

INCLINE VILLAGE GENERAL IMPROVEMENT DISTRICT

2017 INCLINE BIKE PARK

IVGID PROJECT #4378LI1604
PWP WA-2017-236

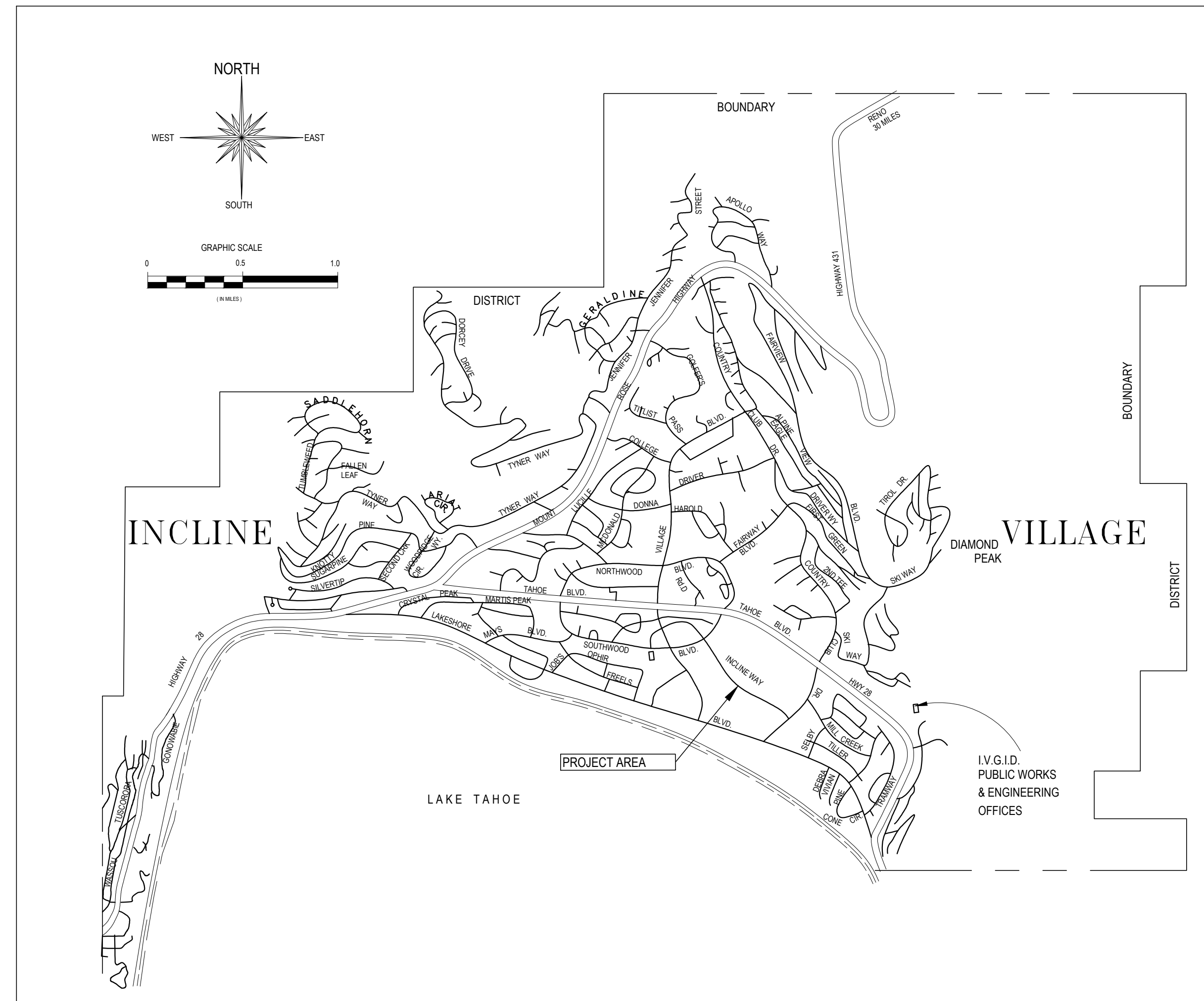
INCLINE VILLAGE GENERAL IMPROVEMENT DISTRICT

BOARD OF TRUSTEES

KENDRA WONG	CHAIRWOMAN
PHILIP HORAN	VICE-CHAIRMAN
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BRAD JOHNSON, P.E.	DIRECTOR OF ASSET MANAGEMENT
MIKE LEFRANCOIS, P.E.	SENIOR ENGINEER
CHARLES MILLER, P.E.	PRINCIPAL ENGINEER

