# TOWN OF ERIE POLICE DEPARTMENT ADDITION & RENOVATION

## SITE PLAN SP2025-00009 & SRU2025-00001

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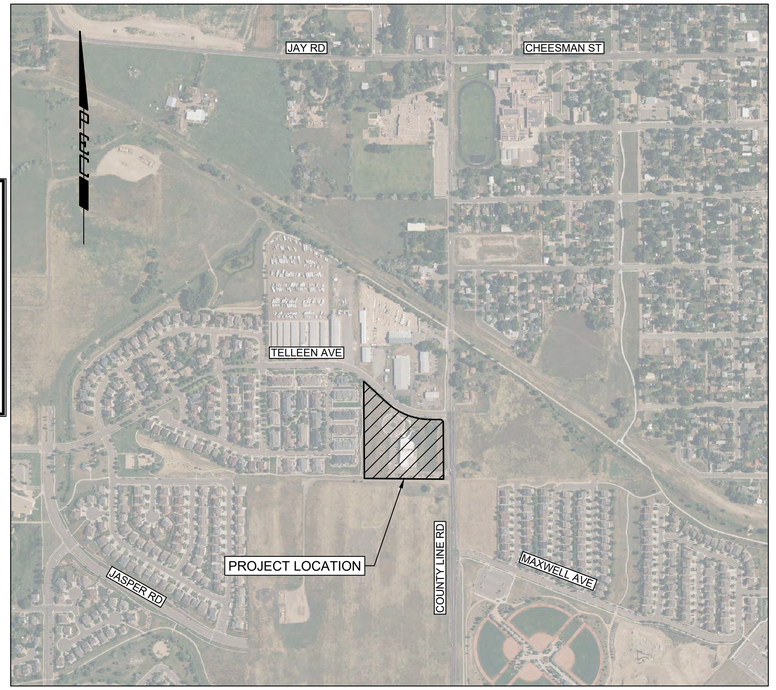
**Accepted by**
**TOWN OF ERIE**
**PARKS & RECREATION DEPARTMENT**

All work shall be constructed in conformance with current Town of Erie Standards and Specifications, as amended. This drawing set has been reviewed and found to be in general compliance with the Standards and Specifications and other Town requirements. This acceptance shall not be construed to relieve any requirement to the Standards and Specifications not specifically addressed in these plans. IN ADDITION, THE DESIGN REMAINS THE RESPONSIBILITY OF THE PROFESSIONAL LANDSCAPE ARCHITECT WHOSE STAMP AND SIGNATURE APPEAR HEREON.

LUKE BOLINGER, DIRECTOR OF PARKS & RECREATION _____ DATE _____

1000 TELLEEN AVE

LOT 2, BLOCK 9, CREEKSIDE SUBDIVISION, CONTAINED WITHIN THE SE 1/4 OF SECTION 13, T1N, R69W, 6TH P.M., TOWN OF ERIE, COUNTY OF BOULDER, STATE OF COLORADO, CONTAINING 242,266 SQUARE FEET OR 5.562 ACRES, MORE OR LESS.




LOCATION MAP
SCALE: 1"=500'

## SITE DATA SUMMARY CHART

ZONE DISTRICT: COMMUNITY MIXED USE (CMU)

| ITEM | SQUARE FOOTAGE | % OF GROSS SITE |
|---|---|---|
| GROSS SITE AREA | 242,266 | 100.0% |
| HARDSCAPE AREA | | |
| BUILDING FOOTPRINT | 35,200 | 14.5% |
| PARKING/ROADS | 79,606 | 32.8% |
| TRAILS AND SIDEWALKS | 8,558 | 3.5% |
| TOTAL | 123,364 | 50.9% |
| LANDSCAPE AREA | | |
| PROPOSED PLANTED AREA | 42,797 | 17.7% |
| EXISTING VEGETATION | 59,203 | 24.4% |
| TOTAL | 102,000 | 42.1% |
| ITEM | DESCRIPTION | |
| BUILDING | | |
| STORIES | 2 STORIES | |
| EXISTING USE: PUBLIC SAFETY STATION | 17,971 SF | |
| PROPOSED USE: PUBLIC SAFETY STATION | +17,229 SF | |
| TOTAL | 35,200 SF | |
| PARKING | | |
| TOTAL STANDARD REQUIRED | 150 SPACES | |
| TOTAL ACCESSIBLE REQUIRED | 6 SPACES | |
| TOTAL BICYCLE PARKING REQUIRED | 6 SPACES | |
| TOTAL EVSE (2%) | 3 SPACES | |
| TOTAL EV READY (8%) | 12 SPACES | |
| TOTAL EV CAPABLE (10%) | 15 SPACES | |
| TOTAL EV CAPABLE LIGHT SPACE (10%) | 15 SPACES | |
| STANDARD PROVIDED | 159 SPACES | |
| ACCESSIBLE PROVIDED | 6 SPACES | |
| BICYCLE PARKING PROVIDED | 8 SPACES | |
| EVSE PROVIDED | 15 SPACES | |
| EV READY PROVIDED | 15 SPACES | |
| EV CAPABLE PROVIDED | 15 SPACES | |
| EV CAPABLE LIGHT SPACE PROVIDED | 15 SPACES | |

**SITE PLAN APPROVAL CERTIFICATE**

THIS SRU SITE PLAN HAS BEEN REVIEWED AND FOUND TO BE COMPLETE AND IN ACCORDANCE WITH APPLICABLE TOWN OF ERIE REGULATIONS.

Mayor _____ Date _____ Public Hearing Date _____

The undersigned as the owner or owner's representative of the lands described herein, hereby agrees on behalf of himself/herself, their heirs, successors, and assigns to develop and maintain the property described hereon in accordance with this approved Site Plan and in compliance with the Town of Erie Unified Development Code and Municipal Code.

(owner signature) _____ (owner printed) _____

Acknowledged before me this _____ day of _____, 20___.

by _____ as _____.

Witness my hand and official seal

Notary Public _____ (seal)

My commission expires: _____

PROJECT OWNER AND CONSULTANTS


PROPERTY OWNER
TOWN OF ERIE
645 HOLBROOK ST
ERIE, CO 80516
303.926.2700

ARCHITECT
D2C ARCHITECTS, INC
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RVI PLANNING + LANDSCAPE ARCHITECTURE
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NOTE:

UDC SECTION 10-6-4.F.4 ALLOWS FENCE HEIGHT EXCEPTIONS VIA SPECIAL REVIEW USE APPROVAL IN THE CMU ZONE DISTRICT. REQUEST IS FOR A 6' SOLID FENCE ALONG THE TRAIL CORRIDOR, AND UP TO 8' FENCE TO SCREEN THE TRASH ENCLOSURE.

# OCTOBER 2025

**Fence Heights Approved Via SRU - UDC Section 10-6-4.F.4**

*UDC Section 10-6-4.F.4 allows fence height exceptions via Special Review Use approval in the CMU Zone District. This project proposes a 6' solid fence along the trail corridor, and up to 8' fence to screen the trash enclosure. This request is hereby approved with the approval of this SRU.*


D2C ARCHITECTS
PEC
PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
351 LINDEN ST, STE 100
FORT COLLINS, CO 80524
970-232-9558 www.pec1.com



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| MARK | DESCRIPTION | DATE | APPR. |
|---|---|---|---|

ISSUE DATE: **OCTOBER 14, 2025**
CONSULTANT'S PROJECT #: 240667-000
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:
DESIGN BY: NAR
D2C PROJECT NUMBER: 202420
DRAWN BY: CJR
CKD BY: KJB
SBMT BY: NAR
PLOT DATE: 2/17/2025 10:05:48 AM
PLOT SCALE:
SIZE: 22" X 34"
FILE NAME: 240667-000 C001 - COVER SHEET.dwg

***DESIGN DEVELOPMENT***

NOT FOR CONSTRUCTION

TOWN OF ERIE
ERIE PD - ADDITION & RENOVATION
1000 TELLEEN AVENUE, ERIE, COLORADO 80516
COVER SHEET

**SHEET IDENTIFICATION**
C-001

# GENERAL NOTES

1. ALL CONSTRUCTION SHALL CONFORM TO THE LATEST "STANDARDS AND SPECIFICATIONS FOR DESIGN AND CONSTRUCTION OF PUBLIC IMPROVEMENTS" BY THE TOWN OF ERIE. COPIES OF THE TOWN OF ERIE STANDARDS AND SPECIFICATIONS MAY BE OBTAINED FROM THE TOWN OF ERIE WEB SITE. CONTRACTOR SHALL HAVE A SET ON SITE AT ALL TIMES.

2. A PRE-CONSTRUCTION MEETING SHALL BE HELD WITH THE TOWN OF ERIE ENGINEERING STAFF PRIOR TO THE START OF CONSTRUCTION. ATTENDANCE SHALL BE IN ALIGNMENT WITH SECTION 100 OF THE STANDARDS AND SPECIFICATIONS. PLANS SIGNED AND ACCEPTED BY THE TOWN OF ERIE WILL BE DISTRIBUTED AT THE PRE-CONSTRUCTION MEETING. CONTRACTOR SHALL HAVE (1) COPY OF THE SIGNED PLANS ON SITE AT ALL TIMES.

3. THE TOWN OF ERIE, THROUGH ACCEPTANCE OF THIS DOCUMENT, ASSUMES NO RESPONSIBILITY FOR THE COMPLETENESS AND/OR ACCURACY OF THIS DOCUMENT. THE OWNER AND DESIGN ENGINEER UNDERSTAND THAT THE RESPONSIBILITY FOR THE ENGINEERING ADEQUACY OF THE FACILITIES DEPICTED IN THIS DOCUMENT LIES SOLELY WITH THE REGISTERED PROFESSIONAL ENGINEER WHOSE STAMP AND SIGNATURE ARE AFFIXED TO THIS DOCUMENT. REPORT ALL DISCREPANCIES TO THE DESIGN ENGINEER IMMEDIATELY.

4. PRIOR TO BEGINNING THE WORK, THE CONTRACTOR SHALL OBTAIN ANY/ALL WRITTEN AGREEMENTS FOR INGRESS AND EGRESS TO THE WORK SITE FROM ADJACENT PRIVATE PROPERTY OWNERS. A COPY OF ALL AGREEMENTS SHALL BE PROVIDED TO THE TOWN. ACCESS TO ANY ADJACENT PRIVATE PROPERTY SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.

5. ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION BY THE TOWN OF ERIE ENGINEERING STAFF. THE TOWN RESERVES THE RIGHT TO ACCEPT OR REJECT ANY SUCH MATERIALS AND WORKMANSHIP THAT DOES NOT CONFORM TO TOWN STANDARDS AND SPECIFICATIONS. INSPECTIONS AND ONSITE VISITS ARE NOT TO BE CONSTRUED AS A GUARANTEE BY THE TOWN ENGINEERING STAFF OF THE CONTRACTORS'' CONTRACTUAL COMMITMENT. REQUESTS FOR INSPECTION BY THE TOWN OF ERIE SHALL BE MADE BY THE CONTRACTOR A MINIMUM OF TWENTY-FOUR (24) HOURS IN ADVANCE.

6. CONSTRUCTION WATER IS AVAILABLE TO THE CONTRACTOR AS ESTABLISHED IN THE TOWN OF ERIE STANDARDS AND SPECIFICATIONS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE TOWN OF ERIE REGARDING CURRENT REGULATIONS, FEES AND REQUIRED AGREEMENTS RELATED TO THE PROVISION OF CONSTRUCTION WATER.

7. THE CONTRACTOR SHALL COORDINATE HIS ACTIVITIES WITH THE AFFECTED UTILITY COMPANIES AND SHALL NOTIFY THE UTILITY NOTIFICATION CENTER, PHONE NUMBER 811, THREE (3) BUSINESS DAYS PRIOR TO THE START OF CONSTRUCTION.

8. UTILITIES IN THE AREA OF CONSTRUCTION ARE APPROXIMATE ONLY. THEY HAVE BEEN LOCATED FROM FIELD INVESTIGATION AND THE BEST AVAILABLE UTILITY RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION, PROTECTION AND REPAIR OF ALL UTILITIES ENCOUNTERED DURING CONSTRUCTION WHETHER SHOWN ON THESE PLANS OR NOT. THE CONTRACTOR SHALL CONTACT ALL RESPECTIVE UTILITIES AND HAVE ALL UTILITIES FIELD-LOCATED PRIOR TO CONSTRUCTION. IF ANY UNKNOWN SUBSURFACE STRUCTURES ARE ENCOUNTERED DURING CONSTRUCTION, IT SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE TOWN OF ERIE ENGINEERING STAFF AND DESIGN ENGINEER PRIOR TO PROCEEDING.

9. THE CONTRACTOR SHALL NOTIFY TOWN OF ERIE ENGINEERING STAFF OF ANY PROBLEM IMPACTING WATER AND WASTE WATER FACILITIES THAT WOULD POTENTIALLY REQUIRE A VARIANCE FROM THE APPROVED PLANS AND SPECIFICATIONS. ANY VARIANCE FROM THE APPROVED DOCUMENTS SHALL BE AT THE SOLE DISCRETION OF THE TOWN OF ERIE ENGINEERING STAFF.

10. CONTRACTOR SHALL OBTAIN, AT HIS OWN EXPENSE, ALL APPLICABLE SPECIFICATIONS AND PERMITS NECESSARY TO PERFORM THE PROPOSED WORK.

11. AS-BUILT DRAWINGS AS REQUIRED IN THE SPECIFICATIONS, ARE TO BE SUBMITTED BY THE OWNER/DEVELOPER PRIOR TO INITIAL ACCEPTANCE OF THE CONSTRUCTION.

12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND REPLACING ANY EXISTING SIGNS, STRUCTURES, FENCES, ETC., ENCOUNTERED ON THE JOB AND RESTORING THEM TO THEIR ORIGINAL CONDITION.

13. THE CONTRACTOR IS RESPONSIBLE FOR:

13.1. NOTIFYING THE TOWN OF ERIE UTILITY CUSTOMERS OF POTENTIAL SERVICE OUTAGES, AND COORDINATE WITH THE TOWN OF ERIE FOR DETERMINATION OF MINIMUM TIME REQUIREMENT.

13.2. NOTIFYING THE TOWN OF ERIE ENGINEERING STAFF IF WORK IS SUSPENDED FOR ANY PERIOD OF TIME AFTER INITIAL START-UP. THE CONTRACTOR SHALL NOTIFY THE TOWN OF ERIE FORTY-EIGHT (48) HOURS PRIOR TO RESTART.

13.3. IN THE EVENT OF AN AFTER HOURS EMERGENCY, CALL 303-441-4444.

13.4. NOTIFYING THE MOUNTAIN VIEW FIRE PROTECTION DISTRICT OF ALL STREET CLOSURES AND EXISTING FIRE HYDRANTS TAKEN OUT OF SERVICE A MINIMUM OF FORTY-EIGHT (48) HOURS PRIOR TO THE START OF CONSTRUCTION.

14. PRIOR TO INSTALLATION OF UTILITY MAINS, ROAD CONSTRUCTION MUST HAVE COMPLETED THE OVER LOT GRADING STAGE.

15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MANAGING ANY GROUNDWATER ENCOUNTERED DURING THE CONSTRUCTION OF ANY PORTION OF THIS PROJECT. GROUNDWATER MUST BE MANAGED PER THE REQUIREMENTS IDENTIFIED BY THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT (CDPHE). GROUNDWATER SHALL BE PUMPED, PIPED, REMOVED AND DISPOSED OF IN A MANNER WHICH DOES NOT CAUSE FLOODING OF EXISTING STREETS OR EROSION OF ABUTTING PROPERTIES IN ORDER TO CONSTRUCT THE IMPROVEMENTS SHOWN ON THESE PLANS. THE USE OF ANY SANITARY SEWER TO DISPOSE OF TRENCH WATER WILL NOT BE PERMITTED. NO CONCRETE SHALL BE PLACED WHERE GROUNDWATER IS VISIBLE OR UNTIL THE GROUNDWATER TABLE HAS BEEN LOWERED BELOW THE PROPOSED IMPROVEMENTS. ANY UNSTABLE AREAS, AS A RESULT OF GROUNDWATER, ENCOUNTERED DURING THE CONSTRUCTION OF THE PROPOSED IMPROVEMENTS SHALL BE STABILIZED AS AGREED UPON BY THE CONTRACTOR, THE TOWN OF ERIE, AND THE DESIGN ENGINEER AT THE TIME OF THE OCCURRENCE.

16. IT SHALL BE THE RESPONSIBILITY OF THE DESIGN ENGINEER TO RESOLVE CONSTRUCTION PROBLEMS WITH THE TOWN OF ERIE DUE TO CHANGED CONDITIONS ENCOUNTERED BY THE CONTRACTOR DURING THE PROGRESS OF ANY PORTION OF THE PROPOSED WORK. IF, IN THE OPINION OF THE TOWN OF ERIE, PROPOSED ALTERATIONS TO THE SIGNED CONSTRUCTION PLANS INVOLVES SIGNIFICANT CHANGES TO THE CHARACTER OF THE WORK, OR TO THE FUTURE CONTIGUOUS PUBLIC OR PRIVATE IMPROVEMENTS, THE DESIGN ENGINEER SHALL BE RESPONSIBLE FOR SUBMITTING REVISED PLANS TO THE TOWN OF ERIE FOR REVIEW, PRIOR TO ANY FURTHER CONSTRUCTION RELATED TO THAT PORTION OF THE WORK.

17. DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS AT AND ADJACENT TO THE JOB INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FLAGMEN, OR OTHER DEVICES NECESSARY TO PROVIDE FOR PUBLIC SAFETY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND IS NOT LIMITED TO NORMAL WORKING HOURS. THE TOWN OF ERIE OR THE DESIGN ENGINEER EXERCISE NO CONTROLS OVER THE SAFETY OR ADEQUACY OF ANY EQUIPMENT, BUILDING COMPONENTS, SCAFFOLDING, FORMS OR OTHER WORK AIDS USED IN OR ABOUT THE PROJECT, OR IN THE SUPERINTENDING OF THE SAME. THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD HARMLESS FROM ANY AND ALL LIABILITY, REAL AND ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER, THE DESIGN ENGINEER OR THE TOWN. THE TOWN OF ERIE ENGINEERING STAFF, OR ANY CONTRACTED ENGINEER, ARE NOT RESPONSIBLE FOR SAFETY IN, ON OR ABOUT THE PROJECT SITE, NOR FOR COMPLIANCE BY THE APPROPRIATE PARTY OF ANY REGULATIONS RELATING THERETO.

18. WORK IN PUBLIC STREETS, ONCE BEGUN, SHALL BE PROSECUTED TO COMPLETION WITHOUT DELAY SO AS TO PROVIDE MINIMUM INCONVENIENCE TO ADJACENT PROPERTY OWNERS AND TO THE TRAVELING PUBLIC.

19. REGULAR WORK HOURS ARE SEVEN (7) A.M. UNTIL SEVEN (7) P.M. OR DUSK (WHICHEVER OCCURS FIRST) OF THE SAME DAY, MONDAY THROUGH FRIDAY. THE CONTRACTOR WILL NOT PERMIT OVERTIME WORK OUTSIDE OF REGULAR WORKING HOURS OR THE PERFORMANCE OF WORK ON SATURDAY, SUNDAY OR ANY LEGAL HOLIDAY WITHOUT RECEIVING WRITTEN CONSENT FROM THE TOWN ENGINEER. REQUESTS FOR WEEKEND WORK APPROVAL MUST BE SUBMITTED, IN WRITING TO THE TOWN OF ERIE NO LATER THAN WEDNESDAYS AT 3:30 PM FOR SUBSEQUENT WEEKEND AND REQUESTS FOR HOLIDAY WORK APPROVAL MUST BE SUBMITTED, IN WRITING TO THE TOWN OF ERIE NO LATER THAN 7:00 AM - 2 BUSINESS DAYS PRIOR TO THE HOLIDAY. WHEN APPROVED, STANDARD WORK HOURS FOR WEEKENDS AND HOLIDAYS ARE EIGHT (8) A.M. UNTIL FOUR (4) P.M. OR AS STIPULATED BY THE TOWN ENGINEER. WORK HOURS FOR WORK IN ACTIVE ROW SHALL BE SUBJECT TO APPROVAL OF THE TOWN ENGINEER AND SHALL BE CONSIDERED ON A CASE BY CASE BASIS. ALL EXPENSES INCURRED BY THE TOWN SHALL BE REIMBURSED AT A RATE TO BE DETERMINED BY DIRECTOR OF FINANCE.

20. THE CONTRACTOR SHALL TAKE ALL NECESSARY AND PROPER PRECAUTIONS TO PROTECT ADJACENT PROPERTIES FROM ANY AND ALL DAMAGE THAT MAY OCCUR FROM STORM WATER RUNOFF AND/OR DEPOSITION OF DEBRIS RESULTING FROM ANY AND ALL WORK. THE OWNER/CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL APPROPRIATE PERMITS FROM BOTH THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT AND THE TOWN OF ERIE FOR ANY PROJECT DISTURBING ONE ACRE OR MORE OR ANY PROJECT LESS THAN ONE ACRE THAT IS PART OF A LARGER COMMON PLAN OF DEVELOPMENT.

21. EACH TYPE OF CONSTRUCTION SHALL BE COMPLETED BY A CONTRACTOR THAT HAS DEMONSTRATED ACCEPTABLE QUALIFICATIONS TO THE TOWN AND IS A LICENSED CONTRACTOR IN THE TOWN OF ERIE.

22. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL DURING CONSTRUCTION. ALL TRAFFIC CONTROLS SHALL CONFORM TO THE TOWN OF ERIE STANDARDS AND SPECIFICATIONS AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, (MUTCD) LATEST EDITIONS. A PLAN SHALL BE SUBMITTED TO THE TOWN FOR REVIEW AND ACCEPTANCE PRIOR TO CONSTRUCTION.

23. ALL BACKFILL SHALL CONFORM TO THE TRENCH DETAIL LOCATED IN THE TOWN OF ERIE STANDARDS & SPECIFICATIONS.

24. THE OWNER/OPERATOR IS RESPONSIBLE FOR ENSURING THE IMMEDIATE REMOVAL OF ANY CONSTRUCTION DEBRIS OR MUD TRACKED ONTO EXISTING ROADWAYS.

25. THE CONTRACTOR SHALL REPAIR ANY EXCAVATION OR PAVEMENT FAILURES CAUSED BY HIS CONSTRUCTION.

26. THE CONTRACTOR SHALL RENEW OR REPLACE ANY EXISTING TRAFFIC STRIPING AND/OR PAVEMENT MARKINGS, WHICH HAVE BEEN EITHER REMOVED OR THE EFFECTIVENESS OF WHICH HAS BEEN REDUCED DURING HIS OPERATION. RENEWAL OF PAVEMENT STRIPING AND MARKING SHALL BE DONE IN CONFORMANCE WITH THE TOWN OF ERIE STANDARD SPECIFICATIONS.

27. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO TAKE EVERY MEASURE NECESSARY TO COMPLY WITH ANY STATE, COUNTY OR TOWN DUST CONTROL ORDINANCE.

28. CONSTRUCTION VEHICLES SHALL USE TRUCK ROUTES DESIGNATED BY THE TOWN.

29. THE OWNER/DEVELOPER WILL BE HELD RESPONSIBLE FOR THE PROPER FUNCTIONING OF THE IMPROVEMENTS FOR A MINIMUM OF TWO (2) YEARS FROM THE DATE OF INITIAL ACCEPTANCE OF THE IMPROVEMENTS BY THE TOWN OF ERIE. ANY FAILURE DURING THIS PERIOD OF GUARANTEE SHALL BE REMEDIED BY THE OWNER/CONTRACTOR TO THE SATISFACTION OF THE TOWN OF ERIE AT NO EXPENSE TO THE TOWN.

30. THE SOILS ENGINEER SHALL PERFORM SUFFICIENT INSPECTIONS DURING GRADING AND CONSTRUCTION SO THAT AN OPINION CAN BE RENDERED AND VERIFIED IN WRITING AS TO COMPLIANCE WITH THE PLANS AND CODES WITHIN THE SOILS ENGINEER'S PURVIEW.

31. THE CONTRACTOR SHALL NOTIFY THE TOWN WITHIN 24 HOURS OF BECOMING AWARE OF A DISCHARGE OF ANY POLLUTANT INTO THE MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4). THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR REMEDIATION OF ANY ADVERSE IMPACTS TO THE MS4, RECEIVING WATERS, WATERWAYS, WETLANDS, OR OTHER PUBLIC OR PRIVATE PROPERTIES, RESULTING FROM WORK DONE AS PART OF THIS PROJECT.

# GRADING NOTES

1. ALL CONSTRUCTION ACTIVITIES THAT DISTURBS ONE OR MORE ACRES OF LAND, AS WELL AS ACTIVITIES THAT DISTURB LESS THAN ONE ACRE OF LAND, BUT IS PART OF A LARGER COMMON PLAN OF DEVELOPMENT, MUST COMPLY WITH BOTH LOCAL AND STATE REGULATIONS REGARDING STORMWATER DRAINAGE ON CONSTRUCTION SITES. OWNERS OR CONTRACTORS MUST OBTAIN A COLORADO STORMWATER DISCHARGE PERMIT FOR CONSTRUCTION ACTIVITIES FROM THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT (CDPHE) AND A GRADING AND STORMWATER QUALITY PERMIT FROM THE TOWN OF ERIE. CONTRACTOR SHALL:

1.1. MAINTAIN A COPY OF THE STORM WATER MANAGEMENT PLAN (SWMP) ONSITE AT ALL TIMES OR PROVIDE AN UPDATED DIGITAL COPY WITHIN TWO BUSINESS DAYS UPON REQUEST. THE SWMP MUST BE MAINTAINED AND MADE AVAILABLE TO TOWN OF ERIE INSPECTORS UPON REQUEST.

1.2. INSTALL AND MAINTAIN EROSION, SEDIMENT, AND MATERIALS MANAGEMENT CONTROL MEASURE AS SPECIFIED IN THE SWMP.

1.3. INSPECT ALL CONTROL MEASURES AT LEAST EVERY SEVEN (7) DAYS OR EVERY FOURTEEN (14) DAYS AND WITHIN TWENTY FOUR (24) HOURS AFTER ANY PRECIPITATION OR SNOWMELT EVENT THAT CAUSES SURFACE RUNOFF.

1.4. MAINTAIN INSPECTION AND MAINTENANCE RECORDS OF CONTROL MEASURES WITH THE SWMP. COPIES OF THESE REPORTS SHALL BE PROVIDED TO THE TOWN OF ERIE ENGINEERING STAFF.

1.5. BASED ON INSPECTIONS PERFORMED BY THE PERMIT HOLDER OR BY TOWN PERSONNEL, MODIFICATIONS TO THE SWMP WILL BE NECESSARY IF AT ANY TIME THE SPECIFIED CONTROL MEASURES DO NOT MEET THE OBJECTIVES OF THE PERMIT. ALL MODIFICATIONS SHALL BE COMPLETED AS SOON AS PRACTICABLE AFTER THE REFERENCED INSPECTION, AND SHALL BE RECORDED ON THE OWNER'S COPY OF THE SWMP.

1.6. THE OPERATOR SHALL AMEND THE SWMP WHENEVER THERE IS A SIGNIFICANT CHANGE IN DESIGN, CONSTRUCTION, OPERATION, OR MAINTENANCE, WHICH HAS A SIGNIFICANT EFFECT ON THE POTENTIAL FOR DISCHARGE OF POLLUTANTS TO THE RECEIVING WATERS, OR IF THE SWMP PROVES TO BE INEFFECTIVE IN ACHIEVING THE GENERAL OBJECTIVES OF CONTROLLING POLLUTANTS IN STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES.

1.7. INSTALLATION AND MAINTENANCE OF CONTROL MEASURES SHALL BE SUPERVISED BY PERSONNEL CERTIFIED IN EROSION AND SEDIMENT CONTROL.

1.8. ALL APPROPRIATE CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE START OF EACH CONSTRUCTION PHASE.

1.9. APPROPRIATE STABILIZED CONSTRUCTION ENTRANCES WITH VEHICLE TRACKING CONTROLS INSTALLED SHALL BE UTILIZED AT ALL TIMES TO REDUCE THE TRACKOUT OF SEDIMENT. IF NON STRUCTURAL VEHICLE TRACKING CONTROLS ARE UTILIZED, CLEANUP OF TRACKOUT MUST OCCUR AT THE END OF EVERY BUSINESS DAY WITH CONSTRUCTION ACTIVITY OCCURRING.

2. ALL SITE GRADING (EXCAVATION, EMBANKMENT, AND COMPACTION) SHALL CONFORM TO THE RECOMMENDATIONS OF THE LATEST SOILS INVESTIGATION FOR THIS PROPERTY AND SHALL FURTHER BE IN CONFORMANCE WITH THE TOWN OF ERIE "STANDARDS AND SPECIFICATIONS FOR THE DESIGN AND CONSTRUCTION OF PUBLIC IMPROVEMENTS", LATEST EDITION.

3. ALL GRADING AND FILLING OPERATIONS SHALL BE OBSERVED, INSPECTED AND TESTED BY A LICENSED SOILS ENGINEER. ALL TEST RESULTS SHALL BE SUBMITTED TO THE TOWN OF ERIE ENGINEERING STAFF.

4. NATURAL VEGETATION SHALL BE RETAINED AND PROTECTED WHEREVER POSSIBLE. EXPOSURE OF SOIL TO EROSION BY REMOVAL OR DISTURBANCE OF VEGETATION SHALL BE LIMITED TO THE AREA REQUIRED FOR IMMEDIATE CONSTRUCTION OPERATION AND FOR THE SHORTEST PRACTICAL PERIOD OF TIME. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO AVOID ANY DAMAGE TO EXISTING FOLIAGE THAT LIES IN THE PROJECT AREA UNLESS DESIGNATED FOR REMOVAL AND SHALL BE LIABLE FOR SUCH DAMAGE AT HIS/HER EXPENSE.

5. TOPSOIL SHALL BE STOCKPILED TO THE EXTENT PRACTICABLE ON THE SITE FOR USE ON AREAS TO BE RE-VEGETATED. ANY AND ALL STOCKPILES SHALL BE LOCATED AND PROTECTED FROM EROSIVE ELEMENTS. IF MATERIALS ARE STORED OFFSITE, A WRITTEN USE AGREEMENT BETWEEN THE PERMITTEE AND THE OWNER/OPERATOR OF ANY CONTROL MEASURES BEING UTILIZED OUTSIDE OF THE PERMITTED AREA MUST BE MADE AVAILABLE TO TOWN PERSONNEL UPON REQUEST.

6. TEMPORARY VEGETATION/STABILIZATION SHALL BE INSTALLED ON ALL DISTURBED AREAS WHERE PERMANENT SURFACE IMPROVEMENTS ARE NOT SCHEDULED FOR IMMEDIATE INSTALLATION BUT NO LATER THAN FOURTEEN (14) DAYS. SEEDING WILL BE DONE ACROSS THE SLOPE FOLLOWING THE CONTOURS. VEGETATION SHALL CONFORM TO THE TOWN OF ERIE STANDARDS AND SPECIFICATIONS. PROJECT SCHEDULING SHOULD TAKE ADVANTAGE OF SPRING OR FALL PLANTING SEASONS FOR NATURAL GERMINATION. SEEDED AREAS SHALL BE IRRIGATED IN ACCORDANCE WITH THE TOWN OF ERIE'S STANDARDS AND SPECIFICATIONS.

7. AT ALL TIMES, A WATER TRUCK SHALL BE ON-SITE AND THE PROPERTY SHALL BE MAINTAINED AND/OR WATERED TO PREVENT WIND-CAUSED EROSION. EARTHWORK OPERATIONS SHALL BE DISCONTINUED WHEN FUGITIVE DUST SIGNIFICANTLY IMPACTS ADJACENT PROPERTY. IF EARTHWORK IS COMPLETE OR DISCONTINUED AND DUST FROM THE SITE CONTINUES TO CREATE PROBLEMS, THE OWNER/DEVELOPER SHALL IMMEDIATELY INSTITUTE MITIGATIVE MEASURES AND SHALL CORRECT DAMAGE TO ADJACENT PROPERTY.

8. FILL SLOPES SHALL BE COMPACTED BY MEANS OF SHEEPSFOOT COMPACTOR OR OTHER SUITABLE EQUIPMENT. COMPACTING SHALL CONTINUE UNTIL SLOPES ARE STABLE AND THERE IS NOT AN APPRECIABLE AMOUNT OF LOOSE SOIL ON THE SLOPES.

9. TEMPORARY CUT/FILL SLOPES SHALL ABIDE BY THE SOILS REPORT. PERMANENT SLOPES SHALL BE AS SHOWN ON PLANS.

10. DEPTH OF MOISTURE-DENSITY CONTROL SHALL BE FULL DEPTH ON ALL EMBANKMENT AND SIX (6) INCHES ON THE BASE OF CUTS AND FILLS.

11. OUTLET SIDES OF ALL STORM PIPES SHALL BE GRADED TO DRAIN AND SHALL HAVE SUFFICIENT EROSION PROTECTION.

12. THE PERMITTEE OR HIS AGENT SHALL NOTIFY THE SITE GEOTECHNICAL ENGINEER WHEN THE GRADING OPERATION IS READY FOR EACH OF THE FOLLOWING INSPECTIONS:

12.1. INITIAL INSPECTION WHEN THE PERMITTEE IS READY TO BEGIN WORK, BUT NOT LESS THAN TWO (2) DAYS BEFORE ANY GRADING OR GRUBBING IS STARTED.

12.2. AFTER THE NATURAL GROUND OR BEDROCK IS EXPOSED AND PREPARED TO RECEIVE FILL, BUT BEFORE FILL IS PLACED.

12.3. EXCAVATION INSPECTION AFTER THE EXCAVATION IS STARTED BUT BEFORE THE VERTICAL DEPTH OF THE EXCAVATION EXCEEDS TEN (10) FEET.

12.4. FILL INSPECTION AFTER THE FILL PLACEMENT IS STARTED, BUT BEFORE THE FILL EXCEEDS TEN (10) FEET.

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| MARK | DESCRIPTION | DATE | APPR. |
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NOT FOR CONSTRUCTION

TOWN OF ERIE
ERIE PD - ADDITION & RENOVATION
1000 TELLEEN AVENUE, ERIE, COLORADO 80516

GENERAL NOTES

**SHEET IDENTIFICATION**
C-002

# ROADWAY NOTES

1. ALL STATIONING IS BASED ON CENTERLINE OF ROADWAYS UNLESS OTHERWISE NOTED.

2. THE CONTRACTOR SHALL PREPARE THE SUBGRADE BY SCARIFYING THE UPPER ONE (1) FOOT OF THE SUBGRADE IN CUT AREAS OR AREAS WITH LITTLE OR NO FILL, UNLESS SPECIFIED IN THE SOILS REPORT. THE WORK SHALL CONFORM TO THE COLORADO DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS.

3. PAVEMENT SHALL NOT BE CONSTRUCTED UNTIL ALL UNDERGROUND UTILITIES HAVE BEEN INSTALLED, TESTED AND ACCEPTED BY THE TOWN OF ERIE ENGINEERING STAFF.

4. IT SHALL BE THE RESPONSIBILITY OF THE OWNER/CONTRACTOR TO SUPERVISE AND CERTIFY THAT PROPER COMPACTION HAS BEEN OBTAINED BY SUBCONTRACTORS AND AGENCIES CONCERNING UTILITY LINE BACKFILL INCLUDING, BUT NOT LIMITED TO, SEWER, WATER, ELECTRICAL, GAS AND LANDSCAPE IRRIGATION LINES AND ACCEPTED BY THE TOWN OF ERIE ENGINEERING STAFF AND THE SOILS ENGINEER.

5. STREET PAVING SHALL NOT START UNTIL:

   5.1. A SOILS REPORT AND PAVEMENT DESIGN IS ACCEPTED BY THE TOWN OF ERIE ENGINEERING STAFF.

   5.2. ALL STREETS ARE COMPACTED IN ACCORDANCE WITH THE SOILS REPORT AND THE TOWN OF ERIE SPECIFICATIONS.

   5.3. ALL COMPACTION TEST REPORTS HAVE BEEN SUBMITTED TO THE TOWN ENGINEERING STAFF PRIOR TO PROOF ROLLS.

   5.4. PROOF ROLLS ARE PERFORMED USING A LOADED SINGLE AXLE 2000 GALLON WATER TRUCK AND MONITORED BY THE TOWN OF ERIE ENGINEERING STAFF.

6. THE OWNER/CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING ALL UTILITY MANHOLE COVERS AND ACCESS LIDS TO GRADE.

7. ALL CONCRETE SHALL BE A MINIMUM OF CLASS B, IN CONFORMANCE WITH CDOT STANDARDS.

8. ALL CONCRETE EDGES MUST BE ROUNDED TO A FOURTH (1/4) INCH RADIUS, EXCEPT WHERE SHOWN OTHERWISE ON DRAWINGS.

9. ONE HALF (1/2) INCH EXPANSION JOINTS SHALL BE INSTALLED AT ALL CURB RETURNS, CURB CUTS AND EXISTING STRUCTURES. CONTROL JOINTS SHALL BE INSTALLED PER THE TOWNS STANDARDS AND SPECIFICATIONS.

10. THE GRADATION OF THE MINERAL AGGREGATE WILL BE GRADING SX (1/2" NOMINAL) FOR ALL TOP LIFTS AND OVERLAYS.

11. TACK COAT SHALL BE USED PRIOR TO OVERLAY, (CSS-1H), 50:50 DILUTION, 0.10 GAL/SY. ALL EDGES ABUTTING NEW PAVEMENT SHALL BE TACKED.

12. WHEN IT IS REQUIRED TO MATCH EXISTING PAVEMENT, EXISTING PAVEMENT SHALL BE SAW CUT IN A MANNER TO AFFECT A SMOOTH, VERTICAL STRAIGHT CUT EDGE. T PATCH MILLING MUST BE DONE PER STANDARD DETAILS.

13. ALL SAWCUT EDGES OF EXISTING PAVEMENT SHALL BE CLEAN AND COATED WITH TACK COAT PRIOR TO PLACING NEW PAVEMENT ADJACENT TO THE EXISTING PAVEMENT.

14. ALL ASPHALT SHALL BE ONE FOURTH (1/4) INCH ABOVE CONCRETE EDGES, MANHOLE COVERS AND ACCESS LIDS.

15. SIGNAGE AND STRIPING SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, THE COLORADO DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, THE COLORADO DEPARTMENT OF TRANSPORTATION M&S STANDARDS, AND THE TOWN OF ERIE STANDARD DESIGN CRITERIA AND STANDARD CONSTRUCTION REQUIREMENTS.

16. THE PURCHASE AND INSTALLATION OF STREET NAME SIGNS SHALL BE THE RESPONSIBILITY OF THE OWNER/CONTRACTOR. THE OWNER/CONTRACTOR SHALL SECURE THE APPROVAL OF THE TOWN OF ERIE ENGINEERING STAFF FOR TYPE AND LOCATION OF THE STREET NAME SIGNS PRIOR TO INSTALLATION.

17. ALL NEW ROADWAY SECTIONS SHALL HAVE SUBGRADE PREPARATION AND INITIAL ASPHALT PAVEMENT PLACED WITH A 1% CROWN. FINAL OVERLAY IS TO BE PLACED WITH A 2% CROWN. SEE DETAIL ST7 IN THE "STANDARD DETAILS-STREET" FOR MORE INFORMATION.

18. DETERMINATION OF CROWN FOR CUL DE SAC PAVING SHALL BE EVALUATED ON A CASE BY CASE BASIS.

# SEWER NOTES

1. THE CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATIONS OF ALL EXISTING SEWERS TO BE CONNECTED TO PRIOR TO CONSTRUCTION STAKING.

2. CONNECTION TO EXISTING TOWN OF ERIE LINES WILL BE PERMITTED UPON INITIAL ACCEPTANCE OF THE NEW SANITARY SEWER SYSTEM. EXISTING PIPE AT THE POINT OF CONNECTION SHALL NOT BE "BROKEN OUT" UNTIL THE NEW SYSTEM IS ACCEPTED. IF CONNECTING TO AN EXISTING MANHOLE, THE NEW LINE SHALL BE PLUGGED UNTIL THE NEW SYSTEM IS ACCEPTED.

3. MINIMUM VERTICAL SEPARATIONS BETWEEN ALL UTILITY PIPES SHALL BE EIGHTEEN (18) INCHES. IF VERTICAL SEPARATIONS ARE LESS THAN EIGHTEEN (18) INCHES, THE UTILITY PIPES SHALL BE REINFORCED AND PROTECTED AS REQUIRED BY CURRENT TOWN STANDARD SPECIFICATIONS.

4. WATER AND SANITARY SEWER LINES SHALL HAVE A MINIMUM HORIZONTAL SEPARATION OF TEN (10) FEET. WHEN A TEN (10) FOOT SEPARATION IS NOT PROVIDED OR WHEN SEWER LINES CROSS WATER LINES WITH LESS THAN ONE AND ONE-HALF (1½) FEET OF VERTICAL SEPARATION, SEWER LINE JOINTS SHALL BE CONCRETE ENCASED. FOR PERPENDICULAR CROSSINGS, ENCASED JOINTS SHALL EXTEND TEN (10) FEET, PERPENDICULAR TO THE WATER LINE IN BOTH DIRECTIONS.

5. ALL SANITARY SEWER SERVICES AND WATER SERVICES ARE TO BE TEN (10) FEET APART.

6. SERVICE LATERALS SHALL EXTEND FIVE (5) FEET BEYOND RIGHTS OF WAY OR UTILITY EASEMENTS, WHICHEVER IS GREATER. THE ENDS SHALL BE MARKED BY A GREEN PAINTED WOOD POST UNTIL CURB AND GUTTER IS IN PLACE. WHEN CURB AND GUTTER IS IN PLACE THE LATERALS SHALL BE MARKED ON THE CONCRETE CURB FACE WITH AN "S" or "X".

7. THE LENGTH OF SANITARY SEWER LINE IS THE HORIZONTAL DISTANCE BETWEEN CENTER OF MANHOLE TO CENTER OF MANHOLE. THEREFORE, THE DISTANCES INDICATED ON THE PLANS ARE APPROXIMATE AND COULD VARY DUE TO VERTICAL ALIGNMENT AND MANHOLE DIMENSIONS.

8. SERVICE LINE CONNECTIONS TO DEAD END MANHOLES THAT HAVE NO FURTHER POSSIBILITY OF EXTENSION SHALL BE ALLOWED AND SHALL HAVE A MINIMUM DROP OF 0.75 X MAIN DIAMETER. SERVICE LINE CONNECTIONS TO IN-LINE MANHOLES ARE NOT PERMITTED. MINIMUM SERVICE LINE SLOPE; 4 INCHES=2%; 6 INCHES= 1%; 8 INCHES=0.4%.

9. ALL FOUR (4) THROUGH FIFTEEN (15) INCH SANITARY SEWER PIPE SHALL BE POLYVINYL CHLORIDE (PVC) AND SHALL BE IN ACCORDANCE WITH ASTM D-3034-SDR35, "STANDARD SPECIFICATION FOR PVC SEWER PIPE AND FITTINGS". ANY SANITARY SEWER HAVING A DEPTH IN EXCESS OF FIFTEEN (15) FEET SHALL BE COORDINATED WITH THE PUBLIC WORKS DEPARTMENT.

10. BEDDING MATERIAL SHALL CONFORM TO TOWN OF ERIE STANDARDS AND SPECIFICATIONS.

11. WARNING TAPE SHALL BE INSTALLED 12" MINIMUM AND 18" MAXIMUM ABOVE SEWER PIPE.

12. PRECAST CONCRETE MANHOLE SECTIONS SHALL BE IN ACCORDANCE WITH ASTM C-478. MANHOLE STEPS SHALL BE POLYPROPYLENE COVERED STEEL CONFORMING TO ASTM. D-4101 AND ASTMA-615. CAST IRON RING AND COVER SHALL CONFORM TO ASTM A-48.

13. MANHOLES SHALL BE A MINIMUM FOUR (4) FOOT DIAMETER AND CONSTRUCTED PER THE STANDARDS AND SPECIFICATIONS.

14. THE CONTRACTOR SHALL TAKE CARE TO PROPERLY SHAPE ALL MANHOLE INVERTS AND BENCHES IN ACCORDANCE WITH THE TOWN OF ERIE STANDARDS AND SPECIFICATIONS, TO PROMOTE SMOOTH FLOW THROUGH THE MANHOLE. INVERTS OF LINES INTERSECTING AT 90 DEGREES AND AT HIGHLY DIVERGENT OR FLAT SLOPES ARE ESPECIALLY CRITICAL. MANHOLE INVERTS SHALL BE CONSTRUCTED WITH A SMOOTH TROWEL FINISH, AND BENCH FINISHED WITH A LIGHT BROOMED, NON-SKID, FINISH.

15. SEWER TEES AND/OR WYES SHALL BE STAKED BY A SURVEY CREW. THE CONTRACTOR SHALL FURNISH TO THE ENGINEER "AS CONSTRUCTED" LOCATION OF TEES AND WYES. ALL SERVICE LINES ARE FOUR (4) INCH UNLESS OTHERWISE NOTED.

16. THE CONTRACTOR, AT THE OWNER'S EXPENSE, WILL MAKE ALL SEWER SERVICE TAPS.

17. PRIOR TO BACKFILL THE TOWN OF ERIE ENGINEERING STAFF SHALL INSPECT ALL SANITARY SEWER MAINS AND SERVICE EXTENSIONS.

18. MANHOLE RIMS SHALL BE SET AT AN ELEVATION RELATIVE TO THE PAVEMENT, IN ACCORDANCE WITH THE TOWN OF ERIE STANDARDS. WHETHER THE MANHOLE IS AT PAVED OR UNPAVED GRADE, A MINIMUM OF ONE (1) AND A MAXIMUM OF FOUR (4) CONCRETE RINGS SHALL BE USED TO ADJUST THE RIM ELEVATION TO FINAL GRADE. THE MAXIMUM ACCEPTABLE VERTICAL ADJUSTMENT UTILIZING CONCRETE RINGS IS EIGHTEEN (18) INCHES.

19. INITIAL ACCEPTANCE OF THE NEW SANITARY SEWER MAINS IS CONTINGENT UPON COMPLETION OF ITEMS LISTED IN THE TOWNS STANDARDS AND SPECIFICATIONS.

# STORM DRAIN NOTES

1. EXCEPT WHERE NOTED, ALL STORM SEWER PIPE SHALL BE REINFORCED CONCRETE, CLASS III AND SHALL CONFORM TO REQUIREMENTS OF ASTM C76. ALL RCP SHALL HAVE RUBBER GASKETED JOINTS AND SHALL CONFORM TO REQUIREMENTS OF ASTM C443, AND SHALL PROVIDE WATERTIGHT PERFORMANCE CHARACTERISTICS.

2. TONGUE AND GROOVE JOINTS SHALL NOT BE ALLOWED.

3. THE MINIMUM COVERAGE FOR ALL STORM DRAINAGE PIPES SHALL BE 1.5 FEET FOR CLASS III PIPE AND 1 FOOT FOR CLASS IV PIPE.

4. BEDDING MATERIAL SHALL CONFORM TO TOWN OF ERIE STANDARDS AND SPECIFICATIONS.

5. ALL MANHOLES SHALL BE CONCRETE AND CONFORM TO CDOT STANDARD M-604-20.

6. THE MINIMUM MANHOLE DIAMETER SHALL BE AS SPECIFIED BELOW:

   6.1. PIPE DIAMETER MANHOLE SIZE:
   6.1.1. 15" TO 18" - 4' DIAMETER
   6.1.2. 21" TO 42" - 5' DIAMETER
   6.1.3. 48" TO 54" - 6' DIAMETER
   6.1.4. 60" AND LARGER - BOX BASE MANHOLE

7. ALL STREET INLETS SHALL BE CURB OPENING TYPE R CONFORMING TO CDOT STANDARD M-604-12, EXCEPT WHERE OTHERWISE NOTED.

8. ALL INLET ACCESS COVERS SHALL HAVE THE WORDS "NO DUMPING – DRAINS TO RIVERS" AND "STORM SEWER" CAST INTO THE COVER PER TOWN OF ERIE STANDARD DETAIL.

9. ALL END SECTIONS SHALL CONFORM TO CDOT STANDARD M-603-10.

10. WHERE RIPRAP OR GROUTED BOULDERS ARE CALLED FOR ON THE PLANS FOR EROSION CONTROL, IT SHALL CONFORM TO THE URBAN STORM DRAINAGE CRITERIA MANUAL SPECIFICATIONS (LATEST REVISION).

# WATER NOTES

1. AT ALL POINTS OF CONNECTION OF NEW WATER MAINS TO EXISTING MAINS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXCAVATING AND VERIFYING LOCATION OF THE EXISTING LINES PRIOR TO ANY CONSTRUCTION.

2. EXCEPT IN CASE OF AN EMERGENCY, VALVES ON THE TOWN OF ERIE WATER SYSTEM SHALL BE OPERATED BY OR UNDER THE DIRECTION OF THE APPROPRIATE TOWN OF ERIE PERSONNEL. THE CONTRACTOR SHALL GIVE THE TOWN OF ERIE ENGINEERING STAFF 48 HOURS NOTICE TO ARRANGE FOR OPERATING VALVES. BOTH THE CONTRACTOR AND THE APPROPRIATE TOWN OF ERIE PERSONNEL SHALL BE PRESENT WHEN THE VALVES ARE OPERATED.

3. WATER AND SANITARY SEWER LINES SHALL HAVE A MINIMUM HORIZONTAL SEPARATION OF TEN (10) FEET. WHEN A TEN (10) FOOT SEPARATION IS NOT PROVIDED OR WHEN SEWER LINES CROSS WATER LINES WITH LESS THAN ONE AND ONE-HALF (1½) FEET OF VERTICAL SEPARATION, SEWER LINE JOINTS SHALL BE CONCRETE ENCASED. FOR PERPENDICULAR CROSSINGS, ENCASED JOINTS SHALL EXTEND TEN (10) FEET, PERPENDICULAR TO THE WATER LINE IN BOTH DIRECTIONS.

4. ALL WATER LINES SHALL HAVE A MINIMUM OF FOUR AND ONE-HALF (4½) FEET OF COVER AND BE LOCATED A MINIMUM OF TEN (10) FEET FROM THE SANITARY SEWER AND THREE (3) FEET FROM THE EDGE OF CONCRETE CURB AND GUTTER PAN.

5. CHANGES IN DIRECTION OF WATERLINE PIPE GREATER THAN ONE DEGREE SHALL REQUIRE FITTINGS IN ALL INSTANCES. AXIAL DEFLECTION AT THE JOINTS SHALL NOT BE IN EXCESS OF MANUFACTURER'S RECOMMENDATION OR IN NO CASE MORE THAN ONE DEGREE.

6. WHEN IT IS NECESSARY TO DEPRESS WATER LINES AT UTILITY CROSSINGS, A MINIMUM CLEARANCE OF ONE AND ONE-HALF (1-1/2) FEET SHALL BE MAINTAINED BETWEEN OUTSIDES OF PIPE.

7. DISTANCES FOR WATER LINES ARE THE HORIZONTAL DISTANCE BETWEEN THE CENTERS OF THE FITTINGS. THEREFORE, DISTANCES SHOWN ON THE PLANS ARE APPROXIMATE AND COULD VARY DUE TO VERTICAL ALIGNMENT AND FITTING DIMENSIONS.

8. ALL WATER LINE VALVES SHALL BE SET ADJACENT TO THE TEE, EXCEPT FOR POINTS THAT FALL IN THE FLOW LINE OF A CONCRETE CROSS PAN. IN WHICH CASE, THE VALVE SHALL BE LOCATED SO THAT SURFACE DRAINAGE DOES NOT INFILTRATE THE VALVE BOX. VALVE BOXES SHALL BE SET AT AN ELEVATION IN ACCORDANCE WITH TOWN PAVING REQUIREMENTS.

9. ALL WATER MAINS SHALL BE POLYVINYL CHLORIDE (PVC) PRESSURE PIPE UNLESS SPECIFIED OTHERWISE. NOMINAL PVC PIPE SIZES 6-INCH THROUGH 12-INCH SHALL CONFORM TO ALL REQUIREMENTS OF AWWA STANDARD C-900, PRESSURE CLASS 150 (DR18). NOMINAL PVC PIPE SIZES 16-INCH THROUGH 24-INCH SHALL CONFORM TO ALL REQUIREMENTS OF AWWA STANDARD C-905, PRESSURE CLASS 165 (DR25). ALL PVC PIPES SHALL HAVE OUTSIDE DIAMETERS EQUIVALENT TO CAST IRON PIPE.

10. FIRE HYDRANT ASSEMBLY INCLUDES THE FIRE HYDRANT, SIX (6) INCH VALVE, AND SIX (6) INCH PIPE. INSTALLATION SHALL BE IN ACCORDANCE WITH THE TOWN OF ERIE STANDARDS AND SPECIFICATIONS.

11. ALL FITTINGS SHALL BE MADE FROM DUCTILE IRON, FURNISHED WITH MECHANICAL JOINT ENDS OR INTEGRAL RESTRAINED JOINTS, AND SHALL HAVE A PRESSURE RATING OF 350 PSI.

12. POLYETHYLENE WRAPPING SHALL BE INSTALLED AROUND ALL DUCTILE IRON PIPES, FITTINGS, VALVES, FIRE HYDRANT BARRELS AND ROD AND CLAMPS. THE POLYETHYLENE SHALL HAVE A MINIMUM THICKNESS OF EIGHT (8) MILS, IN ACCORDANCE WITH AWWA STANDARD C-105.

13. ALL WATER LINE PIPE SHALL BE PROVIDED WITH A MINIMUM GAGE SIZE OF 12 SINGLE STRAND INSULATED COPPER WIRE. SPLICES IN TRACER WIRE SHALL BE CAPPED IN WATERPROOF GEL CAP TYPE CONNECTORS SUITED FOR DIRECT BURY APPLICATION (3M TYPE DBY-6 LOW VOLTAGE OR EQUAL). WIRE SHALL BE ATTACHED TO TOP OF WATER LINE WITH 2-INCH-WIDE PVC TAPE @ 5-FT INTERVALS ALONG PIPE. TRACER WIRE SHALL EXTEND TO THE SURFACE AND BE COILED IN A LOCATE BOX AT THE BACKSIDE OF EITHER EACH FIRE HYDRANT OR VALVE. UNDER THE SUPERVISION OF TOWN OF ERIE ENGINEERING STAFF, TEST SHALL BE MADE BY THE CONTRACTOR AT THE COMPLETION OF CONSTRUCTION TO ENSURE THAT THE TRACER WIRES CARRY A CONTINUOUS CURRENT BETWEEN ALL ACCESS POINTS.

14. WARNING TAPE SHALL BE INSTALLED 12" MINIMUM AND 18" MAXIMUM ABOVE WATER PIPE.

15. BEDDING MATERIAL SHALL CONFORM TO TOWN OF ERIE STANDARDS AND SPECIFICATIONS.

16. VALVES SHALL OPEN COUNTERCLOCKWISE. VALVES 12-INCH AND SMALLER SHALL BE RESILIENT SEAT GATE VALVES. LARGER VALVES SHALL BE BUTTERFLY VALVES.

17. VALVE BOXES SHALL BE RAISED TO ONE-FOURTH (1/4) INCH BELOW GRADE AFTER COMPLETION OF SURFACE PAVING OR FINAL GRADING. VALVE BOXES IN NON-PAVED AREAS SHALL HAVE A CONCRETE COLLAR AROUND THE VALVE LID IN ACCORDANCE WITH THE DETAIL.

18. ALL SERVICE LINE TAPS SHALL HAVE DOUBLE STRAP BRASS TAPPING SADDLES. (ROMAC 202B OR APPROVED EQUAL).

19. ALL RESIDENTIAL WATER TAPS SHALL BE A MINIMUM OF THREE QUARTER (3/4) INCH. UPSIZING OF RESIDENTIAL WATER TAPS MAY BE REQUIRED BY THE CURRENT BUILDING CODE AND DUE TO REQUIREMENTS FOR RESIDENTIAL FIRE SUPPRESSION SYSTEMS STIPULATED BY THE INTERNATIONAL FIRE CODE.

20. ALL WATER SERVICE LATERALS SHALL EXTEND FIVE (5) FEET BEYOND RIGHT OF WAY OR UTILITY EASEMENTS, WHICHEVER IS GREATER. THE ENDS SHALL BE MARKED BY A BLUE PAINTED WOOD POST UNTIL CURB AND GUTTER IS IN PLACE. WHEN CURB AND GUTTER IS IN PLACE THE LATERALS SHALL BE MARKED ON THE CONCRETE CURB FACE WITH A "V" or "W".

21. CONCRETE THRUST BLOCKS AND/OR "MEGA-LUG" MECHANICAL RESTRAINTS ARE REQUIRED AT ALL MECHANICAL FITTINGS. THRUST BLOCKS MAY NOT BE REQUIRED IF PIPE RESTRAINT IS PROVIDED IN ACCORDANCE WITH RESTRAINED PIPE DETAIL.

22. NO WORK SHALL BE BACKFILLED (INCLUDING BEDDING MATERIAL ABOVE THE SPRING LINE OF THE PIPE) UNTIL THE CONSTRUCTION HAS BEEN INSPECTED AND APPROVED FOR BACKFILLING BY THE TOWN OF ERIE ENGINEERING STAFF.

23. ONLY ONE CONNECTION TO THE EXISTING WATER DISTRIBUTION SYSTEM SHALL BE MADE UNTIL ALL HYDROSTATIC TESTING, CHLORINATION AND FLUSHING HAS BEEN COMPLETED.

24. DISINFECTION AND HYDROSTATIC TESTING SHALL BE DONE IN THE PRESENCE OF A TOWN OF ERIE ENGINEERING STAFF. CONTACT THE TOWN OF ERIE DEPARTMENT OF PUBLIC WORKS, FORTY-EIGHT (48) HOURS PRIOR TO DISINFECTING AND/OR TESTING.

25. DISINFECTION AND FLUSHING SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE COLORADO DEPARTMENT OF HEALTH AND THE PROCEDURE SET FORTH IN AWWA C651, "STANDARD FOR DISINFECTING WATER MAINS". THE CHLORINATION OF THE WATER LINE SHALL BE PERFORMED PRIOR TO THE HYDROSTATIC TESTING. ALL VALVES, FIRE HYDRANTS AND OTHER APPURTENANCES SHALL BE OPERATED WHILE PIPELINE IS FILLED WITH THE CHLORINATING AGENT TO ENSURE THAT HIGH CHLORINE CONTACT IS MADE WITH ALL INTERNAL SURFACES.

26. ALL WATER LINES SHALL BE HYDROSTATIC TESTED. PRESSURE AND LEAKAGE TESTS SHALL BE CONDUCTED ACCORDING TO THE APPLICABLE SECTIONS OF AWWA C600/605 TO A MINIMUM PRESSURE OF ONE HUNDRED AND FIFTY (150) POUNDS PER SQUARE (PSI) INCH AT THE LOW POINT OF THE SECTION BEING TESTED FOR THE DURATION OF TWO (2) HOURS. THE MAXIMUM LENGTH OF LINE TO BE TESTED SHALL BE ONE THOUSAND (1,000) FEET. ALL JOINTS IN CONNECTIONS ARE TO BE WATERTIGHT WITHIN TOLERANCES ALLOWED BY THE SPECIFICATIONS IN AWWA C600/605. ANY LEAKAGE THAT IS DISCOVERED BY OBSERVATION OR TESTS SHALL BE LOCATED AND MADE WATERTIGHT BY THE CONTRACTOR. PRESSURE AND LEAKAGE TESTS SHALL NOT BE CONDUCTED UNTIL THE LINE HAS PASSED ALL REQUIRED DISINFECTION TESTS.

27. INITIAL ACCEPTANCE OF THE NEW WATER LINES ARE CONTINGENT UPON RECEIVING COPIES OF:

   27.1. WATER TRENCH COMPACTION TEST RESULTS
   27.2. HYDRO STATIC TESTING OF 100% OF THE SYSTEM
   27.3. HEALTH DEPARTMENT TESTS. (CHLORINE AND/OR CLEAR WATER AS REQUIRED)

28. ALL METER PITS AND CURB STOPS SHALL BE PROTECTED AT THE TIME OF INSTALLATION WITH A MINIMUM OF THREE (3) T-POSTS AND ORANGE SAFETY FENCE. THE T-POST AND SAFETY FENCE SHALL REMAIN IN PLACE AND IN GOOD CONDITION UNTIL THE LANDSCAPING IS INSTALLED.

29. ALL WATER VAULTS SHALL BE WATERTIGHT. CONTRACTOR SHALL SEAL VAULTS TO ENSURE SURFACE WATER DOES NOT INFILTRATE INTO THE VAULTS. VAULT LIDS SHALL BE PLACED TO ENSURE THAT SURFACE WATER DOES NOT FLOW INTO THE VAULTS.

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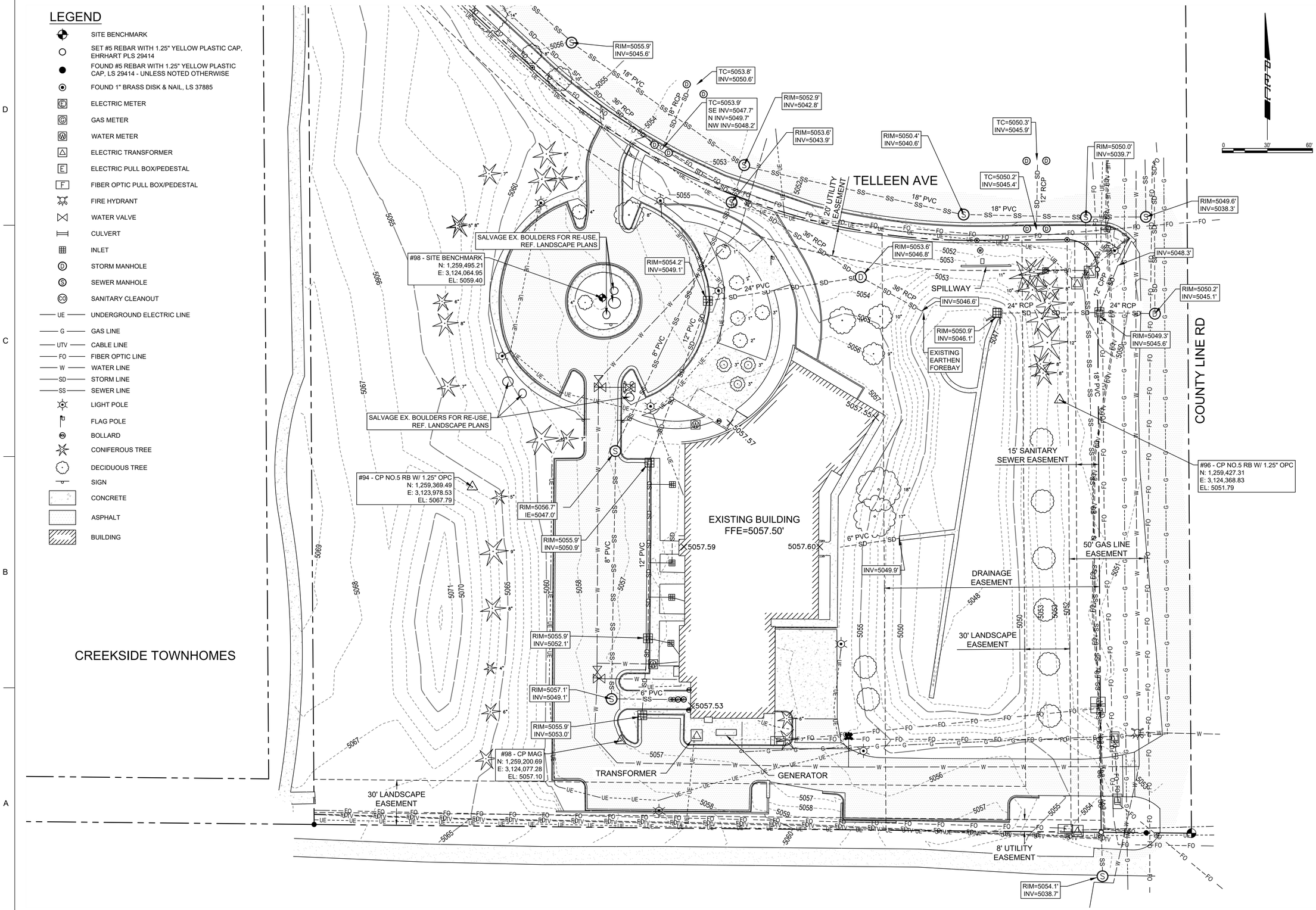
TOWN OF ERIE
ERIE PD - ADDITION & RENOVATION
1000 TELLEEN AVENUE, ERIE, COLORADO 80516

GENERAL NOTES

**SHEET IDENTIFICATION**
C-003

## LEGEND

- SITE BENCHMARK
- SET #5 REBAR WITH 1.25" YELLOW PLASTIC CAP, EHRHART PLS 29414
- FOUND #5 REBAR WITH 1.25" YELLOW PLASTIC CAP, LS 29414 - UNLESS NOTED OTHERWISE
- FOUND 1" BRASS DISK & NAIL, LS 37885
- ELECTRIC METER
- GAS METER
- WATER METER
- ELECTRIC TRANSFORMER
- ELECTRIC PULL BOX/PEDESTAL
- FIBER OPTIC PULL BOX/PEDESTAL
- FIRE HYDRANT
- WATER VALVE
- CULVERT
- INLET
- STORM MANHOLE
- SEWER MANHOLE
- SANITARY CLEANOUT
- UE — UNDERGROUND ELECTRIC LINE
- G — GAS LINE
- UTV — CABLE LINE
- FO — FIBER OPTIC LINE
- W — WATER LINE
- SD — STORM LINE
- SS — SEWER LINE
- LIGHT POLE
- FLAG POLE
- BOLLARD
- CONIFEROUS TREE
- DECIDUOUS TREE
- SIGN
- CONCRETE
- ASPHALT
- BUILDING





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351 LINDEN ST, STE 100
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| MARK | DESCRIPTION | DATE | APPR |
|---|---|---|---|
| | | | |

| | |
|---|---|
| ISSUE DATE: | OCTOBER 14, 2025 |
| CONSULTANT'S PROJECT # | 240667-000 |
| SOLICITATION NO.: | |
| CONTRACT NO.: | |
| PLOT DATE: | 2/17/2025 10:05:48 AM |
| FILE NUMBER: | |
| DESIGN BY: | NAR |
| D2C PROJECT NUMBER | 202420 |
| DRAWN BY: | CJR |
| CKD BY: | KJB |
| SBMT BY: | NAR |
| PLOT SCALE: | 1 |
| FILE NAME: | PWD-ERIE-C101 - EXISTING CONDITIONS.dwg |
| SIZE: | 22" x 34" |

**DESIGN DEVELOPMENT**

NOT FOR CONSTRUCTION

TOWN OF ERIE

# ERIE PD - ADDITION & RENOVATION

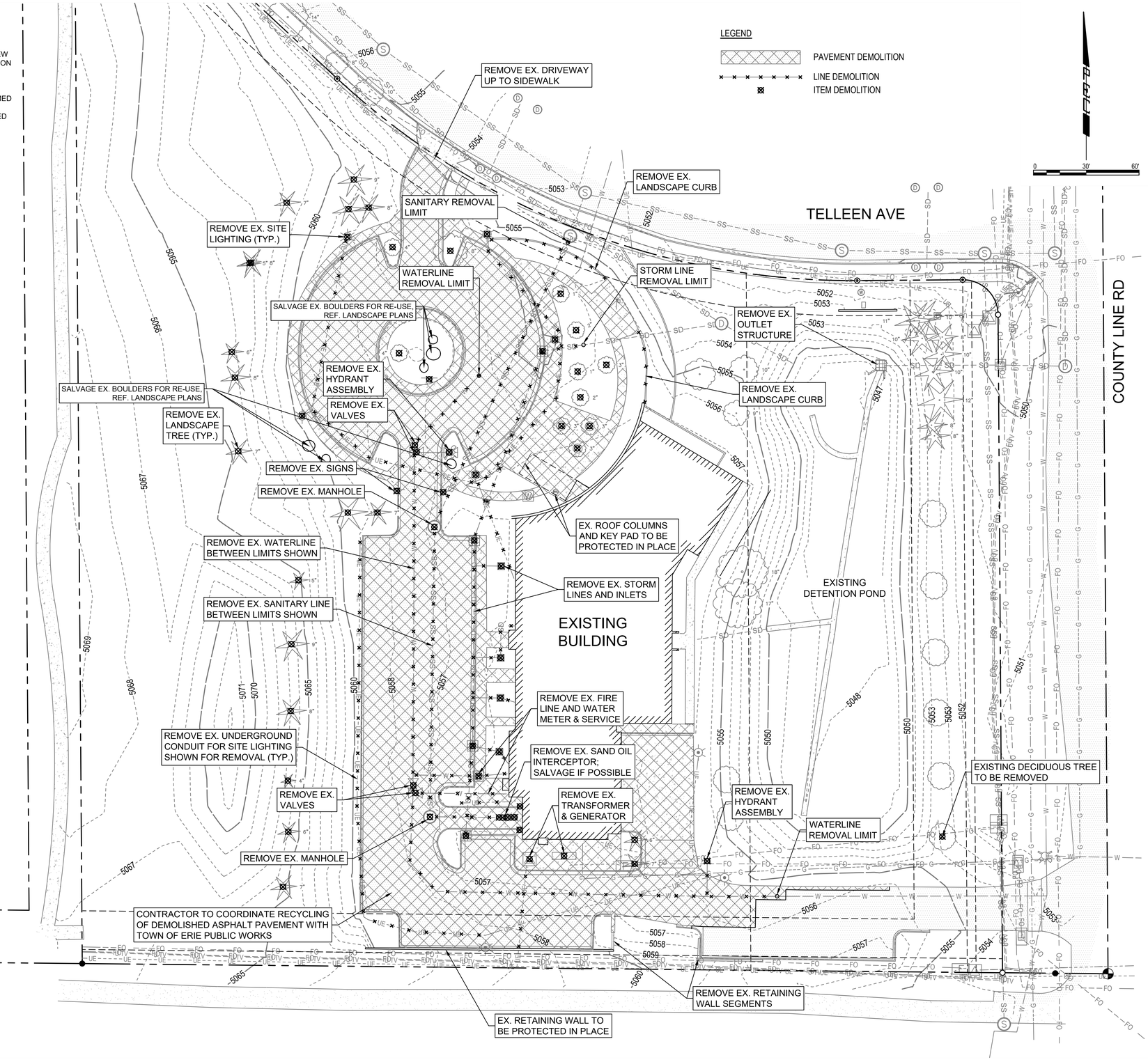
1000 TELLEEN AVENUE, ERIE, COLORADO 80516

EXISTING CONDITIONS

**SHEET IDENTIFICATION**
C-101

## DEMOLITION NOTES:

1. REMOVAL OF THE EXISTING WATER SERVICE AND FIRE LINE SHALL BE PERFORMED AFTER THE NEW WATER SERVICE AND FIRE LINE ARE CONSTRUCTED. CONSTRUCTION OF THE NEW WATER SERVICE AND FIRE LINE SHALL BE CLOSELY COORDINATED WITH THE CONSTRUCTION OF THE NEW WATER ENTRY AS SHOWN IN THE PLUMBING PLANS. THE CITY AND FIRE DEPARTMENT SHALL BE PROPERLY NOTIFIED PRIOR TO DISCONNECTION OF THE WATER SERVICE, FIRE LINE, AND FIRE HYDRANTS.
2. REMOVAL OF THE EXISTING TRANSFORMER AND BACKUP GENERATOR SHALL BE PERFORMED IN ACCORDANCE WITH THE ELECTRICAL PHASING PLAN.
3. EXISTING LIGHT FIXTURES FROM SITE LIGHTING SHOWN FOR REMOVAL SHALL BE SALVAGED FOR REUSE TO THE GREATEST EXTENT POSSIBLE. CONTRACTOR TO VERIFY PRIOR TO CONSTRUCTION.
4. TREES INDICATED FOR REMOVAL SHALL BE VERIFIED WITH THE TREE PROTECTION PLAN. ANY TREE NOT DESIGNATED FOR REMOVAL SHALL BE PROTECTED IN PLACE.





