# **MEADOWS SUBDIVISION PHASE 1A**

# **NEW MEADOWS, IDAHO**

# ROADWAY, SANITARY SEWER, DOMESTIC WATER, GRADING, -DRAINAGE, AND STORMWATER IMPROVEMENTS **FALL 2024**

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REVISION

CITY OF NEW MEADOWS FINAL ENGINEERING SUBMITTAL



LOCATION MAP NOT TO SCALE

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RFP 9/5/202



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ROADWAY, SANITARY SEWER, DOMESTIC WATER, GRADING, DRAINAGE, AND STORMWATER IMPROVEMENTS COVER SHEET

# **MEADOWS SUBDIVISION PHASE 1A** NEW MEADOWS, IDAHO

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PROJECT	24001				
DATE	9/5/2024				
DRAWING NO.	SHEET NO.				
G-1	1 OF 16				

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#### GENERAL NOTES:

- ALL WORK SHALL CONFORM TO THE PROJECT NOTES, DETAILS, SPECIFICATIONS, AND THE CITY OF NEW MEADOW STANDARDS. WHERE NOT SPECIFIED, ALL WORK SHALL CONFORM TO THE 2020, OR MOST CURRENT, EDITION OF THE IDAHO STANDARDS FOR PUBLIC WORKS CONSTRUCTION (ISPWC). IN THE EVENT THAT ANY OF THESE STANDARDS CONFLICT, THE MORE STRINGENT SHALL BE THE CONTROLLING STANDARDS OR SPECIFICATIONS.
- 2. ONLY PLAN SETS STAMPED "APPROVED FOR CONSTRUCTION" AND SIGNED BY THE CITY ENGINEER OR AUTHORIZED REPRESENTATIVE SHALL BE USED BY THE PROJECT CONTRACTOR(S). USE OF ANY PLANS ON THE JOB WITHOUT THE "APPROVED FOR CONSTRUCTION" STAMP SHALL BE GROUNDS FOR THE ISSUANCE OF A STOP WORK ORDER.
- 3. THE CONTRACTOR SHALL KEEP ONSITE AT ALL TIMES A COPY OF THE APPROVED CONSTRUCTION PLANS. THESE PLANS SHALL BE USED TO RECORD THE ACTUAL LOCATIONS OF THE CONSTRUCTED PIPELINE(S) AND ANY OTHER UTILITIES ENCOUNTERED. THE CONTRACTOR SHALL PROVIDE THESE RECORDED LOCATIONS TO THE PROJECT ENGINEER FOR USE IN THE PRODUCTION OF RECORD DRAWINGS PRIOR TO FINAL APPROVAL/ACCEPTANCE OF THE PROJECT.
- 4. EXISTING SITE INFORMATION INCLUDING THE LOCATION OF EXISTING SITE CONDITIONS AND SURFACE TOPOGRAPHY AS SHOWN ON THESE PLANS WAS CREATED FROM A COMBINATION OF THE CITY OF NEW MEADOWS AERIAL MAPPING PREPARED BY 3DI WEST/GEDTERRA, INC. IN 2012 AND SUPPLEMENTED THROUGH FIELD VERIFICATION COMPLETED IN 2023/2024. 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.
- 5. 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.
- 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.
- THE CONTRACTOR SHALL CALL DIG LINE (800-342-1585) TO LOCATE ALL EXISTING UTILITIES AT LEAST THREE (3) DAYS PRIOR TO THE START OF CONSTRUCTION.
- THE CONTRACTOR SHALL NOTIFY THE CITY OF NEW MEADOWS A MINIMUM OF SEVENTY-TWO (72) HOURS PRIOR TO THE START OF PROJECT CONSTRUCTION.
- THE CONTRACTOR SHALL OBTAIN A PERMIT TO EXCAVATE IN PUBLIC RIGHT-OF-WAY, FROM THE CITY OF NEW MEADOWS AND PROVIDE A COPY TO THE OWNER AND THE PROJECT ENGINEER PRIOR TO THE START OF PROJECT CONSTRUCTION.
- 10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL ASSOCIATED WITH THE PROJECT AND SHALL DEVELOP/SUBMIT A PLAN TO THE CITY OF NEW MEADOWS AND THE PROJECT ENCINEER FOR APPROVAL PRIOR TO THE START OR PROJECT CONSTRUCTION. PLAN TO BE IN ACCORDANCE WITH MUTCD AND PROVIDED AT NO ADDITIONAL COST TO THE OWNER.
- 11. 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.
- 12. CONTRACTOR SHALL SECURE A SHORT TERM ACTIVITY EXEMPTION FROM THE IDAHO DEPARTMENT OF ENVIRONMENTAL QUALITY (IDEQ) PRIOR TO THE START OF PROJECT CONSTRUCTION IF WORK IN GROUND WATER IS ANTICIPATED. IN ADDITION TO THE EXEMPTION, CONTRACTOR SHALL SUBMIT A DEWATERING PLAN TO THE PROJECT ENGINEER PRIOR TO COMMENCEMENT OF DEWATERING OPERATIONS.
- 13. DURING PIPELINE INSTALLATION AND SERVICE CONNECTIONS, GROUNDWATER LEVELS SHALL BE MAINTAINED ONE (1') FOOT OR MORE BELOW PIPE INVERTS PER ISPWC: ONCE DEWATERING OPERATIONS CEASE, CONTRACTOR SHALL CLEAN AND RESTORE TO THEIR ORIGINAL STATE ANY DITCHES OR STORMDRAIN FACILITIES THAT ARE SILTED DUE TO THEIR DEWATERING EFFORTS.

- 14. 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.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS BEFORE STARTING WORK AND SHALL IMMEDIATELY NOTIFY THE PROJECT ENGINEER OF ANY DISCREPANCIES.
- 16. 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.
- 17. WHERE NO CONSTRUCTION DETAILS ARE SHOWN OR NOTED FOR ANY PART OF WORK, DETAILS SHALL BE THE SAME AS FOR OTHER SIMILAR WORK.
- CONTRACTOR TO PROVIDE SUBMITTALS FOR ALL PRODUCTS NECESSARY FOR COMPLETING PROJECT PRIOR TO THE START OF CONSTRUCTION.
- 19. 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.
- 20. CONTRACTOR SHALL PROVIDE THE PROJECT ENGINEER WITH ONE COPY OF REDLINED AS-BUILT DRAWINGS PRIOR TO PROJECT ACCEPTANCE IF DETERMINED NECESSARY.
- 21. 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.
- 22. 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.
- 23. 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.
- 24. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND DISPOSAL OF ANY EXCESS ONSITE MATERIALS AS NECESSARY TO COMPLETE THE PROJECT.
- 25. DOMESTIC WATER MAINS AND NON-POTABLE MAINS (SEWER, STORM DRAIN, AND IRRIGATION) SHALL HAVE A MINIMUM HORIZONTAL SEPARATION OF TEN (10') FEET AND A MINIMUM VERTICAL SEPARATION OF EIGHTEEN (18") INCHES. REFER TO ISPWC SD-407 "NON-POTABLE WATER LINE (NPWL) SEPARATION, "C14/GC-2, AND IDAPA 58.01.16.430.02.0 FOR ADDITIONAL INFORMATION AS WELL AS SEPARATION REQUIREMENTS FOR POTABLE SERVICE LINES IN RELATION TO NON-POTABLE SERVICE LINES.
- 26. WHEN MINIMUM VERTICAL SEPARATION IS NOT OBTAINED, NON-POTABLE MAINS SHALL BE ENCASED WITH A SLEEVING MATERIAL ACCEPTABLE TO THE IDEQ FOR A HORIZONTAL DISTANCE OF TEN (10) FEET ON BOTH SIDES OF THE CROSSING.
- 27. THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER AND THE CITY OF NEW MEADOWS A MINIMUM OF FOURTY-EIGHT (48) HOURS PRIOR TO ANY PROJECT TESTING AND THE POURING OF ANY PROJECT CONCRETE.
- 28. CONTRACTOR IS REQUIRED TO PAY FOR ALL ASPHALT, CONCRETE AND COMPACTION TESTING, INCLUDING ASSOCIATED COSTS IN ACCORDANCE WITH ISPWC SPECIFIC TESTING REQUIREMENTS.
- 29. ALL TESTING SHALL BE CONDUCTED BY AN INDEPENDENT THIRD PARTY.
- 30. IF ANY ITEMS OF SUSPECTED HISTORICAL OR ARCHAEOLOGICAL VALUE ARE DISCOVERED DURING CONSTRUCTION, THE CONTRACTOR WILL BE REQUIRED TO STOP WORK AND CONTACT THE OWNER, PROJECT ENGINEER, AS WELL AS THE STATE HISTORICAL PRESERVATION OFFICE.
- 31. CONTRACTOR SHALL CONFORM TO OSHA AND OTHER LOCAL, STATE, AND FEDERAL REQUIREMENTS WHEN REMOVING ASBESTOS CEMENT (AC) PIPE AND MATERIALS.
- 32. 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.

