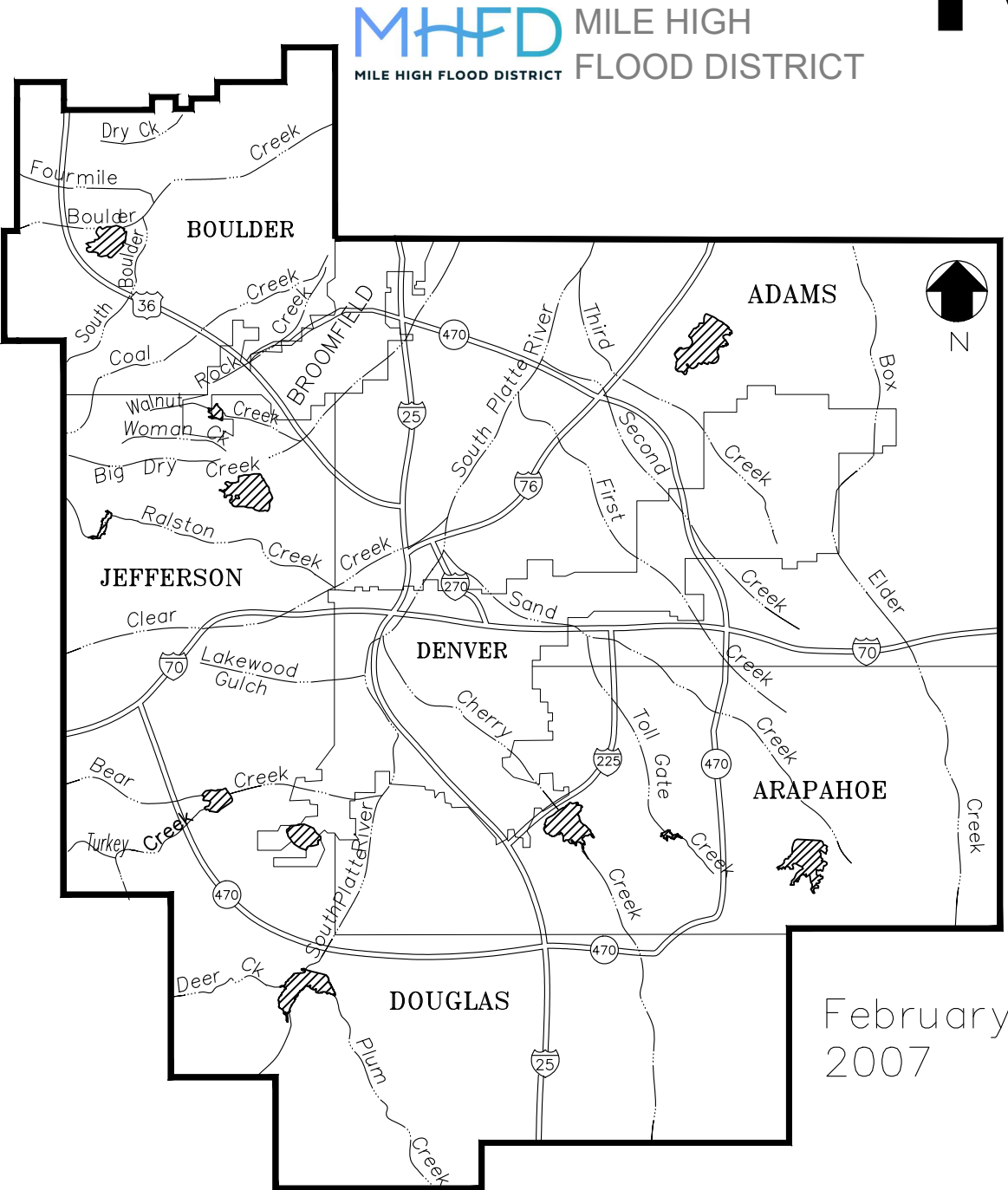
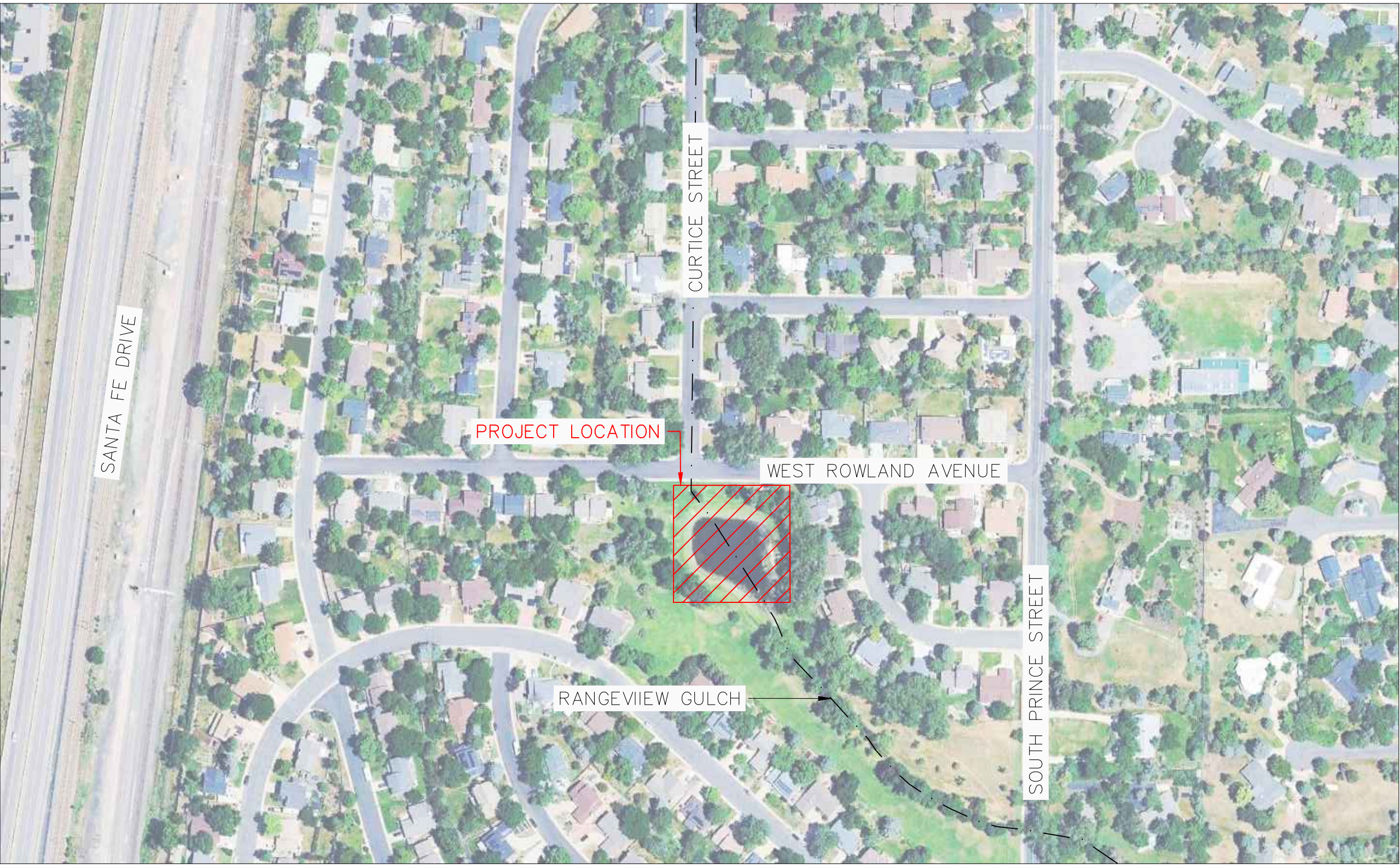


MILE HIGH FLOOD DISTRICT



RIDGEVIEW PARK CHANNEL AND POND IMPROVEMENTS MHFD PROJECT # xxxxxxxx CONSTRUCTION PLAN



LOCATION MAP
NOT TO SCALE



JUNE 2026

SHEET INDEX	
SHEET NUMBER	SHEET TITLE
C-101	COVER
C-102	GENERAL NOTES
C-103	PLAN AND PROFILE
C-104	DETAILS (1 OF 2)
C-105	DETAILS (2 OF 2)
C-106	INITIAL-INTERIM SWMP
C-107	FINAL SWMP

FOR AND ON BEHALF OF
LOEWEN ENGINEERING, INC.

PROJECT MANAGER: ELYSA LOEWEN, PE _____ DATE _____

PROJECT ENGINEER: KEVIN NOSIGLIA, EI _____ DATE _____

DESIGNER CERTIFICATION:
“I hereby certify that this Stormwater Management Plan was prepared by me (or under my direct supervision) in accordance with the provisions of the City of Littleton’s Storm Drainage Design and Technical Criteria Manual for the owners thereof.”

Registered Professional Engineer _____ Date _____
State of Colorado PE No. _____

PROPERTY OWNER CERTIFICATION:
“I hereby certify that this Stormwater Management Plan for _____ is my responsibility to implement and maintain and I accept all of the terms stated above. I understand that the City of Littleton does not and will not assume liability for this Plan.”

