		PROJECT LOCATION:
		PROJECT DESCRIPTION:
		LENGTH OF PROJECT:
		AUSTIN DRIVE
VTRANS STANDARD SPEC	CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE FICATIONS FOR CONSTRUCTION DATED 2018, INCLUDING ALL AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS N THIS CONTRACT.	
SURVEYED BY :	VHB ALDRICH + ELLIOT, PC BUTTON PROFESSIONAL LAND SURVEYORS, PC CROSS CONSULTING ENGINEERS	
SURVEYED DATE :	AUGUST 2013, AUG. 2015, SEPTEMBER 2018	
DATUM VERTICAL	NAVD 88	
HORIZONTAL	NAD 83 (07)	

CITY OF BURLINGTON



PROPOSED IMPROVEMENT

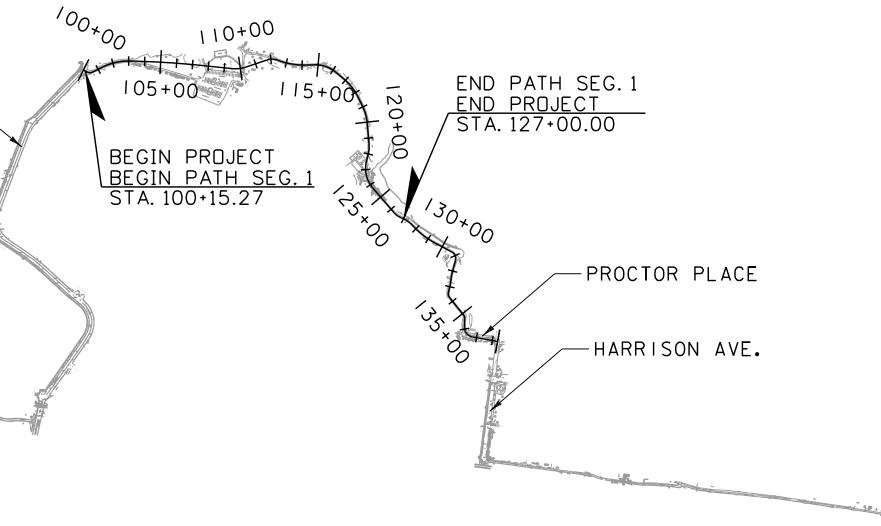
BURLINGTON BIKE PATH REHABILITATION PROJECT PHASE 3B (SOUTH)

CITY OF BURLINGTON COUNTY OF CHITTENDEN

LOCATED IN THE COUNTY OF CHITTENDEN, CITY OF BURLINGTON, THE PROJECT RUNS FROM AUSTIN DRIVE TO BLANCHARD BEACH.

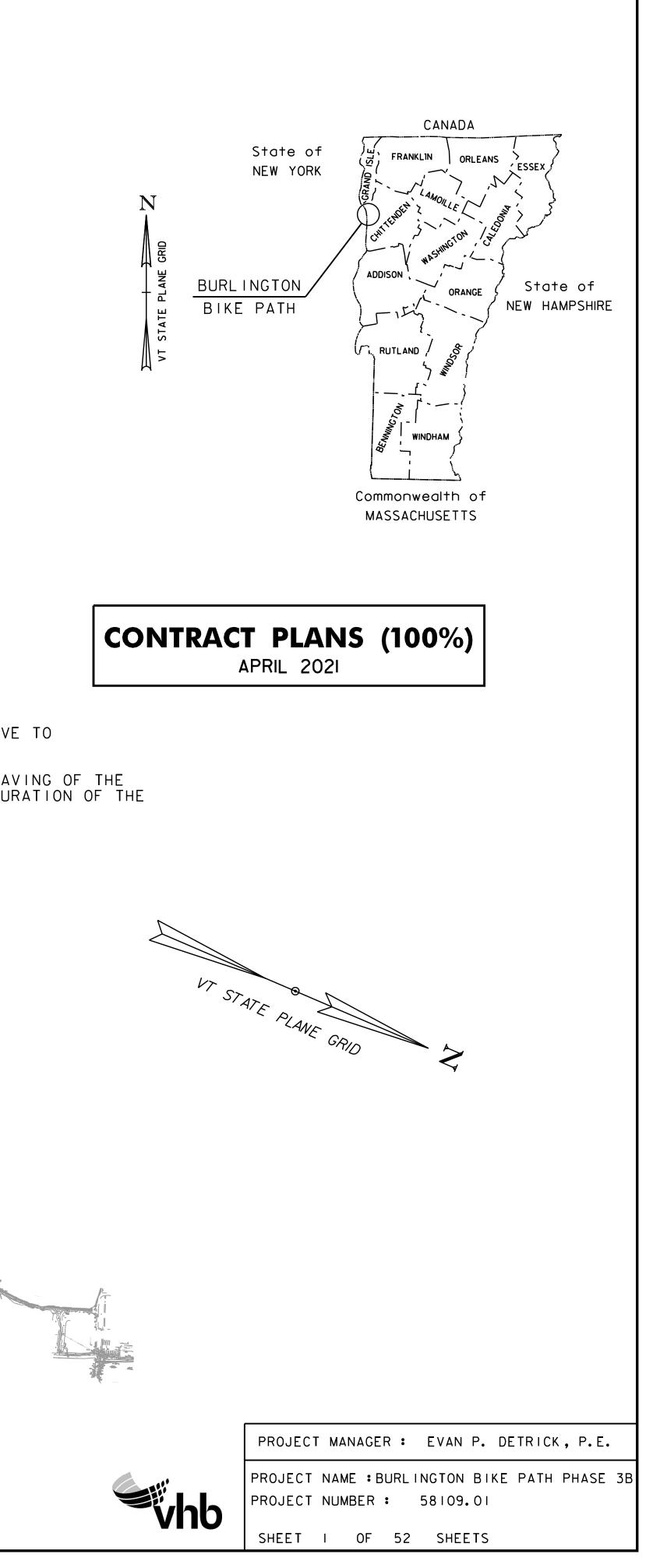
WORK TO BE PERFORMED INCLUDES REMOVAL OF THE EXISTING PATH PAVEMENT; THE WIDENING AND REPAVING OF THE PATH; INSTALLATION OF PAVEMENT MARKINGS, SIGNS, AND CONCRETE SIDEWALK RAMPS; THE RECONFIGURATION OF THE PATH AT THE FLYNN AVENUE INTERSECTION, AND OTHER INCIDENTAL ITEMS.

SEGMENT I:0.51 MILES (2684.73 FEET)TOTAL:0.51 MILES (2684.73 FEET)



 SCALE
 IN
 FEET

 600
 0
 600



<u>INDEX OF SHEETS</u>

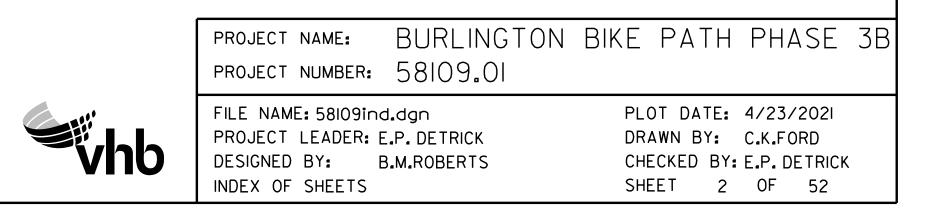
TITLE SHEET INDEX OF SHEETS CONVENTIONAL SYMBOLOGY LEGEND PROJECT NOTES TYPICAL SECTIONS DETAIL SHEETS TRACTOR ACCESS PLAN QUANTITY SUMMARY SHEET ALIGNMENT POINTS SHEET PLAN AND PROFILE SHEETS LANDSCAPE LAYOUT PLAN GRADING PLAN LANDSCAPE DETAILS PLANTING PLANS PLANTING DETAILS LIGHTING DETAILS LIGHTING DETAILS TRAFFIC SIGN SUMMARY SHEET SIGN DETAIL SHEET CROSS SECTION SHEETS EPSC NARRATIVE

ADDITIONAL SYMBOLS

	A-78
EXIST.STREET LIGHT -O- O	A-79
EXISTING SURVEY CONTROL POINTS \bigtriangleup	B-5
PROP.ORNAMENTAL STREET LIGHT 🛛 🗮 👾 🗮	C-3A
	E-10
FIRE CALL BOX	E-15
	E-121
PROPOSED TREE	E-193
PROPOSED TREE	E-195
WITH TREE PIT	T-I T-0
PROPOSED SHRUB	T-2 T-10
PROPOSED TREE PIT 😹 🗙	T-10 T-28
	T-30
PROPOSED BRICK PAVERS	T-45
EXIST.STORM DRAIN ====================================	
EXIST.SEWER s	
EXIST.WATER W	
EXIST.GAS G	
EXIST.UNDERGROUND	
PROPOSED DRAINAGE	
FIRE HYDRANT	
PROPOSED PULL BOX PB	
PROPOSED CONDUIT	
PROPOSED CONDUIT <u>===========</u> AND SLEEVE	
PROPOSED WATER LINE PW PW	
PROPOSED SEWER LINE PS PS	
PROPOSED ROOF DRAIN	
PROPOSED STORMWATER TREATMENT PLANTER	
PROPOSED BANNER POLE	
BORING LOCATION	
PROPOSED WAYFINDING SIGN	

<u>vaot standards</u>

4-7-2020	SHARED USE PATH TYPICAL
4-7-2020	RAIL TRAIL TYPICAL
6-01-1994	SLOPE GRADING, EMBANKMENTS, MUCK
4-7-2020	SIDEWALK RAMPS
4-7-2020	ROLLED EROSION CONTROL PRODUCT, TYPE I
4-7-2020	SILT FENCE
8-8-1995	STANDARD SIGN PLACEMENT - CONVENTIONAL ROAD
8-18-1995	PAVEMENT MARKING DETAILS
6-9-2008	SHARED USE PATH PAVEMENT MARKINGS AND SIGN DETAILS
4-25-2016	TRAFFIC CONTROL GENERAL NOTES
4-7-2020	TRAFFIC SIGN GENERAL NOTES
8-6-2012	CONVENTIONAL ROADS CONSTRUCTION APPROACH SIGNING
8-6-2012	CONSTRUCTION SIGN DETAILS
8-6-2012	CONSTRUCTION SIGN DETAILS
1-2-2013	SQUARE TUBE SIGN POST AND ANCHOR



	OGY LE	GEND NOTE	POINT	CODE	DESCRIPTION
		ON THIS SHEET IS INTENDED TO COVER	\$ \$	APL	BOUND APPARENT LOCATION
		VENTIONAL SYMBOLOGY. THE SYMBOLOGY IS	٠	BM	BENCHMARK
		TING & PROPOSED FEATURES WITH HEAVIER		BND	BOUND
	•	COMBINATION WITH PROJECT ANNOTATION, PROJECT PLAN SHEETS. THIS LEGEND		СВ	CATCH BASIN
		THE BASICS. SYMBOLOGY ON PLANS MAY	¢	СОМВ	COMBINATION POLE
		NOTATIONS AND NOTES SHOULD BE		DITHR	DROP INLET THROATED DNC
•		FY AS NEEDED.	¢	EL	ELECTRIC POWER POLE
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			\odot	GASFIL	GAS FILLER
			\odot	GP	GUIDE POST
			×	GSO	GAS SHUT OFF
			O	GUY	GUY POLE
			O	GUYW	GUY WIRE
			×	GV	GATE VALVE
			Ê	Н	TREE HARDWOOD
			\triangle	HCTRL	CONTROL HORIZONTAL
				HVCTRL	CONTROL HORIZ. & VERTICAL
			\diamond	HYD	HYDRANT
			۲	IP	IRON PIN
			۲	IPIPE	IRON PIPE
			¢	LI	LIGHT – STREET OR YARD
			0	MB	MAILBOX
			O	MH	MANHOLE (MH)
				MM	MILE MARKER
			Θ	РМ	PARKING METER
				РМК	PROJECT MARKER
			o	POST	POST STONE/WOOD
			5	RRSIG	RAILROAD SIGNAL
			÷	RRSL	RAILROAD SWITCH LEVER
				S	TREE SOFTWOOD
			=	SAT	SATELLITE DISH
			Ê	SHRUB	SHRUB
			रू ठ	SIGN	SIGN
			Ŗ	STUMP	STUMP
			-⊙-	TEL	TELEPHONE POLE
			o	TIE	TIE
			$\overline{O\cdotO}$	TSIGN	SIGN W/DOUBLE POST
			\checkmark	VCTRL	CONTROL VERTICAL
R.O.W.	ABBBE	VIATIONS (CODES) & SYMBOLS	o	WELL	WELL
<u>N. U. W.</u>	ADDRE	VIATIONS (CODES) & STMBOLS	M	WSO	WATER SHUT OFF
POINT	CODE	DESCRIPTION			
	СН	CHANNEL EASEMENT	THESE	ARE COMM	ON VAOT SURVEY POINT SYMBOLS
	CONST	CONSTRUCTION EASEMENT			TURES, ALSO USED FOR PROPOSED
	CUL	CULVERT EASEMENT			EAVIER LINEWEIGHT, IN COMBINATION
					NNOTATION.
	D&C	DISCONNECT & CONNECT			· · · · · · · · · · · · · · · · · · ·
	D&C DIT	DISCONNECT & CONNECT DITCH EASEMENT			
	DIT DR DRIVE	DITCH EASEMENT		SED GEO	METRY CODES
	DIT DR	DITCH EASEMENT DRAINAGE EASEMENT	PROPO		
	DIT DR DRIVE	DITCH EASEMENT DRAINAGE EASEMENT DRIVEWAY EASEMENT	PROPO Code	DESCR	IPTION
	DIT DR DRIVE EC	DITCH EASEMENT DRAINAGE EASEMENT DRIVEWAY EASEMENT EROSION CONTROL	PROPO CODE PC	DESCR POINT (IPTION DF CURVATURE
	DIT DR DRIVE EC HWY	DITCH EASEMENT DRAINAGE EASEMENT DRIVEWAY EASEMENT EROSION CONTROL HIGHWAY EASEMENT	PROPO CODE PC PI	DESCR POINT (POINT (IPTION DF CURVATURE DF INTERSECTION
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	DIT DR DRIVE EC HWY I&M LAND R&RES R&REP SR UE	DITCH EASEMENT DRAINAGE EASEMENT DRIVEWAY EASEMENT EROSION CONTROL HIGHWAY EASEMENT INSTALL & MAINTAIN EASEMENT LANDSCAPE EASEMENT REMOVE & RESET REMOVE & RESET REMOVE & REPLACE SLOPE RIGHT UTILITY EASEMENT	PROPO CODE PC PI CC PT PCC PRC POB POE	DESCR POINT (POINT (CENTER POINT (POINT (POINT (POINT (IPTION OF CURVATURE OF INTERSECTION OF CURVE OF TANGENCY OF COMPOUND CURVE OF REVERSE CURVE OF BEGINNING OF ENDING
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UTILITY SYMBOLOGY

UNDERGROUND UTILI	TIES
	UTILITY (GENERIC-UNKNOWN)
— UT — · · · — · · · — ·	TELEPHONE
— UE — · · — · · — ·	ELECTRIC
— UC — · · — · · — ·	CABLE (TV)
— UEC — ·· — · · — · · — ·	ELECTRIC+CABLE
— UET — ·· — · · — · · — ·	ELECTRIC+TELEPHONE
— UCT — · · — · · — ·	CABLE+TELEPHONE
— UECT — · · — · · — · · — ·	ELECTRIC+CABLE+TELEP.

- c · · · · · · GAS LINE - w - ·· - ·· - · WATER LINE
- s · · · · · · SANITARY SEWER (SEPTIC)

ABOVE GROUND UTILITIES (AERIAL)

	UTILITY (GENERIC-UNKNOWN)
— T — · · – · · – ·	TELEPHONE
— E — · · – · · – ·	ELECTRIC
— c — · · – · · – ·	CABLE (TV)
— EC — · · – · · – ·	ELECTRIC+CABLE
— ET — ·· — · · — ·	ELECTRIC+TELEPHONE
— AER E&T — · · — · · — · ·	ELECTRIC+TELEPHONE
— CT — ·· — · · — ·	CABLE+TELEPHONE
— ECT — ·· — · · — ·	ELECTRIC+CABLE+TELEP.
	UTILITY POLE GUY WIRE

PROJECT CONSTRUCTION SYMBOLOGY

PROJECT	DESIGN	&	LAYOU	Т	SYM	BOLOGY	
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			PLAN L	LAY	′0UT	MATCHLINE	

PROJECT CONSTRUCTION FEATURES

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TOP OF CUT SLOPE TOE OF FILL SLOPE STONE FILL ВОТТОМ ОГ DITCH € CULVERT PROPOSED STRUCTURE SUBSURFACE PROJECT DEMARCATION FENCE BARRIER FENCE TREE PROTECTION ZONE (TPZ) STRIPING LINE REMOVAL ~~~~~ Sheet Piles

CONVENTIONAL BOUNDARY SYMBOLOGY

BOUNDARY LINES
TOWN LINE
COUNTY LINE
STATE LINE
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4f 4f
HAZ ———— HAZ ———— HAZ ·

TOWN BOUNDARY LINE COUNTY BOUNDARY LINE STATE BOUNDARY LINE PROPOSED STATE R.O.W. (LIMITED ACCESS) PROPOSED STATE R.O.W. STATE ROW (LIMITED ACCESS) STATE ROW TOWN ROW PERMANENT EASEMENT LINE (P) TEMPORARY EASEMENT LINE (T) SURVEY LINE PROPERTY LINE (P/L)

€ SLOPE RIGHTS 6F PROPERTY BOUNDARY 4F PROPERTY BOUNDARY - HAZARDOUS WASTE



FPSC Ι ΔΥΟΠΤ Ε	PLAN SYMBOLOGY
EPSC MEASURES	
	FILTER CURTAIN
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<u>₀ ₀ X ₀ X ₀ X ₀ X</u> ₀	SILT FENCE WOVEN WIRE CHECK DAM
	DISTURBED AREAS
	REQUIRING RE-VEGETATION
	EROSION MATTING
SEE EPSC DETAIL	SHEETS FOR ADDITIONAL SYMBOLOGY
ENVIRONMENTAL	RESOURCES
·	WETLAND BOUNDARY
	RIPARIAN BUFFER ZONE
	WETLAND BUFFER ZONE SOIL TYPE BOUNDARY
	THREATENED & ENDANGERED SPECIES
	HAZARDOUS WASTE AREA AGRICULTURAL LAND
	FISH & WILDLIFE HABITAT
FLOOD PLAIN	
OH₩ ◆◆◆	ORDINARY HIGH WATER (OHW) STORM WATER
	USDA FOREST SERVICE LANDS
<u> </u>	WILDLIFE HABITAT SUIT/CONN
ARCHEOLOGICAL	_ & HISTORIC
	ARCHEOLOGICAL BOUNDARY
	HISTORIC DISTRICT BOUNDARY HISTORIC AREA
(H)	HISTORIC STRUCTURE
C	
	TOPOGRAPHIC SYMBOLOGY
EXISTING FEAT	ROAD EDGE PAVEMENT
	ROAD EDGE GRAVEL
	DITCH
	DITCH FOUNDATION
xxx	
000	
0000	-°° FENCE STEEL POST ~~~~~ GARDEN
<u> </u>	
	RAILROAD TRACKS
==========	=== CULVERT (EXISTING)
000000000000000000000000000000000000000	STONE WREE
	WOD LINE
PROJECT NAME: PROJECT NUMBER	BURLINGTON BIKE PATH PHASE 3E ≈ 58109.01
FILE NAME: 58109 PROJECT LEADER	
DESIGNED BY:	VTRANS CHECKED BY: E.P. DETRICK YMBOLOGY LEGEND SHEET SHEET 3 OF 52
CONVENTIONAL S	TWOOLOOT LEOLIND JHELT JHELT J VI JZ

PROJECT NOTES

GENERAL

- 1. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE STATE OF VERMONT AGENCY OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION, DATED 2018, AND ITS LATEST **REVISIONS.**
- 2. PER AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG), PATH CROSS SLOPES SHALL NOT EXCEED 2%.
- ALL SHARED USE PATH LONGITUDINAL RAMPS AT ROADWAY AND DRIVEWAY CROSSINGS SHALL NOT EXCEED 5%.

CONSTRUCTION

- 4. ALL TREE CLEARING AND TREE REMOVAL WITHIN THE SLOPE LIMITS SHOWN ON THE PLANS SHALL BE PAID FOR UNDER ITEM 201.10, "CLEARING AND GRUBBING, INCLUDING INDIVIDUAL TREES AND STUMPS". ADDITIONAL TREE CLEARING AND REMOVAL BEYOND THE SLOPE LIMITS WILL BE PAID UNDER ITEM 201.15, "REMOVING MEDIUM TREES", UNLESS OTHERWISE NOTED IN THESE PLANS. TREES TO BE REMOVED UNDER THIS CONTRACT SHALL BE FIELD VERIFIED WITH BURLINGTON PARKS, RECREATION & WATERFRONT PRIOR TO THE START OF CONSTRUCTION.
- ANY EXISTING SIGNS NOT REUSED SHALL REMAIN THE PROPERTY OF THE CITY OF BURLINGTON. 5. THESE SIGNS SHALL BE REMOVED BY THE CONTRACTOR AND STOCKPILED FOR REMOVAL BY THE CITY. STOCKPILE LOCATION TO BE DETERMINED BY THE RESIDENT ENGINEER.
- THE FOLLOWING IS A LIST OF CONTACTS THE CONTRACTOR SHALL NOTIFY AT LEAST SEVEN (7) FULL BUSINESS DAYS PRIOR TO EXCAVATING:
 - CITY OF BURLINGTON:
 - CINDI WIGHT, DIRECTOR OF PARKS, RECREATION & WATERFRONT;
 - (802) 865-7557 JON ADAMS KOLLITZ, BURLINGTON BIKE PATH REHABILITATION PROJECT MANAGER; (802) 865-7247
 - CHAPIN SPENCER, DIRECTOR OF PUBLIC WORKS;
 - (802) 863-9094 CALEB MANNA, ROW AND EXCAVATION INSPECTION, DPW
 - (802) 865-7562
 - BURLINGTON ELECTRIC DEPARTMENT:
 - BRIAN SWEENEY, DISTRIBUTION ENGINEER;
 - (802) 865-7324
- 7. CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SECURITY AND JOB SAFETY. CONSTRUCTION ACTIVITIES SHALL BE IN ACCORDANCE WITH OSHA STANDARDS, STATE AND LOCAL REQUIREMENTS.
- AREAS OUTSIDE THE LIMITS OF PROPOSED WORK DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY THE CONTRACTOR TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.
- IN THE EVENT GROSS CONTAMINATED SOIL, GROUNDWATER, AND OTHER MEDIA ARE ENCOUNTERED DURING EXCAVATION AND CONSTRUCTION ACTIVITIES BASED ON VISUAL, OLFACTORY, OR OTHER EVIDENCE, THE CONTRACTOR SHALL STOP WORK IN THE VICINITY OF THE SUSPECT MATERIAL TO AVOID FURTHER SPREADING OF THE MATERIAL, AND SHALL NOTIFY THE RESIDENT ENGINEER IMMEDIATELY SO THAT THE APPROPRIATE TESTING AND SUBSEQUENT ACTION CAN BE TAKEN.
- 10. THERE ARE EXISTING STORM DRAIN LINES LOCATED BENEATH THE PATH. COMPACTION SHALL NOT BE COMPLETED USING VIBRATORY ROLLING METHODS. DAMAGE RESULTING FROM CONTRACTOR CONSTRUCTION LOADS SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO OWNER.
- 11. CONTRACTOR SHALL CONTROL STORMWATER RUNOFF DURING CONSTRUCTION AS PER THE EPSC NARRATIVE AND DETAILS PROVIDED IN THESE PLANS TO PREVENT ADVERSE IMPACTS TO OFF SITE AREAS, AND SHALL BE RESPONSIBLE TO REPAIR RESULTING DAMAGES, IF ANY, AT NO COST TO OWNER.
- 12. ALL CONTRACTORS WORKING IN DIRECT CONTACT WITH SOILS FOR EXCAVATING, REGRADING, AND OTHER PROJECT TASKS SHALL BE OSHA-HAZWOPER CERTIFIED.
- 13. THE EXISTING WOODEN BIKE PATH SIGNS LOCATED WITHIN THE PROJECT ARE TO BE REMOVED BY THE CONTRACTOR AND STOCKPILED AT THE CITY OF BURLINGTON PARKS, RECREATION & WATERFRONT. PAYMENT WILL NOT BE MADE DIRECTLY, BUT SHALL BE CONSIDERED INCIDENTAL TO ITEM 201.10, "CLEARING AND GRUBBING, INCLUDING INDIVIDUAL TREES AND STUMPS". THE EXISTING ALUMINUM/STEEL SIGNS TO BE REMOVED WILL BE PAID UNDER ITEM 675.50, "REMOVING SIGNS".
- 14. THE CITY RESERVES FIRST RIGHT OF REFUSAL ON ANY ITEMS SALVAGED AS PART OF THE PROJECT.
- 15. ORNAMENTAL BOULDERS ENCOUNTERED ON SITE SHALL NOT BE IMPACTED DURING CONSTRUCTION. DAMAGE TO ORNAMENTAL BOULDERS RESULTING FROM CONSTRUCTION OPERATIONS SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO OWNER.
- 16. ALL JAPANESE KNOT WEED ENCOUNTERED DURING CONSTRUCTION SHALL BE REMOVED USING A MULTI-PRONGED APPRPOACH. THE CONTRACTOR SHALL APPLY HERBICIDES SUCH AS ROUNDUP. ADDITIONALLY, THE CONTRACTOR SHALL EXCAVATE OUT THE ROOT SYSTEM AND DIG UP AS MANY RHIZOMES AS POSSIBLE. TO PREVENT SPREADING OF JAPANESE KNOT WEED UPON REMOVAL, THE CONTRACTOR SHALL DISPOSE OF THE SOIL AND PLANT WASTE IN A CONTROLLED MANNER. REMOVAL OF JAPANESE KNOT WEED SHALL BE INCLUDED IN THE PAY ITEM 201.10, "CLEARING AND GRUBBING, INCLUDING INDIVIDUAL TREES AND STUMPS"

17. CONTRACTOR SHALL OBTAIN AN EPSC PERMIT THROUGH THE CITY OF BURLINGTON'S WATER RESOURCES DIVISION. TO OBTAIN A PERMIT, THE CONTRACTOR MUST COMPLETE AND SUBMIT THE CITY OF BURLINGTON EPSC PERMIT APPLICATION TO THE WATER RESOURCES DEPARTMENT USING THE CONTACT INFORMATION LISTED BELOW. ADDITIONAL EPSC MEASURES AS REQUIRED BY CITY PERMIT AND/OR THE ENGINEER THAT ARE NOT ITEMS IN THE CONTRACT WILL NOT BE PAID FOR DIRECTLY BUT WILL BE CONSIDERED INCIDENTAL TO THE ALL OTHER CONTRACT ITEMS.

> CITY OF BURLINGTON - DEPARTMENT OF WATER RESOURCES: JAMES SHERRARD, STORMWATER PROGRAM MANAGER: (802) 863-4501 JSHERRARD@BURLINGTONVT.GOV

- 18. ALL EXCAVATION, PAVING (REMOVAL AND INSTALLATION), AND CONSTRUCTION OPERATIONS TO BE PERFORMED SHALL BE COMPLETED WITH EXTREME CARE TO NOT DAMAGE THE EXISTING TREES AS OUTLINED IN ITEM 900.645, "SPECIAL PROVISION (ROOT PRUNING AND TREE PROTECTION)". THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING AND BECOME FAMILIAR WITH EXISTING CLEARANCES TO TREE CANOPIES AND BID THE PROJECT WITH THE UNDERSTANDING THAT ALTERNATIVE EQUIPMENT MAY BE REQUIRED FOR CONSTRUCTION OPERATIONS TO ENSURE NO DAMAGE TO TREES WILL OCCUR. ALL COSTS SHALL BE INCLUDED UNDER APPROPRIATE PAVEMENT, EXCAVATION, AND ROOT PRUNING AND TREE PROTECTION PAY ITEMS FOR PROTECTION OF EXISTING TREES. IF DAMAGE DOES OCCUR TO ANY OF THE EXISTING TREES, ALL COSTS FOR REPLACEMENT TO THE CITY'S SATISFACTION SHALL BE AT THE CONTRACTOR'S EXPENSE.
- 19. ALL RELOCATED BOULDERS ON PROJECT SHALL BE TAKEN FROM OAKLEDGE PARK AND CHOSEN BY THE CITY OF BURLINGTON PARKS, RECREATION & WATERFRONT.
- 20. CONTRACTOR SHALL REUSE TOPSOIL THAT IS EXCAVATED IN LOCATIONS WHERE THE PATH IS TO BE CONSTRUCTED OVER VIRGIN EARTH TO FILL IN AREAS WHERE THE EXISTING PATH IS TO BE REMOVED.
- 21. THE UNIVERSALLY ACCESSIBLE PLAYGROUND PROJECT IS TO BE COMPLETED UNDER A SEPARATE CONTRACT. THE PROJECT LIMITS ARE SHOWN ON THE PLANS FOR CONSTRUCTION SEQUENCING AND COORDINATION PURPOSES.
- 22. THE REMOVAL OF EXISTING SIDEWALK AT FLYNN AVENUNE AND AUSTIN DRIVE AND THE REMOVAL OF THE EXISTING RETAINING WALL AT FLYNN AVENUE SHALL BE PAID FOR UNDER ITEM 203.15. "COMMON EXCAVATION".

UTILITY

- 23. THE LOCATIONS, SIZES, AND TYPES OF EXISTING UTILITIES ARE SHOWN AS AN APPROXIMATE REPRESENTATION ONLY. THE OWNER OR DESIGN ENGINEER HAVE NOT INDEPENDENTLY VERIFIED THIS INFORMATION AS SHOWN ON THE PLANS. THE UTILITY INFORMATION SHOWN DOES NOT GUARANTEE THE ACTUAL EXISTENCE, SERVICEABILITY, OR OTHER DATA CONCERNING THE UTILITIES, NOR DOES IT GUARANTEE AGAINST THE POSSIBILITY THAT ADDITIONAL UTILITIES MAY BE PRESENT THAT ARE NOT SHOWN ON THE PLANS. PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL VERIFY AND DETERMINE THE EXACT LOCATIONS, SIZES, AND ELEVATIONS OF THE POINTS OF CONNECTIONS TO EXISTING UTILITIES AND. SHALL CONFIRM THAT THERE ARE NO INTERFERENCES WITH EXISTING UTILITIES AND THE PROPOSED WORK, INCLUDING WORK WITHIN THE PUBLIC RIGHTS OF WAY.
- 24. IF ANY SURFACE OR SUBSURFACE UTILITIES ARE DAMAGED BY THE CONTRACTOR. THE CONTRACTOR SHALL CONTACT THE UTILITY OWNER AND THE UTILITY SHALL BE RESTORED TO A CONDITION AT LEAST EQUAL TO THAT IN WHICH THEY WERE FOUND IMMEDIATELY. ALL COSTS ASSOCIATED WITH THE RESTORATION OF DAMAGED UTILITIES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- 25. WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, OR EXISTING CONDITIONS DIFFER FROM THOSE SHOWN SUCH THAT THE WORK CANNOT BE COMPLETED AS INTENDED, THE LOCATION, ELEVATION, AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED AND THE INFORMATION FURNISHED IN WRITING TO THE RESIDENT ENGINEER FOR THE RESOLUTION OF THE CONFLICT.
- 26. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL BURIED AND AERIAL UTILITIES AND POLES PRIOR TO STARTING WORK. THE CONTRACTOR SHALL COORDINATE WITH ALL UTILITY OWNERS TO CONFIRM ACTUAL LOCATIONS PRIOR TO CONSTRUCTION.

DIG-SAFE (1-888-344-7233)

- 27. EXISTING RIM ELEVATIONS FOR DRAIN AND SEWER MANHOLES. WATER VALVE COVERS, GAS GATES. ELECTRIC AND TELEPHONE PULL BOXES, AND MANHOLES, AND OTHER SUCH ITEMS WITHIN THE LIMITS OF THE PROPOSED WORK, ARE APPROXIMATE AND SHALL BE SET/RESET AS FOLLOWS:
 - A. PAVEMENTS AND CONCRETE SURFACES: FLUSH
 - B. ALL SURFACES ALONG ACCESSIBLE ROUTES: FLUSH
 - C. LANDSCAPE, TOPSOIL AND SEED, AND OTHER EARTH SURFACE AREAS: ONE INCH ABOVE SURROUNDING AREA AND TAPER EARTH TO THE RIM ELEVATION
- 28. THE USE OF BRICK AND MORTAR TO ADJUST THE ELEVATION OF DRAINAGE OR SANITARY STRUCTURES IS PROHIBITED. ALL ELEVATION ADJUSTMENTS SHALL BE MADE USING EITHER GRADE RINGS OR A SYNTHETIC RISER.
- 29. ALL CONNECTIONS BETWEEN PRECAST DRAINAGE STRUCTURES AND NEW DRAINAGE PIPES SHALL BE A BOOTED CONNECTION.
- 30. CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING AND ADJUSTING ALL CURB STOPS, WATER VALVES, MANHOLES. & DRAINAGE STRUCTURES WITHIN THE PROJECT LIMITS TO THE FINAL GRADE ELEVATION. PAYMENT FOR ADJUSTMENTS SHALL BE PAID FOR UNDER THE APPROPRIATE CONTRACT PAY ITEMS.

BID ALTERNATIVE

- SURFACES AND PAVEMENTS."



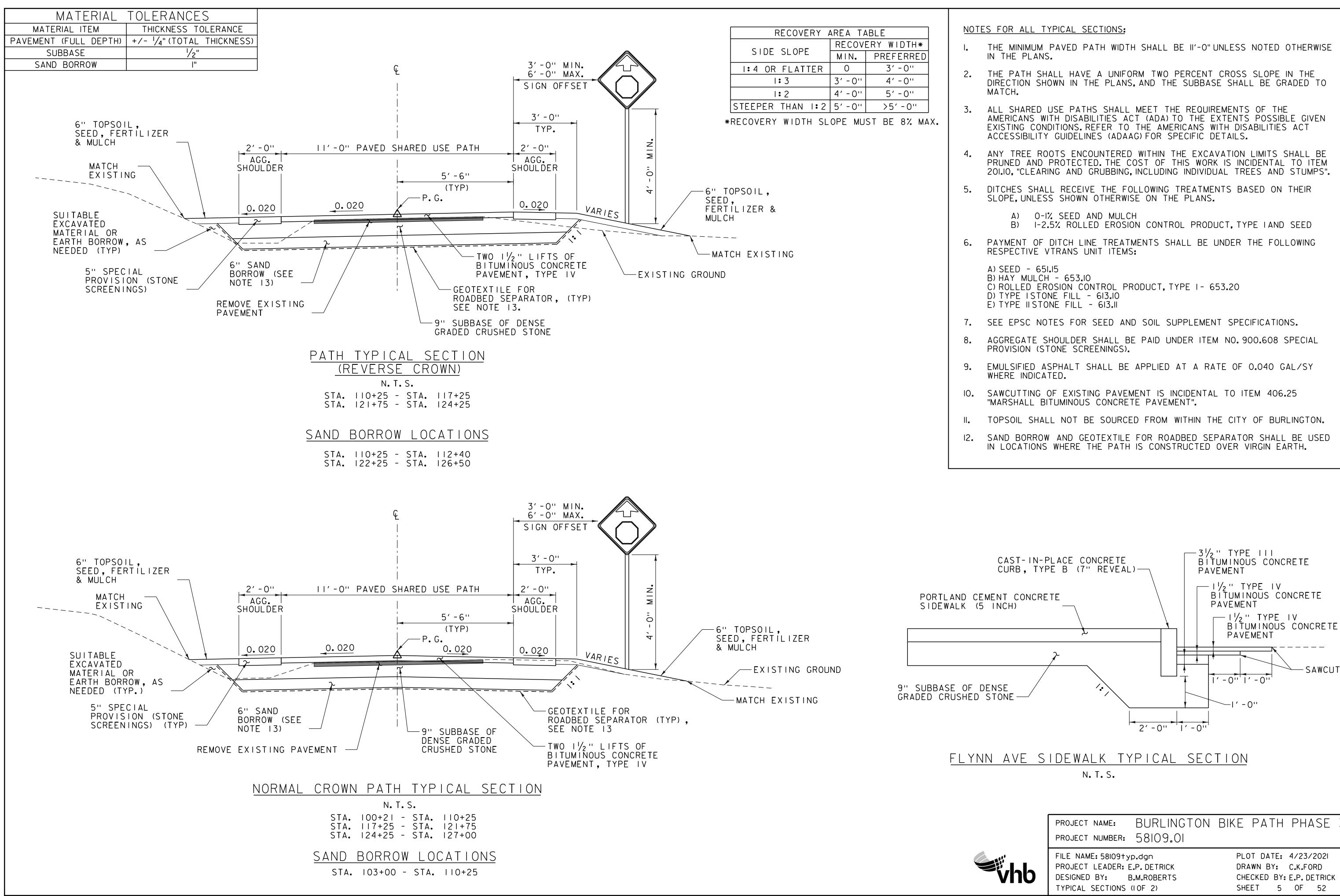
31. THE BID ALTERNATIVE SHALL CONSIST OF RECONSTRUCTING THE TWO DIAGONAL SIDE PATHS BETWEEN THE BIKE PATH AND THE UPPER PAVILION AT OAKLEDGE PARK.

32. THE EXISTING PAVEMENT ON THE SIDE PATHS FROM THE BIKE PATH TO THE EXISTING APRONS AT THE PAVILION SHALL BE REMOVED. PAYMENT SHALL BE MADE UNDER ITEM 203.28 "EXCAVATION OF

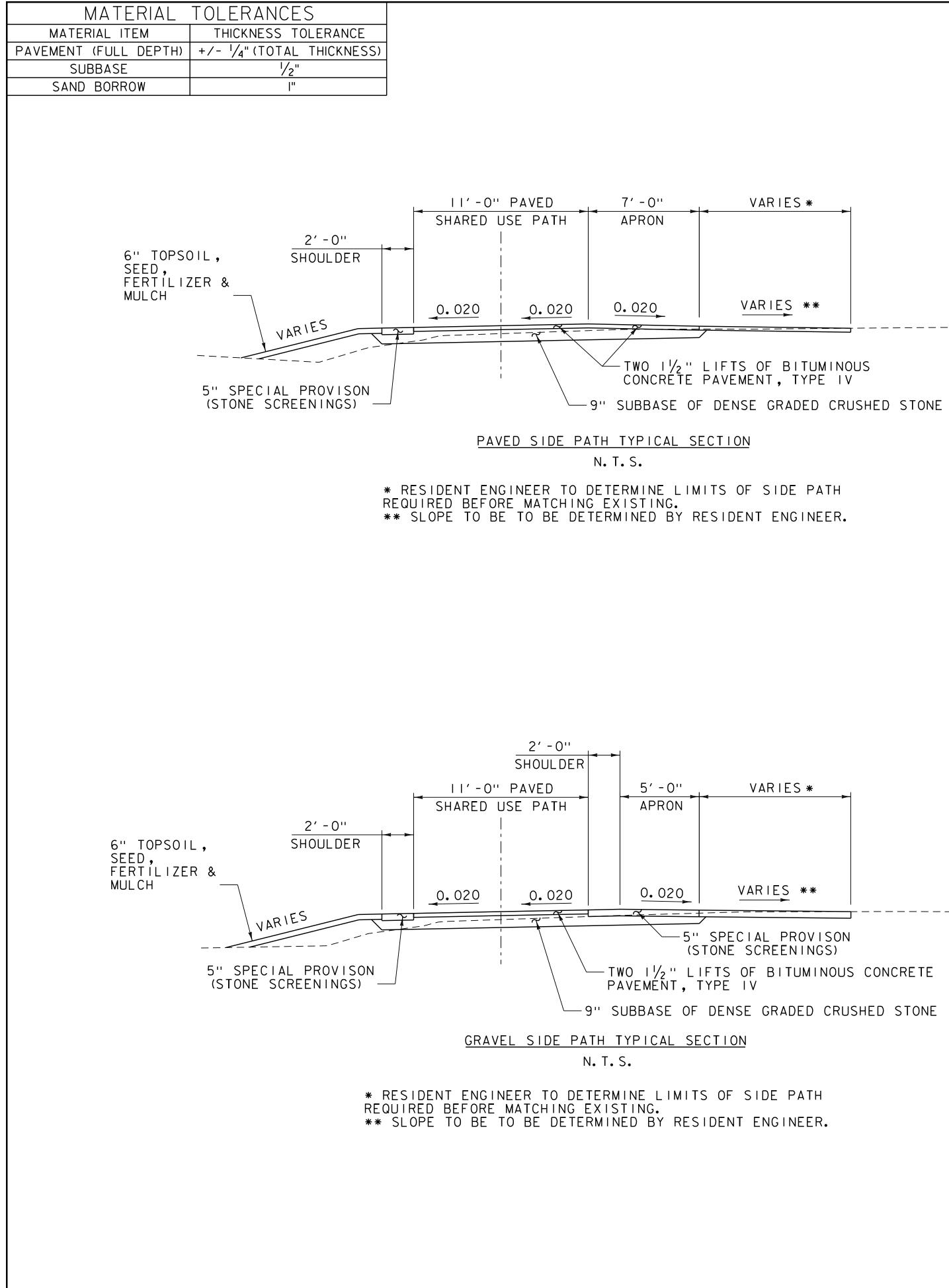
33. THE EXISTING SUBBASE SHALL BE RESHAPED AND ADDITIONAL SUBBASE OF DENSE GRADED CRUSHED STONE SHALL BE USED TO ACHIEVE A MINIMUM DEPTH OF 9" OF SUBBASE. ADDITIONAL SUBBASE SHALL BE PAID FOR UNDER ITEM 301.35 "SUBBASE OF DENSE GRADED CRUSHED STONE".

