

Attachment C:  
Design of Path  
to River's Edge

# SLIVER PARK @ THE INCLINED PLANE

## PROPOSED ON-GRADE TRAIL LANDSCAPE CONSTRUCTION PLAN

SHEET INDEX

	1. LANDSCAPE CONSTRUCTION PLAN, ISSUE #1, 04/26/2022	2. CLIENT REVISIONS, ISSUE #2, 05/11/2022	3. CLIENT REVISIONS, ISSUE #3, 07/10/2023
L1.0 - COVER SHEET	●	●	●
L2.0 - EXISTING CONDITIONS	●	●	●
L3.1 - LAYOUT PLAN, PROPOSED TRAIL	●	●	●
L3.2 - GRADING PLAN, PROPOSED ON-GRADE TRAIL	●	●	●
L4.1 - ELEVATED TRAIL OPTION 'A'	●	●	●
L4.2 - ELEVATED TRAIL OPTION 'B'	●	●	●
L4.3 - ELEVATED TRAIL OPTION 'C'	●	●	●
L4.4 - ELEVATED AND ON-GRADE TRAIL - PREFERRED OPTION	●	●	●
L5.1 - RETAINING WALL DETAILS	●	●	●
L5.2 - HARDSCAPE DETAILS	●	●	●
L5.3 - HARDSCAPE DETAILS	●	●	●
L6.0 - CONCEPTUAL SECTION - ELEVATIONS	●	●	●
L5.4 - NOTES AND SPECIFICATIONS	●	●	●

LEGEND

	EXISTING 2' CONTOUR
	PROPOSED CONTOUR
	EXISTING FEMA FLOODWAY
	EXISTING STREAM
	EXISTING FEMA 100-YEAR FLOODPLAIN
	EXISTING SANITARY SEWER
	EXISTING TRAIL
	PROPERTY BOUNDARY
	PROPOSED EDGE OF PAVEMENT/TRAIL
	PROPOSED TRAIL CENTERLINE
	PROPOSED RETAINING WALL
	EXISTING WETLAND

OWNER INFORMATION:

OWNER/DEVELOPER:  
CONEMAUGH VALLEY CONSERVANCY  
PO BOX 218,  
JOHNSTOWN, PA 15901  
CONTACT: MR. BRAD CLEMENSON  
bradclmenson1@gmail.com

CIVIL AND GEOTECHNICAL ENGINEER:  
TETRATECH  
661 ANDERSEN DR., FOSTER PLAZA 7,  
PITTSBURGH, PA 15220  
CONTACT: MR. JOE SENITA  
joe.senita@tetratech.com

SURVEYOR  
JERRY THOMAS LAND SURVEYING  
1817 OCALA AVE.  
JOHNSTOWN, PA 15902  
CONTACT: MR. RICHARD OLDHAM  
rwlodham308@comcast.net

LANDSCAPE ARCHITECT:  
REAL DESIGN, INC.  
3508 WILLIAM PENN AVE.,  
JOHNSTOWN, PA 15909  
PH: 814-421-5681  
CONTACT: MR. RYAN KIETA  
rkieta@realda.com

GENERAL NOTES

- CONTRACTOR IS TO CHECK AND VERIFY ALL LEVELS, DATUMS AND DIMENSIONS ON SITE AND SHALL REPORT ANY DISCREPANCIES OR OMISSIONS TO THIS OFFICE PRIOR TO START OF WORK & DURING THE CONSTRUCTION PHASE.
- THIS DRAWING IS TO BE READ AND UNDERSTOOD IN CONJUNCTION WITH STRUCTURAL, MECHANICAL, ELECTRICAL AND / OR ANY OTHER CONSULTANT/S DOCUMENTATION AS MAY BE APPLICABLE TO THE PROJECT PRIOR TO START OF WORK & IT'S DURATION.
- THE DRAWINGS CONTAINED HEREIN ARE THE PROPERTY OF REAL DESIGN, INC. THEY MAY NOT BE COPIED OR REPRODUCED, IN WHOLE OR IN PART, ELECTRONICALLY OR BY ANY OTHER MEANS, WITHOUT THE WRITTEN PERMISSION OF REAL DESIGN, INC. ALL DRAWING SETS MUST BE RETURNED UPON REQUEST.
- AUTOCAD FILE IS AVAILABLE TO CONTRACTORS AND BIDDERS UPON REQUEST FOR PURPOSES OF ESTIMATING, MATERIAL TAKEOFFS, AND CONSTRUCTION GUIDANCE NEEDS.
- ALL STRUCTURE COMPONENTS, FINE GRADING, FOUNDATIONS, AND HARDSCAPE TO BE APPROVED BY STRUCTURAL ENGINEER PRIOR TO CONSTRUCTION.



CONTEXT MAP  
SCALE: 1"=500'



A OVERALL SITE PLAN  
L1.0 SCALE: 1" = 30'-0"  
0' 30' 60' 120'

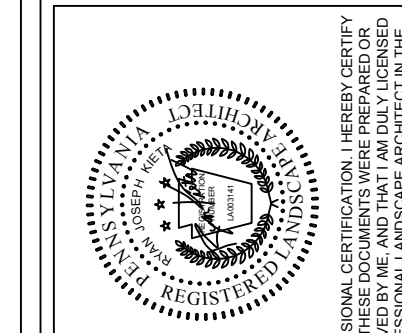
L1.0: COVER SHEET

Sliver Park @ The Inclined Plane  
Site Development Plan

OWNER: CITY OF JOHNSTOWN  
CIVIL ENGINEER: TETRATECH  
SURVEYOR: JERRY THOMAS SURVEYING  
ARCHITECT: N/A

REAL DESIGN, INC.  
3508 WILLIAM PENN AVE.  
JOHNSTOWN, PA 15909  
info@realda.com

