

File Location: D:\DEN\Projects\5097-02-RRWD_Overall_East\Projects\2024-01_BG_Park\Design\CDS\GESC\B\G_Park-COVER.dwg Plot Date: 02/23/2024 1:03 PM Last Saved By: MADALYN SUITER
 THE USE OF ANY CHANGE TO EXISTING MEDIA, EQUIPMENT OR AN INSTRUMENT OF SERVICE, PROVIDED BY MERRICK AND COMPANY, FOR A FUTURE PROJECT, REUSE OR MODIFICATION OF ANY UTILITARIAN NOT A FUTURE INSTRUMENT, WITHOUT THE PRIOR EXPRESS WRITTEN CONSENT OF MERRICK AND COMPANY SHALL BE AT THE USER'S RISK. THE USER ASSUMES ALL LIABILITY FOR THE USE OF ANY SUCH MATERIALS OR EQUIPMENT.

GENERAL CONSTRUCTION NOTES

- ALL CONTRACTOR AND SUBCONTRACTORS SHALL HAVE A SET OF APPROVED CONSTRUCTION DOCUMENTS, THE APPROPRIATE EDITION OF THE GOVERNING JURISDICTION DESIGN AND CONSTRUCTION STANDARDS, THE STORM WATER MANAGEMENT PLAN, AND ALL REQUIRED PERMITS ON SITE AT ALL TIMES.
- ALL (SANITARY SEWER, STORM SEWER, UNDERDRAIN, WATER LINE, OR STREET) CONSTRUCTION SHALL CONFORM TO THE APPROPRIATE EDITION OF THE GOVERNING JURISDICTION STANDARDS AND SPECIFICATIONS.
- THE ENGINEER MAKES NO REPRESENTATION OR GUARANTEE REGARDING EARTHWORK QUANTITIES OR THAT THE EARTHWORK FOR THIS PROJECT WILL BALANCE DUE TO VARIOUS FIELD CONDITIONS, CHANGING SOIL TYPES, ALLOWABLE CONSTRUCTION TOLERANCES, AND CONSTRUCTION METHODS THAT ARE BEYOND THE CONTROL OF THE ENGINEER.
- MERRICK & COMPANY IS NOT RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES, SAFETY PRECAUTIONS, OR PROGRAMS UTILIZED IN CONNECTION WITH THE WORK. MERRICK WILL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL CALL THE NATIONWIDE UTILITY CONTACT NUMBER (811) OR LOCAL UTILITY LOCATE SERVICE, TO REQUEST LOCATES OF ALL UNDERGROUND UTILITIES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF ANY LAND DISTURBING ACTIVITY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITIES, INCLUDING DEPTH. UTILITY LOCATIONS ARE APPROXIMATE ONLY AND ARE NOT RELIABLE FOR CONSTRUCTION PURPOSES. THE UTILITIES SHOWN ON THE PLANS ARE FROM THE BEST AVAILABLE INFORMATION AND MAY NOT INCLUDE ALL UTILITIES THAT EXIST ON THE PROJECT SITE. THE CONTRACTOR SHALL PARTICIPATE IN THE RESOLUTION OF ANY CONFLICTS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
- THE CONTRACTOR SHALL VERIFY SITE CONDITIONS, EXISTING TOPOGRAPHIC DATA, AND LOCATIONS OF ALL UTILITIES PRIOR TO INITIATING CONSTRUCTION. THE CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES ON THE PROJECT SITE. ANY DAMAGE TO EXISTING UTILITIES, WHETHER SHOWN OR NOT ON THE PROJECT PLANS, SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE AND NO ADDITIONAL COST TO THE OWNER. NOTIFY ENGINEER AND OWNER OF ANY DISCREPANCIES FOUND PRIOR TO INITIATING ANY WORK.
- THE CONTRACTOR SHALL OBTAIN ALL PERMITS NECESSARY TO COMPLETE THE WORK AND SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS. A COPY OF ALL PERMITS SHALL BE MAINTAINED ON-SITE AT ALL TIMES.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT LISTED BELOW:
 "GEOTECHNICAL EVALUATION RIDGEGATE PARKWAY STATION ROADS LONE TREE, COLORADO" BY GROUND ENGINEERING, DATED DECEMBER 20, 2019
- THE CONTRACTOR IS RESPONSIBLE FOR SAFETY OF ALL PERSONNEL AND EQUIPMENT ON THE PROJECT SITE AT ALL TIMES, AND IS NOT LIMITED TO NORMAL WORKING HOURS. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL SAFETY AND HEALTH REGULATIONS.
- TRAFFIC CONTROL STANDARDS FOR THIS PROJECT SHALL COMPLY WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION. A TRAFFIC CONTROL PLAN APPROVED BY OWNER FOR ON-SITE ACTIVITY AND/OR THE LOCAL ENTITY EXERCISING JURISDICTION OVER PUBLIC RIGHTS OF WAY SHALL BE OBTAINED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER.
- THERE SHALL BE NO WORK PERFORMED ON WEEKENDS OR HOLIDAYS, UNLESS ACCEPTED AND APPROVED IN WRITING AND IN ADVANCE BY THE OWNER, ENGINEER, AND LOCAL JURISDICTION.
- ALL WASTE MATERIALS SHALL BE PROPERLY DISPOSED OF IN AN APPROVED LANDFILL PERMITTED TO ACCEPT THAT PARTICULAR TYPE OF WASTE.
- DEVIATIONS FROM THESE PLANS AND SPECIFICATIONS WITHOUT PRIOR WRITTEN APPROVAL OF THE OWNER OR HIS DESIGNATED REPRESENTATIVE MAY CAUSE THE WORK TO BE DEEMED UNACCEPTABLE.
- INSTALL INITIAL SEDIMENTATION AND EROSION CONTROL MEASURES PRIOR TO INITIATING ANY WORK ON THE PROJECT SITE. MAINTAIN ALL EROSION CONTROL MEASURES UNTIL FINAL STABILIZATION AND REVEGETATION IS APPROVED BY THE COUNTY AND/OR CITY.
- THE PROJECT PLANS AND SPECIFICATIONS ARE INTENDED TO PROVIDE THE COMPLETED PROJECT IN A COMPLETE AND OPERABLE CONDITION. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL MATERIALS AND PROVIDE ALL LABOR NECESSARY TO COMPLETE THE PROJECT IN A NEAT AND WORKMANLIKE MANNER, INCLUDING ALL INCIDENTALS NECESSARY TO COMPLETE THE WORK, WITHOUT ADDITIONAL COST TO THE OWNER.
- NOTIFY INSPECTORS OF ALL WORK ACTIVITY AT LEAST 24 HOURS IN ADVANCE.
- ANY INSPECTION BY THE GOVERNING AGENCY OR THE ENGINEER, SHALL NOT, IN ANY WAY, RELIEVE THE CONTRACTOR FROM ANY OBLIGATION TO PERFORM THE WORK IN STRICT COMPLIANCE WITH THE APPLICABLE CODES AND AGENCY REQUIREMENTS.
- ANY DISRUPTION IN UTILITIES SHALL BE COORDINATED AT LEAST 24 HOURS IN ADVANCE WITH THE UTILITY OWNER, PROJECT OWNER, EMERGENCY PROVIDERS, ALL IMPACTED LOCAL RESIDENTS, AND IMPACTED BUSINESS OWNERS. METHOD OF NOTIFICATION SHALL BE SUBJECT TO APPROVAL OF THE PROJECT OWNER AND AFFECTED UTILITY OWNER.
- MAINTAIN EMERGENCY VEHICLE ACCESS TO AND THROUGH THE PROJECT SITE AT ALL TIMES.
- THE CONTRACTOR IS RESPONSIBLE FOR RESTORATION OF EXISTING UTILITIES AND SURFACE CONDITIONS DISTURBED BY CONSTRUCTION ACTIVITIES TO THE SATISFACTION OF THE OWNER, PROPERTY OWNER, AFFECTED UTILITY, OR LOCAL JURISDICTION. ALL SURFACE AND UTILITY RESTORATION SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER. ALL SURFACE RESTORATION SHALL BE REPLACED WITH LIKE KIND, SIZE, AND TYPE OF IMPROVEMENT THAT EXISTED PRIOR TO INITIATING CONSTRUCTION.
- THE PROJECT PLANS AND SPECIFICATIONS AS SIGNED AND SEALED BY A PROFESSIONAL ENGINEER, FOR AND ON BEHALF OF MERRICK AND COMPANY, REPRESENT THE FINAL CONSTRUCTION DOCUMENTS FOR THIS PROJECT. THE USE OF ANY ELECTRONIC OR OTHER MEDIA PURPORTING TO REPRESENT THE FINAL CONSTRUCTION DOCUMENTS FOR THIS PROJECT SHALL NOT BE RELIED UPON AS FINAL CONSTRUCTION DOCUMENTS. SHOULD THERE BE A CONFLICT BETWEEN SEALED DRAWINGS AND ELECTRONIC OR OTHER MEDIA FILES, THE SEALED DRAWINGS SHALL GOVERN. EACH USER OF ANY ELECTRONIC OR OTHER MEDIA WAIVES AND RELEASES MERRICK FROM ALL ACTIONS, CLAIMS, DAMAGES, ACTIONS, OBLIGATIONS, AND LIABILITIES OF ANY KIND OR NATURE WITH RESPECT TO THE ELECTRONIC OR OTHER MEDIA FILES.
- NOTHING CONTAINED IN THE CONTRACT DOCUMENTS SHALL CREATE, NOR SHALL BE CONSTRUED TO CREATE, ANY CONTRACTUAL RELATIONSHIP BETWEEN THE ENGINEER AND THE CONTRACTOR OR ANY SUBCONTRACTOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROMPTLY NOTIFYING THE ENGINEER OF ANY PROBLEMS OR POTENTIAL PROBLEMS IN CONFORMANCE TO THE DESIGN LINE AND GRADE FOR ANY ELEMENT OF THE CONSTRUCTION. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROMPTLY NOTIFYING THE ENGINEER OF SITE CONDITIONS THAT DIFFER FROM THOSE SHOWN ON THE APPROVED PLANS.
- IN THE EVENT THE CONTRACTOR ALLOWS, AUTHORIZES, APPROVES OR CONSTRUCTS ITEMS THAT DIFFER FROM THE APPROVED PLAN, SPECIFICATIONS, OR OTHER CONTRACT DOCUMENTS, WITHOUT WRITTEN APPROVAL BY THE ENGINEER, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY LIABILITY ARISING FROM SUCH CHANGES.

EXISTING SUBSURFACE UTILITY NOTES

- THE EXISTING SUBSURFACE UTILITIES DEPICTED IN THESE PLANS ARE IN ACCORDANCE WITH THEIR ACHIEVED QUALITY LEVELS AS DEFINED BY THE AMERICAN SOCIETY OF CIVIL ENGINEERS STANDARD 38-02, "STANDARD GUIDELINE FOR COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA."
- THE SUBSURFACE UTILITY ENGINEERING NOTIFICATION AND INVESTIGATION WAS PERFORMED DURING MARCH AND APRIL 2023. MERRICK WILL NOT BE HELD LIABLE FOR ANY CHANGES IN FIELD CONDITIONS BEYOND THE DATES IN WHICH THE SUBSURFACE UTILITY INVESTIGATION WAS COMPLETED.
- THE FOLLOWING UTILITIES WERE NOT INCLUDED AS PART OF THE SUBSURFACE UTILITY ENGINEERING INVESTIGATION; LANDSCAPE IRRIGATION SYSTEMS, UTILITY SERVICES TO RESIDENCES OR BUSINESSES, UNDERGROUND STORAGE TANKS, SEPTIC TANKS, WELLS, AND TRAFFIC DETECTION DEVICES.
- THE CONTRACTOR SHALL COMPLY WITH ARTICLE 1.5 OF TITLE 9, CRS ("EXCAVATION REQUIREMENTS") WHEN EXCAVATING OR GRADING IS PLANNED IN THE AREA OF UNDERGROUND UTILITY FACILITIES. THE CONTRACTOR SHALL NOTIFY ALL AFFECTED UTILITIES AT LEAST TWO (2) BUSINESS DAYS, NOT INCLUDING THE ACTUAL DAY OF NOTICE, PRIOR TO COMMENCING SUCH OPERATIONS. THE CONTRACTOR SHALL CONTACT THE UTILITY NOTIFICATION CENTER OF COLORADO (UNCC) AT PHONE NO. 811, TO HAVE LOCATIONS OF UNCC REGISTERED LINES MARKED BY MEMBER COMPANIES. ALL OTHER UNDERGROUND FACILITIES SHALL BE LOCATED BY CONTACTING THE RESPECTIVE OWNER. UTILITY SERVICE LATERALS SHALL ALSO BE LOCATED PRIOR TO BEGINNING EXCAVATION OR GRADING. THE CONTRACTOR SHALL LOCATE NON-MEMBER UTILITIES, SUCH AS STORM SEWER AND DITCH FACILITIES, AS NECESSARY TO PREVENT DAMAGE THERETO.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL LOCATIONS OF EXISTING STRUCTURES AND UTILITIES SHOWN ON THE PLANS AND TO ASCERTAIN WHETHER ANY OTHER STRUCTURES AND UTILITIES MAY EXIST. THE CONTRACTOR ASSUMES RESPONSIBILITY FOR THE PROTECTION OF ALL UTILITIES DURING THE WORK. REPAIR OF DAMAGE TO EXISTING UTILITIES DURING CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

CITY OF LONE TREE GENERAL NOTES

- THE CITY OF LONE TREE ENGINEER'S SIGNATURE AFFIXED TO THIS DOCUMENT INDICATES THE ENGINEERING DIVISION HAS REVIEWED THE DOCUMENT AND FOUND IT IN GENERAL CONFORMANCE WITH THE CITY OF LONE TREE SUBDIVISION RESOLUTION OR APPROVED VARIANCES TO THOSE REGULATIONS. THE CITY OF LONE TREE ENGINEER, THROUGH ACCEPTANCE OF THIS DOCUMENT, ASSUMES NO RESPONSIBILITY, OTHER THAN STATED ABOVE, FOR THE COMPLETENESS AND/OR ACCURACY OF THESE DOCUMENTS. THE OWNER AND 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 IS AFFIXED TO THIS DOCUMENT.
- ALL ROADWAY CONSTRUCTION SHALL CONFORM TO CURRENT DOUGLAS COUNTY ROADWAY DESIGN AND CONSTRUCTION STANDARDS.
- ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION BY THE CITY OF LONE TREE ENGINEERING DIVISION. THE CITY RESERVES THE RIGHT TO ACCEPT OR REJECT ANY SUCH MATERIALS AND WORKMANSHIP THAT DOES NOT CONFORM TO ITS STANDARDS AND SPECIFICATIONS.
- THE CONTRACTOR SHALL NOTIFY THE CITY OF LONE TREE PUBLIC WORKS, INSPECTION SECTION, (303) 662-8112, A MINIMUM OF 48 HOURS AND A MAXIMUM OF 96 HOURS PRIOR TO STARTING CONSTRUCTION, AND/OR BEFORE RESTARTING CONSTRUCTION AFTER A SHUTDOWN OF MORE THAN TEN (10) DAYS.
- LOCATION OF EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO ACTUAL CONSTRUCTION. FOR INFORMATION, CONTACT: UTILITY NOTIFICATION CENTER OF COLORADO (UNCC) AT (800) 922-1987 OR 811.
- THE CONTRACTOR SHALL HAVE ONE (1) SIGNED COPY (SIGNED BY BOTH DESIGN ENGINEER AND CITY OF LONE TREE) OF THE CONSTRUCTION PLANS AND GESC REPORT AND PLAN, AND ONE (1) COPY OF THE DOUGLAS COUNTY ROADWAY DESIGN AND CONSTRUCTION STANDARDS AT THE JOB SITE AT ALL TIMES.
- ALL PROPOSED STREET CUTS TO EXISTING PAVEMENTS FOR UTILITIES, STORM SEWER, OR OTHER PURPOSES ARE LISTED AND REFERENCED BELOW:
 RIDGEGATE PARKWAY
- A ROW/CONSTRUCTION PERMIT MUST BE OBTAINED BEFORE ANY WORK WITHIN EXISTING OR PROPOSED PUBLIC ROW. THE PERMIT APPLICATION MUST BE SUBMITTED TO THE CITY OF LONE TREE ENGINEER FOR REVIEW/PROCESSING A MINIMUM OF SEVEN (7) DAYS PRIOR TO REQUESTED START FOR THE WORK IN THE ROW.
- A PLAN FOR TRAFFIC CONTROL DURING CONSTRUCTION SHALL BE SUBMITTED TO THE CITY OF LONE TREE ENGINEER FOR ACCEPTANCE WITH THE PERMIT APPLICATION. AN EXCAVATION OR PUBLIC IMPROVEMENTS CONSTRUCTION PERMIT WILL NOT BE ISSUED WITHOUT AN APPROVED TRAFFIC CONTROL PLAN FOR TRAFFIC CONTROL DURING CONSTRUCTION.
- THE CONSTRUCTION PLANS SHALL BE CONSIDERED VALID FOR TWO (2) YEARS FROM THE DATE OF CITY OF LONE TREE ACCEPTANCE/APPROVAL. IF APPLICABLE CONSTRUCTION PERMITS HAVE NOT BEEN OBTAINED, AND CONSTRUCTION STARTED WITHIN THAT TIME, THESE PLANS SHALL BE VOID AND WILL BE SUBJECT TO RE-REVIEW AND RE-ACCEPTANCE BY THE CITY OF LONE TREE.
- CONTRACTOR SHALL NOTIFY THE CITY OF LONE TREE ENGINEER INSPECTOR WHEN WORKING OUTSIDE OF THE PUBLIC RIGHT-OF-WAY ON ANY FACILITY WHICH WILL BE CONVEYED TO THE CITY, MILE HIGH FLOOD DISTRICT, OR OTHER SPECIAL DISTRICT FOR MAINTENANCE (STORM SEWER, ENERGY DISPATCHERS, DETENTION OUTLET STRUCTURES, OR OTHER DRAINAGE INFRASTRUCTURES). FAILURE TO NOTIFY ENGINEERING INSPECTOR TO ALLOW THEM TO INSPECT THE CONSTRUCTION MAY RESULT IN NON-ACCEPTANCE OF THE FACILITIES/INFRASTRUCTURE BY CITY AND/OR MILE HIGH FLOOD DISTRICT.



City of Lone Tree

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Engineering Division Acceptance Block



MS	MS	CB	CB	MS	CB	MS	CB
DESIGN BY:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE	REV	DESCRIPTION	
				09/20/2024	1	2ND SUBMITTAL	DRWNCHKD/APPR

BADGER GULCH PARK CIVIL IMPROVEMENTS PLAN

GENERAL NOTES

ISSUED FOR REVIEW

FOR AND ON BEHALF OF MERRICK & COMPANY

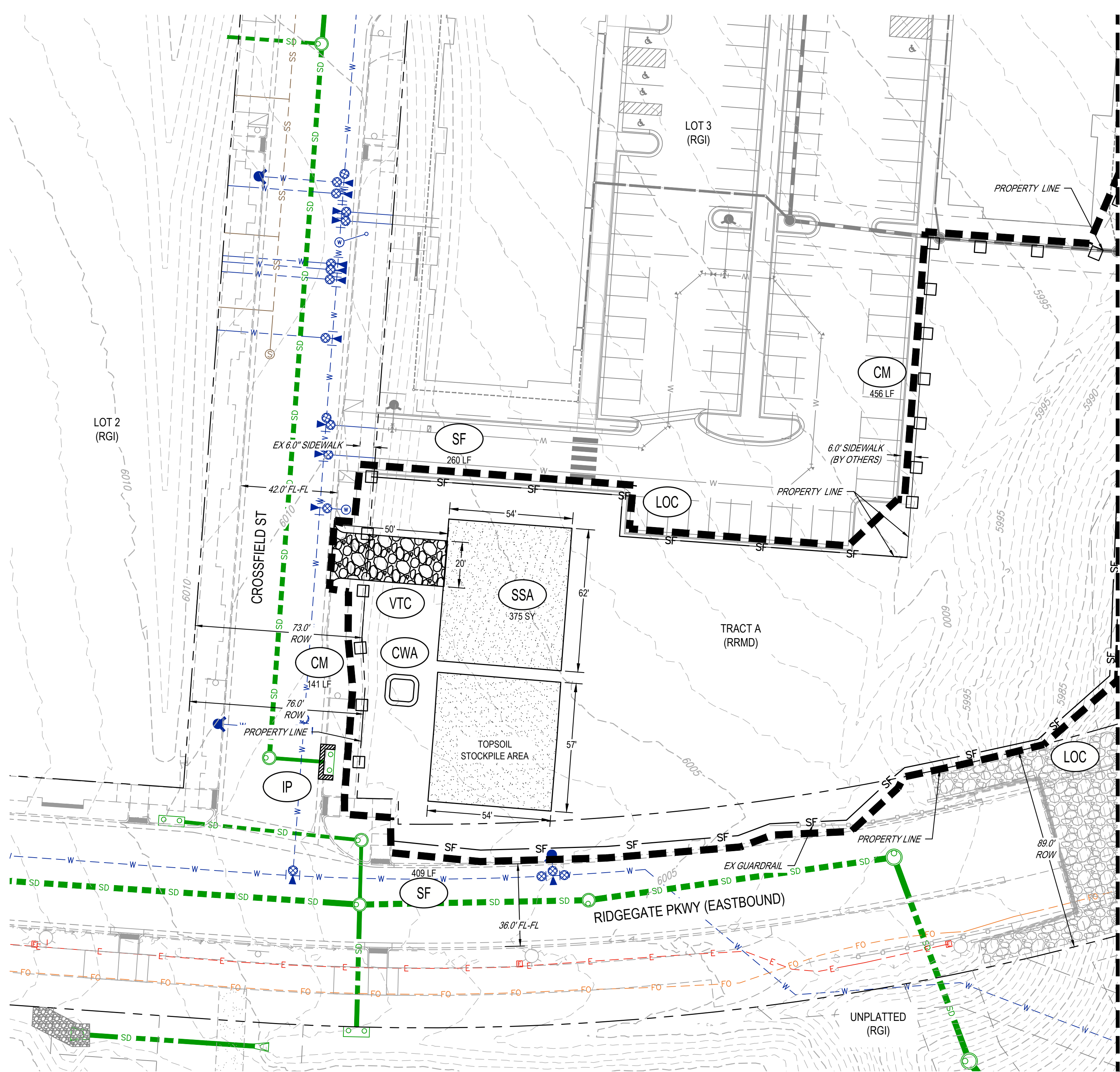
JOB NO.: 100610

DATE: 09/20/2024

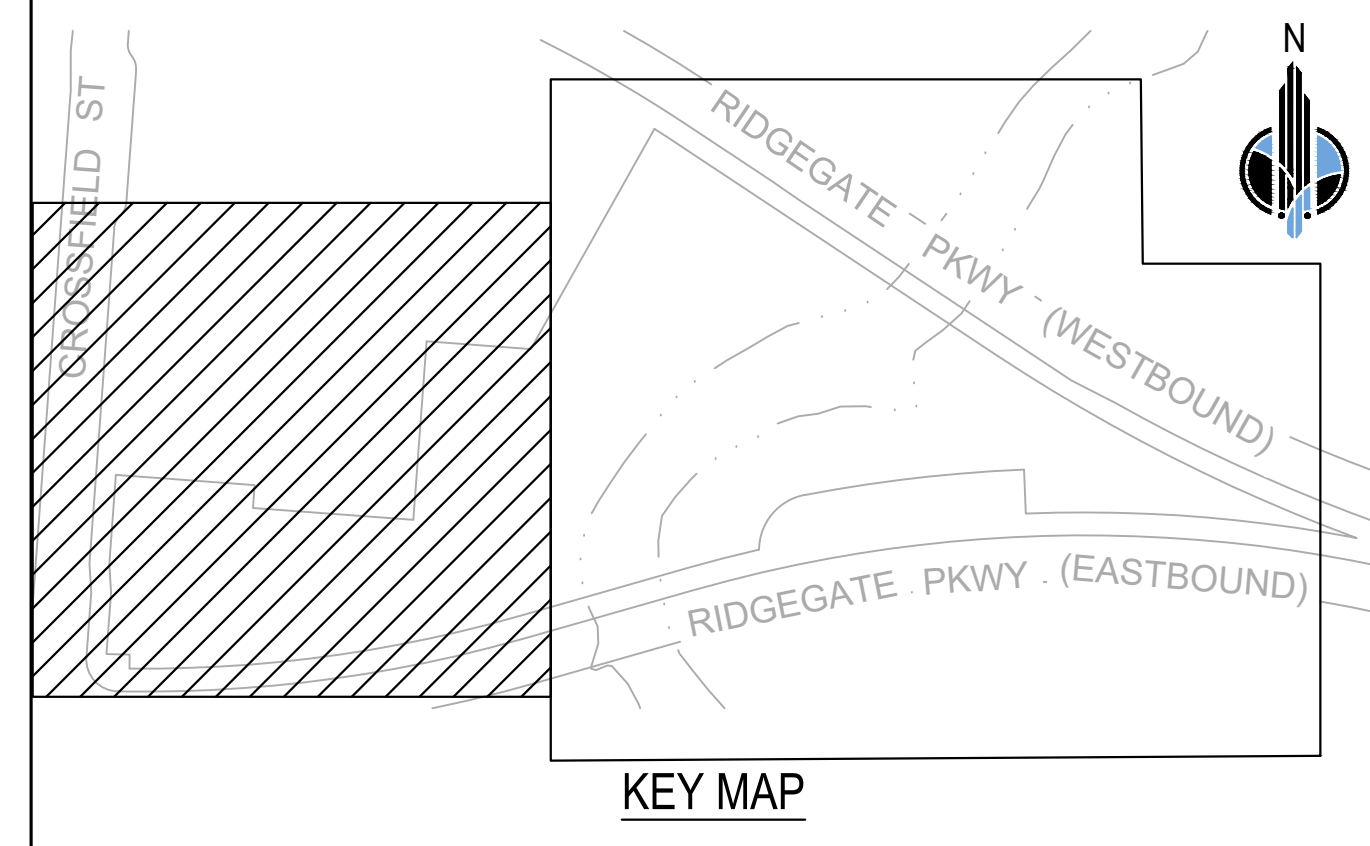
SHEET: 2 OF 25

THIS PLAN, SPECIFICATIONS, CONTRACT DOCUMENTS, AND INSTRUMENTS OF SERVICE, PREPARED BY MERRICK AND COMPANY, ARE THE PROPERTY OF MERRICK AND COMPANY. NO PART OF THIS PROJECT, PROJECT, REUSE OR MODIFICATION OF ANY INSTRUMENT WITHOUT THE WRITTEN CONSENT OF MERRICK AND COMPANY. THIS PLAN IS TO BE USED ONLY FOR THE PROJECT AND SHALL NOT BE USED FOR ANY OTHER PROJECT OR PURPOSE.

