

MAP NOTES

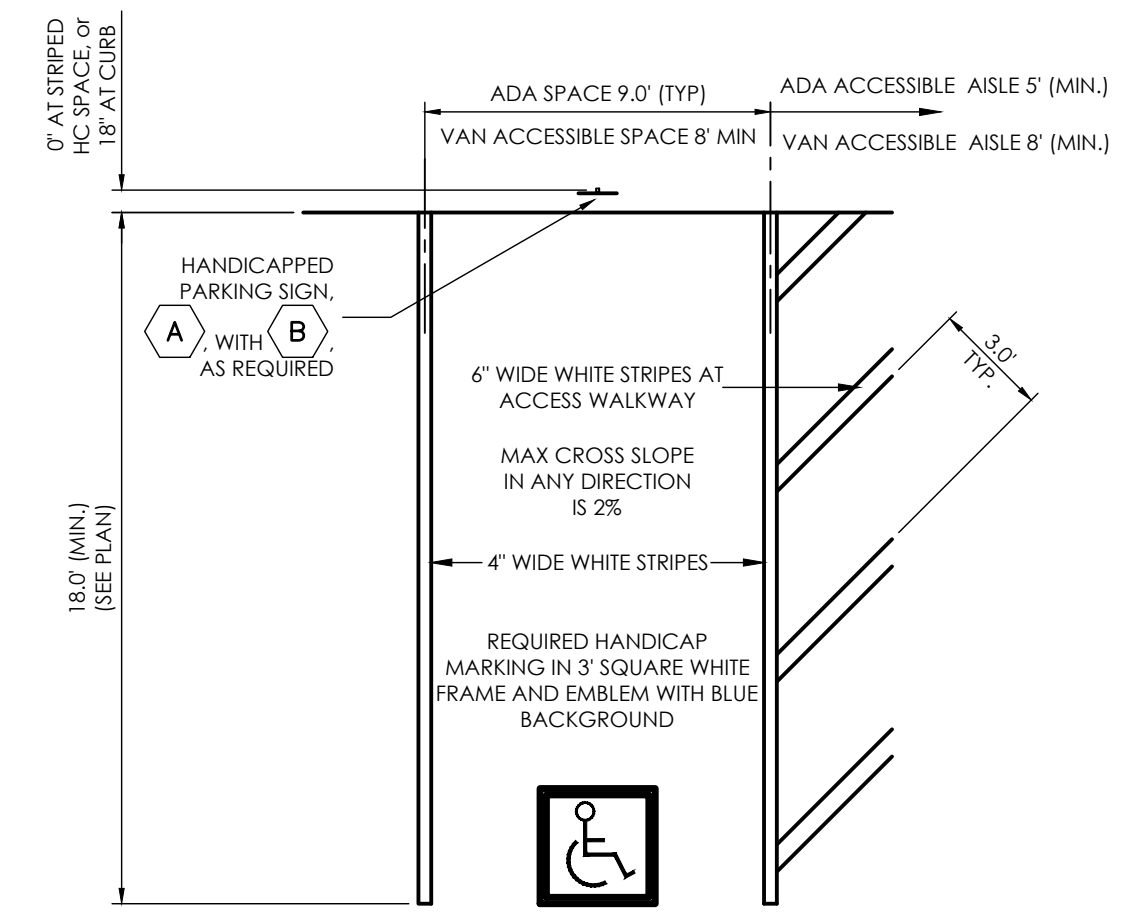
1. THE EXISTING TOPOGRAPHY SHOWN ON THIS PLAN WAS PREPARED AND PROVIDED BY CLARK LAND SURVEYING INC.
2. ALL EXISTING UNDERGROUND UTILITIES SHOWN ON THIS MAP ARE FROM UTILITY MAIN RECORD MAPS AND UTILITY SERVICE LOCATION MAPS. THE LOCATION OF UTILITIES AS SHOWN ARE APPROXIMATE. ALL UTILITIES MAY NOT BE SHOWN OR MAY NOT HAVE BEEN LOCATED. BELOW GROUND UTILITY LOCATIONS WERE NOT PERFORMED.



1. TYPOGRAPHY TO BE HELVETICA MEDIUM
2. ALL PRIMARY SIGNS TO BE MOUNTED ON METAL SIGN POST: 7'-0" ABOVE FINISH GRADE TO BOTTOM OF SIGN-TYP. ADDITIONAL PLACARD SIGNS SHALL BE MOUNTED AT LEAST 6'-0" ABOVE FINISH GRADE TO BOTTOM OF SIGN-TYP.
3. MOUNT HANDICAP SIGNAGE ON BUILDING.

SITE SIGNAGE LEGEND

SCALE 1" = 1'

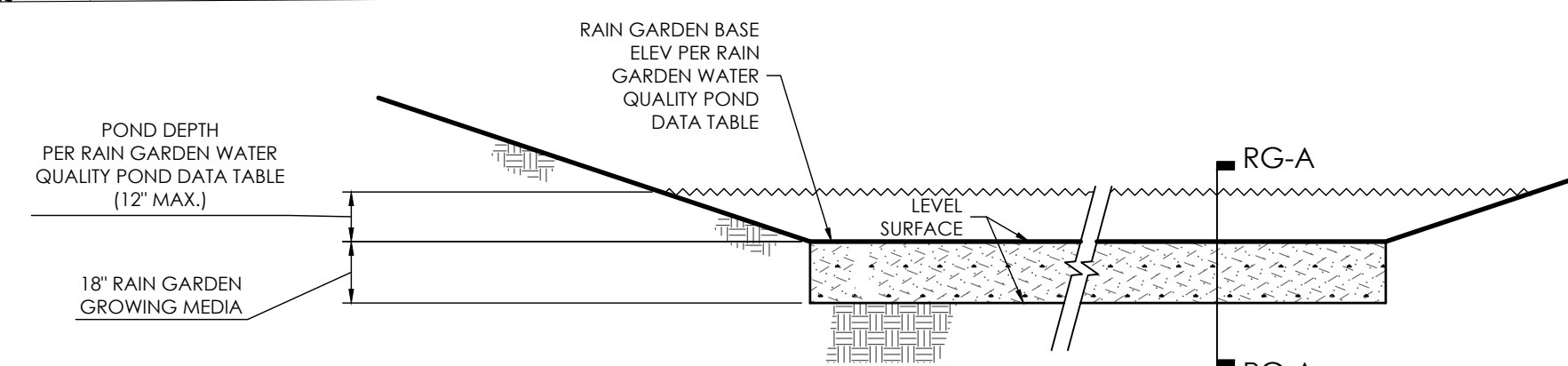


TYPICAL HANDICAP PARKING SPACE

SCALE 1" = 5'

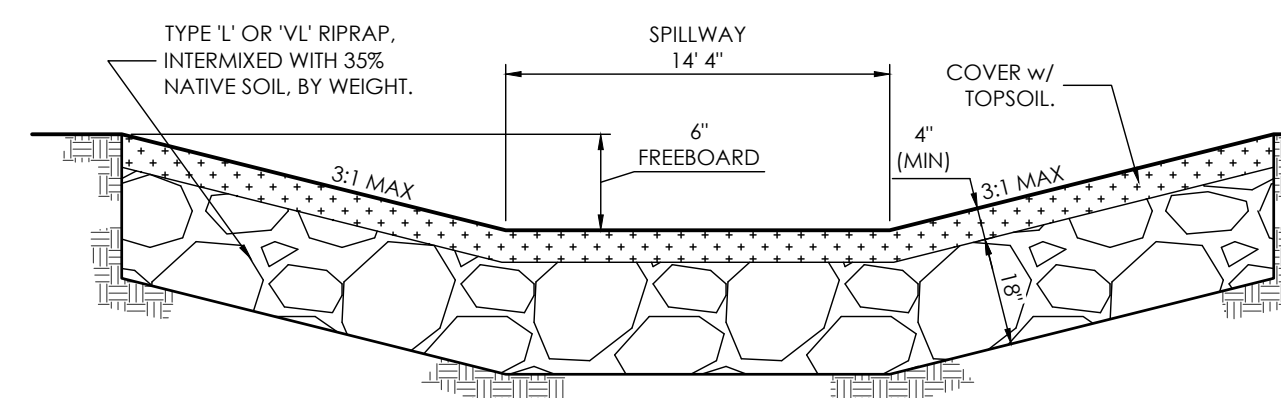
SITE PLAN SPECIFIC NOTES

1. INSTALL 43 LF 12" HDPE PIPE W/ FES @ 1.16% FES INV IN = 74.5 FES INV OUT = 74.0
 2. INSTALL GRASS SWALE. SEE DETAIL ON THIS SHEET.
 3. INSTALL RAIN GARDEN. SEE DETAIL ON THIS SHEET.
 4. INSTALL RIP-RAP SPILLWAY. SEE DETAIL ON THIS SHEET.
 5. INSTALL 4" CDOT CLASS 5 OR 4 AGGREGATE BASE COURSE, MIN LHVEM VALUE OF 84, MOISTURE TREATED TO WITHIN 2% OPTIMUM MOISTURE CONTENT AND COMPACTED TO 95% (±3%) MAX DRY DENSITY - MOD. PROCTOR (ASTM D1557/AASHTO T-180)
 6. INSTALL CONCRETE SIDEWALK 4" THICK (SEE DETAIL ON THIS SHEET)
 7. INSTALL CONCRETE PARKING STOP BLOCKS
 8. INSTALL CONCRETE PARKING AREA 6" THICK (SEE DETAIL ON THIS SHEET)
- A HANDICAP PARKING SIGN (SEE DETAILS ON THIS SHEET)
- B HANDICAP VAN PARKING SIGN (SEE DETAILS ON THIS SHEET)



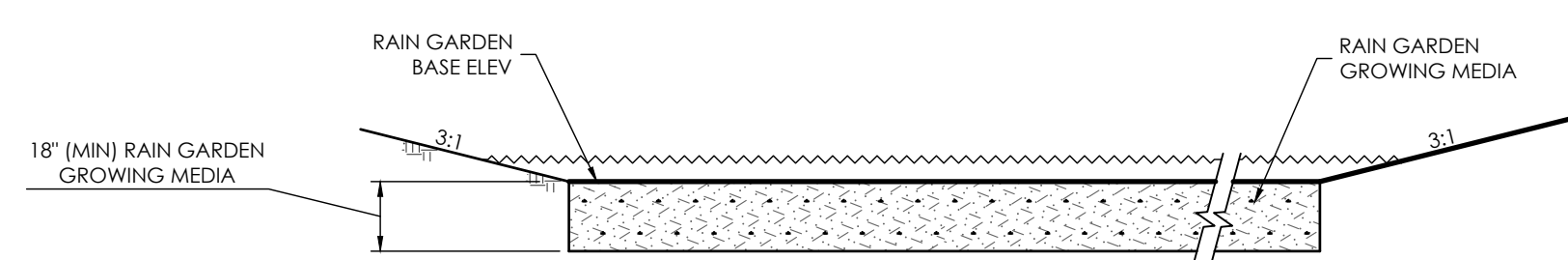
PHASE I RAIN GARDEN DETAIL

SCALE: NTS



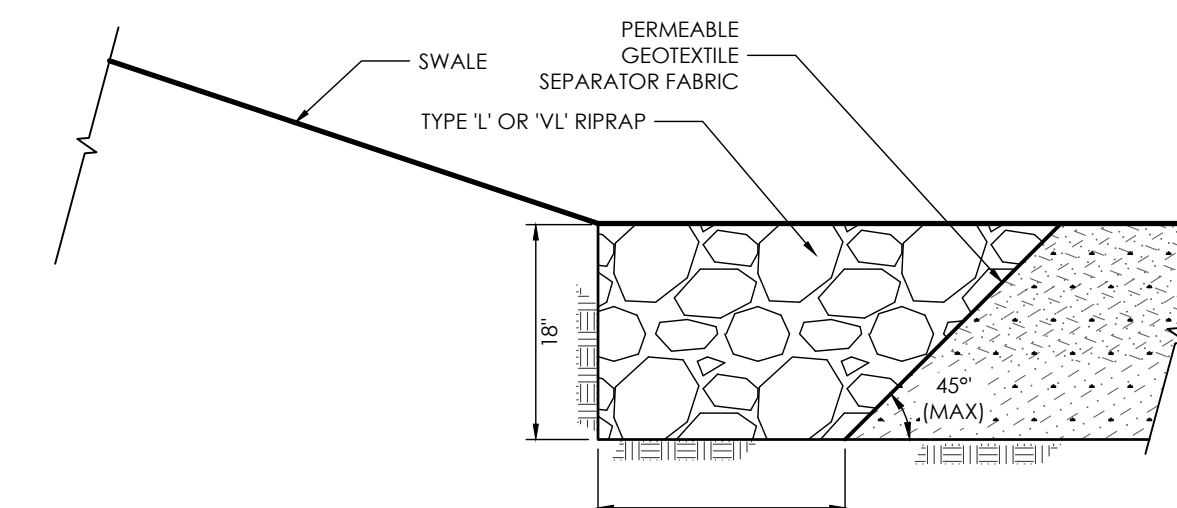
SPILLWAY DETAIL

SCALE: NTS



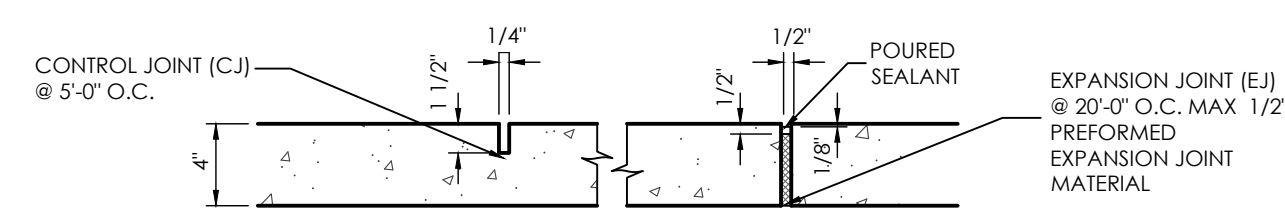
SECTION 'RG-A'