34. THE TWO PATHS SHALL BE REPAVED TO MATCH THE EXISTING PATH WIDTHS WITH TWO 1.5" LIFTS OF BITUMINOUS CONCRETE PAVEMENT, TYPE IV. PAYMENT SHALL BE MADE UNDER ITEM 406.25 "MARSHALL BITUMINOUS CONCRETE PAVEMENT".

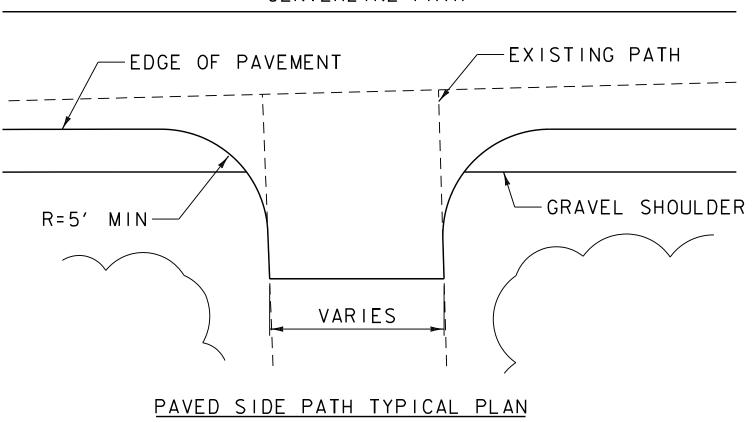
	PROJECT NAME:	BURLINGTON	BIKE	ΡΑΤΗ	PHASE	3B
	PROJECT NUMBER:	58109.01				
	FILE NAME: 58109no	•			4/23/2021	
)	PROJECT LEADER: E DESIGNED BY: E			WN BY: Cked by:	C.K.FORD E.P. DETRICK	
	PROJECT NOTES		SHE	ET 4	OF 52	

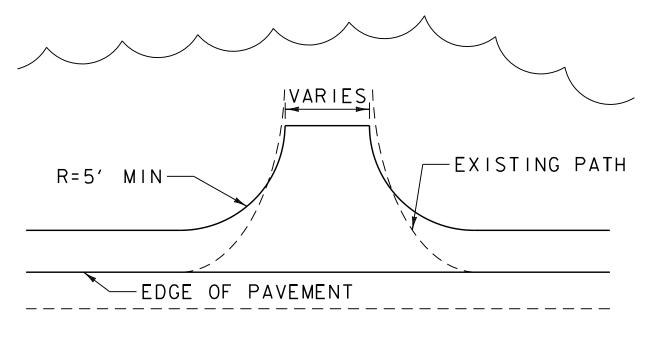


BURLINGTON BIKE PATH PHASE 3B PLOT DATE: 4/23/2021 DRAWN BY: C.K.FORD CHECKED BY: E.P. DETRICK SHEET 5 OF 52







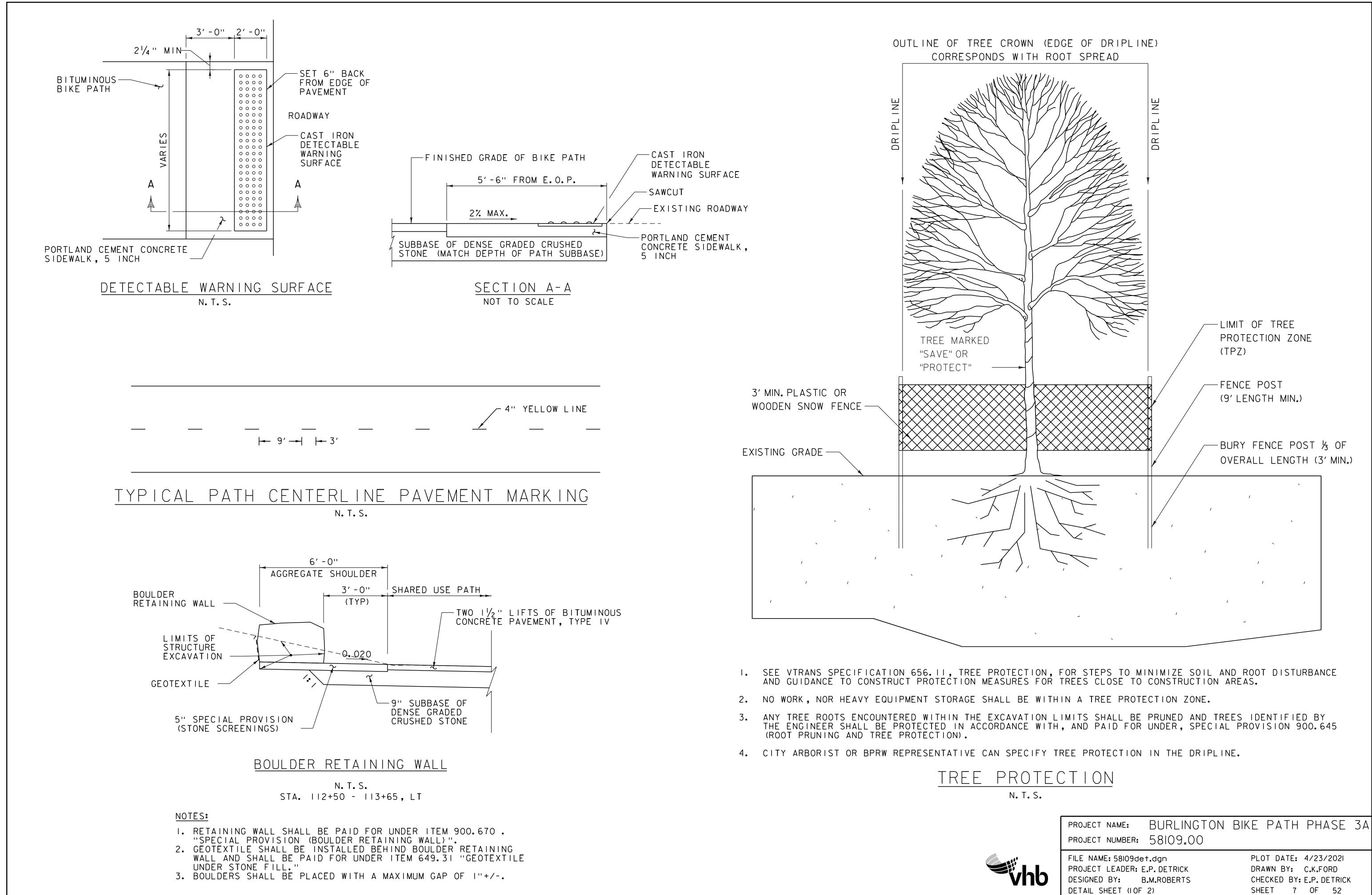


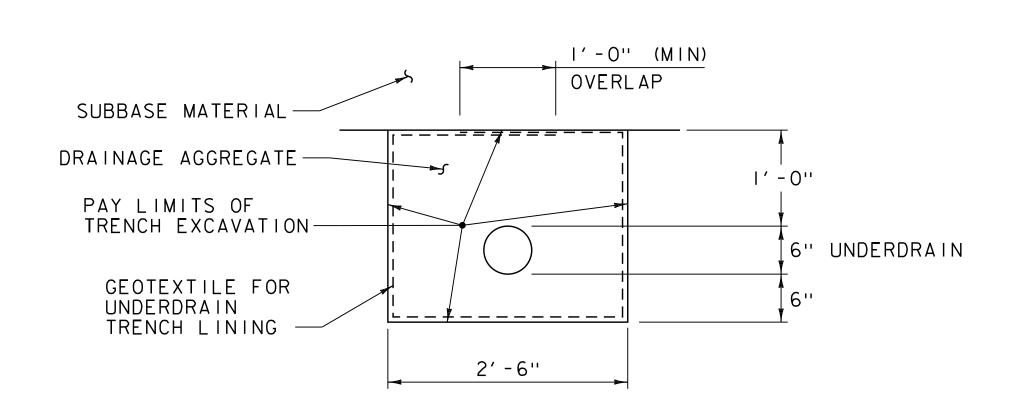
CENTERLINE PATH

<u>GRAVEL SIDE PATH TYPICAL PLAN</u>



PROJECT NAME:BURLINGTON BIKE PATH PHASE 3BPROJECT NUMBER:58109.01FILE NAME:58109typ.dgnPROJECT LEADER:PLOT DATE:4/23/2021DESIGNED BY:B.M.ROBERTSTYPICAL SECTIONS (2 OF 2)SHEET 6 OF 52							
FILE NAME: 58I09+yp.dgnPLOT DATE: 4/23/2021PROJECT LEADER: E.P. DETRICKDRAWN BY: C.K.FORDDESIGNED BY:B.M.ROBERTSCHECKED BY: E.P. DETRICK		PROJECT NAME:	BURLINGTON	BIKE	PATH	PHASE	3B
PROJECT LEADER: E.P. DETRICKDRAWN BY: C.K.FORDDESIGNED BY:B.M.ROBERTSCHECKED BY: E.P. DETRICK		PROJECT NUMBER:	58109.01				
	/hb	PROJECT LEADER: E	- DETRICK M.ROBERTS	DRA CHE	WN BY: CKED BY:	C.K.FORD E.P. DETRICK	





UNDERDRAIN DETAIL N. T. S.

NOTE:

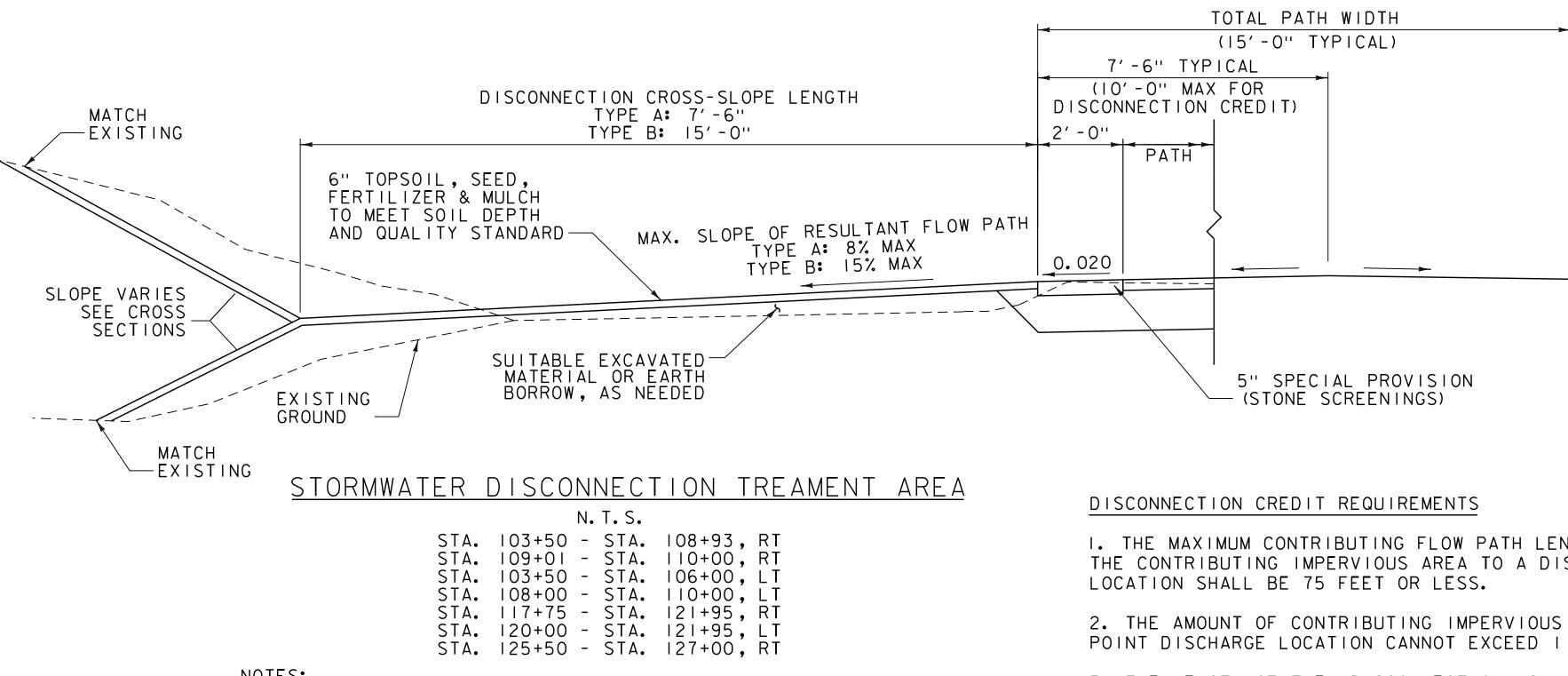
PAYMENT FOR GEOTEXTILE FOR UNDERDRAIN TRENCH LINING AND DRAINAGE AGGREGATE IS INCIDENTAL TO ITEM 605.10 "UNDERDRAIN PIPE, 6 INCHES".

SOIL DEPTH AND QUALITY STANDARD

THESE REQUIREMENTS APPLY TO ALL DISTURBED AREAS WITHIN THE LIMITS OF THE SITE WHICH ARE NOT COVERED BY AN IMPERVIOUS SURFACE, INCORPORATED INTO A STRUCTURAL STORMWATER TREATMENT PRACTICE, OR ENGINEERED AS STRUCTURAL FILL ONCE DEVELOPMENT IS COMPLETE. FOR THIS PROJECT THESE AREAS INCLUDE THE DISCONNECTION AREAS DISTURBED DURING PATH CONSTRUCTION. A DENSE AND VIGOROUS VEGETATIVE COVER SHALL BE ESTABLISHED OVER TURF AREAS. ANY AREAS NOT DESCRIBED ABOVE WHICH ARE DISTURBED OR COMPACTED DURING CONSTRUCTION SHALL ALSO BE SUBJECT TO THESE REQUIREMENTS.

ALTERNATIVELY, TO LEAVING EXISTING TOPSOIL IN PLACE WITHOUT DISTURBING OR COMPACTING IT. THERE ARE THREE METHODS THAT MAY BE USED TO SATISFY THESE REQUIREMENTS.

- I. AMEND EXISTING TOPSOIL IN PLACE
 - AMOUNT OF AMENDMENT IS ADDED.
 - SOIL AT 4% ORGANIC CONTENT.
- 2. REMOVE AND STOCKPILE EXISTING TOPSOIL DURING GRADING A. TOPSOIL SHOULD BE STOCKPILED ON SITE IN A CONTROLLED AREA AT LEAST 50 FEET FROM SURFACE WATERS, WETLANDS, FLOODPLAINS, OR OTHER CRITICAL RESOURCE AREAS.
 - B. SCARIFY OR TILL SUBGRADE TO A DEPTH OF 4 INCHES. EXCEPT FOR WITHIN THE DRIP LINE OF EXISTING TREES, THE ENTIRE SURFACE SHALL BE DISTURBED BY SCARIFICATION.
 - C. STOCKPILED TOPSOIL SHALL ALSO BE AMENDED, IF NEEDED, TO MEET THE ORGANIC CONTENT REQUIREMENTS IDENTIFIED ABOVE. D. REPLACE STOCKPILED TOPSOIL PRIOR TO PLANTING AND RAKE TO LEVEL, REMOVING
 - ANY SURFACE ROCKS LARGER THAN 2 INCHES IN DIAMETER. E. WATER OR ROLL SOILS IN TURF AREAS TO 85% OF MAXIMUM DRY DENSITY.



NOTES:

I. WHEN GRADING FOR DISCONNECTION AREAS, THE CONTRACTOR SHALL NOT DISTURB THE GROUND WITHIN 4' OF THE TRUNK BASE FOR ALL TREES WITH A DIAMETER OF 6" OR GREATER AND INTEND TO REMAIN THROUGH CONSTRUCTION.

A. SCARIFY OR TILL SUBSOILS TO 4 INCHES OF DEPTH OR TO THE DEPTH NEEDED TO ACHIEVE A TOTAL DEPTH OF 8 INCHES OF UNCOMPACTED SOIL AFTER A CALCULATED

B. AMEND THE SOIL TO MEET THE ORGANIC CONTENT REQUIREMENTS. ORGANIC MATERIAL MAY BE PLACED AT A PRE-APPROVED RATE OF I INCH WITH AN ORGANIC MATTER CONTENT OF 40-65% AND ROTOTILLED INTO 3 INCHES OF SOIL OR AT A CALCULATED RATE ROTOTILLED INTO A DEPTH OF SOIL NEEDED TO ACHIEVE 4 INCHES OF SETTLED

- 3. IMPORT TOPSOIL MIX OF SUFFICIENT ORGANIC CONTENT AND DEPTH A. SCARIFY OR TILL SUBGRADE TO A DEPTH OF 4 INCHES. EXCEPT FOR WITHIN THE DRIP LINE OF EXISTING TREES, THE ENTIRE SURFACE SHALL
 - BE DISTURBED BY SCARIFICATION. B. PLACE 4 INCHES OF IMPORTED TOPSOIL MIX THAT CONTAINS 4% ORGANIC MATTER. SOILS USED IN THE MIX SHALL BE SAND OR SANDY LOAM AS DEFINED BY THE USDA.
 - C. RAKE TO LEVEL, REMOVING ANY SURFACE ROCKS GREATER THAN 2 INCHES IN DIAMETER.
 - D. WATER OR ROLL SOIL IN TURF AREAS TO 85% OF MAXIMUM DRY DENSITY.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING AND EXECUTING A PLAN FOR VERIFYING THAT THESE AREAS HAVE MET THIS STANDARD. THIS PLAN SHOULD INCLUDE A MINIMUM OF 9 TEST HOLES PER ACRE OF AREA SUBJECT TO THIS STANDARD. THESE TEST HOLES SHALL BE EXCAVATED TO 8 INCHES USING ONLY A SHOVEL DRIVEN SOLELY BY THE WEIGHT OF THE INSPECTOR AND SHALL BE A MINIMUM OF 50 FEET APART.



I. THE MAXIMUM CONTRIBUTING FLOW PATH LENGTH ACROSS THE CONTRIBUTING IMPERVIOUS AREA TO A DISCHARGE

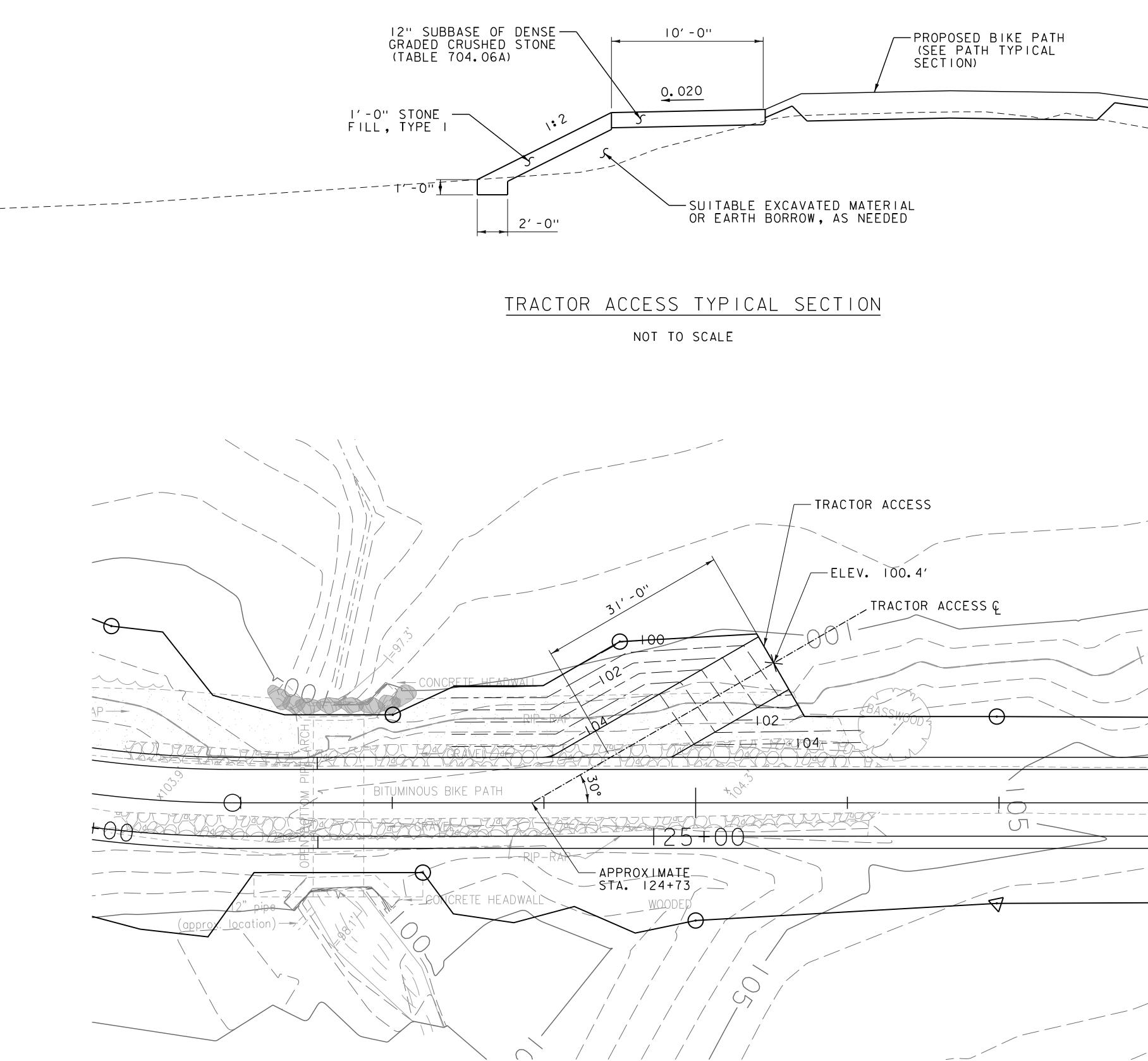
2. THE AMOUNT OF CONTRIBUTING IMPERVIOUS AREA TO ANY POINT DISCHARGE LOCATION CANNOT EXCEED 1,000 SF.

3. THE LENGTH OF THE "DISCONNECTION" SHALL BE EQUAL TO OR GREATER THAN THE CONTRIBUTING IMPERVIOUS FLOW PATH LENGTH FOR SLOPES 8% OR LESS, AND TWICE THE IMPERVIOUS FLOW PATH LENGTH FOR SLOPES 8% - 15%.

4. RUNOFF CANNOT COME FROM A DESIGNATED HOTSPOT LAND USE.

	PROJECT NAME: PROJECT NUMBER:	BURLINGTON	BIKE	PATH	PHASE	3A
vhb	FILE NAME: 58109de PROJECT LEADER: E	.P. DETRICK M.ROBERTS	DRA	AWN BY: ECKED BY:	4/23/202I B.M. ROBERT E.P. DETRICK OF 52	







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	PROJECT NAM	e: BURLI ber: 58109		ΒΙΚΕ ΡΑΤΗ	PHASE	3B
	FILE NAME: 58	109tractor_ac	cess.dgn	PLOT DATE:		
vhb	DESIGNED BY:	DER: E.P. DETRIC C.K. FORD	K		E.P. DETRICK	
	TRACTOR ACC	ESS PLAN		SHEET 9	OF 52	

SUMMARY OF	ESTIMATED QUA	NTITIES				TOTALS		DESCRIPTIONS	
	FLYNN AVE PAUSE PLACE	BIKE/TRANSP ORTATION PATH	AUSTIN DRIVE GATEWAY	OAKLEDGE PARK PARKING LOT	BID ALTERNATE	GRAND TOTAL FINAL	UNIT	ITEMS	
		1				1	LS	CLEARING AND GRUBBING, INCLUDING INDIVIDUAL TREES AND STUMPS	201.10
		9				9	EACH	REMOVING MEDIUM TREES	201.15
	310	1550	50	40		1950	CY	COMMON EXCAVATION	203.15
		250			10	260	CY	EXCAVATION OF SURFACES AND PAVEMENTS	203.28
		10				10	CY	EARTH BORROW	203.30
	95	410	15	15		535	CY	SAND BORROW	203.31
	35	40				75	CY	TRENCH EXCAVATION OF EARTH	204.20
	30					30	CY	STRUCTURE EXCAVATION	204.25
	30	15				45	CY	GRANULAR BACKFILL FOR STRUCTURES	204.30
	30					30	SY	COARSE-MILLING, BITUMINOUS PAVEMENT	210.10
	70					70	CY	SUBBASE OF DENSE GRADED CRUSHED STONE (PERMEABLE SUBBASE)	301.35
	180	1150	25	20	20	1395	CY	SUBBASE OF DENSE GRADED CRUSHED STONE	301.35
	1	14			1	16	СМТ	EMULSIFIED ASPHALT	404.65
	20	560			15	595	TON	MARSHALL BITUMINOUS CONCRETE PAVEMENT	406.25
	800					800	LB	REINFORCING STEEL, LEVEL I	507.11
	15	5				20	СҮ	CONCRETE, CLASS B	541.25
		45				45	LF	12" CPEP(SL)	601.2605
		2				2	EACH	12" CPEPES	601.7005
		25				25	LF	RE-LAYING PIPE CULVERTS (12" CPEP(SL))	601.99
	162					162	LF	UNDERDRAIN PIPE, 6 INCHES	605.10
		180				180	MGAL		609.10
	195		25			220	LF	CAST-IN-PLACE CONCRETE CURB, TYPE B	616.28
	310		20	75		405	SY	PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH	618.10
	44		28	8		80	SF	DETECTABLE WARNING SURFACE	618.30
		1				1	LS	MOBILIZATION/DEMOBILIZATION	635.11
		1				1	LS	TRAFFIC CONTROL	641.10
	230			115		345	LF	4 INCH WHITE LINE, WATERBORNE PAINT	646.201
		700				700	LF	4 INCH YELLOW LINE, WATERBORNE PAINT	646.2111
						1	EACH		646.301
	295	2860				3155	SY	GEOTEXTILE FOR ROADBED SEPARATOR	649.11
		620				620	LB	SEED	651.15
		1770				1770		FERTILIZER	651.18
							LB		
		8				8	TON	AGRICULTURAL LIMESTONE	651.20
		1500				1500	CY		651.35
		8				8	TON		653.10
		390				390	SY	ROLLED EROSION CONTROL PRODUCT, TYPE I	653.20
		50				50	LF		653.475
		1060				1060	LF		653.476
		1200				1200	LF	BARRIER FENCE	653.50
		3810				3810	LF	PROJECT DEMARCATION FENCE	653.55

QUANTITY SHEET 1



	-			DETAILED SUMMARY OF QUANTITIES	
ROUND	_	QUANTITIES	UNIT	ITEMS	
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	PR	OJECT NAM	IE:	BURLINGTON BIKE PATH PHASE	3E
	PR	OJECT NUM	IBER:	58109.01	
)		E NAME: 58			
			~	.P.DETRICK DRAWN BY: C.K.FORD	

I	I	301	MMARY OF ESTIM		BIKE/TRANSP	I	OAKLEDGE		ΤΟΤΑ			DESCRIPTIONS	
				FLYNN AVE PAUSE PLACE	ORTATION PATH	AUSTIN DRIVE GATEWAY	PARK PARKING LOT	BID ALTERNATE	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NUMBER
							6		6		EACH	DECIDUOUS TREES (QUERCUS MACROCARPA)	656.30
				8					8		EACH	DECIDUOUS SHRUBS (CORNUS RACEMOSA)	656.35
				22					22		EACH	DECIDUOUS SHRUBS (CORNUS STOLONIFERA 'ARCTIC FIRE')	656.35
						4			4		EACH	DECIDUOUS SHRUBS (ILEX GLABRA 'SHAMROCK')	656.35
						6			6		EACH	DECIDUOUS SHRUBS (VIBURNUM DENTATUM 'ARROWWOOD')	656.35
				79		17	33		129		EACH	PERENNIALS	656.41
					27				27		MGAL	LANDSCAPE WATERING	656.65
				50		25	30		105		СҮ	LANDSCAPE BACKFILL, TRUCK MEASUREMENT	656.80
					5.17				5.17		SF	TRAFFIC SIGN, TYPE A	675.20
					25				25		LF	SQUARE TUBE SIGN POST AND ANCHOR	675.341
					7				7		EACH	REMOVING SIGNS	675.50
					3				3		EACH	RESETTING SIGNS	675.60
				85					85		LF	ELECTRICAL CONDUIT (1")(SCH 40)(PVC)	678.21
				180					180		LF	ELECTRICAL CONDUIT (2")(SCH 40)(PVC)	678.21
				160					160		LF	WRED CONDUIT (1")(SCH 40)(PVC)	678.23
				1					1		EACH	JUNCTION BOX	678.26
				2					2		EACH	STREET LIGHT ASSEMBLY	679.46
				30					30		CY	SPECIAL PROVISION (AGGREGATE FOR EROSION PREVENTION AND SEDIMENT CONTROL)	900.608
					20				20		CY	SPECIAL PROVISION (CONTAMINATED MEDIA)	900.608
					675				675		СҮ	SPECIAL PROVISION (DISPOSAL OF CLASS I SOILS)	900.608
					1125				1125		СҮ	SPECIAL PROVISION (DISPOSAL OF CLASS II SOILS)	900.608
				40		15			55		СҮ	SPECIAL PROVISION (EXPOSED AGGREGATE CONCRETE)	900.608
					130				130		СҮ	SPECIAL PROVISION (MANAGEMENT OF CLASS I SOILS)	900.608
					170				170		СҮ	SPECIAL PROVISION (MANAGEMENT OF CLASS II SOILS)	900.608
					155	5			160		СҮ	SPECIAL PROVISION (STONE SCREENINGS)	900.608
				8					8		EACH	SPECIAL PROVISION (3' X 3' X 3' GABION BASKET WITH ROCK FILL)	900.620
				6			13		19		EACH	SPECIAL PROVISION (BIKE RACK)	900.620
				1					1		EACH	SPECIAL PROVISION (BIKE TUNING STATION)	900.620
				1		1			2		EACH	SPECIAL PROVISION (BURLINGTON GREENWAY SIGN - IDENTIFICATION SIGN)	900.620
					2	1			3		EACH	SPECIAL PROVISION (LANDSCAPE BENCH)	900.620
				1					1		EACH	SPECIAL PROVISION (LIFE RING CABINET)	900.620
				81		2	3		86		EACH	SPECIAL PROVISION (RELOCATE AND INSTALL BOULDER)	900.620
				1					1		LS	SPECIAL PROVISION (BPRW LOGO)	900.645
					1						LS	SPECIAL PROVISION (BETWEEDOD) SPECIAL PROVISION (ROOT PRUNING AND TREE PROTECTION)	900.645
					Г Г Г СОО				500				
				4740	500						SF	SPECIAL PROVISION (BOULDER RETAINING WALL)	900.670
				1710					1710		SF	SPECIAL PROVISION (PERMEABLE PAVERS)	900.670

OIIANTITY SHEET 2



	┤		DETAILED SUMMARY OF QUANTITIES
ROUND	QUANTITIES	UNIT	ITEMS
	-		
	PROJECT NAM		BURLINGTON BIKE PATH PHASE
hb	PROJECT NUM		58109.01 s.dgn PLOT DATE: 4/23/2021



<u>SEGMENT 1</u>

POINT	STATION	NORTHING	EASTING
POT	100+15.27	712045.96	1450636.77
POC	127+00.00	714136.37	1451295.94

SEGMENT I EXTENDS FROM AUSTIN DRIVE TO BLANCHARD BEACH. LENGTH OF SEGMENT I = 3659.46 FT



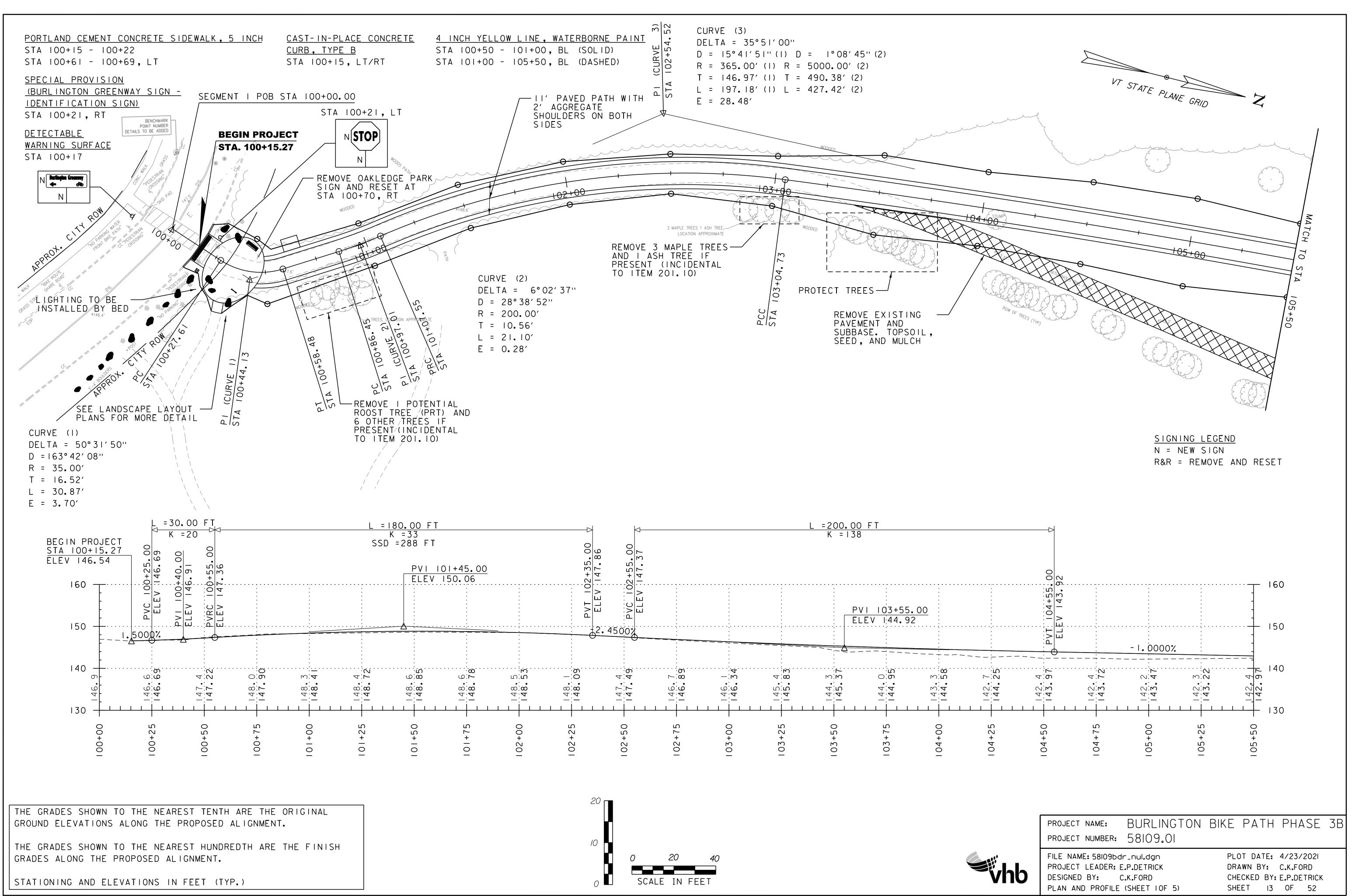
	PROJECT NAME: PROJECT NUMBER:	BURLINGTON 58109.01	BIKE	ΡΑΤΗ	PHASE	3B
, hb	FILE NAME: 58109a1i PROJECT LEADER: E DESIGNED BY: E ALIGNMENT POINTS	.P.DETRICK B.M.ROBERTS	DRA	WN BY: CKED BY:	E.P.DETRICK	

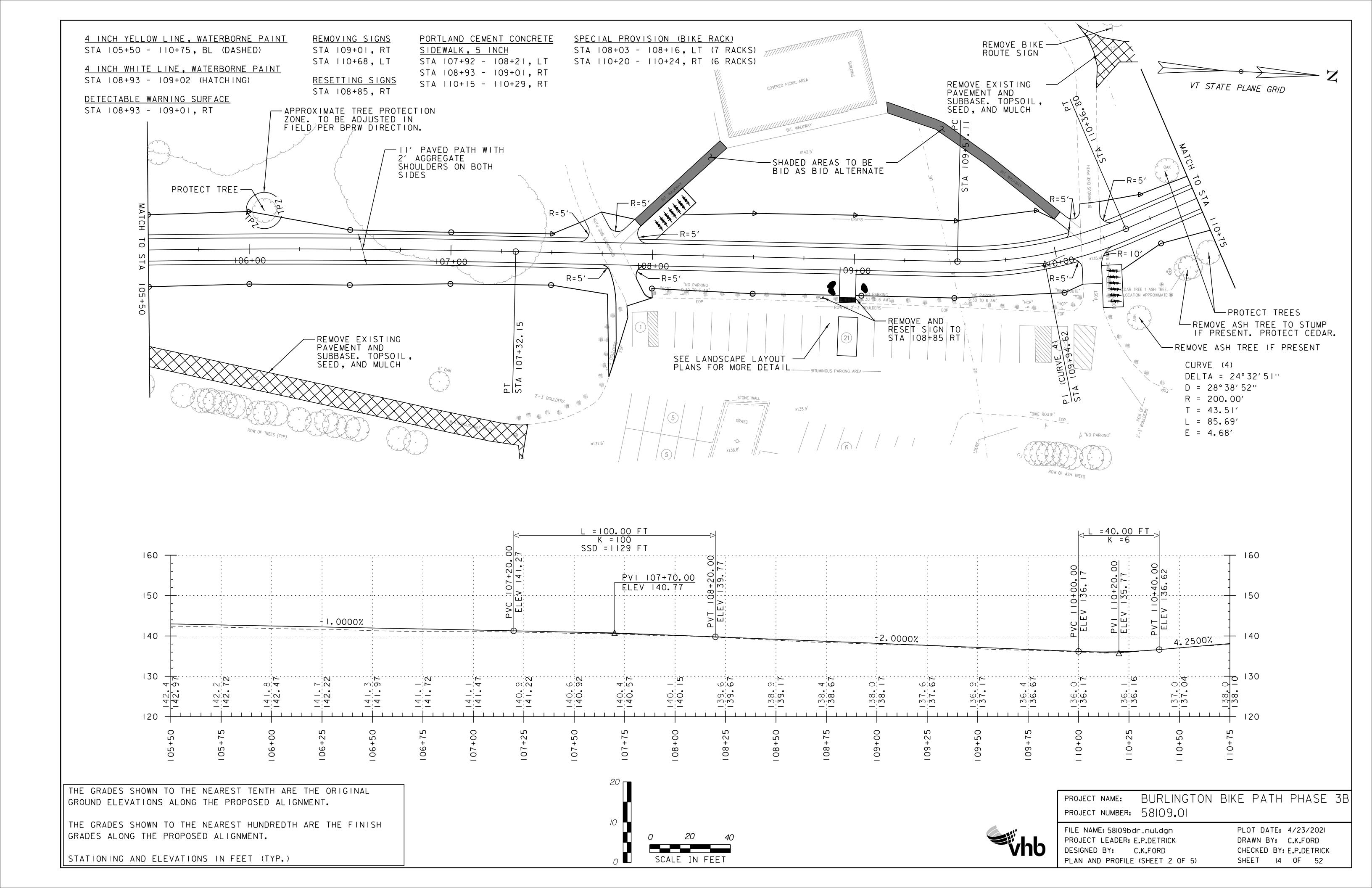
BASELINE STATIONING	IS NOT CONTINUOUS.
EQUALITIES HAVE BEEN	INCORPORATED INTO THE
	SEE LAYOUT SHEETS FOR
EQUALITY INFORMATION	AND CURVE DATA.

