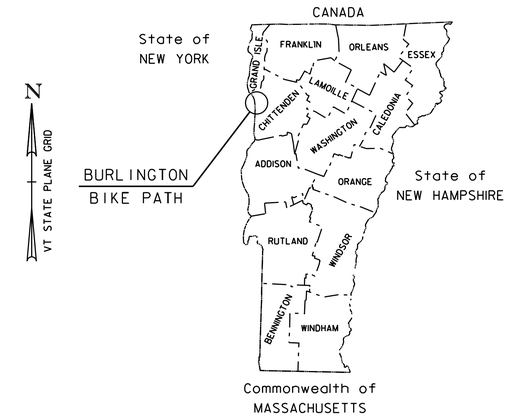
CITY OF BURLINGTON

BURLINGTON
PARKS
RECREATION
WATERFRONT

PROPOSED IMPROVEMENT

BURLINGTON BIKE PATH REHABILITATION PROJECT PHASE 3

CITY OF BURLINGTON
COUNTY OF CHITTENDEN

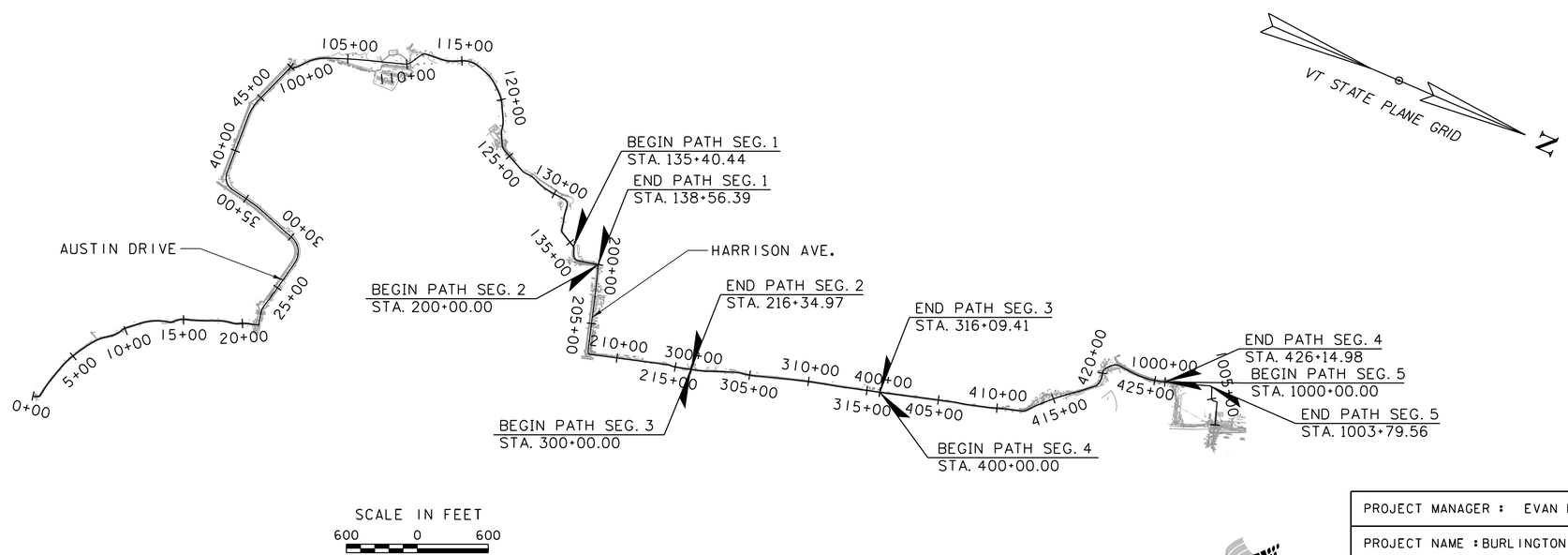


REVISED PRELIMINARY PLANS (75%)
DECEMBER 2018

PROJECT LOCATION: LOCATED IN THE COUNTY OF CHITTENDEN, CITY OF BURLINGTON, THE PROJECT BEGINS AT PROCTOR PLACE AND CONTINUES NORTH TO MAPLE STREET.

PROJECT DESCRIPTION: WORK TO BE PERFORMED INCLUDES REMOVAL OF THE EXISTING PATH PAVEMENT; THE WIDENING AND REPAVING OF THE PATH; INSTALLATION OF PAVEMENT MARKINGS, SIGNS, CONCRETE SIDEWALK RAMPS, AND FENCING; REVETMENT INSTALLATION AND REPAIRS ALONG THE WATERFRONT, AND OTHER INCIDENTAL ITEMS.

LENGTH OF PROJECT: 1.24 MILES (6,554.87 FEET)



CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE VTRANS STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2018, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN 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)

PROJECT MANAGER : EVAN P. DETRICK, P.E.

PROJECT NAME : BURLINGTON BIKE PATH PHASE 3
PROJECT NUMBER : 58109.00

SHEET 1 OF 46 SHEETS

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ADDITIONAL SYMBOLS

EXIST. STREET LIGHT

EXISTING SURVEY CONTROL POINTS

PROP. ORNAMENTAL STREET LIGHT

FIRE CALL BOX — FB

PROPOSED TREE

PROPOSED TREE WITH TREE PIT

PROPOSED SHRUB

PROPOSED TREE PIT OR TREE LOCATION

PROPOSED BRICK PAVERS

EXIST. STORM DRAIN

EXIST. SEWER — S

EXIST. WATER — W

EXIST. GAS — G

EXIST. UNDERGROUND TELEPHONE — UT

PROPOSED DRAINAGE CALLOUT — ##

FIRE HYDRANT

PROPOSED PULL BOX — PB

PROPOSED CONDUIT

PROPOSED CONDUIT AND SLEEVE

PROPOSED WATER LINE — PW

PROPOSED SEWER LINE — PS

PROPOSED ROOF DRAIN — RD

PROPOSED STORMWATER TREATMENT PLANTER

PROPOSED BANNER POLE

BORING LOCATION

PROPOSED WAYFINDING SIGN

VAOT STANDARDS

A-78	3-31-2004	SHARED USE PATH TYPICAL
A-79	3-31-2004	RAIL TRAIL TYPICAL
A-80	3-31-2004	SHARED USE PATH/HIGHWAY INTERSECTION DETAILS
B-5	6-01-1994	SLOPE GRADING, EMBANKMENTS, MUCK
C-3A	3-10-2008	SIDEWALK RAMPS
C-3B	3-10-2008	SIDEWALK RAMPS AND MEDIAN ISLANDS
C-10	2-11-2008	CURBING
E-121	8-8-1995	STANDARD SIGN PLACEMENT - CONVENTIONAL ROAD
E-191	2-1-1999	PAVEMENT MARKING DETAILS
E-193	8-18-1995	PAVEMENT MARKING DETAILS
E-195	6-9-2008	SHARED USE PATH PAVEMENT MARKINGS AND SIGN DETAILS
T-1	4-25-2016	TRAFFIC CONTROL GENERAL NOTES
T-2	4-25-2016	TRAFFIC SIGN GENERAL NOTES
T-10	8-6-2012	CONVENTIONAL ROADS CONSTRUCTION APPROACH SIGNING
T-17	8-6-2012	TRAFFIC CONTROL MISCELLANEOUS DETAILS
T-28	8-6-2012	CONSTRUCTION SIGN DETAILS
T-30	8-6-2012	CONSTRUCTION SIGN DETAILS
T-45	1-2-2013	SQUARE TUBE SIGN POST AND ANCHOR

GENERAL INFORMATION

SYMBOLOGY LEGEND NOTE

THE SYMBOLOGY ON THIS SHEET IS INTENDED TO COVER STANDARD CONVENTIONAL SYMBOLOGY. THE SYMBOLOGY IS USED FOR EXISTING & PROPOSED FEATURES WITH HEAVIER LINEWEIGHT, IN COMBINATION WITH PROJECT ANNOTATION, AS NOTED ON PROJECT PLAN SHEETS. THIS LEGEND SHEET COVERS THE BASICS. SYMBOLOGY ON PLANS MAY VARY, PLAN ANNOTATIONS AND NOTES SHOULD BE USED TO CLARIFY AS NEEDED.

R.O.W. ABBREVIATIONS (CODES) & SYMBOLS

POINT	CODE	DESCRIPTION
	CH	CHANNEL EASEMENT
	CONST	CONSTRUCTION EASEMENT
	CUL	CULVERT EASEMENT
	D&C	DISCONNECT & CONNECT
	DIT	DITCH EASEMENT
	DR	DRAINAGE EASEMENT
	DRIVE	DRIVEWAY EASEMENT
	EC	EROSION CONTROL
	HWY	HIGHWAY EASEMENT
	I&M	INSTALL & MAINTAIN EASEMENT
	LAND	LANDSCAPE EASEMENT
	R&RES	REMOVE & RESET
	R&REP	REMOVE & REPLACE
	SR	SLOPE RIGHT
	UE	UTILITY EASEMENT
	(P)	PERMANENT EASEMENT
	(T)	TEMPORARY EASEMENT
■	BNDNS	BOUND SET
⧈	BNDNS	BOUND TO BE SET
◎	IPNF	IRON PIN FOUND
●	IPNS	IRON PIN TO BE SET
⊠	CALC	EXISTING ROW POINT
○	PROW	PROPOSED ROW POINT
[LENGTH]		LENGTH CARRIED ON NEXT SHEET

COMMON TOPOGRAPHIC POINT SYMBOLS

POINT	CODE	DESCRIPTION
	APL	BOUND APPARENT LOCATION
	BM	BENCHMARK
	BND	BOUND
	CB	CATCH BASIN
	COMB	COMBINATION POLE
	DITHR	DROP INLET THROATED DNC
	EL	ELECTRIC POWER POLE
	FPOLE	FLAGPOLE
	GASFIL	GAS FILLER
	GP	GUIDE POST
	GSO	GAS SHUT OFF
	GUY	GUY POLE
	GUYW	GUY WIRE
	GV	GATE VALVE
	H	TREE HARDWOOD
	HCTRL	CONTROL HORIZONTAL
	HVCTRL	CONTROL HORIZ. & VERTICAL
	HYD	HYDRANT
	IP	IRON PIN
	IPIPE	IRON PIPE
	LI	LIGHT - STREET OR YARD
	MB	MAILBOX
	MH	MANHOLE (MH)
	MM	MILE MARKER
	PM	PARKING METER
	PMK	PROJECT MARKER
	POST	POST STONE/WOOD
	RRSIG	RAILROAD SIGNAL
	RRSL	RAILROAD SWITCH LEVER
	S	TREE SOFTWOOD
	SAT	SATELLITE DISH
	SHRUB	SHRUB
	SIGN	SIGN
	STUMP	STUMP
	TEL	TELEPHONE POLE
	TIE	TIE
	TSIGN	SIGN W/DOUBLE POST
	VCTRL	CONTROL VERTICAL
	WELL	WELL
	WSO	WATER SHUT OFF

THESE ARE COMMON VAOT SURVEY POINT SYMBOLS FOR EXISTING FEATURES, ALSO USED FOR PROPOSED FEATURES WITH HEAVIER LINEWEIGHT, IN COMBINATION WITH PROPOSED ANNOTATION.

PROPOSED GEOMETRY CODES

CODE	DESCRIPTION
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
CC	CENTER OF CURVE
PT	POINT OF TANGENCY
PCC	POINT OF COMPOUND CURVE
PRC	POINT OF REVERSE CURVE
POB	POINT OF BEGINNING
POE	POINT OF ENDING
STA	STATION PREFIX
AH	AHEAD STATION SUFFIX
BK	BACK STATION SUFFIX
D	CURVE DEGREE OF (100FT)
R	CURVE RADUIS OF
T	CURVE TANGENT LENGTH
L	CURVE LENGTH OF
E	CURVE EXTERNAL DISTANCE

UTILITY SYMBOLOGY

UNDERGROUND UTILITIES

UGU	UTILITY (GENERIC-UNKNOWN)
UT	TELEPHONE
UE	ELECTRIC
UC	CABLE (TV)
UEC	ELECTRIC+CABLE
UET	ELECTRIC+TELEPHONE
UCT	CABLE+TELEPHONE
UECT	ELECTRIC+CABLE+TELEP.
G	GAS LINE
W	WATER LINE
S	SANITARY SEWER (SEPTIC)

ABOVE GROUND UTILITIES (AERIAL)

AGU	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 & LAYOUT SYMBOLOGY

CZ	CLEAR ZONE
	PLAN LAYOUT MATCHLINE

PROJECT CONSTRUCTION FEATURES

	TOP OF CUT SLOPE
	TOE OF FILL SLOPE
	STONE FILL
	BOTTOM OF DITCH ℄
	CULVERT PROPOSED
	STRUCTURE SUBSURFACE
PDF	PROJECT DEMARCATION FENCE
BF	BARRIER FENCE
	TREE PROTECTION ZONE (TPZ)
	STRIPING LINE REMOVAL
	SHEET PILES

CONVENTIONAL BOUNDARY SYMBOLOGY

BOUNDARY LINES

TOWN LINE	TOWN BOUNDARY LINE
COUNTY LINE	COUNTY BOUNDARY LINE
STATE 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
P/L	PROPERTY LINE (P/L)
SR	SLOPE RIGHTS
6F	6F PROPERTY BOUNDARY
4F	4F PROPERTY BOUNDARY
HAZ	HAZARDOUS WASTE

EPSC LAYOUT PLAN SYMBOLOGY

EPSC MEASURES

	FILTER CURTAIN
	SILT FENCE
	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
T&E	THREATENED & ENDANGERED SPECIES
HAZ	HAZARDOUS WASTE AREA
AG	AGRICULTURAL LAND
HABITAT	FISH & WILDLIFE HABITAT
FLOOD PLAIN	FLOOD PLAIN
OHW	ORDINARY HIGH WATER (OHW)
	STORM WATER
	USDA FOREST SERVICE LANDS
	WILDLIFE HABITAT SUIT/CONN

ARCHEOLOGICAL & HISTORIC

ARCH	ARCHEOLOGICAL BOUNDARY
HISTORIC DIST	HISTORIC DISTRICT BOUNDARY
HISTORIC	HISTORIC AREA
H	HISTORIC STRUCTURE

CONVENTIONAL TOPOGRAPHIC SYMBOLOGY

EXISTING FEATURES

	ROAD EDGE PAVEMENT
	ROAD EDGE GRAVEL
	DRIVEWAY EDGE
	DITCH
	FOUNDATION
	FENCE (EXISTING)
	FENCE WOOD POST
	FENCE STEEL POST
	GARDEN
	ROAD GUARDRAIL
	RAILROAD TRACKS
	CULVERT (EXISTING)
	STONE WALL
	WALL
	WOOD LINE
	BRUSH LINE
	HEDGE
	BODY OF WATER EDGE
	LEDGE EXPOSED

vhb

PROJECT NAME:	BURLINGTON BIKE PATH PHASE 3
PROJECT NUMBER:	58109.00

FILE NAME: 58109legend.dgn	PLOT DATE: 12/5/2018
PROJECT LEADER: E.P. DETRICK	DRAWN BY: VTRANS
DESIGNED BY: VTRANS	CHECKED BY: E.P. DETRICK
CONVENTIONAL SYMBOLOGY LEGEND SHEET	SHEET 3 OF 46

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%.

3. ALL SHARED USE PATH LONGITUDINAL RAMPS AT ROADWAY AND DRIVEWAY CROSSINGS SHALL NOT EXCEED 5%.

CONSTRUCTION

4. INITIAL TREE CLEARING AND TREE REMOVAL SHALL BE PAID FOR UNDER ITEM 201.10, “CLEARING AND GRUBBING, INCLUDING INDIVIDUAL TREES AND STUMPS”. IF THE RESIDENT ENGINEER REQUIRES ADDITIONAL TREE CLEARING AND REMOVAL SUBSEQUENT TO THE INITIAL CLEARING, THIS WORK WILL BE PAID UNDER ITEM 201.15, “REMOVING MEDIUM TREES”, AND ITEM 201.16, “REMOVING LARGE TREES”, AS APPROPRIATE.

5. ANY EXISTING SIGNS NOT REUSED SHALL REMAIN THE PROPERTY OF THE CITY OF BURLINGTON. THESE SIGNS SHALL BE REMOVED BY THE CONTRACTOR AND STOCKPILED FOR REMOVAL BY THE CITY. STOCKPILE LOCATION TO BE DETERMINED BY THE RESIDENT ENGINEER.

6. 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

   BURLINGTON ELECTRIC DEPARTMENT:
   - BRIAN SWEENEY, DISTRIBUTION ENGINEER; (802) 865-7324

   VERMONT GAS:
   - TIM VACHEREAU, CONSTRUCTION MANAGER (802) 863-4511

7. CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SECURITY AND JOB SAFETY. CONSTRUCTION ACTIVITIES SHALL BE IN ACCORDANCE WITH OSHA STANDARDS, STATE AND LOCAL REQUIREMENTS.

8. 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.

9. 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 UTILITIES INCLUDING GAS, WATER, SEWER AND 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. REMOVAL OF EXISTING CONCRETE BOLLARDS AND CONCRETE SIDEWALK SHALL BE PAID UNDER ITEM 203.16, “SOLID ROCK EXCAVATION”. SAWCUTTING OF EXISTING CONCRETE SHALL BE CONSIDERED INCIDENTAL TO THIS ITEM.

14. THE EXISTING WOODEN BIKE PATH SIGNS LOCATED WITHIN THE PROJECT ARE TO BE REMOVED AND DISPOSED OF BY THE CONTRACTOR. 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”.

15. THE CITY RESERVES FIRST RIGHT OF REFUSAL ON ANY ITEMS SALVAGED AS PART OF THE PROJECT.

16. CEDAR TREES REMOVED DURING CONSTRUCTION SHALL BE LIMBED AND THE TRUNKS SHALL BE STOCK PILED FOR REMOVAL BY THE CITY. STOCKPILE LOCATION TO BE DETERMINED BY THE RESIDENT ENGINEER. PAYMENT FOR CEDAR TREE REMOVAL, LIMBING AND STOCKPILING SHALL BE PAID FOR UNDER ITEM 201.10, “CLEARING AND GRUBBING, INCLUDING INDIVIDUAL TREES AND STUMPS”.

17. 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.

18. ALL JAPANESE KNOT WEED ENCOUNTERED DURING CONSTRUCTION SHALL BE REMOVED.....

19. ALL TREES MARKED “SAVE” OR “PROTECT” IN THE PLANS OR INSTRUCTED BY THE ENGINEER, SHALL FOLLOW TREATMENT AS SHOWN IN THE TREE PROTECTION DETAIL WITHIN THE PLANS. TREE PROTECTION SHALL BE PAID FOR UNDER ITEM 656.85, “TREE PROTECTION”.

UTILITY

20. 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. EXPLORATORY EXCAVATION SHALL BE PAID FOR UNDER ITEM 204.22 - TRENCH EXCAVATION OF EARTH, EXPLORATORY.

21. 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.

22. 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)

23. 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

24. 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.

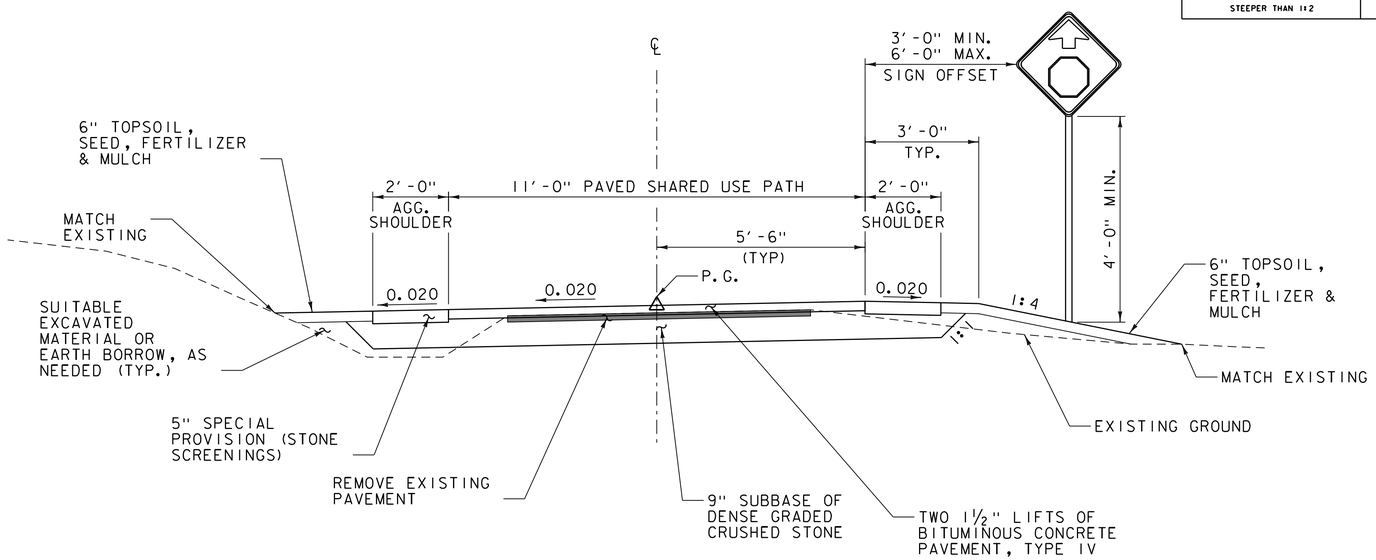
25. ALL CONNECTIONS BETWEEN PRECAST DRAINAGE STRUCTURES AND NEW DRAINAGE PIPES SHALL BE A BOOTED CONNECTION.

26. 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.

27. ALL MANHOLE COVERS THAT FALL WITHIN THE FINAL PATH OR SHOULDER LIMITS SHALL BE REPLACED WITH COVERS THAT HAVE A NON-SLIP SURFACE SUCH AS NEENAH PERMA-GRIP OR EQUIVALENT. PAYEMENT IS UNDER ITEM 604.55 “CAST IRON GRATE WITH FRAME”.

MATERIAL TOLERANCES	
MATERIAL ITEM	THICKNESS TOLERANCE
PAVEMENT (FULL DEPTH)	+/- 1/4" (TOTAL THICKNESS)
SUBBASE	1/2"
SAND BORROW	1"

RECOVERY AREA TABLE		
SIDE SLOPE	PAVED SURFACE	
	MIN.	PREFERRED
1:4 OR FLATTER	0	3'-0"
1:3	3'-0"	4'-0"
1:2	4'-0"	5'-0"
STEEPER THAN 1:2	5'-0"	>5'-0"

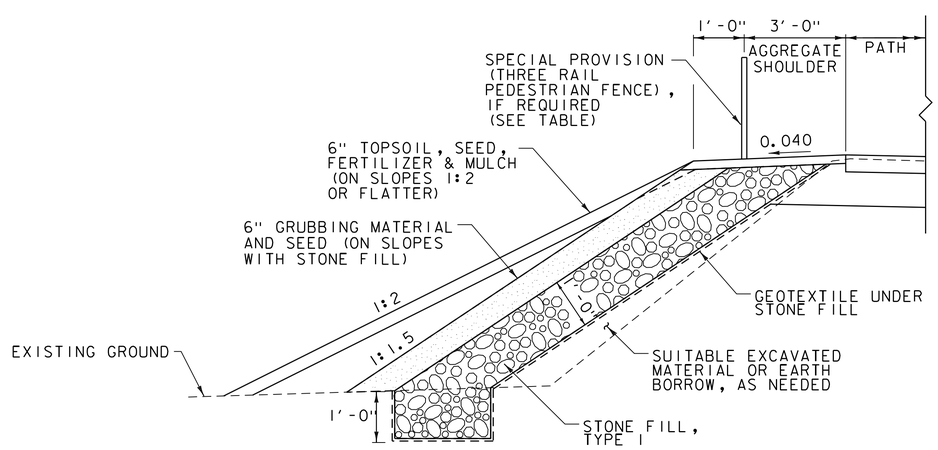


PATH TYPICAL SECTION (REVERSE CROWN)

SCALE 1/2" = 1'-0"
STA. 200+00.00 - STA. 216+27.12
STA. 300+25.00 - STA. 316+09.25
STA. 400+00.00 - STA. 410+25.00
STA. 416+25.00 - STA. 425+87.17

NOTES FOR ALL TYPICAL SECTIONS:

1. THE MINIMUM PAVED PATH WIDTH SHALL BE 11'-0" UNLESS NOTED OTHERWISE IN THE PLANS.
2. THE PATH SHALL HAVE A UNIFORM TWO PERCENT CROSS SLOPE IN THE DIRECTION SHOWN IN THE PLANS, AND THE SUBBASE SHALL BE GRADED TO MATCH.
3. ALL SHARED USE PATHS SHALL MEET THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT (ADA) TO THE EXTENTS POSSIBLE GIVEN EXISTING CONDITIONS. REFER TO THE AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG) FOR SPECIFIC DETAILS.
4. ANY TREE ROOTS ENCOUNTERED WITHIN THE EXCAVATION LIMITS SHALL BE PRUNED AND PROTECTED. THE COST OF THIS WORK IS INCIDENTAL TO ITEM 201.10, "CLEARING AND GRUBBING, INCLUDING INDIVIDUAL TREES AND STUMPS".
5. STONE FILL, TYPE I, IS REQUIRED ON ANY SLOPE STEEPER THAN 1:2. A 6" LAYER OF GRUBBING MATERIAL OVER THE STONE IS ALSO 6EQUIRED AND PAID UNDER THE RESPECTIVE UNIT ITEMS.
   A) ANY SLOPES ADJACENT TO WETLANDS OR STREAMS SHALL USE GRUBBING MATERIAL AS A COVER FOR THE STONE FILL.
   B) STONE COVERED SLOPES IN DRY AREAS SHALL USE EARTH BORROW AS A COVER MATERIAL. COVER MATERIAL SHALL BE SEEDED AND MULCHED.
6. DITCHES SHALL RECEIVE THE FOLLOWING TREATMENTS BASED ON THEIR SLOPE, UNLESS SHOWN OTHERWISE ON THE PLANS.
   A) 0-1% SEED AND MULCH
   B) 1-2.5% ROLLED EROSION CONTROL PRODUCT, TYPE I AND SEED
   C) 2.5-10% TYPE I STONE FILL - 1'-0" DEPTH
   D) >10% TYPE II STONE FILL - 2'-0" DEPTH
7. PAYMENT OF DITCH LINE TREATMENTS SHALL BE UNDER THE FOLLOWING RESPECTIVE VTRANS UNIT ITEMS:
   A) SEED - 651.15
   B) HAY MULCH - 653.10
   C) ROLLED EROSION CONTROL PRODUCT, TYPE I - 653.20
   D) TYPE I STONE FILL - 613.10
   E) TYPE II STONE FILL - 613.11
8. SEE EPSC NOTES FOR SEED AND SOIL SUPPLEMENT SPECIFICATIONS.
9. AGGREGATE SHOULDER SHALL BE PAID UNDER ITEM NO. 900.608 SPECIAL PROVISION (STONE SCREENINGS).
10. EMULSIFIED ASPHALT SHALL BE APPLIED AT A RATE OF 0.040 GAL/SY WHERE INDICATED.
11. SAWCUTTING OF EXISTING PAVEMENT IS INCIDENTAL TO ITEM 406.25 "MARSHALL BITUMINOUS CONCRETE PAVEMENT".
12. TOPSOIL SHALL NOT BE SOURCED FROM WITHIN THE CITY OF BURLINGTON.



ALTERNATIVE SLOPE TREATMENTS

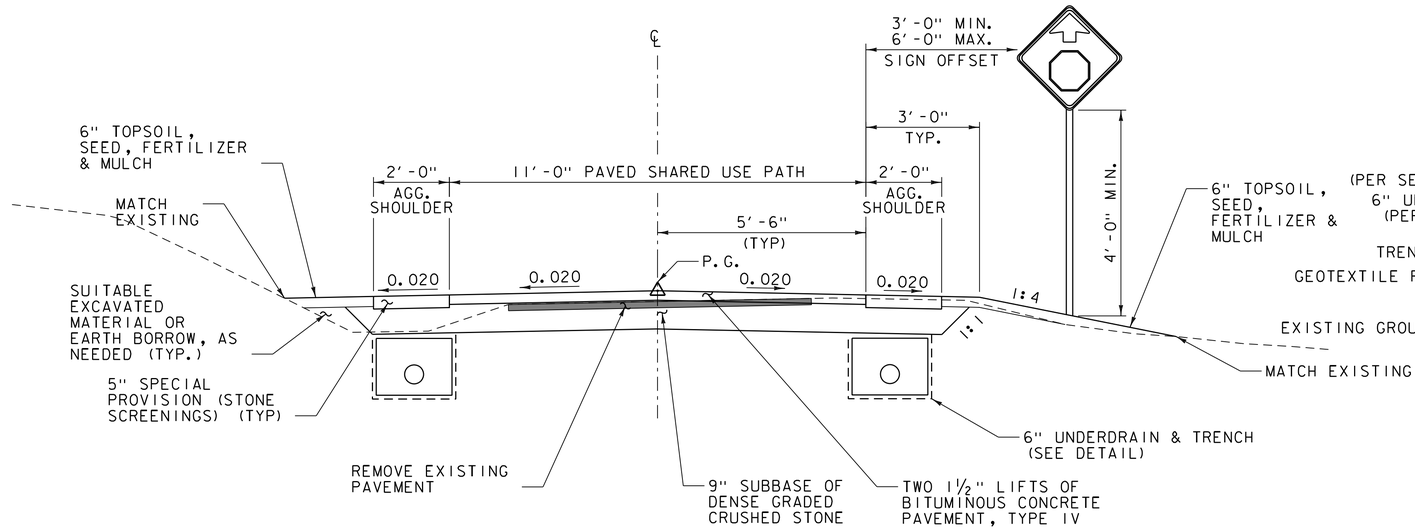
N.T.S.

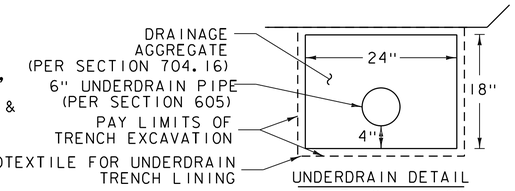
PROJECT NAME:	BURLINGTON BIKE PATH PHASE 3
PROJECT NUMBER:	58109.00

FILE NAME: 58109typ.dgn	PLOT DATE: 12/5/2018
PROJECT LEADER: E.P. DETRICK	DRAWN BY: C.K.FORD
DESIGNED BY: B.M.ROBERTS	CHECKED BY: E.P. DETRICK
TYPICAL SECTIONS (1 OF 4)	SHEET 5 OF 46

MATERIAL TOLERANCES	
MATERIAL ITEM	THICKNESS TOLERANCE
PAVEMENT (FULL DEPTH)	+/- 1/4" (TOTAL THICKNESS)
SUBBASE	1/2"
SAND BORROW	1"

RECOVERY AREA TABLE		
SIDE SLOPE	PAVED SURFACE	
	MIN.	PREFERRED
1:4 OR FLATTER	0	3'-0"
1:3	3'-0"	4'-0"
1:2	4'-0"	5'-0"
STEEPER THAN 1:2	5'-0"	>5'-0"





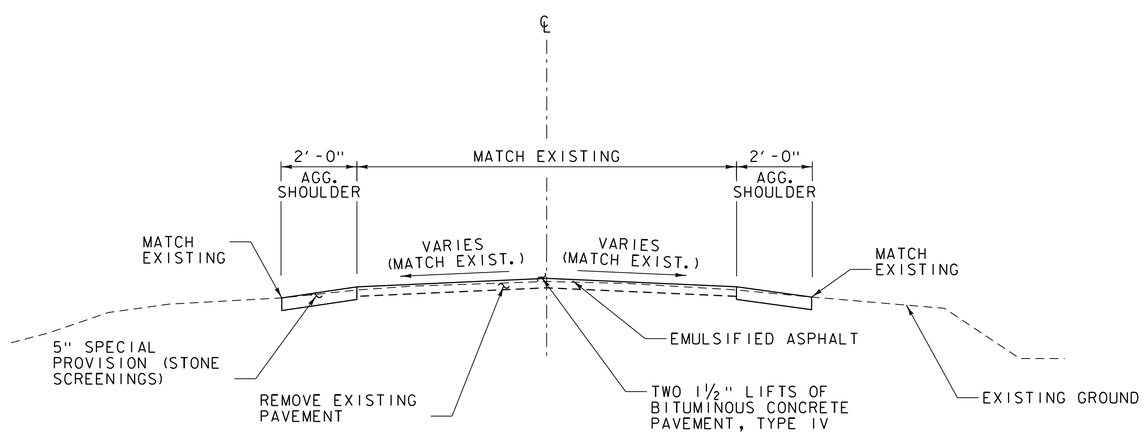
UNDERDRAIN DETAIL
SCALE 1" = 1'-0"

NORMAL CROWN PATH TYPICAL SECTION WITH UNDERDRAIN

SCALE 1/2" = 1'-0"
STATION LIMITS TO BE DETERMINED

NORMAL CROWN PATH (NO UNDERDRAIN)

SCALE 1/2" = 1'-0"
STATION LIMITS TO BE DETERMINED



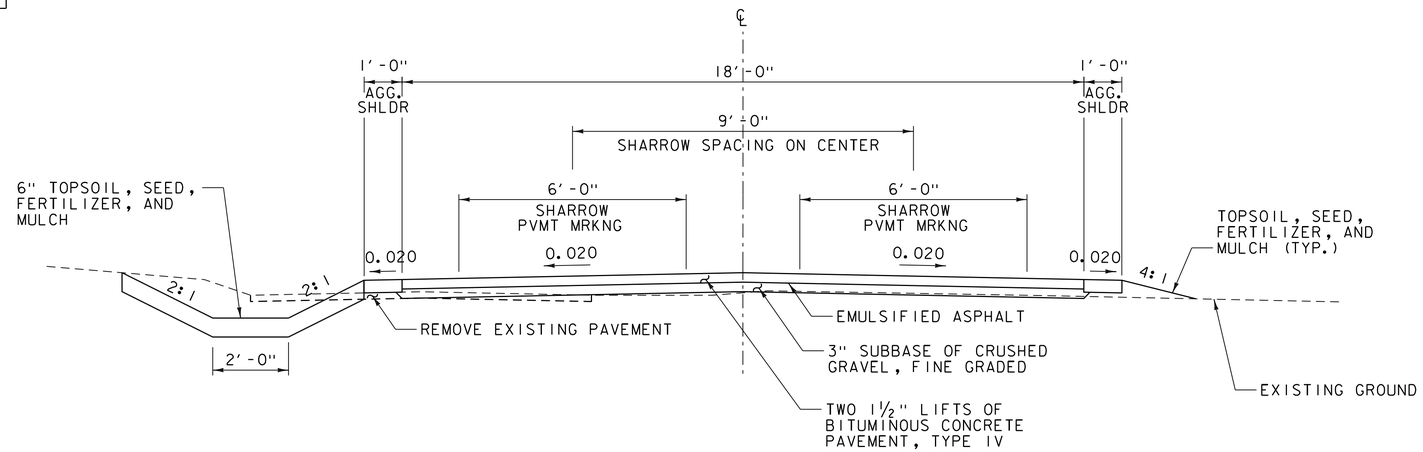
PAVEMENT OVERLAY TYPICAL SECTION

SCALE 1/2" = 1'-0"
(SEGMENT 0)

PROJECT NAME:	BURLINGTON BIKE PATH PHASE 3
PROJECT NUMBER:	58109.00

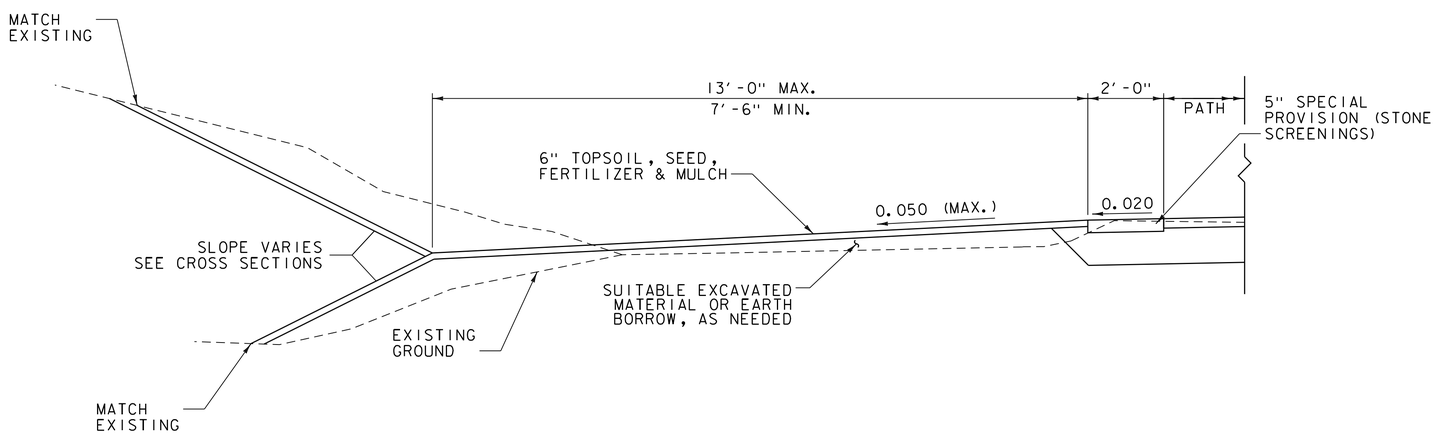
FILE NAME: 58109typ.dgn	PLOT DATE: 12/5/2018
PROJECT LEADER: E.P. DETRICK	DRAWN BY: C.K.FORD
DESIGNED BY: B.M.ROBERTS	CHECKED BY: E.P. DETRICK
TYPICAL SECTIONS (2 OF 4)	SHEET 6 OF 46

MATERIAL TOLERANCES	
MATERIAL ITEM	THICKNESS TOLERANCE
PAVEMENT (FULL DEPTH)	+/- 1/4" (TOTAL THICKNESS)
SUBBASE	1/2"
SAND BORROW	1"



PROCTOR PLACE PAVEMENT OVERLAY TYPICAL SECTION

N.T.S.



STORMWATER DISCONNECTION TREAMENT

N.T.S.

