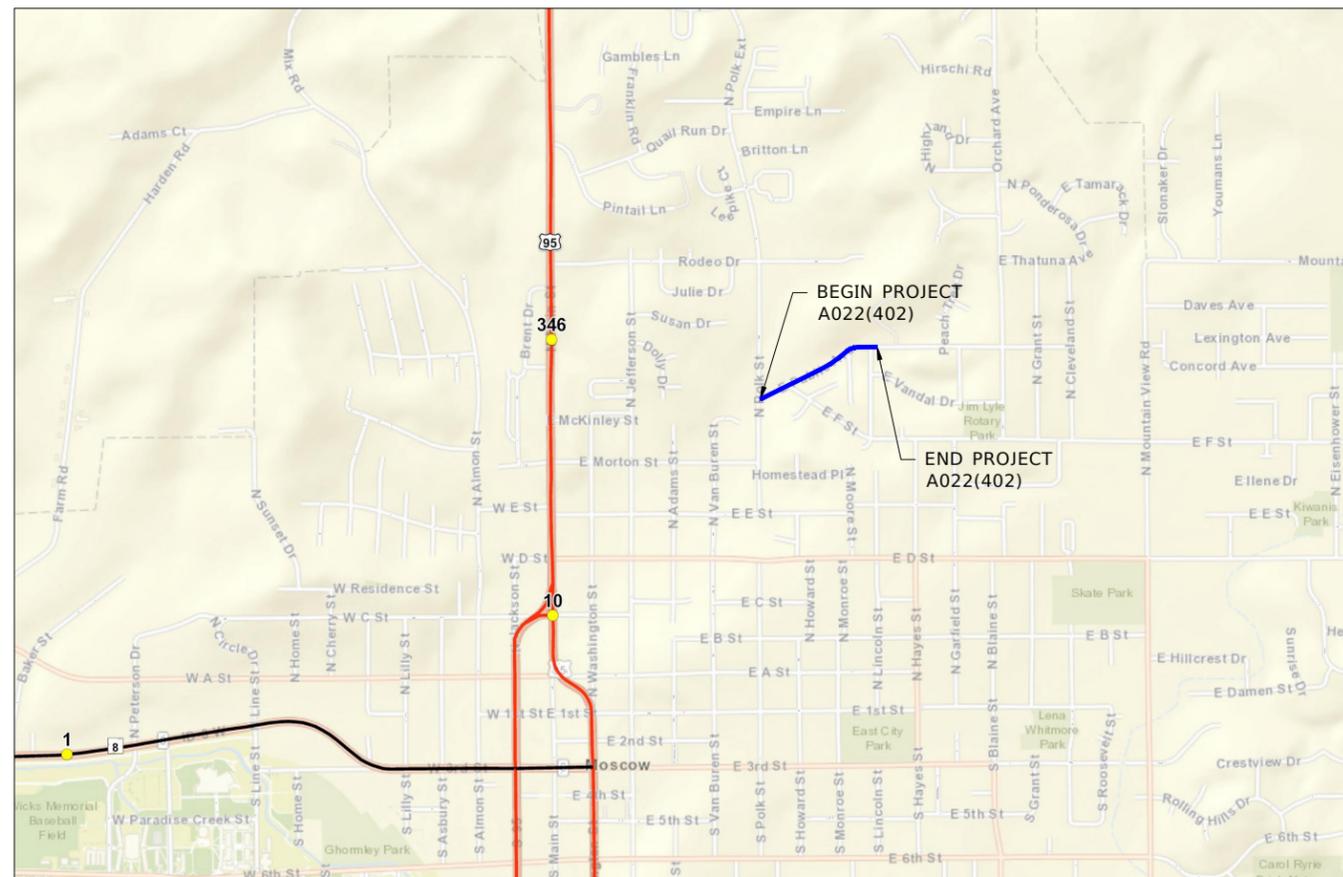
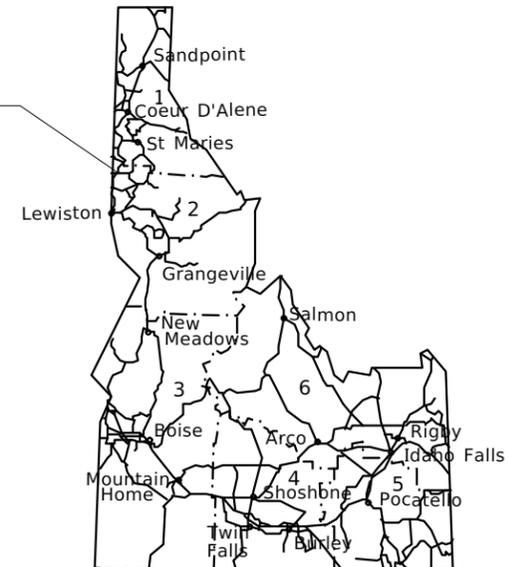


INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
1	TITLE SHEET
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3	SURVEY CONTROL SHEET
4-5	TYPICAL SECTIONS
6	PROJECT CLEARANCE SUMMARY
7-8	ROADWAY SUMMARY
9	SEWER PIPE SUMMARY
10-12	DEMO PLAN
13-15	PLAN & PROFILE
16-18	INTERSECTION GRADING SHEETS
19	ROADWAY DETAIL SHEETS
20-21	POLLUTION PREVENTION PLAN
22	SIGN SUMMARY SHEET
23-24	SIGN & PAVEMENT MARKING PLAN
25	TRAFFIC CONTROL SUMMARY
26-27	TRAFFIC CONTROL PLAN
28-31	UTILITY PLANS

IDAHO TRANSPORTATION DEPARTMENT

PLAN AND PROFILE OF PROPOSED PUBLIC AVENUE CORRIDOR SAFETY IMPROVEMENTS, MOSCOW FEDERAL AID PROJECT NO. A022(402) KEY NO. 22402 LATAH COUNTY DECEMBER 2024

PUBLIC AVENUE CORRIDOR
SAFETY IMPROVEMENTS



SCALE: N.T.S

DESIGN DESIGNATION		
ADT	2015	1200
ADT	2030	1280
DHV	2015	1400
DHV	2030	1400
D	49/51	
V	20	
TRUCKS:		
ADT	2015	30
ADT	2030	40
DHV	2015	25
DHV	2030	30

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 22402 TITL
DRAWING DATE: July 2024

**IDAHO
TRANSPORTATION DEPARTMENT**

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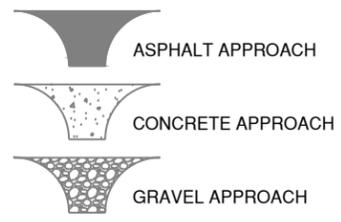
PROJECT NO.
A022(402)

TITLE SHEET
**PUBLIC AVENUE CORRIDOR
SAFETY IMPROVEMENTS
MOSCOW**

ENGLISH
COUNTY LATAH
KEY NUMBER 22402
SHEET 1 OF 31

Monica Crider
Approved for Advertising
1/7/2025
Date Approved

EXISTING / PROPOSED



- B** BARN
- F** BUILDING FOUNDATION
- H** HOUSE
- D** DECK
- S** SILO

EXISTING / PROPOSED

- BUSH
- SLOPE OF TERRAIN
- DRAINAGE FLOW
- EMBANKMENT PROTECTOR
- DRAINAGE FLOW
- FOUND GPS CONTROL POINT
- MAILBOX
- MARSH
- MATERIAL SOURCE
- PHOTO CENTER
- RIP RAP
- SIPHON
- SPOT ELEVATION
- STOCKPILE SITE
- STUMP
- TREE
- WETLAND
- FLAG POLE
- IRRIGATION BOX
- SPRINKLER
- BUSH BOUNDARY
- CULTIVATION BOUNDARY
- TREE BOUNDARY
- EDGE OF ROAD EXISTING
- TRAIL
- RAILROAD TRACKS
- TOP OF RAIL (RAILROAD)
- ANGLE POINT
- CONCRETE MONUMENT
- FOUND / SET BRASS OR ALLOY CAP
- FOUND PLASTIC CAP
- FOUND IRON PIPE / SET IRON PIPE
- PK NAIL
- FOUND / SET NUMBER 4 REBAR
- FOUND / SET NUMBER 5 REBAR
- FOUND NUMBER 6 REBAR
- RIGHT OF WAY MARKER
- FOUND / SET SPIKE
- FOUND / SET STONE
- CONTROL POINT

EXISTING / PROPOSED

- FOUND / ESTIMATED QUARTER CORNER
- FOUND / ESTIMATE SECTION CORNER
- STATE LINE
- TOWNSHIP AND RANGE LINE
- RESERVATION BOUNDARY
- FOREST BOUNDARY
- SECTION LINE
- QUARTER SECTION LINE
- SIXTEENTH SECTION LINE
- COUNTY LINE
- CITY LIMITS
- EASEMENT LINE
- PERMANENT EASEMENT LINE
- INTERSTATE RIGHT OF WAY LINE
- RIGHT OF WAY LINE
- PURCHASED ACCESS CONTROL LINE
- PROPERTY LINE
- RAILROAD RIGHT OF WAY LINE
- TEMPORARY EASEMENT
- SILT FENCE
- FIBER WATTLE
- SEDIMENT BASIN
- ROCK CHECK DAM
- DIKE SWALE
- EROSION CONTROL BLANKET
- MULCH
- SEEDING PERMANENT
- SEEDING TEMPORARY

EXISTING / PROPOSED

- RAILROAD PROTECTION DEWISE
- RAILROAD SIGNAL
- RAILROAD SWITCH
- GUY & ANCHOR
- JUNCTION BOX
- ELECTRICAL MANHOLE
- METER
- ELECTRIC POLE
- TRANSMISSION TOWER
- ELECTRIC VAULT
- FIRE HYDRANT
- RISER GAS OR OIL ETC.
- TELEPHONE OR LIGHT POLE
- MANHOLE
- WELL
- VALVE
- CATCH BASIN OR INLET
- OHP OVER HEAD ELECTRIC
- E UNDER GROUND ELECTRIC CABLE
- OHF/O OVER HEAD FIBER OPTIC
- F/O UNDER GROUND FIBER OPTIC
- OHT OVER HEAD TELEPHONE
- T UNDER GROUND TELEPHONE
- OHTV OVER HEAD TELEVISION
- TV UNDER GROUND TELEVISION CABLE
- W WATER LINE
- G GAS LINE
- OIL OIL LINE
- SIP IRRIGATION SIPHON
- IRR IRRIGATION LINE
- SAN SANITARY SEWER
- SS STORM SEWER
- UD UNDER DRAIN
- CONDUIT OR CASING
- ITS CONDUIT

EXISTING / PROPOSED

- HORIZONTAL ALIGNMENT CONTROL LINE
- CURB
- GUTTER
- COMBINATION CURB AND GUTTER
- CULVERT WITH FLOW INDICATOR
- CULVERT WITH APRONS
- METAL GUARDRAIL
- CONCRETE BARRIER
- FENCE
- FENCE ON INTERSTATE ROW LINE
- FENCE ON ROW LINE
- FENCE ON PURCHASED ACCESS LINE
- FENCE ON PROPERTY LINE
- FENCE ON RAILROAD ROW LINE
- GATE
- SNOW FENCE
- RETAINING WALL
- EDGE OF WATER OR FLOW LINE
- EXISTING GROUND
- TOE OF FILL (SLOPE LIMIT)
- TOP OF CUT (SLOPE LIMIT)
- ROAD CLOSURE
- DELINEATOR TYPE 1
- DELINEATOR TYPE 2
- DELINEATOR TYPE 3
- DELINEATOR TYPE 4
- SIGN SINGLE POST
- SIGN DOUBLE POST
- EMERGENCY VEHICLE PREEMPT DETECTOR
- ELECTRICAL SERVICE PEDESTAL
- VIDEO DETECTION CAMERA
- LUMINAIRE HEAD
- ILLUMINATION POLE
- STOP BAR
- YIELD LINE
- FLAGGER STATION
- FLAGGER STATION

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	BGS	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY CADD FILE NAME 22402 LGND DRAWING DATE: July 2024
DESIGN CHECKED	JMS	
DETAILED	BGS	
DRAWING CHECKED	JMS	

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PROJECT NO.	A022(402)
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ROADWAY LEGEND

PUBLIC AVENUE CORRIDOR SAFETY IMPROVEMENTS MOSCOW

ENGLISH
COUNTY LATAH
KEY NUMBER 22402
SHEET 2 OF 31

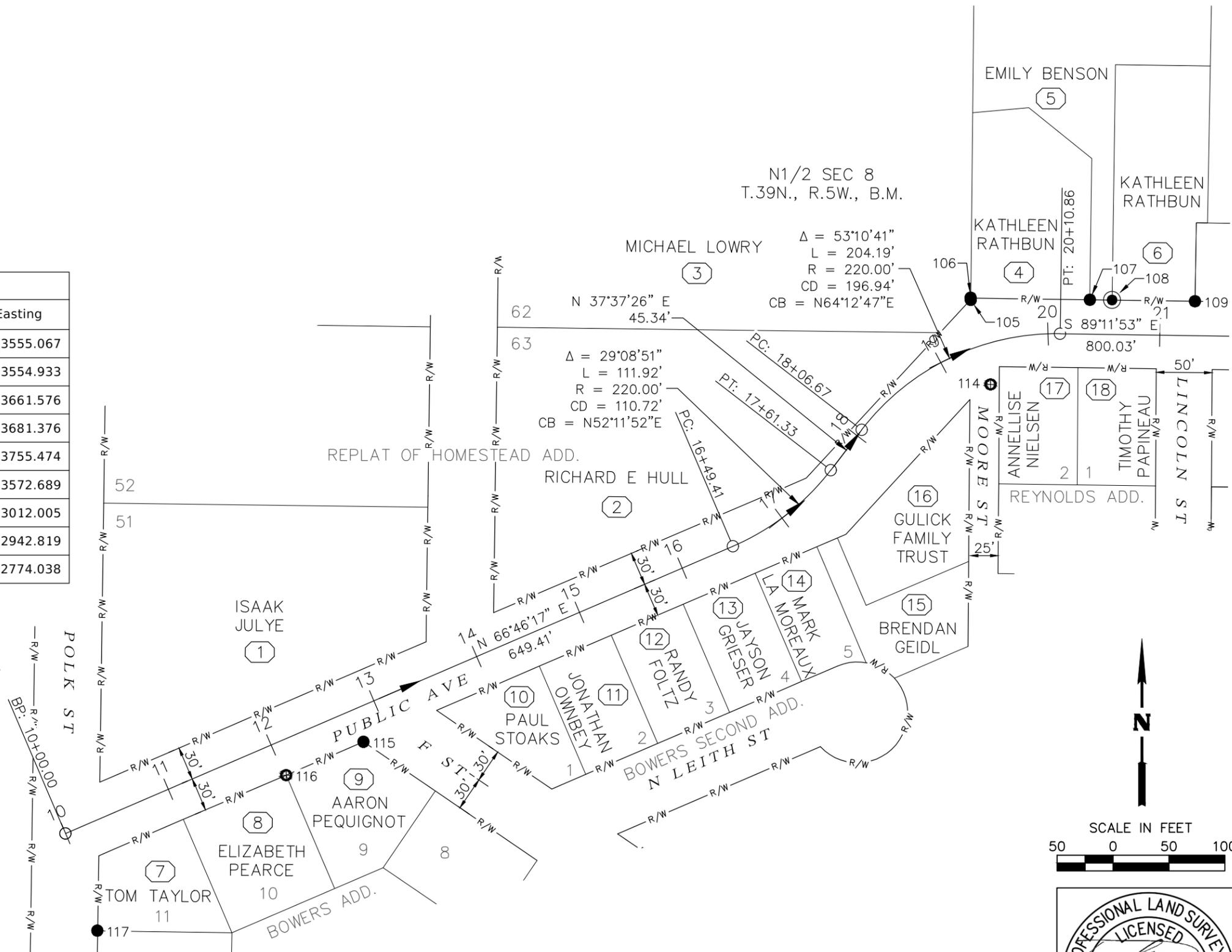
PROFESSIONAL ENGINEER
 REGISTERED
 17889
 10/17/2024
 STATE OF IDAHO
 JUSTIN M. SHAW

PARCEL NO.	PARCEL ID NO.	RECORD OWNER	TOTAL ASSD. OWNER AC.
1	0430051001B	ISAAK JULYE	2.295
2	04350630010	RICHARD E. HULL	1.400
3	0435060001A	MICHAEL LOWRY	4.273
4	00000080780	KATHLEEN RATHBUN	0.384
5	00000080700	EMILY BENSON	0.851
6	00000080754	KATHLEEN RATHBUN	0.390
7	00700010110	TOM TAYLOR	0.196
8	00700010100	ELIZABETH PEARCE	0.252
9	00700010090	AARON PEQUIGNOT	0.229
10	00800010010	PAUL STOAKS	0.160
11	00800010020	JONATHAN OWNBNEY	0.169
12	00800010030	RANDY FOLTZ	0.169
13	00800010040	JAYSON GRIESER	0.169
14	0080001005A	MARK MOREAUX	0.146
15	0080001006A	BRENDAN GEIDL	0.192
16	0080001007A	GULICK FAMILY TRUST	0.262
17	08500020020	ANNELLISE NIELSEN	0.168
18	08500020010	TIMOTHY PAPINEAU	0.168

Point Table				
Point #	Raw Description	Elevation	Northing	Easting
105	FOUND 5/8" REBAR - NO CAP	2612.99	1852796.960	2313555.067
106	FOUND 5/8" REBAR - NO CAP	2614.47	1852798.947	2313554.933
107	FOUND 5/8" REBAR - NO CAP	2612.79	1852797.097	2313661.576
108	FOUND 5/8" REBAR - "BH ENGR 3003"	2613.12	1852796.873	2313681.376
109	FOUND 5/8" REBAR - NO CAP	2613.03	1852795.760	2313755.474
114	FOUND 3/8" IRON ROD	2605.18	1852721.602	2313572.689
115	FOUND 5/8" REBAR - NO CAP	2594.90	1852402.858	2313012.005
116	FOUND 2-1/2" PIPE	2592.78	1852373.164	2312942.819
117	FOUND 5/8" REBAR - NO CAP	2593.13	1852234.527	2312774.038

NOTES:

- THIS SURVEY WAS ESTABLISHED BY GPS CONTROL COORDINATES DERIVED FROM NGS OPUS SOLUTIONS USING A REFERENCE FRAME OF NAD83 (2011)(EPOCH: 2010.000) ALL BEARINGS REFER TO IDAHO STATE PLANE COORDINATE SYSTEM OF 1983, WEST ZONE, (1103). UNITS ARE US SURVEY FT. DISTANCES HAVE BEEN CONVERTED FROM GRID TO GROUND USING A COMBINED ADJUSTMENT FACTOR (CAF) OF 1.0000793407 SCALED FROM 0.0. A FALSE NORTHING OF 147.019' AND A FALSE EASTING OF 183.622' WAS APPLIED TO MORE CLOSELY MATCH GRID COORDINATES. ELEVATIONS SHOWN HEREON ARE BASED ON NAVD88 USING GEOID 18.
- TOPOGRAPHIC SURVEY WAS PERFORMED IN NOVEMBER 2021 AND FEBRUARY 2022.
- BOUNDARY INFORMATION SHOWN HEREON IS BASED ON RECORD INFORMATION AND FOUND MONUMENTS.



DESCRIPTION			
NO.	DATE	BY	DESCRIPTION

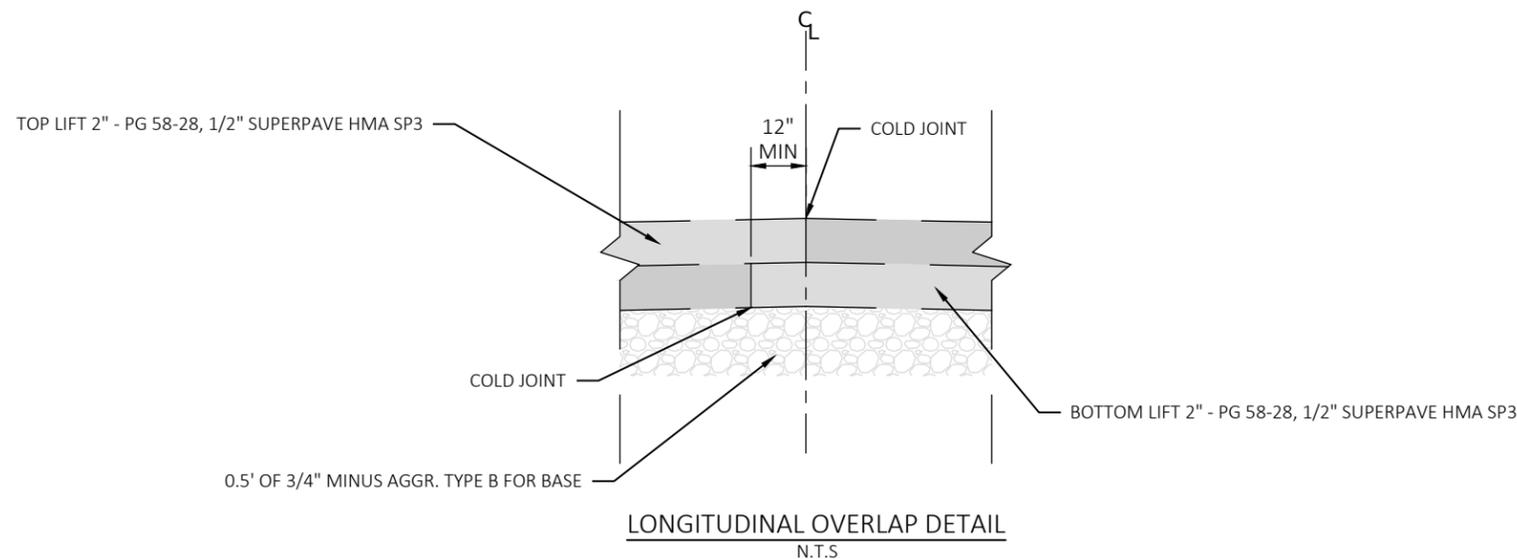
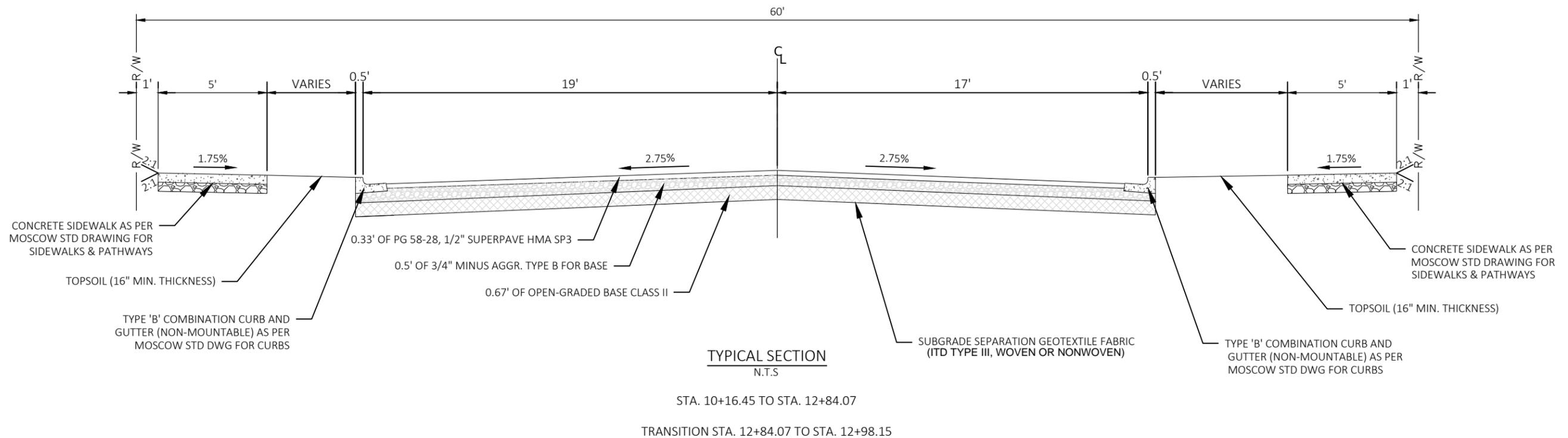
DESIGNED VICKI KLEMM	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
DESIGN CHECKED DAN INLOES	
DETAILED VICKI KLEMM	CADD FILE NAME 22402 Survey Control
DRAWING CHECKED DAN INLOES	DRAWING DATE July 2024

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HMH engineering

PROJECT NO.	A022(402)
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SURVEY CONTROL SHEET	English
PUBLIC AVENUE CORRIDOR SAFETY IMPROVEMENTS MOSCOW	COUNTY LATAH
	KEY NUMBER 22402
	SHEET 3 OF 31

PROFESSIONAL LAND SURVEYOR
 LICENSED
 20888
 08/01/2024
 STATE OF IDAHO
 DANIEL O. INLOES



NOTE: LOCATE THE LONGITUDINAL JOINT IN THE TOP COURSE AT THE CENTER LINE OF THE TRAVELED WAY. ON THE LOWER COURSES, STAGGER THE LONGITUDINAL JOINT AND OFFSET 12" FROM THE CENTER LINE OF THE TRAVELED WAY. MATCH THE PAVEMENT SURFACE ACROSS A LONGITUDINAL JOINT WITH THE TRANSVERSE SLOPE SHOWN ON TYPICAL SECTION.