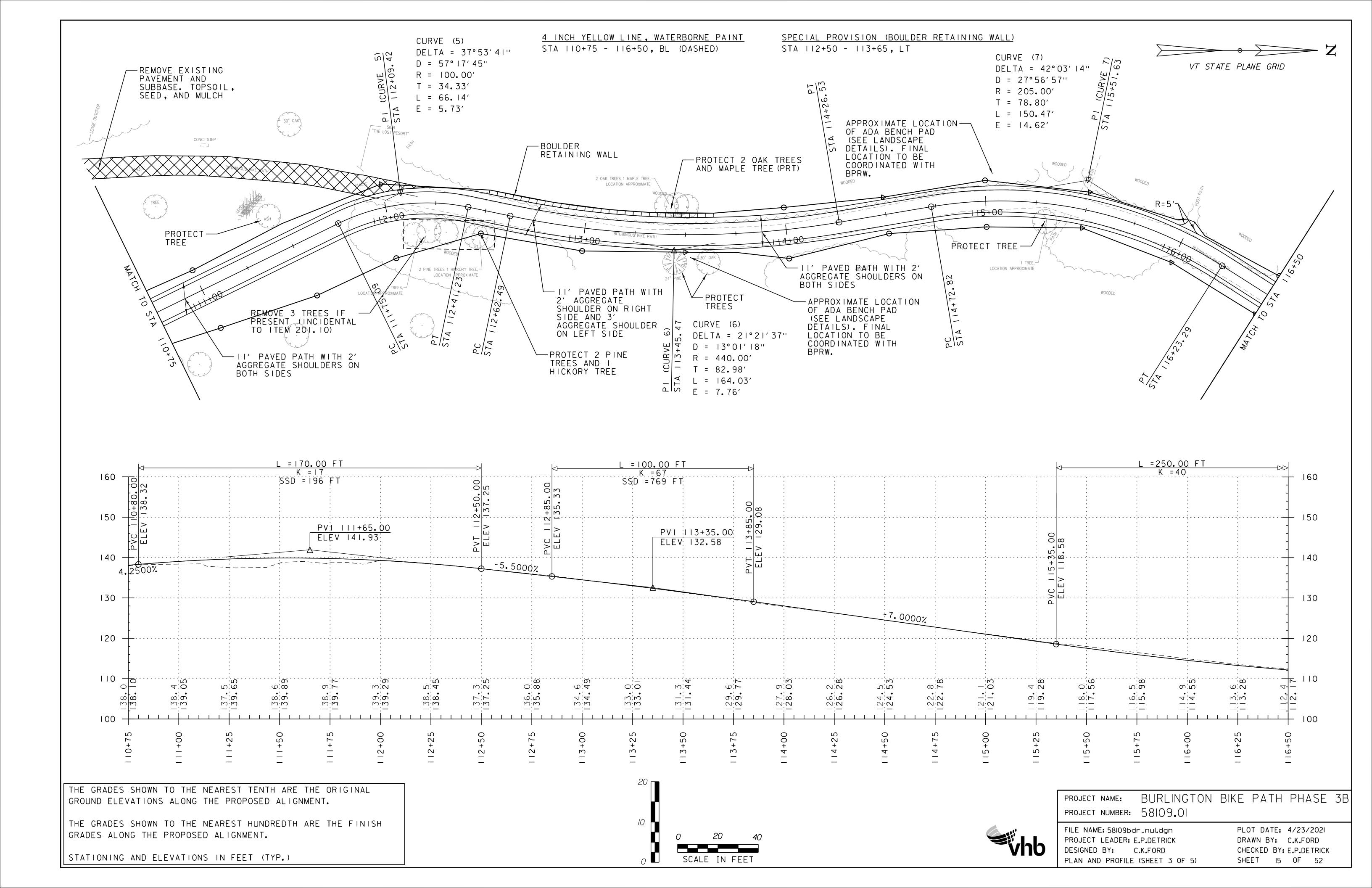
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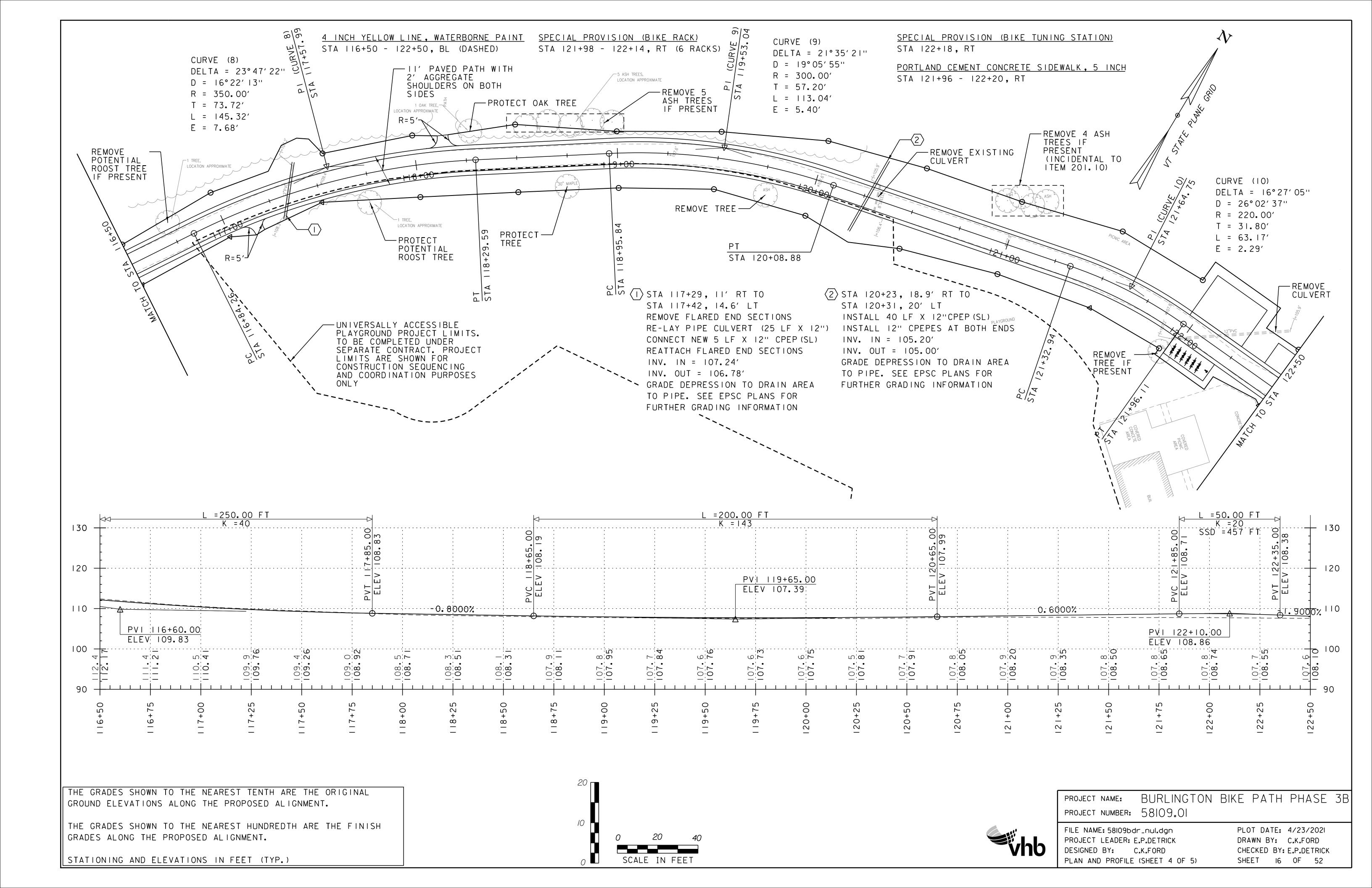
POB	POINT	OF	BEGINNING ALIGNMENT
POE	POINT	OF	END ALIGNMENT

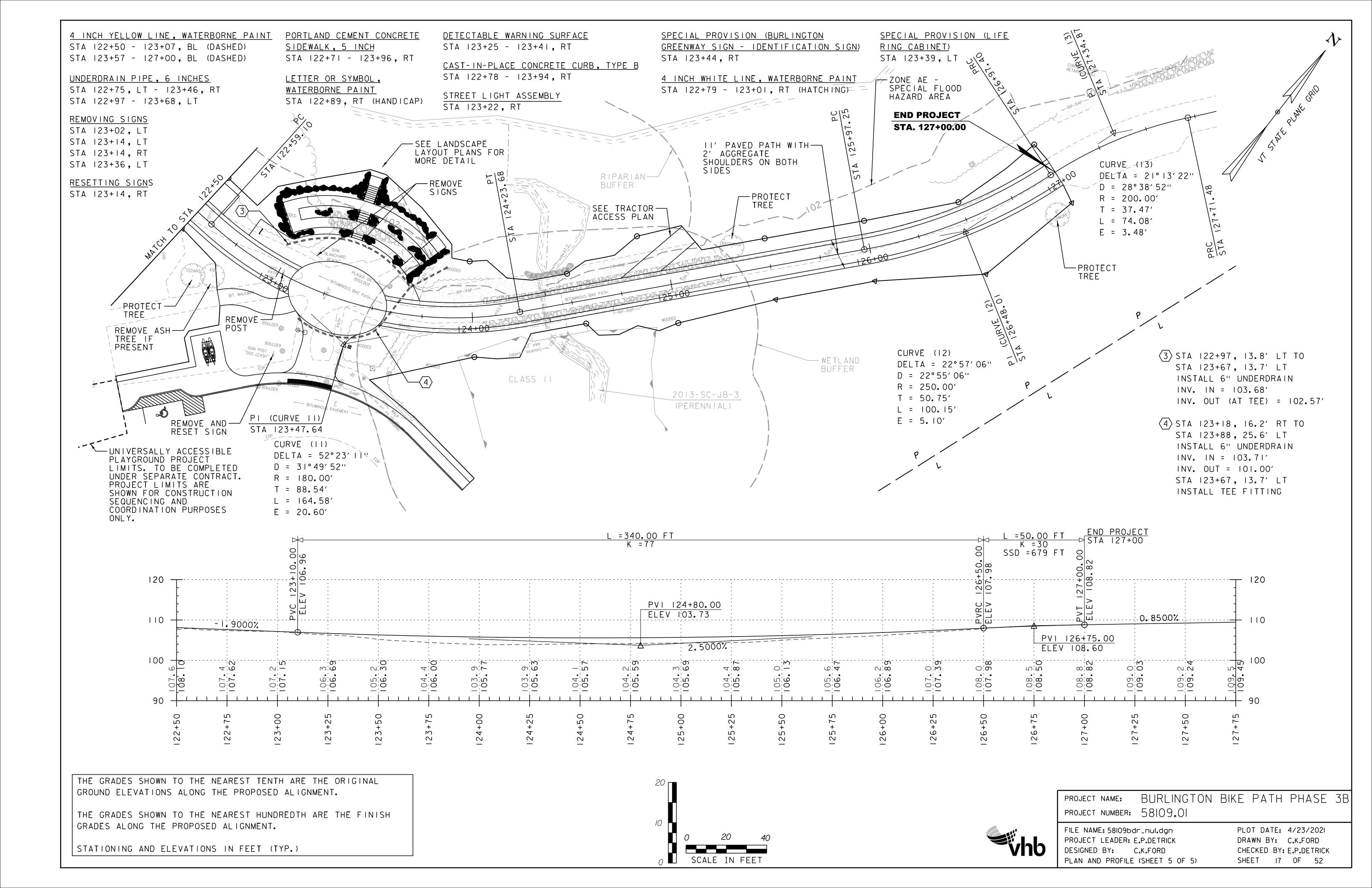
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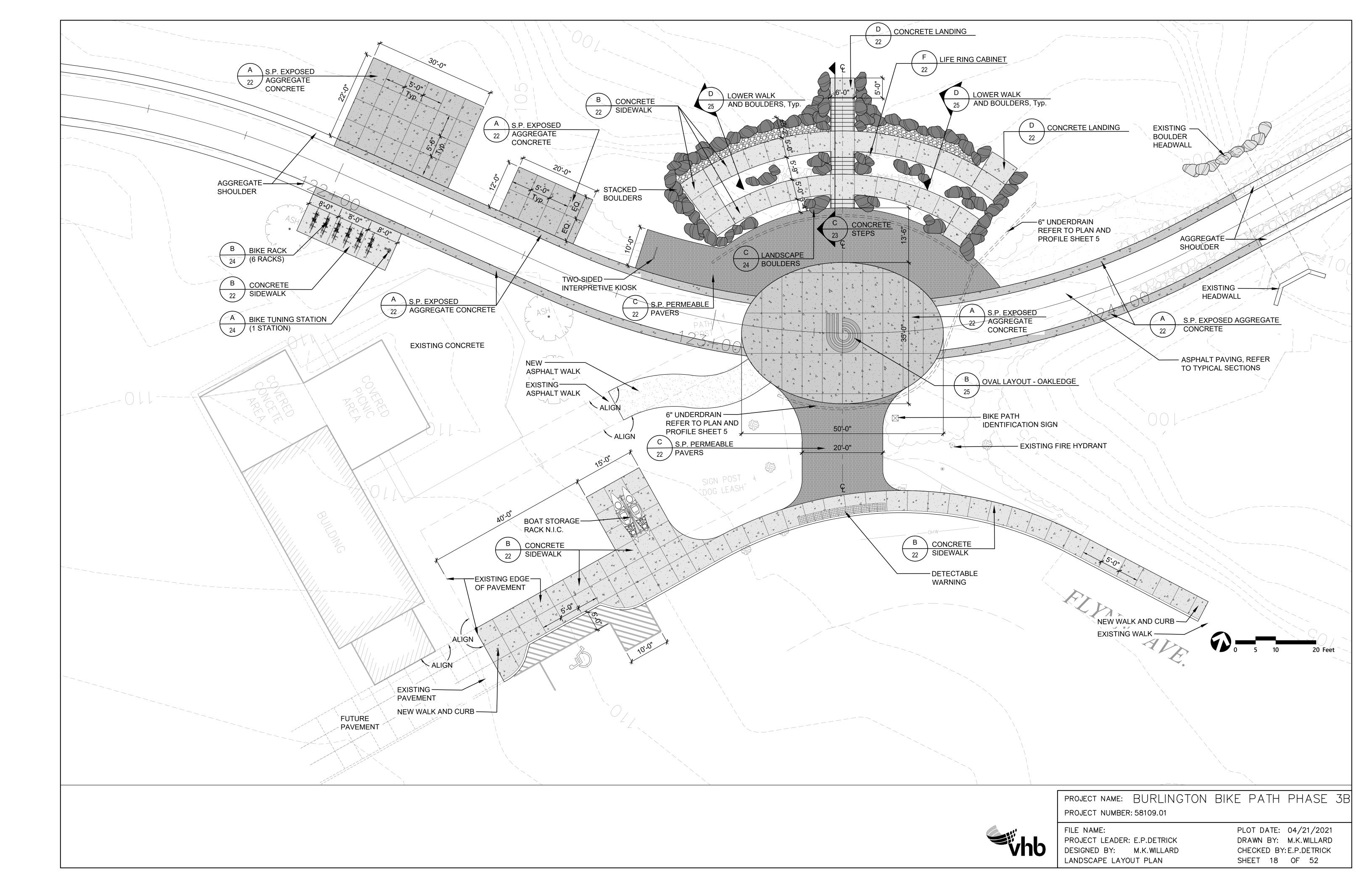


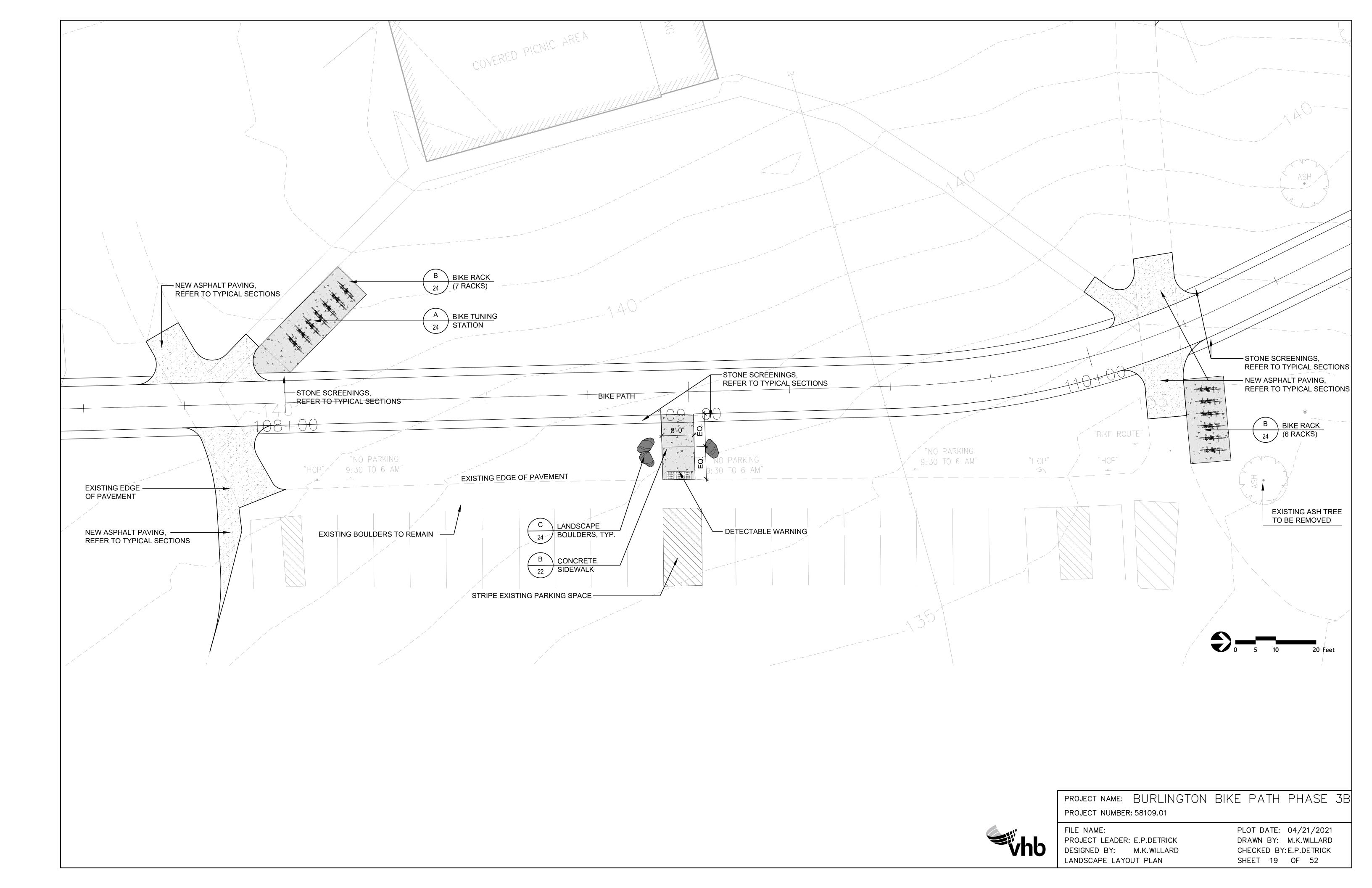


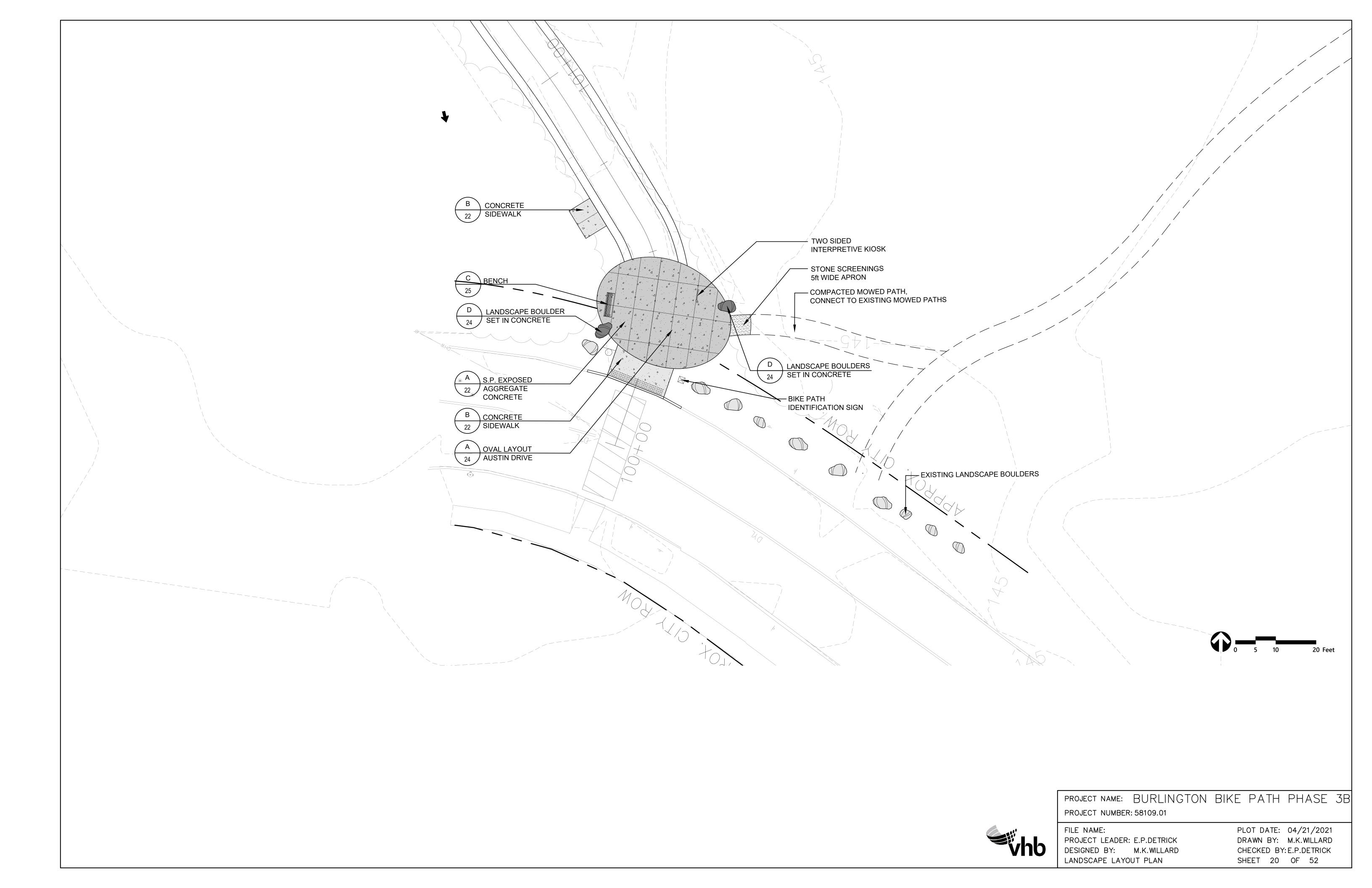




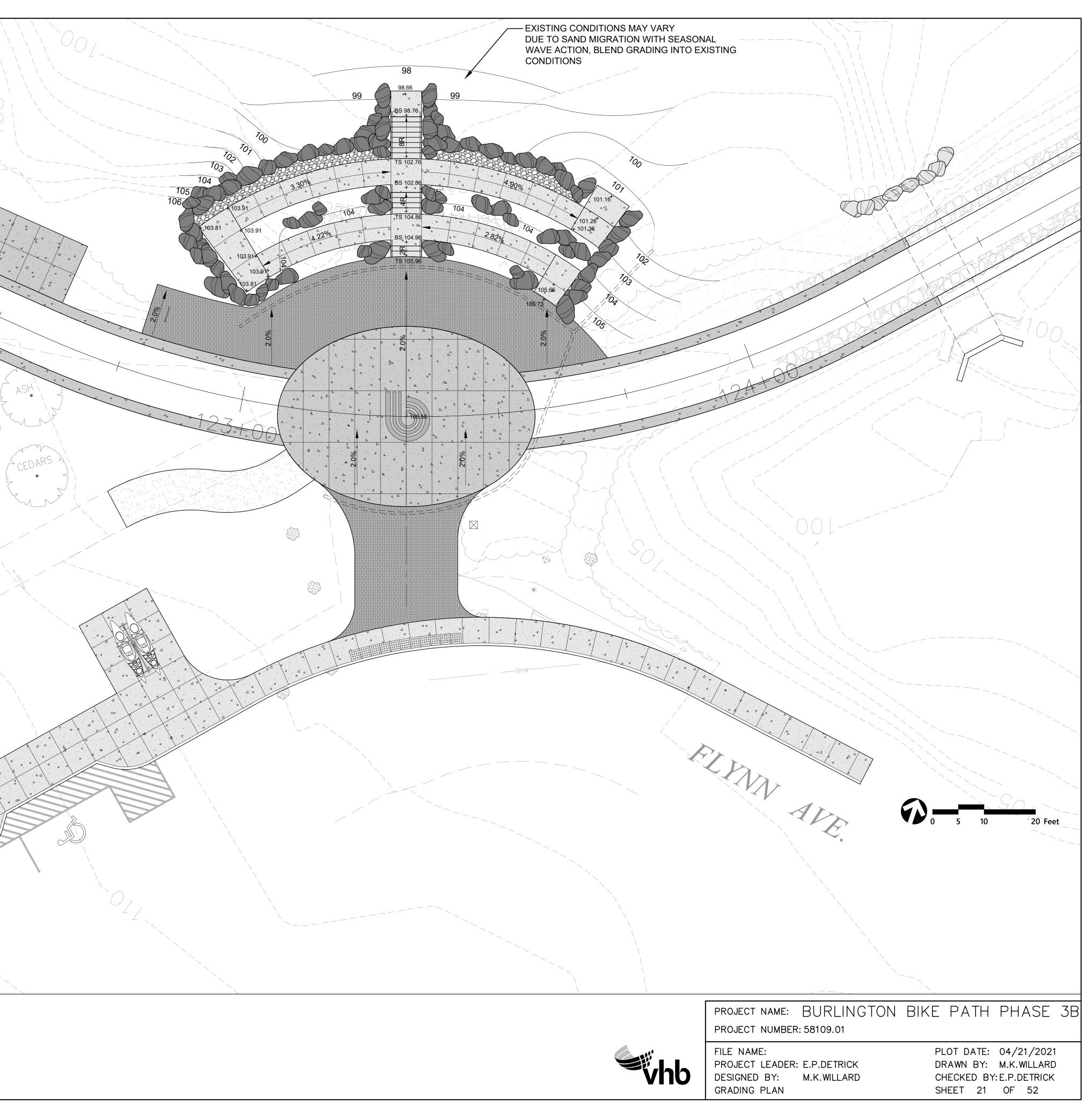




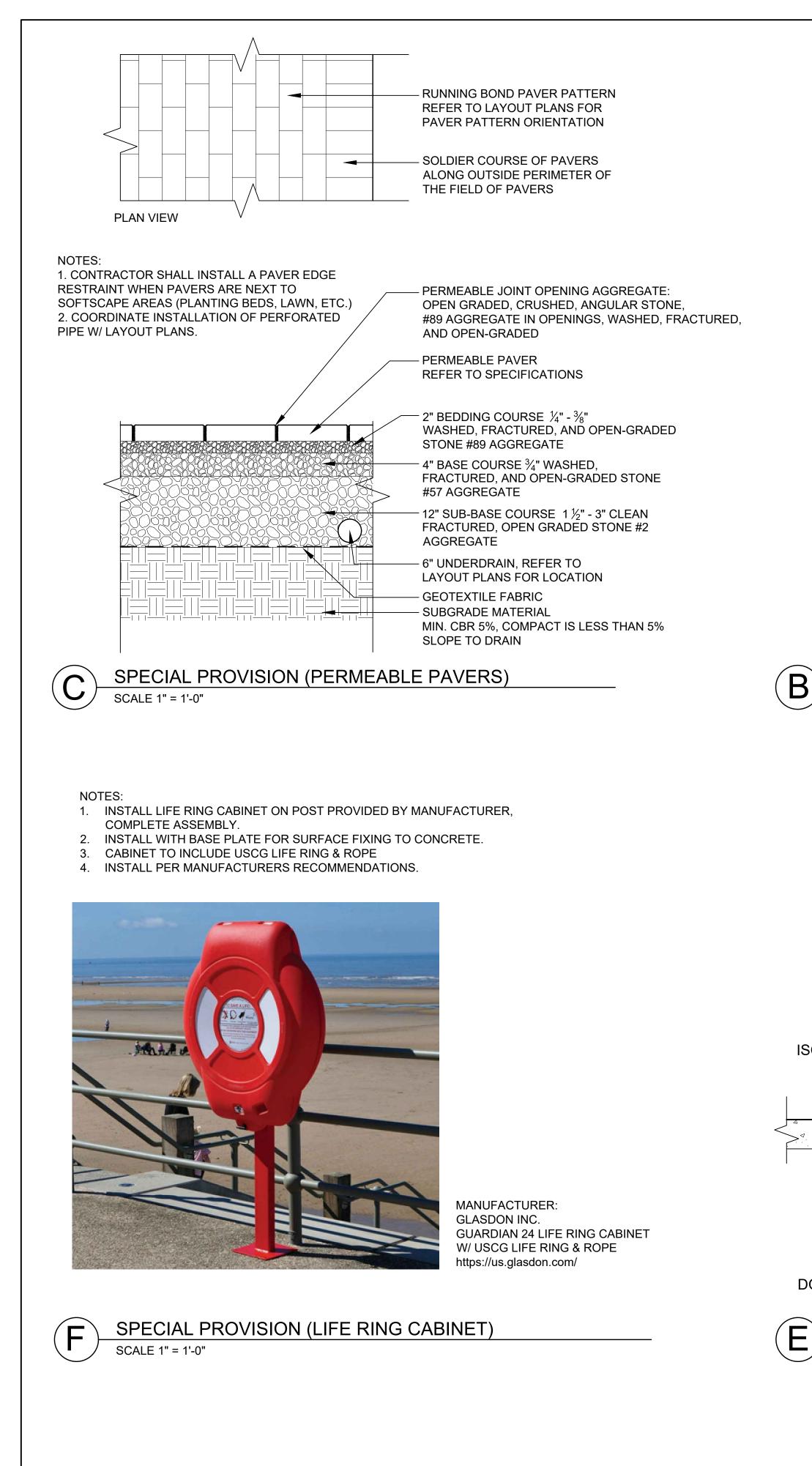




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EXISTING CONTOURS PROPOSED CONTOURS SWALE (430.50) + EXIST. SPOT GRADE 430.50 + SPOT GRADE TS + TOP OF STEP BS + BOTTOM OF STEP		
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EXISTING CONTOURS PROPOSED CONTOURS SWALE (430.50) + EXIST. SPOT GRADE 430.50 + SPOT GRADE TS + TOP OF STEP BS + BOTTOM OF STEP TW + TOP OF WALL BW + BOTTOM OF WALL TC + TOP OF CURB BC + BOTTOM OF CURB FC + FLUSH CURB TR + TOP OF RAMP BR + BOTTOM OF RAMP HP + HIGH POINT		
EXISTING CONTOURS PROPOSED CONTOURS SWALE (430.50) + EXIST. SPOT GRADE 430.50 + SPOT GRADE TS + TOP OF STEP BS + BOTTOM OF STEP TW + TOP OF WALL BW + BOTTOM OF WALL TC + TOP OF CURB BC + BOTTOM OF CURB FC + FLUSH CURB TR + TOP OF RAMP BR + BOTTOM OF RAMP HP + HIGH POINT LP + LOW POINT		
EXISTING CONTOURS PROPOSED CONTOURS SWALE (430.50) + EXIST. SPOT GRADE 430.50 + SPOT GRADE TS + TOP OF STEP BS + BOTTOM OF STEP TW + TOP OF WALL BW + BOTTOM OF WALL TC + TOP OF CURB BC + BOTTOM OF CURB FC + FLUSH CURB TR + TOP OF RAMP BR + BOTTOM OF RAMP HP + HIGH POINT LP + LOW POINT CB + CATCH BASIN		
EXISTING CONTOURS PROPOSED CONTOURS SWALE (430.50) + EXIST. SPOT GRADE 430.50 + SPOT GRADE TS + TOP OF STEP BS + BOTTOM OF STEP TW + TOP OF WALL BW + BOTTOM OF WALL TC + TOP OF CURB BC + BOTTOM OF CURB FC + FLUSH CURB TR + TOP OF RAMP BR + BOTTOM OF RAMP HP + HIGH POINT LP + LOW POINT CB + CATCH BASIN AD + AREA DRAIN		
EXISTING CONTOURS PROPOSED CONTOURS SWALE (430.50) + EXIST. SPOT GRADE 430.50 + SPOT GRADE TS + TOP OF STEP BS + BOTTOM OF STEP TW + TOP OF WALL BW + BOTTOM OF WALL TC + TOP OF CURB BC + BOTTOM OF CURB FC + FLUSH CURB TR + TOP OF RAMP BR + BOTTOM OF RAMP HP + HIGH POINT LP + LOW POINT CB + CATCH BASIN AD + AREA DRAIN TD + TRENCH DRAIN		
EXISTING CONTOURS PROPOSED CONTOURS SWALE (430.50) + EXIST. SPOT GRADE 430.50 + SPOT GRADE TS + TOP OF STEP BS + BOTTOM OF STEP TW + TOP OF WALL BW + BOTTOM OF WALL TC + TOP OF CURB BC + BOTTOM OF CURB FC + FLUSH CURB TR + TOP OF RAMP BR + BOTTOM OF RAMP HP + HIGH POINT LP + LOW POINT CB + CATCH BASIN AD + AREA DRAIN TD + TRENCH DRAIN PD + PLANTER DRAIN		
EXISTING CONTOURS PROPOSED CONTOURS SWALE (430.50) + EXIST. SPOT GRADE 430.50 + SPOT GRADE TS + TOP OF STEP BS + BOTTOM OF STEP TW + TOP OF WALL BW + BOTTOM OF WALL TC + TOP OF CURB BC + BOTTOM OF CURB FC + FLUSH CURB TR + TOP OF RAMP BR + BOTTOM OF RAMP HP + HIGH POINT LP + LOW POINT CB + CATCH BASIN AD + AREA DRAIN TD + TRENCH DRAIN		









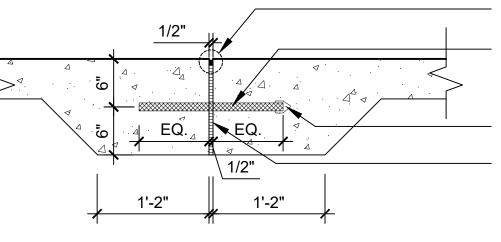
SCALE 1" = 1'-0"

D

·- 4

DOWELED EXPANSION JOINT

SCALE 1" = 1'-0"



JOINTS - CONCRETE PAVEMENT

EQ.

1/2"

1'-2"



DOWEL CAP W/ LUBRICANT THIS END

#4 SMOOTH DOWEL BARS, 18" LONG @ 12" O.C. AND PARALLEL

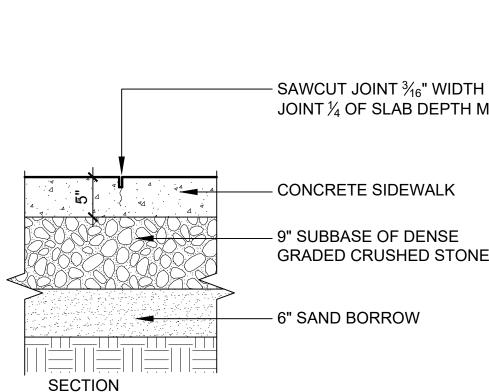
SEALANT 3/4" DEEP

- WALL OR STRUCTURE

- DOWEL CAP W/ LUBRICANT, THIS END PREFORMED JOINT FILLER FULL DEPTH OF SLAB

SEALANT 3/4" DEEP #4 SMOOTH DOWEL BARS 18" LONG @ 12" O.C. AND PARALLEL





CONCRETE SIDEWALK

1/2"

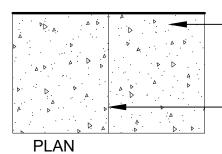
EQ.

ISOLATION JOINT @ STRUCTURES

SCALE 1" = 1'-0"

– 9" SUBBASE OF DENSE GRADED CRUSHED STONE

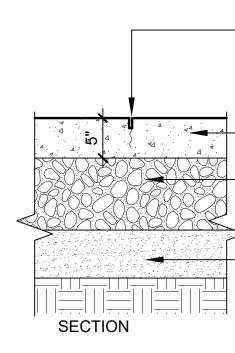
JOINT 1/4 OF SLAB DEPTH MINIMUM

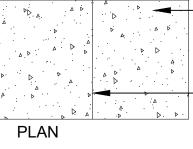


SAWCUT JOINT ³/₁₆" WIDTH JOINT $\frac{1}{4}$ OF SLAB DEPTH MINIMUM

- CONCRETE SIDEWALK

NOTES: 1. CONSTRUCT SUBBASE BASED ON "PATH TYPICAL SECTION", REFER TO TYPICAL SECTIONS







	NOTES: 1. CONSTRUCT SUBBASE BASED ON "PATH TYPICAL SECTION", REFER TO TYPICAL SECTIONS
•	- SPECIAL PROVISION (EXPOSED AGGREGATE CONCRETE)
	- SAWCUT JOINT $\frac{3}{16}$ " WIDTH JOINT $\frac{1}{4}$ OF SLAB DEPTH MINIMUM
	- SAWCUT JOINT $\frac{3}{16}$ " WIDTH JOINT $\frac{1}{4}$ OF SLAB DEPTH MINIMUM
	- SPECIAL PROVISION (EXPOSED AGGREGATE CONCRETE) - 9" SUBBASE OF DENSE GRADED CRUSHED STONE
	- 6" SAND BORROW

SPECIAL PROVISION (EXPOSED AGGREGATE CONCRETE)

NOTES:	
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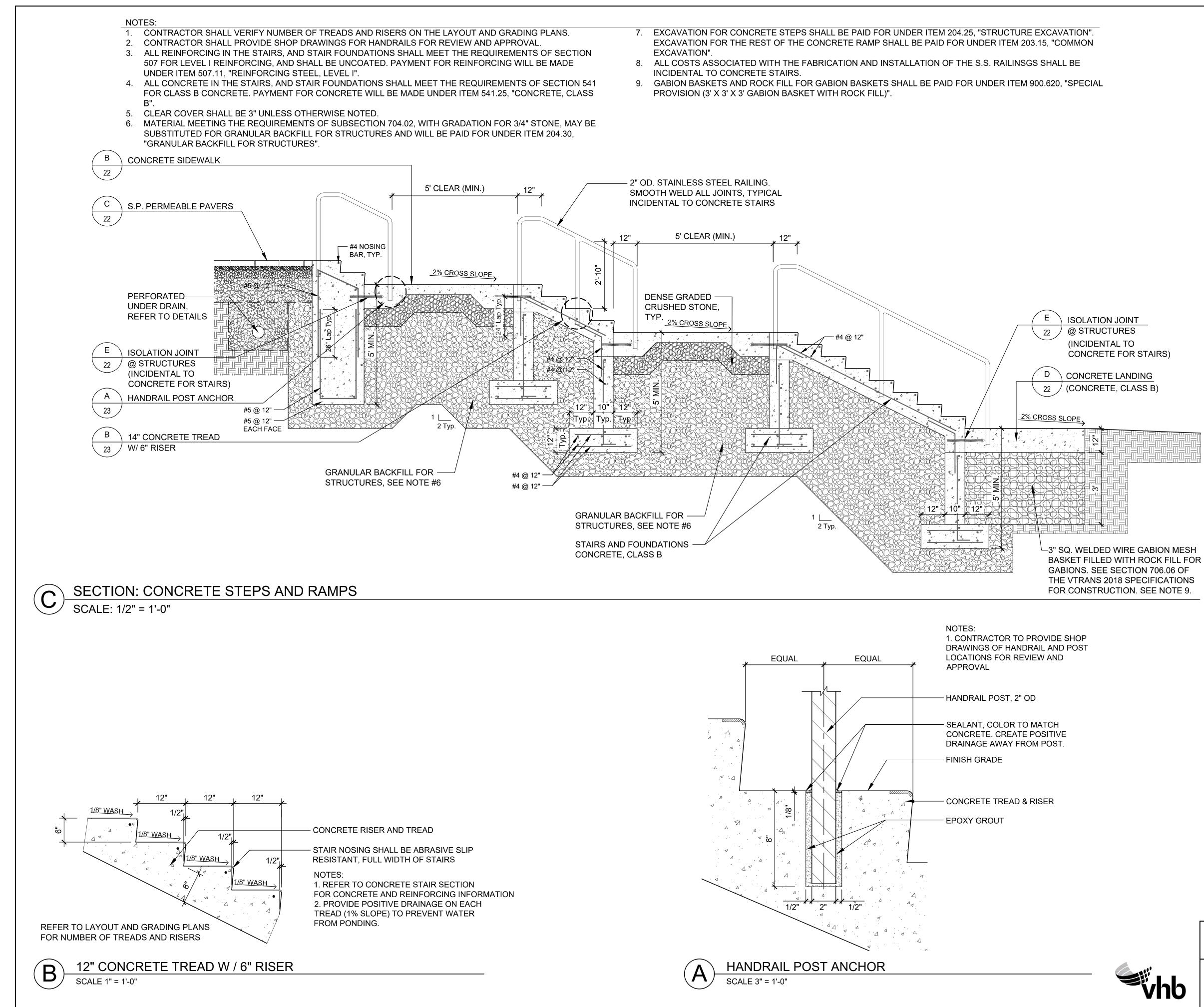
1. REFER TO LAYOUT PLANS FOR LOCATION AND DIMENSIONS OF LANDING. 2. DOWEL EACH LANDING TO THE NEIGHBORING STAIR FOUNDATION OR CONCRETE WALK, REFER TO ISOLATION JOINT DETAIL.

