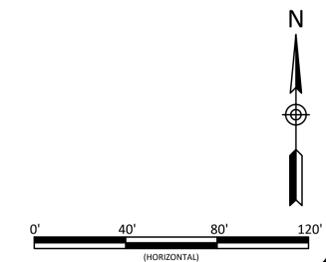


- NOTE: APPLY PLANTING SECTION TO HATCHED AREAS ON PLANS FOR PATTON PARK SITE. WIDTHS SHOWN IN SECTION ABOVE ARE FOR EXAMPLE PURPOSES ONLY.
- ### PLANTING SECTION
- NOTES:
1. DISTURBED AREAS WITHIN THE STREAMBANK MAINTENANCE EASEMENT SHALL BE SEEDED WITH TEMPORARY SEED MIX AND RIPARIAN SEED MIX(SEE DETAILS 5 AND 6, SHEET 0.45).
 2. DISTURBED AREAS OUTSIDE OF THE STREAMBANK MAINTENANCE EASEMENT SHALL BE SEEDED WITH TEMPORARY SEED MIX AND DISTURBED AREA SEED MIX (SEE DETAILS 5 AND 7, SHEET 0.45).
 3. SEE DETAIL 1, SHEET 0.42 FOR EROSION CONTROL MATTING DETAILS.
 4. SEE DETAIL 4, SHEET 0.45 FOR LIVE STAKE DETAILS.
 5. SEE DETAIL 2, SHEET 0.45 FOR HERBACEOUS PLUG DETAILS.

- TREE & SHRUB CONTAINER PLANTINGS, FULL HEIGHT SPECIES TABLE - SEE TABLE SHT 0.45 FOR SPECIES AND DENSITY
- TREE & SHRUB CONTAINER PLANTINGS, LOW HEIGHT SPECIES TABLE - SEE TABLE SHT 0.45 FOR SPECIES AND DENSITY

- NOTES:
1. TEMPORARY SEED, PERMANENT SEED, AND MULCH TO BE APPLIED TO ALL DISTURBED AREAS. SEE SHEET 0.45 FOR SEED MIXES AND DETAILS. RIPARIAN IS THE PERMANENT SEED TYPE TO BE APPLIED WITHIN EASEMENT.
 2. INVASIVES FOR STREAM ENHANCEMENT REACHES, SHEETS 6.21 - 6.22, HAVE NOT BEEN MAPPED. CONTRACTOR TO FIELD LOCATE AND TREAT ACCORDING TO SPECIFICATIONS.

LOD=1.69 AC (SHTS 6.21, 6.22, 6.31 ONLY, SEE 6.1 FOR RIPARIAN ENH. AREAS)
 PERMANENT SEEDING AREA = 0.33 AC DISTURBED AREA SEED, 0.31 AC RIPARIAN SEED (SHTS 6.21, 6.22, 6.31 ONLY, SEE 6.1 FOR RIPARIAN ENH. AREAS)



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Multi-Area Streambank Restoration Project
SRF Project No. CS370444-10

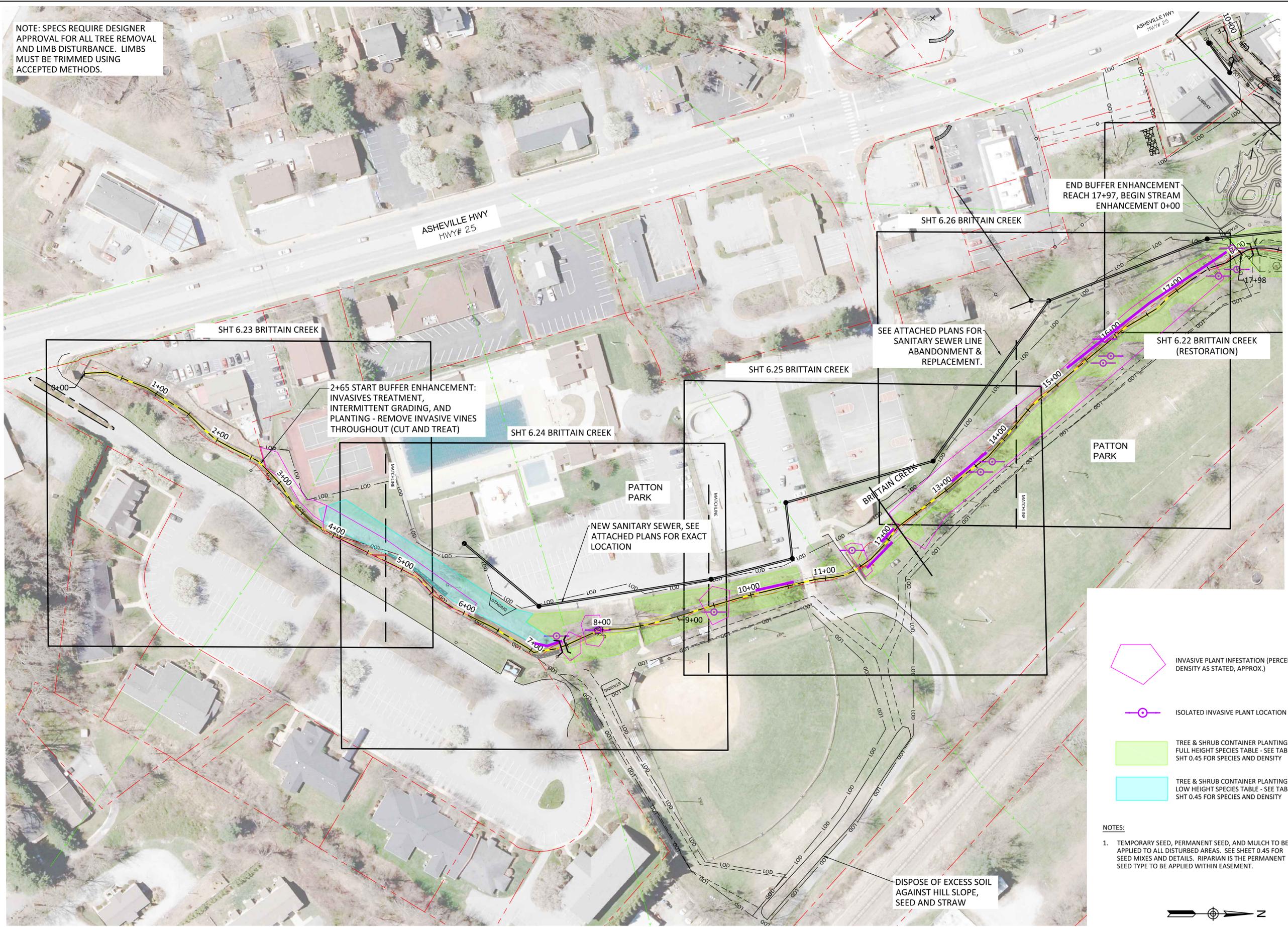
Patton Park Site (Site Q1G)
 Overview

Date:	Job Number:	Project Engineer:	Drawn By:	Checked By:	Revisions:
08.10.2018	005-20252	JPM	JDW	SG	

