

CITY OF MONTROSE
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
HILLCREST DRIVE - SIDEWALK REPLACEMENT PROJECT

PROJECT NUMBER: 19.1.2
BID NUMBER: 26-009

LEGEND

- TAPER MILL AND OVERLAY
--- MILL AND OVERLAY
--- PRE LEVEL AND OVERLAY
--- PARCEL LINES PER GIS (NOT SURVEYED)
--- SD --- STORM DRAIN
--- W --- POTABLE WATERLINE
--- SS --- SANITARY SEWER
--- GAS --- NATURAL GAS LINE
--- OHE --- OVERHEAD ELECTRIC
--- BGE --- BELOW GROUND ELECTRIC
--- COMM --- COMMUNICATIONS LINE/DUCT BANK
--- FO --- FIBER OPTIC
--- IRR --- IRRIGATION OR SPRINKLER LINE
--- X --- FENCE
--- MATCHLINE
--- DITCH/DRAINAGE PATH
X 40.4' SPOT ELEVATION 5840.4'
SD STORM DRAIN MANHOLE
SS SANITARY SEWER MANHOLE
W SERVICE LINE WATER METER/VALVE
E ELECTRICAL BOX/TRANSFORMER
C COMM PED BOX
F FIBER OPTIC HAND HOLE OR RISER
G GAS TESTER STATION/RISER
M MAIL BOX
F FIRE HYDRANT
Y YARD HYDRANT
W WATERLINE MAIN GATE VALVE
F FORCE SEWER MAIN VALVE
M MONITORING WELL
P POWER POLE
S STREET LIGHT
S POWER POLE WITH STREET LIGHT
G GUY WIRE
G GROUND SIGN
P PROJECT CONTROL POINT
T TREE/SHRUB
2/20 PROJECT-SPECIFIC DETAIL NUMBER
DETAIL SHEET
6/04 CITY STANDARD DETAIL CHAPTER*
DETAIL NUMBER
1/15 CROSS SECTION NUMBER
CROSS SECTION SHEET
S LINE BREAK
XX LF PATCH QUANTITIES
XX SY - SAW CUT LENGTH
XX SY - PATCH AREA

ACRONYMS AND ABBREVIATIONS

- 1" FEET, INCHES
AASHTO AMERICAN ASSOCIATION OF STATE HIGHWAY
AND TRANSPORTATION OFFICIALS
ABC AGGREGATE BASE COURSE
AC ASBESTOS CEMENT
ADS ADVANCED DRAINAGE SYSTEMS
ALBC ALUMINUM BOX CULVERT
APPROX APPROXIMATE
ASTM AMERICAN SOCIETY FOR TESTING AND MATERIALS
AWWA AMERICAN WATER WORKS ASSOCIATION
CDOT COLORADO DEPARTMENT OF TRANSPORTATION
CI CURB INLET
CL CLASS
CTC CENTER TO CENTER
CS CITY STANDARD
DIA DIAMETER
DR DIMENSION RATIO
DW DRIVEWAY
E EASTING
EA EACH
ELEV ELEVATION
ETE EDGE TO EDGE
EW EACH WAY
EXCL EXCLUDING
EXIST EXISTING
FL FLOW LINE
FT FOOT
GB GRADE BREAK
HDPE HIGH-DENSITY POLYETHYLENE
HMA HOT MIX ASPHALT
HORZ HORIZONTAL
HP HIGH POINT
ID INSIDE DIAMETER
IN. INCHES
LT LEFT
LP FL LOW POINT FLOW LINE
MANUF MANUFACTURER'S
ME MATCH EXISTING
MH MANHOLE
MIN MINIMUM
MUTCD MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
N NORTHING
NAD NORTH AMERICAN DATUM
NGVD NATIONAL GEODETIC VERTICAL DATUM
NSF NATIONAL SANITATION FOUNDATION
OC ON CENTER
OMC OPTIMUM MOISTURE CONTENT
PC POINT OF CURVATURE
PCC POINT OF COMPOUND CURVATURE
PCF POUNDS PER CUBIC FOOT
PG PERFORMANCE GRADE
PGL PROFILE GRADE LINE
PSF POUNDS PER SQUARE FOOT
PSI POUNDS PER SQUARE INCH
PT POINT OF TANGENT
PVC POLYVINYL CHLORIDE
QTY QUANTITY
RCP REINFORCED CONCRETE PIPE
RT RIGHT
S SLOPE
SD STORM DRAIN
SHT SHEET
TBD TO BE DETERMINED
THK THICK
TYP TYPICAL
UNCC UTILITY NOTIFICATION CENTER OF CO
UNO UNLESS NOTED OTHERWISE
UVWU UNCOMPANHRE VALLEY WATER USERS
VC VITRIFIED CLAY
VERT VERTICAL
EXISTING UTILITIES AND OBJECTS ARE DRAWN FROM
FIELD COLLECTED GPS DATA, IN SELECT AREAS THE
AERIAL MAY BE SHIFTED CAUSING A VISUAL
DISCREPANCY IN LOCATION.

EXISTING UTILITIES AND STRUCTURES ARE
PRESENTED IN GRAYSCALE
*(GU) GENERAL, (W) WATER,
(SS) SANITARY SEWER, (ST) STREETS,
(C) CONCRETE, (SW) DRAINAGE

SHEET INDEX

- 1 COVER
2 GENERAL NOTES
3 REMOVALS
4 CONSTRUCTION
5 DETAILS



PROJECT EXTENTS

UTILITY CONTACTS				
Utility	Owner	Contact	Phone	Email
Natural Gas	Black Hills Energy	Nathan Hajar	(970) 808-5036	nathan.hajar@blackhillscorp.com
Telephone/Fiber	Century Link	Mark Preston	(970) 318-1891	Mark.Preston@umen.com
Cable/Fiber	Charter	Todd Andrews	(970) 316-1700	Todd.Andrews1@spectrum.com
Power	DMEA	Phil Sanchez	(970) 275-8982	Phil.Sanchez@dmea.com
Fiber	Elevate	Taylor Katzer	(303) 995-7264	taylor.katzer@elevatefiber.com
Fiber	Clearenetwork	Ben Endreson	(970) 417-9374	ben.endreson@deeplydigital.com
Water	City of Montrose	Scott Murphy	(970) 901-1792	smurphy@cityofmontrose.org
Water	Tri-County Water	Dylan Ross	(970) 209-3082	Dylan@tricitywater.org
Water	Chipeta Water District	Matt Collier	(970) 275-8206	Chipetawater@yahoo.com
Water	Menoken Water District	John McMillan	(970) 249-3242	menokenmanagement@gmail.com
Water	Project 7	Adam Turner	(970) 249-5935	aturner247@gmail.com
Sanitary Sewer	City of Montrose	Scott Murphy	(970) 901-1792	smurphy@cityofmontrose.org
Storm Sewer	City of Montrose	Scott Murphy	(970) 901-1792	smurphy@cityofmontrose.org