DISCONNECTION CREDIT REQUIREMENTS

1. THE MAXIMUM CONTRIBUTING FLOW PATH LENGTH ACROSS ROOFTOP OR ROADWAY TO A DISCHARGE LOCATION SHALL BE 75 FEET OR LESS.

2. THE AMOUNT OF CONTRIBUTING IMPERVIOUS AREA (ROOFTOP OR ROAD SURFACE) 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.

4. THE ENTIRE VEGETATIVE "DISCONNECTION" SHALL BE ON A SLOPE LESS THAN OR EQUAL TO 5.0%.

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

PROJECT NAME: BURLINGTON BIKE PATH PHASE 3	
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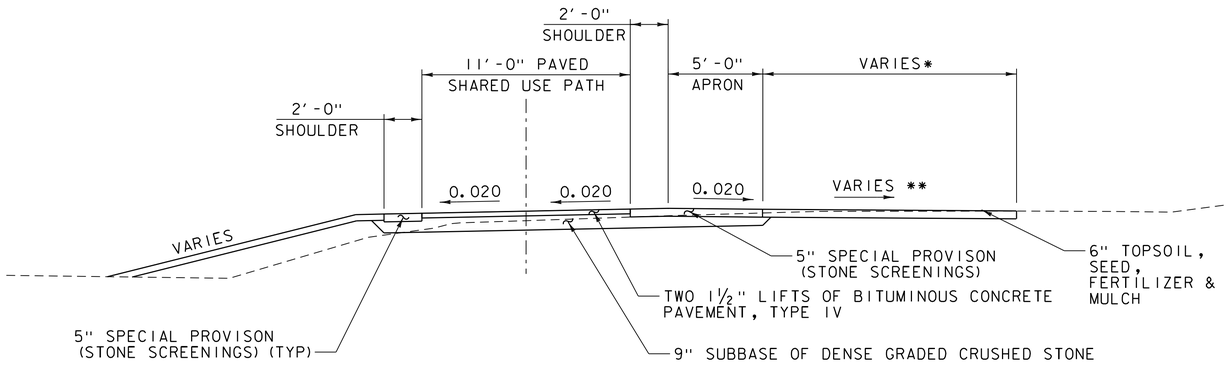
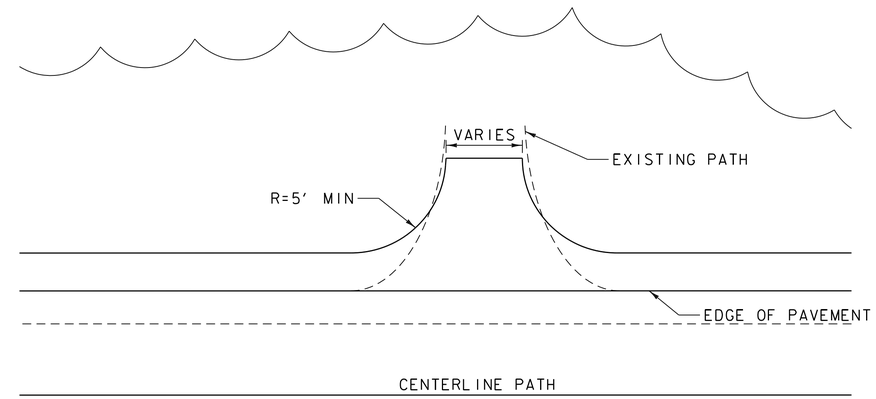
DESIGNED BY: B.M.ROBERTS	CHECKED BY: E.P. DETRICK
TYPICAL SECTIONS (3 OF 4)	SHEET 7 OF 46



* RESIDENT ENGINEER TO DETERMINE LIMITS OF SIDE PATH REQUIRED BEFORE MATCHING EXISTING.
** SLOPE TO BE TO BE DETERMINED BY RESIDENT ENGINEER.

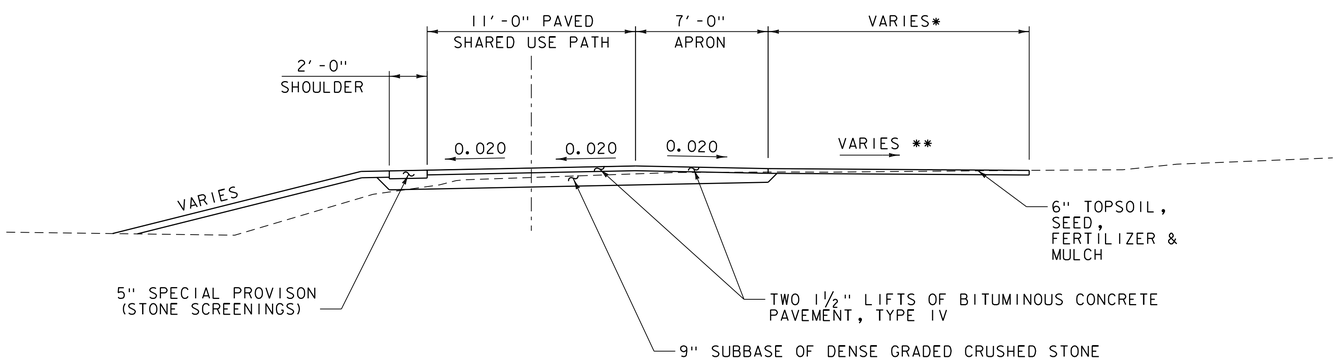
GRAVEL SIDE PATH TYPICAL SECTION

SCALE: 1/4" - 1'-0"



GRAVEL SIDE PATH TYPICAL PLAN

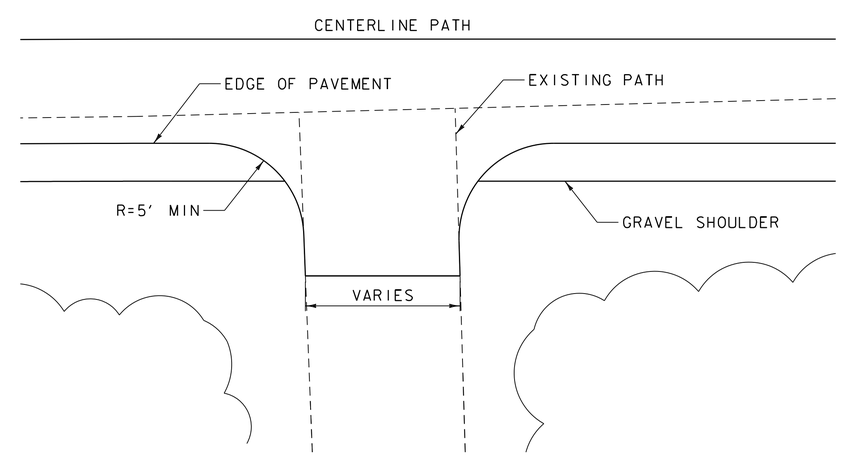
SCALE: 1/4" - 1'-0"



* RESIDENT ENGINEER TO DETERMINE LIMITS OF SIDE PATH REQUIRED BEFORE MATCHING EXISTING.
** SLOPE TO BE TO BE DETERMINED BY RESIDENT ENGINEER.

PAVED SIDE PATH TYPICAL

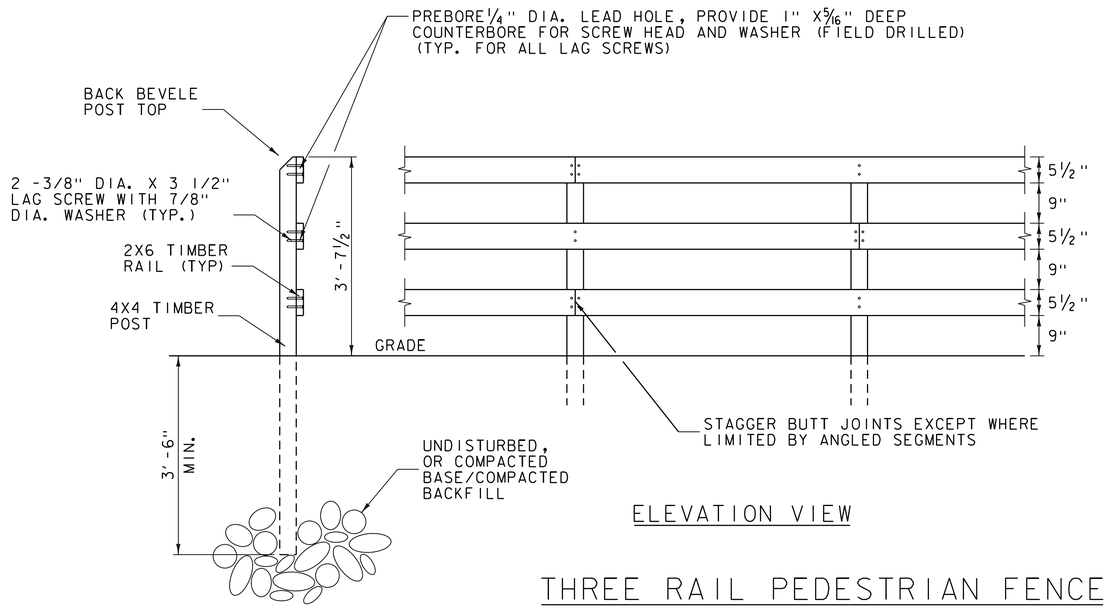
SCALE: 1/4" - 1'-0"



PAVED SIDE PATH TYPICAL PLAN

SCALE: 1/4" - 1'-0"

PROJECT NAME: BURLINGTON BIKE PATH PHASE 3	
PROJECT NUMBER: 58109.00	
FILE NAME: 58109typ.dgn	PLOT DATE: 12/5/2018
PROJECT LEADER: E.P. DETRICK	DRAWN BY: C.K.FORD
DESIGNED BY: B.M.ROBERTS	CHECKED BY: E.P. DETRICK
TYPICAL SECTIONS (4 OF 4)	SHEET 8 OF 46

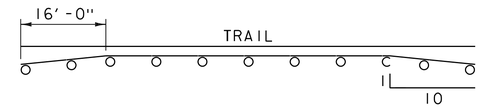


ELEVATION VIEW

SECTION VIEW

THREE RAIL PEDESTRIAN FENCE

NOT TO SCALE

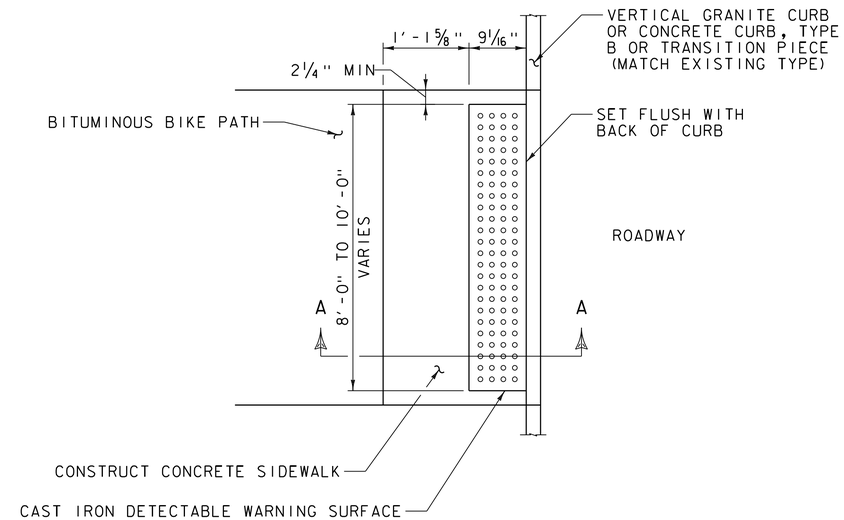


PLAN VIEW

* TAPER ENDS OF RAILING AS SHOWN

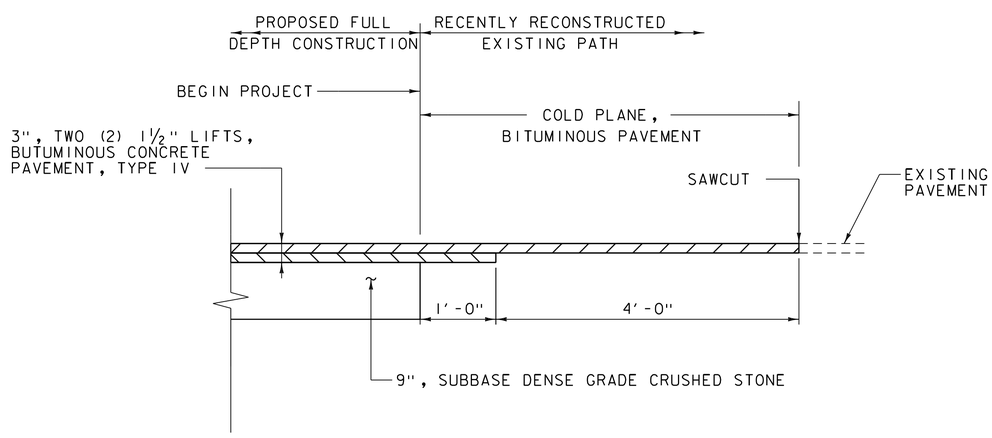
NOTES:

1. POSTS AND RAILS SHALL CONFORM TO 709.01 - STRUCTURAL LUMBER AND TIMBER.



DETECTABLE WARNING SURFACE

NOT TO SCALE



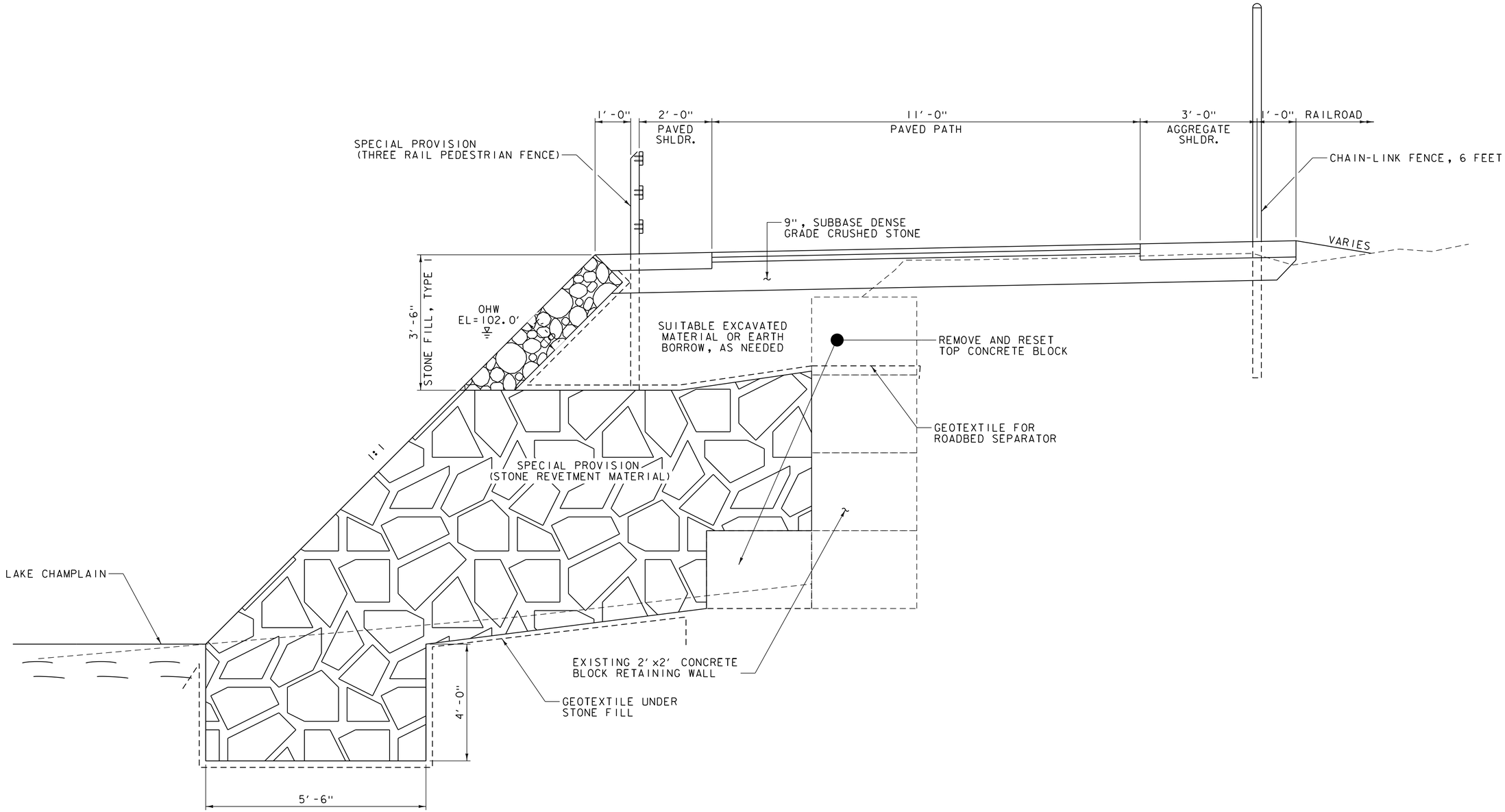
BIKE PATH LONGITUDINAL TRANSITION

SCALE 1" = 1' - 0"

TYPICAL PATH CENTERLINE PAVEMENT MARKING

NOT TO SCALE

PROJECT NAME: BURLINGTON BIKE PATH PHASE 3	
PROJECT NUMBER: 58109.00	
FILE NAME: 58109det.dgn	PLOT DATE: 12/5/2018
PROJECT LEADER: E.P. DETRICK	DRAWN BY: C.K.FORD
DESIGNED BY: B.M.ROBERTS	CHECKED BY: E.P. DETRICK
DETAIL SHEET	SHEET 9 OF 46

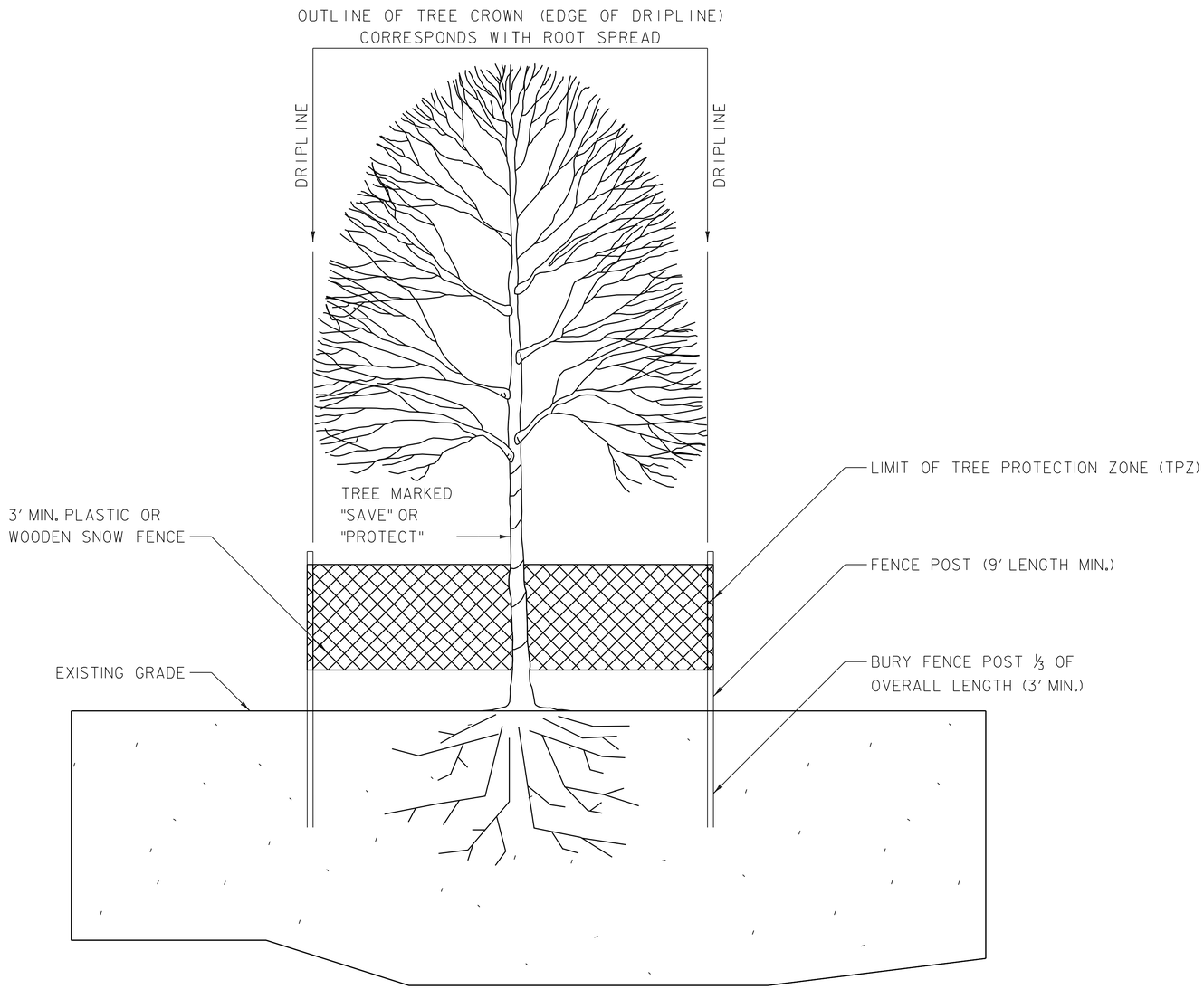


STONE REVETMENT INSTALLATION

NOT TO SCALE
STA. 400+15 - STA. 400+70, LT

PROJECT NAME:	BURLINGTON BIKE PATH PHASE 3
PROJECT NUMBER:	58109.00

FILE NAME: 58109det.dgn	PLOT DATE: 12/5/2018
PROJECT LEADER: E.P. DETRICK	DRAWN BY: C.K.FORD
DESIGNED BY: B.M.ROBERTS	CHECKED BY: E.P. DETRICK
DETAIL SHEET	SHEET 10 OF 46



NOTES:

1. SEE VTRANS SPECIFICATION 656.11, TREE PROTECTION, FOR STEPS TO MINIMIZE SOIL AND ROOT DISTURBANCE AND GUIDANCE TO CONSTRUCT PROTECTION MEASURES FOR TREES CLOSE TO CONSTRUCTION AREAS.
2. NO WORK, NOR HEAVY EQUIPMENT STORAGE SHALL BE WITHIN A TREE PROTECTION ZONE.

TREE PROTECTION

NOT TO SCALE
STA. 400+15 - STA. 400+70, LT

PROJECT NAME: BURLINGTON BIKE PATH PHASE 3	
PROJECT NUMBER: 58109.00	
FILE NAME: 58109det.dgn	PLOT DATE: 12/5/2018
PROJECT LEADER: E.P. DETRICK	DRAWN BY: B.M. ROBERTS
DESIGNED BY: B.M.ROBERTS	CHECKED BY: E.P. DETRICK
DETAIL SHEET	SHEET 11 OF 46

SEGMENT 1

POINT	STATION	NORTHING	EASTING
PT	135+40.44	714588.74	1451847.40
POE	138+75.75	714817.31	1451980.21

SEGMENT 1 EXTENDS FROM PROCTOR PLACE
TO HARRISON AVENUE.
LENGTH OF SEGMENT 1 = 335.31 FT

SEGMENT 2

POINT	STATION	NORTHING	EASTING
POB	200+00.00	714817.31	1451980.21
POE	216+27.12	715708.92	1452749.12

SEGMENT 2 EXTENDS FROM HARRISON AVENUE
TO LAKESIDE AVENUE.
LENGTH OF SEGMENT 2 = 1,627.12FT

SEGMENT 3

POINT	STATION	NORTHING	EASTING
POB	300+00.00	715708.92	1452749.12
POE	316+09.25	717316.24	1452733.53

SEGMENT 3 EXTENDS FROM LAKESIDE AVENUE TO
THE BEGINNING OF THE LAKE SHORE.
LENGTH OF SEGMENT 3 = 1,609.25 FT

SEGMENT 4

POINT	STATION	NORTHING	EASTING
POB	400+00.00	717316.24	1452733.53
POE	425+87.17	719696.94	1452337.70

SEGMENT 4 EXTENDS FROM BEGINNING OF THE
LAKE SHORE TO PERKINS PIER.
LENGTH OF SEGMENT 4 = 2,587.17 FT

SEGMENT 5

POINT	STATION	NORTHING	EASTING
POB	1000+00.00	719696.94	1452337.70
POE	1007+50.70	720164.14	1452643.35

SEGMENT 5 EXTENDS FROM PERKINS PIER TO
MAPLE STREET.
LENGTH OF SEGMENT 5 = 750.70FT

LEGEND

POB POINT OF BEGINNING ALIGNMENT
POE POINT OF END ALIGNMENT

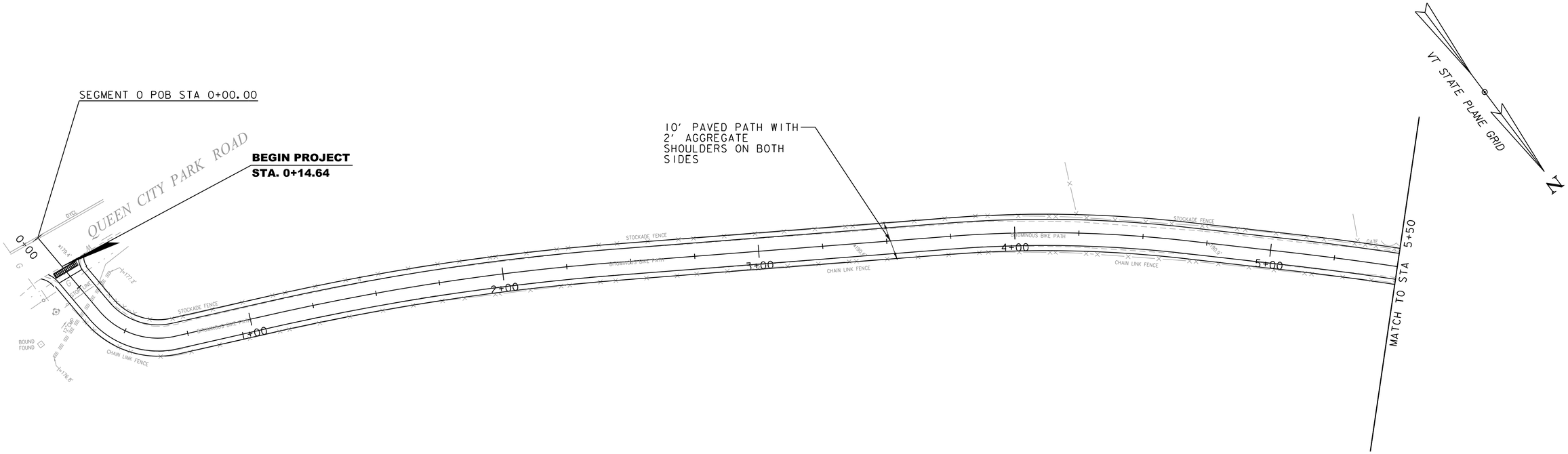
NOTES:

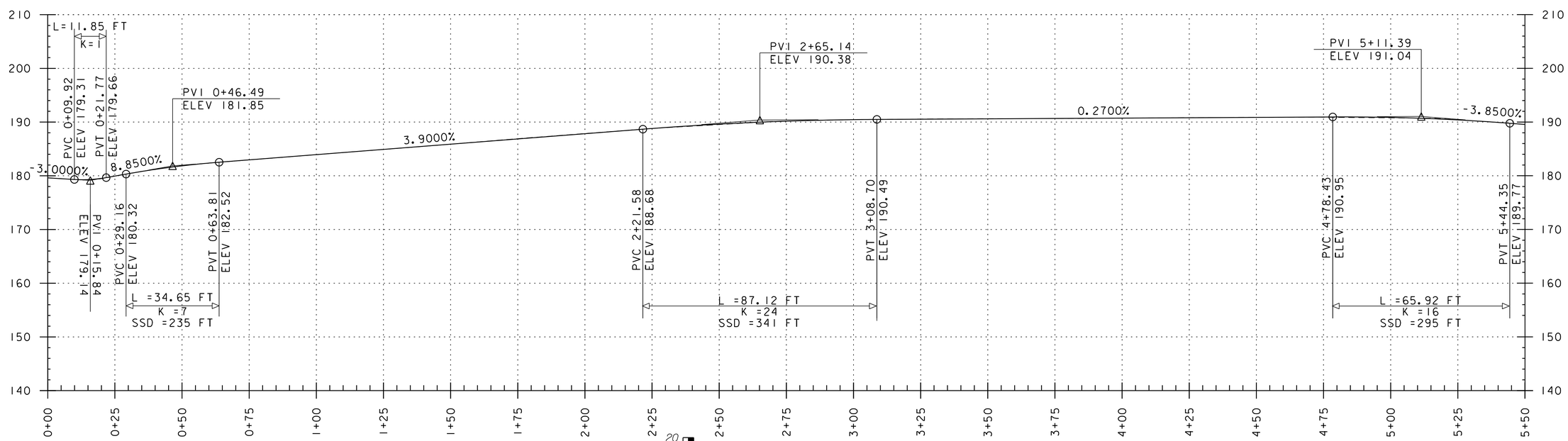
BASELINE STATIONING IS NOT CONTINUOUS.
EQUALITIES HAVE BEEN INCORPORATED INTO THE
BASELINE STATIONING. SEE LAYOUT SHEETS FOR
EQUALITY INFORMATION AND CURVE DATA.

PROJECT NAME: BURLINGTON BIKE PATH PHASE 3
PROJECT NUMBER: 58109.00

FILE NAME: z58109ali_pt.dgn
PROJECT LEADER: E.P.DETRICK
DESIGNED BY: B.M.ROBERTS
ALIGNMENT POINTS SHEET

PLOT DATE: 12/5/2018
DRAWN BY: C.K.FORD
CHECKED BY: E.P.DETRICK
SHEET 12 OF 46





THE GRADES SHOWN TO THE NEAREST TENTH ARE THE ORIGINAL GROUND ELEVATIONS LONG THE PROPOSED ALIGNMENT.

THE GRADES SHOWN TO THE NEAREST HUNDREDTH ARE THE FINISH GRADES ALONG THE PROPOSED ALIGNMENT.

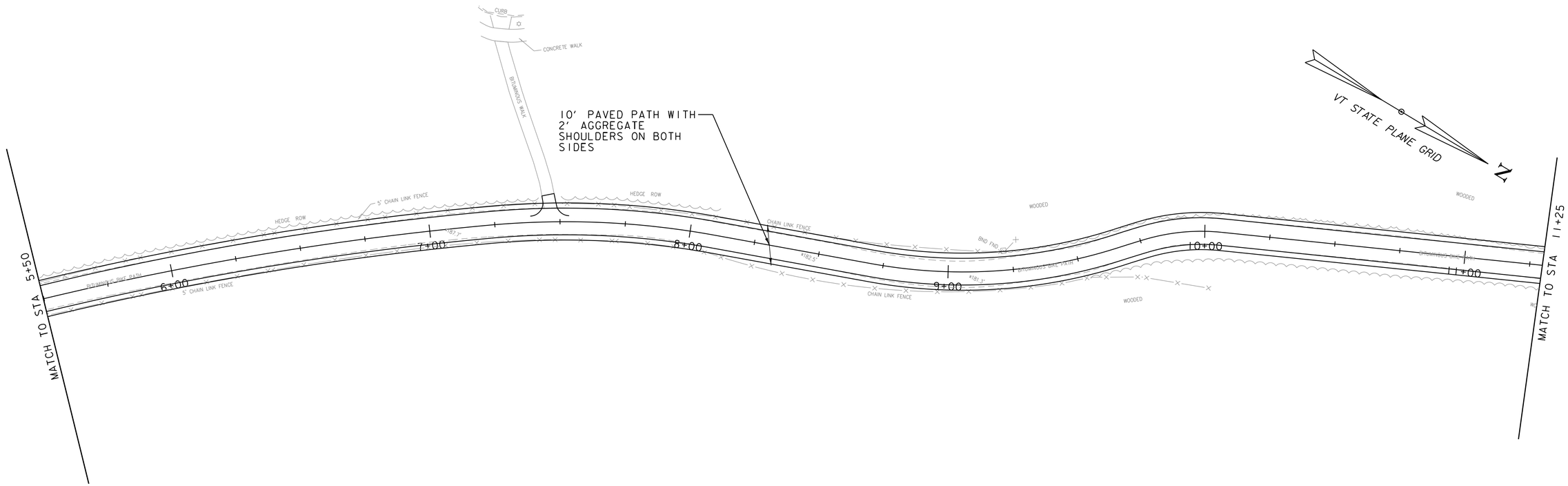
STATIONING AND ELEVATIONS IN FEET (TYP.)

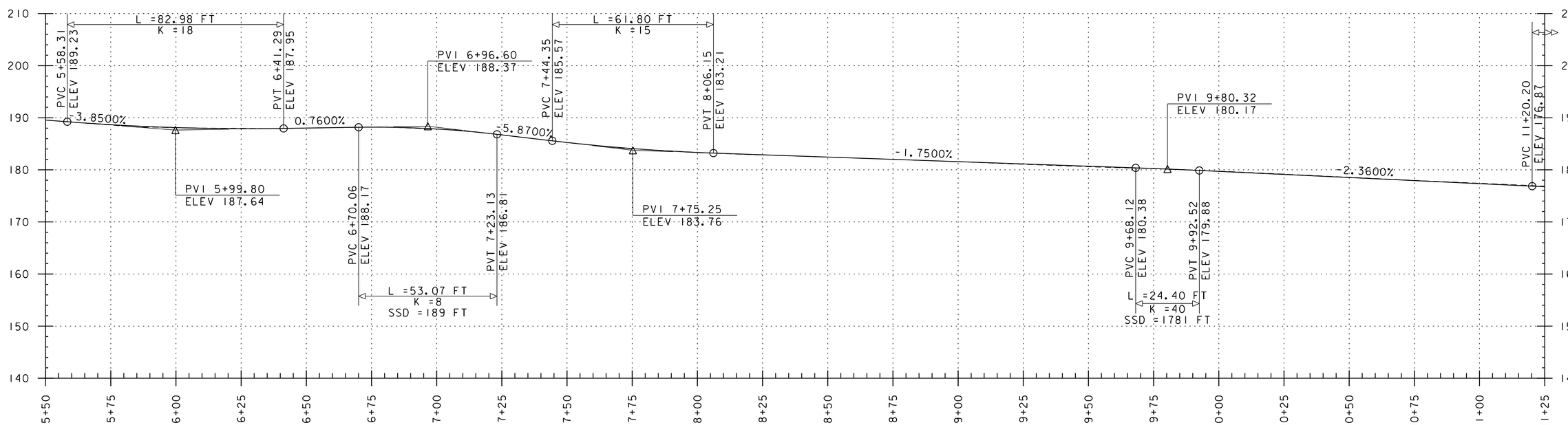
20 10 0

0 20 40
SCALE IN FEET

vhb

PROJECT NAME: BURLINGTON BIKE PATH PHASE 3	
PROJECT NUMBER: 58109.00	
FILE NAME: 58109bdr_nul.dgn	PLOT DATE: 10/19/2018
PROJECT LEADER: E.P.DETRICK	DRAWN BY: B.M.ROBERTS
DESIGNED BY: B.M.ROBERTS	CHECKED BY: E.P.DETRICK
PLAN AND PROFILE (SHEET 1OF 22)	SHEET 12 OF 60





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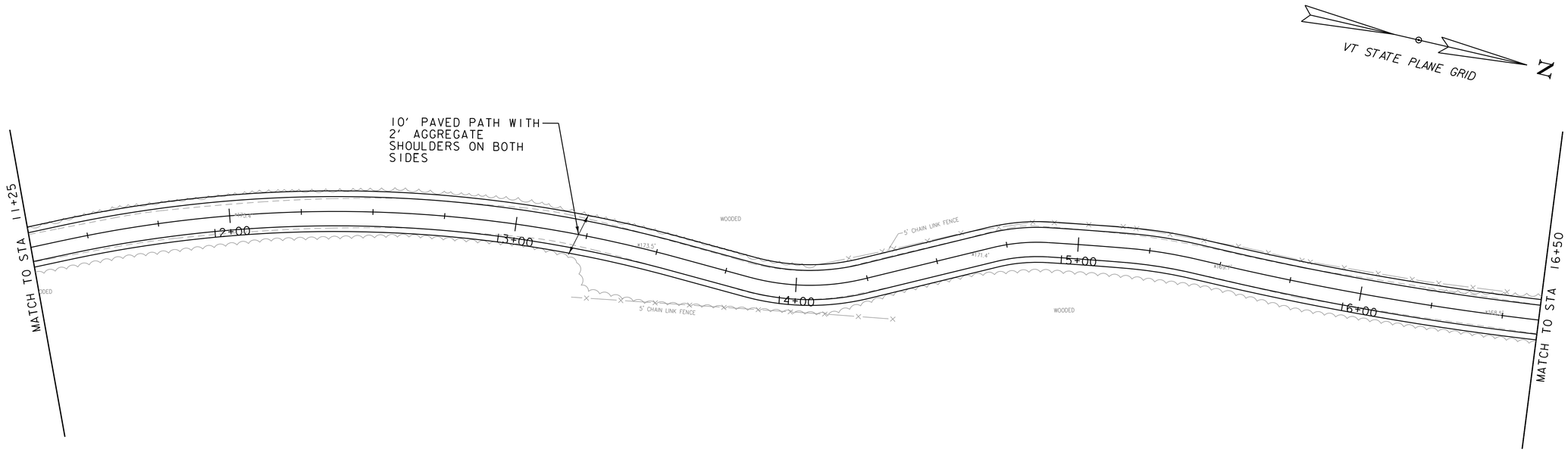
STATIONING AND ELEVATIONS IN FEET (TYP.)