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	BGS
DESIGN CHECKED	JMS
DETAILED	BGS
DRAWING CHECKED	JMS

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME 22402 TYP5
DRAWING DATE: July 2024

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HMH engineering

PROJECT NO.	A022(402)
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TYPICAL SECTIONS	PUBLIC AVENUE CORRIDOR SAFETY IMPROVEMENTS MOSCOW
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ENGLISH
COUNTY LATAH
KEY NUMBER 22402
SHEET 4 OF 31

CLEARANCES			+ CLEARED UNDER PROJECT NO.	+ APPROVAL DATE
PROJECT STANDARDS				
CHARTER APPROVAL <input type="checkbox"/> AASHTO <input type="checkbox"/> 3R <input type="checkbox"/> 1R <input checked="" type="checkbox"/> STATE			A022(402)	12/17/2020
<input type="checkbox"/> PM <input type="checkbox"/> OTHER			N/A	N/A
DESIGN EXCEPTIONS: _____			N/A	N/A
PUBLIC HEARING WAIVER _____			A022(402)	06/26/2024
PUBLIC HEARING DATE (Latest hearing date held or scheduled for opportunity) _____			N/A	N/A
DESIGN APPROVAL _____			A022(402)	06/26/2024
RECLAMATION PLAN APPROVAL NO(S) _____			N/A	N/A
AIRPORT _____			N/A	N/A
Land Survey Monument Search and Documentation (I.C.55-1613) _____			A022(402)	08/01/2024
R/W CERTIFICATE: Issued by <input checked="" type="checkbox"/> HQ <input type="checkbox"/> DISTRICT			A022(402)	08/13/2024
TRIBAL LANDS: <input type="checkbox"/> AGREEMENT REQUIRED <input type="checkbox"/> SPECIAL PROVISIONS FOR CONTRACT PROPOSAL			N/A	N/A
BRIDGE PS & E _____			N/A	N/A
ENVIRONMENTAL DECISION: TYPE <input checked="" type="checkbox"/> CAT-EX <input type="checkbox"/> FONSI <input type="checkbox"/> ROD			A022(402)	04/24/2024
ENVIRONMENTAL RE-EVALUATION _____			A022(402)	12/26/2024
PERMITS			+ EXPIRATION DATE	
IDAHO DEPARTMENT OF WATER RESOURCES PERMIT NO(S) _____			N/A	N/A
US ARMY CORPS OF ENGINEERS 404 PERMIT NO(S) _____			N/A	N/A
OTHER _____			N/A	N/A
DEQ SECTION 401 WATER QUALITY CERTIFICATION <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO				
NPDES GENERAL PERMIT/SWPPP REQUIRED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO				
POLLUTION PREVENTION PLAN REQUIRED <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO				
AGREEMENTS (List Appropriate Name)				
LOCAL: CITY _____			N/A	N/A
COUNTY _____			N/A	N/A
HIGHWAY DISTRICT _____			N/A	N/A
ROAD CLOSURE AND MAINTENANCE _____			N/A	N/A
STATE/LOCAL CONSTRUCTION CITY OF MOSCOW			A022(402)	09/05/2024
IRRIGATION DISTRICT(S): Crossing Agreement Required <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO (Signatures Required on either Structure Drawing or Bridge Sheet)				
UTILITIES: List all Utilities shown on plans			+ APPROVAL DATES	
			UTILITY HEARING WAIVER	AGREEMENT
Co. AVISTA <input type="checkbox"/> RETAIN & PROTECT			07/16/2024	N/A
Co. CHARTER/SPECTRUM <input type="checkbox"/>			11/13/2024	N/A
Co. ZIPLY <input type="checkbox"/>			11/19/2024	N/A
Co. CITY OF MOSCOW <input type="checkbox"/>			N/A	N/A
Co. _____ <input type="checkbox"/>				N/A
Co. _____ <input type="checkbox"/>				N/A
Co. _____ <input type="checkbox"/>				N/A
RAILROAD List all Railroads encroached upon			+ AGREEMENT	
			+ AGREEMENT FOR	EFFECTIVE DATE
Co. N/A			N/A	N/A
Co. N/A			N/A	N/A

ESTIMATING BASIS

TACK: CSS-1 Diluted Emulsified Asphalt for Tack Coat @ 0.08 Gal./S.Y.

PAVING: PG 58-28 asphalt binder for Superpave HMA Pavement CL SP-3 at 6% by weight of mix, including 0.5% anti-stripping additive.

AGGREGATE: 1-1/4 inch Type A Aggr. @ 143 Lb./C.F. for Base, including 7% Water.
3/4 inch Type B Aggr. @ 143 Lb./C.F. for Base, including 7% Water.
1/2 inch Aggr. @ 153 Lb./C.F. for Superpave Hot Mix Asphalt, including Asphalt and Additives.

+ ENTER "N/A" WHEN NOT APPLICABLE
 ++ LPA PROJECTS - DATE ENTERED BY ROADWAY DESIGN WHEN PROJECT SENT TO PS&E.

REVISIONS			
NO.	DATE	BY	DESCRIPTION

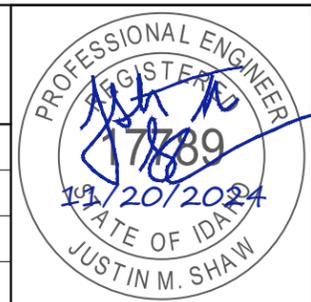
DESIGNED	BGS	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY	IDAHO TRANSPORTATION DEPARTMENT <small>YOUR Safety → YOUR Mobility → YOUR Economic Opportunity</small>
DESIGN CHECKED	JMS		
DETAILED	BGS	CADD FILE NAME	
DRAWING CHECKED	JMS	DRAWING DATE: November 2024	

PROJECT NO.
A022(402)

PROJECT CLEARANCE SUMMARY
PUBLIC AVENUE CORRIDOR SAFETY IMPROVEMENTS MOSCOW

ENGLISH

COUNTY LATAH
KEY NUMBER 22402
SHEET 6 OF 31



SHEET NUMBER				10	11	12	13	14	15	20	21	23	24	26-27	28	29	30	31
STATION - STATION				DEMO 10+16.5	DEMO 14+00.0	DEMO 18+50.0	PLPR 10+16.5	PLPR 14+00.0	PLPR 18-50.0	ECP 10+16.5	ECP 18+50.0	SPM 10+16.50	SPM 18+50.0	TRAFFIC CONTROL	UTIL 10+16.50	UTIL 14+00.0	UTIL 18+50.0	UTIL Lincoln St.
				DEMO 14+00.0	DEMO 18+50.0	DEMO 21+81.3	PLPR 14+00.0	PLPR 18+50.0	PLPR 21+81.3	ECP 18+50.0	ECP 21+81.3	SIPM 18+50.0	SIPM 21+81.3	TRAFFIC CONTROL	UTIL 14+00.0	UTIL 18+50.0	UTIL 21+81.3	UTIL Lincoln St.
ITEM NO.	ITEM	UNIT	QUANTITY															
107-019A	SURVEY MONUMENT PRESERVATION	CA	5000.0															
201-010A	CLEARING AND GRUBBING	LS	1.0															
202-005A	SELECT REM OF TREES INCLUDING STUMPS	EACH	14.0		5.0	9.0												
203-005A	REM OF OBSTRUCTIONS	LS	1.0															
203-006A	REM OF SIGN	EACH	7.0	3.0	2.0	2.0												
203-015A	REM OF BITUMINOUS SURF	SY	3819.3	1611.5	1236.1	971.7												
203-025A	REM OF CATCH BASIN	EACH	2.0	2.0														
203-055A	REM OF CONC PAV	SY	111.7	10.9	100.8													
203-060A	REM OF CONC SIDEWALK	SY	26.4	26.4														
203-065A	REM OF CURB	FT	156.3	156.3														
203-095A	REM OF MANHOLE	EACH	3.0	2.0		1.0												
203-122A	REM OF MISC ITEMS	EACH	11.0	4.0	5.0	2.0												
203-123A	REM OF MISC ITEMS	LF	1108.8	572.5	227.1	309.2												
205-005A	EXCAVATION	CY	2400.0															
205-060A	WATER FOR DUST ABATEMENT	MG	280.0															
205-095A	SOFT SPOT REPAIR	CA	10000.0															
212-020A	SILT FENCE	FT	216.0								216.0							
212-060A	STABILIZED CONST ENTRANCE	EACH	2.0							1.0	1.0							
212-095A	INLET PROTECTION	EACH	15.0							8.0	7.0							
303-022A	3/4" AGGR TYPE B FOR BASE	TON	1753.5				629.3	586.8	537.4									
307-011A	OPEN-GRADED BASE CLASS II	TON	2024.6				729.3	684.5	610.8									
405-435A	SUPERPAVE HMA PAV INCL ASPH&ADD CL SP-3	TON	1031.2				376.9	341.7	312.6									
502-065A	CONC CL 40AF	CY	7.0				7.0											
△ 605-025A	12" STORM SEWER PIPE	FT	206.0 207.2												△ -89.8	91	66.8	49.4
605-035A	18" STORM SEWER PIPE	FT	182.7														76.3	106.4
△ 605-045A	24" STORM SEWER PIPE	FT	1287.3 1295.6												△ 418.9	427.2	430.9	308.3
605-635A	ADJUST MANHOLE COVERS	EACH	4.0												1.0	1.0	2.0	129.2
605-640A	ADJUST VALVE COVERS	EACH	7.0												4.0		3.0	
606-010A	6" PIPE UNDERDRAIN	FT	20.0												20.0			
614-015A	SIDEWALK - CITY OF MOSCOW STANDARD	SY	879.9				283.9	384.7	211.3									
614-020A	DRIVEWAY - CITY OF SIDEWALK STANDARD	SY	541.7				129.5	359.7	52.5									
614-025A	CURB RAMP - CITY OF MOSCOW STANDARD	SY	100.0				57.9		42.1									
615-255A	CURB, TYPE A - CITY OF MOSCOW STANDARD	FT	94.3				94.3											
615-490A	CURB AND GUTTER, TYPE B - CITY OF MOSCOW	FT	2220.5				737.9	900.0	582.6									
616-010A	SIGN TYPE B-1	SF	40.6									27.7	12.9					
616-040J	STEEL SIGN POST TYPE E-1	FT	52.0									35.0	17					
616-040K	STEEL SIGN POST TYPE E-2	FT	28.5									19.0	9.5					
616-080A	REINSTALL SIGN FACE	EACH	2.0									2.0						
616-085A	REINSTALL SIGN POST	EACH	2.0									2.0						
626-100A	MISCELLANEOUS TEMPORARY TRAFFIC CONTROL ITEMS	CA	10000.0															
630-010A	TRANSVERSE, WORD, SYMBOL, ARROW PAV MKG - PREFORM THERMOPLASTIC	SF	420.4									311.5	108.9					
630-025A	LONGITUDINAL PAV MKG - WATERBORNE	FT	3125.7									2345.3	780.4					
634-005A	MAILBOX	EACH	9.0				3.0	4.0	2.0									
640-015A	SUBGRADE SEPARATION GEOTEXTILE TYPE III	SY	5450.0															
675-005A	SURVEY	LS	1.0															
675-010A	DIRECTED SURVEYING CREW	CA	15000.0															
S501-15A	RETAINING WALL	SF	270.0						270.0									
S600-20A	REMOVE AND REPLACE FIRE HYDRANT	EA	1.0				1.0											
S610-05A	REM & RESET FENCE	FT	442.0	198.3	243.7													
S900-10A	ADJUST CLEANOUT	EACH	4.0													2.0	2.0	
S900-50A	CONTINGENCY AMOUNT - MISCELLANEOUS WORK	CA	15000.0															
S900-50B	CONTINGENCY AMOUNT - DIRECTED LANDSCAPING	CA	15000.0															
△ S901-05A	SP - CITY OF MOSCOW STORM SEWER MANHOLE	48" EACH	9.0												△ 2.0	3.0	2.0	△ 3.0
△ S901-05B	SP - CITY OF MOSCOW CATCH BASIN TYPE 1	EACH	13.0 10.0												4.0	4.0	△ 5.0	2.0
S901-05C	SP - OWNER SPECIFIED TREE	EACH	3.0					3.0										

SHEET 1 OF 1

REVISIONS				DESIGNED	BGS	SCALES SHOWN
NO.	DATE	BY	DESCRIPTION	DESIGN CHECKED	JMS	ARE FOR 11" X 17" PRINTS ONLY
△	2/7/25	BGS	STORMWATER REVISION ADDENDUM NO.1	DETAILED	BGS	CADD FILE NAME 22402 RSSM
				DRAWING CHECKED	JMS	DRAWING DATE: July 2024

IDAHO TRANSPORTATION DEPARTMENT
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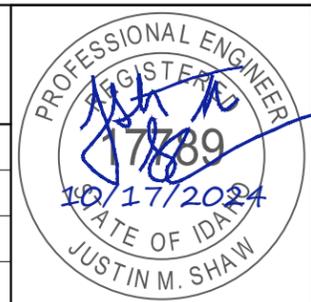


HMH engineering

PROJECT NO.
A022(402)

ROADWAY SUMMARY SHEET
PUBLIC AVENUE CORRIDOR SAFETY IMPROVEMENTS MOSCOW

ENGLISH
COUNTY LATAH
KEY NUMBER 22402
SHEET 7 OF 31



SHEET NUMBER				10	11	12	13	14	15	20	21	23	24	26-27	28	29	30	31
STATION - STATION				DEMO 10+16.5	DEMO 14+00.0	DEMO 18+50.0	PLPR 10+16.5	PLPR 14+00.0	PLPR 18-50.0	ECP 10+16.5	ECP 18+50.0	SPM 10+16.50	SPM 18+50.0	TRAFFIC CONTROL	UTIL 10+16.50	UTIL 14+00.0	UTIL 18+50.0	UTIL Lincoln St.
				DEMO 14+00.0	DEMO 18+50.0	DEMO 21+81.3	PLPR 14+00.0	PLPR 18+50.0	PLPR 21+81.3	ECP 18+50.0	ECP 21+81.3	SIPM 18+50.0	SIPM 21+81.3	TRAFFIC CONTROL	UTIL 14+00.0	UTIL 18+50.0	UTIL 21+81.3	UTIL Lincoln St.
ITEM NO.	ITEM	UNIT	QUANTITY															
S901-05D	4" STORM SEWER CONNECTION	EACH	3.0													3.0		
S901-05E	CITY OF MOSCOW STORM SEWER MANHOLE 60"	EACH	1.0														1.0	
S901-05F	CITY OF MOSCOW CATCH BASIN TYPE 1L	EACH	3.0														3.0	
S904-05A	TEMPORARY TRAFFIC CONTROL	LS	1.0															
S904-05B	LAWN REPAIR	LS	1.0															
Z629-05A	MOBILIZATION	LS	1.0															

SHEET 2 OF 2

REVISIONS			
NO.	DATE	BY	DESCRIPTION
1	02/07/25	BGS	STORMWATER REVISION ADDENDUM NO.1

DESIGNED	BGS	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
DESIGN CHECKED	JMS	
DETAILED	BGS	CADD FILE NAME 22402 RSSM
DRAWING CHECKED	JMS	DRAWING DATE: November 2024

**IDAHO
TRANSPORTATION
DEPARTMENT**

YOUR Safety→YOUR Mobility→YOUR Economic Opportunity

HMH engineering



PROJECT NO.	A022(402)
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ROADWAY SUMMARY SHEET

**PUBLIC AVENUE CORRIDOR
SAFETY IMPROVEMENTS
MOSCOW**

ENGLISH
COUNTY LATAH
KEY NUMBER 22402
SHEET 8 OF 31



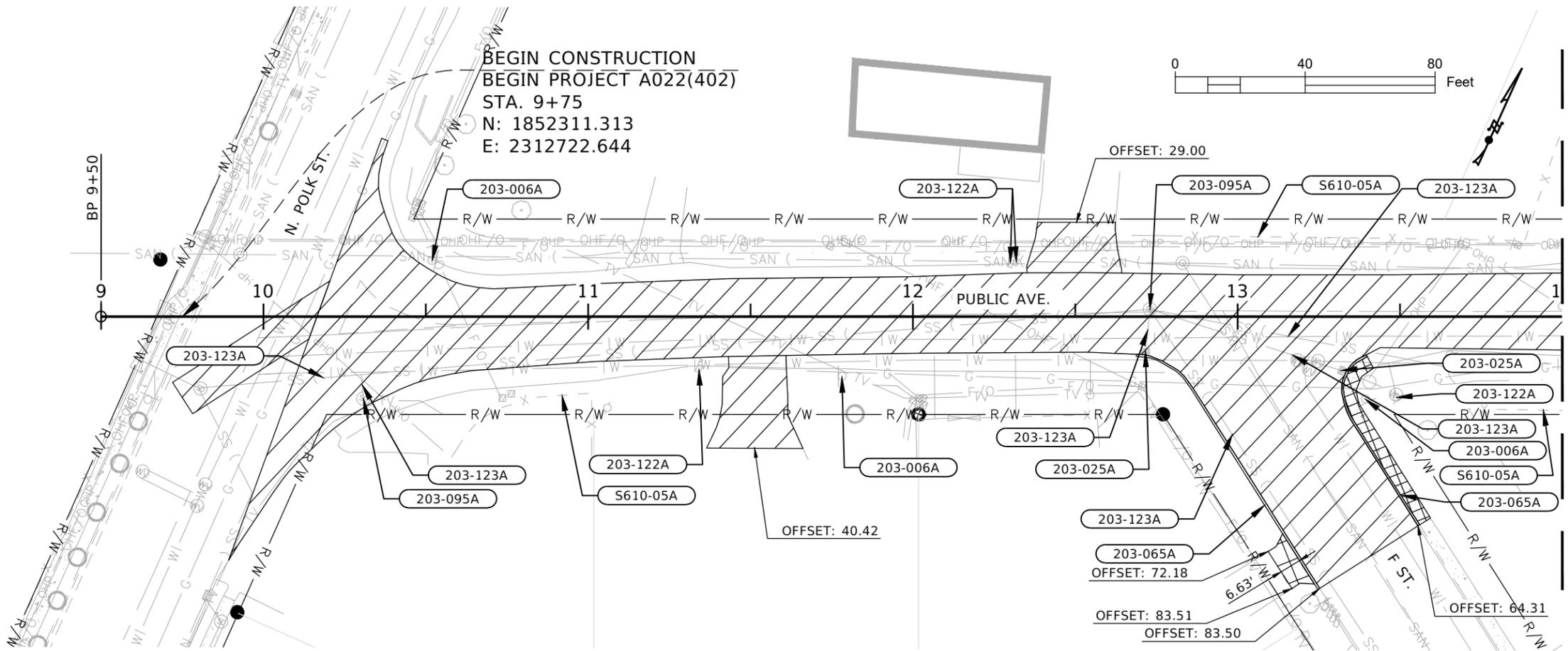
STATION TO STATION	SEWER PIPE (LENGTH IN FEET)						PLASTIC PIPE				SIPHON TYPE METAL PIPE * COATING IS REQUIRED IF CHECKED				CONCRETE PIPE			MAN-HOLES			INLETS						REMARKS
							CORRUGATED POLYETHYLENE (PE)	RIBBED POLYVINYL CHLORIDE (PVC)	SOLID WALL POLYVINYL CHLORIDE (PVC)	ABS COMPOSITE	STEEL		ALUM.		BITUMINOUS OR * POLYMER COATING	REINFORCED CLASS	NON-REINFORCED CLASS	TYPE OF BEDDING	48" MANHOLE	60" MANHOLE	CATCH BASIN	SWALE	EXISTING DRAIN	Type -----	Type -----	Type -----	
	1/2 IN CORR. DEPTH	--- CORR. DEPTH	1/4 IN TO 1/2 IN CORR. DEPTH	--- CORR. DEPTH	EA.	EA.					EA.	EA.	EA.	EA.													
	PIPE SIZE (INCHES)																										
4.0	6.0	12.0	18.0	24.0																							
09+79.92 - 10+27.00				55.9		X	X	X	X															SM0 (EXISTING MH) TO SM 1			
10+11.75 - 10+16.35		20.0				X																		SWALE TO CB2			
10+16.09 - 10+40.64			38.0			X																		CB2 TO SM1 SM10			
10+27.00 - 10+40.64				14.0		X																		SM1 TO SM10			
10+40.64 - 13+37.09				296.4		X							1											SM10 TO SM3 SM2			
10+47.95 - 10+40.64			18.2			X							1											CB1 TO SM1 SM10			
13+37.08 - 16+30.95				287.5		X							1											SM2 TO SM3			
13+37.43 - 13+37.08			7.8			X																		CB3 TO SM2			
13+56.81 - 13+37.08			27.0			X																		CB4 TO SM2			
16+20.93 - 16+30.95			22.2			X																		CB6 TO SM3			
16+30.95 - 16+35.20			8.6			X																		CB5 TO SM3			
16+30.95 - 17+51.71				111.6		X							1											SM3 TO SM4			
17+51.71 - 19+44.70				184.7		X							1											SM4 TO SM5			
17+58.06 - 17+51.71			6.0			X																		CB7 TO SM4			
17+65.51 - 17+51.71			28.0			X																		CB8 TO SM4			
17+66.90 - 17+65.51			2.0			X																		EXISTING DRAIN TO CB8			
18+88.55 - 19+44.70				106.4		X								1										SM9 TO SM5			
19+44.70 - 21+02.67				154.5		X							1											SM5 TO SM6			
19+46.69 - 19+44.70			8.8			X																		CB9 TO SM5			
19+61.60 - 19+44.70			25.1			X																		CB10 TO SM5			
21+02.67 - 21+66.45				61.8		X							2											SM6 TO SM7			
21+04.20 - 21+02.67				129.2		X							1											SM8 TO SM6			
21+66.23 - 21+66.45			15.5			X																		CB11 TO SM7			
21+67.05 - 21+66.45				12.2		X																		CB12 TO SM7			
22+33.01 - 21+67.05				64.1		X																		CB13 TO CB12			
PROJECT TOTAL		20.0	207.2	182.7	1295.6								9.0	1.0	13.0	1.0	1.0										

REVISIONS NO. DATE BY DESCRIPTION 1 2/7/25 BGS STORMWATER REVISION ADDENDUM NO.1				DESIGNED BGS DESIGN CHECKED JMS DETAILED BGS DRAWING CHECKED JMS		SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY CADD FILE NAME 22402 SPSM DRAWING DATE: November 2024		IDAHO TRANSPORTATION DEPARTMENT YOUR Safety→YOUR Mobility→YOUR Economic Opportunity HMH engineering		PROJECT NO. A022(402)		SEWER PIPE SUMMARY PUBLIC AVENUE CORRIDOR SAFETY IMPROVEMENTS MOSCOW				ENGLISH COUNTY LATAH KEY NUMBER 22402 SHEET 9 OF 31			
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LEGEND:

-  203-015A
REM OF BITUMINOUS SURF
-  203-055A
REM OF CONCRETE PAV
-  203-060A
REM OF CONCRETE SIDEWALK

- 203-006A REM OF SIGN
1 EACH
STA 10+52.91 LT
1 EACH
STA 11+77.19 RT
1 EACH
STA 13+39.80 RT
- 203-015A REM OF BITUMINOUS SURF
1,498.7 SY
STA 10+00.00 - 14+00.00
67.5 SY
STA 11+40.85 - 11+61.45 RT
45.3 SY
STA 12+35.08 - 12+64.21 LT
- 203-025A REM OF CATCH BASIN
1 EACH
STA 12+71.58 RT
1 EACH
STA 13+31.93 RT
- 203-055A REM OF CONC PAV
10.9 SY
STA 13+09.35 - 13+23.57 RT
- 203-060A REM OF CONC SIDEWALK
26.4 SY
STA 13+32.53 - 13+59.35 RT
- 203-065A REM OF CURB
94.0 FT
STA 12+68.74 - 13+25.23 RT
62.3 FT
STA 13+39.53 - 13+55.50 RT
- 203-095A REM OF MANHOLE
1 EACH
STA 10+30.74 RT
1 EACH
STA 12+72.99 LT
- 203-122A REM OF MISC ITEMS
1 MAILBOX EACH
STA 11+34.10 RT
1 MAILBOX EACH
STA 12+29.95 LT
1 MAILBOX EACH
STA 12+31.77 LT
1 FIRE HYDRANT EACH
STA 13+48.95 RT
- 203-123A REM OF MISC ITEMS
294.1 FT OF PIPE
STA 9+79.92 RT - 12+72.99 LT
7.4 FT OF PIPE
STA 10+30.13 - 10+30.74 RT
12.9 FT OF PIPE
STA 12+71.58 RT - 12+72.99 LT
100.4 FT OF PIPE
STA 12+72.99 LT - 13+28.21 RT
61.9 FT OF PIPE
STA 12+72.88 LT - 13+31.93 RT
95.8 FT OF PIPE
STA 12+72.99 LT - 13+67.08 RT
- S610-05A REM & RES FENCE
39.2 FT
STA 10+69.41 - 11+01.04 RT
128.2 FT
STA 12+67.24 - 13+90.60 LT
30.9 FT
STA 13+71.08 - 14+00.00 RT



BEGIN CONSTRUCTION
 BEGIN PROJECT A022(402)
 STA. 9+75
 N: 1852311.313
 E: 2312722.644

MATCHLINE - STA: 14+00.00

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	BGS	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY CADD FILE NAME 22402 DEMO DRAWING DATE: July 2024
DESIGN CHECKED	JMS	
DETAILED	BGS	
DRAWING CHECKED	JMS	

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TRANSPORTATION
DEPARTMENT
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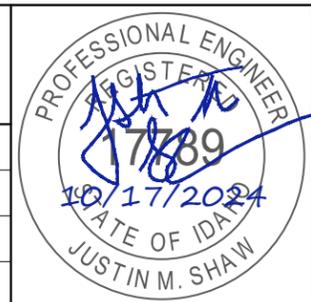


HMH engineering

PROJECT NO.	A022(402)
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DEMO PLAN	PUBLIC AVENUE CORRIDOR SAFETY IMPROVEMENTS MOSCOW
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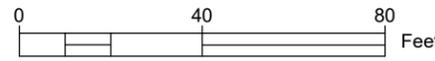
ENGLISH	
COUNTY	LATAH
KEY NUMBER	22402
SHEET	10 OF 31



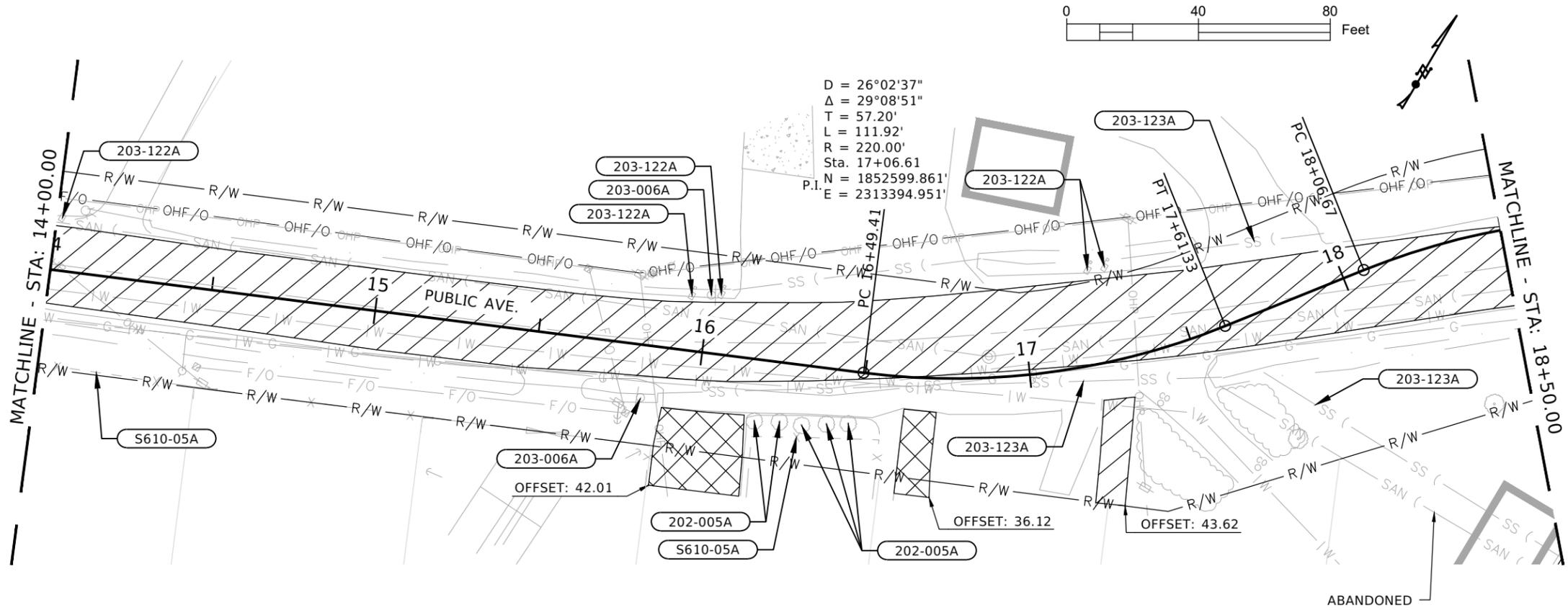
LEGEND:

-  203-015A
REM OF BITUMINOUS SURF
-  203-055A
REM OF CONCRETE PAV

- 202-005A SELECT REM OF TREES INCLUDING STUMPS
 - 1 EACH STA 16+18.36 RT
 - 1 EACH STA 16+25.98 RT
 - 1 EACH STA 16+32.79 RT
 - 1 EACH STA 16+40.22 RT
 - 1 EACH STA 16+46.76 RT
- 203-006A REM OF SIGN
 - 1 EACH STA 15+82.15 RT
 - 1 EACH STA 16+01.71 LT
- 203-015A REM OF BITUMINOUS SURF
 - 1,203.8 SY STA 14+00.00 - 18+50.00
 - 32.3 SY STA 17+13.36 - 17+29.56 RT
- 203-055A REM OF CONC PAV
 - 71.9 SY STA 15+88.90 - 16+15.99 RT
 - 28.9 SY STA 16+61.50 - 16+71.80 RT
- 203-122A REM OF MISC ITEMS
 - 1 MAILBOX EACH STA 14+02.17 LT
 - 1 MAILBOX EACH STA 15+94.80 LT
 - 1 MAILBOX EACH STA 16+03.65 LT
 - 1 MAILBOX EACH STA 17+23.80 LT
 - 1 MAILBOX EACH STA 17+29.76 LT
- 203-123A REM OF MISC ITEMS
 - 20.6 FT OF PIPE STA 15+45.97 - 15+66.55 RT
 - 171.5 FT OF PIPE STA 15+88.10 - 17+55.04 RT
 - 35.0 FT OF PIPE STA 17+66.90 - 17+92.03 RT
- S610-05A REM & RES FENCE
 - 187.9 FT STA 14+00.00 - 15+87.68 RT
 - 55.8 FT STA 16+18.32 - 16+55.90 RT



D = 26°02'37"
 Δ = 29°08'51"
 T = 57.20'
 L = 111.92'
 R = 220.00'
 Sta. 17+06.61
 N = 1852599.861'
 E = 2313394.951'
 P.I.



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	BGS	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY CADD FILE NAME 22402 DEMO DRAWING DATE: July 2024
DESIGN CHECKED	JMS	
DETAILED	BGS	
DRAWING CHECKED	JMS	

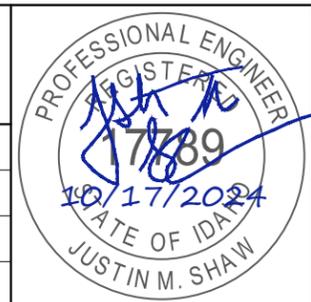
IDAHO TRANSPORTATION DEPARTMENT
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HMH engineering

PROJECT NO.
 A022(402)

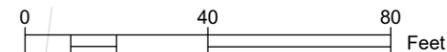
DEMO PLAN
 PUBLIC AVENUE CORRIDOR SAFETY IMPROVEMENTS
 MOSCOW

ENGLISH
 COUNTY LATAH
 KEY NUMBER 22402
 SHEET 11 OF 31



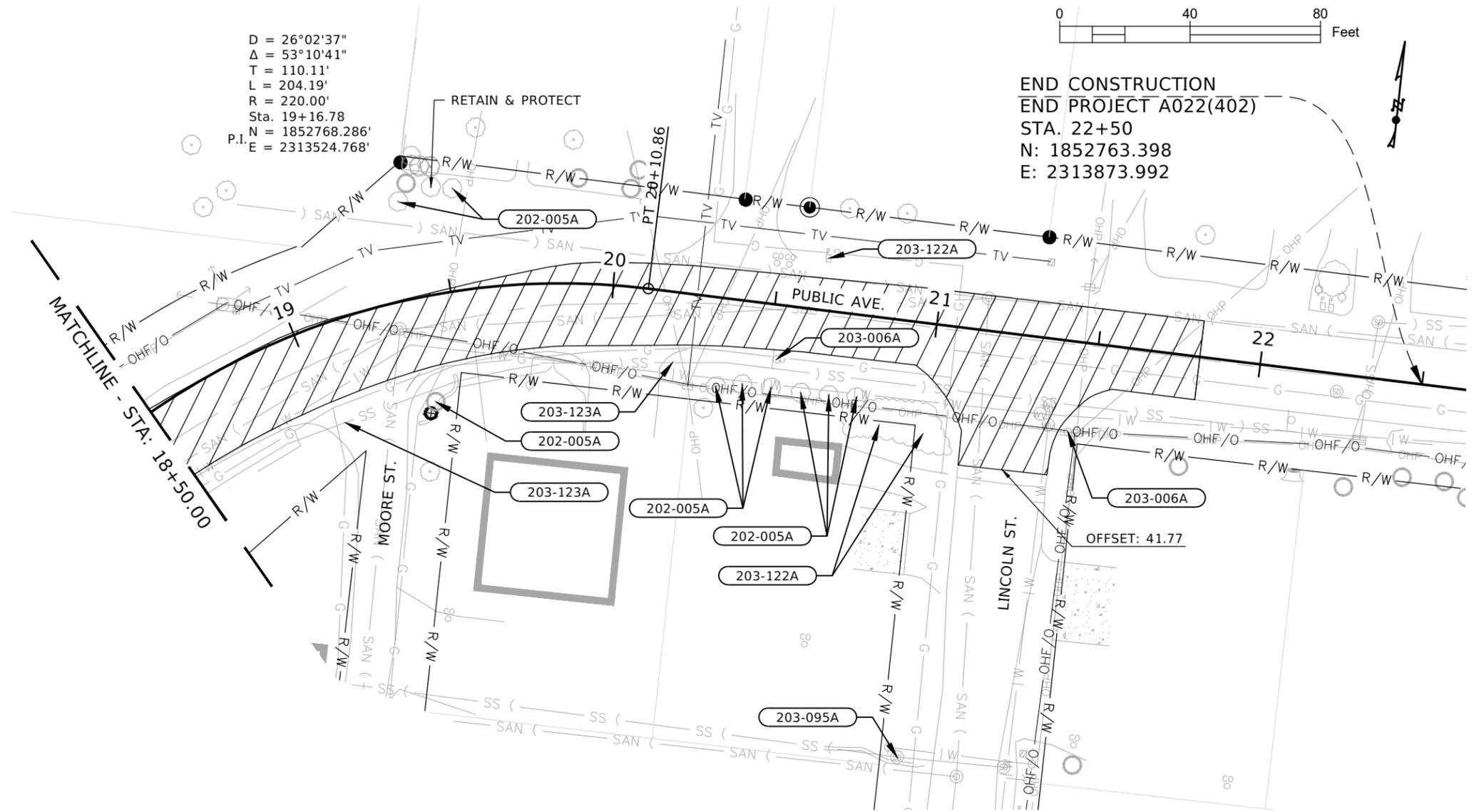
LEGEND:

203-015A
REM OF BITUMINOUS SURF



D = 26°02'37"
Δ = 53°10'41"
T = 110.11'
L = 204.19'
R = 220.00'
Sta. 19+16.78
N = 1852768.286'
P.I. E = 2313524.768'

END CONSTRUCTION
END PROJECT A022(402)
STA. 22+50
N: 1852763.398
E: 2313873.992



- 202-005A SELECT REM OF TREES INCLUDING STUMPS
- 1 EACH STA 19+38.64 RT
- 1 EACH STA 19+39.71 LT
- 1 EACH STA 19+54.66 LT
- 1 EACH STA 20+35.11 RT
- 1 EACH STA 20+43.05 RT
- 1 EACH STA 20+51.89 RT
- 1 EACH STA 20+61.17 RT
- 1 EACH STA 20+69.78 RT
- 1 EACH STA 20+78.31 RT
- 203-006A REM OF SIGN
- 1.0 EACH STA 20+51.56 RT
- 1.0 EACH STA 21+43.93 RT
- 203-015A REM OF BITUMINOUS SURF
- 971.7 SY STA 18+50.00 - 21+81.34
- 203-095A REM OF MANHOLE
- 1 EACH STA 21+04.20 RT
- 203-122A REM OF MISC ITEMS
- 1 MAILBOX EACH STA 20+64.68 LT
- 1 BUSH EACH STA 20+94.00 RT
- 203-123A REM OF MISC ITEMS
- 56.7 FT OF PIPE STA 18+83.23 - 19+48.55 RT
- 252.5 FT OF PIPE STA 19+77.11 - 22+33.01 RT

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	BGS	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY CADD FILE NAME 22402 DEMO DRAWING DATE: July 2024
DESIGN CHECKED	JMS	
DETAILED	BGS	
DRAWING CHECKED	JMS	

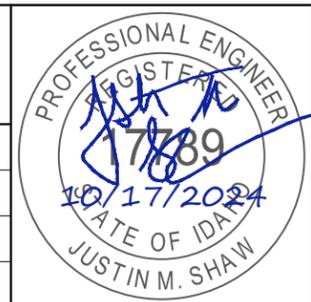
IDAHO TRANSPORTATION DEPARTMENT
 YOUR Safety → YOUR Mobility → YOUR Economic Opportunity

HMH engineering

PROJECT NO.
A022(402)

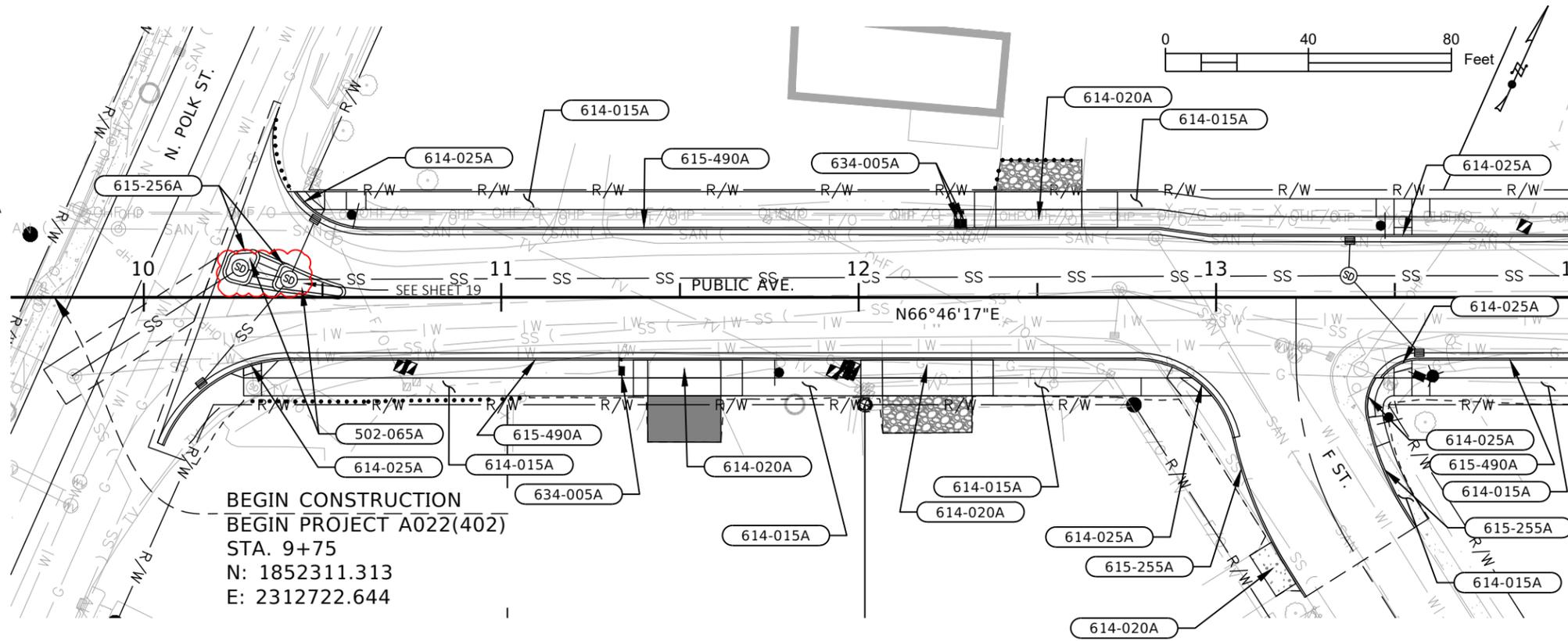
DEMO PLAN
PUBLIC AVENUE CORRIDOR SAFETY IMPROVEMENTS MOSCOW

ENGLISH
 COUNTY LATAH
 KEY NUMBER 22402
 SHEET 12 OF 31



LEGEND:

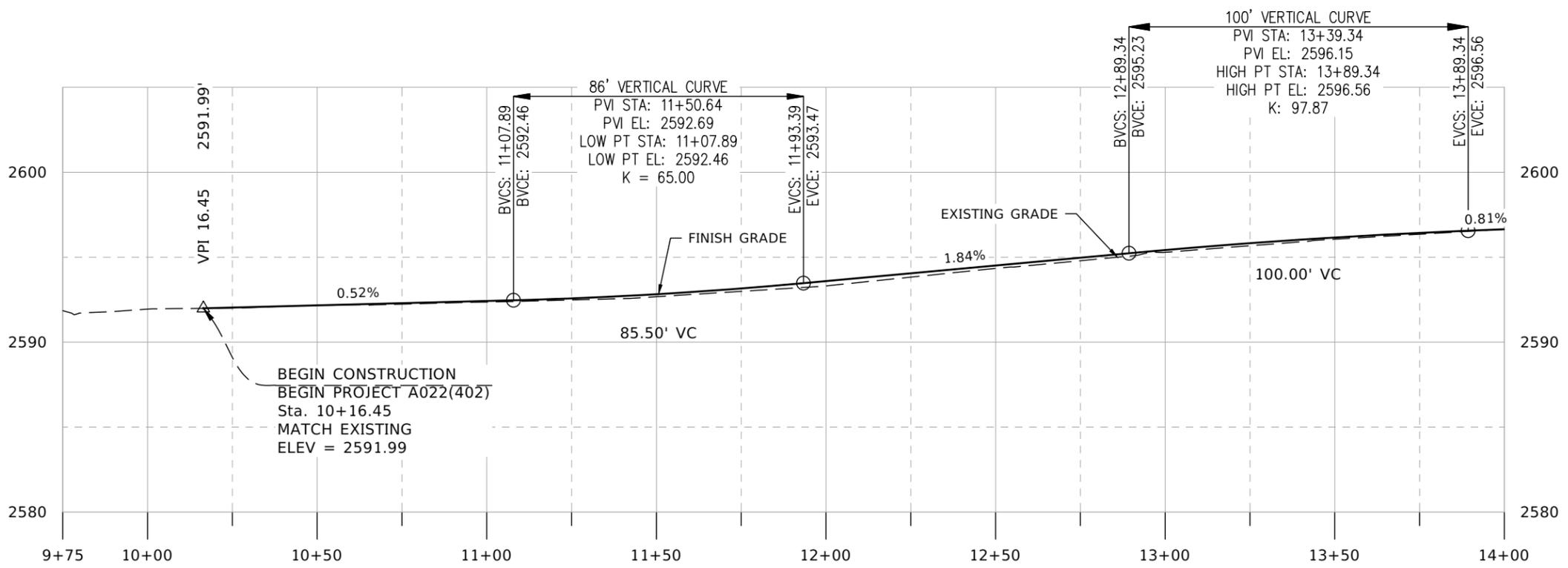
-  614-020A
DRIVEWAY
CONCRETE
-  303-022A
DRIVEWAY ¾"
AGG. TY B
-  405-435A
DRIVEWAY
SUPERPAVE HMA



BEGIN CONSTRUCTION
 BEGIN PROJECT A022(402)
 STA. 9+75
 N: 1852311.313
 E: 2312722.644

MATCHLINE - STA: 14+00.00

- 502-065A CONC CL 40AF
2.8 CY
STA 10+23.16 - 10+30.35 LT
4.2 CY
STA 10+36.99 - 10+54.77 LT
- 614-015A CITY OF MOSCOW SIDEWALK
57.8 SY
STA 10+32.94 - 11+36.95 RT
97.0 SY
STA 10+57.89 - 12+32.40 LT
18.4 SY
STA 11+67.45 - 12+00.65 RT
23.5 SY
STA 12+37.65 - 12+83.78 RT
40.3 SY
STA 12+72.39 - 13+44.80 LT
14.6 SY
STA 13+42.65 - 13+59.30 RT
22.3 SY
STA 13+59.80 - 14+00.00 RT
10.0 SY
STA 13+59.80 - 14+00.00 LT
- 614-020A CITY OF MOSCOW DRIVEWAY
33.9 SY
STA 11+52.20, 17.5' RT
41.1 SY
STA 12+19.11, 17.5' RT
44.4 SY
STA 12+50.40, 19.5' LT
10.1 SY
STA 13+18.79, 74.2' RT
- 614-025A CITY OF MOSCOW PED RAMP
6.5 SY
STA 10+30.41, 20.3' RT
7.5 SY
STA 10+45.77, 25.2' LT
14.9 SY
STA 12+99.98, 28.1' RT
10.1 SY
STA 13+42.57, 27.8' RT
7.8 SY
STA 13+52.30, 18.3' RT
11.1 SY
STA 13+52.30, 17.5' LT
- 615-255A CITY OF MOSCOW CURB TYPE 'A'
49.0 FT
STA 13+05.14 - 13+25.23 RT
45.3 FT
STA 13+44.72 - 13+55.49 RT
- 615-490A CITY OF MOSCOW CURB & GUTTER TYPE 'B'
320.5 FT
STA 10+05.22 - 13+05.14 RT
361.6 FT
STA 10+42.01 - 14+00.00 LT
55.8 FT
STA 13+45.85 - 14+00.00 RT
- 634-005A MAILBOX
1 EACH
STA 11+33.70 RT
1 EACH
STA 12+27.57 LT
1 EACH
STA 12+29.37 LT



REVISIONS			
NO.	DATE	BY	DESCRIPTION
1	02/07/25	BGS	STORMWATER REVISION

DESIGNED	BGS	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY CADD FILE NAME 22402 PLPR DRAWING DATE: November 2024
DESIGN CHECKED	JMS	
DETAILED	BGS	
DRAWING CHECKED	JMS	

IDAHO
TRANSPORTATION
DEPARTMENT
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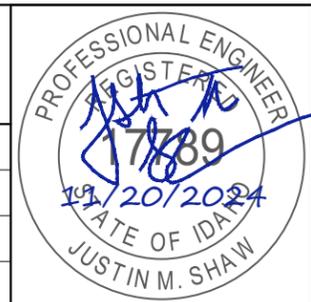
HMH engineering

PROJECT NO.	A022(402)
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PLAN & PROFILE

