

# RETREAT AT TIMBERRIDGE FILING NO. 2

## COUNTY OF EL PASO, STATE OF COLORADO

# CONSTRUCTION DRAWINGS

MARCH 2021

### GENERAL CONSTRUCTION NOTES:

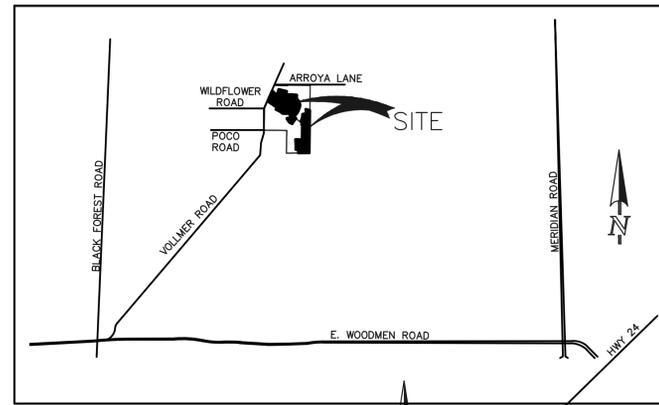
- THE LOCATION OF EXISTING UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND MAY NOT INCLUDE ALL UTILITIES. THE EXCAVATION CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UTILITIES.
- BEFORE COMMENCING ANY EXCAVATION, CALL 1-800-922-1987 FOR EXISTING UTILITY LOCATIONS.
- THE CONTRACTOR WILL TAKE THE NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES FROM DAMAGE DUE TO THIS OPERATION. ANY DAMAGE TO THE UTILITIES WILL BE REPAIRED AT THE CONTRACTOR'S EXPENSE, AND ANY SERVICE DISRUPTION WILL BE SETTLED BY THE CONTRACTOR.
- ALL BACKFILL, SUB-BASE AND/OR BASE COURSE (CLASS 6) MATERIAL SHALL BE COMPACTED TO THE SOILS ENGINEER'S RECOMMENDATIONS, AND APPROVED BY EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT (PCD).
- ALL STATIONING IS CENTERLINE UNLESS OTHERWISE INDICATED. ALL ELEVATIONS ARE CENTERLINE UNLESS OTHERWISE INDICATED.
- THE CONTRACTOR SHALL REVEGETATE ALL DISTURBED AREAS AS SOON AS POSSIBLE AND EROSION CONTROL SHALL BE INSTALLED AND MAINTAINED IN A FUNCTIONAL MANNER AT ALL TIMES. DEVELOPER RESPONSIBLE FOR MAINTAINING DISTURBED AREAS UNTIL REVEGETATION IS COMPLETE.
- ALL DISTURBED PAVEMENT EDGES SHALL BE CUT TO NEAT LINES. REPAIR SHALL CONFORM TO THE EPC ECM APPENDIX K - 1.2C.
- ADDITIONAL EROSION CONTROL STRUCTURES MAY BE REQUIRED AT THE TIME OF CONSTRUCTION.
- BUILDING CONTRACTORS WILL BE RESPONSIBLE FOR CONSTRUCTING POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES.
- ASPHALT THICKNESS AND BASE COURSE THICKNESS (COMPACTED) FOR ROADS SHALL BE PER DESIGN REPORT BY OWNER'S GEOTECHNICAL ENGINEER. OWNER'S GEOTECHNICAL ENGINEER TO BE ON SITE AT TIME OF ROAD CONSTRUCTION TO EVALUATE SOIL CONDITIONS AND DETERMINE IF ADDITIONAL MEASURES ARE NECESSARY TO ASSURE STABILITY OF THE NEW ROADS. PAVEMENT DESIGN SHALL BE APPROVED BY PLANNING AND COMMUNITY DEVELOPMENT PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL REVEGETATE ALL DISTURBED AREAS WITHIN 21 DAYS OF SUBSTANTIAL GRADING COMPLETION. EROSION CONTROL SHALL BE INSTALLED AND MAINTAINED IN A FUNCTIONAL MANNER AT ALL TIMES. DEVELOPER IS RESPONSIBLE FOR MAINTAINING DISTURBED AREAS UNTIL REVEGETATION IS COMPLETE.
- TYPE M RIP-RAP WITH 4" OF TYPE II GRANULAR BEDDING AND MIRAFI 180N OR EQUAL MAY BE SUBSTITUTED WHERE TYPE L RIP-RAP WITH MIRAFI FW 700 OR EQUAL IS SPECIFIED.
- ALL MATERIALS AND INSTALLATION PROCEDURES SHALL BE IN COMPLIANCE WITH ANY AND ALL APPLICABLE EL PASO COUNTY STANDARDS.

### STANDARD NOTES FOR EL PASO COUNTY CONSTRUCTION PLANS:

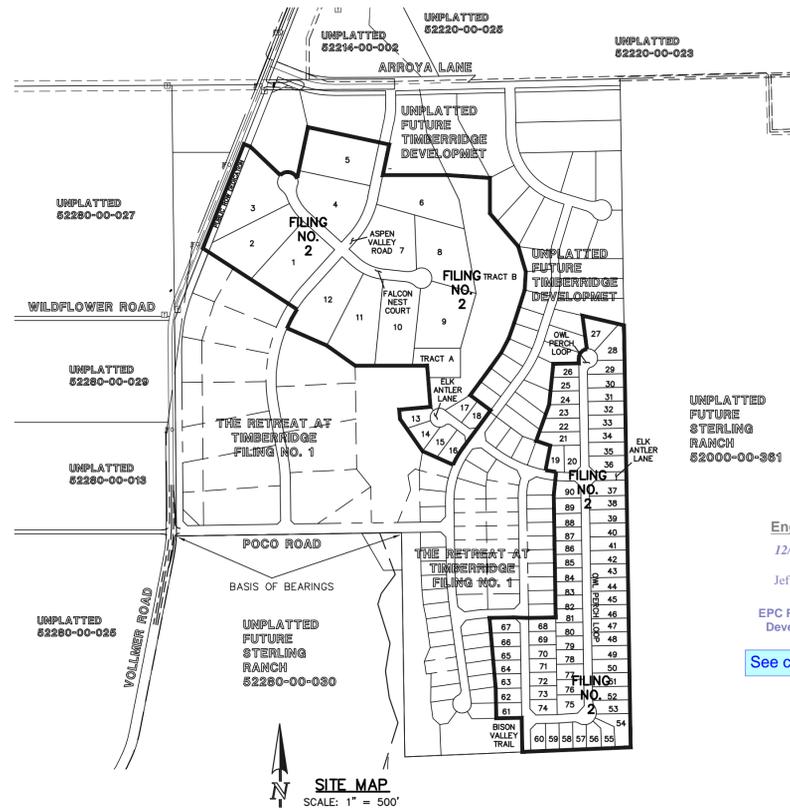
- ALL DRAINAGE AND ROADWAY CONSTRUCTION SHALL MEET THE STANDARDS AND SPECIFICATIONS OF THE CITY OF COLORADO SPRINGS/EL PASO COUNTY DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2, AND THE EL PASO COUNTY ENGINEERING CRITERIA MANUAL.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE NOTIFICATION AND FIELD NOTIFICATION OF ALL EXISTING UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT, BEFORE BEGINNING CONSTRUCTION. LOCATION OF EXISTING UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CALL 811 TO CONTACT THE UTILITY NOTIFICATION CENTER OF COLORADO (UNCC).
- CONTRACTOR SHALL KEEP A COPY OF THESE APPROVED PLANS, THE GRADING AND EROSION CONTROL PLAN, THE STORMWATER MANAGEMENT PLAN (SWMP), THE SOILS AND GEOTECHNICAL REPORT, AND THE APPROPRIATE DESIGN AND CONSTRUCTION STANDARDS AND SPECIFICATIONS AT THE JOB SITE AT ALL TIMES, INCLUDING THE FOLLOWING:
  - EL PASO COUNTY ENGINEERING CRITERIA MANUAL (ECM)
  - CITY OF COLORADO SPRINGS/EL PASO COUNTY DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2
  - COLORADO DEPARTMENT OF TRANSPORTATION (CDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION
  - CDOT M & S STANDARDS
- NOTWITHSTANDING ANYTHING DEPICTED IN THESE PLANS IN WORDS OR GRAPHIC REPRESENTATION, ALL DESIGN AND CONSTRUCTION RELATED TO ROADS, STORM DRAINAGE AND EROSION CONTROL SHALL CONFORM TO THE STANDARDS AND REQUIREMENTS OF THE MOST RECENT VERSION OF THE RELEVANT ADOPTED EL PASO COUNTY STANDARDS, INCLUDING THE LAND DEVELOPMENT CODE, THE ENGINEERING CRITERIA MANUAL, THE DRAINAGE CRITERIA MANUAL, AND THE DRAINAGE CRITERIA MANUAL, VOLUME 2. ANY DEVIATIONS FROM REGULATIONS AND STANDARDS MUST BE REQUESTED, AND APPROVED, IN WRITING. ANY MODIFICATIONS NECESSARY TO MEET CRITERIA AFTER-THE-FACT WILL BE ENTIRELY THE DEVELOPER'S RESPONSIBILITY TO RECTIFY.
- IT IS THE DESIGN ENGINEER'S RESPONSIBILITY TO ACCURATELY SHOW EXISTING CONDITIONS, BOTH ONSITE AND OFFSITE, ON THE CONSTRUCTION PLANS. ANY MODIFICATIONS NECESSARY DUE TO CONFLICTS, OMISSIONS, OR CHANGED CONDITIONS WILL BE ENTIRELY THE DEVELOPER'S RESPONSIBILITY TO RECTIFY.
- CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT - INSPECTIONS, PRIOR TO STARTING CONSTRUCTION.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO UNDERSTAND THE REQUIREMENTS OF ALL JURISDICTIONAL AGENCIES AND TO OBTAIN ALL REQUIRED PERMITS, INCLUDING BUT NOT LIMITED TO EL PASO COUNTY EROSION AND STORMWATER QUALITY CONTROL PERMIT (ESQCP), REGIONAL BUILDING FLOODPLAIN DEVELOPMENT PERMIT, U.S. ARMY CORPS OF ENGINEERS-ISSUED 401 AND/OR 404 PERMITS, AND COUNTY AND STATE FUGITIVE DUST PERMITS.
- CONTRACTOR SHALL NOT DEVIATE FROM THE PLANS WITHOUT FIRST OBTAINING WRITTEN APPROVAL FROM THE DESIGN ENGINEER AND PCD. CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER IMMEDIATELY UPON DISCOVERY OF ANY ERRORS OR INCONSISTENCIES.
- ALL STORM DRAIN PIPE SHALL BE CLASS III RCP OR CLASS IV WITH WATER TIGHT JOINTS WHERE CALLED OUT, UNLESS OTHERWISE NOTED AND APPROVED BY PCD.
- CONTRACTOR SHALL COORDINATE GEOTECHNICAL TESTING PER ECM STANDARDS. PAVEMENT DESIGN SHALL BE APPROVED BY EL PASO COUNTY PCD PRIOR TO PLACEMENT OF CURB AND GUTTER AND PAVEMENT.
- ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE AT APPROVED CONSTRUCTION ACCESS POINTS.
- SIGHT VISIBILITY TRIANGLES AS IDENTIFIED IN THE PLANS SHALL BE PROVIDED AT ALL INTERSECTIONS. OBSTRUCTIONS GREATER THAN 18 INCHES ABOVE FLOWLINE ARE NOT ALLOWED WITHIN SIGHT TRIANGLES.
- SIGNING AND STRIPING SHALL COMPLY WITH EL PASO COUNTY DEPARTMENT OF PUBLIC WORKS AND MUTCD CRITERIA.
- CONTRACTOR SHALL OBTAIN ANY PERMITS REQUIRED BY EL PASO COUNTY DEPARTMENT OF PUBLIC WORKS, INCLUDING WORK WITHIN THE RIGHT-OF-WAY AND SPECIAL TRANSPORT PERMITS.
- THE LIMITS OF CONSTRUCTION SHALL REMAIN WITHIN THE PROPERTY LINE UNLESS OTHERWISE NOTED. THE OWNER/DEVELOPER SHALL OBTAIN WRITTEN PERMISSION AND EASEMENTS, WHERE REQUIRED, FROM ADJOINING PROPERTY OWNER(S) PRIOR TO ANY OFF-SITE DISTURBANCE, GRADING, OR CONSTRUCTION.

### SIGNING AND STRIPING NOTES:

- ALL SIGNS AND PAVEMENT MARKINGS SHALL BE IN COMPLIANCE WITH THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- REMOVAL OF EXISTING PAVEMENT MARKINGS SHALL BE ACCOMPLISHED BY A METHOD THAT DOES NOT MATERIALLY DAMAGE THE PAVEMENT. THE PAVEMENT MARKINGS SHALL BE REMOVED TO THE EXTENT THAT THEY WILL NOT BE VISIBLE UNDER DAY OR NIGHT CONDITIONS. AT NO TIME WILL IT BE ACCEPTABLE TO PAINT OVER EXISTING PAVEMENT MARKINGS.
- ANY DEVIATION FROM THE STRIPING AND SIGNING PLAN SHALL BE APPROVED BY EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT.
- ALL SIGNS SHOWN ON THE SIGNING AND STRIPING PLAN SHALL BE NEW SIGNS. EXISTING SIGNS MAY REMAIN OR BE REUSED IF THEY MEET CURRENT EL PASO COUNTY AND MUTCD STANDARDS.
- STREET NAME AND REGULATORY STOP SIGNS SHALL BE ON THE SAME POST AT INTERSECTIONS.
- ALL REMOVED SIGNS SHALL BE DISPOSED OF IN A PROPER MANNER BY THE CONTRACTOR.
- ALL STREET NAME SIGNS SHALL HAVE "D" SERIES LETTERS, WITH LOCAL ROADWAY SIGNS BEING 4" UPPER-LOWER CASE LETTERING ON 8" BLANK AND NON-LOCAL ROADWAY SIGNS BEING 6" LETTERING, UPPER-LOWER CASE ON 12" BLANK, WITH A WHITE BORDER THAT IS NOT RECESSED. MULTI-LANE ROADWAYS WITH SPEED LIMITS OF 40 MPH OR HIGHER SHALL HAVE 8" UPPER-LOWER CASE LETTERING ON 18" BLANK WITH A WHITE BORDER THAT IS NOT RECESSED. THE WIDTH OF THE NON-RECESSED WHITE BORDERS SHALL MATCH PAGE 255 OF THE 2012 MUTCD "STANDARD HIGHWAY SIGNS."
- ALL TRAFFIC SIGNS SHALL HAVE A MINIMUM HIGH INTENSITY PRISMATIC GRADE SHEETING.
- ALL LOCAL RESIDENTIAL STREET SIGNS SHALL BE MOUNTED ON A 1.75" X 1.75" SQUARE TUBE SIGN POST AND STUB POST BASE. FOR OTHER APPLICATIONS, REFER TO THE CDOT STANDARD S-614-8 REGARDING USE OF THE P2 TUBULAR STEEL POST SLIPBASE DESIGN.
- ALL SIGNS SHALL BE SINGLE SHEET ALUMINUM WITH 0.100" MINIMUM THICKNESS.
- ALL LIMIT LINES/STOP LINES, CROSSWALK LINES, PAVEMENT LEGENDS, AND ARROWS SHALL BE A MINIMUM 125 MIL THICKNESS PREFORMED THERMOPLASTIC PAVEMENT MARKINGS WITH TAPERED LEADING EDGES PER CDOT STANDARD S-627-1. WORD AND SYMBOL MARKINGS SHALL BE THE NARROW TYPE. STOP BARS SHALL BE 24" IN WIDTH. CROSSWALK LINES SHALL BE 12" WIDE AND 8" LONG PER CDOT S-627-1.
- ALL LONGITUDINAL LINES SHALL BE A MINIMUM 15MIL THICKNESS EPOXY PAINT. ALL NON-LOCAL RESIDENTIAL ROADWAYS SHALL INCLUDE BOTH RIGHT AND LEFT EDGE LINE STRIPING AND ANY ADDITIONAL STRIPING AS REQUIRED BY CDOT S-627-1.
- THE CONTRACTOR SHALL NOTIFY EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT (719) 520-6819 PRIOR TO AND UPON COMPLETION OF SIGNING AND STRIPING.
- THE CONTRACTOR SHALL OBTAIN A WORK IN THE RIGHT OF WAY PERMIT FROM THE EL PASO COUNTY DEPARTMENT OF PUBLIC WORKS (DPW) PRIOR TO ANY SIGNAGE OR STRIPING WORK WITHIN AN EXISTING EL PASO COUNTY ROADWAY.



VICINITY MAP  
N.T.S.



SITE MAP  
SCALE: 1" = 500'

### BASIS OF BEARINGS:

THE SOUTH LINE OF THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER OF SECTION 28, TOWNSHIP 12 SOUTH, RANGE 65 WEST OF THE SIXTH PRINCIPAL MERIDIAN, BEING MONUMENTED AT THE WEST END WHICH IS THE SOUTHWEST CORNER OF THE SOUTHEAST QUARTER OF THE NORTHEAST QUARTER OF SAID SECTION 28, BY A 3-1/4" ALUMINUM SURVEYORS CAP STAMPED "ESI PLS 10376, 2006" AND AT THE EAST END, WHICH IS A 30" WITNESS CORNER TO THE EAST OF THE EAST QUARTER CORNER OF SAID SECTION 28, BY A 3-1/4" ALUMINUM SURVEYORS CAP STAMPED "ESI 10376, 2006", IS ASSUMED TO BEAR S89°08'28"W A DISTANCE OF 1326.68 FEET.

### BENCHMARKS:

BENCHMARK #1: A 3.25 ALUMINUM SURVEYORS CAP STAMPED "WC 30/2006 PLS 10376" LOCATED 30' EAST OF THE EAST QUARTER CORNER OF SECTION 28, TOWNSHIP 12 SOUTH, RANGE 65 WEST OF THE 6TH PRINCIPAL MERIDIAN. ELEVATION: = 7168.20

BENCH MARK #2: A 3.25 ALUMINUM SURVEYORS CAP STAMPED "2006 PLS 10376" LOCATED AT THE SOUTHEAST CORNER OF SECTION 28, TOWNSHIP 12 SOUTH, RANGE 65 WEST OF THE 6TH PRINCIPAL MERIDIAN. ELEVATION: = 7141.36

UNPLATTED  
FUTURE  
STERLING  
RANCH  
S2280-00-081

Engineering Review  
12/10/2021 1:20:54 PM  
dsdrice  
JeffRice@elpasoco.com  
(719) 520-7877  
EPC Planning & Community  
Development Department

See comment letter also

### AGENCIES:

- OWNER/DEVELOPER: TIMBERRIDGE DEVELOPMENT GROUP, LLC  
2138 FLYING HORSE CLUB DR  
COLORADO SPRINGS, CO 80921  
MR. LOREN J. MORELAND, (719) 592-9333
- CIVIL ENGINEER: CLASSIC CONSULTING ENGINEERS & SURVEYORS  
619 N. CASCADE AVENUE, SUITE 200  
COLORADO SPRINGS, COLORADO 80903  
MR. MARC A. WHORTON, P.E. (719) 785-2802
- COUNTY ENGINEERING: EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT  
2880 INTERNATIONAL CIRCLE, SUITE 110  
COLORADO SPRINGS, COLORADO 80910  
MR. JEFF RICE (719) 520-7877
- GAS COMPANY: BLACKHILLS ENERGY  
37 WIDEFIELD BOULEVARD  
WIDEFIELD, COLORADO 80911  
MR. GEORGE M. PETERSON, (719) 392-3491
- ELECTRIC COMPANY: MOUNTAIN VIEW ELECTRIC  
P.O. BOX 1600  
LIMON, COLORADO 80828  
MR. LES ULFERS, (719) 495-2283
- FIRE DISTRICT: BLACK FOREST FIRE PROTECTION DISTRICT  
11445 TEACOUT ROAD  
COLORADO SPRINGS, CO 80908  
CHIEF BRYAN JACK, (719) 495-4300
- TELEPHONE COMPANY: CENTURY LINK  
(LOCATORS) 811  
AT & T  
(LOCATORS) 811

### SHEET INDEX

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### APPROVALS:

#### DESIGN ENGINEER'S STATEMENT:

THESE DETAILED PLANS AND SPECIFICATIONS WERE PREPARED UNDER MY DIRECTION AND SUPERVISION. SAID PLANS AND SPECIFICATIONS HAVE BEEN PREPARED ACCORDING TO THE CRITERIA ESTABLISHED BY THE COUNTY FOR DETAILED ROADWAY, DRAINAGE, GRADING AND EROSION CONTROL PLANS AND SPECIFICATIONS, AND SAID PLANS AND SPECIFICATIONS ARE IN CONFORMITY WITH APPLICABLE MASTER DRAINAGE PLANS AND MASTER TRANSPORTATION PLANS. SAID PLANS AND SPECIFICATIONS MEET THE PURPOSES FOR WHICH THE PARTICULAR ROADWAY AND DRAINAGE FACILITIES ARE DESIGNED AND ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. I ACCEPT RESPONSIBILITY FOR ANY LIABILITY DIRECTLY CAUSED BY THE NEGLIGENT ACTS, ERRORS, OR OMISSIONS ON MY PART IN PREPARATION OF THESE DETAILED PLANS AND SPECIFICATIONS.

MARC A WHORTON, COLORADO P.E. #37155  
FOR AND ON THE BEHALF OF CLASSIC CONSULTING ENGINEERS & SURVEYORS  
DATE

#### OWNER/DEVELOPER'S STATEMENT:

I, THE OWNER/DEVELOPER HAVE READ AND WILL COMPLY WITH THE REQUIREMENTS OF THE GRADING AND EROSION CONTROL PLAN AND ALL OF THE REQUIREMENTS SPECIFIED IN THESE DETAILED PLANS AND SPECIFICATIONS.

LOREN J. MORELAND  
DATE

#### EL PASO COUNTY:

COUNTY PLAN REVIEW IS PROVIDED ONLY FOR GENERAL CONFORMANCE WITH COUNTY DESIGN CRITERIA. THE COUNTY IS NOT RESPONSIBLE FOR THE ACCURACY AND ADEQUACY OF THE DESIGN, DIMENSIONS, AND/OR ELEVATIONS WHICH SHALL BE CONFIRMED AT THE JOB SITE. THE COUNTY THROUGH THE APPROVAL OF THIS DOCUMENT ASSUMES NO RESPONSIBILITY FOR COMPLETENESS AND/OR ACCURACY OF THIS DOCUMENT.

FILED IN ACCORDANCE WITH THE REQUIREMENTS OF THE EL PASO COUNTY LAND DEVELOPMENT CODE, DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2 AND ENGINEERING CRITERIA MANUAL AS AMENDED.

IN ACCORDANCE WITH WITH ECM SECTION 1.12, THESE CONSTRUCTION DOCUMENTS WILL BE VALID FOR CONSTRUCTION FOR A PERIOD OF 2 YEARS FROM THE DATE SIGNED BY THE EL PASO COUNTY ENGINEER. IF CONSTRUCTION HAS NOT STARTED WITHIN THOSE 2 YEARS, THE PLANS WILL NEED TO BE RESUBMITTED FOR APPROVAL, INCLUDING PAYMENT OF REVIEW FEES AT THE PLANNING AND COMMUNITY DEVELOPMENT DIRECTOR'S DISCRETION.

JENNIFER IRVINE, P.E.  
COUNTY ENGINEER / ECM ADMINISTRATOR  
DATE  
PCD No. SF-21-021

|  |   |                 |   |
|--|---|-----------------|---|
| 48 HOURS BEFORE YOU DIG,<br>CALL UTILITY LOCATORS<br><b>811</b><br>UTILITY NOTIFICATION CENTER OF COLORADO<br>IT'S THE LAW   | NO. REVISION<br>1 REVISED PER COUNTY COMMENTS | DATE<br>8/16/21 | REVIEW:<br>PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF<br>CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC |
| THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. |   |                 | MARC A. WHORTON, COLORADO P.E. #37155<br>DATE   |

|             |     |              |         |          |
|-------------|-----|--------------|---------|----------|
| DESIGNED BY | PRA | SCALE        | DATE    | 02-25-21 |
| DRAWN BY    | PRA | (H) 1" = N/A | SHEET   | 1 OF 24  |
| CHECKED BY  |     | (V) 1" = N/A | JOB NO. | 1185.20  |