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MATCHLINE ON SHEET 4



INITIAL GESC NOTES

- SEE COVER SHEET OF LONE TREE STANDARD NOTES AND DETAILS (SHEET 1 OF 3) FOR LEGEND OF BMP NAMES AND SYMBOLS.
- SEE CONSTRUCTION PLANS FOR DETAILS OF PERMANENT DRAINAGE FACILITIES, WATER QUALITY FACILITIES, CULVERTS, STORM DRAINS, AND OUTLET PROTECTION.
- PORTABLE TOILETS SHALL BE PROVIDED NEAR THE STABILIZED STAGING AREA, PLACED ON A PERVIOUS SURFACE, AND STAKED DOWN ON ALL FOUR SIDES.
- ALL ADJACENT PAVED ROADS SHALL BE KEPT CLEAN AT ALL TIMES AND TRACKOUT SHALL BE CLEANED IMMEDIATELY USING DRY METHODS.

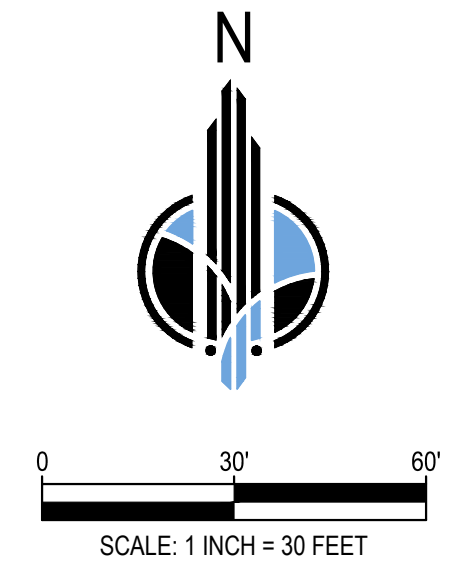
BENCHMARK

PROJECT BENCHMARK IS RIDGEGATE BM 1, A 3.25" DIAMETER BRASS CAP SET ON THE NORTHWEST BRIDGE ABUTMENT OF RIDGEGATE PARKWAY STAMPED "RIDGEGATE BM 1 2021" AND IS APPROXIMATELY 0.7 MILES EAST ON RIDGEGATE PARKWAY FROM THE INTERSECTION OF I-25 AND RIDGEGATE PARKWAY IN LONE TREE, COLORADO. THE BENCHMARK IS 1 FOOT FROM THE WEST EDGE OF THE ABUTMENT, 3 FEET NORTH OF THE BACK OF WALK, AND 31 FEET NORTH OF THE WEST BOUND CENTERLINE OF RIDGEGATE PARKWAY. ELEVATION IS 5983.40 U.S. SURVEY FEET, NAVD 88 DOUGLAS COUNTY DATUM.

PROJECT COORDINATES ARE MODIFIED COLORADO STATE PLANE CENTRAL ZONE COORDINATES. THE COMBINED FACTOR USED TO MODIFY COORDINATES WAS 1.00032591873.

BMP LEGEND

1- INITIAL BMP	RS ROCK SOCK
2- INTERIM BMP	SB SEDIMENT BASIN
3- FINAL BMP	SCL SEDIMENT CONTROL LOG
CD CHECK DAM	ST SEDIMENT TRAP
CB COMPOST BLANKET	SM SEEDING AND MULCHING
CFB COMPOST FILTER BERM	SF SILT FENCE
CWA CONCRETE WASHOUT AREA	SSA STABILIZED STAGING AREA
CF CONSTRUCTION FENCE	SR SURFACE ROUGHENING
CM CONSTRUCTION MARKER	TSD TEMPORARY SLOPE DRAIN
DW DEWATERING	TSC TEMPORARY STREAM CROSSING
DD DIVERSION DITCH	TER TERRACING
ECB EROSION CONTROL BLANKET	VTC VEHICLE TRACKING CONTROL
IP INLET PROTECTION	WW VTC WITH WHEEL WASH
RCD REINFORCED CHECK DAM	LOC LIMITS OF CONSTRUCTION
RRB REINFORCED ROCK BERM	CUT/FILL LIMITS
RRC RRB FOR CULVERT PROTECTION	FLOW DIRECTION



City of Lone Tree

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Engineering Division Acceptance Block

DESIGN BY: MS

DRAWN BY: MS

CHECKED BY: CB

APPROVED BY: CB

DATE: 09/20/2024

DATE: 09/20/2024

DATE: 09/20/2024

REV: 1

REV: 2

REV: 3

BADGER GULCH PARK CIVIL IMPROVEMENTS PLAN

INITIAL GESC PLAN 1

JOB NO.: 100610

DATE: 09/20/2024

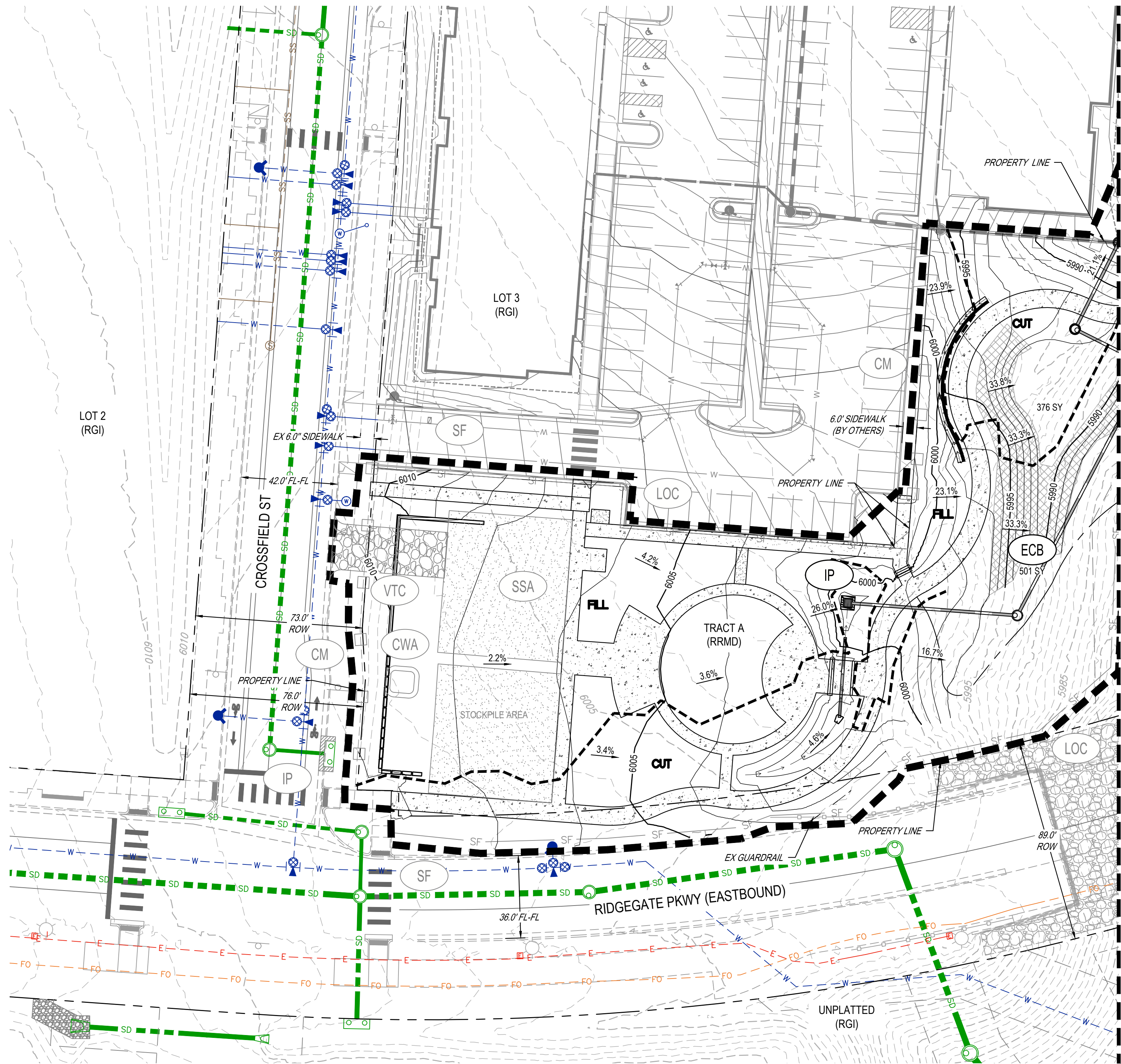
SHEET: 3 OF 25

ISSUED FOR REVIEW

FOR AND ON BEHALF OF MERRICK & COMPANY

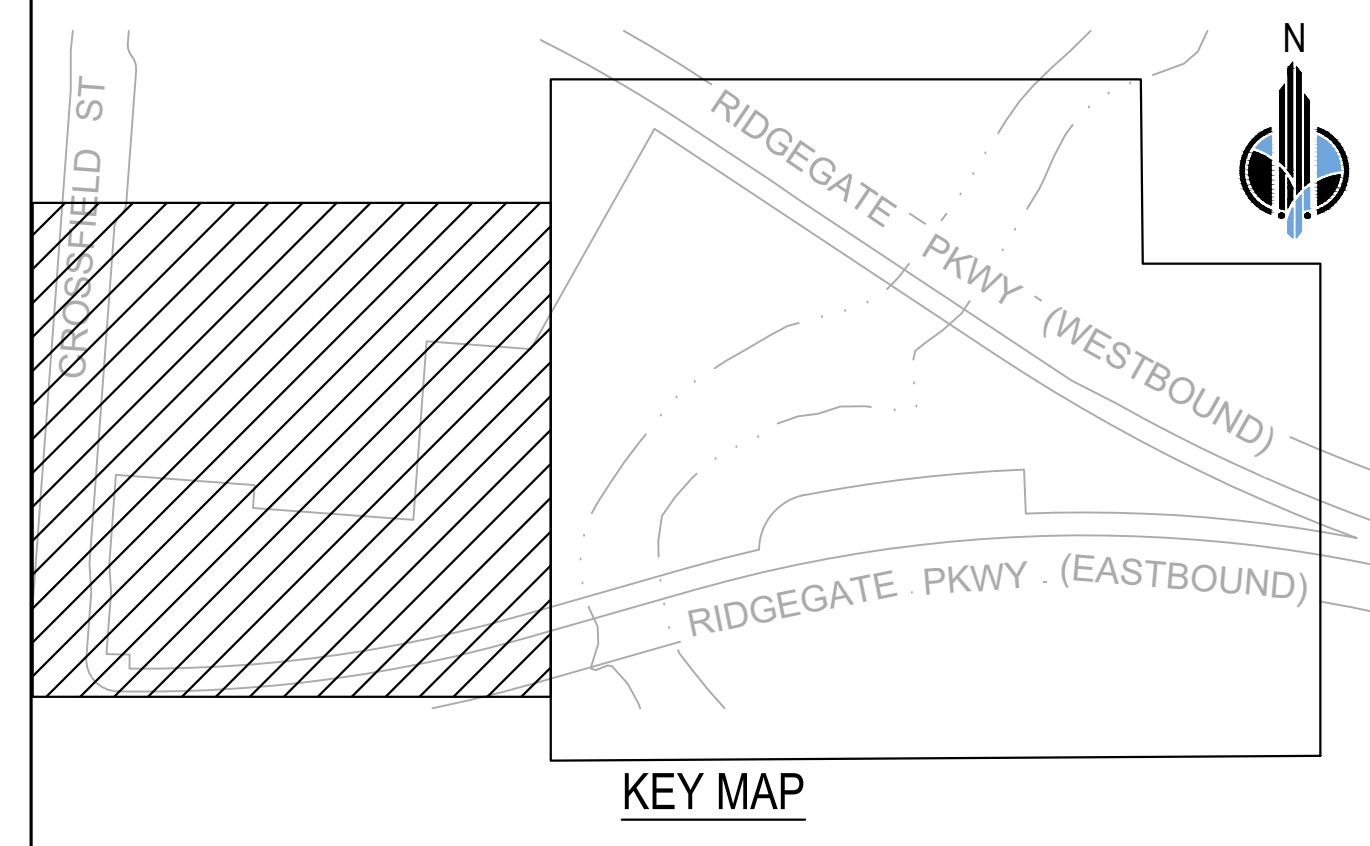
THE USE OF THESE PLANS AND SPECIFICATIONS IS AN ACKNOWLEDGMENT OF THE SERVICES PROVIDED BY MERRICK AND COMPANY, INC. A SERVICE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF LONE TREE AND ANY OTHER AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF LONE TREE AND ANY OTHER AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF LONE TREE AND ANY OTHER AGENCIES.

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MATCHLINE ON SHEET 6

CUT/FILL VOLUME SUMMARY
 CUT: 3,611 YD3
 FILL: 4,626 YD3
 NET: 1,015 YD3 FILL



- INTERIM GESC NOTES**
- SEE COVER SHEET OF LONE TREE STANDARD NOTES AND DETAILS (SHEET 1 OF 3) FOR LEGEND OF BMP NAMES AND SYMBOLS.
 - SHADED BMPs WERE INSTALLED IN THE INITIAL STAGE AND SHALL BE LEFT IN PLACE IN THE INTERIM STAGE UNLESS OTHERWISE NOTED.
 - ALL INTERIM EROSION AND SEDIMENT CONTROL BMPs INCLUDING DRILL SEEDING AND CRIMP MULCHING OF DISTURBED AREAS MUST BE INSTALLED, INSPECTED, AND APPROVED BY THE CITY PRIOR TO THE ISSUANCE OF A RIGHT-OF-WAY USE AND CONSTRUCTION PERMIT FOR THE PURPOSE OF PAVING OR INSTALLATION OF CURB AND GUTTER.
 - SEE CONSTRUCTION PLANS FOR DETAILS OF PERMANENT DRAINAGE FACILITIES, WATER QUALITY FACILITIES, CULVERTS, STORM DRAINS, AND OUTLET PROTECTION.
 - PORTABLE TOILETS SHALL BE PROVIDED NEAR THE STABILIZED STAGING AREA, PLACED ON A PERVIOUS SURFACE, AND STAKED DOWN ON ALL FOUR SIDES.
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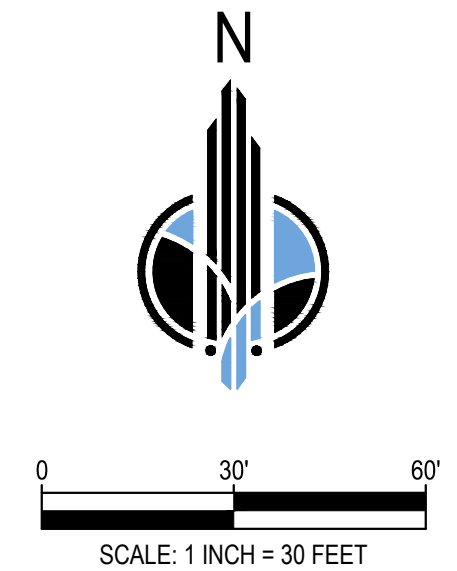
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RCD REINFORCED CHECK DAM	LOC LIMITS OF CONSTRUCTION
RRB REINFORCED ROCK BERM	LOC CUT/FILL LIMITS
RRC RRB FOR CULVERT PROTECTION	FLOW DIRECTION



City of Lone Tree

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Engineering Division Acceptance Block

MERRICK
 Engineering / Architecture / Design-Build / Surveying / Planning / Geospatial Solutions
 5970 GREENWOOD PLAZA BLVD, GREENWOOD VILLAGE, CO. 80111
 303-751-0741
 www.merrick.com

DESIGN BY:	MS				
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BADGER GULCH PARK CIVIL IMPROVEMENTS PLAN

INTERIM GESC PLAN 1

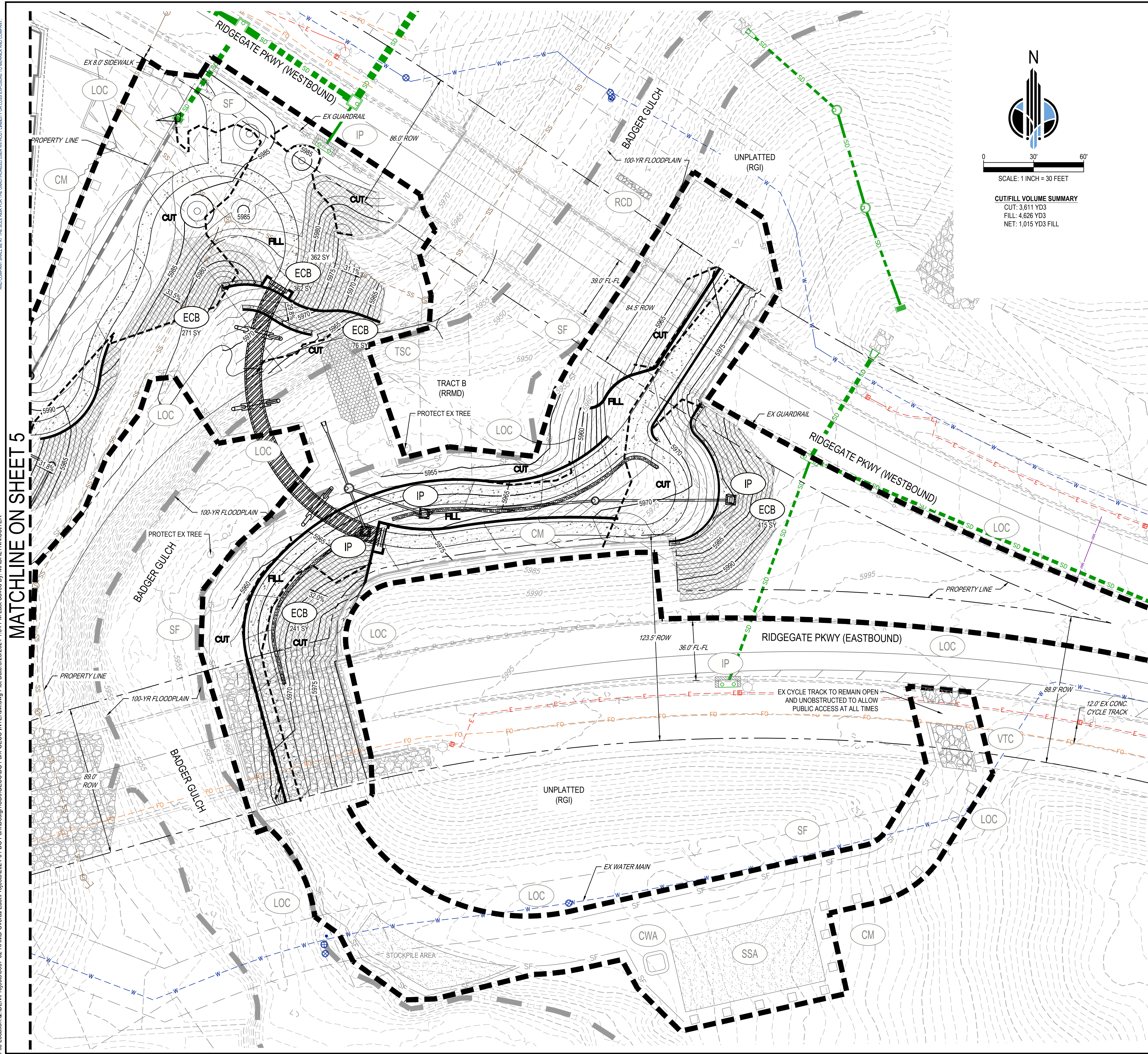
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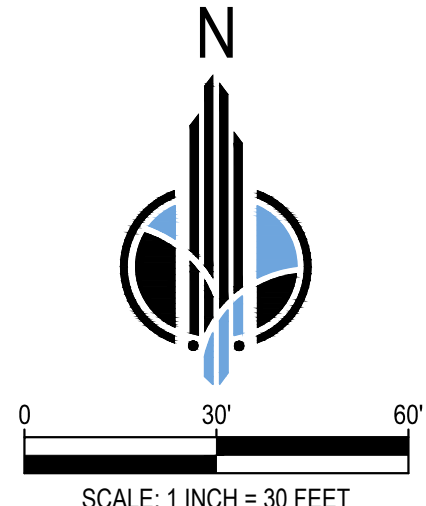
JOB NO.: 100610
 DATE: 09/20/2024
 SHEET: 5 OF 25

THE NEW OR EXISTING EROSION CONTROL MEASURES ARE AN INSTRUMENT OF SERVICE PROVIDED BY MERRICK AND COMPANY, INC. AS PART OF THE PROJECT. IT IS NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR USE IN ANY OTHER PROJECT OR FOR ANY OTHER PURPOSE. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES AND AGENCIES.