- CONCRETE LANDING W/ #4 12" O.C. EACHWAY

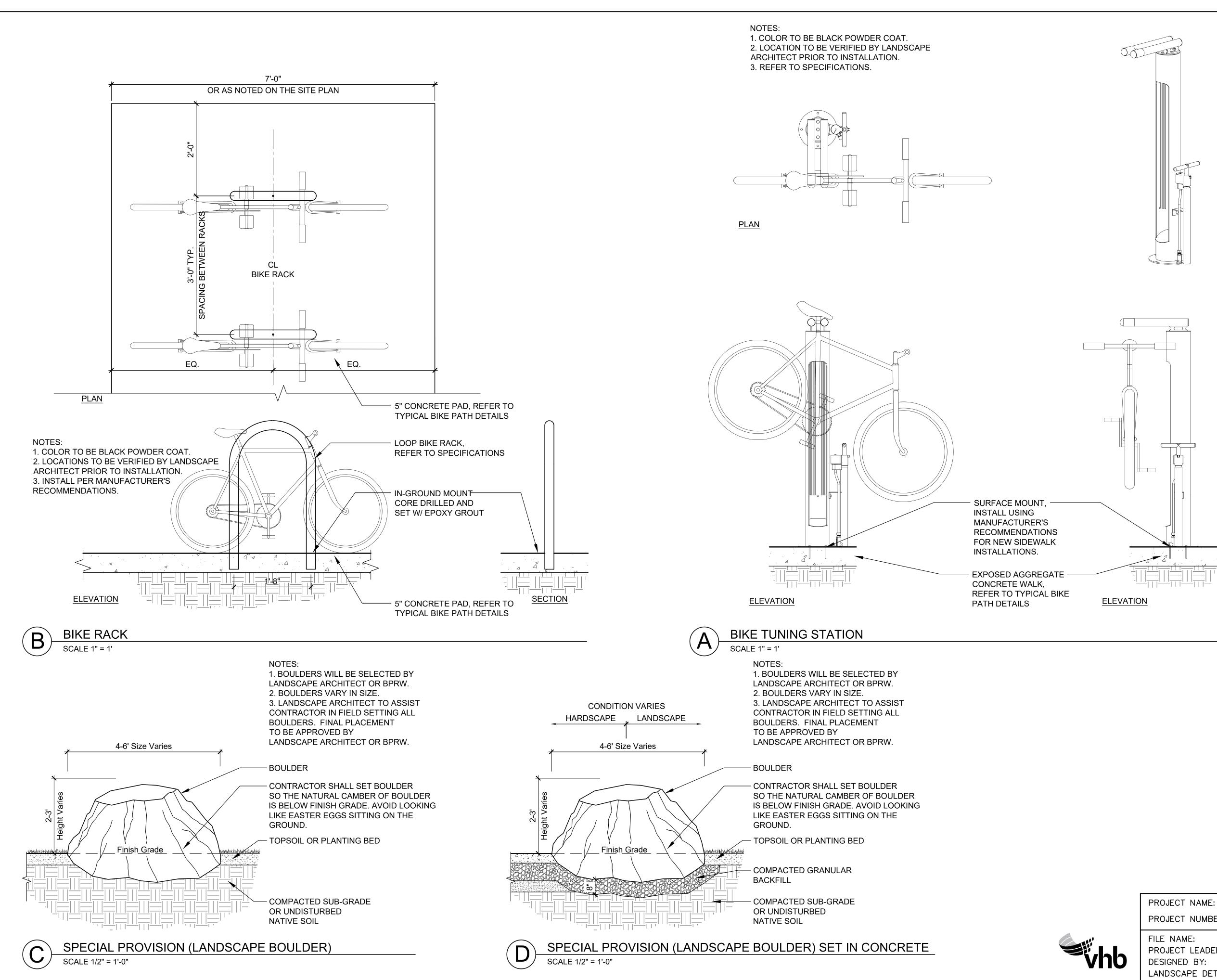
GABION BASKET W/ 4-8" STONE REFER TO CONCRETE STEPS AND RAMP SECTION FOR ADDITIONAL INFORMATION

CONCRETE LANDING

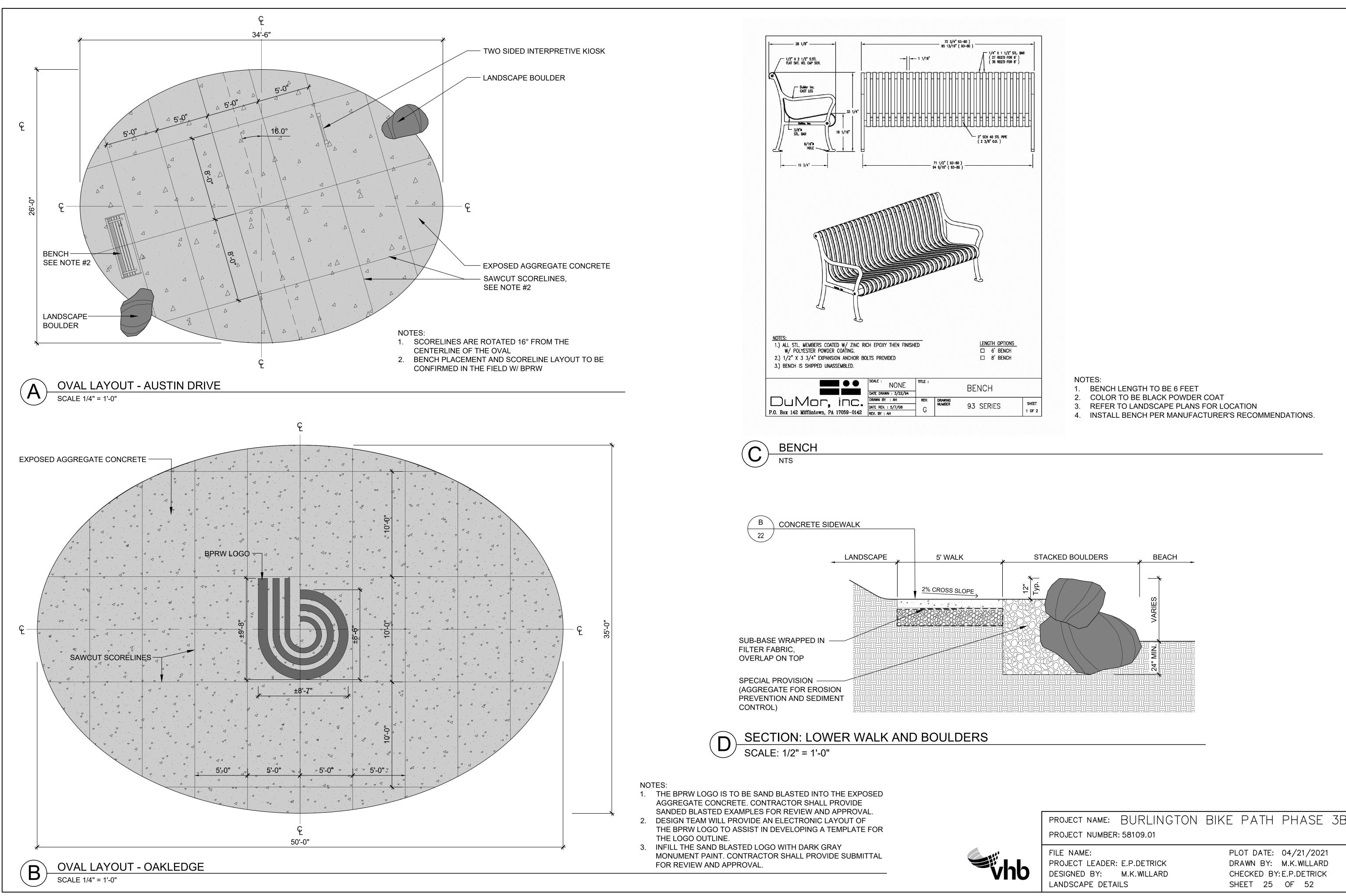
	PROJECT NAME: PROJECT NUMBER	BURLINGTON R: 58109.01	BIKE	PATH	PHASE	3B
vhb	FILE NAME: PROJECT LEADER DESIGNED BY: LANDSCAPE DETA	M.K.WILLARD	DF Cł	RAWN BY:	04/21/2021 M.K.WILLARD ÉE.P.DETRICK OF 52	



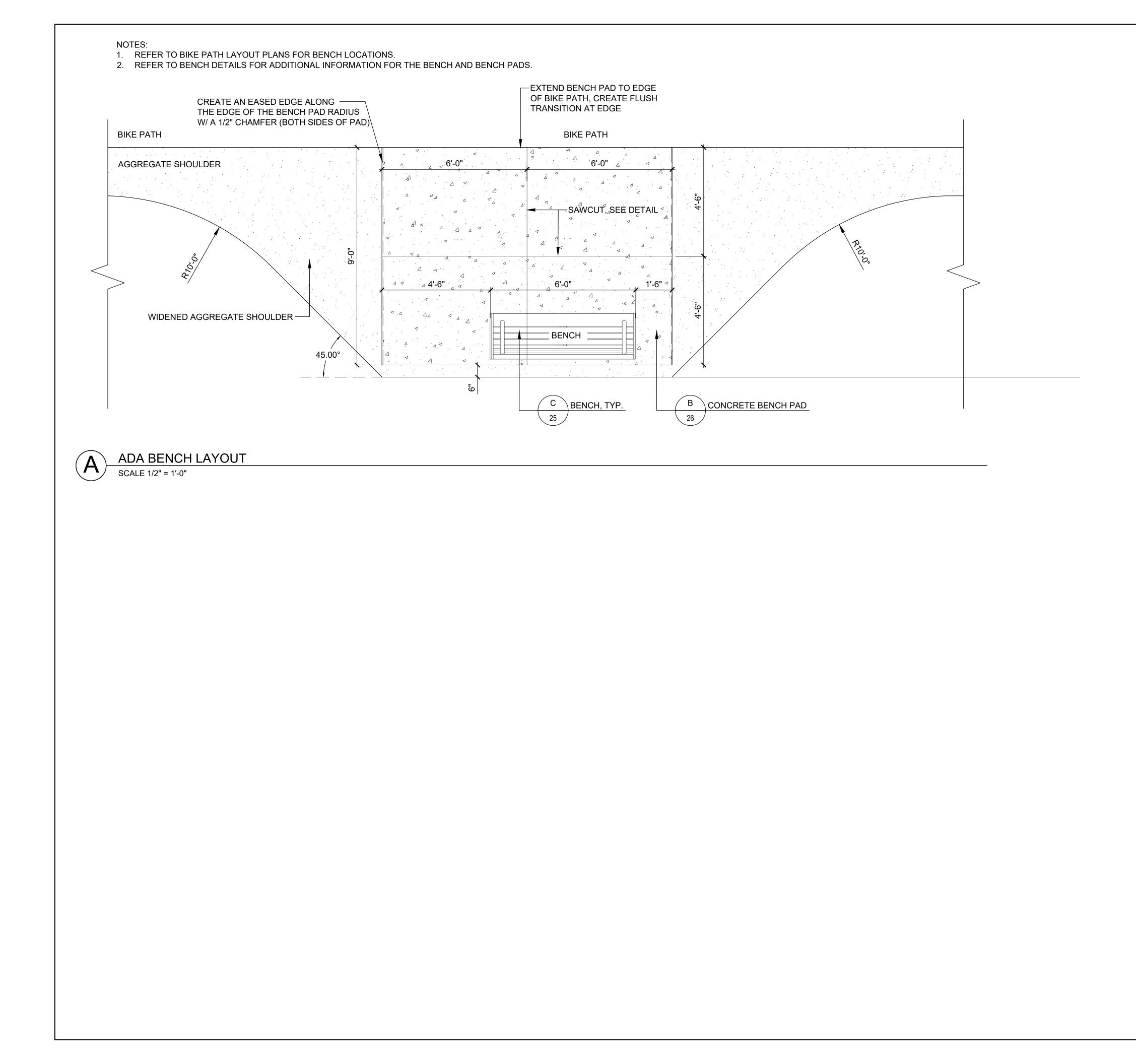
	PROJECT NAME: BURLINGTON PROJECT NUMBER: 58109.01	n bike path phase 3b
b	FILE NAME: PROJECT LEADER: E.P.DETRICK DESIGNED BY: M.K.WILLARD LANDSCAPE DETAILS	PLOT DATE: 04/21/2021 DRAWN BY: M.K.WILLARD CHECKED BY:E.P.DETRICK SHEET 23 OF 52



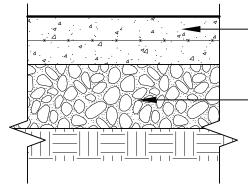
_						
	PROJECT NAME:	BURLINGTON	BIKE	PATH	PHASE	3B
	PROJECT NUMBER	8: 58109.01				
	FILE NAME: PROJECT LEADER				04/21/2021 M.K.WILLARD	
าb	DESIGNED BY: LANDSCAPE DETA	M.K.WILLARD	CH		:E.P.DETRICK	



	PROJECT NAME:	BURLINGTON	BIKE	PATH	PHASE	3B
	PROJECT NUMBER	2: 58109.01				
Хрр	FILE NAME:				04/21/2021	
₹.	PROJECT LEADER	E.P.DETRICK	DR	AWN BY:	M.K.WILLARD	
Vnn	DESIGNED BY:			IECKED DV	E.P.DETRICK	







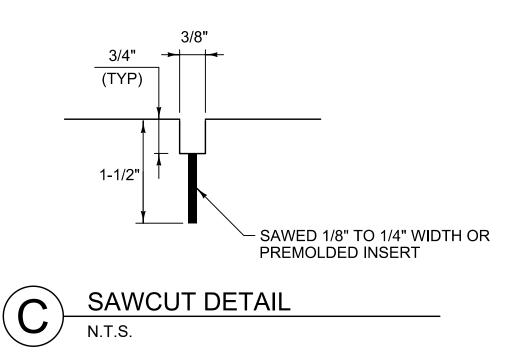
– 6" CONCRETE PAD CLASS B CONCRETE

– 8" SUBBASE OF DENSE GRADED CRUSHED STONE

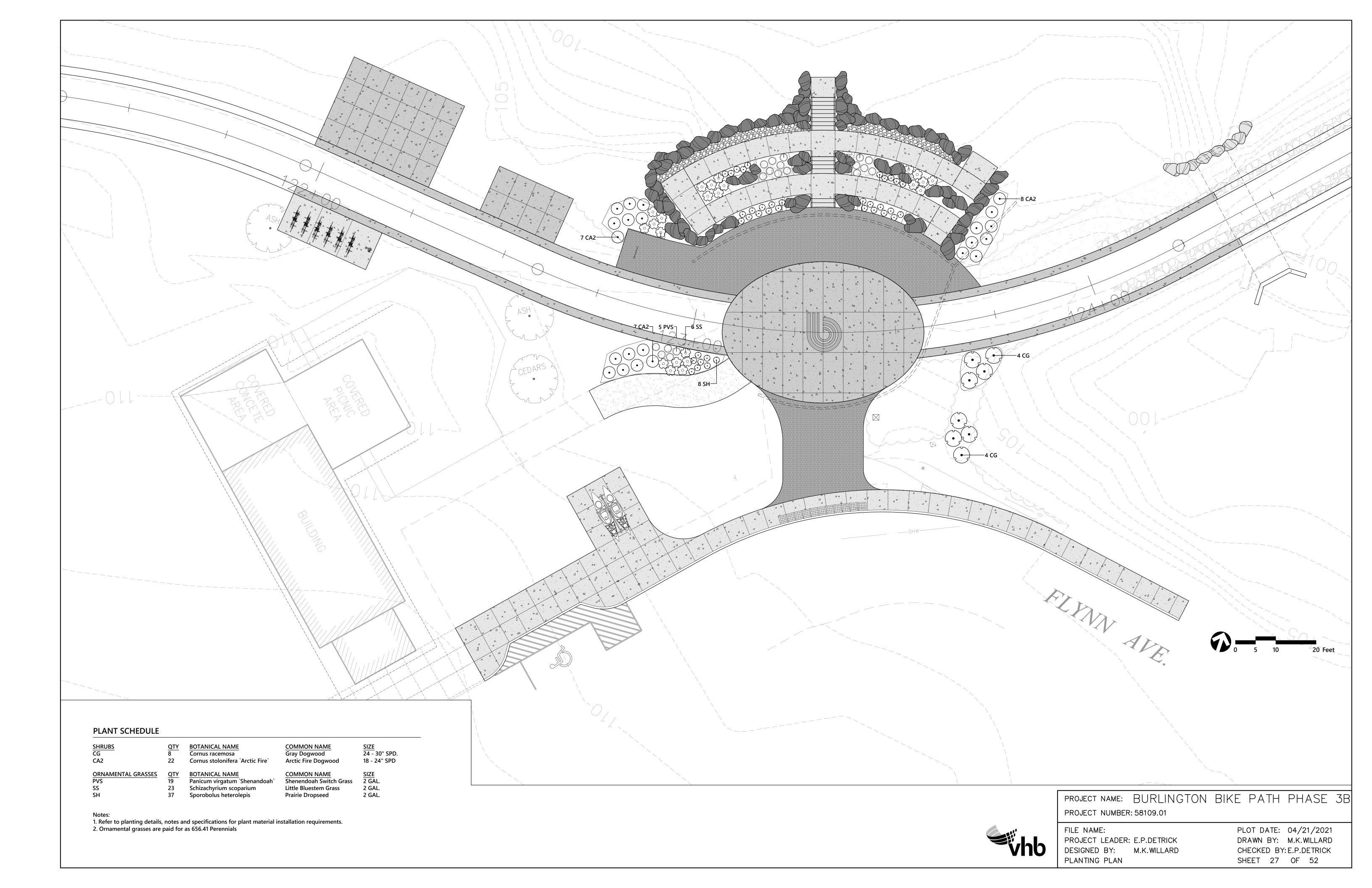


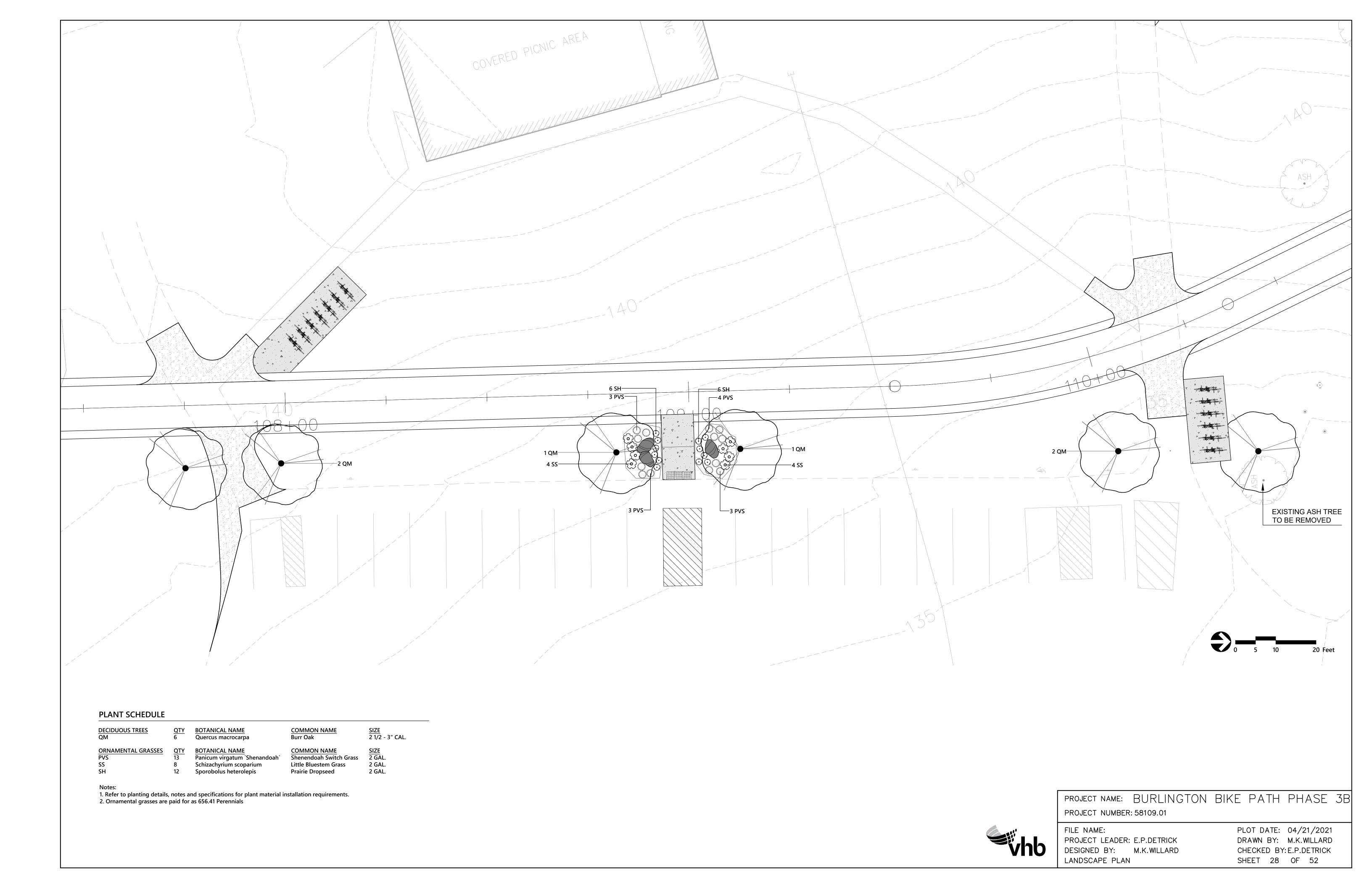
CONCRETE BENCH PAD

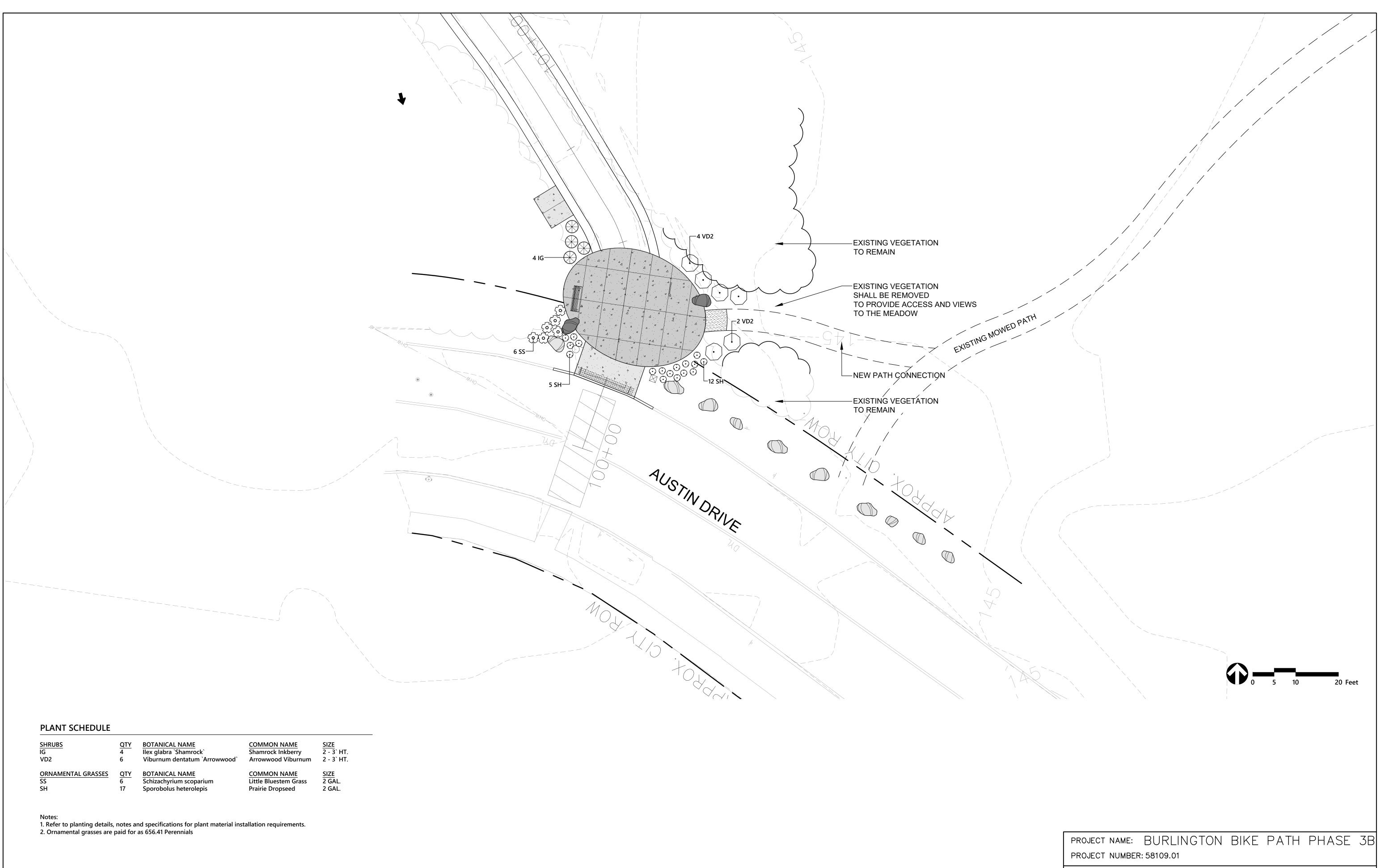
SCALE 1" = 1'-0"



	PROJECT NAME: BURLINGTON	BIKE PATH PHASE 3B
	PROJECT NUMBER: 58109.01	
b	FILE NAME: PROJECT LEADER: E.P.DETRICK DESIGNED BY: M.K.WILLARD LANDSCAPE DETAILS	PLOT DATE: 04/21/2021 DRAWN BY: M.K.WILLARD CHECKED BY:E.P.DETRICK SHEET 26 OF 52



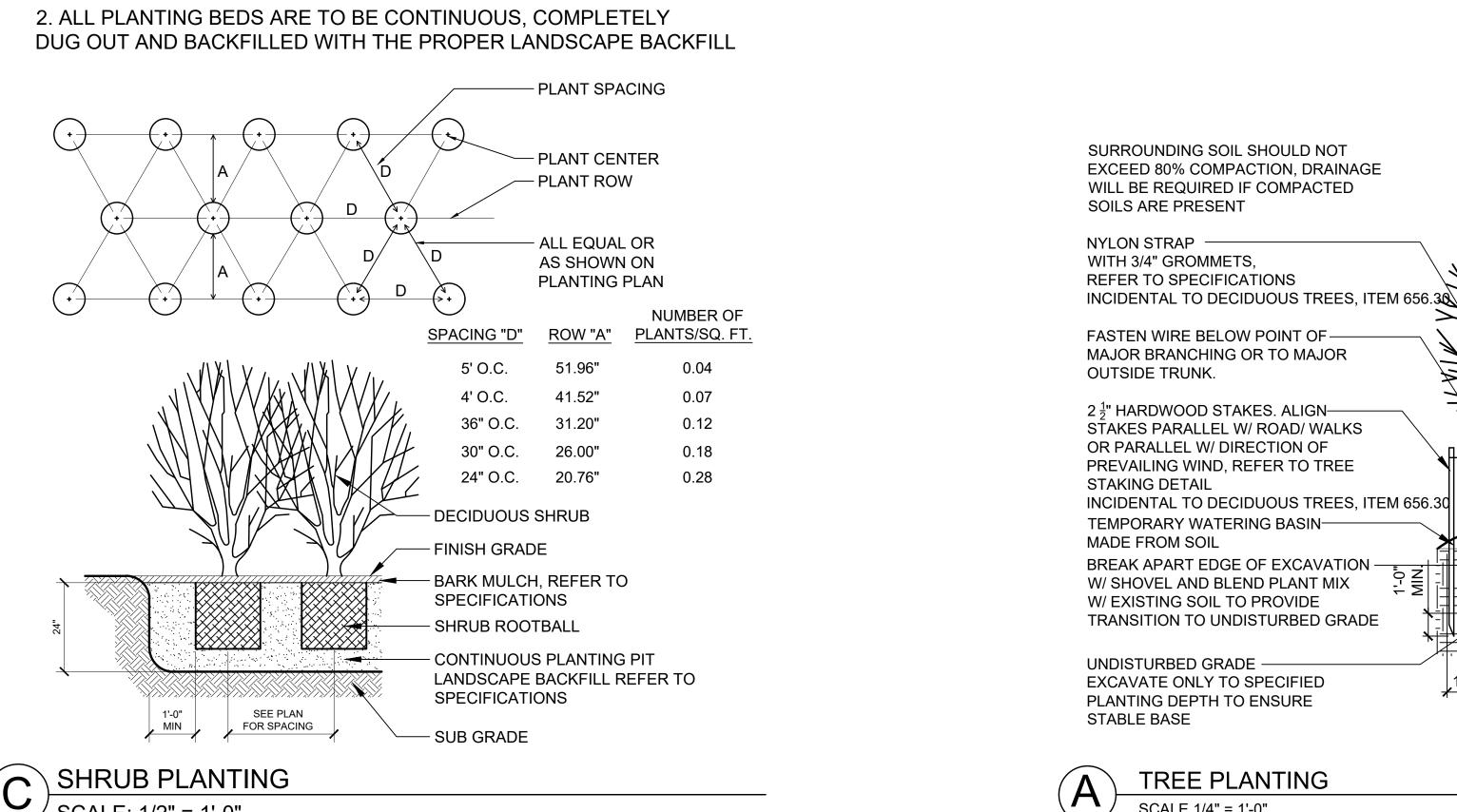


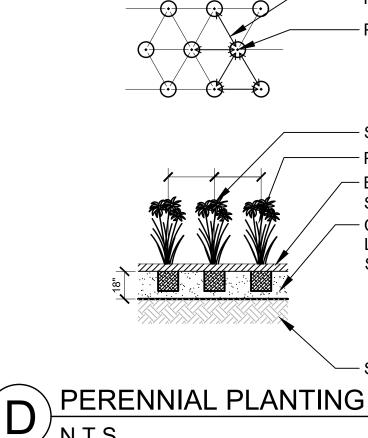




	PROJECT NUMBER	: 58109.01	
hb	FILE NAME: PROJECT LEADER: DESIGNED BY: PLANTING PLAN		PLOT DA DRAWN I CHECKEE SHEET

DATE: 04/21/2021 N BY: M.K.WILLARD KED BY:E.P.DETRICK F 29 OF 52



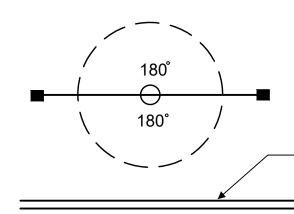


[/] N.T.S.

SCALE: 1/2" = 1'-0"

NOTES:

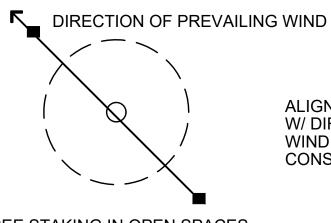
1. QUANTITY OF SHRUBS AND SPACING AS NOTED IN PLANTING SCHEDULE.



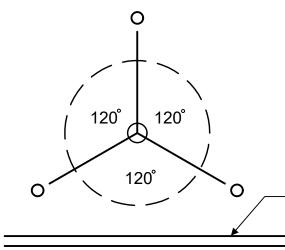
SCALE 1/4" = 1'-0"

1'-0" MIN.

A. TREE STAKING ALONG ROAD OR WALKS



B. TREE STAKING IN OPEN SPACES



C. TREE GUYING

TREE STAKING LAYOUT B NO SCALE



- PLANT SPACING



NOTES:

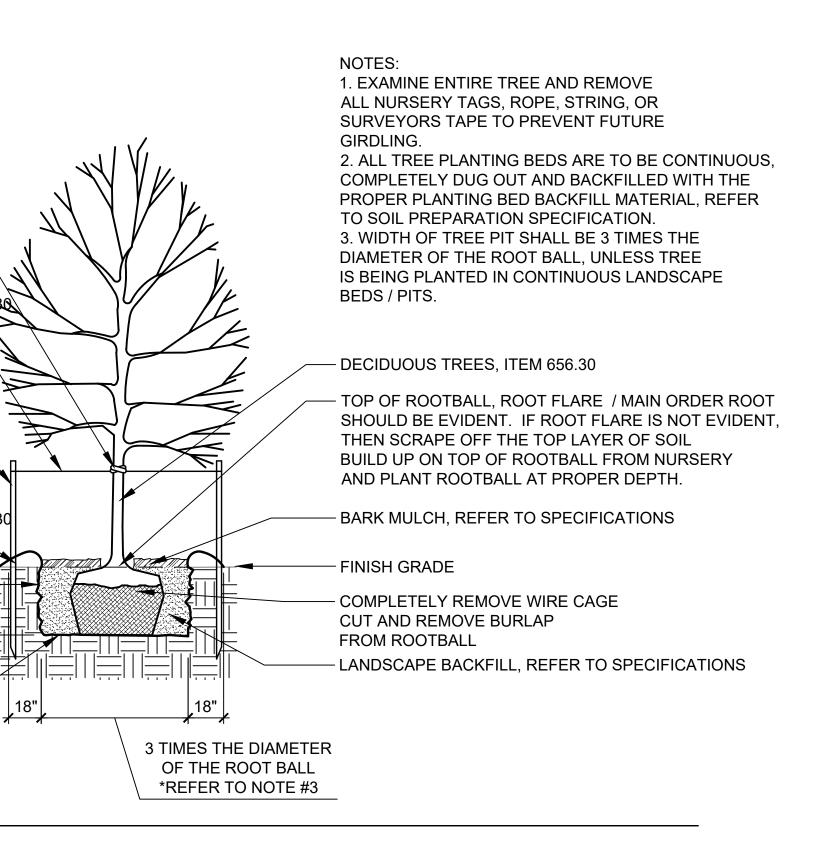
- 1. REFER TO PLANTING PLAN FOR SPACING AND QUANTITIES.
- 2. ALL PLANTING BEDS ARE TO BE CONTINUOUS, COMPLETELY DUG OUT AND BACKFILLED WITH THE PROPER PLANTING BED BACKFILL MATERIAL, REFER TO SOIL PREPARATION SPECIFICATION.

