STATE HIGHWAY 105 / JACKSON CREEK PARKWAY - PHASE 2

COUNTY OF EL PASO, TOWN OF MONUMENT, STATE OF COLORADO

CONSTRUCTION PLANS

FEBRUARY 2023

EL PASO COUNTY GENERAL CONSTRUCTION NOTES:

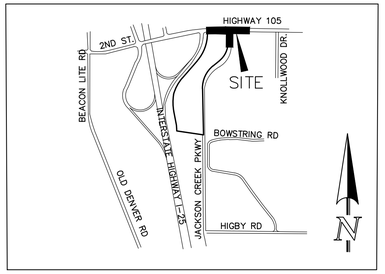
1. THE LOCATION OF EXISTING UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND MAY NOT INCLUDE ALL UTILITIES. THE EXCAVATION CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATED AND PRESERVE ANY AND ALL UTILITIES.
2. BEFORE COMMENCING ANY EXCAVATION, CALL **1-800-922-1987** FOR EXISTING UTILITY LOCATIONS.
3. 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.
4. 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).
5. ALL STATIONING IS CENTERLINE UNLESS OTHERWISE INDICATED. ALL ELEVATIONS ARE CENTERLINE UNLESS OTHERWISE INDICATED.
6. 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.
7. ALL DISTURBED PAVEMENT EDGES SHALL BE CUT TO NEAT LINES. REPAIR SHALL CONFORM TO THE EPC ECM APPENDIX K – 1.2C.
8. ADDITIONAL EROSION CONTROL STRUCTURES MAY BE REQUIRED AT THE TIME OF CONSTRUCTION.
9. BUILDING CONTRACTORS WILL BE RESPONSIBLE FOR CONSTRUCTING POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES.
10. 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.
11. 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.
12. 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
13. 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:

1. 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.
2. 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).
3. 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:
   a. EL PASO COUNTY ENGINEERING CRITERIA MANUAL (ECM)
   b. CITY OF COLORADO SPRINGS/EL PASO COUNTY DRAINAGE CRITERIA MANUAL, VOLUMES 1 AND 2
   c. COLORADO DEPARTMENT OF TRANSPORTATION (CDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION
   d. CDOT M & S STANDARDS
4. 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.
5. 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.
6. CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT – INSPECTIONS, PRIOR TO STARTING CONSTRUCTION.
7. 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.
8. 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.
9. 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.
10. 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.
11. ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE AT APPROVED CONSTRUCTION ACCESS POINTS.
12. 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.
13. SIGNING AND STRIPING SHALL COMPLY WITH EL PASO COUNTY DEPARTMENT OF PUBLIC WORKS AND MUTCD CRITERIA.
14. 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.
15. 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.

EL PASO COUNTY SIGNING AND STRIPING NOTES:

1. ALL SIGNS AND PAVEMENT MARKINGS SHALL BE IN COMPLIANCE WITH THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
2. 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.
3. ANY DEVIATION FROM THE STRIPING AND SIGNING PLAN SHALL BE APPROVED BY EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT.
4. 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.
5. STREET NAME AND REGULATORY STOP SIGNS SHALL BE ON THE SAME POST AT INTERSECTIONS.
6. ALL REMOVED SIGNS SHALL BE DISPOSED OF IN A PROPER MANNER BY THE CONTRACTOR.
7. 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."
8. ALL TRAFFIC SIGNS SHALL HAVE A MINIMUM HIGH INTENSITY PRISMATIC GRADE SHEETING.
9. 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.
10. ALL SIGNS SHALL BE SINGLE SHEET ALUMINUM WITH 0.100" MINIMUM THICKNESS.
11. 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. CROSSWALKS LINES SHALL BE 24" WIDE AND 9' LONG.
12. 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.
13. THE CONTRACTOR SHALL NOTIFY EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT **(719) 520-6819** PRIOR TO AND UPON COMPLETION OF SIGNING AND STRIPING.
14. 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.

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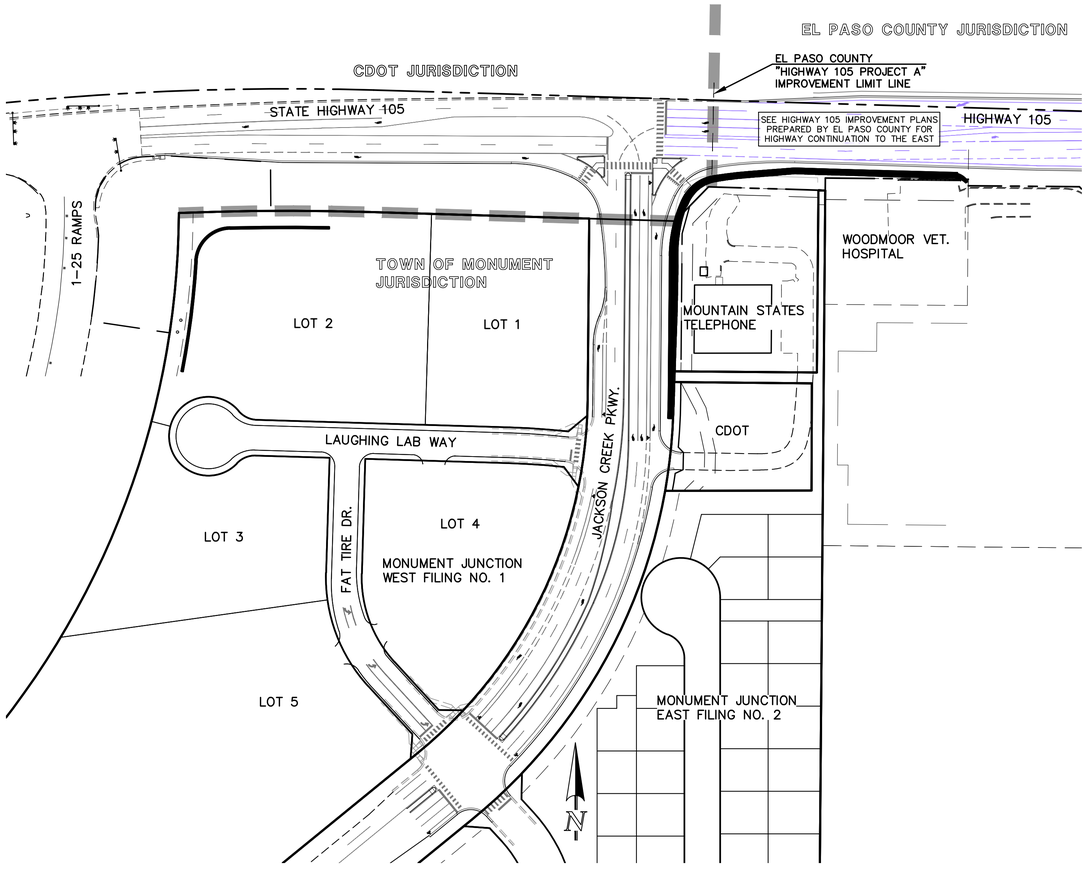

KEY MAP
1" = 100'

AGENCIES

DEVELOPER:	ELITE PROPERTIES OF AMERICA, INC. 2138 FLYING HORSE CLUB DR. COLORADO SPRINGS, CO 80921 MR. STEVE SCHLOSSER, (719) 592-9333
CIVIL ENGINEER:	CLASSIC CONSULTING 619 N. CASCADE AVENUE, SUITE 200 COLORADO SPRINGS, COLORADO 80903 MR. MARC A. WHORTON, P.E. (719) 785-2802
COLORADO DEPARTMENT OF TRANSPORTATION, PERMIT REVIEW:	REGION 2 – ACCESS 5615 WILLS BOULEVARD PUEBLO, COLORADO 81008 MS. MICHELLE REGALDO (719) 546-5416
COLORADO DEPARTMENT OF TRANSPORTATION, NORTH PROGRAM	REGION 2 – NORTH PROGRAM 1480 QUAIL LAKE LOOP ROAD, SUITE A COLORADO SPRINGS, COLORADO 80906 MR. ANDY STECKLEIN, P.E. (719) 227-3264
COLORADO DEPARTMENT OF TRANSPORTATION, ENVIRONMENTAL / ROW	REGION 2 – ACCESS 5615 WILLS BOULEVARD PUEBLO, COLORADO 81008 MR. GABRIEL COSYLEON (719) 562-5528 (ENV. MANAGER) MR. AMBER BILLINGS (719) 227-5725 (ROW MANAGER)
COUNTY ENGINEERING:	EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT 2880 INTERNATIONAL CIRCLE, SUITE 110 COLORADO SPRINGS, COLORADO 80910 MR. GILBERT LAFORCE (719) 520-7945
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
TELEPHONE COMPANY:	U.S. WEST COMMUNICATIONS (LOCATORS) (800) 922-1987

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 — DATE
FOR AND ON THE BEHALF OF CLASSIC CONSULTING ENGINEERS & SURVEYORS

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.

STEVE SCHLOSSER — DATE

TOWN OF MONUMENT APPROVAL:

THESE PLANS HAVE BEEN REVIEWED BY TOWN OF MONUMENT STAFF AND FOUND TO BE IN GENERAL COMPLIANCE WITH TOWN STANDARDS. IT IS THE RESPONSIBILITY OF THE SITE ENGINEER AND GENERAL CONTRACTOR TO ENSURE CONSTRUCTION IS IN COMPLIANCE WITH THESE PLANS AND IN CONFORMANCE WITH THE TOWN OF MONUMENT ORDINANCES AND REGULATIONS. THE SPECIFICATIONS, STANDARDS, AND INTENT OF THE TOWN OF MONUMENT ORDINANCES, REGULATIONS AND THE CITY OF COLORADO SPRINGS DRAINAGE CRITERIA MANUALS VOLUMES 1 AND 2 SHALL PREVAIL IN ANY INSTANCES WHERE THESE PLANS DIFFER FROM THOSE REQUIREMENTS. THE DEVELOPMENT SERVICES DEPARTMENT SHALL BE NOTIFIED IF ANY CHANGES NEED TO BE MADE.

THIS REVIEW IS ONLY FOR THE PROPOSED CONSTRUCTION ON JACKSON CREEK PARKWAY.

SIGNED _____ DATE _____
TOWN OF MONUMENT

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.

THIS REVIEW IS ONLY FOR THE PROPOSED CONSTRUCTION IN HIGHWAY 105, EAST OF JACKSON CREEK PARKWAY.

JOSHUA PALMER, P.E. — DATE
COUNTY ENGINEER / ECM ADMINISTRATOR

EDARP PROJECT NUMBER: CDR237

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 CDOT/COUNTY COMMENTS	5/11/23
2	REVISED STORM PER MEETING WITH COUNTY	1/24/24

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

STATE HIGHWAY 105 / JACKSON CREEK PKWY. – PHASE 2 CONSTRUCTION PLANS
ROADWAY IMPROVEMENT PLANS
TITLE SHEET

CLASSIC CONSULTING

DESIGNED BY	PRA	SCALE		DATE	02-23-23
DRAWN BY	PRA	(H) 1"=VARIES		SHEET	1 OF 26
CHECKED BY		(V) 1"= N/A		JOB NO.	1302.22

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CDOT GENERAL NOTES

1. ALL CONSTRUCTION MATERIALS, TECHNIQUES, AND PROCEDURES WITHIN THE HIGHWAY LIMITS SHALL BE IN CONFORMANCE WITH THE COLORADO DEPARTMENT OF TRANSPORTATION (CDOT) STANDARD SPECIFICATIONS FOR ROAD CONSTRUCTION AS SET FORTH IN THE LATEST "M & S" STANDARDS MANUAL.
2. A FULLY EXECUTED COMPLETE COPY OF THE ACCESS PERMITS AND A VALID NOTICE TO PROCEED TO CONSTRUCTION MUST BE ON THE JOB SITE WITH THE CONTRACTOR AT ALL TIMES DURING CONSTRUCTION.
3. ANY ADDITIONAL PERMITS AND CLEARANCES REQUIRED BY OTHER FEDERAL, STATE, AND LOCAL GOVERNMENT AGENCIES IS THE RESPONSIBILITY OF THE OWNER/DEVELOPER.
4. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE AND LOCATION OF ALL UNDERGROUND UTILITIES ALONG THE ROUTE OF HIGHWAY CONSTRUCTION. THE OMISSION FROM OR THE INCLUSION OF UTILITY LOCATIONS ON THE PLANS IS NOT TO BE CONSIDERED AS THE NONEXISTENCE OF OR A DEFINITE LOCATION OF EXISTING UNDERGROUND UTILITIES.
5. 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.
6. ALL STATIONING IS CENTERLINE UNLESS OTHERWISE INDICATED. ALL ELEVATIONS ARE CENTERLINE UNLESS OTHERWISE INDICATED.
7. FIVE WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE OWNER/CONTRACTOR MUST CONTACT MR. RON YOUNG (719) 289–8718, CDOT ACCESS/TRAFFIC MANAGER, TO COORDINATE CONSTRUCTION.
8. WORK SHALL BEGIN AFTER 8:30 AM AND ALL EQUIPMENT SHALL BE OUT OF THE RIGHT–OF–WAY BEFORE 3:00 PM DURING SCHOOL HOURS/DAYS. NO WORK IS ALLOWED WITHIN THE HIGHWAY RIGHT–OF–WAY ON WEEKENDS OR STATE/FEDERAL HOLIDAYS. NO CONSTRUCTION VEHICLES SHALL BE PARKED, OR CONSTRUCTION MATERIALS STOCKPILED IN THE HIGHWAY RIGHT–OF–WAY OVERNIGHT. NO PRIVATE VEHICLES MAY BE PARKED IN THE HIGHWAY RIGHT–OF–WAY AT ANY TIME DURING CONSTRUCTION.
9. TWO WAY TRAFFIC SHALL BE MAINTAINED THROUGHOUT THE WORK AREA AT ALL TIMES.
10. ALL SIGNS SHALL BE MANUFACTURED IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.). THE SHEETING FOR THE SIGNS BE HIGHWAY INTENSITY SHEETING (ASTM TYPE IV RETRO REFLECTIVE SHEETING).
11. ALL DISTURBED PAVEMENT EDGES SHALL BE CUT TO NEAT LINES 1' FROM EXISTING EDGE OF PAVEMENT. NEW SURFACING FOR THE ACCESS AND THE HIGHWAY WIDENING SHALL BE A FULL DEPTH TOTAL OF 7 INCHES OF COMPACTED HOT MIX ASPHALT (HMA), GRAD–S(100), PG. 58–28 OR PG. 64–22 (WITH 1% LIME) PLACED IN 3 LIFTS, OVER 12 INCHES OF CEMENT TREATED SUBGRADE, OVER COMPACTED RANDOM FILL SUBGRADE WITH A MINIMUM R–VALUE OF 17 CONFIRMED WITH R2 MATERIALS.
12. PLACEMENT AND COMPACTION OF HOT MIX ASPHALT (HMA) SHALL COMPLY WITH SECTION 401 OF THE 2005 CDOT STANDARD SPECIFICATIONS AS WELL AS THE LATEST CDOT STANDARD SPECIAL PROVISIONS.
13. PLACEMENT AND COMPACTION OF SUB–GRADE, EMBANKMENTS, AND BACKFILLS SHALL COMPLY WITH SECTION 203 OF THE CDOT STANDARD SPECIFICATIONS AS WELL AS THE LATEST CDOT STANDARD SPECIAL PROVISIONS.
14. SOIL PREPARATION INCLUDING TOPSOIL, SEEDING, AND MULCHING IS REQUIRED WITHIN THE HIGHWAY RIGHT–OF–WAY ON ALL DISTURBED AREAS NOT SURFACED AND THOSE AREAS BEYOND THE HIGHWAY THAT MAY ERODE AND SEND DEBRIS INTO THE HIGHWAY RIGHT–OF–WAY.
15. ADDITIONAL EROSION CONTROL STRUCTURES MAY BE REQUIRED AT THE TIME OF CONSTRUCTION.
16. WIDENED AREAS OF THE ROADWAY SHALL BE A MINIMUM OF 20–YEAR DESIGN LIFE.
17. OVERLAY OF EXISTING PAVEMENT SHALL ALSO BE A MINIMUM OF 20–YEAR DESIGN LIFE TO AVOID DIFFERING MAINTENANCE ISSUES BETWEEN THE OVERLAY SECTION AN THE NEW PAVEMENT WIDENING.
18. WATER SHALL BE USED AS A DUST PALLIATIVE WHERE REQUIRED. COST OF WATER SHALL BE INCLUDED IN THE WORK.
19. THIS DESIGN IS IN FULL COMPLIANCE WITH SECTION 4 OF THE STATE HIGHWAY ACCESS CODE, 2 CCR 601–1 EXCEPT FOR THE FOLLOWING APPROVED VARIANCES: NONE
20. THIS DESIGN IS IN FULL COMPLIANCE WITH TITLE II ADA ACCESSIBILITY REQUIREMENTS EXCEPT FOR THE FOLLOWING APPROVED VARIANCES: NONE

COLORADO DEPARTMENT OF TRANSPORTATION:

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

EL PASO COUNTY TRAFFIC SIGNAL NOTES

1. THE CONTRACTOR HALL PROVIDE, FOR REVIEW, BY THE ENGINEER, A COMPLETE TRAFFIC SIGNAL MATERIAL SUBMITTAL PACKAGE THAT CONTAINS, ALL OF THE PROPOSED TRAFFIC SIGNAL EQUIPMENT, INCLUDING MATERIAL SPECIFICATIONS AND DESCRIPTIONS THAT WILL BE NECESSARY TO COMPLETE THE TRAFFIC SIGNAL WORK. THE CONTRACTOR SHALL ALLOW FOR A MINIMUM THREE-WEEK SUBMITTAL REVIEW PERIOD AND SHALL NOT ORDER ANY SIGNAL EQUIPMENT UNTIL AFTER A REVIEW OF ALL SUBMITTALS HAVE BEEN COMPLETED BY THE ENGINEER AND VERIFIED BY THE CONTRACTOR.
2. FUNCTIONAL AND OPERATIONAL RESPONSIBILITY FOR ALL NEWLY INSTALLED AND EXISTING TRAFFIC SIGNAL EQUIPMENT WILL BECOME THE RESPONSIBILITY OF THE CONTRACTOR UNTIL FINAL ACCEPTANCE OF THE PROJECT. THE CONTRACTOR SHALL CONSIDER THIS WORK INCIDENTAL TO THE OVERALL WORK BEING PERFORMED AND SHALL BE INCLUDED AS PART OF THE PROJECT.
3. SEE COLORADO DEPARTMENT OF TRANSPORTATION SIGNAL DETAILS FOR CONSTRUCTION/ INSTALLATION DETAILS NOT SHOWN ON THESE PLANS.
4. ALL SIGNAL EQUIPMENT REMOVED BY THE CONTRACTOR SHALL BE SALVAGED AND BECOME THE PROPERTY OF EL PASO COUNTY. THE SALVAGED EQUIPMENT SHALL BE DELIVERED AS DIRECTED BY THE ENGINEER. DELIVERY OF THE SIGNAL EQUIPMENT WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE WORK FOR REMOVAL OF TRAFFIC SIGNAL EQUIPMENT.
5. OVERHEAD STREET NAME SIGN DESIGN AND LAYOUT INFORMATION SHALL BE PER THE STREET MANE SIGN DETAIL CONTAINED IN THE PROJECT PLAN.
6. TRAFFIC SIGNS MOUNTED ON SIGNAL POLES, MAST ARMS, AND PEDESTALS SHALL BE MOUNTED USING BANDING, ALUMINUM CHANNELS, AND BACKING ZEES PER APPLICABLE COOT STANDARD PLANS, OR SIMILAR RIGID SIGN BRACING MOUNTING ASSEMBLY.
7. ONCE THE PROFESSIONAL ENGINEERING CONSULTANT HAS COMPLETED ALL TRAFFIC SIGNAL CONTROLLER TIMING DEVELOPMENT AND CONTROLLER PROGRAMMING, THE CONTRACTOR WILL COORDINATE THE DELIVERY DATE OF THE PROGRAMMED TRAFFIC SIGNAL CONTROLLER FOR REVIEW OF EPC DEPARTMENT OF PUBLIC WORKS, HIGHWAY DIVISION SIGNAL SHOP AND ALLOW FOR A MINIMUM TWO-WEEK REVIEW PERIOD, AFTER WHICH TIME THE CONTRACTOR MAY MAKE ARRANGEMENTS FOR PICKING UP THE SIGNAL CONTROLLER.
8. CONTROLLER CABINET SHALL BE FURNISHED WITH A "BEST" DOOR LOCK KIT LOCK AND CODE IS "BEST": 5L6R LEFT AND RIGHT.
9. CONDUIT IS TO BE REPLACED IN THE EVENT THAT EXISTING CONDUIT IS DAMAGED AND AS DIRECTED BY THE ENGINEER.
10. ELECTRICAL SERVICE DISCONNECT BOXES SHALL BE LOCKABLE AND WEATHER PROOF WITH NEMA TYPE CIRCUIT BREAKER. ENCLOSURES SHALL BE PROVIDED AT THE CONNECTION POINT OF EACH POWER SOURCE OR POINT OF SERVICE AS DIRECTED BY THE ENGINEER.
11. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL WIRING REQUIRED TO COMPLETE THE INSTALLATION AND ESTABLISH THE FUNCTIONALITY OF ALL TRAFFIC SIGNAL EQUIPMENT.
12. ALL INCIDENTAL ITEMS NOT SHOWN IN THE SUMMARY OF APPROXIMATE QUANTITIES OR TABULATION OF SIGNAL EQUIPMENT SHALL BE CONSIDERED TO BE INCLUDED AS PART OF THE TRAFFIC SIGNAL INSTALLATION AND WILL NOT BE MEASURED AND PAID FOR SEPARATELY. ALL QUANTITIES ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK ECESSARY TO COMPLETE THE CONSTRUCTION SHOWN ON THESE PLANS.
13. THE SIGNAL SHALL NOT BE TURNED ON OR STARTED UNTIL DIRECTED BY THE ENGINEER. PRIOR TO SIGNAL ACTIVATION, THE ENGINEER SHALL CONFIRM THAT THE APPROPRIATE PAVEMENT MARKINGS AND SIGNING ARE IN PLACE AND THAT ALL WORK NECESSARY FOR PROPER SIGNAL OPERATION HAS BEEN COMPLETED.
14. THE SIGNAL CONTROLLER SHALL BE A MACCAIN 2070 FLEX ATC CONTROLLER AND THE CONFLICT MONITOR SHALL BE MODEL 2010 ECLIP W/ ETHERNET PORT (EDI). THE CONTROLLER CABINET SHALL BE A COOT SPECIFICATION MODEL 332D WITH BATTERY BACKUP AND AUX RACK AND SHALL CONTAIN ANTI-GRAFFITI SILVER FINISH COATING. THE CABINET SHALL BE MOUNTED ON A CAST-IN-PLACE CONCRETE FOUNDATION PER APPLICABLE COOT'S STANDARDS STANDARD PLAN AND THE CABINET SHALL BE POSITIONED SUCH THAT, WITH THE FRONT DOOR OPEN, BOTH THE CONTROLLER DISPLAY AND THE SIGNAL INSTALLATION BE VISIBLE.
15. LUMINAIRES SHALL CONSIST OF AN ASSEMBLY THAT UTILIZES LEDS AS THE LIGHT SOURCE. IN ADDITION, A COMPLETE LUMINAIRE SHALL CONSIST OF A HOUSING, LED ARRAY, AND ELECTRONIC DRIVER (POWER SUPPLY). ALL LUMINAIRES SHALL BE WIRED 120 VOLTS AC WITH MULTI-TAP HEADS. THE LED FIXTURE MUST HAVE A COLOR TEMPERATURE OF 4100K (+/- SOOK), MUST BE DESIGNED TO OPERATE AT A TEMPERATURE RANGE OF -40°F TO 105°F (-40°C TO 40° C), AND PROVIDE A MINIMUM OF 70,000 HOURS OF OPERATION. LUMINAIRES SHALL BE E-LIGHT-STAR LED STREET LIGHT, OR APPROVED EQUAL. THE CONTRACTOR SHALL PROVIDE A RECOMMENDATION FOR TYPE OF THE STREET LIGHT BASED ON THE CONSTRUCTION PLANS AND MANUFACTURER'S SPECIFICATIONS, TO BE APPROVED BY THE ENGINEER. THE FIXTURE MUST BE CAST ALUMINUM, PROVIDED WITH FUSING, SURGE SUPPRESSION AND MUST BE UL LISTED FOR WET LOCATIONS. THE FIXTURE MUST HAVE AN INTERNAL, WEATHER-TIGHT LED DRIVE. NO ACTIVE COOLING FEATURES (FANS, ETC.) WILL BE ALLOWED. THE FINISHED SHALL MATCH THE EXTENSION ARMS SHAFTS. THE LUMINAIRES WILL BE INSTALLED ON 15 FOOT EXTENSION ARM SHAFTS AT NOMINAL HEIGHT OF 40 FEET AND SHALL BE WELDED TO THE SIGNAL POLE PER CDOT TYPICAL TRAFFIC SIGNAL INSTALLATION DETAILS STANDARD PLAN S-614-40. LUMINAIRE ARM SHAFT SHALL BE IN ACCORDANCE WITH THE PROJECT PLANS.
16. THE INTERSECTION DETECTION SYSTEM (MICROWAVE RADAR) CONTRACT ITEM INCLUDES DEVICE INSTALLATION (I.E., DETECTOR UNIT, HARDWARE, WIRING, PROCESSOR MODULE, ETC.), AND VERIFICATION OF SUCCESSFUL IN-FIELD DETECTION ZONE OPERATION BASED ON SEVERAL VEHICLE ACTUATIONS IN ALL DETECTION ZONES.
17. THE CONTRACTOR SHALL COORDINATE THE SCHEDULES OF THE CONTRACTED PROFESSIONAL ENGINEERING CONSULTANT AND THE EPC DEPARTMENT OF PUBLIC WORKS, HIGHWAY DIVISION TRAFFIC SIGNAL STAFF FOR SCHEDULING THE ON-SITE FIELD IMPLEMENTATION OF ALL TRAFFIC SIGNAL TIMING AND OPERATIONAL PROGRAMMING, VEHICLE DETECTION ZONE PLACEMENT, AND DETECTION EQUIPMENT POSITIONING. THIS WORK SHALL BE SCHEDULED NEAR THE END OF THE PROJECT, PRIOR TO PROJECT ACCEPTANCE, AND ONLY AFTER ALL FINAL PAVEMENT MARKINGS, SIGNING, AND TRAFFIC SIGNAL WORK HAS BEEN COMPLETED.
18. THE MICROWAVE RADAR DETECTION SYSTEM SHALL UTILIZE MS SEDCO INTERSECTOR TC-CK1-SBE WITH INTERFACE BOARD.
19. PEDESTRIAN SIGNAL HEAD INSTALLATION SHALL INCLUDE ALUMINUM AND POWDER COATED GLOSS BLACK SIGNAL HEAD WITH APPROVED LED COUNTDOWN DISPLAY, ALUMINUM OPEN VISOR WITH THE OUTSIDE POWDER COATED GLOSS BLACK, PUSHBUTTON, AND INSTRUCTIONAL R10-3E COUNTDOWN PEDESTRIAN ACTUATION SIGN. PUSHBUTTONS SHALL BE POLERA NAVIGATOR S 2-WIRE PUSH BUTTONS, SPECIFIED AS INS2 5 UN 1-8-8D-ES, OR APPROVED EQUIVALENT. CUSTOM MESSAGING SHALL NOT INTERFERE WITH TRADITIONAL NON-VISUAL FORMATS SPECIFIED IN 4E OF THE MUTCD AND SHALL ONLY PROVIDE ADDITIONAL INFORMATION AS DIRECTED BY THE ENGINEER.
20. ALL TRAFFIC SIGNAL POLES, MAST ARMS, PEDESTALS, AND LUMINAIRE ARMS SHALL HAVE A GLOSS BLACK COAT FINISH OVER HOT DIP GALVANIZED BASE COAT, INSTALLED IN ACCORDANCE WITH THE PAINT MANUFACTURER'S INSTRUCTIONS.
21. ALL SIGNAL POLE AND CONTROLLER LOCATIONS SHOWN ARE APPROXIMATE ONLY. MAST ARMS SHALL BE OF SUFFICIENT LENGTH AND DESIGN TO ALLOW PROPER PLACEMENT OF SIGNAL HEADS AND OVERHEAD SIGNING PER THE PLANS. ACTUAL LOCATIONS SHALL BE STAKED IN THE FIELD AND FIELD VERIFIED BY THE ENGINEER PRIOR TO DRILLING, EXCAVATION, AND ORDERING THE SIGNAL EQUIPMENT AND MAST ARMS. THE LOCATION OF EACH SIGNAL POLE FOUNDATION SHALL BE POTHOLED PRIOR TO DRILLING TO CONFIRM WHETHER OR NOT ANY UTILITY CONFLICTS EXIST.
22. LATERAL OFFSETS FROM THE NEAR EDGE OF TRAFFIC SIGNAL POLES, PEDESTALS, AND CABINETS TO THE FACE OF CURB OR EDGE OF PAVED SHOULDER SHOULD BE AT LEAST SIX FEET, HOWEVER, A MINIMUM LATERAL OFFSET OF AT LEAST FOUR FEET MAY BE PROVIDED FOR CURB OFFSETS. IF NO PAVED SHOULDER EXISTS, A MINIMUM LATERAL OFFSET OF AT LEAST EIGHT FEET SHOULD BE PROVIDED FROM THE EDGE OF PAVEMENT FOR AN AUXILIARY LANE AND A MINIMUM LATERAL OFFSET OF AT LEAST TWELVE FEET SHOULD BE PROVIDED FROM THE EDGE OF PAVEMENT FOR A THROUGH LANE.
23. SHOULD THE CONTRACTOR ENCOUNTER WATER IN THE CAISSON, ANY DE-WATERING METHODS AND NECESSARY PERMITS SHALL BE INCLUDED IN THE COST OF THE CAISSON AND WILL BE CONSIDERED INCIDENTAL TO THE WORK.
24. ALL TRAFFIC SIGNAL COMPONENT PULL BOXES SHALL BE PRE-CAST HIGH DENSITY POLYMER CONCRETE (HDPC) MATERIAL WITH THE FOLLOWING SIZES: 36 INCH X 48 INCH X 18 INCH FOR THE PULL BOX ADJACENT TO THE CONTROLLER CABINET FOUNDATION AND 24 INCH X 36 INCH X 18 INCH FOR THE REMAINING PULL BOXES.
25. TRAFFIC PULL BOX LOCATIONS SHOWN IN THE PROJECT PLANS ARE APPROXIMATE. ACTUAL LOCATIONS SHALL BE VERIFIED IN THE FIELD BY THE ENGINEER. PULL BOXES SHALL BE FLUSH WITH THE FINISHED GROUND SURFACE AND SHALL NOT BE PLACED IN AREAS THAT ARE SUSCEPTIBLE TO WATER RUNOFF OR STANDING WATER. CONDUIT RUNS BETWEEN PULL BOXES SHALL NOT EXCEED APPROXIMATELY 200 FEET AND PULL BOXES SHALL NOT BE LOCATED IN HANDICAP RAMPS, PEDESTRIAN LANDING AREAS, SIDEWALKS, PRIMARY SIDEWALK PATHS, OR ROADWAY PAVEMENT AREAS.