6.0

Sheet

NOTE: SPECS REQUIRE DESIGNER APPROVAL FOR ALL TREE REMOVAL AND LIMB DISTURBANCE. LIMBS MUST BE TRIMMED USING ACCEPTED METHODS.

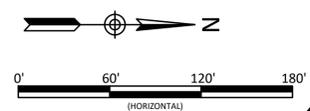


LEGEND

- INVASIVE PLANT INFESTATION (PERCENT DENSITY AS STATED, APPROX.)
- ISOLATED INVASIVE PLANT LOCATION
- TREE & SHRUB CONTAINER PLANTINGS, FULL HEIGHT SPECIES TABLE - SEE TABLE SHT 0.45 FOR SPECIES AND DENSITY
- TREE & SHRUB CONTAINER PLANTINGS, LOW HEIGHT SPECIES TABLE - SEE TABLE SHT 0.45 FOR SPECIES AND DENSITY

NOTES:

- TEMPORARY SEED, PERMANENT SEED, AND MULCH TO BE APPLIED TO ALL DISTURBED AREAS. SEE SHEET 0.45 FOR SEED MIXES AND DETAILS. RIPARIAN IS THE PERMANENT SEED TYPE TO BE APPLIED WITHIN EASEMENT.



LOD=3.56 AC (SHTS 6.23-6.26 ONLY, SEE 6.0 FOR STREAM ENH. AREAS)
 PERMANENT SEEDING AREA = 0.8 AC DISTURBED AREA SEED, 1.9 AC RIPARIAN SEED, OVERSEED ALL INVASIVES TREATMENT AREAS (SHTS 6.23-6.26 ONLY, SEE 6.0 FOR STREAM ENH. AREAS)
 Base mapping for enhancement reach shown on this overview is from COH sanitary sewer improvement project planning data and is provided here and on plan sheets for reference only

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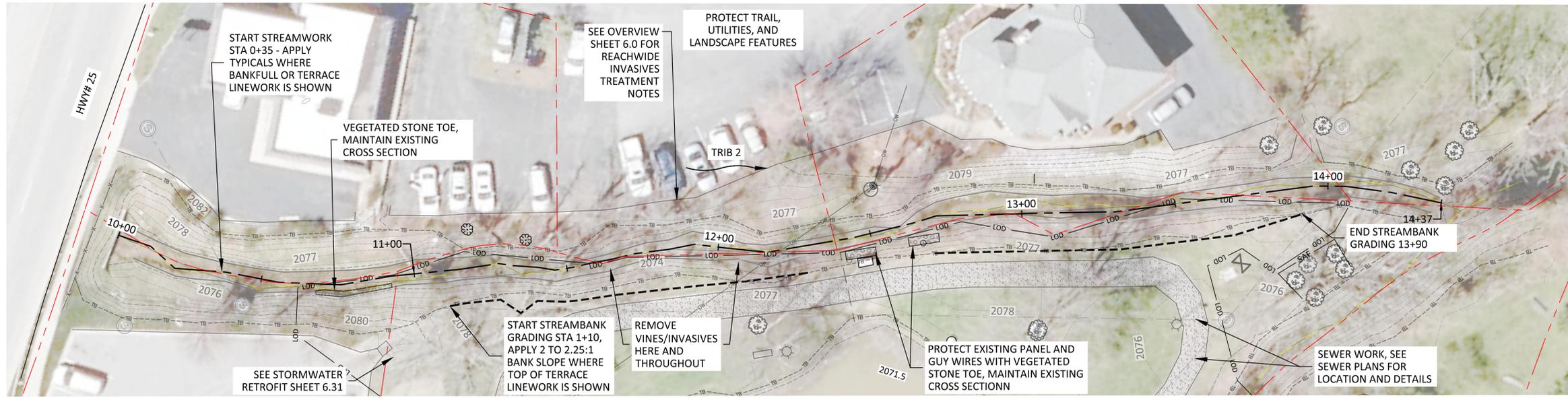
Multi-Area Streambank Restoration Project
 SRF Project No. CS370444-10
 Patton Park Site (Site Q1G)
 Overview - Enhancement

Revisions:

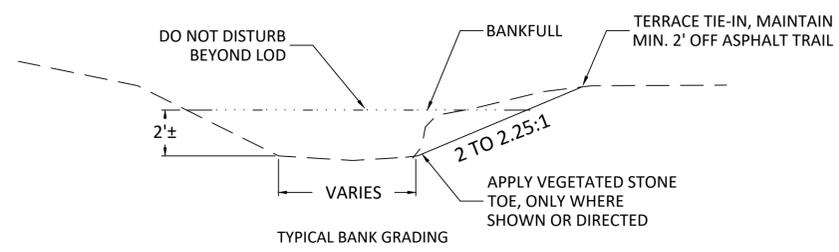
Date: 08.10.2018
 Job Number: 005-20252
 Project Engineer: JPM
 Drawn By: JDW
 Checked By: SG

