CITY OF McCALL

VALLEY COUNTY, IDAHO

APPROVED FOR CONSTRUCTION
City of McCall

7/8/22 — Nathan Stewart 2022.07.08 10:41:30-06'00'

Date: By:

PARK STREET AND THOMPSON AVENUE RECONSTRUCTION - PHASE 2
SPRING/SUMMER 2022

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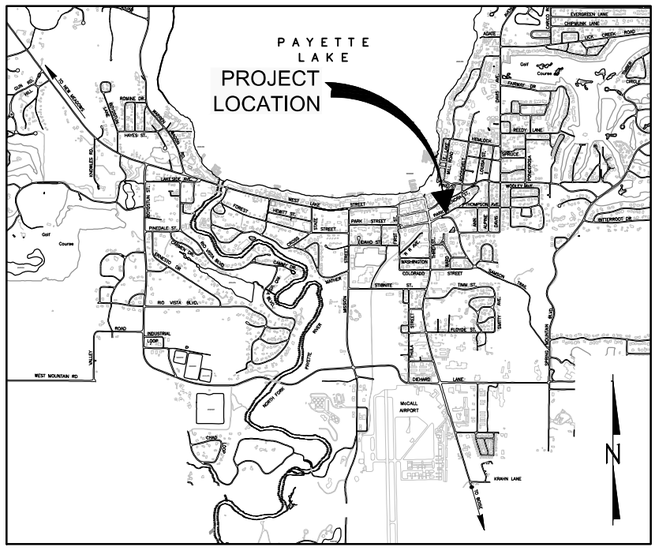

LOCATION MAP
SCALE 1" = 2000'

VICINITY MAP
SCALE 1" = 200'

NO.	REVISION	BY	DATE
1.	BID PLAN SET	BEJ	3/24/2022
2.	ISSUE FOR CONSTRUCTION	BEJ	7/8/2022

DESIGN BEJ/GTT
DRAWN BEJ/GTT
CHECKED GTT
APPROVED GTT

PROFESSIONAL ENGINEER REGISTERED 12779 STATE OF IDAHO GREGG TANKERSLEY 7/8/22

CRESTLINE ENGINEERS
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City of McCall

CITY OF McCALL
VALLEY COUNTY, IDAHO
PARK STREET AND THOMPSON AVENUE RECONSTRUCTION - PHASE 2
COVER SHEET

VERIFY SCALE
BAR IS ONE INCH ON FULL SIZE DRAWING
0 1"

PROJECT	19038-004
DATE	7/8/2022
DRAWING NO.	G-1
SHEET NO.	1 OF 17

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GENERAL NOTES:

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE 2017 OR MOST CURRENT ADDITION OF THE IDAHO STANDARDS FOR PUBLIC WORKS CONSTRUCTION (ISPWC) STANDARD SPECIFICATIONS AND DRAWINGS, PAYETTE LAKES RECREATIONAL WATER AND SEWER DISTRICT (PLRWSD) STANDARD REVISIONS TO THE ISPWC AND SUPPLEMENTAL SPECIFICATIONS, CITY OF McCALL STANDARDS, AND THE REQUIREMENTS OF ANY OTHER LOCAL, STATE AND FEDERAL AUTHORITIES HAVING JURISDICTION.
2. ALL CONTRACTORS, SUBCONTRACTORS AND/OR UTILITY CONTRACTORS SHALL ATTEND A PRE-CONSTRUCTION CONFERENCE A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO START OF WORK.
3. THE CONTRACTOR SHALL MAINTAIN ALL EXISTING DRAINAGE FACILITIES WITHIN THE CONSTRUCTION AREA UNTIL THE DRAINAGE IMPROVEMENTS ARE IN PLACE AND FUNCTIONING.
4. ALL CONTRACTORS WORKING WITHIN THE PROJECT BOUNDARIES ARE RESPONSIBLE FOR COMPLIANCE WITH ALL APPLICABLE SAFETY LAWS OF ANY JURISDICTIONAL BODY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL BARRICADES, SAFETY DEVICES AND CONTROL OF TRAFFIC WITHIN AND AROUND THE CONSTRUCTION AREA.
5. ALL MATERIAL FURNISHED ON OR FOR THE PROJECT MUST MEET THE MINIMUM REQUIREMENTS OF THE APPROVING AGENCIES OR AS SET FORTH HEREIN, WHICHEVER IS MORE RESTRICTIVE. CONTRACTORS MUST FURNISH PROOF THAT ALL MATERIALS INSTALLED ON THIS PROJECT MEET THE SPECIFIED REQUIREMENTS AT THE REQUEST OF THE APPROVING AGENCY AND/OR THE DESIGN ENGINEER.
6. THE LOCATIONS OF UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR ASSUMES ALL RESPONSIBILITY FOR ANY AND ALL DAMAGES CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. THE CONTRACTOR SHALL NOTIFY DIGLINE (811) AT LEAST FORTY-EIGHT (48) HOURS IN ADVANCE OF CONSTRUCTION OPERATIONS.
7. WORK SUBJECT TO APPROVAL BY ANY POLITICAL SUBDIVISION OR AGENCY MUST BE APPROVED PRIOR TO (A) BACKFILLING TRENCHES FOR PIPE; (B) PLACING OF AGGREGATE BASE; (C) PLACING OF CONCRETE; (D) PLACING OF ASPHALT PAVING. WORK DONE WITHOUT SUCH APPROVAL DOES NOT RELIEVE THE CONTRACTOR FROM THE RESPONSIBILITY OF PERFORMING THE WORK IN AN ACCEPTABLE MANNER.
8. ALL CONTRACTORS WORKING WITHIN THE PUBLIC RIGHT-OF-WAY ARE REQUIRED TO SECURE A RIGHT-OF-WAY CONSTRUCTION PERMIT FROM THE JURISDICTIONAL AUTHORITY AT LEAST FORTY-EIGHT (48) HOURS PRIOR TO ANY CONSTRUCTION.
9. ONLY PLAN SETS STAMPED "APPROVED FOR CONSTRUCTION" AND SIGNED BY THE CITY OF McCALL OR THEIR AUTHORIZED REPRESENTATIVES AS WELL AS THE IDAHO DEPARTMENT OF ENVIRONMENTAL QUALITY (IDEQ), WHERE APPROPRIATE SHALL BE USED BY THE PROJECT CONTRACTOR(S). USE OF PLANS ON THE JOB WITHOUT THE "APPROVED FOR CONSTRUCTION" STAMP SHALL BE GROUNDS FOR THE ISSUANCE OF A STOP WORK ORDER.
10. THE CONTRACTOR SHALL KEEP ONSITE AT ALL TIMES A COPY OF THE APPROVED CONSTRUCTION PLANS ON WHICH IS RECORDED THE ACTUAL LOCATIONS OF THE CONSTRUCTED IMPROVEMENTS AND ANY OTHER EXISTING UTILITIES ENCOUNTERED. THE CONTRACTOR SHALL PROVIDE THESE LOCATIONS TO THE DESIGN ENGINEER FOR USE IN THE PRODUCTION OF RECORD DRAWINGS PRIOR TO FINAL ACCEPTANCE OF THE PROJECT.
11. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ANY NECESSARY NPDES PERMITS, FILING ANY NOI'S, AND PREPARING A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) IN ACCORDANCE WITH THE CURRENT ENVIRONMENTAL PROTECTION AGENCY CONSTRUCTION GENERAL PERMIT (CGP). CONTACT THE EPA AT 208-334-9489 FOR THE REQUIRED INFORMATION. SAID PERMIT SHALL BE PRESENTED TO THE ENGINEER AT LEAST FORTY-EIGHT (48) HOURS PRIOR TO THE BEGINNING OF CONSTRUCTION. THE NOI MUST BE FILED A MINIMUM OF FOURTEEN (14) DAYS IN ADVANCE OF ANY CONSTRUCTION OPERATIONS ONSITE, PER THE WAITING PERIOD REQUIREMENTS OF THE CGP.
12. EXISTING SITE INFORMATION INCLUDING THE LOCATION OF EXISTING SITE CONDITIONS AND SURFACE TOPOGRAPHY AS SHOWN ON THESE PLANS HAS BEEN PROVIDED BY SECESH ENGINEERING, INC. THE EXISTING SITE INFORMATION IS PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR'S CONSTRUCTION SURVEY PRIOR TO THE START OF ANY PROJECT CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL CONSTRUCTION STAKING.
13. 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.
14. THE CONTRACTOR SHALL SUBMIT A PROJECT SCHEDULE AND SEQUENCING PLAN TO THE OWNER AND THE PROJECT ENGINEER FOR REVIEW AND APPROVAL PRIOR TO STARTING CONSTRUCTION.
15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL ASSOCIATED WITH THE PROJECT AND SHALL DEVELOP/SUBMIT A PLAN TO THE PROJECT ENGINEER FOR APPROVAL PRIOR TO STARTING CONSTRUCTION. PLAN TO BE IN ACCORDANCE WITH MUTCD AND PROVIDED AT NO ADDITIONAL COST TO THE OWNER.
16. THE CONTRACTOR SHALL MAINTAIN TRAFFIC ACCESS AT THE END OF EACH DAY AND PROVIDE DETOURS OR ONE-WAY TRAFFIC DURING CONSTRUCTION. WHEN CONSTRUCTION TECHNIQUES ALLOW, CONTRACTOR SHALL PROVIDE ACCESS THROUGH THE CONSTRUCTION ZONE TO PRIVATE PROPERTIES.
17. CONTRACTOR SHALL SECURE A SHORT TERM ACTIVITY EXEMPTION FROM THE IDAHO DEPARTMENT OF ENVIRONMENTAL QUALITY (IDEQ) PRIOR TO THE START OF CONSTRUCTION. IF TRENCH DEWATERING IS REQUIRED, CONTRACTOR SHALL SUBMIT A DEWATERING PLAN TO THE THE PROJECT ENGINEER PRIOR TO COMMENCEMENT OF DEWATERING OPERATIONS.
18. THE CONTRACTOR SHALL PROTECT ALL EXISTING MONUMENTS, SURVEY MARKERS, STREET SIGNS, UTILITIES, IRRIGATION LINES, PAVEMENT, TREES, FENCES, AND ANY OTHER IMPORTANT OBJECTS ON/OR ADJACENT TO THE JOB SITE FROM DAMAGE AND REPAIR OR REPLACE DAMAGED FACILITIES AS REQUIRED BY THE OWNER AND THE PROJECT ENGINEER.
19. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS BEFORE STARTING WORK AND SHALL IMMEDIATELY NOTIFY THE PROJECT ENGINEER OF ANY DISCREPANCIES.
20. UNLESS DETAILED, SPECIFIED, OR OTHERWISE INDICATED ON THE PLAN SET, CONSTRUCTION SHALL BE AS INDICATED ON THE APPLICABLE TYPICAL DETAILS AND GENERAL NOTES. TYPICAL DETAILS SHALL APPLY EVEN THOUGH NOT REFERENCED AT SPECIFIC LOCATIONS ON DRAWINGS.
21. WHERE NO CONSTRUCTION DETAILS ARE SHOWN OR NOTED FOR ANY PART OF WORK, DETAILS SHALL BE THE SAME AS FOR OTHER SIMILAR WORK OR IN ACCORDANCE WITH THE ISPWC.
22. CONTRACTOR TO PROVIDE SUBMITTALS FOR ALL PRODUCTS NECESSARY FOR COMPLETING PROJECT PRIOR TO THE START OF CONSTRUCTION.
23. ANY CHANGES TO THE DESIGN AS SHOWN IN THESE CONSTRUCTION DRAWINGS MUST BE REVIEWED AND APPROVED BY THE PROJECT ENGINEER BEFORE CHANGES ARE MADE. THIS INCLUDES CHANGES REQUESTED BY THE OWNER AND SUBCONTRACTORS.
24. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL WORK CONSTRUCTED BY THEIR WORK CREWS UNTIL THE WORK IS ACCEPTED BY THE OWNER FOR CONTINUOUS OPERATION AND MAINTENANCE.
25. THE CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH ALL APPLICABLE SAFETY LAWS OF ANY JURISDICTIONAL BODY INCLUDING, BUT NOT LIMITED TO, SAFE WORKING PRACTICES WITHIN AND AROUND THE CONSTRUCTION AREA. IN ADDITION, JURISDICTIONAL AGENCIES, THE OWNER, AND THE PROJECT ENGINEER SHALL NOT BE RESPONSIBLE FOR ENFORCING SAFETY REGULATIONS.
26. THE CONTRACTOR IS TO OBTAIN ALL APPLICABLE PERMITS NOT PROVIDED BY THE OWNER OR PROJECT ENGINEER. COPIES OF THESE PERMITS SHALL BE PROVIDED TO THE OWNER AND PROJECT ENGINEER.
27. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND DISPOSAL OF ANY EXCESS ONSITE MATERIALS AS NECESSARY TO COMPLETE THE PROJECT. ALL SUITABLE MATERIALS (ASPHALT/MILLINGS AND APPROVED REUSABLE ROAD BASE) SHALL BE TAKEN TO THE CITY OF McCALL RIVERFRONT PARK OFF OF MISSION STREET. REVIEW OF THE REUSABLE ROAD BASE AND PLACEMENT OF ALL MATERIAL AT THE PARK TO BE COORDINATED WITH THE STREETS SUPERINTENDENT.
28. IF ANY ITEMS OF SUSPECTED HISTORICAL OR ARCHAEOLOGICAL VALUE ARE UNCOVERED DURING CONSTRUCTION, THE CONTRACTOR WILL BE REQUIRED TO STOP WORK AND CONTACT THE OWNER, PROJECT ENGINEER, AND THE STATE HISTORICAL PRESERVATION OFFICE.
29. CONTRACTOR SHALL CONFORM TO OSHA AND OTHER LOCAL, STATE, AND FEDERAL REQUIREMENTS WHEN REMOVING ASBESTOS CEMENT (AC) PIPE AND MATERIALS.
30. IF DURING CONSTRUCTION OF THE PROJECT, AN UNDERGROUND STORAGE TANK, BURIED DRUM, OTHER CONTAINER, CONTAMINATED SOIL, OR DEBRIS NOT SCHEDULED FOR REMOVAL UNDER THE CONTRACT IS DISCOVERED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER AND THE PROJECT ENGINEER. NO ATTEMPT SHALL BE MADE TO EXCAVATE, OPEN, OR REMOVE SUCH MATERIAL WITHOUT WRITTEN APPROVAL.
31. CONTRACTOR SHALL ADHERE TO ALL REQUIREMENTS AS IDENTIFIED WITHIN THE PROJECT SWPPP, ASSOCIATED INSPECTIONS AND DOCUMENTATION PROVIDED BY THE OWNER AND/OR REPRESENTATIVE. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING APPLICABLE EROSION AND SEDIMENT CONTROL MEASURES/BEST MANAGEMENT PRACTICES (BMP'S) FOR THE DURATION OF THE PROJECT AND UNTIL "FINAL STABILIZATION" CRITERIA HAS BEEN NET AS IDENTIFIED IN THE EPA CGP.

WATER CONSTRUCTION NOTES:

1. ALL WATER MAINS SHALL BE BELL AND SPIGOT, POLYVINYL CHLORIDE (PVC), DR 18, AWWA C900 OR C905 WITH GASKETS MEETING ASTM F477 AND JOINTS IN COMPLIANCE WITH ASTM D-3139. ALL GATE VALVES SHALL BE RESILIENT SEAT GATE VALVES MEETING AWWA C515 OR C509 SPECIFICATIONS. ALL FITTINGS SHALL BE DUCTILE IRON, ANSI/NSF APPROVED.
2. ALL GATE VALVES TO BE INSTALLED IN ACCORDANCE WITH ISPWC SECTION 402, STANDARD DRAWING SD-403 (VALVE ANCHOR DETAIL), STANDARD DRAWING SD-406 (VALVE BOX AND LID DETAIL) AND C412/GC-1. FIRE VALVES BOX LIDS TO BE STAMPED "FIRE".
3. FIRE HYDRANTS SHALL BE PACER 100 WITH A THIRTY-FOUR (34") INCH TRAFFIC SECTION, MANUFACTURED BY WATEROUS COMPANY AND INSTALLED WITH HOSE ATTACHMENTS FOUR (4') FEET ABOVE FINISHED GROUND. REFER TO ISPWC SD-404 AND CIVIL TYPICAL DETAIL C408/GC-1 FOR TYPICAL INSTALLATION DETAILS. FINAL HYDRANT LOCATIONS SHALL BE FIELD APPROVED BY THE CITY OF McCALL AND McCALL FIRE & EMS PRIOR TO INSTALLATION.
4. THRUST BLOCKS SHALL BE INSTALLED AT ALL FITTINGS IN ACCORDANCE WITH ISPWC SD-403 AND VISUALLY INSPECTED BY THE PROJECT ENGINEER PRIOR TO BACKFILL.
5. ALL WATER SERVICE PIPE SHALL BE CLASS 200, SIDR 7 POLYETHYLENE PRESSURE PIPE CONFORMING TO AWWA C901.
6. WATER MAINS AND SERVICE LINES SHALL BE INSTALLED WITH A MINIMUM COVER OF SIX (6') FEET AND SHALL HAVE TYPE III BEDDING. REFER TO ISPWC SD-301 AND CIVIL TYPICAL DETAIL C302/GC-1 FOR TYPICAL TRENCH DETAILS.
7. THE CONTRACTOR SHALL INSTALL NO. 12 COPPER LOCATOR WIRE IN THE TRENCH WITH ALL WATER MAIN AND SERVICE LINES. LOCATOR WIRE SHALL BE TAPED TO THE TOP CENTER OF THE PIPE AND BROUGHT UP TO THE TOP OF ALL VALVE BOXES, FIRE HYDRANTS AND SERVICES. BLUE TAPE MARKED "WATER" SHALL BE INSTALLED APPROXIMATELY TWO (2') FEET ABOVE ALL WATER MAIN LINES.
8. ALL WATER MAINS AND SERVICE LINES SHALL BE TESTED AND DISINFECTED IN ACCORDANCE WITH ISPWC SECTION 401 PRIOR TO PROJECT ACCEPTANCE.
9. ALL WATER MAINS AND SERVICE LINES SHALL BE VISUALLY INSPECTED BY THE PROJECT ENGINEER AND THE CITY OF McCALL UNDER WORKING SYSTEM PRESSURE PRIOR TO BACKFILLING IF HYDROSTATIC TESTING IS NOT POSSIBLE WHEN CONNECTING TO EXISTING WATER MAIN LINES IN SERVICE.
10. ALL WATER PIPE AND FITTINGS THAT ARE UNABLE TO BE TESTED AND DISINFECTED SHALL BE WASHED/SANITIZED USING A CHLORINE/LIQUID BLEACH SOLUTION UNDER THE PRESENCE OF THE PROJECT ENGINEER PRIOR TO INSTALLATION. LINES ARE TO BE FLUSHED UNDER THE SUPERVISION OF CITY OF McCALL AFTER THE COMPLETION OF PROJECT CONSTRUCTION/PRIOR TO BEING RETURNED TO SERVICE.
11. ALL NEW TRACE WIRE INSTALLATIONS SHALL BE LOCATED USING TYPICAL LOW FREQUENCY (512HZ) LINE TRACING EQUIPMENT, WITNESSED BY THE CONTRACTOR, ENGINEER AND THE CITY OF McCALL WHEN APPLICABLE, PRIOR TO FINAL ACCEPTANCE. THIS VERIFICATION SHALL BE PERFORMED UPON COMPLETION OF ROUGH GRADING AND AGAIN PRIOR TO FINAL ACCEPTANCE OF THE PROJECT. CONTINUITY TESTING IN LIEU OF ACTUAL LINE TRACING SHALL NOT BE ACCEPTED.
12. DISPOSAL OF SUPER-CHLORINATED DISINFECTION WATER TO BE IN ACCORDANCE WITH THE IDAHO DEPARTMENT OF ENVIRONMENTAL QUALITY'S (IDEQ), DRINKING WATER PROGRAMS GUIDANCE FOR PUBLIC WATER SYSTEM DISPOSAL OF WATER FROM CONSTRUCTION, MAINTENANCE, AND OPERATIONS (APRIL, 2014). CONTRACTOR SHALL SUBMIT A FLUSHING PLAN IN ACCORDANCE WITH THE GUIDANCE TO THE PROJECT ENGINEER PRIOR TO THE START OF ANY FLUSHING TO ENSURE COMPLIANCE WITH PROPER DISPOSAL REQUIREMENTS.

TREE PROTECTION NOTES:

1. CONTRACTOR TO TAKE EXTRA PRECAUTION WHEN WORKING NEAR TREES WITHIN THE PROJECT AREA.
2. INSTALL CONSTRUCTION FENCING AROUND THE DRIP LINES OF ALL SIGNIFICANT (12" OR LARGER TRUNK DIAMETER) TREES TO PREVENT VEHICLE/CONSTRUCTION EQUIPMENT TRAFFIC AND COMPACT SOIL ABOVE TREES ROOT SYSTEM.
3. WHEN DIGGING IN CLOSE PROXIMITY/UNDER DRIPLINES OF TREES, CONTRACTOR TO POT HOLE/HAND DIG AROUND TREE ROOTS TO PREVENT PULLING IMPACTS AND/OR TENSION ON THE ROOT SYSTEM.
4. IF IMPACTS ARE UNAVOIDABLE, CONTRACTOR TO COORDINATE IMPACTS WITH THE CITY OF ARBORIST PROJECT ENGINEER TO TRY AND MINIMIZE IMPACTS TO THE GREATEST EXTENT POSSIBLE.
5. IN THE EVENT THAT THERE IS A CONFLICT WITH TREE ROOTS, CONTRACTOR TO GENTLY EXPOSE AND CUT THE ROOT CLEANLY WITH A SAW TO HELP MITIGATE IMPACTS. DO NOT TREAT THE ENDS OF CUT ROOTS.
6. ONCE TREE ROOTS ARE CUT AND/OR IMPACTED, THERE IS NO GUARANTEE OF THEIR SURVIVAL.
7. ANY ROOT IMPACTS SHOULD BE APPROVED BY THE CITY ARBORIST AND KEPT TO ONE SIDE OF THE TREE WHERE AT ALL POSSIBLE.

