

GEC LEGEND:

	SF SILT FENCE	PHASE:	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 1 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 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 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

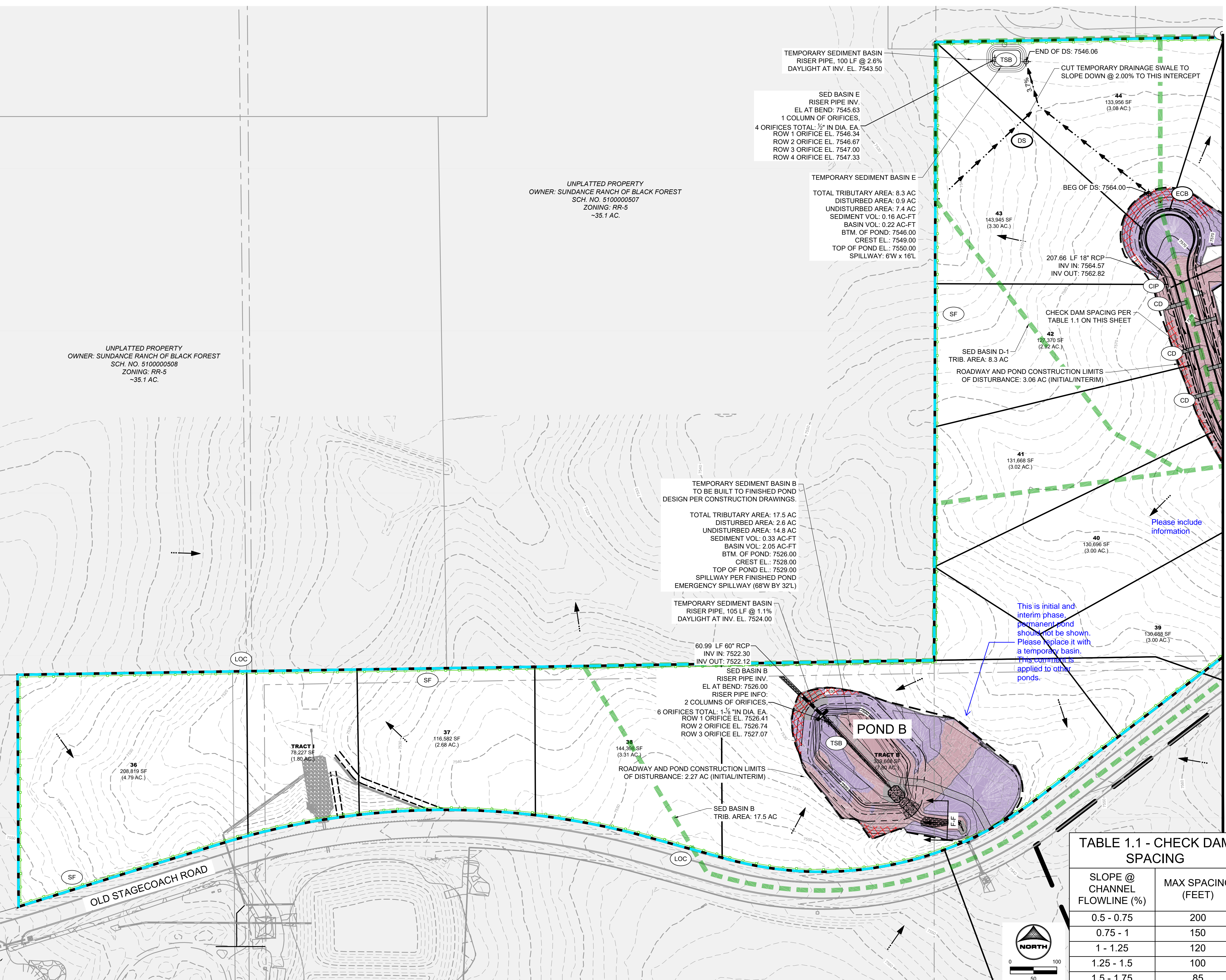
CUT FACTOR: 1.00
FILL FACTOR: 1.15
CUT VOLUME(ADJUSTED): 81518.15 CUBIC YARDS
FILL VOLUME(ADJUSTED): 85253.47 CUBIC YARDS
NET VOLUME(ADJUSTED): 3735.33(FILL) CUBIC YARDS

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 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')

TEMPORARY SEDIMENT BASIN E
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

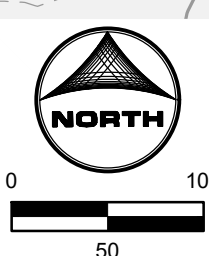
TEMPORARY SEDIMENT BASIN E
TOTAL TRIBUTARY AREA: 8.3 AC
DISTURBED AREA: 0.9 AC
UNDISTURBED AREA: 7.4 AC
SEDIMENT VOL.: 0.16 AC-FT
BASIN VOL.: 0.22 AC-FT
BTM. OF POND: 7546.00
CREST EL.: 7549.00
TOP OF POND EL.: 7550.00
SPILLWAY: 6'W x 16'L

TEMPORARY SEDIMENT BASIN
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

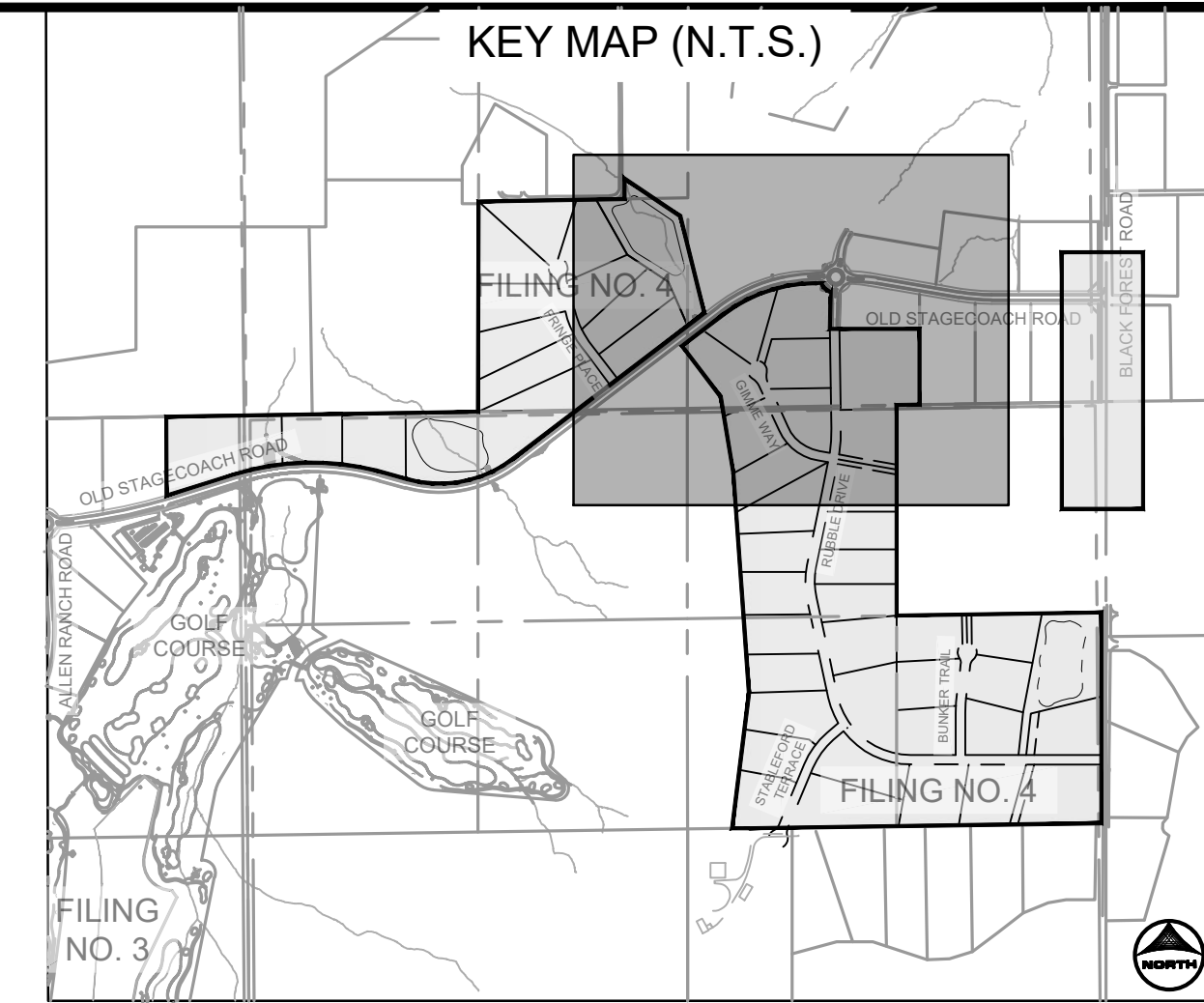
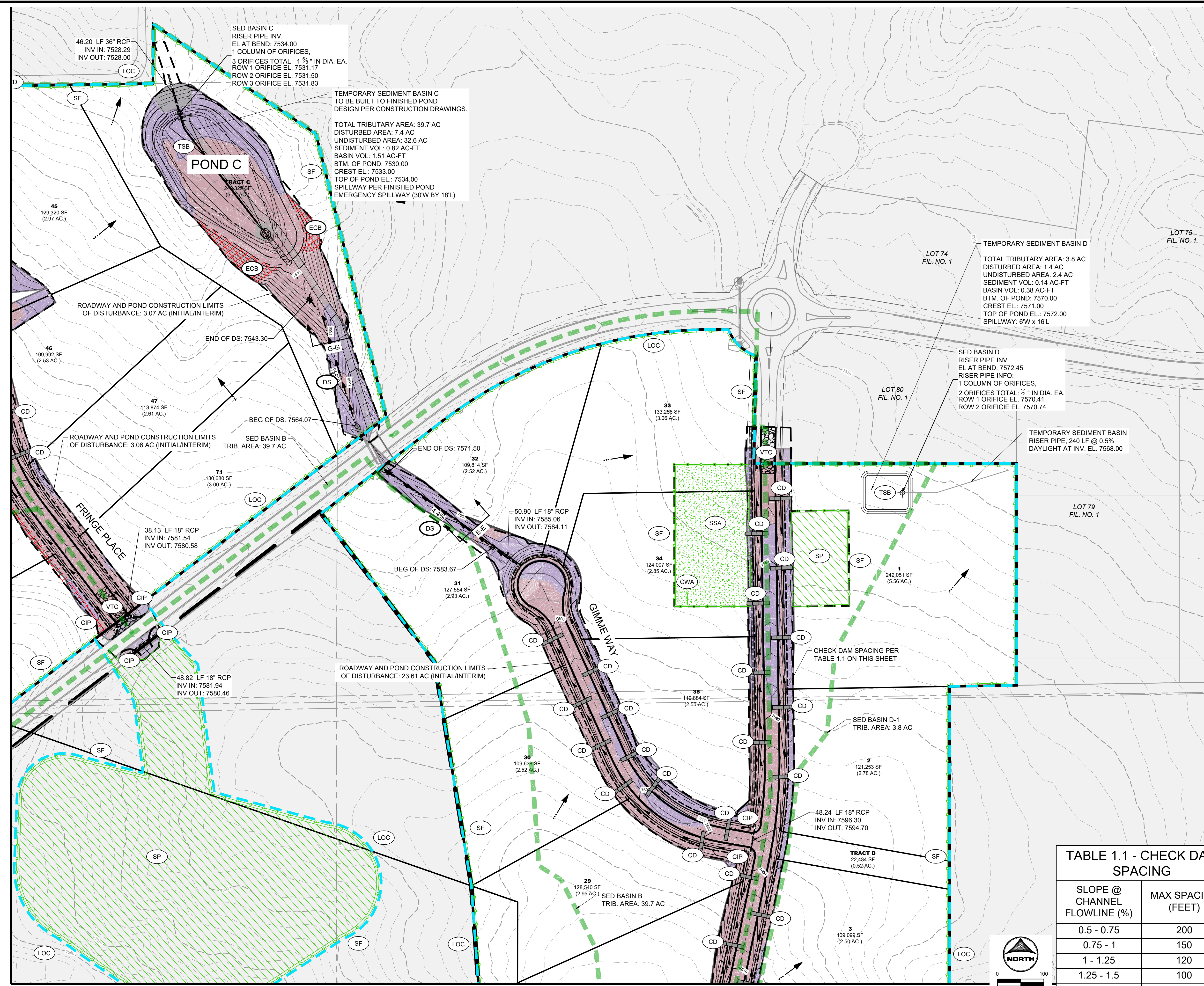
ROADWAY AND POND CONSTRUCTION LIMITS
OF DISTURBANCE: 2.27 AC (INITIAL/INTERIM)

SED BASIN B
TRIB. AREA: 17.5 AC



MATCHLINE SEE SHEET 4

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" = 11'
 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

CULIG, ABBEY, 9/13/2024, 10:12 AM

MATCHLINE SEE SHEET 4

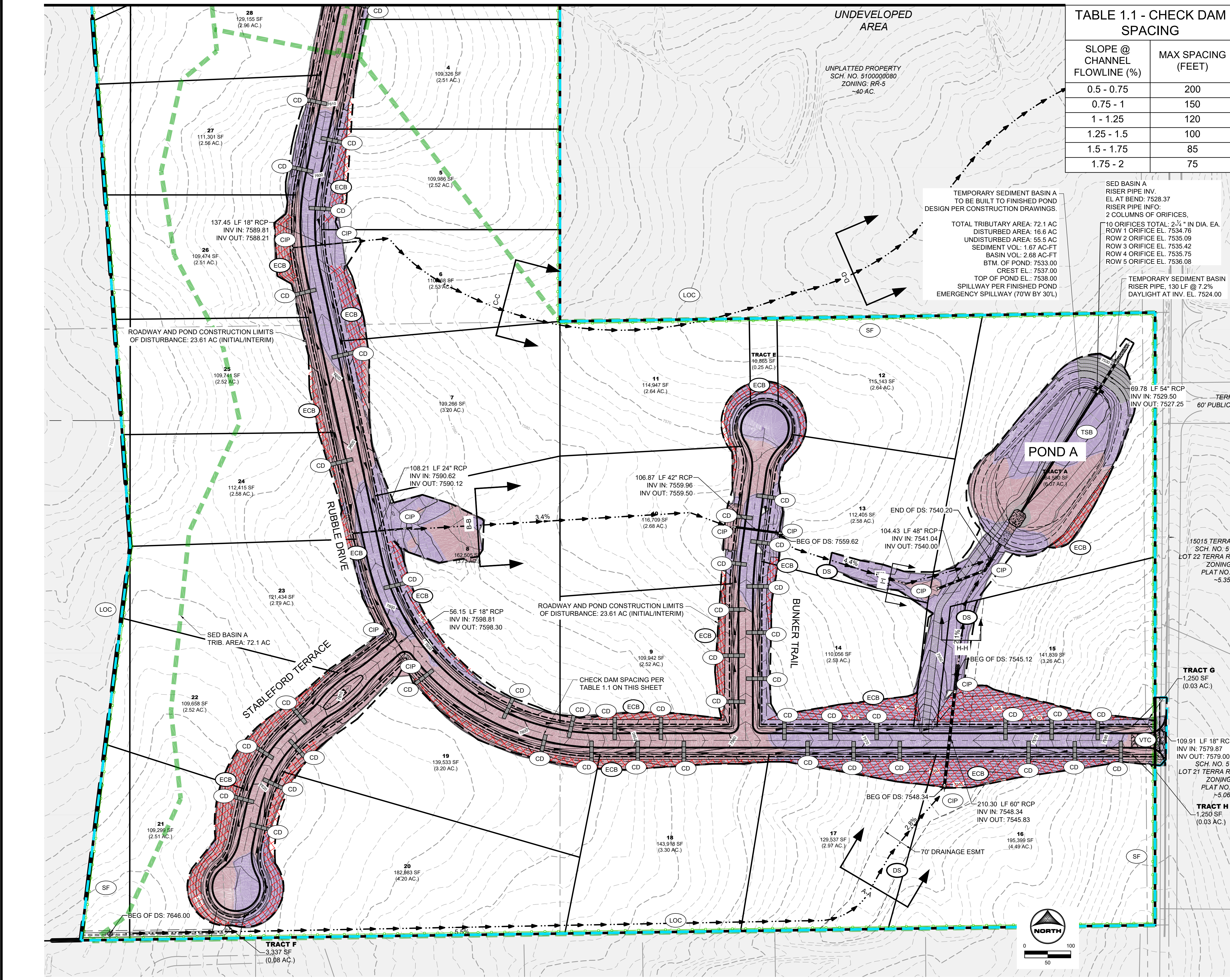


TABLE 1.1 - CHECK DAM SPACING

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

UNPLATTED PROPERTY
SCH. NO. 5100000080
ZONING: RR-5
~40 AC.