6.1

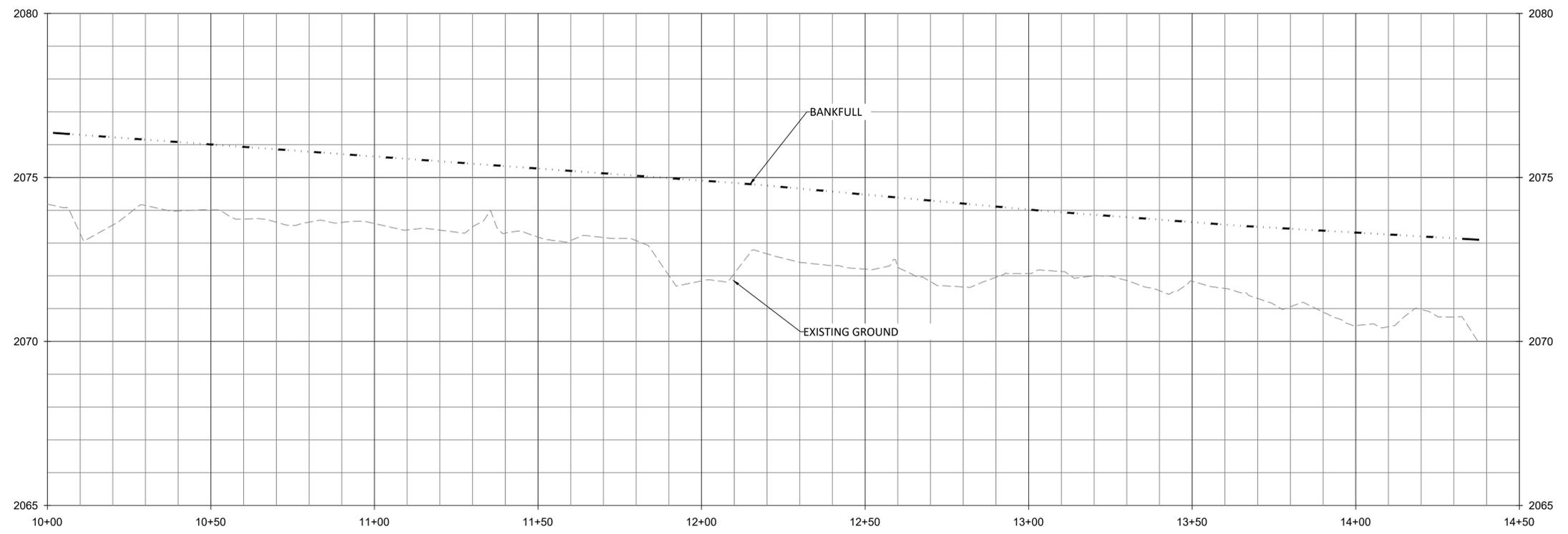
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EROSION CONTROL NOTE: PROPOSED CONTOURS ARE NOT SHOWN FOR CLARITY. ALL GRADING IS WITHIN CHANNEL AND TERRACE AND SHALL BE SEEDED AND MATTED. PUMP AROUND MUST BE OPERATING DURING STREAM WORK AND SHALL CONFORM STANDARD DETAIL 1, SHEET 0.44.



- NOTES:
- MATTING SHALL BE APPLIED PER DETAIL
 - BANK GRADING SHALL INCLUDE REMOVAL OF INVASIVE SPECIES AND ROOTS OF THE SAME. DISPOSE PER SPECIFICATIONS.



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FINAL PLANS FOR REVIEW PURPOSES ONLY

Multi-Area Streambank Restoration Project
SRF Project No. CS370444-10
Patton Park Site (Site Q1G)
Stream Plan and Profile

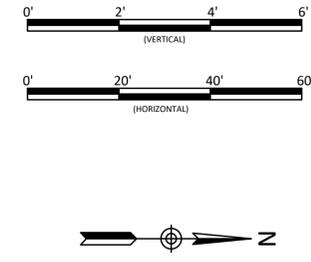
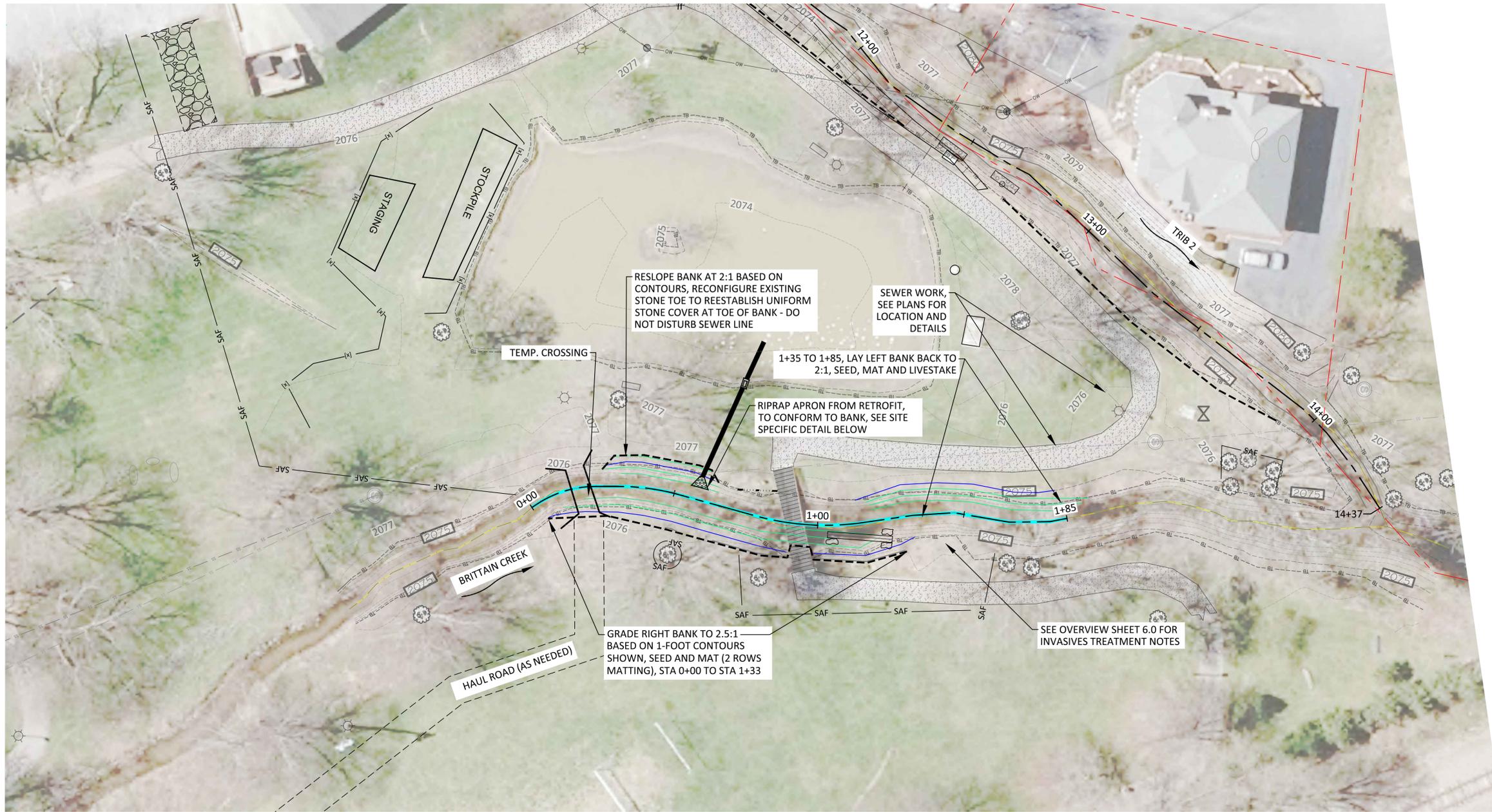
Revisions:

Date: 08.10.2018
Job Number: 005-20252
Project Engineer: JPM
Drawn By: JDW
Checked By: SG

6.21

Sheet

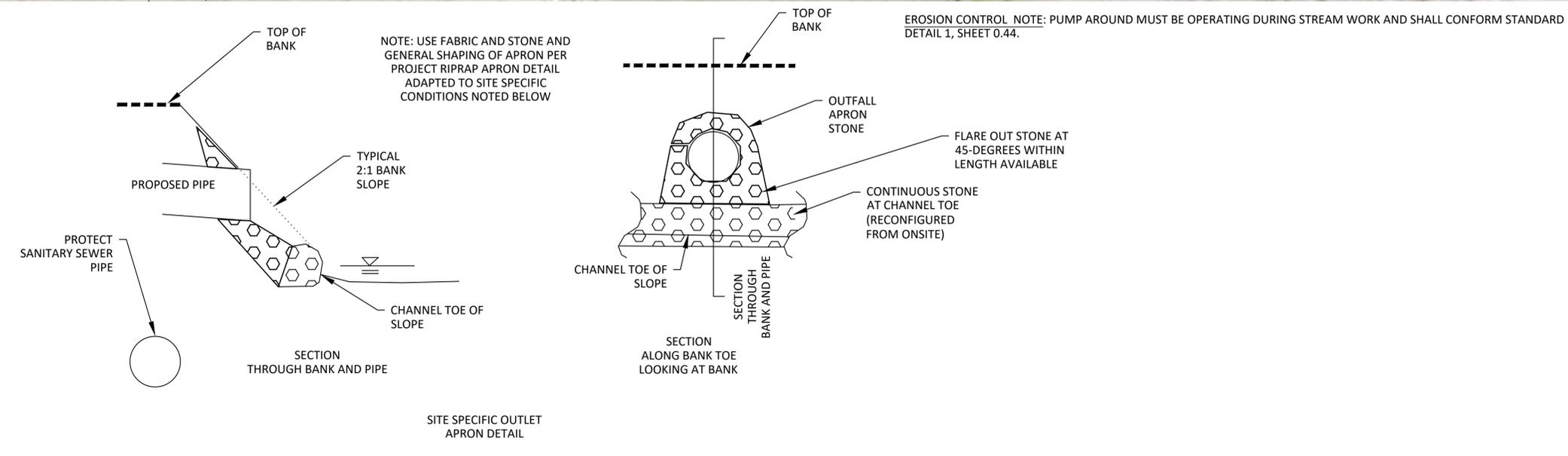
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Multi-Area Streambank Restoration Project
 SRF Project No. CS370444-10
 Patton Park Site (Site Q1G)
 Stream Plan and Profile



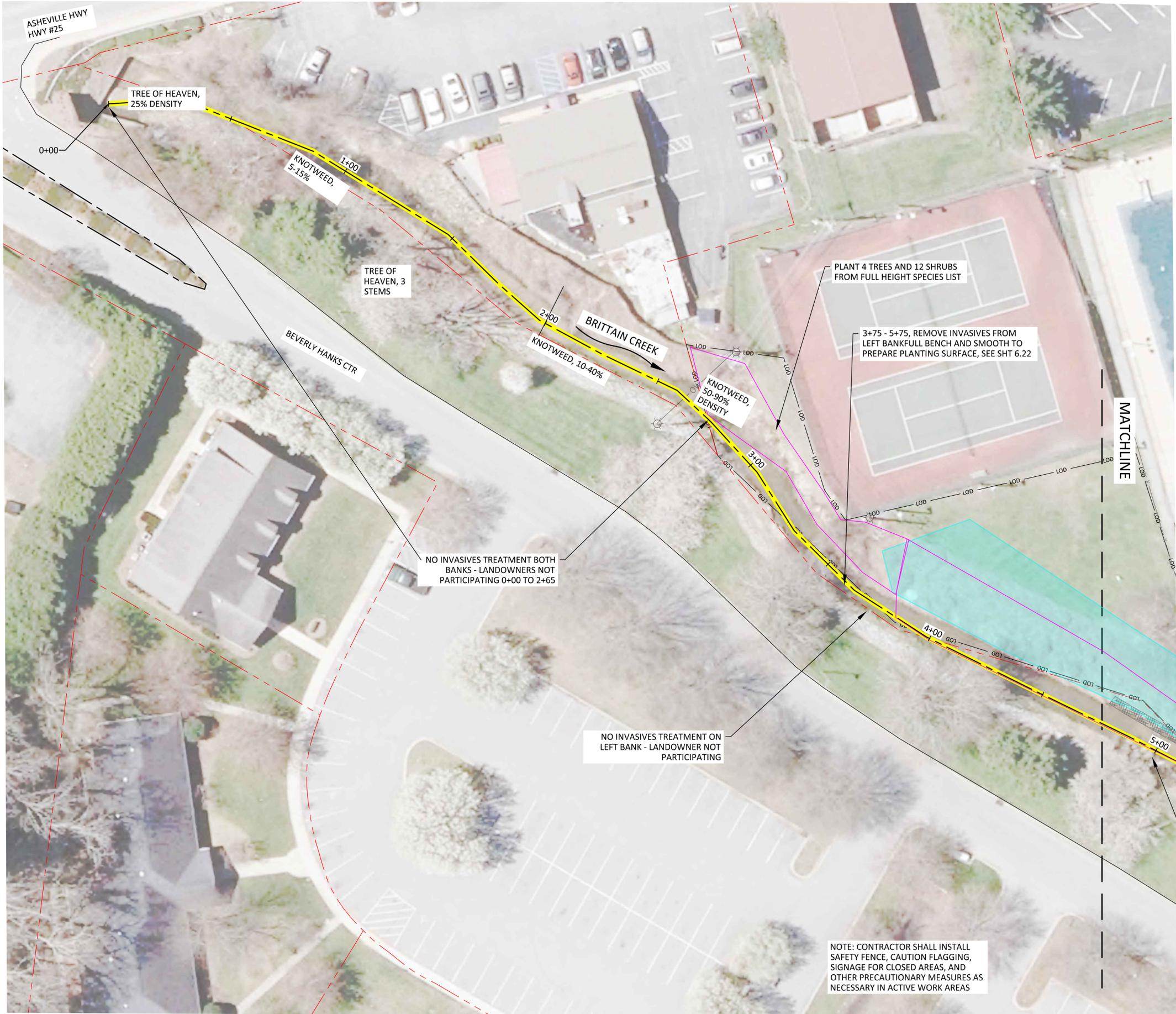
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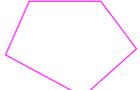
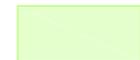
Date: 08.10.2018
 Job Number: 005-20252
 Project Engineer: JPM
 Drawn By: JDW
 Checked By: SG