- SEWER CONSTRUCTION NOTES:
- 1. PRIOR TO SEWER MAIN LINE CONSTRUCTION, CONTRACTOR SHALL POTHOLE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF THE EXISTING/PROPOSED INVERTS OR CONNECTION POINTS TO THE EXISTING SEWER MAINS WITHIN THE PROJECT. ANY DISCREPANCIES IN OR FROM THE INFORMATION SHOWN ON THE PLANS, OR ADDITIONAL INFORMATION THAT MAY CREATE A CONFLICT, SHALL BE REPORTED TO THE PROJECT ENGINEER PRIOR TO PROCEEDING.
- 2. IN THE EVENT OF A WATER SYSTEM CONFLICT, CONTACT THE PROJECT ENGINEER IMMEDIATELY.
- ALL SEWER MAIN LINES SHALL BE EIGHT (8") INCH BELL AND SPIGOT, POLYVINYL CHLORIDE (PVC), SDR 35, ASTM D-3034 UNLESS NOTED OTHERWISE.
- 4. ALL PROFILE VIEW PIPE LENGTHS ARE FROM THE CENTER OF MANHOLE TO THE CENTER OF MANHOLE.
- 5. ALL SEWER SERVICE LATERALS SHALL BE BELL AND SPIGOT, POLYVINYL CHLORIDE (PVC), SDR 35, ASTM D-3034 UNLESS NOTED OTHERWISE. SERVICE CONNECTIONS TO THE MAIN SHALL BE COMPLETED USING 8"x4" PVC, SDR 35, ASTM D-3034 TEE OR ROMAC "CB SEWER SADDLE" WHERE APPROVED IN ADVANCE.
- 6. ALL SEWER SERVICE LINES SHALL BE INSTALLED TO THE POINTS AND INVERT ELEVATIONS AS INDICATED ON THE CONSTRUCTION PLANS. MINIMUM PIPE SLOPE SHALL BE 2% UNLESS SPECIFIED OTHERWISE. TYPE "C" SERVICE CONNECTIONS SHALL BE INSTALLS WITH A PIPE SLOPE OF 1%.
- UNLESS OTHERWISE INDICATED ON THE PLANS, INSTALL NEW SEWER SERVICE LATERALS WHERE INDICATED, AT 2% SLOPE, FROM CONNECTION TO THE SEWER MAIN TO THE STREET RIGHT-OF-WAY AND INSIDE PRIVATE PROPERTY TWELVE (12') FEET.
- 8. THE INSTALLATION OF NEW SERVICE LATERALS INTO MANHOLES IS NOT ALLOWED.
- THE CONTRACTOR SHALL MARK ALL SEWER SERVICE LATERALS WITH DISTANCES FROM THE NEAREST MANHOLE ON THE AS-BUILT DRAWINGS TO BE PROVIDED TO THE PROJECT ENGINEER.
- 10. ALL SEWER MAIN LINES, SERVICE LATERALS, AND MANHOLES SHALL BE AIR/VACUUM TESTED IN ACCORDANCE WITH ISPWC. TESTING SHALL BE COMPLETED PRIOR TO CONNECTING EXISTING SERVICE LATERALS INTO THE NEW SYSTEM.
- 11. ALL SEWER MAIN LINES SHALL BE HYDROCLEANED AND CCTV'ED UPON COMPLETION OF ALL UNDERGROUND UTILITY WORK IN ACCORDANCE WITH ISPWC. THE CONTRACTOR SHALL SUBMIT TWO (2) COPIES OF ALL REPORTS TO THE DESIGN ENGINEER FOR REVIEW PRIOR TO ACCEPTANCE.
- 12. THE CONTRACTOR IS REQUIRED TO PAY FOR ALL PROJECT TESTING AND ASSOCIATED COSTS AS PART OF THE SEWER MAIN INSTALLATION. ALL TESTING TO BE COMPLETED IN ACCORDANCE WITH THE PROVISIONS SET FORTH HEREIN. ALL TESTING SHALL BE CONDUCTED IN THE PRESENCE OF THE PROJECT ENGINEER.
- 13. THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER A MINIMUM OF FORTY-EIGHT (48) HOURS PRIOR TO ANY SEWER PIPELINE TESTING, CCTV WORK AND THE POURING OF CONCRETE COLLARS.

 CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL BMP'S IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REQUIREMENTS.

EROSION AND SEDIMENT CONTROL NOTES:

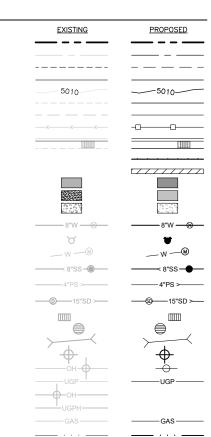
- STORMWATER MANAGEMENT INCLUDING EROSION AND SEDIMENT CONTROL FOR THE PROJECT WILL BE IMPLEMENTED PER THE CITY OF McCALL DRAINAGE MANAGEMENT GUIDELINES (DMG'S).
- REFER TO THE "STATE OF IDAHO, CATALOG OF STORMWATER BEST MANAGEMENT PRACTICES FOR IDAHO CITIES AND COUNTIES" FOR FURTHER DETAILS ON BMP IMPLEMENTATION AND INSTALLATION.
- REFER TO THE PROJECTS STORMWATER DRAINAGE REPORT FOR ADDITIONAL INFORMATION PERTAINING TO EROSION AND SEDIMENT CONTROL INSTALLATION AS WELL AD OPERATION AND MAINTENANCE PROCEDURES.
- 5. THE CONTRACTOR SHALL COMPLY WITH THE PREVISIONS OF THE IDAHO DEPARTMENT OF ENVIRONMENTAL QUALITY'S (IDEO) IDAHO POLILUTION DISCHARCE ELIMINATION SYSTEM (IPDES) 2022 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). IF THE CONTRACTOR'S MEANS AND METHODS DISTURB MORE THAN ONE (1) ACRE, THE CONTRACTOR SHALL PREPARE A SWPPP AND OBTAIN COVERAGE UNDER THE IDEO 2022 CGP.
- 6. THIS PLAN SHEET IS NOT INTENDED TO BE A STORMWATER POLLUTION PREVENTION PLAN (SWPPP). CONTRACTOR IS RESPONSIBLE FOR PREPARING A SWPPP AND ASSOCIATED STORMWATER NOTICE OF INTENT (NOI) IN ACCORDANCE WITH THE IDEQ'S CGP. TOTAL PROPERTY AREA = X.XX AC. TOTAL ON-SITE/OFF-SITE DISTURBED AREA = ±X.XX AC.
- 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.
- 8. THE IMPLEMENTATION OF THESE EROSION AND SEDIMENT CONTROL MEASURES INCLUDING INSTALLATION, REGULAR INSPECTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THIS PLAN IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ALL PROJECT CONSTRUCTION IS COMPLETED AND STABILIZATION IS ACHIEVED PER THE CGP.
- WORK ACTIVITIES SHALL TAKE PLACE WITHIN THE CLEARING LIMITS AS SHOWN ON THIS PLAN. CONTRACTOR SHALL PRESERVE NATURAL VEGETATION OUTSIDE OF CLEARING LIMITS.
- STABILIZED CONTRACTION ENTRANCES SHALL BE PROVIDED AT ALL ENTRANCES/EXITS TO THE SITE AND CONSTRUCTION STAGING AREAS.
- 11. CONTRACTOR SHALL MINIMIZE THE AMOUNT OF BARE SOIL EXPOSED AT ONE TIME.
- 12. DURING CONSTRUCTION, CONTRACTOR SHALL WATER ALL DISTURBED AREAS AS NECESSARY FOR DUST ABATEMENT.
- 13. CONTRACTOR SHALL CONTROL SURFACE DRAINAGE FROM EXCAVATION, BORROW AND WASTE DISPOSAL AREAS AS WELL AS PROVIDE CONTROL STRUCTURES AS NECESSARY TO PREVENT CONTAMINATED RUNOFF FROM LEAVING THE PROJECT SITE.
- 14. CONTRACTOR SHALL SECURE A SHORT TERM ACTIVITY EXEMPTION FROM 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.
- 15. CONTRACTOR TO PROVIDE TEMPORARY MEASURES SUCH AS BERMS, DIKES, AND DRAINS AS NECESSARY, TO PREVENT RUNOFF FROM FLOWING INTO PIPE TRENCHES DURING CONSTRUCTION.
- 16. CONTRACTOR SHALL PROVIDE INLET PROTECTION ON ALL STORMWATER DRAIN INLETS (EXISTING AND PROPOSED) UNTIL THE SITE IS STABILIZED AND VEGETATION IS REESTABLISHED.
- 17. REVEGETATION AND STABILIZATION OF ALL DISTURBED PROJECT AREAS SHALL BE IN ACCORDANCE WITH THE PROJECTS LANDSCAPE DESIGN. IF A LANDSCAPE DESIGN/PLAN IS NOT AVAILABLE, DISTURBED AREAS SHALL BE REVEGETATED WITH A GRASS SEED MIXTURE NATIVE TO THAT AREA.

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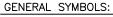


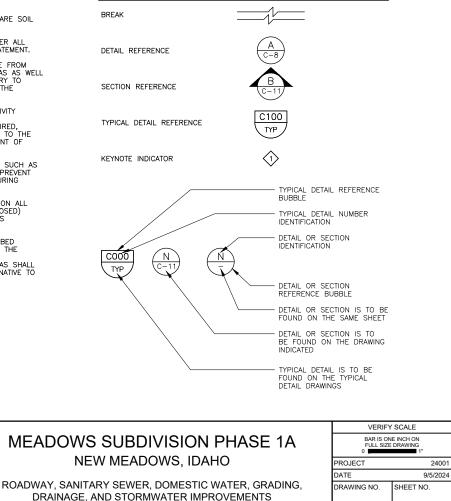
## LEGEND:

PROPERTY/RIGHT-OF-WAY LINE CENTERI INF EASEMENT LINE LOT LINES CONTOUR EDGE OF PAVEMENT EDGE OF GRAVEL FENCE SIDEWALK. CURB & GUTTER AND CATCH BASIN SAW CUT LINE SURFACE REPAIR BUILDING ROOF ASPHALT SURFACE CONCRETE SIDEWALK/PATIO WATER MAIN, SIZE AND GATE VALVE FIRE HYDRANT WATER METER SANITARY SEWER MAIN, SIZE AND MANHOLF PRESSURE SEWER MAIN STORMWATER MAIN, SIZE AND MANHOLF STORMWATER DROP INLET STORMWATER CATCH BASIN CULVERT PARKING LOT/STREET LIGHT OVERHEAD POWER AND POLE UNDERGROUND POWER OVERHEAD PHONE AND POLE UNDERGROUND PHONE UNDERGROUND NATURAL GAS DRAINAGE SWALE/FLOW LINE WETLAND AREAS