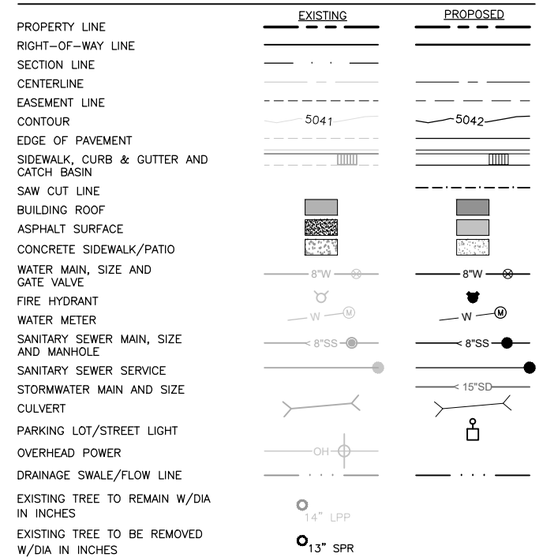
CONCRETE CONSTRUCTION NOTES:

1. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING GROUND ELEVATIONS AND GRADES ONSITE AND WITHIN THE PUBLIC ROAD/STREET RIGHT-OF-WAY WITH THE PROJECT ENGINEER PRIOR TO THE START OF ANY PROJECT CONSTRUCTION.
2. ALL CONCRETE CURBS SHALL BE ROLLED CURB AND GUTTER TYPE II, CONSTRUCTED IN ACCORDANCE WITH ISPWC SD-704 AND CIVIL TYPICAL DETAIL C712/GC-2. CONCRETE MIX DESIGN TO BE CLASS 4000A WITH 3/4" AGGREGATE IN ACCORDANCE WITH ISPWC SECTION 703, CAST-IN-PLACE CONCRETE, TABLE 1 AND THE PROJECT MANUAL.
3. ALL OTHER CONCRETE (I.E. SIDEWALK, APPROACHES AND RAMPS) TO BE CLASS 4000B WITH 3/4" AGGREGATE IN ACCORDANCE WITH ISPWC SECTION 703, CAST-IN-PLACE CONCRETE, TABLE 1 AND THE PROJECT MANUAL.
4. CONCRETE SUPPLIER/SOURCE AND MIX DESIGN SHALL BE APPROVED BY PROJECT ENGINEER PRIOR TO PLACEMENT.
5. ALL SITE CONCRETE WORK SHALL CONTAIN FIBERMESH 300 FIBER REINFORCEMENT IN ACCORDANCE WITH THE PROJECT MANUAL AND CITY OF McCALL STANDARDS.
6. ALL CONCRETE FLATWORK SHALL NOT BE TROWELED, USE SCREED, FLOAT AND BROOM. CONTRACTOR SHALL BE CAREFUL TO NOT OVERWORK CONCRETE DURING PLACEMENT.
7. ALL SIDEWALKS SHALL BE FOUR (4") INCHES THICK WITH A MINIMUM OF FOUR (4") INCHES OF COMPACTED 3/4" MINUS AGGREGATE BASE. REFER TO TYPICAL DETAIL C724/GC-2 FOR DETAILS.
8. SIDEWALK CONSTRUCTION JOINTS SHALL BE LOCATED/SPACED IN ACCORDANCE WITH THE PROJECTS CIVIL TYPICAL DETAILS. IF DETAILS ARE NOT PROVIDED, CONSTRUCTION JOINTS SHALL BE PLACED AT A MAXIMUM OF FIVE (5') SPACING. JOINTS TO BE APPROXIMATELY 1/8" WIDE, 3/4" IN DEPTH AND FINISHED/EDGED SMOOTH.
9. CONCRETE DRIVEWAY APPROACHES SHALL BE CONCRETE DRIVEWAY WITH RAMPED SIDEWALK PER ISPWC STANDARD DRAWING SD-710B. CONCRETE SHALL BE CLASS 4000B WITH A MINIMUM CONCRETE THICKNESS OF SIX (6") INCHES OVER A MINIMUM COMPACTED AGGREGATE BASE OF FOUR (4") INCHES.
10. PEDESTRIAN RAMPS SHALL BE TYPE "C3" FOR NEW DEVELOPMENT PER ISPWC STANDARD DRAWING SD-712C. ALL RAMPS SHALL HAVE A 24" DEEP STRIP OF DETECTABLE WARNING SURFACE ACROSS THE FULL WIDTH OF THE BOTTOM PART OF THE RAMP.
11. DETECTABLE WARNING SURFACE SYSTEM SHALL BE "ADVANTAGE TACTILE SYSTEMS, CAST IRON PLATES" OR APPROVED EQUIVALENT CAST IRON. DETECTABLE WARNING SURFACE SHALL BE CONSTRUCTED WITH RADIUSES TO MATCH THE ADJACENT BACK OF CURB WERE INDICATED.
12. CONTRACTOR SHALL SEAL ALL CONCRETE WITH CURING AND PROTECTIVE SEALERS AS OUTLINED WITHIN THE SPECIAL PROVISIONS OF THE PROJECT MANUAL WITHIN. CURING SEALER SHALL BE USED UPON COMPLETION OF CONCRETE PLACEMENT. A SILANE 40 OR APPROVED EQUAL PROTECTIVE SEALER SHALL ALSO BE APPLIED TO ALL FINISHED CONCRETE. CONTRACTOR TO COORDINATE WITH THE PROJECT ENGINEER TO ENSURE THAT ADEQUATE TIME HAS BEEN ALLOWED FOR THE CURING SEALER TO WEAR OFF AND THE PROTECTIVE SEALER TO CORRECTLY ADHERE TO THE CONCRETE SURFACE.

EROSION AND SEDIMENT CONTROL NOTES:

1. CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROLS (ESC)/STORMWATER BEST MANAGEMENT PRACTICES (BMP'S) MEASURES IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REQUIREMENTS. THIS INCLUDES REGULAR INSPECTION, REPLACEMENT, AND UPGRADING IF NECESSARY UNTIL ALL PROJECT CONSTRUCTION IS COMPLETED AND STABILIZATION IS ACHIEVED PER THE CGP OR AS DEFINED BY THE PROJECT ENGINEER.
2. IF DETERMINED NECESSARY, THE CONTRACTOR SHALL PREPARE AND SUBMIT A PROPOSED ESC PLAN TO THE PROJECT ENGINEER FOR APPROVAL PRIOR TO STARTING CONSTRUCTION.
3. THE CONTRACTOR SHALL COMPLY WITH THE PROVISIONS OF THE ENVIRONMENTAL PROTECTION AGENCY'S (EPA) NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) 2012 GENERAL PERMIT FOR DISCHARGES FROM CONSTRUCTION ACTIVITIES (CGP). THE CGP REQUIRES THAT PROJECTS WHICH INTEND TO DISTURB MORE THAN ONE (1) ACRE PREPARE/PROVIDE A STORMWATER POLLUTION PREVENTION PLAN (SWPPP).
4. ALL EROSION AND SEDIMENT 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. REFER TO THE "STATE OF IDAHO, CATALOG OF STORMWATER BEST MANAGEMENT PRACTICES FOR IDAHO CITIES AND COUNTIES" FOR FURTHER DETAILS ON BMP IMPLEMENTATION AND INSTALLATION.
6. CONTRACTOR SHALL CONTROL SURFACE DRAINAGE FROM EXCAVATION, BORROW AND WASTE DISPOSAL AREAS AS WELL AS PROVIDE CONTROL STRUCTURES AS NECESSARY TO TO PREVENT RUNOFF FROM FLOWING INTO PIPE TRENCHES DURING CONSTRUCTION AND CONTAMINATED RUNOFF FROM LEAVING THE PROJECT SITE.
7. CONTRACTOR SHALL MINIMIZE THE AMOUNT OF BARE SOIL EXPOSED AT ONE TIME.
8. STABILIZED CONSTRUCTION ENTRANCES SHALL BE PROVIDED AT ALL ENTRANCES/EXITS TO THE SITE AND CONSTRUCTION STAGING AREAS.
9. DURING CONSTRUCTION, CONTRACTOR SHALL WATER ALL DISTURBED AREAS AS NECESSARY FOR DUST ABATEMENT.

LEGEND:



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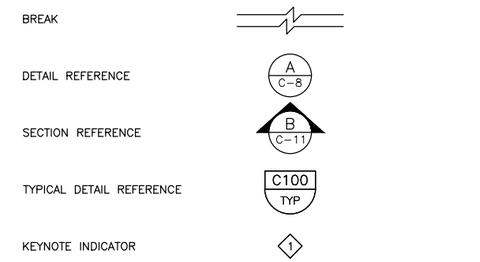

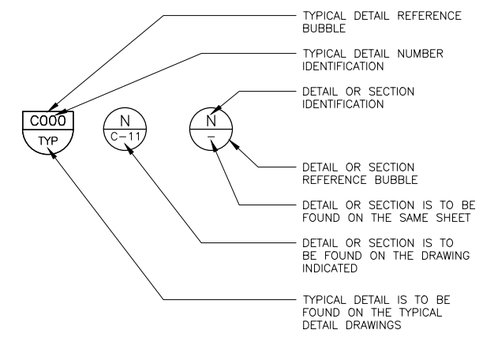

NO.	REVISION	BY	DATE
1.	BID PLAN SET	BEJ	3/24/2022
2.	ISSUE FOR CONSTRUCTION	BEJ	7/8/2022

DESIGN: BEJ/GTT
DRAWN: BEJ
CHECKED: GTT
APPROVED: GTT

PROFESSIONAL ENGINEER REGISTERED 12779 STATE OF IDAHO GREGG TANKERSLEY 7/8/22

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City of McCall

CITY OF McCALL
VALLEY COUNTY, IDAHO

PARK STREET AND THOMPSON AVENUE RECONSTRUCTION - PHASE 2
GENERAL INFORMATION AND NOTES

VERIFY SCALE
BAR IS ONE INCH ON FULL SIZE DRAWING
0 1"

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DRAWING NO.	G-2
SHEET NO.	2 OF 17

Path: M:\001\IID-City-McCall\19038\Civil\Dwg\CD\19038-004_G-2_NotesLegend.dwg File Name: 19038-004_G-2_NotesLegend.dwg Plot Date: 7/8/2022 10:15 AM Admin

NOTES:

1. REFER TO DRAWING NO. G-2, SHEET 2 FOR PROJECT NOTES, LEGEND AND SYMBOLS.

RAILROAD AVENUE
LENORA STREET
4TH STREET
PARK STREET
ALPINE STREET
DAVIS AVENUE
ANN STREET
SAMSON TRAIL AVENUE
N 3RD STREET
THOMPSON AVENUE

C-4, SHEET 6

C-3, SHEET 5

PROPOSED ROADWAY IMPROVEMENTS

COMPLETED IMPROVEMENTS

COMPLETED ROADWAY IMPROVEMENTS

FUTURE IMPROVEMENTS

FUTURE ROADWAY IMPROVEMENTS (TYP.)

BASE BID: 4TH STREET TO THOMPSON STREET
BID ALT. 1: 3RD STREET TO 4TH STREET

5060
5050

NORTH

0 30 60 120 180
SCALE: 1" = 60'

NO.	REVISION	BY	DATE
1.	BID PLAN SET	BEJ	3/24/2022
2.	ISSUE FOR CONSTRUCTION	BEJ	7/8/2022

DESIGN: BEJ/GTT
DRAWN: BEJ
CHECKED: GTT
APPROVED: GTT

PROFESSIONAL ENGINEER
REGISTERED
12779
7/8/22
STATE OF IDAHO
GREGG TANKERSLEY

CRESTLINE ENGINEERS
323 DEINHARD LANE, SUITE C · PO BOX 2330
McCALL, IDAHO 83638
208.634.4140 · 208.634.4146 FAX

City of McCall

CITY OF McCALL
VALLEY COUNTY, IDAHO

PARK STREET AND THOMPSON AVENUE RECONSTRUCTION - PHASE 2
OVERALL LAYOUT

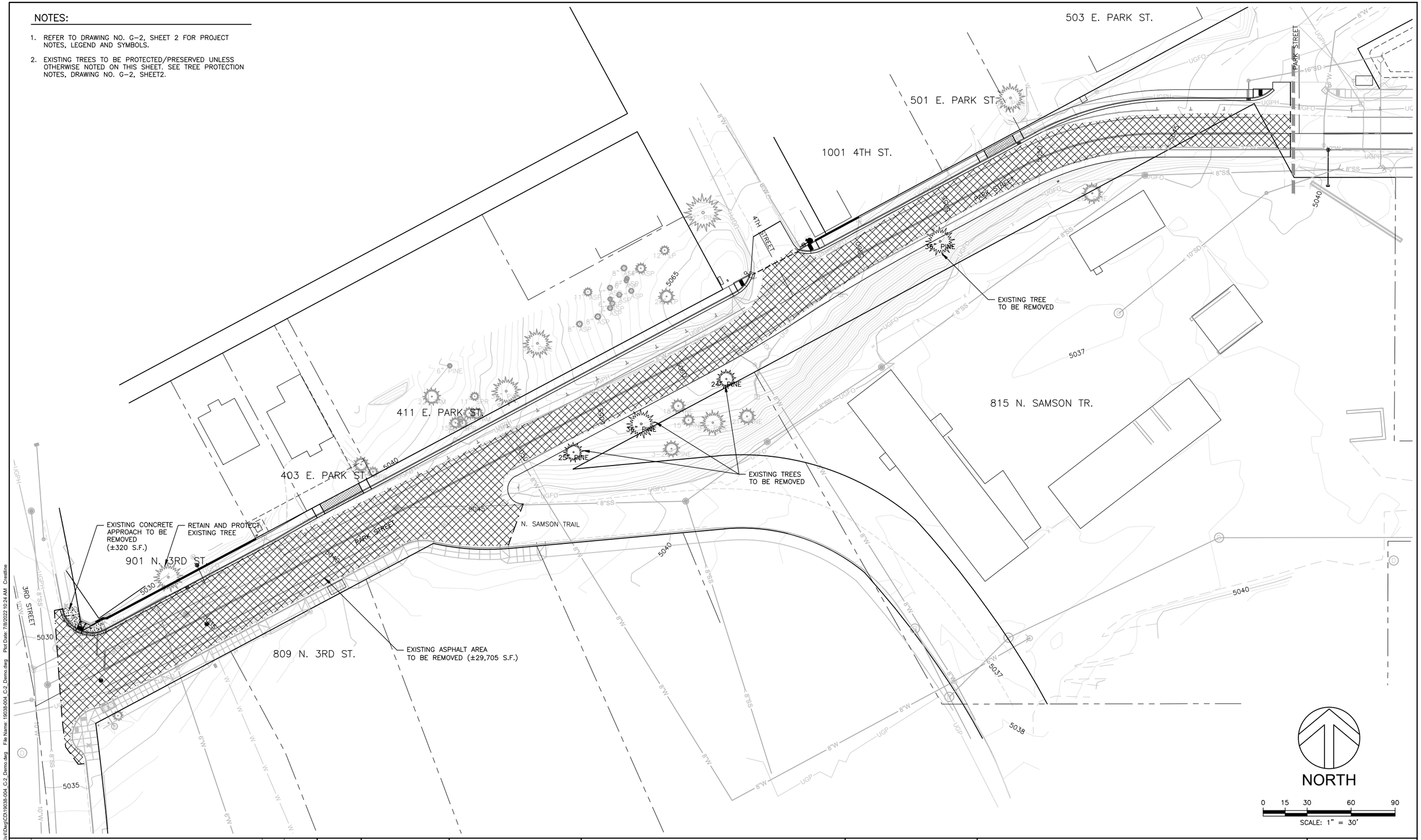
VERIFY SCALE
BAR IS ONE INCH ON FULL SIZE DRAWING
0 1"

PROJECT	19038-004
DATE	7/8/2022
DRAWING NO.	C-1
SHEET NO.	3 OF 17

Path: M:\2011\ID-City-McCall\19038\Civil\Dwg\CD\19038-004_C-1_OverallLayout.dwg File Name: 19038-004_C-1_OverallLayout.dwg Plot Date: 7/8/2022 10:21 AM Admin

NOTES:

1. REFER TO DRAWING NO. G-2, SHEET 2 FOR PROJECT NOTES, LEGEND AND SYMBOLS.
2. EXISTING TREES TO BE PROTECTED/PRESERVED UNLESS OTHERWISE NOTED ON THIS SHEET. SEE TREE PROTECTION NOTES, DRAWING NO. G-2, SHEET2.



NO.	REVISION	BY	DATE
1.	BID PLAN SET	BEJ	3/24/2022
2.	ISSUE FOR CONSTRUCTION	BEJ	7/8/2022

DESIGN	BEJ/GTT
DRAWN	AMD
CHECKED	GTT
APPROVED	GTT

PROFESSIONAL ENGINEER REGISTERED 12779 7/8/22 STATE OF IDAHO GREGG TANKERSLEY

CRESTLINE ENGINEERS
323 DEINHARD LANE, SUITE C · PO BOX 2330
McCALL, IDAHO 83638
208.634.4140 · 208.634.4146 FAX

City of McCall

CITY OF McCALL
VALLEY COUNTY, IDAHO

PARK STREET AND THOMPSON AVENUE RECONSTRUCTION - PHASE 2
DEMOLITION PLAN

VERIFY SCALE
BAR IS ONE INCH ON FULL SIZE DRAWING
0 1"

PROJECT	19038-004
DATE	7/8/2022
DRAWING NO.	C-2
SHEET NO.	4 OF 17

Path: M:\001\IID-City-McCall\19038\Civil\Dwg\CD\19038-004_C-2_Demo.dwg File Name: 19038-004_C-2_Demo.dwg Plot Date: 7/8/2022 10:24 AM Crestline

NORTH

0 10 20 40 60

SCALE: 1" = 20'

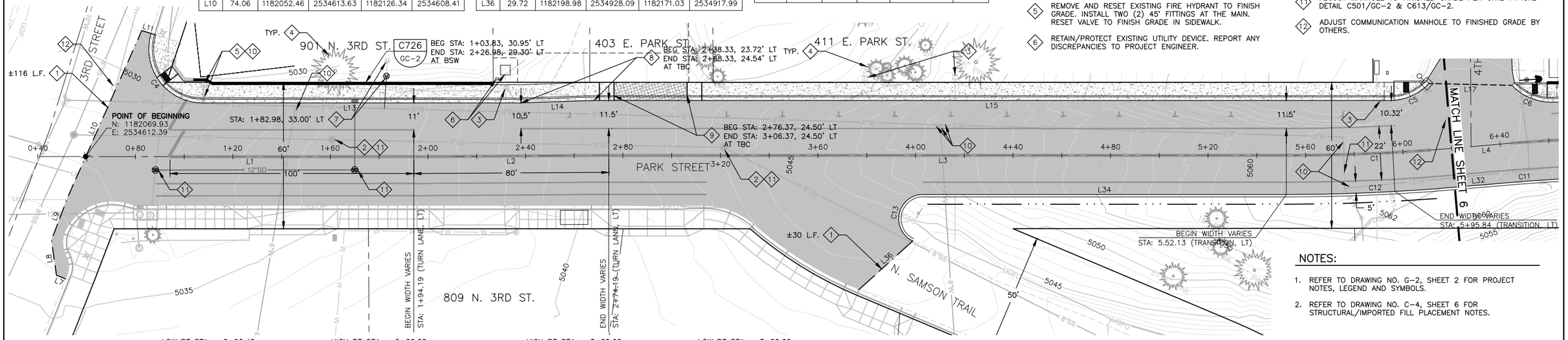
LINE TABLE					
LINE	LENGTH	START NORTHING	START EASTING	END NORTHING	END EASTING
L1	134.56	1182133.20	2534731.15	1182069.93	2534612.39
L2	80.00	1182171.26	2534801.52	1182133.20	2534731.15
L3	277.94	1182301.95	2535046.82	1182171.26	2534801.52
L4	20.66	1182349.77	2535125.90	1182338.50	2535108.58
L7	4.00	1182021.81	2534628.64	1182021.38	2534624.66
L8	14.51	1182021.38	2534624.66	1182033.10	2534616.10
L9	19.52	1182033.10	2534616.10	1182052.46	2534613.63
L10	74.06	1182052.46	2534613.63	1182126.34	2534608.41

LINE TABLE					
LINE	LENGTH	START NORTHING	START EASTING	END NORTHING	END EASTING
L11	4.00	1182126.34	2534608.41	1182127.09	2534612.33
L13	130.71	1182111.85	2534644.28	1182173.31	2534759.64
L14	30.02	1182173.31	2534759.64	1182188.30	2534785.65
L15	326.46	1182188.30	2534785.65	1182341.80	2535073.77
L17	33.93	1182355.51	2535084.67	1182370.80	2535114.97
L32	11.77	1182331.55	2535127.19	1182325.11	2535117.34
L34	148.95	1182287.83	2535054.35	1182217.79	2534922.89
L36	29.72	1182198.98	2534928.09	1182171.03	2534917.99

CURVE TABLE					
CURVE	LENGTH	RADIUS	DELTA	CHORD DIRECTION	CHORD LENGTH
C1	71.79	800.00	5.14	S59° 22' 55"W	71.76
C4	41.13	22.00	107.13	S64° 29' 05"E	35.40
C5	18.02	22.00	46.93	N38° 29' 20"E	17.52
C6	18.02	22.00	46.93	N85° 11' 03"E	17.52
C11	25.64	784.00	1.87	S57° 44' 54"W	25.64
C12	73.22	816.00	5.14	S59° 22' 55"W	73.20
C13	27.01	10.00	154.78	S15° 26' 12"E	19.52

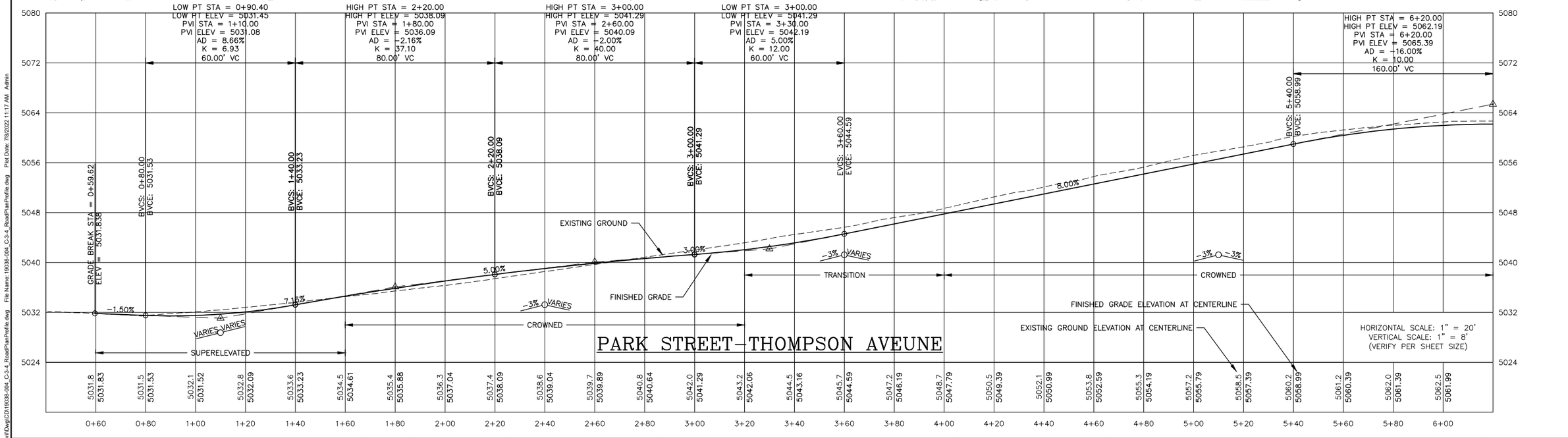
KEY NOTES:

1. SAWCUT EXISTING ASPHALT ROAD AND EDGE OF PAVEMENT FOR NEW ROAD TO CLEAN EDGE AND MATCH PAVEMENT, LENGTH AS SPECIFIED ON PLANS (INCIDENTAL TO ITEM 201.4.1.D.1).
2. POTHOLE/EXPLORATORY EXCAVATION TO LOCATE EXISTING MANHOLE UNDER ASPHALT (APPROX. LOCATION). VERIFY DEPTH AND REPORT FINDINGS TO PROJECT ENGINEER.
3. VERIFY TELECOMMUNICATION EQUIPMENT LOCATION PRIOR TO THE START OF CONSTRUCTION. REPORT ANY CONFLICTS/DISCREPANCIES TO THE PROJECT ENGINEER.
4. EXISTING TREE TO BE PROTECTED/PRESERVED. SEE TREE PROTECTION NOTES, DRAWING NO. G-2, SHEET 2.
5. REMOVE AND RESET EXISTING FIRE HYDRANT TO FINISH GRADE. INSTALL TWO (2) 45° FITTINGS AT THE MAIN. RESET VALVE TO FINISH GRADE IN SIDEWALK.
6. RETAIN/PROTECT EXISTING UTILITY DEVICE. REPORT ANY DISCREPANCIES TO PROJECT ENGINEER.
7. REPLACE EXISTING WATER METER SERVICE PER CIVIL TYPICAL DETAIL C401B/GC-1.
8. 30:1 SIDEWALK TAPER FOR TURN LANE AT TBC.
   BEGIN STA: 2+38.33, 23.72' LT
   END STA: 2+68.33, 24.54' LT
9. CONCRETE DRIVEWAY WITH RAMPED SIDEWALK APPROACH PER ISPWC SD-710B.
   BEGIN STA: 2+76.37, 24.50' LT
   END STA: 3+06.37, 24.50' LT
10. ADJUST VALVE BOX TO FINISHED GRADE PER CIVIL TYPICAL DETAIL C412/GC-1.
11. ADJUST MANHOLE TO FINISHED GRADE PER CIVIL TYPICAL DETAIL C501/GC-2 & C613/GC-2.
12. ADJUST COMMUNICATION MANHOLE TO FINISHED GRADE BY OTHERS.