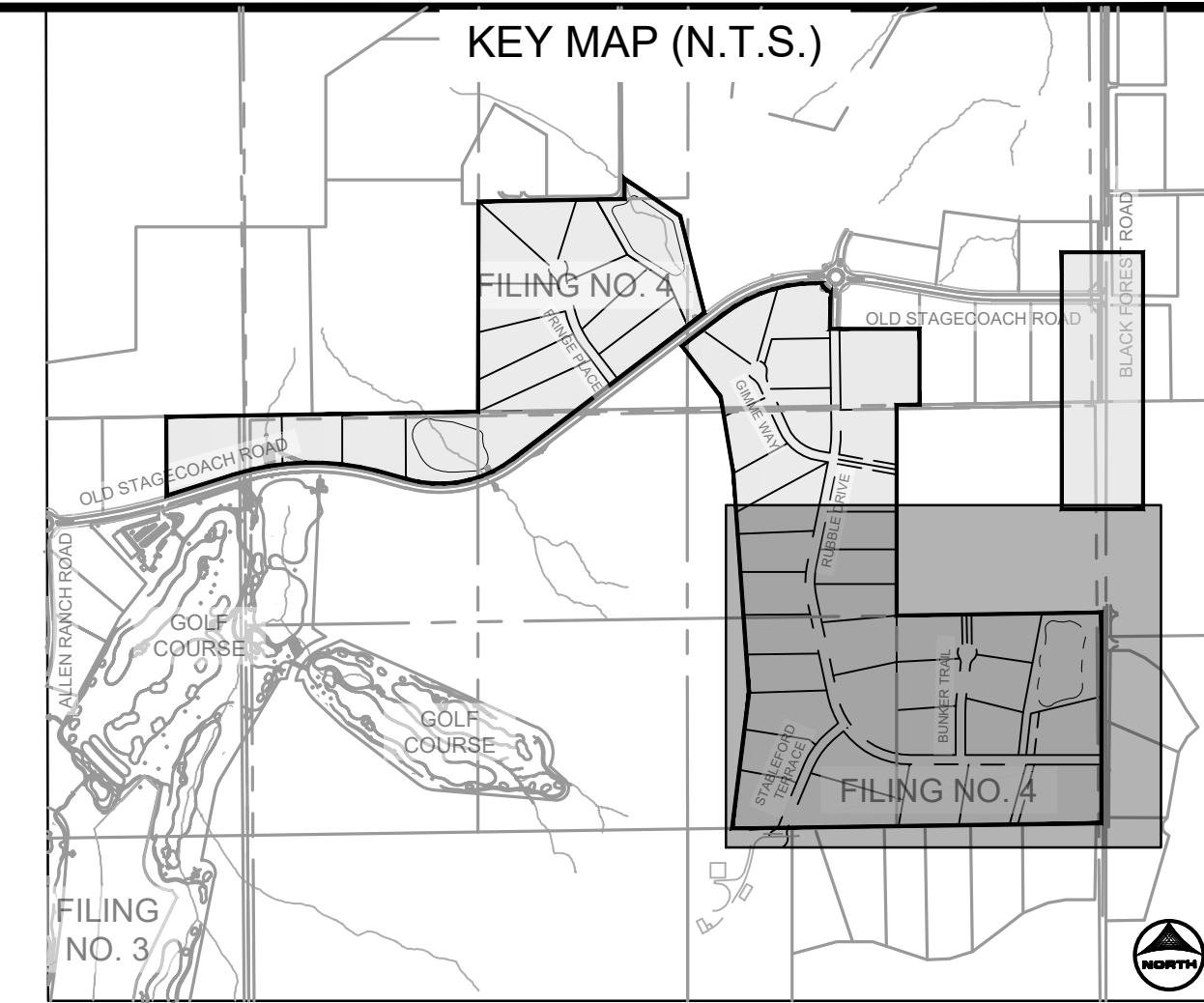
UNDEVELOPED AREA

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:

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

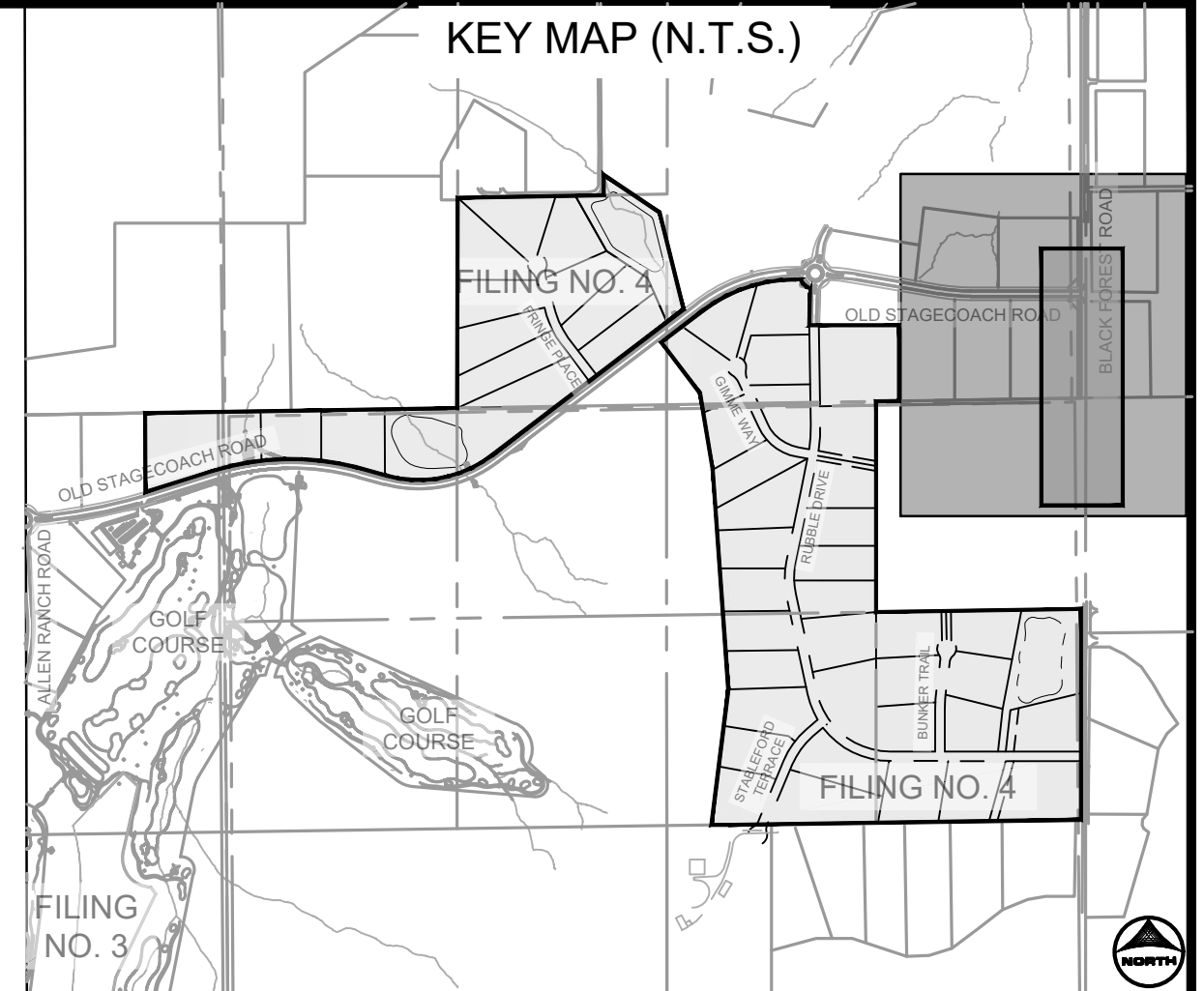
**FLYING HORSE NORTH FILING 4
PRI #2, LLC.
EL PASO COUNTY, CO**

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

SHEET
GEC
5

HR GREEN Xref: xc-dgn-1030, xc-cw-1030, xc-adj-1030, xc-dgn-1030, xc-dgn-240, xc-cw-240, xc-adj-240, key_map, key_notes, EPC, gec_legend, gec_plan_notes, gec-plan-030

MATCHLINE SEE SHEET 4



GEC LEGEND:

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

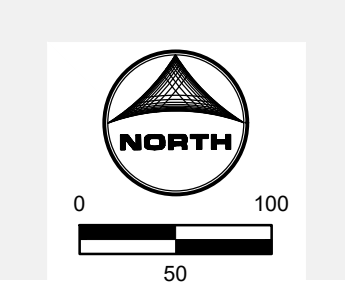
PROJECT INFO:
VOLUME:
 BASE SURFACE: EXISTING-FULL COMPARISON SURFACE: FILING-4-FG

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 PERIMETER CONTROL) = 185.50 AC

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



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\CADD\wgs\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

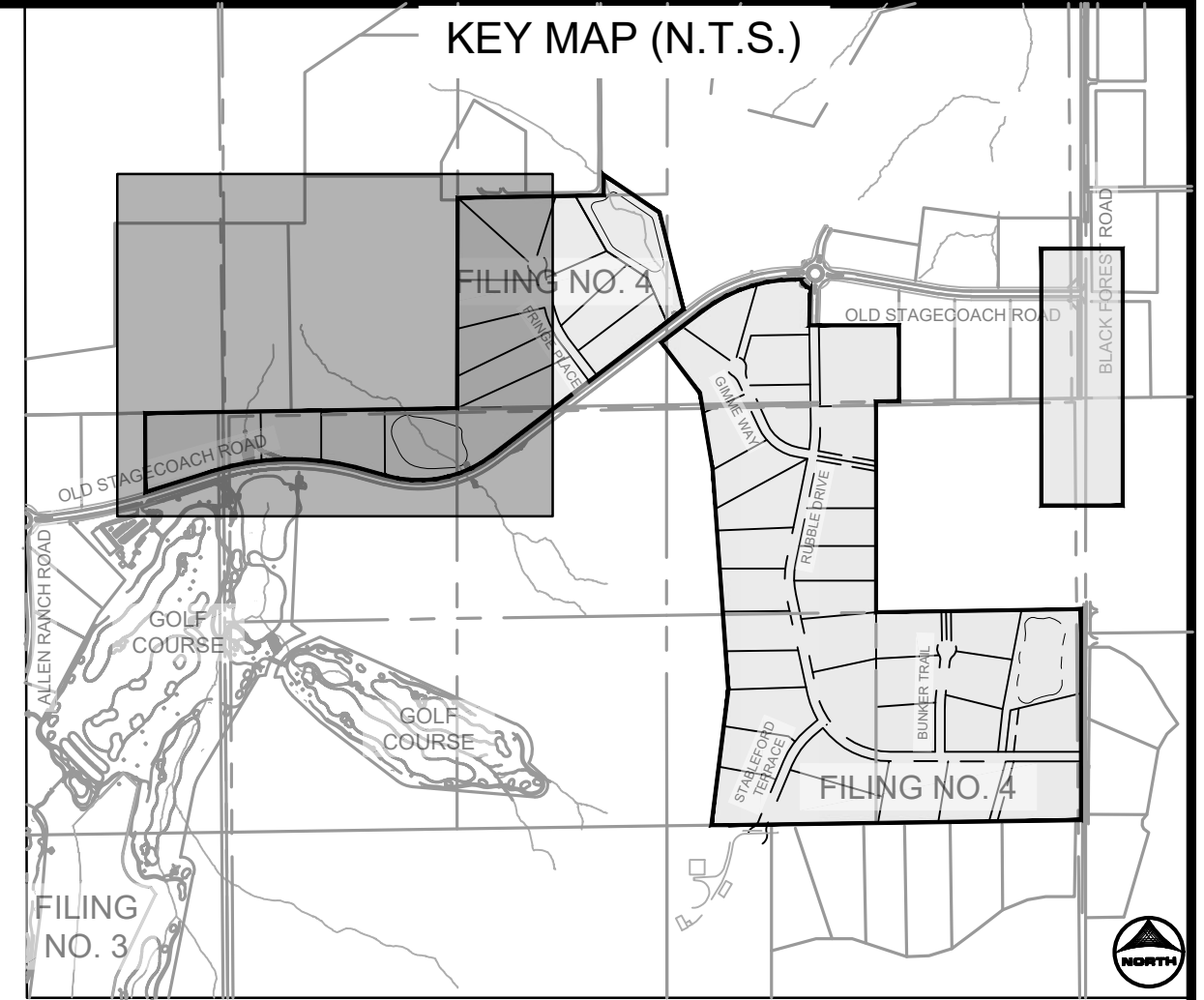
**FLYING HORSE NORTH FILING 4
 PRI #2, LLC.
 EL PASO COUNTY, CO**

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

**SHEET
 GEC
 6**



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. 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.
- ON-SITE 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 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		