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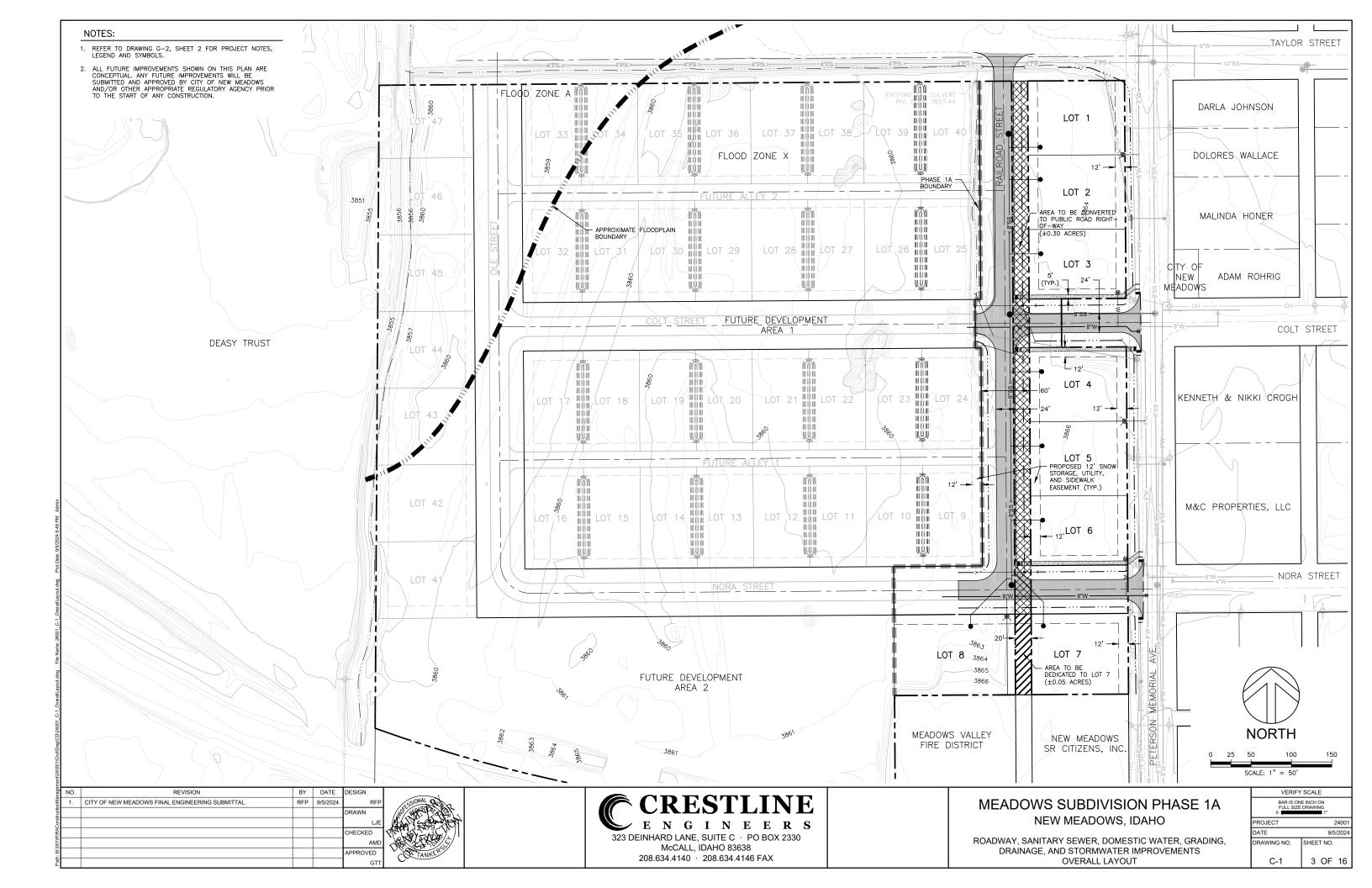




GENERAL INFORMATION AND NOTES

G-2

2 OF 16



#### NOTES:

- REFER TO DRAWING G-2, SHEET 2 FOR PROJECT NOTES, LEGEND AND SYMBOLS.
- ALL FUTURE IMPROVEMENTS SHOWN ON THIS PLAN ARE 2. ALL POLORE IMPROVEMENTS SHOWN ON THIS PLAN ARE CONCEPTUAL. ANY FUTURE IMPROVEMENTS WILL BE SUBMITTED AND APPROVED BY CITY OF NEW MEADOWS AND/OR OTHER APPROPRIATE REGULATORY AGENCY PRIOR TO THE START OF ANY CONSTRUCTION.

KEY NOTES:

SAW CUT EXISTING ASPHALT EDGE OF PAVEMENT FOR NEW ROAD TO CLEAN EDGE AND MATCH PAVEMENT,  $\langle 1 \rangle$ LENGTH AS SPECIFIED ON PLANS.

### ROAD/DRIVEWAY CONSTRUCTION NOTES:

- 1. ALL ROADWAY FILL MATERIAL AND EMBANKMENT SHALL BE IN ACCORDANCE WITH ISPWC SECTION 202.
- 2. ROADWAY CONSTRUCTION SHALL BE COMPLETED IN ACCORDANCE WITH DIVISIONS 200 AND 800 OF THE ISPWC, THE PROJECT PLANS, AND CITY OF NEW MEADOWS STANDARDS WHERE APPROPRIATE.
- 3. CONTRACTOR TO CONTACT THE PROJECT ENGINEER IMMEDIATELY IN THE EVENT OF ANY UTILITY CONFLICT.
- 4. ALL BASE AND SUBBASE COURSE SHALL MEET THE REQUIREMENTS OF ISPWC SECTION 802, CRUSHED AGGREGATES. CONTRACTOR SHALL PROVIDE PROJECT ENGINEER SIEVE ANALYSIS, PROCTOR COMPACTION RESULTS, LIQUID LIMITS, AND PLASTICITY INDEX FROM SOURCE LOCATIONS PRIOR TO DUACTURENT TO PLACEMENT.
- COMPACTION FOR ALL AGGREGATE BASE/SUBBASE MATERIAL SHALL BE "CLASS A" IN ACCORDANCE WITH ISPWC SECTION 802.
- HOT MIX ASPHALT (HMA) PAVEMENT SHALL BE ISPWC 1/2" AGGREGATE, SUPERPAVE-2, PG64-34. CONTRACTOR SHALL PROVIDE PROJECT ENGINEER WITH MIX DESIGN PRIOR TO DIACOLUMENT PLACEMENT.
- HMA PAVEMENT SHALL BE PLACED AND TESTED IN ACCORDANCE WITH ISPWC SECTION 810 AND CIVIL TYPICAL DETAIL OPPO/COLTAND AND CIVIL TYPICAL DETAIL C800/GC-3.
- ALL BASE/SUBBASE AND PLANT MIX PAVEMENT TESTING SHALL BE THIRD PARTY PROVIDED BY THE OWNER, CONTRACTOR SHALL COORDINATE WITH THE OWNER AND THE PROJECT ENGINEER TO ACCOMMODATE ALL REQUIRED TESTING DURING BASE MATERIAL, HMA PAVEMENT PRODUCTION/PLACEMENT, AND CONCRETE WORK INCLUDING ESTABLISHING A TESTING BUDGET PRIOR TO THE START OF PROJECT CONSTRUCTION.