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|---|---|---|---|
| | | | |

ISSUE DATE: **OCTOBER 14, 2025**
CONSULTANT'S PROJECT # 240867-3000
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:
DESIGN BY: NAR
D2C PROJECT NUMBER 202420
DRAWN BY: CJR
SBMT BY: NAR
PLOT SCALE: 22" x 34"
PLOT DATE: 2/17/2025 10:05:48 AM
FILE NAME: P:\D2C\2025\C-102 - DEMOLITION PLAN.dwg

***DESIGN DEVELOPMENT***

NOT FOR CONSTRUCTION

TOWN OF ERIE
# ERIE PD - ADDITION & RENOVATION
1000 TELLEEN AVENUE, ERIE, COLORADO 80516

DEMOLITION PLAN

**SHEET IDENTIFICATION**
C-102

## PARKING SUMMARY:

56 PUBLIC PARKING SPACES
2 PUBLIC ADA PARKING SPACES
2 VAN ACCESSIBLE PARKING SPACE

103 SECURE STAFF PARKING SPACES
4 STAFF ADA PARKING SPACES
4 VAN ACCESSIBLE PARKING SPACES

159 TOTAL PARKING SPACES
6 TOTAL ADA PARKING SPACES
6 TOTAL VAN ACCESSIBLE PARKING SPACES

CREEKSIDE TOWNHOMES
(ZONING:MR)

TELLEEN SUBDIVISION
(ZONING: LI)

TELLEEN AVE
(60' RIGHT-OF-WAY)

COUNTY LINE RD
(90' RIGHT-OF-WAY)

ERIE TOWN CENTER
(UNDER TOWN REVIEW)
(ZONING:PD)

RANCHWOOD TOWN CENTER
(UNDER TOWN REVIEW)
(ZONING:PD)

EX. STOP SIGN TO REMAIN
6' WIDE VALLEY GUTTER
EX. 20' UTILITY EASEMENT
DOUBLE DUMPSTER ENCLOSURE (REF. A-022)
EX. 8 FOOT WIDE LOCAL TRAIL
24' WIDE SECURITY GATE (REF. A-022)
WHEEL STOPS
ADA RAMP, SIGNAGE AND STRIPING SEE SHEET C-210
BIKE RACKS (REF. LANDSCAPE)
PEDESTRIAN EGRESS GATE (REF. ARCH)
PROPOSED SECURITY FENCE (TYP.)
PROPOSED RETAINING WALL (TYP.)
MOBILE TRAINING CENTER
REF. CONCRETE JOINTING PLAN SHEET C-213
PAVEMENT STRIPING, SEE SHEET C-210
CONCRETE PAVEMENT APRONS
SEE JOINTING PLAN SHEET C-213
ADD ALT #1 - INSTALL SNOW MELT SYSTEM
BOULDER SEATWALL, TYP. (REF. LS401, LS502)
OUTLET STRUCTURE W/ MICROPOOL
EX. 15' SANITARY SEWER EASEMENT
EXISTING DETENTION POND
EX. 50' GAS LINE EASEMENT
EX. DRAINAGE EASEMENT
EX. 30' LANDSCAPE EASEMENT
GRAVEL ACCESS ROAD
FOREBAY
CHAIN & BOLLARD SYSTEM ACROSSED ACCESS ROAD
24' WIDE SECURITY GATE (REF. ARCH)
8' UTILITY EASEMENT
COUNTY LINE RD IMPROVEMENTS (BY OTHERS)
EX. 30' LANDSCAPE EASEMENT (TO BE VACATED)
EX. RETAINING WALL TO REMAIN; SECURITY FENCE POSTS TO BE DRILLED INTO EX. WALLS
PROPOSED RETAINING WALL (TYP.)

0 30' 60'


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|---|---|---|---|
| | | | |

DESIGN BY: NAR
D2C PROJECT NUMBER 202420
DRAWN BY: CJR
SBMT BY: NAR
PLOT SCALE: 22" X 34"
ISSUE DATE: **OCTOBER 14, 2025**
CONSULTANT'S PROJECT # 240867-3000
CKD BY: KJB
PLOT DATE: 2/17/2025 10:05:48 AM
FILE NAME: 240867-3000 C-201 - OVERALL SITE PLAN.dwg
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:
SIZE: 22" X 34"

**DESIGN DEVELOPMENT**

NOT FOR CONSTRUCTION

TOWN OF ERIE
# ERIE PD - ADDITION & RENOVATION
1000 TELLEEN AVENUE, ERIE, COLORADO 80516

## OVERALL SITE PLAN

**SHEET IDENTIFICATION**
C-201

GEOMETRY PLAN NOTES:

1. REFERENCE SHEET C-212 FOR GEOMETRY PLAN COORDINATE TABLES.

CREEKSIDE TOWNHOMES

TELLEEN AVE

COUNTY LINE RD

0 30' 60'

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|---|---|---|---|

ISSUE DATE: **OCTOBER 14, 2025**
CONSULTANT'S PROJECT # 240667-000
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:
VERSALL GEOMETRY PLAN.dwg

DESIGN BY: NAR
D2C PROJECT NUMBER 202420
DRAWN BY: CJR
CKD BY: KJB
SBMT BY: NAR
PLOT DATE: 2/17/2025 10:05:48 AM
PLOT SCALE:
SIZE: 22" x 34"
FILE NAME: P:\ARC\2024\C-202 - OVERALL GEOMETRY PLAN.dwg

***DESIGN DEVELOPMENT***

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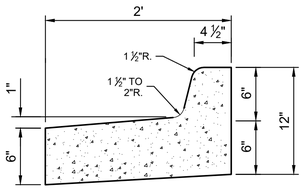
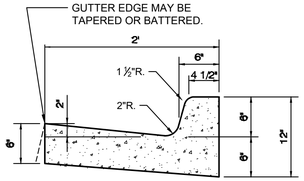
TOWN OF ERIE
# ERIE PD - ADDITION & RENOVATION
1000 TELLEEN AVENUE, ERIE, COLORADO 80516
OVERALL GEOMETRY PLAN

**SHEET IDENTIFICATION**
C-202




SPILL CURB AND GUTTER

NOT TO SCALE




CATCH CURB AND GUTTER

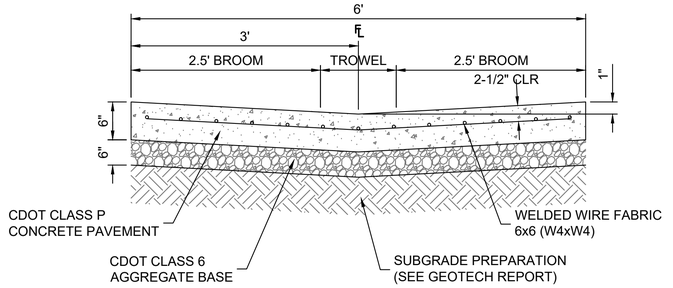
NOT TO SCALE

## NOTES:

1. WHEN CONSTRUCTING ATTACHED SIDEWALK, CONTRACTION JOINTS FOR SIDEWALKS SHALL MATCH CURB AND GUTTER, MAXIMUM SPACING OF TEN (10) FEET.
2. EXPANSION JOINTS REQUIRED AT 400 FOOT MAXIMUM SPACING. ADDITIONAL JOINTS MAY BE REQUIRED AT THE DISCRETION OF THE ENGINEER.
3. AT ALLEYS AND COMMERCIAL DRIVEWAYS, THE CURB AND SIDEWALK THICKNESS SHALL BE INCREASED TO EIGHT (8) INCHES.
4. CONCRETE SURFACES TO RECEIVE A LIGHT BROOM FINISH.
5. ALL CONCRETE SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 4,500 PSI. ALL CONCRETE SHALL HAVE 5±1% AIR ENTRAINED. MAXIMUM SLUMP OF 4 INCHES.
6. ALL EARTHWORK PREPARATION AND SUBGRADE COMPACTION SHALL BE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT PREPARED BY GROUND ENGINEERING DATED 3/13/2025.

## 1 TYPICAL SECTIONS - CURB, GUTTER, & SIDEWALK

NOT TO SCALE




## 2 6' WIDE CONCRETE VALLEY GUTTER

NOT TO SCALE

## NOTES:

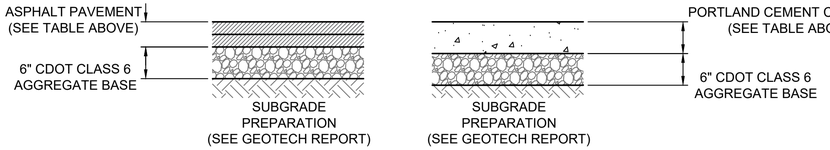
1. ALL CONCRETE SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 4,500 PSI AND 5±1 PERCENT AIR ENTRAINED. MAXIMUM SLUMP OF 4 INCHES.
2. ALL EARTHWORK PREPARATION AND SUBGRADE COMPACTION SHALL BE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT PREPARED BY GROUND ENGINEERING DATED 3/13/2025.

## NOTES:

1. ALL CONCRETE SHALL MEET THE REQUIREMENTS OF CDOT CLASS P CONRETE PAVEMENT. ALL CONCRETE PAVEMENT SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 4,500 PSI, 6±1 PERCENT AIR ENTRAINED, AND MAXIMUM SLUMP OF 4 INCHES.
2. ALL PAVEMENT MATERIALS, EARTHWORK PREPARATION, AND SUBGRADE COMPACTION SHALL BE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT PREPARED BY GROUND ENGINEERING DATED 3/13/2025.

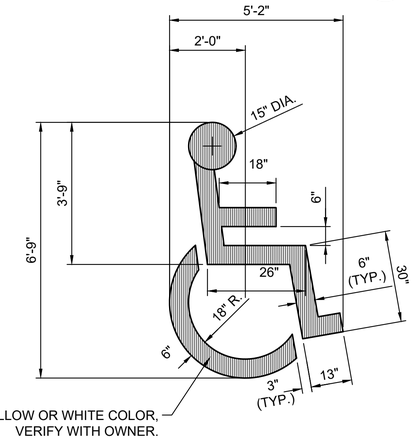
| ASPHALT PAVEMENT THICKNESS | | |
|---|---|---|
| PAVEMENT MATERIAL | LIGHT DUTY | HEAVY DUTY |
| CDOT SX MIX (SURFACE COURSE) | 2.0 INCHES | 2.0 INCHES |
| CDOT S MIX (BASE COURSE) | 2.0 INCHES | 3.0 INCHES |

| CONCRETE PAVEMENT THICKNESS | |
|---|---|
| LIGHT DUTY | HEAVY DUTY |
| 6 INCHES | 7 INCHES |



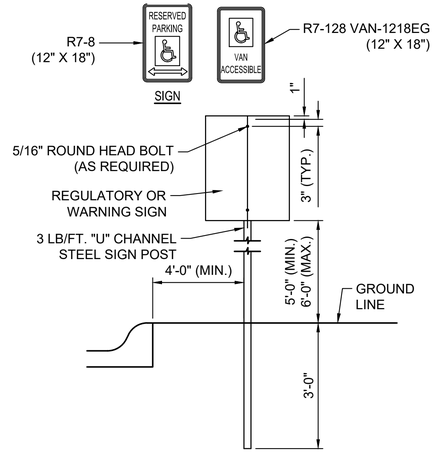

## 3 TYPICAL SECTION - ASPHALT AND CONCRETE PAVEMENT

NOT TO SCALE



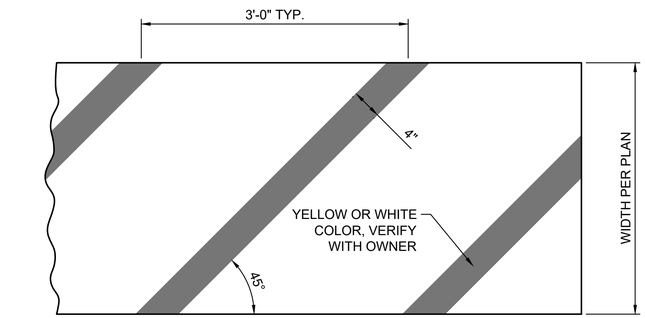

## 4 ADA PARKING SYMBOL DETAIL

NOT TO SCALE



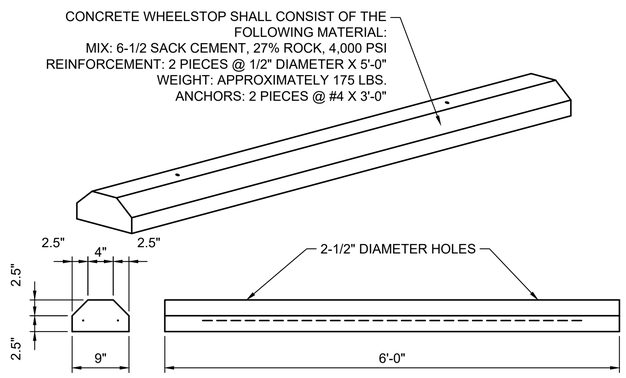

## 5 TYPICAL ADA SIGN MOUNTING

NOT TO SCALE



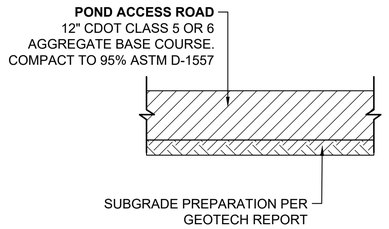

## 6 STRIPING CROSS HATCH DETAIL

NOT TO SCALE




## 7 CONCRETE WHEELSTOP

NOT TO SCALE




## 8 GRAVEL PAVEMENT SECTION | POND ACCESS ROAD

NOT TO SCALE

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| MARK | DESCRIPTION | DATE | APPR. |
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ISSUE DATE: OCTOBER 14, 2025
CONSULTANT'S PROJECT #: 240687-000
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:
DESIGN BY: NAR
D2C PROJECT NUMBER: 202420
DRAWN BY: CJR
CKD BY: KJB
SBMT BY: NAR
PLOT DATE: 2/17/2025 10:05:48 AM
PLOT SCALE:
SIZE: 22" X 34"
FILE NAME: 240687-000-C210 - SITE DETAILS.dwg

**DESIGN DEVELOPMENT**

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TOWN OF ERIE
# ERIE PD - ADDITION & RENOVATION
1000 TELLEEN AVENUE, ERIE, COLORADO 80516

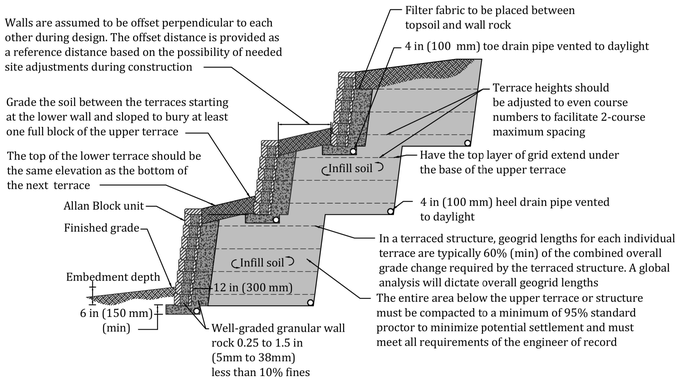
SITE DETAILS

SHEET IDENTIFICATION
C-210

Construction Note:

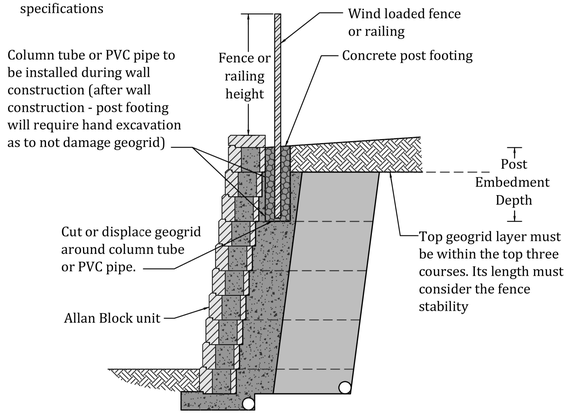
Overall height of terraced structure is the sum of the heights of the individual walls plus any adjustments between walls where allowed by the engineer of record

During wall layout, when the top of the wall location is essential to the function of the buildable land created by the terraced wall structure, adjustments can be made to the spacing(s) between walls where allowed by the engineer of record. Spacing between walls as noted are reference and the hard dimension is from the toe of the lower wall to the toe of the upper wall.



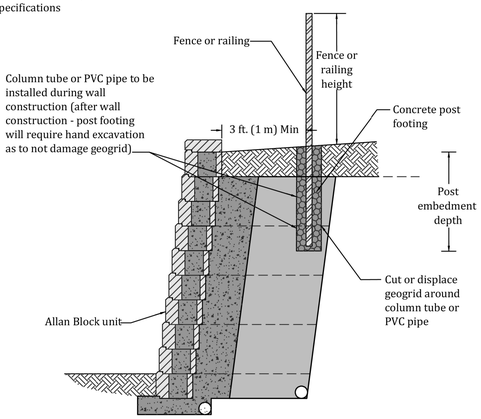

| | | |
|---|---|---|
| Designed By: | Title: AB-09 TYPICAL TERRACED WALL | Date: |
| Checked By: | The purpose of this drawing is for preliminary design only. This should not be used for final design or construction without the certification of a professional engineer registered in the state in which the wall will be built. The accuracy and use of details contained in this document are the sole responsibility of the user. The user must verify each detail for accuracy as they pertain to their particular project. | Project No: |
| Scale: Not to Scale | allanblock.com © 2021 Allan Block | Drawing No: |

* Refer to design details: Allan Block typical reinforced wall application for all other notes, details and specifications




| | | |
|---|---|---|
| Designed By: | Title: AB-30 WIND FENCE 1 | Date: |
| Checked By: | The purpose of this drawing is for preliminary design only. This should not be used for final design or construction without the certification of a professional engineer registered in the state in which the wall will be built. The accuracy and use of details contained in this document are the sole responsibility of the user. The user must verify each detail for accuracy as they pertain to their particular project. | Project No: |
| Scale: Not to Scale | allanblock.com © 2021 Allan Block | Drawing No: |

* Refer to design details: Allan Block typical reinforced wall application for all other notes, details and specifications




| | | |
|---|---|---|
| Designed By: | Title: AB-31 WIND FENCE 2 | Date: |
| Checked By: | The purpose of this drawing is for preliminary design only. This should not be used for final design or construction without the certification of a professional engineer registered in the state in which the wall will be built. The accuracy and use of details contained in this document are the sole responsibility of the user. The user must verify each detail for accuracy as they pertain to their particular project. | Project No: |
| Scale: Not to Scale | allanblock.com © 2021 Allan Block | Drawing No: |

NOTE:
RETAINING WALL DETAILS SHOWN ON THIS SHEET ARE SCHEMATIC AND ARE PROVIDED FOR TOWN PLANNING REVIEW ONLY. CONTRACTOR SHALL COORDINATE WITH ALLAN BLOCK MANUFACTURER AND STRUCTURAL ENGINEER FOR SHOP DRAWING REVIEW RETAINING WALL REQUIREMENTS.

1 TYPICAL SECTION - TIERED RETAINING WALLS (ALLAN BLOCK)
NOT TO SCALE

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|---|---|---|---|

| | |
|---|---|
| ISSUE DATE: | OCTOBER 14, 2025 |
| CONSULTANT'S PROJECT # | 240867-3000 |
| SOLICITATION NO.: | |
| CONTRACT NO.: | |
| FILE NUMBER: | |
| DESIGN BY: | NAR |
| D2C PROJECT NUMBER | 202420 |
| DRAWN BY: | CJR |
| CKD BY: | KJB |
| SBMT BY: | NAR |
| PLOT DATE: | 2/17/2025 10:05:48 AM |
| PLOT SCALE: | |
| SIZE: | 22" x 34" |
| FILE NAME: | 240867-3000 C-211 - SITE DETAILS.dwg |

**DESIGN DEVELOPMENT**

NOT FOR CONSTRUCTION

TOWN OF ERIE
ERIE PD - ADDITION & RENOVATION
1000 TELLEEN AVENUE, ERIE, COLORADO 80516

SITE DETAILS

SHEET IDENTIFICATION
C-211

| COORDINATE LIST | | |
|---|---|---|
| POINT | NORTHING | EASTING |
| 5000 | 1,259,486.4544 | 3,123,961.6728 |
| 5001 | 1,259,473.7903 | 3,123,985.3296 |
| 5002 | 1,259,486.1330 | 3,123,991.9370 |
| 5003 | 1,259,498.7971 | 3,123,968.2801 |
| 5004 | 1,259,513.6681 | 3,124,007.2444 |
| 5005 | 1,259,526.5682 | 3,123,983.1468 |
| 5006 | 1,259,531.7677 | 3,123,999.9196 |
| 5007 | 1,259,527.5201 | 3,124,007.8542 |
| 5008 | 1,259,558.2163 | 3,124,014.0783 |
| 5009 | 1,259,553.9687 | 3,124,022.0129 |
| 5010 | 1,259,558.2032 | 3,124,022.5783 |
| 5011 | 1,259,511.0016 | 3,124,038.7109 |
| 5012 | 1,259,506.7540 | 3,124,046.6455 |
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| 5017 | 1,259,468.9975 | 3,124,117.1753 |
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| 5023 | 1,259,563.1778 | 3,124,076.8507 |
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| 5025 | 1,259,541.5708 | 3,124,145.8173 |
| 5026 | 1,259,529.6689 | 3,124,139.4459 |
| 5027 | 1,259,523.5778 | 3,124,141.2894 |
| 5028 | 1,259,499.0318 | 3,124,158.6275 |
| 5029 | 1,259,493.1379 | 3,124,157.7937 |
| 5030 | 1,259,488.5403 | 3,124,160.1255 |
| 5031 | 1,259,481.7666 | 3,124,172.7789 |
| 5032 | 1,259,584.4203 | 3,124,104.7936 |
| 5033 | 1,259,581.6663 | 3,124,110.1249 |
| 5034 | 1,259,580.4993 | 3,124,109.5002 |
| 5035 | 1,259,577.9688 | 3,124,110.0458 |
| 5036 | 1,259,581.8343 | 3,124,103.4092 |
| 5037 | 1,259,574.2428 | 3,124,105.0459 |
| 5038 | 1,259,542.5494 | 3,124,146.3412 |
| 5039 | 1,259,538.0254 | 3,124,143.9194 |
| 5040 | 1,259,539.5233 | 3,124,160.1389 |
| 5041 | 1,259,541.1099 | 3,124,161.3566 |
| 5042 | 1,259,525.3391 | 3,124,174.3068 |
| 5043 | 1,259,526.5550 | 3,124,175.8948 |
| 5044 | 1,259,539.4046 | 3,124,183.4756 |
| 5045 | 1,259,540.7142 | 3,124,184.9871 |
| 5046 | 1,259,521.2717 | 3,124,195.7575 |
| 5047 | 1,259,522.1890 | 3,124,197.5338 |
| 5048 | 1,259,301.5884 | 3,123,886.7759 |
| 5049 | 1,259,472.5043 | 3,124,189.8090 |

| COORDINATE LIST | | |
|---|---|---|
| POINT | NORTHING | EASTING |
| 5050 | 1,259,473.1920 | 3,124,181.8385 |
| 5051 | 1,259,473.0201 | 3,124,183.8306 |
| 5052 | 1,259,452.4904 | 3,124,176.8088 |
| 5053 | 1,259,451.7218 | 3,124,178.6553 |
| 5054 | 1,259,466.4627 | 3,124,205.2410 |
| 5055 | 1,259,466.1963 | 3,124,207.2175 |
| 5056 | 1,259,488.1437 | 3,124,207.6089 |
| 5057 | 1,259,487.9253 | 3,124,205.6209 |
| 5058 | 1,259,442.6874 | 3,124,176.9336 |
| 5059 | 1,259,435.4072 | 3,124,166.5612 |
| 5060 | 1,259,434.1378 | 3,124,168.1066 |
| 5061 | 1,259,427.0246 | 3,124,158.4060 |
| 5062 | 1,259,425.5032 | 3,124,159.7042 |
| 5063 | 1,259,413.4406 | 3,124,138.8303 |
| 5064 | 1,259,413.8201 | 3,124,135.2234 |
| 5065 | 1,259,413.0571 | 3,124,132.7844 |
| 5066 | 1,259,411.2646 | 3,124,133.3086 |
| 5067 | 1,259,410.7549 | 3,124,121.4127 |
| 5068 | 1,259,408.7681 | 3,124,121.6421 |
| 5069 | 1,259,402.8555 | 3,124,114.3307 |
| 5070 | 1,259,445.6177 | 3,124,153.4332 |
| 5071 | 1,259,452.4396 | 3,124,140.6897 |
| 5072 | 1,259,451.4699 | 3,124,135.2097 |
| 5073 | 1,259,446.5963 | 3,124,129.6024 |
| 5074 | 1,259,442.0181 | 3,124,108.3855 |
| 5075 | 1,259,428.6609 | 3,124,087.6421 |
| 5076 | 1,259,444.3395 | 3,124,100.8392 |
| 5077 | 1,259,442.3779 | 3,124,094.9852 |
| 5078 | 1,259,425.0541 | 3,124,080.6070 |
| 5079 | 1,259,442.0446 | 3,124,048.8687 |
| 5080 | 1,259,430.7847 | 3,124,083.6748 |
| 5081 | 1,259,434.0884 | 3,124,077.5034 |
| 5082 | 1,259,444.4714 | 3,124,058.1077 |
| 5083 | 1,259,447.7751 | 3,124,051.9364 |
| 5084 | 1,259,457.8235 | 3,124,020.4528 |
| 5085 | 1,259,463.1137 | 3,124,023.2837 |
| 5086 | 1,259,476.7788 | 3,124,030.5990 |
| 5087 | 1,259,481.0265 | 3,124,022.6644 |
| 5088 | 1,259,455.9984 | 3,124,009.2662 |
| 5089 | 1,259,454.3465 | 3,124,008.8519 |
| 5090 | 1,259,446.5576 | 3,124,008.8519 |
| 5091 | 1,259,442.0577 | 3,124,013.3250 |
| 5092 | 1,259,441.9769 | 3,124,026.8545 |
| 5093 | 1,259,400.9776 | 3,124,026.6096 |
| 5094 | 1,259,401.0533 | 3,124,013.9426 |
| 5095 | 1,259,398.2462 | 3,124,013.1978 |
| 5096 | 1,259,451.3441 | 3,123,965.4094 |
| 5097 | 1,259,442.3443 | 3,123,965.3556 |
| 5098 | 1,259,451.5234 | 3,123,935.4099 |
| 5099 | 1,259,442.5235 | 3,123,935.3562 |

| COORDINATE LIST | | |
|---|---|---|
| POINT | NORTHING | EASTING |
| 5100 | 1,259,516.0152 | 3,123,957.2956 |
| 5101 | 1,259,516.3199 | 3,123,906.2965 |
| 5102 | 1,259,497.1988 | 3,123,906.1823 |
| 5103 | 1,259,492.7258 | 3,123,901.6555 |
| 5104 | 1,259,492.8064 | 3,123,888.1557 |
| 5105 | 1,259,381.8054 | 3,123,887.4925 |
| 5106 | 1,259,381.7276 | 3,123,900.9923 |
| 5107 | 1,259,377.2018 | 3,123,905.4663 |
| 5108 | 1,259,363.1886 | 3,123,905.3816 |
| 5109 | 1,259,358.7155 | 3,123,900.8662 |
| 5110 | 1,259,358.7745 | 3,123,884.0470 |
| 5111 | 1,259,304.7704 | 3,123,883.7243 |
| 5112 | 1,259,356.2166 | 3,123,900.5320 |
| 5113 | 1,259,304.1793 | 3,123,900.2209 |
| 5114 | 1,259,303.6968 | 3,123,883.8235 |
| 5115 | 1,259,264.3981 | 3,123,891.3967 |
| 5116 | 1,259,263.5197 | 3,123,891.4779 |
| 5117 | 1,259,181.2845 | 3,123,890.9866 |
| 5118 | 1,259,165.6921 | 3,123,906.4047 |
| 5119 | 1,259,165.0319 | 3,124,016.9028 |
| 5120 | 1,259,177.8817 | 3,124,016.9685 |
| 5121 | 1,259,182.3548 | 3,124,021.4953 |
| 5122 | 1,259,391.3452 | 3,123,965.0509 |
| 5123 | 1,259,382.3454 | 3,123,964.9971 |
| 5124 | 1,259,391.5244 | 3,123,935.0514 |
| 5125 | 1,259,382.5246 | 3,123,934.9977 |
| 5126 | 1,259,357.3775 | 3,123,959.5400 |
| 5127 | 1,259,357.5568 | 3,123,929.5405 |
| 5128 | 1,259,348.5570 | 3,123,929.4867 |
| 5129 | 1,259,348.3776 | 3,123,959.4862 |
| 5130 | 1,259,217.5593 | 3,123,928.7037 |
| 5131 | 1,259,208.5594 | 3,123,928.6499 |
| 5132 | 1,259,217.3800 | 3,123,958.7031 |
| 5133 | 1,259,208.3802 | 3,123,958.6494 |
| 5134 | 1,259,288.9196 | 3,124,031.9402 |
| 5135 | 1,259,220.1871 | 3,124,027.5296 |
| 5136 | 1,259,211.6559 | 3,124,027.4784 |
| 5137 | 1,259,202.0995 | 3,124,036.8901 |
| 5138 | 1,259,202.0910 | 3,124,037.8040 |
| 5139 | 1,259,206.5491 | 3,124,042.3456 |
| 5140 | 1,259,220.0485 | 3,124,042.4709 |
| 5141 | 1,259,226.1500 | 3,124,031.5651 |
| 5142 | 1,259,226.5482 | 3,124,042.5312 |
| 5143 | 1,259,226.0379 | 3,124,097.5272 |
| 5144 | 1,259,219.9418 | 3,124,053.9704 |
| 5145 | 1,259,219.8954 | 3,124,058.9655 |
| 5146 | 1,259,219.6913 | 3,124,080.9692 |
| 5147 | 1,259,219.6449 | 3,124,085.9690 |
| 5148 | 1,259,219.5382 | 3,124,097.4685 |
| 5149 | 1,259,236.5672 | 3,124,097.5901 |

| COORDINATE LIST | | |
|---|---|---|
| POINT | NORTHING | EASTING |
| 5150 | 1,259,236.5957 | 3,124,092.8073 |
| 5151 | 1,259,246.2214 | 3,124,099.8530 |
| 5152 | 1,259,241.8048 | 3,124,099.8266 |
| 5153 | 1,259,241.8048 | 3,124,107.9941 |
| 5154 | 1,259,219.4758 | 3,124,107.9037 |
| 5155 | 1,259,215.7625 | 3,124,115.9790 |
| 5156 | 1,259,206.0388 | 3,124,097.3432 |
| 5157 | 1,259,201.4972 | 3,124,101.8008 |
| 5158 | 1,259,208.6208 | 3,124,107.8388 |
| 5159 | 1,259,208.6208 | 3,124,115.9947 |
| 5160 | 1,259,210.7911 | 3,124,115.9790 |
| 5161 | 1,259,201.4415 | 3,124,107.8011 |
| 5162 | 1,259,201.3655 | 3,124,115.9947 |
| 5163 | 1,259,201.3098 | 3,124,121.9946 |
| 5164 | 1,259,182.3327 | 3,124,025.1970 |
| 5165 | 1,259,182.0032 | 3,124,027.6209 |
| 5166 | 1,259,178.0390 | 3,124,042.2757 |
| 5167 | 1,259,173.6534 | 3,124,045.6005 |
| 5168 | 1,259,157.0182 | 3,124,045.4461 |
| 5169 | 1,259,155.9883 | 3,124,156.4413 |
| 5170 | 1,259,171.4876 | 3,124,156.5852 |
| 5171 | 1,259,175.9458 | 3,124,161.0850 |
| 5172 | 1,259,175.2643 | 3,124,170.5707 |
| 5173 | 1,259,165.6108 | 3,124,211.1286 |
| 5174 | 1,259,164.9379 | 3,124,219.7668 |
| 5175 | 1,259,200.9446 | 3,124,161.3587 |
| 5176 | 1,259,200.0332 | 3,124,173.9622 |
| 5177 | 1,259,190.8692 | 3,124,241.3816 |
| 5178 | 1,259,189.9668 | 3,124,253.8595 |
| 5179 | 1,259,165.5587 | 3,124,255.9404 |
| 5180 | 1,259,181.5241 | 3,124,256.2259 |
| 5181 | 1,259,180.8381 | 3,124,273.1474 |
| 5182 | 1,259,187.2862 | 3,124,273.3116 |
| 5183 | 1,259,189.2400 | 3,124,332.1746 |
| 5184 | 1,259,188.4530 | 3,124,376.1340 |
| 5185 | 1,259,189.2145 | 3,124,396.1294 |
| 5186 | 1,259,196.4966 | 3,124,376.0799 |
| 5187 | 1,259,201.0734 | 3,124,373.0149 |
| 5188 | 1,259,196.6312 | 3,124,396.0795 |
| 5189 | 1,259,219.5152 | 3,124,380.7545 |
| 5190 | 1,259,239.0325 | 3,124,334.2487 |
| 5191 | 1,259,222.4530 | 3,124,322.0716 |
| 5192 | 1,259,210.2024 | 3,124,214.4748 |
| 5193 | 1,259,221.2137 | 3,124,214.5369 |
| 5194 | 1,259,228.7022 | 3,124,216.5887 |
| 5195 | 1,259,233.4391 | 3,124,213.5669 |
| 5196 | 1,259,240.8335 | 3,124,215.6179 |
| 5197 | 1,259,240.7718 | 3,124,220.6175 |
| 5198 | 1,259,281.2800 | 3,124,216.1000 |
| 5199 | 1,259,281.2800 | 3,124,221.1045 |

| COORDINATE LIST | | |
|---|---|---|
| POINT | NORTHING | EASTING |
| 5200 | 1,259,215.2668 | 3,124,208.5032 |
| 5201 | 1,259,367.0447 | 3,124,209.5767 |
| 5202 | 1,259,380.6235 | 3,124,217.5101 |
| 5203 | 1,259,377.0031 | 3,124,223.6952 |
| 5204 | 1,259,419.5798 | 3,124,248.6170 |
| 5205 | 1,259,454.3163 | 3,124,189.2737 |
| 5206 | 1,259,463.7599 | 3,124,191.4531 |
| 5207 | 1,259,464.0016 | 3,124,190.0044 |
| 5208 | 1,259,399.4437 | 3,124,117.7856 |
| 5209 | 1,259,394.1465 | 3,124,104.1118 |
| 5210 | 1,259,404.8649 | 3,124,104.2175 |
| 5211 | 1,259,404.9776 | 3,124,032.6335 |
| 5212 | 1,259,386.7916 | 3,124,032.5249 |
| 5213 | 1,259,344.9603 | 3,124,032.2750 |
| 5214 | 1,259,345.2823 | 3,124,006.2764 |
| 5215 | 1,259,288.9499 | 3,124,005.9399 |
| 5216 | 1,259,289.9168 | 3,124,025.4460 |
| 5217 | 1,259,246.7954 | 3,124,031.6885 |
| 5218 | 1,259,246.5966 | 3,124,092.8551 |
| 5219 | 1,259,609.6893 | 3,124,063.1844 |
| 5220 | 1,259,579.2243 | 3,124,046.8756 |
| 5221 | 1,259,583.4719 | 3,124,038.9410 |
| 5222 | 1,259,246.1727 | 3,124,108.0194 |
| 5223 | 1,259,215.7463 | 3,124,123.5046 |
| 5224 | 1,259,600.6924 | 3,123,934.7323 |
| 5225 | 1,259,596.4448 | 3,123,942.6669 |
| 5226 | 1,259,574.2438 | 3,123,920.5736 |
| 5227 | 1,259,569.9962 | 3,123,928.5082 |
| 5228 | 1,259,277.6774 | 3,124,297.5371 |
| 5229 | 1,259,279.6567 | 3,124,284.6887 |
| 5230 | 1,259,251.9769 | 3,124,280.4245 |
| 5231 | 1,259,239.2294 | 3,124,272.6392 |
| 5232 | 1,259,232.0792 | 3,124,273.5453 |
| 5233 | 1,259,229.0323 | 3,124,278.7140 |
| 5234 | 1,259,242.2920 | 3,124,292.0859 |
| 5235 | 1,259,247.5746 | 3,124,280.0794 |
| 5236 | 1,259,238.1870 | 3,124,274.3460 |
| 5237 | 1,259,231.4112 | 3,124,285.4405 |
| 5238 | 1,259,247.6598 | 3,124,284.8184 |
| 5239 | 1,259,241.8413 | 3,124,289.4671 |
| 5240 | 1,259,423.3753 | 3,124,084.8130 |
| 5241 | 1,259,489.0782 | 3,124,323.8426 |
| 5242 | 1,259,489.0782 | 3,124,330.1760 |
| 5243 | 1,259,479.0781 | 3,124,323.8426 |
| 5244 | 1,259,479.0781 | 3,124,330.1760 |
| 5245 | 1,259,638.3219 | 3,123,965.0848 |
| 5246 | 1,259,626.4200 | 3,123,958.7134 |
| 5247 | 1,259,624.5765 | 3,123,952.6223 |
| 5248 | 1,259,616.8995 | 3,123,915.0515 |
| 5249 | 1,259,581.6346 | 3,123,896.1733 |

| COORDINATE LIST | | |
|---|---|---|
| POINT | NORTHING | EASTING |
| 5250 | 1,259,548.4719 | 3,123,906.2101 |
| 5251 | 1,259,513.9404 | 3,123,970.7154 |
| 5252 | 1,259,507.8493 | 3,123,972.5589 |
| 5253 | 1,259,428.8438 | 3,124,026.7761 |
| 5254 | 1,259,428.8137 | 3,124,034.2896 |
| 5255 | 1,259,426.5875 | 3,124,038.4296 |
| 5256 | 1,259,417.7945 | 3,124,045.1023 |
| 5257 | 1,259,416.0547 | 3,124,048.8668 |
| 5258 | 1,259,415.9010 | 3,124,077.7905 |
| 5259 | 1,259,418.5411 | 3,124,082.2251 |
| 5260 | 1,259,390.7112 | 3,124,026.5819 |

| COORDINATE LIST | | |
|---|---|---|
| POINT | NORTHING | EASTING |
| 500 | 1,259,570.0717 | 3,123,917.7730 |
| 501 | 1,259,605.2888 | 3,123,936.7403 |
| 502 | 1,259,497.2257 | 3,123,901.6824 |
| 503 | 1,259,496.5189 | 3,123,966.1793 |
| 504 | 1,259,447.0235 | 3,123,935.3830 |
| 505 | 1,259,446.8442 | 3,123,965.3825 |
| 506 | 1,259,387.0245 | 3,123,935.0246 |
| 507 | 1,259,386.8453 | 3,123,965.0240 |
| 508 | 1,259,377.2277 | 3,123,900.9664 |
| 509 | 1,259,363.2155 | 3,123,900.8817 |
| 510 | 1,259,353.0569 | 3,123,929.5136 |
| 511 | 1,259,352.8776 | 3,123,959.5131 |
| 512 | 1,259,304.7376 | 3,123,889.2242 |
| 513 | 1,259,263.5466 | 3,123,886.9780 |
| 514 | 1,259,213.0593 | 3,123,928.6768 |
| 515 | 1,259,212.8801 | 3,123,958.6762 |
| 516 | 1,259,181.1919 | 3,123,906.4863 |
| 517 | 1,259,177.8549 | 3,124,021.4684 |
| 518 | 1,259,172.8328 | 3,124,025.1402 |
| 519 | 1,259,173.6951 | 3,124,041.1007 |
| 520 | 1,259,171.4458 | 3,124,161.0850 |
| 521 | 1,259,196.4630 | 3,124,371.0800 |
| 522 | 1,259,289.4625 | 3,124,254.7829 |
| 523 | 1,259,100.4489 | 3,124,160.4262 |
| 524 | 1,259,205.9970 | 3,124,101.8430 |
| 525 | 1,259,206.5908 | 3,124,037.8458 |
| 526 | 1,259,211.5991 | 3,124,036.9783 |
| 527 | 1,259,399.5533 | 3,124,013.9336 |
| 528 | 1,259,446.5576 | 3,124,013.3519 |
| 529 | 1,259,454.3465 | 3,124,012.3519 |
| 530 | 1,259,478.9027 | 3,124,026.6317 |
| 531 | 1,259,440.2541 | 3,124,098.9525 |
| 532 | 1,259,448.4723 | 3,124,138.5659 |
| 533 | 1,259,492.5076 | 3,124,162.2493 |
| 534 | 1,259,241.0122 | 3,124,200.6190 |
| 535 | 1,259,423.8137 | 3,124,034.2696 |
| 536 | 1,259,421.0782 | 3,124,048.9043 |
| 537 | 1,259,420.9009 | 3,124,077.8170 |
| 538 | 1,259,441.4278 | 3,124,093.8832 |
| 539 | 1,259,451.4633 | 3,124,141.8169 |
| 540 | 1,259,409.4905 | 3,124,136.5913 |
| 541 | 1,259,402.8077 | 3,124,122.3305 |
| 542 | 1,259,509.9731 | 3,123,968.5916 |
| 543 | 1,259,579.0025 | 3,124,108.6989 |
| 544 | 1,259,579.5554 | 3,124,111.2634 |

D2C ARCHITECTS
PEC
PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
351 LINDEN ST, STE 100
FORT COLLINS, CO 80524
970-232-9558 www.pec1.com

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| MARK | DESCRIPTION | DATE | APPR |
|---|---|---|---|

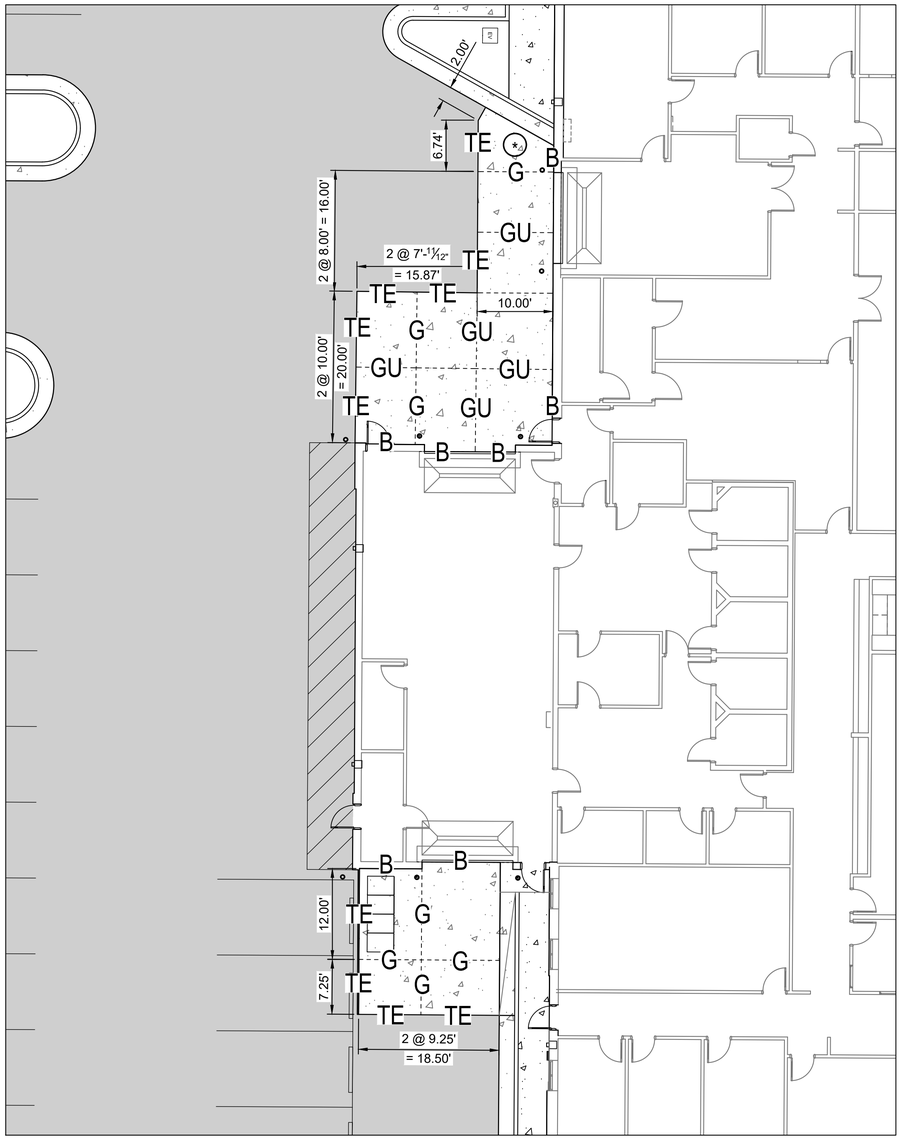
| | | | |
|---|---|---|---|
| DESIGN BY: NAR | ISSUE DATE: OCTOBER 14, 2025 | | |
| D2C PROJECT NUMBER 202420 | CONSULTANT'S PROJECT # 240867-000 | | |
| DRAWN BY: CJR | CKD BY: KJB | SOLICITATION NO.: | |
| SBMT BY: NAR | PLOT DATE: 2/17/2025 10:05:48 AM | CONTRACT NO.: | |
| PLOT SCALE: | | FILE NUMBER: | |
| SIZE: 22" x 34" | FILE NAME: 240867-000 C212 - COORDINATE TABLES.dwg | | |

**DESIGN DEVELOPMENT**

NOT FOR CONSTRUCTION

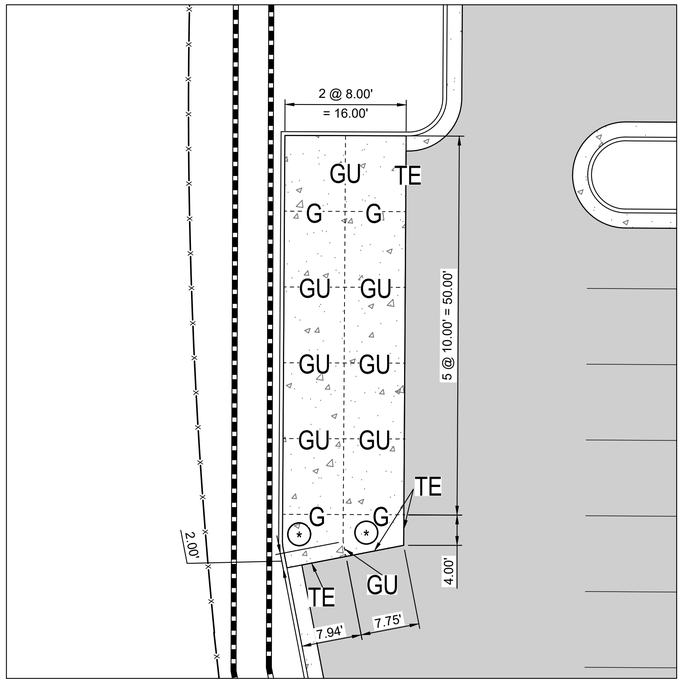
TOWN OF ERIE
ERIE PD - ADDITION & RENOVATION
1000 TELLEEN AVENUE, ERIE, COLORADO 80516
COORDINATE TABLES

**SHEET IDENTIFICATION**
C-212



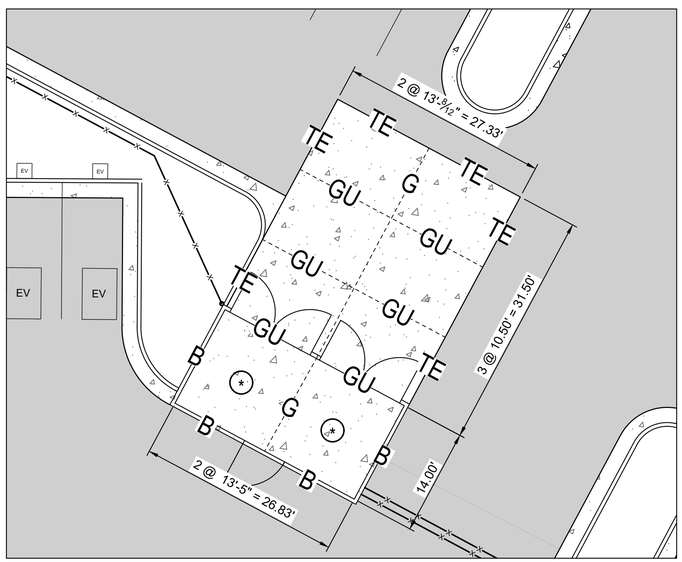

1 SALLY-PORT CONCRETE APRONS (ADD ALT #1 - SNOW MELT SYSTEM)

1" = 10'



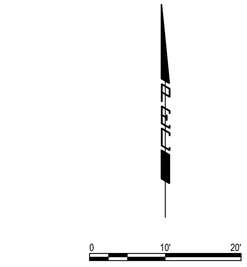

2 MOBILE TRAINING CENTER CONCRETE PAD

NOT TO SCALE



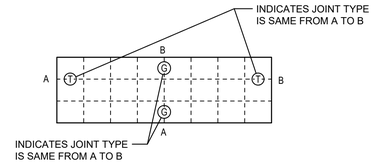

3 TRASH ENCLOSURE CONCRETE PAD

1" = 10'




PAVEMENT JOINT LEGEND

| | |
|---|---|
| TE | THICKENED EDGE JOINT |
| B | BUTT JOINT |
| G (PLAN) DETAIL D | LONGITUDINAL CONTRACTION JOINT |
| GU (PLAN) DETAIL F | LONGITUDINAL CONSTRUCTION JOINT |
| - - - - - - - | PAVEMENT JOINT |
| ⊙ | PANEL TO BE REINFORCED |




JOINT CALL-OUT CONVENTIONS

NOTE: SEE SHEET CP501 FOR CONCRETE REINFORCEMENT AND JOINTING DETAILS

D2C ARCHITECTS

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FORT COLLINS, CO 80524
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|---|---|---|---|
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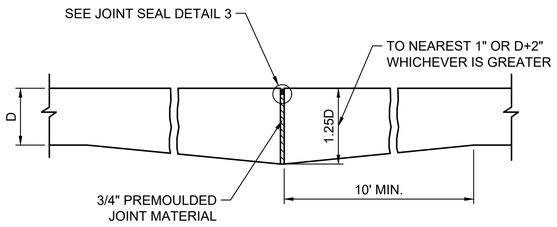
ISSUE DATE: **OCTOBER 14, 2025**
CONSULTANT'S PROJECT #: 240667-000
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:
DESIGN BY: NAR
D2C PROJECT NUMBER: 202420
DRAWN BY: CJR
CKD BY: KJB
SBMT BY: NAR
PLOT DATE: 2/17/2025 10:05:48 AM
PLOT SCALE:
SIZE: 22" X 34"
FILE NAME: P:\D2C\202420\C213 - CONCRETE JOINTING PLAN.dwg

**DESIGN DEVELOPMENT**

NOT FOR CONSTRUCTION

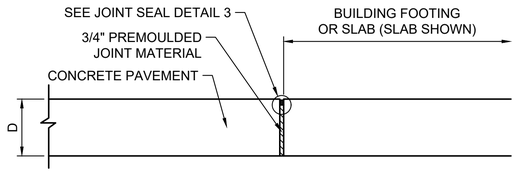
TOWN OF ERIE
ERIE PD - ADDITION & RENOVATION
1000 TELLEEN AVENUE, ERIE, COLORADO 80516
CONCRETE JOINTING PLAN

SHEET IDENTIFICATION
C-213



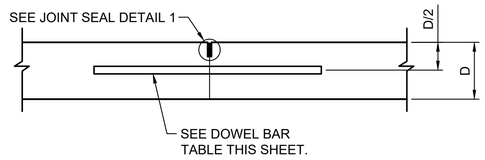

## 1 THICKENED EDGE JOINT DETAIL (TE)

NOT TO SCALE




## 2 BUTT JOINT DETAIL (B)

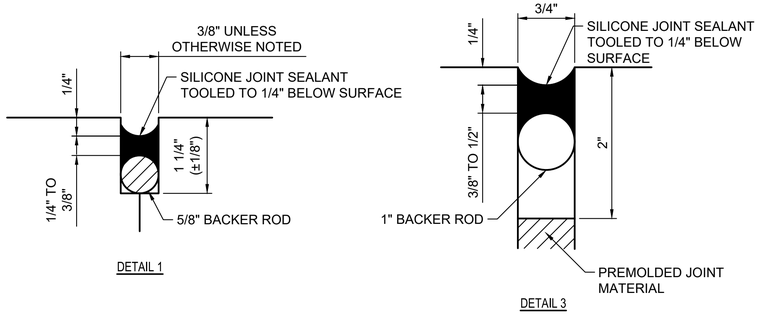
NOT TO SCALE




## 3 DOWELED CONSTRUCTION JOINT DETAIL (D)

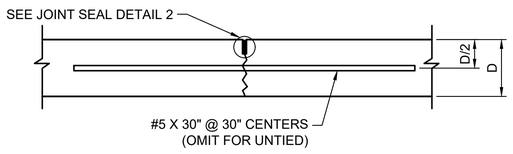
NOT TO SCALE

| DOWEL BAR TABLE | | | |
|---|---|---|---|
| D | DIA. | L | S |
| 5-7 IN | 3/4 IN | 18 IN | 12 IN |
| 7.5-12 IN | 1 IN | 18 IN | 12 IN |
| 12.5-16 IN | 1-1/4 IN | 20 IN | 15 IN |



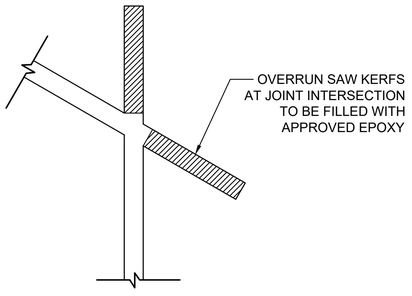

## 4 JOINT SEAL DETAILS

NOT TO SCALE



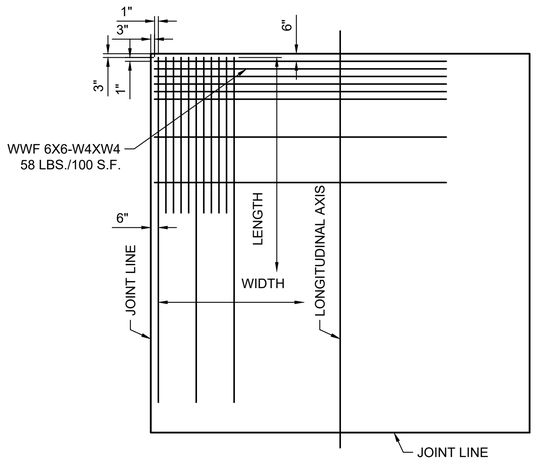

## 5 SAWED CONTRACTION JOINT DETAIL (G, GU)

NOT TO SCALE




## 6 KERF DETAIL

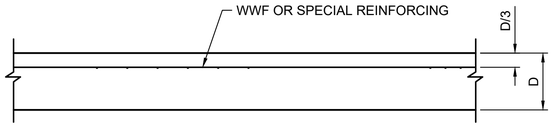
NOT TO SCALE




WELDED WIRE FABRIC

### WELDED WIRE FABRIC NOTES

1. REINFORCING FABRIC SHALL BE FURNISHED IN SHEETS. THE CONTRACTOR MAY PROVIDE A DIFFERENT PATTERN OF FABRIC AS LONG AS MINIMUM OF 0.08 SQ. IN./FT. OF REINFORCING IS PROVIDED IN EACH DIRECTION.
2. WELDED WIRE FABRIC SHALL BE CUT IN THE FIELD AS REQUIRED TO CONFORM TO THE SHAPE OF THE PANEL TO BE REINFORCED.
3. FABRIC SHEETS SHALL BE OVERLAP SPLICED AS APPLICABLE AND AS DETAILED BELOW.




SECTION THRU PAVEMENT

## 7 TYPICAL SLAB REINFORCING DETAIL

NOT TO SCALE

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|---|---|---|---|

ISSUE DATE: **OCTOBER 14, 2025**
CONSULTANT'S PROJECT #: 240667-000
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:
DESIGN BY: NAR
D2C PROJECT NUMBER: 202420
DRAWN BY: CJR
CKD BY: KJB
SBMT BY: NAR
PLOT DATE: 2/17/2025 10:05:48 AM
PLOT SCALE:
SIZE: 22" x 34"
FILE NAME: 240667-000-C214 - CONCRETE JOINTING DETAILS.dwg

**DESIGN DEVELOPMENT**

NOT FOR CONSTRUCTION

TOWN OF ERIE
# ERIE PD - ADDITION & RENOVATION
1000 TELLEEN AVENUE, ERIE, COLORADO 80516

## CONCRETE JOINTING DETAILS

**SHEET IDENTIFICATION**
C-214

GRADING NOTES:

1. THE CONTRACTOR SHALL ADHERE TO THE LATEST ADA REGULATIONS. ANY DISCREPANCIES WITH GRADES SHOWN SHALL BE REPORTED TO THE ENGINEER FOR RESOLUTION PRIOR TO PLACEMENT OF PAVEMENT, INCLUDING CONCRETE WALKS. THE CONTRACTOR SHALL COMPLY TO THE FOLLOWING GRADING REQUIREMENTS FOR ADA ACCESSIBLE ROUTES:

   CURB RAMPS: SLOPE NOT TO EXCEED 1:12 MAX. LENGTH = 6 FEET W/MAX. RISE OF 6 INCHES.

   CONCRETE WALKS: LONGITUDINAL SLOPE NOT TO EXCEED 5%. TRANSVERSE SLOPE NOT TO EXCEED 2%.

   LANDING AREAS: SLOPE NOT TO EXCEED 2% IN ALL DIRECTIONS. 5' LANDING AREA REQUIRED AT DOOR ENTRANCES AND CURB RAMPS.

   PARKING SPACES: SLOPE NOT TO EXCEED 2% IN ALL DIRECTIONS.

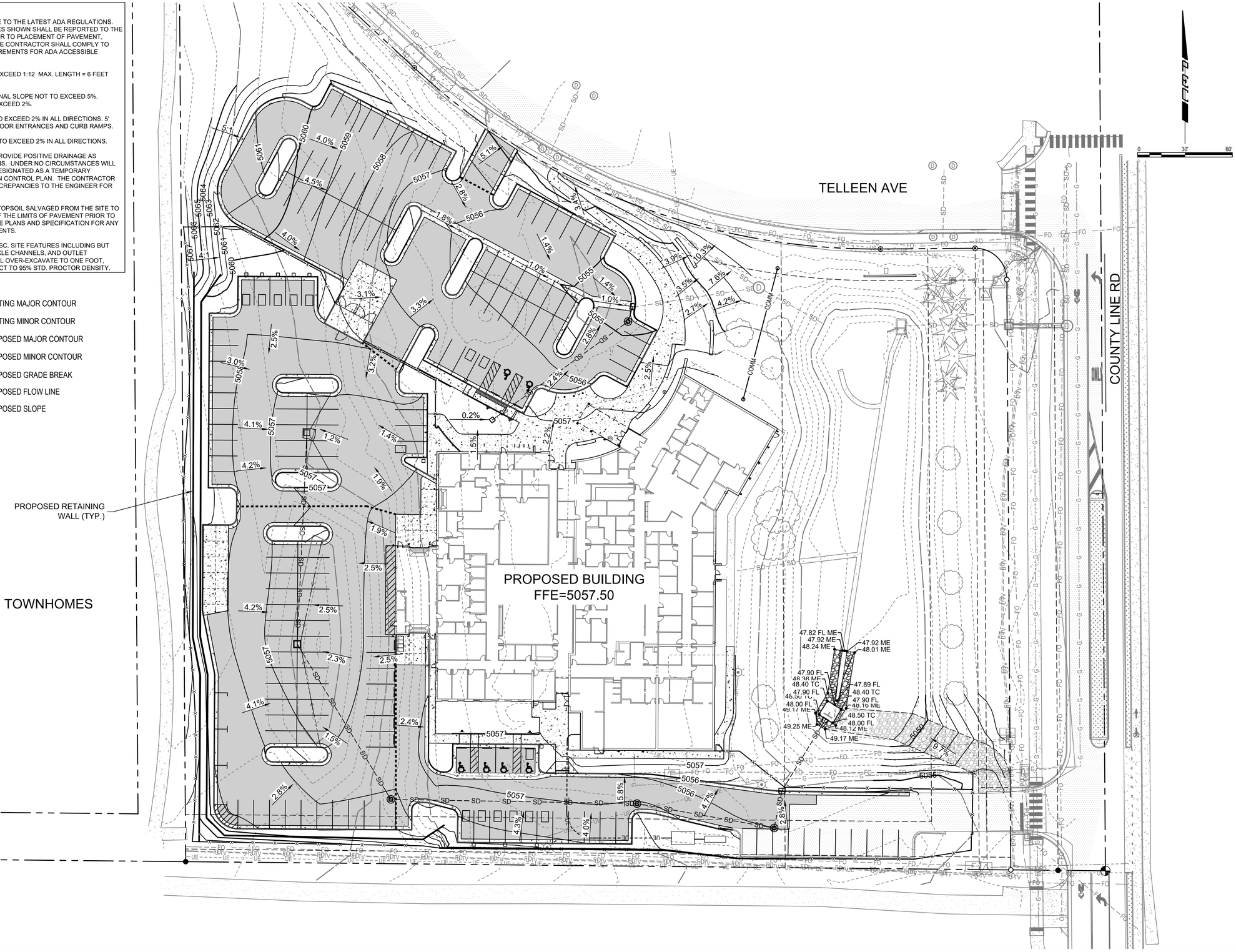
2. THE SITE SHALL BE GRADED TO PROVIDE POSITIVE DRAINAGE AS INDICATED ON THE GRADING PLANS. UNDER NO CIRCUMSTANCES WILL PONDING BE ALLOWED UNLESS DESIGNATED AS A TEMPORARY SEDIMENT BASIN ON THE EROSION CONTROL PLAN. THE CONTRACTOR SHALL REPORT ANY GRADING DISCREPANCIES TO THE ENGINEER FOR RESOLUTION.

3. THE CONTRACTOR SHALL APPLY TOPSOIL SALVAGED FROM THE SITE TO ALL DISTURBED AREA OUTSIDE OF THE LIMITS OF PAVEMENT PRIOR TO SEEDING. REFERENCE LANDSCAPE PLANS AND SPECIFICATION FOR ANY TOPSOIL AMENDMENT REQUIREMENTS.

4. SUBGRADE PREPARATION FOR MISC. SITE FEATURES INCLUDING BUT NOT LIMITED TO FOREBAYS, TRICKLE CHANNELS, AND OUTLET STRUCTURES CONTRACTOR SHALL OVER-EXCAVATE TO ONE FOOT, MOISTURE TREAT AND RE-COMPACT TO 95% STD. PROCTOR DENSITY.

GRADING LEGEND

- 5050 — EXISTING MAJOR CONTOUR
- 5049 — EXISTING MINOR CONTOUR
- 5050 — PROPOSED MAJOR CONTOUR
- 5049 — PROPOSED MINOR CONTOUR
- PROPOSED GRADE BREAK
- PROPOSED FLOW LINE
- 1.00% — PROPOSED SLOPE

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|---|---|---|---|

DESIGN BY: NAR
D2C PROJECT NUMBER 202420
DRAWN BY: CJR
SBMT BY: NAR
PLOT SCALE: 1:1
ISSUE DATE: OCTOBER 14, 2025
CONSULTANT'S PROJECT # 240667-000
CKD BY: KJB
PLOT DATE: 2/17/2025 10:05:48 AM
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:
SIZE: 22" X 34"
FILE NAME: 240667-000-C301 - OVERALL GRADING PLAN.dwg

***DESIGN DEVELOPMENT***

NOT FOR CONSTRUCTION

TOWN OF ERIE
# ERIE PD - ADDITION & RENOVATION
1000 TELLEEN AVENUE, ERIE, COLORADO 80516

OVERALL GRADING PLAN

**SHEET IDENTIFICATION**
C-301

GRADING NOTES:

1. THE CONTRACTOR SHALL ADHERE TO THE LATEST ADA REGULATIONS. ANY DISCREPANCIES WITH GRADES SHOWN SHALL BE REPORTED TO THE ENGINEER FOR RESOLUTION PRIOR TO PLACEMENT OF PAVEMENT, INCLUDING CONCRETE WALKS. THE CONTRACTOR SHALL COMPLY TO THE FOLLOWING GRADING REQUIREMENTS FOR ADA ACCESSIBLE ROUTES:

   CURB RAMPS: SLOPE NOT TO EXCEED 1:12 MAX. LENGTH = 6 FEET W/MAX. RISE OF 6 INCHES.

   CONCRETE WALKS: LONGITUDINAL SLOPE NOT TO EXCEED 5%. TRANSVERSE SLOPE NOT TO EXCEED 2%.

   LANDING AREAS: SLOPE NOT TO EXCEED 2% IN ALL DIRECTIONS. 5' LANDING AREA REQUIRED AT DOOR ENTRANCES AND CURB RAMPS.

   PARKING SPACES: SLOPE NOT TO EXCEED 2% IN ALL DIRECTIONS.

2. THE SITE SHALL BE GRADED TO PROVIDE POSITIVE DRAINAGE AS INDICATED ON THE GRADING PLANS. UNDER NO CIRCUMSTANCES WILL PONDING BE ALLOWED UNLESS DESIGNATED AS A TEMPORARY SEDIMENT BASIN ON THE EROSION CONTROL PLAN. THE CONTRACTOR SHALL REPORT ANY GRADING DISCREPANCIES TO THE ENGINEER FOR RESOLUTION.

3. THE CONTRACTOR SHALL APPLY TOPSOIL SALVAGED FROM THE SITE TO ALL DISTURBED AREA OUTSIDE OF THE LIMITS OF PAVEMENT PRIOR TO SEEDING. REFERENCE LANDSCAPE PLANS AND SPECIFICATION FOR ANY TOPSOIL AMENDMENT REQUIREMENTS.

4. SUBGRADE PREPARATION FOR MISC. SITE FEATURES INCLUDING BUT NOT LIMITED TO FOREBAYS, TRICKLE CHANNELS, AND OUTLET STRUCTURES CONTRACTOR SHALL OVER-EXCAVATE TO ONE FOOT, MOISTURE TREAT AND RE-COMPACT TO 95% STD. PROCTOR DENSITY.

