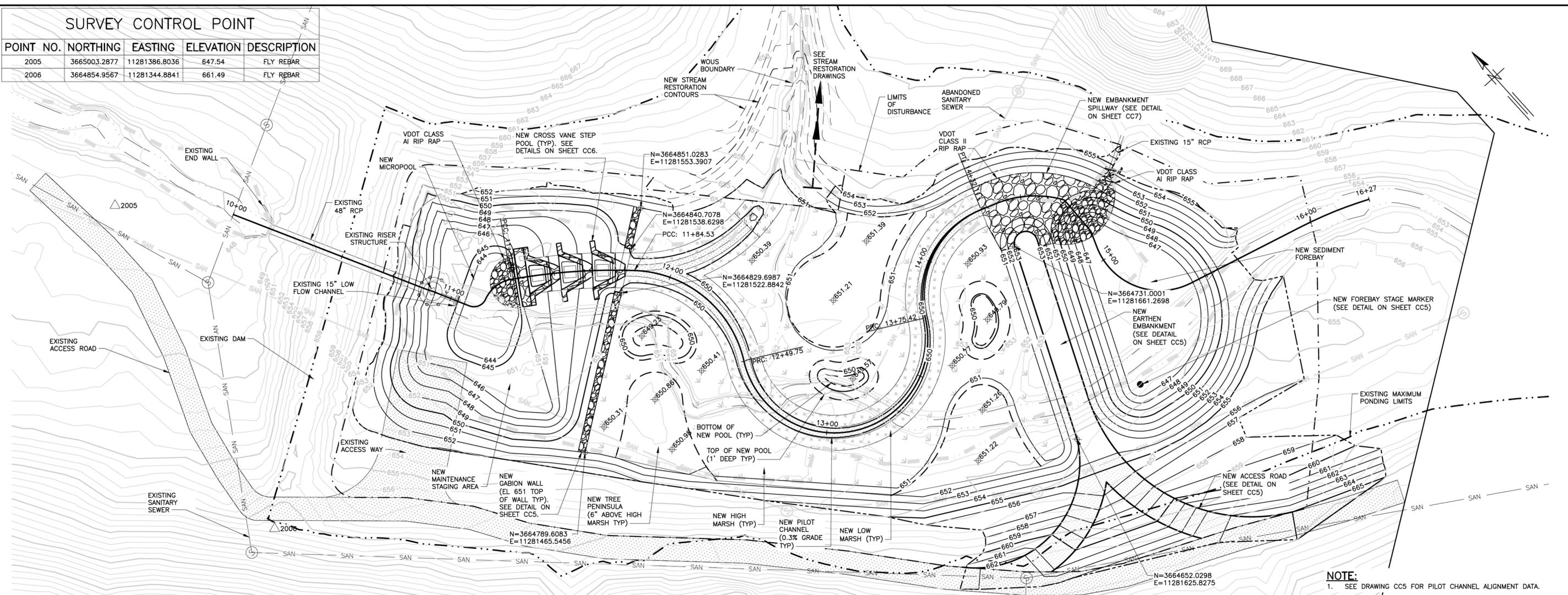


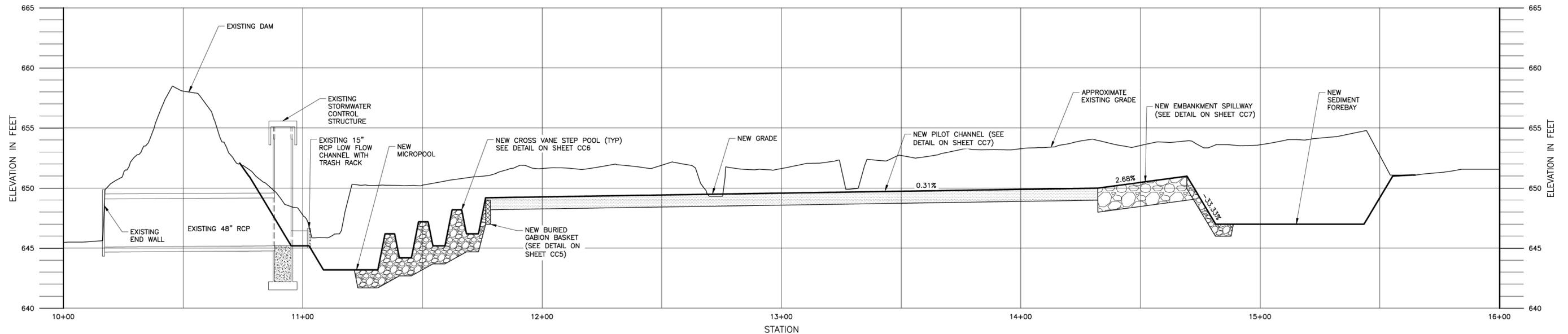
SURVEY CONTROL POINT

POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
2005	3665003.2877	11281386.8036	647.54	FLY REBAR
2006	3664854.9567	11281344.8841	661.49	FLY REBAR



NEW SITE PLAN

SCALE: 1" = 20'



PILOT CHANNEL PROFILE

SCALE: HORIZONTAL 1" = 20'
VERTICAL 1" = 4'

S:\CLIENT\0725 LYNCHBURG\STORM MASTER PLAN_07259 TO 7 SLAF BMP DESIGN\GREENWOOD21_CADD\21.05_WORKING_DWG\LY907LC04_2016/10/03_11:53_AM_COOPER_BRANDON