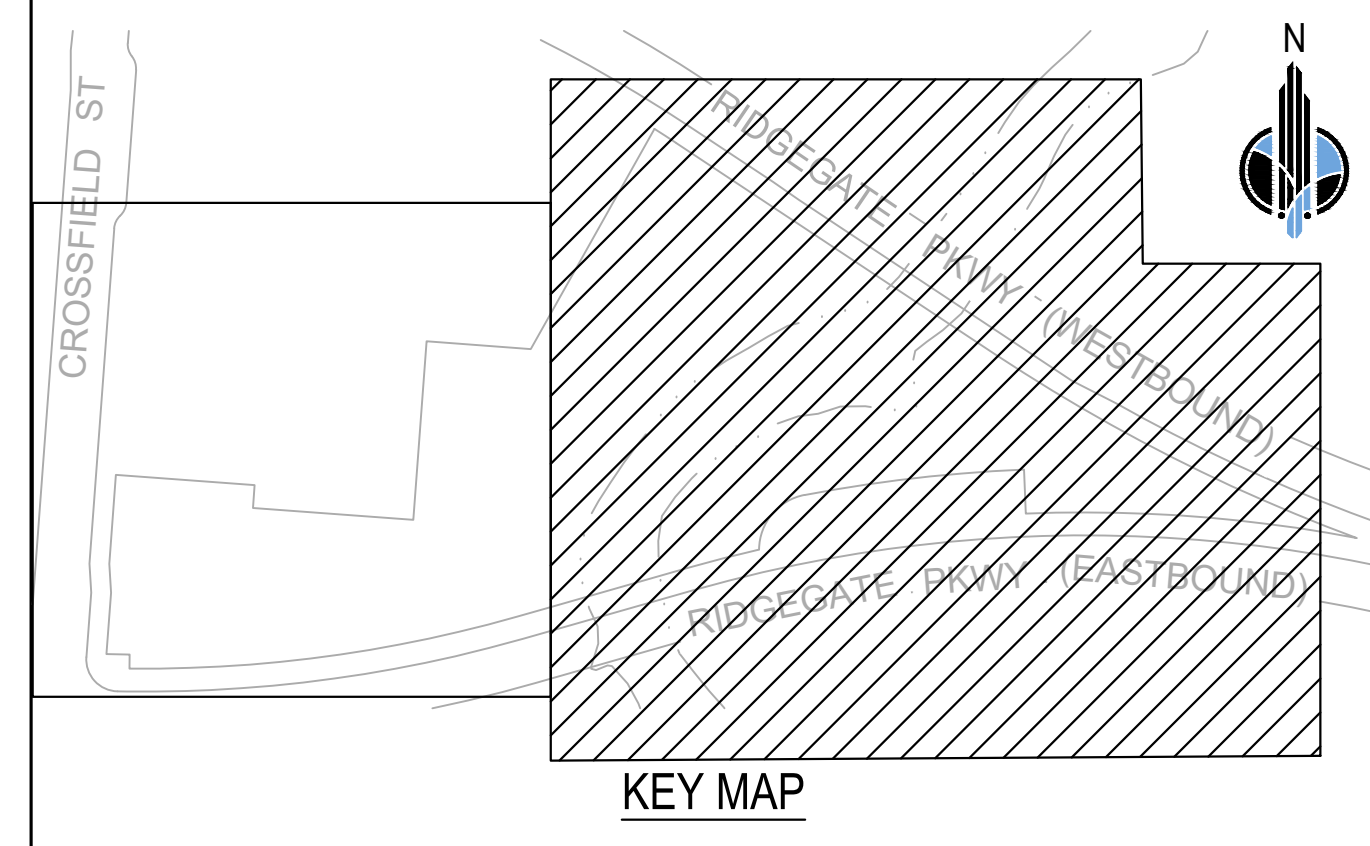
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MATCHLINE ON SHEET 5



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INTERIM GESC NOTES

- SEE COVER SHEET OF LONE TREE STANDARD NOTES AND DETAILS (SHEET 1 OF 3) FOR LEGEND OF BMP NAMES AND SYMBOLS.
- SHADED BMPs WERE INSTALLED IN THE INITIAL STAGE AND SHALL BE LEFT IN PLACE IN THE INTERIM STAGE UNLESS OTHERWISE NOTED.
- ALL INTERIM EROSION AND SEDIMENT CONTROL BMPs INCLUDING DRILL SEEDING AND CRIMP MULCHING OF DISTURBED AREAS MUST BE INSTALLED, INSPECTED, AND APPROVED BY THE CITY PRIOR TO THE ISSUANCE OF A RIGHT-OF-WAY USE AND CONSTRUCTION PERMIT FOR THE PURPOSE OF PAVING OR INSTALLATION OF CURB AND GUTTER.
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PROJECT COORDINATES ARE MODIFIED COLORADO STATE PLANE CENTRAL ZONE COORDINATES. THE COMBINED FACTOR USED TO MODIFY COORDINATES WAS 1.00032591873.

BMP LEGEND

1- INITIAL BMP	RS ROCK SOCK
2- INTERIM BMP	SB SEDIMENT BASIN
3- FINAL BMP	SCL SEDIMENT CONTROL LOG
CD CHECK DAM	ST SEDIMENT TRAP
CB COMPOST BLANKET	SM SEEDING AND MULCHING
CFB COMPOST FILTER BERM	SF SILT FENCE
CWA CONCRETE WASHOUT AREA	SSA STABILIZED STAGING AREA
CF CONSTRUCTION FENCE	SR SURFACE ROUGHENING
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IP INLET PROTECTION	WW VTC WITH WHEEL WASH
RCD REINFORCED CHECK DAM	LOC LIMITS OF CONSTRUCTION
RRB REINFORCED ROCK BERM	CUT/FILL LIMITS
RRC RRB FOR CULVERT PROTECTION	FLOW DIRECTION



Know what's below.
Call before you dig.

City of Lone Tree
 These construction plans have been reviewed by the City of Lone Tree for drainage, grading and erosion improvements only.
 Engineering Division Acceptance Block

DESIGN BY: MS
 DRAWN BY: MS
 CHECKED BY: CB
 APPROVED BY: CB

1 2ND SUBMITTAL
 09/20/2024 MS CB
 DATE DRWN/CHKD/APPR

BADGER GULCH PARK CIVIL IMPROVEMENTS PLAN

INTERIM GESC PLAN 2

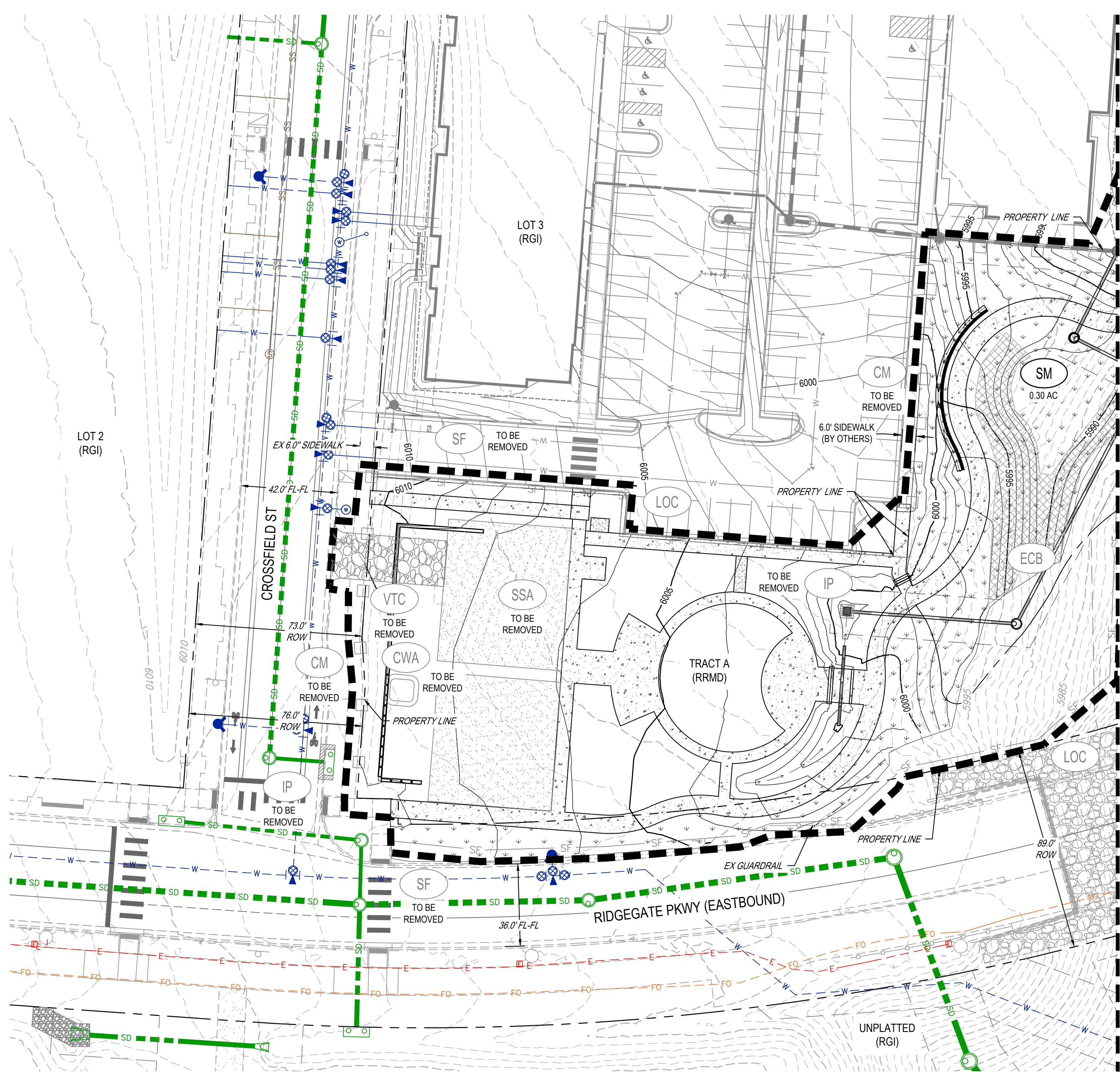
JOB NO.: 100610
 DATE: 09/20/2024
 SHEET: 6 OF 25

ISSUED FOR REVIEW
 FOR AND ON BEHALF OF MERRICK & COMPANY

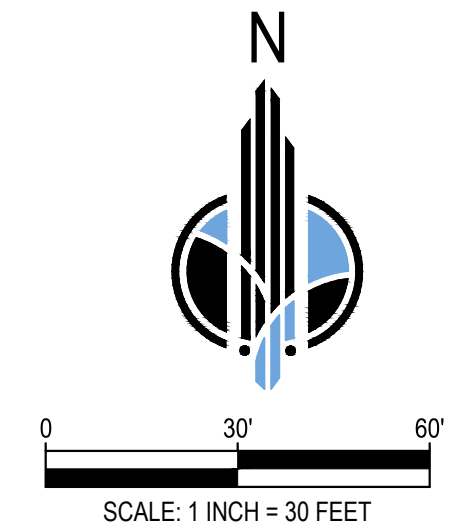
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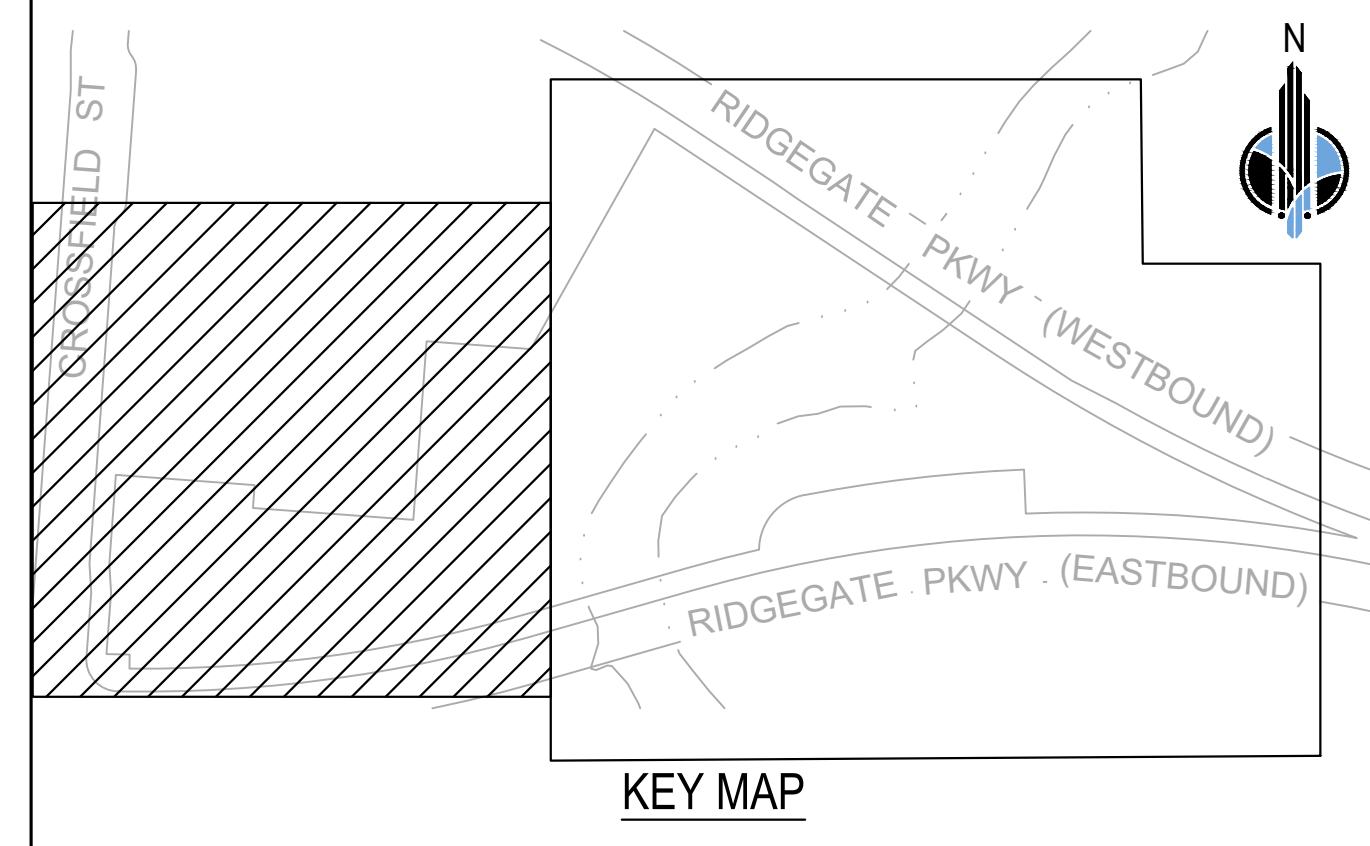
MATCHLINE ON SHEET 8



City of Lone Tree

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Engineering Division Acceptance Block



FINAL GESC NOTES

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BMP LEGEND

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303-751-0741
www.merrick.com

DESIGN BY: MS
DRAWN BY: MS
CHECKED BY: CB
APPROVED BY: CB

REV	REVISION DESCRIPTION	DATE	DRWN	CHKD	APPR
1	2ND SUBMITTAL	09/20/2024	MS	CB	CB

BADGER GULCH PARK CIVIL IMPROVEMENTS PLAN

FINAL GESC PLAN 1

JOB NO.: 100610

DATE: 09/20/2024

SHEET: 7 OF 25

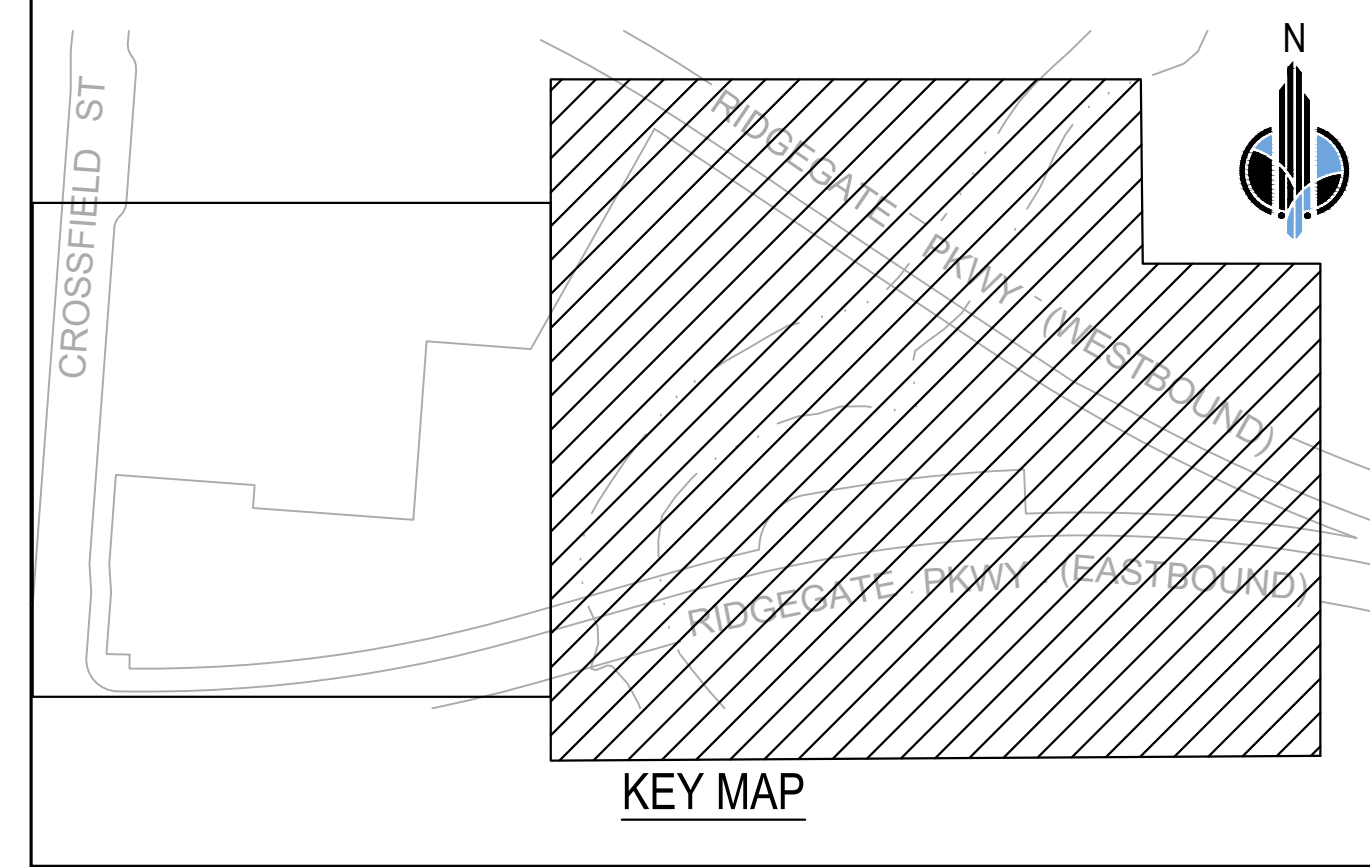
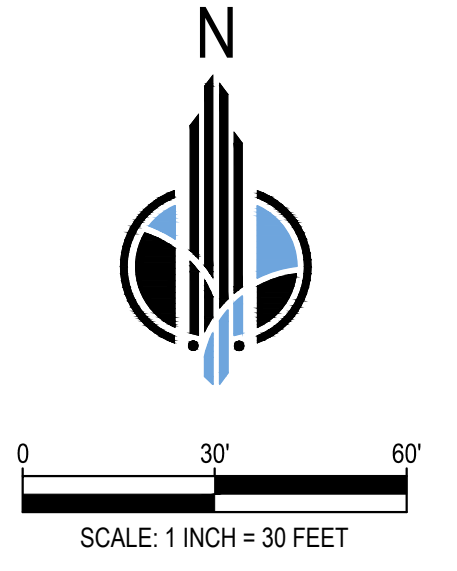
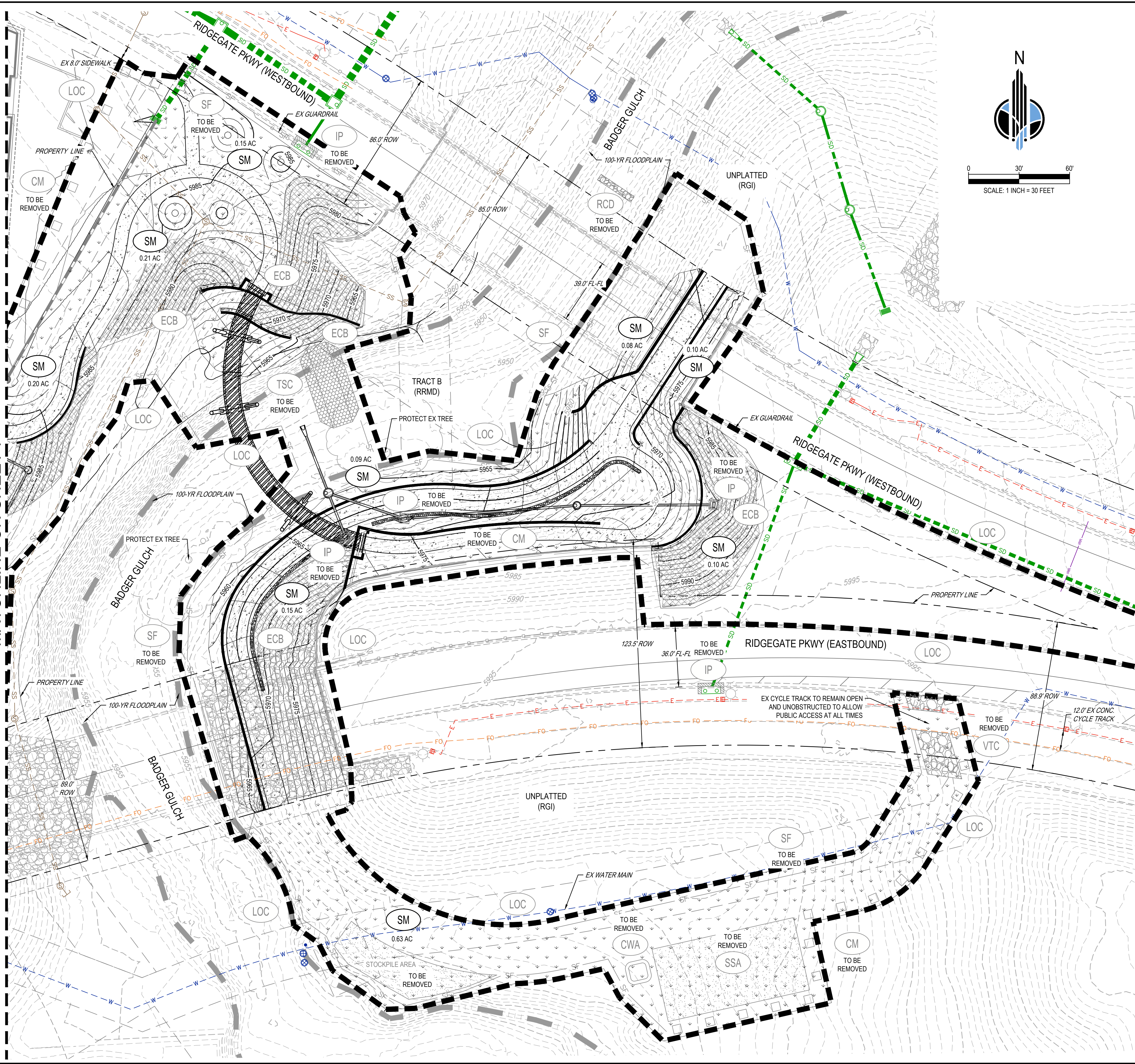
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MATCHLINE ON SHEET 7



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 Engineering Division Acceptance Block

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JOB NO.: 100610
 DATE: 09/20/2024
 SHEET: 8 OF 25

DESIGN BY:	MS								
DRAWN BY:	MS								
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DATE	09/20/2024	MS	CB	CB					
REV	1	2ND SUBMITTAL							DRWNCHKD/APPR

