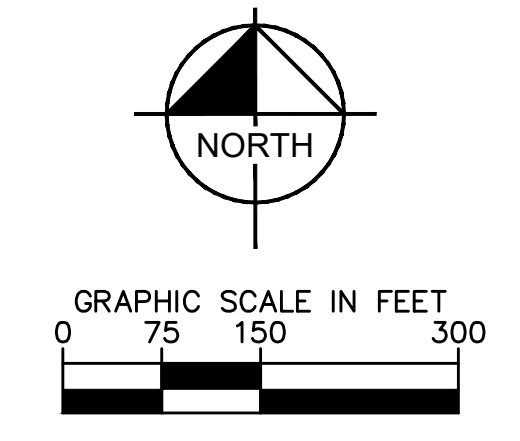
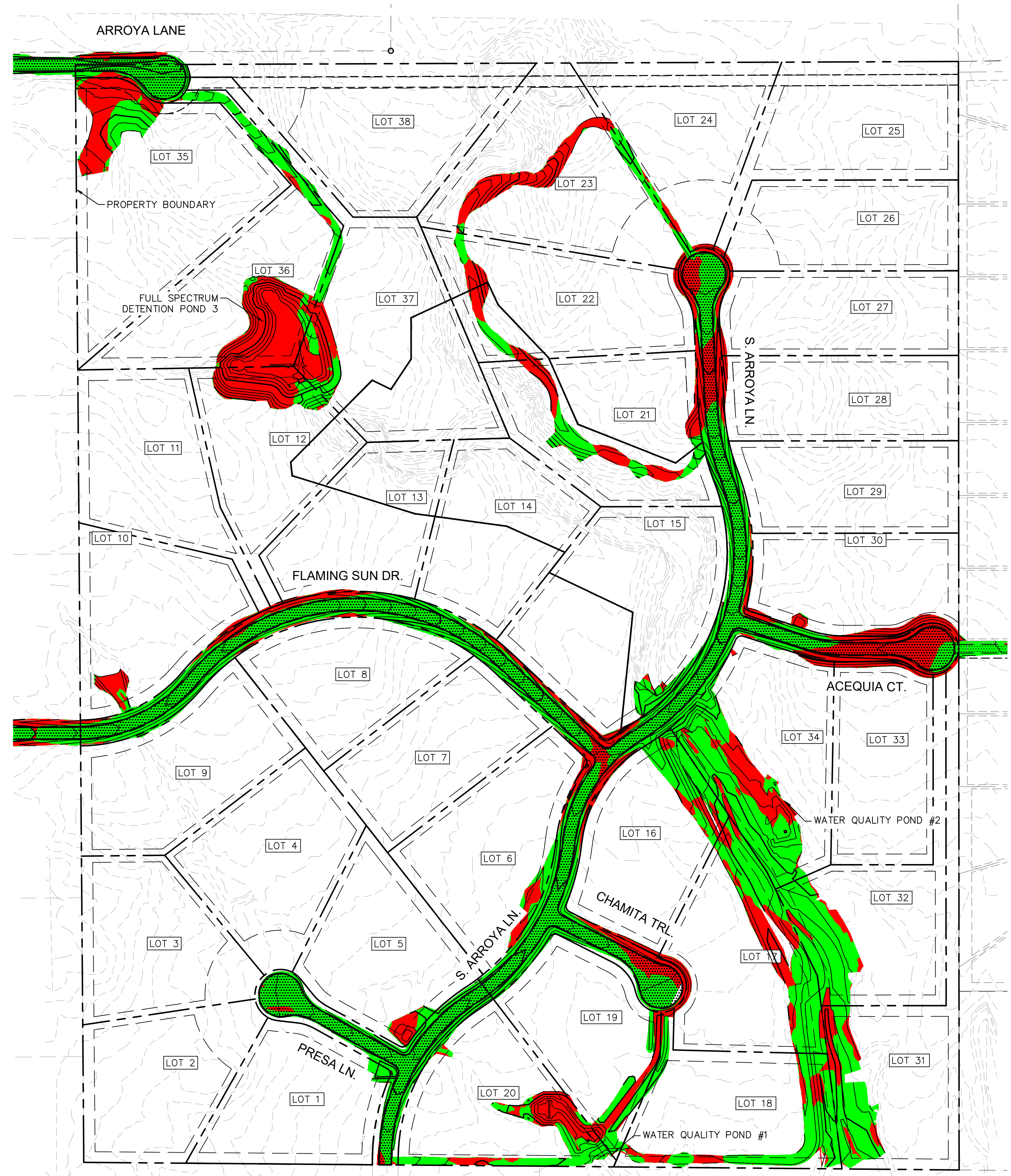




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**LEGEND**

CUT AREA

FILL AREA

TOTAL CUT: 24,000 CY + 6575 CY ROADWAY EXCAVATION + 130 CY CHECK STRUCTURES

TOTAL FILL: 38,940 CY

NET: 8,235 CY (FILL)\*

\*RAW NET VALUE - NO FILL FACTOR APPLIED

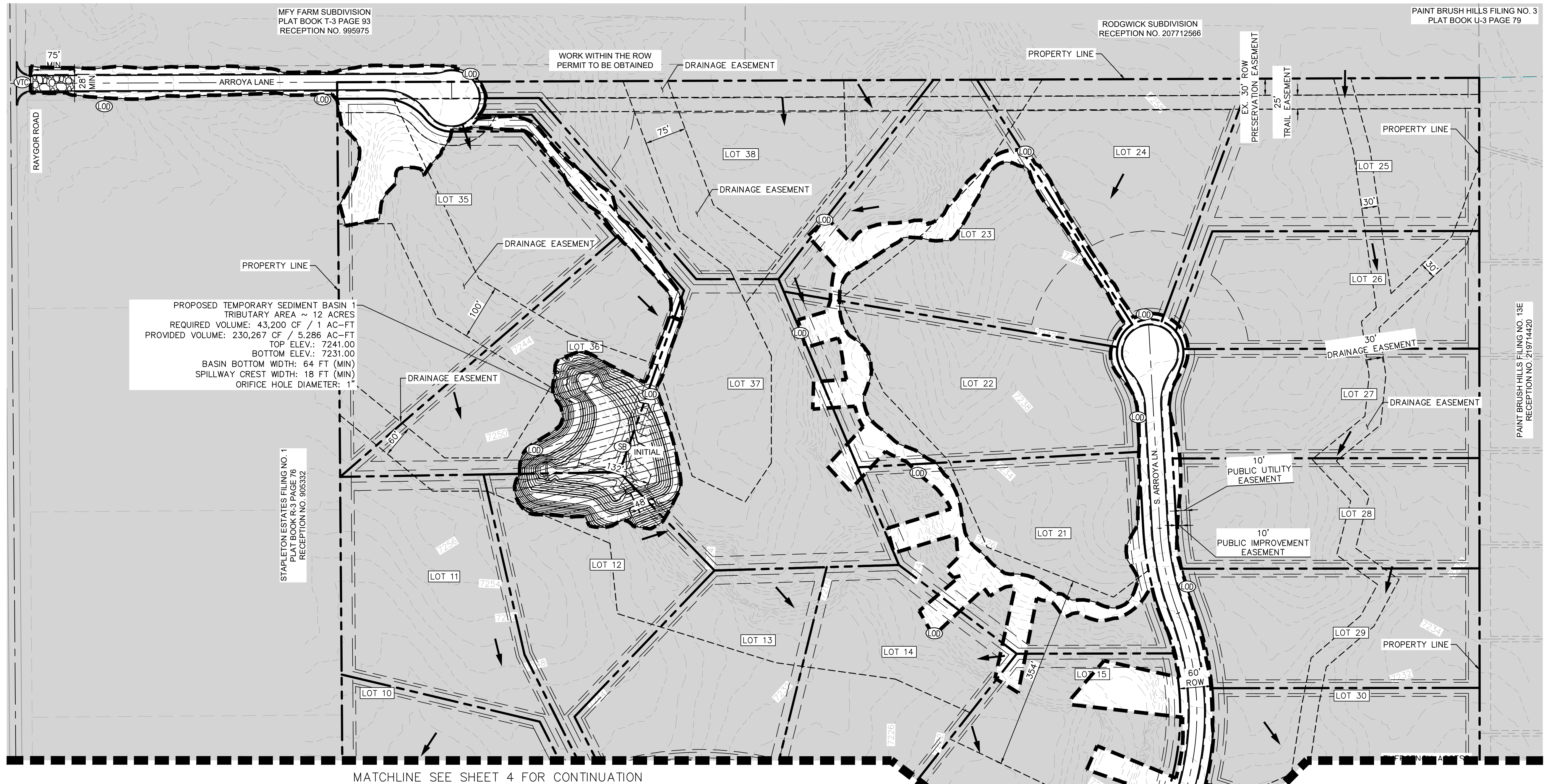
**811** Know what's below. Call before you dig.

CALL UTILITY NOTIFICATION CENTER OF COLORADO 1-800-922-1987

CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES

|   |           |  |                |  |          |  |            |  |            |
|---|-----------|--|----------------|--|----------|--|------------|--|------------|
|   | NO. _____ |  | REVISION _____ |  | BY _____ |  | DATE _____ |  | APPR _____ |
| <p style="font-size: small; margin: 0;">2024 KIMLEY-HORN AND ASSOCIATES, INC.<br/>2 North Nevada Avenue Suite 900<br/>Colorado Springs, Colorado 80903 (719) 453-0180</p> |           |  |                |  |          |  |            |  |            |
| <p style="margin: 0;">DESIGNED BY: MJK<br/>DRAWN BY: MJK<br/>CHECKED BY: KRK<br/>DATE: 04/17/2024</p>   |           |  |                |  |          |  |            |  |            |
| <p style="margin: 0;"><b>EAGLEVIEW</b><br/>EL PASO COUNTY, COLORADO<br/>GRADING AND EROSION CONTROL PLAN<br/>CUT FILL MAP</p>   |           |  |                |  |          |  |            |  |            |
| <p style="margin: 0;"><b>PRELIMINARY</b><br/>FOR REVIEW ONLY<br/>NOT FOR CONSTRUCTION</p>   |           |  |                |  |          |  |            |  |            |
| <p style="margin: 0;">PROJECT NO.<br/>196106001</p>   |           |  |                |  |          |  |            |  |            |
| <p style="margin: 0;">SHEET</p> <p style="font-size: 24px; font-weight: bold; margin: 0;">2</p>   |           |  |                |  |          |  |            |  |            |

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PROPOSED TEMPORARY SEDIMENT BASIN 1  
 TRIBUTARY AREA ~ 12 ACRES  
 REQUIRED VOLUME: 43,200 CF / 1 AC-FT  
 PROVIDED VOLUME: 230,267 CF / 5.286 AC-FT  
 TOP ELEV.: 7241.00  
 BOTTOM ELEV.: 7231.00  
 BASIN BOTTOM WIDTH: 64 FT (MIN)  
 SPILLWAY CREST WIDTH: 18 FT (MIN)  
 ORIFICE HOLE DIAMETER: 1'

STAPLETON ESTATES FILING NO. 1  
 PLAT BOOK NO. 196532  
 RECEPTION NO. 90532

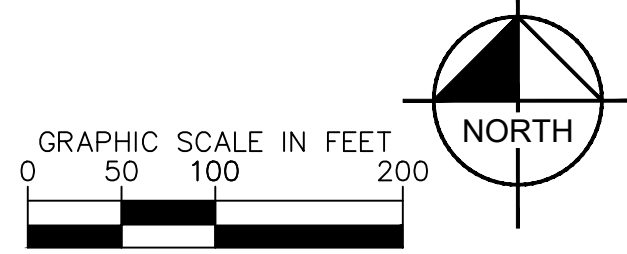
MFY FARM SUBDIVISION  
 PLAT BOOK T-3 PAGE 93  
 RECEPTION NO. 995975

RODGWICK SUBDIVISION  
 RECEPTION NO. 207712566

PAINT BRUSH HILLS FILING NO. 3  
 PLAT BOOK U-3 PAGE 79

PAINT BRUSH HILLS FILING NO. 13E  
 RECEPTION NO. 219714420

MATCHLINE SEE SHEET 4 FOR CONTINUATION



**NOTES**

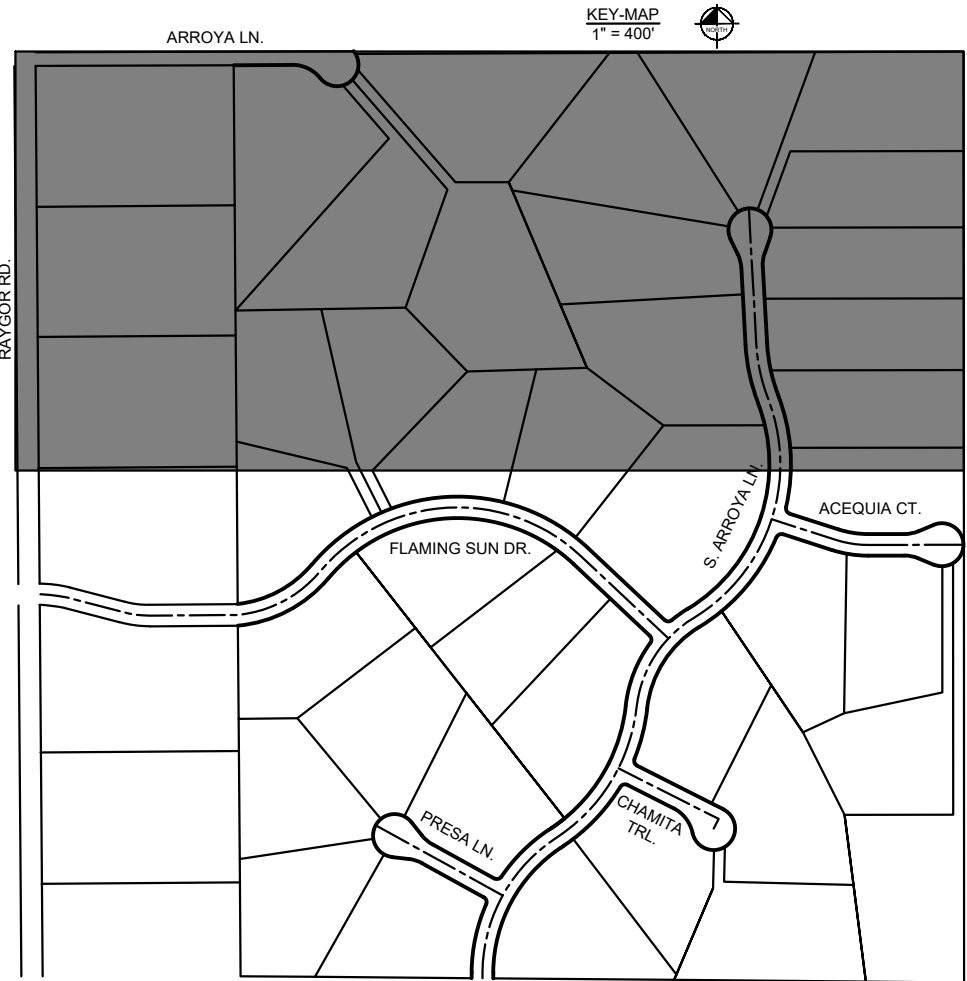
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9. VEGETATION COVER IS ABOUT 90% CONSISTING OF NATIVE GRASSES, TREES AND SHRUBS, BASED ON VISUAL INSPECTION
10. NO ASPHALT OR CONCRETE BATCH PLANTS SHALL BE USED FOR THIS PROJECT.

**LIMITS OF CONSTRUCTION**

ONSITE DISTURBANCE = ±22.21 ACRES

**LEGEND**

- |         |                                    |         |     |                          |
|---------|------------------------------------|---------|-----|--------------------------|
| —       | PROPERTY LINE                      |         | ECB | EROSION CONTROL BLANKET  |
| - - - - | DRAINAGE EASEMENT                  |         | VT  | VEHICLE TRACKING CONTROL |
| - - - - | LIMITS OF DISTURBANCE/CONSTRUCTION |         | SS  | SOIL STOCKPILE           |
| - - - - | SILT FENCE                         |         | SB  | TEMPORARY SEDIMENT BASIN |
| - - - - | CONSTRUCTION FENCE                 |         |     | EXISTING FLOW ARROW      |
| - - - - | SEDIMENT CONTROL LOGS              | - - - - |     | EXISTING MINOR CONTOUR   |
|         | CWA                                | - - - - |     | EXISTING MAJOR CONTOUR   |
|         | SSA                                | 54XX    |     | PROPOSED MAJOR CONTOUR   |
|         |                                    | 54XX    |     | PROPOSED MINOR CONTOUR   |



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 1-800-922-1987  
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 BEFORE YOU DIG, GRADE, OR EXCAVATE  
 FOR THE MARKING OF UNDERGROUND  
 MEMBER UTILITIES

**Kimley»Horn**  
 2024, KIMLEY-HORN AND ASSOCIATES, INC.  
 2 North Nevada Avenue Suite 900  
 Colorado Springs, Colorado 80903 (719) 453-0180

DESIGNED BY: MJK  
 DRAWN BY: MJK  
 CHECKED BY: KRK  
 DATE: 04/17/2024

EAGLEVIEW  
 EL PASO COUNTY, COLORADO  
 GRADING AND EROSION CONTROL PLAN  
 INITIAL GEC PLAN

PRELIMINARY  
 FOR REVIEW ONLY  
 NOT FOR CONSTRUCTION  
 Kimley»Horn  
 Kimley-Horn and Associates, Inc.