GREELEY and HANSEN
9020 STONY POINT PARKWAY, SUITE 475
RICHMOND, VIRGINIA 23235

DESIGNED BDC
DRAWN DSS
CHECKED LL

APPROVED

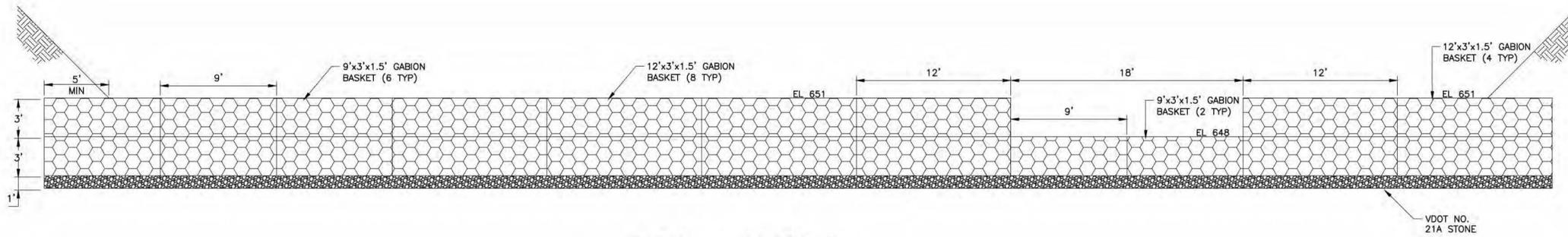
NO.	DATE	APPD	REVISION



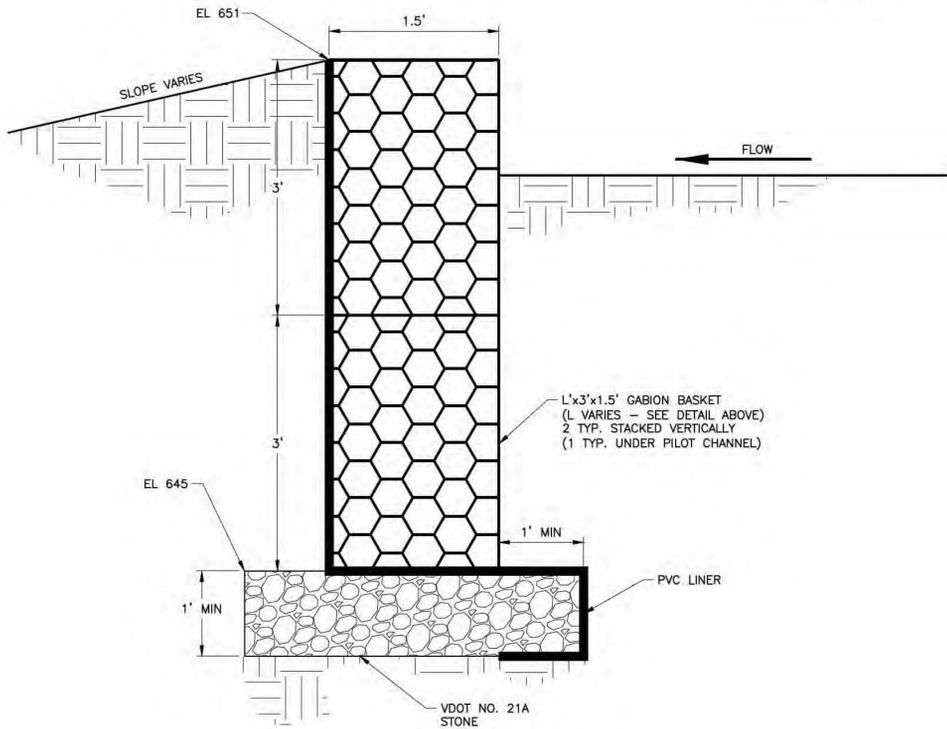
CITY OF LYNCHBURG, VIRGINIA
DEPARTMENT OF WATER RESOURCES
GREENWOOD POND BMP RETROFIT
AND BLACKWATER CREEK
TRIBUTARY STREAM RESTORATION

CIVIL
NEW SITE PLAN AND PILOT CHANNEL PROFILE

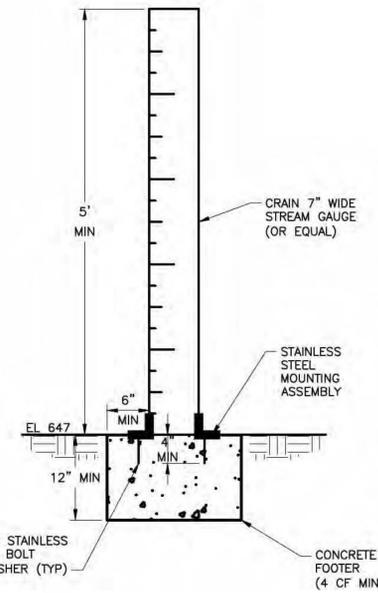
FILE NAME LY907LC04
DWG **CC4**
SHEET 30 OF 35
DATE OCTOBER 2016 REV 0



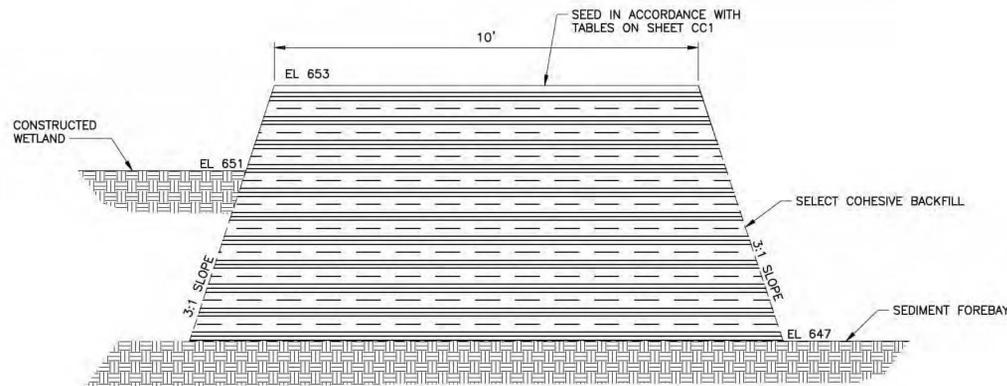
GABION WALL DETAIL
SCALE: NOT TO SCALE



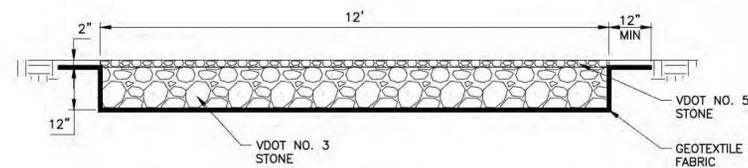
TYPICAL GABION WALL SUPPORT DETAIL
SCALE: NOT TO SCALE



FOREBAY STAGE MARKER DETAIL
SCALE: NOT TO SCALE



TYPICAL EARTHEN EMBANKMENT SECTION
SCALE: NOT TO SCALE



**ACCESS ROAD DETAIL
(OUTSIDE EARTHEN EMBANKMENT)**
SCALE: NOT TO SCALE

SEQUENCE OF CONSTRUCTION:

1. THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE CITY PRIOR TO ANY LAND DISTURBING ACTIVITIES.
2. THE CONTRACTOR SHALL NOTIFY THE PLAN APPROVING AUTHORITY AT LEAST ONE (1) WEEK PRIOR TO THE PRE-CONSTRUCTION MEETING, ONE (1) WEEK PRIOR TO COMMENCING LAND DISTURBING ACTIVITIES, AND ONE (1) WEEK PRIOR TO FINAL WALKTHROUGH INSPECTION.
3. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED LAND DISTURBANCE AND EROSION AND SEDIMENT CONTROL PERMITS PRIOR TO ANY LAND DISTURBING ACTIVITIES.
4. THE CONTRACTOR SHALL CONTACT MISS UTILITY AT 811 PRIOR ANY LAND DISTURBING ACTIVITY.
5. THE CONTRACTOR SHALL INSTALL ALL TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES PRIOR TO ANY LAND DISTURBING ACTIVITY.
6. THE CONTRACTOR SHALL SEQUENCE WORK FROM UPSTREAM TO DOWNSTREAM, UNLESS AN ALTERNATIVE SEQUENCE IS APPROVED BY THE CITY'S REPRESENTATIVE.
7. PRIOR TO CONSTRUCTION THE LIMITS OF DISTURBANCE SHALL BE MARKED BY THE CONTRACTOR AND REVIEWED WITH THE CITY'S REPRESENTATIVE. TREES TO BE REMOVED AND TREES TO BE PROTECTED WILL BE DETERMINED DURING THIS ON-SITE VISIT.
8. THE CONTRACTOR SHALL STAKE OUT THE NEW PILOT CHANNEL ALIGNMENT WITH STAKES AT ALL PC AND PT POINTS.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTINUALLY MONITORING THE FORECAST AND STABILIZING ALL ACTIVE WORK AREAS PRIOR TO WET WEATHER EVENTS.
10. THE CONTRACTOR SHALL STABILIZE ANY TEMPORARY SOIL STOCKPILES AND INSTALL TEMPORARY EROSION AND SEDIMENT CONTROLS TO PREVENT SOILS FROM WASHING OFFSITE.
11. THE CONTRACTOR SHALL INSTALL ALL VEGETATION IN ACCORDANCE WITH THE LANDSCAPING PLAN AND PROJECT SPECIFICATIONS.
12. THE CONTRACTOR SHALL SCHEDULE A FINAL WALKTHROUGH INSPECTION MEETING WITH THE CITY AND ADDRESS ANY AND ALL CONSTRUCTION DEFICIENCIES WITHIN A REASONABLE TIMEFRAME.
13. UPON CITY ACCEPTANCE OF THE WORK PERFORMED, THE CONTRACTOR MAY REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES AND VACATE THE SITE.