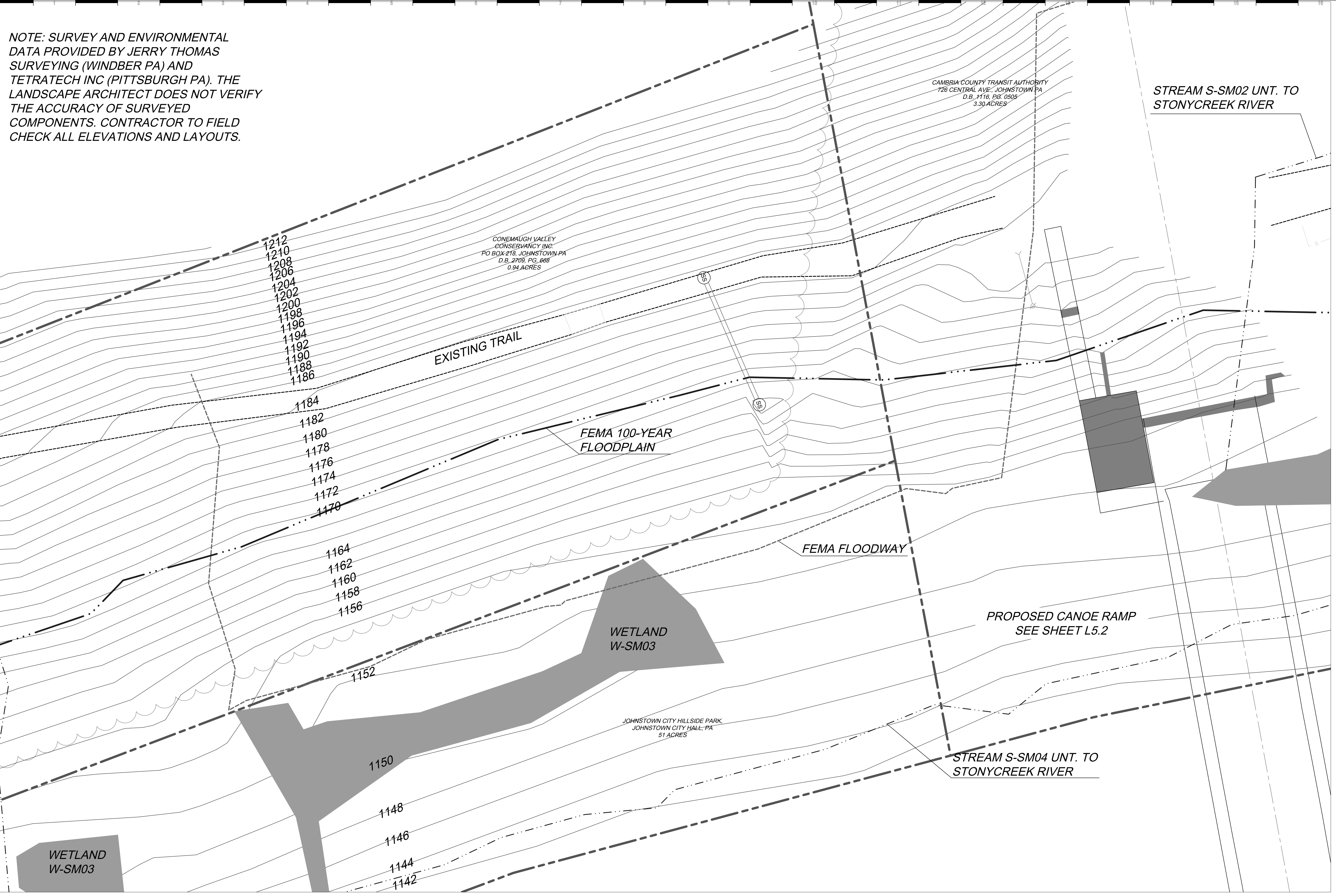
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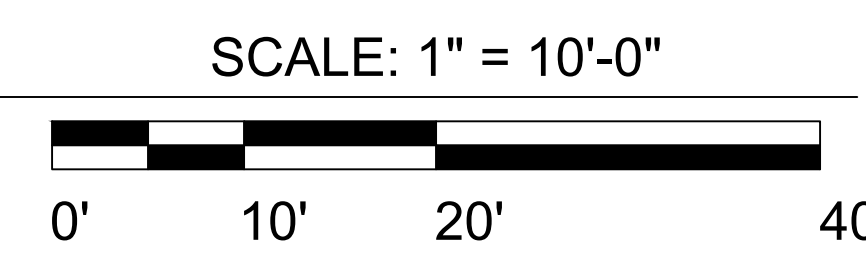
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001	LANDSCAPE CONSTR. PLAN	4/26/22		L1.0
002	CLIENT REVISIONS	5/11/22		
003	CLIENT REVISIONS	11/20/23		

NOTE: SURVEY AND ENVIRONMENTAL DATA PROVIDED BY JERRY THOMAS SURVEYING (WINDBER PA) AND TETRATECH INC (PITTSBURGH PA). THE LANDSCAPE ARCHITECT DOES NOT VERIFY THE ACCURACY OF SURVEYED COMPONENTS. CONTRACTOR TO FIELD CHECK ALL ELEVATIONS AND LAYOUTS.

PLOTTED: Jan 26, 2023, 5:25pm \\Volumes\Real Design Inc. - Steven\04 - RealDesign\01 - Steven\04 - RealDesign\01 - Real Design - Master Server\01 - Projects\01 - Projects\01 - Silver Park\01 - Silver Park\01 - Spring 2022\05 - CAD\Silver - CIP Package - 2023.01 - 10.dwg Tab 02 L2.0 EXISTING CONDITIONS



A EXISTING CONDITIONS  
L2.0



PROJECT NUMBER	18507
DATE	4/20/22
REVISION DESCRIPTION	LANDSCAPE CONSTR. PLAN
NO.	001
CLIENT REVISIONS	01/02
DATE	Jan 10, 2023
SCALE	1" = 10'-0"
SHEET NUMBER	L2.0

CONTRACTOR TO CHECK AND VERIFY ALL LEVELS. THE DRAWINGS TO BE READ AND UNDERSTOOD IN CONJUNCTION WITH THE SURVEY AND ENVIRONMENTAL DATA PROVIDED BY JERRY THOMAS SURVEYING (WINDBER PA) AND TETRATECH INC (PITTSBURGH PA). THE LANDSCAPE ARCHITECT DOES NOT VERIFY THE ACCURACY OF SURVEYED COMPONENTS. CONTRACTOR TO FIELD CHECK ALL ELEVATIONS AND LAYOUTS.

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368 MILLAM PERRY AVE.  
JOHNSTOWN, PA 15082  
PH: 814-451-1881  
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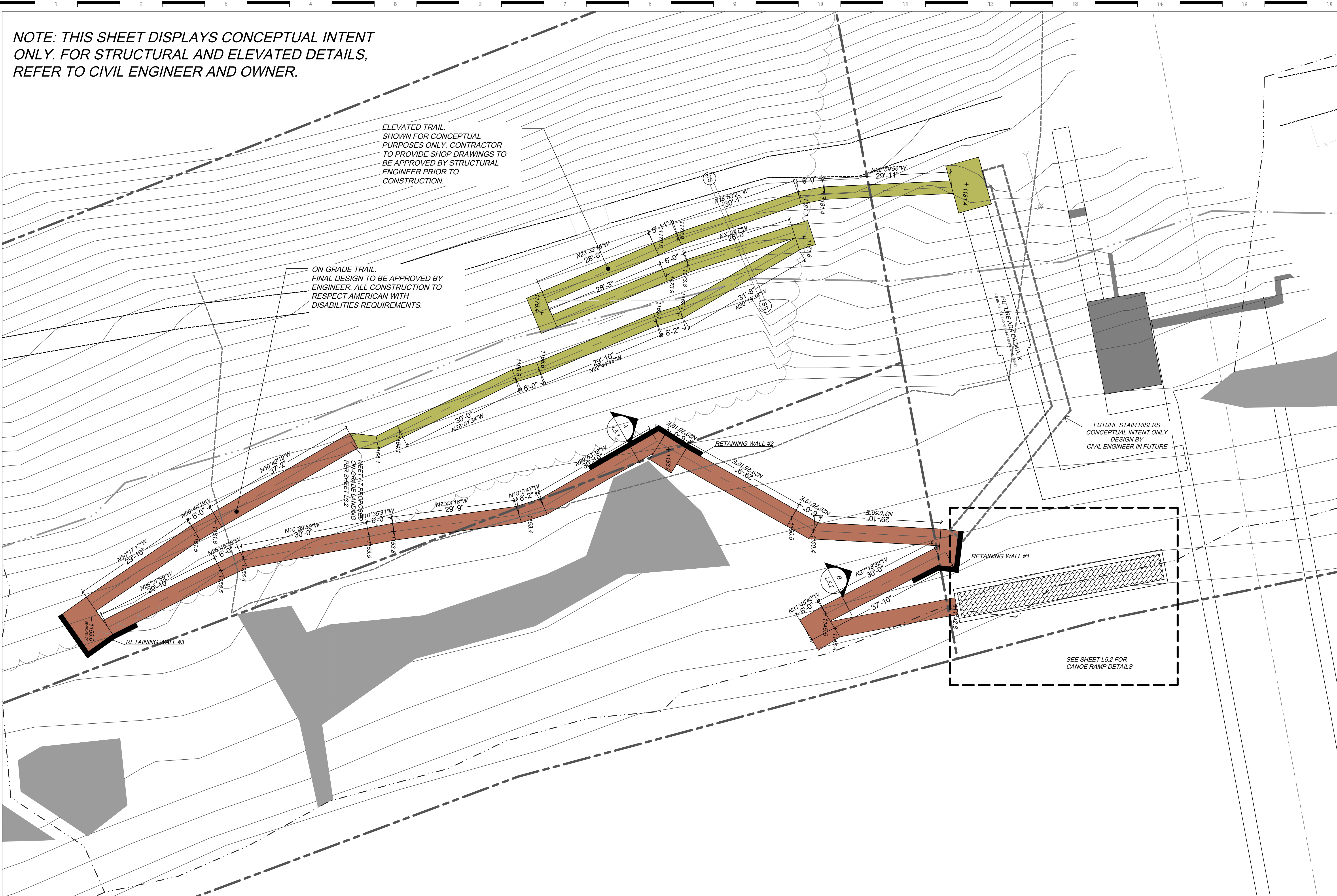
OWNER: CITY OF JOHNSTOWN  
CIVIL ENGINEER: TETRATECH  
SURVEYOR: JERRY THOMAS SURVEYING  
ARCHITECT: N/A