SCALE: NTS



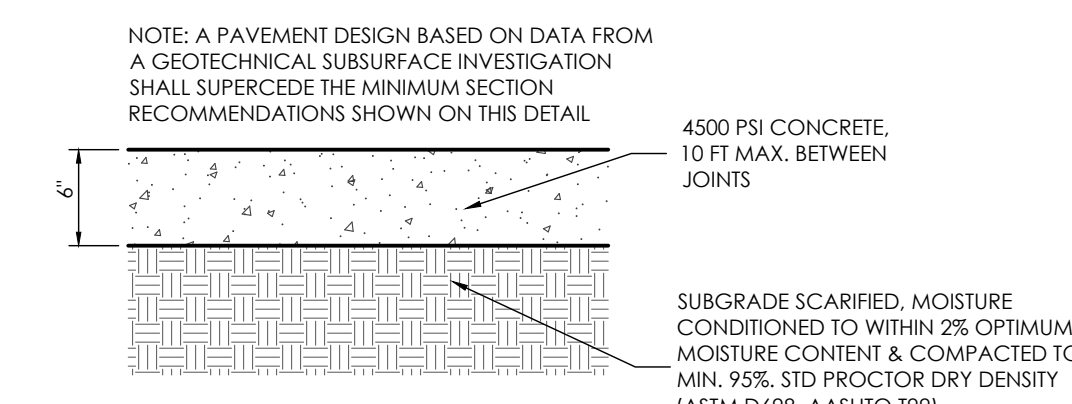
CONCENTRATED IN-FLOW DETAIL

SCALE: NTS



TYPICAL SIDEWALK DETAIL

SCALE 1" = 4.0'



PAVEMENT SECTION VEHICLE TRAFFIC AREAS (CONCRETE)

SCALE 1" = 1.0'

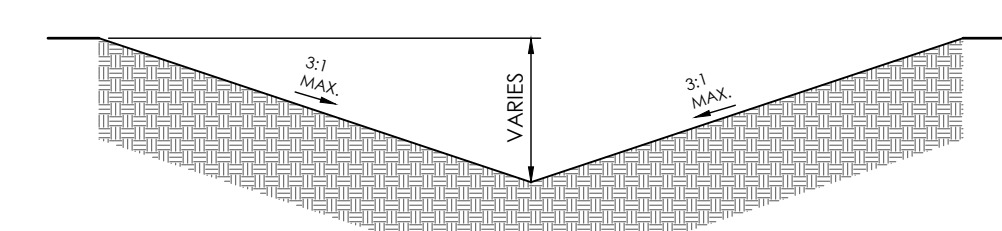
RAIN GARDEN, SPECIFICATIONS, NOTES & REFERENCES:

- REFERENCE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT (UDFCD), URBAN STORM DRAINAGE CRITERIA MANUAL VOLUME 3, SECTION T-3. FOR FULL SET OF RAIN GARDEN DETAILS AND SPECIFICATIONS AS IDENTIFIED.
- GROWING MEDIA: BY WEIGHT, USE 3-5% ORGANIC MATERIAL: 95-97% GROWING MEDIA SAND
 - ORGANIC MATERIAL - LOOSELY PACKED, SHREDED MULCH - AGED 6 MONTHS (MIN.)
 - GROWING MEDIA SAND - PER SOIL MATERIAL GRADATION TABLE
 - pH - 4.8-7.5
 - NITROGEN - 15 ppm (MAX)
 - PHOSPHORUS - 15 ppm (MAX)
 - SALINITY - 6 mmhos/cm (MAX)
- VEGETATION - SELECT PLANTS THAT ARE DROUGHT RESISTANT AND THRIVE IN SANDY SOIL. OPTIONAL: USE NATIVE SEED MIX PER RAIN GARDEN SEED MIX TABLE. AGGRESSIVE WEED CONTROL PROCEDURES WILL HELP THE DESIRED VEGETATION TO BECOME ESTABLISHED.
- CONCENTRATED INFLOW - PER CONCENTRATED INFLOW DETAIL.

STANDARD SIEVE SIZE	% PASSING GROWING MEDIA ^{1,2}	RAIN GARDEN SEED MIX TABLE ³	
		COMMON NAME	LB/AC PLS ²
1-1/2"		SAND BLUESTEM	3.5
3/4"		SIDE-OATS GRAMA	3
NO. 4	100	PRAIRIE SANDREED	3
NO. 10	85-100	INDIAN RICEGRASS	3
NO. 50		SWITCHGRASS	4
NO. 100		WESTERN WHEATGRASS	3
NO. 200	80-90	LITTLE BLUESTEM	3
NO. 230	3-17	ALKALI SACATON	3
		SAND DROPSIED	3
		TOTAL	27.5

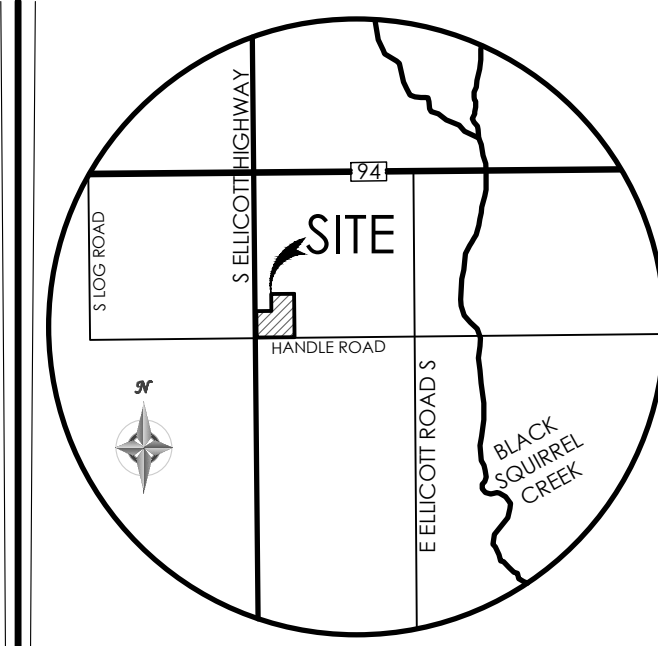
RAIN GARDEN ONLY
LESS THAN 1.5% ORGANIC MATERIAL

SEE UDFCD TABLE B-3 FOR SCIENTIFIC NAMES AND WILDFLOWER MIX OPTION
¹PS = PURE LIVE SEED



TYPICAL SWALE

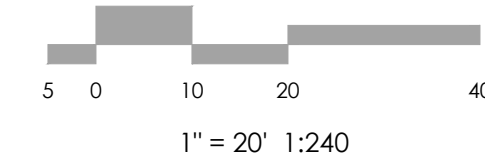
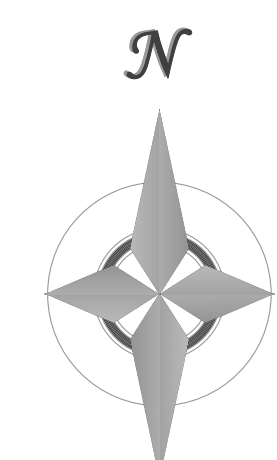
SCALE 1" = 1.0'



VICINITY MAP

NOT TO SCALE

BENCHMARK
THE EXISTING TOPOGRAPHY SHOWN ON THIS PLAN WAS PREPARED BY AND PROVIDED BY CLARK LAND SURVEYING INC. ELEVATIONS SHOWN ARE RELATIVE TO THE NAVD 88 VERTICAL DATUM.



MVE, INC.
ENGINEERS & SURVEYORS

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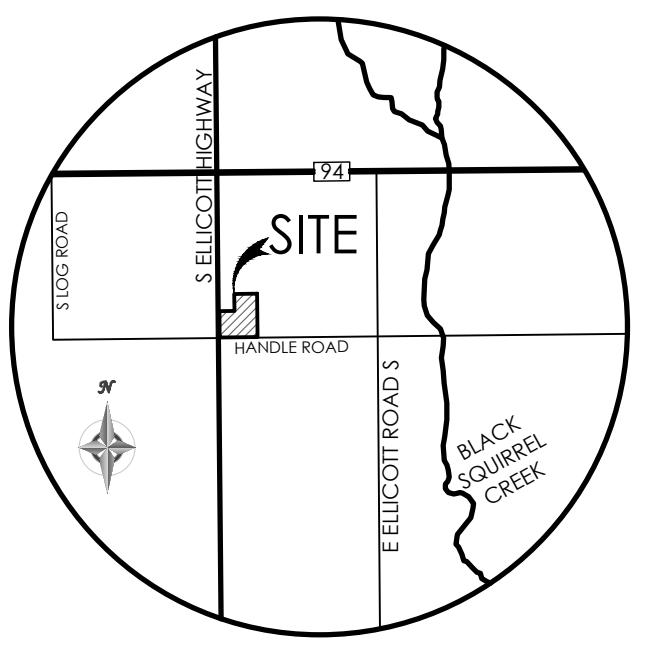
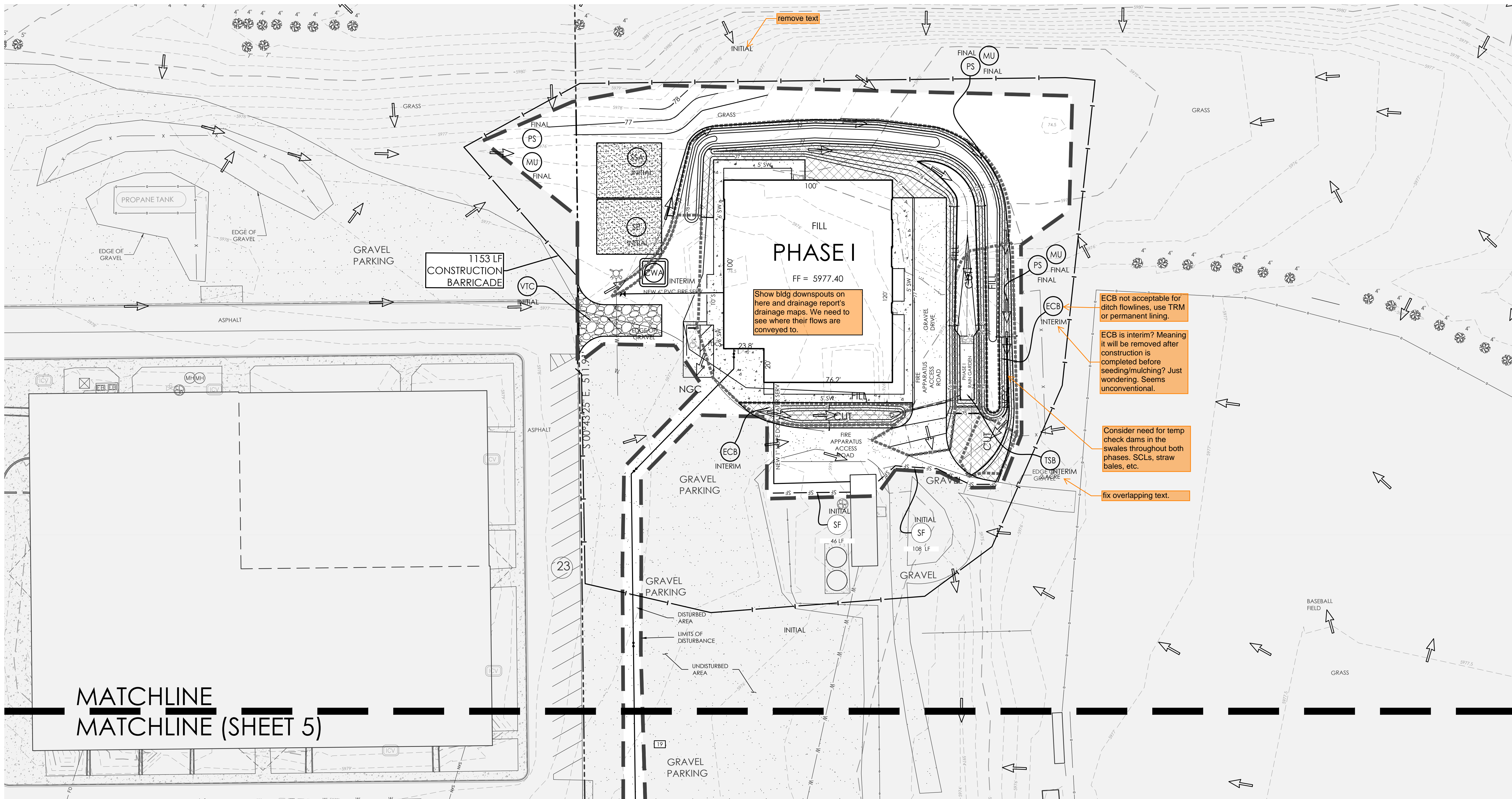
ELLICOTT SCHOOL ADDITION 2 BLDGS

