

GEC LEGEND:

| | | | |
|----------|---|--------|-----------------------|
| [Symbol] | SILT FENCE | PHASE: | INITIAL/INTERIM |
| [Symbol] | STABILIZED STAGING AREA | | INITIAL/INTERIM |
| [Symbol] | STOCKPILE MANAGEMENT | | INITIAL/INTERIM |
| [Symbol] | INLET PROTECTION: IP-1 TO BE USED ON ALL INLETS | | INTERIM |
| [Symbol] | CULVERT INLET PROTECTION | | INTERIM |
| [Symbol] | VEHICLE TRACKING CONTROL | | INITIAL |
| [Symbol] | DRAINAGE SWALE | | INTERIM |
| [Symbol] | LIMITS OF CONSTRUCTION | | INITIAL/INTERIM/FINAL |
| [Symbol] | LIMITS OF DISTURBANCE | | INITIAL/INTERIM/FINAL |
| [Symbol] | CUT CONDITION | | |
| [Symbol] | FILL CONDITION | | |
| [Symbol] | FLOW DIRECTION | | |
| [Symbol] | EROSION CONTROL BLANKET | | INTERIM/FINAL |
| [Symbol] | CHECK DAM (STRAW BALE) | | INTERIM |
| [Symbol] | CONCRETE WASH OUT | | INITIAL |
| [Symbol] | TEMPORARY SEDIMENT BASIN | | INITIAL |
| [Symbol] | TSB TRIBUTARY AREA DELINEATION | | INITIAL |

- GRADING & EROSION CONTROL PLAN NOTES:**
- SEE SHEET XX FOR EL PASO COUNTY GRADING AND EROSION CONTROL DETAILS.
 - ALL STORMWATER MANAGEMENT MEASURES SHOWN ON THIS PLAN MUST BE INSTALLED AND MAINTAINED PER THE EL PASO COUNTY STORMWATER CONSTRUCTION MANUAL; LATEST REVISIONS.
 - AREA WITHIN LIMITS OF DISTURBANCE TO BE CLEARED, GRUBBED AND STOCKPILED PRIOR TO IMPORT OF ANY FILL.
 - ALL GREATER THAN 4:1 SLOPES MUST BE RECEIVE SLOPE TRACKING TREATMENT AND EROSION CONTROL BLANKET.
 - STOCKPILES REQUIRED DURING ONSITE CONSTRUCTION ACTIVITIES WILL BE PLACED AT THE DISCRETION OF THE CONTRACTOR. STOCKPILING OF MATERIAL MUST NOT OCCUR OUTSIDE THE LIMITS OF DISTURBANCE SHOWN ON THIS PLAN.
 - NON-STRUCTURAL CONTROLS (I.E. STREET SWEEPING) WILL BE AT THE DISCRETION OF THE PROJECT'S CERTIFIED GEC ADMINISTRATOR THROUGHOUT THE DURATION OF LAND DISTURBING ACTIVITIES.
 - THERE ARE NO ANTICIPATED ASPHALT AND/OR CONCRETE BATCH PLANTS, OR MASONRY MIX STATIONS ASSOCIATED WITH THIS PROJECT. IF THE CONTRACTOR REQUIRES A ASPHALT/CONCRETE BATCH PLANTS OR MASONRY MIX STATIONS, THESE PLANS WILL BE AMENDED AS REQUIRED.
 - THERE ARE NO EXISTING PRESERVATION EASEMENTS LOCATED ON SITE.
 - ONSITE EXISTING VEGETATION IS NATIVE GRASSES AND WEEDS. THERE IS NO NOTABLE VEGETATION OTHERWISE.
 - THE NATURAL TERTIARY SWALE THROUGH LOTS 16 AND 17 IS PLATTED AS A PUBLIC DRAINAGE EASEMENT WITH A VARIED WIDTH. THE EASEMENT IS TO HAVE TMAX TRM INSTALLED WITH PERMANENT SEEDING. ALL OTHER NATURAL TERTIARY SWALES DO NOT REQUIRE TRM AND ARE NOT TO BE DISTURBED. AREAS REQUIRING ROLLMAX TRM (TMAX OR P300) ARE CALLED OUT ON THE PLANS AND ARE AREAS NEAR POND CONCRETE RUNDOWNS OR ROADSIDE SWALES. SEE THE PERMANENT CHANNEL LINING PROVIDED ON SHEET 2.
 - ALL ROADSIDE DITCHES ARE TO HAVE PERMANENT TRM (ROLLMAX P300 OR EQUIV.) INSTALLED.
 - ALL CULVERTS ARE TO HAVE RIP-RAP INSTALLED AT OUTLET POINTS AS SEEN IN STORM CONSTRUCTION DRAWINGS.

PROJECT INFO:

| | | |
|--------------------------|-----------------------------|---------------------------------|
| VOLUME: | BASE SURFACE: EXISTING-FULL | COMPARISON SURFACE: FILING-4-FG |
| CUT FACTOR: | 1.00 | |
| FILL FACTOR: | 1.15 | |
| CUT VOLUME(ADJUSTED): | 81518.15 CUBIC YARDS | |
| FILL VOLUME(ADJUSTED): | 85253.47 CUBIC YARDS | |
| NET VOLUME(ADJUSTED): | 3735.33(FILL) CUBIC YARDS | |
| CUT FACTOR: | 1.00 | |
| FILL FACTOR: | 1.00 | |
| CUT VOLUME(UNADJUSTED): | 81518.15 CUBIC YARDS | |
| FILL VOLUME(UNADJUSTED): | 74133.45 CUBIC YARDS | |
| NET VOLUME(UNADJUSTED): | 7384.69(FILL) CUBIC YARDS | |

LOC - LIMITS OF CONSTRUCTION (ENTIRE FILING PERMETER CONTROL) = 185.50 AC
LOD - LIMITS OF DISTURBANCE (ROADWAYS, UTILITIES, GRADING) = 32.90 AC

TABLE 1.1 - CHECK DAM SPACING

| SLOPE @ CHANNEL FLOWLINE (%) | MAX SPACING (FEET) |
|------------------------------|--------------------|
| 0.5 - 0.75 | 200 |
| 0.75 - 1 | 150 |
| 1 - 1.25 | 120 |
| 1.25 - 1.5 | 100 |
| 1.5 - 1.75 | 85 |
| 1.75 - 2 | 75 |

UNPLATTED PROPERTY
OWNER: SUNDANCE RANCH OF BLACK FOREST
SCH. NO. 5100000508
ZONING: RR-5
~35.1 AC.

UNPLATTED PROPERTY
OWNER: SUNDANCE RANCH OF BLACK FOREST
SCH. NO. 5100000507
ZONING: RR-5
~35.1 AC.

TEMPORARY SEDIMENT BASIN
RISER PIPE, 100 LF @ 2.6%
DAYLIGHT AT INV. EL. 7543.50

SED BASIN E
RISER PIPE INV.
EL AT BEND: 7545.63
1 COLUMN OF ORIFICES,
4 ORIFICES TOTAL: 1/2" IN DIA. EA.
ROW 1 ORIFICE EL. 7546.34
ROW 2 ORIFICE EL. 7546.67
ROW 3 ORIFICE EL. 7547.00
ROW 4 ORIFICE EL. 7547.33

TEMPORARY SEDIMENT BASIN E
TOTAL TRIBUTARY AREA: 8.3 AC
DISTURBED AREA: 0.9 AC
UNDISTURBED AREA: 7.4 AC
SEDIMENT VOL: 0.16 AC-FT
BASIN VOL: 0.22 AC-FT
BTM. OF POND: 7546.00
CREST EL.: 7549.00
TOP OF POND EL.: 7550.00
SPILLWAY: 6'W x 16'L

TEMPORARY SEDIMENT BASIN B
TO BE BUILT TO FINISHED POND
DESIGN PER CONSTRUCTION DRAWINGS.
TOTAL TRIBUTARY AREA: 17.5 AC
DISTURBED AREA: 2.6 AC
UNDISTURBED AREA: 14.8 AC
SEDIMENT VOL: 0.33 AC-FT
BASIN VOL: 2.05 AC-FT
BTM. OF POND: 7526.00
CREST EL.: 7528.00
TOP OF POND EL.: 7529.00
SPILLWAY PER FINISHED POND
EMERGENCY SPILLWAY (68'W BY 32'L)

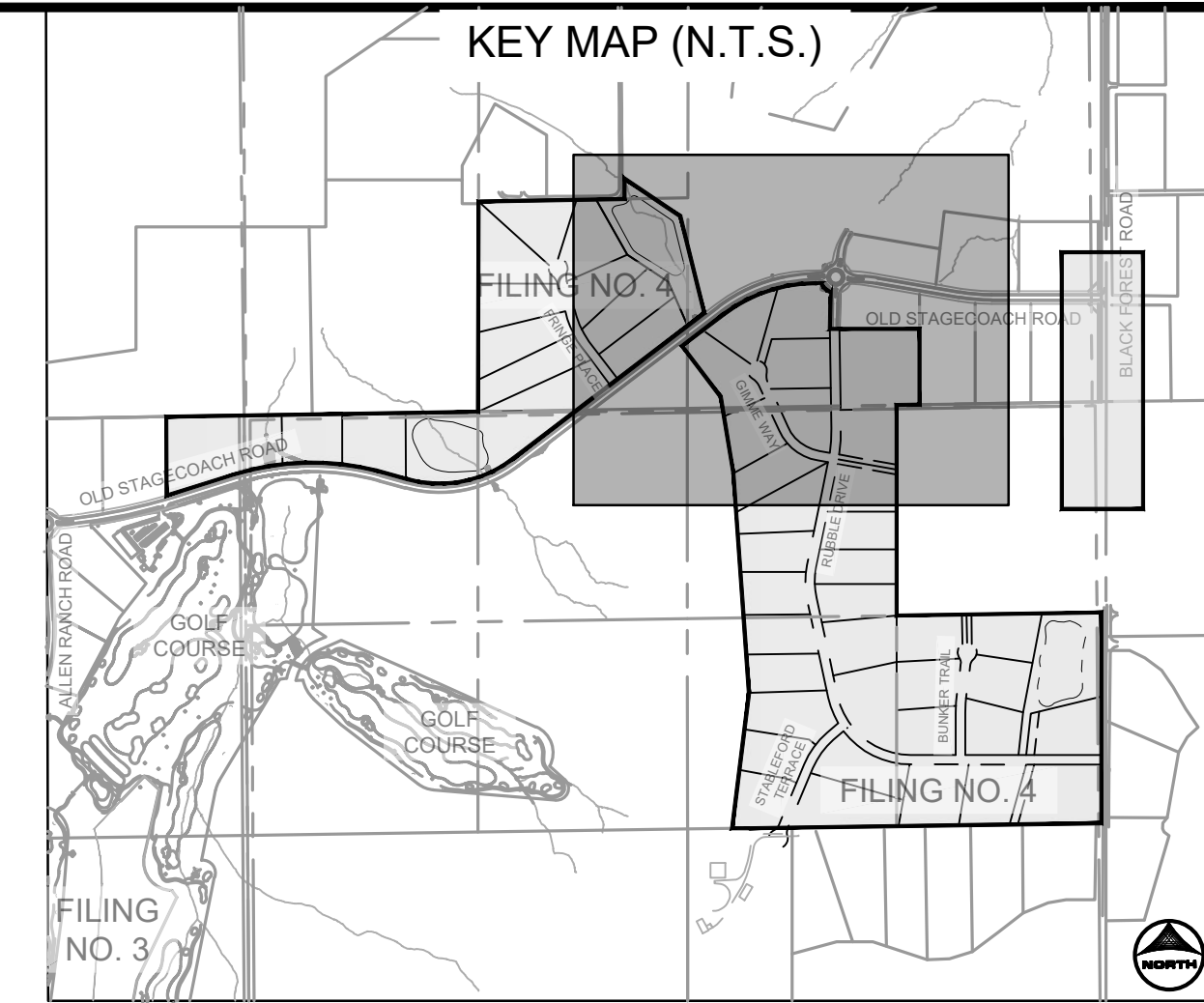
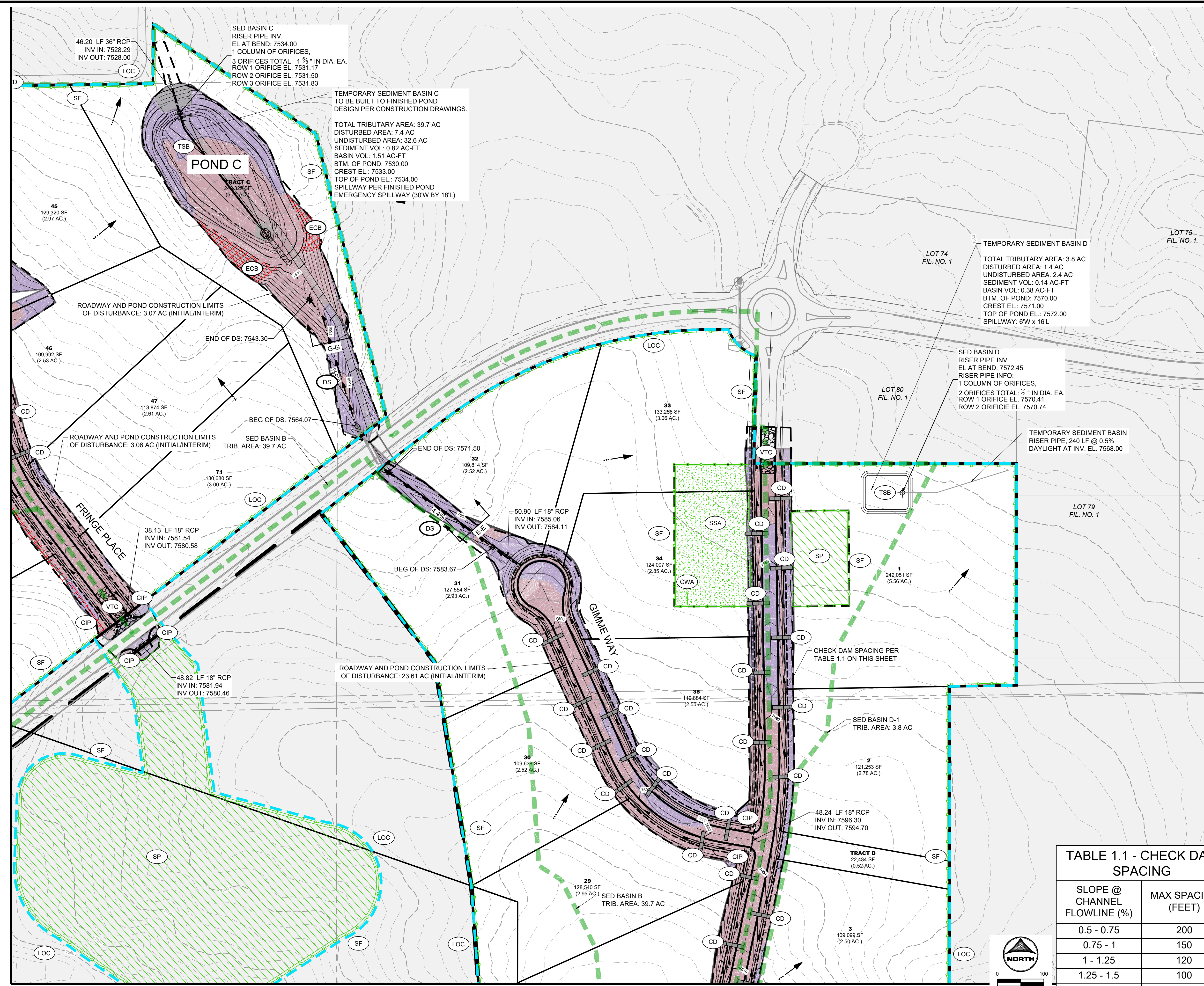
TEMPORARY SEDIMENT BASIN
RISER PIPE, 105 LF @ 1.1%
DAYLIGHT AT INV. EL. 7524.00

SED BASIN B
RISER PIPE INV.
EL AT BEND: 7526.00
RISER PIPE INFO:
2 COLUMNS OF ORIFICES,
6 ORIFICES TOTAL: 1-1/2" IN DIA. EA.
ROW 1 ORIFICE EL. 7526.41
ROW 2 ORIFICE EL. 7526.74
ROW 3 ORIFICE EL. 7527.07

ROADWAY AND POND CONSTRUCTION LIMITS
OF DISTURBANCE: 2.27 AC (INITIAL/INTERIM)

SED BASIN B
TRIB. AREA: 17.5 AC

| NO. | DATE | BY | REVISION DESCRIPTION |
|-----|------|----|----------------------|
| | | | |



GEC LEGEND:

| | | | |
|----------|---|--------|-----------------------|
| [Symbol] | SILT FENCE | PHASE: | INITIAL/INTERIM |
| [Symbol] | STABILIZED STAGING AREA | | INITIAL/INTERIM |
| [Symbol] | STOCKPILE MANAGEMENT | | INITIAL/INTERIM |
| [Symbol] | INLET PROTECTION: IP-1 TO BE USED ON ALL INLETS | | INTERIM |
| [Symbol] | CULVERT INLET PROTECTION | | INTERIM |
| [Symbol] | VEHICLE TRACKING CONTROL | | INITIAL |
| [Symbol] | DRAINAGE SWALE | | INTERIM |
| [Symbol] | LIMITS OF CONSTRUCTION | | INITIAL/INTERIM/FINAL |
| [Symbol] | LIMITS OF DISTURBANCE | | INITIAL/INTERIM/FINAL |
| [Symbol] | CUT CONDITION | | |
| [Symbol] | FILL CONDITION | | |
| [Symbol] | FLOW DIRECTION | | |
| [Symbol] | EROSION CONTROL BLANKET | | INTERIM/FINAL |
| [Symbol] | CHECK DAM (STRAW BALE) | | INTERIM |
| [Symbol] | CONCRETE WASH OUT | | INITIAL |
| [Symbol] | TEMPORARY SEDIMENT BASIN | | INITIAL |
| [Symbol] | TSB TRIBUTARY AREA DELINEATION | | INITIAL |

- GRADING & EROSION CONTROL PLAN NOTES:**
- SEE SHEET XX FOR EL PASO COUNTY GRADING AND EROSION CONTROL DETAILS.
 - ALL STORMWATER MANAGEMENT MEASURES SHOWN ON THIS PLAN MUST BE INSTALLED AND MAINTAINED PER THE EL PASO COUNTY STORMWATER CONSTRUCTION MANUAL, LATEST REVISIONS.
 - AREA WITHIN LIMITS OF DISTURBANCE TO BE CLEARED, GRUBBED AND STOCKPILED PRIOR TO IMPORT OF ANY FILL.
 - ALL GREATER THAN 4:1 SLOPES MUST RECEIVE SLOPE TRACKING TREATMENT AND EROSION CONTROL BLANKET.
 - STOCKPILES REQUIRED DURING ONSITE CONSTRUCTION ACTIVITIES WILL BE PLACED AT THE DISCRETION OF THE CONTRACTOR. STOCKPILING OF MATERIAL MUST NOT OCCUR OUTSIDE THE LIMITS OF DISTURBANCE SHOWN ON THIS PLAN.
 - NON-STRUCTURAL CONTROLS (I.E. STREET SWEEPING) WILL BE AT THE DISCRETION OF THE PROJECT'S CERTIFIED GEC ADMINISTRATOR THROUGHOUT THE DURATION OF LAND DISTURBING ACTIVITIES.
 - THERE ARE NO ANTICIPATED ASPHALT AND/OR CONCRETE BATCH PLANTS, OR MASONRY MIX STATIONS ASSOCIATED WITH THIS PROJECT. IF THE CONTRACTOR REQUIRES A ASPHALT/CONCRETE BATCH PLANTS OR MASONRY MIX STATIONS, THESE PLANS WILL BE AMENDED AS REQUIRED.
 - THERE ARE NO EXISTING PRESERVATION EASEMENTS LOCATED ON SITE.
 - ONSITE EXISTING VEGETATION IS NATIVE GRASSES AND WEEDS. THERE IS NO NOTABLE VEGETATION OTHERWISE.
 - THE NATURAL TERTIARY SWALE THROUGH LOTS 16 AND 17 IS PLATTED AS A PUBLIC DRAINAGE EASEMENT WITH A VARIED WIDTH. THE EASEMENT IS TO HAVE TMAX TRM INSTALLED WITH PERMANENT SEEDING. ALL OTHER NATURAL TERTIARY SWALES DO NOT REQUIRE TRM AND ARE NOT TO BE DISTURBED. AREAS REQUIRING ROLLMAX TRM (TMAX OR P300) ARE CALLED OUT ON THE PLANS AND ARE AREAS NEAR POND CONCRETE RUNDOWNS OR ROADSIDE SWALES. SEE THE PERMANENT CHANNEL LINING PROVIDED ON SHEET 2.
 - ALL ROADSIDE DITCHES ARE TO HAVE PERMANENT TRM (ROLLMAX P300 OR EQUIV.) INSTALLED.
 - ALL CULVERTS ARE TO HAVE RIP-RAP INSTALLED AT OUTLET POINTS AS SEEN IN STORM CONSTRUCTION DRAWINGS.