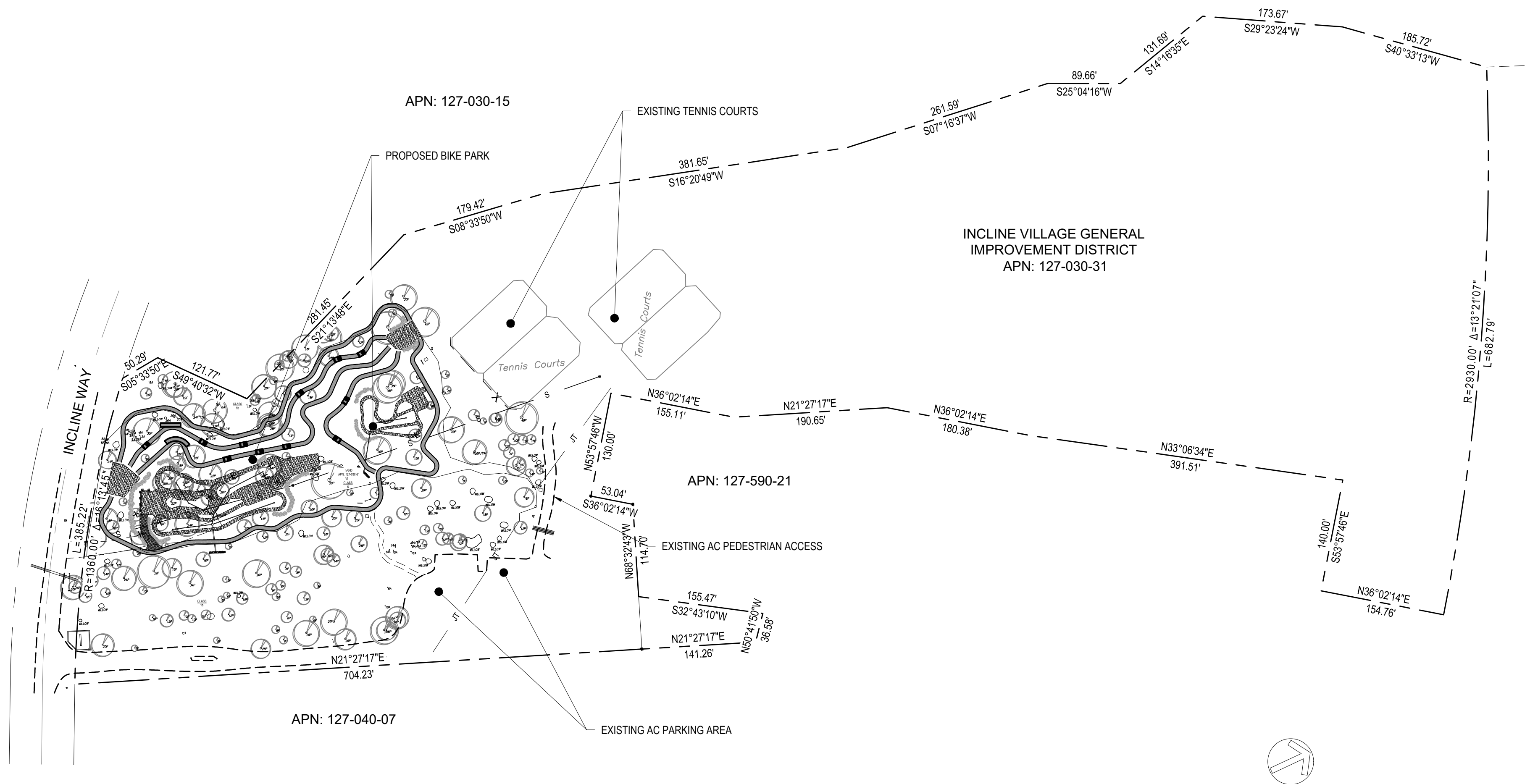


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CONSTRUCTION NOTES

1. THE TYPES, LOCATIONS, SIZES, MATERIALS AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THESE PLANS WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, LOCATIONS, SIZES, MATERIALS AND/OR DEPTHS OF UNDERGROUND UTILITIES. THE OWNER AND/OR ENGINEER ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF UNDERGROUND UTILITIES SHOWN ON THESE PLANS NOR FOR THE EXISTENCE OF OTHER BURIED UTILITIES OR OBJECTS NOT SHOWN ON THESE PLANS.
2. THE CONTRACTOR SHALL EXPOSE AND CHECK ELEVATIONS OF EXISTING UNDERGROUND UTILITIES AT ALL PROPOSED POINTS OF CONNECTION TO VERIFY LOCATION AND DEPTH OF UNDERGROUND FACILITIES PRIOR TO EXCAVATION OF PROPOSED UTILITY.
3. THE CONTRACTOR SHALL REPORT ALL CONFLICTS, ERRORS AND OMISSIONS TO THE ENGINEER IMMEDIATELY UPON DISCOVERY. IF DIRECTED BY THE OWNER, ENGINEER OR AGENCY HAVING JURISDICTION THE CONTRACTOR SHALL STOP WORK UNTIL MITIGATION MEASURES ARE ENACTED.
4. ALL UNDERGROUND UTILITY LOCATION ARE APPROXIMATE. CONTRACTOR SHALL CALL UNDERGROUND SERVICE ALERT AT 800-227-2600 FORTY-EIGHT HOURS PRIOR TO COMMENCING EARTHWORK OR EXCAVATION ACTIVITIES.
5. AT THE CONCLUSION OF WORK, CONTRACTOR SHALL REPAIR OR REPLACE IN KIND ALL DAMAGED PROPERTY, PUBLIC AND/OR PRIVATE FOR WHICH HE IS RESPONSIBLE. THE JOB SITE AND ADJACENT AREAS SHALL BE CLEANED UP AND SUBJECT TO INSPECTION AND APPROVAL OF THE OWNER, ENGINEER AND/OR AGENCY HAVING JURISDICTION.
6. CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.