PILOT CHANNEL ALIGNMENT DATA

CURVE POINT DATA			
DESCRIPTION	STATION	NORTHING	EASTING
PC:	11+31.36	3664865.7500	11281491.6862
RP:		3664653.7641	11281359.1647
PCC:	11+84.53	3664833.0052	11281533.4421
Delta:	12° 11' 03.4129"	Type:	RIGHT
RADIUS:	250	DOC:	22° 55' 05.9232"
LENGTH:	53.16	TANGENT:	26.6800
MID-ORD:	1.41	EXTERNAL:	1.4200
CHORD:	53.06	COURSE:	S 51° 53' 47.6748" E

CURVE POINT DATA			
DESCRIPTION	STATION	NORTHING	EASTING
PC:	11+84.53	3664833.0052	11281533.4421
RP:		3664797.1570	11281498.5866
PCC:	12+49.75	3664772.9625	11281542.3430
Delta:	74° 44' 39.0388"	Type:	RIGHT
RADIUS:	50	DOC:	114° 35' 29.6160"
LENGTH:	65.23	TANGENT:	38.1900
MID-ORD:	10.26	EXTERNAL:	12.9200
CHORD:	60.7	COURSE:	S 08° 25' 56.4490" E

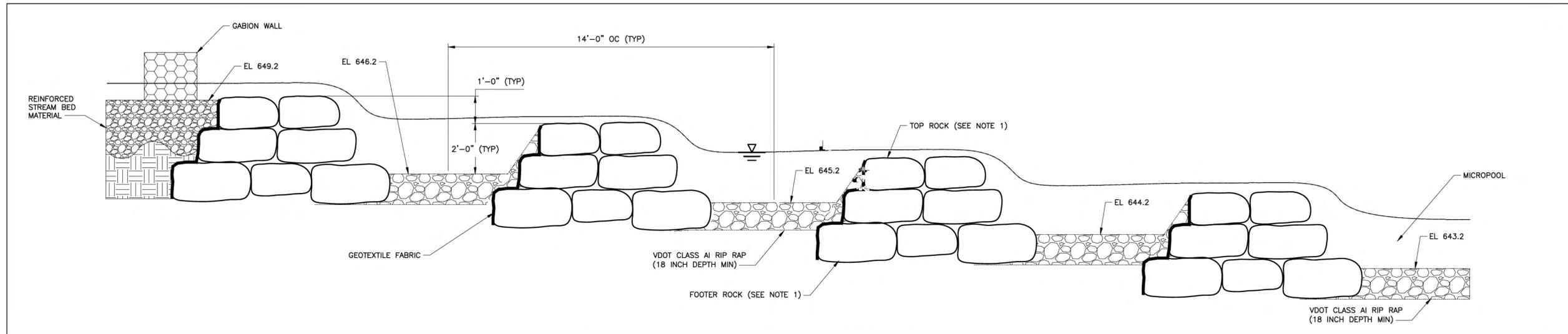
CURVE POINT DATA			
DESCRIPTION	STATION	NORTHING	EASTING
PC:	12+49.75	3664772.9625	11281542.3430
RP:		3664753.6069	11281577.3482
PCC:	13+75.42	3664734.2513	11281612.3534
Delta:	179° 59' 59.9997"	Type:	LEFT
RADIUS:	40	DOC:	143° 14' 22.0200"
LENGTH:	125.66	TANGENT:	940561382.6400
MID-ORD:	40	EXTERNAL:	940561422.6400
CHORD:	80	COURSE:	S 61° 03' 36.9297" E

CURVE POINT DATA			
DESCRIPTION	STATION	NORTHING	EASTING
PC:	13+75.42	3664734.2513	11281612.3534
RP:		3664714.8958	11281647.3585
PT:	14+32.11	3664752.4480	11281661.1365
Delta:	81° 12' 30.3778"	Type:	RIGHT
RADIUS:	40	DOC:	143° 14' 22.0200"
LENGTH:	56.69	TANGENT:	34.2900
MID-ORD:	9.63	EXTERNAL:	12.6900
CHORD:	52.07	COURSE:	N 69° 32' 38.2592" E

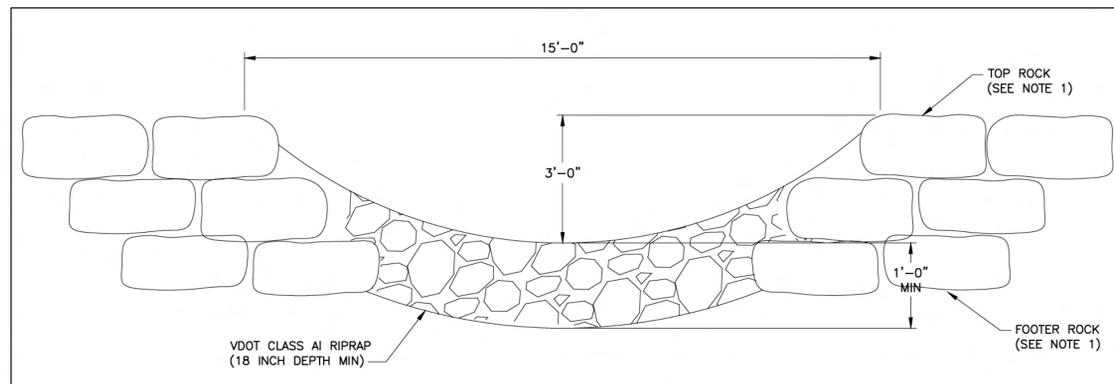
S:\CLIENT\0725 - LYNCHBURG\STORM MASTER PLAN_072599 TO 7 SLAF BMP DESIGN GREENWOOD V21 CAD\072105 WORKING DWGS\LY907LC07_2016/10/03_2:21 PM COOPER, BRANDON