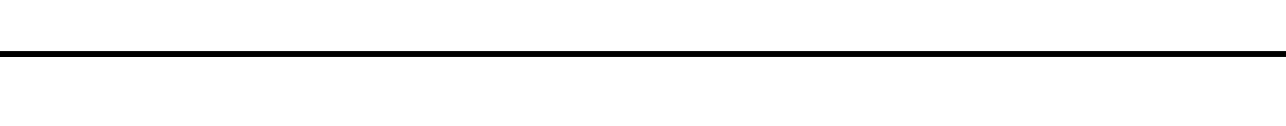
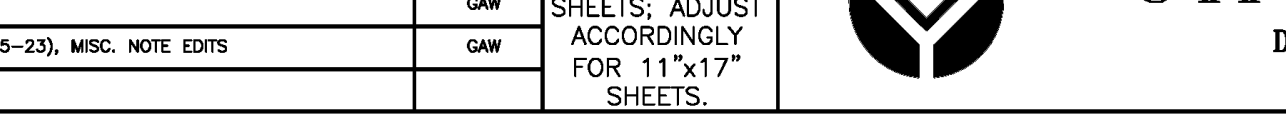
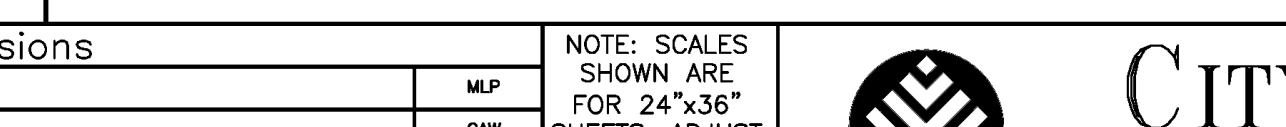
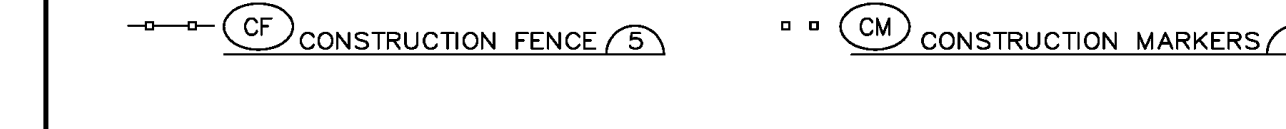
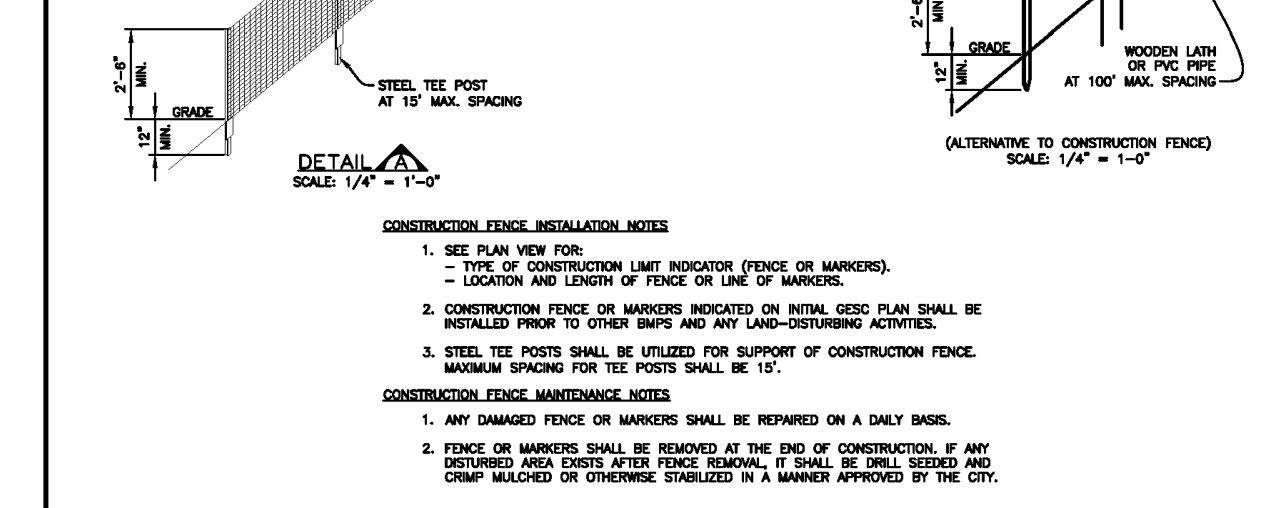
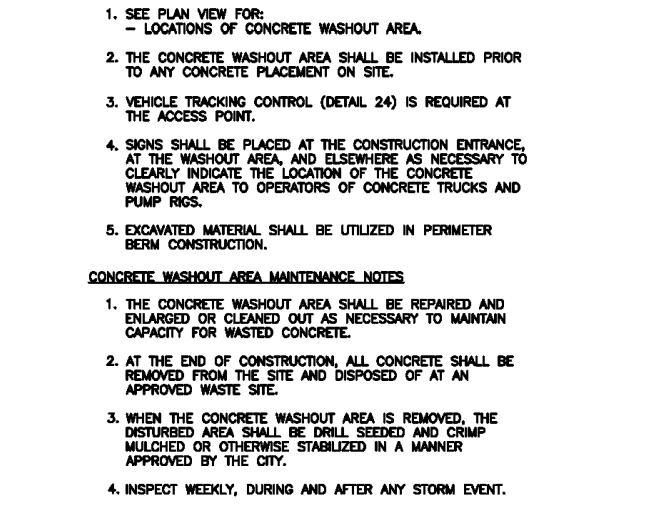
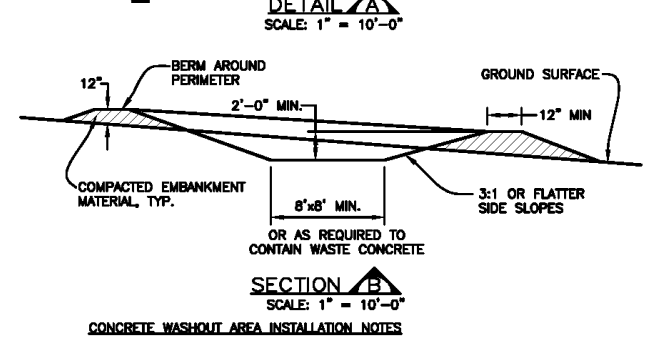
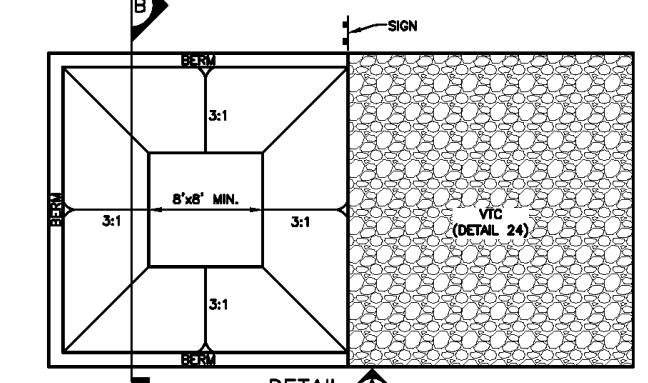
BADGER GULCH PARK CIVIL IMPROVEMENTS PLAN