NOTES:

1. REFER TO DRAWING NO. G-2, SHEET 2 FOR PROJECT NOTES, LEGEND AND SYMBOLS.
2. REFER TO DRAWING NO. C-4, SHEET 6 FOR STRUCTURAL/IMPORTED FILL PLACEMENT NOTES.



NO.	REVISION	BY	DATE
1.	BID PLAN SET	BEJ	3/24/2022
2.	ISSUE FOR CONSTRUCTION (403 E. PARK ST. DRIVEWAY MODIFICATIONS)	BEJ	7/8/2022

DESIGN: BEJ/GTT
DRAWN: BEJ
CHECKED: GTT
APPROVED: GTT

PROFESSIONAL ENGINEER REGISTERED 12779 STATE OF IDAHO GREGG TANKERSLEY 7/8/22

CRESTLINE ENGINEERS
323 DEINHARD LANE, SUITE C · PO BOX 2330
McCALL, IDAHO 83638
208.634.4140 · 208.634.4146 FAX

City of McCall

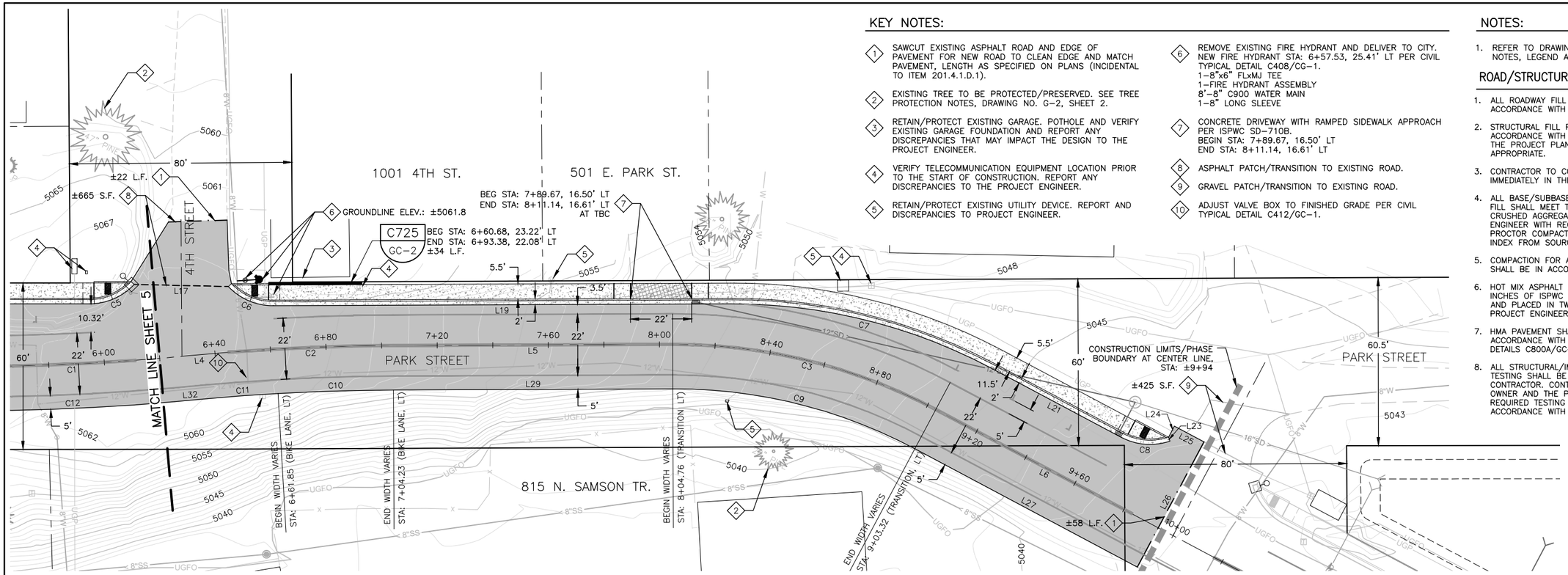
CITY OF McCALL
VALLEY COUNTY, IDAHO

PARK STREET AND THOMPSON AVENUE RECONSTRUCTION - PHASE 2
ROAD PLAN AND PROFILE/DOMESTIC WATER
IMPROVEMENTS STA.: 0+40.00 - 6+20.00

VERIFY SCALE
BAR IS ONE INCH ON FULL SIZE DRAWING
0 1"

PROJECT	19038-004
DATE	7/8/2022
DRAWING NO.	SHEET NO.
C-3	5 OF 17

Path: M:\001\IID-City-McCall\19038\Civil\Dwg\CD\19038-004_C-3-4_RoadPlanProfile.dwg File Name: 19038-004_C-3-4_RoadPlanProfile.dwg Plot Date: 7/8/2022 11:17 AM Admin



KEY NOTES:

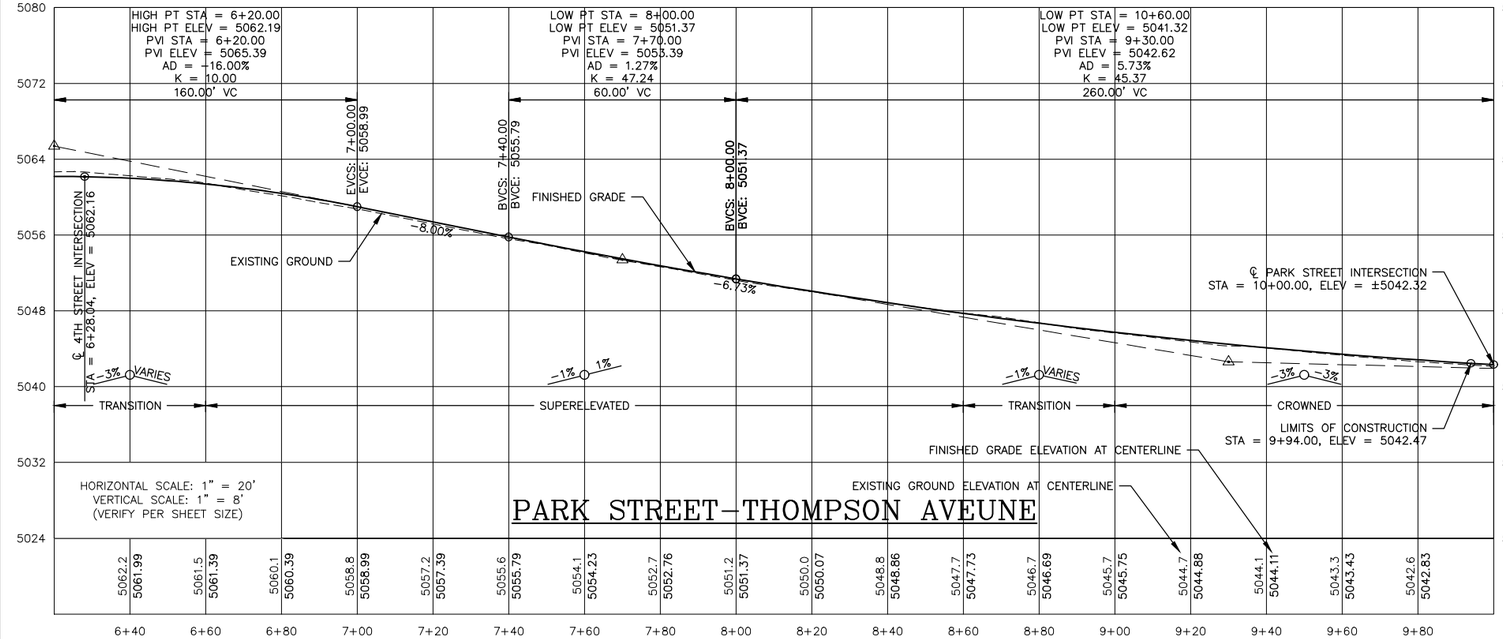
1. SAWCUT EXISTING ASPHALT ROAD AND EDGE OF PAVEMENT FOR NEW ROAD TO CLEAN EDGE AND MATCH PAVEMENT, LENGTH AS SPECIFIED ON PLANS (INCIDENTAL TO ITEM 201.4.1.D.1).
2. EXISTING TREE TO BE PROTECTED/PRESERVED. SEE TREE PROTECTION NOTES, DRAWING NO. G-2, SHEET 2.
3. RETAIN/PROTECT EXISTING GARAGE. POTHOLE AND VERIFY EXISTING GARAGE FOUNDATION AND REPORT ANY DISCREPANCIES THAT MAY IMPACT THE DESIGN TO THE PROJECT ENGINEER.
4. VERIFY TELECOMMUNICATION EQUIPMENT LOCATION PRIOR TO THE START OF CONSTRUCTION. REPORT ANY DISCREPANCIES TO THE PROJECT ENGINEER.
5. RETAIN/PROTECT EXISTING UTILITY DEVICE. REPORT AND DISCREPANCIES TO PROJECT ENGINEER.
6. REMOVE EXISTING FIRE HYDRANT AND DELIVER TO CITY. NEW FIRE HYDRANT STA: 6+57.53, 25.41' LT PER CIVIL TYPICAL DETAIL C408/CG-1.
   1-8"x6" FLxMJ TEE
   1-FIRE HYDRANT ASSEMBLY
   8'-8" C900 WATER MAIN
   1-8" LONG SLEEVE
7. CONCRETE DRIVEWAY WITH RAMPED SIDEWALK APPROACH PER ISPWC SD-710B.
   BEGIN STA: 7+89.67, 16.50' LT
   END STA: 8+11.14, 16.61' LT
8. ASPHALT PATCH/TRANSITION TO EXISTING ROAD.
9. GRAVEL PATCH/TRANSITION TO EXISTING ROAD.
10. ADJUST VALVE BOX TO FINISHED GRADE PER CIVIL TYPICAL DETAIL C412/GC-1.

NOTES:

1. REFER TO DRAWING NO. G-2, SHEET 2 FOR PROJECT NOTES, LEGEND AND SYMBOLS.

ROAD/STRUCTURAL FILL PLACEMENT NOTES:

1. ALL ROADWAY FILL MATERIAL AND EMBANKMENT SHALL BE IN ACCORDANCE WITH ISPWC SECTION 202.
2. STRUCTURAL FILL PLACEMENT SHALL BE COMPLETED IN ACCORDANCE WITH DIVISIONS 200 AND 800 OF THE ISPWC, THE PROJECT PLANS, AND CITY OF McCALL STANDARDS WHERE APPROPRIATE.
3. CONTRACTOR TO CONTACT THE PROJECT ENGINEER IMMEDIATELY IN THE EVENT OF ANY UTILITY CONFLICT.
4. ALL BASE/SUBBASE COURSE USED FOR STRUCTURAL/IMPORTED FILL SHALL MEET THE REQUIREMENTS OF ISPWC SECTION 802, CRUSHED AGGREGATES. CONTRACTOR SHALL PROVIDE PROJECT ENGINEER WITH RECENT TESTING DATA ON SIEVE ANALYSIS, PROCTOR COMPACTION RESULTS, LIQUID LIMITS, AND PLASTICITY INDEX FROM SOURCE LOCATIONS PRIOR TO PLACEMENT.
5. COMPACTION FOR ALL AGGREGATE BASE/SUBBASE MATERIAL SHALL BE IN ACCORDANCE WITH ISPWC SECTION 802.
6. HOT MIX ASPHALT (HMA) PAVEMENT SHALL BE FOUR (4") INCHES OF ISPWC 1/2" AGGREGATE, SUPERPAVE-3, PG64-34 AND PLACED IN TWO (2) LIFTS. CONTRACTOR SHALL PROVIDE PROJECT ENGINEER WITH MIX DESIGN PRIOR TO PLACEMENT.
7. HMA PAVEMENT SHALL BE PLACED AND TESTED IN ACCORDANCE WITH ISPWC SECTION 810 AND CIVIL TYPICAL DETAILS C800A/GC-3, C800B/GC-3 AND C800C/GC-3.
8. ALL STRUCTURAL/IMPORTED FILL BASE/SUBBASE PLACEMENT TESTING SHALL BE THIRD PARTY PROVIDED BY THE CONTRACTOR. CONTRACTOR SHALL COORDINATE WITH THE OWNER AND THE PROJECT ENGINEER TO ACCOMMODATE ALL REQUIRED TESTING DURING PLACEMENT OF FILL MATERIALS IN ACCORDANCE WITH ISPWC.



CURVE TABLE

CURVE	LENGTH	RADIUS	DELTA	CHORD DIRECTION	CHORD LENGTH
C1	71.79	800.00	5.14	S59° 22' 55"W	71.76
C2	59.66	800.00	4.27	S59° 35' 03"W	59.65
C3	98.56	200.00	28.24	S75° 50' 19"W	97.57
C5	18.02	22.00	46.93	N38° 29' 20"E	17.52
C6	18.02	22.00	46.93	N85° 11' 03"E	17.52
C7	97.58	198.00	28.24	N75° 50' 19"E	96.59
C8	18.02	22.00	46.93	N66° 29' 34"E	17.52
C9	90.68	184.00	28.24	S75° 50' 19"W	89.76
C10	41.53	784.00	3.04	S60° 12' 10"W	41.53
C11	25.64	784.00	1.87	S57° 44' 54"W	25.64
C12	73.22	816.00	5.14	S59° 22' 55"W	73.20

LINE TABLE

LINE	LENGTH	START NORTHING	START EASTING	END NORTHING	END EASTING
L4	20.66	1182349.77	2535125.90	1182338.50	2535108.58
L5	100.53	1182427.59	2535265.87	1182379.96	2535177.33
L6	90.68	1182451.53	2535451.14	1182451.46	2535360.47
L17	33.93	1182355.51	2535084.67	1182370.80	2535114.97
L19	164.78	1182372.27	2535132.43	1182450.34	2535277.54
L21	52.93	1182473.97	2535371.20	1182474.01	2535424.13
L23	1.50	1182481.00	2535440.19	1182482.02	2535439.09
L24	4.50	1182482.02	2535439.09	1182486.52	2535439.09
L25	12.03	1182486.52	2535439.09	1182486.53	2535451.12
L26	51.00	1182486.53	2535451.12	1182435.53	2535451.16
L27	90.68	1182435.53	2535451.16	1182435.46	2535360.48
L29	100.53	1182413.50	2535273.45	1182365.87	2535184.91
L32	11.77	1182331.55	2535127.19	1182325.11	2535117.34

NO.	REVISION	BY	DATE
1.	BID PLAN SET	BEJ	3/24/2022
2.	ISSUE FOR CONSTRUCTION	BEJ	7/8/2022

DESIGN: BEJ/GTT
DRAWN: BEJ
CHECKED: GTT
APPROVED: GTT

PROFESSIONAL ENGINEER REGISTERED 12779 STATE OF IDAHO GREGG TANKERSLEY 7/8/22

CRESTLINE ENGINEERS
323 DEINHARD LANE, SUITE C · PO BOX 2330
McCALL, IDAHO 83638
208.634.4140 · 208.634.4146 FAX

City of McCall

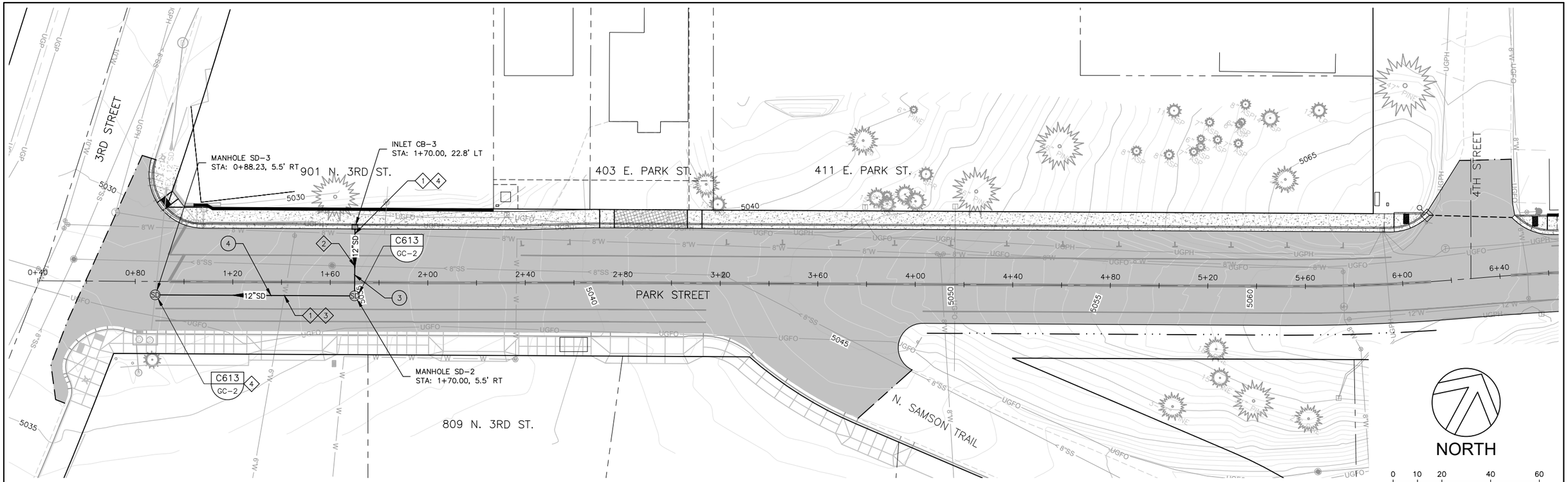
CITY OF McCALL
VALLEY COUNTY, IDAHO

PARK STREET AND THOMPSON AVENUE RECONSTRUCTION - PHASE 2
ROAD PLAN AND PROFILE/DOMESTIC WATER
IMPORVEMENTS STA.: 6+20.00 - 10+00.00

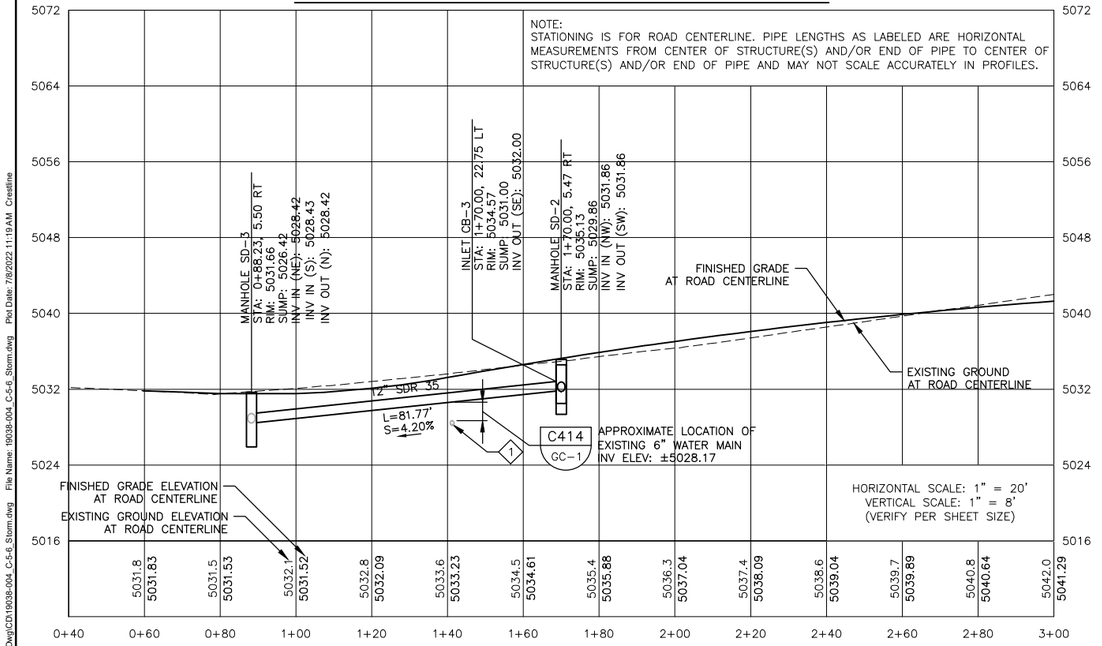
VERIFY SCALE
BAR IS ONE INCH ON FULL SIZE DRAWING (0 — 1")