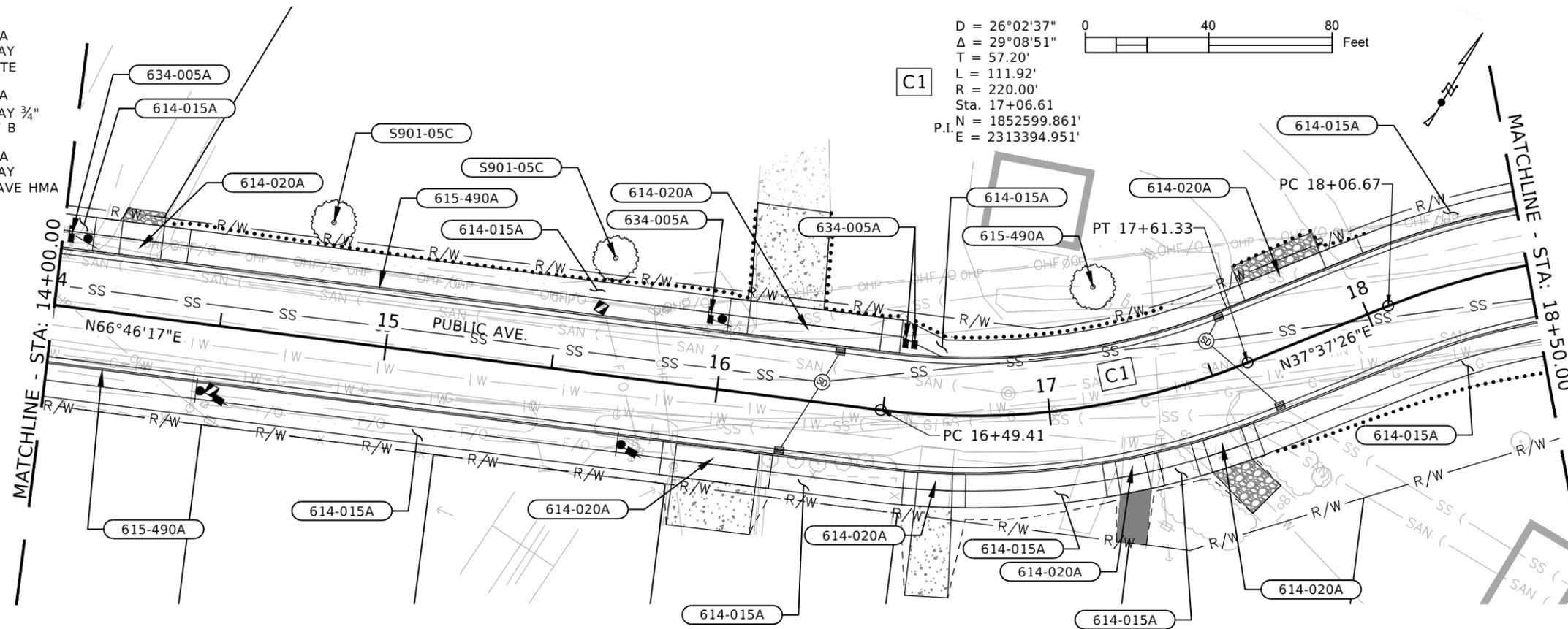
PUBLIC AVENUE CORRIDOR
SAFETY IMPROVEMENTS
MOSCOW

ENGLISH
COUNTY LATAH
KEY NUMBER 22402
SHEET 13 OF 31



LEGEND:

-  614-020A
DRIVEWAY
CONCRETE
-  303-022A
DRIVEWAY 3/4"
AGG. TY B
-  405-435A
DRIVEWAY
SUPERPAVE HMA



614-015A SIDEWALK - CITY OF MOSCOW

- 5.2 SY STA 14+00.00 - 14+09.30 LT
- 103.3 SY STA 14+00.00 - 15+85.98 RT
- 90.5 SY STA 14+37.80 - 16+00.77 LT
- 22.2 SY STA 16+18.98 - 16+57.95 RT
- 55.3 SY STA 16+53.09 - 17+61.52 LT
- 23.5 SY STA 16+74.88 - 17+12.62 RT
- 6.1 SY STA 17+28.06 - 17+38.99 RT
- 50.6 SY STA 17+56.48 - 18+50.00 RT
- 28.0 SY STA 18+03.52 - 18+50.00 LT

614-020A DRIVEWAY - CITY OF MOSCOW

- 31.7 SY STA 14+23.55, 17.5' LT
- 76.8 SY STA 16+02.48, 17.5' RT
- 128.8 SY STA 16+26.78, 17.5' LT
- 56.8 SY STA 16+66.54, 17.5' RT
- 19.0 SY STA 17+20.76, 17.5' RT
- 22.2 SY STA 17+47.41, 17.5' RT
- 24.4 SY STA 17+83.52, 17.5' LT

615-490A CURB AND GUTTER, TYPE B - CITY OF MOSCOW

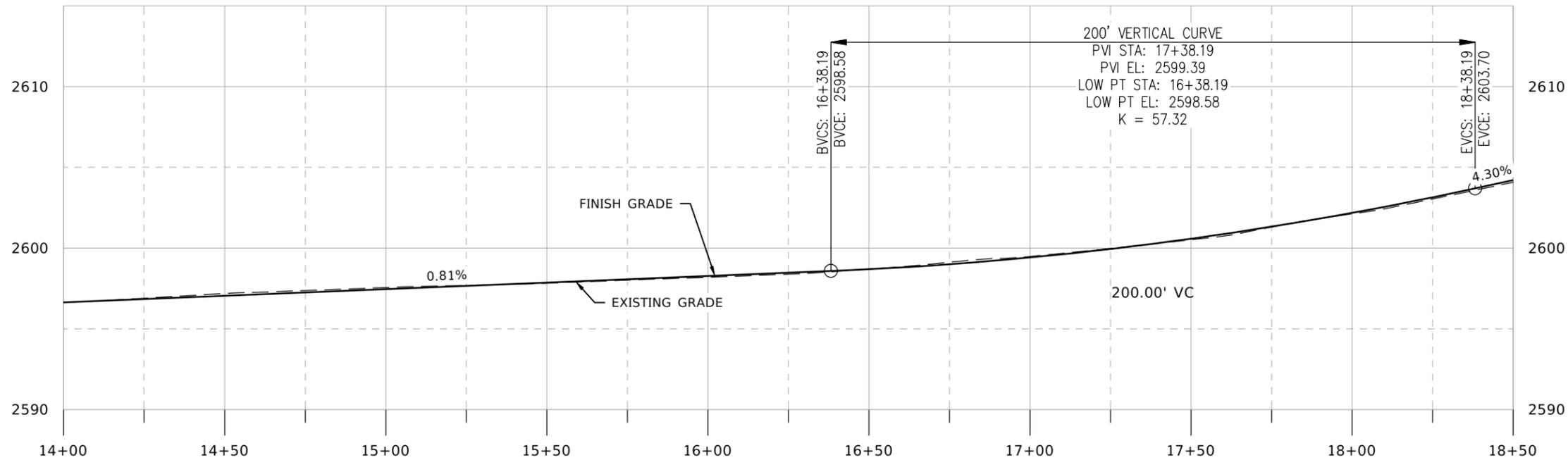
- 444.2 FT STA 14+00.00 - 18+50.00 LT
- 455.8 FT STA 14+00.00 - 18+50.00 RT

634-005A MAILBOX

- 1 EACH STA 14+02.52 LT
- 1 EACH STA 15+95.36 LT
- 1 EACH STA 16+54.74 LT
- 1 EACH STA 16+57.67 LT

S901-05C SP - OWNER SPECIFIED TREE

- 1 EACH STA 14+80.00 OFF 35.0' LT
- 1 EACH STA 15+65.00 OFF 35.0' LT
- 1 EACH STA 17+20.00 OFF 35.0' LT



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	BGS	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY CADD FILE NAME 22402 PLPR DRAWING DATE: July 2024
DESIGN CHECKED	JMS	
DETAILED	BGS	
DRAWING CHECKED	JMS	

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DEPARTMENT
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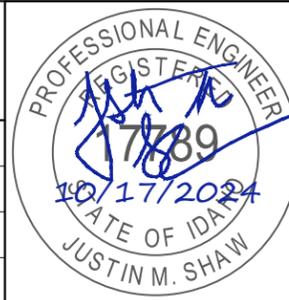
HMH engineering

PROJECT NO.	A022(402)
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PLAN & PROFILE

PUBLIC AVENUE CORRIDOR
SAFETY IMPROVEMENTS
MOSCOW

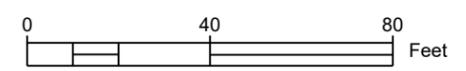
ENGLISH	
COUNTY	LATAH
KEY NUMBER	22402
SHEET	14 OF 31



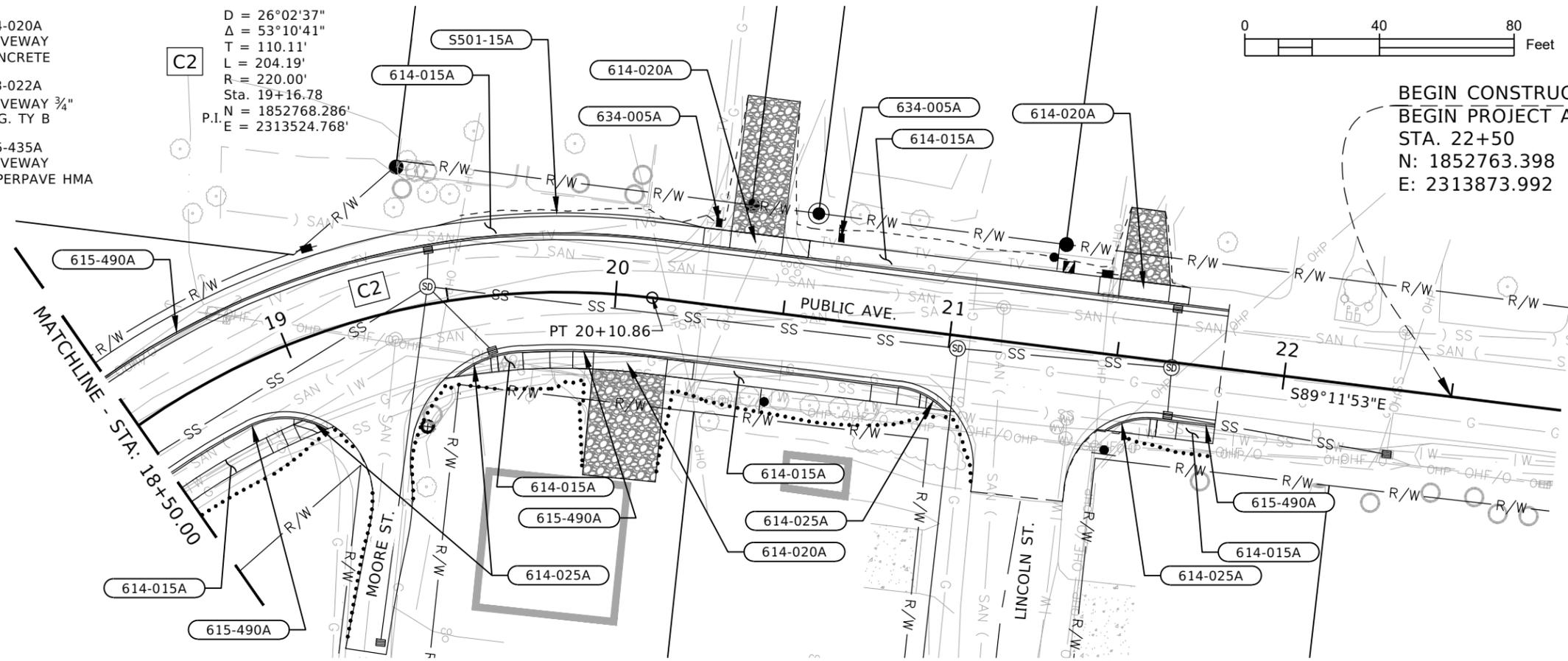
LEGEND:

-  614-020A
DRIVEWAY
CONCRETE
-  303-022A
DRIVEWAY 3/4"
AGG. TY B
-  405-435A
DRIVEWAY
SUPERPAVE HMA

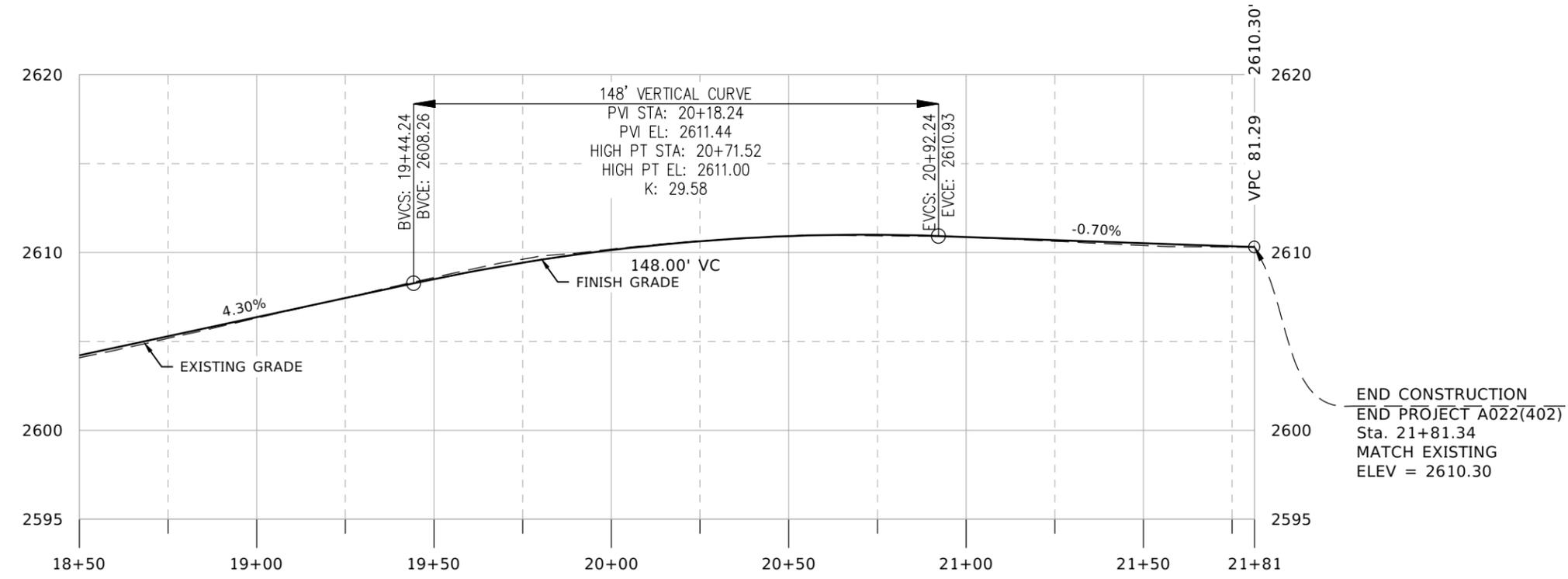
D = 26°02'37"
 Δ = 53°10'41"
 T = 110.11'
 L = 204.19'
 R = 220.00'
 Sta. 19+16.78
 P.I. N = 1852768.286'
 E = 2313524.768'



BEGIN CONSTRUCTION
BEGIN PROJECT A022(402)
 STA. 22+50
 N: 1852763.398
 E: 2313873.992



- 614-015A** SIDEWALK - CITY OF MOSCOW
 - 104.7 SY STA 18+50.00 - 20+23.83 LT
 - 18.8 SY STA 18+50.00 - 18+88.09 RT
 - 3.8 SY STA 19+80.00 - 19+87.33 RT
 - 29.5 SY STA 20+25.61 - 20+78.74 RT
 - 48.3 SY STA 20+55.33 - 21+42.19 LT
 - 6.2 SY STA 21+70.18 - 21+81.34 RT
- 614-020A** DRIVEWAY - CITY OF MOSCOW
 - 20.0 SY STA 20+06.16, 17.5' RT
 - 17.5 SY STA 20+39.56, 17.5' LT
 - 15.0 SY STA 21+69.19, 17.5' LT
- 614-025A** CURB RAMP - CITY OF MOSCOW
 - 6.8 SY STA 18+99.83, 26.3' RT
 - 11.5 SY STA 19+55.43, 24.5' RT
 - 14.2 SY STA 20+94.69, 20.4' RT
 - 9.6 SY STA 21+55.8, 20.1' RT
- 615-490A** CURB AND GUTTER, TYPE B - CITY OF MOSCOW
 - 344.9 FT STA 18+50.00 - 21+81.34 LT
 - 51.8 FT STA 18+50.00 - 19+03.32 RT
 - 151.5 FT STA 19+48.08 - 21+02.43 RT
 - 34.4 FT STA 21+48.48 - 21+81.34 RT
- 634-005A** MAILBOX
 - 1 EACH STA 20+27.85 LT
 - 1 EACH STA 20+64.56 LT
- S501-15A** RETAINING WALL
 - 270.0 SF



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	BGS	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY CADD FILE NAME 22402 PLPR DRAWING DATE: July 2024
DESIGN CHECKED	JMS	
DETAILED	BGS	
DRAWING CHECKED	JMS	

IDAHO
TRANSPORTATION
DEPARTMENT

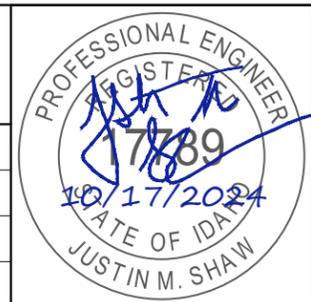
YOUR Safety → YOUR Mobility → YOUR Economic Opportunity

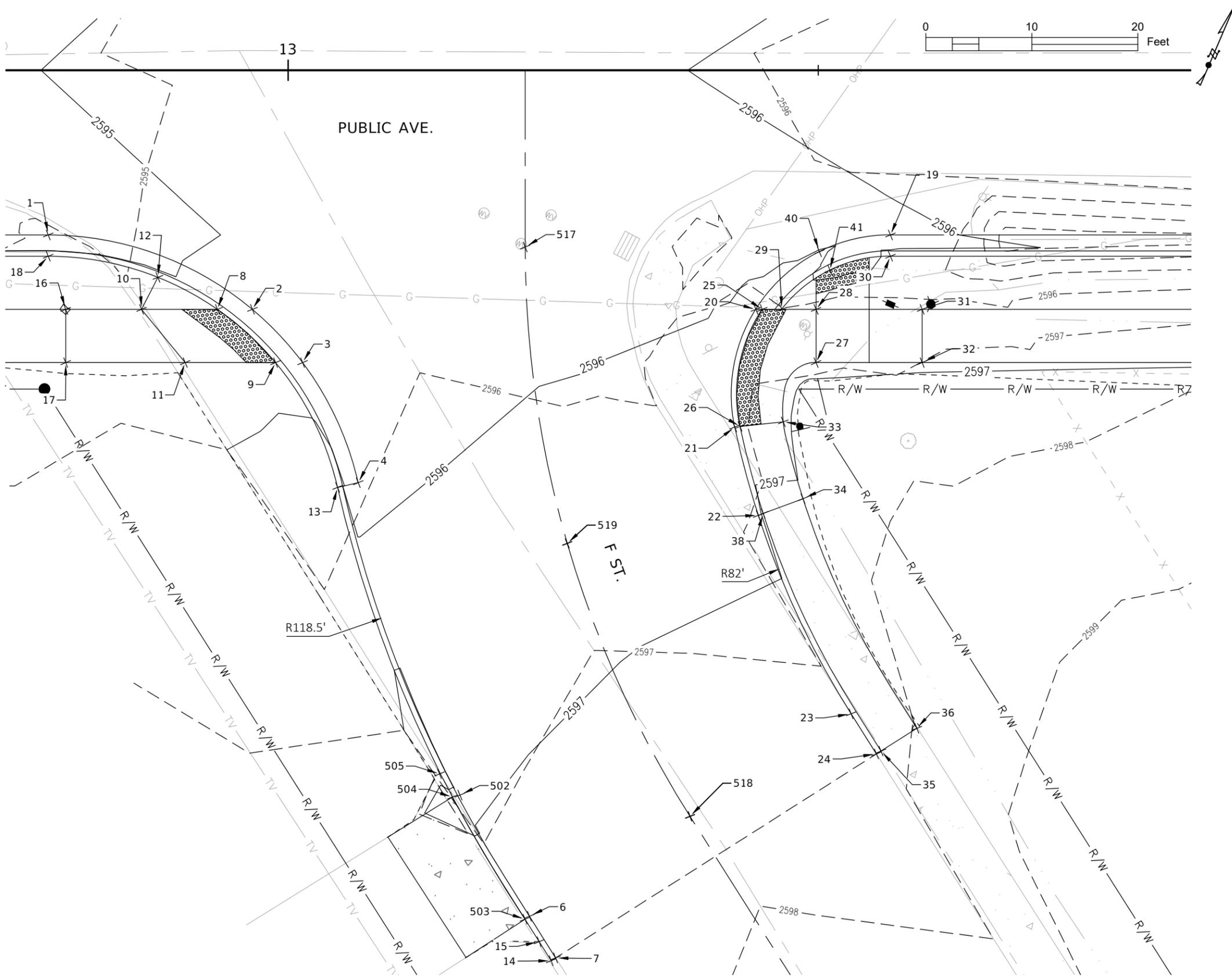
HMH engineering

PROJECT NO.
A022(402)

PLAN & PROFILE
PUBLIC AVENUE CORRIDOR
SAFETY IMPROVEMENTS
MOSCOW

ENGLISH
 COUNTY
 LATAH
 KEY NUMBER
 22402
 SHEET 15 OF 31





Point Table				
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1852416.321	2313006.608	2594.70	EOP
2	1852417.485	2313027.069	2595.29	EOP
3	1852414.759	2313033.395	2595.43	EOP
4	1852406.444	2313042.669	2595.82	EOP
6	1852375.333	2313073.600	2597.30	EOP
7	1852372.709	2313077.416	2597.94	EOP
8	1852416.186	2313024.043	2595.30	RAMP/BOC
9	1852413.752	2313031.050	2595.40	RAMP/BOC
10	1852413.362	2313017.463	2595.12	RAMP
11	1852410.390	2313023.216	2595.25	RAMP
12	1852416.742	2313017.685	2595.42	BOC
13	1852405.264	2313041.053	2596.27	BOC
14	1852372.297	2313077.133	2597.94	BOC
15	1852373.501	2313075.382	2597.88	BOC
16	1852410.539	2313010.886	2594.99	SDWK
17	1852405.945	2313012.858	2595.08	SDWK
18	1852414.483	2313007.397	2595.07	BOC
19	1852447.656	2313079.617	2596.39	EOP
20	1852436.219	2313070.718	2596.13	EOP
21	1852425.271	2313073.244	2596.27	EOP
22	1852418.504	2313078.559	2596.69	EOP
23	1852404.804	2313093.980	2597.70	EOP
24	1852402.281	2313097.659	2597.84	EOP
25	1852436.453	2313071.265	2596.13	RAMP/BOC
26	1852425.518	2313073.681	2596.61	RAMP/BOC
27	1852433.862	2313077.906	2596.23	RAMP
28	1852438.457	2313075.934	2596.15	RAMP
29	1852437.182	2313072.962	2596.13	BOC
30	1852445.818	2313080.406	2596.77	BOC
31	1852442.401	2313085.123	2596.44	SDWK
32	1852437.806	2313087.095	2596.53	SDWK
33	1852427.514	2313077.261	2596.63	SDWK
34	1852421.610	2313081.821	2597.12	SDWK
35	1852402.696	2313097.944	2597.84	SDWK
36	1852405.997	2313100.203	2597.91	SDWK
38	1852418.849	2313078.922	2597.19	BOC
40	1852443.563	2313074.084	2596.27	EOP
41	1852442.359	2313075.687	2596.44	BOC
502	1852383.219	2313063.078	2596.91	EOP
503	1852374.918	2313073.322	2597.30	BOC
504	1852382.774	2313062.499	2596.85	BOC
505	1852384.297	2313060.524	2597.30	BOC
517	1852433.029	2313048.405	2595.51	RDCL
518	1852389.951	2313083.812	2597.57	RDCL
519	1852408.972	2313063.045	2596.54	RDCL