EL PASO COUNTY TRAFFIC SIGNAL NOTES (CONT.)

26. THE CONDUIT NUMBER AND SIZES FOR TYPICAL CONDUIT RUNS INCLUDE THE FOLLOWING FOR A PREEMINENT MAST ARM SIGNAL INSTALLATION.
    - A. BETWEEN THE SIGNAL POLE FOUNDATION AND ADJACENT SIGNAL POLE PULL BOX: TWO (2) 2 INCH AND ONE (1) 3 INCH.
    - B. BETWEEN SIGNAL PULL BOXES: TWO (2) 2 INCH AND THREE (3) 3 INCH.
    - C. BETWEEN THE CONTROLLER CABINET FOUNDATION AND ADJACENT PULL BOX: THREE (3) 2 INCH AND FOUR (4) 3 INCH.
    - D. BETWEEN THE SECONDARY SERVICE PEDESTAL METER FOUNDATION AND THE CONTROLLER CABINET FOUNDATION ONE (1) 2 INCH FOR THE ELECTRICAL SERVICE FEED.
27. ALL CONDUIT AND FITTINGS SHALL BE SCHEDULE 80 PVC AND ALL CONDUIT SHALL HAVE A PULL ROPE LEFT IN THEM WHEN CONSTRUCTION IS COMPLETED. ALL CONDUIT ENTERING THE CABINET FOUNDATION AND PULL BOXES SHALL HAVE BELL END STYLE COUPLINGS ON ALL CONDUIT ENDS.
28. ALL CONDUIT THAT IS DIRECTIONALLY BORED SHALL BE A MINIMUM OF THREE FEET BELOW THE EXISTING PAVEMENT. THIS WORK SHALL AVOID DISTURBING OR DAMAGING EXISTING FACILITIES AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROMPT RECONSTRUCTION, ALTERATION, REPAIR OR MAINTENANCE OF HIGHWAY PROPERTY, AS NECESSARY, TO REPAIR DAMAGE CAUSED BY THE ACCOMMODATION OF THE UTILITY, AND TO RESTORE THE HIGHWAY TO PRE-EXISTING OR BETTER CONDITIONS.
29. ALL SIGNAL CABLE SHALL BE CONTINUOUS FROM CONNECTIONS MADE IN THE HANDHOLE COMPARTMENT OF THE SIGNAL POLE BASE TO THE TERMINAL COMPARTMENT OF THE CONTROLLER CABINET AND SHALL CONTAIN NO SPLICES. EACH SIGNAL HEAD SHALL CONTAIN SEPARATE AND CONTINUOUS SIGNAL CABLE FROM THE SIGNAL HEAD TO THE ABOVE GROUND HANDHOLE AT THE BASE OF THE SIGNAL POLE AND SHALL CONTAIN NO SPLICES.
30. A SEPARATE AND CONTINUOUS 21 CONDUCTOR CABLE SHALL RUN FROM THE CONTROLLER CABINET TO THE HANDHOLE AT EACH SIGNAL POLE AND SHALL CONTAIN NO SPLICES.
31. ALL SIGNS MOUNTED ON SIGNAL POLES, MAST ARMS, AND PEDESTALS SHALL BE MOUNTED USING BANDING ALUMINUM CHANNELS, AND BACKING ZEES PER CDOT TYPICAL POLE MOUNT SIGN INSTALLATIONS STANDARD PLAN S-614-20, OR SIMILAR RIGID SIGN BRACING MOUNTING ASSEMBLY, AS DIRECTED BY THE ENGINEER. MAST ARM SIGNS THAT REQUIRE Z-BRACKETS SHALL BE MOUNTED ON ASTRO-STYLE BRACKETS AND RISERS. THE COST OF ALL HARDWARE FITTINGS, TOOLS, AND EQUIPMENT NECESSARY FOR A COMPLETE INSTALLATION OF MAST ARM SIGNS WILL NOT BE MEASURED AND PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE WORK.
32. ALL CONDUCTORS AND CABINET WIRING SHALL BE COLOR CODED AND PERMANENTLY TAGGED PER ENGINEER DIRECTION AND IN ACCORDANCE WITH THE SIGNAL PHASE NUMBERING AND DETECTION ZONE PHASE NUMBERING INFORMATION CONTAINED IN THE PROJECT PLANS.
33. ALL VEHICLE SIGNAL HEADS SHALL HAVE APPROVED 12 INCH LED INDICATIONS AND SHALL BE ALUMINUM WITH POWDER COATED GLOSS BLACK FINISH AND SHALL CONTAIN 12 INCH ALUMINUM TUNNEL VISORS WITH THE OUTSIDE POWDER COATED GLOSS BLACK. ALL VEHICLE SIGNAL HEADS SHALL HAVE ALUMINUM LOUVERED BACK PLATES WITH POWDER COATED GLOSS BLACK FINISH AND YELLOW RETRO REFLECTIVE BORDER. MAST ARM SIGNAL HEADS SHALL USE ASTRO- TYPE MOUNTING ASSEMBLIES AND SHALL BE INSTALLED APPROXIMATELY LEVEL WITH ONE ANOTHER AT A 17 TO 19 FOOT VERTICAL CLEARANCE ABOVE THE HIGH POINT OF THE PAVEMENT GRADE.
34. FINAL VEHICLE DIRECTION ZONE PLACEMENT AND DIMENSIONS, IN ACCORDANCE WITH THE PROJECT PLAN, AND FINAL SIGNAL PROGRAMMING SHALL BE COMPLETED IN THE FIELD AND THE CONTRACTOR SHALL CONTACT THE ENGINEER FOR COORDINATING AND SCHEDULING THIS WORK.
35. ALL VEHICLE AND PEDESTRIAN SIGNAL HEADS THAT HAVE NOT BEEN PLACED IN SERVICE SHALL BE COVERED WITH PREFABRICATED WEATHER RESISTANT NYLON FORM FITTING SIGNAL FACE COVER MATERIAL. THE SIGNAL FACE SHALL REMAIN COMPLETELY COVERED UNTIL THE SIGNAL HEAD IS PLACED IN SERVICE AND IS FULLY FUNCTIONAL AND OPERATIONAL.
36. ALL DETECTION EQUIPMENT, DETECTION ZONES, AND SIGNAL TIMING OPERATION SHALL BE CONFIRMED IN THE FIELD BY THE PROFESSIONAL ENGINEERING CONSULTANT TO BE ACHIEVING SATISFACTORY TRAFFIC SIGNAL OPERATION.
37. COMMUNICATION SYSTEM SHALL BE A DYMEC ETHERNET SWITCH KY-3170EMX AND CELLULAR MODEM MICROHARD BULLET LTE, WITH CITEL SURGE SUPPRESSION ON ALL THESE COMPONENTS.
38. THE CONTRACTED PROFESSIONAL ENGINEERING TRAFFIC SIGNAL TIMING, CONTROLLER PROGRAMMING AND OPERATION AND OVERALL TRAFFIC SIGNAL OPERATIONAL CONSULTANT SERVICES THAT ARE TO BE RETAINED BY THE OWNER/ DEVELOPER/ DISTRICT SHALL INCLUDE, BUT NOT BE LIMITED TO:
    - A. DEVELOPING ALL TRAFFIC SIGNAL TIMING AND ALL OPERATIONAL PARAMETERS FOR ACHIEVING ISOLATED, FULL-ACTUATED VEHICLE AND PEDESTRIAN INTERSECTION OPERATION AND, WHEN DOCUMENTED TO BE NECESSARY, COORDINATED SIGNAL SYSTEM TIMING PLAN OPERATION DURING VARIOUS TIMES OF THE DAY.
    - B. PROGRAMMING ALL SIGNAL TIMING PARAMETERS INTO THE TRAFFIC SIGNAL CONTROLLER.
    - C. FIELD IMPLEMENTING AND FINE-TUNING/ ADJUSTING ALL TRAFFIC SIGNAL TIMING PARAMETERS, INCLUDING FOLLOW-UP FIELD REVIEWS AS MAY BE NECESSARY.
    - D. DEVELOPING, PROGRAMMING, FIELD IMPLEMENTING, AND FINE-TUNING ALL VEHICLE DETECTION ZONE DIMENSIONS, ZONE LOCATIONS, AND OPERATIONAL PARAMETERS.

ALL OF THE AFOREMENTIONED CONTRACTED PROFESSIONAL ENGINEERING TRAFFIC SIGNAL OPERATIONAL CONSULTANT SERVICED DELIVERABLES SHALL BE CONSISTENT WITH NATIONAL PUBLICATIONS, INCLUDING BUT NOT LIMITED TO: MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) LATEST EDITION/ REVISION, FHWA-HOP-08-024 "TRAFFIC SIGNAL TIMING MANUAL" (JUNE 2008), FHWA-HRT-04-091 "SIGNALIZED INTERSECTIONS: INFORMATIONS GUIDE" (AUGUST 2004), FHWA-HOP-06-006 "TRAFFIC CONTROL SYSTEMS HANDBOOK" (OCTOBER 2005), FHWA-DTFH61-01-C-00183 "SIGNAL TIMING PROCESS FINAL REPORT" (DECEMBER 2003), NCHRP REPORT 731 "GUIDELINES FOR TIMING YELLOW AND ALL-RED INTERVALS AT SIGNALIZED INTERSECTIONS" (2012), NCHRP REPORT 812 "SIGNAL TIMING MANUAL SECOND EDITION" (2015)

TOWN OF MONUMENT GENERAL NOTES:

1. ALL MATERIALS, WORKMANSHIP, AND CONSTRUCTION OF SITE IMPROVEMENTS SHALL MEET OR EXCEED THE SITE WORK STANDARDS AND SPECIFICATIONS AND THE STANDARDS AND SPECIFICATIONS SET FORTH IN THE TOWN OF MONUMENT MUNICIPAL CODE CRITERIA, AND APPLICABLE STANDARDS, AND APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS. WHERE THERE IS CONFLICT BETWEEN THESE PLANS AND THE SPECIFICATIONS, OR ANY APPLICABLE STANDARDS, THE HIGHER QUALITY STANDARD SHALL APPLY. ALL WORK WITHIN PUBLIC R.O.W. OR EASEMENTS SHALL BE INSPECTED AND APPROVED BY THE TOWN OF MONUMENT INSPECTOR. THE TOWN WILL ALSO INSPECT ALL WORK ON PRIVATE PROPERTY.
2. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES, AS SHOWN ON THESE PLANS, IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF THE UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL VERIFY PERTINENT LOCATIONS AND ELEVATIONS, ESPECIALLY AT THE CONNECTION POINTS AND AT POTENTIAL UTILITY CONFLICTS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES THAT CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE TOWN OF MONUMENT AND ALL APPLICABLE AGENCIES. THE CONTRACTOR SHALL NOTIFY THE TOWN INSPECTOR AT LEAST 48 HOURS PRIOR TO THE START OF ANY EARTH DISTURBING ACTIVITY, OR CONSTRUCTION ON ANY AND ALL PUBLIC IMPROVEMENTS.
4. THE CONTRACTOR SHALL COORDINATE AND COOPERATE WITH THE TOWN AND ALL UTILITY COMPANIES INVOLVED WITH REGARD TO RELOCATIONS OR ADJUSTMENTS OF EXISTING UTILITIES DURING CONSTRUCTION AND TO ASSURE THAT THE WORK IS ACCOMPLISHED IN A TIMELY FASHION AND WITH THE MINIMUM DISRUPTION OF SERVICE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL PARTIES AFFECTED BY ANY DISRUPTION OF ANY UTILITY SERVICE.
5. THE CONTRACTOR SHALL HAVE ONE (1) SIGNED COPY OF THE APPROVED PLANS, ONE (1) COPY OF THE APPROPRIATE STANDARDS AND SPECIFICATIONS, AND A COPY OF ALL PERMITS NEEDED FOR THE JOB, ON–SITE AT ALL TIMES.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ASPECTS OF SAFETY INCLUDING, BUT NOT LIMITED TO, EXCAVATION, TRENCHING, SHORING, TRAFFIC CONTROL, AND SECURITY.
7. IF, DURING THE CONSTRUCTION PROCESS, CONDITIONS ARE ENCOUNTERED WHICH COULD INDICATE A SITUATION THAT IS NOT IDENTIFIED IN THE PLANS OR SPECIFICATIONS, THE CONTRACTOR SHALL CONTACT THE ENGINEER OF RECORD AND THE TOWN INSPECTOR IMMEDIATELY.
8. ALL REFERENCES TO ANY PUBLISHED STANDARDS SHALL REFER TO THE LATEST REVISION OF SAID STANDARD, UNLESS SPECIFICALLY STATED OTHERWISE.
9. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN, IN ACCORDANCE WITH M.U.T.C.D. TO THE TOWN OF MONUMENT FOR APPROVAL, PRIOR TO ANY CONSTRUCTION ACTIVITIES WITHIN, OR AFFECTING, THE RIGHT–OF–WAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY AND ALL TRAFFIC CONTROL DEVICES AS MAY BE REQUIRED BY THE CONSTRUCTION ACTIVITIES.
10. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL LABOR AND MATERIALS NECESSARY FOR THE COMPLETION OF THE INTENDED IMPROVEMENTS SHOWN ON THESE DRAWINGS OR DESIGNATED TO BE PROVIDED, INSTALLED, OR CONSTRUCTED, UNLESS SPECIFICALLY NOTED OTHERWISE.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ROADWAYS FREE AND CLEAR OF ALL CONSTRUCTION DEBRIS AND DIRT TRACKED FROM THE SITE.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECORDING AS–BUILT INFORMATION ON A SET OF RECORD DRAWINGS KEPT AT THE CONSTRUCTION SITE, WHICH SHALL BE AVAILABLE TO THE TOWN OF MONUMENT DEVELOPMENT SERVICES DEPARTMENT INSPECTOR AT ALL TIMES. A REPRODUCIBLE SET OF AS–BUILT DRAWINGS MUST BE FURNISHED TO THE TOWN OF MONUMENT AT THE COMPLETION OF THE PROJECT, PRIOR TO FINAL APPROVAL BY THE TOWN AND AS A CONDITION FOR OBTAINING A CERTIFICATE OF OCCUPANCY.
13. DIMENSIONS FOR LAYOUT AND CONSTRUCTION ARE NOT TO BE SCALED FROM ANY DRAWING. IF PERTINENT DIMENSIONS ARE NOT SHOWN, CONTACT THE ENGINEER–OF–RECORD FOR CLARIFICATION, AND ANNOTATE THE DIMENSION ON THE AS–BUILT RECORD DRAWINGS.
14. ALL STRUCTURAL EROSION CONTROL MEASURES SHALL BE INSTALLED, AT THE LIMITS OF CONSTRUCTION, PRIOR TO ANY OTHER GROUND DISTURBING ACTIVITY. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED IN GOOD REPAIR BY THE CONTRACTOR, UNTIL SUCH TIME AS THE ENTIRE DISTURBED AREAS ARE STABILIZED WITH HARD SURF

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COLORADO
DEPARTMENT OF TRANSPORTATION

M&S STANDARDS PLANS LIST

July 31, 2019

Revised on April 14, 2023

ALL OF THE M&S STANDARD PLANS, AS SUPPLEMENTED AND REVISED, APPLY TO THIS PROJECT WHEN USED BY DESIGNATED PAY ITEM OR SUBSIDIARY ITEM.

THE M&S STANDARD PLANS USED TO DESIGN THIS PROJECT ARE INDICATED BY A MARKED BOX ■, AND WILL BE ATTACHED TO THE PLANS. ALL OTHER M&S STANDARD PLANS ARE STILL ELIGIBLE FOR USE IN CONSTRUCTION IF APPROVED BY AN APPROPRIATE CDOT ENGINEER.

Computer File Information		Sheet Revisions	
Creation Date: 07/31/19		Date:	Comments
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Last Modification Date: 04/14/23	(R=X)		
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CAD Ver.: MicroStation V8 Scale: Not to Scale Units: English	(R=X)		

Colorado Department of Transportation
2829 West Howard Place
CDOT HQ, 3rd Floor
Denver, CO 80204
Phone: 303-757-9021 FAX: 303-757-9868
Construction Engineering Services JBK

STANDARD PLANS LIST

Issued by the Project Development Branch: July 31, 2019

STANDARD PLAN NO.
STANDARDS PLANS LIST
Standard Sheet No. 1 of 1
Project Sheet Number:

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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 CDOT COMMENTS	5/18/23

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

STATE HIGHWAY 105 / JACKSON CREEK PRWY. – PHASE 2 CONSTRUCTION PLANS

CDOT STANDARD PLAN SHEET

CLASSIC CONSULTING

DESIGNED BY	PRA	SCALE		DATE	02-23-23
DRAWN BY	PRA	(H) 1"= N/A		SHEET	3 OF 26
CHECKED BY		(V) 1"= N/A		JOB NO.	1302.22

N:\1302.22\DRAWINGS\CONSTRUCTION\SHEET-03-Standard Plans List.dwg, 7/5/2023 4:23:32 PM, WWhorton, 1:1

EXISTING TRAFFIC LIGHT POLE AND APPURTENANT ELECTRICAL WIRING/BOXES TO REMAIN

BEGIN EXISTING ASPHALT MILLING AT PAVEMENT TRANSITION FROM CONCRETE TO ASPHALT

PROPOSED 1' SAWCUT LINE, REMOVE AND DISPOSE OF EXISTING C&G AND SIDEWALK

EXISTING SANITARY SEWER MAIN

EXISTING ASPHALT MILLING WITHIN THIS GRAY HATCHED AREA

EXISTING TRAFFIC LIGHT POLES AND APPURTENANT ELECTRICAL WIRING/BOXES TO BE REMOVED

EL PASO COUNTY "HIGHWAY 105 PROJECT A" IMPROVEMENT LIMIT LINE

PROPOSED RETAINING WALL DISTURBANCE NOTE:
EXISTING UTILITIES WITHIN THIS HATCHED AREA SHALL BE REMOVED AND RELOCATED/RE-ROUTED (SEE PLANS FROM WOODMOOR UTILITY DISTRICT FOR WATER & SANITARY SEWER RELOCATION)

NOTE:
WOODMOOR UTILITY DISTRICT WILL COORDINATE RELOCATIONS FOR EXIST. SANITARY AND WATER MAIN FACILITIES.

NOTE:
EXISTING PAVEMENT MARKINGS WILL BE REMOVED WITH MILLING OPERATIONS (TYPICAL)

EXISTING CURB SHOWN AS DASHED RED TO BE REMOVED WITH THE EL PASO COUNTY "HIGHWAY 105 PROJECT A"

KNOLLWOOD DRIVE

STATE HIGHWAY 105

HIGHWAY 105

SEE HIGHWAY 105 IMPROVEMENT PLANS PREPARED BY EL PASO COUNTY FOR HIGHWAY CONTINUATION TO THE EAST

EXISTING CONCRETE PAVEMENT

EXISTING CONCRETE SIDEWALK AND CURB AND GUTTER TO REMAIN

EXISTING ASPHALT PAVEMENT, CONCRETE SIDEWALK AND CONCRETE CURB AND GUTTER TO BE REMOVED AND DISPOSED OF WITHIN THIS HATCHED AREA

EXISTING INLET & RCP TO BE REMOVED

END EXISTING ASPHALT MILLING

PROPOSED 1' SAWCUT LINE, REMOVE AND DISPOSE OF EXISTING C&G

EXISTING INLET TO BE REMOVED

EXISTING INLET & RCP TO BE REMOVED

EXISTING TRAFFIC LIGHT POLE AND APPURTENANT ELECTRICAL WIRING/BOXES TO BE REMOVED

PROPOSED SAWCUT LINE, BEGIN EXISTING C&G AND SIDEWALK REMOVAL

REMOVE APPROX. 30 LF EXIST. SIDEWALK

EXISTING RCP TO REMAIN

EXISTING ELECTRIC BOX TO REMAIN UNDISTURBED

EXISTING INLET & RCP TO REMAIN

EXISTING RETAINING WALL TO REMAIN

I-25 ON-RAMP

I-25 OFF-RAMP

LOT 2

NOTE:
MONUMENT JUNCTION DEVELOPER WILL COORDINATE RELOCATIONS FOR EXIST. FIBER LINES, GAS AND ELEC. FACILITIES.

MONUMENT JUNCTION WEST FILING NO. 1

LOT 1

JACKSON CREEK PARKWAY

EXISTING INLET & RCP TO BE REMOVED

EXISTING RCP TO BE REMOVED

EXISTING INLET & RCP TO BE REMOVED

EXISTING FIBER OPTIC BOX TO BE REMOVED AND RELOCATED

EXISTING TRAFFIC LIGHT POLES AND APPURTENANT ELECTRICAL WIRING/BOXES TO BE REMOVED

EXISTING INLET & RCP TO BE REMOVED

EXISTING RETAINING WALL TO BE REMOVED (SOLID LINES & HATCH)

UNPLATTED WOODMOOR VETERINARY HOSPITAL

EXISTING ASPHALT PARKING AND C&G TO BE REMOVED (WITHIN RETAINING WALL DISTURBANCE HATCH) REPLACE ASPHALT PARKING, C&G AND ADD GUARDRAIL)

EXISTING ASPHALT PARKING AND C&G TO BE REMAIN (SHADED LINES)

VALLEY VISTA ESTATES FILING NO. 3, LOT 3

VALLEY VISTA ESTATES FILING NO. 3, LOT 4

UNPLATTED MOUNTAIN STATES TELEPHONE

PROPOSED RETAINING WALL DISTURBANCE NOTE: EXISTING UTILITIES WITHIN THIS HATCHED AREA SHALL BE REMOVED AND RELOCATED/RE-ROUTED

TRACT H

UNPLATTED CDOT

EXISTING RCP CULVERT TO BE REMOVED

ACCESS DRIVE

LAUGHING LAB WAY

BASED ON RECENT DISCUSSIONS WITH EL PASO COUNTY STAFF AND THEIR CHOSEN CONTRACTOR FOR THE "HIGHWAY 105 PROJECT A" IT APPEARS THAT CONSTRUCTION TIMING FOR BOTH PROJECTS ALONG THE SOUTH SIDE OF HWY. 105 BETWEEN JACKSON CREEK PKWY. AND KNOLLWOOD DR. WILL LIKELY BE EARLY THIRD QUARTER OF 2024.

ORIGINAL EXISTING ASPHALT PAVEMENT SECTION TO BE REMOVED AND DISPOSED OF WITHIN THIS HATCHED AREA

LOT 4

EXISTING CURB AND SIDEWALK TO REMAIN

EXISTING ASPHALT MILLING WITHIN THIS GRAY HATCHED AREA, THIS ASPHALT PAVEMENT SECTION RECENTLY CONSTRUCTED WITH JACKSON CREEK PARKWAY INTERIM IMPROVEMENTS

EXISTING ASPHALT REMOVAL WITHIN THIS GREEN HATCHED AREA, THIS ASPHALT PAVEMENT SECTION RECENTLY CONSTRUCTED WITH JACKSON CREEK PARKWAY INTERIM IMPROVEMENTS TO BE SAWCUT AND REMOVED TO CONSTRUCT PROPOSED MEDIAN C&G

FAT TIRE DRIVE

EXISTING CURB AND SIDEWALK TO REMAIN

BEGIN EXISTING ASPHALT PAVEMENT MILLING AT JACKSON CREEK PARKWAY.

EXISTING ASPHALT REMOVAL WITHIN THIS GREEN HATCHED AREA, THIS ASPHALT PAVEMENT SECTION RECENTLY CONSTRUCTED WITH JACKSON CREEK PARKWAY INTERIM IMPROVEMENTS TO BE SAWCUT AND REMOVED TO CONSTRUCT PROPOSED MEDIAN C&G

MATCH LINE INTO TOWN OF MONUMENT (JACKSON CREEK PARKWAY PROJECT) SEE DESIGN BY FELSBURG, HOLT & ULLEVIG ENGINEERING

FAT TIRE DRIVE

N

60 30 0 60 120

SCALE: 1" = 60'

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NO.	REVISION	DATE
1	REVISED PER CDOT/COUNTY/TOWN OF MONUMENT COMMENTS	7/10/23
2	REVISED PER COUNTY COMMENTS	10/23/23

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

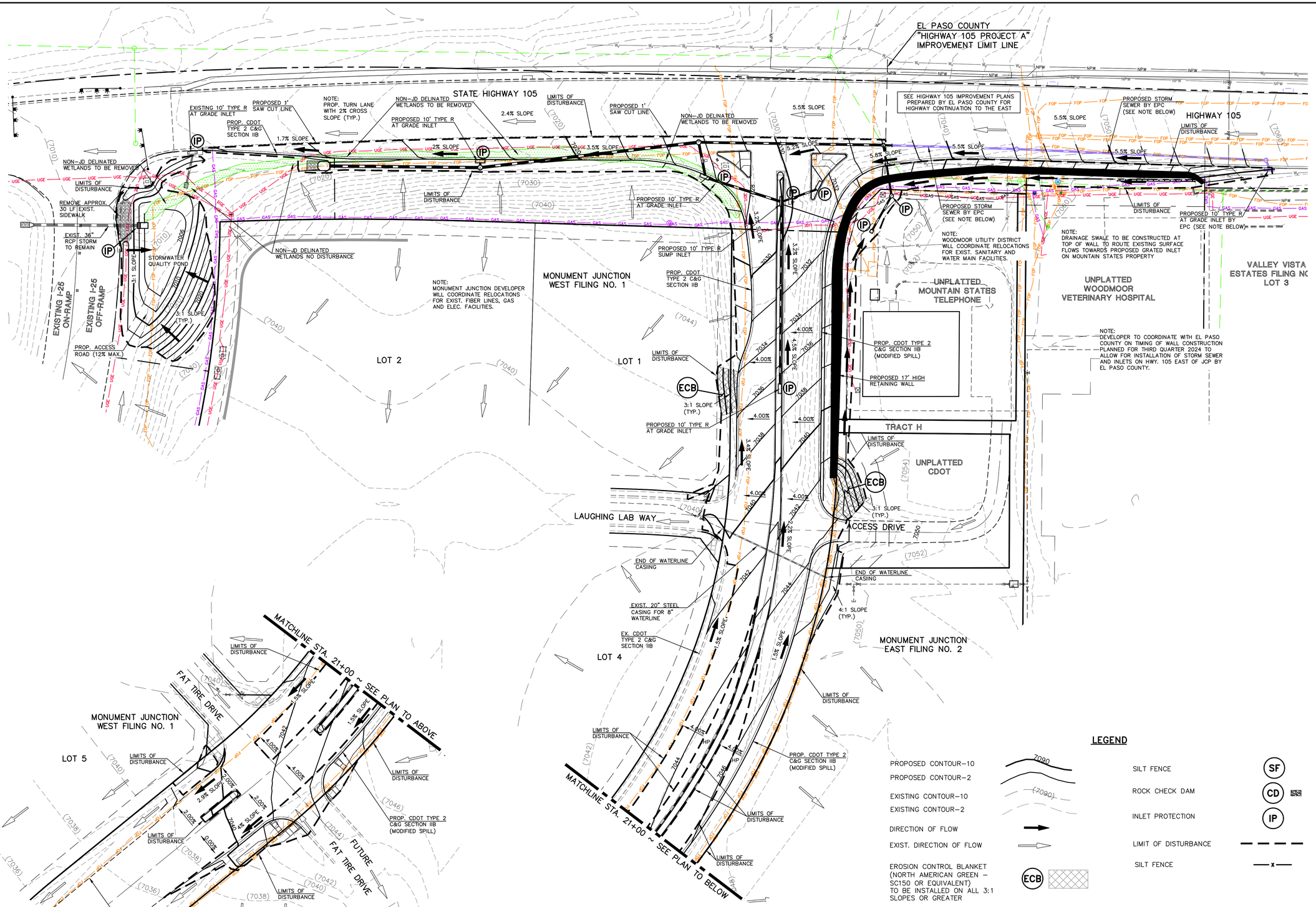
STATE HIGHWAY 105 / JACKSON CREEK PKWY. – PHASE 2 CONSTRUCTION PLANS

ROADWAY IMPROVEMENT PLANS

DEMOLITION PLAN

DESIGNED BY	PRA	SCALE	DATE 02-23-23
DRAWN BY	PRA	(H) 1"= 60'	SHEET 4 OF 26
CHECKED BY		(V) 1"= N/A	JOB NO. 1302.22

N:\13022\DRAWINGS\CONSTRUCTION\SHEET-04-DEMO PLAN.dwg, 10/27/2023 12:56:57 PM, 1:1



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NO.	REVISION	DATE
1	REVISED PER CDOT/COUNTY/TOWN OF MONUMENT COMMENTS	7/10/23
2	REVISED PER COUNTY / TOWN COMMENTS	10/23/23
3	REVISED STORM PER MEETING WITH COUNTY	1/24/24

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 SM CONSULTING ENGINEERS & SURVEYORS
619 N. Cascade Avenue, Suite 200 (719)785-0790
Colorado Springs, Colorado 80903 (719)785-0799(Fax)

STATE HIGHWAY 105 / JACKSON CREEK PKWY. - PHASE 2 CONSTRUCTION PLANS
ROADWAY IMPROVEMENTS PLANS
GRADING & EROSION CONTROL PLAN

DESIGNED BY	PRA	SCALE		DATE	02-23-23
DRAWN BY	PRA	(H) 1"=	50'	SHEET	5 OF 26
CHECKED BY		(V) 1"=	5'	JOB NO.	1302.22

N:\1302\2\DRAWINGS\CONSTRUCTION\SHEET-05-GEC PLAN.dwg, 1/25/2024 12:03:32 PM, 1:1

STATE HIGHWAY 105

EL PASO COUNTY
"HIGHWAY 105 PROJECT A"
IMPROVEMENT LIMIT LINE

PROPOSED PUBLIC STORM SEWER INSTALLED ALONG WITH EL PASO COUNTY "HWY 105 PROJECT A" CONSTRUCTION (SEE NOTE BELOW)

HIGHWAY 105

PROPOSED CURB & GUTTER INSTALLED ALONG WITH EL PASO COUNTY "HWY 105 PROJECT A" CONSTRUCTION (SEE NOTE BELOW)

EXIST. CURB LINE

PROP. CURB LINE

RIGHT-OF-WAY LINE

TW=7048.14
BW=7037.84

TW=7048.00
BW=7036.39

TW=7048.00
BW=7034.37

TW=7051.15
BW=7041.02

TW=7052.30
BW=7042.76

TW=7054.72
BW=7045.06

TW=7056.72
BW=7047.25

TW=7059.34
BW=7049.45

TW=7060.53
BW=7050.55

TW=7062.61
BW=7052.75

TW=7062.65
BW=7054.95

PROP. 6" PVC PERF. UNDERDRAIN @ 4.1% WITH CLEANOUT EVERY 100'

TW=7048.00
BW=7032.81

6" PVC INV. IN
7025.0

TW=7048.00
BW=7032.40

C.O.
INV. 7027.6

C.O.
INV. 7028.0

TW=7048.00
BW=7032.46

TW=7049.42
BW=7039.24

TW=7051.81
BW=7041.89

TW=7053.60
BW=7043.96

TW=7050.29
BW=7040.13

TW=7055.75
BW=7046.16

TW=7058.02
BW=7048.35

TW=7061.58
BW=7051.65

TW=7062.57
BW=7053.85

TW=7063.84
BW=7062.00

NOTE:
WOODMOOR UTILITY DISTRICT WILL COORDINATE RELOCATIONS FOR EXIST. SANITARY AND WATER MAIN FACILITIES.