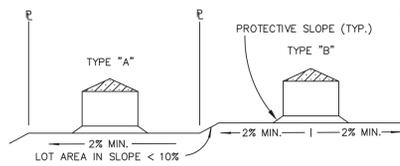
CLASSIC CONSULTING

RETREAT AT TIMBERRIDGE FILING NO. 2  
CONSTRUCTION DRAWINGS  
TITLE SHEET

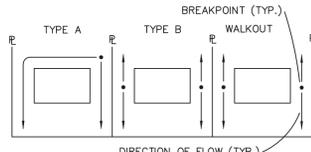
**STANDARD NOTES FOR EL PASO COUNTY GRADING AND EROSION CONTROL PLANS:**

- STORMWATER DISCHARGES FROM CONSTRUCTION SITES SHALL NOT CAUSE OR THREATEN TO CAUSE POLLUTION, CONTAMINATION, OR DEGRADATION OF STATE WATERS. ALL WORK AND EARTH DISTURBANCE SHALL BE DONE IN A MANNER THAT MINIMIZES POLLUTION OF ANY ON-SITE OR OFF-SITE WATERS, INCLUDING WETLANDS.
- NOTWITHSTANDING ANYTHING DEPICTED IN THESE PLANS IN WORDS OR GRAPHIC REPRESENTATION, ALL DESIGN AND CONSTRUCTION RELATED TO ROADS, STORM DRAINAGE AND EROSION CONTROL SHALL CONFORM TO THE STANDARDS AND REQUIREMENTS OF THE MOST RECENT VERSION OF THE RELEVANT ADOPTED EL PASO COUNTY STANDARDS, INCLUDING THE LAND DEVELOPMENT CODE, THE ENGINEERING CRITERIA MANUAL, THE DRAINAGE CRITERIA MANUAL, AND THE DRAINAGE CRITERIA MANUAL VOLUME 2. ANY DEVIATIONS TO REGULATIONS AND STANDARDS MUST BE REQUESTED, AND APPROVED, IN WRITING.
- A SEPARATE STORMWATER MANAGEMENT PLAN (SWMP) FOR THIS PROJECT SHALL BE COMPLETED AND AN EROSION AND STORMWATER QUALITY CONTROL PERMIT (ESQCP) ISSUED PRIOR TO COMMENCING CONSTRUCTION. DURING CONSTRUCTION THE SWMP IS THE RESPONSIBILITY OF THE DESIGNATED QUALIFIED STORMWATER MANAGER OR CERTIFIED EROSION CONTROL INSPECTOR AND SHALL BE LOCATED ON SITE AT ALL TIMES DURING CONSTRUCTION AND SHALL BE KEPT UP TO DATE WITH WORK PROGRESS AND CHANGES IN THE FIELD.
- ONCE THE ESQCP IS APPROVED AND A (NOTICE TO PROCEED) HAS BEEN ISSUED, THE CONTRACTOR MAY INSTALL THE INITIAL STAGE EROSION AND SEDIMENT CONTROL MEASURES AS INDICATED ON THE APPROVED G.C. A PRECONSTRUCTION MEETING BETWEEN THE CONTRACTOR, ENGINEER, AND EL PASO COUNTY WILL BE HELD PRIOR TO ANY CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE APPLICANT TO COORDINATE THE MEETING TIME AND PLACE WITH COUNTY STAFF.
- CONTROL MEASURES MUST BE INSTALLED PRIOR TO COMMENCEMENT OF ACTIVITIES THAT MAY CONTRIBUTE POLLUTANTS TO STORMWATER. TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES, OR ANY DISTURBED LAND AREA SHALL BE COMPLETED IMMEDIATELY UPON COMPLETION OF THE DISTURBANCE.
- ALL TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES SHALL BE MAINTAINED AND REMAIN IN EFFECTIVE OPERATING CONDITION UNTIL PERMANENT SOIL EROSION CONTROL MEASURES ARE IMPLEMENTED AND FINAL STABILIZATION IS ESTABLISHED. ALL PERSONS ENGAGED IN LAND DISTURBANCE ACTIVITIES SHALL ASSESS THE ADEQUACY OF CONTROL MEASURES AT THE SITE AND IDENTIFY IF CHANGES TO THOSE CONTROL MEASURES IS NEEDED TO ENSURE THE CONTINUED EFFECTIVE PERFORMANCE OF THE CONTROL MEASURES. ALL CHANGES TO TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES MUST BE INCORPORATED INTO THE STORMWATER MANAGEMENT PLAN.
- TEMPORARY STABILIZATION SHALL BE IMPLEMENTED ON DISTURBED AREAS AND STOCKPILES WHERE GROUND DISTURBING CONSTRUCTION ACTIVITY HAS PERMANENTLY CEASED OR TEMPORARILY CEASED FOR LONGER THAN 14 DAYS.
- FINAL STABILIZATION MUST BE IMPLEMENTED AT ALL APPLICABLE CONSTRUCTION SITES. FINAL STABILIZATION IS ACHIEVED WHEN ALL GROUND DISTURBING AREAS ARE COMPLETE AND ALL DISTURBED AREAS EITHER HAVE A UNIFORM VEGETATIVE COVER WITH INDIVIDUAL PLAN DENSITY OF 70 PERCENT OF PRE-DISTURBANCE LEVELS ESTABLISHED OR EQUIVALENT PERMANENT ALTERNATIVE STABILIZATION METHOD IS IMPLEMENTED. ALL TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES SHALL BE REMOVED UPON FINAL STABILIZATION AND BEFORE PERMIT CLOSURE.
- ALL PERMANENT STORMWATER MANAGEMENT FACILITIES SHALL BE INSTALLED AS DEFINED IN THE APPROVED PLANS. ANY PROPOSED CHANGES THAT EFFECT THE HYDROLOGY OR HYDRAULICS OF A PERMANENT STORMWATER MANAGEMENT STRUCTURES MUST BE APPROVED BY THE EGM ADMINISTRATOR PRIOR TO IMPLEMENTATION.
- EARTH DISTURBANCES SHALL BE CONDUCTED IN SUCH A MANNER SO AS TO EFFECTIVELY MINIMIZE ACCELERATED SOIL EROSION AND RESULTING SEDIMENTATION. ALL DISTURBANCES SHALL BE DESIGNED, CONSTRUCTED, AND COMPLETED SO THAT THE EXPOSED AREA OF ANY DISTURBED LAND SHALL BE LIMITED TO THE SHORTEST PRACTICAL PERIOD OF TIME. PRE-EXISTING VEGETATION SHALL BE PROTECTED AND MAINTAINED WITHIN 50 HORIZONTAL FEET OF A WATERS OF THE STATE, UNLESS SHOWN TO BE INFEASIBLE AND SPECIFICALLY REQUESTED AND APPROVED.
- COMPACTION OF SOIL MUST BE PREVENTED IN AREAS DESIGNATED FOR INFILTRATION CONTROL MEASURES OR WHERE FINAL STABILIZATION WILL BE ACHIEVED BY VEGETATIVE COVER. AREAS DESIGNATED FOR INFILTRATION CONTROL MEASURES SHALL ALSO BE PROTECTED FROM SEDIMENTATION DURING CONSTRUCTION UNTIL FINAL STABILIZATION IS ACHIEVED. IF COMPACTION PREVENTION IS NOT FEASIBLE DUE TO SITE CONSTRAINTS, ALL AREAS DESIGNATED FOR INFILTRATION AND VEGETATION CONTROL MEASURES MUST BE LOOSENEED PRIOR TO INSTALLATION OF THE CONTROL MEASURE(S).
- ANY TEMPORARY OR PERMANENT FACILITY DESIGNED AND CONSTRUCTED FOR THE CONVEYANCE OF STORMWATER AROUND, THROUGH, OR FROM THE EARTH DISTURBANCE AREA SHALL BE A STABILIZED CONVEYANCE DESIGNED TO MINIMIZE EROSION AND THE DISCHARGE OF SEDIMENT OFF SITE.
- CONCRETE WASH WATER SHALL BE CONTAINED AND DISPOSED OF IN ACCORDANCE WITH THE SWMP. NO WASH WATER SHALL BE DISCHARGED TO OR ALLOWED TO RUNOFF TO STATE WATERS, INCLUDING ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR FACILITIES. CONCRETE WASHOUTS SHALL NOT BE LOCATED IN AN AREA WHERE SHALLOW GROUNDWATER MAY BE PRESENT, OR WITHIN 50 FEET OF A SURFACE WATER BODY, CREEK OR STREAM.
- DURING DEWATERING OPERATIONS: UNCONTAMINATED GROUND WATER MAY BE DISCHARGED ON SITE, BUT SHALL NOT LEAVE THE SITE IN THE FORM OF SURFACE RUNOFF UNLESS AN APPROVED STATE DEWATERING PERMIT IS IN PLACE.
- EROSION CONTROL BLANKETING OR OTHER PROTECTIVE COVERING SHALL BE USED ON SLOPES STEEPER THAN 3:1.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL WASTES FROM THE CONSTRUCTION SITE FOR DISPOSAL IN ACCORDANCE WITH LOCAL AND STATE REGULATORY REQUIREMENTS. NO CONSTRUCTION DEBRIS, TREE SLASH, BUILDING MATERIAL WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURIED, DUMPED OR DISCHARGED AT THE SITE.
- WASTE MATERIALS SHALL NOT BE TEMPORARILY PLACED IN THE STREET, ALLEY OR OTHER PUBLIC WAY, UNLESS IN ACCORDANCE WITH AN APPROVED TRAFFIC CONTROL PLAN. CONTROL MEASURES MAY BE REQUIRED BY EL PASO COUNTY ENGINEERING IF DEEMED NECESSARY, BASED ON SPECIFIC CONDITIONS AND CIRCUMSTANCES.
- TRACKING OF SOILS AND CONSTRUCTION DEBRIS OFF-SITE SHALL BE MINIMIZED. MATERIALS TRACKED OFFSITE SHALL BE CLEANED UP AND PROPERLY DISPOSED OF IMMEDIATELY.
- THE OWNER/DEVELOPER SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL CONSTRUCTION DEBRIS, DIRT, TRASH, ROCK, SEDIMENT, SOIL AND SAND THAT MAY ACCUMULATE IN ROADS, STORM DRAINS AND OTHER DRAINAGE CONVEYANCE SYSTEMS AND STORMWATER APPURTENANCES AS A RESULT OF SITE DEVELOPMENT.
- THE QUANTITY OF MATERIALS STORED ON THE PROJECT SITE SHALL BE LIMITED, AS MUCH AS PRACTICAL, TO THAT QUANTITY REQUIRED TO PERFORM THE WORK IN AN ORDERLY SEQUENCE. ALL MATERIALS STORED ON-SITE SHALL BE STORED IN A NEAT, ORDERLY MANNER, IN THEIR ORIGINAL CONTAINERS, WITH ORIGINAL MANUFACTURER'S LABELS.
- NO CHEMICAL(S) HAVING THE POTENTIAL TO BE RELEASED IN STORMWATER ARE TO BE STORED OR USED ONSITE UNLESS PERMISSION FOR THE USE OF A SPECIFIC CHEMICAL(S) IS GRANTED IN WRITING BY THE EGM ADMINISTRATOR. IN GRANTING APPROVAL FOR THE USE OF SUCH CHEMICAL(S), SPECIAL CONDITIONS AND MONITORING MAY BE REQUIRED.
- BULK STORAGE OF ALLOWED PETROLEUM PRODUCTS OR OTHER LIQUID CHEMICALS IN EXCESS OF 55 GALLONS SHALL REQUIRE ADEQUATE SECONDARY CONTAINMENT PROTECTION TO CONTAIN ALL SPILLS ONSITE AND TO PREVENT ANY SPILLED MATERIALS FROM ENTERING STATE WATERS, ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR FACILITIES.
- NO PERSON SHALL CAUSE THE IMPEDIMENT OF STORMWATER FLOW IN THE CURB AND GUTTER OR DITCH EXCEPT WITH APPROVED SEDIMENT CONTROL MEASURES.
- OWNER/DEVELOPER AND THEIR AGENTS SHALL COMPLY WITH THE COLORADO WATER QUALITY CONTROL ACT (TITLE 25, ARTICLE 8, CRS), AND THE CLEAN WATER ACT (33 USC 1344), IN ADDITION TO THE REQUIREMENTS OF THE LAND DEVELOPMENT CODE, DCM VOLUME II AND THE EGM APPENDIX I. ALL APPROPRIATE PERMITS MUST BE OBTAINED BY THE CONTRACTOR PRIOR TO CONSTRUCTION (1041, NPDES, FLOODPLAIN, 404, FUGITIVE DUST, ETC.). IN THE EVENT OF CONFLICTS BETWEEN THESE REQUIREMENTS AND LAWS, RULES, OR REGULATIONS OF OTHER FEDERAL, STATE, OR COUNTY AGENCIES, THE MORE RESTRICTIVE LAWS, RULES, OR REGULATIONS SHALL APPLY.
- ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE AT APPROVED CONSTRUCTION ACCESS POINTS.
- PRIOR TO CONSTRUCTION THE PERMITEE SHALL VERIFY THE LOCATION OF EXISTING UTILITIES.
- A WATER SOURCE SHALL BE AVAILABLE ON SITE DURING EARTHWORK OPERATIONS AND UTILIZED AS REQUIRED TO MINIMIZE DUST FROM EARTHWORK EQUIPMENT AND WIND.
- THE SOILS REPORTS FOR THIS SITE HAVE BEEN PREPARED BY ENTECH ENGINEERING, INC. TITLED "SOIL GEOLOGY, GEOLOGIC HAZARD AND WASTEWATER STUDY - THE RETREAT AT TIMBER RIDGE, VOLLMER ROAD AND ARROYA LANE," DATED APRIL 12, 2017, REVISED DECEMBER 1, 2017 AND "SUBSURFACE SOIL INVESTIGATION RETREAT AT TIMBERRIDGE, FILING NO. 1, POCO ROAD SAND CREEK CROSSING, DROP STRUCTURES AND DETENTION PONDS" DATED AUGUST 8, 2019. THESE REPORTS SHALL BE CONSIDERED A PART OF THESE PLANS.
- AT LEAST TEN (10) DAYS PRIOR TO THE ANTICIPATED START OF CONSTRUCTION, FOR PROJECTS THAT WILL DISTURB ONE (1) ACRE OR MORE, THE OWNER OR OPERATOR OF CONSTRUCTION ACTIVITY SHALL SUBMIT A PERMIT APPLICATION FOR STORMWATER DISCHARGE TO THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT, WATER QUALITY DIVISION. THE APPLICATION CONTAINS CERTIFICATION OF COMPLETION OF A STORMWATER MANAGEMENT PLAN (SWMP), OF WHICH THIS GRADING AND EROSION CONTROL PLAN MAY BE A PART. FOR INFORMATION OR APPLICATION MATERIALS CONTACT:

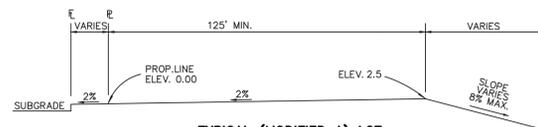
COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT  
 WATER QUALITY CONTROL DIVISION  
 WOOD - PERMITS  
 4300 CHERRY CREEK DRIVE SOUTH  
 DENVER, CO 80246-1530  
 ATTN: PERMITS UNIT



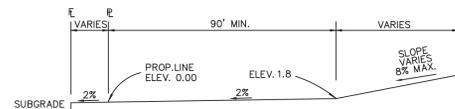
**TYPICAL LOT SECTION DETAIL**  
N.T.S.



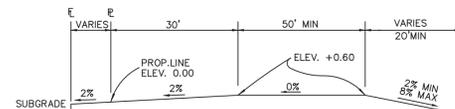
**LOT DRAINAGE TYPES**  
N.T.S.



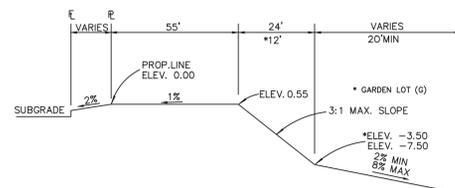
**TYPICAL (MODIFIED A) LOT**  
N.T.S.



**TYPICAL (A) LOT**  
N.T.S.



**TYPICAL (B) LOT**  
N.T.S.



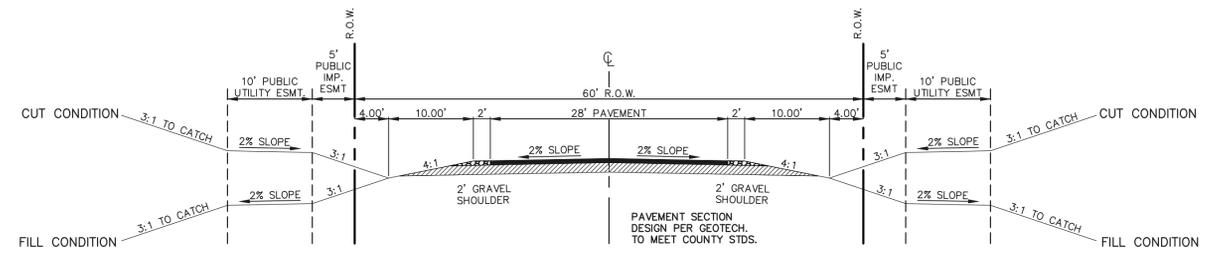
**TYPICAL WALKOUT LOT (W/O) OR GARDEN (G)**  
N.T.S.

**NOTES:**

BASED ON GREATER TYPICAL DEPTH OF PROPOSED LOTS, ALL LOT TEMPLATES ADJUSTED AND ADDITIONAL 5'.

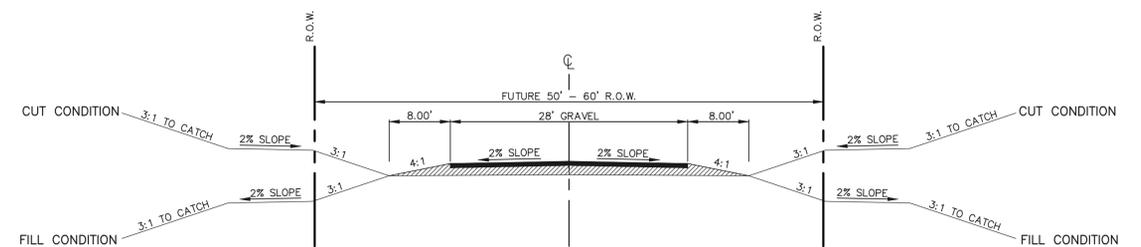
"T" LOTS OR "TRANSITION" LOTS OCCUR IN PLACES WHERE BOTH PROPERTY LINES CANNOT BE GRADED AS THE TYPICAL STANDARD LOT TEMPLATES SHOWN. THESE LOTS WILL STILL BE GRADED TO CREATE POSITIVE DRAINAGE AWAY FROM THE STRUCTURE.

SIDE LOT SWALES ARE REQUIRED ON THE DOWNHILL LOTS, EITHER BY BUILDER OR GRADING CONTRACTOR.



**60' R.O.W. TYPICAL RURAL LOCAL CROSS SECTION**  
SCALE: 1" = 10'

SIGN PLACEMENT PER 2009 MUTCD FIG. 2A-2 A AND LOCATED 8' BEHIND GRAVEL SHOULDER - ASPEN VALLEY ROAD AND FALCON NEST COURT

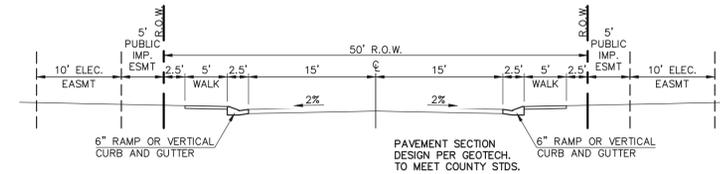


**FUTURE R.O.W. TYPICAL SECONDARY ACCESS ROAD**  
SCALE: 1" = 10'

SECONDARY EMERGENCY ACCESS UP TO ARROYA LANE

SIGN PLACEMENT PER 2009 MUTCD FIG. 2A-2 A AND LOCATED 8' BEHIND GRAVEL SHOULDER

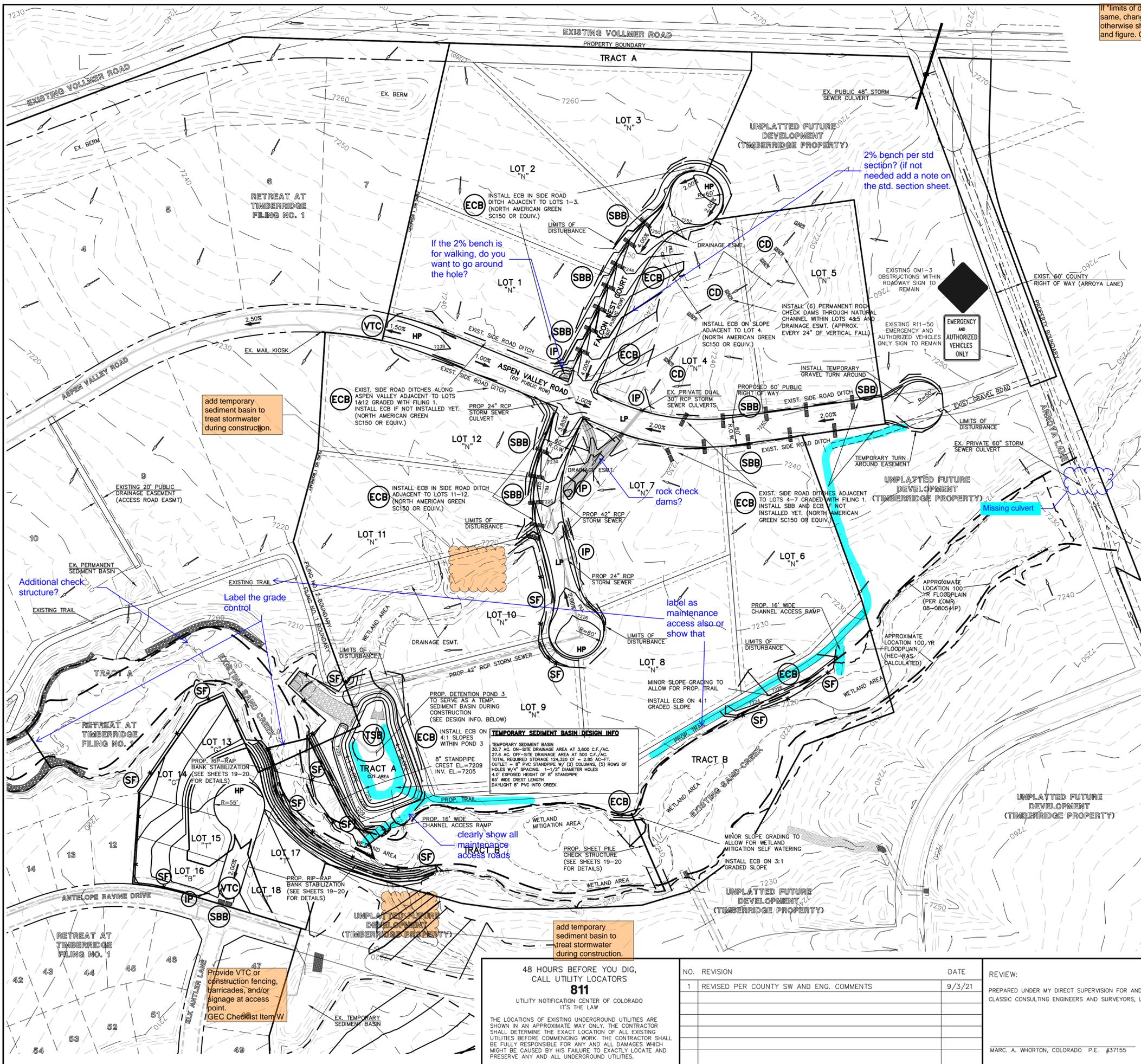
NO ADDITIONAL IMPROVEMENTS REQUIRED AT THIS TIME ON THE EXISTING ARROYA LANE AS IT CURRENTLY FUNCTIONS AS A VIABLE EMERGENCY ACCESS DRIVE PER BLACK FOREST FIRE DISTRICT. FUTURE PLANTING ADJACENT TO ARROYA LANE WILL REQUIRE ADDITIONAL IMPROVEMENTS TO THIS ROADWAY.



**50' R.O.W. TYPICAL URBAN LOCAL CROSS SECTION**  
SCALE: 1" = 10'

-BISON VALLEY TRAIL, ELK ANTLER LANE AND OWL PERCH LOOP

|   |   |              |         |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |             |     |       |      |          |          |     |              |       |         |            |              |         |         |  |
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| <p>48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS</p> <p><b>811</b></p> <p>UTILITY NOTIFICATION CENTER OF COLORADO<br/>IT'S THE LAW</p> <p>THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.</p> | <p>NO. REVISION</p> <table border="1"> <tr><td> </td><td> </td></tr> </table> |              |         |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | <p>DATE</p> <table border="1"> <tr><td> </td><td> </td></tr> </table> |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | <p>REVIEW:</p> <p>PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC</p> <p>MARC A. WHORTON, COLORADO P.E. #37155      DATE</p> |  | <p>RETREAT AT TIMBERRIDGE FILING NO. 2<br/>CONSTRUCTION DRAWINGS<br/>STREET SECTIONS / EROSION CONTROL NOTES</p> <table border="1"> <tr> <td>DESIGNED BY</td> <td>PRA</td> <td>SCALE</td> <td>DATE</td> <td>02-25-21</td> </tr> <tr> <td>DRAWN BY</td> <td>PRA</td> <td>(H) 1" = N/A</td> <td>SHEET</td> <td>2 OF 24</td> </tr> <tr> <td>CHECKED BY</td> <td>(V) 1" = N/A</td> <td>JOB NO.</td> <td colspan="2">1185.20</td> </tr> </table> | DESIGNED BY | PRA | SCALE | DATE | 02-25-21 | DRAWN BY | PRA | (H) 1" = N/A | SHEET | 2 OF 24 | CHECKED BY | (V) 1" = N/A | JOB NO. | 1185.20 |  |
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| DESIGNED BY   | PRA   | SCALE        | DATE    | 02-25-21 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |             |     |       |      |          |          |     |              |       |         |            |              |         |         |  |
| DRAWN BY  | PRA   | (H) 1" = N/A | SHEET   | 2 OF 24  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |             |     |       |      |          |          |     |              |       |         |            |              |         |         |  |
| CHECKED BY  | (V) 1" = N/A  | JOB NO.      | 1185.20 |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |             |     |       |      |          |          |     |              |       |         |            |              |         |         |  |
| <p>619 N. Cascade Avenue, Suite 200<br/>Colorado Springs, Colorado 80903</p> <p>(719) 785-0790<br/>(719) 785-0799 (Fax)</p>   |   |              |         |          |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |             |     |       |      |          |          |     |              |       |         |            |              |         |         |  |



If "limits of disturbance" and "construction boundary" are the same, change to "limits of construction/disturbance" or otherwise show as separate line types for each on the legend and figure. GEC Checklist Item H

| LEGEND                         |  |
|--------------------------------|--|
| LIMIT OF GRADING               | EROSION CONTROL BLANKET (ECB)  |
| WETLAND DELINEATION LINE       | TEMPORARY SEDIMENT BASIN (TSB)   |
| PROPOSED CONTOUR-10            | EXIST. DIRECTION OF FLOW   |
| PROPOSED CONTOUR-2             | DIRECTION OF FLOW  |
| EXISTING CONTOUR-10            | HIGH POINT (H.P.)  |
| EXISTING CONTOUR-2             | LOW POINT (L.P.)   |
| CUT/FILL LINE                  | MODIFIED A LOT (MODIFIED A)  |
| SILT FENCE                     | A LOT (A)  |
| SILT FENCE (SF)                | B LOT (B)  |
| ROCK CHECK DAM (CD)            | WALKOUT LOT (W/O)  |
| VEHICLE TRACKING CONTROL (VTC) | NATURAL LOT (N)  |
| STRAW BALES (SBB)              | TRANSITION LOT (T)   |
| INLET PROTECTION (IP)          | GARDEN LOT (G)   |
|                                | EROSION CONTROL BLANKET (NORTH AMERICAN GREEN - SC150 OR EQUIV.) TO BE INSTALLED ON ALL 3:1 SLOPES OR GREATER  |
|                                | SEEDING/MULCHING NOTE: SEEDING AND MULCHING SHALL BE INSTALLED INSIDE ENTIRE LIMITS OF GRADING EXCLUDING ROADWAY SURFACES, SIDEWALK AREAS AND RIP-RAP AREAS. |

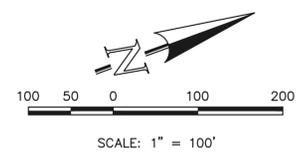
EXISTING VEGETATION: THE MAJORITY OF THE SITE IS COVERED WITH NATIVE GRASSES, YUCCA AND SPARSE PINE TREES.

NOTE: NO BATCH PLANTS ARE PROPOSED ON-SITE.

**BMP PHASING**

- (SF) (INSTALLED PRIOR TO INITIAL PHASE WITH CONTINUED MAINTENANCE DURING INTERIM AND VERTICAL PHASES)
- (VTC) (INSTALLED PRIOR TO INITIAL PHASE WITH CONTINUED MAINTENANCE THROUGH INTERIM AND VERTICAL PHASES)
- (SBB) (INSTALLED DURING INITIAL PHASE WITH CONTINUED MAINTENANCE THROUGH INTERIM AND VERTICAL PHASES)
- (IP) (INSTALLED DURING INTERIM PHASE WITH CONTINUED MAINTENANCE THROUGH VERTICAL PHASE)
- (CD) (INSTALLED DURING INTERIM PHASE WITH CONTINUED MAINTENANCE THROUGH VERTICAL PHASE)
- (ECB) (INSTALLED DURING INTERIM PHASE WITH CONTINUED MAINTENANCE THROUGH VERTICAL PHASE)
- (TSB) (INSTALLED DURING INITIAL PHASE WITH CONTINUED MAINTENANCE THROUGH INTERIM PHASE. CONVERSION TO PERMANENT EDB DURING VERTICAL PHASE)

we have been seeing a lot of blow outs when using straw bales in ditches after a large rain event. consider using straw wattles in lieu of straw bales.



**TEMPORARY SEDIMENT BASIN DESIGN INFO**  
 TEMPORARY SEDIMENT BASIN  
 30.7 AC. ON-SITE DRAINAGE AREA AT 3,000 CF./AC.  
 27.6 AC. OFF-SITE DRAINAGE AREA AT 500 CF./AC.  
 TOTAL REQUIRED STORAGE 124,220 CF. = 2,85 AC.-FT.  
 OUTLET = 8" PVC STANDPIPE W/ (2) COLUMNS, (3) ROWS OF HOLES W/4" SPACING. 1-1/2" DIAMETER HOLES  
 40" EXPOSED HEIGHT OF 8" STANDPIPE  
 65" WIDE CREST LENGTH  
 DAYLIGHT 8" PVC INTO CREEK

48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS  
**811**  
 UTILITY NOTIFICATION CENTER OF COLORADO  
 IT'S THE LAW  
 THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

| NO. | REVISION                                | DATE   |
|-----|---|--------|
| 1   | REVISED PER COUNTY SW AND ENG. COMMENTS | 9/3/21 |

REVIEW:  
 PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC  
 MARC. A. WHORTON, COLORADO P.E. #37155 DATE



RETREAT AT TIMBERRIDGE FILING NO. 2  
 CONSTRUCTION PLANS  
 GRADING & EROSION CONTROL PLAN  
 DESIGNED BY PRA SCALE DATE 02-25-21  
 DRAWN BY PRA (H) 1" = 100' SHEET 3 OF 24  
 CHECKED BY (V) 1" = N/A JOB NO. 1185.20

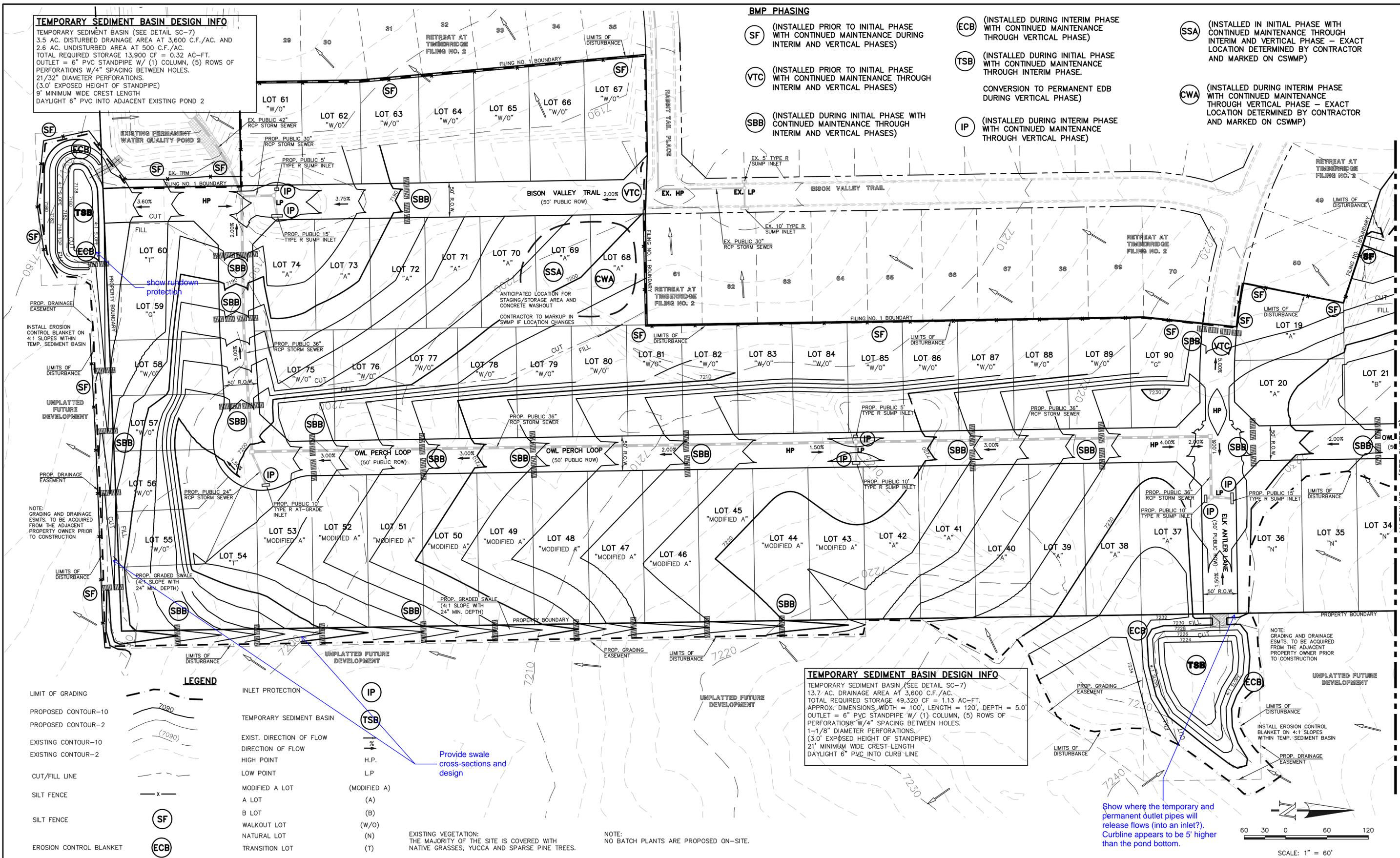
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**TEMPORARY SEDIMENT BASIN DESIGN INFO**