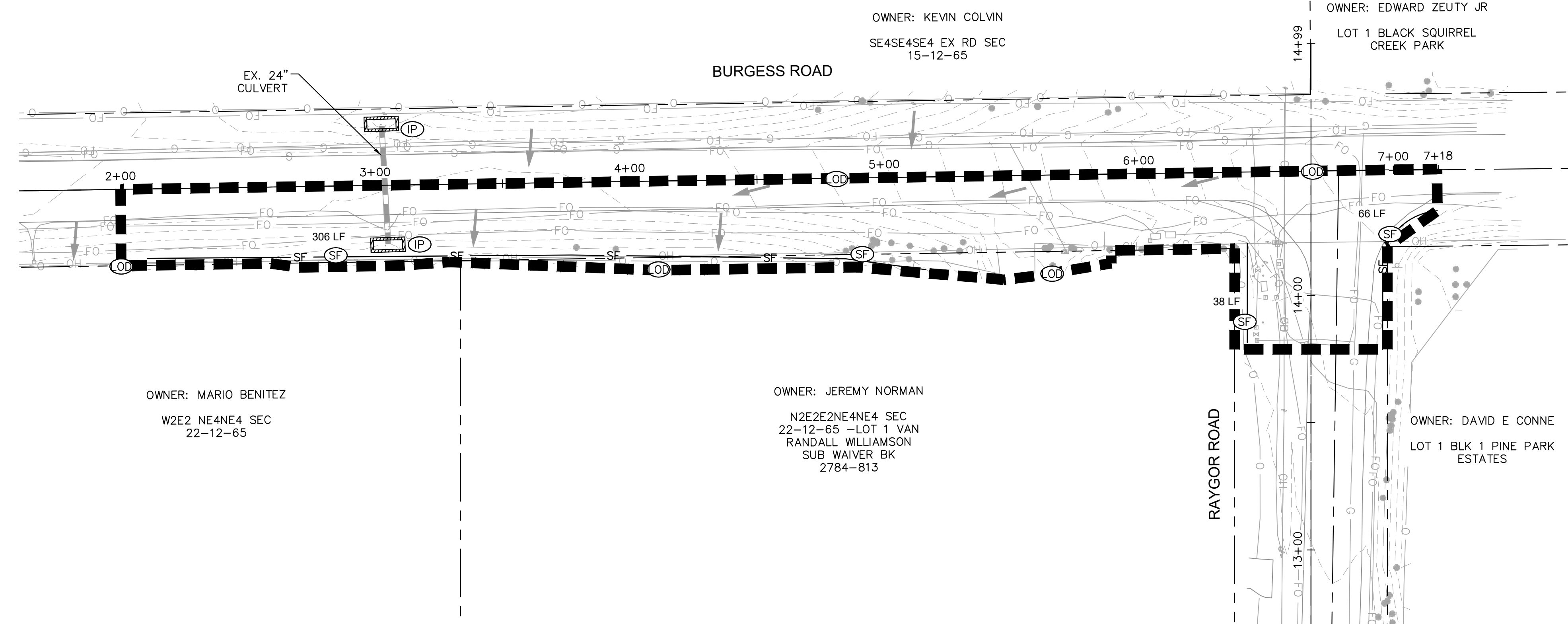
PROJECT NO.  
 196106001

SHEET

| NO. | REVISION | BY | DATE | APPR. |
|-----|----------|----|------|-------|
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|     |          |    |      |       |
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**NOTES**

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8. ROCK CHECK DAMS (CD) MAY BE SUBSTITUTED FOR SEDIMENT CONTROL LOGS (SCL) OR STRAW WADDLES. CONTRACTOR TO DETERMINE LOCATION OF CD WITHIN THE ROADSIDE DITCH (SEE TABLE FOR MIN. SPACING REQUIREMENTS) IN COORDINATION WITH COUNTY INSPECTORS.
9. DEMOLITION, REMOVAL, OVEREXCAVATION AND SOIL TREATMENT SHALL BE IN ACCORDANCE WITH THE GEOTECHNICAL ENGINEER RECOMMENDATIONS AS NOTED IN THE APPROVED PROJECT GEOTECHNICAL REPORT.
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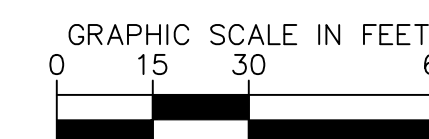
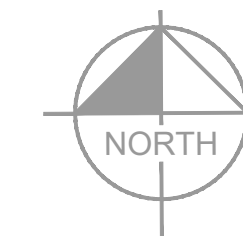
**LEGEND**

- PROPERTY LINE
- (OD) LIMITS OF DISTURBANCE/CONSTRUCTION
- (SF) SILT FENCE
- (CD) CHECK DAMS (NOTE 8)
- (IP) CULVERT INLET/OUTLET PROTECTION
- FLOW ARROW
- 64XX--- EXISTING MINOR CONTOUR
- 64XX--- EXISTING MAJOR CONTOUR
- 54XX--- PROPOSED MAJOR CONTOUR
- 54XX--- PROPOSED MINOR CONTOUR

**LIMITS OF CONSTRUCTION**

OFFSITE DISTURBANCE = ±0.44 ACRES

| SIZE OF SCL (STRAW WADDLE) | SPACING (PER VERTICAL FEET OF FALL) |
|----------------------------|-------------------------------------|
| 9 INCH                     | 1.5 FEET                            |
| 12 INCH                    | 2 FEET                              |
| 16 INCH                    | 2.67 FEET                           |



| NO. | REVISION | BY | DATE | APPR. |
|-----|----------|----|------|-------|
|     |          |    |      |       |

**Kimley»Horn**  
 2024 KIMLEY-HORN AND ASSOCIATES, INC.  
 2 North Nevada Avenue Suite 900  
 Colorado Springs, Colorado 80903 (719) 453-0180

DESIGNED BY: MJK  
 DRAWN BY: MJK  
 CHECKED BY: KKK  
 DATE: 04/17/2024

**EAGLEVIEW  
 EL PASO COUNTY, COLORADO  
 GRADING AND EROSION CONTROL PLAN  
 OFF-SITE INITIAL GEC PLAN**

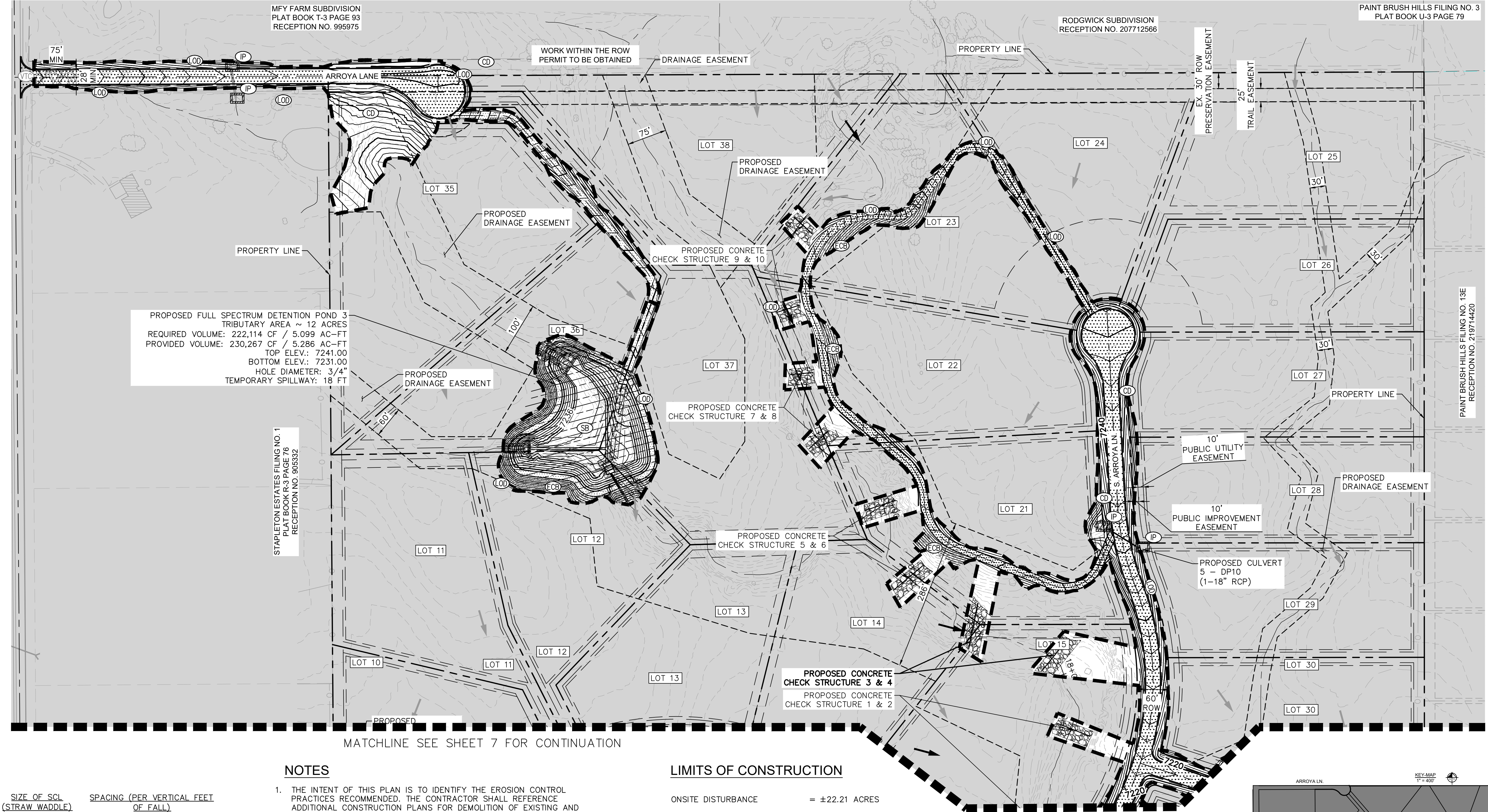
**PRELIMINARY**  
 FOR REVIEW ONLY  
 NOT FOR  
 CONSTRUCTION  
**Kimley»Horn**  
 Kimley-Horn and Associates, Inc.

PROJECT NO.  
196106001

SHEET

**5**

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**PROPOSED FULL SPECTRUM DETENTION POND 3**  
 TRIBUTARY AREA ~ 12 ACRES  
 REQUIRED VOLUME: 222,114 CF / 5.099 AC-FT  
 PROVIDED VOLUME: 230,267 CF / 5.286 AC-FT  
 TOP ELEV.: 7241.00  
 BOTTOM ELEV.: 7231.00  
 HOLE DIAMETER: 3/4"  
 TEMPORARY SPILLWAY: 18 FT

STAPLETON ESTATES FILING NO. 1  
 PLAT BOOK R-3 PAGE 76  
 RECEPTION NO. 905332

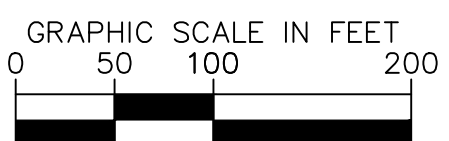
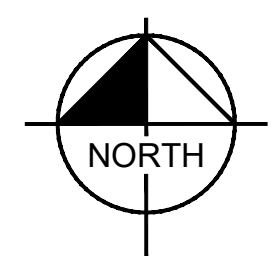
RODWICK SUBDIVISION  
 RECEPTION NO. 207712566

PAINT BRUSH HILLS FILING NO. 3  
 PLAT BOOK U-3 PAGE 79

PAINT BRUSH HILLS FILING NO. 13E  
 RECEPTION NO. 219714420

MATCHLINE SEE SHEET 7 FOR CONTINUATION

| SIZE OF SCL (STRAW WADDLE) | SPACING (PER VERTICAL FEET OF FALL) |
|----------------------------|-------------------------------------|
| 9 INCH                     | 1.5 FEET                            |
| 12 INCH                    | 2 FEET                              |
| 16 INCH                    | 2.67 FEET                           |



**NOTES**

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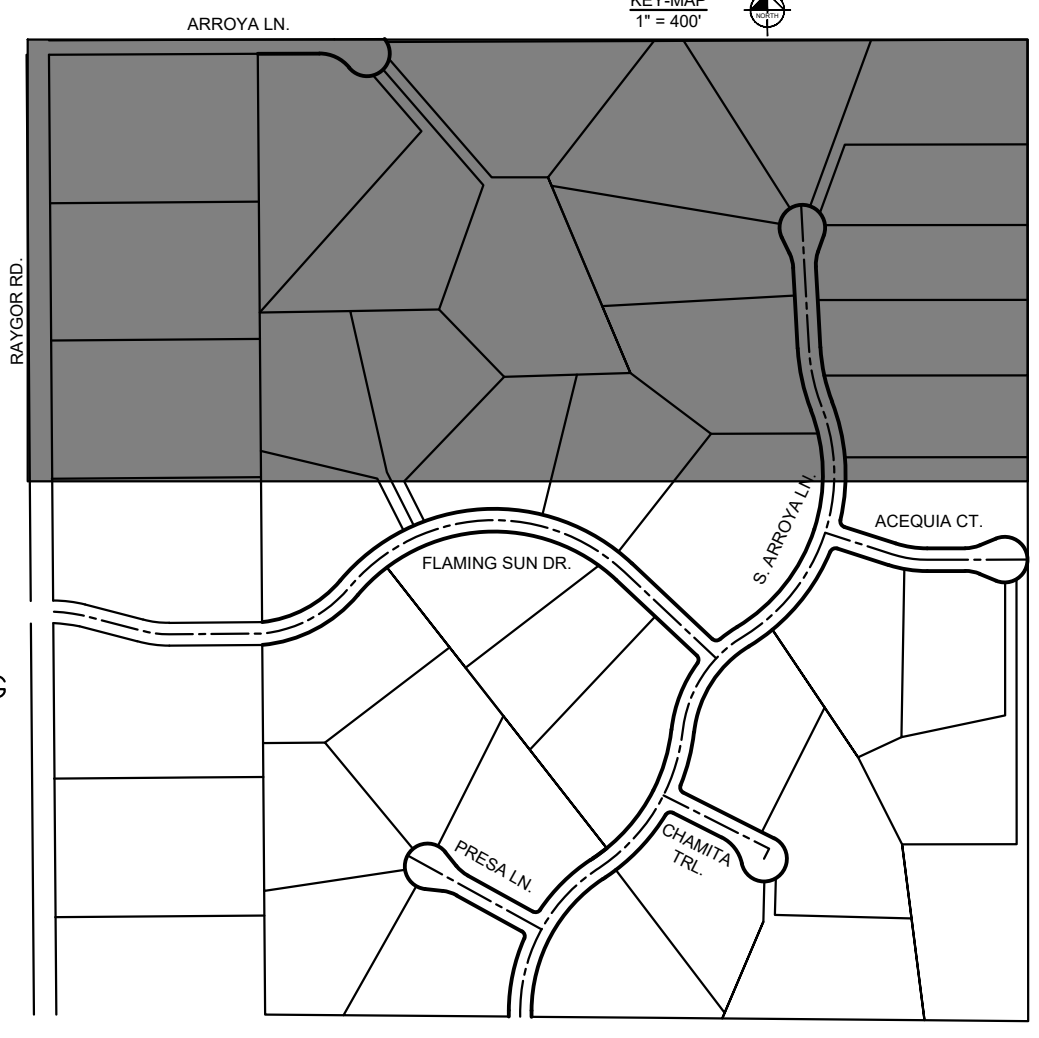
**LIMITS OF CONSTRUCTION**

ONSITE DISTURBANCE = ±22.21 ACRES

**LEGEND**

- — — — — PROPERTY LINE
- - - - - DRAINAGE EASEMENT
- - - - - LIMITS OF DISTURBANCE/CONSTRUCTION
- - - - - SF SILT FENCE
- - - - - CF CONSTRUCTION FENCE
- — — — — IP CULVERT INLET/OUTLET PROTECTION
- — — — — CWA CONCRETE WASHOUT AREA
- — — — — SSA STABILIZED STAGING AREA
- — — — — CD CHECK DAMS (NOTE 8)

- ECB EROSION CONTROL BLANKET
- VC VEHICLE TRACKING CONTROL
- SS SOIL STOCKPILE
- SB TEMPORARY SEDIMENT BASIN
- SM TEMP./PERM. SEEDING AND MULCHING
- EXISTING FLOW ARROW
- - - - - 64XX EXISTING MINOR CONTOUR
- - - - - 64XX EXISTING MAJOR CONTOUR
- — — — — 54XX PROPOSED MAJOR CONTOUR
- — — — — 54XX PROPOSED MINOR CONTOUR



