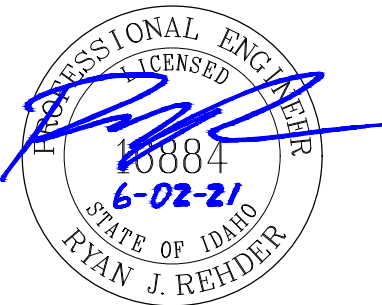


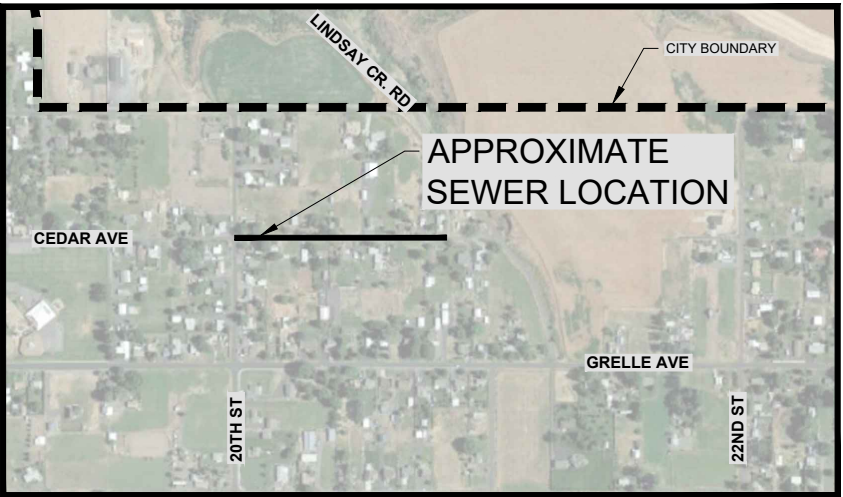
CITY OF LEWISTON
NEZ PERCE COUNTY , IDAHO

CEDAR AVE. (2000 BLOCK) SEWER PROJECT (WW-041)(IFB-21-009)

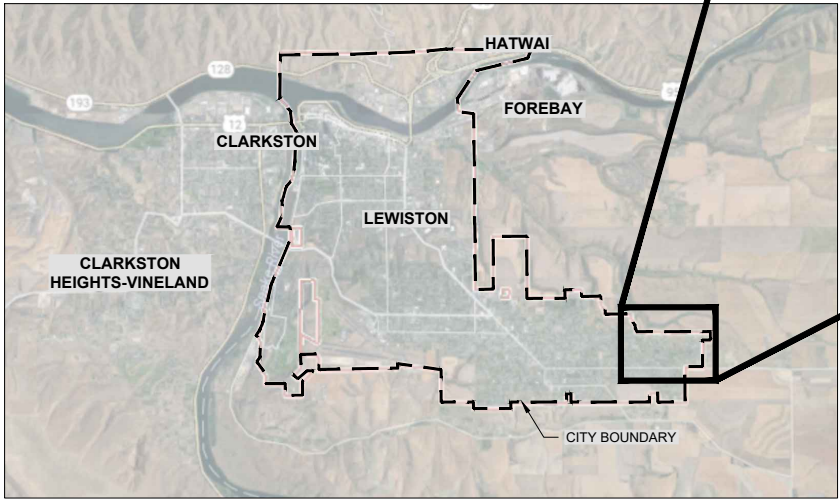


215 D STREET SUITE B
PO BOX 617
LEWISTON, ID 83501-1930
PH.208.746.1316
FX.888.397.8634
www.cityoflewiston.org

AGENCY TELEPHONE NUMBERS	
PUBLIC WORKS DEPARTMENT	208 746-1316
STREETS/TRAFFIC	208 791-2311
WASTEWATER (CITY)	208 791-0986
LEWISTON ORCHARDS IRRIGATION DISTRICT (LOID)	208-305-5398
AVISTA UTILITIES	208 798-1473
CABLEONE	208 746-3325
CENTURYLINK	208 798-8380
DIGLINE	811



LOCATION MAP



VICINITY MAP

DRAWING INDEX

G-1	TITLE SHEET
G-2	GENERAL NOTES
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G-4	LEGEND AND SYMBOLS
C-1	PLAN & PROFILE
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NO.	REVISION	BY	DATE	DESIGN
1	RECORD DRAWING	RJR	6/2/2021	
				DRAWN
				OTW
				CHECKED
				APPROVED

RECORD DRAWING

THESE RECORD DRAWINGS HAVE BEEN
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ENGINEERING AND ENVIRONMENTAL SOLUTIONS

504 MAIN ST. SUITE 310
LEWISTON, IDAHO 83501
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CEDAR AVE. (2000 BLOCK)
SEWER PROJECT (WW-041)(IFB-21-009)
LEWISTON, IDAHO

TITLE SHEET

VERIFY SCALE	
BAR IS ONE INCH ON FULL SIZE DRAWING	
PROJECT :	181.0030.00
DATE :	6/2021
DRAWING NO.	
G-1	

Path: C:\MWH\Dropbox (Mountain Waterworks)\CAD\Eng\JLL\Lewis\181\Wastewater\0020 Expansion Phase 1\Cedar Ave Project\CAD\B 181\0030PH-1 G-2.dwg File Name: AB 1810030PH-1 G-2.dwg Plt Date: 6/2/2021 10:47 AM Sheet: 1

GENERAL NOTES:

1.

ALL CONSTRUCTION WORK SHALL CONFORM TO THE 2017 VERSION OF THE IDAHO STANDARDS FOR PUBLIC WORKS CONSTRUCTION (ISPMC) AND THE CITY OF LEWISTON CONSTRUCTION STANDARD DRAWINGS. THE PLANS AND SPECIFICATIONS INCLUDING ANY AMENDMENTS, AS WELL AS FEDERAL, STATE AND LOCAL REQUIREMENTS.
2.

THE CITY OF LEWISTON HAS JURISDICTION OVER THIS WORK AND THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND BUSINESS LICENSES PRIOR TO CONSTRUCTION.
3.

A RIGHT OF WAY USE PERMIT IS REQUIRED AND WORK SHALL BE COORDINATED WITH THE CITY OF LEWISTON AND COMPLY WITH OSHA REGULATIONS.
4.

ALL APPROVALS AND PERMITS REQUIRED BY THE CITY OF LEWISTON, IDAHO DEPARTMENT OF TRANSPORTATION, NEZ PERCE COUNTY, UNITED STATES ENVIRONMENTAL PROTECTION AGENCY AND UNITED STATES ARMY CORPS OF ENGINEERS SHALL BE OBTAINED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.
5.

THE CONTRACTORS PERSONNEL, EQUIPMENT, AND OPERATIONS SHALL COMPLY WITH APPLICABLE REGULATIONS OF THE CITY, STATE OF IDAHO, AND FEDERAL GOVERNMENTAL AGENCIES.
6.

CONTRACTOR SHALL MAINTAIN A COPY OF THE IDAHO DEPARTMENT OF ENVIRONMENTAL QUALITY APPROVED PLANS AND SPECIFICATIONS ON-SITE AT ALL TIMES.
7.