TEMPORARY SEDIMENT BASIN (SEE DETAIL SC-7)  
 3.5 AC. DISTURBED DRAINAGE AREA AT 3,600 C.F./AC. AND  
 2.6 AC. UNDISTURBED AREA AT 500 C.F./AC.  
 TOTAL REQUIRED STORAGE 13,900 CF = 0.32 AC-FT.  
 OUTLET = 6" PVC STANDPIPE W/ (1) COLUMN, (5) ROWS OF  
 PERFORATIONS W/4" SPACING BETWEEN HOLES.  
 21/32" DIAMETER PERFORATIONS.  
 (3.0' EXPOSED HEIGHT OF STANDPIPE)  
 9" MINIMUM WIDE CREST LENGTH  
 DAYLIGHT 6" PVC INTO ADJACENT EXISTING POND 2

**BMP PHASING**

- SF** (INSTALLED PRIOR TO INITIAL PHASE WITH CONTINUED MAINTENANCE DURING INTERIM AND VERTICAL PHASES)
- VTC** (INSTALLED PRIOR TO INITIAL PHASE WITH CONTINUED MAINTENANCE THROUGH INTERIM AND VERTICAL PHASES)
- SBB** (INSTALLED DURING INITIAL PHASE WITH CONTINUED MAINTENANCE THROUGH INTERIM AND VERTICAL PHASES)
- ECB** (INSTALLED DURING INTERIM PHASE WITH CONTINUED MAINTENANCE THROUGH VERTICAL PHASE)
- TSB** (INSTALLED DURING INITIAL PHASE WITH CONTINUED MAINTENANCE THROUGH INTERIM PHASE)
- IP** (INSTALLED DURING INTERIM PHASE WITH CONTINUED MAINTENANCE THROUGH VERTICAL PHASE)
- SSA** (INSTALLED IN INITIAL PHASE WITH CONTINUED MAINTENANCE THROUGH INTERIM AND VERTICAL PHASE - EXACT LOCATION DETERMINED BY CONTRACTOR AND MARKED ON CSWMP)
- CWA** (INSTALLED DURING INTERIM PHASE WITH CONTINUED MAINTENANCE THROUGH VERTICAL PHASE - EXACT LOCATION DETERMINED BY CONTRACTOR AND MARKED ON CSWMP)



NOTE: GRADING AND DRAINAGE ESMTS. TO BE ACQUIRED FROM THE ADJACENT PROPERTY OWNER PRIOR TO CONSTRUCTION

NOTE: GRADING AND DRAINAGE ESMTS. TO BE ACQUIRED FROM THE ADJACENT PROPERTY OWNER PRIOR TO CONSTRUCTION

**LEGEND**

- LIMIT OF GRADING
- PROPOSED CONTOUR-10
- PROPOSED CONTOUR-2
- EXISTING CONTOUR-10
- EXISTING CONTOUR-2
- CUT/FILL LINE
- SILT FENCE
- SILT FENCE
- EROSION CONTROL BLANKET
- VEHICLE TRACKING CONTROL
- STRAW BALES
- INLET PROTECTION
- TEMPORARY SEDIMENT BASIN
- EXIST. DIRECTION OF FLOW
- DIRECTION OF FLOW
- HIGH POINT
- LOW POINT
- MODIFIED A LOT (MODIFIED A)
- A LOT (A)
- B LOT (B)
- WALKOUT LOT (W/O)
- NATURAL LOT (N)
- TRANSITION LOT (T)
- GARDEN LOT (G)
- EROSION CONTROL BLANKET (NORTH AMERICAN GREEN - SC150 OR EQUIVALENT) TO BE INSTALLED ON ALL 3:1 SLOPES OR GREATER

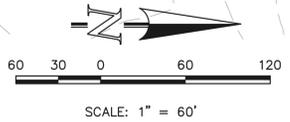
EXISTING VEGETATION: THE MAJORITY OF THE SITE IS COVERED WITH NATIVE GRASSES, YUCCA AND SPARSE PINE TREES.

NOTE: NO BATCH PLANTS ARE PROPOSED ON-SITE.

**TEMPORARY SEDIMENT BASIN DESIGN INFO**

TEMPORARY SEDIMENT BASIN (SEE DETAIL SC-7)  
 13.7 AC. DRAINAGE AREA AT 3,600 C.F./AC.  
 TOTAL REQUIRED STORAGE 49,320 CF = 1.13 AC-FT.  
 APPROX. DIMENSIONS WIDTH = 100', LENGTH = 120', DEPTH = 5.0'  
 OUTLET = 6" PVC STANDPIPE W/ (1) COLUMN, (5) ROWS OF  
 PERFORATIONS W/4" SPACING BETWEEN HOLES.  
 1-1/8" DIAMETER PERFORATIONS.  
 (3.0' EXPOSED HEIGHT OF STANDPIPE)  
 21" MINIMUM WIDE CREST LENGTH  
 DAYLIGHT 6" PVC INTO CURB LINE

Show where the temporary and permanent outlet pipes will release flows (into an inlet?). Curbs appear to be 5' higher than the pond bottom.



| <p>48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS</p> <p><b>811</b></p> <p>UTILITY NOTIFICATION CENTER OF COLORADO<br/>IT'S THE LAW</p> <p>THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.</p> | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>NO.</th> <th>REVISION</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>REVISED PER COUNTY SW AND ENG. COMMENTS</td> <td>9/2/21</td> </tr> </tbody> </table> | NO.          | REVISION | DATE     | 1 | REVISED PER COUNTY SW AND ENG. COMMENTS | 9/2/21 | <p>REVIEW:</p> <p>PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC</p> <p>MARC. A. WHORTON, COLORADO P.E. #37155      DATE</p> | <p><b>CLASSIC CONSULTING</b></p> | <p>RETREAT AT TIMBERIDGE FILING NO. 2</p> <p>CONSTRUCTION PLANS</p> <p>GRADING &amp; EROSION CONTROL PLAN</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>DESIGNED BY</td> <td>PRA</td> <td>SCALE</td> <td>DATE</td> <td>02-25-21</td> </tr> <tr> <td>DRAWN BY</td> <td>PRA</td> <td>(H) 1" = 60'</td> <td>SHEET</td> <td>4 OF 24</td> </tr> <tr> <td>CHECKED BY</td> <td>(V) 1" = N/A</td> <td>JOB NO.</td> <td colspan="2">1185.20</td> </tr> </table> | DESIGNED BY | PRA | SCALE | DATE | 02-25-21 | DRAWN BY | PRA | (H) 1" = 60' | SHEET | 4 OF 24 | CHECKED BY | (V) 1" = N/A | JOB NO. | 1185.20 |  |
|---|--|--------------|----------|----------|---|---|--------|---|----------------------------------|--|-------------|-----|-------|------|----------|----------|-----|--------------|-------|---------|------------|--------------|---------|---------|--|
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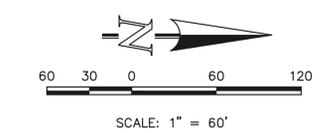
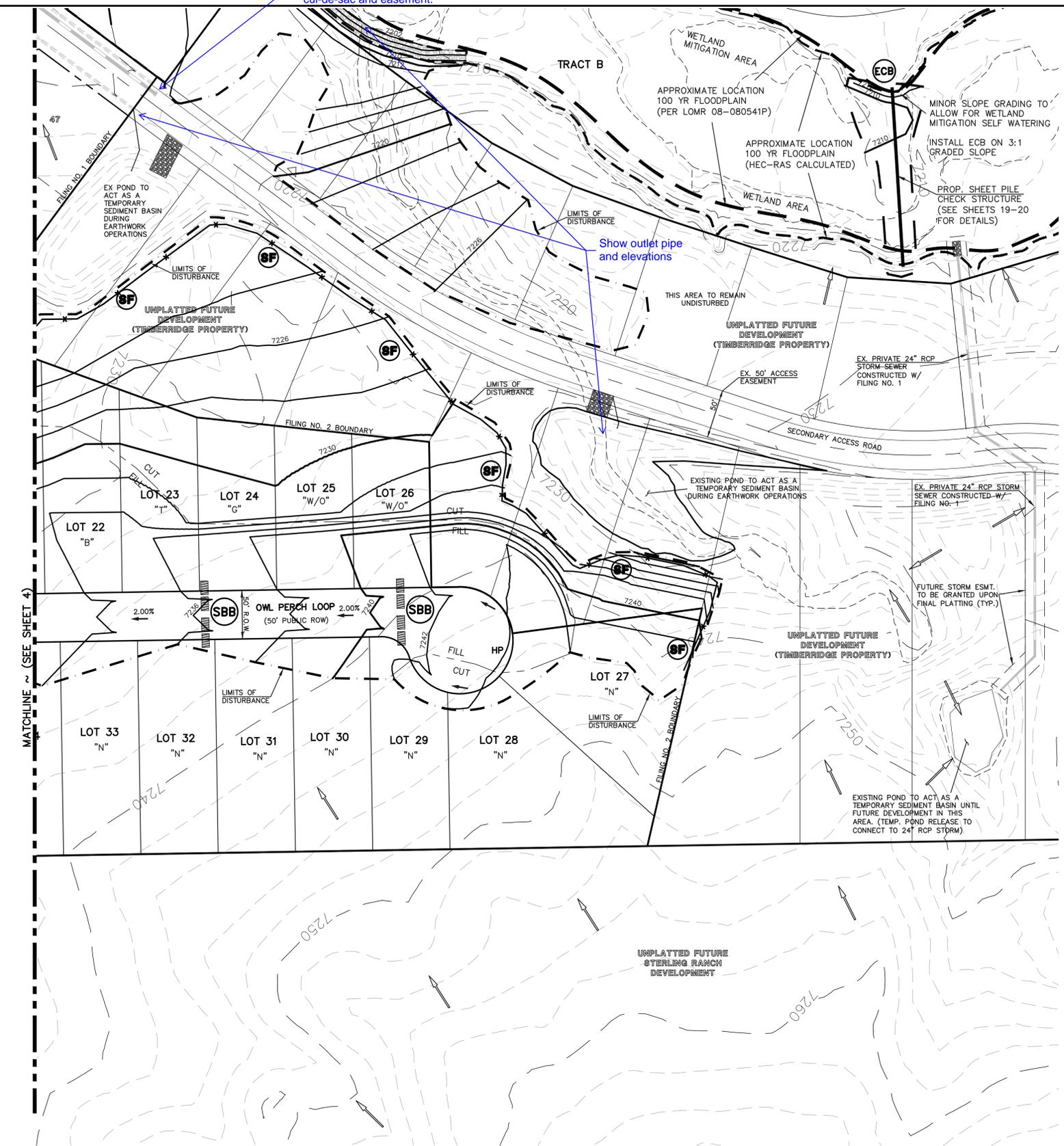
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Show the temporary cul-de-sac and easement.

Show outlet pipe and elevations

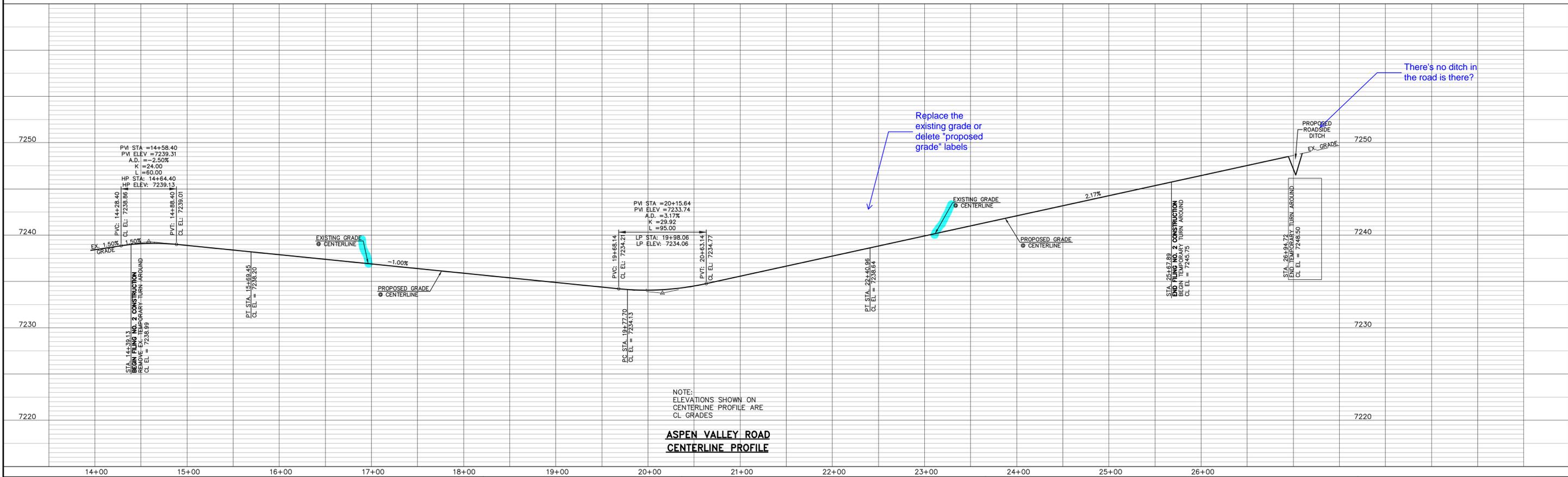
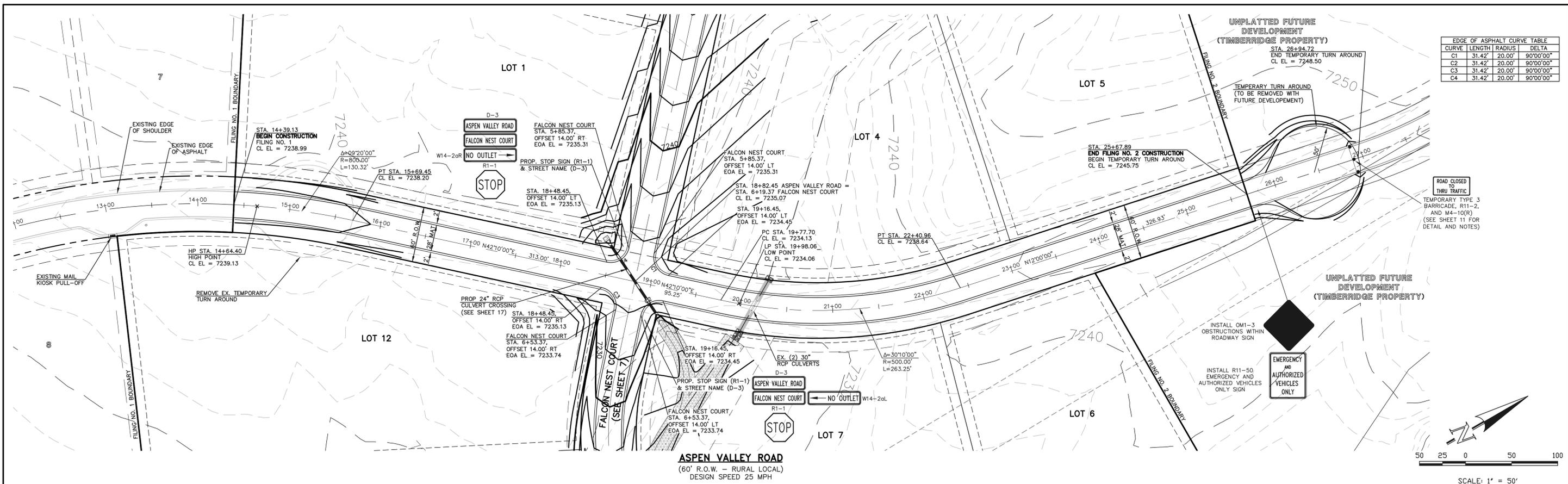
- BMP PHASING**
- SILT FENCE OR COMPACT BERM — x — (SF) (INSTALLED PRIOR TO INITIAL PHASE WITH CONTINUED MAINTENANCE DURING INTERIM AND VERTICAL PHASES)
  - VEHICLE TRACKING CONTROL (VTC) (INSTALLED PRIOR TO INITIAL PHASE WITH CONTINUED MAINTENANCE THROUGH INTERIM AND VERTICAL PHASES)
  - ROCK CHECK DAM (CD) (INSTALLED DURING INITIAL PHASE WITH CONTINUED MAINTENANCE THROUGH INTERIM AND VERTICAL PHASES)
  - STABILIZED STORAGE AREA (SSA) (INSTALLED IN INITIAL PHASE WITH CONTINUED MAINTENANCE THROUGH INTERIM AND VERTICAL PHASE — EXACT LOCATION DETERMINED BY CONTRACTOR AND MARKED ON CSWMP)
  - INLET PROTECTION (IP) (INSTALLED DURING INTERIM PHASE WITH CONTINUED MAINTENANCE THROUGH VERTICAL PHASE)
  - EROSION CONTROL BLANKET (ECB) (INSTALLED DURING INTERIM PHASE WITH CONTINUED MAINTENANCE THROUGH VERTICAL PHASE)
  - TEMPORARY SEDIMENT BASIN (TSB-1) (INITIAL AND INTERIM PHASE WITH CONVERSION TO PERMANENT EDB DURING INTERIM PHASE)
  - CONCRETE WASHOUT AREA (CWA) (INSTALLED DURING INTERIM PHASE WITH CONTINUED MAINTENANCE THROUGH VERTICAL PHASE — EXACT LOCATION DETERMINED BY CONTRACTOR AND MARKED ON CSWMP)

- LEGEND**
- LIMIT OF GRADING
  - CUT/FILL LINE
  - PROPOSED CONTOUR-10
  - PROPOSED CONTOUR-2
  - EXISTING CONTOUR-10
  - EXISTING CONTOUR-2
  - CUT/FILL LINE
  - SILT FENCE
  - SILT FENCE (SF)
  - SEEDING/MULCHING (SM)
  - ROCK CHECK DAM (CD)
  - VEHICLE TRACKING CONTROL (VTC)
  - STRAW BALES (SBB)
  - INLET PROTECTION (IP)
  - EROSION CONTROL BLANKET (ECB)
  - TURF REINFORCEMENT MAT (NORTH AMERICAN GREEN — ROLLMAX P300 OR EQUIV.) (TRM)
  - TEMPORARY SEDIMENT BASIN (TSB)
  - EXIST. DIRECTION OF FLOW
  - DIRECTION OF FLOW
  - HIGH POINT (H.P.)
  - LOW POINT (L.P.)
  - MODIFIED A LOT (MODIFIED A)
  - A LOT (A)
  - B LOT (B)
  - WALKOUT LOT (W/O)
  - NATURAL LOT (N)
  - TRANSITION LOT (T)
  - GARDEN LOT (G)
  - EROSION CONTROL BLANKET (NORTH AMERICAN GREEN — SC150 OR EQUIVALENT) TO BE INSTALLED ON ALL 3:1 SLOPES OR GREATER
  - SEEDING/MULCHING NOTE: SEEDING AND MULCHING SHALL BE INSTALLED INSIDE ENTIRE LIMITS OF GRADING EXCLUDING ROADWAY SURFACES, SIDEWALK AREAS AND RIP-RAP AREAS.



| <p>48 HOURS BEFORE YOU DIG,<br/>CALL UTILITY LOCATORS<br/><b>811</b><br/>UTILITY NOTIFICATION CENTER OF COLORADO<br/>IT'S THE LAW</p> <p>THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.</p> | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>NO.</th> <th>REVISION</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>REVISED PER COUNTY SW AND ENG. COMMENTS</td> <td>9/3/21</td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table> | NO.          | REVISION | DATE     | 1 | REVISED PER COUNTY SW AND ENG. COMMENTS | 9/3/21 |  |  |  |  |  |  |  |  |  | <p>REVIEW:</p> <p>PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC</p> <p>MARC A. WHORTON, COLORADO P.E. #37155      DATE</p> | <p><b>CLASSIC CONSULTING</b><br/>SM</p> <p>619 N. Cascade Avenue, Suite 200<br/>Colorado Springs, Colorado 80903<br/>(719) 785-0790<br/>(719) 785-0799 (Fax)</p> | <p><b>RETREAT AT TIMBERRIDGE FILING NO. 2</b><br/><b>CONSTRUCTION PLANS</b><br/>GRADING &amp; EROSION CONTROL PLAN</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>DESIGNED BY</td> <td>PRA</td> <td>SCALE</td> <td>DATE</td> <td>02-25-21</td> </tr> <tr> <td>DRAWN BY</td> <td>PRA</td> <td>(H) 1" = 60'</td> <td>SHEET</td> <td>5 OF 24</td> </tr> <tr> <td>CHECKED BY</td> <td>(V)</td> <td>1" = N/A</td> <td>JOB NO.</td> <td>1185.20</td> </tr> </table> | DESIGNED BY | PRA | SCALE | DATE | 02-25-21 | DRAWN BY | PRA | (H) 1" = 60' | SHEET | 5 OF 24 | CHECKED BY | (V) | 1" = N/A | JOB NO. | 1185.20 |
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|   |  |              |          |          |   |   |        |  |  |  |  |  |  |  |  |  |  |  |  |             |     |       |      |          |          |     |              |       |         |            |     |          |         |         |
|   |  |              |          |          |   |   |        |  |  |  |  |  |  |  |  |  |  |  |  |             |     |       |      |          |          |     |              |       |         |            |     |          |         |         |
|   |  |              |          |          |   |   |        |  |  |  |  |  |  |  |  |  |  |  |  |             |     |       |      |          |          |     |              |       |         |            |     |          |         |         |
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N:\118520\DRAWINGS\CONSTRUCTION\05-118520-GR-04.dwg, 10/25/2021 9:46:22 AM, 1:1



48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS **811** UTILITY NOTIFICATION CENTER OF COLORADO IT'S THE LAW

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| NO. | REVISION                    | DATE     |
|-----|-----------------------------|----------|
| 1   | REVISED PER COUNTY COMMENTS | 09-09-21 |

REVIEW: PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

MARC A. WHORTON, COLORADO P.E. #37155 DATE

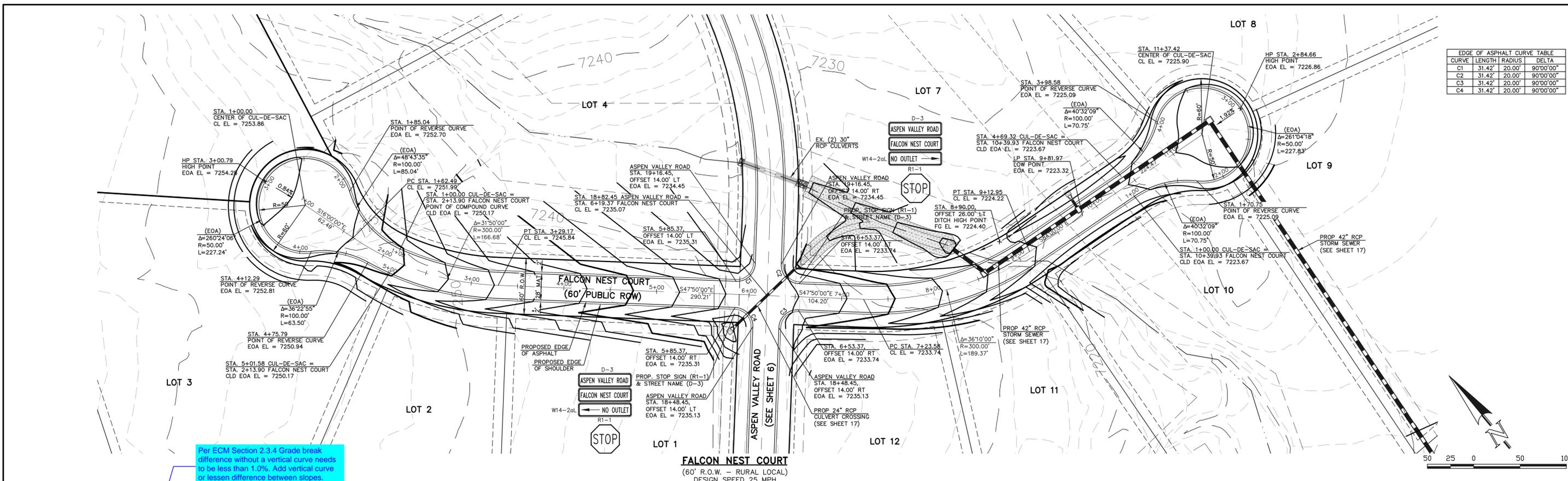
RETRAIT AT TIMBERIDGE FILING NO. 2  
CONSTRUCTION PLANS  
STREET IMPROVEMENT PLANS  
ASPIEN VALLEY ROAD

DESIGNED BY PRA SCALE DATE 02-25-21  
DRAWN BY PRA (H) 1" = 50' SHEET 6 OF 24  
CHECKED BY (V) 1" = 5' JOB NO. 1185.20

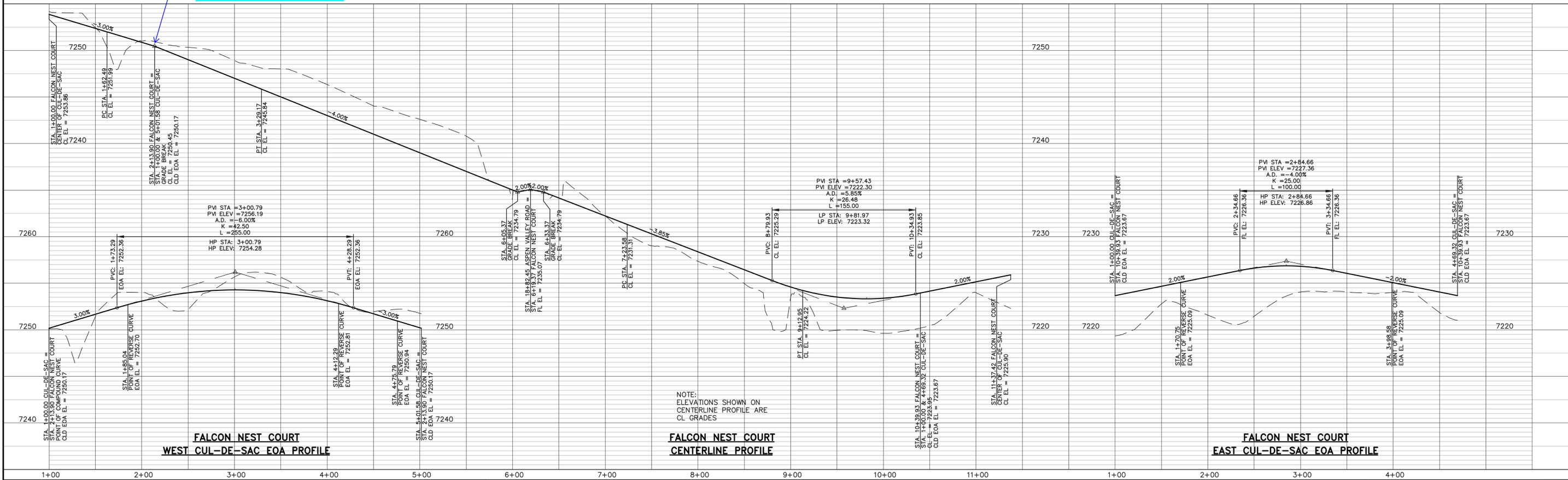


CLASSIC CONSULTING

| CURVE | LENGTH | RADIUS | DELTA     |
|-------|--------|--------|-----------|
| C1    | 31.42' | 20.00' | 90°00'00" |
| C2    | 31.42' | 20.00' | 90°00'00" |
| C3    | 31.42' | 20.00' | 90°00'00" |
| C4    | 31.42' | 20.00' | 90°00'00" |



Per ECM Section 2.3.4 Grade break difference without a vertical curve needs to be less than 1.0%. Add vertical curve or lessen difference between slopes.



