TOMPKINS COUNTY SOIL AND WATER CONSERVATION DISTRICT SIX MILE CREEK AT BANKS ROAD MAINTENANCE REPAIRS



By: WBG \1393004 (Plott C: /U

CONTRACT NO. 1 - GENERAL CONSTRUCTION

BANKS ROAD, TOWN OF CAROLINE TOMPKINS COUNTY, NEW YORK



SEPTEMBER 2023

FOR REGULATORY REVIEW **NOT FOR CONSTRUCTION**



Sheet Number

Project Number 1393.004.003

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	 <u>COORDINATE SYSTEM NOTES</u> 1. COORDINATES AND BEARINGS ARE BASED ON NAD83 NEW YORK STATE PLANE COORDINATE SYSTEM - CENTRAL ZONE (US SURVEY FEET). ELEVATIONS ARE BASED ON NAVD 88. 	<u>RESTORA</u> COVER CR LB./ACRE.
	PROTECTION OF EXISTING VEGETATION	COVER CI
	 EXISTING MATURE TREES AND ESTABLISHED WOODY SHRUBS ADJACENT TO THE LIMITS OF DISTURBANCE ARE TO BE PROTECTED TO THE EXTENT PRACTICABLE DURING CONSTRUCTION. CONTRACTOR SHALL CLEARLY DEMARCATE THE LIMITS OF DISTURBANCE. CONTACT THE ENGINEER TO APPROVE THE LIMITS IN THE FIELD PRIOR TO INITIATING CONSTRUCTION ACTIVITIES. 	100% GRA <u>MIX COM</u>
	2. CONTRACTOR SHALL FOLLOW THE STANDARDS AND SPECIFICATIONS FOR PROTECTING VEGETATION DURING CONSTRUCTION PUBLISHED IN THE 2016 BLUE BOOK, AS AMENDED.	20.0% VI 14.5% DI 14.0% BI 14.0% IN
	SEQUENCE OF CONSTRUCTION	10.0% FC 6.3% LL
	1. INSTALL STABILIZED CONSTRUCTION ENTRANCE WHERE SHOWN ON THE SITE PLAN.	6.3% BL 3.0% BL 2.0% SV
	2. STOCKPILE ALL PROJECT MATERIALS IN THE DESIGNATED STAGING AREA SHOWN ON THE PLANS. SOIL AND ROCK MATERIALS SHALL NOT BE PLACED WITHIN THE LIMITS OF THE FLOODPLAIN OR STREAM CHANNEL UNLESS THE MATERIAL IS BEING INCORPORATED INTO THE PROPOSED WORK IN THE SAME WORK DAY.	2.0% SC 2.0% SC 2.0% GC 1.0% W
	 INSTALL EROSION AND SEDIMENT (E&S) CONTROL MEASURES AS SHOWN ON THE SITE PLAN. THE SEQUENCE OF INSTALLATION AND REMOVAL OF E&S CONTROL MEASURES SHALL FOLLOW THE ORDER PRESENTED IN THIS SEQUENCE OF CONSTRUCTION UNLESS OTHERWISE APPROVED BY THE ENGINEER. 	0.6% W 0.5% LA 0.5% NI 0.5% PI
	 MINIMIZE CLEARING AND GRUBBING TO ONLY THOSE AREAS WHERE WORK IS PROPOSED ON THE SITE PLAN. ACCESS TO THE STREAM CHANNEL SHALL OCCUR WITHIN THE LIMITS OF PROPOSED WORK AREAS TO AVOID UNNECCESSARY DISTURBANCE. 	0.5% CC 0.4% BC 0.4% GI
	5. INSTALL COMPOST FILTER SOCK BETWEEN THE CONSTRUCTION ACCESS PATH AND THE STREAM CHANNEL.	0.4% W 0.3% AI
	6. EXCAVATE A TEMPORARY DIVERSION CHANNEL AT THE UPSTREAM END OF THE WORK SITE. STOCKPILE ALL EXCAVATED STREAMBED MATERIAL FOR USE ON-SITE. DIVERT ALL NORMAL STREAM FLOW THROUGH THE TEMPORARY CHANNEL FOR THE DURATION OF IN-STREAM WORK BETWEEN STA 3+00 AND STA 5+08.	0.3% SC 0.3% W 0.2% GI
	7. SALVAGE EXPOSED BOULDERS FROM THE CROSS VANE NEAR STA 5+00 FOR REUSE IN THE J-HOOK.	
	8. EXCAVATE AND CONSTRUCT THE J-HOOK NEAR STA 3+00.	
	9. STARTING AT STA 3+00, RE-GRADE THE STREAMBED TO STATION 5+08 AT THE GRADE AND DIMENSIONS SHOWN ON THE PROFILE AND DETAILS.	
	10. REMOVE THE TEMPORARY DIVERSION CHANNEL AT THE UPSTREAM END OF THE WORK SITE.	
	11. RE-GRADE THE STREAMBANK BETWEEN STA 7+90 AND 10+09. INSTALL LIVE STAKES AT THE BANKFULL CHANNEL ELEVATION AT THE OPTION OF THE OWNER.	
	12. EXCAVATE A TEMPORARY DIVERSION CHANNEL AT THE DOWNSTREAM END OF THE WORK SITE. STOCKPILE ALL EXCAVATED STREAMBED MATERIAL FOR USE ON-SITE. DIVERT ALL NORMAL STREAM FLOW THROUGH THE TEMPORARY CHANNEL FOR THE DURATION OF IN-STREAM WORK BETWEEN STA 11+21 AND STA 14+80.	
	13. RE-GRADE THE STREAMBANK BETWEEN STA 11+72 AND STA 13+78. GRADING MAY PROCEED WITH THE CONSTRUCTION OF STONE TOE PROTECTION SHOWN ON THE SITE PLAN.	
	14. STARTING AT STA 11+21, RE-GRADE THE STREAMBED TO STATION 14+80 AT THE GRADE AND DIMENSIONS SHOWN ON THE PROFILE AND DETAILS.	
	15. REMOVE THE TEMPORARY DIVERSION CHANNEL AT THE DOWNSTREAM END OF THE WORK SITE.	
	16. REMOVE ANY REMAINING STOCKPILED STREAMBED OR STREAMBANK MATERIALS FROM THE PROJECT SITE. DISPOSAL OF MATERIALS SHALL BE AT A PERMITTED SITE SELECTED BY THE CONTRACTOR. MATERIALS SHALL NOT BE DEPOSITED IN AREAS OF THE STREAM CHANNEL OR FLOODPLAIN AT THE WORK SITE.	
	17. REMOVE THE STABILIZED CONSTRUCTION ENTRANCE.	
	18. SEED AND MULCH ANY REMAINING DISTURBED AREAS WITH THE RESTORATION SEED MIX. REMOVE COMPOST FILTER SOCK AND ANY REMAINING E&S CONTROL MEASURES ONCE FINAL STABILIZATION IS ACHIEVED.	
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ATION SEED MIX

