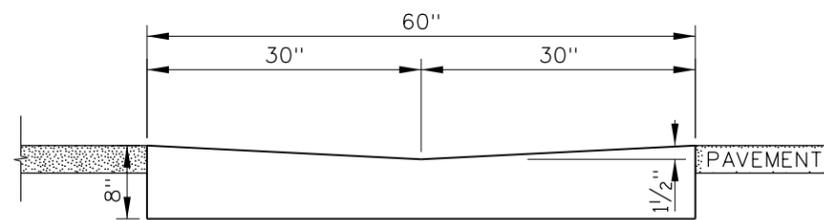
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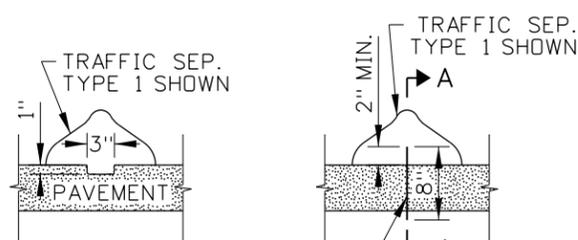
TRAFFIC SEPARATOR TYPE 1  
(SEE NOTE NO. 3)



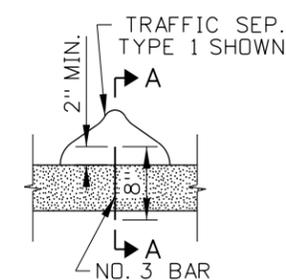
TRAFFIC SEPARATOR TYPE 2  
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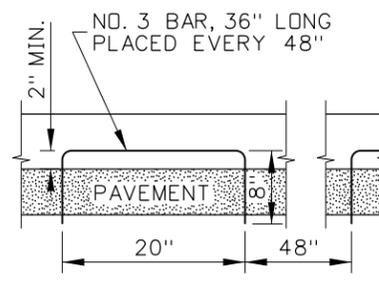
GUTTER TYPE 1



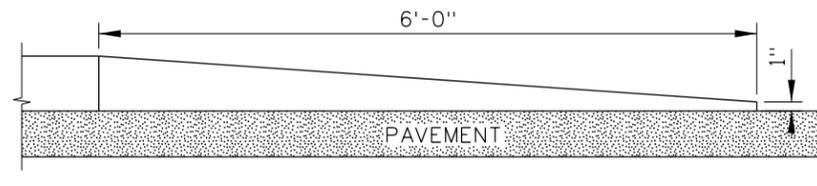
KEY DETAIL  
(SEE NOTE NO. 3)



PIN DETAIL  
(SEE NOTE NO. 3)

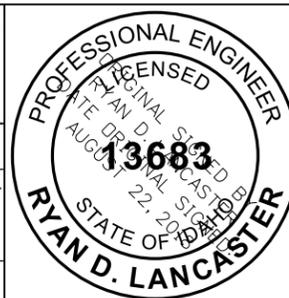


SECTION A-A



CURB TERMINUS DETAIL  
(SEE NOTE NO. 5)

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



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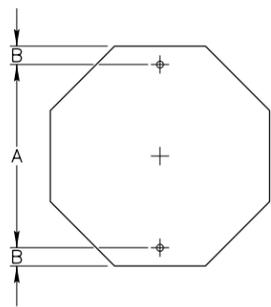
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IDAHO TRANSPORTATION DEPARTMENT  
BOISE IDAHO

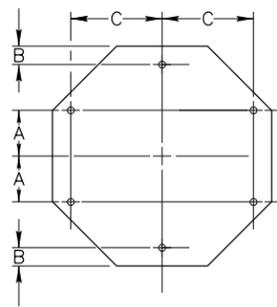
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DESIGN/TRAFFIC SERVICES ENGINEER

STANDARD DRAWING  
CURB AND GUTTER

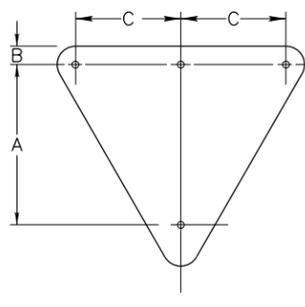
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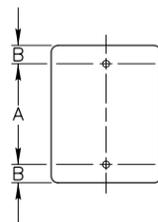
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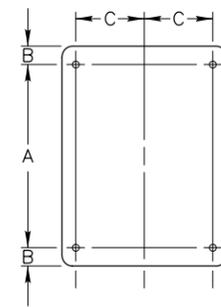
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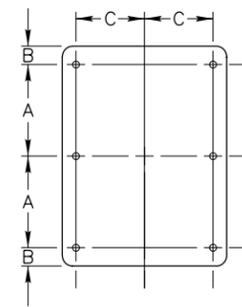
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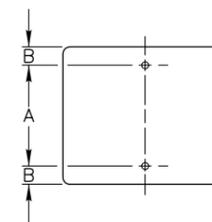
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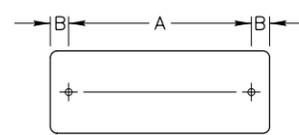
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60"X36"	30"	3"	21"



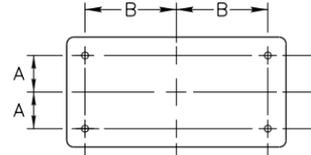
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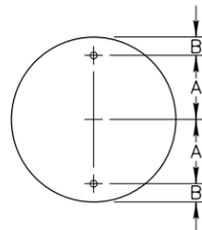
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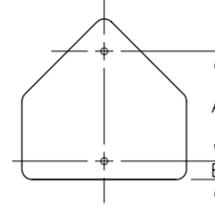
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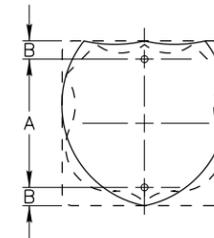
SIGN SIZE	A	B
48"X24"	9"	20"