**FALCON NEST COURT WEST CUL-DE-SAC EOA PROFILE**

1+00 2+00 3+00 4+00

**FALCON NEST COURT CENTERLINE PROFILE**

1+00 2+00 3+00 4+00

**FALCON NEST COURT EAST CUL-DE-SAC EOA PROFILE**

1+00 2+00 3+00 4+00

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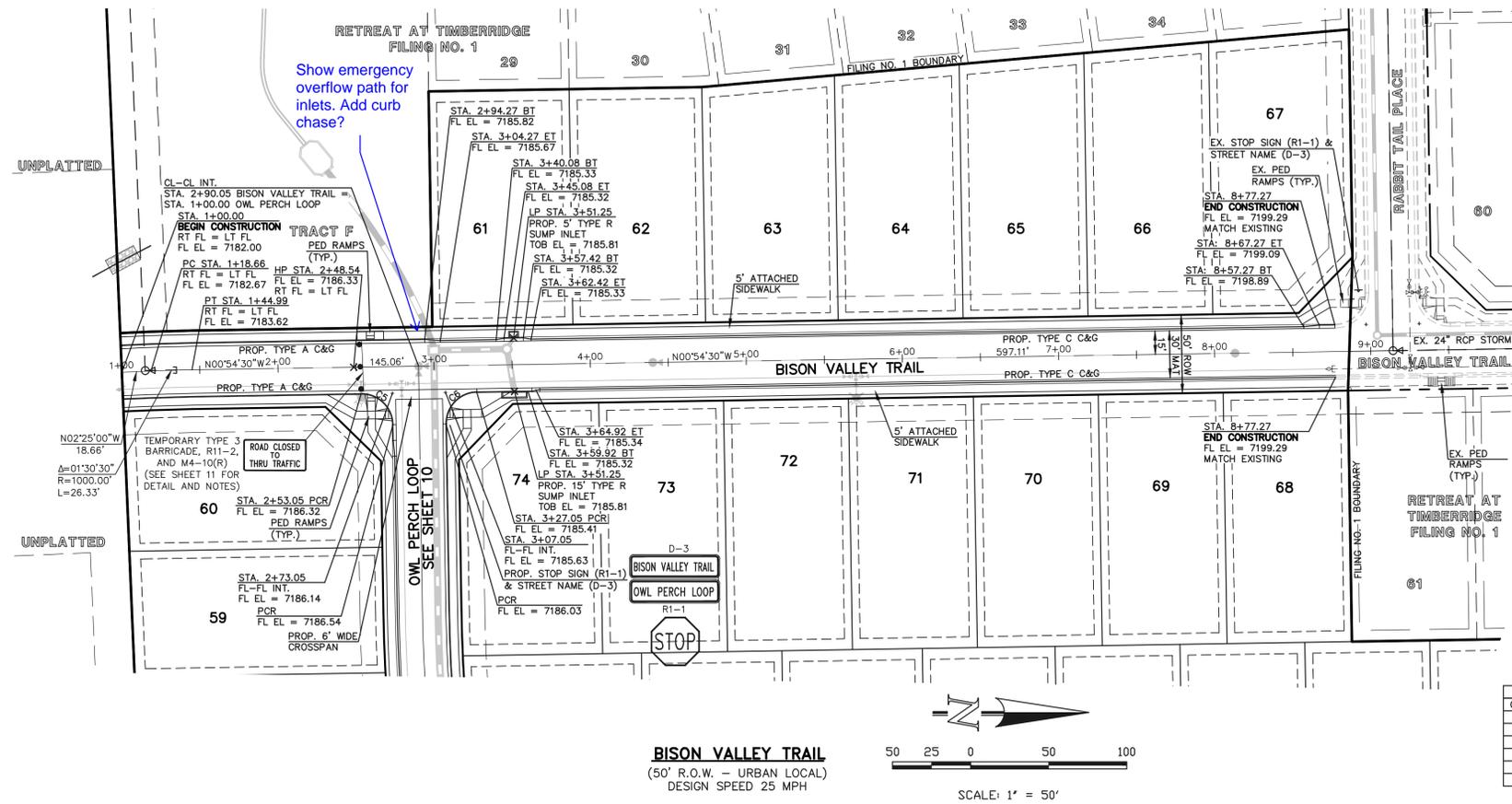
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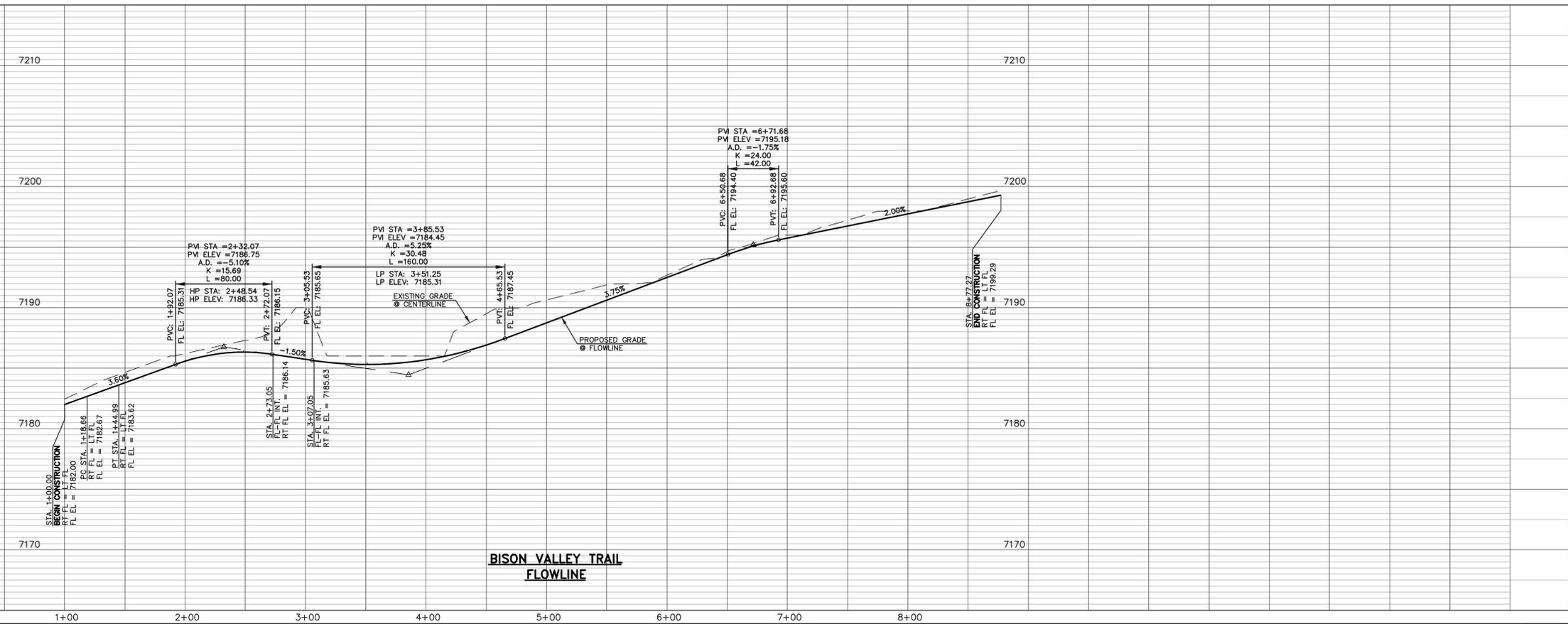


RETREAT AT TIMBERIDGE FILING NO. 2  
CONSTRUCTION PLANS  
STREET IMPROVEMENT PLANS  
FALCON NEST COURT

|             |             |              |         |          |
|-------------|-------------|--------------|---------|----------|
| DESIGNED BY | PRA         | SCALE        | DATE    | 02-25-21 |
| DRAWN BY    | PRA         | (H) 1" = 50' | SHEET   | 7 OF 24  |
| CHECKED BY  | (V) 1" = 5' | JOB NO.      | 1185.20 |          |



| CONCRETE CURB CURVE TABLE |        |        |           |
|---------------------------|--------|--------|-----------|
| CURVE                     | LENGTH | RADIUS | DELTA     |
| C5                        | 31.42' | 20.00' | 90°00'00" |
| C6                        | 31.42' | 20.00' | 90°00'00" |
| C7                        | 31.42' | 20.00' | 90°00'00" |
| C8                        | 31.42' | 20.00' | 90°00'00" |
| C9                        | 31.42' | 20.00' | 90°00'00" |
| C10                       | 31.42' | 20.00' | 90°00'00" |



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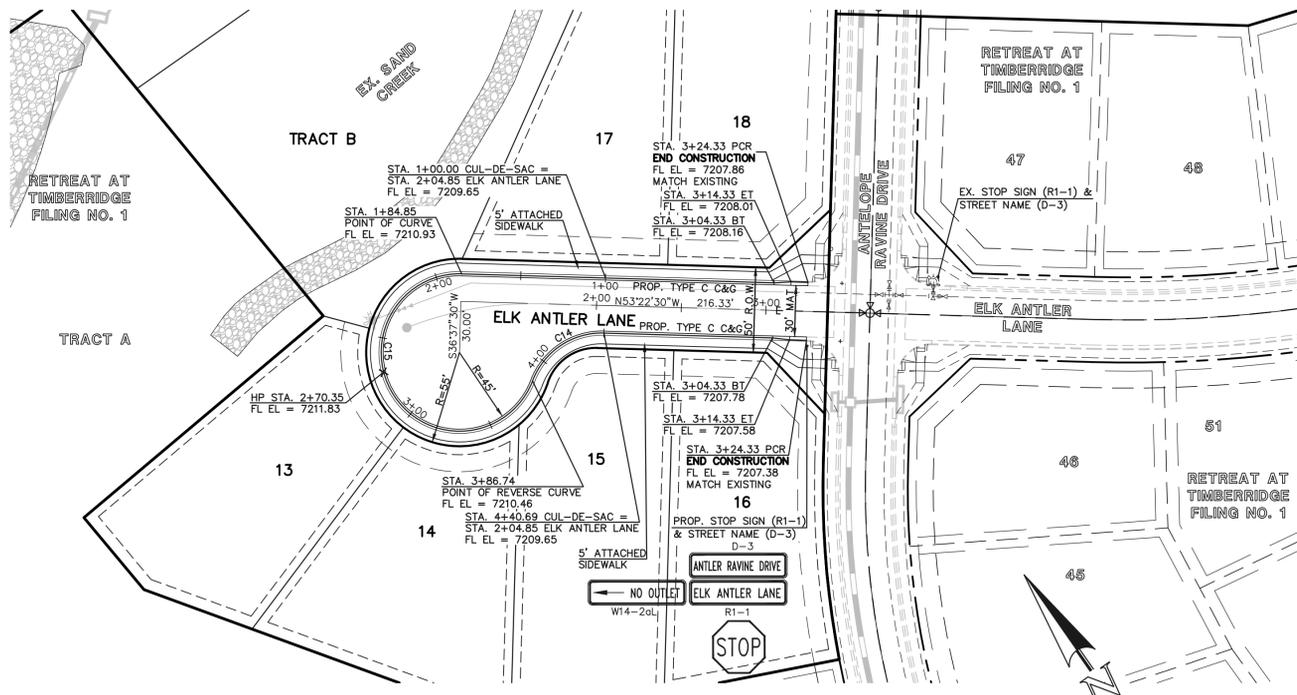
MARC A. WHORTON, COLORADO P.E. #37155



RETREAT AT TIMBERIDGE FILING NO. 2  
CONSTRUCTION PLANS  
STREET IMPROVEMENT PLANS  
BISON VALLEY TRAIL

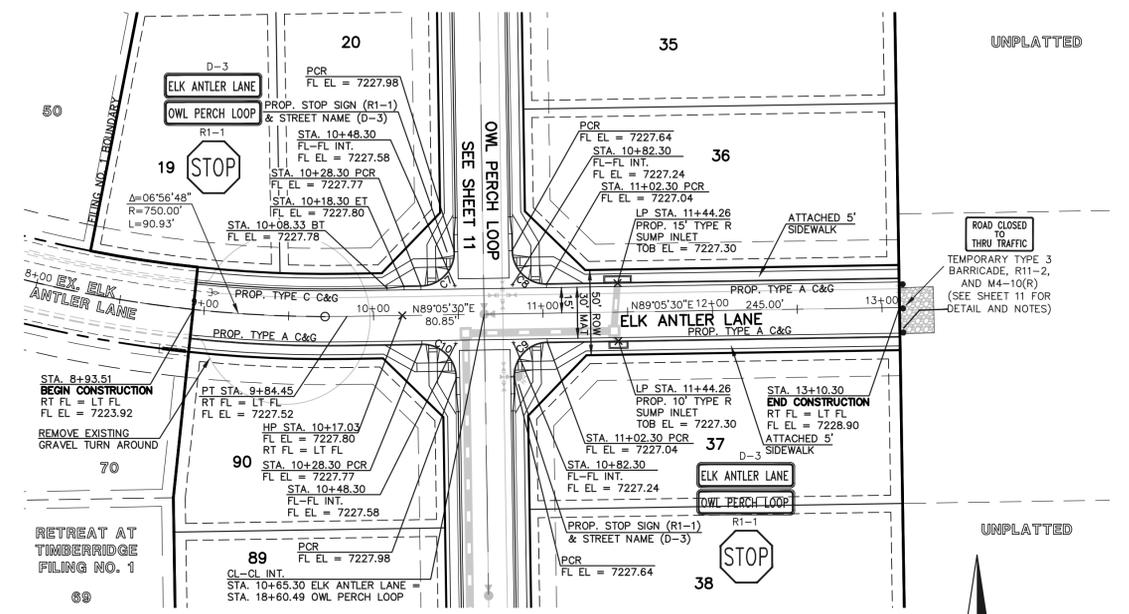
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619 N. Cascade Avenue, Suite 200  
Colorado Springs, Colorado 80903  
(719) 785-0790  
(719) 785-0799 (Fax)

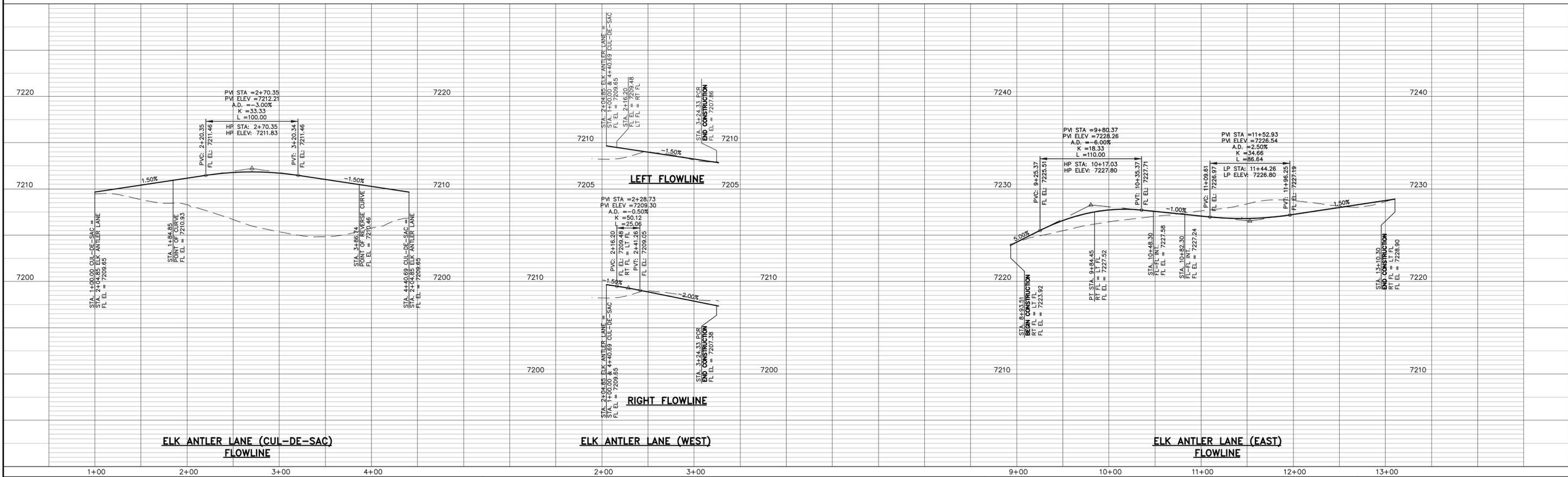


**ELK ANTLER LANE (WEST)**  
 (50' R.O.W. - URBAN LOCAL)  
 DESIGN SPEED 25 MPH  
 SCALE: 1" = 50'

| CURVE | LENGTH  | RADIUS | DELTA      |
|-------|---------|--------|------------|
| C7    | 31.42'  | 20.00' | 90°00'00"  |
| C8    | 31.42'  | 20.00' | 90°00'00"  |
| C9    | 31.42'  | 20.00' | 90°00'00"  |
| C10   | 31.42'  | 20.00' | 90°00'00"  |
| C14   | 53.95'  | 43.83' | 70°31'44"  |
| C15   | 201.88' | 46.17' | 250°31'38" |



**ELK ANTLER LANE (EAST)**  
 (50' R.O.W. - URBAN LOCAL)  
 DESIGN SPEED 25 MPH  
 SCALE: 1" = 50'



**ELK ANTLER LANE (CUL-DE-SAC) FLOWLINE**

**ELK ANTLER LANE (WEST) LEFT FLOWLINE**

**ELK ANTLER LANE (WEST) RIGHT FLOWLINE**

**ELK ANTLER LANE (EAST) FLOWLINE**

48 HOURS BEFORE YOU DIG,  
CALL UTILITY LOCATORS

**811**  
UTILITY NOTIFICATION CENTER OF COLORADO  
IT'S THE LAW

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| NO. | REVISION | DATE |
|-----|----------|------|
|     |          |      |

REVIEW:

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

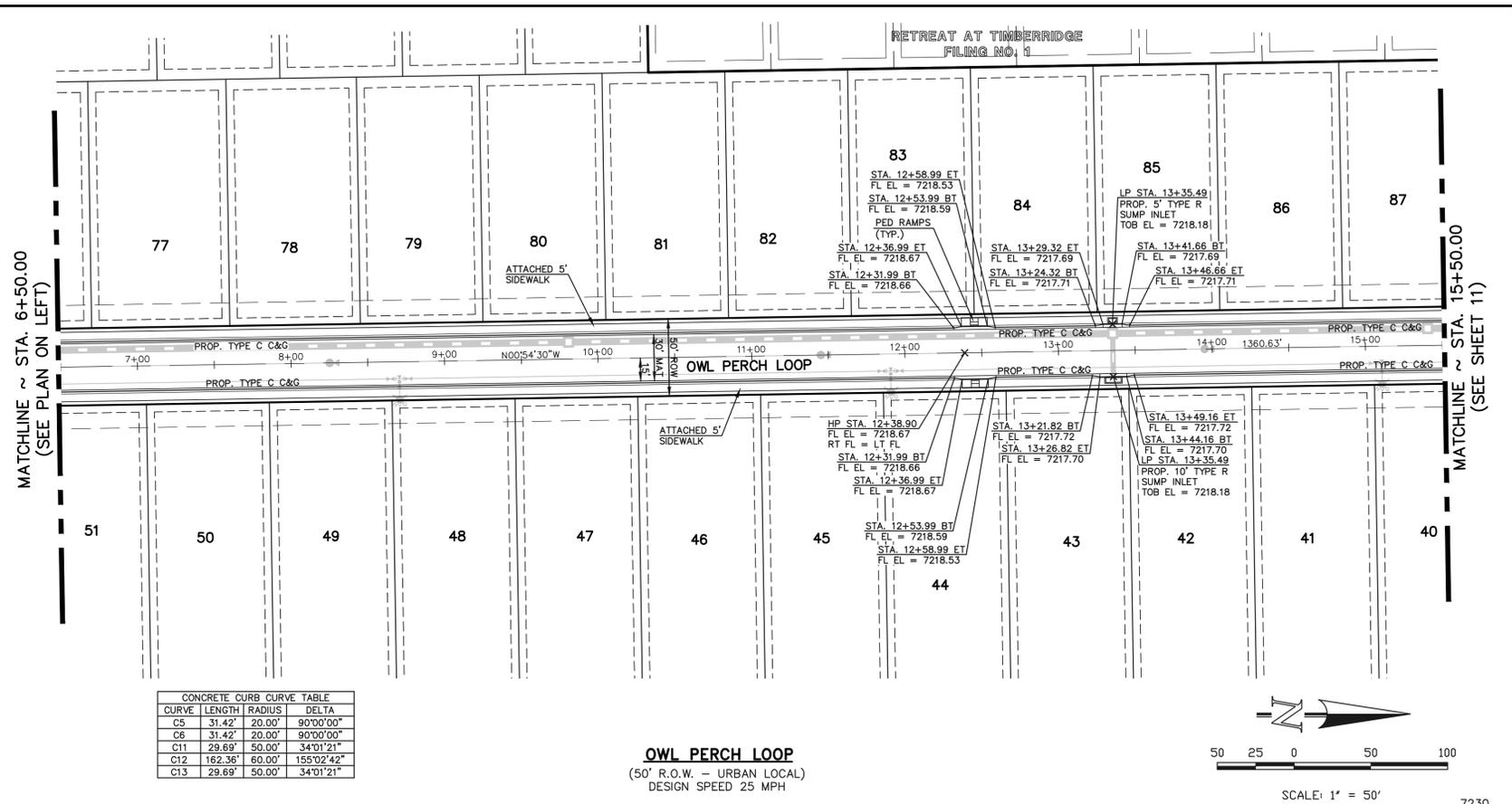
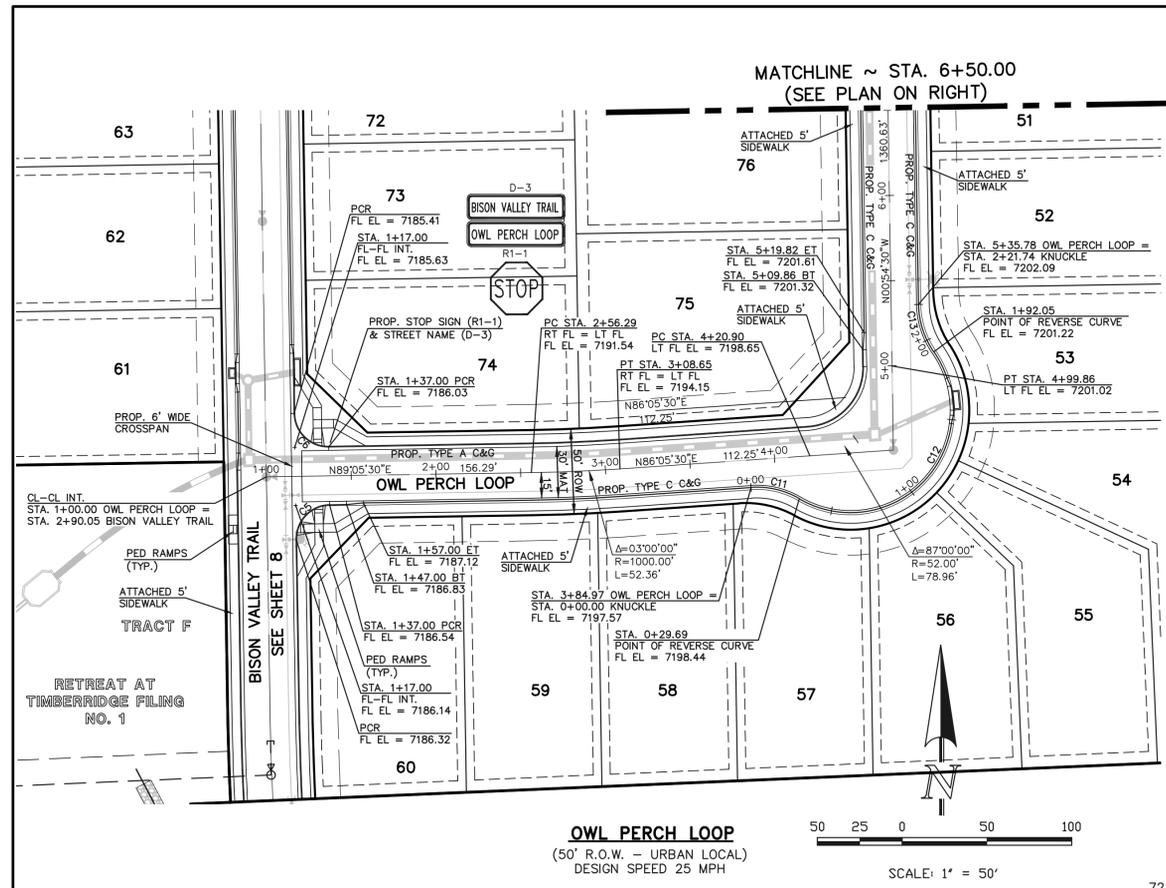
MARC A. WHORTON, COLORADO P.E. #37155      DATE

**CLASSIC CONSULTING**

619 N. Cascade Avenue, Suite 200  
Colorado Springs, Colorado 80903      (719) 785-0790  
(719) 785-0799 (Fax)

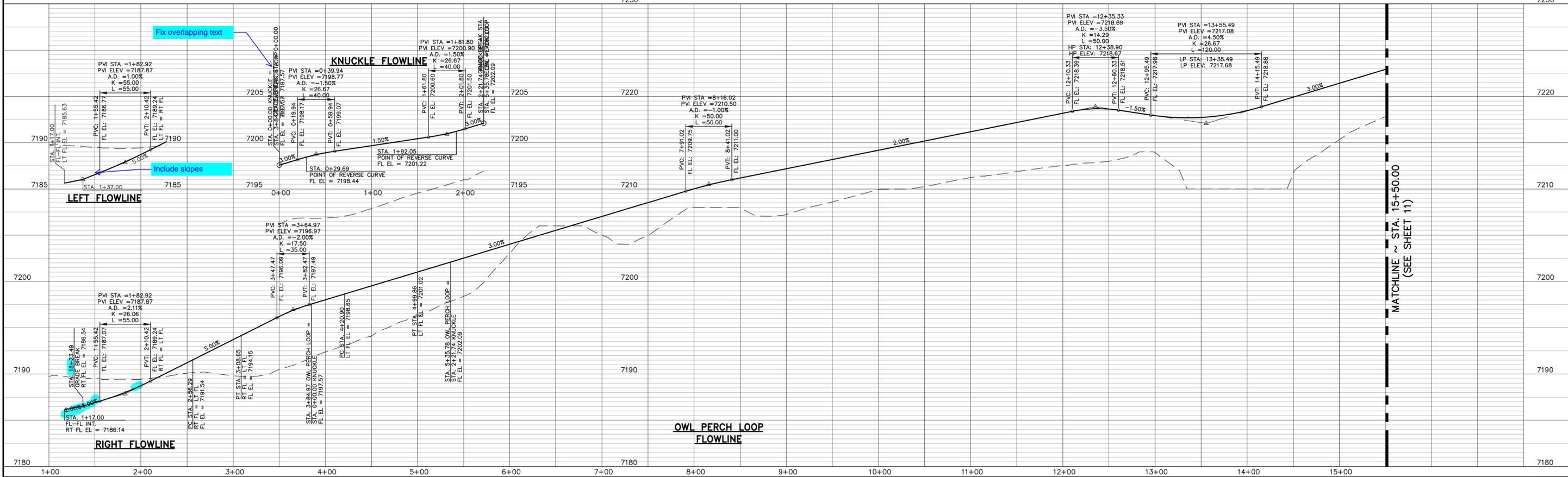
**RETREAT AT TIMBERIDGE FILING NO. 2**  
CONSTRUCTION PLANS  
STREET IMPROVEMENT PLANS  
ELK ANTLER LANE

|             |             |              |         |          |
|-------------|-------------|--------------|---------|----------|
| DESIGNED BY | PRA         | SCALE        | DATE    | 02-25-21 |
| DRAWN BY    | PRA         | (H) 1" = 50' | SHEET   | 9 OF 24  |
| CHECKED BY  | (V) 1" = 5' | JOB NO.      | 1185.20 |          |



CONCRETE CURB CURVE TABLE

| CURVE | LENGTH  | RADIUS | DELTA      |
|-------|---------|--------|------------|
| C5    | 31.42'  | 20.00' | 90°00'00"  |
| C6    | 31.42'  | 20.00' | 90°00'00"  |
| C11   | 29.69'  | 50.00' | 34°01'21"  |
| C12   | 162.36' | 60.00' | 155°02'42" |
| C13   | 29.69'  | 50.00' | 34°01'21"  |



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| NO. | REVISION | DATE |
|-----|----------|------|
|     |          |      |
|     |          |      |

REVIEW:

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MARC A. WHORTON, COLORADO P.E. #37155 DATE

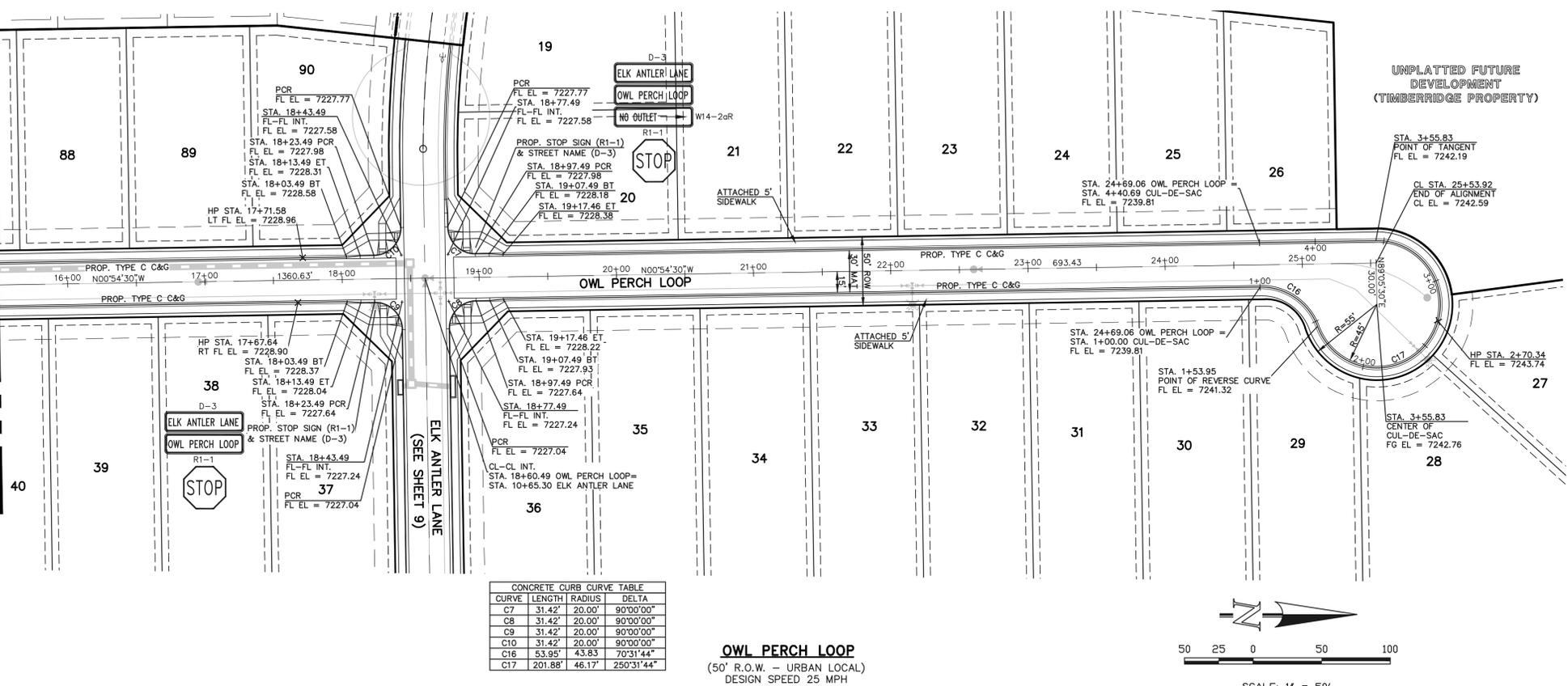


RETREAT AT TIMBERIDGE FILING NO. 2  
CONSTRUCTION PLANS  
STREET IMPROVEMENT PLANS  
OWL PERCH LOOP

DESIGNED BY PRA SCALE DATE 02-25-21  
 DRAWN BY PRA (H) 1" = 50' SHEET 10 OF 24  
 CHECKED BY (V) 1" = 5' JOB NO. 1185.20

