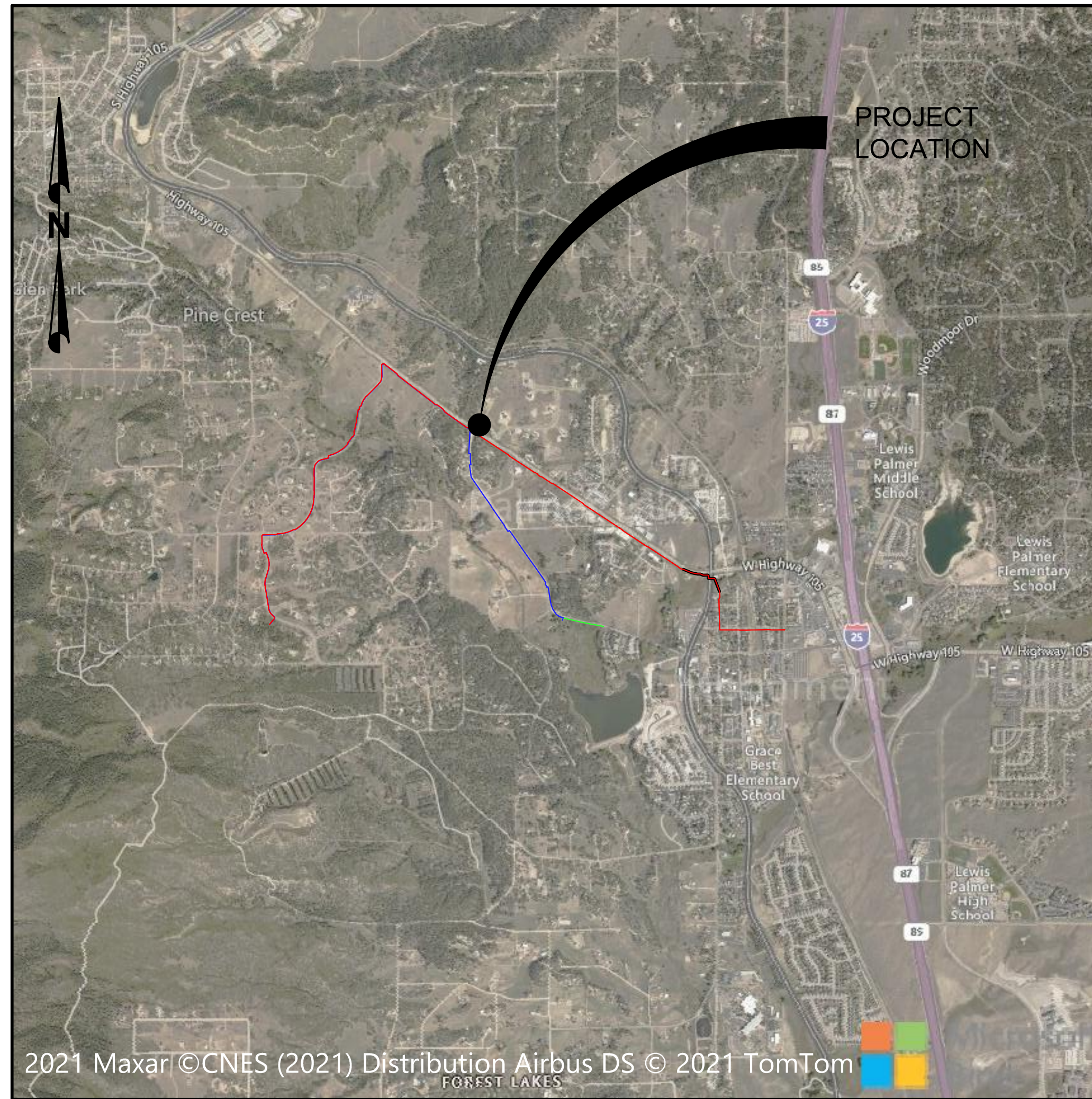


TOWN OF MONUMENT - WATERLINE
 SITE DEVELOPMENT PLANS
 LOT 6, FOREST VIEW ESTATES FILING NO. 4

MONUMENT WATERLINE

GRADING AND EROSION CONTROL PLANS MONUMENT, CO



PROJECT LOCATION MAP
 N.T.S.

| SHEET INDEX | |
|-------------|--|
| NO. | TITLE |
| 1 | COVER SHEET |
| 2 | LEGEND, NOTES & ABBREVIATIONS |
| 3 | PIPELINE ALIGNMENTS KEY MAP |
| 4 | PIPELINE ALIGNMENTS STA 0+00 TO STA 12+00 |
| 5 | PIPELINE ALIGNMENTS STA 12+00 TO STA 24+00 |
| 6 | PIPELINE ALIGNMENTS STA 24+00 TO STA 36+00 |
| 7 | PIPELINE ALIGNMENTS STA 36+00 TO STA 48+00 |
| 8 | PIPELINE ALIGNMENTS STA 48+00 TO STA 60+00 |
| 9 | PIPELINE ALIGNMENTS STA 60+00 TO STA 72+00 |
| 10 | PIPELINE ALIGNMENTS STA 72+00 TO STA 84+00 |
| 11 | PIPELINE ALIGNMENTS STA 84+00 TO STA 96+00 |
| 12 | PIPELINE ALIGNMENTS STA 96+00 TO STA 108+00 |
| 13 | PIPELINE ALIGNMENTS STA 108+00 TO STA 120+00 |
| 14 | PIPELINE ALIGNMENTS STA 120+00 TO STA 132+00 |
| 15 | PIPELINE ALIGNMENTS STA 132+00 TO STA 144+00 |
| 16 | PIPELINE ALIGNMENTS STA 144+00 TO STA 156+00 |
| 17 | PIPELINE ALIGNMENTS STA 156+00 TO STA 167+68 |
| 18 | PIPELINE ALIGNMENTS STA 200+00 TO STA 212+00 |
| 19 | PIPELINE ALIGNMENTS STA 212+00 TO STA 224+00 |
| 20 | PIPELINE ALIGNMENTS STA 224+00 TO STA 236+00 |
| 21 | PIPELINE ALIGNMENTS STA 236+00 TO STA 244+00 |
| 22 | PIPELINE ALIGNMENTS STA 300+00 TO STA 308+14 |
| 23 | GRADING AND EROSION CONTROL DETAILS - 1 |
| 24 | GRADING AND EROSION CONTROL DETAILS - 2 |
| 25 | GRADING AND EROSION CONTROL DETAILS - 3 |

FA PROJECT NO. 04-20-0153
 PCD FILE NO. PPR-21-030
 FEBRUARY, 2022



VICINITY MAP
 N.T.S.

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. SAID PLAN HAS BEEN PREPARED ACCORDING TO THE CRITERIA ESTABLISHED BY THE COUNTY FOR GRADING AND EROSION CONTROL PLANS. I ACCEPT RESPONSIBILITY FOR ANY LIABILITY CAUSED BY ANY NEGLIGENT ACTS, ERRORS OR OMISSIONS ON MY PART IN PREPARING THIS PLAN.

James Adams
 JAMES ADAMS, PE #38375

4/8/22
 DATE

OWNER'S STATEMENT:

I, THE OWNER/DEVELOPER HAVE READ AND WILL COMPLY WITH THE REQUIREMENTS OF THE GRADING AND EROSION CONTROL PLAN.

Thomas A. Shook
 TOWN OF MONUMENT

5-1-22
 DATE

EL PASO COUNTY:

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

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

IN ACCORDANCE 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 IS 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 DIRECTORS DISCRETION.

JENNIFER IRVINE, P.E.
 COUNTY ENGINEER / ECM ADMINISTRATOR

DATE

GENERAL CONSTRUCTION NOTES:

- INSTALLATION OF ALL GRADING, EROSION CONTROL BMP'S SHALL BE PERFORMED IN ACCORDANCE WITH THE URBAN STORM DRAINAGE CRITERIA MANUAL VOLUME 3, CHAPTER 7. CONTRACTOR SHALL MAKE NO DEVIATIONS FROM THIS MANUAL DURING CONSTRUCTION.
- ANY UNPAVED AREA THAT IS DISTURBED DURING CONSTRUCTION SHALL BE RESEEDDED.

FORSYGREN
Associates Inc.
 56 INVERNESS DRIVE EAST #112, ENGLEWOOD, CO 80112
 PH: 720.232.6644



PRELIMINARY
 DRAWING
 NOT FOR
 CONSTRUCTION

LEGEND

CIVIL ABBREVIATIONS

ANNOTATION

| | |
|--------------------------|--------------------|
| MATCH LINE | --- |
| CENTER LINE | --- |
| CONTROL LINE | --- |
| PROPERTY OR R/W LINE | --- |
| EASEMENT LINE | --- |
| STREET MONUMENT LINE | --- |
| WIRE FENCE | —○— |
| CHAIN LINK FENCE | —X— |
| BARBED WIRE FENCE | —X— |
| CONTOUR LINE | 4250 EL=4354.66 |
| SPOT ELEVATION | 4250 EL=4354.66 |
| BANK SLOPES | |
| CANAL | |
| OPEN DITCH | |
| UNDERGROUND ELECTRIC | —UE— |
| OVERHEAD ELECTRIC | |
| ELECTRIC BOX | (E) |
| ELECTRIC MANHOLE | (E) |
| ELECTRIC METER | (E) |
| GAS LINE | —NG— |
| GAS VALVE | (G) |
| GAS METER | (G) |
| IRRIGATION LINE | —IRR— |
| SANITARY SEWER LINE | —SS— |
| SANITARY SEWER CLEANOUT | (S) |
| SANITARY SEWER MANHOLE | (S) |
| SECONDARY WATER LINE | —SW— |
| SECONDARY WATER VALVE | (V) |
| SECONDARY WATER VAULT | (V) |
| STORM DRAIN LINE | —SD— |
| STORM DRAIN CATCH BASIN | (C) |
| STORM DRAIN INLET(S) | (I) |
| STORM DRAIN COMBO BOX | (C) |
| STORM DRAIN MANHOLE | (D) |
| STORM DRAIN CLEANOUT BOX | (C) |
| STORM DRAIN VAULT | (V) |
| CULVERT | (C) |
| TELEPHONE CABLE | —COMM— |
| TELEPHONE BOX | (T) |
| TELEPHONE MANHOLE | (T) |
| TELEPHONE POST | (P) |
| WATER LINE | —PW— |
| FIRE HYDRANT | (H) |
| FIRE RISER | (R) |
| WATER VALVE | (V) |
| WATER AIR RELEASE VALVE | (V) |
| WATER METER | (M) |
| UTILITY POLE & ANCHOR | (U) OHE → |
| POWER POLE | (P) |
| STREET LIGHT | (L) |
| LIGHT | (L) |
| ASPHALT PAVING | — |
| CURB & GUTTER | — |
| SIDEWALK | — |
| RAILROAD TRACKS | — |
| GUARD RAIL | — |
| SIGN | (S) |
| STRUCTURE | (S) |
| LANDSCAPING (TREES ETC.) | (L) |
| SECTION CORNER | (C) |
| MONUMENT | (M) |
| BENCH MARK | (B) |
| SURVEY CONTROL POINT | (CP) CP800 |

| | |
|-------------------|--|
| REVISION TRIANGLE | ← REVISION NO. 1 |
| DETAIL CALLOUT | 1 C-001 ← DETAIL # ← SHEET NO. |
| KEYNOTE CALLOUT | 1 ← KEYNOTE REFERENCE |
| PIPE CALLOUT | ← SYSTEM SS 18" PVC ← MATERIAL ← SIZE |
| SECTION CALLOUT | ← DESIGNATION A ← SHEET NO. G-001 ← DETAIL NAME/DESCRIPTION 4' MANHOLE SCALE: 1/2"=1'-0" 11 22 33 ← DETAIL # ← SPECIFICATION NO. |
| DETAIL NAME | 4' MANHOLE |
| SECTION NAME | TYPICAL ROAD SCALE: 1"=1" ← SECTION DESCRIPTION A ← DESIGNATION |
| VIEW NAME | PLAN VIEW ← VIEW DESCRIPTION SCALE: 1"=1" |
| GENERAL CALLOUT | ← GENERAL NOTE |
| PROPOSED CALLOUT | ← CONSTRUCTION NOTE |

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

- STORMWATER DISCHARGES FROM CONSTRUCTION SITES SHALL NOT CAUSE OR THREATEN TO CAUSE POLLUTION, CONTAMINATION, OR DEGRADATION OF STATE WATERS. ALL WORK AND EARTH DISTURBANCE SHALL BE DONE IN A MANNER THAT MINIMIZES POLLUTION OF ANY ON-SITE OR OFF-SITE WATERS, INCLUDING WETLANDS.
- NOTWITHSTANDING ANYTHING DEPICTED IN THESE PLANS IN WORDS OR GRAPHIC REPRESENTATION, ALL DESIGN AND CONSTRUCTION RELATED TO ROADS, STORM DRAINAGE AND EROSION CONTROL SHALL CONFORM TO THE STANDARDS AND REQUIREMENTS OF THE MOST RECENT VERSION OF THE RELEVANT ADOPTED EL PASO COUNTY STANDARDS, INCLUDING THE LAND DEVELOPMENT CODE, THE ENGINEERING CRITERIA MANUAL, THE DRAINAGE CRITERIA MANUAL, AND THE DRAINAGE CRITERIA MANUAL VOLUME 2. ANY DEVIATIONS TO REGULATIONS AND STANDARDS MUST BE REQUESTED, AND APPROVED, IN WRITING.
- A SEPARATE STORMWATER MANAGEMENT PLAN (SMWP) FOR THIS PROJECT SHALL BE COMPLETED AND AN EROSION AND STORMWATER QUALITY CONTROL PERMIT (ESQCP) ISSUED PRIOR TO COMMENCING CONSTRUCTION. DURING CONSTRUCTION THE SWMP IS THE RESPONSIBILITY OF THE DESIGNATED QUALIFIED STORMWATER MANAGER OR CERTIFIED EROSION CONTROL INSPECTOR AND SHALL BE LOCATED ON SITE AT ALL TIMES DURING CONSTRUCTION AND SHALL BE KEPT UP TO DATE WITH WORK PROGRESS AND CHANGES IN THE FIELD.
- ONCE THE ESQCP IS APPROVED AND A "NOTICE TO PROCEED" HAS BEEN ISSUED, THE CONTRACTOR MAY INSTALL THE INITIAL STAGE EROSION AND SEDIMENT CONTROL MEASURES AS INDICATED ON THE APPROVED GEC. A PRECONSTRUCTION MEETING BETWEEN THE CONTRACTOR, ENGINEER, AND EL PASO COUNTY WILL BE HELD PRIOR TO ANY CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE APPLICANT TO COORDINATE THE MEETING TIME AND PLACE WITH COUNTY STAFF.
- CONTROL MEASURES MUST BE INSTALLED PRIOR TO COMMENCEMENT OF ACTIVITIES THAT MAY CONTRIBUTE POLLUTANTS TO STORMWATER. TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES, OR ANY DISTURBED LAND AREA SHALL BE COMPLETED IMMEDIATELY UPON COMPLETION OF THE DISTURBANCE.
- ALL TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES SHALL BE MAINTAINED AND REMAIN IN EFFECTIVE OPERATING CONDITION UNTIL PERMANENT SOIL EROSION CONTROL MEASURES ARE IMPLEMENTED AND FINAL STABILIZATION IS ESTABLISHED. ALL PERSONS ENGAGED IN LAND DISTURBANCE ACTIVITIES SHALL ASSESS THE ADEQUACY OF CONTROL MEASURES AT THE SITE AND IDENTIFY IF CHANGES TO THOSE CONTROL MEASURES IS NEEDED TO ENSURE THE CONTINUED EFFECTIVE PERFORMANCE OF THE CONTROL MEASURES. ALL CHANGES TO TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES MUST BE INCORPORATED INTO THE STORMWATER MANAGEMENT PLAN PRIOR TO IMPLEMENTATION.
- TEMPORARY STABILIZATION SHALL BE IMPLEMENTED ON DISTURBED AREAS AND STOCKPILES WHERE GROUND DISTURBING CONSTRUCTION ACTIVITY HAS PERMANENTLY CEASED OR TEMPORARILY CEASED FOR LONGER THAN 14 DAYS. AN AREA THAT IS GOING TO REMAIN IN AN INTERIM STATE FOR MORE THAN 60 DAYS SHALL ALSO BE STABILIZED.
- FINAL STABILIZATION MUST BE IMPLEMENTED AT ALL APPLICABLE CONSTRUCTION SITES. FINAL STABILIZATION IS ACHIEVED WHEN ALL GROUND DISTURBING ACTIVITIES ARE COMPLETE AND ALL DISTURBED AREAS EITHER HAVE A UNIFORM VEGETATIVE COVER WITH INDIVIDUAL PLAN DENSITY OF 70 PERCENT OF PRE-DISTURBANCE LEVELS ESTABLISHED OR EQUIVALENT PERMANENT ALTERNATIVE STABILIZATION METHOD IS IMPLEMENTED. ALL TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES SHALL BE REMOVED UPON FINAL STABILIZATION AND BEFORE PERMIT CLOSURE.
- ALL PERMANENT STORMWATER MANAGEMENT FACILITIES SHALL BE INSTALLED AS DEFINED IN THE APPROVED PLANS. ANY PROPOSED CHANGES THAT EFFECT THE HYDROLOGY OR HYDRAULICS OF A PERMANENT STORMWATER MANAGEMENT STRUCTURES MUST BE APPROVED BY THE ECM ADMINISTRATOR PRIOR TO IMPLEMENTATION.
- ANY EARTH DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER SO AS TO EFFECTIVELY MINIMIZE ACCELERATED SOIL EROSION AND RESULTING SEDIMENTATION. ALL DISTURBANCES SHALL BE DESIGNED, CONSTRUCTED, AND COMPLETED SO THAT THE EXPOSED AREA OF ANY DISTURBED LAND SHALL BE LIMITED TO THE SHORTEST PRACTICAL PERIOD OF TIME. PRE-EXISTING VEGETATION SHALL BE PROTECTED AND MAINTAINED WITHIN 50 HORIZONTAL FEET OF A WATERS OF THE STATE, UNLESS INFEASIBLE.
- COMPACTION OF SOIL MUST BE PREVENTED IN AREAS DESIGNATED FOR INFILTRATION CONTROL MEASURES OR WHERE FINAL STABILIZATION WILL BE ACHIEVED BY VEGETATIVE COVER. AREAS DESIGNATED FOR INFILTRATION CONTROL SHALL ALSO BE PROTECTED FROM SEDIMENTATION DURING CONSTRUCTION UNTIL FINAL STABILIZATION IS ACHIEVED.
- ANY TEMPORARY OR PERMANENT FACILITY DESIGNED AND CONSTRUCTED FOR THE CONVEYANCE OF STORMWATER AROUND, THROUGH, OR FROM THE EARTH DISTURBANCE AREA SHALL BE A STABILIZED CONVEYANCE DESIGNED TO MINIMIZE EROSION AND THE DISCHARGE OF SEDIMENT OFF SITE.
- CONCRETE WASH WATER SHALL BE CONTAINED AND DISPOSED OF IN ACCORDANCE WITH THE SWMP. NO WASH WATER SHALL BE DISCHARGED TO OR ALLOWED TO RUNOFF TO STATE WATERS, INCLUDING ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR FACILITIES. CONCRETE WASHOUT SHALL NOT BE LOCATED IN AN AREA WHERE SHALLOW GROUNDWATER MAY BE PRESENT, OR WITHIN 50 FEET OF A SURFACE WATER BODY.
- DEWATERING OPERATIONS: UNCONTAMINATED GROUND WATER MAY BE DISCHARGED ON SITE, BUT MAY NOT LEAVE THE SITE IN THE FORM OF SURFACE RUNOFF.
- EROSION CONTROL BLANKETING IS TO BE USED ON SLOPES STEEPER THAN 3:1.
- 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. BMP'S MAY BE REQUIRED BY EL PASO COUNTY ENGINEERING IF DEEMED NECESSARY, BASED ON SPECIFIC CONDITIONS AND CIRCUMSTANCES.
- VEHICLE TRACKING OF SOILS AND CONSTRUCTION DEBRIS OFF-SITE SHALL BE MINIMIZED. MATERIALS TRACKED OFFSITE SHALL BE CLEANED UP AND PROPERLY DISPOSED OF IMMEDIATELY.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL WASTES FROM THE CONSTRUCTION SITE FOR DISPOSAL IN ACCORDANCE WITH LOCAL AND STATE REGULATORY REQUIREMENTS. NO CONSTRUCTION DEBRIS, TREE SLASH, BUILDING MATERIAL WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURIED, DUMPED, OR DISCHARGED AT THE SITE.
- THE OWNER, SITE DEVELOPER, CONTRACTOR, AND/OR THEIR AUTHORIZED AGENTS 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 AND STORMWATER APPURTENANCES AS A RESULT OF SITE DEVELOPMENT.
- THE QUANTITY OF MATERIALS STORED ON THE PROJECT SITE SHALL BE LIMITED, AS MUCH AS PRACTICAL, TO THAT QUANTITY REQUIRED TO PERFORM THE WORK IN AN ORDERLY SEQUENCE. ALL MATERIALS STORED ON-SITE SHALL BE STORED IN A NEAT, ORDERLY MANNER, IN THEIR ORIGINAL CONTAINERS, WITH ORIGINAL MANUFACTURER'S LABELS.
- NO CHEMICALS ARE TO BE USED BY THE CONTRACTOR, WHICH HAVE THE POTENTIAL TO BE RELEASED IN STORMWATER UNLESS PERMISSION FOR THE USE OF A SPECIFIC CHEMICAL IS GRANTED IN WRITING BY THE ECM ADMINISTRATOR. IN GRANTING THE USE OF SUCH CHEMICALS, SPECIAL CONDITIONS AND MONITORING MAY BE REQUIRED.
- BULK STORAGE OF PETROLEUM PRODUCTS OR OTHER LIQUID CHEMICALS IN EXCESS OF 55 GALLONS SHALL HAVE ADEQUATE SECONDARY CONTAINMENT PROTECTION TO CONTAIN ALL SPILLS AND PREVENT ANY SPILLED MATERIAL FROM ENTERING STATE WATERS, INCLUDING ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR FACILITIES.
- NO PERSON SHALL CAUSE THE IMPEDIMENT OF STORMWATER FLOW IN THE FLOW LINE OF THE CURB AND GUTTER OR IN THE DITCH FLOW LINE.
- INDIVIDUALS SHALL COMPLY WITH THE "COLORADO WATER QUALITY CONTROL ACT" (TITLE 25, ARTICLE 8, CRS), AND THE "CLEAN WATER ACT" (33 USC 1344), IN ADDITION TO THE REQUIREMENTS INCLUDED IN THE DCM VOLUME II AND THE ECM APPENDIX I. ALL APPROPRIATE PERMITS MUST BE OBTAINED BY THE CONTRACTOR PRIOR TO CONSTRUCTION (NPDES, FLOODPLAIN, 404, FUGITIVE DUST, ETC.). IN THE EVENT OF CONFLICTS BETWEEN THESE REQUIREMENTS AND LAWS, RULES, OR REGULATIONS OF OTHER FEDERAL, STATE, OR COUNTY AGENCIES, THE MORE RESTRICTIVE LAWS, RULES, OR REGULATIONS SHALL APPLY.
- ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE AT APPROVED CONSTRUCTION ACCESS POINTS.
- PRIOR TO ACTUAL CONSTRUCTION THE PERMITEE SHALL VERIFY THE LOCATION OF EXISTING UTILITIES.
- A WATER SOURCE SHALL BE AVAILABLE ON SITE DURING EARTHWORK OPERATIONS AND UTILIZED AS REQUIRED TO MINIMIZE DUST FROM EARTHWORK EQUIPMENT AND WIND.
- THE SOILS REPORT FOR THIS SITE HAS BEEN PREPARED BY _____ AND SHALL BE CONSIDERED A PART OF THESE PLANS.
- AT LEAST TEN (10) DAYS PRIOR TO THE ANTICIPATED START OF CONSTRUCTION, FOR PROJECTS THAT WILL DISTURB 1 ACRE OR MORE, THE OWNER OR OPERATOR OF CONSTRUCTION ACTIVITY SHALL SUBMIT A PERMIT APPLICATION FOR STORMWATER DISCHARGE TO THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT, WATER QUALITY DIVISION. THE APPLICATION CONTAINS CERTIFICATION OF COMPLETION OF A STORMWATER MANAGEMENT PLAN (SWMP), OF WHICH THIS GRADING AND EROSION CONTROL PLAN MAY BE A PART.

PCD FILE NO. PPR-21-030

P:\Clients\Monument\04-20-0153 Waterline & Storage Tank\CAD\Sheets\General\County Submittals\GEC\PIPELINE-G-02 - LEGEND NOTES AND ABBREVIATIONS.dwg - 2/21/2022 3:39 PM

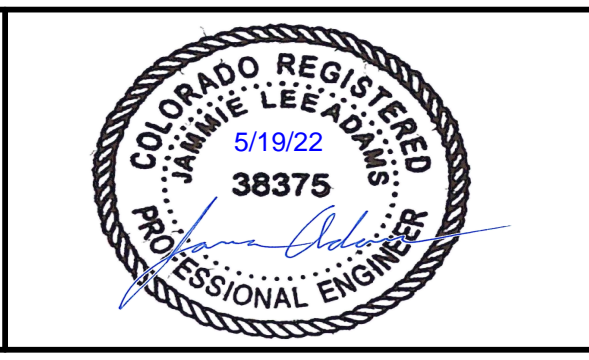
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| NO. | REVISIONS | BY | DATE |
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| | | | |

DRAWN _____ S. CALE
DESIGNED _____ DESIGNED BY
APPROVED _____ APPROVED BY
QA _____ QA BY

ATTENTION
LINE IS 2 INCHES
AT FULL SIZE
(IF NOT 2" SCALE ACCORDINGLY)



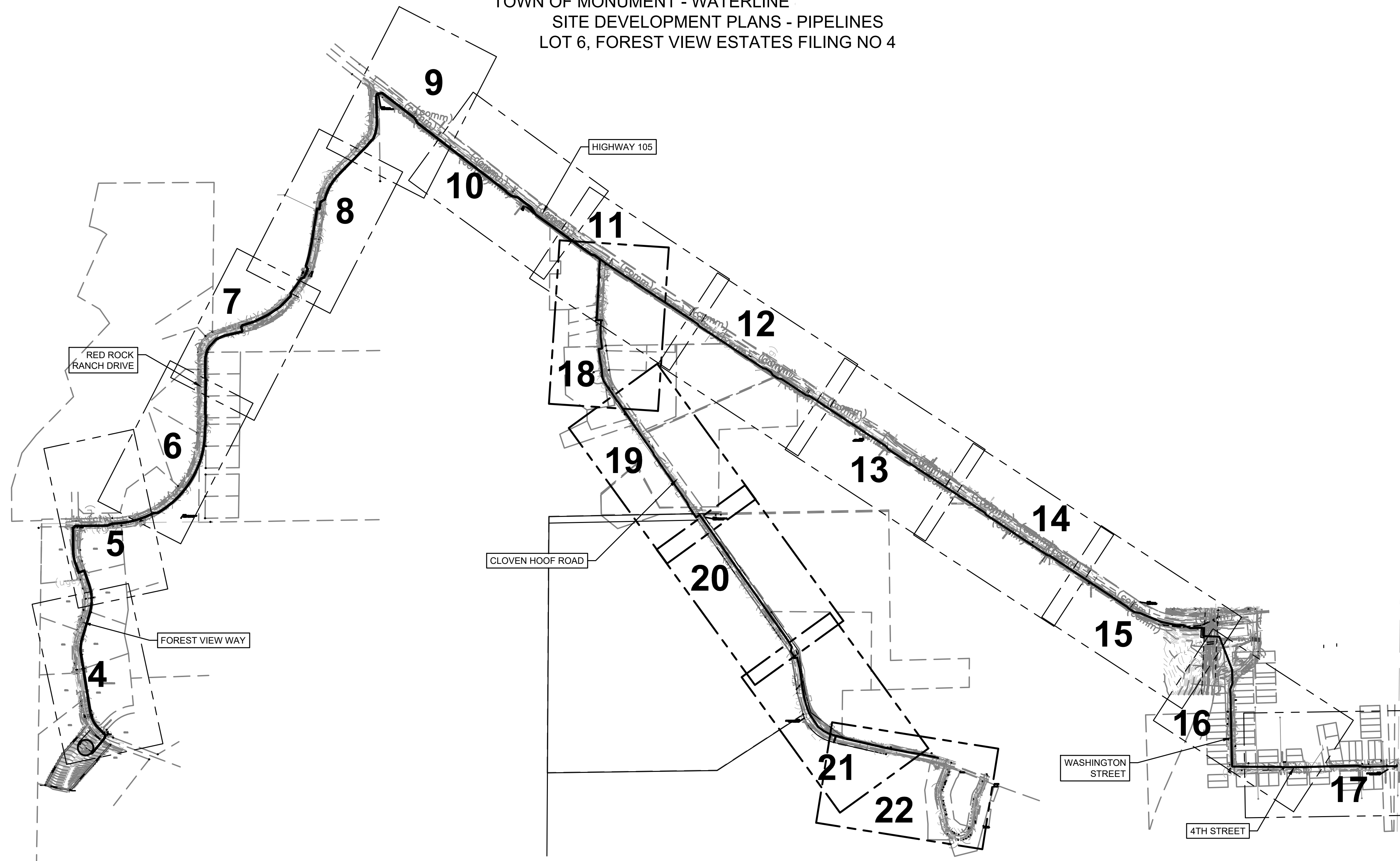
FORSYGREN Associates Inc.
56 INVERNESS DRIVE EAST #112, ENGLEWOOD, CO 80112
PH: 720.232.6644



MONUMENT WATERLINE
GRADING AND EROSION CONTROL PLANS
LEGEND, NOTES AND ABBREVIATIONS

| | |
|-------------|-------------------|
| PROJECT NO: | 04-20-0153 |
| SHEET NO: | 2 |
| DATE: | FEB, 2022 |
| PAGE NO: | 2 OF 25 |

TOWN OF MONUMENT - WATERLINE
SITE DEVELOPMENT PLANS - PIPELINES
LOT 6, FOREST VIEW ESTATES FILING NO 4



LEGEND

- (VTC) VEHICLE TRACKING CONTROL
 - (SF) SILT FENCE
 - (ECB) EROSION CONTROL BLANKET
 - (CD) ROCK CHECK DAM
 - (LOD) LIMIT OF DISTURBANCE
 - (CWA) CONCRETE WASH AREA
 - (SSA) STABILIZED STAGING AREA
 - (TOP) TEMPORARY OUTLET PROTECTION
- FLOW DIRECTION

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. SAID PLAN HAS BEEN PREPARED ACCORDING TO THE CRITERIA ESTABLISHED BY THE COUNTY FOR GRADING AND EROSION CONTROL PLANS. I ACCEPT RESPONSIBILITY FOR ANY LIABILITY CAUSED BY ANY NEGLIGENT ACTS, ERRORS OR OMISSIONS ON MY PART IN PREPARING THIS PLAN.