LINE TABLE

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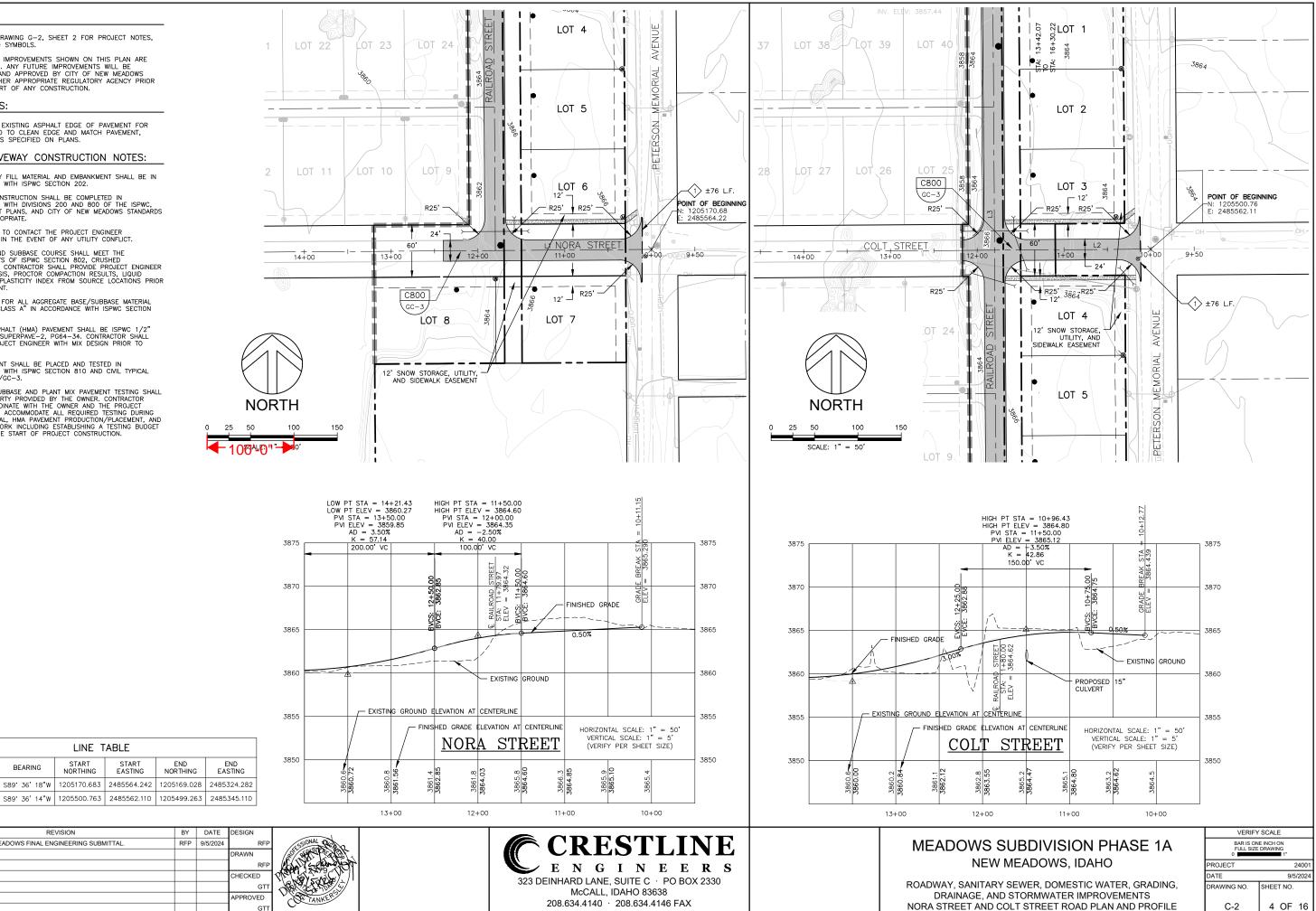
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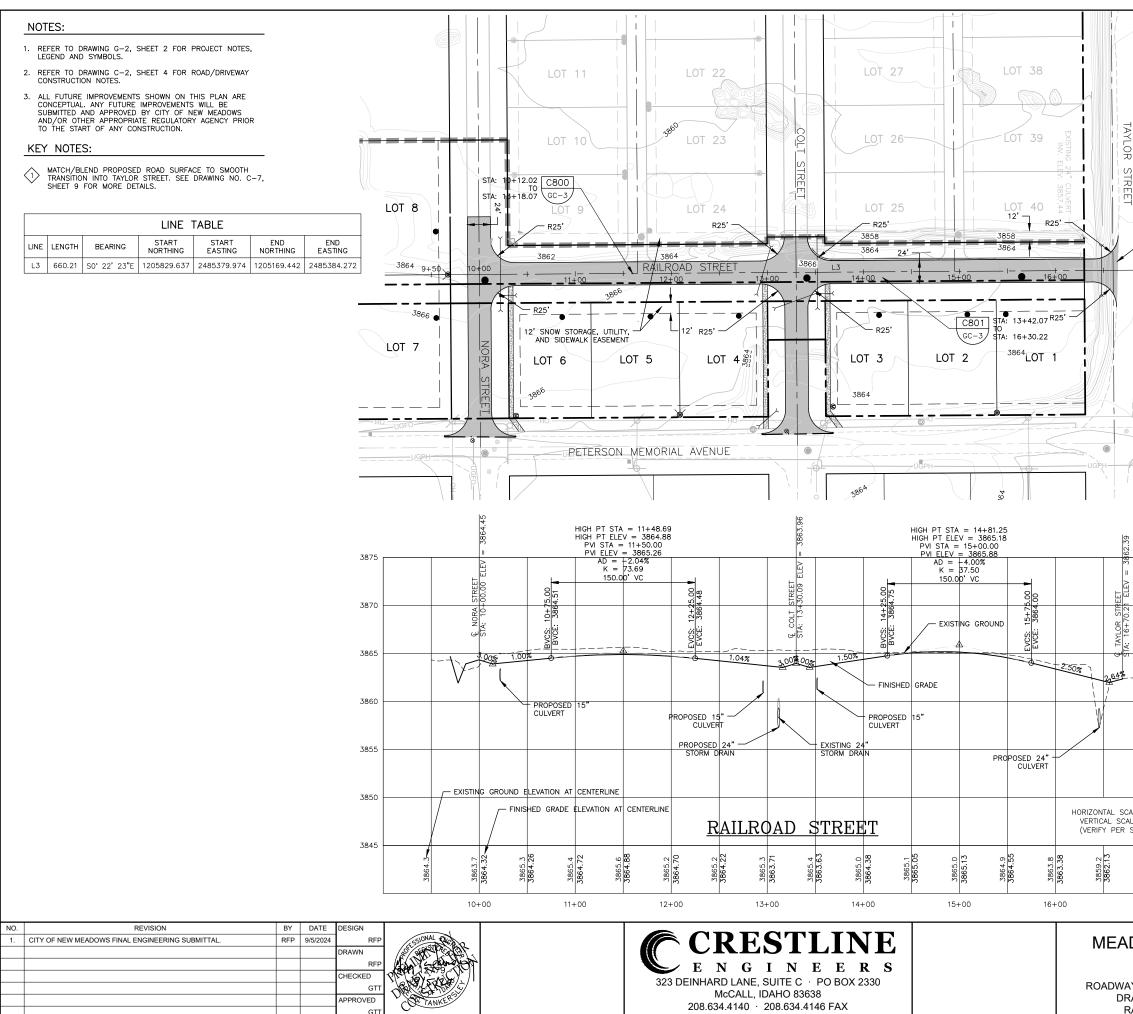
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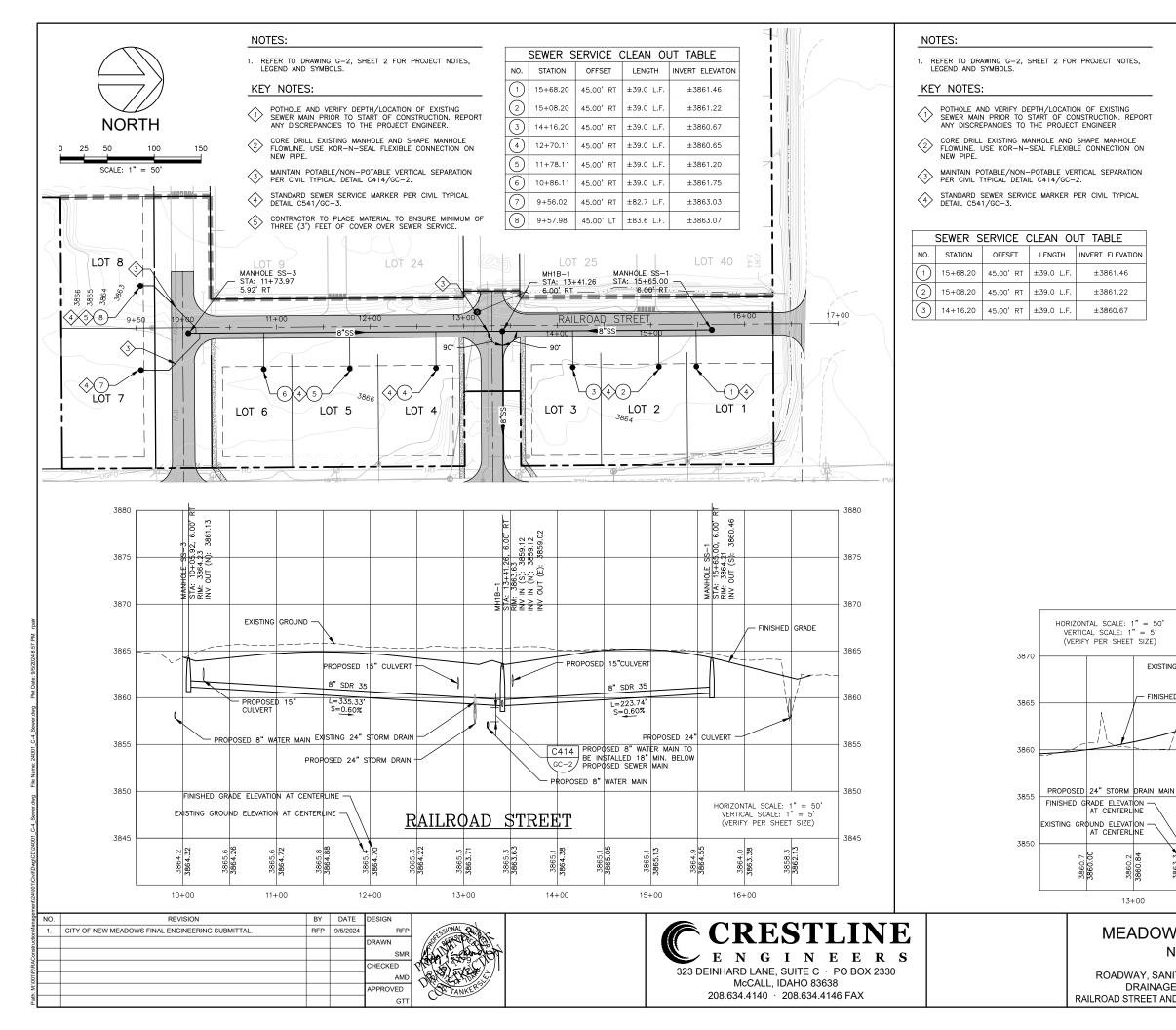
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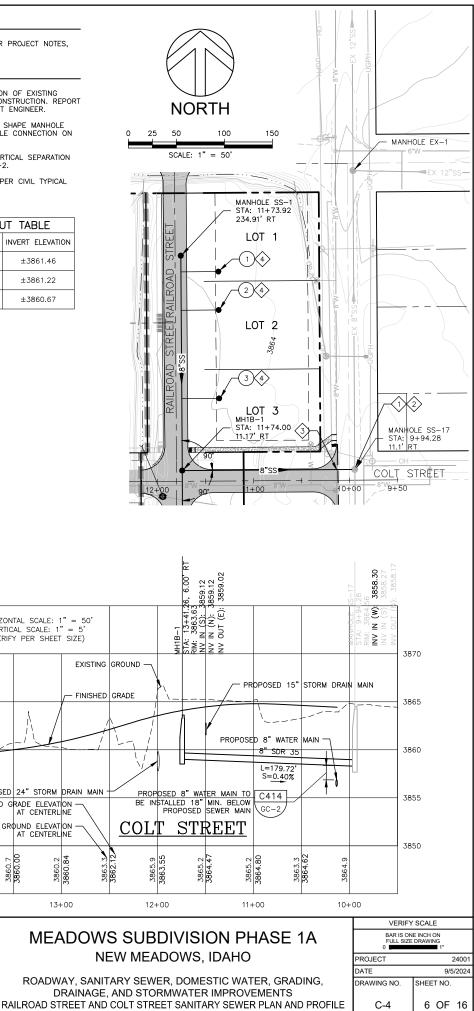
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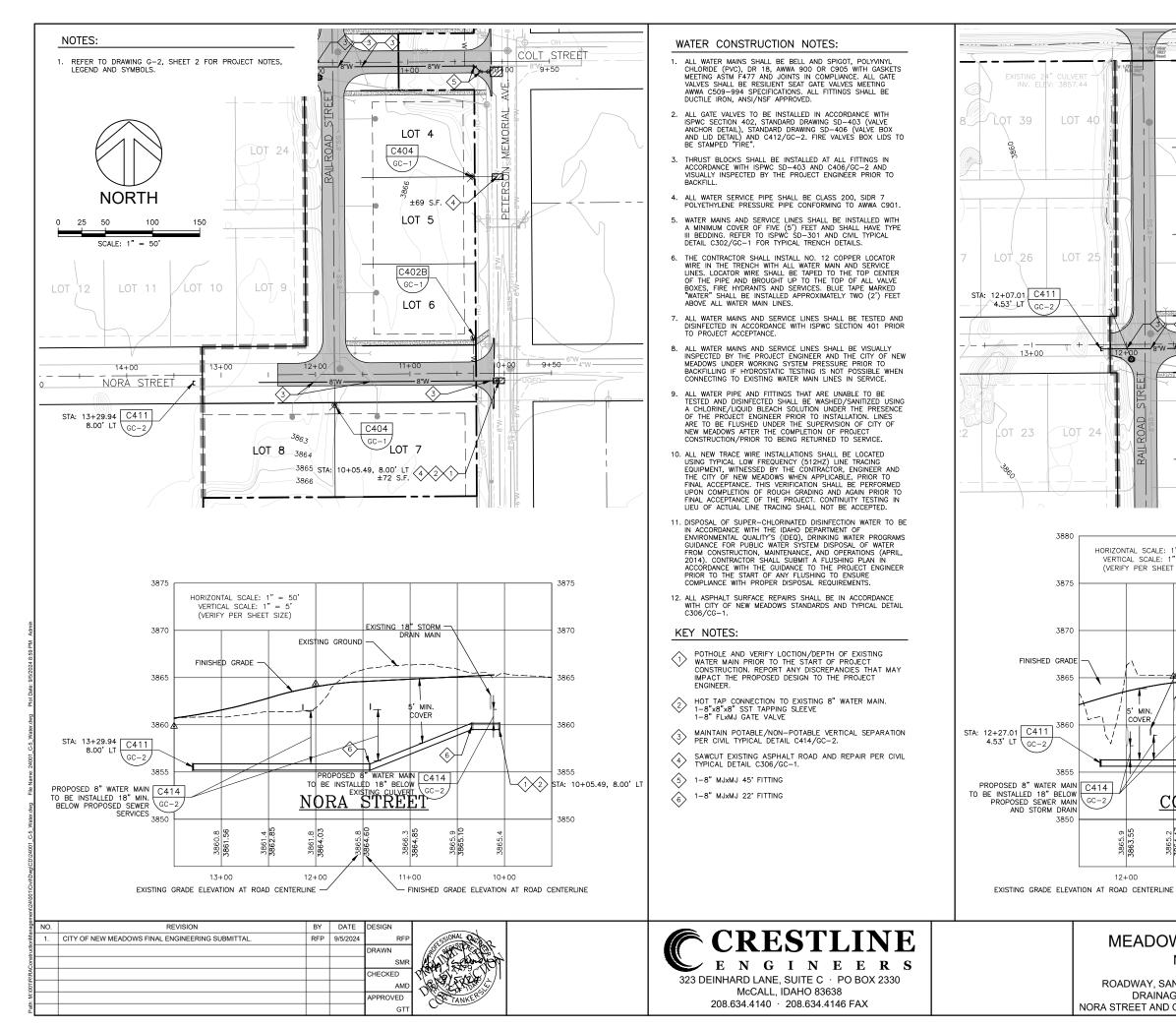
CITY OF NEW MEADOWS FINAL ENGINEERING SUBMITTAL



