

CONSTRUCTION PLANS

WHITMAN & HAYES

LIFT STATIONS PROJECT

PROJECT NO. EGC-130

KEY CONTACTS

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REVISIONS:

DATE:

A

B

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OFFICE OF THE ENGINEERING DEPARTMENT

911 N 7TH AVE • POCATELLO, ID. 83201 • 208.234.6225

CONSTRUCTION PLANS

WHITMAN & HAYES

LIFT STATIONS PROJECT

TITLE SHEET

DRAWN:  
B. HOCH

CHECKED:  
S. ALLEN

APPROVED:  
A. SUING

PROJECT NO:  
EGC - 130

DATE:  
JULY 2021

SHEET:  
1 OF 15

PROFESSIONAL ENGINEER

LICENSED

Austin Suing

17901

9/17/2021

STATE OF IDAHO

AUSTIN SUING



GENERAL NOTES

1. CONSTRUCTION CONFORMITY - ALL CONSTRUCTION ON THIS PROJECT SHALL CONFORM TO THE SPECIFICATIONS PROVIDED WITH THESE PLANS ALONG WITH THE MOST CURRENT EDITION OF THE "IDAHO STANDARDS FOR PUBLIC WORKS CONSTRUCTION (ISPMC)" AND THE "CITY OF POCATELLO STANDARD REVISIONS". FAILURE TO COMPLY TO THESE RULES MAY RESULT IN CORRECTION MEASURES AT THE CONTRACTOR'S EXPENSE.
2. IN CASES OF CONFLICT IN THE REQUIREMENTS AND PROVISIONS AS SET OUT BY THESE PLANS, SUCH CONFLICT SHALL BE RECONCILED BY THE ACCEPTANCE OF THE FOLLOWING ORDER OF PRECEDENCE: 1) THESE PLANS, 2) CITY OF POCATELLO STANDARD REVISIONS, 3) ISPMC & ITD. IF NATIONAL STANDARDS, SUCH AS MUTCD, ARE MORE STRINGENT THAN A LOCAL OR STATE STANDARD, THEN THE NATIONAL STANDARD SHALL TAKE PRECEDENCE, OTHERWISE LOCAL STANDARDS SHALL TAKE PRECEDENCE.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION COORDINATION AND SCHEDULING WITH ALL AFFECTED UTILITIES.
4. APPROXIMATE LOCATIONS OF KNOWN EXISTING UNDERGROUND UTILITIES ARE SHOWN HEREON. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REQUEST UTILITY LOCATES THROUGH DIGLINE AT (811) SIX (6) WORKING DAYS PRIOR TO BEGINNING WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGES TO EXISTING UTILITIES, AND SHALL REPAIR DAMAGES IN ACCORDANCE WITH UTILITY OWNER'S REQUIREMENTS AT NO ADDITIONAL COST TO THE PROJECT OWNER.

DIGLINE - (800) 342-1585 OR 811
5. SHOULD THE PROJECT REQUIRE AN EPA STORMWATER PERMIT, THE CONTRACTOR SHALL BE THE SOLE PERMITTEE FOR THE PROJECT AND SHALL FILE THE NOTICE OF INTENT (NOI) AS SUCH. THE CONTRACTOR SHALL BE RESPONSIBLE TO FILE ANY NOI'S AND NOTICE OF TERMINATION (NOT'S). SHOULD THE CONTRACTOR NOT COMPLETE THE PROJECT BY THE COMPLETION DATE, HE SHALL REVIEW THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM REQUIREMENTS AND MODIFY HIS PLAN (IF NECESSARY) INCLUDING BUT NOT LIMITED TO THE FOLLOWING: SUBMITTING ANOTHER NOI, CREATING A SWPPP, AND PERFORMING REGULAR INSPECTIONS TO COMPLY WITH ENVIRONMENTAL PROTECTION AGENCY (EPA) REQUIREMENTS AT NO ADDITIONAL COST TO THE CITY OF POCATELLO. CONTACT THE EPA FOR REQUIRED INFORMATION. THE CONTRACTOR SHALL OBTAIN A SHORT TERM ACTIVITY EXEMPTION FROM THE DEQ REGIONAL OFFICE IF THEY DISCHARGE WASTEWATER OFFSITE TO STATE WATERS AS A RESULT OF DEWATERING OR OTHER CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FINES RESULTING FROM THE EPA INSPECTIONS.
6. THE CONTRACTOR SHALL MAINTAIN INGRESS AND EGRESS TO ABUTTING PROPERTIES AND SHALL PROTECT SUCH PROPERTIES FORM PROJECT RELATED STORM WATER AND NUISANCE WATER RUNOFF.
7. THE CONTRACTOR IS RESPONSIBLE FOR SECURING ALL PROJECT PERMITS AND COMPLYING WITH ALL TERMS AND CONDITIONS IMPOSED BY THE PERMITTING AGENCIES.
8. IF THE PROJECT WORK NECESSITATES THE TEMPORARY REMOVAL AND/OR RELOCATION OF ANY TRAFFIC CONTROL SIGNS, DEVICES, OR MARKERS, THEY SHALL BE MAINTAINED THROUGHOUT THE ENTIRE DURATION OF THE PROJECT AND SHALL BE RESTORED TO THE SATISFACTION OF THE CITY INSPECTOR / REPRESENTATIVE.
9. ALL PERMANENT TRAFFIC CONTROL DEVICES SHALL BE PROPERLY INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE MUTCD AS ADOPTED BY THE STATE PRIOR TO ALLOWING ANY PUBLIC TRAFFIC ONTO THE STREETS.
10. ALL TEMPORARY REGULATORY SIGNAGE SHALL MEET THE MOST RECENT MUTCD REQUIREMENTS AS ADOPTED BY THE STATE.
11. ALL CONTRACTORS WORKING WITHIN THE PROJECT BOUNDARIES ARE RESPONSIBLE FOR COMPLIANCE WITH ALL APPLICABLE SAFETY LAWS OF ANY GOVERNING JURISDICTIONAL BODY.
12. THE CONTRACTOR'S OPERATIONS SHALL NOT TRESPASS BEYOND THE LIMITS OF THE PUBLIC RIGHT-OF-WAY OR THE PROJECT PROPERTY LINES UNLESS A PERMIT, AN EASEMENT, OR WRITTEN AUTHORIZATION IS OBTAINED. A COPY OF THE AUTHORIZATION SHALL BE AVAILABLE ON SITE FOR REVIEW AT ALL TIMES.
13. THE CONTRACTOR SHALL USE CAUTION AND BEST AVAILABLE CONSTRUCTION TECHNIQUES TO PROTECT AND PRESERVE EXISTING PUBLIC AND PRIVATE FEATURES LOCATED IN CLOSE PROXIMITY TO, OR ABUTTING THE PROJECT SHOWN ON THESE PLANS. RESTORATION OF DAMAGED FEATURES SHALL BE ACCOMPLISHED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE CITY INSPECTOR OR AUTHORIZED REPRESENTATIVE.
14. THE CONTRACTOR SHALL NOTIFY ADJACENT PROPERTY OWNERS FOUR (4) DAYS PRIOR TO STARTING ANY CLEARING, GRUBBING, OR REMOVAL ACTIVITIES NEAR THEIR PROPERTY.
15. SITE SHALL BE CLEANED AND RESTORED TO ORIGINAL OR BETTER CONDITION UPON COMPLETION OF WORK.
16. CONTRACTOR SHALL RETAIN AND PROTECT ALL STRUCTURES TO REMAIN IN PLACE INCLUDING BUT NOT LIMITED TO: STREET SECTIONS, SIDEWALK, CURB, GUTTER, UTILITY FACILITIES, MANHOLES, VALVES, METERS, VAULTS, FIRE HYDRANTS, CATCH BASINS, OVERHEAD LINES, SURVEY MONUMENTS, SPRINKLERS, IRRIGATION LINES, STREET LIGHTS, POWER POLES, GUY WIRES, TRAFFIC SIGNS, MAIL BOXES, LANDSCAPING, FENCES, TREES, BUSHES, DRIVEWAYS, PARKING LOTS, TRAFFIC STRIPING, ETC. IF ANY STRUCTURES ARE DAMAGED DURING CONSTRUCTION IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE AS NECESSARY TO RETURN IT TO EXISTING CONDITIONS OR BETTER.
17. THE CONTRACTOR SHALL PROVIDE TEMPORARY RESTROOM FACILITIES ON SITE.
18. ALL GARBAGE AND TRASH ON THE PROPERTY GENERATED FROM CONSTRUCTION ACTIVITY SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR.
19. CONTRACTOR SHALL RECORD THE LOCATION OF VALVES, SERVICES, AND ANY CHANGES TO THESE PLANS ON A SET OF RECORD DRAWINGS. DRAWINGS SHALL BE RETURNED TO THE ENGINEER AT COMPLETION OF THE PROJECT.
20. THE CONTRACTOR SHALL COORDINATE ALL INSPECTIONS WITH THE ENGINEERING DEPARTMENT AND ANY PRIVATE UTILITY COMPANIES. AT A MINIMUM, BOTH PARTIES SHALL BE NOTIFIED TO INSPECT: 1) ALL

- UTILITIES PRIOR TO BACKFILLING, 2) SIDEWALK, CURB & GUTTER FORMS PRIOR TO POURING CONCRETE, 3) ROADWAY GRADES PRIOR TO PAVING, AND 4) ASPHALT DURING PAVING.
21. BENCHMARK VERIFICATION - CONTRACTOR SHALL USE BENCHMARKS AND DATUMS SHOWN HEREON TO SET PROJECT BENCHMARK(S) BY RUNNING A LEVEL LOOP BETWEEN AT LEAST TWO BENCHMARKS AND SHALL PROVIDE SURVEY NOTES OF SUCH TO THE PROJECT ENGINEER PRIOR TO COMMENCING CONSTRUCTION.
22. SURVEY CONTROL STAKING WILL BE PROVIDED BY THE OWNER. CONTRACTOR IS REQUIRED TO COORDINATE WITH THE SURVEYOR AND PROVIDE 48 HOURS NOTICE TO AVOID DELAYS.