FINAL GESC PLAN 2

FOR AND ON BEHALF OF MERRICK & COMPANY

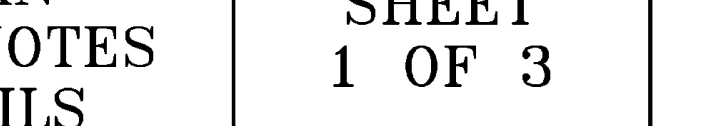
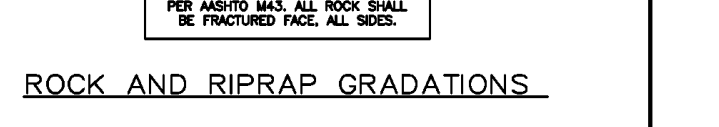
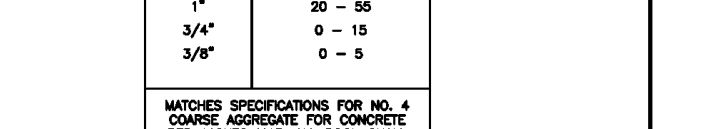
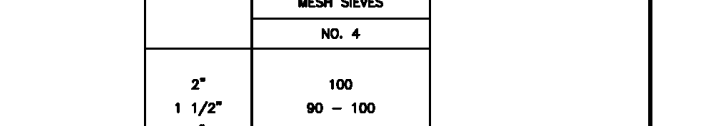
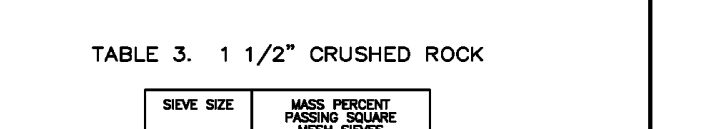
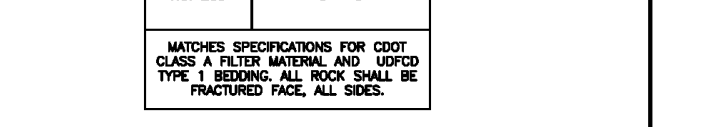
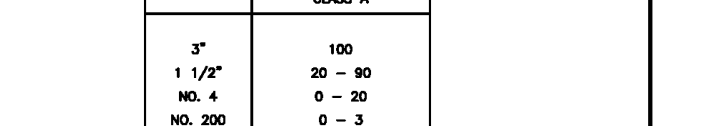
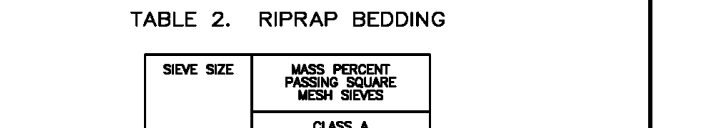
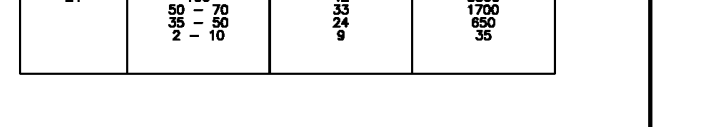
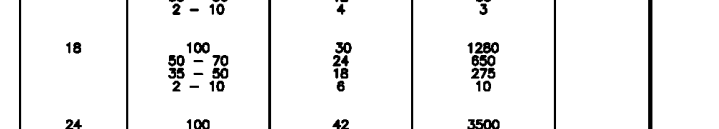
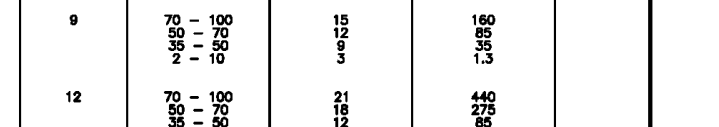
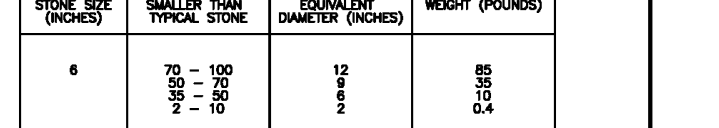
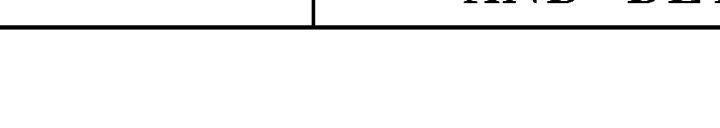
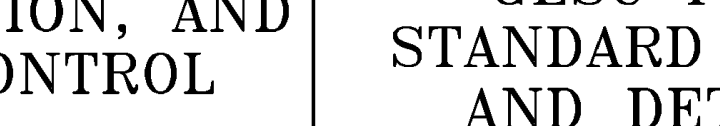
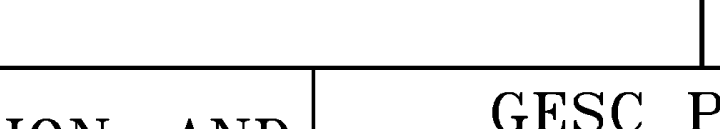
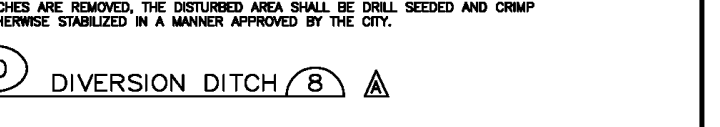
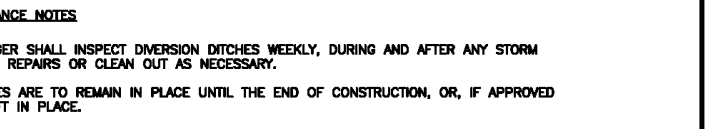
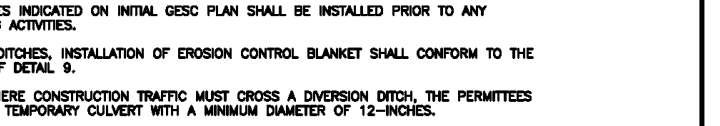
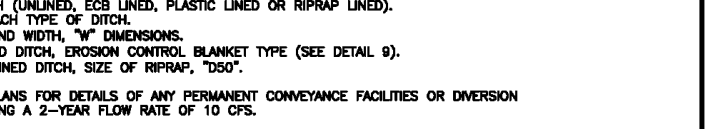
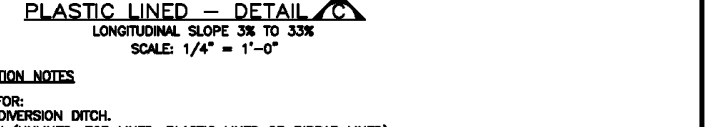
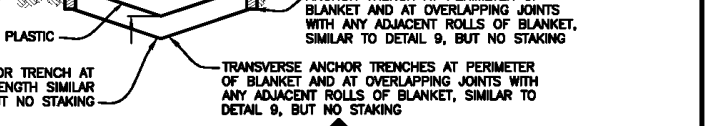
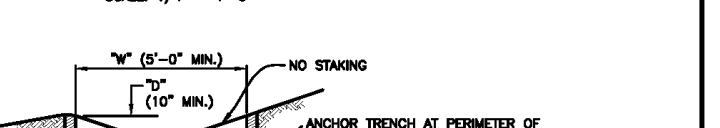
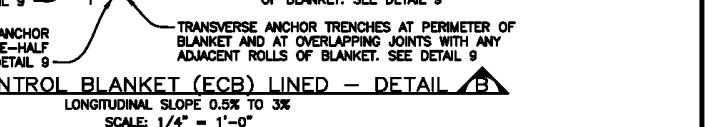
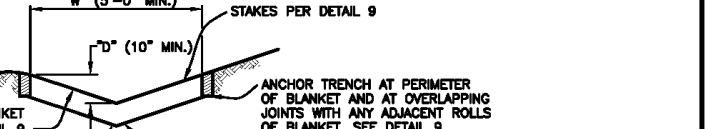
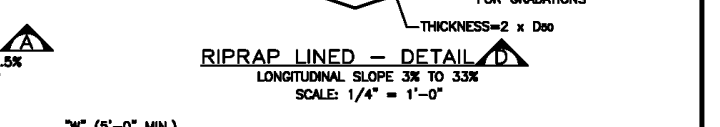
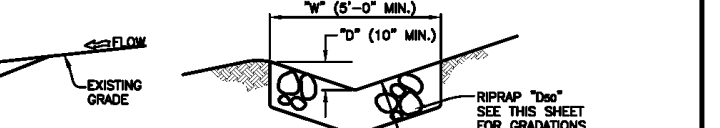
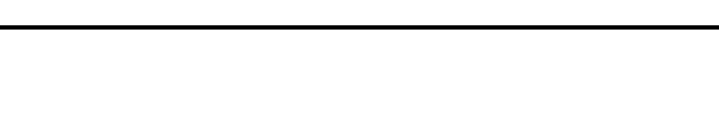
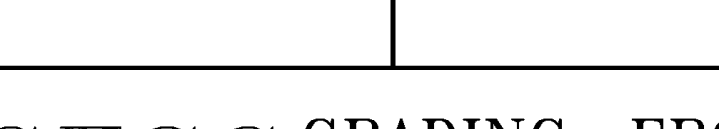
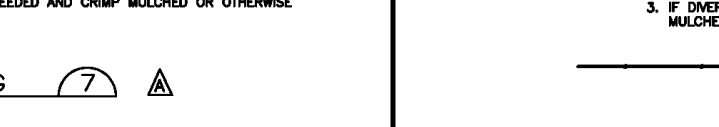
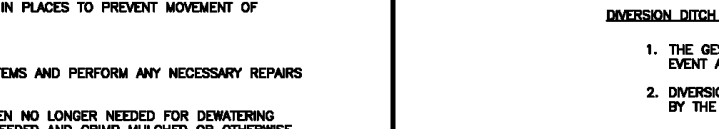
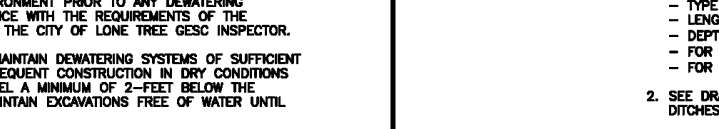
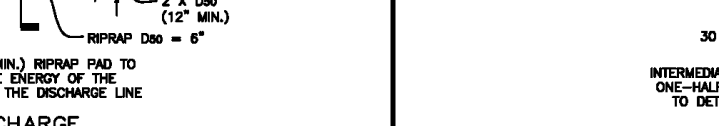
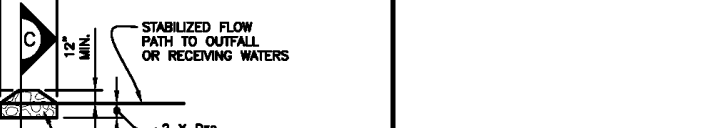
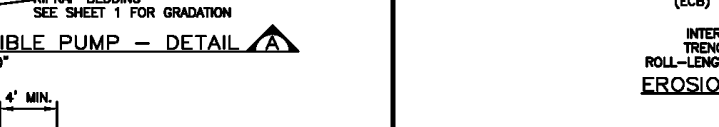
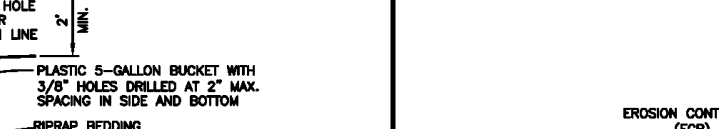
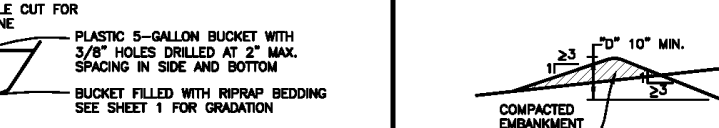
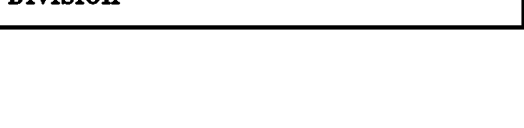
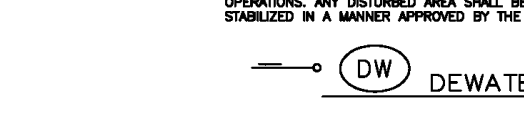
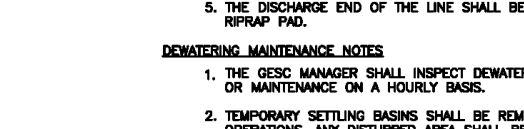
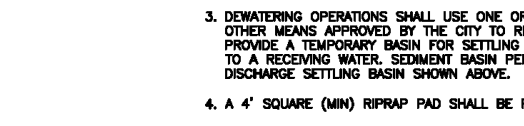
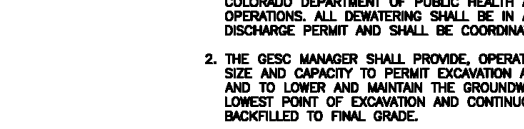
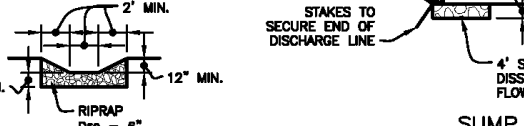
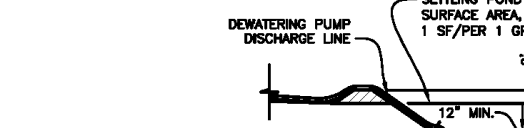
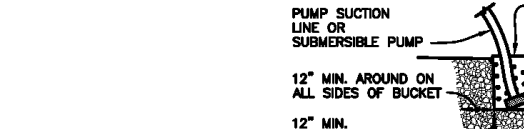
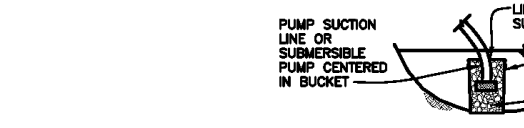
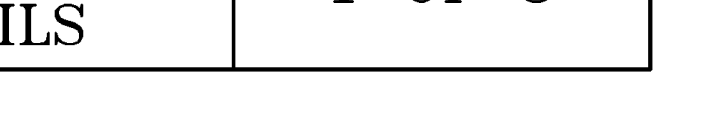
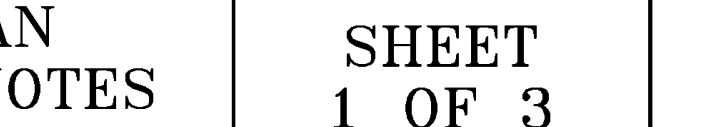
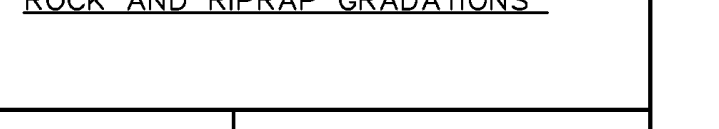
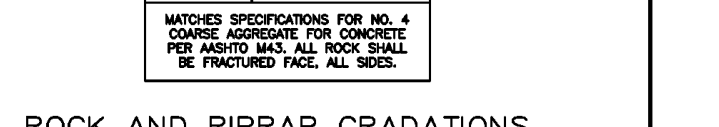
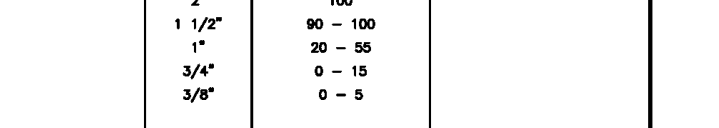
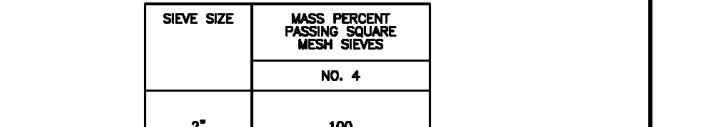
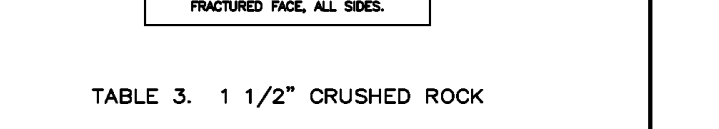
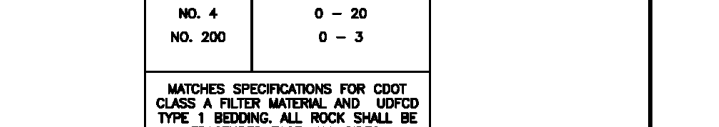
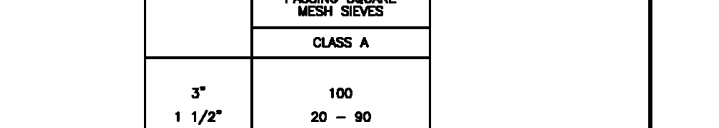
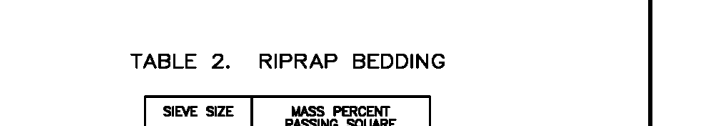
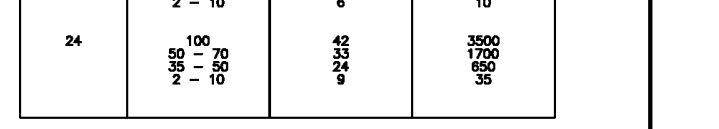
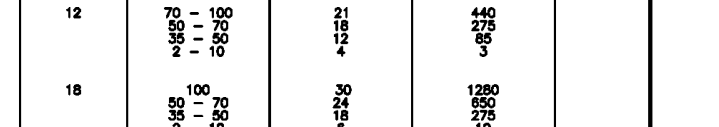
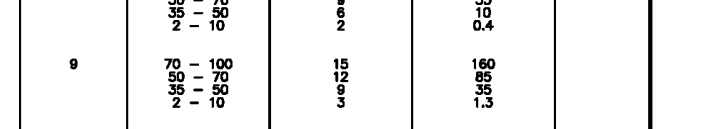
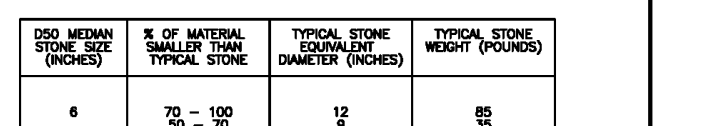
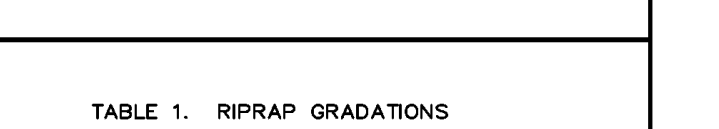
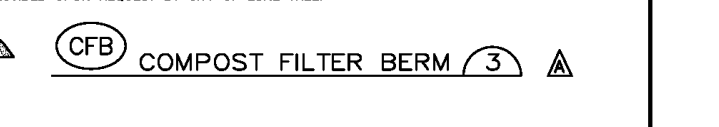
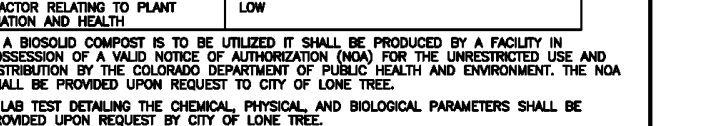
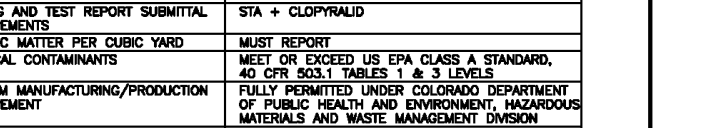
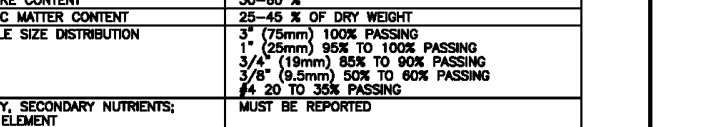
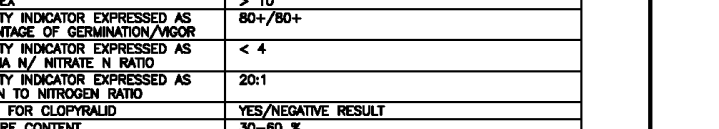
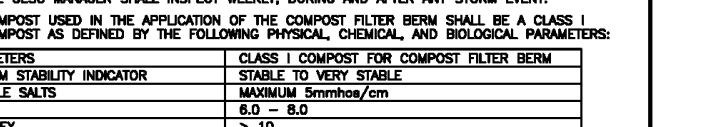
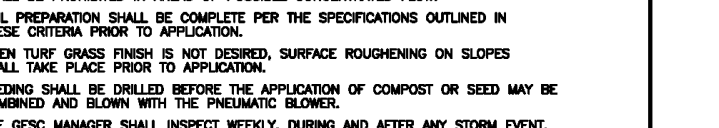
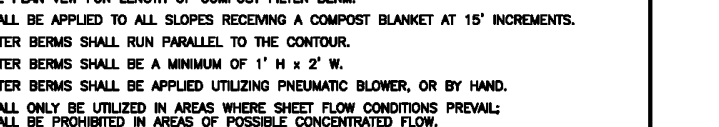
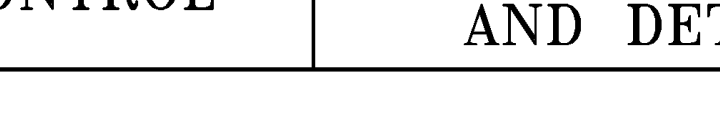
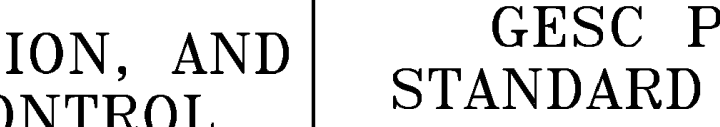
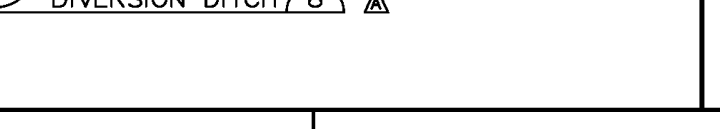
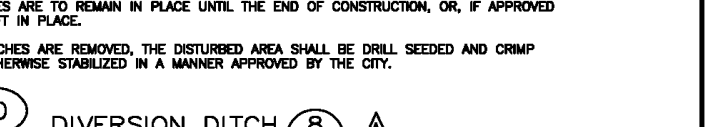
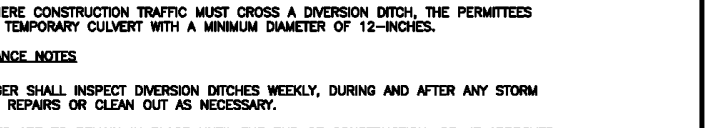
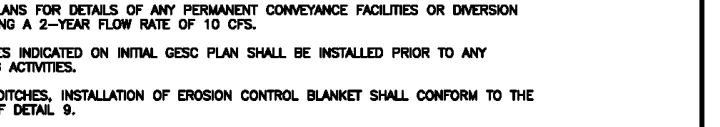
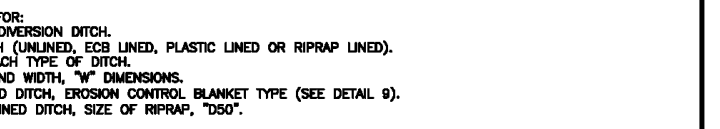
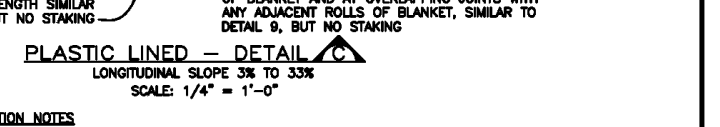
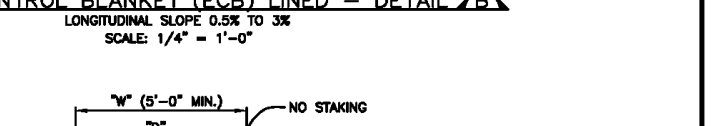
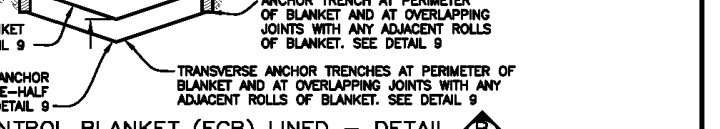
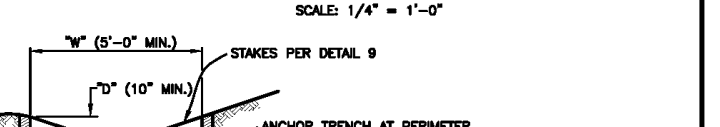
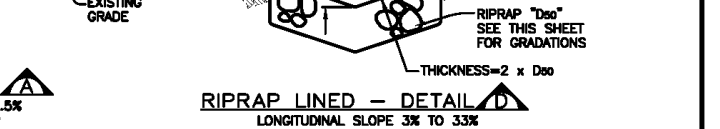
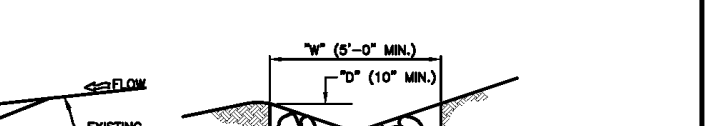
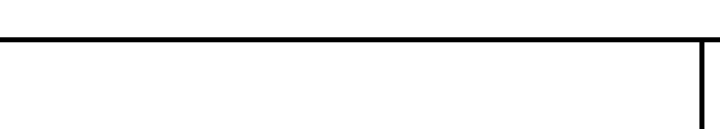
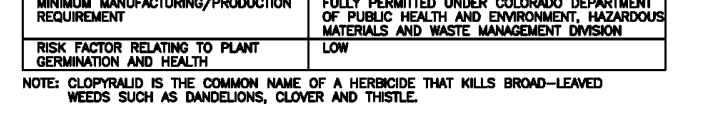
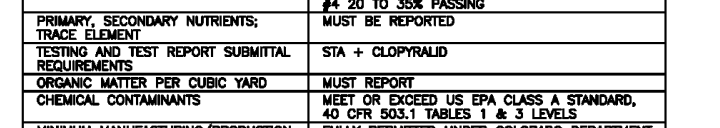
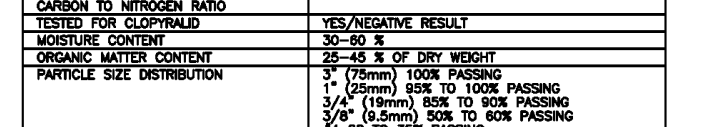
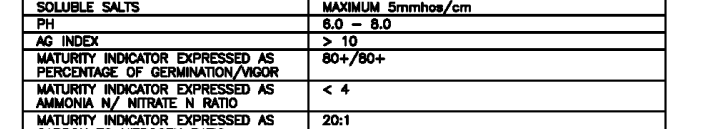
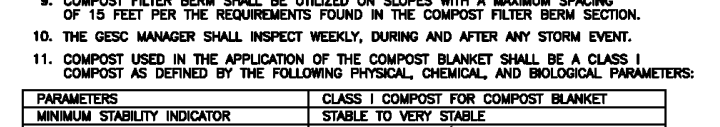
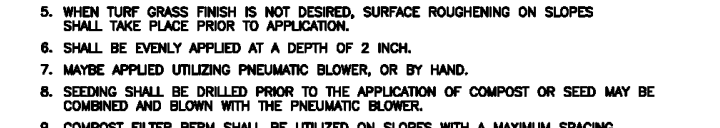
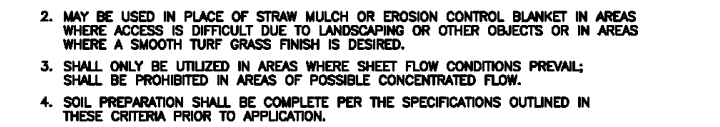
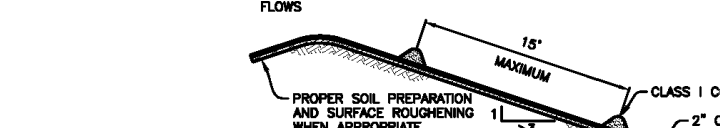
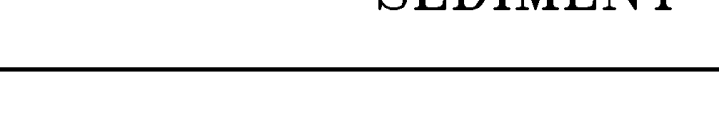
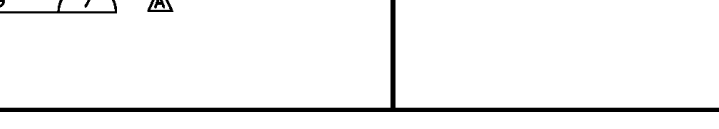
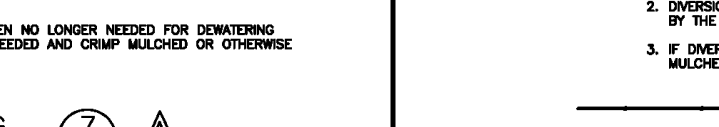
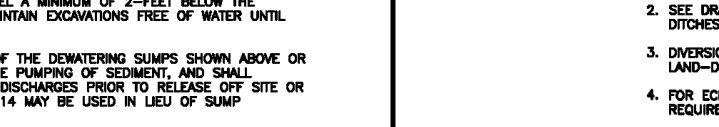
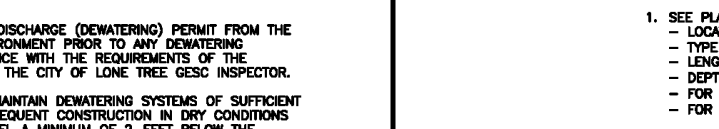
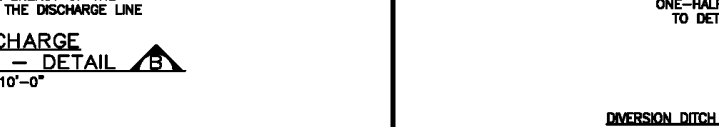
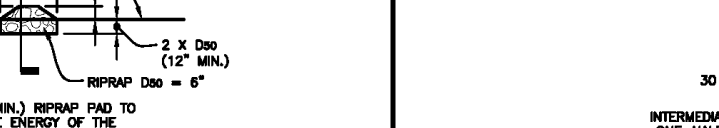
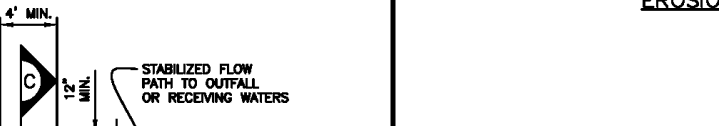
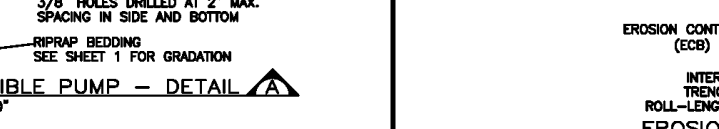
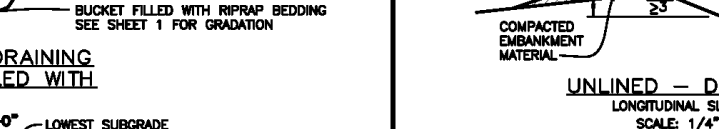
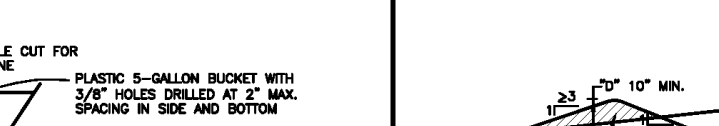
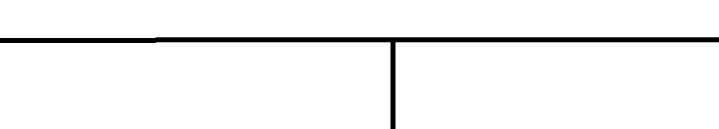
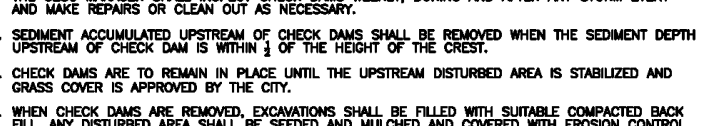
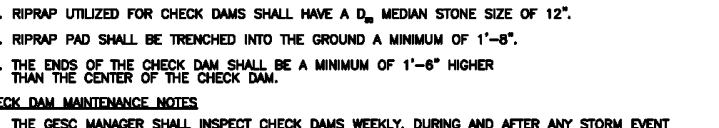
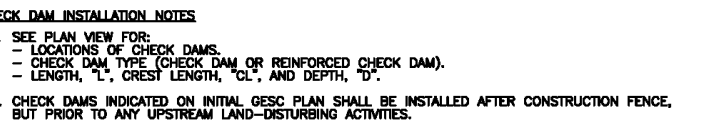
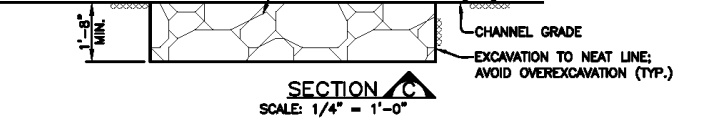
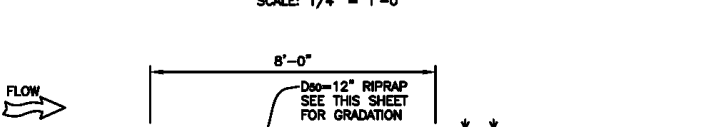
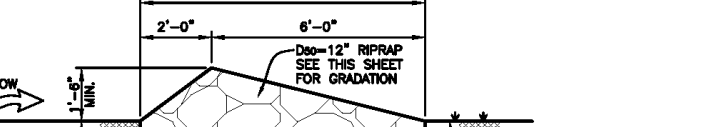
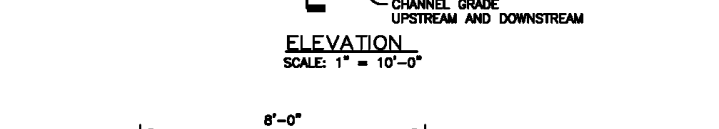
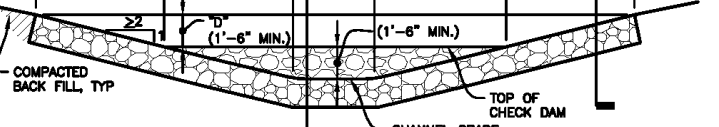
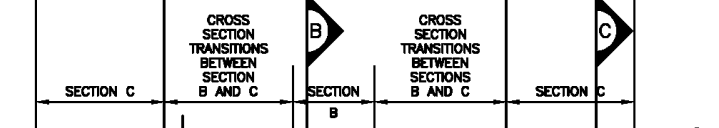
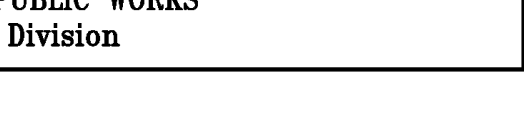
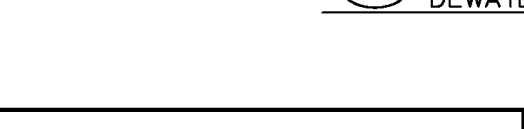
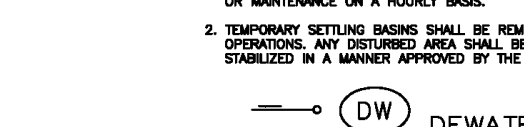
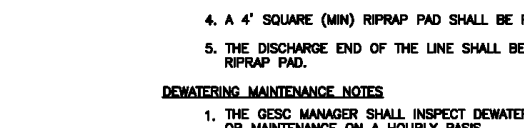
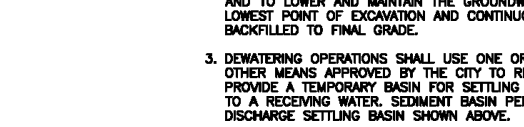
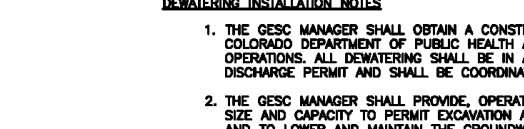
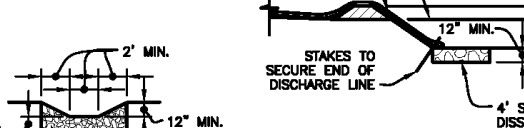
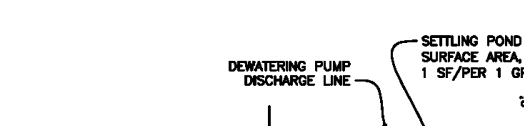
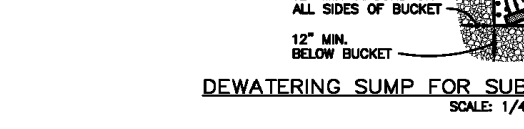
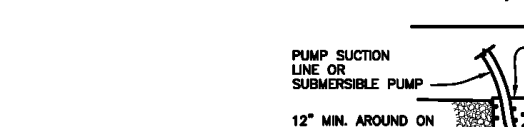
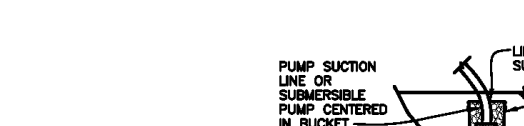
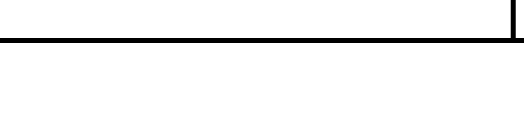
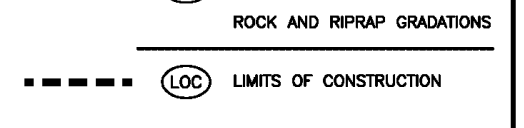
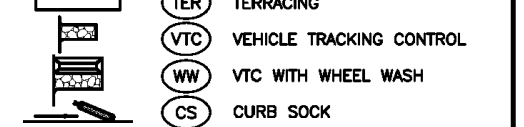
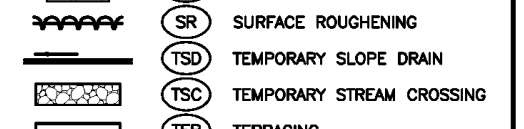
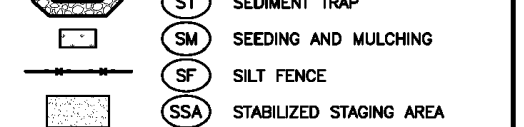
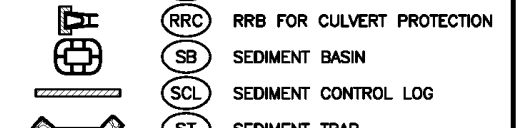
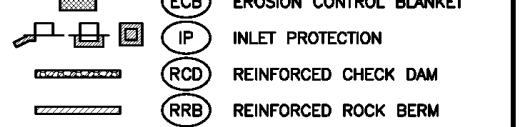
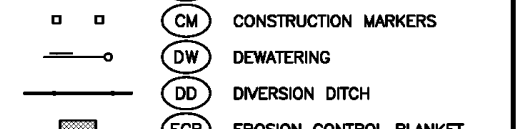
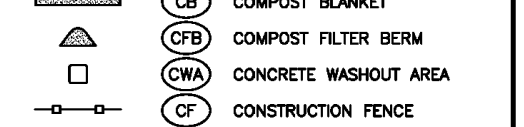
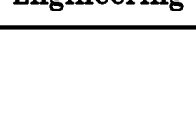
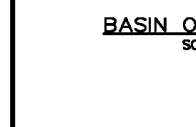
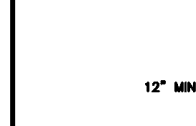
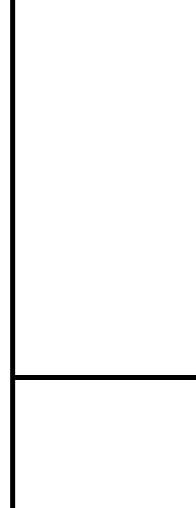
GRADING, EROSION, AND SEDIMENT CONTROL (GESC) GENERAL NOTES