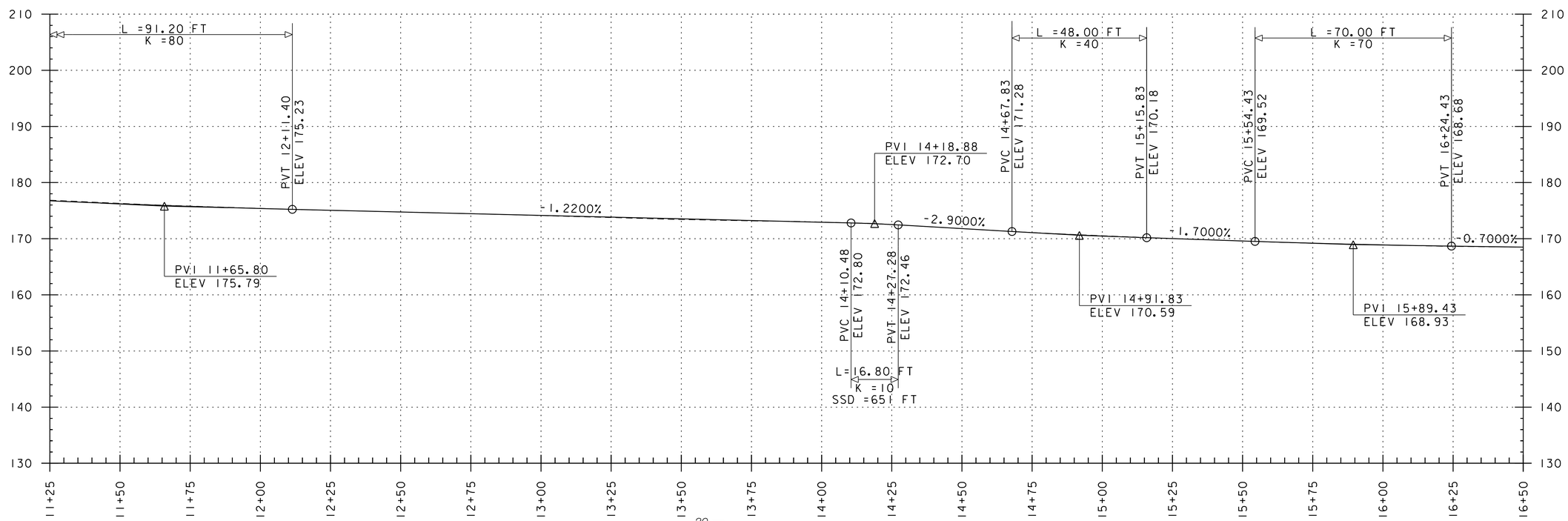
20 10 0

0 20 40
SCALE IN FEET

vhb

PROJECT NAME: BURLINGTON BIKE PATH PHASE 3	
PROJECT NUMBER: 58109.00	
FILE NAME: 58109bdr_nul.dgn	PLOT DATE: 10/19/2018
PROJECT LEADER: E.P.DETRICK	DRAWN BY: B.M.ROBERTS
DESIGNED BY: B.M.ROBERTS	CHECKED BY: E.P.DETRICK
PLAN AND PROFILE (SHEET 2 OF 22)	SHEET 13 OF 60





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STATIONING AND ELEVATIONS IN FEET (TYP.)

20 10 0

0 20 40
SCALE IN FEET

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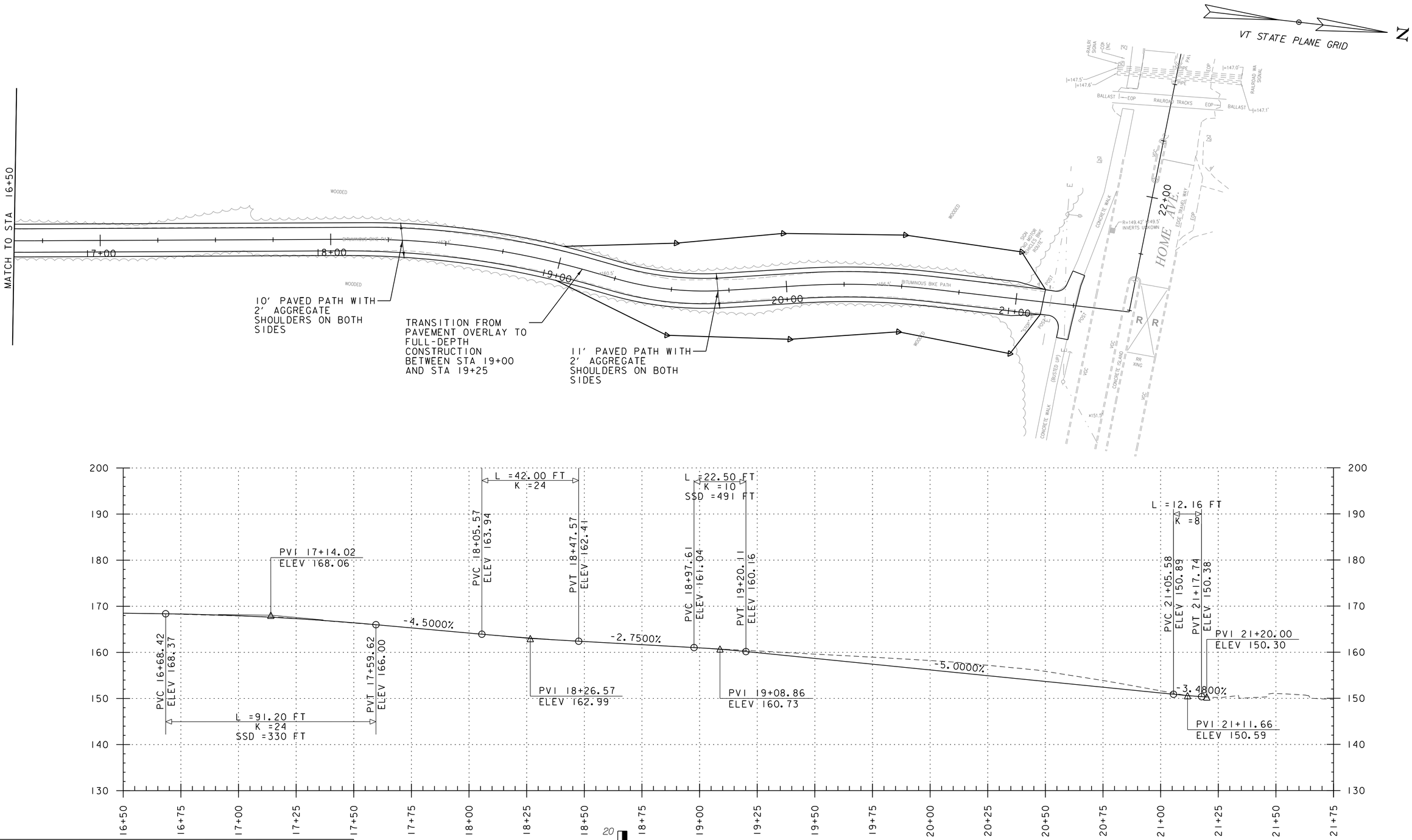
PROJECT NUMBER: 58109.00	
FILE NAME: 58109bdr_nul.dgn	PLOT DATE: 10/19/2018
PROJECT LEADER: E.P.DETRICK	DRAWN BY: B.M.ROBERTS
DESIGNED BY: B.M.ROBERTS	CHECKED BY: E.P.DETRICK
PLAN AND PROFILE (SHEET 3 OF 22)	SHEET 14 OF 60



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STATIONING AND ELEVATIONS IN FEET (TYP.)

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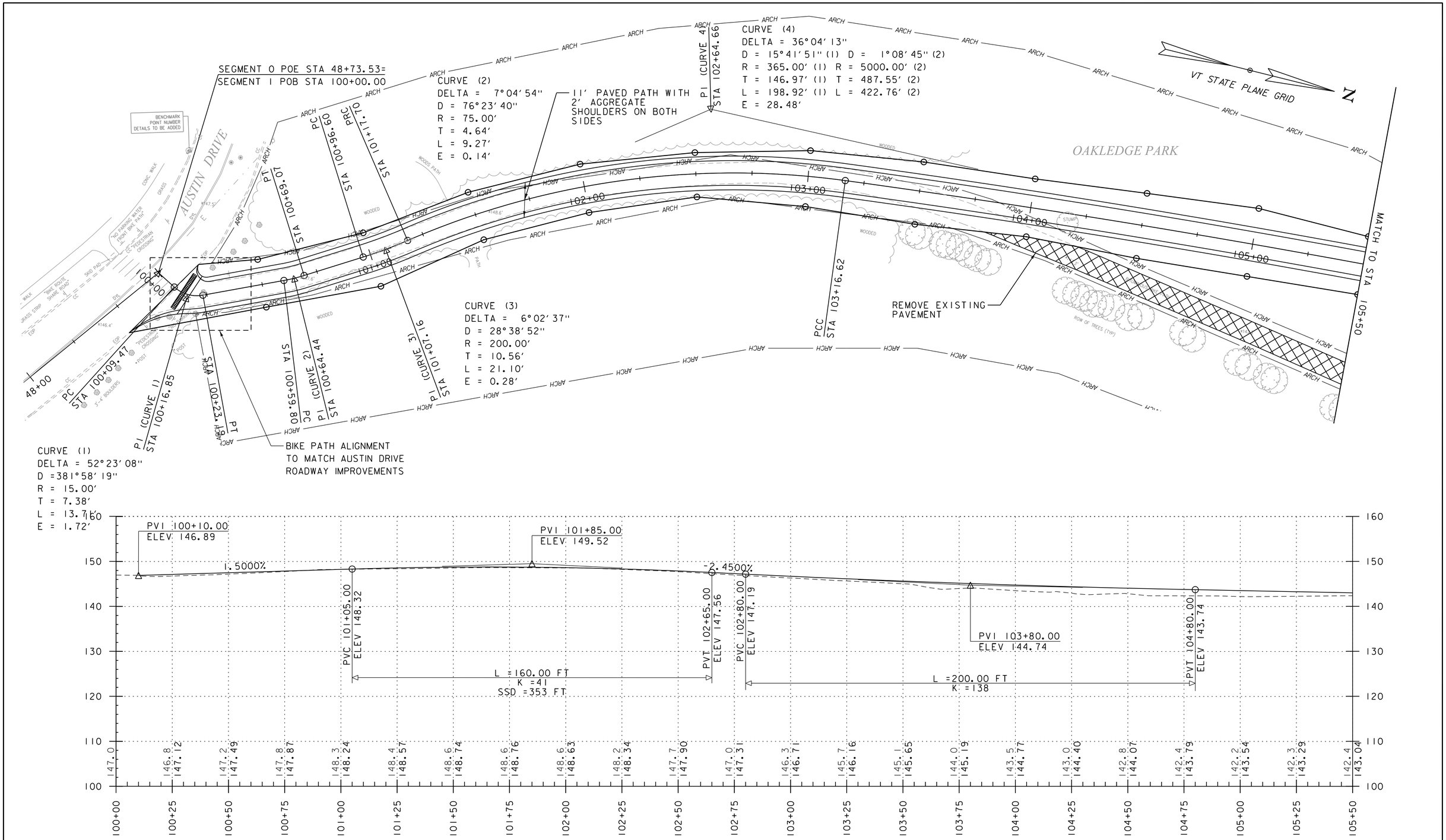
DESIGNED BY: B.M.ROBERTS	CHECKED BY: E.P.DETRICK
PLAN AND PROFILE (SHEET 4 OF 22)	SHEET 15 OF 60



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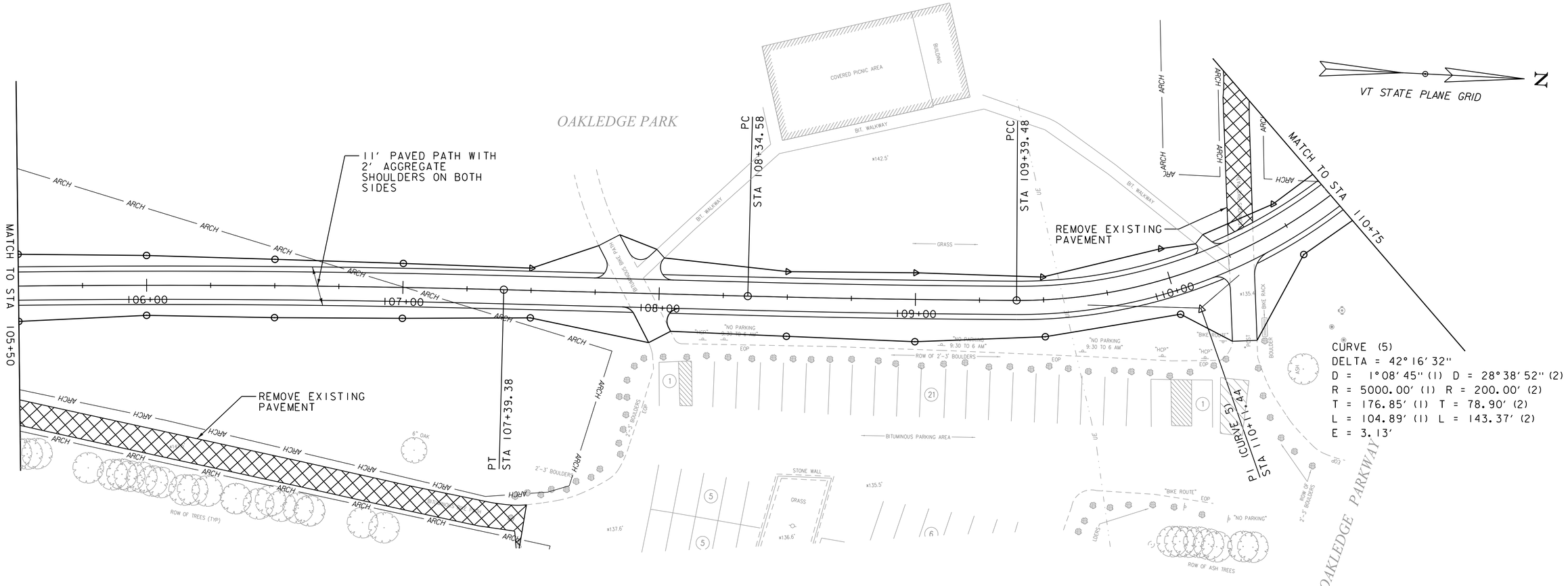
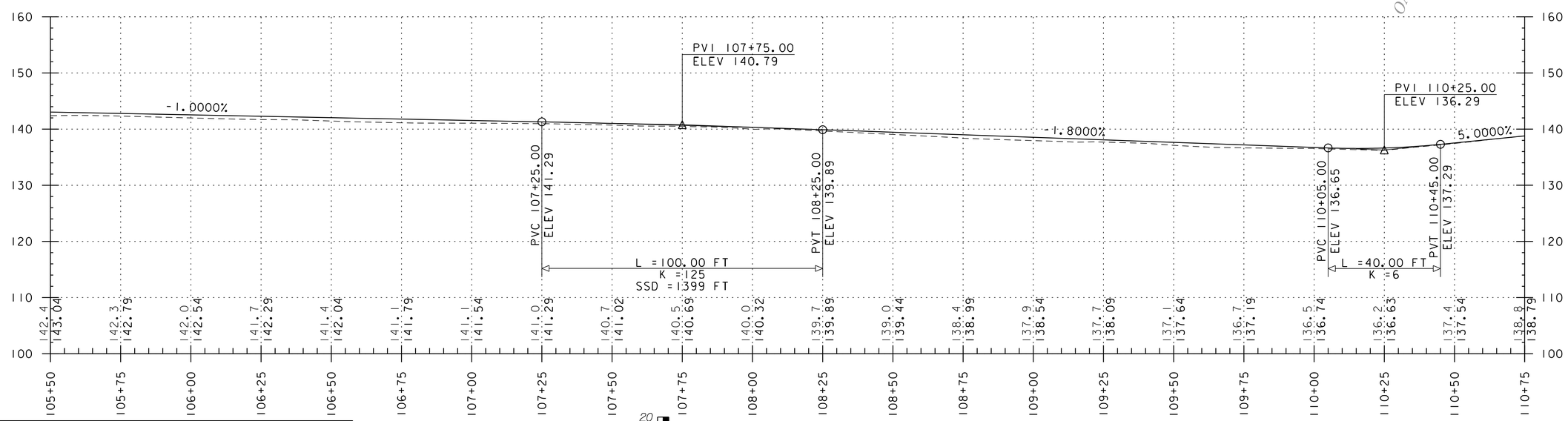
STATIONING AND ELEVATIONS IN FEET (TYP.)

vhb

PROJECT NAME: BURLINGTON BIKE PATH PHASE 3	
PROJECT NUMBER: 58109.00	
FILE NAME: 58109bdr_nul.dgn	PLOT DATE: 10/19/2018
PROJECT LEADER: E.P.DETRICK	DRAWN BY: B.M.ROBERTS
DESIGNED BY: B.M.ROBERTS	CHECKED BY: E.P.DETRICK
PLAN AND PROFILE (SHEET 5 OF 22)	SHEET 16 OF 60





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STATIONING AND ELEVATIONS IN FEET (TYP.)

20 10 0

0 20 40
SCALE IN FEET

vhb

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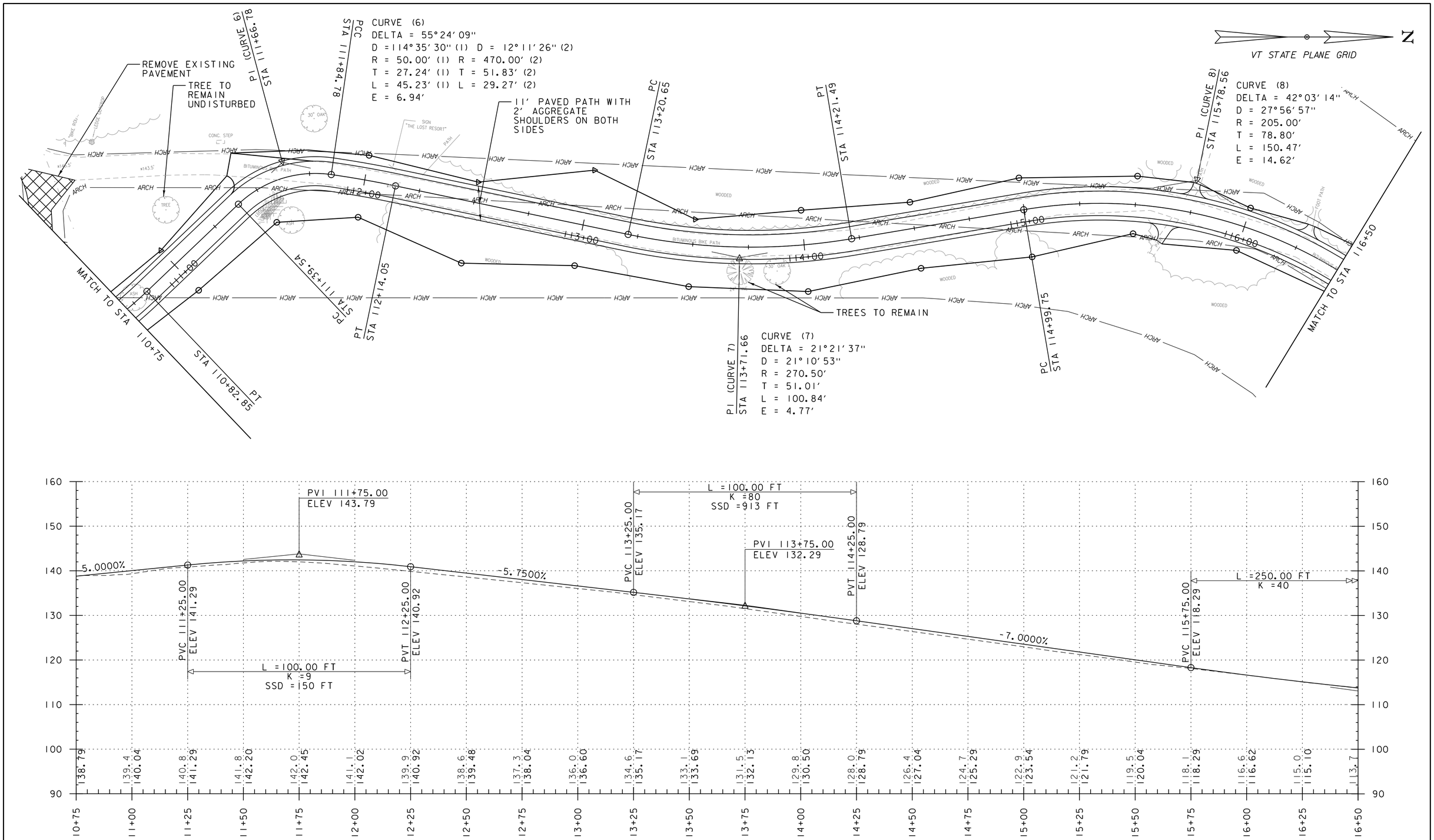
PROJECT NUMBER: 58109.00	
FILE NAME: 58109bdr_nul.dgn	PLOT DATE: 10/19/2018
PROJECT LEADER: E.P.DETRICK	DRAWN BY: B.M.ROBERTS
DESIGNED BY: B.M.ROBERTS	CHECKED BY: E.P.DETRICK
PLAN AND PROFILE (SHEET 6 OF 22)	SHEET 17 OF 60



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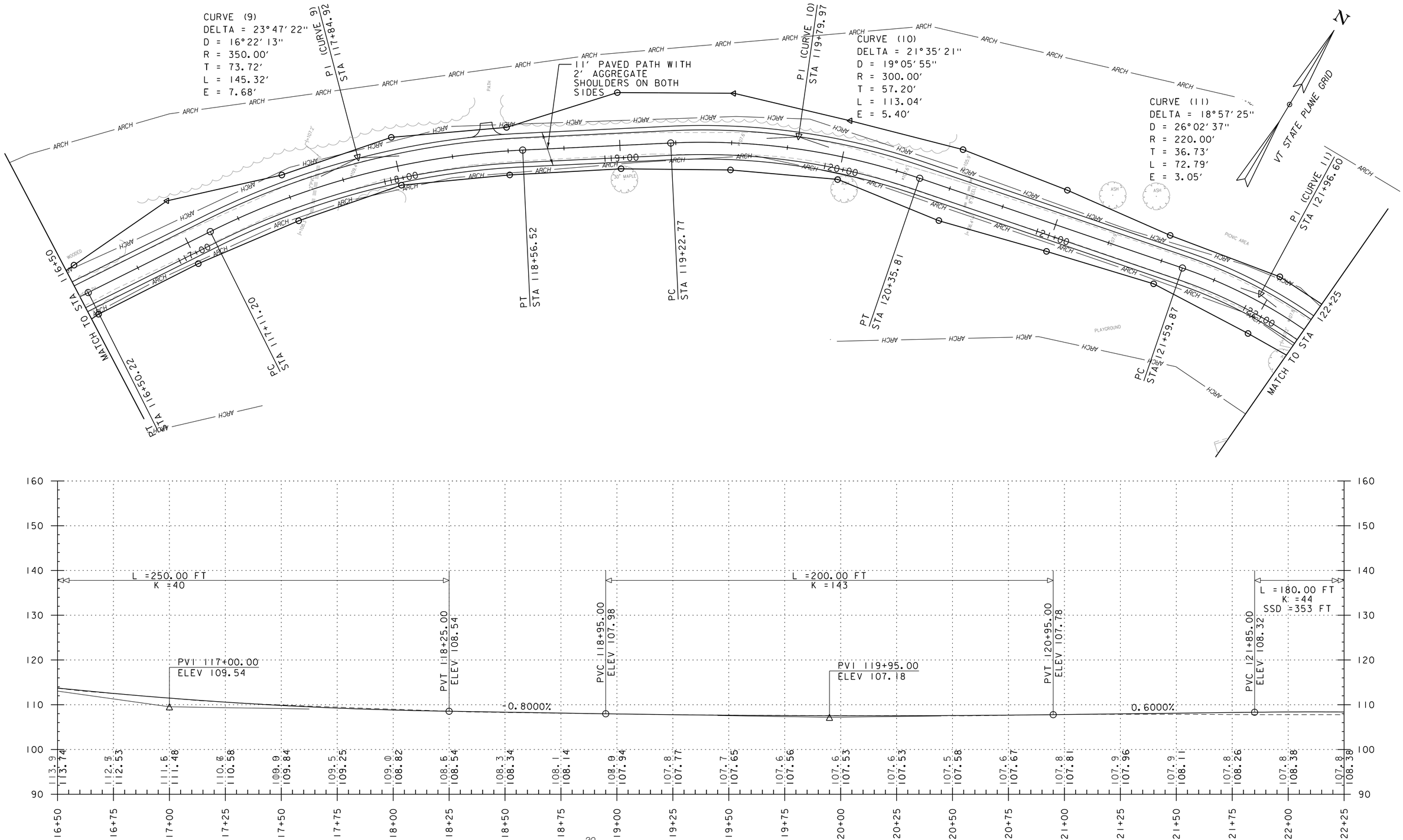
STATIONING AND ELEVATIONS IN FEET (TYP.)

vhb

PROJECT NAME: BURLINGTON BIKE PATH PHASE 3	
PROJECT NUMBER: 58109.00	
FILE NAME: 58109bdr_nul.dgn	PLOT DATE: 10/19/2018
PROJECT LEADER: E.P.DETRICK	DRAWN BY: B.M.ROBERTS
DESIGNED BY: B.M.ROBERTS	CHECKED BY: E.P.DETRICK
PLAN AND PROFILE (SHEET 7 OF 22)	SHEET 18 OF 60



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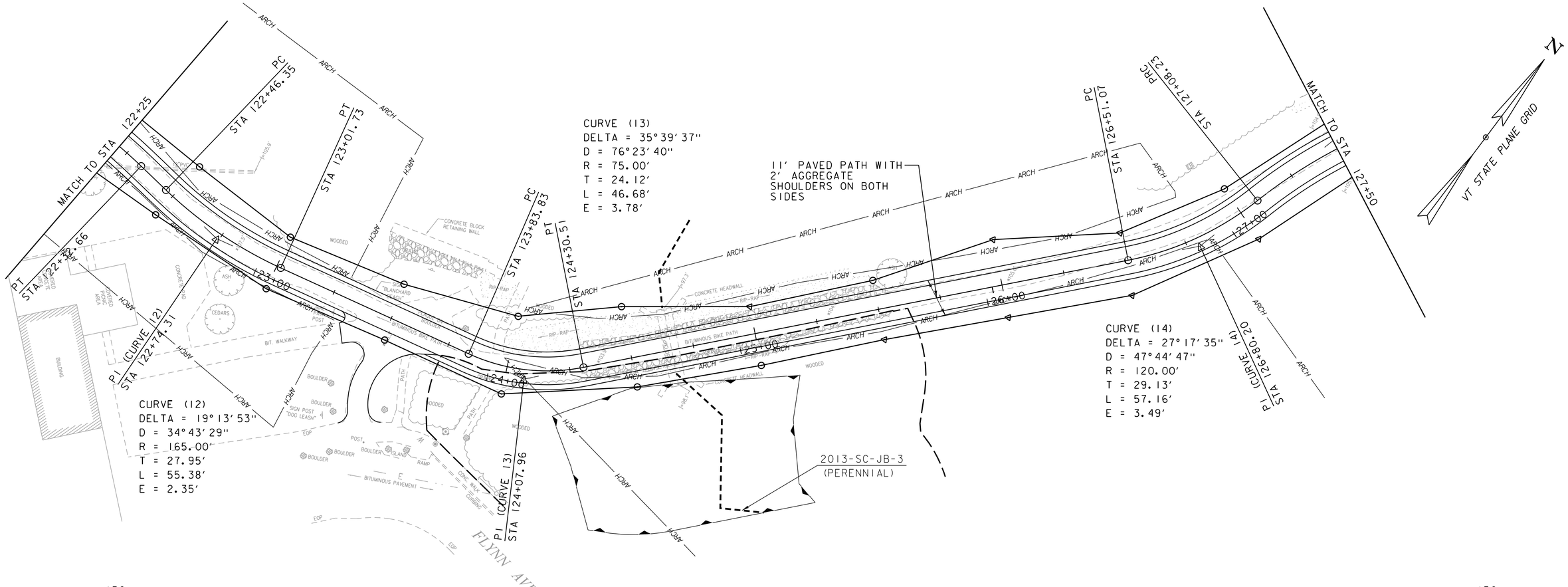
STATIONING AND ELEVATIONS IN FEET (TYP.)

vhb

PROJECT NAME: BURLINGTON BIKE PATH PHASE 3	
PROJECT NUMBER: 58109.00	
FILE NAME: 58109bdr_nul.dgn	PLOT DATE: 10/19/2018
PROJECT LEADER: E.P.DETRICK	DRAWN BY: B.M.ROBERTS
DESIGNED BY: B.M.ROBERTS	CHECKED BY: E.P.DETRICK
PLAN AND PROFILE (SHEET 8 OF 22)	SHEET 19 OF 60



THE GRADES SHOWN TO THE NEAREST TENTH ARE THE ORIGINAL GROUND ELEVATIONS LONG THE PROPOSED ALIGNMENT.

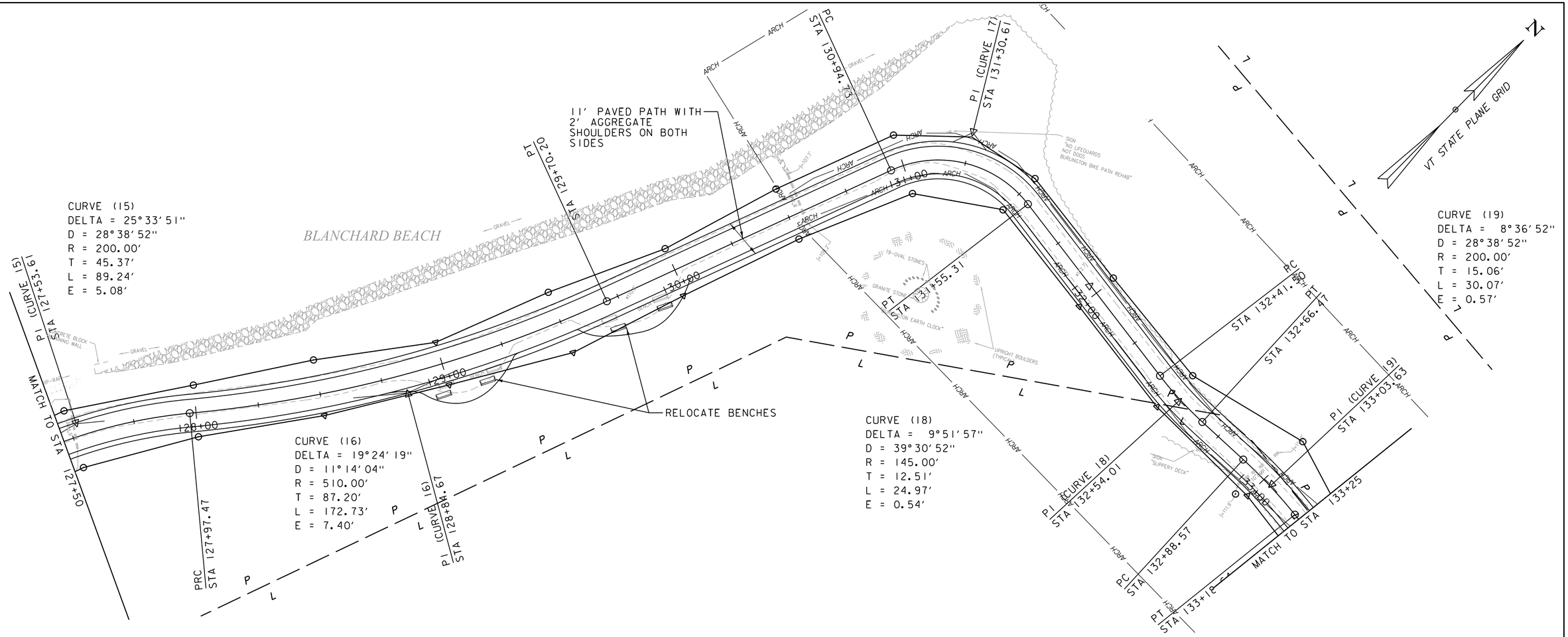
THE GRADES SHOWN TO THE NEAREST HUNDREDTH ARE THE FINISH GRADES ALONG THE PROPOSED ALIGNMENT.

STATIONING AND ELEVATIONS IN FEET (TYP.)

PROJECT NAME: BURLINGTON BIKE PATH PHASE 3
PROJECT NUMBER: 58109.00

FILE NAME: 58109bdr_nul.dgn
PROJECT LEADER: E.P.DETRICK
DESIGNED BY: B.M.ROBERTS
PLAN AND PROFILE (SHEET 9 OF 22)

PLOT DATE: 10/19/2018
DRAWN BY: B.M.ROBERTS
CHECKED BY: E.P.DETRICK
SHEET 20 OF 60



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STATIONING AND ELEVATIONS IN FEET (TYP.)

vhb

PROJECT NAME: BURLINGTON BIKE PATH PHASE 3	
PROJECT NUMBER: 58109.00	
FILE NAME: 58109bdr_nul.dgn	PLOT DATE: 10/19/2018
PROJECT LEADER: E.P.DETRICK	DRAWN BY: B.M.ROBERTS
DESIGNED BY: B.M.ROBERTS	CHECKED BY: E.P.DETRICK
PLAN AND PROFILE (SHEET 10 OF 22)	SHEET 21 OF 60

LETTER OR SYMBOL
STA 137+10, RT (3)
STA 137+10, LT (2)
STA 138+45, RT (2)
STA 138+45, LT (3)
STA 138+60 - 138+75, RT/LT (6)

12 INCH WHITE LINE
STA 136+49

24 INCH STOP BAR
STA 138+55

SPECIAL PROVISION (BURLINGTON GREENWAY SIGN - IDENTIFICATION SIGN)
STA 136+52, RT
STA 136+90, LT
STA 138+54, LT
STA 138+55, RT

4 INCH YELLOW LINE
STA 135+40 - 136+50, BL (DASHED)

6 INCH WHITE LINE
STA 138+60 - 138+75, RT/LT

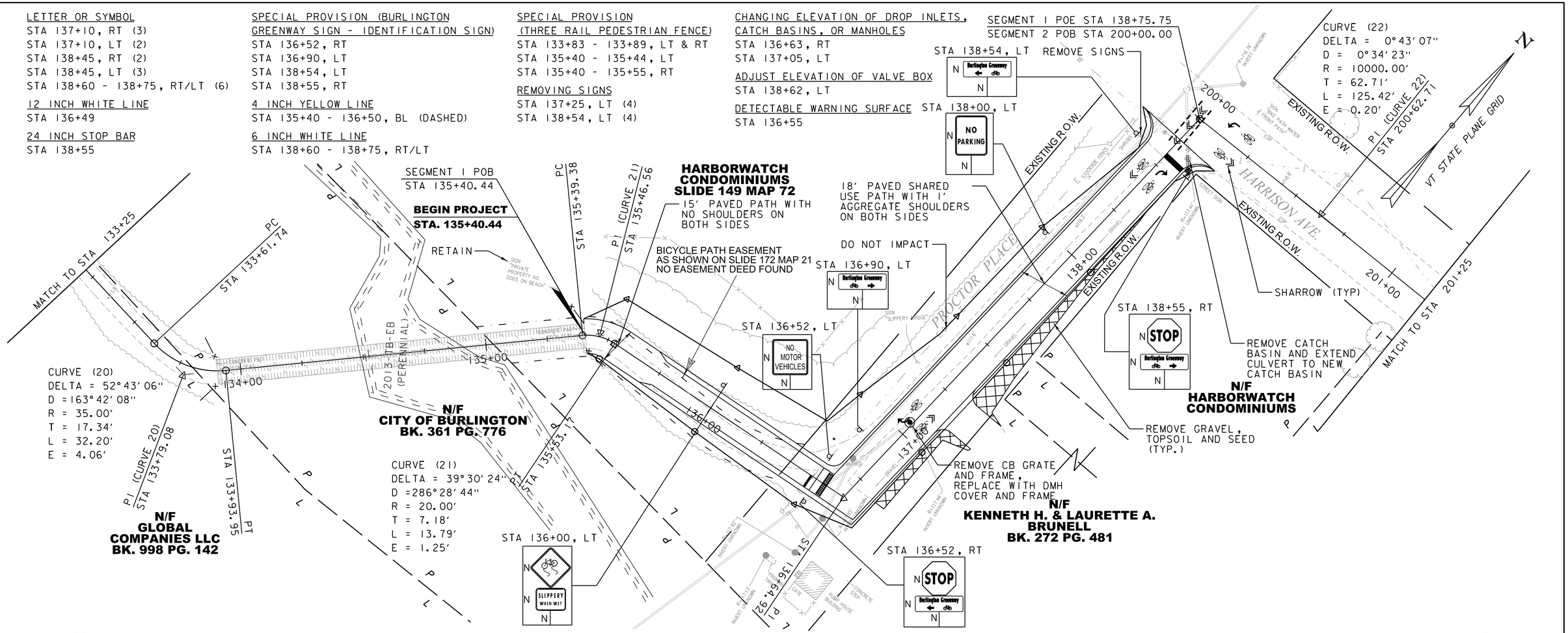
SPECIAL PROVISION (THREE RAIL PEDESTRIAN FENCE)
STA 133+83 - 133+89, LT & RT
STA 135+40 - 135+44, LT
STA 135+40 - 135+55, RT

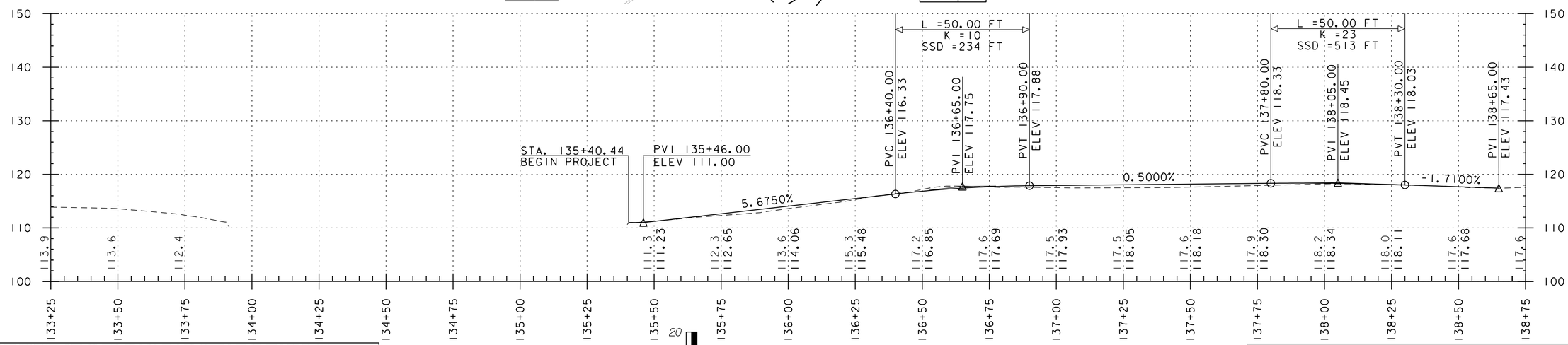
REMOVING SIGNS
STA 137+25, LT (4)
STA 138+54, LT (4)

CHANGING ELEVATION OF DROP INLETS, CATCH BASINS, OR MANHOLES
STA 136+63, RT
STA 137+05, LT

ADJUST ELEVATION OF VALVE BOX
STA 138+62, LT

DETECTABLE WARNING SURFACE
STA 136+55





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STATIONING AND ELEVATIONS IN FEET (TYP.)