PROJECT	19038-004
DATE	7/8/2022
DRAWING NO.	C-4
SHEET NO.	6 OF 17

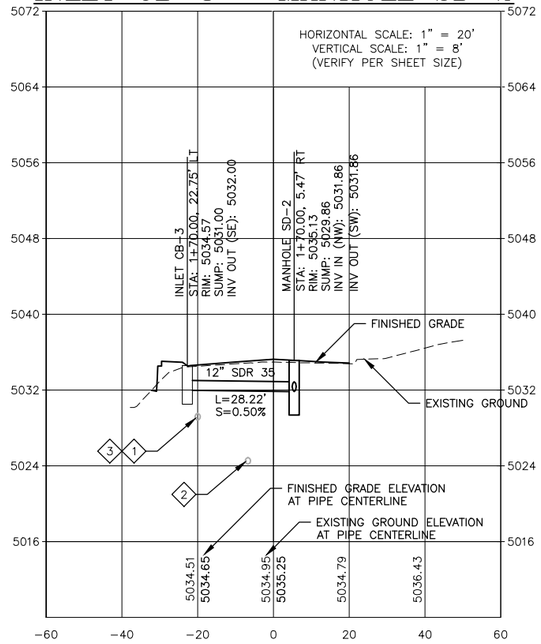
Path: M:\001\IID-City-McCall\19038\Civil\Dwg\CD\19038-004_C-3-4_RoadPlanProfile.dwg File Name: 19038-004_C-3-4_RoadPlanProfile.dwg Plot Date: 7/8/2022 10:28 AM Admin



MANHOLE SD-2 – MANHOLE SD-3



INLET CB-3 – MANHOLE SD-2



STORM PIPE/CULVERT TABLE					
NO.	SIZE/TYPE	INV. IN EL.	INV. OUT EL.	LEGNTH/SLOPE	END SECTIONS
3	12" SDR 35	5032.00 (NW)	5031.86 (SW)	28.22 L.F. @ 0.50%	NONE
4	12" SDR 35	5031.86 (NE)	5028.42 (SW)	81.77 L.F. @ 4.20%	NONE

NOTES:

1. REFER TO DRAWING NO. G-2, SHEET 2 FOR PROJECT NOTES, LEGEND AND SYMBOLS.

KEYNOTES:

1. POTHOLE AND VERIFY EXISTING WATER MAIN LOCATION PRIOR TO START OF PROJECT CONSTRUCTION. REPORT ANY DISCREPANCIES THAT MAY IMPACT THE PROPOSED DESIGN TO THE PROJECT ENGINEER.
2. POTHOLE AND VERIFY EXISTING SEWER MAIN LOCATION PRIOR TO START OF PROJECT CONSTRUCTION. REPORT ANY DISCREPANCIES THAT MAY IMPACT THE PROPOSED DESIGN TO THE PROJECT ENGINEER.
3. MAINTAIN POTABLE/NON-POTABLE VERTICAL SEPARATION PER CIVIL TYPICAL DETAIL C414/GC-1.
4. CONNECT PROPOSED MANHOLE TO EXISTING 12" STORM DRAIN PIPE.

NO.	REVISION	BY	DATE
1.	BID PLAN SET	BEJ	3/24/2022
2.	ISSUE FOR CONSTRUCTION	BEJ	7/8/2022

DESIGN BEJ/GTT
DRAWN BEJ/AMD
CHECKED GTT
APPROVED GTT

PROFESSIONAL ENGINEER REGISTERED 12779 STATE OF IDAHO GREGG TANKERSLEY 7/8/22

CRESTLINE ENGINEERS
323 DEINHARD LANE, SUITE C · PO BOX 2330
McCALL, IDAHO 83638
208.634.4140 · 208.634.4146 FAX

City of McCall

CITY OF McCALL
VALLEY COUNTY, IDAHO

PARK STREET AND THOMPSON AVENUE RECONSTRUCTION - PHASE 2
STORMWATER PLAN AND PROFILE - 1

VERIFY SCALE
BAR IS ONE INCH ON FULL SIZE DRAWING (0 – 1")

PROJECT 19038-004
DATE 7/8/2022
DRAWING NO. C-5
SHEET NO. 7 OF 17

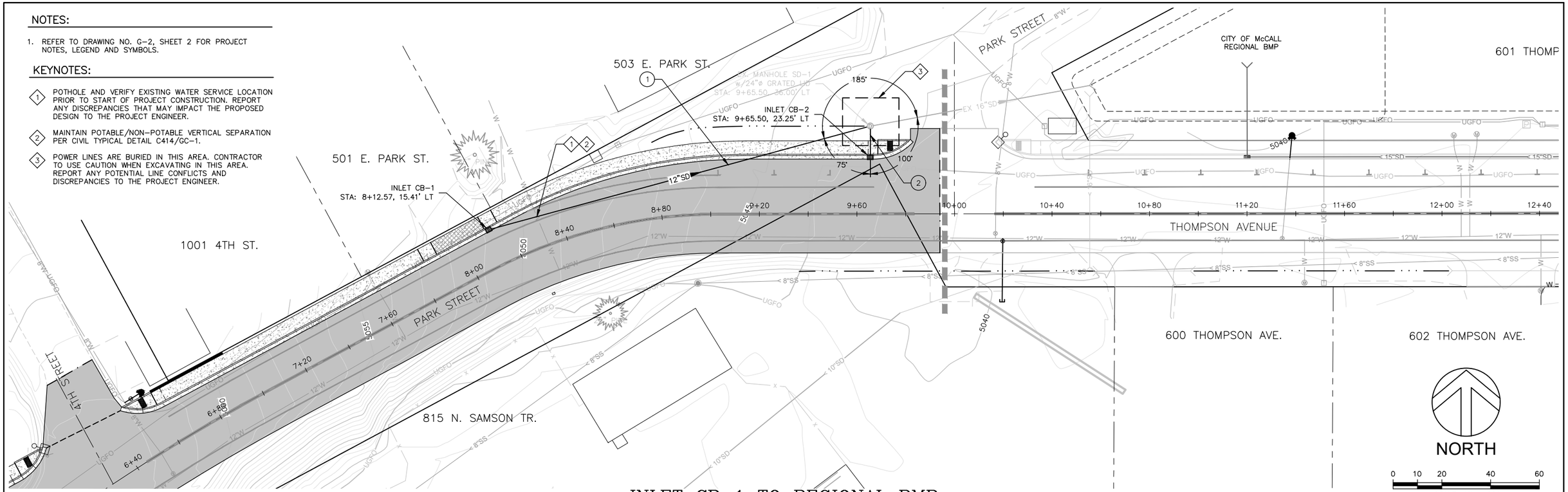
Path: M:\0011\IID-City-McCall\19038\Civil\Dwg\CD\19038-004_C-5-6_Storm.dwg File Name: 19038-004_C-5-6_Storm.dwg Plot Date: 7/8/2022 11:19 AM Crestline

NOTES:

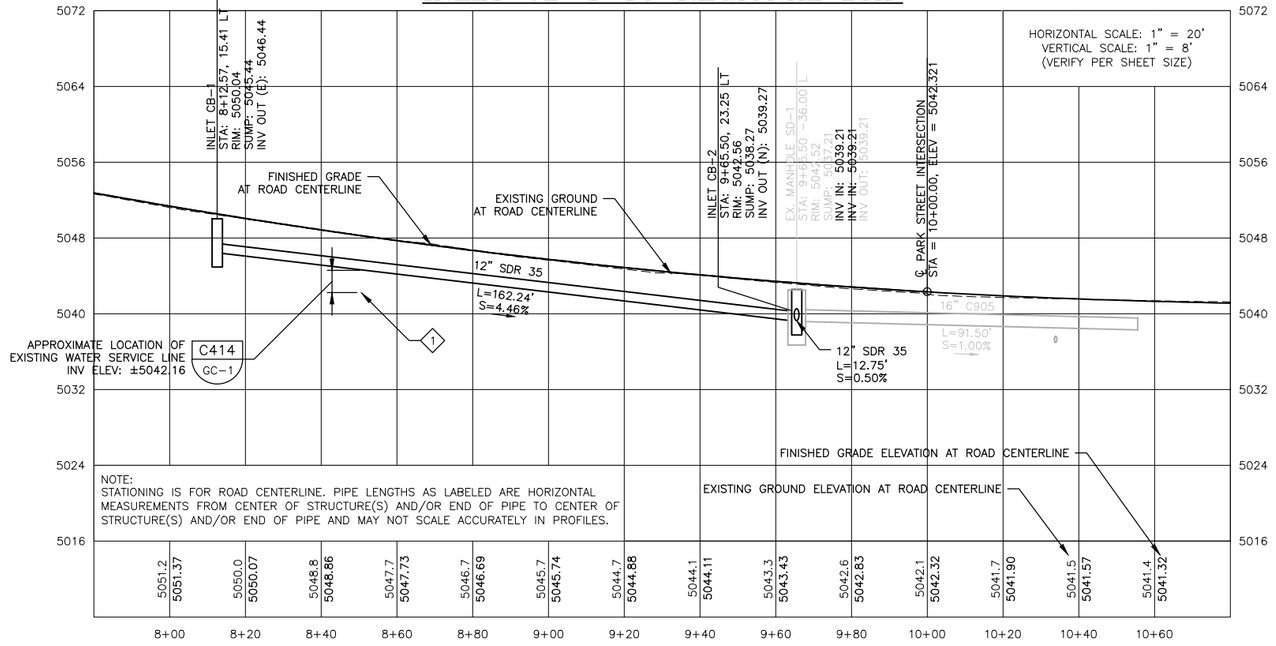
1. REFER TO DRAWING NO. G-2, SHEET 2 FOR PROJECT NOTES, LEGEND AND SYMBOLS.

KEYNOTES:

1. POTHOLE AND VERIFY EXISTING WATER SERVICE LOCATION PRIOR TO START OF PROJECT CONSTRUCTION. REPORT ANY DISCREPANCIES THAT MAY IMPACT THE PROPOSED DESIGN TO THE PROJECT ENGINEER.
2. MAINTAIN POTABLE/NON-POTABLE VERTICAL SEPARATION PER CIVIL TYPICAL DETAIL C414/GC-1.
3. POWER LINES ARE BURIED IN THIS AREA. CONTRACTOR TO USE CAUTION WHEN EXCAVATING IN THIS AREA. REPORT ANY POTENTIAL LINE CONFLICTS AND DISCREPANCIES TO THE PROJECT ENGINEER.



INLET CB-1 TO REGIONAL BMP



STORM PIPE/CULVERT TABLE

NO.	SIZE/TYPE	INV. IN EL.	INV. OUT EL.	LEGNTH/SLOPE	END SECTIONS
1	12" SDR 35	5039.21 (W)	5046.44 (E)	162.2 L.F. @ 4.46%	NONE
2	12" SDR 35	5038.21 (S)	5038.27 (N)	12.75 .F. @ 0.50%	NONE

NO.	REVISION	BY	DATE
1.	BID PLAN SET	BEJ	3/24/2022
2.	ISSUE FOR CONSTRUCTION	BEJ	7/8/2022

DESIGN BEJ/GTT
DRAWN BEJ/AMD
CHECKED GTT
APPROVED GTT

PROFESSIONAL ENGINEER REGISTERED 12779 7/8/22 STATE OF IDAHO GREGG TANKERSLEY

CRESTLINE ENGINEERS
323 DEINHARD LANE, SUITE C · PO BOX 2330
McCALL, IDAHO 83638
208.634.4140 · 208.634.4146 FAX

City of McCall

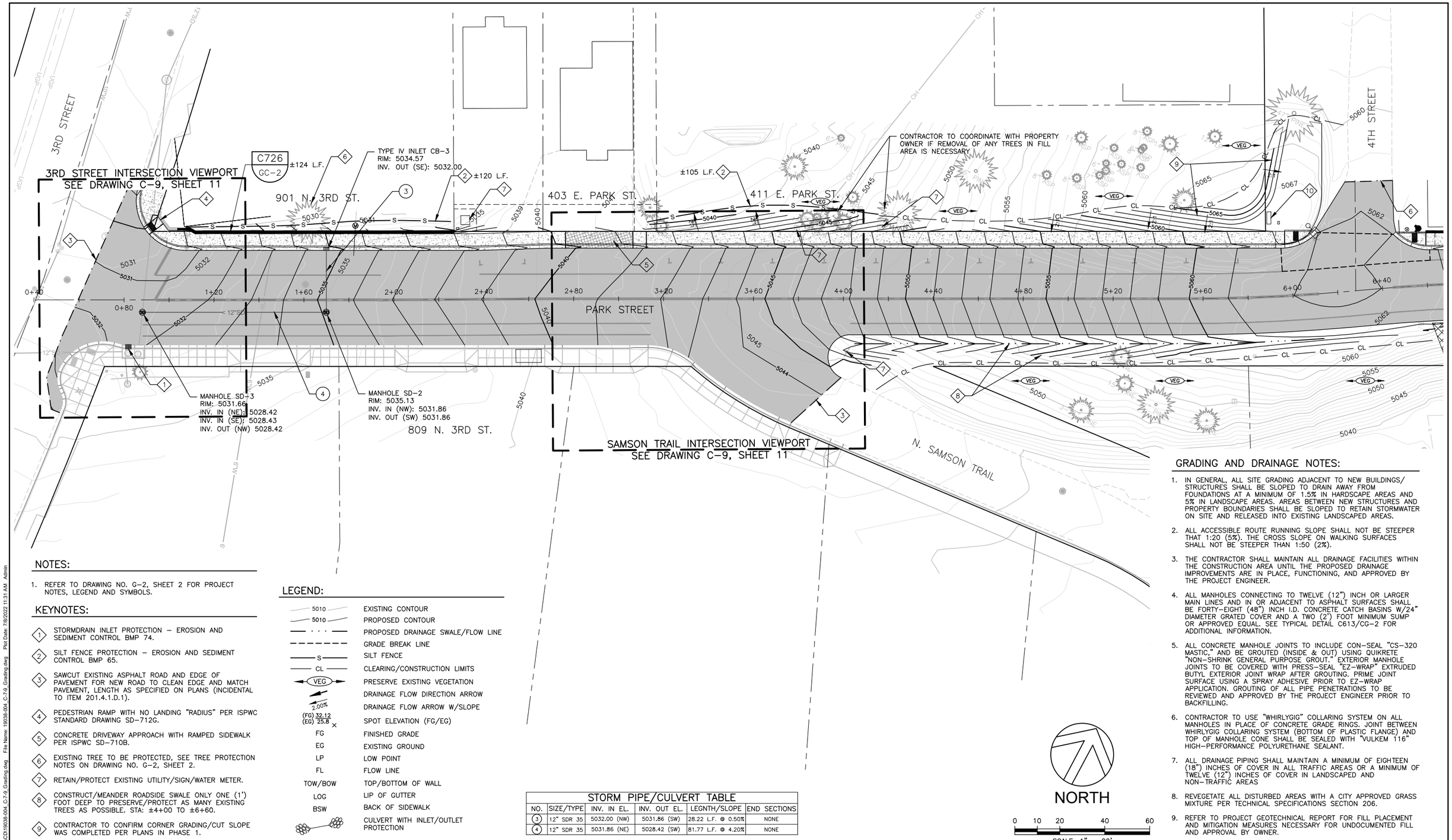
CITY OF McCALL
VALLEY COUNTY, IDAHO

PARK STREET AND THOMPSON AVENUE RECONSTRUCTION - PHASE 2
STORMWATER PLAN AND PROFILE - 2

VERIFY SCALE
BAR IS ONE INCH ON FULL SIZE DRAWING
0 1"

PROJECT	19038-004
DATE	7/8/2022
DRAWING NO.	C-6
SHEET NO.	8 OF 17

Path: M:\0011\ID-City-McCall\19038\Civil\Dwg\CD\19038-004_C-5-6_Storm.dwg File Name: 19038-004_C-5-6_Storm.dwg Plot Date: 7/8/2022 11:19 AM Crestline



NOTES:

1. REFER TO DRAWING NO. G-2, SHEET 2 FOR PROJECT NOTES, LEGEND AND SYMBOLS.

KEYNOTES:

1. STORMDRAIN INLET PROTECTION – EROSION AND SEDIMENT CONTROL BMP 74.
2. SILT FENCE PROTECTION – EROSION AND SEDIMENT CONTROL BMP 65.
3. SAWCUT EXISTING ASPHALT ROAD AND EDGE OF PAVEMENT FOR NEW ROAD TO CLEAN EDGE AND MATCH PAVEMENT, LENGTH AS SPECIFIED ON PLANS (INCIDENTAL TO ITEM 201.4.1.D.1).
4. PEDESTRIAN RAMP WITH NO LANDING "RADIUS" PER ISPWC STANDARD DRAWING SD-712G.
5. CONCRETE DRIVEWAY APPROACH WITH RAMPED SIDEWALK PER ISPWC SD-710B.
6. EXISTING TREE TO BE PROTECTED, SEE TREE PROTECTION NOTES ON DRAWING NO. G-2, SHEET 2.
7. RETAIN/PROTECT EXISTING UTILITY/SIGN/WATER METER.
8. CONSTRUCT/MEANDER ROADSIDE SWALE ONLY ONE (1') FOOT DEEP TO PRESERVE/PROTECT AS MANY EXISTING TREES AS POSSIBLE. STA: ±4+00 TO ±6+60.
9. CONTRACTOR TO CONFIRM CORNER GRADING/CUT SLOPE WAS COMPLETED PER PLANS IN PHASE 1.

LEGEND:

5010	EXISTING CONTOUR
5010	PROPOSED CONTOUR
— · · —	PROPOSED DRAINAGE SWALE/FLOW LINE
– – – –	GRADE BREAK LINE
—S—	SILT FENCE
—CL—	CLEARING/CONSTRUCTION LIMITS
VEG	PRESERVE EXISTING VEGETATION
2.00%	DRAINAGE FLOW DIRECTION ARROW
2.00% S	DRAINAGE FLOW ARROW W/SLOPE
(FG) 32.12 (EG) 25.8	SPOT ELEVATION (FG/EG)
FG	FINISHED GRADE
EG	EXISTING GROUND
LP	LOW POINT
FL	FLOW LINE
TOW/BOW	TOP/BOTTOM OF WALL
LOG	LIP OF GUTTER
BSW	BACK OF SIDEWALK
	CULVERT WITH INLET/OUTLET PROTECTION

STORM PIPE/CULVERT TABLE

NO.	SIZE/TYPE	INV. IN EL.	INV. OUT EL.	LEGNTH/SLOPE	END SECTIONS
3	12" SDR 35	5032.00 (NW)	5031.86 (SW)	28.22 L.F. @ 0.50%	NONE
4	12" SDR 35	5031.86 (NE)	5028.42 (SW)	81.77 L.F. @ 4.20%	NONE

NORTH

0 10 20 40 60

SCALE: 1" = 20'

GRADING AND DRAINAGE NOTES:

1. IN GENERAL, ALL SITE GRADING ADJACENT TO NEW BUILDINGS/ STRUCTURES SHALL BE SLOPED TO DRAIN AWAY FROM FOUNDATIONS AT A MINIMUM OF 1.5% IN HARDSCAPE AREAS AND 5% IN LANDSCAPE AREAS. AREAS BETWEEN NEW STRUCTURES AND PROPERTY BOUNDARIES SHALL BE SLOPED TO RETAIN STORMWATER ON SITE AND RELEASED INTO EXISTING LANDSCAPED AREAS.
2. ALL ACCESSIBLE ROUTE RUNNING SLOPE SHALL NOT BE STEEPER THAT 1:20 (5%). THE CROSS SLOPE ON WALKING SURFACES SHALL NOT BE STEEPER THAN 1:50 (2%).
3. THE CONTRACTOR SHALL MAINTAIN ALL DRAINAGE FACILITIES WITHIN THE CONSTRUCTION AREA UNTIL THE PROPOSED DRAINAGE IMPROVEMENTS ARE IN PLACE, FUNCTIONING, AND APPROVED BY THE PROJECT ENGINEER.
4. ALL MANHOLES CONNECTING TO TWELVE (12") INCH OR LARGER MAIN LINES AND IN OR ADJACENT TO ASPHALT SURFACES SHALL BE FORTY-EIGHT (48") INCH I.D. CONCRETE CATCH BASINS W/24" DIAMETER GRATED COVER AND A TWO (2') FOOT MINIMUM SUMP OR APPROVED EQUAL. SEE TYPICAL DETAIL C613/CG-2 FOR ADDITIONAL INFORMATION.
5. ALL CONCRETE MANHOLE JOINTS TO INCLUDE CON-SEAL "CS-320 MASTIC," AND BE GROUTED (INSIDE & OUT) USING QUIKRETE "NON-SHRINK GENERAL PURPOSE GROUT." EXTERIOR MANHOLE JOINTS TO BE COVERED WITH PRESS-SEAL "EZ-WRAP" EXTRUDED BUTYL EXTERIOR JOINT WRAP AFTER GROUTING. PRIME JOINT SURFACE USING A SPRAY ADHESIVE PRIOR TO EZ-WRAP APPLICATION. GROUTING OF ALL PIPE PENETRATIONS TO BE REVIEWED AND APPROVED BY THE PROJECT ENGINEER PRIOR TO BACKFILLING.
6. CONTRACTOR TO USE "WHIRLYGIG" COLLARING SYSTEM ON ALL MANHOLES IN PLACE OF CONCRETE GRADE RINGS. JOINT BETWEEN WHIRLYGIG COLLARING SYSTEM (BOTTOM OF PLASTIC FLANGE) AND TOP OF MANHOLE CONE SHALL BE SEALED WITH "VULKEM 116" HIGH-PERFORMANCE POLYURETHANE SEALANT.
7. ALL DRAINAGE PIPING SHALL MAINTAIN A MINIMUM OF EIGHTEEN (18") INCHES OF COVER IN ALL TRAFFIC AREAS OR A MINIMUM OF TWELVE (12") INCHES OF COVER IN LANDSCAPED AND NON-TRAFFIC AREAS
8. REVEGETATE ALL DISTURBED AREAS WITH A CITY APPROVED GRASS MIXTURE PER TECHNICAL SPECIFICATIONS SECTION 206.
9. REFER TO PROJECT GEOTECHNICAL REPORT FOR FILL PLACEMENT AND MITIGATION MEASURES NECESSARY FOR UNDOCUMENTED FILL AND APPROVAL BY OWNER.