- THE CITY OF LONE TREE ENGINEER'S SIGNATURE AFFIXED TO THIS DOCUMENT INDICATES THE CITY OF LONE TREE PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION HAS REVIEWED THE DOCUMENT AND FOUND IT IN GENERAL COMPLIANCE WITH THE CITY OF LONE TREE SUBDIVISION REGULATIONS AND/OR THE GRADING, EROSION AND SEDIMENT CONTROL (GESC) CRITERIA MANUAL, THE CITY OF LONE TREE ENGINEER, THROUGH ACCEPTANCE OF THIS DOCUMENT, ASSUMES NO RESPONSIBILITY OTHER THAN AS STATED ABOVE FOR THE COMPLETENESS AND/OR ACCURACY OF THESE DOCUMENTS.
- THE ADOPTION OF THIS GESC PLAN LIES WITH THE ORIGINAL DESIGN ENGINEER.
- THE GESC PLAN SHALL BE CONSIDERED VALID FOR TWO (2) YEARS FROM THE DATE OF ACCEPTANCE BY THE CITY OF LONE TREE. AFTER WHICH THE PLAN SHALL BE VOID AND WILL BE SUBJECT TO RE-REVIEW AND RE-ACCEPTANCE BY THE CITY OF LONE TREE.
- ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION BY THE CITY OF LONE TREE ENGINEERING DIVISION. THE CITY OF LONE TREE RESERVES THE RIGHT TO ACCEPT OR REJECT ANY SUCH MATERIALS AND WORKMANSHIP THAT DOES NOT CONFORM TO THE GESC MANUAL, GESC PLAN OR GESC PERMIT.
- THE PLACEMENT OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs) SHALL BE IN ACCORDANCE WITH THE CITY OF LONE TREE - ACCEPTED GESC PLAN AND THE CITY OF LONE TREE GESC MANUAL.
- AFTER THE GESC PLAN HAS BEEN ACCEPTED, THE GESC PERMIT APPLIED FOR, FEES AND FINANCIAL SECURITY SUBMITTED TO THE CITY AND THE GESC FIELD MANUAL OBTAINED AND REVIEWED, THE CONTRACTOR MAY INSTALL THE INITIAL-STAGE EROSION AND SEDIMENT CONTROL BMPs INDICATED ON THE ACCEPTED GESC PLAN.
- THE FIRST BMP TO BE INSTALLED ON THE SITE SHALL BE CONSTRUCTION FENCE, MARKERS, OR OTHER APPROVED MEANS OF DEFINING THE LIMITS OF CONSTRUCTION, INCLUDING CONSTRUCTION LIMITS ADJACENT TO STREAM CORRIDORS AND OTHER AREAS TO BE PRESERVED.
- AFTER INSTALLATION OF THE INITIAL-STAGE EROSION AND SEDIMENT CONTROL BMPs, THE PERMITTEE SHALL CALL THE CITY OF LONE TREE CONSTRUCTION INSPECTOR AT (303) 662-8112 TO SCHEDULE A PRECONSTRUCTION MEETING AT THE PROJECT SITE. THE REQUEST SHALL BE MADE A MINIMUM OF THREE BUSINESS DAYS PRIOR TO THE REQUESTED MEETING TIME. NO CONSTRUCTION ACTIVITIES SHALL BE PLANNED WITHIN 24 HOURS AFTER THE PRECONSTRUCTION MEETING.
- THE OWNER OR OWNER'S REPRESENTATIVE, THE GESC MANAGER, THE GENERAL CONTRACTOR, AND THE GRADING SUBCONTRACTOR, IF DIFFERENT FROM THE GENERAL CONTRACTOR, MUST ATTEND THE PRECONSTRUCTION MEETING. IF ANY OF THE REQUIRED PARTICIPANTS FAIL TO ATTEND THE PRECONSTRUCTION MEETING, OR IF THE GESC FIELD MANUAL IS NOT ON SITE, OR IF THE INSTALLATION OF THE INITIAL BMPs ARE NOT APPROVED BY THE CITY OF LONE TREE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DELAYS TO THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DELAYS TO THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DELAYS TO THE PROJECT.
- CONSTRUCTION SHALL NOT BEGIN UNTIL THE CITY OF LONE TREE GESC INSPECTOR APPROVES THE INSTALLATION OF THE INITIAL BMPs AND THE APPROVED GESC PERMIT IS PICKED UP FROM THE CITY AND IS IN HAND ON THE SITE. THE COMPLETED PERMIT WILL BE AVAILABLE WITHIN 24-HOURS AFTER THE INSTALLATION OF THE INITIAL BMPs ARE APPROVED.
- THE GESC MANAGER SHALL STRICTLY ADHERE TO THE CITY OF LONE TREE-APPROVED LIMITS OF CONSTRUCTION AT ALL TIMES. THE CITY OF LONE TREE ENGINEERING DIVISION MUST APPROVE ANY CHANGES TO THE LIMITS OF CONSTRUCTION AND, AT THE DISCRETION OF THE ENGINEERING DIVISION, ADDITIONAL EROSION/SEDIMENT CONTROLS MAY BE REQUIRED IN ANY ADDITIONAL AREAS OF CONSTRUCTION.
- THE MAXIMUM AREA OF CONSTRUCTION SHALL BE LIMITED TO 40 ACRES (70 ACRES IF APPLICABLE FOR SOIL MITIGATION OPERATIONS) TO REDUCE THE AMOUNT OF LAND DISTURBED AT ANY ONE TIME. LARGER SITES SHALL BE DIVIDED INTO PHASES OF 40 (OR 70) ACRES OR LESS IN SIZE. THESE PROJECTS SHALL CONDUCT GRADING ACTIVITIES IN ACCORDANCE WITH THE ACCEPTED GESC PLAN, BMP INSTALLATION AND APPROVAL BY THE CITY OF LONE TREE AT THE START AND COMPLETION OF EACH PHASE SHALL BE CONDUCTED IN ACCORDANCE WITH THE PROCEDURES OUTLINED IN THE GESC MANUAL AND/OR GESC FIELD MANUAL.
- PRIOR TO ACTUAL CONSTRUCTION, THE PERMITTEE SHALL VERIFY THE LOCATION OF EXISTING UTILITIES. FOR INFORMATION, CONTACT THE UTILITY GROUP AT 1-800-922-1987 OR FAX AT (303) 534-0700.
- ALL VEGETATION SHALL BE MAINTAINED AND PROTECTED. UNNECESSARY EXPOSURE OF SOIL TO EROSION BY REMOVAL OR DISTURBANCE OF VEGETATION SHALL BE LIMITED TO THE AREA REQUIRED FOR IMMEDIATE CONSTRUCTION OPERATIONS.
- THE GESC PERMIT SHALL BE VALID FOR A PERIOD OF ONE (1) YEAR, UNLESS EXTENDED.
- IF THE GESC PERMIT, ACCEPTED GESC PLANS AND THE GESC FIELD MANUAL SHALL BE ON SITE AT ALL TIMES.
- THE GESC MANAGER SHALL BE RESPONSIBLE FOR ENSURING THAT THE SITE REMAINS IN COMPLIANCE WITH THE GESC PERMIT AND SHALL BE THE PERMITTEE'S CONTACT PERSON WITH THE CITY FOR ALL MATTERS PERTAINING TO THE GESC PERMIT. THE GESC MANAGER SHALL BE PRESENT AT THE SITE AT THE START AND COMPLETION OF CONSTRUCTION, AND A 24-HOUR CONTACT NUMBER, IN THE EVENT THAT THE CONTRACTOR'S GESC MANAGER IS NOT ON SITE, AND CONTACT BEING REQUIRED DURING A VIOLATION, THE ALTERNATE GESC MANAGER SHALL BE CONTACTED. IF NEITHER THE GESC MANAGER NOR ALTERNATE GESC MANAGER CAN BE CONTACTED DURING ANY VIOLATION, A STOP WORK ORDER SHALL BE ISSUED.
- ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE THROUGH THE CITY OF LONE TREE-APPROVED ACCESS POINT. A VEHICLE TRACKING CONTROL IS REQUIRED AT ALL ACCESS POINTS ON THE SITE. ADDITIONAL STABILIZED CONSTRUCTION ENTRANCES MAY BE ADDED WITH AUTHORIZATION FROM THE CITY OF LONE TREE ENGINEERING DIVISION.
- THE GESC MANAGER IS RESPONSIBLE FOR CLEANUP OF SEDIMENT OR CONSTRUCTION DEBRIS TRACKED ONTO ADJACENT PAVED AREAS. PAVED AREAS INCLUDING STREETS ARE TO BE KEPT CLEAN THROUGHOUT BUILD-OUT AND SHALL BE CLEANED, WITH A STREET SWEEPER OR SIMILAR DEVICE, AT FIRST NOTICE OF ACCIDENTAL TRACKING OR AT THE DISCRETION OF THE CITY OF LONE TREE GESC INSPECTOR. STREET WASHING IS NOT ALLOWED. THE CITY OF LONE TREE RESERVES THE RIGHT TO REQUIRE ADDITIONAL MEASURES TO ENSURE AREAS ARE KEPT FREE OF SEDIMENT AND/OR CONSTRUCTION DEBRIS.



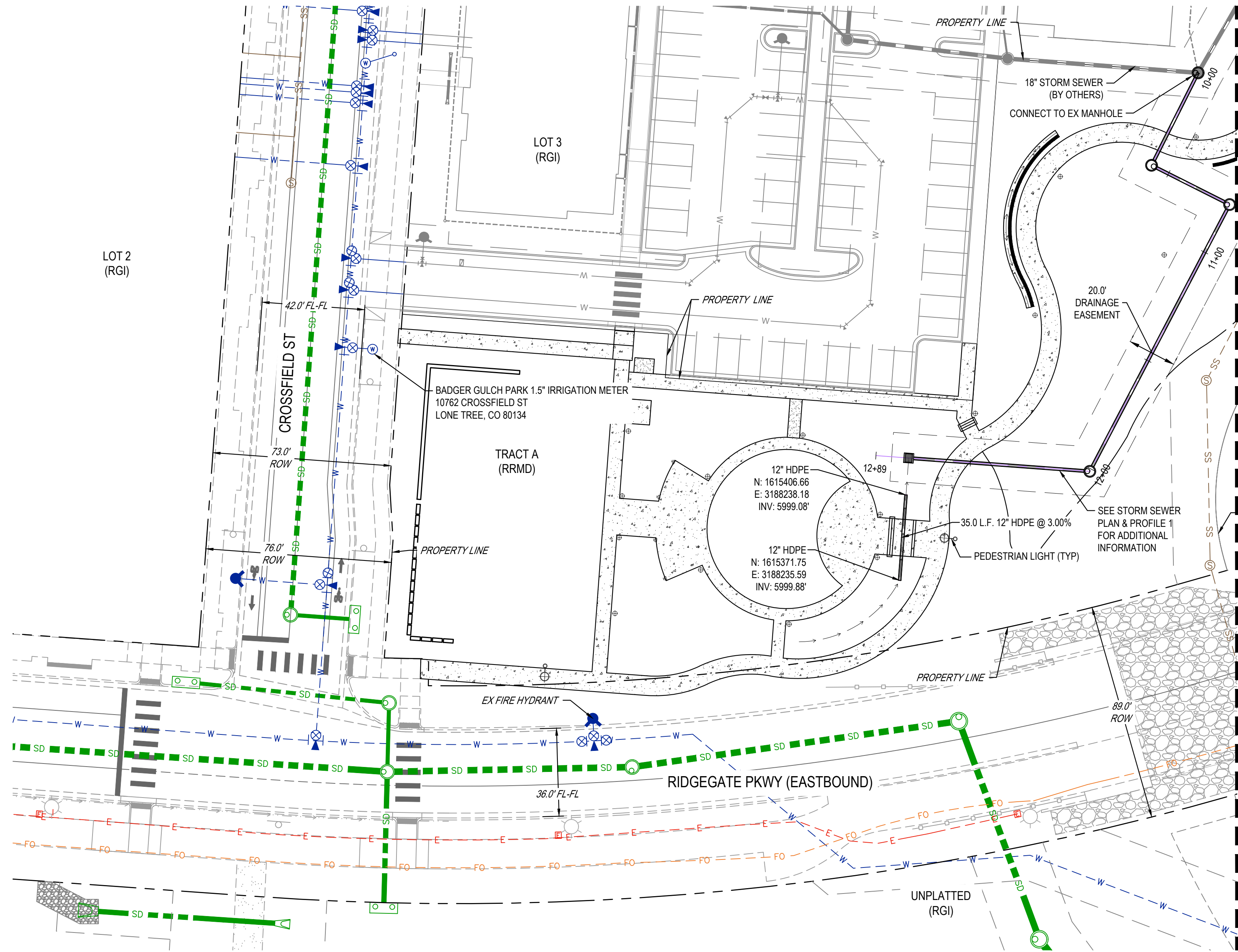
DETAIL SHEET

NO.	NO.	BMP LEGEND
1	1	CD CHECK DAM
2	2	CB COMPOST BLANKET
3	3	CFB COMPOST FILTER BERM
4	4	CWA CONCRETE WASHOUT AREA
5	5	CF CONSTRUCTION FENCE
6	6	CM CONSTRUCTION MARKERS
7	7	DW DEWATERING
8	8	DD DIVERSION DITCH
9	9	ECB EROSION CONTROL BLANKET
10	10	EP INLET PROTECTION
11	11	RCR REINFORCED CHECK DAM
12	12	RRB REINFORCED ROCK BERM
13	13	RRF RIBBON FENCE FOR CURB PROTECTION
14	14	CS SEDIMENT CUSHION
15	15	SL SEDIMENT CONTROL LOG
16	16	ST SEDIMENT TRAP
17	17	SM SEEDING AND MULCHING
18	18	SF SILT FENCE
19	19	SSA STABILIZED STAGING AREA
20	20	SR SURFACE ROUGHENING
21	21	TD TEMPORARY SLOPE DRAIN
22	22	TSC TEMPORARY STREAM CROSSING
23	23	TEH TERRACING
24	24	VTDC VEHICLE TRACKING CONTROL
25	25	WH WASH WITH WHEEL WASH
26	26	CS CURB SOCK
		ROCK AND RIPRAP GRADATIONS
		LIMITS OF CONSTRUCTION

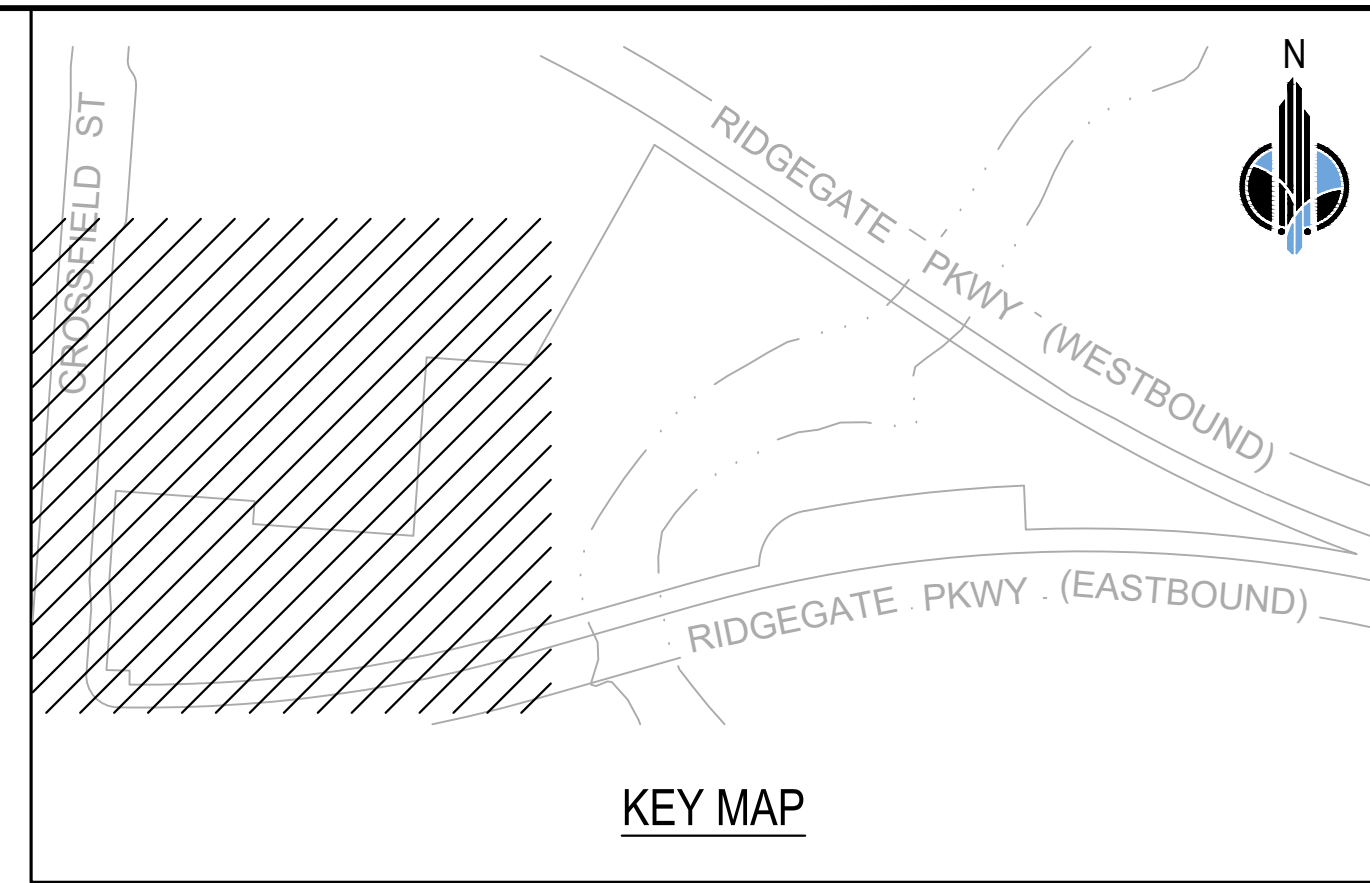


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MATCHLINE ON SHEET 16



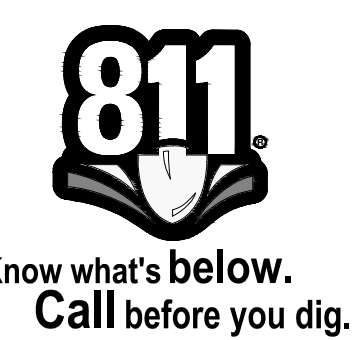
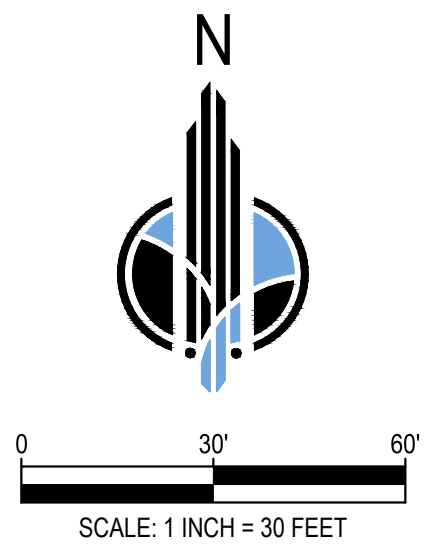
KEY MAP

EXISTING SUBSURFACE UTILITY NOTES

1. THE EXISTING SUBSURFACE UTILITIES DEPICTED IN THESE PLANS ARE IN ACCORDANCE WITH THEIR ACHIEVED QUALITY LEVELS AS DEFINED BY THE AMERICAN SOCIETY OF CIVIL ENGINEERS STANDARD 38-02, "STANDARD GUIDELINE FOR COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA."
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3. THE FOLLOWING UTILITIES WERE NOT INCLUDED AS PART OF THE SUBSURFACE UTILITY ENGINEERING INVESTIGATION: LANDSCAPE IRRIGATION SYSTEMS, UTILITY SERVICES TO RESIDENCES OR BUSINESSES, UNDERGROUND STORAGE TANKS, SEPTIC TANKS, WELLS, AND TRAFFIC DETECTION DEVICES.
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SIGNAGE AND STRIPING NOTES:

1. STRIPING PLAN TO BE COORDINATED WITH, AND APPROVED BY, THE CITY OF LONE TREE AND DOUGLAS COUNTY PRIOR TO PLACEMENT OF PAVEMENT MARKINGS.



City of Lone Tree

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			REV DESCRIPTION

BADGER GULCH PARK CIVIL IMPROVEMENTS PLAN

OVERALL UTILITY PLAN & SIGNAGE AND STRIPING PLAN 1

ISSUED FOR REVIEW

FOR AND ON BEHALF OF MERRICK & COMPANY

JOB NO.: 100610

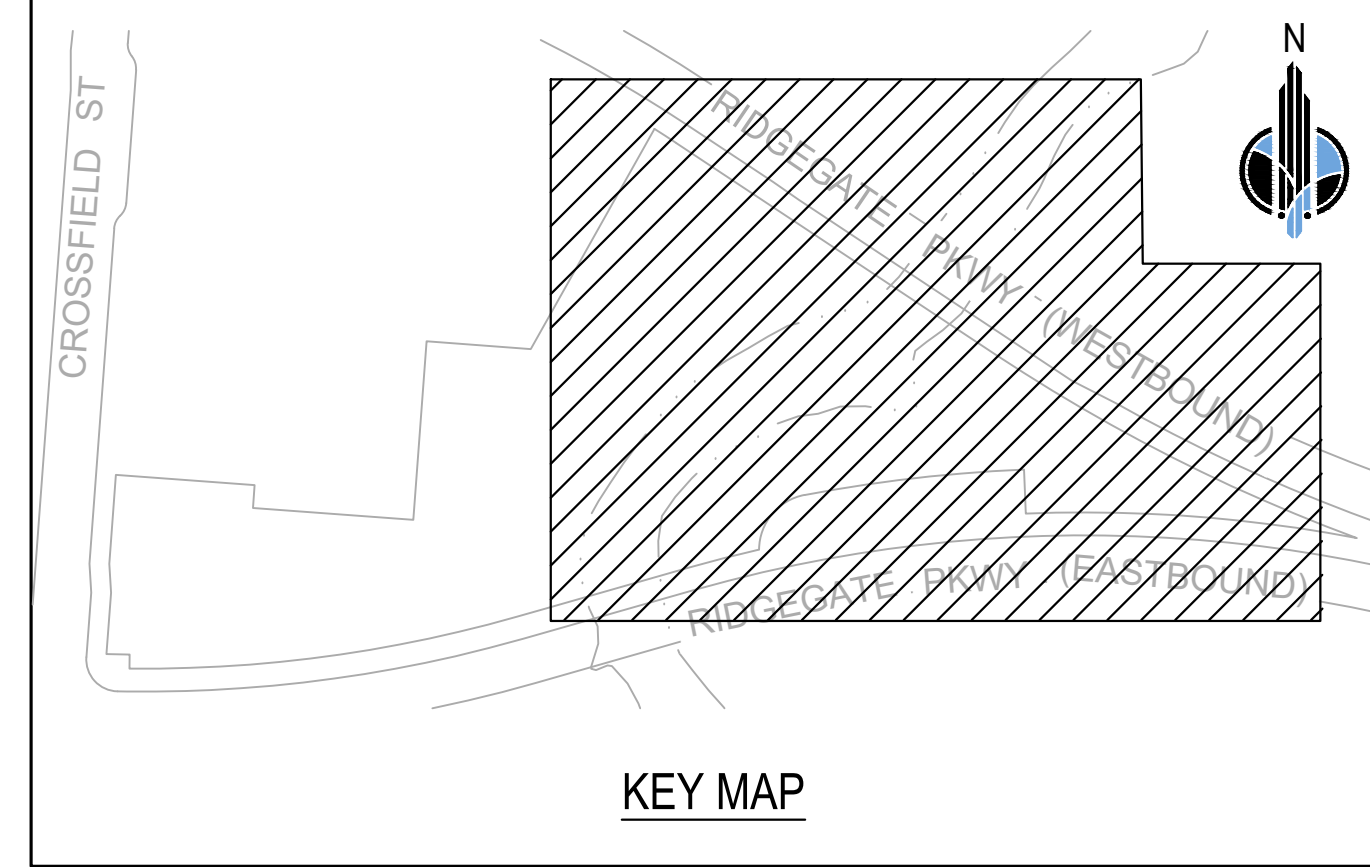
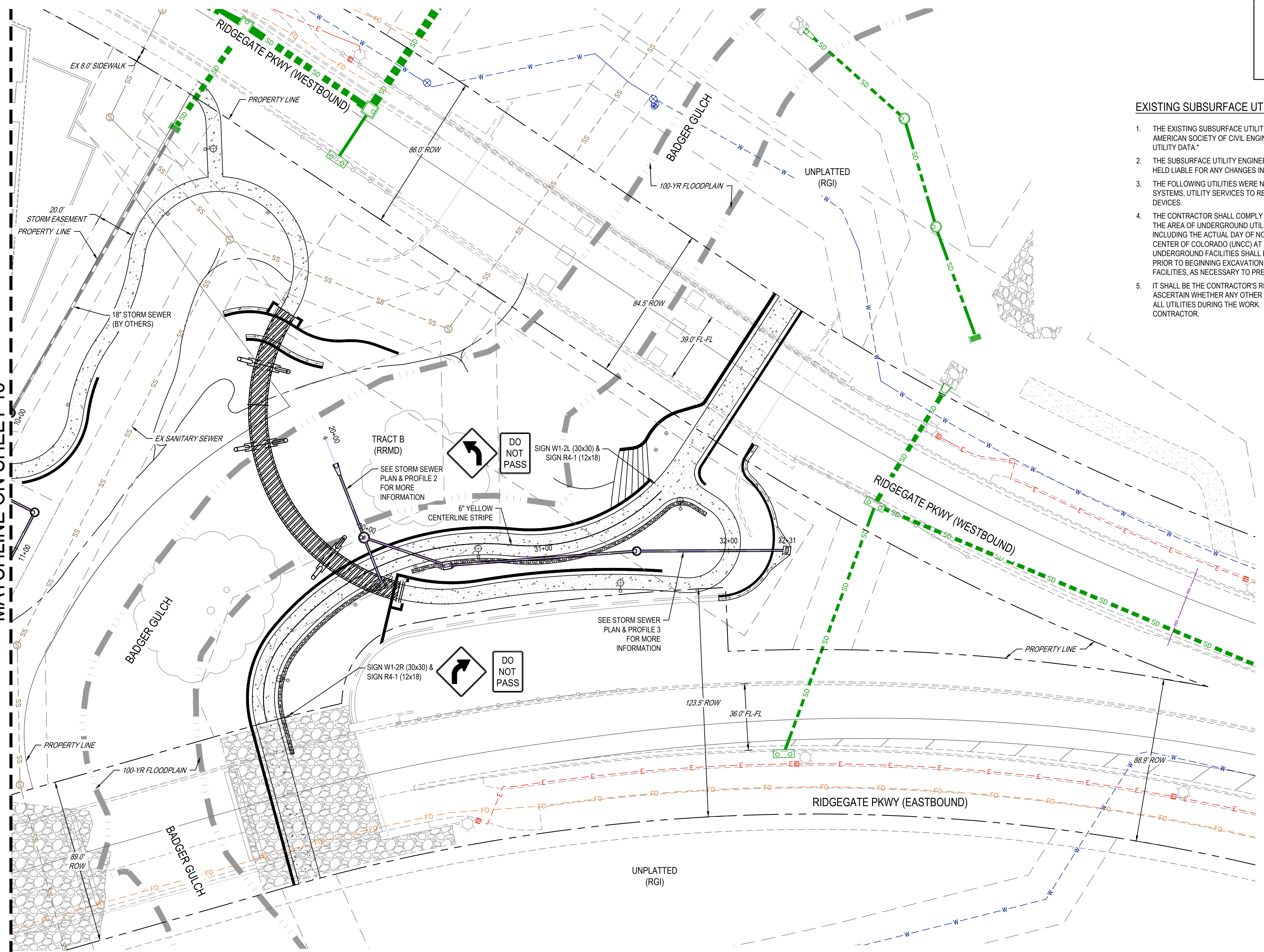
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SHEET: 15 OF 25