GRADING NOTES

1. CONTOURS SHOWN DEPICT FINISH GRADE. THE CONTRACTOR IS RESPONSIBLE FOR OWN CALCULATIONS TO ADJUST TO SUB-GRADE.
2. ALL DISTURBED AREAS THAT ARE UN-SURFACED OR ARE NOT DESIGNATED AS LANDSCAPE AREAS ARE TO BE SEEDED AND FERTILIZED UNTIL A HEALTHY STAND OF DRY LAND GRASS IS OBTAINED.
3. IF DURING THE GRADING PROCESS, CONDITIONS ARE ENCOUNTERED WHICH COULD INDICATE THAT AN UNIDENTIFIED SITUATION IS PRESENT, THE PROJECT MANAGER/ARCHITECT SHALL BE CONTACTED FOR RECOMMENDATIONS.
4. UNLESS OTHERWISE SHOWN, NO PROPOSED SLOPE SHALL EXCEED 3 HORIZONTAL TO ONE VERTICAL (3:1). ALL SLOPED AREAS MUST BE PROTECTED FROM EROSION BY CAT TRACKING & TEMPORARY STABILIZATION UNTIL FINAL LANDSCAPING INSTALLED. SEE DETAIL IN THESE PLANS IF APPLICABLE.
5. IF STRIPPED MATERIALS CONSISTING OF VEGETATION AND ORGANIC MATERIALS ARE STOCKPILED ON SITE, TOPSOIL MAY BE PLACED TO A HEIGHT OF 8' (FT.), SILT FENCE SHALL BE PLACE AROUND THE BASE OF THE STOCKPILE AND THE STOCKPILE SHALL BE SEEDED WITH NATIVE SEED MIX IMMEDIATELY AFTER STRIPPING OPERATIONS ARE COMPLETE.
6. ON-SITE MATERIALS SUITABLE FOR FILL BENEATH DRIVES AND PARKING AREAS BEYOND 5' (FT) OF ANY BUILDING SHALL BE COMPACTED IN ACCORDANCE WITH GUIDELINES PRESENTED IN THE GEOTECHNICAL REPORT.
7. SPOT ELEVATIONS SHALL TAKE PRECEDENCE OVER CONTOURS AND SLOPES SHOWN. THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER OF SPOT ELEVATIONS THAT DO NOT APPEAR TO BE CONSISTENT WITH THE CONTOURS AND SLOPES. SPOT ELEVATIONS SHALL BE USED FOR SETTING ELEVATIONS OF CURB, GUTTER, AND SIDEWALK.
8. ALL UTILITIES (MANHOLES, VALVE COVERS, CLEANOUTS, VAULTS, BOXES, ETC.) SHALL BE ADJUSTED TO FINAL GRADE AFTER THE FINAL GRADE IS ESTABLISHED. ALL EARTH MOVING AND PLACEMENT OPERATIONS SHALL BE IN CONFORMANCE WITH THE RECOMMENDATIONS IDENTIFIED IN THE GEOTECHNICAL REPORT OR IN ACCORDANCE WITH ISPMC CURRENT EDITION. THE CONTRACTOR SHALL HAVE A SIGNED AND SEALED COPY OF THE SOILS REPORT ON SITE AT ALL TIMES AND SHALL FOLLOW ALL RECOMMENDATIONS.
9. THE CONTOURS SHOWN ON THE SITE REPRESENT FINAL GRADE, THE TOP 6" (IN.) OF MATERIAL IN LANDSCAPED AREAS SHALL BE TOPSOIL.
10. GRADES WITHIN THE ASPHALT AREAS SHALL BE CONSTRUCTED TO WITHIN 0.05' (FT.) OF THE DESIGN GRADE. HOWEVER, THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE IN ALL PAVEMENT AREAS AND ALONG ALL CURBS. ALL CURBS, SIDEWALKS, AND PAVEMENT AREAS WHICH DO NOT PROVIDE PROPER DRAINAGE MUST BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE.
11. THE EARTHWORK QUANTITIES ARE AN ESTIMATE PROVIDED AS REQUIRED TO OBTAIN A GRADING PERMIT. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE EARTHWORK ESTIMATE. THE PROJECT MANAGER/ARCHITECT DOES NOT GUARANTEE FINAL QUANTITIES AND ANY DISAGREEMENT ABOUT QUANTITY ESTIMATES SHALL BE BROUGHT TO THE ATTENTION OF THE PROJECT MANAGER/ARCHITECT PRIOR TO ANY SITE GRADING AND PROVIDING A BID ON THE PROJECT. EARTHWORK PAYMENT WILL BE MADE BASED ON A LUMP SUM AND THE BID PROVIDED SHALL BE BASED SOLELY ON THE CONTRACTOR'S EARTHWORK ESTIMATE.
12. IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING THE CONSTRUCTION, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE AS NECESSARY TO RETURN IT TO ITS EXISTING CONDITION OR BETTER.
13. THE CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM ANY STRUCTURES AND IN ALL NATURAL AND PAVED AREAS.
14. TOPOGRAPHIC INFORMATION TAKEN FROM A TOPOGRAPHIC SURVEY. IF CONTRACTOR DOES NOT ACCEPT EXISTING TOPOGRAPHY AS SHOWN ON THESE PLANS, THEY MAY, WITHOUT EXCEPTION AND AT THEIR OWN EXPENSE, COMPLETE A TOPOGRAPHIC SURVEY BY A REGISTERED LAND SURVEYOR AND SUBMIT IT TO THE OWNER FOR REVIEW PRIOR TO CONSTRUCTION.
15. THE CONTRACTOR SHALL TAKE NECESSARY STEPS TO ENSURE THAT NO FLOODING OCCURS ON SITE ALL UTILITIES IN OPEN TRENCHES SHALL BE CAPPED DURING CONSTRUCTION, TO PREVENT ACCIDENTAL WATER INTRUSION
16. THIS PROJECT SHALL FOLLOW THE 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN.

LEGEND		
EXISTING	PROPOSED	DESCRIPTION
		CURB & GUTTER (STANDARD 24 INCH)
		EDGE OF PAVEMENT
		FENCE
		ROAD CENTERLINE
		WATER PIPE
		ABANDONED WATER PIPE
		PRIVATE WATER LINE
		SANITARY SEWER PIPE
		STORM SEWER PIPE
		GAS PIPE
		POWER LINE
		FIBER LINE
		TELEPHONE LINE
		PROPERTY LINE
		EASEMENT
		SAW CUT LINE
		SECTION QUARTER LINE
		DECIDUOUS TREE
		FIRE HYDRANT ASSEMBLY
		WATER SERVICE & METER BOX
		WATER VALVE
		SEWER MANHOLE
		STORM MANHOLE
		POWER POLE
		POWER POLE ANCHOR
		MAILBOX
		PAVEMENT
		REMOVAL OF PAVEMENT

TESTING REQUIREMENTS

THE CONTRACTOR IS REQUIRED TO HAVE A CERTIFIED MATERIAL TESTING SPECIALIST PERFORM ANY AND ALL TESTS REQUIRED FOR THE INSTALLATION AND CONSTRUCTION OF THIS PROJECT AS OUTLINED IN THE ISPMC CURRENT EDITION AND THE CITY OF POCATELLO STANDARD REVISIONS (WHICH EVER IS MORE STRINGENT).

EROSION CONTROL

EROSION CONTROL MEASURES WILL BE REQUIRED BY THE CONTRACTOR TO ENSURE NO CONTAMINANTS REACH THE EXISTING STORM SYSTEM. THIS WILL INCLUDE, BUT IS NOT LIMITED TO, DUST ABATEMENT AND RUNOFF TO EXISTING STREETS.




Know what's below.  
Call before you dig.

	REVISIONS:	DATE:	<div>OFFICE OF THE ENGINEERING DEPARTMENT 911 N 7TH AVE ♦ POCATELLO, ID. 83201 ♦ 208.234.6225</div>	CONSTRUCTION PLANS	WHITMAN & HAYES LIFT STATIONS PROJECT	NOTES SHEET	DRAWN: B. HOCH					
							CHECKED: S. ALLEN					
							APPROVED: A. SUING					
							PROJECT NO: EGC - 130					
							DATE: JULY 2021					
							SHEET: 2 of 15					