NO.	REVISION	BY	DATE
1.	BID PLAN SET	BEJ	3/24/2022
2.	ISSUE FOR CONSTRUCTION	BEJ	7/8/2022

DESIGN: BEJ/GTT
DRAWN: BEJ
CHECKED: GTT
APPROVED: GTT

PROFESSIONAL ENGINEER REGISTERED 12779 STATE OF IDAHO GREGG TANKERSLEY 7/8/22

CRESTLINE ENGINEERS
323 DEINHARD LANE, SUITE C · PO BOX 2330
McCALL, IDAHO 83638
208.634.4140 · 208.634.4146 FAX

City of McCall

CITY OF McCALL
VALLEY COUNTY, IDAHO

PARK STREET AND THOMPSON AVENUE RECONSTRUCTION - PHASE 2
GRADING, DRAINAGE AND STORMWATER MANAGEMENT PLAN - 1

VERIFY SCALE
BAR IS ONE INCH ON FULL SIZE DRAWING 0 1"

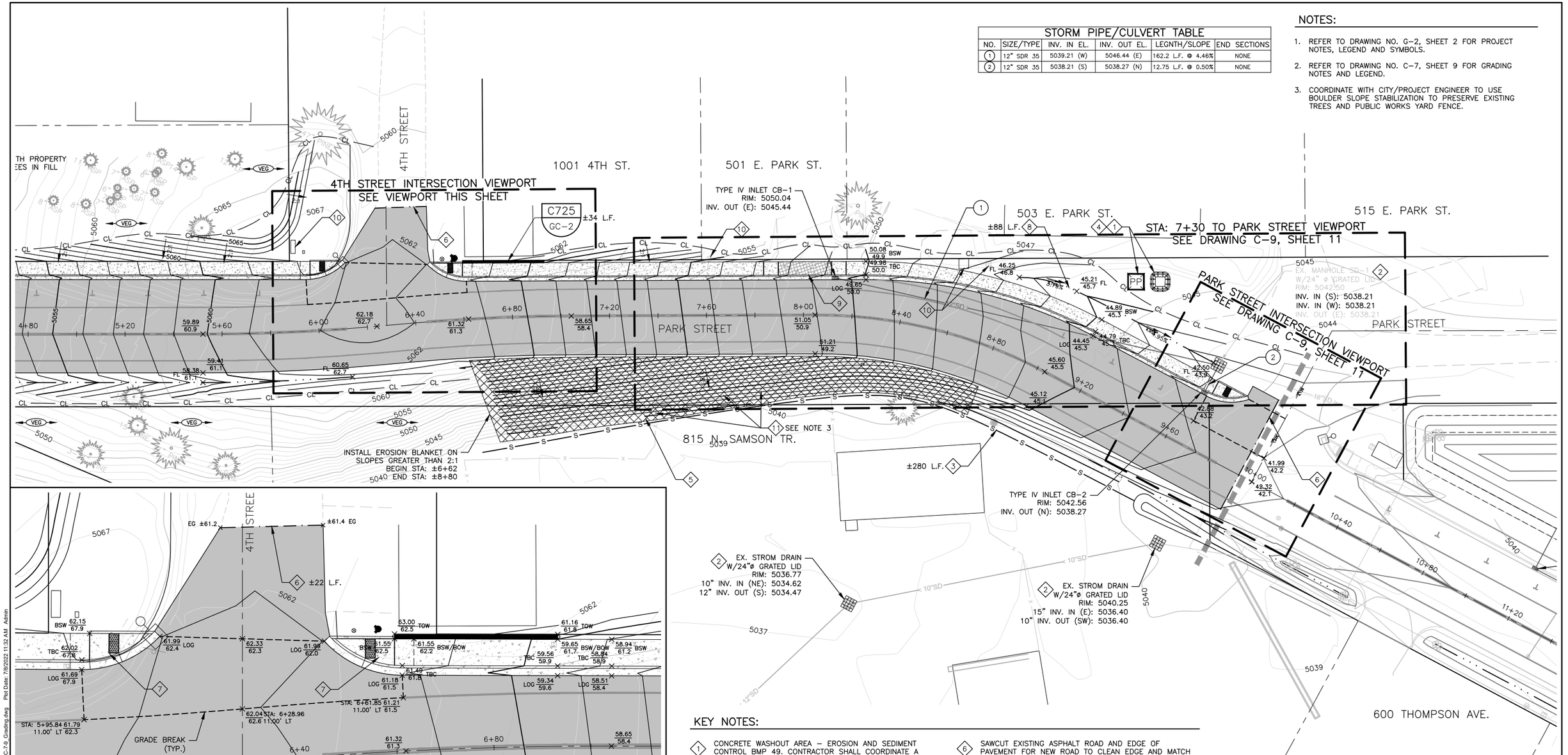
PROJECT	19038-004
DATE	7/8/2022
DRAWING NO.	C-7
SHEET NO.	9 OF 17

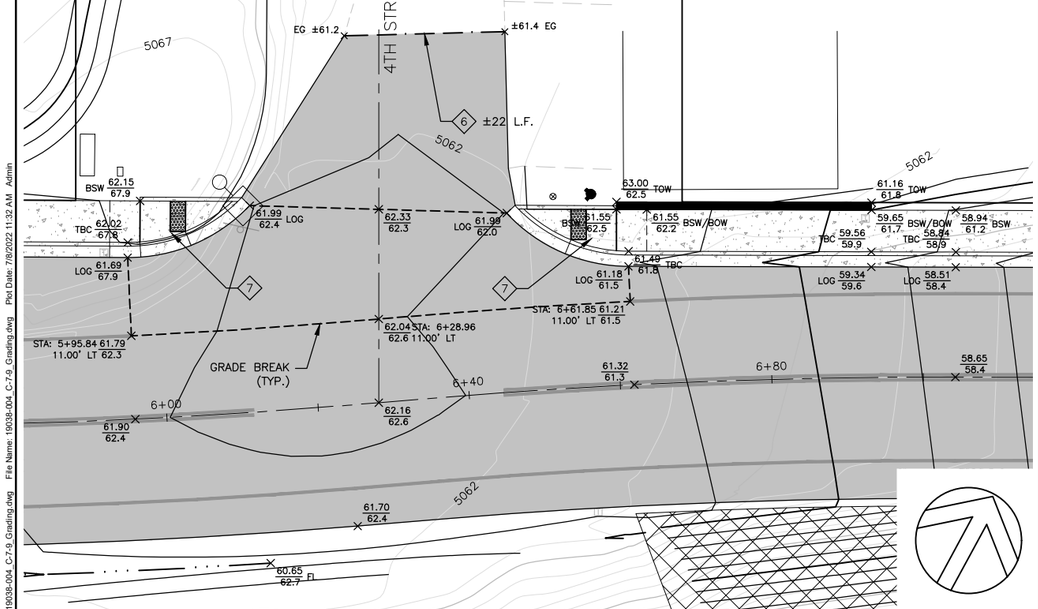
Path: M:\001\ID-City-McCall\19038\Civil\Dwg\CD\19038-004_C-7-9_Grading.dwg File Name: 19038-004_C-7-9_Grading.dwg Plot Date: 7/8/2022 11:31 AM Admin

STORM PIPE/CULVERT TABLE					
NO.	SIZE/TYPE	INV. IN EL.	INV. OUT EL.	LEGNTH/SLOPE	END SECTIONS
1	12" SDR 35	5039.21 (W)	5046.44 (E)	162.2 L.F. @ 4.46%	NONE
2	12" SDR 35	5038.21 (S)	5038.27 (N)	12.75 L.F. @ 0.50%	NONE

NOTES:

1. REFER TO DRAWING NO. G-2, SHEET 2 FOR PROJECT NOTES, LEGEND AND SYMBOLS.
2. REFER TO DRAWING NO. C-7, SHEET 9 FOR GRADING NOTES AND LEGEND.
3. COORDINATE WITH CITY/PROJECT ENGINEER TO USE BOULDER SLOPE STABILIZATION TO PRESERVE EXISTING TREES AND PUBLIC WORKS YARD FENCE.





4TH STREET INTERSECTION
SCALE: 1" = 10'

KEY NOTES:

1. CONCRETE WASHOUT AREA – EROSION AND SEDIMENT CONTROL BMP 49. CONTRACTOR SHALL COORDINATE A SUITABLE LOCATION FOR WASHOUT AREA WITH OWNER'S CONSTRUCTION MANAGER DURING THE COURSE OF THE PROJECT.
2. STORMDRAIN INLET PROTECTION – EROSION AND SEDIMENT CONTROL BMP 74.
3. SILT FENCE PROTECTION – EROSION AND SEDIMENT CONTROL BMP 65.
4. LOCATE PORTA POTTY AWAY FROM DRIVEWAY/PARKING LOT TO PREVENT SEWAGE SPILL. CONTRACTOR TO DETERMINE SUITABLE LOCATION.
5. INSTALL EROSION CONTROL BLANKET WHEN WORKING ON SLOPES GREATER THAN 2:1. SEE EROSION AND SEDIMENT CONTROL BMP – 2 FOR ADDITION INFORMATION.
6. SAWCUT EXISTING ASPHALT ROAD AND EDGE OF PAVEMENT FOR NEW ROAD TO CLEAN EDGE AND MATCH PAVEMENT, LENGTH AS SPECIFIED ON PLANS (INCIDENTAL TO ITEM 201.4.1.D.1).
7. PEDESTRIAN RAMP TYPE "C3" FOR NEW DEVELOPMENT PER ISPWC STANDARD DRAWING SD-712C.
8. GRAVEL DRAINAGE SWALE 6" DEEP WITH 12:1 SIDE SLOPES FROM BACK OF SIDEWALK TO EXISTING GRADE.
9. CONCRETE DRIVEWAY APPROACH WITH RAMPED SIDEWALK PER ISPWC SD-710B.
10. RETAIN/PROTECT EXISTING UTILITY/SIGN/WATER METER.
11. COORDINATE WITH THE CITY OF McCALL FOR RELOCATION OF PUBLIC WORKS YARD FENCE AND GRADING OUTSIDE THE RIGHT-OF-WAY.

NORTH

0 10 20 40 60

SCALE: 1" = 20'

NO.	REVISION	BY	DATE
1.	BID PLAN SET	BEJ	3/24/2022
2.	ISSUE FOR CONSTRUCTION	BEJ	7/8/2022

DESIGN: BEJ/GTT
DRAWN: BEJ
CHECKED: GTT
APPROVED: GTT

PROFESSIONAL ENGINEER REGISTERED 12779 STATE OF IDAHO GREGG TANKERSLEY 7/8/22

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City of McCall

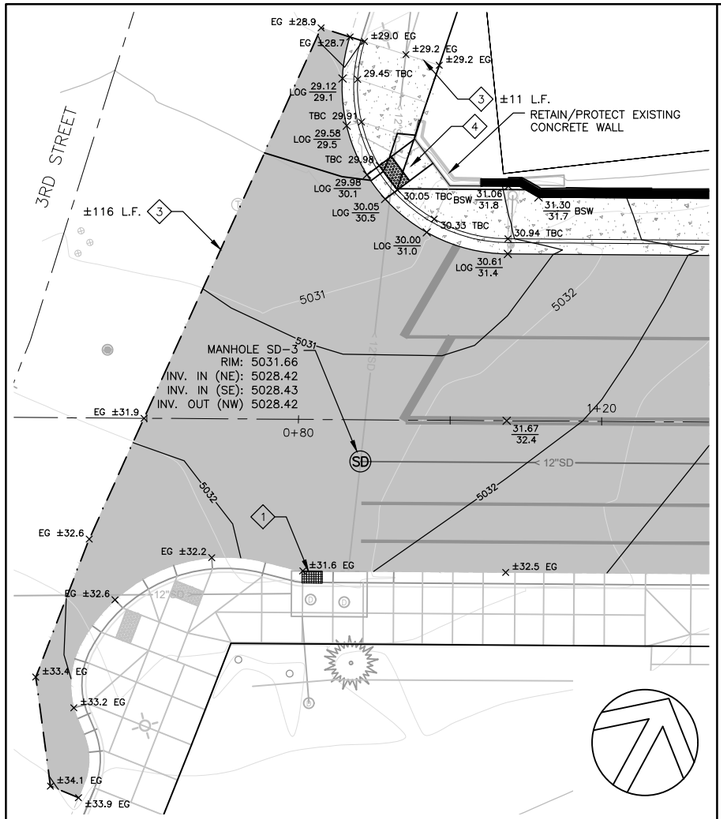
CITY OF McCALL
VALLEY COUNTY, IDAHO

PARK STREET AND THOMPSON AVENUE RECONSTRUCTION - PHASE 2
GRADING, DRAINAGE AND STORMWATER MANAGEMENT PLAN - 2

VERIFY SCALE
BAR IS ONE INCH ON FULL SIZE DRAWING (0 — 1")

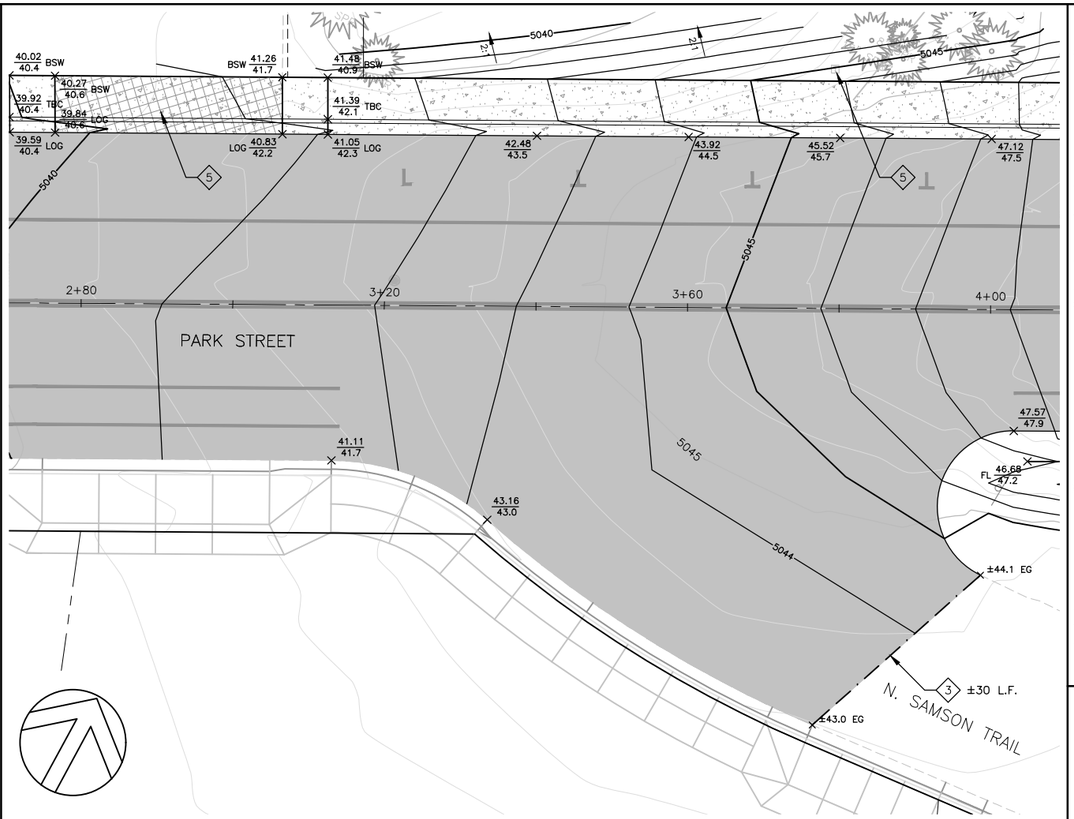
PROJECT	19038-004
DATE	7/8/2022
DRAWING NO.	C-8
SHEET NO.	10 OF 17

Path: M:\001\IID-City-McCall\19038\Civil\Dwg\CD\19038-004_C-7-9_Grading.dwg File Name: 19038-004_C-7-9_Grading.dwg Plot Date: 7/8/2022 11:32 AM Admin



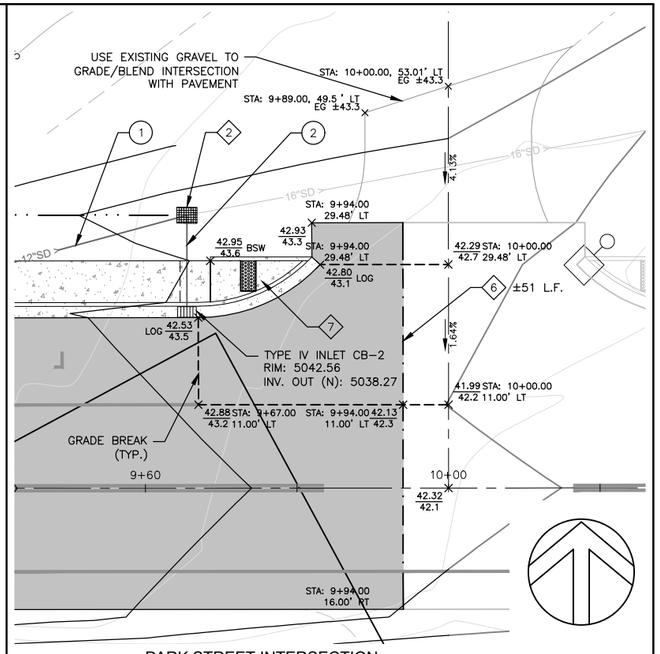
3RD STREET INTERSECTION

SCALE: 1" = 10'



SAMSON TRAIL INTERSECTION

SCALE: 1" = 10'

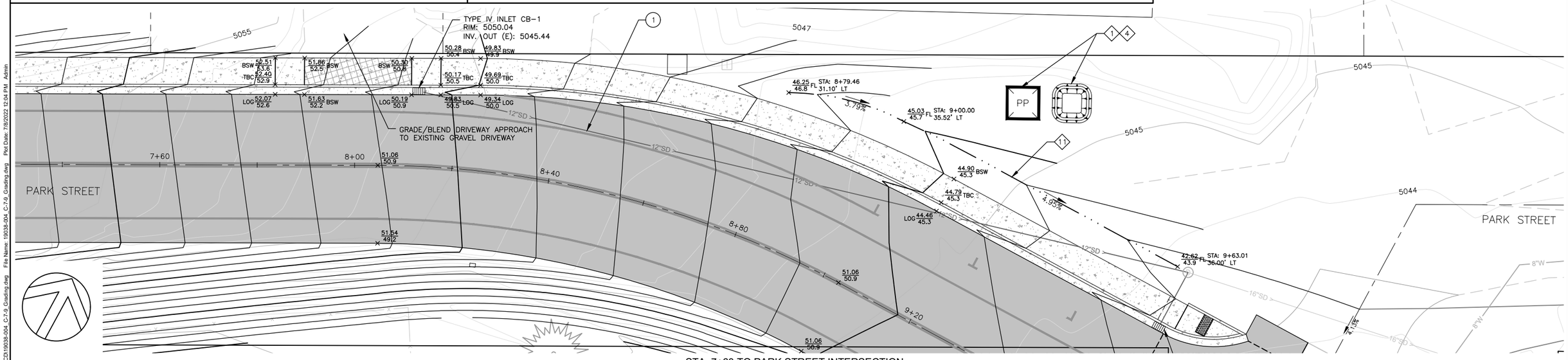


PARK STREET INTERSECTION

SCALE: 1" = 10'

NOTES:

1. REFER TO DRAWING NO. G-2, SHEET 2 FOR PROJECT NOTES, LEGEND AND SYMBOLS.
2. REFER TO VIEW PORT DRAWING NO. AND SHEET FOR GRADING NOTES, KEYNOTES, STORM PIPE/CULVERT TABLE AND LEGEND.