PHASE I GRADING PLAN

C1.2 MVE PROJECT 61183
MVE DRAWING GEC-GP-I

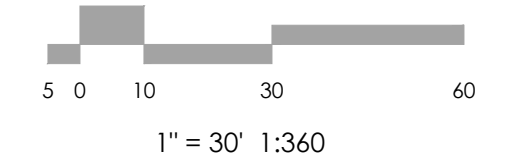
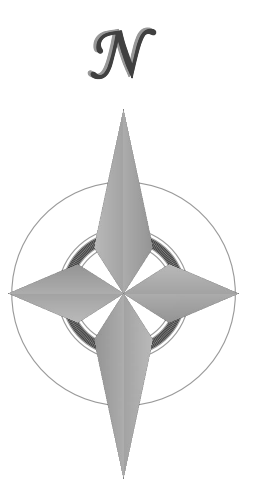
NOVEMBER 28, 2022
SHEET 2 OF 7

PCD FILE # PPR2250



VICINITY MAP
NOT TO SCALE

BENCHMARK
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MVE, INC.
ENGINEERS / SURVEYORS
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CHECKED BY _____

ELLICOTT SCHOOL
ADDITION 2 BLDGS

PHASE I EROSION
CONTROL PLAN

C1.3 MVE PROJECT 61183
MVE DRAWING GEC-EC-1

NOVEMBER 28, 2022
SHEET 3 OF 7

MATCHLINE
MATCHLINE (SHEET 5)

BMP LEGEND

MAP SYMBOL	KEY	DESCRIPTION
	CWA	CONCRETE WASHOUT AREA
	SF	SILT FENCE
	SCL	SEDIMENT CONTROL LOG
	VTC	VEHICLE TRACKING CONTROL
	IP	INLET PROTECTION
	RS	ROCK SOCK
	SSA	STABILIZED STAGING AREA
	SP	STOCKPILE PROTECTION
	SBB	STRAW BALE BARRIER
		CONSTRUCTION FENCE
	ECB	EROSION CONTROL BLANKET
	TSB	TEMPORARY SEDIMENT BASIN
		LIMITS OF CONSTRUCTION SITE BOUNDARIES
		LIMITS OF CUT/FILL/NO GRADE CHANGE
		LIMITS OF SOIL TYPE
		FLOW ARROW
	PS	PERMANENT SEEDING
	MU	MULCHING

UNDISTURBED AREA / LIMITS OF DISTURBANCE / DISTURBED AREA

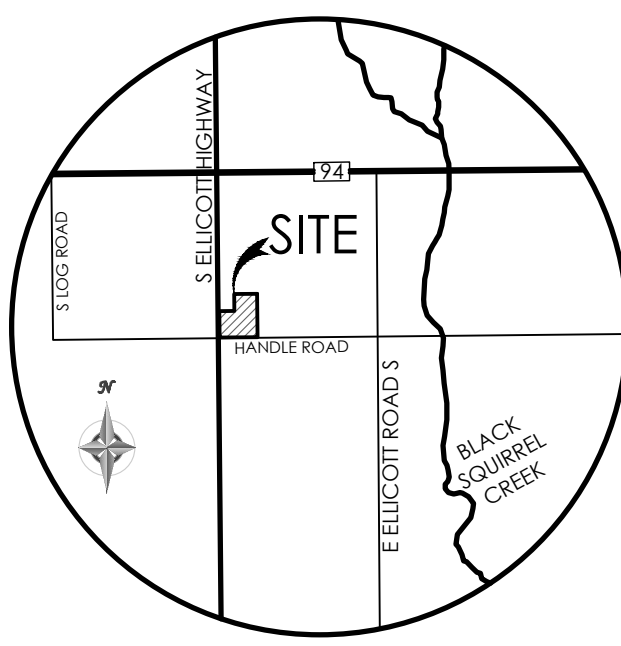
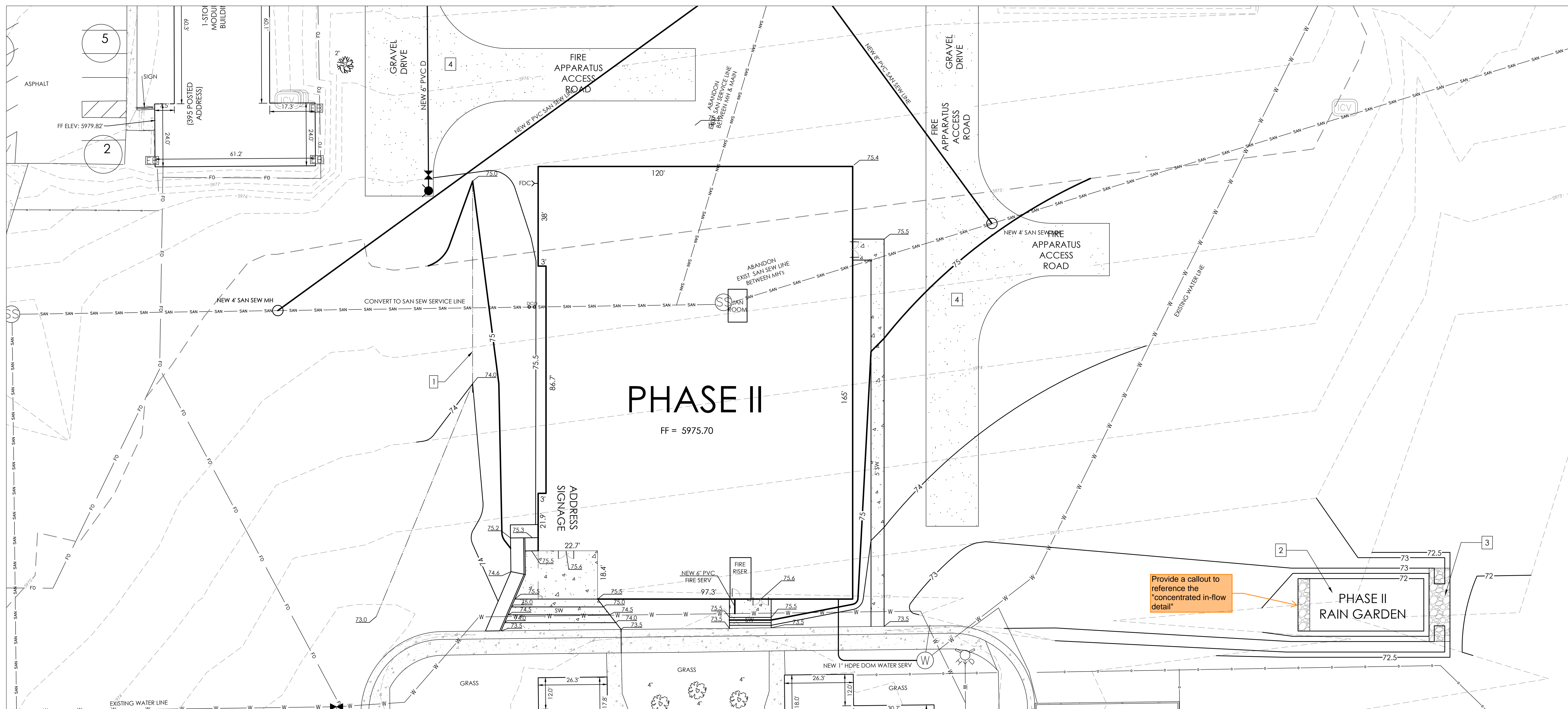
CUT / FILL / NGC

FOR PERMANENT SEEDING, PLEASE SEE NATIVE SEED ESTABLISHMENT SECTION OF ALTERNATIVE LANDSCAPE PLAN

HYDROLOGIC SOIL GROUP	
MAP UNIT NUMBER	DESCRIPTION
19	COLUMBINE GRAVELLY SANDY LOAM

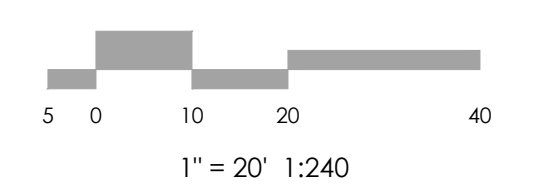
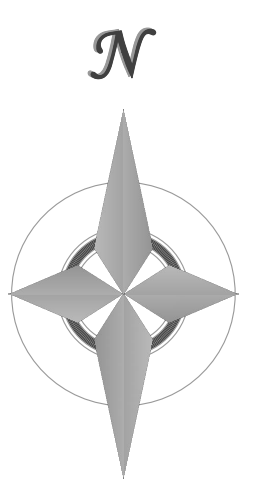
SOIL DATA	
PRIMARY SOIL DESCRIPTION	COLUMBINE GRAVELLY SANDY LOAM
PERMEABILITY	VERY RAPID
SURFACE RUNOFF	VERY LOW
HAZARD OF EROSION	SLIGHT/MODERATE
HYDROLOGIC SOIL GROUP	A

NOTE:
CONTRACTOR TO INSTALL CONSTRUCTION BARRICADE AS SHOWN ON THIS PLAN.