GREELEY and HANSEN 9020 STONY POINT PARKWAY, SUITE 475 RICHMOND, VIRGINIA 23235	DESIGNED BDC	APPROVED	SCALE		CITY OF LYNCHBURG, VIRGINIA DEPARTMENT OF WATER RESOURCES GREENWOOD POND BMP RETROFIT AND BLACKWATER CREEK TRIBUTARY STREAM RESTORATION	CIVIL	FILE NAME LY907LC07	
	DRAWN DSS		NOT TO SCALE				DWG CC5	
CHECKED LL			NO.	DATE	APPD	REVISION	SHEET 31 OF 35	
							DATE OCTOBER 2016	REV 0

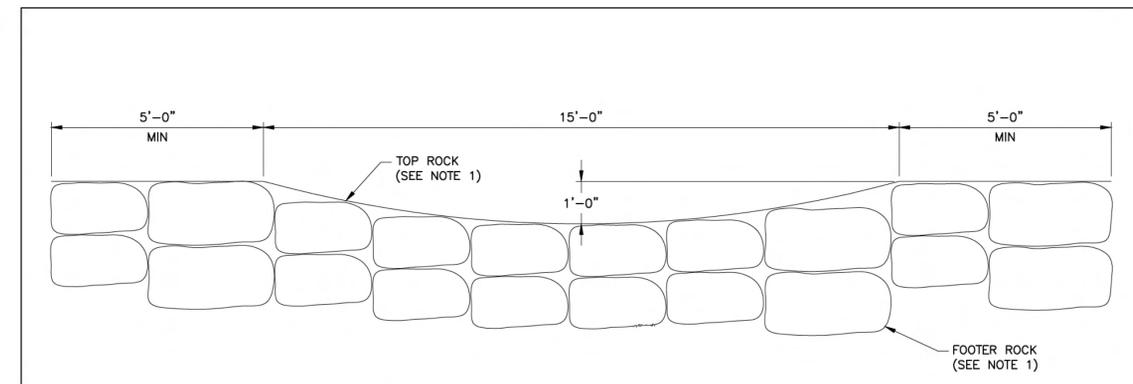
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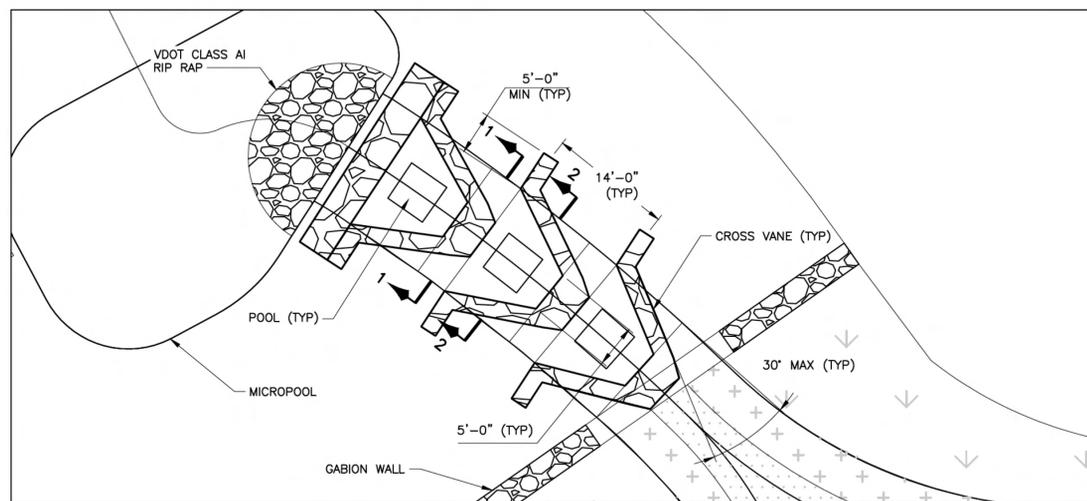
CROSS VANE / STEP POOL PROFILE
SCALE: NOT TO SCALE



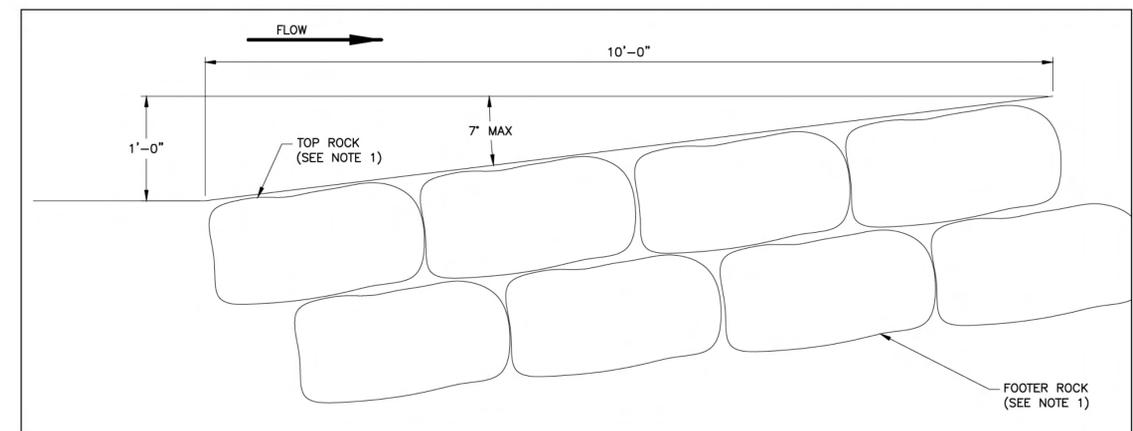
SECTION 2 TYPICAL STEP POOL CROSS SECTION
SCALE: NOT TO SCALE



SECTION 1 TYPICAL CROSS VANE CROSS SECTION
SCALE: NOT TO SCALE



CROSS VANE / STEP POOL PLAN
SCALE: NOT TO SCALE



TYPICAL CROSS VANE PROFILE
SCALE: NOT TO SCALE

NOTES:

- ROCK SHALL CONFORM TO SIZING REQUIREMENTS FOR CROSS VANES IN SECTION 16 00 14 OF THE PROJECT MANUAL.

