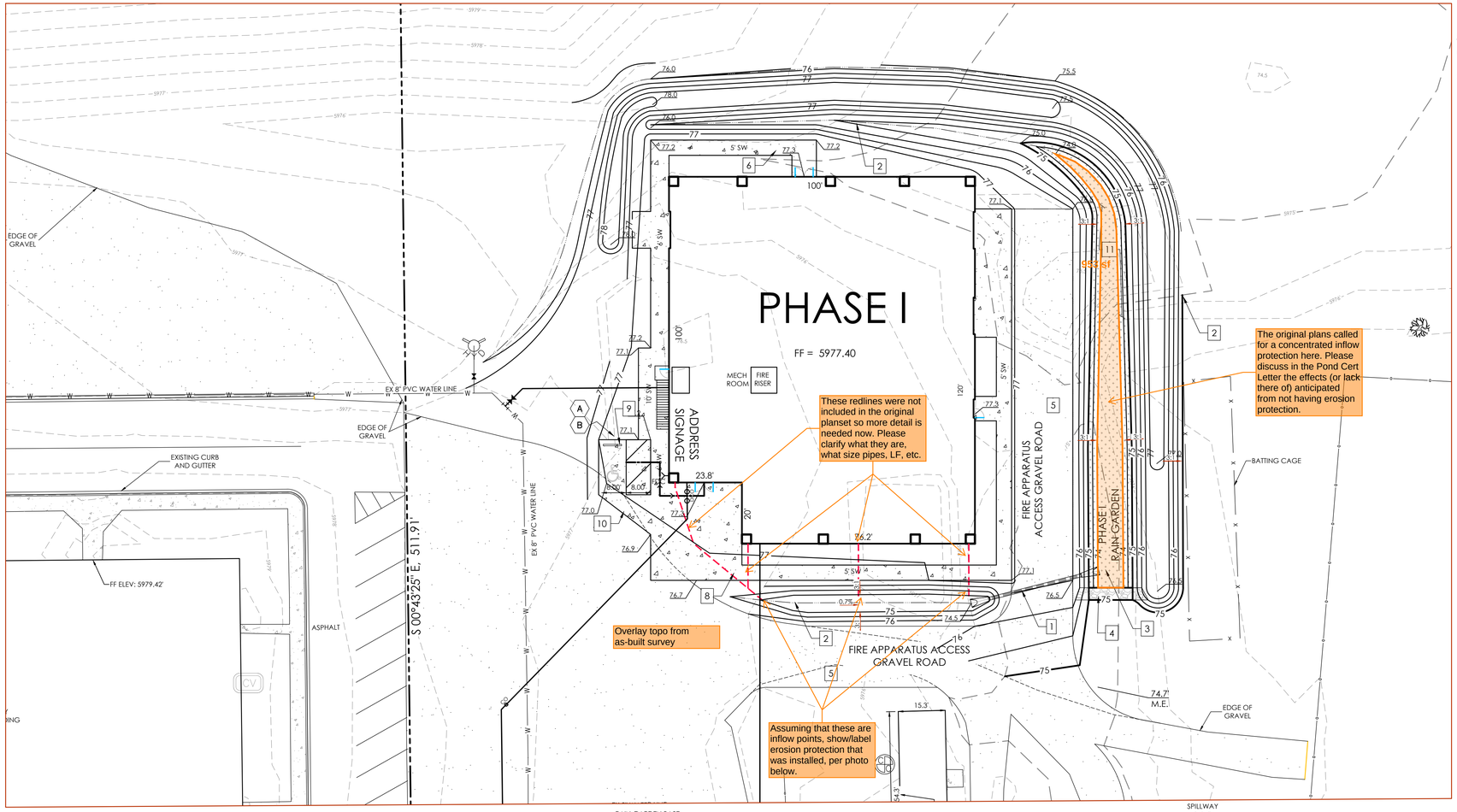


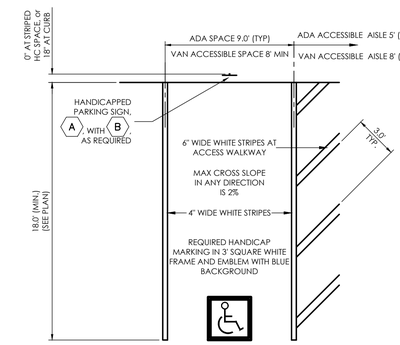
MAP NOTES

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'

RAIN GARDEN, SPECIFICATIONS, NOTES & REFERENCES:

REFERENCE URBAN DRAINAGE AND FLOOD CONTROL DISTRICT (UDFCD), *URBAN STORM DRAINAGE CRITERIA MANUAL VOLUME 3*, SECTION 13-3, 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 (ASTM C-33 SAND STANDARD)
  - 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.