FOR BIDDING
PURPOSES ONLY
NOT APPROVED FOR
CONSTRUCTION

REFERENCE DRAWINGS		REVISIONS		CITY OF MONTROSE		DATE: 06/08/2026		HILLCREST DRIVE		Sheet: 1
CITY OF MONTROSE PROJECT MAP	2018	ISSUED FOR BID	RDC SAM	CITY OF MONTROSE	ENGINEERING DEPARTMENT	JOB NO: 19.1.2	1231 44 00 00	SIDEWALK REPLACEMENT PROJECT	MONTROSE, COLORADO	
		06/08/2026				DRAWN: RDC				of: 5
						DESIGN: RDC				
						CHECKED: SAM				
						SCALE: NTS			COVER	

DESIGN STANDARDS AND SPECIFICATIONS

1. UNLESS NOTED OTHERWISE, THE CITY OF MONTROSE POLICE DEPARTMENT, SPECIFICATIONS FOR THE DESIGN AND CONSTRUCTION OF PUBLIC IMPROVEMENTS (DATED MAY 2012) CONTROL CONSTRUCTION OF THIS PROJECT.

2. IN SOME INSTANCES, REFERENCES ARE MADE TO COLORADO DEPARTMENT OF TRANSPORTATION (CDOT) STANDARDS AND MATERIALS BOTH ON THESE PLANS AND WITHIN THE CITY OF MONTROSE STANDARDS. THIS REFERENCE IS TO THE 2021 EDITION OF THE CDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND 2019 CDOT M&S STANDARD PLANS.

3. THE CONTRACTOR SHALL HAVE IN THEIR POSSESSION AT ALL TIMES HARD COPIES OF THE PROJECT DRAWINGS AND ALL REFERENCE DESIGN STANDARDS AND SPECIFICATIONS.

REQUIRED NOTIFICATIONS AND SUBMITTALS

1. THE CONTRACTOR SHALL NOTIFY THE CITY OF MONTROSE POLICE DEPARTMENT, MONTROSE FIRE PROTECTION DISTRICT, AND CITY OF MONTROSE PUBLIC WORKS DEPARTMENT OF ALL STREET CLOSURES AND EXISTING FIRE HYDRANTS TO BE TAKEN OUT OF SERVICE AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION.

2. THE CONTRACTOR SHALL VERIFY ALL FIELD DIMENSIONS AND ELEVATIONS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IF THERE ARE ANY ERRORS OR OMISSIONS IN THE PROJECT PLANS AND/OR CONFLICTS WITH EXISTING FACILITIES.

3. CONTRACTOR SHALL SUBMIT ANY CHANGE OR DEVIATION FROM THE PROJECT PLANS TO THE ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION.

4. CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS AND/OR MANUFACTURER'S TECHNICAL LITERATURE FOR ALL PROPOSED MATERIALS TO BE INCORPORATED INTO THE PROJECT. THESE SHALL BE APPROVED IN WRITING BY THE PROJECT ENGINEER PRIOR TO ORDERING AND PLACEMENT/CONSTRUCTION.

5. THE CONTRACTOR SHALL RECORD PRECISE LOCATIONS AND ELEVATIONS OF ANY VARIATIONS FROM THE DESIGN ON "AS-BUILT" DRAWINGS SHOWING THE LOCATIONS AND DIMENSIONS OF ANY ELEMENT OF THE PROJECT THAT IS NOT INSTALLED AS DESIGNED, AND SHALL PROVIDE THAT INFORMATION TO THE CITY PRIOR TO RELEASE OF FINAL PAYMENT.

6. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL IDENTIFY DISPOSAL SITES FOR ANY MATERIALS LEAVING THE PROJECT AREA. IF MATERIALS ARE BEING TAKEN TO ANYWHERE BESIDES A REGISTERED LANDFILL OR GREEN WASTE FACILITY, CONTRACTOR SHALL PROVIDE WRITTEN AGREEMENTS FROM RECEIVING PROPERTY OWNER INDICATING THEIR ACCEPTANCE OF THE MATERIAL AND ANY CONDITIONS FOR USE OF THEIR SITE. FOLLOWING PROJECT COMPLETION, THE CITY OF MONTROSE WILL ALSO REQUIRE WRITTEN VERIFICATION FROM THE PROPERTY OWNER THAT THESE CONDITIONS WERE MET BEFORE RETAINAGE IS RELEASED.

SPECIAL INSPECTIONS AND TESTING

1. SPECIAL INSPECTIONS SHALL BE PROVIDED BY THE PROJECT ENGINEER. SPECIAL INSPECTIONS ARE REQUIRED FOR THE FOLLOWING WORK.

A. BOTTOM OF EXCAVATIONS FOR LINE, GRADE, AND CONDITION PRIOR TO PLACEMENT OF BACKFILL

B. PREPARED BASE COURSE AND SUBGRADE FOR LINE, GRADE, AND CONDITION PRIOR TO PLACEMENT OF PAVEMENT OR CONSTRUCTION OF CURB AND GUTTER, SIDEWALKS, OR DRIVEWAYS

C. ALL CONCRETE WORK, FORM WORK, AND REINFORCING STEEL

THESE INSPECTIONS ARE PROVIDED FOR THE CITY'S BENEFIT WITH THE INTENT OF IDENTIFYING ANY PROBLEMS PRIOR TO CONSTRUCTION OF PROJECT COMPONENTS. THE INSPECTIONS DO NOT RELIEVE THE CONTRACTOR OF ANY LIABILITY FOR PROJECT QUALITY OR CONFORMANCE WITH THE PLANS.

2. MATERIALS TESTING SHALL BE CONDUCTED IN ACCORDANCE WITH THE CITY OF MONTROSE STANDARD SPECIFICATIONS BY AN INDEPENDENT, ACCREDITED COMPANY HIRED BY THE CONTRACTOR. MATERIALS TESTERS AND LABORATORIES COLLECTING SAMPLES, ANALYZING MATERIALS, OR PERFORMING TESTS SHALL BE CERTIFIED AS REQUIRED BY APPLICABLE AASHTO AND CDOT TEST PROCEDURES FOR MATERIALS TESTING. THIS TYPICALLY INCLUDES COMBINATIONS OF ACI, WACIT, CAPA, AASHTO, ARL, AND/OR LABCAT CERTIFICATIONS DEPENDING ON THE TEST.

3. ALTERNATIVELY, MATERIALS TESTING MAY BE PERFORMED USING CONTRACTOR'S LABORATORY EQUIPMENT AND STAFF IF OBSERVED BY AN INDEPENDENT, ACCREDITED THIRD PARTY MATERIAL/LABORATORY TECHNICIAN. INDEPENDENT OBSERVATION SHALL BE DOCUMENTED IN WRITING FOR ALL TESTING TO BE UTILIZED FOR REQUIRED MINIMUM MATERIAL TESTING.