GREELEY AND HANSEN
 9020 STONY POINT PARKWAY, SUITE 475
 RICHMOND, VIRGINIA 23235

DESIGNED BDC
 DRAWN DSS
 CHECKED LL

APPROVED

NO.	DATE	APPD	REVISION

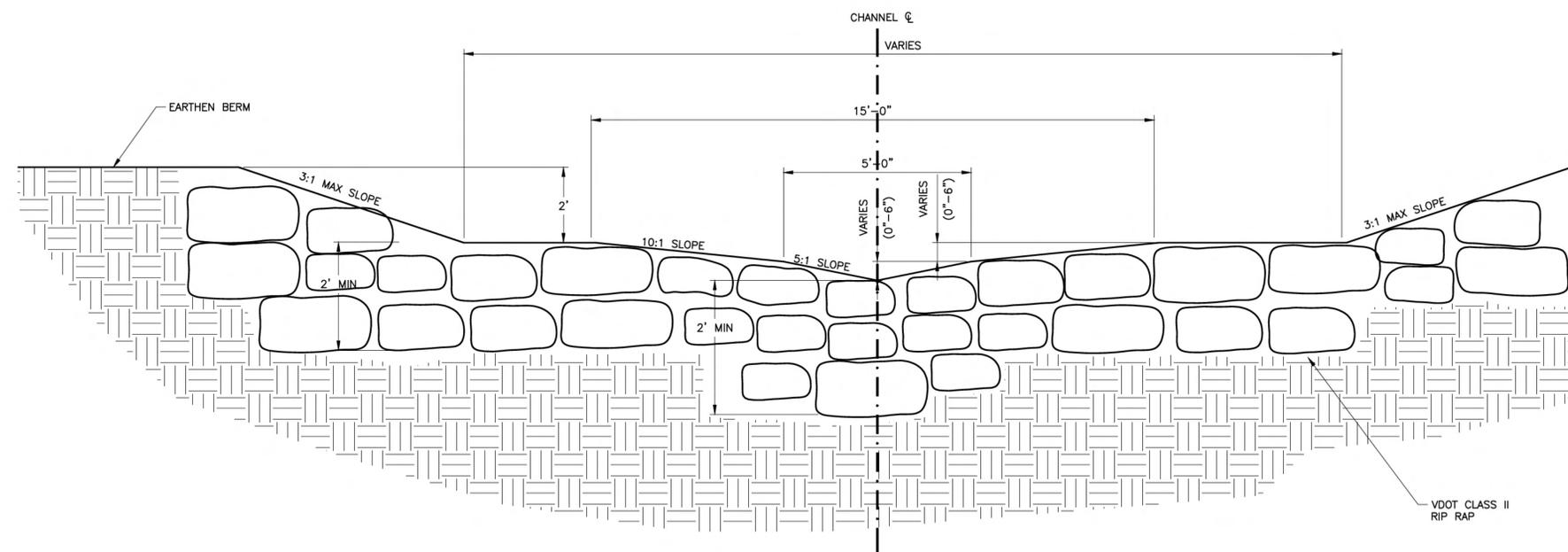
SCALE
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CITY OF LYNCHBURG, VIRGINIA
 DEPARTMENT OF WATER RESOURCES
 GREENWOOD POND BMP RETROFIT
 AND BLACKWATER CREEK
 TRIBUTARY STREAM RESTORATION

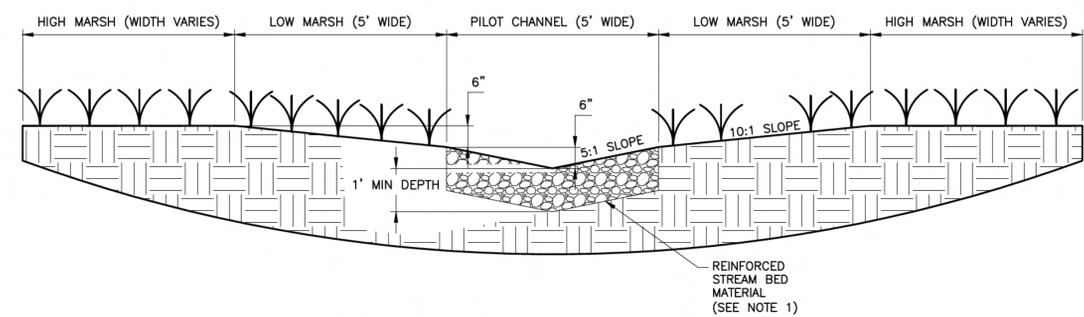
CIVIL
 CROSS VANE DETAILS

FILE NAME LY907LC05
 DWG **CC6**
 SHEET 32 OF 35
 DATE OCTOBER 2016 REV 0

S:\CLIENT\0725 - LYNCHBURG\STORM MASTER PLAN_07759\TO 7 SLAF BMP DESIGN\GREENWOOD\21_CADD\21.05_WORKING DWGS\LY907LC06_2016/10/03_12:30_PM_COOPER_BRANDON



TYPICAL SPILLWAY SECTION
SCALE: NOT TO SCALE



TYPICAL PILOT CHANNEL SECTION
SCALE: NOT TO SCALE

NOTES:

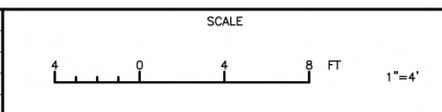
1. MATERIAL SHALL CONFORM TO THE SIZING REQUIREMENTS SPECIFIED ON SHEET BC16 TABLE 2.

GREELEY and HANSEN
9020 STONY POINT PARKWAY, SUITE 475
RICHMOND, VIRGINIA 23235

DESIGNED BDC
DRAWN DSS
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CITY OF LYNCHBURG, VIRGINIA
DEPARTMENT OF WATER RESOURCES
GREENWOOD POND BMP RETROFIT
AND BLACKWATER CREEK
TRIBUTARY STREAM RESTORATION

