

CSU GAS - MESA TO MANITOU
GAS MAIN PHASES 5.2 & 5.3
GRADING AND EROSION CONTROL PLANS
COLORADO SPRINGS, CO

RECEIVING WATERS
FOUNTAIN CREEK

TENTATIVE DURATION OF DISTURBANCE

START DATE: FALL 2023
COMPLETION DATE: WINTER 2023/2024

TENTATIVE DATE OF FINAL STABILIZATION
SPRING 2024

FLOODPLAIN STATEMENT

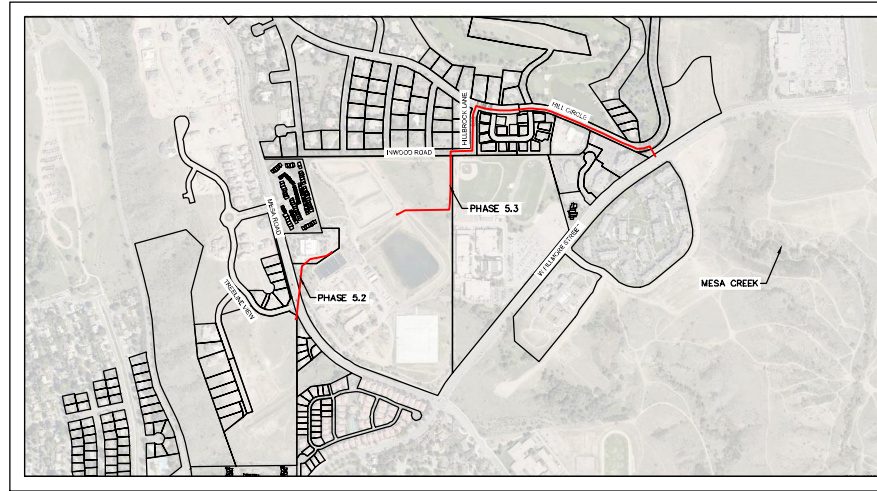
THE PROJECT VICINITY IS OUTSIDE OF THE 100-YEAR
FLOODPLAIN.

GEOLOGICAL HAZARDS

THERE ARE NO GEOLOGICAL HAZARDS LOCATED ON THE SITE.

BATCH PLANTS

THERE ARE NO ASPHALT/CONCRETE BATCH PLANTS OR
MASONRY MIX STATIONS LOCATED ON THE SITE.



CONTACTS:

ENGINEER
KIMLEY-HORN AND ASSOCIATES, INC.
2 NEVADA NORTH AVE., SUITE 900
COLORADO SPRINGS, CO 80903
TEL: 719.453.0181
CONTACT: KEVIN KOFFORD, P.E.

PROJECT MANAGER
BLACKEAGLE ENERGY SERVICES
230 COMMERCE DRIVE
BERTHOUD, CO 80513
CONTACT: BENJAMIN VANDYKE
PHONE: 970.652.4735

GEC ADMINISTRATOR
EARTH X ENVIRONMENTAL, LLC
3409 N. PROSPECT STREET
COLORADO SPRINGS, CO 80907
CONTACT: BRIAN GARBBER
PHONE: 303.495.8336
EMAIL: BGARBBER@EARTHXLUS

OWNER
COLORADO SPRINGS UTILITIES
PO BOX 1103, MC 1821
COLORADO SPRINGS, CO 80947
CONTACT: DAVID PADGETT
PHONE: 719.668.6679
EMAIL: DPADGETT@CSU.ORG

CITY OF COLORADO SPRINGS GRADING AND EROSION CONTROL REVIEW
THIS GRADING AND EROSION CONTROL PLAN IS FILED IN ACCORDANCE WITH CITY CODE.
THIS PLAN IS REVIEWED IN ACCORDANCE WITH THE STORMWATER CONSTRUCTION
MANUAL; LATEST REVISIONS.

SIGNATURE: *Mark Muñoz* DATE: 09/11/2023

FOR THE SWEET MANAGER

NOTES: STM-REV23-0862; STM-MP23-0219

VICINITY MAP

SCALE: 1" = 500'

SHEET INDEX

| SHEET TITLE | SHEET NO. |
|----------------------------|-----------|
| COVER SHEET | 1 |
| STANDARD NOTES | 2 |
| INDEX SHEET | 3 |
| GEC PLAN - INITIAL/INTERIM | 4 - 9 |
| GEC PLAN - FINAL | 10 - 15 |
| DETAILS | 16 - 19 |

ENGINEER'S STATEMENT

THIS GRADING AND EROSION CONTROL PLAN WAS PREPARED UNDER MY DIRECTION AND
SUPERVISION AND IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. IF SUCH
WORK IS PERFORMED IN ACCORDANCE WITH THE GEC PLAN, THE WORK WILL NOT
BECOME A HAZARD TO LIFE AND LIMB, ENDANGER PROPERTY, OR ADVERSELY AFFECT
THE SAFETY, USE, OR STABILITY OF A PUBLIC WAY, DRAINAGE CHANNEL, OR OTHER
PROPERTY.

PRINTED NAME: KEVIN KOFFORD, P.E.

DATE: 8/31/2023

PHONE NUMBER: (719) 453-0182

SEAL:



CSU PROJECT MANAGER'S STATEMENT

I HEREBY CERTIFY THAT THE DRAINAGE, GRADING, AND EROSION CONTROL FOR CSU GAS
- MESA TO MANITOU SHALL BE CONSTRUCTED ACCORDING TO THE DESIGN PRESENTED
IN THIS GRADING AND EROSION CONTROL PLAN. I FURTHER UNDERSTAND THAT FIELD
CHANGES MUST BE REVIEWED BY THE SWEET REVIEW ENGINEER TO ENSURE
CONFORMANCE WITH THE ORIGINAL DESIGN INTENT. I AM EMPLOYED BY AND PERFORM
ENGINEERING SERVICES SOLELY FOR COLORADO SPRINGS UTILITIES, AN ENTERPRISE OF
THE CITY OF COLORADO SPRINGS, AND THEREFORE AM EXEMPT FROM COLORADO
REVISED STATUTE TITLE 12, ARTICLE 25, PART 1 ACCORDING TO § 12-25-103(1), C.R.S.

NAME OF CSU PROJECT MANAGER: Mark Muñoz DATE: 9/01/2023

SIGNATURE: *Mark Muñoz*

TITLE: Project Manager

PHONE NUMBER: 719-658-2862

EMAIL ADDRESS: mmunoz@csu.org

ENGINEER'S OPINION OF PROBABLE COST:

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|----------|----------------------------|----------|------------------------------------|------------|-------------|
| 1 | Silt Fence | 584 | LF | \$2.00 | \$1,168.00 |
| 2 | Sediment Control Logs | 780 | LF | \$5.00 | \$3,900.00 |
| 3 | Stabilized Staging Area | 5,713 | SY | \$2.00 | \$11,426.00 |
| 4 | Vehicle Tracking Control | 4 | EA | \$3,214.00 | \$12,856.00 |
| 5 | Concrete Washout | 1 | EA | \$2,031.00 | \$2,031.00 |
| 6 | Rock Socks | 18 | EA | \$24.00 | \$432.00 |
| 7 | Soil Stockpile | 1 | EA | \$800.00 | \$800.00 |
| 8 | Portable Toilet Protection | 2 | EA | \$75.00 | \$150.00 |
| 9 | Street Sweeping | 1 | ALLOW | \$350.00 | \$350.00 |
| 10 | Seeding and Mulching | 2 | AC | \$628.00 | \$1,256.00 |
| | | | Subtotal | | \$34,437.00 |
| | | | Installation and Maintenance (40%) | | \$13,775.12 |
| | | | Project Total | | \$48,212.92 |



Know what's below.
Call before you dig.

CSU GAS - MESA TO MANITOU
PHASES 5.2 & 5.3
GEC PLANS
COVER SHEET



PROJECT NO.
067607121

SHEET
1

Kimley»Horn
2023 KIMLEY-HORN AND ASSOCIATES, INC.
2 North Nevada Avenue, Suite 900
Colorado Springs, Colorado 80903 (719) 453-0180