MATCHLINE ~ STA. 15+50.00  
(SEE SHEET 10)

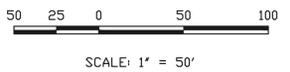
MATCHLINE ~ STA. 15+50.00  
(SEE SHEET 10)



CONCRETE CURB CURVE TABLE

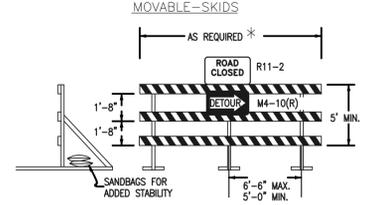
| CURVE | LENGTH  | RADIUS | DELTA      |
|-------|---------|--------|------------|
| C7    | 31.42'  | 20.00' | 90°00'00"  |
| C8    | 31.42'  | 20.00' | 90°00'00"  |
| C9    | 31.42'  | 20.00' | 90°00'00"  |
| C10   | 31.42'  | 20.00' | 90°00'00"  |
| C16   | 53.95'  | 43.83' | 70°31'44"  |
| C17   | 201.88' | 46.17' | 250°31'44" |

**OWL PERCH LOOP**  
(50' R.O.W. - URBAN LOCAL)  
DESIGN SPEED 25 MPH

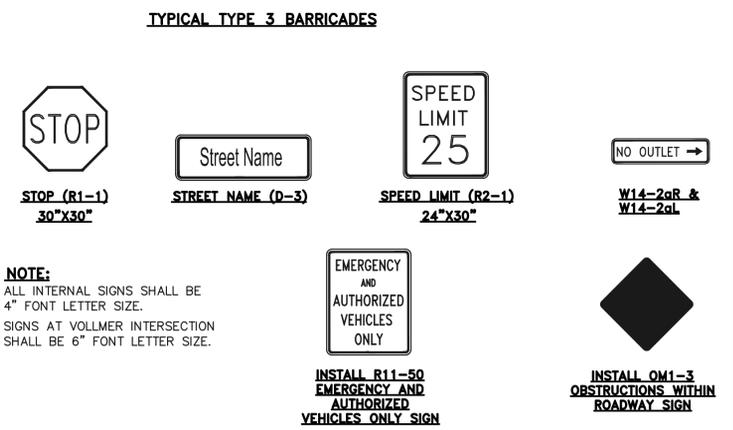


RAIL LENGTH TABLE \*

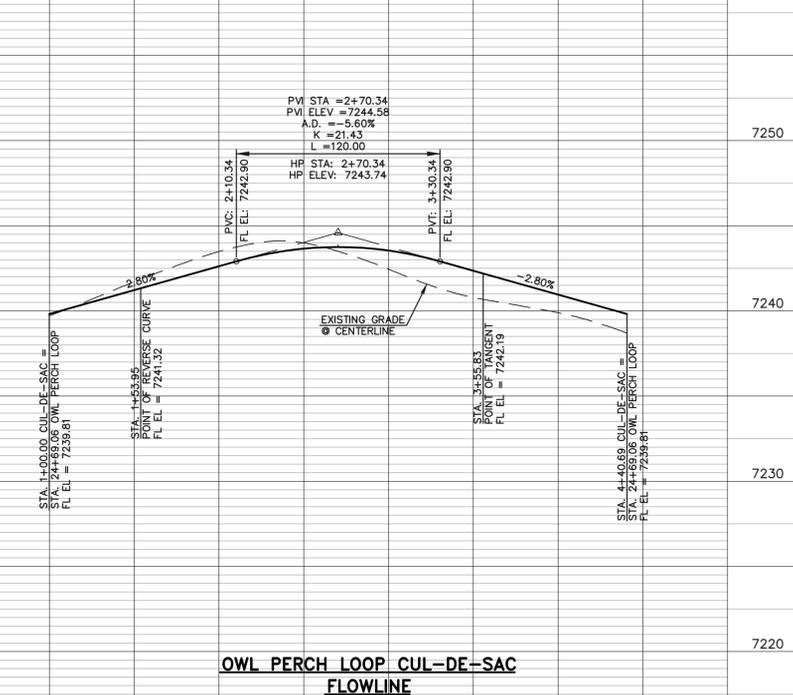
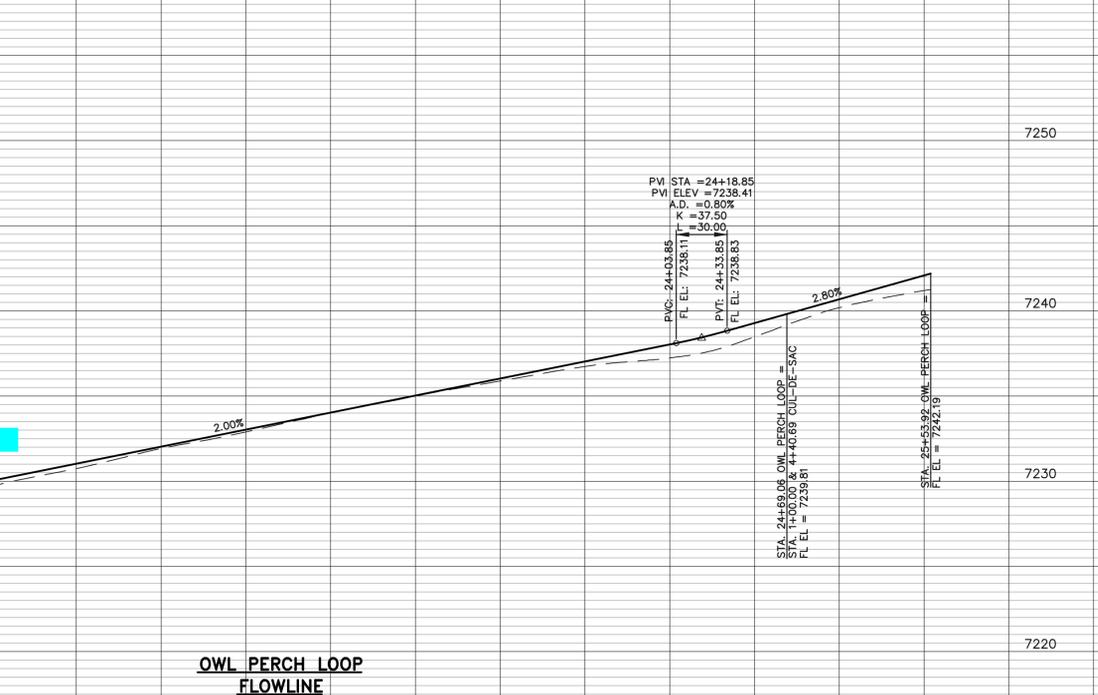
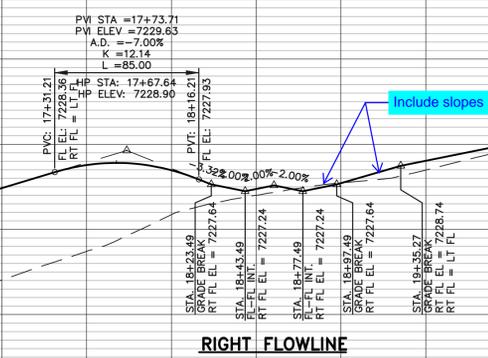
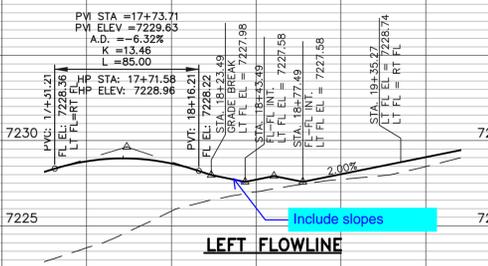
| TYPE 3 BARRICADE |         | LENGTH    |
|------------------|---------|-----------|
| FIXED            | MOVABLE |           |
| F - A            | M - A   | 8' - 14'  |
| F - B            | M - B   | 15' - 24' |
| F - C            | M - C   | 25' - 35' |
| F - D            | M - D   | > 35'     |



- NOTES**
- TYPE 3 BARRICADES HAVE 3 REFLECTORIZED RAIL FACES IF FACING TRAFFIC IN ONE DIRECTION AND 6 IF FACING TRAFFIC IN TWO DIRECTIONS.
  - THE PORTION OF THE POST ABOVE THE GROUND LINE SHALL BE PAINTED IN ACCORDANCE WITH THE APPROPRIATE GENERAL NOTE.
  - DETACHABLE EXTENSION WING RAILS FOR BYPASSING OF CONSTRUCTION EQUIPMENT ARE PERMITTED, WHEN NECESSARY, ON FIXED OR MOVABLE TYPE 3 BARRICADES. THE LENGTH SHALL BE ADEQUATE TO CLOSE THE SHOULDER AS REQUIRED.



**NOTE:**  
ALL INTERNAL SIGNS SHALL BE 4" FONT LETTER SIZE.  
SIGNS AT VOLLMER INTERSECTION SHALL BE 6" FONT LETTER SIZE.



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| NO. | REVISION                    | DATE     |
|-----|-----------------------------|----------|
| 1   | REVISED PER COUNTY COMMENTS | 09-10-21 |

REVIEW:  
PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

MARC A. WHORTON, COLORADO P.E. #37155

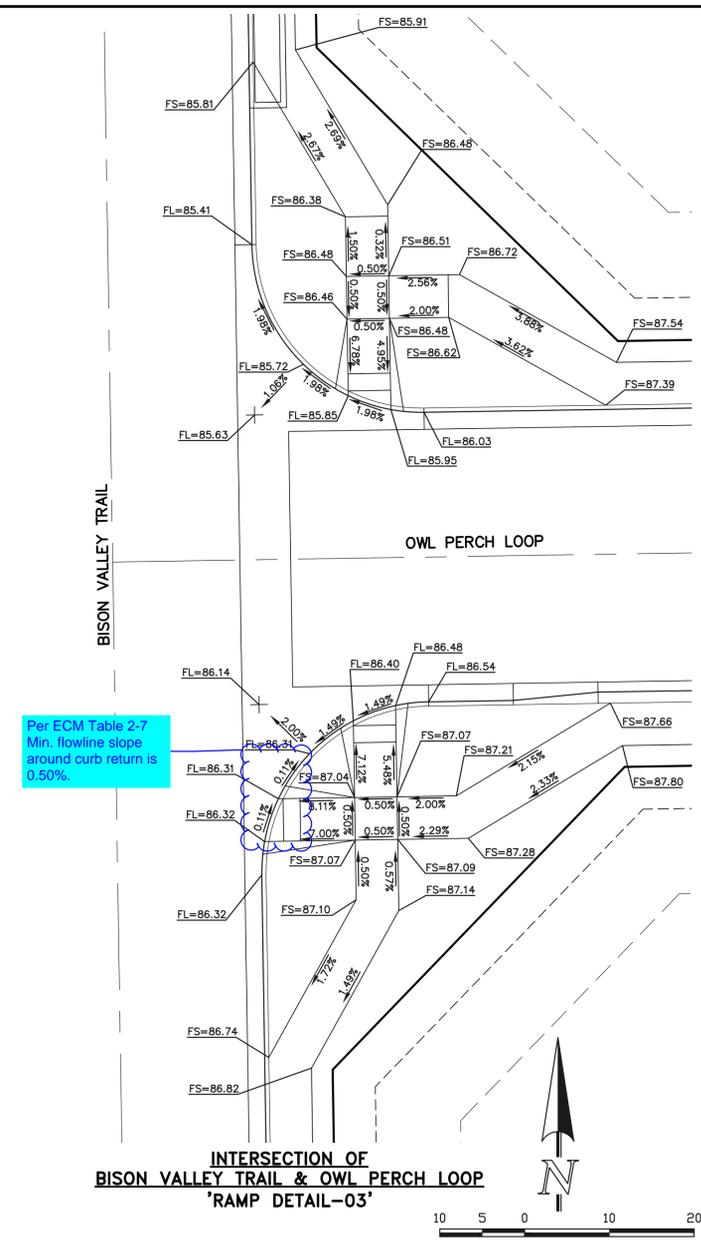
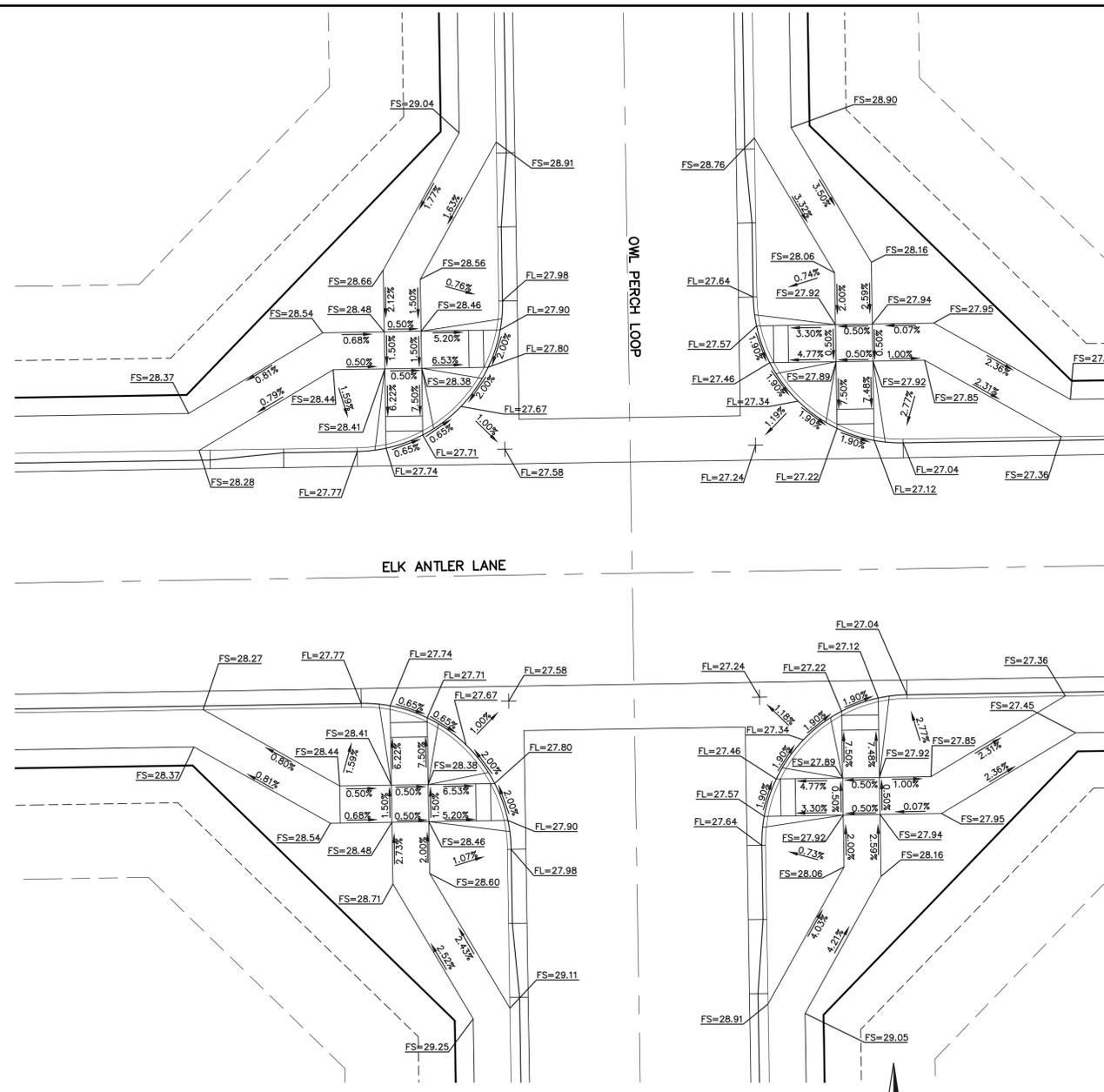
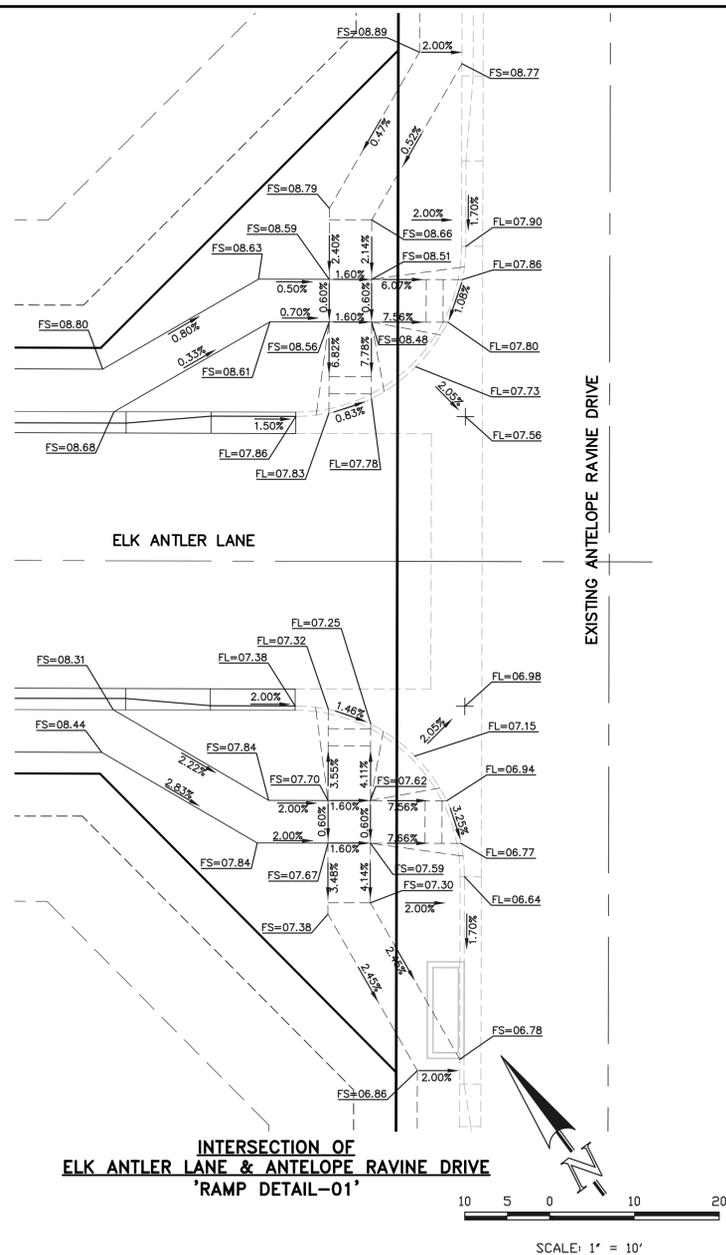


RETREAT AT TIMBERIDGE FILING NO. 2  
CONSTRUCTION PLANS  
STREET IMPROVEMENT PLANS  
OWL PERCH LOOP

DESIGNED BY: PRA  
DRAWN BY: PRA  
CHECKED BY: PRA

SCALE: (H) 1" = 50'  
(V) 1" = 5'

DATE: 02-25-21  
SHEET: 11 OF 24  
JOB NO.: 1185.20



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| NO. | REVISION | DATE |
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|     |          |      |
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MARC A. WHORTON, COLORADO P.E. #37155      DATE

**CLASSIC CONSULTING**

619 N. Cascade Avenue, Suite 200  
Colorado Springs, Colorado 80903

(719) 785-0790  
(719) 785-0799 (Fax)

|   |     |              |                 |
|---|-----|--------------|-----------------|
| <b>RETREAT AT TIMBERIDGE FILING NO. 2</b> |     |              |                 |
| <b>CONSTRUCTION PLANS</b>                 |     |              |                 |
| PEDESTRIAN RAMP DETAILS                   |     |              |                 |
| DESIGNED BY                               | PRA | SCALE        | DATE 03-16-21   |
| DRAWN BY                                  | PRA | (H) 1" = 10' | SHEET 12 OF 24  |
| CHECKED BY                                | (V) | 1" = N/A     | JOB NO. 1185.20 |

**CLASSIC CONSULTING**



### American Revolution LED Series 247L

#### PRODUCT OVERVIEW



#### Features:

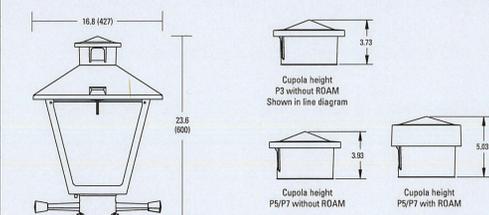
- Die-cast aluminum housing and hood for long-life performance
- Die-cast trigger latch (TL) and captive thumb screws option available for easy access to internal components
- Optical assembly designed for maximum performance, available in Type II, Type III and Type V
- Hinged hood and captive thumb screws provision afford quick, easy access to electrical and optical area for servicing
- Slipfitter with three set screws allows secure installation to pole sizes 2-3/8" or 3" O.D.
- Surge protection device (standard) exceeds ANSI C82.41 Category C1 criteria (surge tested at 10kV/5kA)
- Complies with ANSI: C136.2, C136.10, C136.15
- CSA listed and suitable for up to 30°C ambient
- Rated L70, LED life greater than 100,000 hours at 25°C
- Replaces up to 150W HPS light source incumbent models
- LED electronic 0V-10V dimmable driver
- DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org/DPL](http://www.designlights.org/DPL) to confirm which versions are qualified.

#### Applications:

- Streetscapes
- Walkways
- Pathways
- Parks

MVEA SPEC # 247L 10LEDE10 MVOLT 4K RS AY PCLL

#### DIMENSIONS



**Effective Projected Area (EPA)**  
The EPA for the American Revolution Series 247L is 1.8 sq. ft. P5 or P7 option total height is 24.9 (623). Approx. Wt. = 38 lbs.

All dimensions are inches (millimeters) unless otherwise noted.

Note: Specifications subject to change without notice.

American Revolution Series 247L LED



### American Revolution LED Series 247L

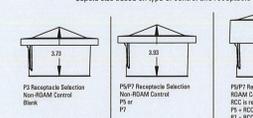
#### ORDERING INFORMATION

Example: 247L 20LEDE70 MVOLT 4K RS AY

| Series                       | Performance Package   | Voltage  | Color Temperature (CCT)          |
|------------------------------|---|--|----------------------------------|
| 247L American Revolution LED | 20LEDE10 20 Chips, 1000 mA Driver, 72 input watts<br>20LEDE20 20 Chips, 2000 mA Driver, 40 input watts<br>10LEDE10 10 Chips, 1000 mA Driver, 28 input watts<br>10LEDE70 10 Chips, 700 mA Driver, 25 input watts<br>10LEDE35 10 Chips, 350 mA Driver, 13 input watts<br>10LEDE36 10 Chips, 350 mA Driver, 13 input watts | MVOLT Multi-volt, 120-277V<br>247 247V<br>480 480V | 3K 3000K<br>4K 4000K<br>5K 5000K |

| Distribution                           | Optics  | Options  | Miscellaneous  |
|--|---|--|--|
| R2 Type II<br>R3 Type III<br>R5 Type V | AY Acrylic<br>PV Polycarbonate<br>CY Gray<br>DBB Dark Bronze<br>WH White<br>BZ Bronze | 3 pin NEMA Photocontrol<br>Receptacle (standard)<br>No Photocontrol Receptacle<br>5 pin NEMA Photocontrol Receptacle<br>(dimming driver included)<br>7 pin NEMA Photocontrol Receptacle<br>(dimming driver included)<br>Solid State Long Life Photocontrol<br>Not CSA Listed Solid State Long Life Photocontrol (120-277V) | SS Stainless steel hardware<br>NL NEMA Label<br>NL Not CSA Listed<br>TL Tool-less Entry<br>LDR Ladder Rest<br>SH Shorting Cap<br>SHK Not CSA Listed Shorting Cap<br>HSB House Side Shield Black<br>HSW House Side Shield White<br>GR Enhanced Corrosion Resistant Finish<br>RDC ROAM Dimming Node Cupola Cover |

#### Cupola size based on type of control and receptacle



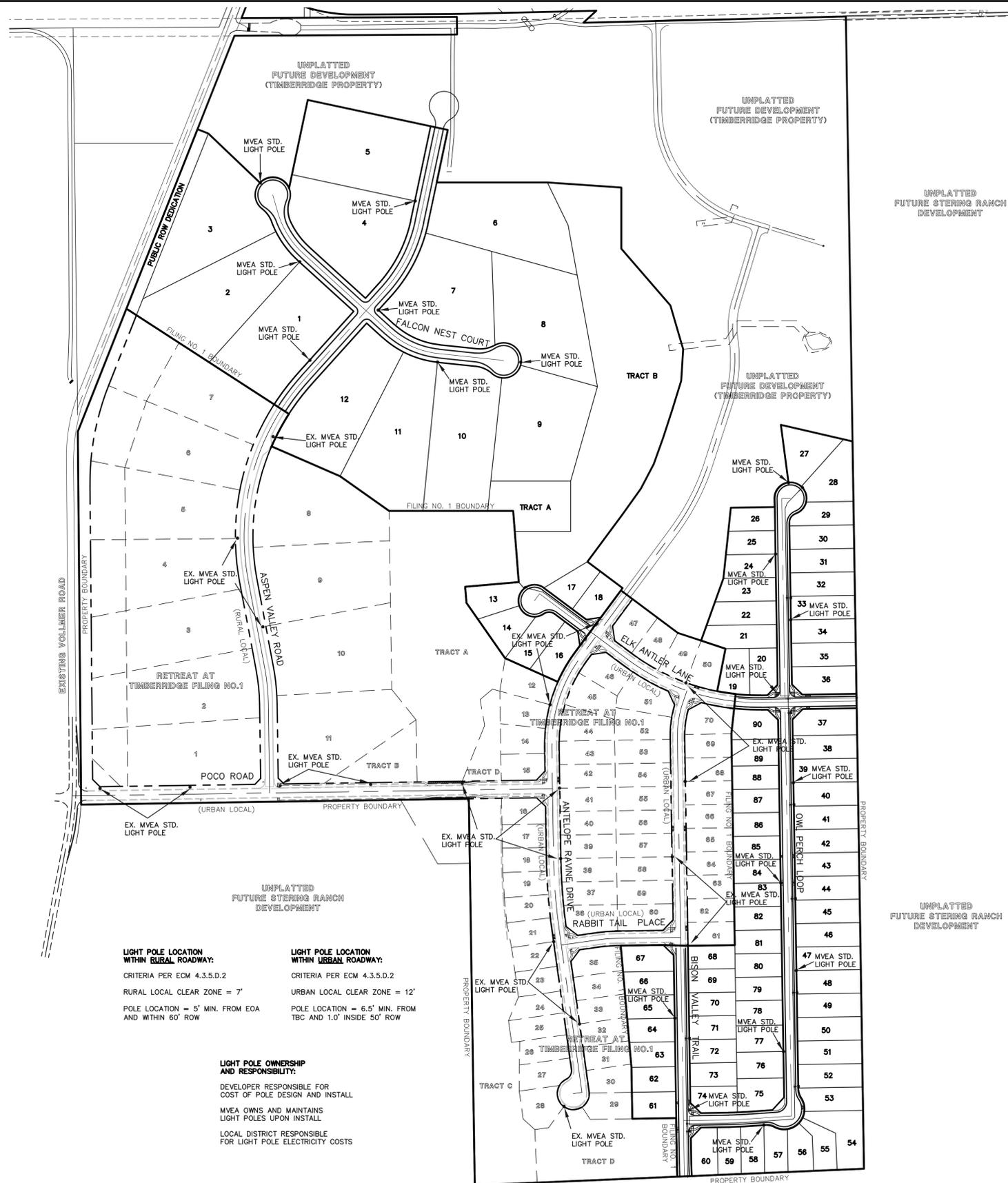
#### Notes:

- Other colors available, please contact factory
- P5 and SH not available with BR option
- Taller cupola cover (RCC) is required when used with ROAM or other similar wireless monitoring control systems
- Standard failure mode "Fail On"
- Photocontrols supplied with ANSI Standard Turn-On levels
- XI option is required
- Ships with unit, field installed
- Required when using ROAM or other similar wireless monitoring control systems



All Headquarters: 3025 Columbia Road, Greenville, OH 45603  
www.americanelectriclighting.com  
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Warranty Five-year limited warranty. Complete warranty terms located at [www.americanelectriclighting.com/customer-resources/Products\\_and\\_conditions.aspx](http://www.americanelectriclighting.com/customer-resources/Products_and_conditions.aspx). Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25°C. Specifications subject to change without notice.  
Please contact your sales representative for the latest product information.