CERTAIN PORTIONS OF EXISTING SITE INFORMATION INCLUDING THE LOCATION OF EXISTING SITE CONDITIONS, SURFACE TOPOGRAPHY AND PROJECT BENCHMARKS AS SHOWN ON THESE PLANS HAVE BEEN PROVIDED BY J-U-B ENGINEERS THROUGH FIELD WORK PERFORMED IN THE SUMMER OF 2018. ALL DATA AND DISTANCES SHALL BE CHECKED BY THE CONTRACTOR PRIOR TO CONSTRUCTION AND THE ENGINEER SHALL BE PROMPTLY NOTIFIED OF ANY CONFLICTS, DISCREPANCIES AND DIFFERENCES.
8.

THE TYPES, LOCATIONS, SIZES AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THESE DRAWINGS WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS AND DEPTHS OF SUCH UNDERGROUND UTILITIES. THE PROJECT ENGINEER ASSUMES NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF THE DELINEATION OF SUCH UNDERGROUND UTILITIES, OR THE EXISTENCE OF OTHER BURIED OBJECTS OR UTILITIES WHICH MAY BE ENCOUNTERED, BUT WHICH ARE NOT SHOWN ON THESE DRAWINGS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO IDENTIFY EXACT LOCATIONS OF EXISTING UTILITIES PRIOR TO THE START OF ANY PROJECT CONSTRUCTION. ANY LOCATION WHICH MAY POSE A CONFLICT WITH THE PROPOSED CONSTRUCTION MUST BE REPORTED TO THE PROJECT ENGINEER PRIOR TO THE START OF ANY PROJECT CONSTRUCTION.
9.

THE CONTRACTOR SHALL ARRANGE FOR, SECURE, AND PAY FOR ALL TEMPORARY UTILITIES NECESSARY FOR THE EXECUTION OF THE WORK AND INCLUDE IN THE APPROPRIATE BID ITEM.
10.

UNLESS DETAILED, SPECIFIED, OR OTHERWISE INDICATED ON THE DRAWINGS, CONSTRUCTION SHALL BE AS INDICATED ON THE APPLICABLE TYPICAL DETAILS, CITY STANDARD DRAWINGS, AND GENERAL NOTES. TYPICAL DETAILS SHALL APPLY EVEN THOUGH NOT REFERENCED AT SPECIFIC LOCATIONS ON DRAWINGS.
11.

CONSTRUCTION IS ANTICIPATED TO DISTURB MORE THAN 1 (ONE) ACRE AND TRENCH DEWATERING IS ALSO ANTICIPATED AND THE CONTRACTOR SHALL OBTAIN A COPY OF THE U.S. ENVIRONMENTAL PROTECTION AGENCY'S (THROUGH THE IDAHO DEPARTMENT OF ENVIRONMENTAL QUALITY (IDEQ)) GENERAL PERMIT FOR STORMWATER DISCHARGES AND DEWATERING DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY AND SUBMIT A "NOTICE OF INTENT" (NOI) FOR PERMIT COVERAGE UNDER THE GENERAL PERMIT. CONTACT IDEQ AT 208-XXX-XXXX. PERMITS MAY TAKE MULTIPLE WEEKS TO OBTAIN. CONTRACTORS ARE ADVISED TO NOT DELAY IN THIS REQUIREMENT.
12.

WHERE NO CONSTRUCTION DETAILS ARE SHOWN OR NOTED FOR ANY PART OF WORK, DETAILS SHALL BE THE SAME AS FOR OTHER SIMILAR WORK.
13.

ANY CHANGES TO THE DESIGN AS SHOWN IN THESE CONSTRUCTION DRAWINGS MUST BE REVIEWED AND APPROVED BY THE PROJECT ENGINEER BEFORE CHANGES ARE MADE.
14.

ALL SEWER MAIN LINES AND MANHOLES SHALL BE AIR/VACUUM TESTED IN ACCORDANCE WITH ISPMC. THE CONTRACTOR SHALL CALL DIG LINE (800-342-1585) TO LOCATE ALL EXISTING UTILITIES ON EACH SEWER LINE SEGMENT AT LEAST ONE WEEK PRIOR TO EXCAVATION OF THAT SEWER LINE SEGMENT.
15.

CONTRACTOR SHALL RETAIN AND PROTECT ALL EXISTING MONUMENTS, SURVEY MARKERS, STREET SIGNS, UTILITIES, IRRIGATION LINES, PAVEMENT, TREES, FENCES, AND ANY OTHER OBJECTS ON OR ADJACENT TO THE WORK FROM DAMAGE AND REPAIR OR REPLACE DAMAGED FACILITIES AS REQUIRED BY THE OWNER AND THE PROJECT ENGINEER.
16.

ALL SEWER MAIN LINES SHALL BE HYDROCLEANED AND TV'ED UPON COMPLETION OF ALL UNDERGROUND UTILITY WORK IN ACCORDANCE WITH ISPMC BY A LICENSED CCTV INSPECTION COMPANY SPECIALIZING IN SEWER INSPECTIONS. THE CONTRACTOR SHALL SUBMIT TWO (2) COPIES OF ALL REPORTS TO THE DESIGN ENGINEER FOR REVIEW PRIOR TO PAVING.
17.

COAT ALL ALUMINUM IN CONTACT WITH CONCRETE WITH COAL TAR EPOXY.
18.

THE CONTRACTOR SHALL NOTIFY THE CITY OF LEWISTON AND THE LEWISTON ORCHARDS IRRIGATION DISTRICT (LOID) A MINIMUM OF SEVENTY-TWO (72) HOURS PRIOR TO A PLANNED DISRUPTION OF SEWER, IRRIGATION, OR WATER SERVICE.
19.

THE CONTRACTOR SHALL NOTIFY THE CITY OF LEWISTON AND THE PROJECT ENGINEER A MINIMUM OF FORTY-EIGHT (48) HOURS PRIOR TO ANY PIPELINE TESTING, TV WORK, AND THE PLACING OF CONCRETE COLLARS.
20.

CONTRACTOR SHALL PROVIDE THE PROJECT ENGINEER WITH ONE COPY OF REDLINED AS-BUILT DRAWINGS PRIOR TO PROJECT ACCEPTANCE.
21.

CONTRACTOR IS RESPONSIBLE FOR DUST CONTROL AND FUGITIVE DUST EMISSIONS AND SHALL IMPLEMENT AND TAKE POSITIVE ACTIONS TO CONTROL DUST.
22.

MINIMUM SEPARATION SHALL BE MAINTAINED BETWEEN POTABLE WATER MAINS AND NON-POTABLE WATER MAINS IN ACCORDANCE WITH THE CITY STANDARD DRAWINGS.
23.

THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL AS REQUIRED BY THE CITY OF LEWISTON, NEZ PERCE COUNTY. COMPLY WITH MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. THE CONTRACTOR SHALL DEVELOP A TRAFFIC CONTROL PLAN AND SUBMIT TO THE CITY FOR REVIEW AND APPROVAL PRIOR TO MOBILIZATION.
24.