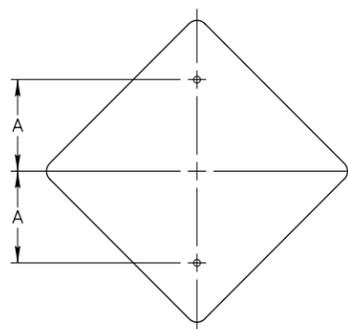
SIGN SIZE	A	B
36"	15"	3"
48"	21"	3"



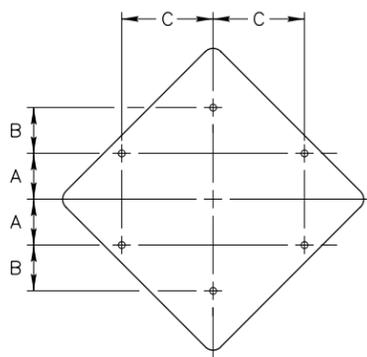
SIGN SIZE	A	B
30"X30"	21"	3"
36"X36"	24"	3"



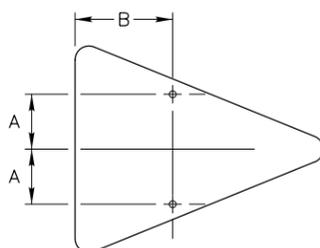
SIGN SIZE	A	B
24"X24"	18"	3"
30"X24"	18"	3"



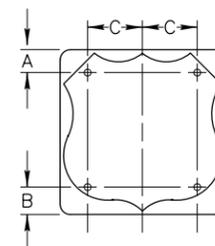
SIGN SIZE	A
18"X18"	10"
24"X24"	12"
30"X30"	15"



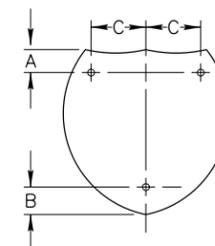
SIGN SIZE	A	B	C
36"X36"	8"	10"	12"
48"X48"	10"	—	20"



SIGN SIZE	A	B
36"X48"	9"	16"



SIGN SIZE	A	B	C
36"X36"	5"	6"	12"



SIGN SIZE	A	B	C
36"X36"	5"	6"	12"
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

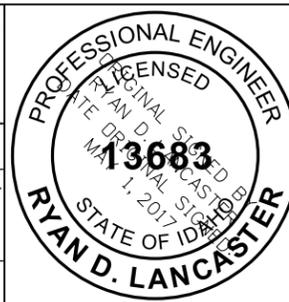
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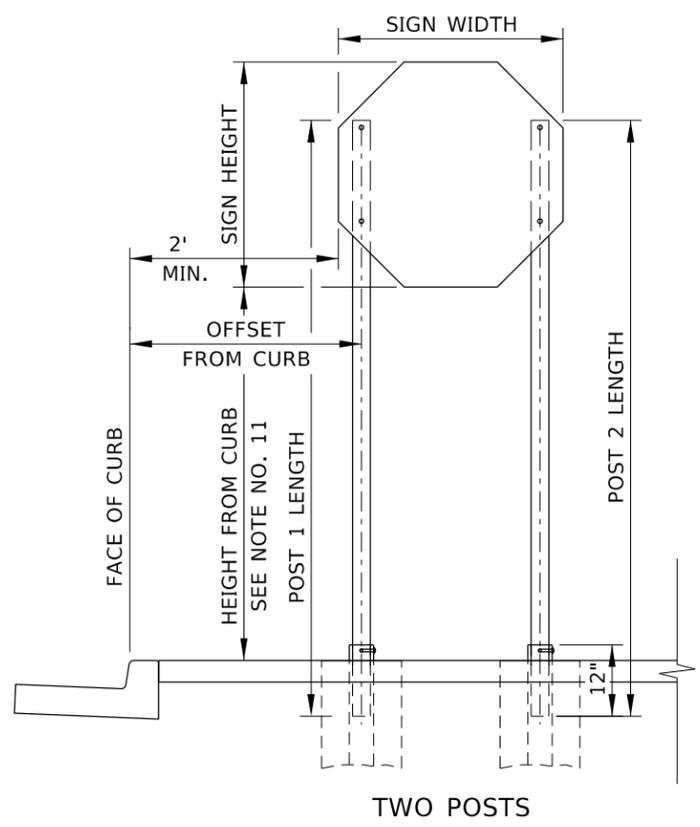
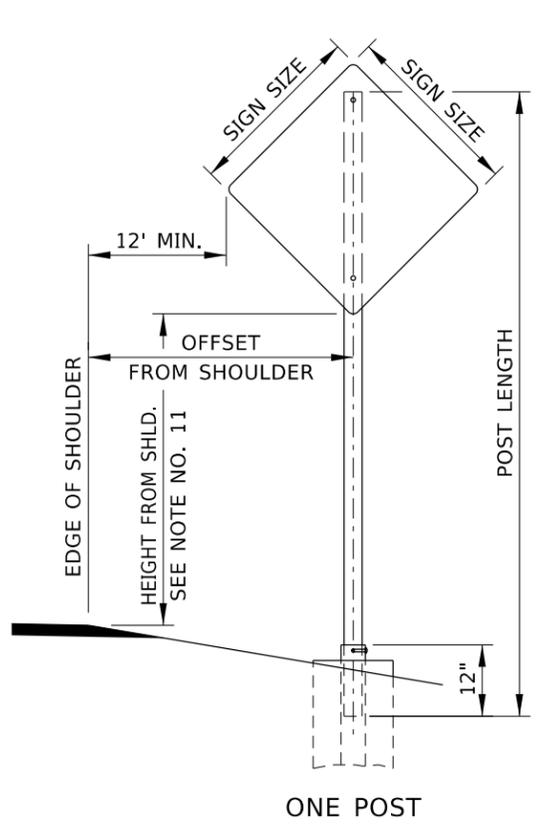
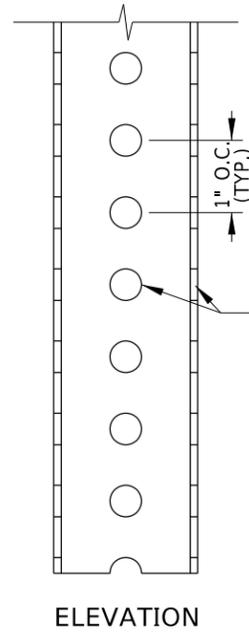
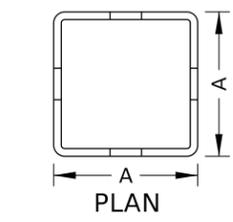
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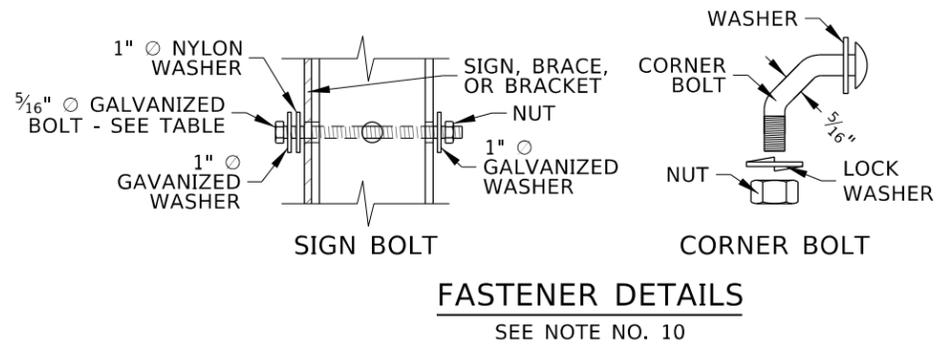
616-1