- PERENNIALS - BARK MULCH, REFER TO VTrans

SPECIFICATION 755.10 (c) CONTINUOUS PLANTING PIT LANDSCAPE BACKFILL, REFER TO SPECIFICATIONS

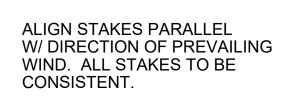
- SET AT ORIGINAL PLANTING DEPTH

- SUB GRADE



ALIGN STAKES PARALLEL W/ ROAD OR WALKS

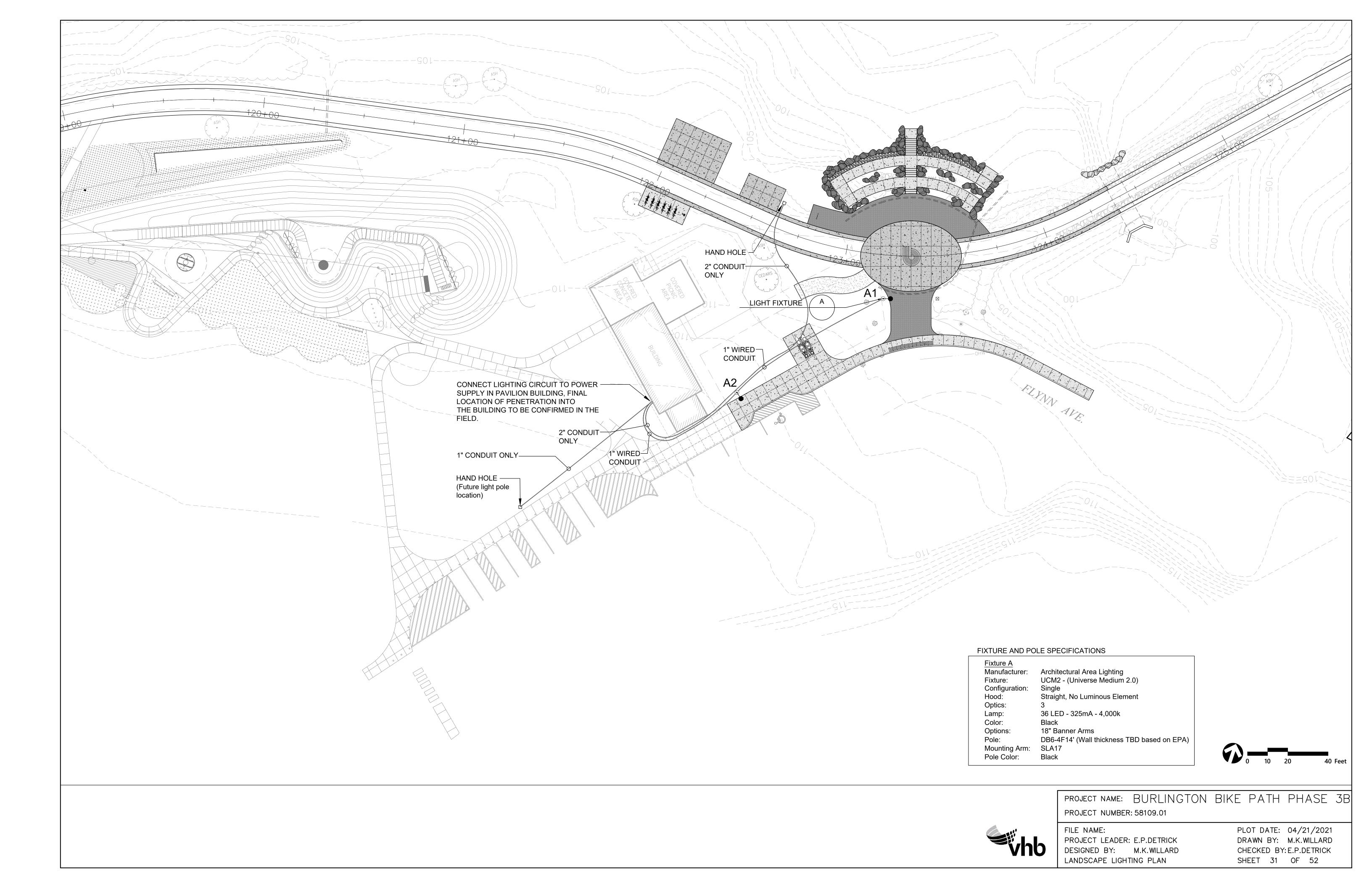
EDGE OF WALK OR CURB

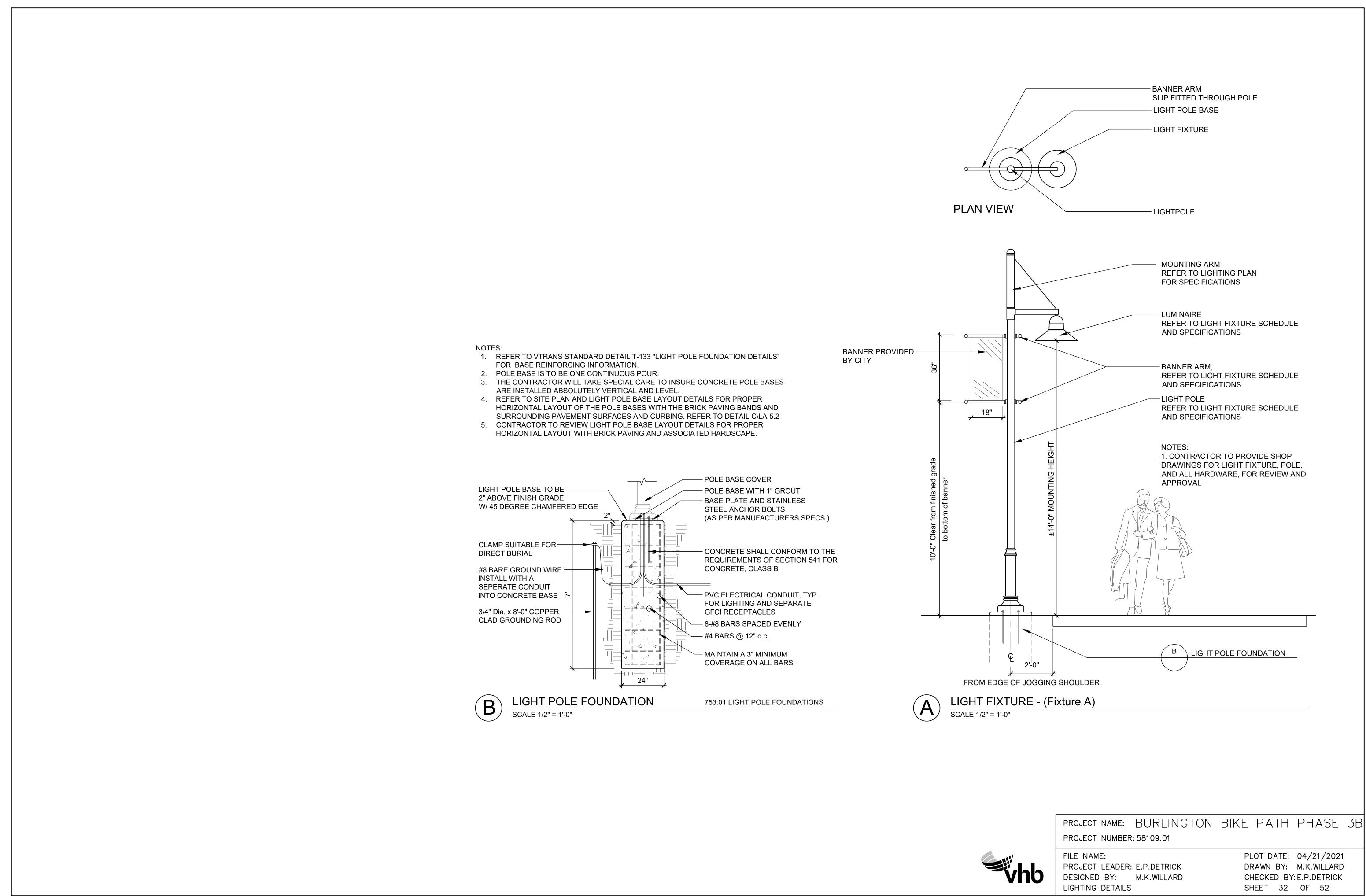


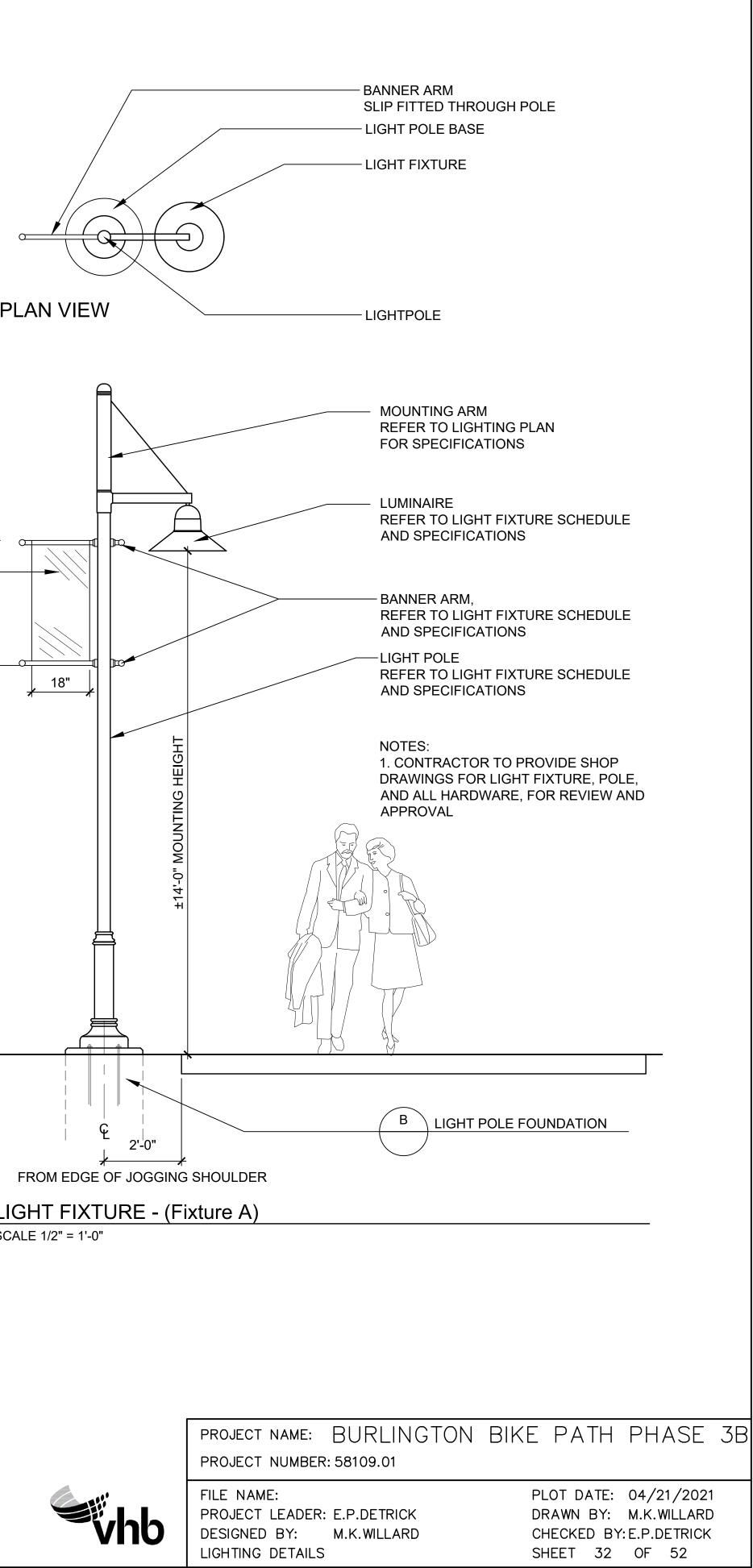
3" CALIPER TREES OR LARGER -ALIGN 2 STAKES PARALLEL W/ ROAD OR WALKS - EDGE OF WALK OR CURB



	PROJECT NAME: BURLINGT	ON BIKE PATH PHASE	3B
	PROJECT NUMBER: 58109.01		
s:*	FILE NAME:	PLOT DATE: 04/21/202	21
	PROJECT LEADER: E.P.DETRICK	DRAWN BY: M.K.WILLAR	D
vhb	DESIGNED BY: M.K.WILLARD	CHECKED BY: E.P.DETRIC	<
•	PLANTING DETAILS	SHEET 30 OF 52	

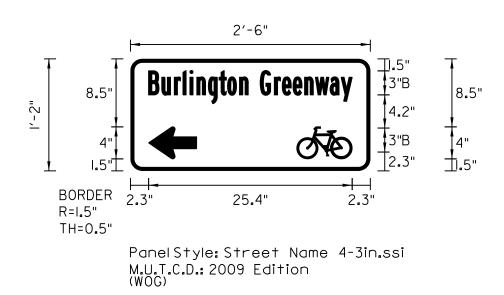






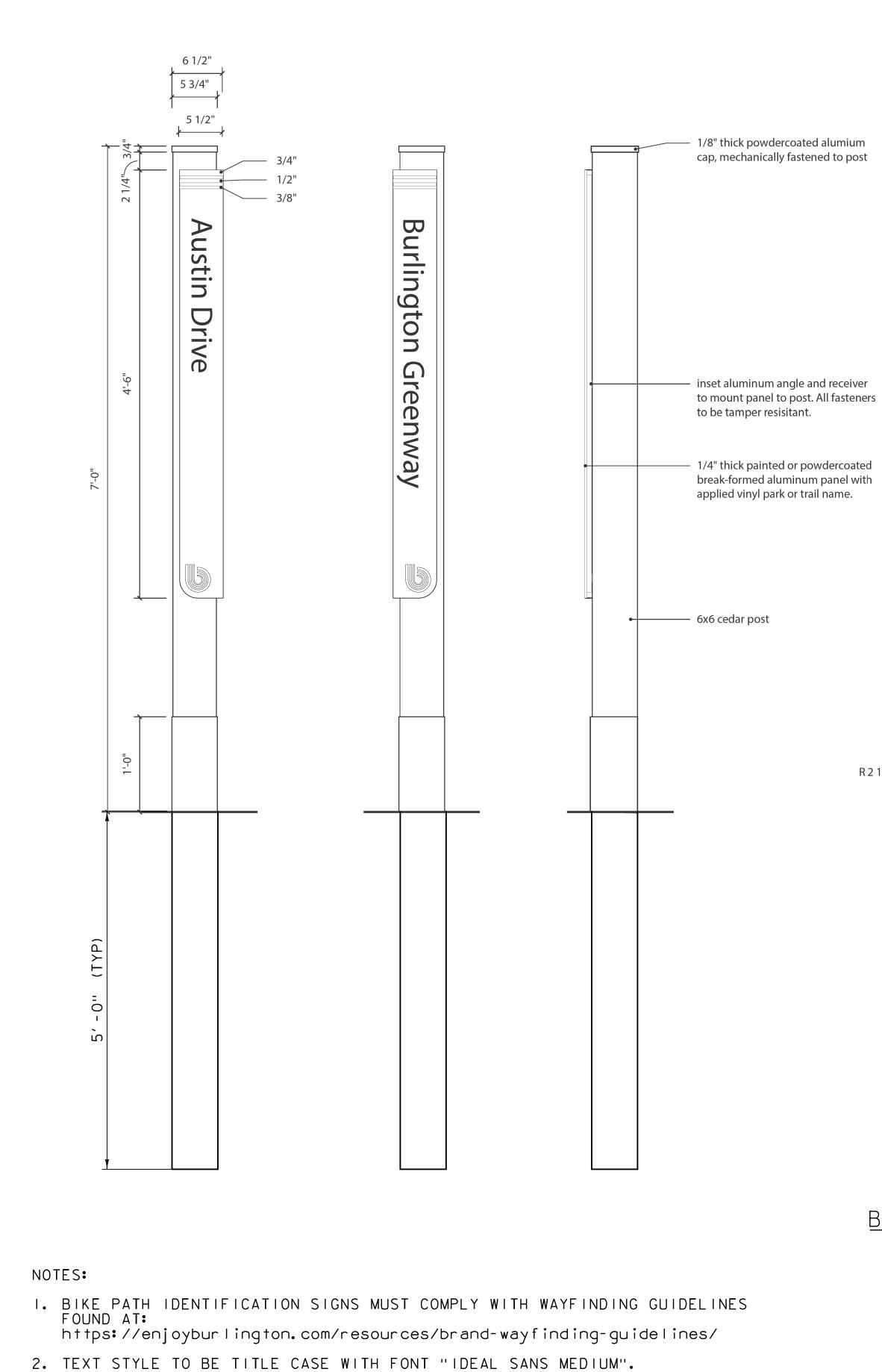
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STATION, OR SIGN NUMBER	SIGN LEGEND E A					SALV SAL SIGN TIS			1	LB/FT	١.	75 2.0 LB/FT 38 2.42	2.5	A S N L E E N E R E	3.0 4.0 LB/ I.3 I.7	0 4.0 MOD	COLLAR	TYPE I	TYPE 2	FTG.	WF	IGHT	POST SIZE	S F OU F R OU G M R E N E D	REMARKS	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
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100+21, LT	STOP	18	18	2.25								X	×												MOUNTED ON NEW POST		SHSM
AUSTIN DRIVE	Burlington Greenway	30	14	2.92								X+	×	<											MOUNTED ON NEW POST	TH I S SHEE T	
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IN THE FIELD. PO	GTHS ARE TO BE DETERMINED DST SIZES ARE COMPUTED MATION FURNISHED ON THE									FT F		T FT 25	FT	EA										BOW GOW	= BLACK LEGEND ON YELLOW BACKGROUN = BLACK LEGEND ON WHITE BACKGROUND = GREEN LEGEND ON WHITE BACKGROUND = RED LEGEND ON WHITE BACKGROUND -	- PLAQUE - PLAQUE	
	S AND THE ROADWAY, TRAFFIC & S "SIGN POST DESIGN GUIDELINE."		ALS		SF I	EA. SF				FΤ			F T 25		L	В	EA.	WOOD F	POSTS (FT) EA.	EA. I	B		WOB WOG FYG	<pre>= WHITE LEGEND ON BLUE BACKGROUND = WHITE LEGEND ON GREEN BACKGROUND = BLACK LEGEND ON FLUORESCENT YELL # = FHWA STANDARD HIGHWAY SIGNS AND (WITH 2012 SUPPLEMENT)</pre>	- PLAQUE OW-GREEN BACK	

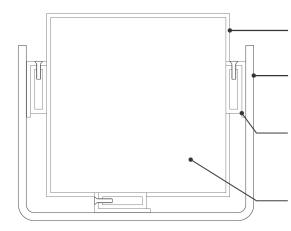
POST LENGTH AVERAGES IO FEET POST LENGTH WITH '+' AVERAGES 15 FEET





	PROJECT NAME:	BURLINGTON	BIKE P	ATH	PHASE	3B
	PROJECT NUMBER:	58109.01				
	FILE NAME: 58109†s PROJECT LEADER: E	•			4/23/2021 C.K. FORD	
C	DESIGNED BY: (C.K. FORD	CHECK	ED BY:	E.P. DETRICK	
	TRAFFIC SIGN SUMM	IARY SHEEI	SHEET	33	OF 52	

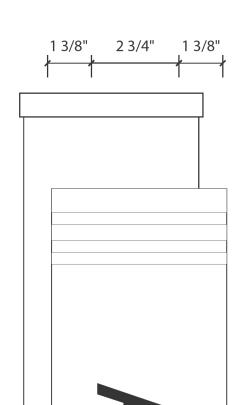


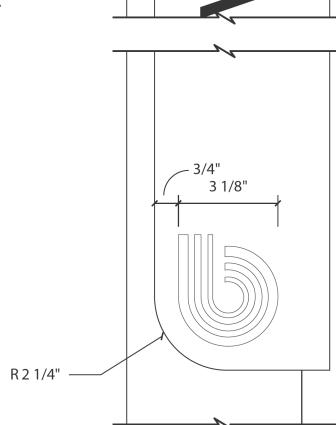


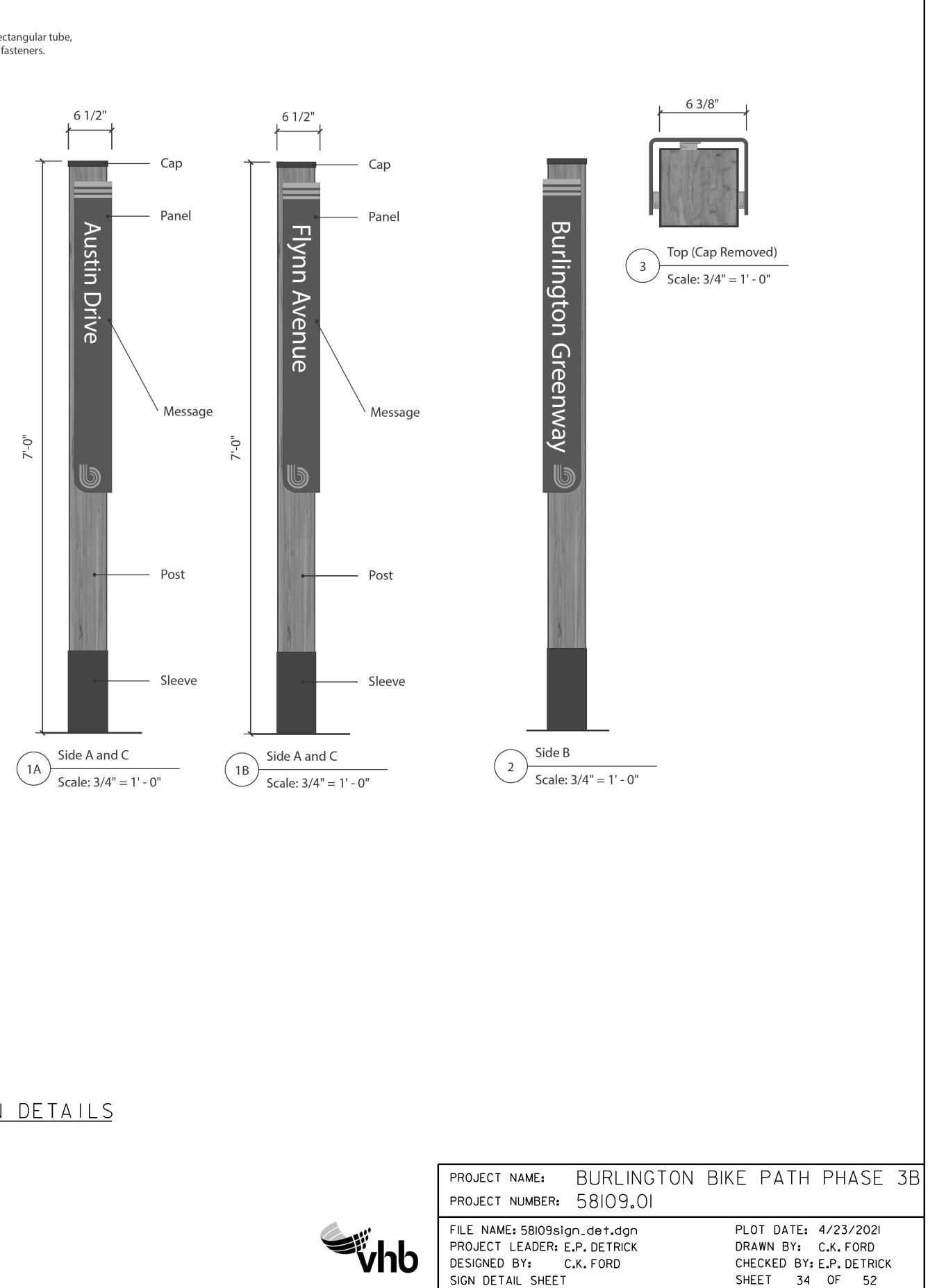
1/8" thick oxidized steel sleeve

1/4" break-formed aluminum panel with applied graphics

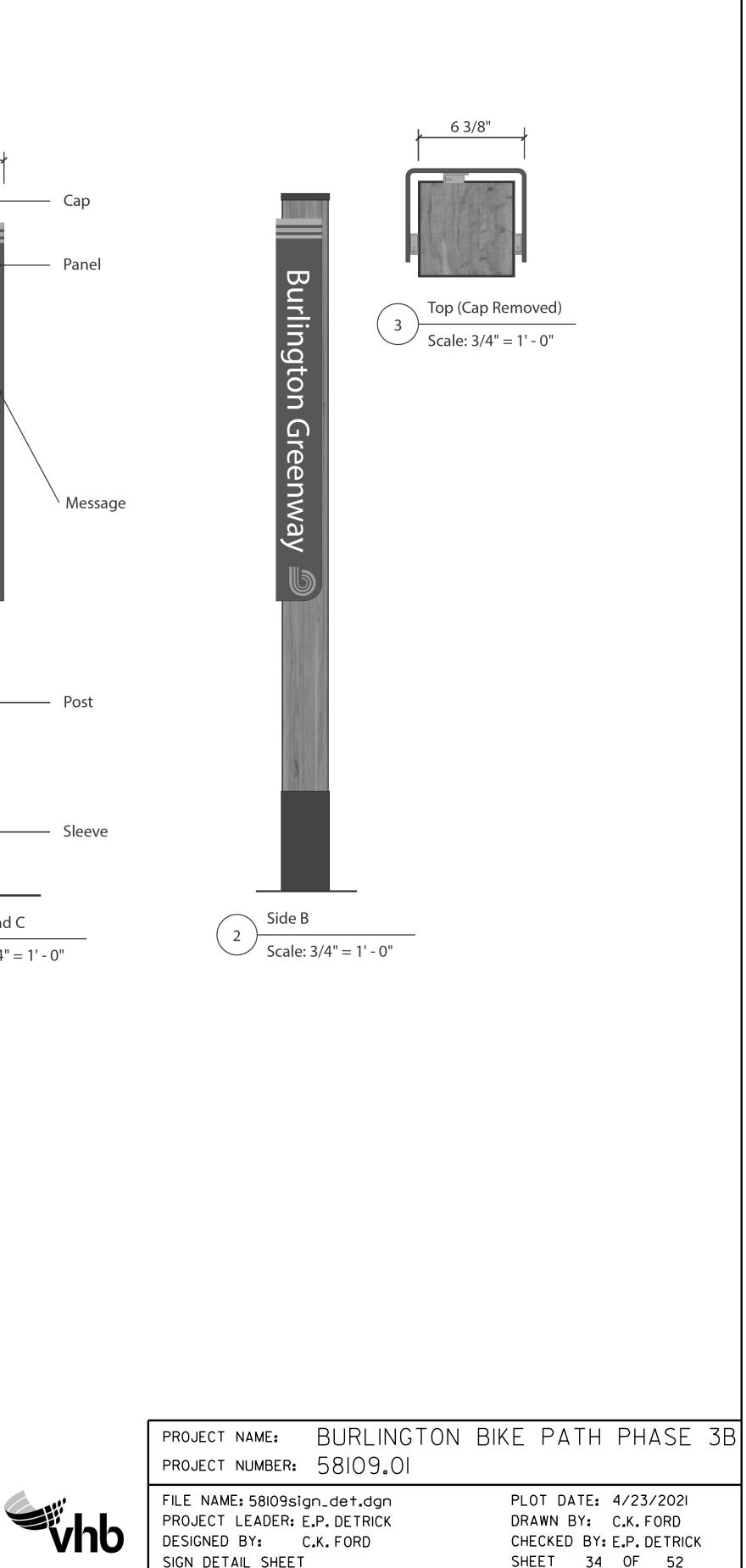
> - mounting hardware consisting of 5/8" x 1.5" x 1/8" angle, 1/2" x 1" rectangular tube, and temper resistand mechanical fasteners. - cedar post