## KEYNOTES - GRADING

1. CATCH CURB SECTION
2. TRANSITION CURB SECTION
3. SPILL CURB SECTION

NOTE: SEE SHEET C-210 FOR CATCH & SPILL CURB SECTION DETAILS

GRADING LEGEND

- 5050 — EXISTING MAJOR CONTOUR
- 5049 — EXISTING MINOR CONTOUR
- 5050 — PROPOSED MAJOR CONTOUR
- 5049 — PROPOSED MINOR CONTOUR
- PROPOSED GRADE BREAK
- PROPOSED FLOW LINE
- 1.00% — PROPOSED SLOPE

GRADING ABBREVIATIONS

| | |
|---|---|
| ME | MATCH EXISTING |
| TC | TOP OF CURB |
| FL | FLOW LINE |
| HP | HIGH POINT |
| LP | LOW POINT |
| TW | TOP OF WALL |
| BW | BOTTOM OF WALL |

0 20' 40'

TELLEEN AVE

CREEKSIDE TOWNHOMES

PROPOSED RETAINING WALL (TYP.)

PROPOSED BUILDING
FFE=5057.50

GRADING MATCHLINE
SEE SHEET C-303


D2C ARCHITECTS

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ISSUE DATE: OCTOBER 14, 2025
CONSULTANT'S PROJECT #: 240687-000
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:
DESIGN BY: NAR
D2C PROJECT NUMBER: 202420
DRAWN BY: CJR
CKD BY: KJB
SBMT BY: NAR
PLOT DATE: 2/17/2025 10:05:48 AM
PLOT SCALE:
SIZE: 22" x 34"
FILE NAME: P:\ERIE\1000 TELLEEN AVE - 202420\C-302 - GRADING PLAN NORTH.dwg

***DESIGN DEVELOPMENT***

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TOWN OF ERIE
# ERIE PD - ADDITION & RENOVATION
1000 TELLEEN AVENUE, ERIE, COLORADO 80516

## GRADING PLAN - NORTH

SHEET IDENTIFICATION
C-302

## KEYNOTES - GRADING

1. CATCH CURB SECTION
2. TRANSITION CURB SECTION
3. SPILL CURB SECTION

NOTE: SEE SHEET C-210 FOR CATCH & SPILL CURB SECTION DETAILS

GRADING LEGEND

- 5050 EXISTING MAJOR CONTOUR
- 5049 EXISTING MINOR CONTOUR
- 5050 PROPOSED MAJOR CONTOUR
- 5049 PROPOSED MINOR CONTOUR
- PROPOSED GRADE BREAK
- PROPOSED FLOW LINE
- 1.00% PROPOSED SLOPE

0 20' 40'

GRADING MATCHLINE
SEE SHEET C-302

CREEKSIDE TOWNHOMES

PROPOSED BUILDING
FFE=5057.50

PROPOSED RETAINING WALL (TYP.)

PROPOSED RETAINING WALL (TYP.)

EXISTING RETAINING WALL

PROPOSED RETAINING WALL CONNECTION TO EXISTING

PROPOSED RETAINING WALL (TYP.)


D2C ARCHITECTS

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| MARK | DESCRIPTION | DATE | APPR |
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ISSUE DATE: OCTOBER 14, 2025
CONSULTANT'S PROJECT # 240687-0000
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:
DESIGN BY: NAR
D2C PROJECT NUMBER 202420
DRAWN BY: CJR
CKD BY: KJB
SBMT BY: NAR
PLOT DATE: 2/17/2025 10:05:48 AM
PLOT SCALE:
SIZE: 22" x 34"
FILE NAME: P:\PROJ\D2C\202420 - ERIE PD\CAD\C-303 - GRADING PLAN SOUTH.dwg

**DESIGN DEVELOPMENT**

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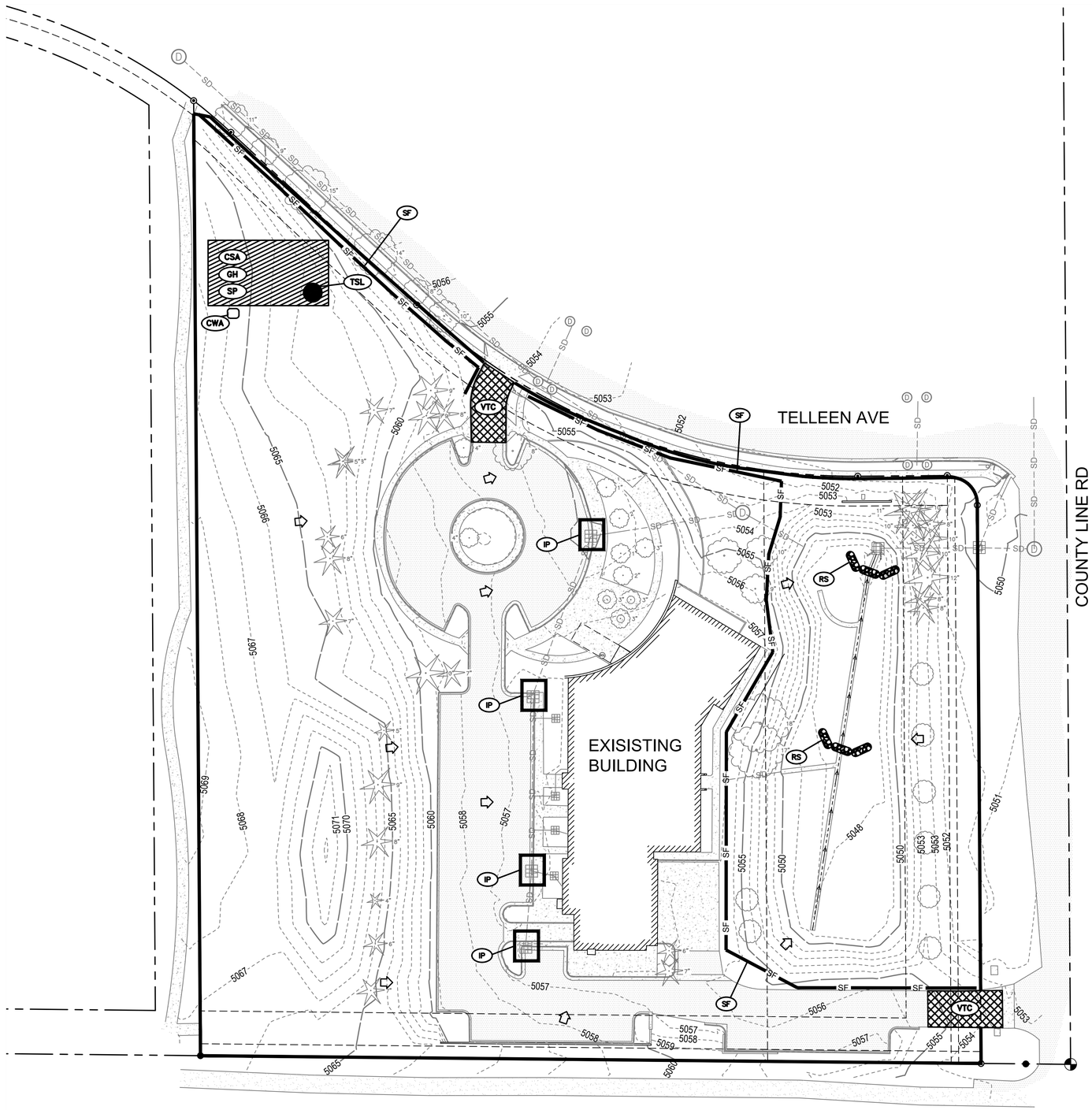
TOWN OF ERIE
# ERIE PD - ADDITION & RENOVATION
1000 TELLEEN AVENUE, ERIE, COLORADO 80516

GRADING PLAN - SOUTH

**SHEET IDENTIFICATION**
C-303



LEGEND

- RS — ROCK SOCK
- SCL — SEDIMENT CONTROL LOG
- VTC — VEHICLE TRACKING CONTROL (MATS)
- ECB — EROSION CONTROL BLANKET
- SF — SILT FENCE
- CSA — CONTRACTOR STAGING AREA
- GH — GOOD HOUSEKEEPING
- SP — STOCKPILE MANAGEMENT
- IP — INLET PROTECTION
- CWA — CONCRETE WASHOUT AREA
- TSL — TOPSOIL STOCKPILE LOCATION
- FLOW LINE
- FLOW DIRECTION
- CONSTRUCTION FENCE: LIMITS OF CONSTRUCTION
- 5050 — EXISTING MAJOR CONTOUR
- 5051 — EXISTING MINOR CONTOUR
- 5050 — PROPOSED MAJOR CONTOUR
- 5051 — PROPOSED MINOR CONTOUR

D2C ARCHITECTS

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ISSUE DATE: OCTOBER 14, 2025
CONSULTANT'S PROJECT #: 240667-000
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:
DESIGN BY: NAR
D2C PROJECT NUMBER: 202420
DRAWN BY: CJR
CKD BY: KJB
SBMT BY: NAR
PLOT DATE: 2/17/2025 10:05:48 AM
PLOT SCALE:
SIZE: 22" x 34"
FILE NAME: 240667-000-C304 - INITIAL EROSION CONTROL PLAN.dwg

***DESIGN DEVELOPMENT***

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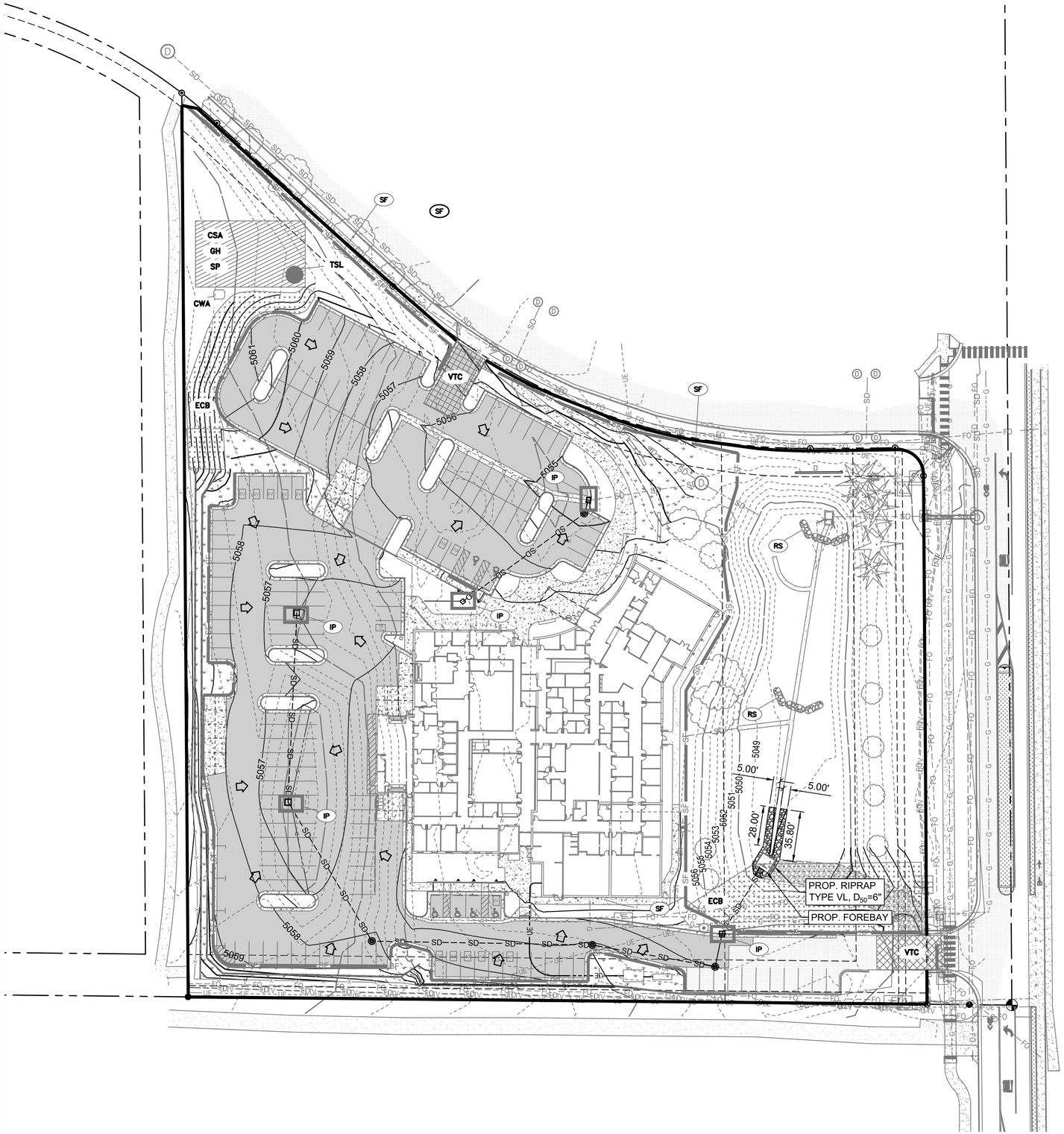
TOWN OF ERIE
# ERIE PD - ADDITION & RENOVATION
1000 TELLEEN AVENUE, ERIE, COLORADO 80516

## INITIAL EROSION CONTROL PLAN

**SHEET IDENTIFICATION**
C-304



## LEGEND

- ROCK SOCK
- SEDIMENT CONTROL LOG
- VEHICLE TRACKING CONTROL (MATS)
- EROSION CONTROL BLANKET
- SILT FENCE
- CONTRACTOR STAGING AREA
- GOOD HOUSEKEEPING
- STOCKPILE MANAGEMENT
- INLET PROTECTION
- CONCRETE WASHOUT AREA
- TOPSOIL STOCKPILE LOCATION
- PROPOSED GRADING LIMITS
- PROPOSED DITCH CENTER LINE
- FLOW DIRECTION
- CONSTRUCTION FENCE: LIMITS OF CONSTRUCTION
- PERMANENT SEEDING, REF. LANDSCAPE PLANS
- PROPOSED RIPRAP
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR

NOTES;

RIPRAP SHALL BE SOIL FILLED RIPRAP, TOP OF RIPRAP IS TO MATCH TOP OF GRADE.

INTERIM CONTROL MEASURES ARE SHOWN IN A GRAYED OUT MANNER ON THIS SHEET, INDICATING THEIR ARE TO BE REMOVED UPON ESTABLISHMENT OF VEGETATION. CONTRACTOR IS TO REPAIR ALL DISTURBED AREAS TO AN EQUAL OR BETTER CONDITION.

REFERENCE LANDSCAPE PLANS FOR SEEDING MIX AND ALL PERMANENT VEGETATION.

D2C ARCHITECTS

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CONSULTANTS PROJECT # 240667-000
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:

DESIGN BY: NAR
D2C PROJECT NUMBER 202420
DRAWN BY: CJR
CKD BY: KJB
SBMT BY: NAR
PLOT DATE: 2/17/2025 10:05:48 AM
PLOT SCALE:
SIZE: 22" x 34"
FILE NAME: 240667-000 - C306 - FINAL EROSION CONTROL PLAN.dwg

**DESIGN DEVELOPMENT**

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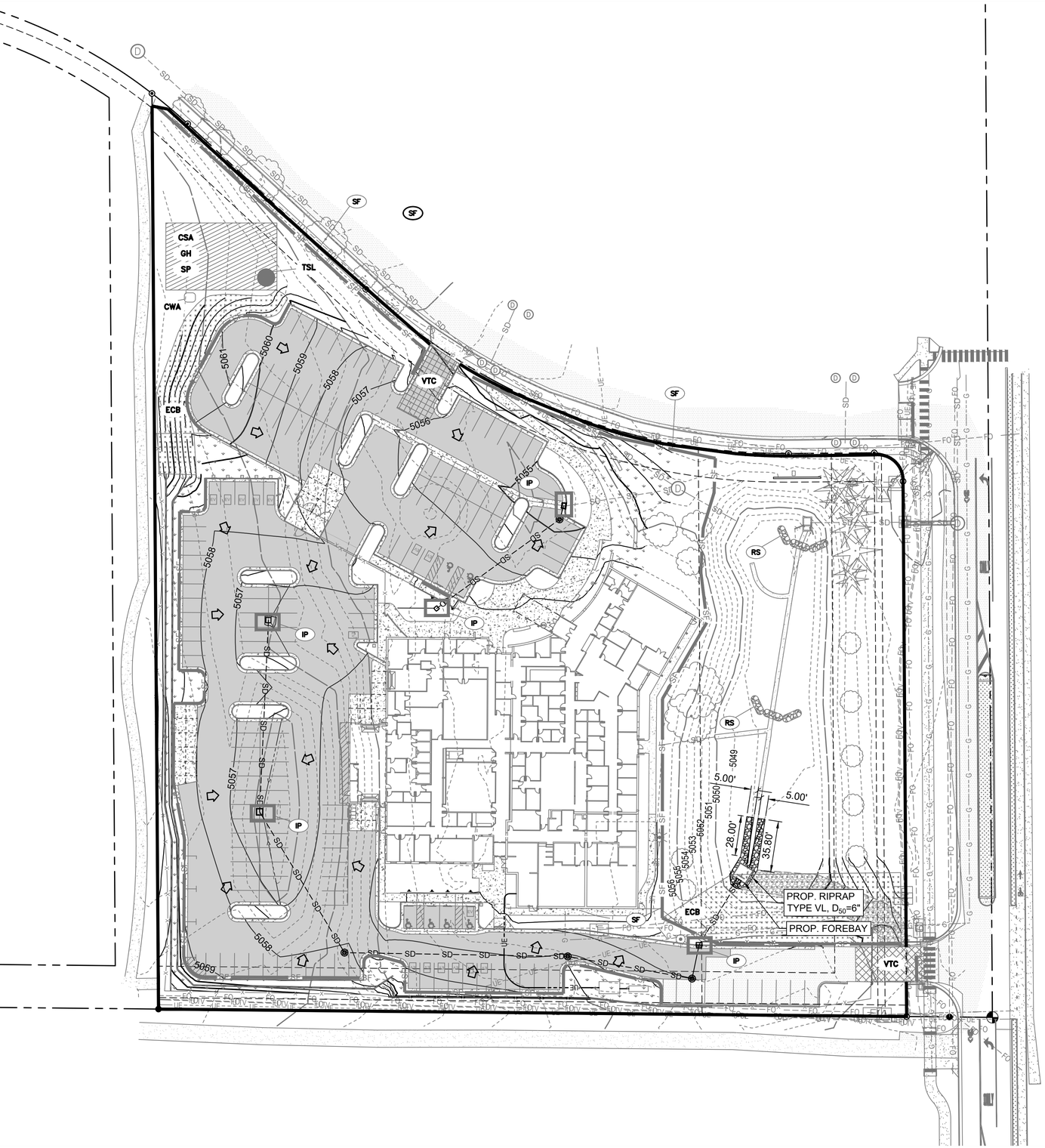
TOWN OF ERIE
# ERIE PD - ADDITION & RENOVATION
1000 TELLEEN AVENUE, ERIE, COLORADO 80516

## FINAL EROSION CONTROL PLAN

**SHEET IDENTIFICATION**
C-306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GH
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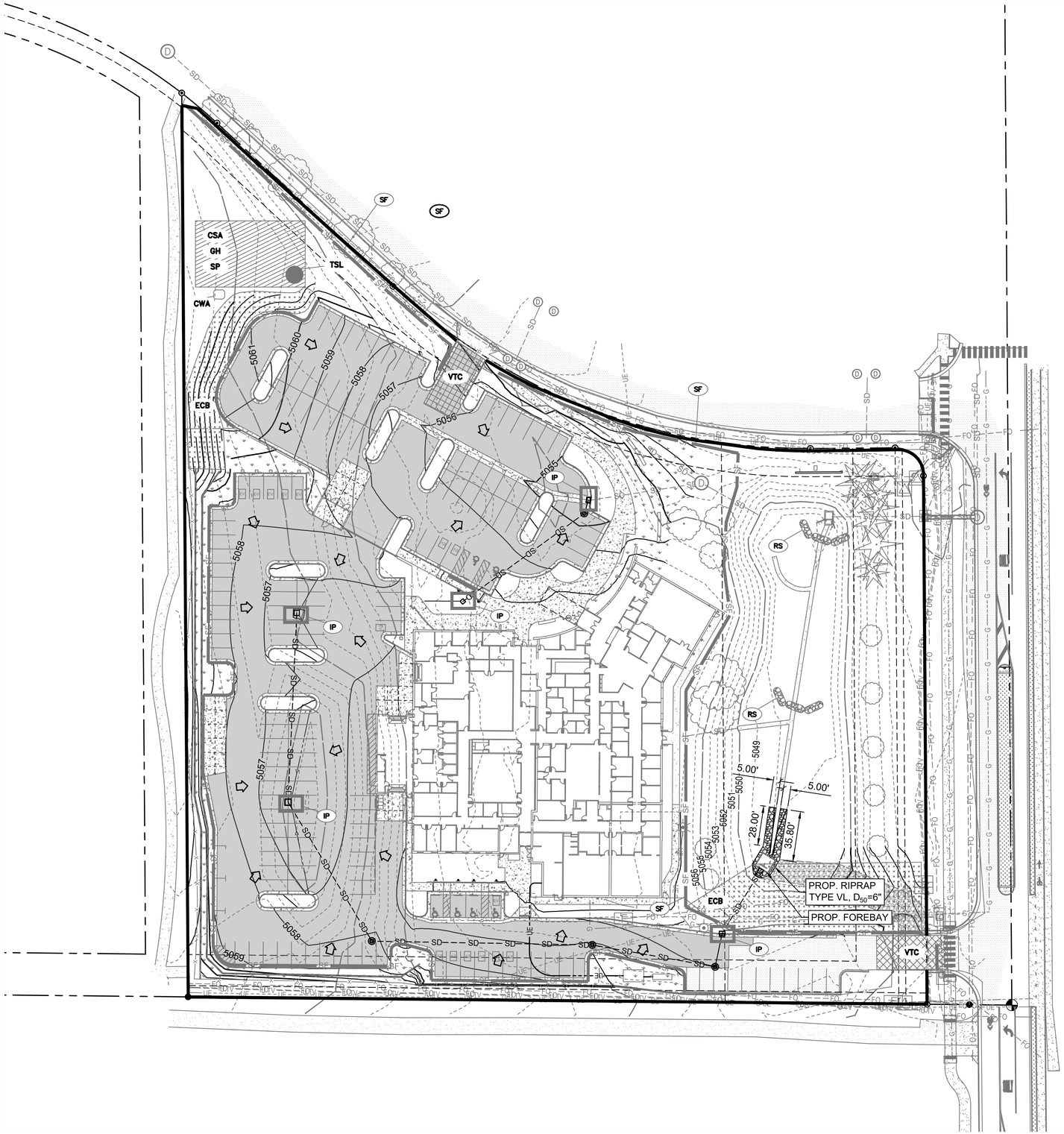
CWA
ECB
VTC
IP
SF
RS
SD
SD
SD



## LEGEND

- ROCK SOCK
- SEDIMENT CONTROL LOG
- VEHICLE TRACKING CONTROL (MATS)
- EROSION CONTROL BLANKET
- SILT FENCE
- CONTRACTOR STAGING AREA
- GOOD HOUSEKEEPING
- STOCKPILE MANAGEMENT
- INLET PROTECTION
- CONCRETE WASHOUT AREA
- TOPSOIL STOCKPILE LOCATION
- PROPOSED GRADING LIMITS
- PROPOSED DITCH CENTER LINE
- FLOW DIRECTION
- CONSTRUCTION FENCE: LIMITS OF CONSTRUCTION
- PERMANENT SEEDING, REF. LANDSCAPE PLANS
- PROPOSED RIPRAP
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR

NOTES;

RIPRAP SHALL BE SOIL FILLED RIPRAP, TOP OF RIPRAP IS TO MATCH TOP OF GRADE.

INTERIM CONTROL MEASURES ARE SHOWN IN A GRAYED OUT MANNER ON THIS SHEET, INDICATING THEIR ARE TO BE REMOVED UPON ESTABLISHMENT OF VEGETATION. CONTRACTOR IS TO REPAIR ALL DISTURBED AREAS TO AN EQUAL OR BETTER CONDITION.

REFERENCE LANDSCAPE PLANS FOR SEEDING MIX AND ALL PERMANENT VEGETATION.

D2C ARCHITECTS

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CONSULTANTS PROJECT # 240667-000
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:

DESIGN BY: NAR
D2C PROJECT NUMBER 202420
DRAWN BY: CJR
CKD BY: KJB
SBMT BY: NAR
PLOT DATE: 2/17/2025 10:05:48 AM
PLOT SCALE:
SIZE: 22" x 34"
FILE NAME: 240667-000 - C306 - FINAL EROSION CONTROL PLAN.dwg

**DESIGN DEVELOPMENT**

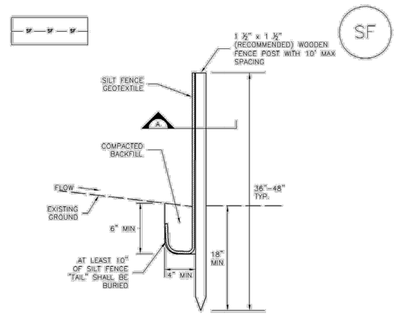
NOT FOR CONSTRUCTION

TOWN OF ERIE
# ERIE PD - ADDITION & RENOVATION
1000 TELLEEN AVENUE, ERIE, COLORADO 80516

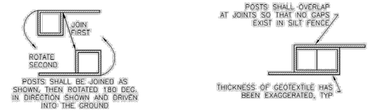
## FINAL EROSION CONTROL PLAN

**SHEET IDENTIFICATION**
C-306

## Silt Fence (SF) SC-1




SILT FENCE

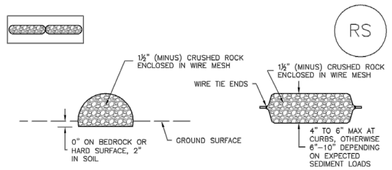



SECTION A

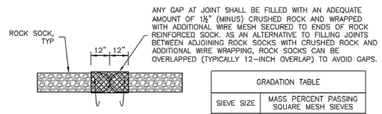
SF-1. SILT FENCE



## SC-5 Rock Sock (RS)




ROCK SOCK SECTION ROCK SOCK PLAN




ROCK SOCK JOINTING

| GRADATION TABLE | |
|---|---|
| SIEVE SIZE | MASS PERCENT PASSING SQUARE MESH SIEVES |
| | NO. 4 |
| 2" | 100 |
| 1½" | 90 – 100 |
| 1" | 20 – 55 |
| ¾" | 0 – 15 |
| ⅜" | 0 – 5 |
| MATCHES SPECIFICATIONS FOR NO. 4 COARSE AGGREGATE FOR CONCRETE PER AASHTO M43. ALL ROCK SHALL BE FRACTURED FACE, ALL SIDES. | |

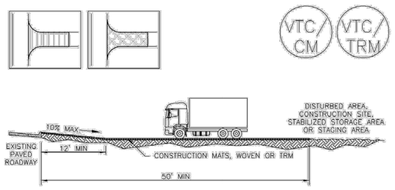
ROCK SOCK INSTALLATION NOTES

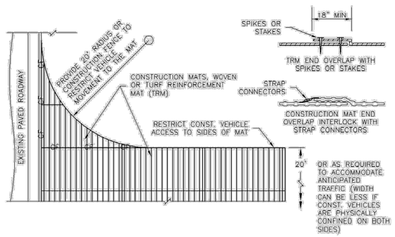
1. SEE PLAN VIEW FOR:
   –LOCATION(S) OF ROCK SOCKS.
2. CRUSHED ROCK SHALL BE 1½" (MINUS) IN SIZE WITH A FRACTURED FACE (ALL SIDES) AND SHALL COMPLY WITH GRADATION SHOWN ON THIS SHEET (1½" MINUS).
3. WIRE MESH SHALL BE FABRICATED OF 10 GAGE POULTRY MESH, OR EQUIVALENT, WITH A MAXIMUM OPENING OF ½", RECOMMENDED MINIMUM ROLL WIDTH OF 48"
4. WIRE MESH SHALL BE SECURED USING "HOG RINGS" OR WIRE TIES AT 6" CENTERS ALONG ALL JOINTS AND AT 2" CENTERS ON ENDS OF SOCKS.
5. SOME MUNICIPALITIES MAY ALLOW THE USE OF FILTER FABRIC AS AN ALTERNATIVE TO WIRE MESH FOR THE ROCK ENCLOSURE.

RS-1. ROCK SOCK PERIMETER CONTROL



## Vehicle Tracking Control (VTC) SM-4




VTC-3. VEHICLE TRACKING CONTROL W/ CONSTRUCTION MAT OR TURF REINFORCEMENT MAT (TRM)



## Mulching (MU) EC-4

### Description

Mulching consists of evenly applying straw, hay, shredded wood mulch, rock, bark or compost to disturbed soils and securing the mulch by crimping, tackifiers, netting or other measures. Mulching helps reduce erosion by protecting bare soil from rainfall impact, increasing infiltration, and reducing runoff. Although often applied in conjunction with temporary or permanent seeding, it can also be used for temporary stabilization of areas that cannot be reseeded due to seasonal constraints.

Mulch can be applied either using standard mechanical dry application methods or using hydromulching equipment that hydraulically applies a slurry of water, wood fiber mulch, and often a tackifier.

**Photograph MU-1.** An area that was recently seeded, mulched, and crimped.

### Appropriate Uses

Use mulch in conjunction with seeding to help protect the seedbed and stabilize the soil. Mulch can also be used as a temporary cover on low to mild slopes to help temporarily stabilize disturbed areas where growing season constraints prevent effective reseeding. Disturbed areas should be properly mulched and tacked, or seeded, mulched and tacked promptly after final grade is reached (typically within no longer than 14 days) on portions of the site not otherwise permanently stabilized.

Standard dry mulching is encouraged in most jurisdictions; however, hydromulching may not be allowed in certain jurisdictions or may not be allowed near waterways.

Do not apply mulch during windy conditions.

### Design and Installation

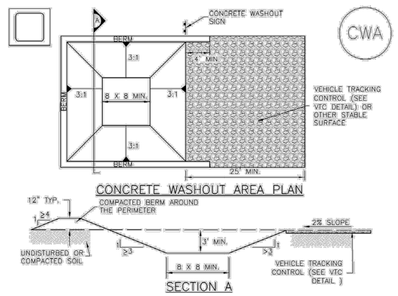
Prior to mulching, surface-roughen areas by rolling with a crimping or punching type roller or by track walking. Track walking should only be used where other methods are impractical because track walking with heavy equipment typically compacts the soil.

A variety of mulches can be used effectively at construction sites. Consider the following:

| Mulch | |
|---|---|
| **Functions** | |
| Erosion Control | Yes |
| Sediment Control | Moderate |
| Site/Material Management | No |



## Concrete Washout Area (CWA) MM-1




CONCRETE WASHOUT AREA PLAN




SECTION A

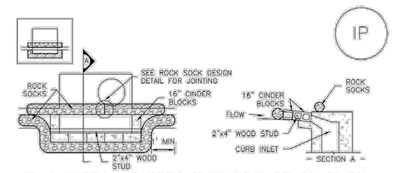
CWA-1. CONCRETE WASHOUT AREA

CWA INSTALLATION NOTES

1. SEE PLAN VIEW FOR:
   –CWA INSTALLATION LOCATION.
2. DO NOT LOCATE AN UNLINED CWA WITHIN 400' OF ANY NATURAL DRAINAGE PATHWAY OR WATERBODY. DO NOT LOCATE WITHIN 1,000' OF ANY WELLS OR DRINKING WATER SOURCES. IF SITE CONSTRAINTS MAKE THIS INFEASIBLE, OR IF HIGHLY PERMEABLE SOILS EXIST ON SITE, THE CWA MUST BE INSTALLED WITH AN IMPERMEABLE LINER (16 MIL MIN. THICKNESS) OR SURFACE STORAGE ALTERNATIVES USING PREFABRICATED CONCRETE WASHOUT DEVICES OR A LINED ABOVE GROUND STORAGE ARE SHOULD BE USED.
3. THE CWA SHALL BE INSTALLED PRIOR TO CONCRETE PLACEMENT ON SITE.
4. CWA SHALL INCLUDE A FLAT SUBSURFACE PIT THAT IS AT LEAST 8' BY 8' SLOPES LEADING OUT OF THE SUBSURFACE PIT SHALL BE 3:1 OR FLATTER. THE PIT SHALL BE AT LEAST 3' DEEP.
5. BERM SURROUNDING SIDES AND BACK OF THE CWA SHALL HAVE MINIMUM HEIGHT OF 1'.
6. VEHICLE TRACKING PAD SHALL BE SLOPED 2% TOWARDS THE CWA.
7. SIGNS SHALL BE PLACED AT THE CONSTRUCTION ENTRANCE, AT THE CWA, AND ELSEWHERE AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CWA TO OPERATORS OF CONCRETE TRUCKS AND PUMP RIGS.
8. USE EXCAVATED MATERIAL FOR PERIMETER BERM CONSTRUCTION.



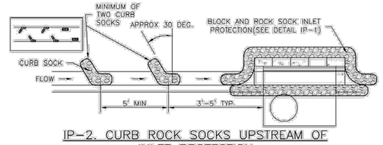
## SC-6 Inlet Protection (IP)




IP-1. BLOCK AND ROCK SOCK SUMP OR ON GRADE INLET PROTECTION

BLOCK AND CURB SOCK INLET PROTECTION INSTALLATION NOTES

1. SEE ROCK SOCK DESIGN DETAIL FOR INSTALLATION REQUIREMENTS.
2. CONCRETE "CINDER" BLOCKS SHALL BE LAID ON THEIR SIDES AROUND THE INLET IN A SINGLE ROW, ABUTTING ONE ANOTHER WITH THE OPEN END FACING AWAY FROM THE CURB.
3. GRAVEL BAGS SHALL BE PLACED AROUND CONCRETE BLOCKS, CLOSELY ABUTTING ONE ANOTHER AND JOINTED TOGETHER IN ACCORDANCE WITH ROCK SOCK DESIGN DETAIL.



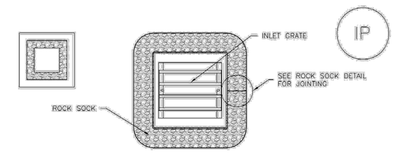

IP-2. CURB ROCK SOCKS UPSTREAM OF INLET PROTECTION

CURB ROCK SOCK INLET PROTECTION INSTALLATION NOTES

1. SEE ROCK SOCK DESIGN DETAIL INSTALLATION REQUIREMENTS.
2. PLACEMENT OF THE SOCK SHALL BE APPROXIMATELY 30 DEGREES FROM PERPENDICULAR IN THE OPPOSITE DIRECTION OF FLOW.
3. SOCKS ARE TO BE FLUSH WITH THE CURB AND SPACED A MINIMUM OF 5 FEET APART.
4. AT LEAST TWO CURB SOCKS IN SERIES ARE REQUIRED UPSTREAM OF ON-GRADE INLETS.



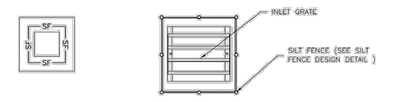
## Inlet Protection (IP) SC-6




IP-3. ROCK SOCK SUMP/AREA INLET PROTECTION

ROCK SOCK SUMP/AREA INLET PROTECTION INSTALLATION NOTES

1. SEE ROCK SOCK DESIGN DETAIL FOR INSTALLATION REQUIREMENTS.
2. STRAW WATTLES/SEDIMENT CONTROL LOGS MAY BE USED IN PLACE OF ROCK SOCKS FOR INLETS IN PERVIOUS AREAS. INSTALL PER SEDIMENT CONTROL LOG DETAIL.




IP-4. SILT FENCE FOR SUMP INLET PROTECTION

SILT FENCE INLET PROTECTION INSTALLATION NOTES

1. SEE SILT FENCE DESIGN DETAIL FOR INSTALLATION REQUIREMENTS.
2. POSTS SHALL BE PLACED AT EACH CORNER OF THE INLET AND AROUND THE EDGES AT A MAXIMUM SPACING OF 3 FEET.
3. STRAW WATTLES/SEDIMENT CONTROL LOGS MAY BE USED IN PLACE OF SILT FENCE FOR INLETS IN PERVIOUS AREAS. INSTALL PER SEDIMENT CONTROL LOG DETAIL.



## EC-4 Mulching (MU)

- Clean, weed-free and seed-free cereal grain straw should be applied evenly at a rate of 2 tons per acre and must be tacked or fastened by a method suitable for the condition of the site. Straw mulch must be anchored (and not merely placed) on the surface. This can be accomplished mechanically by crimping or with the aid of tackifiers or nets. Anchoring with a crimping implement is preferred, and is the recommended method for areas flatter than 3:1. Mechanical crimpers must be capable of tucking the long mulch fibers into the soil to a depth of 3 inches without cutting them. An agricultural disk, while not an ideal substitute, may work if the disk blades are dull or blunted and set vertically; however, the frame may have to be weighted to afford proper soil penetration.
- Grass hay may be used in place of straw; however, because hay is comprised of the entire plant including seed, mulching with hay may seed the site with non-native grass species which might in turn out-compete the native seed. Alternatively, native species of grass hay may be purchased, but can be difficult to find and are more expensive than straw. Purchasing and utilizing a certified weed-free straw is an easier and less costly mulching method. When using grass hay, follow the same guidelines as for straw (provided above).
- On small areas sheltered from the wind and heavy runoff, spraying a tackifier on the mulch is satisfactory for holding it in place. For steep slopes and special situations where greater control is needed, erosion control blankets anchored with stakes should be used instead of mulch.
- Hydraulic mulching consists of wood cellulose fibers mixed with water and a tackifying agent and should be applied at a rate of no less than 1,500 pounds per acre (1,425 lbs of fibers mixed with at least 75 lbs of tackifier) with a hydraulic mulcher. For steeper slopes, up to 2000 pounds per acre may be required for effective hydroseeding. Hydromulch typically requires up to 24 hours to dry; therefore, it should not be applied immediately prior to inclement weather. Application to roads, waterways and existing vegetation should be avoided.
- Erosion control mats, blankets, or nets are recommended to help stabilize steep slopes (generally 3:1 and steeper) and waterways. Depending on the product, these may be used alone or in conjunction with grass or straw mulch. Normally, use of these products will be restricted to relatively small areas. Biodegradable mats made of straw and jute, straw-coconut, coconut fiber, or excelsior can be used instead of mulch. (See the ECM/TRM BMP for more information.)
- Some tackifiers or binders may be used to anchor mulch. Check with the local jurisdiction for allowed tackifiers. Manufacturer's recommendations should be followed at all times. (See the Soil Binder BMP for more information on general types of tackifiers.)
- Rock can also be used as mulch. It provides protection of exposed soils to wind and water erosion and allows infiltration of precipitation. An aggregate base course can be spread on disturbed areas for temporary or permanent stabilization. The rock mulch layer should be thick enough to provide full coverage of exposed soil on the area it is applied.

### Maintenance and Removal

After mulching, the bare ground surface should not be more than 10 percent exposed. Reapply mulch, as needed, to cover bare areas.



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| MARK | DESCRIPTION | DATE | APPR |
|---|---|---|---|
| | | | |

ISSUE DATE: **OCTOBER 14, 2025**
CONSULTANT'S PROJECT #: 240867-000
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:
DESIGN BY: NAR
D2C PROJECT NUMBER: 202420
DRAWN BY: CJR
CKD BY: KJB
SBMT BY: NAR
PLOT DATE: 2/17/2025 10:05:48 AM
PLOT SCALE:
SIZE: 22" X 34"
FILE NAME: 240867-000 C310 - EROSION CONTROL DETAILS.dwg

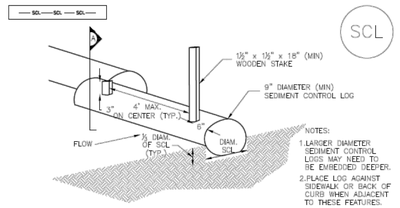
**DESIGN DEVELOPMENT**

NOT FOR CONSTRUCTION

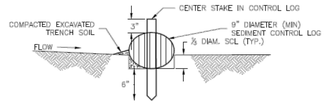
TOWN OF ERIE
ERIE PD - ADDITION & RENOVATION
1000 TELLEEN AVENUE, ERIE, COLORADO 80516
EROSION CONTROL DETAILS

**SHEET IDENTIFICATION**
C-310

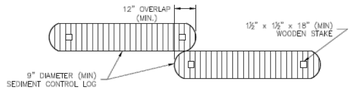
## Sediment Control Log (SCL) SC-2




TRENCHED SEDIMENT CONTROL LOG




SECTION Ⓐ
TRENCHED SEDIMENT CONTROL LOG

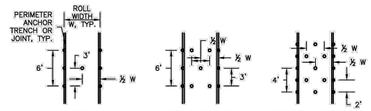



LOG JOINTS

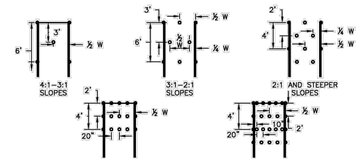
SCL-1. TRENCHED SEDIMENT CONTROL LOG



## Rolled Erosion Control Products (RECP) EC-6

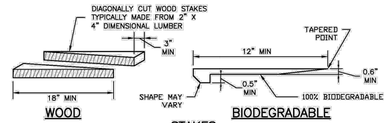



STAKING PATTERNS BY ECB TYPE




NOTE: IN ADDITION TO FLOW CONDITIONS, THE DESIGNER SHOULD CONSIDER THE PROPERTIES OF THE UNDERLYING SOIL. LESS COHESIVE SOILS MAY WARRANT A TIGHTER STAKING PATTERN.

STAKING PATTERNS BY SLOPE OR CHANNEL TYPE

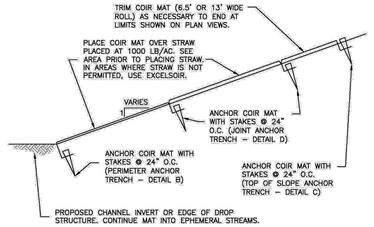



WOOD STAKES BIODEGRADABLE

NOTES
1. PLACE STAKES 18" O.C. TO 3' ABOVE WATER, THEN 24" O.C. TO UPPER LIMIT OF FABRIC OR AS RECOMMEND BY THE MANUFACTURER.
2. WHEN BLANKETING IS PLACED OVER RIPRAP, USE WOOD STAKES.








NOTE: USE WOODEN STAKES IN AREAS WHERE MAT IS PLACED OVER RIPRAP.

COIR MAT PLACEMENT DETAIL

EROSION CONTROL BLANKET MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.

2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.

3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE. REPEATED FAILURE WARRANTS THE NEED FOR REDESIGN OF THE EROSION CONTROL PROTECTION.

4. ECBs SHALL BE LEFT IN PLACE TO BIODEGRADE UNLESS REQUESTED TO BE REMOVED BY THE LOCAL JURISDICTION.

5. ANY ECB PULLED OUT, TORN, OR OTHERWISE DAMAGED SHALL BE REPAIRED OR REINSTALLED. ANY SUBGRADE AREAS BELOW THE GEOTEXTILE THAT HAVE ERODED TO CREATED A VOID UNDER THE BLANKET, OR THAT REMAIN DEVOID OF GRASS SHALL BE REPAIRED, RESEEDED AND MULCHED AND THE ECB REINSTALLED.

NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

(DETAILS ADAPTED FROM DOUGLAS COUNTY, COLORADO AND TOWN OF PARKER COLORADO. NOT AVAILABLE IN AUTOCAD)





EROSION CONTROL BLANKET INSTALLATION NOTES

1. SEE PLAN VIEW FOR:
   –LOCATION OF ECB.
   –TYPE OF ECB (STRAW, STRAW–COCONUT, COCONUT/ COIR, OR EXCELSIOR).
   –AREA, A, IN SQUARE YARDS OF EACH TYPE OF ECB.

2. ALL RECPs MUST BE 100% NATURAL AND BIODEGRADABLE MATERIALS.

3. IN AREAS WHERE ECBs ARE SHOWN ON THE PLANS, THE PERMITTEE SHALL PLACE TOPSOIL AND PERFORM FINAL GRADING, SURFACE PREPARATION, AND SEEDING AND MULCHING. SUBGRADE SHALL BE SMOOTH AND MOIST PRIOR TO ECB INSTALLATION AND THE ECB SHALL BE IN FULL CONTACT WITH SUBGRADE. NO GAPS OR VOIDS SHALL EXIST UNDER THE BLANKET.

4. FOR MATS THAT HAVE OPENINGS LARGER THAN THE SOIL, ADD STRAW UNDER (RATE OF 1000# PER ACRE) TO HOLD SOIL AND SEED FROM MIGRATING THROUGH OPENINGS.

5. INSTALL MATS AND BLANKETS PARALLEL TO THE DIRECTION OF STREAM FLOW.

6. PERIMETER ANCHOR TRENCH SHALL BE USED ALONG THE OUTSIDE PERIMETER OF ALL BLANKET AREAS.

7. JOINT ANCHOR TRENCH SHALL BE USED TO JOIN ROLLS OF ECBs TOGETHER (LONGITUDINALLY AND TRANSVERSELY) FOR ALL ECBs EXCEPT STRAW WHICH MAY USE AN OVERLAPPING JOINT.

8. INTERMEDIATE ANCHOR TRENCH SHALL BE USED AT SPACING OF ONE–HALF ROLL LENGTH FOR COCONUT AND EXCELSIOR ECBs.

9. OVERLAPPING JOINT DETAIL SHALL BE USED TO JOIN ROLLS OF ECBs TOGETHER FOR ECBs ON SLOPES AND WITHIN DRAINAGEWAYS. OVERLAP SEAMS SO THAT UPSTREAM RECPs IS ON TOP OF DOWNSTREAM RECPs SO THAT EXPOSED EDGE IS NOT LIFTED BY STREAM FLOWS.

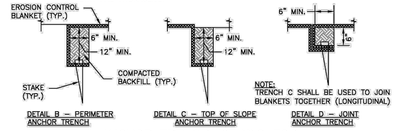
10. MATERIAL SPECIFICATIONS OF ECBs SHALL CONFORM TO TABLE ECB–1.

11. ALL EXPOSED ROOTS SHALL BE TRIMMED TO BELOW THE SOIL SURFACE. ECB/TRM SHALL NOT BE INSTALLED OVER ROCKS OR SOIL CLODS GREATER THAN 4 INCHES.

11. ANY AREAS OF SEEDING AND MULCHING DISTURBED IN THE PROCESS OF INSTALLING ECBS SHALL BE RESEEDED AND MULCHED.

12. DETAILS ON DESIGN PLANS FOR MAJOR DRAINAGEWAY STABILIZATION WILL GOVERN IF DIFFERENT FROM THOSE SHOWN HERE.

13. ADDITIONAL BANK PROTECTION AND/OR TOE REINFORCEMENT MAY BE NEEDED BASED ON CHANNEL GEOMETRY AND HYDRAULICS.




ANCHOR TRENCH DETAILS FOR EROSION CONTROL BLANKETS



## SC-2 Sediment Control Log (SCL)

SEDIMENT CONTROL LOG INSTALLATION NOTES

1. SEE PLAN VIEW FOR LOCATION AND LENGTH OF SEDIMENT CONTROL LOGS.

2. SEDIMENT CONTROL LOGS THAT ACT AS A PERIMETER CONTROL SHALL BE INSTALLED PRIOR TO ANY UPGRADIENT LAND–DISTURBING ACTIVITIES.

3. SEDIMENT CONTROL LOGS SHALL CONSIST OF STRAW, COMPOST, EXCELSIOR OR COCONUT FIBER, AND SHALL BE FREE OF ANY NOXIOUS WEED SEEDS OR DEFECTS INCLUDING RIPS, HOLES AND OBVIOUS WEAR.

4. SEDIMENT CONTROL LOGS MAY BE USED AS SMALL CHECK DAMS IN DITCHES AND SWALES. HOWEVER, THEY SHOULD NOT BE USED IN PERENNIAL STREAMS.

5. IT IS RECOMMENDED THAT SEDIMENT CONTROL LOGS BE TRENCHED INTO THE GROUND TO A DEPTH OF APPROXIMATELY ⅓ OF THE DIAMETER OF THE LOG. IF TRENCHING TO THIS DEPTH IS NOT FEASIBLE AND/OR DESIRABLE (SHORT TERM INSTALLATION WITH DESIRE NOT TO DAMAGE LANDSCAPE) A LESSER TRENCHING DEPTH MAY BE ACCEPTABLE WITH MORE ROBUST STAKING. COMPOST LOGS THAT ARE 8 LB/FT DO NOT NEED TO BE TRENCHED.

6. THE UPHILL SIDE OF THE SEDIMENT CONTROL LOG SHALL BE BACKFILLED WITH SOIL OR FILTER MATERIAL THAT IS FREE OF ROCKS AND DEBRIS. THE SOIL SHALL BE TIGHTLY COMPACTED INTO THE SHAPE OF A RIGHT TRIANGLE USING A SHOVEL OR WEIGHTED LAWN ROLLER OR BLOWN IN PLACE.

7. FOLLOW MANUFACTURERS' GUIDANCE FOR STAKING. IF MANUFACTURERS' INSTRUCTIONS DO NOT SPECIFY SPACING, STAKES SHALL BE PLACED ON 4' CENTERS AND EMBEDDED A MINIMUM OF 6" INTO THE GROUND. 3" OF THE STAKE SHALL PROTRUDE FROM THE TOP OF THE LOG. STAKES THAT ARE BROKEN PRIOR TO INSTALLATION SHALL BE REPLACED. COMPOST LOGS SHOULD BE STAKED 10' ON CENTER.

SEDIMENT CONTROL LOG MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.

2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.

3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.

4. SEDIMENT ACCUMULATED UPSTREAM OF SEDIMENT CONTROL LOG SHALL BE REMOVED AS NEEDED TO MAINTAIN FUNCTIONALITY OF THE BMP. TYPICALLY WHEN DEPTH OF ACCUMULATED SEDIMENTS IS APPROXIMATELY ½ OF THE HEIGHT OF THE SEDIMENT CONTROL LOG.

5. SEDIMENT CONTROL LOG SHALL BE REMOVED AT THE END OF CONSTRUCTION.COMPOST FROM COMPOST LOGS MAY BE LEFT IN PLACE AS LONG AS BAGS ARE REMOVED AND THE AREA SEEDED. IF DISTURBED AREAS EXIST AFTER REMOVAL, THEY SHALL BE COVERED WITH TOP SOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE LOCAL JURISDICTION.

(DETAILS ADAPTED FROM TOWN OF PARKER, COLORADO, JEFFERSON COUNTY, COLORADO, DOUGLAS COUNTY, COLORADO, AND CITY OF AURORA, COLORADO, NOT AVAILABLE IN AUTOCAD)

NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.



## Temporary and Permanent Seeding (TS/PS) EC-2

### Description

Temporary seeding can be used to stabilize disturbed areas that will be inactive for an extended period. Permanent seeding should be used to stabilize areas at final grade that will not be otherwise stabilized. Effective seeding includes preparation of a seedbed, selection of an appropriate seed mixture, proper planting techniques, and protection of the seeded area with mulch, geotextiles, or other appropriate measures.

**Photograph TS/PS -1.** Equipment used to drill seed. Photo courtesy of Douglas County.

### Appropriate Uses

When the soil surface is disturbed and will remain inactive for an extended period (typically 30 days or longer), proactive stabilization measures should be implemented. If the inactive period is short-lived (on the order of two weeks), techniques such as surface roughening may be appropriate. For longer periods of inactivity, temporary seeding and mulching can provide effective erosion control. Permanent seeding should be used on finished areas that have not been otherwise stabilized.

Typically, local governments have their own seed mixes and timelines for seeding. Check jurisdictional requirements for seeding and temporary stabilization.

### Design and Installation

Effective seeding requires proper seedbed preparation, selection of an appropriate seed mixture, use of appropriate seeding equipment to ensure proper coverage and density, and protection with mulch or fabric until plants are established.

The USDCM Volume 2 *Revegetation* Chapter contains detailed seed mix, soil preparations, and seeding and mulching recommendations that may be referenced to supplement this Fact Sheet.

Drill seeding is the preferred seeding method. Hydroseeding is not recommended except in areas where steep slopes prevent use of drill seeding equipment, and even in these instances it is preferable to hand seed and mulch. Some jurisdictions do not allow hydroseeding or hydromulching.

#### Seedbed Preparation

Prior to seeding, ensure that areas to be revegetated have soil conditions capable of supporting vegetation. Overlot grading can result in loss of topsoil, resulting in poor quality subsoils at the ground surface that have low nutrient value, little organic matter content, few soil microorganisms, rooting restrictions, and conditions less conducive to infiltration of precipitation. As a result, it is typically necessary to provide stockpiled topsoil, compost, or other

| Temporary and Permanent Seeding | |
|---|---|
| **Functions** | |
| Erosion Control | Yes |
| Sediment Control | No |
| Site/Material Management | No |





soil amendments and rototill them into the soil to a depth of 6 inches or more.

Topsoil should be salvaged during grading operations for use and spread on areas to be revegetated later. Topsoil should be viewed as an important resource to be utilized for vegetation establishment, due to its water-holding capacity, structure, texture, organic matter content, biological activity, and nutrient content. The rooting depth of most native grasses in the semi-arid Denver metropolitan area is 6 to 18 inches. At a minimum, the upper 6 inches of topsoil should be stripped, stockpiled, and ultimately respread across areas that will be revegetated.

Where topsoil is not available, subsoils should be amended to provide an appropriate plant-growth medium. Organic matter, such as well digested compost, can be added to improve soil characteristics conducive to plant growth. Other treatments can be used to adjust soil pH conditions when needed. Soil testing, which is typically inexpensive, should be completed to determine and optimize the types and amounts of amendments that are required.

If the disturbed ground surface is compacted, rip or rototill the surface prior to placing topsoil. If adding compost to the existing soil surface, rototilling is necessary. Surface roughening will assist in placement of a stable topsoil layer on steeper slopes, and allow infiltration and root penetration to greater depth.

Prior to seeding, the soil surface should be rough and the seedbed should be firm, but neither too loose nor compacted. The upper layer of soil should be in a condition suitable for seeding at the proper depth and conducive to plant growth. Seed-to-soil contact is the key to good germination.

#### Seed Mix for Temporary Vegetation

To provide temporary vegetative cover on disturbed areas which will not be paved, built upon, or fully landscaped or worked for an extended period (typically 30 days or more), plant an annual grass appropriate for the time of planting and mulch the planted areas. Annual grasses suitable for the Denver metropolitan area are listed in Table TS/PS-1. These are to be considered only as general recommendations when specific design guidance for a particular site is not available. Local governments typically specify seed mixes appropriate for their jurisdiction.

#### Seed Mix for Permanent Revegetation

To provide vegetative cover on disturbed areas that have reached final grade, a perennial grass mix should be established. Permanent seeding should be performed promptly (typically within 14 days) after reaching final grade. Each site will have different characteristics and a landscape professional or the local jurisdiction should be contacted to determine the most suitable seed mix for a specific site. In lieu of a specific recommendation, one of the perennial grass mixes appropriate for site conditions and growth season listed in Table TS/PS-2 can be used. The pure live seed (PLS) rates of application recommended in these tables are considered to be absolute minimum rates for seed applied using proper drill-seeding equipment.

If desired for wildlife habitat or landscape diversity, shrubs such as rubber rabbitbrush (*Chrysothamnus nauseosus*), fourwing saltbush (*Atriplex canescens*) and skunkbrush sumac (*Rhus trilobata*) could be added to the upland seedmixes at 0.25, 0.5 and 1 pound PLS/acre, respectively. In riparian zones, planting root stock of such species as American plum (*Prunus americana*), woods rose (*Rosa woodsii*), plains cottonwood (*Populus sargentii*), and willow (*Populus spp.*) may be considered. On non-topsoiled upland sites, a legume such as Ladak alfalfa at 1 pound PLS/acre can be included as a source of nitrogen for perennial grasses.



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| MARK | DESCRIPTION | DATE | APPR |
|---|---|---|---|
| | | | |

DESIGN BY: NAR
D2C PROJECT NUMBER 202420
DRAWN BY: CJR
SBMT BY: NAR
PLOT SCALE
ISSUE DATE: **OCTOBER 14, 2025**
CONSULTANTS PROJECT # 240667-000
CKD BY: KJB
PLOT DATE: 2/17/2025 10:05:48 AM
SIZE: 22" X 34"
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:
FILE NAME: 240667-000-C311 - EROSION CONTROL DETAILS.dwg

**DESIGN DEVELOPMENT**

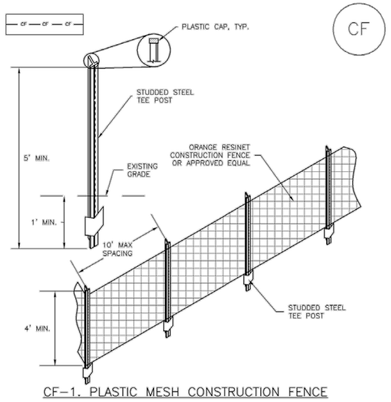
NOT FOR CONSTRUCTION

TOWN OF ERIE
ERIE PD - ADDITION & RENOVATION
1000 TELLEEN AVENUE, ERIE, COLORADO 80516

EROSION CONTROL DETAILS

**SHEET IDENTIFICATION**
C-311

## SM-3 Construction Fence (CF)




CF–1. PLASTIC MESH CONSTRUCTION FENCE

CONSTRUCTION FENCE INSTALLATION NOTES

1. SEE PLAN VIEW FOR:
   –LOCATION OF CONSTRUCTION FENCE.

2. CONSTRUCTION FENCE SHOWN SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES.

3. CONSTRUCTION FENCE SHALL BE COMPOSED OF ORANGE, CONTRACTOR–GRADE MATERIAL THAT IS AT LEAST 4' HIGH. METAL POSTS SHOULD HAVE A PLASTIC CAP FOR SAFETY.

4. STUDDED STEEL TEE POSTS SHALL BE UTILIZED TO SUPPORT THE CONSTRUCTION FENCE. MAXIMUM SPACING FOR STEEL TEE POSTS SHALL BE 10'.

5. CONSTRUCTION FENCE SHALL BE SECURELY FASTENED TO THE TOP, MIDDLE, AND BOTTOM OF EACH POST.



## Construction Fence (CF) SM-3

CONSTRUCTION FENCE MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.

2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.

3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.

4. CONSTRUCTION FENCE SHALL BE REPAIRED OR REPLACED WHEN THERE ARE SIGNS OF DAMAGE SUCH AS RIPS OR SAGS. CONSTRUCTION FENCE IS TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND APPROVED BY THE LOCAL JURISDICTION.

5. WHEN CONSTRUCTION FENCES ARE REMOVED, ALL DISTURBED AREAS ASSOCIATED WITH THE INSTALLATION, MAINTENANCE, AND/OR REMOVAL OF THE FENCE SHALL BE COVERED WITH TOPSOIL, SEEDED AND MULCHED, OR OTHERWISE STABILIZED AS APPROVED BY LOCAL JURISDICTION.

NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

(DETAIL ADAPTED FROM TOWN OF PARKER, COLORADO, NOT AVAILABLE IN AUTOCAD)



## Good Housekeeping Practices (GH) MM-3

### Description

Implement construction site good housekeeping practices to prevent pollution associated with solid, liquid and hazardous construction-related materials and wastes. Stormwater Management Plans (SWMPs) should clearly specify BMPs including these good housekeeping practices:

- Provide for waste management.
- Establish proper building material staging areas.
- Designate paint and concrete washout areas.
- Establish proper equipment/vehicle fueling and maintenance practices.
- Control equipment/vehicle washing and allowable non-stormwater discharges.
- Develop a spill prevention and response plan.

**Acknowledgement: This Fact Sheet is based directly on EPA guidance provided in *Developing Your Stormwater Pollution Prevent Plan* (EPA 2007).**

**Photographs GH-1 and GH-2.** Proper materials storage and secondary containment for fuel tanks are important good housekeeping practices. Photos courtesy of CDOT and City of Aurora.

### Appropriate Uses

Good housekeeping practices are necessary at all construction sites.

### Design and Installation

The following principles and actions should be addressed in SWMPs:

- **Provide for Waste Management.** Implement management procedures and practices to prevent or reduce the exposure and transport of pollutants in stormwater from solid, liquid and sanitary wastes that will be generated at the site. Practices such as trash disposal, recycling, proper material handling, and cleanup measures can reduce the potential for stormwater runoff to pick up construction site wastes and discharge them to surface waters. Implement a comprehensive set of waste-management practices for hazardous or toxic materials, such as paints, solvents, petroleum products, pesticides, wood preservatives, acids, roofing tar, and other materials. Practices should include storage, handling, inventory, and cleanup procedures, in case of spills. Specific practices that should be considered include:

**Solid or Construction Waste**

- Designate trash and bulk waste-collection areas on-site.

| Good Housekeeping | |
|---|---|
| **Functions** | |
| Erosion Control | No |
| Sediment Control | No |
| Site/Material Management | Yes |



## MM-3 Good Housekeeping Practices (GH)

**Spill Prevention, Control, and Countermeasure (SPCC) Plan**

Construction sites may be subject to 40 CFR Part 112 regulations that require the preparation and implementation of a SPCC Plan to prevent oil spills from aboveground and underground storage tanks. The facility is subject to this rule if it is a non-transportation-related facility that:

- Has a total storage capacity greater than 1,320 gallons or a completely buried storage capacity greater than 42,000 gallons.
- Could reasonably be expected to discharge oil in quantities that may be harmful to navigable waters of the United States and adjoining shorelines.

Furthermore, if the facility is subject to 40 CFR Part 112, the SWMP should reference the SPCC Plan. To find out more about SPCC Plans, see EPA's website on SPPC at www.epa.gov/oilspill/spcc.htm.

**Reporting Oil Spills**

In the event of an oil spill, contact the National Response Center toll free at 1-800-424- 8802 for assistance, or for more details, visit their website: www.nrc.uscg.mil.

### Maintenance and Removal

Effective implementation of good housekeeping practices is dependent on clear designation of personnel responsible for supervising and implementing good housekeeping programs, such as site cleanup and disposal of trash and debris, hazardous material management and disposal, vehicle and equipment maintenance, and other practices. Emergency response "drills" may aid in emergency preparedness.

Checklists may be helpful in good housekeeping efforts.

Staging and storage areas require permanent stabilization when the areas are no longer being used for construction-related activities.

Construction-related materials, debris and waste must be removed from the construction site once construction is complete.

### Design Details

See the following Fact Sheets for related Design Details:

MM-1 Concrete Washout Area

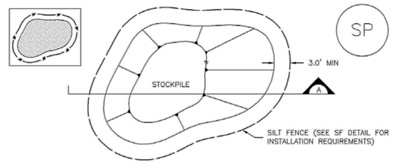
MM-2 Stockpile Management

SM-4 Vehicle Tracking Control

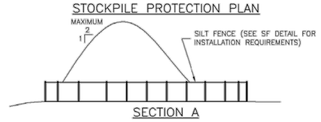
Design details are not necessary for other good housekeeping practices; however, be sure to designate where specific practices will occur on the appropriate construction drawings.



## Stockpile Management (SP) MM-2




STOCKPILE PROTECTION PLAN




SECTION A

SP–1. STOCKPILE PROTECTION

STOCKPILE PROTECTION INSTALLATION NOTES

1. SEE PLAN VIEW FOR:
   –LOCATION OF STOCKPILES.
   –TYPE OF STOCKPILE PROTECTION.

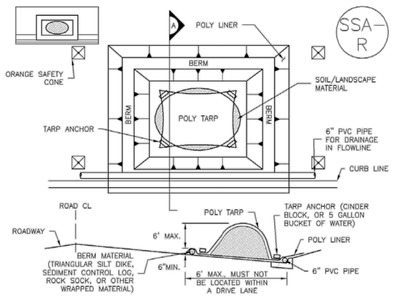
2. INSTALL PERIMETER CONTROLS IN ACCORDANCE WITH THEIR RESPECTIVE DESIGN DETAILS. SILT FENCE IS SHOWN IN THE STOCKPILE PROTECTION DETAILS; HOWEVER, OTHER TYPES OF PERIMETER CONTROLS INCLUDING SEDIMENT CONTROL LOGS OR ROCK SOCKS MAY BE SUITABLE IN SOME CIRCUMSTANCES. CONSIDERATIONS FOR DETERMINING THE APPROPRIATE TYPE OF PERIMETER CONTROL FOR A STOCKPILE INCLUDE WHETHER THE STOCKPILE IS LOCATED ON A PERVIOUS OR IMPERVIOUS SURFACE, THE RELATIVE HEIGHTS OF THE PERIMETER CONTROL AND STOCKPILE, THE ABILITY OF THE PERIMETER CONTROL TO CONTAIN THE STOCKPILE WITHOUT FAILING IN THE EVENT THAT MATERIAL FROM THE STOCKPILE SHIFTS OR SLUMPS AGAINST THE PERIMETER, AND OTHER FACTORS.

3. STABILIZE THE STOCKPILE SURFACE WITH SURFACE ROUGHENING, TEMPORARY SEEDING AND MULCHING, EROSION CONTROL BLANKETS, OR SOIL BINDERS. SOILS STOCKPILED FOR AN EXTENDED PERIOD (TYPICALLY FOR MORE THAN 60 DAYS) SHOULD BE SEEDED AND MULCHED WITH A TEMPORARY GRASS COVER ONCE THE STOCKPILE IS PLACED (TYPICALLY WITHIN 14 DAYS). USE OF MULCH ONLY OR A SOIL BINDER IS ACCEPTABLE IF THE STOCKPILE WILL BE IN PLACE FOR A MORE LIMITED TIME PERIOD (TYPICALLY 30–60 DAYS).

4. FOR TEMPORARY STOCKPILES ON THE INTERIOR PORTION OF A CONSTRUCTION SITE, WHERE OTHER DOWNGRADIENT CONTROLS, INCLUDING PERIMETER CONTROL, ARE IN PLACE, STOCKPILE PERIMETER CONTROLS MAY NOT BE REQUIRED.



## Stockpile Management (SP) MM-2




SP–2. MATERIALS STAGING IN ROADWAY

MATERIALS STAGING IN ROADWAYS INSTALLATION NOTES

1. SEE PLAN VIEW FOR
   –LOCATION OF MATERIAL STAGING AREA(S).
   –CONTRACTOR MAY ADJUST LOCATION AND SIZE OF STAGING AREA WITH APPROVAL FROM THE LOCAL JURISDICTION.

2. FEATURE MUST BE INSTALLED PRIOR TO EXCAVATION, EARTHWORK OR DELIVERY OF MATERIALS.

3. MATERIALS MUST BE STATIONED ON THE POLY LINER. ANY INCIDENTAL MATERIALS DEPOSITED ON PAVED SECTION OR ALONG CURB LINE MUST BE CLEANED UP PROMPTLY.

4. POLY LINER AND TARP COVER SHOULD BE OF SIGNIFICANT THICKNESS TO PREVENT DAMAGE OR LOSS OF INTEGRITY.

5. SAND BAGS MAY BE SUBSTITUTED TO ANCHOR THE COVER TARP OR PROVIDE BERMING UNDER THE BASE LINER.

6. FEATURE IS NOT INTENDED FOR USE WITH WET MATERIAL THAT WILL BE DRAINING AND/OR SPREADING OUT ON THE POLY LINER OR FOR DEMOLITION MATERIALS.

7. THIS FEATURE CAN BE USED FOR:
   –UTILITY REPAIRS.
   –WHEN OTHER STAGING LOCATIONS AND OPTIONS ARE LIMITED.
   –OTHER LIMITED APPLICATION AND SHORT DURATION STAGING.



## MM-2 Stockpile Management (SM)

STOCKPILE PROTECTION MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.

2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.

3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.

STOCKPILE PROTECTION MAINTENANCE NOTES

4. IF PERIMETER PROTECTION MUST BE MOVED TO ACCESS SOIL STOCKPILE, REPLACE PERIMETER CONTROLS BY THE END OF THE WORKDAY.

5. STOCKPILE PERIMETER CONTROLS CAN BE REMOVED ONCE ALL THE MATERIAL FROM THE STOCKPILE HAS BEEN USED.

(DETAILS ADAPTED FROM PARKER, COLORADO, NOT AVAILABLE IN AUTOCAD)

NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.



## MM-2 Stockpile Management (SM)

MATERIALS STAGING IN ROADWAY MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.

2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.

3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.

4. INSPECT PVC PIPE ALONG CURB LINE FOR CLOGGING AND DEBRIS. REMOVE OBSTRUCTIONS PROMPTLY.

5. CLEAN MATERIAL FROM PAVED SURFACES BY SWEEPING OR VACUUMING.

NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

(DETAILS ADAPTED FROM AURORA, COLORADO)



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| MARK | DESCRIPTION | DATE | APPR. |
|---|---|---|---|

ISSUE DATE: **OCTOBER 14, 2025**
CONSULTANT'S PROJECT #: 240867-3000
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:
DESIGN BY: NAR
D2C PROJECT NUMBER: 202420
DRAWN BY: CJR
CKD BY: KJB
SBMT BY: NAR
PLOT DATE: 2/17/2025 10:05:48 AM
PLOT SCALE:
SIZE: 22" x 34"
FILE NAME: 240867-3000-C312 - EROSION CONTROL DETAILS.dwg

***DESIGN DEVELOPMENT***

NOT FOR CONSTRUCTION

TOWN OF ERIE
ERIE PD - ADDITION & RENOVATION
1000 TELLEEN AVENUE, ERIE, COLORADO 80516

EROSION CONTROL DETAILS

**SHEET IDENTIFICATION**
C-312

**NOTE:**

CONTRACTOR SHALL PERFORM SITE SPECIFIC HYDRANT FLOW TEST PRIOR TO DEMOLITION OF AND CONNECTION TO EXISTING WATERLINE. HYDRANT TEST DATA SHALL BE RETURNED TO PROJECT CIVIL ENGINEER FOR VERIFICATION WITH CALCULATIONS PRESENTED IN PROJECTS UTILITY CONFORMANCE LETTER.