Property Owner Printed Name: _____
Signed Name: _____
Address: _____
Date: _____

— APPROVALS —

MILE HIGH FLOOD DISTRICT

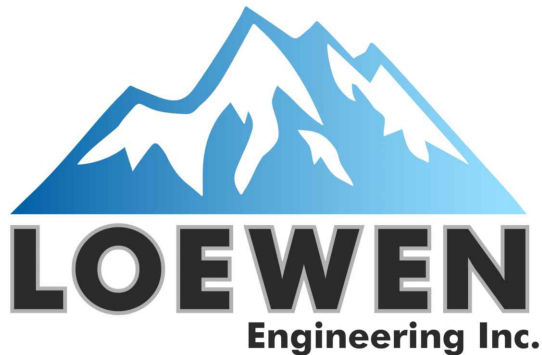
LAURA KROEGER, PE, EXECUTIVE DIRECTOR _____ DATE _____

BAO CHONGTUA, PE, DESIGN, CONSTRUCTION AND MAINTENANCE DIRECTOR _____ DATE _____

JEFF BATTISTE, PE, PROJECT MANAGER _____ DATE _____

CITY OF LITTLETON

SARAH WHITE, PE, PROJECT MANAGER _____ DATE _____



GENERAL NOTES (MHFD)

1. ALL MATERIALS, WORKMANSHIP, AND CONSTRUCTION OF PUBLIC IMPROVEMENTS SHALL MEET OR EXCEED THE STANDARDS AND SPECIFICATIONS SET FORTH IN THE MILE HIGH FLOOD DISTRICT CRITERIA, AND APPLICABLE STATE AND FEDERAL REGULATIONS. WHERE THERE IS CONFLICT BETWEEN THESE PLANS AND THE SPECIFICATIONS, OR ANY APPLICABLE STANDARDS, THE HIGHER QUALITY STANDARD SHALL APPLY. ALL WORK SHALL BE INSPECTED AND APPROVED BY THE MILE HIGH FLOOD DISTRICT INSPECTOR.
2. LIMITED UTILITY LOCATES WERE CONDUCTED PRIOR TO DESIGN. THIS INFORMATION IS SHOWN ON SHEETS. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR THE PROTECTION OF UTILITIES AFFECTED BY THE EXECUTION OF THIS CONTRACT.
3. THE CONTRACTOR SHALL COORDINATE AND COOPERATE WITH THE DISTRICT, AND ALL UTILITY COMPANIES INVOLVED, WITH REGARD TO RELOCATIONS OR ADJUSTMENTS OF EXISTING UTILITIES DURING CONSTRUCTION, AND TO ASSURE THAT THE WORK IS ACCOMPLISHED IN A TIMELY FASHION AND WITH A MINIMUM DISRUPTION OF SERVICE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL PARTIES AFFECTED BY ANY DISRUPTION OF ANY UTILITY SERVICE.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM ALL APPLICABLE AGENCIES. THE CONTRACTOR SHALL NOTIFY THE DISTRICT INSPECTOR AT LEAST 48 HOURS PRIOR TO THE START OF ANY EARTH DISTURBING ACTIVITY OR CONSTRUCTION OF ANY AND ALL PUBLIC IMPROVEMENTS.
5. THE CONTRACTOR SHALL HAVE ONE (1) SIGNED COPY OF THE APPROVED PLANS, ONE (1) COPY OF THE APPROPRIATE STANDARDS AND SPECIFICATIONS, AND A COPY OF ANY PERMITS AND EXTENSION AGREEMENTS NEEDED FOR THE JOB, ON-SITE AT ALL TIMES.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCEPTANCE AND CONTROL OF ALL SURFACE AND GROUNDWATER FLOWS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO STRUCTURES, LOSS OF TOPSOIL AND LOSS OF SEED CAUSED BY FLOWS UNTIL THE PROJECT IS ACCEPTED BY THE OWNER.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ASPECTS OF SAFETY INCLUDING, BUT NOT LIMITED TO, EXCAVATION, TRENCHING, SHORING, TRAFFIC CONTROL, AND SECURITY.
8. AN ACCESS PLAN FOR CONSTRUCTION, IF DIFFERENT FROM THESE PLANS, SHALL BE SUBMITTED TO MHFD FOR APPROVAL PRIOR TO MOBILIZATION.
9. IF, DURING THE CONSTRUCTION PROCESS, CONDITIONS ARE ENCOUNTERED WHICH COULD INDICATE A SITUATION THAT IS NOT IDENTIFIED IN THE PLANS OR SPECIFICATIONS, THE CONTRACTOR SHALL CONTACT THE DISTRICT INSPECTOR IMMEDIATELY.
10. ALL REFERENCES TO ANY PUBLISHED STANDARDS SHALL REFER TO THE LATEST REVISION OF SAID STANDARD, UNLESS SPECIFICALLY STATED OTHERWISE.
11. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL LABOR AND MATERIALS NECESSARY FOR THE COMPLETION OF THE INTENDED IMPROVEMENTS SHOWN ON THESE DRAWINGS OR DESIGNATED TO BE PROVIDED, INSTALLED, OR CONSTRUCTED, UNLESS SPECIFICALLY NOTED OTHERWISE.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ROADWAYS FREE AND CLEAR OF ALL CONSTRUCTION DEBRIS AND DIRT TRACKED FROM THE SITE AS A RESULT OF CONTRACTOR'S OPERATIONS.
13. STRUCTURAL FILL AND STRUCTURE BACKFILL SHALL BE PLACED IN UNIFORM LIFTS AND COMPACTED TO 95% OF STANDARD PROCTOR (AASHTO T99) MAXIMUM DRY DENSITY AT MOISTURE CONTENTS NEAR OPTIMUM OR TO 70% RELATIVE DENSITY BY ASTM D4253 AND D4254.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECORDING AS-BUILT INFORMATION ON A SET OF RECORD DRAWINGS KEPT ON THE CONSTRUCTION SITE AND AVAILABLE TO THE ENGINEER AT ALL TIMES.
15. DIMENSIONS FOR LAYOUT AND CONSTRUCTION ARE NOT TO BE SCALED FROM ANY DRAWING. IF PERTINENT DIMENSIONS ARE NOT SHOWN, CONTACT THE CONSULTANT ENGINEER FOR CLARIFICATION, AND ANNOTATE THE DIMENSION ON THE AS-BUILT RECORD DRAWINGS.
16. THE LOCATION OF ANY PROPERTY LINES SHOWN ON THE DRAWINGS ARE APPROXIMATE.
17. ALL STRUCTURAL EROSION CONTROL MEASURES SHALL BE INSTALLED AT THE LIMITS OF CONSTRUCTION PRIOR TO ANY OTHER GROUND-DISTURBING ACTIVITY. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED IN GOOD REPAIR BY THE CONTRACTOR, UNTIL SUCH TIME AS THE ENTIRE DISTURBED AREAS IS STABILIZED WITH HARD SURFACE OR LANDSCAPING.
18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING ALL SURFACES AND RELATED STRUCTURES TO ORIGINAL CONDITIONS (OR BETTER), INCLUDING ALL ACCESS AND STAGING AREAS, AND IN ACCORDANCE WITH THESE PLANS, IF APPLICABLE.

STANDARD NOTES (SSPRD)

1. WORK SITE AND ACCESS ROUTES MUST BE DESIGNATED AND FENCED OR FLAGGED WITH A MINIMUM OF 3' LATHE AND MARKING RIBBON (OR TPOSTS WITH ROPE AND RIBBON, OR CONSTRUCTION FENCE) WITH APPROVAL OF A PARK REPRESENTATIVE BEFORE THE FIRST PIECE OF EQUIPMENT ARRIVES ON SITE.
2. WORK HOURS ARE RESTRICTED TO 7 AM TO 6 PM OR SUNSET, WHICHEVER IS LATER.
3. SALVAGE DESIRABLE OR UNUSUAL FORBS, TREES, AND SHRUBS WHEREVER POSSIBLE FOR USE WITH ON-SITE OR OFF-SITE MITIGATION.
4. REMOVE EACH SOIL HORIZON ONE AT A TIME (A, B, C, AND THE SUBSOIL), STOCK PILE SEPARATELY, SO THAT EACH LAYER CAN BE REPLACED IN REVERSE ORDER TO RESTORE THE SOIL HORIZONS. THIS PRACTICE ALLOWS VEGETATION TO REESTABLISH QUICKLY AND REDUCES THE ESTABLISHMENT OF WEEDS. (NOTE: NOT ALL OF THESE HORIZONS MAY BE PRESENT.) ANY SOIL BROUGHT FROM OUTSIDE SOURCES NEEDS TO BE WEED-FREE!
5. USE BOXED TRENCH WALLS TO KEEP TRENCH NARROW THUS REDUCING THE AREA OF IMPACT. SOME AREA AROUND EAGLEWATCH LAKE MAY BE SUSCEPTIBLE TO COLLAPSE BECAUSE OF THE COARSE SANDY AND GRAVELY SOILS. PREVIOUS CONSTRUCTION PROJECTS HAVE INDICATED THAT THE ANGLE OF REPOSE MAY BE AS GREAT AS 45°.
6. REDUCE WIDTH OF CONSTRUCTION AND PERMANENT EASEMENTS. WE REQUIRE STAKING OF EASEMENTS AND ENFORCE THESE LIMITS. DO NOT ALLOW VEHICLES OUTSIDE THESE LIMITS. REDUCE THE NUMBER AND SIZE OF VEHICLES AND EQUIPMENT. THESE PRACTICES WILL LIMIT SOIL COMPACTION. STAGING AREAS, ACCESS ROUTES AND EASEMENTS ARE NOT TO BE USED FOR THE PARKING OF PRIVATE/EMPLOYEE VEHICLES FOR TEMPORARY PROJECTS

AS WELL AS FOR PERMANENT EASEMENTS.