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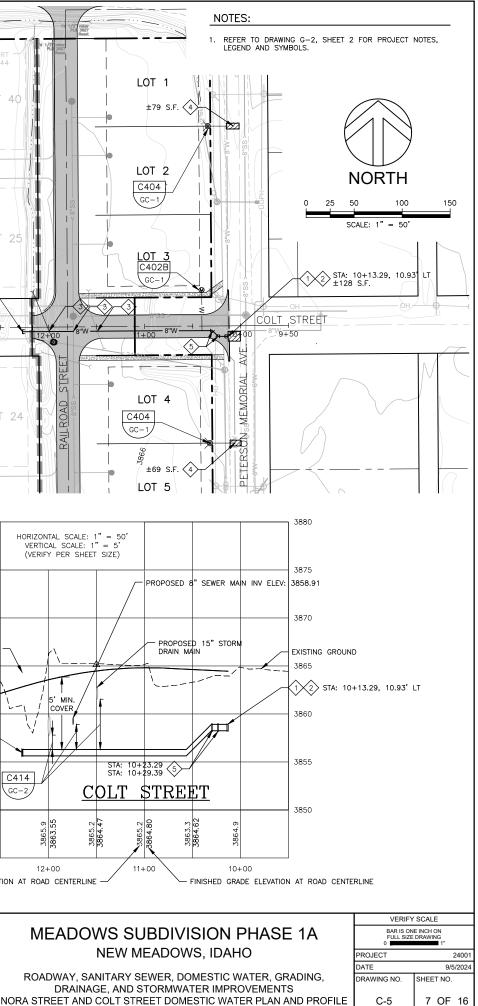
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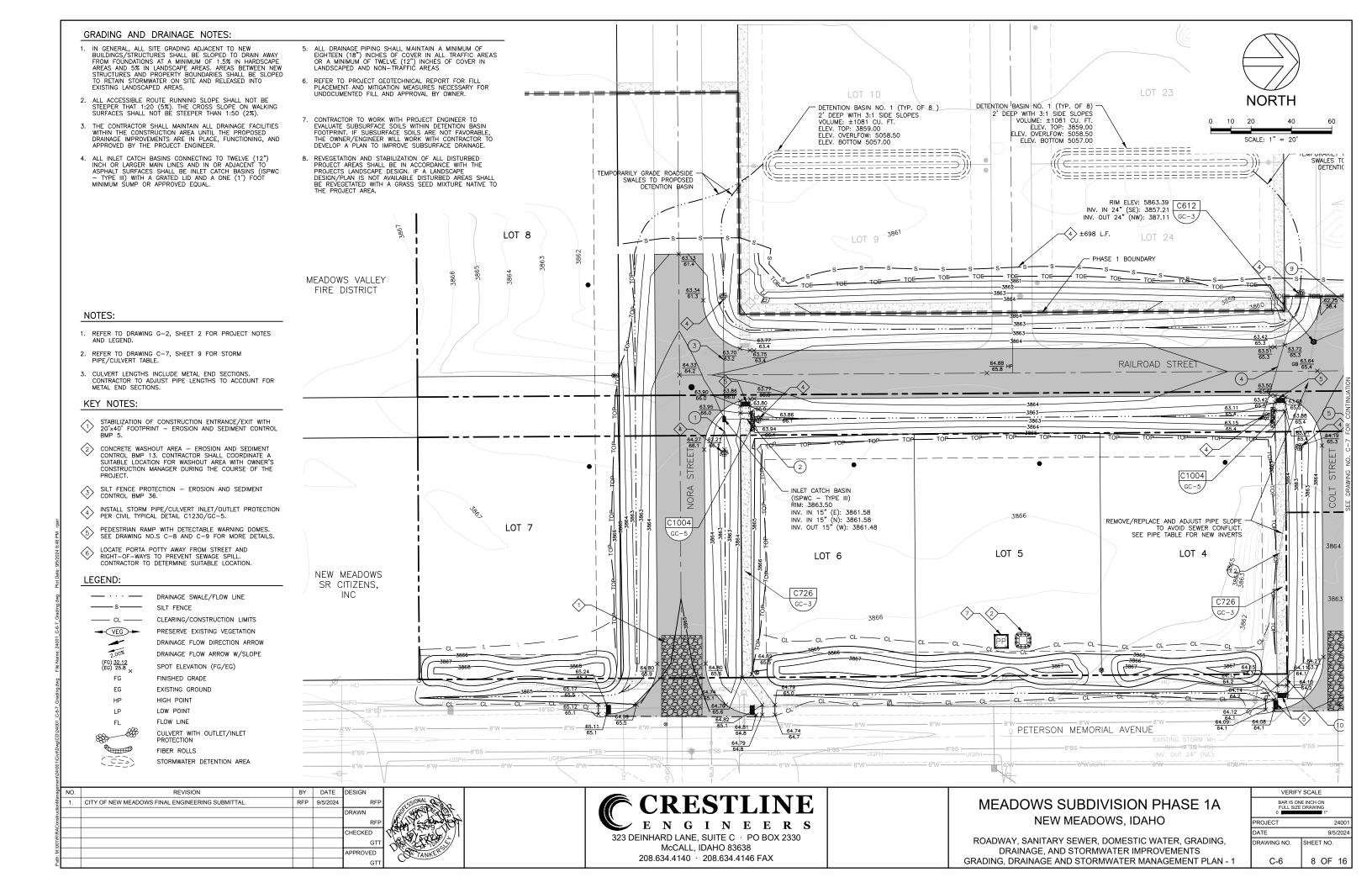
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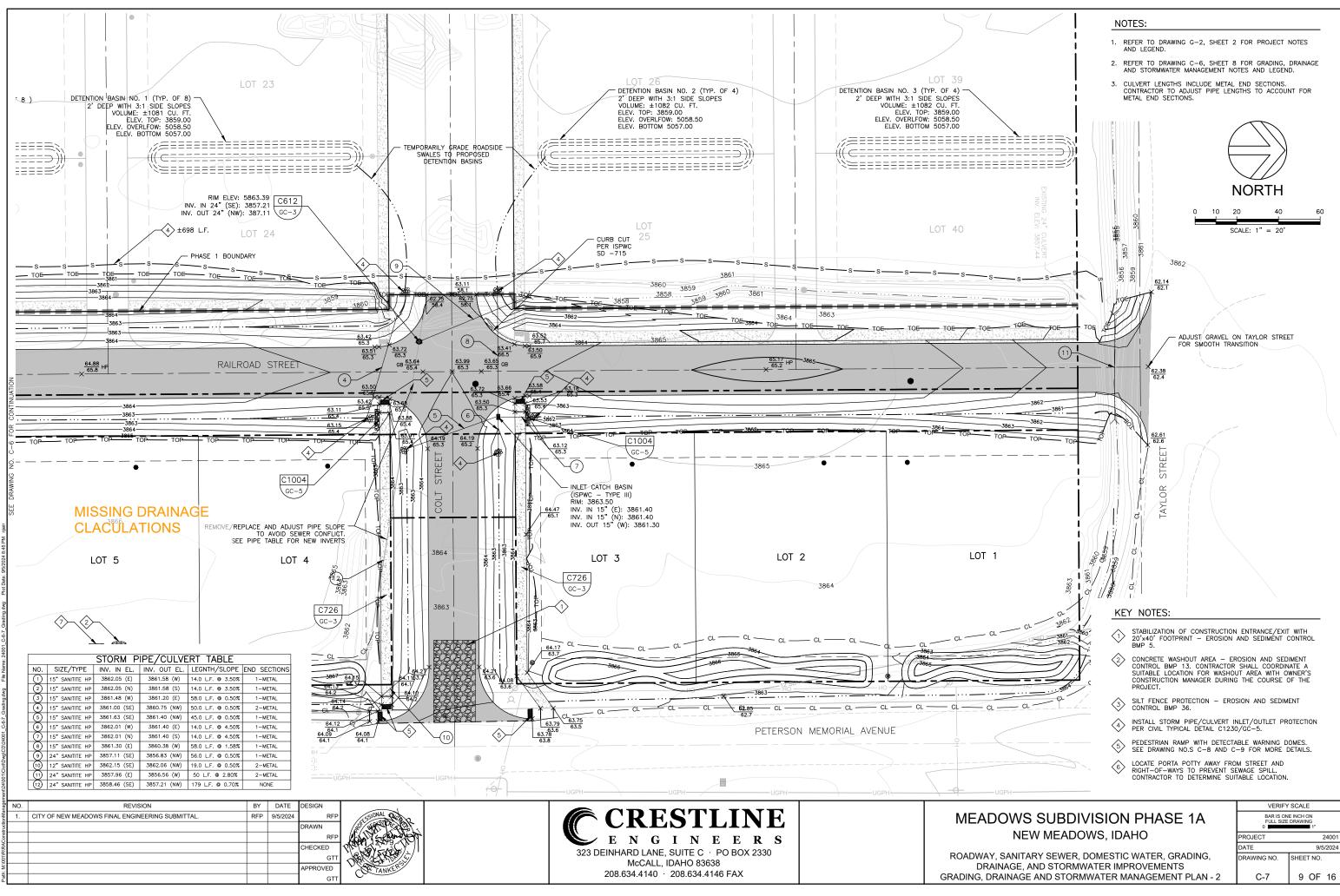
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2+00