VICINITY MAP
NOT TO SCALE

BENCHMARK
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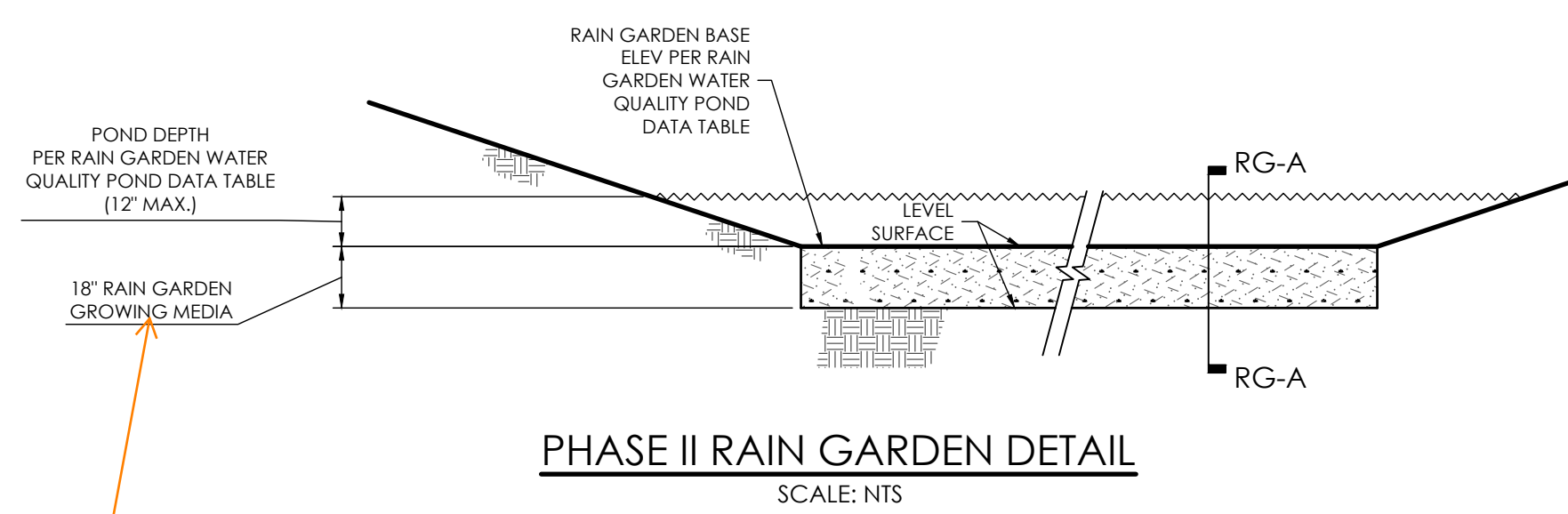


SITE PLAN SPECIFIC NOTES

1. INSTALL GRASS SWALE. SEE DETAIL ON THIS SHEET.
2. INSTALL RAIN GARDEN. SEE DETAIL ON THIS SHEET.
3. INSTALL RIP-RAP SPILLWAY. SEE DETAIL ON THIS SHEET.
4. INSTALL 6" CDOT CLASS 5 OR 6 AGGREGATE BASE COURSE, MIN L HVEEM VALUE OF 84. MOISTURE TREATED TO WITHIN 2% OPTIMUM MOISTURE CONTENT AND COMPACTED TO 95% (±3%) MAX DRY DENSITY - MOD. PROCTOR (ASTM D1557/AASHTO T-180)

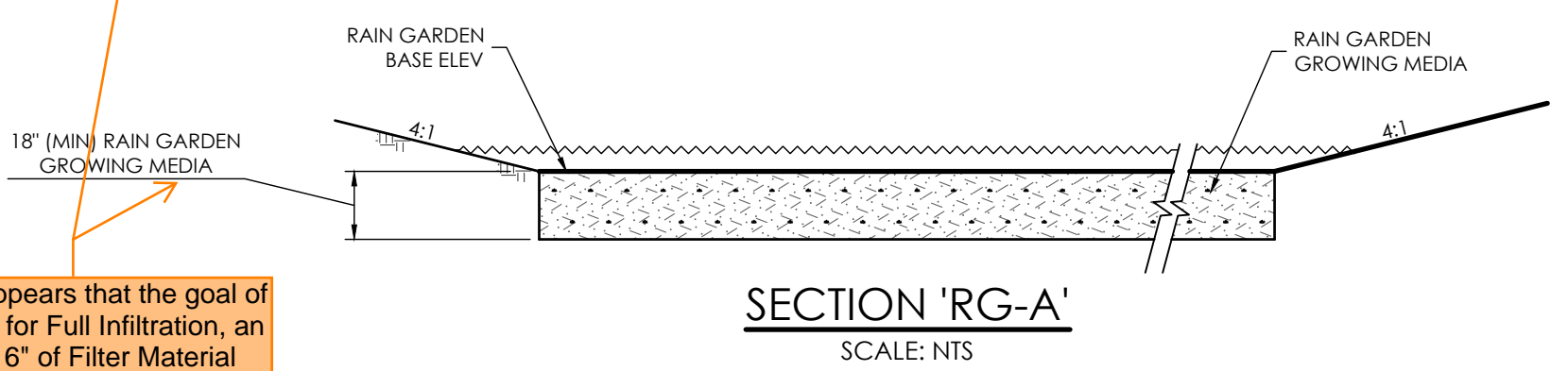
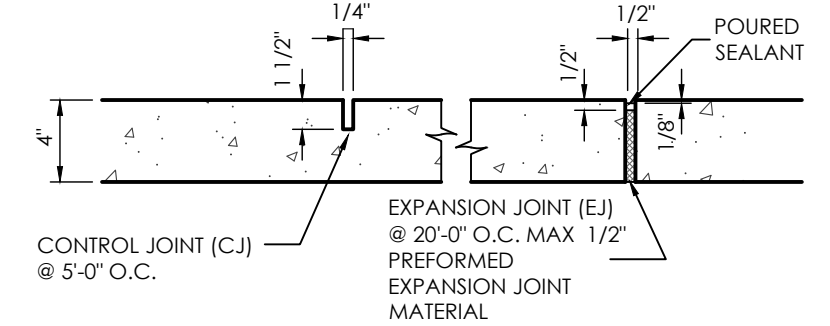
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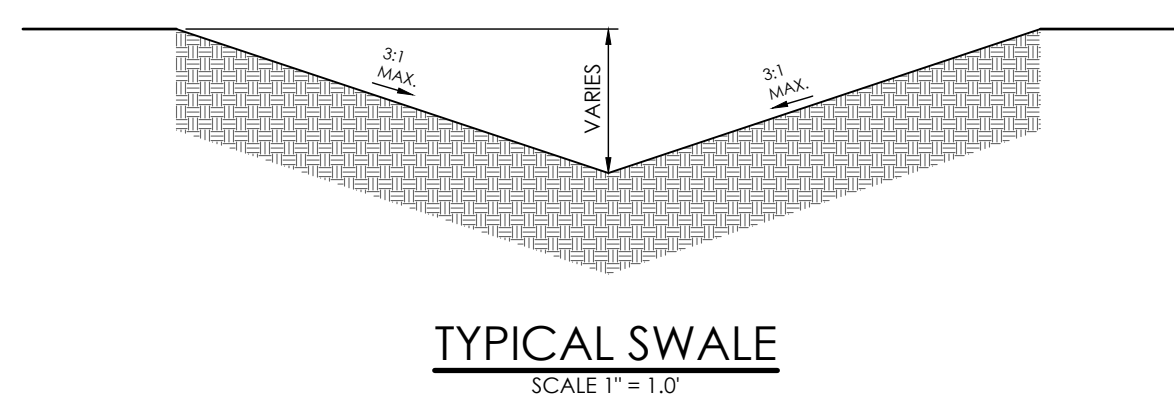
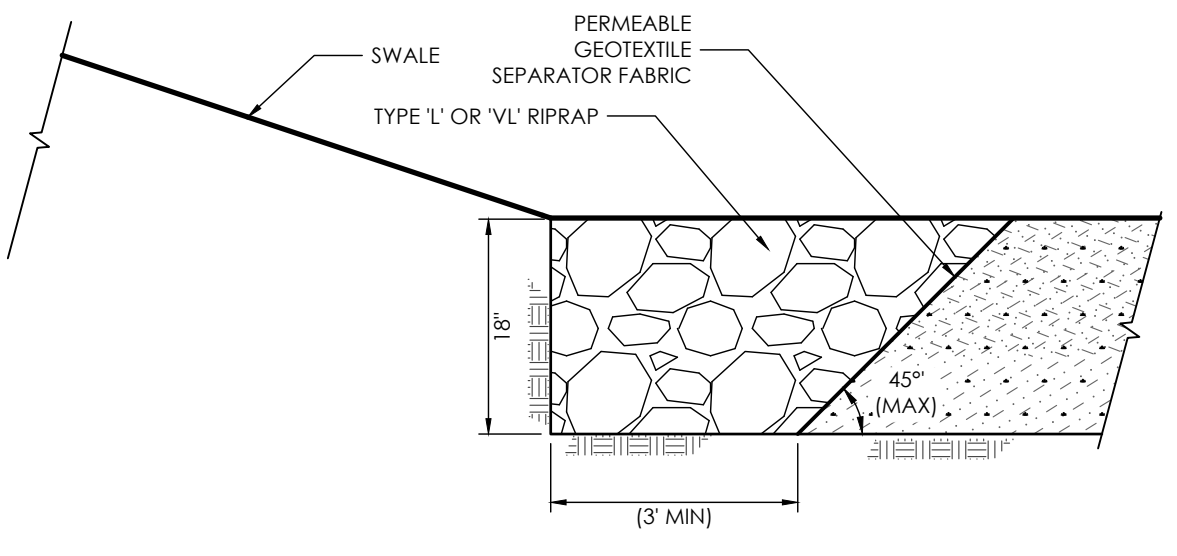
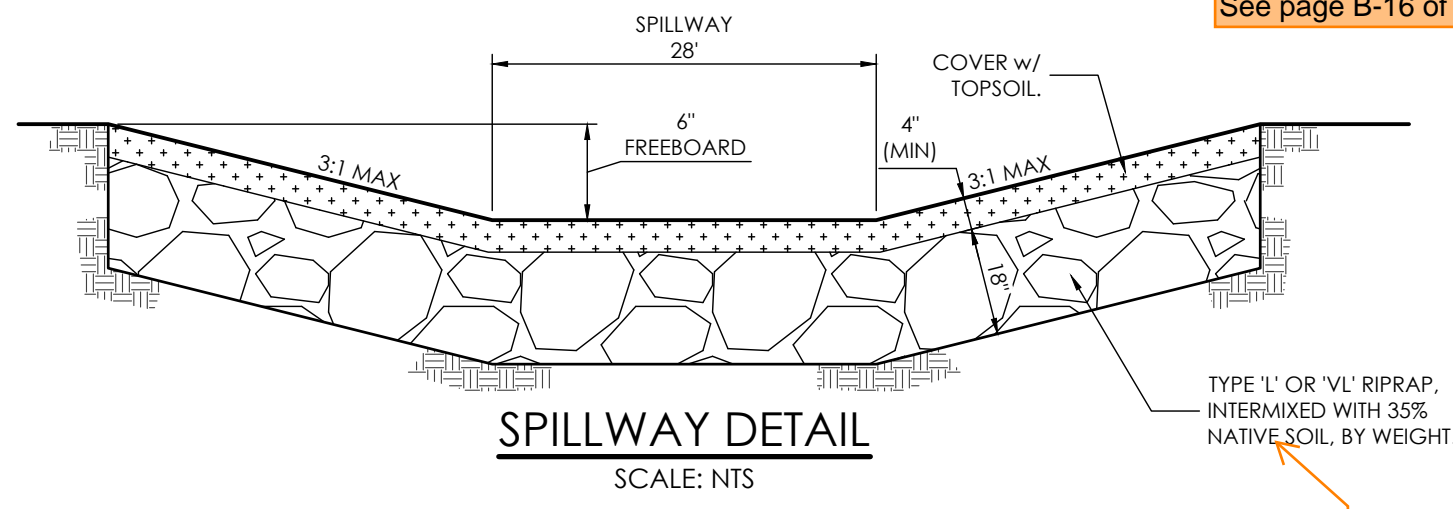
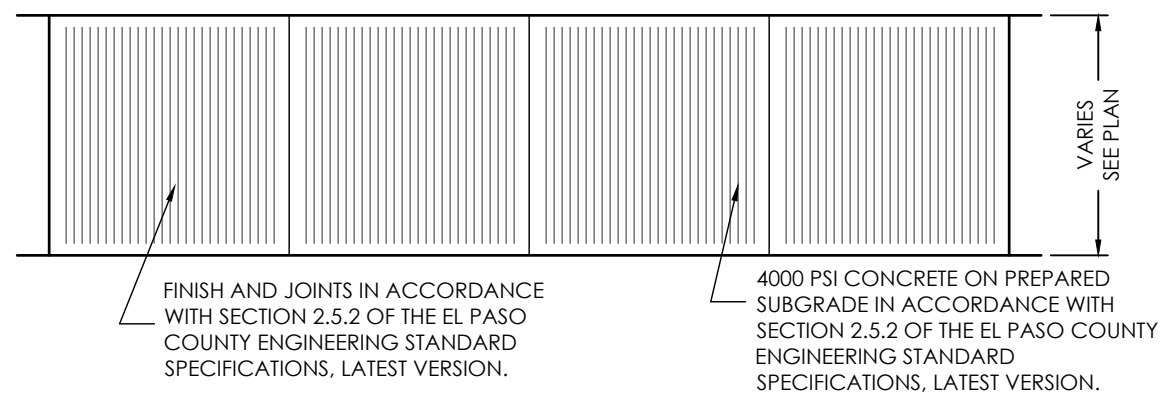
RAIN GARDEN. SPECIFICATIONS, NOTES & REFERENCES:
REFERENCE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT (UDFCD), URBAN STORM DRAINAGE CRITERIA MANUAL VOLUME 3, SECTION T-3, FOR FULL SET OF RAIN GARDEN DETAILS AND SPECIFICATIONS AS IDENTIFIED.