NAME
DATE

OWNER'S STATEMENT:

THE OWNER WILL COMPLY WITH THE REQUIREMENTS OF THE GRADING AND EROSION CONTROL PLAN.

NAME
DATE

EL PASO COUNTY:

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

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

JENNIFER IRVINE, P.E.
DATE
COUNTY ENGINEER / ECM ADMINISTRATOR

GENERAL CONSTRUCTION NOTES:

- INSTALLATION OF ALL GRADING, EROSION CONTROL BMP'S SHALL BE PERFORMED IN ACCORDANCE WITH THE URBAN STORM DRAINAGE CRITERIA MANUAL VOLUME 3, CHAPTER 7. CONTRACTOR SHALL MAKE NO DEVIATIONS FROM THIS MANUAL DURING CONSTRUCTION.
- ANY UNPAVED AREA THAT IS DISTURBED DURING CONSTRUCTION SHALL BE RESEDED.

SURVEY CONTROL DATA

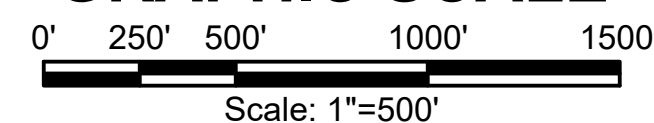
| POINT NO. | NORTHING | EASTING | ELEVATION | POINT DESCRIPTION |
|-----------|-------------|-------------|-------------------|---|
| 150 | 1465758.075 | 3172710.430 | 7069.86 (NAVD 88) | 3.25" ALUMINUM CAP "CDOT MP 7.4 #542" |
| 151 | 1462473.388 | 3171175.657 | 7133.00 (NAVD 88) | #4 REBAR WITH RED PLASTIC CAP "CONTROL POINT" |
| 152 | 1462480.295 | 3175247.677 | 6947.57 (NAVD 88) | #4 REBAR WITH RED PLASTIC CAP "CONTROL POINT" |
| 153 | 1460915.673 | 3176013.847 | 6936.42 (NAVD 88) | #4 REBAR WITH RED PLASTIC CAP "CONTROL POINT" |
| 154 | 1460518.879 | 3180552.386 | 7018.01 (NAVD 88) | #4 REBAR WITH RED PLASTIC CAP "CONTROL POINT" |
| 115 | 1463118.253 | 3176474.552 | 6999.48 (NAVD 88) | 3.25" ALUMINUM CAP "CDOT R.O.W." |
| 110 | 1461819.218 | 3178628.362 | 6977.98 (NAVD 88) | 3.25" ALUMINUM CAP "CDOT R.O.W." |

COORDINATE SYSTEM: NAD83 (2011)
STATE PLANE ZONE: COLORADO CENTRAL ZONE 0502
UNITS: US SURVEY FEET
GEOID MODEL: GEOID18

PROJECT COORDINATES SHOWN HEREON ARE MODIFIED STATE PLANE GROUND COORDINATES
GRID TO GROUND COMBINED SCALE FACTOR: 1.0004129397
GROUND TO GRID COMBINED SCALE FACTOR: 0.9995872307

FALSE NORTHING: 0.0
FALSE EASTING: 0.0

GRAPHIC SCALE



P:\Clients\Monument\04-20-0153 Waterline & Storage Tank\CAD\Sheets\Civil\COUNTY SUBMITTALS\GEOPIPELINE\GEC - OVERALL PLAN VIEWS.dwg - 11/24/2021 2:06 PM

| NO. | REVISIONS | BY | DATE |
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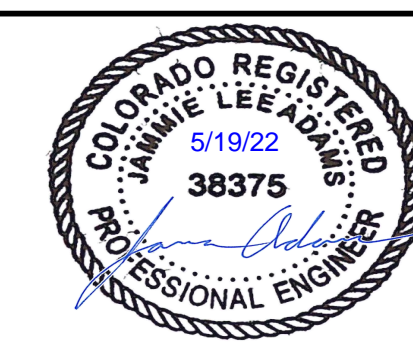
| | |
|----------|----------|
| DRAWN | S. CALE |
| DESIGNED | J. ADAMS |
| APPROVED | J. ADAMS |
| QA | W. KOGER |

ATTENTION
LINE IS 2 INCHES
AT FULL SIZE
(IF NOT 2" SCALE ACCORDINGLY)

**PRELIMINARY
DRAWING
NOT FOR
CONSTRUCTION**



FORSGREN
Associates Inc.
56 INVERNESS DRIVE EAST #112, ENGLEWOOD, CO 80112
PH: 720.232.6644



**TOWN OF MONUMENT WATERLINE
GRADING AND EROSION CONTROL PLAN
PIPELINE ALIGNMENTS KEY MAP**

| | |
|-------------|-------------------|
| PROJECT NO: | 04-20-0153 |
| SHEET NO: | 3 |
| DATE: | NOV, 2021 |
| PAGE NO: | 3 OF 24 |

TOWN OF MONUMENT - WATERLINE
SITE DEVELOPMENT PLANS - PIPELINES
LOT 6, FOREST VIEW ESTATES FILING NO 4

LIMITS OF DISTURBANCE



LEGEND

| | |
|--------------------------|--------------|
| MATCH LINE | --- |
| CENTER LINE | --- |
| CONTROL LINE | --- |
| PROPERTY OR R/W LINE | --- |
| EASEMENT LINE | --- |
| STREET MONUMENT LINE | --- |
| WIRE FENCE | --- |
| CHAIN LINK FENCE | --- |
| BARBED WIRE FENCE | X--- |
| CONTOUR LINE | ---4250--- |
| UNDERGROUND ELECTRIC | ---(uge)--- |
| OVERHEAD ELECTRIC | ---(ohe)--- |
| ELECTRIC BOX | (E) |
| ELECTRIC MANHOLE | (E) |
| ELECTRIC METER | (E) |
| GAS LINE | ---(g)--- |
| GAS VALVE | (g) |
| GAS METER | (g) |
| IRRIGATION LINE | ---IRR--- |
| SANITARY SEWER LINE | ---SS--- |
| SANITARY SEWER CLEANOUT | (S) |
| SANITARY SEWER MANHOLE | (S) |
| SECONDARY WATER LINE | ---SW--- |
| SECONDARY WATER VALVE | (SW) |
| SECONDARY WATER VAULT | (SW) |
| STORM DRAIN LINE | ---SD--- |
| STORM DRAIN CATCH BASIN | (SD) |
| STORM DRAIN INLET(S) | (SD) |
| STORM DRAIN COMBO BOX | (SD) |
| STORM DRAIN MANHOLE | (D) |
| STORM DRAIN CLEANOUT BOX | (D) |
| STORM DRAIN VAULT | (SD) |
| CULVERT | SD |
| TELEPHONE CABLE | ---COMM--- |
| TELEPHONE BOX | (T) |
| TELEPHONE MANHOLE | (T) |
| TELEPHONE POST | (T) |
| WATER LINE | ---PW--- |
| FIRE HYDRANT | (F) |
| FIRE RISER | (F) |
| WATER VALVE | (W) |
| WATER AIR RELEASE VALVE | (W) |
| WATER METER | (W) |
| UTILITY POLE & ANCHOR | ---OHE--- |
| POWER POLE | (P) |
| STREET LIGHT | (L) |
| LIGHT | (L) |
| ASPHALT PAVING | --- |
| CURB & GUTTER | --- |
| SIDEWALK | --- |
| RAILROAD TRACKS | --- |
| GUARD RAIL | --- |
| SIGN | --- |
| STRUCTURE | --- |
| LANDSCAPING (TREES ETC.) | --- |
| SECTION CORNER | 12 11 4 3 |
| MONUMENT | --- |
| BENCH MARK | --- |
| SURVEY CONTROL POINT | △ CP800 |

LEGEND

| | |
|-------|-----------------------------|
| (VTC) | VEHICLE TRACKING CONTROL |
| (SF) | SILT FENCE |
| (ECB) | EROSION CONTROL BLANKET |
| (CD) | ROCK CHECK DAM |
| (LOC) | LIMIT OF CONSTRUCTION |
| (CWA) | CONCRETE WASH AREA |
| (SSA) | STABILIZED STAGING AREA |
| (TOP) | TEMPORARY OUTLET PROTECTION |
| | FLOW DIRECTION |
| (ST) | SEDIMENT TRAP |

PHASE

| | |
|-------------------|---------|
| (Initial Pattern) | INITIAL |
| (SF) | INITIAL |
| (Final Pattern) | FINAL |
| (Interim Pattern) | INTERIM |
| (X) | FINAL |
| (Oval) | INTERIM |
| (Hatched Oval) | INTERIM |
| (Trap) | INTERIM |
| (Arrow) | INTERIM |
| (Rect) | INTERIM |

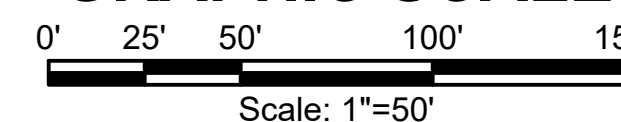
GENERAL CONSTRUCTION NOTES:

- INSTALLATION OF ALL GRADING, EROSION CONTROL BMP'S SHALL BE PERFORMED IN ACCORDANCE WITH THE URBAN STORM DRAINAGE CRITERIA MANUAL VOLUME 3, CHAPTER 7. CONTRACTOR SHALL MAKE NO DEVIATIONS FROM THIS MANUAL DURING CONSTRUCTION.
- ANY UNPAVED AREA THAT IS DISTURBED DURING CONSTRUCTION SHALL BE RESEEDED AND MULCHED.

NOTE: NO PIPELINE CONSTRUCTION IS PERMITTED IN THE ROW UNTIL THE FINAL PIPELINE CONSTRUCTION PLANS HAVE BEEN APPROVED.



GRAPHIC SCALE



PCD FILE NO. PPR-21-030

P:\Clients\Monument\04-20-0153 Waterline & Storage Tank\CAD\Sheets\Civil\COUNTY SUBMITTALS\GEOPIPELINE\GEC - OVERALL PLAN VIEWS.dwg - 22/1/2022 2:17 PM

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|-----|-----------|----|------|
| NO. | REVISIONS | BY | DATE |
| | | | |
| | | | |
| | | | |

| | |
|----------|----------|
| DRAWN | S. CALE |
| DESIGNED | J. ADAMS |
| APPROVED | J. ADAMS |
| QA | W. KOGER |

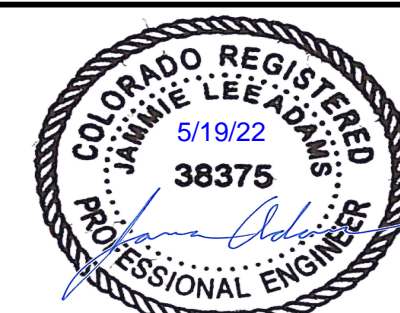
ATTENTION
LINE IS 2 INCHES
AT FULL SIZE
(IF NOT 2" SCALE ACCORDINGLY)

**PRELIMINARY
DRAWING
NOT FOR
CONSTRUCTION**



FORSGREN
Associates Inc.

56 INVERNESS DRIVE EAST #112, ENGLEWOOD, CO 80112
PH: 720.232.6644



TOWN OF MONUMENT WATERLINE
GRADING AND EROSION CONTROL
PIPELINE ALIGNMENTS
STA 0+00 TO STA 12+00

| | |
|-------------|------------|
| PROJECT NO: | 04-20-0153 |
| SHEET NO: | 4 |
| DATE: | NOV, 2021 |
| PAGE NO: | 4 OF 25 |

TOWN OF MONUMENT - WATERLINE
 SITE DEVELOPMENT PLANS - PIPELINES
 LOT 6, FOREST VIEW ESTATES FILING NO 4

LIMITS OF DISTURBANCE



LEGEND

| | |
|--------------------------|--------------|
| MATCH LINE | --- |
| CENTER LINE | --- |
| CONTROL LINE | --- |
| PROPERTY OR R/W LINE | --- |
| EASEMENT LINE | --- |
| STREET MONUMENT LINE | --- |
| WIRE FENCE | --- |
| CHAIN LINK FENCE | --- |
| BARBED WIRE FENCE | --- |
| CONTOUR LINE | --- |
| UNDERGROUND ELECTRIC | --- |
| OVERHEAD ELECTRIC | --- |
| ELECTRIC BOX | (E) |
| ELECTRIC MANHOLE | (E) |
| ELECTRIC METER | (E) |
| GAS LINE | --- |
| GAS VALVE | (G) |
| GAS METER | (G) |
| IRRIGATION LINE | IRR |
| SANITARY SEWER LINE | SS |
| SANITARY SEWER CLEANOUT | (S) |
| SANITARY SEWER MANHOLE | (S) |
| SECONDARY WATER LINE | SW |
| SECONDARY WATER VALVE | (SW) |
| SECONDARY WATER VAULT | (SW) |
| STORM DRAIN LINE | SD |
| STORM DRAIN CATCH BASIN | (SD) |
| STORM DRAIN INLET(S) | (SD) |
| STORM DRAIN COMBO BOX | (SD) |
| STORM DRAIN MANHOLE | (D) |
| STORM DRAIN CLEANOUT BOX | (D) |
| STORM DRAIN VAULT | (D) |
| CULVERT | SD |
| TELEPHONE CABLE | COMM |
| TELEPHONE BOX | (T) |
| TELEPHONE MANHOLE | (T) |
| TELEPHONE POST | (T) |
| WATER LINE | PW |
| FIRE HYDRANT | (F) |
| FIRE RISER | (F) |
| WATER VALVE | (W) |
| WATER AIR RELEASE VALVE | (W) |
| WATER METER | (W) |
| UTILITY POLE & ANCHOR | OHE |
| POWER POLE | (P) |
| STREET LIGHT | (L) |
| LIGHT | (L) |
| ASPHALT PAVING | --- |
| CURB & GUTTER | --- |
| SIDEWALK | --- |
| RAILROAD TRACKS | --- |
| GUARD RAIL | --- |
| SIGN | --- |
| STRUCTURE | --- |
| LANDSCAPING (TREES ETC.) | --- |
| SECTION CORNER | 12 11 4 3 |
| MONUMENT | (M) |
| BENCH MARK | (B) |
| SURVEY CONTROL POINT | CP800 |



PROPOSED PIPELINE
 ALIGNMENT
 (2) 12-INCH
 C900 PVC PIPES

LEGEND

| | |
|-------|-----------------------------|
| (VTC) | VEHICLE TRACKING CONTROL |
| (SF) | SILT FENCE |
| (ECB) | EROSION CONTROL BLANKET |
| (CD) | ROCK CHECK DAM |
| (LOC) | LIMIT OF CONSTRUCTION |
| (CWA) | CONCRETE WASH AREA |
| (SSA) | STABILIZED STAGING AREA |
| (TOP) | TEMPORARY OUTLET PROTECTION |
| (ST) | SEDIMENT TRAP |

PHASE

| | |
|-----------|---------|
| (Pattern) | INITIAL |
| (Pattern) | INITIAL |
| (Pattern) | FINAL |
| (Pattern) | INTERIM |
| (Pattern) | FINAL |
| (Pattern) | INTERIM |
| (Pattern) | INTERIM |
| (Pattern) | INTERIM |
| (Pattern) | INTERIM |
| (Pattern) | INTERIM |
| (Pattern) | INTERIM |

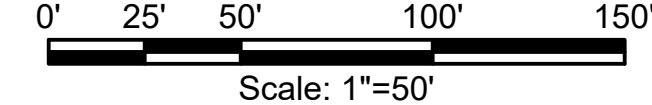
GENERAL CONSTRUCTION NOTES:

1. INSTALLATION OF ALL GRADING, EROSION CONTROL BMP'S SHALL BE PERFORMED IN ACCORDANCE WITH THE URBAN STORM DRAINAGE CRITERIA MANUAL VOLUME 3, CHAPTER 7. CONTRACTOR SHALL MAKE NO DEVIATIONS FROM THIS MANUAL DURING CONSTRUCTION.
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NOTE: NO PIPELINE CONSTRUCTION IS PERMITTED IN THE ROW UNTIL THE FINAL PIPELINE CONSTRUCTION PLANS HAVE BEEN APPROVED.



GRAPHIC SCALE



PCD FILE NO. PPR-21-030

P:\Clients\Monument\04-20-0153 Waterline & Storage Tank\CAD\Sheets\Civil\COUNTY SUBMITTALS\GEOPIPELINE\GEC - OVERALL PLAN VIEWS.dwg - 2/21/2022 2:18 PM

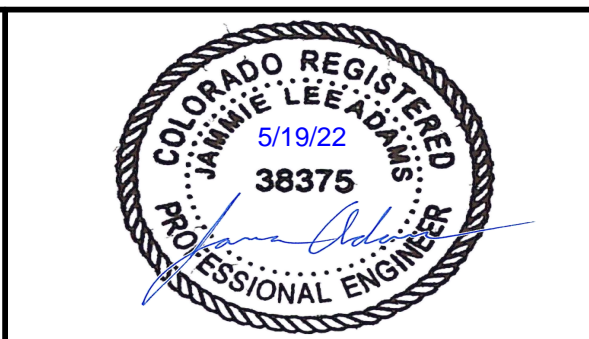
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ATTENTION
 LINE IS 2 INCHES
 AT FULL SIZE
 (IF NOT 2" SCALE ACCORDINGLY)

PRELIMINARY
 DRAWING
 NOT FOR
 CONSTRUCTION



FORSGREN
 Associates Inc.
 56 INVERNESS DRIVE EAST #112, ENGLEWOOD, CO 80112
 PH: 720.232.6644



TOWN OF MONUMENT WATERLINE
GRADING AND EROSION CONTROL PLAN
PIPELINE ALIGNMENTS
 STA 12+00 TO STA 24+00

| | |
|-------------|------------|
| PROJECT NO: | 04-20-0153 |
| SHEET NO: | 5 |
| DATE: | NOV, 2021 |
| PAGE NO: | 5 OF 25 |

TOWN OF MONUMENT - WATERLINE
 SITE DEVELOPMENT PLANS - PIPELINES
 LOT 6, FOREST VIEW ESTATES FILING NO 4

LIMITS OF DISTURBANCE



LEGEND

| | |
|--------------------------|--------------|
| MATCH LINE | --- |
| CENTER LINE | --- |
| CONTROL LINE | --- |
| PROPERTY OR R/W LINE | --- |
| EASEMENT LINE | --- |
| STREET MONUMENT LINE | --- |
| WIRE FENCE | --- |
| CHAIN LINK FENCE | --- |
| BARBED WIRE FENCE | --- |
| CONTOUR LINE | --- |
| UNDERGROUND ELECTRIC | --- |
| OVERHEAD ELECTRIC | --- |
| ELECTRIC BOX | ⓔ |
| ELECTRIC MANHOLE | ⓔ |
| ELECTRIC METER | ⓔ |
| GAS LINE | --- |
| GAS VALVE | --- |
| GAS METER | --- |
| IRRIGATION LINE | IRR |
| SANITARY SEWER LINE | SS |
| SANITARY SEWER CLEANOUT | Ⓢ |
| SANITARY SEWER MANHOLE | Ⓢ |
| SECONDARY WATER LINE | SW |
| SECONDARY WATER VALVE | --- |
| SECONDARY WATER VAULT | --- |
| STORM DRAIN LINE | SD |
| STORM DRAIN CATCH BASIN | --- |
| STORM DRAIN INLET(S) | --- |
| STORM DRAIN COMBO BOX | --- |
| STORM DRAIN MANHOLE | --- |
| STORM DRAIN CLEANOUT BOX | --- |
| STORM DRAIN VAULT | --- |
| CULVERT | SD |
| TELEPHONE CABLE | COMM |
| TELEPHONE BOX | --- |
| TELEPHONE MANHOLE | --- |
| TELEPHONE POST | --- |
| WATER LINE | PW |
| FIRE HYDRANT | --- |
| FIRE RISER | --- |
| WATER VALVE | --- |
| WATER AIR RELEASE VALVE | --- |
| WATER METER | --- |
| UTILITY POLE & ANCHOR | OHE |
| POWER POLE | --- |
| STREET LIGHT | --- |
| LIGHT | --- |
| ASPHALT PAVING | --- |
| CURB & GUTTER | --- |
| SIDEWALK | --- |
| RAILROAD TRACKS | --- |
| GUARD RAIL | --- |
| SIGN | --- |
| STRUCTURE | --- |
| LANDSCAPING (TREES ETC.) | --- |
| SECTION CORNER | 12 11 4 3 |
| MONUMENT | --- |
| BENCH MARK | --- |
| SURVEY CONTROL POINT | CP800 |

LEGEND

| | |
|----------------|-----------------------------|
| VTC | VEHICLE TRACKING CONTROL |
| SF | SILT FENCE |
| ECB | EROSION CONTROL BLANKET |
| CD | ROCK CHECK DAM |
| LOC | LIMIT OF CONSTRUCTION |
| CWA | CONCRETE WASH AREA |
| SSA | STABILIZED STAGING AREA |
| TOP | TEMPORARY OUTLET PROTECTION |
| FLOW DIRECTION | --- |
| ST | SEDIMENT TRAP |

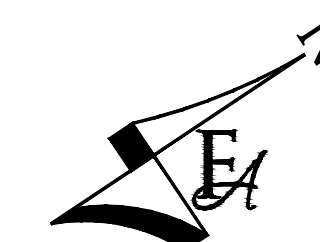
PHASE

| | |
|---------|-----|
| INITIAL | --- |
| FINAL | --- |
| INTERIM | --- |
| FINAL | --- |
| INTERIM | --- |
| INTERIM | --- |
| INTERIM | --- |
| INTERIM | --- |
| INTERIM | --- |

GENERAL CONSTRUCTION NOTES:

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GRAPHIC SCALE



Scale: 1"=50'

PCD FILE NO. PPR-21-030

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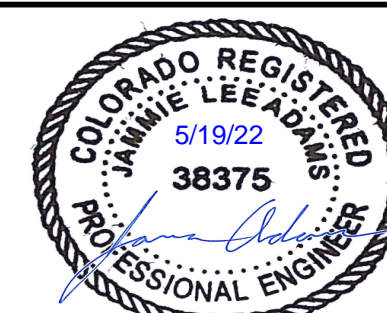
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|----------|----------|
| DRAWN | S. CALE |
| DESIGNED | J. ADAMS |
| APPROVED | J. ADAMS |
| QA | W. KOGER |

ATTENTION
 LINE IS 2 INCHES
 AT FULL SIZE
 (IF NOT 2" SCALE ACCORDINGLY)

**PRELIMINARY
 DRAWING
 NOT FOR
 CONSTRUCTION**



FORSGREN
Associates Inc.
 56 INVERNESS DRIVE EAST #112, ENGLEWOOD, CO 80112
 PH: 720.232.6644



**TOWN OF MONUMENT WATERLINE
 GRADING AND EROSION CONTROL PLAN
 PIPELINE ALIGNMENTS**

STA 24+00 TO STA 36+00

| | |
|-------------|------------|
| PROJECT NO: | 04-20-0153 |
| SHEET NO: | 6 |
| DATE: | NOV, 2021 |
| PAGE NO: | 6 OF 25 |

TOWN OF MONUMENT - WATERLINE
SITE DEVELOPMENT PLANS - PIPELINES
LOT 6, FOREST VIEW ESTATES FILING NO 4

LIMITS OF DISTURBANCE



LEGEND

| | |
|--------------------------|-----|
| MATCH LINE | --- |
| CENTER LINE | --- |
| CONTROL LINE | --- |
| PROPERTY OR R/W LINE | --- |
| EASEMENT LINE | --- |
| STREET MONUMENT LINE | --- |
| WIRE FENCE | --- |
| CHAIN LINK FENCE | --- |
| BARBED WIRE FENCE | --- |
| CONTOUR LINE | --- |
| UNDERGROUND ELECTRIC | --- |
| OVERHEAD ELECTRIC | --- |
| ELECTRIC BOX | --- |
| ELECTRIC MANHOLE | --- |
| ELECTRIC METER | --- |
| GAS LINE | --- |
| GAS VALVE | --- |
| GAS METER | --- |
| IRRIGATION LINE | --- |
| SANITARY SEWER LINE | --- |
| SANITARY SEWER CLEANOUT | --- |
| SANITARY SEWER MANHOLE | --- |
| SECONDARY WATER LINE | --- |
| SECONDARY WATER VALVE | --- |
| SECONDARY WATER VAULT | --- |
| STORM DRAIN LINE | --- |
| STORM DRAIN CATCH BASIN | --- |
| STORM DRAIN INLET(S) | --- |
| STORM DRAIN COMBO BOX | --- |
| STORM DRAIN MANHOLE | --- |
| STORM DRAIN CLEANOUT BOX | --- |
| STORM DRAIN VAULT | --- |
| CULVERT | --- |
| TELEPHONE CABLE | --- |
| TELEPHONE BOX | --- |
| TELEPHONE MANHOLE | --- |
| TELEPHONE POST | --- |
| WATER LINE | --- |
| FIRE HYDRANT | --- |
| FIRE RISER | --- |
| WATER VALVE | --- |
| WATER AIR RELEASE VALVE | --- |
| WATER METER | --- |
| UTILITY POLE & ANCHOR | --- |
| POWER POLE | --- |
| STREET LIGHT | --- |
| LIGHT | --- |
| ASPHALT PAVING | --- |
| CURB & GUTTER | --- |
| SIDEWALK | --- |
| RAILROAD TRACKS | --- |
| GUARD RAIL | --- |
| SIGN | --- |
| STRUCTURE | --- |
| LANDSCAPING (TREES ETC.) | --- |
| SECTION CORNER | --- |
| MONUMENT | --- |
| BENCH MARK | --- |
| SURVEY CONTROL POINT | --- |



PROPOSED PIPELINE
ALIGNMENT
(2) 12-INCH
C900 PVC PIPES

CREEK CR
INSTAL
HORIZONTAL DIREC
DRILL

LEGEND

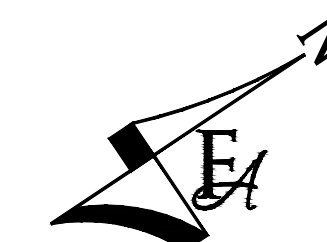
| | | | |
|----------------|-----------------------------|--|---------|
| VTC | VEHICLE TRACKING CONTROL | | INITIAL |
| SF | SILT FENCE | | INITIAL |
| ECB | EROSION CONTROL BLANKET | | FINAL |
| CD | ROCK CHECK DAM | | INTERIM |
| LOC | LIMIT OF CONSTRUCTION | | FINAL |
| CWA | CONCRETE WASH AREA | | INTERIM |
| SSA | STABILIZED STAGING AREA | | INTERIM |
| TOP | TEMPORARY OUTLET PROTECTION | | INTERIM |
| FLOW DIRECTION | | | |
| ST | SEDIMENT TRAP | | INTERIM |

PHASE

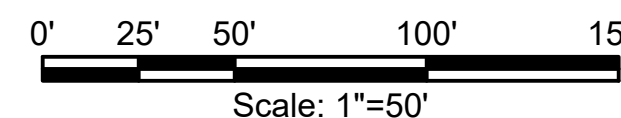
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GRAPHIC SCALE



PCD FILE NO. PPR-21-030

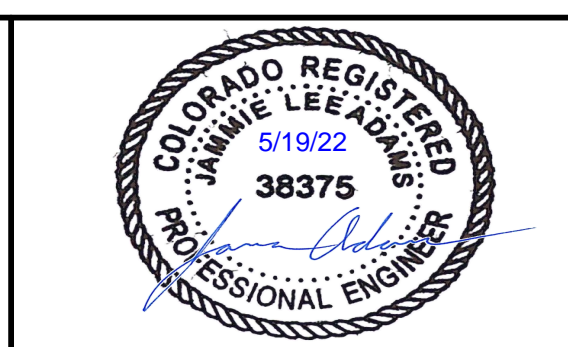
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| NO. | REVISIONS | BY | DATE |
| | | | |
| | | | |
| | | | |