REVISIONS			
NO.	DATE	BY	DESCRIPTION

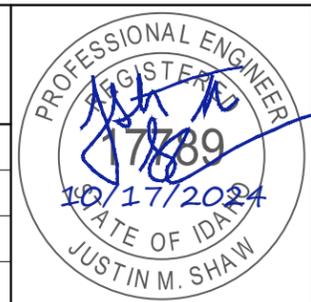
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DESIGN CHECKED	JMS	
DETAILED	BGS	
DRAWING CHECKED	JMS	

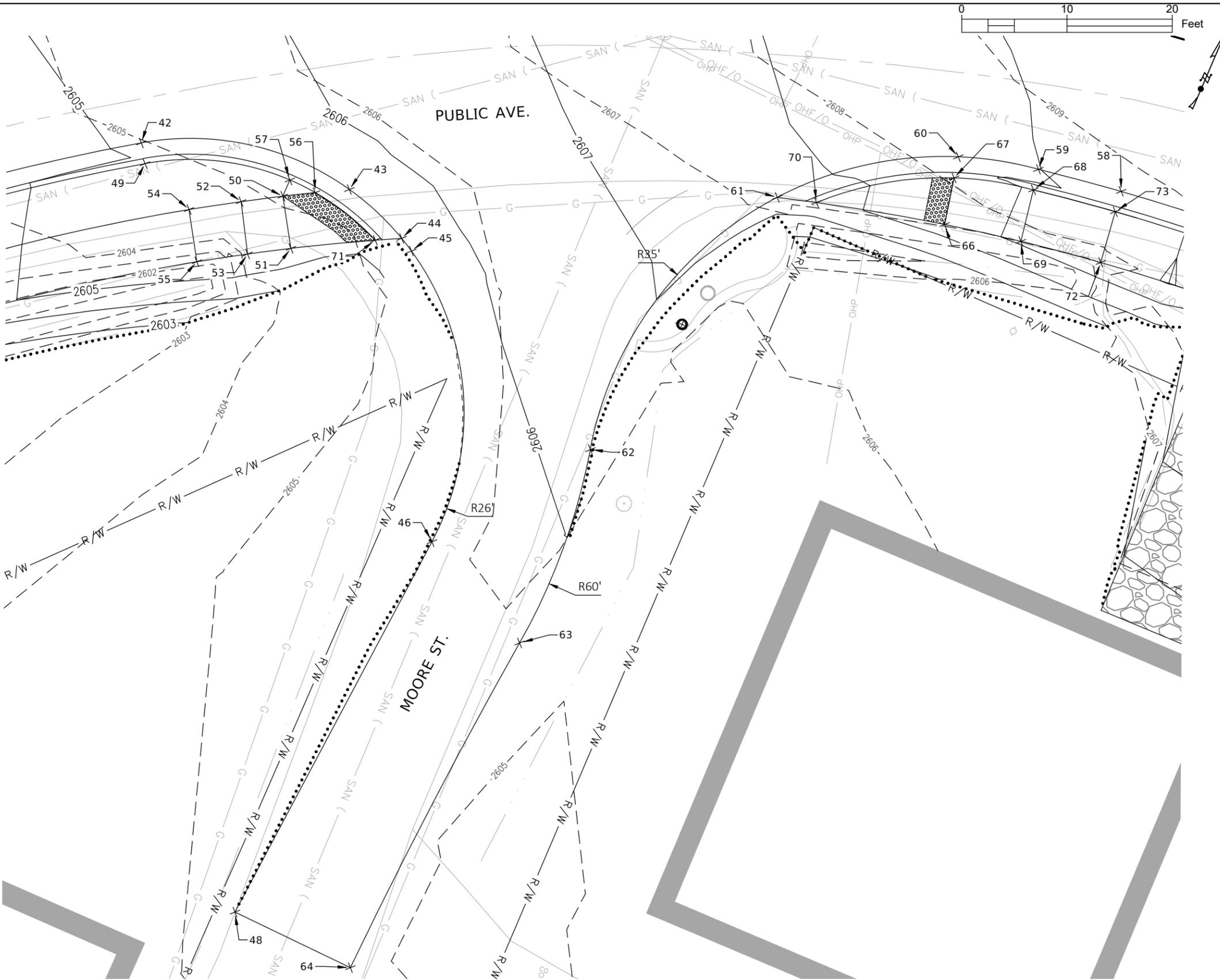
IDAHO TRANSPORTATION DEPARTMENT
 YOUR Safety → YOUR Mobility → YOUR Economic Opportunity
HMH engineering

PROJECT NO.
A022(402)

INTERSECTION GRADING
PUBLIC AVENUE CORRIDOR SAFETY IMPROVEMENTS MOSCOW

ENGLISH
 COUNTY LATAH
 KEY NUMBER 22402
 SHEET 16 OF 31





Point Table				
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
42	1852717.146	2313518.696	2605.14	EOP
43	1852720.889	2313538.604	2605.56	EOP
44	1852718.589	2313544.998	2605.62	EOP
45	1852717.858	2313546.320	2605.64	EOP
46	1852693.296	2313558.982	2605.88	EOP
48	1852653.646	2313555.634	2605.33	EOP
49	1852715.480	2313519.802	2605.52	BOC
50	1852717.810	2313533.049	2605.74	RAMP
51	1852713.567	2313535.707	2605.83	RAMP
52	1852715.777	2313529.608	2605.87	SDWK
53	1852711.457	2313532.127	2605.97	SDWK
54	1852713.135	2313525.361	2605.77	SDWK
55	1852708.881	2313527.989	2605.86	SDWK
56	1852719.336	2313535.740	2605.50	RAMP/BOC
57	1852719.484	2313533.047	2605.50	BOC
58	1852749.639	2313606.042	2609.27	EOP
59	1852748.455	2313597.996	2608.99	EOP
60	1852746.541	2313590.536	2608.59	EOP
61	1852736.229	2313576.251	2607.72	EOP
62	1852707.257	2313569.361	2606.25	EOP
63	1852687.752	2313570.419	2605.68	EOP
64	1852653.139	2313567.783	2605.14	EOP
66	1852740.145	2313591.870	2608.56	RAMP
67	1852744.557	2313590.950	2608.48	RAMP/BOC
68	1852746.483	2313598.329	2609.09	RAMP/BOC
69	1852741.530	2313599.166	2609.16	SDWK
70	1852737.260	2313579.865	2607.68	RAMP/BOC
71	1852717.442	2313542.763	2605.58	RAMP/BOC
72	1852742.681	2313606.924	2609.73	SDWK
73	1852747.655	2313606.293	2609.65	BOC

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	BGS
DESIGN CHECKED	JMS
DETAILED	BGS
DRAWING CHECKED	JMS

SCALES SHOWN
 ARE FOR 11" X 17"
 PRINTS ONLY
 CADD FILE NAME
 22402 GRAD
 DRAWING DATE:
 July 2024

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TRANSPORTATION
DEPARTMENT
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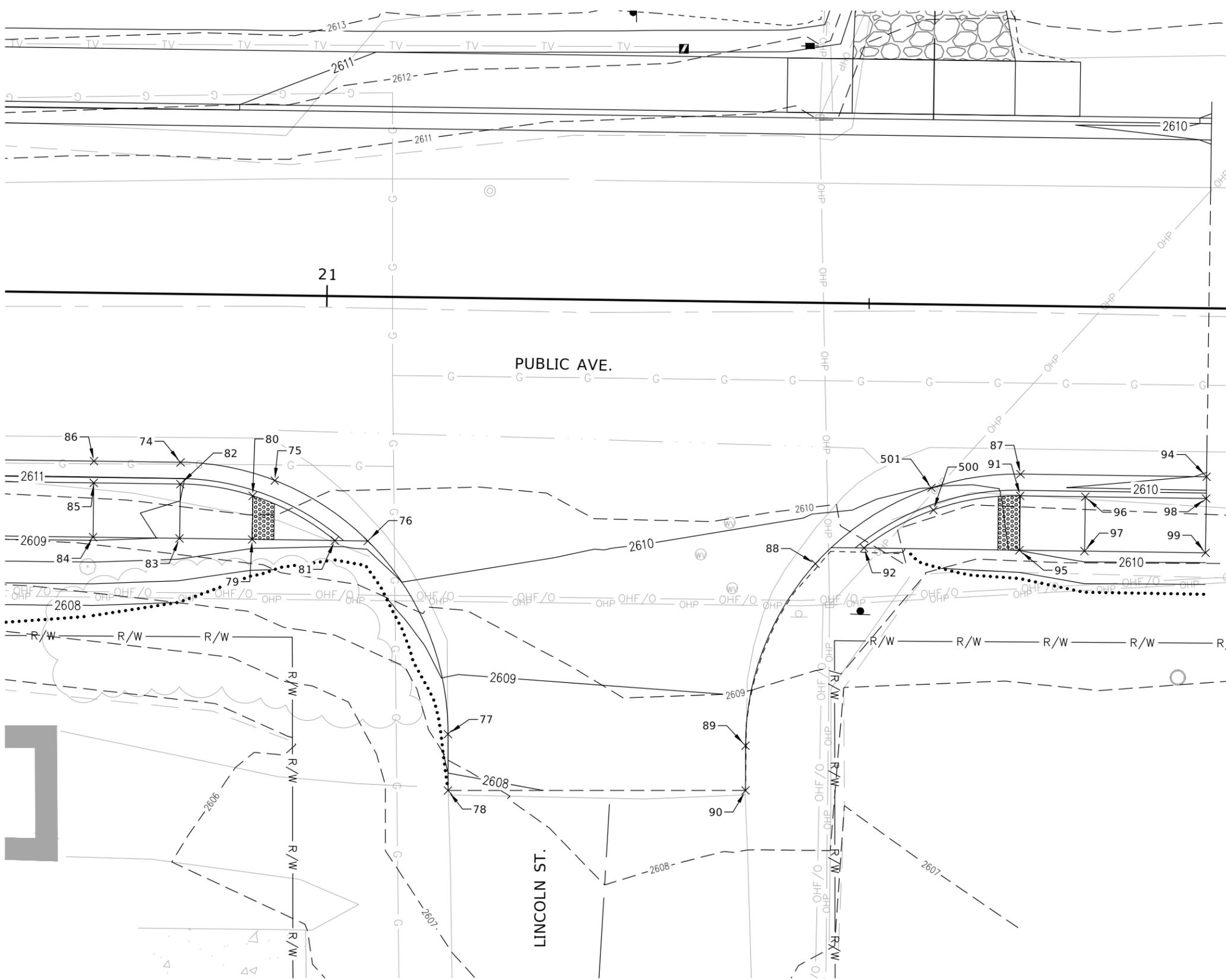
HMH engineering

PROJECT NO.
 A022(402)

INTERSECTION GRADING
PUBLIC AVENUE CORRIDOR
SAFETY IMPROVEMENTS
MOSCOW

ENGLISH
 COUNTY
 LATAH
 KEY NUMBER
 22402
 SHEET 17 OF 31





Point Table				
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
74	1852750.185	2313710.516	2610.65	EOP
75	1852748.504	2313719.184	2610.53	EOP
76	1852742.941	2313727.767	2610.31	EOP
77	1852725.177	2313735.166	2608.42	EOP
78	1852719.986	2313735.163	2607.81	EOP
79	1852743.091	2313717.108	2610.41	RAMP
80	1852747.097	2313717.164	2610.48	BOC
81	1852742.984	2313724.736	2610.28	RAMP/BOC
82	1852748.185	2313710.488	2611.02	RAMP/BOC
83	1852743.186	2313710.403	2610.95	RAMP
84	1852743.297	2313702.436	2611.15	SDWK
85	1852748.297	2313702.496	2611.06	BOC
86	1852750.297	2313702.520	2610.68	EOP
87	1852749.101	2313787.960	2610.11	EOP
88	1852740.853	2313769.041	2609.72	EOP
89	1852724.110	2313762.601	2608.70	EOP
90	1852719.986	2313762.600	2608.41	EOP
91	1852747.101	2313787.932	2610.03	RAMP/BOC
92	1852742.302	2313773.536	2609.76	RAMP/BOC
94	1852748.861	2313805.122	2609.99	EOP
95	1852742.102	2313787.862	2610.02	RAMP
96	1852747.017	2313793.931	2610.45	BOC
97	1852742.018	2313793.861	2610.50	SDWK
98	1852746.861	2313805.073	2610.37	SDWK
99	1852741.861	2313805.024	2610.45	SDWK
500	1852745.790	2313779.939	2609.89	BOC
501	1852747.840	2313779.755	2610.00	EOP

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	BGS
DESIGN CHECKED	JMS
DETAILED	BGS
DRAWING CHECKED	JMS

SCALES SHOWN
 ARE FOR 11" X 17"
 PRINTS ONLY
 CADD FILE NAME
 22402 GRAD
 DRAWING DATE:
 July 2024

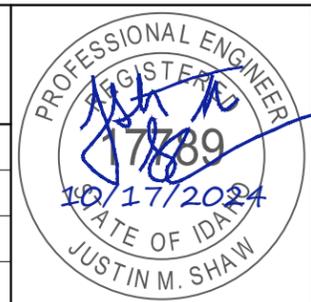
IDAHO
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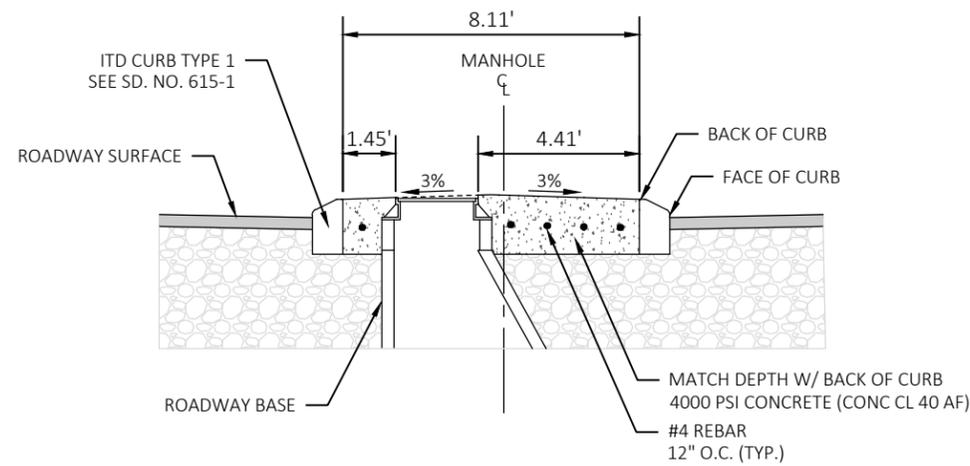


PROJECT NO.
 A022(402)

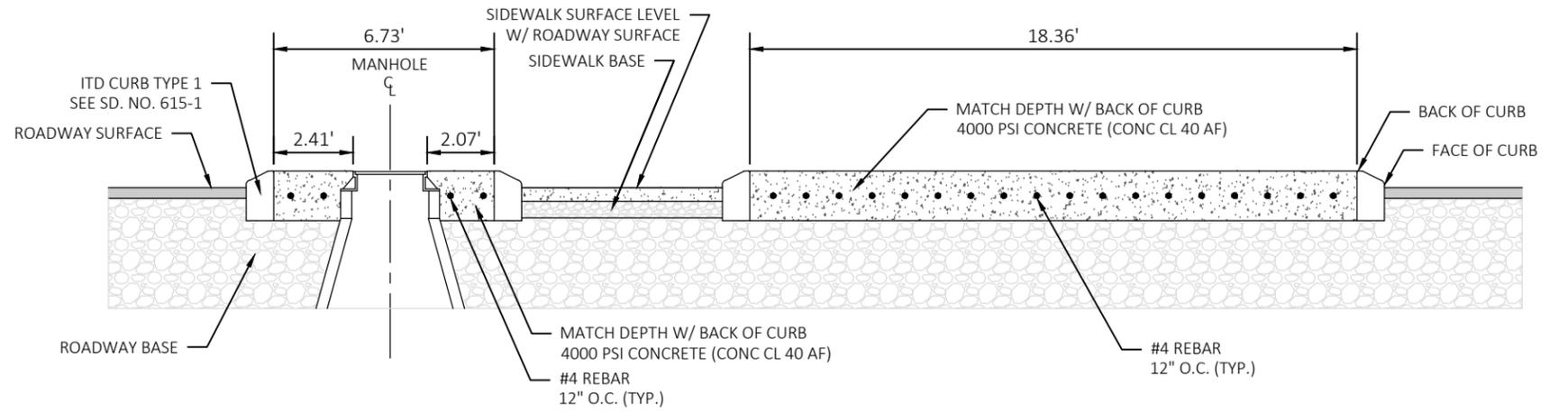
INTERSECTION GRADING
PUBLIC AVENUE CORRIDOR
SAFETY IMPROVEMENTS
MOSCOW

ENGLISH
 COUNTY
 LATAH
 KEY NUMBER
 22402
 SHEET 18 OF 31

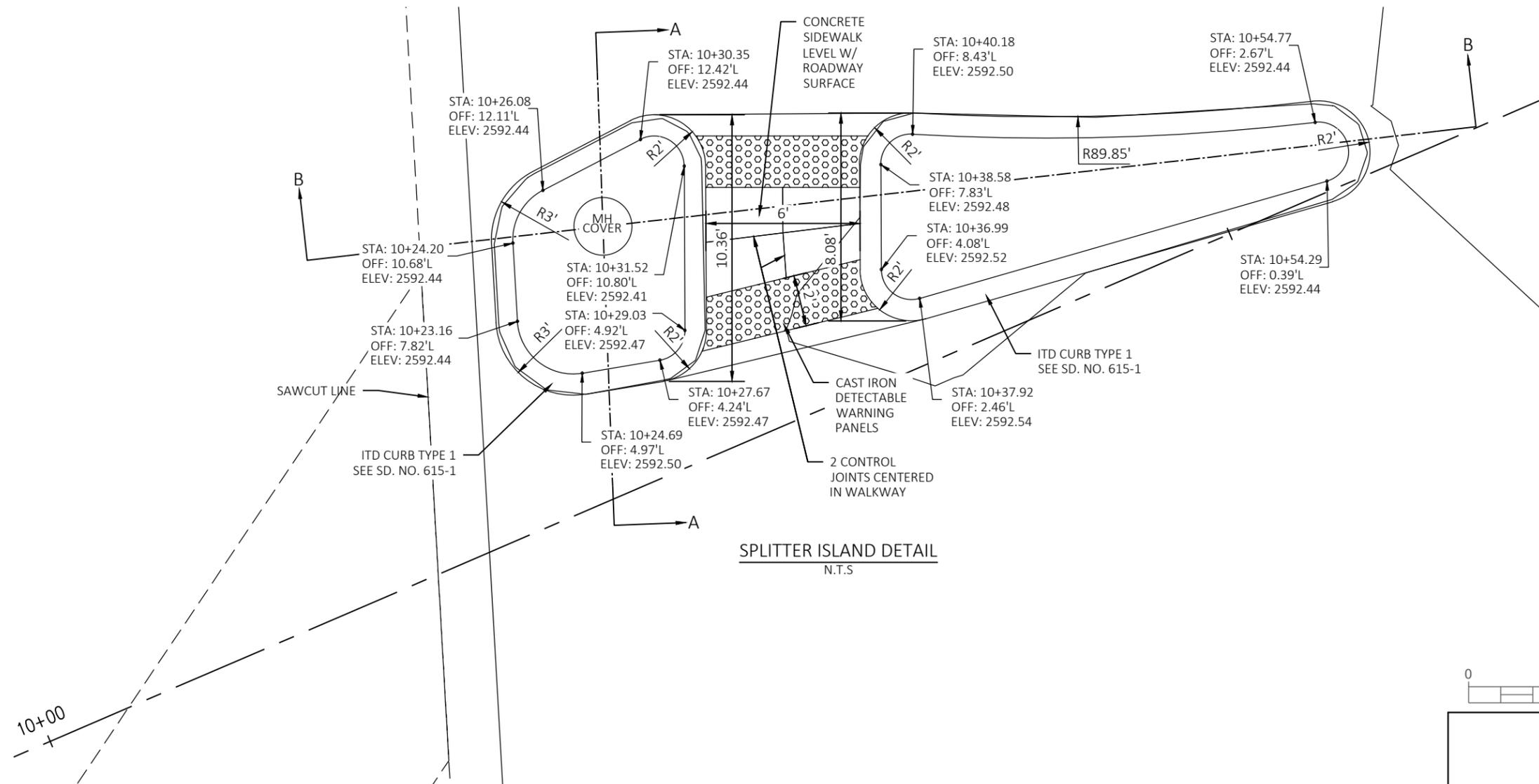




SPLITTER ISLAND SECTION A-A DETAIL
N.T.S.



SPLITTER ISLAND SECTION B-B DETAIL
N.T.S.



SPLITTER ISLAND DETAIL
N.T.S.



REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	BGS	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
DESIGN CHECKED	JMS	
DETAILED	BGS	
DRAWING CHECKED	JMS	
CADD FILE NAME		22402 RDTL
DRAWING DATE:		July 2024

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DEPARTMENT
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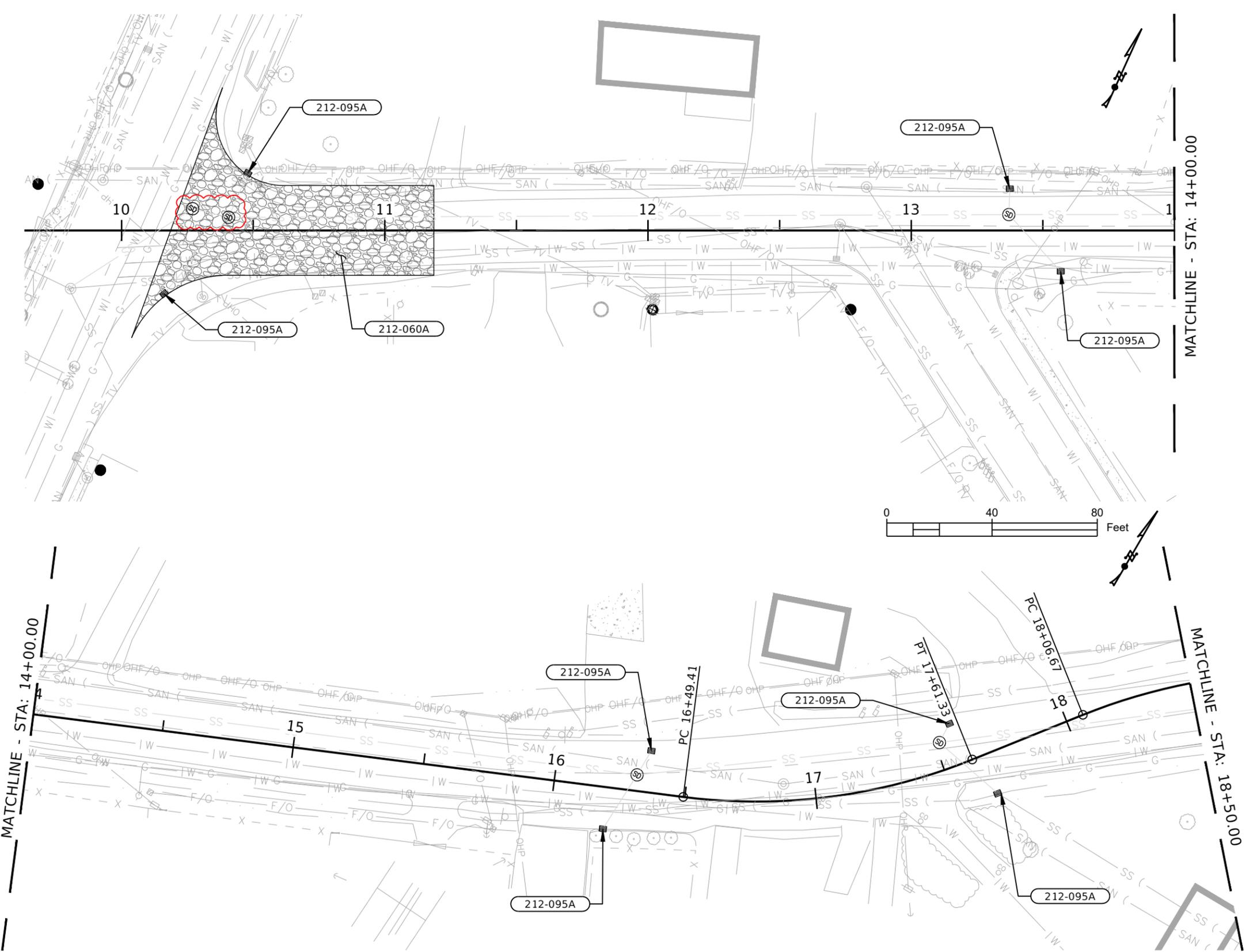