20 10 0

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SCALE IN FEET

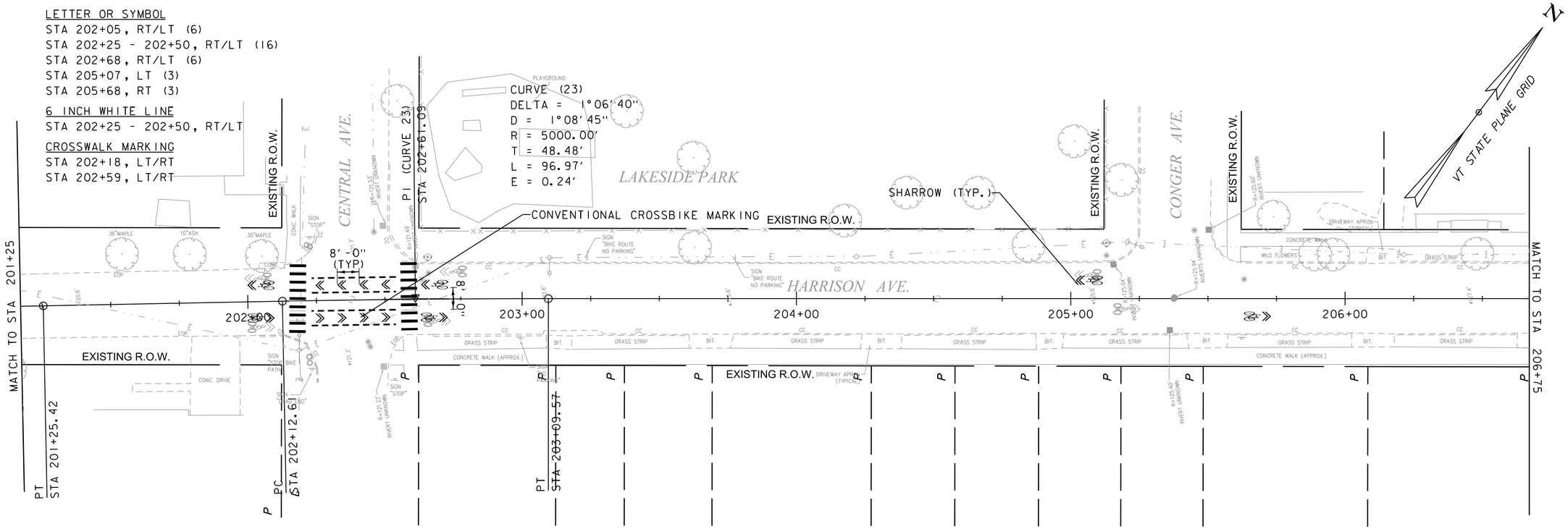
vhb

PROJECT NAME: BURLINGTON BIKE PATH PHASE 3	
PROJECT NUMBER: 58109.00	
FILE NAME: 58109bdr_nul.dgn	PLOT DATE: 12/5/2018
PROJECT LEADER: E.P.DETRICK	DRAWN BY: B.M.ROBERTS
DESIGNED BY: B.M.ROBERTS	CHECKED BY: E.P.DETRICK
PLAN AND PROFILE (SHEET 1 OF 12)	SHEET 13 OF 46

LETTER OR SYMBOL
STA 202+05, RT/LT (6)
STA 202+25 - 202+50, RT/LT (16)
STA 202+68, RT/LT (6)
STA 205+07, LT (3)
STA 205+68, RT (3)

6 INCH WHITE LINE
STA 202+25 - 202+50, RT/LT

CROSSWALK MARKING
STA 202+18, LT/RT
STA 202+59, LT/RT



PROJECT NAME:	BURLINGTON BIKE PATH PHASE 3
PROJECT NUMBER:	58109.00

FILE NAME: 58109bdr_nul.dgn	PLOT DATE: 12/5/2018
PROJECT LEADER: E.P.DETRICK	DRAWN BY: B.M.ROBERTS
DESIGNED BY: B.M.ROBERTS	CHECKED BY: E.P.DETRICK
PLAN AND PROFILE (SHEET 2 OF 12)	SHEET 14 OF 46

LETTER OR SYMBOL
STA 207+25, RT (2)
STA 207+25, LT (3)

12 INCH WHITE LINE
STA 207+67, LT

4 INCH YELLOW LINE
STA 207+66 - 212+75, BL (DASHED)

DETECTABLE WARNING SURFACE
STA 207+60, RT/LT

REMOVAL AND DISPOSAL OF GUARDRAIL
STA 207+60 - 207+75, LT

REMOVAL OF EXISTING FENCE
STA 207+78 - 208+10, LT

CHAIN-LINK FENCE, 4 FEET
STA 207+55 - 208+10, LT

REMOVING AND RESETTING FENCE
STA 207+71 - 212+75, RT

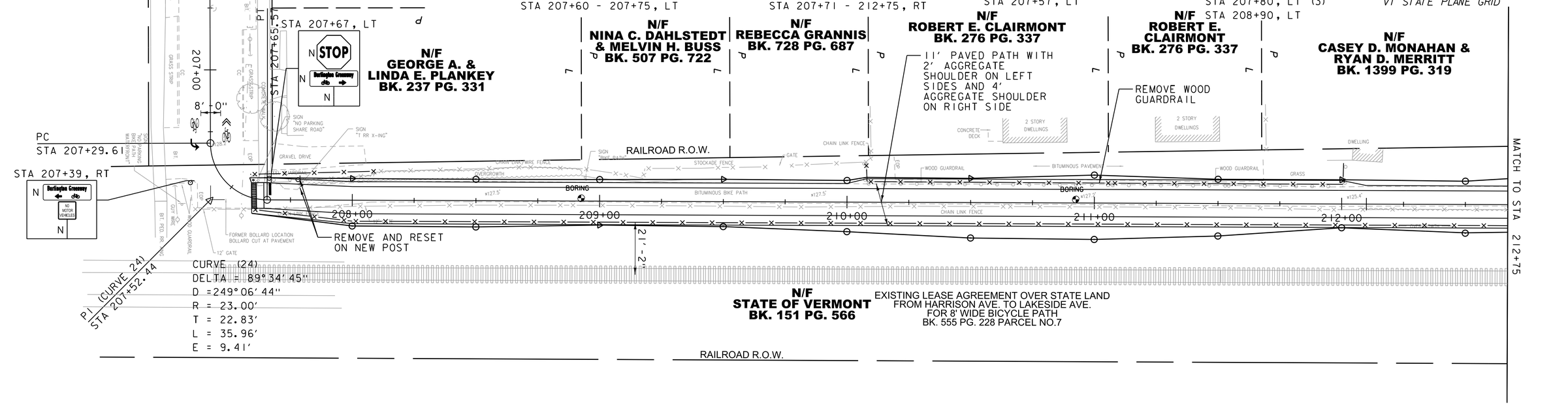
SPECIAL PROVISON (THREE RAIL PEDESTRIAN FENCE)
STA 210+10 - 212+00, LT

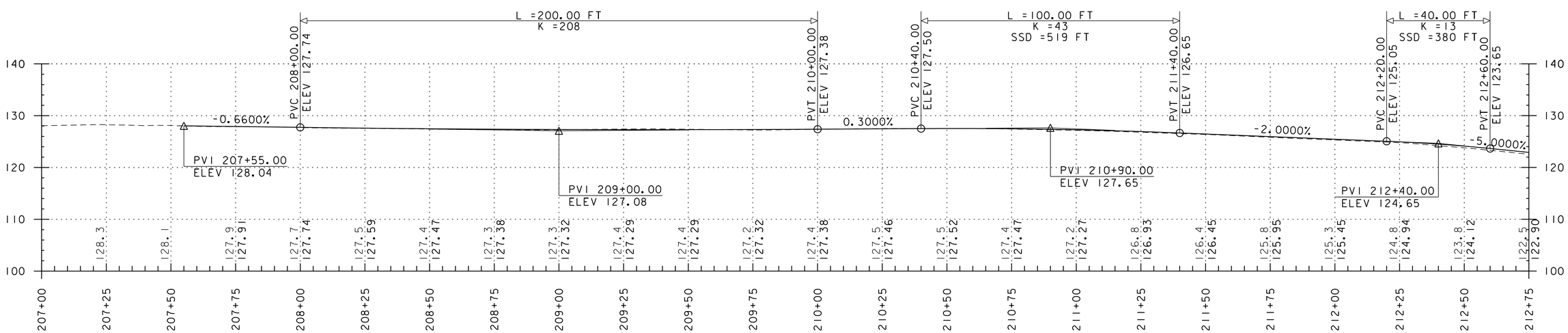
SPECIAL PROVISION (BURLINGTON GREENWAY SIGN - ID. SIGN)
STA 207+57, LT

RESETTING SIGNS
STA 207+80, LT (3)

REMOVING SIGNS
STA 207+39, RT (4)
STA 207+60, LT (4)
STA 207+80, LT (3)
STA 208+90, LT

VT STATE PLANE GRID





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STATIONING AND ELEVATIONS IN FEET (TYP.)

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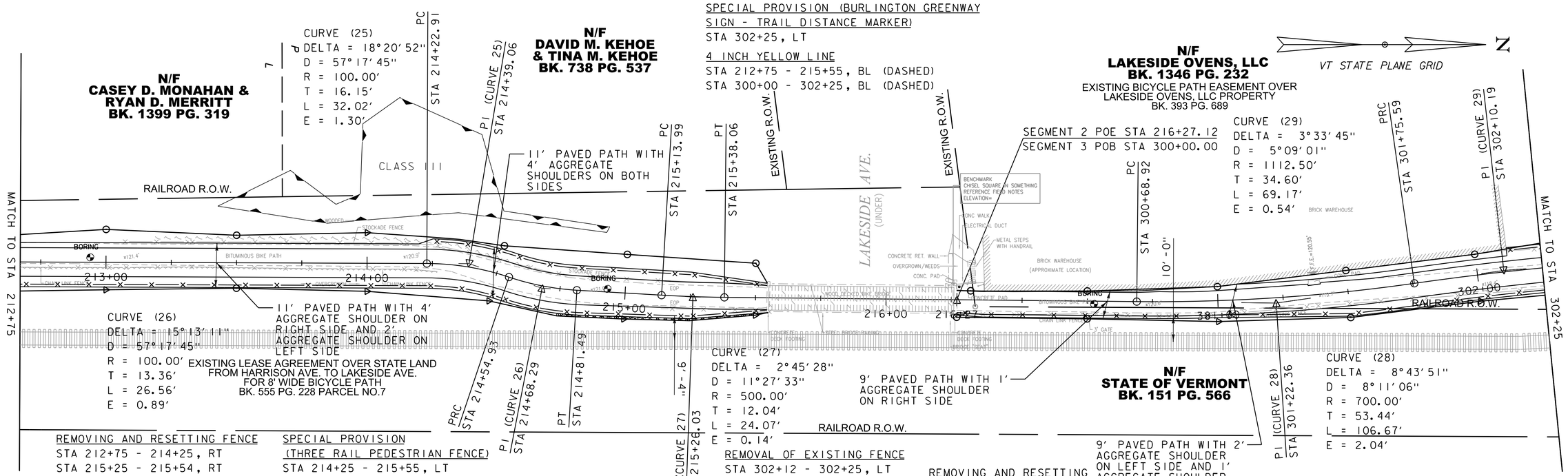
SCALE IN FEET

vhb

PROJECT NAME: BURLINGTON BIKE PATH PHASE 3	
PROJECT NUMBER: 58109.00	
FILE NAME: 58109bdr_nul.dgn	PLOT DATE: 12/5/2018
PROJECT LEADER: E.P.DETRICK	DRAWN BY: B.M.ROBERTS
DESIGNED BY: B.M.ROBERTS	CHECKED BY: E.P.DETRICK
PLAN AND PROFILE (SHEET 3 OF 12)	SHEET 15 OF 46



SPECIAL PROVISION (BURLINGTON GREENWAY SIGN - TRAIL DISTANCE MARKER)
STA 302+25, LT

4 INCH YELLOW LINE
STA 212+75 - 215+55, BL (DASHED)
STA 300+00 - 302+25, BL (DASHED)

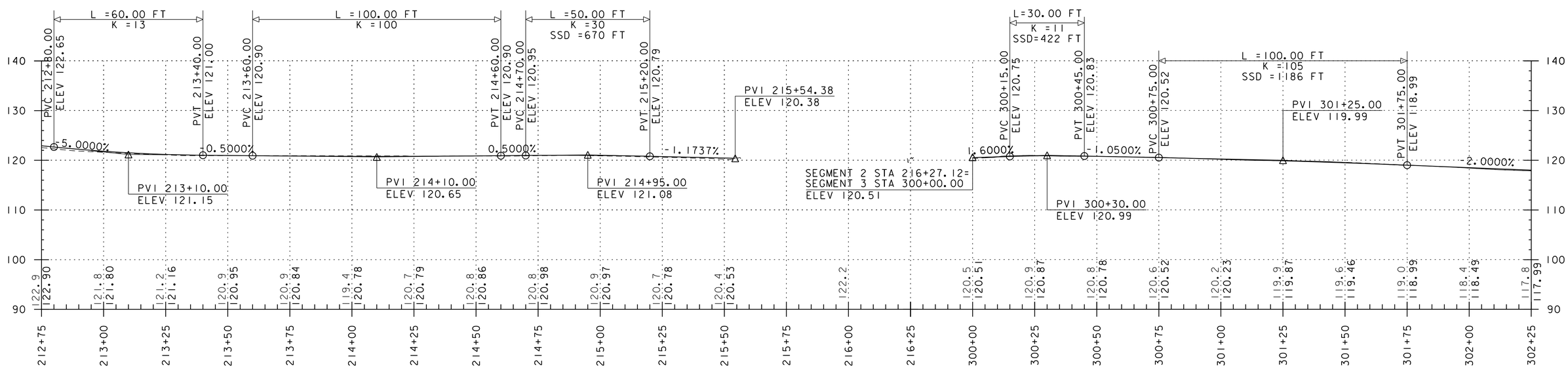
REMOVING AND RESETTING FENCE
STA 212+75 - 214+25, RT
STA 215+25 - 215+54, RT
STA 300+00 - 302+25, RT

SPECIAL PROVISION
(THREE RAIL PEDESTRIAN FENCE)
STA 214+25 - 215+55, LT
STA 302+12 - 302+25, LT

REMOVAL OF EXISTING FENCE
STA 302+12 - 302+25, LT

CHAIN-LINK FENCE, 6 FEET
STA 214+25 - 215+25, LT

REMOVING AND RESETTING PROPERTY MARKERS
STA 300+07, RT



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PROJECT NAME: BURLINGTON BIKE PATH PHASE 3	
PROJECT NUMBER: 58109.00	
FILE NAME: 58109bdr_nul.dgn	PLOT DATE: 12/5/2018
PROJECT LEADER: E.P.DETRICK	DRAWN BY: B.M.ROBERTS
DESIGNED BY: B.M.ROBERTS	CHECKED BY: E.P.DETRICK
PLAN AND PROFILE (SHEET 4 OF 12)	SHEET 16 OF 46

REMOVING AND RESETTING FENCE
STA 302+25 - 308+25, RT

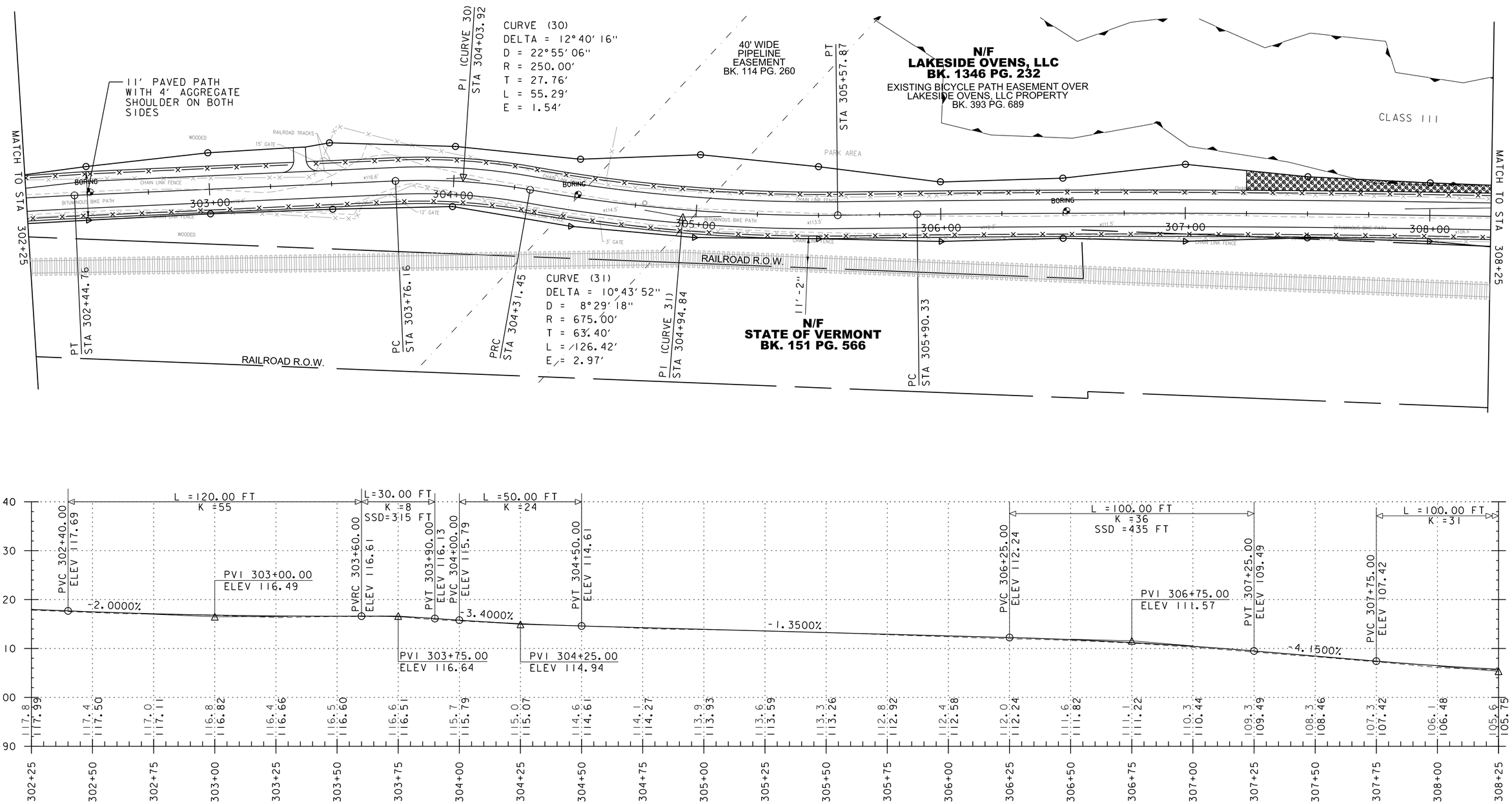
REMOVAL OF EXISTING FENCE
STA 302+25 - 308+25, LT

SPECIAL PROVISION
(THREE RAIL PEDESTRIAN FENCE)
STA 302+25 - 303+32, LT
STA 303+42 - 308+25, LT

4 INCH YELLOW LINE
STA 302+25 - 308+25, BL (DASHED)

STONE FILL. TYPE I
STA 307+25 - 308+25, LT

REMOVING AND RESETTING PROPERTY MARKERS
STA 304+79, LT



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PROJECT NAME: BURLINGTON BIKE PATH PHASE 3	
PROJECT NUMBER: 58109.00	
FILE NAME: 58109bdr_nul.dgn	PLOT DATE: 12/5/2018
PROJECT LEADER: E.P.DETRICK	DRAWN BY: B.M.ROBERTS
DESIGNED BY: B.M.ROBERTS	CHECKED BY: E.P.DETRICK
PLAN AND PROFILE (SHEET 5 OF 12)	SHEET 17 OF 46

REMOVING AND RESETTING FENCE
STA 308+25 - 313+31, RT

REMOVAL OF EXISTING FENCE
STA 308+25 - 314+25, LT

CHAIN-LINK FENCE, 6 FEET
STA 313+31 - 314+25, RT

GATE FOR CHAIN-LINK FENCE, 6 FEET
STA 312+04 - 312+10, LT

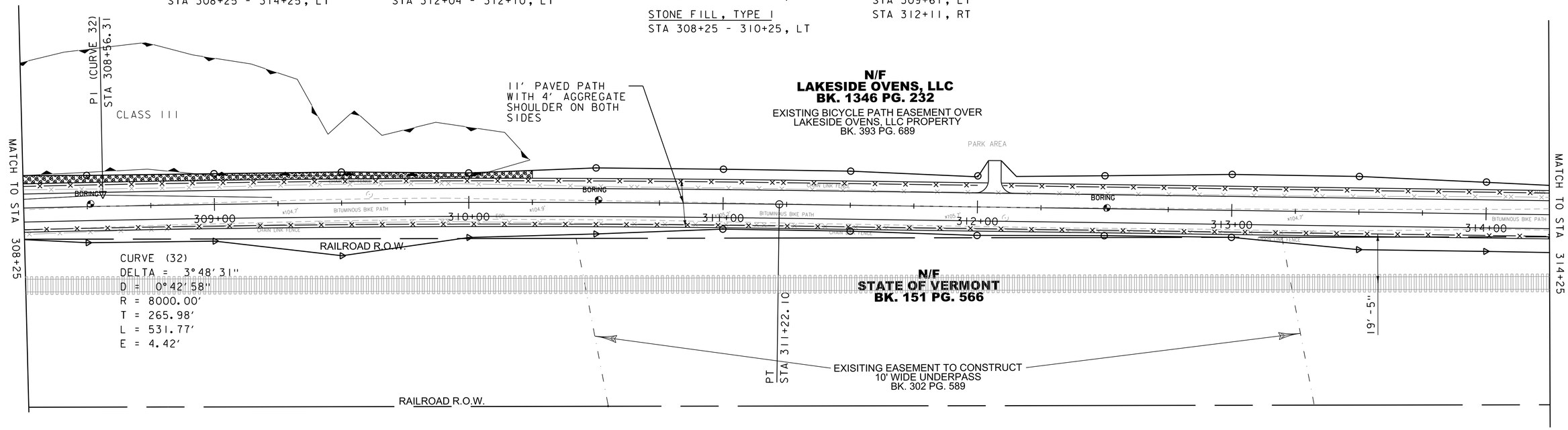
SPECIAL PROVISION
(THREE RAIL PEDESTRIAN FENCE)
STA 308+25 - 312+00, LT
STA 312+10 - 314+25, LT

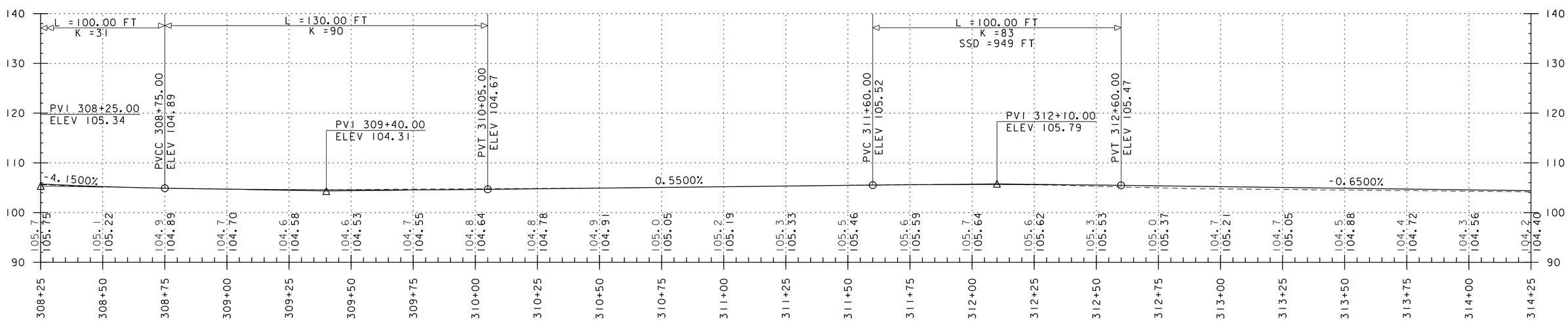
STONE FILL, TYPE I
STA 308+25 - 310+25, LT

4 INCH YELLOW LINE
STA 308+25 - 314+25, BL (DASHED)

CAST IRON COVER WITH FRAME
STA 309+61, LT
STA 312+11, RT

VT STATE PLANE GRID





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SCALE IN FEET

PROJECT NAME: BURLINGTON BIKE PATH PHASE 3	
PROJECT NUMBER: 58109.00	
FILE NAME: 58109bdr_nul.dgn	PLOT DATE: 12/5/2018
PROJECT LEADER: E.P.DETRICK	DRAWN BY: B.M.ROBERTS
DESIGNED BY: B.M.ROBERTS	CHECKED BY: E.P.DETRICK
PLAN AND PROFILE (SHEET 6 OF 12)	SHEET 18 OF 46

REMOVING AND RESETTING FENCE
STA 314+29 - 316+09, RT

REMOVAL OF EXISTING FENCE
STA 314+25 - 314+57, LT

CHAIN-LINK FENCE, 6 FEET
STA 314+25 - 314+29, RT

SPECIAL PROVISION
(THREE RAIL PEDESTRIAN FENCE)
STA 400+00 - 404+25, LT
STA 314+25 - 314+57, LT

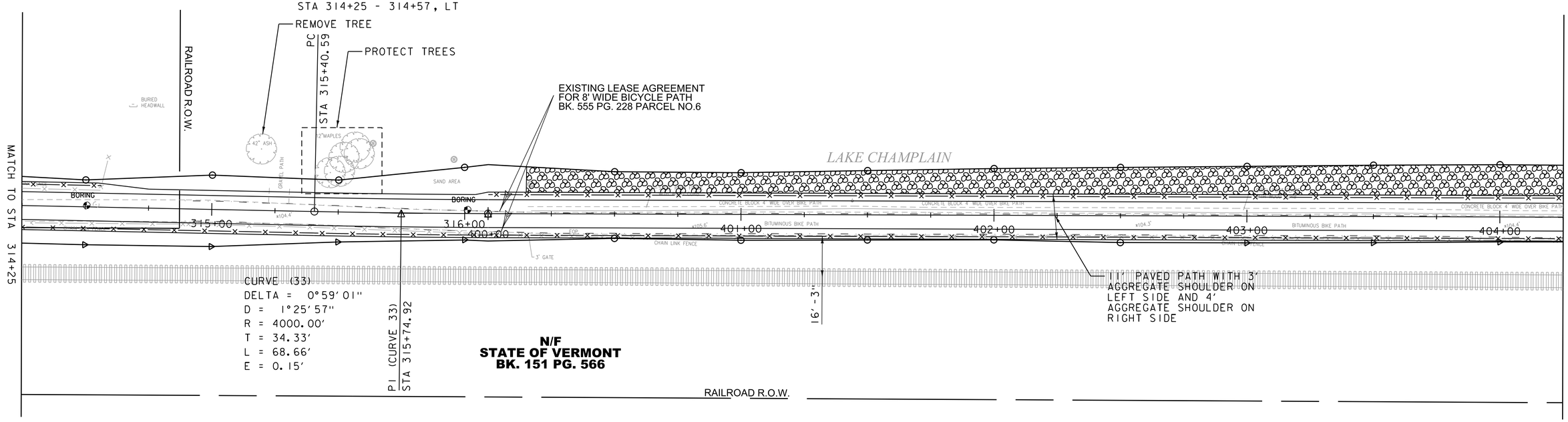
BRACING ASSEMBLY FOR CHAIN-LINK FENCE, 6 FEET
STA 314+25, RT
STA 314+29, RT

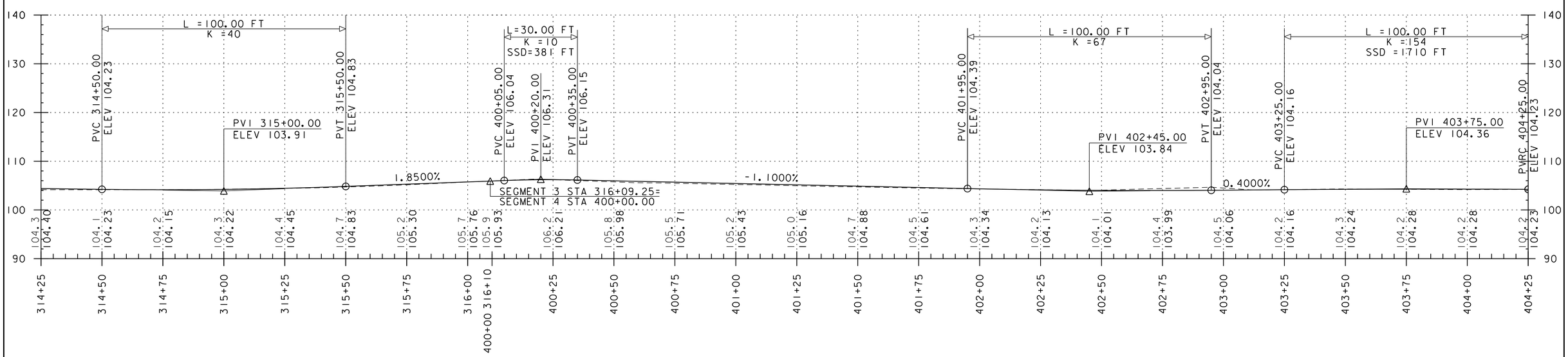
4 INCH YELLOW LINE
STA 314+25 - 404+25, BL (DASHED)

CAST IRON COVER WITH FRAME
STA 314+55, LT

SPECIAL PROVISION
(STONE REVETMENT MATERIAL)
STA 400+15 - 404+25, LT

VT STATE PLANE GRID





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STATIONING AND ELEVATIONS IN FEET (TYP.)

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SCALE IN FEET

vhb

PROJECT NAME: BURLINGTON BIKE PATH PHASE 3	
PROJECT NUMBER: 58109.00	
FILE NAME: 58109bdr_nul.dgn	PLOT DATE: 12/5/2018
PROJECT LEADER: E.P.DETRICK	DRAWN BY: B.M.ROBERTS
DESIGNED BY: B.M.ROBERTS	CHECKED BY: E.P.DETRICK
PLAN AND PROFILE (SHEET 7 OF 12)	SHEET 19 OF 46

4 INCH YELLOW LINE
STA 404+25 - 410+25, BL (DASHED)

SPECIAL PROVISION
(THREE RAIL PEDESTRIAN FENCE)
STA 404+25 - 410+25, LT

REMOVING AND RESETTING FENCE
STA 404+25 - 410+25, RT

SPECIAL PROVISION
(STONE REVETMENT MATERIAL)
STA 404+25 - 410+25, LT

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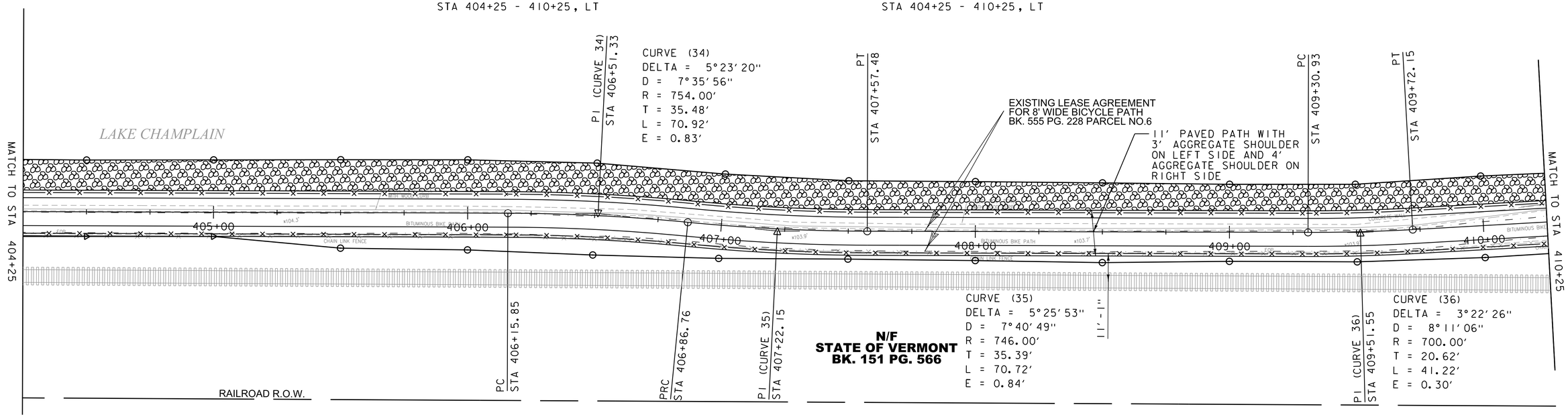
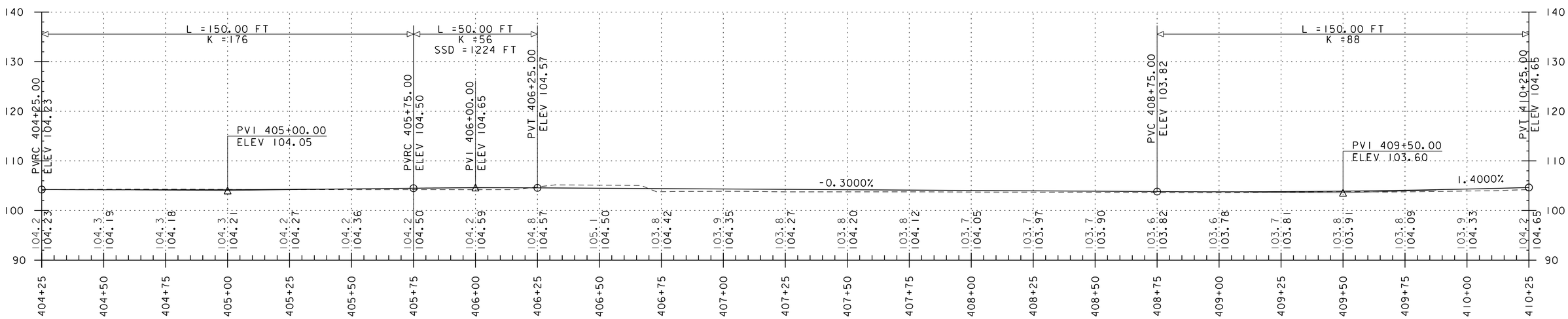
VT STATE PLANE GRID





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STATIONING AND ELEVATIONS IN FEET (TYP.)

20
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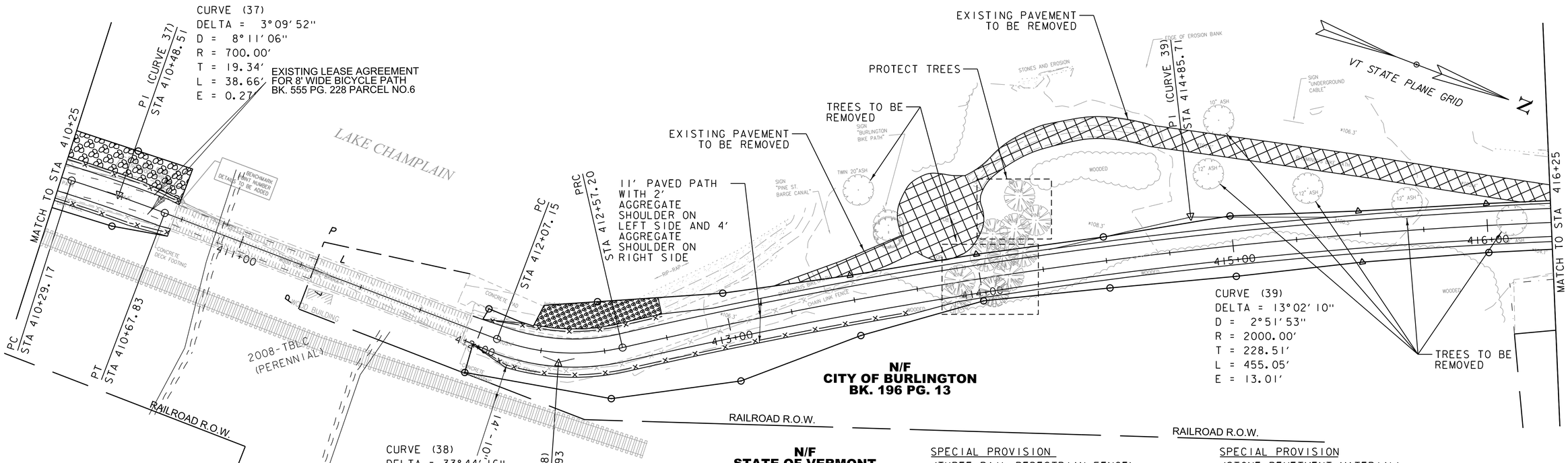
0 20 40
SCALE IN FEET

vhb

PROJECT NAME: BURLINGTON BIKE PATH PHASE 3	
PROJECT NUMBER: 58109.00	
FILE NAME: 58109bdr_nul.dgn	PLOT DATE: 12/5/2018
PROJECT LEADER: E.P.DETRICK	DRAWN BY: B.M.ROBERTS
DESIGNED BY: B.M.ROBERTS	CHECKED BY: E.P.DETRICK
PLAN AND PROFILE (SHEET 8 OF 12)	SHEET 20 OF 46



SPECIAL PROVISION
(THREE RAIL PEDESTRIAN FENCE)
STA 410+25 - 410+71, LT
STA 411+95 - 412+75, LT

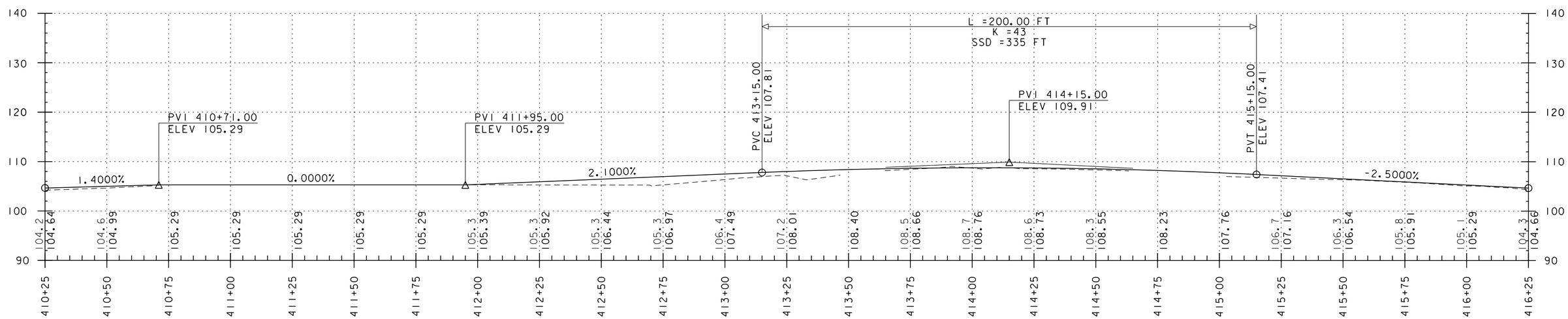
REMOVING AND RESETTING FENCE
STA 410+25 - 410+72, RT
STA 411+95 - 413+70, RT

4 INCH YELLOW LINE
STA 410+25 - 410+71, BL (DASHED)
STA 411+95 - 416+25, BL (DASHED)

SPECIAL PROVISION
(STONE REVETMENT MATERIAL)
STA 410+25 - 410+72, LT

STONE FILL, TYPE I
STA 412+20 - STA 412+75, LT

SPECIAL PROVISION
(STONE REVETMENT REPAIR)
STA 412+20 - 416+25, LT (AD. ALT.)