DRAWN S. CALE
DESIGNED J. ADAMS
APPROVED J. ADAMS
QA W. KOGER

ATTENTION
LINE IS 2 INCHES
AT FULL SIZE
(IF NOT 2" SCALE ACCORDINGLY)



FORSGREN
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56 INVERNESS DRIVE EAST #112, ENGLEWOOD, CO 80112
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TOWN OF MONUMENT WATERLINE
GRADING AND EROSION CONTROL PLAN
PIPELINE ALIGNMENTS
STA 36+00 TO STA 48+00

| | |
|-------------|------------|
| PROJECT NO: | 04-20-0153 |
| SHEET NO: | 7 |
| DATE: | NOV, 2021 |
| PAGE NO: | 7 OF 25 |

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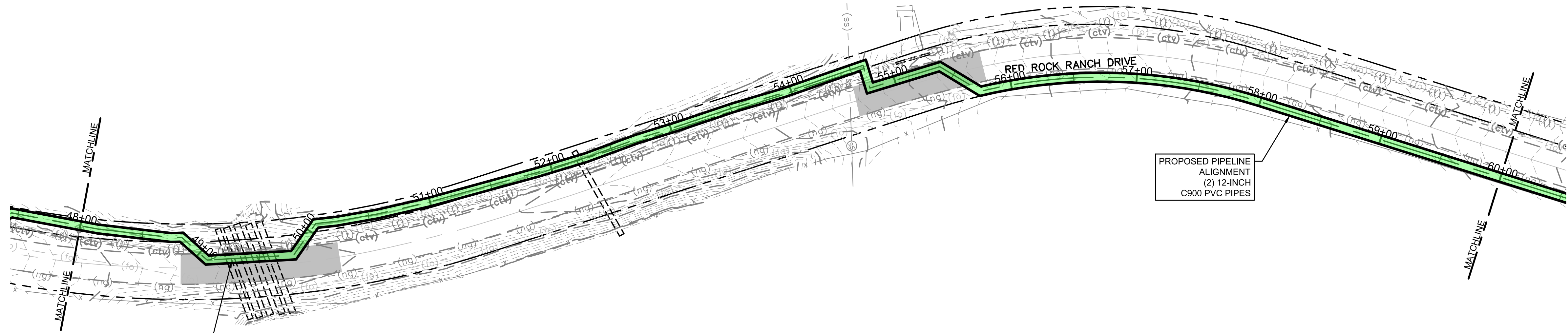
TOWN OF MONUMENT - WATERLINE
 SITE DEVELOPMENT PLANS - PIPELINES
 LOT 6, FOREST VIEW ESTATES FILING NO 4

LIMITS OF DISTURBANCE



LEGEND

| | |
|--------------------------|--------------|
| MATCH LINE | --- |
| CENTER LINE | --- |
| CONTROL LINE | --- |
| PROPERTY OR R/W LINE | --- |
| EASEMENT LINE | --- |
| STREET MONUMENT LINE | --- |
| WIRE FENCE | --- |
| CHAIN LINK FENCE | --- |
| BARBED WIRE FENCE | --- |
| CONTOUR LINE | --- |
| UNDERGROUND ELECTRIC | --- |
| OVERHEAD ELECTRIC | --- |
| ELECTRIC BOX | ⓔ |
| ELECTRIC MANHOLE | ⓔ |
| ELECTRIC METER | ⓔ |
| GAS LINE | --- |
| GAS VALVE | --- |
| GAS METER | --- |
| IRRIGATION LINE | IRR |
| SANITARY SEWER LINE | SS |
| SANITARY SEWER CLEANOUT | --- |
| SANITARY SEWER MANHOLE | Ⓢ |
| SECONDARY WATER LINE | SW |
| SECONDARY WATER VALVE | --- |
| SECONDARY WATER VAULT | --- |
| STORM DRAIN LINE | SD |
| STORM DRAIN CATCH BASIN | --- |
| STORM DRAIN INLET(S) | --- |
| STORM DRAIN COMBO BOX | --- |
| STORM DRAIN MANHOLE | --- |
| STORM DRAIN CLEANOUT BOX | --- |
| STORM DRAIN VAULT | --- |
| CULVERT | --- |
| TELEPHONE CABLE | COMM |
| TELEPHONE BOX | Ⓣ |
| TELEPHONE MANHOLE | Ⓣ |
| TELEPHONE POST | --- |
| WATER LINE | PW |
| FIRE HYDRANT | --- |
| FIRE RISER | --- |
| WATER VALVE | --- |
| WATER AIR RELEASE VALVE | --- |
| WATER METER | --- |
| UTILITY POLE & ANCHOR | OHE |
| POWER POLE | --- |
| STREET LIGHT | --- |
| LIGHT | --- |
| ASPHALT PAVING | --- |
| CURB & GUTTER | --- |
| SIDEWALK | --- |
| RAILROAD TRACKS | --- |
| GUARD RAIL | --- |
| SIGN | --- |
| STRUCTURE | --- |
| LANDSCAPING (TREES ETC.) | --- |
| SECTION CORNER | 12 11 4 3 |
| MONUMENT | --- |
| BENCH MARK | --- |
| SURVEY CONTROL POINT | CP800 |



LEGEND

| | |
|----------------|-----------------------------|
| VTC | VEHICLE TRACKING CONTROL |
| SF | SILT FENCE |
| ECB | EROSION CONTROL BLANKET |
| CD | ROCK CHECK DAM |
| LOC | LIMIT OF CONSTRUCTION |
| CWA | CONCRETE WASH AREA |
| SSA | STABILIZED STAGING AREA |
| TOP | TEMPORARY OUTLET PROTECTION |
| FLOW DIRECTION | --- |
| ST | SEDIMENT TRAP |

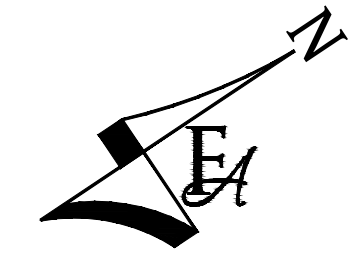
PHASE

| | |
|---------|-----|
| INITIAL | --- |
| INITIAL | --- |
| FINAL | --- |
| INTERIM | --- |
| FINAL | --- |
| INTERIM | --- |
| INTERIM | --- |
| INTERIM | --- |
| INTERIM | --- |
| INTERIM | --- |

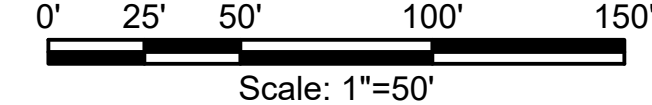
GENERAL CONSTRUCTION NOTES:

1. INSTALLATION OF ALL GRADING, EROSION CONTROL BMP'S SHALL BE PERFORMED IN ACCORDANCE WITH THE URBAN STORM DRAINAGE CRITERIA MANUAL VOLUME 3, CHAPTER 7. CONTRACTOR SHALL MAKE NO DEVIATIONS FROM THIS MANUAL DURING CONSTRUCTION.
2. ANY UNPAVED AREA THAT IS DISTURBED DURING CONSTRUCTION SHALL BE RESEEDDED AND MULCHED.

NOTE: NO PIPELINE CONSTRUCTION IS PERMITTED IN THE ROW UNTIL THE FINAL PIPELINE CONSTRUCTION PLANS HAVE BEEN APPROVED.



GRAPHIC SCALE



PCD FILE NO. PPR-21-030

P:\Clients\Monument\04-20-0153 Waterline & Storage Tank\CAD\Sheets\Civil\COUNTY SUBMITTALS\GEOPIPELINE\GEC - OVERALL PLAN VIEWS.dwg - 2/21/2022 2:24 PM

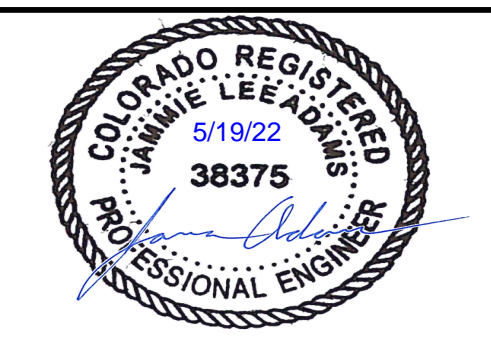
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ATTENTION
 LINE IS 2 INCHES
 AT FULL SIZE
 (IF NOT 2" SCALE ACCORDINGLY)

PRELIMINARY
 DRAWING
 NOT FOR
 CONSTRUCTION



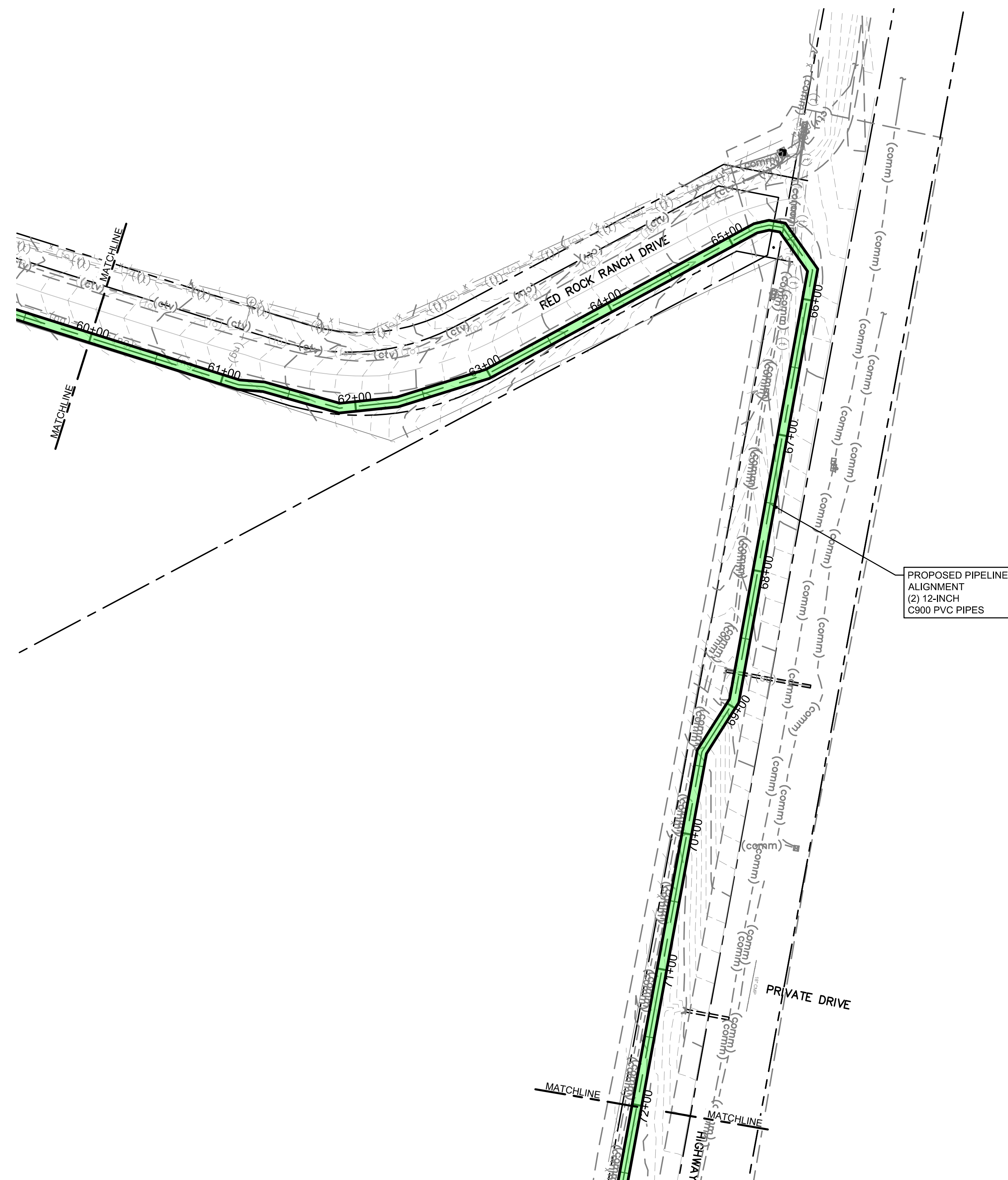
FORSGREN Associates Inc.
 56 INVERNESS DRIVE EAST #112, ENGLEWOOD, CO 80112
 PH: 720.232.6644



**TOWN OF MONUMENT WATERLINE
 GRADING AND EROSION CONTROL PLAN
 PIPELINE ALIGNMENTS**
 STA 48+00 TO STA 60+00

| | |
|-------------|------------|
| PROJECT NO: | 04-20-0153 |
| SHEET NO: | 8 |
| DATE: | NOV, 2021 |
| PAGE NO: | 8 OF 25 |

TOWN OF MONUMENT - WATERLINE
SITE DEVELOPMENT PLANS - PIPELINES
LOT 6, FOREST VIEW ESTATES FILING NO 4



PROPOSED PIPELINE
ALIGNMENT
(2) 12-INCH
C900 PVC PIPES

NOTE: NO PIPELINE CONSTRUCTION IS PERMITTED IN THE ROW UNTIL THE FINAL PIPELINE CONSTRUCTION PLANS HAVE BEEN APPROVED.

LEGEND

- (VTC) VEHICLE TRACKING CONTROL
- (SF) SILT FENCE
- (ECB) EROSION CONTROL BLANKET
- (CD) ROCK CHECK DAM
- (LOC) LIMIT OF CONSTRUCTION
- (CWA) CONCRETE WASH AREA
- (SSA) STABILIZED STAGING AREA
- (TOP) TEMPORARY OUTLET PROTECTION
- FLOW DIRECTION
- (ST) SEDIMENT TRAP

PHASE

- INITIAL
- INITIAL
- FINAL
- INTERIM
- FINAL
- INTERIM
- INTERIM
- INTERIM
- INTERIM
- INTERIM

GENERAL CONSTRUCTION NOTES:

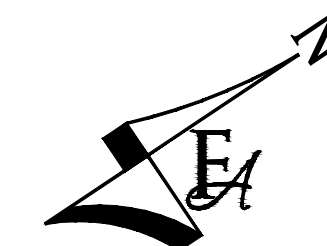
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LIMITS OF DISTURBANCE

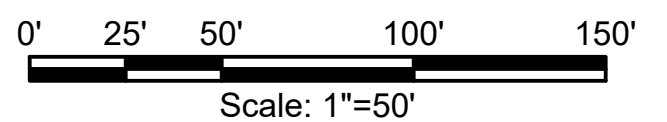
- DOUBLE PIPE TRENCH
- SINGLE PIPE TRENCH

LEGEND

- MATCH LINE
- CENTER LINE
- CONTROL LINE
- PROPERTY OR R/W LINE
- EASEMENT LINE
- STREET MONUMENT LINE
- WIRE FENCE
- CHAIN LINK FENCE
- BARBED WIRE FENCE
- CONTOUR LINE
- UNDERGROUND ELECTRIC
- OVERHEAD ELECTRIC
- ELECTRIC BOX
- ELECTRIC MANHOLE
- ELECTRIC METER
- GAS LINE
- GAS VALVE
- GAS METER
- IRRIGATION LINE
- SANITARY SEWER LINE
- SANITARY SEWER CLEANOUT
- SANITARY SEWER MANHOLE
- SECONDARY WATER LINE
- SECONDARY WATER VALVE
- SECONDARY WATER VAULT
- STORM DRAIN LINE
- STORM DRAIN CATCH BASIN
- STORM DRAIN INLET(S)
- STORM DRAIN COMBO BOX
- STORM DRAIN MANHOLE
- STORM DRAIN CLEANOUT BOX
- STORM DRAIN VAULT
- CULVERT
- TELEPHONE CABLE
- TELEPHONE BOX
- TELEPHONE MANHOLE
- TELEPHONE POST
- WATER LINE
- FIRE HYDRANT
- FIRE RISER
- WATER VALVE
- WATER AIR RELEASE VALVE
- WATER METER
- UTILITY POLE & ANCHOR
- POWER POLE
- STREET LIGHT
- LIGHT
- ASPHALT PAVING
- CURB & GUTTER
- SIDEWALK
- RAILROAD TRACKS
- GUARD RAIL
- SIGN
- STRUCTURE
- LANDSCAPING (TREES ETC.)
- SECTION CORNER
- MONUMENT
- BENCH MARK
- SURVEY CONTROL POINT



GRAPHIC SCALE



PCD FILE NO. PPR-21-030

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| NO. | REVISIONS | BY | DATE |
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| DRAWN | S. CALE |
| DESIGNED | J. ADAMS |
| APPROVED | J. ADAMS |
| QA | W. KOGER |

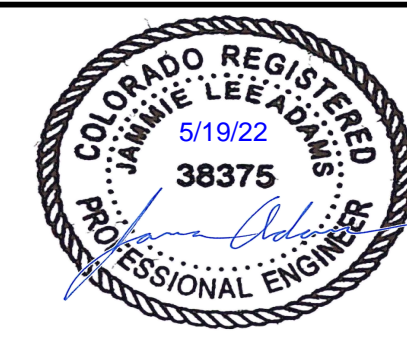
ATTENTION
LINE IS 2 INCHES
AT FULL SIZE
(IF NOT 2" SCALE ACCORDINGLY)

**PRELIMINARY
DRAWING
NOT FOR
CONSTRUCTION**



FORSGREN
Associates Inc.

56 INVERNESS DRIVE EAST #112, ENGLEWOOD, CO 80112
PH: 720.232.6644



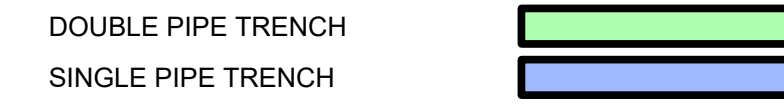
**TOWN OF MONUMENT WATERLINE
GRADING AND EROSION CONTROL PLAN
PIPELINE ALIGNMENTS**

STA 60+00 TO STA 72+00

| | |
|-------------|------------|
| PROJECT NO: | 04-20-0153 |
| SHEET NO: | 9 |
| DATE: | NOV, 2021 |
| PAGE NO: | 9 OF 25 |

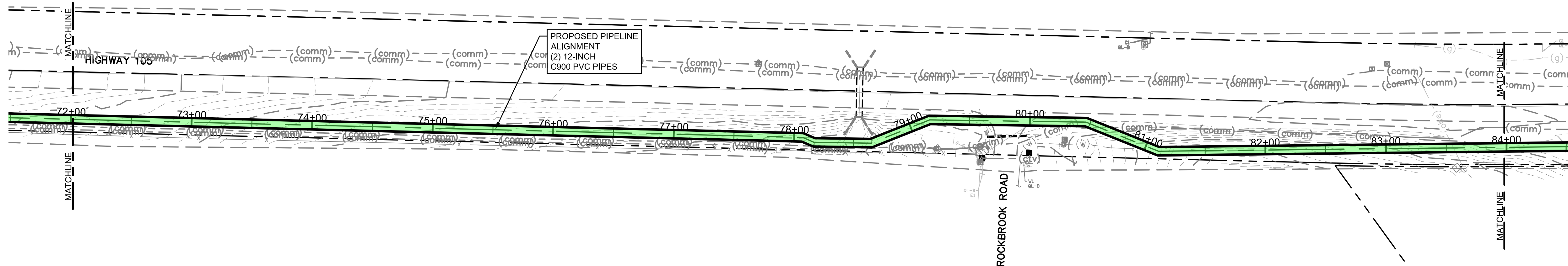
TOWN OF MONUMENT - WATERLINE
 SITE DEVELOPMENT PLANS - PIPELINES
 LOT 6, FOREST VIEW ESTATES FILING NO 4

LIMITS OF DISTURBANCE



LEGEND

| | |
|--------------------------|--------------|
| MATCH LINE | --- |
| CENTER LINE | --- |
| CONTROL LINE | --- |
| PROPERTY OR R/W LINE | --- |
| EASEMENT LINE | --- |
| STREET MONUMENT LINE | --- |
| WIRE FENCE | --- |
| CHAIN LINK FENCE | --- |
| BARBED WIRE FENCE | --- |
| CONTOUR LINE | --- |
| UNDERGROUND ELECTRIC | --- |
| OVERHEAD ELECTRIC | --- |
| ELECTRIC BOX | ⓔ |
| ELECTRIC MANHOLE | ⓔ |
| ELECTRIC METER | ⓔ |
| GAS LINE | --- |
| GAS VALVE | --- |
| GAS METER | --- |
| IRRIGATION LINE | IRR |
| SANITARY SEWER LINE | SS |
| SANITARY SEWER CLEANOUT | Ⓢ |
| SANITARY SEWER MANHOLE | Ⓢ |
| SECONDARY WATER LINE | SW |
| SECONDARY WATER VALVE | --- |
| SECONDARY WATER VAULT | --- |
| STORM DRAIN LINE | SD |
| STORM DRAIN CATCH BASIN | --- |
| STORM DRAIN INLET(S) | --- |
| STORM DRAIN COMBO BOX | --- |
| STORM DRAIN MANHOLE | --- |
| STORM DRAIN CLEANOUT BOX | --- |
| STORM DRAIN VAULT | --- |
| CULVERT | SD |
| TELEPHONE CABLE | COMM |
| TELEPHONE BOX | Ⓣ |
| TELEPHONE MANHOLE | Ⓣ |
| TELEPHONE POST | Ⓣ |
| WATER LINE | PW |
| FIRE HYDRANT | --- |
| FIRE RISER | --- |
| WATER VALVE | --- |
| WATER AIR RELEASE VALVE | --- |
| WATER METER | --- |
| UTILITY POLE & ANCHOR | OHE |
| POWER POLE | ⓐ |
| STREET LIGHT | --- |
| LIGHT | --- |
| ASPHALT PAVING | --- |
| CURB & GUTTER | --- |
| SIDEWALK | --- |
| RAILROAD TRACKS | --- |
| GUARD RAIL | --- |
| SIGN | --- |
| STRUCTURE | --- |
| LANDSCAPING (TREES ETC.) | --- |
| SECTION CORNER | 12 11 4 3 |
| MONUMENT | --- |
| BENCH MARK | --- |
| SURVEY CONTROL POINT | △ CP800 |



LEGEND

| | |
|-----|-----------------------------|
| VTC | VEHICLE TRACKING CONTROL |
| SF | SILT FENCE |
| ECB | EROSION CONTROL BLANKET |
| CD | ROCK CHECK DAM |
| LOC | LIMIT OF CONSTRUCTION |
| CWA | CONCRETE WASH AREA |
| SSA | STABILIZED STAGING AREA |
| TOP | TEMPORARY OUTLET PROTECTION |
| ST | SEDIMENT TRAP |

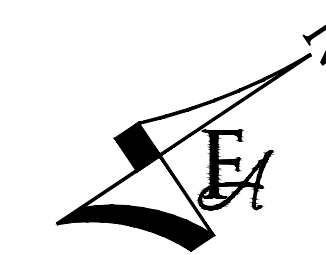
PHASE

| | |
|---------|-----|
| INITIAL | --- |
| INITIAL | SF |
| FINAL | --- |
| INTERIM | --- |
| FINAL | X |
| INTERIM | --- |
| INTERIM | --- |
| INTERIM | --- |
| INTERIM | --- |
| INTERIM | --- |
| INTERIM | --- |

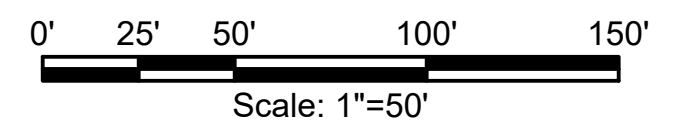
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GRAPHIC SCALE



PCD FILE NO. PPR-21-030

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| NO. | REVISIONS | BY | DATE |
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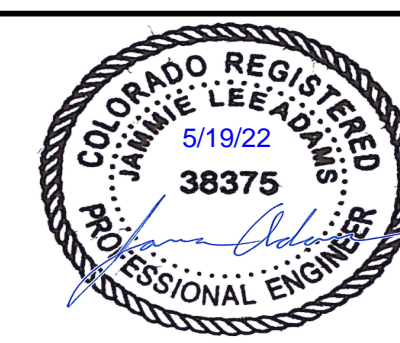
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|----------|----------|
| DRAWN | S. CALE |
| DESIGNED | J. ADAMS |
| APPROVED | J. ADAMS |
| QA | W. KOGER |

ATTENTION
 LINE IS 2 INCHES
 AT FULL SIZE
 (IF NOT 2" SCALE ACCORDINGLY)

**PRELIMINARY
 DRAWING
 NOT FOR
 CONSTRUCTION**



FORSGREN
Associates Inc.
 56 INVERNESS DRIVE EAST #112, ENGLEWOOD, CO 80112
 PH: 720.232.6644



**TOWN OF MONUMENT WATERLINE
 GRADING AND EROSION CONTROL PLAN
 PIPELINE ALIGNMENTS**
 STA 72+00 TO STA 84+00

| | |
|-------------|------------|
| PROJECT NO: | 04-20-0153 |
| SHEET NO: | 10 |
| DATE: | NOV, 2021 |
| PAGE NO: | 10 OF 25 |

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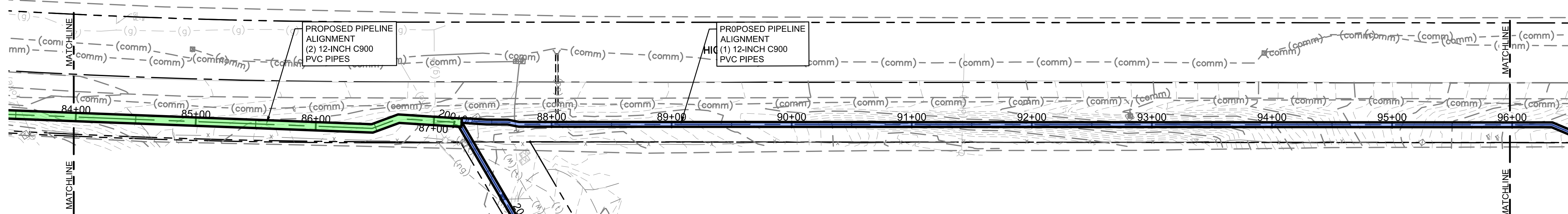
TOWN OF MONUMENT - WATERLINE
 SITE DEVELOPMENT PLANS - PIPELINES
 LOT 6, FOREST VIEW ESTATES FILING NO 4

LIMITS OF DISTURBANCE



LEGEND

| | |
|--------------------------|--------------|
| MATCH LINE | --- |
| CENTER LINE | --- |
| CONTROL LINE | --- |
| PROPERTY OR R/W LINE | --- |
| EASEMENT LINE | --- |
| STREET MONUMENT LINE | --- |
| WIRE FENCE | --- |
| CHAIN LINK FENCE | --- |
| BARBED WIRE FENCE | --- |
| CONTOUR LINE | --- |
| UNDERGROUND ELECTRIC | --- |
| OVERHEAD ELECTRIC | --- |
| ELECTRIC BOX | ⓔ |
| ELECTRIC MANHOLE | ⓔ |
| ELECTRIC METER | ⓔ |
| GAS LINE | --- |
| GAS VALVE | --- |
| GAS METER | --- |
| IRRIGATION LINE | IRR |
| SANITARY SEWER LINE | SS |
| SANITARY SEWER CLEANOUT | Ⓢ |
| SANITARY SEWER MANHOLE | Ⓢ |
| SECONDARY WATER LINE | SW |
| SECONDARY WATER VALVE | --- |
| SECONDARY WATER VAULT | --- |
| STORM DRAIN LINE | SD |
| STORM DRAIN CATCH BASIN | --- |
| STORM DRAIN INLET(S) | --- |
| STORM DRAIN COMBO BOX | --- |
| STORM DRAIN MANHOLE | --- |
| STORM DRAIN CLEANOUT BOX | --- |
| STORM DRAIN VAULT | --- |
| CULVERT | --- |
| TELEPHONE CABLE | COMM |
| TELEPHONE BOX | Ⓣ |
| TELEPHONE MANHOLE | Ⓣ |
| TELEPHONE POST | --- |
| WATER LINE | PW |
| FIRE HYDRANT | --- |
| FIRE RISER | --- |
| WATER VALVE | --- |
| WATER AIR RELEASE VALVE | --- |
| WATER METER | --- |
| UTILITY POLE & ANCHOR | OHE |
| POWER POLE | --- |
| STREET LIGHT | --- |
| LIGHT | --- |
| ASPHALT PAVING | --- |
| CURB & GUTTER | --- |
| SIDEWALK | --- |
| RAILROAD TRACKS | --- |
| GUARD RAIL | --- |
| SIGN | --- |
| STRUCTURE | --- |
| LANDSCAPING (TREES ETC.) | --- |
| SECTION CORNER | 12 11 4 3 |
| MONUMENT | --- |
| BENCH MARK | --- |
| SURVEY CONTROL POINT | CP800 |



LEGEND

| | |
|-----|-----------------------------|
| VTC | VEHICLE TRACKING CONTROL |
| SF | SILT FENCE |
| ECB | EROSION CONTROL BLANKET |
| CD | ROCK CHECK DAM |
| LOC | LIMIT OF CONSTRUCTION |
| CWA | CONCRETE WASH AREA |
| SSA | STABILIZED STAGING AREA |
| TOP | TEMPORARY OUTLET PROTECTION |
| ST | SEDIMENT TRAP |
| --- | FLOW DIRECTION |