6.22

Sheet

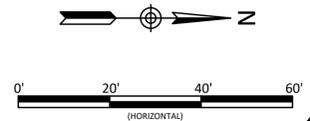
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-  INVASIVE PLANT INFESTATION (PERCENT DENSITY AS STATED, APPROX.)
-  ISOLATED INVASIVE PLANT LOCATION
-  TREE & SHRUB CONTAINER PLANTINGS, FULL HEIGHT SPECIES TABLE - SEE TABLE SHT 0.45 FOR SPECIES AND DENSITY
-  TREE & SHRUB CONTAINER PLANTINGS, LOW HEIGHT SPECIES TABLE - SEE TABLE SHT 0.45 FOR SPECIES AND DENSITY

NOTE: SEE DETAIL 1/0.46 FOR INVASIVE TREATMENT AT THIS SITE

- NOTES:
1. TEMPORARY SEED, PERMANENT SEED, AND MULCH TO BE APPLIED TO ALL DISTURBED AREAS. SEE SHEET 0.45 FOR SEED MIXES AND DETAILS. RIPARIAN IS THE PERMANENT SEED TYPE TO BE APPLIED WITHIN EASEMENT.

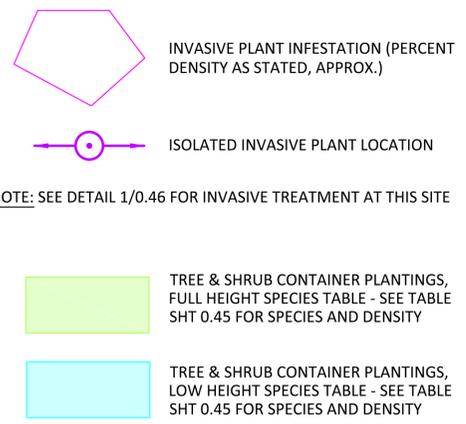
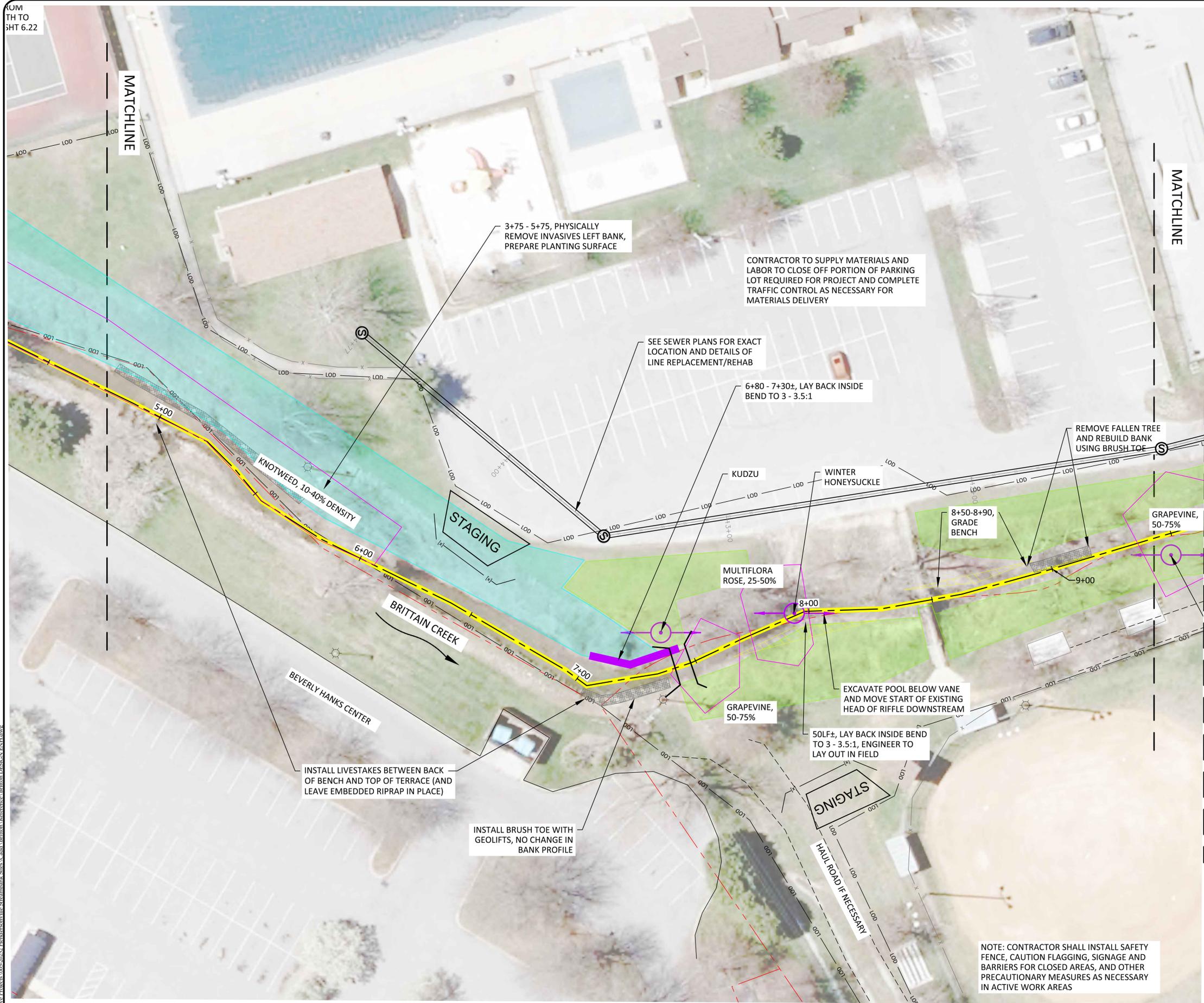