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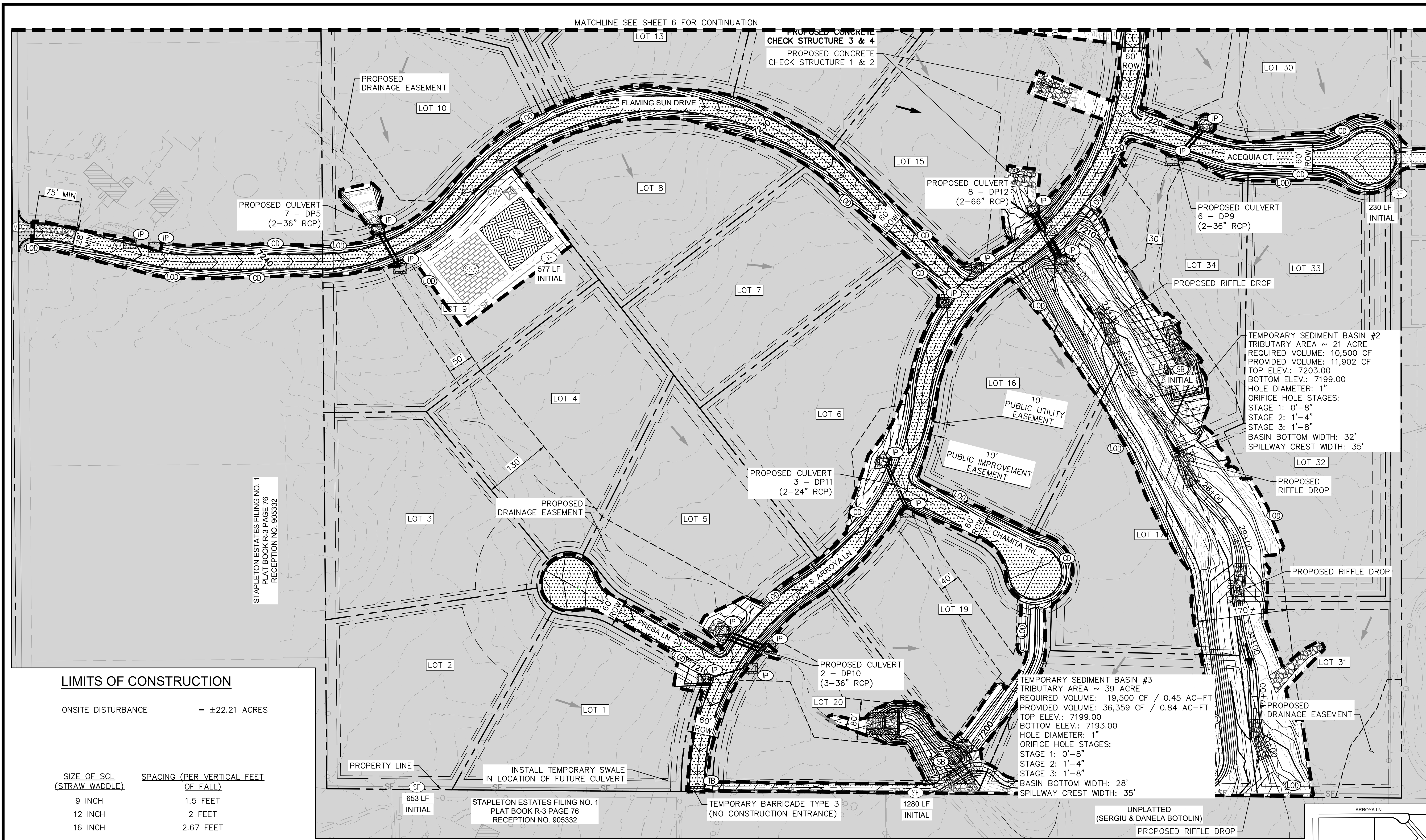
DESIGNED BY: MJK  
 DRAWN BY: MJK  
 CHECKED BY: KRK  
 DATE: 04/17/2024

**EAGLEVIEW**  
 EL PASO COUNTY, COLORADO  
 GRADING AND EROSION CONTROL PLAN  
 INTERIM GEC PLAN

PROJECT NO. 196106001  
 SHEET 6

| NO. | REVISION | BY | DATE | APPR |
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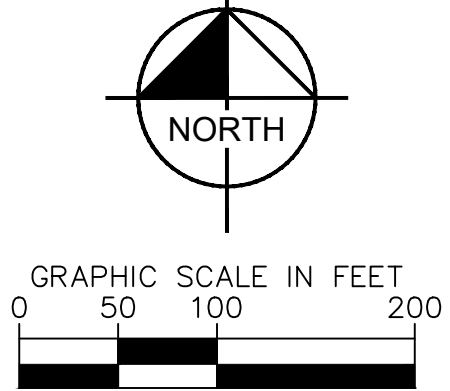
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**LIMITS OF CONSTRUCTION**

ONSITE DISTURBANCE = ±22.21 ACRES

| SIZE OF SCL (STRAW WADDLE) | SPACING (PER VERTICAL FEET OF FALL) |
|----------------------------|-------------------------------------|
| 9 INCH                     | 1.5 FEET                            |
| 12 INCH                    | 2 FEET                              |
| 16 INCH                    | 2.67 FEET                           |

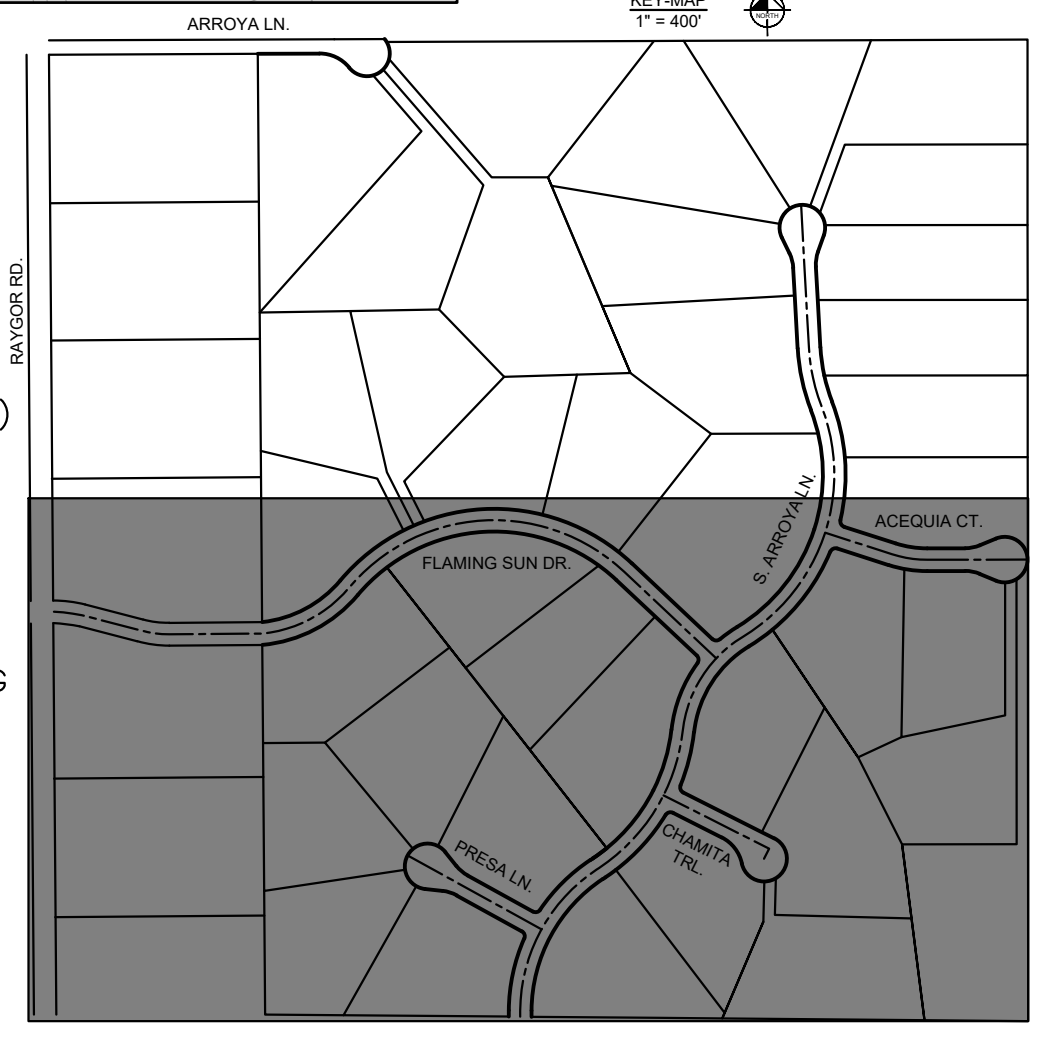


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**LEGEND**

- PROPERTY LINE
- - - DRAINAGE EASEMENT
- - - - - LIMITS OF DISTURBANCE/CONSTRUCTION
- SF --- SILT FENCE
- CF --- CONSTRUCTION FENCE
- TB --- TEMPORARY BARRICADE TYPE 3
- IP --- CULVERT INLET/OUTLET PROTECTION
- CWA --- CONCRETE WASHOUT AREA
- SSA --- STABILIZED STAGING AREA
- CD --- CHECK DAMS (NOTE 8)
- CEB --- EROSION CONTROL BLANKET (NOTE 4)
- VT --- VEHICLE TRACKING CONTROL
- SS --- SOIL STOCKPILE
- SB --- TEMPORARY SEDIMENT BASIN
- SM --- TEMP./PERM. SEEDING AND MULCHING
- > EXISTING FLOW ARROW
- - - - -64XX--- EXISTING MINOR CONTOUR
- - - - -64XX--- EXISTING MAJOR CONTOUR
- 54XX--- PROPOSED MAJOR CONTOUR
- 54XX--- PROPOSED MINOR CONTOUR



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STAPLETON ESTATES FILING NO. 1  
PLAT BOOK R-3 PAGE 76  
RECEPTION NO. 905332

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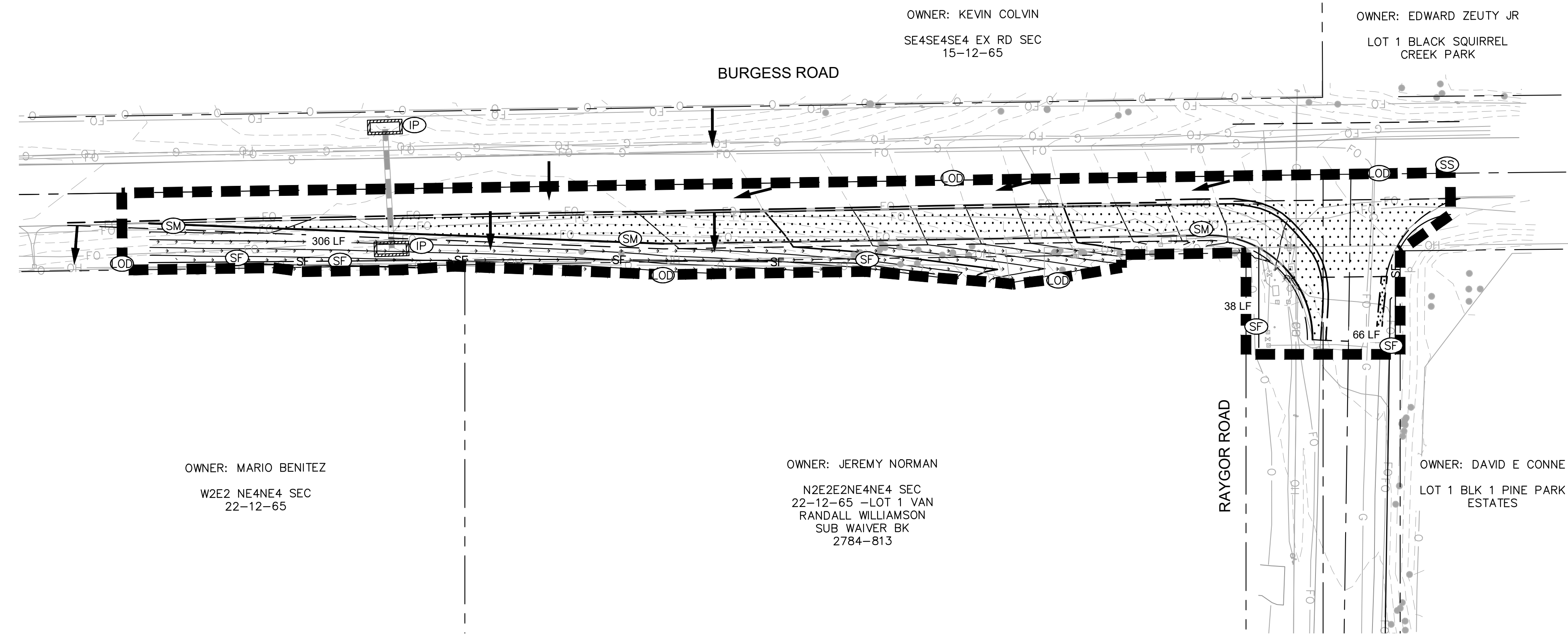
DESIGNED BY: MJK  
DRAWN BY: MJK  
CHECKED BY: KRK  
DATE: 04/17/2024

**EAGLEVIEW  
EL PASO COUNTY, COLORADO  
GRADING AND EROSION CONTROL PLAN  
INTERIM GEC PLAN**

PROJECT NO. 196106001  
SHEET 7

| NO. | REVISION | BY | DATE |
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7. ROCK CHECK DAMS (CD) MAY BE SUBSTITUTED FOR SEDIMENT CONTROL LOGS (SCL) OR STRAW WADDLES. CONTRACTOR TO DETERMINE LOCATION OF CD WITHIN THE ROADSIDE DITCH (SEE TABLE FOR MIN. SPACING REQUIREMENTS) IN COORDINATION WITH COUNTY INSPECTORS.

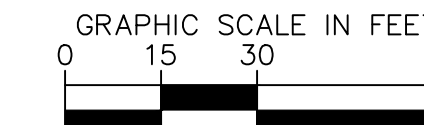
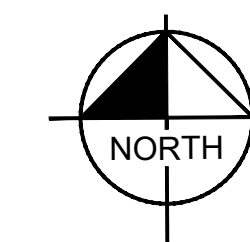
**LEGEND**

- PROPERTY LINE
- (OD) LIMITS OF DISTURBANCE/CONSTRUCTION
- (SF) SILT FENCE
- (CD) CHECK DAMS (NOTE 8)
- (IP) CULVERT INLET/OUTLET PROTECTION
- (SM) TEMP./PERM. SEEDING AND MULCHING
- FLOW ARROW
- 64XX- EXISTING MINOR CONTOUR
- 64XX- EXISTING MAJOR CONTOUR
- 54XX- PROPOSED MAJOR CONTOUR
- 54XX- PROPOSED MINOR CONTOUR

| SIZE OF SCL (STRAW WADDLE) | SPACING (PER VERTICAL FEET OF FALL) |
|----------------------------|-------------------------------------|
| 9 INCH                     | 1.5 FEET                            |
| 12 INCH                    | 2 FEET                              |
| 16 INCH                    | 2.67 FEET                           |

**LIMITS OF CONSTRUCTION**

|                     |               |
|---------------------|---------------|
| ONSITE DISTURBANCE  | = ±0.00 ACRES |
| OFFSITE DISTURBANCE | = ±0.44 ACRES |
| TOTAL               | = ±0.44 ACRES |



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| NO. | REVISION | BY | DATE | APPR. |
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2024 KIMLEY-HORN AND ASSOCIATES, INC.  
2 North Nevada Avenue Suite 900  
Colorado Springs, Colorado 80903 (719) 453-0180