STA: 7+60 TO PARK STREET INTERSECTION

SCALE: 1" = 10'

NO.	REVISION	BY	DATE
1.	BID PLAN SET	BEJ	3/24/2022
2.	ISSUE FOR CONSTRUCTION (403 E. PARK ST. DRIVEWAY MODIFICATIONS)	BEJ	7/8/2022

DESIGN	BEJ/GTT
DRAWN	BEJ
CHECKED	GTT
APPROVED	GTT

PROFESSIONAL ENGINEER REGISTERED 12779 STATE OF IDAHO GREGG TANKERSLEY 7/8/22

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City of McCall

CITY OF McCALL
VALLEY COUNTY, IDAHO

PARK STREET AND THOMPSON AVENUE RECONSTRUCTION - PHASE 2
GRADING, DRAINAGE AND STORMWATER MANAGEMENT PLAN - 3

VERIFY SCALE
BAR IS ONE INCH ON FULL SIZE DRAWING
0 1"

PROJECT	19038-004
DATE	7/8/2022
DRAWING NO.	C-9
SHEET NO.	11 OF 17

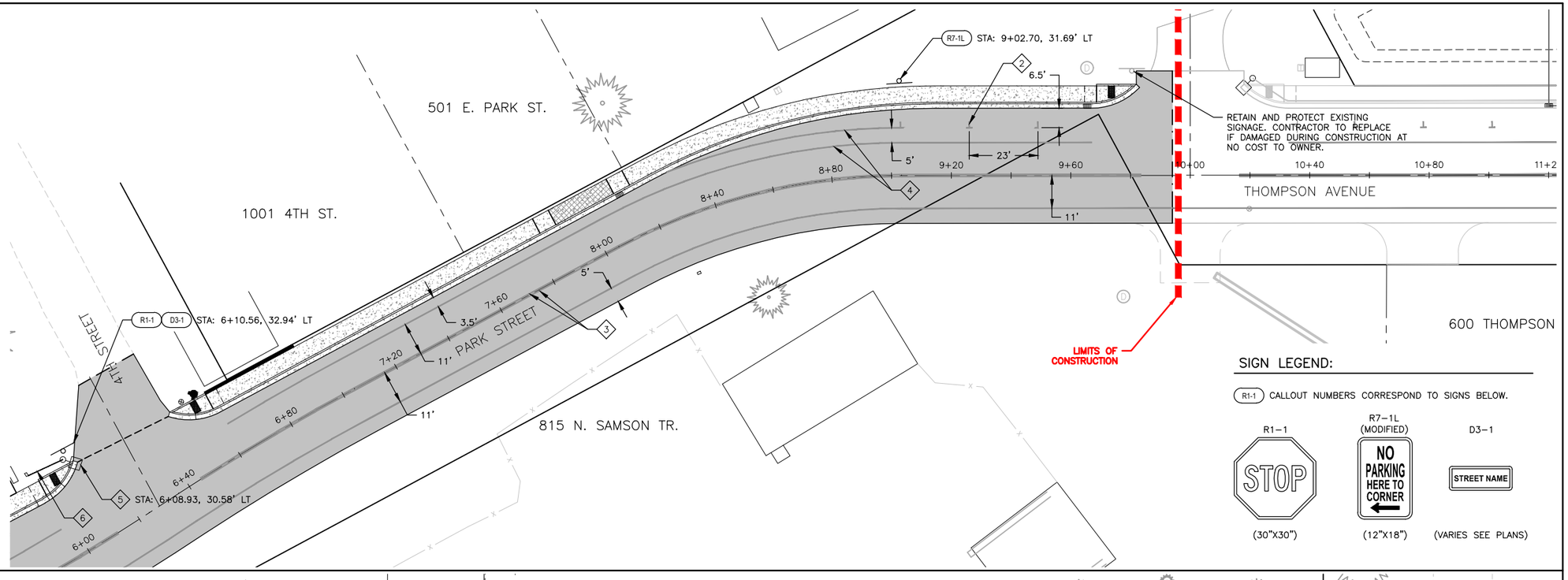
Path: M:\0011\ID-City-McCall\19038\Civil\Dwg\CD\19038-004_C-7-9_Grading.dwg File Name: 19038-004_C-7-9_Grading.dwg Plot Date: 7/8/2022 12:04 PM Admin

NOTES:

1. REFER TO DRAWING NO. G-1, SHEET 1 FOR PROJECT NOTES, LEGEND AND SYMBOLS.

KEYNOTES:

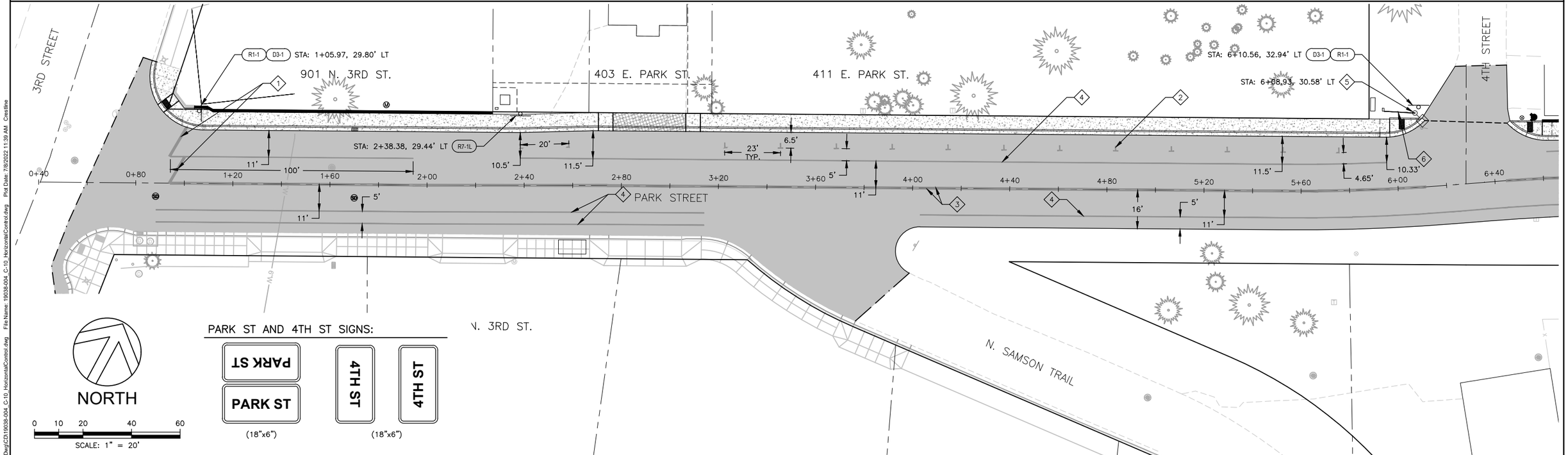
1. 12" WIDE SOLID WHITE STOP BAR PAVEMENT MARKINGS PER MUTCD SECTION 3B.16.
2. ON STREET PARKING MARKINGS PER MUTCD SECTION 3B.19.
3. 4" WIDE DOUBLE SOLID YELLOW LINE PER MUTCD SECTION 3B.01.
4. 4" WIDE SOLID WHITE LINE PER MUTCD SECTION 3B.01.
5. STREET LIGHTS (FIXTURES) SHALL BE DARK BRONZE IN COLOR AND MANUFACTURED BY EATON/STREETWORKS PART NO. USSL-A02-D-U-T3-SA-BZ-4N7-HS-VERD. STREET LIGHT POLES SHALL BE 20' IN HEIGHT, 4" SQUARE, NON-TAPERED, WITH 11 GAUGE STEEL COATED WITH DARK BRONZE CORROSION RESISTANT POLYESTER POWDER COATING AND MANUFACTURED BY LITHONIA LIGHTING OR US ARCHITECTURAL PER CITY OF McCALL STANDARDS.
6. ELECTRICAL CONDUIT FOR STREET LIGHT SHALL HAVE 30" MIN. COVER FROM FINISHED GRADE. CONDUIT TO BE LOCATED DIRECTLY BEHIND PROPOSED CURB WHERE INDICATED.



SIGN LEGEND:

R1-1 CALLOUT NUMBERS CORRESPOND TO SIGNS BELOW.

R1-1	R7-1L (MODIFIED)	D3-1
STOP	NO PARKING HERE TO CORNER	STREET NAME
(30"X30")	(12"X18")	(VARIES SEE PLANS)



NORTH

0 10 20 40 60

SCALE: 1" = 20'

PARK ST AND 4TH ST SIGNS:

PARK ST	PARK ST	4TH ST	4TH ST
(18"x6")		(18"x6")	

NO.	REVISION	BY	DATE
1.	BID PLAN SET	BEJ	3/24/2022
2.	ISSUE FOR CONSTRUCTION (403 E. PARK ST. DRIVEWAY MODIFICATIONS)	BEJ	7/8/2022

DESIGN BEJ/GTT
DRAWN AMD
CHECKED GTT
APPROVED GTT

PROFESSIONAL ENGINEER REGISTERED 12779 STATE OF IDAHO GREGG TANKERSLEY 7/8/22

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City of McCall

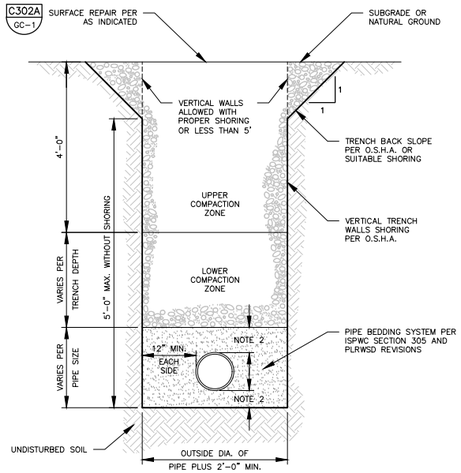
CITY OF McCALL
VALLEY COUNTY, IDAHO

PARK STREET AND THOMPSON AVENUE RECONSTRUCTION - PHASE 2
SIGNAGE, STRIPING AND LIGHTING IMPROVEMENTS

VERIFY SCALE
BAR IS ONE INCH ON FULL SIZE DRAWING 0 1"

PROJECT	19038-004
DATE	7/8/2022
DRAWING NO.	C-10
SHEET NO.	12 OF 17

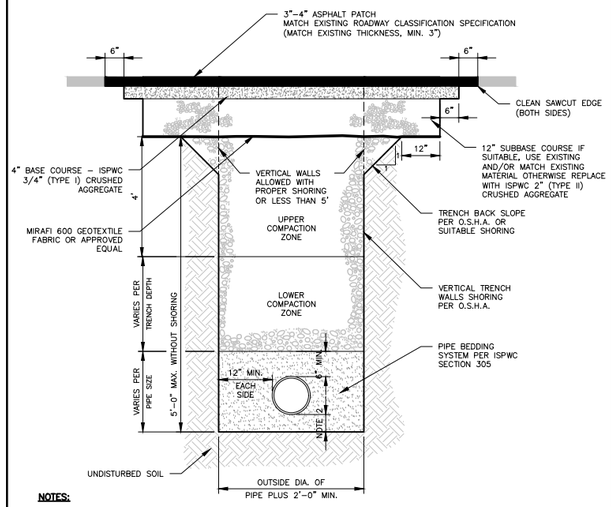
Path: M:\0011\IID-City-McCall\19038\Civil\Dwg\CD\19038-004_C-10_HorizontalControl.dwg File Name: 19038-004_C-10_HorizontalControl.dwg Plot Date: 7/8/2022 11:39 AM Crestline



NOTES:

1. TRENCH EXCAVATION PER ISPWC SECTION 301.
2. PIPE BEDDING PER ISPWCTION 305 AND PLRWSD REVISIONS. FOR SEWER MAIN LINES AND SERVICES USE CLASS A-1 BEDDING SYSTEM AMENDED TO REQUIRE BEDDING EIGHT (8") INCHES BELOW THE BOTTOM AND ABOVE THE TOP PIPE PER PLRWSD REQUIREMENT. FOR WATER MAIN LINES AND SERVICES USE CLASS B-2 BEDDING SYSTEM DURING NORMAL CONDITIONS AND CLASS A-1 BEDDING SYSTEM WHEN GROUNDWATER IS OBSERVED IN THE TRENCH DURING EXCAVATION.
3. BACKFILL AND COMPACTION PER ISPWC SECTION 306.
4. REFER TO ISPWC SECTION 304 FOR ADDITIONAL INFORMATION ON TRENCH FOUNDATION STABILIZATION IF NECESSARY FOR PROJECT CONSTRUCTION.
5. SURFACE REPAIR AND BASE PER ISPWC SECTION 307 AND CIVIL TYPICAL DETAIL C306.

C302 TYP — TYPICAL TRENCH
NOT TO SCALE



NOTES:

1. TRENCH EXCAVATION PER ISPWC SECTION 301.
2. PIPE BEDDING PER ISPWC SECTION 305.
3. BACKFILL AND COMPACTION PER ISPWC SECTION 306.
4. REFER TO ISPWC SECTION 304 FOR ADDITIONAL INFORMATION ON TRENCH FOUNDATION STABILIZATION IF NECESSARY FOR PROJECT CONSTRUCTION.
5. STREET CUTS AND SURFACE REPAIRS PER ISPWC SECTION 307 UNLESS OTHERWISE SHOWN IN THIS DETAIL.
6. ASPHALT CUTS AND PATCHES WILL NOT BE ALLOWED WITHIN THE WHEEL PATHS WITHOUT PRIOR WRITTEN APPROVAL FROM THE CITY OF McCALL PUBLIC WORKS DEPARTMENT.
7. ALL WORKMANSHIP LOCATED WITHIN A CITY OF McCALL RIGHT-OF-WAY TO CARRY A 2-YEAR WARRANTY.

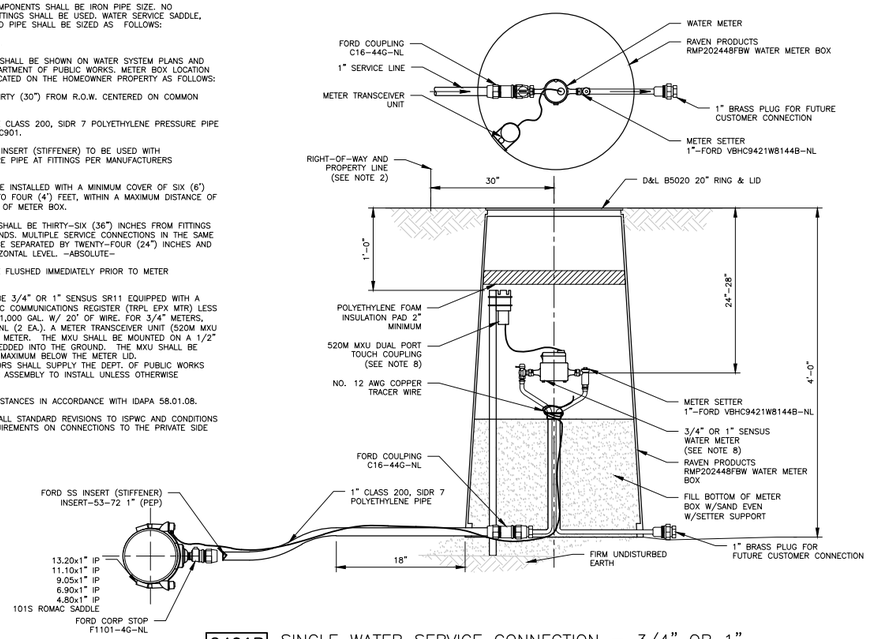
C306A TYP — CITY OF MCCALL ASPHALT SURFACE REPAIR
NOT TO SCALE

NOTES:

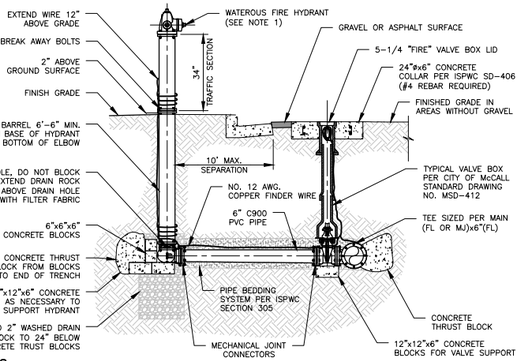
1. ALL WATER SERVICE COMPONENTS SHALL BE IRON PIPE SIZE. NO GALVANIZED PIPE OR FITTINGS SHALL BE USED. WATER SERVICE SADDLE, CORPORATION STOP, AND PIPE SHALL BE SIZED AS FOLLOWS:

   A. SINGLE SERVICE: 1".
2. METER BOX LOCATIONS SHALL BE SHOWN ON WATER SYSTEM PLANS AND APPROVED BY THE DEPARTMENT OF PUBLIC WORKS. METER BOX LOCATION GENERALLY WILL BE LOCATED ON THE HOMEOWNER PROPERTY AS FOLLOWS:

   A. SINGLE SERVICE: THIRTY (30") FROM R.O.W. CENTERED ON COMMON PROPERTY LINE.
3. SERVICE PIPE SHALL BE CLASS 200, SIDR 7 POLYETHYLENE PRESSURE PIPE CONFORMING TO AWWA C901.
4. FORD STAINLESS STEEL INSERT (STIFFENER) TO BE USED WITH POLYETHYLENE PRESSURE PIPE AT FITTINGS PER MANUFACTURERS RECOMMENDATIONS.
5. SERVICE LINES SHALL BE INSTALLED WITH A MINIMUM COVER OF SIX (6') FEET AND SHALL RISE TO FOUR (4') FEET, WITHIN A MAXIMUM DISTANCE OF EIGHTEEN (18") INCHES OF METER BOX.
6. SERVICE CONNECTIONS SHALL BE THIRTY-SIX (36") INCHES FROM FITTINGS OR WATER MAIN PIPE ENDS. MULTIPLE SERVICE CONNECTIONS IN THE SAME JOINT OF PIPE SHALL BE SEPARATED BY TWENTY-FOUR (24") INCHES AND NOT IN THE SAME HORIZONTAL LEVEL. -ABSOLUTE-
7. SERVICE PIPE SHALL BE FLUSHED IMMEDIATELY PRIOR TO METER INSTALLATION.
8. WATER METERS SHALL BE 3/4" OR 1" SENSUS SR11 EQUIPPED WITH A WATERPROOF ELECTRONIC COMMUNICATIONS REGISTER (TRPL EPX MTR) LESS TOUCHPAD READING IN 1,000 GAL. W/ 20' OF WIRE. FOR 3/4" METERS, USE FORD PART #444-NL (2 EA.). A METER TRANSCEIVER UNIT (520M MXU DUAL PORT) WITH EACH METER. THE MXU SHALL BE MOUNTED ON A 1/2" DIAMETER CONDUIT EMBEDDED INTO THE GROUND. THE MXU SHALL BE POSITIONED 12 INCHES MAXIMUM BELOW THE METER LID. DEVELOPERS/CONTRACTORS SHALL SUPPLY THE DEPT. OF PUBLIC WORKS WITH THE WATER METER ASSEMBLY TO INSTALL UNLESS OTHERWISE DIRECTED.
9. MAINTAIN SEPARATION DISTANCES IN ACCORDANCE WITH IDAPA 58.01.08.
10. REFER TO CITY OF McCALL STANDARD REVISIONS TO ISPWC AND CONDITIONS SECTION 404 FOR REQUIREMENTS ON CONNECTIONS TO THE PRIVATE SIDE OF THE WATER METER.



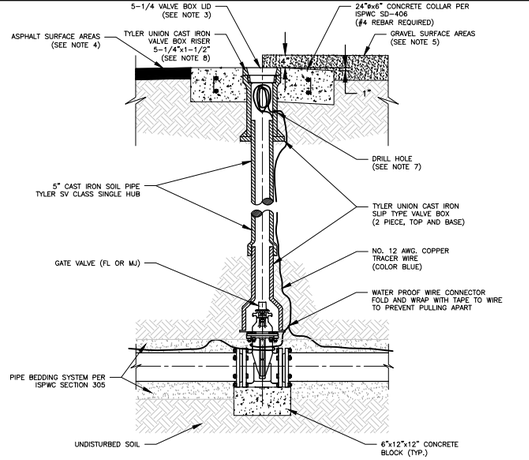
C401B TYP — SINGLE WATER SERVICE CONNECTION - 3/4" OR 1"
NOT TO SCALE



NOTES:

1. FIRE HYDRANT SHALL BE PACER 100 WITH A THIRTY-FOUR (34") INCH TRAFFIC SECTION, MADE BY WATEROUS CO. AND INSTALLED WITH THE FIRE HYDRANT HOSE ATTACHMENT FOUR (4') FEET ABOVE EXISTING GROUND. FIRE HYDRANT PAINT COLOR TO BE IN ACCORDANCE WITH LOCAL STANDARDS.
2. FINAL HYDRANT LOCATIONS SHALL BE FIELD APPROVED BY THE CITY OF McCALL AND McCALL FIRE PROTECTION DISTRICT PRIOR PRIOR TO INSTALLATION.
3. HYDRANT SHALL NOT BE PLACED CLOSER THAN TEN (10') FEET MINIMUM FROM SEWER, FIFTY (50') FEET MINIMUM FROM SEPTIC SYSTEMS AND TWENTY FIVE (25') FEET MINIMUM FROM SEEPAGE BEDS.
4. HYDRANT MUST BE INSTALLED ABOVE GROUNDWATER AND FINISHED GRADE TO SLOPE AWAY FROM STRUCTURE.
5. MINIMUM DISTANCE FROM THE FIRE HYDRANT TO THE FIRE HYDRANT GATE VALVE SHALL BE FIVE (5') FEET.
6. PLACE LOCATOR WIRE DIRECTLY ABOVE PIPE. SECURE FINDER WIRE UNDER (MJ) BOLT AT MAIN.
7. ALL JOINTS SHALL BE RESTRAINED. JOINT RESTRAINT DEVICES MAY BE USED AS AN ALTERNATE TO THRUST BLOCK WITH ENGINEER'S APPROVAL.
8. ALL ANCHORS AND BLOCKING TO BEAR AGAINST UNDISTURBED SOIL.
9. ALL AUXILIARY VALVES TO BE LOCATED AT THE TEE ON THE WATER MAIN AS SHOWN ON THIS DETAIL OR AS DIRECTED BY THE ENGINEER. WHERE EXISTING FITTINGS ARE NOT COMPATIBLE WITH NEW MAIN CONSTRUCTION, USE SUITABLE ADAPTERS OR NEW FITTINGS UPON APPROVAL BY THE ENGINEER.
10. IF WATER SERVICE TO HYDRANT IS TO COMMENCE PRIOR TO SETTING OF CONCRETE THRUST BLOCKING, USE A COMBINATION OF CONCRETE AND UNI-FLANGE SERIES 1300 JOINT RESTRAINT.
11. HYDRANTS THAT ARE TO BE RELOCATED AS CALLED FOR ON THE PLAN VIEW SHALL BE REINSTALLED IN ACCORDANCE WITH THIS DETAIL LOCATION TO BE SET IN ACCORDANCE WITH LOCAL STANDARDS OR AS DIRECTED BY THE ENGINEER.

C408 TYP — FIRE HYDRANT INSTALLATION
NOT TO SCALE

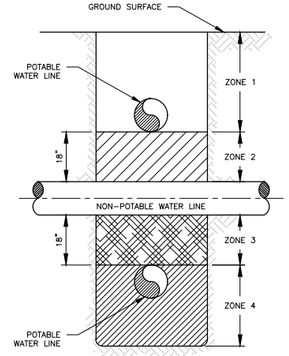


SECTION
N.T.S.

NOTES:

1. ALL GATE VALVES SHALL BE NON-RISING STEM RESILIENT SEATED GATE VALVES MEETING ANSI/AWWA C515 FOR WATER SUPPLY SERVICE.
2. CLEAN VALVE BOX OF ALL DEBRIS AND SOIL.
3. ALL VALVE BOX LIDS TO BE 5 1/4" DROP LIDS. ALL WATER VALVE BOX LIDS TO BE STAMPED "WATER" AND ALL FIRE VALVE BOX LIDS TO BE STAMPED "FIRE".
4. FOR ASPHALT SURFACE, CONCRETE COLLAR TO BE 1/4" BELOW FINISHED GRADE.
5. FOR GRAVEL ROADWAY SURFACE, CONCRETE COLLAR TO BE 4" BELOW FINISHED GRADE AND SLOPED AWAY FROM VALVE BOX LID SO THAT OUTSIDE EDGE IS 1" LOWER.
6. VALVE BOXES OUTSIDE OF PAVED OR GRAVEL ROADWAYS SHALL HAVE A CONCRETE COLLAR POURED TO BE FLUSH WITH FINISHED GRADE.
7. DRILL 7/8" HOLE IN TOP PORTION OF VALVE BOX. PLACE PCV VALVE GROMMET INTO HOLE AND ROUTE TRACER WIRE THROUGH HOLE.
8. TYLER UNION CAST IRON RISER IS NOT TO BE USED WITHIN STATE HIGHWAYS. ONLY FOR USE WITHIN CITY OF McCALL ROADWAYS.