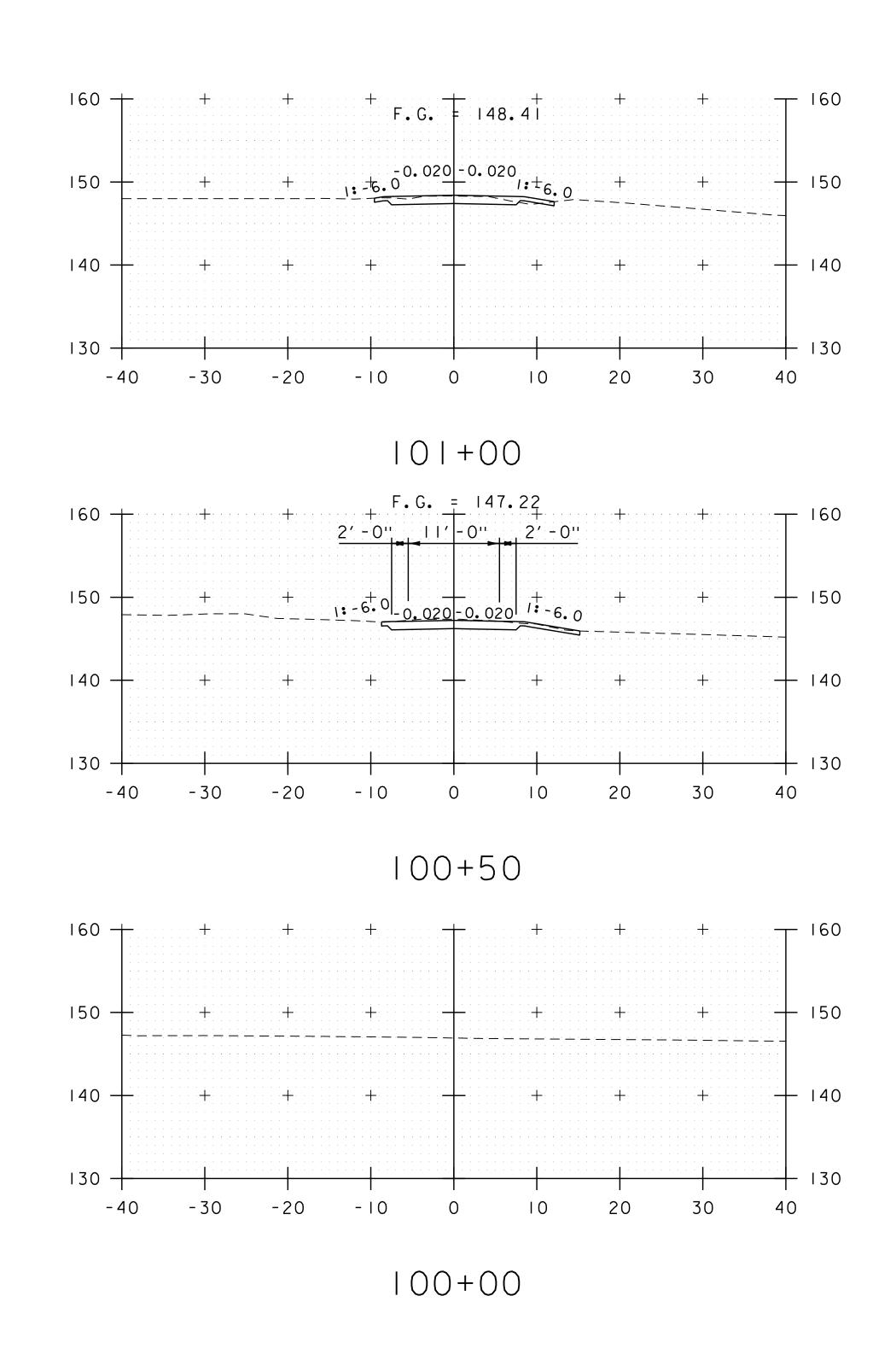


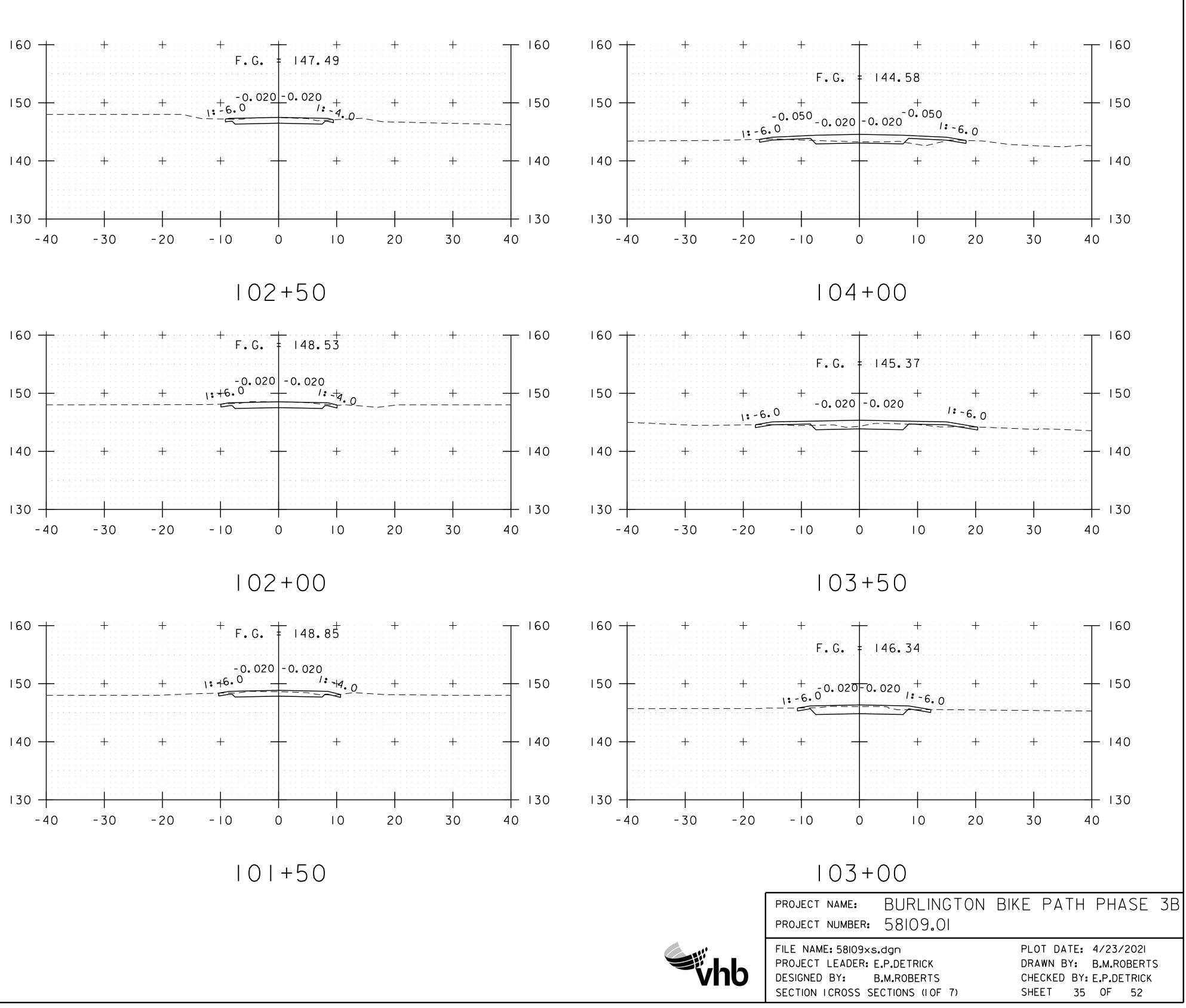


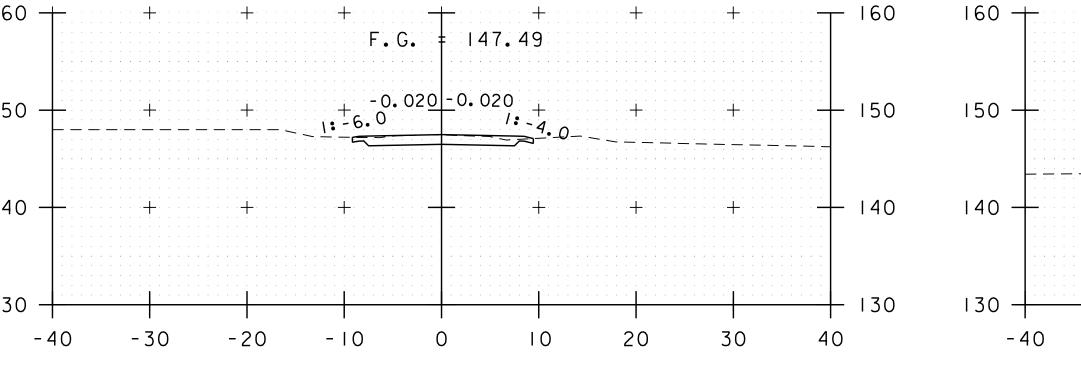


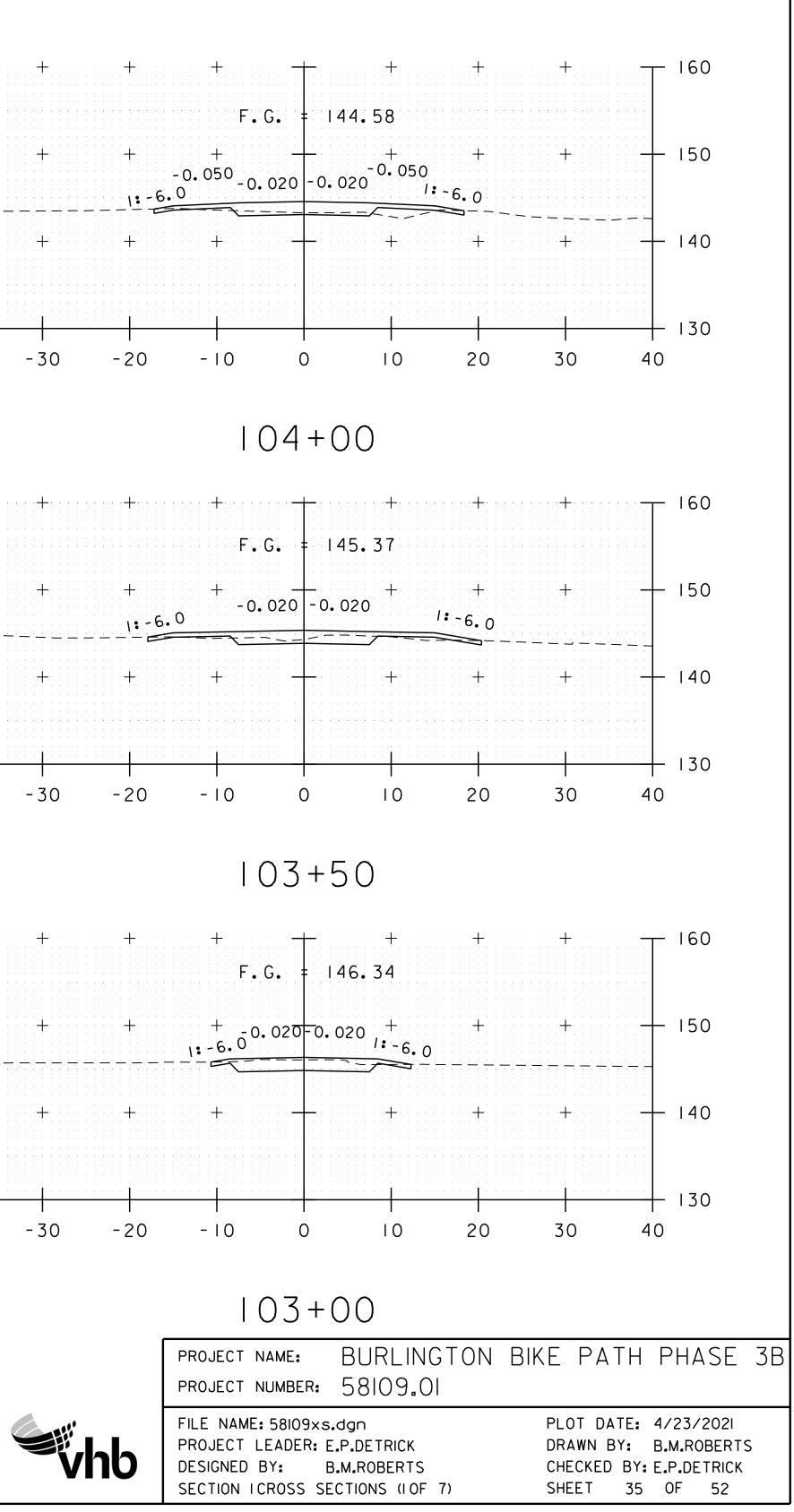
BIKE PATH IDENTIFICATION SIGN DETAILS NOT TO SCALE

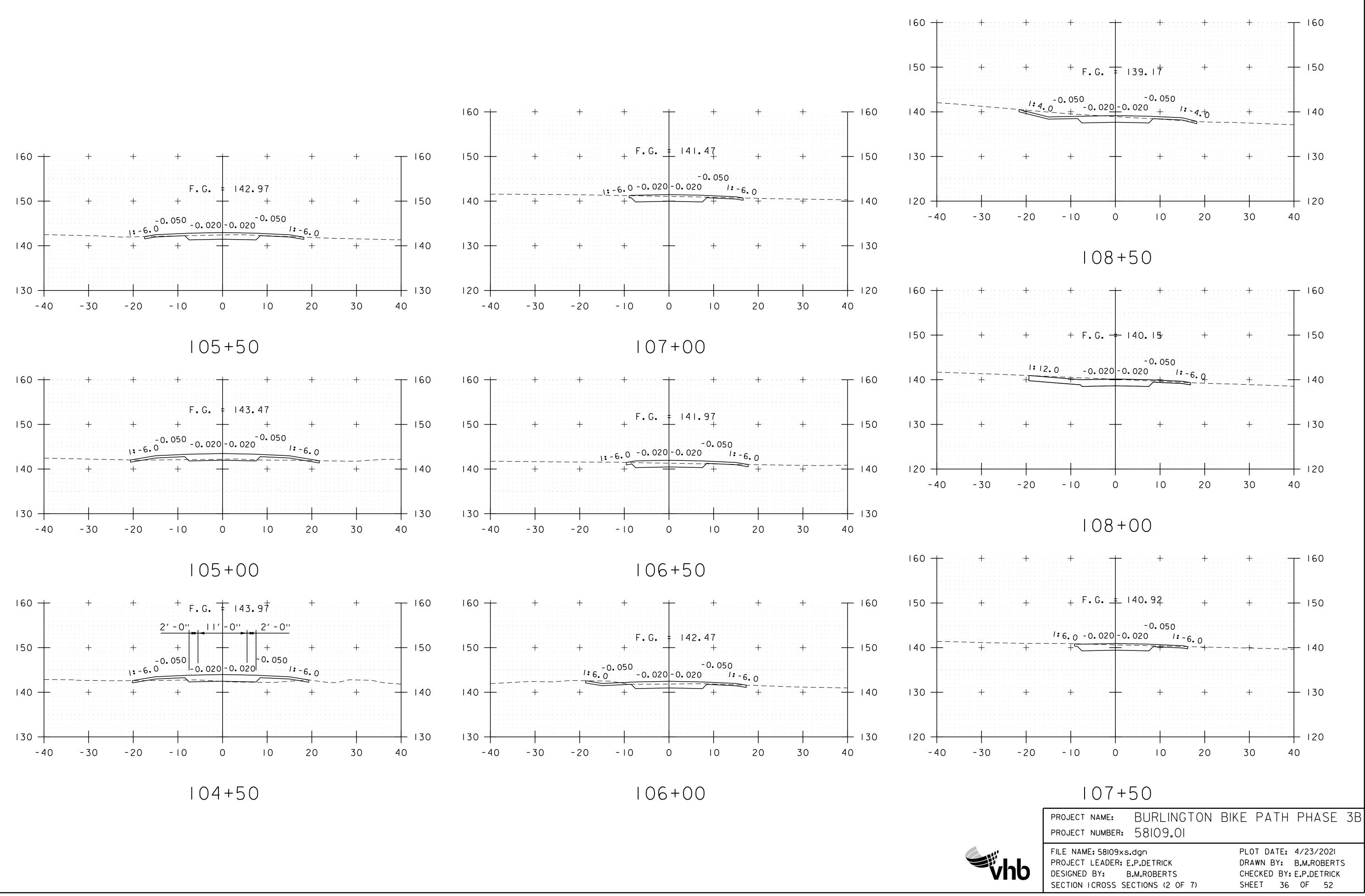


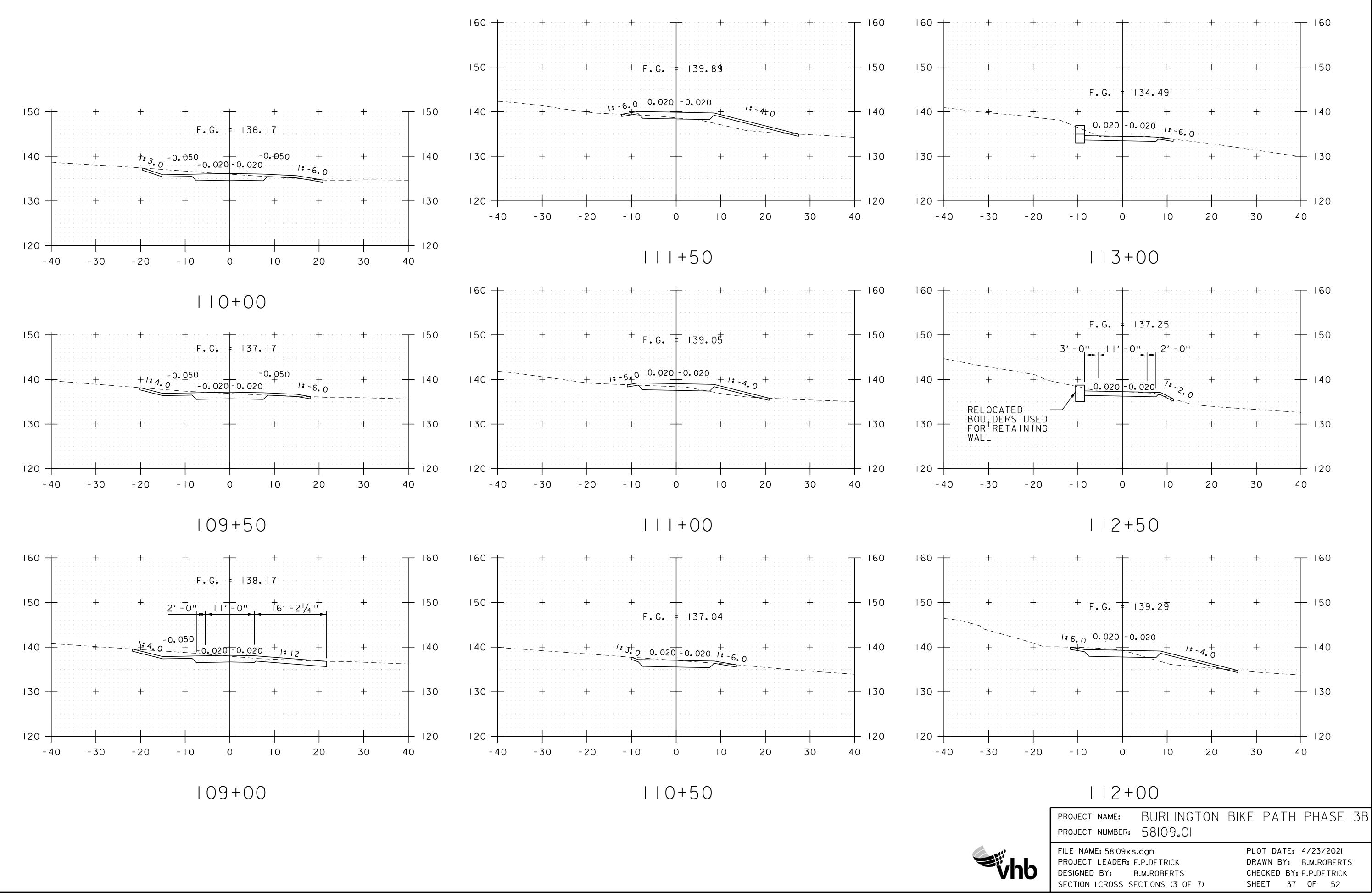


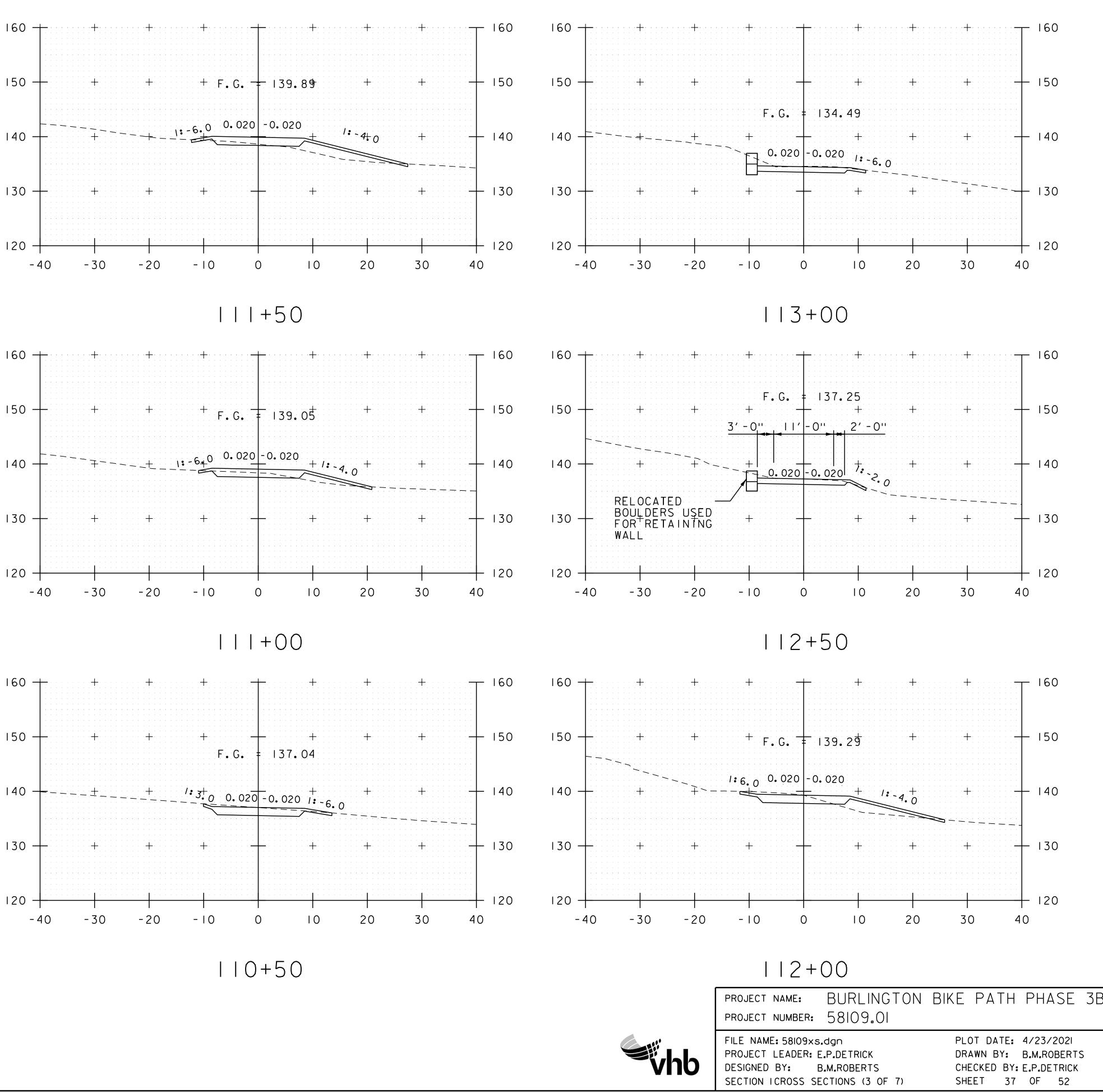


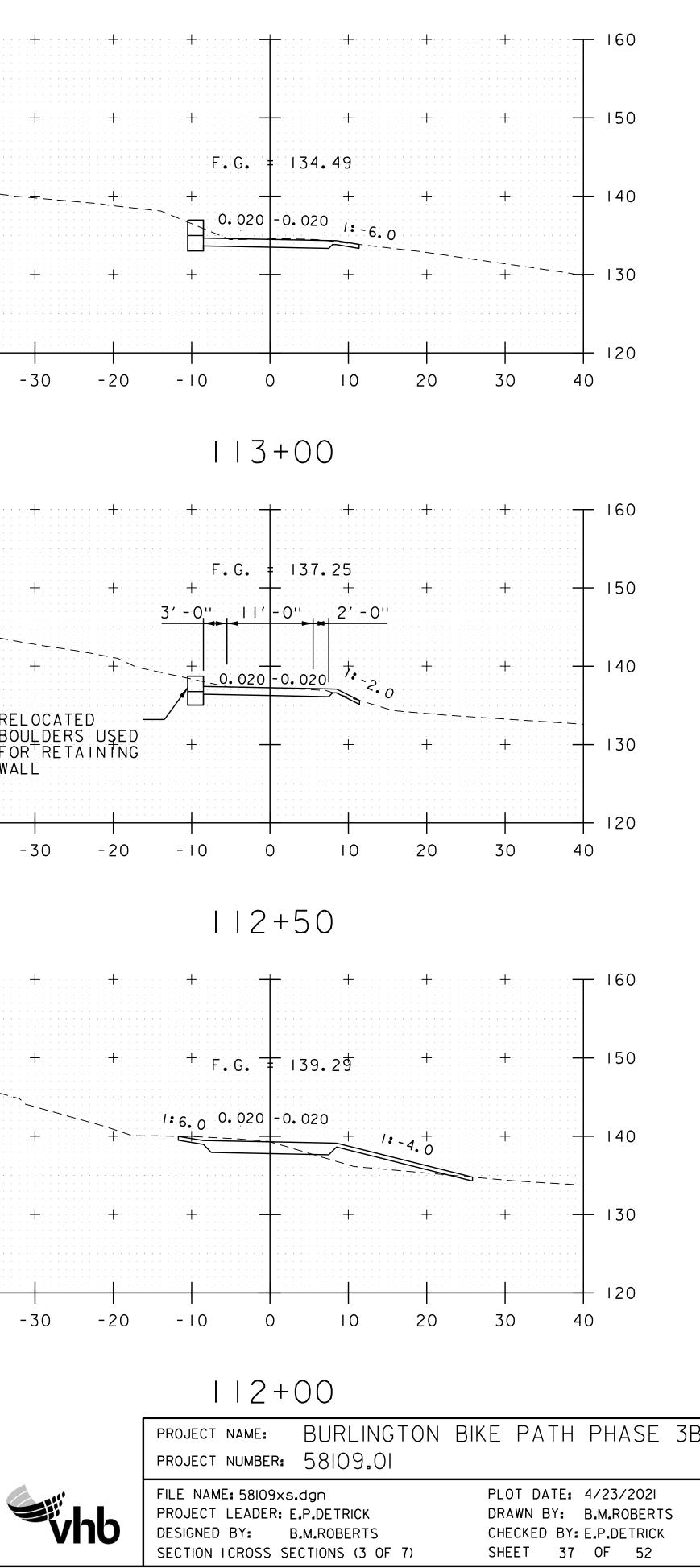


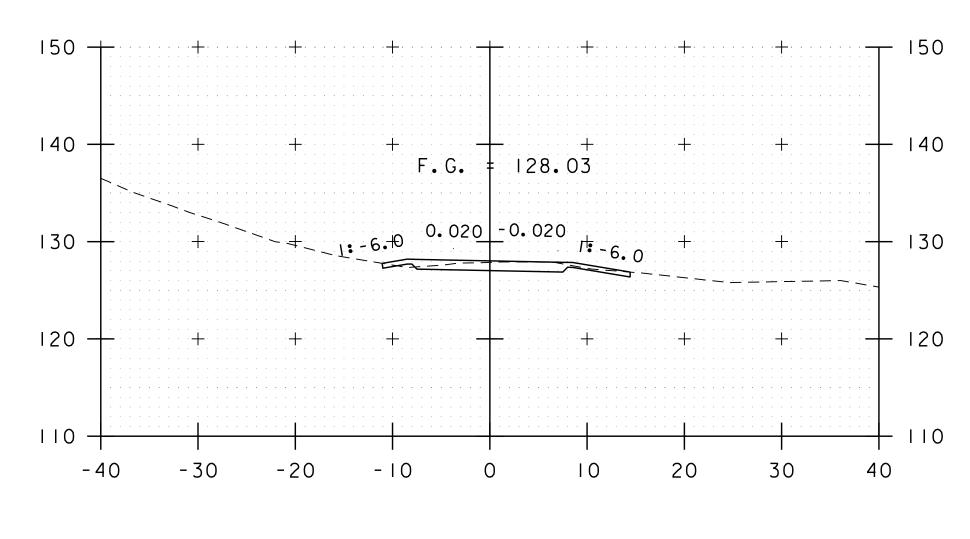




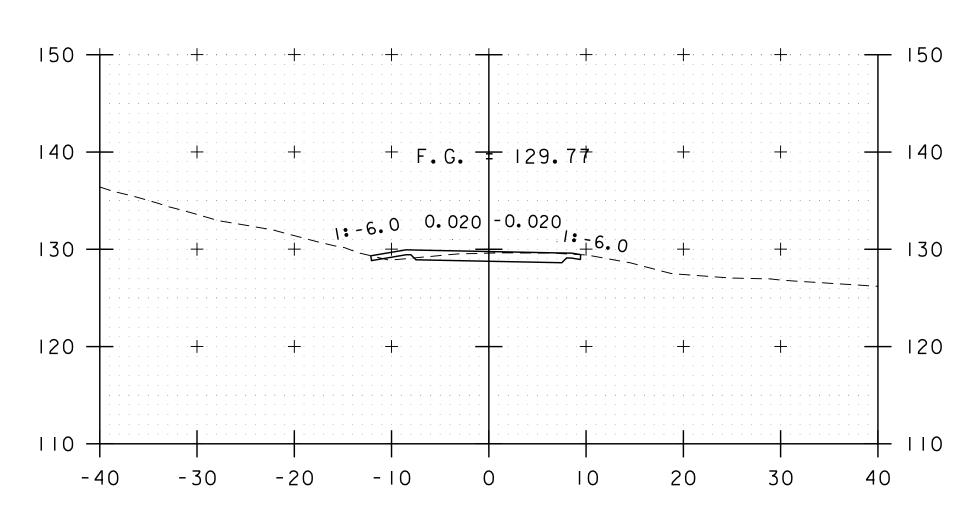




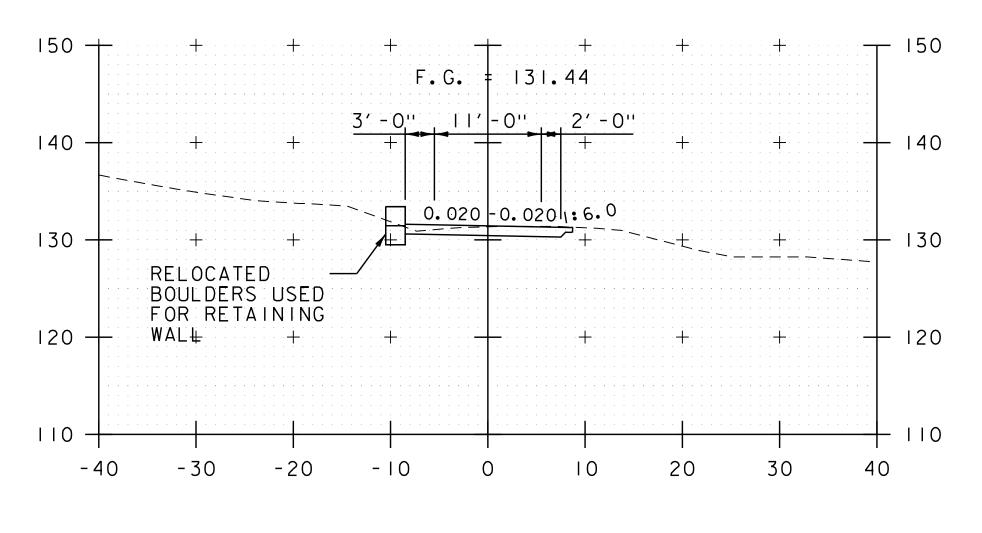




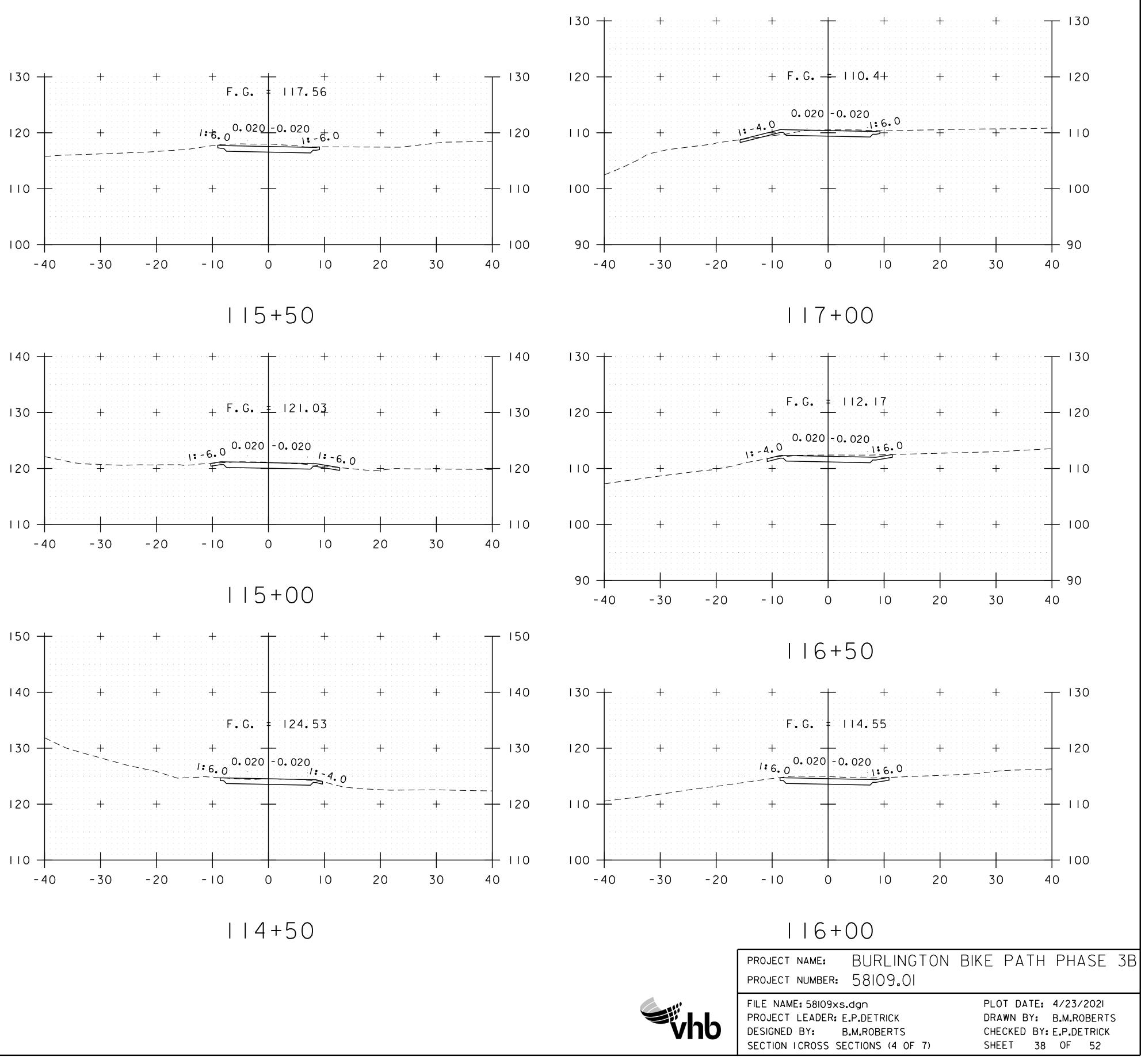
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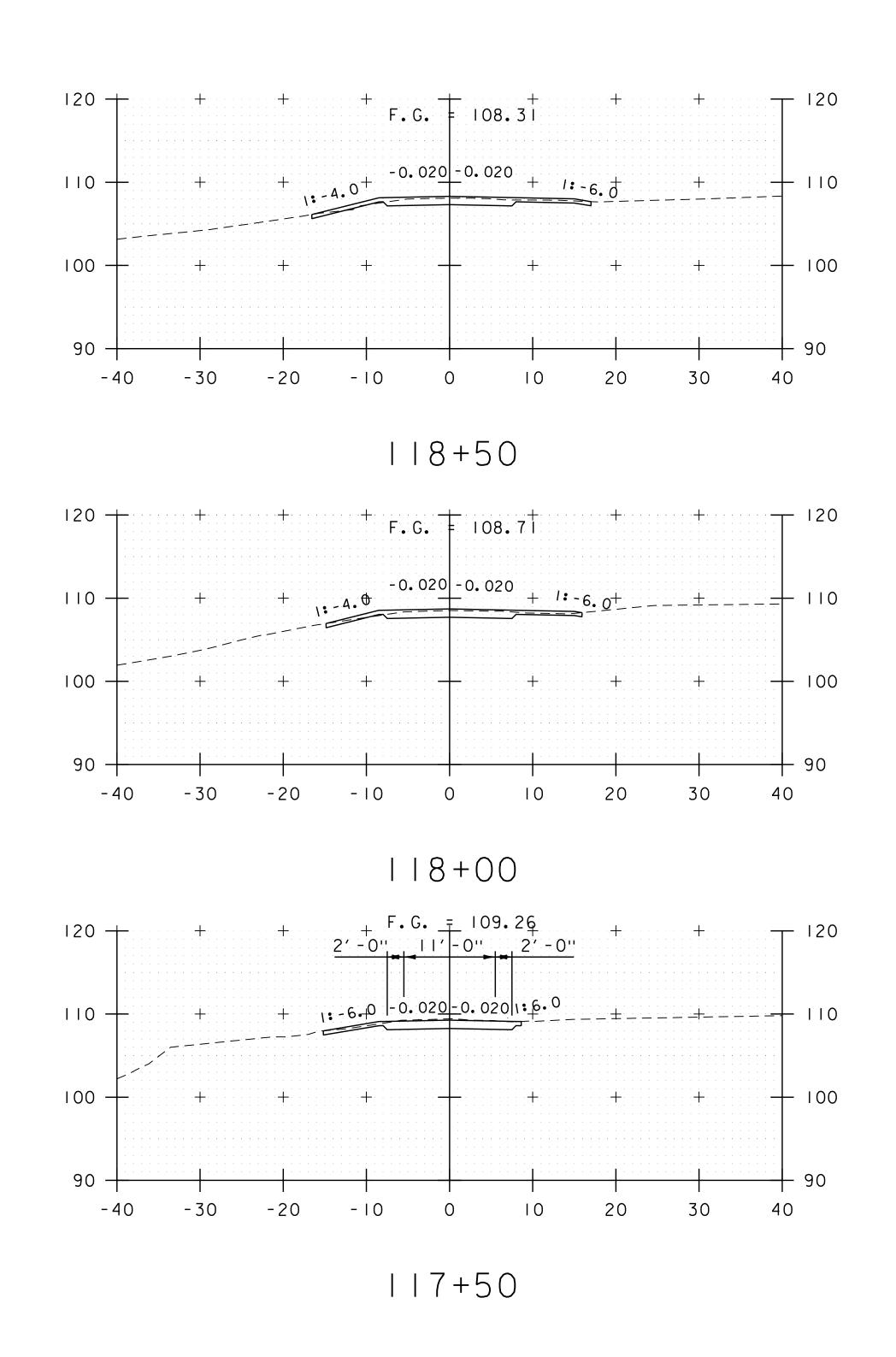


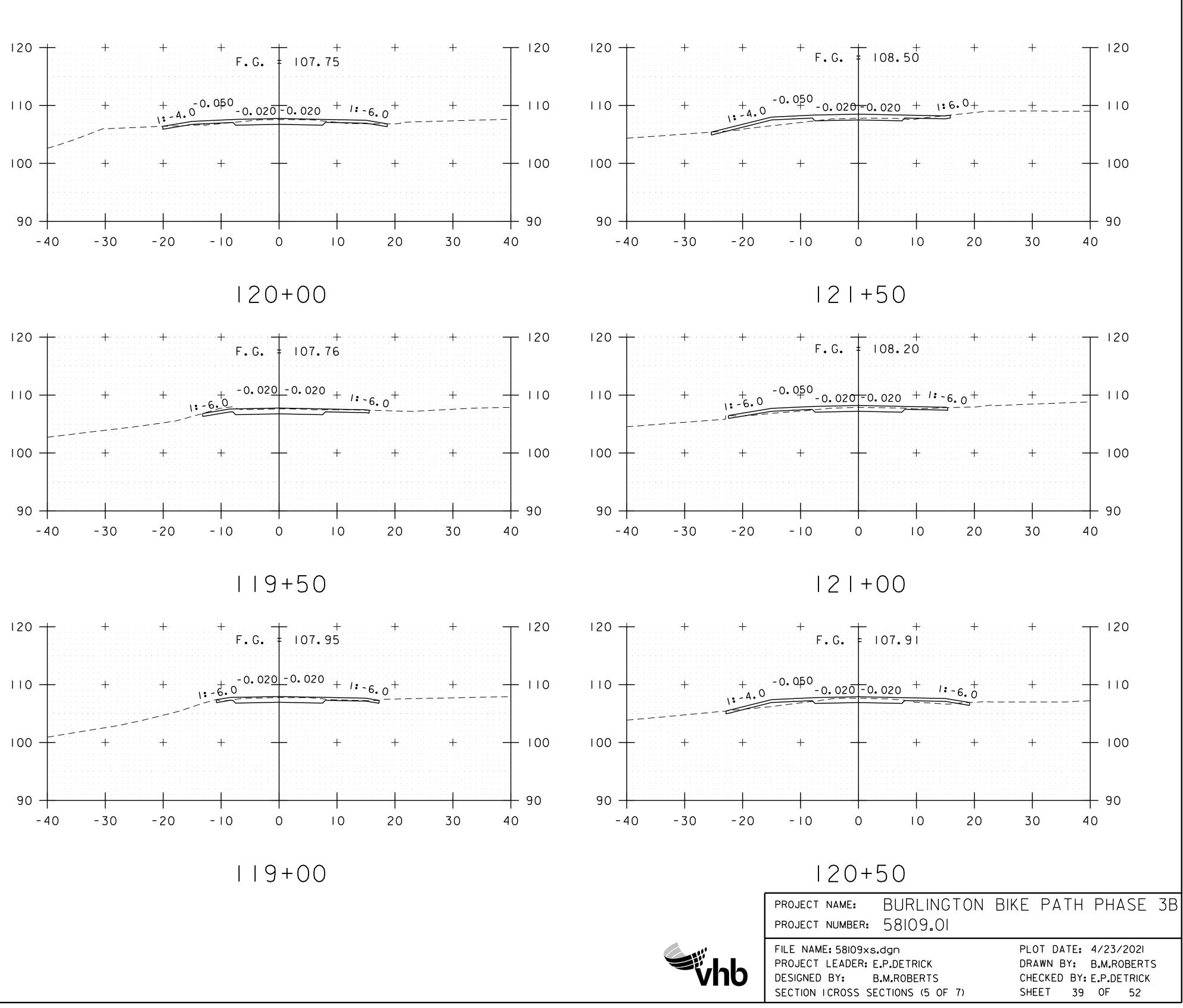
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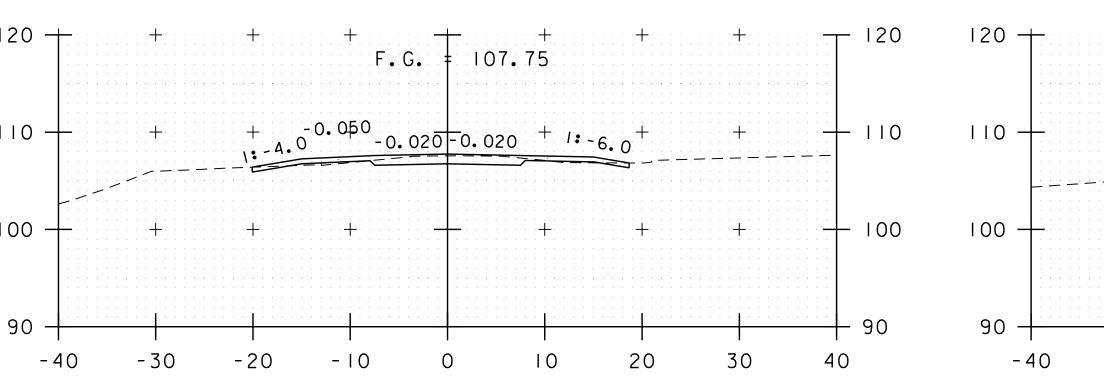


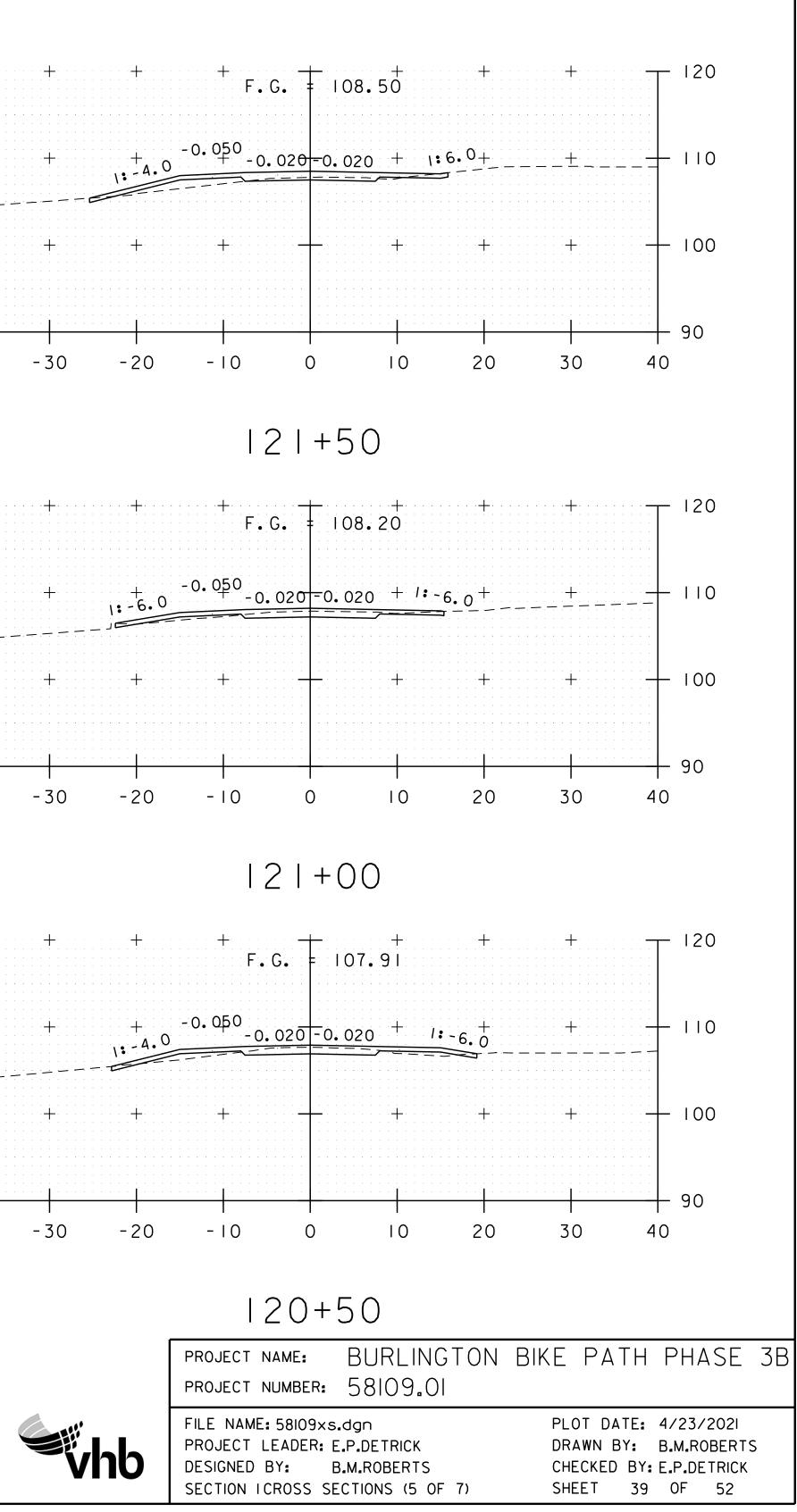
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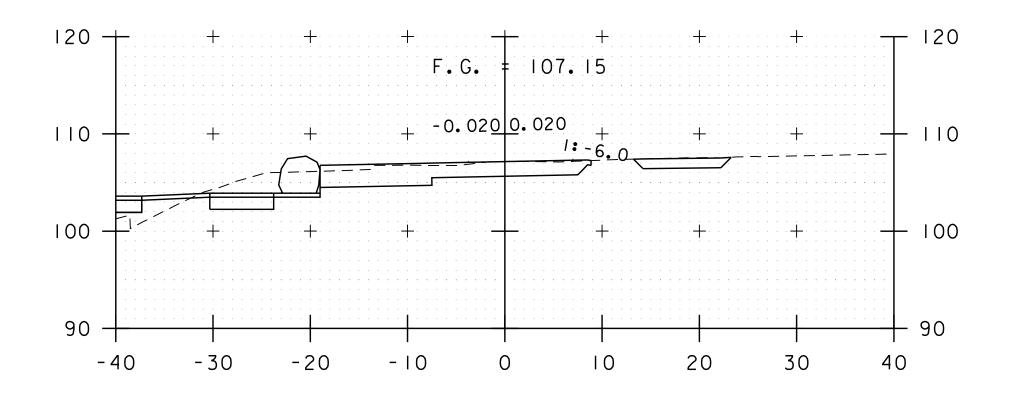


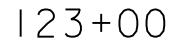


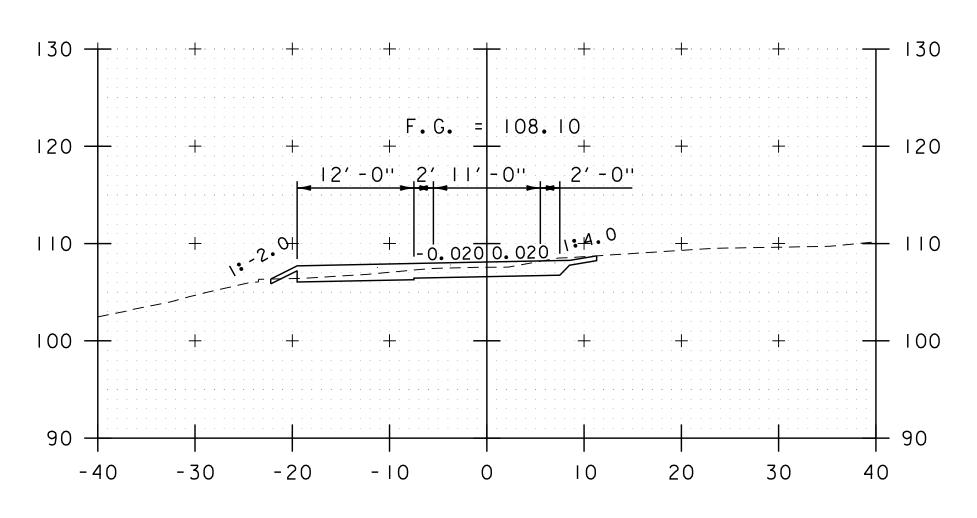




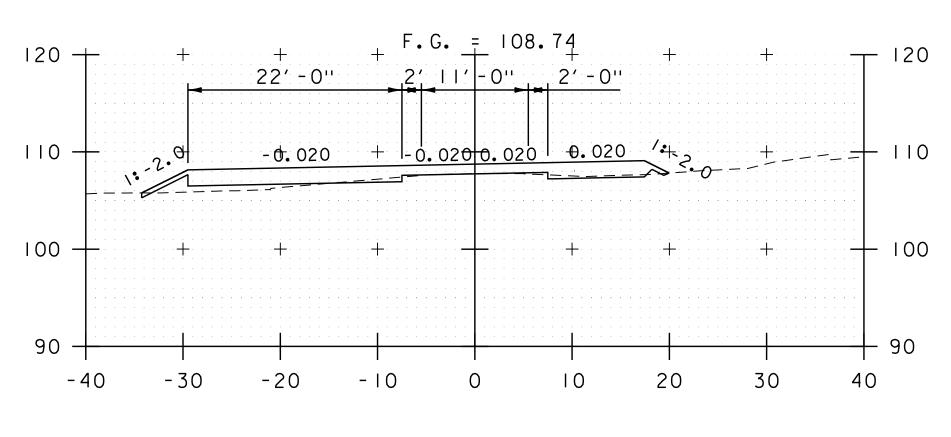




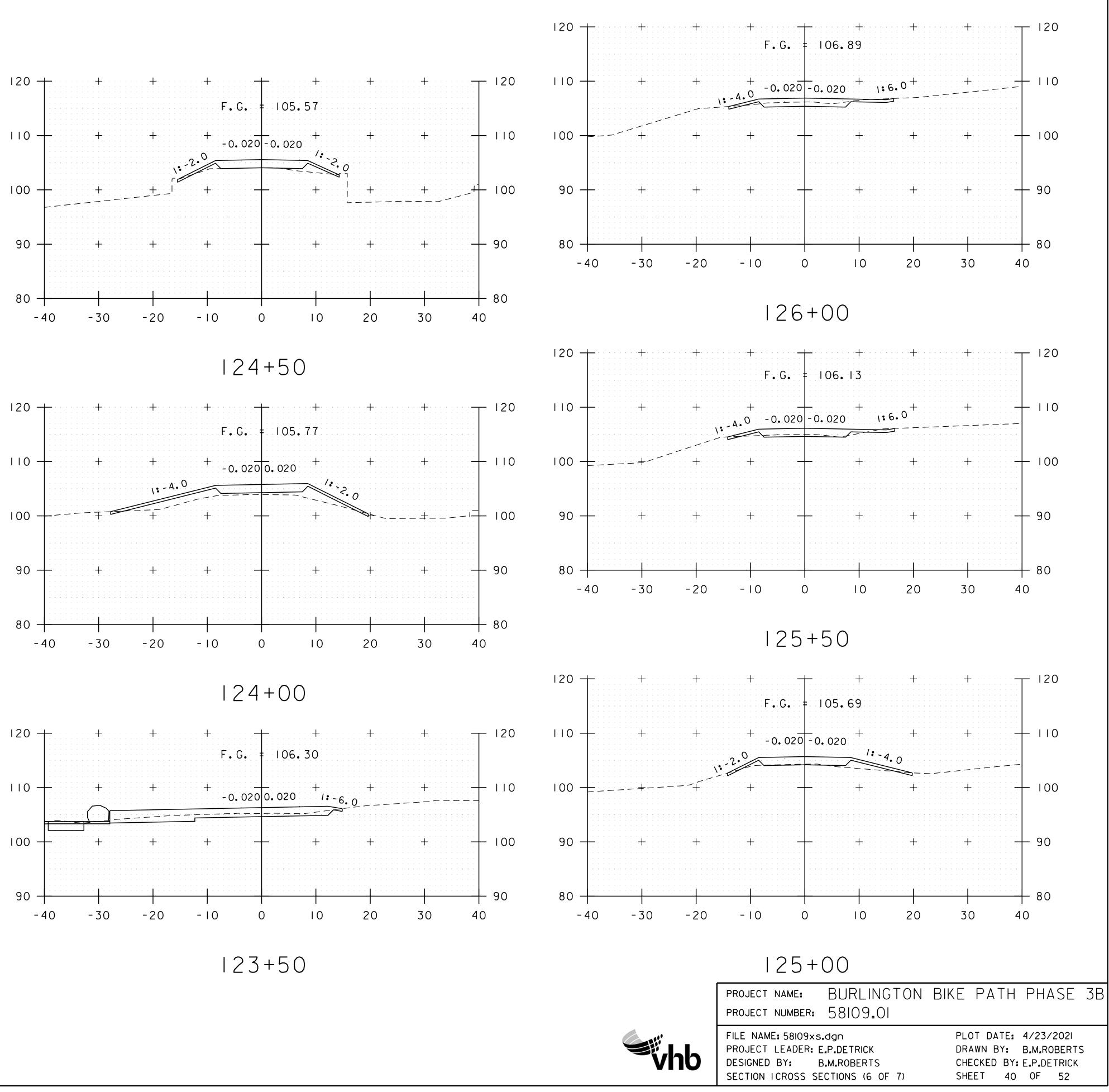


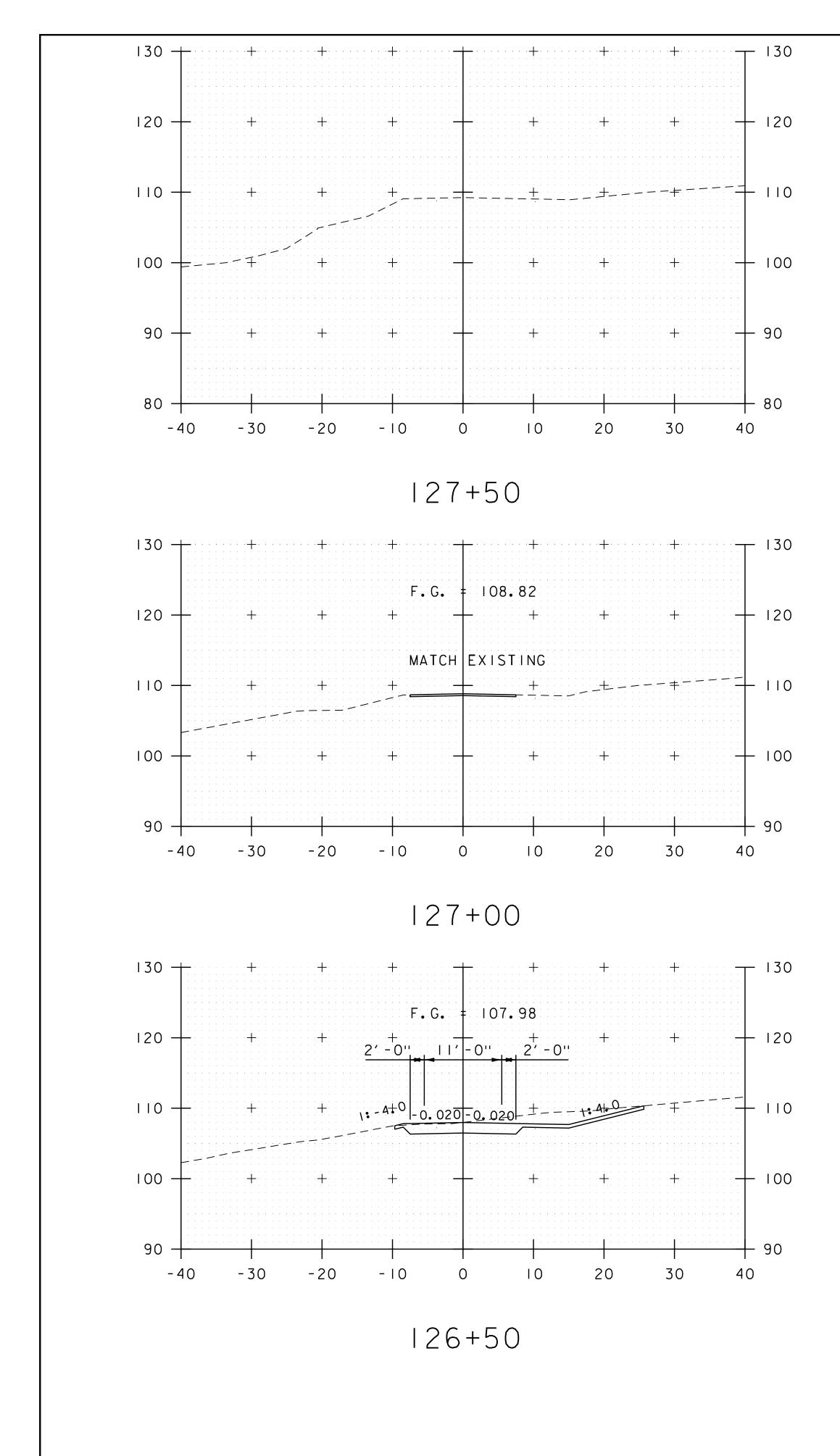


122+50



|22+00







	PROJECT NAME:	BURLINGTON	BIKE	PATH	PHASE	3B	
	PROJECT NUMBER:	58109.01					
	FILE NAME: 58109×s	•	PLOT DATE: 4/23/2021				
	PROJECT LEADER: E	P.DETRICK	DRA	WN BY:	B.M.ROBERTS	S	
)	DESIGNED BY: E	3.M.ROBERTS	CHE	CKED BY:	E.P.DETRICK		
-	SECTION I CROSS SE	CTIONS (7 OF 7)	SHE	ET 41	OF 52		