NOTE:
MONUMENT JUNCTION DEVELOPER WILL COORDINATE RELOCATIONS FOR EXIST. FIBER LINES, GAS AND ELEC. FACILITIES.

TEMP. CONST. ESMT.

PERM. WALL ESMT.

NOTE:
DEVELOPER TO COORDINATE WITH EL PASO COUNTY ON TIMING OF WALL CONSTRUCTION PLANNED FOR SECOND QUARTER 2024 TO ALLOW FOR INSTALLATION OF STORM SEWER AND INLETS ON HWY. 105 EAST OF JCP BY EL PASO COUNTY.

EXISTING ASPHALT PARKING AND C&G TO BE REMOVED (WITHIN RETAINING WALL DISTURBANCE HATCH) REPLACE ASPHALT PARKING, C&G AND ADD GUARDRAIL)

UNPLATTED
WOODMOOR
VETERINARY HOSPITAL

VALLEY VISTA
ESTATES FILING NO. 3,
LOT 3

PROPERTY LINE

WALL CONSTRUCTION EXCAVATION LINE

UNPLATTED
MOUNTAIN STATES
TELEPHONE

EXIST. BLDG.

MONUMENT JUNCTION
WEST FILING NO. 1

LOT 1

JACKSON CREEK PKWY.

PROP. 6" PVC PERF. UNDERDRAIN @ 3.5% WITH CLEANOUT EVERY 100'

TW=7050.75
BW=7033.65

TW=7052.05
BW=7034.48

TW=7052.63
BW=7035.38

C.O.
INV. 7031.5

TW=7053.07
BW=7036.28

PROP. 6" PVC PERF. UNDERDRAIN @ 4.5% WITH CLEANOUT EVERY 100'

TW=7053.44
BW=7037.18

TW=7053.25
BW=7038.08

TW=7053.05
BW=7038.96

TW=7052.93
BW=7039.78

C.O.
INV. 7036.0

TW=7052.88
BW=7040.55

PROP. 6" PVC PERF. UNDERDRAIN @ 3.0% WITH CLEANOUT EVERY 100'

TW=7052.55
BW=7041.26

TW=7052.37
BW=7041.94

TW=7044.24
BW=7042.75

C.O.
INV. 7039.0

TRACT H

UNPLATTED
CDOT

N

20 20 0 20 40

SCALE: 1" = 20'

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NO.	REVISION	DATE
1	REVISED PER COUNTY COMMENTS	7/10/23
2	REVISED PER COUNTY COMMENTS	10/23/23
3	REVISED STORM PER MEETING WITH COUNTY	1/24/24

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

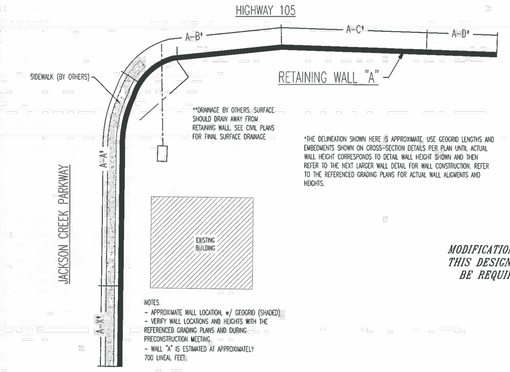
STATE HIGHWAY 105 / JACKSON CREEK PKWY. – PHASE 2 CONSTRUCTION PLANS

ROADWAY IMPROVEMENT PLANS
RETAINING WALL PLAN

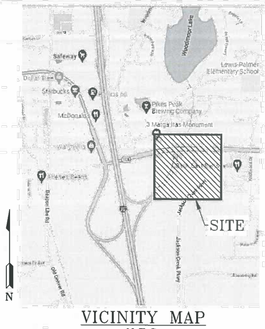
DESIGNED BY	PRA	SCALE		DATE	02-23-23
DRAWN BY	PRA	(H) 1"=	20'	SHEET	6 OF 26
CHECKED BY		(V) 1"=	N/A	JOB NO.	1302.22

N:\130222\DRAWINGS\CONSTRUCTION\SHEET-06-07-RETAINING WALL PLANS.DWG, 1/25/2024 12:10:38 PM, 1:1

REDI-ROCK RETAINING WALL
JACKSON CREEK PARKWAY & STATE HIGHWAY 105



CONCEPTUAL PLAN VIEW
N.T.S.



VICINITY MAP
N.T.S.

MODIFICATIONS TO THIS DESIGN MAY BE REQUIRED.

PLAN SHEET NO.	INDEX OF SHEETS
1	PLAN & COVER SHEET
2	GENERAL NOTES & DETAILS
3	WALL "A" ELEVATION & SECTIONS
4	WALL "A" SECTIONS

NOTE: THIS DESIGN WAS BASED ON CONSTRUCTION PLANS BY CLASSIC CONSULTING ENGINEERS & SURVEYORS, AND THE SUBSURFACE SOILS INVESTIGATION BY ENTECH ENGINEERING, INC., DATED OCTOBER 20, 2022, ENTECH JOB NO. 221459. CONTRACTOR TO VERIFY RETAINING WALL DESIGN TO FINAL PLANS. IF THE RETAINED SOILS DIFFER FROM OUR ASSUMED SOIL TYPES, THEN THE ENGINEER MUST BE NOTIFIED AND MODIFICATIONS TO THIS DESIGN MAY BE REQUIRED.

COLORADO LICENSED 38235 PROFESSIONAL ENGINEER 11-10-22
STATE OF COLORADO P.E.

REVISIONS | BY:

ENTECH ENGINEERING, INC. 100 SUPER AVE. COLORADO SPRINGS, CO. 80907 (719) 531-5599

REDI-ROCK RETAINING WALL
PLAN & COVER SHEET
JACKSON CREEK PKWY & STATE HWY 105
MONUMENT, CO
FOR: CLASSIC COMMUNITIES

DRAWN BY: AAH
DESIGNED BY: AAH
CHECKED BY:
DATE: 11/10/2022
SCALE: N.T.S.
JOB NO.: 221459
SHEET NO.: 1 OF 4 SHEETS

GENERAL NOTES

A. GENERAL CONDITIONS

1. These notes shall be read in conjunction with the drawings. In the event of a conflict, notify the Engineer for clarification.
2. Before executing anything herein shown, examine actual job conditions. Report any discrepancy, dimensional or otherwise, and any other error, omission, or difficulty affecting the work to the Engineer for review.
3. These retaining wall plans have been prepared to represent specific design parameters. It is the responsibility of the Project Owner/General Contractor to resolve construction problems due to changed conditions encountered during the progress of any portion of the work. The Project Owner/General Contractor is responsible for contacting the Engineer prior to making any changes to this design. This design addresses local retaining wall stability including internal and external stability and does not include a slope or global stability analysis for areas beyond the retaining wall.
4. Groundwater at footing level was not considered in the design of this retaining wall. If groundwater is encountered, contact the Engineer immediately.
5. The Owner or his representative reserve the right to inspect any material, fabrication, or workmanship at any time in the field or shop for conformance to the specifications, general notes, and drawings.
6. All details and sections are intended to be typical and shall be construed to apply to any similar situation elsewhere, except where a different detail is shown.
7. The Contractor shall make submittals as noted herein to the Engineer in a timely manner so to allow a ten business day review period. Quantities and dimensions are the responsibility of the Contractor. The Contractor shall make resubmittals as necessary until the concurrence of the Engineer and his Consultants is obtained.
8. Substitutions will not be considered by the Engineer or his Consultants unless submitted two weeks prior to time of installation, and complete documentation is provided substantiating compliance with the Contract Documents. Submit product data and samples as required. Substitutions will not be considered when acceptance will require substantial revision of the Contract Documents. The Engineer and his Consultants will determine acceptability of proposed substitution.
9. The Contractor shall obtain a copy of and understand all applicable manufacturer's specifications. If discrepancies occur between manufacturer's specifications and those shown on the details, contact the Engineer immediately.
10. Backfill areas shall be sloped to avoid ponding water and to allow for surface drainage to flow away from the walls.
11. This design is valid only for the proposed retaining wall at the specified address. This retaining wall has been designed according to the grading plans by Classic Consulting Engineers & Surveyors, and the Subsurface Soils Investigation by Entech Engineering, Inc., dated October 20, 2022, Entech Job No. 221459.

B. BLOCK UNITS

1. Redi-Rock PC. It shall be the contractors responsibility to ensure that all units are erected in undamaged condition. Units with cracks or other imperfections which, in the opinion of the Engineer, are unacceptable shall not be placed in the wall. Rejected units shall be removed from the site with no additional compensation.

C. WALL LAYOUT AND BASE PREPERATION

1. Excavation to sound soil material shall be made at the base of the wall. Expansive Material may be encountered. Based on information obtained in the Subsurface Soils Investigation, expansive material should be removed and replaced per the recommendations provided in the Subsurface Soils Investigation. Unless shown otherwise, the benches shall be made horizontal in the line of the wall.
2. Contractor shall provide sufficient notice to the Engineer for observations, testing, and approval of the excavation prior to placing the granular bedding. If structural fill is used to obtain base elevation, the base soil shall be compacted to a minimum 95% of the Modified Proctor Dry Density (AASHTO T-180).
3. Finished base excavation shall be within 0.5 inches of the base elevation and shall include vertical steps where the base of the wall is to step.

D. LEVELING PAD

1. After approval of a base soil, a continuous gravel pad (see plans) shall be placed below the first course of the concrete block to be used as a leveling pad. This pad shall consist of a minimum of 6-inch deep, U.N.O., CDOT No. 57 or 67 coarse aggregate (CDOT Standard Specifications Table 703-2). The wall is initiated by placing the first course of concrete block directly onto the leveling pad.

E. WALL UNIT INSTALLATION

1. The units in the base course shall be checked for level alignment.
2. Capstones used on the top course shall be attached with adhesive on a clean, dry surface as specified by the Manufacturer.

F. DRAINAGE MATERIAL PLACEMENT

1. Place and compact drainage fill material behind wall units.
2. Material shall consist of No. 57 or 67 coarse aggregate (CDOT Standard Specifications Table 703-2).
3. Maximum stacked vertical height of wall units prior to fill placement shall not exceed 2 courses.

G. BACKFILL MATERIAL

1. Backfill materials used behind the wall shall consist of select granular structural backfill, compliant with CDOT Class 1 backfill requirements or CDOT 57 or 67 Aggregate per plans.*
2. Backfill materials shall be placed in lifts not exceeding 8 inches in loose thickness and compacted to a minimum of 95% of the Modified Proctor Dry Density (AASHTO T-180).

H. LOW PERMEABLE SOIL CAP

1. Soil used for low permeable soils cap such as clayey sand (SC) soils or import approved by the engineer. Materials shall be placed in lifts not exceeding 8 inches in loose thickness and compacted to a minimum of 95% of the Modified Proctor Dry Density (AASHTO T-180).
2. 4" of topsoil is to be placed on top of the impermeable layer. The top 6" from the surface down shall be tilled or mixed to ensure cohesion of the impermeable and topsoil layers.

I. CONSTRUCTION PRECAUTIONS

1. During construction, Contractor shall slope last backfill lift of each day away from wall units and shall not allow runoff from adjacent areas to enter construction area.
2. Construction excavation shall comply with OSHA standards and regulations.

J. PRECONSTRUCTION

1. Contractor must schedule a preconstruction meeting with the Engineer prior to the initiation of any excavation, with at least 24 hours of advanced notice.

K. WALL GEOMETRY

1.	Design Wall Height (Ft):	See Plans
2.	Embedment Wall Height (Ft):	See Plans
3.	Exposed Wall Design Height (Ft):	See Plans
4.	Wall Inclination (Deg.):	See Plans

L. SEGMENTAL UNIT DATA - VERIFY w/ MANUFACTURER SPECS.

1.	Segmental Unit Name:	Redi-Rock 28"
2.	Cap Height (inches):	18
3.	Unit Height (Hu)(inches):	18
4.	Unit Width (Wu)(inches):	27.75
5.	Unit Length (inches):	45
6.	Setback (inches):	9.75
7.	Weight (pcf):	130
8.	Segmental Unit Name:	Redi-Rock 41"
9.	Cap Height (inches):	18
10.	Unit Height (Hu)(inches):	18
11.	Unit Width (Wu)(inches):	40.75
12.	Unit Length (inches):	46
13.	Setback (inches):	9.75
14.	Weight (pcf):	130
15.	Segmental Unit Name:	Redi-Rock 60"
16.	Cap Height (inches):	18
17.	Unit Height (Hu)(inches):	18
18.	Unit Width (Wu)(inches):	59.75
19.	Unit Length (inches):	46
20.	Setback (inches):	9.75
21.	Weight (pcf):	130

M. GEOSYNTHETIC REINFORCEMENT

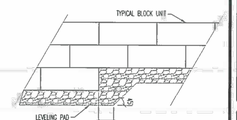
Supplier: n/a
Product Name: n/a

N. WALL GRADES

1.	Top Slope:	See Plans
2.	Toe Slope:	See Plans

O. RETAINING WALL DESIGN PARAMETERS

1. Distributed Surcharges
   a. Live Load (psf): 100 Pedestrian (As Req'd)
2. Minimum Factors of Safety
   a. External Stability
      1. Sliding 1.5
      2. Overturning 2.0
      3. Bearing Capacity 2.0
   b. Internal Stability
      1. Overstress 1.5
      2. Pullout 1.5



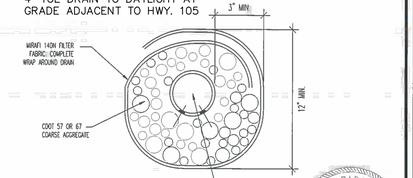
GRAVEL LEVELING PAD STEP

SOIL DATA				
Soil Zone	Description	Cohesion (C) (psf)	Friction Angle (Deg.)	Unit Weight (pcf)
Structural Soil	Silty Sand	0.00	32.00	120.00
Retained Soil	Silty Sand	0.00	32.00	120.00
Leveling Pad Soil	Gravel	0.00	36.00	125.00
Foundation Soil	Silty Sand	0.00	32.00	120.00

NOTE:
4" TOE DRAIN TO CONNECT TO 6" PVC UNDERDRAIN BEHIND CURB ALONG JACKSON CREEK PKWY. ADJACENT TO THE 8' ATTACHED SIDEWALK.

4' TOE DRAIN TO DAYLIGHT AT GRADE ADJACENT TO HWY. 105

MODIFICATIONS TO THIS DESIGN MAY BE REQUIRED.



DRAIN DETAIL

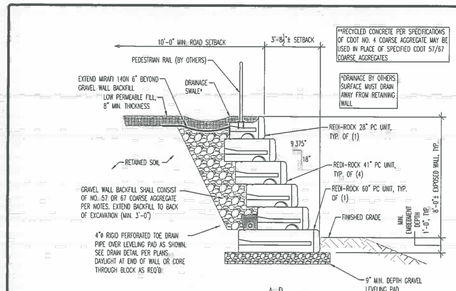
COLORADO LICENSED 38235 PROFESSIONAL ENGINEER 11-10-22
STATE OF COLORADO P.E.

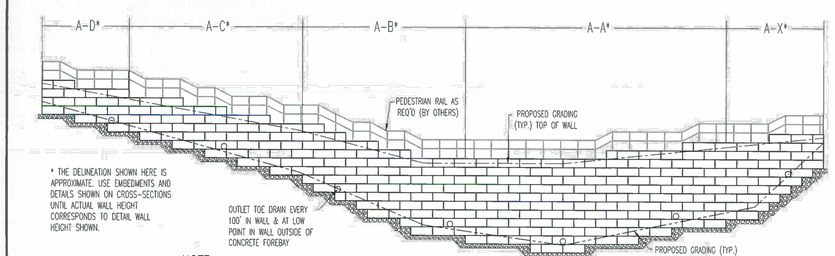
REVISIONS | BY:

ENTECH ENGINEERING, INC. 100 SUPER AVE. COLORADO SPRINGS, CO. 80907 (719) 531-5599

REDI-ROCK RETAINING WALL
PLAN & COVER SHEET
JACKSON CREEK PKWY & STATE HWY 105
MONUMENT, CO
FOR: CLASSIC COMMUNITIES

DRAWN BY: AAH
DESIGNED BY: AAH
CHECKED BY:
DATE: 11/10/2022
SCALE: N.T.S.
JOB NO.: 221459
SHEET NO.: 2 OF 4 SHEETS





CONCEPTUAL ELEVATION VIEW
DRAWN @ 5H:1V
NOT TO SCALE

NOTE:
4" TOE DRAIN TO CONNECT TO 6" PVC UNDERDRAIN BEHIND CURB ALONG JACKSON CREEK PKWY. ADJACENT TO THE 8' ATTACHED SIDEWALK.

4' TOE DRAIN TO DAYLIGHT AT GRADE ADJACENT TO HWY. 105

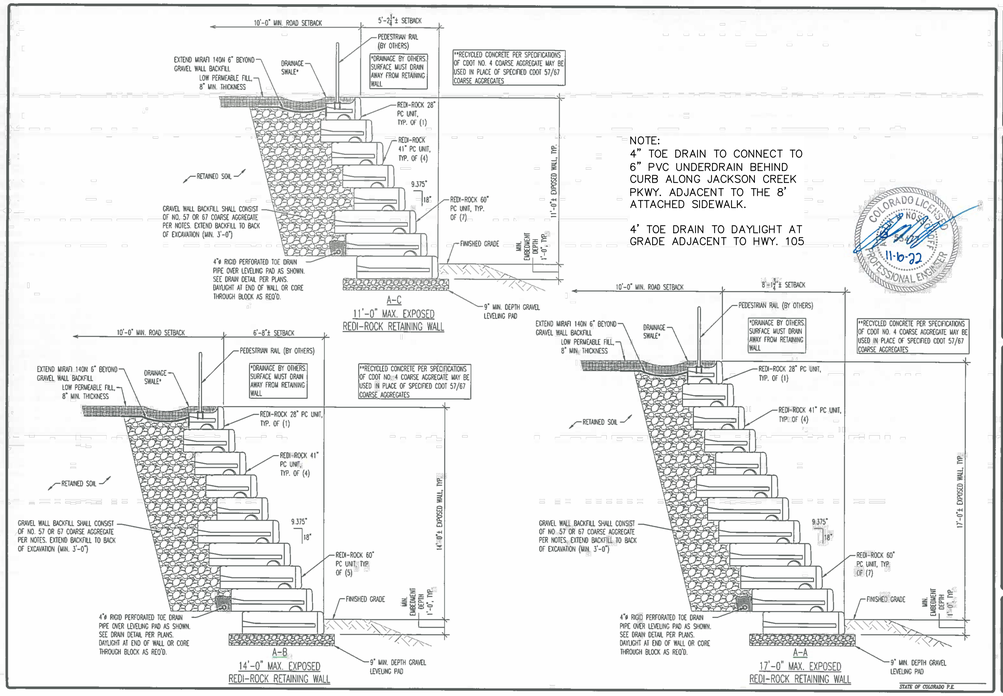
COLORADO LICENSED 38235 PROFESSIONAL ENGINEER 11-10-22
STATE OF COLORADO P.E.

REVISIONS | BY:

ENTECH ENGINEERING, INC. 100 SUPER AVE. COLORADO SPRINGS, CO. 80907 (719) 531-5599

REDI-ROCK RETAINING WALL
WALL "A" ELEVATION & SECTIONS
JACKSON CREEK PKWY & STATE HWY 105
MONUMENT, CO
FOR: CLASSIC COMMUNITIES

DRAWN BY: AAH
DESIGNED BY: AAH
CHECKED BY:
DATE: 11/10/2022
SCALE: N.T.S.
JOB NO.: 221459
SHEET NO.: 3 OF 4 SHEETS



NOTE:
4" TOE DRAIN TO CONNECT TO 6" PVC UNDERDRAIN BEHIND CURB ALONG JACKSON CREEK PKWY. ADJACENT TO THE 8' ATTACHED SIDEWALK.

4' TOE DRAIN TO DAYLIGHT AT GRADE ADJACENT TO HWY. 105

COLORADO LICENSED 38235 PROFESSIONAL ENGINEER 11-10-22
STATE OF COLORADO P.E.

REVISIONS | BY:

ENTECH ENGINEERING, INC. 100 SUPER AVE. COLORADO SPRINGS, CO. 80907 (719) 531-5599

REDI-ROCK RETAINING WALL
WALL "A" SECTIONS
JACKSON CREEK PKWY & STATE HWY 105
MONUMENT, CO
FOR: CLASSIC COMMUNITIES

DRAWN BY: AAH
DESIGNED BY: AAH
CHECKED BY:
DATE: 11/10/2022
SCALE: N.T.S.
JOB NO.: 221459
SHEET NO.: 4 OF 4 SHEETS

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 TOWN COMMENTS	10/23/23

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

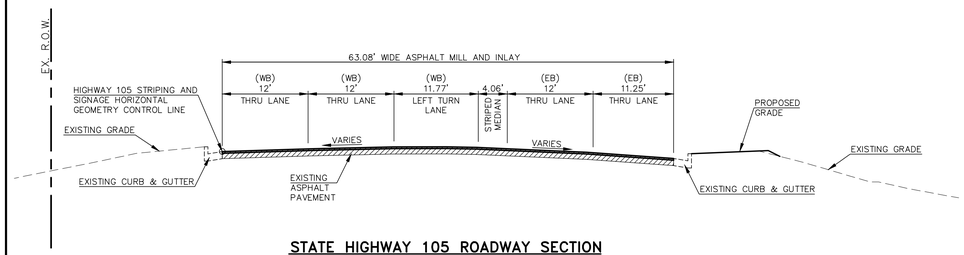
CLASSIC CONSULTING ENGINEERS & SURVEYS SM
619 N. Cascade Avenue, Suite 200 (719)785-0790
Colorado Springs, Colorado 80903 (719)785-0799(Fax)

STATE HIGHWAY 105 / JACKSON CREEK PKWY. – PHASE 2 CONSTRUCTION PLANS
ROADWAY IMPROVEMENT PLANS
RETAINING WALL DETAILS

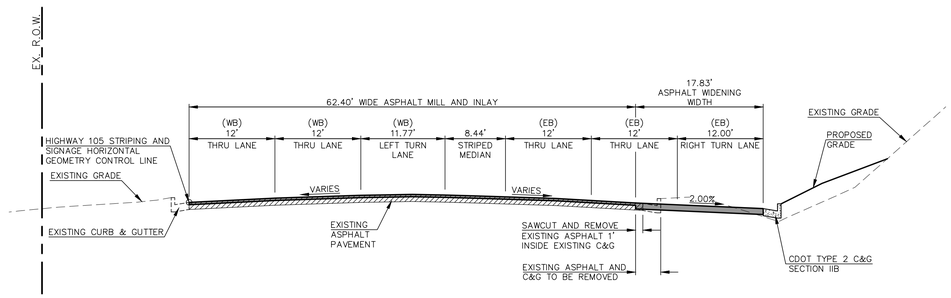
CLASSIC CONSULTING ENGINEERS & SURVEYORS

DESIGNED BY	PRA	SCALE		DATE	02-23-23
DRAWN BY	PRA	(H) 1"=	50'	SHEET	7 OF 26
CHECKED BY		(V) 1"=	5'	JOB NO.	1302.22

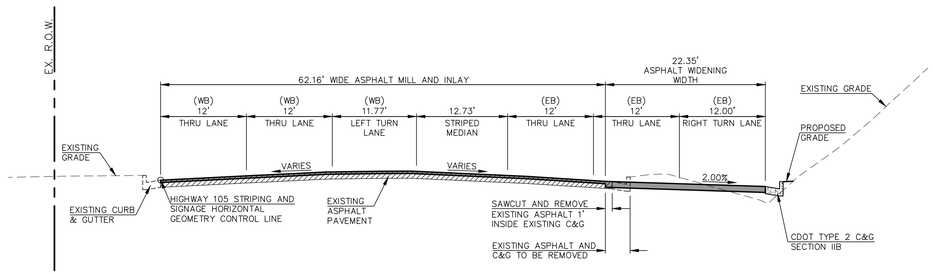
V:\1302.22\DRAWINGS\CONSTRUCTION\SHEET-06-07-RETAINING WALL PLANS.DWG, 10/27/2023 2:05:34 PM, 1:1



STATE HIGHWAY 105 ROADWAY SECTION
STA. 0+32.32
SCALE: 1"=10' (H), 1"=5' (V)



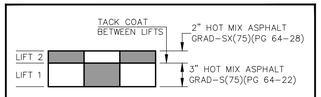
STATE HIGHWAY 105 ROADWAY SECTION
STA. 1+97.85
SCALE: 1"=10' (H), 1"=5' (V)



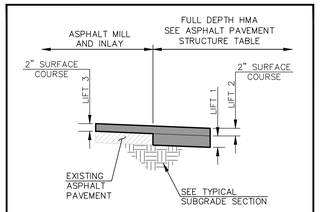
STATE HIGHWAY 105 ROADWAY SECTION
STA. 3+38.75
SCALE: 1"=10' (H), 1"=5' (V)

HOT MIX ASPHALT PAVEMENT STRUCTURE TABLE

TOTAL HOT MIX ASPHALT DEPTH		5.0"
# OF LIFTS		2
HOT MIX ASPHALT BINDER COURSE GRAD-S(75) (PG 64-22)	LIFT 1	3.0"
HOT MIX ASPHALT SURFACE COURSE GRAD-SX(75) (PG 64-28)	LIFT 2	2.0"



TYPICAL HOT MIX ASPHALT PAVEMENT LIFT SECTION



* EACH LIFT SHALL BE A MAXIMUM OF 3".

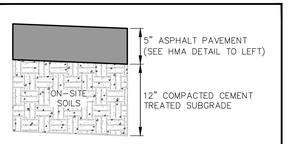
TYPICAL HMA OVERLAY SECTIONS

SUBGRADE NOTES:

SUBGRADE FOR CUT CONDITIONS:
IF SUBGRADE IS R >/= 17, THEN PERFORM CEMENT TREATED SUBGRADE ON TOP 12 INCHES.

IF SUBGRADE IS R < 17, THEN OVER EXCAVATE 24 INCHES AND REPLACE WITH R >/= 17 MATERIAL AND PERFORM CEMENT TREATED SUBGRADE ON TOP 12 INCHES.
[RECONDITIONING IS SPECIFIED IN SECTION 306 OF THE CDOT STANDARD SPECIFICATIONS].

SUBGRADE FOR FILL CONDITIONS:
ALL FILL SHALL BE R >/= 17 MATERIAL WITH 12 INCHES OF CEMENT TREATED SUBGRADE ON TOP OF FILL MATERIAL.

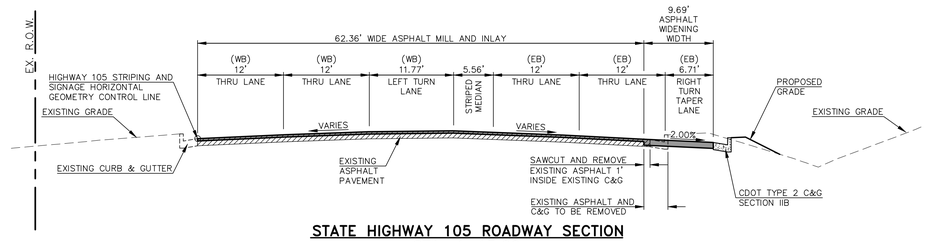


1. REFERENCE PAVEMENT RECOMMENDATIONS JACKSON CREEK PARKWAY AND U.S. STATE HIGHWAY 105 – GEOTECHNICAL RECOMMENDATION REPORT BY ENTECH ENGINEERING, INC. "ENTECH JOB NO.: 230008" DATED FEBRUARY 20, 2023 FOR INFORMATION ON SUBGRADE PREPARATION

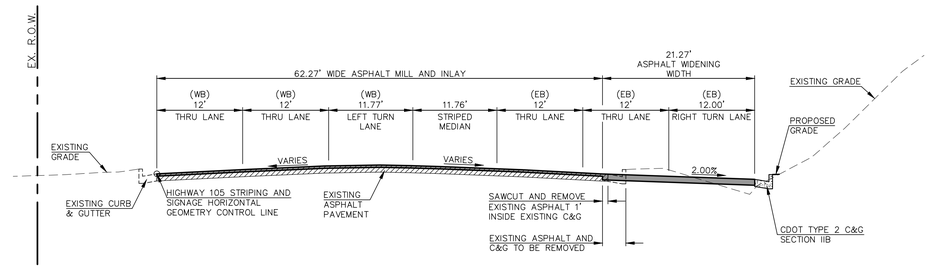
TYPICAL PAVEMENT SECTION

HIGHWAY 105 TYPICAL SECTION NOTES

1. BREAK POINTS IN SLOPES SHALL BE ROUNDED BY THE CONTRACTOR FOR A PLEASING APPEARANCE DURING CONSTRUCTION.
2. SEE HIGHWAY 105 IMPROVEMENT PLANS (SHEETS 9, 10 AND 17) FOR ADDITIONAL INFORMATION ON THE ROADWAY SECTION DIMENSIONS.
3. A TWO-INCH OVERLAY OF THE ROADWAY IN AREAS OF RECONSTRUCTION AND/OR RE-STRIPING IS REQUIRED. THE WIDTH OF THE OVERLAY SHALL ENCOMPASS ALL LANES CONTIGUOUS TO AREAS OF RECONSTRUCTION AND/OR RE-STRIPING.
4. SEE PAVEMENT RECOMMENDATIONS JACKSON CREEK PARKWAY AND U.S. STATE HIGHWAY 105 – GEOTECHNICAL RECOMMENDATION REPORT BY ENTECH ENGINEERING, INC. "ENTECH JOB NO.: 230008" DATED FEBRUARY 20, 2023 FOR INFORMATION ON SUBGRADE PREPARATION.
5. THE CONTRACTOR SHALL VERIFY ALL SUBGRADE CONDITIONS IN CUT AREAS PRIOR TO PREPARATION AND PAVING.
6. FOR FILL CONDITIONS, THE CONTRACTOR SHALL VERIFY SUBGRADE CONDITIONS THROUGH COMPACTION AND DENSITY TESTING PRIOR TO PAVING.
7. SMOOTHNESS CATEGORY SHALL BE CATEGORY 2.



STATE HIGHWAY 105 ROADWAY SECTION
STA. 1+15.00
SCALE: 1"=10' (H), 1"=5' (V)



STATE HIGHWAY 105 ROADWAY SECTION
STA. 2+99.16
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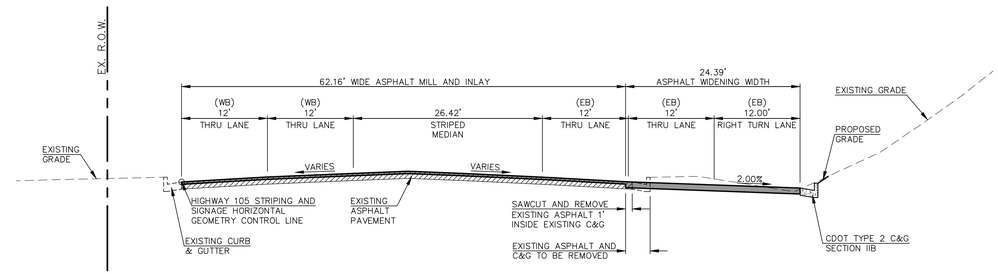

STATE HIGHWAY 105 ROADWAY SECTION
STA. 4+39.51
SCALE: 1"=10' (H), 1"=5' (V)

NOTE:
THE FOLLOWING ASPHALT SECTIONS APPLY ONLY TO AREAS WITHIN THE STATE HIGHWAY 105 RIGHT-OF-WAY.