DETAIL NO.	DRAWING	REFERENCE	DETAIL NO.	DRAWING	REFERENCE
<input type="checkbox"/> PSD-201	RETAINING WALL GUIDELINES	COPSR	<input type="checkbox"/> PSD-609	STANDARD SHALLOW MANHOLE	COPSR
<input checked="" type="checkbox"/> PSD-301	TRENCH AND CURB & GUTTER ASPHALT PATCHBACKS	COPSR	<input checked="" type="checkbox"/> PSD-612	STANDARD MANHOLE	COPSR
<input checked="" type="checkbox"/> PSD-309	PAVEMENT PATCHBACK SECTION	COPSR	<input checked="" type="checkbox"/> PSD-616	STANDARD MANHOLE CONCRETE COLLAR	COPSR
<input checked="" type="checkbox"/> PSD-401	TRENCH SECTION BACKFILL	COPSR	<input checked="" type="checkbox"/> PSD-617	STANDARD MANHOLE RING AND COVER	COPSR
<input type="checkbox"/> PSD-402	THRUST BLOCK INSTALLATION	COPSR	<input type="checkbox"/> SD-624	SAND AND GREASE TRAP	ISPWC
<input type="checkbox"/> PSD-403	SINGLE (GRASS) 1 INCH SERVICE LINE INSTALLATION	COPSR	<input type="checkbox"/> SD-626	CURB OPENING INLET	ISPWC
<input type="checkbox"/> PSD-403A	SINGLE (GRASS) 1 INCH P.E. SERVICE LINE INSTALLATION	COPSR	<input type="checkbox"/> SD-627	GROUND WATER OBSERVATION WELL	ISPWC
<input type="checkbox"/> PSD-404	SINGLE (SIDEWALK) 1 INCH SERVICE LINE INSTALLATION	COPSR	<input checked="" type="checkbox"/> SD-701	6" VERTICAL CURB & GUTTER	ISPWC
<input type="checkbox"/> PSD-405	DOUBLE (GRASS) 1 INCH SERVICE LINE INSTALLATION	COPSR	<input type="checkbox"/> SD-701B	MOUNTABLE ROUNDABOUT CURBS	ISPWC
<input type="checkbox"/> PSD-406	DOUBLE (SIDEWALK) 1 INCH SERVICE LINE INSTALLATION	COPSR	<input checked="" type="checkbox"/> SD-706	CURB CUT DETAIL	ISPWC
<input type="checkbox"/> PSD-407	SINGLE 1.5 INCH OR 2 INCH SERVICE LINE INSTALLATION	COPSR	<input type="checkbox"/> SD-707	CURB TERMINUS	ISPWC
<input type="checkbox"/> PSD-408	DOUBLE 1.5 INCH OR 2 INCH SERVICE LINE INSTALLATION	COPSR	<input checked="" type="checkbox"/> SD-708	VALLEY GUTTER	ISPWC
<input type="checkbox"/> PSD-409	1.5 INCH OR 2 INCH METER VAULT	COPSR	<input checked="" type="checkbox"/> PSD-709	CONCRETE SIDEWALK	COPSR
<input type="checkbox"/> PSD-409A	1.5 INCH OR 2 INCH METER VAULT	COPSR	<input type="checkbox"/> SD-709A	CURBSIDE MAIL BOX STAND	ISPWC
<input type="checkbox"/> PSD-410	3 INCH TO 12 INCH SERVICE LINE INSTALLATION	COPSR	<input checked="" type="checkbox"/> SD-710	CONCRETE SIDEWALK APPROACH	ISPWC
<input type="checkbox"/> PSD-411	STANDARD VALVE LOCATION & END JOINT CONNECTION	COPSR	<input type="checkbox"/> SD-710A	CONCRETE DRIVEWAY WITH SIDEWALK AROUND APPROACH	ISPWC
<input type="checkbox"/> PSD-412	JOINT - USE TRENCH WATER & UTILITIES	COPSR	<input type="checkbox"/> SD-710B	CONCRETE DRIVEWAY WITH RAMPED SIDEWALK	ISPWC
<input type="checkbox"/> PSD-413	FIRE HYDRANT INSTALLATION FOR NEW CONSTRUCTION	COPSR	<input type="checkbox"/> SD-710C	CONCRETE DRIVEWAY WITH DETACHED SIDEWALK	ISPWC
<input type="checkbox"/> PSD-414	VALVE BOX INSTALLATION & ADJUSTMENT	COPSR	<input type="checkbox"/> SD-711	DRIVEWAY GRADE STANDARD	ISPWC
<input type="checkbox"/> PSD-420	STANDARD LOCATIONS FOR METER INSTALLATIONS	COPSR	<input type="checkbox"/> SD-711A	RURAL DRIVEWAY GRADE STANDARD	ISPWC
<input checked="" type="checkbox"/> PSD-421	SEWER CROSSINGS UNDER & OVER NEW MAIN	COPSR	<input type="checkbox"/> SD-712	DETECTABLE WARNING FOR PEDESTRIAN ACCESS	ISPWC
<input checked="" type="checkbox"/> PSD-423	WATER & SEWER CROSSING VERTICAL & HORIZONTAL SEPARATION	COPSR	<input type="checkbox"/> SD-712A	PEDESTRIAN RAMP TYPE "A" FOR NEW DEVELOPMENT	ISPWC
<input checked="" type="checkbox"/> PSD-501	STANDARD MANHOLE FOR 8" TO 24" PIPE	COPSR	<input type="checkbox"/> SD-712C	PEDESTRIAN RAMP TYPE "C" FOR NEW DEVELOPMENT	ISPWC
<input type="checkbox"/> PSD-502	STANDARD MANHOLE FOR 27" TO 36" PIPE	COPSR	<input type="checkbox"/> SD-712D	PEDESTRIAN RAMPS WITHIN RADIUS FOR MODIFYING EXISTING CORNERS	ISPWC
<input type="checkbox"/> PSD-504	STANDARD DROP MANHOLE	COPSR	<input checked="" type="checkbox"/> SD-712E	PEDESTRIAN RAMPS OUTSIDE RADIUS FOR MODIFYING EXISTING CORNERS	ISPWC
<input type="checkbox"/> PSD-505	STANDARD SHALLOW MANHOLE	COPSR	<input type="checkbox"/> SD-712F	PEDESTRIAN RAMP TYPE "F" FOR EXISTING CORNERS	ISPWC
<input type="checkbox"/> SD-506	STANDARD 8" TRAFFIC RATED CLEAN-OUT	ISPWC	<input type="checkbox"/> SD-712G	PEDESTRIAN RAMP WITH NO LANDING	ISPWC
<input type="checkbox"/> SD-506A	STANDARD 4" TRAFFIC RATED CLEAN-OUT	ISPWC	<input type="checkbox"/> SD-713	CONCRETE STEPS	ISPWC
<input type="checkbox"/> SD-506B	BOLT-DOWN COVER DETAILS - 4" CLEAN-OUTS	ISPWC	<input type="checkbox"/> SD-714	CONCRETE PAVEMENT JOINTING CRITERIA	ISPWC
<input type="checkbox"/> SD-506C	BOLT-DOWN COVER DETAIL FOR BACKWATER VALVE - 6" DIA.	ISPWC	<input type="checkbox"/> SD-714A	CONCRETE PAVEMENT JOINTING DETAILS	ISPWC
<input checked="" type="checkbox"/> SD-507	STANDARD MANHOLE COVER AND FRAME	ISPWC	<input type="checkbox"/> SD-714B	CONCRETE PAVEMENT SAWED JOINTS	ISPWC
<input type="checkbox"/> SD-507A	MANHOLE COVER AND FLAT FRAME	ISPWC	<input checked="" type="checkbox"/> SD-715	CURB DRAIN	ISPWC
<input checked="" type="checkbox"/> PSD-508	STANDARD MANHOLE CONCRETE COLLAR	COPSR	<input checked="" type="checkbox"/> PSD-716	CONCRETE SCUPPER	COPSR
<input type="checkbox"/> SD-510	PIPE ANCHORS	ISPWC	<input type="checkbox"/> PSD-717	CONCRETE DUMPSTER PAD	COPSR
<input checked="" type="checkbox"/> PSD-511	STANDARD SEWER SERVICE CONNECTION	COPSR	<input type="checkbox"/> PSD-717A	CONCRETE DUMPSTER PAD WITH ENCLOSURE	COPSR
<input type="checkbox"/> SD-511A	STANDARD SEWER SERVICE CONNECTION FOR NEW DEVELOPMENT PROJECTS	ISPWC	<input type="checkbox"/> PSD-717B	CONCRETE DUMPSTER PAD WITH ENCLOSURE & GATE	COPSR
<input type="checkbox"/> SD-511B	STANDARD DEEP SEWER SERVICE FOR EXISTING DEVELOPMENT TYPE "J"	ISPWC	<input type="checkbox"/> PSD-718	RAILING FOR ROLL OUT COMPACTORS	COPSR
<input type="checkbox"/> SD-512	STANDARD SERVICE MARKER	ISPWC	<input checked="" type="checkbox"/> PSD-800	STREET SPECIFICATIONS	COPSR
<input type="checkbox"/> SD-513	AIR RELEASE/VACUUM VALVE	ISPWC	<input type="checkbox"/> PSD-809	RURAL DRIVEWAY APPROACH	COPSR
<input type="checkbox"/> SD-513A	COMBINATION AIR RELEASE/VACUUM VALVE	ISPWC	<input checked="" type="checkbox"/> SD-1118	STANDARD 25' WOOD POLE STREET LIGHT	ISPWC
<input type="checkbox"/> SD-514	LOCATION WIRE BOX DETAIL	ISPWC	<input type="checkbox"/> SD-1130	SIGN INSTALLATION	ISPWC
<input type="checkbox"/> SD-515	PRESSURE SEWER CLEANOUT	ISPWC	<input checked="" type="checkbox"/> SD-2020	SURVEY MONUMENT & VAULT	COPSR
<input type="checkbox"/> PSD-516	1500 GALLON GREASE INTERCEPTOR PRECAST CONCRETE	COPSR	<input type="checkbox"/> SD-2030A	ADJUST STANDARD MANHOLE TYPE A TO GRADE	ISPWC
<input type="checkbox"/> PSD-517	300 GALLON GREASE INTERCEPTOR PRECAST CONCRETE	COPSR			
<input checked="" type="checkbox"/> PSD-601	30" CATCH BASIN	COPSR			
<input type="checkbox"/> PSD-602	48" CATCH BASIN	COPSR			
<input type="checkbox"/> PSD-606	SEDIMENT BASIN/DRYWELL	COPSR			

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CONSTRUCTION PLANS

WHITMAN & HAYES  
LIFT STATIONS PROJECT

DETAIL REFERENCE SHEET

DRAWN: B. HOCH	
CHECKED: S. ALLEN	
APPROVED: A. SUING	
PROJECT NO: EGC - 130	
DATE: JULY 2021	
SHEET: 3 OF 15	





#### CONTROL POINTS

BENCH MARK NUMBER	DESCRIPTION	STATION	OFFSET	NORTHING	EASTING	ELEVATION

#### CONSTRUCTION ITEMS

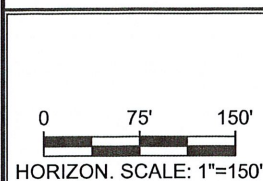
- (201) REMOVAL OF EXISTING ASPHALT PAVEMENT  
ISPGC SECTION 201.4.1.D.1  
641 SY - STA. 1+00 - 3+86
- (307) ASPHALT ROADWAY SURFACE RESTORATION  
(SEE DETAIL PSD-309 IN THE CITY OF  
POCATELLO STANDARDS CURRENT EDITION)  
ISPGC SECTION 307.4.1.G.1  
-SEE SHEET 5 OF HAYES LIFTSTATION  
SURFACE RESTORATION DETAILS.

#### CONSTRUCTION NOTES

- 1 SAW CUT EXISTING ASPHALT FULL DEPTH  
MAKING A CLEAN NEAT LINE (PAYMENT FOR SAW  
CUTTING INCIDENTAL TO OTHER BID ITEMS)
- 2 ESTIMATED SURFACE REPAIR 641 S.Y.



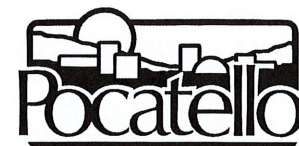
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PLAN OVERVIEW & SURVEY CONTROL

DRAWN:	B. HOCH
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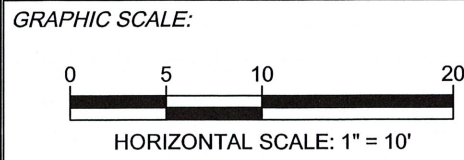


**CONSTRUCTION ITEMS**

- (201) REMOVAL OF EXISTING ASPHALT PAVEMENT  
ISPC SECTION 201.4.1.D.1 , 265 S.Y.
- (307) TYPE "C" SURFACE RESTORATION , ISPC  
307.4.1.E.1  
265 S.Y.
- (706A) INSTALL STANDARD 6" VERTICAL CURB &  
GUTTER & 4" THICK CONCRETE SIDEWALK  
ACROSS W. WHITMAN ST., WITH 20' CURBCUT  
AND DRIVEWAY APPROACH, SEE ISPC FOR  
DESIGN STANDARDS SD-710 A-C, ISPC  
706.4.1.E.1 AND 706.4.1.A.5.
- (706C) INSTALL VALLEY GUTTER WITH MODIFIED WIDTH,  
SEE ISPC FOR DESIGN STANDARDS SD-708,  
ISPC 706.4.1.B.1.
- (706D) INSTALL CONCRETE DRIVEWAY APPROACH, SEE  
ISPC FOR DESIGN STANDARDS SD-710B,  
ISPC 706.4.1.F.1.
- (SP7) INSTALL CONCRETE SCUPPERS (2), SEE  
POCATELLO DESIGN STANDARDS PSD-626, SP-7.

**CONSTRUCTION NOTES**

- (1) REMOVE PAVEMENT FROM BACKSIDE OF  
SIDEWALK AND RESTORE WITH TYPE C  
SURFACE RESTORATION.