SHEET 1 OF 1

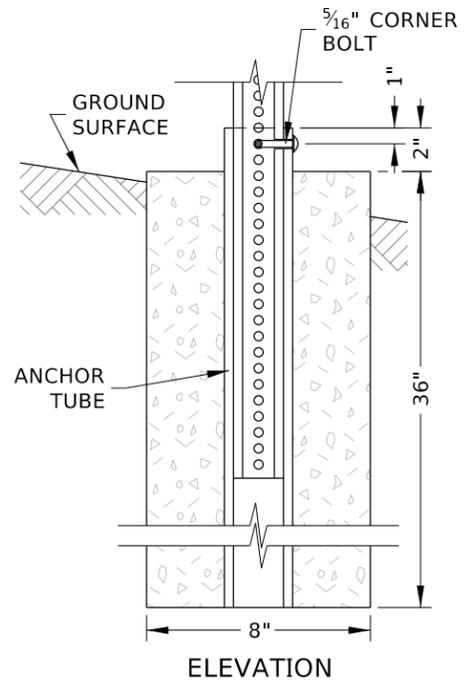
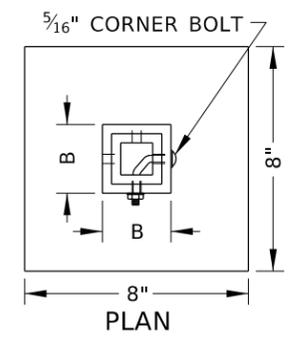