7. WORK WILL NOT BE PERMITTED WHEN THE PROPERTY IS WET OR MUDDY, UNLESS THE CONTRACTOR IS WILLING TO COMMIT TO FULL RESTORATION INCLUDING ADDING FILL, GRADING OF RUTS AND FOR PROPER DRAINAGE, REPLANTING TO A SUCCESSFUL COVERAGE OF DESIRABLE SPECIES TO 80% COVER, AND PROVIDING WEED CONTROL FOR A WARRANTY PERIOD OF 2-3 YEARS.
8. RESTORATION MAY BE REQUIRED FOR TOTAL SURFACE DISTURBANCE, BUT ALSO FOR SOIL COMPACTION AND WORN VEGETATION, TIRE RUTS, OR SOIL DISTURBANCE THAT INVITE INVASIVE WEEDS TO ESTABLISH. PARK STAFF WILL WORK WITH THE CONTRACT ON THE LEVEL OF RESTORATION REQUIRED.
9. SOIL COMPACTION IN THE ROOT ZONES OF TREES, SHRUBS, AND OTHER VEGETATION OFTEN KILLS THESE PLANTS, OR STRESSES THEM SO GREATLY THAT THEY ARE MORE SUSCEPTIBLE TO DISEASE. SOIL COMPACTION ALSO ENCOURAGES WEED INVASION AND MAKES NATIVE PLANT RESTORATION MORE DIFFICULT. USE 12 TO 14 "OF MULCH AROUND TREES AND SHRUBS TO ENSURE THAT THE SOIL IN THE ROOT ZONE IS NOT COMPACTED. FENCE TREES AND SHRUBS WHERE POSSIBLE TO PREVENT COMPACTION OF SOILS AROUND TREES AND SHRUBS.
10. REVEGETATE THE DISTURBED AREA WITH ONLY NATIVE PLANT MATERIAL ON OUR APPROVED SEEDING AND PLANT LISTS. USE EROSION-CONTROL BLANKETS, HYDROMULCH, OR CRIMP WEED-FREE HAY INTO THE TOPSOIL TO ABSORB FREE NITROGEN AND HOLD MOISTURE. THIS AIDS IN ESTABLISHING NATIVE GRASSES AND REDUCES WEED ESTABLISHMENT.
11. PLANTING IN PERMANENT EASEMENTS CAN BE LIMITED TO GROUND-COVER RESTORATIONS WITH ANTICIPATION OF FUTURE ACCESS NEEDS. IN TEMPORARY EASEMENTS, VEGETATION DAMAGED OR REMOVED WILL BE REPLACED ONE-FOR-ONE OR IN ACCORDANCE WITH UPDATED MANAGEMENT OBJECTIVES FOR AN AREA, WITH A MINIMUM 3-YEAR WARRANTY PERIOD FOR PLANT SURVIVAL, WATERING FOR ESTABLISHMENT, GRASS AND FORB ESTABLISHMENT SUCCESS, AND INVASIVE WEED CONTROL.
12. TREES OVER 4"IN DIAMETER REQUIRE A CUTTING PERMIT FROM THE CITY OF LITTLETON, WHICH USUALLY REQUIRES A 2 FOR 1 REPLACEMENT PLANTING WITH MINIMUM WARRANTY. ANY TREE PRUNING MUST BE DONE BY A LICENSED ARBORIST, PREFERABLY WITH AN ISA CERTIFIED SUPERVISOR ON SITE.
13. FOR AREAS OF UPLANDS OR WETLANDS THAT ARE DISTURBED OUTSIDE OF AN EASEMENT, FINES SHALL BE ISSUED TO THE CONTRACTOR ON A PER-SQUARE-YARD BASIS. FINES RANGE FROM \$100 TO \$500 PER SQUARE YARD OF DAMAGE OUTSIDE OF THE FLAGGED EASEMENT DEPENDING ON THE TYPE AND LOCATION OF DAMAGE.
14. CONSTRUCTION SIGNAGE ONSITE WHERE PUBLIC IS ENTERING NEAR A WORK ZONE SHOULD BE POSTED, INCLUDING:

• NAME OF THE PROJECT

• DATES OF CONSTRUCTION

• CONTRACTOR INFORMATION / OWNER OF THE PROJECT / EMERGENCY CONTACT

• SIMPLIFIED SCOPE OF WORK AND DESCRIPTION OF WORK LOCATIONS, FOR EXAMPLE "FROM X LOCATION ALONG THE MCGW TRAIL TO X LOCATION."

• URGE PEOPLE TO OBSERVE AND OBEY ALL WARNING SIGNS, CLOSURES AND DETOURS TO INSURE SAFETY AND THE SAFETY OF OTHERS.
15. DETOURS MUST BE CLEARLY MARKET ALONG THEIR ENTIRE ROUTE, ANY CHANGES TO A TRAIL SURFACE MUST BE MARKED CLEARLY FOR DAY USE AND WITH NIGHT BEACONS. FLAGGERS ARE REQUIRED IF BLOCKING ANY PORTION OF A PAVED ROAD OR TRAIL.
16. PROJECTS MUST MEET AND SHARE DOCUMENTATION THAT ALL LOCAL, STATE, AND FEDERAL PERMITTING REQUIREMENTS HAVE BEEN MET INCLUDING STORMWATER MANAGEMENT, ENDANGERED SPECIES ACT, MIGRATORY BIRD TREATY ACT FOR GRASSLAND, TREE OR SHRUB DISTURBANCES, HAZARDOUS MATERIALS WORK, ETC.
17. ALL MACHINERY ARRIVE CLEANED/POWERWASHED FROM ANY PREVIOUS WORK SITES.

STANDARD NOTES (COL)

1. THE OPERATOR, PROPERTY OWNER, OR THEIR DESIGNEE IS RESPONSIBLE FOR OBTAINING APPLICABLE PERMITS AND THE INSTALLATION AND MAINTENANCE OF ALL BEST MANAGEMENT PRACTICES (BMPS) FOR EROSION AND SEDIMENT CONTROL, EVEN IF SPECIFIC TASKS MAY BE DESIGNATED TO OTHERS.
2. FOR ALL SITES DISTURBING ONE (1) OR MORE ACRES, THE STATE OF COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT (CDPHE) REQUIRES A "STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY"PERMIT. A COPY OF THAT ISSUED PERMIT SHALL BE SUBMITTED TO THE ENGINEERING DIVISION PRIOR TO ISSUANCE OF A LOCAL CITY PERMIT.
3. ALL BMPS SHOWN ON THE APPROVED STORMWATER MANAGEMENT PLAN (SWMP) PLAN SHALL BE INSTALLED PROPERLY AND INSPECTED BY A CITY REPRESENTATIVE PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITY ON THE SITE THAT DISTURBS THE GROUND. BMPS SHALL BE INSPECTED, CLEANED, AND MAINTAINED BY THE PROPERTY OWNER OR DESIGNEE AS NEEDED DURING CONSTRUCTION.
4. ISSUANCE OF A GRADING OR BUILDING PERMIT WITH AN APPROVED SWMP PROVIDES AUTHORIZATION FOR THE CITY TO ENTER THE PREMISES FOR PURPOSES OF INSPECTIONS AND COMPLIANCE WITH THE APPROVED PLANS, PROVISIONS OF MUNICIPAL CODE TITLE 7 CHAPTER 7, AND THE CITY'S STORM DRAINAGE DESIGN AND TECHNICAL CRITERIA.
5. THE CITY MAY REQUIRE THAT THE OPERATOR, PROPERTY OWNER, OR THEIR DESIGNEE PROVIDE ADDITIONAL EROSION OR SEDIMENT CONTROL MEASURES, SHOULD WATER OR WIND EROSION PROBLEMS OCCUR OR SHOULD THE IMPLEMENTED STORMWATER MANAGEMENT PLAN (SWMP) AND BEST MANAGEMENT PRACTICES (BMPS) NOT FUNCTION ADEQUATELY OR AS INTENDED.
6. INSPECTIONS AND NEEDED MAINTENANCE OF BMPS ARE REQUIRED A MINIMUM OF EVERY 14 DAYS AND AFTER STORM EVENTS, OR ALTERNATELY EVERY 7 DAYS. THE CITY RESERVES THE RIGHT TO REQUIRE THE OPERATOR TO SUBMIT COPIES OF INSPECTION REPORTS OR OTHER STORMWATER MANAGEMENT DOCUMENTS AT ANY TIME.
7. SWMPS SHALL ACCOMMODATE CONSTRUCTION PHASING, INCLUDING CLEARING AND GRUBBING, UTILITIES, ROADS, VERTICAL CONSTRUCTION, FINAL GRADING, AND STABILIZATION, AND SHALL HAVE REDUNDANT DOWNSLOPE BMPS IN PLACE TO ENSURE ADEQUATE EROSION AND SEDIMENT CONTROL DURING ALL PHASES.
8. THE OPERATOR, PROPERTY OWNER, OR THEIR DESIGNEE IS RESPONSIBLE TO CLEAN ALL PUBLIC STREETS AND SIDEWALKS WHERE SEDIMENT OR MUD IS TRACKED ONTO THE PAVED SURFACE. THE OPERATOR, PROPERTY OWNER, OR THEIR DESIGNEE SHALL CLEAN THE PUBLIC WAY IMMEDIATELY OR WITHOUT DELAY UPON BEING NOTIFIED BY THE CITY. IT MAY

ALSO BE NECESSARY TO PERIODICALLY CLEAN THE PUBLIC STORM SEWERS AND DOWN GRADIENT PROPERTIES DURING THE DEVELOPMENT OF THE SITE.