CREEKSIDE TOWNHOMES

LEGEND

- W — W — PROPOSED WATERLINE
- SS — SS — PROPOSED SANITARY LINE
- G — G — PROPOSED GAS LINE
- COMM — PROPOSED TELECOM LINE
- SD — SD — PROPOSED STORM DRAIN
- UE — UE — PROPOSED UNDERGROUND ELECTRIC LINE

0 30' 60'

TELLEEN AVE

COUNTY LINE RD

20' UTILITY EASEMENT

CONNECTION TO EXISTING SANITARY MANHOLE

PROPOSED CURB INLET

PROPOSED HAND HOLE (REF. TECHNOLOGY)

PROPOSED TELECOM LINE TO BLDG (REF. TECHNOLOGY)

EXISTING OUTLET STRUCTURE TO BE RECONSTRUCTED WITH MICROPOOL SEE DETAIL, SHEET C-416

15' SANITARY SEWER EASEMENT

PROPOSED 8" WATERLINE (TYP.)

PROPOSED SANITARY MANHOLE (TYP.)

PROPOSED AREA INLET

PROPOSED 4' MANHOLE (TYP.)

EX. FDC LOCATION

PROPOSED FIRE HYDRANT ASSEMBLY

PROPOSED 8" SANITARY LINE (TYP.)

PROPOSED SAND OIL INTERCEPTOY (TYP.)

SANITARY SEWER CONNECTION TO BUILDING. REF. MECHANICAL

EXISTING DETENTION POND

50' GAS LINE EASEMENT

DRAINAGE EASEMENT

30' LANDSCAPE EASEMENT

DOMESTIC WATER CONNECTION TO BUILDING. REF. MECHANICAL

FIRE WATER CONNECTION TO BUILDING. REF. MECHANICAL

EX. FIRE HYDRANT ASSEMBLY TO BE REMOVED & REPLACED

PROPOSED 6" FIRE LINE

PROPOSED 3" METER INSIDE VAULT

PROPOSED FLARED END SECTION & RIPRAP

PROPOSED 4' MANHOLE (TYP.)

PROPOSED CURB INLET

30' LANDSCAPE EASEMENT

PROPOSED TRANSFORMER

PROPOSED BACKUP GENERATOR


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FILE NAME: 240867-000 C401 - OVERALL UTILITY PLAN.dwg

***DESIGN DEVELOPMENT***

NOT FOR CONSTRUCTION

TOWN OF ERIE
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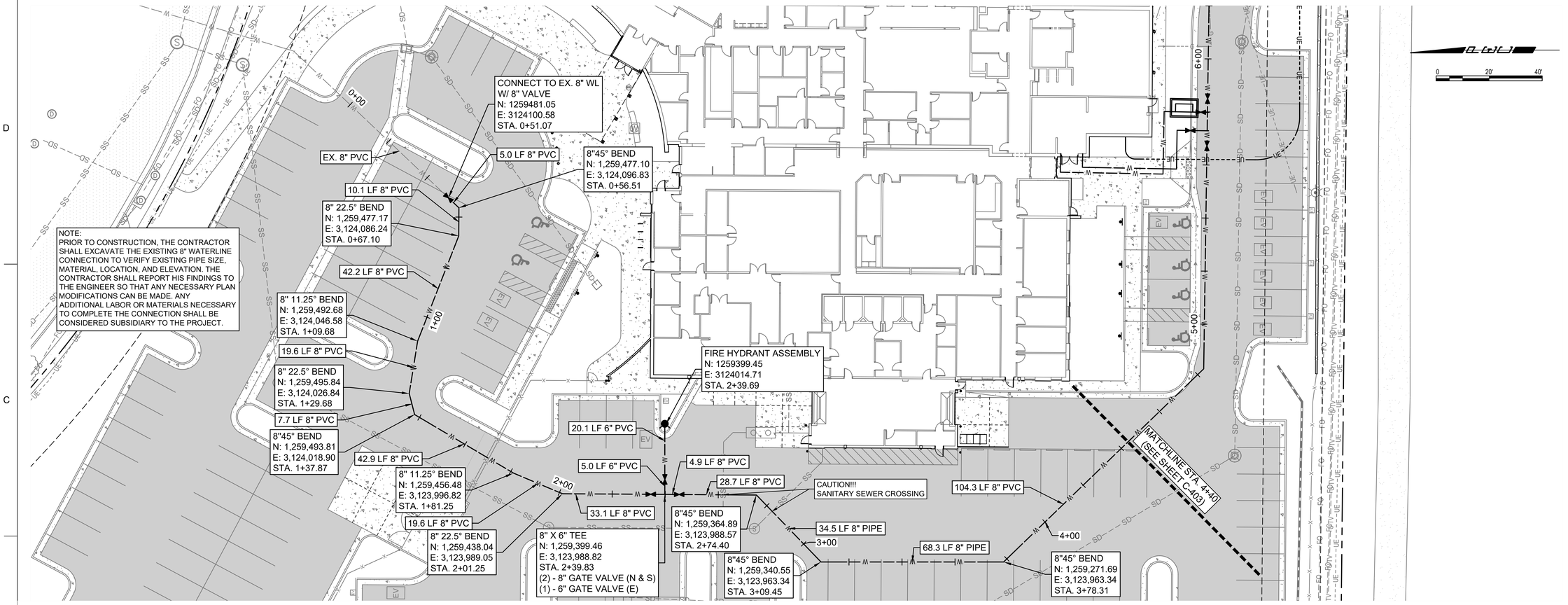
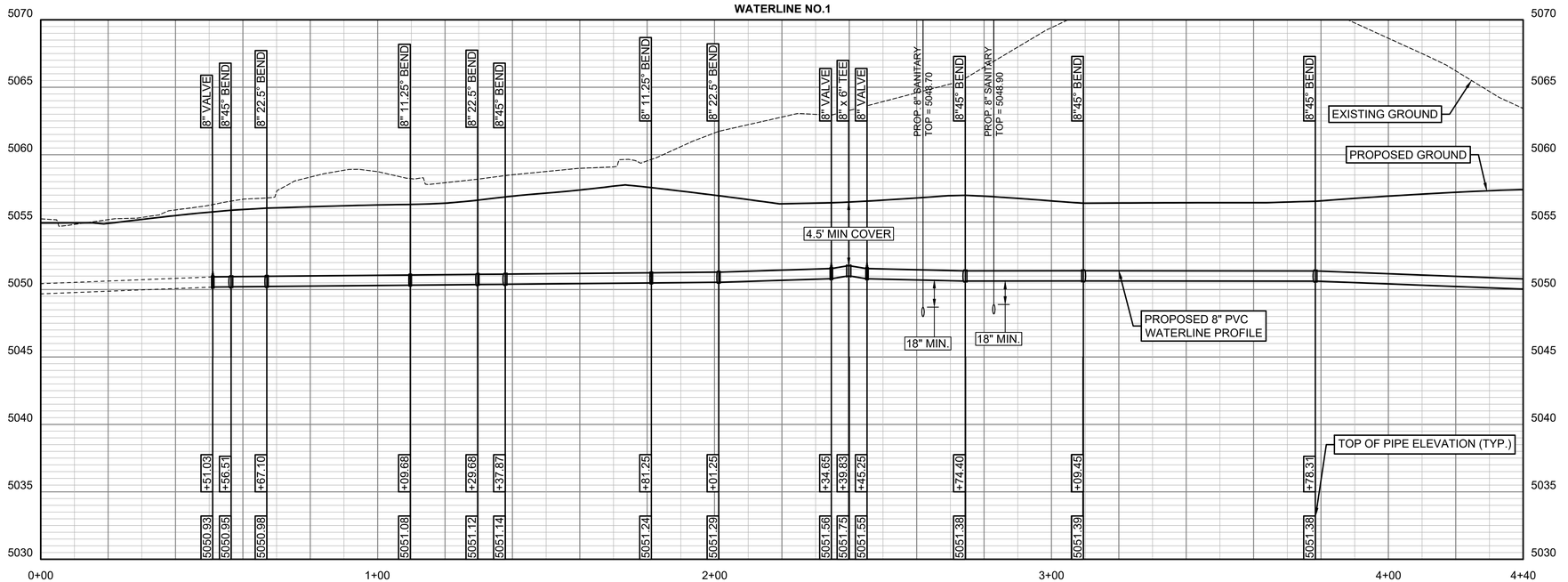
1000 TELLEEN AVENUE, ERIE, COLORADO 80516

## OVERALL UTILITY PLAN

**SHEET IDENTIFICATION**
C-401




LEGEND

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- SS — SS — PROPOSED SANITARY LINE
- G — G — PROPOSED GAS LINE
- COMM — PROPOSED TELECOM LINE
- SD — SD — PROPOSED STORM DRAIN
- UE — UE — PROPOSED UNDERGROUND ELECTRIC LINE

NOTE:

1. ALL BENDS GREATER THAN 11.25° AND 6" Ø PIPE OR LARGER SHALL USE THRUST BLOCKING, REFERENCE DETAIL SHEET C-410.
2. ALL WATERLINES 6" AND GREATER SHALL BE PVC C900 DR 18 WITH DUCTILE IRON FITTINGS.
3. ALL TAPS OFF WATERMAIN SHALL BE SPACED A MIN. 5' FROM OTHER TAPS TO PRESERVE INTEGRITY OF WATERMAIN.

PROFILE SCALE:
HORIZ.: 1"=20'
VERT.: 1"=5'
0
5'

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| MARK | DESCRIPTION | DATE | APPR. |
|---|---|---|---|

ISSUE DATE: OCTOBER 14, 2025
CONSULTANT'S PROJECT #: 240667-A000
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:
DESIGN BY: NAR
D2C PROJECT NUMBER: 202420
DRAWN BY: CJR
CKD BY: KJB
SBMT BY: NAR
PLOT DATE: 2/17/2025
PLOT SCALE: 10:05:48 AM
SIZE: 22" x 34"
FILE NAME: P:\EPD\000\CAD\C-402 - WATERLINE PLAN & PROFILE.dwg

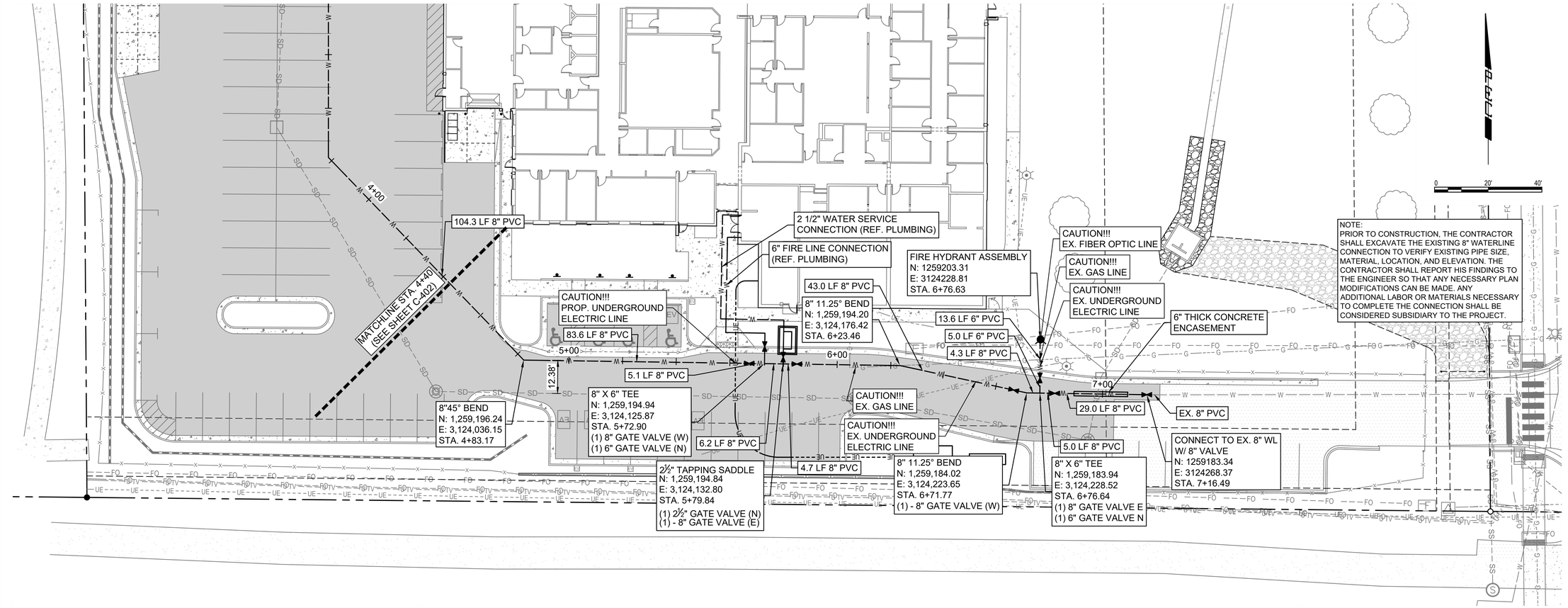
**DESIGN DEVELOPMENT**

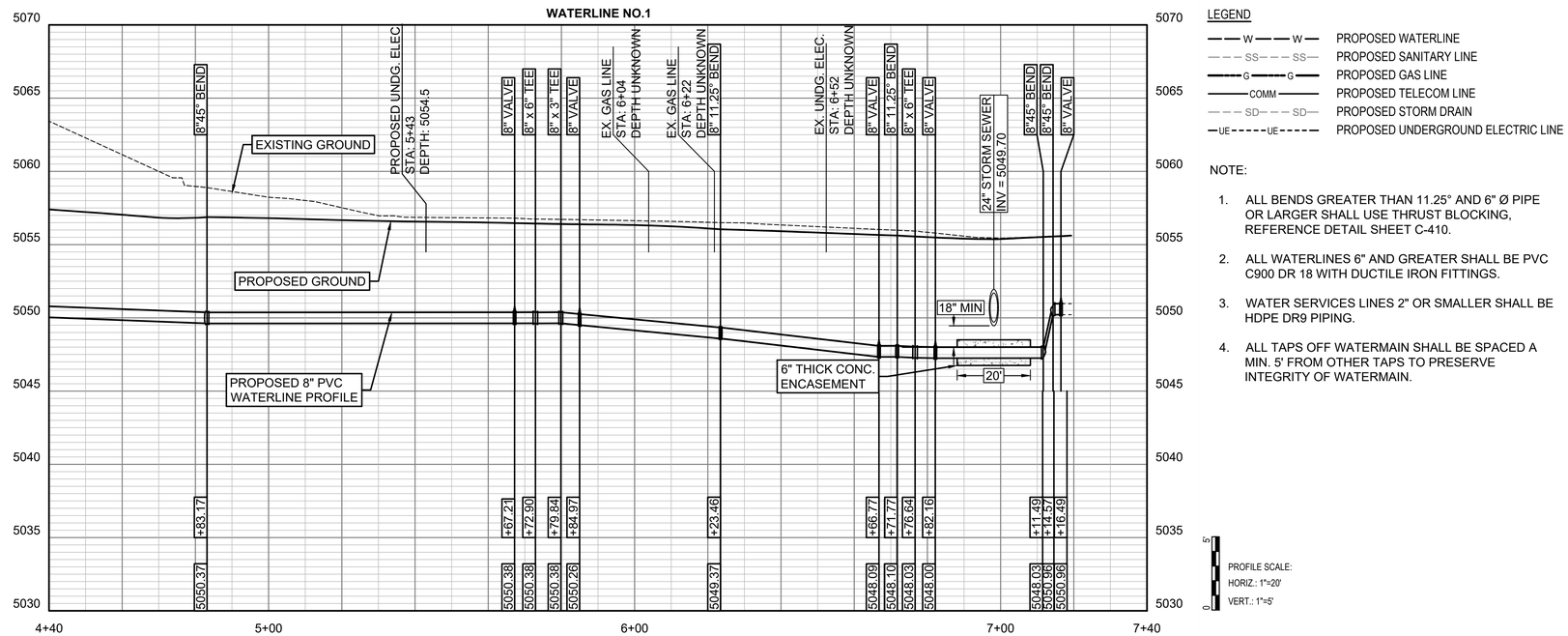
NOT FOR CONSTRUCTION

TOWN OF ERIE
# ERIE PD - ADDITION & RENOVATION
1000 TELLEEN AVENUE, ERIE, COLORADO 80516

## WATERLINE PLAN & PROFILE

**SHEET IDENTIFICATION**
C-402




LEGEND

- PROPOSED WATERLINE
- PROPOSED SANITARY LINE
- PROPOSED GAS LINE
- PROPOSED TELECOM LINE
- PROPOSED STORM DRAIN
- PROPOSED UNDERGROUND ELECTRIC LINE

NOTE:

1. ALL BENDS GREATER THAN 11.25° AND 6" Ø PIPE OR LARGER SHALL USE THRUST BLOCKING, REFERENCE DETAIL SHEET C-410.
2. ALL WATERLINES 6" AND GREATER SHALL BE PVC C900 DR 18 WITH DUCTILE IRON FITTINGS.
3. WATER SERVICES LINES 2" OR SMALLER SHALL BE HDPE DR9 PIPING.
4. ALL TAPS OFF WATERMAIN SHALL BE SPACED A MIN. 5' FROM OTHER TAPS TO PRESERVE INTEGRITY OF WATERMAIN.

PROFILE SCALE:
HORIZ.: 1"=20'
VERT.: 1"=5'

D2C ARCHITECTS

PEC
PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
351 LINDEN ST, STE 100
FORT COLLINS, CO 80524
970-232-9558 www.pec1.com

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| MARK | DESCRIPTION | DATE | APPR |
|---|---|---|---|

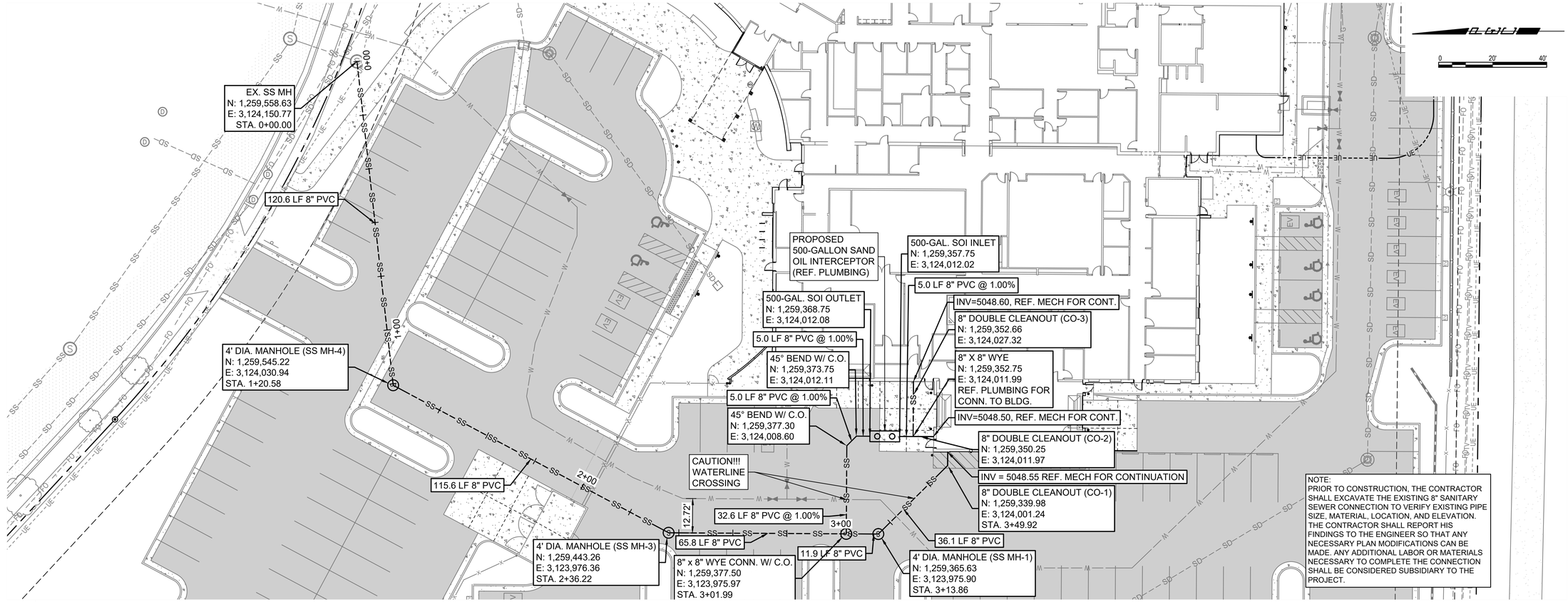
ISSUE DATE: OCTOBER 14, 2025
CONSULTANT'S PROJECT # 240667-000
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:
DESIGN BY: NAR
D2C PROJECT NUMBER 202420
DRAWN BY: CJR
CKD BY: KJB
SBMT BY: NAR
PLOT DATE: 2/17/2025 10:05:48 AM
PLOT SCALE:
FILE NAME: 240667-000 - WATERLINE PLAN & PROFILE.dwg
SIZE: 22" x 34"

**DESIGN DEVELOPMENT**

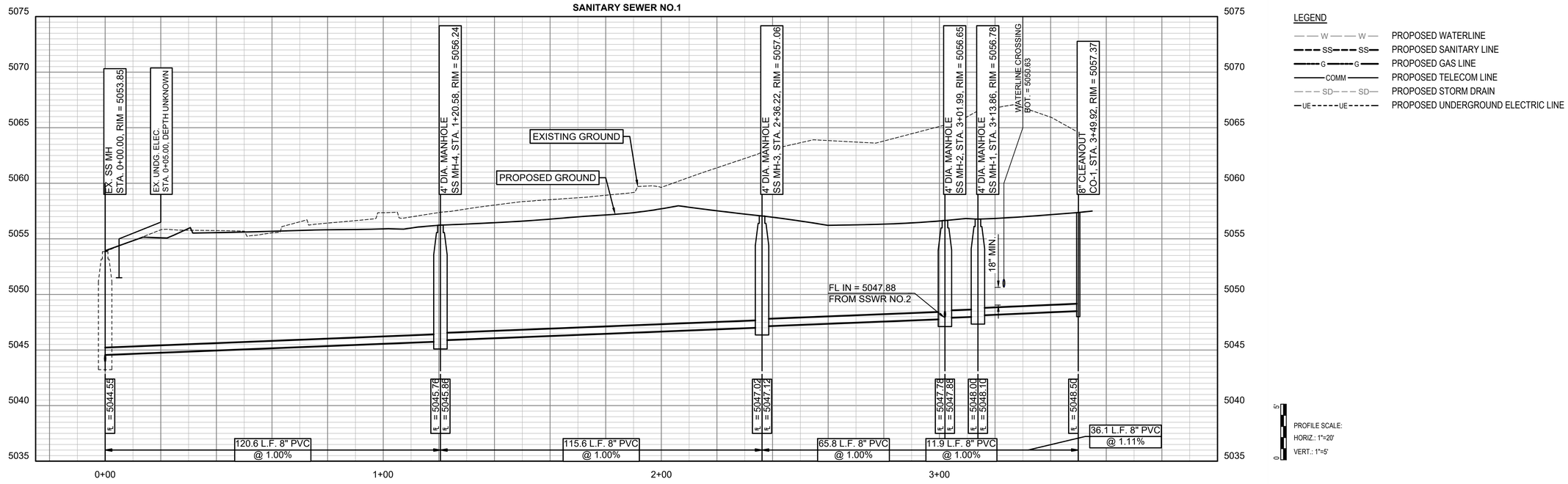
NOT FOR CONSTRUCTION

TOWN OF ERIE
ERIE PD - ADDITION & RENOVATION
1000 TELLEEN AVENUE, ERIE, COLORADO 80516
WATERLINE PLAN & PROFILE

**SHEET IDENTIFICATION**
C-403




NOTE:
PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE THE EXISTING 8" SANITARY SEWER CONNECTION TO VERIFY EXISTING PIPE SIZE, MATERIAL, LOCATION, AND ELEVATION. THE CONTRACTOR SHALL REPORT HIS FINDINGS TO THE ENGINEER SO THAT ANY NECESSARY PLAN MODIFICATIONS CAN BE MADE. ANY ADDITIONAL LABOR OR MATERIALS NECESSARY TO COMPLETE THE CONNECTION SHALL BE CONSIDERED SUBSIDIARY TO THE PROJECT.




LEGEND

- PROPOSED WATERLINE
- PROPOSED SANITARY LINE
- PROPOSED GAS LINE
- PROPOSED TELECOM LINE
- PROPOSED STORM DRAIN
- PROPOSED UNDERGROUND ELECTRIC LINE

PROFILE SCALE:
HORIZ.: 1"=20'
VERT.: 1"=5'
0
5'

D2C ARCHITECTS

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| MARK | DESCRIPTION | DATE | APPR |
|---|---|---|---|

ISSUE DATE: OCTOBER 14, 2025
CONSULTANT'S PROJECT #: 240667-000
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:
DESIGN BY: NAR
D2C PROJECT NUMBER: 202420
DRAWN BY: CJR
CKD BY: KJB
SBMT BY: NAR
PLOT DATE: 2/17/2025 10:05:48 AM
PLOT SCALE:
SIZE: 22" X 34"
FILE NAME: 240667-000-C404 - SANITARY PLAN & PROFILE.dwg

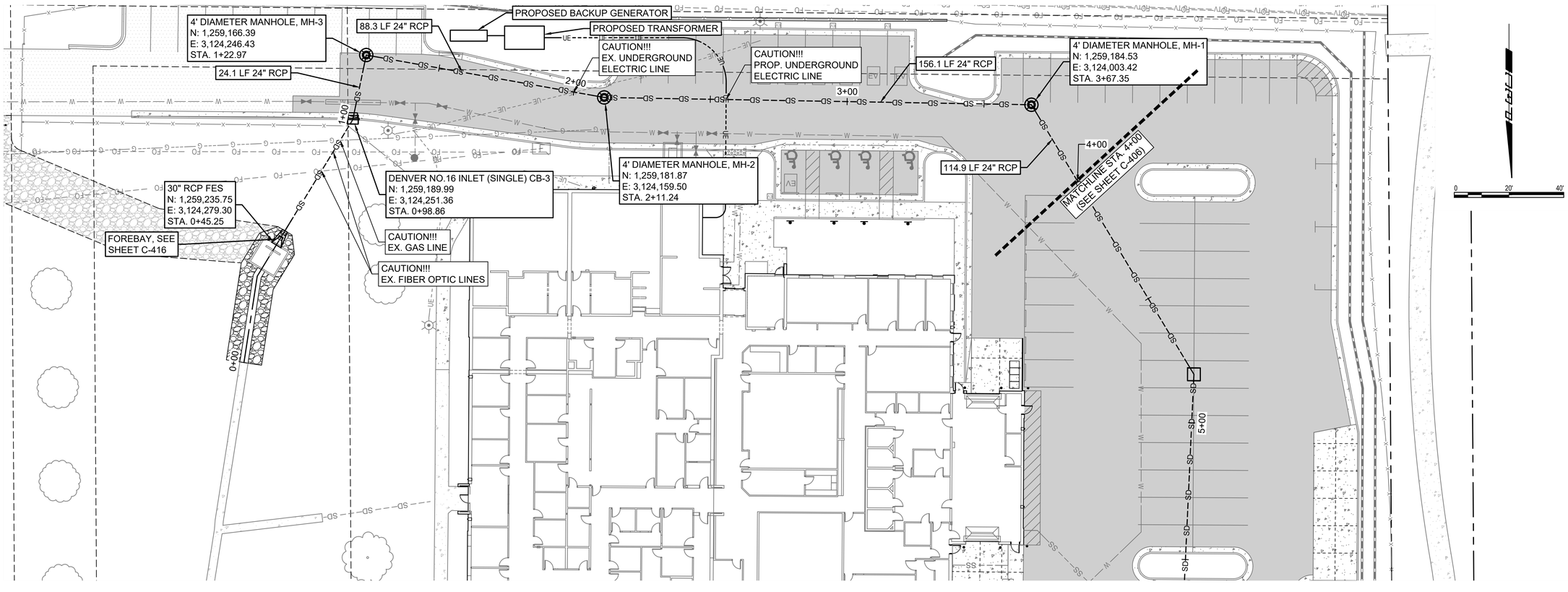
**DESIGN DEVELOPMENT**

NOT FOR CONSTRUCTION

TOWN OF ERIE
# ERIE PD - ADDITION & RENOVATION
1000 TELLEEN AVENUE, ERIE, COLORADO 80516

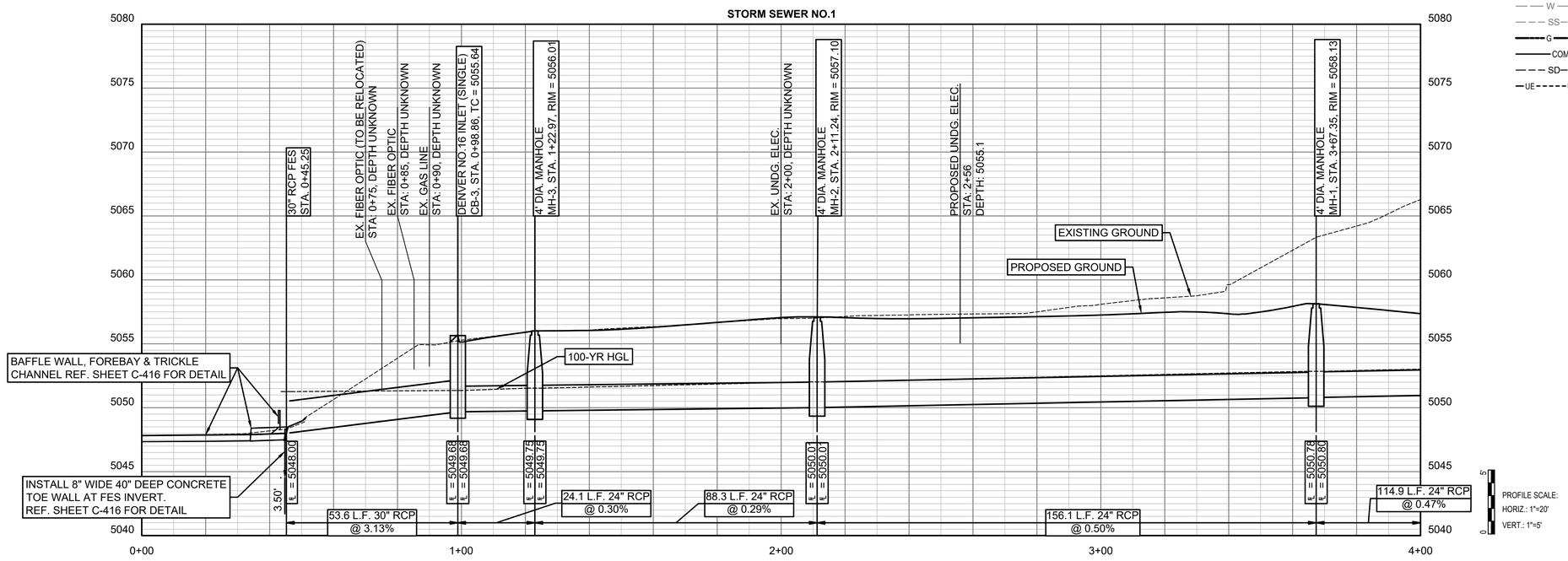
## SANITARY PLAN & PROFILE

SHEET IDENTIFICATION
C-404




LEGEND

- PROPOSED WATERLINE
- PROPOSED SANITARY LINE
- PROPOSED GAS LINE
- PROPOSED TELECOM LINE
- PROPOSED STORM DRAIN
- PROPOSED UNDERGROUND ELECTRIC LINE




D2C ARCHITECTS

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| MARK | DESCRIPTION | DATE | APPR. |
|---|---|---|---|

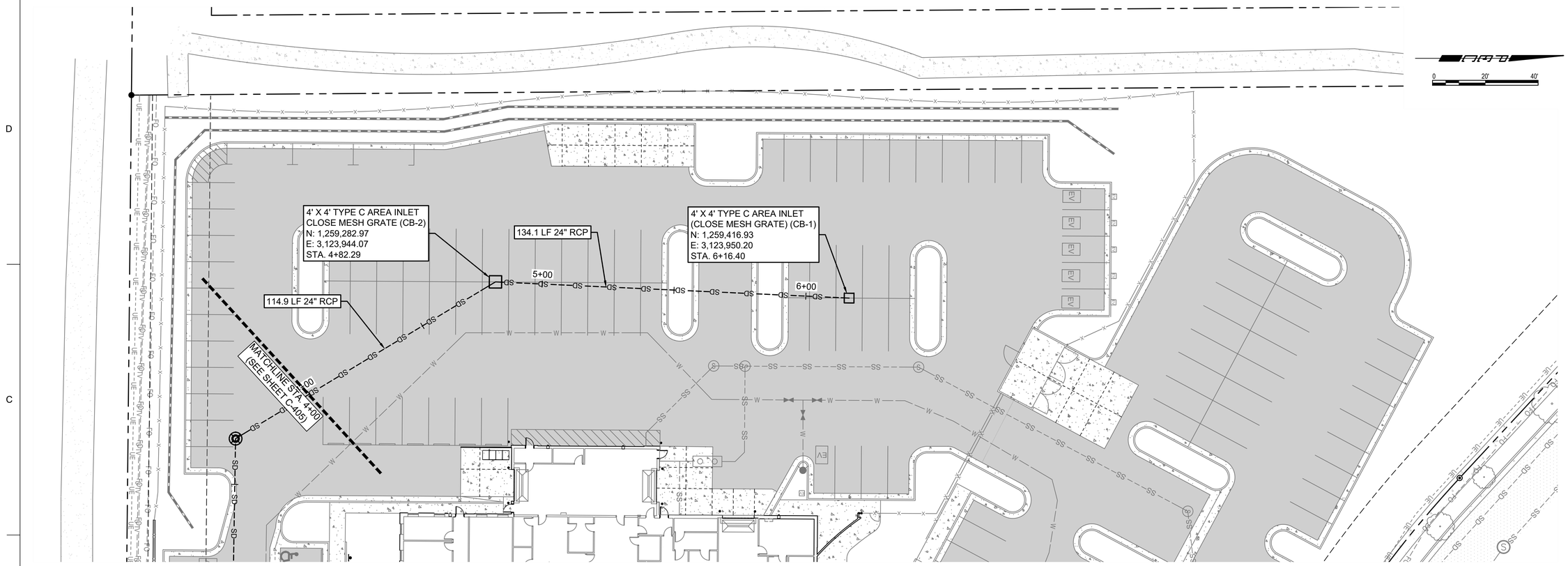
ISSUE DATE: **OCTOBER 14, 2025**
CONSULTANT'S PROJECT # 240687-000
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:
DESIGN BY: NAR
D2C PROJECT NUMBER 202420
DRAWN BY: CJR
CKD BY: KJB
SBMT BY: NAR
PLOT DATE: 2/17/2025 10:05:48 AM
PLOT SCALE:
SIZE: 22" x 34"
FILE NAME: P:\ARC\2024\C-405 - SWS NO.1 PLAN & PROFILE.dwg

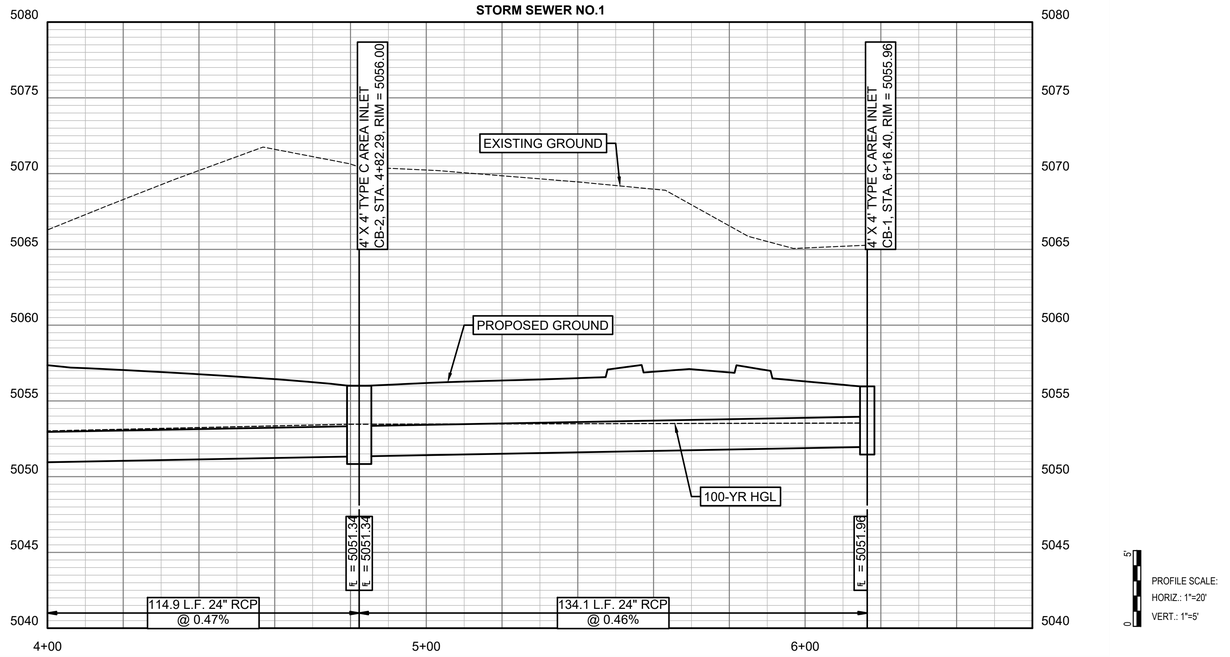
**DESIGN DEVELOPMENT**

NOT FOR CONSTRUCTION

TOWN OF ERIE
# ERIE PD - ADDITION & RENOVATION
1000 TELLEEN AVENUE, ERIE, COLORADO 80516
## SWS NO.1 PLAN & PROFILE

SHEET IDENTIFICATION
C-405




LEGEND

- PROPOSED WATERLINE
- PROPOSED SANITARY LINE
- PROPOSED GAS LINE
- PROPOSED TELECOM LINE
- PROPOSED STORM DRAIN
- PROPOSED UNDERGROUND ELECTRIC LINE

D2C ARCHITECTS

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|---|---|---|---|

ISSUE DATE: **OCTOBER 14, 2025**
CONSULTANT'S PROJECT #: 240667-000
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:

DESIGN BY: NAR
D2C PROJECT NUMBER: 202420
DRAWN BY: CJR
CKD BY: KJB
SBMT BY: NAR
PLOT DATE: 2/17/2025 10:05:48 AM
PLOT SCALE:
SIZE: 22" x 34"
FILE NAME: P:\ARCHIVE\Civil\C-406 - SWS NO.1 PLAN & PROFILE.dwg

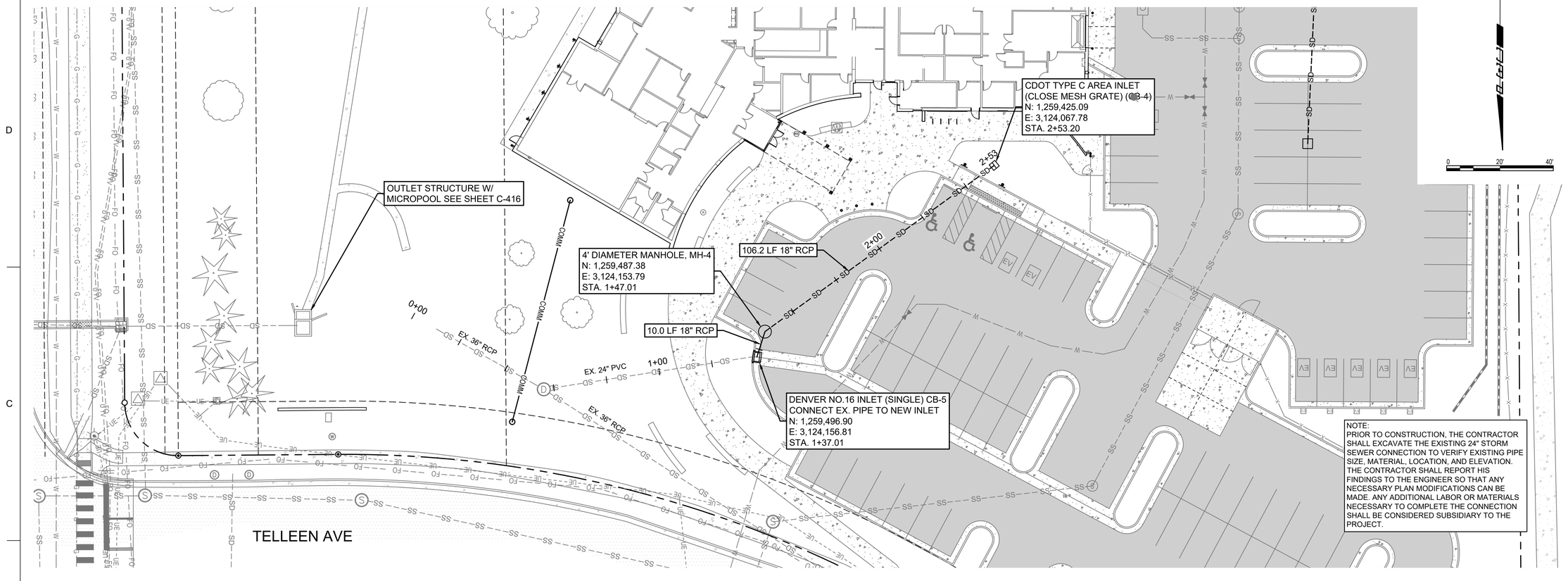
***DESIGN DEVELOPMENT***

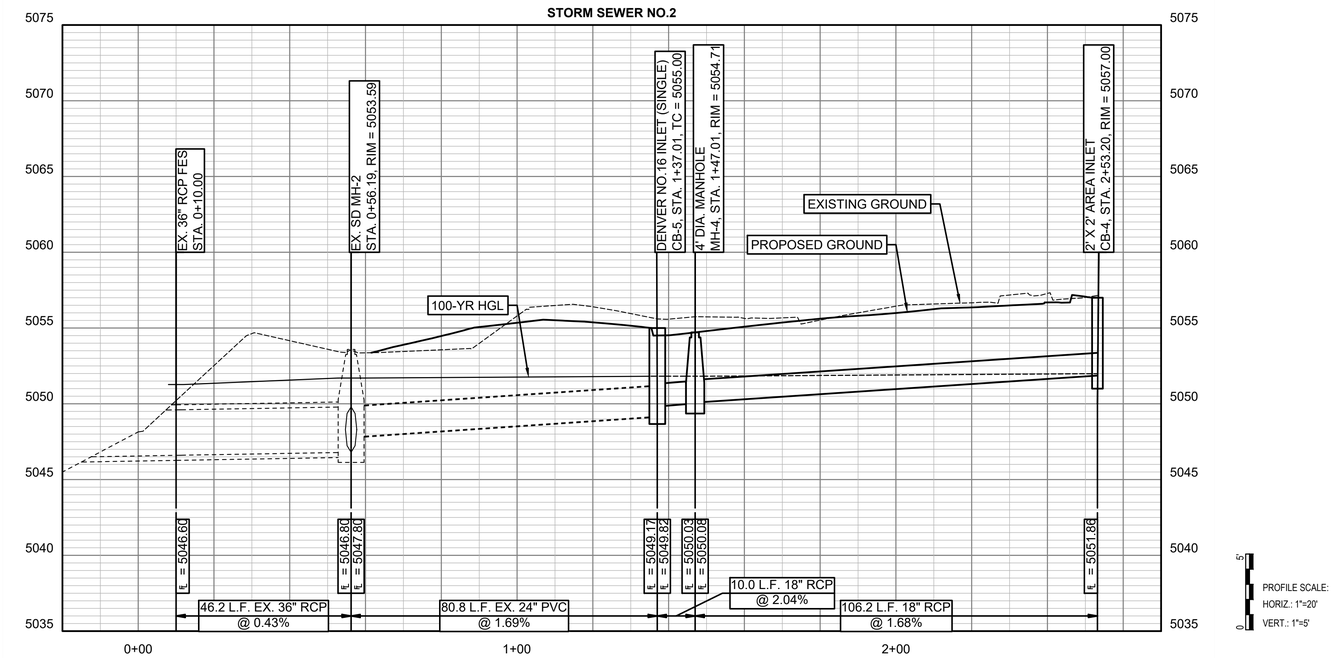
NOT FOR CONSTRUCTION

TOWN OF ERIE
# ERIE PD - ADDITION & RENOVATION
1000 TELLEEN AVENUE, ERIE, COLORADO 80516

## SWS NO.1 PLAN & PROFILE

**SHEET IDENTIFICATION**
C-406




LEGEND

- PROPOSED WATERLINE
- PROPOSED SANITARY LINE
- PROPOSED GAS LINE
- PROPOSED TELECOM LINE
- PROPOSED STORM DRAIN
- PROPOSED UNDERGROUND ELECTRIC LINE


D2C ARCHITECTS

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| MARK | DESCRIPTION | DATE | APPR |
|---|---|---|---|

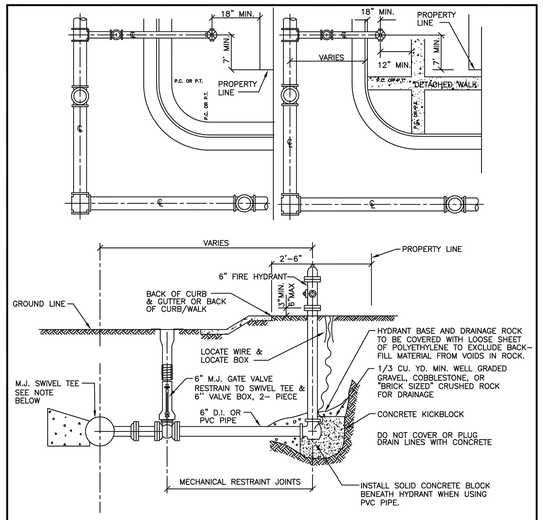
ISSUE DATE: **OCTOBER 14, 2025**
CONSULTANT'S PROJECT # 240667-000
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:
DESIGN BY: NAR
D2C PROJECT NUMBER 202420
DRAWN BY: CJR
CKD BY: KJB
SBMT BY: NAR
PLOT DATE: 2/17/2025 10:05:48 AM
PLOT SCALE:
SIZE: 22" x 34"
FILE NAME: P:\ARC\2024\D2C\240667 - SWS NO.2 PLAN & PROFILE.dwg

**DESIGN DEVELOPMENT**

NOT FOR CONSTRUCTION

TOWN OF ERIE
# ERIE PD - ADDITION & RENOVATION
1000 TELLEEN AVENUE, ERIE, COLORADO 80516
## SWS NO.2 PLAN & PROFILE

**SHEET IDENTIFICATION**
C-407

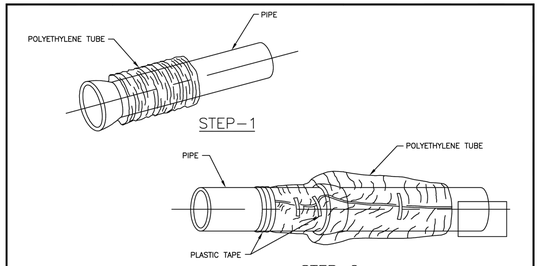



NOTES:

1. NO HORIZONTAL OR VERTICAL BENDS ARE ALLOWED IN FIRE HYDRANT BRANCH OR SPRINKLER LINES
2. MAXIMUM OF ONE FIRE HYDRANT EXTENSION
3. CONTRACTOR TO TAKE CARE NOT TO BLOCK WEEP HOLES
4. ALL DUCTILE IRON PIPE TO BE POLYETHYLENE WRAPPED
5. FIRE HYDRANTS SHALL BE SET A MIN. OF 18" BEHIND BACK OF CURB OR A MIN. OF 6" BACK OF SIDEWALK IF THERE IS AN ATTACHED SIDEWALK. DISTANCE SHALL BE MEASURED FROM PUMPER NOZZLE TO THE BACK OF CURB OR SIDEWALK.

The Town of ERIE COLORADO

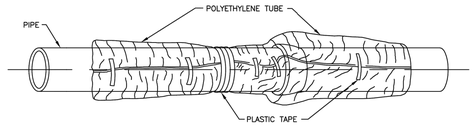
DRAWING TITLE: FIRE HYDRANTS, MAINS & VALVES
DRAWING NUMBER: W7
DRAWN BY: J. ASCUNCE APPROVED BY: D. PASIC DATE: 10/2024




STEP-1




STEP-2




STEP-3

FIELD INSTALLATION-POLYETHYLENE WRAP

STEP-1 PLACE TUBE OF POLYETHYLENE MATERIAL AROUND PIPE PRIOR TO LOWERING PIPE INTO TRENCH.

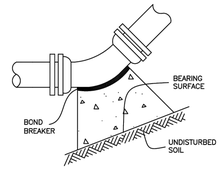
STEP-2 PULL THE TUBE OVER THE LENGTH OF THE PIPE. TAPE TUBE TO PIPE AT JOINT. FOLD MATERIAL AROUND THE ADJACENT SPIGOT END AND WRAP WITH THREE CIRCUMFERENTIAL TURNS OF TWO-INCH WIDE PLASTIC TAPE TO HOLD PLASTIC TUBE AROUND SPIGOT END.

STEP-3 ADJACENT TUBE OVERLAPS FIRST TUBE AND IS SECURED WITH PLASTIC ADHESIVE TAPE. THE POLYETHYLENE TUBE MATERIAL COVERING THE PIPE WILL BE LOOSE. EXCESS MATERIAL AND SHOULD BE NEATLY DRAWN UP AROUND THE PIPE BARREL, FOLDED INTO AN OVERLAP ON TOP OF THE PIPE AND HELD IN PLACE BY MEANS OF PIECES OF THE PLASTIC TAPE AT APPROXIMATELY THREE TO FIVE FOOT INTERVALS.

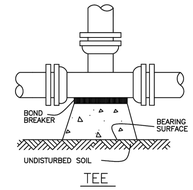
NOTE: ALL RODDING TO BE ENCASED IN POLYETHYLENE SEPARATED FROM THE PIPE

The Town of ERIE COLORADO

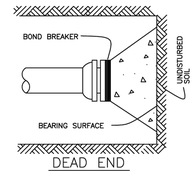
DRAWING TITLE: POLYETHYLENE WRAP
DRAWING NUMBER: W9
DRAWN BY: D. JENKINS APPROVED BY: G. BEHLEN DATE: 06/2004



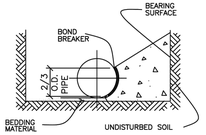

11-1/4° 22-1/2° 45° AND 90° BENDS




TEE




DEAD END



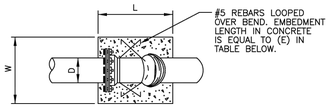

TYPICAL CROSS SECTION

NOTES:

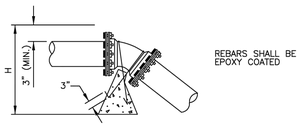
1. SEE THRUST BLOCKING CHART FOR MINIMUM BEARING SURFACE AREAS
2. BASED ON 150 PSI INTERNAL PIPE PRESSURE PLUS WATER HAMMER
   4",6",8" AND 12" WATER HAMMER=110 P.S.I.
   16",20" AND 24" WATER HAMMER =70 P.S.I.
3. BASED ON 3,000 pfs SOIL BEARING CAPACITY
4. THRUST BLOCKING SHALL BE CAST AGAINST UNDISTURBED EARTH. FORMS SHALL BE USED AS REQUIRED TO OBTAIN ADEQUATE BEARING AND TO CONFINE THE CONCRETE. THRUST BLOCKING SHALL BEAR ON THE FITTING OR END CAP ONLY AND SHOULD NOT BE ALLOWED TO SPILL OVER THE JOINT OR AGAINST THE PIPE

The Town of ERIE COLORADO

DRAWING TITLE: THRUST BLOCK
DRAWING NUMBER: W14A
DRAWN BY: D. JENKINS APPROVED BY: G. BEHLEN REV. DATE: 01/2015




PLAN




PROFILE

| SIZE OF PIPE (D) | 11 1/4 DEG. | | | | | 22 1/2 DEG. | | | | | 45 DEG. | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | L" | W" | H" | E" | VOL | L" | W" | H" | E" | VOL | L" | W" | H" | E" | VOL |
| 4" | 12 | 24 | 24 | 12 | 4 | 12 | 34 | 34 | 12 | 8 | 22 | 37 | 32 | 22 | 15 |
| 6" | 18 | 32 | 27 | 18 | 9 | 15 | 52 | 40 | 15 | 18 | 28 | 64 | 32 | 28 | 33 |
| 8" | 21 | 40 | 33 | 21 | 16 | 22 | 61 | 40 | 22 | 31 | 35 | 64 | 45 | 35 | 58 |
| 10" | 24 | 50 | 36 | 24 | 25 | 30 | 59 | 48 | 30 | 49 | 42 | 72 | 52 | 42 | 90 |
| 12" | 31 | 56 | 36 | 31 | 36 | 36 | 70 | 48 | 36 | 70 | 45 | 80 | 62 | 45 | 129 |

NOTES:

1. THRUST BLOCKING SHALL BE CAST AGAINST UNDISTURBED EARTH. FORMS SHALL BE USED AS REQUIRED TO OBTAIN ADEQUATE BEARING AND TO CONFINE THE CONCRETE. THRUST BLOCKING SHALL BEAR ON THE FITTING OR END CAP ONLY AND SHOULD NOT BE ALLOWED TO SPILL OVER THE JOINT OR AGAINST THE PIPE.
2. VOLUME IS IN CUBIC FEET.
3. ALL CONCRETE TO BE 4000 P.S.I. MIN.
4. BLOCKS TO BE CENTERED HORIZONTALLY ON THE BEND.
5. DESIGN BASED ON A TEST PRESSURE OF 150 P.S.I. AND SAFETY FACTOR ($S_f$) OF 1.5
6. $V_g = \frac{S_f \ PA \ SIN \ \theta}{W_m}$
7. $W_m$= 140 # / $FT^3$
8. THE DESIGN ENGINEER IS RESPONSIBLE FOR VERIFYING THE ACTUAL SITE CONDITIONS WITH RESPECT TO THE ASSUMPTIONS LISTED ABOVE.

The Town of ERIE COLORADO

DRAWING TITLE: UPPER VERTICAL THRUST BLOCK
DRAWING NUMBER: W15
DRAWN BY: R. GROSS APPROVED BY: D. PASIC REV. DATE: 08/2024

TABLE OF BEARING AREAS IN SQ. FT. FOR CONCRETE THRUST BLOCKING

FOR 100 P.S.I. INTERNAL STATIC PRESSURE AND 1,000 LBS. PER SQUARE FOOT SOIL BEARING CAPACITY.

| SIZE | BENDS | | | | TEES * | GATE VALVES | DEAD ENDS | CROSS W/ 1 BRANCH PLUGGED | CROSS W/ 2 BRANCHES PLUGGED |
|---|---|---|---|---|---|---|---|---|---|
| | 90° | 45° | 22-1/2° | 11-1/4° | | | | | |
| 3 | 1.0 | 0.6 | 0.3 | 1.0 | 0.7 | 0.5 | 0.7 | 0.7 | 0.7 |
| 4 | 1.8 | 1.0 | 0.5 | 1.0 | 1.3 | 0.5 | 1.3 | 1.3 | 1.3 |
| 6 | 4.0 | 2.2 | 1.1 | 1.0 | 2.8 | 0.7 | 2.8 | 2.8 | 2.8 |
| 8 | 7.1 | 3.8 | 2.0 | 1.0 | 5.0 | 2.4 | 5.0 | 5.0 | 5.0 |
| 10 | 11.1 | 6.0 | 3.0 | 1.5 | 7.8 | 4.5 | 7.8 | 7.8 | 7.8 |
| 12 | 16.0 | 8.6 | 4.4 | 2.2 | 11.3 | 7.3 | 11.3 | 11.3 | 11.3 |
| 14 | 21.7 | 11.8 | 6.0 | 3.0 | 15.4 | 11.0 | 15.4 | 15.4 | 15.4 |
| 15 | 25.0 | 13.5 | 7.0 | 3.5 | 17.6 | SPECIAL DESIGN | 17.6 | 17.6 | 17.6 |
| 16 | 28.4 | 15.3 | 8.0 | 4.0 | 20.0 | | 20.0 | 20.0 | 20.0 |
| 18 | 36.0 | 19.4 | 10.0 | 5.0 | 25.4 | | 25.4 | 25.4 | 25.4 |
| 20 | 44.2 | 24.0 | 12.2 | 6.1 | 31.4 | | 31.4 | 31.4 | 31.4 |
| 21 | 49.0 | 26.5 | 13.5 | 6.8 | 34.6 | | 34.6 | 34.6 | 34.6 |
| 22 | 54.0 | 29.0 | 14.8 | 7.4 | 38.0 | | 38.0 | 38.0 | 38.0 |
| 24 | 64.0 | 34.5 | 17.7 | 8.8 | 45.0 | | 45.0 | 45.0 | 45.0 |
| 30 | 100.0 | 54.0 | 27.6 | 13.8 | 71.0 | | 71.0 | 71.0 | 71.0 |
| 36 | 144.0 | 78.0 | 40.0 | 20.0 | 102.0 | | 102.0 | 102.0 | 102.0 |

* SIZE IS BRANCH SIZE

AREAS GIVEN IN TABLE ARE BASED UPON AN INTERNAL STATIC PRESSURE OF 100 P.S.I. AND A SOIL BEARING CAPACITY OF 1,000 LBS. PER SQUARE FOOT. BEARING AREAS FOR ANY PRESSURE AND SOIL BEARING CAPACITY MAY BE OBTAINED BY MULTIPLYING THE TABULATED VALUES BY A CORRECTION FACTOR "F".

$$F = \frac{\text{ACTUAL SPECIFIED TEST PRESSURE IN HUNDRED OF LBS.}}{\text{ACTUAL SOIL BEARING CAPACITY IN THOUSANDS OF LBS.}}$$

EXAMPLE: TO FIND BEARING AREA FOR 8" - 90° BEND WITH A STATIC INTERNAL PRESSURE OF 150 P.S.I. AND WITH A SOIL BEARING CAPACTIY OF 3,000 LBS. PER SQUARE FOOT.

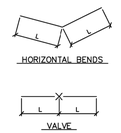
F = 1.5 ÷ 3 = 0.5 TABULATED VALUE = 7.1 SQUARE FOOT.
0.5 x 7.1 = 3.56 SAY 4 SQUARE FEET OF 2 FOOT LONG BY 2 FOOT HIGH.

The Town of ERIE COLORADO

DRAWING TITLE: THRUST BLOCKING CHART
DRAWING NUMBER: W14B
DRAWN BY: D. JENKINS APPROVED BY: G. BEHLEN REV. DATE: 01/2015

ROD DIAMETER, GRADE & LENGTH OF RESTRAINED PIPE

| PIPE SIZE | 4" | | | 6" | | | 8" | | | 12" | | | 16" | | | 20" | | | 24" | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FITTING | D | L | G | D | L | G | D | L | G | D | L | G | D | L | G | D | L | G | D | L | G |
| 90° BEND, TEE, PLUG | 3/4" | 30' | MS | 3/4" | 45' | MS | 3/4" | 60' | MS | 3/4" | 86' | MS | 1" | 108' | HS | 1 1/4" | 132' | HS | - | 155' | - |
| VALVE | - | - | - | - | - | - | - | - | - | - | - | - | 1" | 108' | HS | 1 1/4" | 132' | HS | - | 155' | - |
| 45° BEND | 3/4" | 9' | MS | 3/4" | 13' | MS | 3/4" | 18' | MS | 3/4" | 25' | MS | 1" | 32' | MS | 3/4" | 39' | HS | - | 45' | - |
| 22 1/2° BEND | 3/4" | 1' | MS | 3/4" | 4' | MS | 3/4" | 5' | MS | 3/4" | 7' | MS | 3/4" | 8' | MS | 3/4" | 10' | MS | - | 12' | - |
| 11 1/4° BEND | - | - | - | - | - | - | 3/4" | 1' | MS | 3/4" | 2' | MS | 3/4" | 2' | MS | 3/4" | 3' | MS | - | 3' | - |




NOTES:

1. LENGTH OF RESTRAINED PIPE MEASURED EACH WAY FROM VALVES AND BENDS.
2. CLAMPS AND RODS NOT ALLOWED FOR 24" & LARGER PIPES.
3. D=DIAMETER, L=LENGTH, G=GRADE, MS=MILD STEEL, HS=HIGH STRENGTH.
4. MIN 4.5' GROUND COVER REQD.
5. BASED ON 150 PSI INTERNAL PRESSURE.
6. MS = MILD STEEL ROD ASTM A 36.
7. HS = HIGH STRENGTH ROD ASTM A 193 GRADE B7.
8. NUTS SHALL BE ASTM A 307 GRADE A OR B HEXAGON HEAVY SERIES. HS NUTS SHALL CONFORM TO MS-22.
9. LENGTH REFERS TO THE AMOUNT OF PIPE WHICH MUST BE RESTRAINED TOGETHER.
10. LENGTH OF RESTRAINED PIPE CHART IS ALSO FOR THE LENGTH OF JOINT RESTRAINT FOR MEGALUGS.
11. TEES & CROSSES MUST BE RESTRAINED IN ALL APPLICABLE DIRECTIONS.
12. 12" AND SMALLER IN LINE VALVES AND TEES SHALL HAVE A MECHANICAL JOINT RESTRAINT DEVICE ON EACH SIDE OF THE FITTING OR VALVE.
13. A SECOND VALVE WILL BE REQD TO BE CLOSED WHEN EXCAVATING NEXT TO A EXIST VALVE.
14. WHEN REDUCERS ARE USED ON VALVE INSTALLATIONS THE LENGTH OF RESTRAINT SHALL BE BASED ON THE SIZE OF THE PIPE NOT THE SIZE OF THE VALVE.
15. ALL REDUCERS/INCREASERS SHALL HAVE MECHANICAL RESTRAINT DEVICES ON EACH SIDE OF FITTING.
16. PIPE JOINT RESTRAINT MAY BE ACCOMPLISHED USING HARNESS RODS, MECHANICAL JOINT RESTRAINT OR RESTRAINED JOINT PIPE AND FITTINGS.
17. AN ANALYSIS OF THE NECESSARY RESTRAINT LENGTH FOR PIPE LARGER THAN 24" SHALL BE SUBMITTED TO THE PUBLIC WORKS DEPT FOR REVIEW AND APPROVAL ON A CASE BY CASE BASIS.

The Town of ERIE COLORADO

DRAWING TITLE: RESTRAINED PIPE LENGTHS
DRAWING NUMBER: W16
DRAWN BY: D. JENKINS APPROVED BY: G. BEHLEN REV. DATE: 01/2015

D2C ARCHITECTS

PEC
PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
351 LINDEN ST, STE 100
FORT COLLINS, CO 80524
970-232-9558 www.pec1.com

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| MARK | DESCRIPTION | DATE | APPR. |
|---|---|---|---|

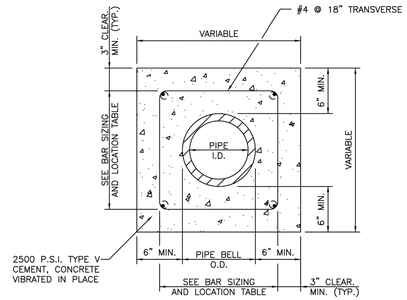
ISSUE DATE: OCTOBER 14, 2025
CONSULTANT'S PROJECT #: 240667-000
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:
DESIGN BY: NAR
D2C PROJECT NUMBER 202420
DRAWN BY: CJR
CKD BY: KJB
SBMT BY: NAR
PLOT DATE: 2/17/2025 10:05:48 AM
PLOT SCALE:
SIZE: 22" x 34"
FILE NAME: P:\ERIE\D2C\C-410 - UTILITY DETAILS.dwg

**DESIGN DEVELOPMENT**

NOT FOR CONSTRUCTION

TOWN OF ERIE
ERIE PD - ADDITION & RENOVATION
1000 TELLEEN AVENUE, ERIE, COLORADO 80516
UTILITY DETAILS

SHEET IDENTIFICATION
C-410



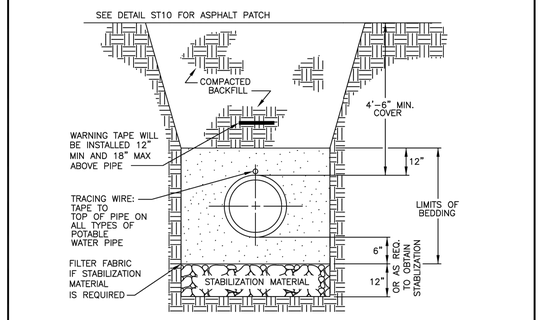

REINFORCEMENT STEEL

| PIPE I.D. | LONGITUDINAL BARS – LOCATION | | |
|---|---|---|---|
| 6 IN. | 4–NO. 4 BARS | 1 EACH | CORNER |
| 8 IN. | 4–NO. 4 BARS | 1 EACH | CORNER |
| 10 IN. | 8–NO. 4 BARS | 3 EACH | SIDE |
| 12 IN. | 8–NO. 4 BARS | 3 EACH | SIDE |
| 15 IN. | 8–NO. 4 BARS | 3 EACH | SIDE |
| 18 IN. | 8–NO. 4 BARS | 3 EACH | SIDE |
| 21 IN. | 12–NO. 4 BARS | 4 EACH | SIDE |
| 24 IN. | 12–NO. 4 BARS | 4 EACH | SIDE |
| 27 IN. | 12–NO. 4 BARS | 4 EACH | SIDE |
| 30 IN. | 12–NO. 4 BARS | 4 EACH | SIDE |
| 33 IN. | 12–NO. 4 BARS | 4 EACH | SIDE |
| 36 IN. | 16–NO. 4 BARS | 5 EACH | SIDE |

NOTE:
THE DISTRICT SHALL REVIEW THIS DETAIL FOR USE ON A CASE BY CASE BASIS. SPECIAL ENCASEMENTS MAY BE REQUIRED AT CREEK CROSSINGS AND CONDUIT CROSSINGS.

The Town of ERIE COLORADO

DRAWING TITLE: CONCRETE ENCASEMENT DETAIL
DRAWING NUMBER: W23
DRAWN BY: D. JENKINS APPROVED BY: G. BEHLEN REV. DATE: 01/2009

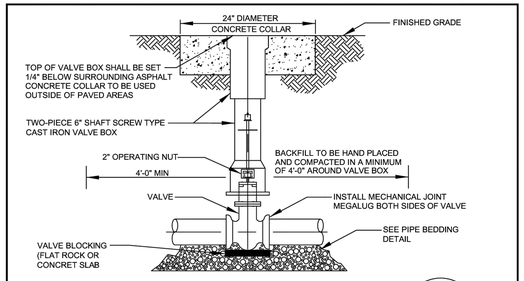



NOTES:

1. COMPACTION SHALL BE AS FOLLOWS: PIPE ZONE BEDDING 6" UNDER AND 12" OVER PIPE WILL REQUIRE 90% S.P.D. TRENCH ZONE ABOVE BEDDING MATERIALS, FULL TRENCH SECTION IN ROADWAY OR STREET R.O.W. LIMITS WILL REQUIRE 95% S.P.D. TRENCH ZONE ABOVE BEDDING MATERIALS, OUTSIDE OF STREET R.O.W. WILL REQUIRE 90% S.P.D.
2. 12 AWG. SINGLE STRAND INSULATED COPPER WIRE SHALL BE INSTALLED AS TRACING WIRE ABOVE ALL POTABLE WATER PIPES. THE WIRE SHALL BE CONNECTED AND COME TO THE SURFACE BEHIND THE FIRE HYDRANTS IN A TESTBOX.
3. FILTER FABRIC IS REQUIRED IF STABILIZATION MATERIAL IS USED. THE FABRIC SHALL BE INSTALLED AS SHOWN IN THE DETAIL.
4. TRENCH TO BE BRACED OR SHEETED AS NECESSARY FOR THE SAFETY OF THE WORKMEN AND PROTECTION OF OTHER UTILITIES IN ACCORDANCE WITH APPLICABLE LOCAL, STATE AND FEDERAL SAFETY REGULATIONS.
5. PIPE SHALL BE BEDDED FROM 6" BELOW THE BOTTOM OF THE PIPE TO 12" ABOVE THE TOP OF THE PIPE.
6. TRENCH WIDTH SHALL NOT BE MORE THAN 24" NOR LESS THAN 12" WIDER THAN THE LARGEST OUTSIDE DIAMETER OF THE PIPE.