7. PR DESIGN & ENGINEERING, INC. HAS EXERCISED A REASONABLE AND ACCEPTABLE STANDARD OF CARE IN THE PREPARATION OF THESE PLANS, HOWEVER, THE DESIGN AND CONSTRUCTION PROCESS MAY INCLUDE ACTIVITIES OCCURRING AFTER PLAN SIGNATURE. THESE ACTIVITIES MAY INCLUDE CALCULATIONS, PLAN CHECK AND VERIFICATION DURING CONSTRUCTION. SHOULD PERSONS OTHER THAN PR DESIGN & ENGINEERING, INC. PERFORM CONSTRUCTION STAKING, PR DESIGN & ENGINEERING, INC. SHALL BE INDEMNIFIED FROM ANY DAMAGES RESULTING FROM FAILURE TO PERFORM THESE TASKS OR ANY EXPENSE OR DAMAGE RESULTING FROM OMISSION OR ERROR CONTAINED IN THE PLANS WHICH WOULD REASONABLY HAVE BEEN DISCOVERED AND CORRECTED BY PR DESIGN & ENGINEERING, INC.
8. PR DESIGN & ENGINEERING, INC. ASSUMES NO RESPONSIBILITY BEYOND THE ADEQUACY OF THE DESIGN CONTAINED HEREIN.
9. SHOULD IT APPEAR THAT THE WORK TO BE COMPLETED, OR ANY MATTER RELATIVE THERETO, IS NOT SUFFICIENTLY DETAILED OR EXPLAINED ON THESE PLANS, THE CONTRACTOR SHALL CONTACT PR DESIGN & ENGINEERING, INC., FOR SUCH FURTHER EXPLANATIONS AS MAY BE NECESSARY. PHONE (530) 546-4500.
10. PR DESIGN & ENGINEERING, INC. SHALL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS SHALL BE PREPARED IN WRITING AND APPROVED BY THE OWNER AND PR DESIGN & ENGINEERING, INC.
11. THE CONTRACTOR SHALL CONTACT AND COORDINATE WITH ALL RESPECTIVE UTILITY COMPANIES FOR THE LOCATION AND PLACEMENT OF PROPOSED UTILITIES PRIOR TO CONSTRUCTION.
12. IN ALL AREAS OF WORK CONTRACTOR IS REQUIRED TO RAISE EXISTING VAULTS, BOXES, MANHOLES, ETC. TO 2" BELOW THE FINISH GRADE ELEVATIONS SHOWN ON THE PLANS. IN SLOPED AREAS THE RAISED FACILITIES MUST MATCH SLOPE.