L2.0: EXISTING CONDITIONS  
Silver Park @ The Inclined Plane  
Site Development Plan

**NOTE: THIS SHEET DISPLAYS CONCEPTUAL INTENT ONLY. FOR STRUCTURAL AND ELEVATED DETAILS, REFER TO CIVIL ENGINEER AND OWNER.**

ELEVATED TRAIL. SHOWN FOR CONCEPTUAL PURPOSES ONLY. CONTRACTOR TO PROVIDE SHOP DRAWINGS TO BE APPROVED BY STRUCTURAL ENGINEER PRIOR TO CONSTRUCTION.

ON-GRADE TRAIL. FINAL DESIGN TO BE APPROVED BY ENGINEER. ALL CONSTRUCTION TO RESPECT AMERICAN WITH DISABILITIES REQUIREMENTS.

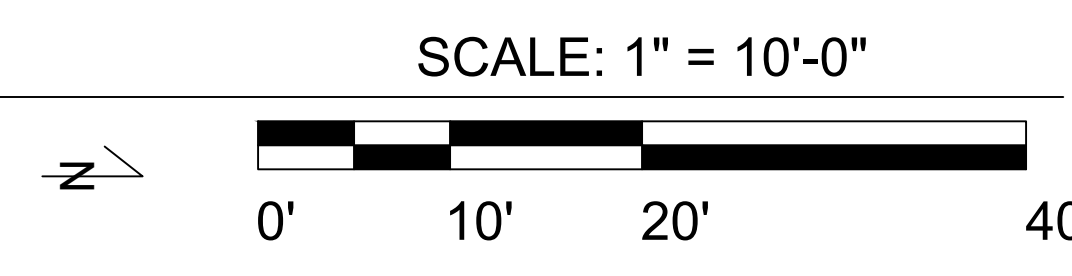


FUTURE STAIR RISERS CONCEPTUAL INTENT ONLY DESIGN BY CIVIL ENGINEER IN FUTURE

SEE SHEET L3.2 FOR CANOE RAMP DETAILS

**A** LAYOUT PLAN, PROPOSED ON-GRADE TRAIL AND PROPOSED ELEVATED TRAIL

L3.1



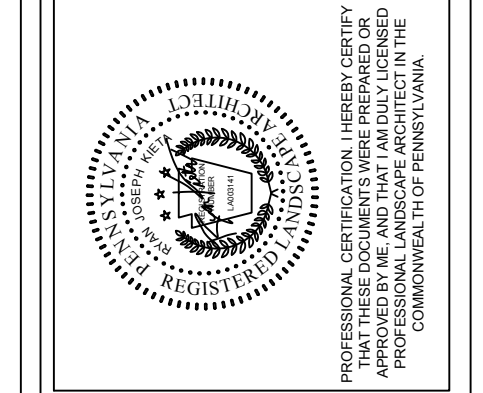
**L3.1: LAYOUT PLAN, PROPOSED TRAIL**

Silver Park @ The Inclined Plane  
Site Development Plan

**OWNER: CITY OF JOHNSTOWN**  
**CIVIL ENGINEER: TETRATECH**  
**SURVEYOR: JERRY THOMAS SURVEYING**  
**ARCHITECT: N/A**

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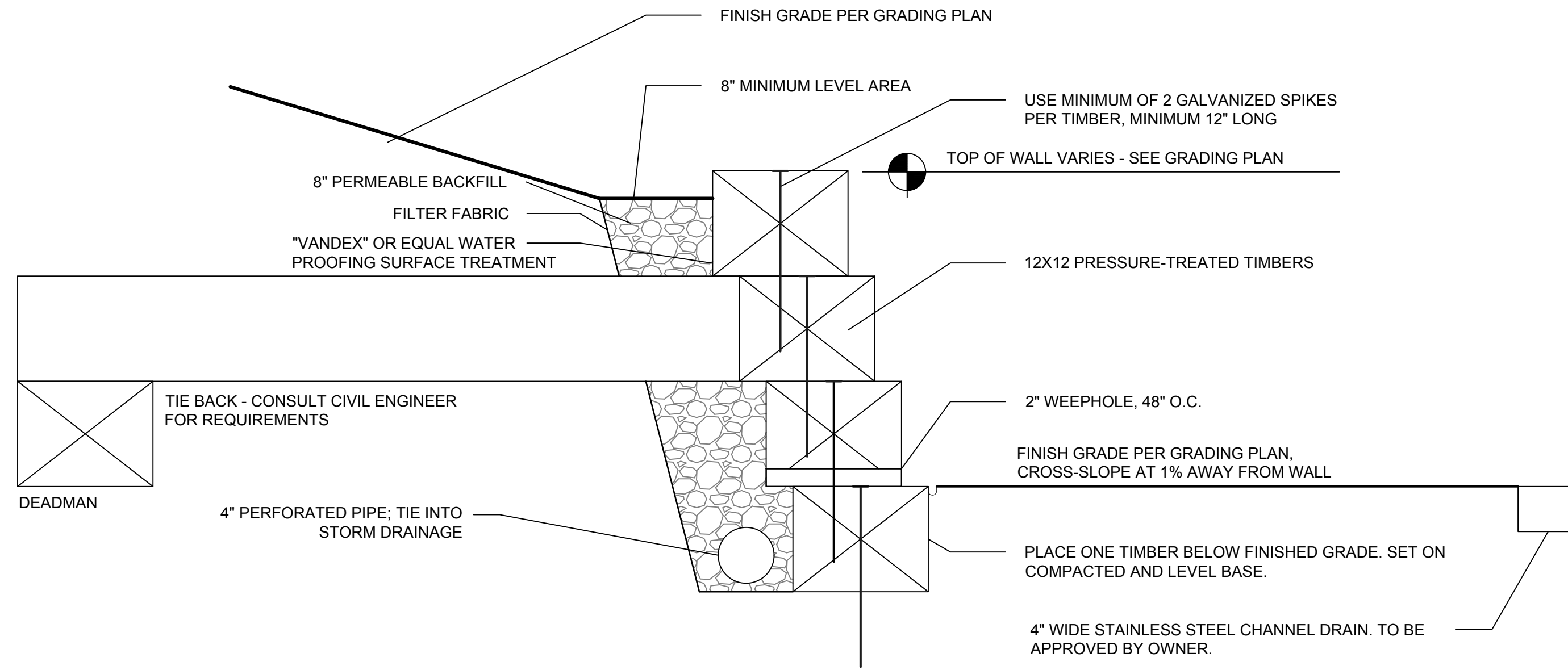
NO.	REVISION DESCRIPTION	DATE	PROJECT NUMBER	SHEET NUMBER
001	LANDSCAPE CONSTR. PLAN	4/20/22		
002	CLIENT REVISIONS	5/11/22		
003	CLIENT REVISIONS	11/02/23		
004	CLIENT REVISIONS			