4. SAMPLES COLLECTED FOR THE PURPOSES OF MATERIALS TESTING SHALL BE COLLECTED FROM MATERIAL DELIVERED TO THE PROJECT SITE AND INCORPORATED INTO THE WORK. GENERAL TESTING AT THE SOURCE SUPPLIER (E.G., FROM STOCKPILES AT THE GRAVEL PIT) MAY NOT BE USED AS THE BASIS FOR PROJECT MATERIALS TESTING.

5. ALL MATERIALS TESTING SHALL BE PAID FOR BY THE CONTRACTOR. ALL QUALITY CONTROL/MATERIALS TESTING SHALL BE INCLUDED WITH THE WORK AND WILL NOT BE PAID FOR SEPARATELY.

6. WHEN COLLECTING SAMPLES FOR QC MATERIAL TESTING, THE CONTRACTOR, AT THEIR DISCRETION AND COST, MAY COLLECT ADDITIONAL SAMPLES TO BE USED FOR ADDITIONAL TESTING. FOR PURPOSES OF ACCEPTANCE AND/OR DETERMINATION OF PAYMENT REDUCTIONS, RESULTS FROM THE INITIAL SAMPLE COLLECTED AND TESTED AND/OR OBSERVED BY THE CONTRACTOR'S INDEPENDENT THIRD-PARTY MATERIALS TESTER WILL BE USED. IF SECONDARY TESTING BY THE CONTRACTOR OR THEIR SUPPLIER SHOWS A DIFFERING RESULT, ANOTHER THIRD "DISPUTE SAMPLE" MAY BE TESTED BY AN INDEPENDENT LAB AGREED UPON BY ALL PARTIES. THE RESULTS FROM THIS INDEPENDENT TEST WOULD REPLACE THE PREVIOUS RESULTS FOR THAT PARTICULAR SAMPLE. IN NO CASES CAN THE CONTRACTOR'S OR SUPPLIER'S TESTING RESULTS BE USED AS THE BASIS FOR ACCEPTANCE OR PAYMENT REDUCTIONS OF MATERIALS.

7. THE CITY SHALL BE NOTIFIED IMMEDIATELY VIA TELEPHONE OR EMAIL OF ANY FAILING TESTS TO INCLUDE, BUT NOT BE LIMITED TO, COMPACTION, CONCRETE AIR CONTENT, CONCRETE SLUMP, ETC.

8. CONTRACTOR SHALL SUBMIT FORMAL QUALITY CONTROL REPORTS ON A BI-MONTHLY BASIS SUMMARIZING ALL TESTING PERFORMED DURING THE PERIOD, IDENTIFYING ANY FAILED TESTS AND WHAT WAS DONE TO ADDRESS ANY FAILURES, AND SUMMARIZING QUANTITIES/AREAS REPRESENTED BY THE TESTING.

9. CONTRACTOR IS RESPONSIBLE FOR TRACKING PROJECT QUANTITIES/AREAS AND ENSURING THAT ALL REQUIRED TESTING IS BEING PERFORMED ACCORDING TO CITY OF MONTROSE STANDARDS AND MEETS REQUIRED MINIMUM TESTING FREQUENCIES.

10. THE CONTRACTOR SHALL PROVIDE THE CITY A MINIMUM 24-HOUR ADVANCE NOTICE FOR ALL SPECIAL INSPECTIONS. DELAYS INCURRED BY FAILURE TO PROVIDE THE PROPER ADVANCE NOTICE SHALL BE PAID FOR BY THE CONTRACTOR.

GENERAL NOTES

1. THE CONTRACTOR SHALL HAVE FULL AND COMPLETE RESPONSIBILITY FOR JOB-SITE SAFETY AND SHALL PERFORM ALL WORK IN CONFORMANCE WITH ALL FEDERAL, STATE, AND LOCAL SAFETY REGULATIONS.

2. THE CONTRACTOR SHALL PERFORM THE WORK IN CONFORMANCE WITH ALL FEDERAL, STATE, AND LOCAL ORDINANCES, REGULATIONS, AND LAWS.

3. LOCATION OF ALL EXISTING UTILITIES (PUBLIC OR PRIVATE) SHALL BE IDENTIFIED OR VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION OF PROJECT COMPONENTS. FOR INFORMATION CONTACT: UTILITY NOTIFICATION CENTER OF COLORADO (UNCC, 811) AND LOCAL UTILITY OWNERS AS NECESSARY. THE CONTRACTOR SHALL BEAR THE FULL COST OF REMOVAL, REPLACEMENT, AND DELAY RELATED TO UNVERIFIED EXISTING UTILITIES.

4. THE POTENTIAL EXISTS FOR UNKNOWN UTILITIES NOT MARKED ON THE DRAWINGS TO BE PRESENT WITHIN THE PROJECT AREA. THE PROJECT ENGINEER SHOULD BE NOTIFIED IF SUCH UTILITIES ARE ENCOUNTERED.

5. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL UTILITIES AND CULVERTS THROUGHOUT CONSTRUCTION. ANY UTILITIES DAMAGED BY THE CONTRACTOR SHALL BE RESTORED TO THEIR PRE-PROJECT CONDITION AT THEIR COST.

6. THE CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH LOCAL CONDITIONS AND THE SPECIFICATIONS OF THE GOVERNING ENTITIES AND EXAMINE THE SITE, MAKE TESTS, AND PERFORM EXPLORATIONS DEEMED NECESSARY TO EVALUATE THE

SURFACE AND SUBSURFACE PHYSICAL CONDITIONS OF THE SITE IN ORDER TO PERFORM THE WORK UNDER THE CONDITIONS THAT EXIST ON THE SITE. IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND FOR THE CONTRACT PRICE.

7. THE CONTRACTOR SHALL PERFORM ALL WORK NECESSARY TO COMPLETE THE WORK SHOWN ON THE PLANS OR DESCRIBED IN THE SPECIFICATIONS IN A MANNER SATISFACTORY TO THE CITY'S DESIGNATED REPRESENTATIVE. UNLESS STATED OTHERWISE, THE CONTRACTOR SHALL FURNISH ALL MATERIALS, EQUIPMENT, TOOLS, LABOR, AND INCIDENTALS NECESSARY TO COMPLETE THE WORK.

8. IN SOME CASES, THERE ARE AREAS OF THE SITE DEPICTED ON MORE THAN ONE PAGE OF THE PLANS AND ALL IMPROVEMENTS ARE NOT DEPICTED ON EVERY PAGE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW ALL PLAN SHEETS AND SHALL BE RESPONSIBLE FOR ANY COSTS ASSOCIATED WITH TO FAILURE TO REVIEW ALL PLAN SHEETS.

9. IN CASE OF CONFLICT BETWEEN THE DRAWINGS, NOTES, AND SPECIFICATIONS, THE ORDER OF AUTHORITY SHALL BE: FIRST, THE DRAWINGS; SECOND, THE NOTES; THIRD, THE STANDARD SPECIFICATIONS.