- **GROWING MEDIA** (BY WEIGHT, USE 3-5% ORGANIC MATERIAL; 95-97% GROWING MEDIA SAND)
 - ORGANIC MATERIAL - LOOSELY PACKED, SHREDDED MULCH - AGED 6 MONTHS (MIN.)
 - GROWING MEDIA SAND - PER SOIL MATERIAL GRADATION TABLE
 - pH - 6.8-7.5
 - NITROGEN - 15 ppm (MAX)
 - PHOSPHORUS - 15 ppm (MAX)
 - SALINITY - 6 mmhos/cm (MAX)
- **VEGETATION** - SELECT PLANTS THAT ARE DROUGHT RESISTANT AND THRIVE IN SANDY SOIL. OPTIONAL: USE NATIVE SEED MIX PER RAIN GARDEN SEED MIX TABLE. AGGRESSIVE WEED CONTROL PROCEDURES WILL HELP THE DESIRED VEGETATION TO BECOME ESTABLISHED.
- **CONCENTRATED INFLOW** - PER CONCENTRATED INFLOW DETAIL.



STANDARD SIEVE SIZE	% PASSING GROWING MEDIA ^{1,2}	RAIN GARDEN SEED MIX TABLE ¹ (SOURCE: UDFCD BORETHERION (RG) TABLE B-3)	
		COMMON NAME	LB/AC PLS ²
1-1/2"		SAND BLUESTEM	3.5
3/4"		SIDE-OATS GRAMA	3
NO. 4	100	PRAIRIE SANDREED	3
NO. 10	85-100	INDIAN RICEGRASS	3
NO. 50		SWITCHGRASS	4
NO. 100		WESTERN WHEATGRASS	3
NO. 200	80-90	LITTLE BLUESTEM	3
NO. 230	3-17	ALKALI SACATON	3
		SAND DROPSOED	3
		TOTAL	27.5

¹RAIN GARDEN ONLY
²LESS THAN 1.5% ORGANIC MATERIAL
SEE UDFCD TABLE B-3 FOR SCIENTIFIC NAMES AND WILDFLOWER MIX OPTION
³PLS = PURE LIVE SEED



Since it appears that the goal of this RG is for Full Infiltration, an additional 6" of Filter Material below this Growing Media is necessary. And a separator fabric below the Filter Material. See page B-16 of detail T-3.

clarify that this means "soil riprap"

REVISIONS

DESIGNED BY _____
DRAWN BY _____
CHECKED BY _____
AS-BUILTS BY _____
CHECKED BY _____

ELLICOTT SCHOOL
ADDITION 2 BLDGS

PHASE II
GRADING PLAN

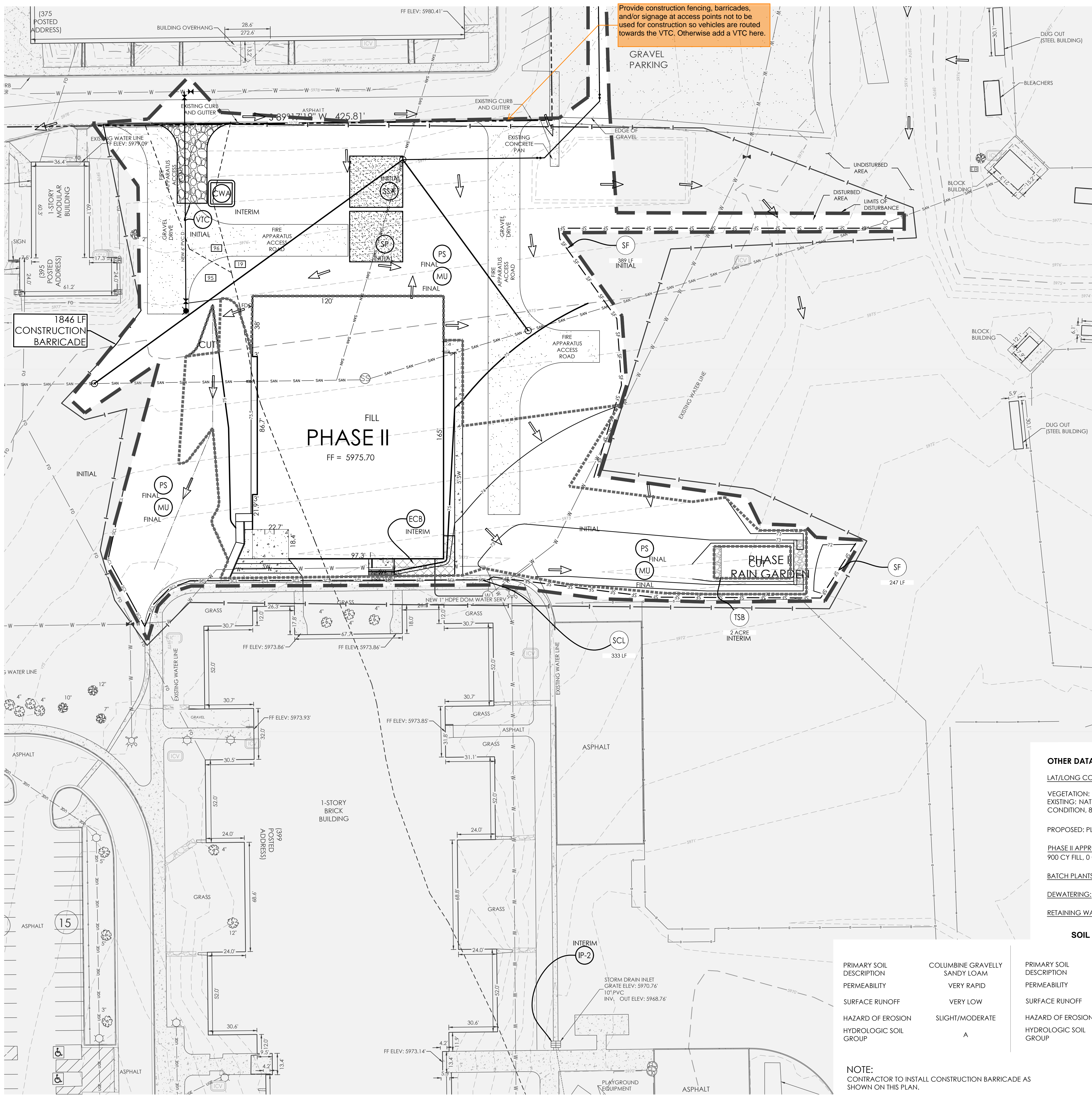
C1.4 MVE PROJECT 61183
MVE DRAWING GEC-GP-II

NOVEMBER 28, 2022
SHEET 4 OF 7

PCD FILE # PPR2250

MVE, INC.
ENGINEERS & SURVEYORS

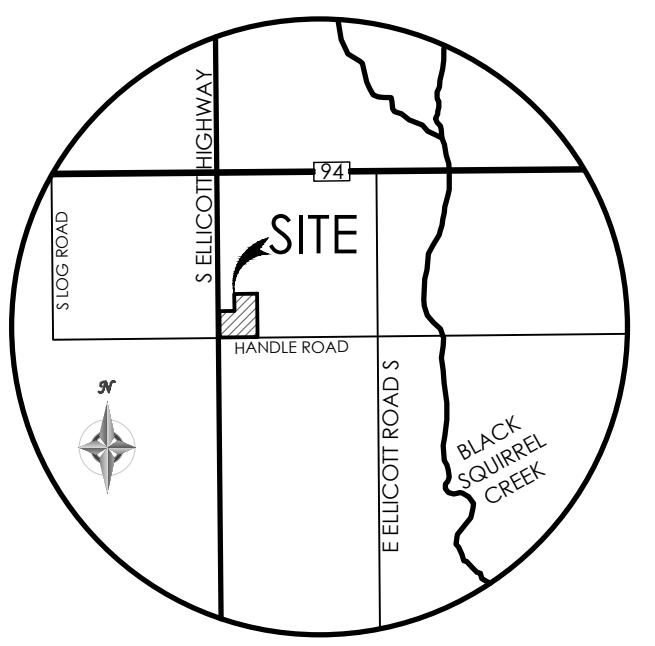
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Provide construction fencing, barricades, and/or signage at access points not to be used for construction so vehicles are routed towards the VTC. Otherwise add a VTC here.

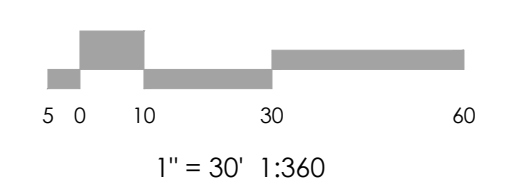
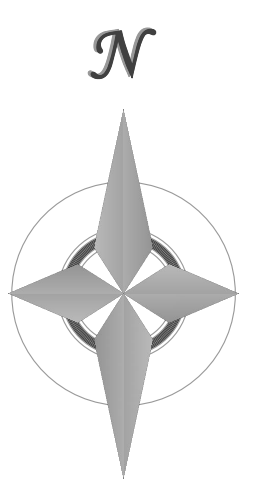
BMP LEGEND

- | MAP SYMBOL | KEY | DESCRIPTION |
|------------|-----|--|
| | CWA | CONCRETE WASHOUT AREA |
| | SF | SILT FENCE |
| | SCL | SEDIMENT CONTROL LOG |
| | VTC | VEHICLE TRACKING CONTROL |
| | IP | INLET PROTECTION |
| | RS | ROCK SOCK |
| | SSA | STABILIZED STAGING AREA |
| | SP | STOCKPILE PROTECTION |
| | SBB | STRAW BALE BARRIER |
| | | CONSTRUCTION FENCE |
| | ECB | EROSION CONTROL BLANKET |
| | TSB | TEMPORARY SEDIMENT BASIN |
| | | LIMITS OF CONSTRUCTION SITE BOUNDARIES |
| | | LIMITS OF CUT/FILL/NO GRADE CHANGE |
| | | LIMITS OF SOIL TYPE |
| | | FLOW ARROW |
| | PS | PERMANENT SEEDING |
| | MU | MULCHING |
- FOR PERMANENT SEEDING, PLEASE SEE NATIVE SEED ESTABLISHMENT SECTION OF ALTERNATIVE LANDSCAPE PLAN. SYMBOLS SHOWN IN LEGEND SHALL BE USED BY SWMP ADMINISTRATOR TO ANNOTATE ANY CHANGES AND/OR ADDITIONS TO THIS PLAN.



VICINITY MAP
NOT TO SCALE

BENCHMARK
THE EXISTING TOPOGRAPHY SHOWN ON THIS PLAN WAS PREPARED AND PROVIDED BY CLARK LAND SURVEYING INC. ELEVATIONS SHOWN ARE RELATIVE TO THE NAVD 88 VERTICAL DATUM.



OTHER DATA

LAT/LONG COORDS: 38°49'34.17"N / 104°23'08.48"W"

VEGETATION: EXISTING: NATIVE PRAIRIE GRASSES AND WEEDS IN AVERAGE CONDITION, 80% COVERAGE
PROPOSED: PLANTINGS & RESEEDING PER LANDSCAPE PLAN

PHASE II APPROX. EARTHWORK QUANTITIES:
900 CY FILL, 0 CY CUT

BATCH PLANTS: NONE

DEWATERING: NONE

RETAINING WALLS: NONE

SOIL DATA

PRIMARY SOIL DESCRIPTION	COLUMBINE GRAVELLY SANDY LOAM	PRIMARY SOIL DESCRIPTION	TRUCKTON LOAMY SAND	PRIMARY SOIL DESCRIPTION	TRUCKTON SANDY LOAM
PERMEABILITY	VERY RAPID	PERMEABILITY	MODERATELY RAPID	PERMEABILITY	MODERATELY RAPID
SURFACE RUNOFF	VERY LOW	SURFACE RUNOFF	LOW	SURFACE RUNOFF	VERY LOW
HAZARD OF EROSION	SLIGHT/MODERATE	HAZARD OF EROSION	MODERATE/HIGH	HAZARD OF EROSION	MODERATE
HYDROLOGIC SOIL GROUP	A	HYDROLOGIC SOIL GROUP	A	HYDROLOGIC SOIL GROUP	A

NOTE: CONTRACTOR TO INSTALL CONSTRUCTION BARRICADE AS SHOWN ON THIS PLAN.