PHASE

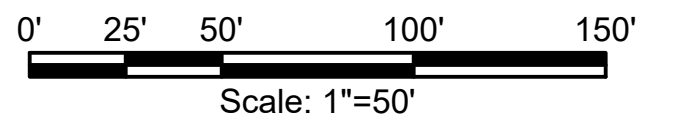
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| --- | INTERIM |
| --- | INTERIM |
| --- | INTERIM |
| --- | INTERIM |

GENERAL CONSTRUCTION NOTES:

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GRAPHIC SCALE



PCD FILE NO. PPR-21-030

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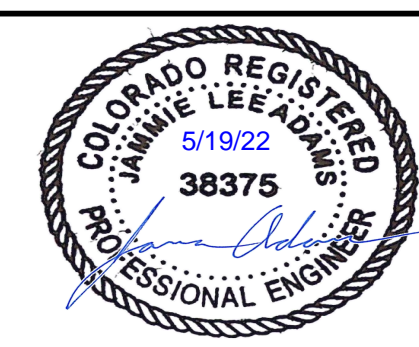
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| DRAWN | S. CALE |
| DESIGNED | J. ADAMS |
| APPROVED | J. ADAMS |
| QA | W. KOGER |

ATTENTION
 LINE IS 2 INCHES
 AT FULL SIZE
 (IF NOT 2" SCALE ACCORDINGLY)

PRELIMINARY
 DRAWING
 NOT FOR
 CONSTRUCTION



FORSGREN
Associates Inc.
 56 INVERNESS DRIVE EAST #112, ENGLEWOOD, CO 80112
 PH: 720.232.6644

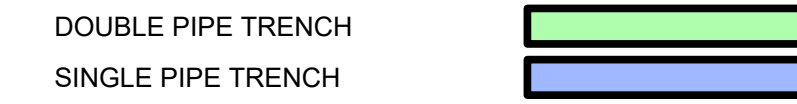


TOWN OF MONUMENT WATERLINE
GRADING AND EROSION CONTROL PLAN
PIPELINE ALIGNMENTS
 STA 84+00 TO STA 96+00

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| PROJECT NO: | 04-20-0153 |
| SHEET NO: | 11 |
| DATE: | NOV, 2021 |
| PAGE NO: | 11 OF 25 |

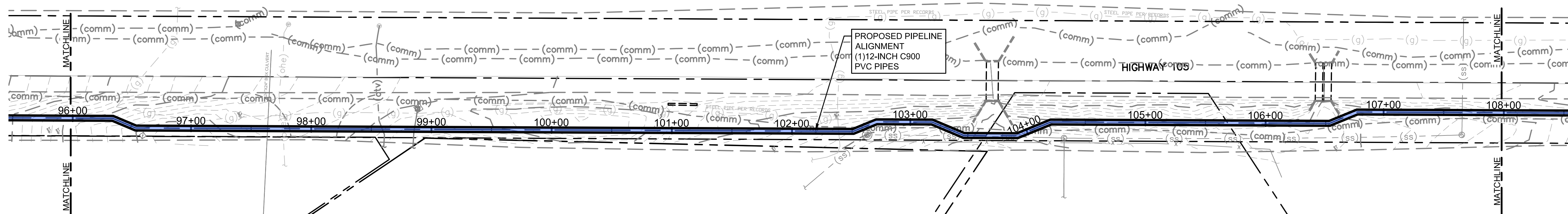
TOWN OF MONUMENT - WATERLINE
 SITE DEVELOPMENT PLANS - PIPELINES
 LOT 6, FOREST VIEW ESTATES FILING NO 4

LIMITS OF DISTURBANCE



LEGEND

| | |
|--------------------------|--------------|
| MATCH LINE | --- |
| CENTER LINE | --- |
| CONTROL LINE | --- |
| PROPERTY OR R/W LINE | --- |
| EASEMENT LINE | --- |
| STREET MONUMENT LINE | --- |
| WIRE FENCE | --- |
| CHAIN LINK FENCE | --- |
| BARBED WIRE FENCE | --- |
| CONTOUR LINE | --- |
| UNDERGROUND ELECTRIC | --- |
| OVERHEAD ELECTRIC | --- |
| ELECTRIC BOX | ⓔ |
| ELECTRIC MANHOLE | ⓔ |
| ELECTRIC METER | ⓔ |
| GAS LINE | --- |
| GAS VALVE | --- |
| GAS METER | --- |
| IRRIGATION LINE | IRR |
| SANITARY SEWER LINE | SS |
| SANITARY SEWER CLEANOUT | Ⓢ |
| SANITARY SEWER MANHOLE | Ⓢ |
| SECONDARY WATER LINE | SW |
| SECONDARY WATER VALVE | --- |
| SECONDARY WATER VAULT | --- |
| STORM DRAIN LINE | SD |
| STORM DRAIN CATCH BASIN | --- |
| STORM DRAIN INLET(S) | --- |
| STORM DRAIN COMBO BOX | --- |
| STORM DRAIN MANHOLE | --- |
| STORM DRAIN CLEANOUT BOX | --- |
| STORM DRAIN VAULT | --- |
| CULVERT | --- |
| TELEPHONE CABLE | COMM |
| TELEPHONE BOX | --- |
| TELEPHONE MANHOLE | --- |
| TELEPHONE POST | --- |
| WATER LINE | PW |
| FIRE HYDRANT | --- |
| FIRE RISER | --- |
| WATER VALVE | --- |
| WATER AIR RELEASE VALVE | --- |
| WATER METER | --- |
| UTILITY POLE & ANCHOR | OHE |
| POWER POLE | --- |
| STREET LIGHT | --- |
| LIGHT | --- |
| ASPHALT PAVING | --- |
| CURB & GUTTER | --- |
| SIDEWALK | --- |
| RAILROAD TRACKS | --- |
| GUARD RAIL | --- |
| SIGN | --- |
| STRUCTURE | --- |
| LANDSCAPING (TREES ETC.) | --- |
| SECTION CORNER | 12 11 4 3 |
| MONUMENT | --- |
| BENCH MARK | --- |
| SURVEY CONTROL POINT | CP800 |



LEGEND

| | |
|------|-----------------------------|
| VTC | VEHICLE TRACKING CONTROL |
| SF | SILT FENCE |
| ECB | EROSION CONTROL BLANKET |
| CD | ROCK CHECK DAM |
| LOC | LIMIT OF CONSTRUCTION |
| CWA | CONCRETE WASH AREA |
| SSA | STABILIZED STAGING AREA |
| TOP | TEMPORARY OUTLET PROTECTION |
| ST | SEDIMENT TRAP |
| FLOW | FLOW DIRECTION |

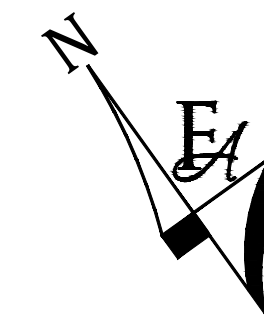
PHASE

| | |
|---------|---------|
| INITIAL | INITIAL |
| FINAL | FINAL |
| INTERIM | INTERIM |
| FINAL | FINAL |
| INTERIM | INTERIM |
| INTERIM | INTERIM |
| INTERIM | INTERIM |
| INTERIM | INTERIM |

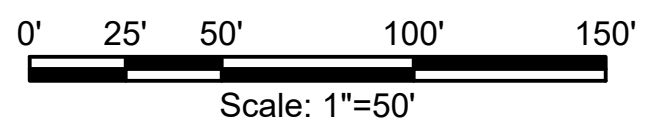
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GRAPHIC SCALE



PCD FILE NO. PPR-21-030

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| NO. | REVISIONS | BY | DATE |
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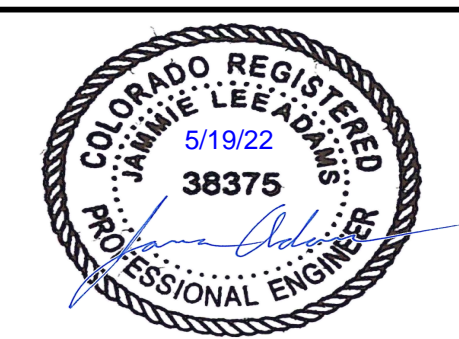
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|----------|----------|
| DRAWN | S. CALE |
| DESIGNED | J. ADAMS |
| APPROVED | J. ADAMS |
| QA | W. KOGER |

ATTENTION
 LINE IS 2 INCHES
 AT FULL SIZE
 (IF NOT 2" SCALE ACCORDINGLY)

**PRELIMINARY
 DRAWING
 NOT FOR
 CONSTRUCTION**



FORSGREN Associates Inc.
 56 INVERNESS DRIVE EAST #112, ENGLEWOOD, CO 80112
 PH: 720.232.6644



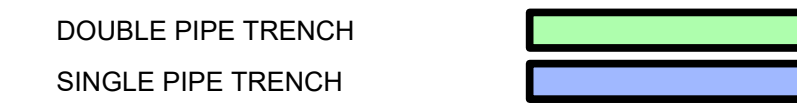
**TOWN OF MONUMENT WATERLINE
 GRADING AND EROSION CONTROL PLAN
 PIPELINE ALIGNMENTS**
 STA 96+00 TO STA 108+00

| | |
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| PROJECT NO: | 04-20-0153 |
| SHEET NO: | 12 |
| DATE: | NOV, 2021 |
| PAGE NO: | 12 OF 25 |

P:\Clients\Monument\04-20-0153 Waterline & Storage Tank\CAD\Sheets\Civil\COUNTY SUBMITTALS\GEOPIPELINE\GEC - OVERALL PLAN VIEWS.dwg - 2/21/2022 2:40 PM

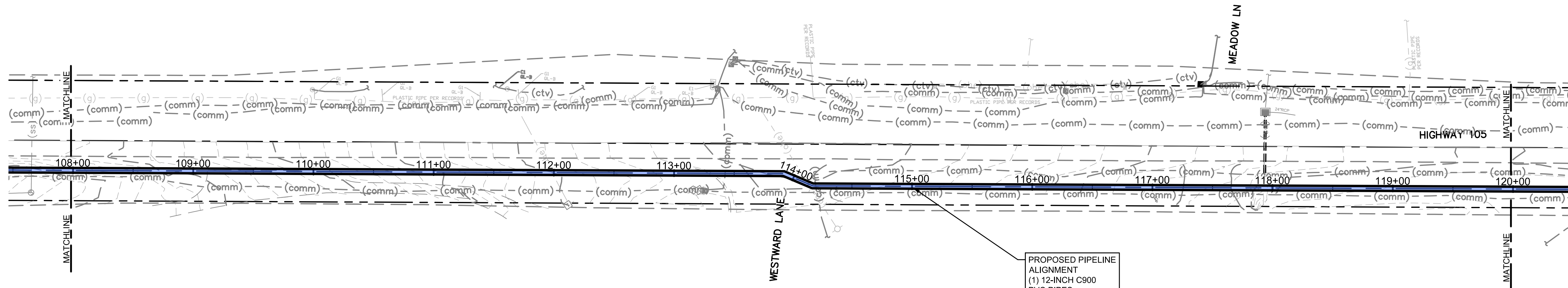
TOWN OF MONUMENT - WATERLINE
 SITE DEVELOPMENT PLANS - PIPELINES
 LOT 6, FOREST VIEW ESTATES FILING NO 4

LIMITS OF DISTURBANCE



LEGEND

| | |
|--------------------------|--------------|
| MATCH LINE | --- |
| CENTER LINE | --- |
| CONTROL LINE | --- |
| PROPERTY OR R/W LINE | --- |
| EASEMENT LINE | --- |
| STREET MONUMENT LINE | --- |
| WIRE FENCE | --- |
| CHAIN LINK FENCE | --- |
| BARBED WIRE FENCE | --- |
| CONTOUR LINE | --- |
| UNDERGROUND ELECTRIC | --- |
| OVERHEAD ELECTRIC | --- |
| ELECTRIC BOX | (E) |
| ELECTRIC MANHOLE | (E) |
| ELECTRIC METER | (E) |
| GAS LINE | --- |
| GAS VALVE | (G) |
| GAS METER | (G) |
| IRRIGATION LINE | IRR |
| SANITARY SEWER LINE | SS |
| SANITARY SEWER CLEANOUT | (S) |
| SANITARY SEWER MANHOLE | (S) |
| SECONDARY WATER LINE | SW |
| SECONDARY WATER VALVE | (SW) |
| SECONDARY WATER VAULT | (SW) |
| STORM DRAIN LINE | SD |
| STORM DRAIN CATCH BASIN | (SD) |
| STORM DRAIN INLET(S) | (SD) |
| STORM DRAIN COMBO BOX | (SD) |
| STORM DRAIN MANHOLE | (D) |
| STORM DRAIN CLEANOUT BOX | (D) |
| STORM DRAIN VAULT | (SD) |
| CULVERT | SD |
| TELEPHONE CABLE | COMM |
| TELEPHONE BOX | (T) |
| TELEPHONE MANHOLE | (T) |
| TELEPHONE POST | (T) |
| WATER LINE | PW |
| FIRE HYDRANT | (F) |
| FIRE RISER | (F) |
| WATER VALVE | (W) |
| WATER AIR RELEASE VALVE | (W) |
| WATER METER | (W) |
| UTILITY POLE & ANCHOR | OHE |
| POWER POLE | (P) |
| STREET LIGHT | (L) |
| LIGHT | (L) |
| ASPHALT PAVING | --- |
| CURB & GUTTER | --- |
| SIDEWALK | --- |
| RAILROAD TRACKS | --- |
| GUARD RAIL | --- |
| SIGN | --- |
| STRUCTURE | --- |
| LANDSCAPING (TREES ETC.) | --- |
| SECTION CORNER | 12 11 4 3 |
| MONUMENT | (M) |
| BENCH MARK | (B) |
| SURVEY CONTROL POINT | CP800 |



LEGEND

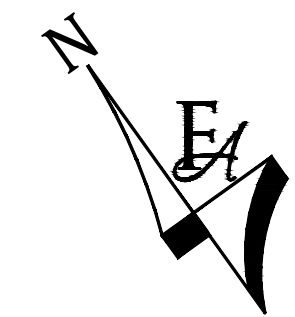
| | | | |
|-------|-----------------------------|-----------|---------|
| (VTC) | VEHICLE TRACKING CONTROL | (Pattern) | INITIAL |
| (SF) | SILT FENCE | (SF) | INITIAL |
| (ECB) | EROSION CONTROL BLANKET | (Pattern) | FINAL |
| (CD) | ROCK CHECK DAM | (Pattern) | INTERIM |
| (LOC) | LIMIT OF CONSTRUCTION | (X) | FINAL |
| (CWA) | CONCRETE WASH AREA | (Oval) | INTERIM |
| (SSA) | STABILIZED STAGING AREA | (Pattern) | INTERIM |
| (TOP) | TEMPORARY OUTLET PROTECTION | (Pattern) | INTERIM |
| (ST) | SEDIMENT TRAP | (Pattern) | INTERIM |
| | FLOW DIRECTION | (Arrow) | |

PHASE

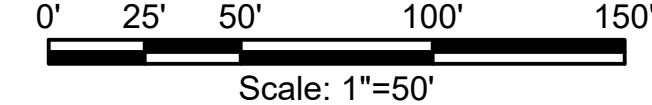
GENERAL CONSTRUCTION NOTES:

- INSTALLATION OF ALL GRADING, EROSION CONTROL BMP'S SHALL BE PERFORMED IN ACCORDANCE WITH THE URBAN STORM DRAINAGE CRITERIA MANUAL VOLUME 3, CHAPTER 7. CONTRACTOR SHALL MAKE NO DEVIATIONS FROM THIS MANUAL DURING CONSTRUCTION.
- ANY UNPAVED AREA THAT IS DISTURBED DURING CONSTRUCTION SHALL BE RESEEDED AND MULCHED.

NOTE: NO PIPELINE CONSTRUCTION IS PERMITTED IN THE ROW UNTIL THE FINAL PIPELINE CONSTRUCTION PLANS HAVE BEEN APPROVED.



GRAPHIC SCALE



PCD FILE NO. PPR-21-030

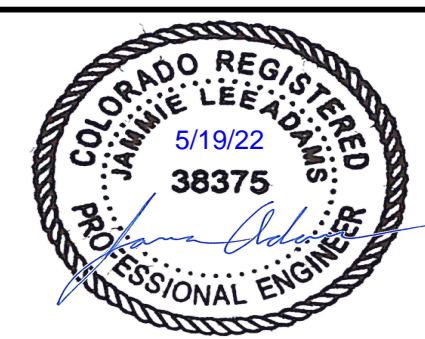
| | |
|----------|----------|
| DRAWN | S. CALE |
| DESIGNED | J. ADAMS |
| APPROVED | J. ADAMS |
| QA | W. KOGER |

ATTENTION
 LINE IS 2 INCHES
 AT FULL SIZE
 (IF NOT 2" SCALE ACCORDINGLY)

**PRELIMINARY
 DRAWING
 NOT FOR
 CONSTRUCTION**



FORSGREN
Associates Inc.
 56 INVERNESS DRIVE EAST #112, ENGLEWOOD, CO 80112
 PH: 720.232.6644



**TOWN OF MONUMENT WATERLINE
 GRADING AND EROSION CONTROL PLAN
 PIPELINE ALIGNMENTS**
 STA 108+00 TO STA 120+00

| | |
|-------------|------------|
| PROJECT NO: | 04-20-0153 |
| SHEET NO: | 13 |
| DATE: | NOV, 2021 |
| PAGE NO: | 13 OF 25 |

P:\Clients\Monument\04-20-0153 Waterline & Storage Tank\CAD\Sheets\Civil\COUNTY SUBMITTALS\GEOPIPELINE\GEC - OVERALL PLAN VIEWS.dwg - 21/1/2022 2:45 PM

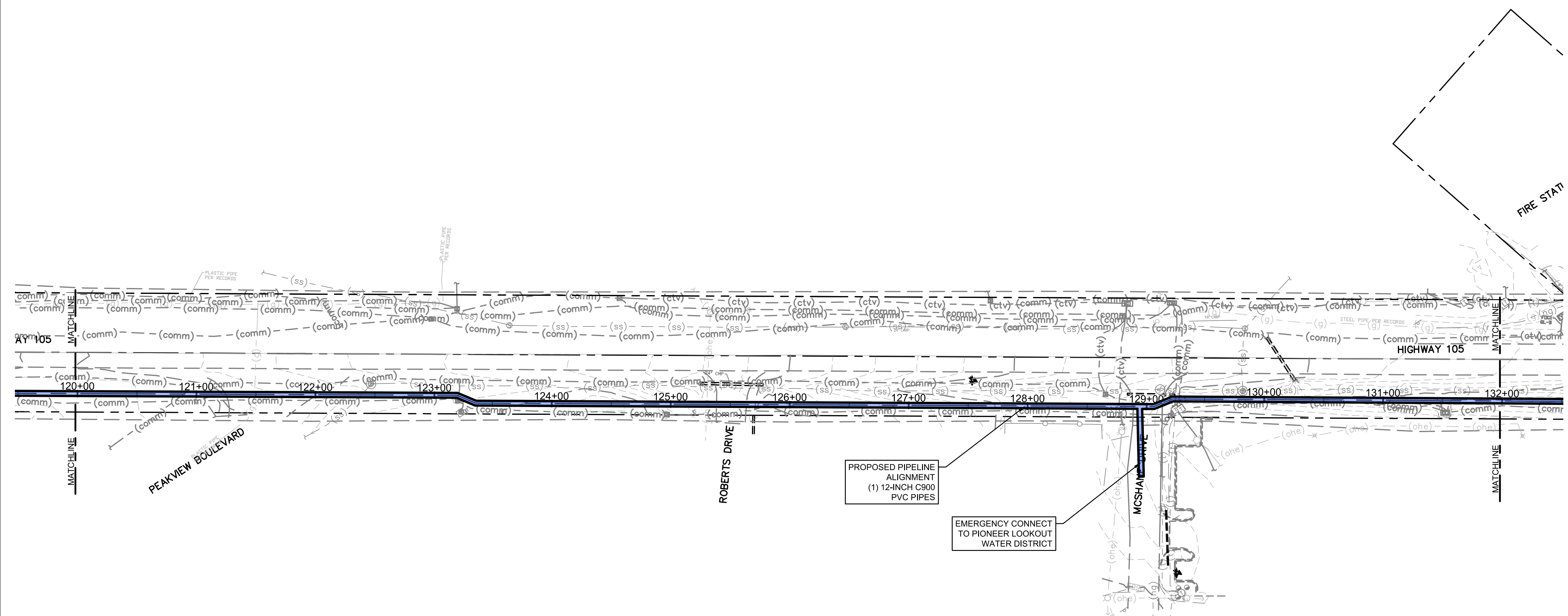
TOWN OF MONUMENT - WATERLINE
 SITE DEVELOPMENT PLANS - PIPELINES
 LOT 6, FOREST VIEW ESTATES FILING NO 4

LIMITS OF DISTURBANCE



LEGEND

| | |
|--------------------------|-----|
| MATCH LINE | --- |
| CENTER LINE | --- |
| CONTROL LINE | --- |
| PROPERTY OR R/W LINE | --- |
| EASEMENT LINE | --- |
| STREET MONUMENT LINE | --- |
| WIRE FENCE | --- |
| CHAIN LINK FENCE | --- |
| BARBED WIRE FENCE | --- |
| CONTOUR LINE | --- |
| UNDERGROUND ELECTRIC | --- |
| OVERHEAD ELECTRIC | --- |
| ELECTRIC BOX | ⊕ |
| ELECTRIC MANHOLE | ⊕ |
| ELECTRIC METER | ⊕ |
| GAS LINE | --- |
| GAS VALVE | ⊕ |
| GAS METER | ⊕ |
| IRRIGATION LINE | --- |
| SANITARY SEWER LINE | --- |
| SANITARY SEWER CLEANOUT | ⊕ |
| SANITARY SEWER MANHOLE | ⊕ |
| SECONDARY WATER LINE | --- |
| SECONDARY WATER VALVE | ⊕ |
| SECONDARY WATER VAULT | ⊕ |
| STORM DRAIN LINE | --- |
| STORM DRAIN CATCH BASIN | ⊕ |
| STORM DRAIN INLET(S) | ⊕ |
| STORM DRAIN COMBO BOX | ⊕ |
| STORM DRAIN MANHOLE | ⊕ |
| STORM DRAIN CLEANOUT BOX | ⊕ |
| STORM DRAIN VAULT | ⊕ |
| CULVERT | --- |
| TELEPHONE CABLE | --- |
| TELEPHONE BOX | ⊕ |
| TELEPHONE MANHOLE | ⊕ |
| TELEPHONE POST | ⊕ |
| WATER LINE | --- |
| FIRE HYDRANT | ⊕ |
| FIRE RISER | ⊕ |
| WATER VALVE | ⊕ |
| WATER AIR RELEASE VALVE | ⊕ |
| WATER METER | ⊕ |
| UTILITY POLE & ANCHOR | ⊕ |
| POWER POLE | ⊕ |
| STREET LIGHT | ⊕ |
| LIGHT | ⊕ |
| ASPHALT PAVING | --- |
| CURB & GUTTER | --- |
| SIDEWALK | --- |
| RAILROAD TRACKS | --- |
| GUARD RAIL | --- |
| SIGN | --- |
| STRUCTURE | --- |
| LANDSCAPING (TREES ETC.) | --- |
| SECTION CORNER | --- |
| MONUMENT | --- |
| BENCH MARK | --- |
| SURVEY CONTROL POINT | --- |



LEGEND

| | |
|------|-----------------------------|
| VTC | VEHICLE TRACKING CONTROL |
| SF | SILT FENCE |
| ECB | EROSION CONTROL BLANKET |
| CD | ROCK CHECK DAM |
| LOC | LIMIT OF CONSTRUCTION |
| CWA | CONCRETE WASH AREA |
| SSA | STABILIZED STAGING AREA |
| TOP | TEMPORARY OUTLET PROTECTION |
| FLOW | FLOW DIRECTION |
| ST | SEDIMENT TRAP |

PHASE

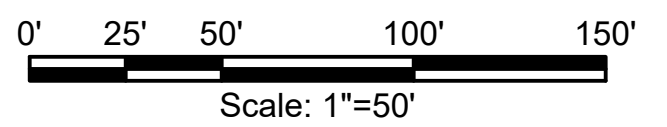
| | |
|---------|---------|
| INITIAL | INITIAL |
| FINAL | FINAL |
| INTERIM | INTERIM |
| FINAL | FINAL |
| INTERIM | INTERIM |
| INTERIM | INTERIM |
| INTERIM | INTERIM |
| INTERIM | INTERIM |

GENERAL CONSTRUCTION NOTES:

- INSTALLATION OF ALL GRADING, EROSION CONTROL BMP'S SHALL BE PERFORMED IN ACCORDANCE WITH THE URBAN STORM DRAINAGE CRITERIA MANUAL VOLUME 3, CHAPTER 7. CONTRACTOR SHALL MAKE NO DEVIATIONS FROM THIS MANUAL DURING CONSTRUCTION.
- ANY UNPAVED AREA THAT IS DISTURBED DURING CONSTRUCTION SHALL BE RESEEDED AND MULCHED.

NOTE: NO PIPELINE CONSTRUCTION IS PERMITTED IN THE ROW UNTIL THE FINAL PIPELINE CONSTRUCTION PLANS HAVE BEEN APPROVED.

GRAPHIC SCALE



PCD FILE NO. PPR-21-030

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| NO. | REVISIONS | BY | DATE |
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ATTENTION
 LINE IS 2 INCHES
 AT FULL SIZE
 (IF NOT 2" SCALE ACCORDINGLY)

PRELIMINARY
 DRAWING
 NOT FOR
 CONSTRUCTION



FORSGREN
 Associates Inc.
 56 INVERNESS DRIVE EAST #112, ENGLEWOOD, CO 80112
 PH: 720.232.6644



TOWN OF MONUMENT WATERLINE
GRADING AND EROSION CONTROL PLAN
PIPELINE ALIGNMENTS
 STA 120+00 TO STA 132+00

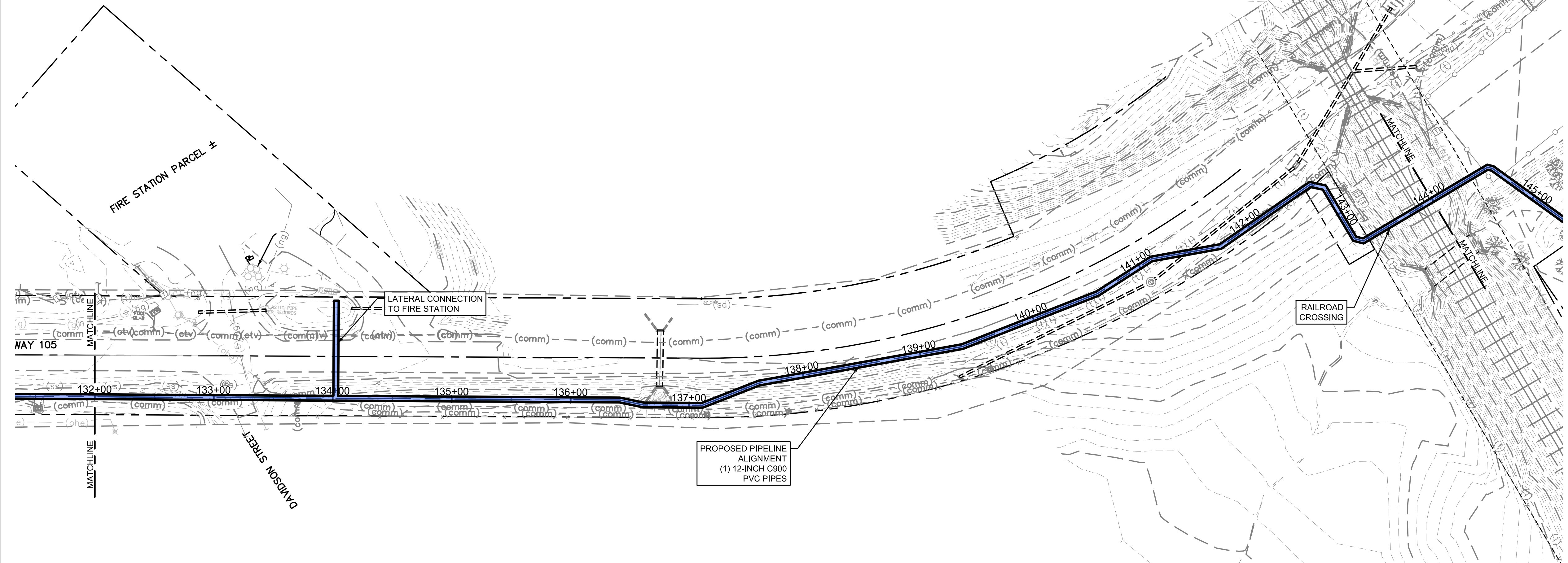
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| PROJECT NO: | 04-20-0153 |
| SHEET NO: | 14 |
| DATE: | NOV, 2021 |
| PAGE NO: | 14 OF 25 |

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TOWN OF MONUMENT - WATERLINE
 SITE DEVELOPMENT PLANS - PIPELINES
 LOT 6, FOREST VIEW ESTATES FILING NO 4

LEGEND

| | |
|--------------------------|--------------|
| MATCH LINE | --- |
| CENTER LINE | --- |
| CONTROL LINE | --- |
| PROPERTY OR R/W LINE | --- |
| EASEMENT LINE | --- |
| STREET MONUMENT LINE | --- |
| WIRE FENCE | --- |
| CHAIN LINK FENCE | --- |
| BARBED WIRE FENCE | --- |
| CONTOUR LINE | --- |
| UNDERGROUND ELECTRIC | --- |
| OVERHEAD ELECTRIC | --- |
| ELECTRIC BOX | ⓔ |
| ELECTRIC MANHOLE | ⓔ |
| ELECTRIC METER | ⓔ |
| GAS LINE | --- |
| GAS VALVE | --- |
| GAS METER | --- |
| IRRIGATION LINE | IRR |
| SANITARY SEWER LINE | SS |
| SANITARY SEWER CLEANOUT | --- |
| SANITARY SEWER MANHOLE | Ⓢ |
| SECONDARY WATER LINE | SW |
| SECONDARY WATER VALVE | --- |
| SECONDARY WATER VAULT | --- |
| STORM DRAIN LINE | SD |
| STORM DRAIN CATCH BASIN | --- |
| STORM DRAIN INLET(S) | --- |
| STORM DRAIN COMBO BOX | --- |
| STORM DRAIN MANHOLE | --- |
| STORM DRAIN CLEANOUT BOX | --- |
| STORM DRAIN VAULT | --- |
| CULVERT | --- |
| TELEPHONE CABLE | --- |
| TELEPHONE BOX | --- |
| TELEPHONE MANHOLE | --- |
| TELEPHONE POST | --- |
| WATER LINE | --- |
| FIRE HYDRANT | --- |
| FIRE RISER | --- |
| WATER VALVE | --- |
| WATER AIR RELEASE VALVE | --- |
| WATER METER | --- |
| UTILITY POLE & ANCHOR | --- |
| POWER POLE | --- |
| STREET LIGHT | --- |
| LIGHT | --- |
| ASPHALT PAVING | --- |
| CURB & GUTTER | --- |
| SIDEWALK | --- |
| RAILROAD TRACKS | --- |
| GUARD RAIL | --- |
| SIGN | --- |
| STRUCTURE | --- |
| LANDSCAPING (TREES ETC.) | --- |
| SECTION CORNER | 12 11 4 3 |
| MONUMENT | --- |
| BENCH MARK | --- |
| SURVEY CONTROL POINT | △ CP800 |



LEGEND

| | |
|------|-----------------------------|
| VTC | VEHICLE TRACKING CONTROL |
| SF | SILT FENCE |
| ECB | EROSION CONTROL BLANKET |
| CD | ROCK CHECK DAM |
| LOC | LIMIT OF CONSTRUCTION |
| CWA | CONCRETE WASH AREA |
| SSA | STABILIZED STAGING AREA |
| TOP | TEMPORARY OUTLET PROTECTION |
| ST | SEDIMENT TRAP |
| FLOW | FLOW DIRECTION |

PHASE

| | |
|---------|---------|
| INITIAL | INITIAL |
| FINAL | FINAL |
| INTERIM | INTERIM |
| FINAL | FINAL |
| INTERIM | INTERIM |
| INTERIM | INTERIM |
| INTERIM | INTERIM |
| INTERIM | INTERIM |

GENERAL CONSTRUCTION NOTES:

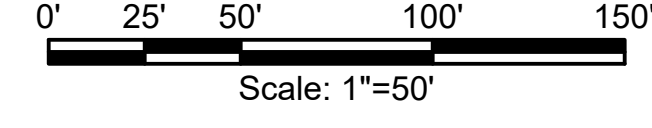
1. INSTALLATION OF ALL GRADING, EROSION CONTROL BMP'S SHALL BE PERFORMED IN ACCORDANCE WITH THE URBAN STORM DRAINAGE CRITERIA MANUAL VOLUME 3, CHAPTER 7. CONTRACTOR SHALL MAKE NO DEVIATIONS FROM THIS MANUAL DURING CONSTRUCTION.
2. ANY UNPAVED AREA THAT IS DISTURBED DURING CONSTRUCTION SHALL BE RESEEDED AND MULCHED.