10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCEPTANCE AND CONTROL OF ALL SURFACE AND SUBSURFACE DRAINAGE AND GROUNDWATER ENTERING THE PROJECT AREA. CONTRACTOR IS RESPONSIBLE FOR PROVIDING DEWATERING IF NEEDED AT NO ADDITIONAL COST TO THE PROJECT. DEWATERING METHODS SHALL BE APPROVED BY THE ENGINEER.

11. ONCE MOBILIZED, THE CONTRACTOR SHALL ATTEND WEEKLY PROGRESS MEETINGS WITH THE OWNER AND ENGINEER TO DISCUSS THE WORK PROGRESS AND ANY OUTSTANDING ISSUES. AT A MINIMUM, THE CONTRACTORS SITE SUPERINTENDENT AND REPRESENTATIVES FROM ANY SUBCONTRACTORS PERFORMING WORK THAT WEEK SHALL ATTEND THIS MEETING.

12. A CHANGE ORDER SIGNED BY THE OWNER IS REQUIRED TO QUALIFY ANY EXTRA WORK FOR EXTRA PAYMENT. ANY EXTRA WORK UNDERTAKEN BY THE CONTRACTOR WITHOUT A SIGNED CHANGE ORDER SHALL BE DEEMED TO HAVE BEEN UNDERTAKEN FOR THE CONTRACTOR'S CONVENIENCE AND SHALL NOT BE ELIGIBLE FOR EXTRA COMPENSATION.

13. PROJECT ACCESS AND STAGING SHALL BE RESTRICTED TO THE LIMITS OF DISTURBANCE AND RIGHT-OF-WAY AREAS IDENTIFIED ON THE PLANS. ALL ACCESS SHALL BE FROM CITY STREETS UNLESS SPECIFICALLY NOTED OR APPROVED OTHERWISE.

14. EQUIPMENT STORAGE AND LAYDOWN AREAS USED BY THE CONTRACTOR SHALL NOT INTERFERE WITH EXISTING BUSINESS PARKING, ACCESS, OPERATIONS, OR EXISTING SURFACE DRAINAGE.

15. CONTRACTOR SHALL LIMIT ALL WORK TO DISTURBANCE AREAS SHOWN ON PLANS AND SHALL ADD RIBBON FENCING ALONG THE PROPOSED BACK OF IMPROVEMENTS IF NECESSARY TO AVOID TRESPASS ONTO PRIVATE PROPERTY.

16. CONSTRUCTION WATER SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. HYDRANT METERS FOR CONSTRUCTION WATER ARE AVAILABLE FOR CHECKOUT. CURRENT RATES ARE \$500 REFUNDABLE DEPOSIT ON THE METER, \$669.45 MONTHLY BASE CHARGE, AND \$3.86 PER 1,000 GALLONS USED.

17. UNLESS SPECIFICALLY APPROVED OTHERWISE, CONTRACTOR SHALL NOT USE HYDRANTS SITUATED WITHIN DEVELOPED RESIDENTIAL LOTS FOR CONSTRUCTION WATER.

REMOVALS AND CLEARING

1. WHERE EXISTING ASPHALT PAVEMENT, CONCRETE PAVEMENT, OR CONCRETE SIDEWALK IS TO BE REMOVED ADJACENT TO STRUCTURES, CONCRETE, OR ASPHALT TO REMAIN, IT SHALL BE CUT FULL DEPTH TO A NEAT LINE. CONCRETE REMOVALS SHALL BE TO THE NEAREST TOOL JOINT UNLESS NOTED OTHERWISE. USE OF A WHEEL CUTTER, SAW, OR MILL CUT PARALLEL TO THE DIRECTION OF MILLING ARE GENERALLY ACCEPTABLE METHODS FOR ACHIEVING THIS NEAT LINE.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSING OF ALL MATERIALS REMOVED FROM THE SITE IN ACCORDANCE WITH APPLICABLE WASTE HANDLING AND DISPOSAL LAWS. THE COST FOR HAULING AND DISPOSAL OF REMOVED MATERIAL SHALL BE INCLUDED IN THE UNIT PRICE FOR THE ASSOCIATED BID ITEM UNLESS SPECIFICALLY NOTED OTHERWISE.

EXCAVATION, BACKFILL, AND SPOILS

1. TYPE OF COMPACTION FOR THIS PROJECT SHALL BE AS FOLLOWS:

A. EXISTING SUBGRADE (GRANULAR) 90% MIN OF AASHTO T-180 (MODIFIED PROCTOR) AT ±2% OMC

B. EXISTING SUBGRADE (FINE-GRAINED) SEE NOTE 2

C. AGGREGATE BASE COURSE (CLASS 6) 95% MIN OF AASHTO T-180 (MODIFIED PROCTOR) AT ±2% OMC

2. EXCAVATIONS INTO NATIVE EXISTING FINE-GRAINED SOILS (THOSE COMPRISED PRIMARILY OF PLASTIC CLAYS AND SILTS) SHALL BE PERFORMED USING AN EXCAVATOR BUCKET WITH A FLAT PLATE WELDED OVER THE CUTTING EDGE OF THE BUCKET AS TO MINIMIZE SUBGRADE DISTURBANCE. SOILS SHALL NOT BE COMPACTED IN ANY MANNER THAT CAUSES DISTURBANCE OR PUMPING OF SUBGRADE SOILS. ALL DISTURBED SUBGRADE SOILS (FROM EQUIPMENT TRACKING OR OTHERWISE) AS DETERMINED BY THE ENGINEER SHALL BE REMOVED AND REPLACED WITH CDOT CLASS 2 AGGREGATE BASE COURSE AT NO COST TO THE CITY.

3. MAXIMUM PRE-COMPACTED LIFT THICKNESS FOR ALL SOILS SHALL BE 8 INCHES UNLESS APPROVED OTHERWISE.

4. CONTRACTOR SHALL THOROUGHLY MOISTURE CONDITION (BY WETTING OR DRYING AS NEEDED AND MIXING THOROUGHLY) ALL BACKFILL MATERIALS PRIOR TO PLACEMENT. WATERING OF LOOSE BACKFILL AFTER IT HAS BEEN PLACED IS PROHIBITED. MOISTURE CONDITIONING OPERATIONS FOR IMPORTED BACKFILL SHALL TAKE PLACE OUTSIDE OF THE PROPOSED ROADWAY FOOTPRINT UNLESS APPROVED OTHERWISE.