DESIGNED BY: KRK
DRAWN BY: RES
CHECKED BY: KRK
DATE: 8/31/23

STANDARD GEC PLAN NOTES

- NO CLEARING, GRADING, EXCAVATION, OR OTHER LAND DISTURBING ACTIVITIES SHALL BE ALLOWED (EXCEPT FOR WORK DIRECTLY RELATED TO THE INSTALLATION OF INITIAL CONSTRUCTION MEASURES) UNTIL A CITY GEC PERMIT HAS BEEN ISSUED.
- ALL LAND DISTURBING ACTIVITIES MUST BE PERFORMED IN ACCORDANCE WITH AND THE APPROVED GEC PLAN AND CSWMP.
- INITIAL CONTROL MEASURES SHALL BE INSTALLED AND INSPECTED PRIOR TO ANY LAND DISTURBANCE ACTIVITIES TAKING PLACE. THE INITIAL GEC PERMIT WORK NOT SCHEDULED UNDER A CITY GEC PERMIT MUST BE COMPLETED BEFORE COMMENCING PERMITS ISSUED, AND CITY STORMWATER INSPECTIONS, \$835-9800, AT LEAST 48 HOURS PRIOR TO CONSTRUCTION TO SCHEDULE AN INITIAL INSPECTION AND OBTAIN FULL PERMIT APPROVAL.
- INDIVIDUALS SHALL COMPLY WITH THE COLORADO WATER QUALITY CONTROL ACT (TITLE 25, ARTICLE 8, CRS) AND THE CLEAN WATER ACT (33 USC 1344), INCLUDING REGULATIONS THEREUNDER, AND ALL CONDITIONS PERMITS ISSUED, AND THE REQUIREMENT TO PURCHASE AND MAINTAIN A CITY MSA PERMIT FOR STORMWATER CONTROL MEASURES, AND THE EVENT OF VIOLATIONS BETWEEN THESE REQUIREMENTS AND WATER QUALITY CONTROL LAWS, RULES, OR REGULATIONS OF OTHER FEDERAL, STATE, OR LOCAL GOVERNMENT AGENCIES, LAWS, RULES, OR REGULATIONS SHALL APPLY.
- STORMWATER DISCHARGES FROM CONSTRUCTION SITES SHALL NOT CAUSE OR THREATEN TO CAUSE POLLUTION, CONTAMINATION, OR DEGRADATION OF STATE WATERS.
- ALL CONSTRUCTION CONTROL MEASURES SHALL BE MAINTAINED UNTIL PERMANENT STABILIZATION MEASURES ARE IMPLEMENTED. TEMPORARY CONSTRUCTION CONTROL MEASURES MUST BE REMOVED PRIOR TO PERMIT CLOSOUT.
- CONCRETE WASH WATER SHALL NOT BE DISCHARGED TO OR ALLOWED TO RUNOFF TO STATE WATERS OR ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR FACILITIES.
- BUILDING, CONSTRUCTION, EXCAVATION, OR OTHER WASTE MATERIALS SHALL NOT BE TEMPORARILY PLACED OR STORED IN THE STREET, ALLEY, OR OTHER PUBLIC WAY, UNLESS IN ACCORDANCE WITH AN APPROVED TRAFFIC CONTROL PLAN, CONSTRUCTION CONTROL MEASURES, AND/OR AS REQUIRED BY THE CITY ENGINEER OR INSPECTOR IF NECESSARY BASED ON SPECIFIC CONDITIONS AND CIRCUMSTANCES (E.G., ESTIMATED TIME OF EXPOSURE, SEASON OF THE YEAR, ETC.).
- ALL WASTES COMPOSED OF BUILDING MATERIALS MUST BE REMOVED FROM THE CONSTRUCTION SITE FOR DISPOSAL IN ACCORDANCE WITH LOCAL AND STATE REGULATORY REQUIREMENTS. NO BUILDING MATERIAL WASTES OR UNUSED BUILDING MATERIALS SHALL BE DUMPED OR DISCHARGED AT THE SITE.
- THE PERMITTEE SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL CONSTRUCTION DEBRIS, DIRT, TRASH, ROCK, SEDIMENT, AND SAND THAT MAY ACCUMULATE IN THE STORM SEWER OR OTHER DRAINAGE CONVEYANCE SYSTEM AS A RESULT OF CONSTRUCTION ACTIVITIES.
- THE QUANTITY OF MATERIALS STORED ON THE PROJECT SITE SHALL BE LIMITED, AS MUCH AS PRACTICAL, TO THAT QUANTITY REQUIRED TO PERFORM THE PROJECT IN SEQUENCE. ALL MATERIALS STORED ON-SITE SHALL BE STORED IN A NEAT, ORDERLY MANNER, IN THEIR ORIGINAL CONTAINERS, WITH ORIGINAL MANUFACTURER'S LABELS. MATERIALS SHALL NOT BE STORED IN A LOCATION WHERE THEY MAY BE CARRIED BY STORMWATER RUNOFF INTO THE STORM SEWER SYSTEM AT ANY TIME.
- SPILL PREVENTION AND CONTAINMENT MEASURES SHALL BE USED AT ALL STORAGE, EQUIPMENT FUELING, AND EQUIPMENT SERVICE AREAS SO AS TO CONTAIN ALL SPILLS AND PREVENT ANY SPILLED MATERIAL FROM ENTERING THE MSA, INCLUDING ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR FACILITY. BULK STORAGE STRUCTURES FOR PETROLEUM PRODUCTS AND FLAMMABLE LIQUIDS SHALL BE PROVIDED WITH SECONDARY CONTAINMENT. ALL SPILLS SHALL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY, OR CONTAINED UNTIL APPROPRIATE CLEANUP METHODS CAN BE USED. ALL MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP SHALL BE FOLLOWED, ALONG WITH PROPER DISPOSAL METHODS.
- SEDIMENT (MUD AND DIRT) TRANSPORTED OUTTO A PUBLIC ROAD, REGARDLESS OF THE SIZE OF THE SITE, SHALL BE CLEANED AS SOON AS POSSIBLE AFTER DISCOVERY.
- NO CHEMICALS ARE TO BE ADDED TO THE DISCHARGE UNLESS PERMISSION FOR THE USE OF A SPECIFIC CHEMICAL IS GRANTED BY THE STATE. IN GRANTING THE USE OF SUCH CHEMICALS, SPECIAL CONDITIONS AND MONITORING MAY BE REQUIRED.
- CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES, OR ANY DISTURBED LAND AREA SHALL BE COMPLETED WITHIN FOURTEEN (14) CALENDAR DAYS AFTER FINAL GRADING OR FINAL LAND DISTURBANCE HAS BEEN COMPLETED. DISTURBED AREAS WHICH ARE NOT AT FINAL GRADE BUT WILL REMAIN DORMANT FOR LONGER THAN FOURTEEN (14) DAYS SHALL BE ROUGHENED, MULCHED, TACKED, OR COVERED WITH TARPS WITHIN FOURTEEN (14) DAYS AFTER INTERIM GRADING. ANY MATERIAL GOING TO OR FROM AN INTERIOR LOT OR DRIVEWAY SHALL BE COVERED WITHIN SIXTY (60) DAYS SHALL ALSO BE SEEDS, UNLESS AN ALTERNATIVE STABILIZATION MEASURE IS ACCEPTED AT THE INSPECTOR'S DISCRETION. ALL TEMPORARY CONSTRUCTION CONTROL MEASURES SHALL BE MAINTAINED UNTIL PERMANENT STABILIZATION MEASURES ARE COMPLETED.
- THE GEC PLAN WILL SUBJECT TO RE-REVIEW AND RE-ACCEPTANCE BY THE STORMWATER ENTERPRISE SHOULD ANY CHANGES TO THE GRADING OR GRADING DOES NOT COMPLY WITHIN TWELVE (12) MONTHS OF THE CITY'S ACCEPTANCE OF THE PLAN. THE CONSTRUCTION SITE IS IDEAL FOR TWELVE (12) CONSECUTIVE MONTHS. A CHANGE IN PROPERTY OWNERSHIP OCCURS, THE PLANNED DEVELOPMENT CHANGES, OR ANY OTHER MAJOR MODIFICATIONS ARE PROPOSED AS DEFINED IN THE STORMWATER ENTERPRISE POLICY.
- IT IS NOT PERMISSIBLE FOR ANY PERSON TO MODIFY THE GRADE OF THE EARTH ON ANY UTILITY EASEMENT OR UTILITY RIGHT-OF-WAY WITHOUT WRITTEN APPROVAL OF THE UTILITY OWNER. CITY ACCEPTANCE OF THE GEC PLAN AND CSWMP DOES NOT SATISFY THIS REQUIREMENT. THE PLAN SHALL NOT INCREASE OR DIVERT WATER TOWARDS UTILITY FACILITIES, ANY UTILITY OR DRAINAGE FACILITY, OR ANY OTHER ADJACENT PROPERTY. THE PLAN MUST BE APPROVED BY THE AFFECTED UTILITY OWNER PRIOR TO IMPLEMENTING THE PLAN. THE COST TO RELOCATE OR PROTECT EXISTING UTILITIES OR TO PROVIDE INTERIOR ACCESS SHALL BE AT THE APPLICANTS.
- APPLICANT REPRESENTS AND WARRANTS THAT THEY HAVE THE LEGAL AUTHORITY TO GRADE AND/OR CONSTRUCT IMPROVEMENTS ON UTILITIES WHEN THE LIMITS OF DISTURBANCE MAY BE MOVED AFTER PLAN APPROVAL AS YIELD CHANGE. ADJACENT PROPERTY, AN APPROVED GEC PERMIT DOES NOT PROVIDE AUTHORIZATION FOR THE APPLICANT TO PERFORM WORK ON ADJACENT PROPERTY.
- ALL UTILITY INSTALLATION WITHIN THE LIMITS OF DISTURBANCE SHOWN ON THIS PLAN ARE COVERED UNDER THIS PLAN. ANY UTILITY INSTALLATION OUTSIDE THE LIMITS OF DISTURBANCE SHOWN ON THIS PLAN WILL BE COVERED UNDER A SEPARATE PLAN. UTILITY INSTALLATIONS RELATED TO THE PRIVATE DEVELOPMENT THAT EXTEND BEYOND THE LIMITS OF DISTURBANCE SHOWN ON THIS PLAN ARE COVERED UNDER A SEPARATE PLAN FOR DEVELOPMENT, AND THEREFORE REQUIRE A PLAN MODIFICATION OR SEPARATE PLAN FOR THE ADDITIONAL DISTURBANCE AREA.



Know what's below.
Call before you dig.

CSU GAS - MESA TO MANITOU
PHASES 5.2 & 5.3
GEC PLANS
STANDARD NOTES



PROJECT NO.
067607121

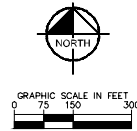
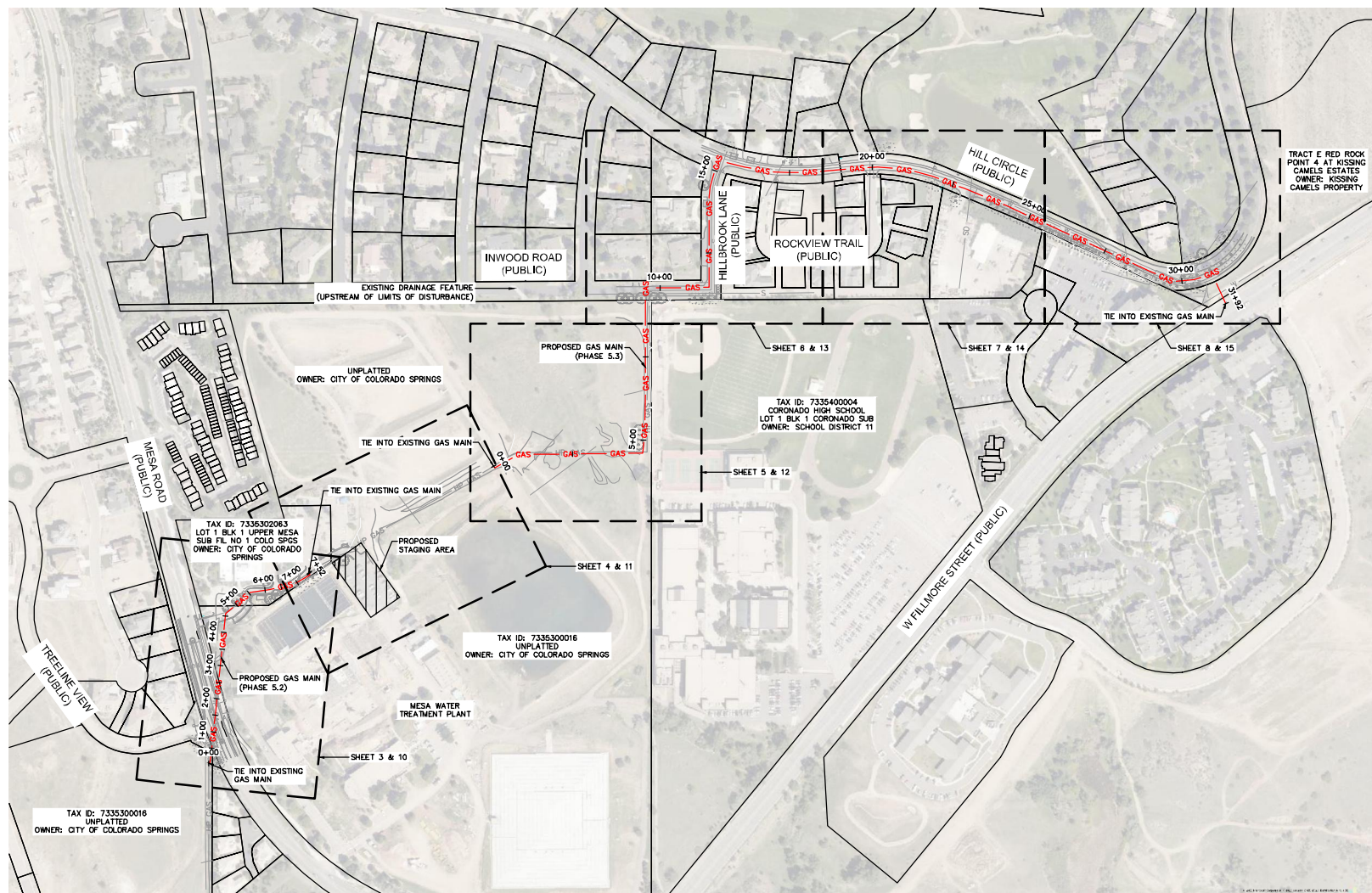
SHEET
2

2

Kimley»»Horn
2023 KIMLEY-HORN AND ASSOCIATES, INC.
2 North Nevada Avenue, Suite 900
Colorado Springs, Colorado 80903 (719) 451-0180