HMH engineering

PROJECT NO.	A022(402)
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ROADWAY DETAILS	PUBLIC AVENUE CORRIDOR SAFETY IMPROVEMENTS MOSCOW
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ENGLISH	
COUNTY	LATAH
KEY NUMBER	22402
SHEET	19 OF 31



- 212-060A STABILIZED CONSTRUCTION ENTRANCE
- 1 EACH
STA 10+03.83 - 11+18.62
- 212-095A INLET PROTECTION
- 1 EACH
STA 10+16.09 RT
- 1 EACH
STA 10+47.95 LT
- 1 EACH
STA 13+37.43 LT
- 1 EACH
STA 13+56.81 RT
- 1 EACH
STA 16+20.63 RT
- 1 EACH
STA 16+35.20 LT
- 1 EACH
STA 17+58.06 LT
- 1 EACH
STA 17+66.84 RT

REVISIONS			
NO.	DATE	BY	DESCRIPTION
1	02/07/25	BGS	STORMWATER REVISION

DESIGNED	BGS	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY CADD FILE NAME 22402 ECP DRAWING DATE: November 2024
DESIGN CHECKED	JMS	
DETAILED	BGS	
DRAWING CHECKED	JMS	

IDAHO
TRANSPORTATION
DEPARTMENT
YOUR Safety→YOUR Mobility→YOUR Economic Opportunity

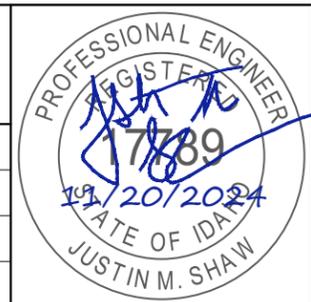
HMH engineering

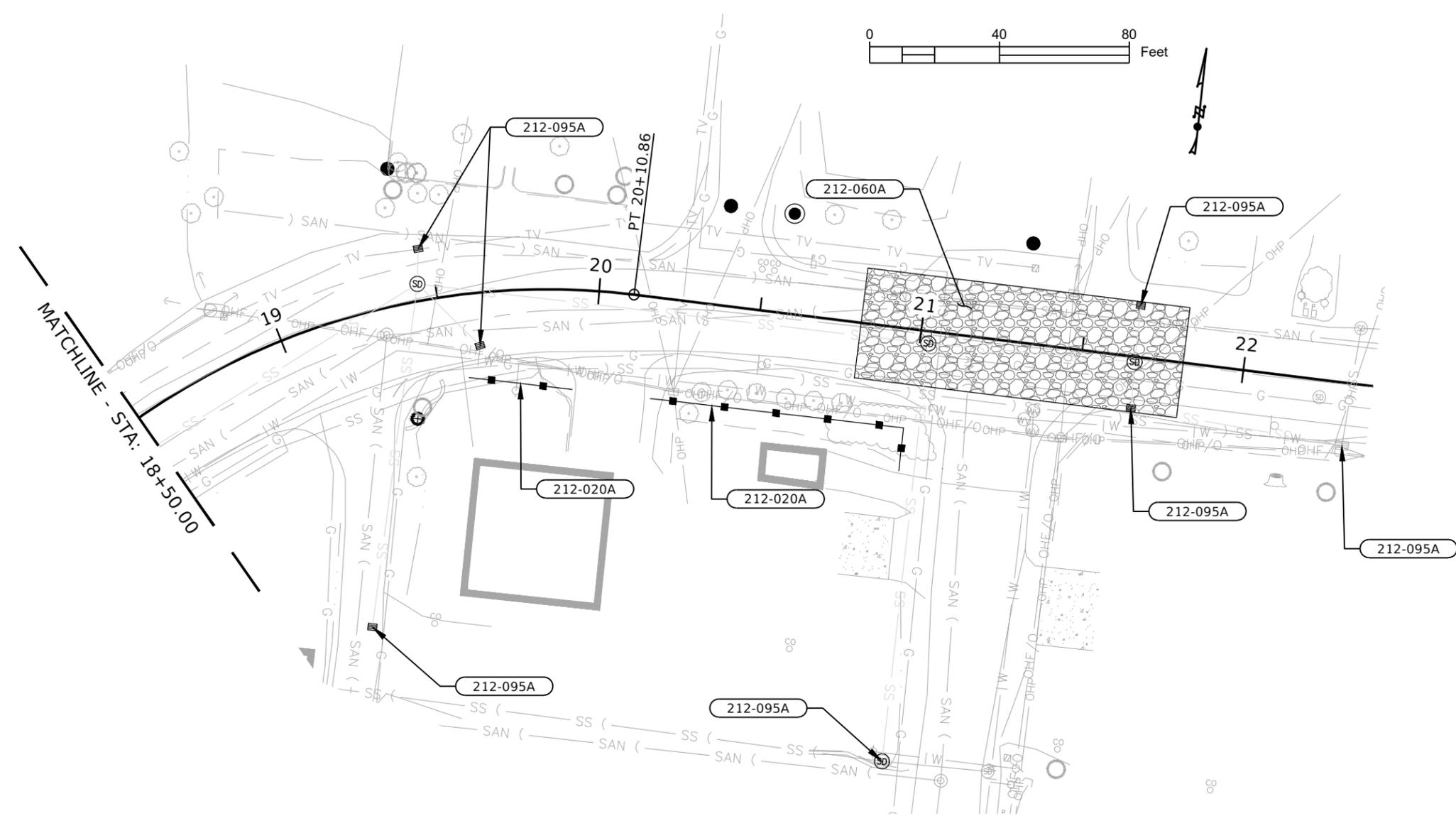
PROJECT NO.	A022(402)
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POLLUTION PREVENTION PLAN

**PUBLIC AVENUE CORRIDOR
 SAFETY IMPROVEMENTS
 MOSCOW**

ENGLISH
COUNTY LATAH
KEY NUMBER 22402
SHEET 20 OF 31





- 212-020A SILT FENCE
32.0 FT
STA 19+56.64 - 19+92.92 RT
184.0 FT
STA 20+19.72 - 20+98.44 RT
- 212-060A STABILIZED CONSTRUCTION
ENTRANCE
1 EACH
STA 20+81.34 - 21+81.34
- 212-095A INLET PROTECTION
1 EACH
STA 18+88.55 RT
1 EACH
STA 19+46.69 LT
1 EACH
STA 19+61.60 RT
1 EACH
STA 21+04.20 RT
1 EACH
STA 21+66.22 LT
1 EACH
STA 21+67.06 RT
1 EACH
STA 22+33.01 RT

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	BGS
DESIGN CHECKED	JMS
DETAILED	BGS
DRAWING CHECKED	JMS

SCALES SHOWN
ARE FOR 11" X 17"
PRINTS ONLY

CADD FILE NAME
22402 ECP

DRAWING DATE:
July 2024

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TRANSPORTATION
DEPARTMENT**

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HMH engineering

PROJECT NO.

A022(402)

POLLUTION PREVENTION PLAN

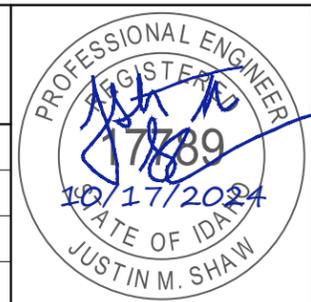
PUBLIC AVENUE CORRIDOR
SAFETY IMPROVEMENTS
MOSCOW

ENGLISH

COUNTY
LATAH

KEY NUMBER
22402

SHEET 21 OF 31



SIGN ASSEMBLY	STATION, OFFSET (XXX+XX.XX, RT/LT, SHLD. OR MEDIAN IF ON DIVIDED HWY)	RAMP NUMBER OR LOCAL STREET	FOUNDATION SIZE (INxIN OR INxINxIN)	POST TYPE (A-X, B-X, D-X, E-X)	OFFSET FROM SHLD. OR FACE OF CURB TO POST 1 CENTER (FT)	DISTANCE BETWEEN POSTS (IF USING 2 OR 3 POSTS, FT)	POST 1 LENGTH* (FT)	POST 2 LENGTH* (IF USING 2 OR 3 POSTS, FT)	POST 3 LENGTH* (IF USING 3 POSTS, FT)	DISTANCE FROM SHLD. OR TOP OF CURB TO SIGN BOTTOM (FT)	SIGN TYPE (B-X, C-X, E)	SIGN DESIGNATION	SIGN SIZE† (INxIN)	SIGN AREA (SF)	SIGN BACKGROUND COLOR	MAIN SIGN LEGEND† COLOR	SIGN BRACE WEIGHT (LBS)	SIGN BRACKET WEIGHT (LBS)	BRACKET NUMBER	NOTES (SIGN LEGEND, SIGN DESCRIPTION, ETC.)
1	10+58.18, LT. SHLD.	PUBLIC AVE.	8x8x36	E-2	3.6		13.0			7.0	B-1	D3-1	32 x 8	1.8	WHITE	BLACK				CITY OF MOSCOW STREET NAME "PUBLIC AVE"
											B-1	D3-1	18 x 8	1.0	WHITE	BLACK				CITY OF MOSCOW STREET NAME "POLK ST"
											B-1	R1-1	30 x 30	6.3	RED	WHITE				STOP SIGN
2	11+77.73, RT. SHLD.	PUBLIC AVE.	8x8x36	E-1	4.0		10.5			7.0	B-1	R7-1a	12 x 18	1.5	WHITE	RED				NO PARKING BIKE LANE
3	13+48.27, RT. SHLD.	F ST.	8x8x36	E-2	6.0		13.0			7.0	B-1	D3-1	32 x 8	1.8	WHITE	BLACK				CITY OF MOSCOW STREET NAME "PUBLIC AVE"
											B-1	D3-1	18 x 8	1.0	WHITE	BLACK				CITY OF MOSCOW STREET NAME "F ST"
											B-1	R1-1	30 x 30	6.3	RED	WHITE				STOP SIGN
4	13+50.00, LT. SHLD.	PUBLIC AVE.	8x8x36	E-1	3.0		10.5			7.0	B-1	R7-1a	12 x 18	1.5	WHITE	RED				NO PARKING BIKE LANE
5	14+07.59, LT. SHLD.	PUBLIC AVE.										CUSTOM			BLUE	WHITE				RELOCATE: ADDRESS SIGN "702"
6	14+46.50, RT. SHLD.	PUBLIC AVE.	8x8x36	E-1	3.0		10.5			7.0	B-1	R7-1a	12 x 18	1.5	WHITE	RED				NO PARKING BIKE LANE
7	15+73.49, RT. SHLD.	PUBLIC AVE.	8x8x36	E-1	3.0		11.5			7.0	B-1	R2-1	24 x 30	5.0	WHITE	BLACK				SPEED LIMIT SIGN
8	15+98.91, LT. SHLD.	PUBLIC AVE.										CUSTOM			BLUE	WHITE				RELOCATE: ADDRESS SIGN "718"
9	20+47.59, RT. SHLD.	PUBLIC AVE.	8x8x36	E-1	9.5		10.5			7.0	B-1	R7-1a	12 x 18	1.5	WHITE	RED				NO PARKING BIKE LANE
10	21+27.78, RT. SHLD.	PUBLIC AVE.	8x8x36	E-1	4.0		10.5			7.0	B-1	R7-1a	12 x 18	1.5	WHITE	RED				NO PARKING BIKE LANE
11	21+49.59, RT. SHLD.	LINCOLN ST.	8x8x36	E-2	6.0		13.0			7.0	B-1	D3-1	32 x 8	1.8	WHITE	BLACK				CITY OF MOSCOW STREET NAME "PUBLIC AVE"
											B-1	D3-1	32 x 8	1.8	WHITE	BLACK				CITY OF MOSCOW STREET NAME "LINCOLN ST"
											B-1	R1-1	30 x 30	6.3	RED	WHITE				STOP SIGN

* POST LENGTHS ARE APPROXIMATE. FINALIZE POST LENGTHS IN THE FIELD BEFORE ASSEMBLY.
† FABRICATE SIGNS IN ACCORDANCE WITH THE FHWA STANDARD HIGHWAY SIGNS AND MARKINGS (SHSM) BOOK, FHWA SHSM SUPPLEMENT, ITD SHSM SUPPLEMENT, OR AS SPECIFIED.

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	BGS	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
DESIGN CHECKED	JMS	
DETAILED	BGS	CADD FILE NAME 22402 SSM
DRAWING CHECKED	JMS	DRAWING DATE: July 2024

IDAHO TRANSPORTATION DEPARTMENT
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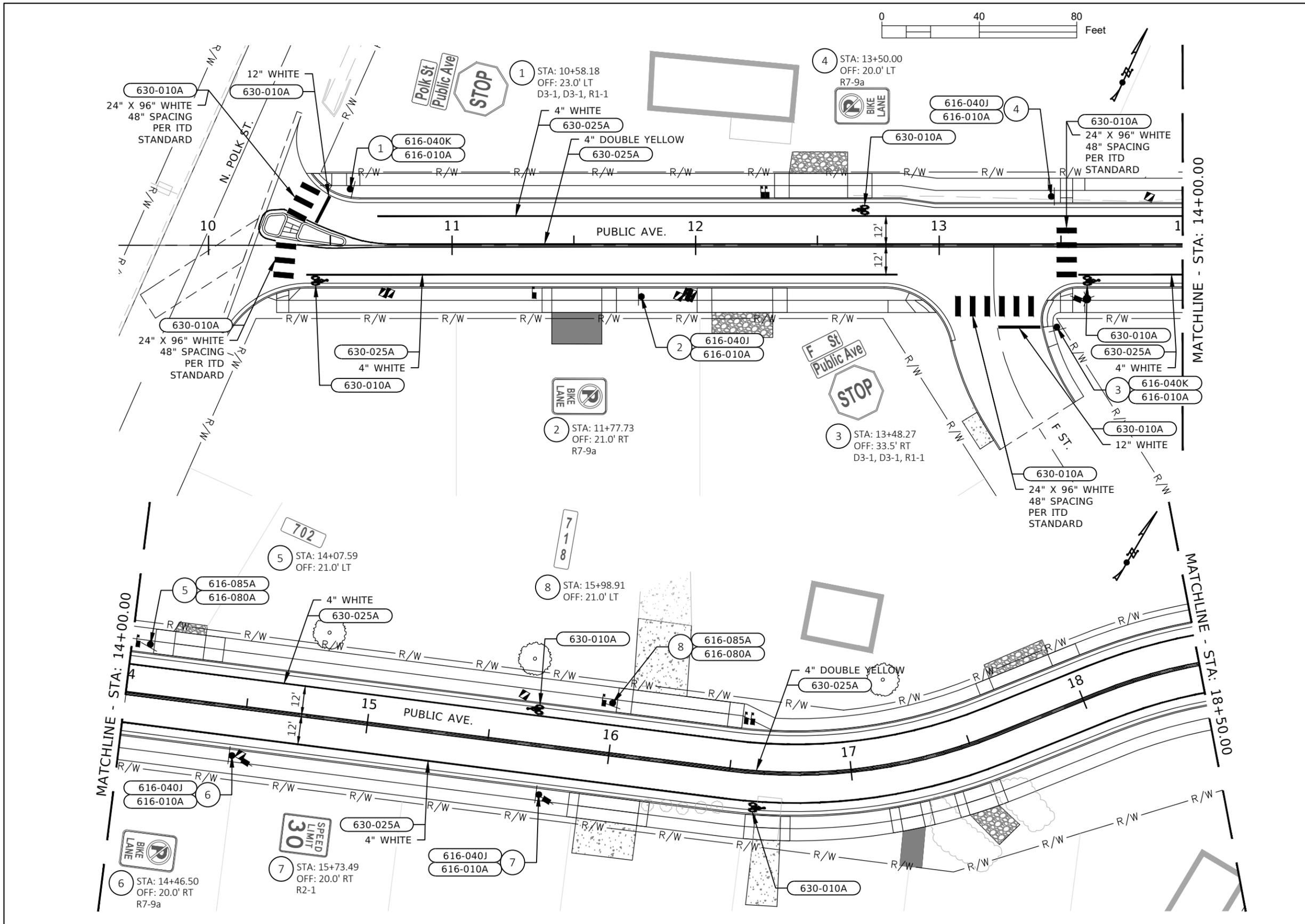
HMH engineering

PROJECT NO.	A022(402)
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SIGN SUMMARY SHEET	ENGLISH
COUNTY	LATAH
KEY NUMBER	22402
SHEET	22 OF 31

PROFESSIONAL ENGINEER
 REGISTERED

 17889
 10/17/2024
 JUSTIN M. SHAW



616-010A	SIGN TYPE B-1
9.1 SF	STA 10+58.18, 23.0' LT
1.5 SF	STA 11+77.73, 21.0' RT
9.1 SF	STA 13+48.27, 33.5' RT
1.5 SF	STA 13+50.00, 20.0' LT
1.5 SF	STA 14+46.50, 20.0' RT
5.0 SF	STA 15+73.49, 20.0' RT
616-040J	STEEL SIGN POST TYPE E-1
8.5 FT	STA 11+77.73, 21.0' RT
8.5 FT	STA 13+50.00, 20.0' LT
8.5 FT	STA 14+46.50, 20.0' RT
9.5 FT	STA 15+73.49, 20.0' RT
616-040K	STEEL SIGN POST TYPE E-2
9.5 FT	STA 10+58.18, 23.0' LT
9.5 FT	STA 13+48.27, 33.5' RT
616-085A	REINSTALL SIGN POST
1.0 EACH	STA 14+07.59, 21.0' LT
1.0 EACH	STA 15+98.91, 21.0' LT
616-080A	REINSTALL SIGN FACE
1.0 EACH	STA 14+07.59, 21.0' LT
1.0 EACH	STA 15+98.91, 21.0' LT
630-010A	TRSV, WD, SYM, & ARR PAV MKGS - PREFORM THERMO
48.0 SF	STA 10+27.34, 5.9' RT
48.0 SF	STA 10+35.47, 19.7 LT
5.3 SF	STA 10+43.93, 12.6' RT
12.0 SF	STA 10+47.43, 14.5' LT
5.3 SF	STA 12+69.40, 12.6' LT
96.0 SF	STA 13+22.71, 25.0' RT
17.0 SF	STA 13+32.89, 33.0' RT
64.0 SF	STA 13+52.30, 0.0' RT
5.3 SF	STA 13+60.78, 12.6' RT
5.3 SF	STA 15+69.39, 12.6' LT
5.3 SF	STA 16+60.58, 12.6' RT
630-025A	LONGITUDINAL PAV MKG - WATERBORNE
379.3 FT (4\"/>	

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	BGS	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY CADD FILE NAME: 22402 SPM DRAWING DATE: July 2024
DESIGN CHECKED	JMS	
DETAILED	BGS	
DRAWING CHECKED	JMS	

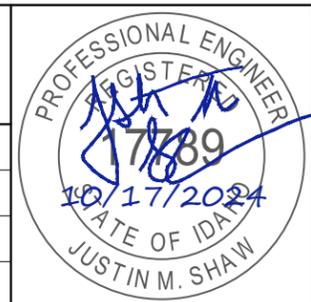
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HMH engineering

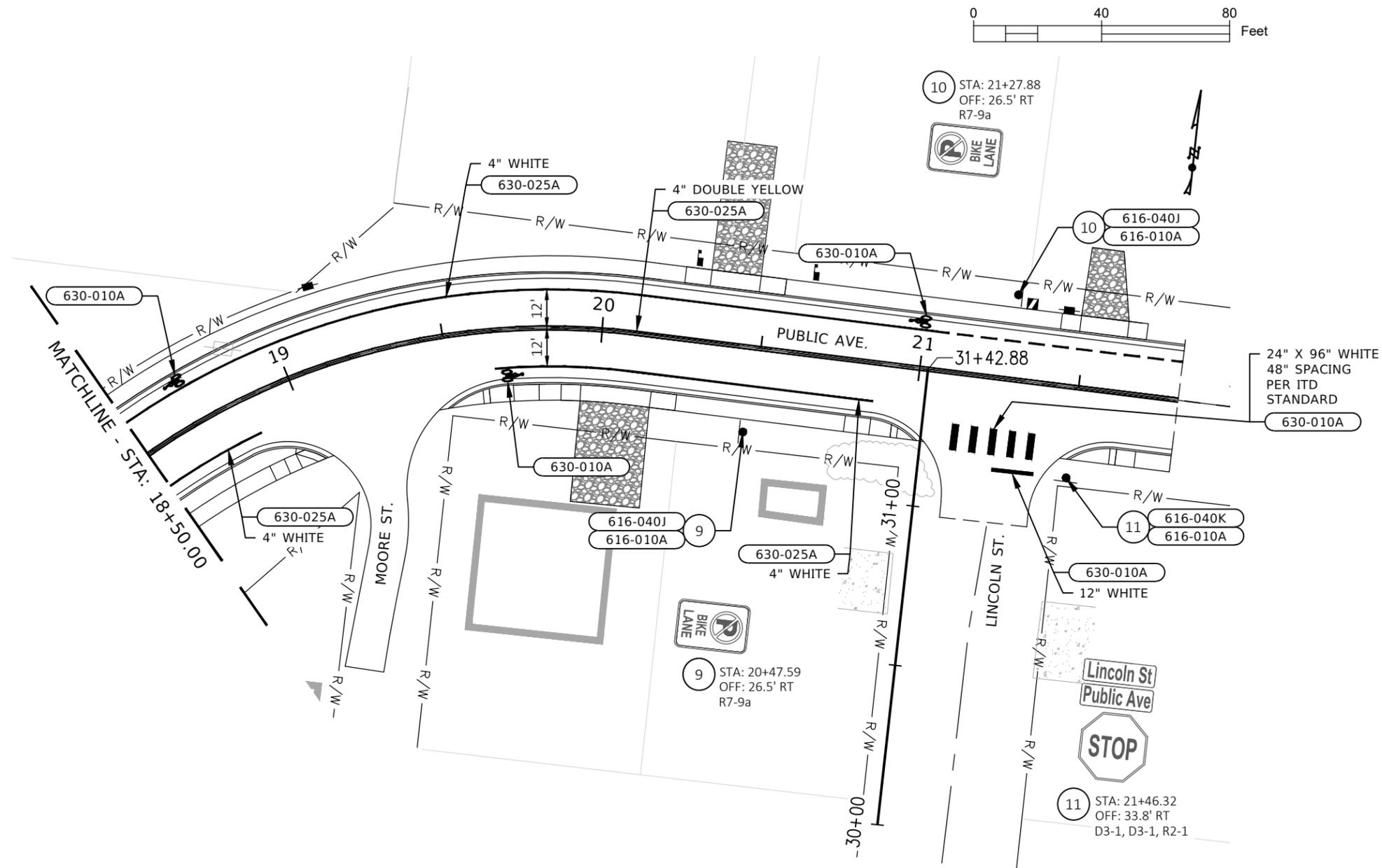
PROJECT NO.	A022(402)
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SIGN & PAVEMENT MARKING PLAN

PUBLIC AVENUE CORRIDOR SAFETY IMPROVEMENTS
MOSCOW

ENGLISH	
COUNTY	LATAH
KEY NUMBER	22402
SHEET	23 OF 31





- 616-010A SIGN TYPE B-1
- 1.5 SF
STA 20+47.59, 26.5' RT
- 1.5 SF
STA 21+27.78, 21.0' LT
- 9.9 SF
STA 21+46.32, 33.8' RT
- 616-040J STEEL SIGN POST TYPE E-1
- 8.5 FT
STA 20+47.59, 26.5' RT
- 8.5 FT
STA 21+27.88, 26.5' LT
- 616-040K STEEL SIGN POST TYPE E-2
- 9.5 FT
STA 21+46.32, 33.8' RT
- 630-010A TRSV, WD, SYM, & ARR PAV MKGS - PREFORM THERMO
- 5.3 SF
STA 18+69.84, 12.6' LT
- 5.3 SF
STA 19+69.38, 12.6' RT
- 5.3 SF
STA 21+00.17, 12.6' LT
- 80 SF
STA 21+25.34, 20.0' RT
- 13 SF
STA 21+32.67, 28.1' RT
- 630-025A LONGITUDINAL PAV MKG - WATERBORNE
- 331.3 FT (4" DOUBLE YELLOW)
STA 18+50.00 - 21+81.34
- 292.8 FT (4" WHITE)
STA 18+50.00 - 21+81.34, 12' LT
- 35.1 FT (4" WHITE)
STA 18+50.00 - 18+85.10, 12' RT
- 121.2 FT (4" WHITE)
STA 19+65.52 - 20+76.72, 12' RT

REVISIONS			
NO.	DATE	BY	DESCRIPTION

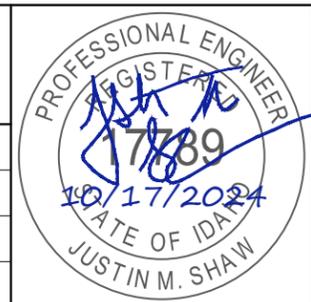
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DESIGN CHECKED	JMS	
DETAILED	BGS	
DRAWING CHECKED	JMS	

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PROJECT NO.
A022(402)

SIGN & PAVEMENT MARKING PLAN
PUBLIC AVENUE CORRIDOR SAFETY IMPROVEMENTS MOSCOW

ENGLISH
 COUNTY LATAH
 KEY NUMBER 22402
 SHEET 24 OF 31



GENERAL NOTES TRAFFIC CONTROL DEVICES

1. A minimum 11' lane shall be maintained at all times through the work zone. Flaggers will be used on approaches when volumes require it or as directed by the Engineer. All flaggers shall have two-way radios on the project.
2. Fabrication and installation of traffic control devices shall conform to all applicable provisions of the FHWA's Manual of Uniform Traffic Control Devices (MUTCD), as adopted by the State.
3. Mounting configuration, number of signs and minor adjustments needed for traffic control devices shall be as shown in the Traffic Control Plans, or as directed by the Engineer. The overall effectiveness and placement of these installations shall be checked periodically, under both night and day conditions.
4. Spacing for all channelization devices should not exceed a distance equal to the posted speed limit when used for taper channelization and a distance of twice the posted speed limit when used for tangent channelization.
5. All signs shall be mounted in a high profile manner with 2 standard flags (see the MUTCD, part 6 Fig. 6F-2). All signs remaining up for the duration of the project should be placed on ground mounted wood posts.
6. All portable sign stands, flags, two-way radios, and warning lights shall be considered as incidental items.
7. All existing signing that conflicts with the traffic control signing shall be covered up or removed. Signs removed during construction shall be replaced prior to completion of the project. Any signs damaged during removal or storage shall be replaced at Contractor's expense.
8. In the work zone the speed limit shall be posted the same as prior to the construction when existing speed limit is less than 45 MPH.
9. Signs and sign stands not in use shall be removed outside the highway clearzone.
10. All Cross Streets and Private Drivers shall Remain Open, Accessible, and Maintained During Construction.