13. ALL EXCAVATED MATERIAL NOT RE-USED ON SITE AND ALL ASPHALT, BASE ROCK AND PIPE DEBRIS REMOVED DURING CONSTRUCTION SHALL BE DISPOSED OF OFF-SITE AT AN APPROVED LOCATION AT NO ADDITIONAL COST.
14. THE COST OF PROTECTION AND/OR REPAIR OF THE CONTRACTOR'S WORK AS AFFECTED BY STORM WATERS DURING INCLEMENT WEATHER SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO ADJACENT PROPERTIES OR IMPROVEMENTS AS A RESULT OF IMPROPER PROTECTION OF SUCH AREAS FROM STORM WATER DISCHARGED FROM THE WORK AREA.
15. THE COST OF CORRECTIVE WORK REQUIRED FOR COMPLETION AND/OR ACCEPTANCE OF THE WORK NECESSITATED BECAUSE OF UNSATISFACTORY WORKMANSHIP OR MATERIALS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
16. THE CONTRACTOR SHALL KEEP DETAILED RECORDS AND AS-BUILTS SHOWING ALL MODIFICATIONS MADE TO THESE PLANS. THESE RECORDS AND AS-BUILTS SHALL BE PROVIDED TO THE ENGINEER UPON PROJECT COMPLETION, OR AS REQUESTED FOR USE IN PREPARING RECORD DRAWINGS.
17. ALL GRADING AND PAVING WORK SHALL CONFORM TO THE RECOMMENDATIONS CONTAINED IN WASHOE COUNTY'S GRADING STANDARDS AND THE PROJECT PLANS AND SPECIFICATIONS.
18. THE CONTRACTOR IS RESPONSIBLE FOR MATCHING EXISTING STREETS, SURROUNDING LANDSCAPE AND OTHER IMPROVEMENTS WITH SMOOTH TRANSITIONS AND AVOIDING ANY ABRUPT OR APPARENT CHANGES IN GRADES OR CROSS SLOPES, LOW SPOTS OR HAZARDOUS CONDITIONS.
19. CONTRACTOR SHALL COMPLY WITH THE RULES AND REGULATIONS OF THE NV OSHA STATE CONSTRUCTION SAFETY ORDERS.