DESIGNED BY: KRM
DRAWN BY: RES
CHECKED BY: KRM
DATE: 8/31/23

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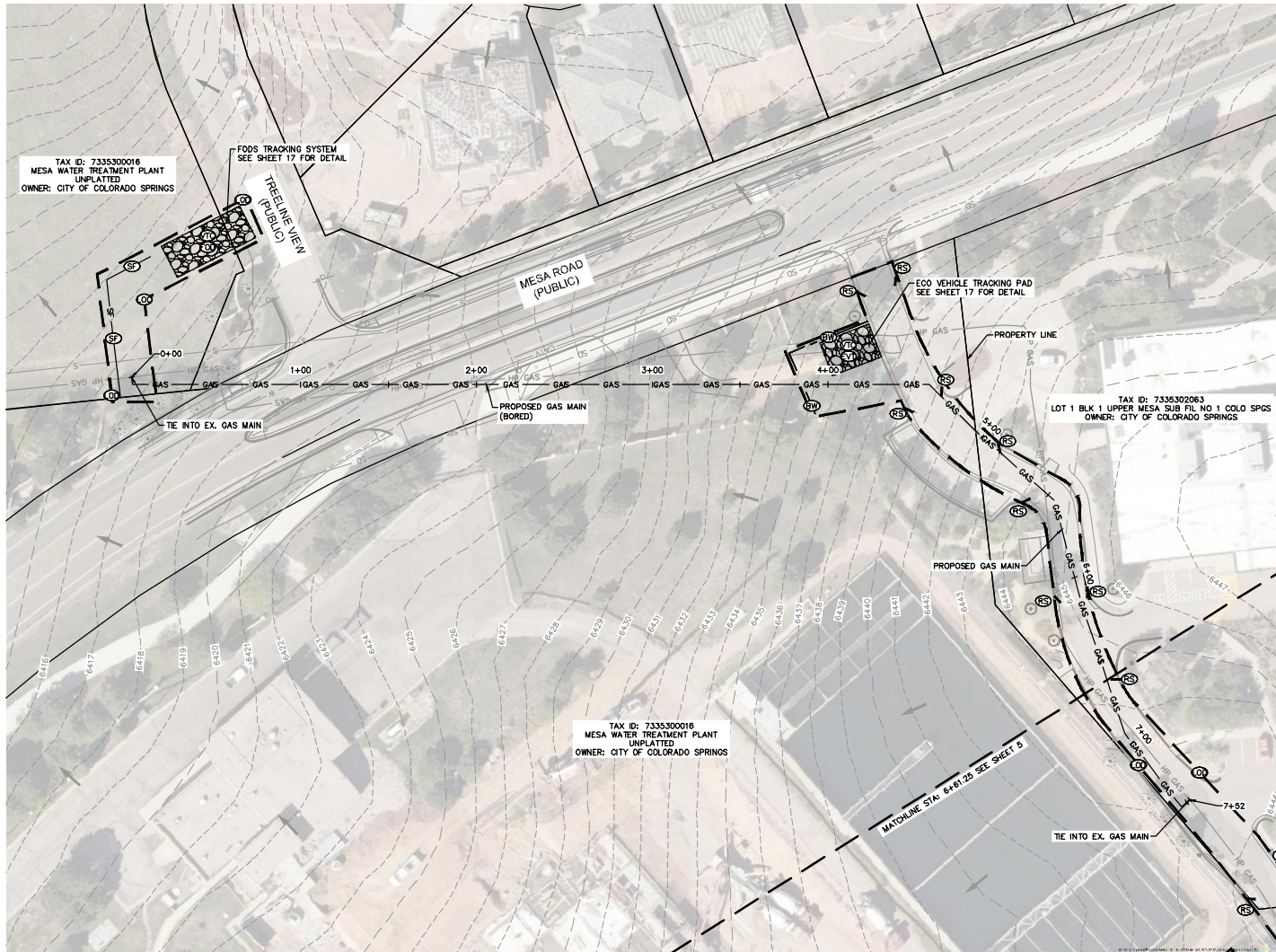
CSU GAS - MESA TO MANITOU
PHASE 5.2 & 5.3
GEC PLANS
INDEX SHEET



PROJECT NO.
087807121

SHEET
3

Kimley»Horn
2023 KIMLEY-HORN AND ASSOCIATES, INC.
2 North Nevada Avenue, Suite 900
Colorado Springs, Colorado 80903 (719) 453-0180
DESIGNED BY: KRK
DRAWN BY: RES
CHECKED BY: KRK
DATE: 8/31/23



LEGEND

| | |
|------------|------------------------------|
| — | PROPERTY LINE |
| — W — | EXISTING WATER MAIN |
| — S — | EXISTING SANITARY SEWER |
| — SD — | EXISTING STORM SEWER |
| — HP GAS — | EXISTING GAS LINE |
| — UGE — | EXISTING UNDG. ELECTRIC LINE |
| — CTY — | EXISTING COMM. LINE |
| — FO — | EXISTING FIBER OPTIC |
| — GAS — | PROPOSED GAS MAIN |

GEC LEGEND

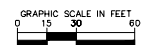
| | |
|----------|------------------------------------|
| — 0+00 — | LIMITS OF DISTURBANCE/CONSTRUCTION |
| — SF — | SILT FENCE |
| — SCL — | SEDIMENT CONTROL LOG |
| — BFW — | BLACK FABRIC WATTLE |
| — FWT — | FILTREX WATTLE |
| — RS — | ROCK SOCK |
| — CW — | CONCRETE WASHOUT |
| — VTC — | VEHICLE TRACKING CONTROL |
| — SSA — | STABILIZED STAGING AREA |
| — S — | STOCKPILING |

GEC NOTES

- SEE SHEET 16 FOR STANDARD COS STORMWATER ENTERPRISE DETAILS.
- THIS PLAN SHOWS BOTH INITIAL AND INTERIM BMP.
- NO IMPROVEMENTS ARE PROPOSED APART FROM THE PROPOSED GAS MAIN.
- CONTRACTOR SHALL MAINTAIN STABILIZED STAGING AREA (SSA), VEHICLE TRACKING CONTROL (VTC), AND CONCRETE WASHOUT AREA (CWA) AS SHOWN IN THE PLANS.
- CONTRACTOR SHALL UPDATE THE GEC PLANS IN THE FIELD TO INDICATE THE LOCATION OF THE SSA, VTC, CWA, AND CCM'S.
- CONTRACTOR TO USE TEMPORARY VTC SYSTEM SUCH AS FOOD COMPOSITE TRACKOUT CONTROL SYSTEM AND EVI AS SHOWN IN THE PLANS. SEE SHEET 17 FOR DETAIL.
- CONTRACTOR TO USE BLACK FABRIC WATTLE OR FILTREX WATTLE IN LIEU OF COLORADO SPRINGS STANDARD SEDIMENT CONTROL LOGS PER AS SHOWN IN THE PLANS. SEE SHEETS 18 & 19 FOR DETAILS.

LIMITS OF DISTURBANCE/CONSTRUCTION

| | |
|----------------------|---------------|
| ONSITE IMPROVEMENTS | = ±3.92 ACRES |
| OFFSITE IMPROVEMENTS | = ±0.00 ACRES |
| TOTAL | = ±3.92 ACRES |



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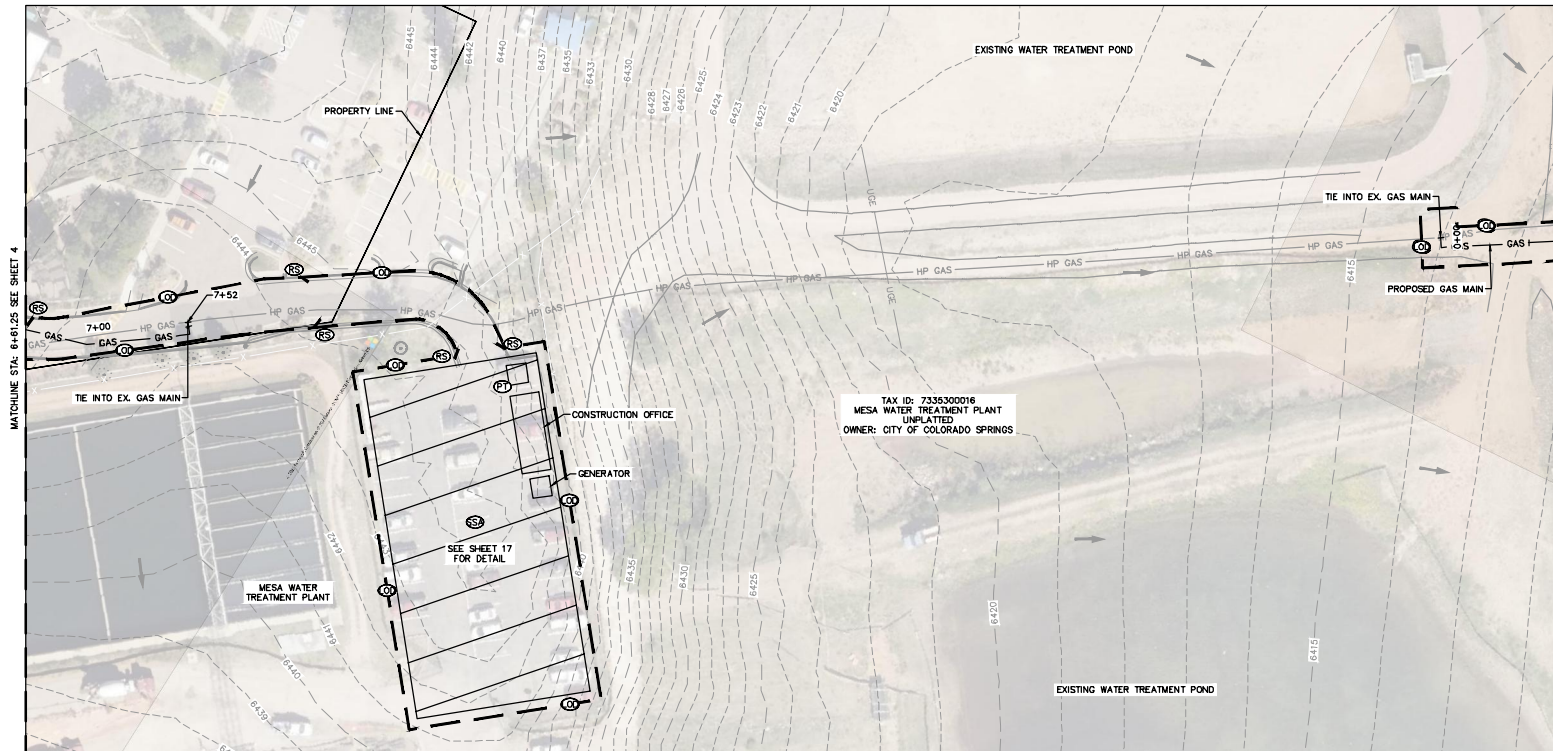
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DATE: 8/31/23

CSU GAS - MESA TO MANITOU
PHASE 5.2
GEC PLANS
INITIAL/INTERIM GEC PLAN



PROJECT NO.
087607121

SHEET
4



LEGEND

| | |
|-----|------------------------------|
| --- | PROPERTY LINE |
| --- | EXISTING WATER MAIN |
| --- | EXISTING SANITARY SEWER |
| --- | EXISTING STORM SEWER |
| --- | EXISTING GAS LINE |
| --- | EXISTING UNDO. ELECTRIC LINE |
| --- | EXISTING COMM. LINE |
| --- | EXISTING FIBER OPTIC |
| --- | PROPOSED GAS MAIN |

GEC LEGEND

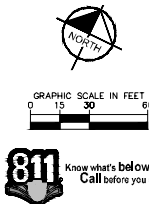
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|-----|------------------------------------|
| --- | LIMITS OF DISTURBANCE/CONSTRUCTION |
| --- | SILT FENCE |
| --- | SEDIMENT CONTROL LOG |
| --- | BLACK FABRIC WATTLE |
| --- | FILTREXX WATTLE |
| --- | ROCK SOCK |
| --- | CONCRETE WASHOUT |
| --- | VEHICLE TRACKING CONTROL |
| --- | STABILIZED STAGING AREA |
| --- | STOCKPILING |

GEC NOTES

- SEE SHEET 16 FOR STANDARD COS STORMWATER ENTERPRISE DETAILS.
- THIS PLAN SHOWS BOTH INITIAL AND INTERM BMP.
- NO IMPROVEMENTS ARE PROPOSED APART FROM THE PROPOSED GAS MAIN.
- CONTRACTOR SHALL MAINTAIN STABILIZED STAGING AREA (SSA), VEHICLE TRACKING CONTROL (VTC), AND CONCRETE WASHOUT AREA (CWA) AS SHOWN IN THE PLANS.
- CONTRACTOR SHALL UPDATE THE GEC PLANS IN THE FIELD TO INDICATE THE LOCATION OF THE SSA, VTC, CWA, AND COMS.
- CONTRACTOR TO USE TEMPORARY VTC SYSTEM SUCH AS FODS COMPOSITE TRACKOUT CONTROL SYSTEM AND EMT AS SHOWN IN THE PLANS. SEE SHEET 17 FOR DETAIL.
- CONTRACTOR TO USE BLACK FABRIC WATTLE OR FILTREXX WATTLE IN LIEU OF COLORADO SPRINGS STANDARD SEDIMENT CONTROL LOGS PER AS SHOWN IN THE PLANS. SEE SHEETS 18 & 19 FOR DETAILS.