DESIGNED BY: MJK  
DRAWN BY: MJK  
CHECKED BY: KRR  
DATE: 04/17/2024

EAGLEVIEW  
EL PASO COUNTY, COLORADO  
GRADING AND EROSION CONTROL PLAN  
OFFSITE-INTERIM GEC PLAN

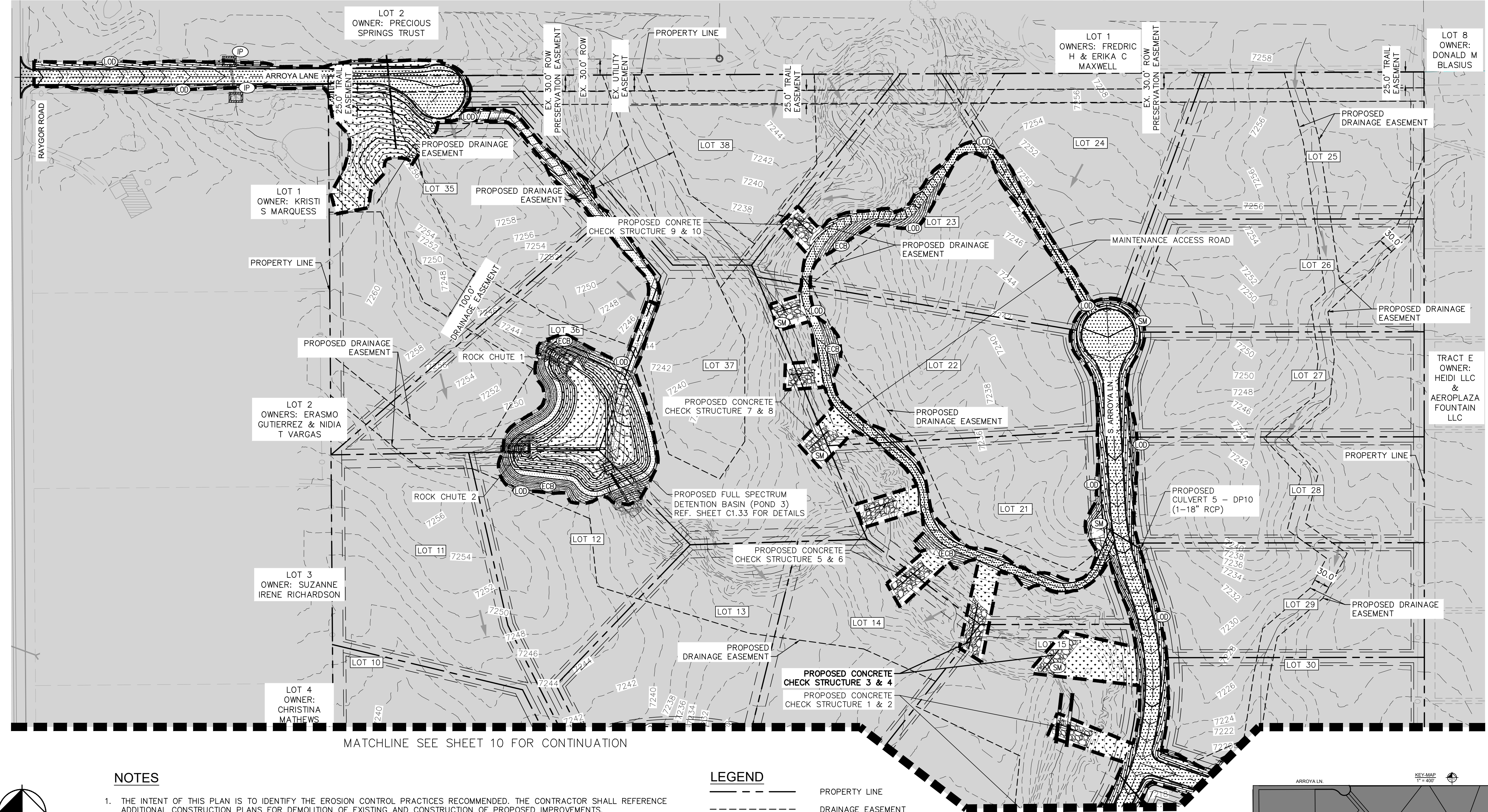
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PROJECT NO.  
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MATCHLINE SEE SHEET 10 FOR CONTINUATION

**NOTES**

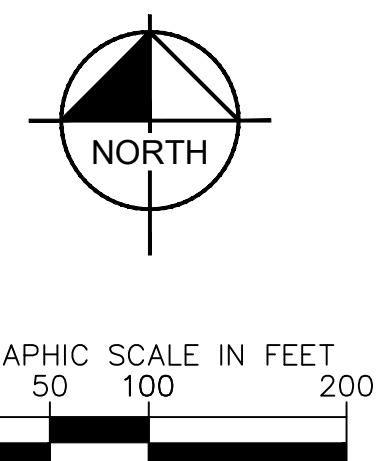
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**LEGEND**

- — — — — PROPERTY LINE
- - - - - DRAINAGE EASEMENT
- ⊙ LIMITS OF DISTURBANCE
- ⊙ EROSION CONTROL BLANKET
- ⊙ PERMANENT SEEDING AND MULCHING
- ⊙ CULVERT INLET/OUTLET PROTECTION
- EXISTING FLOW ARROW
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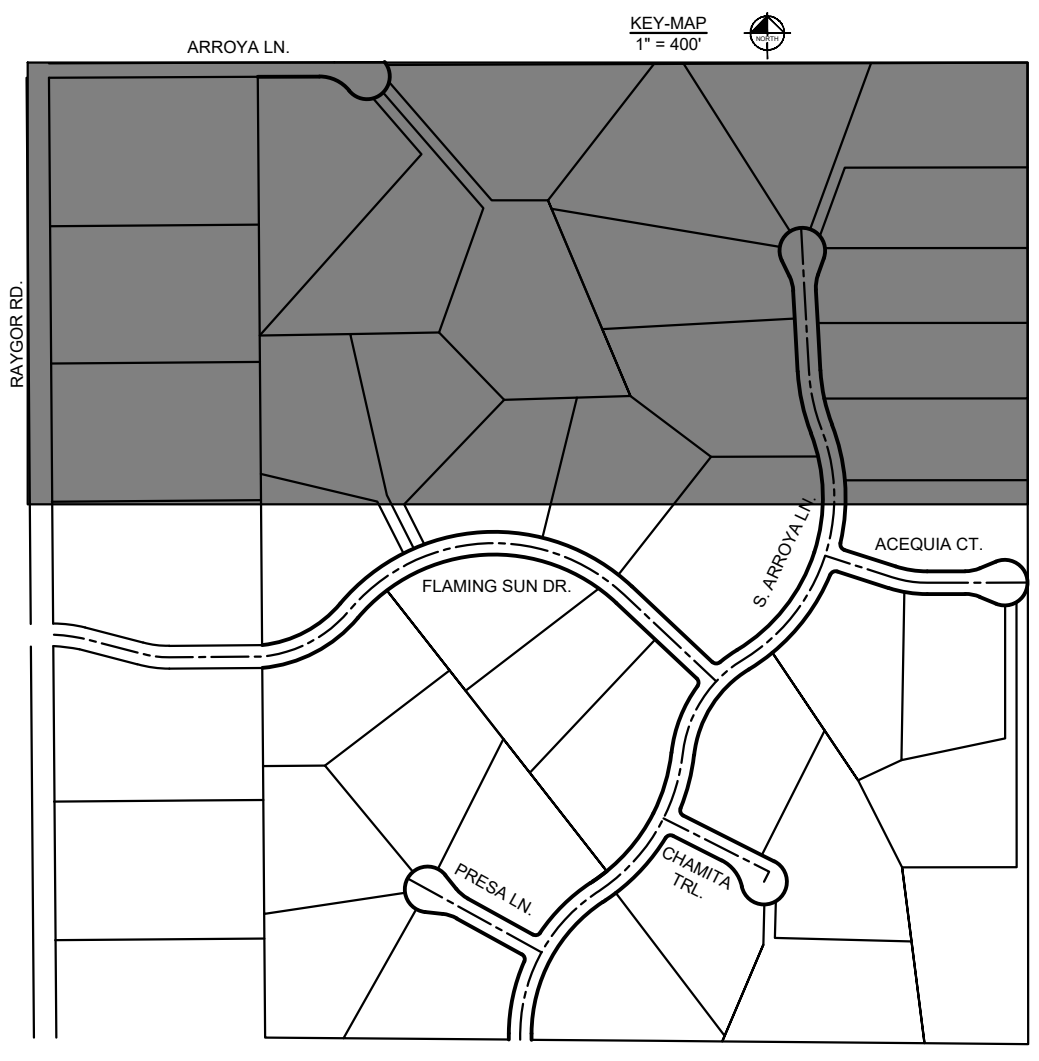
**LIMITS OF CONSTRUCTION**

ONSITE DISTURBANCE = ±22.21 ACRES



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DRAWN BY: MJK  
CHECKED BY: KRK  
DATE: 04/17/2024

EAGLEVIEW  
EL PASO COUNTY, COLORADO  
GRADING AND EROSION CONTROL PLAN  
FINAL GEC PLAN

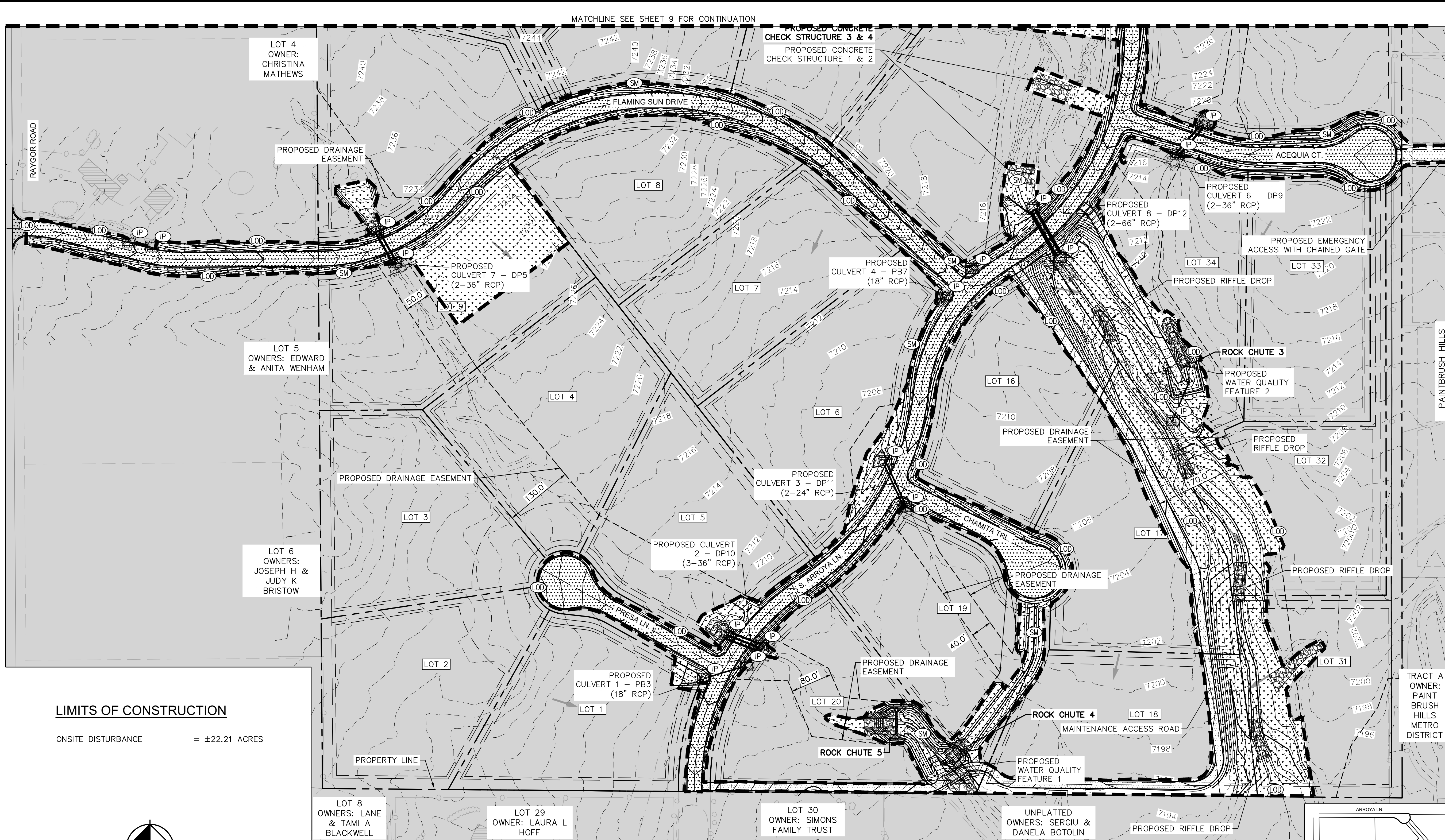
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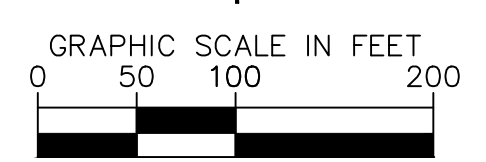
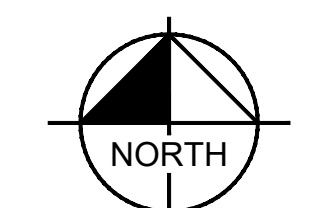
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**LIMITS OF CONSTRUCTION**

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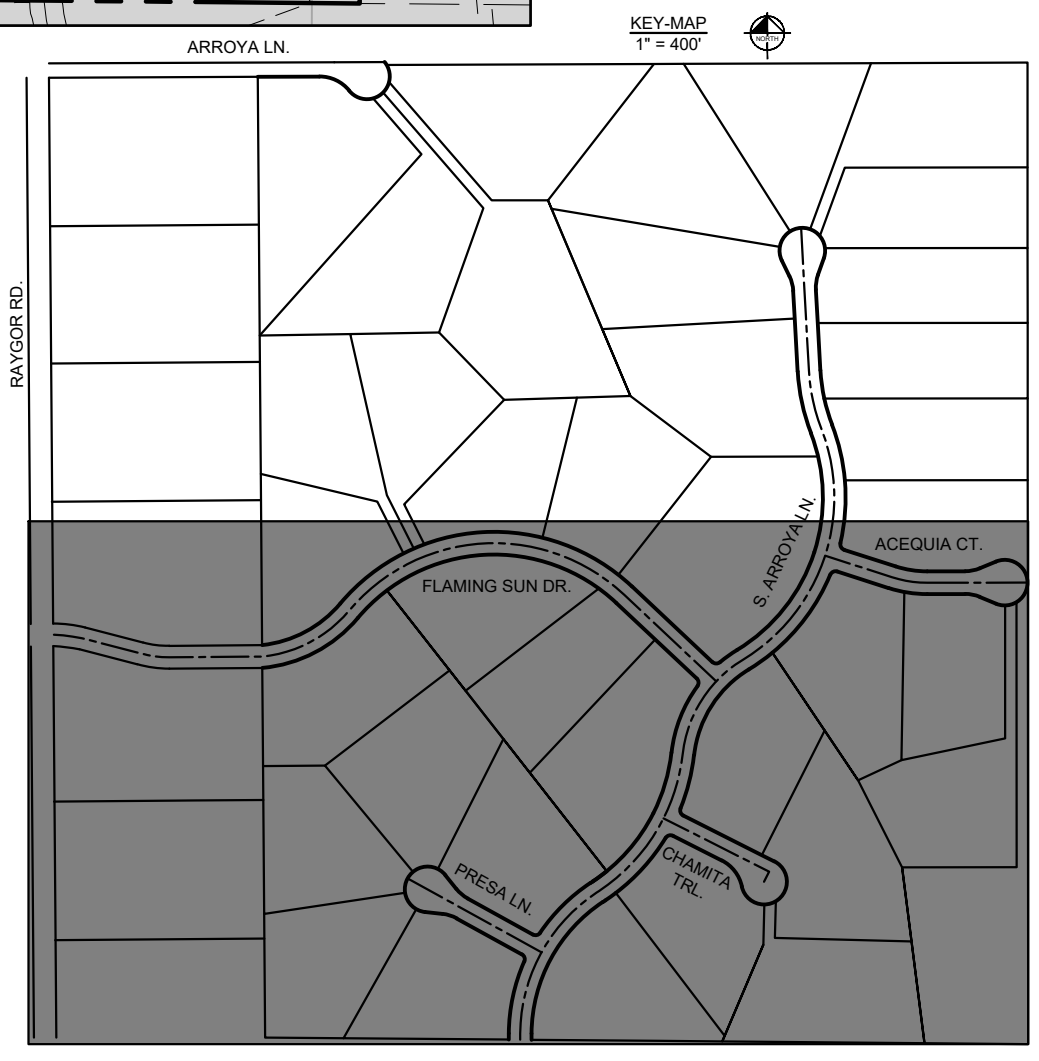