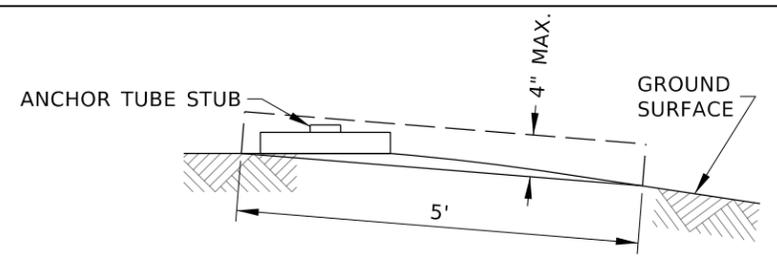
**SIGN ASSEMBLY MEASUREMENTS**



**FASTENER DETAILS**  
SEE NOTE NO. 10



**FOUNDATION**  
SEE NOTE NOS. 12 & 13



**FOUNDATION AND STUB HEIGHT DETAIL**  
SEE NOTE NO. 15

**NOTES**

1. USE TYPE E - PERFORATED STEEL TUBE POSTS - WITH TYPE B - SHEET ALUMINUM AND TYPE E - HDO PLYWOOD SIGNS.
2. SEE THE TRAFFIC MANUAL TO CALCULATE SIGN LOAD PER POST.
3. SEE PROJECT SIGN SUMMARY FOR SIGN ASSEMBLY DIMENSIONS.
4. USE ONE OR MORE TYPE E - PERFORATED STEEL TUBE POST. DO NOT MIX E-1 AND E-2 POSTS ON THE SAME SIGN ASSEMBLY.
5. POST 1 IS CLOSEST TO THE HIGHWAY, WHETHER INSTALLED ON THE RIGHT OR LEFT SIDE.
6. A BREAKAWAY DEVICE MUST BE INSTALLED IF THREE POSTS ARE USED. REFER TO THE ITD QUALIFIED PRODUCTS LIST FOR BREAKAWAY DEVICES.
7. 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.
8. SIGNS CAN BE MOUNTED BACK-TO-BACK IF THE SHAPE OF STOP, YIELD, OR WARNING SIGNS ARE NOT SHIELDED.
9. SIGNS ARE INSTALLED WITH OR WITHOUT BRACES DEPENDENT ON SIGN SIZE AND APPLICATION.
10. TYPE B - SHEET ALUMINUM - OR TYPE E - HDO PLYWOOD - SIGNS CAN BE AFFIXED TO THE POST OR THROUGH BRACES OR BRACKETS.
11. INSTALL SIGNS AT THE FOLLOWING HEIGHTS:
  - A. IF INSTALLED IN A RURAL AREA, 5 FEET ABOVE THE PAVEMENT ELEVATION OR 4 FEET IF A SUPPLEMENTARY PLAQUE IS INSTALLED BELOW THE SIGN.
  - B. 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.
12. 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.
13. 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.
14. WHEN THE SIGN IS INSTALLED ON A BACKSLOPE, ENSURE THE SIGN POST IS AT LEAST 5' HIGHER THAN THE GROUND SURFACE.
15. 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.
16. 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		FASTENERS	
	PERFORATED TUBE POST SIZE A (IN)	STEEL TUBE POST SIZE GAUGE			SIZE (INxINxIN)	CONCRETE (CY)	B (IN)	GAUGE	POST WEIGHT (LB/FT)	SIGN BOLT LENGTH (IN)
E-1	2	12	2.42	43	8x8x36	0.05	2 1/2x2 1/2	7	5.59	2 1/2
E-2	2 1/2	12	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						

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY  
CADD FILE NAME: 616-7\_0423.dgn  
DRAWING DATE: JULY, 1991