REVISIONS:	DATE:
A MODIFIED CONCRETE WORK	10/22/21
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C	

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**CONSTRUCTION PLANS**

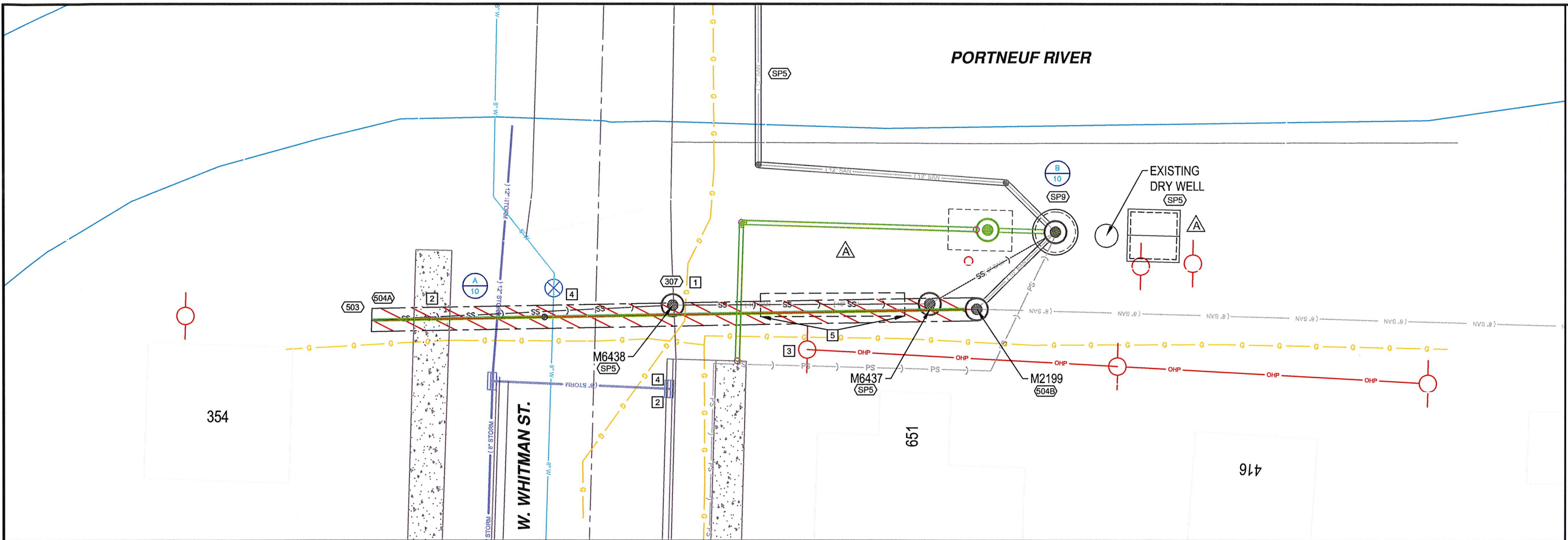
**WHITMAN & HAYES  
LIFT STATIONS PROJECT**

SITE GRADING, SIDEWALK DRAINAGE & DETAILS

DRAWN: B. HOCH
CHECKED: S. ALLEN
APPROVED: A. SUING
PROJECT NO: EGC - 130
DATE: JULY 2021
SHEET: 5 OF 15





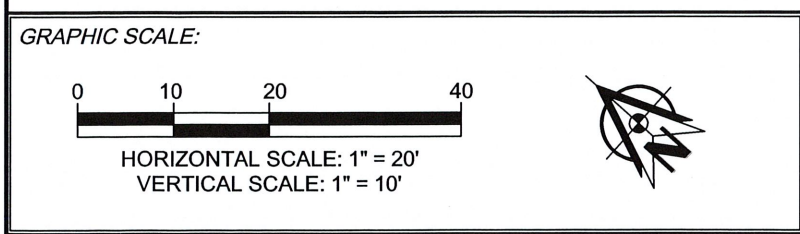
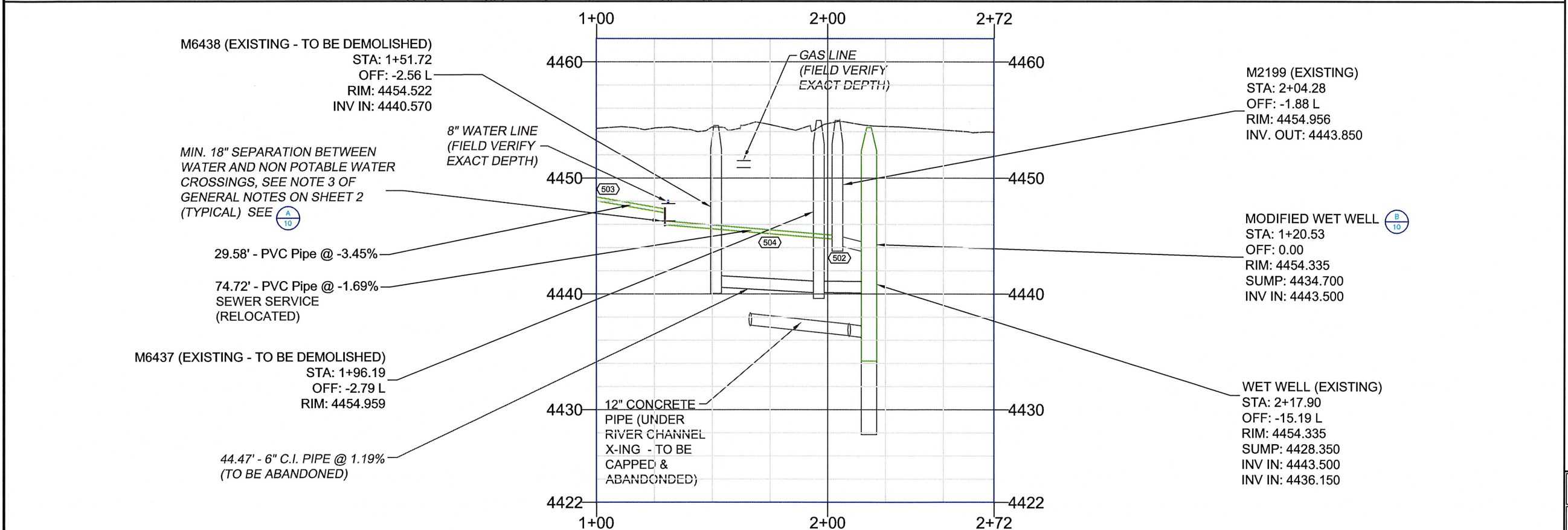


### CONSTRUCTION ITEMS

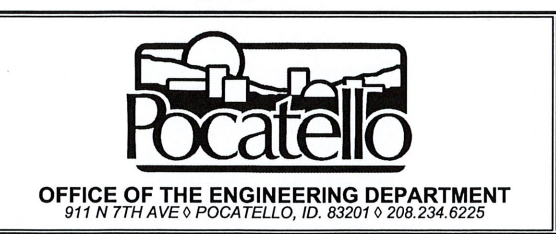
- (307) ASPHALT ROADWAY SURFACE RESTORATION (SEE DETAIL PSD-309 IN THE CITY OF POCATELLO STANDARDS CURRENT EDITION) ISPWC SECTION 307.4.1.G.1
- (503) INSTALL SEWER SERVICE CLEAN OUT AT RIGHT-OF-WAY LINE, ISPWC 503.4.1.A.3
- (504A) INSTALL 4" SEWER SERVICE 103 LF - STA 1+00 0' T - 2+03.00 0' T, ISPWC 504.4.A.1
- (504B) CONNECT SEWER SERVICE TO MANHOLE, ISPWC 504.4.1.C.1
- (SP5) DEMOLITION OF EXISTING STRUCTURES:
  - DRYWELL - RIVER CROSSING
  - M6437
  - M6438
- (SP9) MANHOLE AND WETWELL BASE MODIFICATIONS

### CONSTRUCTION NOTES

- [1] SAW CUT EXISTING ASPHALT FULL DEPTH MAKING A CLEAN NEAT LINE (PAYMENT FOR SAW CUTTING INCIDENTAL TO OTHER BID ITEMS)
- [2] RETAIN & PROTECT EXISTING CURB & GUTTER AND SIDEWALK TO REMAIN
- [3] RETAIN & PROTECT EXISTING OVERHEAD POWER LINES (COORDINATE WITH IDAHO POWER ON ANCHORING POLES ALONG EXCAVATED TRENCH)
- [4] RETAIN & PROTECT EXISTING UNDERGROUND UTILITIES
- [5] BE AWARE OF ABANDONED WET WELL AT THIS APPROXIMATE LOCATION



REVISIONS:	DATE:
A RELOCATE ELECTRICAL AND PIPING	10/22/21
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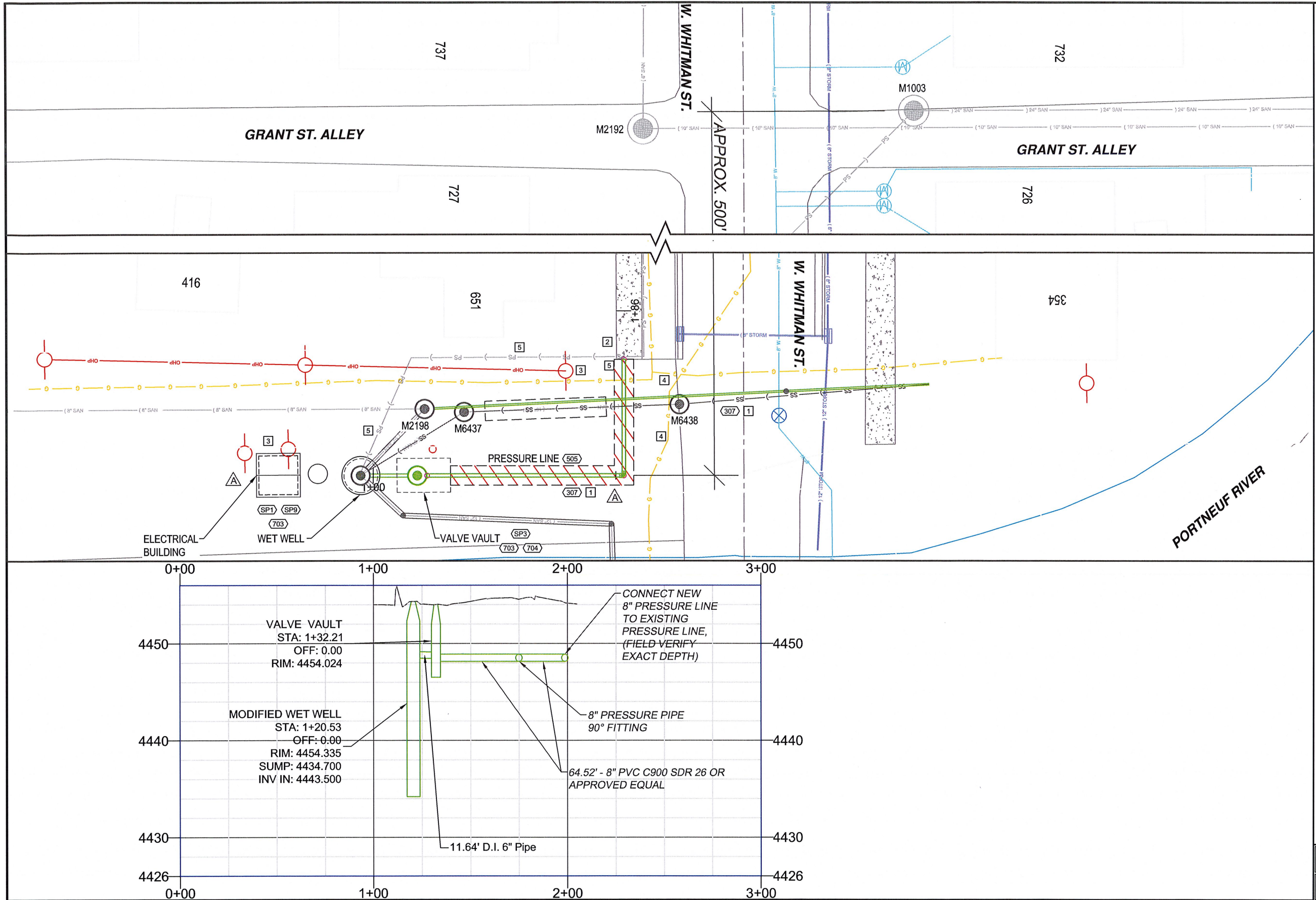
**CONSTRUCTION PLANS**