PROJECT NUMBER: 180534  
 DRAWN BY: RK  
 CHECKED BY: JTS  
 DATE: Jan 10, 2023  
 SCALE: 1" = 10'-0"  
 SHEET NUMBER: L3.1

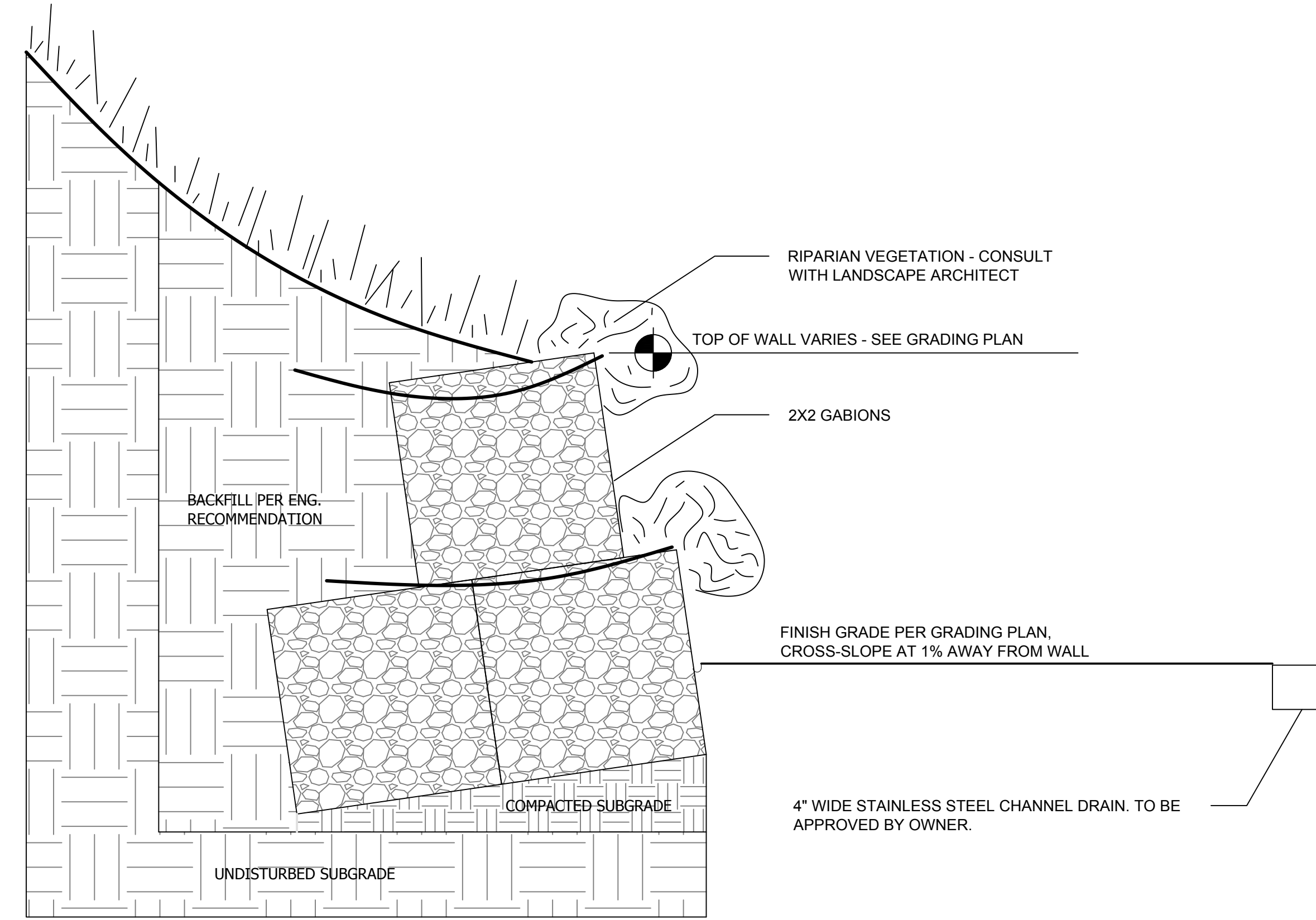
PLOTTED: Jan 26, 2023, 5:31pm | Volume: Real Design, Inc. - SilverPark - Master Survey/01 - RealDesign/01 - RealDesign/01 - Project: 180534 - SilverPark@TheInclinedPlane/23 - Construction - Trail Design - Spring 2022/003\_CAD/SilverPark/01 - 10.dwg

# RETAINING WALL OPTIONS

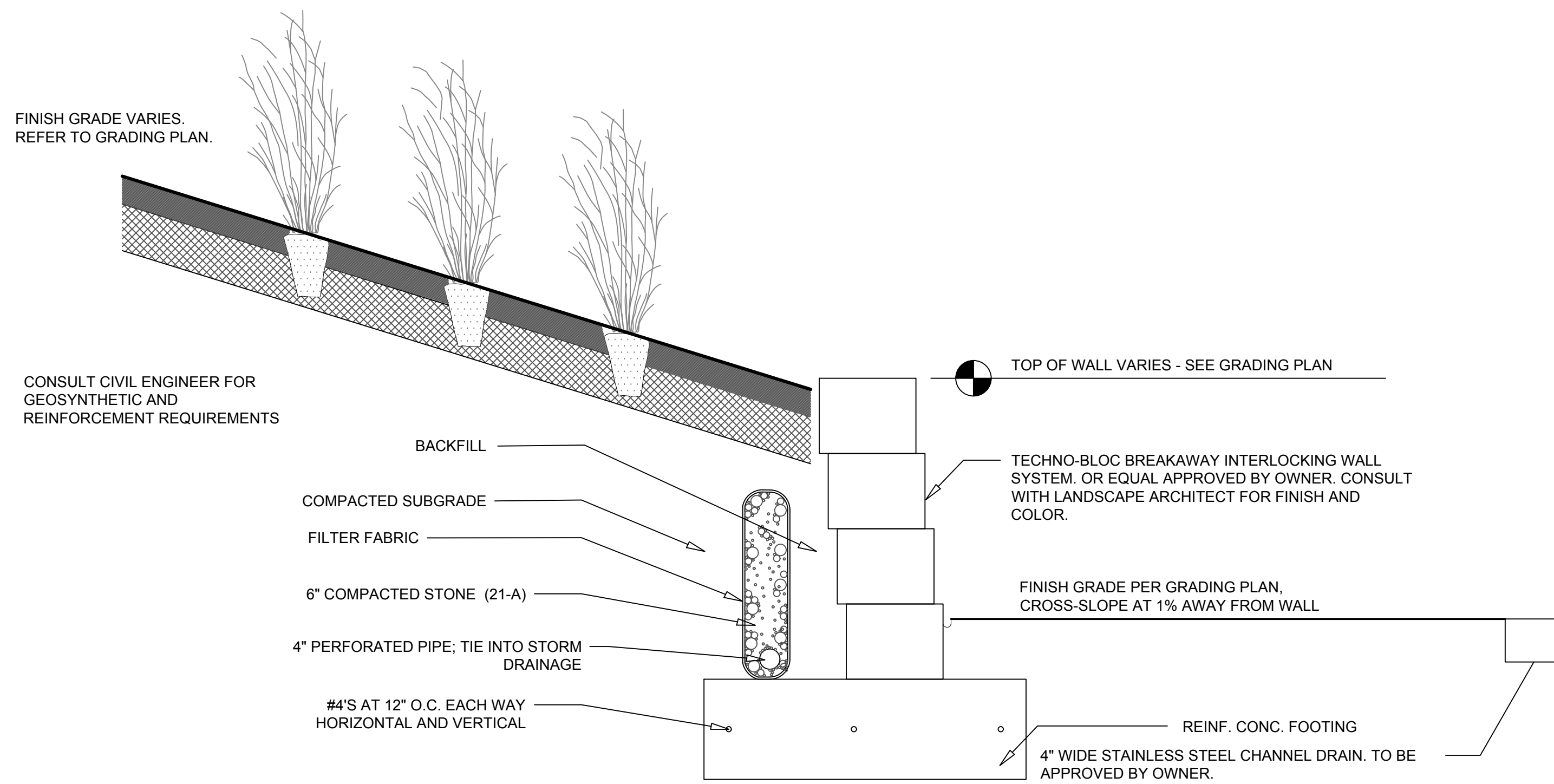
NOTES:  
 THIS SHEET FOR CONSIDERATION BY CVC AND PARTNERS ONLY.  
 FINAL DETAILS TO BE DETERMINED IN FUTURE. CIVIL ENGINEER AND LANDSCAPE ARCHITECT MUST BE CONSULTED AND APPROVE ALL CONSTRUCTION DETAILS FOR ALL RETAINING WALLS PRIOR TO CONSTRUCTION.