**IDAHO TRANSPORTATION DEPARTMENT**  
YOUR Safety-YOUR Mobility-YOUR Economic Opportunity  
BOISE IDAHO

ORIGINAL SIGNED BY: MONICA CRIDER  
HIGHWAY DESIGN ENGINEER

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

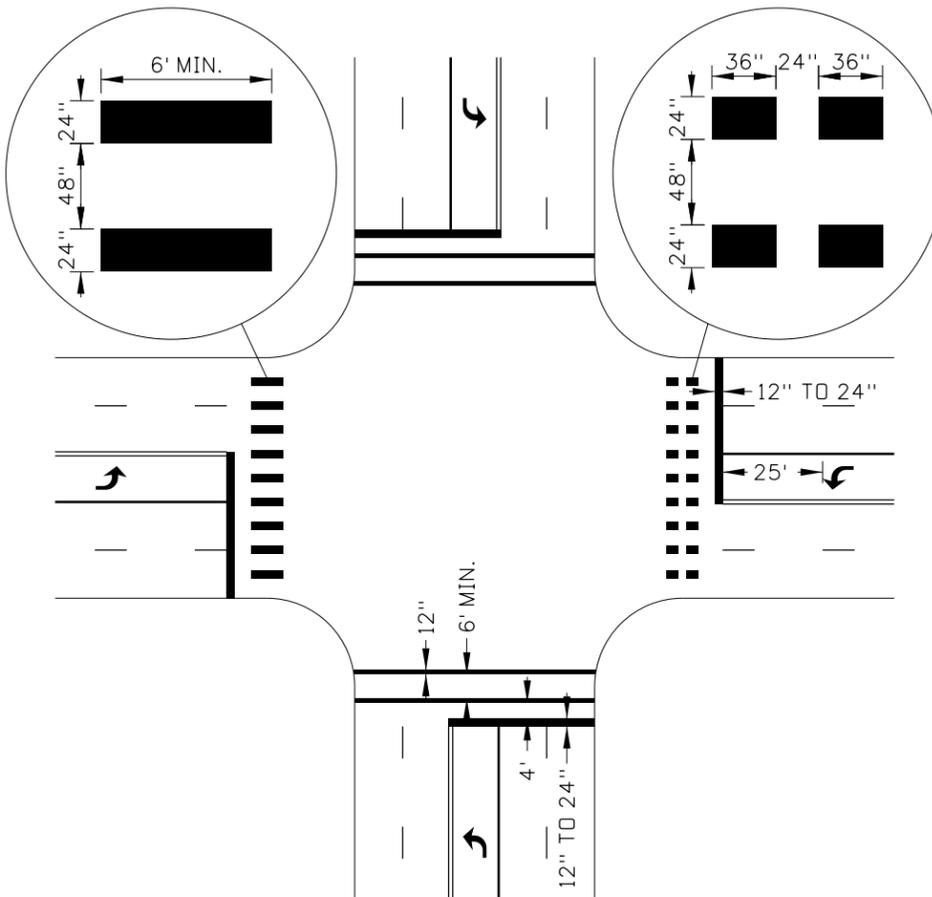
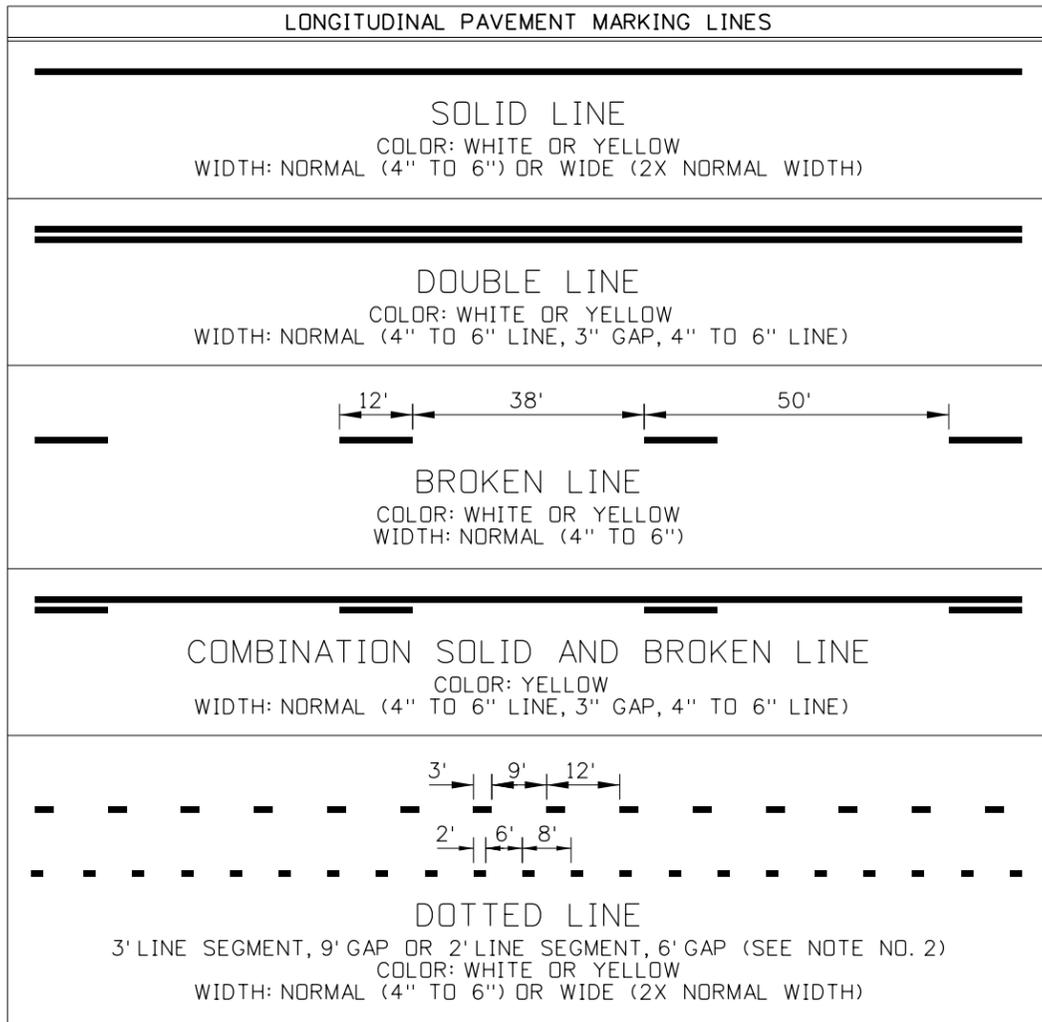
ENGLISH  
STANDARD DRAWING NO.  
616-7  
SHEET 1 OF 1