HYDROLOGIC SOIL GROUP	
MAP UNIT NUMBER	DESCRIPTION
19	COLUMBINE GRAVELLY SANDY LOAM
95	TRUCKTON LOAMY SAND
96	TRUCKTON SANDY LOAM

REVISIONS

DESIGNED BY _____
CHECKED BY _____
AS-BUILTS BY _____
CHECKED BY _____

ELLICOTT SCHOOL ADDITION 2 BLDGS

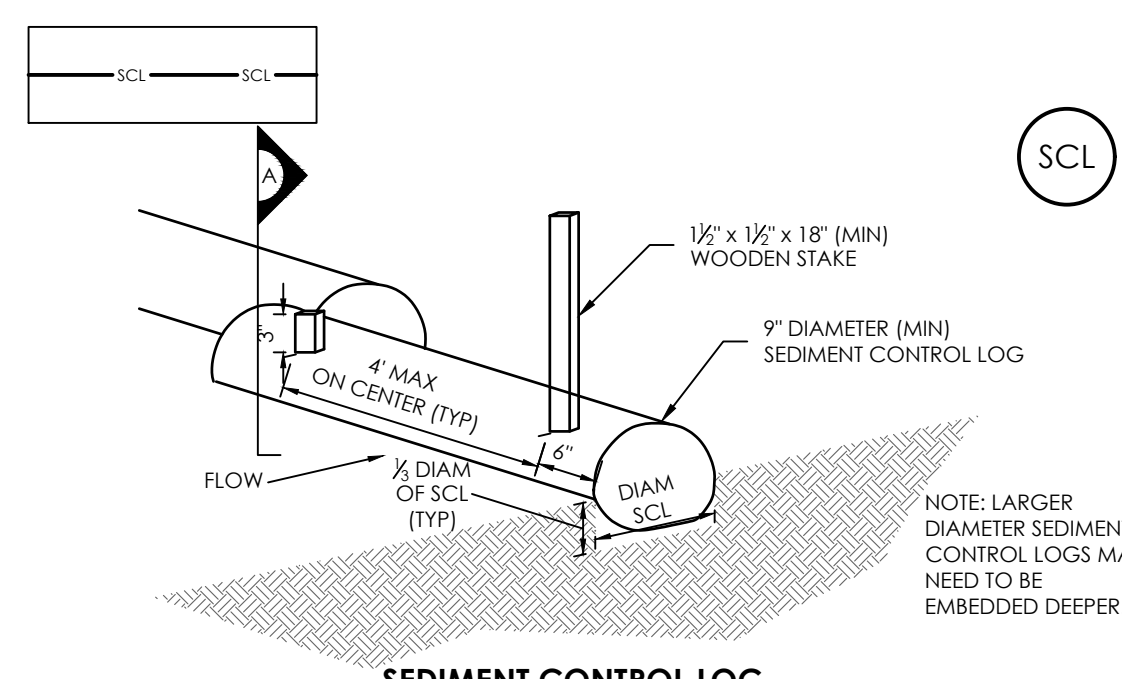
PHASE II EROSION CONTROL PLAN

C1.5 MVE PROJECT 61183
MVE DRAWING GEC-EC-II

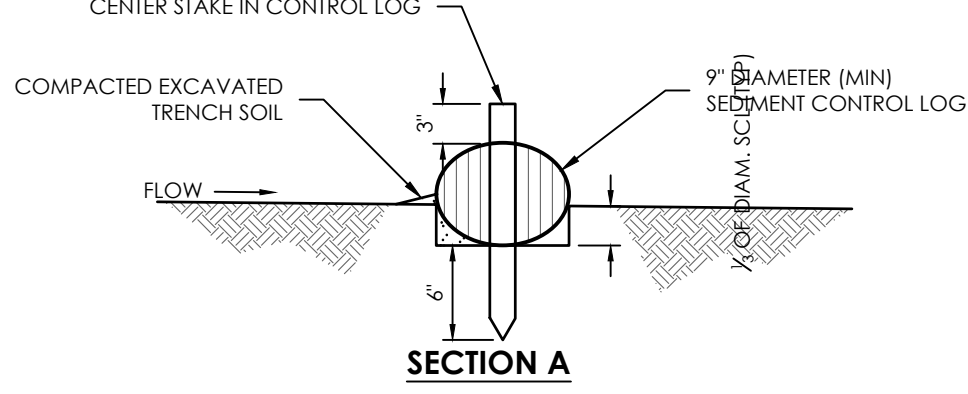
NOVEMBER 28, 2022
SHEET 5 OF 7

PCD FILE # PPR2250

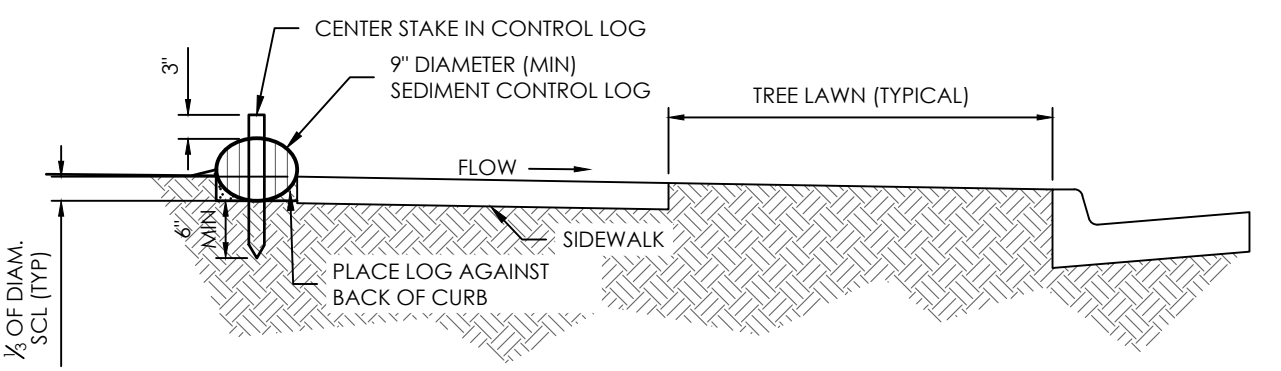




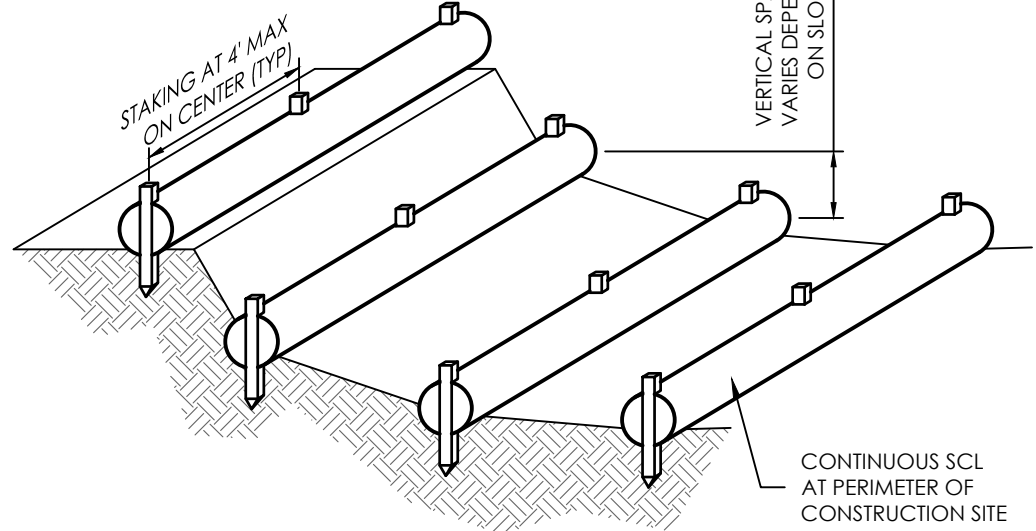
SEDIMENT CONTROL LOG



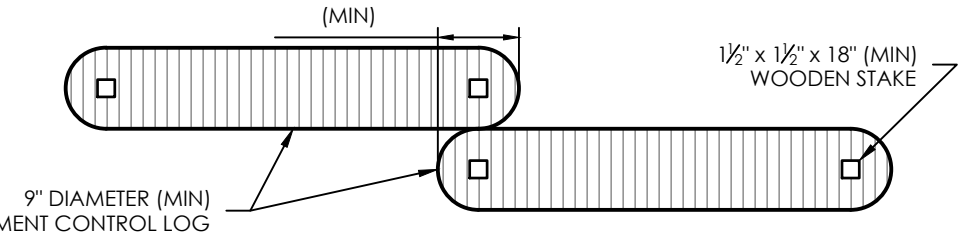
SCL-2. SEDIMENT CONTROL LOG AT BACK OF CURB



SCL-3. SEDIMENT CONTROL LOG AT SIDEWALK WITH TREE LAWN



SCL-4. SEDIMENT CONTROL LOGS TO CONTROL SLOPE LENGTH

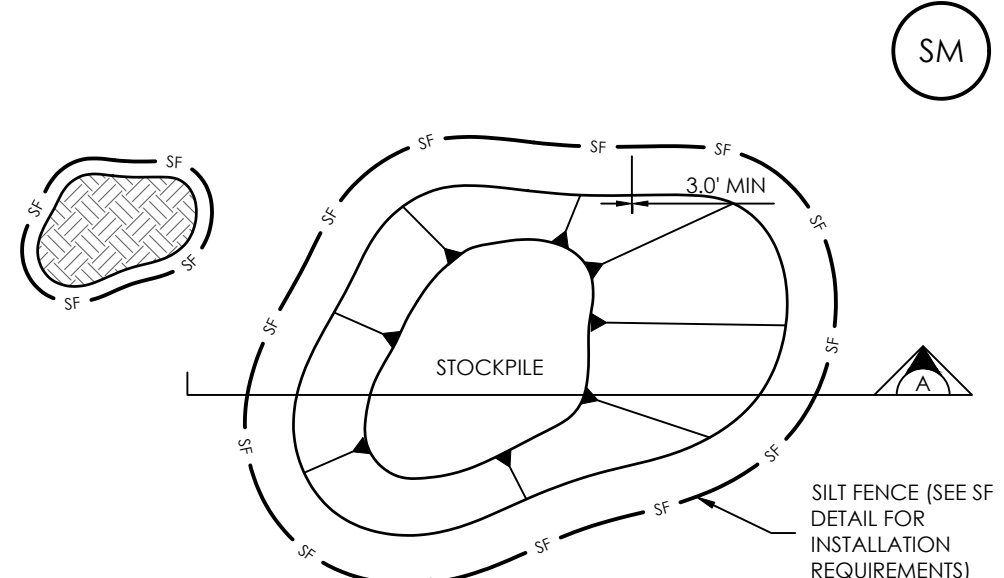


SEDIMENT CONTROL LOG JOINTS

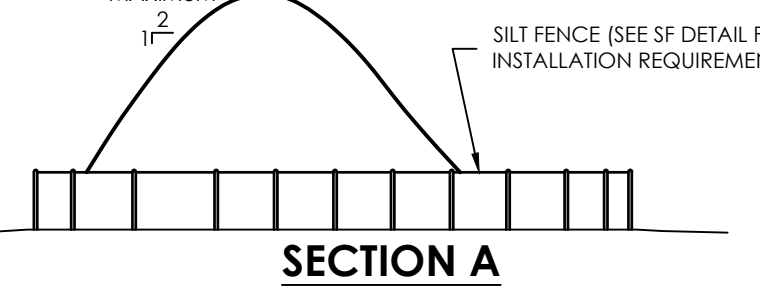
SCL-1. SEDIMENT CONTROL LOG

- SEDIMENT CONTROL LOG INSTALLATION NOTES:**
- SEE PLAN VIEW FOR LOCATION AND LENGTH OF SEDIMENT CONTROL LOGS.
 - SEDIMENT CONTROL LOGS THAT ACT AS A PERIMETER CONTROL SHALL BE INSTALLED PRIOR TO ANY UPGRADE/LAND-DISTURBING ACTIVITIES.
 - SEDIMENT CONTROL LOGS SHALL CONSIST OF STRAW, COMPOST, EXCELSDOR OR COCONUT FIBER, AND SHALL BE FREE OF ANY NOXIOUS WEED SEEDS OR DEFECTS INCLUDING RIPS, HOLES AND OBVIOUS WEAR.
 - SEDIMENT CONTROL LOGS MAY BE USED AS SMALL CHECK DAMS IN DITCHES AND SWALES. HOWEVER, THEY SHOULD NOT BE USED IN PERENNIAL STREAMS OR HIGH VELOCITY DRAINAGE WAYS.
 - IT IS RECOMMENDED THAT SEDIMENT CONTROL LOGS BE TRENCHED INTO THE GROUND TO A DEPTH OF APPROXIMATELY 1/3 OF THE DIAMETER OF THE LOG. IF TRENCHING TO THIS DEPTH IS NOT FEASIBLE AND/OR DESIRABLE (SHORT TERM INSTALLATION WITH DESIRE NOT TO DAMAGE LANDSCAPE) A LESSER TRENCHING DEPTH MAY BE ACCEPTABLE WITH MORE ROBUST STAKING.
 - THE UPHILL SIDE OF THE SEDIMENT CONTROL LOG SHALL BE BACKFILLED WITH SOIL THAT IS FREE OF ROCKS AND DEBRIS. THE SOIL SHALL BE TIGHTLY COMPACTED INTO THE SHAPE OF A RIGHT TRIANGLE USING A SHOVEL OR WEIGHTED LAWN ROLLER.
 - FOLLOW MANUFACTURERS' GUIDANCE FOR STAKING. IF MANUFACTURERS' INSTRUCTIONS DO NOT SPECIFY SPACING, STAKES SHALL BE PLACED ON 4' CENTERS AND EMBEDDED A MINIMUM OF 6" INTO THE GROUND. 3' OF THE STAKE SHALL PROTRUDE FROM THE TOP OF THE LOG. STAKES THAT ARE BROKEN PRIOR TO INSTALLATION SHALL BE REPLACED.

- SEDIMENT CONTROL LOG MAINTENANCE NOTES:**
- INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
 - FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
 - WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
 - SEDIMENT ACCUMULATED UPSTREAM OF SEDIMENT CONTROL LOGS SHALL BE REMOVED AS NEEDED TO MAINTAIN FUNCTIONALITY OF THE BMP. TYPICALLY WHEN DEPTH OF ACCUMULATED SEDIMENTS IS APPROXIMATELY 1/2 OF THE HEIGHT OF THE SEDIMENT CONTROL LOG.
 - SEDIMENT CONTROL LOG SHALL BE REMOVED AT THE END OF CONSTRUCTION. IF DISTURBED AREAS EXIST AFTER REMOVAL, THEY SHALL BE COVERED WITH TOP SOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE LOCAL JURISDICTION.



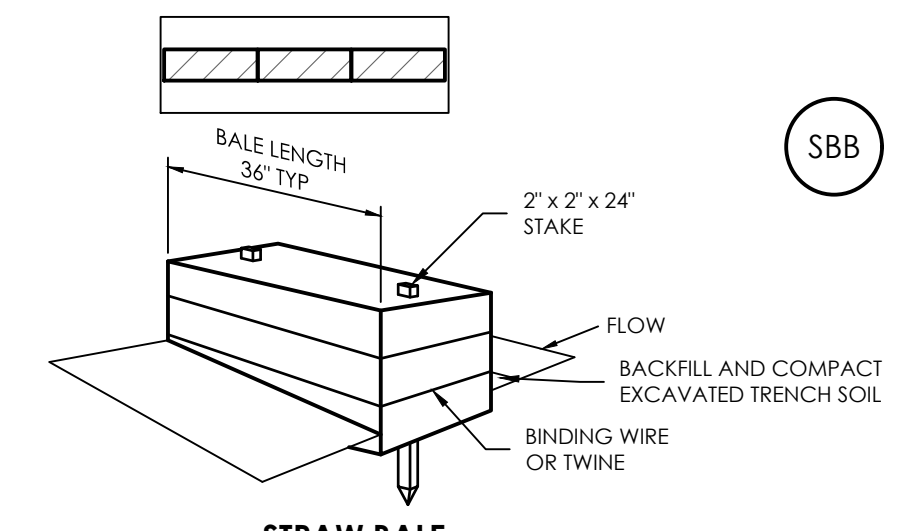
STOCKPILE PROTECTION PLAN



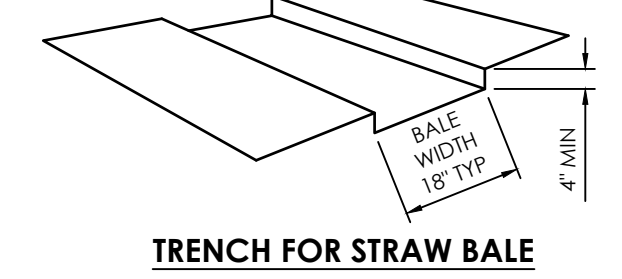
SP-1. STOCKPILE PROTECTION

- STOCKPILE PROTECTION INSTALLATION NOTES:**
- SEE PLAN VIEW FOR:
 - LOCATION OF STOCKPILES.
 - TYPE OF STOCKPILE PROTECTION.