CONTRACTOR IS REQUIRED TO ARRANGE, SECURE, AND PAY FOR ALL COMPACTION TESTING, INCLUDING NUCLEAR DENSITY TESTING OF THE SUBGRADE, SUBBASE, BASE COURSE AND ASPHALT, AND THE COST ASSOCIATED WITH PROCTORS FOR THE BASE COURSE MATERIAL AND ASPHALT PAVEMENT. TESTING SHALL BE CONDUCTED BY AN INDEPENDENT THIRD PARTY.
25.

THE SEWER COLLECTION SYSTEM IS THE CITY OF LEWISTON'S ONLY MEANS OF CONVEYING DOMESTIC WASTEWATER FROM INDIVIDUAL PRIVATE RESIDENCE'S TO THE WASTEWATER TREATMENT FACILITY. IMPAIRING THE OPERATIONAL CAPABILITIES OF THIS COLLECTION SYSTEM WILL RESULT IN DISRUPTION OF SEWER DISCHARGE FROM THE INDIVIDUAL SEWER SYSTEM USERS IN THE CITY.
26.

CONDUCT WORK IN A MANNER THAT WILL NOT IMPAIR THE OPERATIONAL CAPABILITIES OF ESSENTIAL ELEMENTS OF THE COLLECTION SYSTEM.
27.

LIMIT THE DURATION OF COLLECTION SYSTEM DISRUPTION TO INDIVIDUAL USERS TO A SINGLE DAY DURING APPROVED WORK HOURS.
28.

THE COLLECTION SYSTEM IS CONSIDERED OPERATIONAL WHEN ALL INDIVIDUAL USERS CAN FLOW SEWAGE FROM THE RESIDENCE TO THE WASTEWATER TREATMENT FACILITY.
29.

NO CITY COLLECTION SYSTEM USER WILL BE WITHOUT SEWER SERVICE LONGER THAN PERMITTED WORK HOURS OR 10 HOURS IN ANY GIVEN DAY BETWEEN THE HOURS OF 8:00 AM AND 6:00 PM. IF CONSTRUCTION REQUIRES LONGER DISRUPTION OF SERVICE THE CONTRACTOR WILL COORDINATE WITH THE CITY, HOME OWNER/OCCUPANT, AND ENGINEER 24 HOURS IN ADVANCE. THE CONTRACTOR WILL INSTALL TEMPORARY FACILITIES TO PROVIDE SEWER SERVICE TO INDIVIDUAL RESIDENCES DURING NON-PERMITTED WORK HOURS.

30.

GROUNDWATER IS ANTICIPATED DURING CONSTRUCTION. IT IS THE CONTRACTORS RESPONSIBILITY TO DEWATER THE TRENCH DURING CONSTRUCTION PER ISPMC SECTION 205.
31.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH PROPERTY OWNERS/OCCUPANTS AND UTILITY COMPANIES DURING CONSTRUCTION. LOCAL ACCESS TO INDIVIDUAL DRIVEWAYS CANNOT BE BLOCKED FOR MORE THAN EIGHT (8) CONSECUTIVE HOURS. CONTRACTOR TO COORDINATE BLOCKING OF ACCESS WITH HOMEOWNERS AND OCCUPANTS.
32.

OWNER TO PROVIDE CONSTRUCTION SURVEY CONSISTING OF ONE (1) TIME PLACEMENT OF STAKES FOR STRUCTURE RIM AND INVERT ELEVATIONS, SUBGRADE AND TOP OF GRAVEL VERIFICATION IN 50-FOOT INTERVALS ALONG THE ALIGNMENT WITH 25-FOOT INTERVALS AT INTERSECTIONS, AS WELL AS REFERENCE AND RESET MONUMENTS AS NECESSARY. CONTRACTOR TO SUPPLY MATERIALS FOR MONUMENTS. ALL OTHER SURVEYING NECESSARY TO COMPLETE THE WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

EROSION AND SEDIMENT CONTROL NOTES:

1.

PRIOR TO START OF CONSTRUCTION, A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) SHALL BE PREPARED BY THE CONTRACTOR. ALL CONTRACTORS WILL BE REQUIRED TO ADOPT AND FOLLOW ALL REQUIREMENTS SET FORTH IN THE SWPPP. THE SWPPP WILL BE SUBMITTED TO THE OWNER AND ENGINEER FOR REVIEW.
2.

CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL MEASURES/STORMWATER BEST MANAGEMENT PRACTICES (BMP'S) IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REQUIREMENTS.
3.

THE IMPLEMENTATION OF THESE EROSION AND SEDIMENT CONTROL MEASURES INCLUDING CONSTRUCTION, MAINTENANCE, REPLACEMENT AND UPGRADING OF THIS PLAN IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ALL PROJECT CONSTRUCTION IS COMPLETED AND APPROVED BY THE OWNER. THE OWNER SHALL BE RESPONSIBLE FOR ALL MAINTENANCE AFTER THE PROJECT IS APPROVED.
4.

ALL EROSION CONTROL BMP'S SHALL BE INSTALLED PRIOR TO THE START OF ANY PROJECT CONSTRUCTION OR EARTH DISTURBING ACTIVITIES AND SHOULD REMAIN IN PLACE UNTIL ALL DISTURBED/EXPOSED AREAS HAVE BEEN STABILIZED AND/OR REVEGETATED.
5.

ALL STORMWATER, EROSION AND SEDIMENT CONTROL FACILITIES SHALL BE REGULARLY INSPECTED AND MAINTAINED BY THE CONTRACTOR DURING CONSTRUCTION.
6.

WORK ACTIVITIES SHALL TAKE PLACE IN EXISTING RIGHTS OF WAY AS SHOWN ON THESE PLANS. CONTRACTOR SHALL PRESERVE NATURAL LANDSCAPE OUTSIDE OF RIGHT OF WAY.
7.

CONTRACTOR SHALL STOCKPILE TOPSOIL REMOVED DURING CONSTRUCTION AND REUSE/DISTRIBUTE OVER GRADED AREAS PRIOR TO RESEEDING.
8.

ALL SLOPE AND OUTLET PROTECTION SHALL BE INSTALLED IMMEDIATELY AFTER GRADING.
9.

TOPSOILING AND RESEEDING OF ALL DISTURBED AREAS TO BE COMPLETED IMMEDIATELY AFTER GRADING USING A NATIVE SEED MIXTURE.

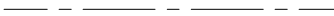
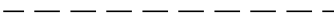
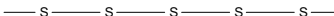
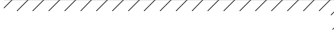
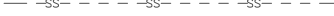
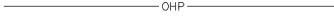
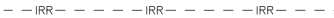
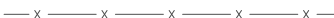
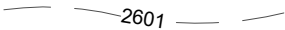
ROCK EXCAVATION:

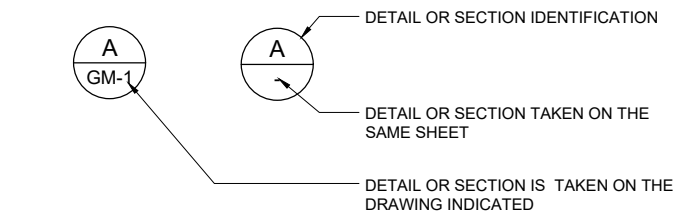
1.