PROJECT INFO:

VOLUME:
 BASE SURFACE: EXISTING-FULL COMPARISON SURFACE: FILING-4-FG

| | |
|--------------------------|---------------------------|
| CUT FACTOR: | 1.00 |
| FILL FACTOR: | 1.15 |
| CUT VOLUME(ADJUSTED): | 81518.15 CUBIC YARDS |
| FILL VOLUME(ADJUSTED): | 85253.47 CUBIC YARDS |
| NET VOLUME(ADJUSTED): | 3735.33(FILL) CUBIC YARDS |
| CUT FACTOR: | 1.00 |
| FILL FACTOR: | 1.00 |
| CUT VOLUME(UNADJUSTED): | 81518.15 CUBIC YARDS |
| FILL VOLUME(UNADJUSTED): | 74133.45 CUBIC YARDS |
| NET VOLUME(UNADJUSTED): | 7384.69(FILL) CUBIC YARDS |

LOC - LIMITS OF CONSTRUCTION (ENTIRE FILING PERMETER CONTROL) = 185.50 AC
 LOD - LIMITS OF DISTURBANCE (ROADWAYS, UTILITIES, GRADING) = 32.90 AC

TABLE 1.1 - CHECK DAM SPACING

| SLOPE @ CHANNEL FLOWLINE (%) | MAX SPACING (FEET) |
|------------------------------|--------------------|
| 0.5 - 0.75 | 200 |
| 0.75 - 1 | 150 |
| 1 - 1.25 | 120 |
| 1.25 - 1.5 | 100 |
| 1.5 - 1.75 | 85 |
| 1.75 - 2 | 75 |

MATCHLINE SEE SHEET 3

MATCHLINE SEE SHEET 6

MATCHLINE SEE SHEET 5

| | | |
|--|------------------------|--|
| DRAWN BY: AMC | JOB DATE: 9/12/2024 | BAR IS ONE INCH ON OFFICIAL DRAWINGS. |
| APPROVED: RDL | JOB NUMBER: 211030.240 | 0" = 1" |
| CAD DATE: 9/13/2024 | | IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY. |
| CAD FILE: J:\2021\211030\CAD\DWG\C\Filing_No_4\GEC\GEC-Initial-Interim | | |

| NO. | DATE | BY | REVISION DESCRIPTION |
|-----|------|----|----------------------|
| | | | |
| | | | |

HRGreen
 HR GREEN - COLORADO SPRINGS
 1975 RESEARCH PARKWAY SUITE 160
 COLORADO SPRINGS, CO 80920
 PHONE: 719.300.4140
 FAX: 719.965.0044

**FLYING HORSE NORTH FILING 4
 PRI #2, LLC.**
 EL PASO COUNTY, CO

GRADING & EROSION CONTROL PLAN
 INITIAL & INTERIM GEC

**SHEET
 GEC
 4**

MATCHLINE SEE SHEET 4

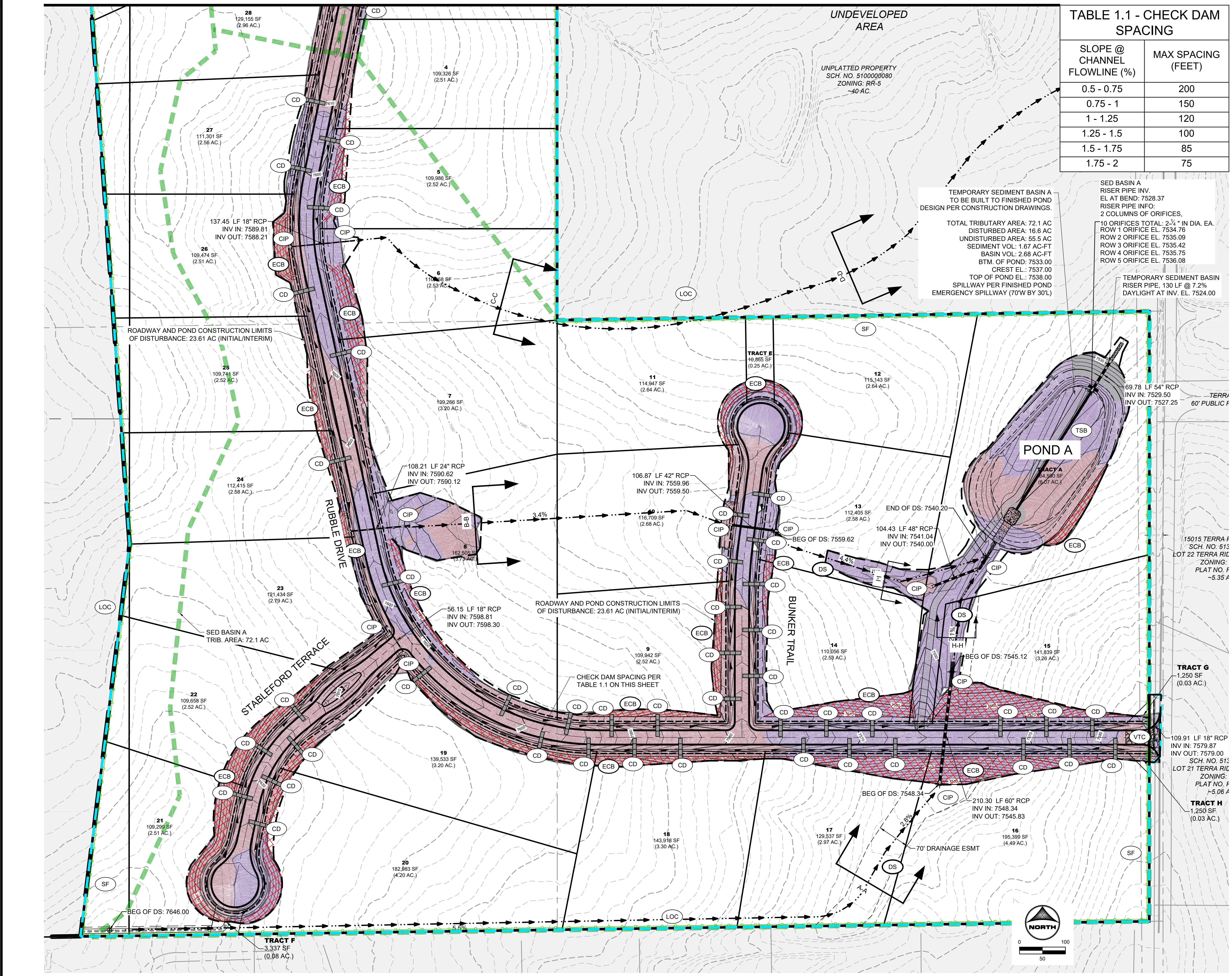


TABLE 1.1 - CHECK DAM SPACING

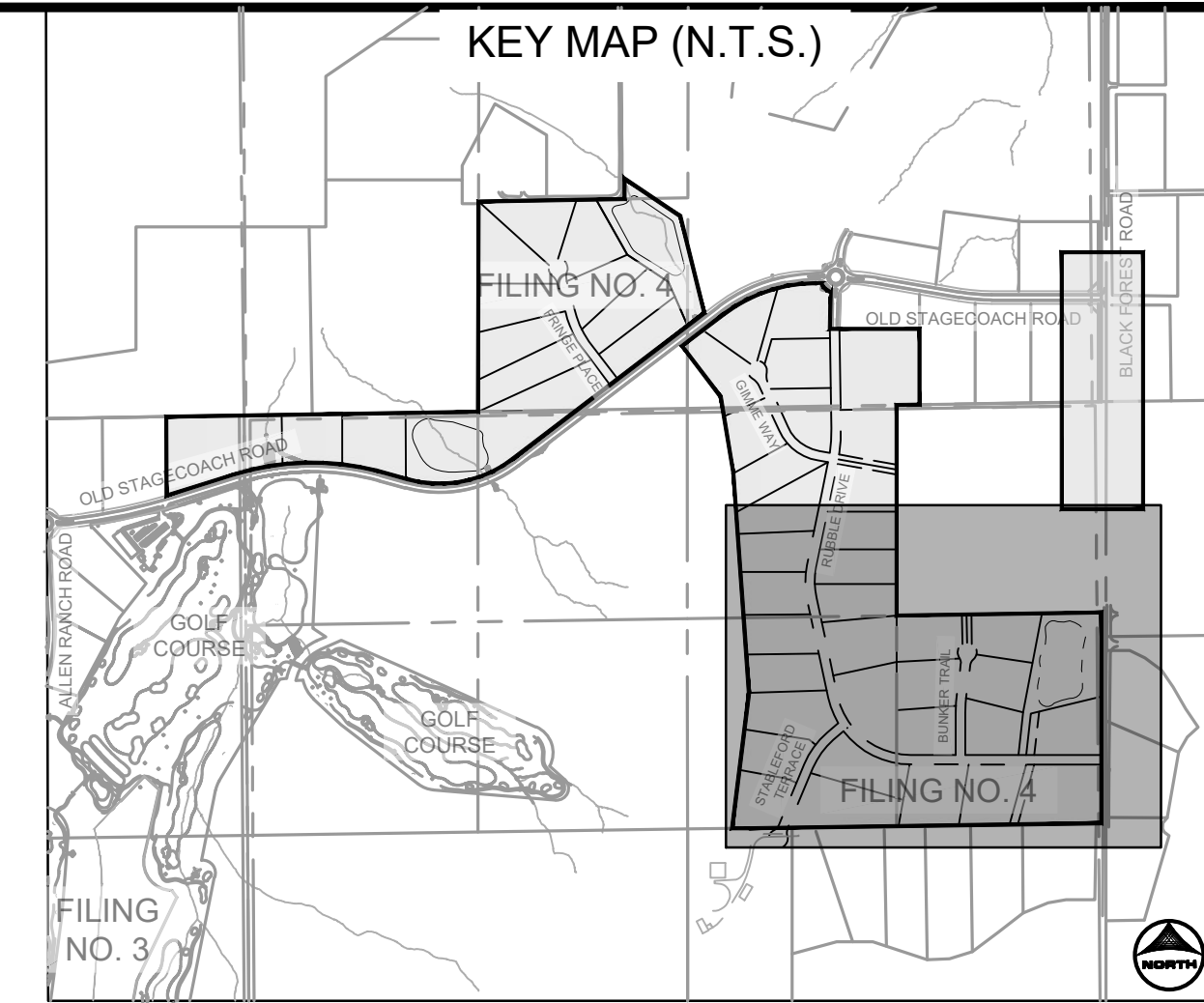
| SLOPE @ CHANNEL FLOWLINE (%) | MAX SPACING (FEET) |
|------------------------------|--------------------|
| 0.5 - 0.75 | 200 |
| 0.75 - 1 | 150 |
| 1 - 1.25 | 120 |
| 1.25 - 1.5 | 100 |
| 1.5 - 1.75 | 85 |
| 1.75 - 2 | 75 |

TEMPORARY SEDIMENT BASIN A TO BE BUILT TO FINISHED POND DESIGN PER CONSTRUCTION DRAWINGS.

TOTAL TRIBUTARY AREA: 72.1 AC
 DISTURBED AREA: 16.6 AC
 UNDISTURBED AREA: 55.5 AC
 SEDIMENT VOL: 1.67 AC-FT
 BASIN VOL: 2.68 AC-FT
 BTM. OF POND: 7533.00
 CREST EL.: 7537.00
 TOP OF POND EL.: 7538.00
 SPILLWAY PER FINISHED POND
 EMERGENCY SPILLWAY (70'W BY 30'L)

SED BASIN A RISER PIPE INV. EL. AT BEND: 7528.37
 RISER PIPE INFO: 2 COLUMNS OF ORIFICES.
 10 ORIFICES TOTAL: 2 1/2" IN DIA. EA.
 ROW 1 ORIFICE EL. 7534.76
 ROW 2 ORIFICE EL. 7535.09
 ROW 3 ORIFICE EL. 7535.42
 ROW 4 ORIFICE EL. 7535.75
 ROW 5 ORIFICE EL. 7536.08

TEMPORARY SEDIMENT BASIN RISER PIPE, 130 LF @ 7.2% DAYLIGHT AT INV. EL. 7524.00



- GEC LEGEND:**
- SF SILT FENCE
 - SSA STABILIZED STAGING AREA
 - SP STOCKPILE MANAGEMENT
 - IP INLET PROTECTION: IP-1 TO BE USED ON ALL INLETS
 - CIP CULVERT INLET PROTECTION
 - VTC VEHICLE TRACKING CONTROL
 - DS DRAINAGE SWALE
 - LOC LIMITS OF CONSTRUCTION
 - LOD LIMITS OF DISTURBANCE
 - CUT CUT CONDITION
 - FILL FILL CONDITION
 - FLOW DIRECTION
 - ECB EROSION CONTROL BLANKET
 - CD CHECK DAM (STRAW BALE)
 - CWA CONCRETE WASH OUT
 - TSB TEMPORARY SEDIMENT BASIN
 - TSB TRIBUTARY AREA DELINEATION
- PHASE:**
- INITIAL/INTERIM
 - INITIAL/INTERIM
 - INITIAL/INTERIM
 - INTERIM
 - INTERIM
 - INITIAL
 - INTERIM
 - INITIAL/INTERIM/FINAL
 - INITIAL/INTERIM/FINAL
 - INITIAL
 - INTERIM/FINAL
 - INTERIM
 - INITIAL
 - INITIAL

GRADING & EROSION CONTROL PLAN NOTES:

- SEE SHEET XX FOR EL PASO COUNTY GRADING AND EROSION CONTROL DETAILS.
- ALL STORMWATER MANAGEMENT MEASURES SHOWN ON THIS PLAN MUST BE INSTALLED AND MAINTAINED PER THE EL PASO COUNTY STORMWATER CONSTRUCTION MANUAL; LATEST REVISIONS.
- AREA WITHIN LIMITS OF DISTURBANCE TO BE CLEARED, GRUBBED AND STOCKPILED PRIOR TO IMPORT OF ANY FILL.
- ALL GREATER THAN 4:1 SLOPES MUST RECEIVE SLOPE TRACKING TREATMENT AND EROSION CONTROL BLANKET.
- STOCKPILES REQUIRED DURING ONSITE CONSTRUCTION ACTIVITIES WILL BE PLACED AT THE DISCRETION OF THE CONTRACTOR. STOCKPILING OF MATERIAL MUST NOT OCCUR OUTSIDE THE LIMITS OF DISTURBANCE SHOWN ON THIS PLAN.
- NON-STRUCTURAL CONTROLS (I.E. STREET SWEEPING) WILL BE AT THE DISCRETION OF THE PROJECT'S CERTIFIED GEC ADMINISTRATOR THROUGHOUT THE DURATION OF LAND DISTURBING ACTIVITIES.
- THERE ARE NO ANTICIPATED ASPHALT AND/OR CONCRETE BATCH PLANTS, OR MASONRY MIX STATIONS ASSOCIATED WITH THIS PROJECT. IF THE CONTRACTOR REQUIRES AN ASPHALT/CONCRETE BATCH PLANTS OR MASONRY MIX STATIONS, THESE PLANS WILL BE AMENDED AS REQUIRED.
- THERE ARE NO EXISTING PRESERVATION EASEMENTS LOCATED ON SITE.
- ONSITE EXISTING VEGETATION IS NATIVE GRASSES AND WEEDS. THERE IS NO NOTABLE VEGETATION OTHERWISE.
- THE NATURAL TERTIARY SWALE THROUGH LOTS 16 AND 17 IS PLATTED AS A PUBLIC DRAINAGE EASEMENT WITH A VARIED WIDTH. THE EASEMENT IS TO HAVE TMAX TRM INSTALLED WITH PERMANENT SEEDING. ALL OTHER NATURAL TERTIARY SWALES DO NOT REQUIRE TRM AND ARE NOT TO BE DISTURBED. AREAS REQUIRING ROLLMAX TRM (TMAX OR P300) ARE CALLED OUT ON THE PLANS AND ARE NEAR POND CONCRETE RUNDOWNS OR ROADSIDE SWALES. SEE THE PERMANENT CHANNEL LINING PROVIDED ON SHEET 2.
- ALL ROADSIDE DITCHES ARE TO HAVE PERMANENT TRM (ROLLMAX P300 OR EQUIV.) INSTALLED.
- ALL CULVERTS ARE TO HAVE RIP-RAP INSTALLED AT OUTLET POINTS AS SEEN IN STORM CONSTRUCTION DRAWINGS.

PROJECT INFO:
 VOLUME:
 BASE SURFACE: EXISTING-FULL COMPARISON SURFACE: FILING-4-FG

CUT FACTOR: 1.00
 FILL FACTOR: 1.15
 CUT VOLUME(ADJUSTED): 81518.15 CUBIC YARDS
 FILL VOLUME(ADJUSTED): 85253.47 CUBIC YARDS
 NET VOLUME(ADJUSTED): 3735.33(FILL) CUBIC YARDS

CUT FACTOR: 1.00
 FILL FACTOR: 1.00
 CUT VOLUME(UNADJUSTED): 81518.15 CUBIC YARDS
 FILL VOLUME(UNADJUSTED): 74133.45 CUBIC YARDS
 NET VOLUME(UNADJUSTED): 7384.69(FILL) CUBIC YARDS

LOC - LIMITS OF CONSTRUCTION (ENTIRE FILING PERIMETER CONTROL) = 185.50 AC
 LOD - LIMITS OF DISTURBANCE (ROADWAYS, UTILITIES, GRADING) = 32.90 AC

DRAWN BY: AMC JOB DATE: 9/12/2024
 APPROVED: RDL JOB NUMBER: 211030.240
 CAD DATE: 9/13/2024
 CAD FILE: J:\2021\211030\CAD\DWG\C\Filing_No_4\GEC\GEC-Initial-Interim

BAR IS ONE INCH ON OFFICIAL DRAWINGS.
 IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

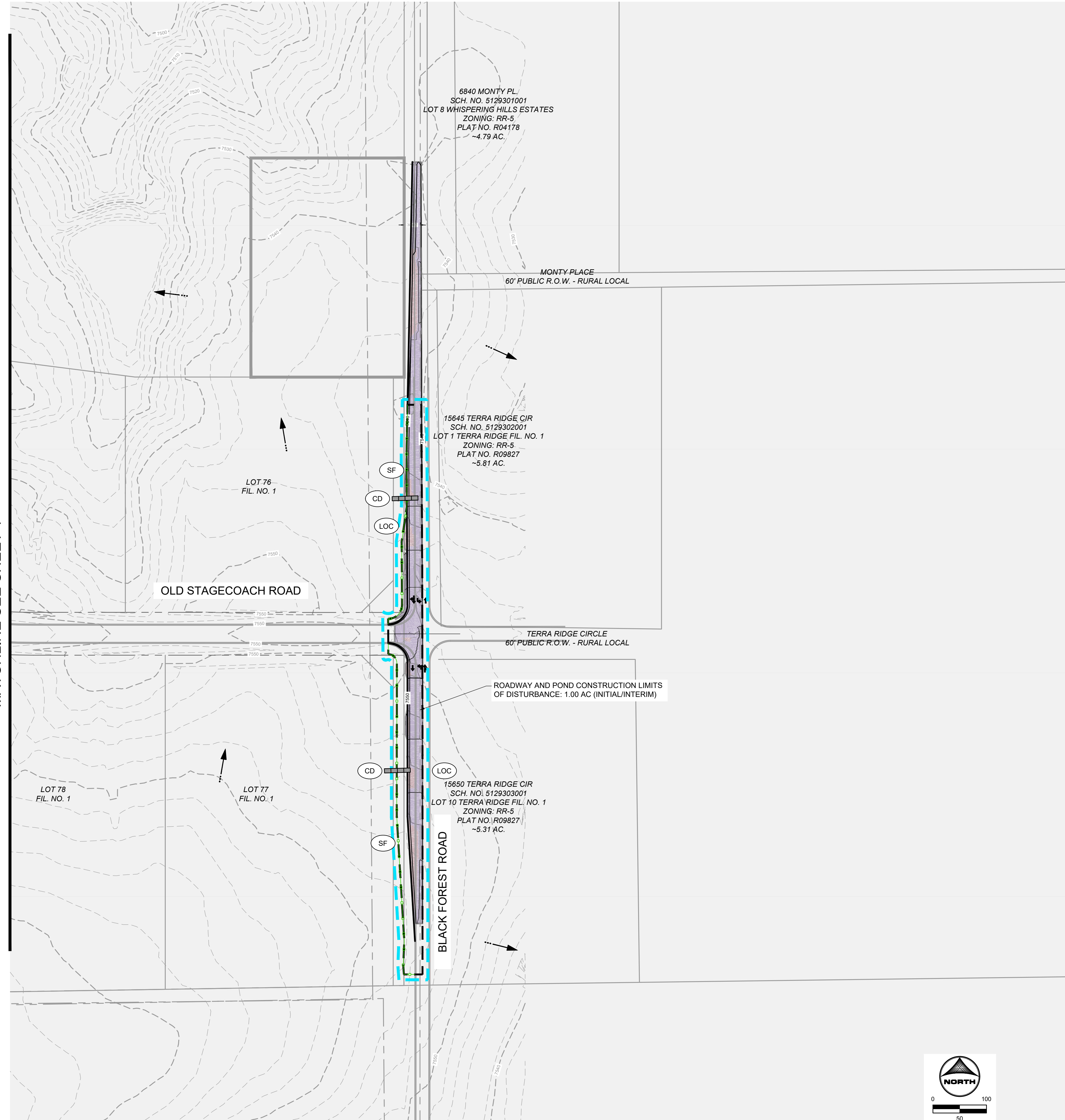
| NO. | DATE | BY | REVISION DESCRIPTION |
|-----|------|----|----------------------|
| | | | |
| | | | |

HRGreen
 HR GREEN - COLORADO SPRINGS
 1975 RESEARCH PARKWAY SUITE 160
 COLORADO SPRINGS, CO 80920
 PHONE: 719.300.4140
 FAX: 719.965.0044

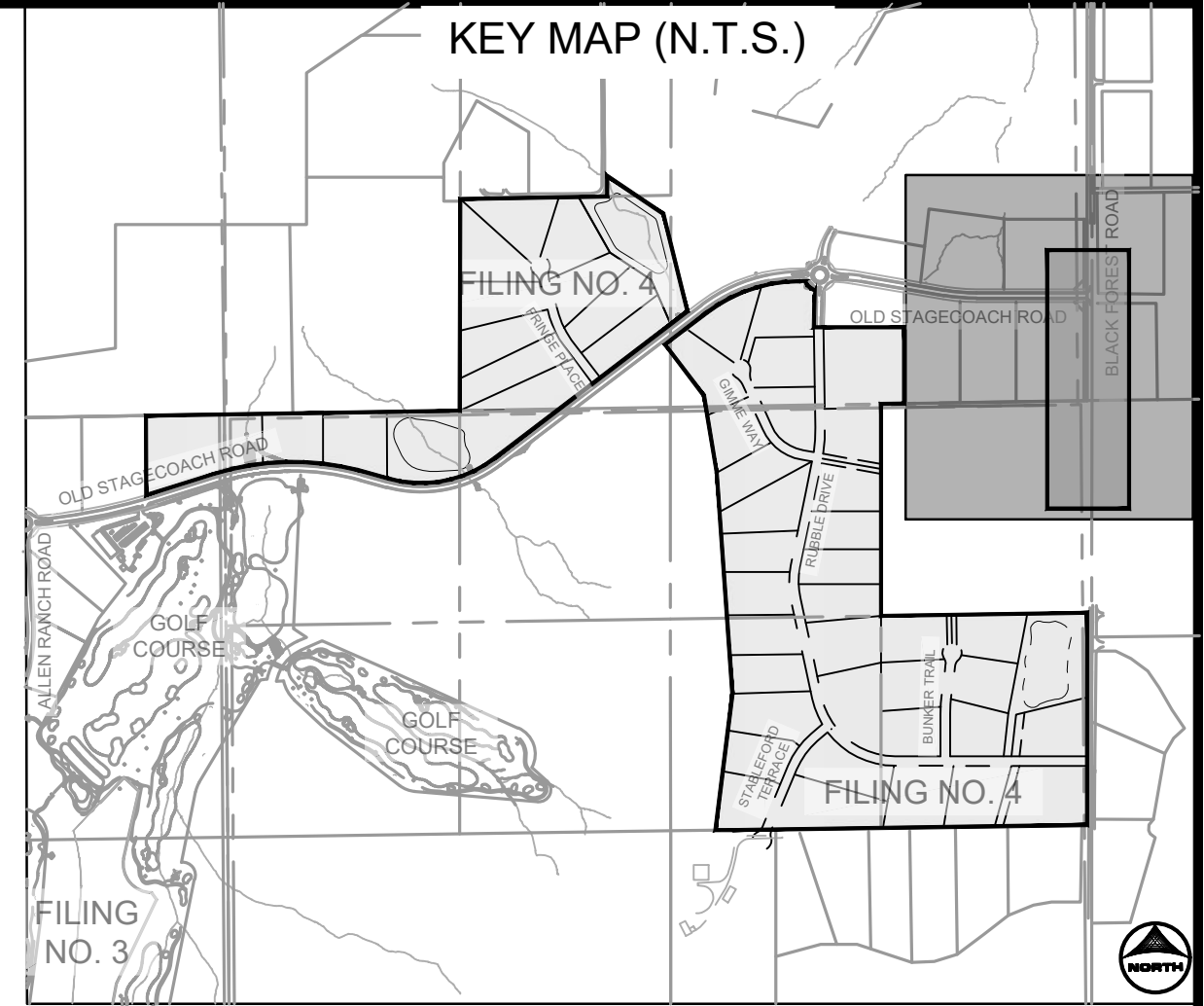
**FLYING HORSE NORTH FILING 4
 PRI #2, LLC.
 EL PASO COUNTY, CO**

**GRADING & EROSION CONTROL PLAN
 INITIAL & INTERIM GEC**

SHEET **GEC** **5**



MATCHLINE SEE SHEET 4



| GEC LEGEND: | | PHASE: | |
|-------------|--|--------|-----------------------|
| | SF SILT FENCE | | INITIAL/INTERIM |
| | SSA STABILIZED STAGING AREA | | INITIAL/INTERIM |
| | SP STOCKPILE MANAGEMENT | | INITIAL/INTERIM |
| | IP INLET PROTECTION: IP-1 TO BE USED ON ALL INLETS | | INTERIM |
| | CIP CULVERT INLET PROTECTION | | INTERIM |
| | VTC VEHICLE TRACKING CONTROL | | INITIAL |
| | DS DRAINAGE SWALE | | INTERIM |
| | LOC LIMITS OF CONSTRUCTION | | INITIAL/INTERIM/FINAL |
| | LIMITS OF DISTURBANCE | | INITIAL/INTERIM/FINAL |
| | FILL CONDITION | | |
| | FLOW DIRECTION | | |
| | ECB EROSION CONTROL BLANKET | | INTERIM/FINAL |
| | CD CHECK DAM (STRAW BALE) | | INTERIM |
| | CWA CONCRETE WASH OUT | | INITIAL |
| | TSB TEMPORARY SEDIMENT BASIN | | INITIAL |
| | TSB TRIBUTARY AREA DELINEATION | | INITIAL |