The Town of ERIE COLORADO

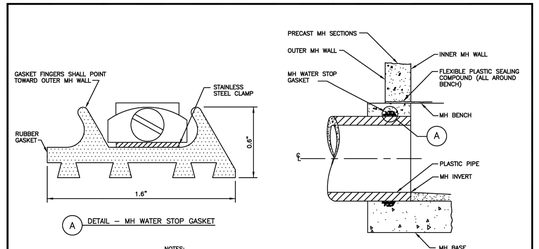
DRAWING TITLE: WATER TRENCH DETAIL
DRAWING NUMBER: W35
DRAWN BY: J. ASCUNCE APPROVED BY: R. PENNINGTON REV. DATE: 09/2017




NOTES:
1. POTABLE & FIRE VALVE BOX LID RESTS INSIDE THE UPPER VALVE BOX SECTION.
2. NON-POTABLE VALVE BOX LID SLIDES OVER THE TOP OF THE UPPER VALVE BOX SECTION.
3. NON-POTABLE, WATER OR FIRE CAST IN TOP OF APPROPRIATE VALVE BOX COVER.
4. VALVE BOX SHALL NOT BE SUPPORTED BY WATER LINE.
5. VALVE BOX TO BE PLUMB AND CENTERED OVER NUT.
6. UTILIZING A VALVE BOX ALIGNMENT DEVICE IS OPTIONAL.
7. IF 2" OPERATING NUT IS MORE THAN 6' BELOW FINISHED GRADE, A VALVE NUT EXTENDER SHALL BE INSTALLED TO PUT THE VALVE NUT AT AN ELEVATION OF 4' BELOW FINISHED GRADE.

The Town of ERIE COLORADO

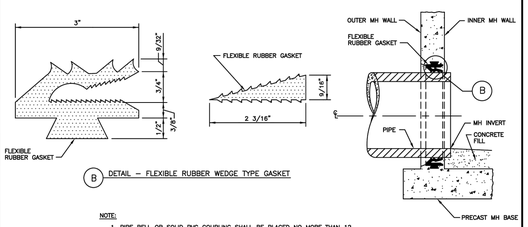
DRAWING TITLE: STANDARD VALVE AND BOX
DRAWING NUMBER: W38
DRAWN BY: R. GROSS APPROVED BY: D. PASIC REV. DATE: 09/2024




A DETAIL – MH WATER STOP GASKET

NOTES:
1. PLACE STOP ON PIPE NEAR CENTER OF MANHOLE WALL.
2. TIGHTEN STEEL BAND TO ASSURE POSITIVE SEAL AGAINST PIPE OUTSIDE. A SCREWDRIVER MAY BE USED TO TAKE UP INITIAL SLACK BUT A SOCKET WRENCH (5/16") IS PREFERRED TO ENSURE PROPER TIGHTNESS.

CAST–IN–PLACE MANHOLE CONNECTION DETAILS FOR PLASTIC PIPE



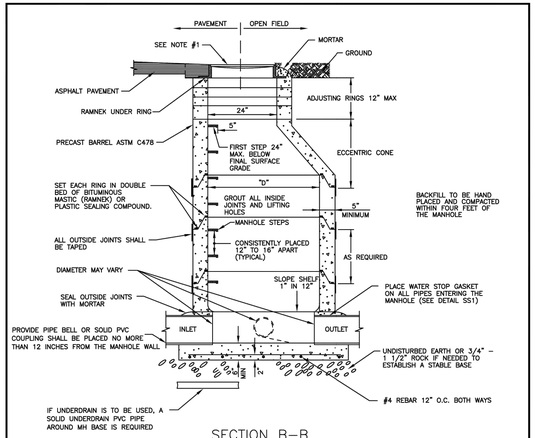

B DETAIL – FLEXIBLE RUBBER WEDGE TYPE GASKET

NOTE:
1. PIPE BELL OR SOLID PVC COUPLING SHALL BE PLACED NO MORE THAN 12 INCHES FROM THE MANHOLE.

PRECAST MANHOLE CONNECTION DETAILS FOR ANY TYPE OF PIPE

The Town of ERIE COLORADO

DRAWING TITLE: MH/PIPE WATER STOP GASKET
DRAWING NUMBER: SS1
DRAWN BY: D. BORRASTERO APPROVED BY: D. PASIC DATE: 08/2020



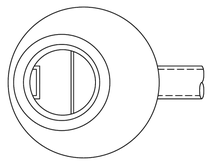

SECTION B–B

NOTES:

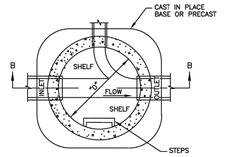
1. FINAL GRADE OF MANHOLE COVERS SHALL BE 1/4" LOWER THAN FINAL STREET.
2. ALL CHANNELS FLOWING INTO THE MAIN STREAM OF THE SEWER SHALL BE HAND FORMED INTO THE FLOW.
3. STEPS SHOULD BE PLACED OVER THE SHELF, NOT OVER THE FLOW. NO STEPS ALLOWED IN THE ADJUSTING RING AREA.
4. PRECAST CONCRETE SECTIONS SHALL CONFORM TO ASTM C–478.
5. BLOCK–OUTS, WHEN APPROVED, SHALL EXTEND A MAX. OF 6" PAST MANHOLE O.D. AND BE SATISFACTORILY PLUGGED AND SEALED.
6. BENCH MUST HAVE A BRUSHED, NON–SKID SURFACE.
7. BENCH IS TO BE EVEN WITH TOP OF PIPES
8. A MINIMUM OF 0.2' AND MAXIMUM OF 18" FALL REQUIRED FROM INLET TO OUTLET
9. MANHOLES NOT IN ASPHALT OR CONCRETE SHALL BE RAISED 6" ABOVE FINAL GRADE AND A CONCRETE COLLAR INSTALLED WITH A GREEN CARSONITE POST

The Town of ERIE COLORADO

DRAWING TITLE: STANDARD MANHOLE
DRAWING NUMBER: SS3A (1 OF 2)
DRAWN BY: D. BORRASTERO APPROVED BY: D. PASIC REV. DATE: 08/2021



ECCENTRIC CONE PLAN VIEW




BASE PLAN VIEW

| PIPE I.D. | MANHOLE I.D. | RING & COVER |
|---|---|---|
| 18" & SMALLER | 4'–0"▲ | 24" |
| 21" TO 48" | 5'–0" | 30" |
| 54" | 6'–0" | 30", 36" W/ 24" |
| 60" & LARGER | SPECIAL DESIGN | INNER COVER |

▲ WHENEVER MORE THAN A TWO WAY MANHOLE OF MAX. PIPE I.D. IS REQUIRED, THE MANHOLE SHOULD BE INCREASED TO LARGER DIA., EG. 18"x18"x18", REQUIRES 5'–0" I.D.

The Town of ERIE COLORADO

DRAWING TITLE: STANDARD MANHOLE
DRAWING NUMBER: SS3B (2 OF 2)
DRAWN BY: D. JENKINS APPROVED BY: G. BEHLEN DATE: 06/2004

D2C ARCHITECTS

PEC
PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
351 LINDEN ST, STE 100
FORT COLLINS, CO 80524
970-232-9558 www.pec1.com

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| MARK | DESCRIPTION | DATE | APPR |
|---|---|---|---|

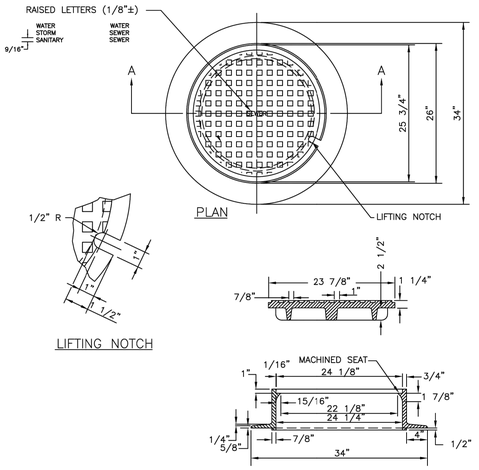
ISSUE DATE: OCTOBER 14, 2025
CONSULTANT'S PROJECT # 240667-000
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:
DESIGN BY: NAR
D2C PROJECT NUMBER 202420
DRAWN BY: CJR
CKD BY: KJB
SBMT BY: NAR
PLOT DATE: 2/17/2025 10:05:48 AM
PLOT SCALE:
SIZE: 22" x 34"
FILE NAME: P:\ERIE\D2C\C411 - UTILITY DETAILS.dwg

**DESIGN DEVELOPMENT**

NOT FOR CONSTRUCTION

TOWN OF ERIE
ERIE PD - ADDITION & RENOVATION
1000 TELLEEN AVENUE, ERIE, COLORADO 80516
UTILITY DETAILS

SHEET IDENTIFICATION
C-411



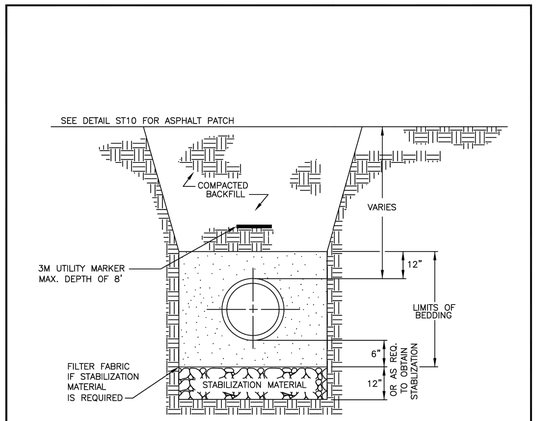

1. CASTING SPECIFICATIONS: ASTM A–48 WITH A MINIMUM TENSILE STRENGTH OF 25 KSI (CLASS 25)
2. ALL CASTINGS TO BE DIPPED IN ASPHALT BASE PAINT (OR APPROVED EQUAL)
3. CASTINGS SHALL BE AS SPECIFIED BELOW OR APPROVED EQUAL:

| MANUFACTURERS | CAT. # |
|---|---|
| NEENAH | R–1706 |
| CASTINGS, INC. | MH–400–24 C.I. |
| HUTCHINSON FDRY. & STL. INC. | MH–400 |

4. ALL NEW MANHOLES MUST INCLUDE A PLASTIC OR VINYL TAG ATTACHED TO THE TOP STEP STATING THE FOLLOWING "CAUTION CONFINED SPACE; ENTRY PERMIT REQUIRED.

The Town of ERIE COLORADO

DRAWING TITLE: 24" MANHOLE RING AND COVER
DRAWING NUMBER: SS6
DRAWN BY: D. JENKINS APPROVED BY: G. BEHLEN DATE: 1/2015

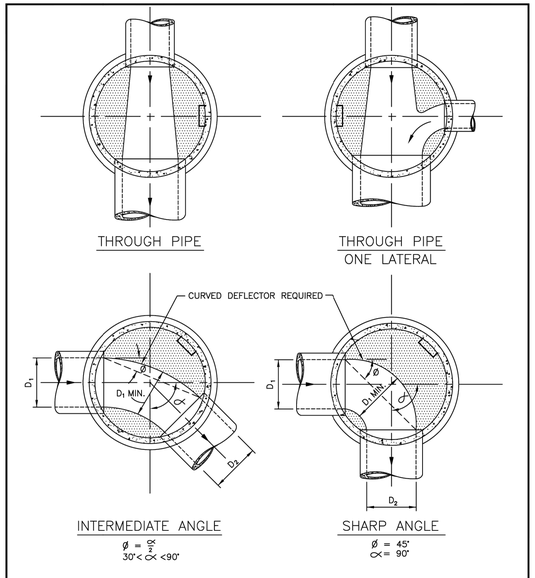



NOTES:

1. COMPACTION SHALL BE AS FOLLOWS: PIPE ZONE BEDDING 6" UNDER AND 12" OVER PIPE WILL REQUIRE 90% S.P.D. TRENCH ZONE ABOVE BEDDING MATERIALS, FULL TRENCH SECTION IN ROADWAY OR STREET R.O.W. LIMITS WILL REQUIRE 95% S.P.D. TRENCH ZONE ABOVE BEDDING MATERIALS, OUTSIDE OF STREET R.O.W. WILL REQUIRE 90% S.P.D.
2. FILTER FABRIC IS REQUIRED IF STABILIZATION MATERIAL IS USED. THE FABRIC SHALL BE INSTALLED AS SHOWN IN THE DETAIL.
3. TRENCH TO BE BRACED OR SHEETED AS NECESSARY FOR THE SAFETY OF THE WORKMEN AND PROTECTION OF OTHER UTILITIES IN ACCORDANCE WITH APPLICABLE LOCAL, STATE AND FEDERAL SAFETY REGULATIONS.
4. PIPE SHALL BE BEDDED FROM 6" BELOW THE BOTTOM OF THE PIPE TO 12" ABOVE THE TOP OF THE PIPE.
5. TRENCH WIDTH SHALL NOT BE MORE THAN 24" NOR LESS THAN 12" WIDER THAN THE LARGEST OUTSIDE DIAMETER OF THE PIPE.
6. SHOULD THE TRENCH BE EXCAVATED WIDER THAN ALLOWED, A CONCRETE CRADLE SHALL BE PLACED WITH 2500 P.S.I. CONCRETE FROM TRENCH BOTTOM TO PIPE SPRINGLINE.

The Town of ERIE COLORADO

DRAWING TITLE: SANITARY SEWER TRENCH DETAIL
DRAWING NUMBER: SS8
DRAWN BY: D. BORRASTERO APPROVED BY: D. PASIC DATE: 09/2022

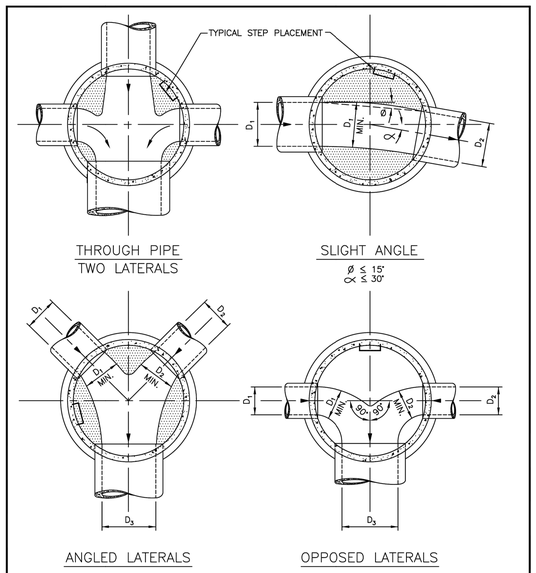



NOTES:

1. DETAILS SHOWN ARE TYPICAL ONLY FOR INSTALLATIONS WITH ALL INVERTS AT SAME RELATIVE ELEVATION.
2. FOR EXCESSIVE ELEVATION DIFFERENCE BETWEEN INVERTS, ETC. SPECIAL BASE/CHANNEL DETAILS SHALL BE SHOWN ON PLANS.
3. CHANNELIZATION DETAILS & STEP PLACEMENT TYPICAL FOR BOTH STORM AND SANITARY SEWER MH'S.
4. THE MINUMUM VERTICAL DROP THRU MANHOLE BASE SHALL BE 0.20 FOOT.
5. FOR VERTICAL DROPS IN EXCESS OF 2.0 FEET DROP MANHOLE IS REQUIRED.

The Town of ERIE COLORADO

DRAWING TITLE: TYPICAL MH BASE CHANNELIZATION (1 OF 2)
DRAWING NUMBER: SS11A
DRAWN BY: D. BORRASTERO APPROVED BY: D. PASIC DATE: 08/2020



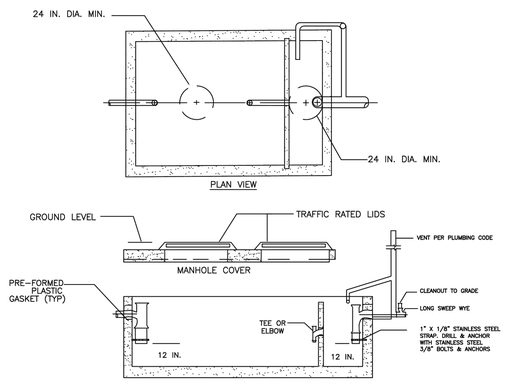

NOTES:

1. DETAILS SHOWN ARE TYPICAL ONLY FOR INSTALLATIONS WITH ALL INVERTS AT SAME RELATIVE ELEVATION.
2. FOR EXCESSIVE ELEVATION DIFFERENCE BETWEEN INVERTS, ETC. SPECIAL BASE/CHANNEL DETAILS SHALL BE SHOWN ON PLANS.
3. CHANNELIZATION DETAILS & STEP PLACEMENT TYPICAL FOR BOTH STORM AND SANITARY SEWER MH'S.
4. THE MINUMUM VERTICAL DROP THRU MANHOLE BASE SHALL BE 0.20 FOOT.
5. FOR VERTICAL DROPS IN EXCESS OF 1.5 FEET A DROP MANHOLE IS REQUIRED.

The Town of ERIE COLORADO

DRAWING TITLE: TYPICAL MH BASE CHANNELIZATION (2 OF 2)
DRAWING NUMBER: SS11B
DRAWN BY: D. BORRASTERO APPROVED BY: D. PASIC DATE: 08/2020

# TYPICAL GREASE INTERCEPTOR




NOTE:

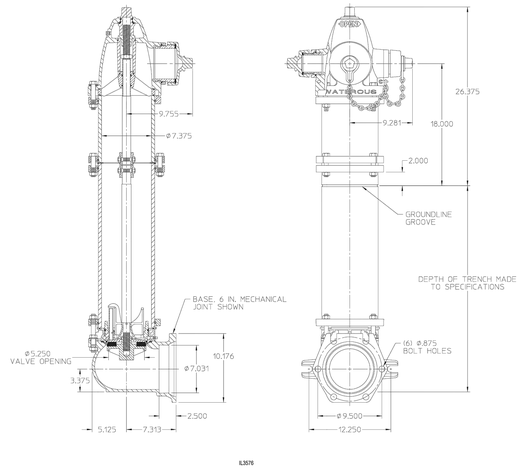
1. SECONDARY OUTLET COMPARTMENT HAS VOLUME EQUAL TO 1/3 OF TOTAL CAPACITY.
2. CHECK WITH SUPPLIER FOR EXACT DIMENSIONS.
3. INTERCEPTORS TO BE SIZED BY DESIGN ENGINEER, SUBJECT TO TOWN APPROVAL.
4. GREASE INTERCEPTORS SHALL BE LOCATED ON PRIVATE PROPERTY AND SHALL BE EASILY ACCESSIBLE AT ALL TIMES, FOR MAINTENANCE AND INSPECTION.
5. INLET AND OUTLET SHALL HAVE SANITARY TEES; CENTER BAFFLE MAY HAVE TEE OR ELBOW.
6. INTERIOR PIPING TO BE SCHEDULED 40 PVC WITH STAINLESS STRAP, ANCHORING STRAP TO PIPE & WALL.

The Town of ERIE COLORADO

DRAWING TITLE: GREASE INTERCEPTOR
DRAWING NUMBER: SS22
DRAWN BY: D. BORRASTERO APPROVED BY: D. PASIC REV. DATE: 08/2020

## AMERICAN Flow Control Submittal Information

**5-1/4 WATEROUS PACER® TRAFFIC MODEL WB67-250 FIRE HYDRANT**




**NOTES:**

1. 250 psig rated working pressure.
2. This hydrant meets or exceeds all requirements of AWWA C502.
3. 10 in. upper standpipe (traffic section) is standard. 16 in., 22 in., 28 in. and 34 in. upper standpipes are available by special order. Nozzle elevation will vary accordingly.
4. 5-1/4" valve opening.
5. Hydrants are available with counterclockwise opening direction (open-left) or clockwise opening direction (open-right).
6. Operating nut and nozzle cap wrench nuts are available in various shapes and sizes.
7. Certified to NSF/ANSI/CAN 61 & NSF/ANSI 372.

AMERICAN FLOW CONTROL
THE RIGHT WAY

AMERICAN Flow Control
P.O. Box 2727
Birmingham, Al. 35202-2727
Phone: 1-800-326-8051
Fax: 1-800-610-3569
E-mail: aflosales@american-usa.com

Waterous Company
125 Hardman Avenue South
South St. Paul, Mn. 55075-1191
Phone: 1-888-266-3686
Fax: 1-800-601-2809
E-mail: aflosales@american-usa.com

WWW.AMERICAN-USA.COM



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ISSUE DATE: OCTOBER 14, 2025
CONSULTANT'S PROJECT #: 240667-000
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:

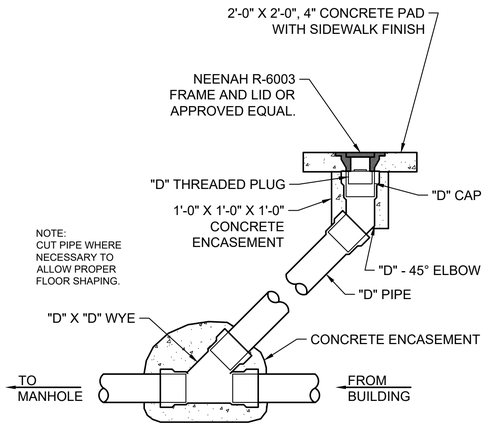
DESIGN BY: NAR
D2C PROJECT NUMBER: 202420
DRAWN BY: CJR
CKD BY: KJB
SBMT BY: NAR
PLOT DATE: 2/17/2025 10:05:48 AM
PLOT SCALE: 1:1
SIZE: 22" x 34"
FILE NAME: ERIE\ADDN\C412 - UTILITY DETAILS.dwg

**DESIGN DEVELOPMENT**

NOT FOR CONSTRUCTION

TOWN OF ERIE
ERIE PD - ADDITION & RENOVATION
1000 TELLEEN AVENUE, ERIE, COLORADO 80516
UTILITY DETAILS

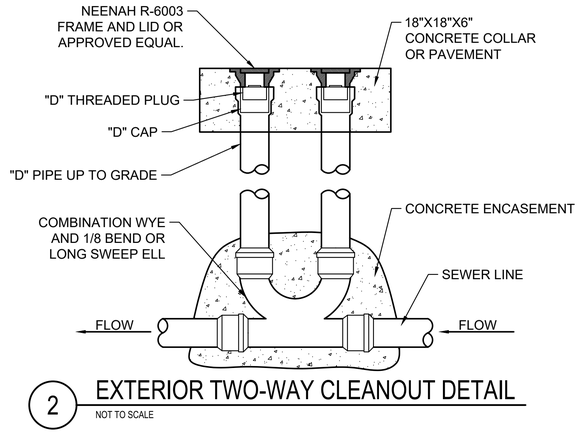
SHEET IDENTIFICATION
C-412




NOTE: "D" = DIAMETER OF PIPE PER PLANS

## 1 CLEANOUT DETAIL

NOT TO SCALE




## 2 EXTERIOR TWO-WAY CLEANOUT DETAIL

NOT TO SCALE




REINFORCEMENT STEEL

| PIPE I.D. | LONGITUDINAL BARS – LOCATION | | |
|---|---|---|---|
| 6 IN. | 4–NO. 4 BARS | 1 EACH | CORNER |
| 8 IN. | 4–NO. 4 BARS | 1 EACH | CORNER |
| 10 IN. | 8–NO. 4 BARS | 3 EACH | SIDE |
| 12 IN. | 8–NO. 4 BARS | 3 EACH | SIDE |
| 15 IN. | 8–NO. 4 BARS | 3 EACH | SIDE |
| 18 IN. | 8–NO. 4 BARS | 3 EACH | SIDE |
| 21 IN. | 12–NO. 4 BARS | 4 EACH | SIDE |
| 24 IN. | 12–NO. 4 BARS | 4 EACH | SIDE |
| 27 IN. | 12–NO. 4 BARS | 4 EACH | SIDE |
| 30 IN. | 12–NO. 4 BARS | 4 EACH | SIDE |
| 33 IN. | 12–NO. 4 BARS | 4 EACH | SIDE |
| 36 IN. | 16–NO. 4 BARS | 5 EACH | SIDE |

NOTE:
THE DISTRICT SHALL REVIEW THIS DETAIL FOR USE ON A CASE BY CASE BASIS. SPECIAL ENCASEMENTS MAY BE REQUIRED AT CREEK CROSSINGS AND CONDUIT CROSSINGS.

The Town of ERIE COLORADO

DRAWING TITLE: CONCRETE ENCASEMENT DETAIL
DRAWING NUMBER: W23
DRAWN BY: D. JENKINS APPROVED BY: G. BEHLEN REV. DATE: 01/2009

D2C ARCHITECTS
PEC
PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
351 LINDEN ST, STE 100
FORT COLLINS, CO 80524
970-232-9558 www.pec1.com

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| MARK | DESCRIPTION | DATE | APPR. |
|---|---|---|---|

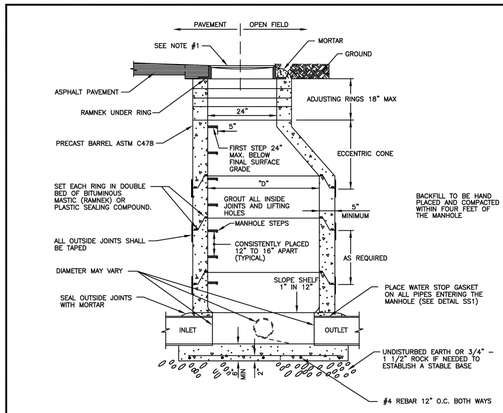
DESIGN BY: NAR
D2C PROJECT NUMBER 202420
DRAWN BY: CJR
SBMT BY: NAR
PLOT SCALE:
ISSUE DATE: OCTOBER 14, 2025
CONSULTANT'S PROJECT # 240687-000
CKD BY: KJB
PLOT DATE: 2/17/2025 10:05:48 AM
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:
FILE NAME: 240687-000-C413 - UTILITY DETAILS.dwg
SIZE: 22" X 34"

**DESIGN DEVELOPMENT**

NOT FOR CONSTRUCTION

TOWN OF ERIE
ERIE PD - ADDITION & RENOVATION
1000 TELLEEN AVENUE, ERIE, COLORADO 80516
UTILITY DETAILS

SHEET IDENTIFICATION
C-413




SECTION B–B

NOTES:

1. FINAL GRADE OF MANHOLE COVERS SHALL BE 1/4" LOWER THAN FINAL STREET.
2. STEPS SHOULD NOT BE PLACED OVER THE FLOW. NO STEPS ALLOWED IN THE ADJUSTING RING AREA.
3. PRECAST CONCRETE SECTIONS SHALL CONFORM TO ASTM C–478.
4. BLOCK–OUTS, WHEN APPROVED, SHALL EXTEND A MAX. OF 6" PAST MANHOLE O.D. AND BE SATISFACTORILY PLUGGED AND SEALED.
5. MANHOLES NOT IN ASPHALT OR CONCRETE SHALL BE RAISED 6" ABOVE FINAL GRADE AND A CONCRETE COLLAR INSTALLED WITH A GREEN CARSONITE POST

The Town of ERIE COLORADO

DRAWING TITLE: STANDARD MANHOLE
DRAWING NUMBER: STM1A
DRAWN BY: D. JENKINS APPROVED BY: G. BEHLEN REV. DATE: 01/2012

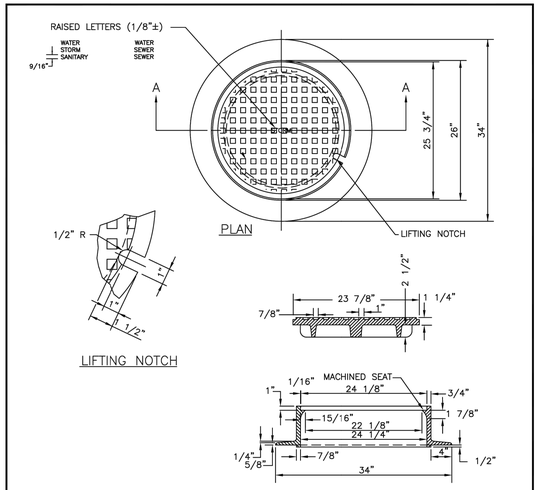



NOTES:

1. FULL TRENCH SECTION IN ROADWAY OR STREET R.O.W. LIMITS WILL REQUIRE 95% S.P.D. TRENCH ZONE ABOVE BEDDING MATERIALS, OUTSIDE OF STREET R.O.W. WILL REQUIRE 90% S.P.D.
2. FILTER FABRIC IS REQUIRED IF STABILIZATION MATERIAL IS USED. THE FABRIC SHALL BE INSTALLED AS SHOWN IN THE DETAIL.
3. TRENCH TO BE BRACED OR SHEETED AS NECESSARY FOR THE SAFETY OF THE WORKMEN AND PROTECTION OF OTHER UTILITIES IN ACCORDANCE WITH APPLICABLE LOCAL, STATE AND FEDERAL SAFETY REGULATIONS.
4. PIPE SHALL BE BEDDED FROM 6" BELOW THE BOTTOM OF THE PIPE TO THE HORIZONTAL CENTERLINE OF THE PIPE. SEE NOTE 7 FOR BEDDING MATERIAL GRADATION.
5. TRENCH WIDTH SHALL NOT BE MORE THAN 24" NOR LESS THAN 12" WIDER THAN THE LARGEST OUTSIDE DIAMETER OF THE PIPE.
6. SHOULD THE TRENCH BE EXCAVATED WIDER THAN ALLOWED, A CONCRETE CRADLE SHALL BE PLACED WITH 2500 P.S.I. CONCRETE FROM TRENCH BOTTOM TO PIPE SPRINGLINE.
7. BEDDING MATERIAL SHALL MEET THE GRADATION OF CDOT "NO.67 COARSE AGGREGATE" AS SPECIFIED IN SECTION 703.02 IN THE LATEST EDITION OF THE CDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".

The Town of ERIE COLORADO

DRAWING TITLE: STORM SEWER TRENCH DETAIL (RCP)
DRAWING NUMBER: STM5
DRAWN BY: D. BORRASTERO APPROVED BY: D. PASIC REV. DATE: 09/2022




SECTION A–A

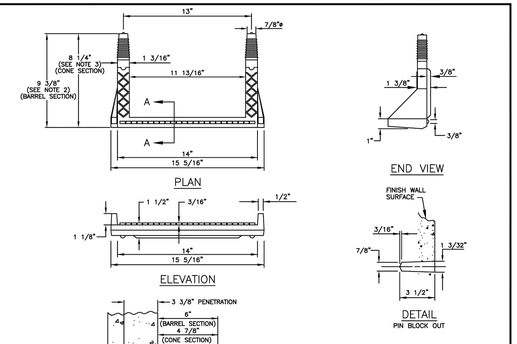
1. CASTING SPECIFICATIONS: ASTM A–48 WITH A MINIMUM TENSILE STRENGTH OF 25 KSI (CLASS 25)
2. ALL CASTINGS TO BE DIPPED IN ASPHALT BASE PAINT (OR APPROVED EQUAL)
3. CASTINGS SHALL BE AS SPECIFIED BELOW OR APPROVED EQUAL:

| MANUFACTURERS | CAT. # |
|---|---|
| NEENAH | R–1706 |
| CASTINGS, INC. | MH–400–24 C.I. |
| HUTCHINSON FDRY. & STL. INC. | MH–400 |

4. ALL NEW MANHOLES MUST INCLUDE A PLASTIC OR VINYL TAG ATTACHED TO THE TOP STEP STATING THE FOLLOWING "CAUTION CONFINED SPACE; ENTRY PERMIT REQUIRED.

The Town of ERIE COLORADO

DRAWING TITLE: 24" MANHOLE RING AND COVER
DRAWING NUMBER: STM1B
DRAWN BY: D. JENKINS APPROVED BY: G. BEHLEN DATE: 1/2015




POLYPROPYLENE REINFORCED PLASTIC STEP

NOTES:

1. ASTM SPECIFICATIONS:
   A. ASTM C–478
   B. ASTM A–615 GRADE 60 (STEEL REBAR).
   C. ASTM 2146–69, TYPE III, GRADE 16906 (POLYPROPYLENE).
2. STEPS INSTALLED IN MANHOLE BARREL SECTIONS OR VERTICAL WALLS OF STRUCTURES SHALL HAVE A 9 3/8 INCH LEG AND SHALL PROJECT FROM THE WALL 6 INCHES.
3. STEPS INSTALLED IN MANHOLE CONE SECTIONS SHALL HAVE AN 8 1/4 INCH LEG AND SHALL PROJECT FROM THE WALL 4 7/8 INCHES.
4. ALL STEPS SHALL HAVE A PENETRATION DEPTH INTO THE WALL OF 3 3/8 INCHES.
5. STEPS SHALL BE INSTALLED BY THE "PRESS–FIT" METHOD UTILIZING A SPECIALLY TAPERED PIN TO FORM THE INSERT HOLE AS SHOWN, FOLLOWING MANUFACTURER'S RECOMMENDED PROCEDURE AND SHALL NOT BE GROUTED IN PLACE.
6. INSTALLED STEPS SHALL BE CAPABLE OF WITHSTANDING A PULL OUT FORCE OF 2500 LB. PER LEG FOR A MINIMUM PERIOD OF TWO MINUTES.
7. PINS MUST BE SMOOTH AND CONTINUOUSLY TAPERED. DIMENSIONS OF THE PIN AND THE INSERTED PORTION OF THE MANHOLE STEP ARE TYPICAL ONLY. W.M.D. INSTALLATIONS REQUIRE A MATCHED COMBINATION OF A TAPERED INSERT PIN AND MANHOLE STEP, AS RECOMMENDED OR REQUIRED BY SPECIFIC MANUFACTURER OF THE STEP TO BE USED.
8. THIS STEP CAN ALSO BE USED IN TOE POCKET INSTALLATIONS PROVIDED 5" TOE CLEARANCE IS ALLOWED.

The Town of ERIE COLORADO

DRAWING TITLE: MANHOLE STEPS
DRAWING NUMBER: STM2
DRAWN BY: D. JENKINS APPROVED BY: G. BEHLEN DATE: 06/2004

D2C ARCHITECTS
PEC
PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
351 LINDEN ST, STE 100
FORT COLLINS, CO 80524
970-232-9558 www.pec1.com

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| MARK | DESCRIPTION | DATE | APPR. |
|---|---|---|---|

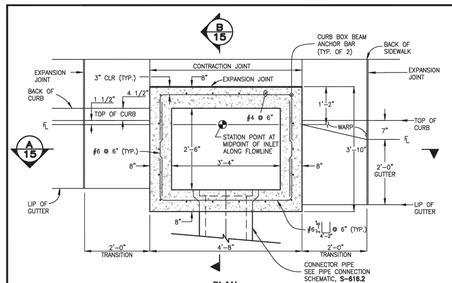
ISSUE DATE: OCTOBER 14, 2025
CONSULTANT'S PROJECT # 240667-000
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:
DESIGN BY: NAR
D2C PROJECT NUMBER 202420
DRAWN BY: CJR
CKD BY: KJB
SBMT BY: NAR
PLOT DATE: 2/17/2025 10:05:48 AM
PLOT SCALE:
SIZE: 22" X 34"
FILE NAME: 240667-000-C414 - STORM DETAILS.dwg

**DESIGN DEVELOPMENT**

NOT FOR CONSTRUCTION

TOWN OF ERIE
ERIE PD - ADDITION & RENOVATION
1000 TELLEEN AVENUE, ERIE, COLORADO 80516
STORM DETAILS

SHEET IDENTIFICATION
C-414




**PLAN**
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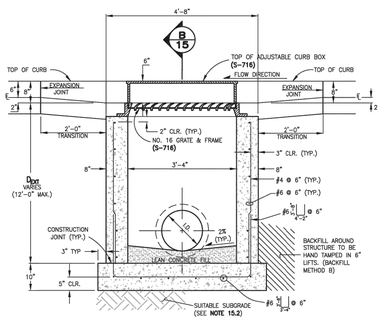


**SECTION**
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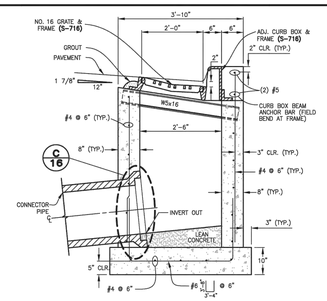



**B SECTION (TYPICAL, ALL SIZES)**
NO SCALE

**SINGLE NUMBER 16 INLET NOTES:**

15.1 FOR PAYMENT PURPOSES, INLET STRUCTURES SHALL ALSO INCLUDE 2'-0" CURB & GUTTER TRANSITION SECTION AT EACH END OF INLET PLUS SIDEWALK SECTIONS WHERE REQUIRED BEHIND INLET STRUCTURE AND TRANSITION SECTIONS.

15.2 SUB-GRADE SHALL BE 6-12" OF CLASS B BEDDING COMPACTED PER WCPM STANDARD CONSTRUCTION SPECIFICATIONS, ON SUITABLE, UNDISTURBED MATERIAL. IF SUBGRADE IS UNSUITABLE, THE SUBGRADE SHALL BE OVEREXCAVATED AND STABILIZED WITH CLASS B BEDDING PER WCPM STANDARD CONSTRUCTION SPECIFICATIONS.

15.3 FLOOR SLOPE MAY BE POURED MONOLITHIC WITH BASE.

15.4 Sc = SLOPE OF CONNECTOR = 2% MIN.

15.5 UNLESS OTHERWISE SPECIFIED ON THE DRAWINGS OR OTHERWISE APPROVED, ALL NO. 16 INLETS SHALL BE CONSTRUCTED WITH AN ADJUSTABLE CAST IRON CURB BOX **(S-716)**.

15.6 DESIGN CONDITIONS FOR INLET ALLOWS DEPTHS OF 12'-0" (MAX.). FOR INLETS MORE THAN 12'-0" FEET IN DEPTH, SHOP DRAWINGS AND DESIGN ANALYSIS SHALL BE SUBMITTED FOR APPROVAL.

15.7 ALL REINFORCING STEEL SHALL BE ASTM, A-615, GRADE 60 DEFORMED BARS. DIAMETER OF BEND MEASURED ON THE INSIDE OF THE BAR SHALL BE A MINIMUM OF 6 BAR DIAMETER.

15.8 ALL SHALL CONFORM TO AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 8TH EDITION, 2017.

15.9 NO FORMWORK SHALL WORK REMAIN INSIDE STRUCTURE WHEN COMPLETE.

15.10 CONCRETE MIX FOR GUTTER AND ANY ADDED STREET PANELS SHALL MEET CLASS 2 REQUIREMENTS FOR SULFATE RESISTANCE IN ACCORDANCE WITH CDOT STANDARD 601.04 ON STREETS WHERE MAGNESIUM CHLORIDE CHEMICAL DECICERS ARE APPLIED. REFER TO WCPM STANDARD CONSTRUCTION SPECIFICATIONS SECTION 11 FOR REQUIREMENTS FOR SULFATE RESISTANCE IN CONCRETE EXPOSED TO EARTH.

15.11 SPLICING OF REINFORCING STEEL SHALL BE PERMITTED ONLY WHERE DETAILED IN DRAWINGS.

15.12 INLET WALLS SHALL BE FORMED BOTH INSIDE AND OUTSIDE. CASTING OF SIDEWALLS AGAINST EARTH IS NOT PERMITTED.

15.13 LEAN CONCRETE FILL TO BE $F'C = 2000$ PSI. INLET STRUCTURE, LID, STREET CURB AND GUTTER, AND PAVEMENT TO BE $F'C = 4,500$ PSI, MAX W/CM = 0.45 AND AIR ENTRAINED 5% TO 8%. $F'C = 28$ DAY COMPRESSIVE STRENGTH REQUIREMENT FOR MIX DESIGN, FIELD ACCEPTANCE.

15.14 FOR THROUGH STRUCTURES, BENCHES MUST COME TO TOP OF PIPE.

15.15 NO CORNER PENETRATIONS ON STRUCTURE.

15.16 SEE WCPM STANDARD CONSTRUCTION SPECIFICATIONS SECTION 11.04 STORM INLETS FOR MORE INFORMATION. USE OF THIS DETAIL WITHOUT SPECIFICATIONS SHALL BE CONSIDERED NON-COMPLIANT.

15.17 SEE **S-616.2** FOR REBAR PLACEMENT AT WALL PENETRATION DETAIL.

15.18 REFER TO "TRANSPORTATION STANDARDS AND DETAILS FOR THE ENGINEERING DIVISION" FOR ADJACENT ROADWAY AND SIDEWALK DESIGN CRITERIA.

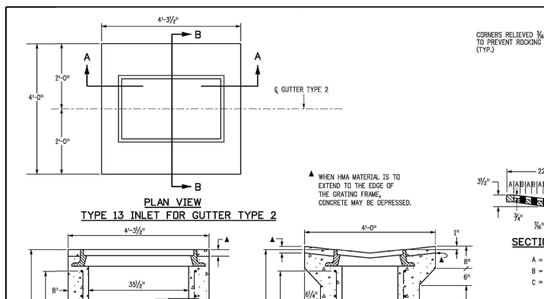
DATE | BY | DESCRIPTION OF REVISIONS

DENVER THE MILE HIGH CITY

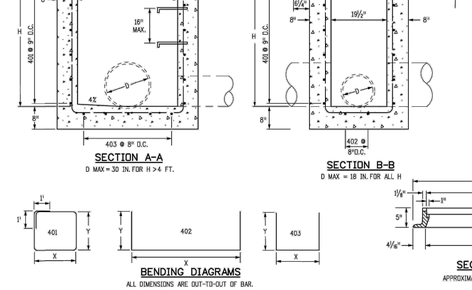
CITY AND COUNTY OF DENVER
2000 W. 3RD AVE. DENVER, CO 80223
www.denvergov.org

STANDARD DETAILS
SINGLE NUMBER 16 INLET
S-616.1

DRAWN BY: —
DESIGNED BY: ASP/JDMT
APPROVED BY: —
DRAWING NO.: 8016.dwg
DATE: JUNE 2020
SHEET NO.: 15



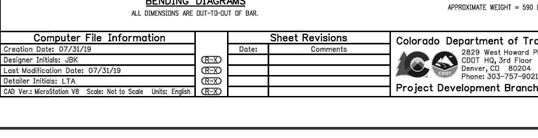

**PLAN VIEW**
**TYPE 13 INLET FOR GUTTER TYPE 2**



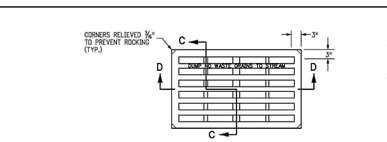

▲ WHEN HMA MATERIAL IS TO EXTEND TO THE EDGE OF THE GRATING FRAME, CONCRETE MAY BE DEPRESSED.

**SECTION A-A**
D MAX = 30 IN. FOR H > 4 FT.

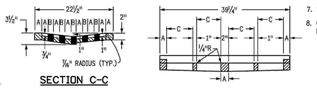
**SECTION B-B**
D MAX = 18 IN. FOR ALL H




**BENDING DIAGRAMS**
ALL DIMENSIONS ARE OUT-TO-OUT OF BAR.



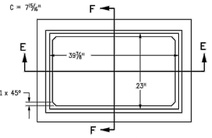

**NO. 13 GRATE**



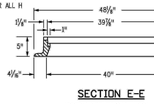

**SECTION C-C**



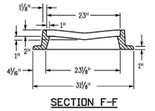

**SECTION D-D**




**NO. 13 GRATING & FRAMES**




**SECTION E-E**
APPROXIMATE WEIGHT = 590 LBS.




**SECTION F-F**

**GENERAL NOTES**

1. CONCRETE SHALL BE CLASS B. INLET MAY BE CAST-IN-PLACE OR PRECAST.
2. CAST-IN-PLACE CONCRETE WALLS SHALL BE FORMED ON BOTH SIDES.
3. EXPOSED CONCRETE CORNERS SHALL BE CHAMFERED ¾" OF A INCH.
4. REINFORCING BARS SHALL BE DEFORMED #4 AND SHALL HAVE A 2 INCH MINIMUM CLEARANCE. ALL REINFORCING BARS SHALL BE GRADE 60 AND EPOXY COATED.
5. STEPS SHALL BE PROVIDED WHEN INLET DIMENSION "H" IS EQUAL TO OR GREATER THAN 3 FEET-6 INCHES AND SHALL CONFORM TO AASHTO M 199.
6. ALL GRATES AND FRAMES SHALL BE GRAY OR DUCTILE CAST IRON IN ACCORDANCE WITH SUBSECTION 712.06. GRATES AND FRAMES SHALL BE DESIGNED TO WITHSTAND HS 20 LOADING.
7. STATION POINT IS AT THE CENTER OF THE INLET.
8. GRATE SHALL HAVE "DUMP NO WASTE DRAINS TO STREAM" MESSAGE CAST ON SURFACE.

| H | CONCRETE | REINFORCING STEEL | NO. OF 401 BARS REQ'D. | MAXIMUM PIPE I.D. | |
|---|---|---|---|---|---|
| | CU. YDS. | @ LB. | | SEC. A-A | SEC. B-B |
| | | | | IN. | IN. |
| 3'-0" | 1.3 | 72 | 4 | 18 | 18 |
| 3'-6" | 1.5 | 76 | 4 | 24 | 18 |
| 4'-0" | 1.6 | 90 | 5 | 30 | 18 |
| 4'-6" | 1.8 | 104 | 6 | 30 | 18 |
| 5'-0" | 1.9 | 109 | 6 | 30 | 18 |
| 5'-6" | 2.1 | 122 | 7 | 30 | 18 |
| 6'-0" | 2.2 | 136 | 8 | 30 | 18 |
| 6'-6" | 2.4 | 141 | 8 | 30 | 18 |
| 7'-0" | 2.5 | 154 | 9 | 30 | 18 |
| 7'-6" | 2.7 | 168 | 10 | 30 | 18 |
| 8'-0" | 2.8 | 173 | 10 | 30 | 18 |
| 8'-6" | 3.0 | 187 | 11 | 30 | 18 |
| 9'-0" | 3.1 | 200 | 12 | 30 | 18 |
| 9'-6" | 3.3 | 205 | 12 | 30 | 18 |
| 10'-0" | 3.4 | 219 | 13 | 30 | 18 |

H INCLUDES 12 FOR OVERRUN.
NOTE: CONCRETE QUANTITIES INCLUDE VOLUME OCCUPIED BY PIPE.

**QUANTITIES FOR ONE INLET**

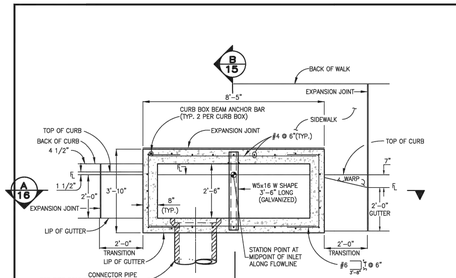
| MARK | NO. REQ'D. | DIMENSIONS X | DIMENSIONS Y | LENGTH |
|---|---|---|---|---|
| 401 | 4 | 3'-6" | 2'-2" | 13'-4" |
| 402 | 2 | 3'-4½" * | 2'-6½" * | 8'-5½" * |
| 403 | 5 | 2'-9½" | 2'-7" | 7'-9½" |

ADD 6 IN. TO THIS DIMENSION FOR EACH 6 IN. INCREASE OF "H" OVER 3 FT.-0 IN.

**BAR LIST FOR H = 3 FT.-0 IN.**

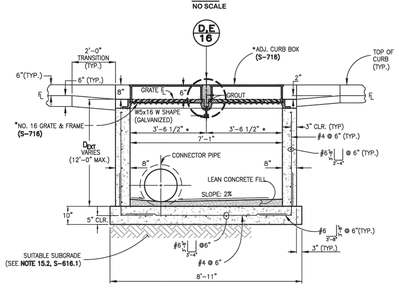
| Computer File Information | | Sheet Revisions | | Colorado Department of Transportation | STANDARD PLAN NO. |
|---|---|---|---|---|---|
| Creation Date: 07/31/19 | | Date: | Comments: | 2829 West Howard Place | M-604-13 |
| Designer Initials: JBK | (R-X) | | | CDOT HQ, 3rd Floor | Standard Sheet No. 1 of 1 |
| Last Modification Date: 07/31/19 | (R-X) | | | Denver, CO 80204 | |
| Detailer Initials: LTA | (R-X) | | | Phone: 303-757-9021 FAX: 303-757-9868 | |
| CAD Ver.: MicroStation V8 Scale: Not to Scale Units: English | (R-X) | | | Project Development Branch JBK | Project Sheet Number: |

**CONCRETE INLET TYPE 13**
Issued by the Project Development Branch: July 31, 2019

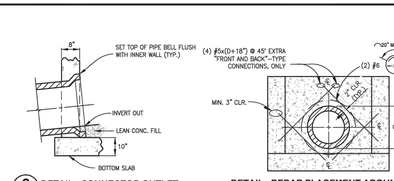



**6" VERTICAL CURB AND GUTTER** | **COMBINATION CURB GUTTER AND SIDEWALK**

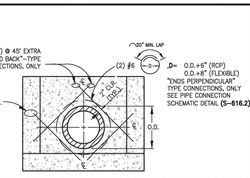
**PLAN**
NO SCALE



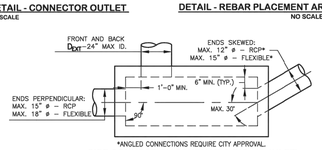

**A SECTION**
NO SCALE




**C DETAIL - CONNECTOR OUTLET**
NO SCALE

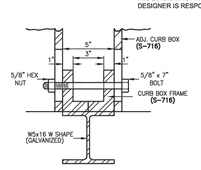



**DETAIL - REBAR PLACEMENT AROUND CONNECTOR PIPE**
NO SCALE

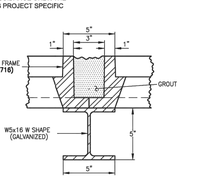



*ANGLED CONNECTIONS REQUIRE CITY APPROVAL.

**PIPE CONNECTION SCHEMATIC (NO. 16 INLET)**
THIS DIAGRAM IS PROVIDED FOR GENERAL GUIDANCE ONLY. THE DESIGNER IS RESPONSIBLE FOR VERIFYING PROJECT SPECIFIC GEOMETRY.




**D DETAIL - PLACEMENT OF ADJ. CURB BOX ON SUPPORT RAIL (TYP.)**
NO SCALE




**E DETAIL - FRAME PLACEMENT ON SUPPORT RAIL (TYP.)**
NO SCALE

**DOUBLE NUMBER 16 INLET NOTES:**

16.1 SEE DETAIL SPECIFICATIONS SECTION 11.05 STORM INLETS FOR MORE INFORMATION. USE OF THIS DETAIL WITHOUT SPECIFICATIONS SHALL BE CONSIDERED NON-COMPLIANT.

16.2 SEE GENERAL NOTES ON **S-616.1.**

16.3 EXPANSION JOINT MATERIAL SHALL BE PLACED FULL DEPTH OF THE CURB AND GUTTER, SIDEWALK, CONCRETE PAVEMENT, AS APPLICABLE. THE TOP PORTION OF THE JOINT SHALL BE SEALED WITH SILICONE SEALANT.

16.4 SEE **S-616.1** FOR REBAR PLACEMENT AT WALL PENETRATION DETAIL.

* STANDARD DETAIL **S-716** APPLIES TO ALL OF THE GRATE & FRAME GEOMETRIC DIMENSIONS FOR THE DOUBLE NUMBER 16 INLET EXCEPT FOR THE FRAME LENGTH. FRAME LENGTH SHOULD BE MANUFACTURED FOR THE DIMENSIONS CALLED OUT ON THIS SHEET.

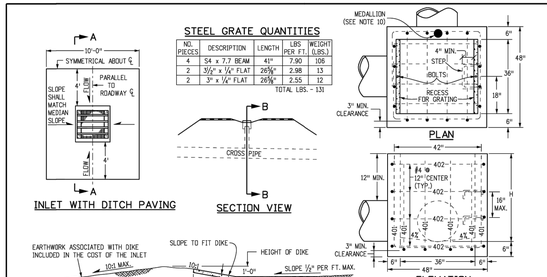
DATE | BY | DESCRIPTION OF REVISIONS

DENVER THE MILE HIGH CITY

CITY AND COUNTY OF DENVER
2000 W. 3RD AVE. DENVER, CO 80223
www.denvergov.org

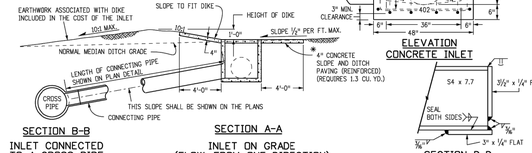
STANDARD DETAILS
DOUBLE NUMBER 16 INLET
S-616.2

DRAWN BY: —
DESIGNED BY: ASP/JDMT
APPROVED BY: —
DRAWING NO.: 8016.dwg
DATE: JUNE 2020
SHEET NO.: 16




**STEEL GRATE QUANTITIES**

| NO. PIECES | DESCRIPTION | LENGTH | LBS PER FT. | WEIGHT (LBS.) |
|---|---|---|---|---|
| 4 | S4 x 7.7 BEAM | 41" | 7.90 | 105 |
| 2 | 3½" x ¼" FLAT | 26⅝" | 2.98 | 13 |
| 2 | 3" x ¼" FLAT | 26⅝" | 2.55 | 12 |
| TOTAL LBS. = 131 | | | | |

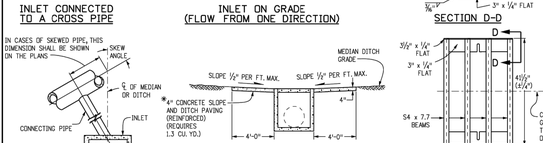



**SECTION B-B**
**INLET CONNECTED TO A CROSS PIPE**

**SECTION A-A**
**INLET ON GRADE (FLOW FROM ONE DIRECTION)**




**SECTION D-D**




**INLET CONNECTED TO A SKEWED CROSS PIPE**

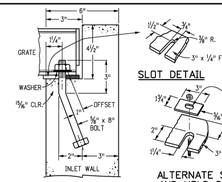
**SECTION A-A**

*CONCRETE SLOPE AND DITCH PAVING WILL BE REQUIRED WHEN SHOWN ON THE PLANS.

**INLET AT BOTTOM OF VERTICAL CURVE (FLOW FROM TWO DIRECTIONS)**




**STANDARD INLET GRATE**




**GRATE INSTALLATION DETAIL**



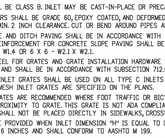

**QUANTITIES FOR ONE INLET**

| H | CONCRETE (CU. YDS.) | STEEL (LBS.) | NO. STEPS REQ'D. |
|---|---|---|---|
| 2'-6" | 1.0 | 76 | 0 |
| 3'-0" | 1.1 | 81 | 0 |
| 3'-6" | 1.2 | 97 | 0 |
| 4'-0" | 1.3 | 102 | 1 |
| 4'-6" | 1.5 | 117 | 2 |
| 5'-0" | 1.6 | 123 | 2 |
| 5'-6" | 1.7 | 138 | 2 |
| 6'-0" | 1.9 | 143 | 3 |
| 6'-6" | 2.0 | 159 | 3 |
| 7'-0" | 2.1 | 164 | 3 |
| 7'-6" | 2.2 | 180 | 4 |
| 8'-0" | 2.4 | 185 | 4 |
| 8'-6" | 2.5 | 200 | 4 |
| 9'-0" | 2.6 | 206 | 5 |
| 9'-6" | 2.8 | 221 | 5 |
| 10'-0" | 2.9 | 236 | 6 |
| 11'-6" | 3.3 | 252 | 6 |

▼ PIPE INSIDE DIAMETER SHALL BE 30 IN. OR LESS. CONCRETE AND STEEL QUANTITIES ARE FOR ONE ENTIRE INLET BEFORE DEDUCTION FOR VOLUME OCCUPIED BY PIPE. WEIGHT OF STEEL INCLUDES A RING FOR THE MAXIMUM PIPE DIAMETER.

**GENERAL NOTES**

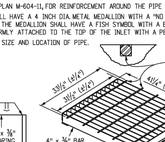
1. INLET TYPE C IS NOT HS-20 RATED AND SHALL NOT BE PLACED IN PAVED ROADWAYS. THIS INLET SHALL BE USED ONLY OUTSIDE PAVED ROADWAYS.
2. CONCRETE SHALL BE CLASS B. INLET MAY BE CAST-IN-PLACE OR PRECAST.
3. REINFORCING BARS SHALL BE GRADE 60, EPOXY COATED, AND DEFORMED #4, AND SHALL HAVE A MIN. 2 INCH CLEARANCE. CUT OR BEND AROUND PIPES AS REQUIRED.
4. CONCRETE SLOPE AND DITCH PAVING SHALL BE IN ACCORDANCE WITH SECTION 607. REINFORCEMENT FOR CONCRETE SLOPE PAVING SHALL BE 6 X 6 - W1.4 X W1.4 OR 6 X 6 - W2.1 X W2.1.
5. STRUCTURAL STEEL FOR GRATES AND GRATE INSTALLATION HARDWARE SHALL BE GALVANIZED, AND SHALL BE IN ACCORDANCE WITH SUBSECTION 712.06.
6. THE STANDARD INLET GRATES SHALL BE USED ON ALL TYPE C INLETS UNLESS CLOSE MESH INLET GRATES ARE SPECIFIED ON THE PLANS.
7. CLOSE MESH GRATES ARE RECOMMENDED WHERE FOOT TRAFFIC OR BICYCLE ROUTES ARE IN CLOSE PROXIMITY TO GRATE. THIS GRATE IS NOT ADA COMPLIANT OR BICYCLE FRIENDLY AND SHALL NOT BE PLACED DIRECTLY IN SIDEWALKS, CROSSWALKS OR BIKE PATHS.
8. STEPS SHALL BE PROVIDED WHEN INLET DIMENSION "H" IS EQUAL TO OR GREATER THAN 3 FEET - 6 INCHES AND SHALL CONFORM TO ASHTO M 199.
9. SEE STANDARD PLAN M-604-11, FOR REINFORCEMENT AROUND THE PIPE OPENING.
10. ALL INLETS SHALL HAVE A 4 INCH DIA METAL MEDALLION WITH A "NO DUMPING DRAINS TO STREAM" MESSAGE ON IT. THE MEDALLION SHALL HAVE A FISH SYMBOL WITH A BLUE BACKGROUND. IT SHALL BE FIRMLY ATTACHED TO THE TOP OF THE INLET WITH A PERMANENT FASTENER.
11. SEE PLANS FOR SIZE AND LOCATION OF PIPE.




**SECTION E-E** | **CLOSE MESH INLET GRATE**

**BAR LIST FOR H = 3 FT.-6 IN. AND BENDING DIAGRAM**

| MARK | NO. REQ'D. | HEIGHT | LENGTH |
|---|---|---|---|
| 401 | 2 | 2'-2½" | 8'-0" |
| 401 | 6 | 2'-7" | 8'-8" |
| 402 | 4 | "U" | 15'-4" |




| Computer File Information | | Sheet Revisions | | Colorado Department of Transportation | STANDARD PLAN NO. |
|---|---|---|---|---|---|
| Creation Date: 07/31/19 | | Date: | Comments: | 2829 West Howard Place | M-604-10 |
| Designer Initials: JBK | (R-X) | | | CDOT HQ, 3rd Floor | Standard Sheet No. 1 of 1 |
| Last Modification Date: 07/31/19 | (R-X) | | | Denver, CO 80204 | |
| Detailer Initials: LTA | (R-X) | | | Phone: 303-757-9021 FAX: 303-757-9868 | |
| CAD Ver.: MicroStation V8 Scale: Not to Scale Units: English | (R-X) | | | Project Development Branch JBK | Project Sheet Number: |

**INLET, TYPE C**
Issued by the Project Development Branch: July 31, 2019

D2C ARCHITECTS
PEC PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
351 LINDEN ST, STE 100
FORT COLLINS, CO 80524
970-232-9558 www.pec1.com

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| DATE | DESCRIPTION | MARK | APPR. |
|---|---|---|---|
| | | | |

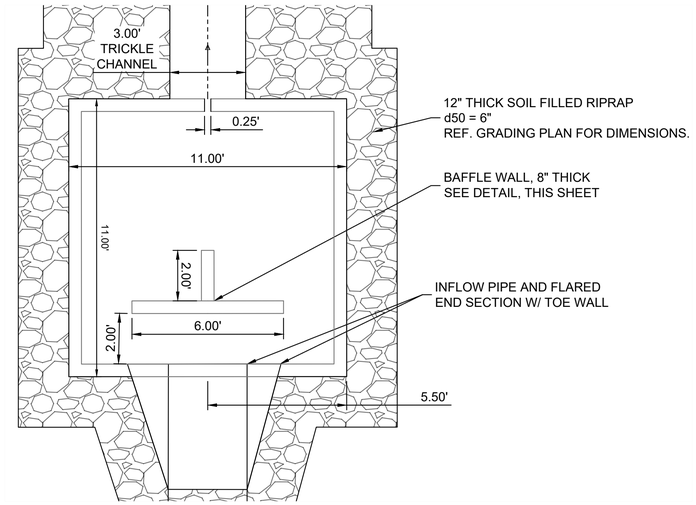
ISSUE DATE: **OCTOBER 14, 2025**
D2C PROJECT NUMBER 202420 | CONSULTANTS PROJECT # 240667-000
DESIGN BY: NAR | DRAWN BY: CJR | CKD BY: KJB | SBMT BY: NAR | PLOT DATE: 2/17/2025 | PLOT SCALE: 10:05:48 AM | SOLICITATION NO.: | CONTRACT NO.: | FILE NUMBER: | SIZE: 22" x 34" | FILE NAME: 240667-000-C415 - STORM DETAILS.dwg

TOWN OF ERIE
**ERIE PD - ADDITION & RENOVATION**
1000 TELLEEN AVENUE, ERIE, COLORADO 80516
STORM DETAILS

**DESIGN DEVELOPMENT**

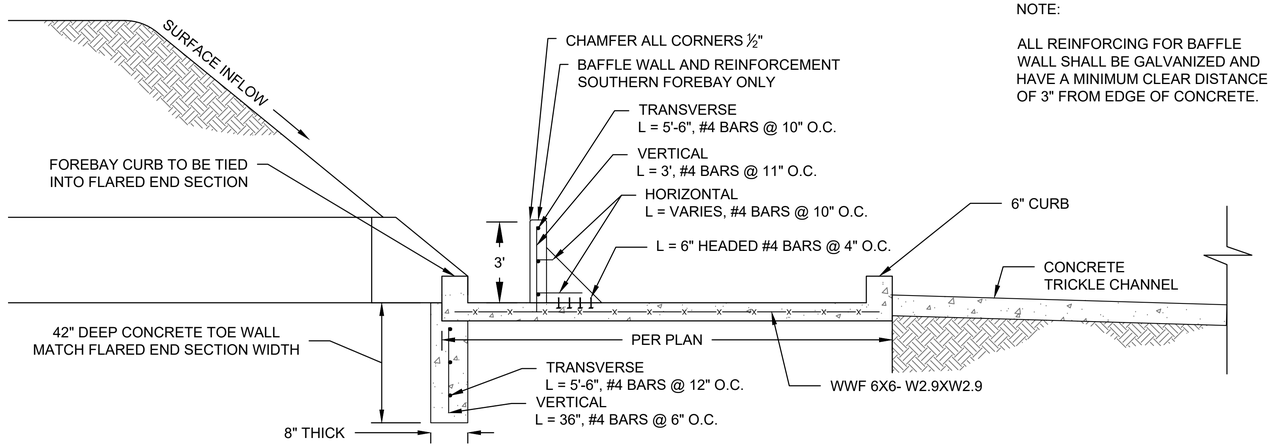
NOT FOR CONSTRUCTION

**SHEET IDENTIFICATION**
C-415




## 1 FOREBAY DETAIL

NOT TO SCALE

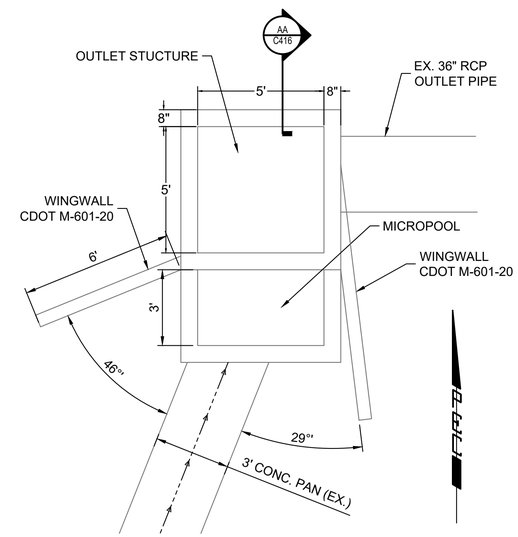



NOTE:

ALL REINFORCING FOR BAFFLE WALL SHALL BE GALVANIZED AND HAVE A MINIMUM CLEAR DISTANCE OF 3" FROM EDGE OF CONCRETE.