LIMITS OF DISTURBANCE



NOTE: NO PIPELINE CONSTRUCTION IS PERMITTED IN THE ROW UNTIL THE FINAL PIPELINE CONSTRUCTION PLANS HAVE BEEN APPROVED.

GRAPHIC SCALE



PCD FILE NO. PPR-21-030

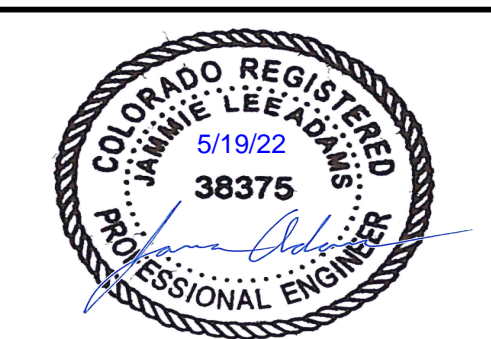
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| NO. | REVISIONS | BY | DATE |
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ATTENTION
 LINE IS 2 INCHES
 AT FULL SIZE
 (IF NOT 2"-SCALE ACCORDINGLY)

**PRELIMINARY
 DRAWING
 NOT FOR
 CONSTRUCTION**



FORSGREN Associates Inc.
 56 INVERNESS DRIVE EAST #112, ENGLEWOOD, CO 80112
 PH: 720.232.6644

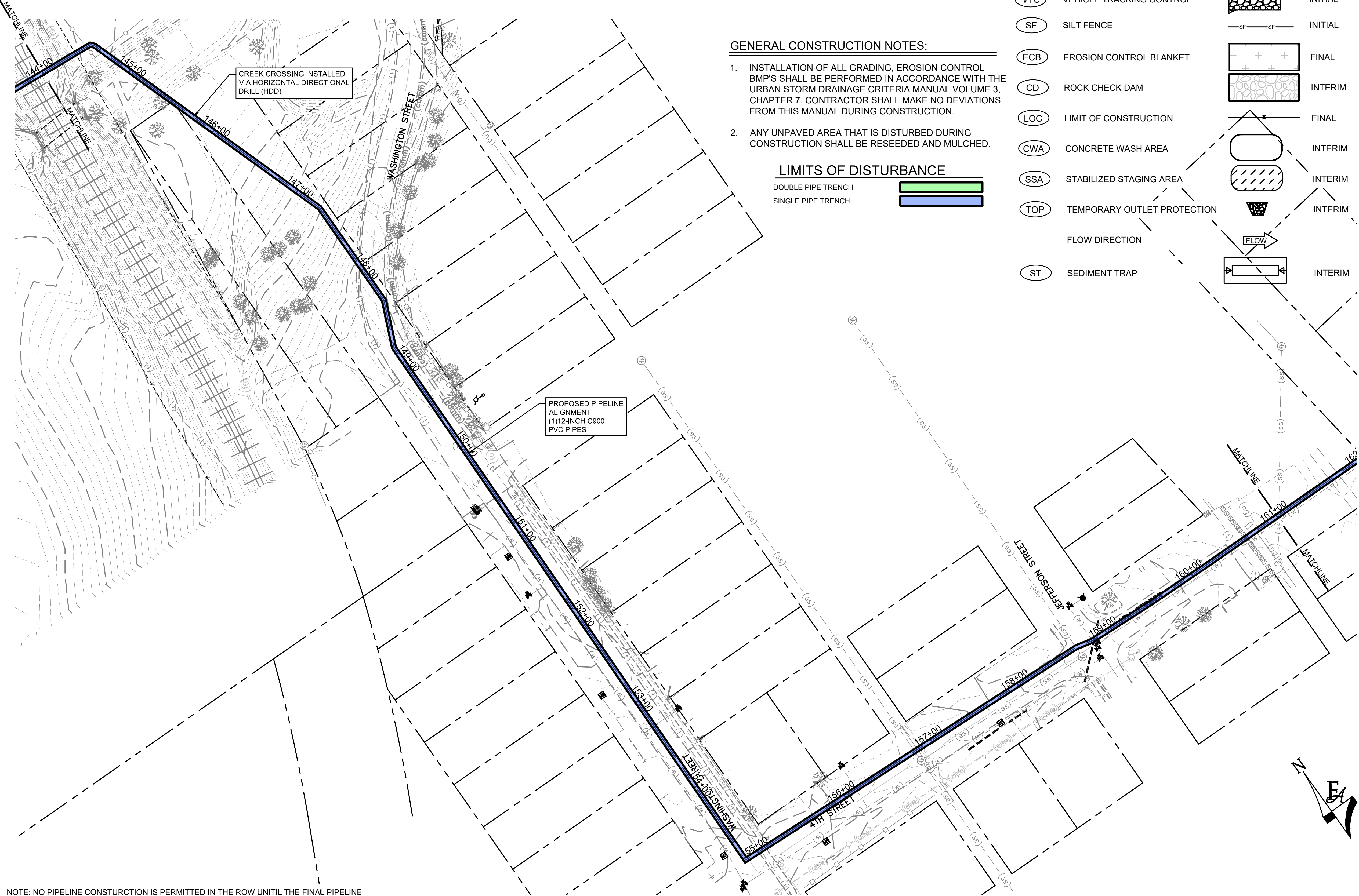


**TOWN OF MONUMENT WATERLINE
 GRADING AND EROSION CONTROL PLAN
 PIPELINE ALIGNMENTS**
 STA 132+00 TO STA 144+00

| | |
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| PROJECT NO: | 04-20-0153 |
| SHEET NO: | 15 |
| DATE: | NOV, 2021 |
| PAGE NO: | 15 OF 25 |

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TOWN OF MONUMENT - WATERLINE
 SITE DEVELOPMENT PLANS - PIPELINES
 LOT 6, FOREST VIEW ESTATES FILING NO 4



GENERAL CONSTRUCTION NOTES:

1. INSTALLATION OF ALL GRADING, EROSION CONTROL BMP'S SHALL BE PERFORMED IN ACCORDANCE WITH THE URBAN STORM DRAINAGE CRITERIA MANUAL VOLUME 3, CHAPTER 7. CONTRACTOR SHALL MAKE NO DEVIATIONS FROM THIS MANUAL DURING CONSTRUCTION.
2. ANY UNPAVED AREA THAT IS DISTURBED DURING CONSTRUCTION SHALL BE RESEEDDED AND MULCHED.

LIMITS OF DISTURBANCE



LEGEND

- (VTC) VEHICLE TRACKING CONTROL
- (SF) SILT FENCE
- (ECB) EROSION CONTROL BLANKET
- (CD) ROCK CHECK DAM
- (LOC) LIMIT OF CONSTRUCTION
- (CWA) CONCRETE WASH AREA
- (SSA) STABILIZED STAGING AREA
- (TOP) TEMPORARY OUTLET PROTECTION
- (ST) SEDIMENT TRAP

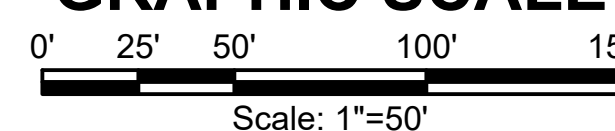
PHASE

- INITIAL
- FINAL
- INTERIM
- FLOW DIRECTION
- INTERIM
- INTERIM
- INTERIM
- INTERIM

LEGEND

- MATCH LINE
- CENTER LINE
- CONTROL LINE
- PROPERTY OR R/W LINE
- EASEMENT LINE
- STREET MONUMENT LINE
- WIRE FENCE
- CHAIN LINK FENCE
- BARBED WIRE FENCE
- CONTOUR LINE
- UNDERGROUND ELECTRIC
- OVERHEAD ELECTRIC
- ELECTRIC BOX
- ELECTRIC MANHOLE
- ELECTRIC METER
- GAS LINE
- GAS VALVE
- GAS METER
- IRRIGATION LINE
- SANITARY SEWER LINE
- SANITARY SEWER CLEANOUT
- SANITARY SEWER MANHOLE
- SECONDARY WATER LINE
- SECONDARY WATER VALVE
- SECONDARY WATER VAULT
- STORM DRAIN LINE
- STORM DRAIN CATCH BASIN
- STORM DRAIN INLET(S)
- STORM DRAIN COMBO BOX
- STORM DRAIN MANHOLE
- STORM DRAIN CLEANOUT BOX
- STORM DRAIN VAULT
- CULVERT
- TELEPHONE CABLE
- TELEPHONE BOX
- TELEPHONE MANHOLE
- TELEPHONE POST
- WATER LINE
- FIRE HYDRANT
- FIRE RISER
- WATER VALVE
- WATER AIR RELEASE VALVE
- WATER METER
- UTILITY POLE & ANCHOR
- POWER POLE
- STREET LIGHT
- LIGHT
- ASPHALT PAVING
- CURB & GUTTER
- SIDEWALK
- RAILROAD TRACKS
- GUARD RAIL
- SIGN
- STRUCTURE
- LANDSCAPING (TREES ETC.)
- SECTION CORNER
- MONUMENT
- BENCH MARK
- SURVEY CONTROL POINT

GRAPHIC SCALE



PCD FILE NO. PPR-21-030

NOTE: NO PIPELINE CONSTRUCTION IS PERMITTED IN THE ROW UNTIL THE FINAL PIPELINE CONSTRUCTION PLANS HAVE BEEN APPROVED.

| | | | |
|-----|-----------|----|------|
| NO. | REVISIONS | BY | DATE |
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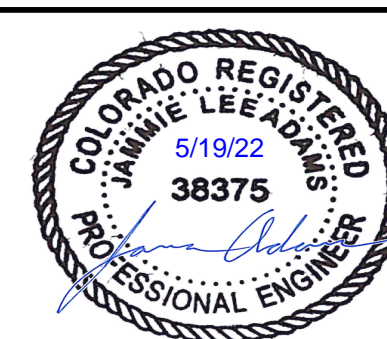
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|----------|----------|
| DRAWN | S. CALE |
| DESIGNED | J. ADAMS |
| APPROVED | J. ADAMS |
| QA | W. KOGER |

ATTENTION
 LINE IS 2 INCHES
 AT FULL SIZE
 (IF NOT 2" SCALE ACCORDINGLY)

**PRELIMINARY
 DRAWING
 NOT FOR
 CONSTRUCTION**



FORSGREN
Associates Inc.
 56 INVERNESS DRIVE EAST #112, ENGLEWOOD, CO 80112
 PH: 720.232.6644

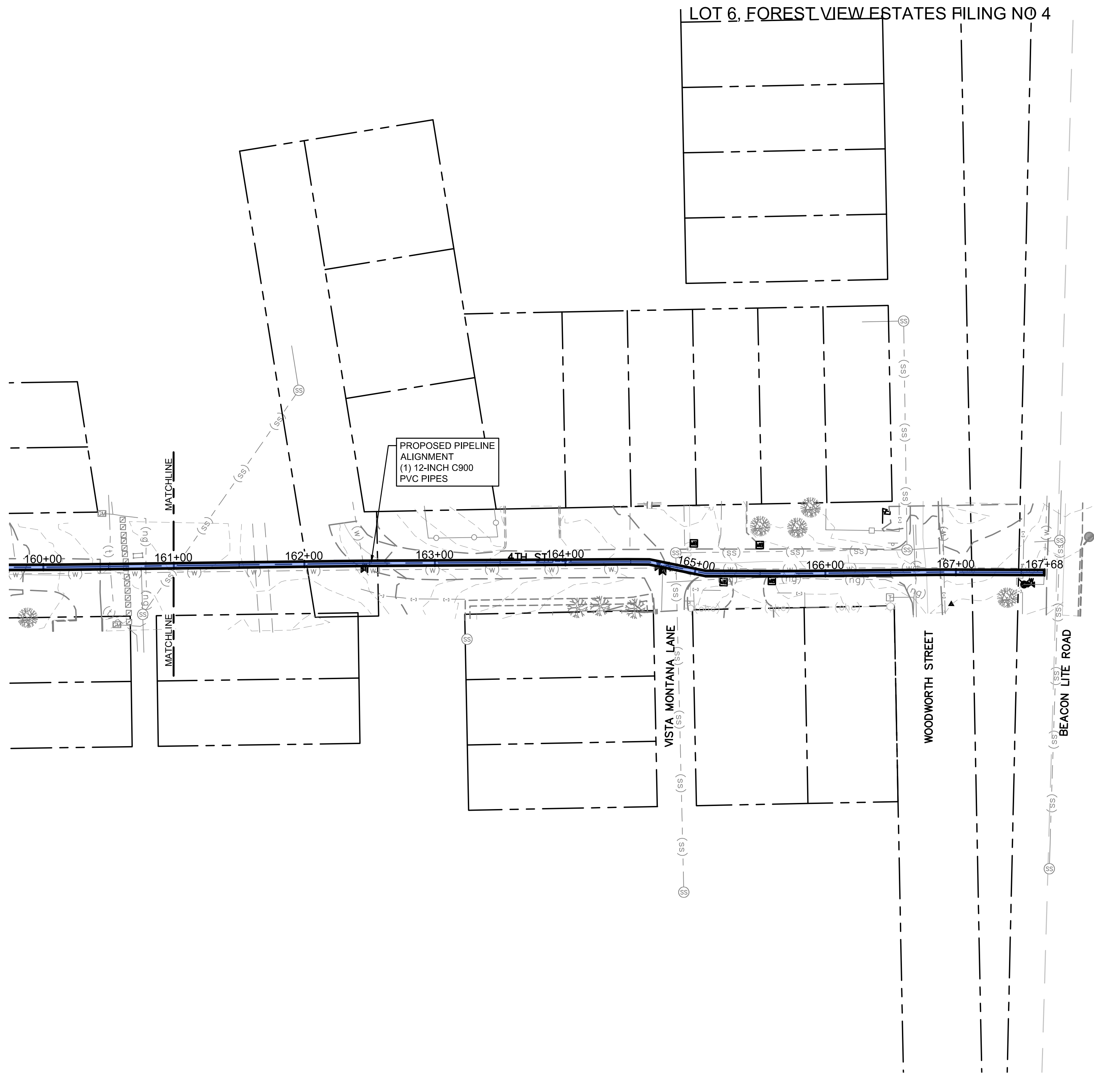


**TOWN OF MONUMENT WATERLINE
 GRADING AND EROSION CONTROL PLAN
 PIPELINE ALIGNMENTS**
 STA 144+00 TO STA 161+00

| | |
|-------------|------------|
| PROJECT NO: | 04-20-0153 |
| SHEET NO: | 16 |
| DATE: | NOV, 2021 |
| PAGE NO: | 16 OF 25 |

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TOWN OF MONUMENT - WATERLINE
SITE DEVELOPMENT PLANS - PIPELINES
LOT 6, FOREST VIEW ESTATES FILING NO 4



LEGEND

- (VTC) VEHICLE TRACKING CONTROL
- (SF) SILT FENCE
- (ECB) EROSION CONTROL BLANKET
- (CD) ROCK CHECK DAM
- (LOC) LIMIT OF CONSTRUCTION
- (CWA) CONCRETE WASH AREA
- (SSA) STABILIZED STAGING AREA
- (TOP) TEMPORARY OUTLET PROTECTION
- FLOW DIRECTION
- (ST) SEDIMENT TRAP

PHASE

- INITIAL
- INITIAL
- FINAL
- INTERIM
- FINAL
- INTERIM
- INTERIM
- INTERIM
- INTERIM
- INTERIM

GENERAL CONSTRUCTION NOTES:

- INSTALLATION OF ALL GRADING, EROSION CONTROL BMP'S SHALL BE PERFORMED IN ACCORDANCE WITH THE URBAN STORM DRAINAGE CRITERIA MANUAL VOLUME 3, CHAPTER 7. CONTRACTOR SHALL MAKE NO DEVIATIONS FROM THIS MANUAL DURING CONSTRUCTION.
- ANY UNPAVED AREA THAT IS DISTURBED DURING CONSTRUCTION SHALL BE RESEEDED AND MULCHED.

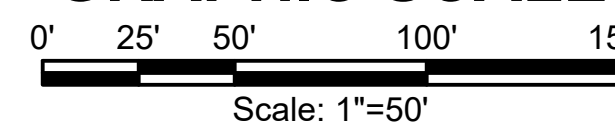
LIMITS OF DISTURBANCE

- DOUBLE PIPE TRENCH
- SINGLE PIPE TRENCH

LEGEND

- MATCH LINE
- CENTER LINE
- CONTROL LINE
- PROPERTY OR R/W LINE
- EASEMENT LINE
- STREET MONUMENT LINE
- WIRE FENCE
- CHAIN LINK FENCE
- BARBED WIRE FENCE
- CONTOUR LINE
- UNDERGROUND ELECTRIC
- OVERHEAD ELECTRIC
- ELECTRIC BOX
- ELECTRIC MANHOLE
- ELECTRIC METER
- GAS LINE
- GAS VALVE
- GAS METER
- IRRIGATION LINE
- SANITARY SEWER LINE
- SANITARY SEWER CLEANOUT
- SANITARY SEWER MANHOLE
- SECONDARY WATER LINE
- SECONDARY WATER VALVE
- SECONDARY WATER VAULT
- STORM DRAIN LINE
- STORM DRAIN CATCH BASIN
- STORM DRAIN INLET(S)
- STORM DRAIN COMBO BOX
- STORM DRAIN MANHOLE
- STORM DRAIN CLEANOUT BOX
- STORM DRAIN VAULT
- CULVERT
- TELEPHONE CABLE
- TELEPHONE BOX
- TELEPHONE MANHOLE
- TELEPHONE POST
- WATER LINE
- FIRE HYDRANT
- FIRE RISER
- WATER VALVE
- WATER AIR RELEASE VALVE
- WATER METER
- UTILITY POLE & ANCHOR
- POWER POLE
- STREET LIGHT
- LIGHT
- ASPHALT PAVING
- CURB & GUTTER
- SIDEWALK
- RAILROAD TRACKS
- GUARD RAIL
- SIGN
- STRUCTURE
- LANDSCAPING (TREES ETC.)
- SECTION CORNER
- MONUMENT
- BENCH MARK
- SURVEY CONTROL POINT

GRAPHIC SCALE



PCD FILE NO. PPR-21-030

NOTE: NO PIPELINE CONSTRUCTION IS PERMITTED IN THE ROW UNTIL THE FINAL PIPELINE CONSTRUCTION PLANS HAVE BEEN APPROVED.

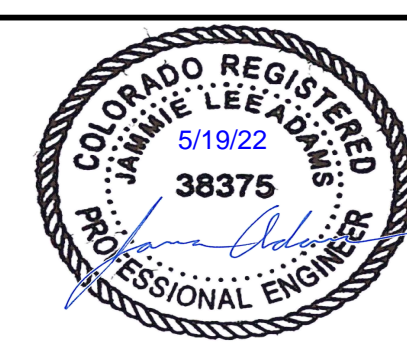
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| NO. | REVISIONS | BY | DATE |
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ATTENTION
LINE IS 2 INCHES
AT FULL SIZE
(IF NOT 2" SCALE ACCORDINGLY)

**PRELIMINARY
DRAWING
NOT FOR
CONSTRUCTION**



FORSGREN
Associates Inc.
56 INVERNESS DRIVE EAST #112, ENGLEWOOD, CO 80112
PH: 720.232.6644



**TOWN OF MONUMENT WATERLINE
GRADING AND EROSION CONTROL PLAN
PIPELINE ALIGNMENTS**
STA 161+00 TO STA 166+00

| | |
|----------------------------------|----------------------|
| PROJECT NO: 04-20-0153 | PAGE NO: 17 OF 25 |
| SHEET NO: 17 | DATE: NOV, 2021 |

P:\Clients\Monument\04-20-0153 Waterline & Storage Tank\CAD\Sheets\Civil\COUNTY SUBMITTALS\PIPELINE\GEC - OVERALL PLAN VIEWS.dwg - 221/2022 3:13 PM

TOWN OF MONUMENT - WATERLINE
 SITE DEVELOPMENT PLANS - PIPELINES
 LOT 6, FOREST VIEW ESTATES FILING NO 4

LEGEND

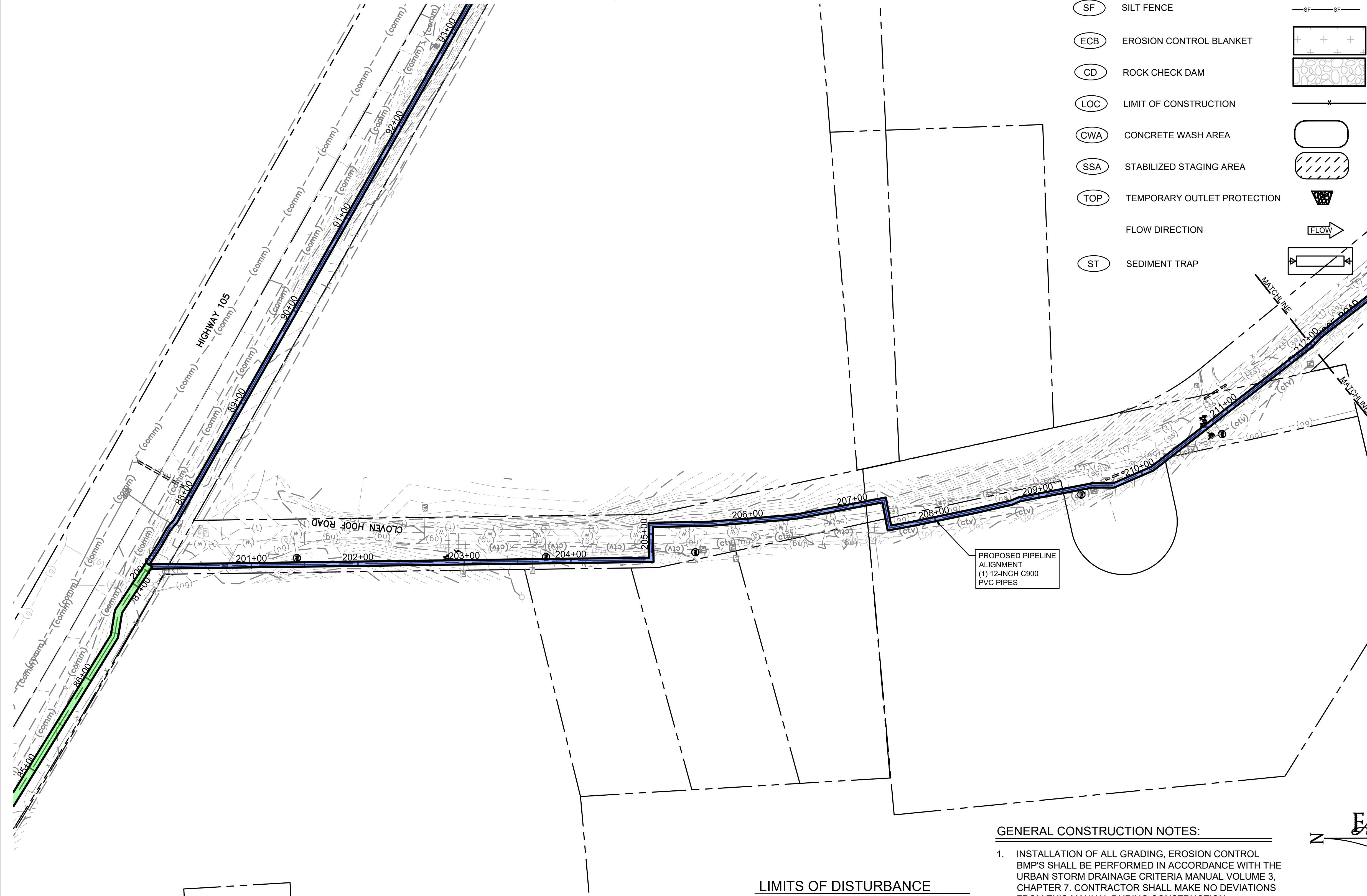
- (VTC) VEHICLE TRACKING CONTROL
- (SF) SILT FENCE
- (ECB) EROSION CONTROL BLANKET
- (CD) ROCK CHECK DAM
- (LOC) LIMIT OF CONSTRUCTION
- (CWA) CONCRETE WASH AREA
- (SSA) STABILIZED STAGING AREA
- (TOP) TEMPORARY OUTLET PROTECTION
- FLOW DIRECTION
- (ST) SEDIMENT TRAP

PHASE

- INITIAL
- INITIAL
- FINAL
- INTERIM
- FINAL
- INTERIM
- INTERIM
- INTERIM
- INTERIM
- INTERIM

LEGEND

- MATCH LINE
- CENTER LINE
- CONTROL LINE
- PROPERTY OR R/W LINE
- EASEMENT LINE
- STREET MONUMENT LINE
- WIRE FENCE
- CHAIN LINK FENCE
- BARBED WIRE FENCE
- CONTOUR LINE
- UNDERGROUND ELECTRIC
- OVERHEAD ELECTRIC
- ELECTRIC BOX
- ELECTRIC MANHOLE
- ELECTRIC METER
- GAS LINE
- GAS VALVE
- GAS METER
- IRRIGATION LINE
- SANITARY SEWER LINE
- SANITARY SEWER CLEANOUT
- SANITARY SEWER MANHOLE
- SECONDARY WATER LINE
- SECONDARY WATER VALVE
- SECONDARY WATER VAULT
- STORM DRAIN LINE
- STORM DRAIN CATCH BASIN
- STORM DRAIN INLET(S)
- STORM DRAIN COMBO BOX
- STORM DRAIN MANHOLE
- STORM DRAIN CLEANOUT BOX
- STORM DRAIN VAULT
- CULVERT
- TELEPHONE CABLE
- TELEPHONE BOX
- TELEPHONE MANHOLE
- TELEPHONE POST
- WATER LINE
- FIRE HYDRANT
- FIRE RISER
- WATER VALVE
- WATER AIR RELEASE VALVE
- WATER METER
- UTILITY POLE & ANCHOR
- POWER POLE
- STREET LIGHT
- LIGHT
- ASPHALT PAVING
- CURB & GUTTER
- SIDEWALK
- RAILROAD TRACKS
- GUARD RAIL
- SIGN
- STRUCTURE
- LANDSCAPING (TREES ETC.)
- SECTION CORNER
- MONUMENT
- BENCH MARK
- SURVEY CONTROL POINT