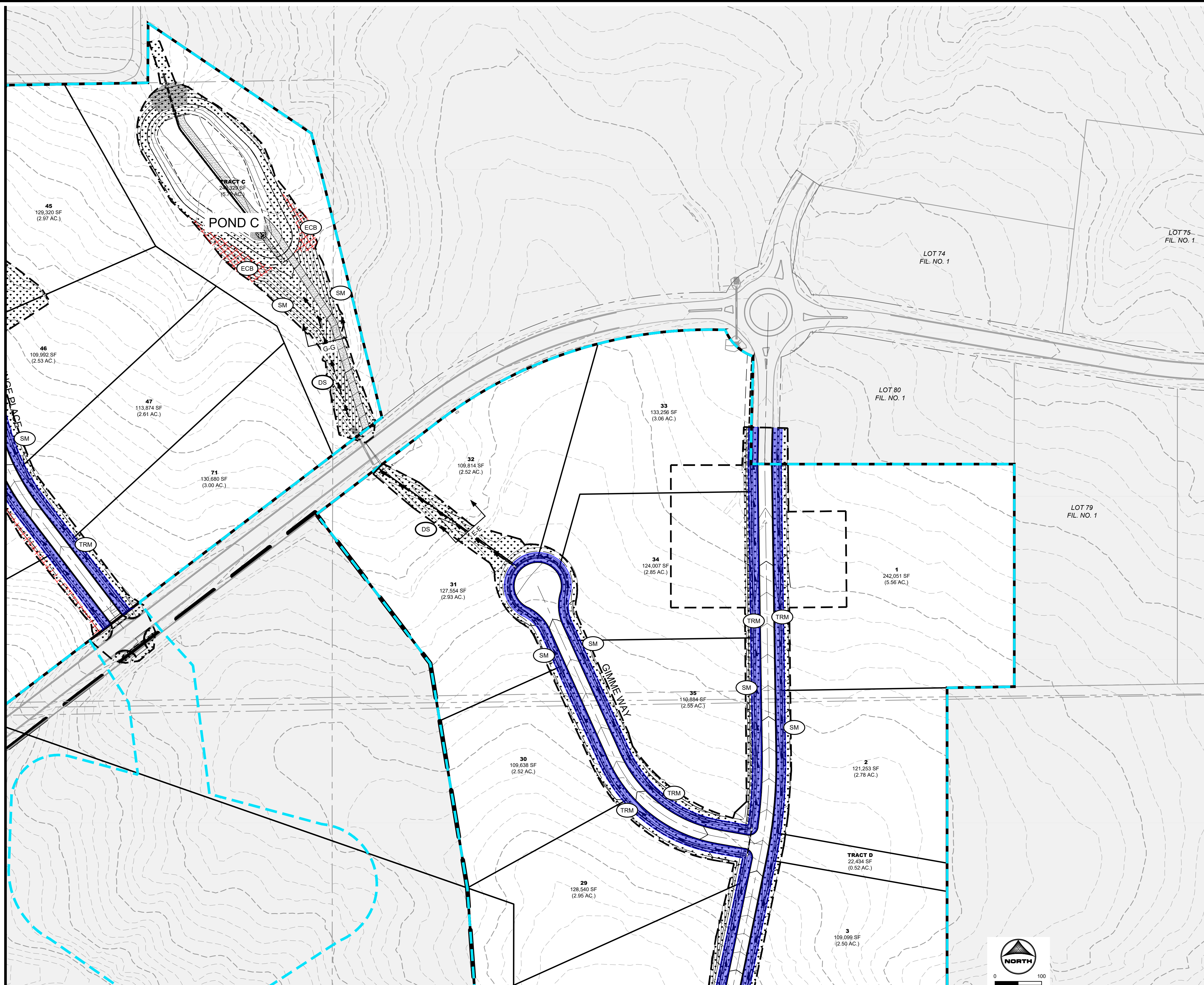
NO.	DATE	BY	REVISION DESCRIPTION

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

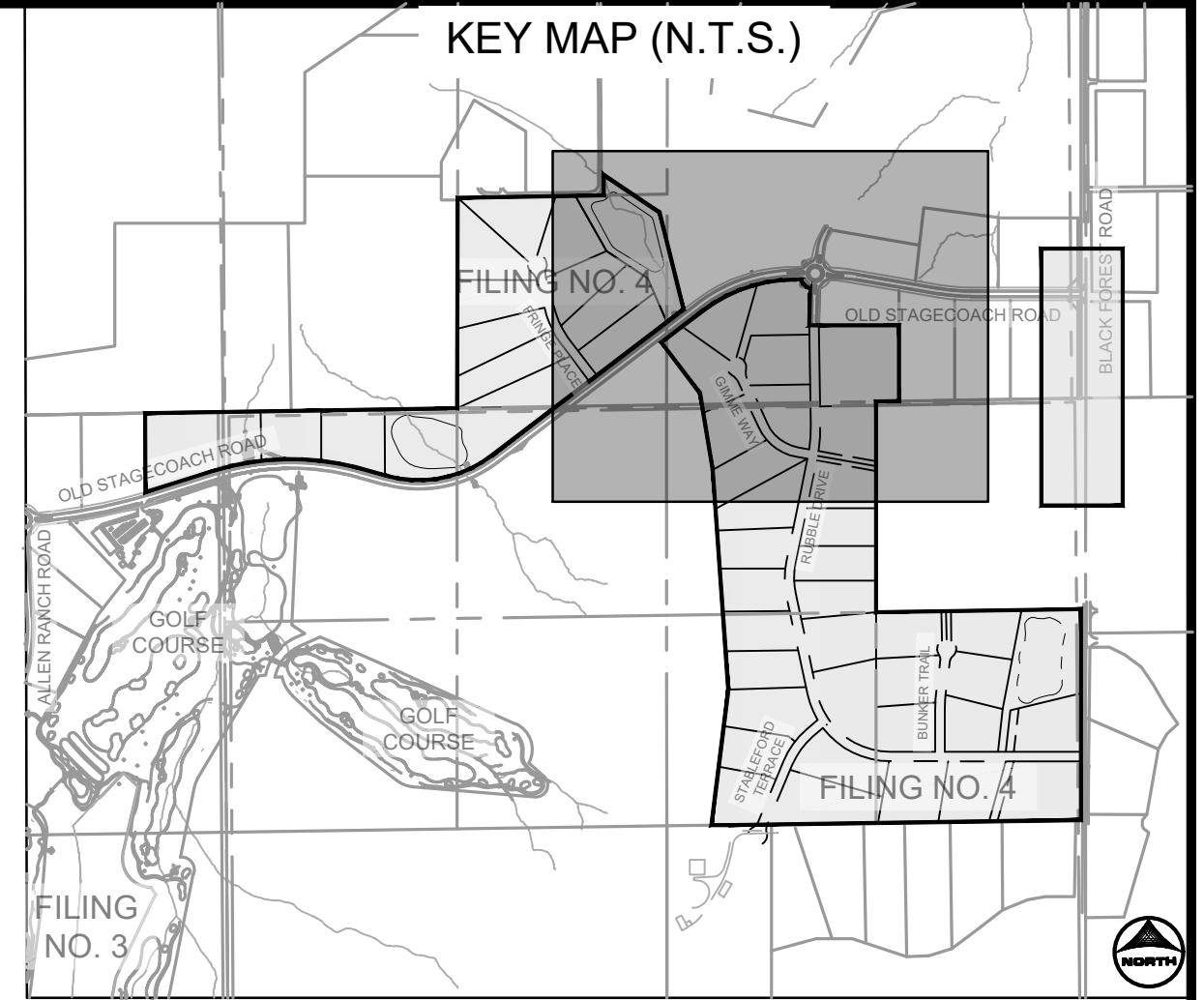
**FLYING HORSE NORTH FILING 4
PRI #2, LLC.
EL PASO COUNTY, CO**

**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

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

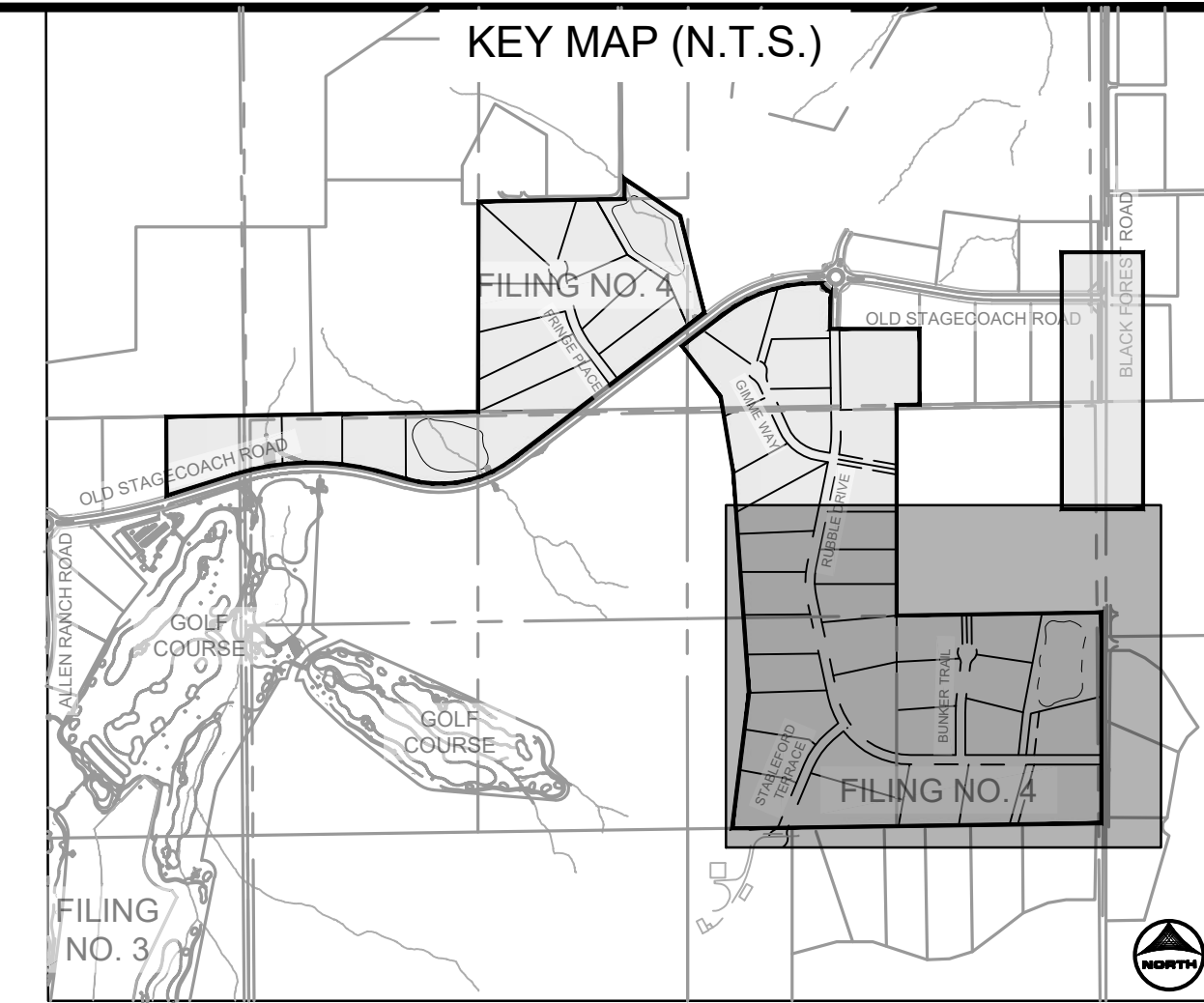
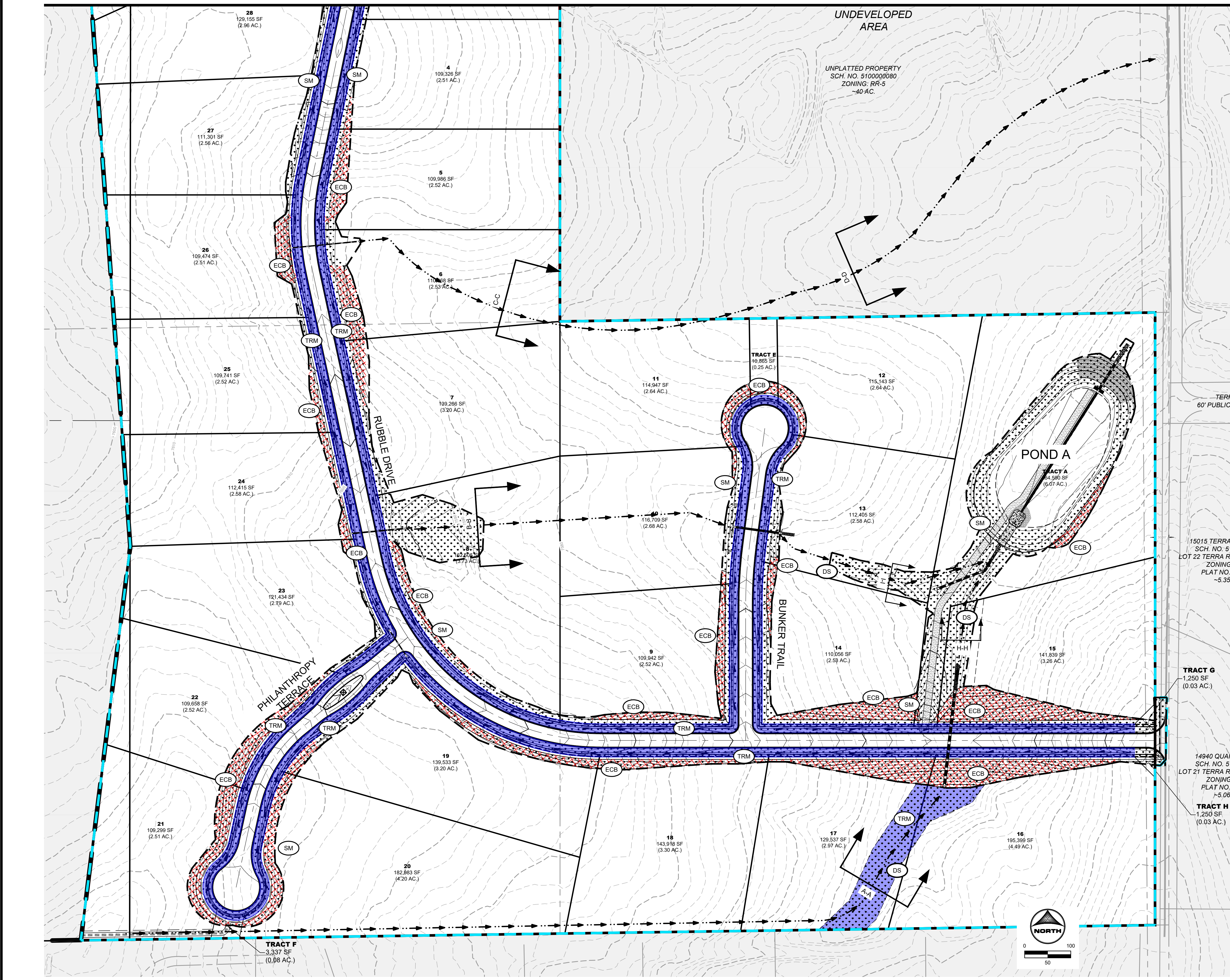
**FLYING HORSE NORTH FILING 4
 PRI #2, LLC.
 EL PASO COUNTY, CO**