GROWING MEDIA SAND[1]	
STANDARD SIEVE SIZE	% PASSING
3/8" (9.5 mm)	100
NO. 4 (4.75 mm)	95 - 100
NO. 8 (2.36 mm)	80 - 100
NO. 16 (1.18 mm)	50 - 85
NO. 30 (600 um)	25 - 60
NO. 50 (300 um)	10 - 30
NO. 100 (150 um)	2 - 10

[1]LESS THAN 1.5% ORGANIC MATERIAL

RAIN GARDEN SEED MIX TABLE[1] (SOURCE: UDFCD BIORETENTION (RG) TABLE B-3)	
COMMON NAME	LB/AC PLS[2]
SAND BLUESTEM	3.5
SIDEOATS GRAMA	3
PRAIRIE SANDREED	3
INDIAN RICEGRASS	3
SWITCHGRASS	4
WESTERN WHEATGRASS	3
LITTLE BLUESTEM	3
ALKALI SACATON	3
SAND DROPSEED	3
TOTAL	27.5

[1]SEE UDFCD TABLE B-3 FOR SCIENTIFIC NAMES AND WILDFLOWER MIX OPTION
[2]PLS = PURE LIVE SEED

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 6" CDOT CLASS 5 OR 6 AGGREGATE BASE COURSE, MIN L HVEE MOISTURE TREATED TO WITHIN 2% OPTIMUM MOISTURE CONTENT AND 95% (±3%) MAX DRY DENSITY - MOD. PROCTOR (ASTM D1557/AASHTO
6. INSTALL TYPE VL RIP-RAP LEVEL SPREADER. (SEE DETAIL)
7. INSTALL RIP-RAP. SEE CONCENTRATED IN-FLOW DETAIL.
8. INSTALL CONCRETE SIDEWALK 4" THICK (SEE DETAIL ON THIS SHEET)
9. INSTALL CONCRETE PARKING STOP BLOCKS
10. INSTALL CONCRETE PARKING AREA 6" THICK (SEE DETAIL ON THIS SHEET)
11. INSTALL RAIN GARDEN FILTER MEDIA

(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

SECTION 'RG-A'

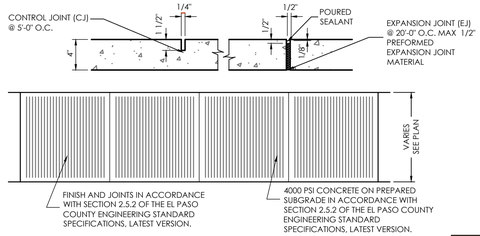
SCALE: NTS

SPILLWAY DETAIL

SCALE: NTS

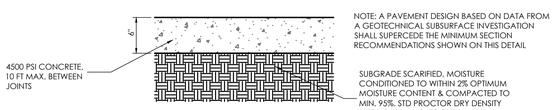
CONCENTRATED IN-FLOW DETAIL

SCALE: NTS



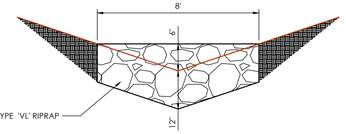
TYPICAL SIDEWALK DETAIL

SCALE 1" = 4.0'



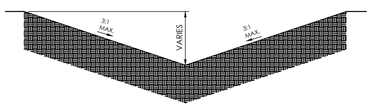
PAVEMENT SECTION VEHICLE TRAFFIC AREAS (CONCRETE)

SCALE 1" = 1.0'



RIPRAP LEVEL SPREADER DETAIL

SCALE 1" = NTS



TYPICAL SWALE

SCALE 1" = 1.0'

~953 SF per detail on this sheet

ASBUILT - 7/23/2024

DESIGN BTM = 315 SF. / ASBUILT = 1532 SF.
DESIGN VOL = 1102 CF. / ASBUILT = 2240 CF.

Cannot verify until revised UD-BMP calcs are provided.

Even if everything was built exactly per plan, we need an electronic PDF of the original drawings to be signed, dated, and stamped with "As-Built" on each sheet. The original planset is 7 pages long, this as-built set is only 2 pages, so please include the other 5 sheets with the next submittal.

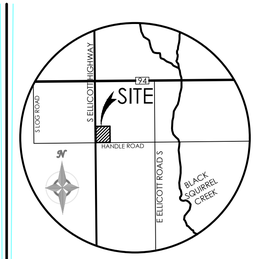
Differences from design to as-built conditions to be shown in red text with red clouds/bubbles.

AS-BUILT RECORD SET

COLORADO LICENSED RAYMOND A. TAYMONS 7/26/24 31672 PROFESSIONAL ENGINEER

M.V.E., INC.