A PRELIMINARY GEOTECHNICAL INVESTIGATION WAS COMPLETED USING A 1.5-INCH DIAMETER HYDRAULIC HAMMER PROBE TO DETERMINE THE APPROXIMATE DEPTH TO BEDROCK. THE DEPTH TO WEATHERED ROCK, THE DEPTH TO REFUSAL, AND THE TESTING LOCATIONS ARE INDICATED ON THE DRAWINGS. THE INDICATED DEPTHS ARE CONSIDERED APPROXIMATE AND DO NOT NECESSARILY REPRESENT THE ACTUAL BEDROCK PROFILE.

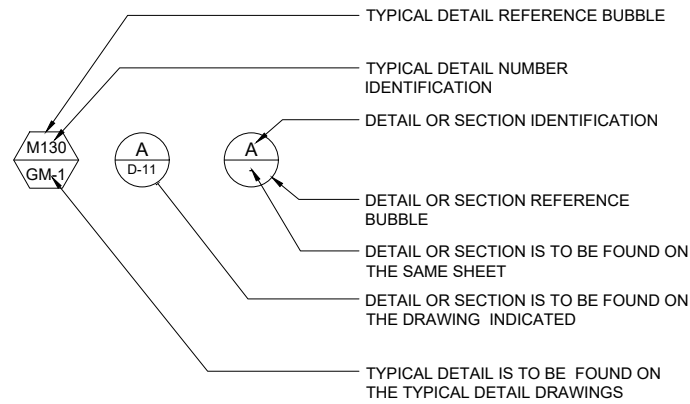
NO.		REVISION		BY	DATE	DESIGN		RECORD DRAWING		THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED IN PART ON INFORMATION PROVIDED BY OTHERS THIS DRAWING WAS PREPARED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREON AND IS NOT TO BE USED ELSEWHERE		ENGINEERING AND ENVIRONMENTAL SOLUTIONS		504 MAIN ST. SUITE 310 LEWISTON, IDAHO 83501 208.780.3990 IDAHO OFFICES BOISE · LEWISTON · McCALL	CEDAR AVE. (2000 BLOCK) SEWER PROJECT (WW-041)(IFB-21-009) LEWISTON, IDAHO		VERIFY SCALE	
1	RECORD DRAWING		RJR	6/2/2021	DRAWN			BAR IS ONE INCH ON FULL SIZE DRAWING 0 1"				PROJECT : 181.0030.00						
					OTW			DATE : 6/2021				DRAWING NO.						
					CHECKED													
					APPROVED													
										GENERAL NOTES		G-2						

LINE LEGEND

SECTION LINE (SURVEYED)	
EXISTING DEED OR LOT LINE (SURVEYED)	
CENTERLINE	
RIGHT OF WAY	
EASEMENT	
SILT FENCE	
EXISTING BUILDING	
EXISTING EDGE OF CONCRETE	
EXISTING EDGE OF PAVEMENT	
EXISTING EDGE OF PAVEMENT	
EXISTING EDGE OF GRAVEL	
PROPOSED EDGE OF GRAVEL	
EXISTING UNDERGROUND GAS LINE	
EXISTING WATER LINE	
EXISTING SEWER LINE	
EXISTING SERVICE (WATER,GAS)	
PROPOSED SEWER LINE	
EXISTING STORM DRAIN	
EXISTING OVERHEAD POWER	
EXISTING UNDERGROUND POWER	
EXISTING UNDERGROUND TELEPHONE	
EXISTING FLOW LINE	
EXISTING PRESSURE IRRIGATION LINE	
EXISTING GRAVITY IRRIGATION LINE	
EXISTING FIBER OPTIC	
EXISTING CHAIN LINK FENCE	
EXISTING WOOD FENCE	
EXISTING VINYL FENCE	
EXISTING WIRE FENCE	
EXISTING 1' CONTOUR	
EXISTING 5' CONTOUR	
EXISTING DRAINAGE PIPE	
EXISTING DRAINAGE PIPE	



AT TITLE

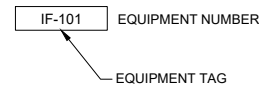


AT CROSS REFERENCE



CROSS SECTION

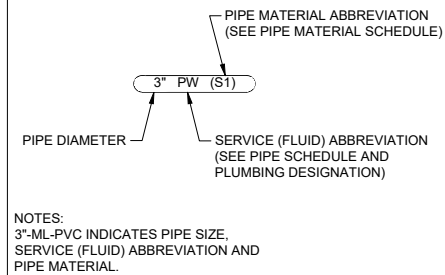
EQUIPMENT DESIGNATION LEGEND



PIPE MATERIAL SCHEDULE

ABBREV.	SERVICE	FITTINGS
B1	BLACK IRON PIPE	BLACK IRON, CLASS 300, ASTM 197, A 197M, NPT
C1	CONCRETE PIPE	NONE
C6	HUBLESS CAST IRON PIPE	CAST IRON, ASTM A 74
C7	HUB AND SPIGOT CAST IRON SOIL PIPE	CAST IRON, ASTM A 74
CU1	COPPER, SOFT TEMPERED, TYPE "K"	COPPER, SOLDERED JOINTS
CU2	COPPER, HARD TEMPERED, TYPE "L"	COPPER, SOLDERED JOINTS
D1	DUCTILE IRON, AWWA C150/151, PC150, CEMENT MOTAR LINED, RESTRAINED	DUCTILE IRON, AWWA C110, CL 150
D2	DUCTILE IRON, AWWA C150/151, PC150, CEMENT MOTAR LINED, UNRESTRAINED	DUCTILE IRON, AWWA C110, CL 150
D3	DUCTILE IRON, AWWA C150/151, PC 350	DUCTILE IRON, AWWA C110, CL 350
D4	DUCTILE IRON, AWWA C150/151, PC150, GLASS LINED	DUCTILE IRON, AWWA C110, CL 150
P1	POLYVINYL CHLORIDE, SCH. 80	PVC SCH 80, SOLVENT WELD SOCKET
P2	POLYVINYL CHLORIDE, SCH. 40	PVC SCH 40, SOLVENT WELD SOCKET
P3	POLYVINYL CHLORIDE, SDR 35, ASTM 3034 (PS46, ASTM F679)	POLYVINYL CHLORIDE, SDR 35 ASTM 3034
P4	POLYVINYL CHLORIDE, AWWA C900, DR25	DUCTILE IRON, AWWA C110, CL150
P5	CHLORINATED POLYVINYL CHLORIDE, SCH. 80	CPVC, SCH. 80, SOLVENT WELD SOCKET
P7	HIGH DENSITY POLYPROPYLENE, MIN. SDR 7.3	HDPE
P8	NALGENE 980 BRAIDED VIYNL TUBING, OR EQUAL	
P9	POLYVINYL CHLORIDE, PIP 100 PSI	PVC PIP100 PSI
P10	HDPE IPS SDR 32.5 ASTM D335 PE 3408	HDPE IPS SDR 32.5 ASTM D3350 P3408
P11	HDPE SINGLE WALL CORRUGATED PERFORATED PLASTIC DRAIN PIPE ASTM-F-667-"C"	NONE
P12	HDPE, AWWA C901, DR9	HDPE
S1	STEEL, SCH. 40 GALVANIZED	THREADED OR FLANGED, GALVANIZED
S2	WELDED STEEL, AWWA C200, MORTAR LINED AND COATED	STEEL, AWWA C208, MORTAR LINED
S3	WELDED STEEL, AWWA C200, MORTAR LINED AND EPOXY COATED	STEEL, AWWA C208, MORTAR LINED
S4	STAINLESS STEEL, TYPE 304L OR 316L, SCH. 5	STAINLESS STEEL
S5	STAINLESS STEEL, TYPE 304L OR 316L, SCH. 10	STAINLESS STEEL
S6	STAINLESS STEEL, TYPE 304L OR 316L, SCH. 40	STAINLESS STEEL
S7	STAINLESS STEEL, ALLOY 20	STAINLESS STEEL, ALLOY 20
S8	STEEL, ASTM A106 OR 53, SCH. 80, SEAMLESS, BLACK	THREADED, SOCKET, BUTT-WELD OR FLANGED W/ AMMONIA UNIONS
S9	STEEL, ASTM 53, SCH. 40, BLACK, NATURAL GAS	MALLEABLE 150 PSI THRD. 2-INCH OR SMALLER, GREATER THAN 2-INCH WELD
S10	STEEL, ASTM 53, SCH. 10	THREADED, SOCKET, BUTT-WELD OR FLANGED W/ AMMONIA UNIONS
S11	CORRUGATED METAL PIPE	NONE