GRADING & EROSION CONTROL PLAN NOTES:

- SEE SHEET XX FOR EL PASO COUNTY GRADING AND EROSION CONTROL DETAILS.
- ALL STORMWATER MANAGEMENT MEASURES SHOWN ON THIS PLAN MUST BE INSTALLED AND MAINTAINED PER THE EL PASO COUNTY STORMWATER CONSTRUCTION MANUAL; LATEST REVISIONS.
- AREA WITHIN LIMITS OF DISTURBANCE TO BE CLEARED, GRUBBED AND STOCKPILED PRIOR TO IMPORT OF ANY FILL.
- ALL GREATER THAN 4:1 SLOPES MUST RECEIVE SLOPE TRACKING TREATMENT AND EROSION CONTROL BLANKET.
- STOCKPILES REQUIRED DURING ONSITE CONSTRUCTION ACTIVITIES WILL BE PLACED AT THE DISCRETION OF THE CONTRACTOR. STOCKPILING OF MATERIAL MUST NOT OCCUR OUTSIDE THE LIMITS OF DISTURBANCE SHOWN ON THIS PLAN.
- NON-STRUCTURAL CONTROLS (I.E. STREET SWEEPING) WILL BE AT THE DISCRETION OF THE PROJECT'S CERTIFIED GEC ADMINISTRATOR THROUGHOUT THE DURATION OF LAND DISTURBING ACTIVITIES.
- THERE ARE NO ANTICIPATED ASPHALT AND/OR CONCRETE BATCH PLANTS, OR MASONRY MIX STATIONS ASSOCIATED WITH THIS PROJECT. IF THE CONTRACTOR REQUIRES A ASPHALT/CONCRETE BATCH PLANTS OR MASONRY MIX STATIONS, THESE PLANS WILL BE AMENDED AS REQUIRED.
- THERE ARE NO EXISTING PRESERVATION EASEMENTS LOCATED ON SITE.
- ONSITE EXISTING VEGETATION IS NATIVE GRASSES AND WEEDS. THERE IS NO NOTABLE VEGETATION OTHERWISE.
- THE NATURAL TERTIARY SWALE THROUGH LOTS 16 AND 17 IS PLATTED AS A PUBLIC DRAINAGE EASEMENT WITH A VARIED WIDTH. THE EASEMENT IS TO HAVE TMAX TRM INSTALLED WITH PERMANENT SEEDING. ALL OTHER NATURAL TERTIARY SWALES DO NOT REQUIRE TRM AND ARE NOT TO BE DISTURBED. AREAS REQUIRING ROLLMAX TRM (TMAX OR P300) ARE CALLED OUT ON THE PLANS AND ARE AREAS NEAR POND CONCRETE RUNDOWNS OR ROADSIDE SWALES. SEE THE PERMANENT CHANNEL LINING PROVIDED ON SHEET 2.
- ALL ROADSIDE DITCHES ARE TO HAVE PERMANENT TRM (ROLLMAX P300 OR EQUIV.) INSTALLED.
- ALL CULVERTS ARE TO HAVE RIP-RAP INSTALLED AT OUTLET POINTS AS SEEN IN STORM CONSTRUCTION DRAWINGS.

PROJECT INFO:

VOLUME:
 BASE SURFACE: EXISTING-FULL COMPARISON SURFACE: FILING-4-FG

CUT FACTOR: 1.00
 FILL FACTOR: 1.15
 CUT VOLUME(ADJUSTED): 81518.15 CUBIC YARDS
 FILL VOLUME(ADJUSTED): 85253.47 CUBIC YARDS
 NET VOLUME(ADJUSTED): 3735.33(FILL) CUBIC YARDS

CUT FACTOR: 1.00
 FILL FACTOR: 1.00
 CUT VOLUME(UNADJUSTED): 81518.15 CUBIC YARDS
 FILL VOLUME(UNADJUSTED): 74133.45 CUBIC YARDS
 NET VOLUME(UNADJUSTED): 7384.69(FILL) CUBIC YARDS

LOC - LIMITS OF CONSTRUCTION (ENTIRE FILING PERIMETER CONTROL) = 185.50 AC

LOD - LIMITS OF DISTURBANCE (ROADWAYS, UTILITIES, GRADING) = 32.90 AC

PCD FILE NO.: SF####

| | | |
|--|------------------------|--|
| DRAWN BY: AMC | JOB DATE: 9/12/2024 | BAR IS ONE INCH ON OFFICIAL DRAWINGS. |
| APPROVED: RDL | JOB NUMBER: 211030.240 | 0" = 1" |
| CAD DATE: 9/13/2024 | | IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY. |
| CAD FILE: J:\2021\211030\CAD\DWG\C\Filing_No_4\GEC\GEC-Initial-Interim | | |

| NO. | DATE | BY | REVISION DESCRIPTION |
|-----|------|----|----------------------|
| | | | |
| | | | |
| | | | |

HRGreen HR GREEN - COLORADO SPRINGS
 1975 RESEARCH PARKWAY SUITE 160
 COLORADO SPRINGS, CO 80920
 PHONE: 719.300.4140
 FAX: 713.965.0044

**FLYING HORSE NORTH FILING 4
 PRI #2, LLC.**
 EL PASO COUNTY, CO

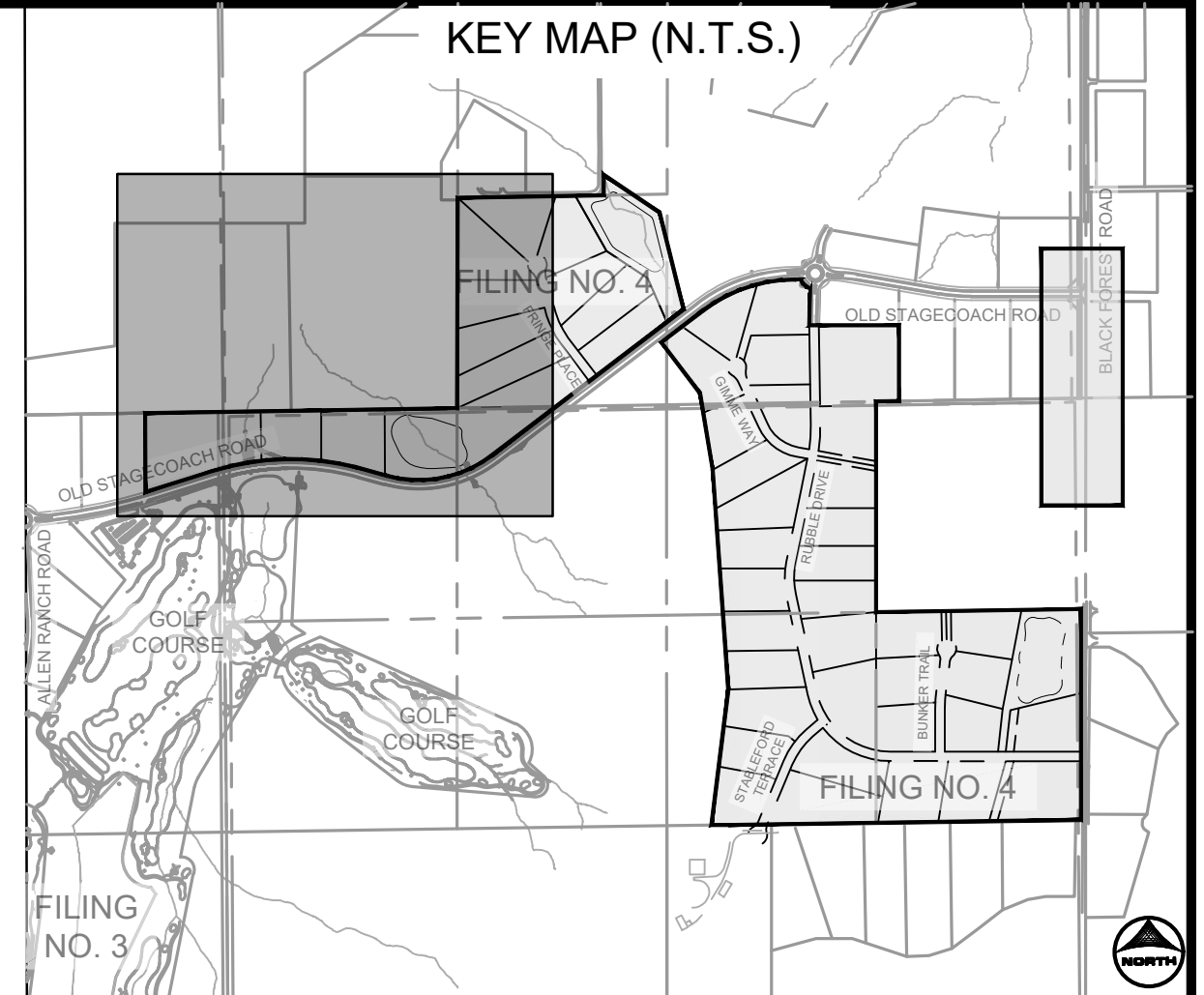
GRADING & EROSION CONTROL PLAN
 INITIAL & INTERIM GEC

**SHEET
 GEC
 6**



UNPLATTED PROPERTY
OWNER: SUNDANCE RANCH OF BLACK FOREST
SCH. NO. 5100000508
ZONING: RR-5
~35.1 AC.

UNPLATTED PROPERTY
OWNER: SUNDANCE RANCH OF BLACK FOREST
SCH. NO. 5100000507
ZONING: RR-5
~35.1 AC.



| GEC LEGEND: | | PHASE: |
|-------------|--|---------------|
| | TRM TURF REINFORCED MAT | FINAL |
| | SM SEEDING & MULCHING | FINAL |
| | DS DRAINAGE SWALE | |
| | LOD LIMITS OF CONSTRUCTION/DISTURBANCE | |
| | FLOW DIRECTION | |
| | ECB EROSION CONTROL BLANKET | INTERIM/FINAL |

GRADING & EROSION CONTROL PLAN NOTES:

- SEE SHEET XX FOR EL PASO COUNTY GRADING AND EROSION CONTROL DETAILS.
- ALL STORMWATER MANAGEMENT MEASURES SHOWN ON THIS PLAN MUST BE INSTALLED AND MAINTAINED PER THE EL PASO COUNTY STORMWATER CONSTRUCTION MANUAL; LATEST REVISIONS.
- AREA WITHIN LIMITS OF DISTURBANCE TO BE CLEARED, GRUBBED AND STOCKPILED PRIOR TO IMPORT OF ANY FILL.
- ALL GREATER THAN 4:1 SLOPES MUST BE RECEIVE SLOPE TRACKING TREATMENT AND EROSION CONTROL BLANKET.
- STOCKPILES REQUIRED DURING ONSITE CONSTRUCTION ACTIVITIES WILL BE PLACED AT THE DISCRETION OF THE CONTRACTOR. STOCKPIILING OF MATERIAL MUST NOT OCCUR OUTSIDE THE LIMITS OF DISTURBANCE SHOWN ON THIS PLAN.
- NON-STRUCTURAL CONTROLS (I.E. STREET SWEEPING) WILL BE AT THE DISCRETION OF THE PROJECT'S CERTIFIED GEC ADMINISTRATOR THROUGHOUT THE DURATION OF LAND DISTURBING ACTIVITIES.
- THERE ARE NO ANTICIPATED ASPHALT AND/OR CONCRETE BATCH PLANTS, OR MASONRY MIX STATIONS ASSOCIATED WITH THIS PROJECT. IF THE CONTRACTOR REQUIRES A ASPHALT/CONCRETE BATCH PLANTS OR MASONRY MIX STATIONS, THESE PLANS WILL BE AMENDED AS REQUIRED.
- THERE ARE NO EXISTING PRESERVATION EASEMENTS LOCATED ON SITE.
- ONSITE EXISTING VEGETATION IS NATIVE GRASSES AND WEEDS. THERE IS NO NOTABLE VEGETATION OTHERWISE.
- THE NATURAL TERTIARY SWALE THROUGH LOTS 16 AND 17 IS PLATTED AS A PUBLIC DRAINAGE EASEMENT WITH A VARIED WTDH. THE EASEMENT IS TO HAVE TMX TRM INSTALLED WITH PERMANENT SEEDING. ALL OTHER NATURAL TERTIARY SWALES DO NOT REQUIRE TRM AND ARE NOT TO BE DISTURBED. AREAS REQUIRING ROLLMAX TRM (TMX OR P300) ARE CALLED OUT ON THE PLANS AND ARE AREAS NEAR POND CONCRETE RUNDOWNS OR ROADSIDE SWALES. SEE THE PERMANENT CHANNEL LINING PROVIDED ON SHEET 2.
- ALL ROADSIDE DITCHES ARE TO HAVE PERMANENT TRM (ROLLMAX P300 OR EQUIV.) INSTALLED.
- ALL CULVERTS ARE TO HAVE RIP-RAP INSTALLED AT OUTLET POINTS AS SEEN IN STORM CONSTRUCTION DRAWINGS.

PROJECT INFO:

VOLUME:
BASE SURFACE: EXISTING-FULL COMPARISON SURFACE: FILING-4-FG

CUT FACTOR: 1.00
FILL FACTOR: 1.15
CUT VOLUME(ADJUSTED): 81518.15 CUBIC YARDS
FILL VOLUME(ADJUSTED): 85253.47 CUBIC YARDS
NET VOLUME(ADJUSTED): 3735.33(FILL) CUBIC YARDS

CUT FACTOR: 1.00
FILL FACTOR: 1.00
CUT VOLUME(UNADJUSTED): 81518.15 CUBIC YARDS
FILL VOLUME(UNADJUSTED): 74133.45 CUBIC YARDS
NET VOLUME(UNADJUSTED): 7384.69(FILL) CUBIC YARDS

LOC - LIMITS OF CONSTRUCTION (ENTIRE FILING PERIMETER CONTROL) = 185.50 AC
LOD - LIMITS OF DISTURBANCE (ROADWAYS, UTILITIES, GRADING) = 32.90 AC

MATCHLINE SEE SHEET 8

| | | |
|--|------------------------|--|
| DRAWN BY: AMC | JOB DATE: 9/5/2024 | BAR IS ONE INCH ON OFFICIAL DRAWINGS. |
| APPROVED: RDL | JOB NUMBER: 211030.240 | 0" = 1" |
| CAD DATE: 9/13/2024 | | IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY. |
| CAD FILE: J:\2021\211030\CAD\DWG\C\Filing_No_4\GEC\GEC-Final | | |

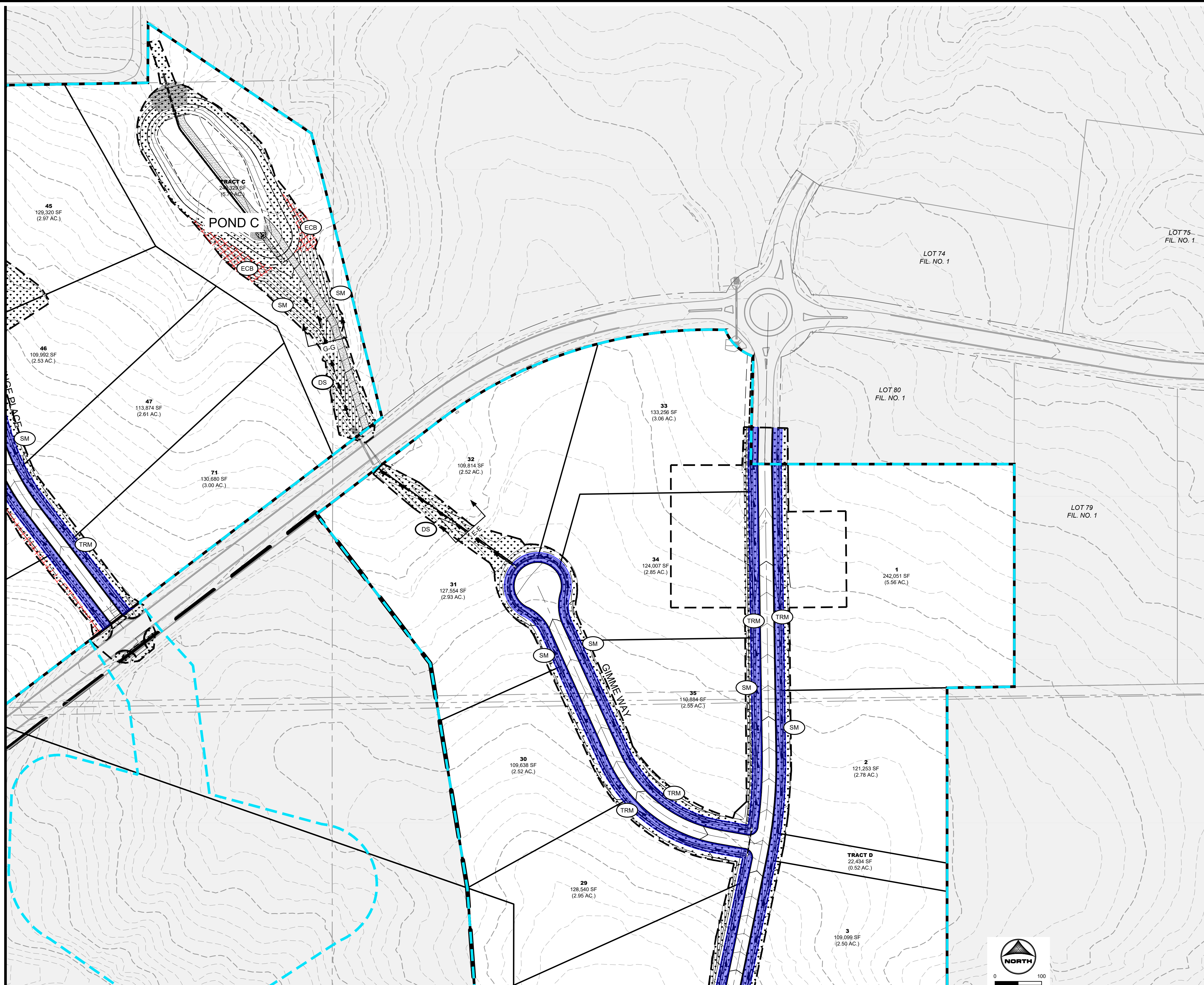
| NO. | DATE | BY | REVISION DESCRIPTION |
|-----|------|----|----------------------|
| | | | |
| | | | |

HRGreen
HR GREEN - COLORADO SPRINGS
1975 RESEARCH PARKWAY SUITE 160
COLORADO SPRINGS, CO 80920
PHONE: 719.300.4140
FAX: 713.965.0044

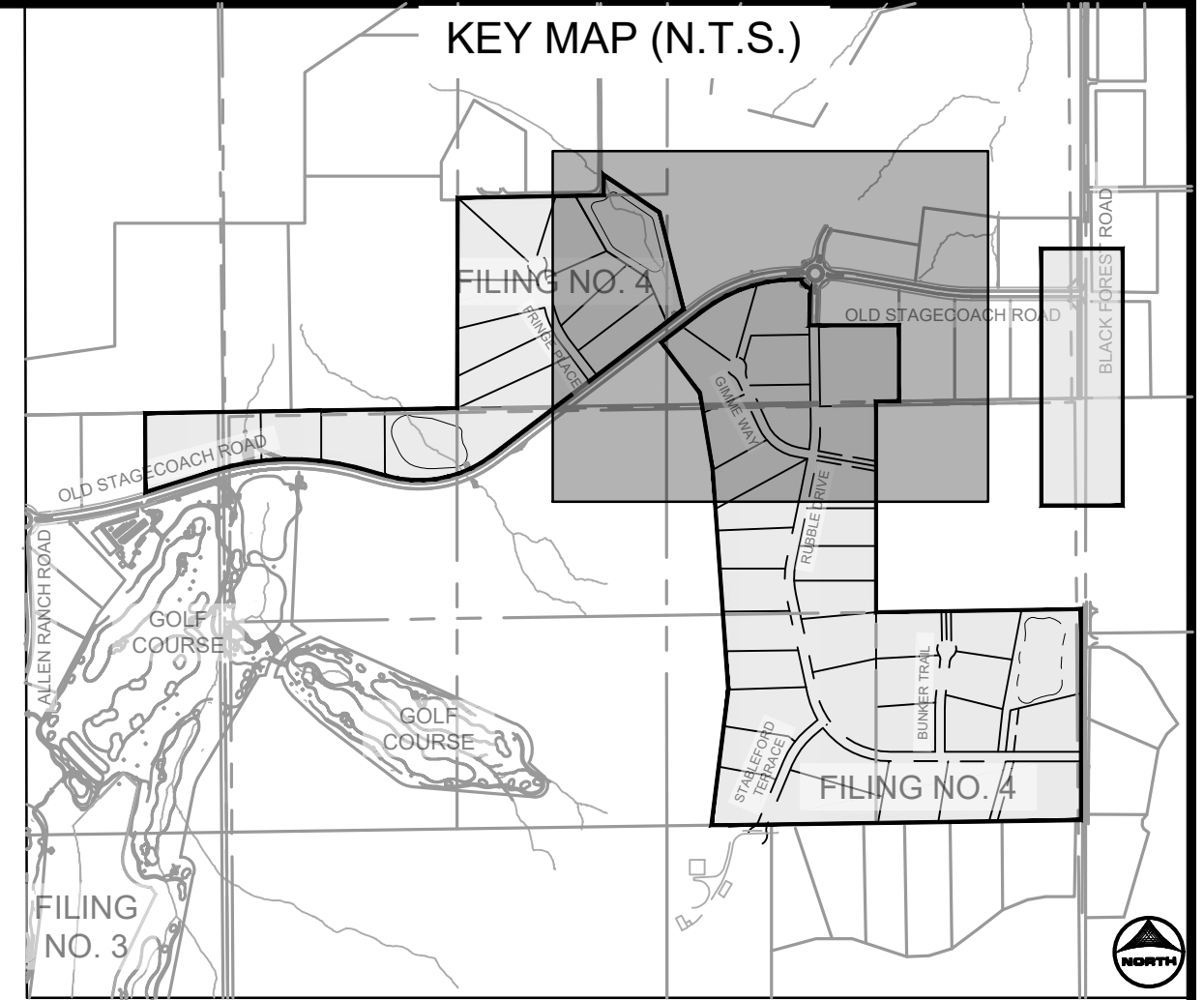
**FLYING HORSE NORTH FILING 4
PRI #2, LLC.**
EL PASO COUNTY, CO

GRADING & EROSION CONTROL PLAN
FINAL GEC

**SHEET
GEC
7**



MATCHLINE SEE SHEET 9



| GEC LEGEND: | | PHASE: |
|-------------|--|---------------|
| | TRM TURF REINFORCED MAT | FINAL |
| | SM SEEDING & MULCHING | FINAL |
| | DS DRAINAGE SWALE | |
| | LOD LIMITS OF CONSTRUCTION/DISTURBANCE | |
| | FLOW DIRECTION | |
| | ECB EROSION CONTROL BLANKET | INTERIM/FINAL |