LIMITS OF DISTURBANCE

| | |
|----------------------|---------------|
| ONSITE IMPROVEMENTS | = ±3.92 ACRES |
| OFFSITE IMPROVEMENTS | = ±0.00 ACRES |
| TOTAL | = ±3.92 ACRES |



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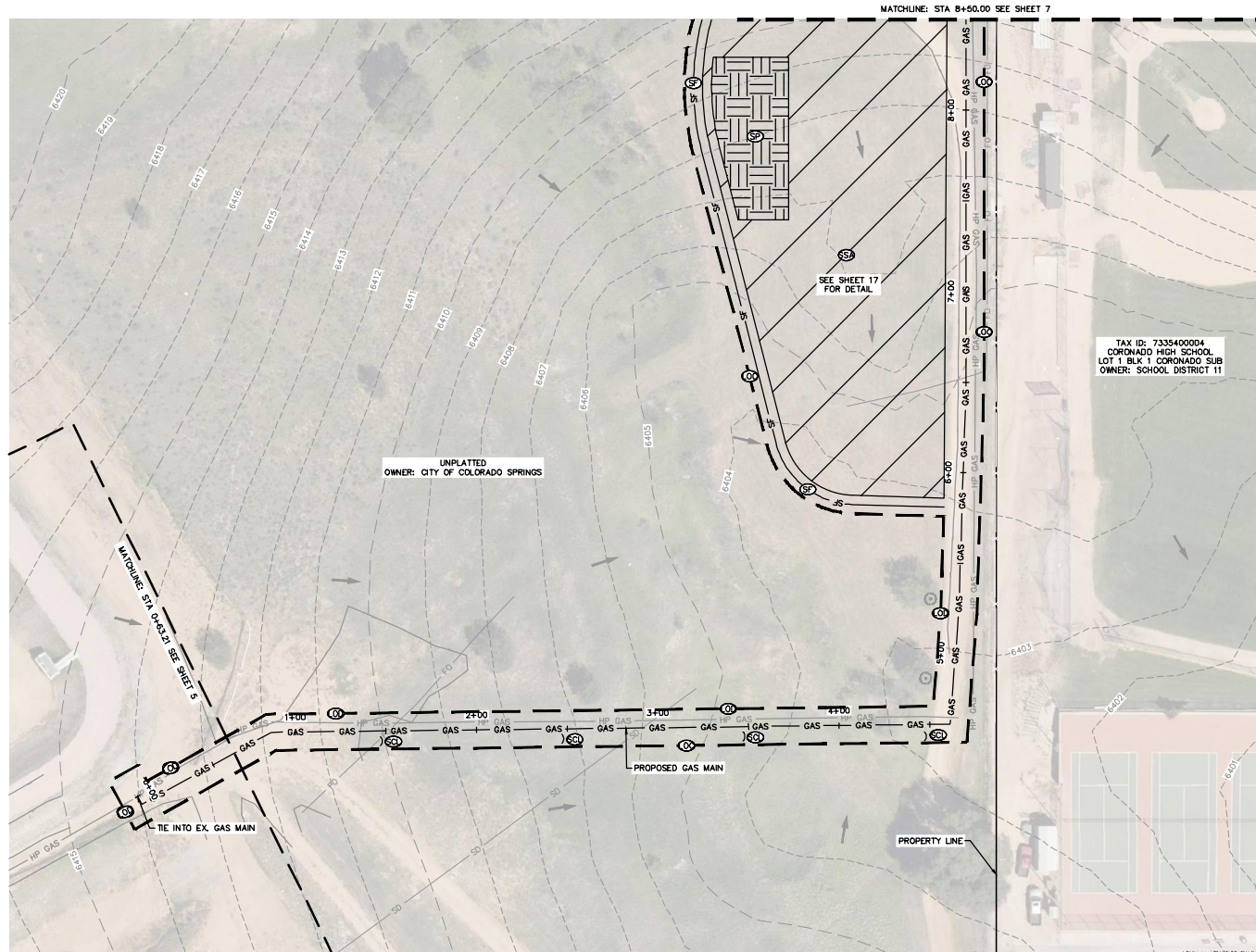
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CHECKED BY: KRK
DATE: 8/31/23

CSU GAS - MESA TO MANITOU
PHASE 5.2 & 5.3
GEC PLANS
INITIAL/INTERIM GEC PLAN



PROJECT NO.
067607121

SHEET
5



LEGEND

| | |
|---------|------------------------------|
| — | PROPERTY LINE |
| W | EXISTING WATER MAIN |
| S | EXISTING SANITARY SEWER |
| SD | EXISTING STORM SEWER |
| HP GAS | EXISTING GAS LINE |
| UGS | EXISTING UNDG. ELECTRIC LINE |
| CTV | EXISTING COMM. LINE |
| FO | EXISTING FIBER OPTIC |
| — GAS — | PROPOSED GAS MAIN |

GEC LEGEND

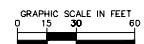
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|---------|------------------------------------|
| — (X) — | LIMITS OF DISTURBANCE/CONSTRUCTION |
| — (S) — | SILT FENCE |
| — (S) — | SEDIMENT CONTROL LOG |
| — (B) — | BLACK FABRIC WATTLE |
| — (F) — | FILTREX WATTLE |
| — (R) — | ROCK SOCK |
| — (C) — | CONCRETE WASHOUT |
| — (V) — | VEHICLE TRACKING CONTROL |
| — (S) — | STABILIZED STAGING AREA |
| — (S) — | STOCKPILING |

GEC NOTES

1. SEE SHEET 16 FOR STANDARD COS STORMWATER ENTERPRISE DETAILS.
2. THIS PLAN SHOWS BOTH INITIAL AND INTERIM BMP.
3. NO IMPROVEMENTS ARE PROPOSED APART FROM THE PROPOSED GAS MAIN.
4. CONTRACTOR SHALL MAINTAIN STABILIZED STAGING AREA (SSA), VEHICLE TRACKING CONTROL (VTC), AND CONCRETE WASHOUT AREA (CWA) AS SHOWN IN THE PLANS.
5. CONTRACTOR SHALL UPDATE THE GEC PLANS IN THE FIELD TO INDICATE THE LOCATION OF THE SSA, VTC, CWA, AND CCM'S.
6. CONTRACTOR TO USE TEMPORARY VTC SYSTEM SUCH AS FODS COMPOSITE TRACKOUT CONTROL SYSTEM AND EVT AS SHOWN IN THE PLANS. SEE SHEET 17 FOR DETAIL.
7. CONTRACTOR TO USE BLACK FABRIC WATTLE OR FILTREX WATTLE IN LIEU OF COLORADO SPRINGS STANDARD SEDIMENT CONTROL LOGS PER AS SHOWN IN THE PLANS. SEE SHEETS 16 & 17 FOR DETAILS.

LIMITS OF DISTURBANCE/CONSTRUCTION

| | |
|----------------------|---------------|
| ONSITE IMPROVEMENTS | = ±3.92 ACRES |
| OFFSITE IMPROVEMENTS | = ±0.00 ACRES |
| TOTAL | = ±3.92 ACRES |



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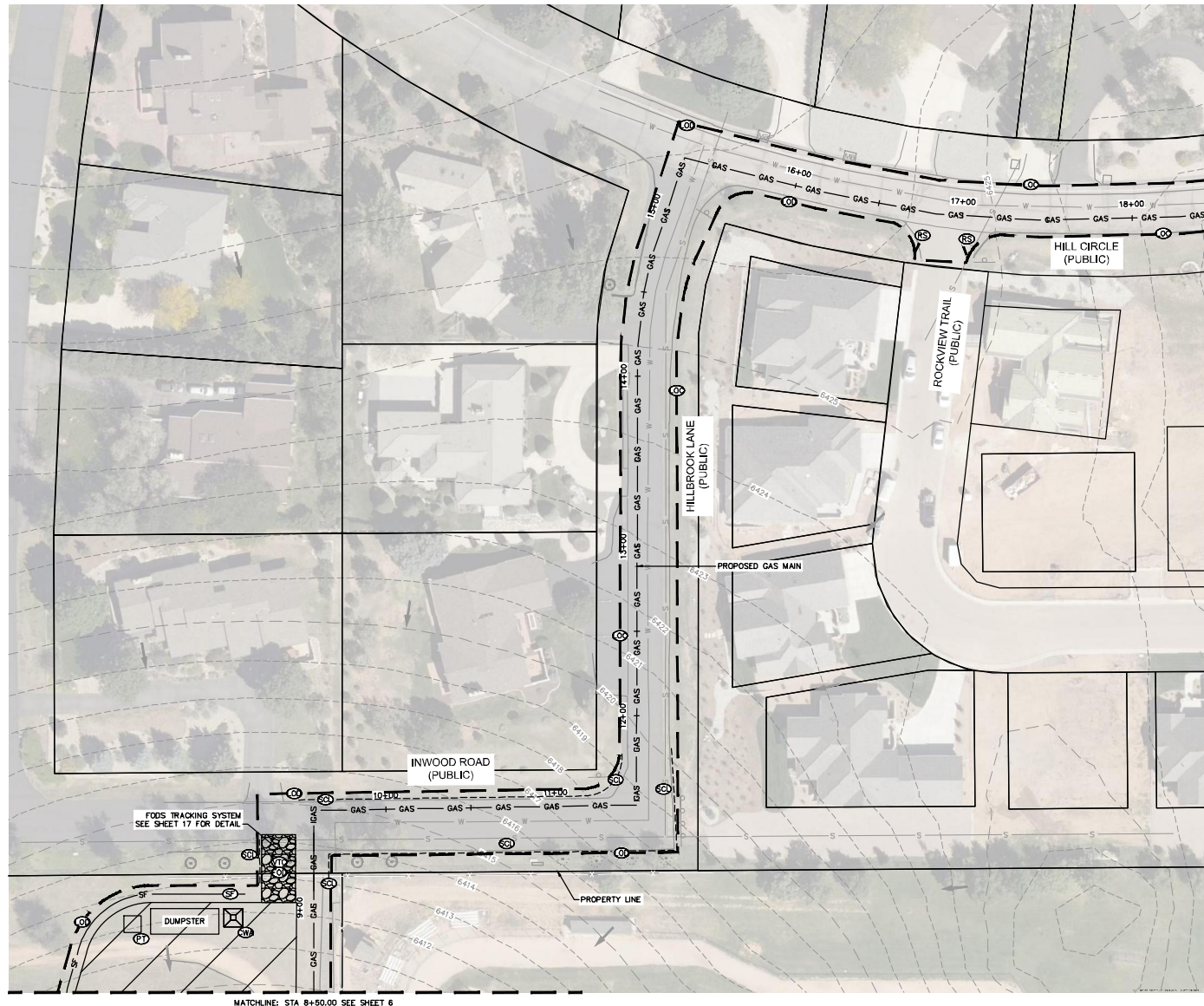
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CHECKED BY: KMK
DATE: 8/31/23

CSU GAS - MESA TO MANITOU
PHASE 5.3
GEC PLANS
INITIAL/INTERIM GEC PLAN



PROJECT NO.
087607121

SHEET
6



LEGEND

| | |
|---------|------------------------------|
| — | PROPERTY LINE |
| W | EXISTING WATER MAIN |
| S | EXISTING SANITARY SEWER |
| SD | EXISTING STORM SEWER |
| HP GAS | EXISTING GAS LINE |
| UGE | EXISTING UNDG. ELECTRIC LINE |
| CTV | EXISTING COMM. LINE |
| FO | EXISTING FIBER OPTIC |
| — GAS — | PROPOSED GAS MAIN |

GEC LEGEND

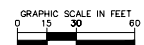
| | |
|----|------------------------------------|
| — | LIMITS OF DISTURBANCE/CONSTRUCTION |
| SF | SILT FENCE |
| — | SEDIMENT CONTROL LOG |
| — | BLACK FABRIC WATTLE |
| — | FILTREX WATTLE |
| — | ROCK SOCK |
| — | CONCRETE WASHOUT |
| — | VEHICLE TRACKING CONTROL |
| — | STABILIZED STAGING AREA |
| — | STOCKPILING |

GEC NOTES

- SEE SHEET 16 FOR STANDARD COS STORMWATER ENTERPRISE DETAILS.
- THIS PLAN SHOWS BOTH INITIAL AND INTERIM BMP.
- NO IMPROVEMENTS ARE PROPOSED APART FROM THE PROPOSED GAS MAIN.
- CONTRACTOR SHALL MAINTAIN STABILIZED STAGING AREA (SSA), VEHICLE TRACKING CONTROL (VTC), AND CONCRETE WASHOUT AREA (CWA) AS SHOWN IN THE PLANS.
- CONTRACTOR SHALL UPDATE THE GEC PLANS IN THE FIELD TO INDICATE THE LOCATION OF THE SSA, VTC, CWA, AND CCM'S.
- CONTRACTOR TO USE TEMPORARY VTC SYSTEM SUCH AS FOOD COMPOSITE TRACKOUT CONTROL SYSTEM AND EVI AS SHOWN IN THE PLANS. SEE SHEET 17 FOR DETAIL.
- CONTRACTOR TO USE BLACK FABRIC WATTLE OR FILTREX WATTLE IN LIEU OF COLORADO SPRINGS STANDARD SEDIMENT CONTROL LOGS PER AS SHOWN IN THE PLANS. SEE SHEETS 18 & 19 FOR DETAILS.