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

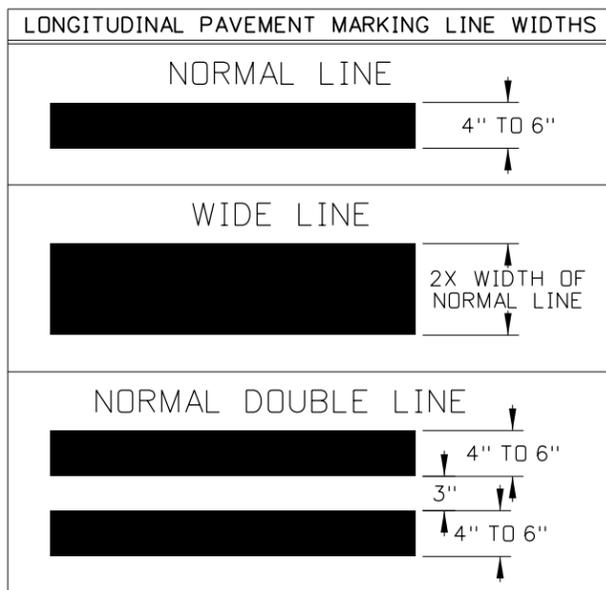
PROFESSIONAL ENGINEER  
RYAN D. LANCASTER  
MAINT 1, 2014  
STATE OF IDAHO

**NOTES**

1. USE WHITE AND YELLOW PAVEMENT MARKINGS AS FOLLOWS:
  - WHITE:
    - A. THE SEPARATION OF TRAFFIC TRAVELING IN THE SAME DIRECTION.
    - B. THE RIGHT-HAND EDGE OF THE HIGHWAY.
  - YELLOW:
    - A. THE SEPARATION OF TRAFFIC TRAVELING IN OPPOSITE DIRECTIONS.
    - B. THE LEFT-HAND EDGE DIVIDED HIGHWAYS, ONE-WAY STREETS, OR RAMP.
    - 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 THE 12' LINE SEGMENT, 38' GAP PATTERN FOR ALL SPEEDS.
  - 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 RAMP.
      - III. TO SEPARATE A THROUGH LANE AND AN AUXILIARY LANE 2 MILES OR LESS IN LENGTH BETWEEN FREEWAY ENTRANCE RAMP AND EXIT RAMP OR 1 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 AS NEEDED TO ACCOMMODATE OTHER SITUATIONS.
5. METHODS FOR DETERMINING TURN-LANE LENGTH ARE DESCRIBED IN THE ITD TRAFFIC MANUAL.
6. USE 15W FOR POSTED SPEED LIMITS OF 45 MPH OR GREATER. USE 8W FOR POSTED SPEED LIMITS OF 40 MPH OR LESS. W IS THE OFFSET WIDTH IN FEET.
7. USE DISTANCE L WHEN PRACTICAL. USE THE FOLLOWING EQUATION TO DETERMINE L:
 
$$L = WS$$
 WHERE:
  - W = OFFSET WIDTH IN FEET
  - S = POSTED SPEED LIMIT
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. ON TWO-LANE HIGHWAYS, PAINT THE CENTERLINE IN ONE DIRECTION IN ASCENDING STATION/MILEPOST DIRECTION AS SHOWN.
11. DRAWINGS NOT TO SCALE.



**EXAMPLE STOP LINE AND CROSSWALK DETAIL**



REVISIONS								
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	03-20	RDL						

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY

CADD FILE NAME: 630-1\_0420.dgn

DRAWING DATE: DECEMBER, 2016

**IDAHO TRANSPORTATION DEPARTMENT**

BOISE IDAHO

ORIGINAL SIGNED BY: KEVIN SABLAN  
DESIGN/TRAFFIC SERVICES ENGINEER

STANDARD DRAWING

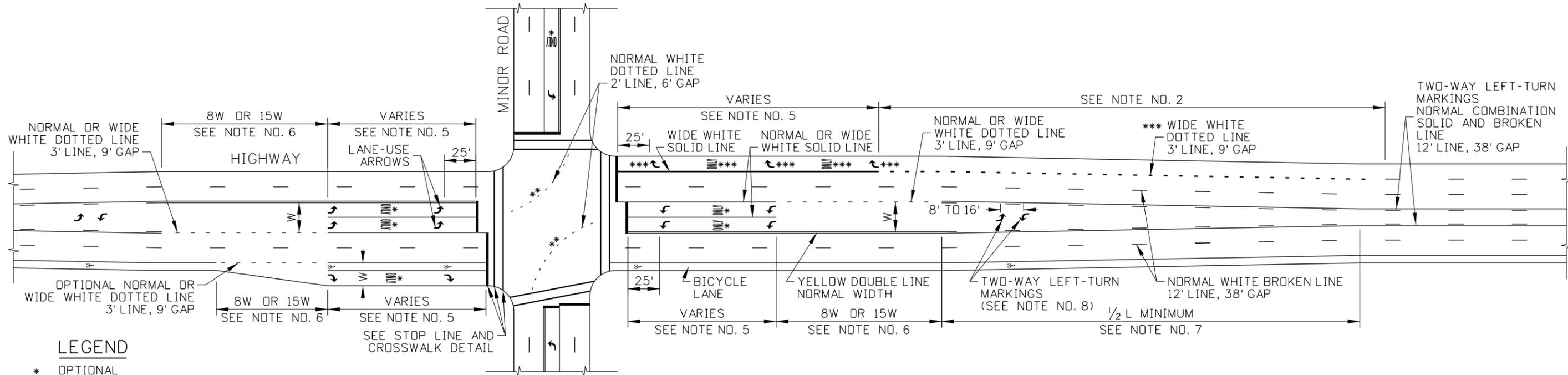
**PAVEMENT MARKINGS**

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

**English**

STANDARD DRAWING NO. **630-1**

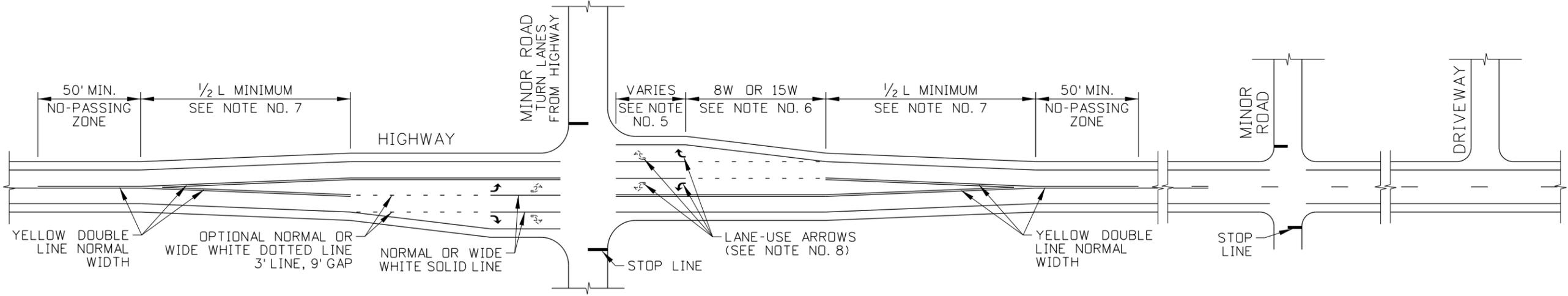
SHEET 1 OF 4



EXAMPLE URBAN HIGHWAY PAVEMENT MARKINGS

**LEGEND**

- \* OPTIONAL
- \*\* DOTTED LANE LINE EXTENSION (2' SEGMENT, 6' GAP)
- \*\*\* REQUIRED WHERE THROUGH LANE BECOMES MANDATORY TURN LANE