GRADING & EROSION CONTROL PLAN NOTES:

- SEE SHEET XX FOR EL PASO COUNTY GRADING AND EROSION CONTROL DETAILS.
- ALL STORMWATER MANAGEMENT MEASURES SHOWN ON THIS PLAN MUST BE INSTALLED AND MAINTAINED PER THE EL PASO COUNTY STORMWATER CONSTRUCTION MANUAL; LATEST REVISIONS.
- AREA WITHIN LIMITS OF DISTURBANCE TO BE CLEARED, GRUBBED AND STOCKPILED PRIOR TO IMPORT OF ANY FILL.
- ALL GREATER THAN 4:1 SLOPES MUST BE RECEIVE SLOPE TRACKING TREATMENT AND EROSION CONTROL BLANKET.
- STOCKPILES REQUIRED DURING ONSITE CONSTRUCTION ACTIVITIES WILL BE PLACED AT THE DISCRETION OF THE CONTRACTOR. STOCKPILING OF MATERIAL MUST NOT OCCUR OUTSIDE THE LIMITS OF DISTURBANCE SHOWN ON THIS PLAN.
- NON-STRUCTURAL CONTROLS (I.E. STREET SWEEPING) WILL BE AT THE DISCRETION OF THE PROJECT'S CERTIFIED GEC ADMINISTRATOR THROUGHOUT THE DURATION OF LAND DISTURBING ACTIVITIES.
- THERE ARE NO ANTICIPATED ASPHALT AND/OR CONCRETE BATCH PLANTS, OR MASONRY MIX STATIONS ASSOCIATED WITH THIS PROJECT. IF THE CONTRACTOR REQUIRES A ASPHALT/CONCRETE BATCH PLANTS OR MASONRY MIX STATIONS, THESE PLANS WILL BE AMENDED AS REQUIRED.
- THERE ARE NO EXISTING PRESERVATION EASEMENTS LOCATED ON SITE.
- ONSITE EXISTING VEGETATION IS NATIVE GRASSES AND WEEDS. THERE IS NO NOTABLE VEGETATION OTHERWISE.
- THE NATURAL TERTIARY SWALE THROUGH LOTS 16 AND 17 IS PLATTED AS A PUBLIC DRAINAGE EASEMENT WITH A VARIED WTDH. THE EASEMENT IS TO HAVE TMAX TRM INSTALLED WITH PERMANENT SEEDING. ALL OTHER NATURAL TERTIARY SWALES DO NOT REQUIRE TRM AND ARE NOT TO BE DISTURBED. AREAS REQUIRING ROLLMAX TRM (TMAX OR P300) ARE CALLED OUT ON THE PLANS AND ARE AREAS NEAR POND CONCRETE RUNDOWNS OR ROADSIDE SWALES. SEE THE PERMANENT CHANNEL LINING PROVIDED ON SHEET 2.
- ALL ROADSIDE DITCHES ARE TO HAVE PERMANENT TRM (ROLLMAX P300 OR EQUIV.) INSTALLED.
- ALL CULVERTS ARE TO HAVE RIP-RAP INSTALLED AT OUTLET POINTS AS SEEN IN STORM CONSTRUCTION DRAWINGS.

PROJECT INFO:

VOLUME:
 BASE SURFACE: EXISTING-FULL COMPARISON SURFACE: FILING-4-FG

CUT FACTOR: 1.00
 FILL FACTOR: 1.15
 CUT VOLUME(ADJUSTED): 81518.15 CUBIC YARDS
 FILL VOLUME(ADJUSTED): 85253.47 CUBIC YARDS
 NET VOLUME(ADJUSTED): 3735.33(FILL) CUBIC YARDS

CUT FACTOR: 1.00
 FILL FACTOR: 1.00
 CUT VOLUME(UNADJUSTED): 81518.15 CUBIC YARDS
 FILL VOLUME(UNADJUSTED): 74133.45 CUBIC YARDS
 NET VOLUME(UNADJUSTED): 7384.69(FILL) CUBIC YARDS

LOC - LIMITS OF CONSTRUCTION (ENTIRE FILING PERMETER CONTROL) = 185.50 AC
 LOD - LIMITS OF DISTURBANCE (ROADWAYS, UTILITIES, GRADING) = 32.90 AC

MATCHLINE SEE SHEET 10

| | | |
|--|------------------------|--|
| DRAWN BY: AMC | JOB DATE: 9/5/2024 | BAR IS ONE INCH ON OFFICIAL DRAWINGS. |
| APPROVED: RDL | JOB NUMBER: 211030.240 | 0" = 1" |
| CAD DATE: 9/13/2024 | | IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY. |
| CAD FILE: J:\2021\211030\CAD\DWG\C\Filing_No_4\GEC\GEC-Final | | |

| NO. | DATE | BY | REVISION DESCRIPTION |
|-----|------|----|----------------------|
| | | | |
| | | | |

HRGreen
 HR GREEN - COLORADO SPRINGS
 1975 RESEARCH PARKWAY SUITE 160
 COLORADO SPRINGS, CO 80920
 PHONE: 719.300.4140
 FAX: 713.965.0044

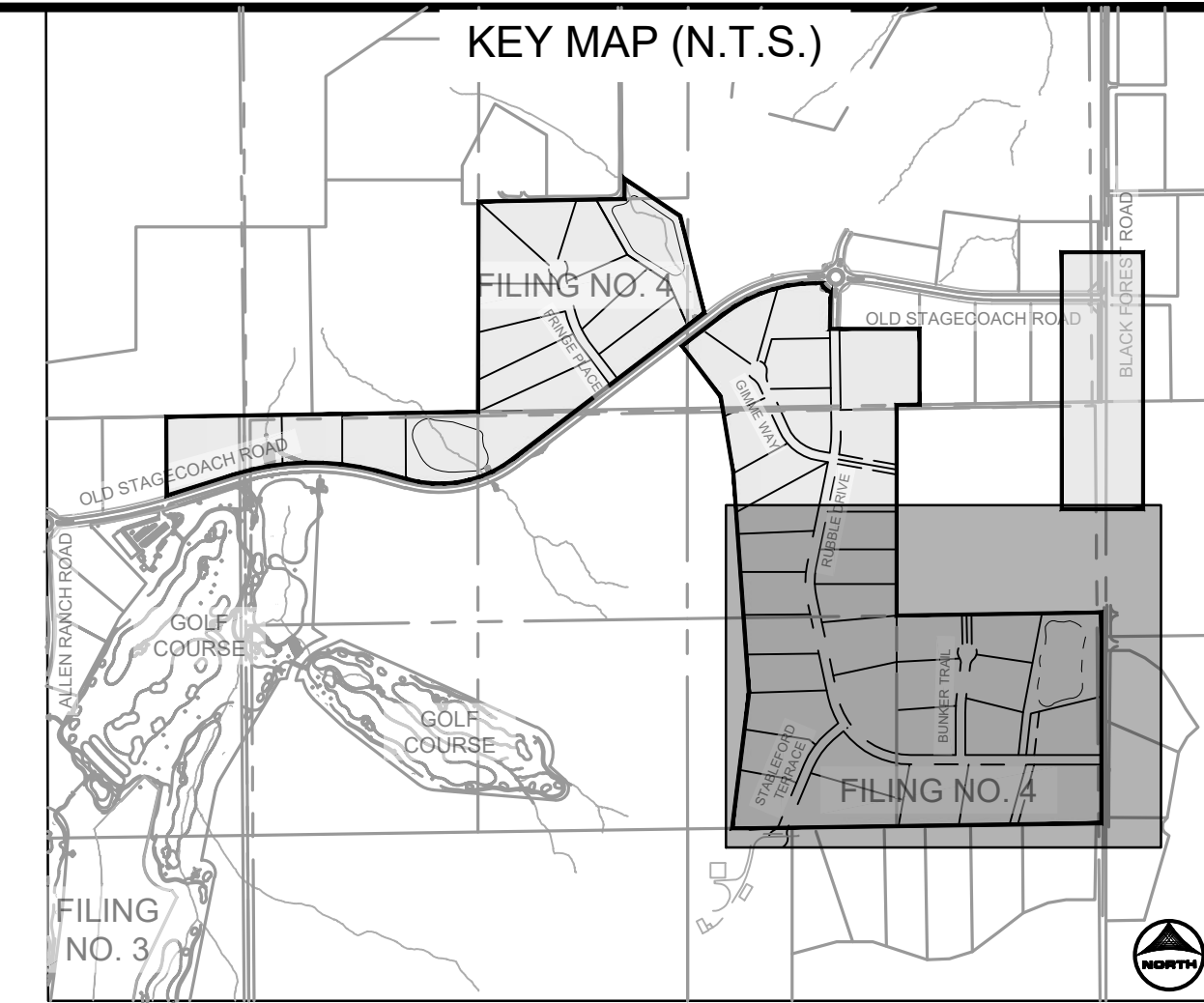
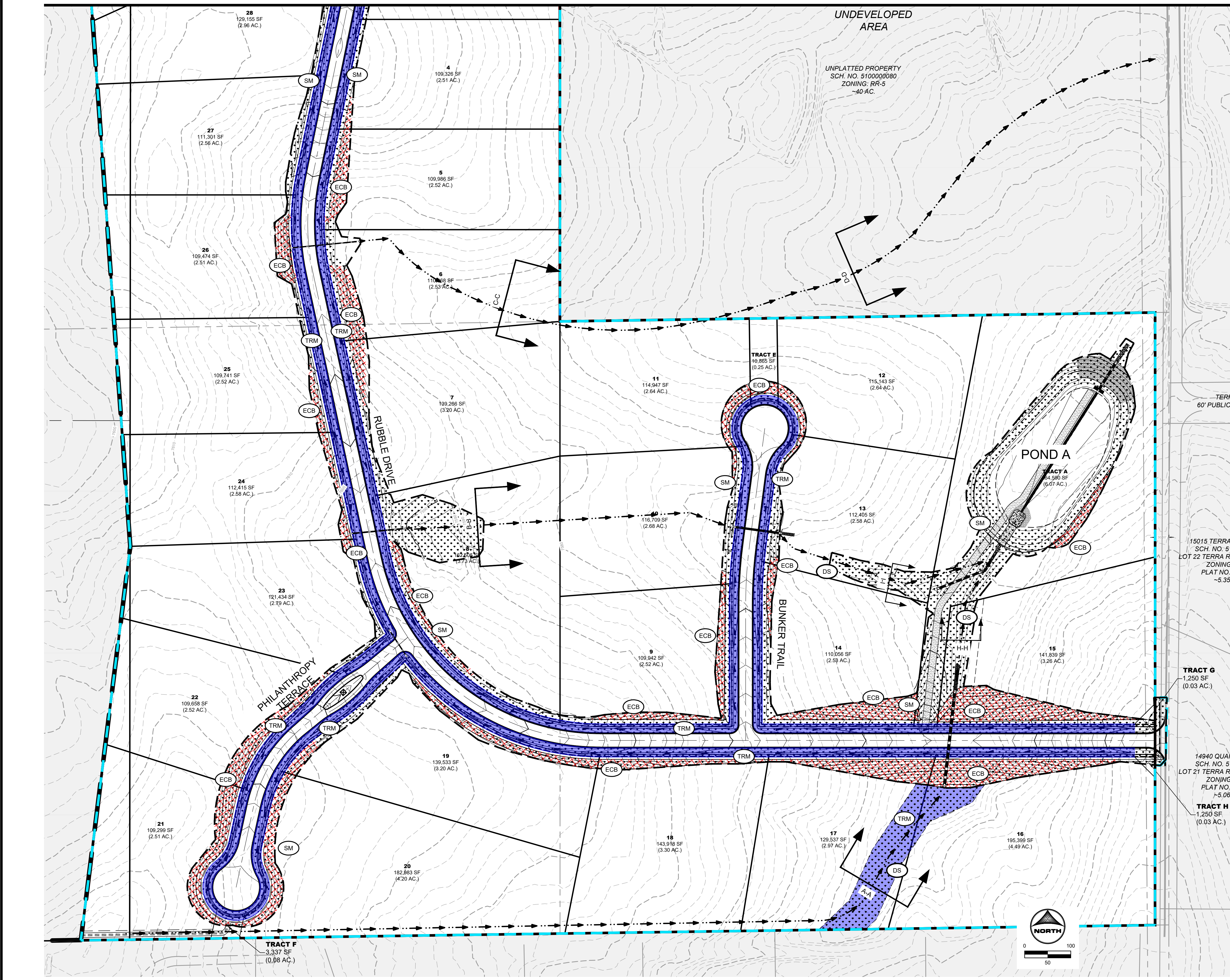
FLYING HORSE NORTH FILING 4
PRI #2, LLC.
 EL PASO COUNTY, CO

GRADING & EROSION CONTROL PLAN
FINAL GEC

SHEET
GEC
8

CULIG, ABBEY, 9/13/2024, 10:15 AM

MATCHLINE SEE SHEET 8



| GEC LEGEND: | | PHASE: |
|-------------|--|---------------|
| | TRM TURF REINFORCED MAT | FINAL |
| | SM SEEDING & MULCHING | FINAL |
| | DS DRAINAGE SWALE | |
| | LOD LIMITS OF CONSTRUCTION/DISTURBANCE | |
| | FLOW DIRECTION | |
| | ECB EROSION CONTROL BLANKET | INTERIM/FINAL |

GRADING & EROSION CONTROL PLAN NOTES:

- SEE SHEET XX FOR EL PASO COUNTY GRADING AND EROSION CONTROL DETAILS.
- ALL STORMWATER MANAGEMENT MEASURES SHOWN ON THIS PLAN MUST BE INSTALLED AND MAINTAINED PER THE EL PASO COUNTY STORMWATER CONSTRUCTION MANUAL; LATEST REVISIONS.
- AREA WITHIN LIMITS OF DISTURBANCE TO BE CLEARED, GRUBBED AND STOCKPILED PRIOR TO IMPORT OF ANY FILL.
- ALL GREATER THAN 4:1 SLOPES MUST RECEIVE SLOPE TRACKING TREATMENT AND EROSION CONTROL BLANKET.
- STOCKPILES REQUIRED DURING ONSITE CONSTRUCTION ACTIVITIES WILL BE PLACED AT THE DISCRETION OF THE CONTRACTOR. STOCKPILING OF MATERIAL MUST NOT OCCUR OUTSIDE THE LIMITS OF DISTURBANCE SHOWN ON THIS PLAN.
- NON-STRUCTURAL CONTROLS (I.E. STREET SWEEPING) WILL BE AT THE DISCRETION OF THE PROJECT'S CERTIFIED GEC ADMINISTRATOR THROUGHOUT THE DURATION OF LAND DISTURBING ACTIVITIES.
- THERE ARE NO ANTICIPATED ASPHALT AND/OR CONCRETE BATCH PLANTS, OR MASONRY MIX STATIONS ASSOCIATED WITH THIS PROJECT. IF THE CONTRACTOR REQUIRES A ASPHALT/CONCRETE BATCH PLANTS OR MASONRY MIX STATIONS, THESE PLANS WILL BE AMENDED AS REQUIRED.
- THERE ARE NO EXISTING PRESERVATION EASEMENTS LOCATED ON SITE.
- ONSITE EXISTING VEGETATION IS NATIVE GRASSES AND WEEDS. THERE IS NO NOTABLE VEGETATION OTHERWISE.
- THE NATURAL TERTIARY SWALE THROUGH LOTS 16 AND 17 IS PLATTED AS A PUBLIC DRAINAGE EASEMENT WITH A VARIED WIDTH. THE EASEMENT IS TO HAVE TMAX TRM INSTALLED WITH PERMANENT SEEDING. ALL OTHER NATURAL TERTIARY SWALES DO NOT REQUIRE TRM AND ARE NOT TO BE DISTURBED. AREAS REQUIRING ROLLMAX TRM (TMAX OR P300) ARE CALLED OUT ON THE PLANS AND ARE AREAS NEAR POND CONCRETE RUNDOWNS OR ROADSIDE SWALES. SEE THE PERMANENT CHANNEL LINING PROVIDED ON SHEET 2.
- ALL ROADSIDE DITCHES ARE TO HAVE PERMANENT TRM (ROLLMAX P300 OR EQUIV.) INSTALLED.
- ALL CULVERTS ARE TO HAVE RIP-RAP INSTALLED AT OUTLET POINTS AS SEEN IN STORM CONSTRUCTION DRAWINGS.

PROJECT INFO:

VOLUME:
 BASE SURFACE: EXISTING-FULL COMPARISON SURFACE: FILING-4-FG

CUT FACTOR: 1.00
 FILL FACTOR: 1.15
 CUT VOLUME(ADJUSTED): 81518.15 CUBIC YARDS
 FILL VOLUME(ADJUSTED): 85253.47 CUBIC YARDS
 NET VOLUME(ADJUSTED): 3735.33(FILL) CUBIC YARDS

CUT FACTOR: 1.00
 FILL FACTOR: 1.00
 CUT VOLUME(UNADJUSTED): 81518.15 CUBIC YARDS
 FILL VOLUME(UNADJUSTED): 74133.45 CUBIC YARDS
 NET VOLUME(UNADJUSTED): 7384.69(FILL) CUBIC YARDS

LOC - LIMITS OF CONSTRUCTION (ENTIRE FILING PERMETER CONTROL) = 185.50 AC
 LOD - LIMITS OF DISTURBANCE (ROADWAYS, UTILITIES, GRADING) = 32.90 AC

DRAWN BY: AMC JOB DATE: 9/5/2024
 APPROVED: RDL JOB NUMBER: 211030.240
 CAD DATE: 9/13/2024
 CAD FILE: J:\2021\211030\CAD\DWG\C\Filing_No_4\GEC\GEC-Final

BAR IS ONE INCH ON OFFICIAL DRAWINGS.
 IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

| NO. | DATE | BY | REVISION DESCRIPTION |
|-----|------|----|----------------------|
| | | | |
| | | | |

HRGreen
 HR GREEN - COLORADO SPRINGS
 1975 RESEARCH PARKWAY SUITE 160
 COLORADO SPRINGS, CO 80920
 PHONE: 719.300.4140
 FAX: 713.965.0044