LIMITS OF DISTURBANCE/CONSTRUCTION

| | |
|----------------------|---------------|
| ONSITE IMPROVEMENTS | = ±3.92 ACRES |
| OFFSITE IMPROVEMENTS | = ±0.00 ACRES |
| TOTAL | = ±3.92 ACRES |



Know what's below.
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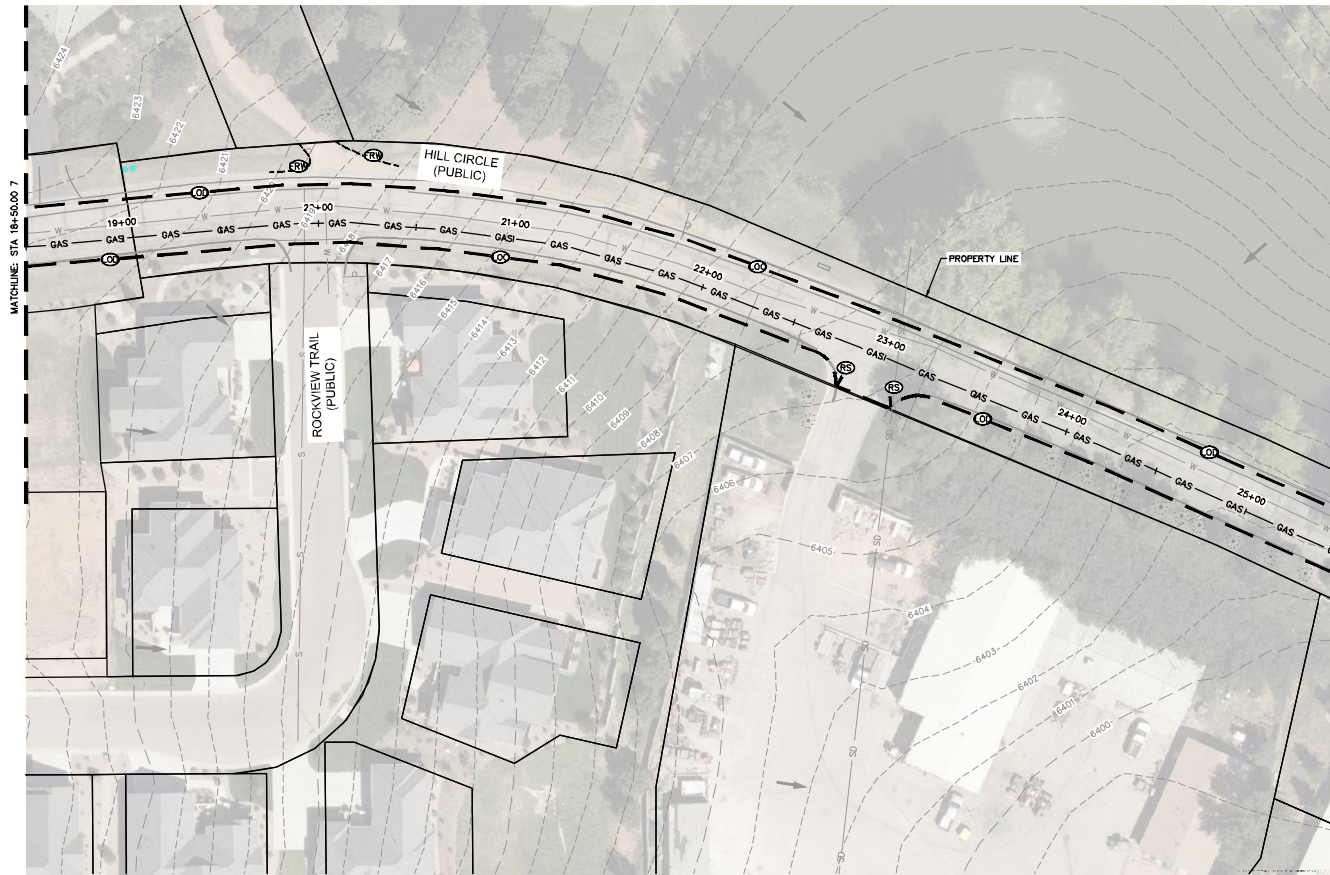
CSU GAS - MESA TO MANITOU
PHASE 5.3
GEC PLANS
INITIAL/INTERIM GEC PLAN



PROJECT NO.
067607121

SHEET

7



LEGEND

| | |
|------------|------------------------------|
| — | PROPERTY LINE |
| — W — | EXISTING WATER MAIN |
| — S — | EXISTING SANITARY SEWER |
| — SD — | EXISTING STORM SEWER |
| — HP GAS — | EXISTING GAS LINE |
| — UGE — | EXISTING UNDG. ELECTRIC LINE |
| — CTY — | EXISTING COMM. LINE |
| — FO — | EXISTING FIBER OPTIC |
| — GAS — | PROPOSED GAS MAIN |

GEC LEGEND

| | |
|-------------|------------------------------------|
| — (X) (X) — | LIMITS OF DISTURBANCE/CONSTRUCTION |
| — SF — | SILT FENCE |
| — (S) — | SEDIMENT CONTROL LOG |
| — (BF) — | BLACK FABRIC WATTLE |
| — (F) — | FILTREXX WATTLE |
| — (RS) — | ROCK SOCK |
| — (CW) — | CONCRETE WASHOUT |
| — (VTC) — | VEHICLE TRACKING CONTROL |
| — (SSA) — | STABILIZED STAGING AREA |
| — (S) — | STOCKPILING |

GEC NOTES

1. SEE SHEET 16 FOR STANDARD COS STORMWATER ENTERPRISE DETAILS.
2. THIS PLAN SHOWS BOTH INITIAL AND INTERIM BMP.
3. NO IMPROVEMENTS ARE PROPOSED APART FROM THE PROPOSED GAS MAIN.
4. CONTRACTOR SHALL MAINTAIN STABILIZED STAGING AREA (SSA), VEHICLE TRACKING CONTROL (VTC), AND CONCRETE WASHOUT AREA (CWA) AS SHOWN IN THE PLANS.
5. CONTRACTOR SHALL UPDATE THE GEC PLANS IN THE FIELD TO INDICATE THE LOCATION OF THE SSA, VTC, CWA, AND COM'S.
6. CONTRACTOR TO USE TEMPORARY VTC SYSTEM SUCH AS FODS COMPOSITE TRACKOUT CONTROL SYSTEM AND EVT AS SHOWN IN THE PLANS. SEE SHEET 17 FOR DETAIL.
7. CONTRACTOR TO USE BLACK FABRIC WATTLE OR FILTREXX WATTLE IN LIEU OF COLORADO SPRINGS STANDARD SEDIMENT CONTROL LOGS PER AS SHOWN IN THE PLANS. SEE SHEETS 18 & 19 FOR DETAILS.

LIMITS OF DISTURBANCE/CONSTRUCTION

| | |
|----------------------|---------------|
| ONSITE IMPROVEMENTS | = ±3.92 ACRES |
| OFFSITE IMPROVEMENTS | = ±0.00 ACRES |
| TOTAL | = ±3.92 ACRES |



GRAPHIC SCALE IN FEET
0 15 30 60



Kimley-Horn

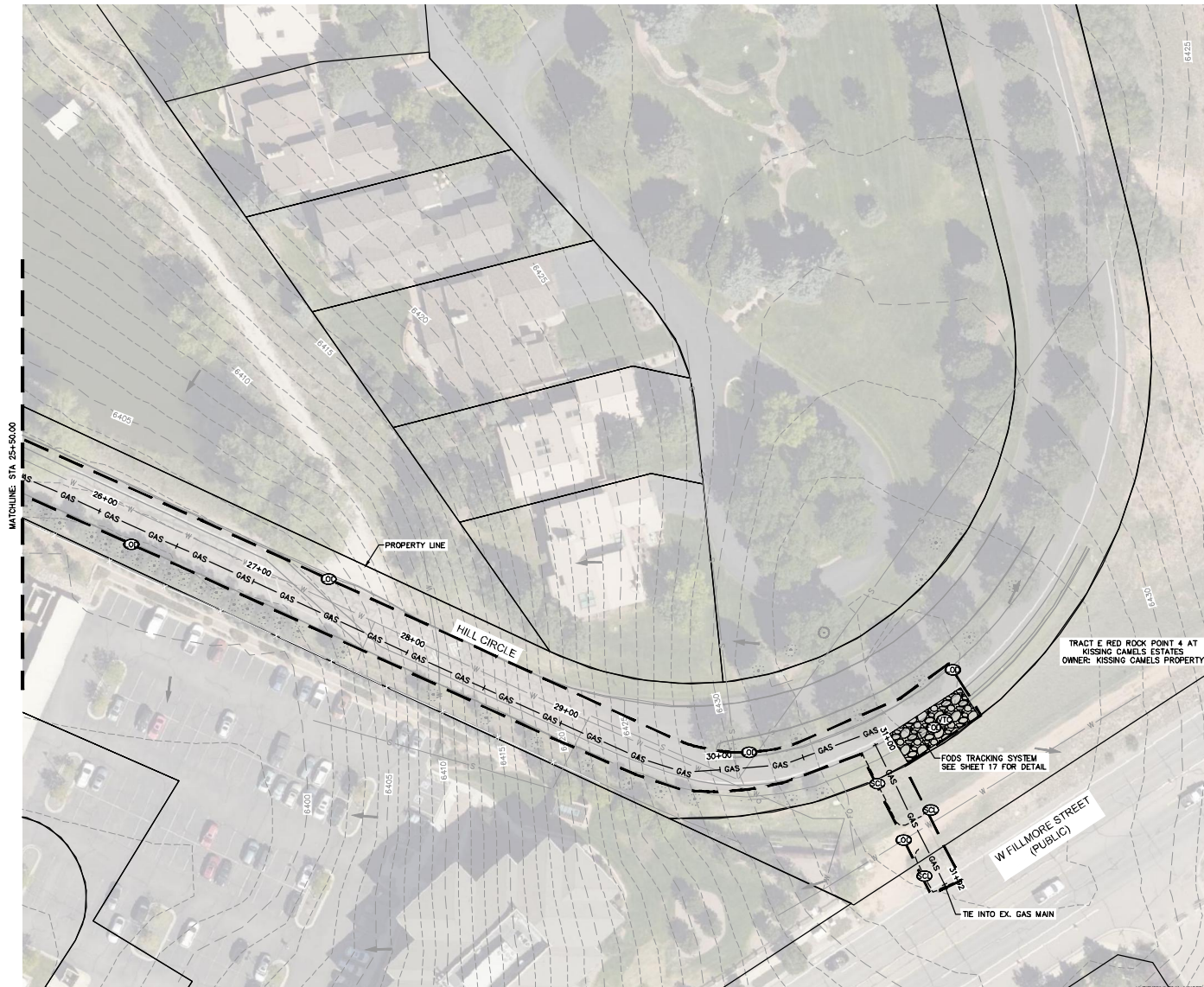
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CSU GAS - MESA TO MANITOU
PHASE 5.3
GEC PLANS
INITIAL/INTERIM GEC PLAN