**GRADING & EROSION CONTROL PLAN
 FINAL GEC**

**SHEET
 GEC
 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

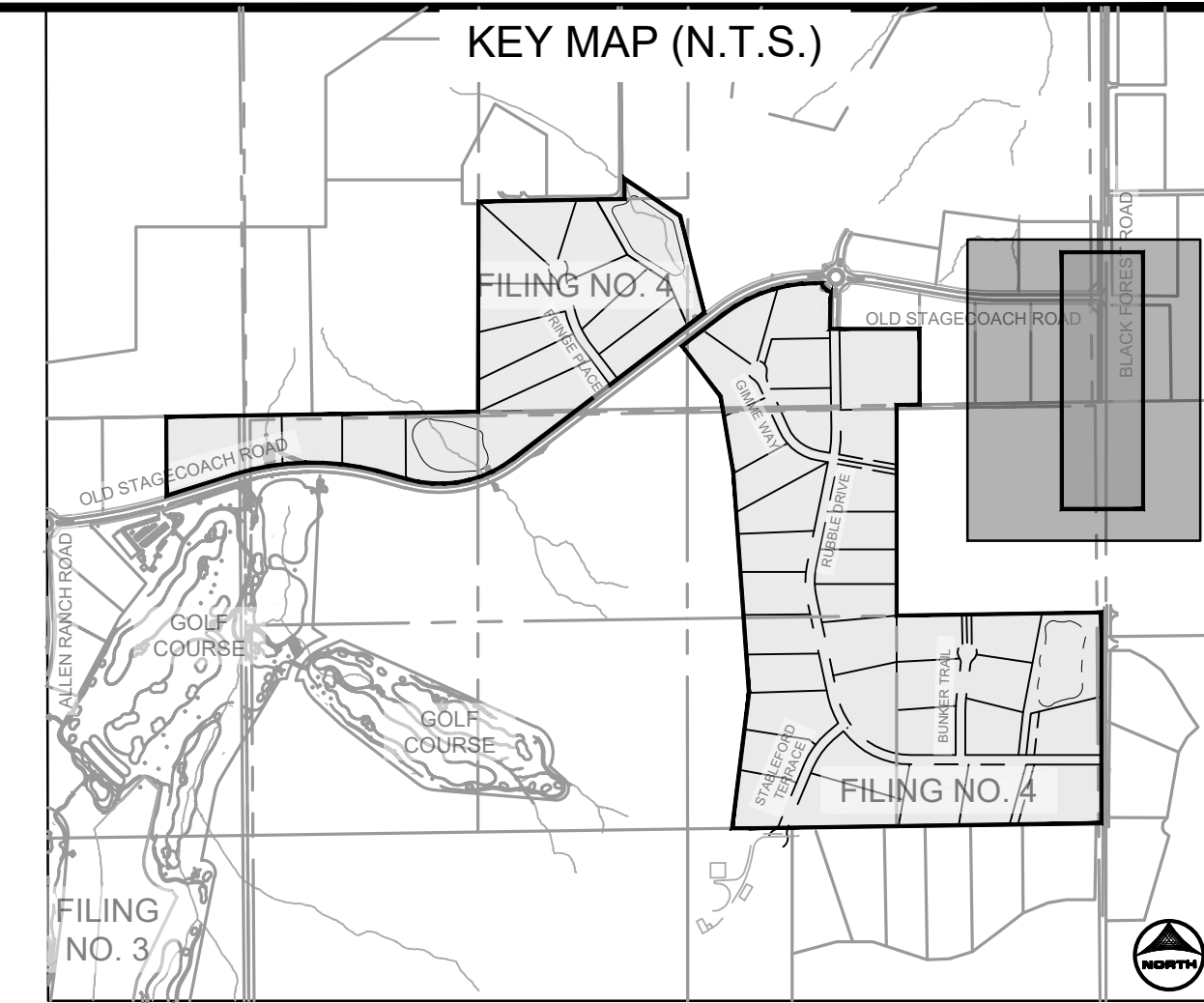
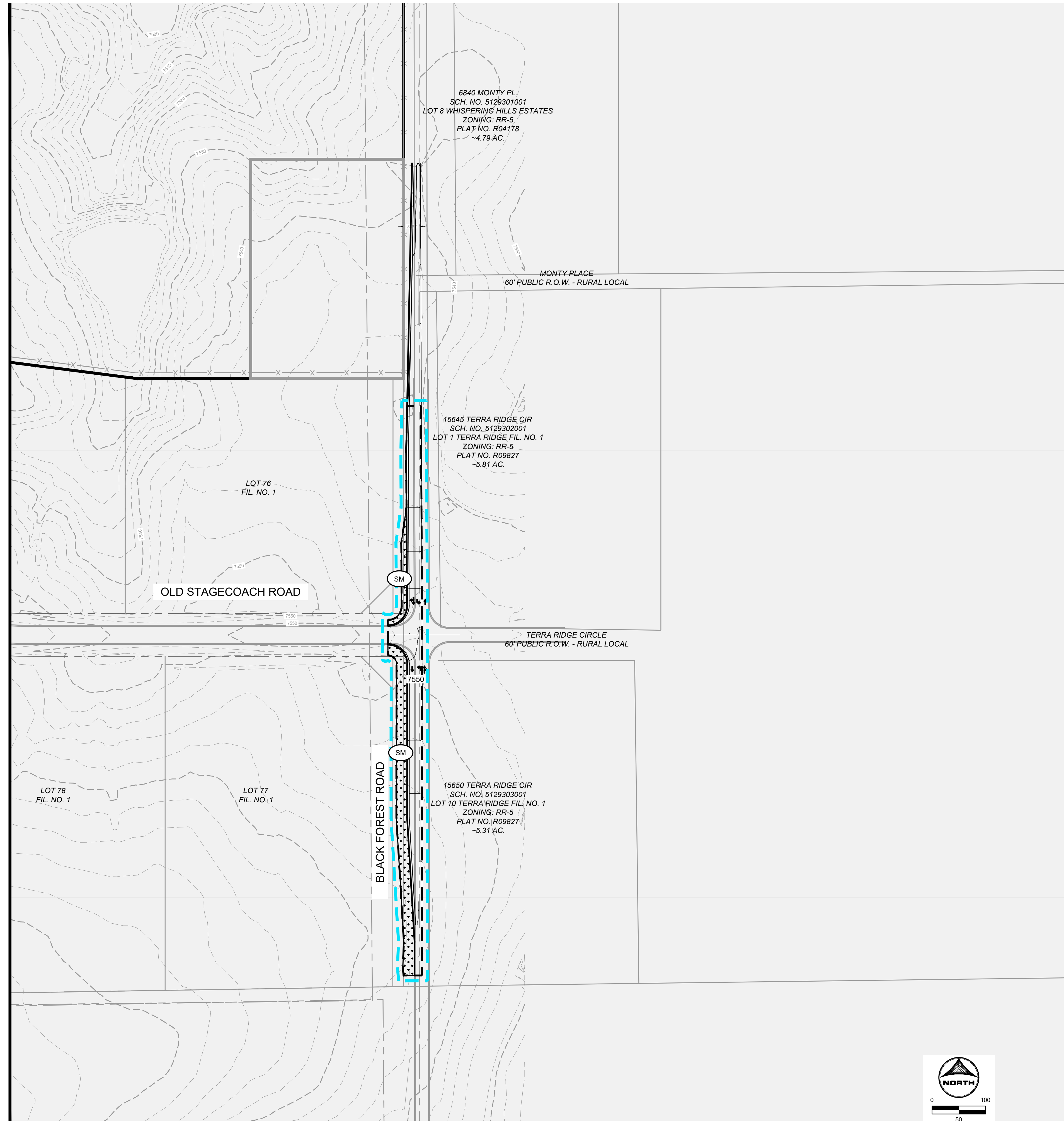
**FLYING HORSE NORTH FILING 4
 PRI #2, LLC.**
 EL PASO COUNTY, CO

**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:

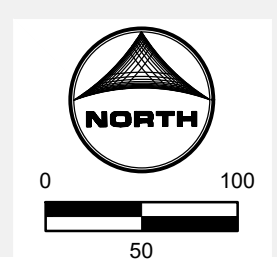
VOLUME:
 BASE SURFACE: EXISTING-FULL COMPARISON SURFACE: FILING-4-FG

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



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

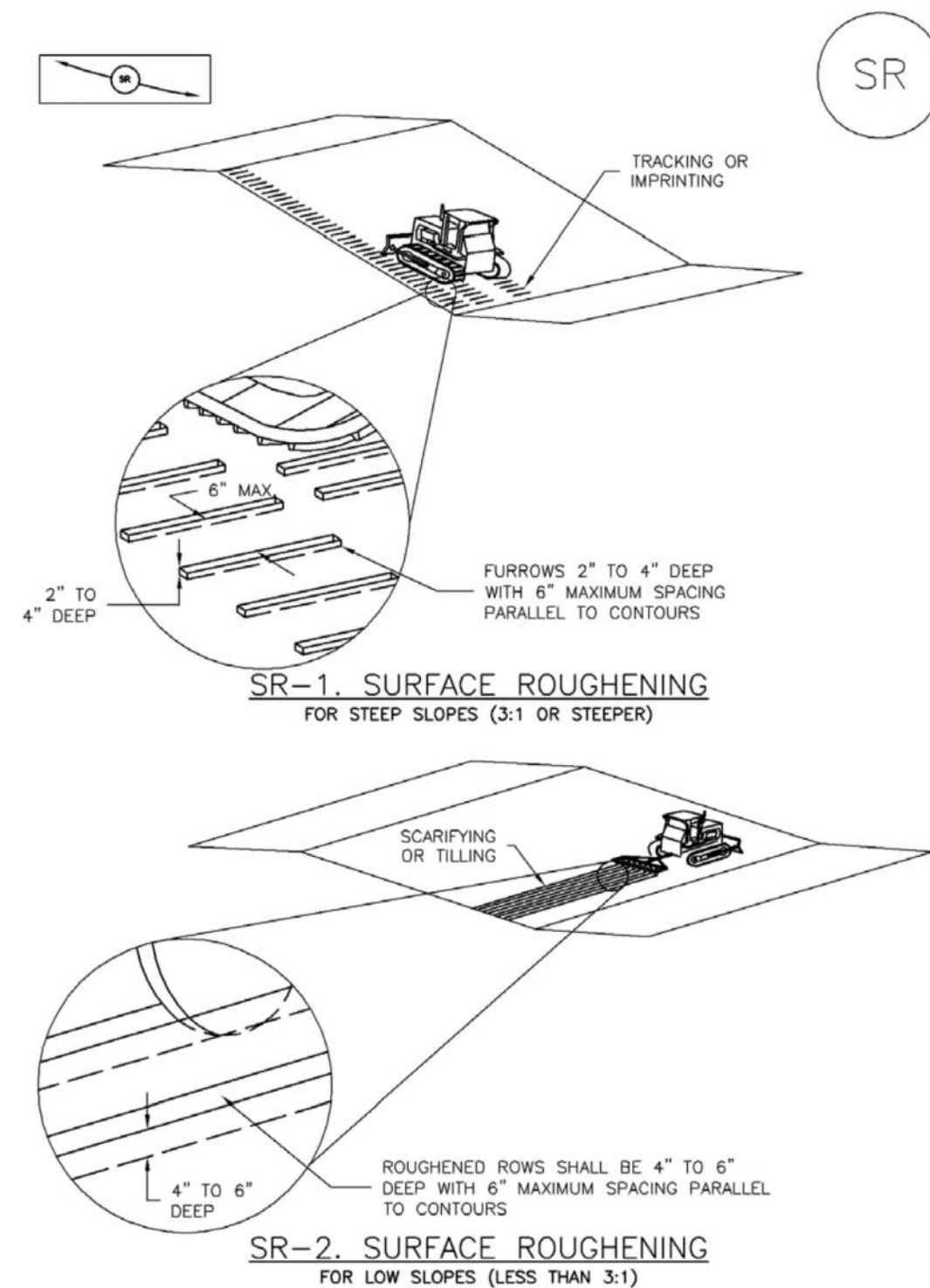
HRGreen
 HR GREEN - COLORADO SPRINGS
 1975 RESEARCH PARKWAY SUITE 160
 COLORADO SPRINGS, CO 80920
 PHONE: 719.300.4140
 FAX: 713.965.0044

**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

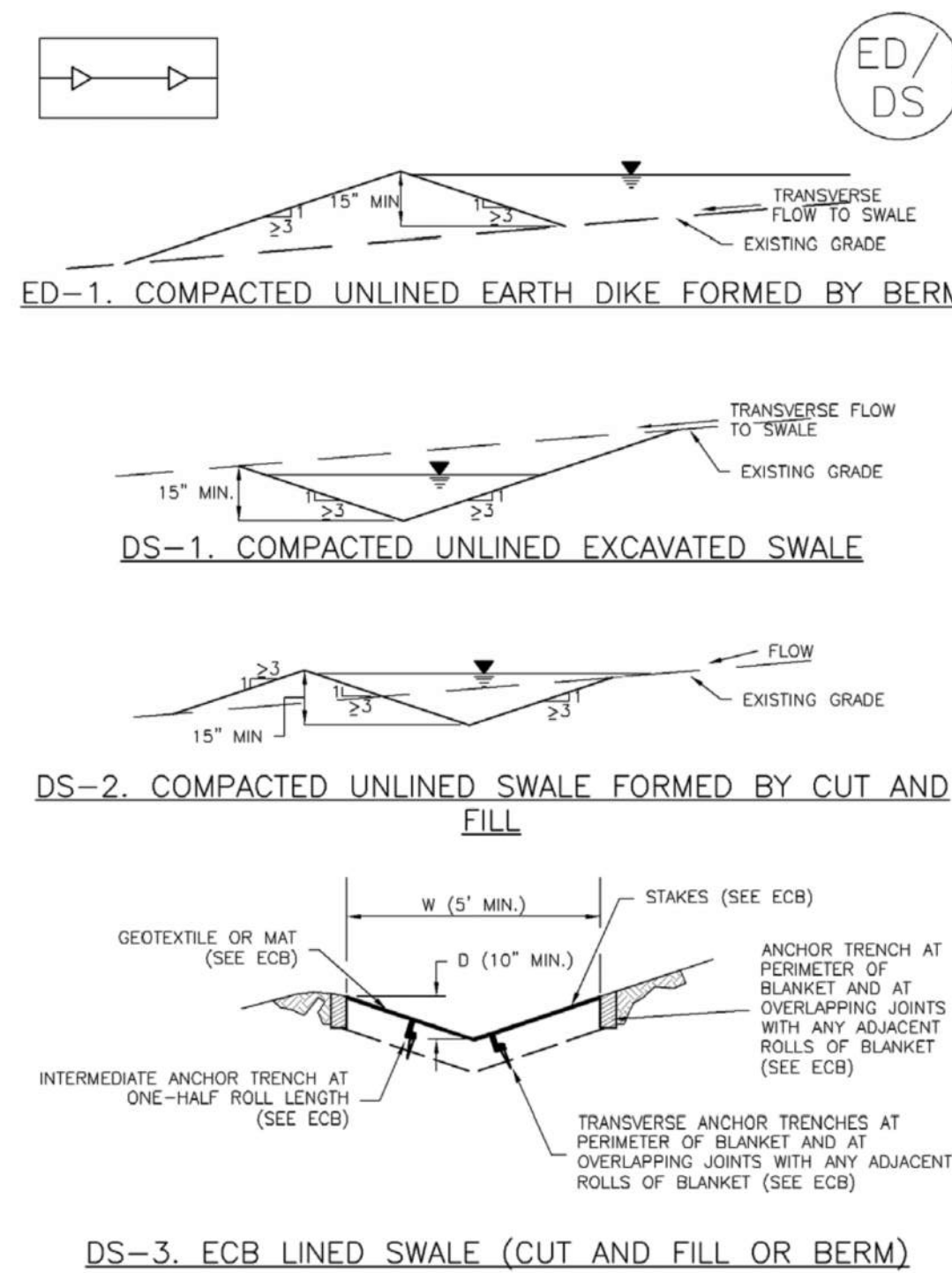
Prior to mulching, surface-roughen areas by rolling with a crimping or punching type roller or by track walking. Track walking should only be used where other methods are impractical because track walking with heavy equipment typically compacts the soil.

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).