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	ADDED SECTION SHEET PER CDOT COMMENTS	7/10/23
2	REVISED PER COUNTY COMMENTS	10/23/23

REVIEW:

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

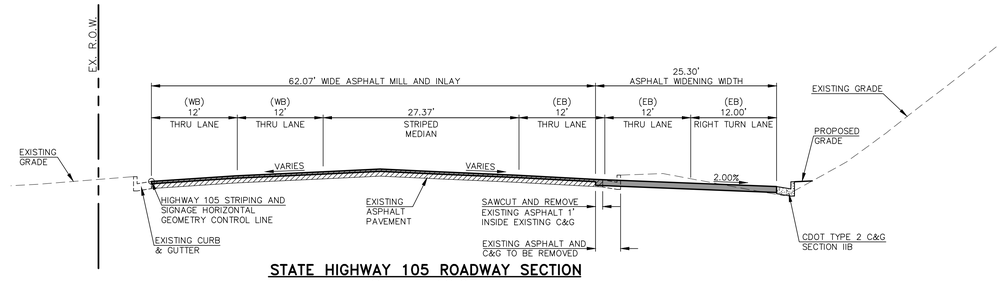
MARC A. WHORTON, COLORADO P.E. #37155 DATE

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

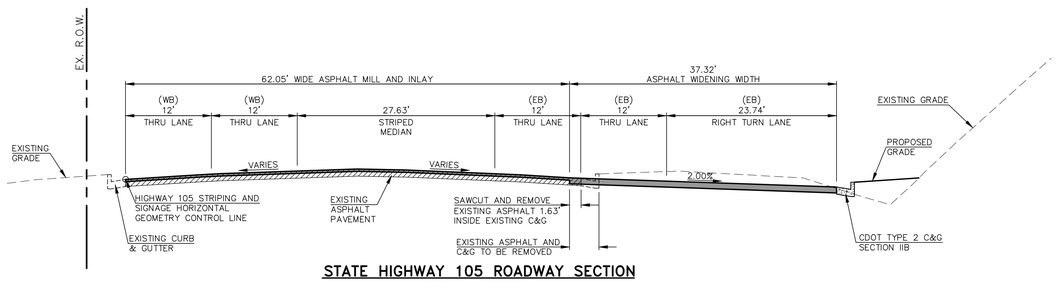
STATE HIGHWAY 105 / JACKSON CREEK PKWY. – PHASE 2 CONSTRUCTION PLANS
ROADWAY IMPROVEMENT PLANS
HIGHWAY 105 ROADWAY SECTIONS

DESIGNED BY	PRA	SCALE		DATE	02-23-23
DRAWN BY	PRA	(H) 1"= 50'		SHEET	8 OF 26
CHECKED BY		(V) 1"= N/A		JOB NO.	1302.22

N:\1302\22\DRAWINGS\CONSTRUCTION\SHEET-08-105 ROADWAY-SEC1.dwg, 10/27/2023 3:34:49 PM, 1:1



STATE HIGHWAY 105 ROADWAY SECTION
STA. 5+19.93
SCALE: 1"=10' (H), 1"=5' (V)



STATE HIGHWAY 105 ROADWAY SECTION
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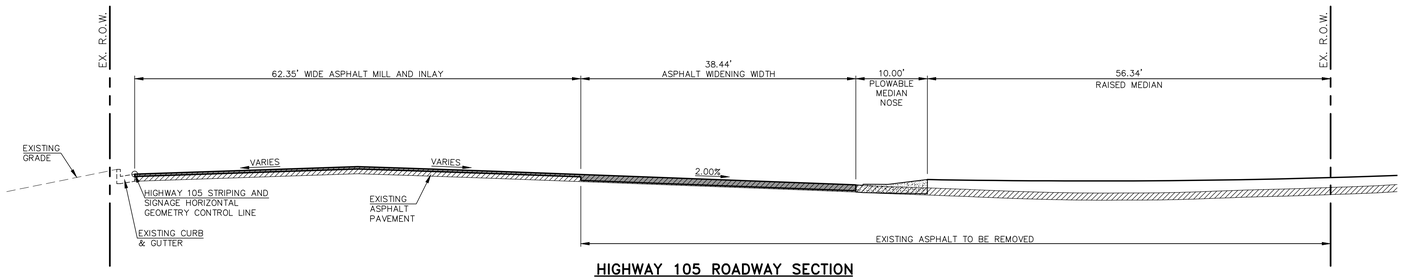
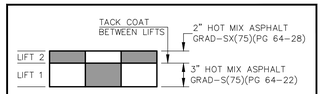


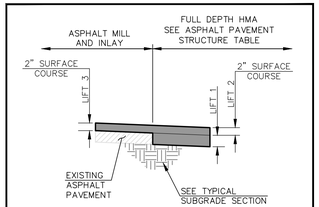
HIGHWAY 105 ROADWAY SECTION
STA. 6+84.96
SCALE: 1"=10' (H), 1"=5' (V)

HOT MIX ASPHALT PAVEMENT STRUCTURE TABLE

TOTAL HOT MIX ASPHALT DEPTH		5.0"
# OF LIFTS		2
HOT MIX ASPHALT BINDER COURSE GRAD-S(75) (PG 64-22)	LIFT 1	3.0"
HOT MIX ASPHALT SURFACE COURSE GRAD-SX(75) (PG 64-28)	LIFT 2	2.0"



TYPICAL HOT MIX ASPHALT PAVEMENT LIFT SECTION



* EACH LIFT SHALL BE A MAXIMUM OF 3".

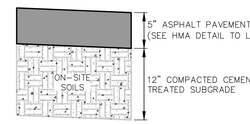
TYPICAL HMA OVERLAY SECTIONS

SUBGRADE NOTES:

SUBGRADE FOR CUT CONDITIONS:
IF SUBGRADE IS R >/= 17, THEN PERFORM CEMENT TREATED SUBGRADE ON TOP 12 INCHES.

IF SUBGRADE IS R < 17, THEN OVER EXCAVATE 24 INCHES AND REPLACE WITH R >/= 17 MATERIAL AND PERFORM CEMENT TREATED SUBGRADE ON TOP 12 INCHES.
[RECONDITIONING IS SPECIFIED IN SECTION 306 OF THE CDOT STANDARD SPECIFICATIONS].

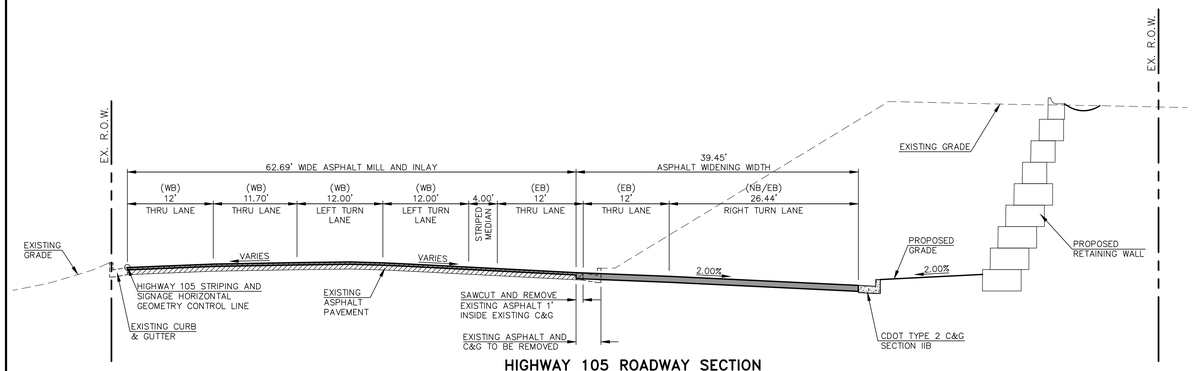
SUBGRADE FOR FILL CONDITIONS:
ALL FILL SHALL BE R >/= 17 MATERIAL WITH 12 INCHES OF CEMENT TREATED SUBGRADE ON TOP OF FILL MATERIAL.



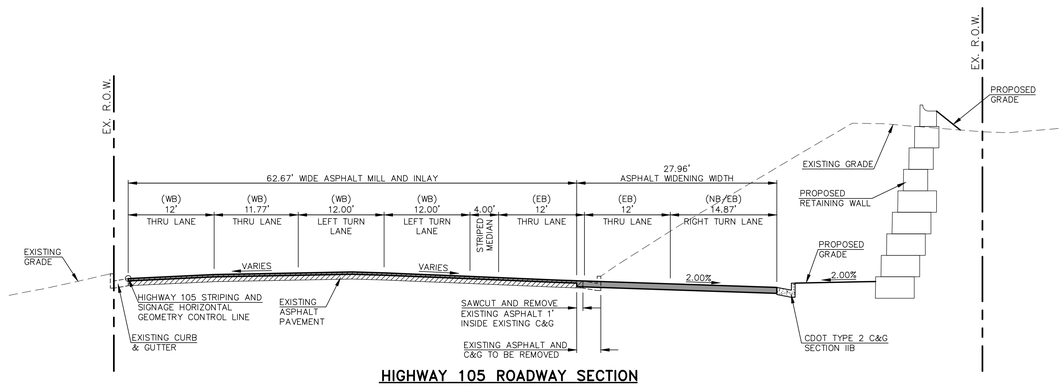
1. REFERENCE PAVEMENT RECOMMENDATIONS JACKSON CREEK PARKWAY AND U.S. STATE HIGHWAY 105 – GEOTECHNICAL RECOMMENDATION REPORT BY ENTECH ENGINEERING, INC. "ENTECH JOB NO.: 230008" DATED FEBRUARY 20, 2023 FOR INFORMATION ON SUBGRADE PREPARATION

TYPICAL PAVEMENT SECTION

NOTE:
THE FOLLOWING ASPHALT SECTIONS APPLY ONLY TO AREAS WITHIN THE STATE HIGHWAY 105 RIGHT-OF-WAY.



HIGHWAY 105 ROADWAY SECTION
STA. 7+74.97
SCALE: 1"=10' (H), 1"=5' (V)



HIGHWAY 105 ROADWAY SECTION
STA. 8+03.25
SCALE: 1"=10' (H), 1"=5' (V)

HIGHWAY 105 TYPICAL SECTION NOTES

1. BREAK POINTS IN SLOPES SHALL BE ROUNDED BY THE CONTRACTOR FOR A PLEASING APPEARANCE DURING CONSTRUCTION.
2. SEE HIGHWAY 105 IMPROVEMENT PLANS (SHEETS 12, 15 AND 17) FOR ADDITIONAL INFORMATION ON THE ROADWAY SECTION DIMENSIONS.
3. A TWO-INCH OVERLAY OF THE ROADWAY IN AREAS OF RECONSTRUCTION AND/OR RE-STRIPING IS REQUIRED. THE WIDTH OF THE OVERLAY SHALL ENCOMPASS ALL LANES CONTIGUOUS TO AREAS OF RECONSTRUCTION AND/OR RE-STRIPING.
4. SEE PAVEMENT RECOMMENDATIONS JACKSON CREEK PARKWAY AND U.S. STATE HIGHWAY 105 – GEOTECHNICAL RECOMMENDATION REPORT BY ENTECH ENGINEERING, INC. "ENTECH JOB NO.: 230008" DATED FEBRUARY 20, 2023 FOR INFORMATION ON SUBGRADE PREPARATION.
5. THE CONTRACTOR SHALL VERIFY ALL SUBGRADE CONDITIONS IN CUT AREAS PRIOR TO PREPARATION AND PAVING.
6. FOR FILL CONDITIONS, THE CONTRACTOR SHALL VERIFY SUBGRADE CONDITIONS THROUGH COMPACTION AND DENSITY TESTING PRIOR TO PAVING.
7. SMOOTHNESS CATEGORY SHALL BE CATEGORY 2.

48 HOURS BEFORE YOU DIG,
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NO.	REVISION	DATE
1	ADDED SECTION SHEET PER CDOT COMMENTS	7/10/23
2	REVISED PER COUNTY COMMENTS	10/23/23

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

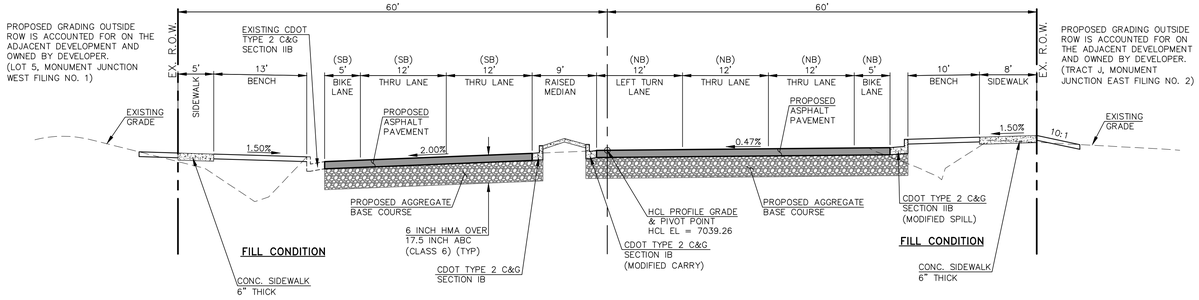
MARC A. WHORTON, COLORADO P.E. #37155 — DATE

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

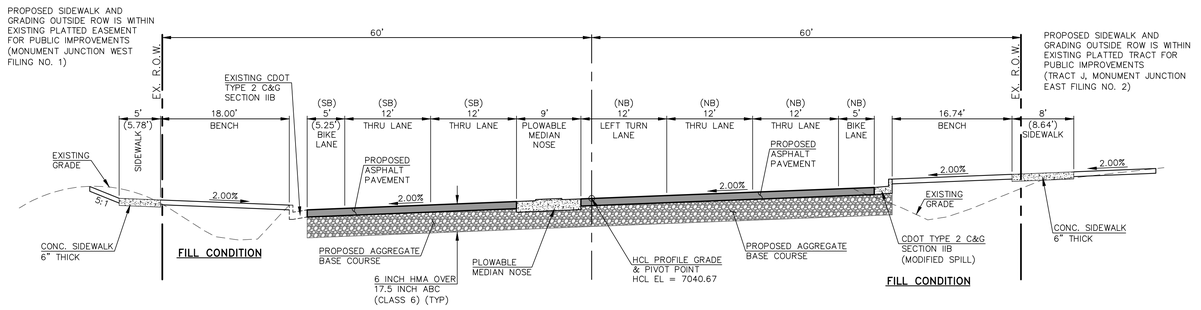
STATE HIGHWAY 105 / JACKSON CREEK PKWY. – PHASE 2 CONSTRUCTION PLANS
ROADWAY IMPROVEMENT PLANS
HIGHWAY 105 ROADWAY SECTIONS

DESIGNED BY	PRA	SCALE		DATE	02-23-23
DRAWN BY	PRA	(H) 1"= 50'		SHEET	9 OF 26
CHECKED BY		(V) 1"= N/A		JOB NO.	1302.22

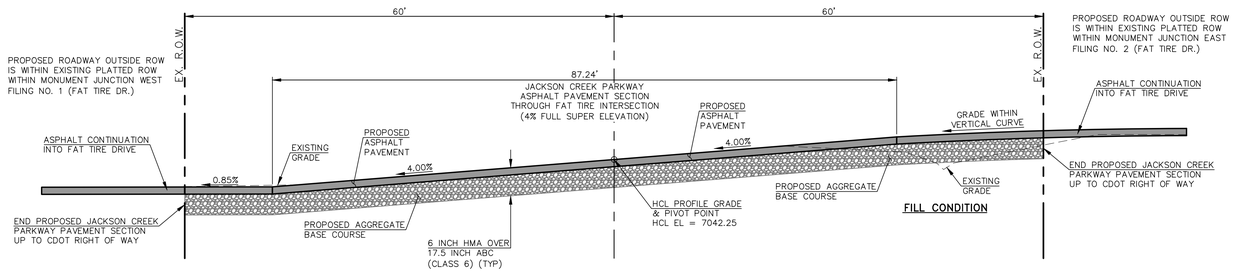
V:\13022\CAD\DRAWINGS\CONSTRUCTION\SHEET-09-105 ROADWAY-SEC2.dwg, 10/27/2023 3:34:16 PM, 1:1



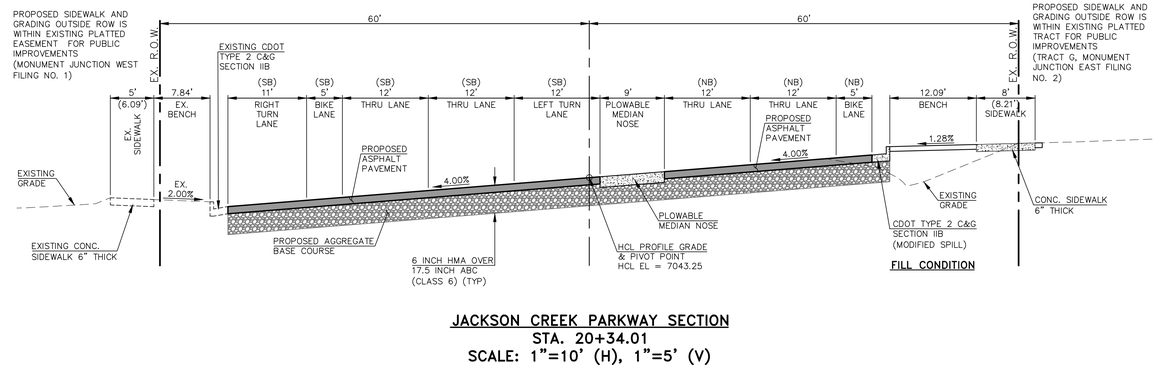
JACKSON CREEK PARKWAY SECTION
STA. 18+73.48
SCALE: 1"=10' (H), 1"=5' (V)



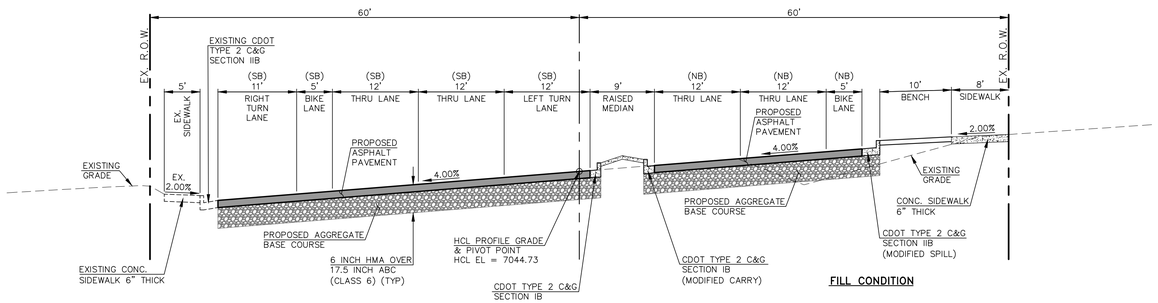
JACKSON CREEK PARKWAY SECTION
STA. 19+22.22
SCALE: 1"=10' (H), 1"=5' (V)



JACKSON CREEK PARKWAY SECTION
STA. 19+84.20
SCALE: 1"=10' (H), 1"=5' (V)



JACKSON CREEK PARKWAY SECTION
STA. 20+34.01
SCALE: 1"=10' (H), 1"=5' (V)

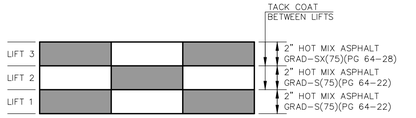


JACKSON CREEK PARKWAY SECTION
STA. 22+63.43
SCALE: 1"=10' (H), 1"=5' (V)

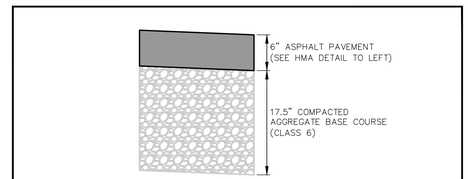
HOT MIX ASPHALT PAVEMENT STRUCTURE TABLE

TOTAL HOT MIX ASPHALT DEPTH		6.0"
# OF LIFTS		3
HOT MIX ASPHALT BINDER COURSE GRAD–S(75) (PG 64–22)	LIFT 1	2.0"
	LIFT 2	2.0"
HOT MIX ASPHALT SURFACE COURSE GRAD–SX(75) (PG 64–28)	LIFT 3	2.0"

NOTE:
THE FOLLOWING ASPHALT SECTIONS APPLY ONLY TO AREAS WITHIN THE JACKSON CREEK PARKWAY RIGHT–OF–WAY, SOUTH OF HIGHWAY 105.



TYPICAL HOT MIX ASPHALT PAVEMENT LIFT SECTION



1. REFERENCE GEOTECHNICAL EVALUATION REPORT (DRAFT) DATED 2/18/2022 PREPARED BY VIVID ENGINEERING GROUP AND PAVEMENT RECOMMENDATIONS FOR SUBGRADE TREATMENT, AGGREGATE BASE COURSE AND HOT MIX ASPHALT CONSTRUCTION RECOMMENDATIONS.

TYPICAL PAVEMENT SECTION

TYPICAL SECTION NOTES

1. BREAK POINTS IN SLOPES SHALL BE ROUNDED BY THE CONTRACTOR FOR A PLEASING APPEARANCE DURING CONSTRUCTION.
2. SEE JACKSON CREEK PARKWAY IMPROVEMENT PLANS (SHEETS 12, 13 AND 17) FOR ADDITIONAL INFORMATION ON THE ROADWAY SECTION DIMENSIONS.
3. A TWO–INCH OVERLAY OF THE ROADWAY IN AREAS OF RECONSTRUCTION AND/OR RE–STRIPING IS REQUIRED. THE WIDTH OF THE OVERLAY SHALL ENCOMPASS ALL LANES CONTIGUOUS TO AREAS OF RECONSTRUCTION AND/OR RE–STRIPING.
4. SEE PROPOSED JACKSON CREEK PARKWAY WIDENING, HIGHWAY 105 TO HIGBY ROAD – GEOTECHNICAL EVALUATION REPORT (DRAFT) BY VIVID ENGINEERING GROUP "VIVID PROJECT NO.: D21–2–456" DATED 2–18–2022 FOR INFORMATION ON SUBGRADE PREPARATION.
5. THE CONTRACTOR SHALL VERIFY ALL SUBGRADE CONDITIONS IN CUT AREAS PRIOR TO PREPARATION AND PAVING.
6. FOR FILL CONDITIONS, THE CONTRACTOR SHALL VERIFY SUBGRADE CONDITIONS THROUGH COMPACTION AND DENSITY TESTING PRIOR TO PAVING.
7. SMOOTHNESS CATEGORY SHALL BE CATEGORY 2.

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NO.	REVISION	DATE
1	REVISED PER JACOBS COMMENTS	5/17/23
2	REVISED PER COUNTY COMMENTS	10/23/23

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

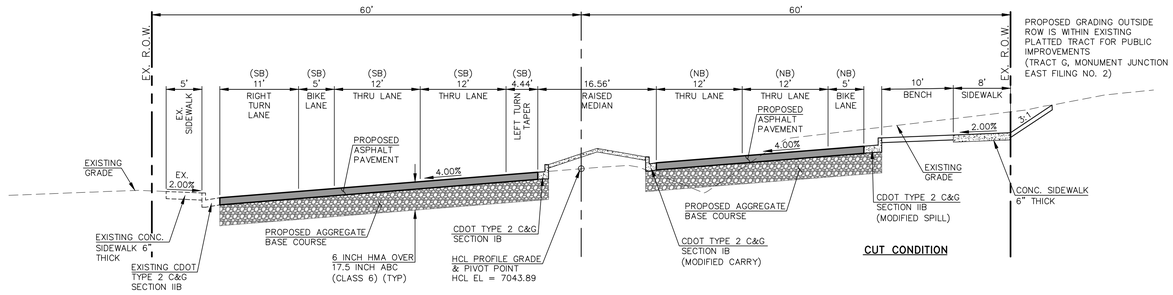
CLASSIC CONSULTING
619 N. Cascade Avenue, Suite 200 (719)785–0790
Colorado Springs, Colorado 80903 (719)785–0799(Fax)

STATE HIGHWAY 105 / JACKSON CREEK PKWY. – PHASE 2 CONSTRUCTION PLANS
ROADWAY IMPROVEMENT PLANS
JACKSON CREEK PKWY. ROADWAY SECTIONS

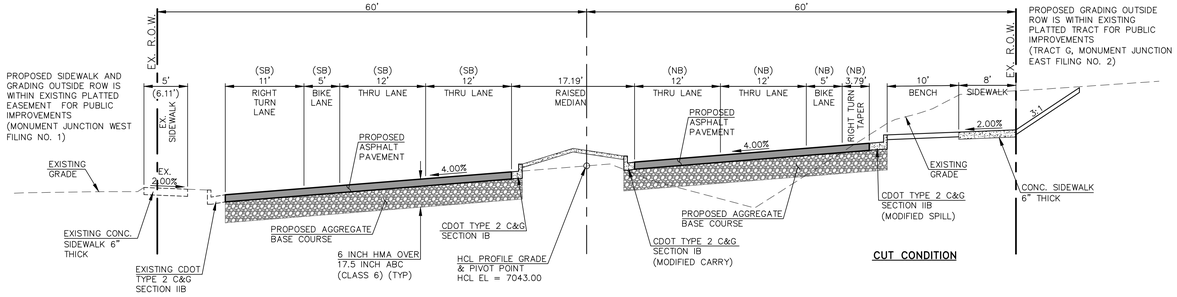
CLASSIC CONSULTING

DESIGNED BY	PRA	SCALE	DATE	02–23–23
DRAWN BY	PRA	(H) 1"= 50'	SHEET 10	OF 26
CHECKED BY		(V) 1"= N/A	JOB NO.	1302.22

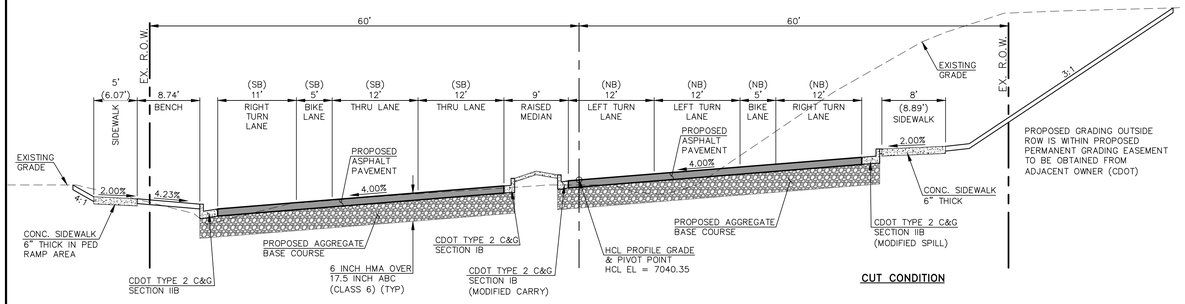
X:\1302\22\DRAWINGS\CONSTRUCTION\SHEET-10-TYP-SEC1.dwg, 10/27/2023 3:27:16 PM, 1:1



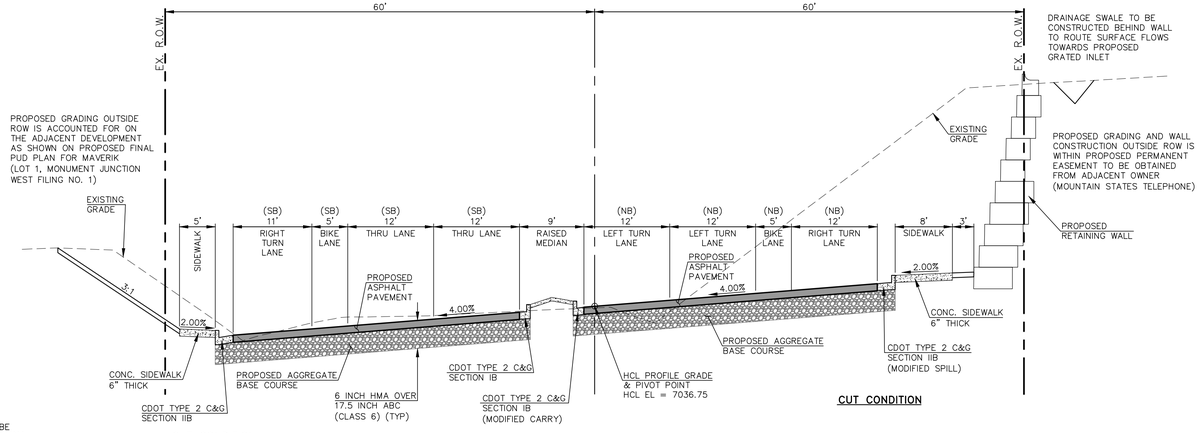
JACKSON CREEK PARKWAY SECTION
STA. 23+55.45
SCALE: 1"=10' (H), 1"=5' (V)



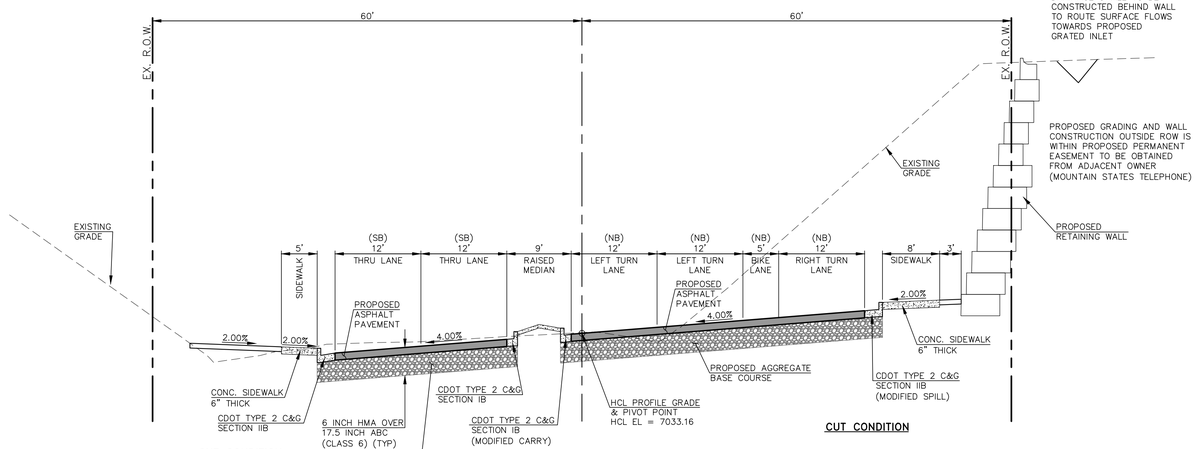
JACKSON CREEK PARKWAY SECTION
STA. 24+09.60
SCALE: 1"=10' (H), 1"=5' (V)



JACKSON CREEK PARKWAY SECTION
STA. 25+26.86
SCALE: 1"=10' (H), 1"=5' (V)



JACKSON CREEK PARKWAY SECTION
STA. 26+29.82
SCALE: 1"=10' (H), 1"=5' (V)



JACKSON CREEK PARKWAY SECTION
STA. 27+10.22
SCALE: 1"=10' (H), 1"=5' (V)

HOT MIX ASPHALT PAVEMENT STRUCTURE TABLE

TOTAL HOT MIX ASPHALT DEPTH		6.0"
# OF LIFTS		3
HOT MIX ASPHALT BINDER COURSE GRAD-S(75) (PG 64-22)	LIFT 1	2.0"
	LIFT 2	2.0"
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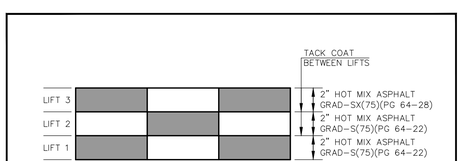
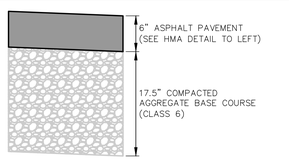
NOTE:
THE FOLLOWING ASPHALT SECTIONS APPLY ONLY TO AREAS WITHIN THE JACKSON CREEK PARKWAY RIGHT-OF-WAY, SOUTH OF HIGHWAY 105.