5. ALL EXCAVATION WORK SHALL BE IN ACCORDANCE WITH STATE AND FEDERAL OSHA REGULATIONS.

6. PRECIPITATION RUNOFF AND CONSTRUCTION WATER SHALL BE CONTROLLED SUCH THAT WATER IS NOT ALLOWED TO ACCUMULATE IN THE EXCAVATIONS, IN PAVEMENT AREAS, OR BASE COURSE LAYERS. PONDED WATER SHOULD BE REMOVED AND ANY BEARING SOILS THAT BECOME SATURATED OR SOFTENED REMOVED AND REPLACED PRIOR TO PLACEMENT OF OVERLYING FILL, CONCRETE, OR PAVEMENTS.

7. ALL EXCAVATED MATERIALS NOT APPROVED FOR RE-USE, LOOSE SOILS, SOFT SOILS, ORGANIC MATERIALS, DEBRIS, FROZEN SOIL, ICE, AND OTHER DELETERIOUS MATERIALS SHOULD BE REMOVED FROM EXCAVATIONS PRIOR TO PLACEMENT OF OVERLYING FILL, CONCRETE, OR PAVEMENTS.

CONCRETE AND REINFORCEMENT

1. ALL CONCRETE ON THIS PROJECT SHALL BE CDOT CLASS 2.

2. SEVERITY OF SULFATE EXPOSURE SHALL BE CLASS 2.

3. CONTRACTOR SHALL DEMONSTRATE THAT PROPOSED MIX DESIGN MEETS SPECIFIED STRENGTH FOR AT LEAST 95% OF ALL CONCRETE REPRESENTED BY ROUTINE QUALITY-CONTROL TESTING OVER THE PAST 18 MONTHS OR AS OTHERWISE APPROVED.

4. CONCRETE PLACED IN ABUTMENTS AND WINGWALLS SHALL CURE FOR AT LEAST 7 DAYS OR UNTIL A COMPRESSIVE STRENGTH OF AT LEAST 3,600 PSI (AS DETERMINED BY VERIFICATION TEST CYLINDERS) HAS BEEN REACHED PRIOR TO BACKFILLING.

5. VEHICULAR TRAFFIC SHOULD BE KEPT OFF OF NEW CONCRETE FOR A MINIMUM OF FIVE DAYS OR UNTIL THE CONCRETE REACHES A COMPRESSIVE STRENGTH OF 3,000 PSI. DAMAGE TO NEW CONCRETE AS A RESULT OF FAILURE TO PROPERLY PROTECT THE CONCRETE FROM VEHICULAR TRAFFIC SHALL BE REPAIRED BY THE CONTRACTOR AT THEIR EXPENSE.

6. CONTRACTOR IS RESPONSIBLE FOR PROTECTING FRESHLY-POURED CONCRETE FROM VANDALISM AND/OR DAMAGE DURING ITS INITIAL SET. ANY DAMAGED OR VANDALIZED CONCRETE SHALL BE REPAIRED OR REPLACED AT NO COST TO THE CITY.

7. BLACK REINFORCING STEEL SHALL CONFORM TO AASHTO M31, 60 KSI (ASTM A615 GRADE 60). EPOXY COATED REINFORCING STEEL SHALL CONFORM TO AASHTO M284, 60 KSI.

8. MINIMUM COVER FOR REINFORCING STEEL SHALL BE PROVIDED IN ACCORDANCE

WITH ACI 318 CHAPTER 7 AS FOLLOWS:

8.1. CONCRETE DEPOSITED DIRECTLY AGAINST GROUND: "3"

8.2. FORMED CONCRETE EXPOSED TO WEATHER OR GROUND: "2"

9. ALL REINFORCING STEEL SHALL BE BENT, DETAILED, AND CHAIRED PER THE "ACI MANUAL OF STANDARD PRACTICE FOR DETAILING OF REINFORCED CONCRETE STRUCTURES." REINFORCING STEEL LAP SPLICES (INCHES) SHALL BE IN ACCORDANCE WITH THE FOLLOWING TABLE:

BAR SIZE	EPOXY COATED		BLACK BARS	
	TOP BAR	ALL OTHERS	TOP BAR	ALL OTHERS
#3	22	12	12	12
#4	22	22	19	14
#5	34	30	30	22
#6	49	43	43	31
#7	66	59	58	41
#8	87	77	76	54

TOP BARS ARE DEFINED AS A HORIZONTAL BAR WITH MORE THAN 12" OF CONCRETE CAST BELOW THE BAR.

EROSION CONTROL

1. CONTRACTOR SHALL UTILIZE AND INSTALL EROSION CONTROL MEASURES AS OUTLINED IN THE CITY OF MONTROSE STANDARDS AND SPECIFICATIONS. AT A MINIMUM THIS SHALL INCLUDE GRAVEL ROCK SOCKS IN GUTTERS ABOVE AND BELOW ALL WORK AREAS, DESIGNATED CONCRETE WASHOUT AREAS, AND APPROPRIATE TRASH RECEPTACLES FOR PROJECT REUSE.

2. INSTALLATION OF EROSION CONTROL MEASURES SHALL BE COMPLETED PRIOR TO SOIL DISTURBANCE OR EXCAVATION.

3. WHENEVER SEDIMENT IS TRANSPORTED ONTO A PUBLIC ROAD, THE ROAD SHALL BE CLEANED AT THE END OF EACH DAY. SEDIMENT SHALL BE REMOVED FROM ROADS BY SHOVELING OR SWEEPING AND TRANSPORTED TO A DISPOSAL AREA. STREET WASHING SHALL NOT BE ALLOWED UNTIL SEDIMENT IS REMOVED IN THIS MANNER. STORM SEWER INLET PROTECTIVE MEASURES SHALL BE IN PLACE AT THE TIME OF STREET WASHING.

4. THE CONTRACTOR SHALL MAKE ROUTINE CHECKS ON ALL EROSION CONTROL MEASURES AND RIGHT-OF-WAY AREAS IDENTIFIED ON THE PLANS. ALL ACCESS SHALL BE FROM CITY STREETS UNLESS SPECIFICALLY NOTED OR APPROVED OTHERWISE.

5. SEDIMENT DEPOSITS SHALL BE REMOVED ONCE THEY HAVE ACCUMULATED TO A HEIGHT OF ONE HALF OF THE BARRIER OR PRIOR TO REMOVING EROSION CONTROL MEASURES.

6. A STORMWATER CONSTRUCTION PERMIT WITH THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND THE ENVIRONMENT IS NOT REQUIRED FOR THIS PROJECT.

SURVEYING AND PROJECT LAYOUT

1. HORIZONTAL SURVEY LAYOUT FOR EACH OF THE PROJECT COMPONENTS LISTED BELOW WILL BE PROVIDED BY THE CITY:

A. REMOVAL EXTENTS

B. BACK OF CURB LINE AND RADIUS POINTS

C. BACK OF WALK LINE AND RADIUS POINTS

D. DRIVEWAY AND RAMP LOCATIONS

2. PROJECT LAYOUT WILL BE PROVIDED BY STAKING OR PAINTING THE ACTUAL LOCATION OF PROJECT COMPONENTS OR OFFSETS (WHERE APPROPRIATE). THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING THIS LAYOUT AND/OR OFFSETTING LAYOUT POINTS TO ALLOW FOR POINTS TO BE RE-ESTABLISHED DURING CONSTRUCTION. EACH PROJECT COMPONENT WILL ONLY BE STAKED BY THE CITY ONCE.