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20 10 0

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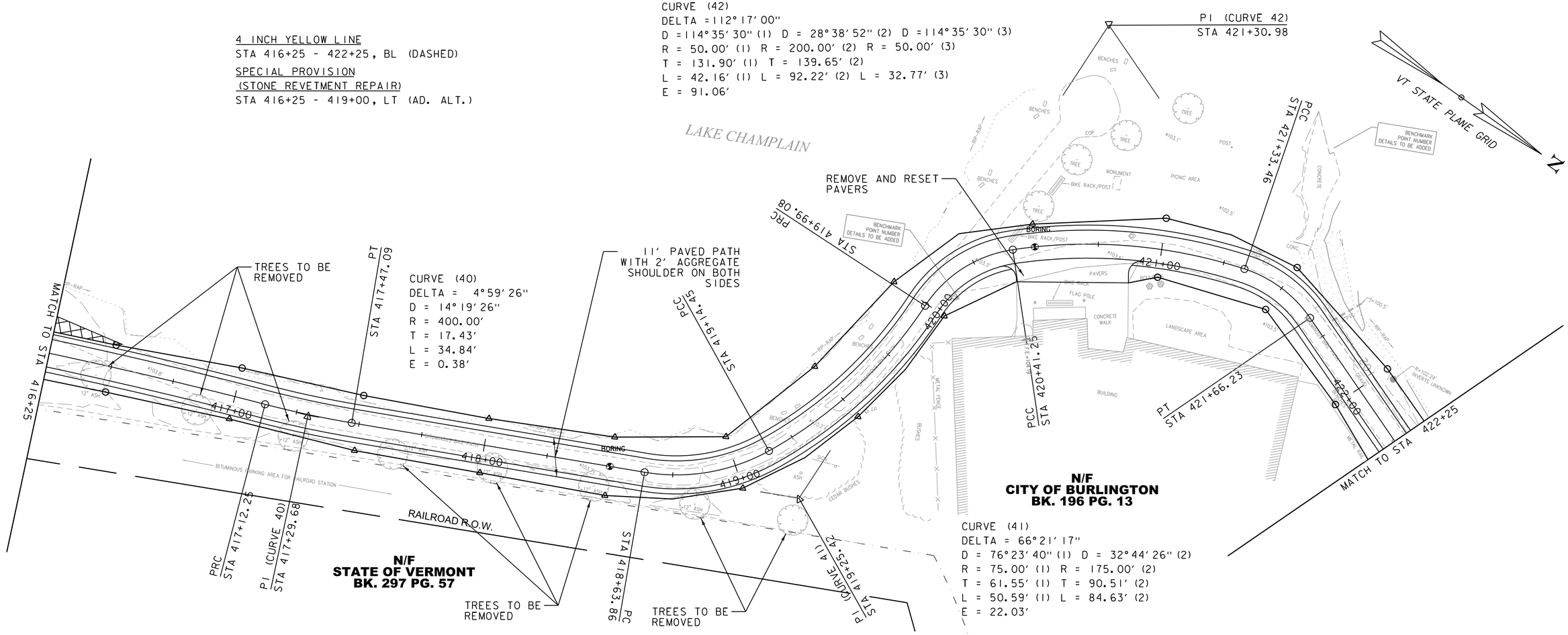
PROJECT NAME: BURLINGTON BIKE PATH PHASE 3	
PROJECT NUMBER: 58109.00	
FILE NAME: 58109bdr_nul.dgn	PLOT DATE: 12/5/2018
PROJECT LEADER: E.P.DETRICK	DRAWN BY: B.M.ROBERTS
DESIGNED BY: B.M.ROBERTS	CHECKED BY: E.P.DETRICK
PLAN AND PROFILE (SHEET 9 OF 12)	SHEET 21 OF 46

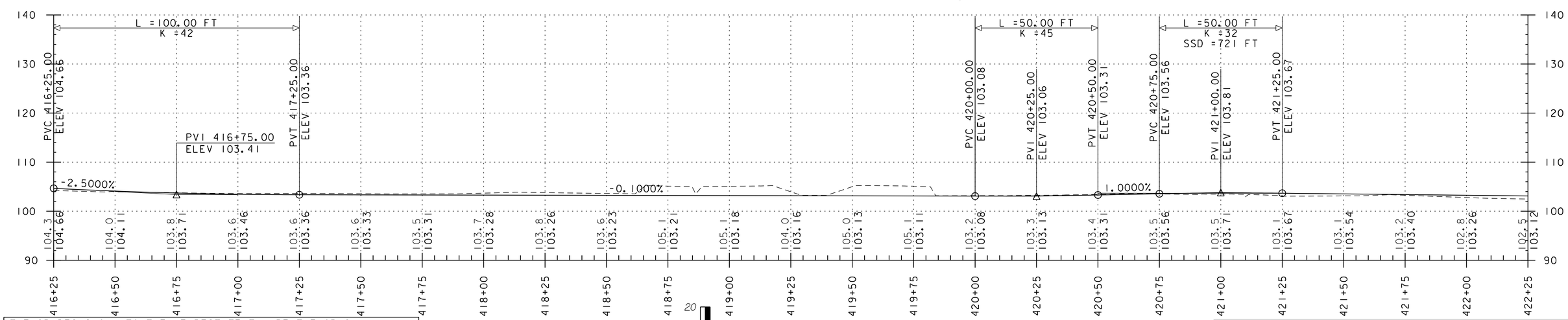
4 INCH YELLOW LINE
STA 416+25 - 422+25, BL (DASHED)

SPECIAL PROVISION
(STONE REVETMENT REPAIR)
STA 416+25 - 419+00, LT (AD. ALT.)

CURVE (42)
DELTA = 112°17'00"
D = 114°35'30" (1) D = 28°38'52" (2) D = 114°35'30" (3)
R = 50.00' (1) R = 200.00' (2) R = 50.00' (3)
T = 131.90' (1) T = 139.65' (2)
L = 42.16' (1) L = 92.22' (2) L = 32.77' (3)
E = 91.06'



CURVE (41)
DELTA = 66°21'17"
D = 76°23'40" (1) D = 32°44'26" (2)
R = 75.00' (1) R = 175.00' (2)
T = 61.55' (1) T = 90.51' (2)
L = 50.59' (1) L = 84.63' (2)
E = 22.03'



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PROJECT NUMBER: 58109.00	
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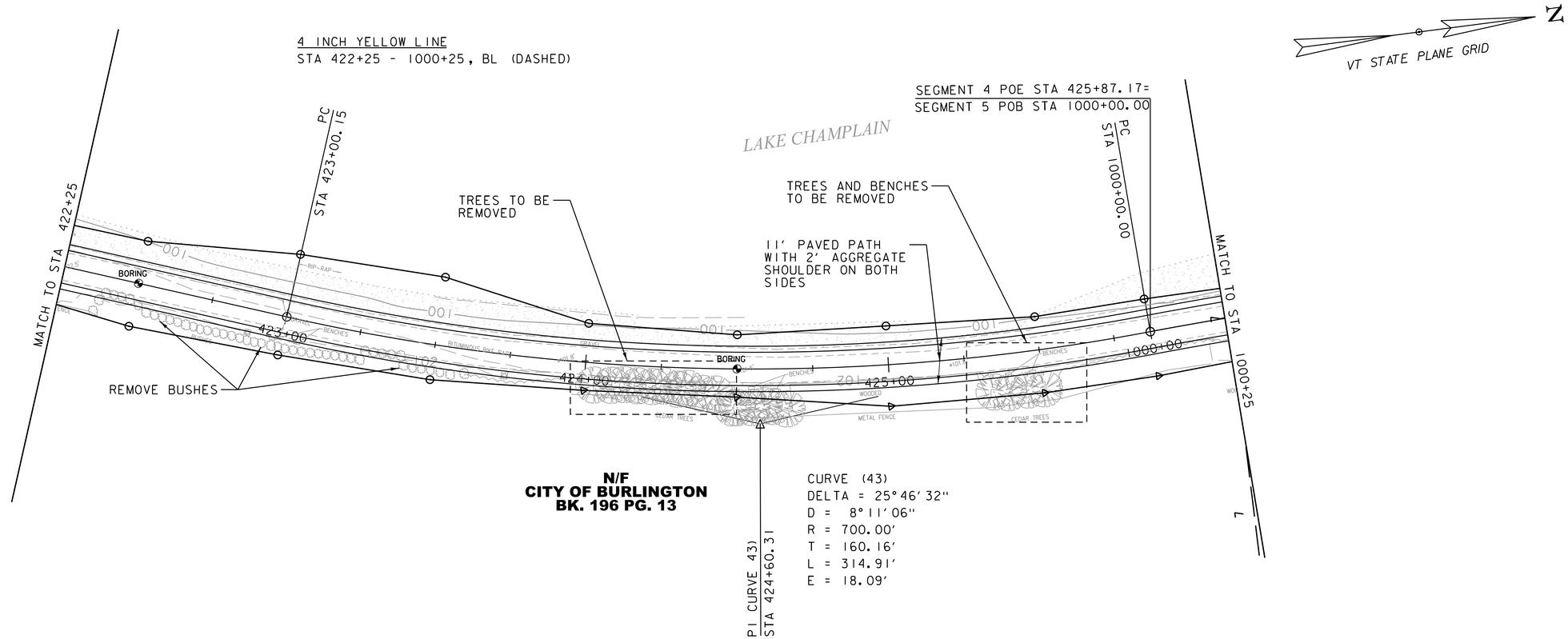
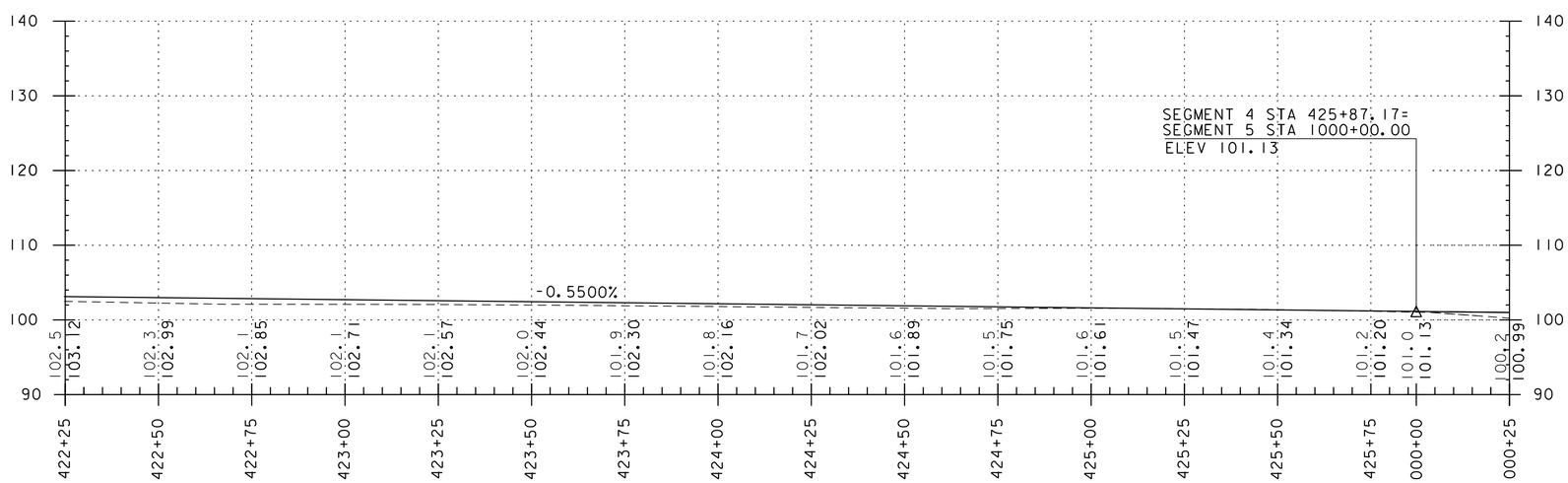
PROJECT LEADER: E.P.DETRICK	DRAWN BY: B.M.ROBERTS
DESIGNED BY: B.M.ROBERTS	CHECKED BY: E.P.DETRICK
PLAN AND PROFILE (SHEET 10 OF 12)	SHEET 22 OF 46





THE GRADES SHOWN TO THE NEAREST TENTH ARE THE ORIGINAL GROUND ELEVATIONS LONG THE PROPOSED ALIGNMENT.

THE GRADES SHOWN TO THE NEAREST HUNDREDTH ARE THE FINISH GRADES ALONG THE PROPOSED ALIGNMENT.

STATIONING AND ELEVATIONS IN FEET (TYP.)

20 10 0

0 20 40
SCALE IN FEET

vhb

PROJECT NAME: BURLINGTON BIKE PATH PHASE 3	
PROJECT NUMBER: 58109.00	
FILE NAME: 58109bdr_nul.dgn	PLOT DATE: 12/5/2018
PROJECT LEADER: E.P.DETRICK	DRAWN BY: B.M.ROBERTS
DESIGNED BY: B.M.ROBERTS	CHECKED BY: E.P.DETRICK
PLAN AND PROFILE (SHEET 11 OF 12)	SHEET 23 OF 46

4 INCH YELLOW LINE
STA 1000+25 - 1003+80, BL (DASHED)

CURVE (44)
DELTA = 3° 10′ 29″
D = 5° 12′ 31″
R = 1100.00′
T = 30.48′
L = 60.95′
E = 0.42′

CURVE (45)
DELTA = 2° 50′ 19″
D = 2° 51′ 53″
R = 2000.00′
T = 49.55′
L = 99.09′
E = 0.61′

CURVE (46)
DELTA = 87° 40′ 15″
D =286° 28′ 44″
R = 20.00′
T = 19.20′
L = 30.60′
E = 7.73′

CURVE (47)
DELTA = 74° 12′ 17″
D =286° 28′ 44″
R = 20.00′
T = 15.13′
L = 25.90′
E = 5.08′

MATCH TO STA 1000+25

PI (CURVE 44) STA 1000+30.48

PRC STA 1000+60.95

PT STA 1001+60.04

PI (CURVE 45) STA 1001+10.51

PI (CURVE 46) STA 1003+98.76

PC STA 1003+79.56

PT STA 1004+10.16

PC STA 1004+95.26

PI (CURVE 47) STA 1005+10.39

PT STA 1005+21.16

PI STA 1005+55.88

POE STA 1007+50.70

BORING

BORING

BORING

1000+00

1001+00

1002+00

1003+00

1004+00

1005+00

1006+00

1007+00

N/F
CITY OF BURLINGTON
BK. 316 PG. 404

BENCHMARK POINT NUMBER DETAILS TO BE ADDED

VT STATE PLANE GRID

N

L =120.00 FT
K =267

PVC 1001+05.00
ELEV 100.55

PVT 1002+25.00
ELEV 100.16

PVI 1001+65.00
ELEV 100.22

PVI 1003+80.00
ELEV 100.01

-0.5500%

-0.1000%

Station	Elevation
1000+25	100.2
1000+50	100.99
1000+75	99.6
1001+00	100.86
1001+25	99.6
1001+50	100.72
1001+75	99.5
1002+00	100.58
1002+25	99.7
1002+50	100.45
1002+75	100.0
1003+00	100.34
1003+25	100.2
1003+50	100.26
1003+75	100.1
1004+00	100.20
	100.1
	100.16
	100.1
	100.14
	100.1
	100.11
	100.0
	100.09
	99.8
	100.06
	100.0
	100.04
	100.0
	100.01
	100.0
	100.01
	100.0

0 20 40
SCALE IN FEET

PROJECT NAME:	BURLINGTON BIKE PATH PHASE 3
PROJECT NUMBER:	58109.00

FILE NAME: 58109bdr_nul.dgn	PLOT DATE: 12/5/2018
PROJECT LEADER: E.P.DETRICK	DRAWN BY: B.M.ROBERTS
DESIGNED BY: B.M.ROBERTS	CHECKED BY: E.P.DETRICK
PLAN AND PROFILE (SHEET 12 OF 12)	SHEET 24 OF 46

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET

MILE MARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS EA	WIDTH (IN)	HEIGHT (IN)	NEW & SALVAGED SIGNS "A"	"B"	SALV SIGN	SALV TIS	EXIST POST RETAIN	SALVAGE	NEW SIGN POSTS NO. OF POSTS	FLANGED CHANNEL LB/FT 1.12	2.0	3.0	SQUARE STEEL (IN) LB/FT 1.75 1.88	2.0 2.42	2.5 3.35	ANCHOR	SLEEVE	TUBULAR ALUMINUM Ø (IN) LB/FT 3.0 1.3	4.0 1.7	4.0 MOD 1.7	WOOD POST (LF) COLLAR	TYPE 1	TYPE 2	W-SHAPE STEEL FTG. SIZE 24"	30"	WEIGHT	POST SIZE	SIGN REFRAMED	REMARKS	SIGN DETAIL DETAIL ON SHEET NUMBER	STD. SHEET NUMBER
OPTION ITEMS																																	
136+52, RT 207+67, LT	STOP	2	18	18	4.5						2					X		X													R1-1		SHSM
136+52, LT 207+39, RT	NO MOTOR VEHICLES	2	24	24	8						1					X		X													R5-3		SHSM
138+55, RT	STOP	1	24	24	4						1					X+		X													R1-1		SHSM
136+52, RT 138+54, LT 207+39, RT	Burlington Greenway	3	30	14	8.75						3					X+		X														THIS SHEET	
136+90, LT 138+55, RT 207+67, LT	Burlington Greenway	3	30	14	8.75						3					X+		X														THIS SHEET	
136+00, LT		1	18	18	2.25						1					X		X													W8-10		SHSM
	SLIPPERY WHEN WET	1	12	9	0.75																										W8-10a		SHSM
138+00, LT	NO PARKING	1	24	30	5						1					X		X													R8-3		SHSM
												FT	FT	FT	FT	FT 155	FT		EA	LB	LB	LB		TYPE 1	TYPE 2								
	TOTALS				SF 42	SF	EA.	SF				FT			FT 155					LB			EA.	WOOD POSTS (FT)		EA.	EA.	LB					

FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE ROADWAY, TRAFFIC & SAFETY DIVISION'S "SIGN POST DESIGN GUIDELINE."

POST LENGTH AVERAGES 10 FEET

POST LENGTH WITH '+' AVERAGES 15 FEET

BOY = BLACK LEGEND ON YELLOW BACKGROUND - PLAQUE
BOW = BLACK LEGEND ON WHITE BACKGROUND - PLAQUE
GOW = GREEN LEGEND ON WHITE BACKGROUND - PLAQUE
WOB = WHITE LEGEND ON BLUE BACKGROUND - PLAQUE
WOG = WHITE LEGEND ON GREEN BACKGROUND
FYG = BLACK LEGEND ON FLUORESCENT YELLOW-GREEN BACKGROUND
SHSM = FHWA STANDARD HIGHWAY SIGNS AND MARKINGS BOOK (WITH 2012 SUPPLEMENT)

Panel Style: Street Name 4-3in.ssi
M.U.T.C.D.: 2009 Edition
(WOG)

Panel Style: Street Name 4-3in.ssi
M.U.T.C.D.: 2009 Edition
(WOG)

PROJECT NAME: BURLINGTON BIKE PATH PHASE 3	
PROJECT NUMBER: 58109.00	
FILE NAME: 58109_tss.dgn	PLOT DATE: 12/5/2018
PROJECT LEADER: E.P. DETRICK	DRAWN BY: B.M. ROBERTS
DESIGNED BY: B.M. ROBERTS	CHECKED BY: E.P. DETRICK
TRAFFIC SIGN SUMMARY SHEET	SHEET 25 OF 46

GENERAL

1. 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.

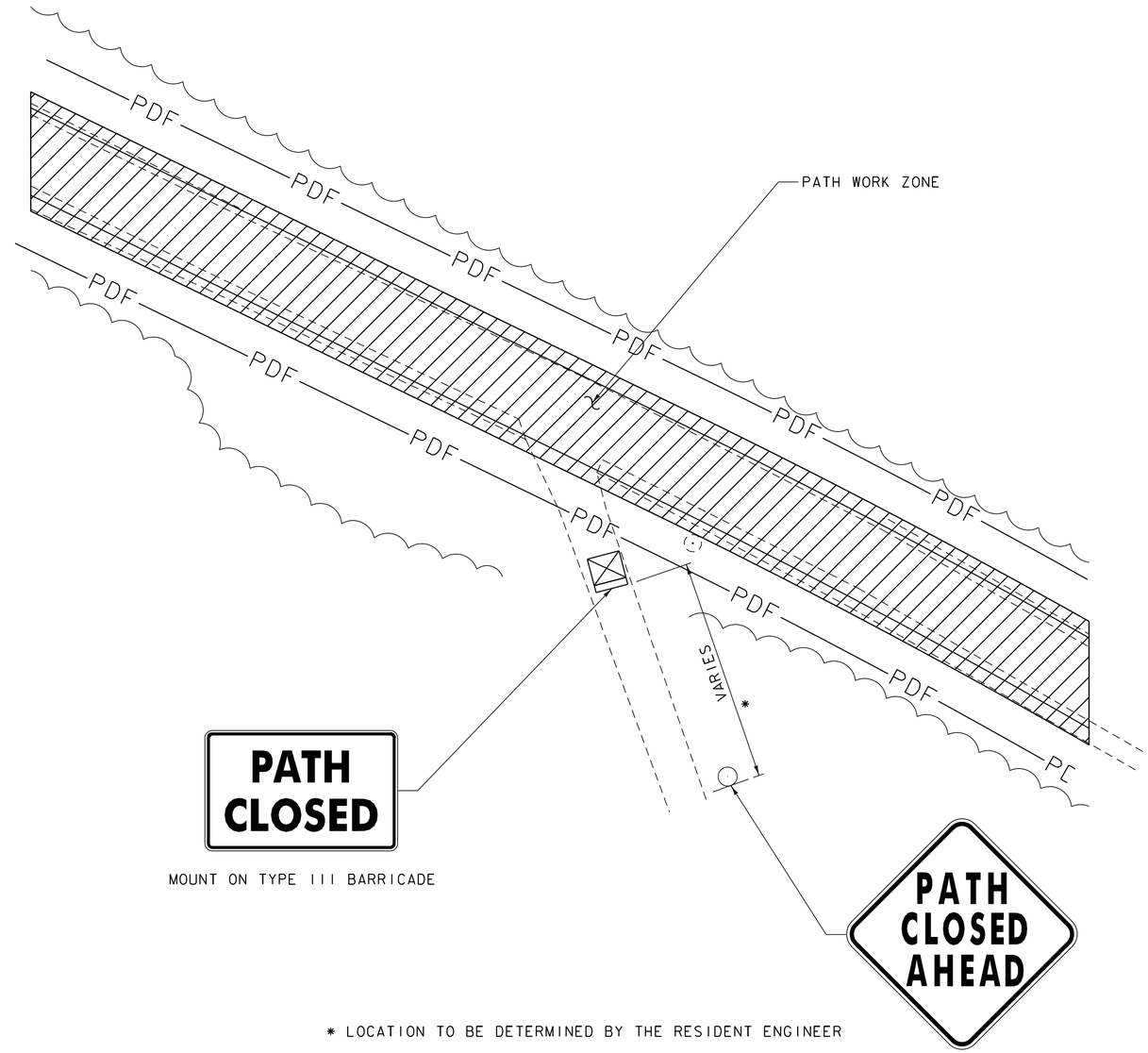
4. TRAFFIC SHALL NOT BE CHANGED FROM ONE PHASE TO THE NEXT UNTIL ALL TEMPORARY SIGNING WORK REQUIRED FOR THE SUBSEQUENT PHASE IS COMPLETED. ANY CONFLICTING PAVEMENT MARKINGS SHALL BE MASKED WITH PAVEMENT MARKING MASK OR REMOVED BY GRINDING. EXISTING PAVEMENT MARKINGS THAT ARE TO REMAIN FOR LATER USE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

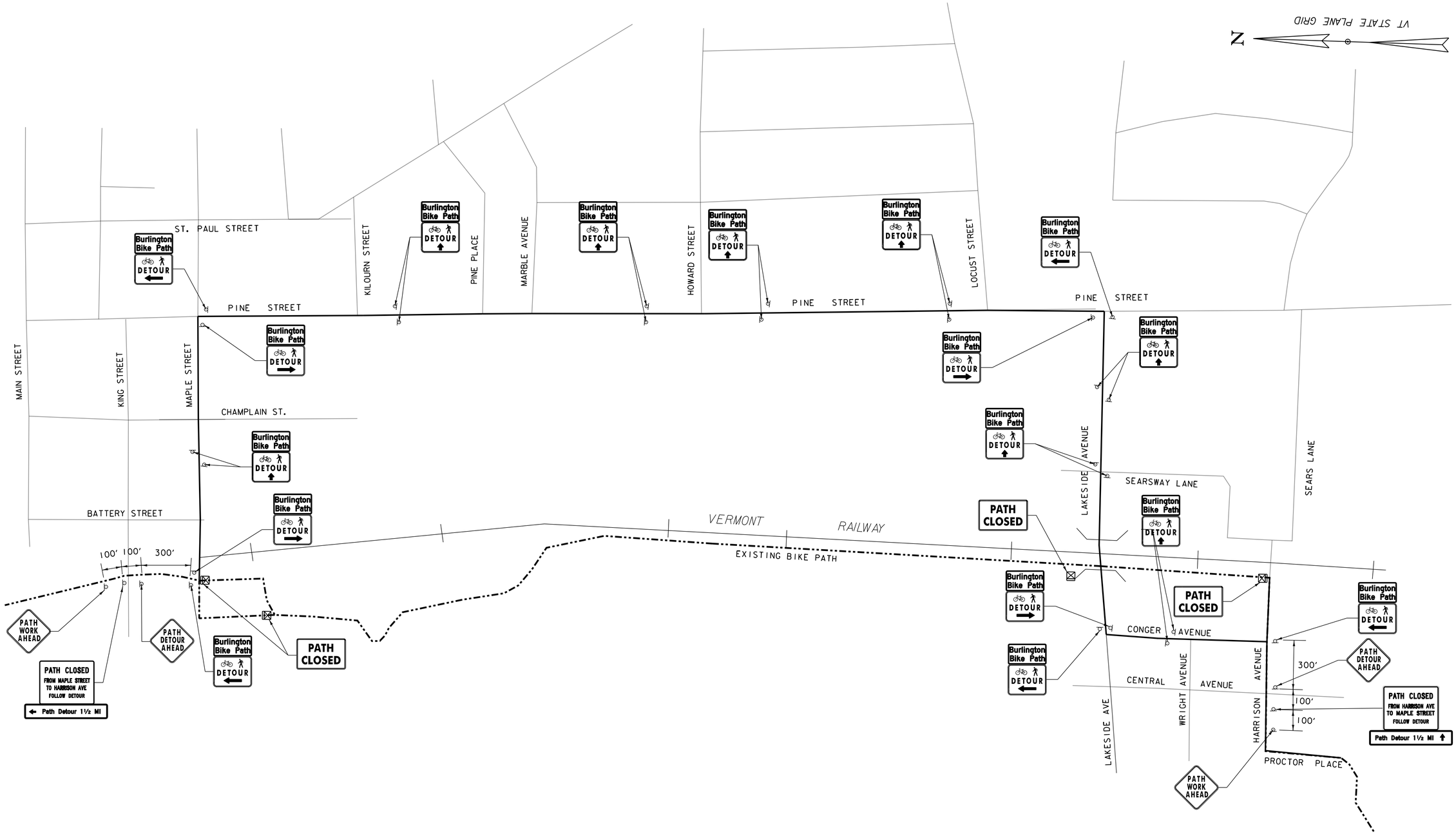


* LOCATION TO BE DETERMINED BY THE RESIDENT ENGINEER

TRAFFIC CONTROL PLAN
FOR SIDE PATHS
N. T. S.

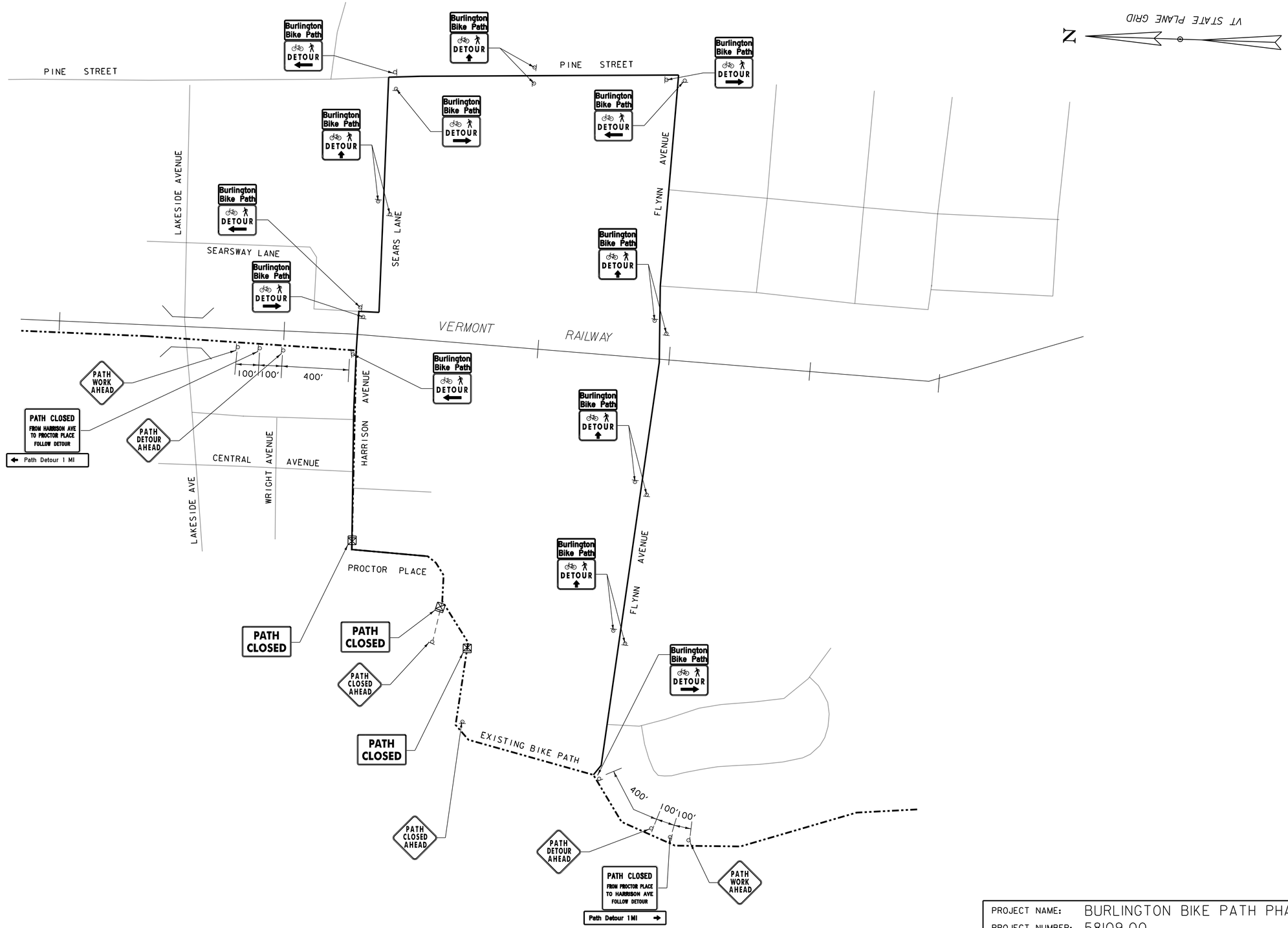
PROJECT NAME: BURLINGTON BIKE PATH PHASE 3	
PROJECT NUMBER: 58109.00	
FILE NAME: 58109tcp.dgn	PLOT DATE: 12/5/2018
PROJECT LEADER: E.P. DETRICK	DRAWN BY: C.K.FORD
DESIGNED BY: C.K.FORD	CHECKED BY: E.P. DETRICK
TRAFFIC CONTROL PLAN (1 OF 5)	SHEET 26 OF 46

VHB 57634.02



PROJECT NAME:	BURLINGTON BIKE PATH PHASE 3
PROJECT NUMBER:	58109.00

FILE NAME: 58109tcp.dgn	PLOT DATE: 12/5/2018
PROJECT LEADER: E.P. DETRICK	DRAWN BY: C.K.FORD
DESIGNED BY: C.K.FORD	CHECKED BY: E.P. DETRICK
TRAFFIC CONTROL PLAN (2 OF 5)	SHEET 27 OF 46

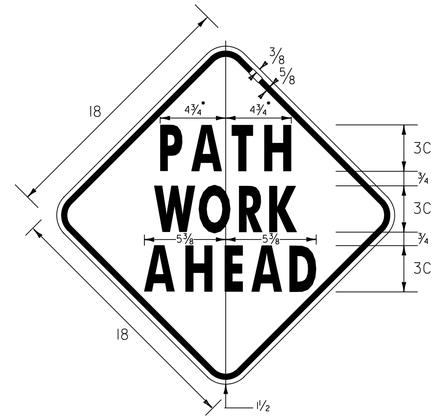


PROJECT NAME:	BURLINGTON BIKE PATH PHASE 3
PROJECT NUMBER:	58109.00

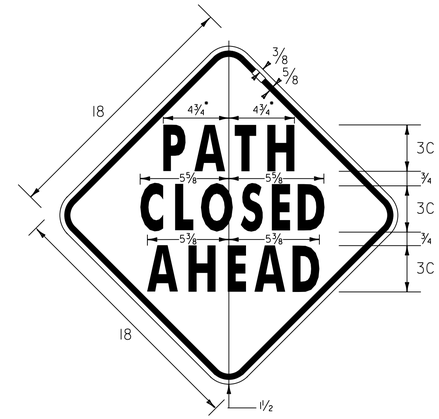
FILE NAME: 58109tcp.dgn	PLOT DATE: 12/5/2018
PROJECT LEADER: E.P. DETRICK	DRAWN BY: C.K.FORD
DESIGNED BY: C.K.FORD	CHECKED BY: E.P. DETRICK
TRAFFIC CONTROL PLAN (3 OF 5)	SHEET 28 OF 46

IDENTIFICATION NUMBER	SIZE OF SIGN WIDTH (IN)	SIZE OF SIGN HEIGHT (IN)	TEXT	NUMBER OF SIGNS REQ'D	REMARKS
M4-9AL	30	24	DETOUR ←	5	MOUNT BELOW THE SP-5
M4-9AR	30	24	DETOUR →	4	MOUNT BELOW THE SP-5
SP-1	30	24	DETOUR ↑	16	MOUNT BELOW THE SP-5
SP-2	18	18	PATH WORK AHEAD	2	MOUNT ON SINGLE POST
SP-3	18	18	PATH CLOSED AHEAD	2	MOUNT ON SINGLE POST
SP-4	18	18	PATH DETOUR AHEAD	2	MOUNT ON SINGLE POST
SP-5	31.5	16	Burlington Bike Path	25	MOUNT ON SINGLE POST
SP-6	48	30	PATH CLOSED	4	MOUNT ON TYPE III BARRICADE
SP-7	30	24	PATH CLOSED AT PROCTOR PLACE FOLLOW DETOUR	2	MOUNT ON SINGLE POST
SP-7	30	24	PATH CLOSED FROM MAPLE STREET TO HARRISON AVE FOLLOW DETOUR	1	MOUNT ON SINGLE POST
SP-7	30	24	PATH CLOSED FROM HARRISON AVE TO MAPLE STREET FOLLOW DETOUR	1	MOUNT ON SINGLE POST
D11-1a	36	6	Path Detour 1½ MI ↑	1	MOUNT BELOW THE SP-7
D11-1a	36	6	← Path Detour 1½ MI	1	MOUNT BELOW THE SP-7
D11-1a	36	6	Path Detour 1MILE →	1	MOUNT BELOW THE SP-7
D11-1a	36	6	← Path Detour 1MILE	1	MOUNT BELOW THE SP-7

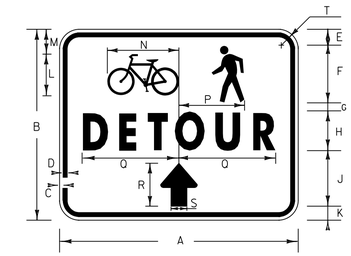
* NUMBER OF SIGNS ESTIMATED ASSUMING 2 SEPARATE DETOUR SETUPS.