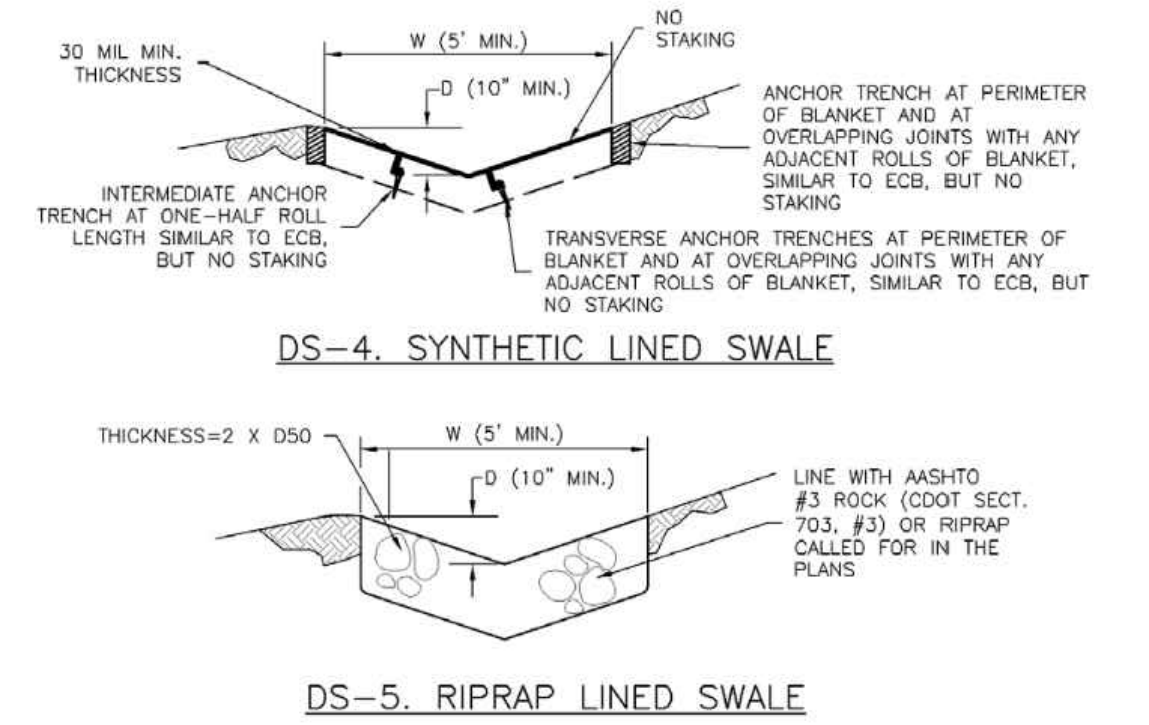
June 2012 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 MU-1

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

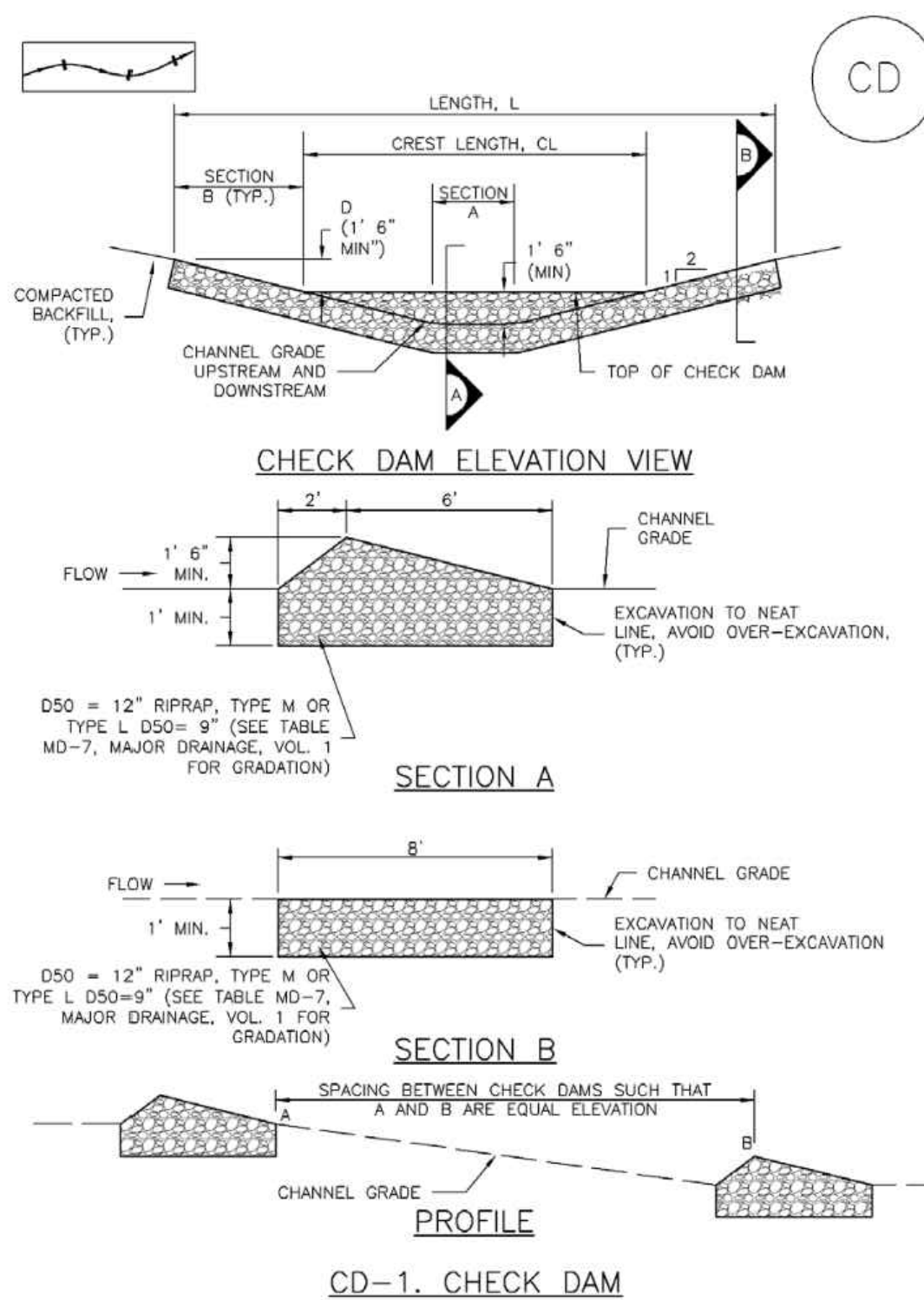
EC-10 Earth Dikes and Drainage Swales (ED/DS)



- 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.

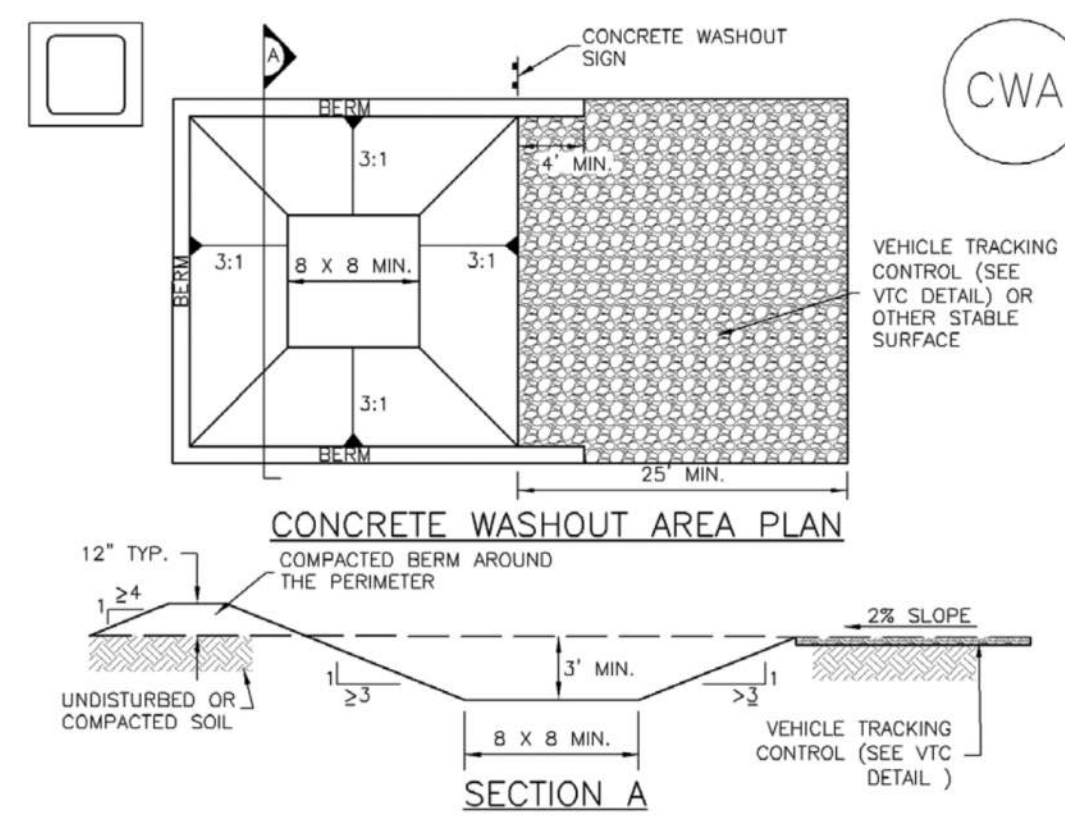
ED/DS-4 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010

Check Dams (CD) EC-12



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

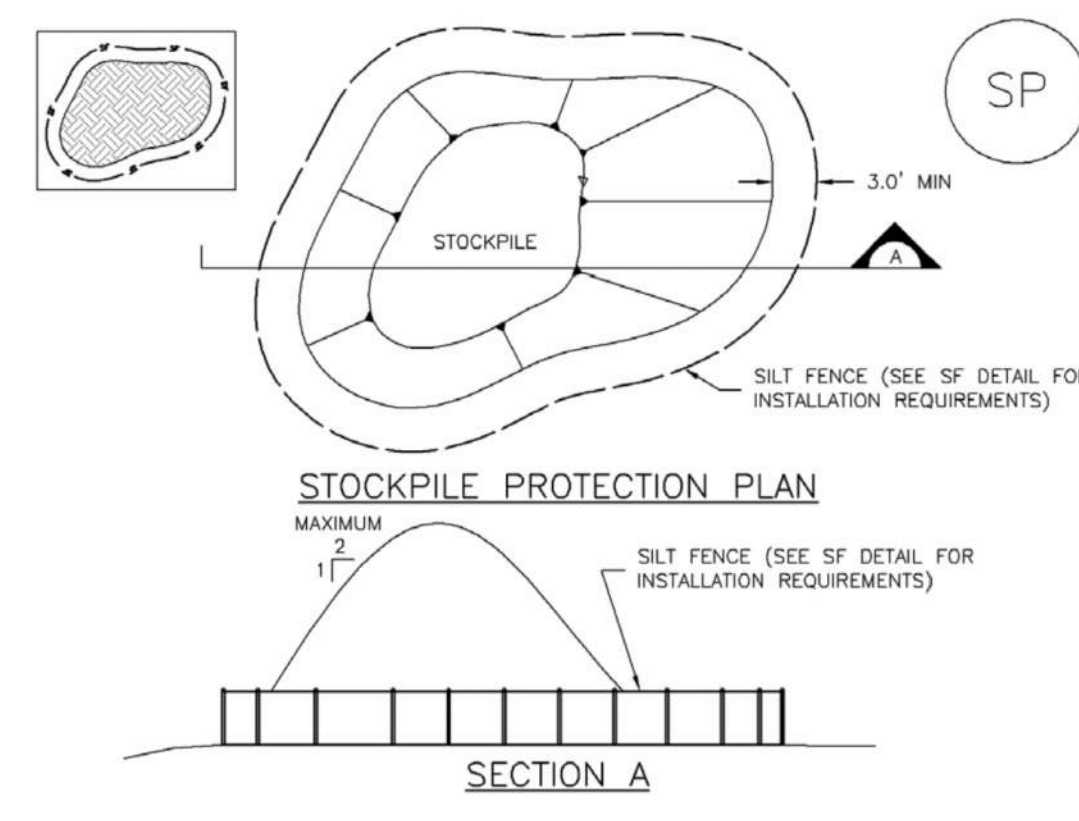
Concrete Washout Area (CWA) MM-1



- 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.



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.

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

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

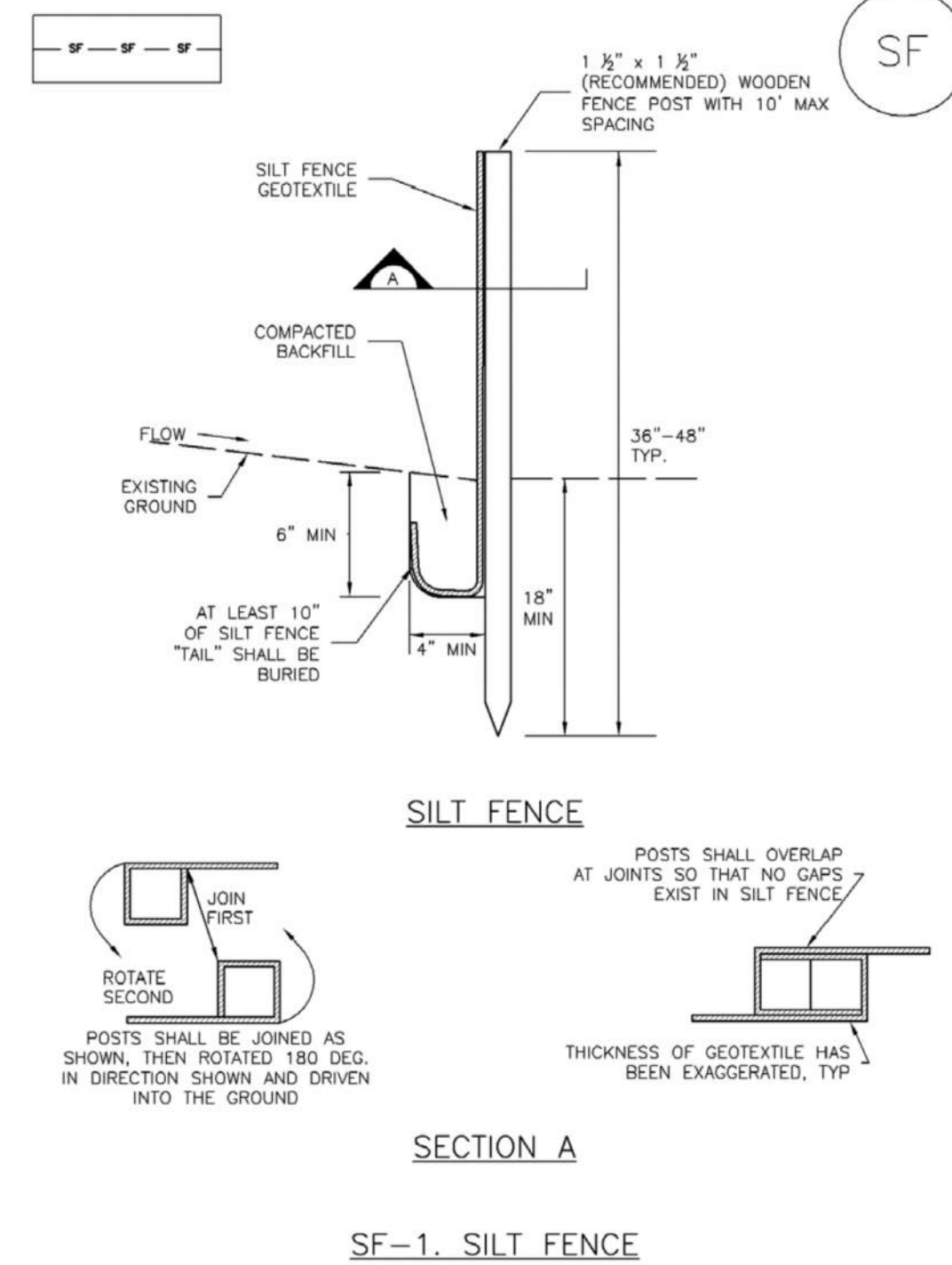
- Develop and implement employee and subcontractor education, as needed, on hazardous and toxic waste handling, storage, disposal, and cleanup.
- Designate hazardous waste-collection areas on-site.
- Place all hazardous and toxic material wastes in secondary containment.