GENERAL CONSTRUCTION NOTES:

- INSTALLATION OF ALL GRADING, EROSION CONTROL BMP'S SHALL BE PERFORMED IN ACCORDANCE WITH THE URBAN STORM DRAINAGE CRITERIA MANUAL VOLUME 3, CHAPTER 7. CONTRACTOR SHALL MAKE NO DEVIATIONS FROM THIS MANUAL DURING CONSTRUCTION.
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| | | | |
|-----|-----------|----|------|
| NO. | REVISIONS | BY | DATE |
| | | | |
| | | | |

DRAWN _____ S. CALE
 DESIGNED _____ J. ADAMS
 APPROVED _____ J. ADAMS
 QA _____ W. KOGER

ATTENTION
 LINE IS 2 INCHES
 AT FULL SIZE
 (IF NOT 2" SCALE ACCORDINGLY)

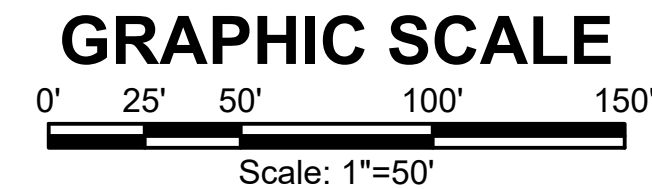


FORSGREN Associates Inc.
 56 INVERNESS DRIVE EAST #112, ENGLEWOOD, CO 80112
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TOWN OF MONUMENT WATERLINE
GRADING AND EROSION CONTROL PLANS
PIPELINE ALIGNMENTS
 STA 200+00 TO STA 212+00

| | |
|----------------------------------|----------------------|
| PROJECT NO: 04-20-0153 | PAGE NO: 18 OF 25 |
| SHEET NO: 18 | DATE: NOV, 2021 |



PCD FILE NO. PPR-21-030

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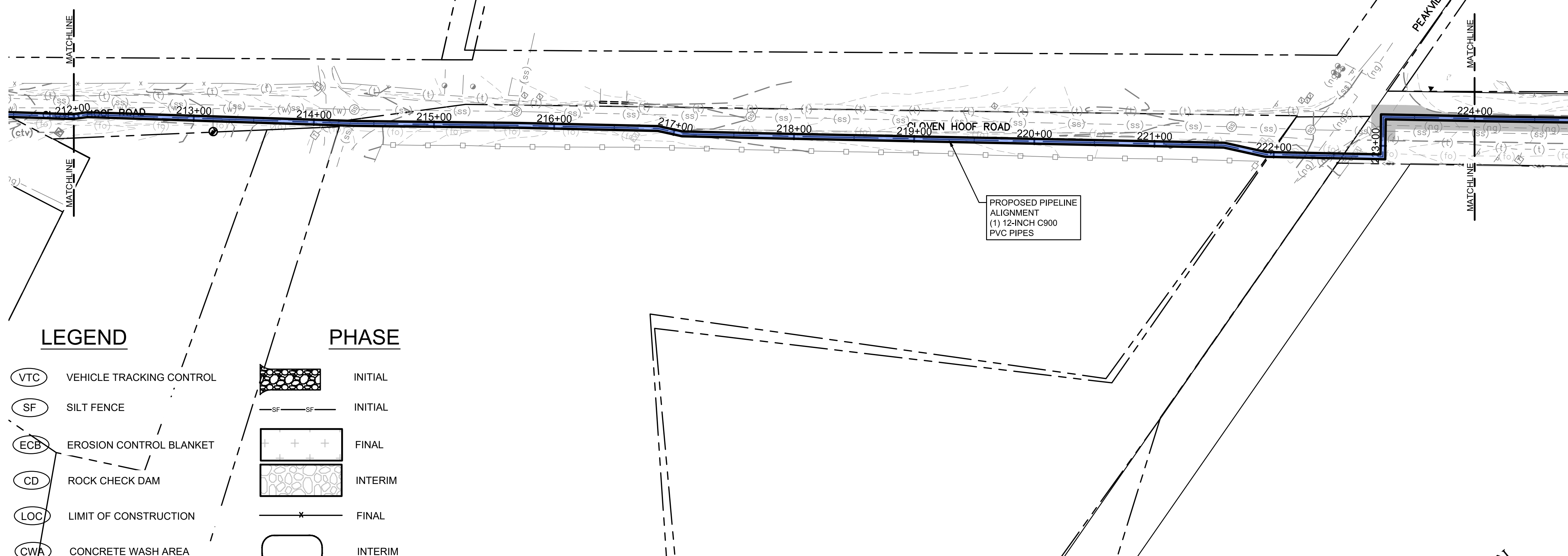
TOWN OF MONUMENT - WATERLINE
 SITE DEVELOPMENT PLANS - PIPELINES
 LOT 6, FOREST VIEW ESTATES FILING NO 4

LIMITS OF DISTURBANCE



LEGEND

| | |
|--------------------------|--------------|
| MATCH LINE | --- |
| CENTER LINE | --- |
| CONTROL LINE | --- |
| PROPERTY OR R/W LINE | --- |
| EASEMENT LINE | --- |
| STREET MONUMENT LINE | --- |
| WIRE FENCE | --- |
| CHAIN LINK FENCE | --- |
| BARBED WIRE FENCE | --- |
| CONTOUR LINE | --- |
| UNDERGROUND ELECTRIC | --- |
| OVERHEAD ELECTRIC | --- |
| ELECTRIC BOX | ⓔ |
| ELECTRIC MANHOLE | ⓔ |
| ELECTRIC METER | ⓔ |
| GAS LINE | --- |
| GAS VALVE | --- |
| GAS METER | --- |
| IRRIGATION LINE | IRR |
| SANITARY SEWER LINE | SS |
| SANITARY SEWER CLEANOUT | --- |
| SANITARY SEWER MANHOLE | Ⓢ |
| SECONDARY WATER LINE | SW |
| SECONDARY WATER VALVE | --- |
| SECONDARY WATER VAULT | --- |
| STORM DRAIN LINE | SD |
| STORM DRAIN CATCH BASIN | --- |
| STORM DRAIN INLET(S) | --- |
| STORM DRAIN COMBO BOX | --- |
| STORM DRAIN MANHOLE | --- |
| STORM DRAIN CLEANOUT BOX | --- |
| STORM DRAIN VAULT | --- |
| CULVERT | SD |
| TELEPHONE CABLE | COMM |
| TELEPHONE BOX | --- |
| TELEPHONE MANHOLE | --- |
| TELEPHONE POST | --- |
| WATER LINE | PW |
| FIRE HYDRANT | --- |
| FIRE RISER | --- |
| WATER VALVE | --- |
| WATER AIR RELEASE VALVE | --- |
| WATER METER | --- |
| UTILITY POLE & ANCHOR | OHE |
| POWER POLE | --- |
| STREET LIGHT | --- |
| LIGHT | --- |
| ASPHALT PAVING | --- |
| CURB & GUTTER | --- |
| SIDEWALK | --- |
| RAILROAD TRACKS | --- |
| GUARD RAIL | --- |
| SIGN | --- |
| STRUCTURE | --- |
| LANDSCAPING (TREES ETC.) | --- |
| SECTION CORNER | 12 11 4 3 |
| MONUMENT | --- |
| BENCH MARK | --- |
| SURVEY CONTROL POINT | CP800 |



LEGEND

| | |
|----------------|-----------------------------|
| VTC | VEHICLE TRACKING CONTROL |
| SF | SILT FENCE |
| ECB | EROSION CONTROL BLANKET |
| CD | ROCK CHECK DAM |
| LOC | LIMIT OF CONSTRUCTION |
| CWA | CONCRETE WASH AREA |
| SSA | STABILIZED STAGING AREA |
| TOP | TEMPORARY OUTLET PROTECTION |
| FLOW DIRECTION | --- |
| ST | SEDIMENT TRAP |

PHASE

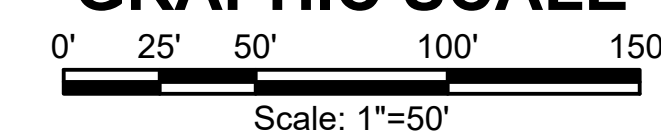
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| --- | INITIAL |
| --- | FINAL |
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| --- | FINAL |
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| --- | INTERIM |
| --- | INTERIM |
| --- | INTERIM |
| --- | INTERIM |
| --- | INTERIM |

GENERAL CONSTRUCTION NOTES:

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GRAPHIC SCALE



PCD FILE NO. PPR-21-030

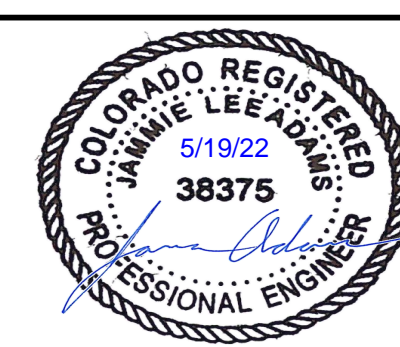
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| NO. | REVISIONS | BY | DATE |
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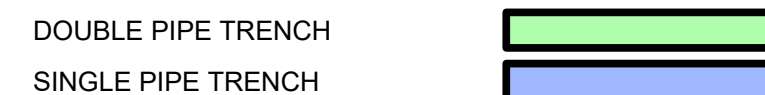
TOWN OF MONUMENT WATERLINE
GRADING AND EROSION CONTROL PLAN
PIPELINE ALIGNMENTS
 STA 212+00 TO STA 224+00

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| PROJECT NO: | 04-20-0153 |
| SHEET NO: | 19 |
| DATE: | NOV, 2021 |
| PAGE NO: | 19 OF 25 |

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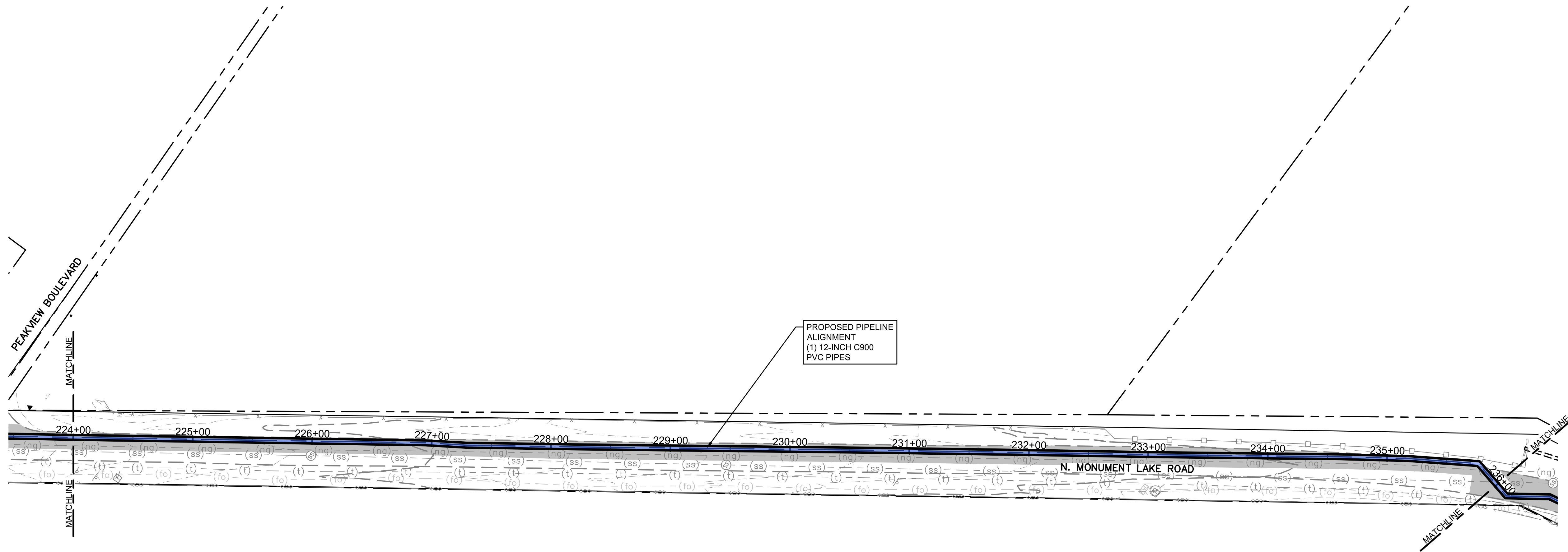
TOWN OF MONUMENT - WATERLINE
 SITE DEVELOPMENT PLANS - PIPELINES
 LOT 6, FOREST VIEW ESTATES FILING NO 4

LIMITS OF DISTURBANCE



LEGEND

| | |
|--------------------------|--------------|
| MATCH LINE | --- |
| CENTER LINE | --- |
| CONTROL LINE | --- |
| PROPERTY OR R/W LINE | --- |
| EASEMENT LINE | --- |
| STREET MONUMENT LINE | --- |
| WIRE FENCE | --- |
| CHAIN LINK FENCE | --- |
| BARBED WIRE FENCE | --- |
| CONTOUR LINE | ---4250--- |
| UNDERGROUND ELECTRIC | ---(uge)--- |
| OVERHEAD ELECTRIC | ---(ohe)--- |
| ELECTRIC BOX | ⊖ |
| ELECTRIC MANHOLE | ⊖ |
| ELECTRIC METER | ⊖ |
| GAS LINE | ---(g)--- |
| GAS VALVE | ⊖ |
| GAS METER | ⊖ |
| IRRIGATION LINE | ---IRR--- |
| SANITARY SEWER LINE | ---SS--- |
| SANITARY SEWER CLEANOUT | ⊖ |
| SANITARY SEWER MANHOLE | ⊖ |
| SECONDARY WATER LINE | ---SW--- |
| SECONDARY WATER VALVE | ⊖ |
| SECONDARY WATER VAULT | ⊖ |
| STORM DRAIN LINE | ---SD--- |
| STORM DRAIN CATCH BASIN | ⊖ |
| STORM DRAIN INLET(S) | ⊖ |
| STORM DRAIN COMBO BOX | ⊖ |
| STORM DRAIN MANHOLE | ⊖ |
| STORM DRAIN CLEANOUT BOX | ⊖ |
| STORM DRAIN VAULT | ⊖ |
| CULVERT | SD |
| TELEPHONE CABLE | ---COMM--- |
| TELEPHONE BOX | ⊖ |
| TELEPHONE MANHOLE | ⊖ |
| TELEPHONE POST | ⊖ |
| WATER LINE | ---PW--- |
| FIRE HYDRANT | ⊖ |
| FIRE RISER | ⊖ |
| WATER VALVE | ⊖ |
| WATER AIR RELEASE VALVE | ⊖ |
| WATER METER | ⊖ |
| UTILITY POLE & ANCHOR | ⊖ OHE → |
| POWER POLE | ⊖ |
| STREET LIGHT | ⊖ |
| LIGHT | ⊖ |
| ASPHALT PAVING | --- |
| CURB & GUTTER | --- |
| SIDEWALK | --- |
| RAILROAD TRACKS | --- |
| GUARD RAIL | --- |
| SIGN | --- |
| STRUCTURE | --- |
| LANDSCAPING (TREES ETC.) | --- |
| SECTION CORNER | 12 11 4 3 |
| MONUMENT | ⊖ |
| BENCH MARK | ⊖ |
| SURVEY CONTROL POINT | △ CP800 |



LEGEND

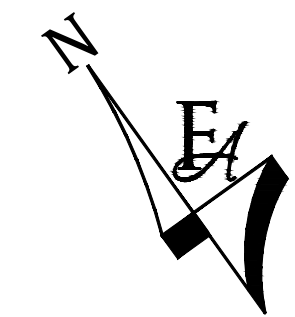
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|-------|-----------------------------|--|---------|
| (VTC) | VEHICLE TRACKING CONTROL | | INITIAL |
| (SF) | SILT FENCE | | INITIAL |
| (ECB) | EROSION CONTROL BLANKET | | FINAL |
| (CD) | ROCK CHECK DAM | | INTERIM |
| (LOC) | LIMIT OF CONSTRUCTION | | FINAL |
| (CWA) | CONCRETE WASH AREA | | INTERIM |
| (SSA) | STABILIZED STAGING AREA | | INTERIM |
| (TOP) | TEMPORARY OUTLET PROTECTION | | INTERIM |
| (ST) | SEDIMENT TRAP | | INTERIM |
| | FLOW DIRECTION | | |

PHASE

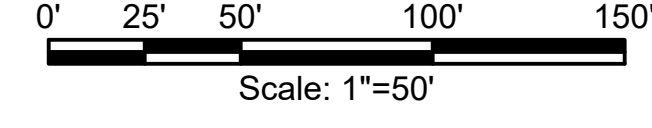
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GRAPHIC SCALE



PCD FILE NO. PPR-21-030

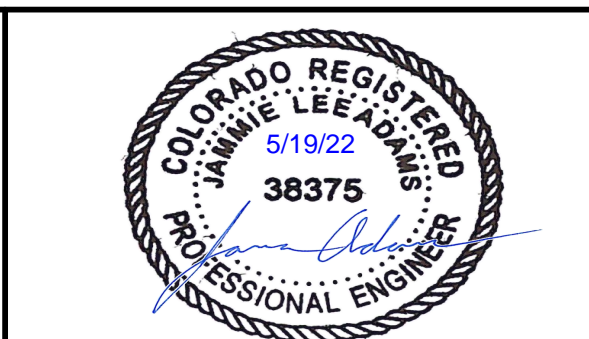
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TOWN OF MONUMENT WATERLINE
GRADING AND EROSION CONTROL PLAN
PIPELINE ALIGNMENTS
 STA 224+00 TO STA 336+00

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|-------------|------------|
| PROJECT NO: | 04-20-0153 |
| SHEET NO: | 20 |
| DATE: | NOV, 2021 |
| PAGE NO: | 20 OF 25 |

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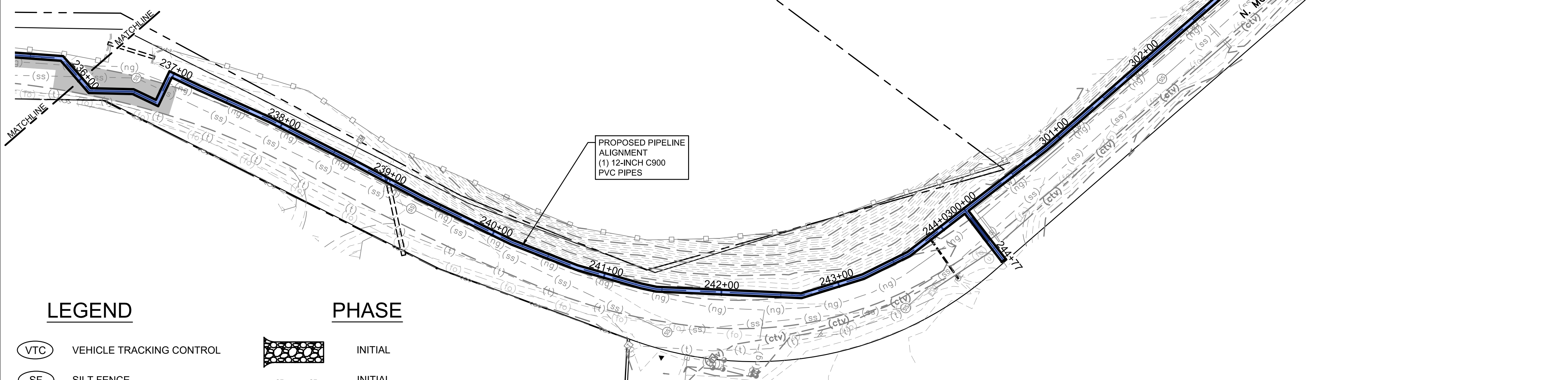
TOWN OF MONUMENT - WATERLINE
SITE DEVELOPMENT PLANS - PIPELINES
LOT 6, FOREST VIEW ESTATES FILING NO 4

LIMITS OF DISTURBANCE



LEGEND

| | |
|--------------------------|-----|
| MATCH LINE | --- |
| CENTER LINE | --- |
| CONTROL LINE | --- |
| PROPERTY OR R/W LINE | --- |
| EASEMENT LINE | --- |
| STREET MONUMENT LINE | --- |
| WIRE FENCE | --- |
| CHAIN LINK FENCE | --- |
| BARBED WIRE FENCE | --- |
| CONTOUR LINE | --- |
| UNDERGROUND ELECTRIC | --- |
| OVERHEAD ELECTRIC | --- |
| ELECTRIC BOX | --- |
| ELECTRIC MANHOLE | --- |
| ELECTRIC METER | --- |
| GAS LINE | --- |
| GAS VALVE | --- |
| GAS METER | --- |
| IRRIGATION LINE | --- |
| SANITARY SEWER LINE | --- |
| SANITARY SEWER CLEANOUT | --- |
| SANITARY SEWER MANHOLE | --- |
| SECONDARY WATER LINE | --- |
| SECONDARY WATER VALVE | --- |
| SECONDARY WATER VAULT | --- |
| STORM DRAIN LINE | --- |
| STORM DRAIN CATCH BASIN | --- |
| STORM DRAIN INLET(S) | --- |
| STORM DRAIN COMBO BOX | --- |
| STORM DRAIN MANHOLE | --- |
| STORM DRAIN CLEANOUT BOX | --- |
| STORM DRAIN VAULT | --- |
| CULVERT | --- |
| TELEPHONE CABLE | --- |
| TELEPHONE BOX | --- |
| TELEPHONE MANHOLE | --- |
| TELEPHONE POST | --- |
| WATER LINE | --- |
| FIRE HYDRANT | --- |
| FIRE RISER | --- |
| WATER VALVE | --- |
| WATER AIR RELEASE VALVE | --- |
| WATER METER | --- |
| UTILITY POLE & ANCHOR | --- |
| POWER POLE | --- |
| STREET LIGHT | --- |
| LIGHT | --- |
| ASPHALT PAVING | --- |
| CURB & GUTTER | --- |
| SIDEWALK | --- |
| RAILROAD TRACKS | --- |
| GUARD RAIL | --- |
| SIGN | --- |
| STRUCTURE | --- |
| LANDSCAPING (TREES ETC.) | --- |
| SECTION CORNER | --- |
| MONUMENT | --- |
| BENCH MARK | --- |
| SURVEY CONTROL POINT | --- |



PROPOSED PIPELINE ALIGNMENT
(1) 12-INCH C900
PVC PIPES

LEGEND

| | |
|----------------|-----------------------------|
| VTC | VEHICLE TRACKING CONTROL |
| SF | SILT FENCE |
| ECB | EROSION CONTROL BLANKET |
| CD | ROCK CHECK DAM |
| LOC | LIMIT OF CONSTRUCTION |
| CWA | CONCRETE WASH AREA |
| SSA | STABILIZED STAGING AREA |
| TOP | TEMPORARY OUTLET PROTECTION |
| FLOW DIRECTION | --- |
| ST | SEDIMENT TRAP |

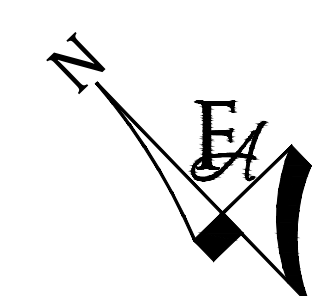
PHASE

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| INITIAL | --- |
| INITIAL | --- |
| FINAL | --- |
| INTERIM | --- |
| FINAL | --- |
| INTERIM | --- |
| INTERIM | --- |
| INTERIM | --- |
| INTERIM | --- |
| INTERIM | --- |

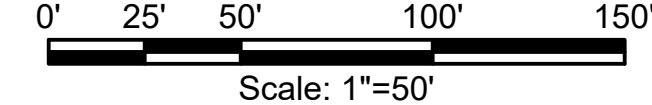
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GRAPHIC SCALE



PCD FILE NO. PPR-21-030

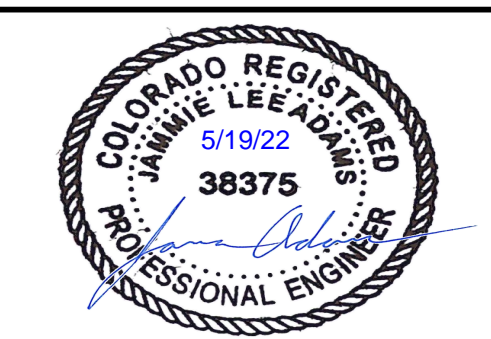
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| NO. | REVISIONS | BY | DATE |
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ATTENTION
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(IF NOT 2"-SCALE ACCORDINGLY)

**PRELIMINARY
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PH: 720.232.6644



**TOWN OF MONUMENT WATERLINE
GRADING AND EROSION CONTROL PLAN
PIPELINE ALIGNMENTS**
STA 236+00 TO STA 245+00

| | |
|-------------|------------|
| PROJECT NO: | 04-20-0153 |
| SHEET NO: | 21 |
| DATE: | NOV, 2021 |
| PAGE NO: | 21 OF 25 |

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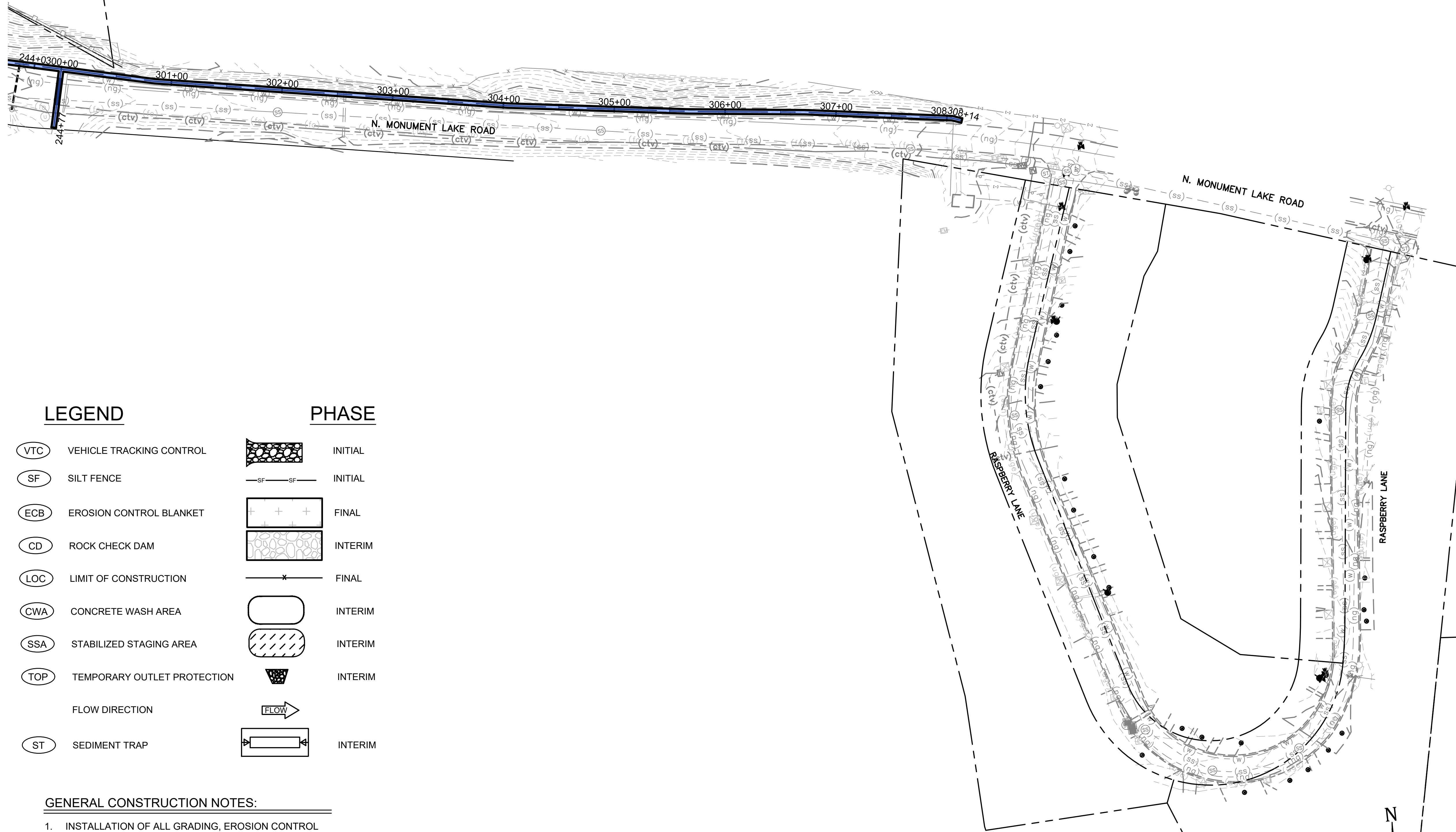
TOWN OF MONUMENT - WATERLINE
 SITE DEVELOPMENT PLANS - PIPELINES
 LOT 6, FOREST VIEW ESTATES FILING NO 4

LIMITS OF DISTURBANCE



LEGEND

| | |
|--------------------------|--------------|
| MATCH LINE | --- |
| CENTER LINE | --- |
| CONTROL LINE | --- |
| PROPERTY OR R/W LINE | --- |
| EASEMENT LINE | --- |
| STREET MONUMENT LINE | --- |
| WIRE FENCE | --- |
| CHAIN LINK FENCE | --- |
| BARBED WIRE FENCE | --- |
| CONTOUR LINE | --- |
| UNDERGROUND ELECTRIC | --- |
| OVERHEAD ELECTRIC | --- |
| ELECTRIC BOX | (E) |
| ELECTRIC MANHOLE | (E) |
| ELECTRIC METER | (E) |
| GAS LINE | --- |
| GAS VALVE | (G) |
| GAS METER | (G) |
| IRRIGATION LINE | IRR |
| SANITARY SEWER LINE | SS |
| SANITARY SEWER CLEANOUT | (S) |
| SANITARY SEWER MANHOLE | (S) |
| SECONDARY WATER LINE | SW |
| SECONDARY WATER VALVE | (W) |
| SECONDARY WATER VAULT | (W) |
| STORM DRAIN LINE | SD |
| STORM DRAIN CATCH BASIN | (D) |
| STORM DRAIN INLET(S) | (D) |
| STORM DRAIN COMBO BOX | (D) |
| STORM DRAIN MANHOLE | (D) |
| STORM DRAIN CLEANOUT BOX | (D) |
| STORM DRAIN VAULT | (D) |
| CULVERT | SD |
| TELEPHONE CABLE | COMM |
| TELEPHONE BOX | (T) |
| TELEPHONE MANHOLE | (T) |
| TELEPHONE POST | (T) |
| WATER LINE | PW |
| FIRE HYDRANT | (F) |
| FIRE RISER | (F) |
| WATER VALVE | (W) |
| WATER AIR RELEASE VALVE | (W) |
| WATER METER | (W) |
| UTILITY POLE & ANCHOR | OHE |
| POWER POLE | (P) |
| STREET LIGHT | (L) |
| LIGHT | (L) |
| ASPHALT PAVING | --- |
| CURB & GUTTER | --- |
| SIDEWALK | --- |
| RAILROAD TRACKS | --- |
| GUARD RAIL | --- |
| SIGN | --- |
| STRUCTURE | --- |
| LANDSCAPING (TREES ETC.) | --- |
| SECTION CORNER | 12 11 4 3 |
| MONUMENT | (M) |
| BENCH MARK | (B) |
| SURVEY CONTROL POINT | CP800 |



LEGEND

| | |
|--------|-----------------------------|
| (VTC) | VEHICLE TRACKING CONTROL |
| (SF) | SILT FENCE |
| (ECB) | EROSION CONTROL BLANKET |
| (CD) | ROCK CHECK DAM |
| (LOC) | LIMIT OF CONSTRUCTION |
| (CWA) | CONCRETE WASH AREA |
| (SSA) | STABILIZED STAGING AREA |
| (TOP) | TEMPORARY OUTLET PROTECTION |
| (FLOW) | FLOW DIRECTION |
| (ST) | SEDIMENT TRAP |

PHASE

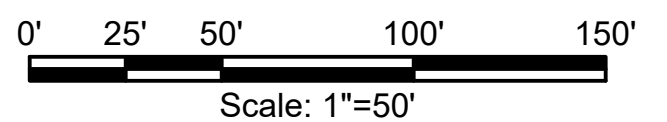
| | |
|-----------|---------|
| (INITIAL) | INITIAL |
| (FINAL) | FINAL |
| (INTERIM) | INTERIM |
| (FINAL) | FINAL |
| (INTERIM) | INTERIM |
| (INTERIM) | INTERIM |
| (INTERIM) | INTERIM |
| (INTERIM) | INTERIM |

GENERAL CONSTRUCTION NOTES:

1. INSTALLATION OF ALL GRADING, EROSION CONTROL BMP'S SHALL BE PERFORMED IN ACCORDANCE WITH THE URBAN STORM DRAINAGE CRITERIA MANUAL VOLUME 3, CHAPTER 7. CONTRACTOR SHALL MAKE NO DEVIATIONS FROM THIS MANUAL DURING CONSTRUCTION.
2. ANY UNPAVED AREA THAT IS DISTURBED DURING CONSTRUCTION SHALL BE RESEEDDED AND MULCHED.