CIVIL

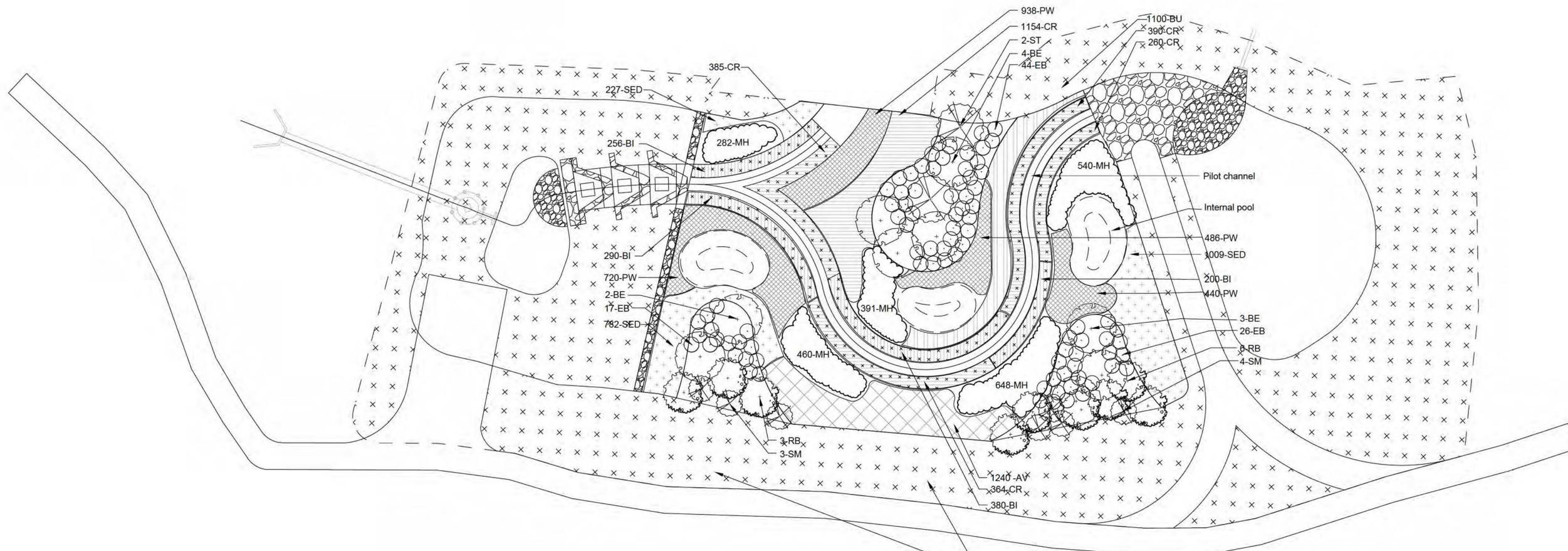
SPILLWAY AND PILOT CHANNEL DETAILS

FILE NAME	LY907LC06
DWG	CC7
SHEET	33 OF 35
DATE	OCTOBER 2016
REV	0

GREENWOOD CONSTRUCTED WETLAND PLANT SCHEDULE									
PLANT INFORMATION				PLANT SIZE				zone*	NOTES
MARK	QTY	COMMON TRADE	BOTANICAL OR LATIN	CAL(IN.)	HEIGHT	CONT	HEIGHT		
TREES									
BE	9	Serviceberry	Amelanchier	1"		BB	5 gal		2,3
ST	2	Swamp Tupelo	Nyssa biflora	1"		BB	5 gal		2,3
SM	7	Sweetbay Magnolia	Magnolia virginiana	1"		BB	5 gal		3,4
RB	9	River Birch	Betula nigra	1"		BB	5 gal		3,4
HERBACEOUS									
EB	87	Elderberry	Sambucus canadensis			plug			3
AV	1240	Arrowwood Viburnum	Viburnum dentatum			plug			2,3
SHRUBS									
BI	1126	Blueflag Iris	Iris versicolor			plug			2,3
BU	1100	Bulltongue Arrowhead	Sagittaria latifolia			plug			2,3
CR	2168	Common Rush	Juncus spp			plug			2,3
MH	2321	Marsh Hibiscus	Hibiscus moscheutos			plug			2,3
PW	2584	Pickeralweed	Pontederia cordata			plug			2,3
SED	2018	Sedges	Carex spp.			plug			2,3
EXTRANEOUS MATERIAL									
	2730 SF	SEED	VA Riparian Forest FACW Mix						low marsh=100% coverage
	5350 SF	SEED	VA Riparian Forest FACW Mix						high marsh=50% coverage
	2730 SF	BioD-Mat							low marsh area only

*NOTE: ZONE 2,3 REFER TO WETLAND PLANTING DESIGNATIONS FROM THE VA STORMWATER DESIGN SPECIFICATION MANUAL NO. 13-CONSTRUCTED WETLANDS VOL 2.0

REFER TO SHEET CL2 FOR SOIL AMENDMENT REQUIREMENTS



Z:\MUNICIPAL\LYNCHBURG BMP PROJECTS\GREENWOOD_POND\CADD\2016-03-30 GREELEY DWG TRANSMITTAL NEW 2D\HDL\SCAPE OCT 2016 2016/10/03 4:18 PM NATHAN HARBIN

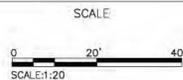


GREELEY AND HANSEN
9020 STONY POINT PARKWAY, SUITE 475
RICHMOND, VIRGINIA 23235

DESIGNED CEA
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NO.	DATE	APPD	REVISION

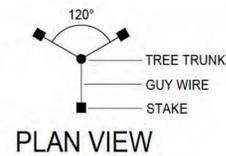


CITY OF LYNCHBURG, VIRGINIA
DEPARTMENT OF WATER RESOURCES
GREENWOOD POND BMP RETROFIT
AND BLACKWATER CREEK
TRIBUTARY STREAM RESTORATION

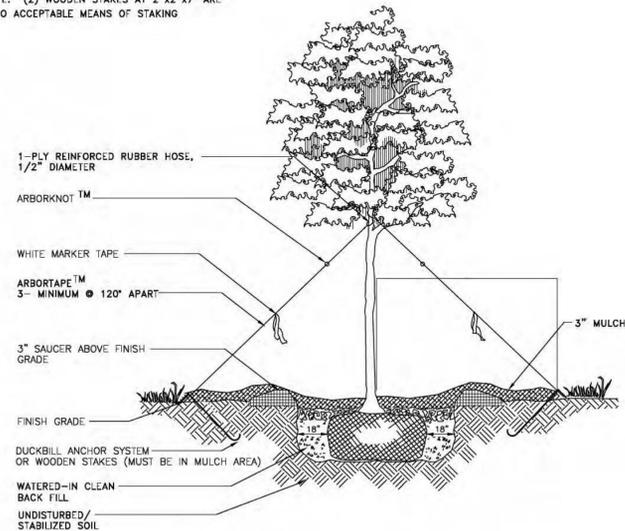
LANDSCAPE ARCHITECTURE
PLANTING PLAN

FILE NAME HDL\SCAPE OCT 2016
DWG CL1
SHEET 34 OF 35
DATE OCTOBER 2016 REV 0

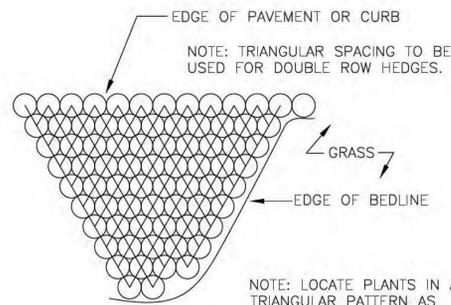
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NOTE: (2) WOODEN STAKES AT 2"x2"x7" ARE ALSO ACCEPTABLE MEANS OF STAKING