Multi-Area Streambank Restoration Project
SRF Project No. CS370444-10
 Patton Park Site (Site Q1G)
 Buffer Enhancement

Revisions:

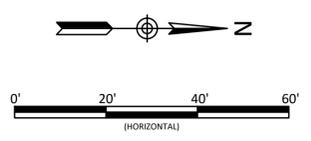
Date: 08.10.2018
 Job Number: 005-20252
 Project Engineer: JPM
 Drawn By: JDW
 Checked By: SG

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NOTE: SEE DETAIL 1/0.46 FOR INVASIVE TREATMENT AT THIS SITE

- NOTES:
- TEMPORARY SEED, PERMANENT SEED, AND MULCH TO BE APPLIED TO ALL DISTURBED AREAS. SEE SHEET 0.45 FOR SEED MIXES AND DETAILS. RIPARIAN IS THE PERMANENT SEED TYPE TO BE APPLIED WITHIN EASEMENT.



EROSION CONTROL NOTE: PROPOSED CONTOURS ARE NOT SHOWN FOR CLARITY. ALL GRADING IS WITHIN CHANNEL AND TERRACE AND SHALL BE SEEDED AND MATTED. PUMP AROUND MUST BE OPERATING DURING STREAM WORK AND SHALL CONFORM STANDARD DETAIL 1, SHEET 0.44.

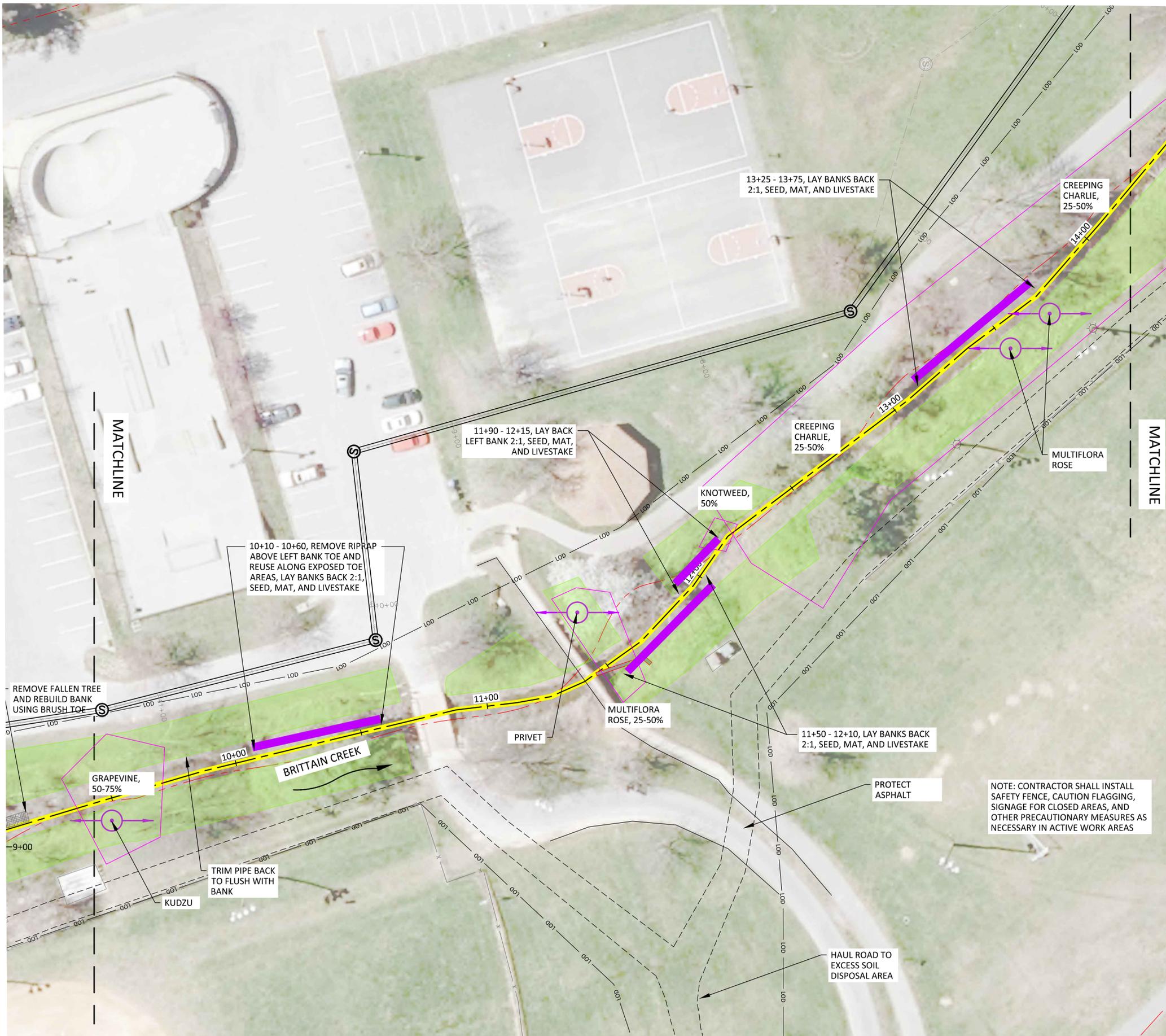
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Multi-Area Streambank Restoration Project
SRF Project No. CS370444-10
Patton Park Site (Site Q1G)
Buffer Enhancement