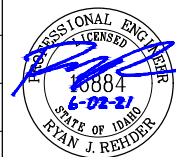
PIPE DESIGNATION LEGEND



PIPE SCHEDULE

ABBREV.	SERVICE	TEST METHOD	TEST PRESSURE (PSI)
AS	AIR SCOUR OR AIR AGITATION	AM	15
CD	CENTRATE DRAIN	GR	5-6.5
CON	CONDUIT	AM	5
DR	DRAIN	AM	5
EFF	EFFLUENT	HH	150
FE	FILTER EFFLUENT	HH	150
HWS	HOT WATER SUPPLY	HH	100
IRR	IRRIGATION WATER	HH	100
ML	MIXED LIQUOR	HH	150
OF	OVERFLOW	LH	20
PA	PLANT AIR	HH	150
PC	PRESSURE CENTRATE	HH	150
PR	PRESSURE REUSE	HH	150
PS	PRESSURE SEWER	HH	150
PW	POTABLE WATER	HH	150
RAS	RETURN ACTIVATED SLUDGE	HH	150
RW	RAW WATER	GR	6.5
SA	SAMPLE	HH	100
SC	SUCTION CENTRATE	HH	150
SD	STORM DRAIN	GR	6.5
SE	SECONDARY EFFLUENT	HH	150
SH	SODIUM HYPOCHLORITE	HH	125
SS	SANITARY SEWER	GR	5-6.5
ST	SODIUM THIOSULFATE	HH	125
UW1	UTILITY WATER TYPE 1 (POTABLE)	HH	150
UW2	UTILITY WATER TYPE 2 (NON-POTABLE)	HH	150
VNT	VENT	AM	15
WAS	WASTE ACTIVATED SLUDGE	HH	150

NO.	REVISION	BY	DATE	DESIGN
1	RECORD DRAWING	RJR	6/2/2021	
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208.780.3990