3. THE CONTRACTOR SHALL GIVE THE CITY AT LEAST 48 HOURS ADVANCE NOTICE FOR LAYOUT OF PROJECT COMPONENTS. DELAYS/COSTS INCURRED BY FAILURE TO PROVIDE THE PROPER ADVANCE NOTICE SHALL BE PAID FOR BY THE CONTRACTOR.

4. CONTRACTOR IS RESPONSIBLE FOR ALL OTHER PROJECT SURVEYING NOT SPECIFICALLY LISTED ABOVE IN ITEM #1 INCLUDING, BUT NOT LIMITED TO, ESTABLISHMENT OF VERTICAL GRADE IN COOPERATION WITH THE PROJECT ENGINEER (SEE DETAIL SHEETS FOR ADDITIONAL INFORMATION). THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE WORK.

STREETS

1. THE ROADWAY SHALL BE LEFT IN A SAFE CONDITION AT THE END OF EACH DAYS WORK.

2. HOT MIX ASPHALT AND ITS PLACEMENT SHALL CONFORM TO CDOT SPECIFICATIONS 401 AND 403 WITH THE FOLLOWING EXCEPTIONS: (1) A FORMAL COMPACTION TEST SECTION SHALL NOT BE REQUIRED (ONLY STANDARD TESTING REQUIRED BY CITY SPEC) AND, (2) SMOOTHNESS TESTING SPECIFIED IN CDOT SECTION 105.07 SHALL NOT BE REQUIRED. SMOOTHNESS WILL BE TESTED AND ACCEPTED PER CITY OF MONTROSE SPECIFICATIONS.

3. ALL HOT MIX ASPHALT SHALL BE GRADING 5X, WITH PG 64-22 ASPHALT, AND AN N-DESIGN OF 75.

4. ALL HOT MIX ASPHALT MATERIALS TESTING SHALL BE IN ACCORDANCE WITH CITY OF MONTROSE SPECIFICATIONS WITH THE FOLLOWING ADDITION: VOIDS IN MINERAL AGGREGATE AND AIR VOIDS SHALL BE TESTED AT A RATE OF 1 TEST PER 1,000 TON AND 1 PER DAY MINIMUM. IN INSTANCES WHERE MORE THAN 100 TONS ARE PLACED IN ONE DAY, THE TESTS MAY BE TAKEN AFTER 100 TONS ARE PRODUCED AS TO GIVE THE ASPHALT BATCH PLANT TIME TO SUFFICIENTLY WARM UP FOR THE DAY.

5. FAILURE TO MEET ASPHALT QUALITY CONTROL REQUIREMENTS WILL BE BASIS FOR PAYMENT REDUCTIONS FOR THE HOT MIX ASPHALT PAY ITEM. PAYMENT REDUCTIONS WILL BE CALCULATED BASED ON CDOT'S VOIDS 03 PROGRAM AND SECTION 105.05 OF CDOT SPECIFICATIONS. PAYMENT REDUCTIONS WILL NOT APPLY WHEN THE SUPPLIER'S ASPHALT PLANT IS PRODUCING LESS THAN 100 TONS FOR THE DAY.

TRAFFIC CONTROL AND STRIPING

1. THE CONTRACTOR SHALL PREPARE A TRAFFIC CONTROL PLAN FOR APPROVAL BY THE CITY PRIOR TO MOBILIZATION.

2. ALL TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE MOST RECENT VERSION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)

3. CONTRACTOR SHALL PERFORM ROUTINE INSPECTIONS OF TRAFFIC CONTROL AS NECESSARY TO MAINTAIN SAFE AND EFFECTIVE TRAFFIC CONTROL IN COMPLIANCE WITH MUTCD STANDARDS AND THE APPROVED TRAFFIC CONTROL PLAN. FORMAL INSPECTIONS SHALL BE PERFORMED AT LEAST ONCE DAILY.

4. TRAFFIC CONTROL SHALL BE SUBJECT TO THE FOLLOWING CONDITIONS:

4.1. AT LEAST ONE THROUGH LANE OF TRAFFIC MUST BE MAINTAINED AT ALL TIMES ON HILLCREST DRIVE. WORK MAY BE PERFORMED BY CLOSING SHOULDERS OR SHIFTING LANES TOWARDS THE EAST SO LONG AS ONE LANE OF TRAFFIC IS MAINTAINED IN EACH DIRECTION.

4.2. SIDE STREETS MAY BE CLOSED DURING PERIODS OF ACTIVE WORK.

4.3. LANE SHIFTS, IF UTILIZED, SHALL ONLY BE UTILIZED DURING TIMES OF ACTIVE WORK. ALL LANE SHIFTS SHALL BE RETURNED TO AT LEAST A SHOULDER CLOSURE AT THE END OF EACH DAY'S WORK.

5. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN PUBLIC AND PRIVATE ACCESS DRIVES FROM THE POINT OF DISRUPTION TO THE TRAVELED WAY THROUGHOUT CONSTRUCTION. THE CONTRACTOR WILL NOT BE ALLOWED TO SHUT OFF ACCESS TO ANY PROPERTY UNLESS REQUIRED FOR DRIVEWAY CONSTRUCTION OR OPEN TRENCHES IN ACTIVE WORK AREAS, IN WHICH CASE, THE SHUTOFF MUST BE COORDINATED WITH THE PROPERTY OWNER OR ALTERNATE ACCESS PROVIDED.

6. ANY DISTURBED STRIPING SHALL BE RESTORED BY THE CITY OF MONTROSE.

7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLACEMENT OF NO PARKING SIGNAGE IN ADVANCE OF PERFORMING WORK WITHIN AREAS TO BE CLEARED OF PARKED VEHICLES AND SHALL MAKE REASONABLE ATTEMPTS TO CONTACT OWNERS OF ANY CARS THAT REMAIN AFTER PLACEMENT OF SIGNAGE. THE CITY WILL COORDINATE AND PERFORM TOWING OF ANY ABANDONED VEHICLES THAT REMAIN FOLLOWING THESE ATTEMPTS BY THE CONTRACTOR.

8. ALL SIGN POSTS SHALL BE NEW, U-2 STYLE, 3 LB/FT, GREEN, AND EMBEDDED MINIMUM 30". SEE CDOT STANDARD S-614-2 FOR POST DIMENSIONS AND ATTACHMENT DETAIL.