A  
L5.1  
TIMBER RETAINING WALL DETAIL



B  
L5.1  
LIVING CRIB WALL DETAIL



C  
L5.1  
BLOCK RETAINING WALL DETAIL

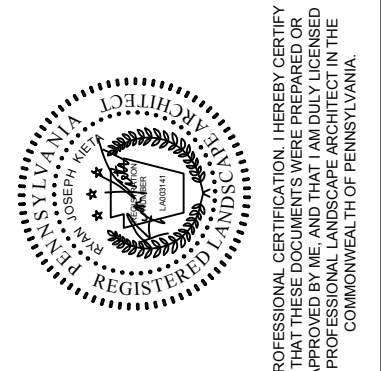
DETAILS NOT TO SCALE.  
 FOR REFERENCE ONLY.

L5.1: RETAINING WALL DETAILS  
 Silver Park @ The Inclined Plane  
 Site Development Plan

OWNER: CITY OF JOHNSTOWN  
 CIVIL ENGINEER: TETRATECH  
 SURVEYOR: JERRY THOMAS SURVEYING  
 ARCHITECT: N/A

REAL DESIGN, INC.  
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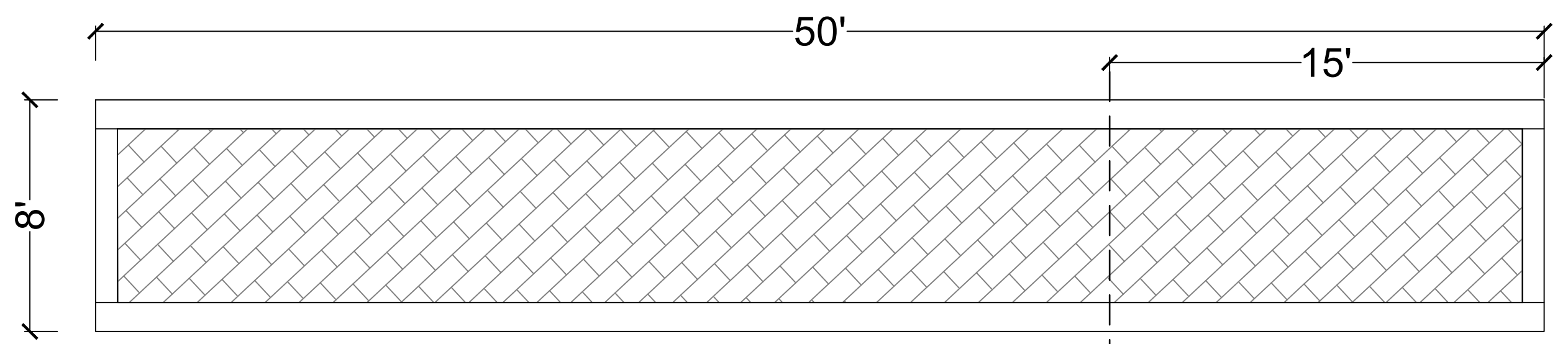
CONTRACTOR TO CHECK AND VERIFY ALL LEVELS. ANY DISCREPANCIES OR UNUSUAL CONDITIONS TO BE REPORTED TO THE OFFICE OF THE SURVEYOR IMMEDIATELY. THIS DRAWING IS THE PROPERTY OF REAL DESIGN, INC. AND IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN. ANY REUSE OR MODIFICATION OF THIS DRAWING WITHOUT THE WRITTEN PERMISSION OF REAL DESIGN, INC. IS STRICTLY PROHIBITED. ALL DRAWINGS MUST BE REPRODUCED AS SHOWN.



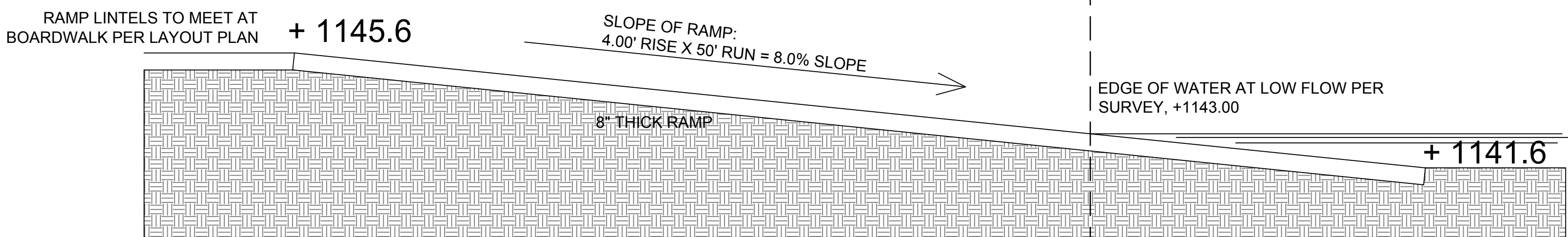
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001	LANDSCAPE CONSTR. PLAN	4/20/22	180534	L5.1
002	CLIENT REVISIONS	8/11/22		
003	CLIENT REVISIONS	11/02/23		

PLOTTED: Jan 26, 2023 1:53:23pm  
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 Tab 05 L5.2 HARDSCAPE DETAILS