PROJECT OVERVIEW
1"=100'

TRPA NOTES

1. ALL TREES NOT DESIGNATED FOR REMOVAL ON THE PLANS ARE TO BE PRESERVED.
2. ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE REVEGETATED IN ACCORDANCE WITH THE TRPA HANDBOOK OF BEST MANAGEMENT PRACTICES AND LIVING WITH FIRE, LAKE TAHOE BASIN, SECOND EDITION.
3. DUST CONTROL MEASURES SHALL BE IN PLACE DURING CONSTRUCTION. BROADCAST MULCH SHALL NOT BE PERMITTED AS A DUST CONTROL MEASURE WITHIN 35 FEET OF STRUCTURES.

ENVIRONMENTAL HEALTH NOTE

IF AT ANY TIME DURING THE COURSE OF CONSTRUCTING THE PROPOSED PROJECT, EVIDENCE OF SOIL AND/OR GROUNDWATER CONTAMINATION WITH HAZARDOUS MATERIAL IS ENCOUNTERED, THE APPLICANT SHALL IMMEDIATELY STOP CONSTRUCTION ACTIVITIES AND CONTACT WASHOE COUNTY ENVIRONMENTAL HEALTH SERVICES HAZARDOUS MATERIALS SECTION. THE PROJECT SHALL REMAIN STOPPED UNTIL THERE IS A RESOLUTION OF THE CONTAMINATION PROBLEM TO THE SATISFACTION OF ENVIRONMENTAL HEALTH SERVICES.

UTILITY NOTIFICATION

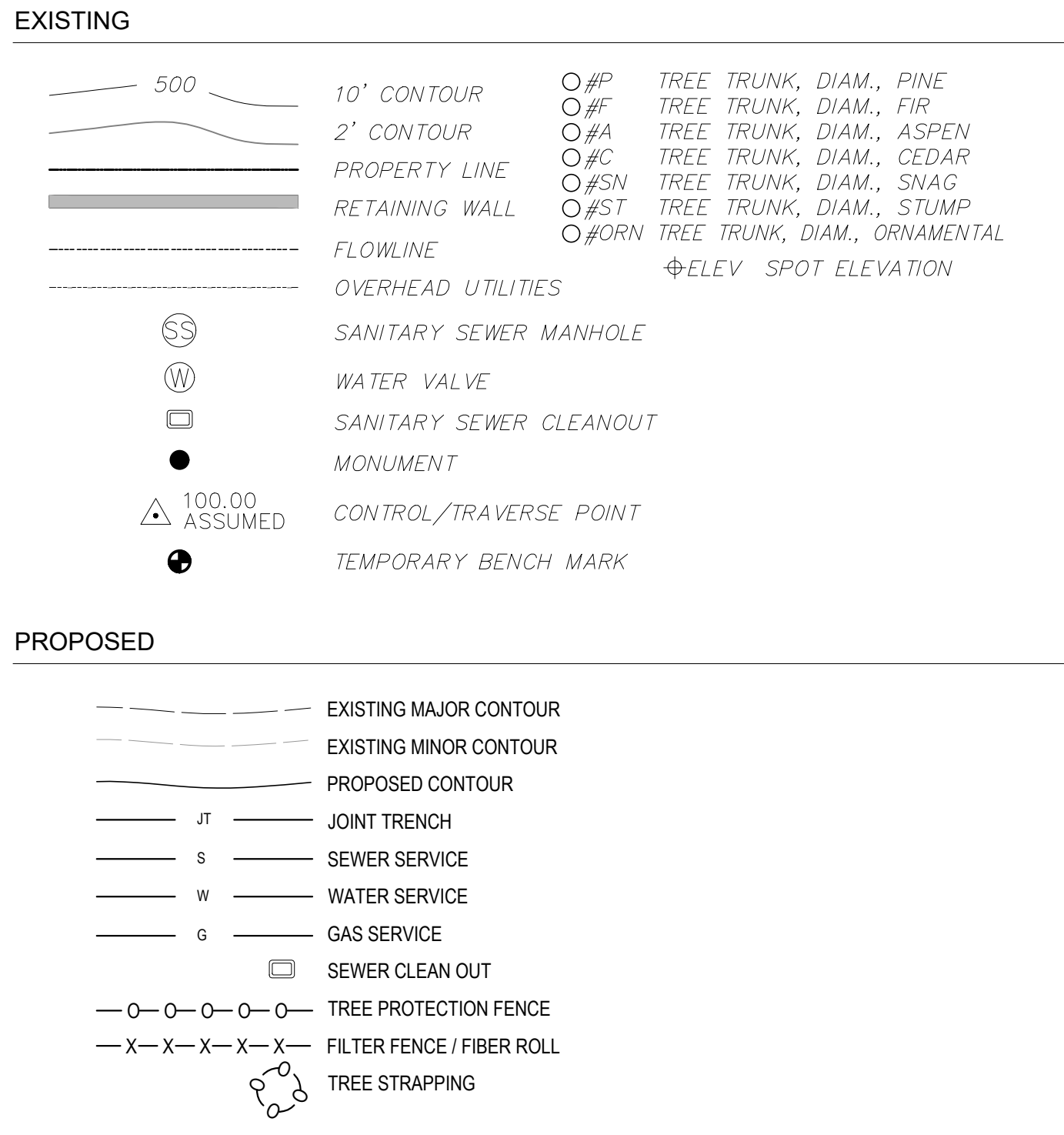
NOTICE:
48 HOURS PRIOR TO ANY EXCAVATION CONTRACTOR IS TO CALL UTILITY SERVICE ALERT.
PHONE # 1-(800)-227-2600
ALL EXCAVATION AREAS TO BE CLEARLY MARKED IN WHITE PAINT.