TYPICAL HOT MIX ASPHALT PAVEMENT LIFT SECTION



1. REFERENCE GEOTECHNICAL EVALUATION REPORT (DRAFT) DATED 2/18/2022 PREPARED BY VIVID ENGINEERING GROUP AND PAVEMENT RECOMMENDATIONS FOR SUBGRADE TREATMENT, AGGREGATE BASE COURSE AND HOT MIX ASPHALT CONSTRUCTION RECOMMENDATIONS.

TYPICAL PAVEMENT SECTION

TYPICAL SECTION NOTES

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NO.	REVISION	DATE
1	REVISED PER JACOBS COMMENTS	5/17/23
2	REVISED PER JACOBS AND COUNTY COMMENTS	10/23/23

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

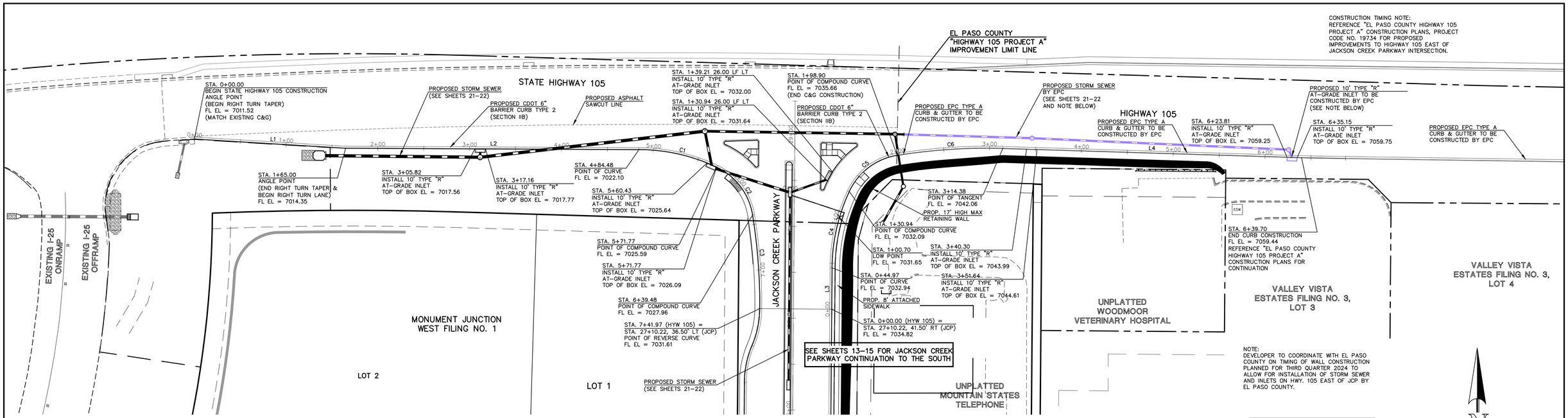
STATE HIGHWAY 105 / JACKSON CREEK PKWY. – PHASE 2 CONSTRUCTION PLANS
ROADWAY IMPROVEMENT PLANS
JACKSON CREEK PKWY. ROADWAY SECTIONS

CLASSIC CONSULTING

DESIGNED BY	PRA	SCALE		DATE	02-23-23
DRAWN BY	PRA	(H) 1"= 50'		SHEET 11	OF 26
CHECKED BY		(V) 1"= N/A		JOB NO.	1302.22

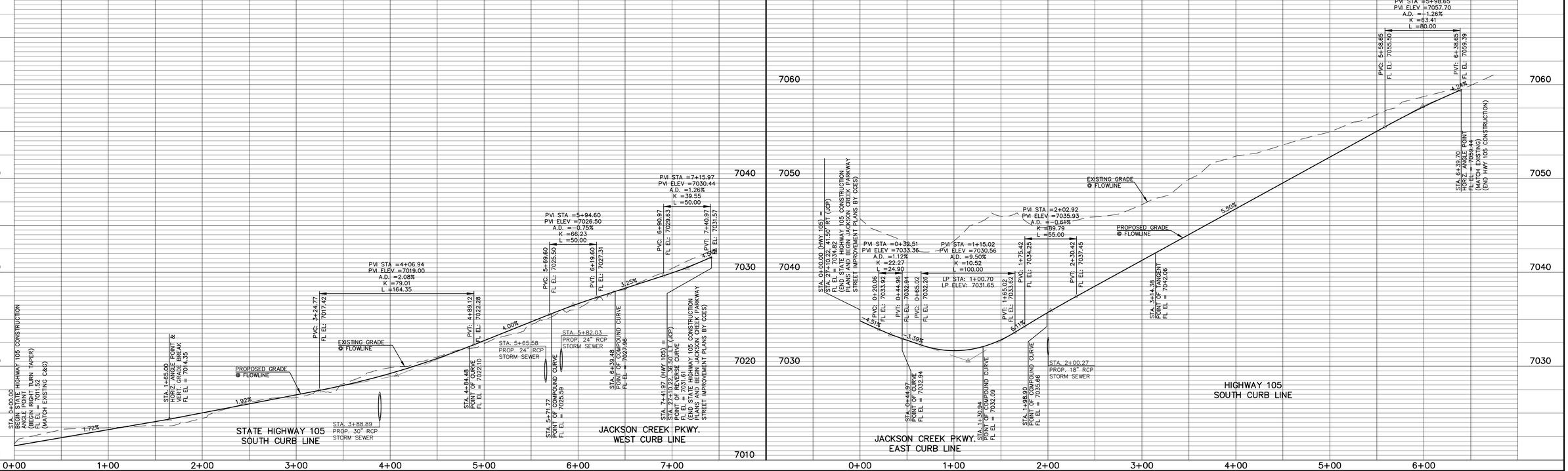
N:\1302\22\DRAWINGS\CONSTRUCTION\SHEET-11-TYP-SEC2.dwg, 10/27/2023 3:30:44 PM, 1:1

CONSTRUCTION TIMING NOTE:
REFERENCE "EL PASO COUNTY HIGHWAY 105 PROJECT A" CONSTRUCTION PLANS, PROJECT CODE NO. 19734 FOR PROPOSED IMPROVEMENTS TO HIGHWAY 105 EAST OF JACKSON CREEK PARKWAY INTERSECTION.



CURB & GUTTER FLOWLINE LINE TABLE		
LINE	LENGTH	BEARING
L1	165.00	S86°32'12"E
L2	319.48	S89°43'56"E
L3	44.97	N00°28'50"E
L4	325.31	S88°14'20"E

CURB & GUTTER FLOWLINE CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
C1	87.30	200.00	25°00'31"
C2	67.70	70.00	55°24'58"
C3	102.50	600.00	09°47'16"
C4	85.98	200.00	24°37'52"
C5	67.95	70.00	55°37'17"
C6	115.49	600.00	11°01'41"



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NO.	REVISION	DATE
1	REVISED PER CDOT/COUNTY/TOWN OF MONUMENT COMMENTS	7/10/23
2	REVISED PER COUNTY COMMENTS	10/24/23
3	REVISED STORM PER MEETING WITH COUNTY	1/24/24

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

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Colorado Springs, Colorado 80903 (719)785-0799(Fax)

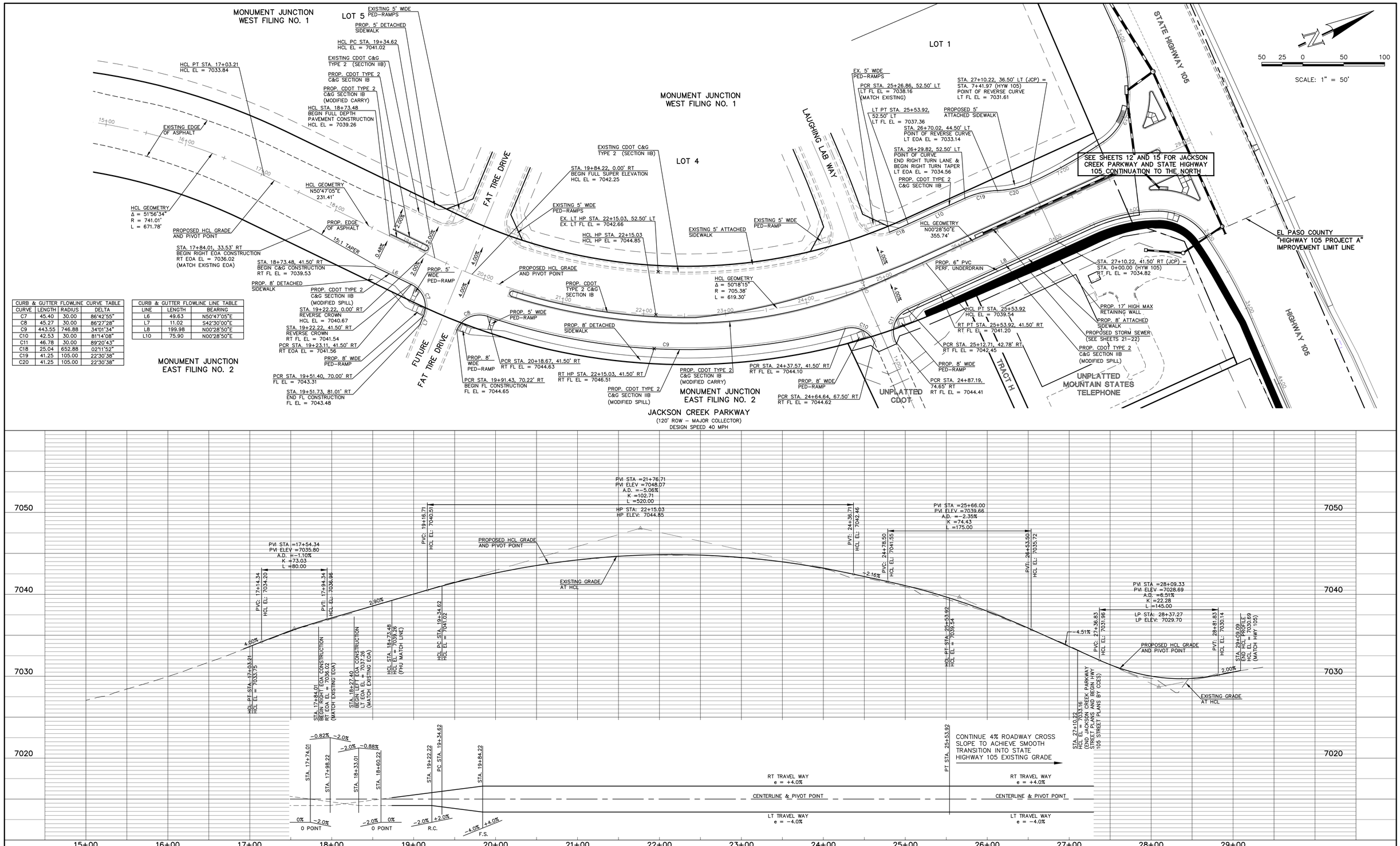
STATE HIGHWAY 105 / JACKSON CREEK PKWY. – PHASE 2 CONSTRUCTION PLANS

ROADWAY IMPROVEMENT PLANS
HIGHWAY 105 PLAN & PROFILE

CLASSIC CONSULTING ENGINEERS & SURVEYORS

DESIGNED BY	PRA	SCALE	DATE 02-23-23
DRAWN BY	PRA	(H) 1"= 50'	SHEET 12 OF 26
CHECKED BY		(V) 1"= 5'	JOB NO. 1302.22

N:\13022\DRAWINGS\CONSTRUCTION\SHEET-12-9-01.dwg, 1/25/2024 1:41:23 PM, 1:1



CURB & GUTTER FLOWLINE CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
C7	45.40	30.00	86°42'55"
C8	45.27	30.00	86°27'28"
C9	443.55	746.88	34°01'34"
C10	42.53	30.00	81°14'08"
C11	46.78	30.00	89°20'43"
C18	25.04	652.88	02°11'52"
C19	41.25	105.00	22°30'38"
C20	41.25	105.00	22°30'38"

CURB & GUTTER FLOWLINE LINE TABLE		
LINE	LENGTH	BEARING
L6	49.63	N50°47'05"E
L7	11.02	S42°30'00"E
L8	199.98	N00°28'50"E
L10	75.90	N00°28'50"E

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NO.	REVISION	DATE
1	REVISED PER CDOT/COUNTY/TOWN OF MONUMENT COMMENTS	7/10/23
2	REVISED PER JACOBS COMMENTS	10/24/23

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 SM
CONSULTING
ENGINEERS & SURVEYORS
619 N. Cascade Avenue, Suite 200
Colorado Springs, Colorado 80903
(719)785-0790
(719)785-0799(Fax)

STATE HIGHWAY 105 / JACKSON CREEK PKWY. – PHASE 2 CONSTRUCTION PLANS

ROADWAY IMPROVEMENT PLANS
JACKSON CREEK PKWY. PLAN & PROFILE

CLASSIC CONSULTING ENGINEERS & SURVEYORS

DESIGNED BY	PRA	SCALE		DATE	02-23-23
DRAWN BY	PRA	(H) 1"=	50'	SHEET	13 OF 26
CHECKED BY		(V) 1"=	5'	JOB NO.	1302.21

V:\1302221\DRAWINGS\CONSTRUCTION\SHEET-13-SH-02.dwg, 1/25/2024 12:50:57 PM, 1:1

CURB & GUTTER FLOWLINE CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
C21	11.00	3.50	180°00'00"
C22	11.00	3.50	180°00'00"
C23	225.73	707.88	18°16'14"
C24	145.94	699.54	11°57'13"
C25	142.38	695.88	11°43'22"
C26	229.36	714.88	18°22'58"
C27	233.63	570.00	23°29'02"

CURB & GUTTER FLOWLINE LINE TABLE		
LINE	LENGTH	BEARING
L11	45.76	N50°47'05"E
L12	45.76	N50°47'05"E
L13	156.30	N00°28'50"E
L14	214.03	N00°28'50"E

MONUMENT JUNCTION WEST FILING NO. 1

LOT 5

LOT 4

LOT 1

MONUMENT JUNCTION WEST FILING NO. 1

MONUMENT JUNCTION WEST FILING NO. 1

MONUMENT JUNCTION EAST FILING NO. 2

MONUMENT JUNCTION EAST FILING NO. 2

STA. 19+84.22, 0.00' RT
BEGIN FULL SUPER ELEVATION
CL EL = 7042.25

HCL PC STA. 19+34.62
HCL EL = 7041.02

PROP. 5' DETACHED SIDEWALK

STA. 19+19.24, 9.50' LT
BEGIN 1 INCH TBC
LT FL EL = 7040.42

STA. 19+13.74, 9.50' LT
END RAISED MEDIAN & BEGIN PLOWABLE MEDIAN NOSE
LT FL EL = 7040.26

STA. 18+73.48, 9.50' LT
BEGIN MEDIAN C&G
LT FL EL = 7039.09

EXISTING EDGE OF ASPHALT

HCL PT STA. 17+03.21
HCL EL = 7033.84

PROPOSED HCL GRADE AND PIVOT POINT

PROPOSED EDGE OF ASPHALT

STA. 18+73.48, 2.50' LT
BEGIN MEDIAN C&G
RT FL EL = 7039.17

PROP' CDOT TYPE 2 C&G SECTION IB (MODIFIED CARRY)

STA. 19+13.74, 2.50' LT
END RAISED MEDIAN & BEGIN PLOWABLE MEDIAN NOSE
RT FL EL = 7040.32

STA. 19+19.24, 2.50' LT
BEGIN 1 INCH TBC
RT FL EL = 7040.48

STA. 19+22.74, 6.00' LT
MIDDLE OF CURVE
FL EL = 7040.57

STA. 20+35.03, 6.00' RT
MIDDLE OF CURVE
FL EL = 7043.57

STA. 20+38.50, 9.50' RT
END 1 INCH TBC
RT FL EL = 7043.67

STA. 20+43.98, 9.50' RT
BEGIN PLOWABLE MEDIAN NOSE & BEGIN RAISED MEDIAN
RT FL EL = 7043.76

FUTURE FAT TIRE DRIVE

FAT TIRE DRIVE

STA. 22+63.43, 2.50' RT
END LEFT TURN LANE & BEGIN LEFT TURN TAPER
LT FL EL = 7044.83

STA. 20+38.50, 2.50' RT
END 1 INCH TBC
LT FL EL = 7043.43

STA. 20+43.98, 2.50' RT
BEGIN PLOWABLE MEDIAN NOSE & BEGIN RAISED MEDIAN
LT FL EL = 7043.53

LEFT MEDIAN HP
STA. 22+15.03, 2.50' RT
LT FL EL = 7044.95

PROP' CDOT TYPE 2 C&G SECTION IB

PROPOSED HCL GRADE AND PIVOT POINT

RIGHT MEDIAN HP
STA. 22+15.03, 9.50' RT
RT FL EL = 7045.19

PROP. 8' DETACHED SIDEWALK

PROP. CDOT TYPE 2 C&G SECTION IB (MODIFIED CARRY)

STA. 22+64.81, 9.50' RT
POINT OF COMPOUND CURVE
RT FL EL = 7045.07

STA. 24+96.11, 0.13' LT
END COMPOUND CURVE & BEGIN TANGENT
RT FL EL = 7041.10

JACKSON CREEK PARKWAY
(120' ROW – MAJOR COLLECTOR)
DESIGN SPEED 40 MPH

LAUGHING LAB WAY

STA. 24+09.60, 9.50' LT
END LEFT TURN TAPER
LT FL EL = 7042.63

EXISTING 5' ATTACHED SIDEWALK

PROP. CDOT TYPE 2 C&G SECTION IB

PROP. 5' ATTACHED SIDEWALK

STA. 27+10.22, 9.50' LT
LT FL EL = 7032.78

STA. 26+32.94, 2.50' LT
INSTALL 10' TYPE "R" AT-GRADE INLET
TOP OF BOX EL = 7036.98

STA. 26+21.60, 2.50' LT
INSTALL 10' TYPE "R" AT-GRADE INLET
TOP OF BOX EL = 7037.45

PT STA. 25+53.92, 9.50' LT
LT FL EL = 7039.16

STATE HIGHWAY 105

SEE SHEETS 12 AND 13 FOR JACKSON CREEK PARKWAY AND STATE HIGHWAY 105 CONTINUATION TO THE NORTH

EL PASO COUNTY
"HIGHWAY 105 PROJECT A"
IMPROVEMENT LIMIT LINE

STA. 27+10.22, 2.50' LT
RT FL EL = 7033.02

PROP. 17' HIGH MAX RETAINING WALL

PROP. 8' ATTACHED SIDEWALK

PROPOSED STORM SEWER (SEE SHEETS 21-22)

PROP. CDOT TYPE 2 C&G SECTION IB (MODIFIED CARRY)

STA. 25+53.92, 2.50' LT
RT FL EL = 7039.40

HCL PT STA. 25+53.92
HCL EL = 7039.54

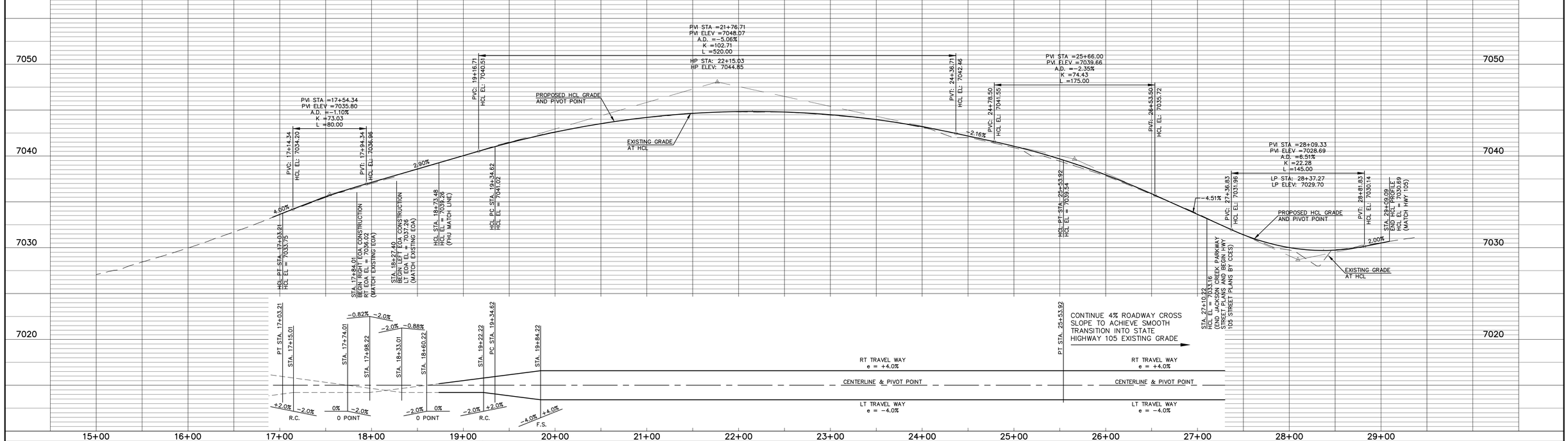
TRACT H

UNPLATTED MOUNTAIN STATES TELEPHONE

UNPLATTED CDOT

HIGHWAY 105

50 25 0 50 100
SCALE: 1" = 50'



48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS
811
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NO.	REVISION	DATE
1	REVISED PER CDOT/COUNTY/TOWN OF MONUMENT COMMENTS	7/10/23

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

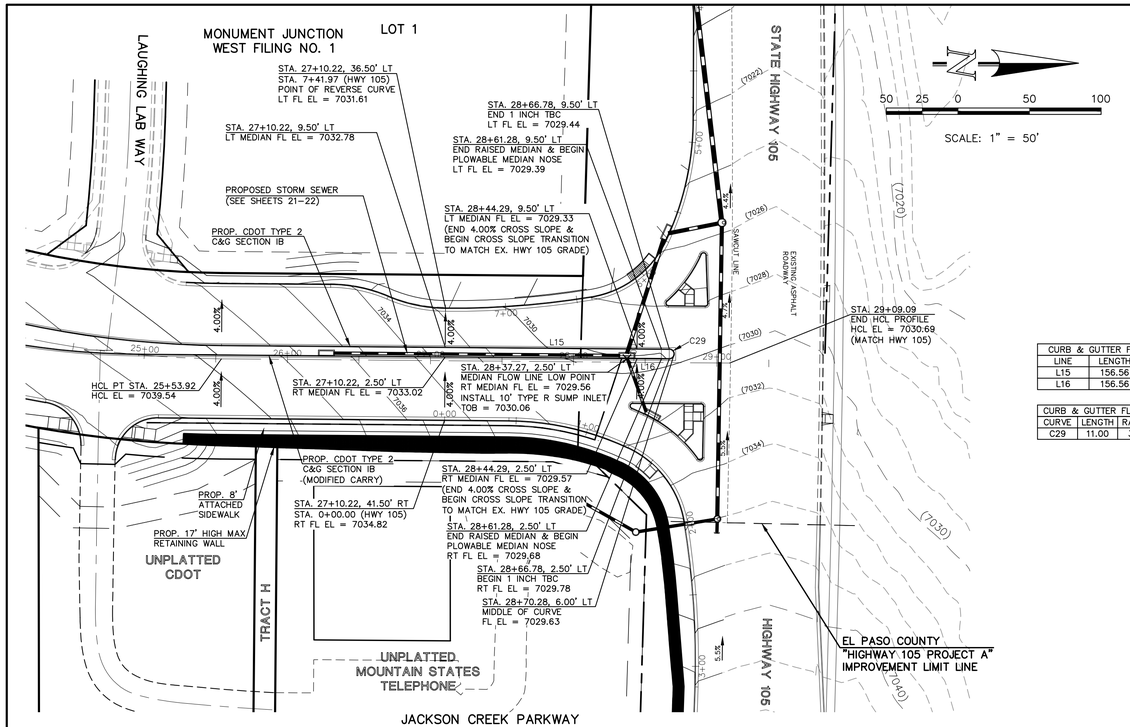
STATE HIGHWAY 105 / JACKSON CREEK PKWY. – PHASE 2 CONSTRUCTION PLANS

ROADWAY IMPROVEMENT PLANS

JACKSON CREEK PKWY. RAISED MEDIAN PLAN

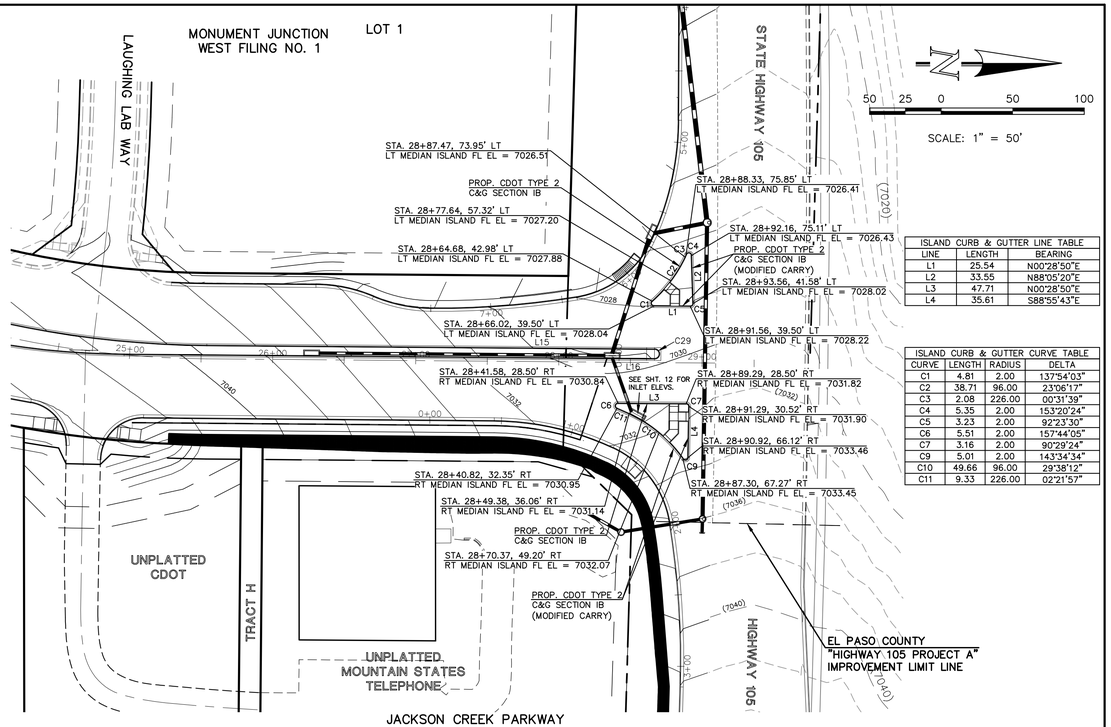
DESIGNED BY	PRA	SCALE		DATE	02-23-23
DRAWN BY	PRA	(H) 1"=	50'	SHEET	14 OF 26
CHECKED BY		(V) 1"=	5'	JOB NO.	1302.22

V:\1302\2\DRAWINGS\CONSTRUCTION\SHEET-14-SH-03.dwg, 1/25/2024 12:53:03 PM, h-1



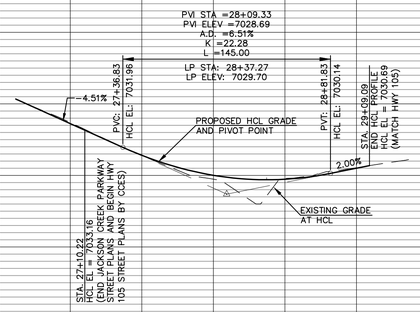
CURB & GUTTER FLOWLINE LINE TABLE		
LINE	LENGTH	BEARING
L15	156.56	N00°28'50"E
L16	156.56	N00°28'50"E

CURB & GUTTER FLOWLINE CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
C29	11.00	3.50	180°00'00"



ISLAND CURB & GUTTER LINE TABLE		
LINE	LENGTH	BEARING
L1	25.54	N00°28'50"E
L2	33.55	N88°05'20"E
L3	47.71	N00°28'50"E
L4	35.61	S88°55'43"E

ISLAND CURB & GUTTER CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA
C1	4.81	2.00	137°54'03"
C2	38.71	96.00	23°06'17"
C3	2.08	226.00	00°31'39"
C4	5.35	2.00	153°20'24"
C5	3.23	2.00	92°23'30"
C6	5.51	2.00	157°44'05"
C7	3.16	2.00	90°29'24"
C9	5.01	2.00	143°34'34"
C10	49.66	96.00	29°38'12"
C11	9.33	226.00	02°21'57"



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NO.	REVISION	DATE
1	REVISED PER CDOT/COUNTY/TOWN OF MONUMENT COMMENTS	7/10/23
2	REVISED PER COUNTY COMMENTS	10/24/23
3	REVISED STORM PER MEETING WITH COUNTY	1/24/24