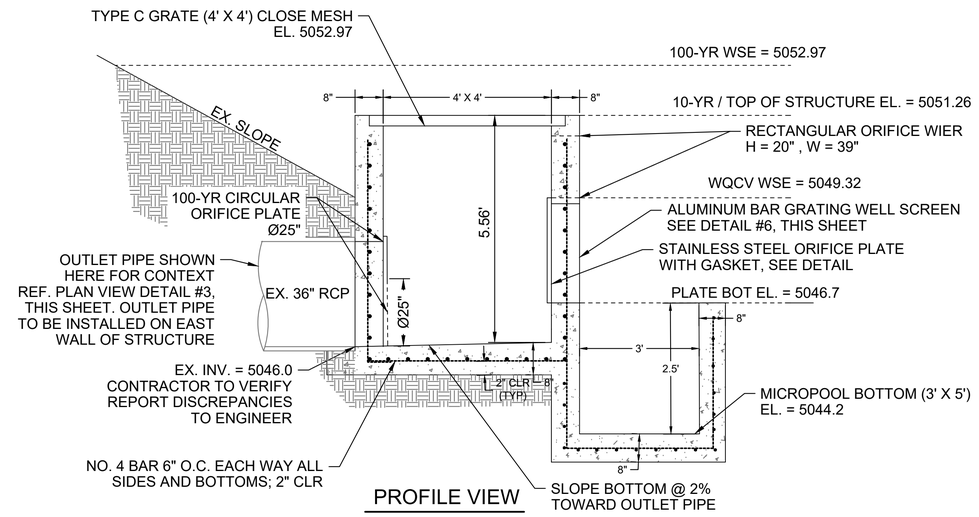
## 2 FOREBAY PROFILE

NOT TO SCALE



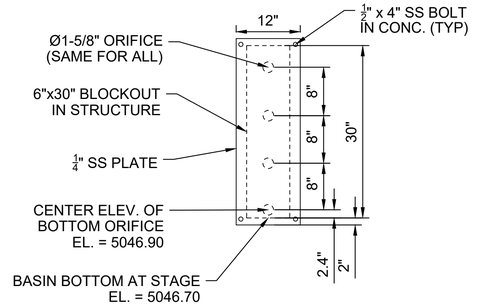

## 3 POND OUTLET STRUCTURE DETAIL

NOT TO SCALE



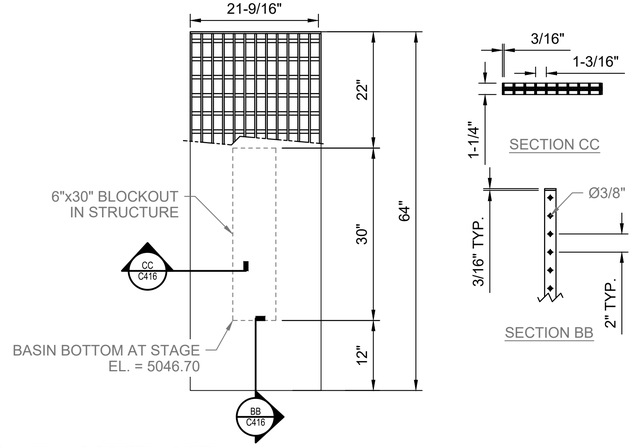

## 4 POND OUTLET STRUCTURE PROFILE (SECTION AA)

NOT TO SCALE




## 5 ORIFICE PLATE DETAIL

NOT TO SCALE




ALUMINUM BAR GRATING NOTES:

MATERIAL: ALULMINUM-6061

COATING: MILL FINISH

19SG2 ALUMINUM BAR GRATE
3/16" x 1-1/4" BEARING BARS
Ø3/8" CROSS RODS TRIM BANDED

## 6 ALUMINUM BAR GRATING WELL SCREEN DETAIL

NOT TO SCALE

D2C ARCHITECTS

PEC
PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
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| MARK | DESCRIPTION | DATE | APPR |
|---|---|---|---|

ISSUE DATE: OCTOBER 14, 2025
CONSULTANT'S PROJECT #: 240667-000
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:
DESIGN BY: NAR
D2C PROJECT NUMBER: 202420
DRAWN BY: CJR
CKD BY: KJB
SBMT BY: NAR
PLOT DATE: 2/17/2025 10:05:48 AM
PLOT SCALE:
SIZE: 22" X 34"
FILE NAME: P:\667\000\C-416 - POND DETAILS.dwg

**DESIGN DEVELOPMENT**

NOT FOR CONSTRUCTION

TOWN OF ERIE
ERIE PD - ADDITION & RENOVATION
1000 TELLEEN AVENUE, ERIE, COLORADO 80516
POND DETAILS

**SHEET IDENTIFICATION**
C-416

# ABBREVIATIONS

| | |
|---|---|
| & | AND |
| ∠ | ANGLE |
| @ | AT |
| ℄ | CENTERLINE |
| ⊏ | CHANNEL |
| Φ | DIAMETER OR ROUND |

## A

| | |
|---|---|
| AD | AREA DRAIN |
| ADD | ADDENDUM |
| ADJ | ADJACENT |
| AGGR | AGGREGATE |
| ALT | ALTERNATE |
| APPROX | APPROXIMATE |
| ARCH | ARCHITECT(URAL) |
| ASPH | ASPHALT |

## B

| | |
|---|---|
| BIT | BITUMINOUS |
| BLDG | BUILDING |
| BOT | BOTTOM |
| BRKT | BRACKET |
| BTWN | BETWEEN |
| BW | BOTTOM OF WALL |

## C

| | |
|---|---|
| C.B. | CATCH BASIN |
| CEM. | CEMENT |
| CF. | CUBIC FOOT/FEET |
| CHAM. | CHAMFER |
| C.J. | CONTROL JOINT |
| CLR. | CLEAR(ANCE) |
| C.M.U. | CONCRETE MASONRY UNIT(S) |
| C.O. | CLEAN OUT |
| COL. | COLUMN |
| COMB. | COMBINATION |
| CONC. | CONCRETE |
| CONSTR. | CONSTRUCTION |
| CONT. | CONTINUOUS |
| CONTR. | CONTRACTOR |
| CY. | CUBIC YARD(S) |

## D

| | |
|---|---|
| DEMO. | DEMOLISH, DEMOLITION |
| DEPT. | DEPARTMENT |
| DET. | DETAIL |
| DIA. | DIAMETER |
| DIM. | DIMENSION |
| DWG. | DRAWING |

## E

| | |
|---|---|
| EA. | EACH |
| E.B. | EXPANSION BOLT |
| E.J. | EXPANSION JOINT |
| EL. | ELEVATION |
| ELEC. | ELECTRICAL |
| ENCL. | ENCLOSURE |
| EQ. | EQUAL |
| EQPT. | EQUIPMENT |

## F

| | |
|---|---|
| FG | FINISH GRADE |
| FIN | FINISH(ED) |
| FL | FLOW LINE |
| FOC | FACE OF CURB |

## G

| | |
|---|---|
| GA | GAUGE |
| GALV | GALVANIZED |
| GC | GENERAL CONTRACT(OR) |
| GLU LAM | GLUE LAMINATED |
| GND | GROUND |
| GR | GRADE |

## H

| | |
|---|---|
| H.D. | HEAVY DUTY |
| HDR. | HEADER |
| HT. | HEIGHT |
| HORIZ. | HORIZONTAL |
| HP | HIGH POINT |

## I

| | |
|---|---|
| I.B.C. | INSTALLED BY CONTRACTOR |
| I.B.O. | INSTALLED BY OTHERS |
| I.D. | INSIDE DIAMETER/DIMENSION |
| INCL. | INCLUD(ED), (ING), (SIVE) |

## J

| | |
|---|---|
| JST. | JOIST |
| JT. | JOINT |

## K

| | |
|---|---|
| K.J. | KEYED JOINT |

## L

| | |
|---|---|
| L.P. | LOW POINT |
| LT. | LIGHT |
| LWT. | LIGHTWEIGHT |

## M

| | |
|---|---|
| MAX. | MAXIMUM |
| MECH. | MECHANICAL |
| MET. | METAL |
| MFR. | MANUFACTURER |
| MH. | MANHOLE |
| MIN. | MINIMUM |
| MISC. | MISCELLANEOUS |
| MTD. | MOUNTED |

## N

| | |
|---|---|
| N.I.C. | NOT IN CONTRACT |
| NO., # | NUMBER |
| NOM. | NOMINAL |
| N.T.S. | NOT TO SCALE |

## O

| | |
|---|---|
| O.C. | ON CENTER |
| O.D. | OUTSIDE DIAMETER/DIMENSION |
| OPP. | OPPOSITE |

## P

| | |
|---|---|
| P.L. | PROPERTY LINE |
| PRCST. | PRECAST |
| PT. | POINT |
| P.V.C. | POLYVINYL CHLORIDE |
| PVMT. | PAVEMENT |

## R

| | |
|---|---|
| RAD. | RADIUS |
| R.B. | REINFORCING BAR(S) |
| R.D. | ROOF DRAIN |
| REF. | REFERENCE |
| REINF. | REINFORCES, REINFORCING |
| REQ. | REQUIRED |
| RESIL. | RESILIENT |

## S

| | |
|---|---|
| SC. | SCALE |
| SCHED. | SCHEDULE |
| SCR. | SCREEN |
| SECT. | SECTION |
| SF. | SQUARE FOOT (FEET) |
| SHT. | SHEET |
| SIM. | SIMILAR |
| SL. | SLOPE |
| SQ. | SQUARE |
| SST., S/S | STAINLESS STEEL |
| STA. | STATION |
| STD. | STANDARD |
| STL. | STEEL |
| STRCT. | STRUCTURAL |
| SYM. | SYMMETRICAL |

## T

| | |
|---|---|
| TC | TOP OF CURB |
| T.& G. | TONGUE AND GROOVE |
| T.O. | TOP OF |
| TW | TOP OF WALL |
| TYP. | TYPICAL |

## U

| | |
|---|---|
| UNF. | UNFINISHED |
| U.O.N. | UNLESS OTHERWISE NOTED |

## V

| | |
|---|---|
| VERT. | VERTICAL |

## W

| | |
|---|---|
| W/ | WITH |
| W/O | WITHOUT |
| WT. | WEIGHT |
| W.W.M. | WELDED WIRE MESH |

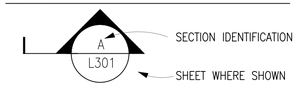
# TYPICAL SYMBOLS AND INDICATORS

## MATERIAL INDICATIONS

- COMPACTED SUBGRADE
- UNDISTURBED SOIL
- BASE COURSE, SUB-BASE, GRAVEL, CRUSHED ROCK
- SAND, MORTAR
- CONCRETE, CAST IN PLACE
- PRECAST CONCRETE
- BRICK
- CONCRETE MASONRY UNITS
- STEEL
- ASPHALT
- WOOD, FINISH
- WOOD FRAMING THROUGH MEMBER
- WOOD FRAMING INTERRUPTED MEMBER

## REFERENCE INDICATIONS

SECTION




DETAIL

REVISION SYMBOL

## SYMBOLS

- 4336 — EXISTING CONTOUR
- RIGHTS OF WAY/PROPERTY LINE
- EASEMENT

NOTE:

ADDITIONAL ABBREVIATIONS, SYMBOLS AND INDICATORS MAY APPEAR IN THESE DRAWINGS. REFER TO APPROPRIATE SHEETS FOR IDENTIFICATION AND CLARIFICATION. THIS SHEET APPLIES TO L-SERIES DRAWINGS ONLY.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| MARK | DESCRIPTION | DATE | APPR |
|---|---|---|---|

| | | | |
|---|---|---|---|
| DESIGN BY: MSC | ISSUE DATE: **AUGUST 8, 2025** | SOLICITATION NO.: | |
| D2C PROJECT NUMBER 202420 | CONSULTANT'S PROJECT # 240667.000 | CONTRACT NO.: | |
| DRAWN BY: MSC | CKD BY: JB | PLOT DATE: 10/7/25 | FILE NUMBER: |
| SBMT BY: MSC | PLOT SCALE: AS SHOWN | SIZE: 22" x 34" | FILE NAME: |

***FOR PERMIT***

NOT FOR CONSTRUCTION

TOWN OF ERIE

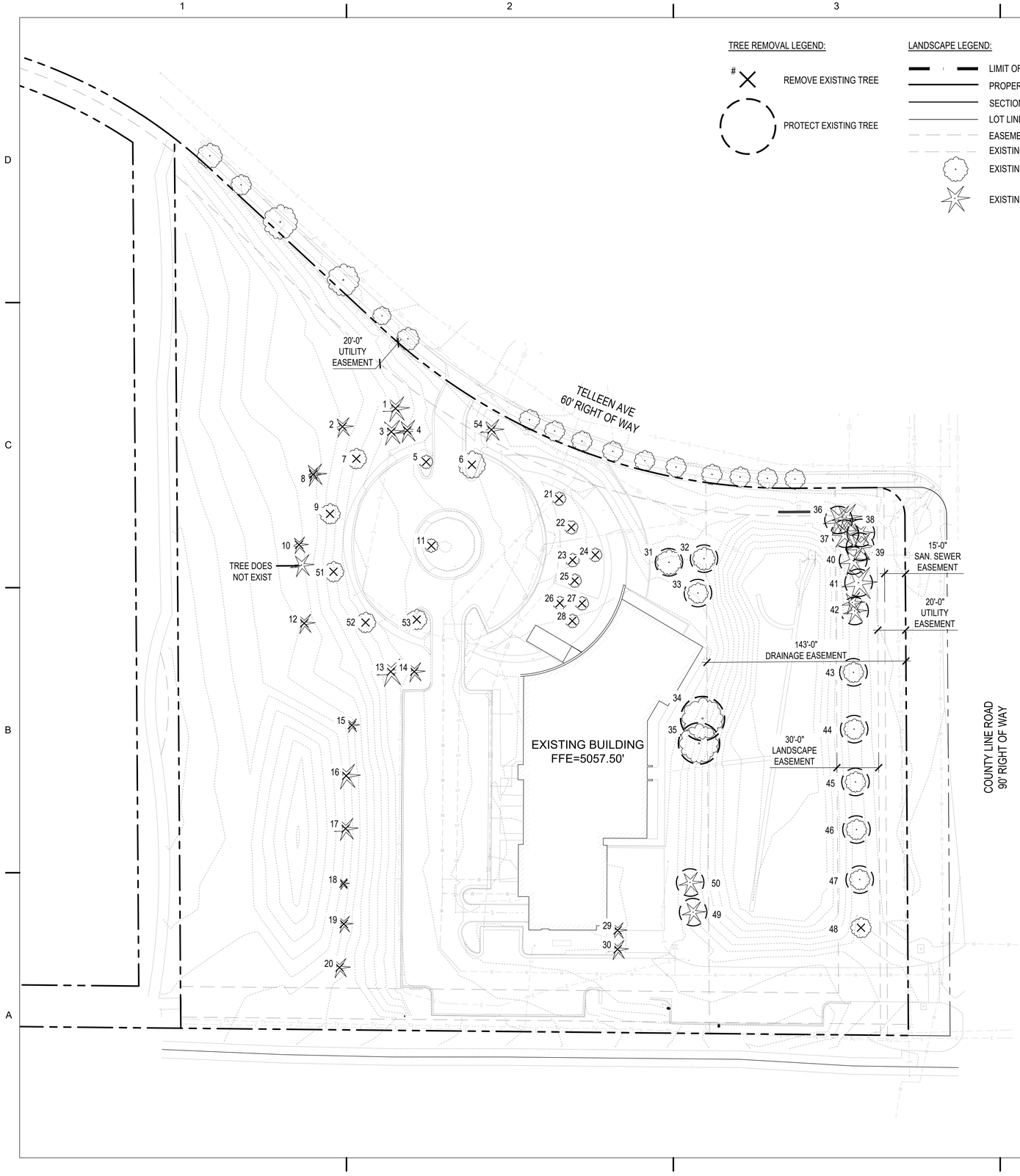
ERIE PD - ADDITION & RENOVATION

1000 TELLEEN AVENUE, ERIE, COLORADO 80516

ABBREVIATIONS AND SYMBOLS

**SHEET IDENTIFICATION**

LS001




TREE PROTECTION AND REMOVAL NOTES:

1. DURING THE CONSTRUCTION STAGE OF DEVELOPMENT, THE APPLICANT SHALL PREVENT THE CLEANING OF EQUIPMENT OR MATERIAL OR THE STORAGE AND DISPOSAL OF WASTE MATERIAL SUCH AS PAINTS, OILS, SOLVENTS, ASPHALT, CONCRETE, MOTOR OIL OR ANY OTHER MATERIAL HARMFUL TO THE LIFE OF A TREE WITHIN THE DRIP LINE OF ANY PROTECTED TREE OR GROUP OF TREES.
2. THE INSTALLATION OF UTILITIES, IRRIGATION LINES OR ANY UNDERGROUND FIXTURE REQUIRING EXCAVATION DEEPER THAN SIX (6) INCHES SHALL BE ACCOMPLISHED BY BORING UNDER THE ROOT SYSTEM OF PROTECTED EXISTING TREES AT A MINIMUM DEPTH OF TWENTY-FOUR (24) INCHES. THE AUGER DISTANCE IS ESTABLISHED FROM THE FACE OF THE TREE (OUTER BARK) AND IS SCALED FROM TREE DIAMETER AT BREAST HEIGHT AS DESCRIBED IN THE CHART BELOW:

| TREE DIAMETER AT BREAST HEIGHT (INCHES) | AUGER DISTANCE FROM FACE OF TREE (FEET) |
|---|---|
| 0-2 | 1 |
| 3-4 | 2 |
| 5-9 | 5 |
| 10-14 | 10 |
| 15-19 | 12 |
| Over 19 | 15 |

3. NO TREES SHALL BE REMOVED DURING THE SONGBIRD NESTING SEASON (FEBRUARY 1 TO JULY 31) WITHOUT FIRST HAVING A PROFESSIONAL ECOLOGIST OR WILDLIFE BIOLOGIST COMPLETE A NESTING SURVEY TO IDENTIFY ANY ACTIVE NESTS EXISTING ON THE PROJECT SITE..
4. ALL EXISTING TREES WITHIN THE R.O.W. ARE TO BE PROTECTED AND RETAINED. CONSTRUCTION ACTIVITIES ARE NOT ANTICIPATED TO IMPACT THESE TREES.
5. HEALTHY TREES HAVING A DIAMETER AT BREAST HEIGHT ("DBH") OF FOUR INCHES OR GREATER FOR DECIDUOUS TREES, THREE INCHES OR GREATER FOR ORNAMENTAL TREES AND EIGHT FEET OR GREATER FOR EVERGREEN TREES SHALL BE PRESERVED TO THE MAXIMUM EXTENT REASONABLY PRACTICABLE. WHERE REMOVAL IS NECESSARY, HEALTHY TREES THAT MEET THE SIZE REQUIREMENT SHALL BE REPLACED BY TREES OF NO LESS THAN TWO-INCH CALIPER, WITH THE TOTAL GROSS CALIPER INCHES OF THE REPLACEMENT TREES BEING ONE AND ONE-HALF TIMES GREATER THAN THE TOTAL CALIPER INCHES OF THOSE TREES REMOVED. TREES REQUIRED TO BE ADDED PER THE LANDSCAPING REQUIREMENTS IN SECTION 10-6-4 OR BY VIRTUE OF DEED RESTRICTIONS SHALL NOT BE CONSIDERED AS REPLACEMENT TREES.

TREE REMOVAL CHART

| NO. | ID # | SPECIES | DIAMETER | CONDITION | ACTION | MITI. REQ'D |
|---|---|---|---|---|---|---|
| 1 | 22970 | BLUE SPRUCE | 5.5" | FAIR (60%) | REMOVE | NO |
| 2 | 22967 | AUSTRIAN PINE | 6" | GOOD (80%) | REMOVE | YES |
| 3 | 22968 | BLUE SPRUCE | 5.5" | FAIR (60%) | REMOVE | NO |
| 4 | 22969 | BLUE SPRUCE | 5.5" | FAIR (60%) | REMOVE | NO |
| 5 | 22990 | DAVID ELM | 4.5" | FAIR (60%) | REMOVE | NO |
| 6 | 22991 | ELM | 9.5" | VERY GOOD (90%) | REMOVE | YES |
| 7 | 22950 | SWAMP WHITE OAK | 4.5" | VERY GOOD (90%) | REMOVE | YES |
| 8 | 22966 | AUSTRIAN PINE | 5.5" | GOOD (80%) | REMOVE | YES |
| 9 | 22951 | SWAMP WHITE OAK | 4" | VERY GOOD (90%) | REMOVE | YES |
| 10 | 22965 | AUSTRIAN PINE | 6" | GOOD (80%) | REMOVE | YES |
| 11 | 22998 | HONEYLOCUST | 4" | FAIR (60%) | REMOVE | NO |
| 12 | 22964 | AUSTRIAN PINE | 1.5" | GOOD (80%) | REMOVE | NO |
| 13 | 22954 | BLUE SPRUCE | 6" | GOOD (80%) | REMOVE | YES |
| 14 | 22955 | BLUE SPRUCE | 6" | FAIR (60%) | REMOVE | NO |
| 15 | 22963 | PINYON PINE | 5" | GOOD (80%) | REMOVE | YES |
| 16 | 22962 | AUSTRIAN PINE | 6.5" | GOOD (80%) | REMOVE | YES |
| 17 | 22961 | AUSTRIAN PINE | 6.5" | GOOD (80%) | REMOVE | YES |
| 18 | 22960 | PINYON PINE | 4" | FAIR (60%) | REMOVE | NO |
| 19 | 22959 | PINYON PINE | 4" | GOOD (80%) | REMOVE | YES |
| 20 | 22958 | AUSTRIAN PINE | 6.5" | GOOD (80%) | REMOVE | YES |
| 21 | 25964 | CHINESE FRINGE TREE | 1.5" | GOOD (80%) | REMOVE | NO |
| 22 | 23316 | OSAGE ORANGE | 2" | GOOD (80%) | REMOVE | NO |
| 23 | 25947 | AMERICAN HORNBEAM | 1" | GOOD (80%) | REMOVE | NO |
| 24 | 22993 | HONEYLOCUST | 3" | FAIR (60%) | REMOVE | NO |
| 25 | 22994 | HARDY RUBBER TREE | 1.5" | FAIR (60%) | REMOVE | NO |
| 26 | 22997 | HONEYLOCUST | 2.5" | FAIR (60%) | REMOVE | NO |
| 27 | 22995 | HONEYLOCUST | 2.5" | FAIR (60%) | REMOVE | NO |
| 28 | 22996 | HONEYLOCUST | 2.5" | FAIR (60%) | REMOVE | NO |
| 29 | 22982 | PINE | 4.5" | GOOD (80%) | REMOVE | YES |
| 30 | 22981 | BOSNIAN PINE | 4.5" | GOOD (80%) | REMOVE | YES |
| 31 | 22989 | PLAINS COTTONWOOD | 10" | FAIR (60%) | PROTECT | YES |
| 32 | 22988 | PLAINS COTTONWOOD | 10.5" | FAIR (60%) | PROTECT | YES |
| 33 | 22987 | PLAINS COTTONWOOD | 11" | FAIR (60%) | PROTECT | YES |
| 34 | 22986 | PLAINS COTTONWOOD | 18" | GOOD (80%) | PROTECT | YES |
| 35 | 22985 | PLAINS COTTONWOOD | 14" | FAIR (60%) | PROTECT | YES |
| 36 | 22971 | BLUE SPRUCE | 8" | GOOD (80%) | PROTECT | YES |
| 37 | 22972 | BLUE SPRUCE | 8" | FAIR (60%) | PROTECT | YES |
| 38 | 22973 | BLUE SPRUCE | 7.5" | GOOD (80%) | PROTECT | YES |
| 39 | 22974 | BLUE SPRUCE | 10" | GOOD (80%) | PROTECT | YES |
| 40 | 22975 | BLUE SPRUCE | 9" | POOR (40%) | PROTECT | YES |
| 41 | 21690 | BLUE SPRUCE | 8.5" | POOR (40%) | PROTECT | YES |
| 42 | 21691 | BLUE SPRUCE | 5.5" | FAIR (60%) | PROTECT | YES |
| 43 | 21692 | ENGLISH OAK | 6.5" | GOOD (80%) | PROTECT | YES |
| 44 | 22976 | ENGLISH OAK | 3.5" | GOOD (80%) | PROTECT | YES |
| 45 | 22977 | ENGLISH OAK | 4" | GOOD (80%) | PROTECT | YES |
| 46 | 22978 | KENTUCKY COFFEETREE | 4" | VERY GOOD (90%) | PROTECT | YES |
| 47 | 22979 | KENTUCKY COFFEETREE | 4" | VERY GOOD (90%) | PROTECT | YES |
| 48 | 22980 | KENTUCKY COFFEETREE | 4" | VERY GOOD (90%) | PROTECT | YES |
| 49 | 22983 | AUSTRIAN PINE | 6.5" | VERY GOOD (90%) | PROTECT | YES |
| 50 | 22984 | AUSTRIAN PINE | 6" | VERY GOOD (90%) | PROTECT | YES |
| 51 | 22952 | SWAMP WHITE OAK | 3.5" | GOOD (80%) | REMOVE | NO |
| 52 | 22953 | SWAMP WHITE OAK | 4" | GOOD (80%) | REMOVE | YES |
| 53 | 22956 | ELM | 9" | VERY GOOD (90%) | REMOVE | YES |
| 54 | 22992 | BLUE SPRUCE | 5.5" | FAIR (60%) | REMOVE | NO |

- TOTAL NUMBER OF TREES TO BE REMOVED AND MITIGATED (36)
- MITIGATION OF TREE REMOVAL MET THROUGH PROPOSED TREE PLANTING. 128.25" OF CALIPER REPLACEMENT REQUIRED, 148" OF CALIPER REPLACEMENT PROVIDED.

40' 0 20' 40' 80' NORTH

D2C ARCHITECTS

RVi

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| MARK | DESCRIPTION | DATE | APPR |
|---|---|---|---|

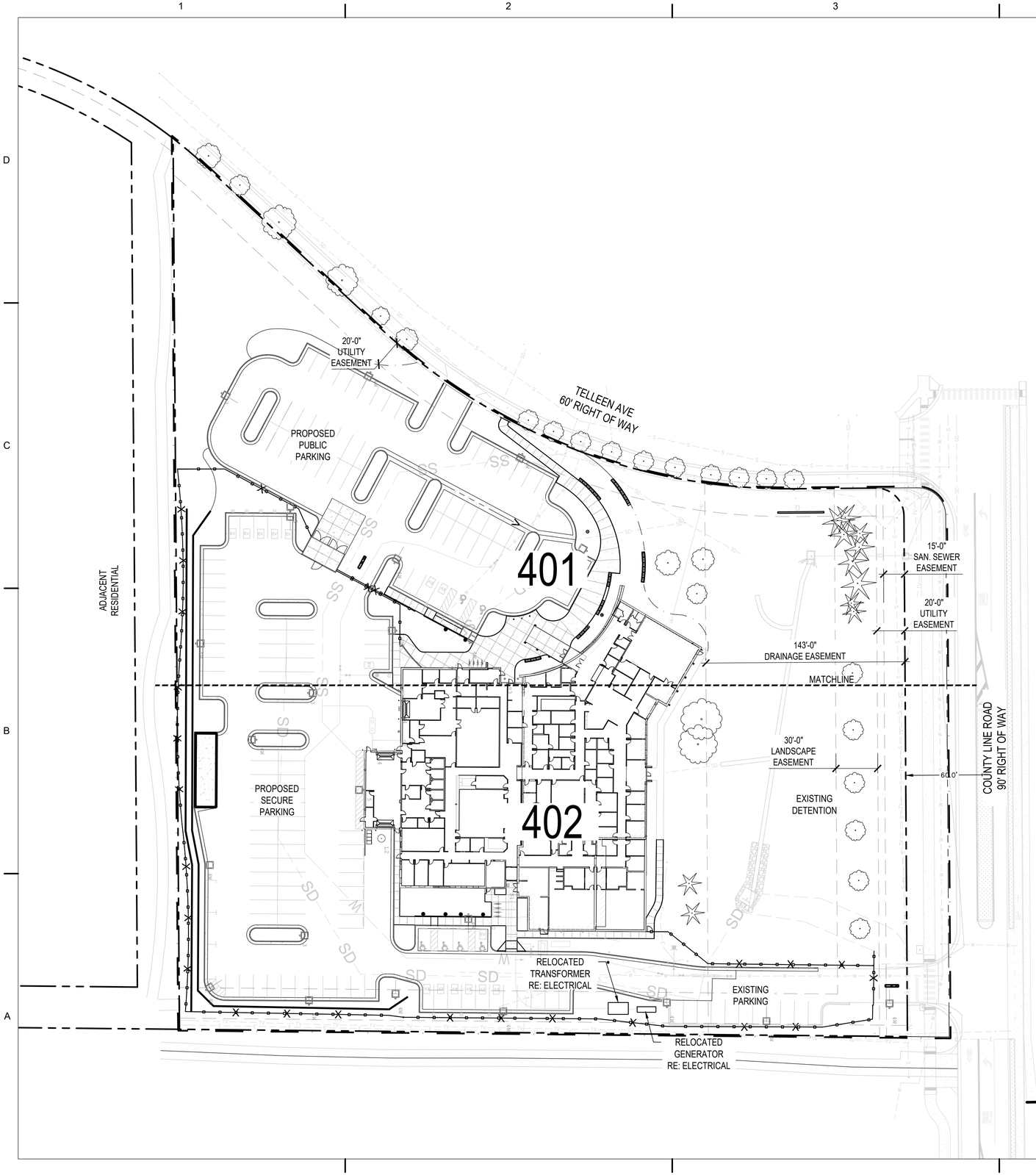
ISSUE DATE: AUGUST 8, 2025
CONSULTANT'S PROJECT # 240667-000
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:
DESIGN BY: MSC
D2C PROJECT NUMBER 202420
DRAWN BY: MSC
CKD BY: JB
PLOT DATE: 10/7/25
SBMT BY: MSC
PLOT SCALE: AS SHOWN
SIZE: 22" x 34"
FILE NAME:

**FOR PERMIT**

NOT FOR CONSTRUCTION

TOWN OF ERIE
# ERIE PD - ADDITION & RENOVATION
1000 TELLEEN AVENUE, ERIE, COLORADO 80516
TREE PROTECTION PLAN

**SHEET IDENTIFICATION**
TP101




SITE PLAN NOTES:

1. CAD FILES AVAILABLE FROM LANDSCAPE ARCHITECT FOR CONSTRUCTION SURVEY PURPOSES.
2. NORTHING AND EASTING (NE) ON ALL RADII INDICATES CENTER POINT OF RADIUS.
3. ALL SHRUB BED EDGES TO BE LAID OUT WITH SMOOTH CURVES TANGENT TO EACH OTHER.
4. BOULDER SEATWALLS TO BE SET PRIOR TO POURING CONCRETE. SEATWALLS TO FUNCTION AS FORMS-REFER TO DETAILS.
5. ALL CONCRETE PAVEMENT JOINTS TO BE SAWCUT AS INDICATED ON PLANS.
6. ALL BOULDER SIZES ARE GENERAL, DUE TO NATURAL APPEARANCE.THE PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FINAL PLANS. AMENDMENTS TO THE PLANS MUST BE REVIEWED AND APPROVED BY THE TOWN PRIOR TO THE IMPLEMENTATION OF ANY CHANGES TO THE PLANS.
7. REFER TO FINAL UTILITY PLANS FOR EXACT LOCATIONS AND CONSTRUCTION INFORMATION FOR STORM DRAINAGE STRUCTURES, UTILITY MAINS AND SERVICES, PROPOSED TOPOGRAPHY, STREET IMPROVEMENTS.
8. ALL ROOFTOP AND GROUND MOUNTED MECHANICAL EQUIPMENT MUST BE SCREENED FROM VIEW FROM ADJACENT PROPERTY AND PUBLIC STREETS. IN CASES WHERE BUILDING PARAPETS DO NOT ACCOMPLISH SUFFICIENT SCREENING, THEN FREE-STANDING SCREEN WALLS MATCHING THE PREDOMINANT COLOR OF THE BUILDING SHALL BE CONSTRUCTED. OTHER MINOR EQUIPMENT SUCH AS CONDUIT, METERS AND PLUMBING VENTS SHALL BE SCREENED OR PAINTED TO MATCH SURROUNDING BUILDING SURFACES.
9. ALL CONSTRUCTION WITH THIS DEVELOPMENT PLAN MUST BE COMPLETED IN ONE PHASE UNLESS A PHASING PLAN IS SHOWN WITH THESE PLANS.
10. ALL EXTERIOR LIGHTING PROVIDED SHALL COMPLY WITH THE FOOT-CANDLE REQUIREMENTS OF THE LAND USE CODE AND SHALL USE A CONCEALED, FULLY SHIELDED LIGHT SOURCE WITH SHARP CUT-OFF CAPABILITY SO AS TO MINIMIZE UP-LIGHT, SPILL LIGHT, GLARE AND UNNECESSARY DIFFUSION.
11. ALL BIKE RACKS PROVIDED MUST BE PERMANENTLY ANCHORED.
12. ALL SIDEWALKS AND RAMPS MUST CONFORM TO TOWN STANDARDS. ACCESSIBLE RAMPS MUST BE PROVIDED AT ALL DESIGNATED ACCESSIBLE PARKING SPACES. ACCESSIBLE PARKING SPACES MUST SLOPE NO MORE THAN 1:48 IN ANY DIRECTION. ALL ACCESSIBLE ROUTES MUST SLOPE NO MORE THAN 1:20 IN DIRECTION OF TRAVEL AND WITH NO MORE THAN 1:48 CROSS SLOPE.
13. COMMON OPEN SPACE AREAS AND LANDSCAPING WITHIN RIGHT OF WAYS, STREET MEDIANS, AND TRAFFIC CIRCLES ADJACENT TO COMMON OPEN SPACE AREAS ARE REQUIRED TO BE MAINTAINED BY A PROPERTY OWNER OF THE COMMON AREA. THE PROPERTY OWNER IS RESPONSIBLE FOR SNOW REMOVAL ON ALL ADJACENT STREET SIDEWALKS AND SIDEWALKS IN COMMON OPEN SPACE AREAS.
14. DESIGN AND INSTALLATION OF ALL PARKWAY/TREE LAWN AND MEDIAN AREAS IN THE RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH TOWN STANDARDS. UNLESS OTHERWISE AGREED TO BY THE TOWN WITH THE FINAL PLANS, ALL ONGOING MAINTENANCE OF SUCH AREAS IS THE RESPONSIBILITY OF THE OWNER/DEVELOPER.
15. ANY DAMAGED CURB, GUTTER AND SIDEWALK EXISTING PRIOR TO CONSTRUCTION, AS WELL AS STREETS, SIDEWALKS, CURBS AND GUTTERS, DESTROYED, DAMAGED OR REMOVED DUE TO CONSTRUCTION OF THIS PROJECT, SHALL BE REPLACED OR RESTORED TO TOWN OF ERIE STANDARDS AT THE DEVELOPER'S EXPENSE PRIOR TO THE ACCEPTANCE OF COMPLETED IMPROVEMENTS AND/OR PRIOR TO THE ISSUANCE OF THE FIRST CERTIFICATE OF OCCUPANCY.

SITE LEGEND:

- 6" CONCRETE STD. GRAY
- LIMIT OF WORK
- PROPERTY LINE
- LOT LINE
- EASEMENT
- PROPOSED FENCE
- EDGER
- BOLLARD
- BIKE RACK

40' 0 20' 40' 80' NORTH

D2C ARCHITECTS

RVi

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| MARK | DESCRIPTION | DATE | APPR |
|---|---|---|---|

| | |
|---|---|
| ISSUE DATE: | AUGUST 8, 2025 |
| CONSULTANT'S PROJECT # | 240667-A000 |
| SOLICITATION NO.: | |
| CONTRACT NO.: | |
| FILE NUMBER: | |
| DESIGN BY: MSC | |
| D2C PROJECT NUMBER 202420 | |
| CKD BY: JB | |
| DRAWN BY: MSC | |
| PLOT DATE: 10/7/25 | |
| SBMT BY: MSC | |
| PLOT SCALE: AS SHOWN | |
| SIZE: 22" x 34" | |
| FILE NUMBER: | |

**FOR PERMIT**

NOT FOR CONSTRUCTION

TOWN OF ERIE

# ERIE PD - ADDITION & RENOVATION

1000 TELLEEN AVENUE, ERIE, COLORADO 80516

## OVERALL SITE PLAN

**SHEET IDENTIFICATION**

LS100

1 2 3 4 5

D

C

B

A

EXISTING LANDSCAPE AREA TO REMAIN

EXISTING TREE LAWN TO REMAIN

EXISTING CURB CUT TO REMAIN

NATIVE SEED

PA

20'-0" UTILITY EASEMENT

24'-0"

10'-0"

PARKING LOT RE: CIVIL

EXISTING TRAIL

NATIVE SEED

18'-0"

10'-0" TYP

EV

R715'-0"

C LS502 FENCE

TRASH ENCLOSURE A LS504

RETAINING WALL RE: CIVIL

SLIDING GATE

18'-0" 24'-0" 20'-0" 20'-0" 36'-0" 20'-0"

PARKING LOT RE: CIVIL

BIKE RACK E LS501

34'-0"

27'-4"

A LS501 CONCRETE PAVEMENT

C LS501 CONCRETE JOINTING

2'-0"

28'-6"

FIRE HYDRANT

BOLLARD D LS501

BOULDER SEATWALL A LS502

R1'-0"

6'-0"

18'-0"

24'-0"

R76'-6"

R92'-6"

21'-0"

TELLEEN AVE
60' RIGHT OF WAY

EXISTING SIDEWALK TO REMAIN

B LS502 RELOCATED FLAG POLE

LAWN

EXISTING WALL TO REMAIN

R68'-6"

R15'-0"

R145'-0"

5'-11"

11'-0"

3'-0"

ENTRANCE

EXISTING DETENTION TO REMAIN

EXISTING WALKWAY TO REMAIN

143'-0"
DRAINAGE EASEMENT

15'-0"
SAN. SEWER
EASEMENT

20'-0"
UTILITY
EASEMENT

COUNTY LINE ROAD
90' RIGHT OF WAY

MATCHLINE: SHEET 401

MATCHLINE: SHEET 402

SITE LEGEND:

- 6" CONCRETE STD. GRAY
- LIMIT OF WORK
- PROPERTY LINE
- LOT LINE
- EASEMENT
- PROPOSED FENCE
- EDGER
- BOLLARD
- BIKE RACK
- BOULDER SEATWALL
- PA PLANTING AREA
- EXISTING DECIDUOUS TREE
- EXISTING EVERGREEN TREE

NOTES:
REFER LS100 FOR SITE PLAN NOTES

20' 0 10' 20' 40' NORTH

D2C ARCHITECTS

RVi

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| MARK | DESCRIPTION | DATE | APPR |
|---|---|---|---|

DESIGN BY: MSC
D2C PROJECT NUMBER: 202420
DRAWN BY: MSC
CKD BY: JB
SBMT BY: MSC
PLOT DATE: 10/7/25
PLOT SCALE: AS SHOWN
SIZE: 22" x 34"
ISSUE DATE: AUGUST 8, 2025
CONSULTANT'S PROJECT #: 240667-000
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:
FILE NAME:

**FOR PERMIT**

NOT FOR CONSTRUCTION

TOWN OF ERIE
ERIE PD - ADDITION & RENOVATION
1000 TELLEEN AVENUE, ERIE, COLORADO 80516
SITE PLAN

SHEET IDENTIFICATION
LS401

SITE LEGEND:

- 6" CONCRETE STD. GRAY
- LIMIT OF WORK
- PROPERTY LINE
- LOT LINE
- EASEMENT
- PROPOSED FENCE
- EDGER
- BOLLARD
- BIKE RACK
- BOULDER SEATWALL
- PA PLANTING AREA
- EXISTING DECIDUOUS TREE
- EXISTING EVERGREEN TREE

NOTES:
REFER LS100 FOR SITE PLAN NOTES

MATCHLINE: SHEET 401

MATCHLINE: SHEET 402

EXISTING TRAIL

R700'-0"

R685'-0"

CONCRETE PAD

RETAINING WALL RE: CIVIL

PARKING LOT RE: CIVIL

19'-3" 8'-0" 24'-0" 20'-0" 20'-0" 24'-0" 18'-0"

10'-0" TYP

24'-0"

23'-0"

18'-0"

C LS502 FENCE

ENTRANCE

E LS501 BIKE RACK

11'-0" TYP 5'-0" TYP

3'-0"

LS502 BOULDER SEATWALL

EX WALKWAY TO REMAIN

143'-0" DRAINAGE EASEMENT

30'-0" LANDSCAPE EASEMENT

20'-0" UTILITY EASEMENT

15'-0" SAN. SEWER EASEMENT

EXISTING LANDSCAPE AREA TO REMAIN

B LS501 COLD JOINT AT EX CONC

A LS501 CONCRETE PAVEMENT

5'-0"

C LS501 CONCRETE JOINTING

EXISTING DETENTION TO REMAIN

COUNTY LINE ROAD
90' RIGHT OF WAY

PARKING LOT RE: CIVIL

RELOCATED TRANSFORMER RE: ELECTRICAL

VEHICLE GATE ACCESS A LS503

EXISTING VEHICULAR ACCESS TO REMAIN

SLIDING GATE

EXISTING LANDSCAPE AREA TO REMAIN

EXISTING LANDSCAPE AREA TO REMAIN

RELOCATED GENERATOR RE: ELECTRICAL

EXISTING DIRT ROAD

20' 0 10' 20' 40'

NORTH

D2C ARCHITECTS

RVi

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| | |
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| ISSUE DATE: | AUGUST 8, 2025 |
| CONSULTANT'S PROJECT # | 240667-000 |
| SOLICITATION NO.: | |
| CONTRACT NO.: | |
| FILE NUMBER: | |
| DESIGN BY: MSC | |
| D2C PROJECT NUMBER | 202420 |
| CKD BY: JB | |
| PLOT DATE: | 10/7/25 |
| DRAWN BY: MSC | |
| SBMT BY: MSC | |
| PLOT SCALE: AS SHOWN | |
| SIZE: 22" x 34" | |
| FILE NAME: | |

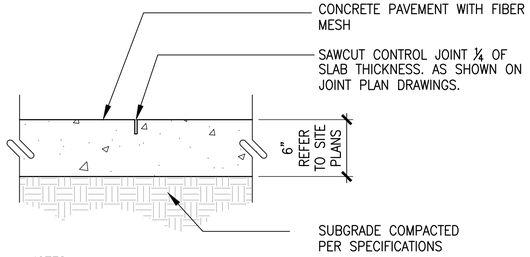
**FOR PERMIT**

NOT FOR CONSTRUCTION

TOWN OF ERIE
# ERIE PD - ADDITION & RENOVATION
1000 TELLEEN AVENUE, ERIE, COLORADO 80516

SITE PLAN

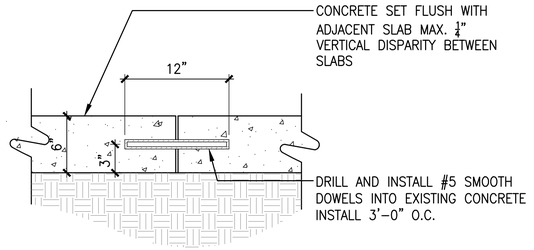
SHEET IDENTIFICATION
LS402




NOTES:
1. EXPANSION JOINTS PLACED PER JOINT PLAN, BUT NO LESS THAN 100' O.C.
2. CONTROL JOINT PLACED PER JOINT PLAN, MAXIMUM SPACING 10'.
3. CONCRETE TO HAVE FINE BROOM FINISH PERPENDICULAR TO CENTERLINE OF PAVING.
4. FINISHED GRADE OF LANDSCAPE AREA TO BE 1" BELOW FINISH GRADE OF CONCRETE (TYPICAL BOTH SIDES).

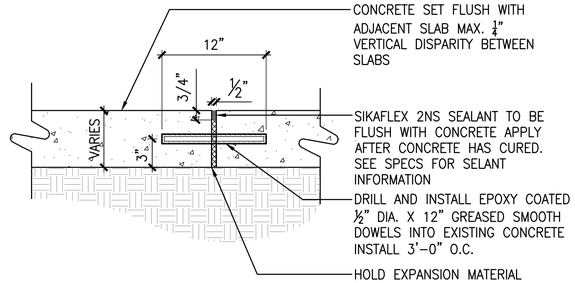
## A CONCRETE PAVEMENT

SCALE: N.T.S. DT-PVMT-CONC



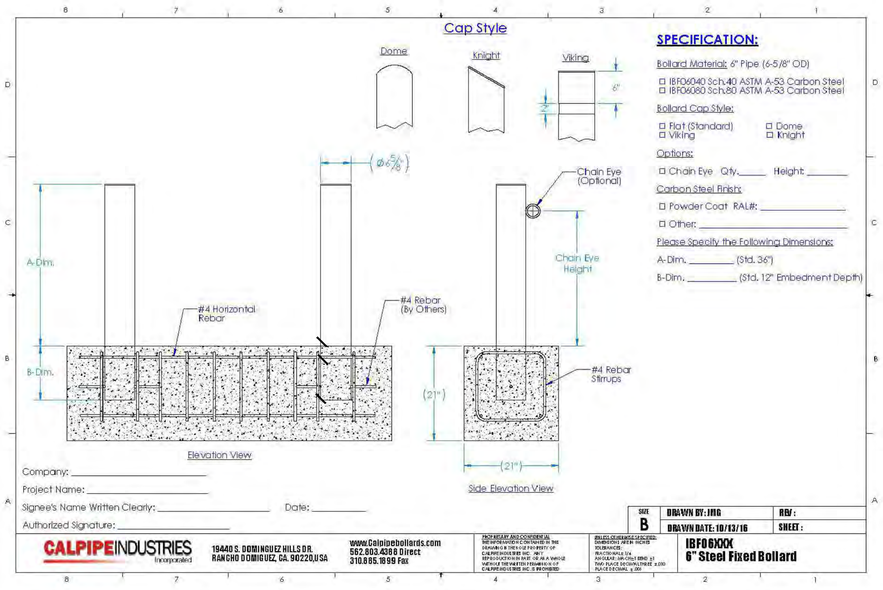

## B COLD JOINT AT EXISTING CONCRETE

SCALE: 1 1/2" = 1'-0"




## C EXPANSION JOINT

SCALE: 1 1/2" = 1'-0"



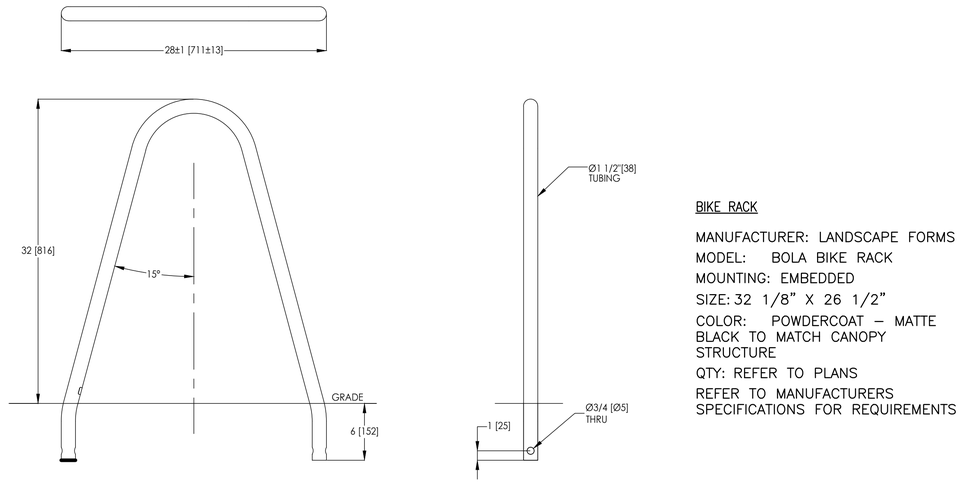

STANDARD BOLLARD
MANUFACTURER: CALPIPE INDUSTRIES
MODEL: IBF06080 6" STEEL FIXED BOLLARD
CAP TYPE: STANDARD FLAT
SIZE: 36" HT. 6" DIA. SCH 80
COLOR: POWDERCOAT – COLOR TBD
– APPLY CLEAR REFLECTIVE TAPE
QTY: REFER TO PLANS
REFER TO MANUFACTURERS SPECIFICATIONS FOR REQUIREMENTS

## D BOLLARD

SCALE: NTS

Bola Bike Rack, Embedded
Product Drawing
www.landscapeforms.com Date: 3/2/2022 Ph: 800.521.2546

OVERALL WIDTH DIMENSION MAY VARY DUE TO MANUFACTURING CAPABILITIES.




BIKE RACK
MANUFACTURER: LANDSCAPE FORMS
MODEL: BOLA BIKE RACK
MOUNTING: EMBEDDED
SIZE: 32 1/8" X 26 1/2"
COLOR: POWDERCOAT – MATTE BLACK TO MATCH CANOPY STRUCTURE
QTY: REFER TO PLANS
REFER TO MANUFACTURERS SPECIFICATIONS FOR REQUIREMENTS

landscapeforms Drawing: 60001-01
Dimensions are in inches [mm]

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## E BIKE RACK

SCALE: NTS

D2C ARCHITECTS
RVi

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| MARK | DESCRIPTION | DATE | APPR |
|---|---|---|---|

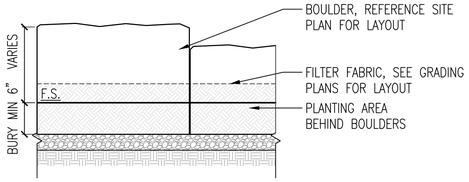
DESIGN BY: MSC
D2C PROJECT NUMBER 202420
DRAWN BY: MSC
SBMT BY: MSC
PLOT SCALE: AS SHOWN
SIZE: 22" x 34"
CKD BY: JB
PLOT DATE: 10/7/25
FILE NAME:
ISSUE DATE: AUGUST 8, 2025
CONSULTANTS PROJECT # 240667-000
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:

**FOR PERMIT**

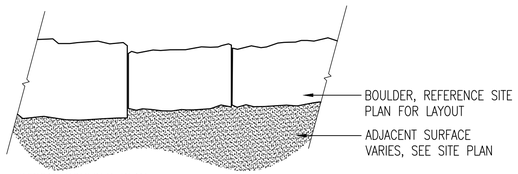
NOT FOR CONSTRUCTION

TOWN OF ERIE
ERIE PD - ADDITION & RENOVATION
1000 TELLEEN AVENUE, ERIE, COLORADO 80516
SITE DETAILS

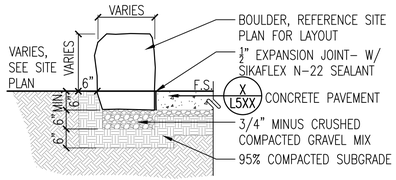
SHEET IDENTIFICATION
LS501




TYPICAL FRONT SECTION




TYPICAL BOULDER PLAN




ADJACENT TO CONCRETE PAVEMENT SECTION

NOTES:

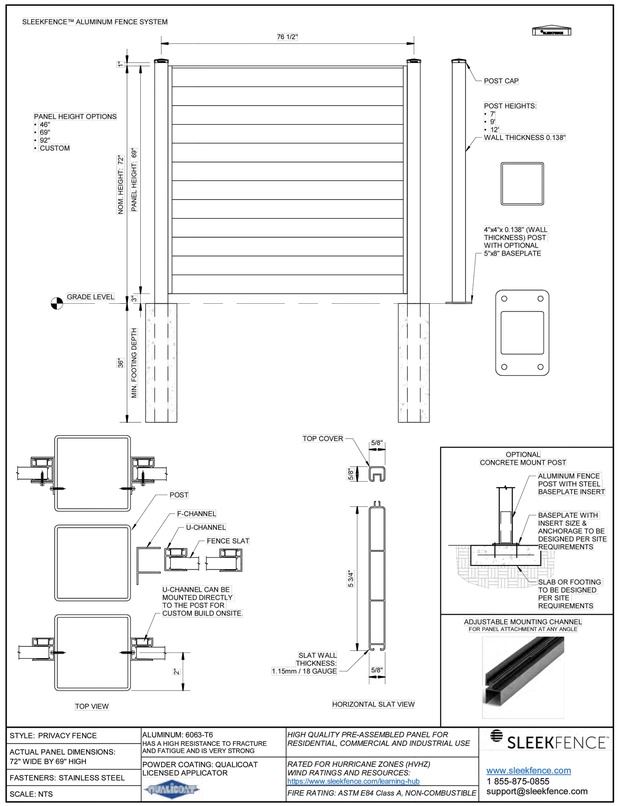
1. STONE BLOCK TO BE USED AS FORM FOR ADJACENT CONCRETE
2. THERE SHALL BE NO MORE THAN A ⅜" MAX GAP BETWEEN TYPICAL
3. THERE SHALL BE NO MORE THAN A 8" MAX GAP FOR DRAINAGE BREAK CONDITIONS
4. ALL BOULDER PLACEMENT SHALL BE DONE UNDER SUPERVISION OF PROJECT LANDSCAPE ARCHITECT
5. USE CAUTION TO AVOID UNDERGROUND UTILITIES

BOULDER SIZING NOTES – TYPICAL ALL BOULDERS:

1. NO BOULDER LENGTH SHALL EXCEED 3'–0" OR BE LESS THAN 1'–6"
2. NO BOULDER WIDTH SHALL EXCEED 2'–0" OR BE LESS THAN 1'–0"
3. NO BOULDER HEIGHT ABOVE FINISH SURFACE SHALL EXCEED 2'–0" OR BE LESS THAN 1'–6"

## A BOULDER SEATWALL

Scale: 1/2" =1'-0"



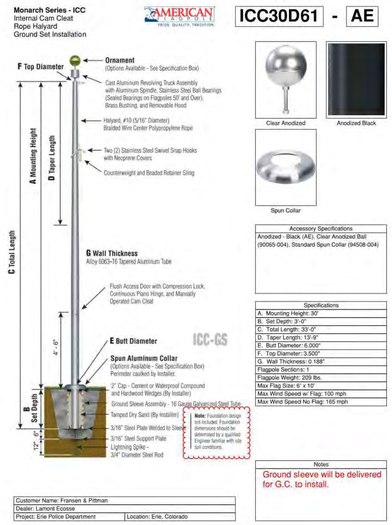

| | | |
|---|---|---|
| STYLE: PRIVACY FENCE | ALUMINUM: 6063-T6 HAS A HIGH RESISTANCE TO FRACTURE AND FATIGUE AND IS VERY STRONG | *HIGH QUALITY PRE-ASSEMBLED PANEL FOR RESIDENTIAL, COMMERCIAL AND INDUSTRIAL USE* |
| ACTUAL PANEL DIMENSIONS: 72" WIDE BY 69" HIGH | POWDER COATING: QUALICOAT LICENSED APPLICATOR | *RATED FOR HURRICANE ZONES (HVHZ) WIND RATINGS AND RESOURCES:* https://www.sleekfence.com/learning-hub |
| FASTENERS: STAINLESS STEEL | | *FIRE RATING: ASTM E84 Class A, NON-COMBUSTIBLE* |
| SCALE: NTS | | |

SLEEKFENCE
www.sleekfence.com
1 855-875-0855
support@sleekfence.com

## C FENCE

SCALE: NTS

STANDARD FENCE
MANUFACTURER: SLEEKFENCE
MODEL: SLEEKFENCE ALUMINUM FENCE SYSTEM, PRIVACY FENCE
SIZE: NOM. HEIGHT: 72", PANEL HEIGHT: 69"
COLOR: WOOD & BLACK POWDER COATING: QUALICOAT LICENSED APPLICATOR
QTY: REFER TO PLANS
FINAL DESIGN TO BE COORDINATED WITH MANUFACTURER




FLAG POLE
MANUFACTURER: AMERICAN FLAGPOLE
MODEL: ICC30D61–AE
SIZE: 33' HT. 3.5" TOP DIA. 6" BOTTOM DIA.
COLOR: COLOR TBD
QTY: REFER TO PLANS
REFER TO MANUFACTURERS SPECIFICATIONS FOR REQUIREA
EXISTING FLAGPOLE TO BE REASSESSED FOR REUSE

## B RELOCATED FLAG POLE

SCALE: NTS

D2C ARCHITECTS
RVi

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| MARK | DESCRIPTION | DATE | APPR |
|---|---|---|---|
| | | | |

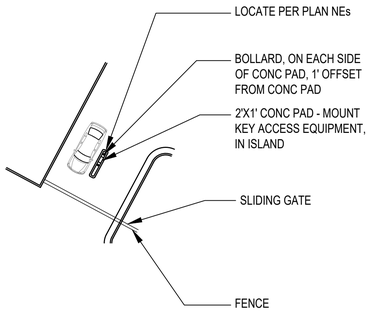
| | |
|---|---|
| DESIGN BY: MSC | ISSUE DATE: AUGUST 8, 2025 |
| D2C PROJECT NUMBER 202420 | CONSULTANT'S PROJECT # 240687-000 |
| DRAWN BY: MSC | CKD BY: JB |
| SBMT BY: MSC | PLOT DATE: 10/7/25 |
| PLOT SCALE: AS SHOWN | SOLICITATION NO.: |
| SIZE: 22" x 34" | CONTRACT NO.: |
| FILE NAME: | FILE NUMBER: |

**FOR PERMIT**

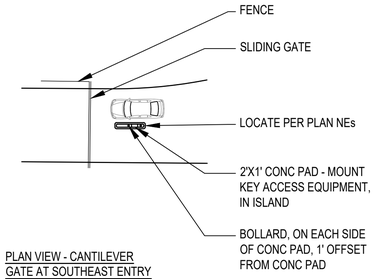
NOT FOR CONSTRUCTION

TOWN OF ERIE
ERIE PD - ADDITION & RENOVATION
1000 TELLEEN AVENUE, ERIE, COLORADO 80516
SITE DETAILS

SHEET IDENTIFICATION
LS502




PLAN VIEW - CANTILEVER
GATE AT NORTHWEST ENTRY




PLAN VIEW - CANTILEVER
GATE AT SOUTHEAST ENTRY

GENERAL NOTES:

1. GATES TO HAVE KNOXBOX PER FIRE DEPARTMENT REQUIREMENTS. LOCKS TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
2. SHOP DRAWINGS TO BE APPROVED BY OWNER PRIOR TO INSTALLATION.
3. GATES TO HAVE REFLECTIVE TAPE INSTALLED PER OWNER DIRECTION.

GATE OPERATOR
MODEL: LIFTMASTER SL3000UL (SLIDE)

QUANITITY: 2 TOTAL, WITH INDIVIDUAL FEATURES

LOCATION: AT NORTHWEST ENTRY AND SOUTHWEST ENTRY

FEATURES:
NORTH ENTRY - KEY PAD WITH TIME CLOCK AND HOLD OPEN FEATURE

SOUTH ENTRY - FOB SCAN AND KEY PAD, REMOTE CONTROL CAPABILITIES

ANS BUILDING - FOB SCAN AND KEY PAD, REMOTE CONTROL CAPABILITIES

NOTE:

- GATE OPERATOR TYPE AND FEATURES TO BE COORDINATED WITH ELECTRICAL AND OWNER PRIOR.
- ALL EQUIPMENT TO BE COORDINATED AND VERIFIED WITH MANUFACTURER.
- CONTRACTOR TO INSTALL PER MANUFACTURER'S SPECIFICATIONS.

## A VEHICLE GATE ACCESS

SCALE: 1/2"=1'0"

D2C ARCHITECTS

RVi

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| MARK | DESCRIPTION | DATE | APPR |
|---|---|---|---|

| | | | |
|---|---|---|---|
| DESIGN BY: MSC | | ISSUE DATE: **AUGUST 8, 2025** | |
| D2C PROJECT NUMBER 202420 | | CONSULTANT'S PROJECT # 240687-000 | |
| DRAWN BY: MSC | CKD BY: JB | SOLICITATION NO.: | |
| SBMT BY: MSC | PLOT DATE: 10/7/25 | CONTRACT NO.: | |
| PLOT SCALE: AS SHOWN | | FILE NUMBER: | |
| SIZE: 22" x 34" | TILE NAME: | | |

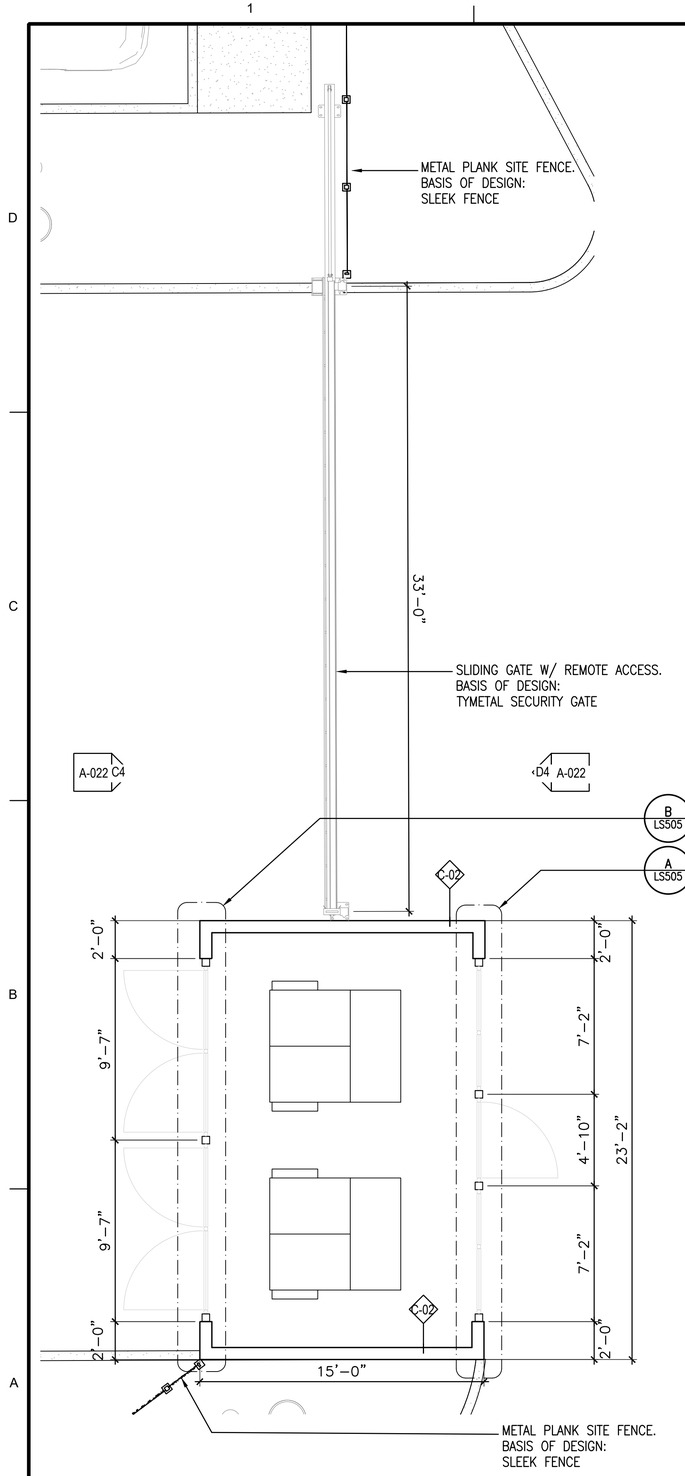
***FOR PERMIT***

NOT FOR CONSTRUCTION

TOWN OF ERIE
# ERIE PD - ADDITION & RENOVATION
1000 TELLEEN AVENUE, ERIE, COLORADO 80516

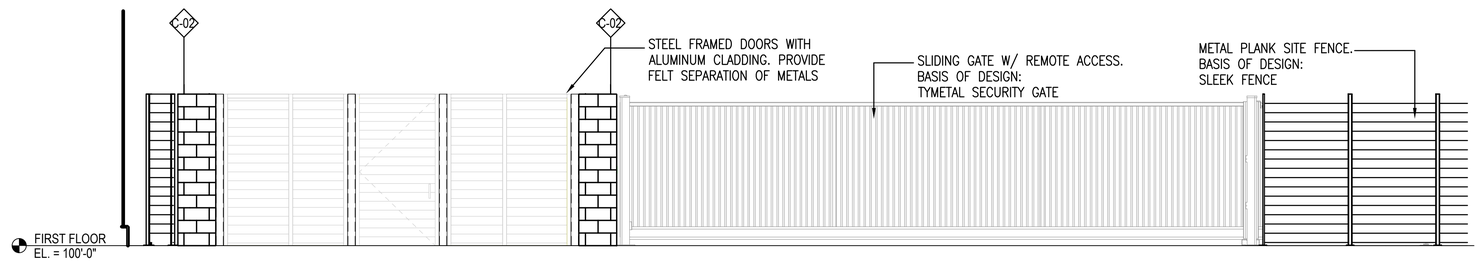
SITE DETAILS

**SHEET IDENTIFICATION**
LS503



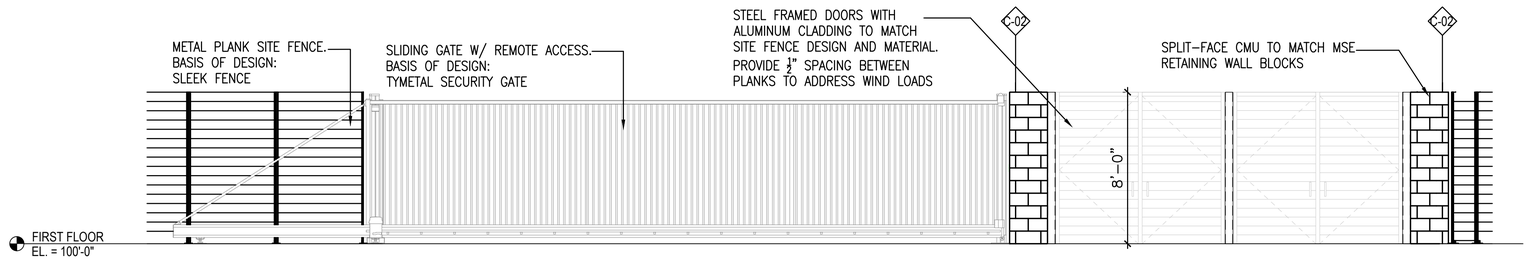

A SITE – ENLARGED GATE ACCESS PLAN

SCALE: 1/4"=1'-0"




B SITE ELEVATION 1 – GATE AND TRASH ENCLOSURE

SCALE: 1/4"=1'-0"




C SITE ELEVATION 2 – GATE AND TRASH ENCLOSURE

SCALE: 1/4"=1'-0"

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| MARK | DESCRIPTION | DATE | APPR |
|---|---|---|---|

DESIGN BY: MSC
D2C PROJECT NUMBER 202420
DRAWN BY: MSC
SBMT BY: MSC
ISSUE DATE: **AUGUST 8, 2025**
CONSULTANTS PROJECT # 240667.000
CKD BY: JB
PLOT DATE: 10/7/25
PLOT SCALE: AS SHOWN
SIZE: 22" x 34"
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:
FILE NAME:

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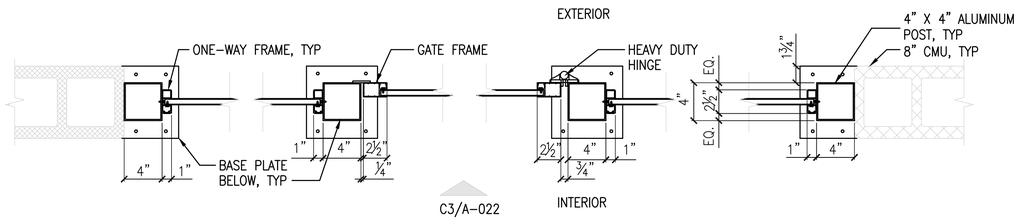
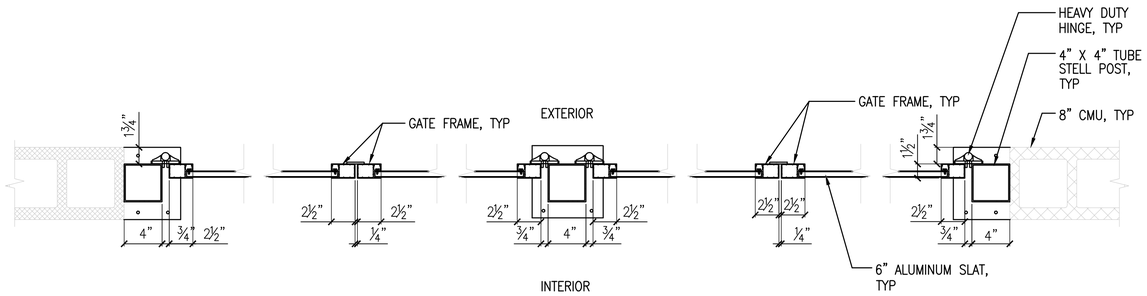
TOWN OF ERIE
ERIE PD - ADDITION & RENOVATION
1000 TELLEEN AVENUE, ERIE, COLORADO 80516
SITE DETAILS

**SHEET IDENTIFICATION**
LS504



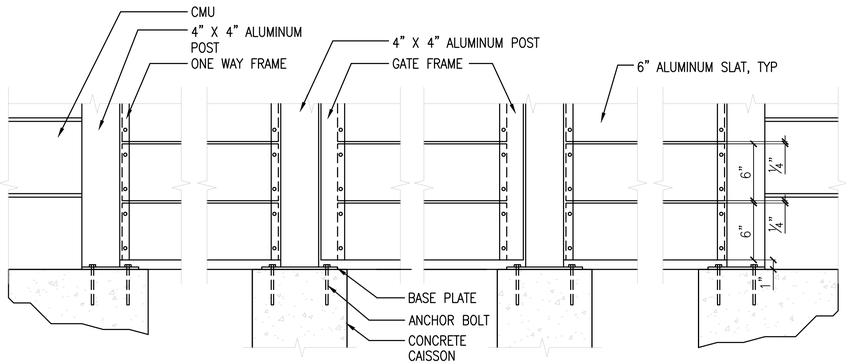

## A ALUMINUM FENCE GATE

SCALE: 1 1/2"=1'-0"




## B TRASH ENCLOSURE GATES

SCALE: 1 1/2"=1'-0"




## C POST ANCHOR DETAIL

SCALE: 1 1/2"=1'-0"

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| MARK | DESCRIPTION | DATE | APPR |
|---|---|---|---|

DESIGN BY: MSC
D2C PROJECT NUMBER 202420
DRAWN BY: MSC
SBMT BY: MSC
CKD BY: JB
PLOT SCALE: AS SHOWN SIZE: 22" x 34"
PLOT DATE: 10/7/25
ISSUE DATE: **AUGUST 8, 2025**
CONSULTANT'S PROJECT # 240687-000
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:
TILE NAME:

**FOR PERMIT**

NOT FOR CONSTRUCTION

TOWN OF ERIE
# ERIE PD - ADDITION & RENOVATION
1000 TELLEEN AVENUE, ERIE, COLORADO 80516
SITE DETAILS

**SHEET IDENTIFICATION**
LS505

**PLANT SCHEDULE**

| SYMBOL | CODE | QTY | BOTANICAL NAME | COMMON NAME | CONT | CAL | SIZE |
|---|---|---|---|---|---|---|---|
| **DECIDUOUS TREES** | | | | | | | |
| | CS | 4 | Catalpa speciosa | Northern Catalpa | B&B | 2" CAL | 40-60' HT |
| | CO2 | 2 | Celtis occidentalis | Common Hackberry | B&B | 2" CAL | 40-60' HT |
| | GI | 4 | Gleditsia triacanthos inermis | Thornless Honey Locust | B&B | 2" Cal. | 40-60' HT |
| | GD2 | 6 | Gymnocladus dioicus 'Espresso' | Kentucky Coffeetree | B&B | 2 1/2" Cal. | 40-50' HT |
| | QMU | 9 | Quercus muehlenbergii | Chinkapin Oak | B&B | 2 1/2" Cal. | 40-60' HT |
| | UA | 9 | Ulmus x 'Morton' | Accolade™ Elm | B&B | 2 1/2" Cal. | 40-45' HT |
| **EVERGREEN TREES** | | | | | | | |
| | JW | 15 | Juniperus scopulorum 'Woodward' | Woodward Columnar Juniper | B&B | 6' HT. | 15-25' HT |
| | PPU | 2 | Picea pungens | Colorado Spruce | B&B | 6' HT. | 40-60' HT |
| | PP | 3 | Pinus edulis | Pinyon Pine | B&B | 6' HT. | 15-20' HT |
| | API | 6 | Pinus nigra | Austrian Pine | B&B | 6' HT. | 40-60' HT |
| **ORNAMENTAL TREES** | | | | | | | |
| | CP2 | 12 | Celtis occidentalis 'JFS-KSU1' | Prairie Sentinel® Hackberry | #20 CONT. | 2 1/2" Cal. | 40-50' HT |

| SYMBOL | CODE | QTY | BOTANICAL NAME | COMMON NAME | CONT | O.C |
|---|---|---|---|---|---|---|
| **DECIDUOUS SHRUBS** | | | | | | |
| | CAR | 3 | Caragana arborescens | Siberian Peashrub | 5 gal. | |
| | CNA | 55 | Chrysothamnus nauseosus | Dwarf Rubber Rabbitbrush | 5 gal. | |
| | CF | 30 | Cornus stolonifera 'Farrow' | Arctic Fire® Red Twig Dogwood | 5 gal. | |
| | PAT | 37 | Perovskia atriplicifolia | Russian Sage | 5 gal. | |
| | PBE | 102 | Prunus besseyi 'P011S' | Pawnee Buttes® Sand Cherry | 5 gal. | |
| | RG | 47 | Rhus aromatica 'Gro-Low' | Gro-Low Fragrant Sumac | 5 gal. | |
| | RT2 | 16 | Rhus trilobata | Three-Leaf Sumac | 5 gal. | |
| | RA2 | 57 | Rhus trilobata 'Autumn Amber' | Autumn Amber Sumac | 5 gal. | |
| | SK | 18 | Syringa pubescens patula `Miss Kim` | MISS KIM LILAC | 5 gal. | |
| **EVERGREEN SHRUBS** | | | | | | |
| | AC3 | 19 | Arctostaphylos x coloradensis 'Chieftain' | Chieftain Mock Bearberry Manzanita | 5 gal. | |
| | EWR | 71 | Eriogonum wrightii wrightii | snow mesa buckwheat | 5 gal. | |
| | HPA | 15 | Hesperaloe parviflora | Red Yucca | 5 gal. | |
| | PED | 56 | Pinus edulis | Dwarf Pinyon Pine | 5 gal. | |
| | PMU | 23 | Pinus mugo 'Mops' | Mops Mugo Pine | 5 gal. | |
| | YAN | 15 | Yucca angustissima | Narrowleaf Yucca | 5 gal. | |
| **ORNAMENTAL GRASS** | | | | | | |
| | BGR | 171 | Bouteloua gracilis 'Blonde Ambition' | Blonde Ambition Blue Grama | 1 gal. | |
| | SNU | 64 | Sorghastrum nutans 'Thin Man' | Thin Man Indian Grass | 1 gal. | |
| **PERENNIAL** | | | | | | |
| | RHI | 127 | Rudbeckia hirta | Black-eyed Susan | 1 gal. | |

| SYMBOL | CODE | QTY | BOTANICAL NAME | COMMON NAME | CONT |
|---|---|---|---|---|---|
| **GROUND COVERS** | | | | | |
| | BB2 | 604 sf | COBBLE | COBBLE | n/a |
| | EX | 81,663 sf | EXISTING TO REMAIN/PROTECT | EXISTING | n/a |
| | NS | 9,612 sf | NATIVE SEED | NATIVE SEED | n/a |
| | RM | 16,207 sf | ROCK MULCH | ROCK MULCH | n/a |
| | TG | 1,064 sf | TURF GRASS | TURF GRASS | solid sod |
| | WM | 9,341 sf | WOOD MULCH | WOOD MULCH | n/a |

NOTE: IN THE EVENT OF A DISCREPENCY BETWEEN THE PAN GRAPHIC AND THE LANDSCAPE LEGEND, THE PLANT MATERIAL QUANTITY AS DETERMINED BY THE PLAN GRAPHIC SHALL TAKE PRECEDENCE.