**WHITMAN & HAYES**  
**LIFT STATIONS PROJECT**

WHITMAN LIFT STATION GRAVITY  
SEWER PLAN & PROFILE

DRAWN: B. HOCH	
CHECKED: S. ALLEN	
APPROVED: A. SUING	
PROJECT NO: EGC - 130	
DATE: JULY 2021	
SHEET: 6 OF 15	





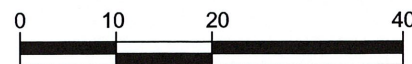
### CONSTRUCTION ITEMS

- (307) ASPHALT ROADWAY SURFACE RESTORATION (SEE DETAIL PSD-309 IN THE CITY OF POCATELLO STANDARDS CURRENT EDITION) ISPCW SECTION 307.4.1.G.1
- (505) INSTALL 8" PRESSURE SEWER LINE 64.52 LF - STA 1+10.0' T - 1+74.52' T, ISPCW 505.4.1.B.1, ISPCW 505.4.B.1
- (703) INSTALL BILCO TYPE J - H20 (OR APPROVED EQUALS) DOORS WITH FALL PROTECTION, GRATING & NEW CONCRETE LIDS, ISPCW 704.4.1.D.1. RE DETAILS SHEETS 12 & 13.
- (704) INSTALL 7' (FT) X 11' (FT) VALVE VAULT, ISPCW 704.4.1.C.1.
- (SP1) INSTALL NEW WETWELL EQUIPMENT AND ASSOCIATED PIPING, VALVES AND FITTINGS. SEE SPECIAL PROVISIONS.
- (SP3) INSTALL NEW VALVE VAULT, ASSOCIATED PIPING, VALVES AND FITTINGS. SEE SPECIAL PROVISIONS.
- (SP9) MANHOLE BASE MODIFICATIONS, SEE SPECIAL PROVISIONS.

### CONSTRUCTION NOTES

- SAW CUT EXISTING ASPHALT FULL DEPTH MAKING A CLEAN NEAT LINE (PAYMENT FOR SAW CUTTING INCIDENTAL TO OTHER BID ITEMS)
- RETAIN & PROTECT EXISTING CURB & GUTTER AND SIDEWALK TO REMAIN
- RETAIN & PROTECT EXISTING OVERHEAD POWER LINES (COORDINATE WITH IDAHO POWER ON ANCHORING POLES ALONG EXCAVATED TRENCH)
- RETAIN & PROTECT EXISTING UNDERGROUND UTILITIES
- EXISTING PRESSURE SEWER PIPE TO BE CAPPED & ABANDONED

GRAPHIC SCALE:



HORIZONTAL SCALE: 1" = 20'  
VERTICAL SCALE: 1" = 10'

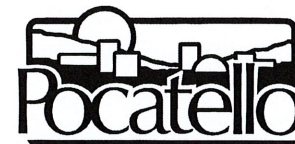


#### REVISIONS:

- A RELOCATE ELECTRICAL AND PIPING
- B
- C

#### DATE:

10/22/21



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### CONSTRUCTION PLANS

WHITMAN & HAYES  
LIFT STATIONS PROJECT

WHITMAN LIFT STATION PRESSURE  
SEWER PLAN & PROFILE

DRAWN:  
B. HOCH

CHECKED:  
S. ALLEN

APPROVED:  
A. SUING

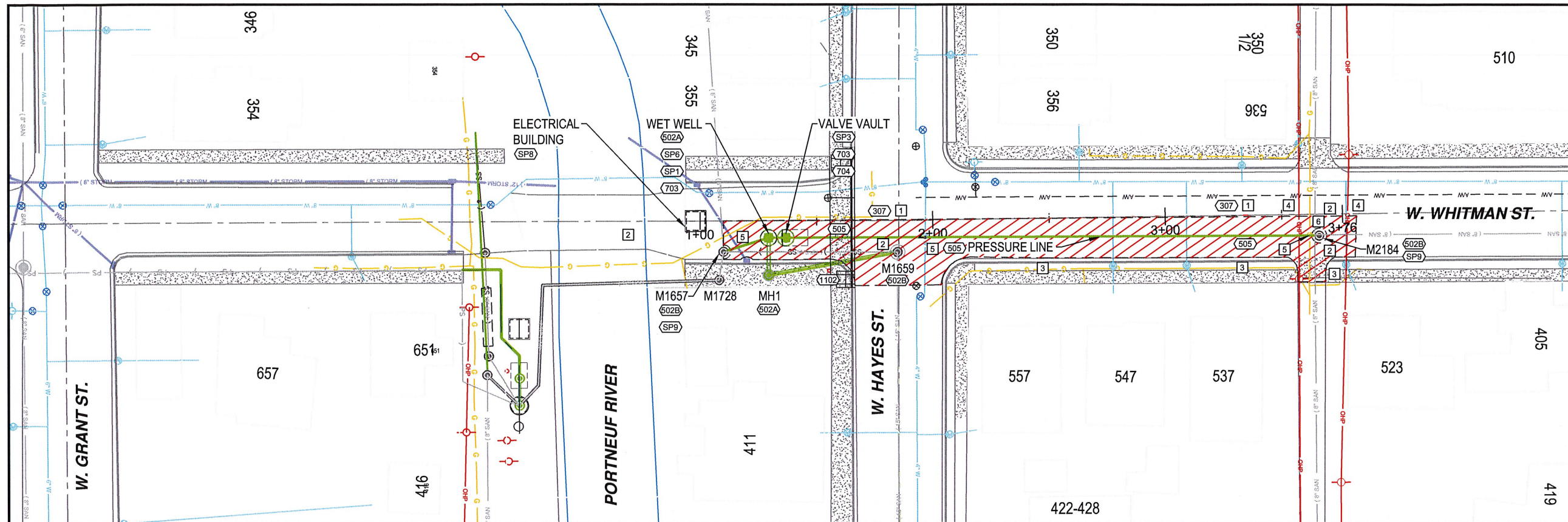
PROJECT NO:  
EGC - 130

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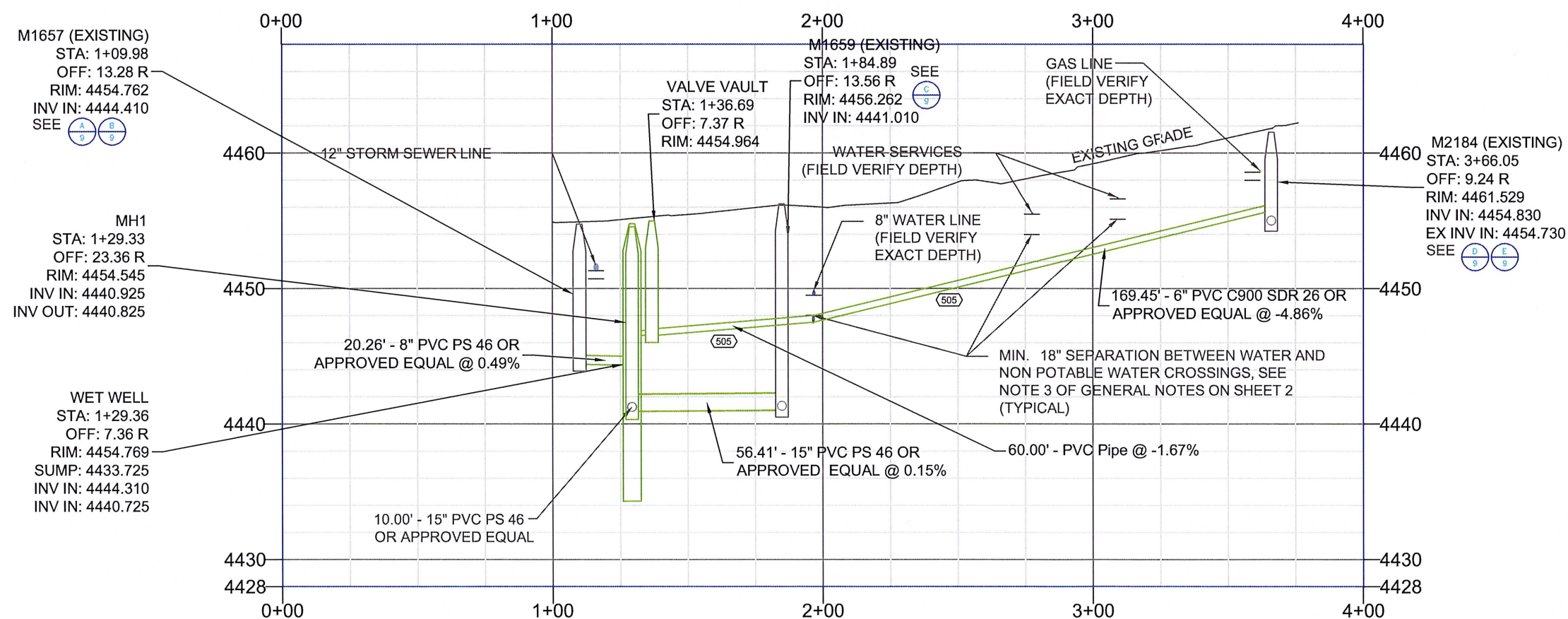