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

STATE HIGHWAY 105 / JACKSON CREEK PKWY. - PHASE 2 CONSTRUCTION PLANS

ROADWAY IMPROVEMENT PLANS
INTERSECTION RAISED MEDIAN PLAN

DESIGNED BY	PRA	SCALE		DATE	02-23-23
DRAWN BY	PRA	(H) 1"=	50'	SHEET	15 OF 26
CHECKED BY		(V) 1"=	5'	JOB NO.	1302.22

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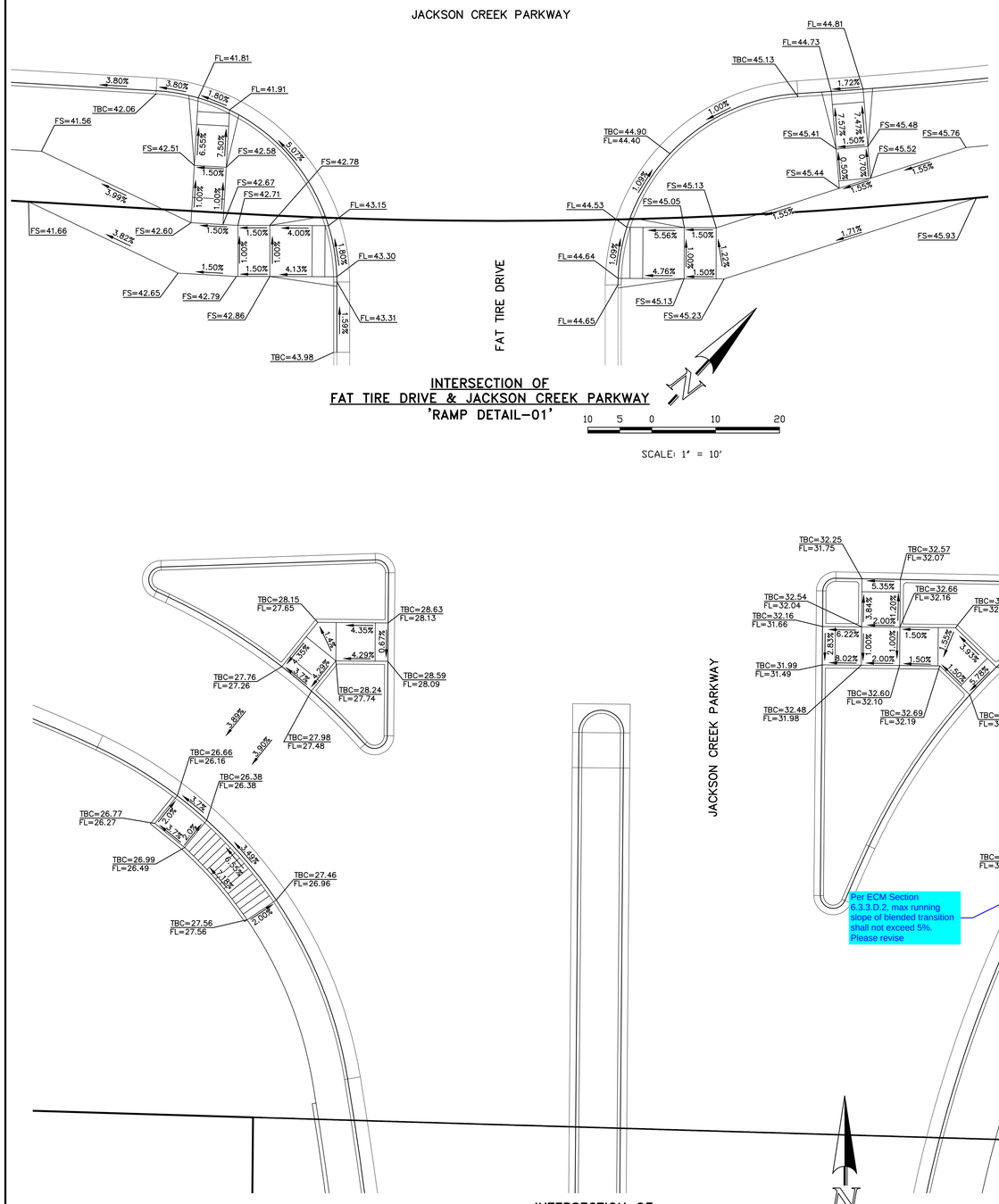

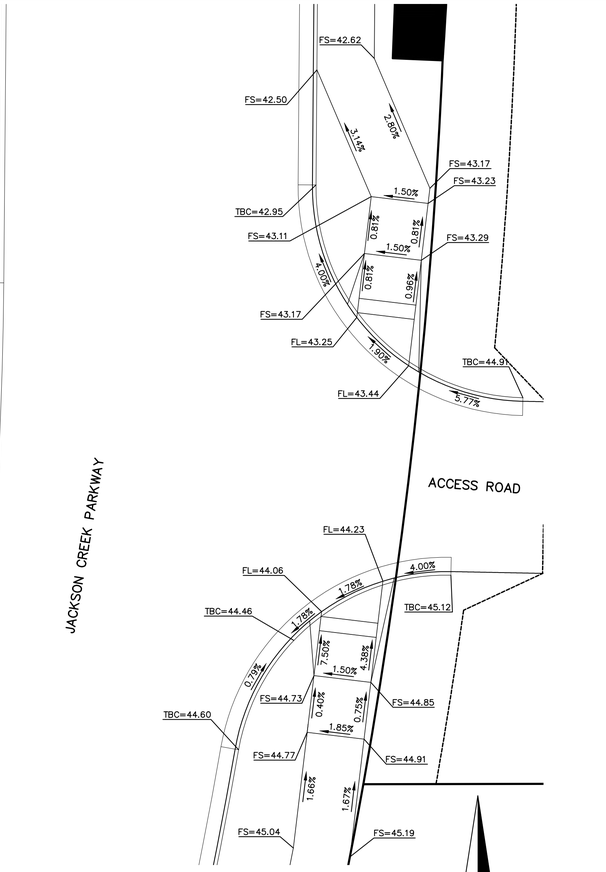

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NO.	REVISION	DATE
1	ADDED PEDRAMP DETAIL SHEET TO PLAN	6-23-23
2	REVISED PER COUNTY COMMENTS	10/24/23

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

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Colorado Springs, Colorado 80903 (719)785-0799(Fax)

STATE HIGHWAY/ JACKSON CREEK PKWY. - PHASE 2 CONSTRUCTION PLANS
ROADWAY IMPROVEMENT PLANS
PEDESTRIAN RAMP DETAILS

DESIGNED BY	PRA	SCALE		DATE	6-23-23
DRAWN BY	PRA	(H) 1"= 10'		SHEET	16 OF 26
CHECKED BY		(V) 1"= N/A		JOB NO.	1302.22

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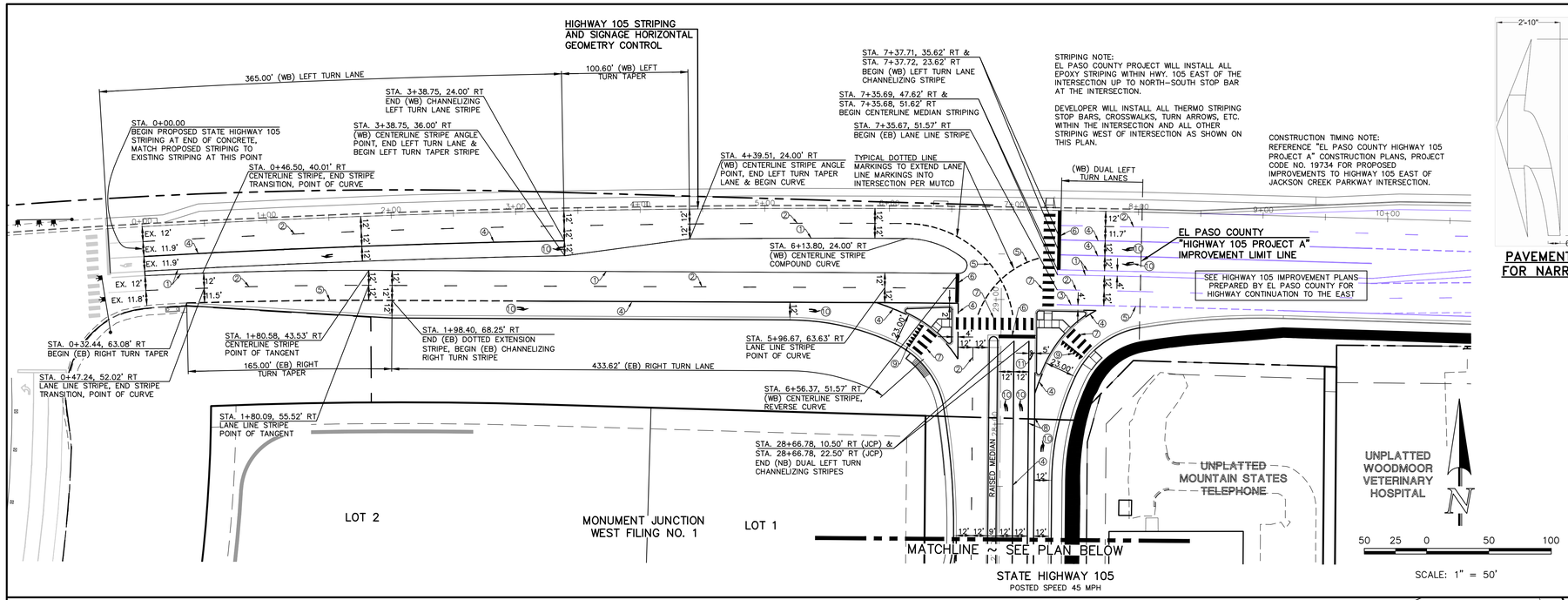
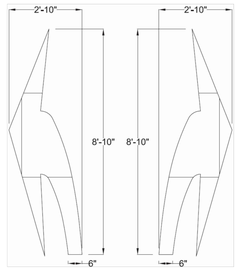
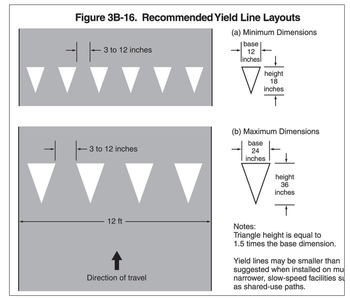
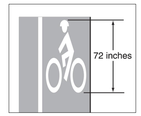




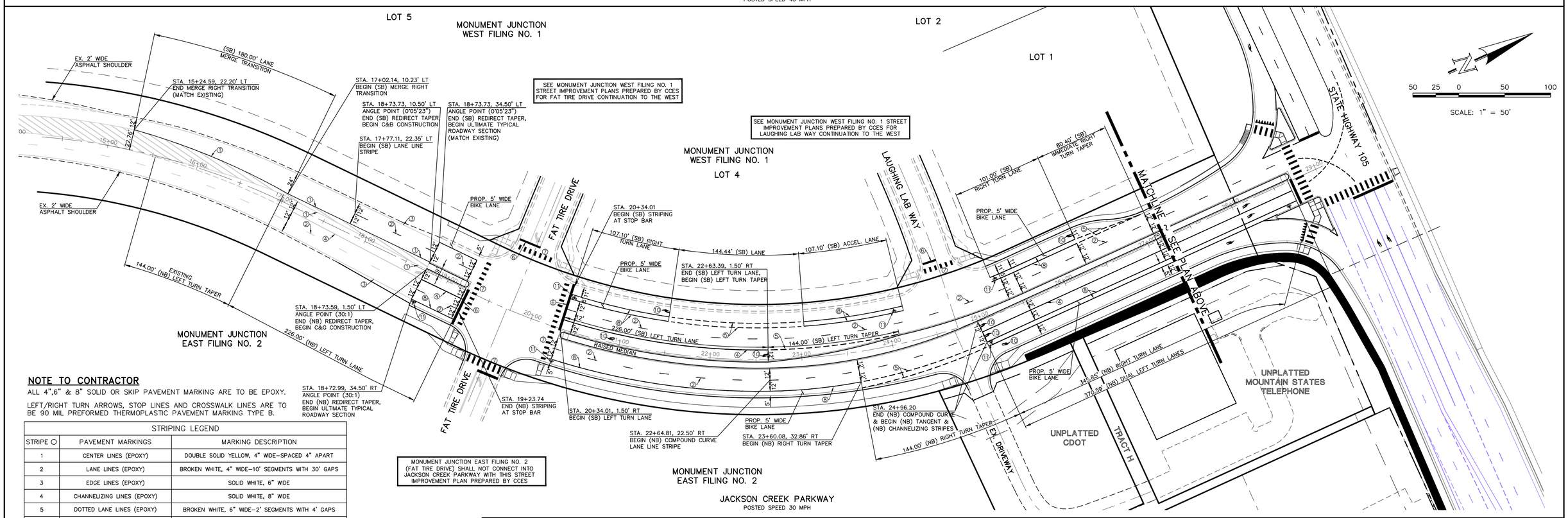
PAVEMENT MARKING DETAIL FOR NARROW TURN ARROWS



PAVEMENT MARKING DETAIL FOR YIELD LINE PER MUTCD



PAVEMENT MARKING DETAIL FOR BIKE LANE SYMBOL PER MUTCD



NOTE TO CONTRACTOR

ALL 4",6" & 8" SOLID OR SKIP PAVEMENT MARKING ARE TO BE EPOXY.

LEFT/RIGHT TURN ARROWS, STOP LINES AND CROSSWALK LINES ARE TO BE 90 MIL PREFORMED THERMOPLASTIC PAVEMENT MARKING TYPE B.

STRIPING LEGEND		
STRIPE #	PAVEMENT MARKINGS	MARKING DESCRIPTION
1	CENTER LINES (EPOXY)	DOUBLE SOLID YELLOW, 4" WIDE-SPACED 4" APART
2	LANE LINES (EPOXY)	BROKEN WHITE, 4" WIDE-10' SEGMENTS WITH 30' GAPS
3	EDGE LINES (EPOXY)	SOLID WHITE, 6" WIDE
4	CHANNELIZING LINES (EPOXY)	SOLID WHITE, 8" WIDE
5	DOTTED LANE LINES (EPOXY)	BROKEN WHITE, 6" WIDE-2' SEGMENTS WITH 4' GAPS
6	STOP LINES (THERMO PLASTIC)	SOLID WHITE, 24" WIDE
7	CROSSWALK LINES (THERMO PLASTIC)	SOLID WHITE, 24" WIDE, 9' LONG, 48" GAPS
8	BIKE LANE CHANNELIZING LINES (EPOXY)	SOLID WHITE, 6" WIDE
9	YIELD PAVEMENT MARKINGS (EPOXY)	SEE DETAIL AT TOP RIGHT OF PLAN
10	TURN ARROW MARKINGS (EPOXY)	SEE DETAIL AT TOP RIGHT OF PLAN
11	BIKE LANE MARKINGS (EPOXY)	SEE DETAIL AT TOP RIGHT OF PLAN

*NOTE: ALL STRIPING INSTALLATION SHALL BE PER COLORADO DEPARTMENT OF TRANSPORTATION "M&S STANDARDS" STANDARD PLAN NO. S-627-1

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NO.	REVISION	DATE
1	REVISED PER CDOT/COUNTY/TOWN OF MONUMENT COMMENTS	7/10/23
2	REVISED PER JACOBS AND CDOT COMMENTS	10/24/23
3	ADDED STRIPING CALLOUT LEADERS PER JACOB COMMENT	1/2/24
4	ADDED STRIPING NOTE PER MEETING WITH COUNTY	1/24/24

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 SM CONSULTING ENGINEERS & SURVEYORS
619 N. Cascade Avenue, Suite 200 (719)785-0790
Colorado Springs, Colorado 80903 (719)785-0799(Fax)

STATE HIGHWAY 105 / JACKSON CREEK PKWY. – PHASE 2 CONSTRUCTION PLANS

ROADWAY IMPROVEMENT PLANS
STRIPING PLAN

CLASSIC CONSULTING ENGINEERS & SURVEYORS

DESIGNED BY	PRA	SCALE		DATE	02-23-23
DRAWN BY	PRA	(H) 1"=	50'	SHEET	17 OF 26
CHECKED BY		(V) 1"=	N/A	JOB NO.	1302.22

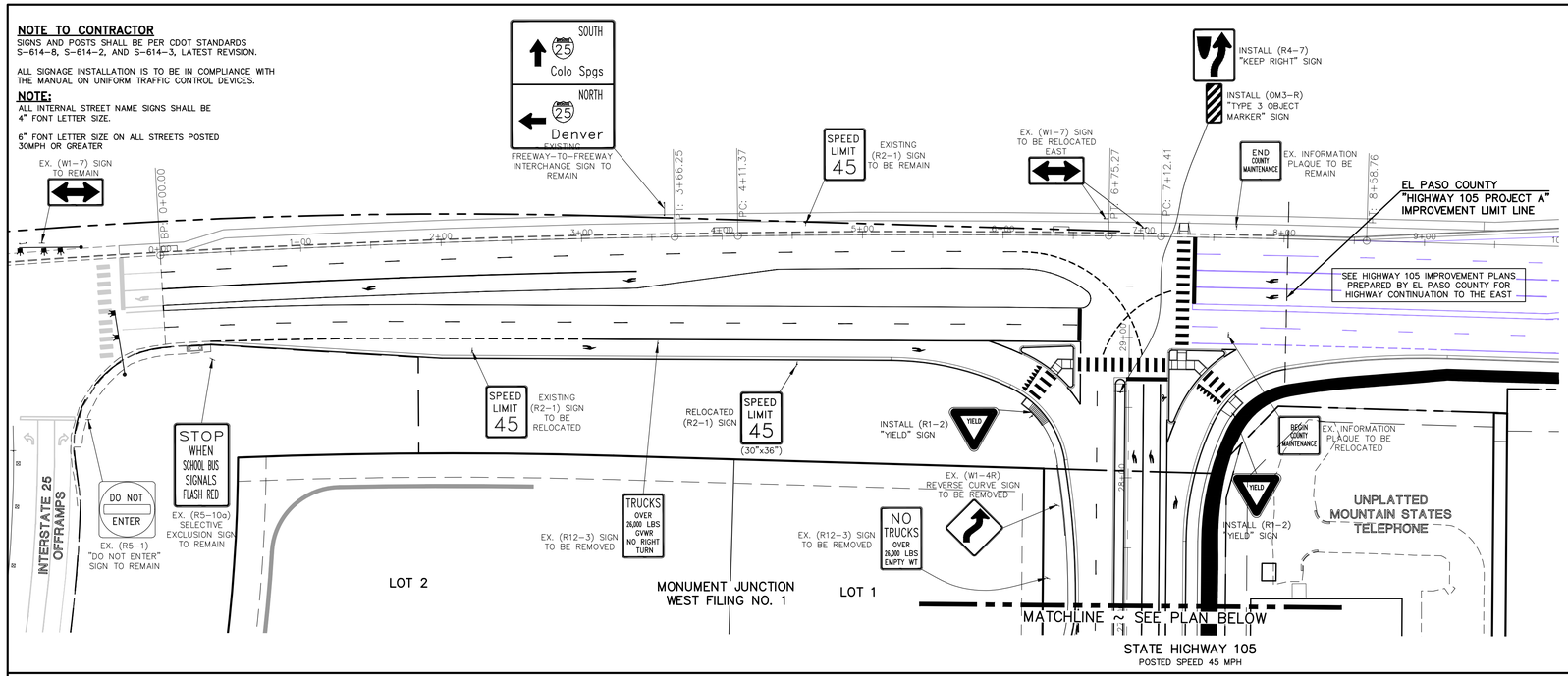
\\1302.22\DRAWINGS\CONSTRUCTION\SHEET-17-STRIPING-01.dwg, 1/25/2024 1:18:37 PM, 1:1

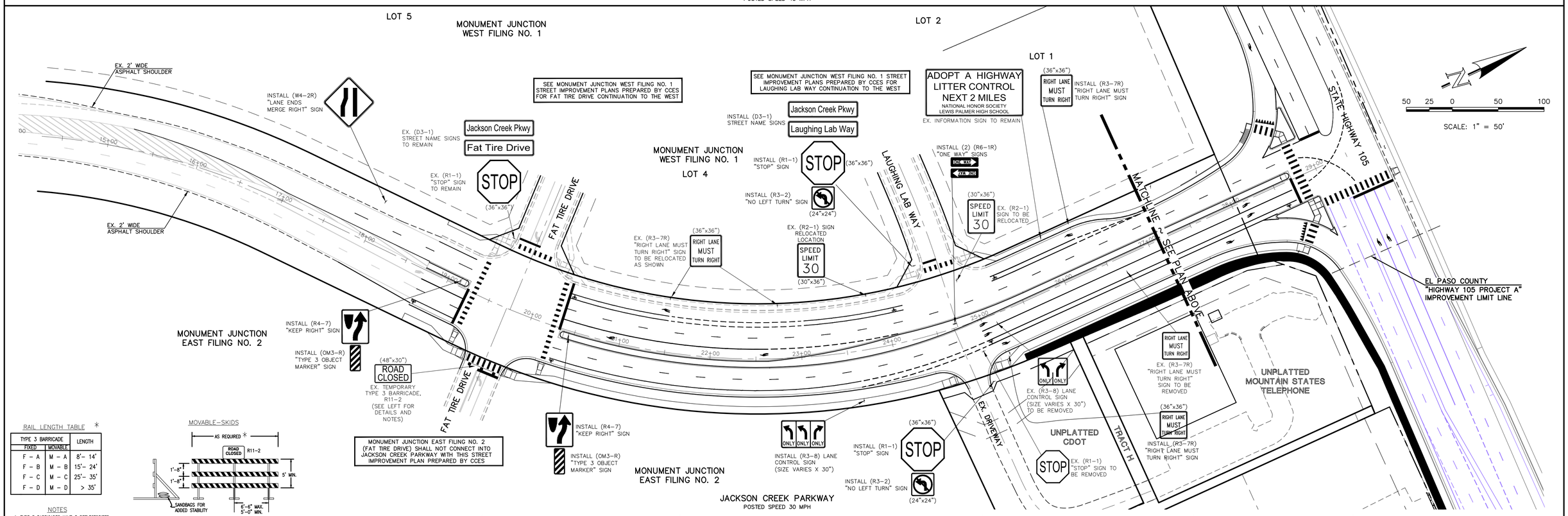
NOTE TO CONTRACTOR
SIGNS AND POSTS SHALL BE PER CDOT STANDARDS S-614-8, S-614-2, AND S-614-3, LATEST REVISION.

ALL SIGNAGE INSTALLATION IS TO BE IN COMPLIANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

NOTE:
ALL INTERNAL STREET NAME SIGNS SHALL BE 4" FONT LETTER SIZE.

6" FONT LETTER SIZE ON ALL STREETS POSTED 30MPH OR GREATER





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
1. TYPE 3 BARRICADES HAVE 3 REFLECTORIZED RAIL FACES IF FACING TRAFFIC IN ONE DIRECTION AND 6 IF FACING TRAFFIC IN TWO DIRECTIONS.
2. THE PORTION OF THE POST ABOVE THE GROUND LINE SHALL BE PAINTED IN ACCORDANCE WITH THE APPROPRIATE GENERAL NOTE.
3. 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.

MOVABLE-SKIDS

MOVABLE-HINGED

TYPICAL TYPE 3 BARRICADES

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NO.	REVISION	DATE
1	REVISED PER CDOT/COUNTY/TOWN OF MONUMENT COMMENTS	7/10/23
2	REVISED PER JACOBS ANDN CDOT COMMENTS	10/25/23

REVIEW:

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STATE HIGHWAY 105 / JACKSON CREEK PKWY. - PHASE 2 CONSTRUCTION PLANS

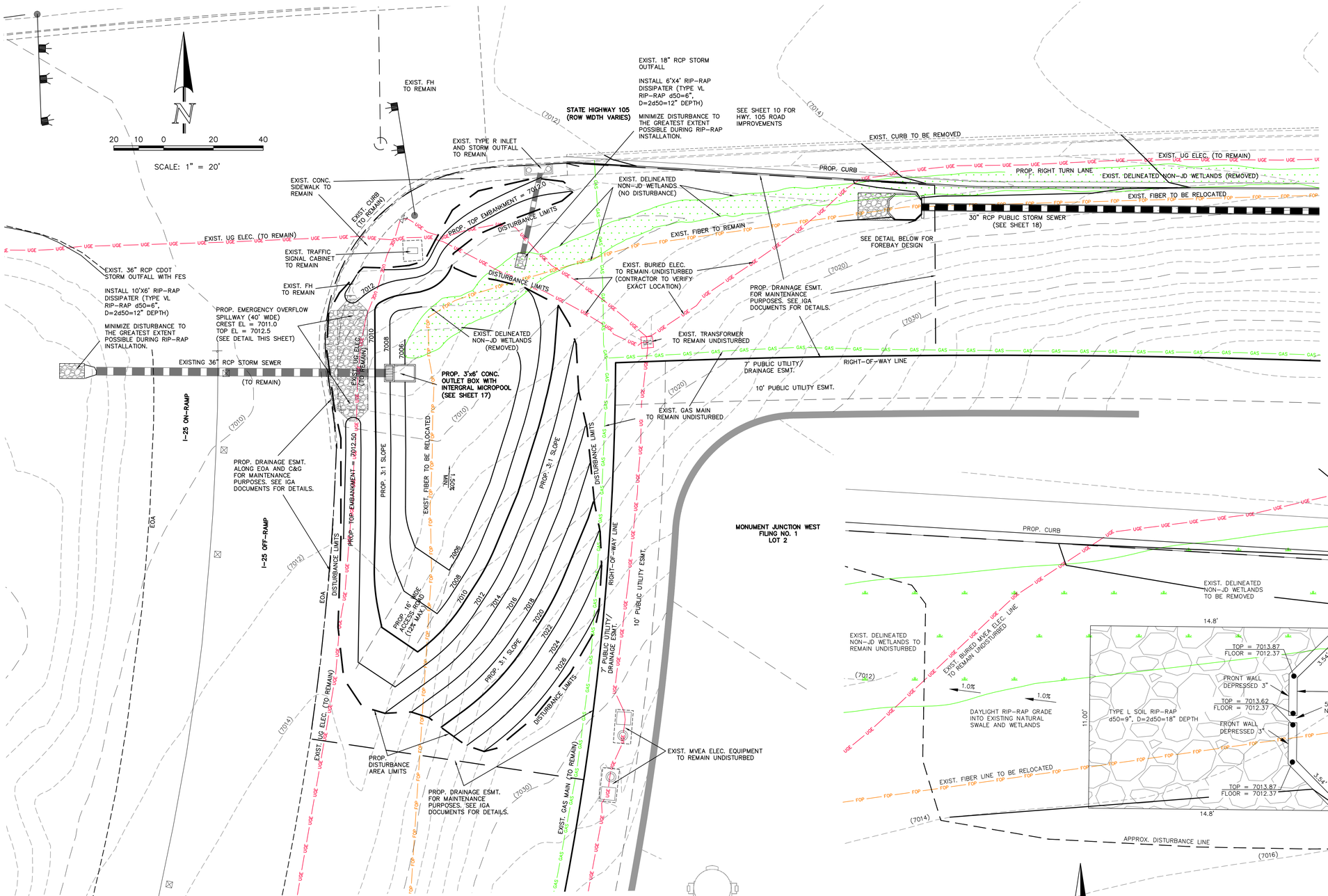
ROADWAY IMPROVEMENT PLANS

SIGNAGE PLAN

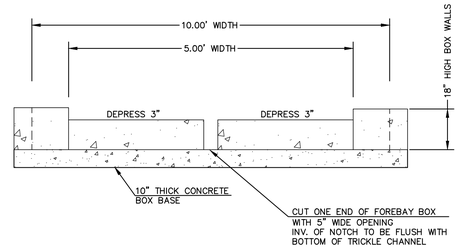
CLASSIC CONSULTING ENGINEERS & SURVEYORS

DESIGNED BY	PRA	SCALE	DATE 02-23-23
DRAWN BY	PRA	(H) 1"= 50'	SHEET 18 OF 26
CHECKED BY		(V) 1"= N/A	JOB NO. 1302.22

\\ 130222\DRAWINGS\CONSTRUCTION\SHEET-18-SIGNAGE-01.dwg, 1/25/2024 1:27:36 PM, 1:1

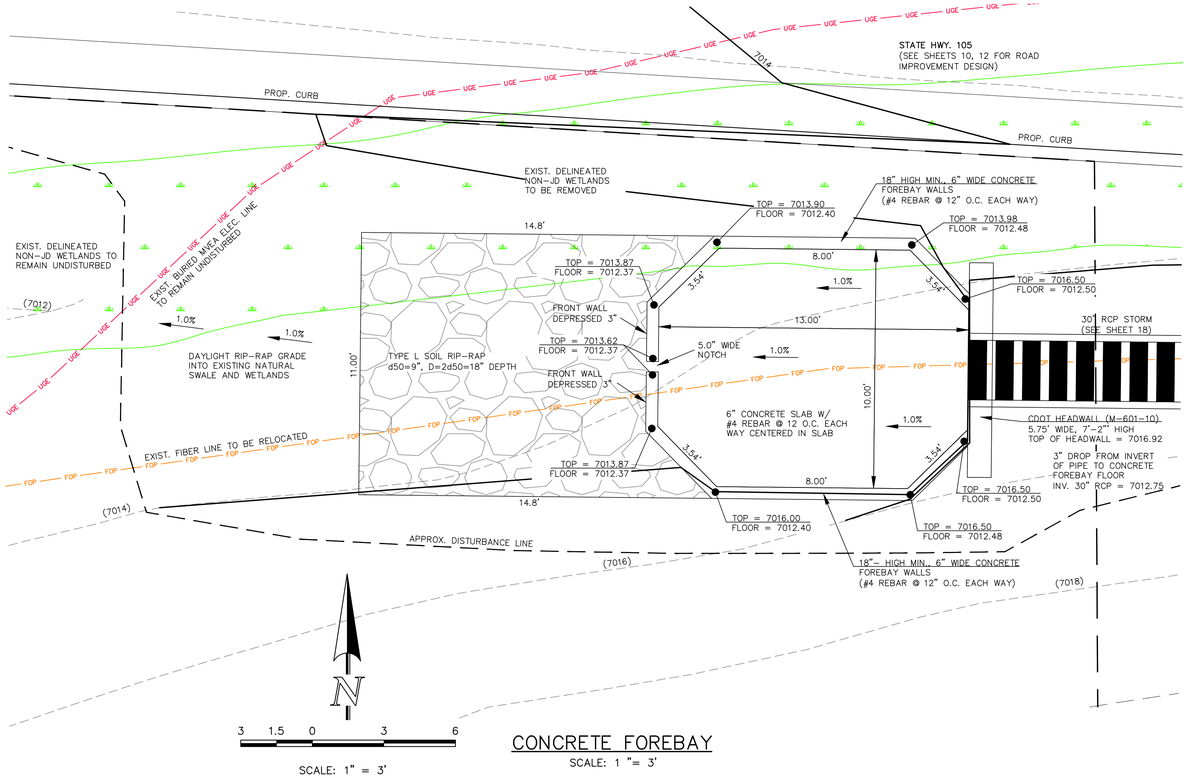


NOTE:
REFERENCE IGA BETWEEN CDOT AND TOWN OF MONUMENT FOR PROPOSED POND OWNERSHIP AND MAINTENANCE RESPONSIBILITIES.



CONCRETE FOREBAY NOTCH

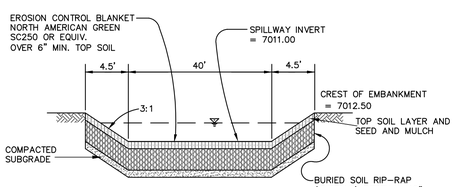
N.T.S



CONCRETE FOREBAY

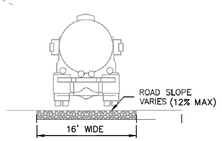
SCALE: 1" = 3'

STORMWATER QUALITY FACILITY



EMERGENCY SPILLWAY CROSS SECTION

SCALE: N.T.S.