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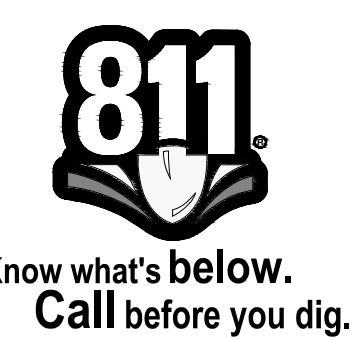
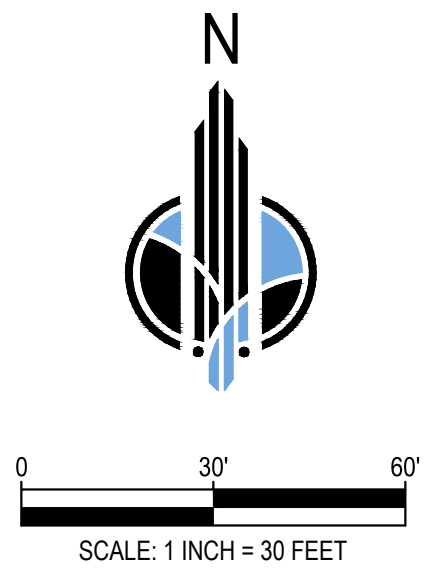


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BADGER GULCH PARK CIVIL IMPROVEMENTS PLAN
 OVERALL UTILITY PLAN & SIGNAGE AND STRIPING PLAN 2

ISSUED FOR REVIEW
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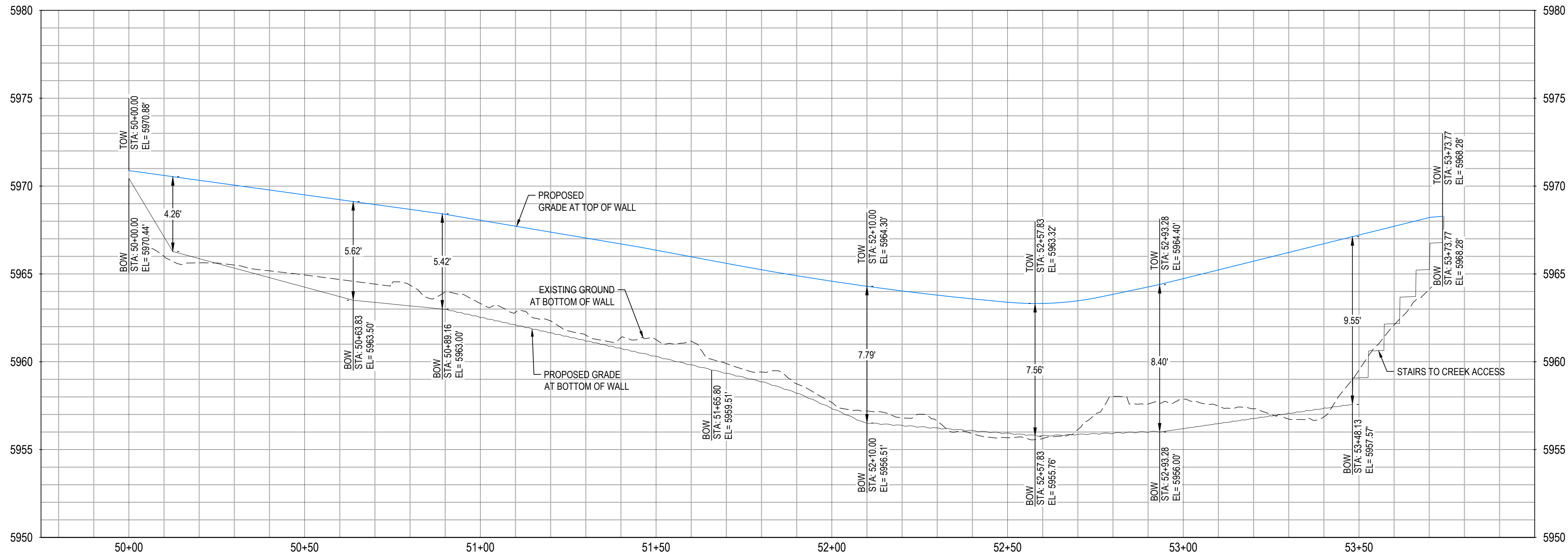
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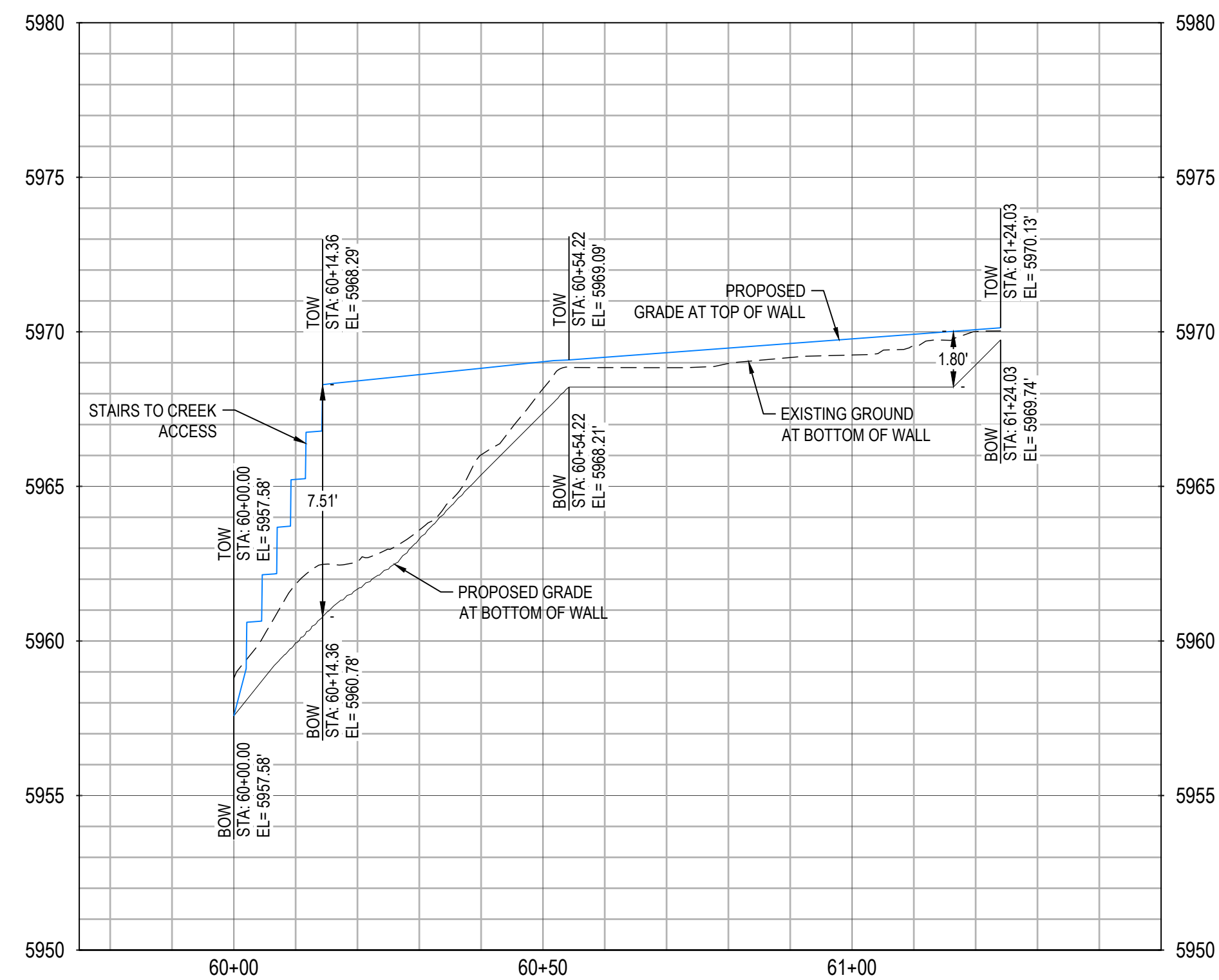
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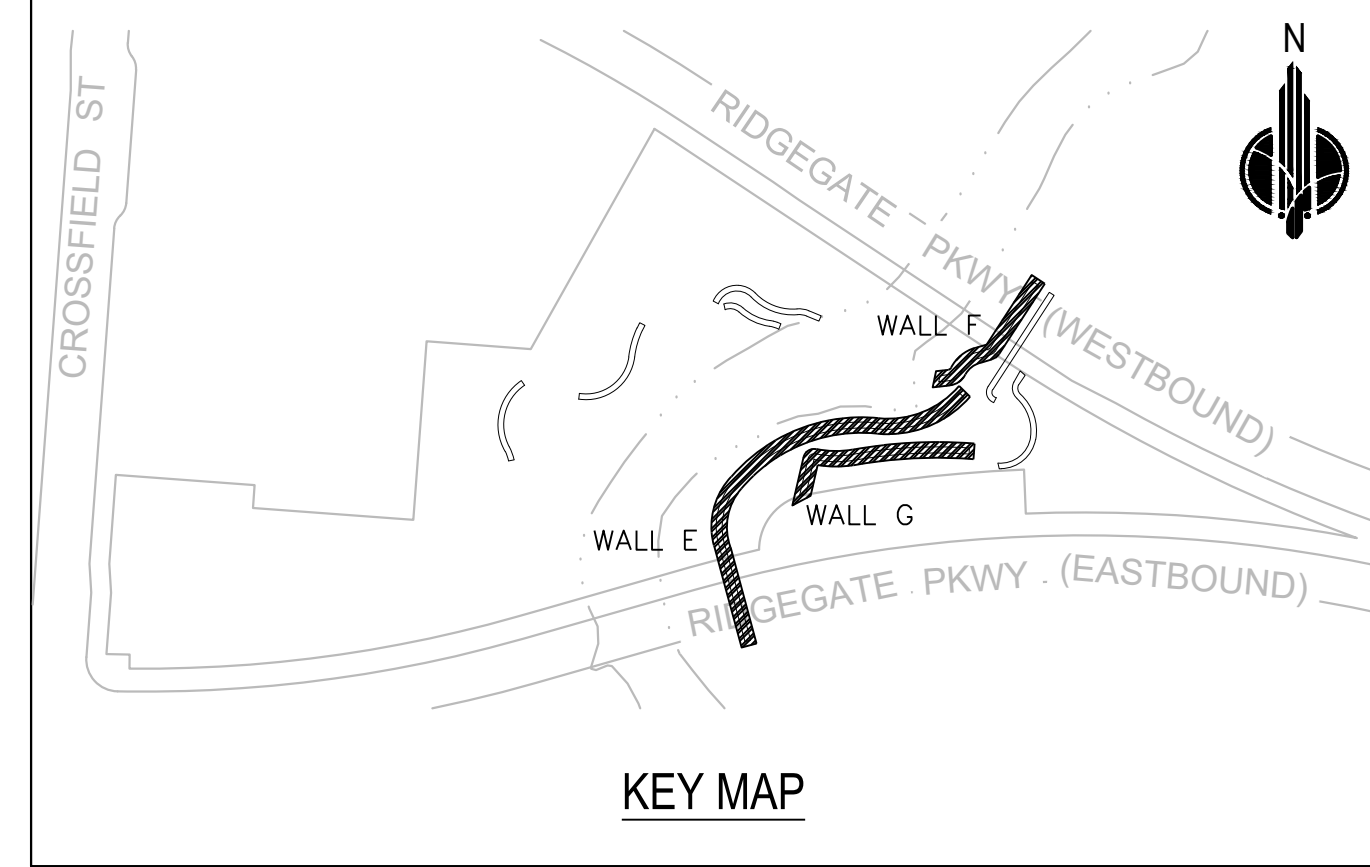
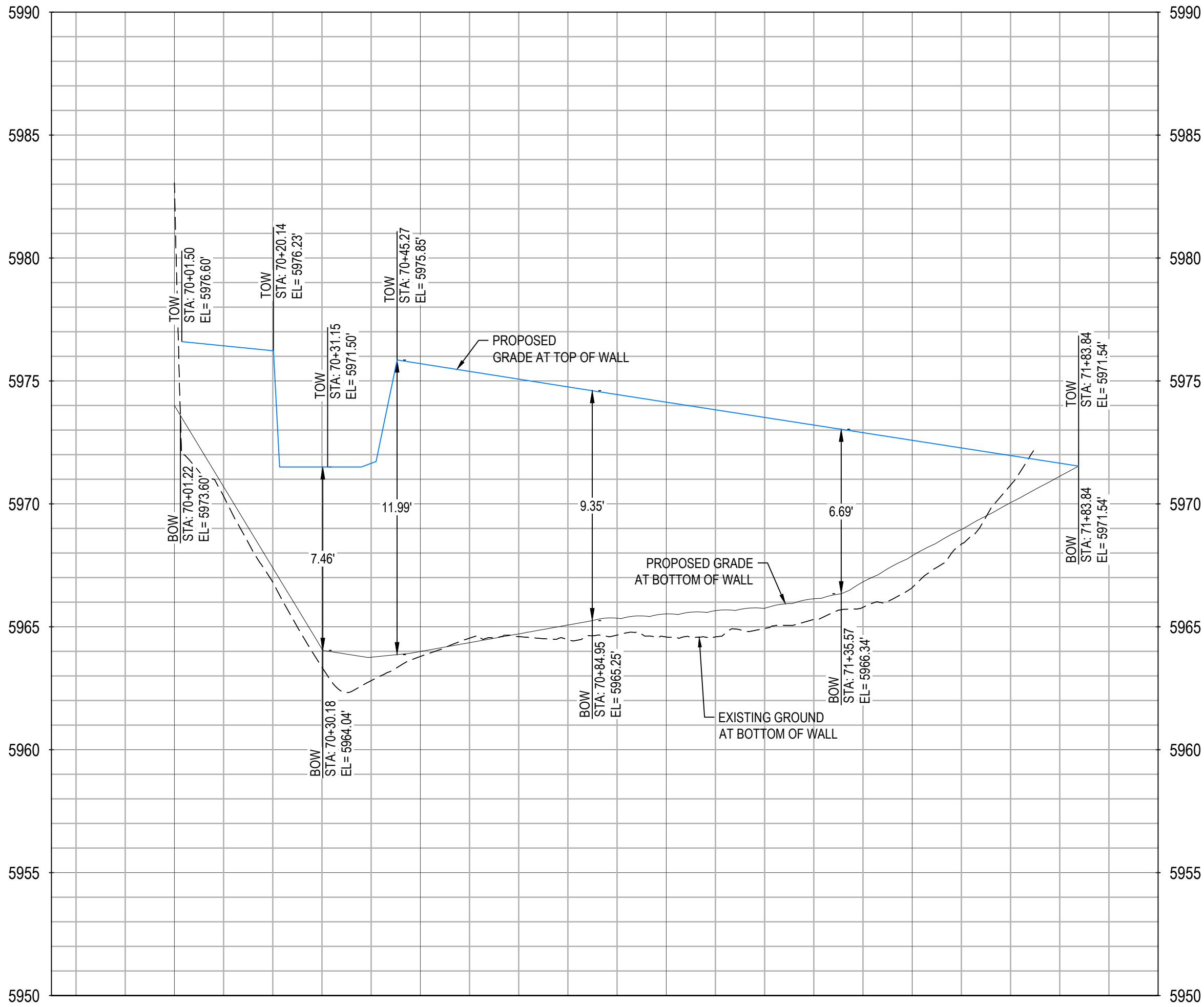
RETAINING WALL E



RETAINING WALL F

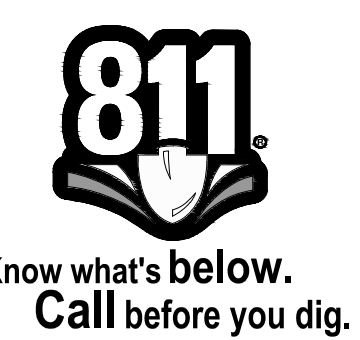
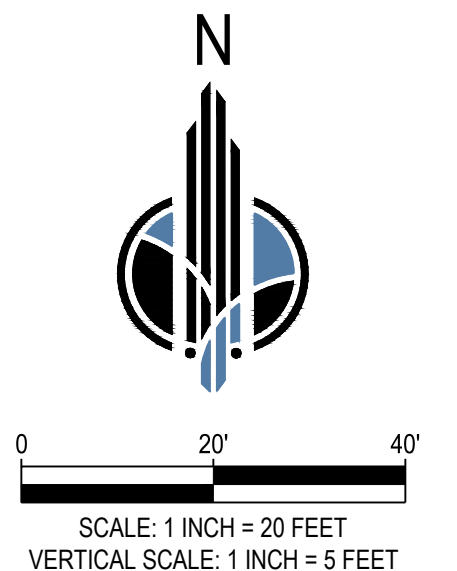


RETAINING WALL G



WALL NOTES

- CONTRACTOR TO PROVIDE GRAVITY RETAINING WALL DESIGN & DRAWINGS (CERTIFIED AND STAMPED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF COLORADO) CONFORMING TO THE LINES AND GRADES SHOWN.
- GRAVITY RETAINING WALL SHALL BE REDI-ROCK OR EQUAL.
- CONTRACTOR TO OBTAIN BUILDING PERMIT FROM THE CITY OF LONE TREE FOR RETAINING WALL CONSTRUCTION.
- WALL STATIONING TO FACE OF WALL AT FINISHED GRADE.