### CONSTRUCTION ITEMS

- (307) ASPHALT ROADWAY SURFACE RESTORATION (SEE DETAIL PSD-309 IN THE CITY OF POCATELLO STANDARDS CURRENT EDITION) ISPWC SECTION 307.4.1.G.1
- (501) INSTALL 15" PVC PS 46 GRAVITY SEWER SERVICE LINE, (SEE ISPWC DETAIL SD-301) ISPWC 501.4.1.B.1.
- (502A) INSTALL SEWER MANHOLE & WETWELL RE SHEET 12 - WETWELL 72" DIAMETER - MH 1 48" DIAMETER
- (502B) CONNECT TO EXISTING MANHOLE ISPWC 502.4.1.F.1
- (505) INSTALL 6" SDR-26 SEWER PRESSURE LINE (SEE DETAIL SD-301) ISPWC SECTION 505.4.1.B.1 229.47 LF - STA 1+38 4.76' R - 3+67.00 5.99 R
- (703) INSTALL BILCO TYPE J - H20 (OR APPROVED EQUALS) DOORS WITH FALL PROTECTION, GRATING & NEW CONCRETE LIDS, ISPWC 704.4.1.D.1. REF DETAILS SHEETS 12 & 13.
- (704) INSTALL 7' (FT) X 11' (FT) VALVE VAULT, ISPWC 704.4.1.C.1.
- (1102) REMOVE & RELOCATE LIGHT POLE AT EXISTING LOCATION, ISPWC 1102.4.1.B.1 SEE SD-1118.
- (SP1) INSTALL NEW WETWELL EQUIPMENT AND ASSOCIATED PIPING, VALVES AND FITTINGS. SEE SPECIAL PROVISIONS.
- (SP3) INSTALL NEW VALVE VAULT, ASSOCIATED PIPING, VALVES AND FITTINGS. SEE SPECIAL PROVISIONS.
- (SP6) EXCAVATE WETWELL USING ENGINEERED SHORING SYSTEM.
- (SP8) INSTALL PRECAST ELECTRICAL BUILDING, SEE SPECIAL PROVISION.
- (SP9) MANHOLE BASE MODIFICATIONS, SEE SPECIAL PROVISIONS.

### CONSTRUCTION NOTES

- 1 SAW CUT EXISTING ASPHALT FULL DEPTH MAKING A CLEAN NEAT LINE (PAYMENT FOR SAW CUTTING INCIDENTAL TO OTHER BID ITEMS)
- 2 RETAIN & PROTECT EXISTING SEWER LINE, AND MANHOLES (ANY DAMAGE THAT OCCURS WILL BE REPAIRED AT THE CONTRACTORS EXPENSE)
- 3 RETAIN & PROTECT EXISTING CURB & GUTTER AND SIDEWALK TO REMAIN
- 4 RETAIN & PROTECT EXISTING OVERHEAD POWER LINES (COORDINATE WITH IDAHO POWER ON ANCHORING POLES ALONG EXCAVATED TRENCH)
- 5 RETAIN & PROTECT EXISTING UNDERGROUND UTILITIES
- 6 INSTALL LOCATION WIRE BOX ACCORDING TO SD-514, PROPERLY GROUNDING END TERMINALS



GRAPHIC SCALE:



HORIZONTAL SCALE: 1" = 50'  
VERTICAL SCALE: 1" = 10'



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### CONSTRUCTION PLANS

WHITMAN & HAYES  
LIFT STATIONS PROJECT

HAYES LIFT STATION GRAVITY &  
PRESSURE SEWER PLAN & PROFILE

DRAWN:  
B. HOCH

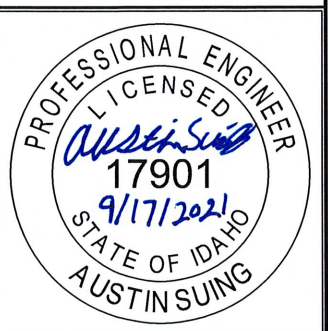
CHECKED:  
S. ALLEN

APPROVED:  
A. SUING

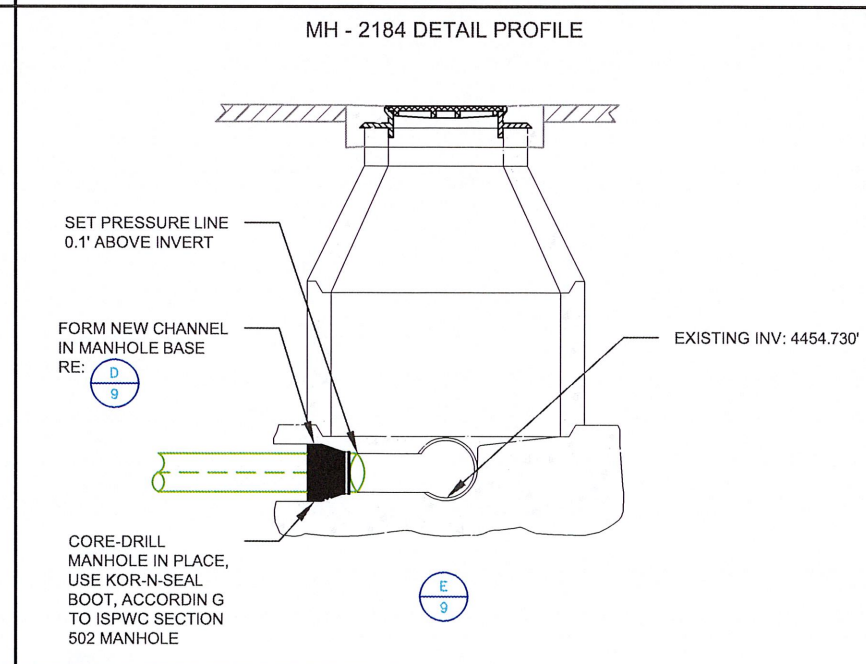
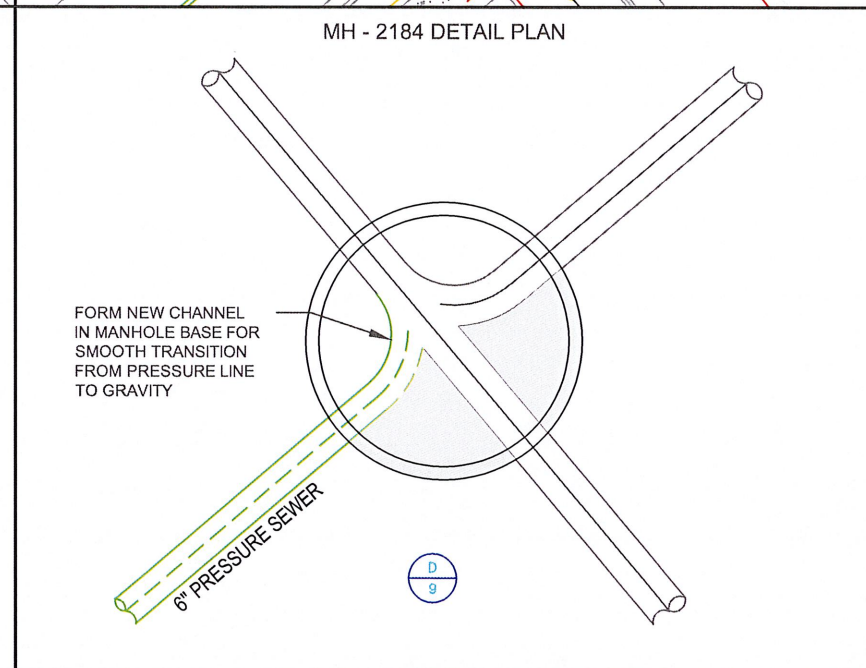
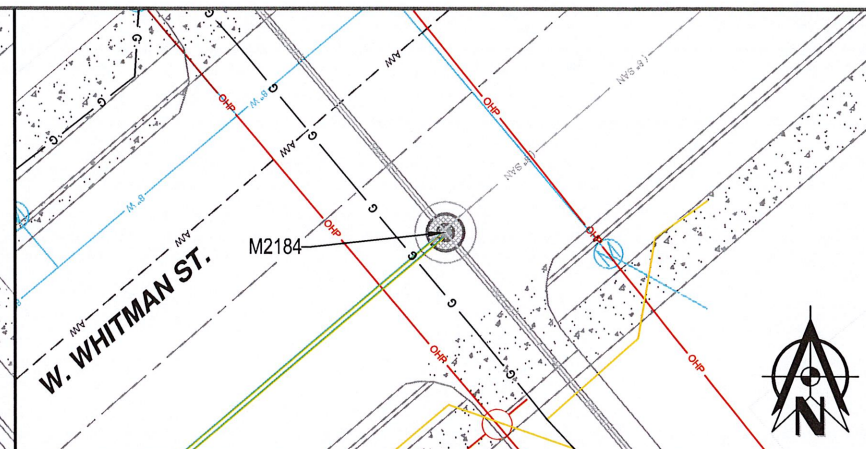
PROJECT NO:  
EGC - 130

DATE:  
JULY 2021

FIGURE:  
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**CONSTRUCTION PLANS**