EXAMPLE RURAL HIGHWAY PAVEMENT MARKINGS

SEE NOTE NO. 9

REVISIONS								
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	03-20	RDL						

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 CADD FILE NAME: 630-1\_0420.dgn  
 DRAWING DATE: DECEMBER, 2016

**IDAHO TRANSPORTATION DEPARTMENT**



BOISE IDAHO

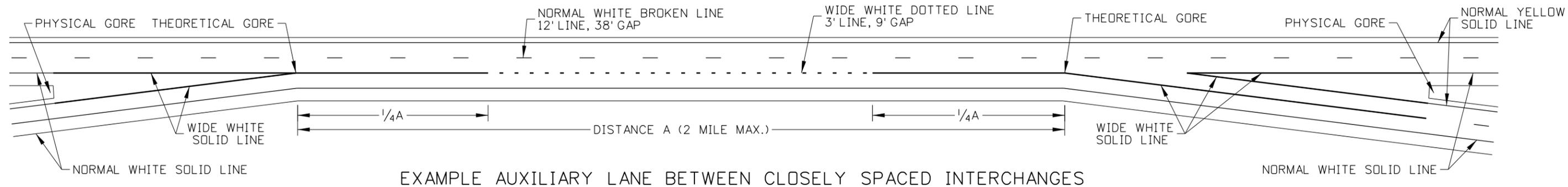
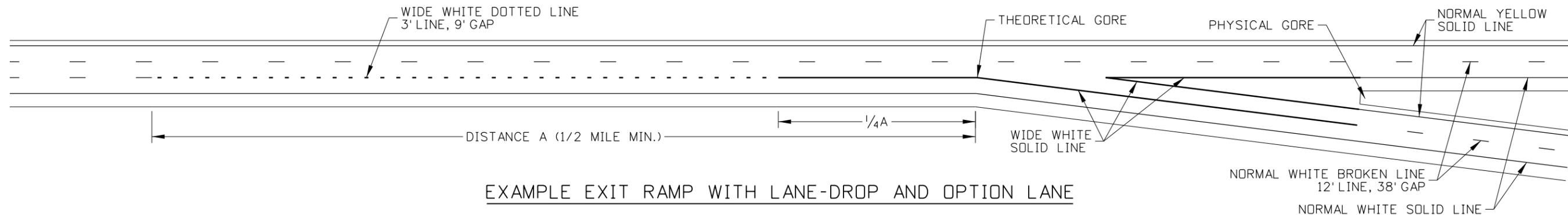
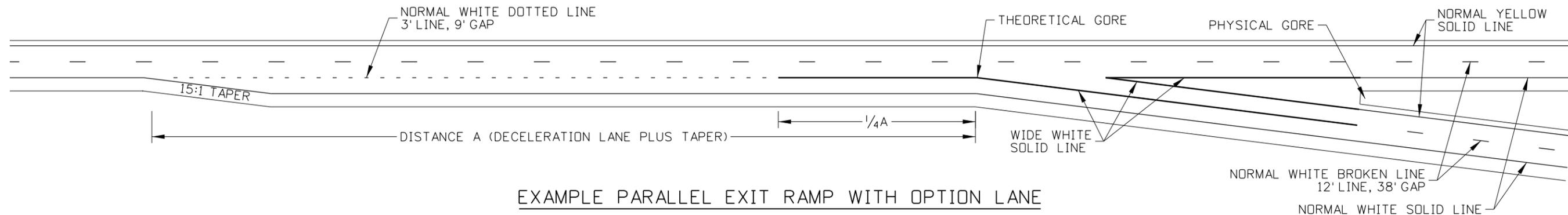
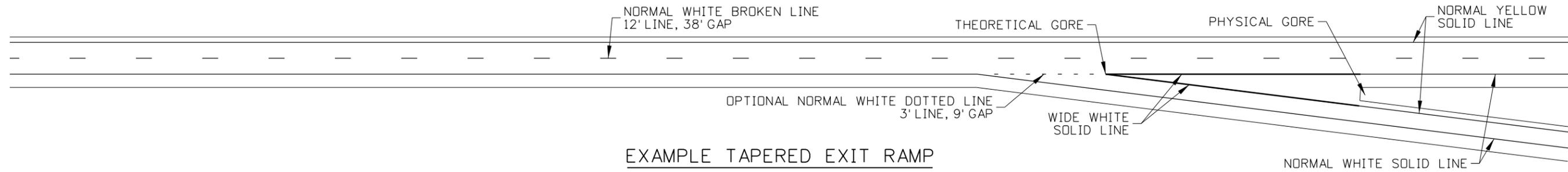
ORIGINAL SIGNED BY: KEVIN SABLAN  
 DESIGN/TRAFFIC SERVICES ENGINEER

STANDARD DRAWING  
**PAVEMENT MARKINGS**

**English**  
 STANDARD DRAWING NO.  
**630-1**  
 SHEET 2 OF 4

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

PROFESSIONAL ENGINEER  
 LICENSED  
 13683  
 RYAN D. LANCASTER  
 STATE OF IDAHO



REVISIONS								
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1	03-20	RDL						