PCD FILE # PPR2250



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.

N

5 0 10 20 40

1" = 20' 1:240

MVE, INC.
ENGINEERS | SURVEYORS
1903 lelaray street, suite 200 colorado springs co 80909 719.635.5736

REVISIONS

REMOVED RIPRAP ITEM 6, EXISTING GRADE DID NOT WARRANT SWALE/RIPRAP.

ADDED ROOF DRAINS TO SOUTHERN GRASS SWALE ITEM 2 & REMOVED BERM.

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

ELLICOTT SCHOOL ADDITION 2 BLDGS

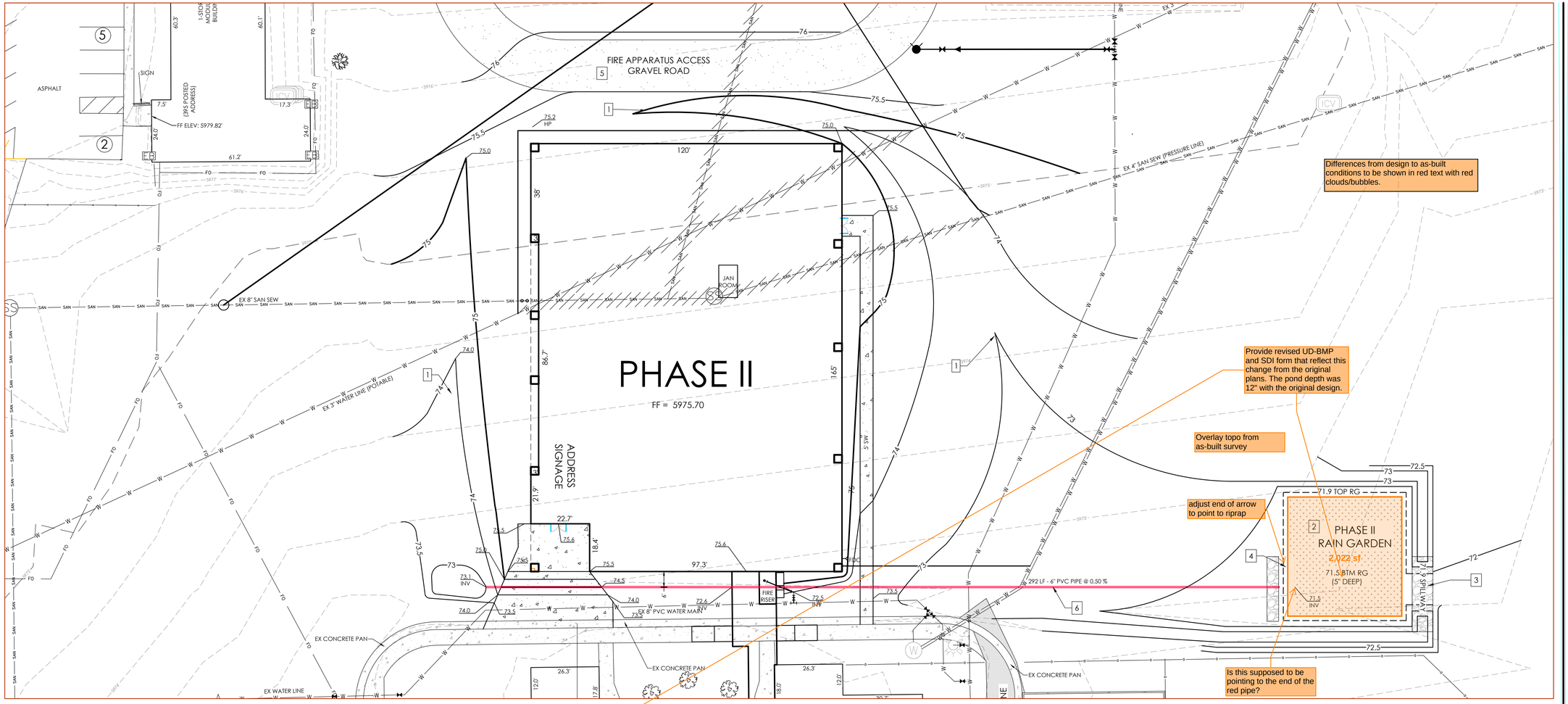
PHASE I GRADING PLAN

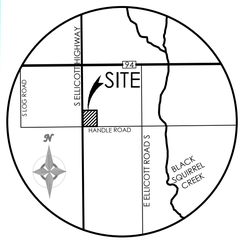
C1.2

MVE PROJECT 61183
MVE DRAWING GEC-GP-I

APRIL 5, 2023

SHEET 2 OF 7





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.