C412 TYP — STANDARD VALVE BOX INSTALLATION
NOT TO SCALE



VERTICAL SEPARATION REQUIREMENTS

ZONE 1: A) WATER AND NPWL MUST BE SEPARATED BY AT LEAST 18" AND B) ONE FULL, UNCUT LENGTH OF BOTH PWL AND NPWL PIPE MUST BE CENTERED ON THE CROSSING SO THAT THE JOINTS ARE AS FAR AS POSSIBLE FROM THE CROSSING.

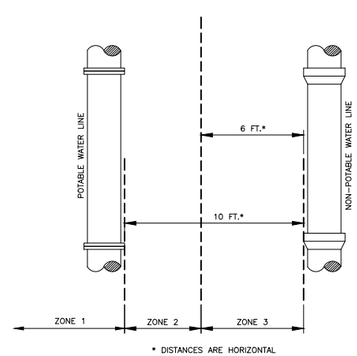
ZONE 2: A) ONE FULL, UNCUT LENGTH OF BOTH PWL AND NPWL PIPE MUST BE CENTERED ON THE CROSSING SO THAT THE JOINTS ARE AS FAR AS POSSIBLE FROM THE CROSSING.

AND EITHER B) NPWL MUST BE CONSTRUCTED TO WATER MAIN STANDARDS AND PRESSURE TESTED FOR WATER TIGHTNESS FOR A HORIZONTAL DISTANCE OF 10 FEET ON BOTH SIDES OF CROSSING.

OR C) EITHER THE NPWL OR WATER LINE OR BOTH MUST BE ENCASED WITH A SLEEVING MATERIAL ACCEPTABLE TO DEQ FOR A HORIZONTAL DISTANCE OF 10 FEET ON BOTH SIDES OF THE CROSSING.

ZONE 3: A) SAME REQUIREMENTS AS ZONE 2 EXCEPT THE NPWL MUST ALSO BE SUPPORTED ABOVE THE CROSSING TO PREVENT SETTLING.

ZONE 4: A) SAME REQUIREMENTS AS ZONE 1 EXCEPT THE NPWL MUST ALSO BE SUPPORTED ABOVE THE CROSSING TO PREVENT SETTLING.



* DISTANCES ARE HORIZONTAL

HORIZONTAL SEPARATION REQUIREMENTS

ZONE 1: A) NO SPECIAL REQUIREMENTS.

ZONE 2: A) NO SPECIAL REQUIREMENTS FOR POTABLE OR NON-POTABLE SERVICES.

B) WATER AND NPWL SEPARATED BY AT LEAST 6 FEET AT OUTSIDE WALLS.

AND C) WATER AT LEAST 18 INCHES HIGHER IN ELEVATION THAN THE NPWL.

AND EITHER D) NPWL CONSTRUCTED TO WATER MAIN STANDARDS AND PRESSURE TESTED FOR WATER TIGHTNESS.

OR E) SITE SPECIFIC REQUIREMENTS APPROVED BY DEQ.

ZONE 3: A) NOT ALLOWED WITHOUT DEQ WAIVER.

NOTES:

1. SANITARY SEWAGE FORCE MAINS MUST HAVE MIN. 10' HORIZONTAL SEPARATION AND 18" VERTICAL SEPARATION. ZONE 2 AND ZONE 3 PLACEMENTS ARE NOT ALLOWED WITHOUT A WAIVER GRANTED BY DEQ.

C414 TYP — POTABLE/NOT-POTABLE WATER LINE (NPWL) SEPARATION
NOT TO SCALE

NO.	REVISION	BY	DATE
1.	BID PLAN SET	BEJ	3/24/2022
2.	ISSUE FOR CONSTRUCTION	BEJ	7/8/2022

DESIGN BEJ/GTT
DRAWN BEJ/AMD
CHECKED GTT
APPROVED GTT

PROFESSIONAL ENGINEER REGISTERED 12779 STATE OF IDAHO GREGG TANKERSLEY 7/8/22

CRESTLINE ENGINEERS
323 DEINHARD LANE, SUITE C · PO BOX 2330
McCALL, IDAHO 83638
208.634.4140 · 208.634.4146 FAX

City of McCall

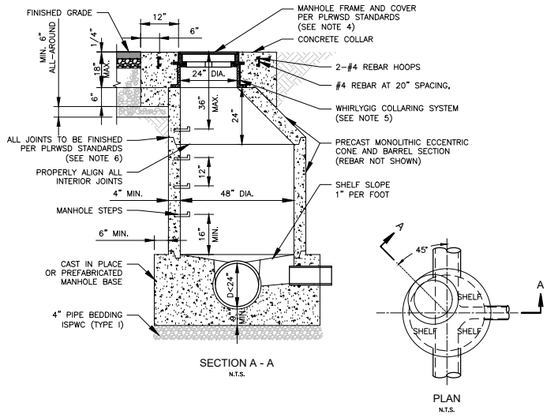
CITY OF McCALL
VALLEY COUNTY, IDAHO

PARK STREET AND THOMPSON AVENUE RECONSTRUCTION - PHASE 2
CIVIL TYPICAL DEATILS - 1

VERIFY SCALE
BAR IS ONE INCH ON FULL SIZE DRAWING (0 — 1")

PROJECT 19038-004
DATE 7/8/2022
DRAWING NO. GC-1
SHEET NO. 13 OF 17

Path: M:\0011\IID-City-McCall\19038\Civil\Dwg\CD\19038-004_GC-1-5.dwg File Name: 19038-004_GC-1-5.dwg Plot Date: 7/8/2022 10:17 AM Crestline



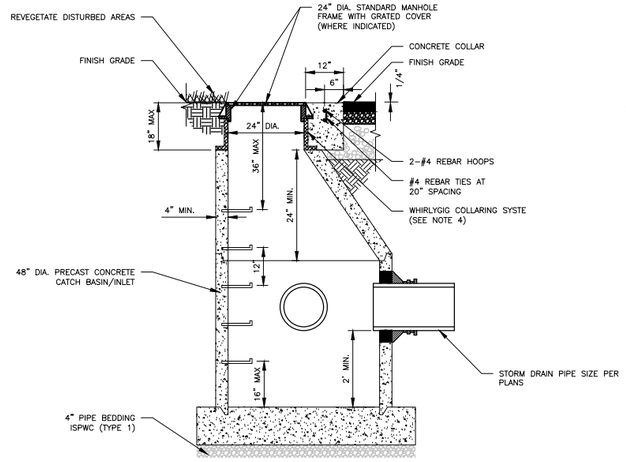
SECTION A - A
N.T.S.

PLAN
N.T.S.

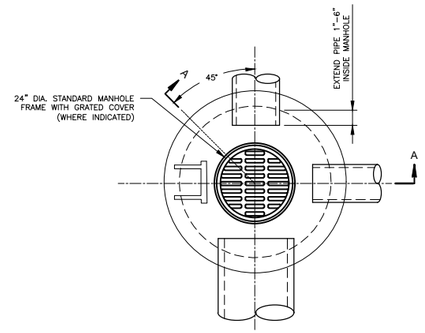
NOTES:

1. OPTIONAL PREFABRICATED MANHOLE BASE WITH APPROVED PIPE CONNECTIONS MAY BE USED WITH ENGINEERS APPROVAL.
2. PLACE VERTICAL WALL ON UPSTREAM SIDE OF MANHOLE, ROTATED 45 DEGREES.
3. WHERE PVC PIPE IS UTILIZED, INSTALL A RUBBER RING OR GASKET COLLAR WHERE THE PIPE IS IN CONTACT WITH MANHOLE BASE AND/OR MANHOLE CHANNEL, IN ORDER TO INSURE A WATERTIGHT SEAL.
4. ALL MANHOLES TO HAVE CAST-IRON DUST PANS CONSTRUCTED WITH INTEGRAL MACHINED FLANGES CAST INTO THE FRAME. DUST PANS TO HAVE A RAISED DRAIN HOLE AND WIRE LIFTING STRAP. MANHOLE COVER TO BE STAMPED "PLWSD SEWER". FRAMES, COVERS, AND DUSTPANS TO BE MANUFACTURED BY KITS FOUNDRY & MACHINE, INC. (208-357-7773).
5. "WHIRLYGIG" COLLARING SYSTEM REQUIRED ON ALL MANHOLES IN PLACE OF CONCRETE GRADE RINGS. JOINT BETWEEN WHIRLYGIG COLLARING SYSTEM (BOTTOM OF PLASTIC FLANGE) AND TOP OF MANHOLE CONE SHALL BE SEALED WITH "VULKEM 116" HIGH-PERFORMANCE POLYURETHANE SEALANT.
6. ALL MANHOLE JOINTS TO INCLUDE CON-SEAL "CS-102 BUTYL RUBBER SEALANT," "VULKEM 116" HIGH-PERFORMANCE POLYURETHANE SEALANT, AND BE GROUTED (INSIDE & OUT) USING DAYTON 1107 ADVANTAGE, SPECCHEM SC MULTIPURPOSE GROUT, OR EQUAL APPROVED BY PLRWSD. EXTERIOR MANHOLE JOINTS TO BE COVERED WITH NINE (9") INCH WIDE INFI-SHIELD GATER WRAP AFTER GROUTING.
7. PROVIDE MANHOLE CONCRETE REINFORCING TO ACCOMMODATE TRAFFIC LOADS.

C501 TYP PLRWSD – STANDARD MANHOLE
NOT TO SCALE



SECTION A - A
N.T.S.

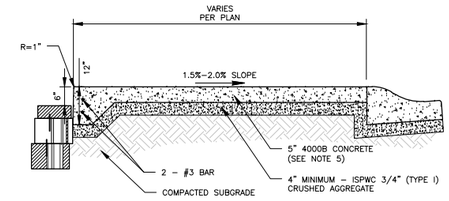


PLAN
N.T.S.

NOTES:

1. OPTIONAL PREFABRICATED MANHOLE BASE WITH APPROVED PIPE CONNECTION MAY BE USED WITH ENGINEERS APPROVAL.
2. PLACE VERTICAL WALL ON UPSTREAM SIDE OF MANHOLE, ROTATED 45 DEGREES.
3. WHERE PVC PIPE IS UTILIZED, INSTALL A RUBBER RING OR GASKET COLLAR WHERE THE PIPE IS IN CONTACT WITH THE MANHOLE BASE AND/OR MANHOLE CHANNEL, IN ORDER TO INSURE A WATERTIGHT SEAL.
4. "WHIRLYGIG" COLLARING SYSTEM REQUIRED ON ALL MANHOLES IN PLACE OF CONCRETE GRADE RINGS. JOINT BETWEEN WHIRLYGIG COLLARING SYSTEM (BOTTOM OF PLASTIC FLANGE) AND TOP OF MANHOLE CONE SHALL BE SEALED WITH "VULKEM 116" HIGH-PERFORMANCE POLYURETHANE SEALANT.
5. ALL MANHOLE JOINTS TO INCLUDE CON-SEAL "CS-320 MASTIC AND BE GROUTED (INSIDE & OUT) USING QUIKRETE "NON-SHRINK GENERAL PURPOSE GROUT", EXTERIOR MANHOLE JOINS TO BE COVERED WITH PRESS SEAL "EZ-WRAP" BUTYL ADHESIVE TAPE AFTER GROUTING. PRIME JOINT SURFACE USING A SPRAY ADHESIVE PRIOR TO EZ-WRAP APPLICATION.
6. PROVIDE MANHOLE CONCRETE REINFORCING TO ACCOMMODATE TRAFFIC LOADS. MANHOLE STRUCTURE, FRAME AND LID SHALL BE CONSTRUCTED TO SUPPORT H-20 TRAFFIC LOADING.

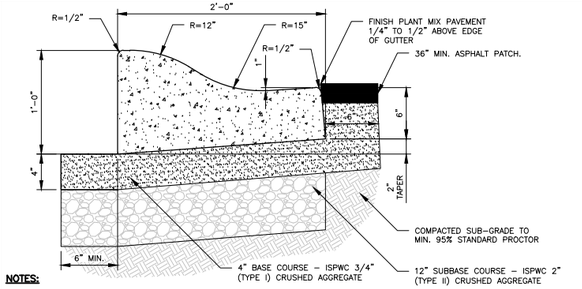
C613 TYP STANDARD 48" CATCH MANHOLE
NOT TO SCALE



NOTES:

1. ALL MATERIALS AND CONSTRUCTION SHALL BE PER ISPWC SPECIFICATIONS.
2. CURB AND GUTTER CONCRETE MIX DESIGN TO BE CLASS 4000A WITH 3/4" AGGREGATE IN ACCORDANCE WITH ISPWC SECTION 703, CAST-IN-PLACE CONCRETE, TABLE 1. ALL OTHER CONCRETE (I.E. SIDEWALK, APPROACHES AND RAMPS) TO BE CLASS 4000B WITH 3/4" AGGREGATE IN ACCORDANCE WITH ISPWC SECTION 703, CAST-IN-PLACE CONCRETE, TABLE 1.
3. MICRO-SYNTHETIC FIBERS SHALL BE FIBERMESH OR APPROVED EQUIVALENT. LENGTH OF FIBERS SHALL BE AS RECOMMENDED BY THE MANUFACTURER. ADD 1.5 POUNDS OF FIBERMESH OR APPROVED EQUIVALENT PER CUBIC YARD OF CONCRETE, OR AS RECOMMENDED BY MANUFACTURER. REFER TO THE ITD AND ISPWC STANDARD DETAIL FOR ADDITIONAL INFORMATION PERTAINING TO CONCRETE REINFORCEMENT AND CONSTRUCTION JOINT/SCORE INTERVALS.
4. ALL CONCRETE FLATWORK SHALL NOT BE TROWELED; USE SCREED, FLOAT AND BROOM.
5. ALL SIDEWALKS SHALL BE FIVE (5") INCHES THICK WITH A MINIMUM OF FOUR (4") INCHES OF COMPACTED 3/4" MINUS AGGREGATE BASE. COMPACT TO MIN. 95% OF STANDARD PROCTOR.
6. SCORE INTERVALS PERPENDICULAR TO CURB TO MATCH WIDTH OF SIDEWALK NOT TO EXCEED FIVE (5') FEET SPACING. SIDEWALKS GREATER THAN FIVE (5') FEET IN WIDTH TO BE SCORED AT HALF WIDTH PARALLEL TO CURB AS WELL.
7. ALL STANDARD URBAN APPROACH RAMPS AND FLARES SHALL CONFORM TO ISPWC SD-710, SD-710A, SD-710B, OR SD-710C AND HAVE MINIMUM CONCRETE THICKNESS OF SIX (6") INCHES AND MINIMUM COMPACTED AGGREGATE BASE OF FOUR (4") INCHES.
8. CONTRACTOR TO SEAL ALL CONCRETE WITH CURING AND PROTECTIVE SEALERS. CURING SEALER SHALL BE USED UPON COMPLETION OF CONCRETE PLACEMENT. A SILANE 40 OR APPROVED EQUAL PROTECTIVE SEALER SHALL ALSO BE APPLIED TO ALL FINISHED CONCRETE. CONTRACTOR TO COORDINATE WITH THE PROJECT ENGINEER TO ENSURE THAT ADEQUATE TIME HAS BEEN ALLOWED FOR THE CURING SEALER TO WEAR OFF AND THE PROTECTIVE SEALER TO CORRECTLY ADHERE TO THE CONCRETE SURFACE.
9. ALL CONCRETE WORK TO CARRY A 2-YEAR WARRANTY AGAINST SCALED OR SPALLED SURFACES IN EXCESS OF 5% OF SURFACE AREA PER 20 S.F. PER CITY OF McCALL STANDARDS.
10. ALL CONCRETE WORK TO CARRY A MINIMUM 2-YEAR WARRANTY AGAINST SCALED OR SPALLED SURFACES IN EXCESS OF 5% OF THE SURFACE AREA PER 20 S.F.
11. ALL WORKMANSHIP LOCATED WITHIN A CITY OF McCALL RIGHT-OF-WAY TO CARRY A 2-YEAR WARRANTY.

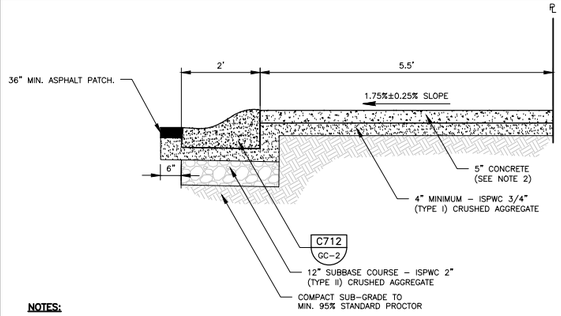
C710 TYP SIDEWALK WITH THICKENED EDGE
NOT TO SCALE



NOTES:

1. ALL MATERIALS AND CONSTRUCTION SHALL BE PER ISPWC SPECIFICATIONS.
2. GRADE AND ALIGNMENT TO BE ESTABLISHED OR APPROVED BY THE ENGINEER AND THE PUBLIC AGENCY HAVING JURISDICTION.
3. CURB AND GUTTER CONCRETE MIX DESIGN TO BE CLASS 4000A WITH 3/4" AGGREGATE IN ACCORDANCE WITH ISPWC SECTION 703, CAST-IN-PLACE CONCRETE, TABLE 1. ALL OTHER CONCRETE (I.E. SIDEWALK, APPROACHES AND RAMPS) TO BE CLASS 4000B WITH 3/4" AGGREGATE IN ACCORDANCE WITH ISPWC SECTION 703, CAST-IN-PLACE CONCRETE, TABLE 1.
4. MICRO-SYNTHETIC FIBERS SHALL BE FIBERMESH OR APPROVED EQUIVALENT. LENGTH OF FIBERS SHALL BE AS RECOMMENDED BY THE MANUFACTURER. ADD 1.5 POUNDS OF FIBERMESH OR APPROVED EQUIVALENT PER CUBIC YARD OF CONCRETE, OR AS RECOMMENDED BY MANUFACTURER.
5. ALL CONCRETE FLATWORK SHALL NOT BE TROWELED; USE SCREED, FLOAT AND BROOM.
6. CONTRACTOR TO SEAL ALL CONCRETE WITH CURING AND PROTECTIVE SEALERS. CURING SEALER SHALL BE USED UPON COMPLETION OF CONCRETE PLACEMENT. A SILANE 40 OR APPROVED EQUAL PROTECTIVE SEALER SHALL ALSO BE APPLIED TO ALL FINISHED CONCRETE. CONTRACTOR TO COORDINATE WITH THE PROJECT ENGINEER TO ENSURE THAT ADEQUATE TIME HAS BEEN ALLOWED FOR THE CURING SEALER TO WEAR OFF AND THE PROTECTIVE SEALER TO CORRECTLY ADHERE TO THE CONCRETE SURFACE.
7. BASE: FOUR (4") INCH COMPACTED DEPTH OF THREE-QUARTER (3/4") INCH MINUS CRUSHED AGGREGATE BASE MATERIAL PLACE AS SPECIFIED AND PAID UNDER ISPWC SECTION 802; COMPACTED TO MIN. 95% OF STANDARD PROCTOR.
8. ONE-HALF (1/2") INCH PREFORMED EXPANSION JOINT MATERIAL (AASHTO M 213) AT ALL COLD JOINTS.
9. CONTINUOUS PLACEMENT PREFERRED, SCORE INTERVALS AT TEN (10') FEET MAXIMUM SPACING (OR CONSISTENT WITH 2X SIDEWALK WIDTH FOR SCORE SPACING). SHORT SECTIONS OR NON-CONTINUOUS POURS TO UTILIZE REBAR REINFORCEMENT DOWELED INTO EXISTING/ADJACENT CURB.
10. BACKFILL AS PER ISPWC SECTION 706.
11. GUTTER PAN TO BE MODIFIED AT ALL ADA PEDESTRIAN RAMPS TO HAVE A MAXIMUM SLOPE OF 5.0% TRANSITION DISTANCE BACK TO STANDARD CURB & GUTTER TO BE A MINIMUM DISTANCE OF FIVE (5'-0") FEET. REFER TO ITD STANDARD DRAWING NO. H-1-B FOR DETAILS. IN ADDITION, ALL CURB RAMPS SHALL HAVE A TWENTY-FOUR (24") INCH DEEP STRIP OF DETECTABLE WARNING SURFACE ACROSS THE FULL WIDTH OF THE LOWER PART OF THE RAMP.
12. ALL CONCRETE WORK TO CARRY A MINIMUM 2-YEAR WARRANTY AGAINST SCALED OR SPALLED SURFACES IN EXCESS OF 5% OF THE SURFACE AREA PER 20 S.F.
13. ALL WORKMANSHIP LOCATED WITHIN A CITY OF McCALL RIGHT-OF-WAY TO CARRY A 2-YEAR WARRANTY.