NOTE: NO PIPELINE CONSTRUCTION IS PERMITTED IN THE ROW UNTIL THE FINAL PIPELINE CONSTRUCTION PLANS HAVE BEEN APPROVED.

GRAPHIC SCALE



PCD FILE NO. PPR-21-030

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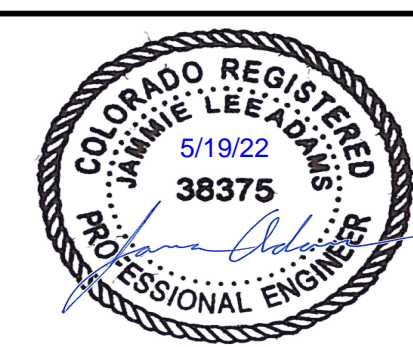
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|----------|----------|
| DRAWN | S. CALE |
| DESIGNED | J. ADAMS |
| APPROVED | J. ADAMS |
| QA | W. KOGER |

ATTENTION
 LINE IS 2 INCHES
 AT FULL SIZE
 (IF NOT 2" SCALE ACCORDINGLY)

PRELIMINARY
 DRAWING
 NOT FOR
 CONSTRUCTION



FORSGREN
Associates Inc.
 56 INVERNESS DRIVE EAST #112, ENGLEWOOD, CO 80112
 PH: 720.232.6644



TOWN OF MONUMENT WATERLINE
GRADING AND EROSION CONTROL PLAN
PIPELINE ALIGNMENTS
 STA 300+00 TO STA 308+14

| | |
|-------------|------------|
| PROJECT NO: | 04-20-0153 |
| SHEET NO: | 22 |
| DATE: | NOV, 2021 |
| PAGE NO: | 22 OF 25 |

P:\Clients\Monument\04-20-0153 Waterline & Storage Tank\CAD\Sheets\Civil\COUNTY SUBMITTALS\GEOPIPELINE\GEC - OVERALL PLAN VIEWS.dwg - 22/1/2022 3:33 PM

TOWN OF MONUMENT - WATERLINE SITE DEVELOPMENT PLANS LOT 6, FOREST VIEW ESTATES FILING NO. 4

GENERAL CONSTRUCTION NOTES:

1. PARKING DIMENSIONS ARE TO FACE OF CURB.
2. CONSTRUCTION MAY NOT COMMENCE UNTIL A CONSTRUCTION PERMIT IS OBTAINED FROM PLANNING AND COMMUNITY (PCD) AND PRECONSTRUCTION CONFERENCE IS HELD WITH PCD INSPECTIONS.
3. ANY UNPAVED AREA THAT IS DISTURBED DURING CONSTRUCTION SHALL BE RESEED. SEE BELOW FOR GRASS SEED MIXES FOR EL PASO COUNTY.

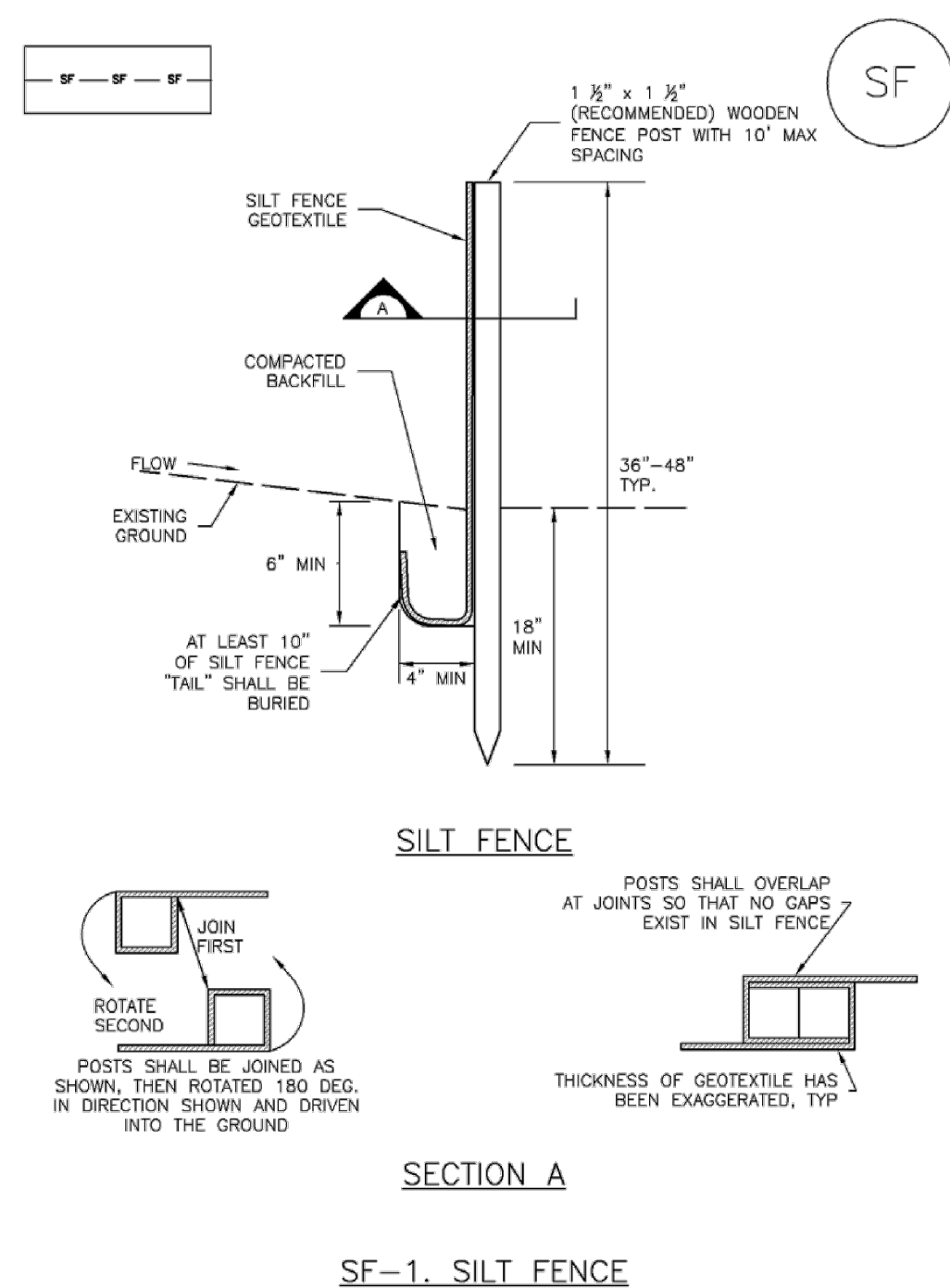
Recommended El Paso County Grass Seed Mixes

| Grass: | Variety | PLS lbs per acre |
|---------------------|--------------------|------------------|
| Crested Wheat Grass | Ephraim or HyCrest | 4.0 |
| Perennial Rye | Linn | 2.0 |
| Western Wheatgrass | Barton | 3.0 |
| Smooth Brome Grass | Lincoln or Manchar | 5.0 |
| Sideoats Grama | El Reno | 2.5 |
| Total: | | 16.5 |

| Grass: | Variety | PLS lbs per acre |
|---------------------|--------------------|------------------|
| Crested Wheat Grass | Ephraim | 3.0 |
| Slender Wheat Grass | Sodar | 2.5 |
| Western Wheatgrass | Barton | 5.0 |
| Smooth Brome Grass | Lincoln or Manchar | 4.0 |
| Sideoats Grama | El Reno | 3.0 |
| Total: | | 17.5 |

| Grass: | Variety | PLS lbs per acre |
|-------------------------|-------------|------------------|
| Sideoats Grama | El Reno | 3.0 |
| Western Wheatgrass | Barton | 2.5 |
| Slender Wheat Grass | Native | 2.0 |
| Little Bluestem | Pastura | 2.0 |
| Sand Dropped | Native | 0.5 |
| Switch Grass | Nebraska 28 | 3.0 |
| Weeping Love Grass | Morpha | 1.0 |
| Optional: Perennial Rye | | 2.0 |
| Total: | | 14-16 |

Silt Fence (SF) SC-1



November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SF-3

SC-1 Silt Fence (SF)

SILT FENCE INSTALLATION NOTES

1. SILT FENCE MUST BE PLACED AWAY FROM THE TOE OF THE SLOPE TO ALLOW FOR WATER PONDING. SILT FENCE AT THE TOE OF A SLOPE SHOULD BE INSTALLED IN A FLAT LOCATION AT LEAST SEVERAL FEET (2-5 FT) FROM THE TOE OF THE SLOPE TO ALLOW ROOM FOR PONDING AND DEPOSITION.
2. A UNIFORM 6" X 4" ANCHOR TRENCH SHALL BE EXCAVATED USING TRENCHER OR SILT FENCE INSTALLATION DEVICE. NO ROAD GRADERS, BACKHOES, OR SIMILAR EQUIPMENT SHALL BE USED.
3. COMPACT ANCHOR TRENCH BY HAND WITH A "JUMPING JACK" OR BY WHEEL ROLLING. COMPACTATION SHALL BE SUCH THAT SILT FENCE RESISTS BEING PULLED OUT OF ANCHOR TRENCH BY HAND.
4. SILT FENCE SHALL BE PULLED TIGHT AS IT IS ANCHORED TO THE STAKES. THERE SHOULD BE NO NOTICEABLE SAG BETWEEN STAKES AFTER IT HAS BEEN ANCHORED TO THE STAKES.
5. SILT FENCE FABRIC SHALL BE ANCHORED TO THE STAKES USING 1" HEAVY DUTY STAPLES OR NAILS WITH 1" HEADS. STAPLES AND NAILS SHOULD BE PLACED 3" ALONG THE FABRIC DOWN THE STAKE.
6. AT THE END OF A RUN OF SILT FENCE ALONG A CONTOUR, THE SILT FENCE SHOULD BE TURNED PERPENDICULAR TO THE CONTOUR TO CREATE A "J-HOOK." THE "J-HOOK" EXTENDING PERPENDICULAR TO THE CONTOUR SHOULD BE OF SUFFICIENT LENGTH TO KEEP RUNOFF FROM FLOWING AROUND THE END OF THE SILT FENCE (TYPICALLY 10' - 20').
7. SILT FENCE SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES.

SILT FENCE MAINTENANCE NOTES

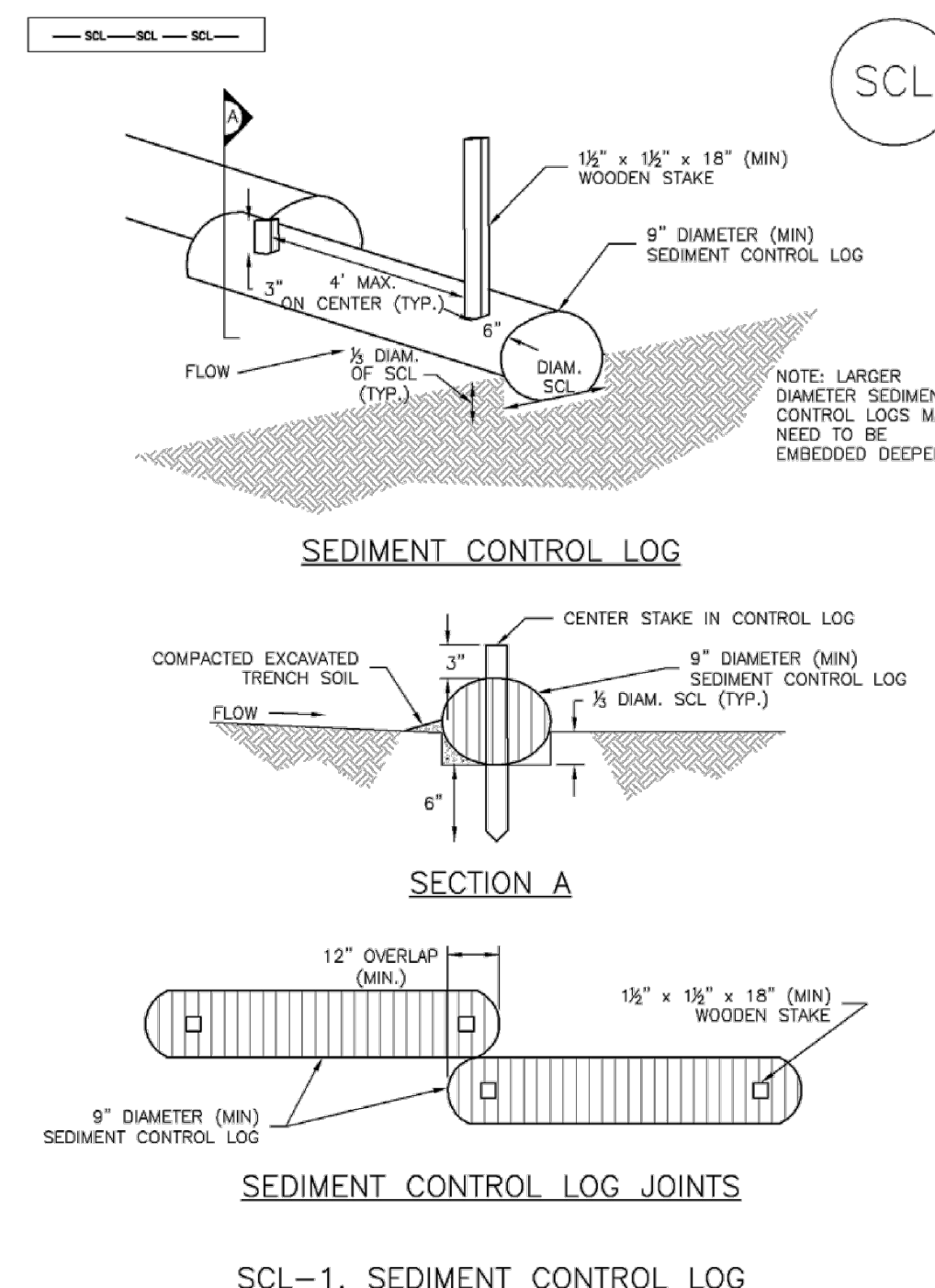
1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
4. SEDIMENT ACCUMULATED UPSTREAM OF THE SILT FENCE SHALL BE REMOVED AS NEEDED TO MAINTAIN THE FUNCTIONALITY OF THE BMP. TYPICALLY WHEN DEPTH OF ACCUMULATED SEDIMENTS IS APPROXIMATELY 6".
5. REPAIR OR REPLACE SILT FENCE WHEN THERE ARE SIGNS OF WEAR, SUCH AS SAGGING, TEARING, OR COLLAPSE.
6. SILT FENCE IS TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND APPROVED BY THE LOCAL JURISDICTION, OR IS REPLACED BY AN EQUIVALENT PERIMETER SEDIMENT CONTROL BMP.
7. WHEN SILT FENCE IS REMOVED, ALL DISTURBED AREAS SHALL BE COVERED WITH TOPSOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED AS APPROVED BY LOCAL JURISDICTION.

(DETAILS ADAPTED FROM TOWN OF PARKER, COLORADO AND CITY OF AURORA, NOT AVAILABLE IN AUTOCAD)

NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

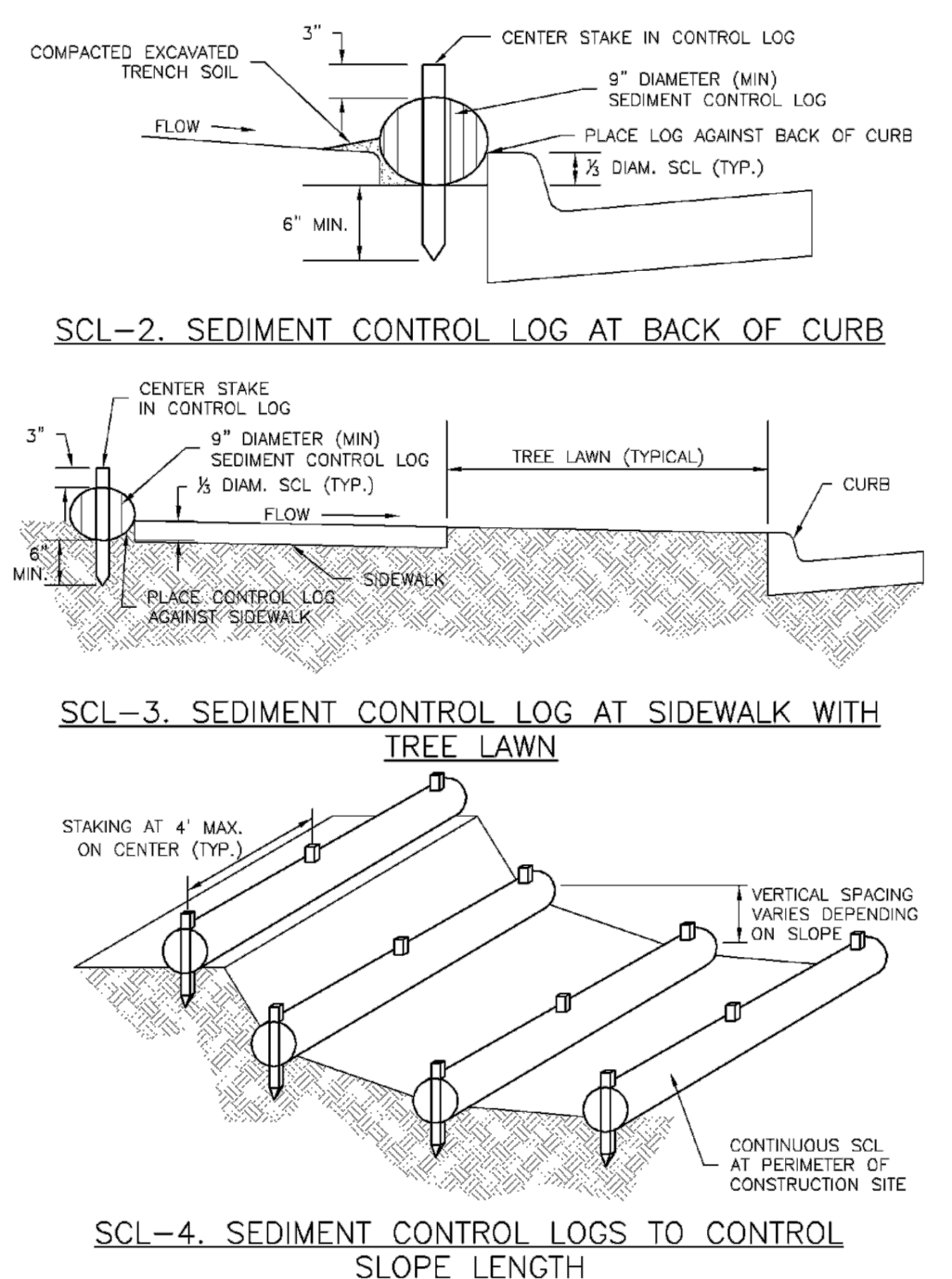
SC-4 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010

Sediment Control Log (SCL) SC-2



November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SC-3

SC-2 Sediment Control Log (SCL)



SC-4 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010

Revegetation Chapter 14

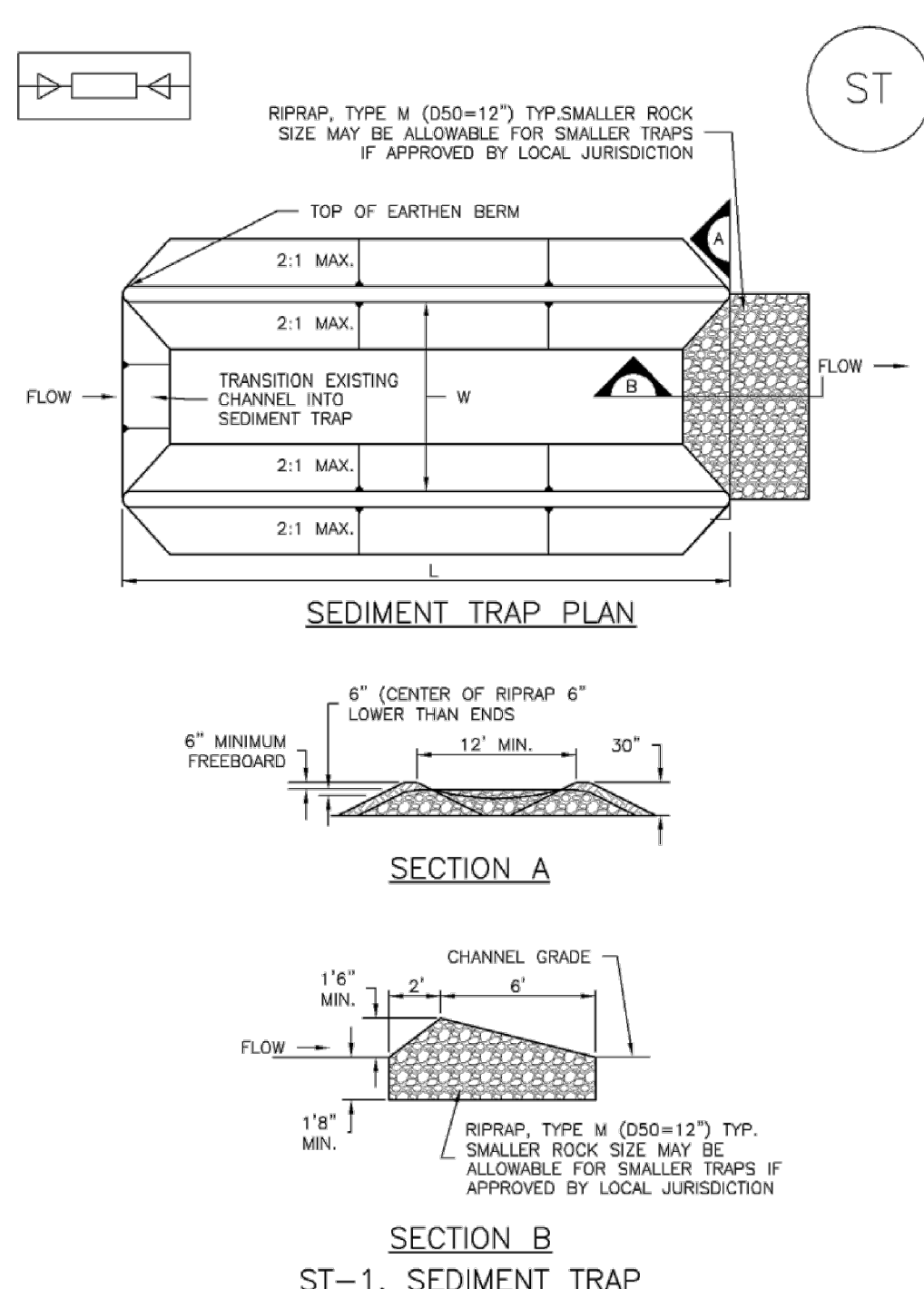
Table 14-10. Recommended Seed Mix for Transition Areas¹

| Common Name (Variety) | Scientific Name | Growth Season | Growth Form | Seeds/Lb | Lbs PLS/Acre Drilled | Lbs PLS/Acre Broadcast or Hydroseeded |
|---|------------------------------|---------------|-------------|--------------|----------------------|---------------------------------------|
| Sheep fescue (Durar) | <i>Festuca ovina</i> | Cool | Bunch | 680,000 | 1.3 | 2.6 |
| Western wheatgrass (Arriba) | <i>Pascopyrum smithii</i> | Cool | Sod | 110,000 | 7.9 | 15.8 |
| Alkali sacaton | <i>Spolobolus airoides</i> | Warm | Bunch | 1,758,000 | 0.5 | 1.0 |
| Slender wheatgrass | <i>Elymus trachycaulus</i> | Cool | Bunch | 159,000 | 5.5 | 11.0 |
| Canadian bluegrass (Ruebens) ¹ | <i>Poa compressa</i> | Cool | Sod | 2,500,000 | 0.3 | 0.6 |
| Switchgrass (Pathfinder) | <i>Panicum virgatum</i> | Warm | Sod/Bunch | 389,000 | 1.3 | 2.6 |
| Annual rye | <i>Lolium multiflorum</i> | Cool | Cover crop | 227,000 | 10.0 | 20.0 |
| | | | | TOTAL | 26.8 | 53.6 |
| Wildflowers | | | | | | |
| Blanket flower | <i>Faillardia aristata</i> | --- | --- | 132,000 | 0.25 | 0.50 |
| Prairie coneflower | <i>Ratibida columnaris</i> | --- | --- | 1,230,000 | 0.20 | 0.40 |
| Purple prairie clover | <i>Petalostemum purpurea</i> | --- | --- | 210,000 | 0.20 | 0.40 |
| Gayfeather | <i>Liatris punctata</i> | --- | --- | 138,000 | 0.06 | 0.12 |
| Flax | <i>Linum lewisii</i> | --- | --- | 293,000 | 0.20 | 0.40 |
| Penstemon | <i>Penstemon strictus</i> | --- | --- | 592,000 | 0.20 | 0.40 |
| Yarrow | <i>Achillea millefolium</i> | --- | --- | 2,770,000 | 0.03 | 0.06 |
| | | | | TOTAL | 1.14 | 2.28 |

¹For side slopes or between wet and dry areas.
²Substitute 1.7 lbs PLS/acre of inland saltgrass (*Distichlis spicata*) in salty soils.