TOWN OF ERIE NOTES:

1. IF TRANSFORMERS, GROUND MOUNTED HVAC EQUIPMENT, UTILITY PEDESTALS, ETC. ARE NOT SHOWN ON THE SITE MPROVEMENT PLAN, ADDITIONAL LANDSCAPING/SCREENING MAY BE REQUIRED BASED UPON FIELD CONDITIONS ISCOVERED VIA THE SITE INSPECTION BY STAFF, MADE PRIOR TO THE ISSUANCE OF THE CERTIFICATE OF OCCUPANCY, OR FINAL INSPECTION AS APPLICABLE.

LANDSCAPING SHALL BE PLANTED AND MAINTAINED IN A NEAT, CLEAN AND HEALTHY CONDITION BY THE OWNER. THIS SHALL INCLUDE PROPER PRUNING, MOWING AND AERATION OF LAWNS, REPLACEMENT OF MULCH, WEEDING, REMOVAL OF LITTER AND THE REGULAR WATERING OF ALL PLANTINGS. IRRIGATION SHALL BE MAINTAINED TO MINIMIZE WATER CONSUMPTION. SHOULD ANY PLANT MATERIAL DIE, THE OWNER, SUCCESSOR, OR ASSIGNS SHALL BE RESPONSIBLE FOR THE REPLACEMENT OF PLANT(S) WITHIN ONE PLANTING SEASON. REPLACEMENT OF PLANT MATERIALS SHALL OCCUR AT THE FOLLOWING RATE.

| TYPE | PLANT REPLACEMENT WITHIN | |
|---|---|---|
| | 1 YEAR | 2+ YEARS |
| TREE - DECIDUOUS | INCREASE CALIPER BY 1" | INCREASE CALIPER BY 1.5" |
| TREE - CONIFEROUS | INCREASE HEIGHT BY 1.5' | INCREASE HEIGHT BY 2' |
| SHRUB | REPLACE WITH PLANTS OF AT LEAST 1/2 MATURE SIZE | REPLACE WITH PLANTS OF AT LEAST 1/2 MATURE SIZE |

| LANDSCAPE AND TREE REQUIREMENTS | | | |
|---|---|---|---|
| CODE SEC. 10.6.4.E 1a - STREET FRONTAGE | | | |
| REQUIREMENT | AREA/MEASUREMENT | REQ'D | PROV'D |
| 1 DECIDUOUS OR ORNAMENTAL STREET TREE FOR EVERY 40 LINEAR FEET OF STREET FRONTAGE | 607.66 L.F. of Frontage along Telleen Ave 607.66/40=15.1915 | 15 TREES | REQUIREMENT MET BY EXISTING TREES TO REMAIN & PROTECT |
| | 394.16 L.F. of Frontage along E County Line Road 394.16/40=9.854 | 10 TREES | REQUIREMENT MET BY EXISTING TREES TO REMAIN & PROTECT |
| CODE SEC. 10.6.4.E 7b - MIN. REQUIRED LANDSCAPE AREA | | | |
| REQUIREMENT | AREA/MEASUREMENT | REQ'D | PROV'D |
| MINIMUM 15% OF THE GROSS SITE AREA SHALL BE LANDSCAPED AREA | 160,425 S.F. 15% = 24,064 S.F. | 24,064 S.F. | 38,709 S.F. |
| CODE SEC. 10.6.4.E 7c (i) - MIN. REQUIRED SITE TREES | | | |
| REQUIREMENT | AREA/MEASUREMENT | REQ'D | PROV'D |
| 1 SHRUB PER 150 S.F. OF LANDSCAPED AREA | +/- 38,709 S.F. LANDSCAPED AREA | 258 SHRUBS | 560 SHRUBS |
| CODE SEC. 10.6.4.E 8e (i) - MIN. REQUIRED TREES PER P.S. | | | |
| REQUIREMENT | AREA/MEASUREMENT | REQ'D | PROV'D |
| 1 TREE FOR EVERY 15 PARKING SPACES | 151 P.S. 151/15=10.06 | 10 TREES | 83 TREES |
| CODE SEC. 10.6.4.E 8e (i) - MIN. REQUIRED SHRUBS PER P.S. | | | |
| REQUIREMENT | AREA/MEASUREMENT | REQ'D | PROV'D |
| 1 SHRUB FOR EVERY PARKING SPACE | 151 P.S. | 151 SHRUBS | 560 SHRUBS |

D2C ARCHITECTS
RVi

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MARK | DESCRIPTION | DATE | APPR

ISSUE DATE: **AUGUST 8, 2025**
CONSULTANT'S PROJECT # 240687-000
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:
DESIGN BY: MSC
D2C PROJECT NUMBER 202420
DRAWN BY: MSC
CKD BY: JB
SBMT BY: MSC
PLOT DATE: 10/7/25
PLOT SCALE: AS SHOWN
SIZE: 22" x 34"
FILE NAME:

***FOR PERMIT***

NOT FOR CONSTRUCTION

TOWN OF ERIE
# ERIE PD - ADDITION & RENOVATION
1000 TELLEEN AVENUE, ERIE, COLORADO 80516

## LANDSCAPE NOTES & SCHEDULE

**SHEET IDENTIFICATION**
LP001

LANDSCAPE AND IRRIGATION - GENERAL

1. THE DEVELOPER/ARCHITECT SHALL ENSURE THAT LANDSCAPE AND IRRIGATION PLANS ARE COORDINATED WITH PLANS DONE BY OTHERS SO THE PROPOSED GRADING, DRAINAGE WORK, OR OTHER CONSTRUCTION DOES NOT CONFLICT OR PRECLUDE INSTALLATION AND MAINTENANCE OF LANDSCAPE ELEMENTS ON THIS PLAN.
2. THE CONTRACTOR SHALL CERTIFY THAT THE GRADE IS WITHIN PLUS OR MINUS ONE-TENTH (1/10TH) OF THE FINAL GRADING PLAN PRIOR TO COMMENCEMENT OF ANY LANDSCAPE OR IRRIGATION WORK.
3. ANY REVISION TO THE LANDSCAPE OR IRRIGATION PLANS SHALL BE REVIEWED AND APPROVED BY THE DIRECTOR OF PARKS AND RECREATION OR DESIGNEE PRIOR TO IMPLEMENTATION.
4. DO NOT DISTURB PAVING, LIGHTING, LANDSCAPE OR IRRIGATION THAT EXISTS ADJACENT TO THE SITE UNLESS OTHERWISE APPROVED OR AS NOTED ON PLANS.
5. INSPECTIONS - FOR TOWN OF ERIE MAINTAINED TRACTS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SCHEDULING AND COORDINATION OF ALL REQUIRED INSPECTIONS WITH THE TOWN OF ERIE. THE CONTRACTOR SHALL PROVIDE FORTY-EIGHT (48) HOURS NOTICE FOR ALL INSPECTIONS. REFER TO TOWN OF ERIE STANDARDS AND SPECIFICATIONS FOR ALL REQUIRED INSPECTIONS.
6. INSPECTIONS - ALL HOA/METRO DISTRICT MAINTAINED TRACTS SHALL BE INSPECTED BY A COLORADO LANDSCAPE ARCHITECT IN GOOD STANDING AND PAID FOR BY THE DEVELOPER. ALL TOWN OF ERIE LANDSCAPE ACCEPTANCE PROCEDURES SHALL BE FOLLOWED.
7. WARRANTY - THE CONTRACTOR SHALL WARRANTY THE WORKMANSHIP AND IRRIGATION SYSTEM FOR A PERIOD OF TWO YEARS OR AS STATED IN THE CONTRACT DOCUMENTS.
8. RECORD DRAWINGS - APPROVED CONSTRUCTION DRAWINGS SHALL BE ON SITE AND UPDATED DAILY WITH AS-BUILT MARKUPS. CONTRACTOR SHALL MAKE AS-BUILTS AVAILABLE ON SITE TO TOWN STAFF FOR REVIEW AND INSPECTION IMMEDIATELY UPON REQUEST. RECORD ALL CHANGES WHICH ARE MADE FROM CONTRACT DRAWINGS. RECORD ALL REQUIRED INFORMATION ON AS-BUILT DRAWINGS. DO NOT USE THESE PRINTS FOR ANY OTHER PURPOSE.
9. RECORD DRAWINGS FOR TOWN OWNED AND MAINTAINED PROPERTIES - CONTRACTOR SHALL SUBMIT AN ELECTRONIC VERSION OF AS-BUILT PLAN DRAWINGS IN THE LATEST VERSION OF PDF PRIOR TO INITIAL ACCEPTANCE OR SUBSTANTIAL COMPLETION.
10. RECORD DRAWINGS FOR HOA OWNED AND MAINTAINED PROPERTIES - CONTRACTOR SHALL SUBMIT A FULL SET OF AS-BUILTS, WITH THE ACCURACY ATTESTED TO AND STAMPED BY A REGISTERED LANDSCAPE ARCHITECT LICENSED TO PRACTICE IN COLORADO. ALL AS-BUILT DRAWINGS SHALL CONTAIN THE FOLLOWING STATEMENT SIGNED BY THE LANDSCAPE ARCHITECT:

    THIS PLAN AND THE INFORMATION CONTAINED HEREIN, ACCURATELY REPRESENTS THE AS-BUILT CONDITION, AND IS CONTRUCTED IN ACCORDANCE WITH THE ACCEPTED PLANS FOR THE IMPROVEMENTS.

    _____ DATE

    _____ SIGNATURE

11. THE CONTRACTOR SHALL IDENTIFY, VERIFY AND PROTECT CONTROL POINT. CONTRACTOR SHALL VERIFY LOCATION OF CONTROL POINT WEEKLY AND THE ORIGINAL CONDITION OF CONTROL POINT PIN SHALL BE MAINTAINED THROUGHOUT ENTIRE PROJECT. LOCATION AND G.P.S COORDINATES OF THE CONTROL POINT SHALL BE IDENTIFIED ON ALL PLANS AND AS-BUILTS.
12. FOR FURTHER INFORMATION, SEE SECTION 200 - ACCEPTANCE PROCEDURES OF THE TOWN OF ERIE STANDARDS AND SPECIFICATIONS.

LANDSCAPE

1. GRAPHIC SYMBOLS SHALL PRESIDE OVER WRITTEN PLANT QUANTITIES.
2. ALL TREE SPECIES SHALL BE FROM THE TOWN OF ERIE APPROVED TREE LIST.
3. NATIVE PLANTS SHALL BE USED IN NATIVE SEED AREAS. REFER TO STANDARDS AND SPECIFICATIONS FOR COMPLETE SPECIES LIST.
4. ALL STREET TREE SPECIES AND THEIR LOCATIONS SHALL BE APPROVED BY THE DIRECTOR OF PARKS AND RECREATION OR DESIGNEE FOR TREES PLANTED ADJACENT TO RESIDENTIAL HOMES WHETHER THEY ARE INSTALLED BY THE DEVELOPER, CONTRACTOR, BUILDER, OR HOMEOWNER.
5. NO ASH TREES SHALL BE PLANTED UNDER ANY CIRCUMSTANCES.

LANDSCAPE - EXECUTION

SOIL AMENDMENTS

1. PRIOR TO THE INSTALLATION OF PLANT MATERIAL, SOD, OR SEED, THE CONTRACTOR SHALL THOROUGHLY TILL EXISTING MATERIALS. THE CONTRACTOR SHALL THEN THOROUGHLY INCORPORATE ORGANIC AMENDMENTS AT A RATE OF FIVE (5) CU. YARDS PER THOUSAND (1000) FEET FOR ALL LANDSCAPED AREAS AND AT A RATE OF THREE (3) CU. YARDS PER THOUSAND (1000) FEET FOR ALL NATIVE AREAS.

THE FOLLOWING IS A LIST OF THE REQUIRED SOIL PREPARATION INSPECTIONS IN THEIR ORDER:

1. THE CONTRACTOR SHALL CERTIFY THAT THE GRADE IS WITHIN PLUS OR MINUS ONE-TENTH (1/10TH) OF THE FINAL GRADING PLAN PRIOR TO COMMENCEMENT OF ANY LANDSCAPE OR IRRIGATION WORK.
2. AFTER FIRST CULTIVATION
3. AFTER APPLICATION OF SPECIFIED ORGANIC MATERIALS
4. AFTER FINAL GRADE IS COMPLETED (BEFORE SEEDING, SODDING, OR PLANTING)

ANY WORKMANSHIP DEEMED BY THE TOWN TO BE FAULTY OR NOT IN ACCORDANCE WITH THE ACCEPTED PLANS AND THE TOWN OF ERIE STANDARDS AND SPECIFICATIONS SHALL BE CORRECTED AT THIS TIME.

FOR TOWN OF ERIE TRACTS, TO BE MAINTAINED BY THE TOWN AFTER THE APPLICABLE WARRANTY PERIOD, THE TOWN SHALL APPROVE ALL ORGANIC MATERIALS AND FERTILIZER, APPROVE SEED MIXES, COLLECT SEED TAGS. ANY UNSATISFACTORY MATERIALS SHALL BE REMOVED AND REPLACED WITH MATERIALS CONFORMING TO THE STANDARDS AND SPECIFICATIONS. WEIGHT TICKETS FOR ALL MATERIALS SHALL BE SUBMITTED TO THE TOWN AND CONFIRMATION IS REQUIRED BY TOWN INSPECTORS PRIOR TO SPREADING THE MATERIALS.

NATIVE SEEDING

SEEDING TIME FRAMES SHALL FOLLOW DATES IDENTIFIED FOR SPECIFIED SEED MIXES IN THE TOWN OF ERIE STANDARDS AND SPECIFICATIONS. PERMISSION FOR EXCEPTIONS TO THIS SEEDING TIME MUST BE OBTAINED PRIOR TO SEEDING FROM THE DIRECTOR OF PARKS AND RECREATION OR DESIGNEE. NO SEEDING SHALL BE DONE WHEN THE SOIL IS FROZEN, SNOW COVERED OR EXCESSIVELY WET/

SEEDING, MOWING AND WEED CONTROL SHALL ALL BE CARRIED OUT AS DETAILED IN THE TOWN OF ERIE STANDARDS AND SPECIFICATIONS.

CONTRACTOR SHALL APPLY BIOSOL OR APPROVED EQUAL AT A RATE OF EIGHT HUNDRED (800) POUNDS PER ACRE TO ALL NATIVE AREAS IMMEDIATELY FOLLOWING SEEDING, AND PRIOR TO THE APPLICATION OF HYDRO-MULCH.

HYDRO-MULCH SHALL BE WOOD CELLULOSE FIBER TYPE AND SHALL BE APPLIED AT THE MINIMUM RATE OF TWO THOUSAND FIVE HUNDRED (2500) POUNDS PER ACRE, WITH A MINIMUM RATE OF ONE HUNDRED FIFTY (150) POUNDS PER ACRE TACKIFIER, AND SHALL BE APPLIED IMMEDIATELY AFTER SEED APPLICATION. AT THIS RATE SOIL COVERAGE IS 100%.

STRAW CONSISTING OF SEVENTY-FIVE (75) PERCENT STRAWS LONGER THAN TEN (10) INCHES MAY BE USED ON NATIVE SEEDING. IT SHALL BE APPLIED EVENLY OVER THE SEEDED SURFACE AT THE MINIMUM RATE OF TWO (2) TONS PER ACRE AND PARTIALLY EMBEDDED INTO THE SOIL USING A CRIMPER OR SIMILAR IMPLEMENT.

ALL HYDRO-MULCH SHALL BE REMOVED FROM ALL PLANT MATERIALS, FENCES, CONCRETE AND OTHER AREAS EXCEPT FOR SEED BED. OVERLY DENSE APPLICATIONS OF STRAW MULCH, OR WINDROWS OF LOOSE STRAW MULCH WHICH MAY SMOTHER SEEDLING GRASSES, MUST BE COLLECTED AND REMOVED. STRAW MULCH BLOWN ONTO ADJACENT RESIDENTIAL AREAS SHALL BE REMOVED BY THE LANDSCAPER RESPONSIBLE FOR THE PROJECT.

ALL NATIVE SEED SHALL RECEIVE TEMPORARY IRRIGATION UNTIL SEED IS ESTABLISHED.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING BARRIERS AND SIGNS AS REQUIRED TO PROTECT SEEDED AREAS FROM PEDESTRIAN AND VEHICULAR DAMAGE.

THE CONTRACTOR SHALL WARRANTY ALL NATIVE SEEDED AREAS FOR CONSISTENCY AND COMPLETION OF COVERAGE. THE STANDARD OF ACCEPTABLE ESTABLISHMENT SHALL BE AT LEAST SIX (6) DESIRABLE SEEDED PLANT SEEDLINGS PER SQUARE FOOT. ALL BARE AREAS OVER 10 SQUARE FEET SHALL BE RE-SEEDED AND RE-MULCHED.

ANY REMAINING PEAT, SOIL, SAND, ROCK, OR SIMILAR MATERIAL WHICH HAS BEEN BROUGHT ONTO THE SITE, BY WORK OPERATIONS OR OTHERWISE, SHALL BE REMOVED, AND ALL OTHER REMAINING DEBRIS WILL BE DISPOSED OF. ALL GROUND AREA DISTURBED SHALL BE RENOVATED TO ITS ORIGINAL CONDITION OR TO THE REQUIRED NEW CONDITIONS.

EDGING

EDGING SHALL BE THREE-SIXTEENTHS BY SIX (3/16 X 6) INCH GREEN PAINTED STEEL STANDARD EDGER WITH ROLL TOP.

STAKING & GUYING

ALL TREES SHALL BE STAKED AND GUYED USING THE FOLLOWING MATERIALS

| | |
|---|---|
| STAKES: | SIX (6) FOOT STEEL TEE POSTS FOR DECIDUOUS TREES.<br>TWO (2) FOOT STEEL TEE POSTS FOR EVERGREEN TREES |
| STRAPS: | GREEN WOVEN POLYPROPYLENE STRAP; 900 LB BREAK STRENGTH (DEEPROOT ARBORTIE 7 OR APPROVED EQUAL). |
| POST CAPS: | SHALL BE INSTALLED ON THE TOP OF ALL STEEL TEE STAKES REGARDLESS OF THE STAKE LENGTH. |

LANDSCAPE FABRIC

ALL LANDSCAPE FABRIC SHALL BE MIRAFI 140N GEO-TEXTILE POLYPROPYLENE FABRIC OR AN APPROVED EQUIVALENT.

ALL SEAMS IN THE FABRIC SHALL OVERLAP A MINIMUM OF TWELVE (12) INCHES. LANDSCAPE FABRIC PINS WILL BE USED A MINIMUM OF EVERY THREE (3) FEET ALONG THE EDGE OF THE FABRIC AS WELL AS A MINIMUM OF THREE (3) FEET ON CENTER THROUGHOUT THE FABRIC.

FABRIC USED UNDER CRUSHER FINES TRAILS SHALL BE STAKED AS FOLLOWS: LANDSCAPE FABRIC PINS WILL BE USED A MINIMUM OF EVERY TEN (10) FEET

ALONG THE EDGE OF THE FABRIC. ADDITIONAL PINS WILL BE ADDED THROUGHOUT THE FABRIC AS NECESSARY DEPENDING ON THE WIDTH OF THE TRAIL BUT NO LESS THAN (10) FEET ON CENTER.

SOD

SOD SHALL CONSIST OF A BLEND OF AT LEAST FOUR (4) VARIETIES OF BLUEGRASS. THIS BLEND IS TO BE APPROVED BY THE DIRECTOR OF PARKS & RECREATION OR DESGINEE.

SOD SHALL BE STRONGLY ROOTED AND FREE OF NOXIOUS WEEDS, UNDESIRABLE PLANTS, ROOTS, STONES, AND OTHER FOREIGN MATERIALS THAT WILL BE DETRIMENTAL OR WILL HINDER THE PROPER DEVELOPMENT OF THE SOD. SEE SECTIONS 1023.00 AND 1043.00 WITHIN THE TOWN OF ERIE STANDARDS AND SPECIFICATIONS FOR FURTHER INFORMATION.

SEED

REFER TO TOWN OF ERIE STANDARDS & SPECIFICATIONS FOR APPROVED SEED MIXES FOR SPECIFIC USES.

FERTILIZER FOR NATIVE SEED – BIOSOL FORTE (OR APPROVED EQUAL) 7-2-1 SLOW-RELEASE ORGANIC FERTILIZER SHALL BE APPLIED TO ALL NATIVE SEEDED AREAS AT A MINIMUM RATE OF EIGHT HUNDRED (800) PLBS PER ACRE.

FERTILIZER FOR TURF GRASS SEEDING – STARTER FERTILIZER HAVING A RATIO OF APPROX. 5-15-1 WITH A MINIMUM ACCEPTABLE NITROGEN LEVEL OF 15%, A MINIMUM ACCEPTABLE PHOSPHORUS LEVEL OF 45%.

PLANT MATERIAL

ALL PLANT MATERIAL SHALL COMPLY WITH THE AMERICAN STANDARD FOR NURSERY STOCK ANSI Z60.1-2004.

PLANTS SHALL EXHIBIT GOOD ANNUAL GROWTH AND BUDS SHALL BE PLUMP AND WELL FITTED FOR THE SPECIES. FOLIAGE SHALL BE FULL AND DISPLAY A HEALTHY AND CONSISTENT COLOR WHEN IN LEAF. EVERGREEN FOLIAGE WILL BE GOOD INTENSE COLOR.

PLANT TAGS STATING THE CORRECT PLANT NAME AND SIZE SHALL BE SECURELY ATTACHED TO ALL PLANT MATERIALS. PLANTS SHALL BE TRUE TO THEIR NAME AS SPECIFIED. PLANT MATERIALS NOT MEETING THESE STANDARDS ARE SUBJECT TO REJECTION.

ALL DECIDUOUS AND ORNAMENTAL TREES SHALL BE ONE AND A HALF (1.5) INCH CALIPER OR LARGER. CALIPER MEASUREMENT SHALL BE TAKEN SIX (6) INCHES ABOVE THE ROOT FLARE IF FOUR (4) INCHES OR LESS AND TWELVE (12) INCHES ABOVE THE ROOT FLARE FOR LARGER TREE SIZES.

ALL EVERGREEN TREES SHALL BE A MINIMUM OF SIX (6) FEET TALL OR LARGER. HEIGHT DIMENSIONS REFER TO THE MAIN BODY OF THE TREE, FROM THE ROOT COLLAR AND ABOVE.

SHRUBS SHALL BE FIVE (5) GALLON CONTAINERS OR LARGER.

PERENNIALS AND GROUNDCOVERS SHALL BE ONE (1) GALLON CONTAINER OR LARGER.

ANY CHANGES IN SPECIES AND PLANT LOCATIONS SHALL BE SUBMITTED TO THE DIRECTOR OF PARKS & RECREATION OR DESGINEE FOR REVIEW AND APPROVAL. OVERALL QUALITY AND DESIGN CONCEPT SHALL BE CONSISTENT WITH APPROVED LANDSCAPE DESIGN.

ALL NEW AND REPLACEMENT PLANT MATERIALS REQUIRE INSPECTION AND SHALL BE TAGGED BY THE DIRECTOR OF PARKS & RECREATION OR DESGINEE FOR ALL TOWN OF ERIE MAINTAINED AREAS PRIOR TO PLANTING. CONTACT APPROPRIATE TOWN OF ERIE STAFF TO ARRANGE FOR MATERIALS TO BE TAGGED.

PLANT MATERIALS SHALL BE LIVE, HEALTHY, VIGOROUS, STRUCTURALLY SOUND, AND FREE OF DISEASE AND INSECT INFESTATIONS. PLANT MATERIALS NOT MEETING THESE STANDARDS SHALL BE SUBJECT TO REJECTION AND SHALL BE REPLACED.

D2C ARCHITECTS

RVi

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| MARK | DESCRIPTION | DATE | APPR |
|---|---|---|---|

DESIGN BY: MSC
D2C PROJECT NUMBER 202420
ISSUE DATE: AUGUST 8, 2025
CONSULTANT'S PROJECT # 240867.000
DRAWN BY: MSC
CKD BY: JB
SBMT BY: MSC
PLOT DATE: 10/7/25
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:
PLOT SCALE: AS SHOWN
SIZE: 22" x 34"
FILE NAME:

**FOR PERMIT**

NOT FOR CONSTRUCTION

TOWN OF ERIE
ERIE PD - ADDITION & RENOVATION
1000 TELLEEN AVENUE, ERIE, COLORADO 80516
LANDSCAPE NOTES & SCHEDULE

**SHEET IDENTIFICATION**
LP002

NOTES:

REFER TO LP001 FOR PLANT SCHEDULE AND LANDSCAPE NOTES

LANDSCAPE LEGEND:

- LIMIT OF WORK
- PROPERTY LINE
- SECTION LINE
- LOT LINE
- EASEMENT
- EXISTING CONTOUR
- PROPOSED CONTOUR
- EDGER (6" HT. / 7GAUGE MIN.)

| CODE | SYMBOL | COMMON NAME |
|---|---|---|
| **DECIDUOUS TREES** | | |
| CS | | Northern Catalpa |
| CO2 | | Common Hackberry |
| GI | | Thornless Honey Locust |
| GD2 | | Kentucky Coffeetree |
| QMU | | Chinkapin Oak |
| UA | | Accolade™ Elm |
| **EVERGREEN TREES** | | |
| JW | | Woodward Columnar Juniper |
| PPU | | Colorado Spruce |
| PP | | Pinyon Pine |
| API | | Austrian Pine |
| **ORNAMENTAL TREES** | | |
| AG | | Hot Wings Tatarian Maple |
| CP2 | | Prairie Sentinel Hackberry |

| CODE | SYMBOL | COMMON NAME |
|---|---|---|
| CNA | | Dwarf Rubber Rabbitbrush |
| CF | | Arctic Fire® Red Twig Dogwood |
| PAT | | Russian Sage |
| PBE | | Pawnee Buttes® Sand Cherry |
| RG | | Gro-Low Fragrant Sumac |
| RT2 | | Three-Leaf Sumac |
| RA2 | | Autumn Amber Sumac |
| SK | | Miss Kim Lilac |
| **EVERGREEN SHRUBS** | | |
| AC3 | | Chieftan Mock Bearberry Manzanita |
| EWR | | Snow Mesa Buckwheat |
| HPA | | Red Yucca |
| PED | | Dwarf Pinyon Pine |
| PMU | | Mops Mugo Pine |
| YAN | | Narrowleaf Yucca |
| **ORNAMENTAL GRASS** | | |
| BGR | | Blonde Ambition Blue Grama |
| SNU | | Thin Man Indian Grass |
| **PERENNIAL** | | |
| RHI | | Black-eyed Susan |

| CODE | SYMBOL | COMMON NAME |
|---|---|---|
| **GROUND COVERS** | | |
| BB2 | | COBBLE |
| EX | | NATIVE SEED |
| NS | | ROCK MULCH |
| RM | | TURF GRASS |
| TG | | WOOD MULCH |
| WM | | EXISTING TO REMAIN/PROTECT |

20' 0 10' 20' 40' NORTH

3 - API
ALL EXISTING TREES IN THE TELLEEN AVE R.O.W. TO BE RETAINED.
SEEDING EXTENT OF GRADING / CONSTRUCTION DISTURBANCE
5 - RA2
21 - PED
14 - PBE
1 - QMU
3 - SK
7 - PMU
15 - EWR
26 - BGR
6 - YAN
7 - CNA
14 - CNA
17 - BGR
2 - PP
QMU
3 - RT2
1 - CO2
1 - PP
7 - EWR
4 - SK
4 - PMU
5 - PED
7 - RHI
4 - CP2
4 - RA2
5 - CP2
3 - QMU
EXISTING TREES (NOT SURVEYED) IN THE TELLEEN AVE R.O.W. TO BE RETAINED.
1 - UA
8 - CNA
4 - PBE
2 - API
7 - EWR
7 - PBE
1 - API
1 - QMU
7 - PED
6 - PBE
7 - EWR
5 - RG
1 - QMU
3 - PAT
2 - RT2
5 - PBE
3 - JW
2 - RT2
7 - PBE
3 - PAT
15 - BGR
3 - PAT
5 - PBE
3 - JW
4 - PAT
1 - CS
6 - SK
11 - PBE
1 - QMU
10 - SNU
12 - SNU
5 - AC3
1 - GD2
1 - GD2
1 - GD2
2 - PPU
24 - BGR
3 - PMU
9 - BGR
12 - RHI
17 - SNU
3 - YAN
5 - PED
2 - RA2
8 - PBE
10 - BGR
1 - CO2
14 - RHI
11 - RA2
16 - RHI
5 - RA2
1 - UA
3 - RA2
5 - SK
5 - RA2
2 - PMU
8 - BGR
3 - JW
22 - RHI
3 - RA2
4 - RA2
7 - RHI
3 - RA2
17 - BGR
3 - CP2
3 - RA2
23 - RHI
7 - RHI
3 - RG
7 - PMU
6 - CF
18 - SNU
EXISTING TREES (NOT SURVEYED) TO BE RETAINED
5061
5060
5059
5058
5057
5056
5055
5054
SS
SD
W

D2C ARCHITECTS

RVi

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APPR. | DATE | DESCRIPTION | MARK

ISSUE DATE: AUGUST 8, 2025
CONSULTANT'S PROJECT #: 240867.000
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:
DESIGN BY: MSC
D2C PROJECT NUMBER: 202420
DRAWN BY: MSC
CKD BY: JB
PLOT DATE: 10/7/25
SBMT BY: MSC
PLOT SCALE: AS SHOWN
SIZE: 22" x 34"
FILE NAME:

**FOR PERMIT**

NOT FOR CONSTRUCTION

TOWN OF ERIE
# ERIE PD - ADDITION & RENOVATION
1000 TELLEEN AVENUE, ERIE, COLORADO 80516
LANDSCAPE PLAN

**SHEET IDENTIFICATION**
LP401

NOTES:

REFER TO LP001 FOR PLANT SCHEDULE AND LANDSCAPE NOTES

LANDSCAPE LEGEND:

- LIMIT OF WORK
- PROPERTY LINE
- SECTION LINE
- LOT LINE
- EASEMENT
- EXISTING CONTOUR
- PROPOSED CONTOUR
- EDGER (6" HT. / 7GAUGE MIN.)

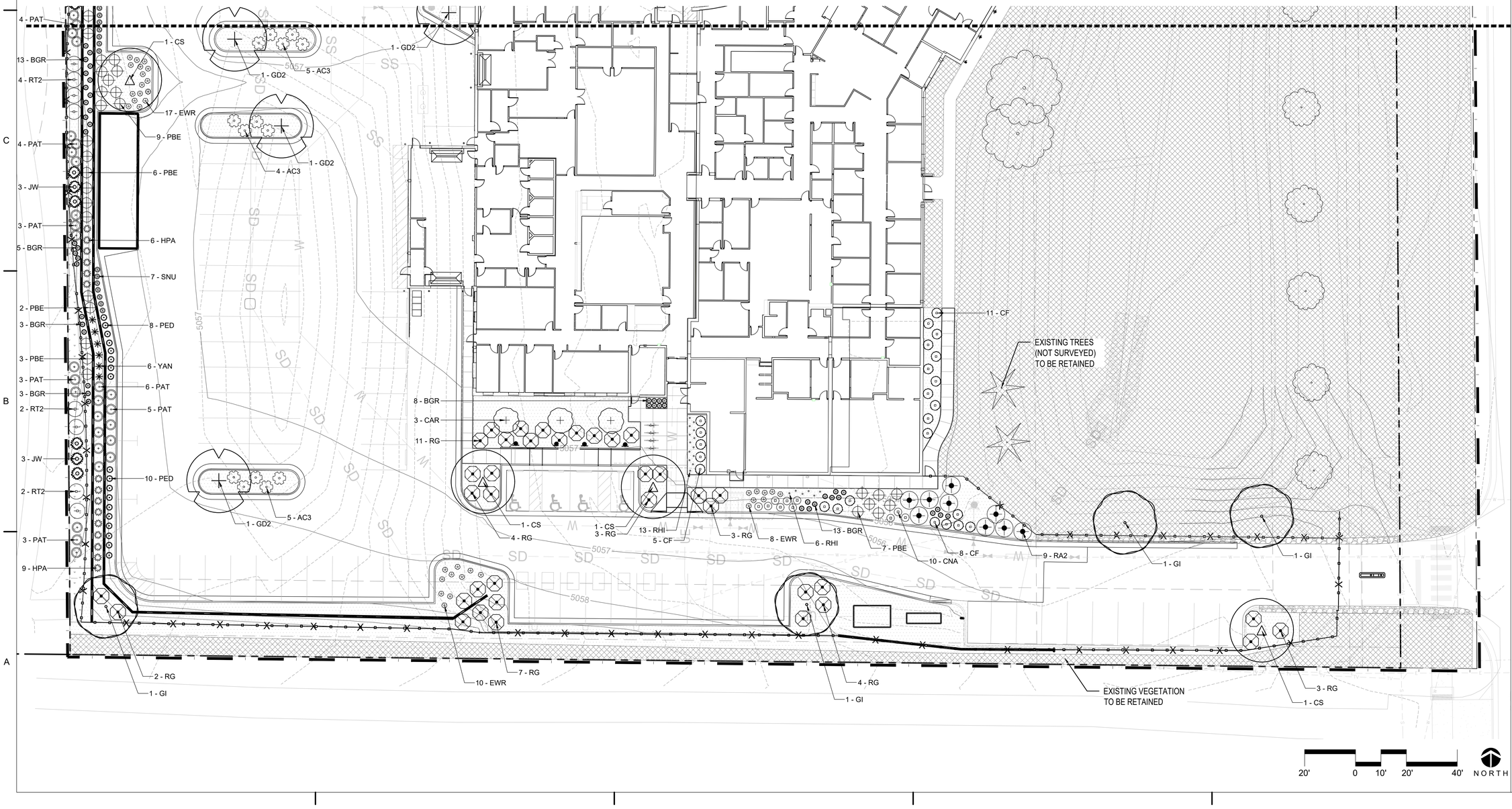
- ORGANIC WOOD MULCH
- COBBLE MULCH SIZE RANGE: 4"-6"
- IRRIGATED SOD (3 TYPE BLUEGRASS HYBRID BLEND W/ 20% TEXAS BLUEGRASS)
- NATIVE SEED RE: SCHEDULE
- LANDSCAPE BOULDERS
- EXISTING DECIDUOUS TREE
- EXISTING EVERGREEN TREE

| CODE | SYMBOL | COMMON NAME |
|---|---|---|
| **DECIDUOUS TREES** | | |
| CS | | Northern Catalpa |
| CO2 | | Common Hackberry |
| GI | | Thornless Honey Locust |
| GD2 | | Kentucky Coffeetree |
| QMU | | Chinkapin Oak |
| UA | | Accolade™ Elm |
| JW | | |
| PPU | | |
| PP | | |
| API | | |
| AG | | |
| CP2 | | |
| **EVERGREEN TREES** | | |
| CNA | | Woodward Columnar Juniper |
| CF | | Colorado Spruce |
| PAT | | Pinyon Pine |
| PBE | | Austrian Pine |
| **ORNAMENTAL TREES** | | |
| RG | | Hot Wings Tatarian Maple |
| RT2 | | Prairie Sentinel Hackberry |
| RA2 | | |
| SK | | |
| AC3 | | |
| EWR | | |

| | |
|---|---|
| **DECIDUOUS SHRUBS** | |
| HPA | Dwarf Rubber Rabbitbrush |
| PED | Arctic Fire® Red Twig Dogwood |
| PMU | Russian Sage |
| YAN | Pawnee Buttes® Sand Cherry |
| BGR | Gro-Low Fragrant Sumac |
| SNU | Three-Leaf Sumac |
| RHI | Autumn Amber Sumac |
| | Miss Kim Lilac |
| **EVERGREEN SHRUBS** | |
| AC3 | Chieftan Mock Bearberry Manzanita |
| EWR | Snow Mesa Buckwheat |
| | Red Yucca |
| | Dwarf Pinyon Pine |
| | Mops Mugo Pine |
| | Narrowleaf Yucca |
| **ORNAMENTAL GRASS** | |
| BB2 | Blonde Ambition Blue Grama |
| EX | Thin Man Indian Grass |
| **PERENNIAL** | |
| NS | Black-eyed Susan |
| RM | |
| TG | |
| WM | |

**GROUND COVERS**

- COBBLE
- NATIVE SEED
- ROCK MULCH
- TURF GRASS
- WOOD MULCH
- EXISTING TO REMAIN/PROTECT





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| MARK | DESCRIPTION | DATE | APPR |
|---|---|---|---|

| | | | |
|---|---|---|---|
| DESIGN BY: MSC | ISSUE DATE: AUGUST 8, 2025 | | |
| D2C PROJECT NUMBER 202420 | CONSULTANT'S PROJECT # 240687-000 | SOLICITATION NO.: | |
| DRAWN BY: MSC | CKD BY: JB | CONTRACT NO.: | |
| SBMT BY: MSC | PLOT DATE: 10/7/25 | FILE NUMBER: | |
| PLOT SCALE: AS SHOWN | | | |
| SIZE: 22" x 34" | | FILE NAME: | |

***FOR PERMIT***

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TOWN OF ERIE

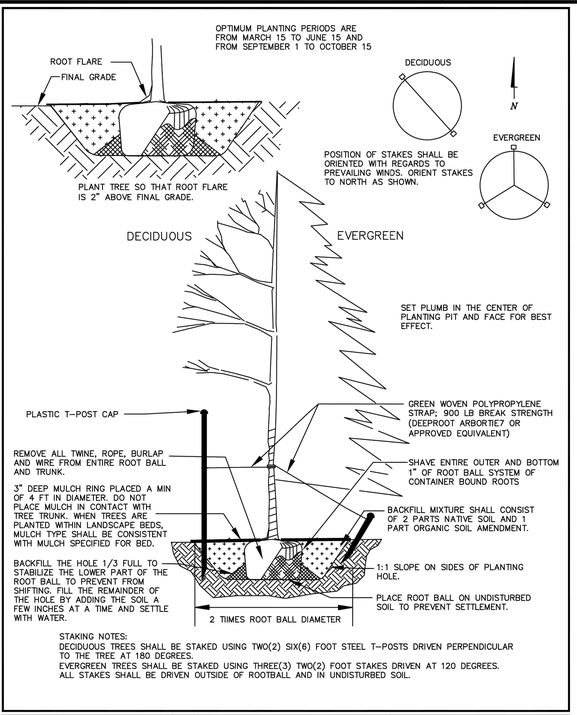
# ERIE PD - ADDITION & RENOVATION

1000 TELLEEN AVENUE, ERIE, COLORADO 80516

## LANDSCAPE PLAN

**SHEET IDENTIFICATION**

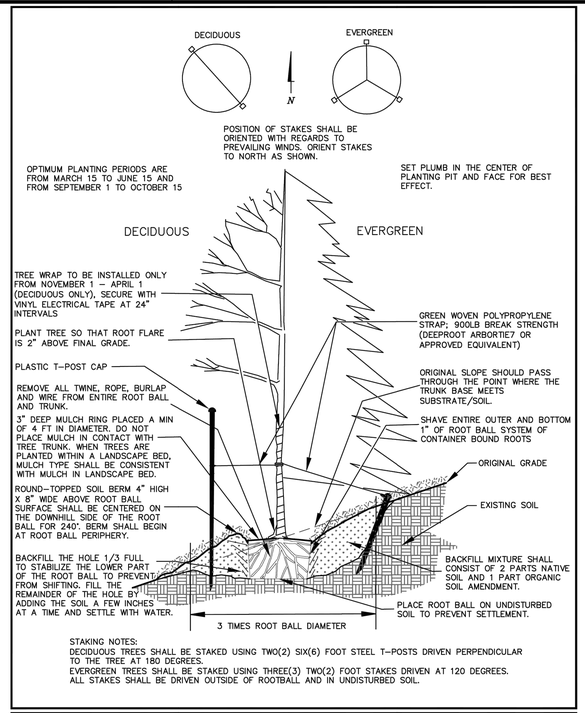
LP402




STAKING NOTES:
DECIDUOUS TREES SHALL BE STAKED USING TWO(2) SIX(6) FOOT STEEL T-POSTS DRIVEN PERPENDICULAR TO THE TREE AT 180 DEGREES.
EVERGREEN TREES SHALL BE STAKED USING THREE(3) TWO(2) FOOT STAKES DRIVEN AT 120 DEGREES.
ALL STAKES SHALL BE DRIVEN OUTSIDE OF ROOTBALL AND IN UNDISTURBED SOIL.

The Town of ERIE COLORADO

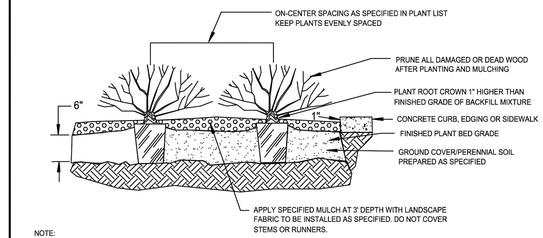
DRAWING TITLE: TREE PLANTING DETAIL
DRAWING NUMBER: P28
DRAWN BY: R. GROSS APPROVED BY: P. HAMMER DATE: 09/2023




STAKING NOTES:
DECIDUOUS TREES SHALL BE STAKED USING TWO(2) SIX(6) FOOT STEEL T-POSTS DRIVEN PERPENDICULAR TO THE TREE AT 180 DEGREES.
EVERGREEN TREES SHALL BE STAKED USING THREE(3) TWO(2) FOOT STAKES DRIVEN AT 120 DEGREES.
ALL STAKES SHALL BE DRIVEN OUTSIDE OF ROOTBALL AND IN UNDISTURBED SOIL.

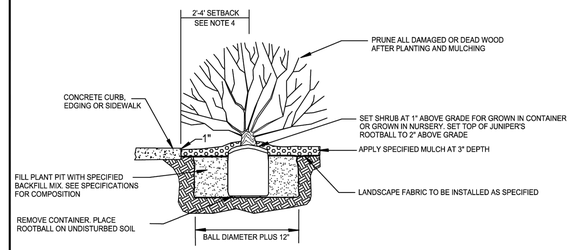
The Town of ERIE COLORADO

DRAWING TITLE: TREE ON SLOPE DETAIL
DRAWING NUMBER: P29
DRAWN BY: R. GROSS APPROVED BY: P. HAMMER DATE: 09/2023




NOTE:
1. HOLD MULCH GRADE 1" BELOW EDGE OF WALK, EDGING OR CURB. HOLD BACK PLANTS 12-18" FROM EDGES.
2. REMOVE ALL CONTAINERS & POTS PRIOR TO PLANTING.

GROUNDCOVER / PERENNIAL

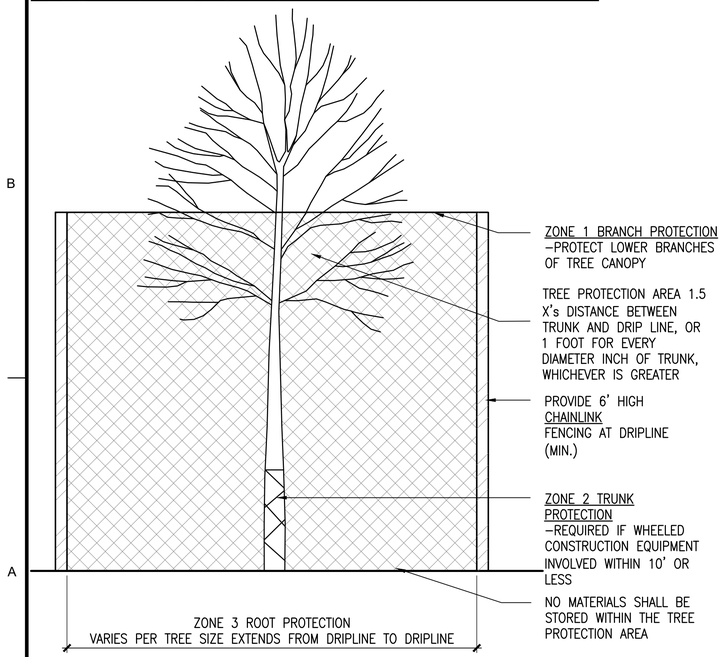



SHRUB

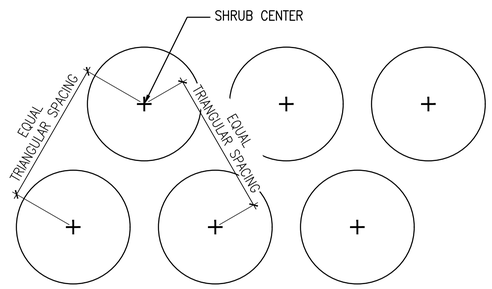
NOTE:
1. DO NOT PLANT ANY PLANT WITH ROOTBALL NOT IN CONFORMANCE WITH COLORADO NURSERY ACT REQUIREMENTS
2. HOLD MULCH GRADE 1" BELOW EDGE OF WALK, EDGING OR CURB
3. SHRUBS NOT PLANTED WITHIN A MULCHED BED REQUIRE A 4" HIGH EARTH SAUCER TO BE CONSTRUCTED CONTAINING A 1' RADIUS AND 3" DEEP MULCH COLLAR.
4. USE A 2' TO 4' SETBACK DEPENDING ON SPECIES. SETBACK TO ACCOMODATE MATURE SPREAD OF SPECIES TO PREVENT OVERHANG.
5. REMOVE ALL CONTAINERS & POTS PRIOR TO PLANTING.

The Town of ERIE COLORADO

DRAWING TITLE: SHRUB & GROUNDCOVER/ PERENNIAL PLANTING DETAIL
DRAWING NUMBER: P30
DRAWN BY: R. GROSS APPROVED BY: P. HAMMER DATE: 09/2023




A TREE PROTECTION
SCALE: NTS DT-PLNT-TREE-PROT




B SHRUB SPACING
SCALE: 1"-1'-0" DT-PLNT-SHRB-SPAC

D2C ARCHITECTS
RVi
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| MARK | DESCRIPTION | DATE | APPR |
|---|---|---|---|

ISSUE DATE: AUGUST 8, 2025
CONSULTANTS PROJECT # 240667-000
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:

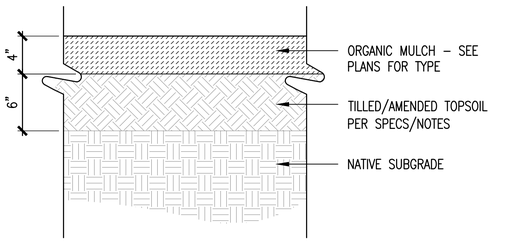
DESIGN BY: MSC
D2C PROJECT NUMBER 202420
DRAWN BY: MSC
CKD BY: JB
SBMT BY: MSC
PLOT DATE: 10/7/25
PLOT SCALE: AS SHOWN
SIZE: 22" x 34"
FILE NAME:

**FOR PERMIT**

NOT FOR CONSTRUCTION

TOWN OF ERIE
ERIE PD - ADDITION & RENOVATION
1000 TELLEEN AVENUE, ERIE, COLORADO 80516
LANDSCAPE DETAILS

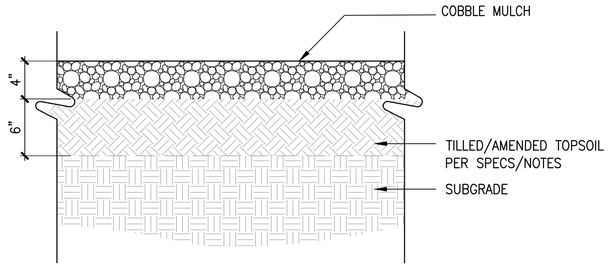
SHEET IDENTIFICATION
LP501




NOTES:
1. DO NOT INSTALL LANDSCAPE FABRIC UNDER MULCH.

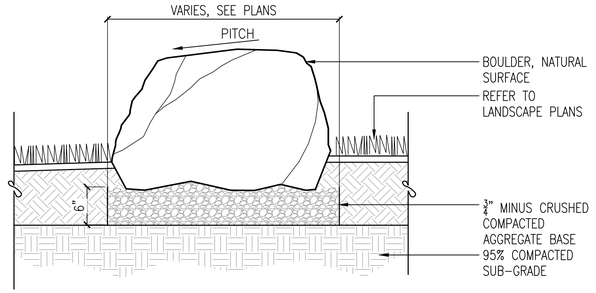
## A ORGANIC MULCH

SCALE: 1 1/2" = 1'-0" DT-PLNT-MLCH




## B COBBLE MULCH

SCALE: 1 1/2" = 1'-0"




NOTES:
1. ALL BOULDERS TO BE SELECTED OR APPROVED BY LANDSCAPE ARCHITECT PRIOR TO PURCHASE.
2. CONTRACTOR TO STAKE BOULDER LOCATIONS PER PLANS, AND FOR LANDSCAPE ARCHITECT APPROVAL, PRIOR TO FINAL INSTALLATION.

## C LANDSCAPE BOULDER

Scale: 1"=1'-0"

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SIZE: 22" x 34"
ISSUE DATE: **AUGUST 8, 2025**
CONSULTANT'S PROJECT #: 240687-000
SOLICITATION NO.:
CONTRACT NO.:
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TILE NAME:

***FOR PERMIT***

NOT FOR CONSTRUCTION

TOWN OF ERIE
ERIE PD - ADDITION & RENOVATION
1000 TELLEEN AVENUE, ERIE, COLORADO 80516
LANDSCAPE DETAILS

**SHEET IDENTIFICATION**
LP502

# NOTES

1. RENOVATE EXISTING IRRIGATION SYSTEM TO ACCOMMODATE OVERALL RENOVATION INSTALL SYSTEM TO IRRIGATE NEW LANDSCAPING. DRIP WILL IRRIGATE NEW TREE AND SHRUB PLANTINGS. TEMPORARY SPRINKLER IRRIGATION IS PROVIDED FOR NATIVE SEED ESTABLISHMENT. TREES IN NATIVE SEED ARE IRRIGATED PERMANENTLY WITH DRIP IRRIGATION. PROTECT EXISTING IRRIGATION AS NOTED.

2. WATER SOURCE: EXISTING 1.5-INCH IRRIGATION METER. SYSTEM IS DESIGNED FOR A MAX OF 50 GPM.

3. CONTROLLER: REPLACE EXISTING CONTROLLER WITH NEW IRRIGATION CONTROLLER. CONTROL WILL BE VIA TWO WIRE PATH AND DECODERS. GROUND CONTROL CABLE PER MANUFACTURER'S RECOMMENDATION. CONTROL CABLE NOT ADJACENT TO MAINLINE TO BE INSTALLED IN CONDUIT AND PROTECTED WITH WARNING TAPE. LOOP WIRE IN TRENCH EVERY ONE HUNDRED (100) FEET AND AT EVERY CHANGE IN DIRECTION OF PIPE.

4. THE ENTIRE INSTALLATION SHALL FULLY COMPLY WITH ALL LOCAL AND STATE LAWS AND ORDINANCES AND WITH ALL THE ESTABLISHED APPLICABLE CODES.

5. UTILITY LOCATES ("CALL BEFORE YOU DIG"): ARRANGE FOR AND COORDINATE WITH GENERAL CONTRACTOR AND LOCAL AUTHORITIES THE LOCATION OF ALL UNDERGROUND UTILITIES. CALL 1-800-849-2476.

6. REFER TO THE TOWN OF ERIE STANDARD AND SPECIFICATIONS FOR MATERALS AND WARRANTY IRRIGATION SYSTEM FOR ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE OF WORK.

7. DO NOT PROCEED WITH THE INSTALLATION OF IRRIGATION COMPONENTS WHEN IT IS OBVIOUS IN THE FIELD THAT OBSTRUCTIONS OR GRADE DIFFERENCES EXIST THAT WERE NOT CONSIDERED IN THE ENGINEERING. IF DISCREPANCIES IN THE CONSTRUCTION DOCUMENTS OR FIELD CONDITIONS EXIST, BRING THEM TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.

12. COMPACT TRENCHES IN 6-INCH LIFTS TO 90% PROCTOR DENSITY. PUDDLING OF TRENCHES IS NOT ALLOWED.

13. VALVES:
    a. ALL VALVES SHALL BE WITHIN THREE (3) INCHES FROM THE BOTTOM OF VALVE BOX LID AND THREE (3) INCH MINIMUM OF DEPTH FROM THE BOTTOM OF THE VALVE TO THE GRAVEL LAYER IN THE VALVE BOX.
    b. ALL VALVE BOXES SHALL BE SET FLUSH WITH FINAL GRADE.
    c. ALL VALVE BOXES SHALL BE BRANDED WITH ASSOCIATED VALVE NUMBER.

14. ADJUST EACH SPRINKLER TO PROVIDE COMPLETE AND OPTIMUM COVERAGE WITH MINIMUM OVERSPRAY ONTO HARDSCAPE.

15. PROVIDE TWO (2) OPERATING KEYS FOR EACH TYPE OF MANUALLY OPERATED VALVE.

16. FURNISH ACCURATE REPRODUCIBLE "AS-BUILT" DRAWINGS SHOWING FIELD CHANGES IN LAYOUT AND EQUIPMENT INSTALLATION. AS-BUILT DRAWINGS TO BE PLOTTED OUT FULL SCALE ALSO INCLUDE AN ELECTRONIC COPIES IN AUTOCAD AND ADOBE ACROBAT (PDF) FORMAT.

17. CLEAN UP ALL DEBRIS RELATED TO THE JOB, AND LEAVE THE SITE IN A CLEAN TIDY CONDITION.

18. TEST AND DEMONSTRATE TO THE OWNER'S REPRESENTATIVE THE SATISFACTORY OPERATION OF THE SYSTEM.

19. THE CONTRACTOR SHALL PROVIDE A SEASONAL MAINTENANCE SCHEDULE WHICH SHALL BEGIN ON APRIL 15TH AND END ON OCTOBER 15TH TO ENSURE THE EFFICIENCY AND LONGEVITY OF THE IRRIGATION SYSTEM. THE MAINTENANCE SCHEDULE SHALL INCLUDE BUT IS NOT LIMITED TO THE FOLLOWING LIST OF BEST MANAGEMENT PRACTICES:
    - CHECK HEADS FOR COVERAGE AND LEAKAGE.
    - CHECK CONTROLLER PROGRAMMING AND ADJUST FOR SEASONAL CHANGES AS NECESSARY.
    - VERIFY THAT THE WATER SUPPLY AND PRESSURE ARE AS STATED IN THE DESIGN.
    - CERTIFY THE BACKFLOW PREVENTION DEVICE AND SUBMIT TEST RESULTS TO THE PROPERTY MANAGER.
    - PERIODICALLY VERIFY THE THE SENSORS IN THE IRRIGATION SYSTEM ARE OPERATING CORRECTLY.
    - WINTERIZATION AND SPRING START UP PROCEDURES.

# ERIE IRRIGATION NOTES

THE CONTRACTOR SHALL IDENTIFY, VERIFY AND PROTECT CONTROL POINT. CONTRACTOR SHALL VERIFY LOCATION OF CONTROL POINT WEEKLY, AND THE ORIGINAL CONDITION OF CONTROL POINT PIN SHALL BE MAINTAINED THROUGHOUT ENTIRE PROJECT. LOCATION AND G.P.S. COORDINATES OF THE CONTROL POINT SHALL BE IDENTIFIED ON ALL PLANS AND AS-BUILTS.

THE IRRIGATION SYSTEM SHALL BE INSTALLED AFTER SOIL PREPARATION AND PRIOR TO PLANT MATERIALS.

**IRRIGATION – MATERIALS**

REFER TO THE TOWN OF ERIE STANDARD AND SPECIFICATIONS FOR MATERIALS

**IRRIGATION – INSTALLATION**

LOOP WIRE IN TRENCH EVERY ONE HUNDRED (100) FEET AND AT EVERY CHANGE
IN DIRECTION OF PIPE.

ALL MAINLINE SHALL HAVE TWENTY-FOUR (24) INCH COVER, ROTOR LATERAL
LINES SHALL HAVE EIGHTEEN (18) INCH COVER, AND POP-UPS SHALL HAVE
TWELVE (12) INCH COVER.

ALL MAINLINE SHALL USE FORTY-FIVE (45) DEGREE FITTINGS. NINETY DEGREE
(90) FITTINGS SHALL NOT BE USED ON MAINLINE UNLESS APPROVED BY THE
DIRECTOR OF PARKS & RECREATION OR DESGINEE.

ALL VALVES SHALL BE WITHIN THREE (3) INCHES FROM THE BOTTOM OF VALVE
BOX LID AND THREE (3) INCH MINIMUM OF DEPTH FROM THE BOTTOM OF THE
VALVE TO THE GRAVEL LAYER IN THE VALVE BOX.

ALL VALVE BOXES SHALL BE SET FLUSH WITH FINAL GRADE.

ALL VALVE BOXES SHALL BE BRANDED WITH ASSOCIATED VALVE NUMBER.

ALL LINES (PIPE AND ELECTRICAL) SHALL BE SLEEVED UNDER HARDSCAPES. SLEEVE LOCATIONS SHALL BE MARKED WITH AN "X" IN THE HARDSCAPE.

**IRRIGATION – MAINTENANCE**

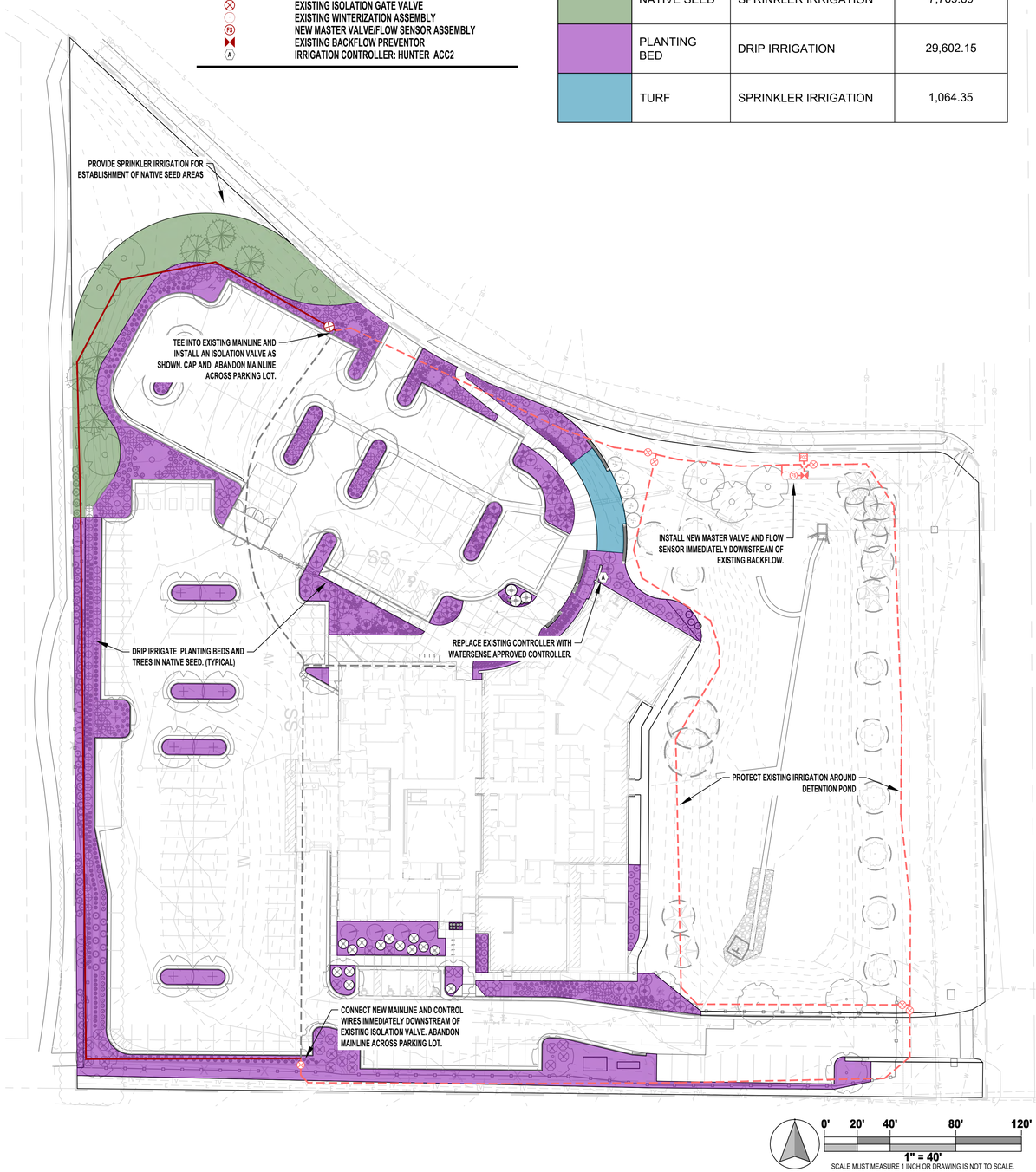
THE CONTRACTOR SHALL ENSURE THAT ALL PLANT MATERIALS, SOD, AND
SEEDED AREAS ARE WATERED AS NECESSARY UNTIL FINAL ACCEPTANCE HAS
BEEN GRANTED.

CONTRACTOR SHALL BE RESPONSIBLE FOR MONTHLY WATER APPLICATION
ADJUSTMENTS, CLEANING OF ALL FILTERS AND SCREENS, ANNUAL BACKFLOW
PREVENTION TESTING, AND SPRING TURN ON AND WINTER BLOW OUTS UNTIL
SUBSTANTIAL COMPLETION OR FINAL ACCEPTANCE.

**IRRIGATION LEGEND**

- NEW MAINLINE: SCH 40 PVC
- EXISTING MAINLINE MAINLINE TO REMAIN
- EXISTING MAINLINE TO BE ABANDONED
- EXISTING POINT OF CONNECTION
- EXISTING ISOLATION GATE VALVE
- EXISTING WINTERIZATION ASSEMBLY
- NEW MASTER VALVE/FLOW SENSOR ASSEMBLY
- EXISTING BACKFLOW PREVENTOR
- IRRIGATION CONTROLLER: HUNTER ACC2

| Ground Cover Schedule | | | |
|---|---|---|---|
| Hatch | Name | Description | Area (S.F.) |
| | NATIVE SEED | SPRINKLER IRRIGATION | 7,769.89 |
| | PLANTING BED | DRIP IRRIGATION | 29,602.15 |
| | TURF | SPRINKLER IRRIGATION | 1,064.35 |





D2C ARCHITECTS

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| MARK | DESCRIPTION | DATE | APPR |
|---|---|---|---|

ISSUE DATE: SEPTEMBER 29, 2025
CONSULTANT'S PROJECT #: 240687-000
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:
DESIGN BY: AL
D2C PROJECT NUMBER: 202420
DRAWN BY: AL
CKD BY: TG
SBMT BY: TG
PLOT DATE:
PLOT SCALE:
FILE NAME:
SIZE: 22" x 34"

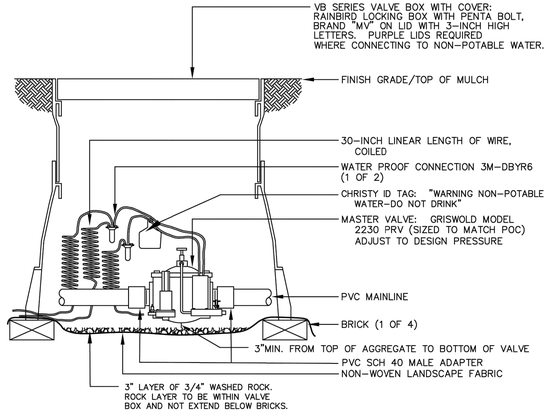
***PROGRESS SET***

NOT FOR CONSTRUCTION

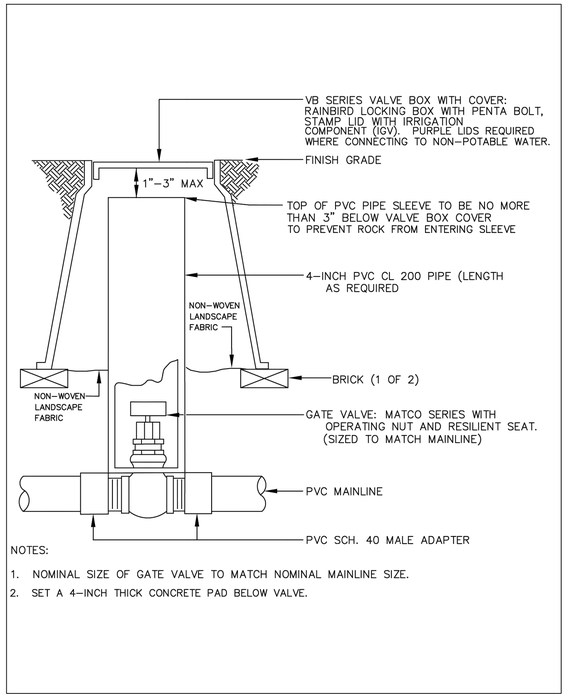
TOWN OF ERIE
# ERIE PD - ADDITION & RENOVATION
1000 TELLEEN AVENUE, ERIE, COLORADO 80516

PRELIMINARY IRRIGATION PLAN

SHEET IDENTIFICATION
IR-1



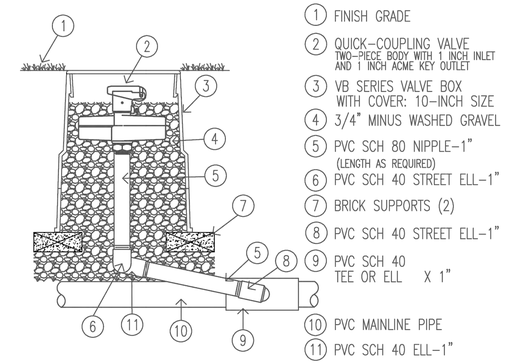

1 MASTER VALVE/
FLOW SENSOR ASSEMBLY




NOTES:

1. NOMINAL SIZE OF GATE VALVE TO MATCH NOMINAL MAINLINE SIZE.
2. SET A 4-INCH THICK CONCRETE PAD BELOW VALVE.

2 ISOLATION GATE VALVE
ASSEMBLY




NOTES:

1. FURNISH FITTINGS AND PIPING NOMINALLY SIZED IDENTICAL TO NOMINAL QUICK COUPLING VALVE INLET SIZE.

RAINBIRD 3 RC, 44 RC, 5 RC
QUICK COUPLING VALVE

SCALE: 1.5" = 1'-0" IRRIGATION DETAIL

OPTIONS:
☐ RC = YELLOW RUBBER COVER
☐ LRC = YELLOW LOCKING RUBBER COVER
☐ LRCR = PURPLE LOCKING COVER

3 QUICK COUPLING VALVE
ASSEMBLY

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ISSUE DATE: **SEPTEMBER 29, 2025**
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CONTRACT NO.:
FILE NUMBER:

DESIGN BY: AL
D2C PROJECT NUMBER 202420
DRAWN BY: AL
CKD BY: TG
SBMT BY: TG
PLOT DATE:
PLOT SCALE:
SIZE: 22" x 34"
FILE NAME:

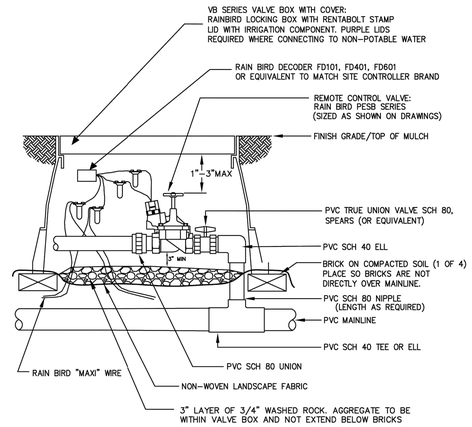
***PROGRESS SET***

NOT FOR CONSTRUCTION

TOWN OF ERIE
ERIE PD - ADDITION & RENOVATION
1000 TELLEEN AVENUE, ERIE, COLORADO 80516

PRELIMINARY IRRIGATION PLAN

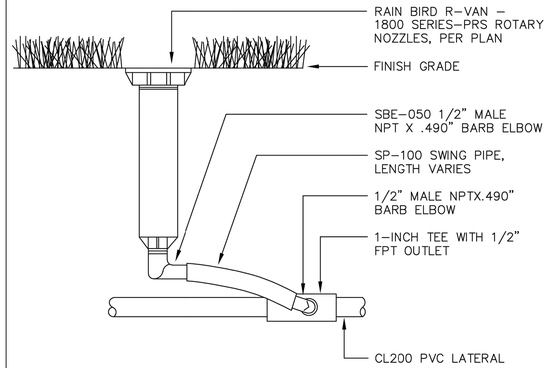
**SHEET IDENTIFICATION**
IR-2




NOTES:

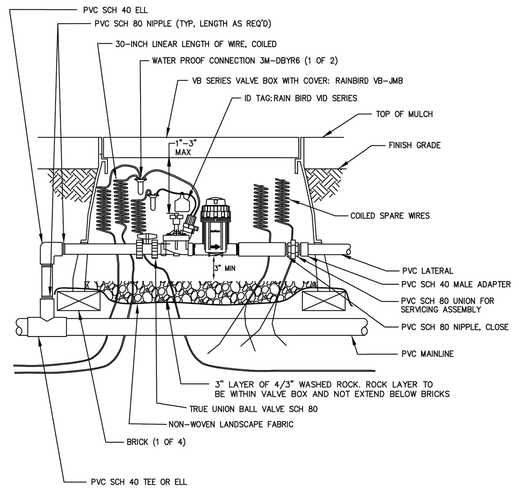
1. TWO-WIRE DRIP VALVES MUST INCLUDE RAIN BIRD XC2-100-B-COM KIT AS PART OF THE VALVE ASSEMBLY
2. 2-3 FOOT OF "MAXI" WIRE MUST BE EXPOSED IN VALVE BOX

## 1 REMOTE CONTROL VALVE ASSEMBLY



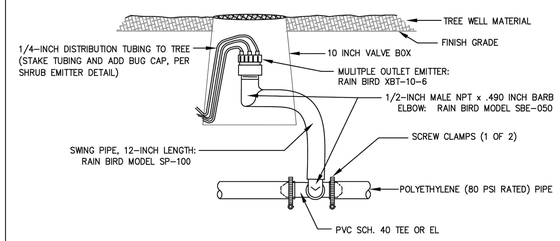

NOTE: PRS MAY NOT OPERATE PROPERLY IF NON-RAIN BIRD NOZZLES ARE SUBSTITUTED.