IDAHO OFFICES
BOISE · LEWISTON · McCALL

CEDAR AVE. (2000 BLOCK)
SEWER PROJECT (WW-041)(IFB-21-009)
LEWISTON, IDAHO

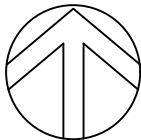
LINE LEGEND / PIPE SCHEDULE

VERIFY SCALE BAR IS ONE INCH ON FULL SIZE DRAWING 0  1"	
PROJECT :	181.0030.00
DATE :	6/2021
DRAWING NO.	
G-3	

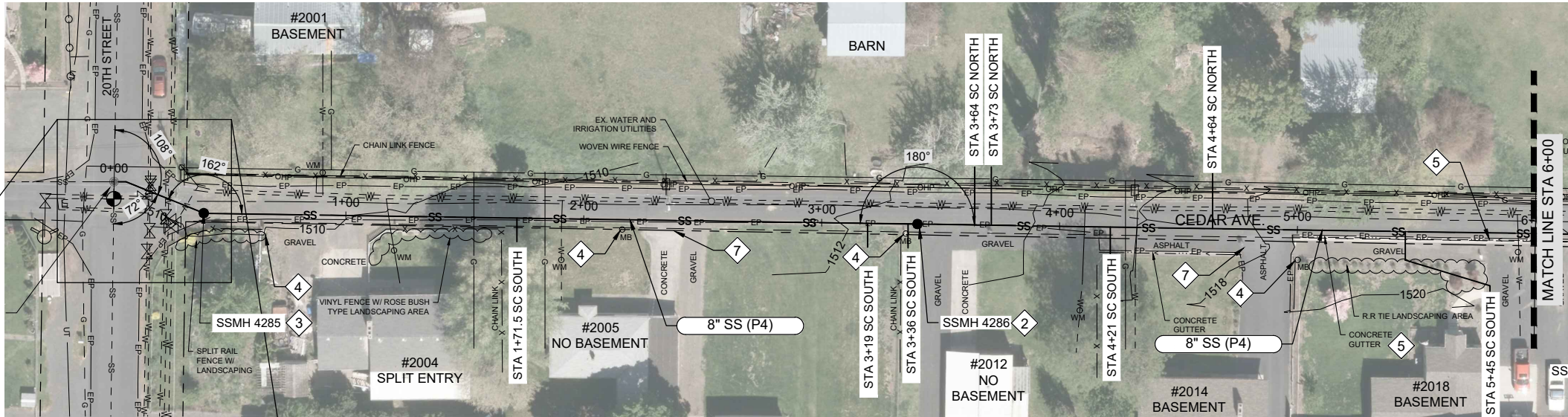
LEGEND AND SYMBOLS

BOLLARD EXISTING MANHOLE NEW MANHOLE OR MB MAILBOX(s) WM COMBINED EXISTING WATER METER & IRRIGATION METER W EXISTING WATER SERVICE WV EXISTING WATER VALVE EXISTING TREE, BUSH WATER SURFACE ELEVATION NEW CLEANOUT EXISTING UTILITY POLE UTILITY POLE ANCHOR EXISTING FIRE HYDRANT EXISTING LIGHT POLE E EXISTING ELECTRICAL BOX G EXISTING GAS METER/RISER P EXISTING POWER METER D EXISTING STORM MANHOLE EXISTING STORM DRAIN CATCH BASIN MW EXISTING MONITORING WELL T EXISTING TELEPHONE RISER X TJB EXISTING TELEPHONE JUNCTION BOX 2545.00 FINISHED ELEVATION (2545.2±) EXISTING ELEVATION BREAK LINE DRAINAGE FLOW OR PIPE FLOW DIRECTION SURVEY MONUMENT BENCH MARK (BM) * REVISION NUMBER BOREHOLE SURVEY CONTROL POINT X KEY NOTE XXX COORDINATE NUMBER CONCRETE (PLAN AND SECTION) EARTH GRAVEL/DRAINROCK/AGGREGATE BASE AC PAVEMENT REVISION CLOUD	TYPE OF JOINT OR COUPLER FLANGED JOINT MECHANICAL JOINT WELDED JOINT PUSH-ON JOINT RESTRAINED PUSH-ON JOINT SCREWED OR GLUED JOINT CONCRETE OR CLAY PIPE JOINT GROOVED COUPLING RESTRAINED FLANGED COUPLING ADAPTER FLEXIBLE COUPLING RESTRAINED FLEXIBLE COUPLING FOR STEEL PIPE RESTRAINED FLEXIBLE COUPLING FOR FLANGED PIPE DISMANTLING JOINT EXPANSION JOINT PIPE SUPPORT (CALL OUT DETAIL) THREE LINE PIPE	SCHMATIC VALVES AIR VACUUM AND AIR RELEASE ASSEMBLY ANGLE BACK-PRESSURE BALL BALL CHECK BUTTERFLY CHECK DIAPHRAGM GATE GLOBE MULTIPORT - 3 WAY NEEDLE PLUG PRESSURE RELIEF SOLENOID PRESSURE REDUCING GATE VALVE, BURIED WITH VALVE BOX BUTTERFLY VALVE, BURIED WITH VALVE BOX ECENTRIC PLUG VALVE, BURIED WITH VALVE BOX PRESSURE TRANSDUCER PRESSURE SWITCH CHECK CHANGE IN PIPE MATERIAL MOTOR OPERATOR FOR VALVES (P = PNEUMATIC) MOTOR OPERATOR FOR VALVES (M = ELECTRIC) PRESSURE GAUGE FLOW TUBE MAGNETIC METER PROPELLER METER FLOW METER ROTAMETER (SIDE) ROTAMETER (TOP/BOTTOM) INJECTOR OR EDUCATOR PIPE SUPPORT (IN PLAN) PULSATION DAMPENR BACK FLOW PREVENTOR FLANGED FITTING MECHANICAL-TYPE FITTING (GROOVED) SCREWED, WELDED, SOCKET-WELD, BELL AND SPIGOT OR HUBLESS FITTING STOP GATE SLIDE GATE SLUICE GATE FIRE HYDRANT HUB DRAIN FLOOR DRAIN FLOOR SINK YARD HYDRANT PIPE END SLEEVE TYPE COUPLING FLANGED ADAPTER MECHANICAL TYPE COUPLING FLEXIBLE COUPLING UNION QUICK DISCONNECT COUPLER CAPPED END OR PLUGGED END BLIND FLANGE REDUCER OR INCREASER STRAINER DRAIN AIRGAP	CENTRIFUGAL OR TURBINE PUMP, OR FAN CHEMICAL FEED PUMP SUMP PUMP MIXER MAGNETIC FLOW METER SAMPLE TAP THREE LINE VALVES GATE BUTTERFLY SILENT GLOBE CHECK CHECK BALL PLUG FLANGED JOINT SOIL PROBE EXPLORATIONS PERFORMED USING A 1.5-INCH DIAMETER SOLID STEM HYDRAULIC-HAMMERED PROBE. 1 GROUND SURFACE 2 APPROX. TOP OF BEDROCK (LINEAR INTERPOLATION BETWEEN PROBE LOCATIONS) 3 SOIL PROBE LOCATION 4 SOIL PROBE NUMBER 5 DEPTH OF WEATHERED BEDROCK 6 DEPTH OF REFUSAL WEATHERED: 6.2 REFUSAL: 6.7
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NO.		REVISION		BY	DATE	DESIGN		RECORD DRAWING THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED IN PART ON INFORMATION PROVIDED BY OTHERS THIS DRAWING WAS PREPARED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREON AND IS NOT TO BE USED ELSEWHERE		ENGINEERING AND ENVIRONMENTAL SOLUTIONS 504 MAIN ST. SUITE 310 LEWISTON, IDAHO 83501 208.780.3990 IDAHO OFFICES BOISE · LEWISTON · McCALL	CEDAR AVE. (2000 BLOCK) SEWER PROJECT (WW-041)(IFB-21-009) LEWISTON, IDAHO LEGEND AND SYMBOLS	VERIFY SCALE
1	RECORD DRAWING		RJR	6/2/2021	DRAWN	BAR IS ONE INCH ON FULL SIZE DRAWING 1"						
					OTW	PROJECT : 181.0030.00						
					CHECKED	DATE : 6/2021						
					APPROVED	DRAWING NO.						
												G-4

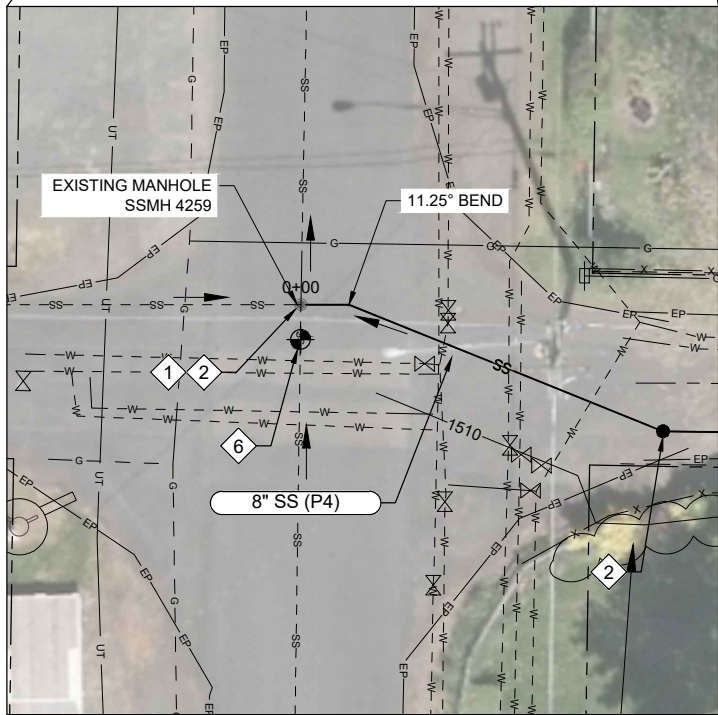


0' 15' 30' 60' 90'
SCALE: 1" = 30'