SURVEY NOTES

1. SURVEY PREPARED BY WEBB LAND SURVEYING IN NOVEMBER 2015.
2. THE BOUNDARY SHOWN HEREON IS FROM A FIELD SURVEY COMPILED FROM RECORD OF SURVEY 4074, FILE NO. 2688974 O.R.W.C. SURVEYOR HAS MADE NO INVESTIGATION OR INDEPENDENT SEARCH FOR EASEMENTS OF RECORD, ENCUMBRANCES, RESTRICTIVE COVENANTS, OWNERSHIP, TITLE EVIDENCE, OR ANY OTHER FACTS WHICH AN ACCURATE & CURRENT TITLE SEARCH MAY DISCLOSE.
3. NO INVESTIGATION CONCERNING ENVIRONMENTAL & SUBSURFACE CONDITIONS, OR THE EXISTENCE OF UNDERGROUND OR OVERHEAD CONTAINERS OR FACILITIES WHICH MAY AFFECT THE USE OR DEVELOPMENT OF THIS PROPERTY WAS MADE AS A PART OF THIS SURVEY.
4. NO INVESTIGATION CONCERNING THE LOCATION OF OR EXISTENCE OF UTILITY SERVICE LINES TO THIS PROPERTY WAS MADE AS A PART OF THIS SURVEY.
5. ALL UTILITY LOCATIONS SHOULD BE FIELD VERIFIED PRIOR TO ANY DESIGN OR CONSTRUCTION.
6. DATE OF FIELD WORK NOVEMBER 20 & 21, 2015.
7. THE TOPOGRAPHY SHOWN HEREON MEETS THE STANDARDS OF THE AMERICAN CONGRESS OF SURVEYING & MAPPING WITH 90% OF THE CONTOURS TO BE WITHIN PLUS OR MINUS ONE HALF OF A CONTOUR INTERVAL.
8. VERTICAL DATUM IS FROM INCLINE VILLAGE GID.
9. T.B.M. (SEWER MANHOLE IN TAHOE BLVD.), ELEV=6283.2'
10. BUILDING SETBACKS SHOULD BE VERIFIED PRIOR TO ANY DESIGN.

LEGEND



PROJECT INFORMATION

PROJECT LOCATION:
969 TAHOE BLVD.
INCLINE VILLAGE, NV 89451

OWNER:
INCLINE VILLAGE GID
1220 SWEETWATER RD.
INCLINE VILLAGE, NV 89451

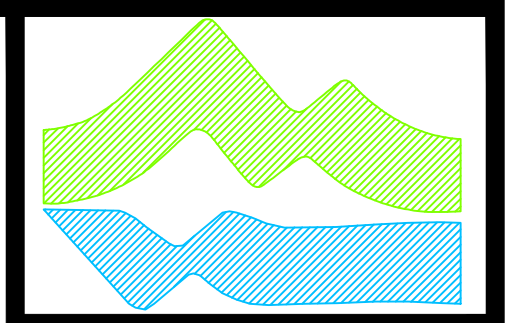
ENGINEER:
ANDREW RYAN, PE
PR DESIGN & ENGINEERING, INC.
PO BOX 1847
KINGS BEACH, CA 96143
(530) 546-4500