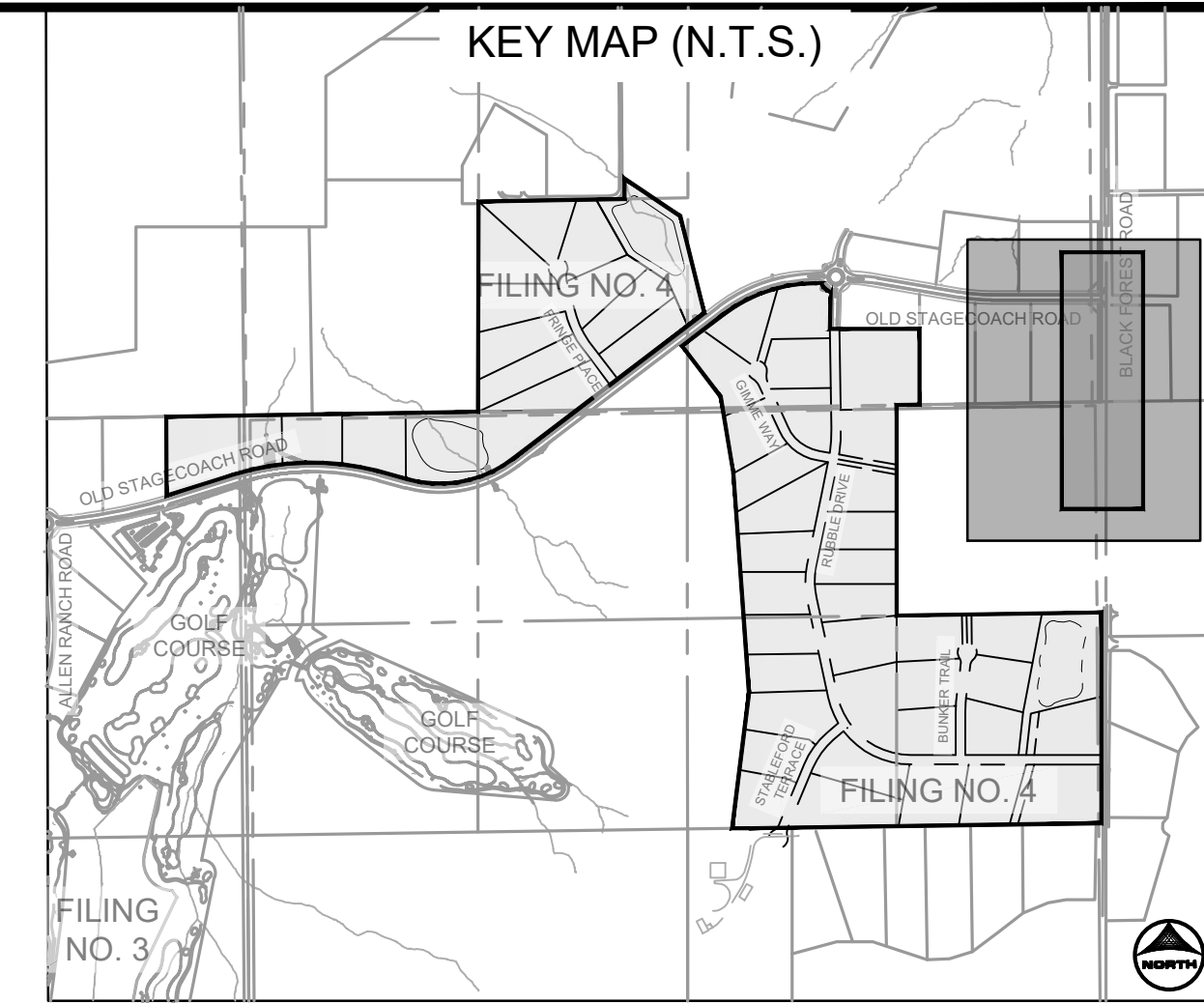
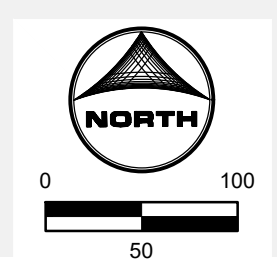
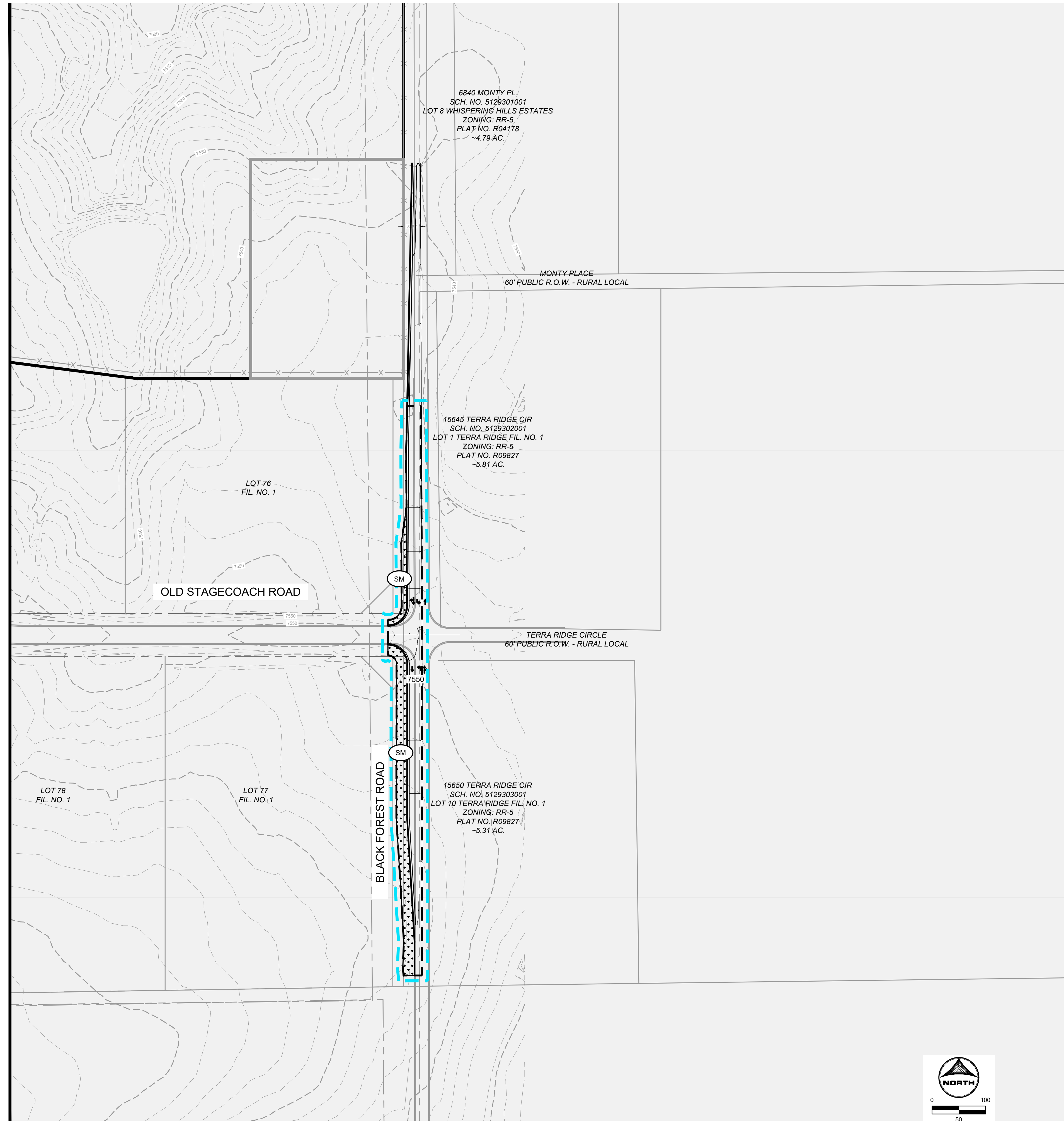
**FLYING HORSE NORTH FILING 4
 PRI #2, LLC.**
 EL PASO COUNTY, CO

**GRADING & EROSION CONTROL PLAN
 FINAL GEC**

**SHEET
 GEC
 9**

PCD FILE NO: SF####

MATCHLINE SEE SHEET 8



| GEC LEGEND: | | PHASE: |
|-------------|--|---------------|
| | TRM TURF REINFORCED MAT | FINAL |
| | SM SEEDING & MULCHING | FINAL |
| | DS DRAINAGE SWALE | |
| | LOD LIMITS OF CONSTRUCTION/DISTURBANCE | |
| | FLOW DIRECTION | |
| | ECB EROSION CONTROL BLANKET | INTERIM/FINAL |

GRADING & EROSION CONTROL PLAN NOTES:

- SEE SHEET XX FOR EL PASO COUNTY GRADING AND EROSION CONTROL DETAILS.
- ALL STORMWATER MANAGEMENT MEASURES SHOWN ON THIS PLAN MUST BE INSTALLED AND MAINTAINED PER THE EL PASO COUNTY STORMWATER CONSTRUCTION MANUAL; LATEST REVISIONS.
- AREA WITHIN LIMITS OF DISTURBANCE TO BE CLEARED, GRUBBED AND STOCKPILED PRIOR TO IMPORT OF ANY FILL.
- ALL GREATER THAN 4:1 SLOPES MUST BE RECEIVE SLOPE TRACKING TREATMENT AND EROSION CONTROL BLANKET.
- STOCKPILES REQUIRED DURING ONSITE CONSTRUCTION ACTIVITIES WILL BE PLACED AT THE DISCRETION OF THE CONTRACTOR. STOCKPILING OF MATERIAL MUST NOT OCCUR OUTSIDE THE LIMITS OF DISTURBANCE SHOWN ON THIS PLAN.
- NON-STRUCTURAL CONTROLS (I.E. STREET SWEEPING) WILL BE AT THE DISCRETION OF THE PROJECT'S CERTIFIED GEC ADMINISTRATOR THROUGHOUT THE DURATION OF LAND DISTURBING ACTIVITIES.
- THERE ARE NO ANTICIPATED ASPHALT AND/OR CONCRETE BATCH PLANTS, OR MASONRY MIX STATIONS ASSOCIATED WITH THIS PROJECT. IF THE CONTRACTOR REQUIRES A ASPHALT/CONCRETE BATCH PLANTS OR MASONRY MIX STATIONS, THESE PLANS WILL BE AMENDED AS REQUIRED.
- THERE ARE NO EXISTING PRESERVATION EASEMENTS LOCATED ON SITE.
- ONSITE EXISTING VEGETATION IS NATIVE GRASSES AND WEEDS. THERE IS NO NOTABLE VEGETATION OTHERWISE.
- THE NATURAL TERTIARY SWALE THROUGH LOTS 16 AND 17 IS PLATTED AS A PUBLIC DRAINAGE EASEMENT WITH A VARIED WIDTH. THE EASEMENT IS TO HAVE TMAX TRM INSTALLED WITH PERMANENT SEEDING. ALL OTHER NATURAL TERTIARY SWALES DO NOT REQUIRE TRM AND ARE NOT TO BE DISTURBED. AREAS REQUIRING ROLLMAX TRM (TMAX OR P300) ARE CALLED OUT ON THE PLANS AND ARE AREAS NEAR POND CONCRETE RUNDOWNS OR ROADSIDE SWALES. SEE THE PERMANENT CHANNEL LINING PROVIDED ON SHEET 2.
- ALL ROADSIDE DITCHES ARE TO HAVE PERMANENT TRM (ROLLMAX P300 OR EQUIV.) INSTALLED.
- ALL CULVERTS ARE TO HAVE RIP-RAP INSTALLED AT OUTLET POINTS AS SEEN IN STORM CONSTRUCTION DRAWINGS.

PROJECT INFO:

VOLUME:
 BASE SURFACE: EXISTING-FULL COMPARISON SURFACE: FILING-4-FG

CUT FACTOR: 1.00
 FILL FACTOR: 1.15
 CUT VOLUME(ADJUSTED): 81518.15 CUBIC YARDS
 FILL VOLUME(ADJUSTED): 85253.47 CUBIC YARDS
 NET VOLUME(ADJUSTED): 3735.33(FILL) CUBIC YARDS

CUT FACTOR: 1.00
 FILL FACTOR: 1.00
 CUT VOLUME(UNADJUSTED): 81518.15 CUBIC YARDS
 FILL VOLUME(UNADJUSTED): 74133.45 CUBIC YARDS
 NET VOLUME(UNADJUSTED): 7384.69(FILL) CUBIC YARDS

LOC - LIMITS OF CONSTRUCTION (ENTIRE FILING PERIMETER CONTROL) = 185.50 AC

LOD - LIMITS OF DISTURBANCE (ROADWAYS, UTILITIES, GRADING) = 32.90 AC

PCD FILE NO.: SF####

| | | |
|--|------------------------|--|
| DRAWN BY: AMC | JOB DATE: 9/5/2024 | BAR IS ONE INCH ON OFFICIAL DRAWINGS. |
| APPROVED: RDL | JOB NUMBER: 211030.240 | 0" = 1" |
| CAD DATE: 9/13/2024 | | IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY. |
| CAD FILE: J:\2021\211030\CAD\DWG\C\Filing_No_4\GEC\GEC-Final | | |

| NO. | DATE | BY | REVISION DESCRIPTION |
|-----|------|----|----------------------|
| | | | |
| | | | |

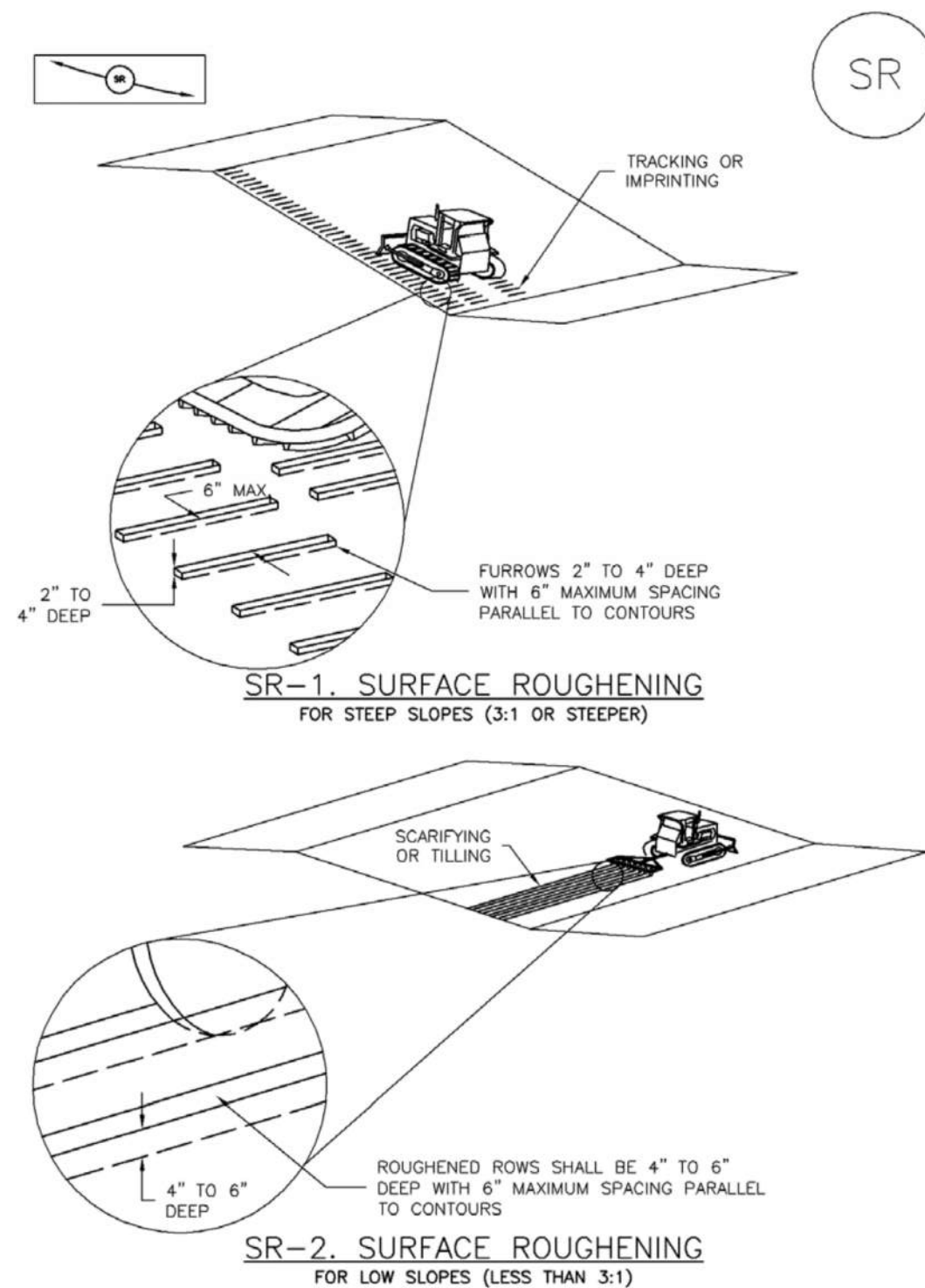
HRGreen
 HR GREEN - COLORADO SPRINGS
 1975 RESEARCH PARKWAY SUITE 160
 COLORADO SPRINGS, CO 80920
 PHONE: 719.300.4140
 FAX: 713.965.0044

**FLYING HORSE NORTH FILING 4
 PRI #2, LLC.**
 EL PASO COUNTY, CO

GRADING & EROSION CONTROL PLAN
 FINAL GEC

**SHEET
 GEC
 10**

Surface Roughening (SR) EC-1



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

Mulching (MU) EC-4

Description

Mulching consists of evenly applying straw, hay, shredded wood mulch, rock, bark or compost to disturbed soils and securing the mulch by crimping, tackifiers, netting or other measures.



Photograph MU-1. An area that was recently seeded, mulched, and crimped.

Mulch can be applied either using standard mechanical dry application methods or using hydromulching equipment that hydraulically applies a slurry of water, wood fiber mulch, and often a tackifier.

Appropriate Uses

Use mulch in conjunction with seeding to help protect the seedbed and stabilize the soil. Mulch can also be used as a temporary cover on low to mild slopes to help temporarily stabilize disturbed areas where growing season constraints prevent effective reseeding.

Standard dry mulching is encouraged in most jurisdictions; however, hydromulching may not be allowed in certain jurisdictions or may not be allowed near waterways.

Do not apply mulch during windy conditions.

Design and Installation

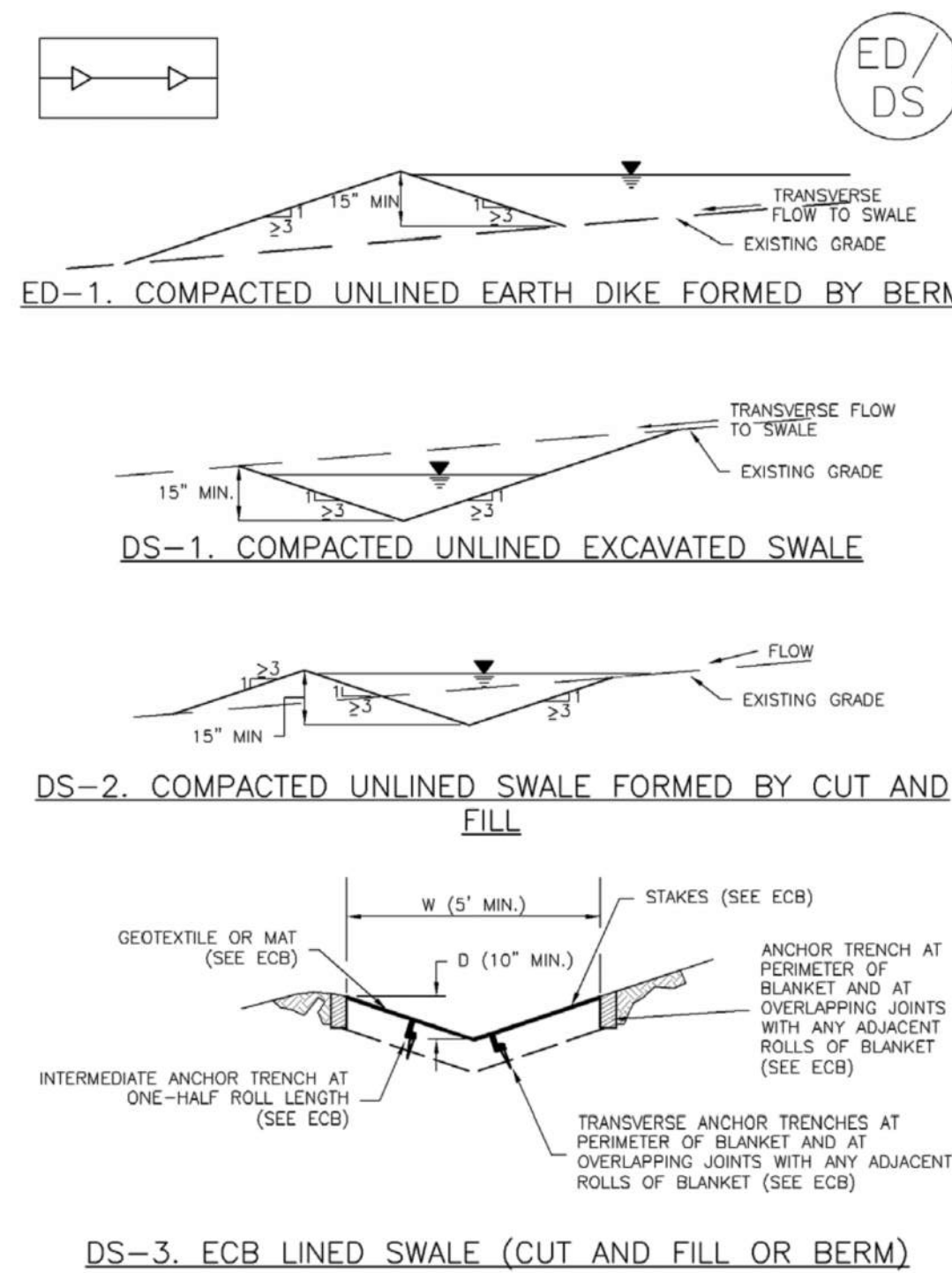
Prior to mulching, surface-roughen areas by rolling with a crimping or punching type roller or by track walking. Track walking should only be used where other methods are impractical because track walking with heavy equipment typically compacts the soil.

A variety of mulches can be used effectively at construction sites. Consider the following:

Table with 2 columns: Functions, Mulch. Rows include Erosion Control (Yes), Sediment Control (Moderate), and Site/Material Management (No).

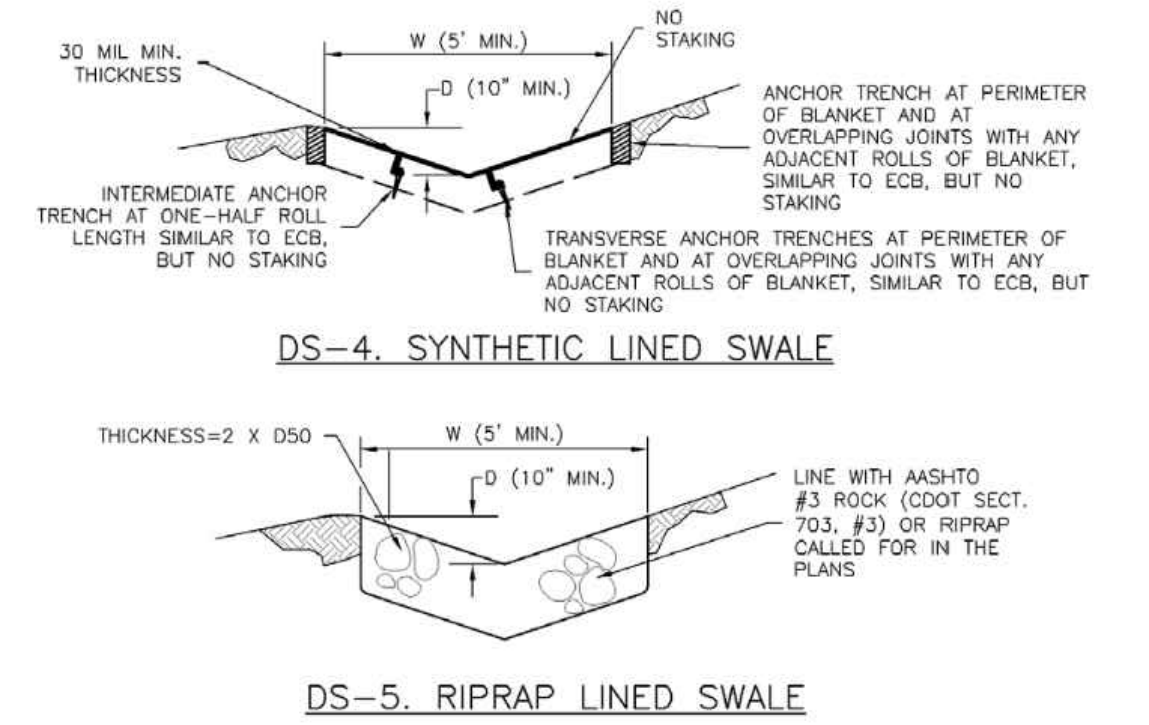
June 2012 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 MU-1