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 DRAWN BY: MJK  
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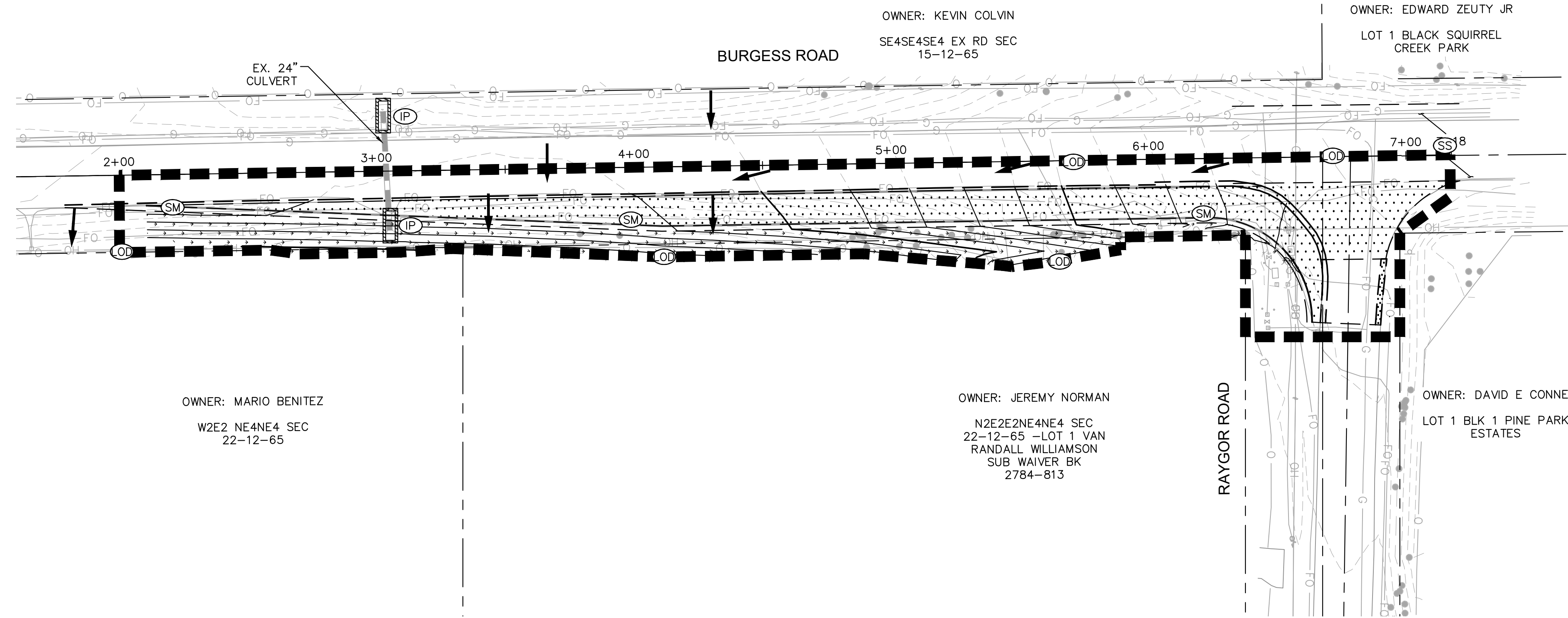
EAGLEVIEW  
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 FINAL GEC PLAN

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**NOTES**

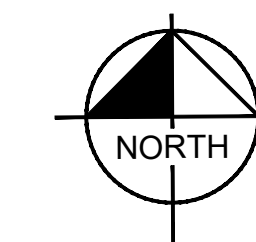
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**LEGEND**

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- (IP) CULVERT INLET/OUTLET PROTECTION
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**LIMITS OF CONSTRUCTION**

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EL PASO COUNTY, COLORADO  
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OFF-SITE FINAL GEC PLAN**

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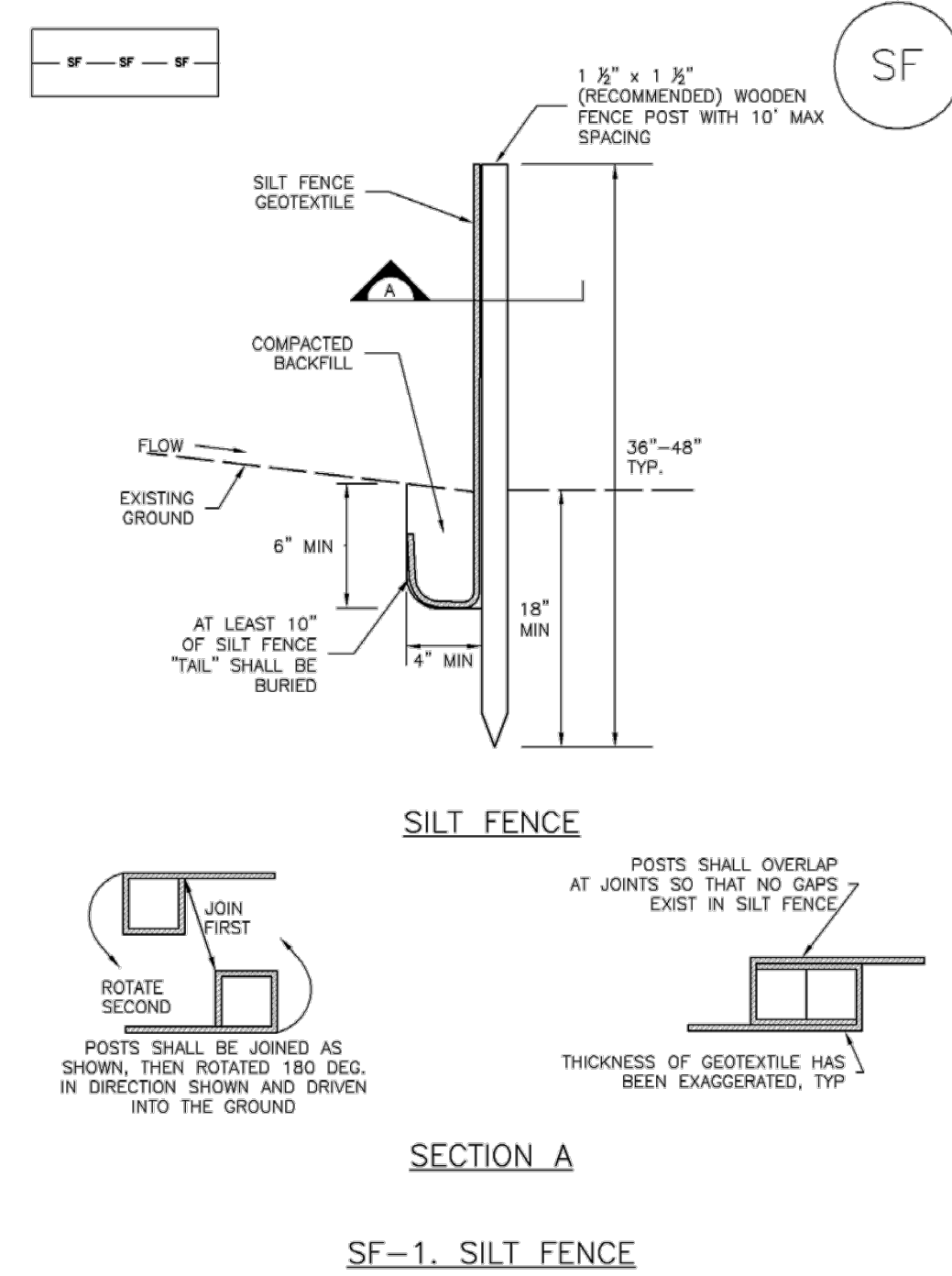
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Silt Fence (SF)

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**

- 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.
- 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.
- COMPACT ANCHOR TRENCH BY HAND WITH A "JUMPING JACK" OR BY WHEEL ROLLING. COMPACTION SHALL BE SUCH THAT SILT FENCE RESISTS BEING PULLED OUT OF ANCHOR TRENCH BY HAND.
- 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.
- 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.
- 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').
- SILT FENCE SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES.

**SILT FENCE 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 SILT FENCE SHALL BE REMOVED AS NEEDED TO MAINTAIN THE FUNCTIONALITY OF THE BMP, TYPICALLY WHEN DEPTH OF ACCUMULATED SEDIMENTS IS APPROXIMATELY 6".
- REPAIR OR REPLACE SILT FENCE WHEN THERE ARE SIGNS OF WEAR, SUCH AS SAGGING, TEARING, OR COLLAPSE.
- 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.
- WHEN SILT FENCE IS REMOVED, ALL DISTURBED AREAS SHALL BE COVERED WITH TOPSOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED AS APPROVED BY LOCAL JURISDICTION.

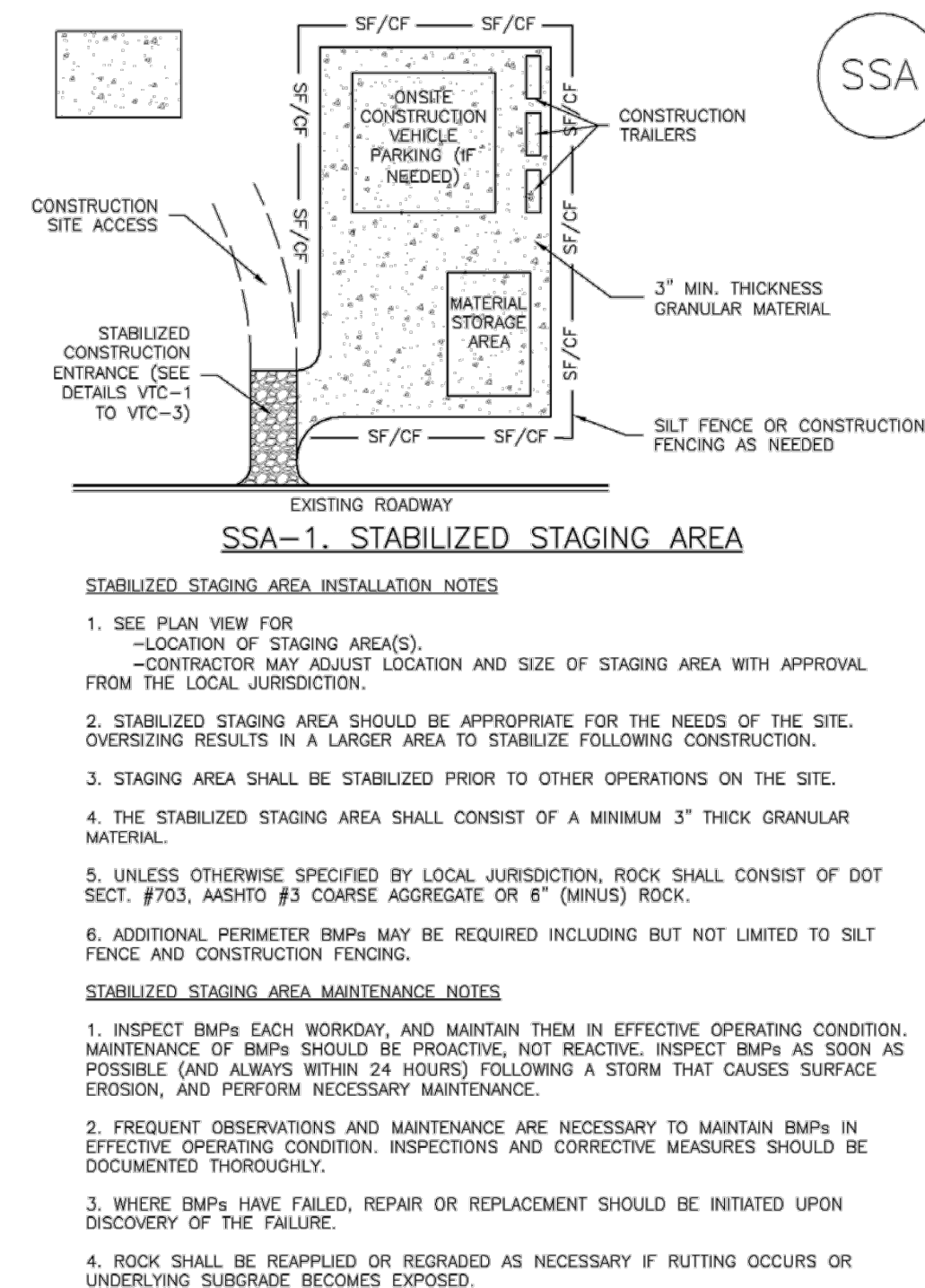
(DETAIL ADAPTED FROM TOWN OF PARKER, COLORADO AND CITY OF AURORA, NOT AVAILABLE IN AUTOCAD)

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.

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

Stabilized Staging Area (SSA)

SM-6



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

SM-6

Stabilized Staging Area (SSA)

**STABILIZED STAGING AREA MAINTENANCE NOTES**

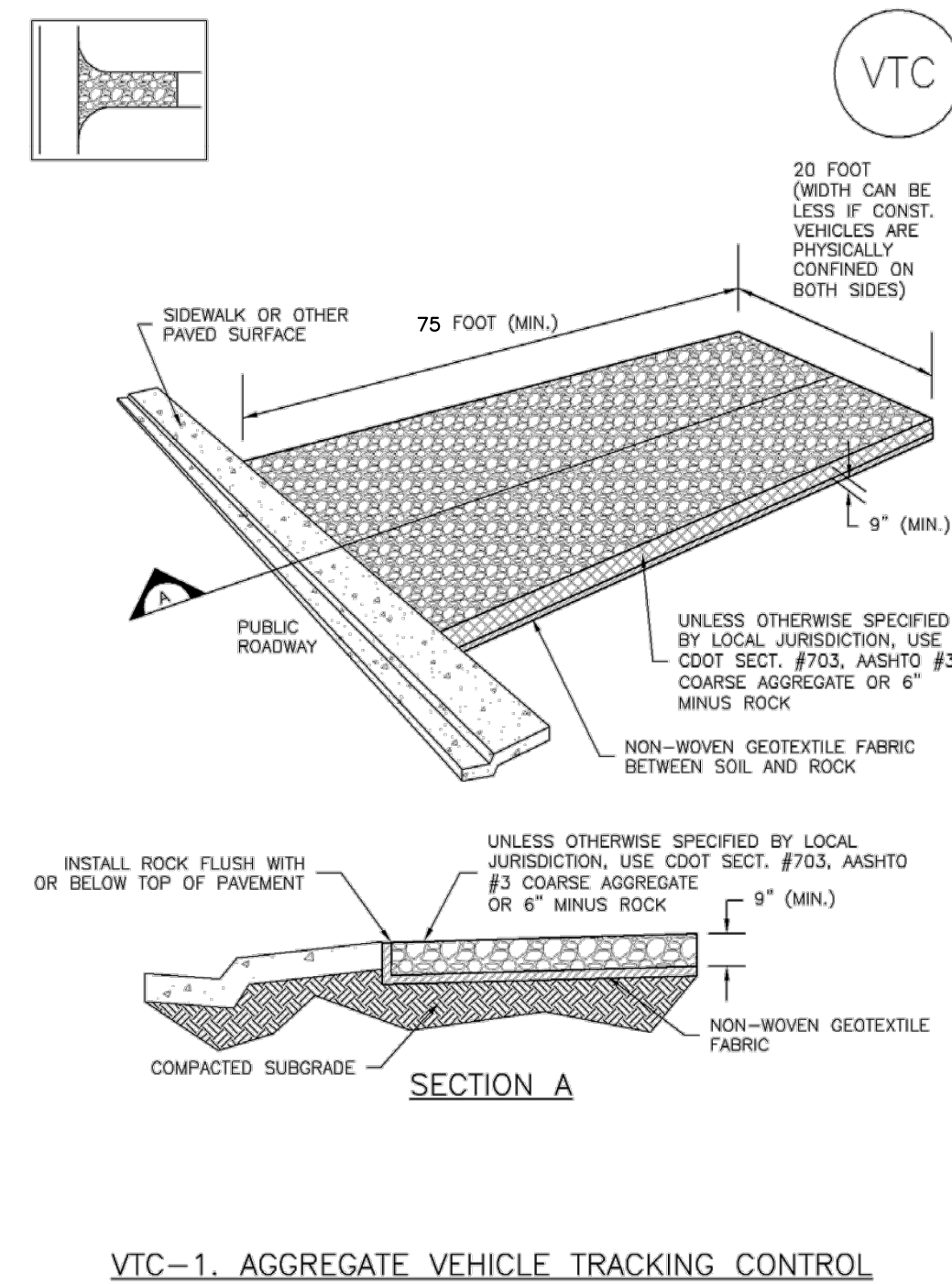
- STABILIZED STAGING AREA SHALL BE ENLARGED IF NECESSARY TO CONTAIN PARKING, STORAGE, AND UNLOADING/LOADING OPERATIONS.
- THE STABILIZED STAGING AREA SHALL BE REMOVED AT THE END OF CONSTRUCTION. THE GRANULAR MATERIAL SHALL BE REMOVED OR, IF APPROVED BY THE LOCAL JURISDICTION, USED ON SITE, AND THE AREA COVERED WITH TOPSOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED IN A MANNER APPROVED BY LOCAL JURISDICTION.
- NOTE: MANY MUNICIPALITIES PROHIBIT THE USE OF RECYCLED CONCRETE AS GRANULAR MATERIAL FOR STABILIZED STAGING AREAS DUE TO DIFFICULTIES WITH RE-ESTABLISHMENT OF VEGETATION IN AREAS WHERE RECYCLED CONCRETE WAS PLACED.
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(DETAILS ADAPTED FROM DOUGLAS COUNTY, COLORADO, NOT AVAILABLE IN AUTOCAD)