SURVEYOR:
WEBB LAND SURVEYING
PO BOX 1222
CARNELIAN BAY, CA 96140

SEWER & WATER:
IVGID
1220 SWEETWATER RD
INCLINE VILLAGE, NV 89451

GAS:
SW GAS
218 INCLINE CT
INCLINE VILLAGE, NV 89451

POWER:
LIBERTY UTILITIES
701 NATIONAL AVENUE
TAHOE VISTA, CA 96148



DISTRICT
PR DESIGN & ENGINEERING INC.
8899 North Lake Blvd., P.O. Box 1847
Kings Beach, CA 96143
Tel: 530-546-4500 www.prdesign.com

INCLINE VILLAGE GENERAL IMPROVEMENT DISTRICT
1220 Sweetwater Rd.; Incline Village, Nevada 89451 Phone 775-832-1267

NOTES, LEGEND & ABBREVIATIONS

INCLINE VILLAGE GENERAL IMPROVEMENT DISTRICT
1220 Sweetwater Rd.; Incline Village, Nevada 89451

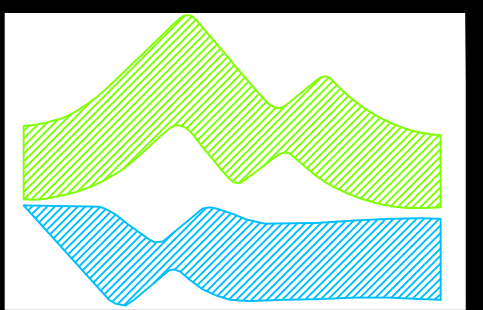
2017 INCLINE BIKE PARK



DATE SIGNED: 8/11/17

REV/DATE	DESCRIPTION	INT'L

Project No. 4378LU1604
DATE: 07/27/2017
SCALE: AS NOTED
DRAWN: JRL DESIGN: IVGID
APPROVED: CM DATE: 7/27/17



PDP DESIGN & ENGINEERING INC.
 8899 North Lake Blvd., P.O. Box 1847
 Reno, NV 89515
 Tel: 775-854-4200 www.pdp.com

INCLINE VILLAGE GENERAL IMPROVEMENT DISTRICT
 1220 Sweetwater Rd.; Incline Village, Nevada 89451 Phone 775-832-1267
2017 INCLINE BIKE PARK
COVER MAP



COVER MAP

1" = 30'

COVER CALCULATIONS
 UPPER INCLINE PARK
 APN: 127-030-15, 16, 31, 127-040-07

LAND CAPABILITY	TOTAL AREA	ALLOWABLE COVERAGE (%)	ALLOWABLE COVERAGE	EXISTING COVERAGE*	PROJECT PROPOSED COVERAGE	TOTAL PROPOSED COVERAGE	COVERAGE TRANSFERRED	REMAINING ALLOWABLE COVERAGE
CLASS 1b	746,740	1	7,467	7,859	0	7,859	0	-392
CLASS 4	14,570	20	2,914	1,470	0	1,470	0	1,444
CLASS 6	1,906,740	30	572,022	517,330	25,557	542,887	13,465	42,620
RETIRED COVERAGE				43,672	0	43,672		-43,672
TOTAL	2,668,050		582,403	570,331	25,557	595,888	13,465	0

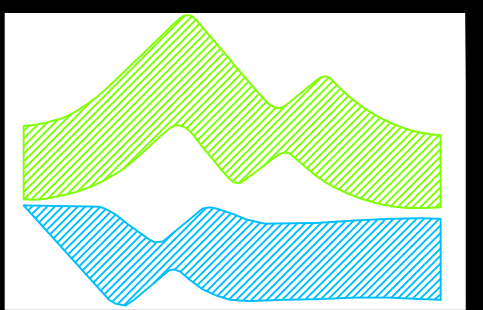
*EXISTING COVERAGE PER TRPA FILE NO. ERSF2007-1078.