 - INSTALL PERIMETER CONTROLS IN ACCORDANCE WITH THEIR RESPECTIVE DESIGN DETAILS. SILT FENCE IS SHOWN IN THE STOCKPILE PROTECTION DETAILS; HOWEVER, OTHER TYPES OF PERIMETER CONTROLS INCLUDING SEDIMENT CONTROL LOGS OR ROCK SOCKS MAY BE SUITABLE IN SOME CIRCUMSTANCES. CONSIDERATIONS FOR DETERMINING THE APPROPRIATE TYPE OF PERIMETER CONTROL FOR A STOCKPILE INCLUDE WHETHER THE STOCKPILE IS LOCATED ON A Pervious OR IMPERVIOUS SURFACE, THE RELATIVE HEIGHTS OF THE PERIMETER CONTROL AND STOCKPILE, THE ABILITY OF THE PERIMETER CONTROL TO CONTAIN THE STOCKPILE WITHOUT FAILING IN THE EVENT THAT MATERIAL FROM THE STOCKPILE SHIFTS OR SLUMPS AGAINST THE PERIMETER, AND OTHER FACTORS.
 - STABILIZE THE STOCKPILE SURFACE WITH SURFACE ROUGHENING, TEMPORARY SEEDING AND MULCHING, EROSION CONTROL BLANKETS, OR SOIL BINDERS. SOILS STOCKPILED FOR AN EXTENDED PERIOD (TYPICALLY FOR MORE THAN 60 DAYS) SHOULD BE SEEDED AND MULCHED WITH A TEMPORARY GRASS COVER ONCE THE STOCKPILE IS PLACED (TYPICALLY WITHIN 14 DAYS). USE OF MULCH ONLY OR A SOIL BINDER IS ACCEPTABLE IF THE STOCKPILE WILL BE IN PLACE FOR A MORE LIMITED TIME PERIOD (TYPICALLY 30-60 DAYS).
 - FOR TEMPORARY STOCKPILES ON THE INTERIOR PORTION OF A CONSTRUCTION SITE, WHERE OTHER DOWNGRADEMENT CONTROLS, INCLUDING PERIMETER CONTROL, ARE IN PLACE, STOCKPILE PERIMETER CONTROLS MAY NOT BE REQUIRED.

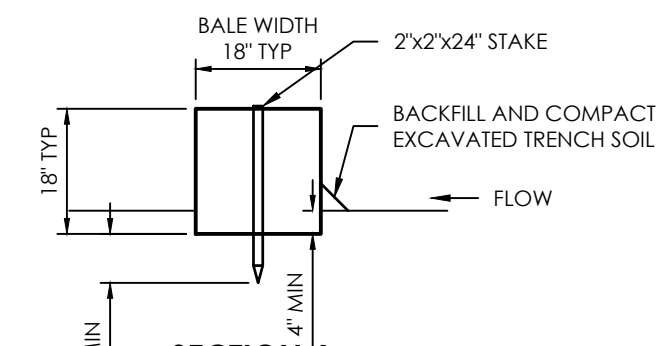
- STOCKPILE PROTECTION MAINTENANCE NOTES:**
- INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
 - FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
 - WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
 - IF PERIMETER PROTECTION MUST BE MOVED TO ACCESS SOIL STOCKPILE, REPLACE PERIMETER CONTROLS BY THE END OF THE WORKDAY.
 - STOCKPILE PERIMETER CONTROLS CAN BE REMOVED ONLY AFTER THE MATERIAL FROM THE STOCKPILE HAS BEEN USED.



STRAW BALE



TRENCH FOR STRAW BALE



**SECTION A
SBB - STRAW BALE BARRIER**

- STRAW BALE INSTALLATION NOTES:**
- SEE PLAN VIEW FOR:
 - LOCATION(S) OF STRAW BALES.
 - STRAW BALES SHALL CONSIST OF CERTIFIED WEED FREE STRAW OR HAY. LOCAL JURISDICTIONS MAY REQUIRE PROOF THAT BALES ARE WEED FREE.
 - STRAW BALES SHALL CONSIST OF APPROXIMATELY 5 CUBIC FEET OF STRAW OR HAY AND WEIGH NOT LESS THAN 35 POUNDS.
 - WHEN STRAW BALES ARE USED IN SERIES AS A BARRIER, THE END OF EACH BALE SHALL BE TIGHTLY ABUTTING ONE ANOTHER.
 - STRAW BALE DIMENSIONS SHALL BE APPROXIMATELY 36"x18"x18".
 - A UNIFORM ANCHOR TRENCH SHALL BE EXCAVATED TO A DEPTH OF 4". STRAW BALES SHALL BE PLACED SO THAT BINDING TWINE IS ENCOMPASSING THE VERTICAL SIDES OF THE BALES. ALL EXCAVATED SOIL SHALL BE PLACED ON THE UPHILL SIDE OF THE STRAW BALES) AND COMPACTED.
 - TWO (2) WOODEN STAKES SHALL BE USED TO HOLD EACH BALE IN PLACE. WOODEN STAKES SHALL BE 2"x2"x24". WOODEN STAKES SHALL BE DRIVEN 6" INTO THE GROUND.

- STRAW BALE MAINTENANCE NOTES:**
- INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
 - FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
 - WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
 - SEDIMENT ACCUMULATED UPSTREAM OF STRAW BALE BARRIER SHALL BE REMOVED AS NEEDED TO MAINTAIN FUNCTIONALITY OF THE BMP. TYPICALLY WHEN DEPTH OF ACCUMULATED SEDIMENTS IS APPROXIMATELY 1/2 OF THE HEIGHT OF THE STRAW BALE BARRIER.
 - STRAW BALES ARE TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND APPROVED BY THE LOCAL JURISDICTION.
 - WHEN STRAW BALES ARE REMOVED, ALL DISTURBED AREAS SHALL BE COVERED WITH TOPSOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED AS APPROVED BY LOCAL JURISDICTION.