9. THE OPERATOR, PROPERTY OWNER, OR THEIR DESIGNEE SHALL BE RESPONSIBLE FOR IMPLEMENTATION AND FIELD UPDATES/CHANGES TO THE STORM WATER MANAGEMENT PLAN (SWMP) THAT INCLUDES THE PLAN VIEW LAYOUT AND INSTALLATION DETAILS OF APPROPRIATE CONTROL MEASURES, AND MAINTENANCE PROCEDURES.
10. IF THE OPERATOR, PROPERTY OWNER, OR THEIR DESIGNEE FAILS TO IMPLEMENT ANY OF THE PROVISIONS OF THE SWMP AND IGNORES THE CITY'S VERBAL OR WRITTEN REQUEST FOR IMMEDIATE REMEDY, THE CITY MAY MAKE ARRANGEMENTS OR HIRE A PRIVATE PROPERTY OWNER OR DESIGNEE TO PERFORM MAINTENANCE, INSTALLATION OR REPLACEMENT OF BMPS, OR CLEAN THE PUBLIC WAYS. CHARGES FOR SERVICES WILL BE SENT TO THE OPERATOR, PROPERTY OWNER OR DESIGNEE FOR PAYMENT. ENFORCEMENT PROCEDURES ARE OUTLINED IN LITTLETON MUNICIPAL CODE 7-7-12.
11. THE CITY MAY ISSUE A "STOP WORK"ORDER TO STOP ANY PERMITTED SITE CONSTRUCTION WORK FROM PROCEEDING UNTIL THE BMPS PROVIDED ON THE SWMP AND APPROVED PLANS ARE INSTALLED, IMPLEMENTED AS INTENDED, MAINTAINED, OR UNTIL CORRECTIVE MEASURES ARE TAKEN AND ANY NECESSARY CLEANUP IS PERFORMED. THE OWNER BEARS ALL COSTS ASSOCIATED WITH ANY DELAYS IN THE PROJECT.
12. THE OPERATOR, PROPERTY OWNER, OR THEIR DESIGNEE SHALL NOT UTILIZE THE PUBLIC STREET AS A STAGING AREA FOR THE TEMPORARY STORAGE OF BUILDING MATERIALS, EXCAVATED MATERIALS, OR CONSTRUCTION EQUIPMENT, EXCEPT AS APPROVED BY THE CITY. USE OF OFFSITE PRIVATE PROPERTY FOR STAGING MAY BE SUBJECT TO REVIEW BY THE COMMUNITY DEVELOPMENT DEPARTMENT.
13. A CONSTRUCTION DEWATERING DISCHARGE PERMIT SHALL BE OBTAINED FROM CDPHE PRIOR TO PUMPING OF ANY SURFACE OR SUB-SURFACE WATER INTO ANY CITY PUBLIC WAY OR STORM DRAINAGE SYSTEM. ADEQUATE SEDIMENT CONTROL BMPS SHALL BE REQUIRED AT THE PUMP'S INLET AND OUTLET.
14. ALL SOIL AREAS DISTURBED SHALL BE GRADED, SEEDED, AND MULCHED OR OTHERWISE VEGETATED OR COVERED, TO STABILIZE THE GROUND SURFACE WITHIN 14 DAYS OF COMPLETION OF GRADING OPERATIONS. THE CITY SHALL APPROVE THE SEED MIX AND RATE OF APPLICATION PRIOR TO SEEDING THE AREA. IF DISTURBED SOIL AREAS ARE TO BE LEFT DORMANT FOR OVER 14 DAYS, A TEMPORARY STABILIZING COVER IS REQUIRED, THE METHOD TO BE APPROVED BY THE CITY. WEEDS ARE NOT AN ACCEPTABLE TEMPORARY OR PERMANENT STABILIZATION COVER.
15. BMPS SHALL REMAIN IN-PLACE AND OPERATIONAL UNTIL ALL SITE PAVING, PERMANENT LANDSCAPING, OR ADEQUATE VEGETATIVE COVER ESTABLISHMENT IS COMPLETED. ADEQUATE VEGETATION COVER IS DEFINED AS A UNIFORM VEGETATIVE COVER WITH A PLANT DENSITY (STEM OR STALKS) OF AT LEAST 70% OF THE PRE-DISTURBANCE CONDITION. TEMPORARY IRRIGATION MAY BE NECESSARY TO ESTABLISH PLANT GROWTH. ADEQUATE VEGETATIVE COVER WILL BE DETERMINED BY CITY STAFF WITH AN ON-SITE INSPECTION PRIOR TO ANY PERMIT RELEASE, INCLUDING TERMINATION OF A CDPHE STORMWATER PERMIT.
16. AFTER THE SITE HAS BEEN STABILIZED AS DETERMINED BY CITY STAFF, THE OPERATOR, PROPERTY OWNER, OR THEIR DESIGNEE SHALL REMOVE ALL BMPS AND CLEAN ANY STORM SEWERS WHERE CONSTRUCTION SEDIMENT MAY HAVE DEPOSITED.

TREE PROTECTION

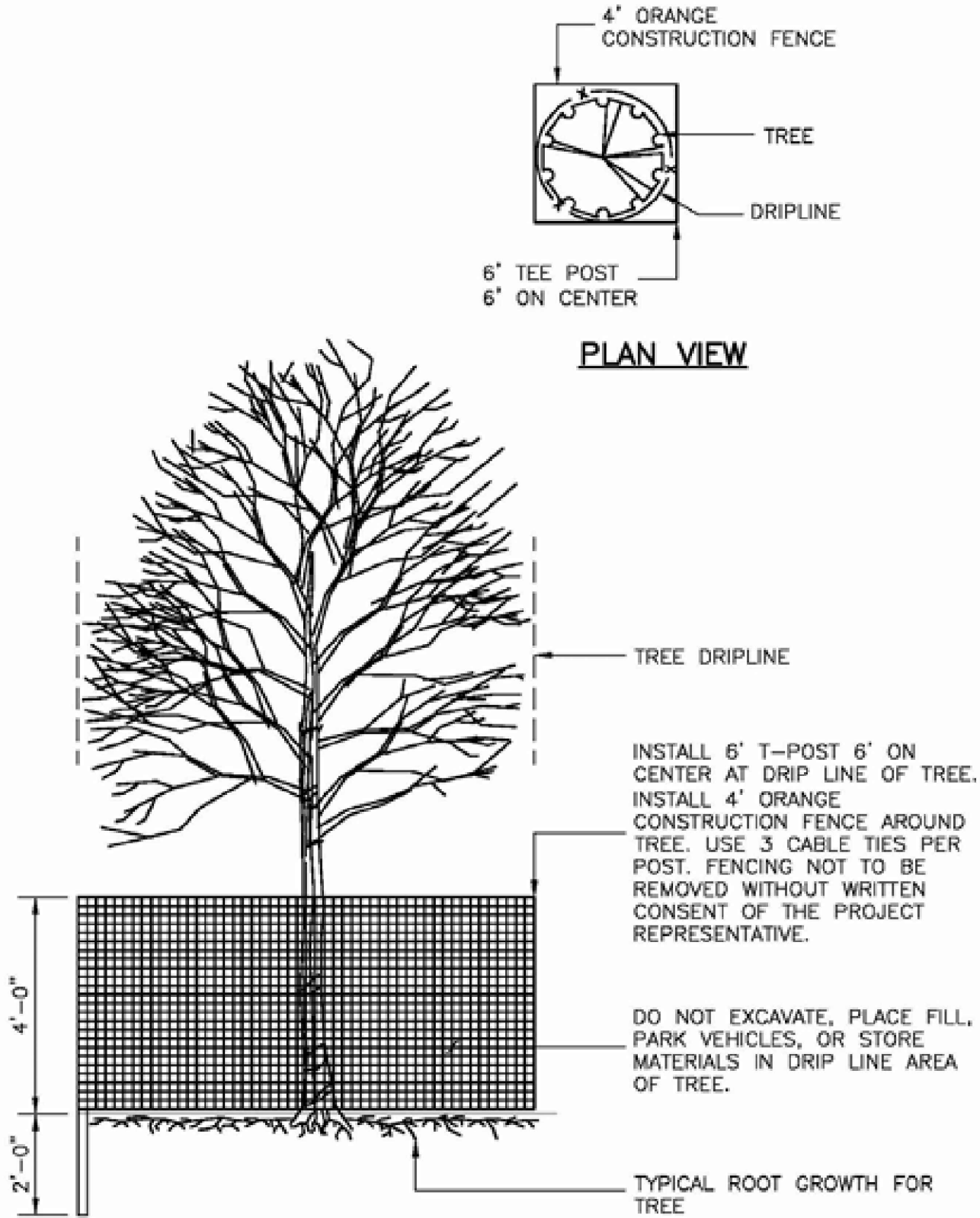


Figure 13-3. Tree protection

PREPARED BY:



PREPARED FOR:



VERIFY SCALE:

BAR IS ONE INCH
ON ORIGINAL
DRAWINGS



Know what's below.
Call before you dig.