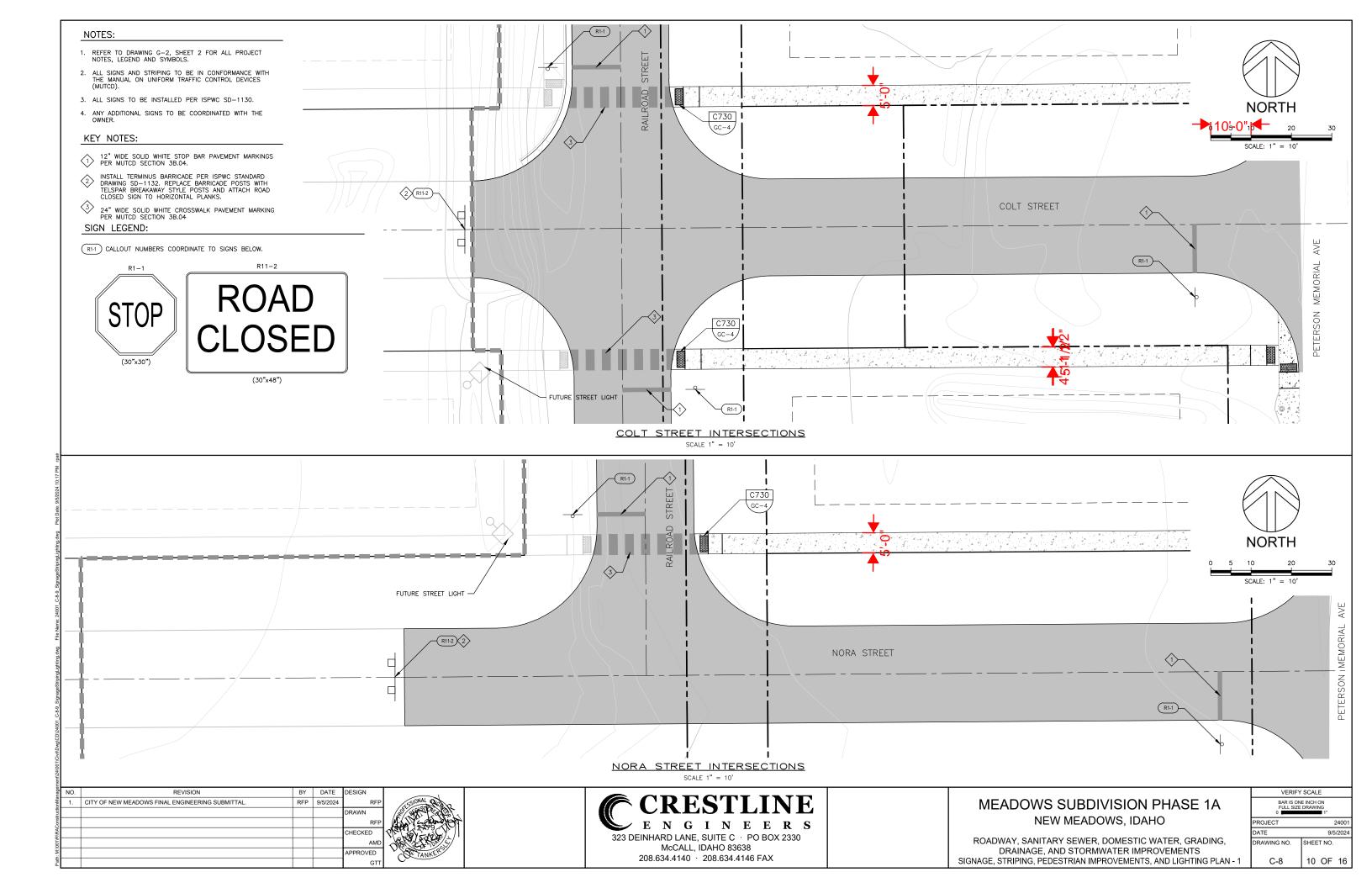


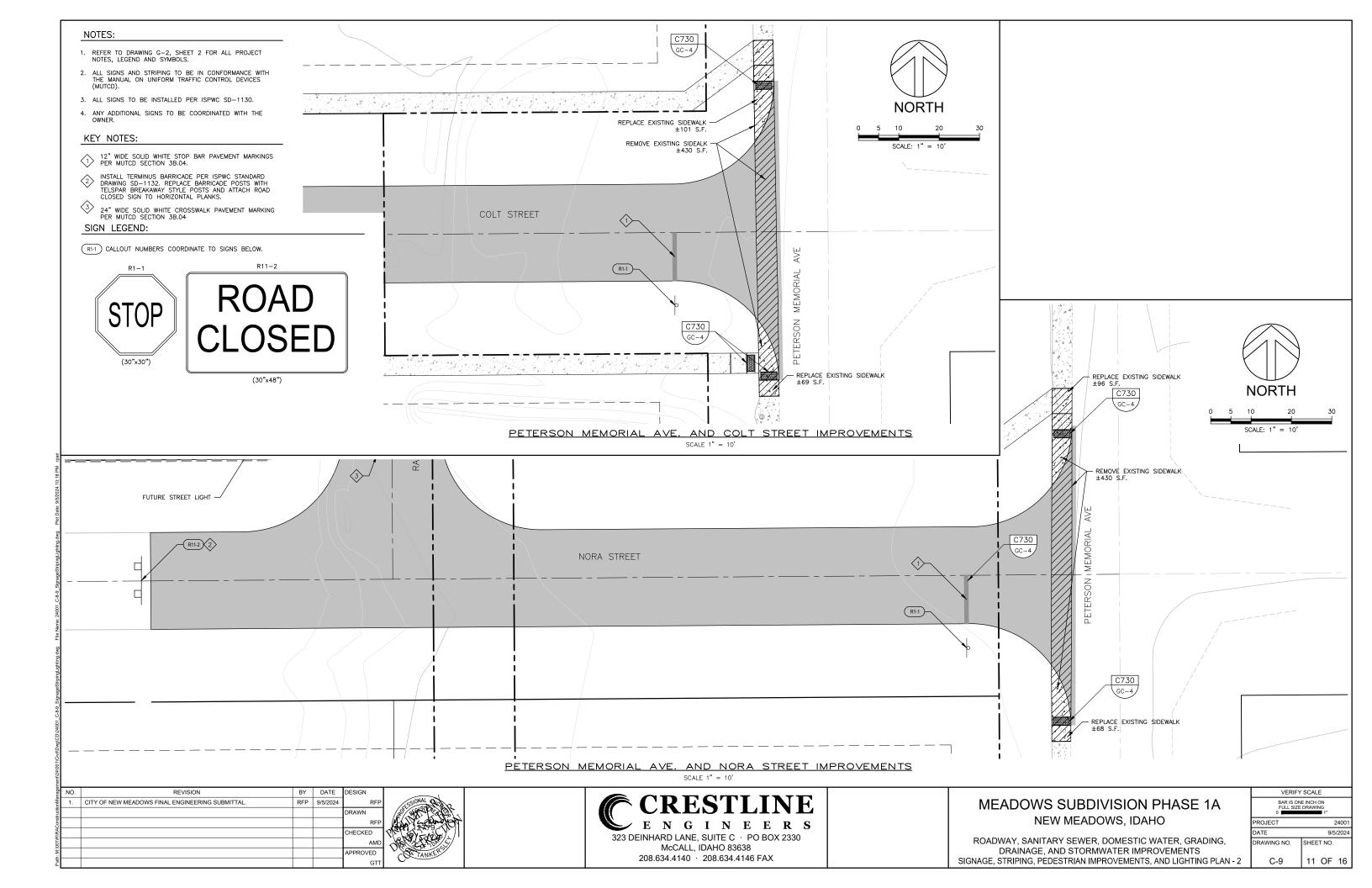


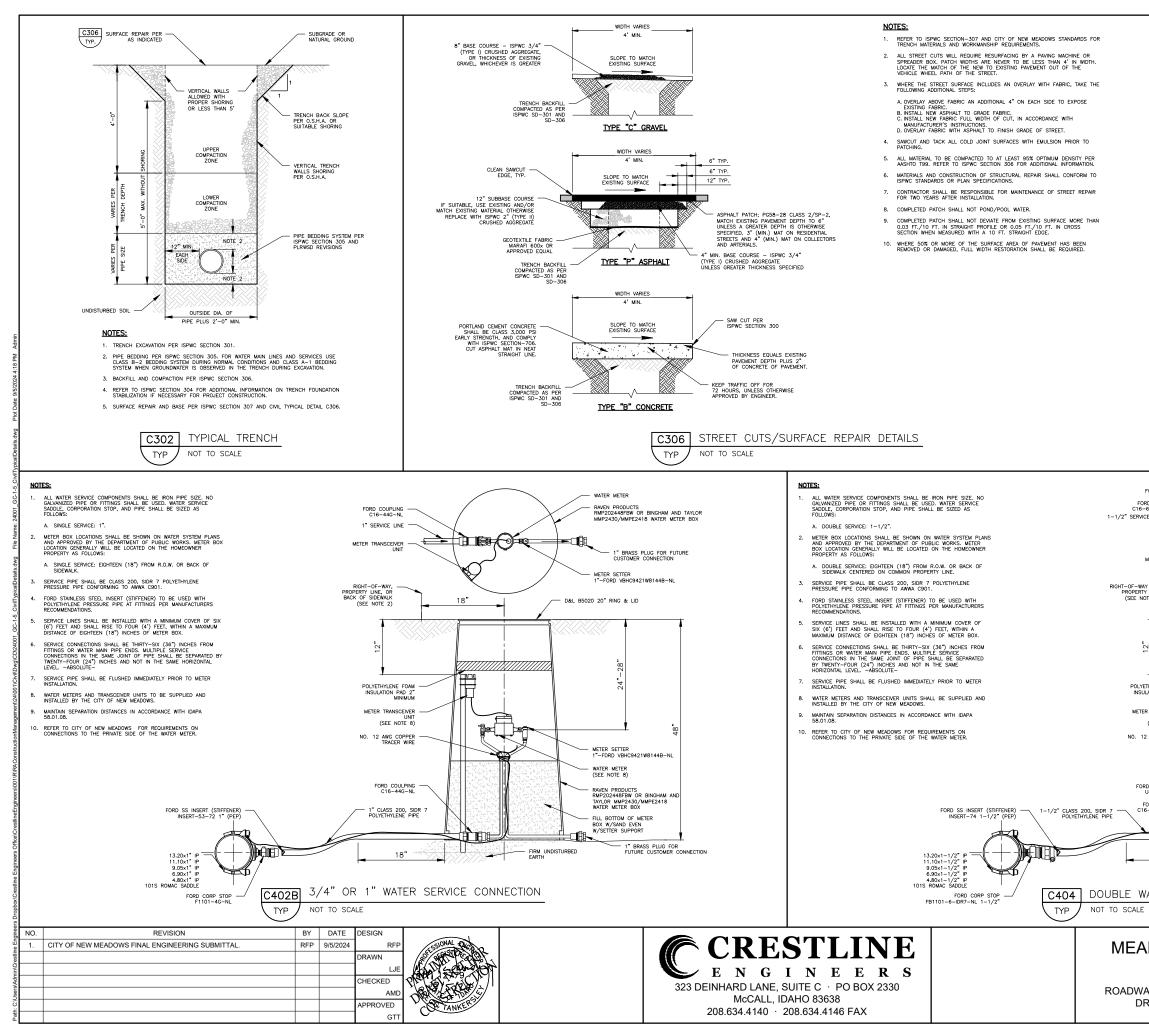


AY, SANITARY SEWER, DOMESTIC WATER, GRADING,
RAINAGE, AND STORMWATER IMPROVEMENTS
DRAINAGE AND STORMWATER MANAGEMENT PLAN - 2

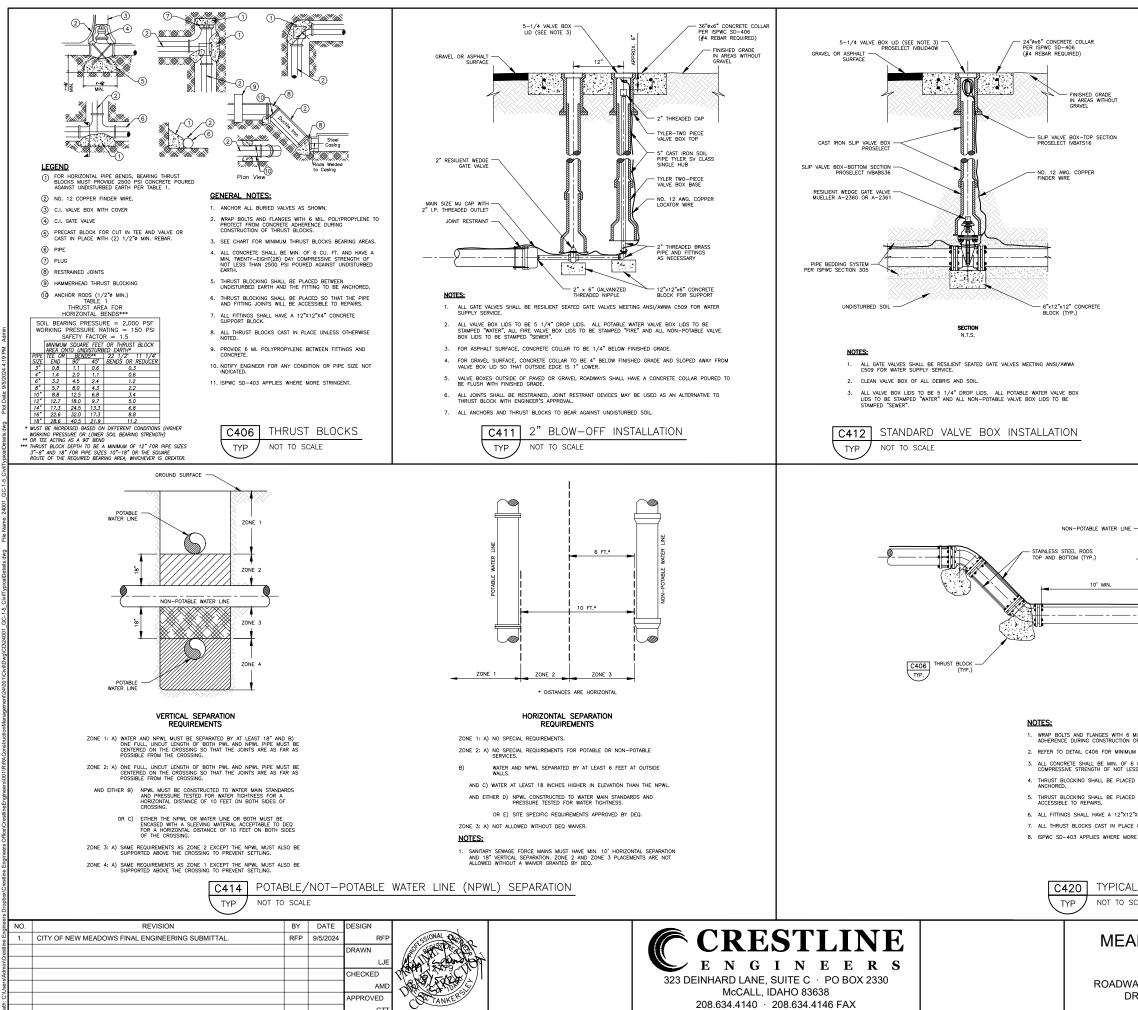
BAR IS ONE INCH ON FULL SIZE DRAWING 0				
PROJECT	24001			
DATE	9/5/2024			
DRAWING NO.	SHEET NO.			
C-7	9 OF 16			







TORD UV BRANCH UBB-64-9-NL D COUPLING 6-IDR7-NL E LINE E LINE	AM AND TAYLOR ER METER BOX	
AFTER TRANSCEIVER	DR FUTURE TION	
UNIT METER SETTER 1°-FORD VBHC9421W8144 (TVP. OF 2)	₽-NL	
TE 2) 18" D&L B5020 20" RING & LID	•	
ATTON PAD 2*		
(SEE NOTE 8) AWG COPPER TRACER WIRE 2 EA. METER SETTER	48"	
D "U" BRANCH	3-NL	
RM 202449FBW OR BINCH FGB COUPLING -66-IDR7-NL FIL BOTTO OF METER BOX W/SAUD EVEN BOX W/SAUD EVEN BOX W/SAUD EVEN BOX W/SAUD EVEN	M AND 18	
1" BRASS PLU	IG FOR MER CONNECTION	
ATER SERVICE CONNECTION		
		Y SCALE