SITE RESTORATION

1. THE CONTRACTOR IS RESPONSIBLE FOR RESTORING ALL DISTURBED AREAS TO A CONDITION AS GOOD AS OR BETTER THAN THAT PRESENT PRIOR TO DISTURBANCE OR AS SPECIFICALLY SHOWN ON THE PLANS. REQUIREMENTS SPECIFIC TO MAIN RESTORATION ELEMENTS ARE SUMMARIZED BELOW:

1.1. TOPSOIL RE-USE. STRIP, SEGREGATE, AND RE-USE TOPSOIL TO THE EXTENT PRACTICABLE. NEW TOPSOIL SHALL BE IMPORTED AS NECESSARY TO MAKE UP FOR SOIL LOSSES AND RESTORE DISTURBED AREAS TO THEIR PRE-PROJECT CONDITION.

1.2. PRIVATE LAWNS. REPLACE PRIVATE GRASS LAWNS WITH SOD AND NOTIFY HOMEOWNERS TO ENSURE THE SOD IS WATERED AND WILL TAKE.

1.3. PLANTING AREAS. RESTORE PLANTING AREAS TO INCLUDE SPRINKLERS, WEED FABRIC, GROUND COVER, ETC TO A CONDITION AS GOOD AS OR BETTER THAN THAT PRESENT PRIOR TO DISTURBANCE AND USING MATERIALS MATCHING THE ADJACENT PLANTING AREAS TO REMAIN.

2. ALL EXISTING IRRIGATION/SPRINKLER SYSTEMS WITHIN THE PROJECT AREA SHALL BE MODIFIED AS NECESSARY TO MAINTAIN THE SYSTEM'S FUNCTIONALITY AND RESTORE FLOW/FUNCTIONALITY THE SAME DAY AS DISTURBANCE OCCURS. CONTRACTOR SHALL COORDINATE WITH THE OWNERS OF THE SPRINKLER SYSTEMS TO PERFORM THESE MODIFICATIONS. SPRINKLER SYSTEM MODIFICATION WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE WORK.

3. REPAIR OF CONTRACTOR DAMAGED PRIVATE SPRINKLER SYSTEMS WITHIN AND ADJACENT TO THE PROJECT AREA SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL RESTORE THE DAMAGED IRRIGATION SYSTEM TO PRE-CONSTRUCTION CONDITION AT CONTRACTOR EXPENSE. CONTRACTOR SHALL VERIFY THE CONDITION OF EXISTING SPRINKLER SYSTEMS WITH A REPRESENTATIVE OF THE PROPERTY OWNER AND THE ENGINEER PRIOR TO CONSTRUCTION.

4. WHERE BEING RESET, THE FUNCTIONALITY OF ALL EXISTING FENCING SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION THROUGH THE USE OF TEMPORARY FENCING WHERE NECESSARY. THIS TEMPORARY FENCING SHALL BE CAPABLE OF CONTAINING PETS IN THE RESIDENTIAL YARDS.

CONSTRUCTION TOLERANCES

1. CONSTRUCTION TOLERANCES SHALL BE PER REFERENCE SPECIFICATIONS, ACCEPTED INDUSTRY STANDARDS, AND THE FOLLOWING SPECIFIC TO THIS PROJECT. DEVIATIONS FROM THESE TOLERANCES WILL BE ALLOWED AT THE DISCRETION OF THE OWNER WHERE IT CAN BE DEMONSTRATED TO THEIR SATISFACTION THAT THE INTENDED FUNCTIONALITY IS MAINTAINED AS DESIGNED.

A. PREPARED SUBGRADE SURFACE: ±2" VERTICALLY, -1" TO +3" HORIZONTALLY

B. SUBBASE: ±1" VERTICALLY (TOP SURFACE), -1" TO +3" HORIZONTALLY

C. BASE COURSE: FINISH SURFACE ±½" VERTICALLY AT CENTERLINE, ±½" VERTICALLY AT GUTTER, -1" TO +3" HORIZONTALLY

D. ASPHALT PAVEMENT: ±¾" VERTICALLY AT CENTERLINE, ±¾" VERTICALLY AT GUTTER, -0.2% TO +0.3% SLOPE, NO MORE THAN ¾" SURFACE SMOOTHNESS VARIATION OVER 10 FEET, -¾" TO +½" FROM SPECIFIED THICKNESS

E. CURB, GUTTER, SIDEWALKS, AND RAMPS: ±1" FROM LINE WITH NO MORE THAN ¾" VARIATION IN 100 FEET. GUTTERS SHALL NOT POND WATER GREATER THAN ¾" DEEP.