RANGEVIEW GULCH
STORMWATER DRAINAGE ALTERNATIVES ANALYSIS
GENERAL NOTES

#	DATE	DESCRIPTION	INITIALS

DRAWN BY: KAN
DESIGNED BY: DPL
CHECKED BY: DPL

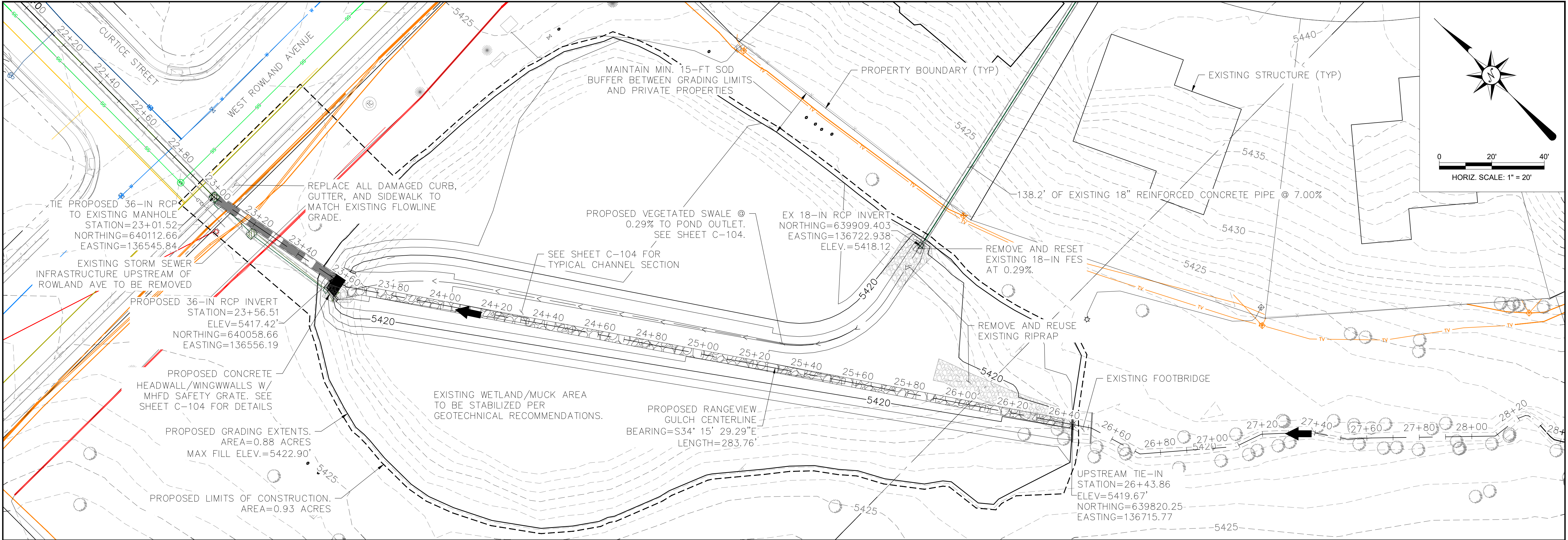
DATE

JUNE 2026

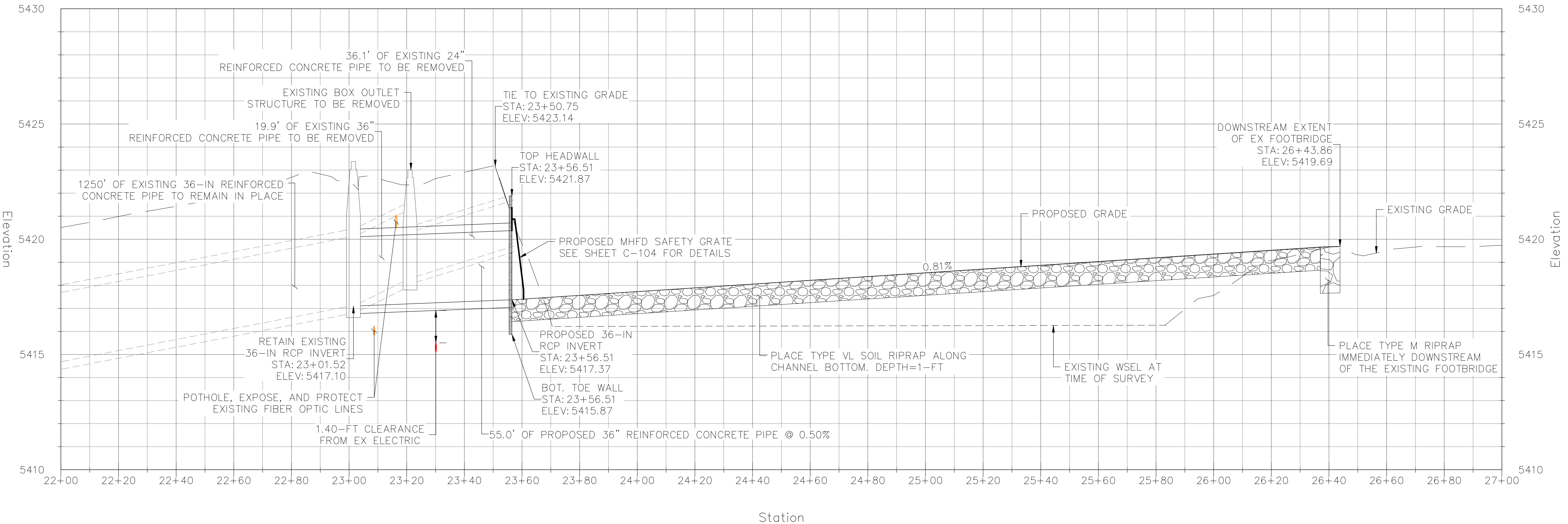
SHEET

C-102

NOT FOR CONSTRUCTION



RIDGEVIEW PARK POND INTERIM PROFILE



PREPARED BY:
LOEWEN
Engineering Inc.
7388 S REVERE PKWY
SUITE 601
CENTENNIAL, CO 80112
O: (720) 667-2063