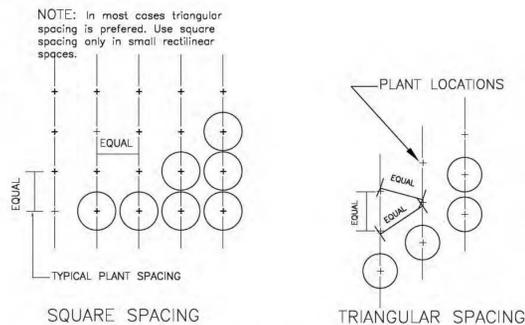


A TREE PLANTING SINGLE LEADER
NOT TO SCALE

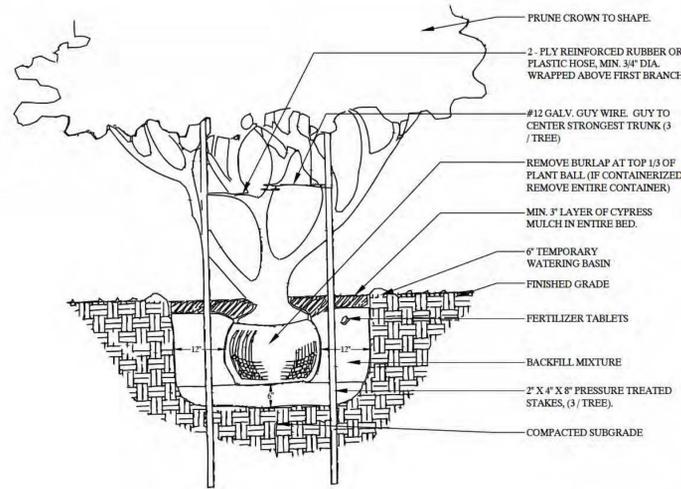


D SHRUB SPACING
NOT TO SCALE

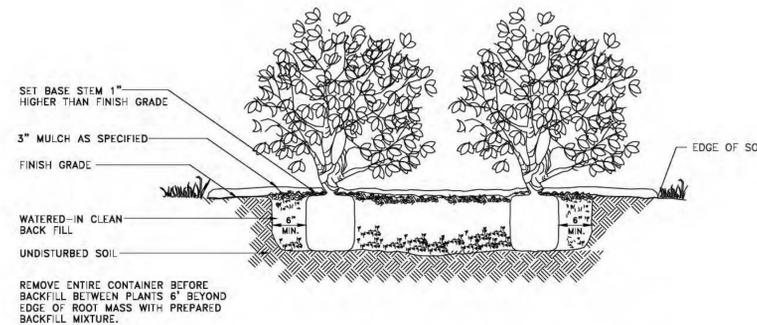
NOTE: LOCATE PLANTS IN A TRIANGULAR PATTERN AS SHOWN, SPACED EQUIDISTANT FROM EACH OTHER (AT SPACING SPECIFIED IN THE PLANT LIST).



E GROUNDCOVER SPACING
NOT TO SCALE



B TREE PLANTING MULTI-TRUNK
NOT TO SCALE



C SHRUB & GROUNDCOVER PLANTING
NOT TO SCALE

TREE AND SHRUB PLANTING SUPPLEMENT:

1. REMOVE PINNING NAILS OR ROPE FROM EARTH BALL TOPS AFTER PLANTING.
2. CUT AWAY THE WRAPPING MATERIALS AROUND NECK/TRUNK OF PLANT.
3. REMOVE ALL NON-DEGRADABLE WRAPPING.
4. FOLD BACK THE TOP OF WIRE FROM WIRE BASKETS.
5. REMOVE ALL ROPE FROM TRUNKS OF TREES.
6. CUT THROUGH ROOTS CIRCLING THE ROOT BALL EXTERIOR IN CONTAINER GROWN TREES AND SHRUBS TO PREVENT THE ROOTS FROM GIRDLING THE PLANT.
7. WATER THOROUGHLY TO SETTLE AIR POCKETS WHEN HOLE IS HALF FILLED.
8. WATER ALL PLANTS IMMEDIATELY AFTER PLANTING.
9. REMOVE TAGS AND LABELS FROM TREES AND SHRUBS TO PREVENT GIRDLING BRANCHES AND TRUNKS.
10. MULCH PITS, TRENCHES AND PLANTED AREAS. PROVIDE 3-INCH THICKNESS OF HARDWOOD MULCH.
11. FORM SAUCER WITH MINIMUM 4" HIGH BERM (OR 1 1/2" HEIGHT FOR EACH CALIPER OF TREE) AROUND TREE AND SHRUB PITS 12" WIDER THAN BALL DIAMETER.
12. ON SLOPES FORM SAUCER ONLY ON LOWER 2/3 OF PLANT.
13. KEEP MULCH FROM TOUCHING THE TREE TRUNK OR SHRUB STEMS.
14. PROVIDE TREE SPECIES WITH A SINGLE MAIN TRUNK. TREES THAT HAVE THE MAIN TRUNK FORMING A "Y" SHAPE ARE NOT ACCEPTABLE, UNLESS NOTED.
15. LIFT AND SET THE TREE BY ROOT BALL ONLY. DO NOT LIFT USING THE TREE TRUNK AND DO NOT USE TREE TRUNK AS A LEVER.
16. SET THE TOP OF THE ROOT BALL 1" ABOVE SOIL SURFACE OR SLIGHTLY HIGHER IF THE SOIL IS PRONE TO SETTLING.
17. REMOVE ANY TRUNK WRAP REMAINING AT TIME OF PLANTING. NO WRAPS SHALL BE PLACED ON TRUNK.

THE CONTRACTOR IS ENCOURAGED TO VISIT THE SITE MONTHLY TO REVIEW PLANT GROWTH AND MAINTENANCE, AND TO NOTIFY LANDSCAPE ARCHITECT AND OWNER IN WRITING OF ANY PROBLEMS NOTICED.

GENERAL NOTES FOR CONTRACTOR:

1. VISIT SITE TO INSPECT EXISTING CONDITIONS PRIOR TO BEGINNING ANY WORK. CONTACT LANDSCAPE ARCHITECT WITH ANY QUESTIONS OR CLARIFICATIONS.
2. CONTACT OWNER AND LANDSCAPE ARCHITECT 7 DAYS PRIOR TO MOBILIZING ON SITE.
3. ACCESS TO SITE AND EQUIPMENT/MATERIAL STORAGE AREAS TO BE COORDINATED WITH OWNER.
4. ALL AREAS ADJACENT TO THE POND DISTURBED BY CONTRACTOR DURING CONSTRUCTION TO BE RESTORED TO THEIR PRE-EXISTING CONDITION, OR BETTER. THIS PRIMARILY INCLUDES FINE GRADING AND SEEDING OF AREAS DISTURBED BY HEAVY EQUIPMENT. REPAIRS ARE AT CONTRACTOR'S EXPENSE.
5. CONTRACTOR TO MEET ALL APPLICABLE LOCAL, STATE, FEDERAL, EPA AND DEQ REQUIREMENTS.
6. CONTRACTOR IS RESPONSIBLE FOR SECURING ANY APPLICABLE PERMITS AND/OR BOND REQUIRED BY CITY.
7. SLOPES (LOW MARSH) ALONG PILOT CHANNEL TO BE PREPARED AND PLANTED AS DESCRIBED BELOW AND SHOWN ON PLAN.
8. CONTRACTOR TO DISPOSE OF STRIPPED MATERIAL OFFSITE AT APPROVED SPOIL AREA. AREAS TO BE PLANTED SHALL BE FREE OF ALL ROOTS, ROCKS AND OTHER DEBRIS. REFER TO 'SOIL AMENDMENTS' BELOW FOR GUIDANCE ON PREPARING AREAS TO BE PLANTED.
9. PRECISELY FOLLOW INSTALLATION INSTRUCTIONS FOR LANDSCAPE PLUGS.
10. LANDSCAPE PLUGS ARE TO BE SET IN BIOD-MAT 40 IN AREAS DESIGNATED AS LOW MARSH. SEE ROLANKA BIOD-MAT 40 INSTALLATION PROCEDURES.
11. CONTRACTOR IS RESPONSIBLE FOR ALL MAINTENANCE AND WATERING OF PLANT MATERIAL UNTIL FINAL ACCEPTANCE BY THE OWNER. PLANT MATERIAL SHALL HAVE A ONE YEAR WARRANTY WITH WARRANTY PERIOD BEGINNING UPON FINAL ACCEPTANCE.