TAPER LENGTH (L) FEET (40 mph or Less)	TAPER LENGTH (L) FEET (45 mph or More)
$L = \frac{WS^2}{60}$	$L = WS$
W = WIDTH OF OFFSET IN FEET	W = WIDTH OF OFFSET IN FEET
S = POSTED SPEED	S = POSTED SPEED

L = Merging Taper
 $\frac{1}{2}L$ = Shifting Taper
 $\frac{1}{4}L$ = Shoulder Taper

As Specified in the MUTCD

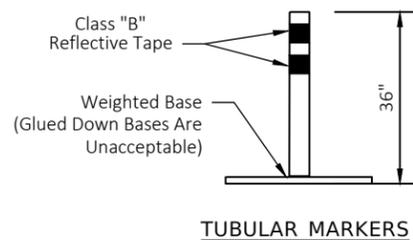
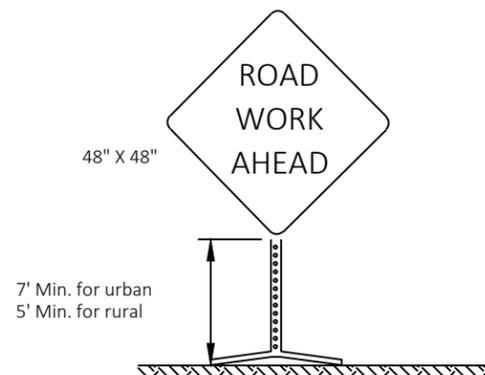
ROAD TYPE	DISTANCE BETWEEN SIGNS		
	A	B	C
URBAN <40	100'	100'	100'
URBAN >40	350'	350'	350'
RURAL	500'	500'	500'
FREEWAY	1000'	1500'	2640'

PROJECT TRAFFIC CONTROL SIGN SUMMARY 626-010A							
SIGN NUMBERS	DESCRIPTION	SIZE (IN)			AREA (SF)	QUANTITY	TOTAL AREA
G20-2	END ROAD WORK	36	X	18	4.5	2	9
M4-8a	END DETOUR	24	X	18	3	2	6
M4-9S	DETOUR (STRAIGHT ARROW)	30	X	24	5	3	15
M4-10L	DETOUR (LEFT ARROW)	48	X	18	6	8	48
M4-10R	DETOUR (RIGHT ARROW)	48	X	18	6	11	66
W16-8P	PUBLIC AVE. PLAQUE	12	X	42	3.5	7	24.5
W16-8P	POLK ST. PLAQUE	12	X	42	3.5	1	3.5
W20-1	ROAD WORK AHEAD	36	X	36	9	1	9
W20-3	ROAD CLOSED AHEAD	36	X	36	9	1	9
W20-3	SIDE ROAD CLOSED	36	X	36	9	7	63
R9-9	SIDEWALK CLOSED	24	X	12	2	3	6
R9-11	SIDEWALK CLOSED AHEAD, CROSS HERE	24	X	18	3	2	6
R11-2	ROAD CLOSED	48	X	30	10	3	30
R11-4	ROAD CLOSED TO THRU TRAFFIC	60	X	30	12.5	4	50
	ADDITIONAL SIGNS AS DIRECTED						34.5
	TOTAL SQ. FEET FOR CLASS "B" SIGNING						379.5

Buffer Spacing as a Function of Speed

Speed*	Distance
20 mph	115 feet
25 mph	155 feet
30 mph	200 feet
35 mph	250 feet
40 mph	305 feet
45 mph	360 feet
50 mph	425 feet
55 mph	495 feet
60 mph	570 feet
65 mph	645 feet
70 mph	730 feet
75 mph	820 feet

*Posted speed, off-peak 85th-percentile speed prior to work starting, or the anticipated operating speed.



■ ■ ■ TUBULAR MARKERS

REVISIONS			
NO.	DATE	BY	DESCRIPTION

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DESIGN CHECKED	JMS	
DETAILED	BGS	CADD FILE NAME 22402 TRCP
DRAWING CHECKED	JMS	DRAWING DATE: November 2024

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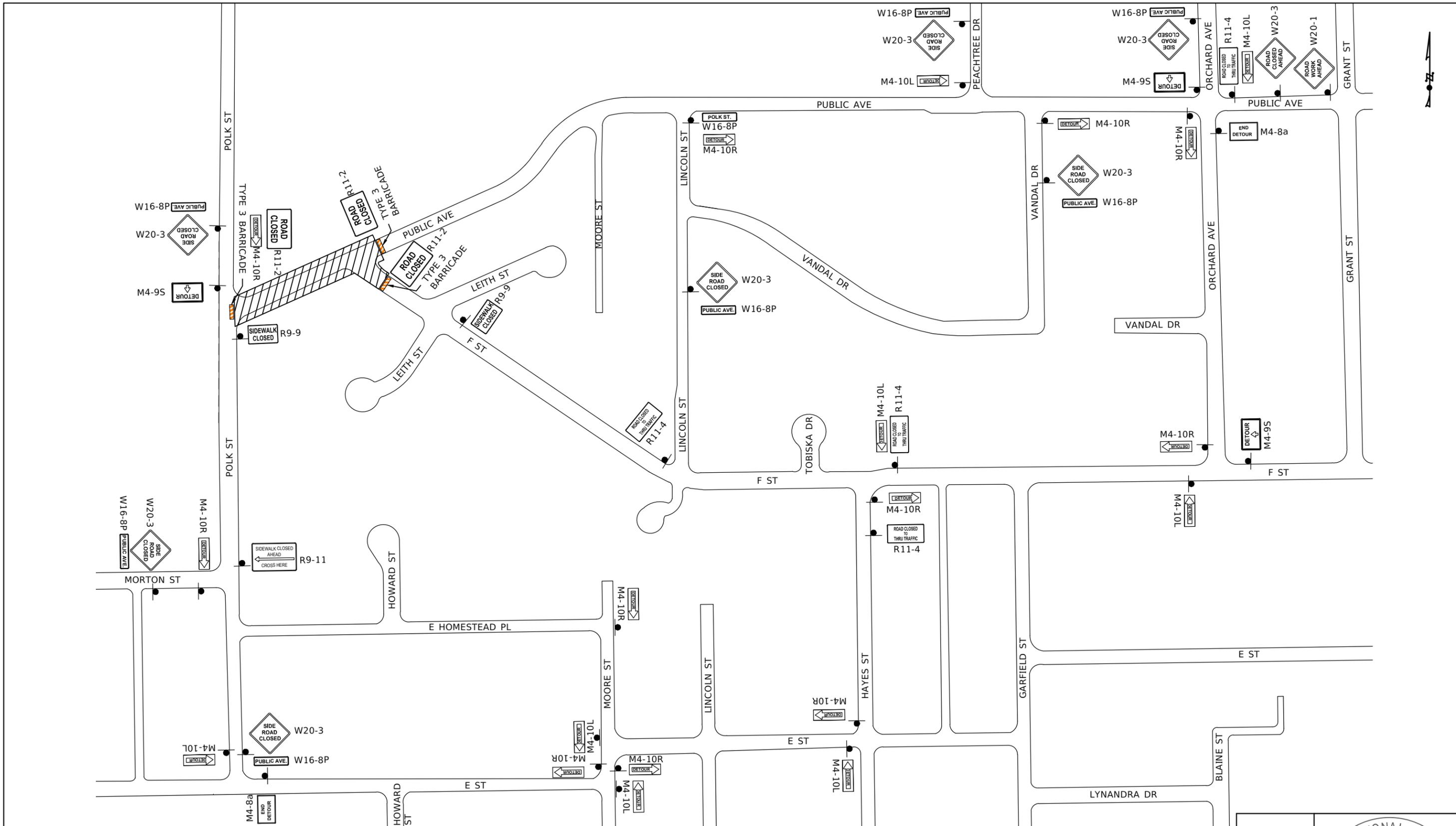
HMH engineering

PROJECT NO.	A022(402)
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TRAFFIC CONTROL SUMMARY	PUBLIC AVENUE CORRIDOR SAFETY IMPROVEMENTS MOSCOW
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ENGLISH
COUNTY LATAH
KEY NUMBER 22402
SHEET 25 OF 31

PROFESSIONAL ENGINEER
 REGISTERED
 17889
 12/20/2024
 STATE OF IDAHO
 JUSTIN M. SHAW



PUBLIC AVE ROAD CLOSURE TRAFFIC CONTROL PLAN
N.T.S.

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	BGS
DESIGN CHECKED	JMS
DETAILED	BGS
DRAWING CHECKED	JMS

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
CADD FILE NAME 22402 TRCP
DRAWING DATE: November 2024

IDAHO TRANSPORTATION DEPARTMENT
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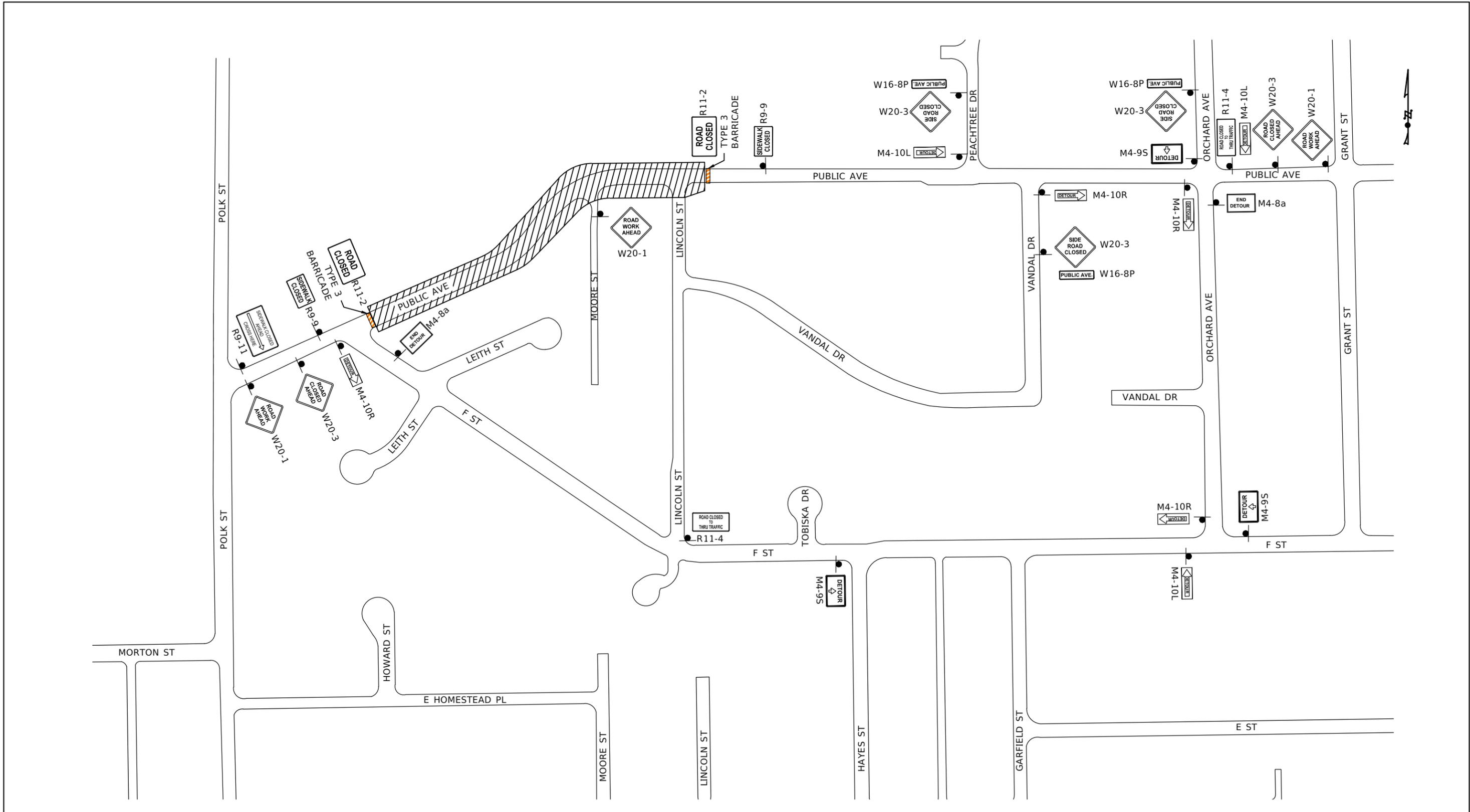


HMH engineering

PROJECT NO.
A022(402)

TRAFFIC CONTROL PLAN
PUBLIC AVENUE CORRIDOR SAFETY IMPROVEMENTS MOSCOW

ENGLISH
COUNTY LATAH
KEY NUMBER 22402
SHEET 26 OF 31



PUBLIC AVE LANE CLOSURE TRAFFIC CONTROL PLAN
N.T.S.

REVISIONS			
NO.	DATE	BY	DESCRIPTION

DESIGNED	BGS
DESIGN CHECKED	JMS
DETAILED	BGS
DRAWING CHECKED	JMS

SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
 CADD FILE NAME 22402 TRCP
 DRAWING DATE: November 2024

IDAHO TRANSPORTATION DEPARTMENT
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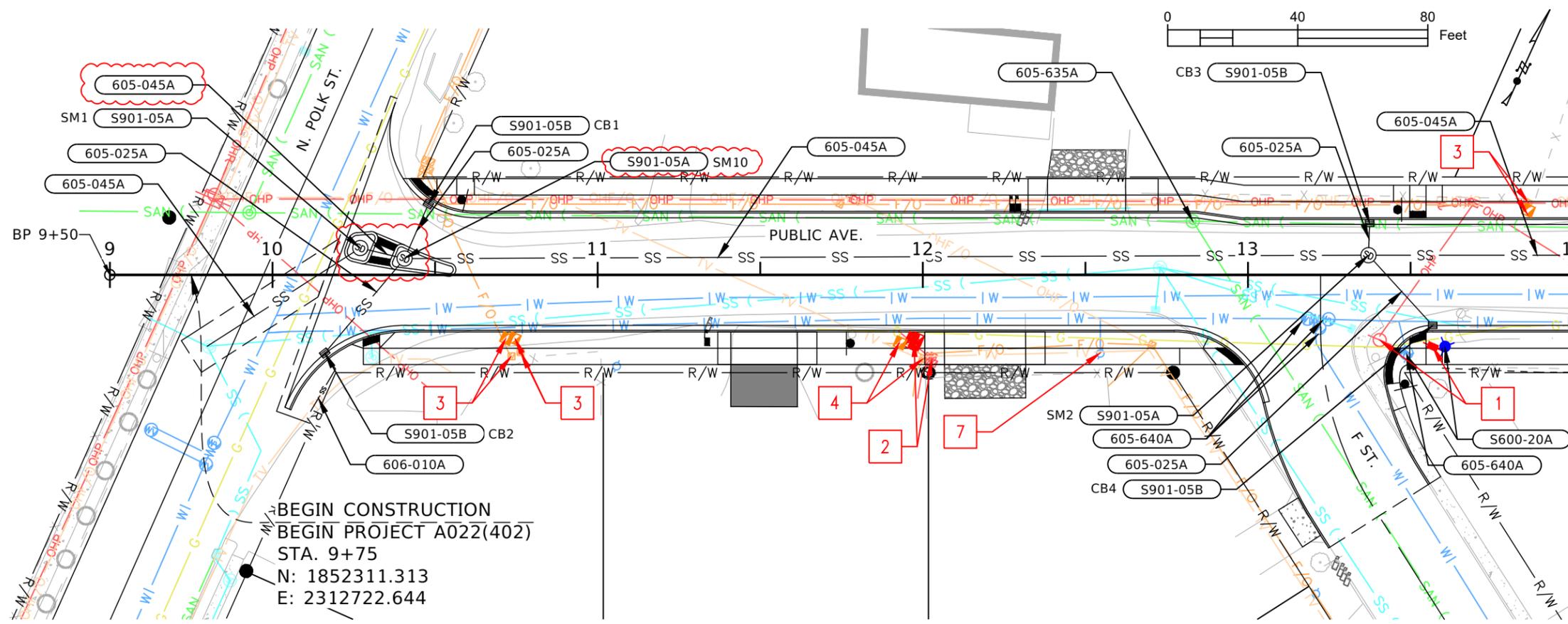
HMH engineering

PROJECT NO.
A022(402)

TRAFFIC CONTROL PLAN
PUBLIC AVENUE CORRIDOR SAFETY IMPROVEMENTS
MOSCOW

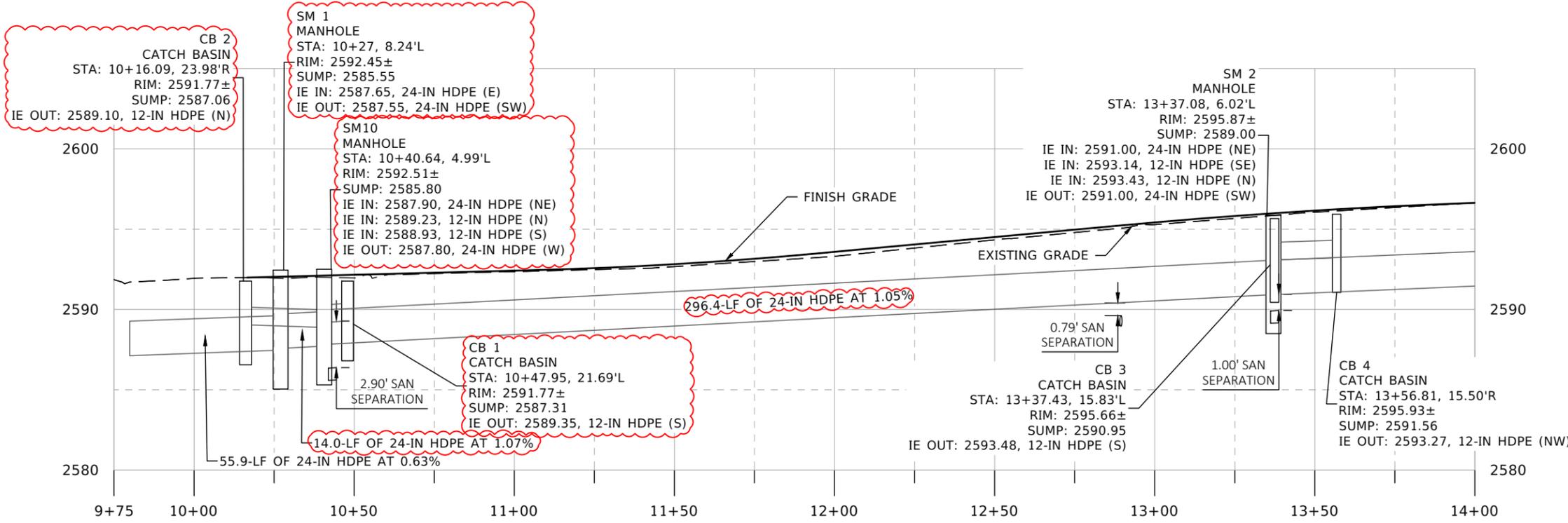
ENGLISH
 COUNTY LATAH
 KEY NUMBER 22402
 SHEET 27 OF 31

PROFESSIONAL ENGINEER
 REGISTERED
 17889
 12/20/2024
 STATE OF IDAHO
 JUSTIN M. SHAW



MATCHLINE - STA: 14+00.00

- 605-025A 12" STORM SEWER PIPE
38.0 FT (CB2 TO SM10)
STA 10+16.09 RT - 10+40.64 LT
18.2 FT (CB1 TO SM10)
STA 10+47.95 LT - 10+40.64 LT
7.8 FT (CB3 TO SM2)
STA 13+37.43 LT - 13+37.08 LT
27.0 FT (CB4 TO SM2)
STA 13+56.81 RT - 13+37.08 RT
- 605-045A 24" STORM SEWER PIPE
55.9 FT (SM0 TO SM1)
STA 09+79.92 RT - 10+27.00 LT
14.0 FT (SM1 TO SM10)
STA 10+27.00 LT - 10+40.64 LT
296.4 FT (SM10 TO SM2)
STA 10+40.64 LT - 13+37.08 RT
60.9 FT (SM2 TO MATCHLINE)
STA 13+37.08 RT - 14+00.00 LT
- 605-635A ADJUST MANHOLE COVERS
1 EACH
STA 12+83.04 16.46' LT
- 605-640A ADJUST VALVE COVERS
1 EACH
STA 13+18.46 OFF 13.46' RT
1 EACH
STA 13+21.98 OFF 16.32' RT
1 EACH
STA 13+24.80 OFF 13.64' RT
1 EACH
STA 13+48.74 OFF 23.37' RT
- 606-010A 6" PIPE UNDERDRAIN
20.0 FT (SWALE TO CB2)
STA 10+11.75 RT - 10+16.35 RT
- S600-20A RELOCATE FIRE HYDRANT
1 EACH
STA 13+60.46 OFF: 21.00' RT
- S901-05A CITY OF MOSCOW STORM SEWER MANHOLE 48"
1 EACH (SM1)
STA 10+27.00 OFF 8.24' LT
1 EACH (SM2)
STA 13+37.08 OFF 6.02' LT
1 EACH (SM10)
STA 10+40.64 OFF 4.99' LT
- S901-05B CITY OF MOSCOW CATCH BASIN TYPE 1
1 EACH (CB1)
STA 10+47.95 OFF 21.69' LT
1 EACH (CB2)
STA 10+16.09 OFF 23.98' RT
1 EACH (CB3)
STA 13+37.43 OFF 15.83' LT
1 EACH (CB4)
STA 13+56.81 OFF 15.50' RT
- 1 ADJUST/RELOCATE AVISTA POWER POLES AT COMPANY EXPENSE
- 2 ADJUST/RELOCATE AVISTA POWER PEDESTAL AT COMPANY EXPENSE
- 3 ADJUST/RELOCATE ZIPLY PEDESTAL AT COMPANY EXPENSE
- 4 ADJUST/RELOCATE CHARTER SPECTRUM PEDESTAL AT COMPANY EXPENSE
- 7 ADJUST/RELOCATE WATER METER AT CITY WATER DEPARTMENT EXPENSE