PROJECT NO.
067607121

SHEET
8



LEGEND

| | |
|------------|------------------------------|
| — | PROPERTY LINE |
| — W — | EXISTING WATER MAIN |
| — S — | EXISTING SANITARY SEWER |
| — SD — | EXISTING STORM SEWER |
| — HP GAS — | EXISTING GAS LINE |
| — UGE — | EXISTING UNDG. ELECTRIC LINE |
| — CTV — | EXISTING COMM. LINE |
| — FO — | EXISTING FIBER OPTIC |
| — GAS — | PROPOSED GAS MAIN |

GEC LEGEND

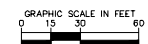
| | |
|-----------|------------------------------------|
| — (X) — | LIMITS OF DISTURBANCE/CONSTRUCTION |
| — SF — | SILT FENCE |
| — (S) — | SEDIMENT CONTROL LOG |
| — (BF) — | BLACK FABRIC WATTLE |
| — (F) — | FILTREXX WATTLE |
| — (RS) — | ROCK SOCK |
| — (C) — | CONCRETE WASHOUT |
| — (VTC) — | VEHICLE TRACKING CONTROL |
| — (SSA) — | STABILIZED STAGING AREA |
| — (S) — | STOCKPILING |

GEC NOTES

1. SEE SHEET 16 FOR STANDARD COS STORMWATER ENTERPRISE DETAILS.
2. THIS PLAN SHOWS BOTH INITIAL AND INTERIM BMP.
3. NO IMPROVEMENTS ARE PROPOSED APART FROM THE PROPOSED GAS MAIN.
4. CONTRACTOR SHALL MAINTAIN STABILIZED STAGING AREA (SSA), VEHICLE TRACKING CONTROL (VTC), AND CONCRETE WASHOUT AREA (CWA) AS SHOWN IN THE PLANS.
5. CONTRACTOR SHALL UPDATE THE GEC PLANS IN THE FIELD TO INDICATE THE LOCATION OF THE SSA, VTC, CWA, AND CCM'S.
6. CONTRACTOR TO USE TEMPORARY VTC SYSTEM SUCH AS FOOD COMPOSITE TRACKOUT CONTROL SYSTEM AND EVI AS SHOWN IN THE PLANS. SEE SHEET 17 FOR DETAIL.
7. CONTRACTOR TO USE BLACK FABRIC WATTLE OR FILTREXX WATTLE IN LIEU OF COLORADO SPRINGS STANDARD SEDIMENT CONTROL LOGS PER AS SHOWN IN THE PLANS. SEE SHEETS 16 & 19 FOR DETAILS.

LIMITS OF DISTURBANCE/CONSTRUCTION

| | |
|----------------------|---------------|
| ONSITE IMPROVEMENTS | = ±3.92 ACRES |
| OFFSITE IMPROVEMENTS | = ±0.00 ACRES |
| TOTAL | = ±3.92 ACRES |



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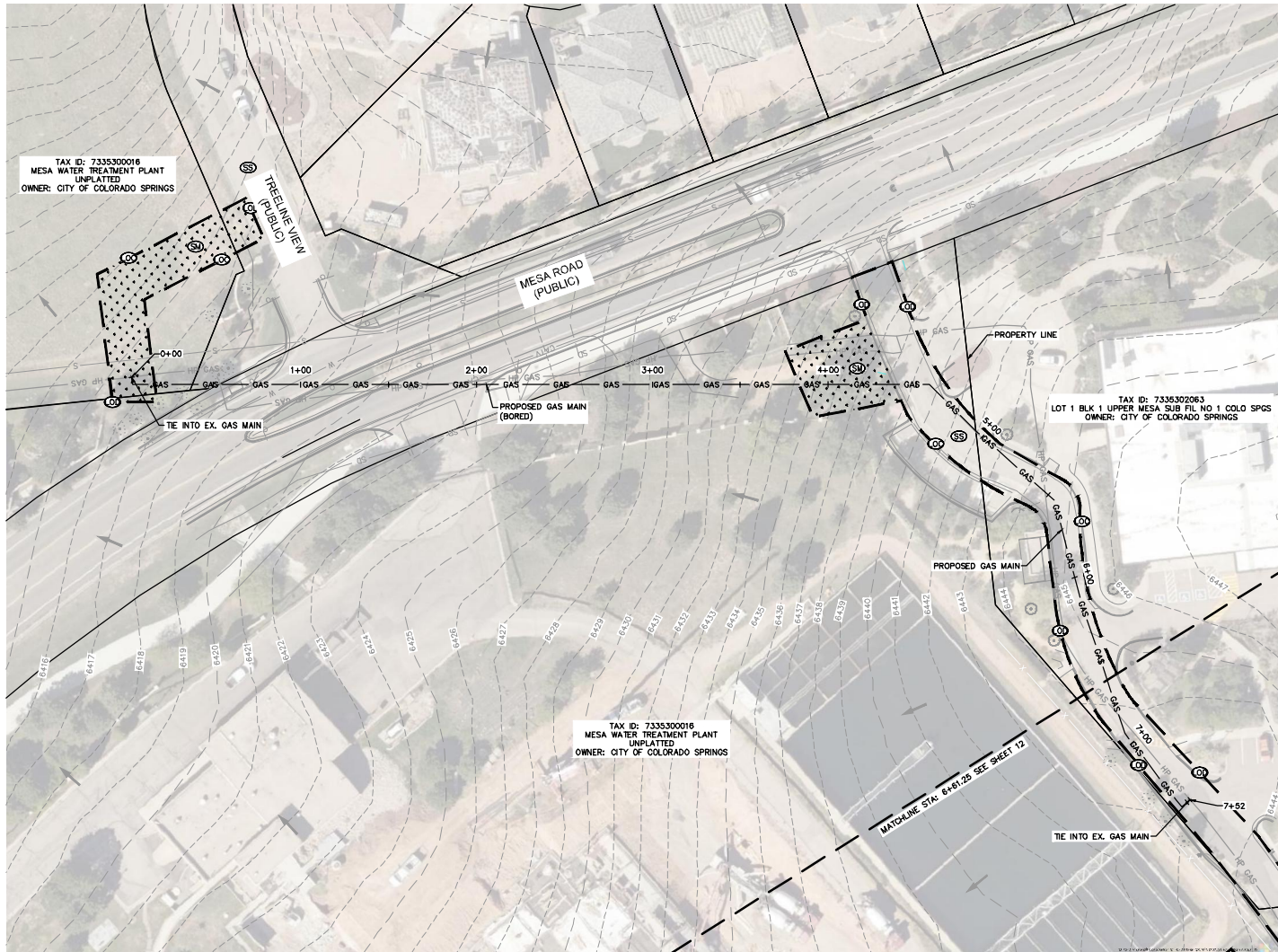
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DATE: 8/31/23

CSU GAS - MESA TO MANITOU
PHASE 5.3
GEC PLANS
INITIAL/INTERIM GEC PLAN



PROJECT NO.
067607121

SHEET
9



LEGEND

| | |
|------------|------------------------------|
| — | PROPERTY LINE |
| — W — | EXISTING WATER MAIN |
| — S — | EXISTING SANITARY SEWER |
| — SD — | EXISTING STORM SEWER |
| — HP GAS — | EXISTING GAS LINE |
| — UGE — | EXISTING UNDG. ELECTRIC LINE |
| — CTY — | EXISTING COMM. LINE |
| — FO — | EXISTING FIBER OPTIC |
| — GAS — | PROPOSED GAS MAIN |

GEC LEGEND

| | |
|---|------------------------------------|
| — | LIMITS OF DISTURBANCE/CONSTRUCTION |
| — | SEEDING AND MULCHING |
| — | STREET SWEEPING |

GEC NOTES

- SEE SHEET 16 FOR STANDARD CDS STORMWATER ENTERPRISE DETAILS.
- THIS PLAN SHOWS FINAL CCM'S.
- NO IMPROVEMENTS ARE PROPOSED APART FROM THE PROPOSED GAS MAIN.
- NO GRADING IS PROPOSED FOR THE PROJECT. PROPOSED GRADE = EXISTING GRADE.
- CONTRACTOR SHALL MAINTAIN STABILIZED STAGING AREA (SSA), VEHICLE TRACKING CONTROL (VTC), AND CONCRETE WASHOUT AREA (CWA) AS SHOWN IN THE PLANS UNTIL FINAL STABILIZATION IS ACHIEVED.
- CONTRACTOR SHALL UPDATE THE GEC PLANS IN THE FIELD TO INDICATE THE LOCATION OF THE SSA, VTC, CWA, AND CCM'S.

LIMITS OF DISTURBANCE / CONSTRUCTION

| | |
|----------------------|---------------|
| ONSITE IMPROVEMENTS | = ±3.92 ACRES |
| OFFSITE IMPROVEMENTS | = ±0.00 ACRES |
| TOTAL | = ±3.92 ACRES |



GRAPHIC SCALE IN FEET
0 15 30 60



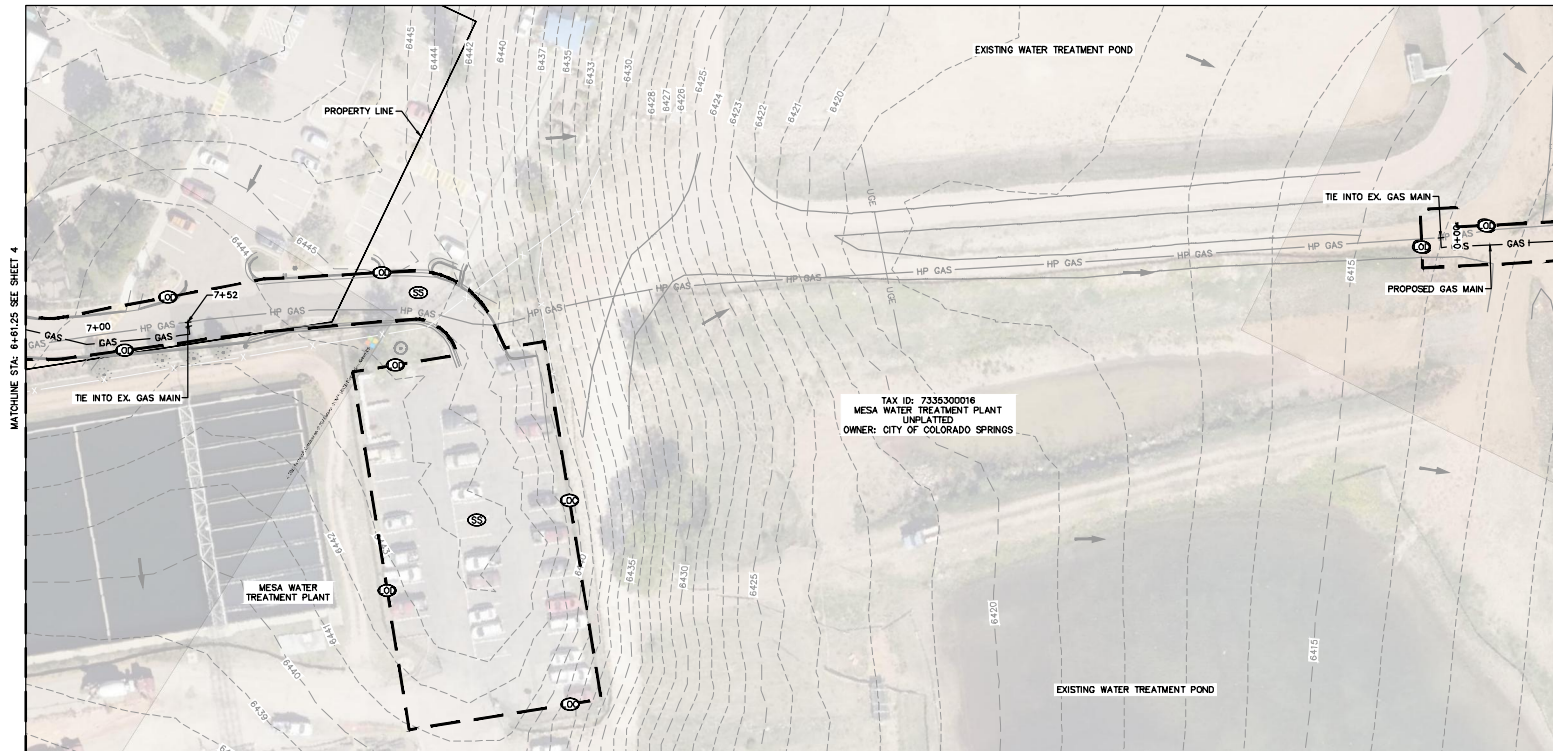
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CSU GAS - MESA TO MANITOU
PHASE 5.2
GEC PLANS
FINAL GEC PLAN