NAME

ISSUED FOR BID

RDC | SAM

06/08/2026

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DATE: 06/08/2026

JOB NO: 19.1.2

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SCALE: NTS

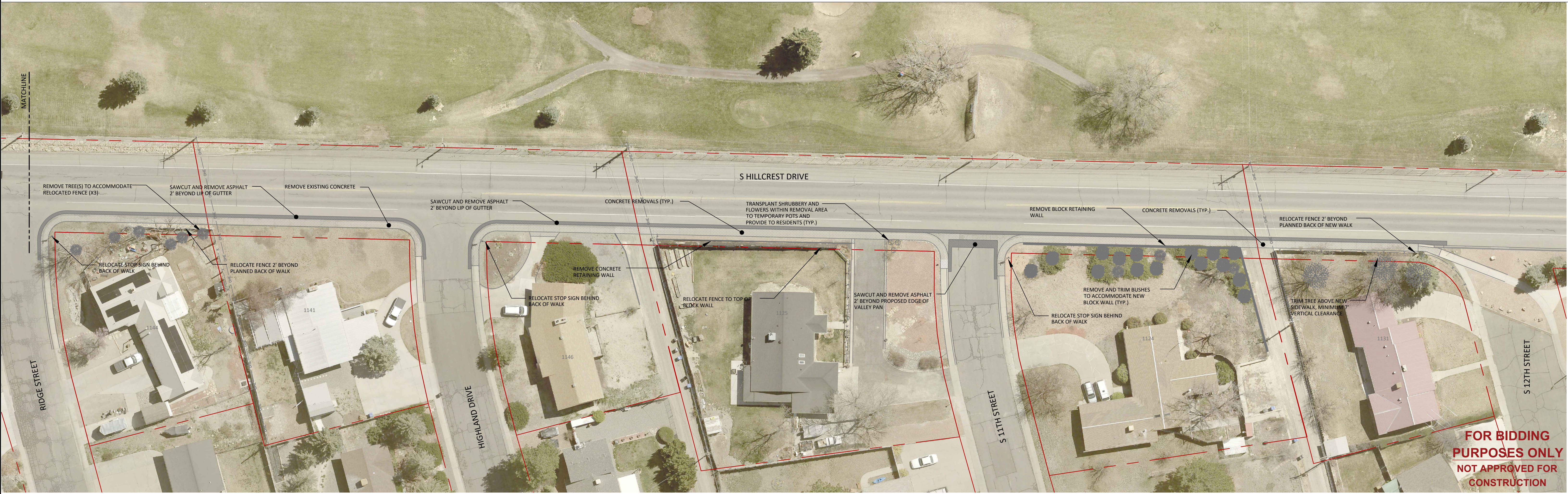
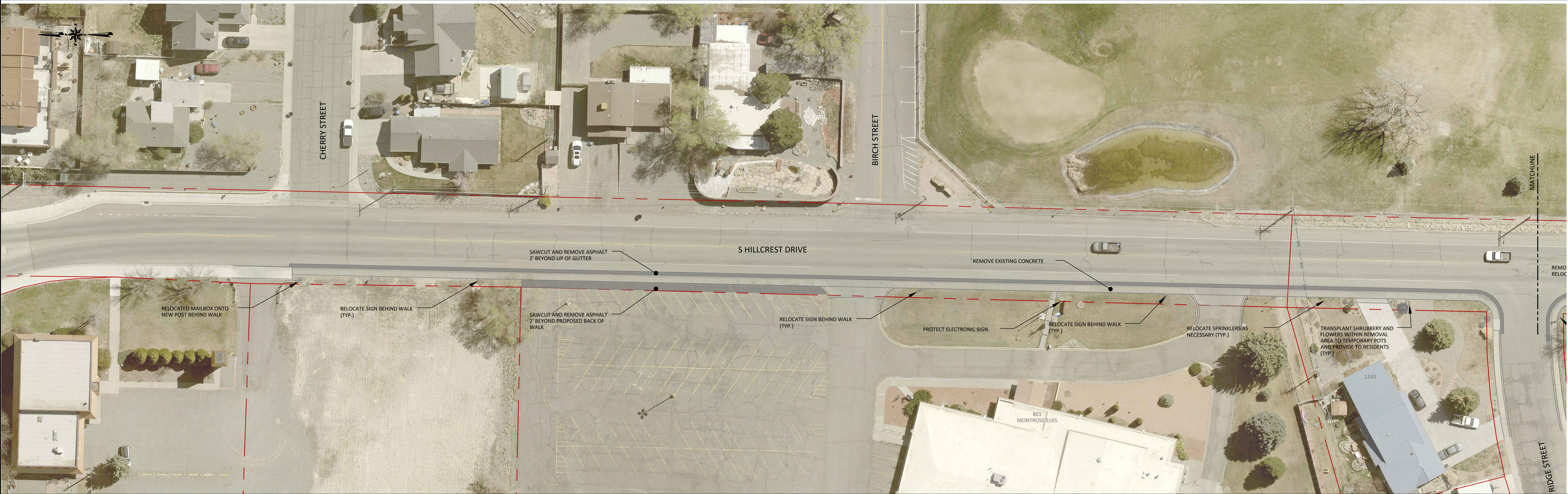
CITY OF MONTROSE
ENGINEERING DEPARTMENT
1211 14th Street
MONTROSE, CO 81401
PH: 243-1401 FAX: 232-4780
WWW.CITYOFMONTROSE.ORG

HILLCREST DRIVE
SIDEWALK REPLACEMENT PROJECT
MONTROSE, COLORADO

NOTES

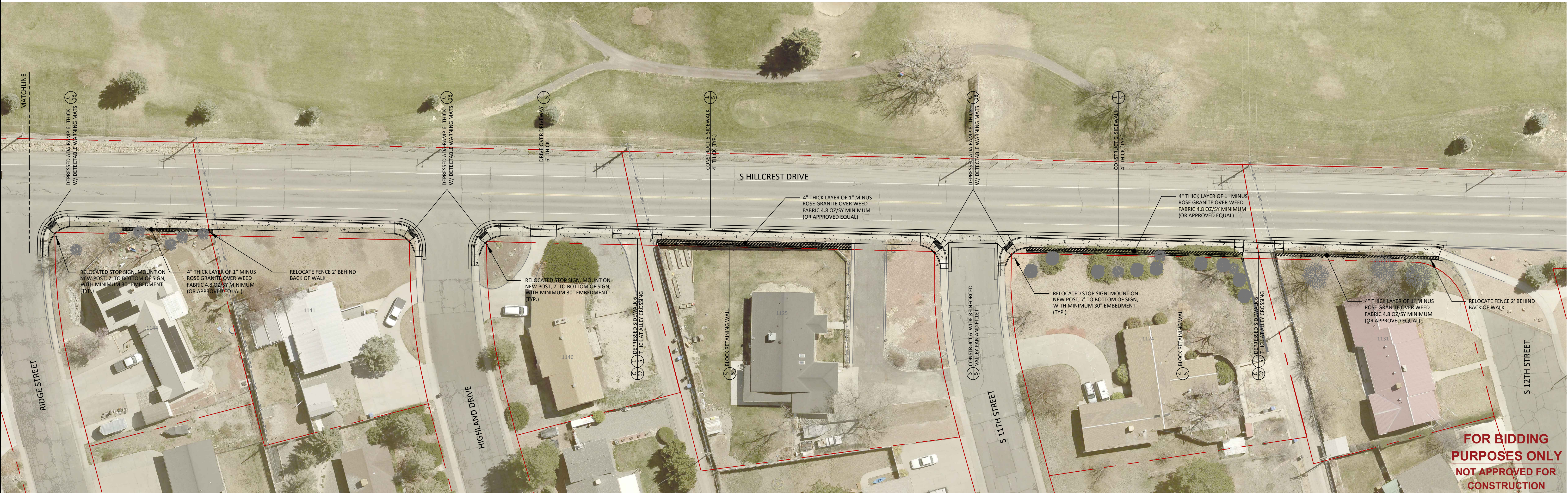
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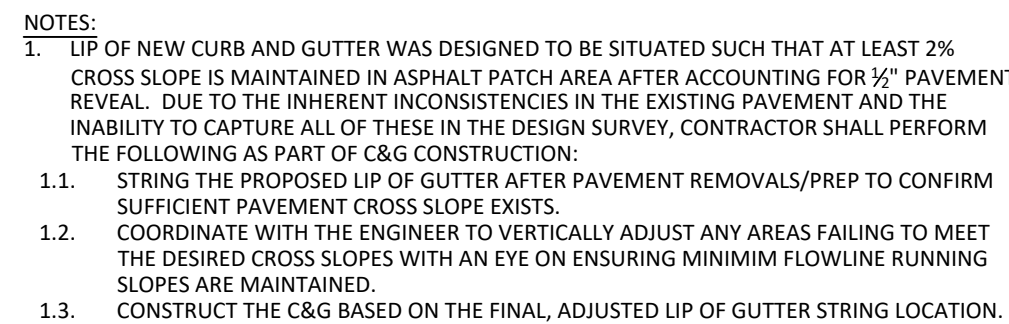


CITY OF MONTROSE
ENGINEERING DEPARTMENT
121 S. 4th St.
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HILLCREST DRIVE
SIDEWALK REPLACEMENT PROJECT
MONTROSE, COLORADO
CONSTRUCTION

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DRIVEWAY 2
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