Revisions:

Date: 08.10.2018
Job Number: 005-20252
Project Engineer: JPM
Drawn By: JDW
Checked By: SG



LOD=1.69 AC (SHTS 6.23-6.26 ONLY, SEE 6.0 FOR STREAM ENH. AREAS)
 PERMANENT SEEDING AREA = 0.33 AC DISTURBED AREA SEED, 0.31 AC RIPARIAN SEED (SHTS 6.23-6.26 ONLY, SEE 6.0 FOR STREAM ENH. AREAS)

EROSION CONTROL NOTE (APPLIES TO ALL BUFFER ENHANCEMENT SHTS. 6.23 - 6.26): PROPOSED CONTOURS ARE NOT SHOWN FOR CLARITY. ALL GRADING IS WITHIN CHANNEL AND TERRACE AND SHALL BE SEEDED AND MATTED. PUMP AROUND MUST BE OPERATING DURING STREAM WORK AND SHALL CONFORM STANDARD DETAIL 1, SHEET 0.44.

INVASIVE PLANT INFESTATION (PERCENT DENSITY AS STATED, APPROX.)

ISOLATED INVASIVE PLANT LOCATION

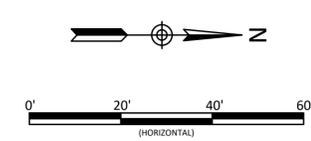
TREE & SHRUB CONTAINER PLANTINGS, FULL HEIGHT SPECIES TABLE - SEE TABLE SHT 0.45 FOR SPECIES AND DENSITY

TREE & SHRUB CONTAINER PLANTINGS, LOW HEIGHT SPECIES TABLE - SEE TABLE SHT 0.45 FOR SPECIES AND DENSITY

NOTES:

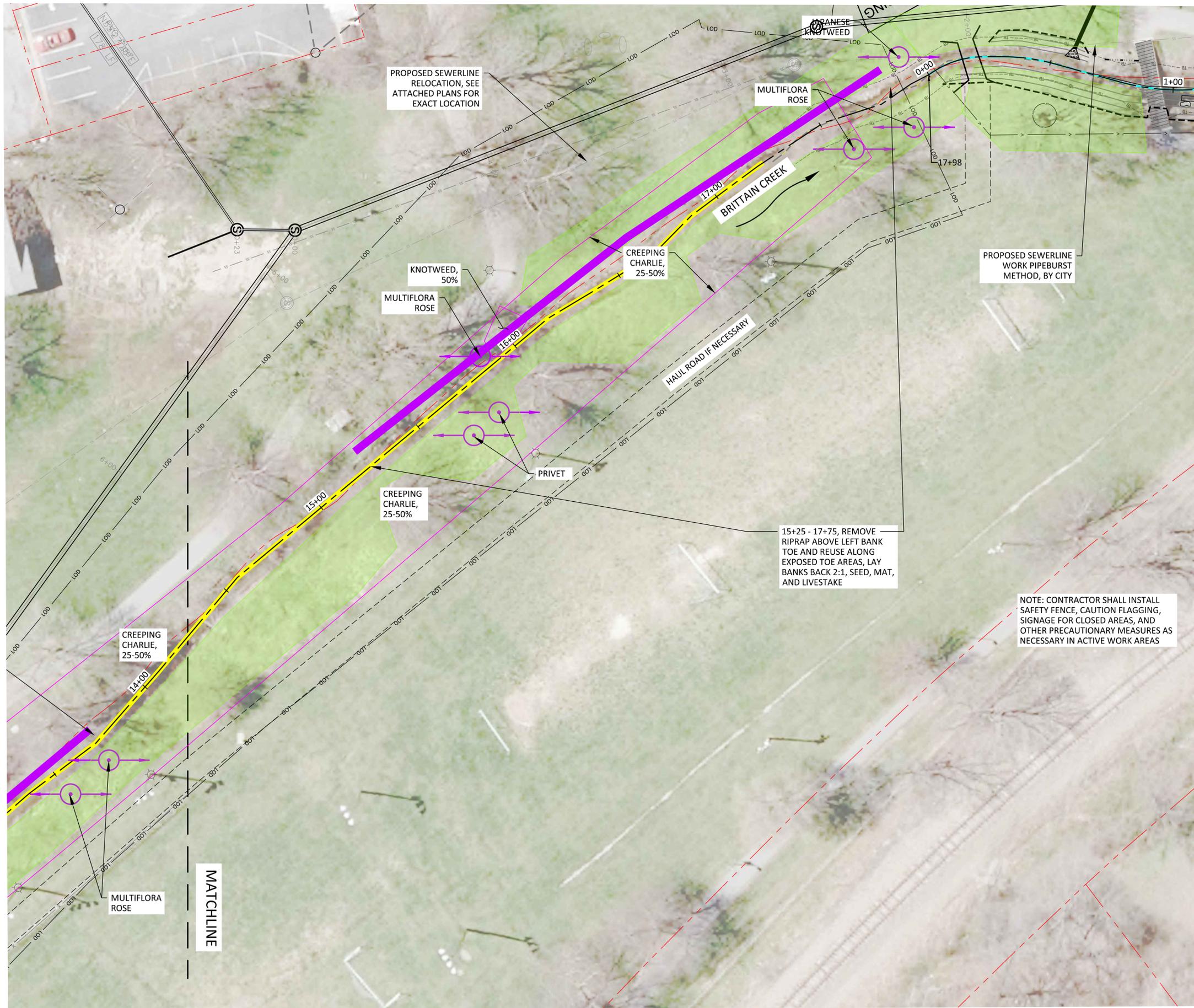
1. TEMPORARY SEED, PERMANENT SEED, AND MULCH TO BE APPLIED TO ALL DISTURBED AREAS. SEE SHEET 0.45 FOR SEED MIXES AND DETAILS. RIPARIAN IS THE PERMANENT SEED TYPE TO BE APPLIED WITHIN EASEMENT.