PROJECT NO.
067607121

SHEET
10



MATCHLINE STA: 6+48.25 SEE SHEET 4

MATCHLINE STA: 6+43.21 SEE SHEET 6

LEGEND

| | |
|-----|------------------------------|
| --- | PROPERTY LINE |
| --- | EXISTING WATER MAIN |
| --- | EXISTING SANITARY SEWER |
| --- | EXISTING STORM SEWER |
| --- | EXISTING GAS LINE |
| --- | EXISTING UNDO. ELECTRIC LINE |
| --- | EXISTING COMM. LINE |
| --- | EXISTING FIBER OPTIC |
| --- | PROPOSED GAS MAIN |

GEC LEGEND

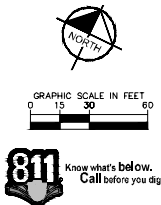
| | |
|-----|------------------------------------|
| --- | LIMITS OF DISTURBANCE/CONSTRUCTION |
| --- | SEEDING AND MULCHING |
| --- | STREET SWEEPING |

GEC NOTES

- SEE SHEET 16 FOR STANDARD COS STORMWATER ENTERPRISE DETAILS
- THIS PLAN SHOWS FINAL COM'S
- NO IMPROVEMENTS ARE PROPOSED APART FROM THE PROPOSED GAS MAIN
- NO GRADING IS PROPOSED FOR THE PROJECT. PROPOSED GRADE = EXISTING GRADE.
- CONTRACTOR SHALL MAINTAIN STABILIZED STAGING AREA (SSA), VEHICLE TRACKING CONTROL (VTC), AND CONCRETE WASHOUT AREA (CWA) AS SHOWN IN THE PLANS UNTIL FINAL STABILIZATION IS ACHIEVED.
- CONTRACTOR SHALL UPDATE THE GEC PLANS IN THE FIELD TO INDICATE THE LOCATION OF THE SSA, VTC, CWA, AND COM'S.

LIMITS OF DISTURBANCE / CONSTRUCTION

| | |
|----------------------|---------------|
| ONSITE IMPROVEMENTS | = ±3.92 ACRES |
| OFFSITE IMPROVEMENTS | = ±0.00 ACRES |
| TOTAL | = ±3.92 ACRES |



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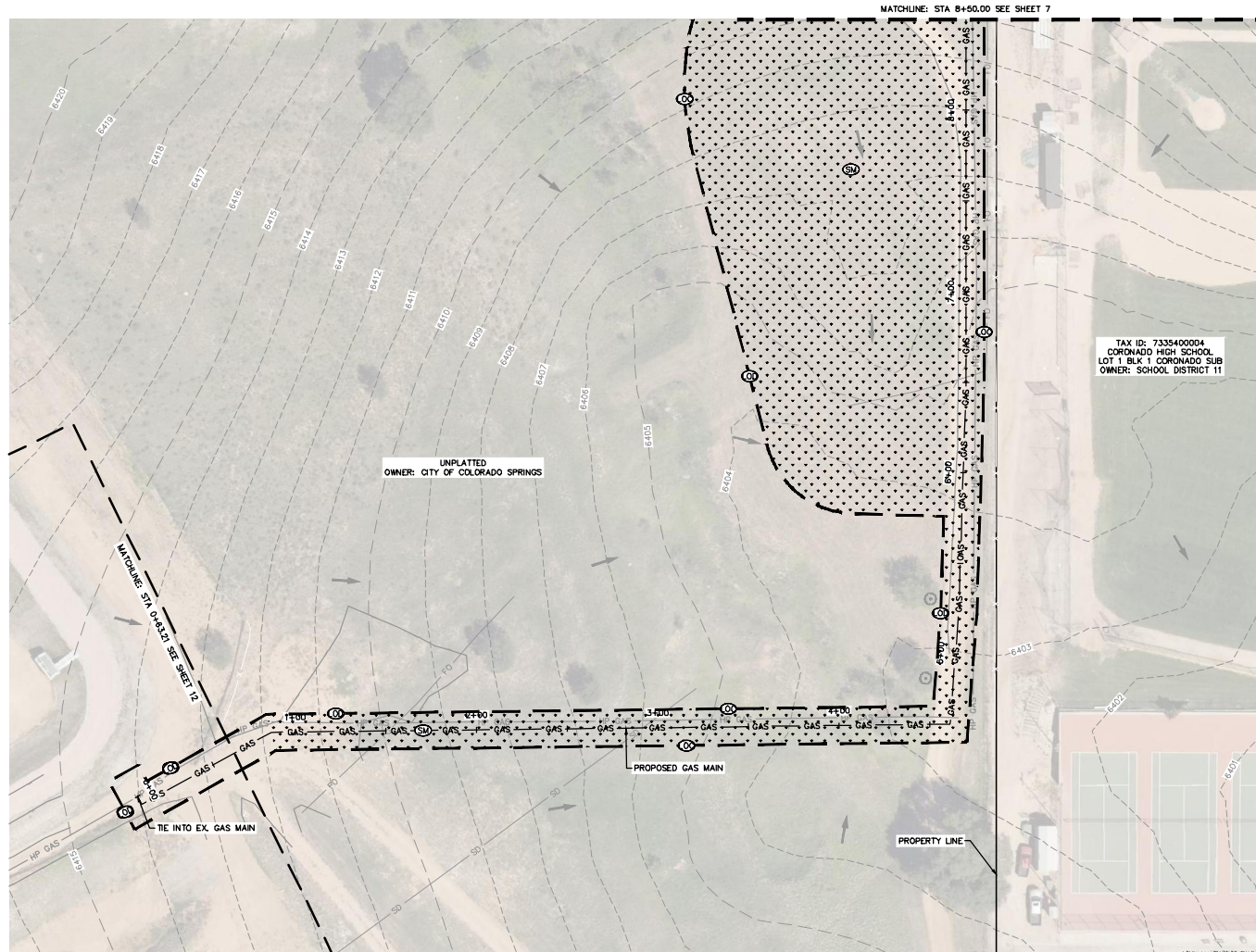
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CSU GAS - MESA TO MANITOU
PHASE 5.2 & 5.3
GEC PLANS
FINAL GEC PLAN



PROJECT NO.
067607121

SHEET
11



LEGEND

| | |
|------------|------------------------------|
| — | PROPERTY LINE |
| — W — | EXISTING WATER MAIN |
| — S — | EXISTING SANITARY SEWER |
| — SD — | EXISTING STORM SEWER |
| — HP GAS — | EXISTING GAS LINE |
| — UGE — | EXISTING UNDG. ELECTRIC LINE |
| — CTY — | EXISTING COMM. LINE |
| — FO — | EXISTING FIBER OPTIC |
| — GAS — | PROPOSED GAS MAIN |

GEC LEGEND

| | |
|---|------------------------------------|
| — | LIMITS OF DISTURBANCE/CONSTRUCTION |
| — | SEEDING AND MULCHING |
| — | STREET SWEEPING |

GEC NOTES

1. SEE SHEET 16 FOR STANDARD CDS STORMWATER ENTERPRISE DETAILS.
2. THIS PLAN SHOWS FINAL CCM'S.
3. NO IMPROVEMENTS ARE PROPOSED APART FROM THE PROPOSED GAS MAIN.
4. NO GRADING IS PROPOSED FOR THE PROJECT. PROPOSED GRADE = EXISTING GRADE.
5. CONTRACTOR SHALL MAINTAIN STABILIZED STAGING AREA (SSA), VEHICLE TRACKING CONTROL (VTC), AND CONCRETE WASHOUT AREA (CWA) AS SHOWN IN THE PLANS UNTIL FINAL STABILIZATION IS ACHIEVED.
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LIMITS OF DISTURBANCE / CONSTRUCTION

| | |
|----------------------|---------------|
| ONSITE IMPROVEMENTS | = ±3.92 ACRES |
| OFFSITE IMPROVEMENTS | = ±0.00 ACRES |
| TOTAL | = ±3.92 ACRES |



GRAPHIC SCALE IN FEET
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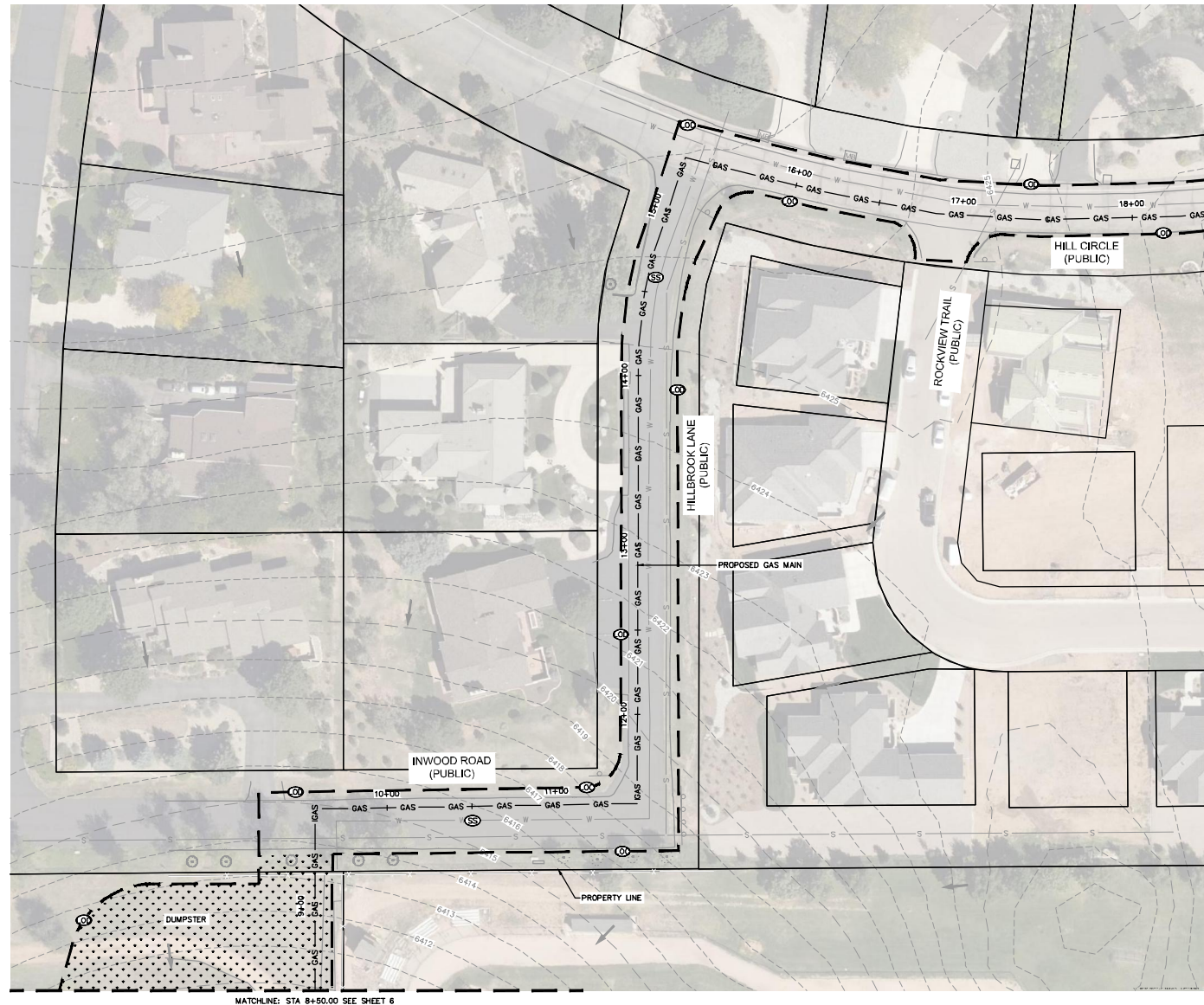
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CHECKED BY: KRK
DATE: 8/31/23