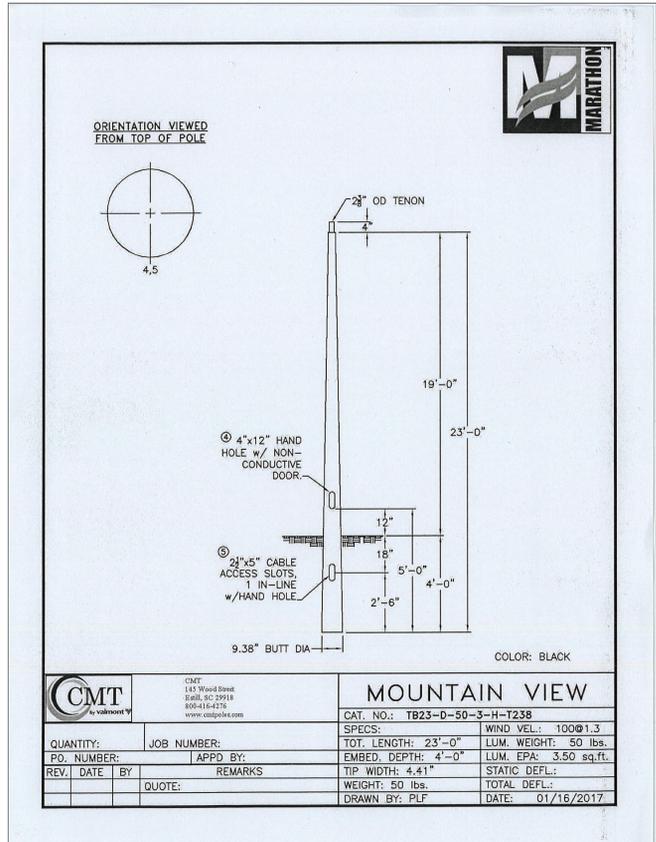


**LIGHT POLE LOCATION WITHIN RURAL ROADWAY:**  
CRITERIA PER ECM 4.3.5.D.2  
RURAL LOCAL CLEAR ZONE = 7'  
POLE LOCATION = 5' MIN. FROM EOA AND WITHIN 60' ROW

**LIGHT POLE LOCATION WITHIN URBAN ROADWAY:**  
CRITERIA PER ECM 4.3.5.D.2  
URBAN LOCAL CLEAR ZONE = 12'  
POLE LOCATION = 6.5' MIN. FROM TBC AND 1.0' INSIDE 50' ROW

**LIGHT POLE OWNERSHIP AND RESPONSIBILITY:**  
DEVELOPER RESPONSIBLE FOR COST OF POLE DESIGN AND INSTALL  
MVEA OWNS AND MAINTAINS LIGHT POLES UPON INSTALL  
LOCAL DISTRICT RESPONSIBLE FOR LIGHT POLE ELECTRICITY COSTS

|  |              |      |   |
|--|--------------|------|---|
| 48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS<br><b>811</b><br>UTILITY NOTIFICATION CENTER OF COLORADO IT'S THE LAW   | NO. REVISION | DATE | REVIEW:   |
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|  |              |      | MARC A. WHORTON, COLORADO P.E. #37155 DATE  |

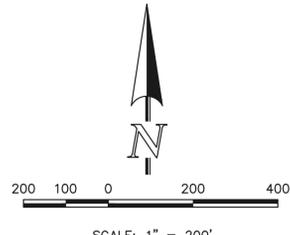


CMT  
145 Wood Street  
Raleigh, NC 27614  
800-444-4275  
www.cmtpole.com

### MOUNTAIN VIEW

CAT. NO.: TB23-D-50-3-H-T238

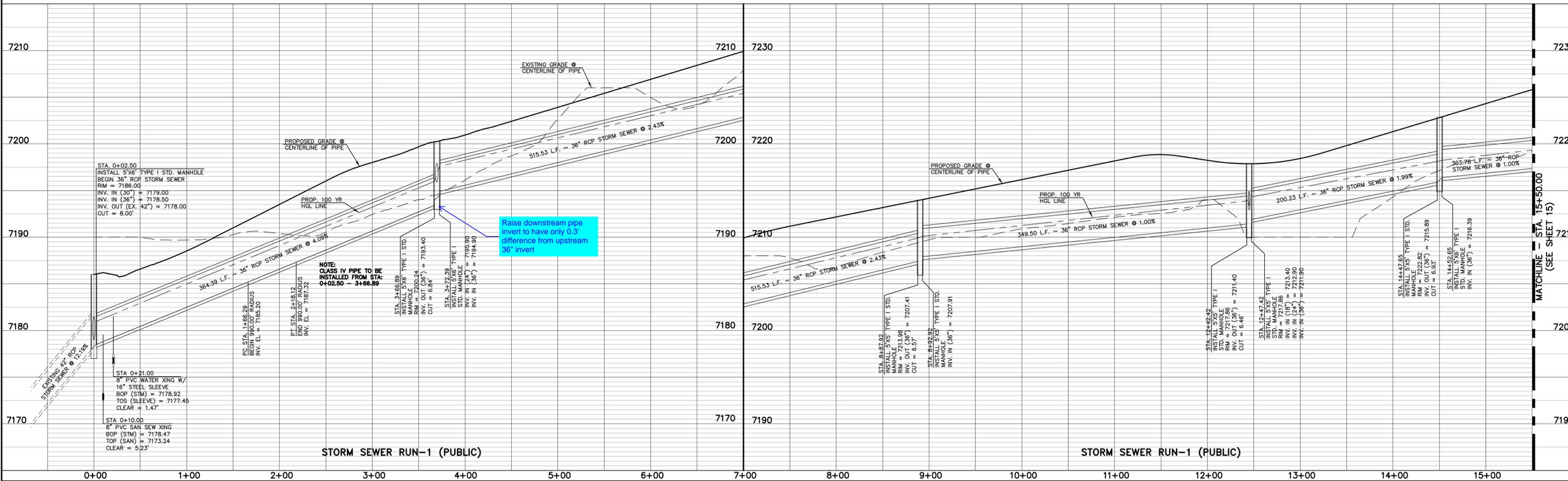
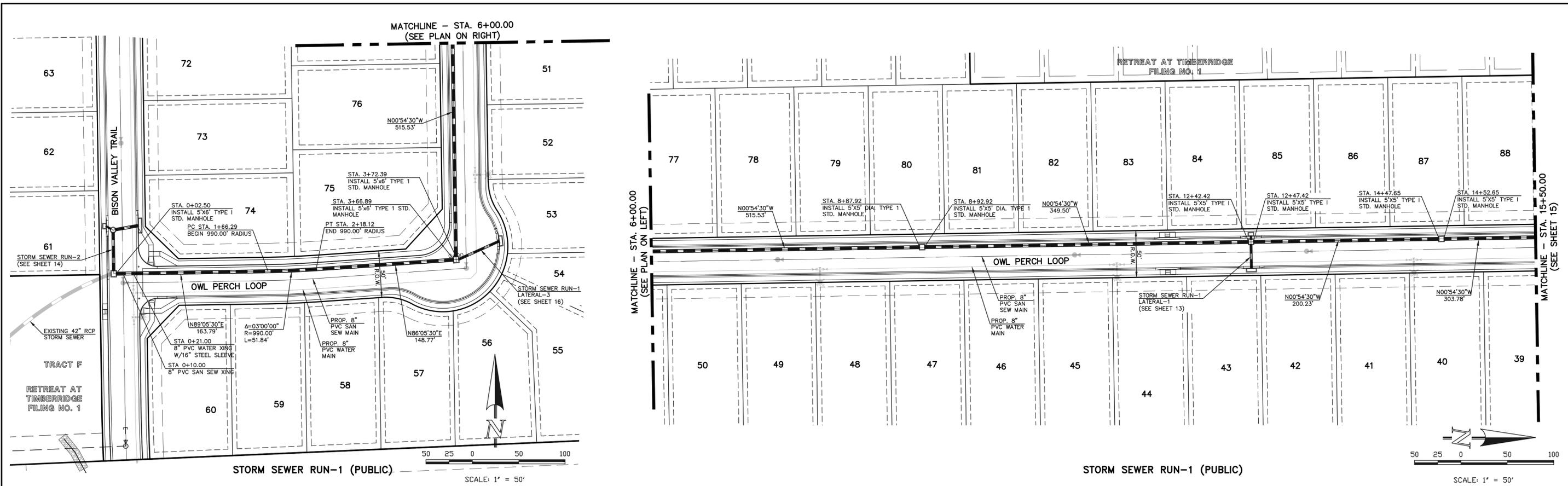
|               |             |                     |                       |
|---------------|-------------|---------------------|-----------------------|
| QUANTITY:     | JOB NUMBER: | SPECS:              | WIND VEL.: 100@1.3    |
| PO. NUMBER:   | APPRO. BY:  | TOT. LENGTH: 23'-0" | LUM. WEIGHT: 50 lbs.  |
| REV. DATE BY: | REMARKS:    | EMBED. DEPTH: 4'-0" | LUM. EPA: 3.50 sq.ft. |
| QUOTE:        |             | TIP WIDTH: 4.41"    | STATIC DEFL.:         |
|               |             | WEIGHT: 50 lbs.     | TOTAL DEFL.:          |
|               |             | DRAWN BY: PLF       | DATE: 01/16/2017      |



|  |              |               |                |
|--|--------------|---------------|----------------|
| RETREAT AT TIMBERIDGE FILING NO. 2 CONSTRUCTION PLANS<br>STREET LIGHT POLE LOCATION PLAN |              |               |                |
| DESIGNED BY  | PRA          | SCALE         | DATE 03-19-21  |
| DRAWN BY   | PRA          | (H) 1" = 200' | SHEET 13 OF 24 |
| CHECKED BY   | (V) 1" = N/A | JOB NO.       | 1185.20        |



N:\118520\DRAWINGS\CONSTRUCTION\13-118520-STREET LIGHTS.dwg, 9/29/2021, 8:52:34 AM, 1:1



48 HOURS BEFORE YOU DIG,  
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**811**  
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| NO. | REVISION                    | DATE     |
|-----|-----------------------------|----------|
| 1   | REVISED PER COUNTY COMMENTS | 09-10-21 |

REVIEW:  
PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

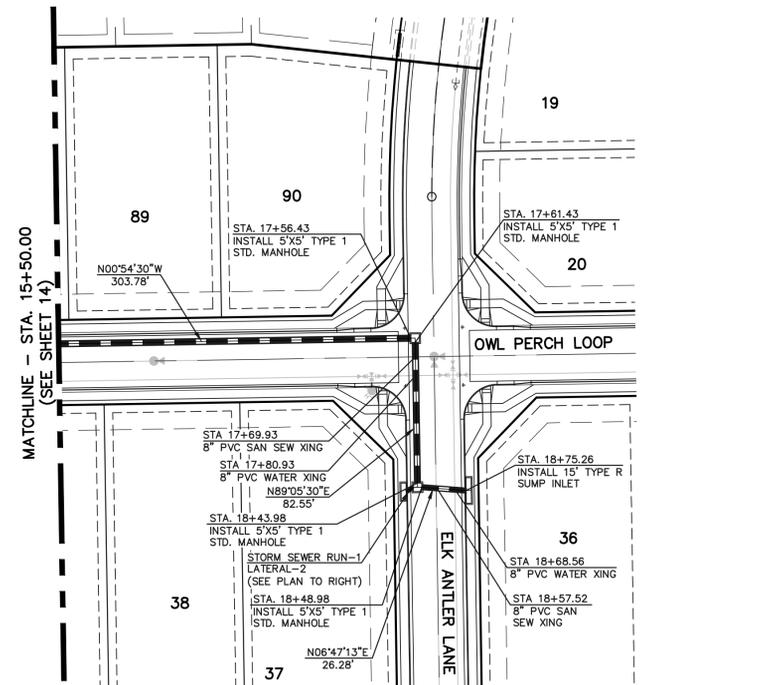
MARC A. WHORTON, COLORADO P.E. #37155 DATE



RETREAT AT TIMBERIDGE FILING NO. 2  
CONSTRUCTION PLANS  
PUBLIC STORM SEWER PLAN

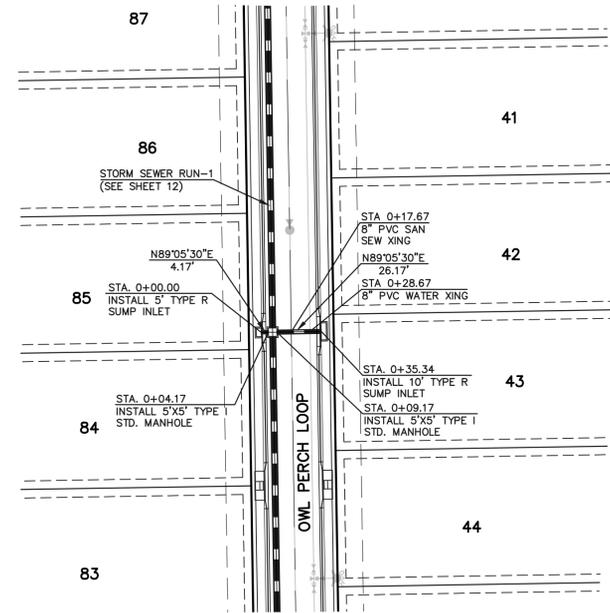
DESIGNED BY: PRA SCALE: DATE: 02-25-21  
DRAWN BY: PRA (H) 1" = 50' SHEET 14 OF 24  
CHECKED BY: (V) 1" = 5' JOB NO. 1185.20

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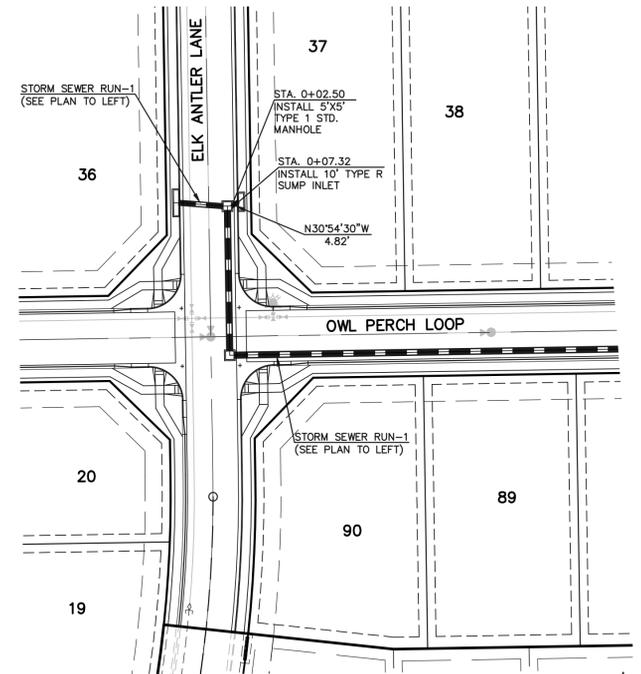
STORM SEWER RUN-1 (PUBLIC)

SCALE: 1" = 50'



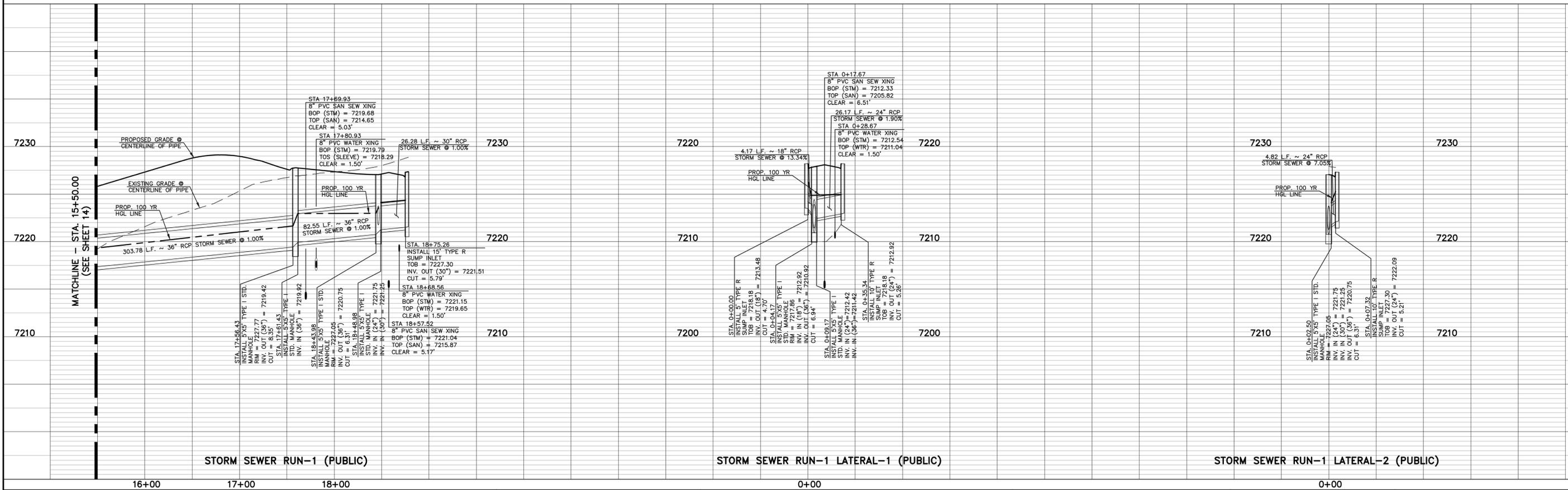
STORM SEWER RUN-1 LATERAL-1 (PUBLIC)

SCALE: 1" = 50'



STORM SEWER RUN-1 LATERAL-2 (PUBLIC)

SCALE: 1" = 50'



STORM SEWER RUN-1 (PUBLIC)

STORM SEWER RUN-1 LATERAL-1 (PUBLIC)

STORM SEWER RUN-1 LATERAL-2 (PUBLIC)

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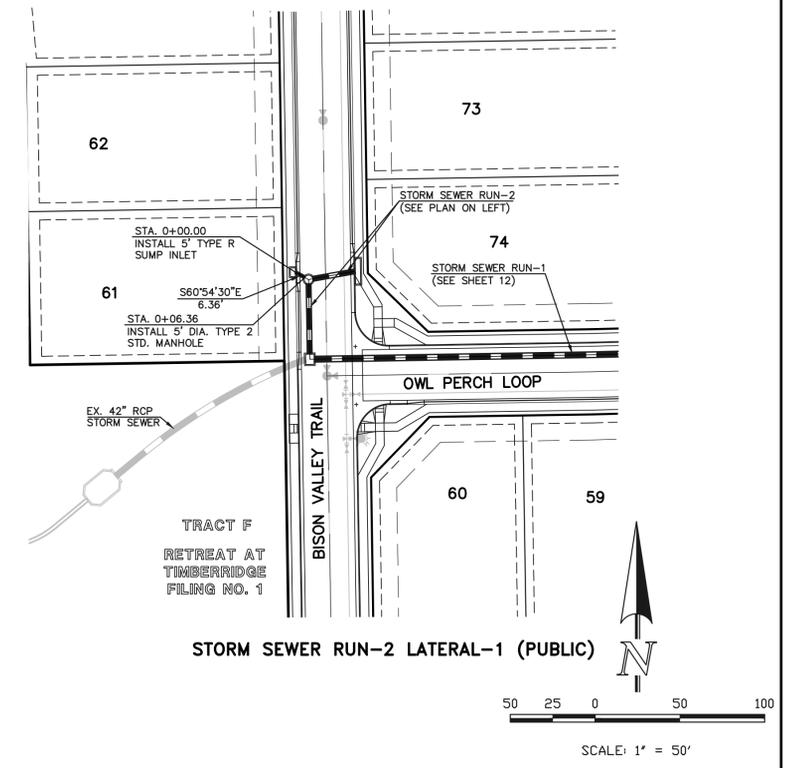
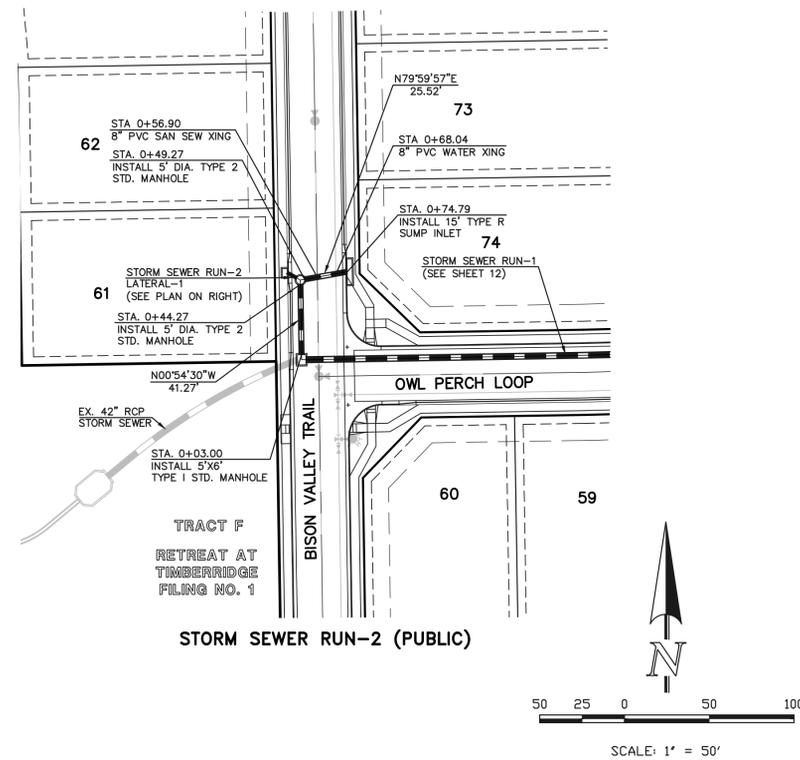
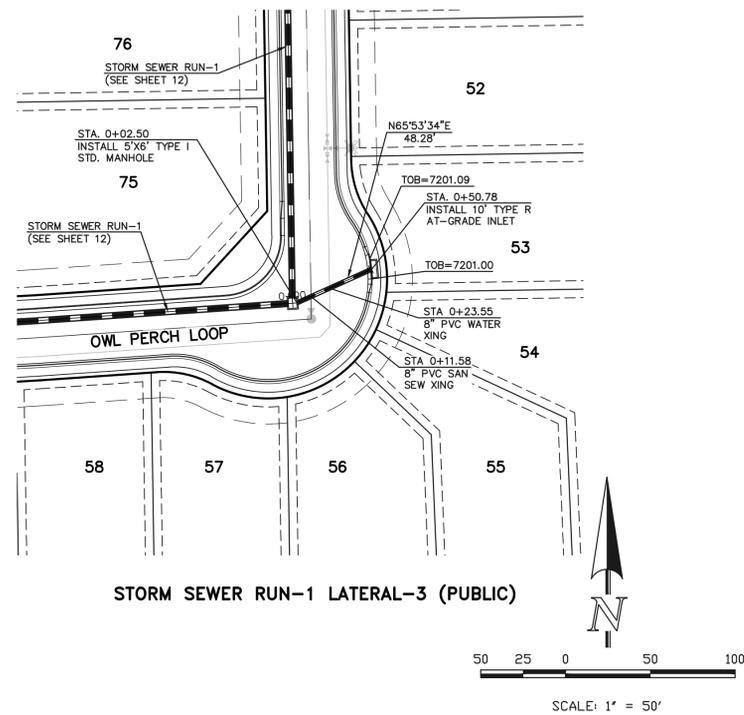
MARC A. WHORTON, COLORADO P.E. #37155 DATE



RETREAT AT TIMBERIDGE FILING NO. 2  
CONSTRUCTION PLANS  
PUBLIC STORM SEWER PLAN

DESIGNED BY PRA SCALE DATE 02-25-21  
DRAWN BY PRA (H) 1" = 50' SHEET 15 OF 24  
CHECKED BY (V) 1" = 5' JOB NO. 1185.20

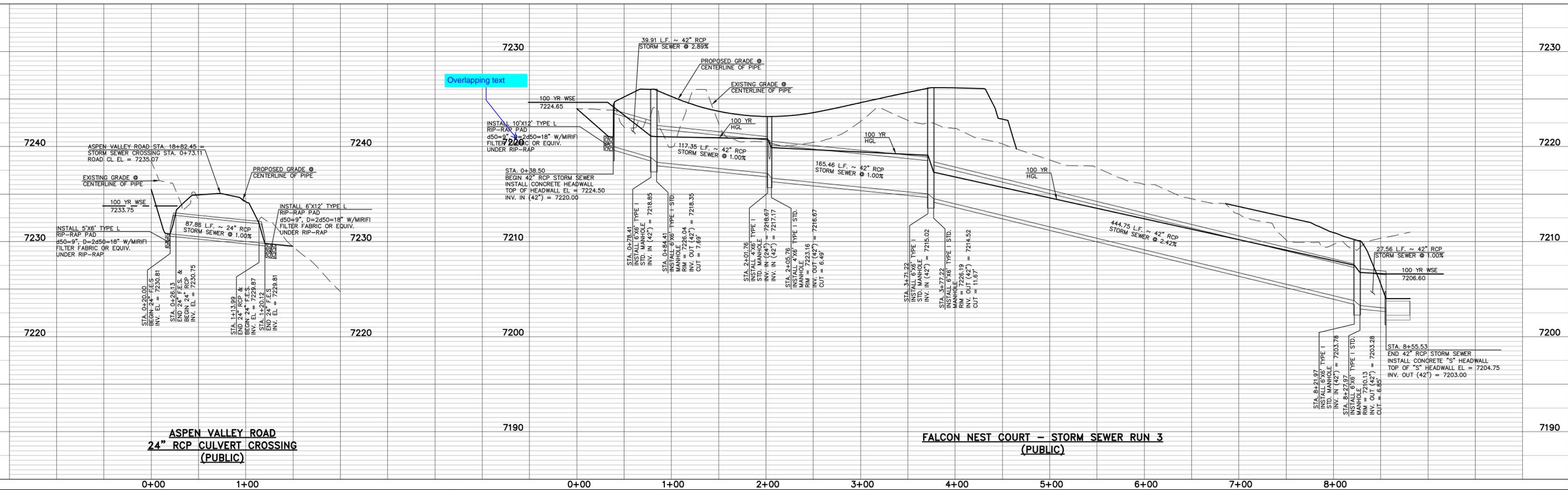
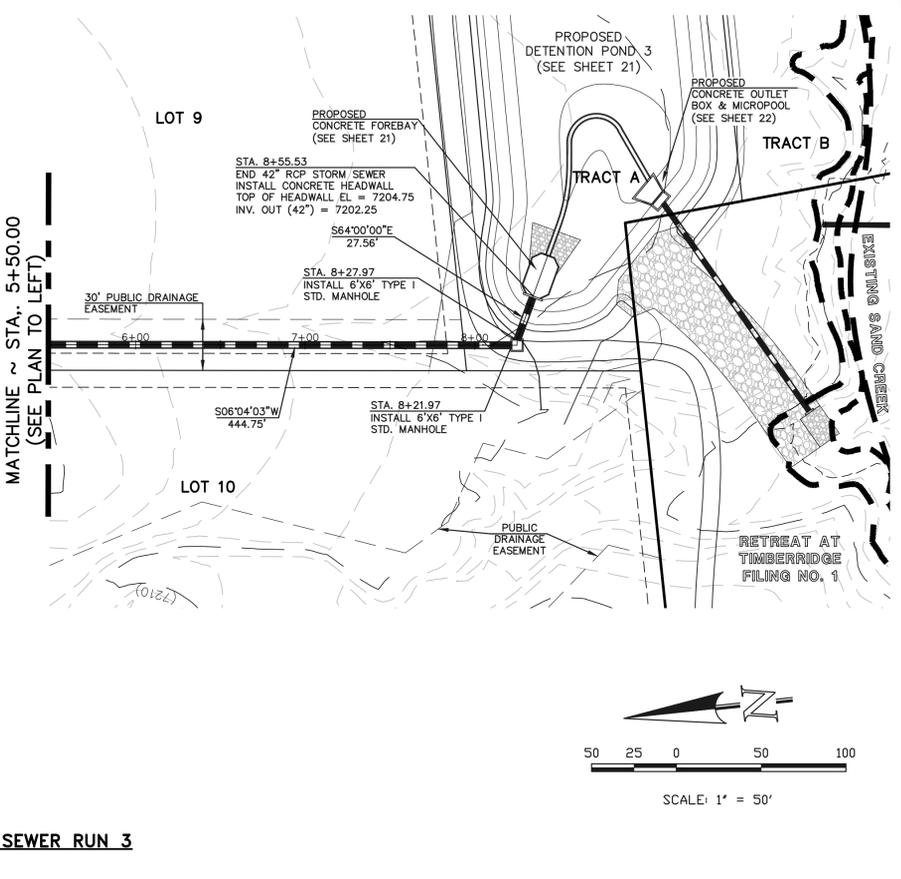
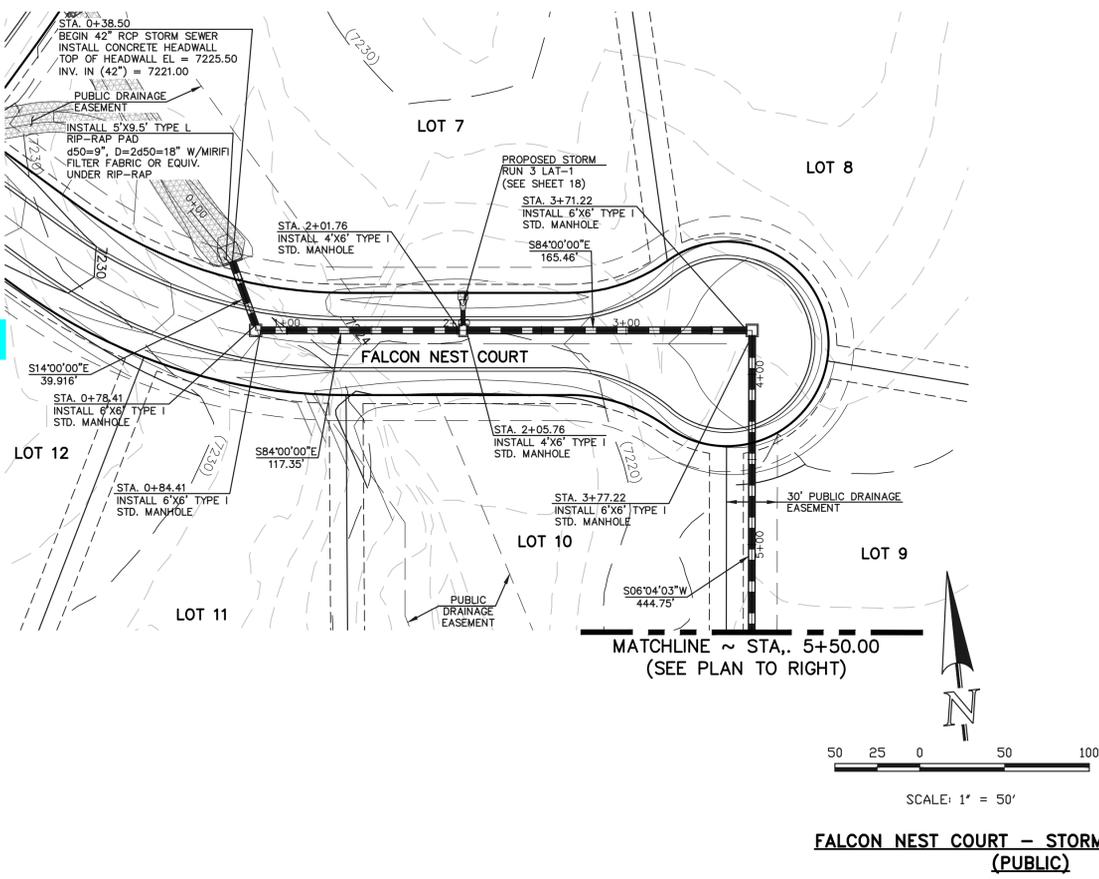
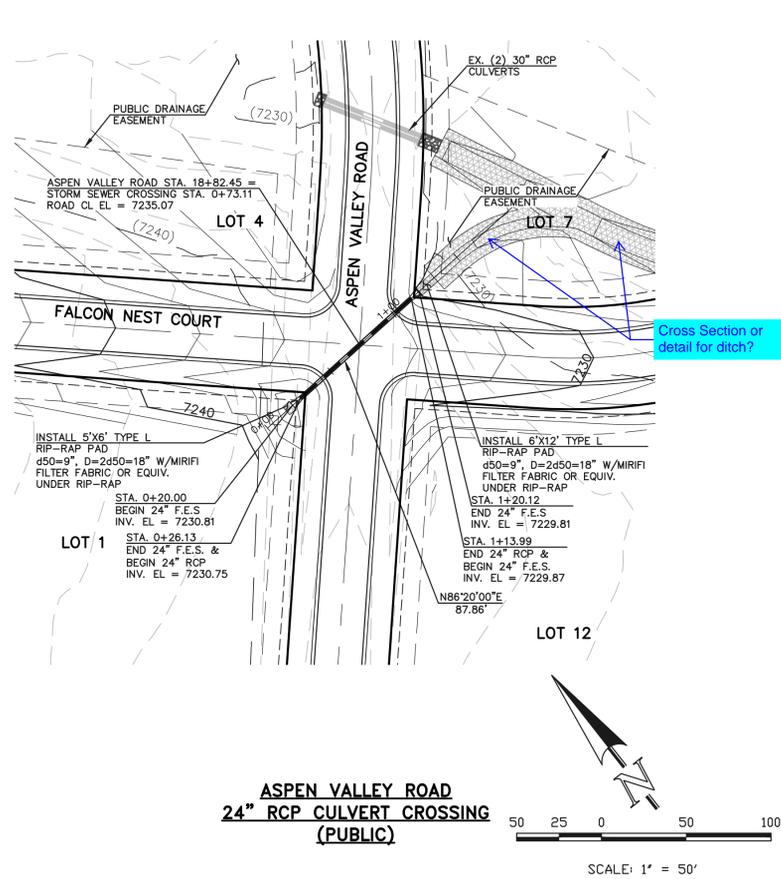