SP-2



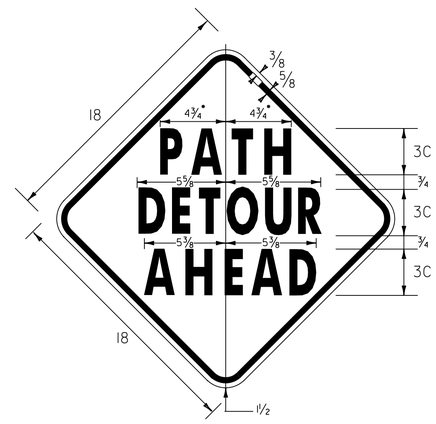
SP-3



SP-1

SIGN	DIMENSIONS (INCHES) A	B	C	D	E	F	G	H	J	K	L
STD.	30	24	½	¾	2	7¼	1	5D	6¾	2	5⅜

M	N	P	Q	R	S	T
3¼	9	8½	12⅛	5½	2	1⅞



SP-4

SP-5

SP-6

NOTES:

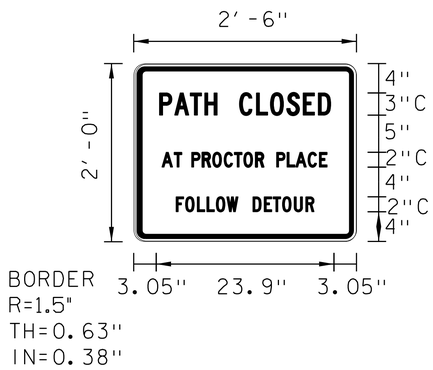
1. COLORS FOR ALL TEMPORARY TRAFFIC CONTROL SIGNS SHALL BE BLACK TEXT AND BORDER ON RETROREFLECTIVE FLUORESCENT ORANGE BACKGROUND.
2. COLORS FOR THE SP-1 TO SP-6 SIGNS SHALL BE BLACK TEXT AND BORDER ON RETROREFLECTIVE FLUORESCENT ORANGE BACKGROUND.
3. ALL SIGNS SHOWN ON THIS PLAN SHALL BECOME THE PROPERTY 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.

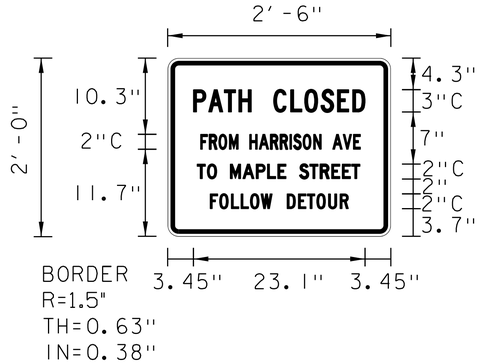
vhb

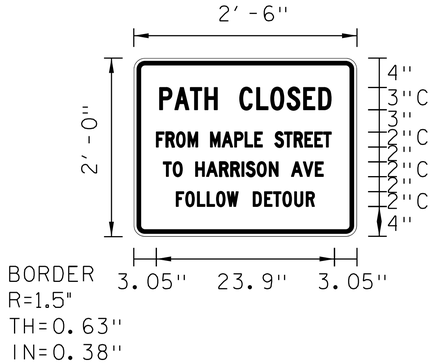
PROJECT NAME: BURLINGTON BIKE PATH PHASE 3
PROJECT NUMBER: 58109.00

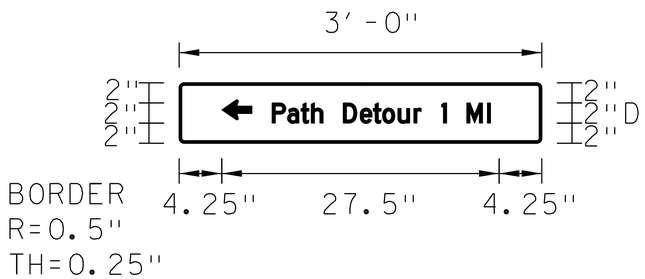
FILE NAME: 58109tcp.dgn
PROJECT LEADER: E.P. DETRICK
DESIGNED BY: C.K.FORD
TRAFFIC CONTROL PLAN (4 OF 5)

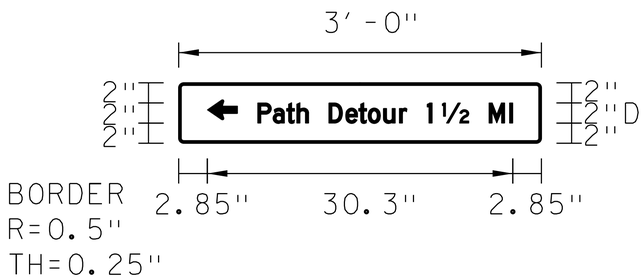
PLOT DATE: 12/5/2018
DRAWN BY: C.K.FORD
CHECKED BY: E.P. DETRICK
SHEET 29 OF 46

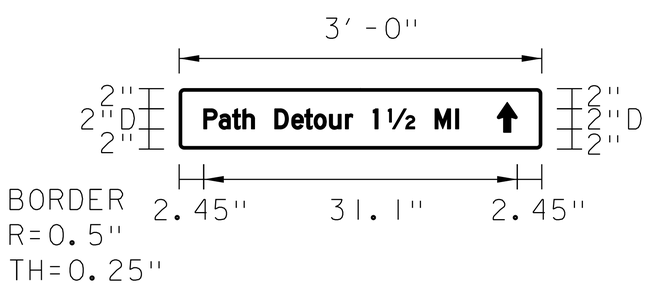


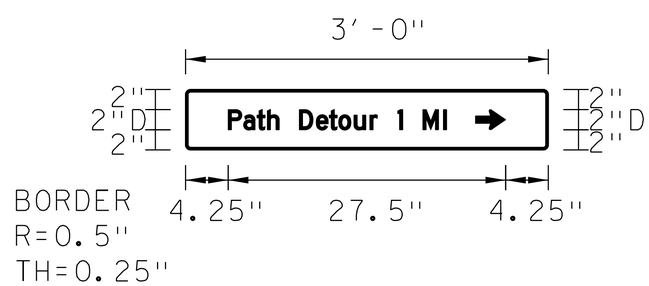






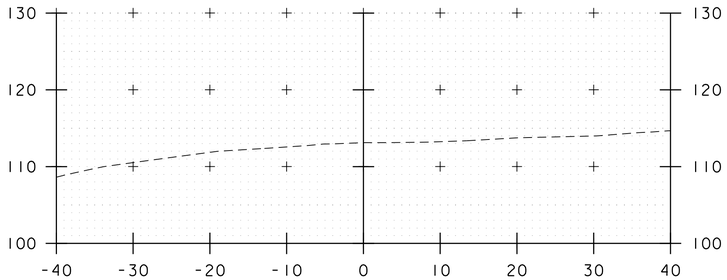




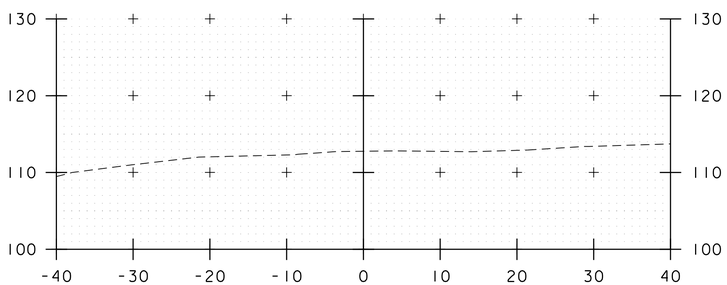


PROJECT NAME: BURLINGTON BIKE PATH PHASE 3	
PROJECT NUMBER: 58109.00	
FILE NAME: 58109tcp.dgn	PLOT DATE: 12/5/2018
PROJECT LEADER: E.P. DETRICK	DRAWN BY: C.K.FORD
DESIGNED BY: C.K.FORD	CHECKED BY: E.P. DETRICK
TRAFFIC CONTROL PLAN (5 OF 5)	SHEET 30 OF 46

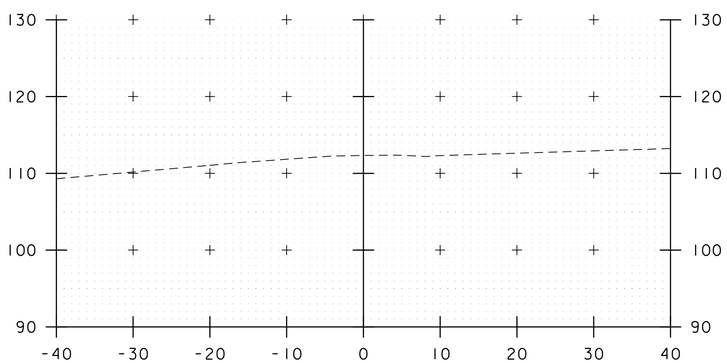
VHB 57634.02



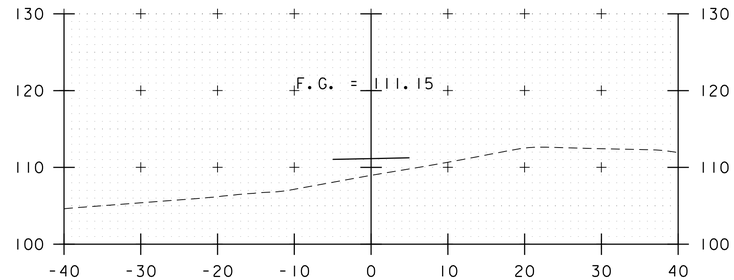
132+50



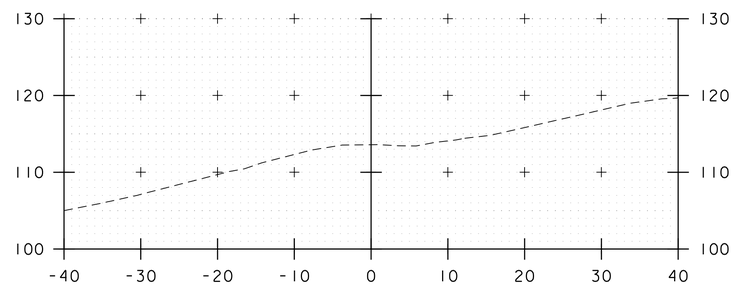
132+00



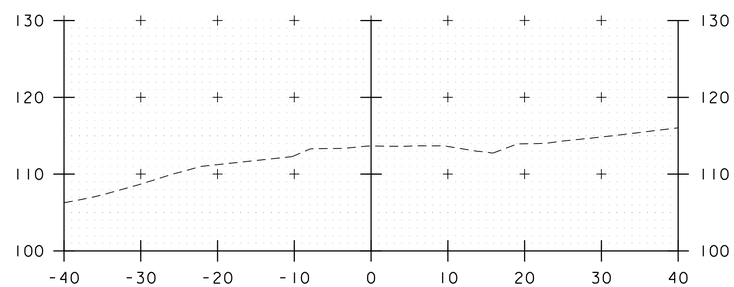
131+50



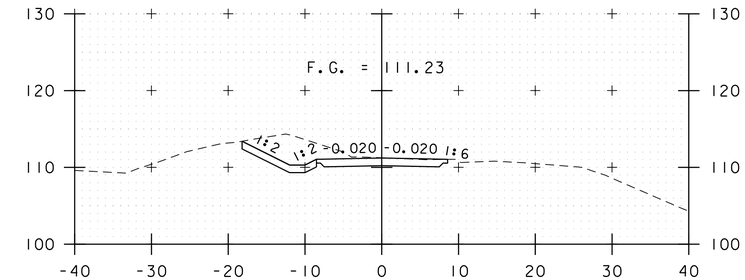
134+00



133+50



133+00



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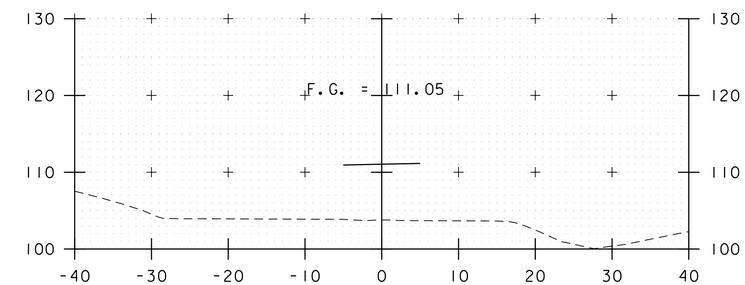
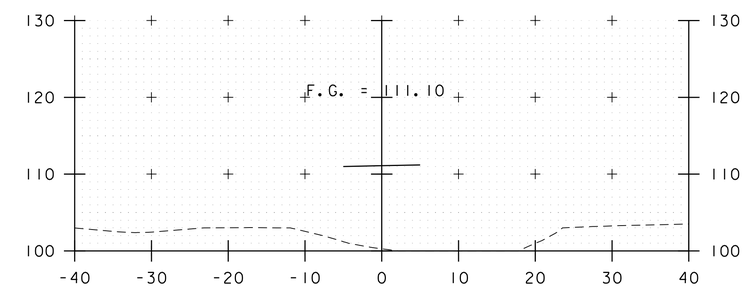
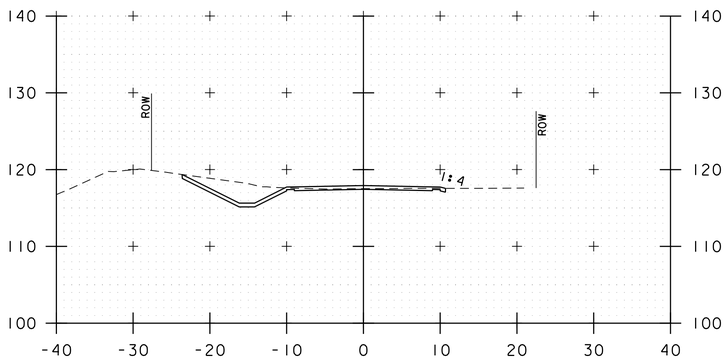


135+00

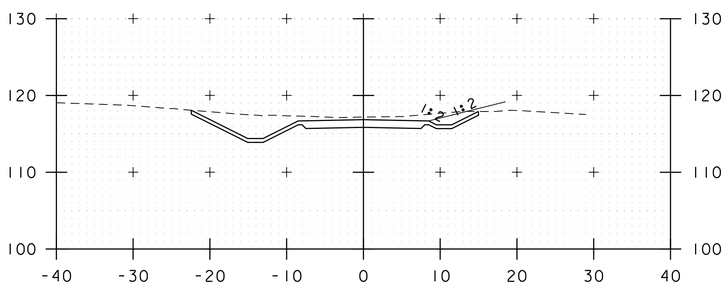


134+50

PROJECT NAME: BURLINGTON BIKE PATH PHASE 3	
PROJECT NUMBER: 58109.00	
FILE NAME: 58109xs.dgn	PLOT DATE: 12/5/2018
PROJECT LEADER: E.P.DETRICK	DRAWN BY: B.M.ROBERTS
DESIGNED BY: B.M.ROBERTS	CHECKED BY: E.P.DETRICK
SECTION 1CROSS SECTIONS (1OF 2)	SHEET 31 OF 46



137+00



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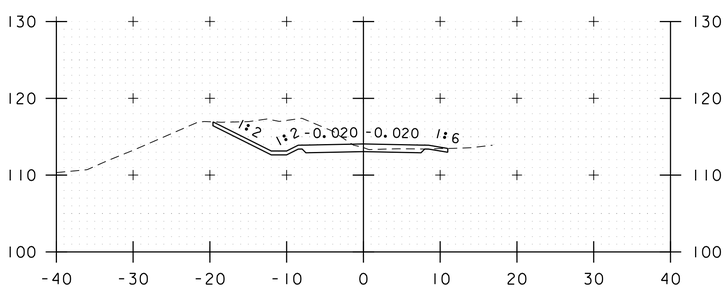

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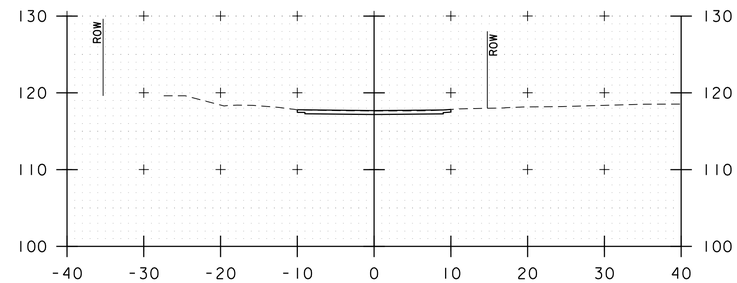
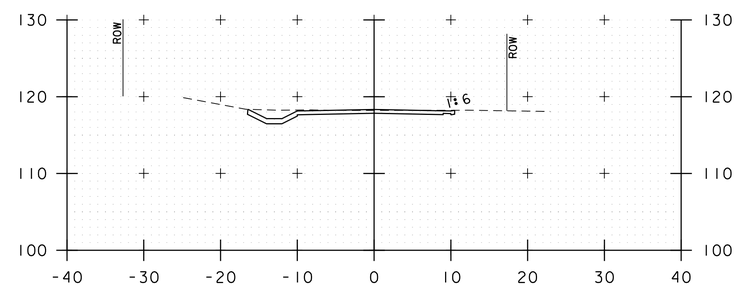


138+50



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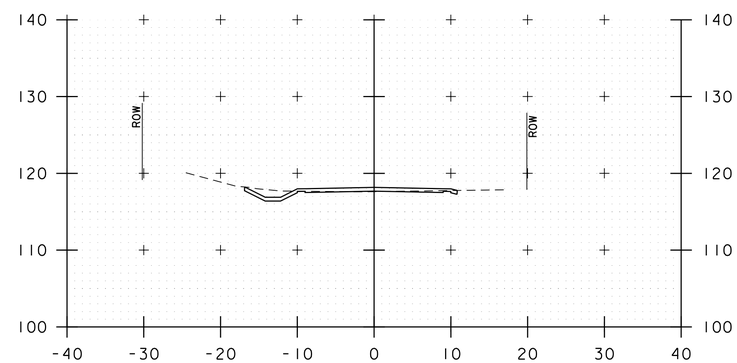
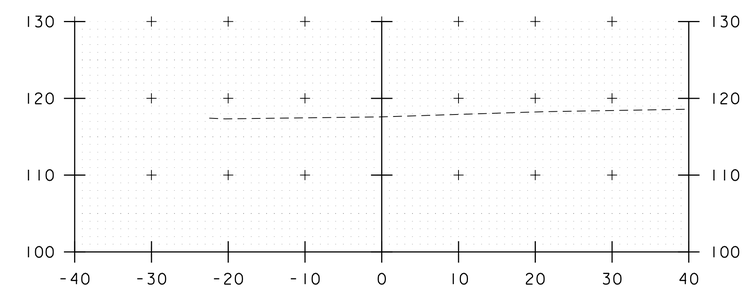
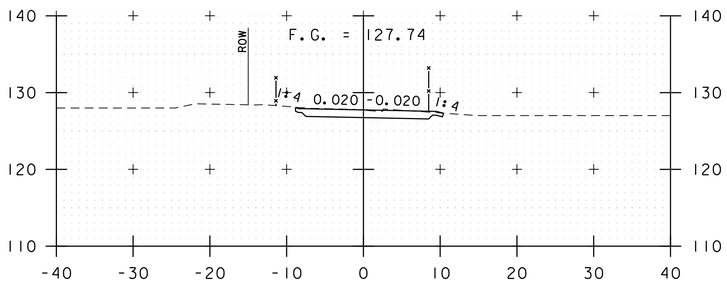


137+50



138+76

PROJECT NAME: BURLINGTON BIKE PATH PHASE 3	
PROJECT NUMBER: 58109.00	
FILE NAME: 58109xs.dgn	PLOT DATE: 12/5/2018
PROJECT LEADER: E.P.DETRICK	DRAWN BY: B.M.ROBERTS
DESIGNED BY: B.M.ROBERTS	CHECKED BY: E.P.DETRICK
SECTION 1CROSS SECTIONS (2 OF 2)	SHEET 32 OF 46



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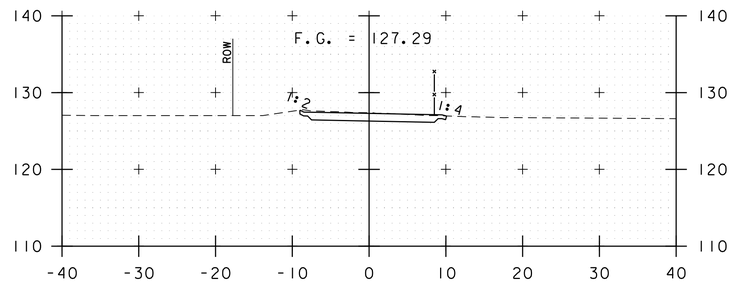

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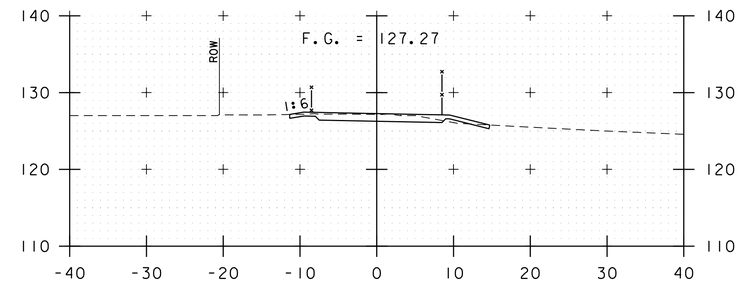

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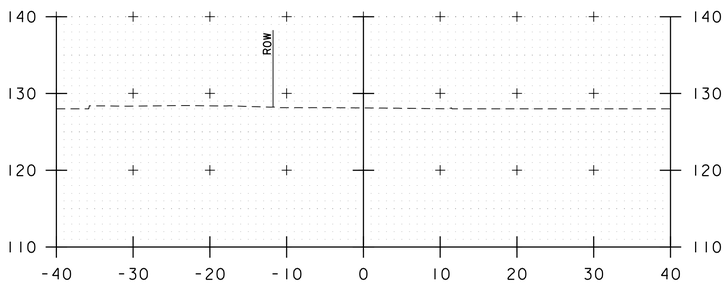

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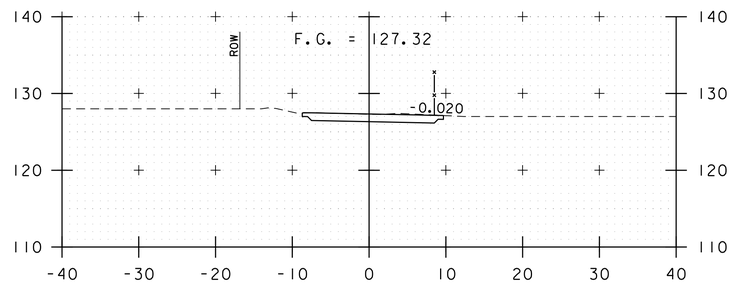

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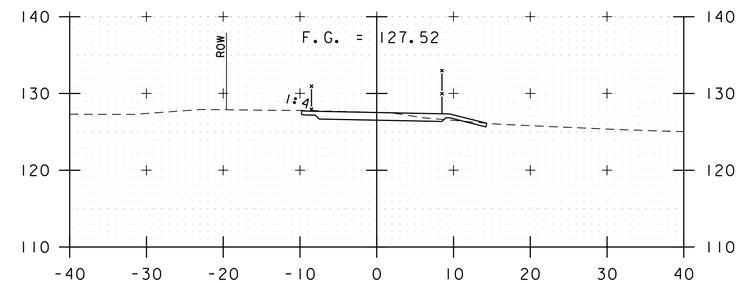

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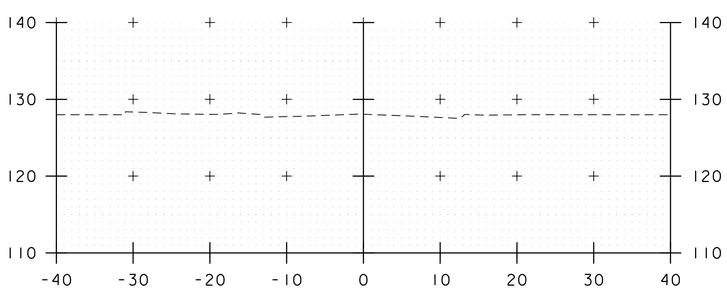

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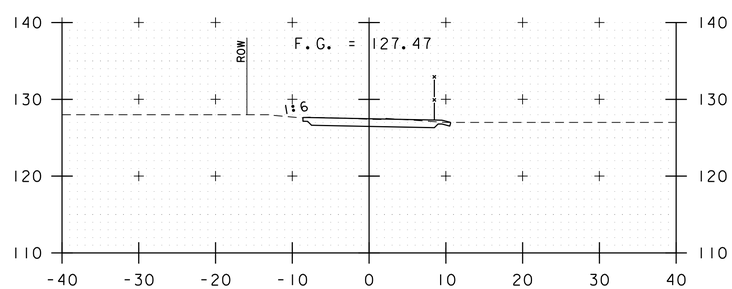

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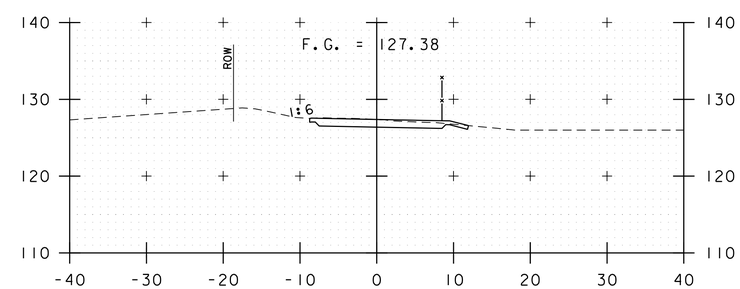
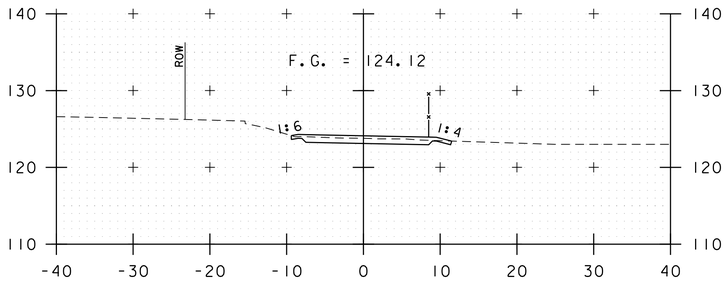
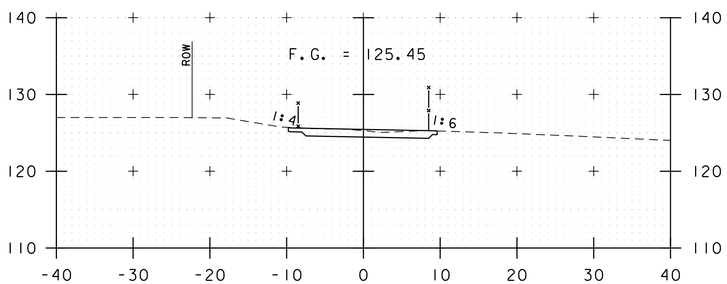


210+00

PROJECT NAME: BURLINGTON BIKE PATH PHASE 3	
PROJECT NUMBER: 58109.00	
FILE NAME: 58109xs.dgn	PLOT DATE: 12/5/2018
PROJECT LEADER: E.P.DETRICK	DRAWN BY: B.M.ROBERTS
DESIGNED BY: B.M.ROBERTS	CHECKED BY: E.P.DETRICK
SECTION 2 CROSS SECTIONS (1 OF 3)	SHEET 33 OF 46



212+50



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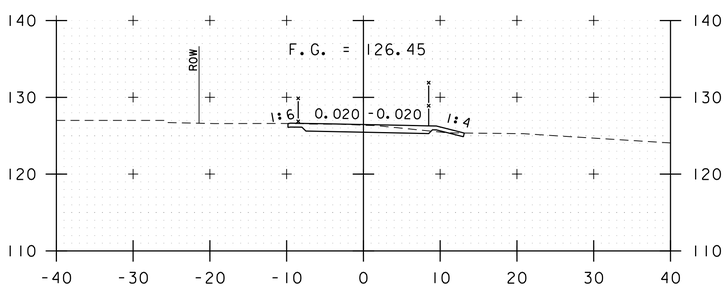
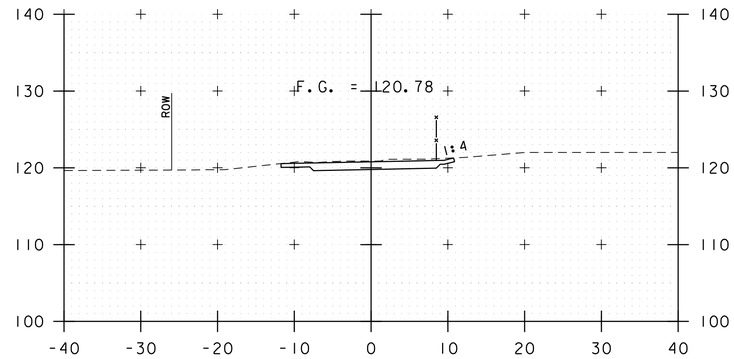
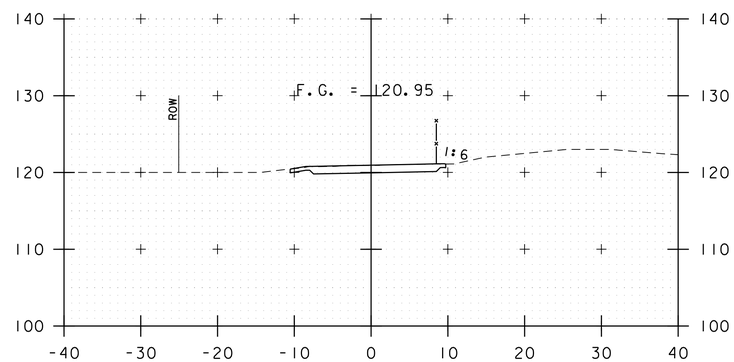


211+50



214+00



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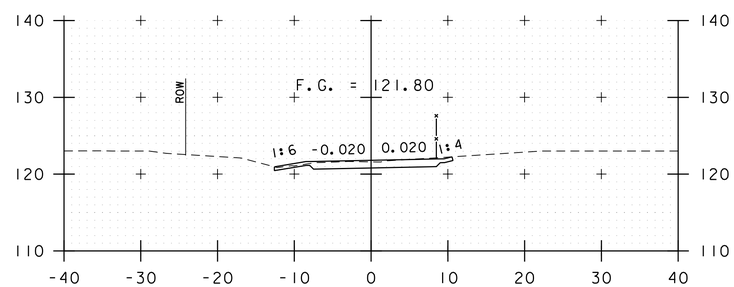

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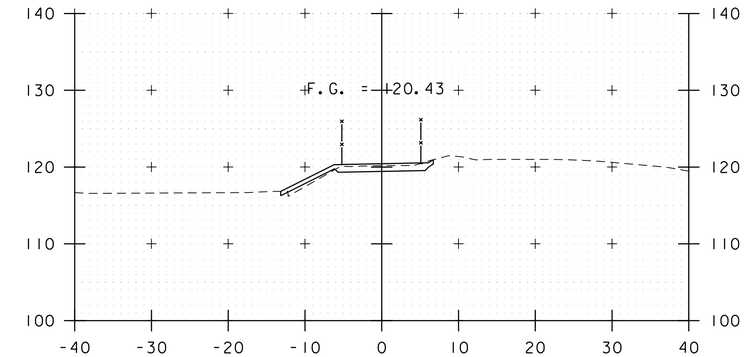

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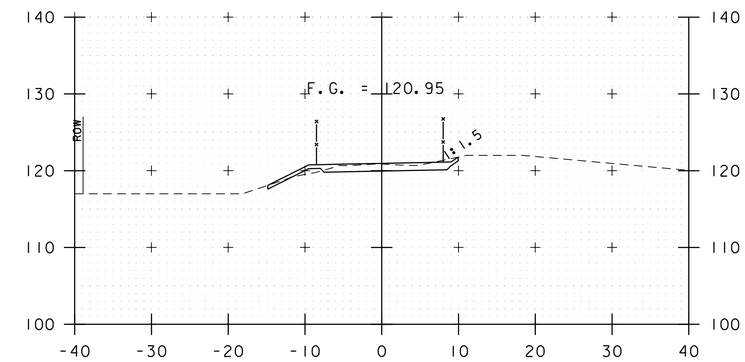

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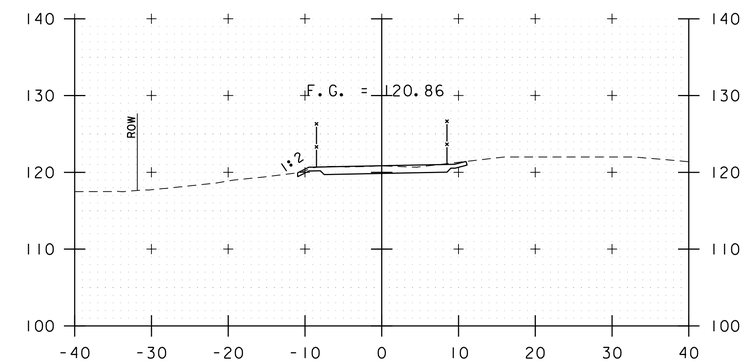
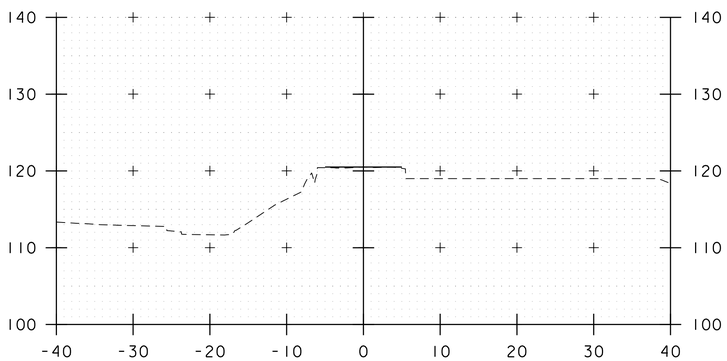


214+50

PROJECT NAME: BURLINGTON BIKE PATH PHASE 3	
PROJECT NUMBER: 58109.00	
FILE NAME: 58109xs.dgn	PLOT DATE: 12/5/2018
PROJECT LEADER: E.P.DETRICK	DRAWN BY: B.M.ROBERTS
DESIGNED BY: B.M.ROBERTS	CHECKED BY: E.P.DETRICK
SECTION 2 CROSS SECTIONS (2 OF 3)	SHEET 34 OF 46



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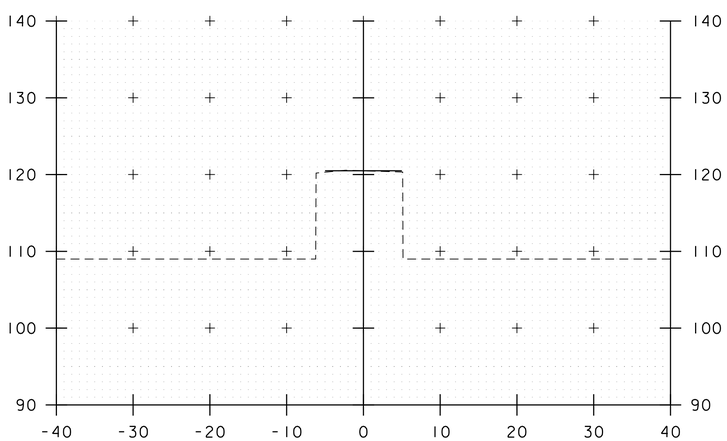
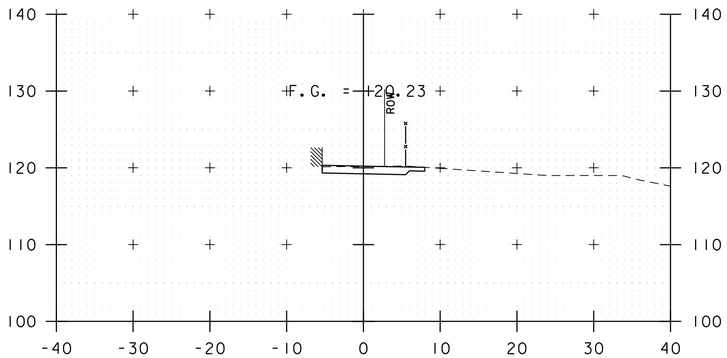


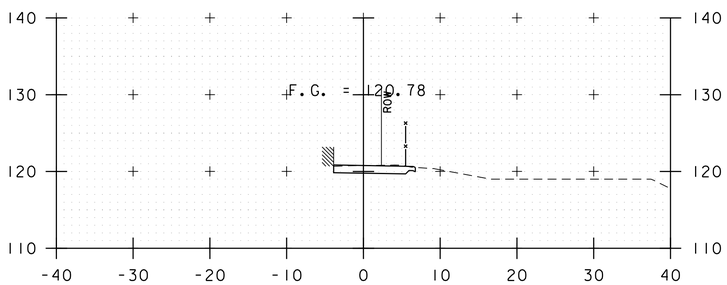
216+00

PROJECT NAME:	BURLINGTON BIKE PATH PHASE 3
PROJECT NUMBER:	58109.00

FILE NAME: 58109xs.dgn	PLOT DATE: 12/5/2018
PROJECT LEADER: E.P.DETRICK	DRAWN BY: B.M.ROBERTS
DESIGNED BY: B.M.ROBERTS	CHECKED BY: E.P.DETRICK
SECTION 2 CROSS SECTIONS (3 OF 3)	SHEET 35 OF 46



301+00



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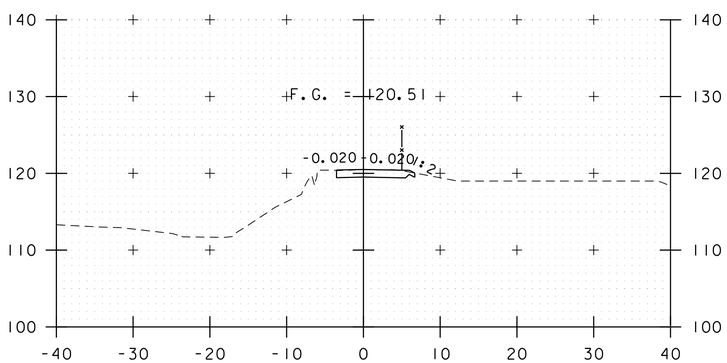