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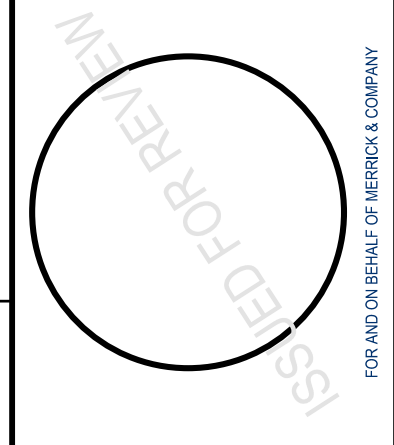
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BADGER GULCH PARK CIVIL IMPROVEMENTS PLAN

WALL PROFILES 2



JOB NO.: 100610

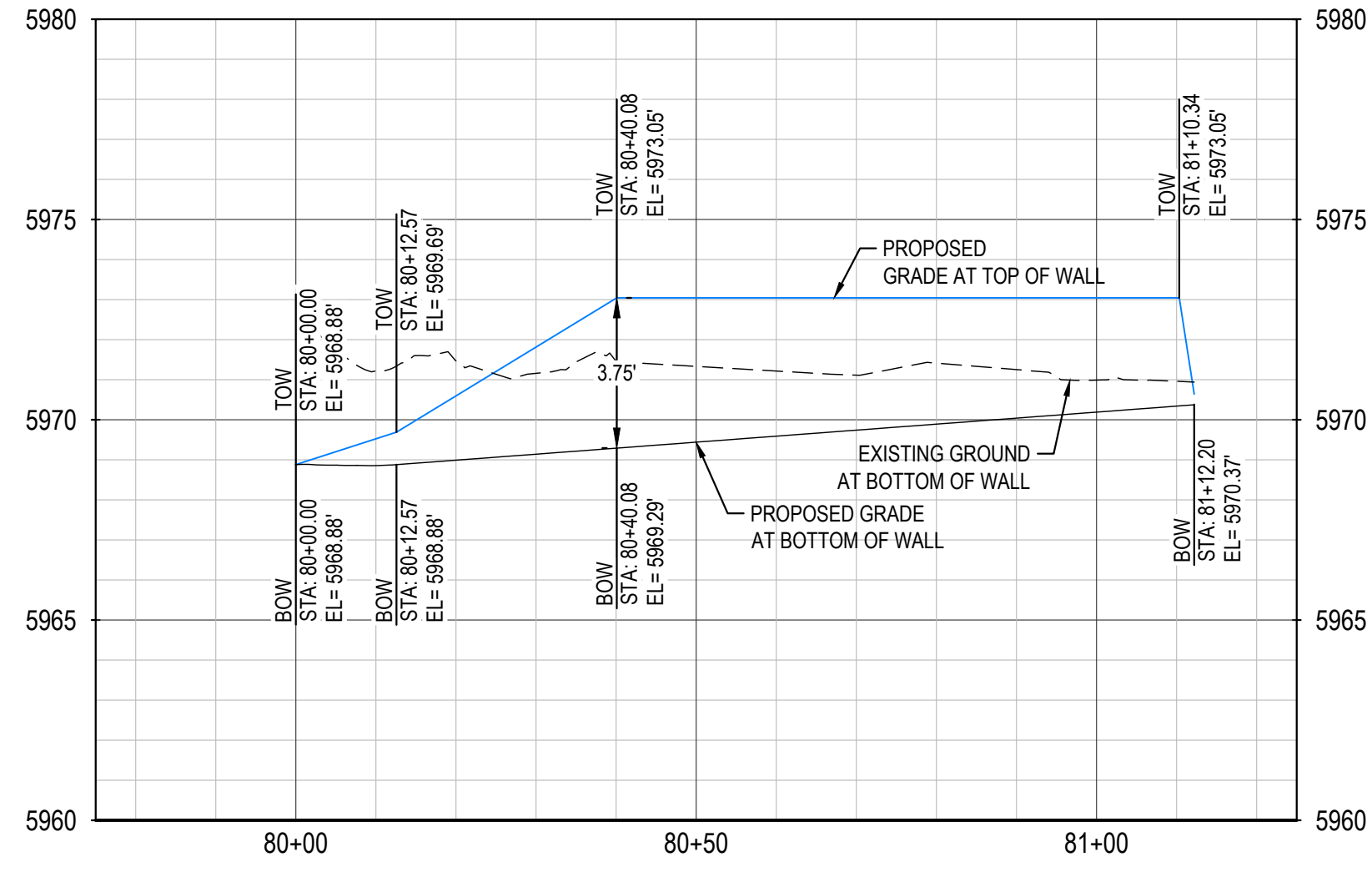
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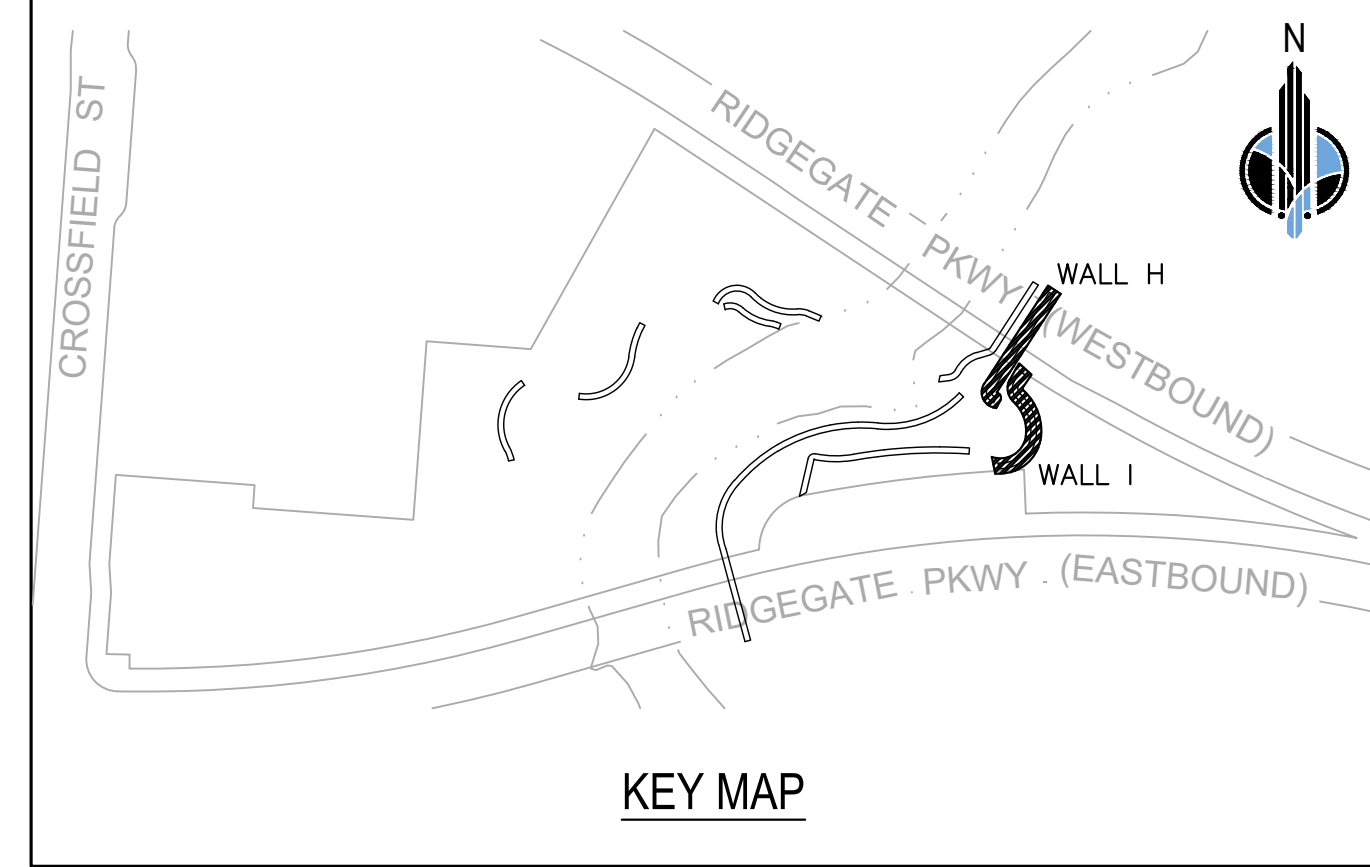
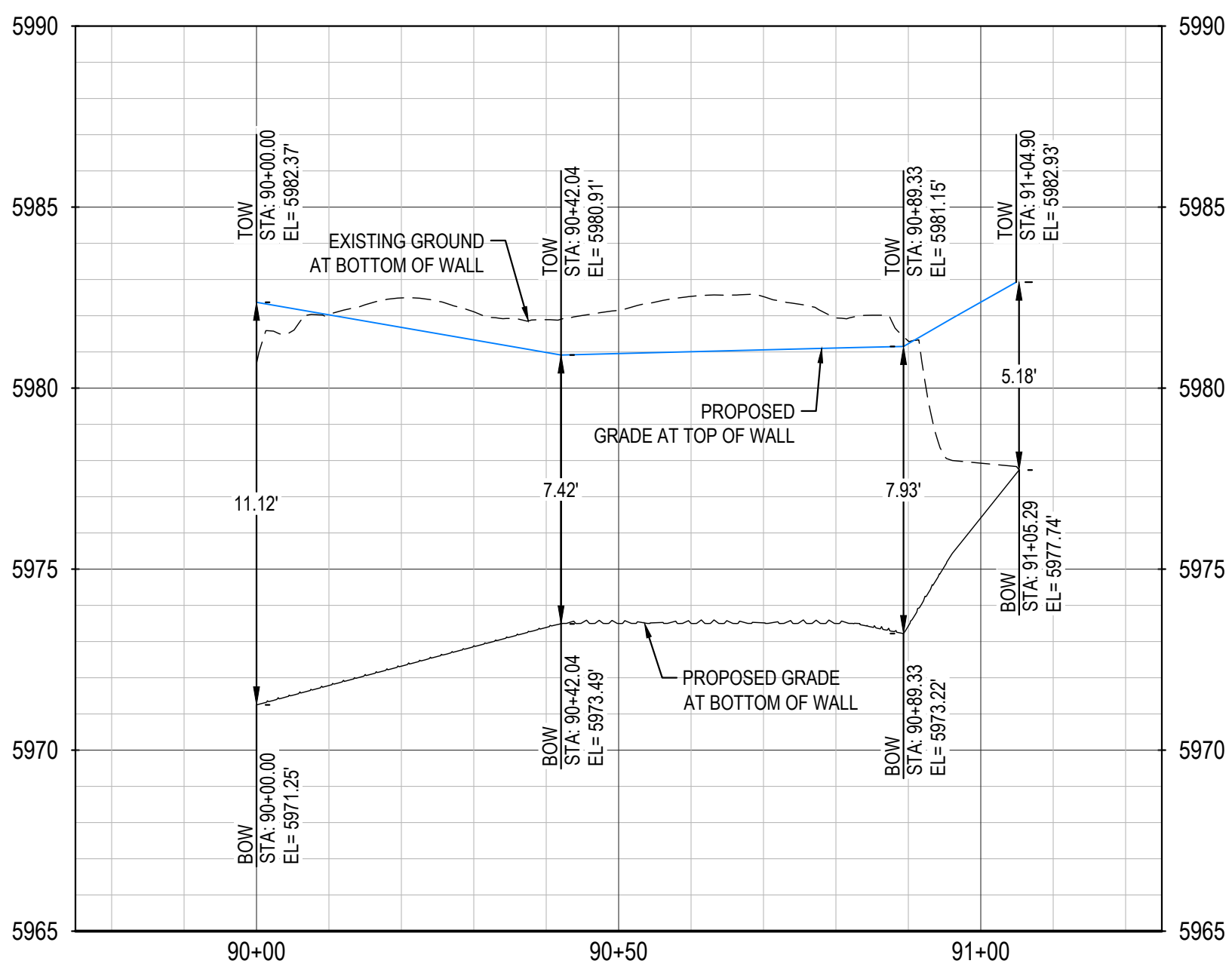
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RETAINING WALL H

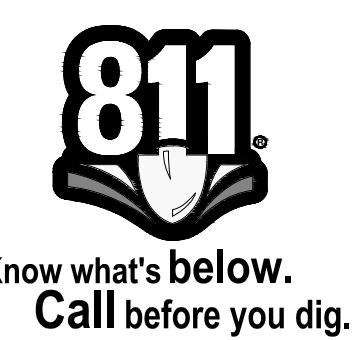
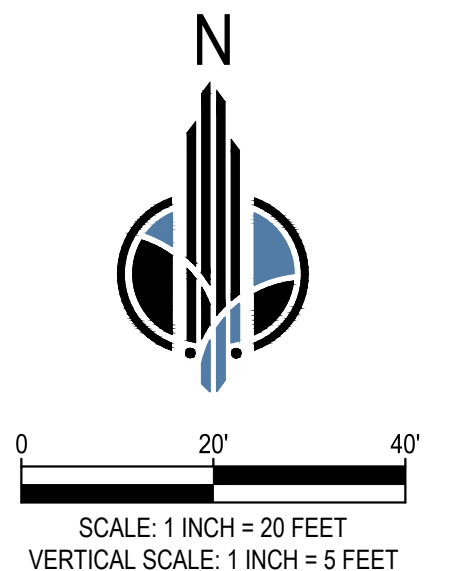


RETAINING WALL I



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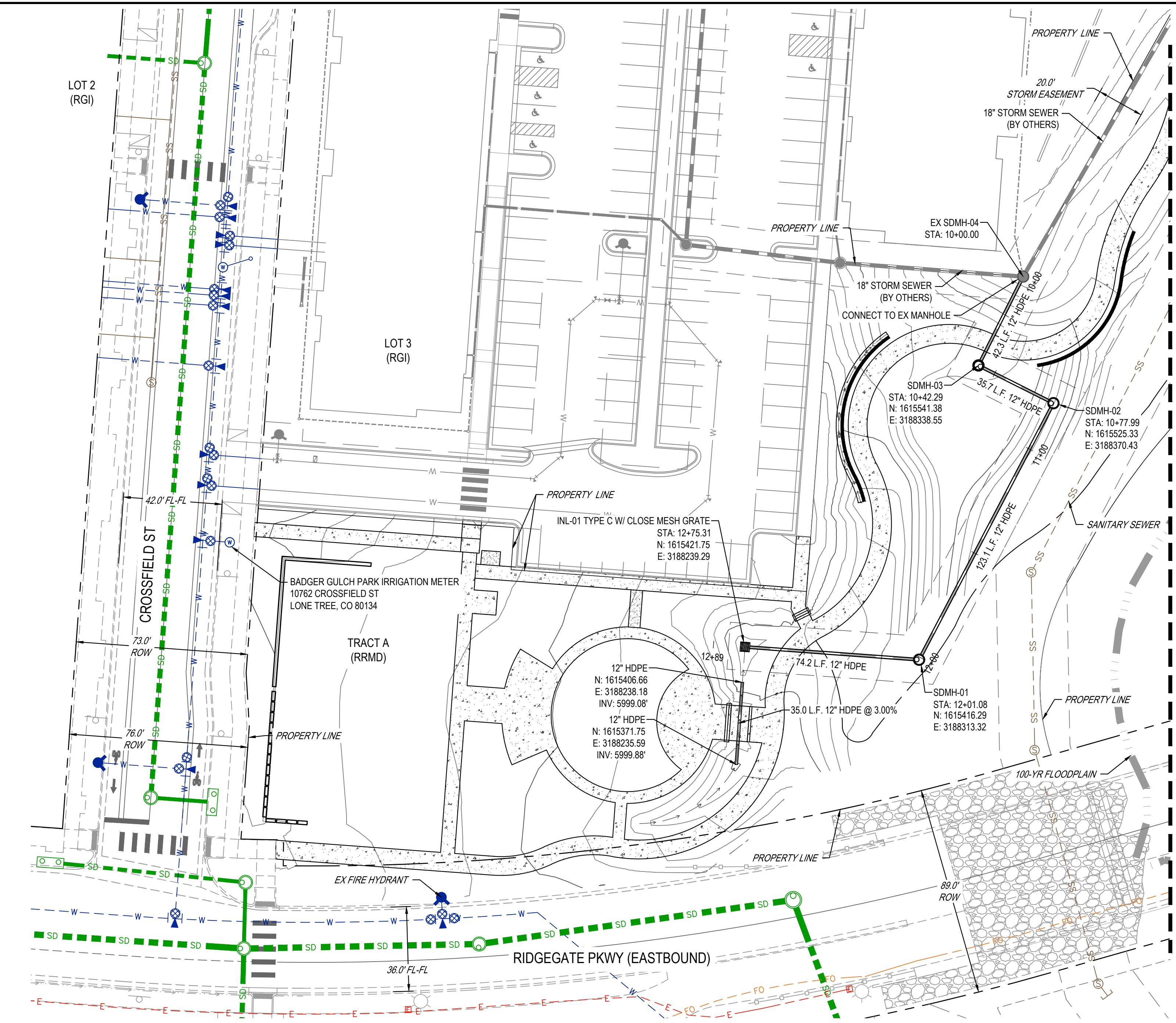
BADGER GULCH PARK CIVIL IMPROVEMENTS PLAN
 WALL PROFILES 3

ISSUED FOR REVIEW
 FOR AND ON BEHALF OF MERRICK & COMPANY

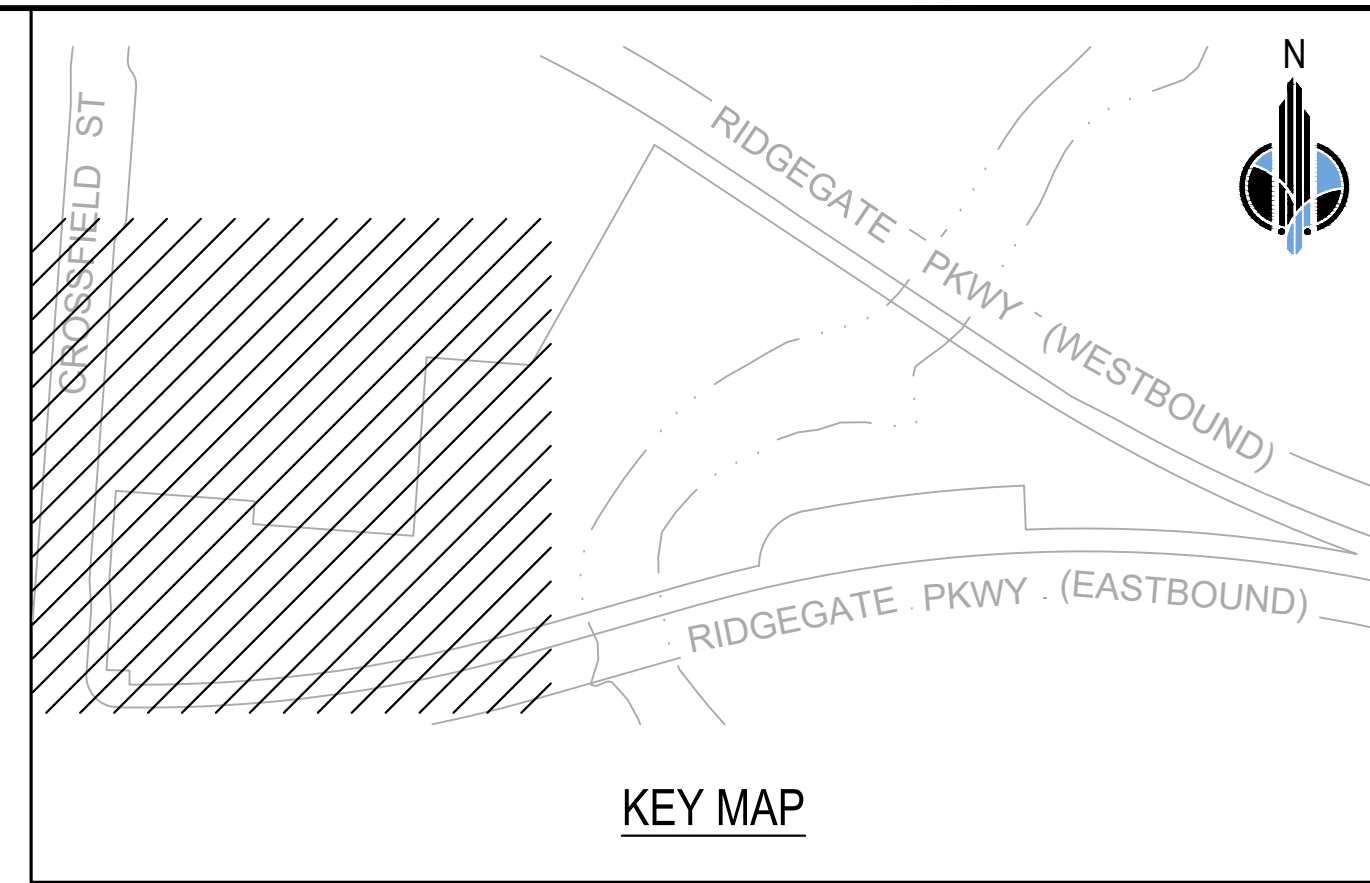
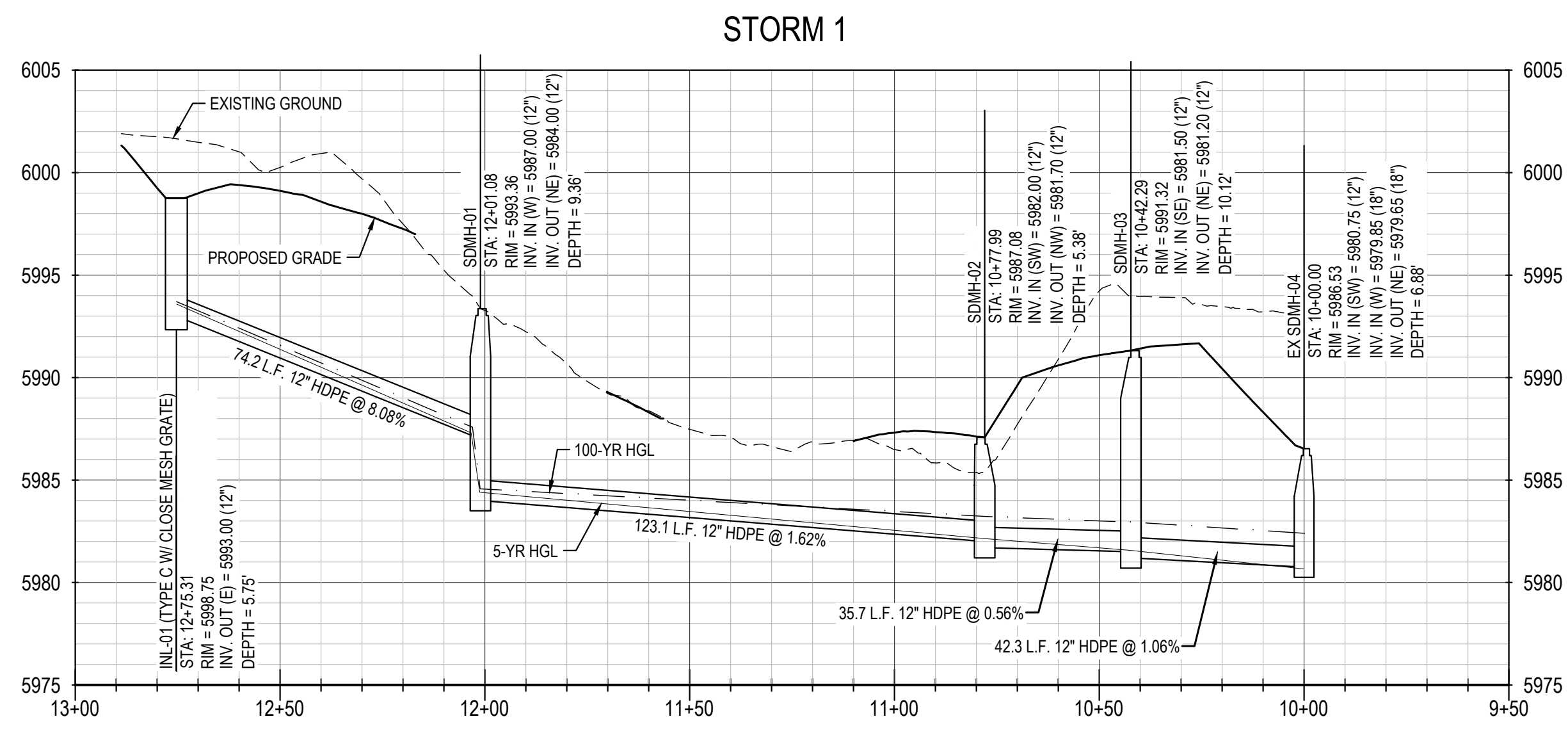
JOB NO.: 100610
 DATE: 09/20/2024
 SHEET: 19 OF 25

THIS AND ALL OTHERS ARE EXISTING. ANY CHANGES TO THIS PLAN SHALL BE INDICATED BY A RED LINE. ANY CHANGES TO THIS PLAN SHALL BE INDICATED BY A RED LINE. ANY CHANGES TO THIS PLAN SHALL BE INDICATED BY A RED LINE.

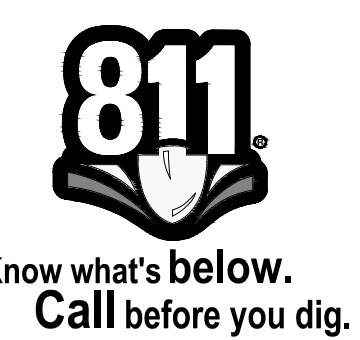
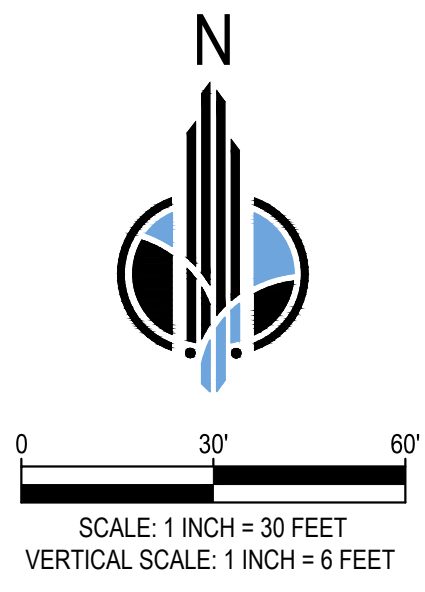
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MATCHLINE ON SHEET 21



KEY MAP



City of Lone Tree
 These construction plans have been reviewed by the City of Lone Tree for drainage, grading and erosion improvements only.
 Engineering Division Acceptance Block

<p>5970 GREENWOOD PLAZA BLVD, GREENWOOD VILLAGE, CO. 80111 303-751-0741 www.merrick.com</p>						
DESIGN BY:	MS					
DRAWN BY:	MS					
CHECKED BY:	CB					
APPROVED BY:	CB					
JOB NO.:	100610					
DATE:	09/20/2024					
SHEET:	20 OF 25					
1	2ND SUBMITTAL	09/20/2024	MS	CB	CB	
1	REV	REVISION DESCRIPTION	DATE	DRWN	CHKD	APPR
BADGER GULCH PARK CIVIL IMPROVEMENTS PLAN		STORM SEWER PLAN & PROFILE 1				
ISSUED FOR REVIEW						
FOR AND ON BEHALF OF MERRICK & COMPANY						