|      |  |      |      |      |
|------|--|------|------|------|
| 7210 | <p>STA. 0+11.58<br/>8" PVC SAN SEW XING<br/>BOP (STM) = 7195.42<br/>TOP (SAN) = 7186.58<br/>CLEAR = 8.84'</p> <p>STA. 0+23.55<br/>8" PVC WATER XING<br/>BOP (STM) = 7195.65<br/>TOP (WTR) = 7194.15<br/>CLEAR = 1.50'</p> <p>48.28 L.F. ~ 24" RCP<br/>STORM SEWER @ 1.89%</p>  | 7210 | 7190 | 7190 |
| 7200 | <p>PROP. 100 YR<br/>HGL LINE</p>   | 7200 | 7180 | 7180 |
| 7190 | <p>STA. 0+02.50<br/>INSTALL 5'x6' TYPE 1 STD. MANHOLE<br/>INV. IN (24") = 7195.46<br/>INV. IN (36") = 7194.46<br/>INV. OUT (36") = 7193.66<br/>CUT = 6.28'</p> <p>STA. 0+50.78<br/>INSTALL 10" TYPE R AT-GRADE INLET<br/>TOB=7201.09<br/>INV. OUT (24") = 7196.37<br/>MAX. CUT = 4.72'</p>   | 7190 | 7170 | 7170 |
|      | <p>STA. 0+03.00<br/>INSTALL 5'x6' TYPE 1 STD. MANHOLE<br/>EX. 42" RCP STORM SEWER</p> <p>41.27 L.F. ~ 30" RCP<br/>STORM SEWER @ 1.00%</p> <p>PROP. 100 YR<br/>HGL LINE</p>   |      | 7180 | 7180 |
|      | <p>STA. 0+44.27<br/>INSTALL 5' DIA. TYPE 2 STD. MANHOLE<br/>INV. IN (30") = 7179.00<br/>INV. IN (36") = 7178.50<br/>INV. OUT (EX. 42") = 7178.00<br/>CUT = 8.00'</p> <p>STA. 0+48.27<br/>INSTALL 5' DIA. TYPE 2 STD. MANHOLE<br/>INV. IN (30") = 7179.41<br/>CUT = 6.10'</p> <p>STA. 0+49.27<br/>INSTALL 5' DIA. TYPE 2 STD. MANHOLE<br/>INV. IN (30") = 7180.01<br/>INV. IN (36") = 7179.91<br/>CUT = 8.00'</p> <p>STA. 0+74.79<br/>INSTALL 15" TYPE R SUMP INLET<br/>TOB = 7185.91<br/>INV. IN (30") = 7179.91<br/>CUT = 5.29'</p> |      | 7170 | 7170 |
|      | <p>STA. 0+56.90<br/>8" PVC SAN SEW XING<br/>BOP (STM) = 7179.80<br/>TOP (SAN) = 7173.75<br/>CLEAR = 6.05'</p> <p>25.52 L.F. ~ 30" RCP<br/>STORM SEWER @ 2.37%</p> <p>STA. 0+68.04<br/>8" PVC WATER XING<br/>BOP (STM) = 7180.07<br/>TOP (WTR) = 7178.57<br/>CLEAR = 1.50'</p>  |      | 7190 | 7190 |
|      | <p>PROP. 100 YR<br/>HGL LINE</p>   |      | 7180 | 7180 |
|      | <p>STA. 0+00.00<br/>INSTALL 5" TYPE R SUMP INLET<br/>TOB = 7185.91<br/>INV. OUT (18") = 7181.80<br/>CUT = 4.21'</p> <p>STA. 0+06.36<br/>INSTALL 5' DIA. TYPE 2 STD. MANHOLE<br/>INV. IN (30") = 7180.91<br/>INV. IN (36") = 7179.91<br/>INV. OUT (30") = 7179.41<br/>CUT = 6.10'</p>   |      | 7170 | 7170 |
|      | <p>6.86 L.F. ~ 18" RCP<br/>STORM SEWER @ 10.84%</p>  |      | 7180 | 7180 |
|      |  |      | 7190 | 7190 |

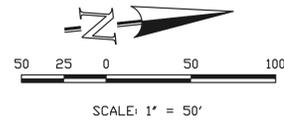
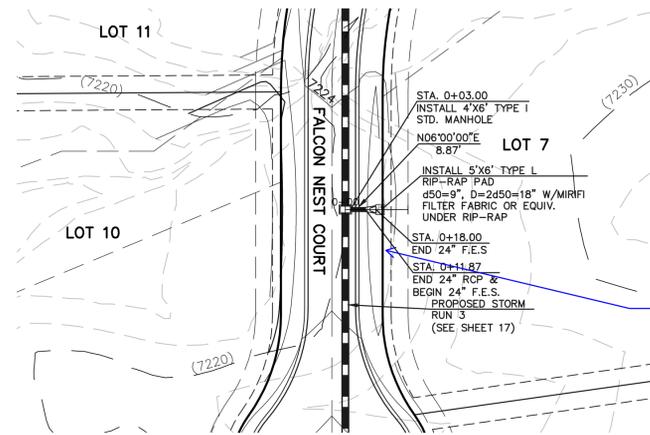
| <p>48 HOURS BEFORE YOU DIG,<br/>CALL UTILITY LOCATORS<br/><b>811</b><br/>UTILITY NOTIFICATION CENTER OF COLORADO<br/>IT'S THE LAW</p> <p>THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.</p> | <table border="1"> <tr> <th>NO.</th> <th>REVISION</th> <th>DATE</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table> | NO.  | REVISION | DATE |  |  |  | <p>REVIEW:</p> <p>PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC</p> <p>MARC A. WHORTON, COLORADO P.E. #37155      DATE</p> | <p>RETREAT AT TIMBERRIDGE FILING NO. 2<br/>CONSTRUCTION PLANS<br/>PUBLIC STORM SEWER PLAN</p> <p>DESIGNED BY: PRA      SCALE: DATE: 02-25-21<br/>DRAWN BY: PRA      (H) 1" = 50'      SHEET 16 OF 24<br/>CHECKED BY: (V) 1" = 5'      JOB NO. 1185.20</p> |
|---|---|------|----------|------|--|--|--|--|---|
| NO.   | REVISION  | DATE |          |      |  |  |  |  |   |
|   |   |      |          |      |  |  |  |  |   |

619 N. Cascade Avenue, Suite 200      (719) 785-0790  
Colorado Springs, Colorado 80903      (719) 785-0799 (Fax)

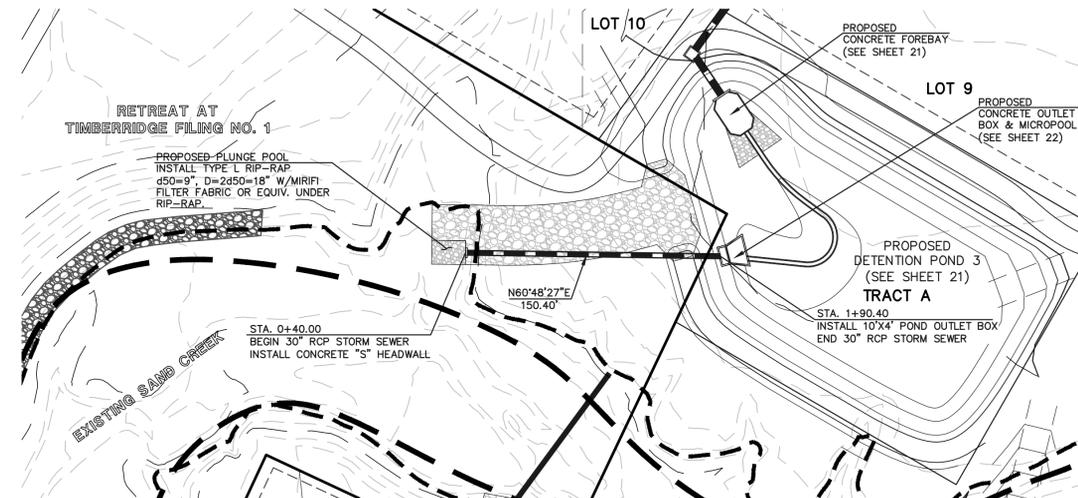


Overlapping text

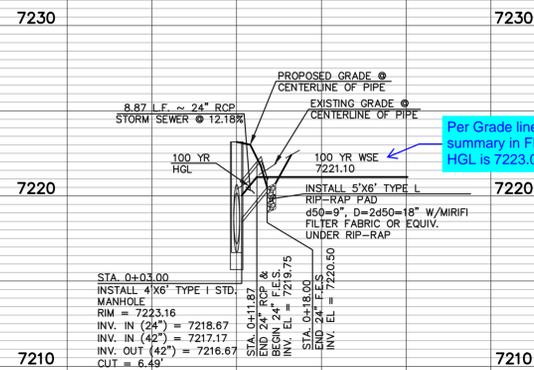
| <p>48 HOURS BEFORE YOU DIG,<br/>CALL UTILITY LOCATORS<br/><b>811</b><br/>UTILITY NOTIFICATION CENTER OF COLORADO<br/>IT'S THE LAW</p> <p>THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.</p> | <p>NO. REVISION</p> <table border="1"> <tr> <th>NO.</th> <th>REVISION</th> <th>DATE</th> </tr> <tr> <td>1</td> <td>ADDED STORM SEWER SYSTEM AND RELOCATED POND 3</td> <td>09-16-21</td> </tr> </table> | NO.          | REVISION | DATE | 1 | ADDED STORM SEWER SYSTEM AND RELOCATED POND 3 | 09-16-21 | <p>REVIEW:</p> <p>PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC</p> <p>MARC A. WHORTON, COLORADO P.E. #37155</p> | <p>RETREAT AT TIMBERIDGE FILING NO. 2<br/>CONSTRUCTION PLANS<br/>PUBLIC STORM SEWER PLAN</p> <table border="1"> <tr> <td>DESIGNED BY</td> <td>PRA</td> <td>SCALE</td> <td>DATE</td> </tr> <tr> <td>DRAWN BY</td> <td>PRA</td> <td>(H) 1" = 50'</td> <td>04-01-21</td> </tr> <tr> <td>CHECKED BY</td> <td>(V) 1" = 5'</td> <td>SHEET</td> <td>17 OF 24</td> </tr> <tr> <td></td> <td></td> <td>JOB NO.</td> <td>1185.20</td> </tr> </table> | DESIGNED BY | PRA | SCALE | DATE | DRAWN BY | PRA | (H) 1" = 50' | 04-01-21 | CHECKED BY | (V) 1" = 5' | SHEET | 17 OF 24 |  |  | JOB NO. | 1185.20 |
|---|--|--------------|----------|------|---|---|----------|--|--|-------------|-----|-------|------|----------|-----|--------------|----------|------------|-------------|-------|----------|--|--|---------|---------|
|   | NO.  | REVISION     | DATE     |      |   |   |          |  |  |             |     |       |      |          |     |              |          |            |             |       |          |  |  |         |         |
| 1   | ADDED STORM SEWER SYSTEM AND RELOCATED POND 3  | 09-16-21     |          |      |   |   |          |  |  |             |     |       |      |          |     |              |          |            |             |       |          |  |  |         |         |
| DESIGNED BY   | PRA  | SCALE        | DATE     |      |   |   |          |  |  |             |     |       |      |          |     |              |          |            |             |       |          |  |  |         |         |
| DRAWN BY  | PRA  | (H) 1" = 50' | 04-01-21 |      |   |   |          |  |  |             |     |       |      |          |     |              |          |            |             |       |          |  |  |         |         |
| CHECKED BY  | (V) 1" = 5'  | SHEET        | 17 OF 24 |      |   |   |          |  |  |             |     |       |      |          |     |              |          |            |             |       |          |  |  |         |         |
|   |  | JOB NO.      | 1185.20  |      |   |   |          |  |  |             |     |       |      |          |     |              |          |            |             |       |          |  |  |         |         |
| <p>CLASSIC CONSULTING</p> <p>619 N. Cascade Avenue, Suite 200<br/>Colorado Springs, Colorado 80903</p> <p>(719) 785-0790<br/>(719) 785-0799 (Fax)</p>   |  |              |          |      |   |   |          |  |  |             |     |       |      |          |     |              |          |            |             |       |          |  |  |         |         |



FALCON NEST COURT - STORM SEWER RUN 3 - LATERAL 1  
(PUBLIC)



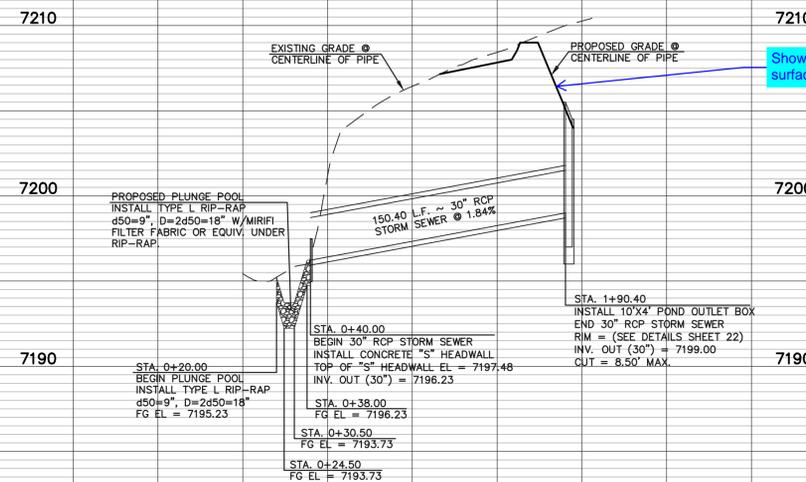
DETENTION POND 3 STORM SEWER OUTFALL  
(PUBLIC)



Per Grade line summary in FDR  
HGL is 7223.05

FALCON NEST COURT - STORM SEWER RUN 3 - LATERAL 1  
(PUBLIC)

0+00



Show 100-year water surface

DETENTION POND 3 STORM SEWER OUTFALL  
(PUBLIC)

0+00 1+00 2+00

48 HOURS BEFORE YOU DIG,  
CALL UTILITY LOCATORS

811

UTILITY NOTIFICATION CENTER OF COLORADO  
IT'S THE LAW

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

| NO. | REVISION | DATE |
|-----|----------|------|
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |

REVIEW:  
PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF  
CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

MARC A. WHORTON, COLORADO P.E. #37155 DATE

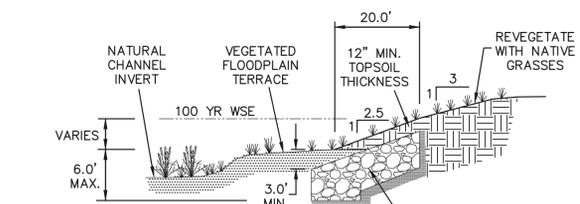


619 N. Cascade Avenue, Suite 200  
Colorado Springs, Colorado 80903  
(719) 785-0790  
(719) 785-0799 (Fax)

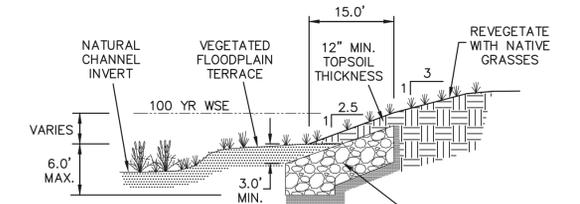
RETREAT AT TIMBERRIDGE FILING NO. 2  
CONSTRUCTION PLANS  
STORM SEWER PLAN

|             |             |              |         |          |
|-------------|-------------|--------------|---------|----------|
| DESIGNED BY | PRA         | SCALE        | DATE    | 04-01-21 |
| DRAWN BY    | PRA         | (H) 1" = 50' | SHEET   | 18 OF 24 |
| CHECKED BY  | (V) 1" = 5' | JOB NO.      | 1185.20 |          |



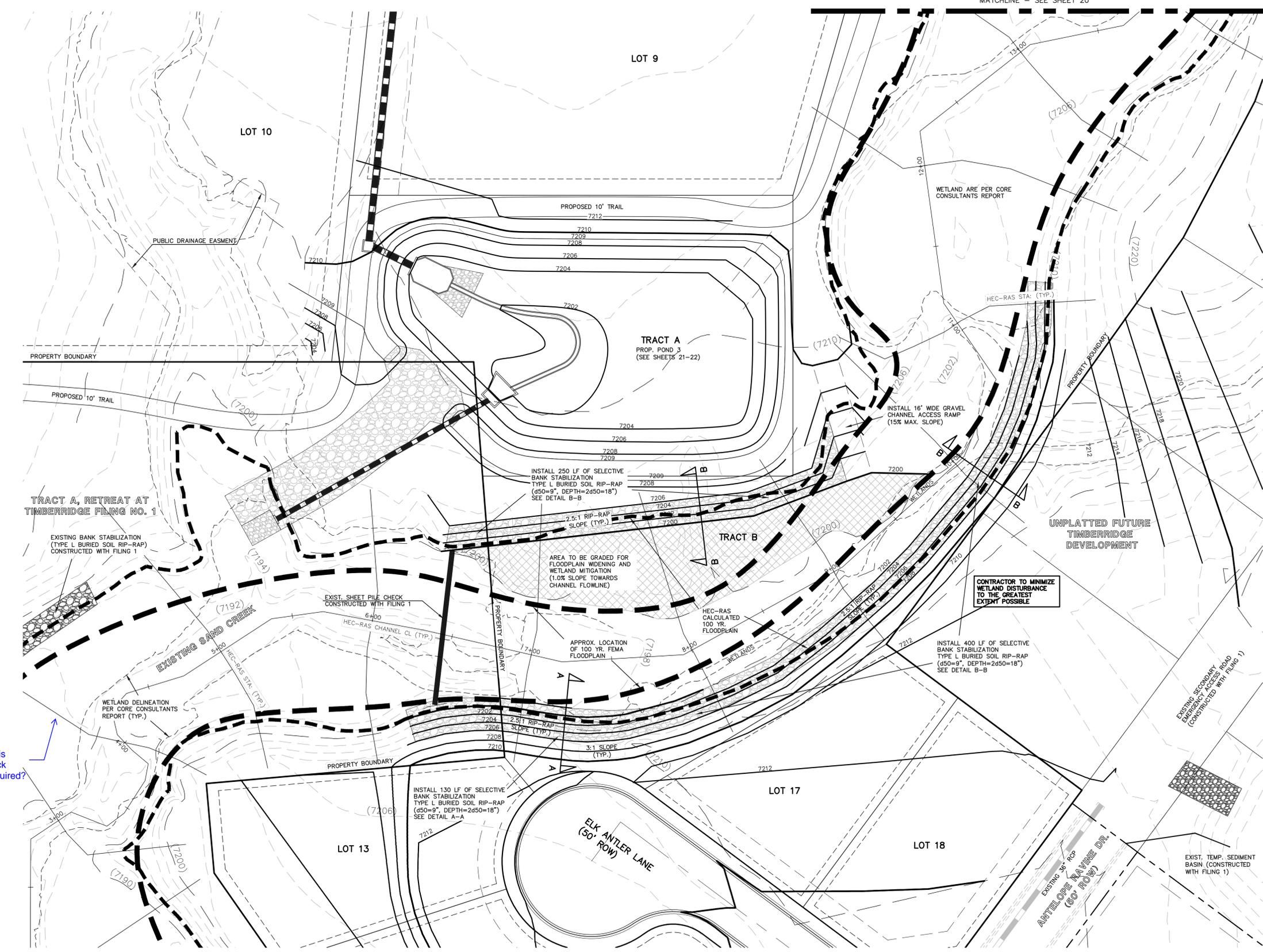


**SELECTIVE RIP-RAP BANK STABILIZATION**  
SECTION A-A  
N.T.S.

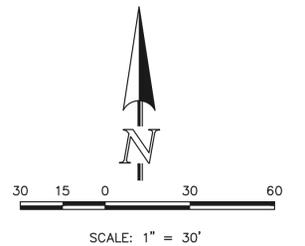


**SELECTIVE RIP-RAP BANK STABILIZATION**  
SECTION B-B  
N.T.S.

See FDR comments - is another check structure required?



**FLOODPLAIN WIDENING & SELECTIVE BANK STABILIZATION**



SEE RETREAT AT TIMBERIDGE FILING NO. 2 GRADING AND EROSION CONTROL PLAN FOR EROSION CONTROL DETAILS.

48 HOURS BEFORE YOU DIG,  
CALL UTILITY LOCATORS  
**811**  
UTILITY NOTIFICATION CENTER OF COLORADO  
IT'S THE LAW

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| NO. | REVISION | DATE |
|-----|----------|------|
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |

REVIEW:  
PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

MARC A. WHORTON, COLORADO P.E. #37155      DATE

619 N. Cascade Avenue, Suite 200  
Colorado Springs, Colorado 80903

(719) 785-0790  
(719) 785-0799 (Fax)

**RETREAT AT TIMBERIDGE FILING NO. 2**  
CONSTRUCTION PLANS  
CHECK STRUCTURES AND  
SELECTIVE BANK STABILIZATION

|             |     |              |         |          |
|-------------|-----|--------------|---------|----------|
| DESIGNED BY | MAW | SCALE        | DATE    | 4-5-21   |
| DRAWN BY    | MAW | (H) 1" = 30' | SHEET   | 19 OF 24 |
| CHECKED BY  | (V) | 1" = N/A     | JOB NO. | 1185.20  |



N:\118520\DRAWINGS\CONSTRUCTION\19-20\_118520-CHANNEL-01.dwg, 10/25/2021 1:56:04 PM, 1:1

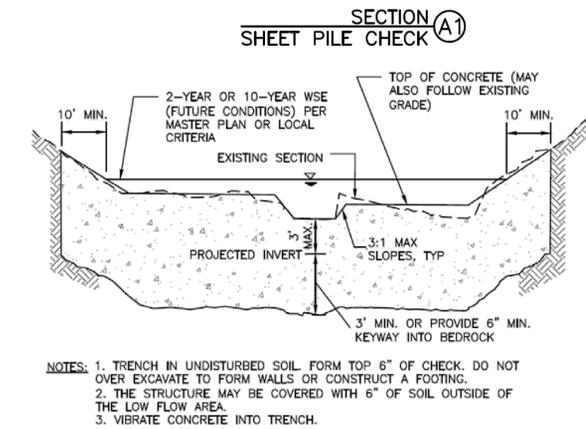
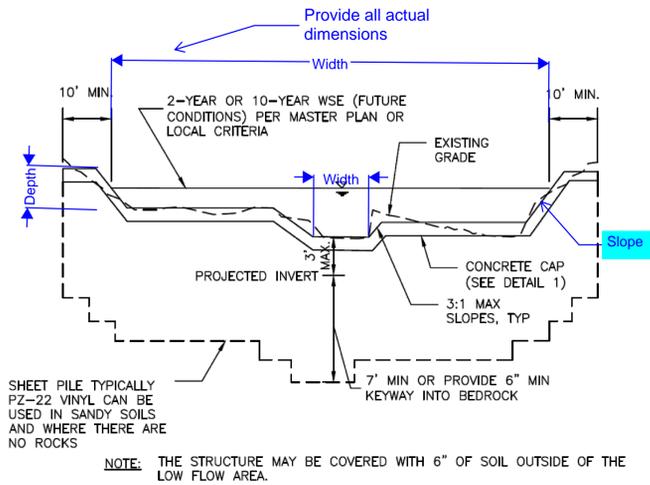
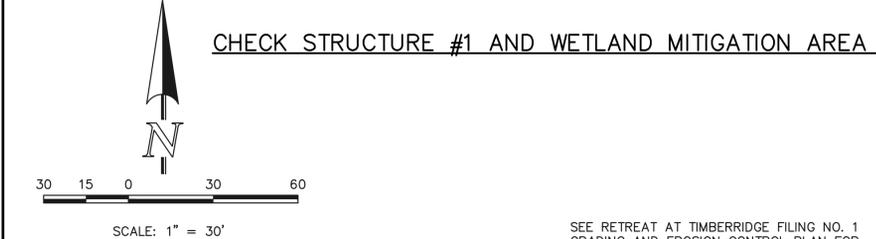
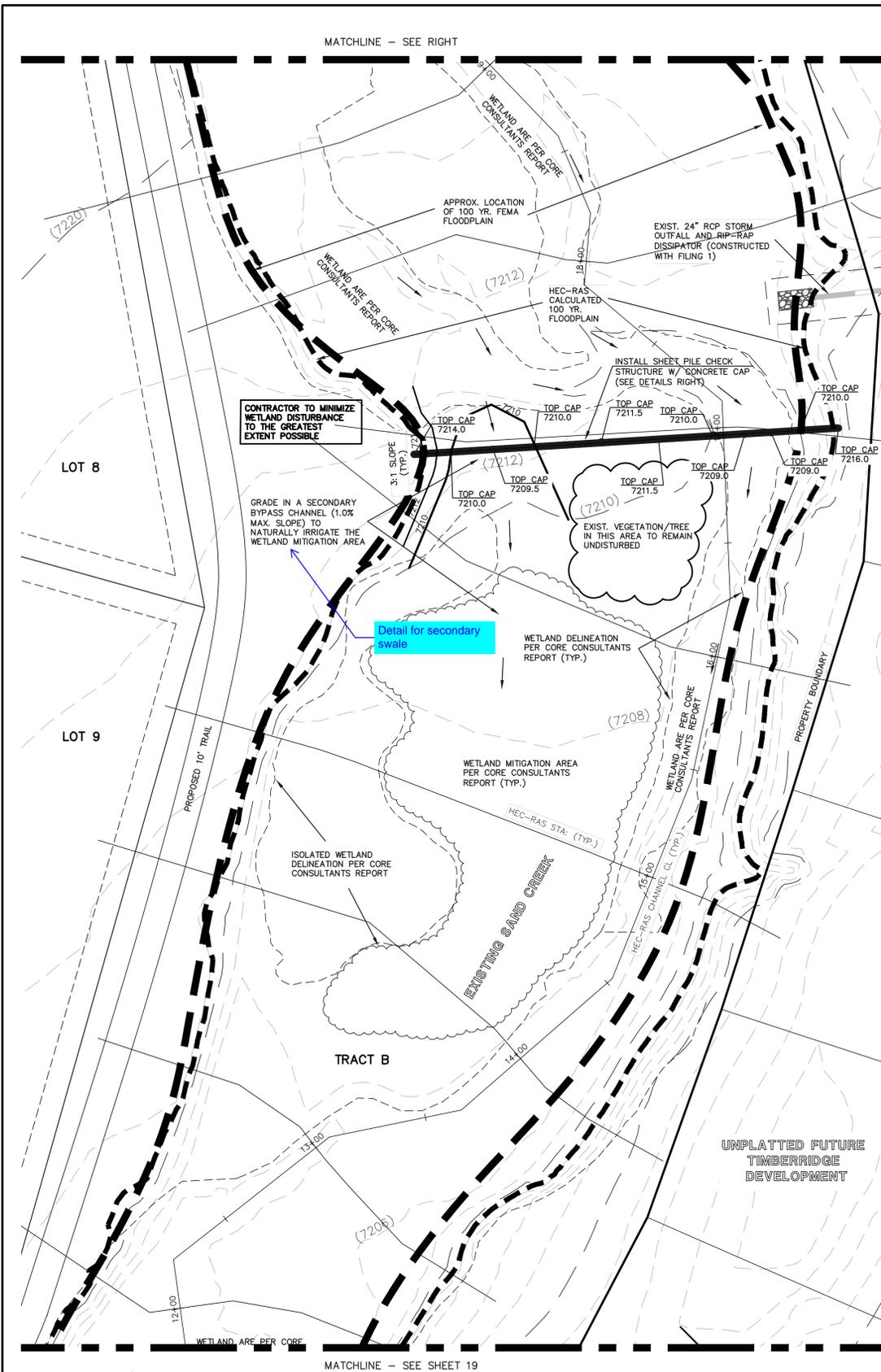