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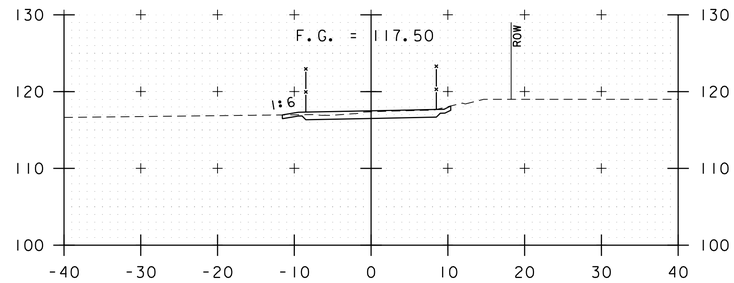

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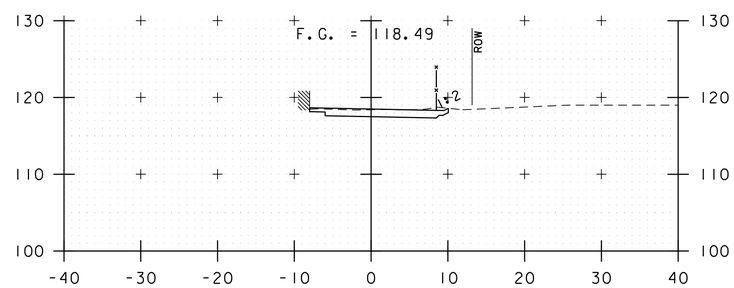
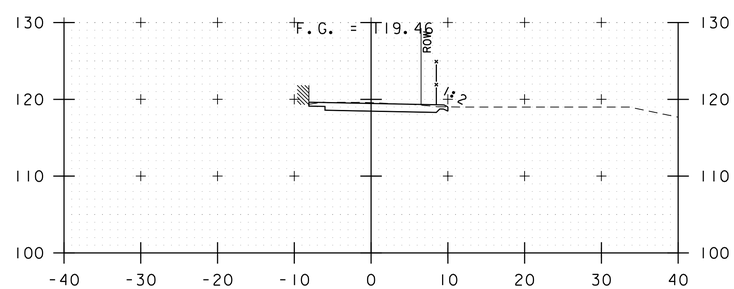
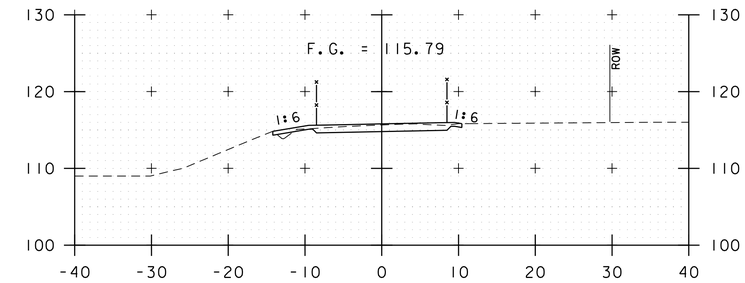


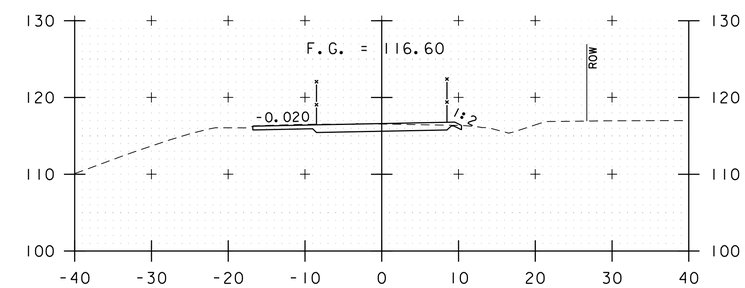
302+00



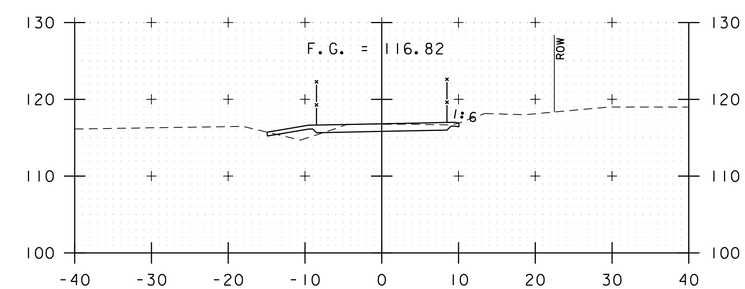
301+50



304+00

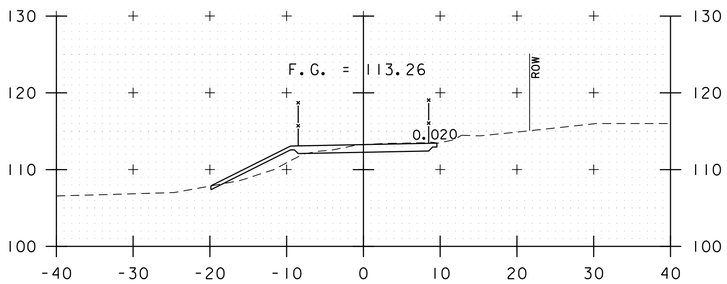


303+50

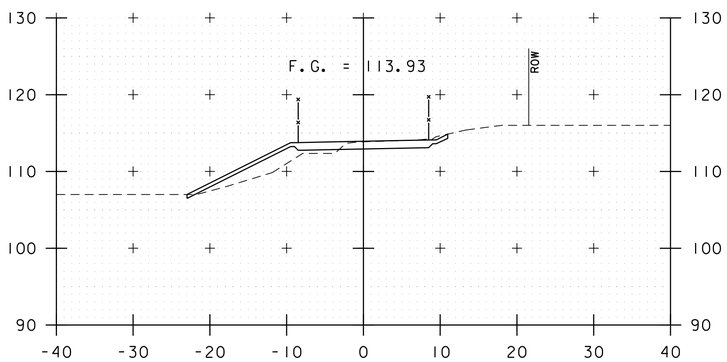


303+00

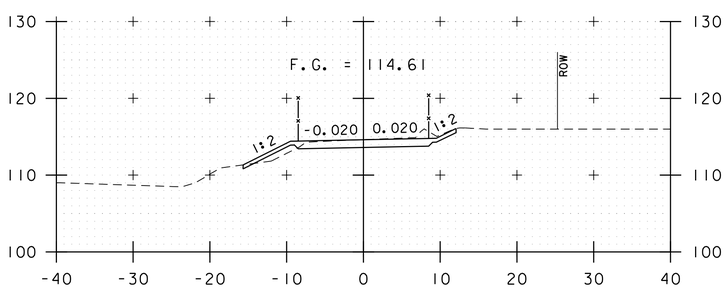
PROJECT NAME: BURLINGTON BIKE PATH PHASE 3	
PROJECT NUMBER: 58109.00	
FILE NAME: 58109xs.dgn	PLOT DATE: 12/5/2018
PROJECT LEADER: E.P.DETRICK	DRAWN BY: B.M.ROBERTS
DESIGNED BY: B.M.ROBERTS	CHECKED BY: E.P.DETRICK
SECTION 3 CROSS SECTIONS (1 OF 4)	SHEET 36 OF 46



305+50



305+00



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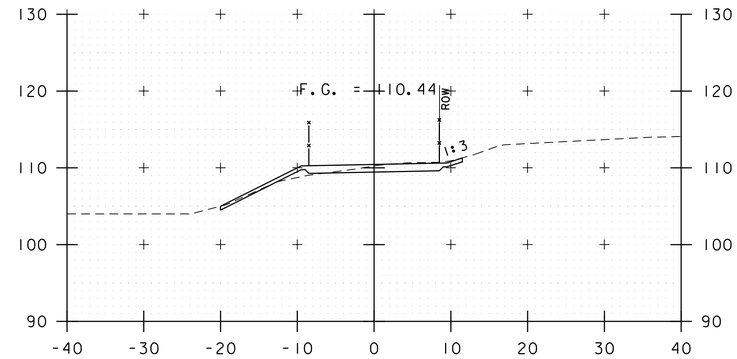
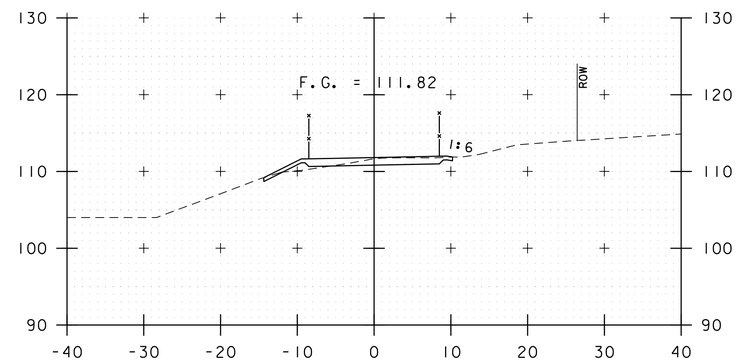
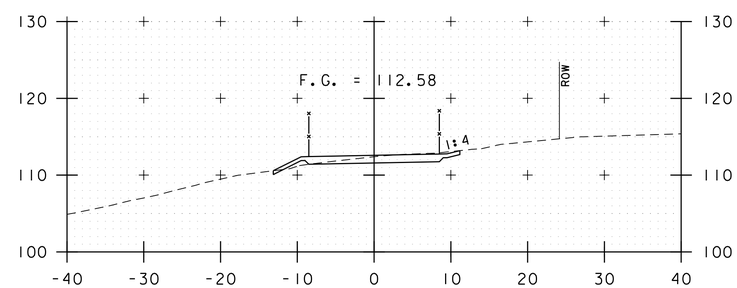


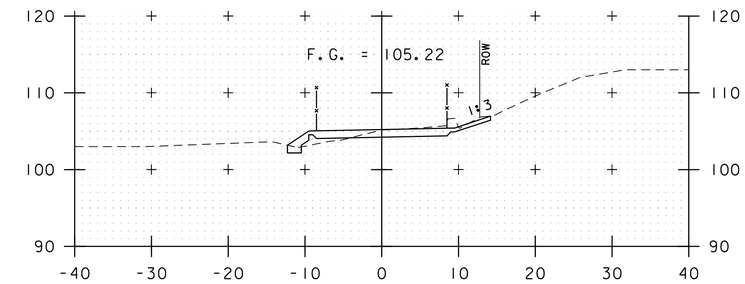
307+00



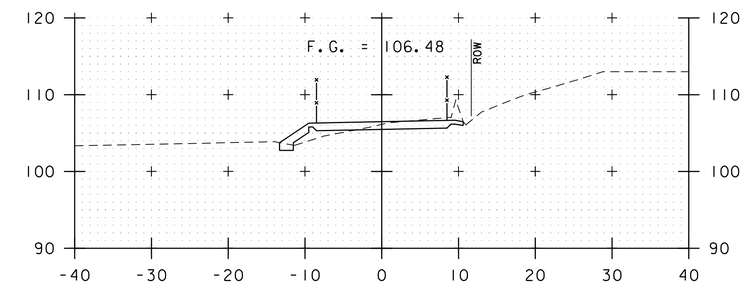
306+50



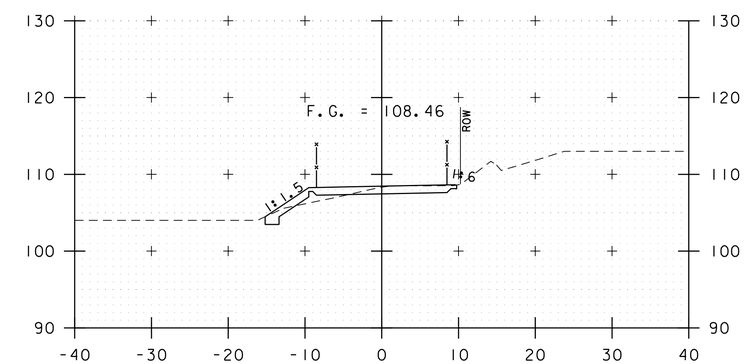
306+00



308+50



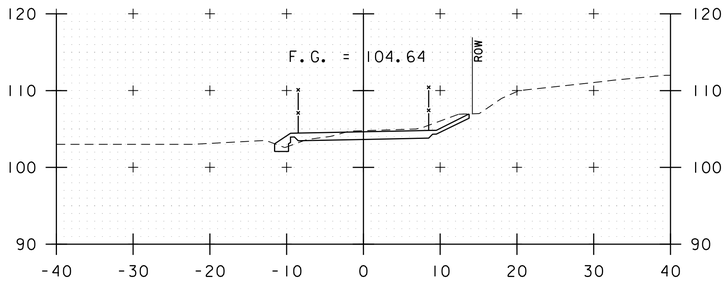
308+00



307+50

PROJECT NAME:	BURLINGTON BIKE PATH PHASE 3
PROJECT NUMBER:	58109.00

FILE NAME: 58109xs.dgn	PLOT DATE: 12/5/2018
PROJECT LEADER: E.P.DETRICK	DRAWN BY: B.M.ROBERTS
DESIGNED BY: B.M.ROBERTS	CHECKED BY: E.P.DETRICK
SECTION 3 CROSS SECTIONS (2 OF 4)	SHEET 37 OF 46



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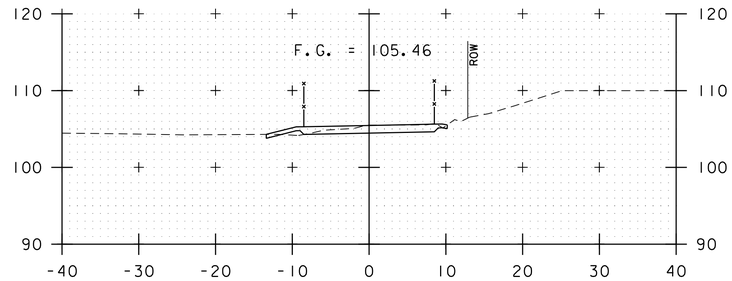

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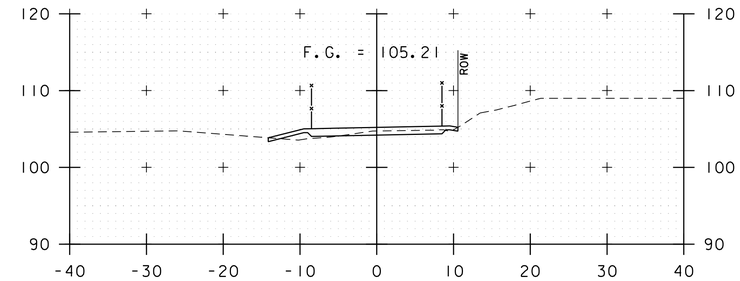

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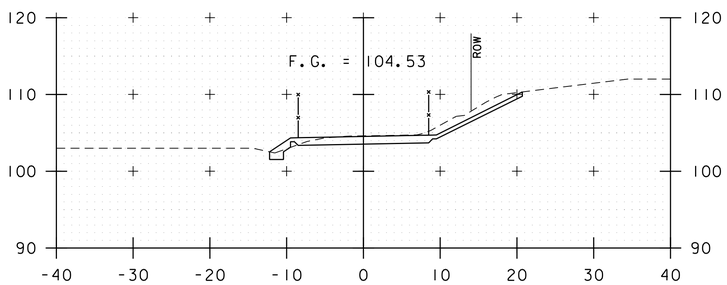

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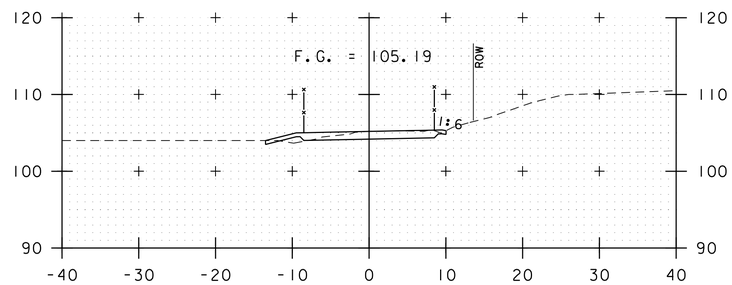

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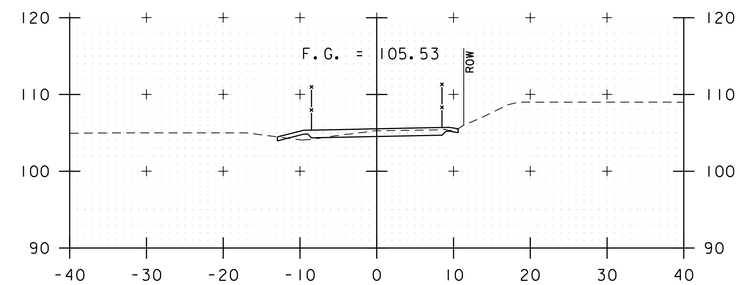

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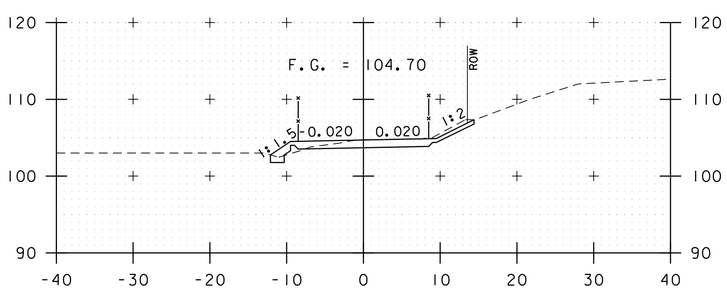

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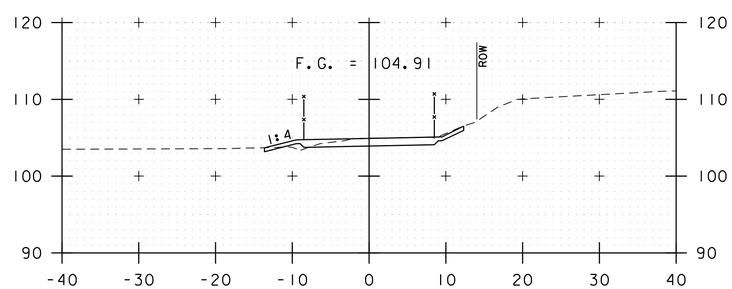

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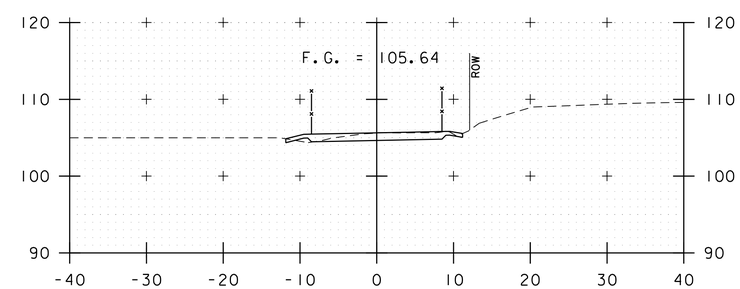
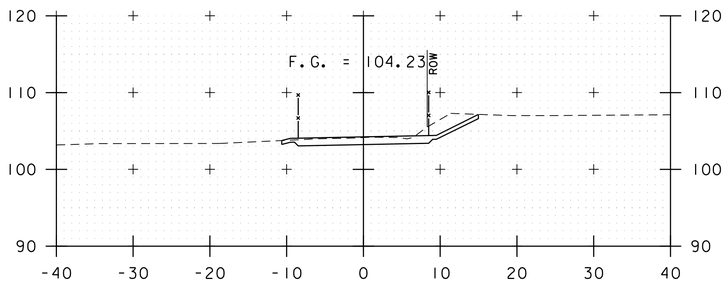


312+00

PROJECT NAME: BURLINGTON BIKE PATH PHASE 3	
PROJECT NUMBER: 58109.00	
FILE NAME: 58109xs.dgn	PLOT DATE: 12/5/2018
PROJECT LEADER: E.P.DETRICK	DRAWN BY: B.M.ROBERTS
DESIGNED BY: B.M.ROBERTS	CHECKED BY: E.P.DETRICK
SECTION 3 CROSS SECTIONS (3 OF 4)	SHEET 38 OF 46



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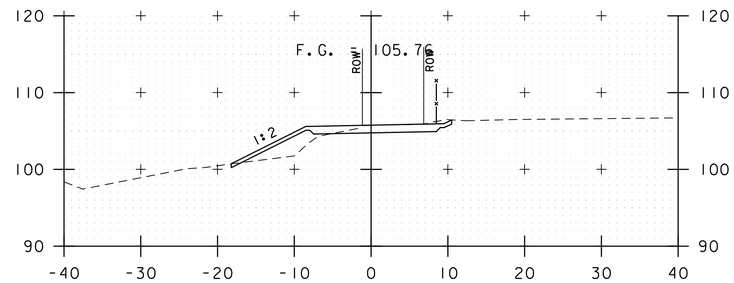

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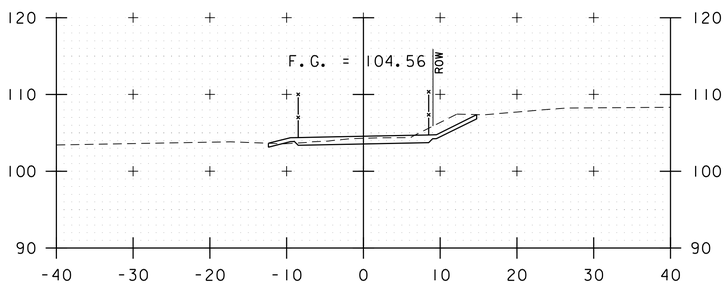

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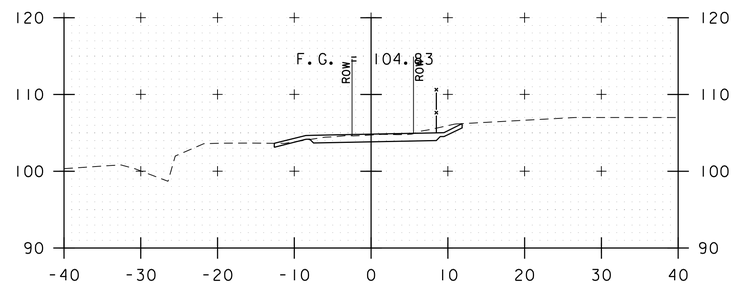

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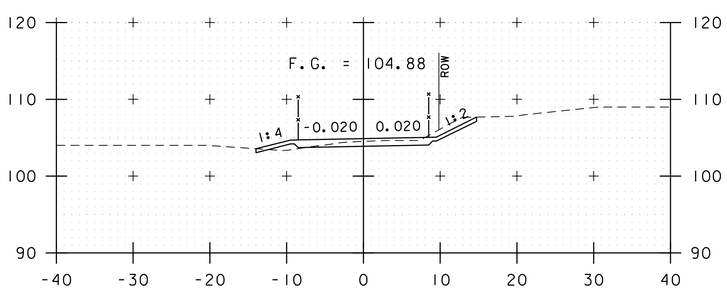

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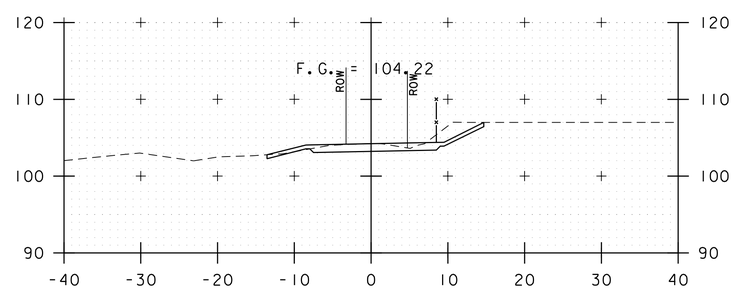

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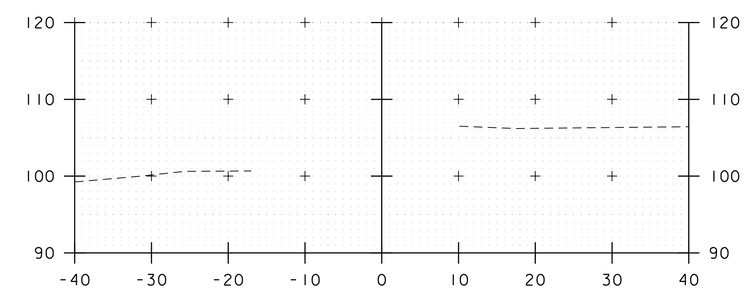

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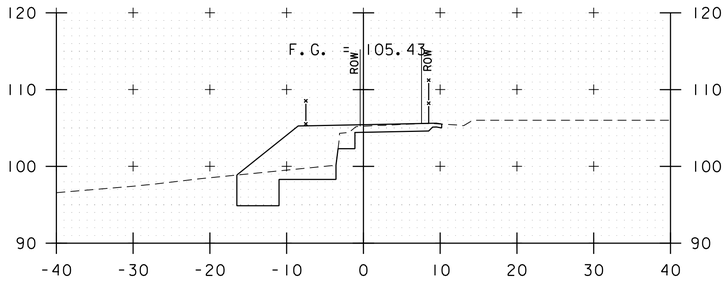
PROJECT NAME: BURLINGTON BIKE PATH PHASE 3	
PROJECT NUMBER: 58109.00	
FILE NAME: 58109xs.dgn	PLOT DATE: 12/5/2018
PROJECT LEADER: E.P.DETRICK	DRAWN BY: B.M.ROBERTS
DESIGNED BY: B.M.ROBERTS	CHECKED BY: E.P.DETRICK
SECTION 3 CROSS SECTIONS (4 OF 4)	SHEET 39 OF 46



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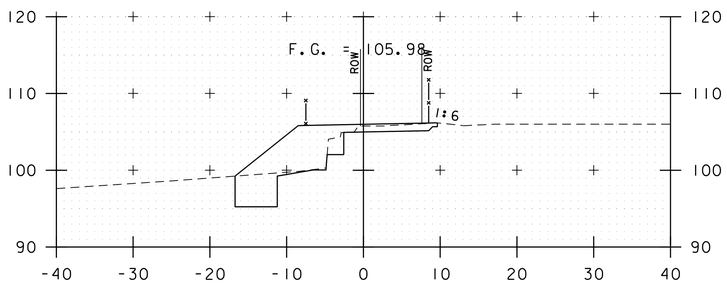

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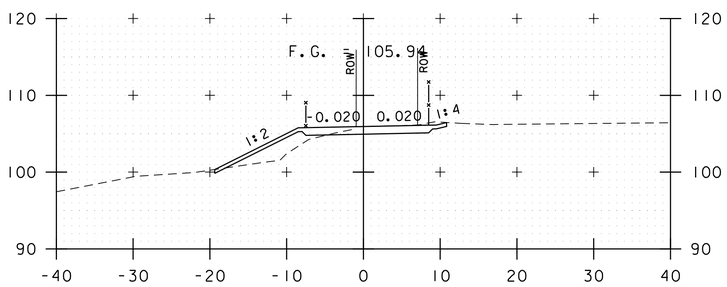

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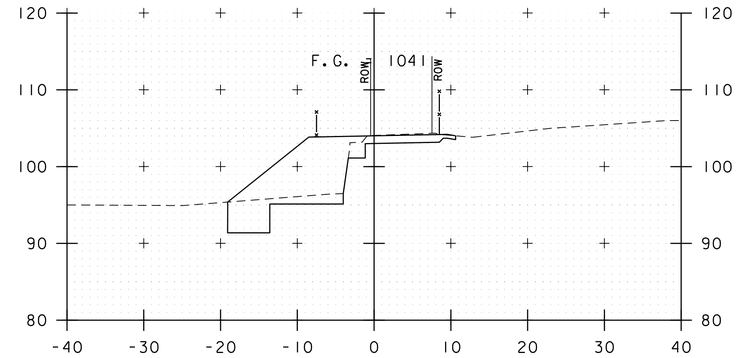

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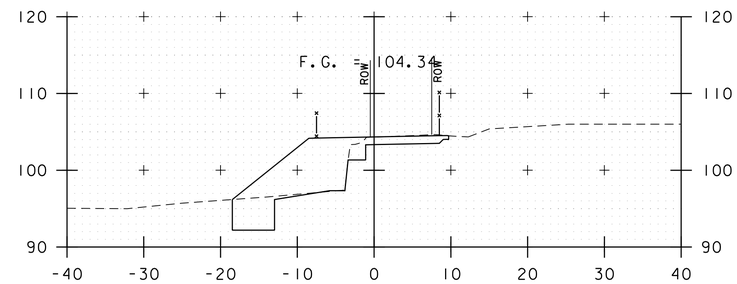

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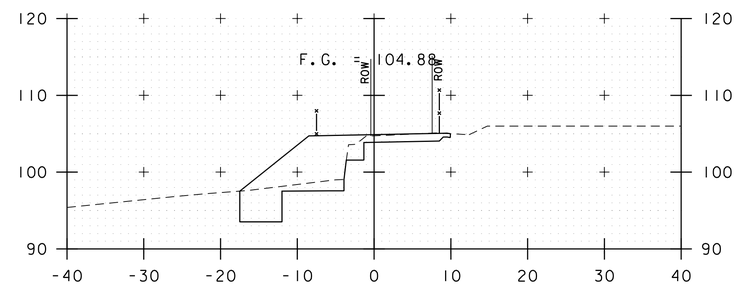

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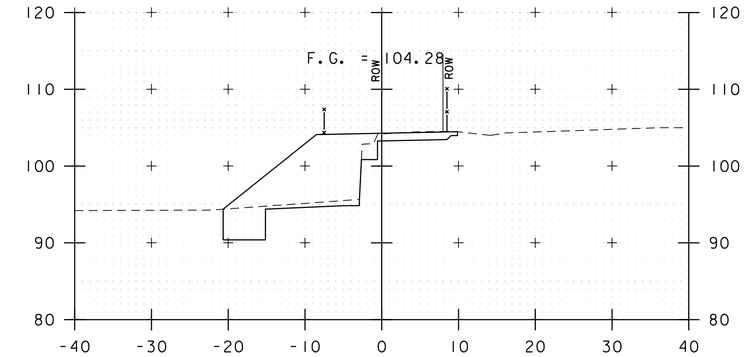

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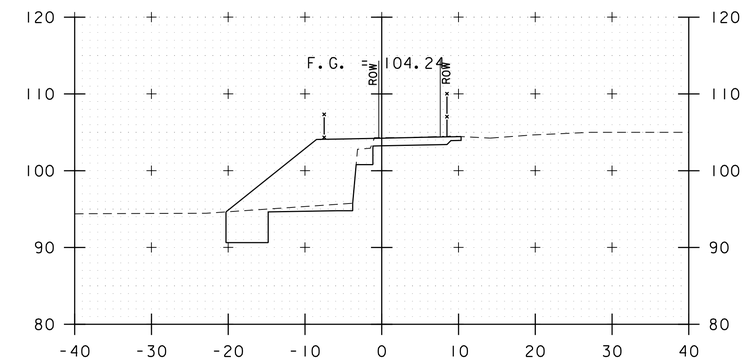

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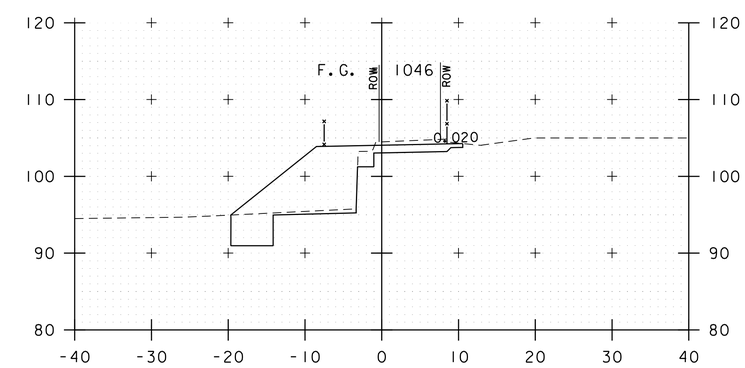
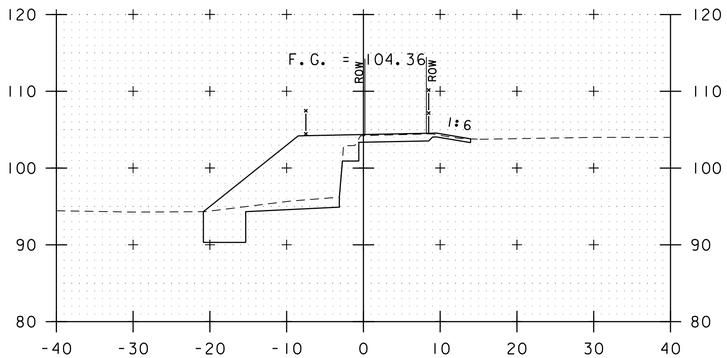


403+00

PROJECT NAME: BURLINGTON BIKE PATH PHASE 3	
PROJECT NUMBER: 58109.00	
FILE NAME: 58109xs.dgn	PLOT DATE: 12/5/2018
PROJECT LEADER: E.P.DETRICK	DRAWN BY: B.M.ROBERTS
DESIGNED BY: B.M.ROBERTS	CHECKED BY: E.P.DETRICK
SECTION 4 CROSS SECTIONS (1 OF 6)	SHEET 40 OF 46



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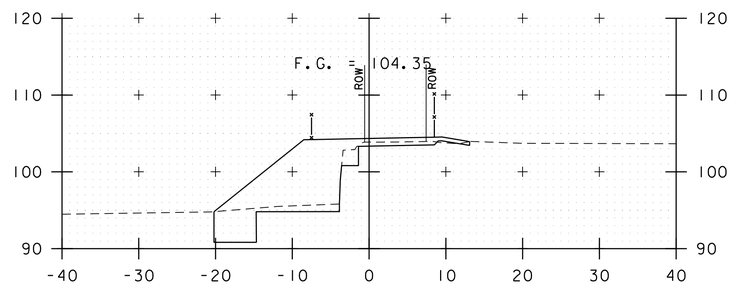

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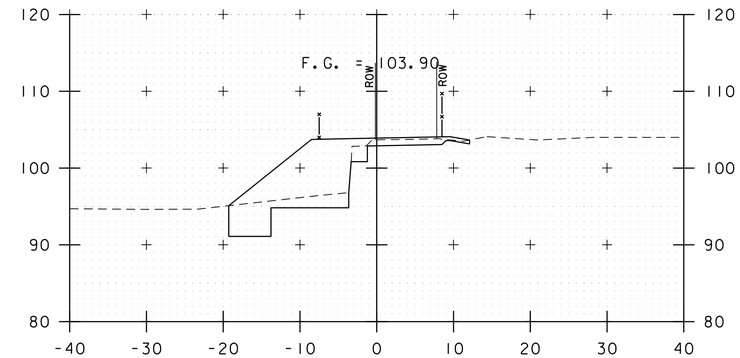

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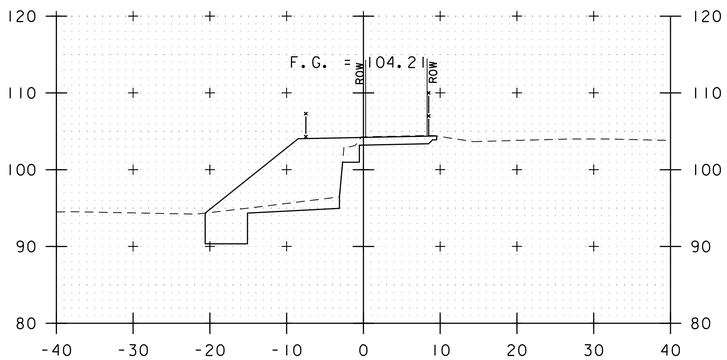

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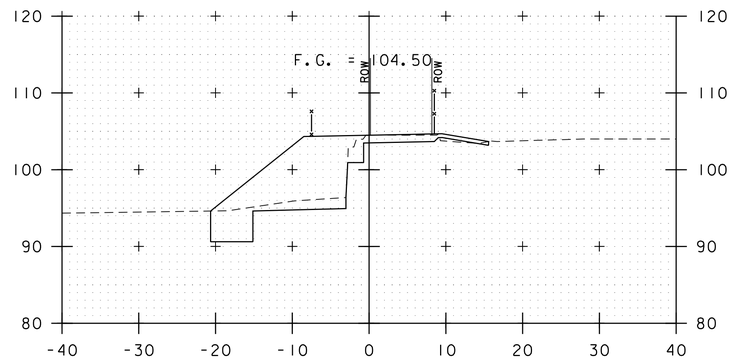

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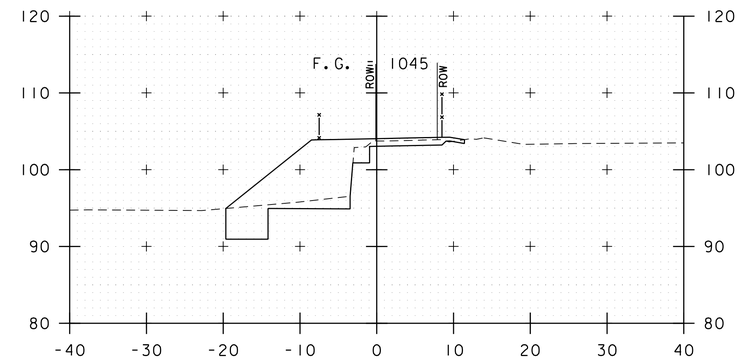

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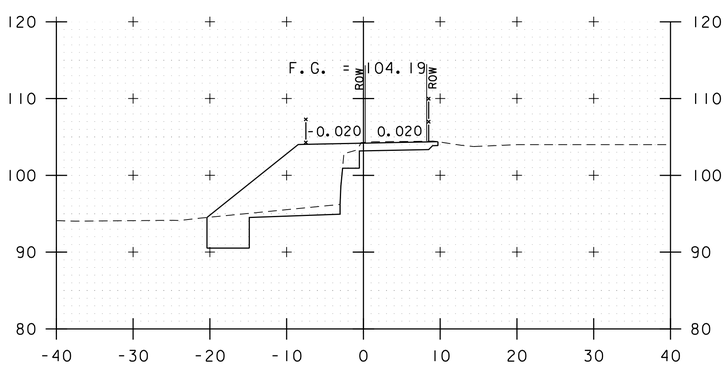

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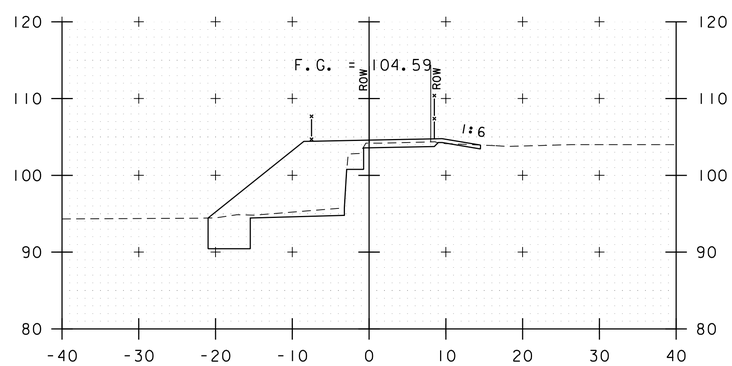