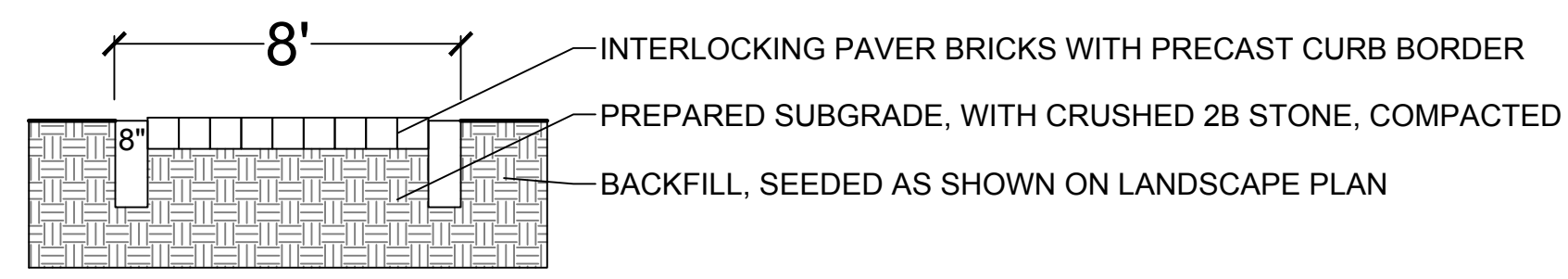
**OVERALL RAMP SIZE 8' X 50'**



**PLAN**

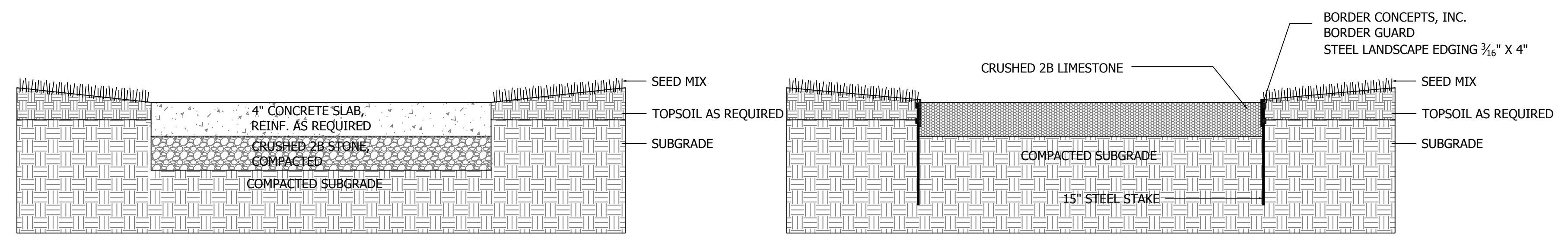


**LONGITUDINAL SECTION**



**CROSS SECTION**

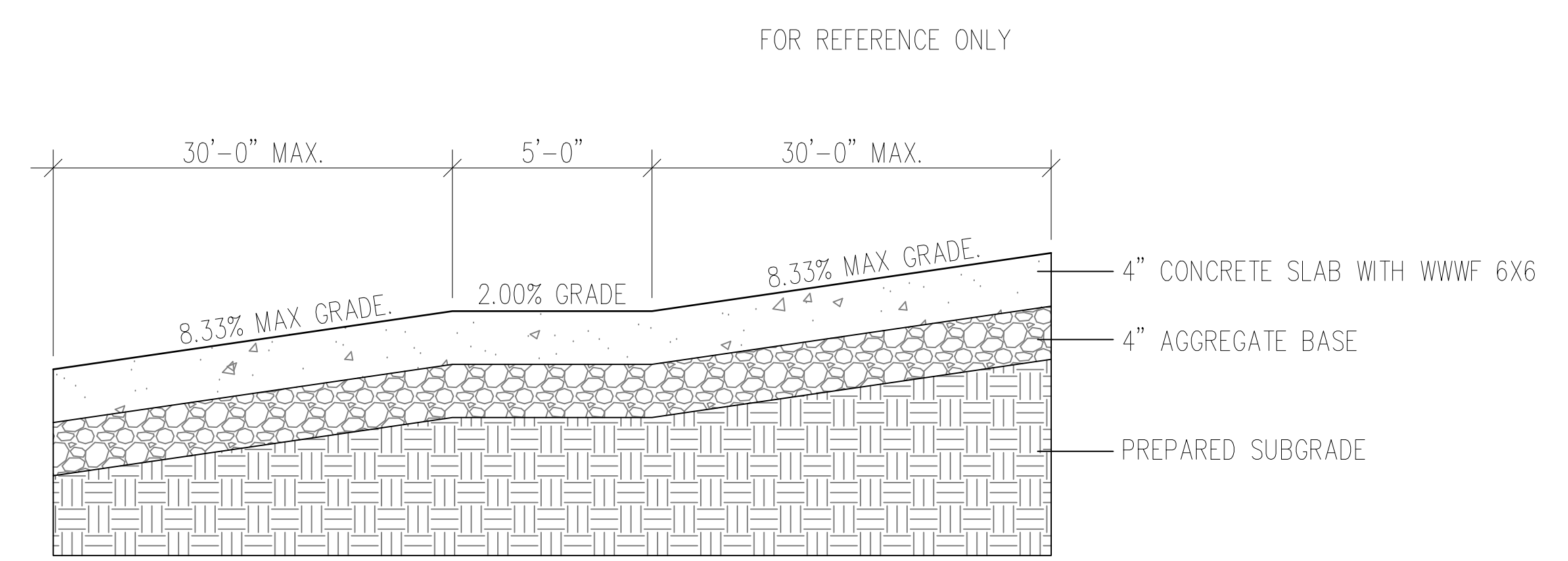
**A CANOE RAMP - DETAILS**  
L5.2



**CAST-IN-PLACE CONCRETE OPTION**

**CRUSHED LIMESTONE OPTION**

NOTE: OWNER TO DETERMINE PREFERRED TRAIL SURFACE  
 ALL DETAILS TO BE APPROVED BY ENGINEER, PRIOR TO CONSTRUCTION.



**C ADA GRADES AND LANDINGS - TOLERANCE**  
L5.2

**B HARDSCAPE TRAIL - DETAILS**  
L5.2

L5.2: HARDSCAPE DETAILS

Silver Park @ The Inclined Plane  
 Site Development Plan

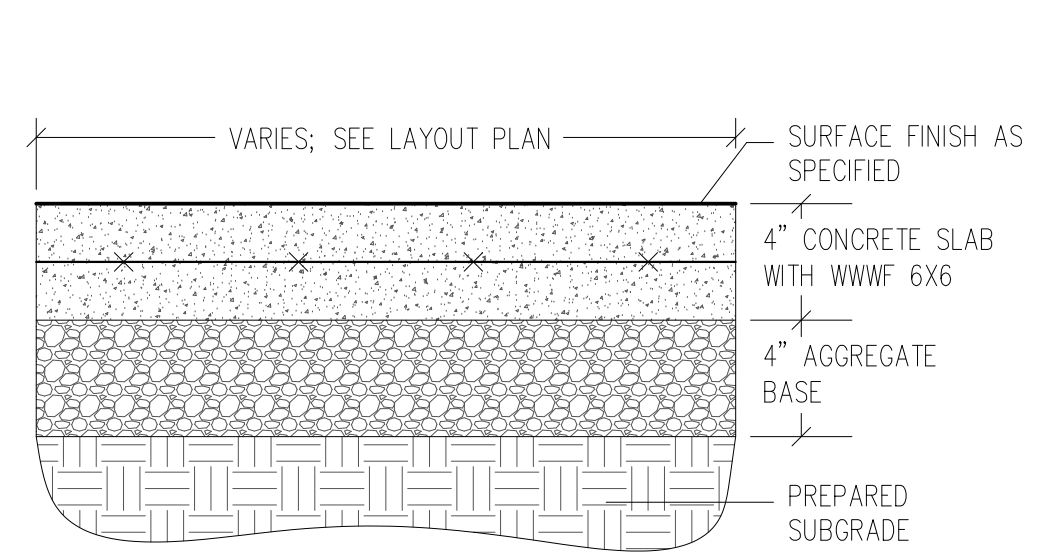
OWNER: CITY OF JOHNSTOWN  
 CIVIL ENGINEER: TETRATECH  
 SURVEYOR: JERRY THOMAS SURVEYING  
 ARCHITECT: N/A

**REAL DESIGN, INC.**  
 306 MILLAM PERRY AVE.  
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 info@realdesign.com