DOWS SUBDIVISION PHASE 1A NEW MEADOWS, IDAHO		NE INCH ON E DRAWING 1" 24001
AY, SANITARY SEWER, DOMESTIC WATER, GRADING, RAINAGE, AND STORMWATER IMPROVEMENTS	DATE DRAWING NO.	9/5/2024 SHEET NO.
CIVIL TYPICAL DETAILS - 1	GC-1	12 OF 16



GT

POTABLE WATER LINE		
IIL POLYPROPYLENE TO PROTECT FROM CONCRETE JF THRUST BLOCKS.		
THRUST BLOCKS BEARING AREAS.		
CU. FT. AND HAVE A MIN. TWENTY-EIGHT (28) DAY S THAN 2,500 PSI POURED AGAINST UNDISTURBED EARTH.		
BETWEEN UNDISTURBED EARTH AND THE FITTING TO BE		
SO THAT THE PIPE AND FITTING JOINTS WILL BE		
X4" CONCRETE SUPPORT BLOCK.		
UNLESS OTHERWISE NOTED. E STRINGENT.		
L STRINGENT.		
WATER LINE LOWERING		
CALE		
	VERIFY	SCALE
DOWS SUBDIVISION PHASE 1A	FULL SIZE	E INCH ON DRAWING
NEW MEADOWS, IDAHO	0 PROJECT	1"
NEW MEADOWS, IDAIIO	DATE	9/5/2024
AY, SANITARY SEWER, DOMESTIC WATER, GRADING,	DRAWING NO.	SHEET NO.
RAINAGE, AND STORMWATER IMPROVEMENTS		
CIVIL TYPICAL DETAILS - 2	GC-2	13 OF 16