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

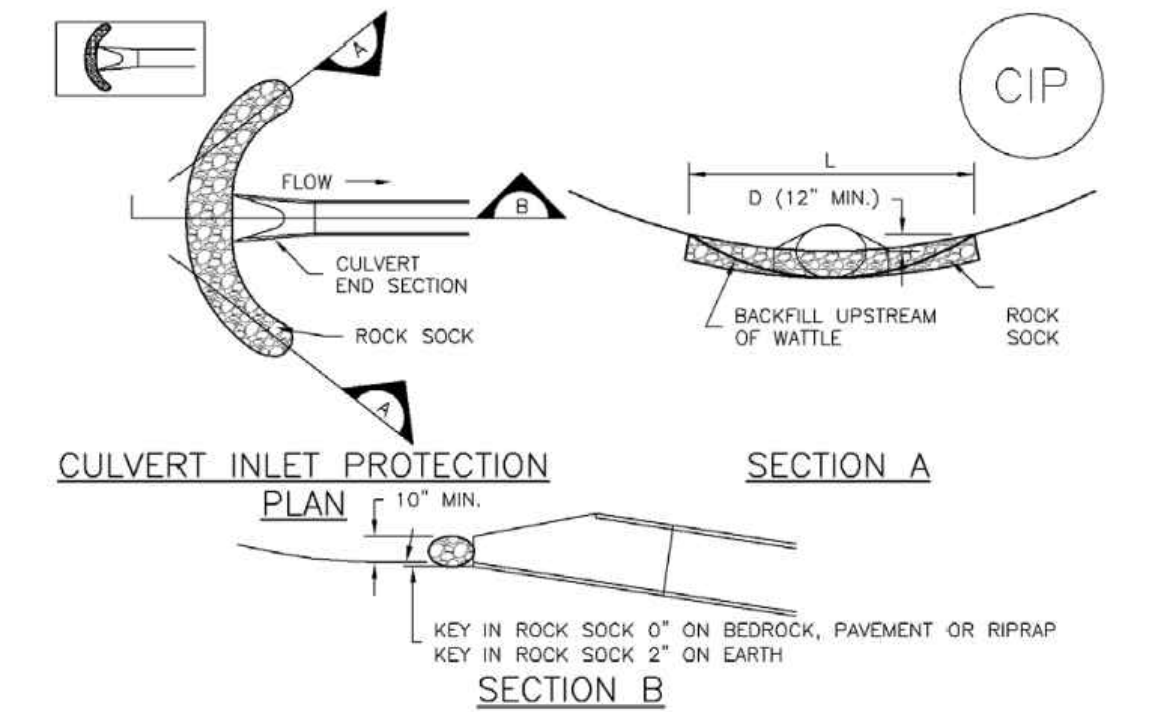
GH-2 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 November 2010

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

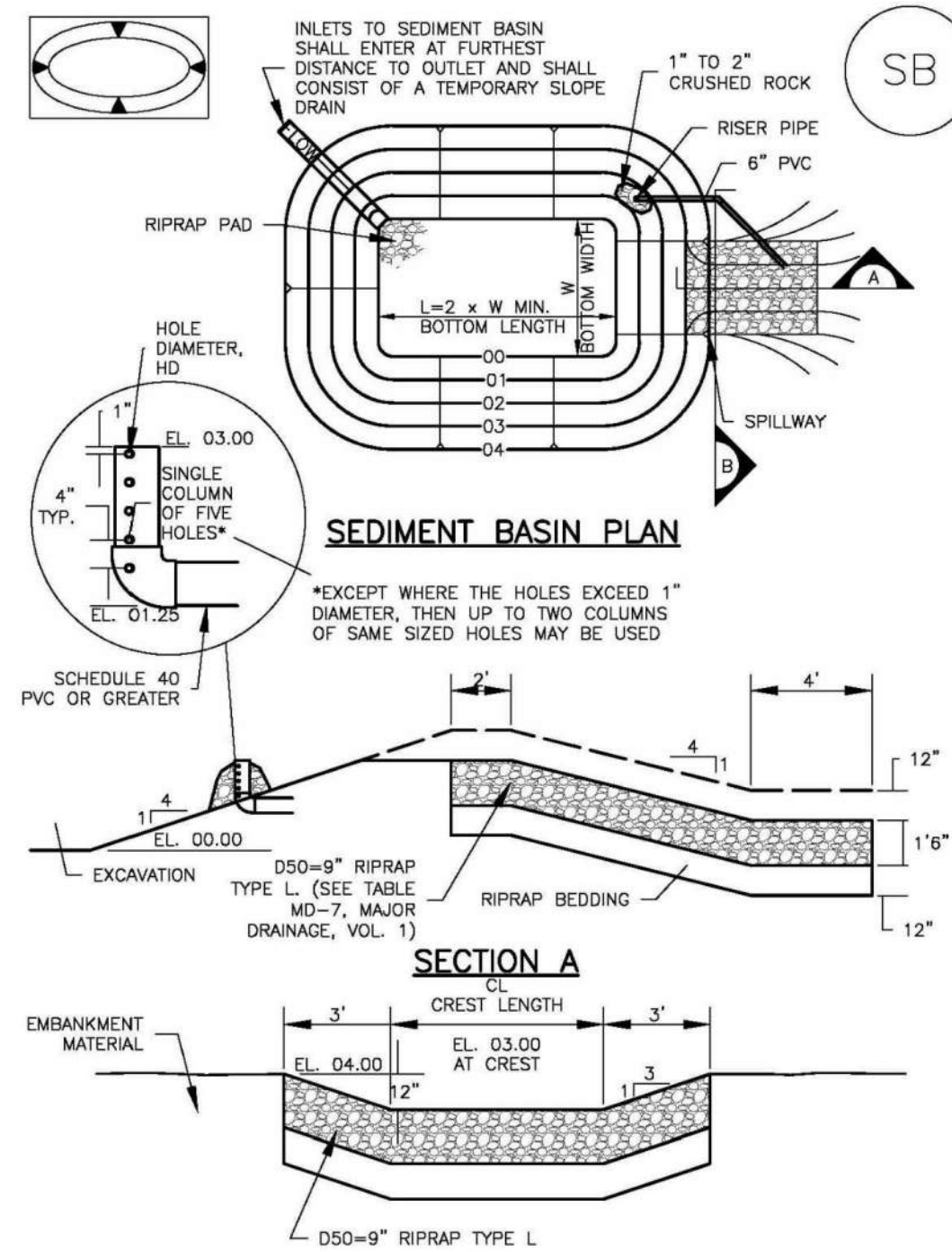


CIP-1. CULVERT INLET PROTECTION

- 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.

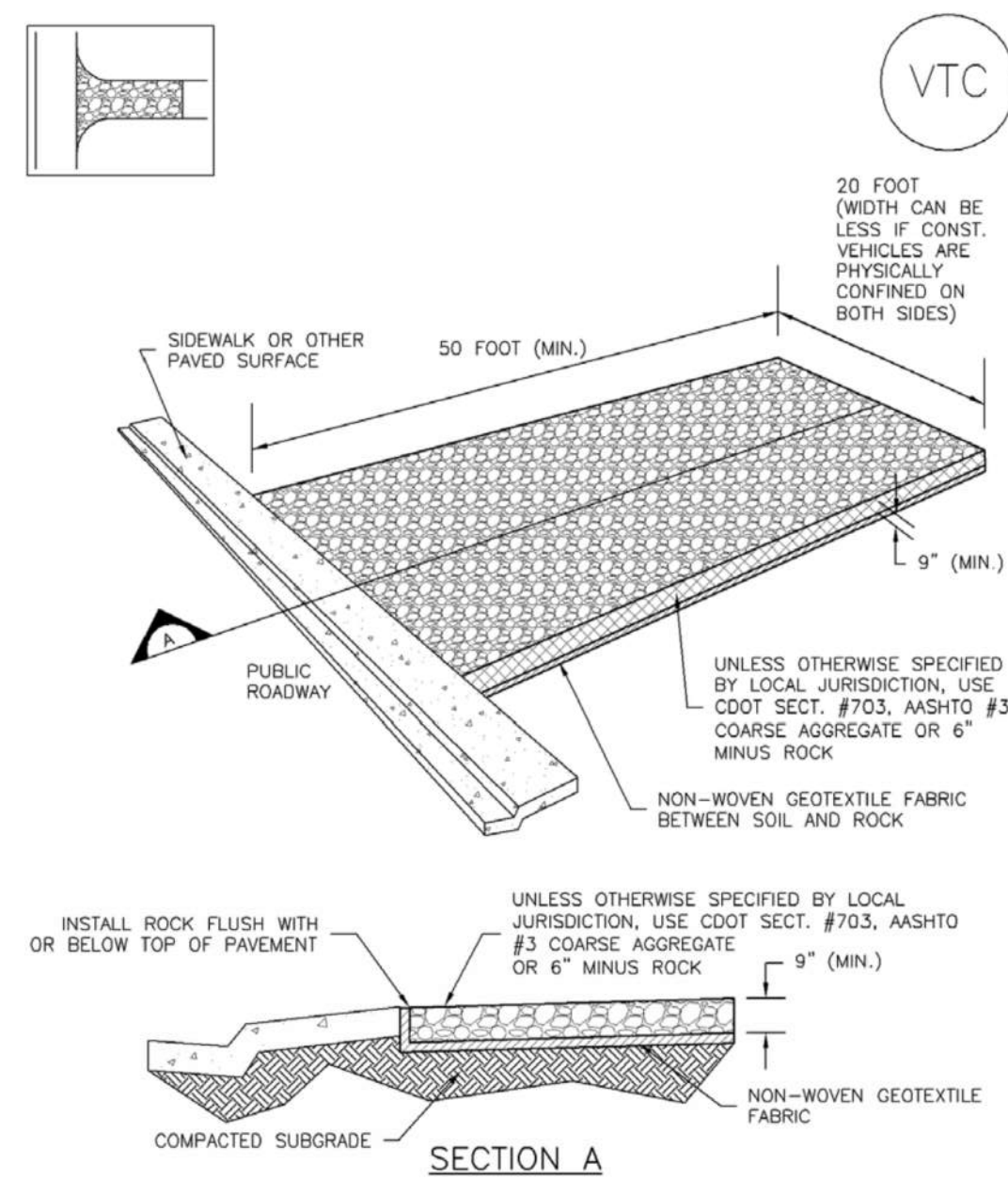
August 2013 Urban Drainage and Flood Control District Urban Storm Drainage Criteria Manual Volume 3 IP-7

Sediment Basin (SB) SC-7



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

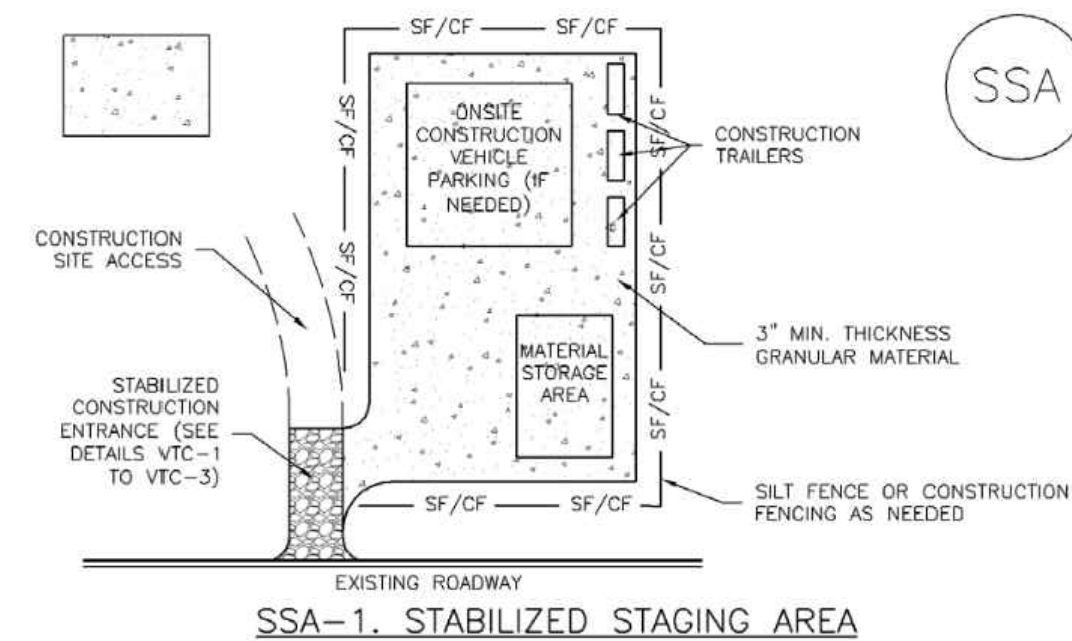
Vehicle Tracking Control (VTC) SM-4



VTC-1. AGGREGATE VEHICLE TRACKING CONTROL

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

Stabilized Staging Area (SSA) SM-6



SSA-1. STABILIZED STAGING AREA

- STABILIZED STAGING AREA INSTALLATION NOTES**
1. SEE PLAN VIEW FOR LOCATION OF STAGING AREA(S). CONTRACTOR MAY ADJUST LOCATION AND SIZE OF STAGING AREA WITH APPROVAL FROM THE LOCAL JURISDICTION.
 2. STABILIZED STAGING AREA SHOULD BE APPROPRIATE FOR THE NEEDS OF THE SITE. OVERSIZING RESULTS IN A LARGER AREA TO STABILIZE FOLLOWING CONSTRUCTION.
 3. STAGING AREA SHALL BE STABILIZED PRIOR TO OTHER OPERATIONS ON THE SITE.
 4. THE STABILIZED STAGING AREA SHALL CONSIST OF A MINIMUM 3\"/>
- STABILIZED STAGING AREA 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. ROCK SHALL BE REAPPLIED OR REGRADED AS NECESSARY IF RUTTING OCCURS OR UNDERLYING SUBGRADE BECOMES EXPOSED.