14-22 City of Colorado Springs Drainage Criteria Manual, Volume 1 May 2014

SC-8 Sediment Trap (ST)



ST-2 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010

Sediment Trap (ST) SC-8

SEDIMENT TRAP INSTALLATION NOTES

1. SEE PLAN VIEW FOR:
 - LOCATION, LENGTH AND WIDTH OF SEDIMENT TRAP.
2. ONLY USE FOR DRAINAGE AREAS LESS THAN 1 ACRE.
3. SEDIMENT TRAPS SHALL BE INSTALLED PRIOR TO ANY UPGRADE LAND-DISTURBING ACTIVITIES.
4. SEDIMENT TRAP BERM SHALL BE CONSTRUCTED FROM MATERIAL FROM EXCAVATION. THE BERM SHALL BE COMPACTED TO 95% OF THE MAXIMUM DENSITY IN ACCORDANCE WITH ASTM D698.
5. SEDIMENT TRAP OUTLET TO BE CONSTRUCTED OF RIPRAP, TYPE M (D50=12") TYP. SMALLER ROCK SIZE MAY BE ALLOWABLE FOR SMALLER TRAPS IF APPROVED BY LOCAL JURISDICTION.
6. THE TOP OF THE EARTHEN BERM SHALL BE A MINIMUM OF 6" HIGHER THAN THE TOP OF THE RIPRAP OUTLET STRUCTURE.
7. THE ENDS OF THE RIPRAP OUTLET STRUCTURE SHALL BE A MINIMUM OF 6" HIGHER THAN THE CENTER OF THE OUTLET STRUCTURE.

SEDIMENT TRAP MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
4. REMOVE SEDIMENT ACCUMULATED IN TRAP AS NEEDED TO MAINTAIN THE FUNCTIONALITY OF THE BMP, TYPICALLY WHEN THE SEDIMENT DEPTH REACHES 1/2 THE HEIGHT OF THE RIPRAP OUTLET.
5. SEDIMENT TRAPS SHALL REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND APPROVED BY THE LOCAL JURISDICTION.
6. WHEN SEDIMENT TRAPS ARE REMOVED, THE DISTURBED AREA SHALL BE COVERED WITH TOPSOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE LOCAL JURISDICTION.

(DETAILS ADAPTED FROM DOUGLAS COUNTY, COLORADO, NOT AVAILABLE IN AUTOCAD)

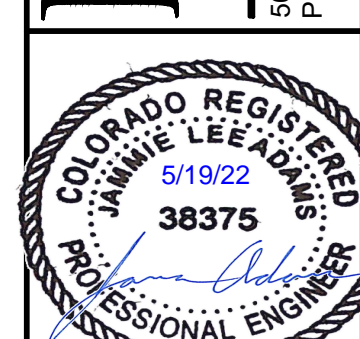
NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 ST-3

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FORSGREN Associates, Inc.
56 INVERNESS DRIVE EAST #112, ENGLEWOOD, CO 80112
PH: 720.232.6644



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| PROJECT NO. | 04-20-0153 |
| DRAWN | S. CALE |
| DESIGNED | J. ADAMS |
| APPROVED | J. ADAMS |
| DATE | WT. KOGER |



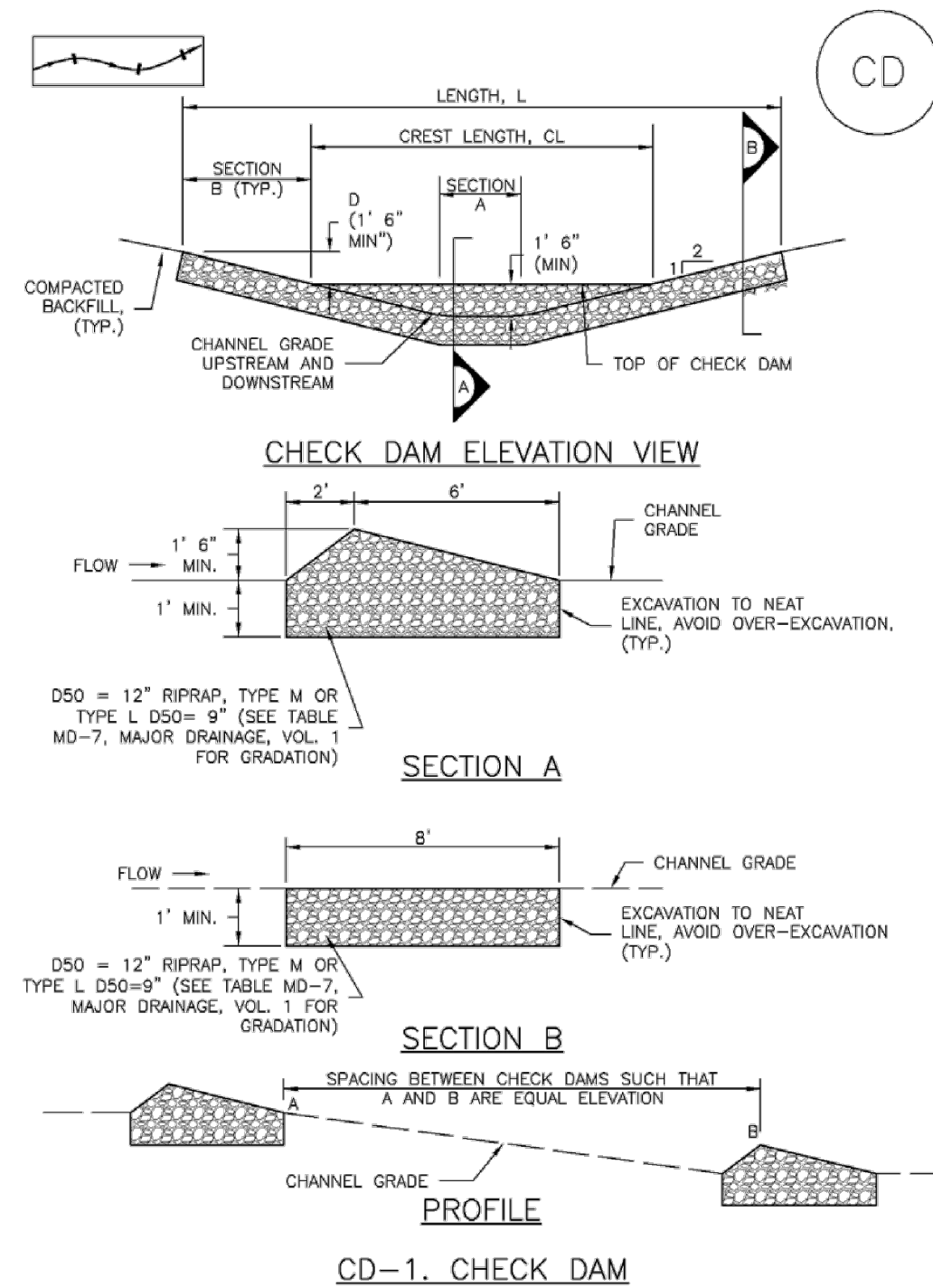
TOWN OF MONUMENT WATERLINE GRADING AND EROSION CONTROL DETAILS

SHEET NO: **24**
DATE: FEB, 2022
PAGE NO: 24 OF 25

PCD FILE NO. PPR-21-030

TOWN OF MONUMENT - WATERLINE SITE DEVELOPMENT PLANS LOT 6, FOREST VIEW ESTATES FILING NO. 4

Check Dams (CD) EC-12



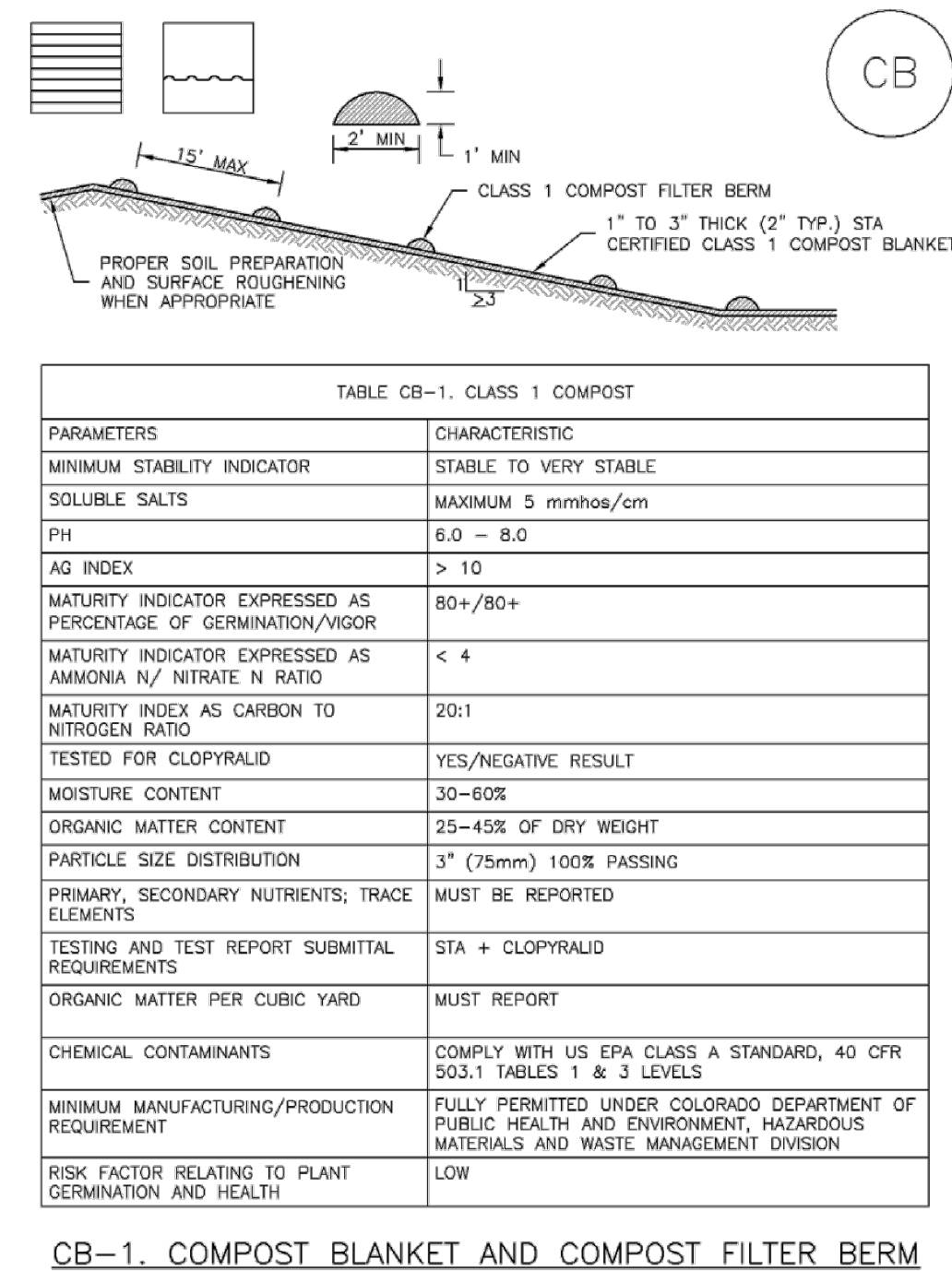
November 2010 Urban Drainage and Flood Control District
Urban Storm Drainage Criteria Manual Volume 3 CD-3

Check Dams (CD) EC-12

- CHECK DAM INSTALLATION NOTES**
- SEE PLAN VIEW FOR:
 - LOCATION OF CHECK DAMS.
 - CHECK DAM TYPE (CHECK DAM OR REINFORCED CHECK DAM).
 - LENGTH (L), CREST LENGTH (CL), AND DEPTH (D).
 - CHECK DAMS INDICATED ON INITIAL SWMP SHALL BE INSTALLED AFTER CONSTRUCTION FENCE, BUT PRIOR TO ANY UPSTREAM LAND DISTURBING ACTIVITIES.
 - RIPRAP UTILIZED FOR CHECK DAMS SHOULD BE OF APPROPRIATE SIZE FOR THE APPLICATION. TYPICAL TYPES OF RIPRAP USED FOR CHECK DAMS ARE TYPE M (D50 12") OR TYPE L (D50 9").
 - RIPRAP PAD SHALL BE TRENCHED INTO THE GROUND A MINIMUM OF 1'.
 - THE ENDS OF THE CHECK DAM SHALL BE A MINIMUM OF 1' 6" HIGHER THAN THE CENTER OF THE CHECK DAM.
- CHECK DAM MAINTENANCE NOTES**
- INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
 - FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
 - WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
 - SEDIMENT ACCUMULATED UPSTREAM OF THE CHECK DAMS SHALL BE REMOVED WHEN THE SEDIMENT DEPTH IS WITHIN 1/2 OF THE HEIGHT OF THE CREST.
 - CHECK DAMS ARE TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND APPROVED BY THE LOCAL JURISDICTION.
 - WHEN CHECK DAMS ARE REMOVED, EXCAVATIONS SHALL BE FILLED WITH SUITABLE COMPACTED BACKFILL. DISTURBED AREA SHALL BE SEEDED AND MULCHED AND COVERED WITH GEOTEXTILE OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE LOCAL JURISDICTION. (DETAILS ADAPTED FROM DOUGLAS COUNTY, COLORADO, NOT AVAILABLE IN AUTOCAD)
- NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.**

November 2010 Urban Drainage and Flood Control District
Urban Storm Drainage Criteria Manual Volume 3 CD-4

Compost Blanket and Filter Berm (CB) EC-5



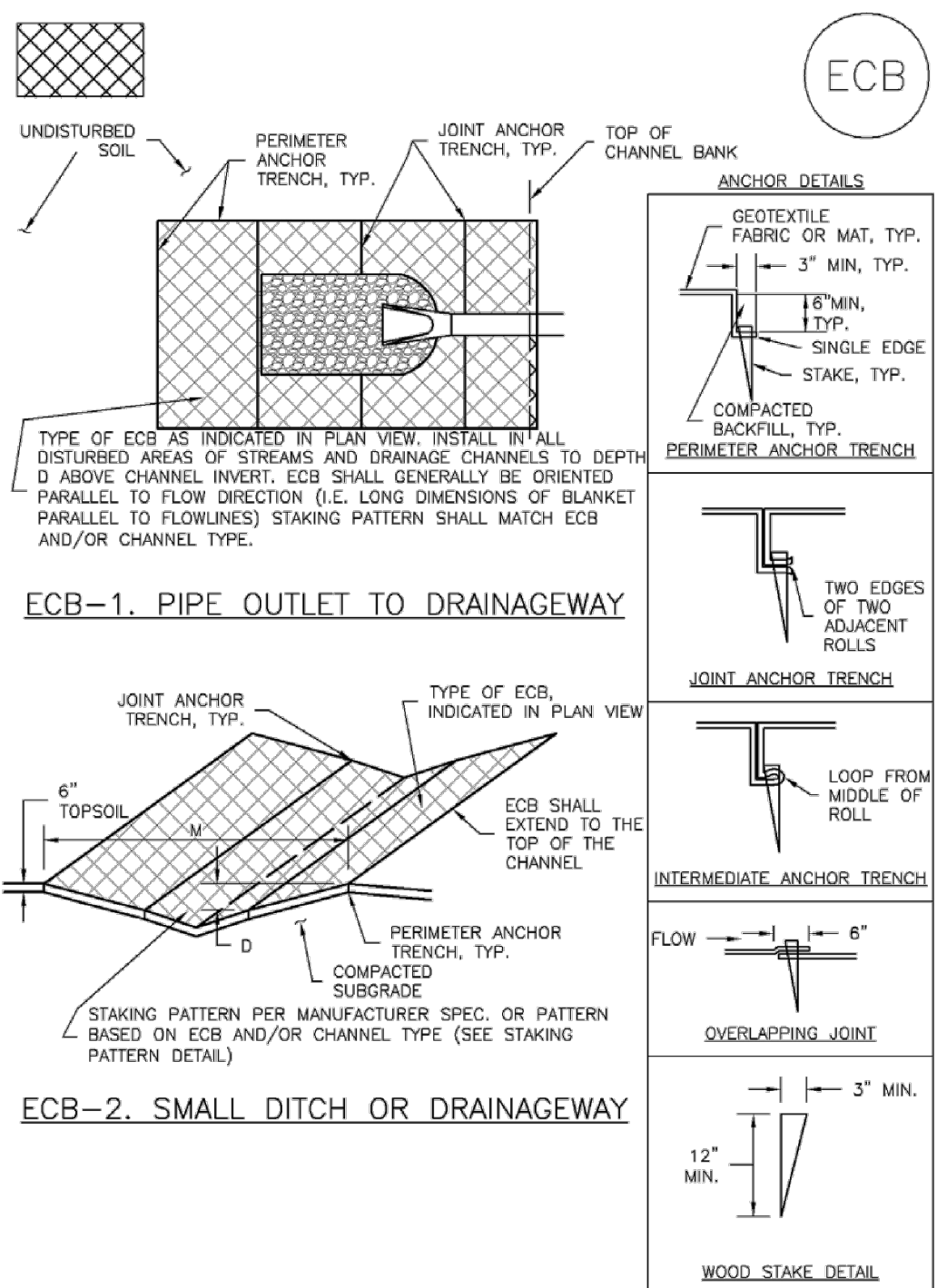
November 2010 Urban Drainage and Flood Control District
Urban Storm Drainage Criteria Manual Volume 3 CB-3

Compost Blanket and Filter Berm (CB) EC-5

- COMPOST FILTER BERM AND COMPOST BLANKET INSTALLATION NOTES**
- SEE PLAN VIEW FOR:
 - LOCATION OF COMPOST FILTER BERM(S).
 - LENGTH OF COMPOST FILTER BERM(S).
 - COMPOST BERMS AND BLANKETS MAY BE USED IN PLACE OF STRAW MULCH OR GEOTEXTILE FABRIC IN AREAS WHERE ACCESS TO LANDSCAPING IS DIFFICULT DUE TO LANDSCAPING OR OTHER OBJECTS OR IN AREAS WHERE A SMOOTH TURF GRASS FINISH IS DESIRED.
 - FILTER BERMS SHALL RUN PARALLEL TO THE CONTOUR.
 - FILTER BERMS SHALL BE A MINIMUM OF 1 FEET HIGH AND 2 FEET WIDE.
 - FILTER BERMS SHALL BE APPLIED BY PNEUMATIC BLOWER OR BY HAND.
 - FILTER BERMS SHALL ONLY BE UTILIZED IN AREAS WHERE SHEET FLOW CONDITIONS PREVAIL AND NOT IN AREAS OF CONCENTRATED FLOW.
 - COMPOST BLANKETS SHALL BE APPLIED AT A DEPTH OF 1 - 3 INCHES (TYPICALLY 2 INCHES). FOR AREAS WITH EXISTING VEGETATION THAT ARE TO BE SUPPLEMENTED BY COMPOST, A THIN 0.5-INCH LAYER MAY BE USED.
 - SEEDING SHALL BE PERFORMED PRIOR TO THE APPLICATION OF COMPOST. ALTERNATIVELY, SEED MAY BE COMBINED WITH COMPOST AND BLOWN WITH THE PNEUMATIC BLOWER.
 - WHEN TURF GRASS FINISH IS NOT DESIRED, SURFACE ROUGHENING ON SLOPES SHALL TAKE PLACE PRIOR TO COMPOST APPLICATION.
 - COMPOST SHALL BE A CLASS 1 COMPOST AS DEFINED BY TABLE CB-1.
- COMPOST FILTER BERM MAINTENANCE NOTES**
- INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
 - FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
 - WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
 - COMPOST BERMS AND BLANKETS SHALL BE REAPPLIED OR REGRADED AS NECESSARY IF RILLING IN THE COMPOST SURFACE OCCURS. (DETAILS ADAPTED FROM ARAPAHOE COUNTY, COLORADO, NOT AVAILABLE IN AUTOCAD)
- NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.**

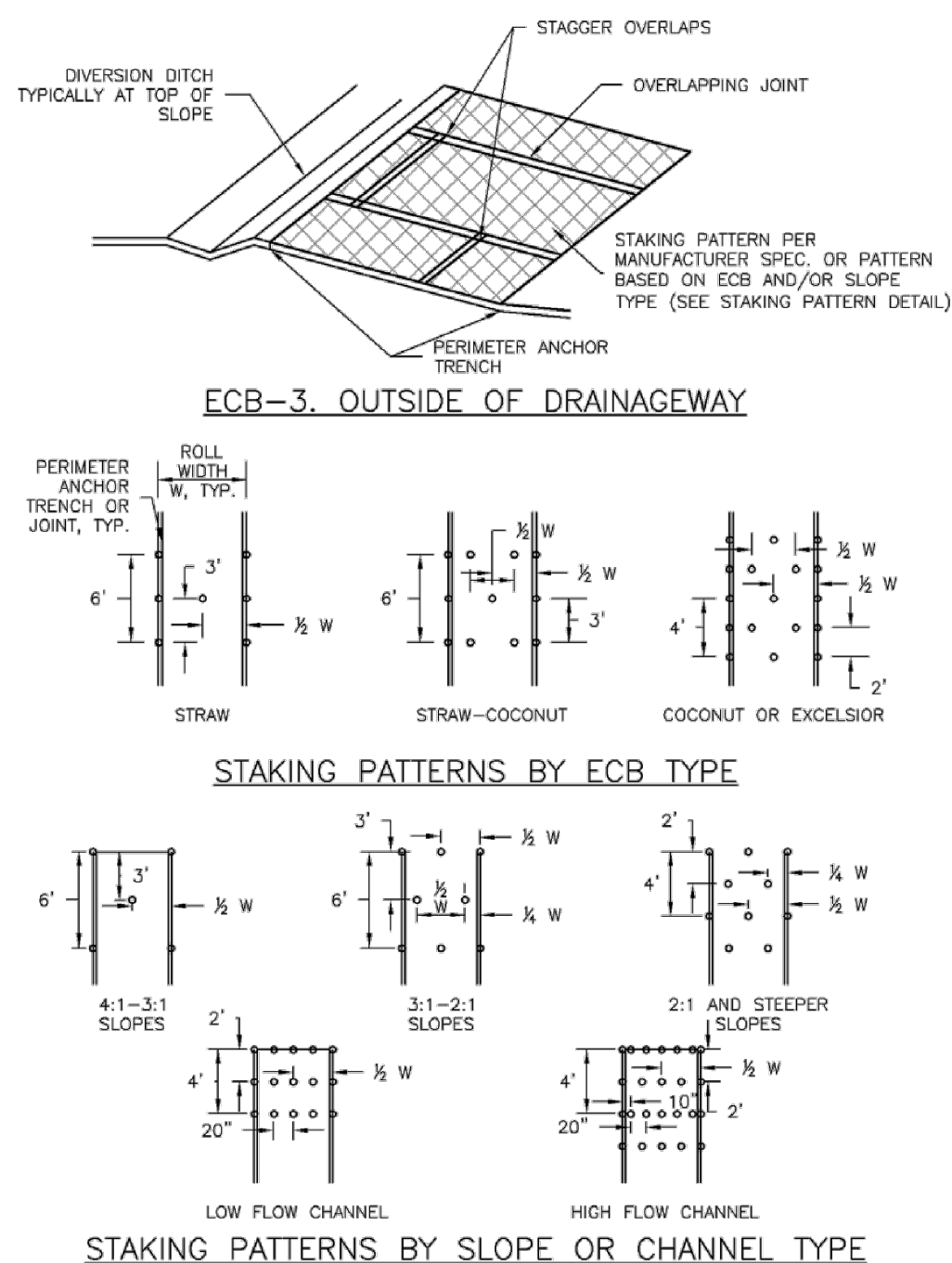
November 2010 Urban Drainage and Flood Control District
Urban Storm Drainage Criteria Manual Volume 3 CB-4

Rolled Erosion Control Products (RECP) EC-6



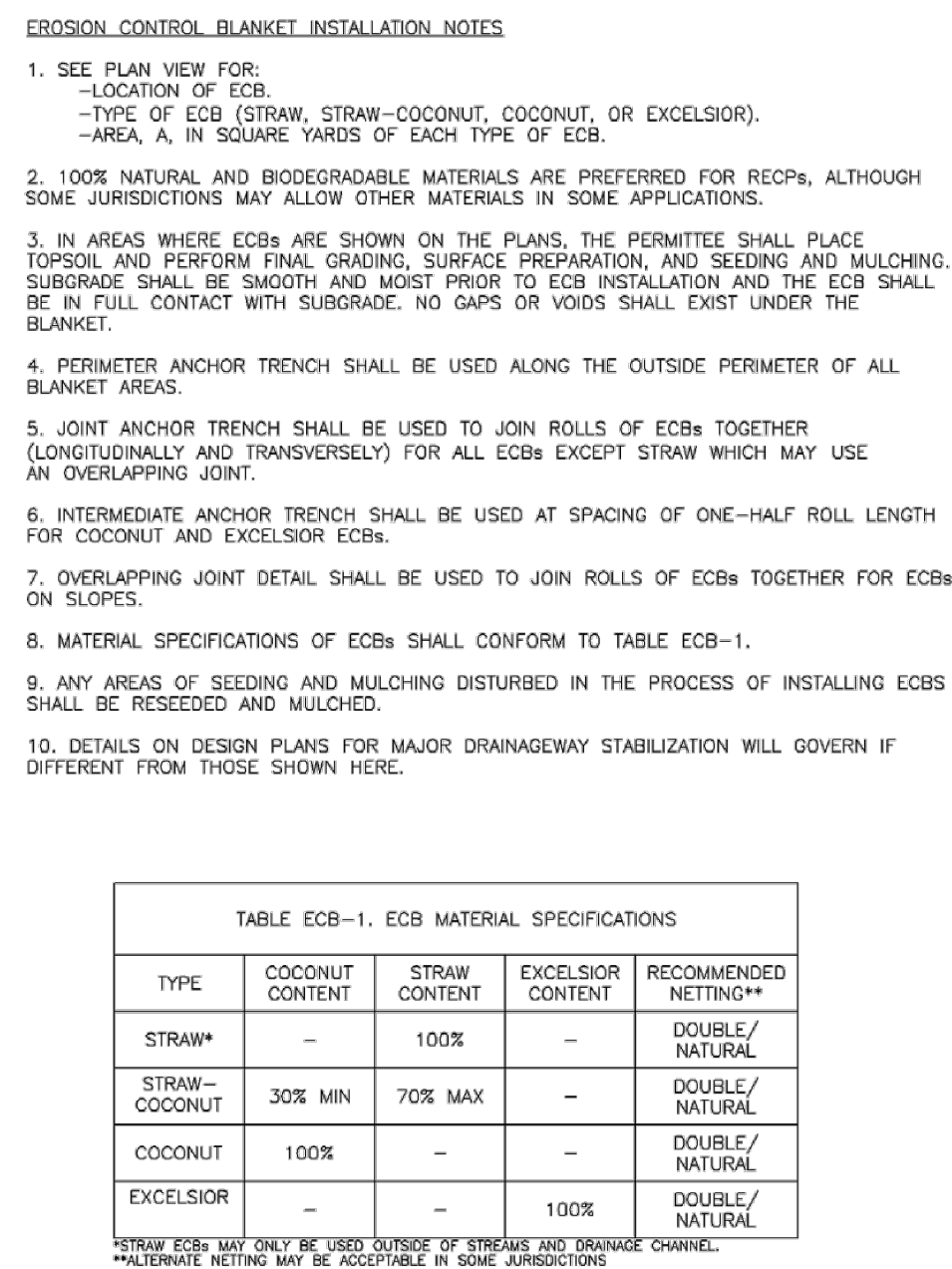
November 2010 Urban Drainage and Flood Control District
Urban Storm Drainage Criteria Manual Volume 3 RECP-6

Rolled Erosion Control Products (RECP) EC-6



November 2010 Urban Drainage and Flood Control District
Urban Storm Drainage Criteria Manual Volume 3 RECP-7

Rolled Erosion Control Products (RECP) EC-6



November 2010 Urban Drainage and Flood Control District
Urban Storm Drainage Criteria Manual Volume 3 RECP-8

Rolled Erosion Control Products (RECP) EC-6

- EROSION CONTROL BLANKET MAINTENANCE NOTES**
- INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
 - FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
 - WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
 - ECBs SHALL BE LEFT IN PLACE TO EVENTUALLY BIODEGRADE, UNLESS REQUESTED TO BE REMOVED BY THE LOCAL JURISDICTION.
 - ANY ECB PULLED OUT, TORN, OR OTHERWISE DAMAGED SHALL BE REPAIRED OR REINSTALLED. ANY SUBGRADE AREAS BELOW THE GEOTEXTILE THAT HAVE ERODED TO CREATED A VOID UNDER THE BLANKET, OR THAT REMAIN DEVOID OF GRASS SHALL BE REPAIRED, RESEEDED AND MULCHED AND THE ECB REINSTALLED. (DETAILS ADAPTED FROM DOUGLAS COUNTY, COLORADO AND TOWN OF PARKER, COLORADO, NOT AVAILABLE IN AUTOCAD)
- NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.**

November 2010 Urban Drainage and Flood Control District
Urban Storm Drainage Criteria Manual Volume 3 RECP-9

PROJECT NO. 04-20-0153

DRAWN S. CALE

DESIGNED J. ADAMS

APPROVED J. ADAMS

DATE 5/19/22

SCALE

REVISIONS

NO.

BY

DATE

FORSGREN Associates, Inc.

56 INVERNESS DRIVE EAST #112, ENGLEWOOD, CO 80112

PH: 720.232.6644

COLORADO REGISTERED PROFESSIONAL ENGINEER

JAMIE LEEDS

5/19/22

38375

TOWN OF MONUMENT WATERLINE

GRADING AND EROSION CONTROL DETAILS

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