PREPARED FOR:
Littleton
MHFD
MILE HIGH FLOOD DISTRICT

VERIFY SCALE:
BAR IS ONE INCH
ON ORIGINAL
DRAWINGS



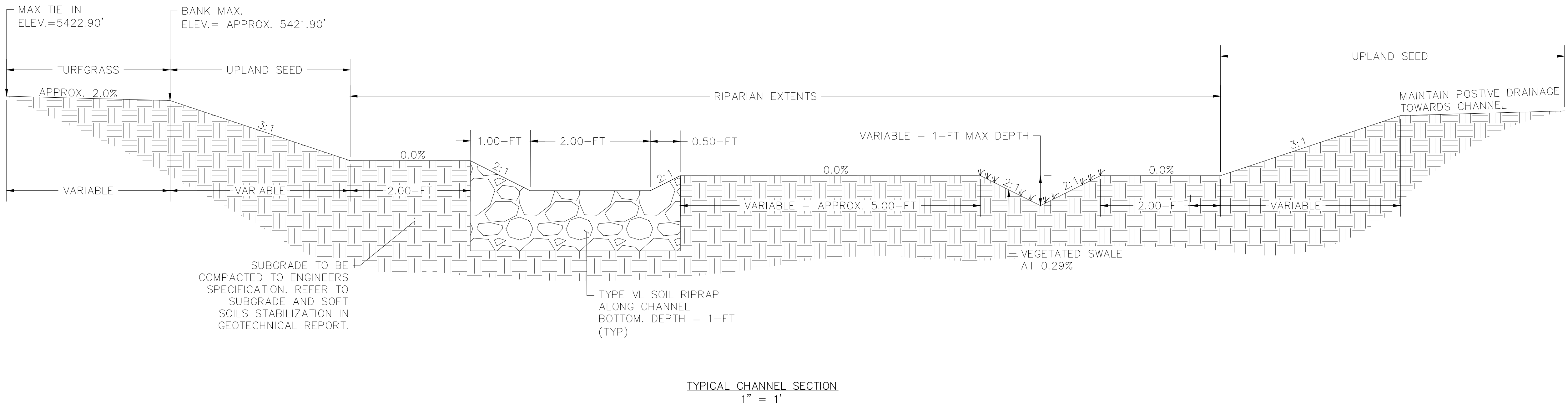
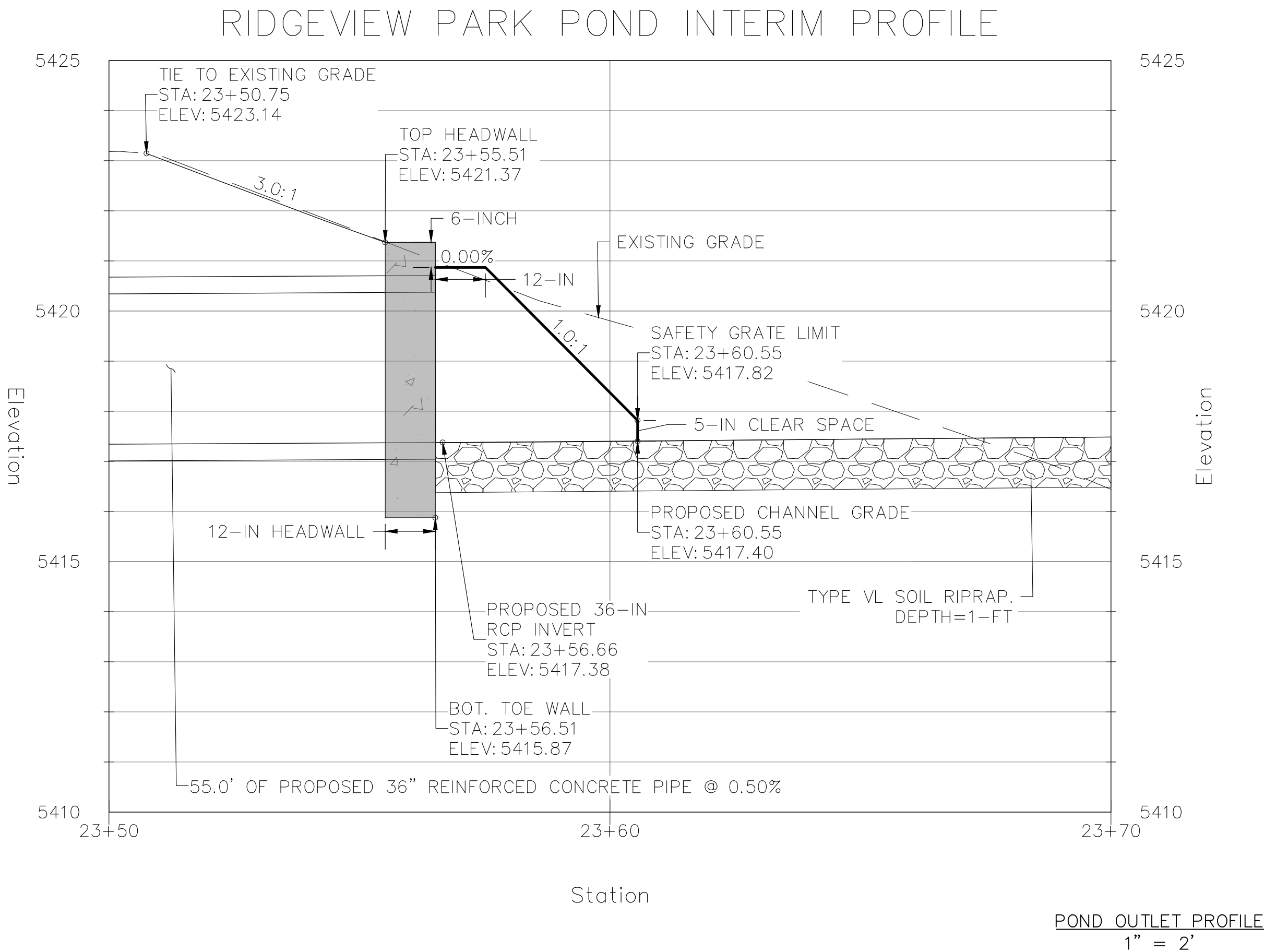
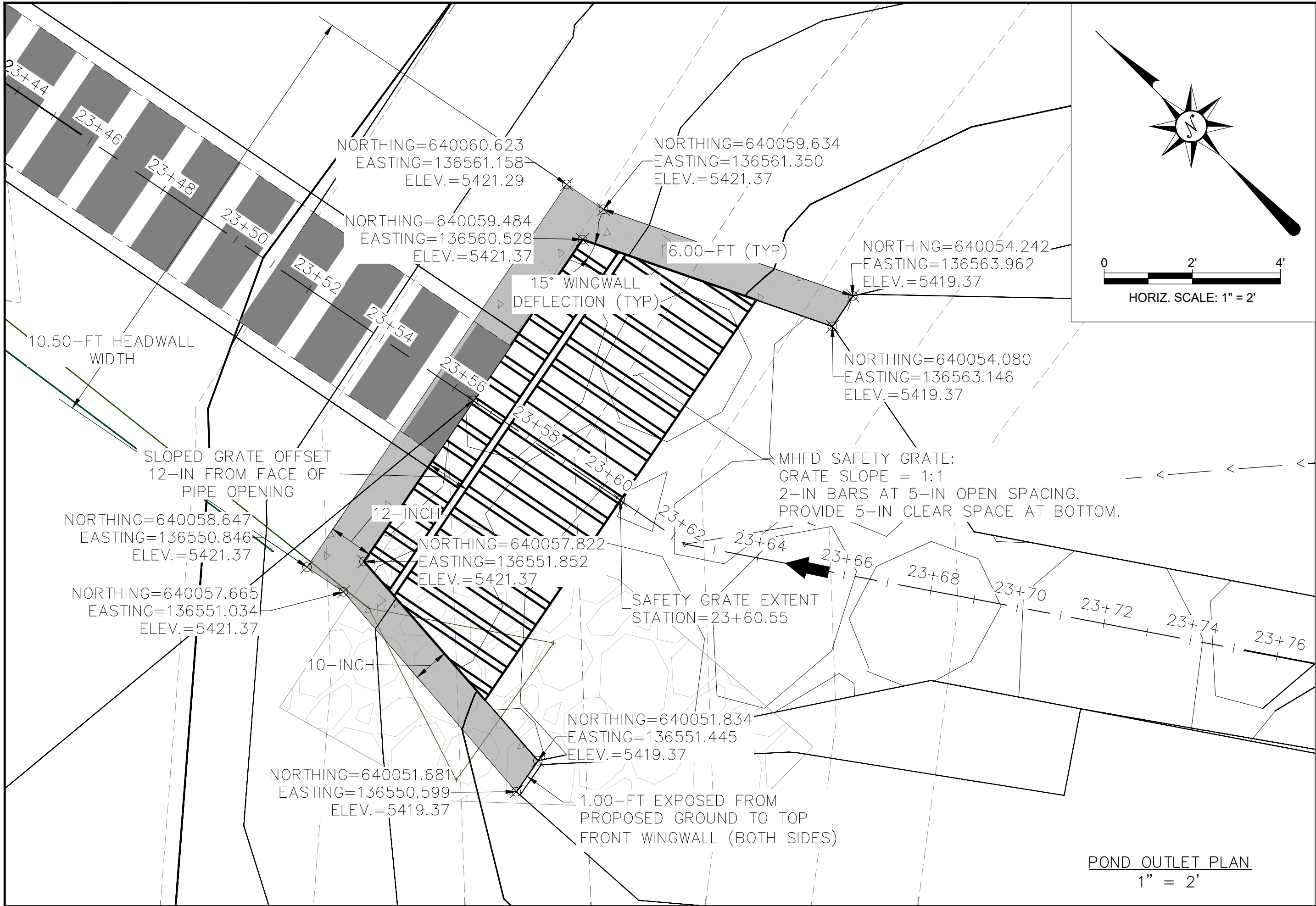
RIDGEVIEW PARK POND
INTERIM IMPROVEMENTS
PLAN AND PROFILE

#	DATE	DESCRIPTION	INITIALS

DRAWN BY: KAN
DESIGNED BY: DPL
CHECKED BY: DPL

DATE
JUNE 2026
SHEET
C-103

NOT FOR CONSTRUCTION



PREPARED BY:
LOEWEN
Engineering Inc.
7388 S REVERE PKWY
SUITE 601
CENTENNIAL, CO 80112
O: (720) 667-2063

PREPARED FOR:
Littleton
MHFD
MILE HIGH FLOOD DISTRICT

VERIFY SCALE:
BAR IS ONE INCH
ON ORIGINAL
DRAWINGS



Know what's below.
Call before you dig.

RIDGEVIEW PARK POND
INTERIM IMPROVEMENTS
DETAILS (1 OF 2)

#	DATE	DESCRIPTION	INITIALS

DRAWN BY: KAN
DESIGNED BY: DPL
CHECKED BY: DPL

DATE
JUNE 2026

SHEET
C-104

NOT FOR CONSTRUCTION

SOIL RIPRAP NOTES:

1. ELEVATION TOLERANCES FOR THE SOIL RIPRAP SHALL BE 0.10 FEET. THICKNESS OF SOIL RIPRAP SHALL BE NO LESS THAN THICKNESS SHOWN AND NO MORE THAN 2-INCHES GREATER THAN THE THICKNESS SHOWN.