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630-1\_0420.dgn

DRAWING DATE:  
DECEMBER, 2016

**IDAHO  
TRANSPORTATION  
DEPARTMENT**



BOISE IDAHO

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DESIGN/TRAFFIC SERVICES ENGINEER

STANDARD DRAWING  
**PAVEMENT MARKINGS**

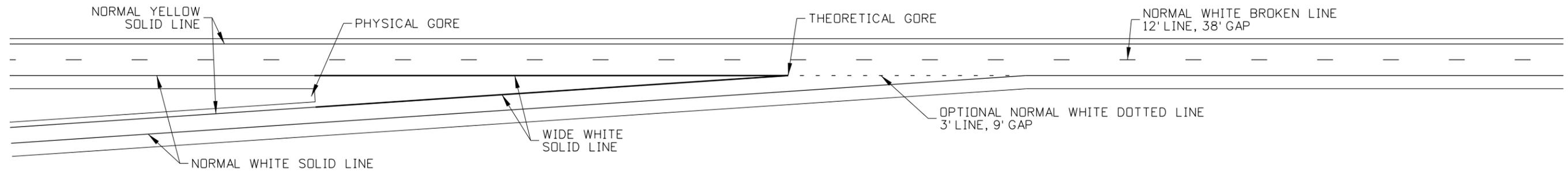
ORIGINAL STORED  
AT: ITD,  
Headquarters  
3311 West State  
Boise, Idaho

**English**

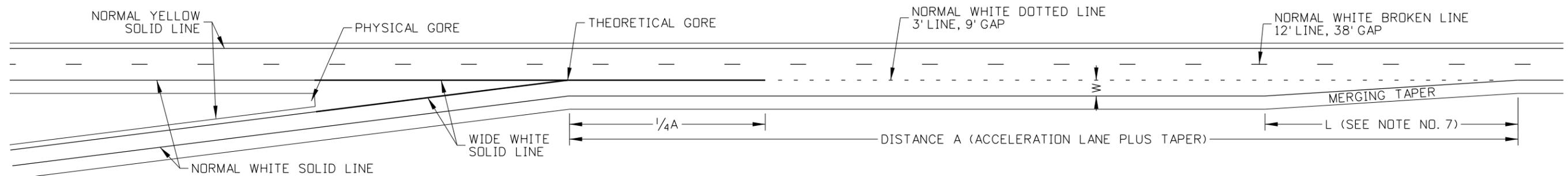
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SHEET 3 OF 4

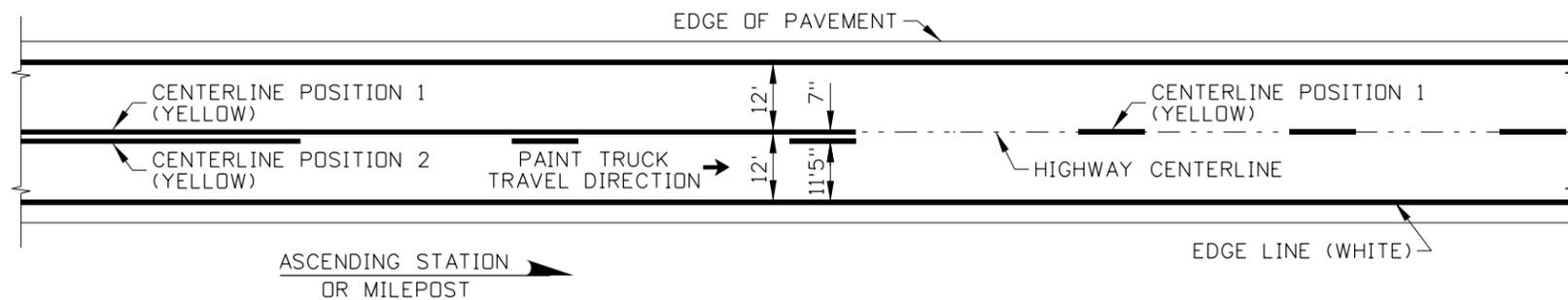
PROFESSIONAL ENGINEER  
LICENSED  
RYAN D. LANCASTER  
13683  
STATE OF IDAHO  
MARCH 17, 2015



EXAMPLE TAPERED ENTRANCE RAMP

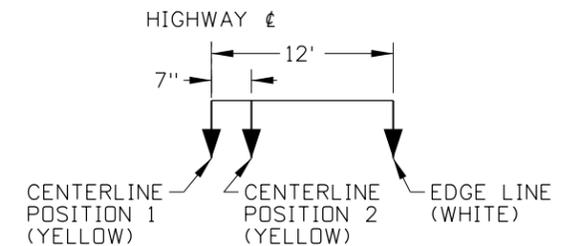


EXAMPLE PARALLEL ENTRANCE RAMP



PAVEMENT MARKINGS ON TWO-WAY HIGHWAYS

SEE NOTE NO. 10 AND PAINT TRUCK SETUP DETAIL



PAINT TRUCK SETUP DETAIL

REVISIONS								
NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
1	03-20	RDL						

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 CADD FILE NAME: 630-1\_0420.dgn  
 DRAWING DATE: DECEMBER, 2016

**IDAHO TRANSPORTATION DEPARTMENT**



BOISE IDAHO

ORIGINAL SIGNED BY: KEVIN SABLAN  
 DESIGN/TRAFFIC SERVICES ENGINEER

STANDARD DRAWING  
**PAVEMENT MARKINGS**

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**English**

STANDARD DRAWING NO. 630-1

SHEET 4 OF 4