## 2 SPRINKLER ASSEMBLY



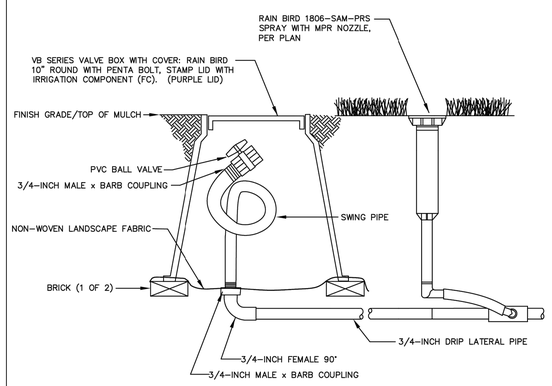

NOTE:
CONTROL ZONE KIT:
RAIN BIRD PEB XCZ-100-PRB-COM (INCLUDES BALL VALVE AND QKCHK200 BASKET FILTER)

## 3 DRIP REMOTE CONTROL VALVE ASSEMBLY




NOTE:
1. IF PVC PIPE IS UTILIZED, SOLVENT WELD TEE OR ELBOW SHALL BE USED.

## 4 TYPICAL EMITTER PLACEMENT & SCHEDULE




NOTE:
1. LOOP IRRIGATION DRIP TUBING INSIDE VALVE BOX FOR EXTENSION OUTSIDE OF BOX DURING BLOWOUT.

## 5 DRIP FLUSH CAP ASSEMBLY

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| CONSULTANT'S PROJECT # | 240667-000 |
| SOLICITATION NO.: | |
| CONTRACT NO.: | |
| FILE NUMBER: | |
| DESIGN BY: AL | |
| D2C PROJECT NUMBER 202420 | |
| DRAWN BY: AL | CKD BY: TG |
| SBMT BY: TG | PLOT DATE: |
| PLOT SCALE: | FILE NAME: |
| SIZE: 22" x 34" | |

***PROGRESS SET***

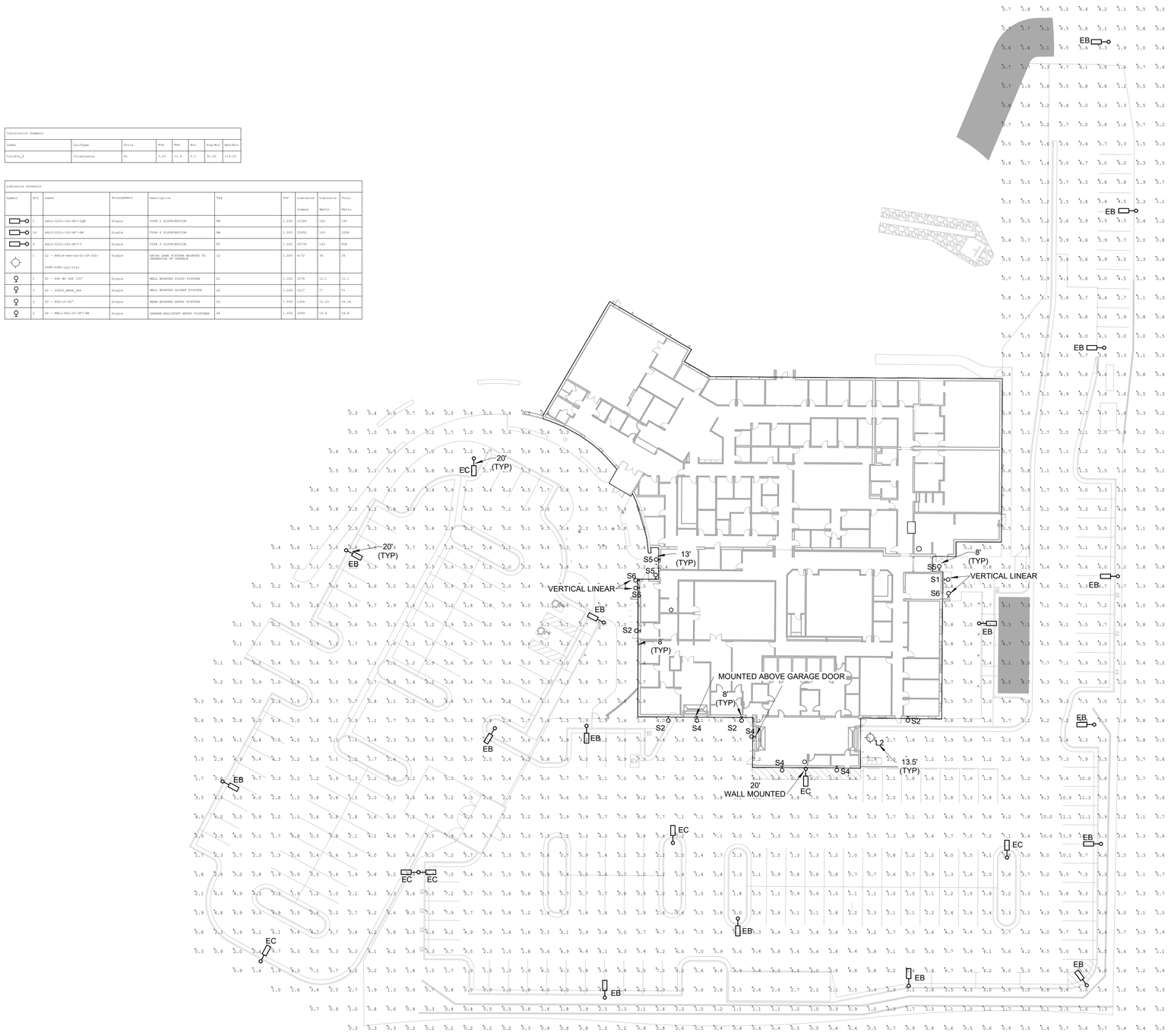
NOT FOR CONSTRUCTION

TOWN OF ERIE
ERIE PD - ADDITION & RENOVATION
1000 TELLEEN AVENUE, ERIE, COLORADO 80516
PRELIMINARY IRRIGATION PLAN

**SHEET IDENTIFICATION**
IR-3

| Calculation Summary | | | | | | | |
|---|---|---|---|---|---|---|---|
| Label | CalcType | Units | Avg | Max | Min | Avg/Min | Max/Min |
| CalcPts_E | Illuminance | Fc | 3.03 | 11.9 | 0.1 | 30.30 | 119.00 |

| Luminaire Schedule | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Symbol | Qty | Label | Arrangement | Description | Tag | LLF | Luminaire Lumens | Luminaire Watts | Total Watts |
| | 6 | A4L2-320L-145-4K7-5QW | Single | TYPE 5 DISTRIBUTION | EA | 1.000 | 21024 | 143 | 143 |
| | 16 | A4L2-320L-145-4K7-4W | Single | TYPE 4 DISTRIBUTION | EB | 1.000 | 20452 | 143 | 2288 |
| | 6 | A4L2-320L-145-4K7-3 | Single | TYPE 3 DISTRIBUTION | EC | 1.000 | 20738 | 143 | 858 |
| | 1 | L2 = RP014-www-xx-DL-CP-30L-4080-D24C-yyy-zzzz | Single | DRIVE LANE FIXTURE MOUNTED TO UNDERSIDE OF TRELLIS | L2 | 1.000 | 4172 | 36 | 36 |
| | 1 | S1 = PSS MC 40K 100" | Single | WALL MOUNTED FLOOD FIXTURE | S1 | 1.000 | 1078 | 15.1 | 15.1 |
| | 3 | S2 = 24SQ_BEGA_IN3 | Single | WALL MOUNTED ACCENT FIXTURE | S2 | 1.000 | 1217 | 17 | 51 |
| | 2 | S3 = PSS-12-40T | Single | WASH MOUNTED ENTRY FIXTURE | S3 | 1.000 | 1324 | 12.03 | 24.06 |
| | 2 | S4 = RML1-48L-20-3KT-4W | Single | GARAGE/SALLYPORT ENTRY FIXTURES | S4 | 1.000 | 2569 | 19.9 | 39.8 |




N
TRUE NORTH

**1 ELECTRICAL SITE PHOTOMETRIC PLAN**
SPP-001 1" = 30'-0"

0' 15' 30' 60'

## SITE ELEC GENERAL NOTES:

1. REFER TO SHEET E-006 FOR LIGHTING FIXTURE SCHEDULE.
2. REFER TO LANDSCAPE DRAWINGS FOR ALL SITE FIXTURE LOCATIONS MOUNTED IN HARDSCAPE OR SOFTSCAPE. FIXTURE LOCATIONS ARE DIAGRAMMATIC. THE INTENT IS TO ALIGN, CENTER, OR SPACE FIXTURES BETWEEN ARCHITECTURAL AND LANDSCAPE ELEMENTS.
3. ALL LANDSCAPE OR EXTERIOR BUILDING LIGHTING SHALL BE CONTROLLED VIA THE LIGHTING CONTROL SYSTEM.
4. REFER TO ARCHITECTURAL EXTERIOR ELEVATIONS FOR ALL FIXTURE LOCATIONS ON THE EXTERIOR OF THE BUILDING. FIXTURE LOCATIONS ARE DIAGRAMMATIC. THE INTENT IS TO ALIGN, CENTER, OR SPACE FIXTURES BETWEEN ARCHITECTURAL AND STRUCTURAL ELEMENTS.
5. PROVIDE A MINIMUM 1" PVC CONDUIT FOR ALL UNDERGROUND BRANCH CIRCUITS. ALL 90DEGREE ELBOWS SHALL BE PVC COATED RIGID.
6. ALL BACK BOXES SHALL BE FLUSH MOUNTED UNLESS NOTED OTHERWISE. ALL VERTICAL SECTIONS OF CONDUIT SHALL BE CONCEALED. CONTRACTOR SHALL COORDINATE INSTALLATION OF CONDUIT AND BACK BOXES IN CONCRETE, MASONRY AND GYP. WALLS.

KEYNOTES


D2C ARCHITECTS
me engineers



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DENVER, COLORADO
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| MARK | DESCRIPTION | DATE | APPD |
|---|---|---|---|

| | |
|---|---|
| DESIGN BY: MEE | ISSUE DATE: OCT 14, 2025 |
| DZC PROJECT NUMBER 202420 | CONSULTANTS PROJECT # |
| DRAWN BY: MEE | CKD BY: MEE |
| | SOLICITATION NO.: |
| SBMT BY: MEE | PLOT DATE: 10/8/2025 10:42:45 AM |
| | CONTRACT NO.: |
| PLOT SCALE: 1" = 30'-0" | FILE NUMBER: |
| SIZE: 22" x 34" | FILE NAME: |

***DESIGN DEVELOPMENT***

NOT FOR CONSTRUCTION

TOWN OF ERIE
ERIE PD - ADDITION & RENOVATION
1000 TELLEEN AVENUE, ERIE, COLORADO 80516

ELECTRICAL SITE PHOTOMETRIC PLAN

**SHEET IDENTIFICATION**
SPP-001

SPP-001-

EA,EB,EC

EXO OUTDOOR LIGHTING

# SLING Micro Strike

AREA/SITE/ROAD LIGHTER

DATE: | LOCATION:

TYPE: EA & EB | PROJECT: ERIE PD

CATALOG #: | MOUNTING HEIGHT 20 FEET

## FEATURES

- Compact sleek design with multiple LED configurations and simple installation
- The SLING includes a square mounting block for easy pole installation or mast arm option for 2-3/8 ft OD roadway brackets
- Capable of replacing up to 1000w HID luminaires
- Micro Strike optical distributions of Type 2, 3, 4F, 4W or 5QW
- Tool-less entry option for easy installation and maintenance
- 3G rated for high vibration applications including bridges and overpasses

## CONTROL TECHNOLOGY

LIGHTGRID

## SERVICE PROGRAMS

QS10

## SPECIFICATIONS

### CONSTRUCTION

- Die-cast housing with hidden vertical heat fins that are optimal for heat dissipation while keeping a clean smooth outer surface
- Corrosion resistant, die-cast aluminum housing with powder coat paint finish
- Separate optical and electrical compartment for improved thermal management and optimum component operation
- TGIC thermoset polyester powder paint finish applied at nominal 2.5 mil thickness

### OPTICS

- Entire optical aperture illuminates to create a larger luminous surface area resulting in a low glare appearance without sacrificing optical performance
- Premium engineered individual acrylic lenses deliver IES Type 2, 3, 4F, 4W and 5QW distributions
- Lens distributions are field rotatable (in 90° increments) or exchangeable for job site fine-tuning
- 3000K, 4000K or 5000K (70 CRI) CCT
- 80, 160 or 320 midpower LEDs
- 3000K, 4000K or 5000K (70 CRI) CCT
- Zero uplight at 0 degrees of tilt
- Field rotatable optics

### INSTALLATION

- Tool-less entry to wiring/driver compartment optional
- Arm mounting works with S2 drill pattern
- Fixture ships with square mounting block for ease of installation
- Mast arm fitter accessory or option available for 2-3/8" OD brackets with vertical tilt of +3°, 0° or -3°

### ELECTRICAL

- Universal 120-277 VAC or 347-480 VAC input voltage, 50/60 Hz
- Ambient operating temperature -40° C to 40° C
- Drivers have greater than 90% power factor and less than 20% THD
- LED drivers have output power over-voltage, over-current protection and short circuit protection with auto recovery
- Standard 6kV surge protection with optional field replaceable surge protection device provides 20KA and 10KV protection meeting ANSI/IEEE C62.41.2 Category C High and Surge Location Category C3; Automatically takes fixture off-line for protection when device is consumed

### CONTROLS

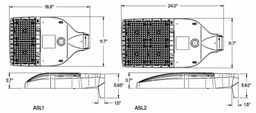
- Photo control, occupancy sensor and Zigbee wireless available for complete on/off and dimming control
- 7-pin ANSI C136.41-2013 photocontrol receptacle option available for twist lock photocontrols or wireless control modules (control accessories sold separately)
- Dimming Drivers are standard and dimming leads are extended out of the luminaire unless control options require connection to the dimming leads. Must specify if wiring leads are to be greater than the 6
- Please consult brand or sales representative when combining control and electrical options as some combinations may not operate as anticipated depending on your application

### CERTIFICATIONS

- Listed to UL898 and CSA C22.2#250.0-24 for wet locations and 40°C ambient temperatures
- DLC® (DesignLights Consortium Qualified), with some Premium Qualified configurations. Not all product variations on this page are DLC Qualified. Refer to http://www.designlights.org/ for the most up-to-date list.
- 3G rated for ANSI C136.31 high vibration applications
- IP65 optical assembly
- Meets IDA recommendations using 3K CCT configuration at 0 degrees of tilt
- This product meets federal procurement law requirements under the Buy American Act (FAR 52.225-9) and Trade Agreements Act (FAR 52.225-11). See Buy America(n) Solutions (link to https://www.currentlighting.com/resources/america-solutions)

### WARRANTY

- 5 Year warranty




| | Weight lbs. (kg) | EPA |
|---|---|---|
| ASL1 | 14.47 (6.56) | .46ft² 0.43m² |
| ASL2 | 17.47 (7.92) | .56ft² 0.52m² |

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EXO OUTDOOR LIGHTING

# SLING Micro Strike

AREA/SITE/ROAD LIGHTER

DATE: | LOCATION:

TYPE: EA & EB | PROJECT: ERIE PD

CATALOG #:

Gray Shading = Service Program Limit of 15 luminaires QS10

## ORDERING GUIDE

CATALOG # _____ Example: ASL1-80L-50-3K7-2-UNV-ASQU-BLT-7PRMD-40F

## ORDERING INFORMATION

| Series | # LEDs | CCT/CRI | Distribution | Voltage | Mounting |
|---|---|---|---|---|---|
| ASL1 ASL Microstrike Series | 80L-25 3,000 lm | 3K7 3000K, 70 CRI | 2 Type II | UNV Universal 120-277V | A Arm for Square poles with S2 drill pattern |
| | 80L-39 4,500 lm | 4K7 4000K, 70 CRI | 3 Type III | 120 120V | A3 Square Arm with 3.25"-3.75" OD RPA3 Adapter |
| | 80L-50 6,000 lm | 5K7 5000K, 70 CRI | 4F Type 4F | 208 208V | A4 Square Arm with 3.875"-4.5" OD RPA4 Adapter |
| | 160L-70 8,000 lm | | 4W Type 4W | 240 240V | A5 Square Arm with 5" OD RPA5 Adapter |
| | 160L-100 12,000 lm | | 5QW Type 5QW | 277 277V | MAF Mast Arm Fitter for 2-3/8" OD |
| | 160L-115 15,000 lm | | | 347 347V | |
| | 160L-135 18,000 lm | | | 480 480V | |
| ASL2 ASL Microstrike Series | 320L-145 21,000 lm | | | | |
| | 320L-170 24,000 lm | | | | |
| | 320L-185 27,000 lm | | | | |
| | 320L-210 30,000 lm | | | | |
| | 320L-235 33,000 lm | | | | |
| | 320L-255 36,000 lm | | | | |

| Network Control Options | |
|---|---|
| NXWS16F | NX Networked Wireless Enabled Integral NXSMP2-LMD PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming 1,2,4 |
| NXWS40F | NX Networked Wireless Enabled Integral NXSMP2-HMD PIR Occupancy Sensor with Automatic Dimming Photocell and Bluetooth Programming 1,2,4 |
| NXW | NX Networked Wireless Radio Module NXRM2 and Bluetooth Programming, without Sensor 3,4 |
| **Stand Alone Sensors** | |
| 7PR | 7 Pin Receptacle |
| 7PR-SC | 7 Pin Receptacle with shorting cap |
| 7PR-MD8F | 7 pin receptacle with low voltage sensor at 8' mounting for external control accessory |
| 7PR-MD40F | 7 pin receptacle with low voltage sensor at 40' mounting for external control accessory |
| 7PR-TL | 7 Pin Receptacle with Photocontrol |
| **Sensors** | |
| BTS_F | Bluetooth Programmable, PIR Occupancy/Daylight Sensor, 360° lens 3,4 |
| BTSO_F | Bluetooth Programmable, PIR Occupancy/Daylight Sensor, 360° lens, up to 12' mounting height 3,4 |

| Options | |
|---|---|
| F1 | Fusing |
| BC | Backlight Control |
| SP | 20kA & 10kV Surge Protector |

| Color | |
|---|---|
| BLT | Black Matte Textured |
| BLS | Black Gloss Smooth |
| DBT | Dark Bronze Matte Textured |
| DBS | Dark Bronze Gloss Smooth |
| GTT | Graphite Matte Textured |
| LGS | Light Grey Gloss Smooth |
| LGT | Light Grey Matte Textured |
| PSS | Platinum Silver Smooth |
| WHT | White Matte Textured |
| WHS | White Gloss Smooth |
| VGT | Verde Green Textured |
| **Color Option** | |
| CC | Custom Color |

Notes:
1 Must specify Voltage
2 Replace "_" with "14" for up to 14' mounting height, "40F" for 15-40' mounting height
3 Replace "_" with "12" for up to 12' mounting height
4 Available at 50W or higher only




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L2

PROJECT INFORMATION Job Name: ERIE PD | Fixture Type: L2 | Catalog Number: | Approved by:

# HELOS™

## Luminaires for Parking Garages

### HPG14 SERIES

**PRODUCT FEATURES:**

- Unique hexagonal light guide with edge-lit LED light engine provides three distribution options - Type V, Rectangular and Drive Lane
- Lightweight construction (7 lbs) for ease of installation
- Nominal output range of 4,000 to 12,000 lm
- Compatible with TekLink™ lighting control technology

## SPECIFICATIONS

**HOUSING:** Die-cast aluminum and UV-stabilized polycarbonate construction. Standard TGIC polyester powder coat finish on aluminum components with five-step pre-treatment to withstand 1,000 hour salt spray test per ASTM B117. See Ordering Information for available finishes. Closed-cell gasketing seals all housing component interfaces.

**MOUNTING:** Direct-to-Surface (DTS) mounts over recessed electrical box to ceiling, Quick-Mount (QM) mounts to either surface or recessed electrical box, Trunnion Mount (TK) or pendant-mounted (PM) via ¾" rigid sealed conduit. See Ordering Information for selection. Fixture weight is 7 lbs.

**OPTICAL:** Type V-Wide (5W), Rectangular Wide (RW) and Drive Lane (DL) optical distribution options. Light guide outer lens constructed of clear UV-stabilized polycarbonate.

**ELECTRICAL:** Edge-lit mid-power LED light source. See Ordering Information for color temperature options. 80 CRI minimum. 120-277 VAC, 347VAC and 480VAC 50/60hz input; constant-current dimming driver; <20% THD, >0.90 PF. Minimum 83% electrical efficiency. 0-10V dimming protocol with 1-100% range and dim-to-dark capabilities, 0.2mA source current (90, lamp is 10-100% dimming with dim-to-dark capabilities, 0.45mA source current). Surge and transient protection rated at 6kV per ANSI C62.41-2002 and 10kV per ANSI C82.77-5 2015. 20kA max. transient protection (L-N). Replaceable surge suppressor. Driver is EMC compliant with FCC 47 CFR Part 15, Class B. Passes IEC 61000-4-4 EFT and IEC 61000-4-5 (Class 4) surge evaluation.

**TEKLINK™ TL50M/TL50DM:** An independent lighting control system integral to the luminaire, featuring its own embedded occupancy sensor and adjustable time-out/dimming settings. TL50DM adds a closed-loop daylight harvesting function for maximum energy savings.

**TEKLINK™ TL100:** Centralized, wired zonal occupancy and closed-loop daylight harvesting control system. TL100 controllers are standalone devices and ordered separately from luminaire. Click here for specifications.

**TEKLINK TL200DM/TL200DM:** A wireless, zonal occupancy control Bluetooth® Low Energy system (BLE v5.2) with embedded sensor. Mobile app for Android and iOS device allows changes to time-out period, turn-off delay and light level. System commissioning is not required - network is operational upon power-up. TL200DM adds the daylight harvesting function for maximum energy savings.

**TEKLINK™ TL1000/2000:** An adaptive lighting control system with wired or wireless communication between system nodes. In addition to occupancy detection and daylight harvesting, TL1000 and TL2000 feature advanced scheduling and energy management capabilities with cloud-based management of system settings, task tuning, power/energy monitoring, reporting and notifications. TL1000 utilizes wired (shielded twisted pair) communication to exchange information built on the CAN bus protocol. TL2000 uses wireless communication (900 MHz), designed to the IEEE 802.15.4 standard.

**SENSOR & CONTROLS:** Optional sensor available with compatible third party controls. To see the full list of compatible controls, click here.

**PHOTOMETRICS:** Photometry tested to the IESNA LM-79-08 standard by an ILAC/ISO17025 accredited laboratory. For photometric data, please go to www.kenall.com.

**WARRANTY:** Limited five (5) year warranty. Peace of Mind Guarantee® when ordered and installed with direct-to-surface (DTS) mounting.

**LISTINGS:** Luminaire is certified to UL Standards by Intertek Testing Laboratory for Wet Location. IP66 rating per IEC 60598 standard. Suitable for installation into -35°C to 40°C ambient environments, unless otherwise noted. Passes 3G vibration test per ANSI C136.31-2001. DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Visit https://qpl.designlights.org/ to confirm qualification.

LED | ETL | IP66 | 3G | PEACE OF MIND Guarantee® DIRECT SURFACE MOUNT ONLY | DLC LISTED | DLC LISTED PREMIUM

## ORDERING INFORMATION (Ex: HPG14-PM-MW-5W-CP-50L-40K8-DIM1-DV-FS-TL200M)

HPG14 — Mounting — Finish — Optic Type — Lens Type — Lamp Power — Lamp Color — Driver Type — Voltage — Options — Accessories — TekLink — Controls Kit < >

**Mounting**
- DTS Direct-to-Surface
- PM Pendant Mount
- TK Trunnion Kit
- QM Quick Mount System

**Finish**
- MW Matte White (STD)
- LG Light Gray
- CC Custom Color (consult factory)

**Optic Type**
- 5W Type V – Wide Circular
- RW Rectangular – Wide
- DL Drive Lane / Type 4

**Lens Type**
- CP Clear Polycarbonate

**Lamp Power**
- 30L 30W LED (DL optic only)
- 35L^ 35W LED
- 40L^ 40W LED
- 50L^ 50W LED
- 70L* 70W LED
- 90L* 90W LED

**Lamp Color**
- 30K8 3000K(80CRI) min
- 35K8 3500K(80CRI) min
- 40K8 4000K(80CRI) min
- 50K8 5000K(80CRI) min

**Driver Type**
- DIM1 0-10V Dimming to 1% with Dim-to-Dark (70L max.)
- DIM10+ 0-10V Dimming to 10% with Dim-to-Dark

**Voltage**
- DV 120-277 Volts (50/60Hz)
- 347 347 Volts (60Hz)
- 480 480 Volts (60Hz)

**Options**
- LEL^ Integral 10W Emergency Battery Backup (0°C min. ambient)
- CEL^ Integral 10W Cold Weather Battery Backup (-20°C min ambient , requires separate housing enclosure - see Dimensional Data)
- GTDU* UL924 and UL1008 Listed Switch Bypass/Lighting Transfer Switch with 0-10V Dimming Override (not available with LEL/CEL Option)
- FS Single Fuse & Holder
- BG Bird Guard (DTS and QM Mounting only)

**Accessories**
- BD Bird Deterrent (PM and TK Mounting only)

**TekLink**
- TL50M* Non-Networked Control - Motion Only (Click here for specifications)
- TL50DM* Non-Networked Control -Daylight Harvesting and Motion Sensing (Click here for specifications)
- TL200M* Wireless Networked Control - Motion Only (Click here for specifications)
- TL200DM* Wireless Networked Control -Daylight Harvesting and Motion Sensing (Click here for specifications)
- TL1000* Wired Network Control - Advanced (Click here for specifications)
- TL2000* Wireless Network Control - Advanced (Click here for specifications)

Please consult Kenall Applications when ordering controls. When specifying with integral controls, a mounting height of 10-14' is recommended for optimal sensor coverage; 20' maximum with reduced coverage.

**Controls Kit**
- < > Factory Assigned Internal Code

^ Not available with DL optic
* Not available with DL and RW optic
+ DV input voltage only. Not available with 90L lamp power.
• 90L lamp only. DV input voltage only.

KENALL | www.kenall.com | P: 800-4-Kenall | F: 262-891-9700 | 10200 55th Street Kenosha, Wisconsin 53144, USA
A brand of Legrand
This product can comply with the latest domestic preference legislation, such as the Buy American Act (BAA), Trade Agreement Ace (TAA), Build America, Buy America Act (BABA), and others. It may be covered by patents found at www.kenall.com/patents.Content of specification sheets is subject to change; please consult www.kenall.com for current product details. ©2024 Kenall Mfg. Co.

HPG14-031324

D2C ARCHITECTS
me engineers


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DENVER, COLORADO


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| MARK | DESCRIPTION | DATE | APPR |
|---|---|---|---|
| | | | |

ISSUE DATE: OCT 14, 2025
CONSULTANTS PROJECT #:
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:

DESIGN BY: MEE
D2C PROJECT NUMBER 202420
DRAWN BY: MEE
CKD BY: MEE
SBMT BY: MEE
PLOT DATE: 10/8/2025 10:42:47 AM
PLOT SCALE: 1
SIZE: 24" x 36"
FILE NAME:

**DESIGN DEVELOPMENT**

NOT FOR CONSTRUCTION

TOWN OF ERIE
ERIE PD - ADDITION & RENOVATION
1000 TELLEEN AVENUE, ERIE, COLORADO 80516

ELECTRICAL SITE PHOTOMETRIC PLAN CUTSHEETS

SHEET IDENTIFICATION
SPP-002

SPP-002-

S1

# insight lighting

## PROSPOT 6

PERFORMANCE PROJECTOR | COLOR CHANGING + TUNABLE WHITE

PROJECT: ERIE PD TYPE: S1 CAT. #: PS6 - SO - ____ - Q - ____ - ____ - ____ - DMXFX - ____ - ____

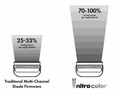
### PROFILE

| | |
|---|---|
| LIGHT SOURCE | STANDARD OUTPUT (25W) |
| OPTICS | 10°, 20°, 40°, 60°, 100°, HSL, OPTICAL KIT |
| CCT | RGBA, RGB22K, RGB27K, RGB30K, RGB35K,RGB40K, RGRYB40, TUNABLE WHITE (2200K-6500K) |
| PERFORMANCE | UP TO 35.4 LM/W, 11,455 PEAK CANDELA |
| VOLTAGE | 120V OR 277V |
| POWER | INTEGRATED POWER SUPPLY |
| CABLE COLOR | BLACK, OPTIONAL WHITE |
| CONTROL | DMX 512+RDM, FIXTURE RESOLUTION |
| WEIGHT | 7 LBS |
| EPA (NO ACCESSORY) | FRONT: 0.27 FT², SIDE: 0.16 FT² |
| HOUSING | HEAVY DUTY A380 DIE-CAST ALUMINUM |
| LENS | TEMPERED GLASS |
| FINISH | HIGH DURABILITY POWDER COATING |
| WARRANTY | 5-YEAR LIMITED |
| OPERATING TEMP | -40° C TO 50° C |
| LUMEN MAINTENANCE | 100,000 HOURS |
| CERTIFICATION | ETL , CETL IP66, IK09, 3G OPTION, COMPLIES WITH BUY AMERICAN ACT OPTION |

POWERED BY nitrocolor

### FINISHES

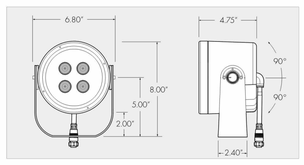
### NITRO COLOR TECHNOLOGY




### QUAD CLUSTER LED CONFIGURATION

The quad array integrates multiple colors (i.e. red, green, blue, white) into a single location for immediate and superior color saturation. This is ideal for direct line of sight applications where the face of the fixture is visible, creating color consistency between the luminaire and the illuminated surface. LED color combinations may be customized to suit any application (i.e. royal blue, cyan, lime, white, etc.). Please contact the factory for special branding requirements.

### PROFILE




### OPTIONS

# insight lighting

## PROSPOT 6

PERFORMANCE PROJECTOR | COLOR CHANGING + TUNABLE WHITE

PROJECT: ERIE PD TYPE: S1 CAT. #: PS6 - SO - ____ - Q - ____ - ____ - ____ - DMXFX - ____ - ____

### SPECIFICATION

PS6 | MO | ____ | Q | ____ | ____ | DMXFX | ____ | ____ (Separate options with dashes)

■ 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10

**1 FIXTURE**
PROSPOT 6 — PS6

**2 WATTAGE**
STANDARD OUTPUT 25 W — SO

**3 CCT**

| | |
|---|---|
| RED, GREEN, BLUE, AMBER | RGBA |
| RED, GREEN, BLUE, 22K | RGB22 |
| RED, GREEN, BLUE, 27K | RGB27 |
| RED, GREEN, BLUE, 30K | RGB30 |
| RED, GREEN, BLUE, 35K | RGB35 |
| RED, GREEN, BLUE, 40K | RGB40 |
| RED, GREEN, ROYAL BLUE, 40K | RGRYB40 |
| TUNABLE WHITE (Kelvin tunable 2200K-6500K) | AWH |

**4 LED CONFIGURATION**
QUAD CLUSTER — Q

**5 OPTICS**

| | |
|---|---|
| 10° | 10 |
| 20° | 20 |
| 40° | 40 |
| 60° | 60 |
| 100° | 100 |
| HORIZONTAL SPREAD LENS (Converts 10° to 10° X 60°) | HSL |
| OPTICAL KIT (Optical kit for field adjustable beam spreads. Converts 10° into 20°, 40°, 60°, HSL) | OK |

**6 MOUNTING**

| | |
|---|---|
| TRUNNION (3G ANSI 136.31 rated. A leader cable is required. Must order separately. See below for details.) | TR |
| KNUCKLE | KN |
| PENDANT (X = pendant length. See page 4 for details. Available as downlight only) | PNS-X |
| EXTENDED ARM (X = extended arm length. See page 5 for details.) | EXA-X |
| STAKE | STK |
| CEILING | CM |

**7 VOLTAGE**

| | |
|---|---|
| 120V | 120 |
| 277V | 277 |

**8 CONTROLS**
DMX FIXTURE RESOLUTION — DMXFX
All fixtures are shipped from the factory with default set of address 1.
Fixtures are not pre-addressed or labeled at the factory. A **DMXCAT** tool is required for on-site fixture resolution and addressing. Must be ordered separately. See DMX Tool options below.
A CDS/RDM Distribution Kit is required. Must be ordered separately. See DMX Tool options below. DMX controls are required. Must be ordered separately.

**9 FINISH**

| | |
|---|---|
| TEXTURED WHITE | TW |
| TEXTURED BLACK | TBL |
| TEXTURED GREY | TG |
| TEXTURED BRONZE | TBR |
| TEXTURED LIGHT BRONZE | TLB |
| TEXTURED NATURAL | TN |
| TEXTURED SANDSTONE | TS |
| CUSTOM COLOR (Contact factory for custom color. Additional charges will apply.) | CC |

**10 OPTIONS** See page 8 >

| | |
|---|---|
| VISOR ACCESSORY (Field installable) | VS |
| SNOOT ACCESSORY (Field installable.) | SN |
| WIRE GUARD ACCESSORY (Field installable.) | WG |
| POLE MOUNT (Available with Trunnion mount only. See de X = Outside pole diameter. See list below. PM-4-4.5 (Ø4.0"-4.5" pole diameters) PM-4.5-5 (Ø4.5"-5.0" pole diameters) PM-5-5.5 (Ø5.0"-5.50" pole diameters) PM-5.5-6 (Ø5.50"-6.0" pole diameters) PM-6-6.5 (Ø6.0"-6.5" pole diameters)) | PM-X |
| 2.38" TENON ADAPTOR (Field installable.) | TA2 |
| 4.00" TENON ADAPTOR (Field installable.) | TA4 |
| CORROSION RES. FINISH (Corrosion resistant finish recommended for coastal or extreme weather environments.) | CRF |
| WHITE CABLING (White cabling & connectors. White fixtures are always provided with white cables. Black cables are provided for all other finishes unless WC option is specified.) | WC |
| TAMPER PROOF HARDWARE | TP |
| COMPLIES WITH BUY AMERICAN ACT | BAA |

### CABLES & DMX TOOLS (ORDER SEPARATELY)

| LEADER CABLES REQUIRED FOR TRUNNION MOUNT | PART NUMBERS BLACK | WHITE |
|---|---|---|
| 5.0 FT LEADER CABLE | EL12430-5-B | EL12430-5-W |
| 10.0 FT LEADER CABLE | EL12430-10-B | EL12430-10-W |

| T-CONNECTORS REQUIRED FOR PLUG & PLAY | PART NUMBERS BLACK | WHITE |
|---|---|---|
| 7" FT JUMPER CABLE | EL12289-1-B | EL12289-1-W |

| JUMPER CABLES FOR LINE VOLTAGE ONLY - OPTIONAL | PART NUMBERS BLACK | WHITE |
|---|---|---|
| 1.0 FT JUMPER CABLE | EL12288-1-B | EL12288-1-W |
| 2.0 FT JUMPER CABLE | EL12288-2-B | EL12288-2-W |
| 5.0 FT JUMPER CABLE | EL12288-5-B | EL12288-5-W |
| 10.0 FT JUMPER CABLE | EL12288-10-B | EL12288-10-W |
| 25.0 FT JUMPER CABLE | EL12288-25-B | EL12288-25-W |

A jumper cable is required for ProStart Plug & Play Starter with Surge Protection (see below for details)

| DMX TERMINATOR | PART NUMBERS BLACK | WHITE |
|---|---|---|
| DMX TERMINATOR (One required per DMX run) | EL12291-B | EL12291-W |

| DMX DISTRIBUTION KIT & ADDRESSING TOOL REQUIRED FOR DMX DIMMING | PART NUMBERS |
|---|---|
| CDS-RDM - DMX/RDM DISTRIBUTION KIT - IP67 (Consists of 4 output. Each output is limited to (1) run per output - up to 90 fixtures max) | SA27411 |
| DMX/RDM ADDRESSING & MONITORING TOOL (Uses Bluetooth LE technology for communication with the smartphone and the DMXcat app (up to a 50' range). Allows for on-site fixture resolution and addressing.) | SA27636 |



S2

Wall luminaire · Directed light

**BEGA**

**Application**
Wall luminaires with directed light distribution designed for general illumination of pathways and building entrances from various mounting heights.

**Materials**
Clear safety glass
Marine grade, copper free (≤0.3% copper content) A360.0 aluminum alloy
Silicone applied robotically to casting, plasma treated for increased adhesion
High temperature silicone gasket
Mechanically captive stainless steel fasteners
Pure anodized aluminum reflector

**NRTL** listed to North American Standards, suitable for wet locations
Protection class IP 65

**Weight:** 2.2lbs.

**Electrical**

| | |
|---|---|
| Operating voltage | 120-277VAC |
| Minimum start temperature | -30° C |
| LED module wattage | 14.0W |
| System wattage | 17.0W |
| Controllability | 0-10V, TRIAC, and ELV dimmable |
| Color rendering index | Ra > 80 |
| Luminaire lumens | 1217 lm |
| LED service life (L70) | 60000 hrs |

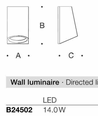
**LED color temperature**
☐ 4000K (K4)
☐ 3500K (K35)
☐ 3000K (K3)
☐ 2700K (K27)

**BEGA** can supply you with suitable LED replacement modules for up to 20 years after the purchase of LED luminaires - see website for details

**Finish**
All BEGA standard finishes are matte, textured powder coat with minimum 3 mil thickness. BEGA Unidure® finish provides superior fade protection in Black, Bronze, and Silver. BEGA standard White is a super durable polyester powder. Optionally available RAL, custom, and premium colors provided in polyester powder and/or liquid paint.

**Available colors**
☐ Black (BLK)
☐ Silver (SLV)
☐ Natural Bronze (NTB)
☐ CUS:
☐ Bronze (BRZ)
☐ White (WHT)
☐ RAL:

**Available options**
☐ CUS Custom finish
☐ FSC Fusing
☐ MGU Marine grade undercoat
☐ NTB Natural bronze (premium finish)
☐ RAL RAL finish




**Wall luminaire** · Directed light

| | LED | A | B | C |
|---|---|---|---|---|
| **B24502** | 14.0W | 4 3/8 | 7 1/2 | 5 1/4 |

**BEGA** 1000 BEGA Way, Carpinteria, CA 93013 (805) 684-0533 info@bega-us.com


Due to the dynamic nature of lighting products and the associated technologies, luminaire data on this sheet is subject to change at the discretion of BEGA North America. For the most current technical data, please refer to bega-us.com
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Updated 04/28/25


D2C ARCHITECTS
me engineers
D2C ARCHITECTS, INC.
DENVER, COLORADO


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| MARK | DESCRIPTION | DATE | APP'D |
|---|---|---|---|

ISSUE DATE: OCT 14, 2025
CONSULTANTS PROJECT #
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:
DESIGN BY: MEE
D2C PROJECT NUMBER 202420
DRAWN BY: MEE
CKD BY: MEE
SBMT BY: MEE
PLOT DATE: 10/8/2025 10:42:48 AM
PLOT SCALE:
FILE NAME:
SIZE: 22" x 34"

**DESIGN DEVELOPMENT**

NOT FOR CONSTRUCTION

TOWN OF ERIE
ERIE PD - ADDITION & RENOVATION
1000 TELLEEN AVENUE, ERIE, COLORADO 80516
ELECTRICAL SITE PHOTOMETRIC PLAN CUTSHEETS

**SHEET IDENTIFICATION**
SPP-003

SPP-003-

# S3

**insight lighting**

## PROSPOT 3

PERFORMANCE PROJECTOR | WHITE LIGHT AND STATIC COLORS

PROJECT: ERIE PD TYPE: S3 CATALOG #: PS3 · SO · · ·

BEACON
Smart. Local. Value-Driven.

# RATIO Wall

RWL1/RWL2 LED WALLPACK

DATE: | LOCATION:

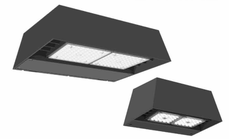
TYPE: S4 ERIE PD ERIE PD

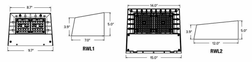
CATALOG #:

## FEATURES

- Low profile LED wall luminaire with a variety of IES distributions for lighting applications such as retail, commercial and industrial building mount
- Featuring Strike and Micro Strike Optics which maximizes target zone illumination with minimal losses at the house-side, reducing light trespass issues
- Visual comfort standard
- Control options including photo control, occupancy sensing, NX Distributed Intelligence™, LightGRID+ and 7-Pin with networked controls
- Battery Backup options available for emergency code compliance
- Quick-mount adapter allows easy installation/maintenance
- 347V and 480V versions for industrial applications and Canada

MICROSTRIKE | STRIKE OPTICS






| | Weight |
|---|---|
| RWL1 | 6.5 lbs / 2.95 kg |
| RWL2 | 16.5 lbs / 7.48 kg |

## CONTROL TECHNOLOGY

NX Connected NX Wireless NX Wired LIGHTGRID®

## SERVICE PROGRAM

QS10

## SPECIFICATIONS

### CONSTRUCTION

- Die-cast housing with hidden vertical heat fins that are optimal for heat dissipation while keeping a clean smooth outer surface
- Corrosion resistant, die-cast aluminum housing with powder coat paint finish
- Powder paint finish provides durability in outdoor environments. Tested to meet 1000 hour salt spray rating

### OPTICS

- Entire optical aperture illuminates to create a larger luminous surface area resulting in a low glare appearance without sacrificing optical performance
- 48 or 160 midpower LEDs
- 3000K, 4000K or 5000K (70 CRI/80 CRI) CCT
- Zero uplight distributions
- LED optics provide IES type II, III and IV distributions. Type II only available in RWL2 configurations

### INSTALLATION

- Quick-mount adapter provides easy installation to wall or to recessed junction boxes (4" square junction box)
- Designed for direct j-box mount.
- Integral back box contains 1/2" conduit hubs
- Integral backbox provided as standard with selection of some options

### ELECTRICAL

- 120V-277V universal voltage 50/60Hz 0-10V dimming drivers
- 347V and 480V dimmable driver option for all wattages above 35W
- Ambient operating temperature -40˚C to 40˚C
- Driver RoHS and IP66

### ELECTRICAL (CONTINUED)

- 10kV Surge Protector optional
- Drivers have greater than .90 power factor and less than 20% Total Harmonic Distortion
- Dual Driver option provides 2 drivers within luminaire but only one set of leads exiting the luminaire, where Dual Power Feed provides two drivers which can be wired independently as two sets of leads are extended from the luminaire. Both options can not be included in one same fixture.
- Dimming drivers are standard and dimming leads are extended out of the luminaire unless control options require connection to the dimming leads. Must specify if wiring leads are to be greater than 6" standard.

### CONTROLS

- Photo control, occupancy sensor and wireless available for complete on/off and dimming control
- Button photocontrol is suitable for 120-277V operation
- 7-pin ANSI C136.41-2013 photocontrol receptacle option available for twist lock photocontrols or wireless control modules (control accessories sold separately)
- NX Distributed Intelligence™ available with in fixture wireless control module, features dimming and occupancy sensor LightGRID+ available with in fixture wireless control module, features dimming and occupancy sensor
- Integral Battery Backup provides emergency lighting for the required 90 minute path of egress
- Battery Backup suitable for operating temperatures -25˚C to 40˚C. RWL1 battery is 12.5W RWL2 battery is 18W

### CONTROLS (CONTINUED)

- Dual Driver and Dual Power Feed options creates product configuration with 2 internal drivers for code compliance
- Please consult brand or sales representative when combining control and electrical options as some combinations may not operate as anticipated depending on your application.
- LightGRID+ available with in fixture wireless control module, features dimming and occupancy sensor. Also available in 7-pin configuration

### CERTIFICATIONS

- Certified to UL 1598 and CSA 22.2#250.0-24 for wet locations
- IP65 rated housing
- DLC® (DesignLights Consortium Qualified), with some Premium Qualified configurations. Not all product variations listed in this document are DLC® qualified. Refer to http://www.designlights.org for the most up-to-date list.
- Emergency battery backup options are California Energy Commission (CEC) Title 20 Compliant
- Meets IDA requirements using 3K CCT configuration at 0 degrees or tilt

### WARRANTY

- 5 year limited warranty



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BEACON
Smart. Local. Value-Driven.

# RATIO Wall

RWL1/RWL2 LED WALLPACK

DATE: | LOCATION:

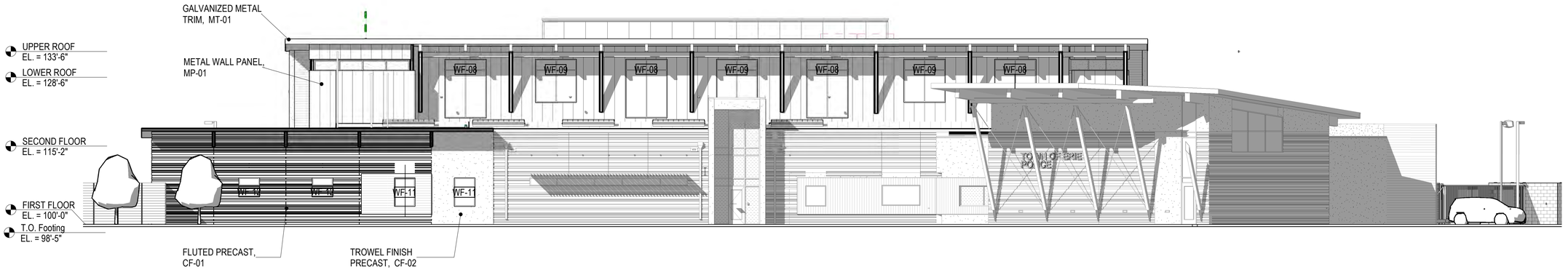
TYPE: | PROJECT:

CATALOG #:

Gray Shading = Service Program Limit of 15 luminaires QS10

## ORDERING GUIDE

CATALOG # | | |




## C1 | SDP BUILDING ELEVATION - NORTH

G-101 | 3/32" = 1'-0"

0' 5'-4" 10'-8" 21'-4"

## A1 | SDP BUILDING ELEVATION - SOUTH

G-101 | 3/32" = 1'-0"

0' 5'-4" 10'-8" 21'-4"

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MARK | DESCRIPTION | DATE | APPR.

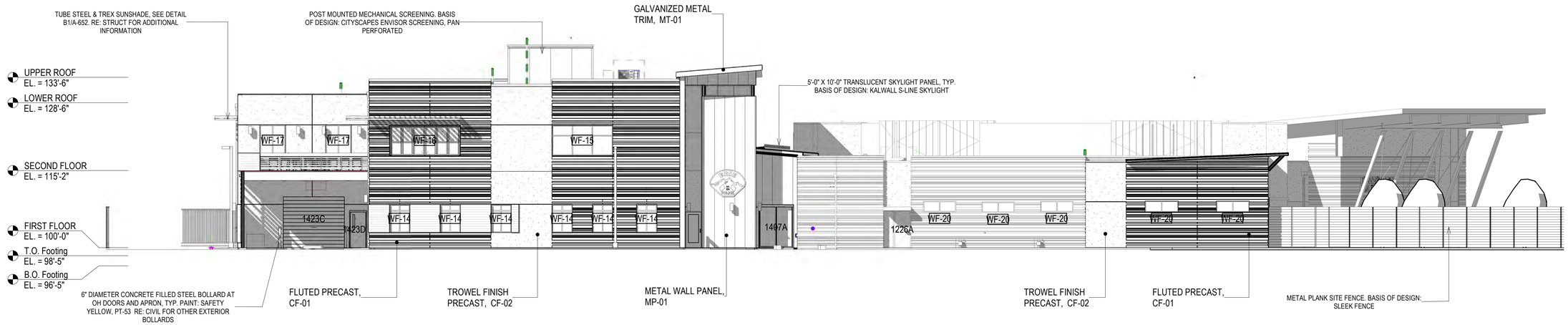
ISSUE DATE: AUGUST 8, 2025
CONSULTANTS PROJECT #
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:
DESIGN BY: BTD
D2C PROJECT NUMBER 202420
DRAWN BY: MM
CKD BY: BC
SBMT BY: Approver
PLOT DATE: 10/8/2025 2:21:07 PM
PLOT SCALE: 1:1=0"
SIZE: 22" x 34"
FILE NAME:

CONSTRUCTION DOCUMENTS

NOT FOR CONSTRUCTION

TOWN OF ERIE
# ERIE PD - ADDITION & RENOVATION
1000 TELLEEN AVENUE, ERIE, COLORADO 80516
SDP BUILDING ELEVATIONS

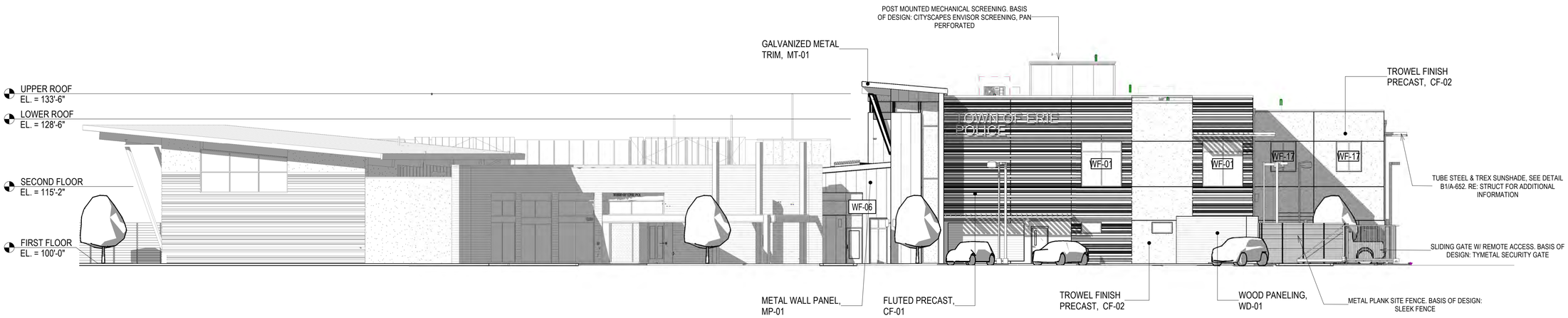
SHEET IDENTIFICATION
G-101




## C1 | SDP BUILDING ELEVATION - EAST

*G-102* | *3/32" = 1'-0"*

0' 5'-4" 10'-8" 21'-4"




## A1 | SDP BUILDING ELEVATION - WEST

*G-102* | *3/32" = 1'-0"*

0' 5'-4" 10'-8" 21'-4"

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| MARK | DESCRIPTION | DATE | APPR |
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CKD BY: BC
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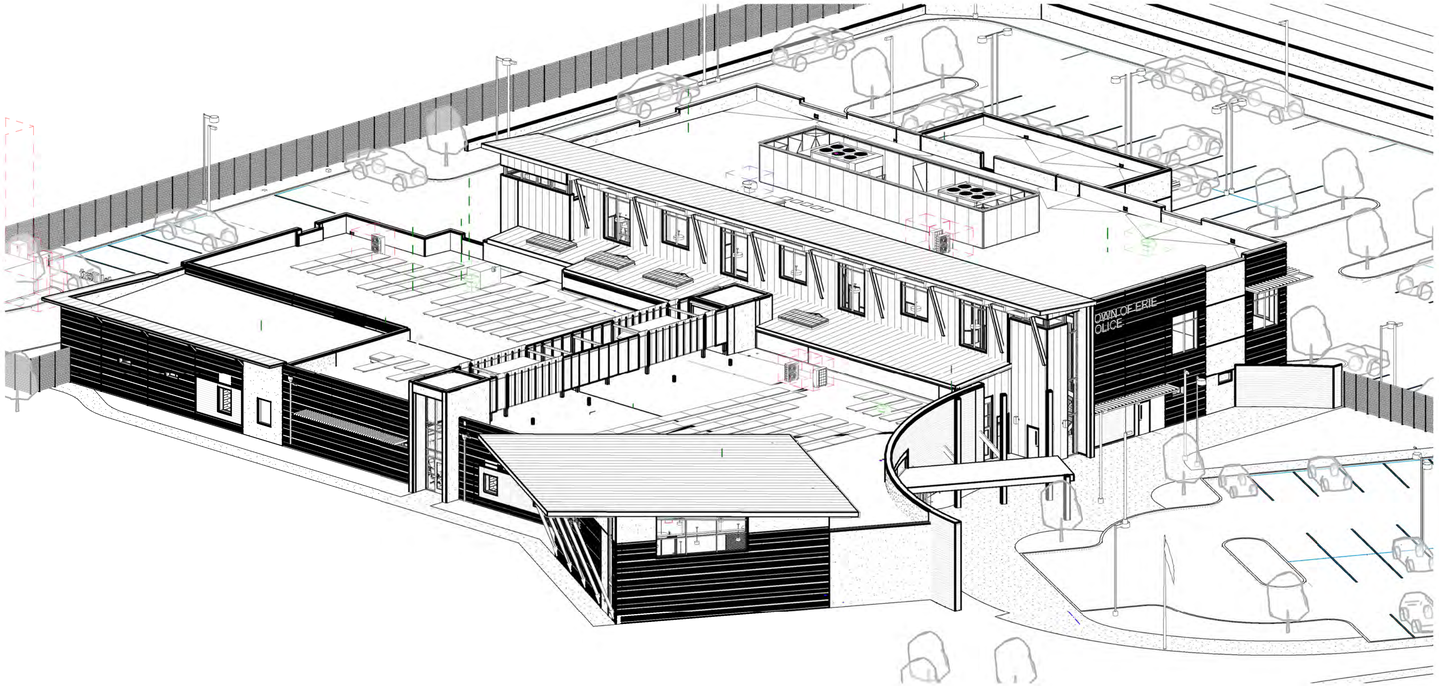
ISSUE DATE: **AUGUST 8, 2025**
CONSULTANTS PROJECT #
SOLICITATION NO.:
CONTRACT NO.:
FILE NUMBER:
FILE NAME:

***CONSTRUCTION DOCUMENTS***

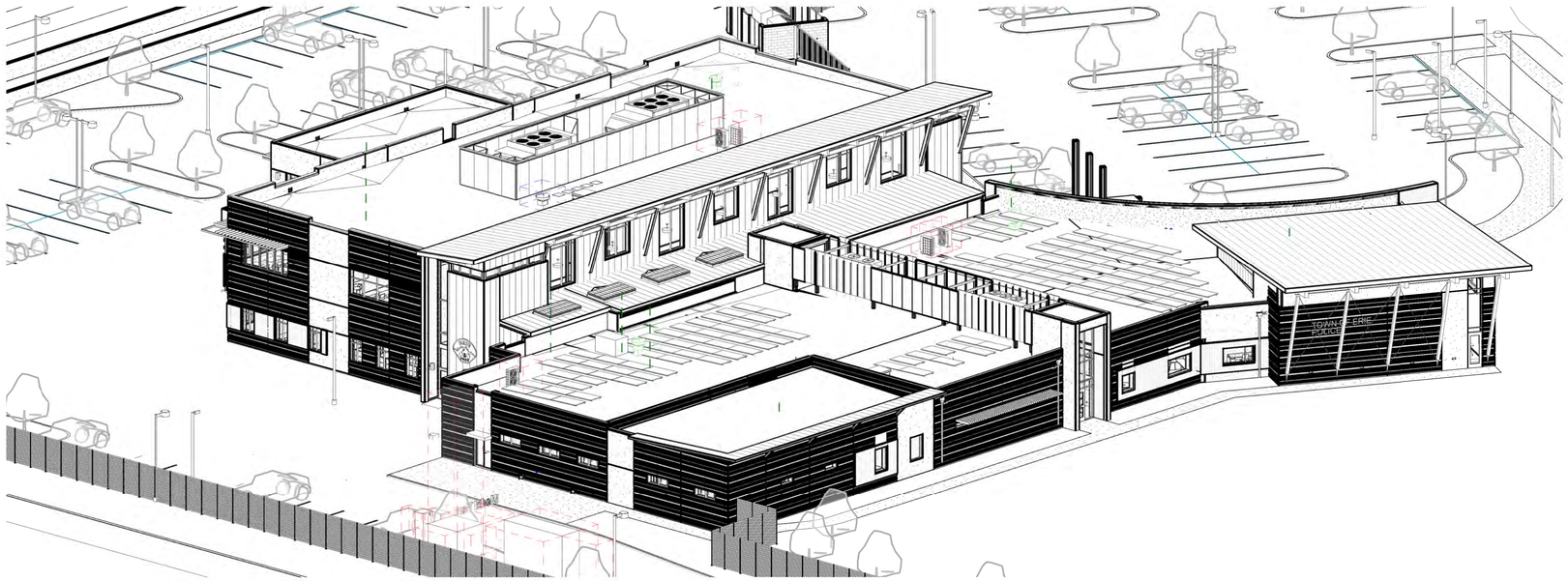
NOT FOR CONSTRUCTION

TOWN OF ERIE
# ERIE PD - ADDITION & RENOVATION
1000 TELLEEN AVENUE, ERIE, COLORADO 80516
SDP BUILDING ELEVATIONS

**SHEET IDENTIFICATION**
G-102




B1 | 3D AXONOMETRIC - NW - SDP
G-103




A1 | 3D AXONOMETRIC - NE - SDP
G-103

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***CONSTRUCTION DOCUMENTS***

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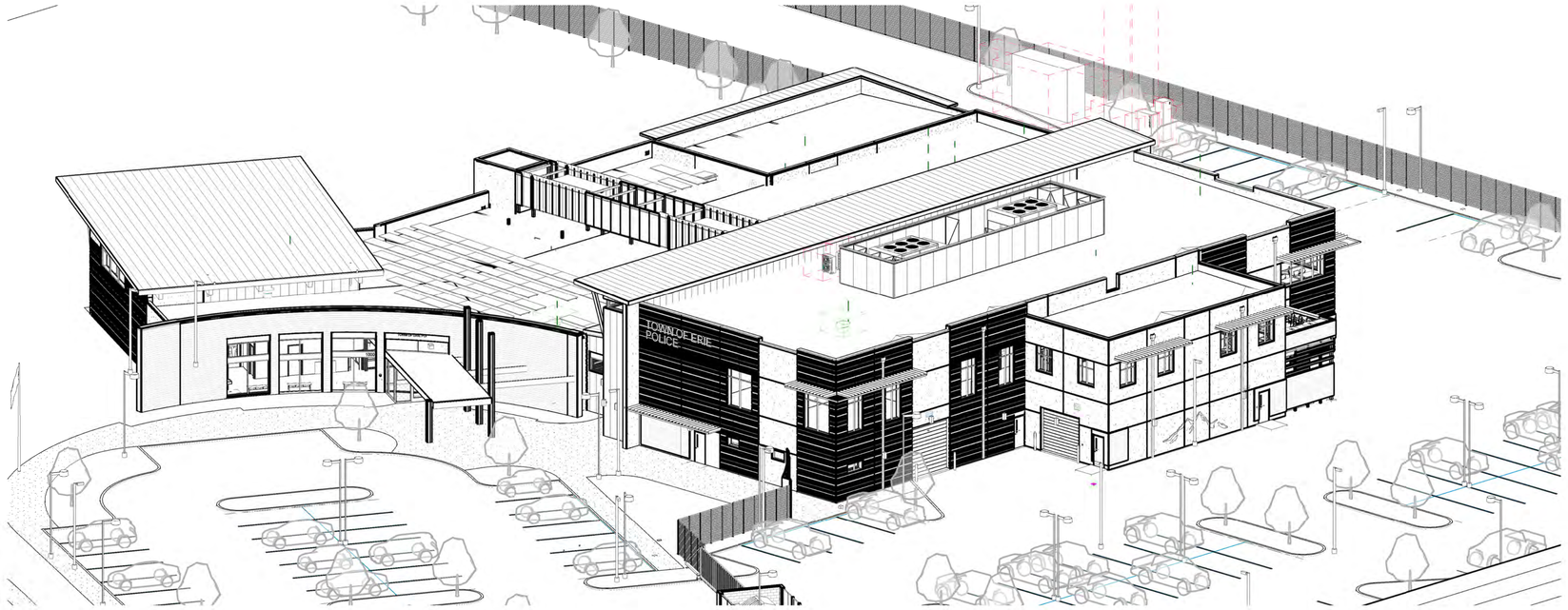
TOWN OF ERIE
# ERIE PD - ADDITION & RENOVATION
1000 TELLEEN AVENUE, ERIE, COLORADO 80516

SDP 3D AXONOMETRIC

**SHEET IDENTIFICATION**
G-103

**C1** | **3D AXONOMETRIC - SE - SDP**

*G-104*




**A1** | **3D AXONOMETRIC - SW - SDP**

*G-104*

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***CONSTRUCTION DOCUMENTS***

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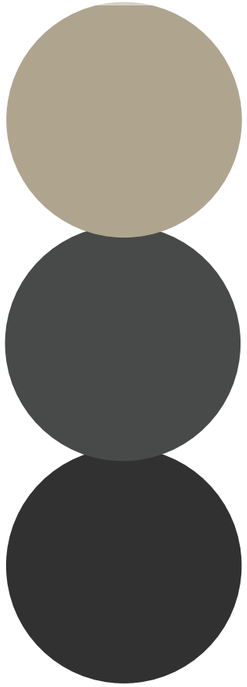
TOWN OF ERIE
# ERIE PD - ADDITION & RENOVATION
1000 TELLEEN AVENUE, ERIE, COLORADO 80516

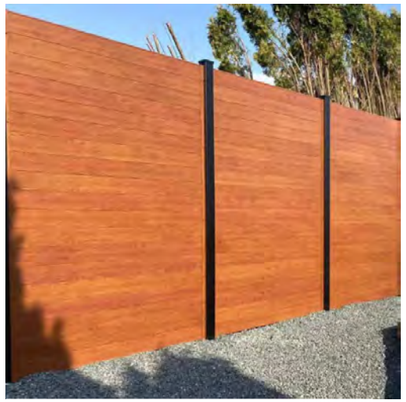
SDP 3D AXONOMETRIC

**SHEET IDENTIFICATION**
G-104

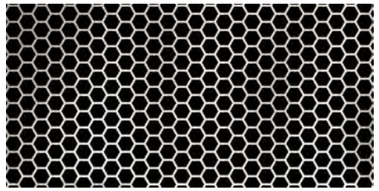
METAL COPING COLORS



STOREFRONTS, WINDOWS, AND CLEAR GLAZING



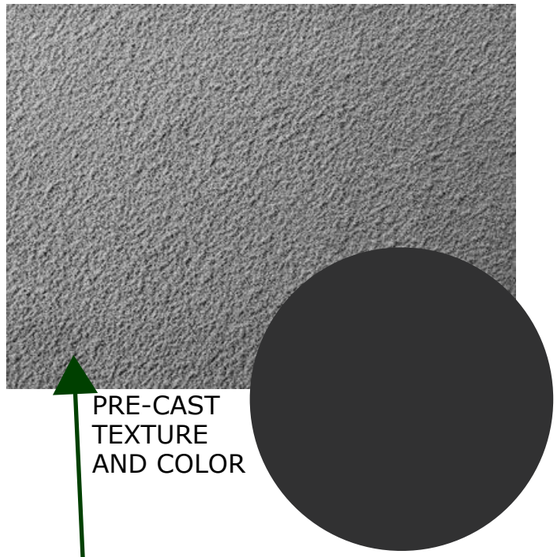
SECURE PERIMETER FENCE



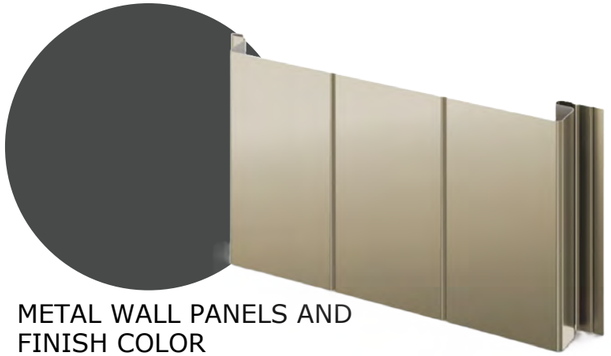
PERFORATED METAL RTU SCREEN PANELS

STANDING SEAM METAL ROOF AND FINISH COLOR

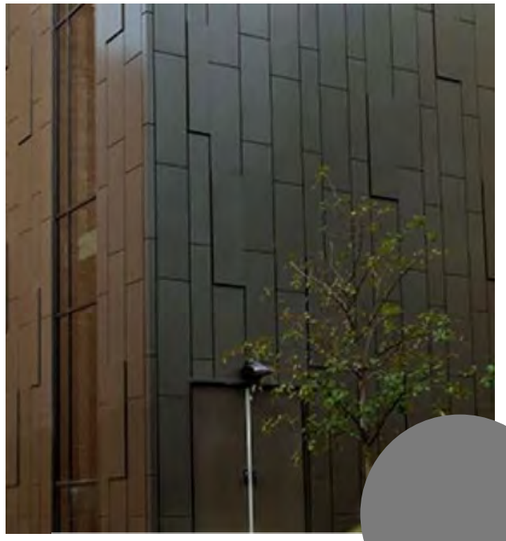
TREX WOOD SLATS FOR WALL ACCENT AND WINDOW SHADING



PRE-CAST TEXTURE AND COLOR



METAL WALL PANELS AND FINISH COLOR



METAL PANEL PATTERN AND FINISH COLOR

DOUGLAS FIR SLANTED COLUMNS & SOFFIT PANELS

PRE-CAST PATTERN AND COLOR

# ERIE POLICE DEPARTMENT EXPANSION & REMODEL
# EXTERIOR FINISHES

D2C ARCHITECTS
ARCHITECTURE | INTERIORS | SUSTAINABILITY