NOTE: SEE DETAIL 1/0.46 FOR INVASIVE TREATMENT AT THIS SITE



Multi-Area Streambank Restoration Project
 SRF Project No. CS370444-10
 Patton Park Site (Site Q1G)
 Buffer Enhancement

Revisions:



PROPOSED SEWERLINE RELOCATION, SEE ATTACHED PLANS FOR EXACT LOCATION

MULTIFLORA ROSE

BRITTAIN CREEK

PROPOSED SEWERLINE WORK PIPEBURST METHOD, BY CITY

KNOTWEED, 50%

CREeping CHARLIE, 25-50%

HAUL ROAD IF NECESSARY

MULTIFLORA ROSE

16+00

CREeping CHARLIE, 25-50%

PRIVET

15+25 - 17+75, REMOVE RIPRAP ABOVE LEFT BANK TOE AND REUSE ALONG EXPOSED TOE AREAS, LAY BANKS BACK 2:1, SEED, MAT, AND LIVESTAKE

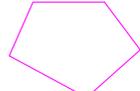
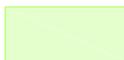
NOTE: CONTRACTOR SHALL INSTALL SAFETY FENCE, CAUTION FLAGGING, SIGNAGE FOR CLOSED AREAS, AND OTHER PRECAUTIONARY MEASURES AS NECESSARY IN ACTIVE WORK AREAS

CREeping CHARLIE, 25-50%

14+00

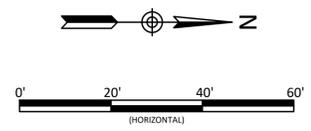
MULTIFLORA ROSE

MATCHLINE

 INVASIVE PLANT INFESTATION (PERCENT DENSITY AS STATED, APPROX.)
 ISOLATED INVASIVE PLANT LOCATION
 TREE & SHRUB CONTAINER PLANTINGS, FULL HEIGHT SPECIES TABLE - SEE TABLE SHT 0.45 FOR SPECIES AND DENSITY
 TREE & SHRUB CONTAINER PLANTINGS, LOW HEIGHT SPECIES TABLE - SEE TABLE SHT 0.45 FOR SPECIES AND DENSITY

NOTE: SEE DETAIL 1/0.46 FOR INVASIVE TREATMENT AT THIS SITE

- NOTES:
- TEMPORARY SEED, PERMANENT SEED, AND MULCH TO BE APPLIED TO ALL DISTURBED AREAS. SEE SHEET 0.45 FOR SEED MIXES AND DETAILS. RIPARIAN IS THE PERMANENT SEED TYPE TO BE APPLIED WITHIN EASEMENT.



Multi-Area Streambank Restoration Project
SRF Project No. CS370444-10
 Patton Park Site (Site Q1G)
 Buffer Enhancement

Revisions:

Date: 08.10.2018
 Job Number: 005-20252
 Project Engineer: JPM
 Drawn By: JDW
 Checked By: SG

6.26

Sheet

UTILITIES TO BE PROTECTED OR DISCONNECTED AND REPAIRED UPON COMPLETION AS NECESSARY

AT DIRECTION OF DESIGNER, CONSTRUCT BOULDER-STONE BASIN TO RECEIVE OUTFLOW FROM PARKING LOT

CONSTRUCT SWALE AVOID UTILITIES, USE STONE/MATTING AS DIRECTED TO CONSTRUCT

OPTION 1: ADA COMPLIANT SLOTTED DRAIN INVERT=2076.25, CUT AND REPAIR PAVEMENT
OPTION 2: REMOVE 10-15' SECTION OF PATH, REINSTALL WITH CROSS SLOPE (WATER FLOWS OVER PATH) AND GRADE TO DRAIN TO POND

REMOVE OLD STRUCTURE IF PRESENT AND ASSOCIATED PIPING, IF PRESENT

16x6' PRESSURE TREATED WOOD OBSERVATION DECK WITH STEP UP TO DECK AND END SEATING (TYP), CHARACTER IMAGES BELOW, BID AS ADD-ALTERNATE - EXACT LOCATION MAY VARY

ELECTRICAL BOX IS THOUGHT TO BE OBSOLETE, CONFIRM AND REMOVE

EXISTING POND WSE=2075.15'

IMPLEMENT GRADING PLAN TO CONVERT WET POND TO STORMWATER WETLAND WITH PERMANENT POOL (ORIFICE) AT ELEV = 2074.75

FUTURE BENCHES, BY OTHERS

4x3x3' BOULDERS WITH FLAT TOP

EXISTING BRIDGE

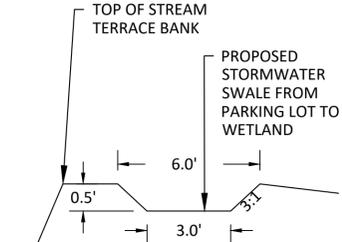
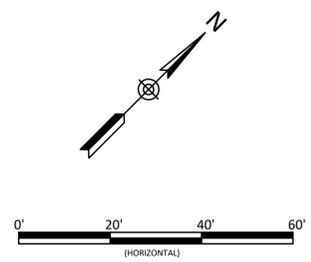
PIPE OUTLET INV. @ CREEK, SEE DETAIL FOR OUTLET SHT 6.22

TOP SS PIPE=2070.7'± (3'± BELOW INVERT OF PROPOSED OUTLET PIPE)

STORMWATER WETLAND OUTLET DETAIL SHT 0.44, ORIFICE=2074.75' WEIR=2075.75

EMERGENCY SPILLWAY, 2075.9, LIGHT GRADING TO PROVIDE POSITIVE DRAINAGE TO LOW AREA, SEED AND STRAW

STAGING AREA



- NOTES:
- USE ON-SITE RIPRAP, JUNCUS PLUGS AND MATTING TO STABILIZE AS DIRECTED BY DESIGNER IN FIELD.



End Seating Example



Observation Deck Character Image

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Multi-Area Streambank Restoration Project
SRF Project No. CS370444-10

Patton Park Site (Site QIG)
Stormwater Plan

Revisions:

Date: 08.10.2018
Job Number: 005-20252
Project Engineer: JPM
Drawn By: JDW
Checked By: SG

6.31

Sheet

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