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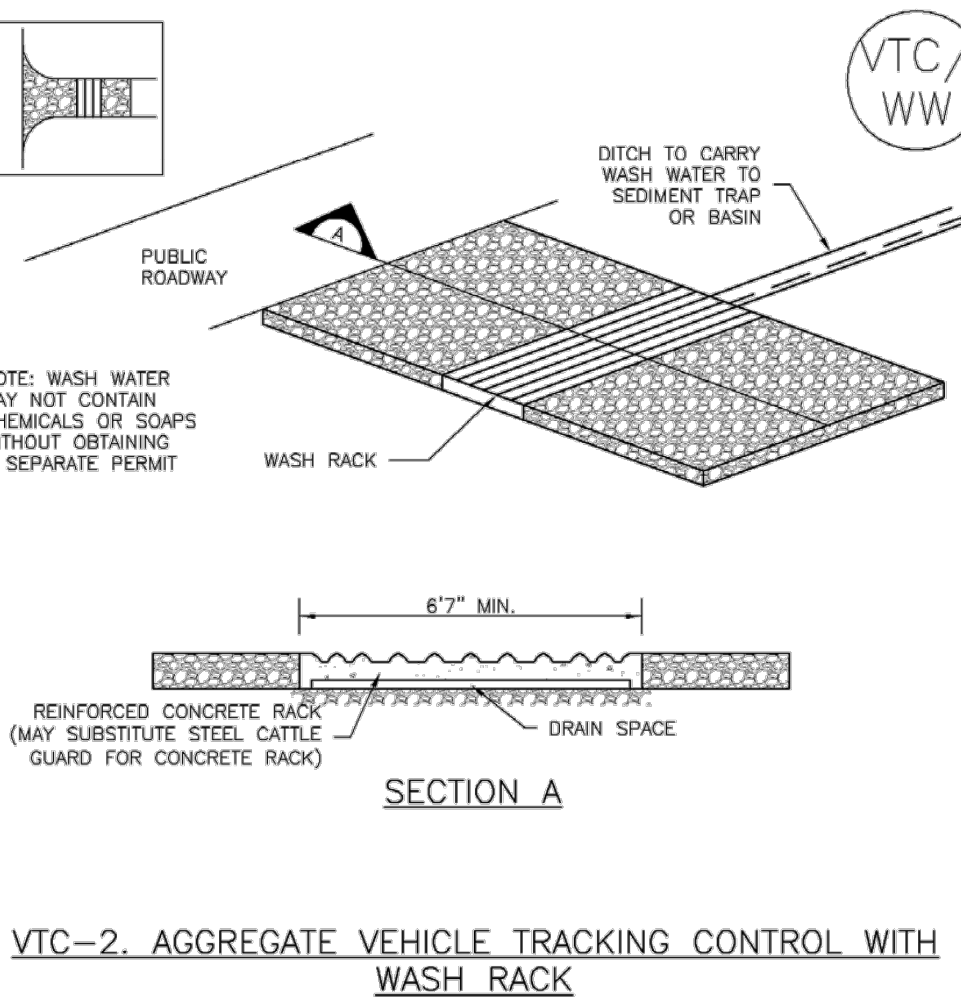
Vehicle Tracking Control (VTC)

SM-4



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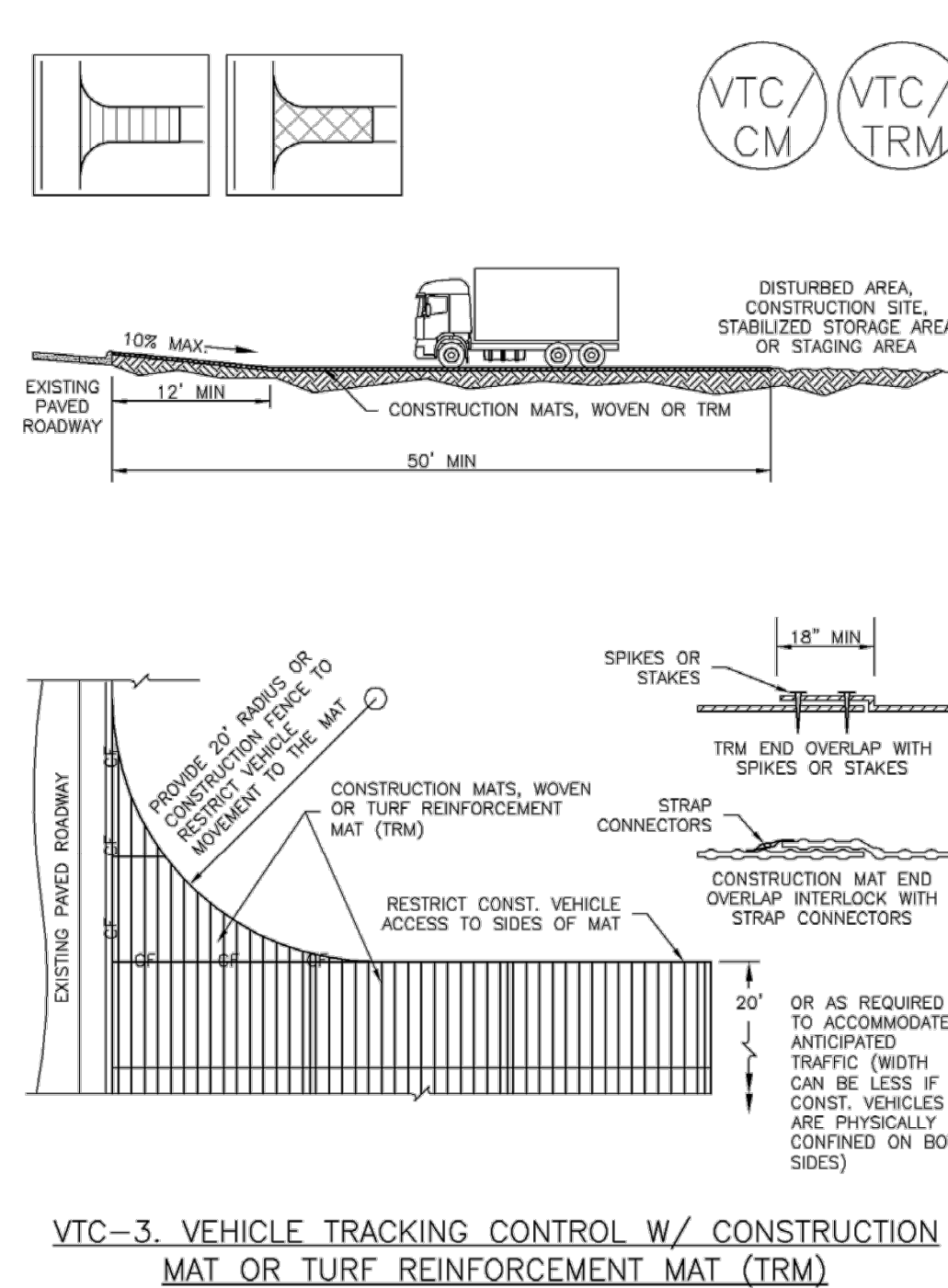
Vehicle Tracking Control (VTC)



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

Vehicle Tracking Control (VTC)

SM-4



November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 VTC-5

SM-4

Vehicle Tracking Control (VTC)

**STABILIZED CONSTRUCTION ENTRANCE/EXIT INSTALLATION NOTES**

- SEE PLAN VIEW FOR -LOCATION OF CONSTRUCTION ENTRANCE(S)/EXIT(S). -TYPE OF CONSTRUCTION ENTRANCE(S)/EXIT(S) (WITH/WITHOUT WHEEL WASH, CONSTRUCTION MAT OR TRM).
- CONSTRUCTION MAT OR TRM STABILIZED CONSTRUCTION ENTRANCES ARE ONLY TO BE USED ON SHORT DURATION PROJECTS (TYPICALLY RANGING FROM A WEEK TO A MONTH) WHERE THERE WILL BE LIMITED VEHICULAR ACCESS.
- A STABILIZED CONSTRUCTION ENTRANCE/EXIT SHALL BE LOCATED AT ALL ACCESS POINTS WHERE VEHICLES ACCESS THE CONSTRUCTION SITE FROM PAVED RIGHT-OF-WAYS.
- STABILIZED CONSTRUCTION ENTRANCE/EXIT SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES.
- A NON-WOVEN GEOTEXTILE FABRIC SHALL BE PLACED UNDER THE STABILIZED CONSTRUCTION ENTRANCE/EXIT PRIOR TO THE PLACEMENT OF ROCK.
- UNLESS OTHERWISE SPECIFIED BY LOCAL JURISDICTION, ROCK SHALL CONSIST OF DOT SECT. #703, AASHTO #3 COARSE AGGREGATE OR 6" (MINUS) ROCK.

**STABILIZED CONSTRUCTION ENTRANCE/EXIT 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.
- ROCK SHALL BE REAPPLIED OR REGRADED AS NECESSARY TO THE STABILIZED ENTRANCE/EXIT TO MAINTAIN A CONSISTENT DEPTH.
- SEDIMENT TRACKED ONTO PAVED ROADS IS TO BE REMOVED THROUGHOUT THE DAY AND AT THE END OF THE DAY BY SHOVELING OR SWEEPING. SEDIMENT MAY NOT BE WASHED DOWN STORM SEWER DRAINS.

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.

(DETAILS ADAPTED FROM CITY OF BROOKFIELD, COLORADO, NOT AVAILABLE IN AUTOCAD)

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

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 DATE: 04/17/2024

EAGLEVIEW  
 EL PASO COUNTY, COLORADO  
 GRADING AND EROSION CONTROL PLAN  
 GEC DETAILS

PRELIMINARY  
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PROJECT NO.  
 196106001  
 SHEET  
 13



**Rolled Erosion Control Products (RECP) EC-6**

**Table RECP-1. ECTC Standard Specification for Temporary Rolled Erosion Control Products**  
(Adapted from Erosion Control Technology Council 2005)

| Product Description   | Slope Applications* |                         | Channel Applications*             | Minimum Tensile Strength <sup>1</sup> | Expected Longevity |
|---|---------------------|-------------------------|-----------------------------------|---------------------------------------|--------------------|
|   | Maximum Gradient    | C Factor <sup>2,5</sup> |                                   |                                       |                    |
| Mulch Control Nets  | 5:1 (H:V)           | ≤0.10 @ 5:1             | 0.25 lbs/ft <sup>2</sup> (12 Pa)  | 5 lbs/ft (0.073 kN/m)                 | Up to 12 months    |
| Netless Rolled Erosion Control Blankets                           | 4:1 (H:V)           | ≤0.10 @ 4:1             | 0.5 lbs/ft <sup>2</sup> (24 Pa)   | 5 lbs/ft (0.073 kN/m)                 |                    |
| Single-net Erosion Control Blankets & Open Weave Textiles         | 3:1 (H:V)           | ≤0.15 @ 3:1             | 1.5 lbs/ft <sup>2</sup> (72 Pa)   | 50 lbs/ft (0.73 kN/m)                 |                    |
| Double-net Erosion Control Blankets                               | 2:1 (H:V)           | ≤0.20 @ 2:1             | 1.75 lbs/ft <sup>2</sup> (84 Pa)  | 75 lbs/ft (1.09 kN/m)                 |                    |
| Mulch Control Nets  | 5:1 (H:V)           | ≤0.10 @ 5:1             | 0.25 lbs/ft <sup>2</sup> (12 Pa)  | 25 lbs/ft (0.36 kN/m)                 |                    |
| Erosion Control Blankets & Open Weave Textiles (slowly degrading) | 1.5:1 (H:V)         | ≤0.25 @ 1.5:1           | 2.00 lbs/ft <sup>2</sup> (96 Pa)  | 100 lbs/ft (1.45 kN/m)                | 24 months          |
| Erosion Control Blankets & Open Weave Textiles                    | 1:1 (H:V)           | ≤0.25 @ 1:1             | 2.25 lbs/ft <sup>2</sup> (108 Pa) | 125 lbs/ft (1.82 kN/m)                | 36 months          |

\* C Factor and shear stress for mulch control nettings must be obtained with netting used in conjunction with pre-applied mulch material. (See Section 5.3 of Chapter 7 Construction BMPs for more information on the C Factor.)  
<sup>1</sup> Minimum Average Roll Values, Machine direction using ECTC Mod. ASTM D 5035.  
<sup>2</sup> C Factor calculated as ratio of soil loss from RECP protected slope (tested at specified or greater gradient, H:V) to ratio of soil loss from unprotected (control) plot in large-scale testing.  
<sup>3</sup> Required minimum shear stress RECP (unvegetated) can sustain without physical damage or excess erosion (> 12.7 mm (0.5 in) soil loss) during a 30-minute flow event in large-scale testing.  
<sup>4</sup> The permissible shear stress levels established for each performance category are based on historical experience with products characterized by Manning's roughness coefficients in the range of 0.01 - 0.05.  
<sup>5</sup> Acceptable large-scale test methods may include ASTM D 6459, or other independent testing deemed acceptable by the engineer.  
<sup>6</sup> Per the engineer's discretion. Recommended acceptable large-scale testing protocol may include ASTM D 6460, or other independent testing deemed acceptable by the engineer.

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**EC-6 Rolled Erosion Control Products (RECP)**

**Table RECP-2. ECTC Standard Specification for Permanent<sup>1</sup> Rolled Erosion Control Products**  
(Adapted from: Erosion Control Technology Council 2005)

| Product Type   | Slope Applications |                                     | Channel Applications   | Minimum Tensile Strength <sup>2,3</sup> |
|--|--------------------|-------------------------------------|------------------------|---|
|  | Maximum Gradient   | Maximum Shear Stress <sup>4,5</sup> |                        |   |
| TRMs with a minimum thickness of 0.25 inches (6.35 mm) per ASTM D 6525 and UV stability of 80% per ASTM D 4355 (500 hours exposure). | 0.5:1 (H:V)        | 6.0 lbs/ft <sup>2</sup> (288 Pa)    | 125 lbs/ft (1.82 kN/m) |   |
|  | 0.5:1 (H:V)        | 8.0 lbs/ft <sup>2</sup> (384 Pa)    | 150 lbs/ft (2.19 kN/m) |   |
|  | 0.5:1 (H:V)        | 10.0 lbs/ft <sup>2</sup> (480 Pa)   | 175 lbs/ft (2.55 kN/m) |   |
|  | 0.5:1 (H:V)        | 10.0 lbs/ft <sup>2</sup> (480 Pa)   | 175 lbs/ft (2.55 kN/m) |   |

<sup>1</sup> For TRMs containing degradable components, all property values must be obtained on the non-degradable portion of the matting alone.  
<sup>2</sup> Minimum Average Roll Values, machine direction only for tensile strength determination using ASTM D 6818 (Supersedes Mod. ASTM D 5035 for RECPs)  
<sup>3</sup> Field conditions with high loading and/or high survivability requirements may warrant the use of a TRM with a tensile strength of 44 kN/m (3,000 lb/ft) or greater.  
<sup>4</sup> Required minimum shear stress TRM (fully vegetated) can sustain without physical damage or excess erosion (> 12.7 mm (0.5 in.) soil loss) during a 30-minute flow event in large scale testing.  
<sup>5</sup> Acceptable large-scale testing protocols may include ASTM D 6460, or other independent testing deemed acceptable by the engineer.

**Design and Installation**

RECPs should be installed according to manufacturer's specifications and guidelines. Regardless of the type of product used, it is important to ensure no gaps or voids exist under the material and that all corners of the material are secured using stakes and trenching. Continuous contact between the product and the soil is necessary to avoid failure. Never use metal stakes to secure temporary erosion control products. Often wooden stakes are used to anchor RECPs; however, wood stakes may present installation and maintenance challenges and generally take a long time to biodegrade. Some local jurisdictions have had favorable experiences using biodegradable stakes.

This BMP Fact Sheet provides design details for several commonly used ECB applications, including:

ECB-1 Pipe Outlet to Drainageway

ECB-2 Small Ditch or Drainageway

ECB-3 Outside of Drainageway

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**Rolled Erosion Control Products (RECP) EC-6**

Staking patterns are also provided in the design details according to these factors:

- ECB type
- Slope or channel type

For other types of RECPs including TRMs, these design details are intended to serve as general guidelines for design and installation; however, engineers should adhere to manufacturer's installation recommendations.

**Maintenance and Removal**

Inspection of erosion control blankets and other RECPs includes:

- Check for general signs of erosion, including voids beneath the mat. If voids are apparent, fill the void with suitable soil and replace the erosion control blanket, following the appropriate staking pattern.
- Check for damaged or loose stakes and secure loose portions of the blanket.