Figure 9-27. Check structure details (Part 2 of 3)

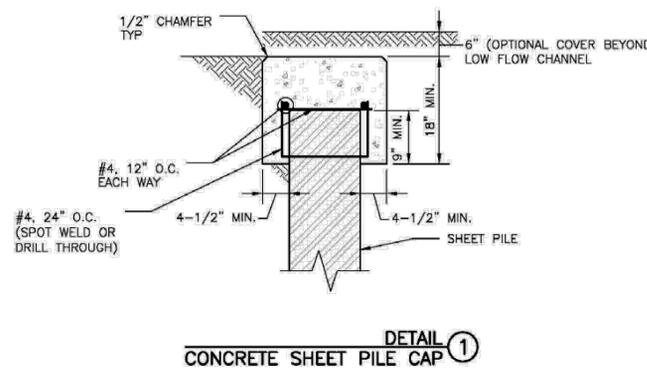


Figure 9-28. Check structure details (Part 3 of 3)

48 HOURS BEFORE YOU DIG,  
CALL UTILITY LOCATORS  
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| NO. | REVISION | DATE |
|-----|----------|------|
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |
|     |          |      |

REVIEW:  
PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF  
CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

MARC A. WHORTON, COLORADO P.E. #37155 DATE

619 N. Cascade Avenue, Suite 200  
Colorado Springs, Colorado 80903

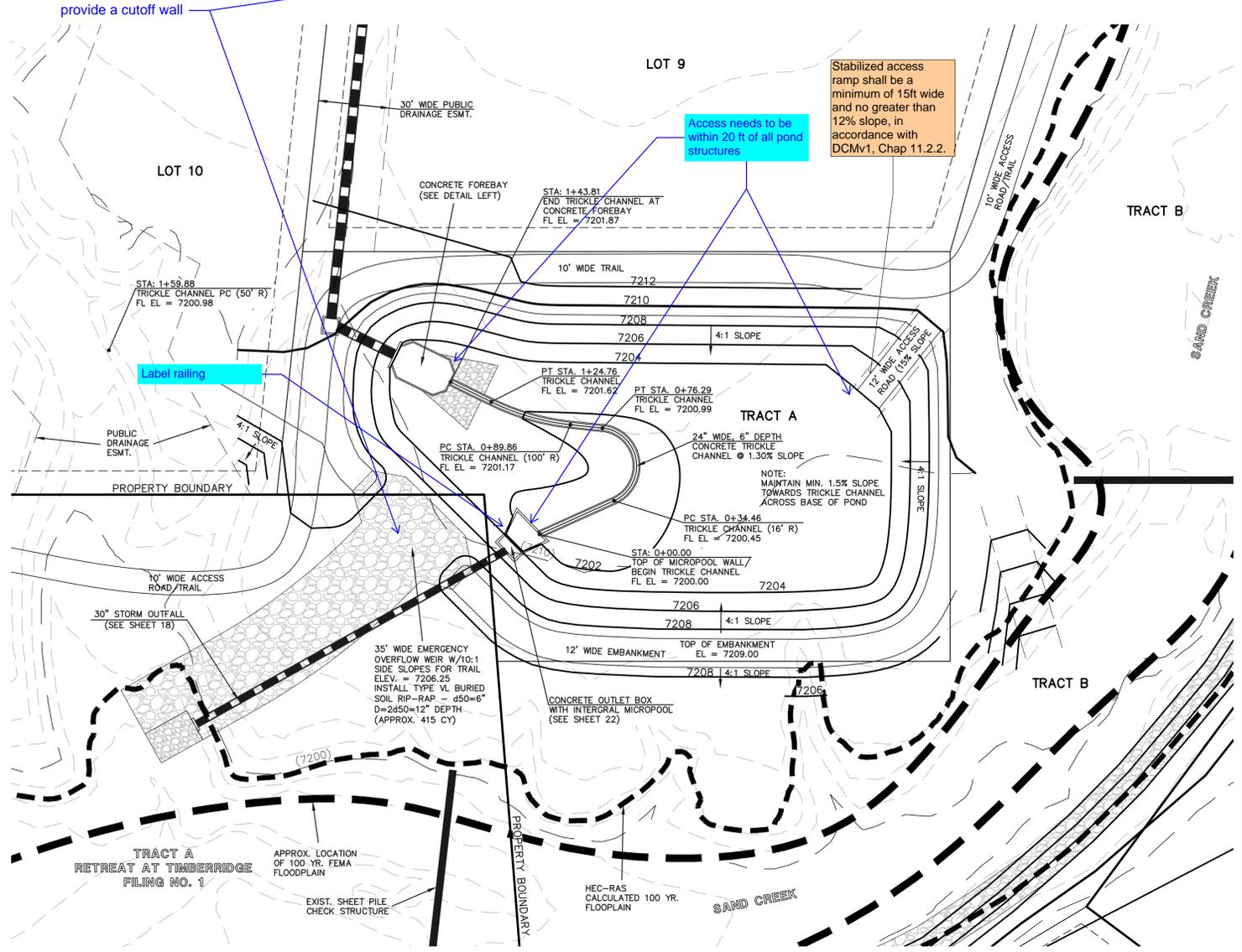
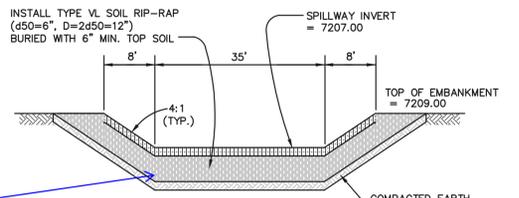
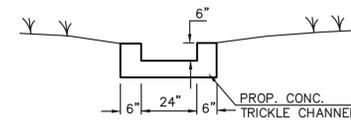
(719) 785-0790  
(719) 785-0799 (Fax)

RETREAT AT TIMBERRIDGE FILING NO. 2  
CONSTRUCTION PLANS  
CHECK STRUCTURES AND  
WETLAND MITIGATION AREA

DESIGNED BY MAW SCALE DATE 4-15-21  
DRAWN BY MAW (H) 1" = 30' SHEET 20 OF 24  
CHECKED BY (V) 1" = N/A JOB NO. 1185.20

CLASSIC CONSULTING

Include detail for maintenance access road



Stabilized access ramp shall be a minimum of 15ft wide and no greater than 12% slope, in accordance with DCMv1, Chap 11.2.2.

Access needs to be within 20 ft of all pond structures

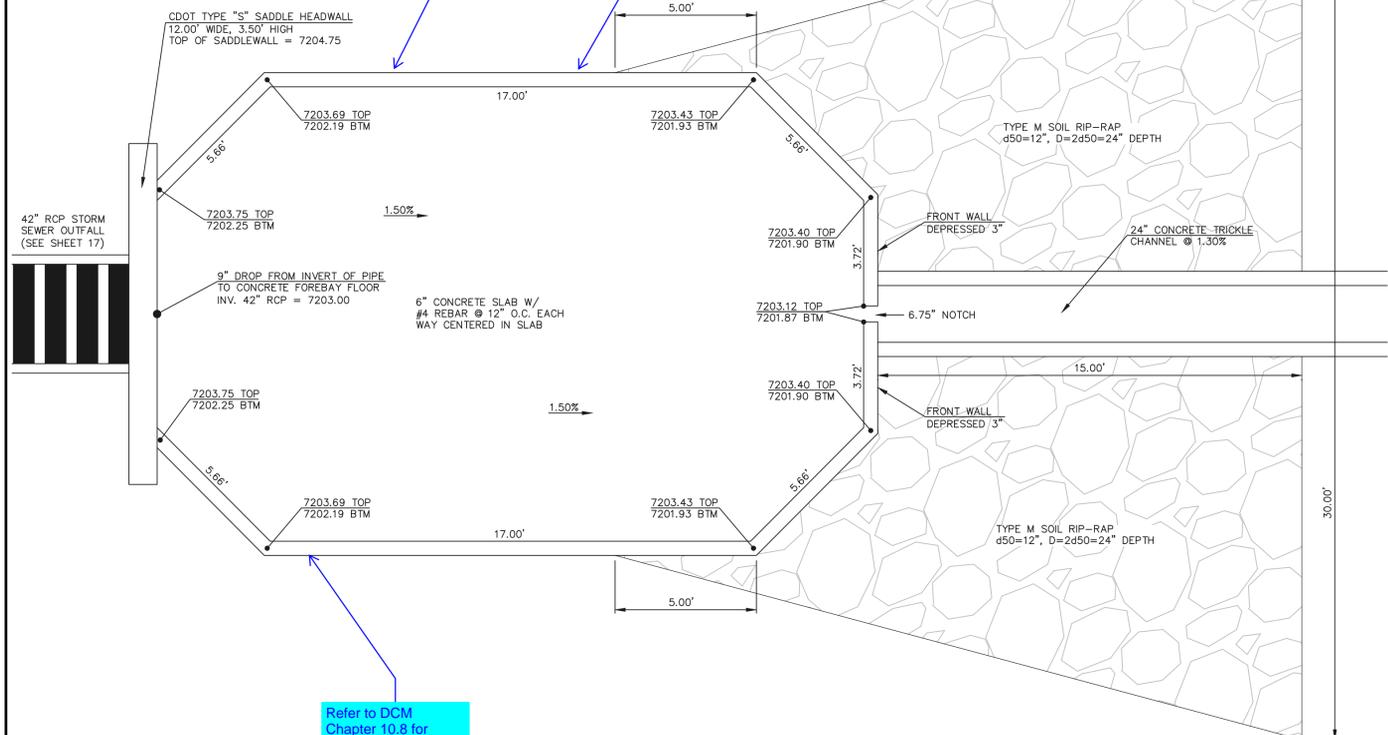
provide a cutoff wall

Label railing

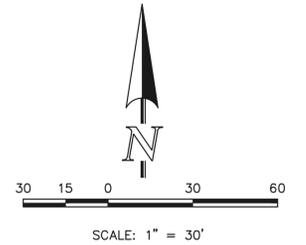
Any reinforcement for wall? total height/bury of wall? footer?

Length & width of forebay?

Refer to DCM Chapter 10.8 for dissipator design requirements

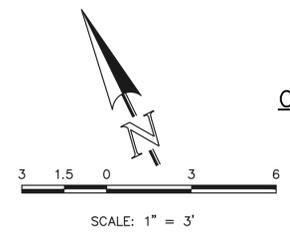


DETENTION FACILITY POND 3



SEE RETREAT AT TIMBERIDGE FILING NO. 2 GRADING AND EROSION CONTROL PLAN FOR EROSION CONTROL DETAILS.

CONCRETE FOREBAY & RIP-RAP SWALE



48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS  
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IT'S THE LAW

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| NO. | REVISION                    | DATE     |
|-----|-----------------------------|----------|
| 1   | REVISED PER COUNTY COMMENTS | 09-20-21 |

REVIEW:  
PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

MARC A. WHORTON, COLORADO P.E. #37155 DATE

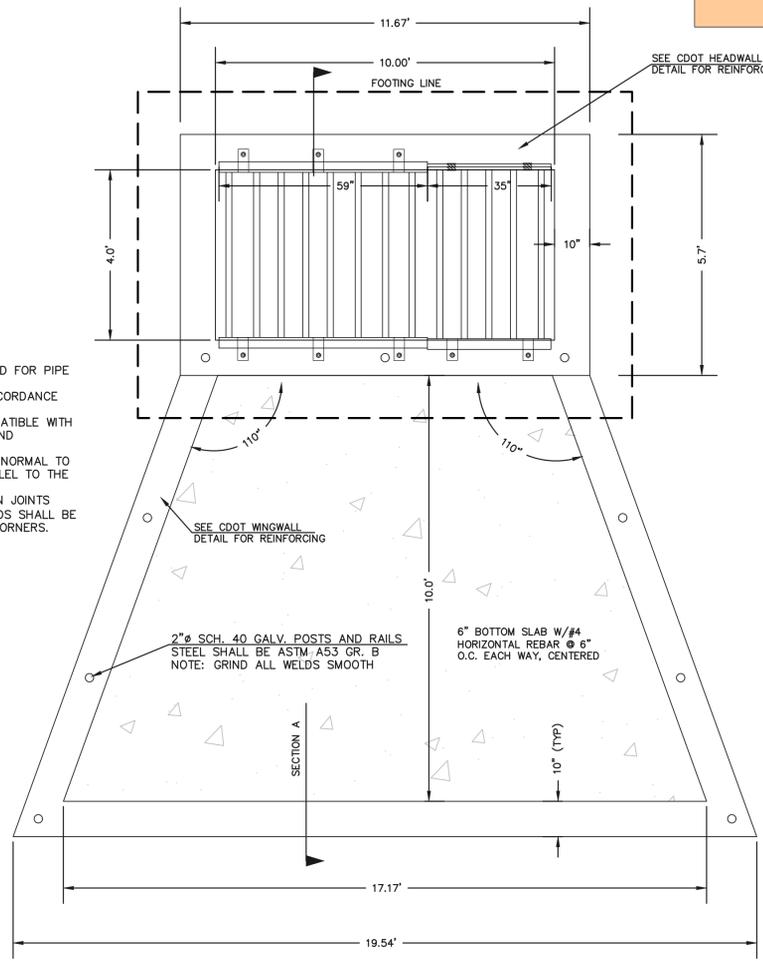
619 N. Cascade Avenue, Suite 200  
Colorado Springs, Colorado 80903  
(719) 785-0790  
(719) 785-0799 (Fax)

| DESIGNED BY | SCALE        | DATE     |
|-------------|--------------|----------|
| MAW         | (H) 1" = 30' | 03-25-21 |
| DRAWN BY    | SCALE        | SHEET    |
| MAW         | (V) 1" = N/A | 21 OF 24 |
| CHECKED BY  | SCALE        | JOB NO.  |
|             |              | 1185.20  |

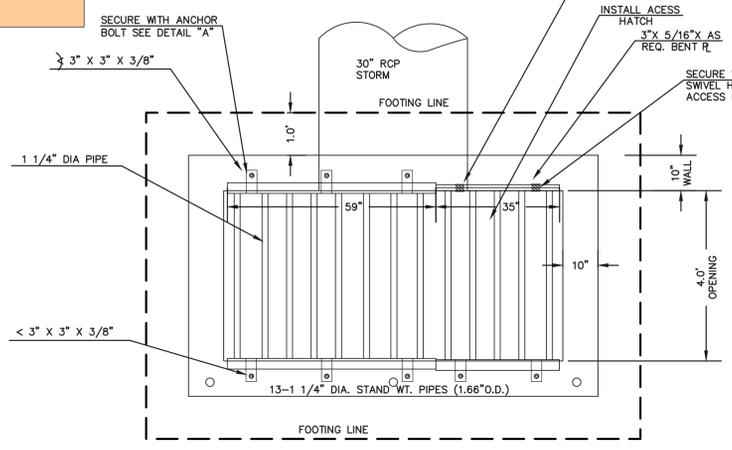
RETREAT AT TIMBERIDGE FILING NO. 2  
CONSTRUCTION PLANS  
DETENTION FACILITY POND 3  
POND PLAN

Provide roadway detail/cross section, including stone sizing and gradation.

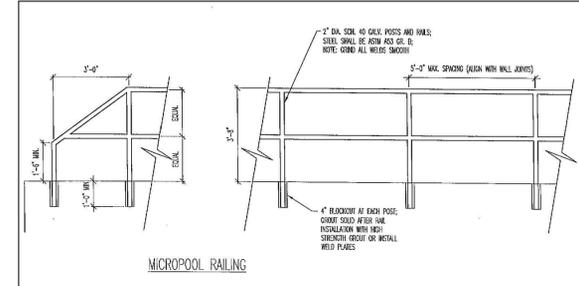
- NOTES:
1. WELD PLATES MAY BE SUBSTITUTED FOR PIPE EMBEDMENT.
  2. DESIGN CRITERIA SHALL BE IN ACCORDANCE WITH AASHTO STANDARDS.
  3. HANDRAIL DESIGN SHALL BE COMPATIBLE WITH THE DESIGN OF THE WINGWALLS AND HEADWALLS.
  4. RAILING POSTS SHALL BE SET TO NORMAL TO GRADE. RAILS SHALL RUN PARALLEL TO THE SLOPES OF TOPS OF THE WALLS.
  5. ALL RAILS SHALL HAVE EXPANSION JOINTS SPACED AT 40'-0" MAX. JOINT ENDS SHALL BE FREE OF ANY SHARP EDGES OR CORNERS.



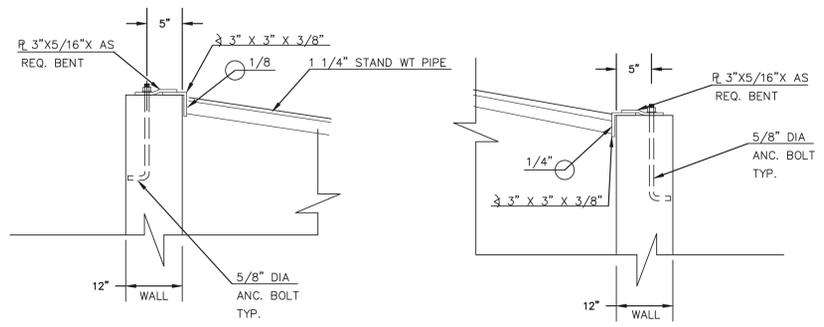
CONCRETE MICROPOOL  
SCALE 1" = 2"



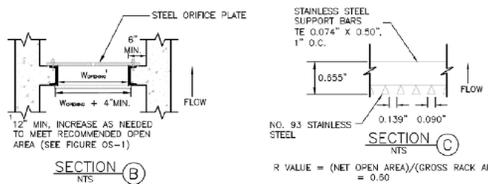
10'x4' OUTLET BOX OVERFLOW TRASH RACK  
SCALE 1" = 2"



OUTLET BOX RAILING  
N.T.S.

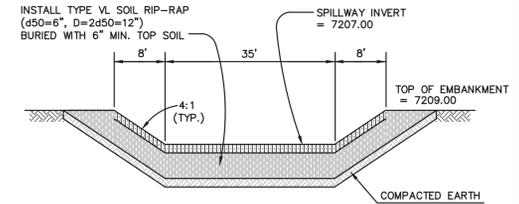


SECTION A  
TYPICAL EMBANKMENT WITH SOIL KEYWAY  
SCALE: N.T.S.

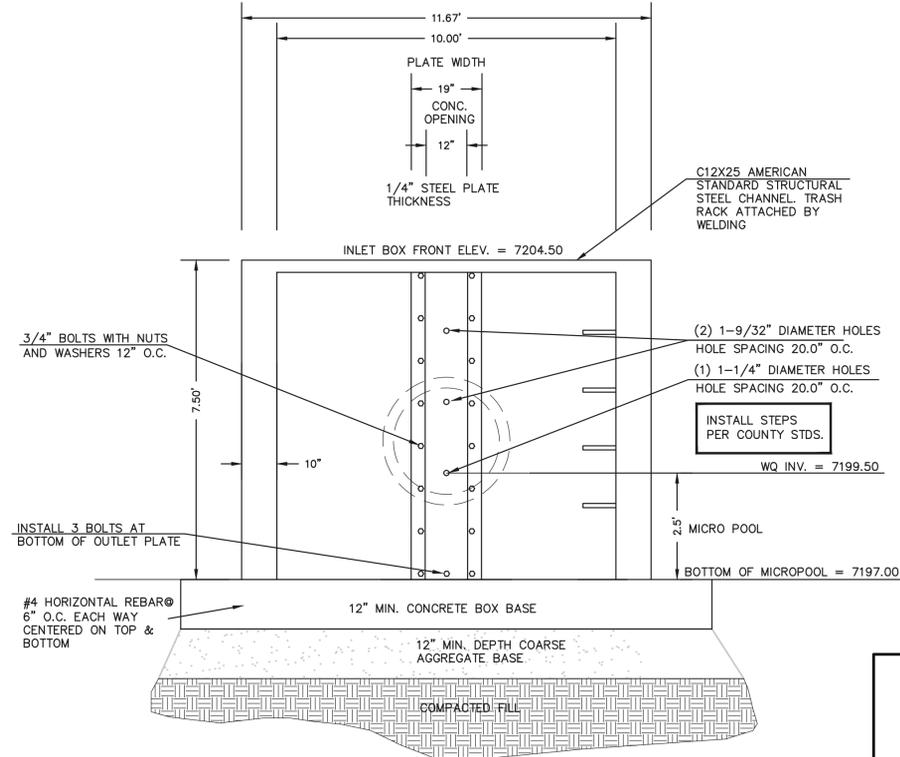


SECTION (B)  
N.T.S.

SECTION (C)  
N.T.S.



EMERGENCY SPILLWAY  
CROSS SECTION  
SCALE: N.T.S.



10'x4' OUTLET BOX ORIFICE PLATE  
SCALE 1" = 2"

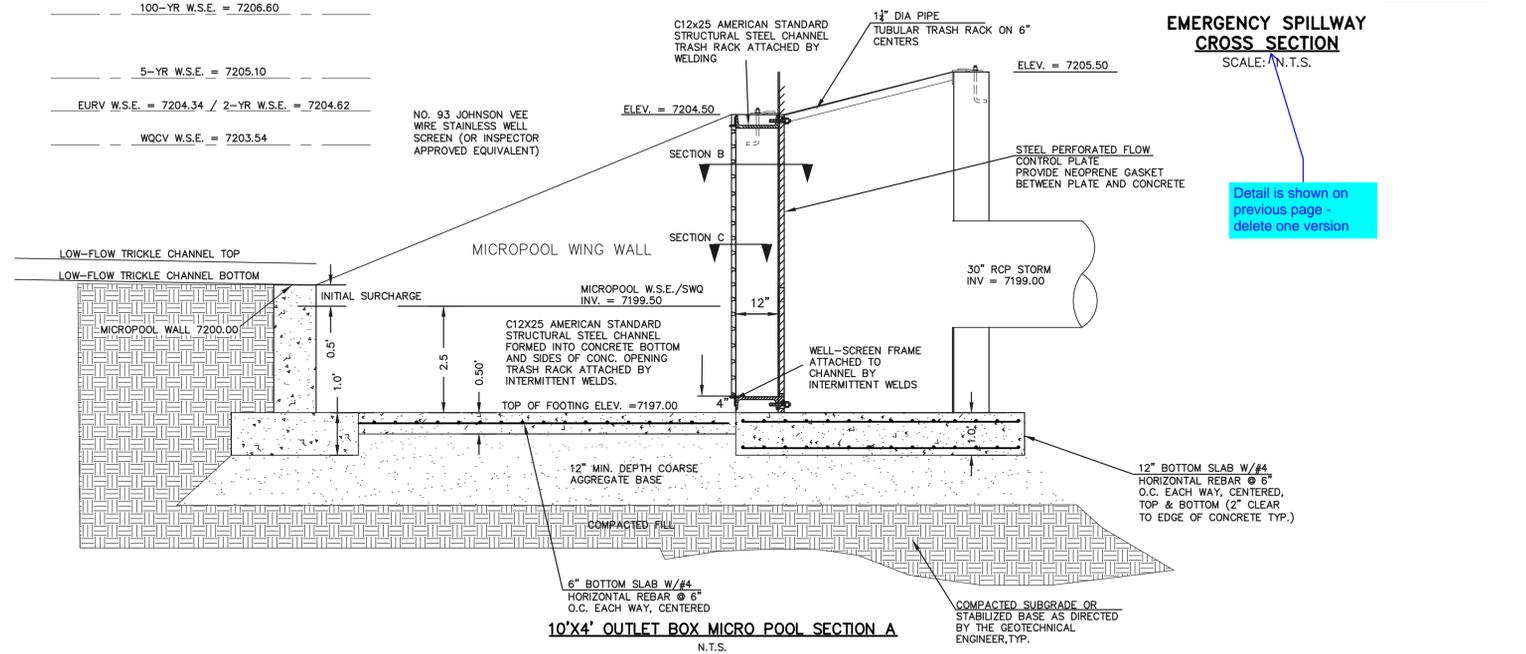
(ALL MATERIALS PER EL PASO COUNTY SPECIFICATIONS)

- ORIFICE PLATE NOTES:
1. INSTALL HOLES AS SHOWN ON DETAIL TO LEFT.
  2. PROVIDE GASKET MATERIAL BETWEEN THE ORIFICE PLATE AND CONCRETE.

- EURV AND WQCV TRASH RACKS:
3. WELL-SCREEN TRASH RACKS SHALL BE STAINLESS STEEL AND SHALL BE ATTACHED BY INTERMITTENT WELDS ALONG THE EDGE OF THE MOUNTING FRAME.
  4. BAR GRATE TRASH RACKS SHALL BE ALUMINUM AND SHALL BE BOLTED USING STAINLESS STEEL HARDWARE.
  5. STRUCTURAL DESIGN OF TRASH RACKS SHALL BE BASED ON FULL HYDROSTATIC HEAD WITH ZERO HEAD DOWNSTREAM OF RACK.

- OVERFLOW TRASH RACKS:
1. ALL TRASH RACKS SHALL BE MOUNTED USING STAINLESS STEEL HARDWARE AND PROVIDED WITH HINGED AND LOCKABLE OR BOLTABLE ACCESS PANELS.
  2. TRASH RACKS SHALL BE STAINLESS STEEL, ALUMINUM, OR STEEL. TRASH RACKS SHALL BE HOT DIP GALVANIZED AND MAY BE HOT POWDER COATED AFTER GALVANIZING.
  3. TRASH RACKS SHALL BE DESIGNED SUCH THAT THE DIAGONAL DIMENSION OF EACH OPENING IS SMALLER THAN THE DIAMETER OF THE OUTLET PIPE.
  4. STRUCTURAL DESIGN OF THE TRASH RACKS SHALL BE BASED ON FULL HYDROSTATIC HEAD WITH ZERO HEAD DOWNSTREAM OF THE RACK.

|   |
|---|
| 100-YR W.S.E. = 7206.60                       |
| 5-YR W.S.E. = 7205.10                         |
| EURV W.S.E. = 7204.34 / 2-YR W.S.E. = 7204.62 |
| WQCV W.S.E. = 7203.54                         |



10'x4' OUTLET BOX MICRO POOL SECTION A  
N.T.S.

48 HOURS BEFORE YOU DIG,  
CALL UTILITY LOCATORS  
**811**  
UTILITY NOTIFICATION CENTER OF COLORADO  
IT'S THE LAW

THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

| NO. | REVISION                    | DATE     |
|-----|-----------------------------|----------|
| 1   | REVISED PER COUNTY COMMENTS | 09-20-21 |

REVIEW:  
PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF CLASSIC CONSULTING ENGINEERS AND SURVEYORS, LLC

MARC A. WHORTON, COLORADO P.E. #37155 DATE



RETREAT AT TIMBERIDGE FILING NO. 2  
CONSTRUCTION PLANS  
DETENTION FACILITY 3  
OUTLET BOX DETAILS

DESIGNED BY MAW SCALE DATE 03-23-21  
DRAWN BY MAW (H) 1" = N/A SHEET 22 OF 24  
CHECKED BY (V) 1" = N/A JOB NO. 1185.20