PLAN STA. 0+00 - 6+00

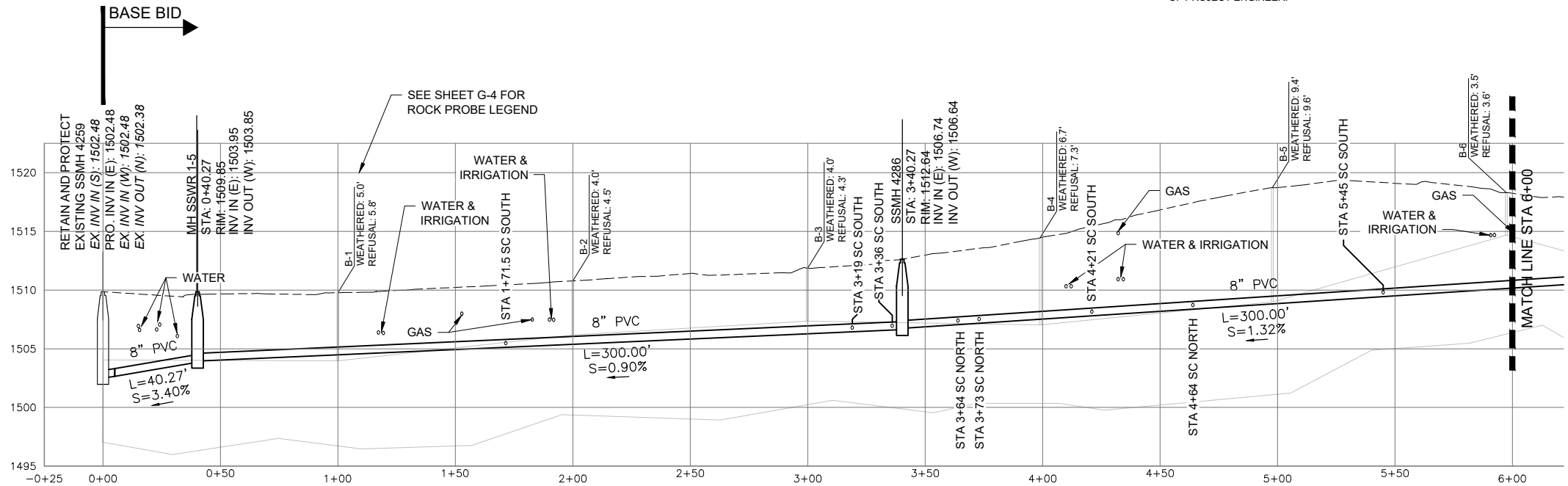
0' 5' 10' 20' 30'
SCALE: 1" = 10'



HORIZ. SCALE: 1" = 30'
VER. SCALE: 1" = 6'
(VERIFY PER SHEET SIZE)

KEY NOTES #

1. REMOVE MANHOLE.
2. NEW MANHOLE PER CITY OF LEWISTON CONSTRUCTION STANDARD DWG. 5-3. CONTRACTOR TO VERIFY EXISTING MANHOLE INVERTS AND PIPE DIAMETERS PRIOR TO ORDERING MATERIAL.
3. FIELD ADJUST MANHOLE AS NECESSARY TO ACCOMMODATE EXISTING WATER UTILITIES AND VALVES.
4. REMOVE AND REPLACE MAILBOX AS NECESSARY TO PERFORM THE WORK. INCLUDE UNDER ISPMC BID REFERENCE 501.4.1.B.1
5. REMOVE AND REPLACE CONCRETE GUTTER. TYPE TO MATCH EXISTING. APPROXIMATE LENGTH 165 FEET.
6. EXISTING MONUMENT TO BE REMOVED AND REPLACED TO MATCH EXISTING CONDITION, INCLUDING CONCRETE COLLAR IN ACCORDANCE WITH LEWISTON CONSTRUCTION STANDARD DRAWING 1-3. CONTRACTOR TO SECURE THE SERVICES OF A LICENSED PUBLIC LAND SURVEYOR TO RECORD THE LOCATION OF THE MONUMENT AFTER REPLACEMENT.
7. EXTEND NEW AC PAVEMENT TO MEET EXISTING CONCRETE OR AC ON PRIVATE PROPERTY AT DIRECTION OF PROJECT ENGINEER.



PROFILE STA. 0+00 - 6+00

NO.	REVISION	BY	DATE	DESIGN
1	RECORD DRAWING	RJR	6/2/2021	LCH
				DRAWN
				OTW
				CHECKED
				LMD
				APPROVED



RECORD DRAWING

THESE RECORD DRAWINGS HAVE BEEN PREPARED BASED IN PART ON INFORMATION PROVIDED BY OTHERS

THIS DRAWING WAS PREPARED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREON AND IS NOT TO BE USED ELSEWHERE



ENGINEERING AND ENVIRONMENTAL SOLUTIONS

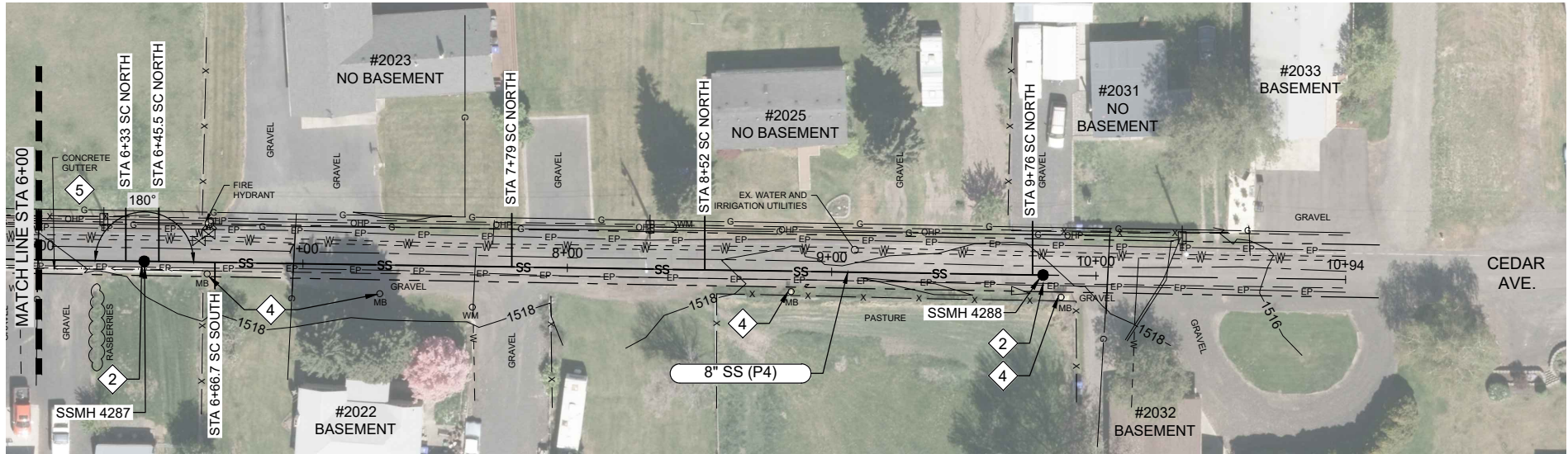
504 MAIN ST. SUITE 310
LEWISTON, IDAHO 83501
208.780.3990

IDAHO OFFICES
BOISE · LEWISTON · MCALL

CEDAR AVE. (2000 BLOCK)
SEWER PROJECT (WW-041)(IFB-21-009)
LEWISTON, IDAHO

PLAN & PROFILE STA 0+00 - 6+00

VERIFY SCALE	
BAR IS ONE INCH ON FULL SIZE DRAWING	
PROJECT :	181.0030.00
DATE :	6/2/2021
DRAWING NO.	C-1



HORIZ. SCALE: 1" = 30'
VER. SCALE: 1" = 6'
(VERIFY PER SHEET SIZE)