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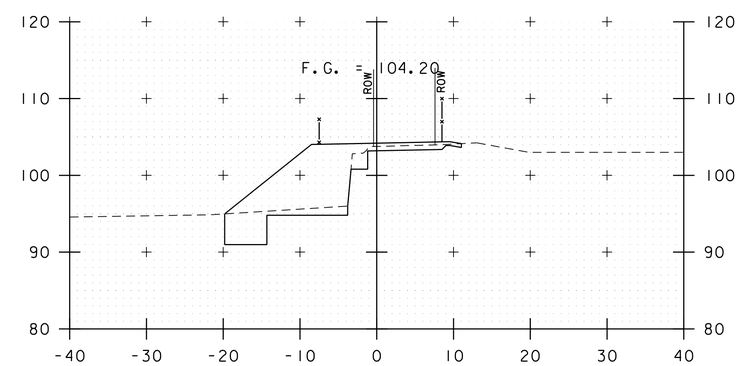

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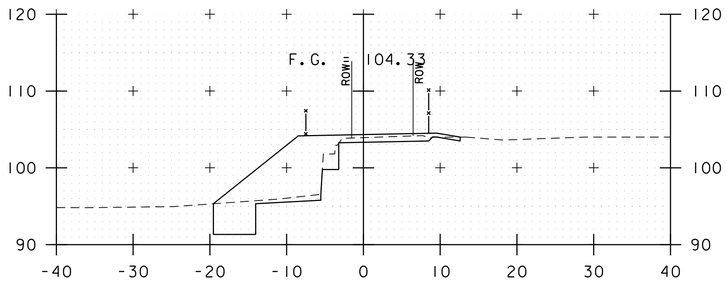
PROJECT NAME: BURLINGTON BIKE PATH PHASE 3	
PROJECT NUMBER: 58109.00	
FILE NAME: 58109xs.dgn	PLOT DATE: 12/5/2018
PROJECT LEADER: E.P.DETRICK	DRAWN BY: B.M.ROBERTS
DESIGNED BY: B.M.ROBERTS	CHECKED BY: E.P.DETRICK
SECTION 4 CROSS SECTIONS (2 OF 6)	SHEET 41 OF 46



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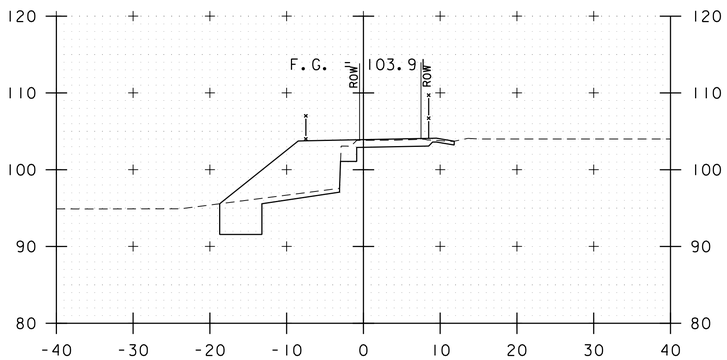

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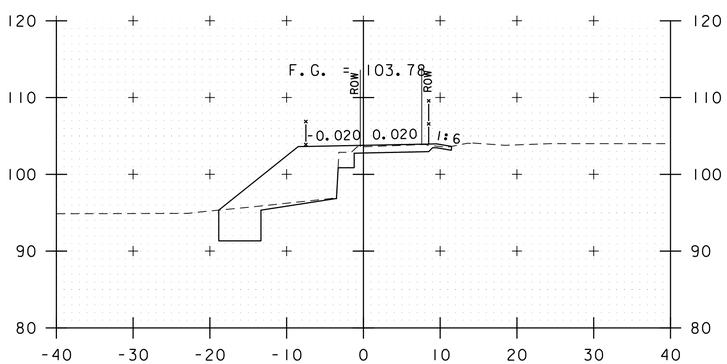

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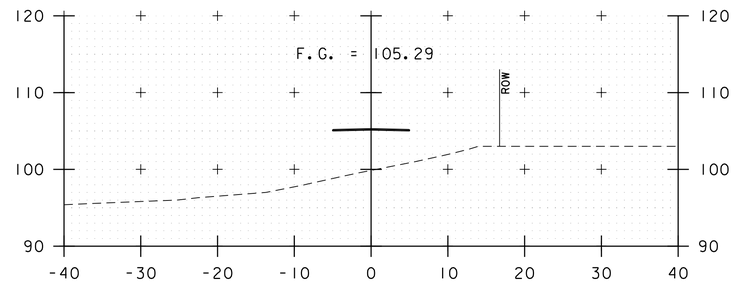

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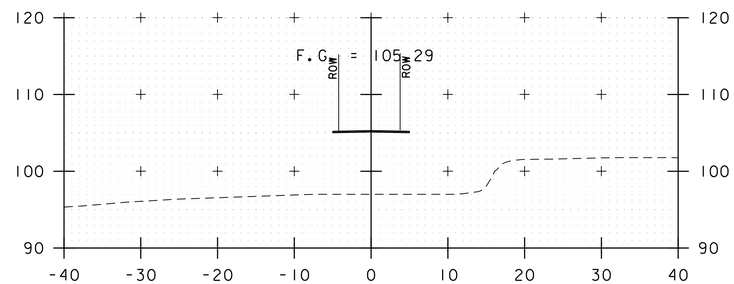

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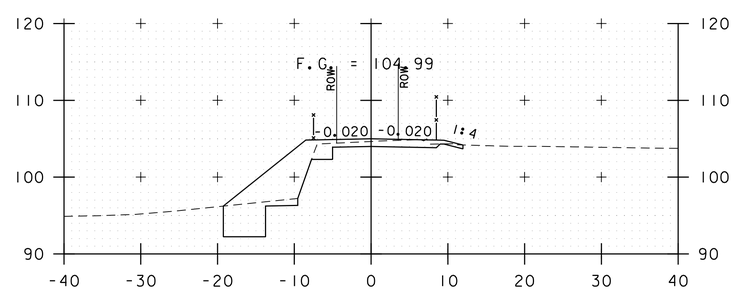

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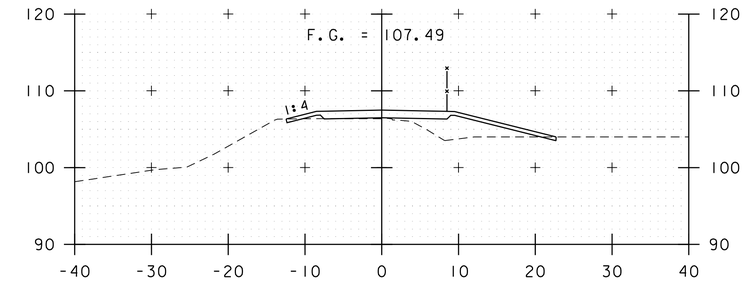

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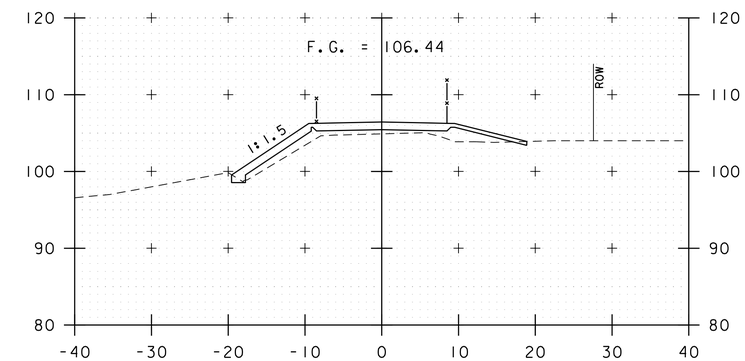

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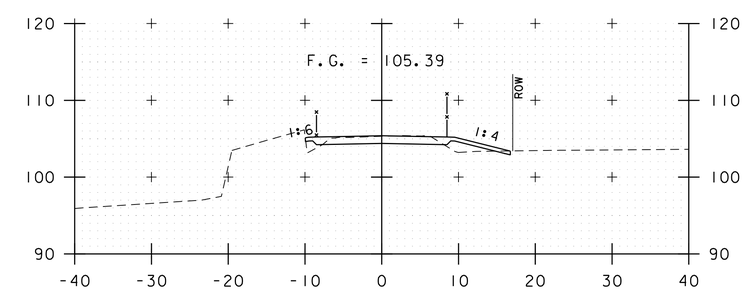

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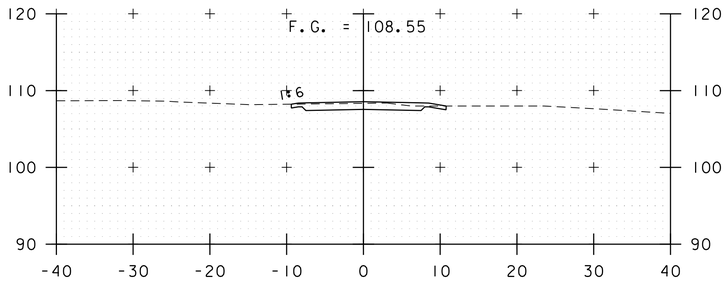
PROJECT NAME: BURLINGTON BIKE PATH PHASE 3	
PROJECT NUMBER: 58109.00	
FILE NAME: 58109xs.dgn	PLOT DATE: 12/5/2018
PROJECT LEADER: E.P.DETRICK	DRAWN BY: B.M.ROBERTS
DESIGNED BY: B.M.ROBERTS	CHECKED BY: E.P.DETRICK
SECTION 4 CROSS SECTIONS (3 OF 6)	SHEET 42 OF 46



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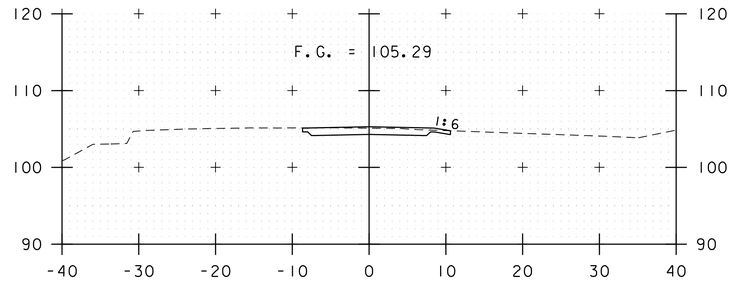

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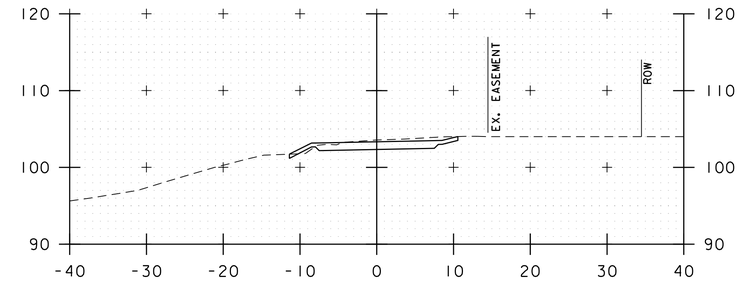

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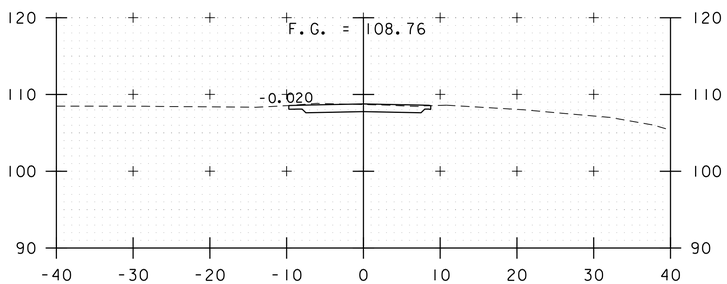

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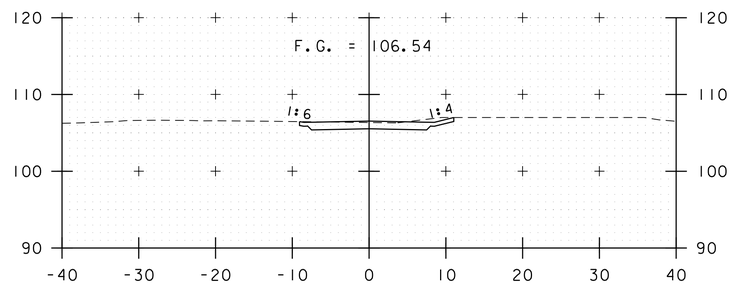

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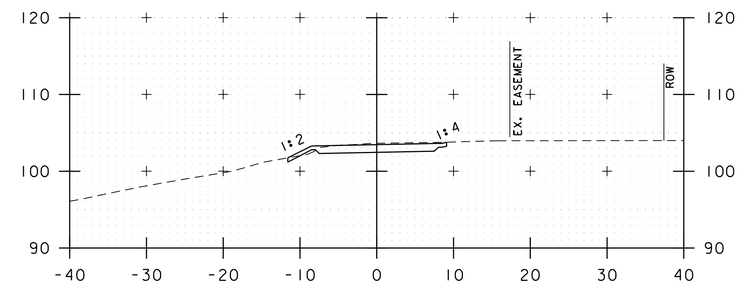

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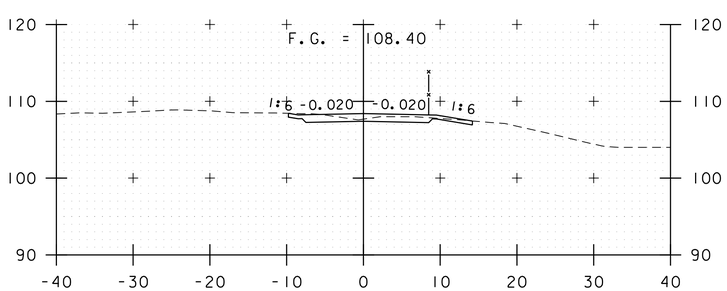

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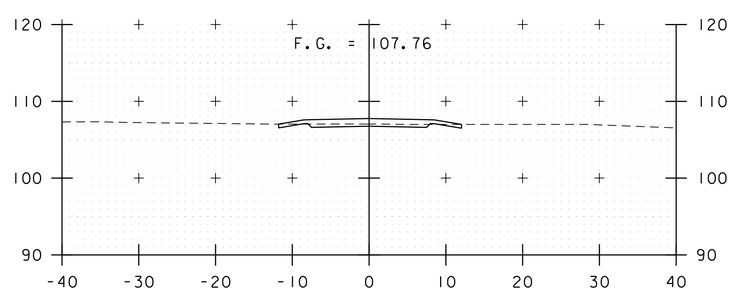

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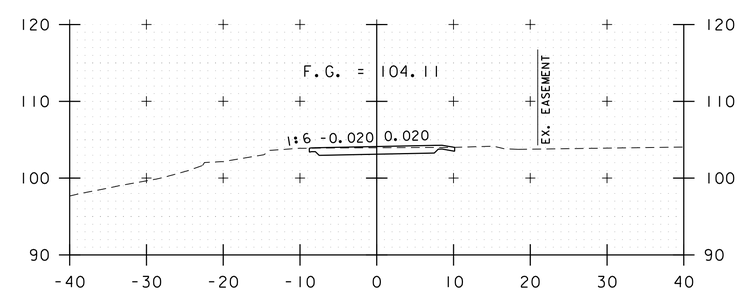
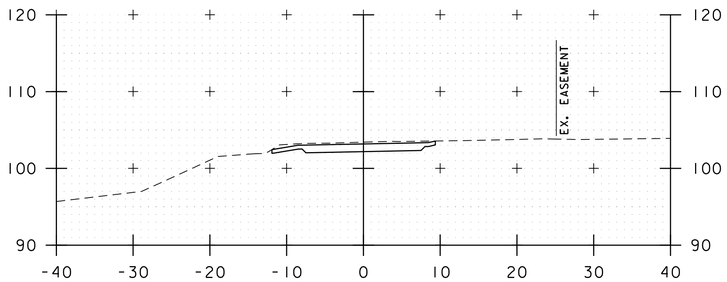
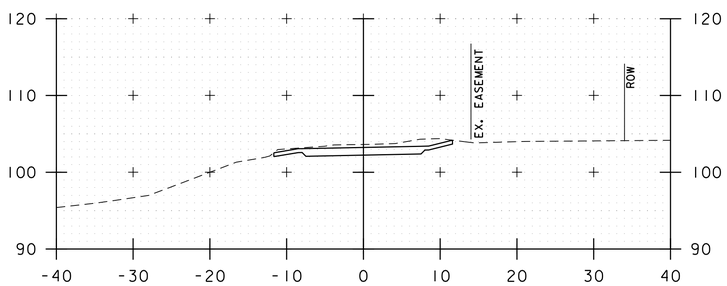


416+50

PROJECT NAME: BURLINGTON BIKE PATH PHASE 3	
PROJECT NUMBER: 58109.00	
FILE NAME: 58109xs.dgn	PLOT DATE: 12/5/2018
PROJECT LEADER: E.P.DETRICK	DRAWN BY: B.M.ROBERTS
DESIGNED BY: B.M.ROBERTS	CHECKED BY: E.P.DETRICK
SECTION 4 CROSS SECTIONS (4 OF 6)	SHEET 43 OF 46



419+00



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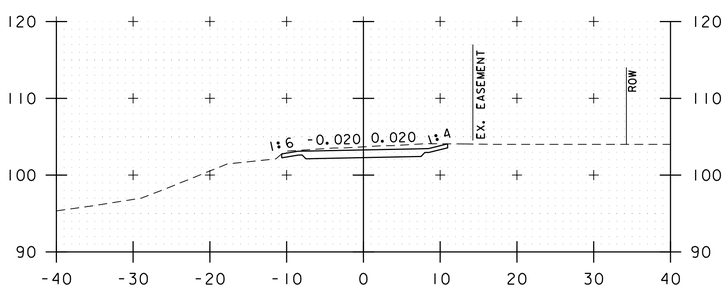

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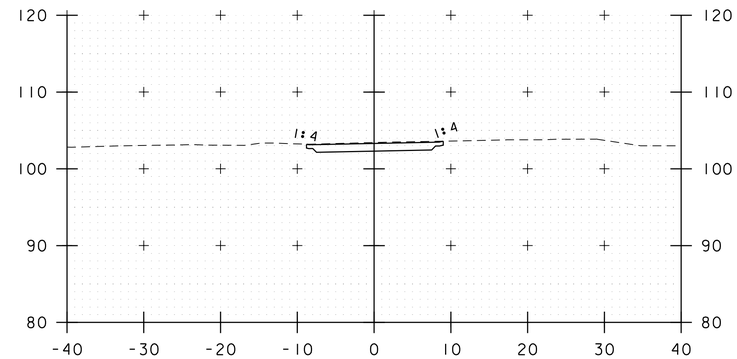
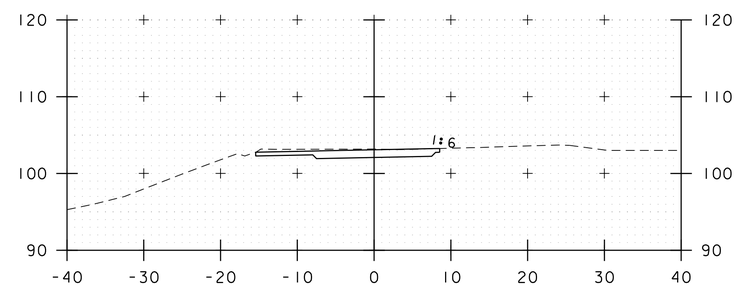


420+50



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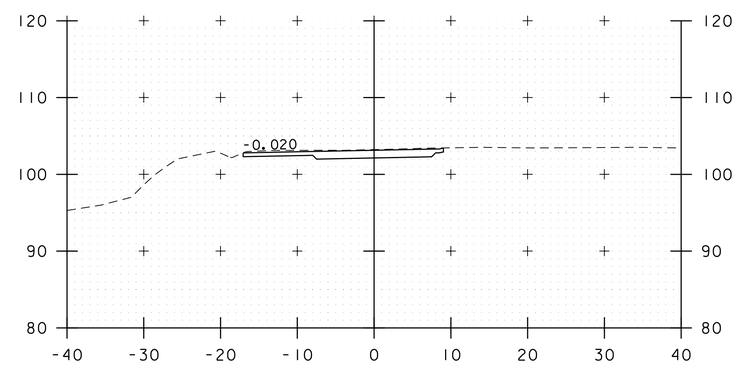

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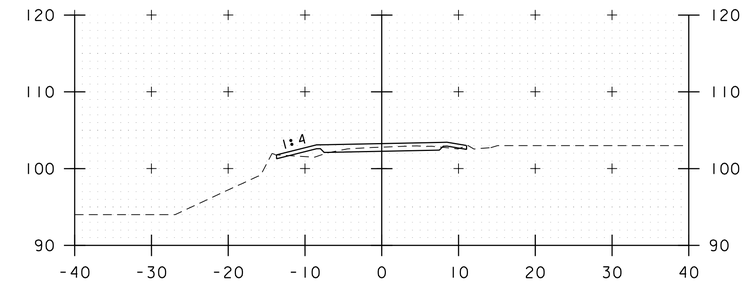

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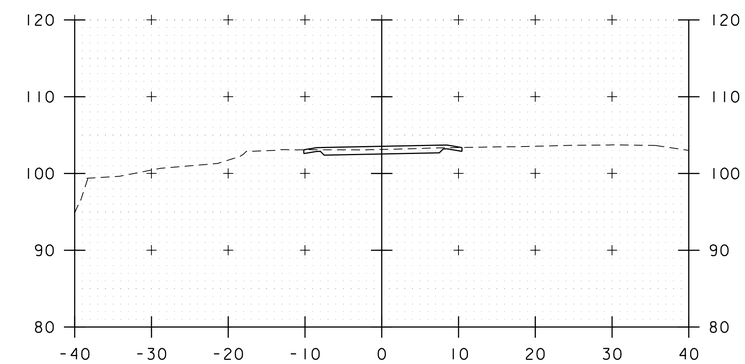
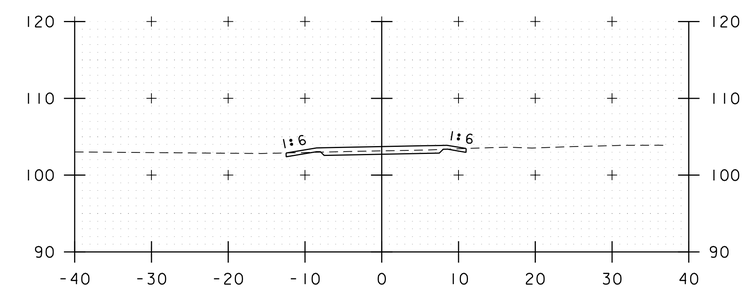
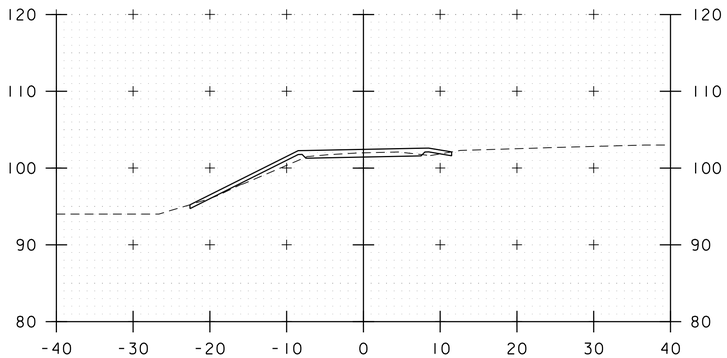


421+50

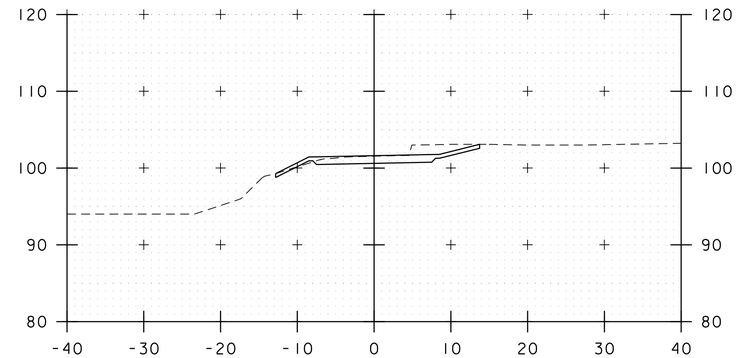


421+00

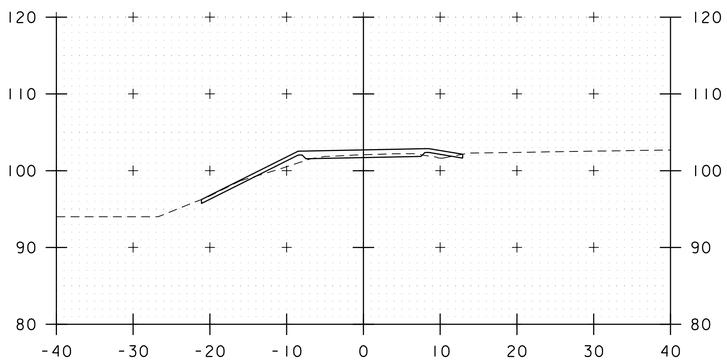
PROJECT NAME: BURLINGTON BIKE PATH PHASE 3	
PROJECT NUMBER: 58109.00	
FILE NAME: 58109xs.dgn	PLOT DATE: 12/5/2018
PROJECT LEADER: E.P.DETRICK	DRAWN BY: B.M.ROBERTS
DESIGNED BY: B.M.ROBERTS	CHECKED BY: E.P.DETRICK
SECTION 4 CROSS SECTIONS (5 OF 6)	SHEET 44 OF 46



423+50



425+00



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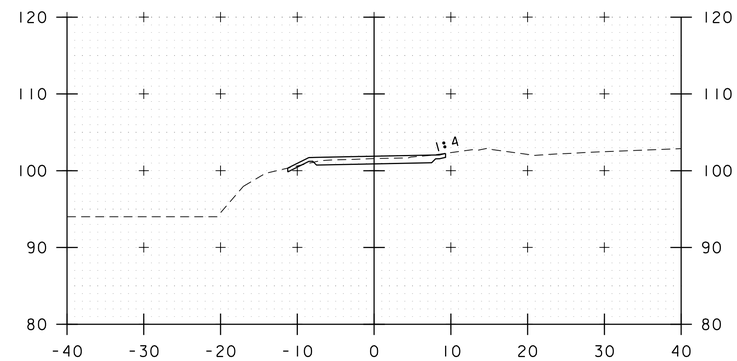
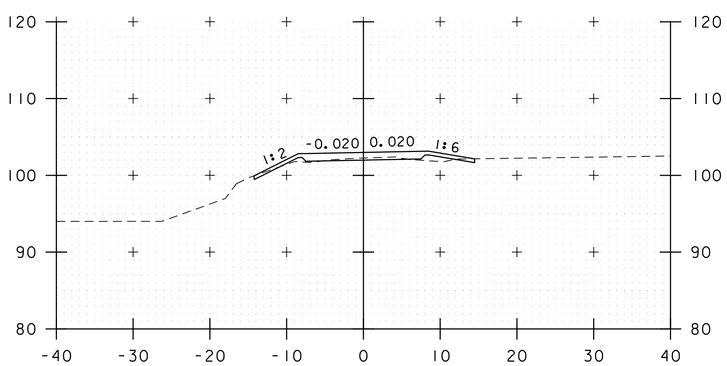
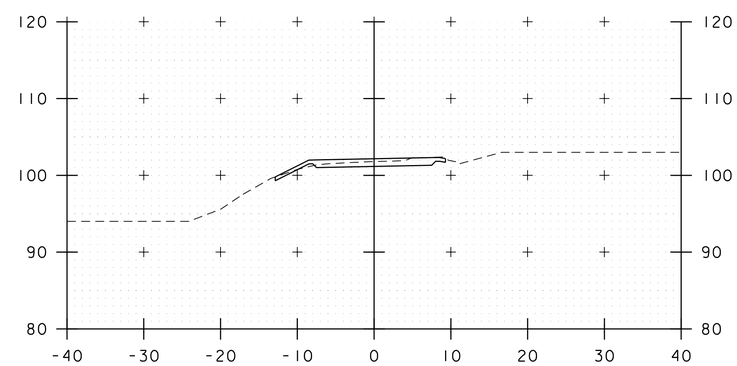


424+50



422+50



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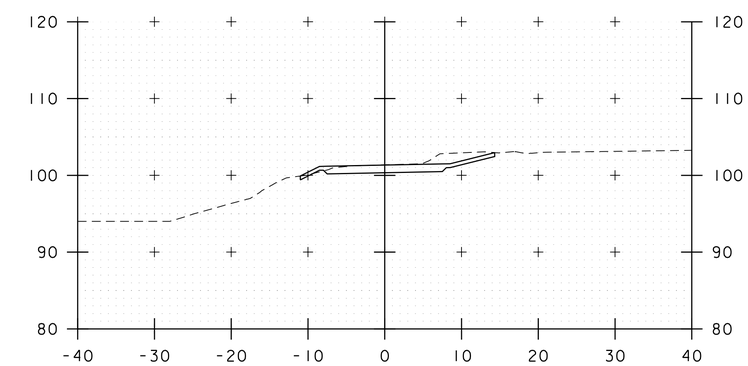
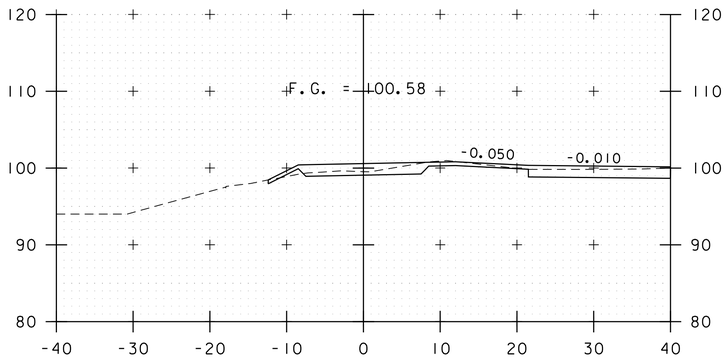


425+50

PROJECT NAME: BURLINGTON BIKE PATH PHASE 3	
PROJECT NUMBER: 58109.00	
FILE NAME: 58109xs.dgn	PLOT DATE: 12/5/2018
PROJECT LEADER: E.P.DETRICK	DRAWN BY: B.M.ROBERTS
DESIGNED BY: B.M.ROBERTS	CHECKED BY: E.P.DETRICK
SECTION 4 CROSS SECTIONS (6 OF 6)	SHEET 45 OF 46



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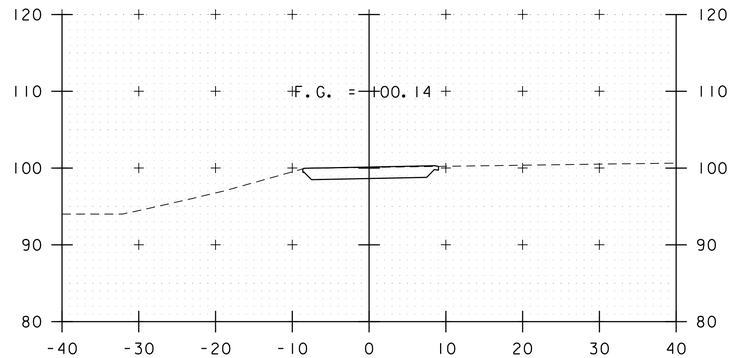
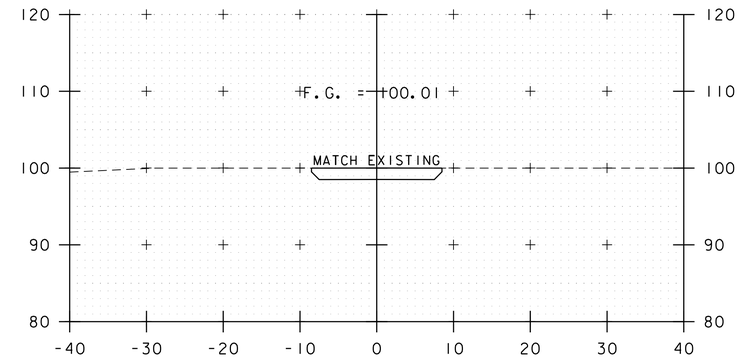


1002+50



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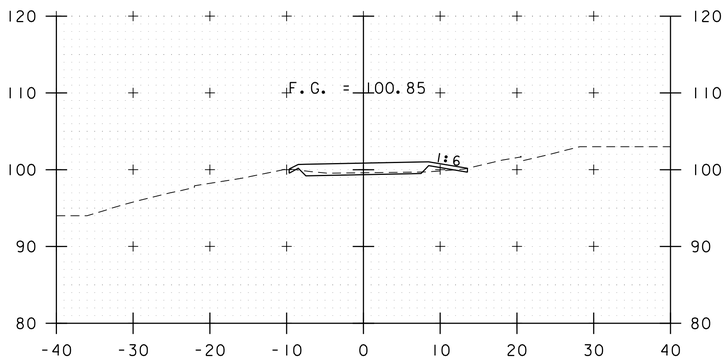

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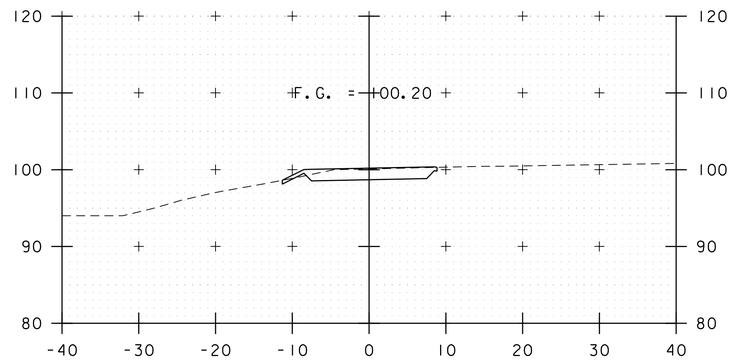

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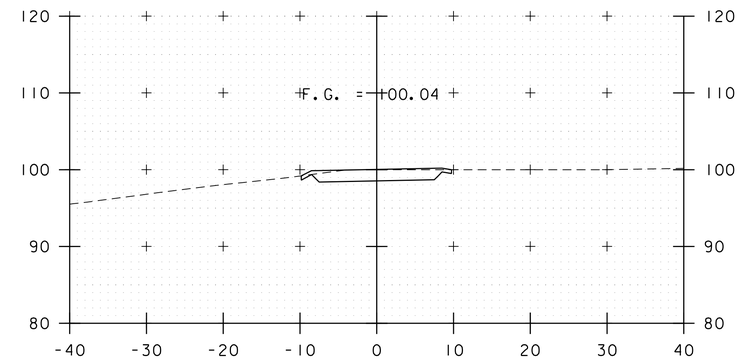

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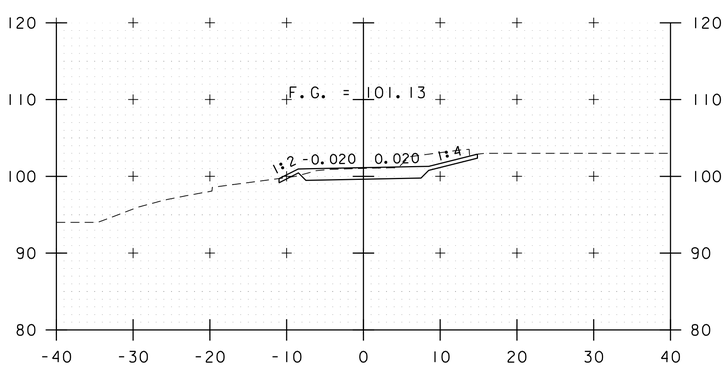

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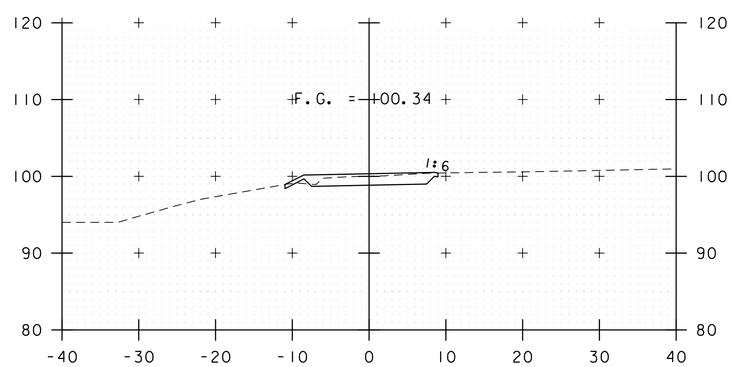

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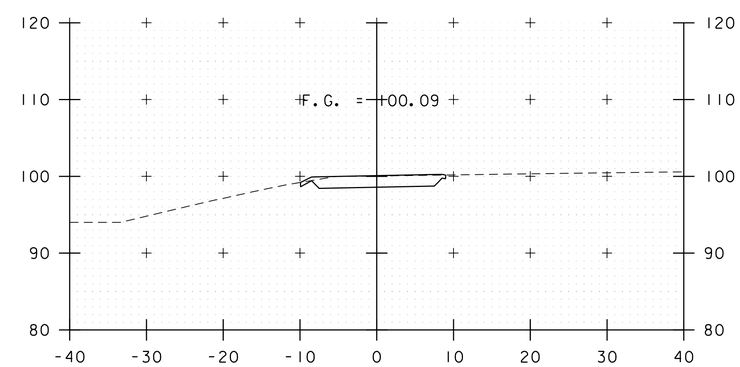

1003+00

PROJECT NAME: BURLINGTON BIKE PATH PHASE 3	
PROJECT NUMBER: 58109.00	
FILE NAME: 58109xs.dgn	PLOT DATE: 12/5/2018
PROJECT LEADER: E.P.DETRICK	DRAWN BY: B.M.ROBERTS
DESIGNED BY: B.M.ROBERTS	CHECKED BY: E.P.DETRICK
PERKINS PIER CROSS SECTIONS (1 OF 1)	SHEET 46 OF 46