12" LAYER OF AGGREGATE BASE COURSE OR CRUSHED GRAVEL OVER COMPACTED SUBGRADE

ACCESS ROAD

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NO.	REVISION	DATE
1	REVISED PER CDOT/COUNTY/TOWN OF MONUMENT COMMENTS	7/10/23
2	REVISED PER JACOBS COMMENTS	10/25/23

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 SM
CONSULTING ENGINEERS & SURVEYORS
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Colorado Springs, Colorado 80903 (719)785-0799(Fax)

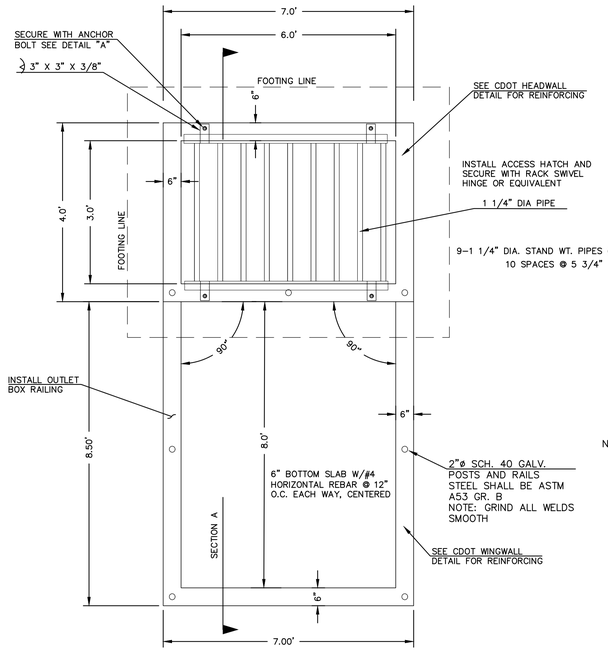
STATE HIGHWAY 105 / JACKSON CREEK PKWY. – PHASE 2 CONSTRUCTION PLANS

STORMWATER QUALITY FACILITY
POND PLAN AND FOREBAY DETAIL

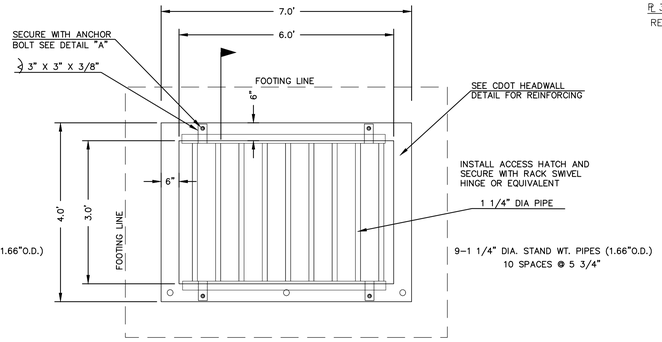
CLASSIC CONSULTING ENGINEERS & SURVEYORS

DESIGNED BY	MAW	SCALE	DATE 02-23-23
DRAWN BY	MAW	(H) 1"= 20'	SHEET 19 OF 26
CHECKED BY		(V) 1"= N/A	JOB NO. 1302.22

V:\1302.22\DRAWINGS\CONSTRUCTION\SHEET-19-POND-01.dwg, 10/27/2023 4:56:22 PM, tt



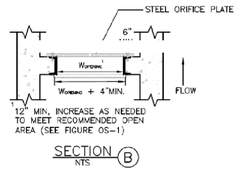
CONCRETE MICROPOOL
SCALE 1" = 2'



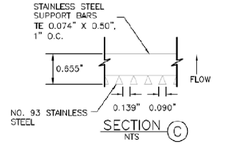
3'X6' OUTLET BOX OVERFLOW TRASH RACK
SCALE 1" = 2'

NOTES:

1. WELD PLATES EMBEDS MAY BE SUBSTITUTED.
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.

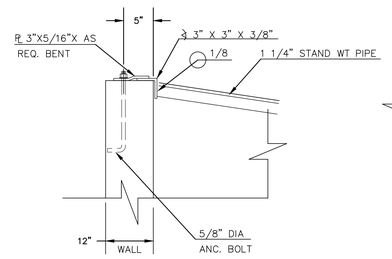


SECTION B
NTS

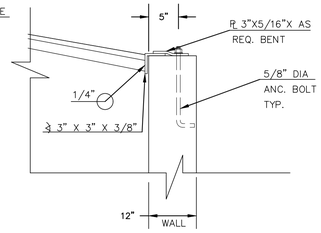


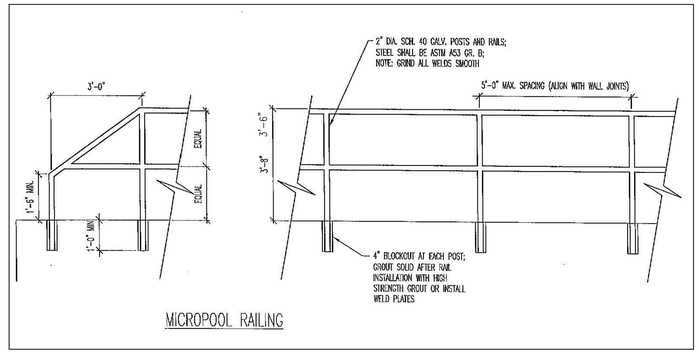
SECTION C
NTS

R VALUE = (NET OPEN AREA)/(GROSS RACK AREA) = 0.60

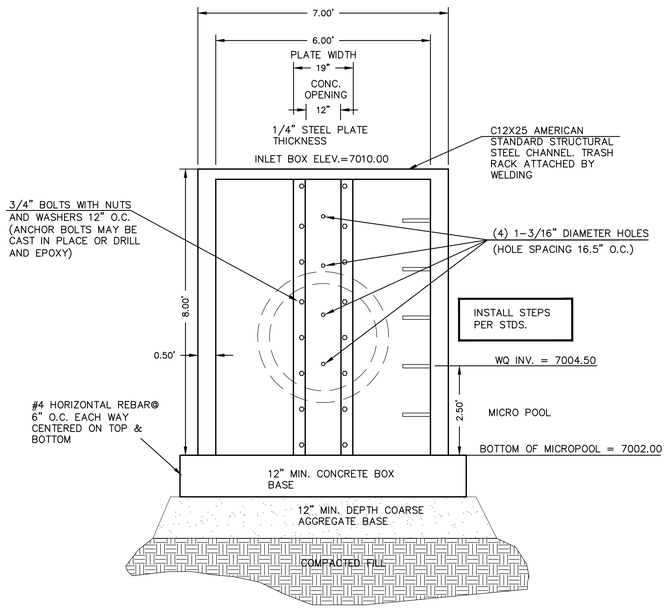


DETAIL "A"





OUTLET BOX RAILING
N.T.S.



3'X6' OUTLET BOX ORIFICE PLATE
SCALE 1" = 2'

(ALL MATERIALS PER CDOT SPECIFICATIONS)

ORIFICE PLATE NOTES:

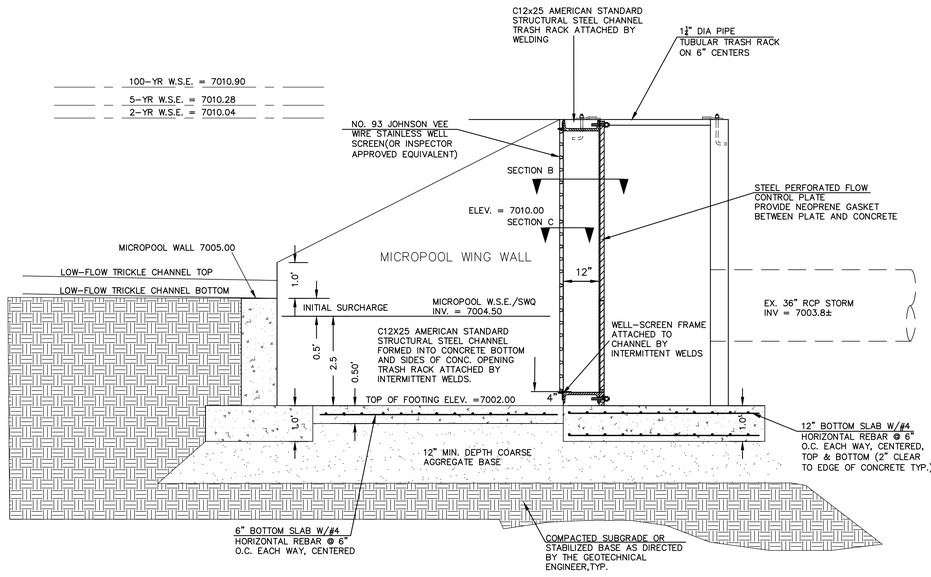
1. INSTALL HOLES AS SHOWN ON DETAIL TO LEFT.
2. PROVIDE GASKET MATERIAL BETWEEN THE ORIFICE PLATE AND CONCRETE
3. ALL STAINLESS STEEL USED TO BE GALVANIZED.

EURV AND WQCV TRASH RACKS:

4. WELL-SCREEN TRASH RACKS SHALL BE STAINLESS STEEL AND SHALL BE ATTACHED BY INTERMITTENT WELDS ALONG THE EDGE OF THE MOUNTING FRAME.
5. BAR GRATE TRASH RACKS SHALL BE ALUMINUM AND SHALL BE BOLTED USING STAINLESS STEEL HARDWARE.
6. 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. 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.



3'X6' OUTLET BOX MICRO POOL SECTION A
SCALE 1" = 2'

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 CDOT/COUNTY/TOWN OF MONUMENT COMMENTS	7/10/23
2	REVSIED PER JACOBS COMMENTS	10/25/23

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

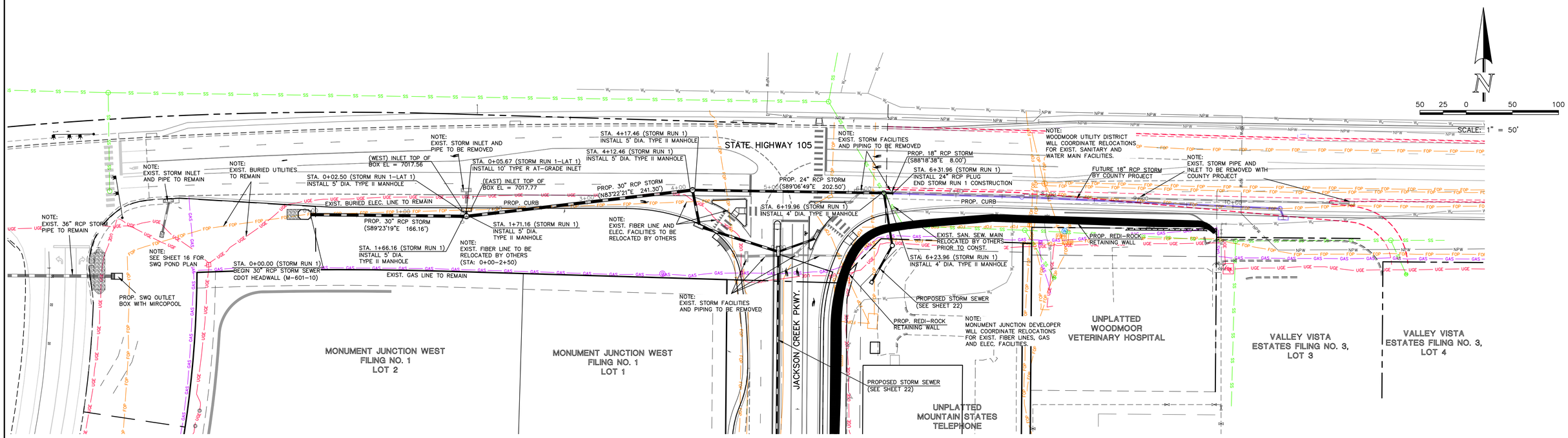
CLASSIC CONSULTING ENGINEERS & SURVEYORS SM
619 N. Cascade Avenue, Suite 200 (719)785-0790
Colorado Springs, Colorado 80903 (719)785-0799(Fax)

STATE HIGHWAY 105 / JACKSON CREEK PKWY. – PHASE 2 CONSTRUCTION PLANS
STORMWATER QUALITY FACILITY
OUTLET BOX DETAILS

CLASSIC CONSULTING ENGINEERS & SURVEYORS

DESIGNED BY	MAW	SCALE		DATE	02-23-23
DRAWN BY	PRA	(H) 1"= N/A		SHEET	20 OF 26
CHECKED BY		(V) 1"= N/A		JOB NO.	1302.22

\\1302222\DRAWINGS\CONSTRUCTION\SHEET-20-POND-02.dwg, 10/27/2023 4:59:03 PM, 1:1



48 HOURS BEFORE YOU DIG, CALL UTILITY LOCATORS

811

UTILITY NOTIFICATION CENTER OF COLORADO
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NO.	REVISION	DATE
1	REVISED PER CDOT/COUNTY/TOWN OF MONUMENT COMMENTS	7/10/23
2	REVISED PER COUNTY & JACOBS COMMENTS	10/26/23
3	REVISED STORM PER MEETING WITH COUNTY	1/24/24

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

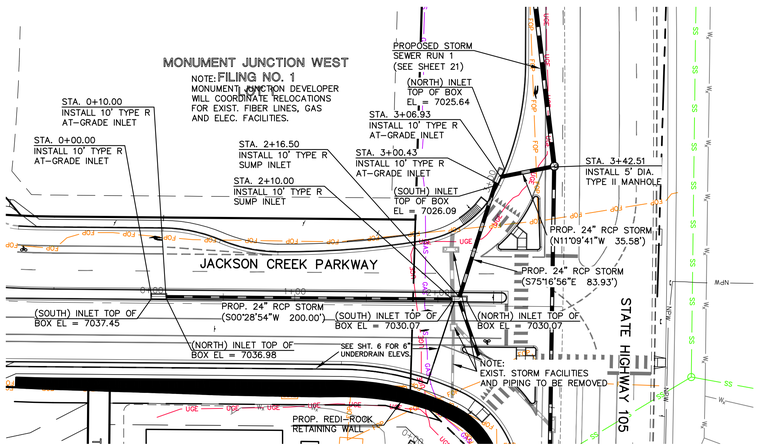
CLASSIC CONSULTING ENGINEERS & SURVEYORS
619 N. Cascade Avenue, Suite 200 (719)785–0790
Colorado Springs, Colorado 80903 (719)785–0799(Fax)

STATE HIGHWAY 105 / JACKSON CREEK PKWY. – PHASE 2 CONSTRUCTION PLANS

STORM SEWER PLAN & PROFILE

DESIGNED BY	PRA	SCALE		DATE	02–23–23
DRAWN BY	PRA	(H) 1"=	50'	SHEET	21 OF 26
CHECKED BY		(V) 1"=	5'	JOB NO.	1302.22

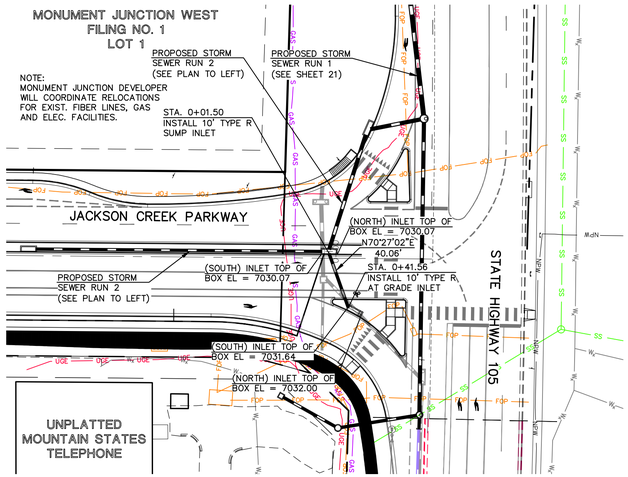
N:\13022\CRAWINGS\CONSTRUCTION\SHEET-21-STORM-01.dwg, 1/25/2024 11:36:44 PM, 1:1



STATE HIGHWAY 105
STORM SEWER RUN-2

50 25 0 50 100

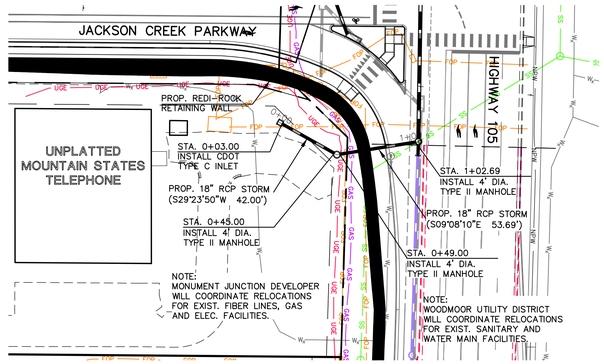
SCALE: 1" = 50'



STATE HIGHWAY 105
STORM SEWER RUN-2
LATERAL 1

50 25 0 50 100

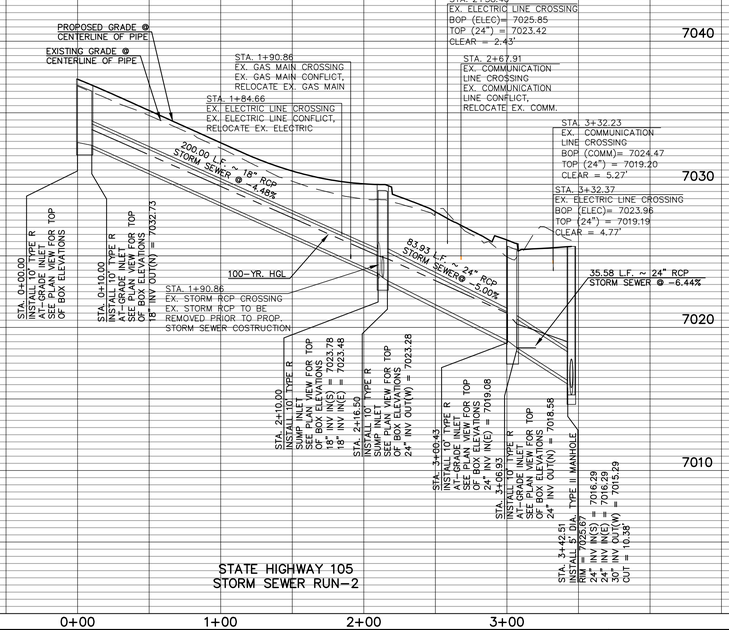
SCALE: 1" = 50'



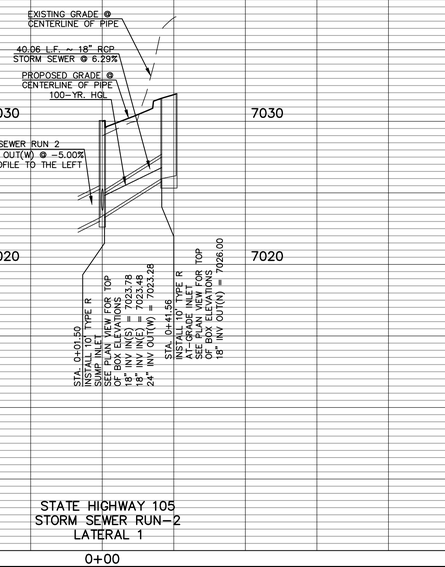
STATE HIGHWAY 105
STORM SEWER RUN-3

50 25 0 50 100

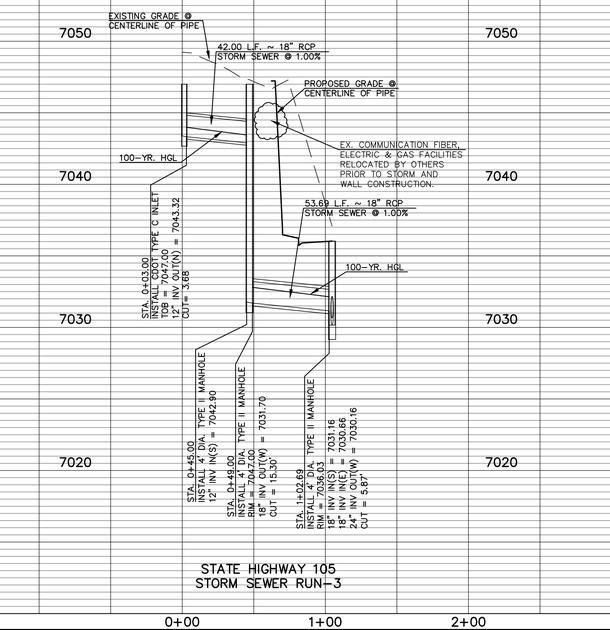
SCALE: 1" = 50'



STATE HIGHWAY 105
STORM SEWER RUN-2



STATE HIGHWAY 105
STORM SEWER RUN-2
LATERAL 1



STATE HIGHWAY 105
STORM SEWER RUN-3

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NO.	REVISION	DATE
1	REVISED PER CDOT/COUNTY/TOWN OF MONUMENT COMMENTS	7/10/23
2	REVISED PER JACOBS AND EPC COMMENTS	10/26/23
3	REVISED STORM PER MEETING WITH COUNTY	1/25/24

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

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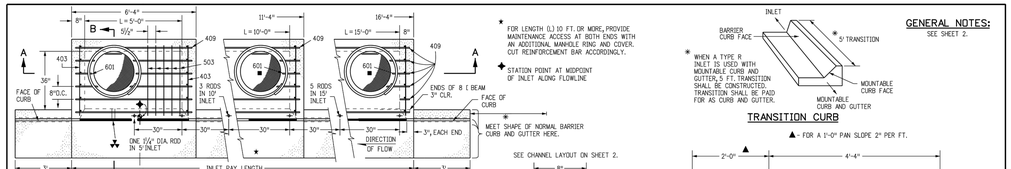
Colorado Springs, Colorado 80903 (719)785-0799(Fax)

STATE HIGHWAY 105 /JACKSON CREEK PKWY. – PHASE 2 CONSTRUCTION PLANS

STORM SEWER PLAN & PROFILE

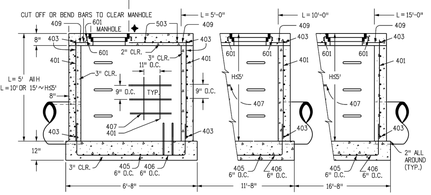
DESIGNED BY	PRA	SCALE		DATE	02-23-23
DRAWN BY	PRA	(H) 1"=	50'	SHEET	22 OF 26
CHECKED BY		(V) 1"=	5'	JOB NO.	1302.22

V:\1302\2\DRAWINGS\CONSTRUCTION\SHEET-22-STORM-02.dwg, 1/25/2024 1:55:50 PM, 1:1

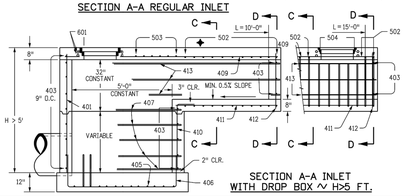


TRANSITION CURB

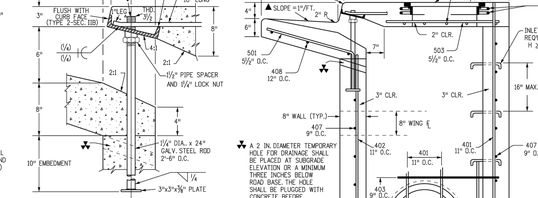
▲ - FOR A 1'-0" PAN SLOPE 2" PER FT.



SECTION A-A REGULAR INLET



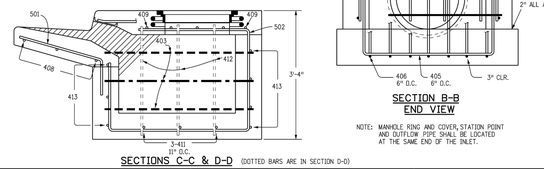
SECTION A-A INLET WITH DROP BOX ∼ H>5 FT.



CURB FACE ASSEMBLY

✦PLACE ENTIRE ASSEMBLY BEFORE POURING CONCRETE.

SECTION B-B END VIEW



SECTIONS C-C & D-D (DOTTED BARS ARE IN SECTION D-D)

NOTE: MANHOLE RING AND COVER, STATION POINT AND OUTFLOW PIPE SHALL BE LOCATED AT THE SAME END OF THE INLET.

GENERAL NOTES: SEE SHEET 2.

Computer File Information		Sheet Revisions		
Creation Date: 07/31/19		Date:	Comments	
Designer Initials: JBK	MOX			
Last Modification Date: 07/31/19	MOX			
Detailer Initials: LTA	MOX			
CAD Ver.: MicroStation V8 Scale: Not to Scale Units: English	MOX			

Colorado Department of Transportation
2829 West Howard Place
CDOT HQ, 3rd Floor
Denver, CO 80204
Phone: 303-757-9021 FAX: 303-757-9868
Project Development Branch JBK

CURB INLET TYPE R

STANDARD PLAN NO. M-604-12
Standard Sheet No. 1 of 2
Issued by the Project Development Branch: July 31, 2019
Project Sheet Number:

MARK	BAR # OR SIZE	O.C. SPACING	TYPE	ALL INLETS L = 5 FT. NO. REQ'D.	ALL INLETS L = 5 FT. LENGTH	INLETS: H ≤ 5 FT. L = 10 FT. NO. REQ'D.	INLETS: H ≤ 5 FT. L = 10 FT. LENGTH	INLETS: H ≤ 5 FT. L = 15 FT. NO. REQ'D.	INLETS: H ≤ 5 FT. L = 15 FT. LENGTH	INLETS: H > 5 FT. L = 10 FT. NO. REQ'D.	INLETS: H > 5 FT. L = 10 FT. LENGTH	INLETS: H > 5 FT. L = 15 FT. NO. REQ'D.	INLETS: H > 5 FT. L = 15 FT. LENGTH
401	4	11"	II	15	*	21	*	26	*	11	*	11	*
402	4	11"	II	7	*	13	*	18	*	7	*	7	*
403	4	9"	II	*	4'-0"	*	4'-0"	*	4'-0"	*	4'-0"	*	4'-0"
405	4	6"	VI	11	6'-10"	21	6'-10"	31	6'-10"	11	6'-10"	11	6'-10"
406	4	6"	VIII	7	8'-10"	7	13'-10"	7	18'-10"	7	8'-10"	7	8'-10"
407	4	9"	II	*	5'-10"	*	10'-10"	*	15'-10"	*	5'-10"	*	5'-10"
408	4	12"	II	3	6'-10"	3	11'-10"	3	16'-0"	3	11'-10"	3	16'-0"
409	4	8"	II	6	5'-10"	6	10'-10"	6	15'-10"	6	10'-10"	6	15'-10"
410	4	11"	VII							3	*	3	*
411	4	11"	II							3	5'-2"	3	10'-2"
412	4	11"	II							3	2'-9"	3	2'-9"
413	4	9"	II							7	10'-10"	7	15'-10"
501	5	5½"	IV	11	3'-4"	22	3'-4"	33	3'-4"	22	3'-4"	33	3'-4"
502	5	5½"	III							11	11'-5"	17	11'-5"
503	5	5½"	II	5	3'-6"	16	3'-6"	27	3'-6"	6	3'-6"	6	3'-6"
504	5	5½"	IX									5	8'-4"
601	6	3½"	V	2	8'-10"	2	8'-10"	2	8'-10"	2	8'-10"	4	8'-10"
■ #8	5			1 (2 BARS, 3 RODS)	5'-10"	1 (4 BARS, 3 RODS)	10'-10"	1 (8 BARS, 5 RODS)	15'-10"	1 (4 BARS, 3 RODS)	10'-10"	1 (8 BARS, 5 RODS)	15'-10"

* VARIABLE REFER TO TABLE TWO.
■ INCLUDE #4, 18 IN. BARS (SEE CHANNEL LAYOUT).

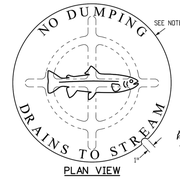
REGULAR INLETS | DROP BOX INLETS

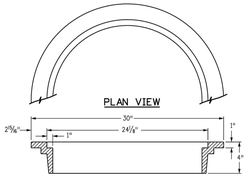
TABLE ONE ∼ BAR LIST FOR CURB INLETS, TYPE "R"

"H"	LENGTH 401	LENGTH 402	LENGTH 410	NO. REQ'D. REGULAR 403	NO. REQ'D. REGULAR 407	NO. REQ'D. DROP BOX 403	NO. REQ'D. DROP BOX 407	L = 5 FT. CONC. CU. YDS.	L = 5 FT. STEEL LBS.	L = 10 FT. CONC. CU. YDS.	L = 10 FT. STEEL LBS.	L = 15 FT. CONC. CU. YDS.	L = 15 FT. STEEL LBS.
3'-0"	2'-8"	1'-8"		10	7			3.2	285	5.3	497	7.4	706
3'-6"	3'-2"	2'-2"		10	7			3.4	305	5.7	528	7.9	747
4'-0"	3'-8"	2'-8"		12	9			3.7	326	6.0	559	8.4	786
4'-6"	4'-2"	3'-2"		12	9			3.9	334	6.4	571	8.8	803
5'-0"	4'-8"	3'-8"		14	11			4.1	354	6.7	602	9.3	844
5'-6"	5'-2"	4'-2"	3'-5"	16	13	15	6	4.4	375	6.9	607	7.4	850
6'-0"	5'-8"	4'-8"	3'-11"	16	13	16	6	4.6	382	6.2	616	7.6	860
6'-6"	6'-2"	5'-2"	4'-5"	18	15	18	8	4.8	402	6.4	637	7.8	880
7'-0"	6'-8"	5'-8"	4'-11"	20	17	19	10	5.0	423	6.6	654	8.0	897
7'-6"	7'-2"	6'-2"	5'-5"	20	17	20	10	5.3	430	6.9	664	8.3	907
8'-0"	7'-8"	6'-8"	5'-11"	22	19	22	12	5.5	451	7.1	684	8.5	927
8'-6"	8'-2"	7'-2"	6'-5"	24	21	23	14	5.7	471	7.3	702	8.7	944
9'-0"	8'-8"	7'-8"	6'-11"	24	21	24	14	6.0	479	7.6	711	9.0	954
9'-6"	9'-2"	8'-2"	7'-5"	26	23	26	16	6.2	499	7.8	732	9.2	974
10'-0"	9'-8"	8'-8"	7'-11"	28	25	27	18	6.4	520	8.0	749	9.4	992
10'-6"	10'-2"	9'-2"	8'-5"	28	25	28	18	6.7	527	8.3	759	9.7	1005
11'-0"	10'-8"	9'-8"	8'-11"	30	27	30	20	6.9	547	8.5	779	9.9	1022

NOTES: FOR L = 5 FT., L = 10 FT., AND L = 15 FT.
REGULAR INLETS: TOTAL QUANTITIES NEEDED ARE OUTSIDE THE HEAVY BLACK LINE.
DROP BOX INLETS: TOTAL QUANTITIES NEEDED ARE INSIDE THE HEAVY BLACK LINE.
STEEL WEIGHTS DO NOT INCLUDE STRUCTURAL STEEL CHANNEL.