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
 APPROVED: RDL JOB NUMBER: 211030.240
 CAD DATE: 9/13/2024
 CAD FILE: J:\2021\211030\CAD\DWG\C\Filing_No_4\GEC\GEC-Details

NO.	DATE	BY	REVISION DESCRIPTION

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

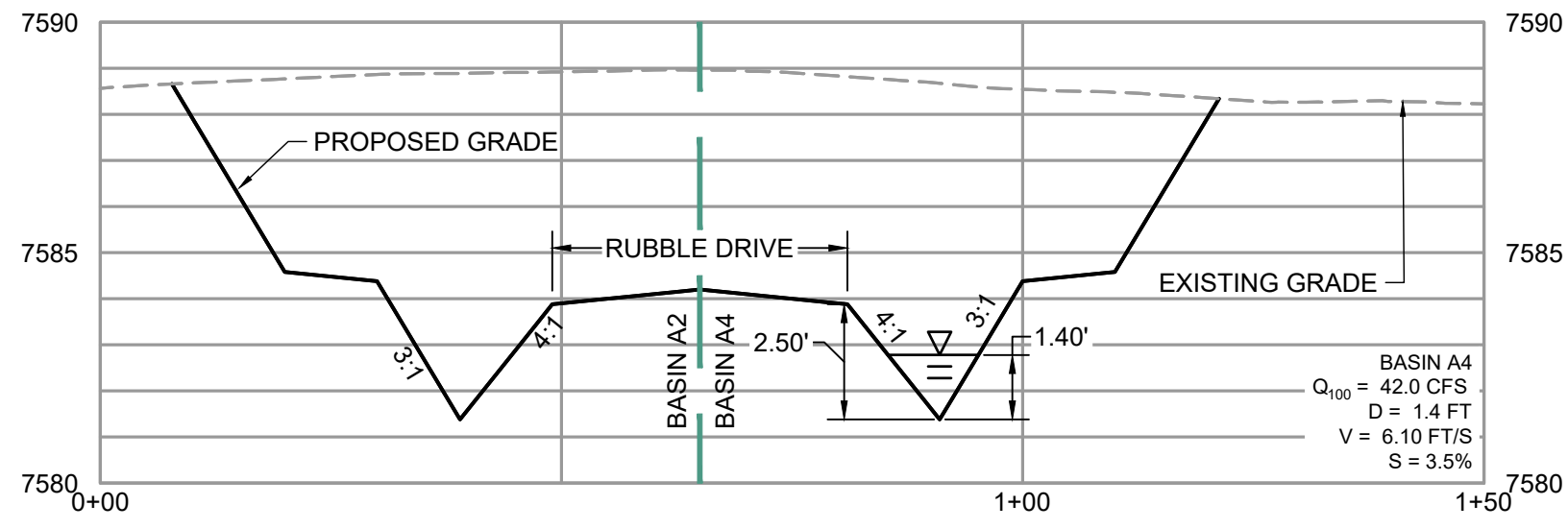
FLYING HORSE NORTH FILING 4
 PRI #2, LLC.
 EL PASO COUNTY, CO

GRADING & EROSION CONTROL PLAN
 DETAILS

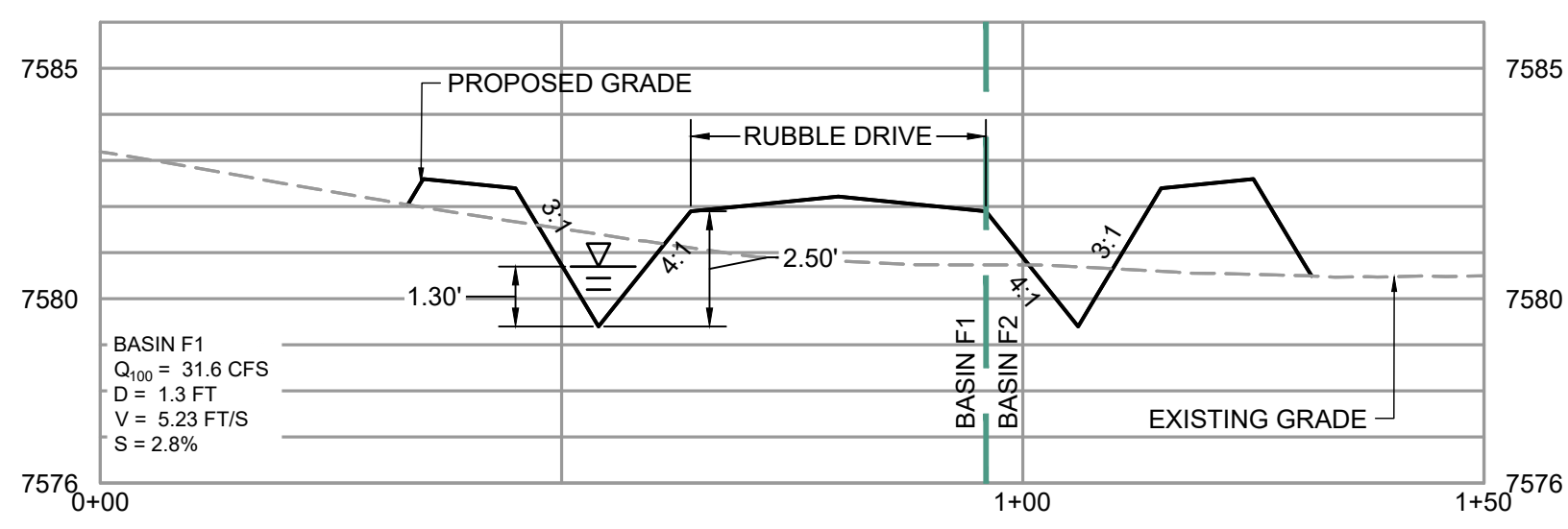
SHEET DT 12

MC/MUNN, THERESA, 9/13/2024 8:27 AM

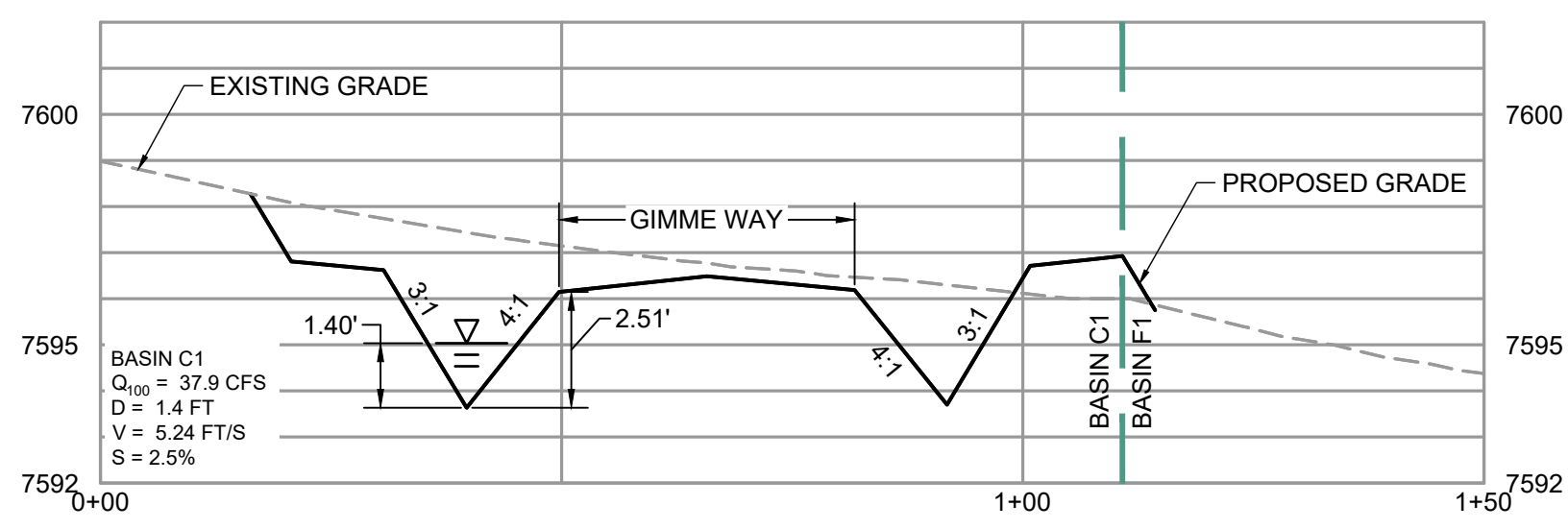
STREET SECTION A1



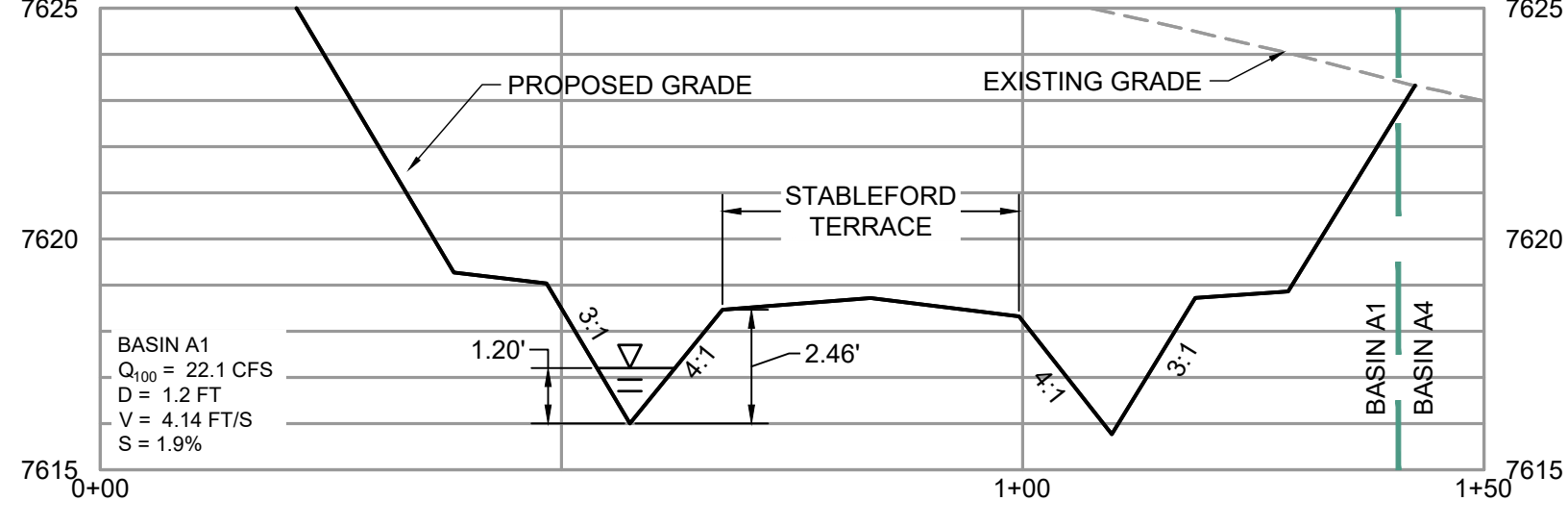
STREET SECTION A2



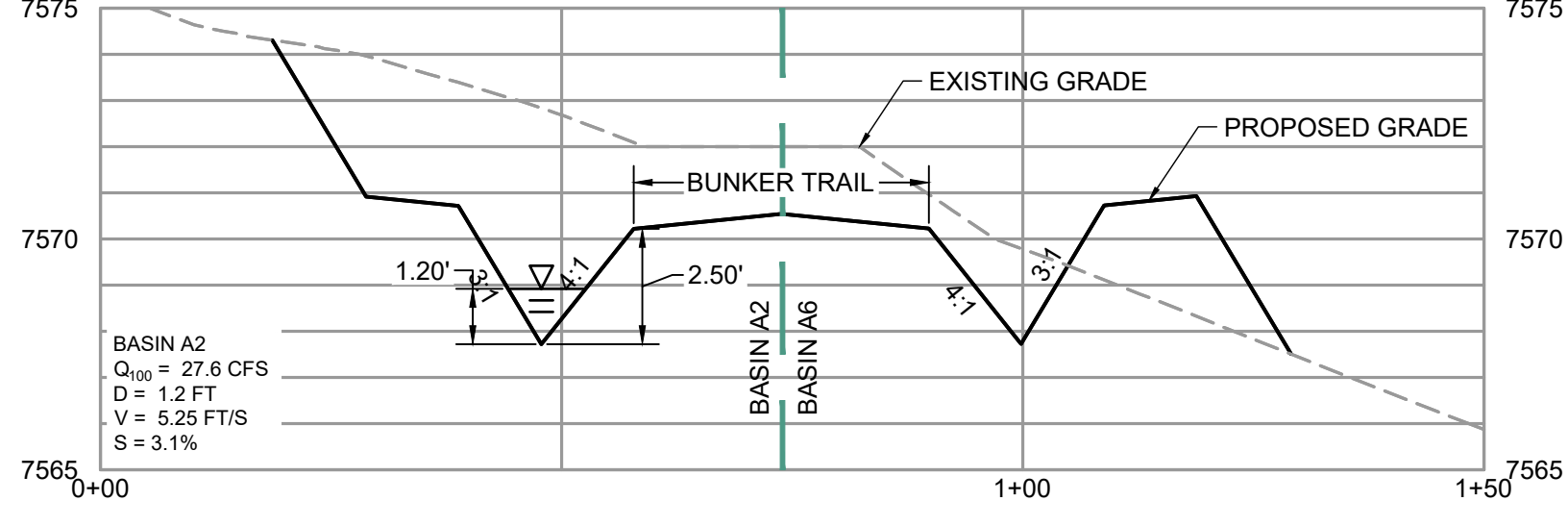
STREET SECTION B



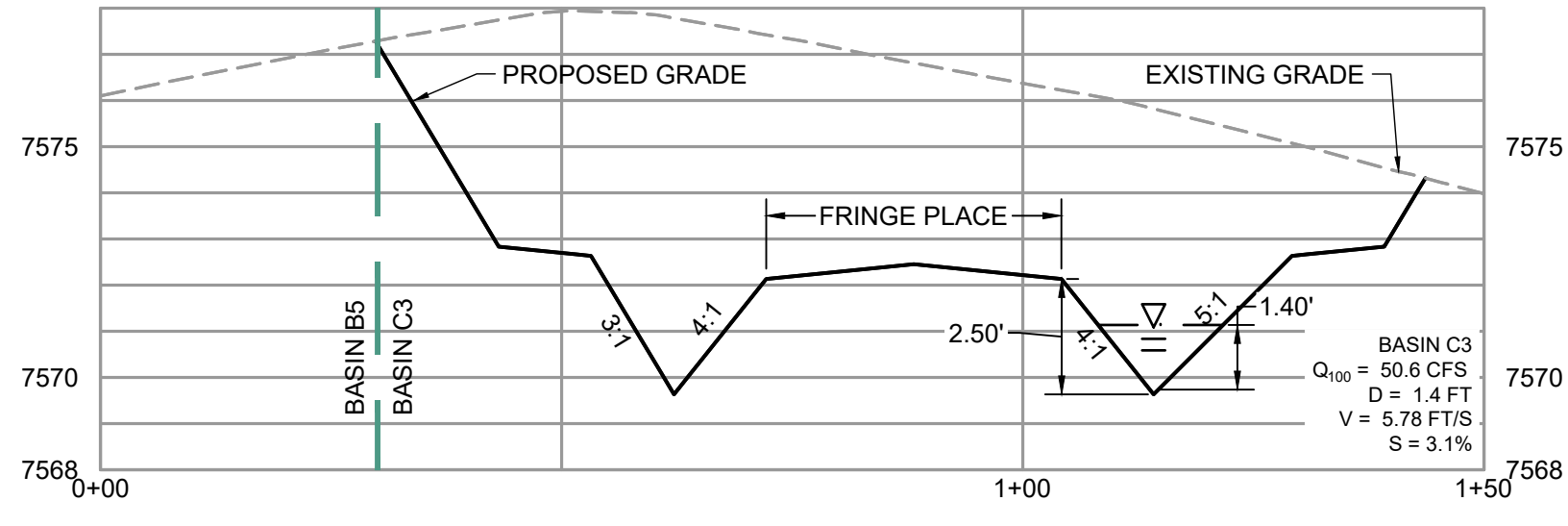
STREET SECTION C



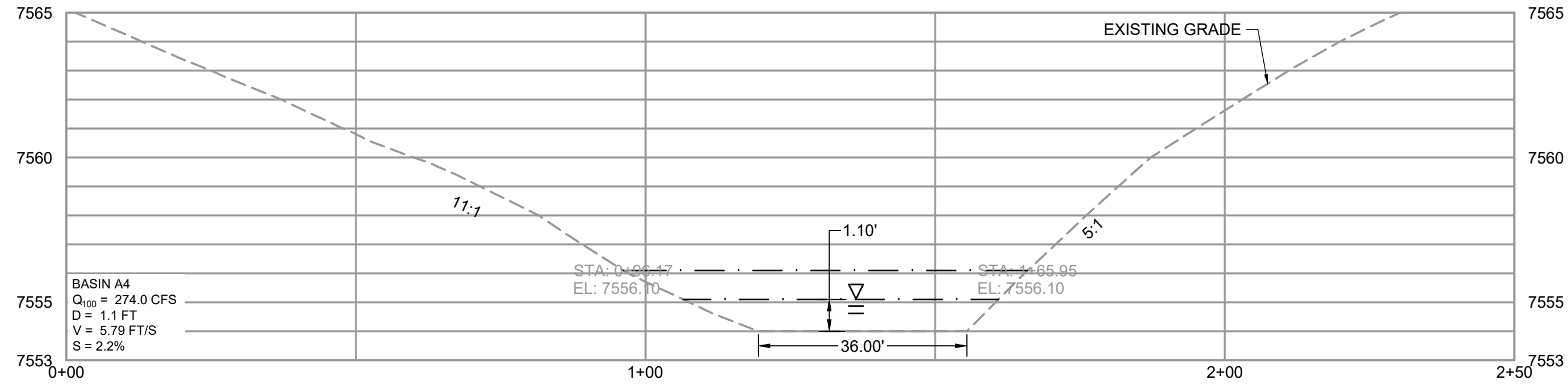