5 0 10 20 40
1" = 20' 1:240

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 RIP-RAP. SEE CONCENTRATED IN-FLOW DETAIL.
5. 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)
6. INSTALL 6" PVC PIPE.

Please update this drawing per the following note from the PA punchlist:

- Phase II Rain Garden (Sheet C1.4-C1.5) - Update the impervious area to illustrate new roof for building connection and confirm that this deviation from the plans is acceptable with the project engineer and reflect change on as-builts or install per original plans.

MAP NOTES

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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.

704 SF per UD-BMP with FDR

~2022 SF per detail on this sheet

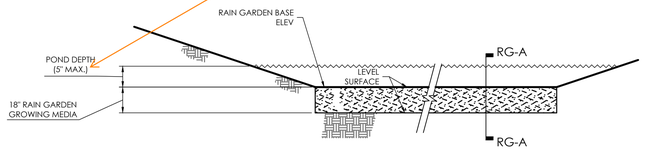
ASBUILT - 7/23/2024

DESIGN BTM = 1964 SF. / ASBUILT = 2300 SF.
DESIGN VOL = 896 CF. / ASBUILT = 1025 CF.

1,205 CF per UD-BMP with FDR

Cannot verify until revised UD-BMP calcs are provided.

AS-BUILT RECORD SET
COLORADO LICENSED
DAVID RAYMOND COMBS
7/26/24
31672
PROFESSIONAL ENGINEER
M.V.E., INC.

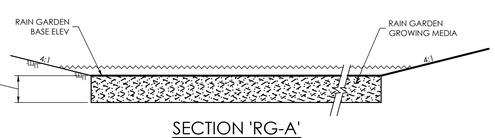


PHASE II RAIN GARDEN DETAIL
SCALE: NTS

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 MEDIA SAND - PER SOIL MATERIAL GRADATION TABLE (ASTM C-33 SAND STANDARD)
  - pH - 6.8-7.5
  - NITROGEN - 15 ppm (MIN)
  - 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.



SECTION 'RG-A'
SCALE: NTS

GROWING MEDIA SAND[1]	
STANDARD SIEVE SIZE	% PASSING
3/8" (9.5 mm)	100
NO. 4 (4.75 mm)	95 - 100
NO. 8 (2.36 mm)	80 - 100
NO. 16 (1.18 mm)	50 - 85
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[1]LESS THAN 1.5% ORGANIC MATERIAL

RAIN GARDEN SEED MIX TABLE[1] (SOURCE: UDFCD BIORETENTION (RG) TABLE B-3)	
COMMON NAME	LB/AC PLS[2]
SAND BLUESTEM	3.5
SIDEOATS GRAMA	3
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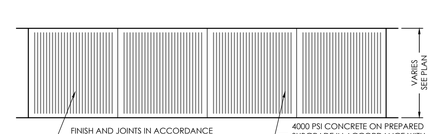
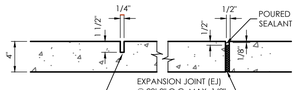
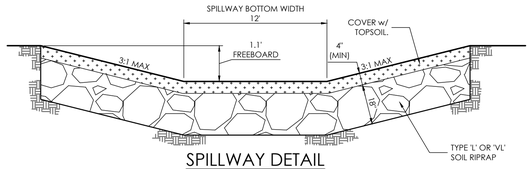
SWITCHGRASS	4
WESTERN WHEATGRASS	3
LITTLE BLUESTEM	3
ALKALI SACATON	3
SAND DROPSEED	3
TOTAL	27.5

[1]SEE UDFCD TABLE B-3 FOR SCIENTIFIC NAMES AND WILDFLOWER MIX OPTION
[2]PLS = PURE LIVE SEED

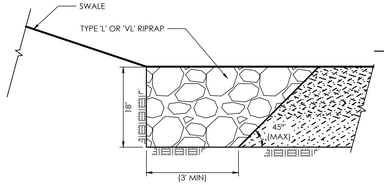


TYPICAL SIDEWALK DETAIL
SCALE 1" = 4.0'

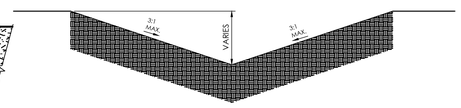




SPILLWAY DETAIL
SCALE: NTS



CONCENTRATED IN-FLOW DETAIL
SCALE: NTS



TYPICAL SWALE
SCALE 1" = 1.0'

PCD FILE # PPR2250

MVE, INC.
ENGINEERS, SURVEYORS
1903 lelaray street, suite 200 colorado springs co 80909 719.635.5736

REVISIONS
REMOVED CONCRETE PAN AND REPLACED WITH DRAIN PIPE FOR BREEZEWAY.
REVISED RAIN GARDEN.

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

APRIL 5, 2023

SHEET 4 OF 7