EROSION CONTROL NARRATIVE	
EROSION CONTROL NARRATIVE	
1. PROJECT DESCRIPTION	DRAINA
THIS PROJECT INVOLVES THE REMOVAL OF EXISTING PAVEMENT ON THE BURLINGTON BIKE PATH	AREA
BETWEEN AUSTIN DRIVE AND BLANCHARD BEACH; THE WIDENING AND REPAVING OF THE PATH;	
INSTALLATION OF PAVEMENT MARKINGS, SIGNS, AND CONCRETE SIDEWALK RAMPS; THE	
RECONFIGURATION OF THE FLYNN AVENUE INTERSECTION; THE CONSTRUCTION OF STORMWATER	
DISCONNECTION TREATMENT AREAS; AND THE CONSTRUCTION OF A UNIVERSALLY ACCESSIBLE	
PLAYGROUND.	1
2. AREA OF TOTAL DISTURBANCE AS SHOWN ON THE ATTACHED EPSC PLAN THE TOTAL PROJECT AREA OF DISTURBANCE IS	
AS SHOWN ON THE ATTACHED EPSC PLAN THE TOTAL PROJECT AREA OF DISTORBANCE IS APPROXIMATELY 4.23 ACRES.	
AFTROAMATEET 1.25 ACRES.	7. WASTE,
THE AREA OF DISTURBANCE INCLUDES LIMITS OF EARTH DISTURBANCE WITHIN THE PROJECT AREA. A	A SPE
SPECIFIC STAGING AREA IS NOT ANTICIPATED FOR THIS PROJECT. STAGING IS ANTICIPATED TO OCCUR	OCCU
WITHIN PERMITTED PROJECT LIMITS BASED ON THE CURRENT PHASE OF CONSTRUCTION. THE PROJECT	 WAST
LIMITS ARE SHOWN ON THE ATTACHED EPSC PLAN.	SITE L
ACCORDING TO THE APPENDIX A RISK ASSESSMENT, THIS PROJECT REQUIRES COVERAGE UNDER GENERAL	ORDIN
PERMIT 3-9020 FOR STORMWATER RUNOFF FROM CONSTRUCTION SITES FOR MODERATE RISK PROJECTS.	FOR V
	105.2
SUPPORT ACTIVITIES OUTSIDE THE APPROVED PROJECT BOUNDARIES (I.E., WASTE OR BORROW AREAS,	
STAGING AREAS) ARE NOT INCLUDED IN THE TOTAL ABOVE AND, IF REQUIRED, SHALL OBTAIN COVERAGE	LOCA
BY AMENDING THE PERMIT OR BY OBTAINING COVERAGE UNDER A DIFFERENT PERMIT.	NECES ENTER
3. SEQUENCE OF MAJOR PROJECT COMPONENTS THE CONTRACTOR(S) SHALL SEQUENCE CONSTRUCTION ACTIVITIES TO MINIMIZE, TO THE GREATEST	 DISPO
EXTENT POSSIBLE, DISTURBED SOIL LEFT OPEN TO EROSION AT ANY GIVEN TIME. TOTAL EARTH	FEET
DISTURBANCE AT ANY ONE TIME SHALL BE LIMITED TO 2 ACRES OR LESS.	
	 VEHIC
THE AREA OF DISTURBANCE INCLUDES APPROXIMATELY 2.90 ACRES ASSOCIATED WITH THE BIKE PATH	OTHE
AND FLYNN AVENUE INTERSECTION COMPONENTS OF THE PROJECT AND 1.33 ACRES ASSOCIATED WITH	FOLLO
THE PLAYGROUND COMPONENT OF THE PROJECT. THESE COMPONENTS MAY BE CONSTRUCTED	FROM RAKEI
CONCURRENTLY WITH EACH OTHER BUT THE CONTRACTOR(S) MUST COORDINATE WITH THE RESIDENT ENGINEER TO ENSURE THAT THE OVERALL PROJECT LIMIT IS NOT EXCEEDED DURING THE COURSE OF	NANLI
THE PROJECT.	• EROD
	SILT F
ALL EARTH DISTURBANCE SHALL BE TEMPORARILY STABILIZED WITHIN 14 CALENDAR DAYS. IT IS	SEEDE
ANTICIPATED THAT THIS PROJECT WILL LAST TWO CONSTRUCTION SEASONS ALTHOUGH THE WORK IS	
NOT ANTICIPATED TO BE CONTINUOUS OVER THAT PERIOD.	8. WINTER
4. STABILIZATION OF EXPOSED SOILS	IN THE
THE MAXIMUM AREA OF CONCURRENT EARTH DISTURBANCE IS 2 ACRES, WHILE IMPLEMENTING THE	(OCTOB
PERMITTED EPSC PLAN TO MINIMIZE POTENTIAL FOR EROSION AND SEDIMENT TRANSPORT ASSOCIATED	SHALL F
WITH OPEN AREAS. THE TOTAL DURATION OF EXPOSED SOIL WILL BE 14 DAYS FROM INITIAL	CONDIT
DISTURBANCE, WHILE IMPLEMENTING THE PERMITTED EPSC PLAN TO TEMPORARILY OR PERMANENTLY	
STABILIZE AREAS AS SOON AS PRACTICABLE.	ENLAF
 SEED AND MULCH WILL BE USED FOR BOTH PERMANENT AND TEMPORARY STABILIZATION MEASURES. ROLLED EROSION CONTROL PRODUCT (RECP) WILL BE USED IN PLACE OF MULCH FOR SLOPES GREATER 	 DEVEL ADE
THAN 1V:3H. MULCH IS TO BE APPLIED AT A MINIMUM APPLICATION RATE SHOWN IN TURF	■ STC
ESTABLISHMENT DETAIL, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.	STO
	• A MIN
 DISTURBED AREAS AND SOIL STOCKPILES THAT WILL NOT BE WORKED FOR MORE THAN 7 DAYS SHALL 	• IN AR
BE TEMPORARILY STABILIZED WITH SEED AND MULCH/RECP WITHIN 48 HOURS.	REINF
	THE F
 EXPOSED AREAS THAT HAVE ACHIEVED FINAL GRADE SHALL BE PERMANENTLY STABILIZED WITHIN 48 HOURS. 	DRAINSILT F
	• SILT F FROZI
 IN AREAS WHERE VEGETATIVE COVER WILL PROVIDE PERMANENT STABILIZATION, SEEDING TO BE 	• MULC
COMPLETED BETWEEN APRIL 15 AND SEPTEMBER 15.	OTHE
	AREAS
 SLOPES GREATER THAN 2H:1V SHALL BE TREATED WITH STONE FILL, TYPE I. 	FOLLO
	■ IF N
5. VEGETATED BUFFERS THE VEGETATION IN THE PROJECT AREA CONSISTS OF GRASSED SLOPES WITH MINIMAL TREE COVERAGE.	WIT ■ DIS
THE IMPACT TO VEGETATION WILL BE LIMITED TO THAT WHICH IS DIRECTLY AFFECTED BY THE	■ DIS STA
RECONSTRUCTION AND WIDENING OF THE PATH AND EXTENDING SLOPES AS REQUIRED. DISTURBED	PRIOR
VEGETATION WILL BE RESTABLISHED WITH STANDARD SEED AND MULCH PRACTICES. STRAW MULCH	 STON
SHALL BE USED IN WETLAND, WETLAND BUFFER AREAS AND GRAVEL WETLANDS.	ANTIC
6. DRAINAGE AREAS AND RECEIVING WATERS	
	CONTRACT
THE PROJECT SITE IS LOCATED IN THE UPPER LAKE CHAMPLAIN WATERSHED. THE PROJECT DRAINS VIA	CONTRACT
DIRECT CONVEYANCE TO LAKE CHAMPLAIN.	1. GENERA
THE PROJECT AREA HAS BEEN DIVIDED INTO 1 DRAINAGE AREA. DISTURBANCE AND SOIL TYPE PER	• IT SH
THE PROJECT AREA HAS BEEN DIVIDED INTO 1 DRAINAGE AREA. DISTURBANCE AND SOIL TYPE PER DRAINAGE AREA IS SUMMARIZED BELOW.	 IT SHA PERM FROM

AINAGE AREA	SOIL TYPE	NRCS ERODIBILITY (K-VALUE)	AREA OF DISTURBANCE (ACRES)
	FARMINGTON EXTREMELY ROCKY LOAM, 5-20% SLOPES	0.28	2.039
1	COVINGTON SILTY CLAY	0.49	0.099
I	VERGENNES CLAY, 2-6% SLOPES	0.49	1.781
	ALLUVIAL LAND	ERODIBILITY (K-VALUE)DISTURBANCE (ACRES)DCKY LOAM, LAY0.282.039LAY0.490.099	
	WATER	-	0.006

BORROW, AND STAGING AREAS

CIFIC STAGING AREA IS NOT ANTICIPATED FOR THIS PROJECT. STAGING IS ANTICIPATED TO JR WITHIN PERMITTED PROJECT LIMITS BASED ON THE CURRENT PHASE OF CONSTRUCTION.

TE MATERIAL AND EXCESS SOIL NOT ABLE TO BE USED ON-SITE SHALL BE DISPOSED OF AT AN OFF-LOCATION IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS, NANCES AND STATUES. ALL EROSION PREVENTION AND SEDIMENT CONTROL MEASURES NECESSARY WASTE, BORROW, AND STAGING AREAS OUTSIDE THE PROJECT LIMITS SHALL BE PAID FOR PER 29 OF THE STANDARD SPECIFICATIONS FOR CONSTRUCTION.

TE ADDITIONAL AREAS FOR DISPOSAL OF STUMPS, EXCESS SOILS AND COLLECTED SEDIMENT, IF SSARY. DISPOSE OF THESE MATERIALS IN A MANNER THAT WILL NOT RESULT IN SEDIMENTS RING WATERS OF THE STATE.

DSAL SITES REQUIRE RELATIVELY LEVEL TERRAIN WITH AN ISOLATION DISTANCE OF AT LEAST 100 FROM ANY SURFACE WATERS, INCLUDING WETLANDS.

LE AND EQUIPMENT STORAGE AREAS OR AREAS ADJACENT TO CONSTRUCTION TRAILERS OR ER HIGH TRAFFIC AREAS SHALL BE COVERED WITH GEOTEXTILE FABRIC AND 1 FT OF GRAVEL. OWING COMPLETION OF CONSTRUCTION, ALL NON-NATIVE MATERIALS SHALL BE REMOVED THE STAGING AREA. COMPACTED, RUTTED, OR OTHERWISE DISTURBED SOILS SHALL BE TILLED, ED, SEEDED AND MULCHED.

IBLE MATERIALS STOCKPILED WITHIN THE MATERIAL STORAGE AREAS SHALL BE ISOLATED WITH FENCE OR OTHER ACCEPTABLE SEDIMENT BARRIER. SOIL STOCKPILED ON THE SITE SHALL BE ED AND MULCHED.

R CONSTRUCTION REQUIREMENTS

EVENT THAT CONSTRUCTION ACTIVITIES CONTINUE INTO THE WINTER CONSTRUCTION SEASON BER 15 - APRIL 15), DEPENDING ON ACTUAL FIELD AND WEATHER CONDITIONS THE CONTRACTOR FOLLOW REQUIREMENTS FOR WINTER CONSTRUCTION, AS DEFINED IN SPECIFIC PERMIT TONS AND AS FOLLOWS:

RGED ACCESS POINTS. STABILIZED TO PROVIDE FOR SNOW STOCKPILING.

'S OF DISTURBANCE MOVED OR REPLACED TO REFLECT BOUNDARY OF WINTER WORK.

LOPMENT OF A SNOW MANAGEMENT PLAN THAT INCLUDES:

EQUATE STORAGE AND CONTROL OF MELT-WATER

DRAGE OF CLEARED SNOW TO BE PLACED DOWN SLOPE OF DISTURBED AREAS AND OUT OF DRMWATER TREATMENT STRUCTURES

IMUM 25-FOOT BUFFER SHALL BE MAINTAINED FROM PERIMETER CONTROLS.

REAS OF DISTURBANCE WITHIN 100 FEET OF A RECEIVING WATER, SILT FENCE SHALL BE FORCED OR ELSE REPLACED WITH PERIMETER DIKES, SWALES, OR OTHER PRACTICES RESISTANT TO FORCES OF SNOW LOADS.

NAGE STRUCTURES MUST BE KEPT OPEN AND FREE OF SNOW AND ICE DAMS.

FENCE AND OTHER PRACTICES REQUIRING EARTH DISTURBANCE MUST BE INSTALLED AHEAD OF EN GROUND.

CH TO BE APPLIED AT TWICE THE REGULAR RATE OR MINIMUM 3-INCH COVER, UNLESS DIRECTED ERWISE BY THE ENGINEER.

AS OF DISTURBED SOILS MUST BE STABILIZED AT THE END OF EACH WORK DAY, WITH THE OWING EXCEPTIONS:

NO PRECIPITATION WITHIN 24 HOURS IS FORECAST AND WORK WILL RESUME IN THE SAME AREA Thin 24 Hours.

TURBED AREAS THAT COLLECT AND RETAIN RUNOFF, SUCH AS OPEN UTILITY TRENCHES, MUST BE ABILIZED AT THE END OF EACH WORK WEEK.

R TO STABILIZATION, SNOW OR ICE MUST BE REMOVED TO LESS THAN 25MM (1-INCH) THICKNESS. IE STABILIZATION, 10 - 20 FEET WIDE IN AREAS WHERE CONSTRUCTION VEHICLE TRAFFIC IS CIPATED

FOR RESPONSIBILITIES, LIMITATIONS & PROHIBITIONS

RAL NOTES

IALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO AMEND/UPDATE ALL PLANS AND EXISTING ITS WHEN ADDING DETAILED CONSTRUCTION PHASING OR ANYTHING ELSE THAT MAY DEVIATE THE APPROVED PLANS AS DIRECTED BY THE RESIDENT ENGINEER.

- REGULATORY REVIEW.
- CONDITION.
- CONCRETE), AND OTHER SUBSTANCES, ARE PROHIBITED.
- BE SUSPENDED OR LIMITED DURING THE STORM.

2. EPSC PLAN

THE EPSC PLAN HAS BEEN PREPARED USING GENERAL PERMIT 3-9020, PART 4.1(C) AND APPENDIX B OF THE GENERAL PERMIT 3-9020 AS GUIDANCE IN PREPARING THE PLAN. THE FOLLOWING SECTIONS ADDRESS REQUIRED EPSC PLAN NARRATIVE ELEMENTS IN THE ORDER THAT THEY ARE PRESENTED IN APPENDIX B OF GENERAL PERMIT 3-9020.

- DEC PRIOR TO THE START OF CONSTRUCTION.

- STREAMS) TO THE EXTENT PRACTICABLE.
- AND WATER RESOURCES.
- AREAS.
- INFORMATION.
- •
- •
- COORDINATOR (OSPC)



 OTHER THAN THOSE SHOWN ON THE PLANS ALL LAND DISTURBANCES WITHIN 50 FEET OF ALL WATER BODIES, MEASURED FROM THE TOP OF BANK, AND WETLANDS, ARE PROHIBITED WITHOUT FURTHER

CONTRACTOR TO MAINTAIN ALL EXISTING STREAMS AND RIPARIAN BUFFER ZONES IN THEIR NATURAL

 OFF-SITE DISCHARGES OF ANY MATERIAL OTHER THAN STORMWATER, SUCH AS VEHICLE AND EQUIPMENT MAINTENANCE SPILLS, FUELS, WASH WATER, CONSTRUCTION DEBRIS, OIL, WET CONCRETE (INCLUDING WASHOUT WATER FROM CONCRETE BATCH TRUCKS OR EQUIPMENT USED TO MIX

 THE FAILURE TO PROMPTLY ABATE THE DISCHARGE OF SEDIMENT OR ANY OTHER WASTE WHICH CAUSES A VISIBLE DISCOLORATION OF SURFACE WATERS (INCLUDING WETLANDS), OR IS FOUND TO BE VIOLATING WATER QUALITY STANDARDS BASED ON MONITORING, IS PROHIBITED. ANY CORRECTIVE ACTION UNDERTAKEN TO REMOVE SEDIMENT FROM A WETLAND IS ALSO PROHIBITED.

• WEATHER CONDITIONS WILL BE MONITORED DURING THE CONSTRUCTION SEASON. IF AN EXTENDED RAIN PERIOD OR HEAVY RAIN IS PREDICTED, EXPOSED SOIL AREAS WILL BE MULCHED PRIOR TO AND DAILY DURING THE RAIN EVENT. IF DETERMINED NECESSARY BY THE RESIDENT ENGINEER, WORK MAY

THE NAME AND DAYTIME PHONE NUMBER OF THE OSPC SHALL BE PROVIDED IN WRITING TO VT

 THE NOTICE OF AUTHORIZATION (NOA) ISSUED BY VT DEC SHALL BE POSTED IN A LOCATION THAT IS VISIBLE TO THE PUBLIC (E.G., NEAR THE CONSTRUCTION ENTRANCE).

A COPY OF THE EPSC PLAN SHALL BE MAINTAINED ON-SITE DURING NORMAL WORKING HOURS FROM THE DATE OF COMMENCEMENT OF CONSTRUCTION ACTIVITIES TO THE DATE OF FINAL STABILIZATION. THE EPSC PLAN SHALL BE MADE AVAILABLE TO VT DEC UPON REQUEST

EXISTING VEGETATION SHALL BE PROTECTED AND MAINTAINED TO THE EXTENT PRACTICABLE.

A VEGETATED BUFFER SHALL BE MAINTAINED FOR WATER RESOURCES (E.G., WETLANDS AND

• TO THE EXTENT PRACTICABLE, SURFACE FLOW SHALL BE DIVERTED AWAY FROM EXPOSED SOILS

RESOURCE AREAS (E.G. STREAMS) WITHIN THE PROJECT AREA SHALL BE FLAGGED PRIOR TO ANY CONSTRUCTION RELATED ACTIVITIES OCCURRING WITHIN CLOSE PROXIMITY TO THOSE

EFFLUENT FROM DEWATERING OPERATIONS SHALL BE FILTERED OR PASSED THROUGH A SEDIMENT TRAPPING DEVICE AND DISCHARGED IN A MANNER THAT DOES NOT RESULT IN IMPACTS TO WATER QUALITY OR CONTRIBUTE TO EROSION. SEE DETAILS FOR MORE

SEDIMENT REMOVED FROM SEDIMENT CONTROL PRACTICES SHALL BE DISPOSED OF IN AN UPLAND AREA WITH STABILIZATION FOLLOWING DISPOSAL OF MATERIAL.

IN ADVANCE OF FORECASTED RAINFALL OR SNOWMELT, EPSC MEASURES THAT ARE LOCATED IN AREAS OF ACTIVE EARTH DISTURBANCE SHALL BE INSPECTED AND REPAIRED, AS NEEDED.

DUST CONTROL SHALL BE HANDLED VIA WATER OR CALCIUM CHLORIDE APPLICATION TO ROADWAYS AND OTHER AREAS WHERE DUST MAY BE GENERATED.

 STABILIZED CONSTRUCTION ENTRANCES SHALL BE LOCATED AT ALL VEHICLE ACCESS POINTS TO PUBLIC ROADWAYS AND ARE TO BE REGULARLY MAINTAINED TO CONTROL EQUIPMENT AND VEHICLES FROM TRACKING MATERIAL OFF SITE.

PERIMETER CONTROLS (E.G. SILT FENCE) SHALL BE INSTALLED ON THE DOWNSLOPE SIDE OF AREAS WHERE THERE IS POTENTIAL FOR SILT EROSION AND/OR SEDIMENT RUNOFF. IN SOME AREAS WHERE THE GROUND SURFACE IS LEVEL AND THERE ARE NO PATHWAYS (E.G. DITCHES OR RUTS) THAT COULD TRANSPORT RUNOFF FROM THE PROJECT AREA. INSTALLATION OF PERIMETER CONTROLS MAY NOT BE NECESSARY PER APPROVAL BY THE ON-SITE PLAN

DESIGNED BY: C.K.FORD

EPSC NARRATIVE (SHEET 1 OF 2)

PROJECT NAME:	BURLINGTON	BIKE	PATH	PHASE	3B
PROJECT NUMBER:	58109.01				
FILE NAME: 58109ep PROJECT LEADER: E	•		DT DATE: Awn by:	4/23/2021	

DRAWN BY: C_K_FORD CHECKED BY: E.P.DETRICK SHEET 42 OF 52

- CONSTRUCTION DEMARCATION SHALL COMPLY WITH THE FOLLOWING:
 - a. CONSTRUCTION DEMARCATION TO BE INSTALLED ALONG PERIMETER OF LIMITS OF DISTURBANCE PER THE EPSC PLANS
 - b. WITHIN 100 FEET OF RESOURCE AREA DEMARCATION MUST INCLUDE:
 - i. 2 TO 3 ROWS OF STAKED (OR STAPLED) 3-INCH (MIN.) ORANGE BARRIER MESH TAPE,
 - ii. ORANGE CONSTRUCTION FENCE, OR
 - iii. ORANGE SNOW FENCE
 - c. WHEN GREATER THAN 100 FEET FROM A RESOURCE AREA DEMARCATION MAY INCLUDE: i. ONE ROW OF STAKED (OR STAPLED) 3-INCH (MIN.) ORANGE BARRIER MESH
 - TAPE,
 - ii. ORANGE CONSTRUCTION FENCE, OR
 - iii. ORANGE SNOW FENCE
- PERIMETER CONTROLS SHALL COMPLY WITH THE FOLLOWING:
 - a. PERIMETER CONTROLS ARE TO BE INSTALLED ON THE DOWNSLOPE SIDE OF AREAS OF DISTURBANCE WHERE THERE IS POTENTIAL FOR SEDIMENT RUNOFF AND/OR SOIL EROSION.
 - b. PERIMETER CONTROLS ARE NOT TO CROSS ACTIVE ACCESS ROUTES OR PERENNIAL FLOW PATHS (E.G. A STREAM).
 - c. PARTICULAR CARE IS TO BE TAKEN WHEN INSTALLING PERIMETER CONTROLS IN A WETLAND.
 - d. WITHIN 100 FEET OF A WATER RESOURCE AREA, PERIMETER CONTROLS MUST INCLUDE:
 i. REINFORCED SILT FENCE TO BE REINFORCED WITH WIRE MESH, STAKED HAY BALES, OR STAKED FIBER ROLLS.
 - e. WHEN GREATER THAN 100 FEET FROM A WATER RESOURCE AREA, PERIMETER CONTROLS MAY INCLUDE:
 - i. SILT FENCE (NON-REINFORCED), OR
 - ii. STAKED FIBER ROLLS
- PROJECT DEMARCATION OF AN AREA SHALL BE INSTALLED PRIOR TO EARTH DISTURBING ACTIVITIES WITHIN THAT AREA. AN EXCEPTION IS LAND DISTURBANCE THAT MAY BE NEEDED TO ACCESS THE AREA WITH EQUIPMENT IN OR TO INSTALL THE EPSC MEASURES.

1. INSPECTION & MONITORING NOTES

OSPC INSPECTION REQUIREMENTS:

- EPSC INSPECTION, MONITORING, AND REPORTING ARE REQUIRED PER THE GENERAL PERMIT 3-9020. THE CONTRACTOR IS RESPONSIBLE FOR INSPECTING AND MAINTAINING EROSION PREVENTION AND SEDIMENT CONTROLS THAT MINIMIZE OR ELIMINATE POLLUTANTS IN STORMWATER DISCHARGE.
- INSPECTIONS BY THE ON-SITE PLAN COORDINATOR (OSPC) SHALL BE CONDUCTED AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS, WITH ADDITIONAL INSPECTION FREQUENCY REQUIRED FOR RAIN EVENTS, WINTER CONSTRUCTION, AND VISIBLE DISCHARGES PER THE CONDITIONS OF GENERAL PERMIT 3-9020. A WRITTEN REPORT SHALL BE COMPLETED FOR EACH INSPECTION AND SIGNED BY THE OSPC. ALL REPORTS ARE TO BE MAINTAINED ON SITE AND MADE AVAILABLE TO STATE DEC REPRESENTATIVES UPON REQUEST.
- IF VISIBLY DISCOLORED STORMWATER RUNS OFF THE CONSTRUCTION SITE OR RUNS OFF THE CONSTRUCTION SITE AND DISCHARGES TO RECEIVING WATERS, THE CONTRACTOR SHALL TAKE IMMEDIATE CORRECTIVE ACTION TO CORRECT THE DISCHARGES, INCLUDING MAINTAINING EXISTING EPSC MEASURES, AND INSTALLING SUPPLEMENTAL EPSC MEASURES.
- THE OSPC IS RESPONSIBLE FOR MONITORING, INSPECTING, AND SAMPLING DISCHARGES FROM THE SITE TO MAINTAIN COMPLIANCE WITH GENERAL PERMIT 3-9020. THIS INCLUDES VISUAL MONITORING OF EPSC MEASURES AND DISCHARGES, DISCHARGE SAMPLING, TURBIDITY MONITORING, AND REPORTING. THE MAXIMUM TURBIDITY PERMISSIBLE FOR CONSTRUCTION SITE DISCHARGE IS 25 NTU.
- THE CONTRACTOR SHALL KEEP ONE (1) TURBIDITY MONITOR ONSITE AND HAVE PERSONNEL ON HAND THAT ARE TRAINED IN ITS OPERATION.

ON-SITE PLAN COORDINATOR (OSPC) NOTES:

- THE OSPC DESIGNATED TO THE PROJECT (AND HIS/HER DESIGNEE) SHALL:
 - REVIEW VT DEC'S "ON-SITE PLAN COORDINATOR MANUAL",
 - BE ON-SITE ON A DAILY BASIS (OR HAVE A DESIGNEE THAT IS ON SITE WHEN HE/SHE CANNOT BE),
 - O BE DIRECTLY RESPONSIBLE FOR ON-SITE IMPLEMENTATION OF THE EPSC PLAN,
 - BE KNOWLEDGEABLE IN THE PRINCIPLES AND PRACTICES OF EPSC,
 - POSSESS THE SKILLS TO ASSESS CONDITIONS AT THE CONSTRUCTION SITE THAT COULD IMPACT STORMWATER QUALITY,
 - POSSESS THE SKILLS TO ASSESS THE EFFECTIVENESS OF EPSC MEASURES SELECTED TO CONTROL THE QUALITY OF STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITY,
 - POSSESSES THE SKILLS AND EQUIPMENT TO CONDUCT TURBIDITY MONITORING PURSUANT TO THE CONSTRUCTION STORMWATER DISCHARGE PERMIT, AND
 - HAVE THE AUTHORITY TO STOP AND/OR MODIFY CONSTRUCTION ACTIVITIES AS NECESSARY TO COMPLY WITH THE EPSC PLAN AND THE CONSTRUCTION STORMWATER DISCHARGE PERMIT.

- ALL PROPOSED CHANGES TO THE EPSC PLAN MUST BE APPROVED BY THE OSPC OR HIS/HER DESIGNEE, THE PLAN DESIGNER OR CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (CPESC) PRIOR TO IMPLEMENTATION, AND BE CONSIDERED MINOR AMENDMENTS AS DEFINED IN THE OSPC HANDBOOK. ALL MINOR AMENDMENTS ARE TO BE RECORDED USING THE MINOR AMENDMENT RECORD FORM AND MARKED ON THE MASTER OSPC PLAN SET. ALL MODIFICATIONS THAT FALL OUTSIDE OF THE MINOR AMENDMENT DEFINITION MUST BE APPROVED BY VT-DEC.
- DURING THE REGULAR CONSTRUCTION SEASON (APRIL 15 TO OCT 15), THE OSPC OR HIS/HER DESIGNEE SHALL CONDUCT INSPECTIONS AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HRS FOLLOWING A STORM EVENT RESULTING IN DISCHARGE OF STORMWATER FROM THE CONSTRUCTION SITE.
- THE OSPC AND HIS/HER DESIGNEE(S) SHALL FOLLOW TURBIDITY MONITORING PROTOCOLS OUTLINED IN VT DEC'S "MONITORING OF TURBIDITY IN STORMWATER RUNOFF FROM CONSTRUCTION ACTIVITIES" MANUAL.
- INSPECTIONS CONDUCTED BY THE OSPC OR HIS/HER DESIGNEE SHALL COVER ALL AREAS OF SITE THAT ARE BEING ACTIVELY DISTURBED BY CONSTRUCTION OR CONSTRUCTION -RELATED ACTIVITIES, INCLUDING AREAS THAT HAVE BEEN TEMPORARILY STABILIZED.
- OSPC INSPECTIONS SHALL BE DOCUMENTED USING THE VT DEC INSPECTION REPORT FORM OR A VT DEC-ACCEPTED INSPECTION REPORT FORM.
- OSPC INSPECTION REPORTS SHALL BE MAINTAINED ON-SITE FOR THE DURATION OF THE PROJECT AND MADE AVAILABLE TO VT DEC UPON REQUEST.



	PROJECT NAME:	BURLINGTON	BIKE	PATH	PHASE	3B	
	PROJECT NUMBER:	58109.01					
	FILE NAME: 58109ep		PLOT DATE: 4/23/2021				
	PROJECT LEADER: E	P.DETRICK	DR	AWN BY:	C_K_FORD		
	DESIGNED BY: (C.K.FORD	CHE	ECKED BY:	E.P.DETRICK		
-	EPSC NARRATIVE (S	SHEET 2 OF 2)	SHE	EET 43	0F 52		

CITY OF BURLINGTON RURAL SEED MIX							
	LBS/AC						
% WEIGHT	HYDROSEED	NAME					
5%	196.0	MIRCOCOLVER					
5%	196.0	BIRDS FOOT TREFOIL					
65%	196.0	FINE FESCUE *					
20%	196.0	PERRENIAL RYE GRASS					
5%	196.0	COLONIAL BENTGRASS					

(CITY OF	BURLING	TON URBAN AREA	MIX	
	LBS	S/AC			
% WEIGHT	BROADCAST	HYDROSEED	NAME	GERM %	PURITY %
40.0%	70	140	CREEPING RED FESCUE	85%	98%
30.0%	52.3	104.6	PERENNIAL RYE GRASS	90%	95%
30.0%	52.3	104.6	KENTUCKY BLUE GRASS	85%	85%
0.0%	0	0	ANNUAL RYE GRASS	85%	95%
100%	174.6	349.2			

		SOIL AMENDME	ENT GUIDA	NCE	
	FE	RTILIZER	LIME		
	BROADCAST	HYDROSEED	BROADCAST	HYDROSEED	
	10-20-10	FOLLOW	PELLETIZED	FOLLOW	
1000	LBS/AC	MANUFACTURER	TONS/AC	MANUFACTURER	
			4		

CONSTRUCTION GUIDANCE

I.CITY OF BURLINGTON RURAL SEED MIX: TO BE PAID FOR UNDER ITEM NO. 651.15. USE AS INDICATED IN THE PLANS AND/OR FOR ALL ESTABLISHED UPLAND (NON WETLAND) AREAS DISTURBED BY THE CONTRACTOR.

2.URBAN SEED MIX: USE AS INDICATED IN THE PLANS AND/OR FOR ALL ESTABLISHED LAWN AREAS DISTURBED BY THE CONTRACTOR.

3.ALL SEED MIXTURES: SHALL NOT HAVE A WEED CONTENT EXCEEDING 0.40% BY WEIGHT AND SHALL BE FREE OF ALL NOXIOUS SEED.

4.FERTILIZER AND LIMESTONE: SHALL FOLLOW RATES SHOWN ON PLAN OR AS DIRECTED BY THE ENGINEER

5.HAY MULCH: TO BE PLACED ON EARTH SLOPES AT THE RATE OF 4 TONS/ACRE, ACHIEVE 90% GROUND COVER OR AS DIRECTED BY THE ENGINEER.

6.TOPSOIL: TO BE USED WITH SEED AS INDICATED ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.

7.HYDROSEEDING: ALTHOUGH GUIDANCE IS GIVEN ABOVE THE SITE CONDITIONS AND THE TYPE OF HYDROSEED WILL ULTIMATELY DICTATE THE AMOUNTS AND TYPES OF SOIL AMENDMENTS TO BE APPLIED

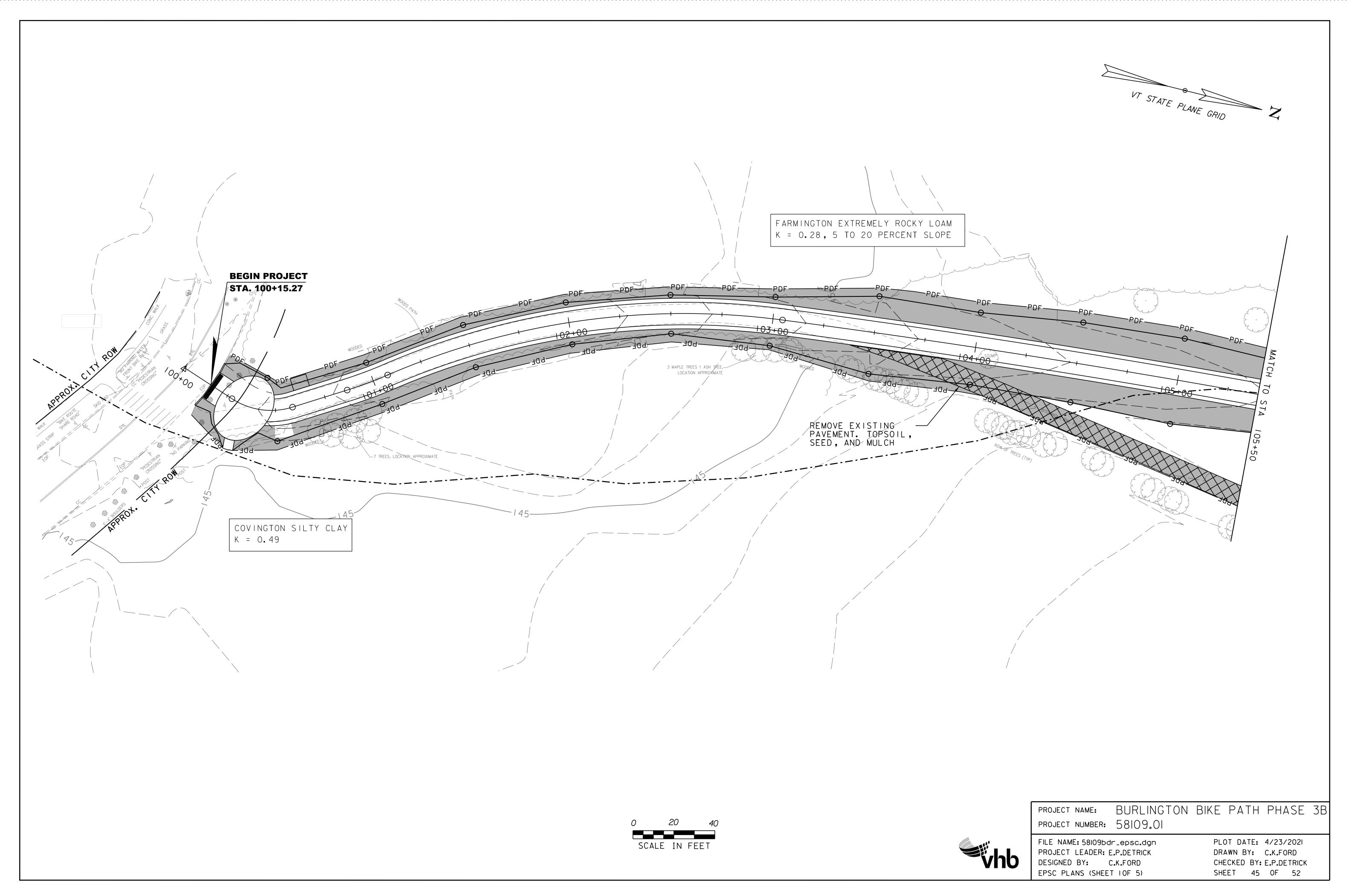
8.TURF ESTABLISHMENT: PLACING SEED, FERTILIZER, LIME AND MULCH PRIOR TO SEPTEMBER 15 AND AFTER APRIL 15 CAN BETTER ENSURE A VIGOROUS GROWTH OF GRASS.