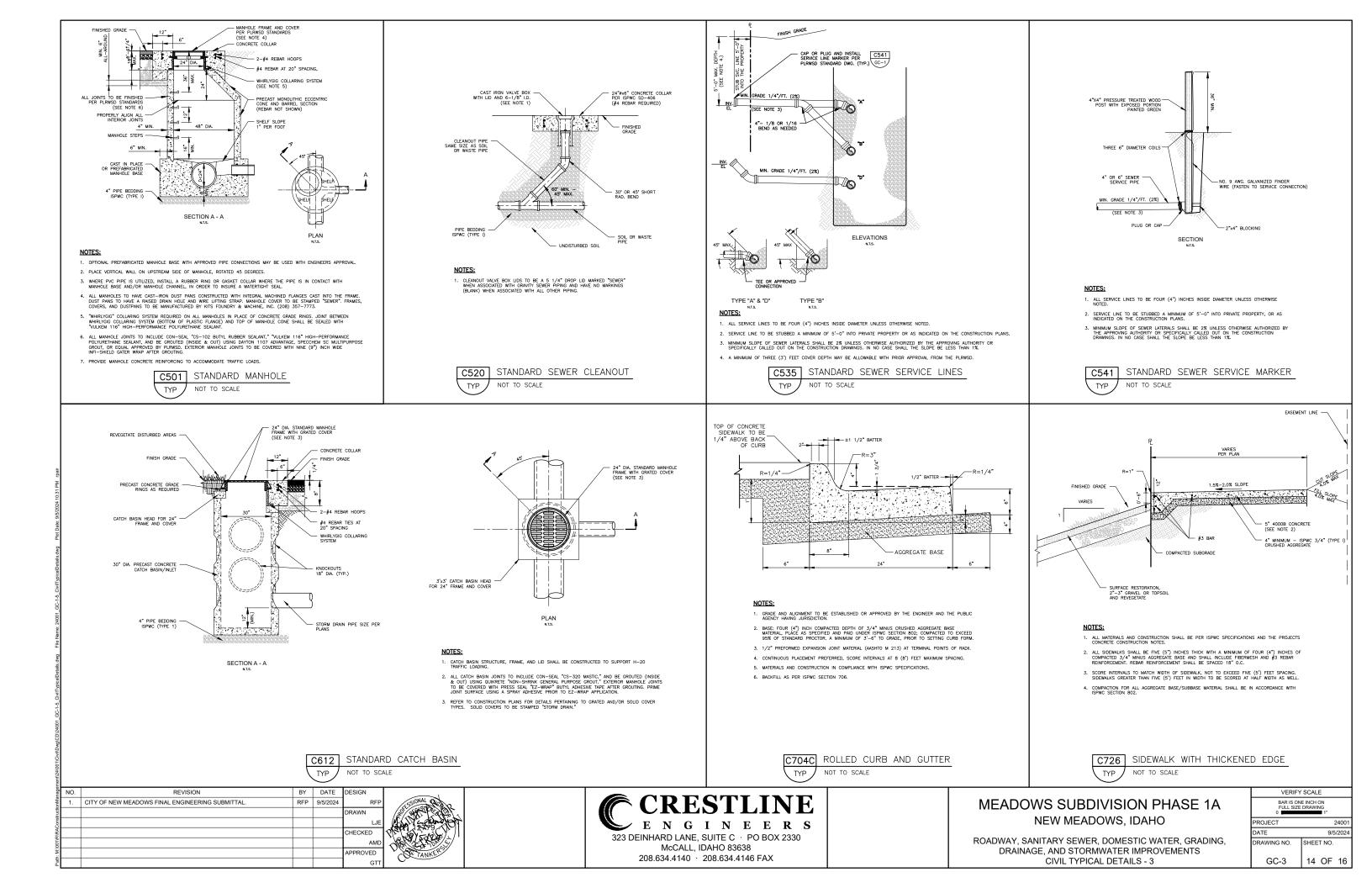
MECHANICAL RESTRAINT (TYP.)

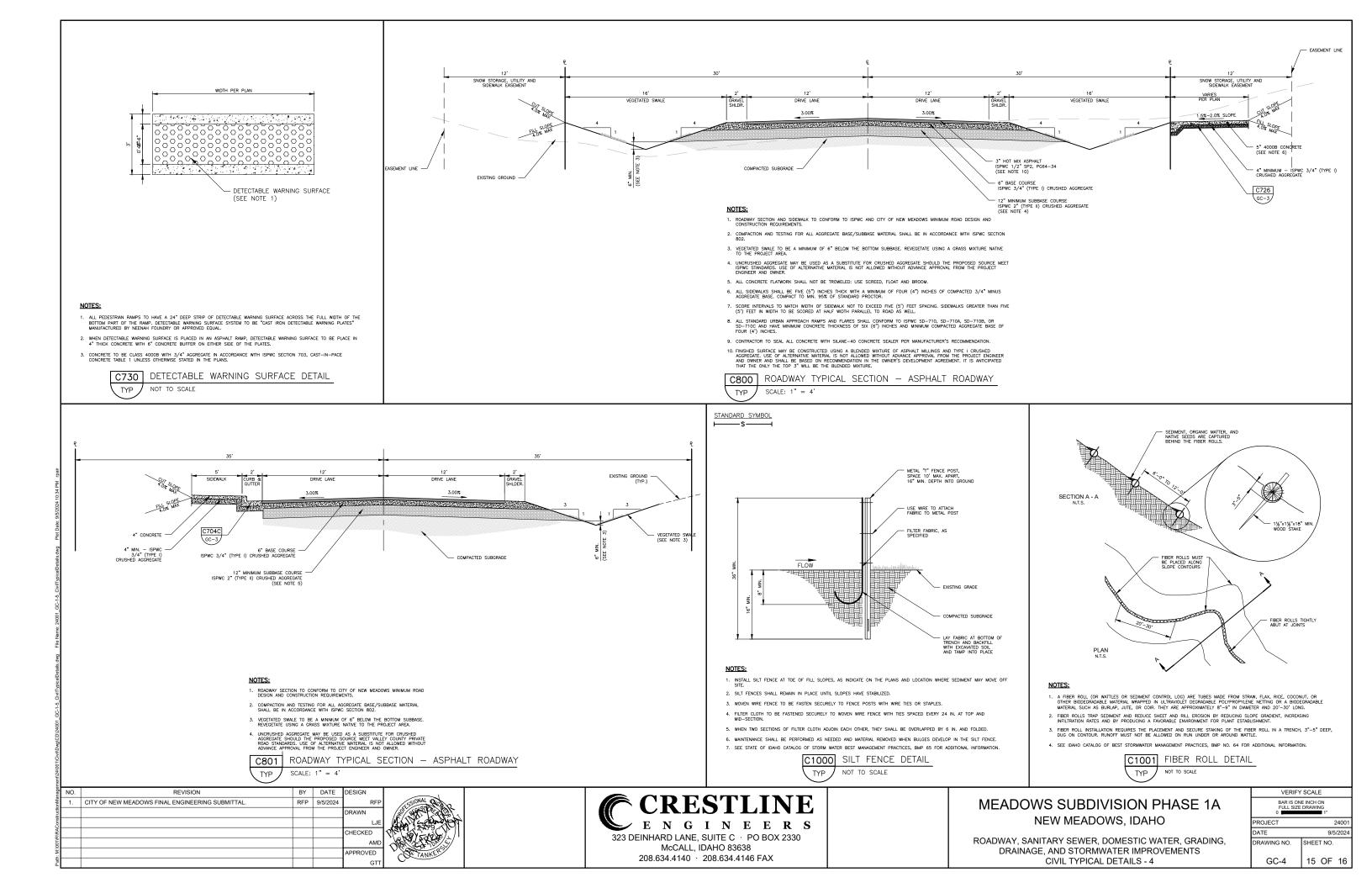
STAINLESS STEEL ANCHOR RODS (TYP.) (1/2" Ø MIN.)

NO. 12 AWG. COPPER FINDER WIRE

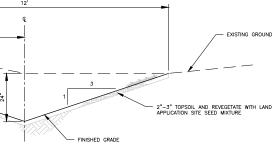
45" BEND (TYP.)

18" MIN. SEPARATION





PO- TYP. OR MATCH EXISTING GROUND, CUT AND GROE AS REQUIRED TYP. OR MATCH EXISTING GROUND, CUT AND FOOTING TEENCH UNDER BASE BOULDER (SEE NOTE 2) FINISHED GROE GROE GROE GROE GROE GROE GROE GROE	VI Date of the section of the sectio	CIT SOCIAL GROUND	6' 6' 12' C C C C C C C C C C C C C
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 WATERIAL FROM THE SLOPE AND PLACE IT BEHIND THE ROCK WALL SLOPE ABOVE THE WALL SHOULD BE MAINTAINED AT 2:1 OR LESS WITH A SLOPEENCH AT THE TOE. BACKFILL THE FOOTING TRENCH WITH EXCAVED 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 PREMABILITY OF THE SUBGROUS SOL VERPTY DRAINGE NEEDS WITH A CONTON THERMAL EVALUATION. 1004 BOULDER SLOPE STABILIZATION	CULVERT WITH END SECTION 6'-6" RIPRAP, 0'-12' THICK SECTION A - A M.T.S. C1230 OUTLET PROTECTION TYP NOT TO SCALE	MANAGEM	IDAHO DEPARTMENT OF ENVIRONMENTALLY QUALITY'S CATALOG OF STORMWATER BEST NT PRACTICES, VOLUME 4, SECTION 3, BMP 1 AT DAHO.GOV/MEDIA/B22263-STORMWATER.PDF FOR ADDITIONAL INFORMATION. BIOFILTRATION SWALE (VEGETATED SWALE) NOT TO SCALE
NO. REVISION BY DATE DESIGN   1. CITY OF NEW MEADOWS FINAL ENGINEERING SUBMITTAL. RFP 9/5/2024 RFP   1. CITY OF NEW MEADOWS FINAL ENGINEERING SUBMITTAL. RFP 9/5/2024 RFP   1. CITY OF NEW MEADOWS FINAL ENGINEERING SUBMITTAL. RFP 9/5/2024 RFP   1. CITY OF NEW MEADOWS FINAL ENGINEERING SUBMITTAL. RFP 9/5/2024 RFP   1. CITY OF NEW MEADOWS FINAL ENGINEERING SUBMITTAL. RFP 9/5/2024 RFP   1. CITY OF NEW MEADOWS FINAL ENGINEERING SUBMITTAL. RFP 9/5/2024 RFP   1. CITY OF NEW MEADOWS FINAL ENGINEERING SUBMITTAL. RFP 9/5/2024 LIJE   1. CITY OF NEW MEADOWS FINAL ENGINEERING SUBMITTAL. RFP 9/5/2024 LIJE   1. CITY OF NEW MEADOWS FINAL ENGINEERING SUBMITTAL. RFP 9/5/2024 LIJE   1. CITY OF NEW MEADOWS FINAL ENGINEERING SUBMITTAL. RFP 9/5/2024 LIJE   1. CITY OF NEW MEADOWS FINAL ENGINEERING SUBMITTAL. RFP 9/5/2024 LIJE   1. CITY OF NEW MEADOWS FINAL ENGINEERING SUBMITTAL. RFP 9/5/2024 LIJE   1. CITY OF NEW MEADOWS FINAL ENGINEERING SUBMITTAL. RFP 9/5/2024	E N G 323 DEINHARD LANE, S	STLINE INERS SUITE C · PO BOX 2330 DAHO 83638 208.634.4146 FAX	MEADOWS SUBDIVISION PHASE 1A NEW MEADOWS, IDAHO ROADWAY, SANITARY SEWER, DOMESTIC WATER, GRADING, DRAINAGE, AND STORMWATER IMPROVEMENTS



CIVIL TYPICAL DETAILS

VERIFY SCALE	
BAR IS ONE INCH ON	

0 1"	
PROJECT	24001
DATE	9/5/2024
DRAWING NO.	SHEET NO.
GC-5	16 OF 16