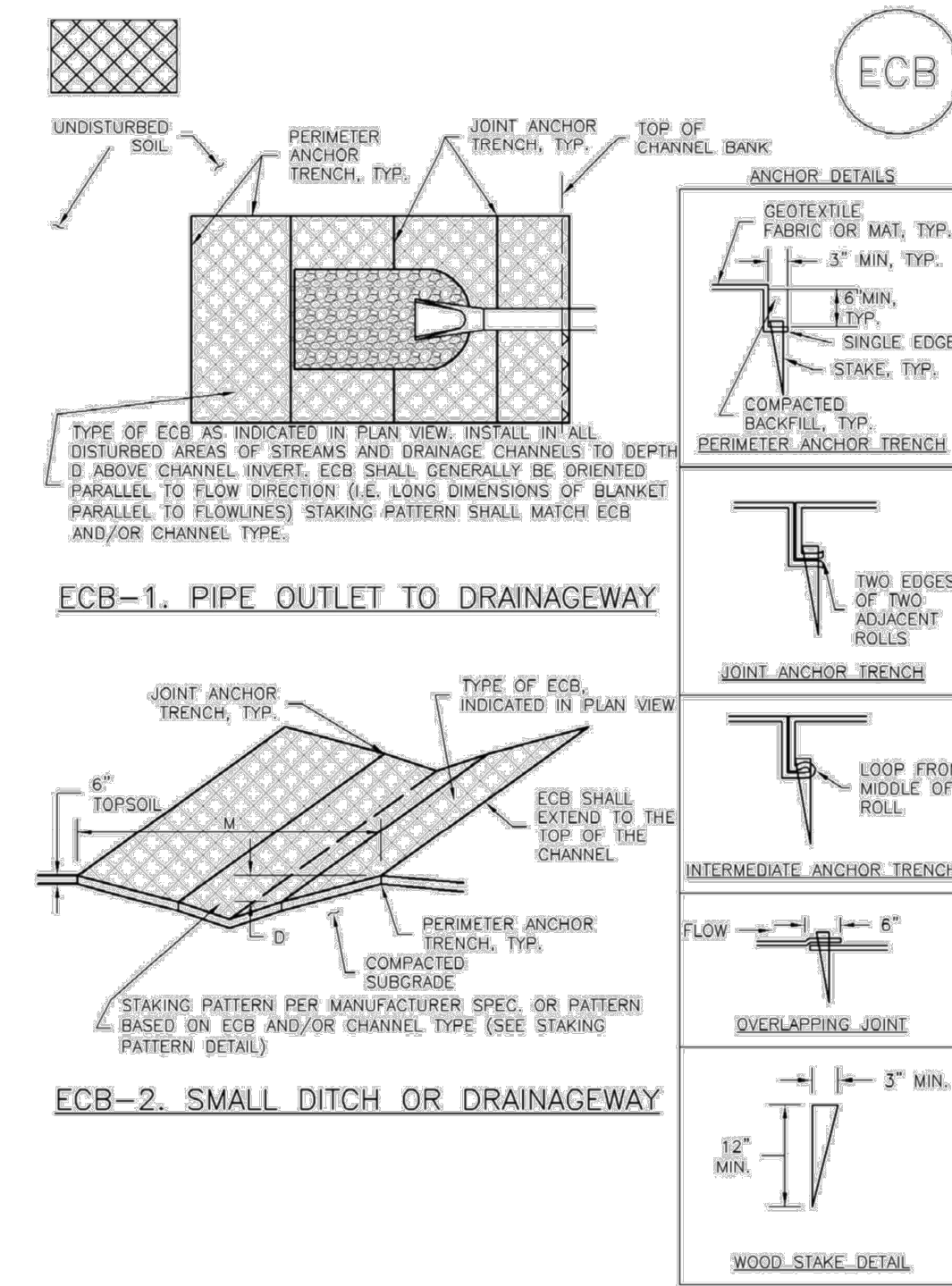
Erosion control blankets and other RECPs that are biodegradable typically do not need to be removed after construction. If they must be removed, then an alternate soil stabilization method should be installed promptly following removal.

Turf reinforcement mats, although generally resistant to biodegradation, are typically left in place as a dense vegetated cover grows in through the mat matrix. The turf reinforcement mat provides long-term stability and helps the established vegetation resist erosive forces.

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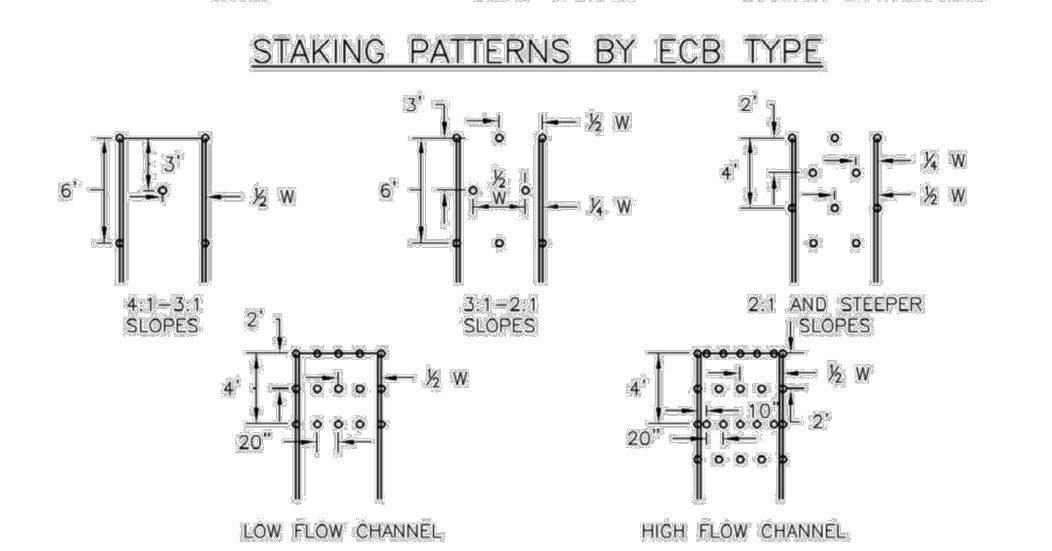
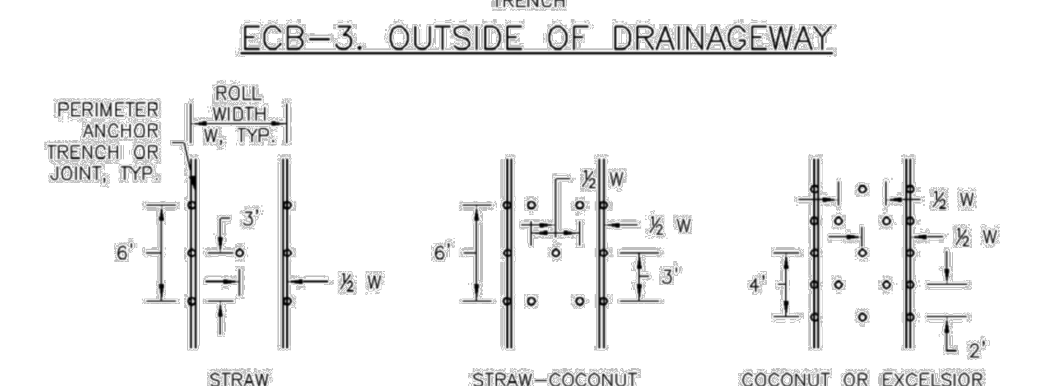
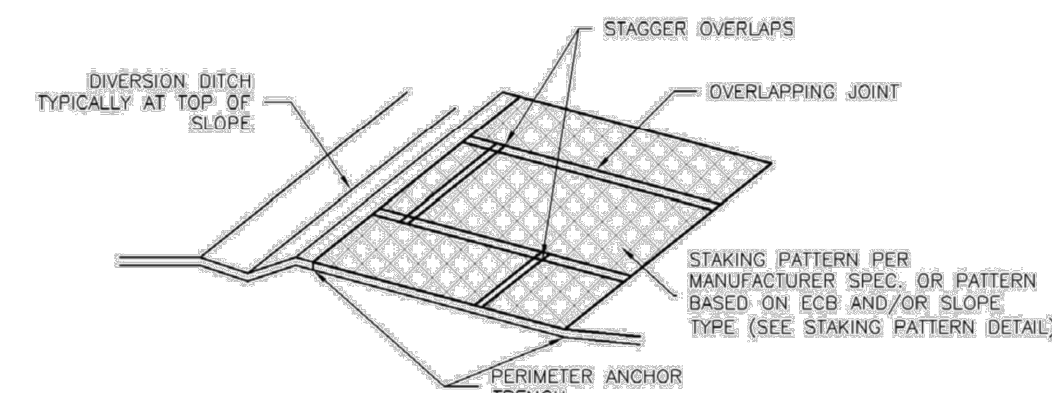
**EC-6 Rolled Erosion Control Products (RECP)**



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**Rolled Erosion Control Products (RECP) EC-6**



**STAKING PATTERNS BY SLOPE OR CHANNEL TYPE**

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**EC-6 Rolled Erosion Control Products (RECP)**

**EROSION CONTROL BLANKET INSTALLATION NOTES**

- SEE PLAN VIEW FOR:  
- LOCATION OF ECB.  
- TYPE OF ECB (STRAW, STRAW-COCOONUT, COCONUT, OR EXCELSIOR).  
- AREA, A, IN SQUARE YARDS OF EACH TYPE OF ECB.
- 100% NATURAL AND BIODEGRADABLE MATERIALS ARE PREFERRED FOR RECPs, ALTHOUGH SOME JURISDICTIONS MAY ALLOW OTHER MATERIALS IN SOME APPLICATIONS.
- IN AREAS WHERE ECBs ARE SHOWN ON THE PLANS, THE PERMITTEE SHALL PLACE TOPSOIL AND PERFORM FINAL GRADING, SURFACE PREPARATION, AND SEEDING AND MULCHING. SUBGRADE SHALL BE SMOOTH AND MOST PRIOR TO ECB INSTALLATION AND THE ECB SHALL BE IN FULL CONTACT WITH SUBGRADE. NO GAPS OR VOIDS SHALL EXIST UNDER THE BLANKET.
- PERIMETER ANCHOR TRENCH SHALL BE USED ALONG THE OUTSIDE PERIMETER OF ALL BLANKET AREAS.
- JOINT ANCHOR TRENCH SHALL BE USED TO JOIN ROLLS OF ECBs TOGETHER (LONGITUDINALLY AND TRANSVERSELY) FOR ALL ECBs EXCEPT STRAW WHICH MAY USE AN OVERLAPPING JOINT.
- INTERMEDIATE ANCHOR TRENCH SHALL BE USED AT SPACING OF ONE-HALF ROLL LENGTH FOR COCONUT AND EXCELSIOR ECBs.
- OVERLAPPING JOINT DETAIL SHALL BE USED TO JOIN ROLLS OF ECBs TOGETHER FOR ECBs ON SLOPES.
- MATERIAL SPECIFICATIONS OF ECBs SHALL CONFORM TO TABLE ECB-1.
- ANY AREAS OF SEEDING AND MULCHING DISTURBED IN THE PROCESS OF INSTALLING ECBs SHALL BE RESEEDED AND MULCHED.
- DETAILS ON DESIGN PLANS FOR MAJOR DRAINAGEWAY STABILIZATION WILL GOVERN IF DIFFERENT FROM THOSE SHOWN HERE.

| TYPE           | COCONUT CONTENT | STRAW CONTENT | EXCELSIOR CONTENT | RECOMMENDED NETTING* |
|----------------|-----------------|---------------|-------------------|----------------------|
| STRAW*         | -               | 100%          | -                 | DOUBLE/NATURAL       |
| STRAW-COCOONUT | 30% MIN         | 70% MAX       | -                 | DOUBLE/NATURAL       |
| COCONUT        | 100%            | -             | -                 | DOUBLE/NATURAL       |
| EXCELSIOR      | -               | -             | 100%              | DOUBLE/NATURAL       |

\*MINOR ECBs MAY ONLY BE USED OUTSIDE OF DRAINAGE AND MAJOR DRAINAGE CHANNELS.  
 \*ALTERNATE NETTING MAY BE ACCEPTABLE IN SOME JURISDICTIONS.

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**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 COVOID OF GRASS SHALL BE REPAIRED, RESEEDED AND MULCHED AND THE ECB REINSTALLED.
- NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM USFCO STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.
- (DETAILS ADAPTED FROM DOUGLAS COUNTY, COLORADO AND TOWN OF PARKER, COLORADO, NOT AVAILABLE IN AUTOCAD)

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 DRAWN BY: MJK  
 CHECKED BY: KRK  
 DATE: 04/17/2024

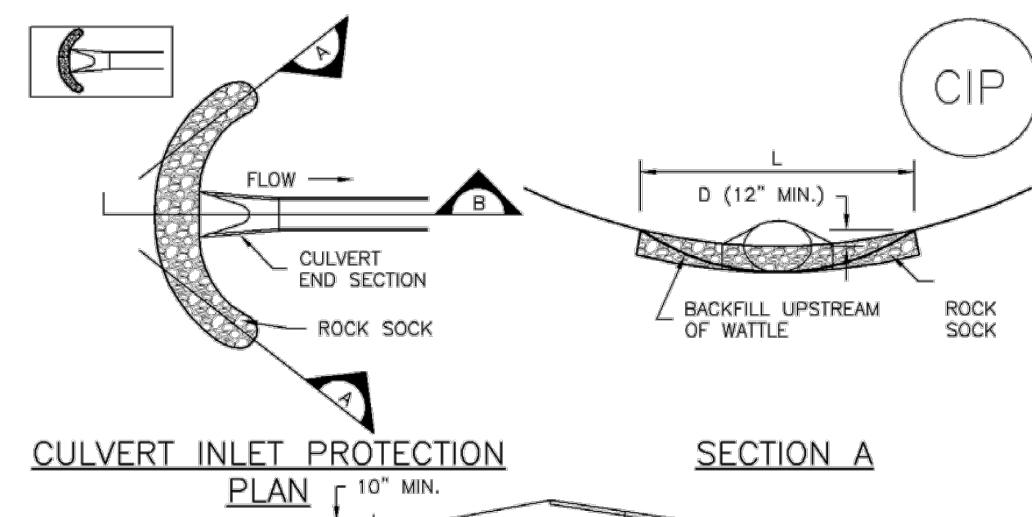
EAGLEVIEW  
 EL PASO COUNTY, COLORADO  
 GRADING AND EROSION CONTROL PLAN  
 GEC DETAILS

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**15**

Inlet Protection (IP)

SC-6



CULVERT INLET PROTECTION PLAN SECTION A SECTION B CIP-1. CULVERT INLET PROTECTION

CULVERT INLET PROTECTION INSTALLATION NOTES
1. SEE PLAN VIEW FOR LOCATION OF CULVERT INLET PROTECTION.
2. SEE ROCK SOCK DESIGN DETAIL FOR ROCK GRADATION REQUIREMENTS AND JOINTING DETAIL.
CULVERT INLET PROTECTION 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 CULVERT SHALL BE REMOVED WHEN THE SEDIMENT DEPTH IS 1/2 THE HEIGHT OF THE ROCK SOCK.
5. CULVERT INLET PROTECTION SHALL REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS PERMANENTLY STABILIZED AND APPROVED BY THE LOCAL JURISDICTION.
(Details adapted from Aurora, 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.