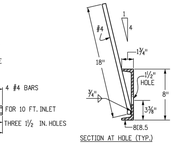
TABLE TWO ∼ BARS AND QUANTITIES VARIABLE WITH "H"



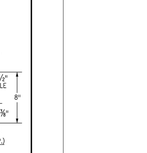


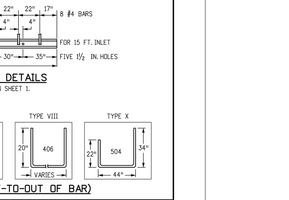
GENERAL NOTES

1. CONCRETE SHALL BE CLASS B; INLET MAY BE CAST-IN-PLACE OR PRECAST.
2. CONCRETE WALLS SHALL BE FORMED ON BOTH SIDES AND SHALL BE 8 INCHES THICK.
3. INLET STEPS SHALL BE IN CONFORMANCE WITH AASHTO M 199.
4. CURB FACE ASSEMBLY SHALL BE GALVANIZED AFTER WELDING.
5. EXPOSED CONCRETE CORNERS SHALL BE CHAMFERED ¾ OF A INCH. CURB AND GUTTER CORNERS SHALL BE FINISHED TO MATCH THE EXISTING CURB AND GUTTER BEYOND THE TRANSITION GUTTER.
6. REINFORCING BARS SHALL BE DEFORMED AND SHALL HAVE A 2 INCH MINIMUM CLEARANCE. ALL REINFORCING BARS SHALL BE GRADE 60 AND EPOXY COATED.
7. DIMENSIONS AND WEIGHTS OF TYPICAL MANHOLE RING AND COVER ARE NOMINAL.
8. MATERIAL FOR MANHOLE RINGS AND COVERS SHALL BE GRAY OR DUCTILE CAST IRON IN ACCORDANCE WITH SUBSECTION 712.06.
9. SINCE PIPE ENTRIES INTO THE INLET ARE VARIABLE, THE DIMENSIONS SHOWN ARE TYPICAL. ACTUAL DIMENSIONS AND QUANTITIES FOR CONCRETE AND REINFORCEMENT SHALL BE AS REQUIRED IN THE WORK. QUANTITIES INCLUDE VOLUMES OCCUPIED BY PIPES.
10. STRUCTURAL STEEL SHALL BE GALVANIZED AND SHALL BE IN ACCORDANCE WITH SUBSECTION 712.06.
11. ALL MANHOLE COVERS SHALL BE CAST WITH A "NO DUMPING DRAINS TO STREAM" MESSAGE AND A FISH SYMBOL. THE SURFACE OF THE MANHOLE COVER SHALL HAVE A NON-SLIP PATTERN.



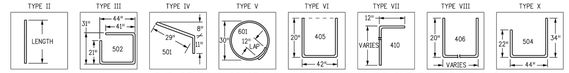
CHANNEL LAYOUT DETAILS
SEE CURB FACE ASSEMBLY ON SHEET 1.





CHANNEL LAYOUT DETAILS
SEE CURB FACE ASSEMBLY ON SHEET 1.

BAR BENDING DIAGRAMS ∼ (DIMENSIONS ARE OUT-TO-OUT OF BAR)



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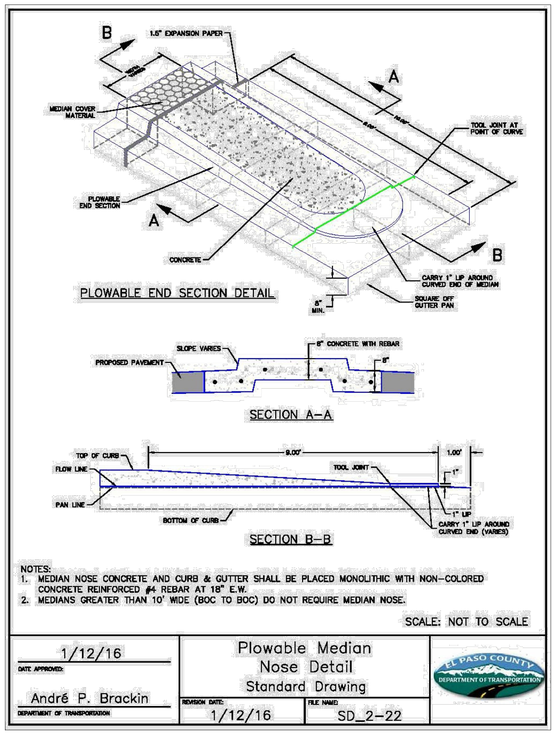
Creation Date: 07/31/19		Date:	Comments	
Designer Initials: JBK	MOX			
Last Modification Date: 07/31/19	MOX			
Detailer Initials: LTA	MOX			
CAD Ver.: MicroStation V8 Scale: Not to Scale Units: English	MOX			

Colorado Department of Transportation
2829 West Howard Place
CDOT HQ, 3rd Floor
Denver, CO 80204
Phone: 303-757-9021 FAX: 303-757-9868
Project Development Branch JBK

CURB INLET TYPE R

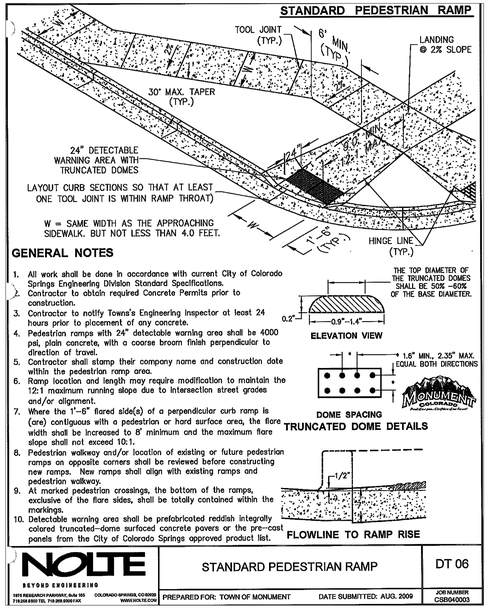
STANDARD PLAN NO. M-604-12
Standard Sheet No. 2 of 2
Issued by the Project Development Branch: July 31, 2019
Project Sheet Number:



NOTES:
1. MEDIAN NOSE CONCRETE AND CURB & GUTTER SHALL BE PLACED MONOLITHIC WITH NON-COLORED CONCRETE REINFORCED #4 REBAR AT 18" E.W.
2. MEDIANS GREATER THAN 10' WIDE (BOC TO BOC) DO NOT REQUIRE MEDIAN NOSE.

SCALE: NOT TO SCALE

1/12/16	Plowable Median Nose Detail Standard Drawing	EL PASO COUNTY DEPARTMENT OF TRANSPORTATION
DATE APPROVED:	REVISION DATE: 1/12/16	FILE NAME: SD_2-22
André P. Brackin		
DEPARTMENT OF TRANSPORTATION		



GENERAL NOTES

1. All work shall be done in accordance with current City of Colorado Springs Engineering Division Standard Specifications.
2. Contractor to obtain required Concrete Permits prior to construction.
3. Contractor to notify Towns's Engineering Inspector at least 24 hours prior to placement of any concrete.
4. Pedestrian ramps with 24" detectable warning area shall be 4000 psi, plain concrete, with a coarse broom finish perpendicular to direction of travel.
5. Contractor shall stamp their company name and construction date within the pedestrian ramp area.
6. Ramp location and length may require modification to maintain the 12:1 maximum running slope due to intersection street grades and/or alignment.
7. Where the 1'-8" flared side(s) of a perpendicular curb ramp is (are) contiguous with a pedestrian or hard surface area, the flare width shall be increased to 8' minimum and the maximum flare slope shall not exceed 10:1.
8. Pedestrian walkway and/or location of existing or future pedestrian ramps on opposite corners shall be reviewed before constructing new ramps. New ramps shall align with existing ramps and pedestrian walkway.
9. At marked pedestrian crossings, the bottom of the ramps, exclusive of the flare sides, shall be totally contained within the markings.
10. Detectable warning area shall be prefabricated reddish integrally colored truncated-dome surfaced concrete pavers or the pre-cast panels from the City of Colorado Springs approved product list.

THE TOP DIAMETER OF THE TRUNCATED DOMES SHALL BE 50% -65% OF THE BASE DIAMETER.

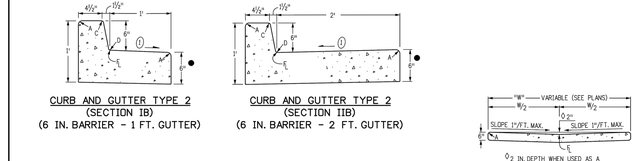
ELEVATION VIEW

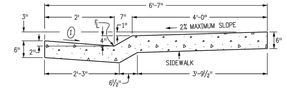
DOME SPACING

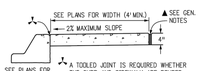
TRUNCATED DOME DETAILS

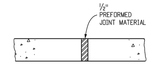
FLOWLINE TO RAMP RISE

NOLTE BEYOND ENGINEERING	STANDARD PEDESTRIAN RAMP	DT 06
1595 RESEARCH PARKWAY, Suite 105 COLORADO SPRINGS, CO 80920 719.268.8300 TEL 719.268.8567 FAX WWW.NOLTE.COM	PREPARED FOR: TOWN OF MONUMENT DATE SUBMITTED: AUG. 2009	JOB NUMBER CSB040003

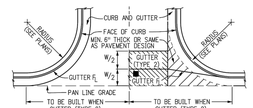








LEGEND FOR RADII
A =½" TO ¼"
B =1"
C =1½"
D =½" TO 2"



GENERAL NOTES

1. ON ROADWAY CURVES WITH A RADIUS OF 1,900 FT. OR LESS, CURBS AND GUTTERS ARE TO BE PLACED ON THE ARC OF THE CURVE, UNLESS OTHERWISE NOTED ON THE PLANS. A MAXIMUM CHORD LENGTH OF 10 FT. MAY BE USED WHEN THE CURVE RADIUS IS GREATER THAN 1,900 FT.
2. CONCRETE SHALL BE CLASS B.
3. PROFILE GRADE OF CURBS AND GUTTERS SHALL BE LOCATED AT THE FLOW LINE.
4. CURB TYPE 4 (KEY-WAY) MAY BE USED IN LIEU OF CURB AND GUTTER TYPE 2 (SECTIONS IB AND IM) UNLESS OTHERWISE SPECIFIED ON THE PLANS.
5. GUTTER CROSS SLOPES MAY BE ADJUSTED TO FACILITATE DRAINAGE FOR PROFILE GRADES AS SHOWN ON THE PLANS.
6. THICKNESS OF CURB AND GUTTER SECTION SHALL MATCH CONCRETE PAVEMENT THICKNESS IF SHOWN ON THE PLANS. CURB AND GUTTER SHALL BE CLASS P CONCRETE IF PLACED MONOLITHICALLY WITH CONCRETE PAVEMENT.
7. INCREASE SIDEWALK THICKNESS TO 6 IN. AT LOCATIONS SHOWN ON THE PLANS.
8. MINIMUM SIDEWALK WIDTH IS 4 FT.

▲ EXPANSION JOINTS SHALL BE INSTALLED WHEN ABUTTING EXISTING CONCRETE OR FIXED STRUCTURE. EXPANSION JOINT MATERIAL SHALL BE ½ IN. THICK AND SHALL EXTEND THE FULL DEPTH OF CONTACT SURFACE.

① GUTTER CROSS SLOPES SHALL BE ½ IN./FT. WHEN DRAINING AWAY FROM CURB AND 1 IN./FT. WHEN DRAINING TOWARD CURB (WITH EXCEPTION TO IMMEDIATELY ADJACENT TO CURB RAMPS - SEE STANDARD PLAN M-608-1 FOR SLOPE REQUIREMENTS).

● WHEN TIE BARS ARE REQUIRED, THE GUTTER THICKNESS SHALL BE INCREASED TO THE PAVEMENT THICKNESS (T). BARS SHALL BE EPOXY-COATED #4 CONFORMING TO AASHTO M 284 AND SPACED AT 3 FT. INTERVALS. THEY SHALL BE INSERTED ½ AND 1½ LENGTH INTO THE GUTTER.

Computer File Information		Sheet Revisions		
Creation Date: 07/31/19		Date:	Comments	
Designer Initials: JBK	MOX			
Last Modification Date: 07/31/19	MOX			
Detailer Initials: LTA	MOX			
CAD Ver.: MicroStation V8 Scale: Not to Scale Units: English	MOX			

Colorado Department of Transportation
2829 West Howard Place
CDOT HQ, 3rd Floor
Denver, CO 80204
Phone: 303-757-9021 FAX: 303-757-9868
Project Development Branch JBK

CURB, GUTTERS, AND SIDEWALKS

STANDARD PLAN NO. M-609-1
Standard Sheet No. 1 of 4
Issued by the Project Development Branch: July 31, 2019
Project Sheet Number:

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

CLASSIC SM CONSULTING ENGINEERS & SURVEYORS
619 N. Cascade Avenue, Suite 200 (719)785-0790
Colorado Springs, Colorado 80903 (719)785-0799(Fax)

STATE HIGHWAY 105 / JACKSON CREEK PKWY. - PHASE 2 CONSTRUCTION PLANS
ROADWAY IMPROVEMENT PLANS
DETAIL SHEET

CLASSIC CONSULTING ENGINEERS & SURVEYORS

DESIGNED BY	PRA	SCALE	DATE 02-23-23
DRAWN BY	PRA	(H) 1"= 50'	SHEET 23 OF 26
CHECKED BY		(V) 1"= 5'	JOB NO. 1302.22

N:\13022\DRAWINGS\CONSTRUCTION\SHEET-23-DETAILS.dwg, 10/30/2023 10:34:42 AM, 1:1

TABULATION OF TRAFFIC SIGNAL ITEMS

CDOT ITEM NO.	ITEM DESCRIPTION	UNITS	TOTAL	NOTES
202-00828	REMOVAL OF TRAFFIC SIGNAL EQUIPMENT	L S	1	REFER TO THE REMOVAL ITEMS AND QUANTITIES BELOW
FOR INFORMATION ONLY	REMOVAL OF TRAFFIC SIGNAL POLE	EACH	4	RETURN TO EL PASO COUNTY
	REMOVAL OF TRAFFIC SIGNAL HEAD	EACH	12	
	REMOVAL OF TRAFFIC SIGNAL CONTROLLER AND CABINET	EACH	1	
	REMOVAL OF LUMINAIRE	EACH	4	
	REMOVAL OF STREET NAME SIGN	EACH	3	
	REMOVAL OF LANE USE/OPERATION SIGN	EACH	2	
	REMOVAL OF SPAN WIRE CABLE	LF	320	
210-00479	RESET RADIO COMMUNICATION ANTENNA	EACH	1	
503-00036	DRILLED SHAFT (36 INCH)	LF	60	CDOT STD. S-614-40A FOOTING
613-00206	2 INCH ELECTRICAL CONDUIT (BORED)	LF	400	SCHEDULE 80
613-00306	3 INCH ELECTRICAL CONDUIT (BORED)	LF	800	SCHEDULE 80
613-01200	2 INCH ELECTRICAL CONDUIT (PLASTIC)	LF	155	SCHEDULE 80
613-01300	3 INCH ELECTRICAL CONDUIT (PLASTIC)	LF	190	SCHEDULE 80
613-07003	TYPE THREE PULL BOX	EACH	4	SIGNAL POLE AND CONTROLLER PULL BOXES
613-07004	TYPE FOUR PULL BOX	EACH	1	HOME RUN PULL BOX
613-10000	WIRING	L S	1	SIGNAL AND LIGHTING
613-13004	LUMINAIRE (LED) (4,000 LUMENS)	EACH	4	
613-50109	METER POWER PEDESTAL	EACH	1	
614-00011	SIGN PANEL (CLASS I)	SF	26	
614-70150	PEDESTRIAN SIGNAL FACE (16) (COUNTDOWN)	EACH	4	LED TYPE, POLYCARBONATE, YELLOW INCOLOR
614-70336	TRAFFIC SIGNAL FACE (12-12-12)	EACH	15	LED TYPE, POLYCARBONATE, YELLOW INCOLOR
614-72855	TRAFFIC SIGNAL CONTROLLER CABINET	EACH	1	
614-72860	PEDESTRIAN PUSH BUTTON	EACH	1	PUSH BUTTON STATION, R10-3e SIGN AND ANY NECESSARY EXTENDER
614-72863	PEDESTRIAN PUSH BUTTON POST ASSEMBLY	EACH	3	CDOT STD. S-614-45, INCLUDES R10-3e SIGNS
614-72866	FIRE PREEMPTION UNIT AND TIMER	EACH	1	INCLUDES 2 PREEMPTION UNITS
614-72886	INTERSECTION DETECTION SYSTEM (CAMERA)	EACH	2	
614-81000	TRAFFIC SIGNAL-LIGHT POLE STEEL	EACH	1	
614-81125	TRAFFIC SIGNAL-LIGHT POLE STEEL (1-25 FOOT MAST ARM)	EACH	1	CDOT STD. S-614-40A
614-81145	TRAFFIC SIGNAL-LIGHT POLE STEEL (1-45 FOOT MAST ARM)	EACH	1	CDOT STD. S-614-40A
614-81155	TRAFFIC SIGNAL-LIGHT POLE STEEL (1-55 FOOT MAST ARM)	EACH	1	CDOT STD. S-614-40A
614-86248	TRAFFIC SIGNAL CONTROLLER (TYPE 2070LC)	EACH	1	

S:\121234-01 - Jackson Creek Parkway\04_CIVIL\CADD\Traffic_ITS\Drawings\105 Signal\T121234-01SIG-TAB01, 10/31/2023 1:19:32 PM, Ben Harms

PRINT DATE: 10/31/2023 1:19 PM
FILE NAME: T121234-01SIG-TAB01.DWG
HORIZ. SCALE: N/A VERT. SCALE: N/A

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Colorado Springs, CO 80903
Phone: 719.314.1800
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R-X	SHEET REVISIONS		
	DATE	COMMENTS	INITIALS

AS CONSTRUCTED
NO. REVISIONS:
REVISED:
VOID:

JACKSON CREEK PARKWAY
TRAFFIC SIGNAL TABULATIONS
STATE HIGHWAY 105

DESIGNER: BJH
DETAILER: BEN.HARMS
SHEET SUBSET: TRAFFIC
STRUCTURE NUMBERS
SHEET SUBSET: TT-01 OF 1

PROJECT NO./CODE
121234-01

REMOVE EXISTING TRAFFIC SIGNAL POLE

REMOVE EXISTING TRAFFIC SIGNAL POLE

TRAFFIC SIGNAL–LIGHT POLE (P3)
55' MAST ARM
CDOT STD. S–614–40A

TRAFFIC SIGNAL–LIGHT POLE (P4)
30' MAST ARM
CDOT STD. S–614–40A

EXISTING CDOT R.O.W.

HWY 105

RESET RADIO COMMUNICATION ANTENNA

TRAFFIC SIGNAL–LIGHT POLE (P2)
CDOT STD. S–614–40A

REMOVE EXISTING TRAFFIC SIGNAL POLE

HWY 105

REMOVE EXISTING TRAFFIC SIGNAL POLE

REMOVE EXISTING TRAFFIC SIGNAL CONTROLLER CABINET

POWER METER

TRAFFIC SIGNAL CONTROLLER CABINET

JACKSON CREEK PKWY

TRAFFIC SIGNAL–LIGHT POLE (P1)
35' MAST ARM
CDOT STD. S–614–40A

EXISTING CDOT R.O.W.

PLANNED IMPROVEMENTS BY CLASSIC CONSULTING (TYP)

EXISTING R.O.W.

EXISTING R.O.W.

N

0' 15' 30'

TRAFFIC SIGNAL SYMBOLS

- TRAFFIC SIGNAL POLE AND MAST ARM
- PEDESTRIAN PUSH BUTTON POLE
- LUMINAIRE
- TRAFFIC SIGNAL HEAD
- TRAFFIC SIGNAL HEAD & BACKPLATE
- PEDESTRIAN SIGNAL HEAD
- SIGNAL CONTROLLER CABINET
- (TYPE 3) (TYPE 4) PULL BOX
- TR TR SIGNAL CONDUITS
- VEHICLE DETECTOR CAMERA
- PED PUSH BUTTON & SIGN
- FIRE PREEMPTION UNIT
- RADIO COMMUNICATION ANTENNA

PROPOSED SIGNAL HEADS

RETROREFLECTIVE BORDER (TYP.)

① ② ⑩ ⑪ ⑭ ⑮ | ⑧ ⑨ | ⑦ | ③ ⑫ ⑬ ⑯ | ④ ⑤ ⑥ ⑰

PROPOSED SIGNS

18R9–3a
Ⓓ

36R3–8 (LL)
Ⓑ Ⓔ

R10–3e
(9"x15")
2 – RIGHT ARROW
2 – LEFT ARROW

Hwy 105
D3–1
12"X36"
Ⓕ

Jackson Creek Pkwy
D3–1
12"X72"
Ⓐ Ⓒ

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

S:\121234-01 – Jackson Creek Parkway\04_CIVIL\CADD\Traffic_ITS\Drawings\105 Signal\T121234-01SIG-PLN01, 10/31/2023 1:00:07 PM, Ben Harms

PRINT DATE:	10/31/2023 1:00 PM
FILE NAME:	T121234-01SIG-PLN01.DWG
HORIZ. SCALE:	1" = 15' VERT. SCALE: N/A

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(R–X)	DATE	COMMENTS	INITIALS

Est. 1879 MONUMENT COLORADO

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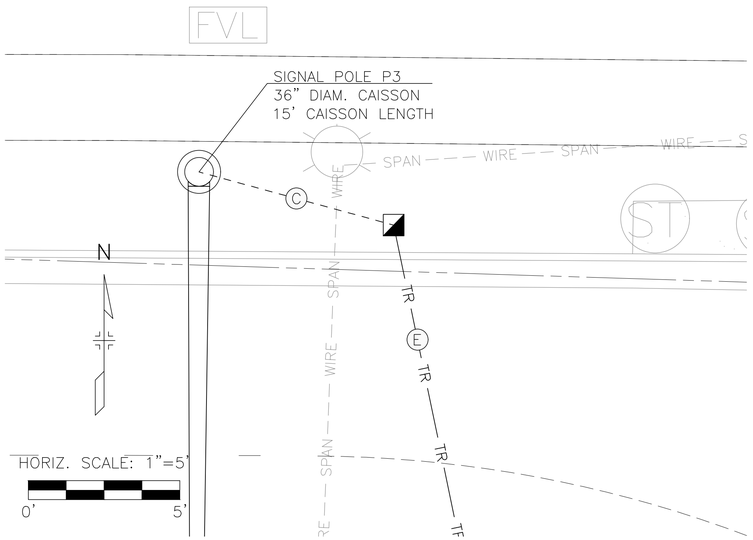
NO. REVISIONS:
REVISED:
VOID:

JACKSON CREEK PARKWAY
TRAFFIC SIGNAL PLAN
STATE HIGHWAY 105

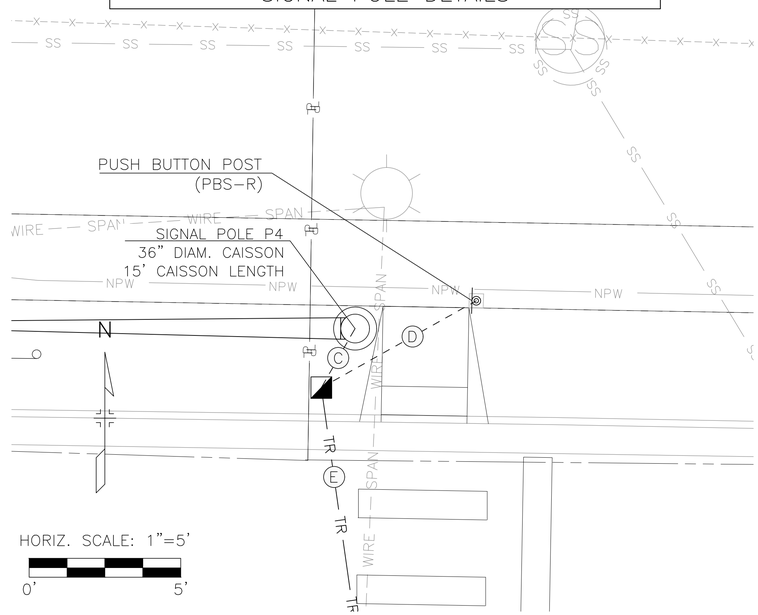
DESIGNER: BJH
DETAILER: BEN.HARMS
SHEET SUBSET: TRAFFIC
STRUCTURE NUMBERS
SHEET SUBSET: TS–01 OF 2

PROJECT NO./CODE
121234–01

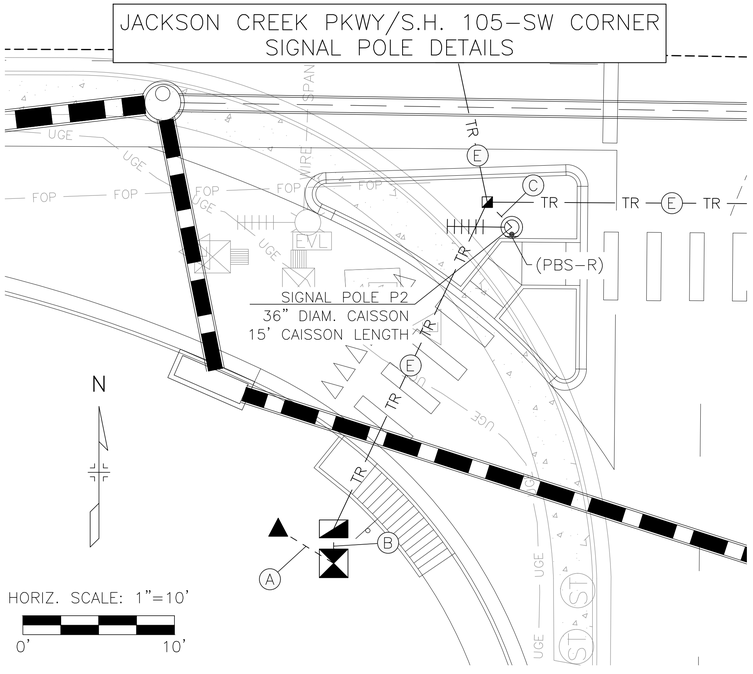
JACKSON CREEK PKWY/S.H. 105–NW CORNER SIGNAL POLE DETAILS



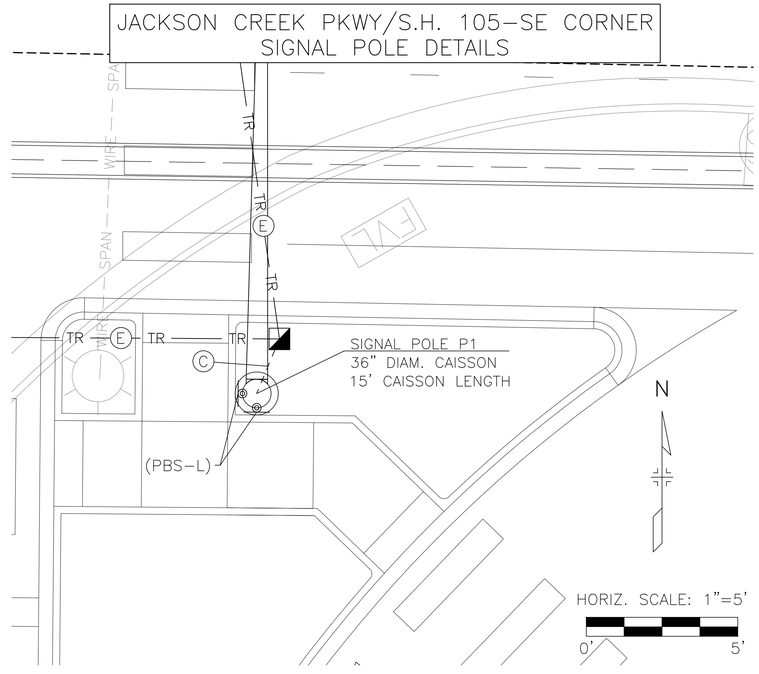
JACKSON CREEK PKWY/S.H. 105–NE CORNER SIGNAL POLE DETAILS



JACKSON CREEK PKWY/S.H. 105–SW CORNER SIGNAL POLE DETAILS



JACKSON CREEK PKWY/S.H. 105–SE CORNER SIGNAL POLE DETAILS



LEGEND

(PBS–R/L = PED PUSH BUTTION STATION WITH R10–3e RIGHT OR LEFT SIGN

- PULL BOX (TYPE 4) (24"X36"X24")
- PULL BOX (TYPE 3) (17"X30"X12")
- TR — TRAFFIC SIGNAL CONDUIT STREET CROSSINGS
- – – – – – – – TRAFFIC SIGNAL CONDUIT PULL BOX CONNECTIONS

SIGNAL CONDUITS

(A)	POWER METER:	1–2"	(TRENCHED)
(B)	CONTROLLER	1–2" AND 4–3"	(TRENCHED)
(C)	SIGNAL POLES	1–2" AND 2–3"	(TRENCHED)
(D)	PUSH BUTTON POST	2–2"	(TRENCHED)
(E)	STREET CROSSINGS	1–2" AND 2–3"	(BORED)

NOTE:
PULL BOX AND CONDUIT LOCATIONS ARE APPROXIMATE ONLY. TO THE EXTENT POSSIBLE, THE CONTRACTOR SHALL INSTALL PULL BOXES OUTSIDE OF SIDEWALK AREAS; HOWEVER, IF PULL BOXES NEED TO BE PLACED WITHIN SIDEWALKS, THEY SHALL BE INSTALLED FLUSH WITH THE FINISHED SURFACE AND THE LIDS SHALL HAVE AN ANTI–SKID SURFACE TREATMENT. PULL BOXES SHALL NOT BE INSTALLED IN ANY CURB RAMPS.

SCHEDULE OF TRAFFIC SIGNAL POLES

TRAFFIC SIGNAL POLE			STAKING LOCATION AND CAISSON DETAILS			
POLE ID	MAST ARM	LUMMINAIRE ARM	NORTHING	EASTING	DIAMETER	DEPTH
P1	35 FT	15 FT ARM	1459419.60	3183115.91	36 IN	15 FT
P2	–	15 FT ARM	1459420.43	3183024.20	36 IN	15 FT
P3	55 FT	15 FT ARM	1459515.01	3182989.04	36 IN	15 FT
P4	30 FT	15 FT ARM	1459514.13	3183107.67	36 IN	15 FT

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PRINT DATE: 10/31/2023 1:08 PM
FILE NAME: T121234–01SIG–PLN02.DWG
HORIZ. SCALE: VARIES VERT. SCALE: N/A

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SHEET REVISIONS

(R–X)	DATE	COMMENTS	INITIALS

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VOID:

JACKSON CREEK PARKWAY
TRAFFIC SIGNAL POLE DETAILS
STATE HIGHWAY 105

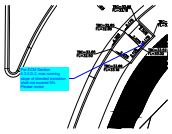
DESIGNER: BJH
DETAILER: BEN.HARMS
SHEET SUBSET: TRAFFIC
STRUCTURE NUMBERS
SHEET SUBSET: TS–02 OF 2

PROJECT NO./CODE
121234–01

S:\121234–01 – Jackson Creek Parkway\04_CIVIL\CADD\Traffic_ITS\Drawings\105 Signal\T121234–01SIG–PLN02. 10/31/2023 1:08:35 PM, Ben Harms

V3_Construction Drawings.pdf Markup Summary

Callout (1)



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Page Label: [1] Layout1
Author: CDurham
Date: 2/6/2024 12:19:22 PM
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Per ECM Section 6.3.3.D.2, max running slope of blended transition shall not exceed 5%. Please revise