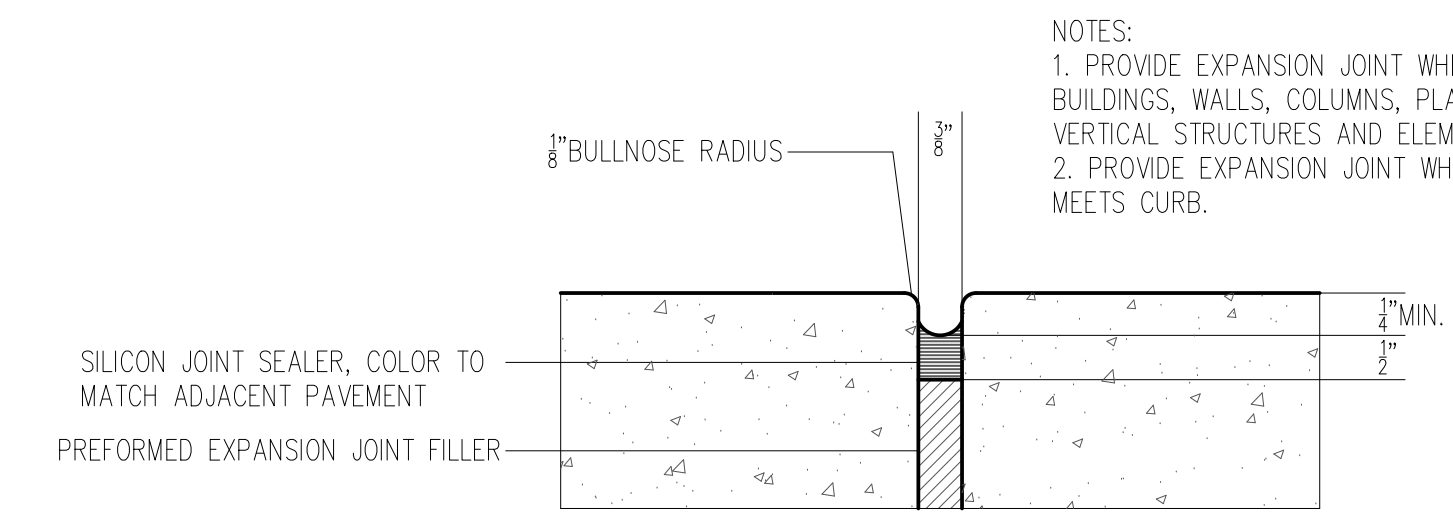
CONTRACTOR IS TO CHECK AND VERIFY ALL LEVELS, DIMENSIONS, AND LOCATIONS OF ALL UTILITIES AND STRUCTURES PRIOR TO CONSTRUCTION. THE DRAWING IS TO BE USED FOR CONSTRUCTION PURPOSES ONLY. THIS DRAWING IS TO BE USED FOR CONSTRUCTION PURPOSES ONLY. THE DRAWING IS TO BE USED FOR CONSTRUCTION PURPOSES ONLY. THE DRAWING IS TO BE USED FOR CONSTRUCTION PURPOSES ONLY.

NO.	REVISION DESCRIPTION	DATE	PROJECT NUMBER	SHEET NUMBER
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002	CLIENT REVISIONS	5/11/22		
003	CLIENT REVISIONS	1/10/23		

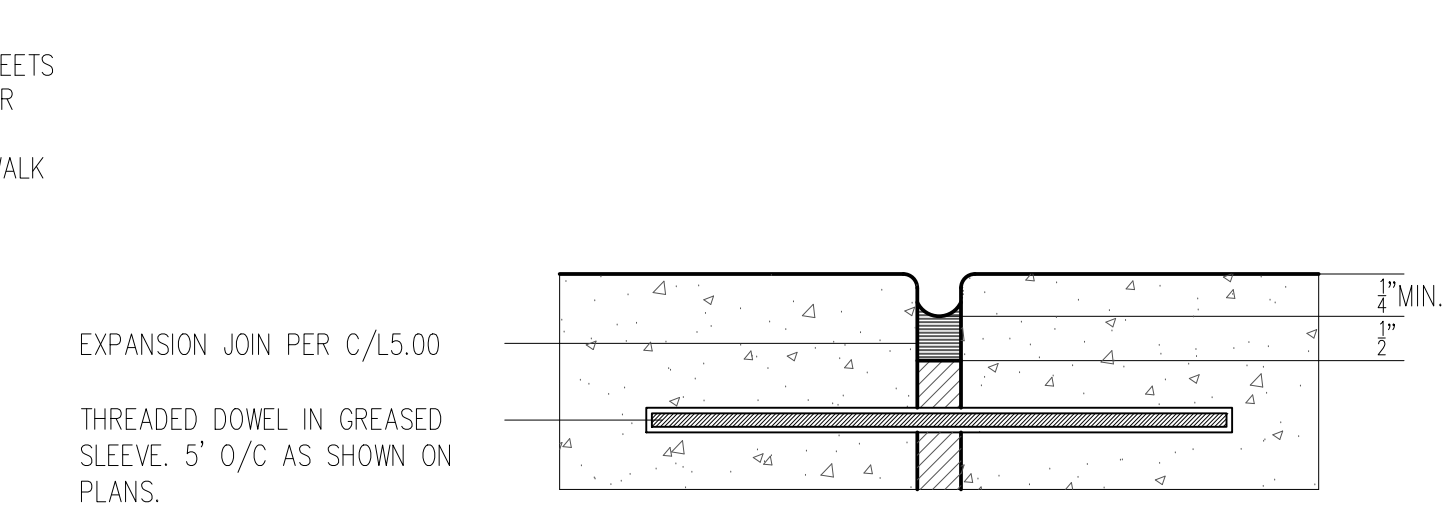
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 Tab 07 - L5.3 - Hardscape Details