**WHITMAN & HAYES  
LIFT STATIONS PROJECT**

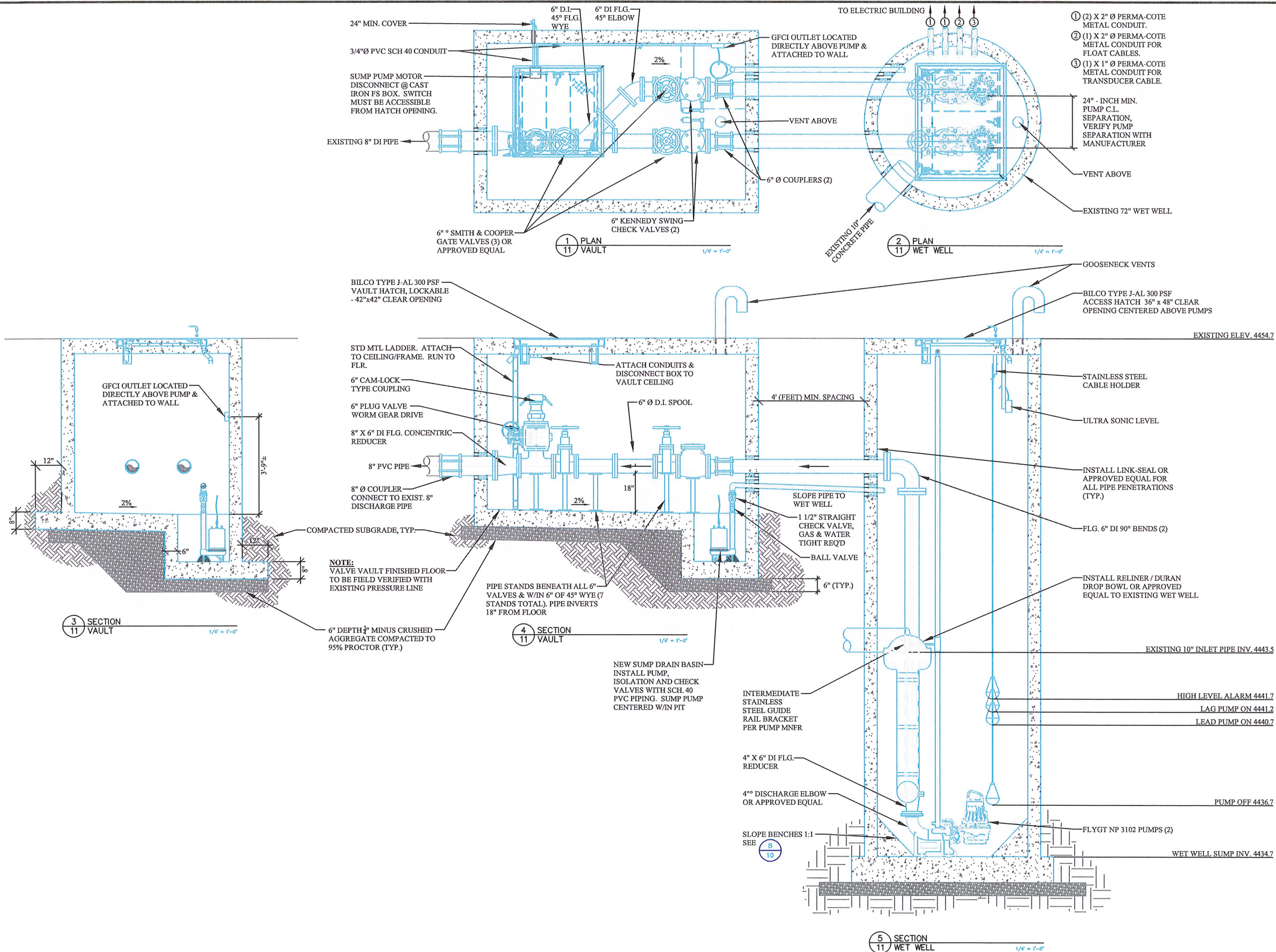
*HAYES MANHOLES M1657, M1659 & M2184 DETAILS*

A circular professional engineer seal for the State of Idaho. The outer ring contains the text "PROFESSIONAL ENGINEER" at the top and "AUSTIN SUING" at the bottom. The inner ring contains "LICENSED" at the top and "STATE OF IDAHO" at the bottom. In the center, the name "Austin Suing" is written in blue cursive, followed by the license number "17901" and the expiration date "9/17/2021" in blue print.









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**CONSTRUCTION PLANS**

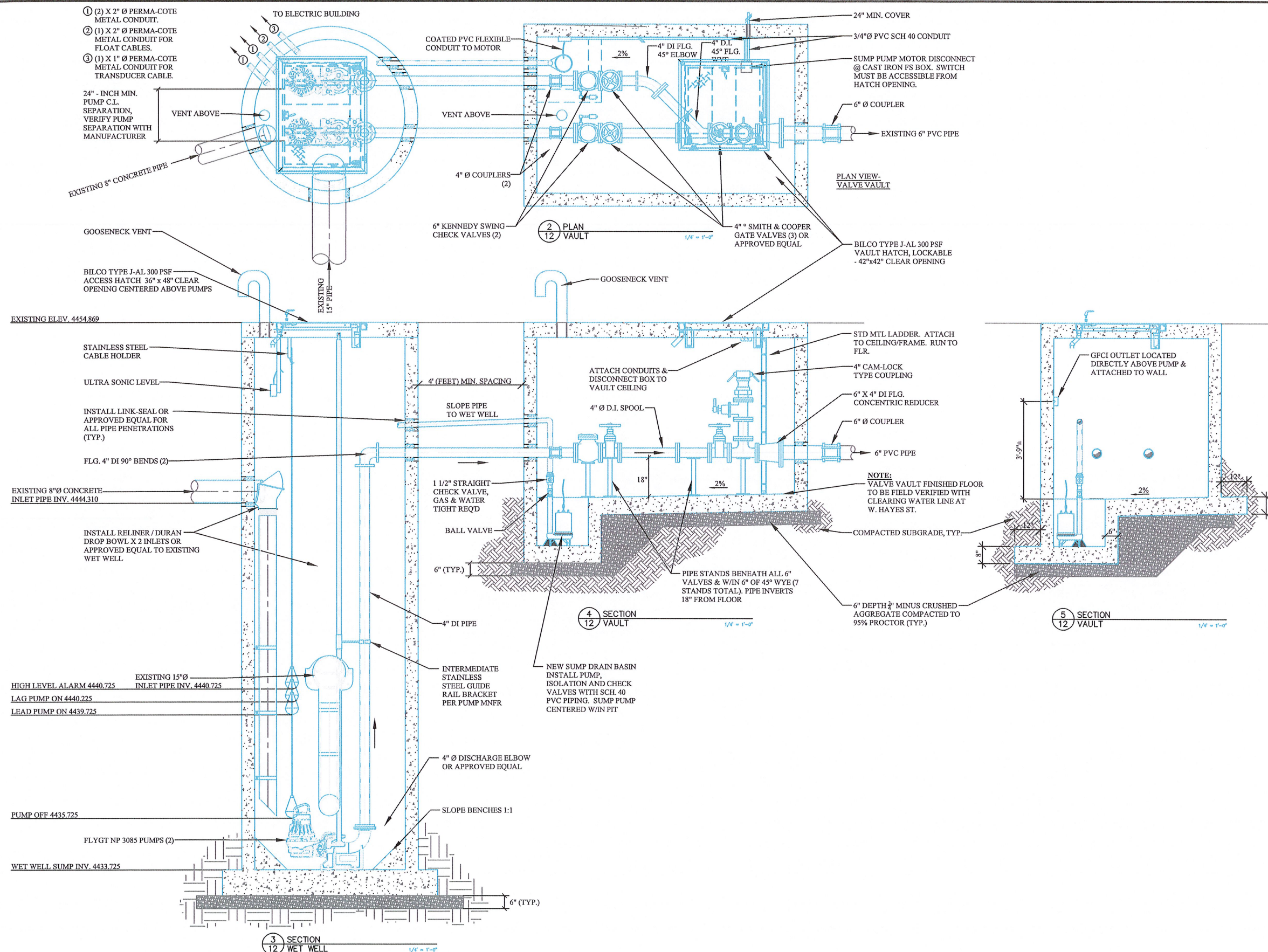
**WHITMAN & HAYES  
LIFT STATIONS PROJECT**

WHITMAN LIFT STATION DETAILS

DRAWN: B. HOCH
CHECKED: S. ALLEN
APPROVED: A. SUING
PROJECT NO: EGC - 130
DATE: JULY 2021
SHEET: 11 OF 15







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**Pocatello**

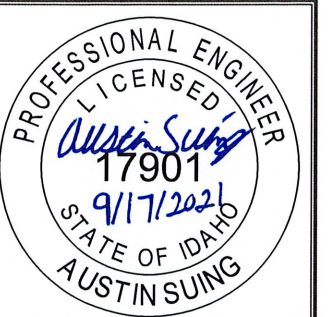
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**CONSTRUCTION PLANS**

**WHITMAN & HAYES  
LIFT STATIONS PROJECT**

**HAYES LIFT STATION DETAILS**

DRAWN: B. HOCH
CHECKED: S. ALLEN
APPROVED: A. SUING
PROJECT NO: EGC - 130
DATE: JULY 2021
SHEET: 12 OF 15



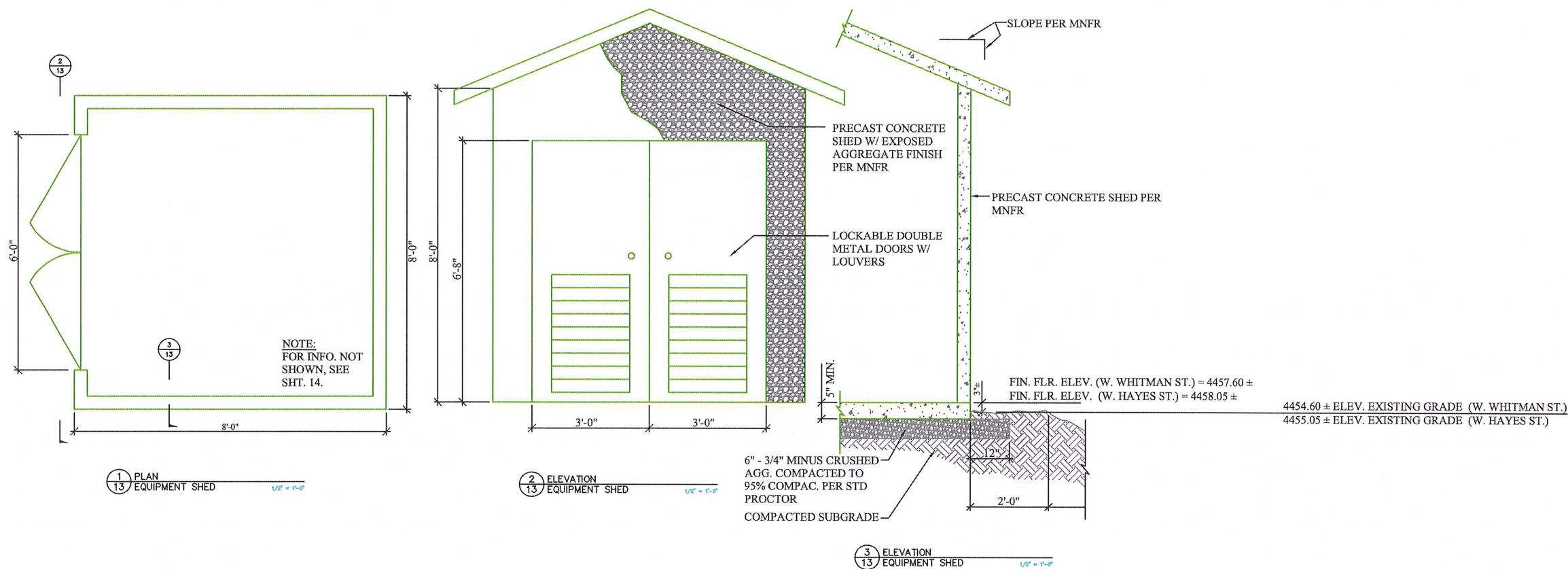


**CONSTRUCTION NOTES**


- [1] PRECAST CONC. SHED SHALL BE DESIGNED USING 45 PSF GROUND SNOW LOAD AND 70 MPH WIND LOAD.
- [2] EXTERIOR SIDE OF CONC. WALLS SHALL BE TEXTURED W/ AN EXPOSED AGGREGATE FINISH.