REVISIONS			
NO.	DATE	BY	DESCRIPTION
1	02/07/25	BGS	STORMWATER REVISION

DESIGNED	BGS	SCALES SHOWN ARE FOR 11" X 17" PRINTS ONLY
DESIGN CHECKED	JMS	
DETAILED	BGS	CADD FILE NAME 22402 UTIL
DRAWING CHECKED	JMS	DRAWING DATE: November 2024

IDAHO TRANSPORTATION DEPARTMENT

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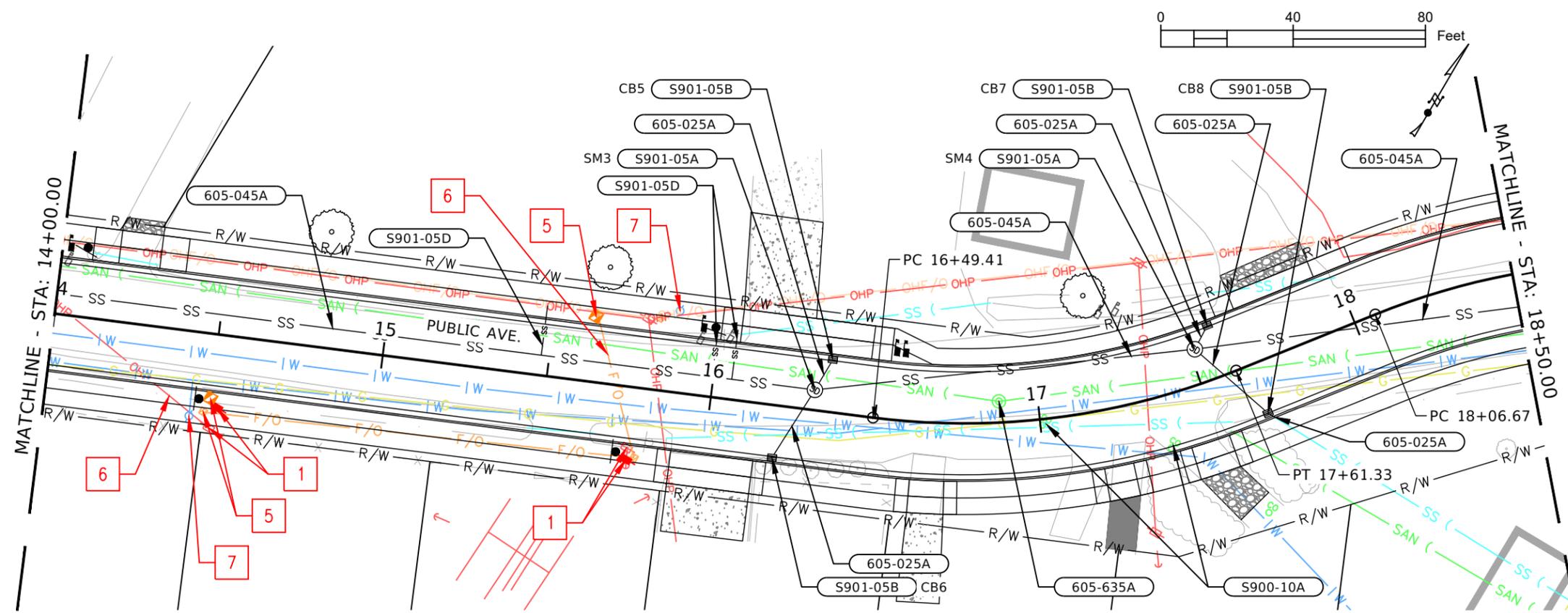
HMH engineering

PROJECT NO.
A022(402)

UTILITY PLANS
PUBLIC AVENUE CORRIDOR SAFETY IMPROVEMENTS MOSCOW

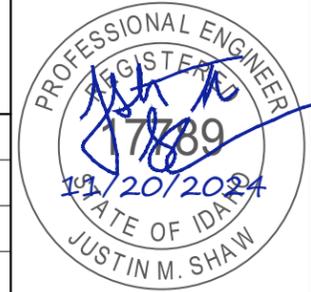
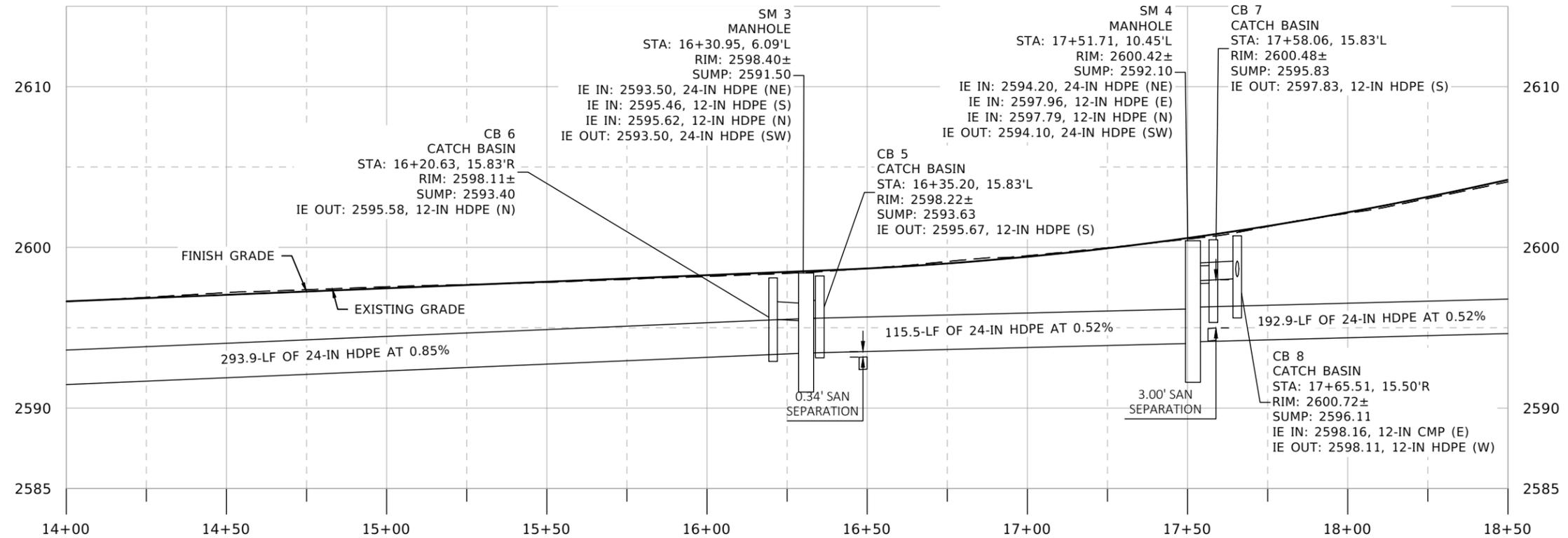
ENGLISH
COUNTY LATAH
KEY NUMBER 22402
SHEET 28 OF 31





- 605-025A 12" STORM SEWER PIPE
8.6 FT (CB5 TO SM3)
STA 16+30.95 LT - 16+35.20 LT
22.2 FT (CB6 TO SM3)
STA 16+20.63 RT - 16+30.95 LT
6.0 FT (CB7 TO SM4)
STA 17+58.06 LT - 17+51.71 RT
28.0 FT (CB8 TO SM4)
STA 17+66.84 RT - 17+51.71 LT
2.0 FT (12" EXISTING STORM TO CB8)
STA 17+66.90 RT - 17+65.51 RT
- 605-045A 24" STORM SEWER PIPE
226.6 FT (MATCHLINE TO SM3)
STA 14+00.00 - 16+30.95 LT
111.6 FT (SM3 TO SM4)
STA 16+30.95 LT - 17+51.71 LT
92.7 FT (SM4 TO MATCHLINE)
STA 17+51.71 LT - 18+50.00 RT
- 605-635A ADJUST MANHOLE COVERS
1 EACH
STA 16+87.90 OFF 6.39' LT
- S900-10A ADJUST CLEANOUT
1 EACH
STA 17+01.37 OFF 0.64' RT
1 EACH
STA 17+37.14 OFF 14.99' RT
- S901-05A CITY OF MOSCOW STORM SEWER MANHOLE 48"
1 EACH (SM3)
STA 16+30.95 OFF 6.09' LT
1 EACH (SM4)
STA 17+51.71 OFF 10.45' LT
- S901-05B CITY OF MOSCOW CATCH BASIN TYPE 1
1 EACH (CB5)
STA 16+35.20 OFF 15.83' LT
1 EACH (CB6)
STA 16+20.63 OFF 15.83' RT
1 EACH (CB7)
STA 17+58.06 OFF 15.83' LT
1 EACH (CB8)
STA 17+65.51 OFF 15.50' RT
- S901-05D 4" STORM SEWER CONNECTION
1 EACH (EXISTING DRAIN TO 24" PIPE)
STA 15+47.56 LT
1 EACH (EXISTING DRAIN TO 24" PIPE)
STA 15+99.62 LT
1 EACH (EXISTING DRAIN TO 24" PIPE)
STA 16+05.62 LT

- 1 ADJUST/RELOCATE AVISTA POWER POLES AT COMPANY EXPENSE
- 5 ADJUST/RELOCATE ZIPLY PEDESTAL AT COMPANY EXPENSE
- 6 ADJUST/RELOCATE CHARTER OVERHEAD FIBER AT COMPANY EXPENSE
- 7 ADJUST/RELOCATE WATER METER AT CITY WATER DEPARTMENT EXPENSE



REVISIONS			
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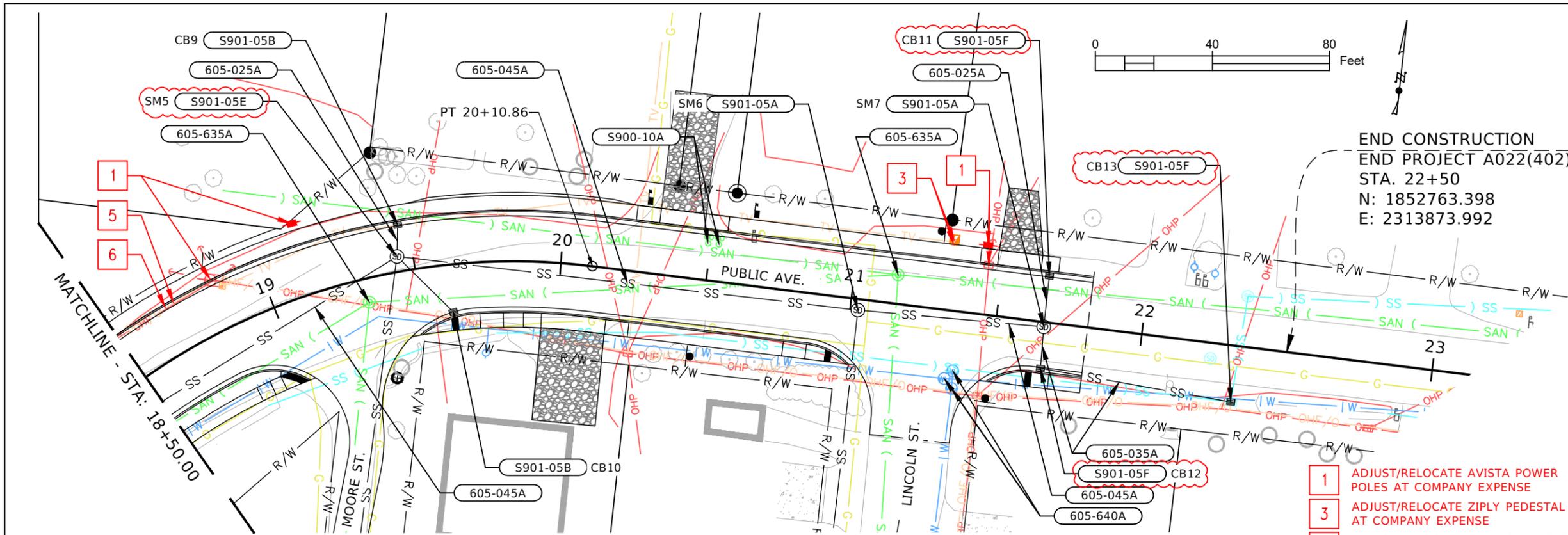
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PROJECT NO. A022(402)

UTILITY PLANS
PUBLIC AVENUE CORRIDOR SAFETY IMPROVEMENTS MOSCOW

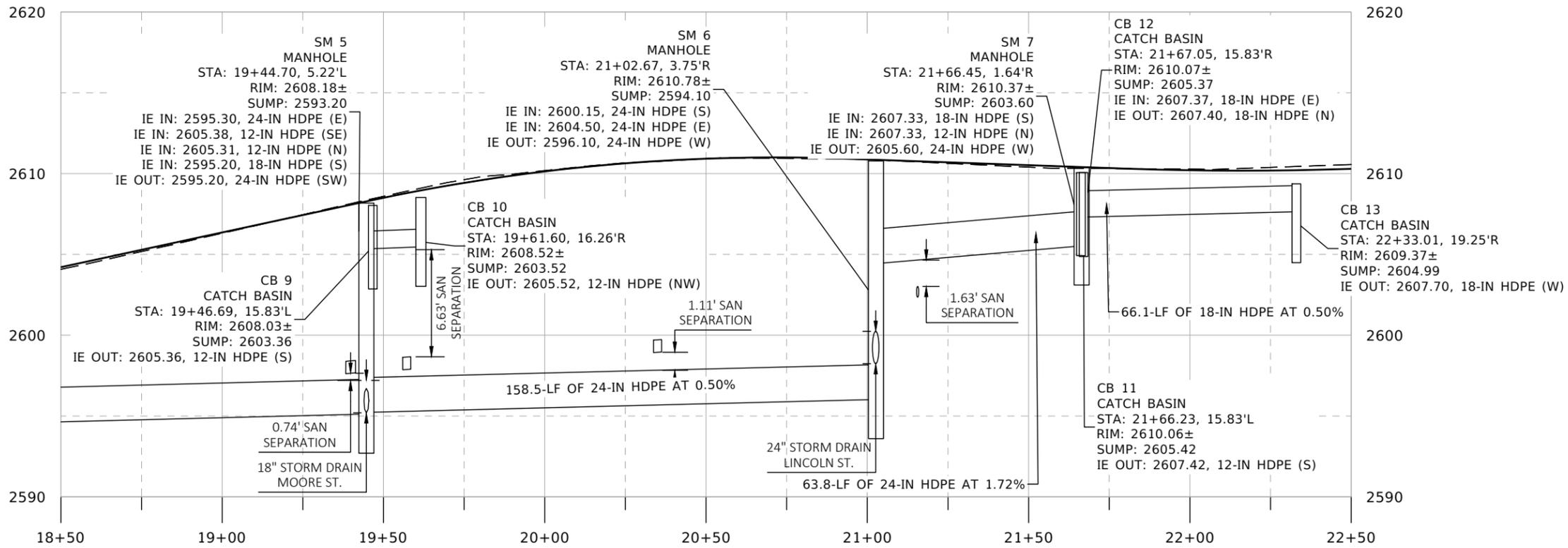
ENGLISH
COUNTY LATAH
KEY NUMBER 22402
SHEET 29 OF 31



END CONSTRUCTION
 END PROJECT A022(402)
 STA. 22+50
 N: 1852763.398
 E: 2313873.992

- 1 ADJUST/RELOCATE AVISTA POWER POLES AT COMPANY EXPENSE
- 3 ADJUST/RELOCATE ZIPLY PEDESTAL AT COMPANY EXPENSE
- 5 ADJUST/RELOCATE ZIPLY OVERHEAD FIBER AT COMPANY EXPENSE
- 6 ADJUST/RELOCATE CHARTER SPECTRUM OVERHEAD FIBER AT COMPANY EXPENSE

- 605-025A 12" STORM SEWER PIPE
 8.8 FT (CB9 TO SM5)
 STA 19+46.69 LT - 19+44.70 LT
 25.1 FT (CB10 TO SM5)
 STA 19+61.60 RT - 19+44.70 LT
 15.5 FT (CB11 TO SM6)
 STA 21+66.23 LT - 21+66.45 RT
- 605-035A 18" STORM SEWER PIPE
 12.2 FT (CB12 TO SM6)
 STA 21+67.05 RT - 21+66.45 RT
 64.1 FT (CB13 TO CB12)
 STA 22+33.01 RT - 21+67.05 RT
- 605-045A 24" STORM SEWER PIPE
 92 FT (MATCHLINE TO SM5)
 STA 18+50.00 RT - 19+44.70 LT
 154.5 FT (SM5 TO SM6)
 STA 19+44.70 LT - 21+02.67 RT
 61.8 FT (SM6 TO SM7)
 STA 21+02.67 RT - 21+66.45 RT
- 605-635A ADJUST MANHOLE COVERS
 1 EACH
 STA 19+32.17 OFF 8.17' RT
 1 EACH
 STA 21+14.91 OFF 9.62' LT
- 605-640A ADJUST VALVE COVERS
 1 EACH
 STA 21+34.81 OFF 23.30' RT
 1 EACH
 STA 21+37.44 OFF 20.36' RT
 1 EACH
 STA 21+37.75 OFF 26.38' RT
- S900-10A ADJUST CLEANOUT
 1 EACH
 STA 20+49.08 OFF 13.89' LT
 1 EACH
 STA 20+52.98 OFF 14.09' LT
- S901-05A CITY OF MOSCOW STORM SEWER MANHOLE 48"
 1 EACH (SM 6)
 STA 21+02.67 OFF 3.75' RT
 1 EACH (SM 7)
 STA 21+66.45 OFF 1.64' RT
- S901-05B CITY OF MOSCOW CATCH BASIN TYPE 1
 1 EACH (CB9)
 STA 19+46.69 OFF 15.83' LT
 1 EACH (CB 10)
 STA 19+61.60 OFF 16.26' RT
- S901-05E CITY OF MOSCOW STORM SEWER MANHOLE 60"
 1 EACH (SM 5)
 STA 19+44.70 OFF 5.22' LT
- S901-05F CITY OF MOSCOW CATCH BASIN TYPE 1L
 1 EACH (CB11)
 STA 21+66.23 OFF 15.83' LT
 1 EACH (CB12)
 STA 21+67.05 OFF 15.83' RT
 1 EACH (CB13)
 STA 22+33.01 OFF 19.30' RT



REVISIONS			
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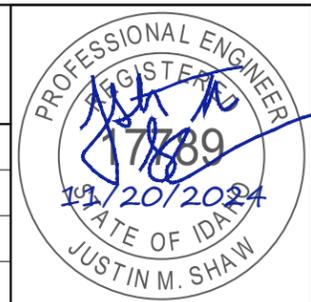
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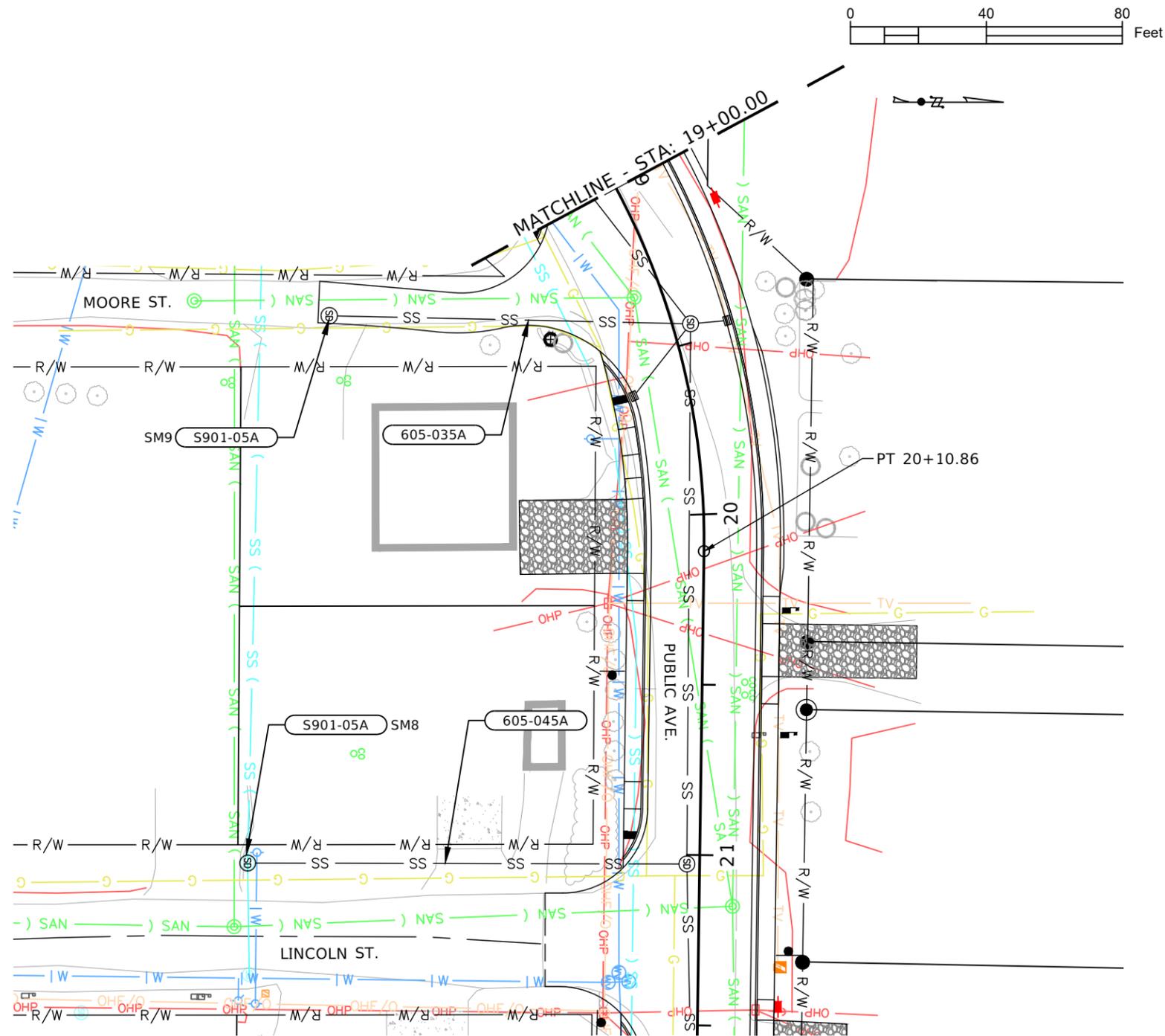
HMH engineering

PROJECT NO.
A022(402)

UTILITY PLANS
PUBLIC AVENUE CORRIDOR SAFETY IMPROVEMENTS MOSCOW

ENGLISH
 COUNTY LATAH
 KEY NUMBER 22402
 SHEET 30 OF 31





SM9 MANHOLE
 STA: 18+88.55, 91.96' RT
 RIM: 2605.20±
 SUMP: 2595.60
 IE OUT: 2596.60, 18-IN HDPE (N)

SM8 MANHOLE
 STA: 21+04.20, 132.92' RT
 RIM: 2604.77±
 SUMP: 2599.84
 IE OUT: 2600.84, 24-IN HDPE (N)

605-035A 18" STORM SEWER PIPE
 106.4 FT (SM9 TO SM5)
 STA 18+88.55 RT - 19+44.70 LT

605-045A 24" STORM SEWER PIPE
 129.2 FT (SM8 TO SM6)
 STA 21+04.20 RT - 21+02.67 RT

S901-05A CITY OF MOSCOW STORM
 SEWER MANHOLE 48"
 1 EACH (SM 9)
 STA 18+88.55 OFF 91.96' RT
 1 EACH (SM 8)
 STA 21+04.20 OFF 132.98' RT

REVISIONS			
NO.	DATE	BY	DESCRIPTION
1	02/07/25	BGS	STORMWATER REVISION

DESIGNED	BGS
DESIGN CHECKED	JMS
DETAILED	BGS
DRAWING CHECKED	JMS

SCALES SHOWN
 ARE FOR 11" X 17"
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HMH engineering



PROJECT NO.
 A022(402)

UTILITY PLANS
 PUBLIC AVENUE CORRIDOR
 SAFETY IMPROVEMENTS
 MOSCOW

ENGLISH

COUNTY
 LATAH

KEY NUMBER
 22402

SHEET 31 OF 31

PROFESSIONAL ENGINEER
 REGISTERED
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 12/20/2024
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