Earth Dikes and Drainage Swales (ED/DS) EC-10



November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 ED/DS-3

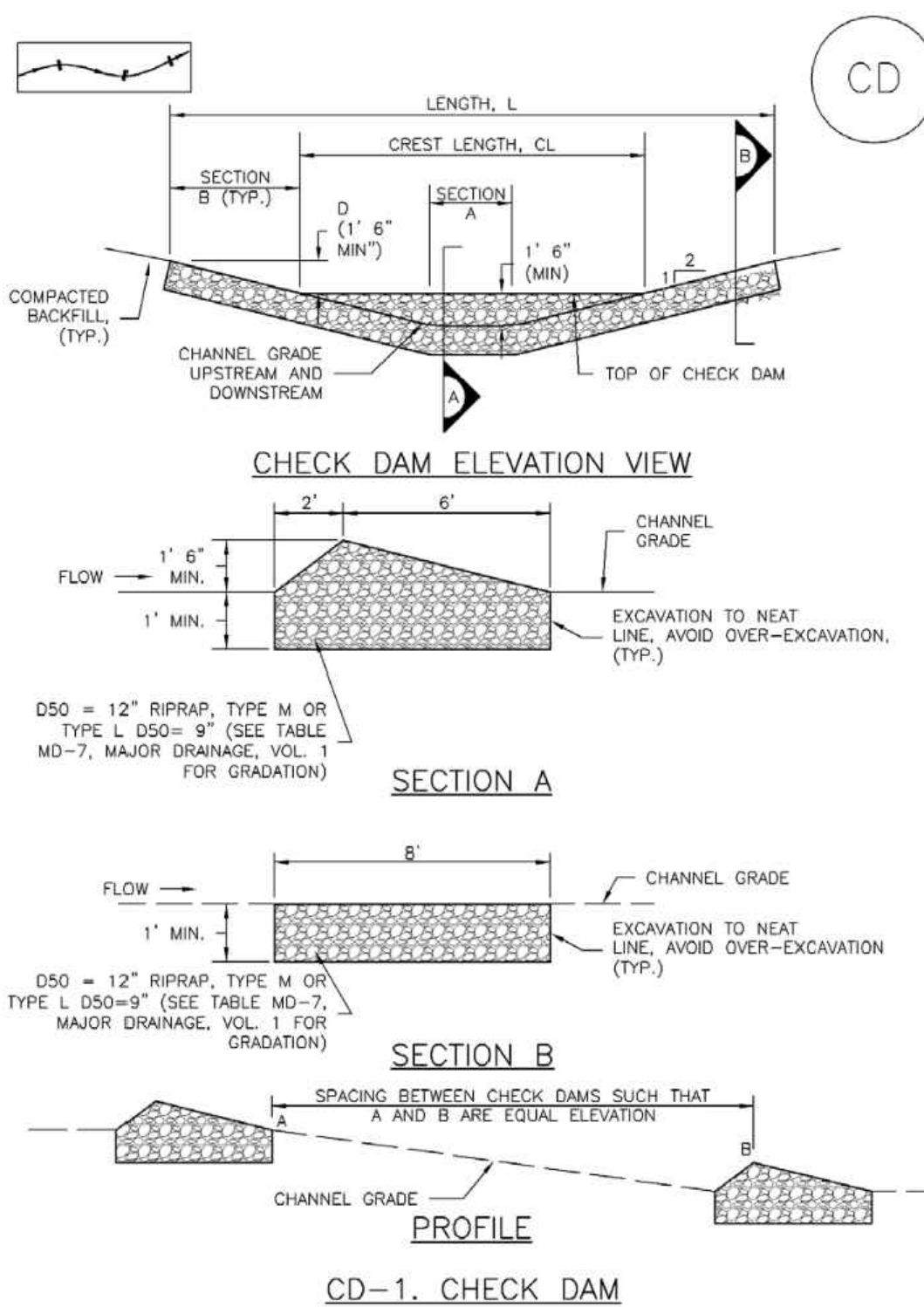
EC-10 Earth Dikes and Drainage Swales (ED/DS)



- EARTH DIKE AND DRAINAGE SWALE INSTALLATION NOTES: 1. SEE SITE PLAN FOR: LOCATION OF DIVERSION SWALE, TYPE OF SWALE, LENGTH OF EACH SWALE, DEPTH, D, AND WIDTH, W DIMENSIONS, FOR ECB/TRM LINED DITCH, FOR RIPRAP LINED DITCH, SIZE OF RIPRAP, D50. 2. SEE DRAINAGE PLANS FOR DETAILS OF PERMANENT CONVEYANCE FACILITIES AND/OR DIVERSION SWALES EXCEEDING 2-YEAR FLOW RATE OR 10 CFS. 3. EARTH DIKES AND SWALES INDICATED ON SWMP PLAN SHALL BE INSTALLED PRIOR TO LAND-DISTURBING ACTIVITIES IN PROXIMITY. 4. EMBANKMENT IS TO BE COMPACTED TO 90% OF MAXIMUM DENSITY AND WITHIN 2% OF OPTIMUM MOISTURE CONTENT ACCORDING TO ASTM D698. 5. SWALES ARE TO DRAIN TO A SEDIMENT CONTROL BMP. 6. FOR LINED DITCHES, INSTALLATION OF ECB/TRM SHALL CONFORM TO THE REQUIREMENTS OF THE ECB DETAIL. 7. WHEN CONSTRUCTION TRAFFIC MUST CROSS A DIVERSION SWALE, INSTALL A TEMPORARY CULVERT WITH A MINIMUM DIAMETER OF 12 INCHES.

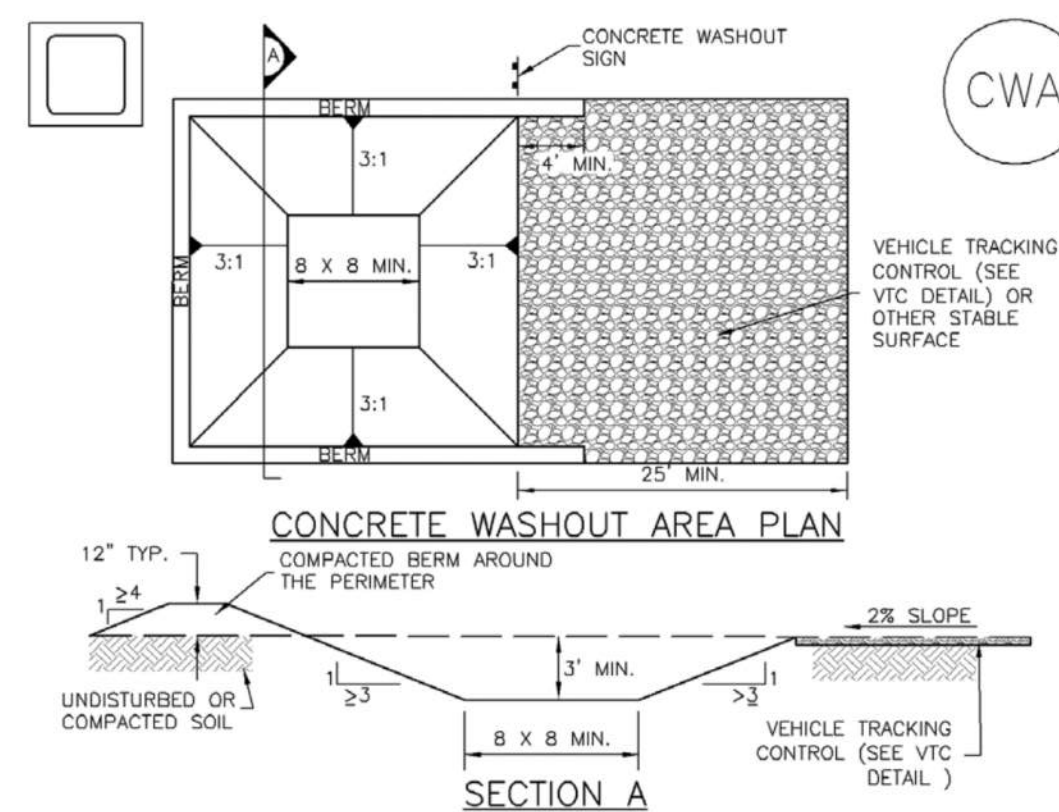
ED/DS-4 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010

Check Dams (CD) EC-12



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

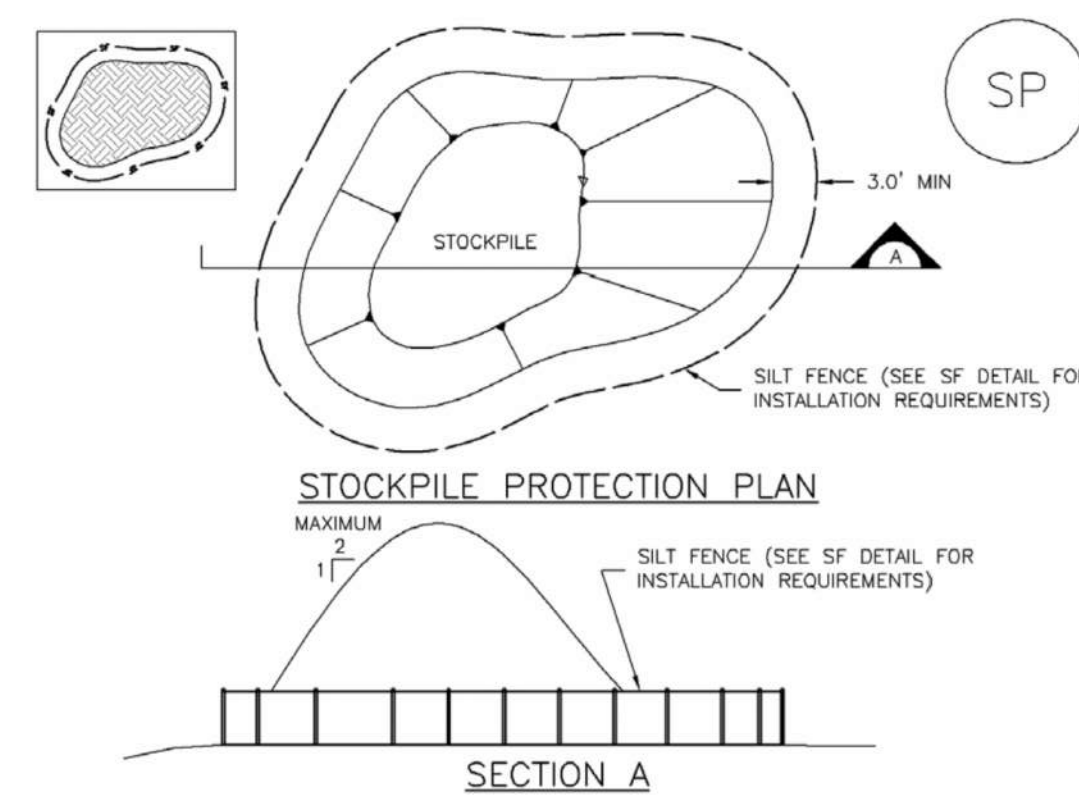
Concrete Washout Area (CWA) MM-1



- CWA-1. CONCRETE WASHOUT AREA CWA INSTALLATION NOTES: 1. SEE PLAN VIEW FOR: CWA INSTALLATION LOCATION. 2. DO NOT LOCATE AN UNLINED CWA WITHIN 400' OF ANY NATURAL DRAINAGE PATHWAY OR WATERBODY. DO NOT LOCATE WITHIN 1,000' OF ANY WELLS OR DRINKING WATER SOURCES. 3. THE CWA SHALL BE INSTALLED PRIOR TO CONCRETE PLACEMENT ON SITE. 4. CWA SHALL INCLUDE A FLAT SUBSURFACE PIT THAT IS AT LEAST 8' BY 8' SLOPES LEADING OUT OF THE SUBSURFACE PIT SHALL BE 3:1 OR FLATTER. THE PIT SHALL BE AT LEAST 3' DEEP. 5. BERM SURROUNDING SIDES AND BACK OF THE CWA SHALL HAVE MINIMUM HEIGHT OF 1'. 6. VEHICLE TRACKING PAD SHALL BE SLOPED 2% TOWARDS THE CWA. 7. SIGNS SHALL BE PLACED AT THE CONSTRUCTION ENTRANCE, AT THE CWA, AND ELSEWHERE AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CWA TO OPERATORS OF CONCRETE TRUCKS AND PUMP TRUCKS. 8. USE EXCAVATED MATERIAL FOR PERIMETER BERM CONSTRUCTION.

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

Stockpile Management (SP) MM-2



- SP-1. STOCKPILE PROTECTION STOCKPILE PROTECTION INSTALLATION NOTES: 1. SEE PLAN VIEW FOR: LOCATION OF STOCKPILES, TYPE OF STOCKPILE PROTECTION. 2. INSTALL PERIMETER CONTROLS IN ACCORDANCE WITH THEIR RESPECTIVE DESIGN DETAILS. 3. STABILIZE THE STOCKPILE SURFACE WITH SURFACE ROUGHENING, TEMPORARY SEEDING AND MULCHING, EROSION CONTROL BLANKETS, OR SOIL BINDERS. 4. FOR TEMPORARY STOCKPILES ON THE INTERIOR PORTION OF A CONSTRUCTION SITE, WHERE OTHER DOWNGRADE CONTROLS, INCLUDING PERIMETER CONTROL, ARE IN PLACE, STOCKPILE PERIMETER CONTROLS MAY NOT BE REQUIRED.

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

Table with 4 columns: NO., DATE, BY, REVISION DESCRIPTION.

Good Housekeeping Practices (GH) MM-3

Description

Implement construction site good housekeeping practices to prevent pollution associated with solid, liquid and hazardous construction-related materials and wastes. Stormwater Management Plans (SWMPs) should clearly specify BMPs including these good housekeeping practices:



- Provide for waste management.
- Establish proper building material staging areas.
- Designate paint and concrete washout areas.
- Establish proper equipment/vehicle fueling and maintenance practices.
- Control equipment/vehicle washing and allowable non-stormwater discharges.
- Develop a spill prevention and response plan.

Acknowledgement: This Fact Sheet is based directly on EPA guidance provided in *Developing Your Stormwater Pollution Prevention Plan (EPA 2007)*.

Photographs GH-1 and GH-2. Proper materials storage and secondary containment for fuel tanks are important good housekeeping practices. Photos courtesy of CDOT and City of Aurora.

Appropriate Uses

Good housekeeping practices are necessary at all construction sites.

Design and Installation

The following principles and actions should be addressed in SWMPs:

- **Provide for Waste Management.** Implement management procedures and practices to prevent or reduce the exposure and transport of pollutants in stormwater from solid, liquid and sanitary wastes that will be generated at the site. Practices such as trash disposal, recycling, proper material handling, and cleanup measures can reduce the potential for stormwater runoff to pick up construction site wastes and discharge them to surface waters. Implement a comprehensive set of waste-management practices for hazardous or toxic materials, such as paints, solvents, petroleum products, pesticides, wood preservatives, acids, roofing tar, and other materials. Practices should include storage, handling, inventory, and cleanup procedures, in case of spills. Specific practices that should be considered include:

Solid or Construction Waste

- Designate trash and bulk waste-collection areas on-site.

| Good Housekeeping | |
|--------------------------|-----|
| Functions | |
| Erosion Control | No |
| Sediment Control | No |
| Site/Material Management | Yes |

November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 GH-1

MM-3 Good Housekeeping Practices (GH)

- Recycle materials whenever possible (e.g., paper, wood, concrete, oil).
- Segregate and provide proper disposal options for hazardous material wastes.
- Clean up litter and debris from the construction site daily.
- Locate waste-collection areas away from streets, gutters, watercourses, and storm drains. Waste-collection areas (dumpsters, and such) are often best located near construction site entrances to minimize traffic on disturbed soils. Consider secondary containment around waste collection areas to minimize the likelihood of contaminated discharges.
- Empty waste containers before they are full and overflowing.

Sanitary and Septic Waste

- Provide convenient, well-maintained, and properly located toilet facilities on-site.
- Locate toilet facilities away from storm drain inlets and waterways to prevent accidental spills and contamination of stormwater.
- Maintain clean restroom facilities and empty portable toilets regularly.
- Where possible, provide secondary containment pans under portable toilets.
- Provide tie-downs or stake-downs for portable toilets.
- Educate employees, subcontractors, and suppliers on locations of facilities.
- Treat or dispose of sanitary and septic waste in accordance with state or local regulations. Do not discharge or bury wastewater at the construction site.
- Inspect facilities for leaks. If found, repair or replace immediately.
- Special care is necessary during maintenance (pump out) to ensure that waste and/or biocide are not spilled on the ground.

Hazardous Materials and Wastes

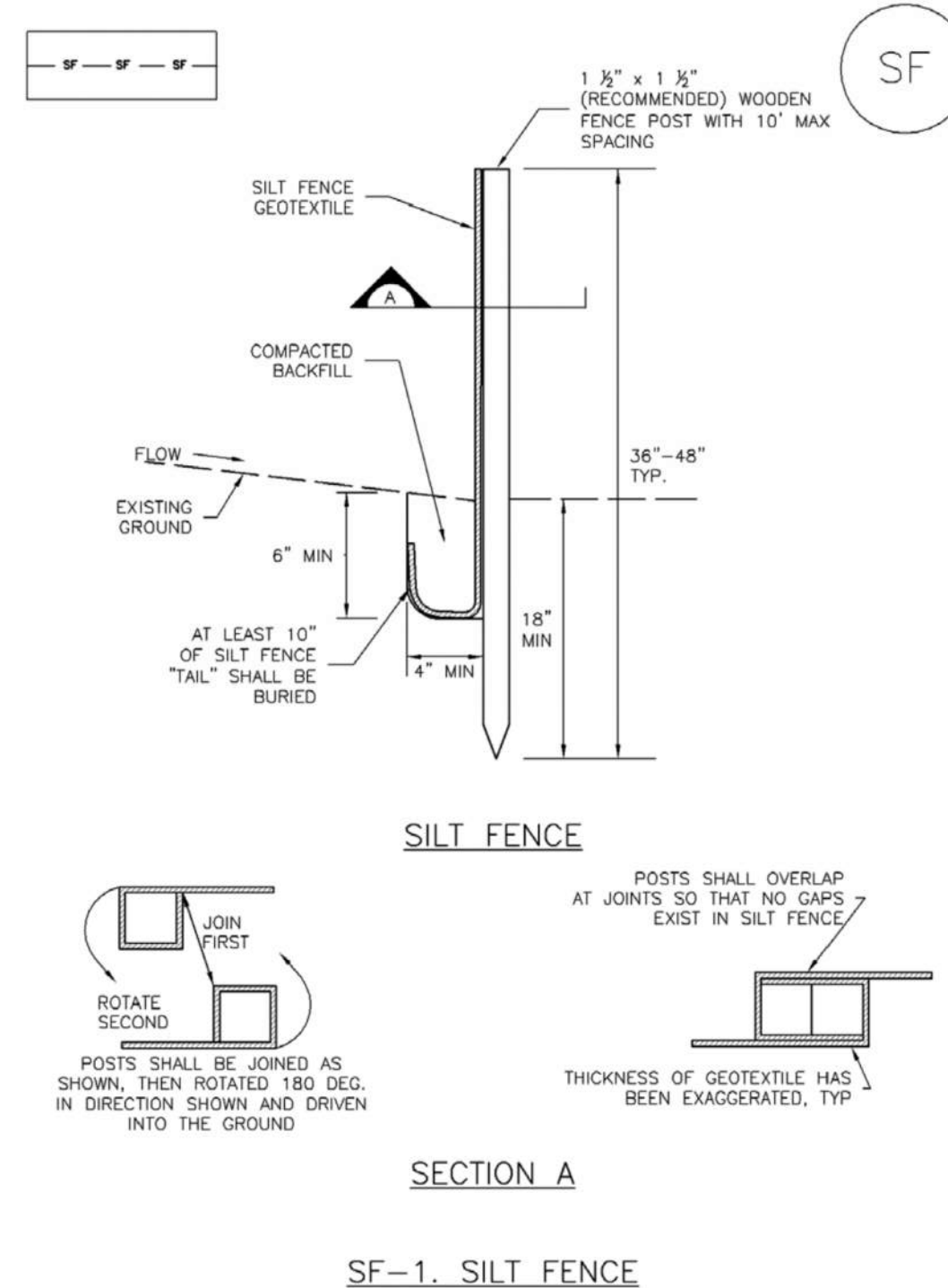
- Develop and implement employee and subcontractor education, as needed, on hazardous and toxic waste handling, storage, disposal, and cleanup.
- Designate hazardous waste-collection areas on-site.
- Place all hazardous and toxic material wastes in secondary containment.



Photograph GH-3. Locate portable toilet facilities on level surfaces away from waterways and storm drains. Photo courtesy of WVE.