CROP AND RESTORATION SEED MIX SHOULD BE APPLIED SIMULTANEOUSLY AT A COMBINED RATE OF 50 . SOW SEED BETWEEN AUGUST 15 AND OCTOBER 1, OR AS OTHERWISE APPROVED BY THE ENGINEER.

CROP - 30 LB/ACRE RAIN RYE (SECALE CEREALE)

MPOSITION (ERNMX-154 OR APPROVED EQUAL) - 20 LB/ACRE

/IRGINIA WILDRYE (ELYMUS VIRGINICUS) DEERTONGUE (PANICUM CLANDESTINUM) BIG BLUESTEM (ANDROPOGON GERARDII) NDIANGRASS (SORGHASTRUM NUTANS) FOX SEDGE (CAREX VULPINOIDEA) URID SEDGE (CAREX LURIDA) BLUNT BROOM SEDGE (CAREX SCOPARIA) BLUE VERVAIN (VERBENA HASTATA) SWAMP MILKWEED (ASCLEPIAS INCARNATA) SOFT RUSH (JUNCUS EFFUSUS) GOLDEN ALEXANDERS (ZIZIA AUREA) WHITE VERVAIN (VERBENA URTICIFOLIA) WRINKLELEAF GOLDENROD (SOLIDAGO RUGOSA) ANCE LEAVED ASTER (ASTER LANCEOLATUS) NEW ENGLAND ASTER (ASTER NOVAE-ANGLIAE) PURPLESTEM ASTER (ASTER PUNICEUS) COMMON SNEEZEWEED (HELENIUM AUTUMNALE) BONESET (EUPATORIUM PERFOLIATUM) GRASSLEAF GOLDENROD (EUTHAMIA GRAMINIFOLIA) WILD BERGAMOT (MONARDA FISTULOSA) AMERICAN WATER HOREHOUND (LYCOPUS AMERICANUS) SQUARE STEMMED MONKEYFLOWER (MIMULUS RINGENS) NOOLGRASS (SCIRPUS CYPERINUS) GREAT BLUE LOBELIA (LOBELIA SIPHILITICA)

LEGEND

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- EXISTING MAJOR CONTOUR (5' INTERVAL)
- EXISTING MINOR CONTOUR (1' INTERVAL)
- LIMIT OF GRADING
- BANKFULL LIMITS
- ORDINARY HIGH WATER LINE
- FILTER SOCK
- EXISTING STREAM CENTERLINE
- EXISTING STREAM THALWEG
- ROCK TOE PROTECTION
- J-HOOK
- TEMPORARY DIVERSION CHANNEL
- TEMPORARY ACCESS ROUTE AND STAGING AREA
- STREAMBANK REGRADING



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STREAMBANK STABILIZATION PROFILE

HORIZONTAL SCALE: 1" = 40' VERTICAL SCALE: 1" = 10'





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