2. WHERE "SOIL RIPRAP" IS DESIGNATED ON THE CONTRACT DRAWINGS, RIPRAP VOIDS ARE TO BE FILLED WITH NATIVE SOIL. THE RIPRAP SHALL BE PRE-MIXED WITH THE NATIVE SOIL AT THE FOLLOWING PROPORTIONS BY VOLUME: 65 PERCENT RIPRAP AND 35 PERCENT SOIL. THE SOIL USED FOR MIXING SHALL BE NATIVE TOPSOIL AND SHALL HAVE A MINIMUM FINES CONTENT OF 15 PERCENT. THE SOIL RIPRAP SHALL BE INSTALLED IN A MANNER THAT RESULTS IN A DENSE, INTERLOCKED LAYER OF RIPRAP WITH RIPRAP VOIDS FILLED COMPLETELY WITH SOIL. SEGREGATION OF MATERIALS SHALL BE AVOIDED AND IN NO CASE SHALL THE COMBINED MATERIAL CONSIST PRIMARILY OF SOIL; THE DENSITY AND INTERLOCKING NATURE OF RIPRAP IN THE MIXED MATERIAL SHALL ESSENTIALLY BE THE SAME AS IF THE RIPRAP WAS PLACED WITHOUT SOIL.

3. WHERE SPECIFIED (TYPICALLY AS "BURIED SOIL RIPRAP"), A SURFACE LAYER OF TOPSOIL SHALL BE PLACED OVER THE SOIL RIPRAP ACCORDING TO THE THICKNESS SPECIFIED ON THE CONTRACT DRAWINGS. THE TOPSOIL SURFACE LAYER SHALL BE COMPACTED TO APPROXIMATELY 85% OF MAXIMUM DENSITY AND WITHIN TWO PERCENTAGE POINTS OF OPTIMUM MOISTURE IN ACCORDANCE WITH ASTM D698. TOPSOIL SHALL BE ADDED TO ANY AREAS THAT SETTLE.

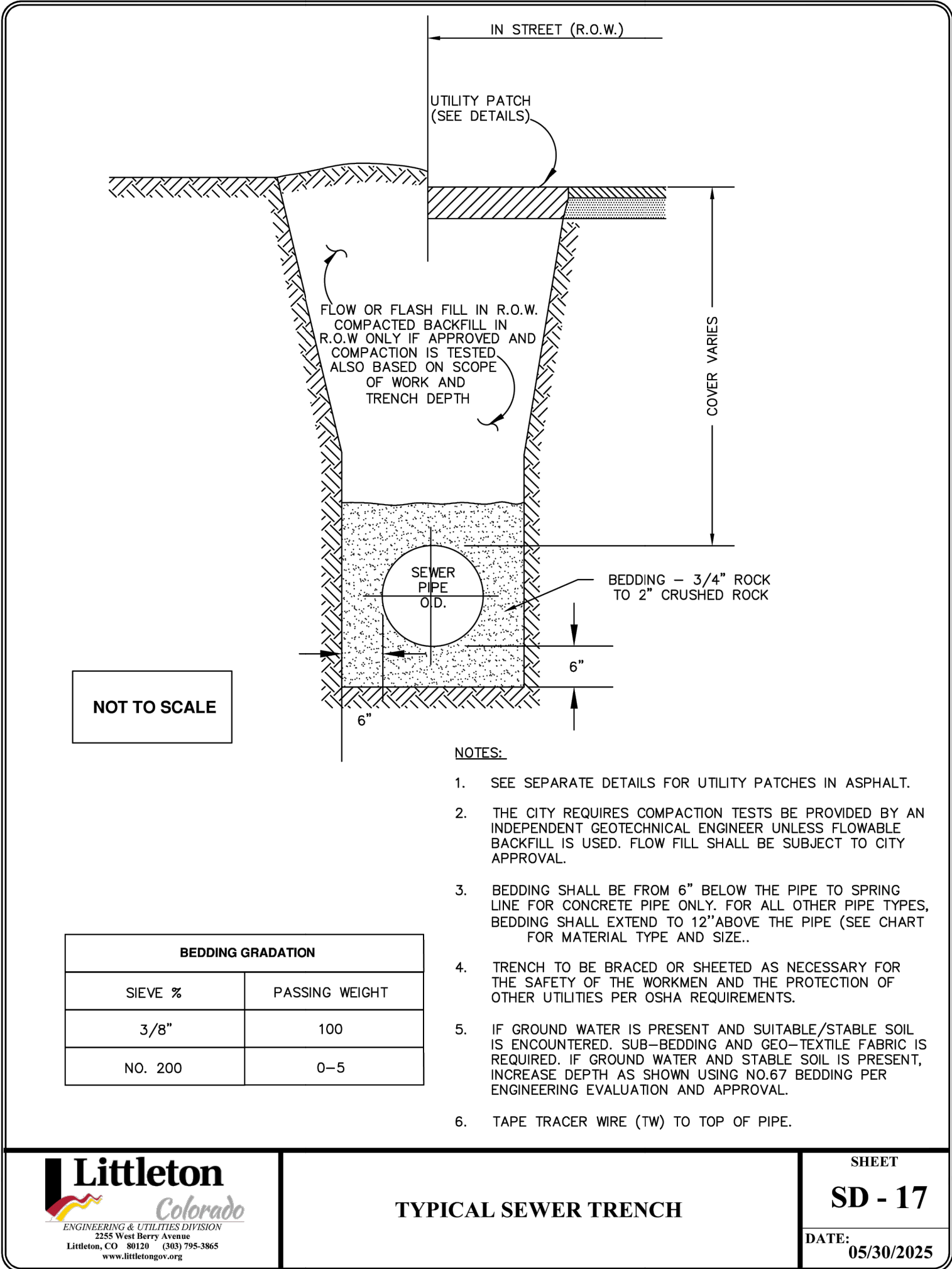
4. ALL SOIL RIPRAP THAT IS BURIED WITH TOPSOIL SHALL BE REVIEWED AND APPROVED BY THE ENGINEER PRIOR TO ANY TOPSOIL PLACEMENT.

5. MATERIAL PROCESSED AND REUSED ON SITE MUST AT MINIMUM MEET CRITERIA OF TYPE M SOIL RIPRAP DESIGNATION AND APPROVED BY THE ENGINEER PRIOR TO PLACEMENT.

RIPRAP DESIGNATION	% SMALLER THAN GIVEN SIZE BY WEIGHT	INTERMEDIATE ROCK DIMENSION (INCHES)	D ₅₀ * (INCHES)
TYPE VL	70 – 100	12	6
	50 – 70	9	
	35 – 50	6	
	2 – 10	2	
TYPE M	70 – 100	21	12
	50 – 70	18	
	35 – 50	12	
	2 – 10	4	

*D₅₀ = MEAN ROCK SIZE

SOIL RIPRAP PLACEMENT AND GRADATION



NOT FOR CONSTRUCTION

PREPARED BY:

LOEWEN
Engineering Inc.
7388 S REVERE PKWY
SUITE 601
CENTENNIAL, CO 80112
O: (720) 667-2063

PREPARED FOR:

Littleton

MHFD
MILE HIGH FLOOD DISTRICT

VERIFY SCALE:

BAR IS ONE INCH
ON ORIGINAL
DRAWINGS



Know what's below.
Call before you dig.