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SC-6

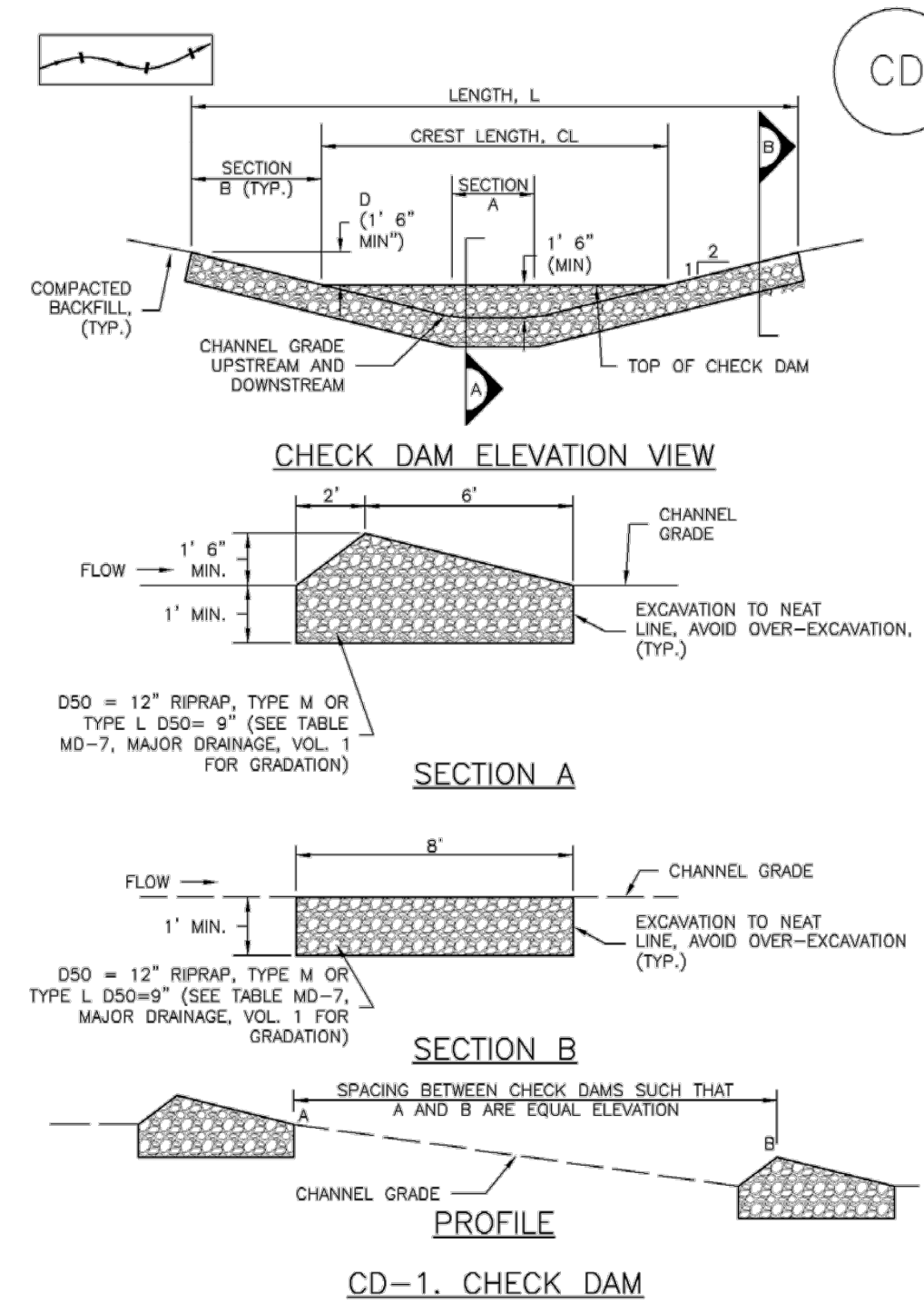
Inlet Protection (IP)

GENERAL INLET PROTECTION INSTALLATION NOTES
1. SEE PLAN VIEW FOR LOCATION OF INLET PROTECTION.
2. INLET PROTECTION SHALL BE INSTALLED PROMPTLY AFTER INLET CONSTRUCTION OR PAVING IS COMPLETE (TYPICALLY WITHIN 48 HOURS). IF A RAINFALL/RUNOFF EVENT IS FORECAST, INSTALL INLET PROTECTION PRIOR TO ONSET OF EVENT.
3. 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.
INLET PROTECTION 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 INLET PROTECTION SHALL BE REMOVED AS NECESSARY TO MAINTAIN BMP EFFECTIVENESS. TYPICALLY WHEN STORAGE VOLUME REACHES 50% OF CAPACITY, A DEPTH OF 6" WHEN SILT FENCE IS USED, OR 1/4 OF THE HEIGHT FOR STRAW BALES.
5. INLET PROTECTION IS TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS PERMANENTLY STABILIZED. UNLESS THE LOCAL JURISDICTION APPROVES EARLIER REMOVAL OF INLET PROTECTION IN STREETS.
6. WHEN INLET PROTECTION AT AREA INLETS IS REMOVED, THE DISTURBED AREA SHALL BE COVERED WITH TOP SOIL, SEEDED AND MULCHED, OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE LOCAL JURISDICTION.
(Details adapted from Town of Parker, Colorado and City of Aurora, 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.

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Check Dams (CD)

EC-12



CD-1. CHECK DAM November 2010 Urban Drainage and Flood Control District CD-3 Urban Storm Drainage Criteria Manual Volume 3

EC-12

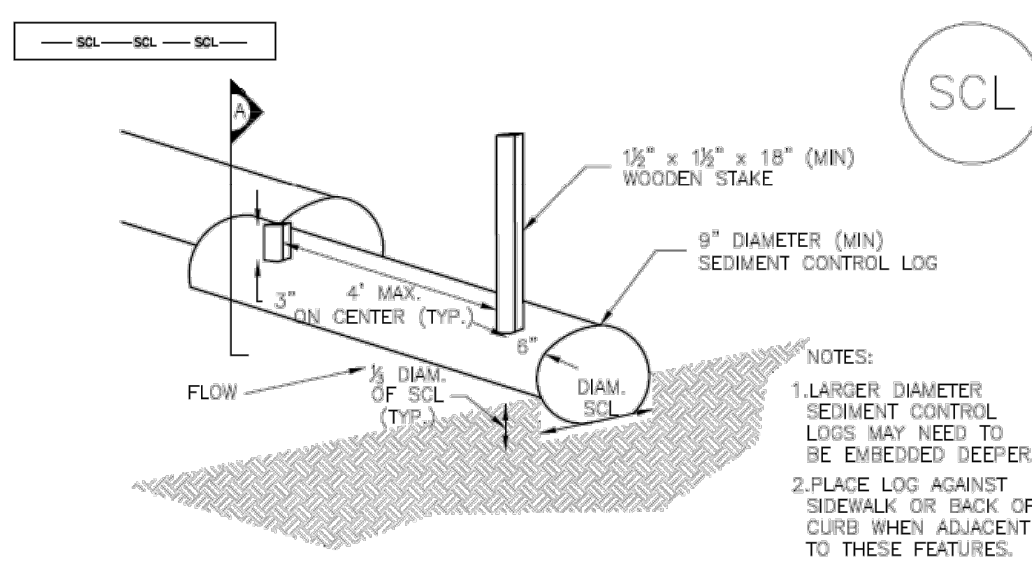
Check Dams (CD)

CHECK DAM INSTALLATION NOTES
1. SEE PLAN VIEW FOR LOCATION OF CHECK DAMS.
2. CHECK DAMS INDICATED ON INITIAL SWMP SHALL BE INSTALLED AFTER CONSTRUCTION FENCE, BUT PRIOR TO ANY UPSTREAM LAND DISTURBING ACTIVITIES.
3. 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").
4. RIPRAP PAD SHALL BE TRENCHED INTO THE GROUND A MINIMUM OF 1'.
5. 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
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 CHECK DAM SHALL BE REMOVED WHEN THE SEDIMENT DEPTH IS WITHIN 1/2 OF THE HEIGHT OF THE CREST.
5. CHECK DAMS ARE TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND APPROVED BY THE LOCAL JURISDICTION.
6. 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.

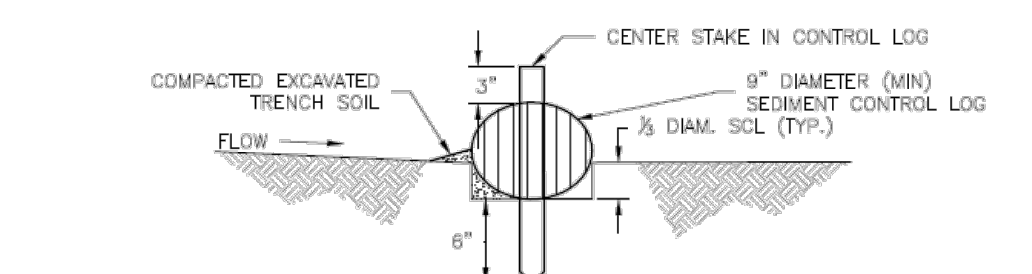
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Sediment Control Log (SCL)

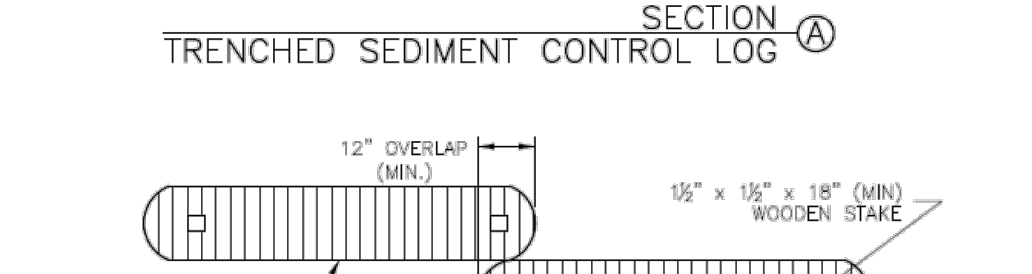
SC-2



TRENCHED SEDIMENT CONTROL LOG



TRENCHED SEDIMENT CONTROL LOG SECTION A



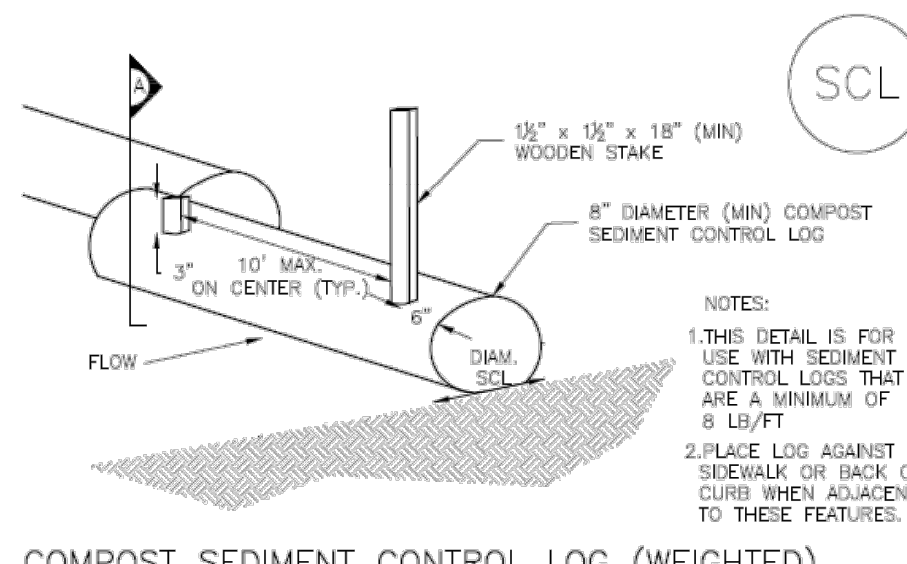
LOG JOINTS

SCL-1. TRENCHED SEDIMENT CONTROL LOG

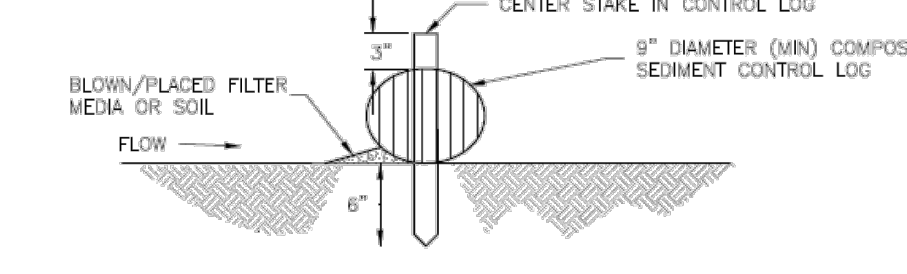
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SC-2

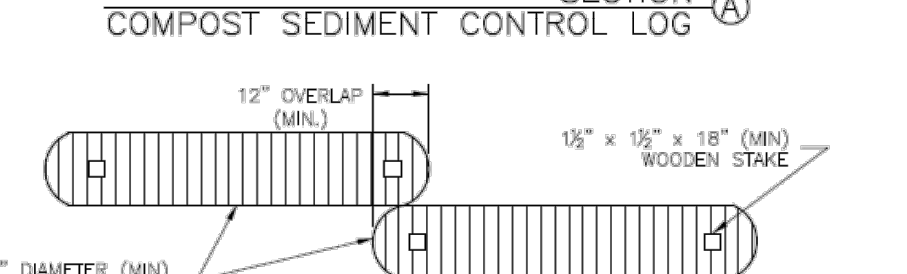
Sediment Control Log (SCL)



COMPOST SEDIMENT CONTROL LOG (WEIGHTED)



COMPOST SEDIMENT CONTROL LOG SECTION A



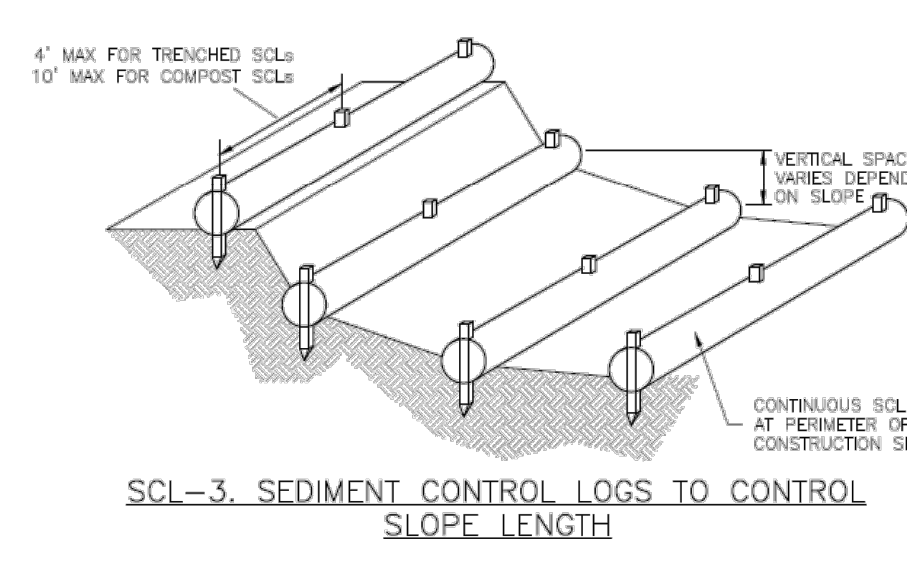
LOG JOINTS

SCL-2. COMPOST SEDIMENT CONTROL LOG (WEIGHTED)

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Sediment Control Log (SCL)

SC-2



SCL-3. SEDIMENT CONTROL LOGS TO CONTROL SLOPE LENGTH

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SC-2

Sediment Control Log (SCL)

SEDIMENT CONTROL LOG INSTALLATION NOTES
1. SEE PLAN VIEW FOR LOCATION AND LENGTH OF SEDIMENT CONTROL LOGS.
2. SEDIMENT CONTROL LOGS THAT ACT AS A PERIMETER CONTROL SHALL BE INSTALLED PRIOR TO ANY UPGRADATION LAND-DISTURBING ACTIVITIES.
3. SEDIMENT CONTROL LOGS SHALL CONSIST OF STRAW, COMPOST, EXCELSIOR OR COCONUT FIBER, AND SHALL BE FREE OF ANY NOXIOUS WEED SEEDS OR DEFECTS INCLUDING RIPS, HOLES AND OBVIOUS WEAR.
4. SEDIMENT CONTROL LOGS MAY BE USED AS SMALL CHECK DAMS IN DITCHES AND SWALES. HOWEVER, THEY SHOULD NOT BE USED IN PERENNIAL STREAMS.
5. IT IS RECOMMENDED THAT SEDIMENT CONTROL LOGS BE TRENCHED INTO THE GROUND TO A DEPTH OF APPROXIMATELY 1/2 OF THE DIAMETER OF THE LOG. IF TRENCHING TO THIS DEPTH IS NOT FEASIBLE AND/OR DESIRABLE (SHORT TERM INSTALLATION WITH DESIRE NOT TO DAMAGE LANDSCAPE) A LESSER TRENCHING DEPTH MAY BE ACCEPTABLE WITH MORE ROBUST STAKING. COMPOST LOGS THAT ARE 6 LB/FT DO NOT NEED TO BE TRENCHED.
6. THE UPHILL SIDE OF THE SEDIMENT CONTROL LOG SHALL BE BACKFILLED WITH SOIL OR FILTER MATERIAL THAT IS FREE OF ROCKS AND DEBRIS. THE SOIL SHALL BE TIGHTLY COMPACTED INTO THE SHAPE OF A RIGHT TRIANGLE USING A SHOVEL OR WEIGHTED LAWN ROLLER OR BLOWN IN PLACE.
7. FOLLOW MANUFACTURERS' GUIDANCE FOR STAKING. IF MANUFACTURERS' INSTRUCTIONS DO NOT SPECIFY SPACING, STAKES SHALL BE PLACED ON 4' CENTERS AND EMBEDDED A MINIMUM OF 6" INTO THE GROUND. 3" OF THE STAKE SHALL PROTRUDE FROM THE TOP OF THE LOG. STAKES THAT ARE BROKEN PRIOR TO INSTALLATION SHALL BE REPLACED. COMPOST LOGS SHOULD BE STAKED 10' ON CENTER.
SEDIMENT CONTROL LOG 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 SEDIMENT CONTROL LOG SHALL BE REMOVED AS NEEDED TO MAINTAIN FUNCTIONALITY OF THE BMP. TYPICALLY WHEN DEPTH OF ACCUMULATED SEDIMENTS IS APPROXIMATELY 1/2 OF THE HEIGHT OF THE SEDIMENT CONTROL LOG.
5. SEDIMENT CONTROL LOG SHALL BE REMOVED AT THE END OF CONSTRUCTION. COMPOST FROM COMPOST LOGS MAY BE LEFT IN PLACE AS LONG AS BAGS ARE REMOVED AND THE AREA SEEDED. IF DISTURBED AREAS EXIST AFTER REMOVAL, THEY SHALL BE COVERED WITH TOP SOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE LOCAL JURISDICTION.
(Details adapted from Town of Parker, Colorado, Jefferson County, Colorado, Douglas County, Colorado, and City of Aurora, 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.

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EAGLEVIEW EL PASO COUNTY, COLORADO GRADING AND EROSION CONTROL PLAN GEC DETAILS

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