CSU GAS - MESA TO MANITOU
PHASE 5.3
GEC PLANS
FINAL GEC PLAN



PROJECT NO.
067607121

SHEET
12



LEGEND

| | |
|---------------|------------------------------|
| — | PROPERTY LINE |
| — W — | EXISTING WATER MAIN |
| — S — | EXISTING SANITARY SEWER |
| — SD — | EXISTING STORM SEWER |
| — HP GAS — | EXISTING GAS LINE |
| — UGE — | EXISTING UNDG. ELECTRIC LINE |
| — CTW — | EXISTING COMM. LINE |
| — FO — | EXISTING FIBER OPTIC |
| — GAS — GAS — | PROPOSED GAS MAIN |

GEC LEGEND

| | |
|---|------------------------------------|
| — | LIMITS OF DISTURBANCE/CONSTRUCTION |
| — | SEEDING AND MULCHING |
| — | STREET SWEEPING |

GEC NOTES

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2. THIS PLAN SHOWS FINAL CCM'S.
3. NO IMPROVEMENTS ARE PROPOSED APART FROM THE PROPOSED GAS MAIN.
4. NO GRADING IS PROPOSED FOR THE PROJECT. PROPOSED GRADE = EXISTING GRADE.
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LIMITS OF DISTURBANCE / CONSTRUCTION

| | |
|----------------------|---------------|
| ONSITE IMPROVEMENTS | = ±3.92 ACRES |
| OFFSITE IMPROVEMENTS | = ±0.00 ACRES |
| TOTAL | = ±3.92 ACRES |



GRAPHIC SCALE IN FEET
0 15 30 60



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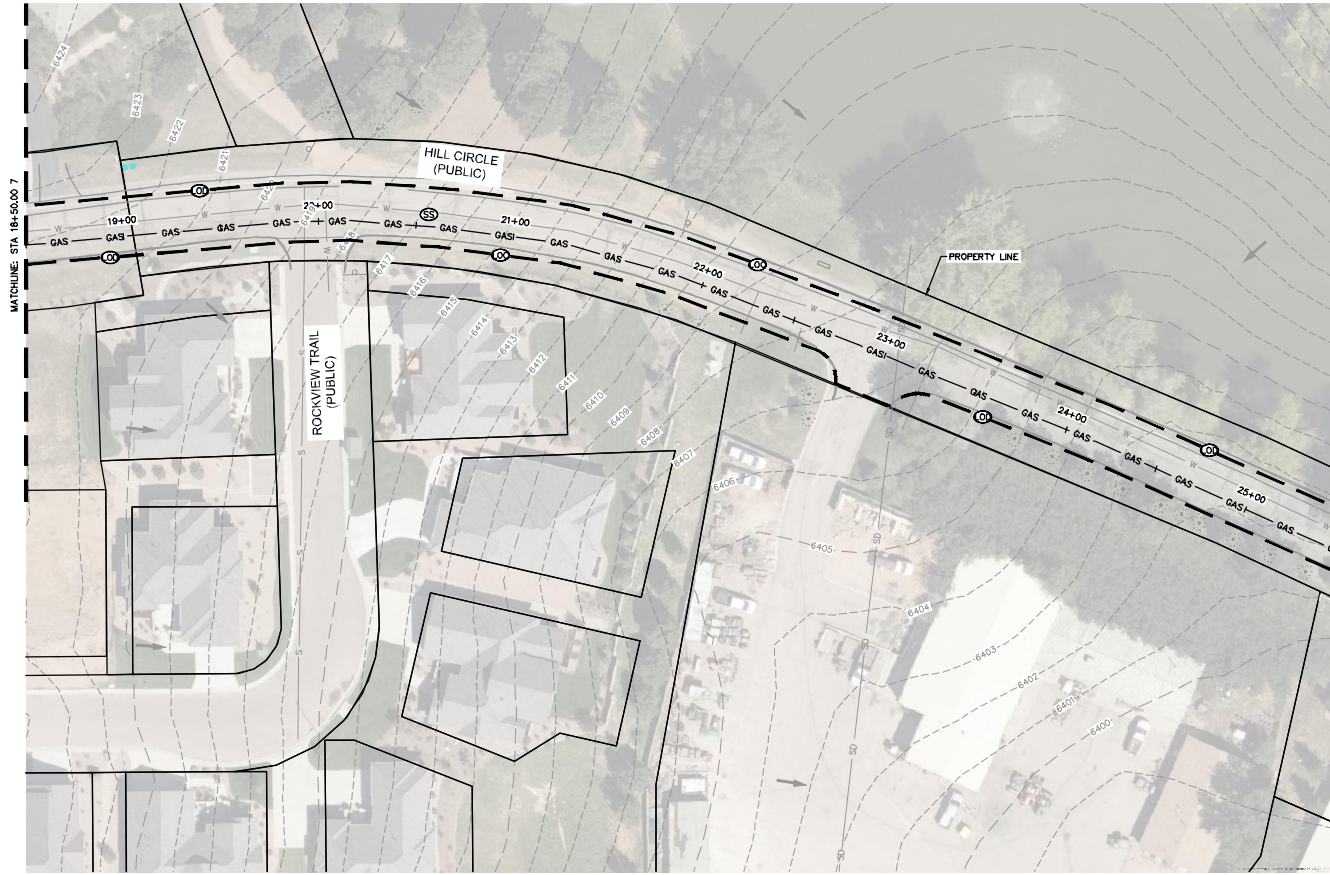
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CSU GAS - MESA TO MANITOU
PHASE 5.3
GEC PLANS
FINAL GEC PLAN



PROJECT NO.
067607121

SHEET
13



LEGEND

| | |
|------------|------------------------------|
| — | PROPERTY LINE |
| — W — | EXISTING WATER MAIN |
| — S — | EXISTING SANITARY SEWER |
| — SD — | EXISTING STORM SEWER |
| — HP GAS — | EXISTING GAS LINE |
| — UGE — | EXISTING UNDG. ELECTRIC LINE |
| — CTY — | EXISTING COMM. LINE |
| — FO — | EXISTING FIBER OPTIC |
| — GAS — | PROPOSED GAS MAIN |

GEC LEGEND

| | |
|---|------------------------------------|
| — | LIMITS OF DISTURBANCE/CONSTRUCTION |
| — | SEEDING AND MULCHING |
| — | STREET SWEEPING |

GEC NOTES

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LIMITS OF DISTURBANCE / CONSTRUCTION

| | |
|----------------------|---------------|
| ONSITE IMPROVEMENTS | = ±3.92 ACRES |
| OFFSITE IMPROVEMENTS | = ±0.00 ACRES |
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GRAPHIC SCALE IN FEET
0 15 30 60



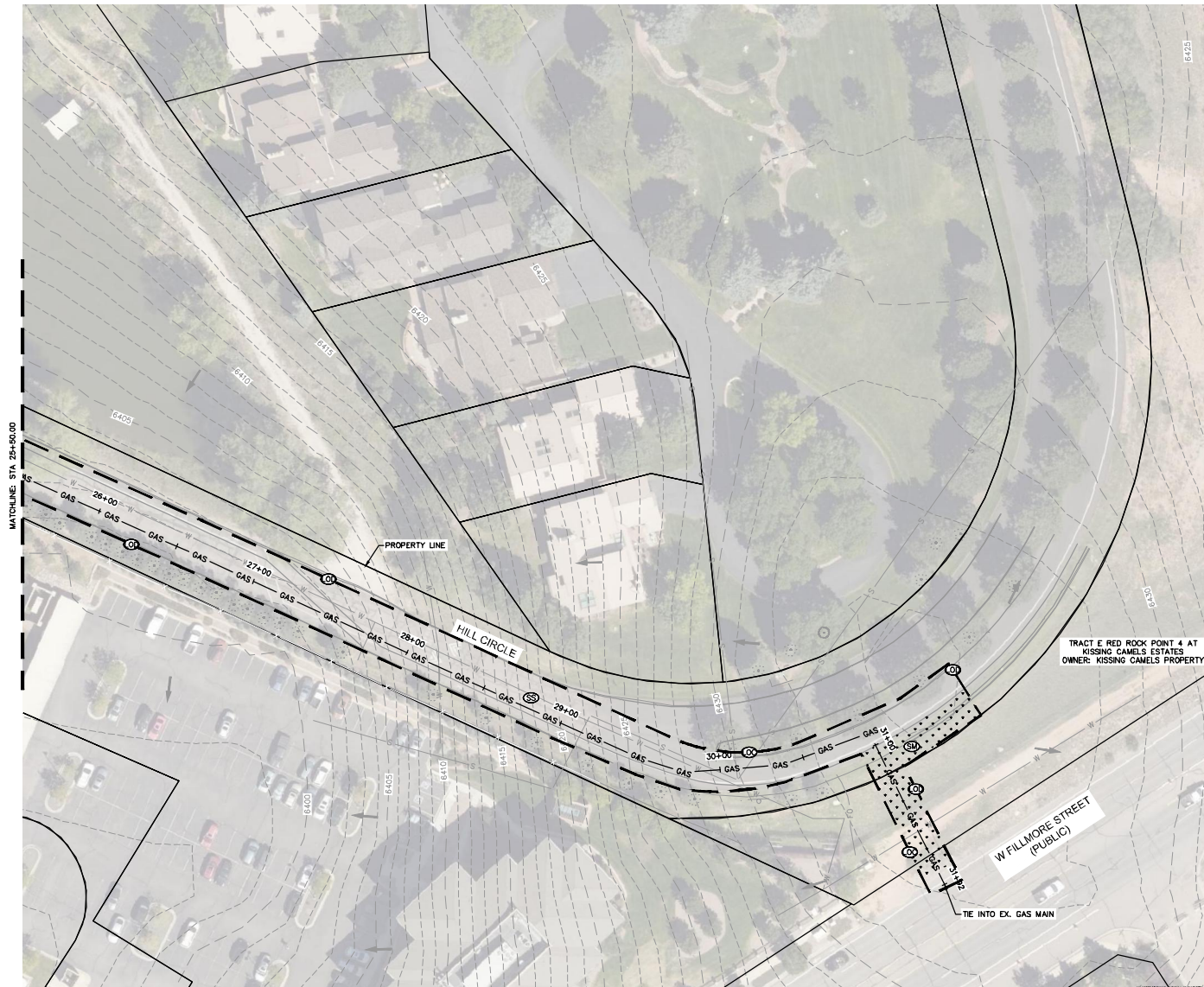
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CSU GAS - MESA TO MANITOU
PHASE 5.3
GEC PLANS
FINAL GEC PLAN



PROJECT NO.
067607121

SHEET
14



LEGEND

| | |
|------------|------------------------------|
| — | PROPERTY LINE |
| — W — | EXISTING WATER MAIN |
| — S — | EXISTING SANITARY SEWER |
| — SD — | EXISTING STORM SEWER |
| — HP GAS — | EXISTING GAS LINE |
| — UGE — | EXISTING UNDG. ELECTRIC LINE |
| — CTY — | EXISTING COMM. LINE |
| — FO — | EXISTING FIBER OPTIC |
| — GAS — | PROPOSED GAS MAIN |

GEC LEGEND

| | |
|---|------------------------------------|
| — | LIMITS OF DISTURBANCE/CONSTRUCTION |
| — | SEEDING AND MULCHING |
| — | STREET SWEEPING |

GEC NOTES

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LIMITS OF DISTURBANCE / CONSTRUCTION

| | |
|----------------------|---------------|
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GRAPHIC SCALE IN FEET
0 15 30 60



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CHECKED BY: KRK
DATE: 8/31/23

CSU GAS - MESA TO MANITOU
PHASE 5.3
GEC PLANS
FINAL GEC PLAN



PROJECT NO.
087607121

SHEET
15