STREET SECTION D



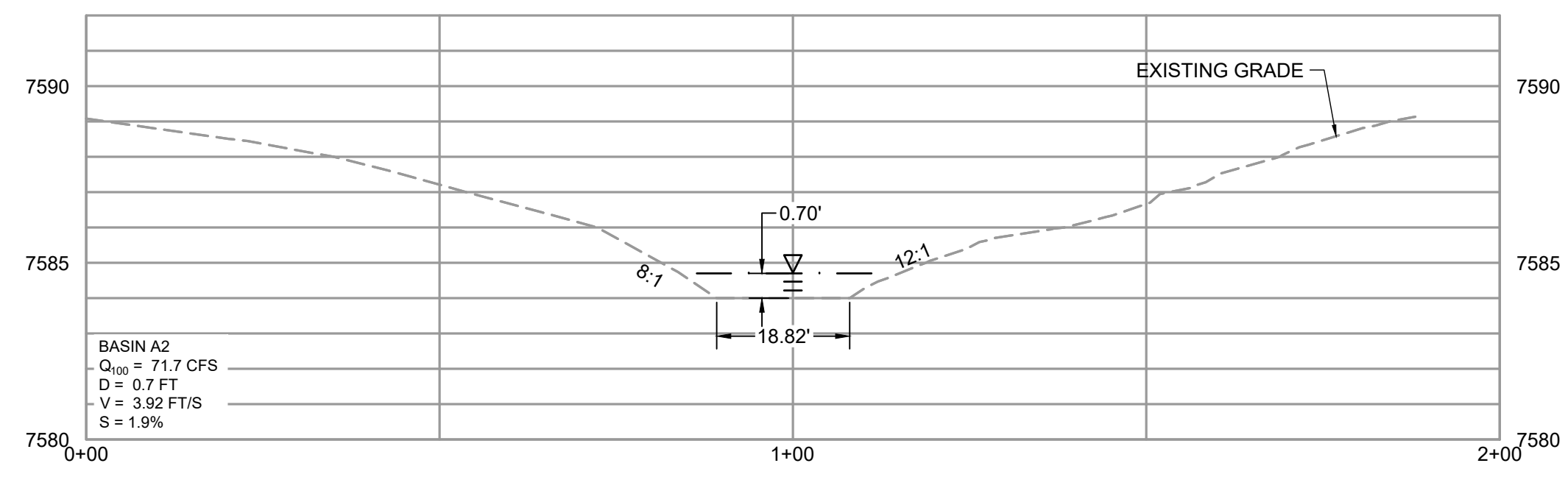
STREET SECTION E



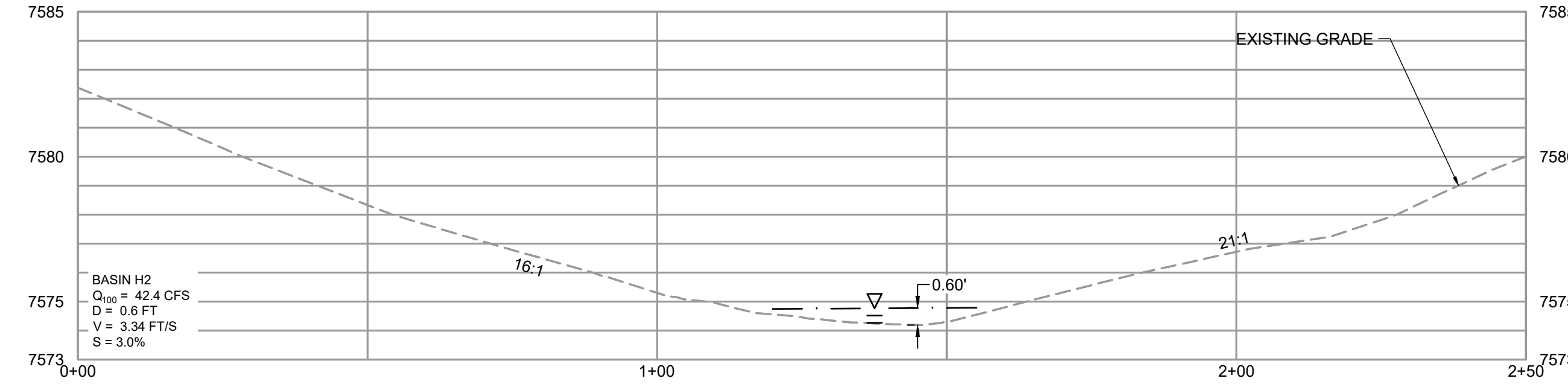
SECTION A-A



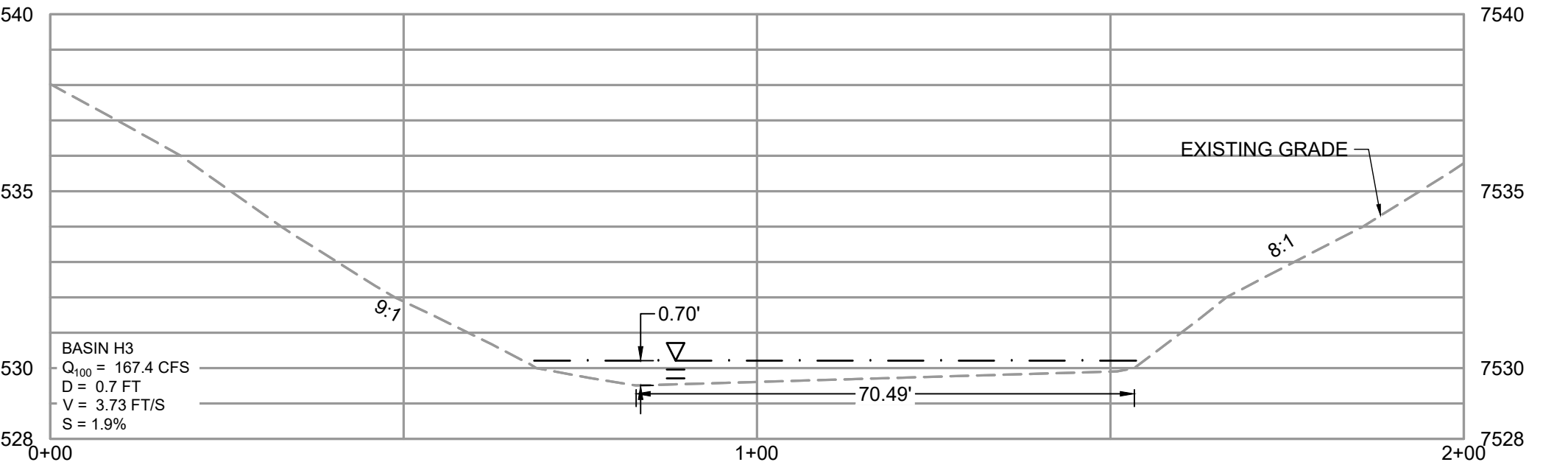
SECTION B-B



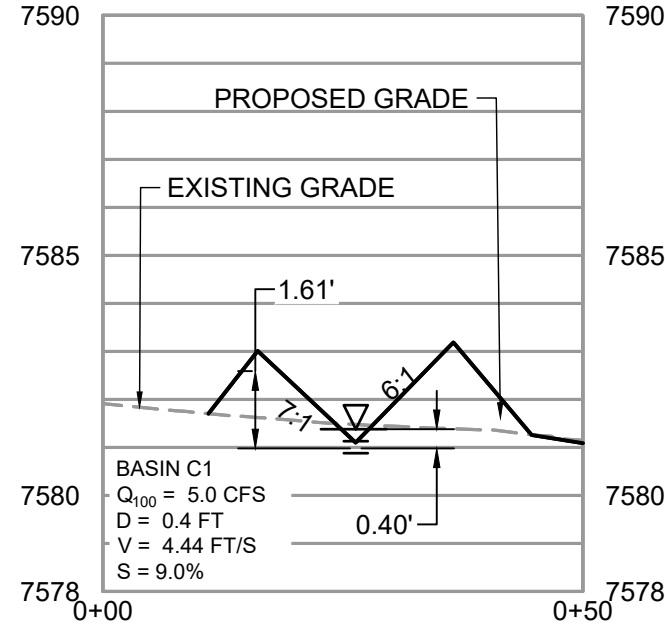
SECTION C-C



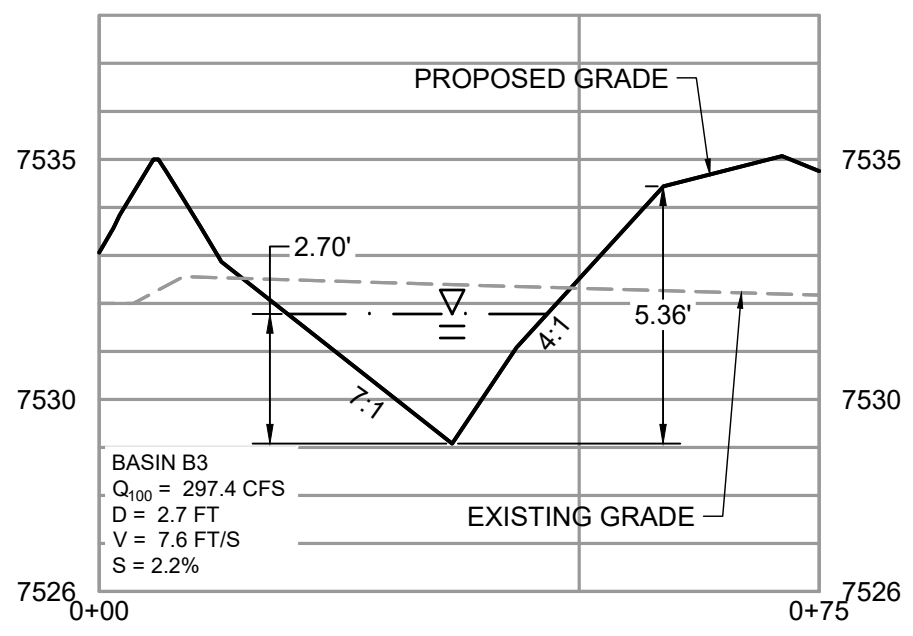
SECTION D-D



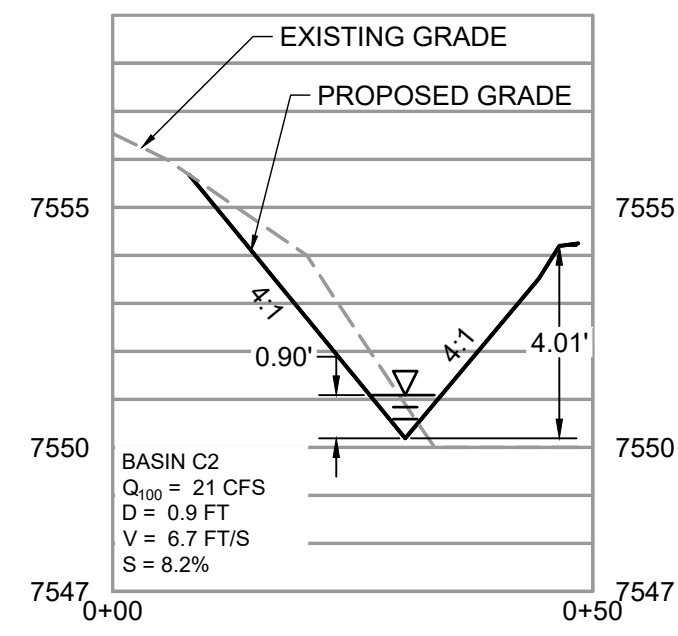
SECTION E-E



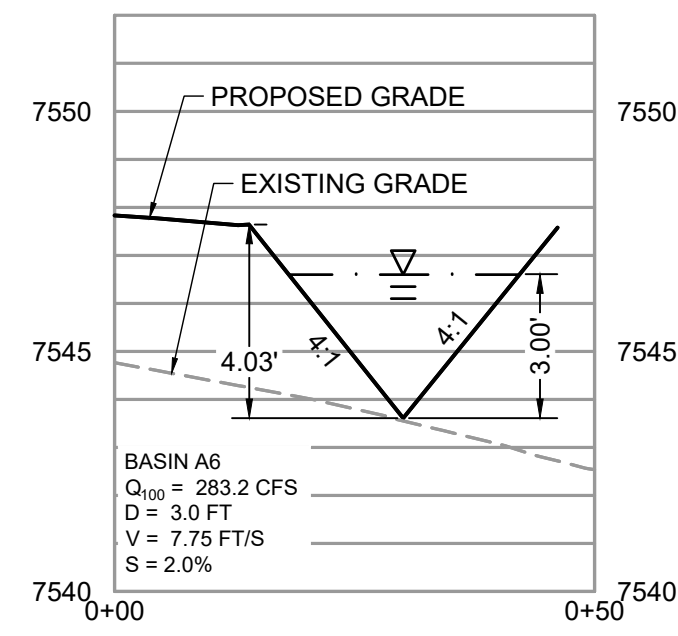
SECTION F-F



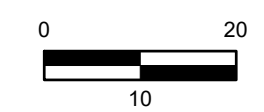
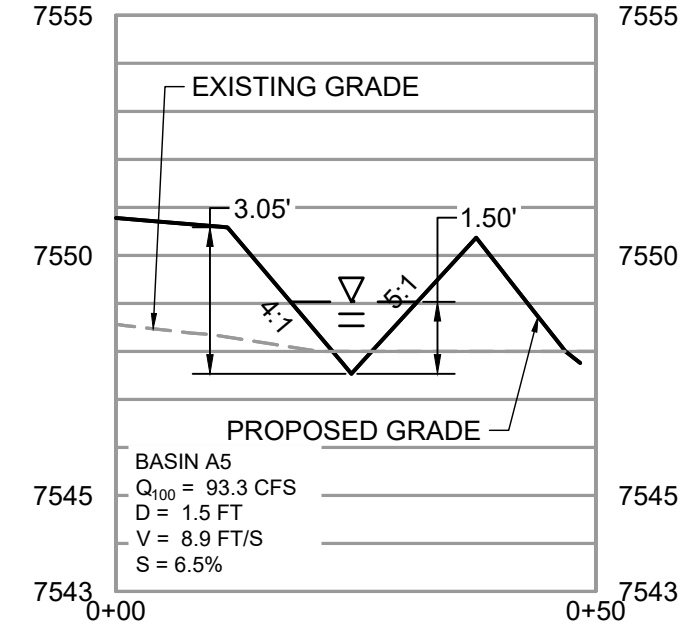
SECTION G-G



SECTION H-H



SECTION I-I



PCD FILE NO.: SF####

DRAWN BY: TMM JOB DATE: 9/13/2024 BAR IS ONE INCH ON OFFICIAL DRAWINGS.
 APPROVED: RHL JOB NUMBER: 210742.24 0" = 10' IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.
 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