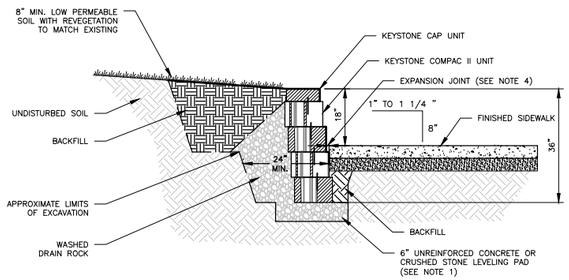
C712 TYP CITY OF McCALL – CURB AND GUTTER
NOT TO SCALE



NOTES:

1. ALL MATERIALS AND CONSTRUCTION SHALL BE PER ISPWC SPECIFICATIONS.
2. CURB AND GUTTER CONCRETE MIX DESIGN TO BE CLASS 4000A WITH 3/4" AGGREGATE IN ACCORDANCE WITH ISPWC SECTION 703, CAST-IN-PLACE CONCRETE, TABLE 1. ALL OTHER CONCRETE (I.E. SIDEWALK, APPROACHES AND RAMPS) TO BE CLASS 4000B WITH 3/4" AGGREGATE IN ACCORDANCE WITH ISPWC SECTION 703, CAST-IN-PLACE CONCRETE, TABLE 1.
3. MICRO-SYNTHETIC FIBERS SHALL BE FIBERMESH OR APPROVED EQUIVALENT. LENGTH OF FIBERS SHALL BE AS RECOMMENDED BY THE MANUFACTURER. ADD 1.5 POUNDS OF FIBERMESH OR APPROVED EQUIVALENT PER CUBIC YARD OF CONCRETE, OR AS RECOMMENDED BY MANUFACTURER. REFER TO THE ITD AND ISPWC STANDARD DETAIL FOR ADDITIONAL INFORMATION PERTAINING TO CONCRETE REINFORCEMENT AND CONSTRUCTION JOINT/SCORE INTERVALS.
4. ALL CONCRETE FLATWORK SHALL NOT BE TROWELED; USE SCREED, FLOAT AND BROOM.
5. ALL SIDEWALKS SHALL BE FIVE (5") INCHES THICK WITH A MINIMUM OF FOUR (4") INCHES OF COMPACTED 3/4" MINUS AGGREGATE BASE. COMPACT TO MIN. 95% OF STANDARD PROCTOR.
6. SCORE INTERVALS PERPENDICULAR TO CURB TO MATCH WIDTH OF SIDEWALK NOT TO EXCEED FIVE (5') FEET SPACING. SIDEWALKS GREATER THAN FIVE (5') FEET IN WIDTH TO BE SCORED AT HALF WIDTH PARALLEL TO CURB AS WELL.
7. ALL STANDARD URBAN APPROACH RAMPS AND FLARES SHALL CONFORM TO ISPWC SD-710, SD-710A, SD-710B, OR SD-710C AND HAVE MINIMUM CONCRETE THICKNESS OF SIX (6") INCHES AND MINIMUM COMPACTED AGGREGATE BASE OF FOUR (4") INCHES.
8. CONTRACTOR TO SEAL ALL CONCRETE WITH CURING AND PROTECTIVE SEALERS. CURING SEALER SHALL BE USED UPON COMPLETION OF CONCRETE PLACEMENT. A SILANE 40 OR APPROVED EQUAL PROTECTIVE SEALER SHALL ALSO BE APPLIED TO ALL FINISHED CONCRETE. CONTRACTOR TO COORDINATE WITH THE PROJECT ENGINEER TO ENSURE THAT ADEQUATE TIME HAS BEEN ALLOWED FOR THE CURING SEALER TO WEAR OFF AND THE PROTECTIVE SEALER TO CORRECTLY ADHERE TO THE CONCRETE SURFACE.
9. ALL CONCRETE WORK TO CARRY A 2-YEAR WARRANTY AGAINST SCALED OR SPALLED SURFACES IN EXCESS OF 5% OF SURFACE AREA PER 20 S.F. PER CITY OF McCALL STANDARDS.
10. ALL CONCRETE WORK TO CARRY A MINIMUM 2-YEAR WARRANTY AGAINST SCALED OR SPALLED SURFACES IN EXCESS OF 5% OF THE SURFACE AREA PER 20 S.F.
11. ALL WORKMANSHIP LOCATED WITHIN A CITY OF McCALL RIGHT-OF-WAY TO CARRY A 2-YEAR WARRANTY.

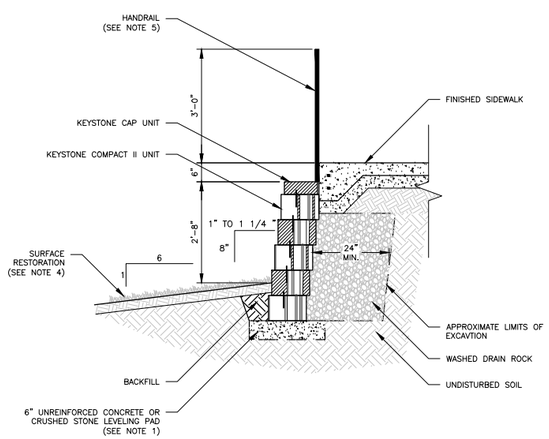
C724 TYP TYPICAL PAVING AND SIDEWALK SECTION
NOT TO SCALE



NOTES:

1. LEVELING PAD TO BE CONSTRUCTED OF CRUSHED STONE OR 2000± PSI UNREINFORCED CONCRETE.
2. SECURE ALL CAPSTONES WITH KEYSTONE KAPSEAL® OR EQUIVALENT.
3. CONTRACTOR TO INSTALL KEYSTONE WALL PER MANUFACTURER CONSTRUCTION MANUAL.
4. 1" EXPANSION JOINT TO BE FILLED WITH SAND.

C725 TYP TYPICAL GRAVITY WALL SECTION (RETAINING)
NOT TO SCALE



NOTES:

1. LEVELING PAD TO BE CONSTRUCTED OF CRUSHED STONE OR 2000± PSI UNREINFORCED CONCRETE.
2. SECURE ALL CAPSTONES WITH KEYSTONE KAPSEAL® OR EQUIVALENT.
3. CONTRACTOR TO INSTALL KEYSTONE WALL PER MANUFACTURER CONSTRUCTION MANUAL.
4. REVEGETATE ALL DISTURBED AREAS WITH A CITY APPROVED GRASS MIXTURE OVER FOUR (4") INCHES OF TOPSOIL, PER APPROVED LANDSCAPING PLAN, OR AS INDICATED WITHIN THE PLANS.
5. HANDRAIL TO BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS.

C726 TYP TYPICAL GRAVITY WALL SECTION (FILL)
NOT TO SCALE

NO.	REVISION	BY	DATE
1.	BID PLAN SET	BEJ	3/24/2022
2.	ISSUE FOR CONSTRUCTION	BEJ	7/8/2022

DESIGN	BEJ/GTT
DRAWN	BEJ/AMD
CHECKED	GTT
APPROVED	GTT

PROFESSIONAL ENGINEER REGISTERED 12779 STATE OF IDAHO GREGG TANKERSLEY 7/8/22

CRESTLINE ENGINEERS
323 DEINHARD LANE, SUITE C · PO BOX 2330
McCALL, IDAHO 83638
208.634.4140 · 208.634.4146 FAX

City of McCall

CITY OF McCALL
VALLEY COUNTY, IDAHO

PARK STREET AND THOMPSON AVENUE RECONSTRUCTION - PHASE 2
CIVIL TYPICAL DEATILS - 2

VERIFY SCALE
BAR IS ONE INCH ON FULL SIZE DRAWING
0 1"

PROJECT	19038-004
DATE	7/8/2022
DRAWING NO.	GC-2
SHEET NO.	14 OF 17

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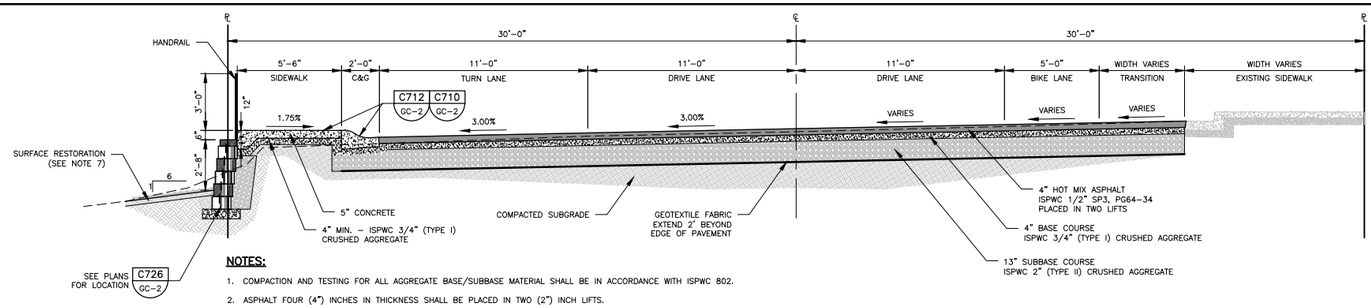

NOTES:

1. COMPACTION AND TESTING FOR ALL AGGREGATE BASE/SUBBASE MATERIAL SHALL BE IN ACCORDANCE WITH ISPWC 802.
2. ASPHALT FOUR (4") INCHES IN THICKNESS SHALL BE PLACED IN TWO (2") INCH LIFTS.
3. GEOTEXTILE FABRIC TO EXTEND 2' MIN. BEYOND THE EDGE OF ASPHALT. ALL SEAMS TO OVERLAP 2' MIN.
4. COMPACTION AND TESTING FOR ALL HOT MIX ASPHALT SHALL BE IN ACCORDANCE WITH ISPWC SECTION 810 AND PROJECT PLANS AND SPECIFICATIONS.
5. ALL CONCRETE CURBS SHALL BE ISPWC TYPE II CURB AND GUTTER. CONCRETE MIX DESIGN TO BE CLASS 4000A WITH 3/4" AGGREGATE IN ACCORDANCE WITH ISPWC SECTION 703, CAST-IN-PLACE CONCRETE, TABLE 1. ALL OTHER CONCRETE (I.E. SIDEWALK, APPROACHES AND RAMPS) TO BE CLASS 4000B WITH 3/4" AGGREGATE IN ACCORDANCE WITH ISPWC SECTION 703, CAST-IN-PLACE CONCRETE, TABLE 1.
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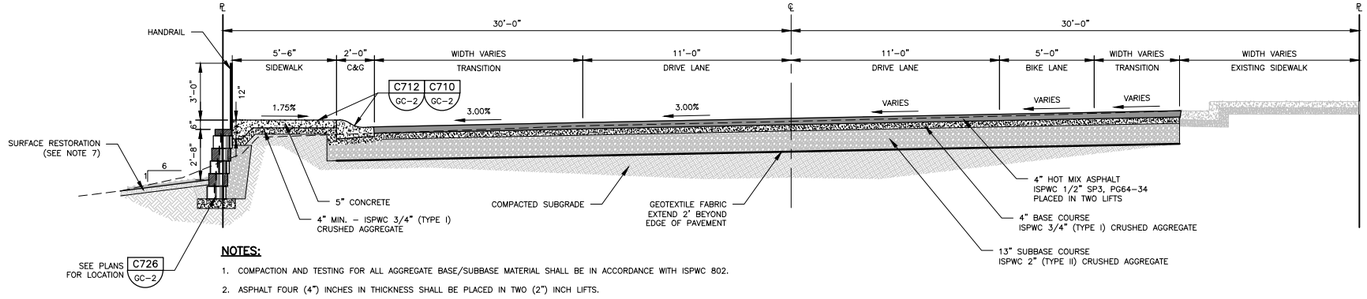
7. REVEGETATE ALL DISTURBED AREAS WITH A CITY APPROVED GRASS MIXTURE OVER FOUR (4") INCHES OF TOPSOIL, PER APPROVED LANDSCAPING PLAN, OR AS INDICATED WITHIN THE PLANS.

C800D TYP ROADWAY TYPICAL SECTION – STA: 0+59 – 1+94

SCALE: 1" = 4'



NOTES:

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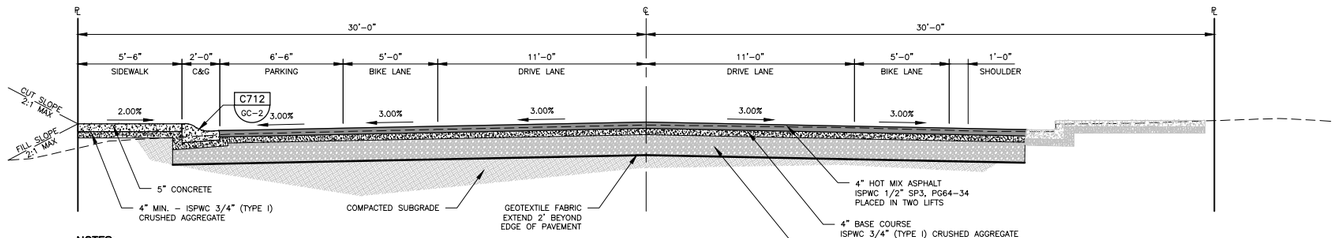
C800E TYP ROADWAY TYPICAL SECTION – STA: 1+94 – 2+38

SCALE: 1" = 4'



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C800F TYP ROADWAY TYPICAL SECTION – STA: 2+38 – 4+00

SCALE: 1" = 4'

NO.	REVISION	BY	DATE
1.	BID PLAN SET	BEJ	3/24/2022
2.	ISSUE FOR CONSTRUCTION	BEJ	7/8/2022

DESIGN: BEJ/GTT
DRAWN: BEJ/AMD
CHECKED: GTT
APPROVED: GTT

PROFESSIONAL ENGINEER REGISTERED 12779 STATE OF IDAHO GREGG TANKERSLEY 7/8/22

CRESTLINE ENGINEERS
323 DEINHARD LANE, SUITE C · PO BOX 2330
McCALL, IDAHO 83638
208.634.4140 · 208.634.4146 FAX

City of McCall

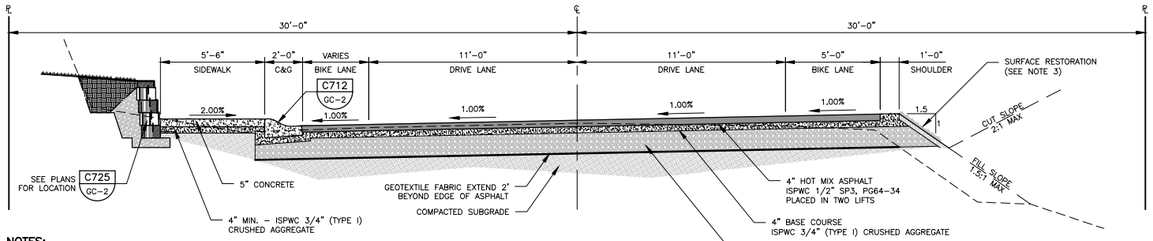
CITY OF McCALL
VALLEY COUNTY, IDAHO

PARK STREET AND THOMPSON AVENUE RECONSTRUCTION - PHASE 2
CIVIL TYPICAL DEATILS - 3

VERIFY SCALE
BAR IS ONE INCH ON FULL SIZE DRAWING
0 1"

PROJECT 19038-004
DATE 7/8/2022
DRAWING NO. GC-3
SHEET NO. 15 OF 17

Path: M:\0011\ID-City-McCall\19038\Civil\Dwg\CD\19038-004_GC-1-5.dwg File Name: 19038-004_GC-1-5.dwg Plot Date: 7/8/2022 10:17 AM Crestline



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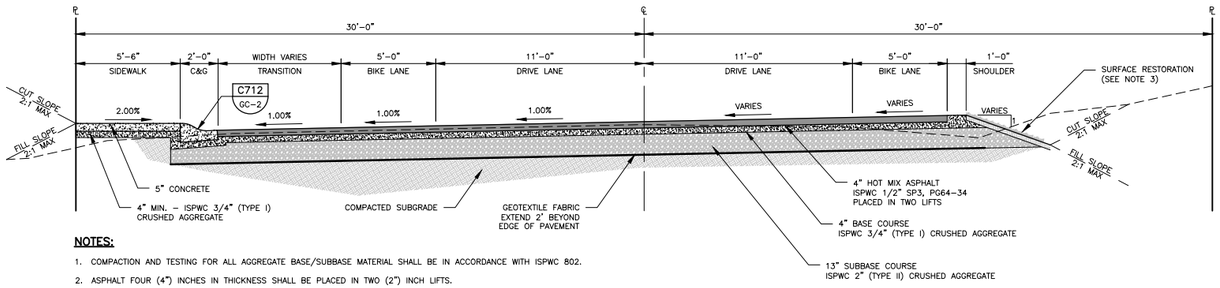
C800A TYP — ROADWAY TYPICAL SECTION – STA: 6+62 – 8+05

SCALE: 1" = 4'



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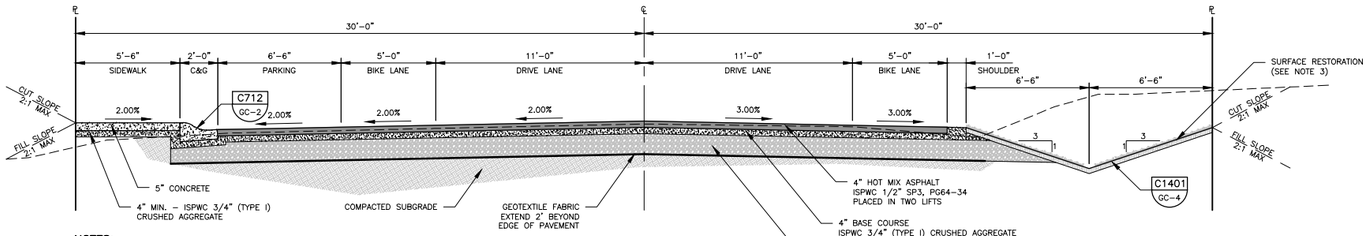
C800B TYP — ROADWAY TYPICAL SECTION – STA: 8+05 – 9+03

SCALE: 1" = 4'



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C800C TYP — ROADWAY TYPICAL SECTION – STA: 4+00 – 6+20 AND STA: 9+03 – 9+94

SCALE: 1" = 4'

NO.	REVISION	BY	DATE
1.	BID PLAN SET	BEJ	3/24/2022
2.	ISSUE FOR CONSTRUCTION	BEJ	7/8/2022

DESIGN: BEJ/GTT
DRAWN: BEJ/AMD
CHECKED: GTT
APPROVED: GTT

PROFESSIONAL ENGINEER REGISTERED 12779 STATE OF IDAHO GREGG TANKERSLEY 7/8/22

CRESTLINE ENGINEERS
323 DEINHARD LANE, SUITE C · PO BOX 2330
McCALL, IDAHO 83638
208.634.4140 · 208.634.4146 FAX

City of McCall

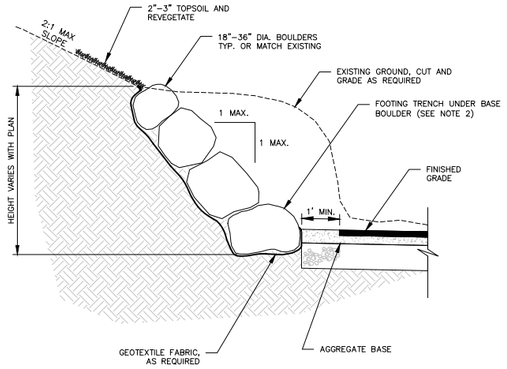
CITY OF McCALL
VALLEY COUNTY, IDAHO

PARK STREET AND THOMPSON AVENUE RECONSTRUCTION - PHASE 2
CIVIL TYPICAL DEATILS - 4

VERIFY SCALE
BAR IS ONE INCH ON FULL SIZE DRAWING
0 1"

PROJECT	19038-004
DATE	7/8/2022
DRAWING NO.	GC-4
SHEET NO.	16 OF 17

Path: M:\0011\ID-City-McCall\19038\Civil\Dwg\CD\19038-004_GC-1-5.dwg File Name: 19038-004_GC-1-5.dwg Plot Date: 7/8/2022 10:16 AM Crestline

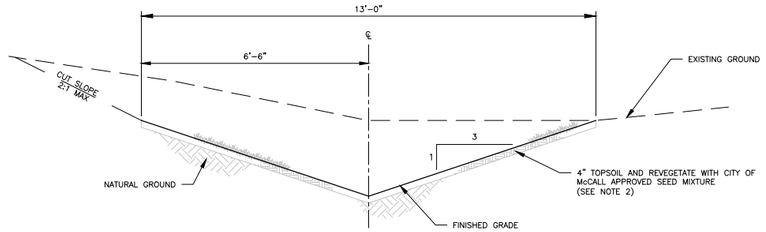


NOTES:

1. PLACE LARGEST ROCKS IN FOOTING TRENCH WITH THEIR LONGITUDINAL AXIS NORMAL TO THE EMBANKMENT FACE. ARRANGE SUBSEQUENT ROCK LAYERS SO THAT EACH ROCK ABOVE THE FOUNDATION COURSE HAS A THREE–POINT BEARING ON THE UNDERLYING ROCKS.
2. FOOTING UNDER BASE BOULDER TO BE ONE–HALF (1/2) BASE DIAMETER OR ONE (1') FOOT WHICHEVER IS GREATER.
3. OBTAIN FILL MATERIAL FROM THE SLOPE AND PLACE IT BEHIND THE ROCK WALL. SLOPE ABOVE THE WALL SHOULD BE MAINTAINED AT 2:1 OR LESS WITH A SLOPEBENCH AT THE TOE. BACKFILL THE FOOTING TRENCH WITH EXCAVATED MATERIAL IN–BETWEEN THE BOULDERS.
4. BASE COURSE MAY BE REQUIRED IF NATIVE MATERIAL IS NOT SUITABLE, AS DETERMINED BY GEOTECHNICAL EVALUATION.
5. DRAIN PIPES MAY BE REQUIRED WITH THE BASE DEPENDING ON THE PERMEABILITY OF THE SUBGRADE SOIL. VERIFY DRAINAGE NEEDS WITH A GEOTECHNICAL EVALUATION.

1004 TYP — BOULDER SLOPE STABILIZATION

NOT TO SCALE



NOTES:

1. REFER TO IDAHO DEPARTMENT OF ENVIRONMENTALLY QUALITY'S CATALOG OF STORMWATER BEST MANAGEMENT PRACTICES, VOLUME 4, SECTION 3, BMP 1 AT WWW.DEQ.IDAHO.GOV/MEDIA/622263–STORMWATER.PDF FOR ADDITIONAL INFORMATION.
2. REVEGETATE ALL DISTURBED AREAS WITH A CITY APPROVED GRASS MIXTURE OVER FOUR (4") INCHES OF TOPSOIL PER THE PROJECT SPECIFIC TECHNICAL SPECIFICATIONS, APPROVED LANDSCAPING PLAN IF APPLICABLE, OR AS INDICATED WITHIN THE PLANS.

C1401 TYP — BIOFILTRATION SWALE (VEGETATED SWALE)

NOT TO SCALE

NO.	REVISION	BY	DATE
1.	BID PLAN SET	BEJ	3/24/2022
2.	ISSUE FOR CONSTRUCTION	BEJ	7/8/2022

DESIGN: BEJ/GTT
DRAWN: BEJ/AMD
CHECKED: GTT
APPROVED: GTT

PROFESSIONAL ENGINEER REGISTERED 12779 STATE OF IDAHO GREGG TANKERSLEY 7/8/22

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City of McCall

CITY OF McCALL
VALLEY COUNTY, IDAHO

PARK STREET AND THOMPSON AVENUE RECONSTRUCTION - PHASE 2
CIVIL TYPICAL DEATILS - 5

VERIFY SCALE
BAR IS ONE INCH ON FULL SIZE DRAWING
0 1"

PROJECT	19038-004
DATE	7/8/2022
DRAWING NO.	GC-5
SHEET NO.	17 OF 17

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