**BUILDING DESIGN CRITERIA**

- SEISMIC : DO
- WIND : 90 MPH - 3 SECOND GUST / 115 PMH ULTIMATE
- ROOF SNOW LOAD : 35 PSF
- GROUND SNOW LOAD : 44 PSF



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**CONSTRUCTION PLANS**

**WHITMAN & HAYES  
LIFT STATIONS PROJECT**

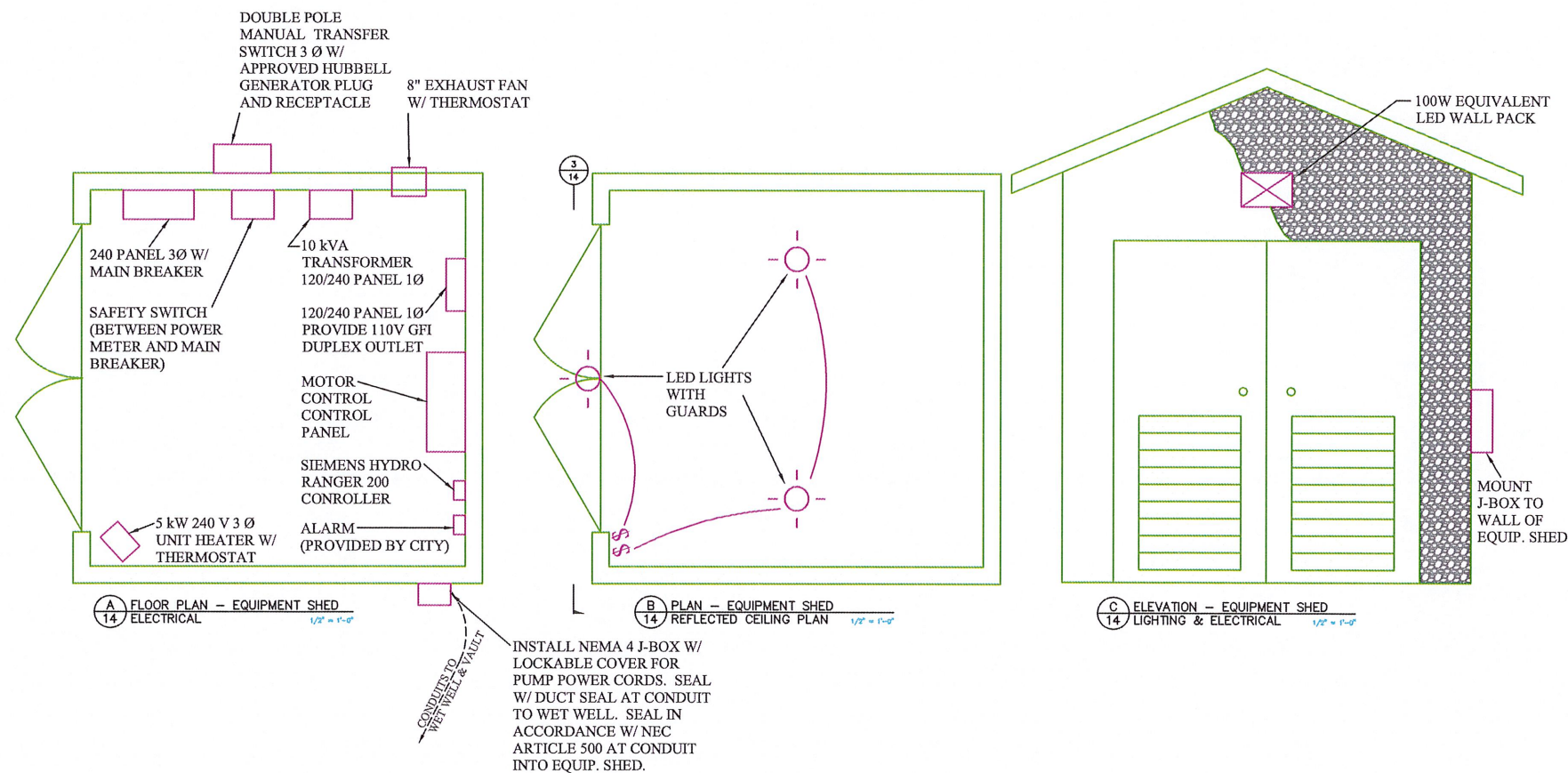
**ELECTRICAL BUILDING**

DRAWN: B. HOCH
CHECKED: J. MURPHY
APPROVED: A. SUING
PROJECT NO: EGC - 130
DATE: JULY 2021
SHEET: 13 OF 15





- NOTES:
1. SEAL OFF INTERIOR OF ALL CONDUITS BETWEEN SHED & WET WELL OR VAULT IN ACCORDANCE WITH NEC ARTICLE 500. PLACE SEALANT AT EQUIP. SHED.
  2. ELECTRICIAN MAY RELOCATE ELECTRICAL EQUIPMENT AS REQUIRED W/ ENGR'S PRIOR APPROVAL.



REVISIONS:

A  
B  
C

DATE:



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CONSTRUCTION PLANS

WHITMAN & HAYES  
LIFT STATIONS PROJECT

ELECTRICAL BUILDING DETAILS & LAYOUT

DRAWN:  
B. HOCH

CHECKED:  
J. MURPHY

APPROVED:  
A. SUING

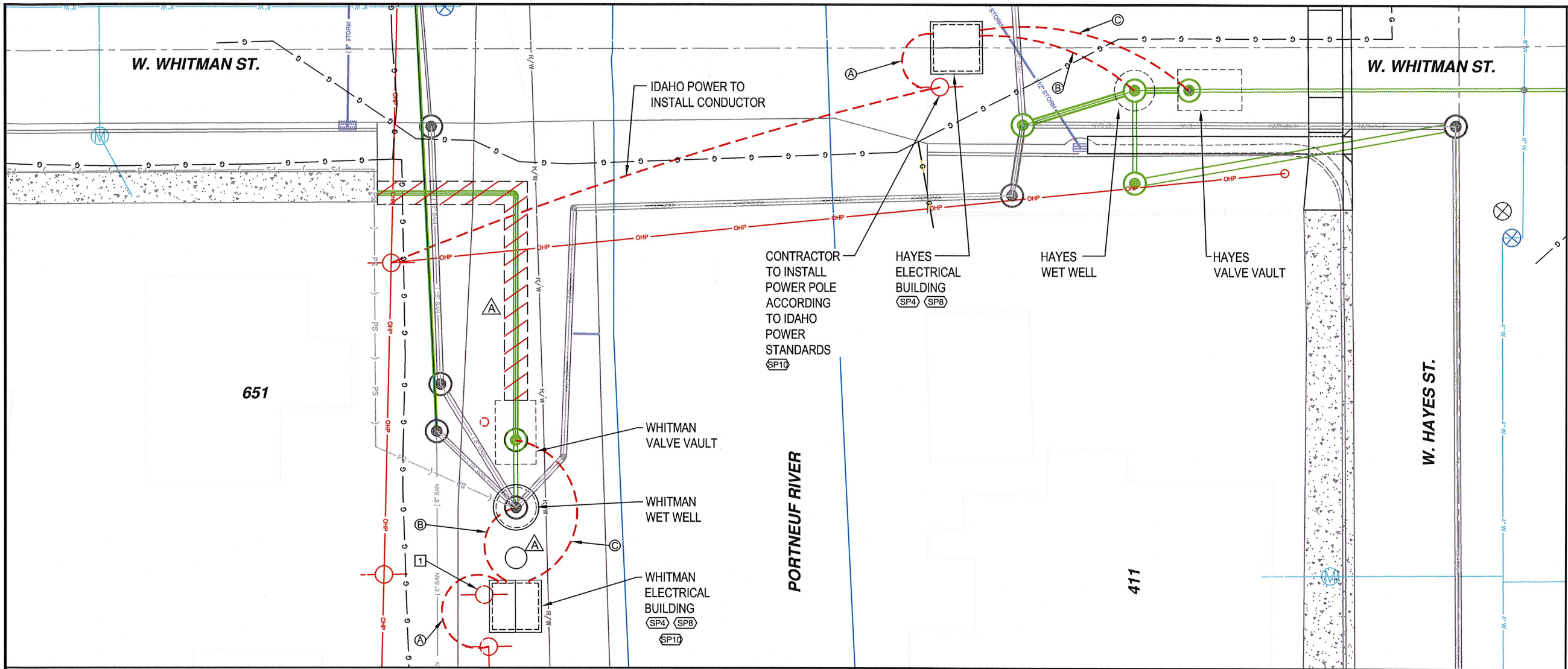
PROJECT NO:  
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**CONSTRUCTION ITEMS**

- (SP4) INSTALL ALL ELECTRICAL EQUIPMENT AND CONDUIT. INCLUDES WIRING, ALL EQUIPMENT IN WETWELL AND VALVE VAULT.
- (SP8) INSTALL PRECAST ELECTRICAL BUILDING.
- (SP10) INSTALL NEW POWER SERVICE.

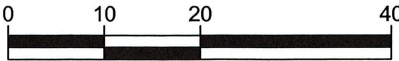
**ELECTRICAL NOTES**

- (A) INSTALL 2" Ø PERMA-COTE CONDUIT FROM SERVICE POLE TO EQUIPMENT SHED FOR POWER. MIN. 36" COVER.
- (B) INSTALL (3) X 2" Ø PERMA-COTE METAL CONDUIT, FOR PUMP POWER AND FLOAT CABLES AND (1) X 1" Ø FOR TRANSDUCER CABLE, FROM WET WELL TO EQUIPMENT SHED. MIN. 36" COVER.
- (C) INSTALL 1" Ø PERMA-COTE METAL CONDUIT FROM VALVE VAULT TO EQUIPMENT SHED.

**CONSTRUCTION NOTES**

- 1 CONTRACTOR TO RELOCATE POWER METER BOX TO SIDE OF ELECTRICAL BUILDING AND REMOVE POWER POLE ONCE POWER IS TRANSFERRED.

GRAPHIC SCALE:



HORIZONTAL SCALE: 1" = 20'  
VERTICAL SCALE: 1" = 10'



REVISIONS:

- (A) RELOCATE ELECTRICAL AND PIPING
- (B)
- (C)

DATE:

10/22/21



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**CONSTRUCTION PLANS**

**WHITMAN & HAYES  
LIFT STATIONS PROJECT**

**ELECTRICAL SITE PLAN**

DRAWN:  
B. HOCH

CHECKED:  
S. ALLEN

APPROVED:  
A. SUING

PROJECT NO:  
EGC - 130

DATE:  
JULY 2021

SHEET:  
15 OF 15