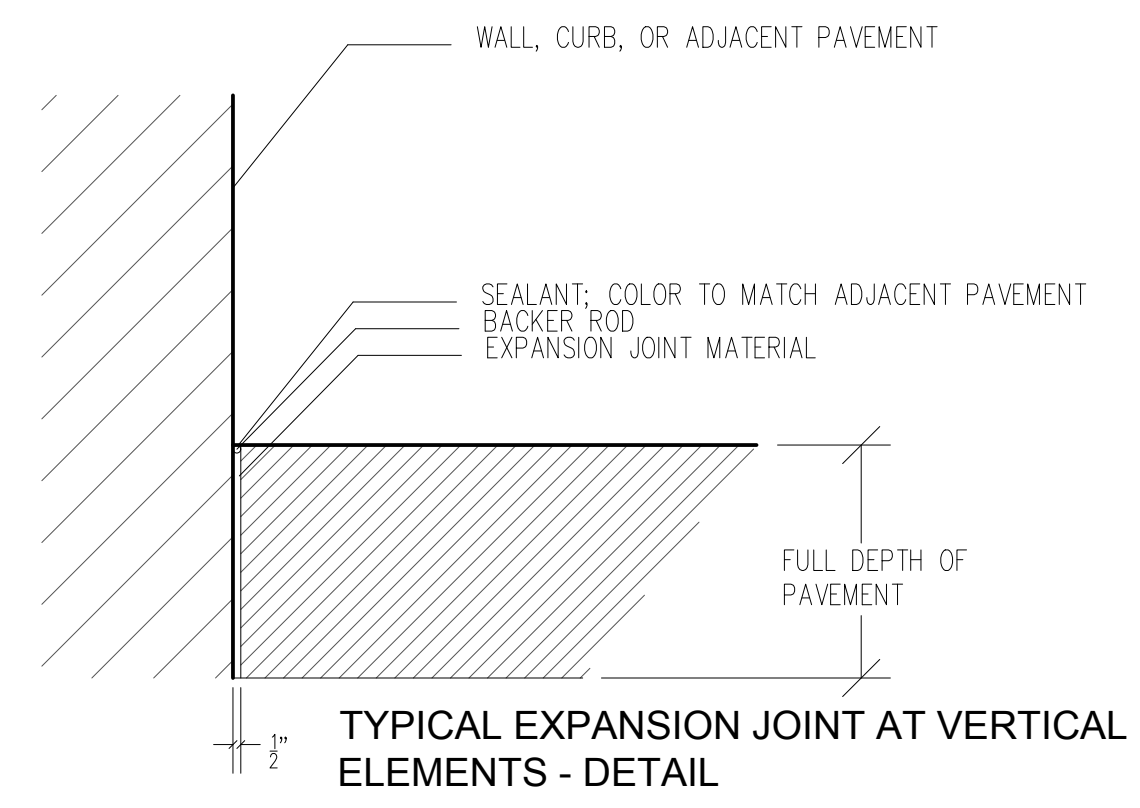
TYPICAL CONCRETE PAVING THROUGHOUT PROJECT - DETAIL



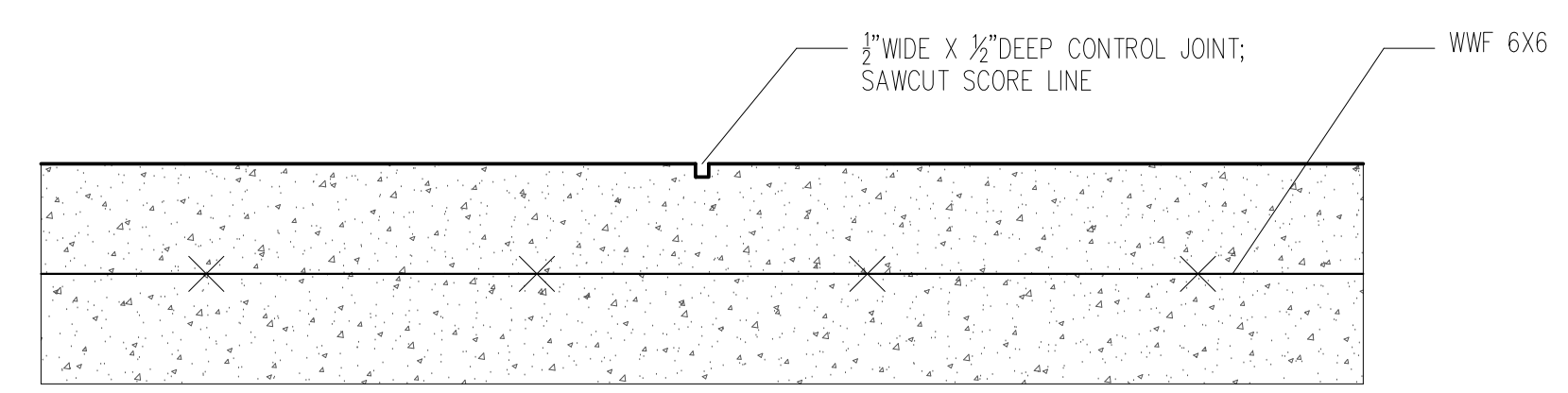
TYPICAL EXPANSION JOINT IN CONCRETE PAVING - DETAIL



TYPICAL CONTROL DOWEL BETWEEN CONCRETE SLABS - DETAIL



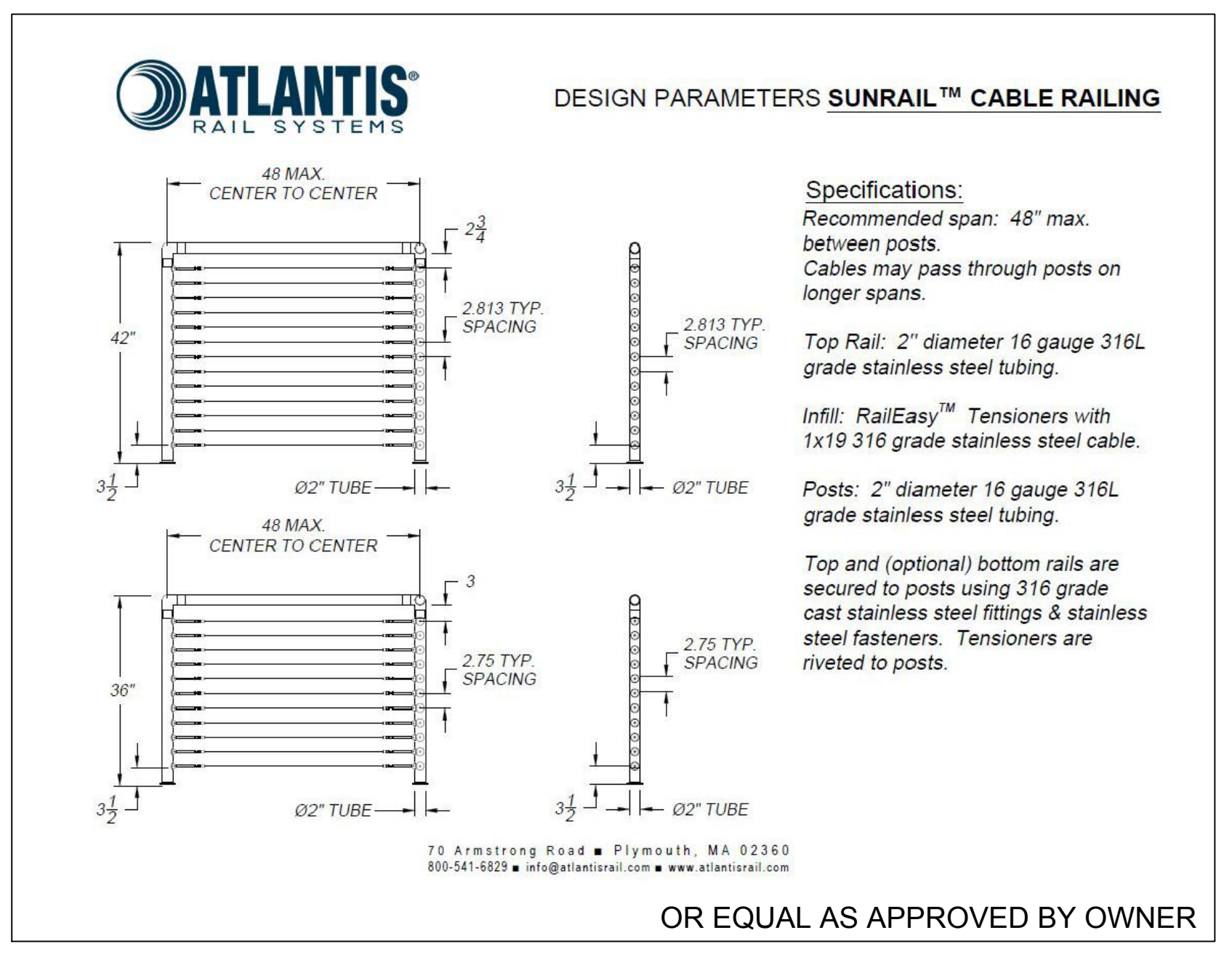
TYPICAL EXPANSION JOINT AT VERTICAL ELEMENTS - DETAIL



TYPICAL CONTROL JOINT IN CONCRETE PAVING - DETAIL

NOTES:  
 1. PROVIDE EXPANSION JOINT WHERE CONCRETE MEETS BUILDINGS, WALLS, COLUMNS, PLANTERS, OR OTHER VERTICAL STRUCTURES AND ELEMENTS.  
 2. PROVIDE EXPANSION JOINT WHERE CONCRETE WALK MEETS CURB.

**A** CONCRETE DETAILS  
 L5.3



NOTE: CABLE RAILING TO BE INCORPORATED ALONG ENTIRE LENGTH OF TRAIL.

**B** CABLE RAILING - DETAIL  
 L5.3

**L5.3: HARDSCAPE DETAILS**  
 Silver Park @ The Inclined Plane  
 Site Development Plan

OWNER: CITY OF JOHNSTOWN  
 CIVIL ENGINEER: TETRATECH  
 SURVEYOR: JERRY THOMAS SURVEYING  
 ARCHITECT: N/A

**REAL DESIGN, INC.**  
 368 MILLAM PERRY AVE.  
 JOHNSTOWN, PA 17038  
 PH: 814-421-1881  
 info@realid.com

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NO.	REVISION DESCRIPTION	DATE	PROJECT NUMBER	SHEET NUMBER
001	LANDSCAPE CONSTR. PLAN	4/20/22	1805CV	L5.3
002	CLIENT REVISIONS	5/11/22		
003	CLIENT REVISIONS	1/10/23		