ROLANKA BIOD-MAT 40 - INSTALLATION PROCEDURE:

1. GRADE THE SLOPE TO THE DESIRED LEVEL OF GRADIENT. THE SURFACE OF THE SOIL SHOULD BE SMOOTH AND FREE OF ROCKS, ROOTS AND OTHER OBSTRUCTIONS. BEFORE PLACING THE SELECTED BLANKET.
2. START INSTALLING THE BLANKET FROM THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6 IN DEEP AND 6 IN WIDE ANCHOR TRENCH. PLACE THE BLANKET, BACKFILL AND COMPACT.
3. ROLL THE BLANKETS DOWN THE SLOPE (RECOMMENDED) OR ACROSS THE SLOPE, IF NECESSARY. ANCHOR THE OPEN BLANKET EDGE USING ONE ROW OF SUITABLE ANCHORS (METAL STAPLES OR PINE PEGS) AT 1.5 - 2 FEET INTERVALS. THE MIDDLE OF THE BLANKETS SHOULD BE ANCHORED USING THE SUITABLE STAPLE SPACING ACCORDING TO THE STEEPNESS OF THE SLOPE (TABLE 1). ALWAYS PLACE ANCHORS IN A STAGGERED PATTERN. BE SURE TO LAY BLANKETS LOOSELY ON THE GROUND ALLOWING A GOOD CONTACT BETWEEN THE SOIL AND BLANKET.
4. WHEN BLANKET SPlicing IS NECESSARY, OVERLAP BLANKETS AT LEAST 8 INCHES. THE UP SLOPE BLANKET SHOULD BE ON THE TOP. USE TWO ROWS OF STAPLES WITH A STAGGERED PATTERN TO ANCHOR BLANKET JOINTS. OVERLAP SIDES OF BLANKETS AT LEAST 8 IN AND USE ANCHORS ALONG THE OVERLAP AT 12 IN SPACING.
5. AT THE BOTTOM OF THE SLOPE, BLANKET EDGE SHOULD BE ANCHORED TO THE GROUND PROPERLY WITH A 6 IN DEEP AND 6 IN WIDE ANCHOR TRENCH AT THE TOE OF THE SLOPE.
6. USE METAL STAPLES OF GAUGE 11 TO ANCHOR BLANKETS. RECOMMEND USING 6 IN (MINIMUM) LONG STAPLES FOR TEMPORARY BLANKET TYPES AND 8 IN (MINIMUM) LONG STAPLES FOR SEMI-PERMANENT AND PERMANENT MATS. IF WOODEN PEGS ARE USED, THE MINIMUM LENGTH SHOULD BE 12 INCHES. ANCHORS SHOULD BE LONG ENOUGH TO PROVIDE A STRONG BOND BETWEEN THE BLANKET AND THE GROUND. REQUIRED ANCHOR LENGTH MAY VARY DEPENDING ON THE SOIL CONDITION. SANDY SOILS MAY REQUIRE LONGER ANCHORS.

BIOD-MAT 40 BLANKET IS AVAILABLE IN 4 DIFFERENT ROLL SIZES:

- 3.28 FT X 83 FT = 30 SY/ROLL (1M X 25M = 25 M2/ROLL)
- 6.56 FT X 166 FT = 120 SY/ROLL (2M X 50M = 100 M2/ROLL)
- 9.84 FT X 166 FT = 180 SY/ROLL (3M X 50M = 150 M2/ROLL)
- 13.1 FT X 83 FT = 120 SY/ROLL (4M X 25M = 120 M2/ROLL)

SOIL AMENDMENTS - ALL AREAS TO BE PLANTED SHALL BE AMENDED AS FOLLOWS:

1. COMPOST AT A RATE OF 75 LBS. PER 100 SQ. FT.
- COMPOSTED MATERIAL SHALL BE ROYAL OAK FARM BLUEBLOOD™ GARDEN COMPOST OR EQUIVALENT, AND MUST BE IN COMPLIANCE WITH VA DEPARTMENT OF ENVIRONMENTAL QUALITY'S SPECIFICATIONS, WHICH APPEAR IN 9 VAC 20-80-330;
- THE COMPOST MUST BE REGISTERED WITH THE USCC STA PROGRAM.
 - THE CARBON TO NITROGEN RATIO OF THE COMPOST SHALL BE BELOW 25:1.
 - THE COMPOST SHALL HAVE AN ORGANIC MATTER CONTENT OF 35% TO 65% AS
 - DETERMINED BY "LOSS ON IGNITION" TEST METHOD.
 - SUBMIT ONE-GALLON SAMPLE, SOURCE, AND COMPOST TECHNICAL DATA SHEET FROM THE SUPPLIER TO THE OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO INSTALLATION.

2. SOFT ROCK PHOSPHATE AT A RATE OF 5 LBS. PER 100 SQ. FT.
3. SULFATE OF POTASH AT A RATE OF 1 LB. PER 100 SQ. FT.

Slope	L	D
>1:1 slope	3 ft	2 ft
2:1 slope	4 ft	2 ft
3:1 slope	6 ft	3 ft
4:1 slope	8 ft	3 ft

How to Use Landscape Plugs

Tips for Highest Survival Rates

When to Plant

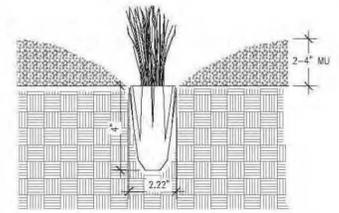
- Install LP50's and LP32's while they are in active growth only. Depending on temperature most species will break-winter dormancy in early spring.
- Installation windows vary by species and plant metabolism—consult our ecological sales team for guidance on proper species selection.
- Installing outside optimal planting windows may require higher initial management inputs and result in plant loss.
- In order to plant efficiently and reduce soil compaction, monitor weather conditions and (unless planting into hydric soil) avoid planting if soil on site is too wet.

Site Preparation

- If planting into a dressing of mulch, apply prior to planting to save time. To protect plant crowns, only apply an appropriate layer of mulch (2-4").
- Avoid all unnecessary soil compaction while preparing and planting the site (foot traffic, machinery, etc).
- Water plug trays thoroughly prior to buying out plants.
- Maintain the site's hydrologic functions: <http://www2.epa.gov/polluted-runoff-nonpoint-source-pollution>

How to Plant

- Remove plugs from trays by pushing up through bottom of liner.
- Do not pull the plant by the vegetative material.
- Do not 'tease' the root system apart.
- Ensure that native soil level evenly matches up to the top of the soil of the Landscape Plug.
- Tamp in soil around Landscape Plug to increase soil-root contact and minimize potential for frost heaving.
- Water immediately to reduce air pockets and maximize contact between LP roots and soil nutrients.



GREELEY AND HANSEN
9020 STONY POINT PARKWAY, SUITE 475
RICHMOND, VIRGINIA 23235

DESIGNED CEA
DRAWN CEA
CHECKED NJH

APPROVED

NO.	DATE	APPD	REVISION

SCALE

CITY OF LYNCHBURG, VIRGINIA
DEPARTMENT OF WATER RESOURCES
GREENWOOD POND BMP RETROFIT
AND BLACKWATER CREEK
TRIBUTARY STREAM RESTORATION

LANDSCAPE ARCHITECTURE
PLANTING PLAN

FILE NAME HDL\SCAPE OCT 2016
DWG CL2
SHEET 35 OF 35
DATE OCTOBER 2016 REV 0