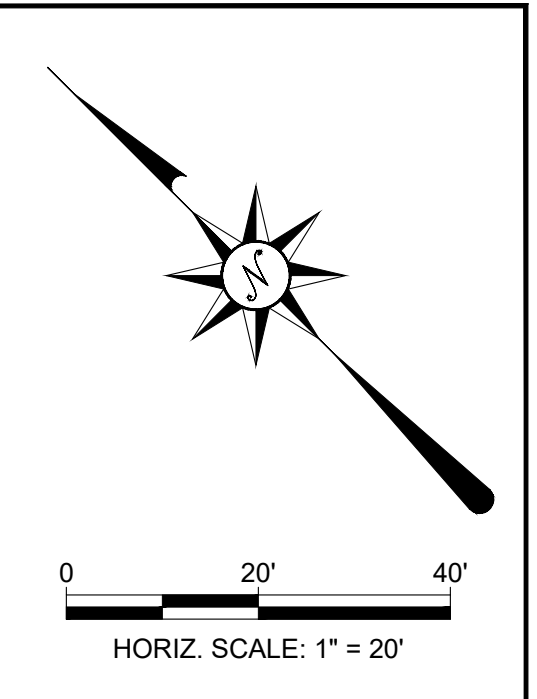
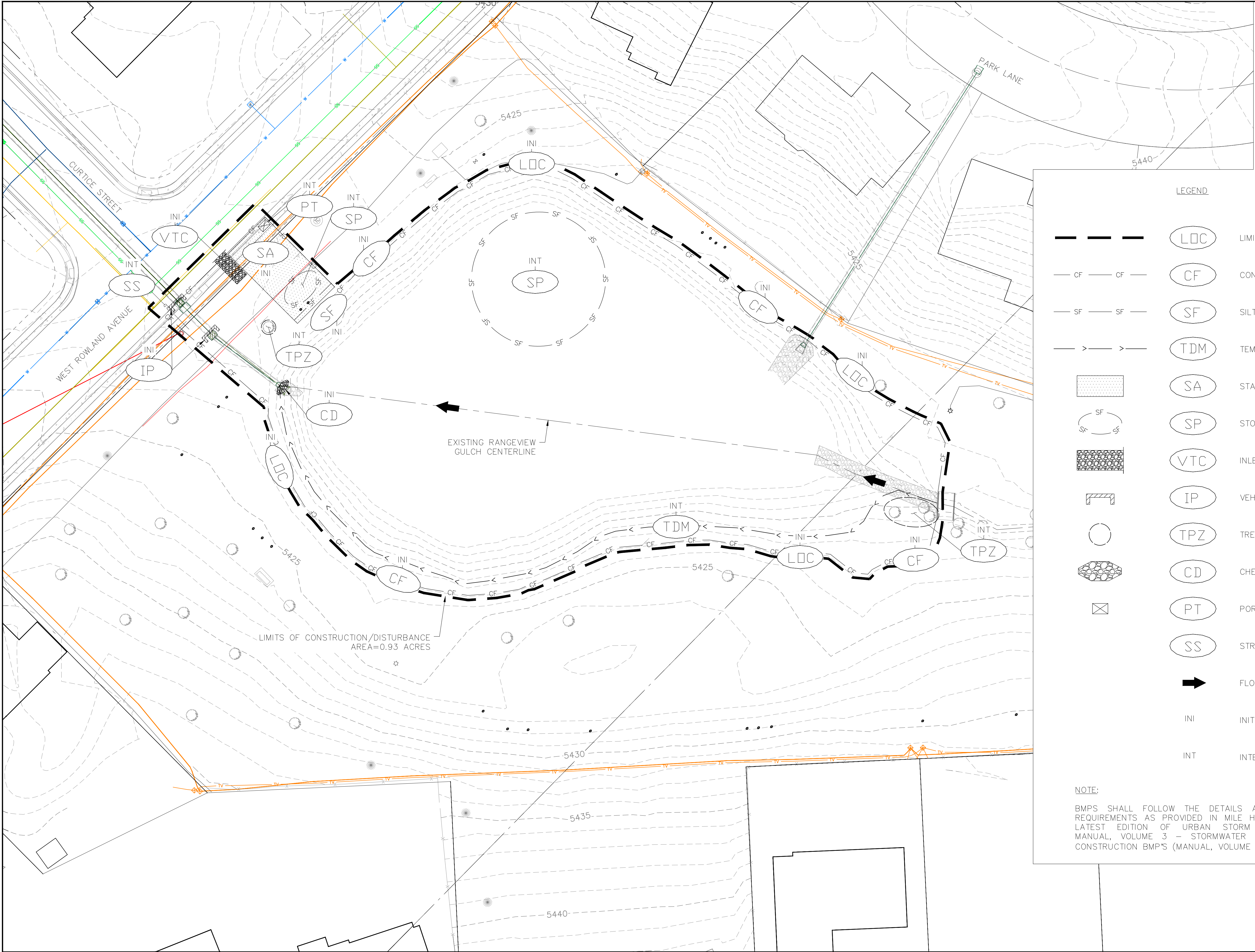
RIDGEVIEW PARK POND
INTERIM IMPROVEMENTS
DETAILS (2 OF 2)

#	DATE	DESCRIPTION	INITIALS

DRAWN BY: KAN
DESIGNED BY: DPL
CHECKED BY: DPL

DATE
JUNE 2026

SHEET
C-105



LEGEND

	LOC	LIMITS OF CONSTRUCTION
	CF	CONSTRUCTION FENCE
	SF	SILT FENCE
	TDM	TEMPORARY STREAM DIVERSION
	SA	STAGING AREA
	SP	STOCKPILE PROTECTION
	VTC	INLET PROTECTION
	IP	VEHICLE TRACKING CONTROL
	TPZ	TREE PROTECTION ZONE
	CD	CHECK DAM
	PT	PORTABLE TOILET
	SS	STREET SWEEPING
		FLOW DIRECTION ARROW
INI	INI	INITIAL CONTROL MEASURE
INT	INT	INTERIM CONTROL MEASURE

NOTE:
BMPS SHALL FOLLOW THE DETAILS AND MINIMUM DESIGN REQUIREMENTS AS PROVIDED IN MILE HIGH FLOOD DISTRICT'S LATEST EDITION OF URBAN STORM DRAINAGE CRITERIA MANUAL, VOLUME 3 – STORMWATER QUALITY, CHAPTER 7 CONSTRUCTION BMP'S (MANUAL, VOLUME 3).

NOT FOR CONSTRUCTION

PREPARED BY:

LOEWEN
Engineering Inc.
7388 S REVERE PKWY
SUITE 601
CENTENNIAL, CO 80112
O: (720) 667-2063

PREPARED FOR:

Littleton
MTFD
MILE HIGH FLOOD DISTRICT

VERIFY SCALE:
BAR IS ONE INCH
ON ORIGINAL
DRAWINGS

Know what's below.
Call before you dig.

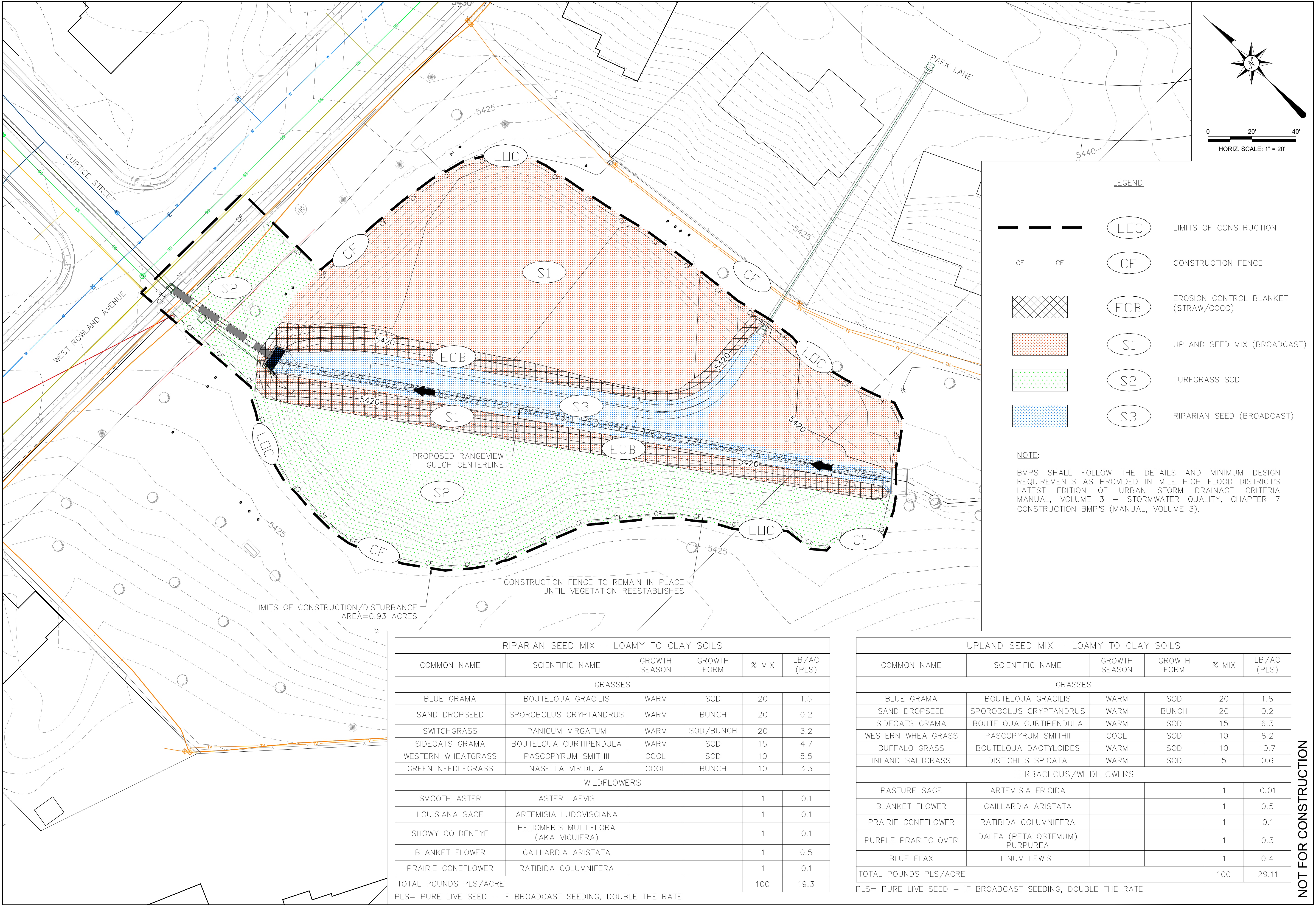
RIDGEVIEW PARK POND
INTERIM IMPROVEMENTS
INITIAL-INTERIM SWMP

#	DATE	DESCRIPTION	INITIALS

DRAWN BY: KAN
DESIGNED BY: DPL
CHECKED BY: DPL

DATE
JUNE 2026

SHEET
C-106



PREPARED BY:



LOEWEN
Engineering Inc.
7388 S REVERE PKWY
SUITE 601
CENTENNIAL, CO 80112
O: (720) 667-2063

PREPARED FOR:



Littleton
MTFD
MILE HIGH FLOOD DISTRICT

VERIFY SCALE:
BAR IS ONE INCH
ON ORIGINAL
DRAWINGS



811
Know what's below.
Call before you dig.

RIDGEVIEW PARK POND
INTERIM IMPROVEMENTS
FINAL SWMP

#	DATE	DESCRIPTION	INITIALS

DRAWN BY: KAN
DESIGNED BY: DPL
CHECKED BY: DPL

DATE
JUNE 2026

SHEET
C-107

NOT FOR CONSTRUCTION