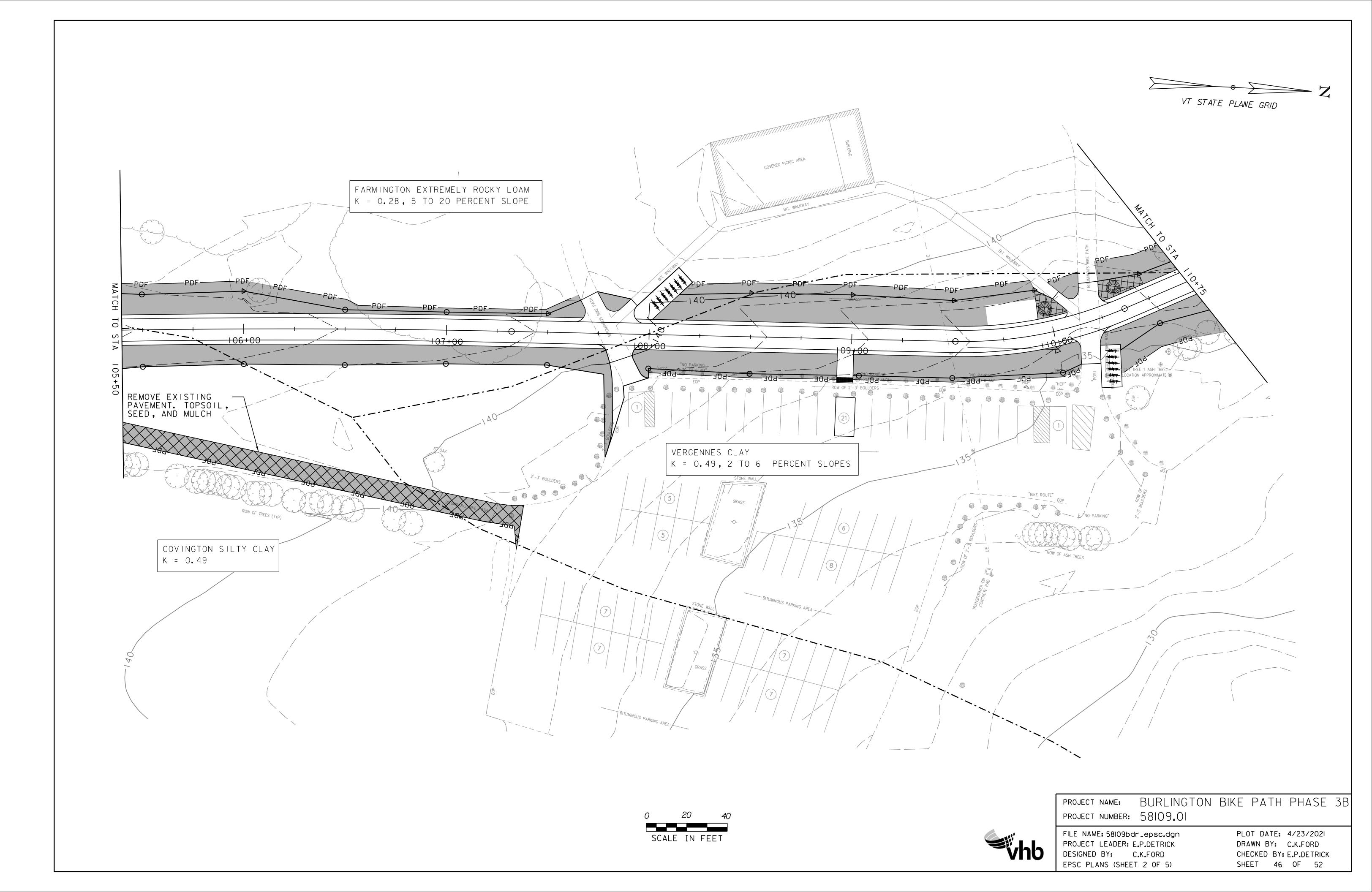
TURF ESTABLISHMENT

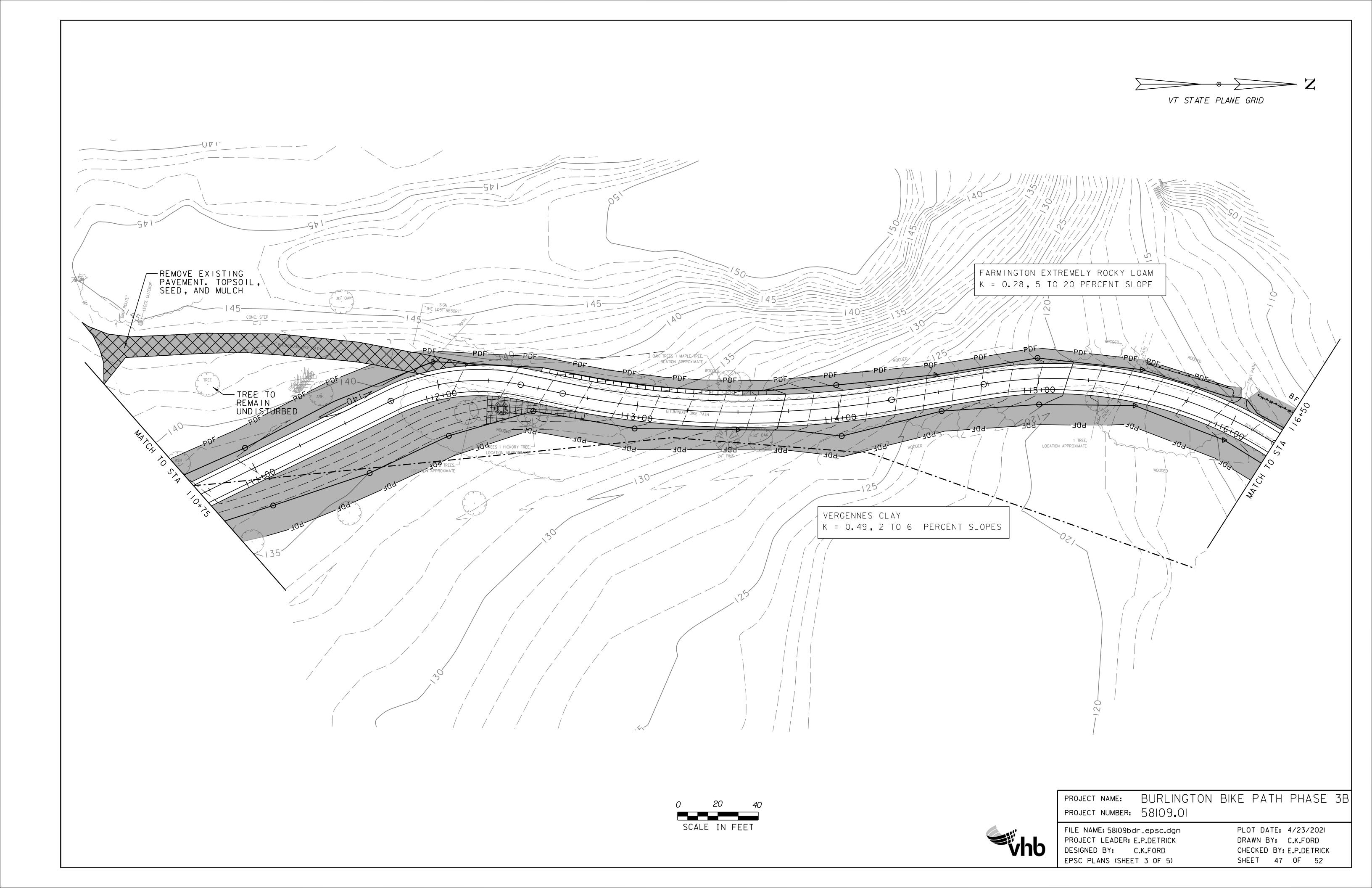
* FINE FESCUE SHALL BE COMPRISED OF THE FOLLOWING SEED BY % WEIGHT: 20% CHEWINGS FESCUE 25% STRONG FESCUE 10% SLENDER FESCUE 10% HARD FESCUR

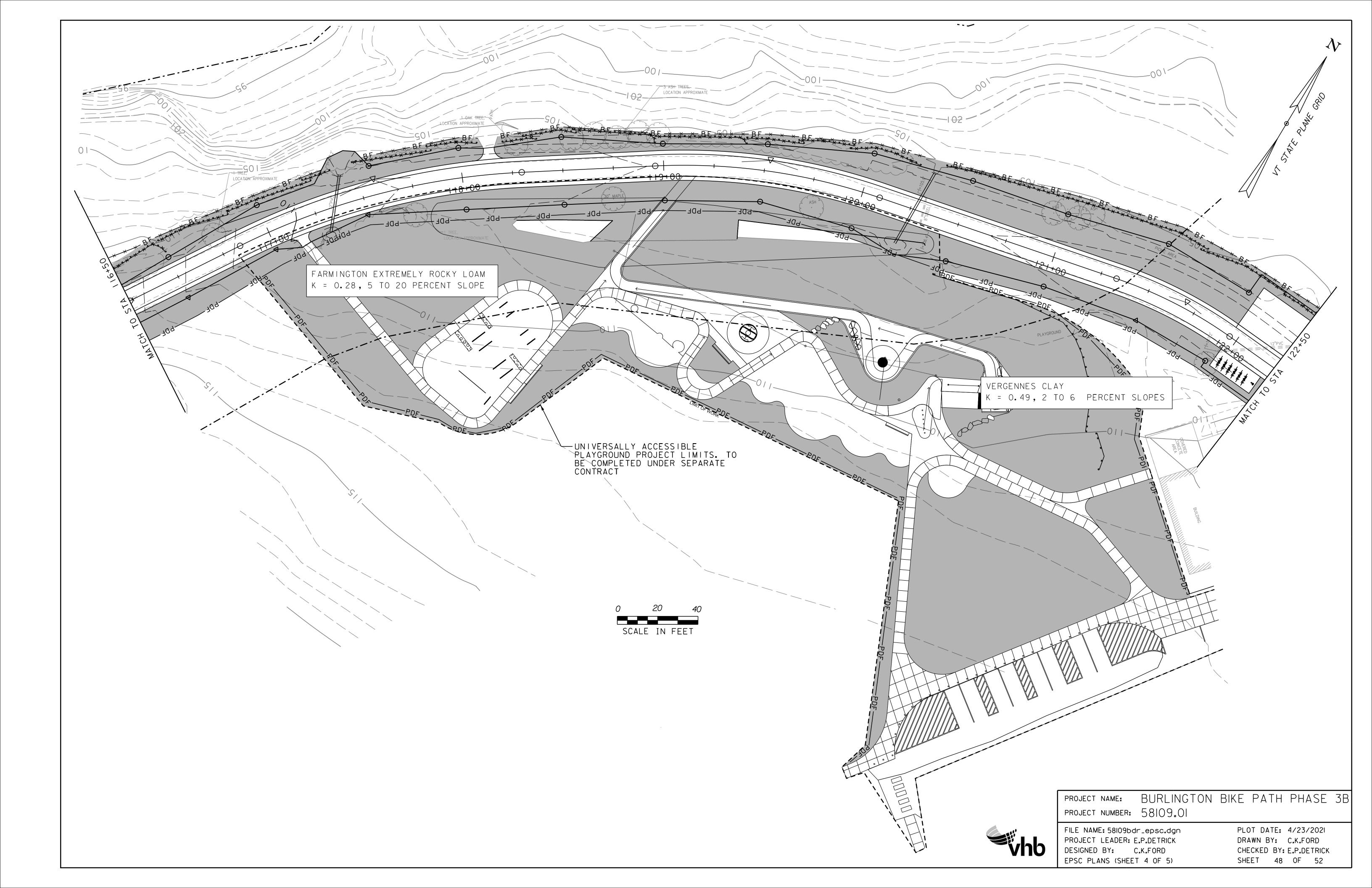


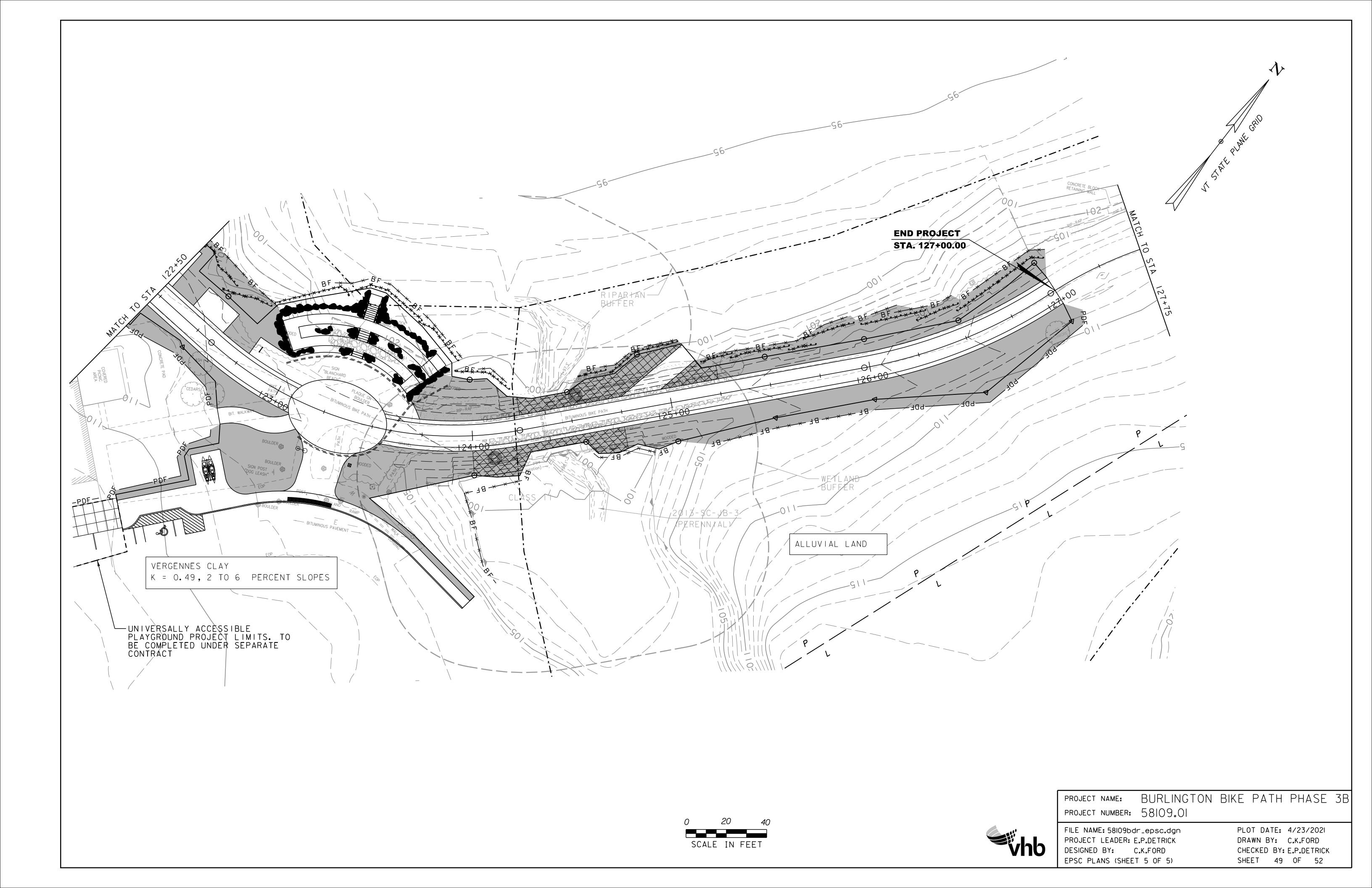
	PROJECT NAME:	BURLINGTON	BIKE PATH PHASE	3B
	PROJECT NUMBER:	518109.01		
	FILE NAME: 58109ep PROJECT LEADER: E	-	PLOT DATE: 4/23/2021 DRAWN BY: B.O.CRONIN	
)	DESIGNED BY: E		CHECKED BY: E.P. DETRICK SHEET 44 OF 52	











<u>GENERAL</u>

I. THE FOLLOWING TRAFFIC CONTROL INFORMATION IS INTENDED TO BE A CONCEPTUAL NARRATIVE FOR HOW THE WORK MAY PROCEED. THE CONTRACTOR SHALL SUBMIT A DETAILED TRAFFIC CONTROL PLAN TO THE RESIDENT ENGINEER FOR APPROVAL. THE CONTRACTOR SHALL ALLOW AT LEAST TWO (2) WEEKS FOR REVIEW AND APPROVAL. MODIFICATIONS TO THE APPROVED TRAFFIC CONTROL PLAN SHALL BE SUBMITTED TO THE RESIDENT ENGINEER AT LEAST ONE WEEK PRIOR TO THE IMPLEMENTATION OF THE CHANGE.

2. THE CONTRACTOR'S TRAFFIC CONTROL PLAN SHALL BE DEVELOPED IN ACCORDANCE WITH THE 2018 EDITION OF VTRANS STANDARD SPECIFICATIONS SECTION 641 - TRAFFIC CONTROL AND IN SUBSTANTIAL CONFORMANCE WITH THE 2009 EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) WITH LATEST INTERIMS. THE TRAFFIC CONTROL PLAN SHALL INCLUDE ALL TEMPORARY SIGNS, PAVEMENT MARKINGS, BARRICADES, AND OTHER DEVICES REQUIRED TO PROVIDE COMPLETE MANAGEMENT OF TRAFFIC. ANY SIGNS NOT INCLUDED IN THE FHWA STANDARD HIGHWAY SIGNS BOOK SHALL INCLUDE SIGN FACE DIMENSIONS AND LAYOUT.

3. TRAFFIC CONTROL PLANS SHALL BE ESTABLISHED TO MAINTAIN THE CONTINUITY OF TRAFFIC THROUGH THE CORRIDOR. TRAFFIC CONTROL SIGNS SHALL BE ADJUSTED AT THE COMPLETION OF EACH CONSTRUCTION PHASE AS DIRECTED BY THE RESIDENT ENGINEER. SIGNING. AND OTHER SUPPORTING TRAFFIC CONTROLS DEVICES SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION. INSTALLING, MAINTAINING, ADJUSTING, MODIFYING, AND REMOVING THE TRAFFIC CONTROL DEVICES SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CONTRACT ITEM 641.10 TRAFFIC CONTROL.

4. TRAFFIC SHALL NOT BE CHANGED FROM ONE PHASE TO THE NEXT UNTIL ALL TEMPORARY SIGNING WORK REQUIRED FOR THE SUBSEQUENT PHASE IS COMPLETED. ANY CONFLICTING PAVEMENT MARKINGS SHALL BE MASKED WITH PAVEMENT MARKING MASK OR REMOVED BY GRINDING. EXISTING PAVEMENT MARKINGS THAT ARE TO REMAIN FOR LATER USE SHALL BE MASKED WITH PAVEMENT MARKING MASK.

5. EXISTING SIGNS SHALL REMAIN UNTIL THEY ARE NO LONGER REQUIRED. EXISTING SIGNS WHICH CONFLICT WITH TEMPORARY TRAFFIC CONTROLS SHALL BE COMPLETELY COVERED WITH SOLID COVERS PAINTED BLACK OR REMOVED/RELOCATED AS NEEDED. TEMPORARY SIGNS SHALL BE INSTALLED AS SHOWN IN THE CONTRACTOR'S APPROVED TRAFFIC CONTROL PLANS. NEW SIGNING SHALL BE INSTALLED AS IT BECOMES APPLICABLE. ALL PROPOSED SIGNING SHALL BE INSTALLED AND ALL SIGNS TO BE REMOVED SHALL BE REMOVED PRIOR TO THE APPLICATION OF THE FINAL PAVEMENT MARKINGS.

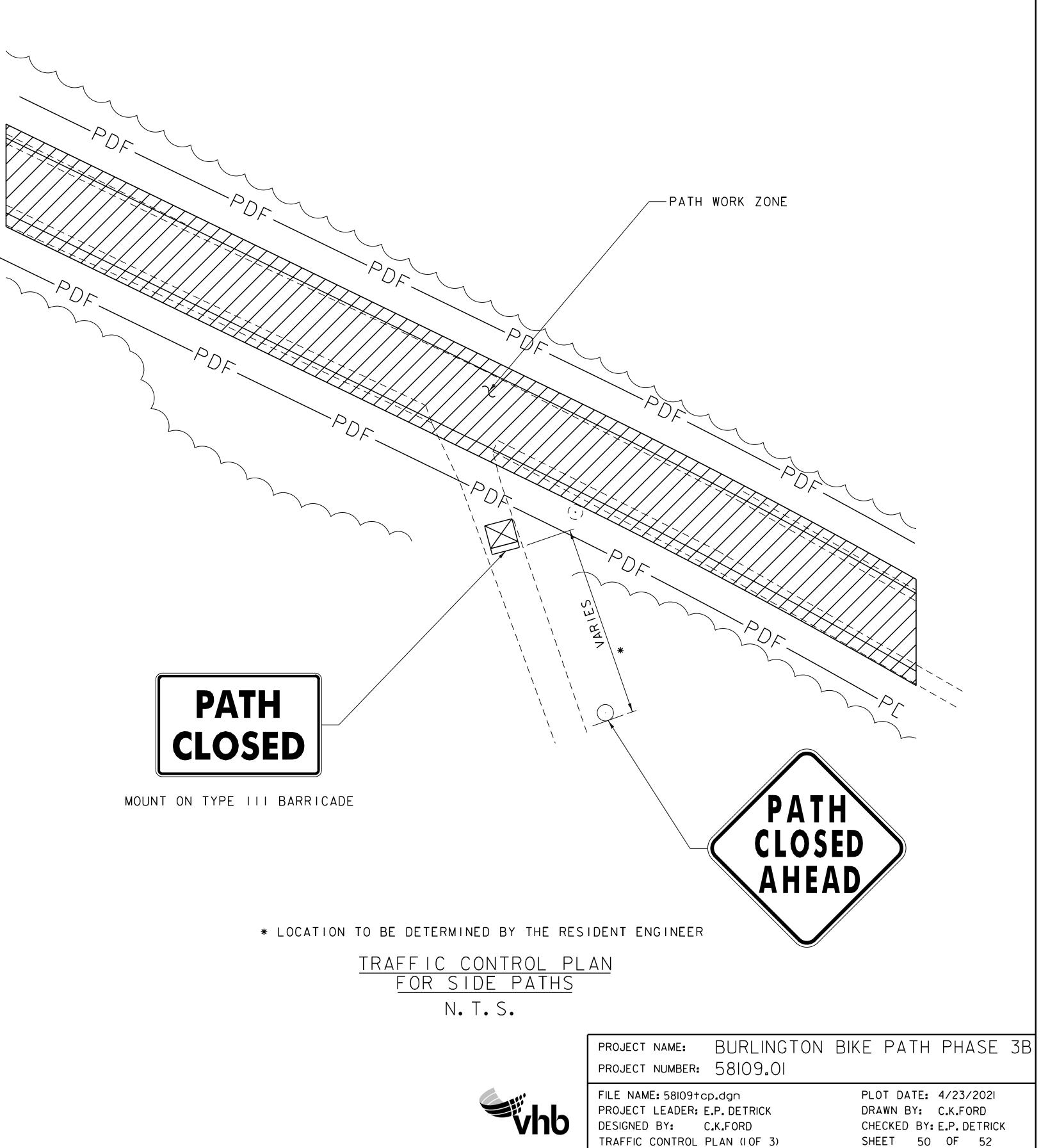
6. ALL SIGNS SHALL BE LOCATED SO THEY ARE VISIBLE AND ABLE TO BE READ BY THE TRAVELING PUBLIC. SIGNS SHALL BE INSTALLED SO AS NOT TO OBSTRUCT EXISTING SIGNS.

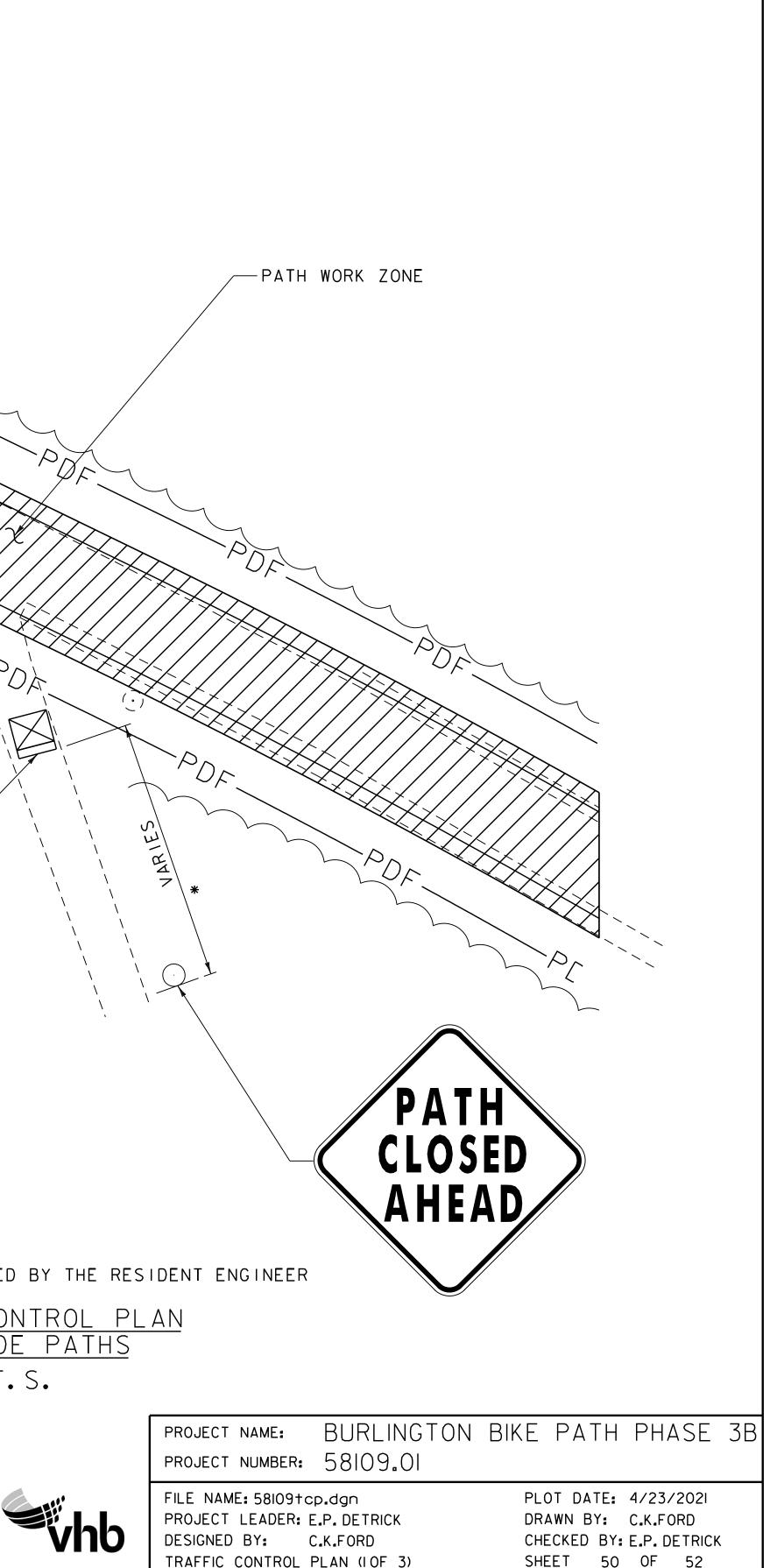
7. ALL SIGNS AND BARRICADES SHALL BE INSPECTED AND REPAIRED DAILY. ALL SIGNS SHALL BE CLEANED OF DUST AND DEBRIS WEEKLY.

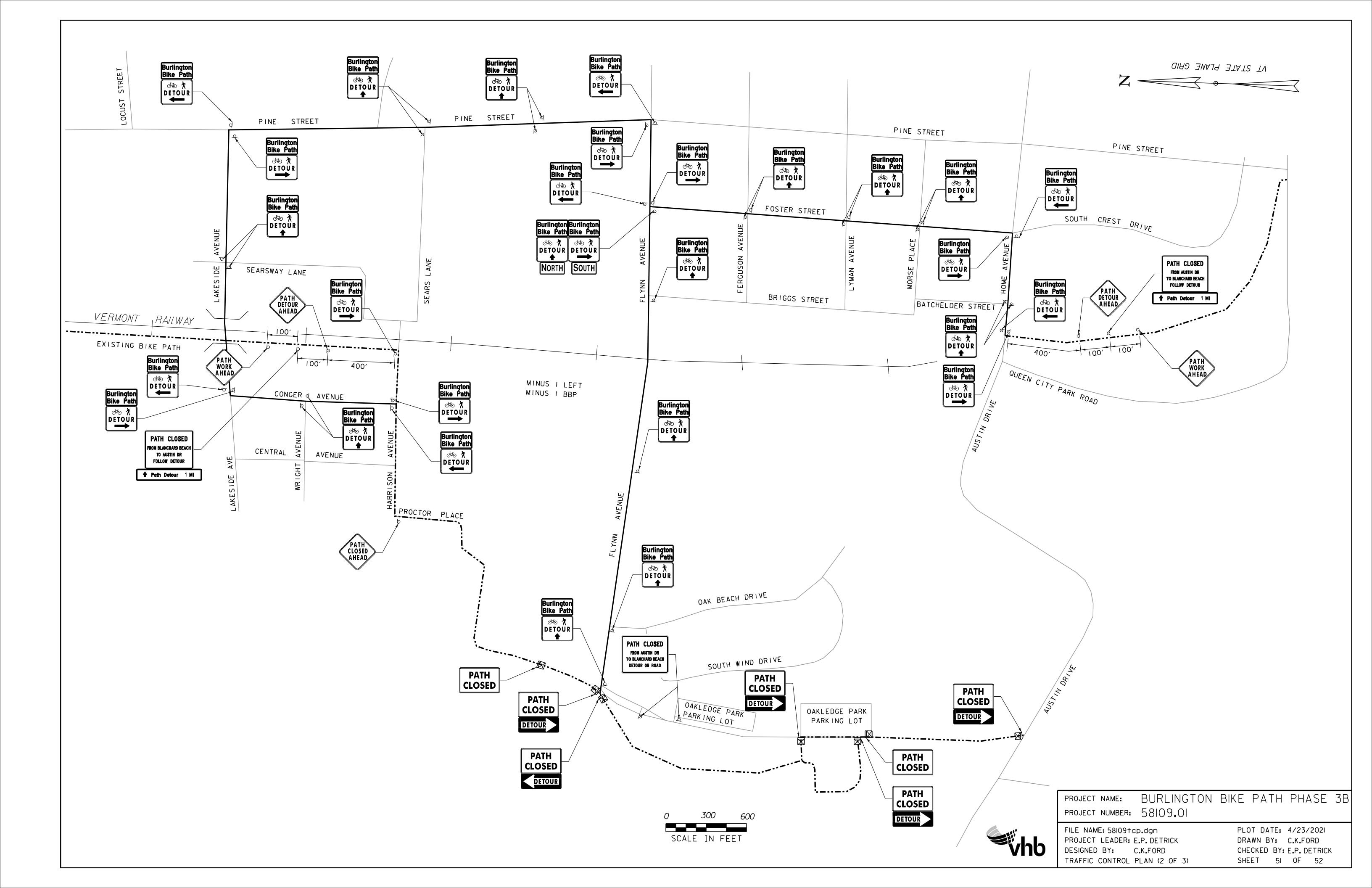
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING ALL SIGNAGE.

9. THE CONTRACTOR SHALL PROVIDE AN 8-FOOT HIGH TEMPORARY CHAIN LINK FENCE BEHIND THE TYPE III BARRICADES TO COMPLETELY BLOCK OFF PUBLIC ACCESS AT EACH END OF THE WORK AREAS INCLUDING ALL SIDE ROAD INTERSECTIONS. THE COST OF THE TEMPORARY CHAIN LINK FENCE IS INCIDENTAL TO ITEM 641.10 "TRAFFIC CONTROL".

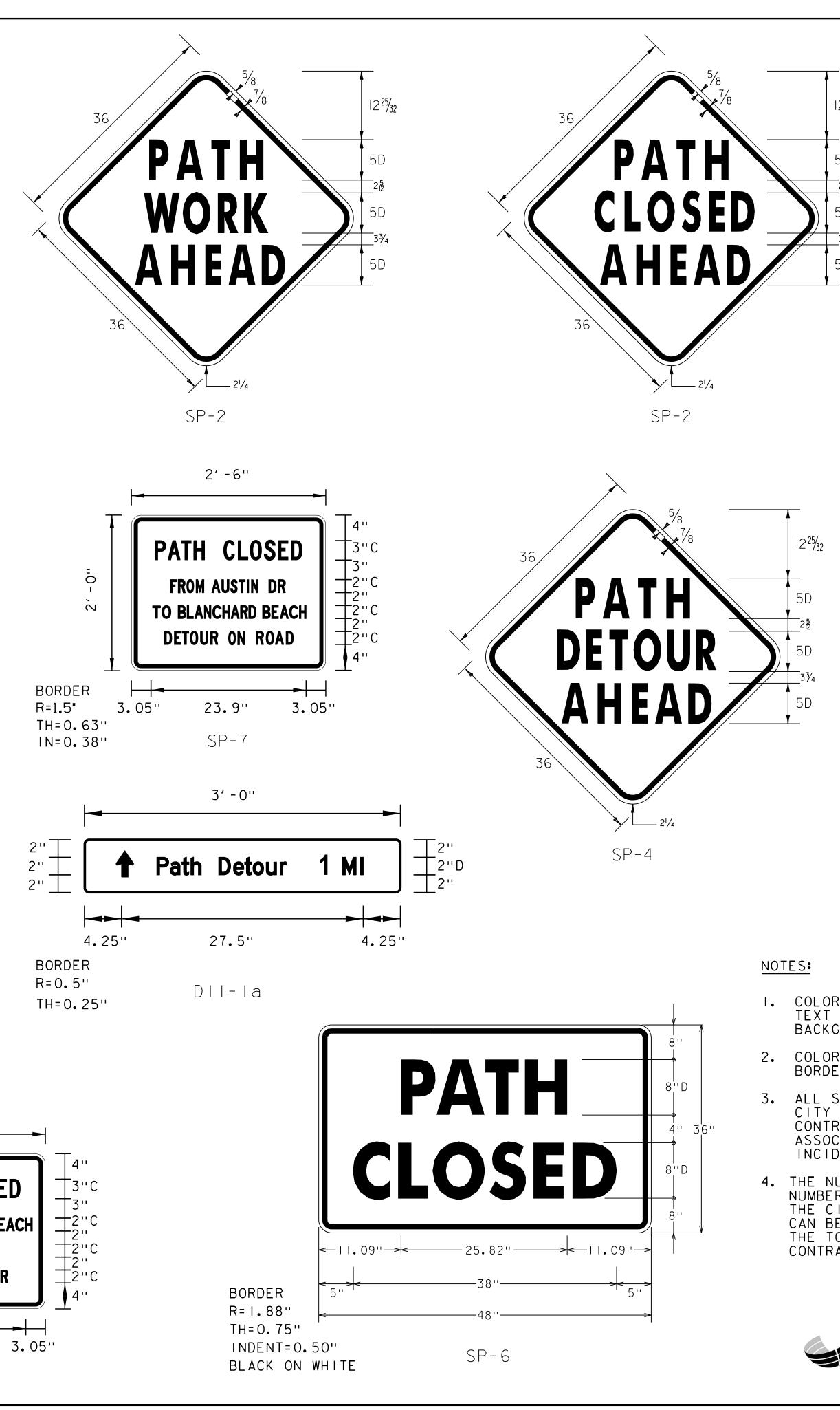
IO. THE CONTRACTOR SHALL COORDINATE EXACT LOCATIONS AND TYPES OF SIGNS POSTS WITH DANIEL HILL OF DPW TRAFFIC DIVISION; (802)863-9094.





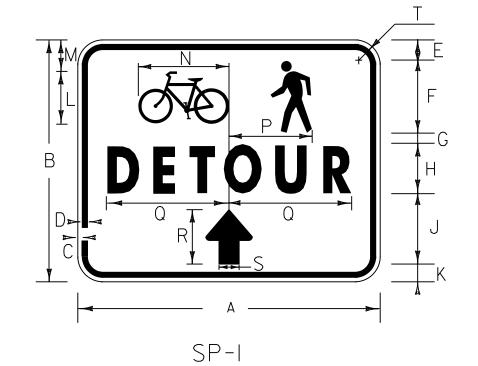


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M4-10 M4-10	48	18	DETOUR	4	BELOW THE SP-6 MOUNT BELOW
M3-3	24	12	SOUTH	1	BELOW THE SP-I MOUNT
M3-I	24	12	NORTH		MOUNT BELOW THE SP-I MOUNT
DII-Ia	36	6	Path Detour 1 MI	2	MOUNT BELOW THE SP-7
SP-7	30	24	PATH CLOSED FROM AUSTIN DR TO BLANCHARD BEACH DETOUR ON ROAD	Ι	MOUNT ON SINGLE POST
SP-7	30	24	PATH CLOSED FROM BLANCHARD BEACH TO AUSTIN DR FOLLOW DETOUR	Ι	MOUNT ON SINGLE POST
SP-7	30	24	PATH CLOSED FROM AUSTIN DR TO BLANCHARD BEACH FOLLOW DETOUR	Ι	MOUNT ON SINGLE POST
SP-6	48	36	PATH CLOSED	0	MOUNT ON TYPE III BARRICADE
SP-5	30	18	Burlington Bike Path	0	MOUNT ON SINGLE POST
SP-4	36	36	P A T H DETOUR A H E A D	0	MOUNT ON SINGLE POST
SP-2	36	36	P A TH CLOSED AHEAD	I	MOUNT ON SINGLE POST
SP-2	36	36	P A TH WORK A HE AD	0	MOUNT ON SINGLE POST
SP-1	30	24	がた 大 DETOUR 合	0	MOUNT BELOW THE SP-5
M4-9AR	30	24	Ø [™] C K DETOUR	I	MOUNT BELOW THE SP-5
M4-9AL	30	24	がわ 大 DETOUR 一	0	MOUNT BELOW THE SP-5
NUMBER	WIDTH (IN)	HEIGHT (IN)	TEXT	SIGNS REQ'D FOR PURCHASE	REMARKS

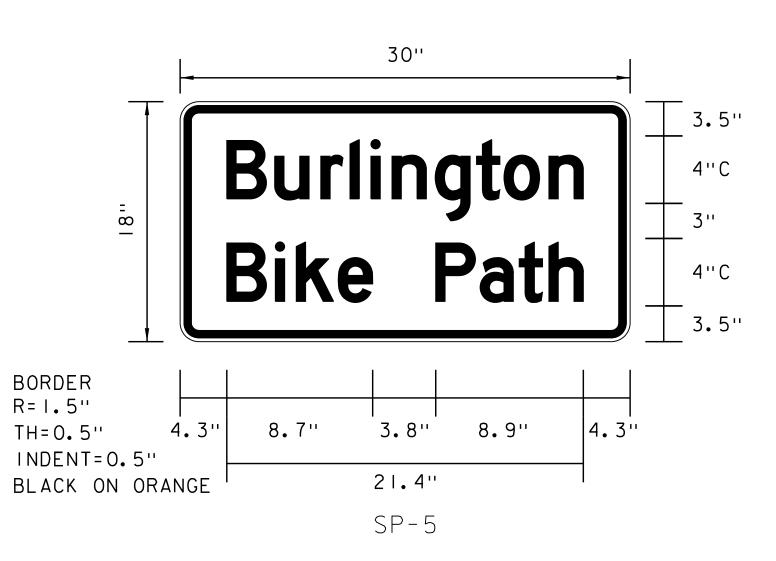


12²⁵/32

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- 5D
- 3¾
- 5D



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	31/4	9	8 ¹ /2	12 ¹ /8	5 ¹ /2	2	17/8				



I. COLORS FOR ALL TEMPORARY TRAFFIC CONTROL SIGNS SHALL BE BLACK TEXT AND BORDER ON RETROREFLECTIVE FLUORESCENT ORANGE BACKGROUND.

2. COLORS FOR THE SP-I TO SP-6 SIGNS SHALL BE BLACK TEXT AND BORDER ON RETROREFLECTIVE FLUORESCENT ORANGE BACKGROUND.

3. ALL SIGNS SHOWN ON THIS PLAN SHALL BECOME THE PROPERTY OF THE CITY OF BURLINGTON AFTER THEY ARE REMOVED FROM THE DETOUR. THE CONTRACTOR SHALL DELIVER THE SIGNS TO THE CITY. ALL COSTS ASSOCIATED WITH PROVIDING THE SIGNS TO THE CITY SHALL BE INCIDENTAL TO ITEM 641.10, "TRAFFIC CONTROL".

4. THE NUMBER OF REQUIRED SIGNS INDICATED ON THE TABLE IS THE NUMBER OF NEW SIGNS THAT THE CONTRACTOR CAN EXPECT TO PURCHASE. THE CITY OF BURLINGTON HAS ADDITIONAL SIGNS IN STOCKPILE THAT CAN BE USED BY THE CONTRACTOR TO COVER THE DIFFERENCE BETWEEN THE TOTAL NUMBER OF SIGNS REQUIRED AND THE NUMBER OF SIGNS THE CONTRACTOR MUST PURCHASE.

	PROJECT NAME: PROJECT NUMBER:	BURLINGTON 58109.01	BIKE	PATH	PHASE	3B
hb	FILE NAME: 58109+c PROJECT LEADER: E DESIGNED BY: (TRAFFIC CONTROL I	E.P. DETRICK C.K.FORD	DR. CHI	AWN BY:	E.P. DETRICK	