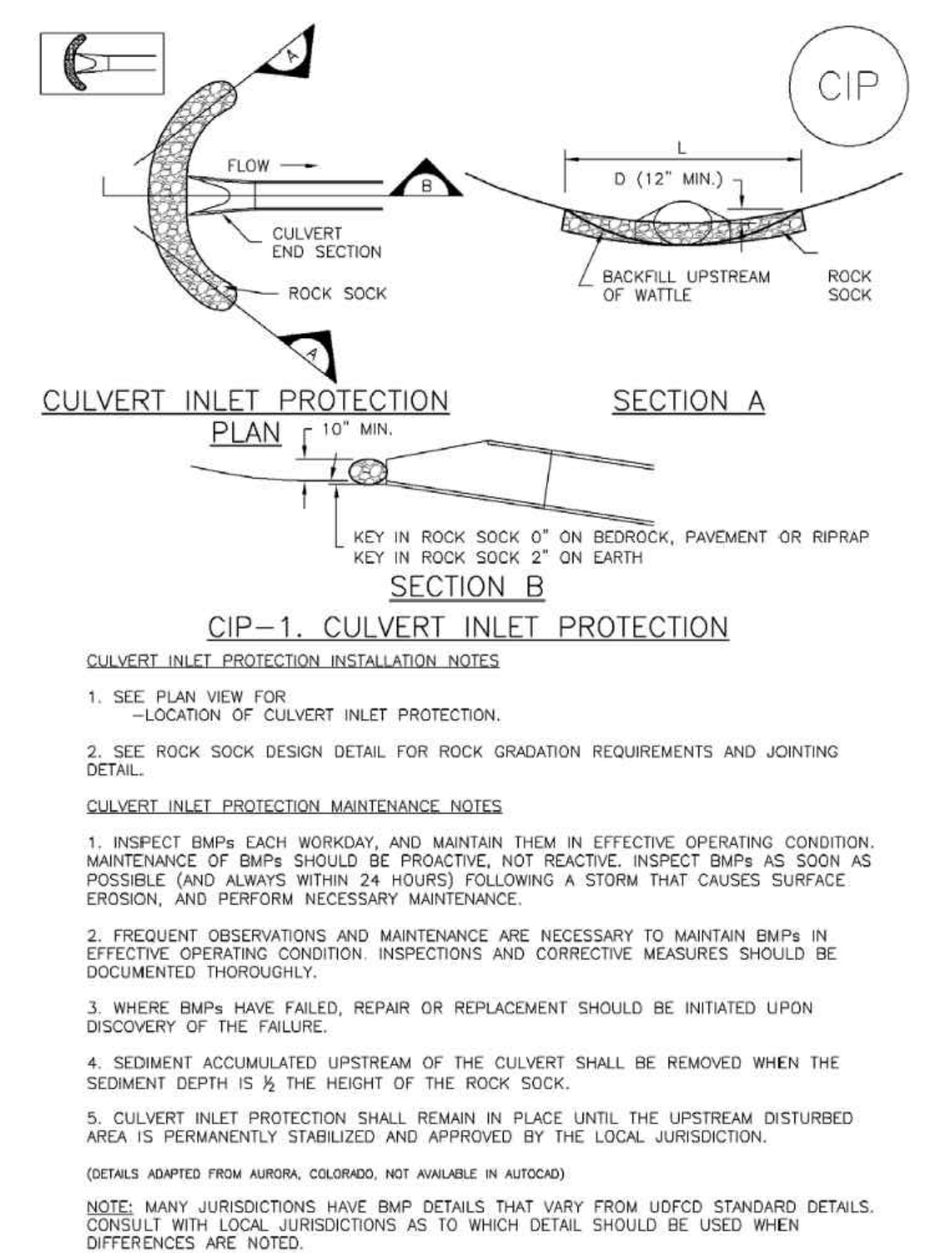
GH-2 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010

Silt Fence (SF) SC-1



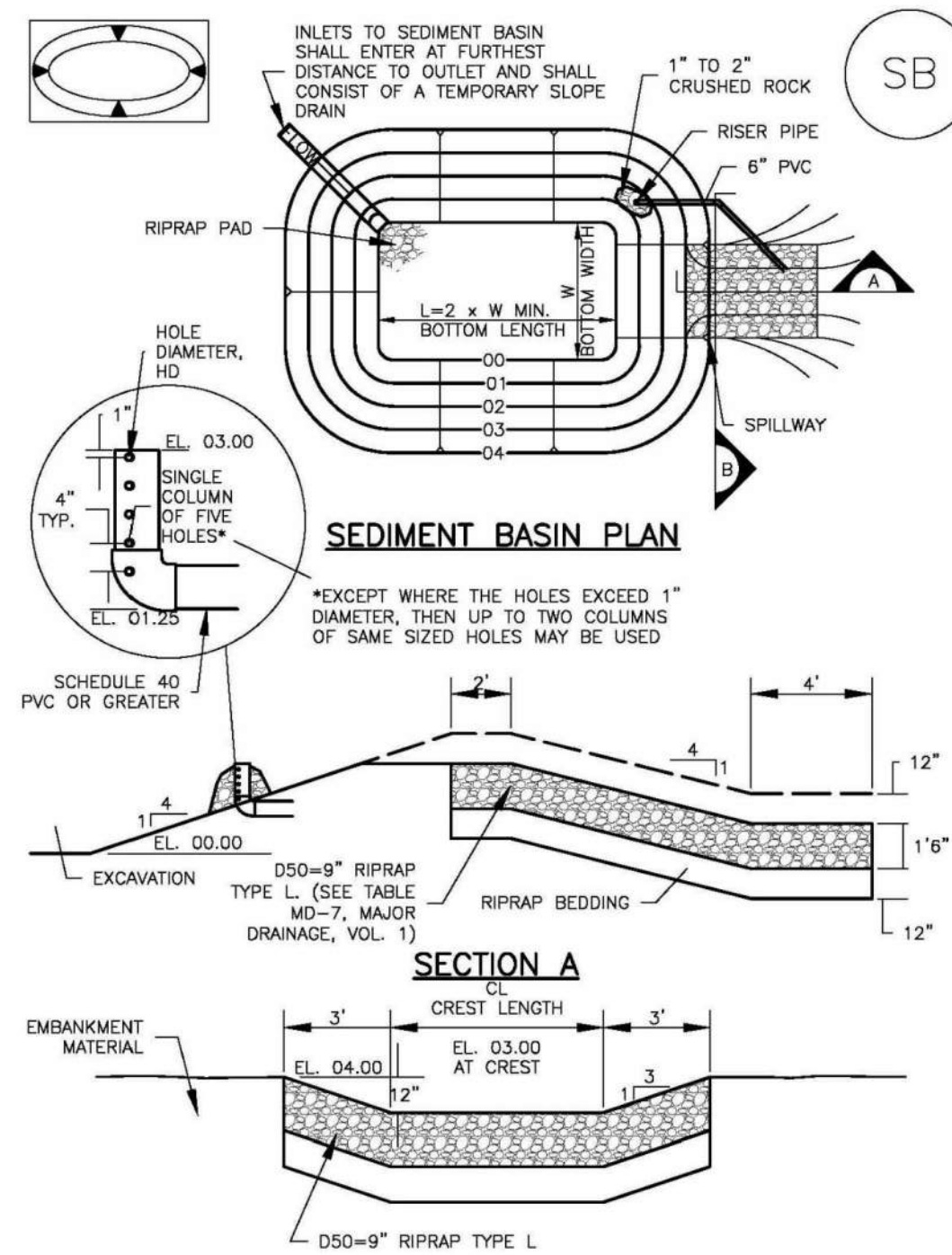
November 2010 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SF-3

Inlet Protection (IP) SC-6



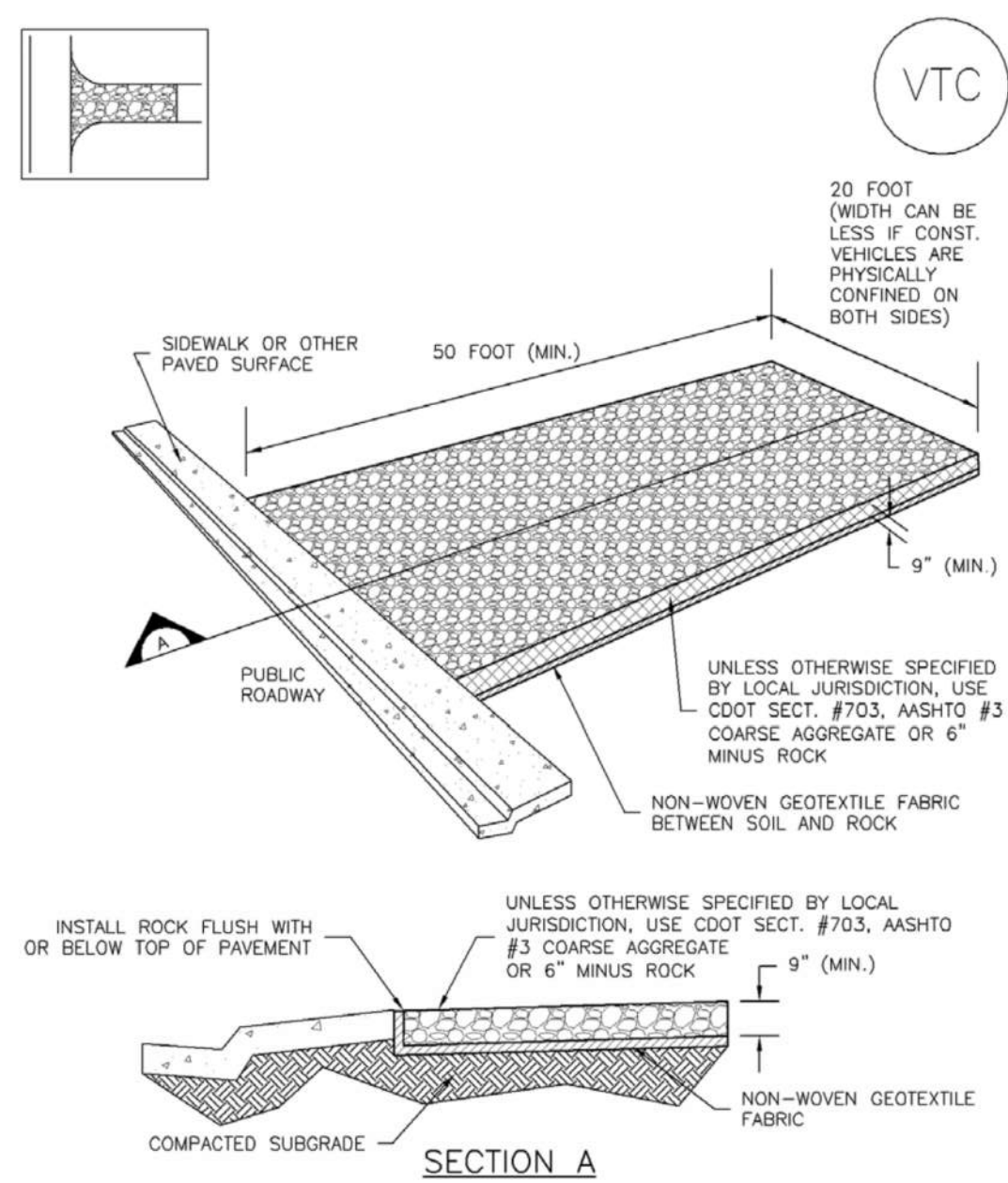
August 2013 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 IP-7

Sediment Basin (SB) SC-7



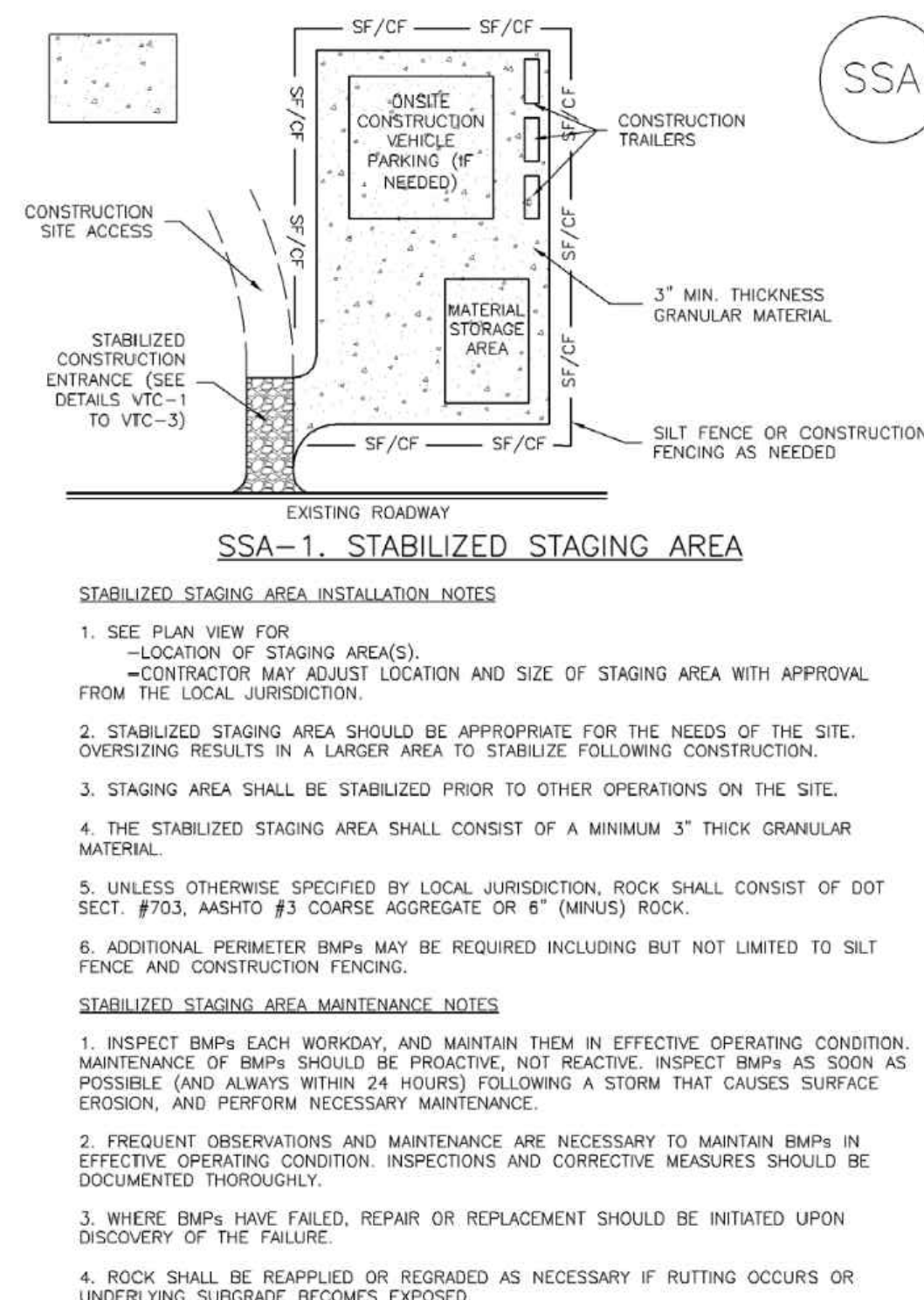
August 2013 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 SB-5

Vehicle Tracking Control (VTC) SM-4



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

Stabilized Staging Area (SSA) SM-6



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

| | | |
|--|------------------------|--|
| DRAWN BY: AMC | JOB DATE: 9/4/2024 | BAR IS ONE INCH ON OFFICIAL DRAWINGS. |
| APPROVED: RDL | JOB NUMBER: 211030.240 | 0" = 1" |
| CAD DATE: 9/13/2024 | | IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY. |
| CAD FILE: J:\2021\211030\CAD\Drawings\C\filling_No_4\GEC\GEC-Details | | |

| NO. | DATE | BY | REVISION DESCRIPTION |
|-----|------|----|----------------------|
| | | | |
| | | | |

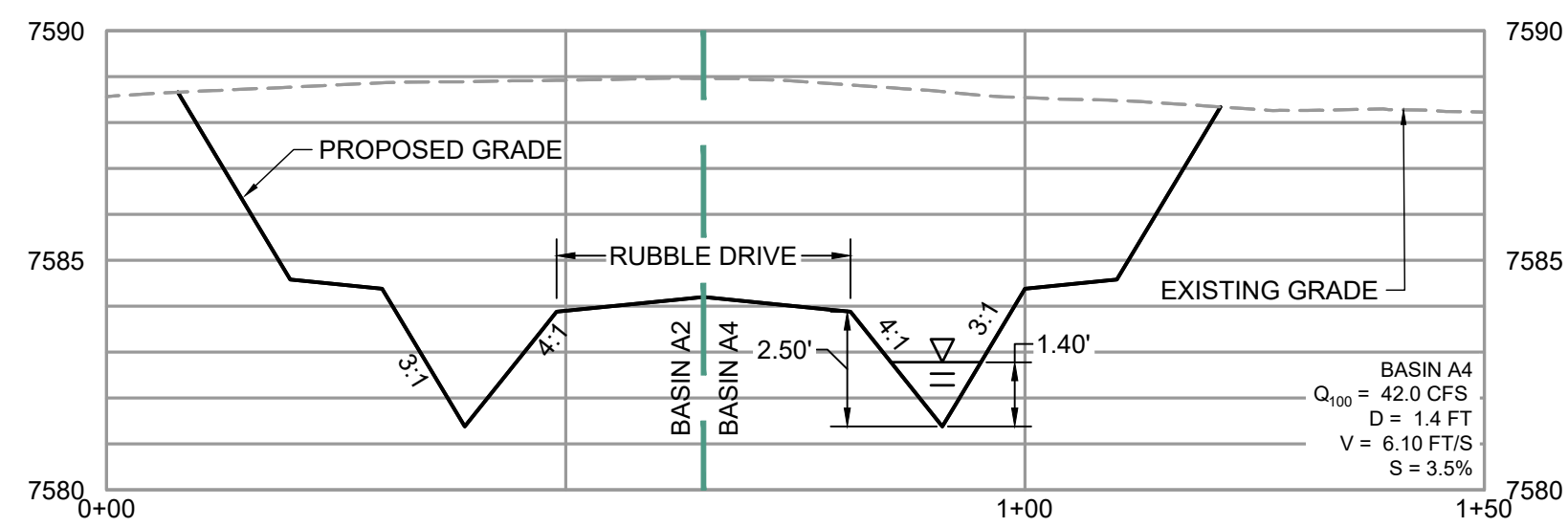
HRGreen
 HR GREEN - COLORADO SPRINGS
 1975 RESEARCH PARKWAY SUITE 160
 COLORADO SPRINGS, CO 80920
 PHONE: 719.300.4140
 FAX: 713.965.0044

**FLYING HORSE NORTH FILING 4
 PRI #2, LLC.
 EL PASO COUNTY, CO**

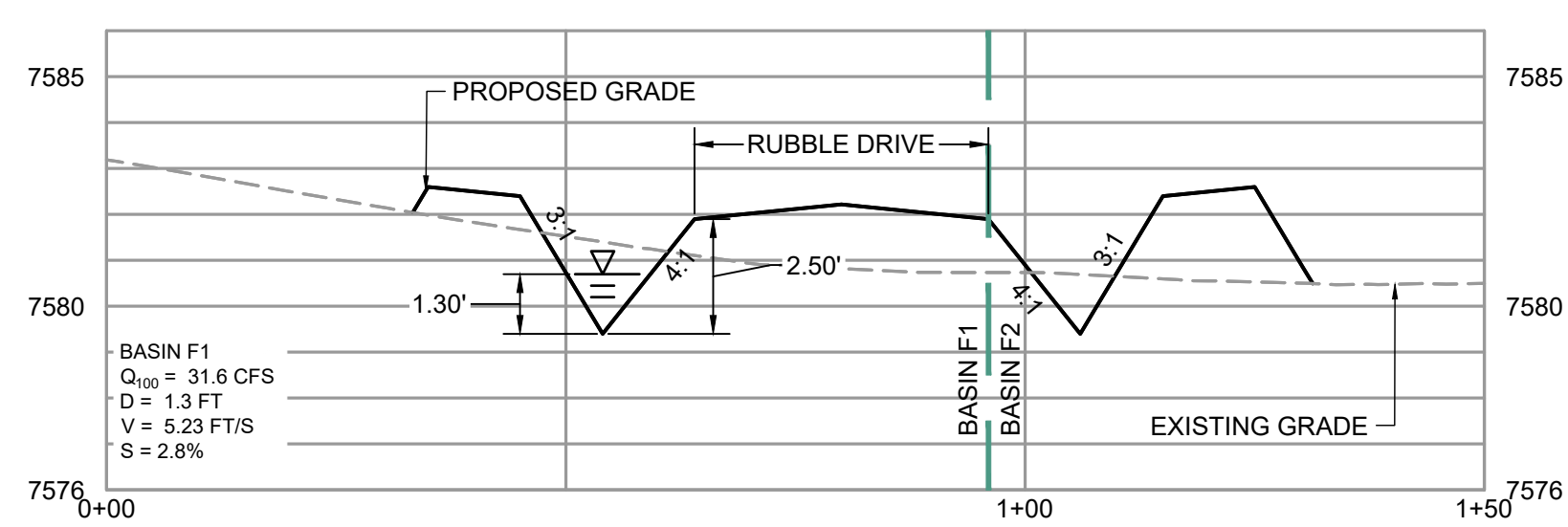
**GRADING & EROSION CONTROL PLAN
 DETAILS**