TABLE SB-1. SIZING INFORMATION FOR STANDARD SEDIMENT BASIN

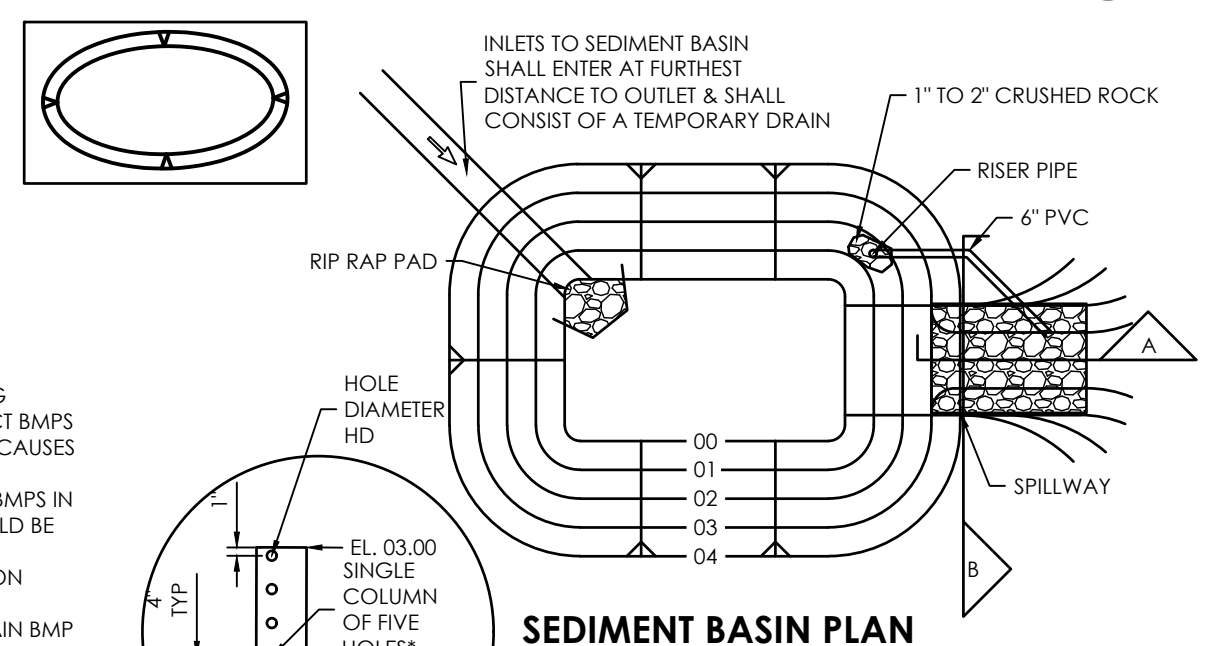
UPSTREAM DRAINAGE AREA (ROUNDED TO NEAREST ACRE), (AC)	BASIN BOTTOM WIDTH (W), (FT)	SPILLWAY CREST LENGTH (CL), (FT)	HOLE DIAMETER (HD), (IN)
1	12 1/2	2	9/32
2	21	3	13/16
3	28	5	1/2
4	33 1/2	6	9/16
5	38 1/2	8	21/32
6	43	9	21/32
7	47 1/4	11	25/32
8	51	12	27/32
9	55	13	7/8
10	58 1/4	15	15/16
11	61	16	31/32
12	64	18	1
13	67 1/2	19	1 1/16
14	70 1/2	21	1 1/8
15	73 1/4	22	1 3/16

Highlight which rows apply to this site.

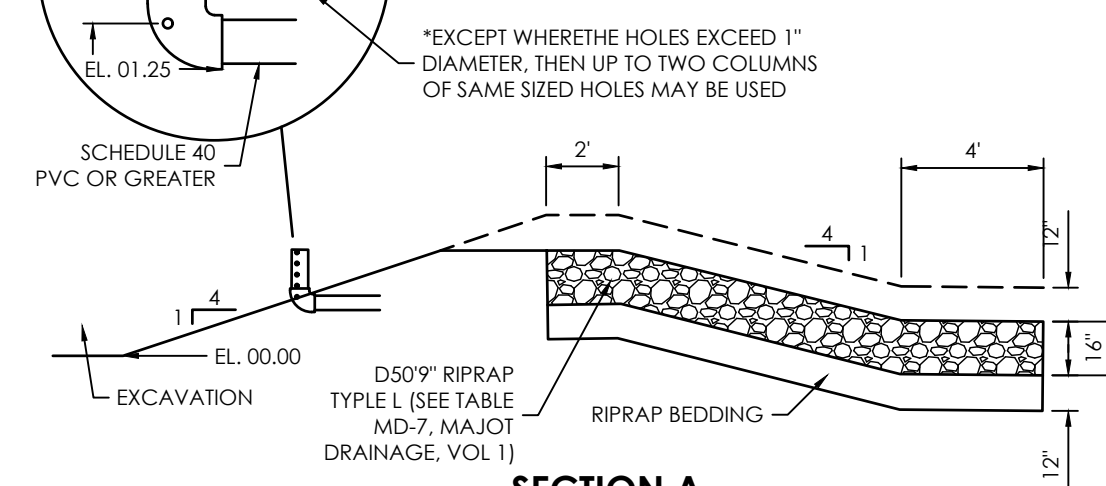
- SEDIMENT BASIN MAINTENANCE NOTES:**
- INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.
 - FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.
 - WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.
 - SEDIMENT ACCUMULATED IN BASIN SHALL BE REMOVED AS NEEDED TO MAINTAIN BMP EFFECTIVENESS. TYPICALLY WHEN SEDIMENT DEPTH REACHES ONE FOOT (I.E. TWO FEET BELOW THE SPILLWAY CREST).
 - SEDIMENT BASINS ARE TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND GRASS COVER IS ACCEPTED BY THE LOCAL JURISDICTION.
 - WHEN SEDIMENT BASINS ARE REMOVED, ALL DISTURBED AREAS SHALL BE COVERED WITH TOPSOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED AS APPROVED BY LOCAL JURISDICTION. (DETAILS ADOPTED FROM DOUGLAS COUNTY, COLORADO)

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.

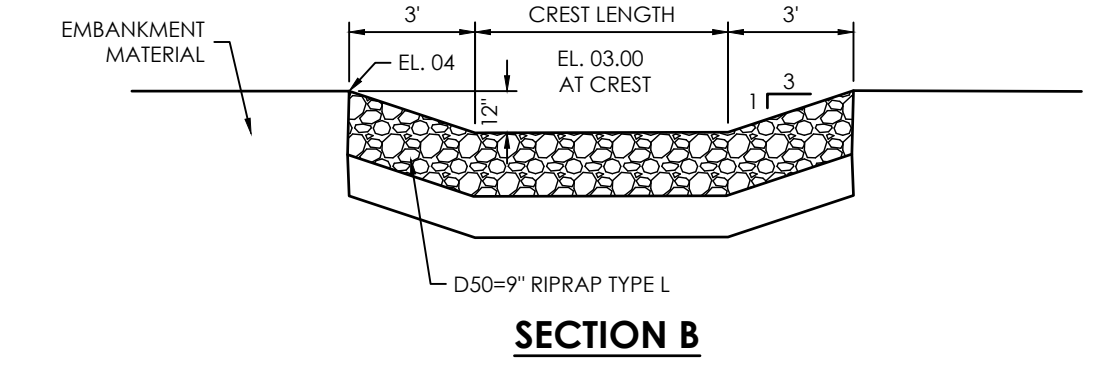
- SEDIMENT BASIN INSTALLATION NOTES:**
- SEE PLAN VIEW FOR:
 - LOCATION OF SEDIMENT BASIN.
 - TYPE OF BASIN (STANDARD BASIN OR NONSTANDARD BASIN).
 - FOR STANDARD BASIN, BOTTOM WIDTH W, CREST LENGTH CL, AND HOLE DIAMETER, HD.
 - FOR NONSTANDARD BASIN, SEE CONSTRUCTION DRAWINGS FOR DESIGN OF BASIN INCLUDING RISER HEIGHT H, NUMBER OF COLUMNS N, HOLE DIAMETER HD AND PIPE DIAMETER D.
 - FOR STANDARD BASIN, BOTTOM DIMENSION MAY BE MODIFIED AS LONG AS BOTTOM AREA IS NOT REDUCED.
 - SEDIMENT BASINS SHALL BE INSTALLED PRIOR TO ANY OTHER LAND-DISTURBING ACTIVITY THAT RELIES ON ON BASINS AS A STORMWATER CONTROL.
 - EMBANKMENT MATERIAL SHALL CONSIST OF SOIL FREE OF DEBRIS, ORGANIC MATERIAL, AND ROCKS OR CONCRETE GREATER THAN 3 INCHES AND SHALL HAVE A MINIMUM OF 15 PERCENT BY WEIGHT PASSING THE NO. 200 SIEVE.
 - EMBANKMENT MATERIAL SHALL BE COMPACTED TO AT LEAST 95 PERCENT OF MAXIMUM DENSITY IN ACCORDANCE WITH ASTM 0698.
 - PIPE SCH 40 OR GREATER SHALL BE USED.
 - THE DETAILS SHOWN ON THESE SHEETS PERTAIN TO STANDARD SEDIMENT BASINS) FOR DRAINAGE AREAS LESS THAN 1.5 ACRES. SEE CONSTRUCTION DRAWINGS FOR EMBANKMENT, STORAGE VOLUME, SPILLWAY, OUTLET, AND OUTLET PROTECTION DETAILS FOR ANY SEDIMENT BASINS) THAT HAVE BEEN INDIVIDUALLY DESIGNED FOR DRAINAGE AREAS LARGER THAN 1.5 ACRES.



SEDIMENT BASIN PLAN



SECTION A



SECTION B

From: Virginia Soil and Water Conservation Commission, 1995

Shallow Slope
On shallow slopes, strips of netting may be applied across the slope.

Steep Slope
On steep slopes, apply strips of netting parallel to the direction of flow and anchor securely.

Ditch
In ditches, apply netting parallel to the direction of flow. Use check slots every 15 feet. Do not join strips in the center of the ditch.

City of Colorado Springs Storm Water Quality

Figure ECB-1 Erosion Control Blanket Application Examples

Anchor Slot: Bury the up-channel end of the net in a 6" deep trench. Tamp the soil firmly. Staple at 12" intervals across the net.

Overlap: Overlap edges of the strips at least 4". Staple every 3 feet down the center of the strip.

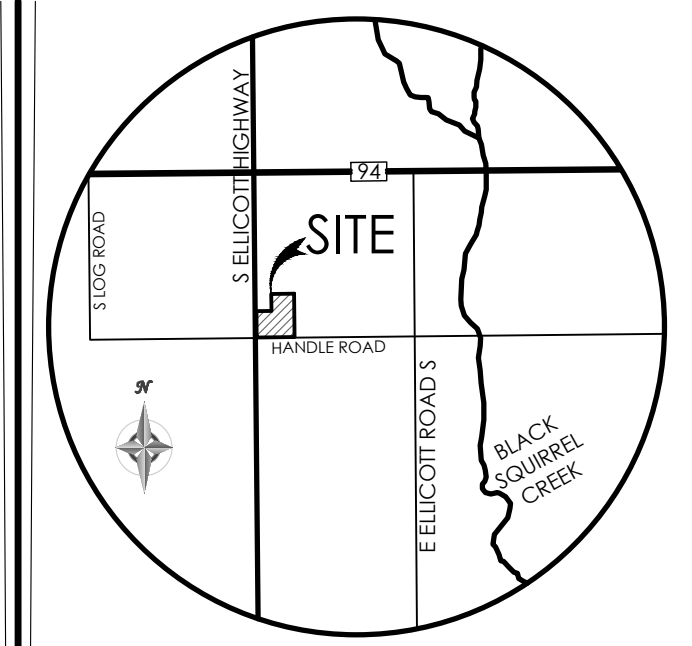
Joining Strips: Insert the new roll of net in a trench, as with the Anchor Slot. Overlap the up-channel end of the previous roll 18" and turn the end under 6". Staple the end of the previous roll just below the anchor slot and at the end at 12" intervals.

Check Slots: On erodible soils or steep slopes, check slots should be made every 15 feet, insert a fold of the net into a 6" trench and tamp firmly. Staple at 12" intervals across the net. Lay the net smoothly on the surface of the soil - do not stretch the net, and do not allow wrinkles.

Anchoring Ends At Structures: Place the end of the net in a 6" slot on the up-channel side of the structure. Fill the trench and tamp firmly. Roll the net up the channel. Place staples at 12" intervals along the anchor end of the net.

City of Colorado Springs Storm Water Quality

Figure ECB-2 Erosion Control Blanket Installation Requirements



VICINITY MAP
NOT TO SCALE

BENCHMARK



REVISIONS

DESIGNED BY _____
DRAWN BY _____
CHECKED BY _____
AS-BUILT BY _____
CHECKED BY _____

**ELLICOTT SCHOOL
ADDITION 2 BLDGS**

**GRADING & EROSION
CONTROL PLAN
EROSION DETAILS 2**

C1.7 MVE PROJECT 61183
MVE DRAWING GEC-ED2

NOVEMBER 28, 2022
SHEET 7 OF 7

PCD FILE # PPR-22-050