NO.	REVISION	BY	DATE	DESIGN
1	RECORD DRAWING	RJR	6/2/2021	LCH
				DRAWN
				OTW
				CHECKED
				APPROVED



THESE RECORD DRAWINGS HAVE BEEN
PREPARED BASED IN PART ON
INFORMATION PROVIDED BY OTHERS

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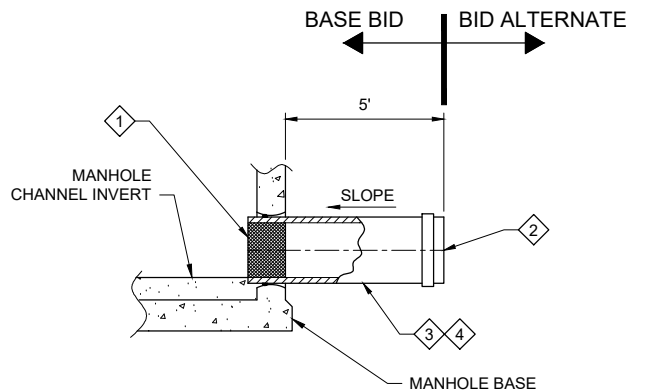
IDAHO OFFICES
BOISE · LEWISTON · McCALL

PLAN & PROFILE & DETAIL STA 6+00 - 10+94

VERIFY SCALE	
BAR IS ONE INCH ON FULL SIZE DRAWING 0  1"	
PROJECT :	181.0030.00
DATE :	6/2021
DRAWING NO.	
C-2	

1. GRAVITY SEWER PIPE MATERIAL TYPE SHALL BE MINIMUM AWWA C-900 165 psi (DR25) PIPE DIAMETER TO BE 8-INCHES UNLESS OTHERWISE SHOWN.
2. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS, LOCATIONS, AND ELEVATIONS BEFORE STARTING WORK AND PRIOR TO ORDERING MATERIAL.
3. CONTRACTOR TO COMPLY WITH IDAPA 58.01.08.542.07 WHEN WATER MAINS AND POTABLE WATER SERVICE LINES ARE ENCOUNTERED DURING SEWER MAIN AND SERVICE TRENCHING ACTIVITIES.
4. PROPERTY LINES SHOWN ON PLAN SHEETS ARE FOR INFORMATIONAL PURPOSES ONLY AND WERE COMPILED FROM VARIOUS SOURCES. IT IS NOT THE INTENT OF THESE DRAWINGS TO BE USED FOR LOCATION OF PROPERTY LINES. MOUNTAIN WATERWORKS ASSUMES NO LIABILITY FOR PROPERTY LINES WHICH MAY NOT BE ACCURATELY SHOWN.
5. ALL MANHOLES ARE TO BE CONSTRUCTED IN ACCORDANCE WITH CITY OF LEWISTON CONSTRUCTION STANDARD DRAWING 5-3.
6. ALL SERVICE CONNECTIONS TO THE MAIN SHALL BE MADE USING AN APPROVED FACTORY WYE FITTING OR ROMAC CB SADDLE.
7. GEOTECHNICAL BORINGS SHOWN IN APPROXIMATE LOCATIONS FOR INFORMATIONAL PURPOSES.
8. WATER MAIN UTILITY CROSSINGS (APPROXIMATE DEPTHS). COORDINATE WITH LOID AND ENGINEER IF CONFLICTS ARE ANTICIPATED BETWEEN WATER LINES AND THE PROPOSED SEWER LINE.
9. NATURAL GAS, UNDERGROUND TELEPHONE, AND UNDERGROUND POWER CROSSINGS. CONTACT AVISTA UTILITIES PRIOR TO EXPOSING NATURAL GAS MAIN OR UNDERGROUND POWER.
10. CEDAR AVENUE SURFACE REPAIR PER CITY OF LEWISTON CONSTRUCTION STANDARD DRAWING 3-2. INSTALL TO MATCH EXISTING CENTERLINE PROFILE. ASPHALT SURFACE TO BE 16 FEET WIDE. NO CURB, GUTTER, OR SIDEWALK IS REQUIRED EXCEPT AS NOTED IN KEY NOTE 5.
11. OVERHEAD POWER SERVICES EXTEND SOUTH ACROSS CEDAR AVENUE. CONTRACTOR TO NOTIFY AVISTA AND EXERCISE CAUTION TO RETAIN AND PROTECT OVERHEAD POWER SERVICES.
12. SURVEY MONUMENT AT THE INTERSECTION OF 20TH STREET AND BURRELL AVENUE: NUMBER 2,308.00. ELEVATION 1,490.19, LATITUDE N046°22'36.71", LONGITUDE W106°55'41.71".
13. WATER SERVICES SHOWN IN PLAN VIEW REPRESENT APPROXIMATE LOCATION OF BOTH IRRIGATION AND DOMESTIC WATER SERVICE.

1. REMOVE MANHOLE.
2. NEW MANHOLE PER CITY OF LEWISTON CONSTRUCTION STANDARD DWG. 5-3.
CONTRACTOR TO VERIFY EXISTING MANHOLE INVERTS AND PIPE DIAMETERS PRIOR TO ORDERING MATERIAL.
3. FIELD ADJUST MANHOLE AS NECESSARY TO ACCOMMODATE EXISTING WATER UTILITIES AND VALVES.
4. REMOVE AND REPLACE MAILBOX AS NECESSARY TO PERFORM THE WORK. INCLUDE UNDER IPSWC BID REFERENCE 501.4.1.B.1
5. REMOVE AND REPLACE CONCRETE GUTTER. TYPE TO MATCH EXISTING. APPROXIMATE LENGTH 165 FEET.
6. EXISTING MONUMENT TO BE REMOVED AND REPLACED TO MATCH EXISTING CONDITION, INCLUDING CONCRETE COLLAR IN ACCORDANCE WITH LEWISTON CONSTRUCTION STANDARD DRAWING 1-3.
CONTRACTOR TO SECURE THE SERVICES OF A LICENSED PUBLIC LAND SURVEYOR TO RECORD THE LOCATION OF THE MONUMENT AFTER REPLACEMENT.
7. EXTEND NEW AC PAVEMENT TO MEET EXISTING CONCRETE OR AC ON PRIVATE PROPERTY AT DIRECTION OF PROJECT ENGINEER.



1. INSTALL A RUBBER RING OR GASKET COLLAR WHERE THE PIPE IS IN CONTACT WITH MANHOLE BASE AND/OR MANHOLE CHANNEL TO PROVIDE A WATERTIGHT SEAL. USE KOR-N-SEAL OR EQUAL.
2. INSTALL FACTORY GASKETED AWWA C900 END CAP TO PROVIDE A WATERTIGHT SEAL. MUST PASS THE TESTING PROCEDURES.
3. STUB-OUT PIPING TO BE 8-INCH AWWA C-900 DR 25.
4. INSTALL STUB-OUT PIPING AT MINIMUM 0.4% SLOPE TO MANHOLE.



MANHOLE STUB-OUT FOR FUTURE CONNECTION
NOT TO SCALE