**SHEET
 DT
 12**

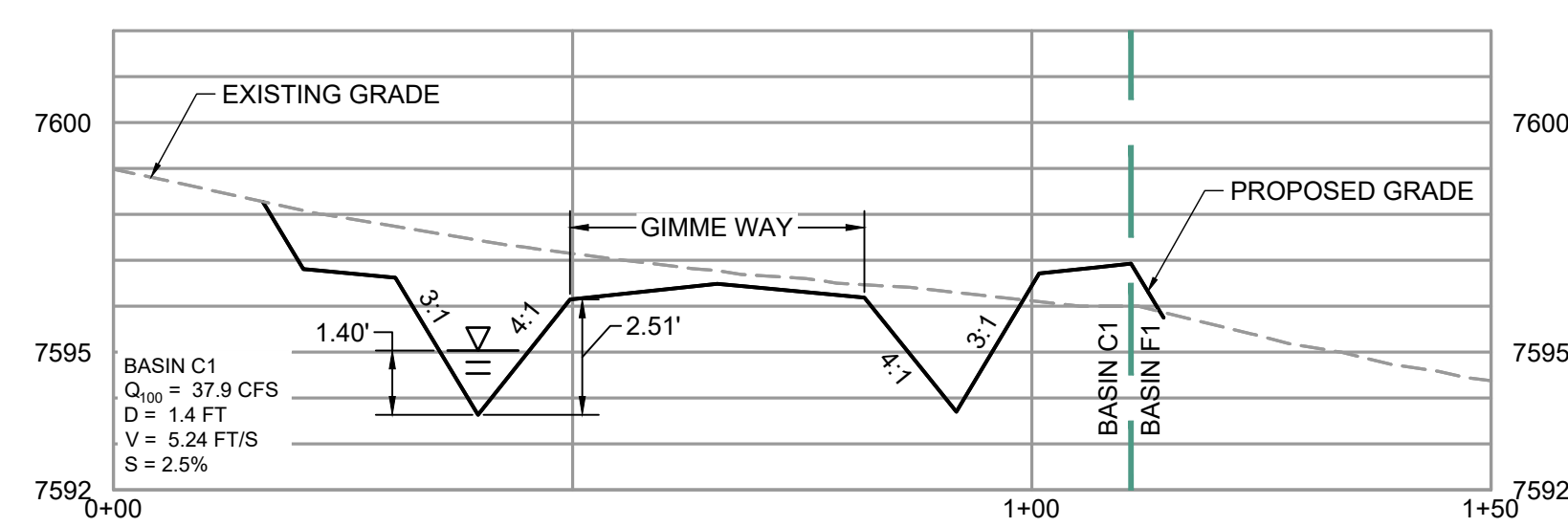
STREET SECTION A1



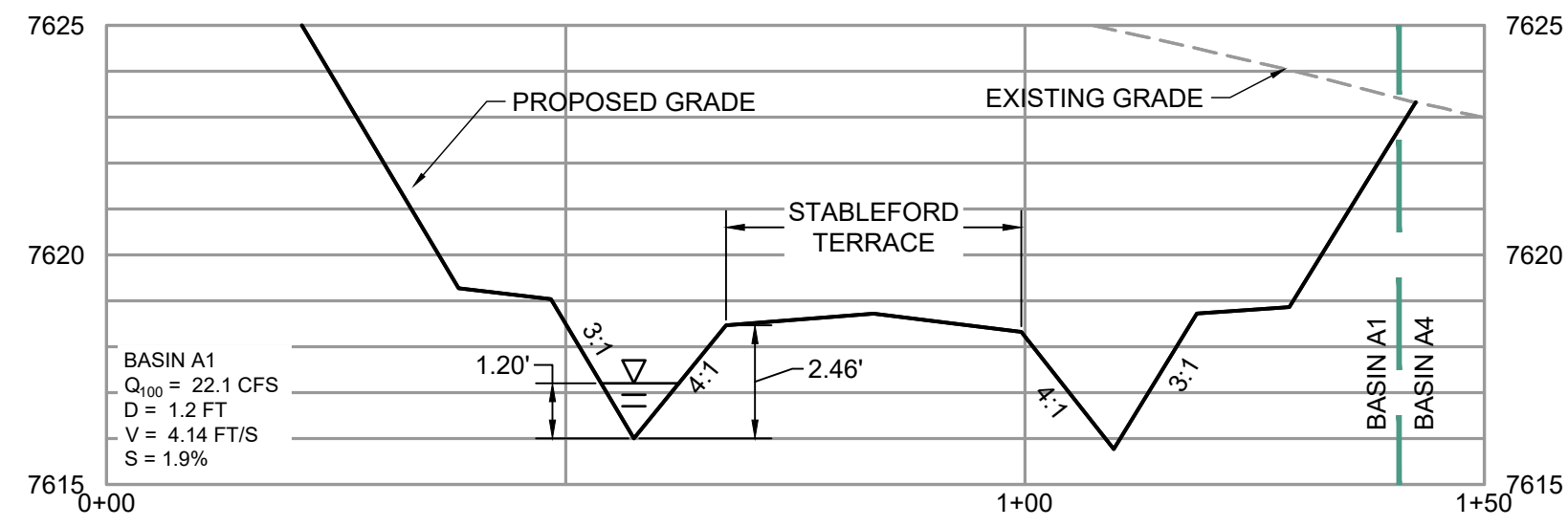
STREET SECTION A2



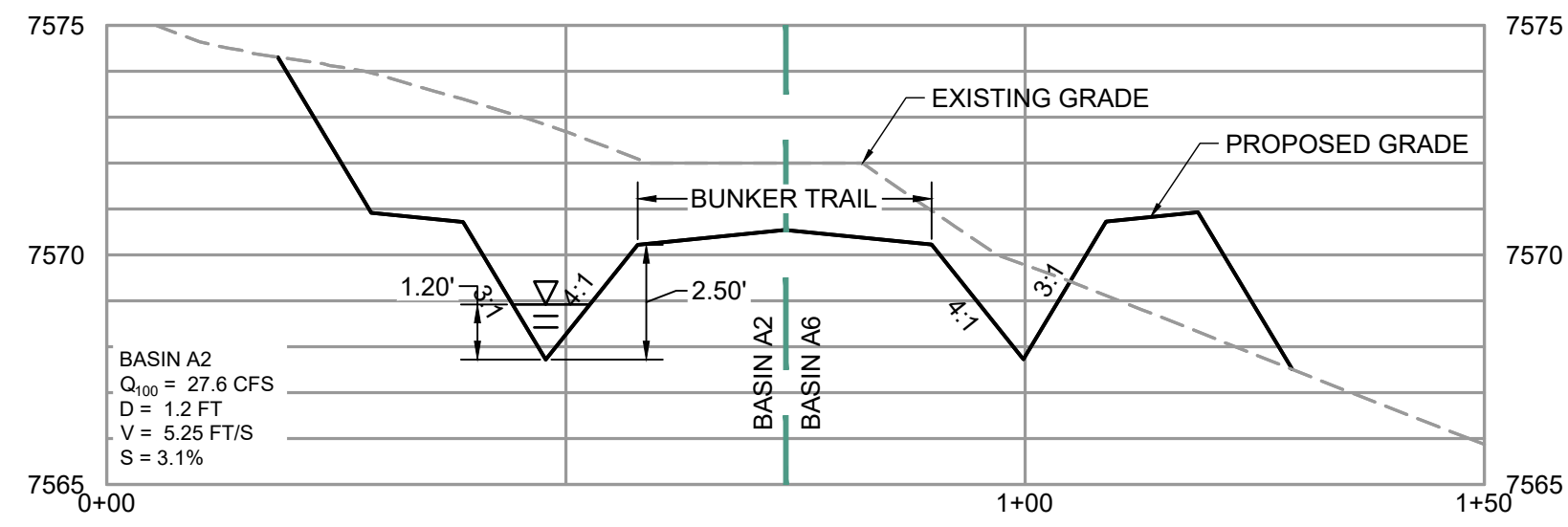
STREET SECTION B



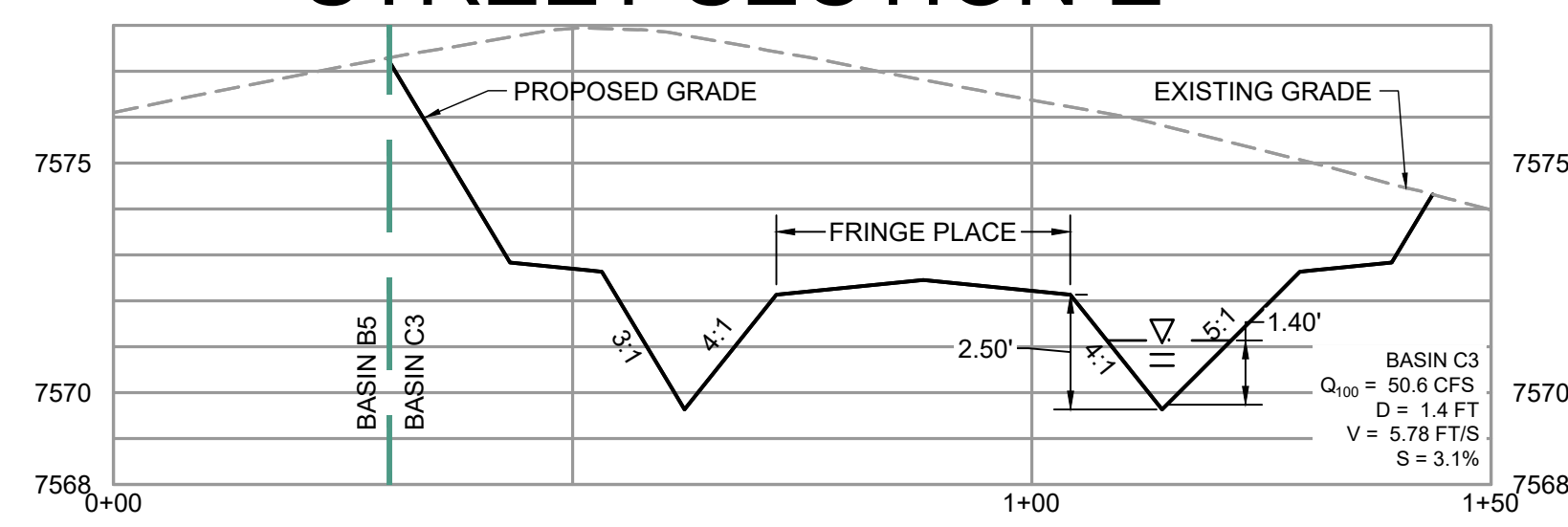
STREET SECTION C



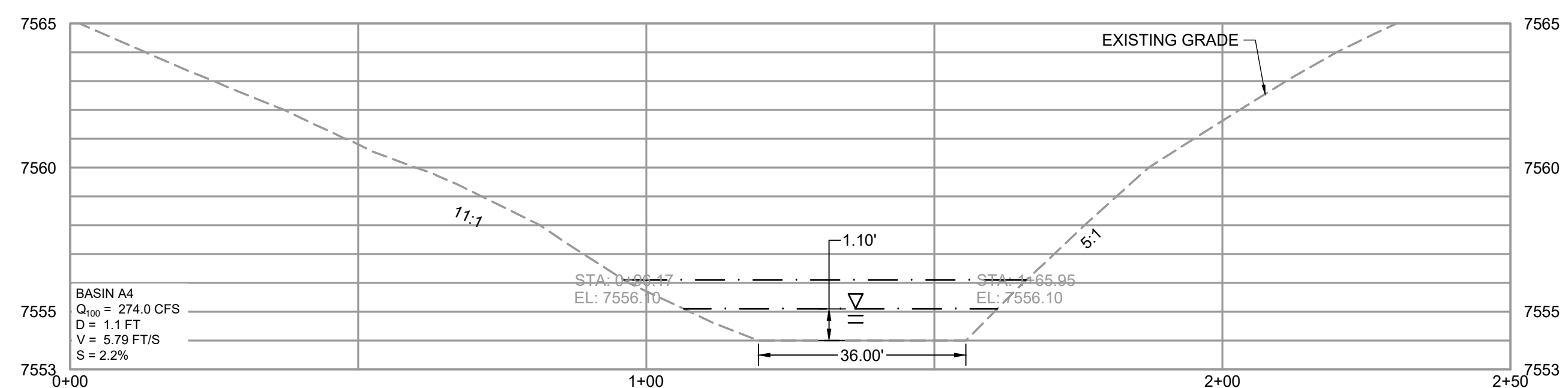
STREET SECTION D



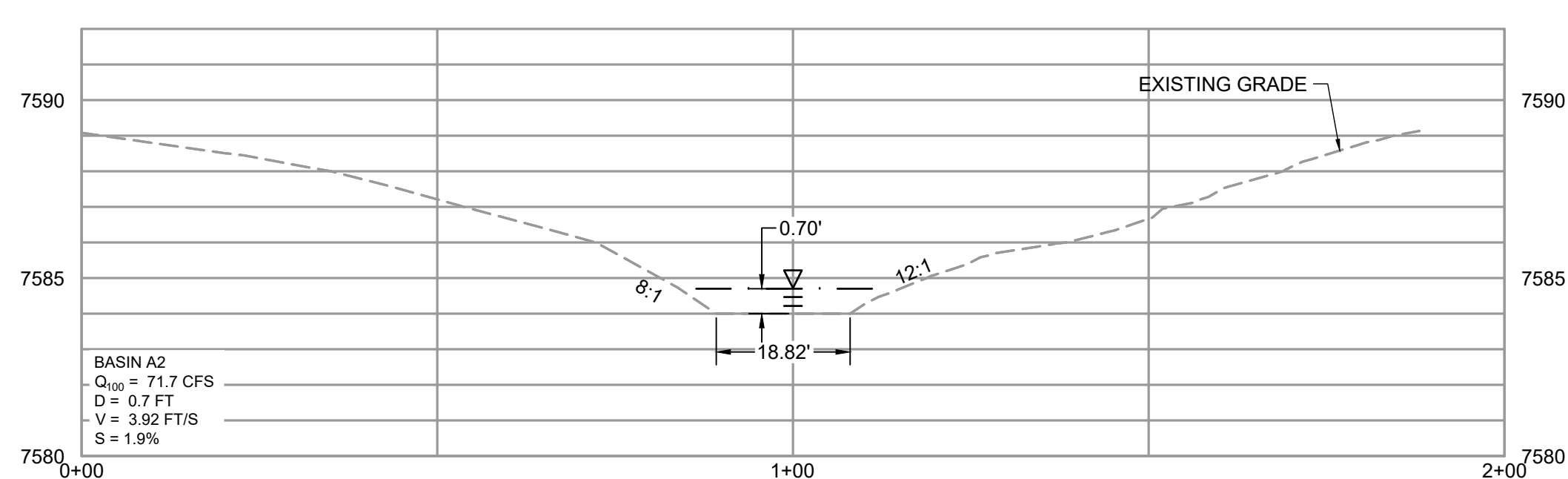
STREET SECTION E



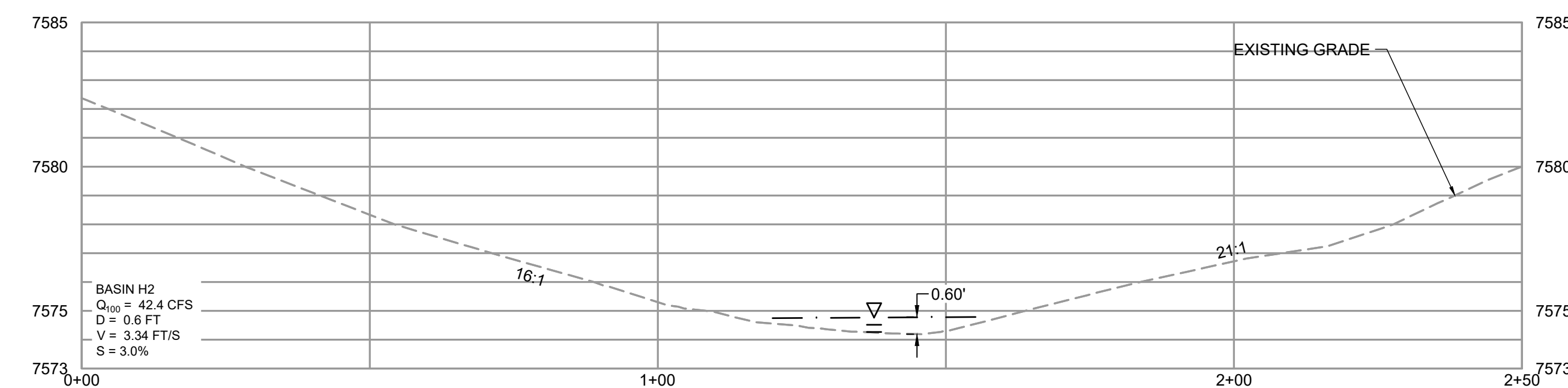
SECTION A-A



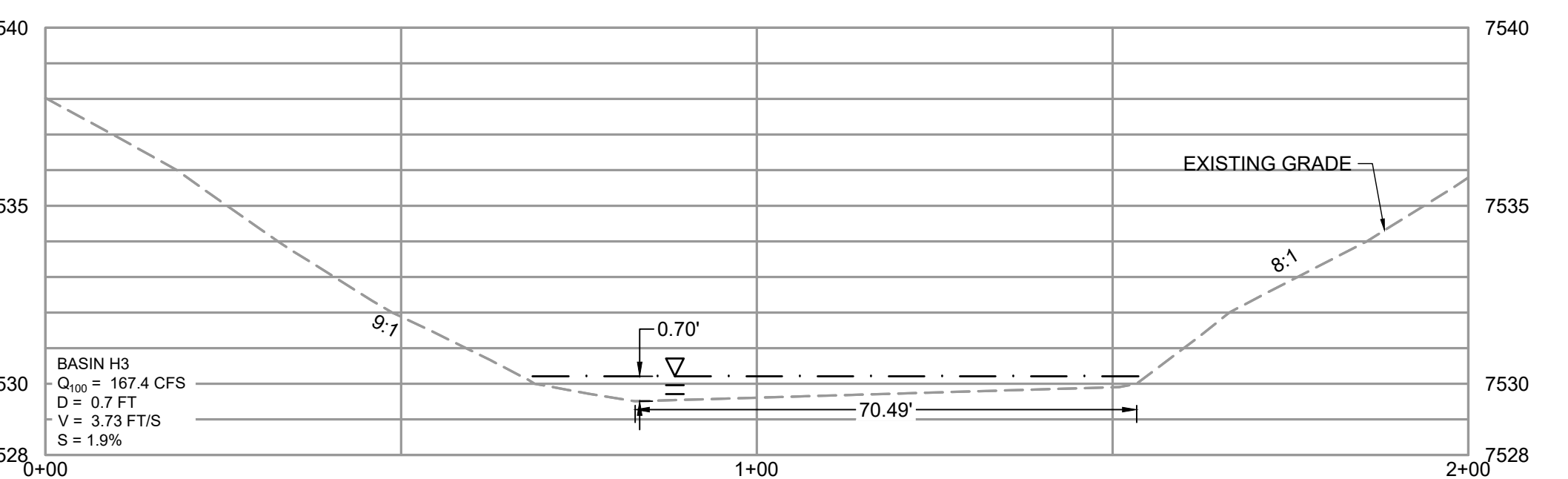
SECTION B-B



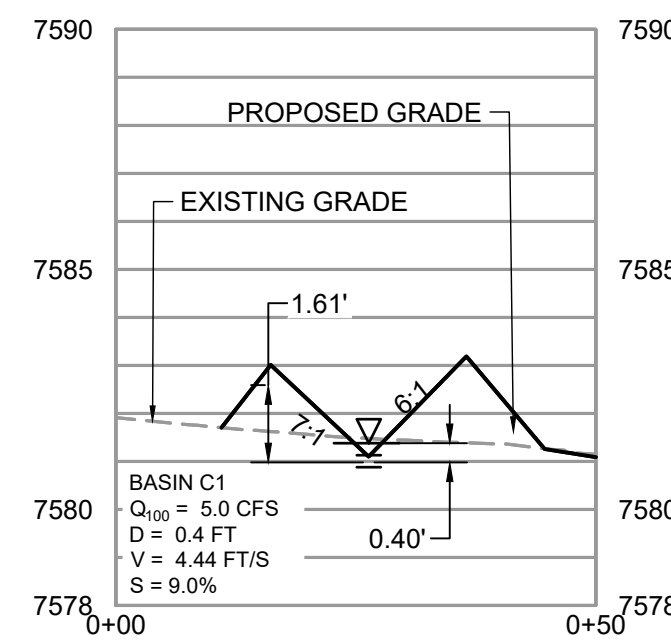
SECTION C-C



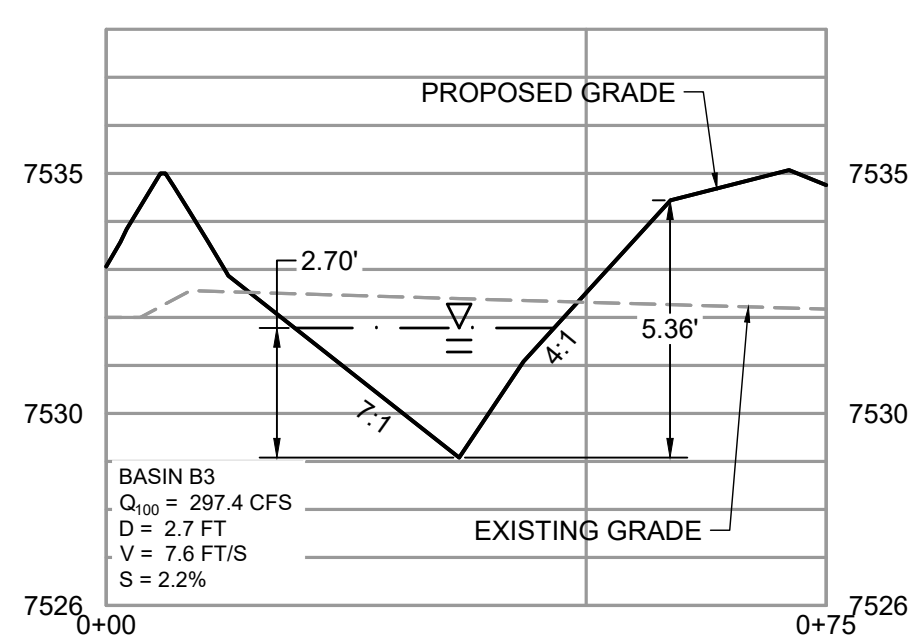
SECTION D-D



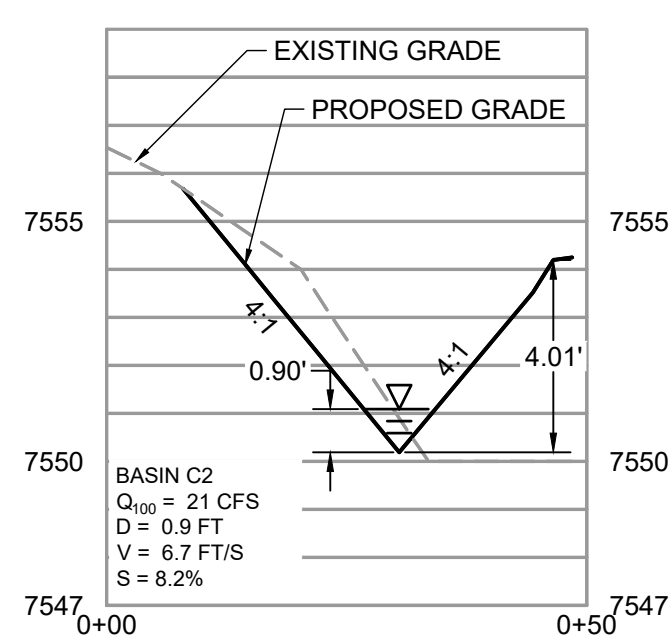
SECTION E-E



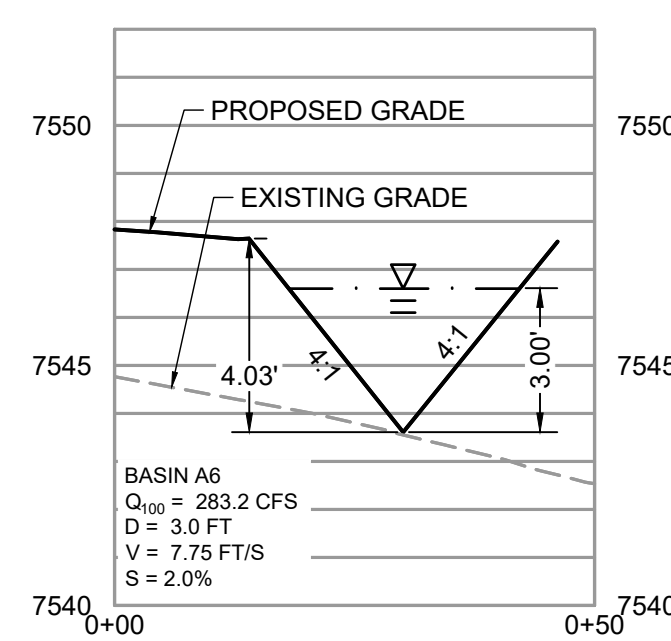
SECTION F-F



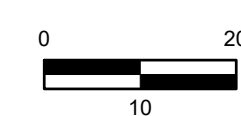
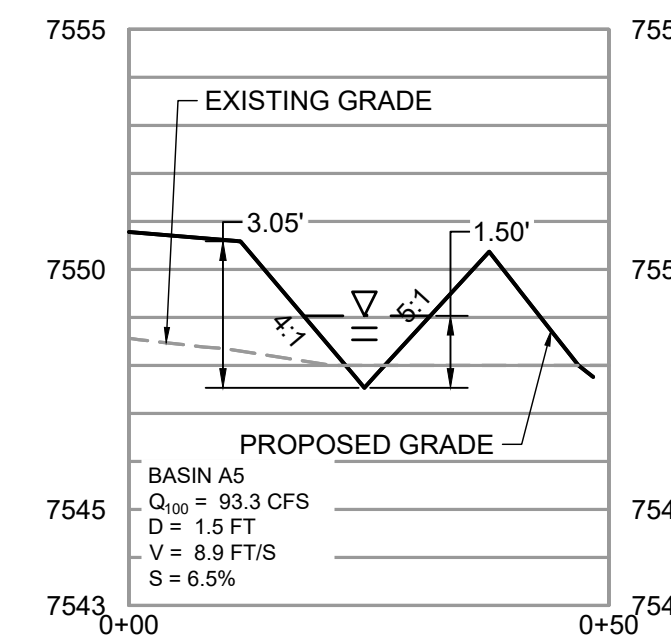
SECTION G-G



SECTION H-H



SECTION I-I



DRAWN BY: TMM JOB DATE: 9/13/2024
 APPROVED: RHL JOB NUMBER: 210742.24
 CAD DATE: 9/5/2024
 CAD FILE: J:\2021\211030\CAD\Drawings\C\Drainage\FDR Filing 4\FHN_FN4_FDR

| NO. | DATE | BY | REVISION DESCRIPTION |
|-----|------|----|----------------------|
| | | | |
| | | | |

HRGreen
 HR GREEN - COLORADO SPRINGS
 1975 RESEARCH PARKWAY SUITE 160
 COLORADO SPRINGS, CO 80920
 PHONE: 719.300.4140
 FAX: 713.965.0044

FLYING HORSE NORTH FILING 4
 PRI #2, LLC.
 EL PASO COUNTY, CO

GRADING & EROSION CONTROL PLAN
 DEVELOPED CONDITIONS DRAINAGE MAP

SHEET
GEC
 13