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JRP DESIGN & ENGINEERING INC.
 8899 North Lake Blvd., P.O. Box 1847
 Reno, NV 89515
 Tel: 775-344-4200 www.jrpd.com

INCLINE VILLAGE GENERAL IMPROVEMENT DISTRICT
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2017 INCLINE BIKE PARK

GRADING PLAN & PROFILES

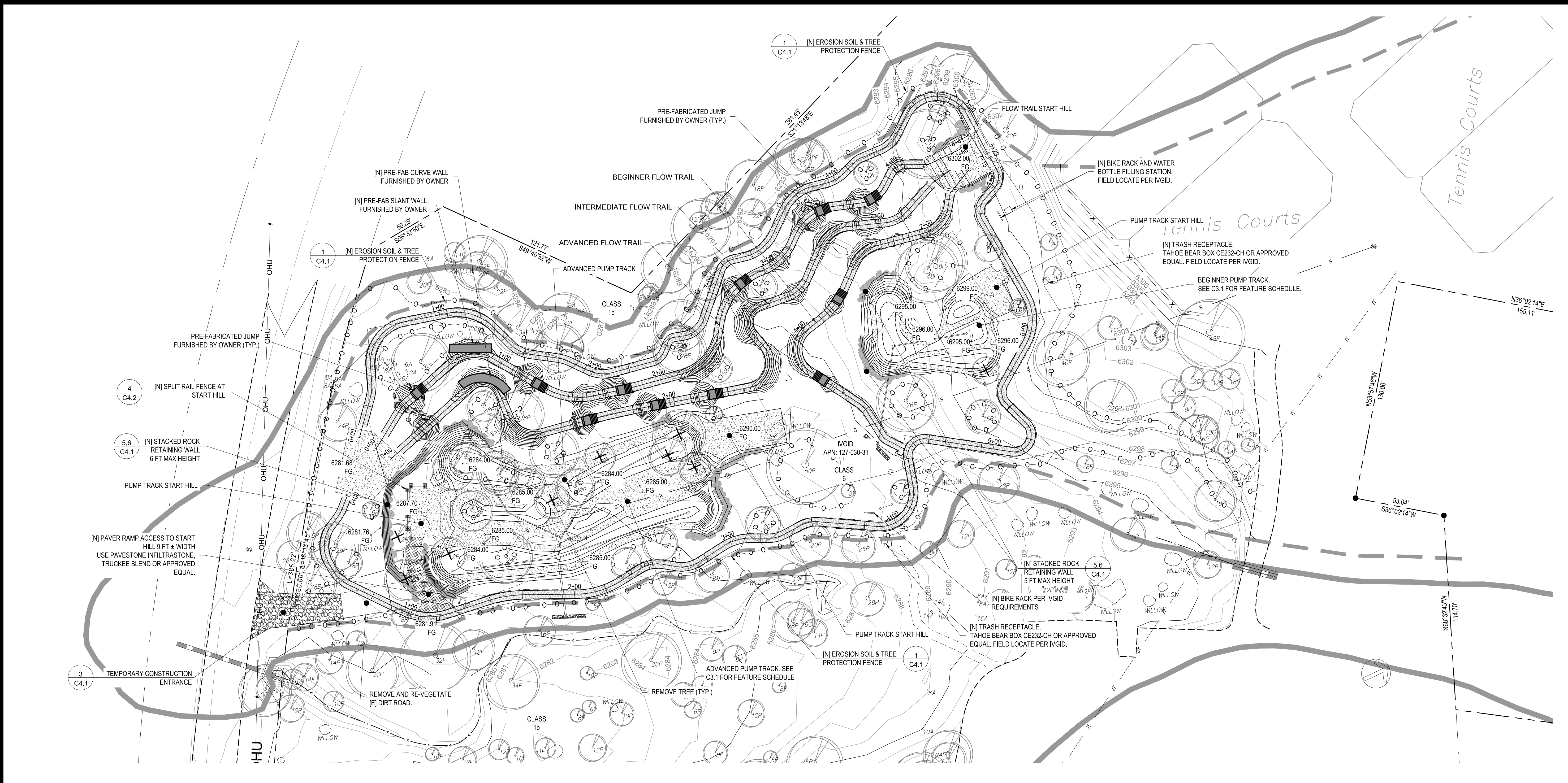


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REV/DATE	DESCRIPTION	INT'L

Project No. 4378LI1604
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 APPROVED: CM DATE: 7/27/17

C1.1
 SHEET 4 OF 14



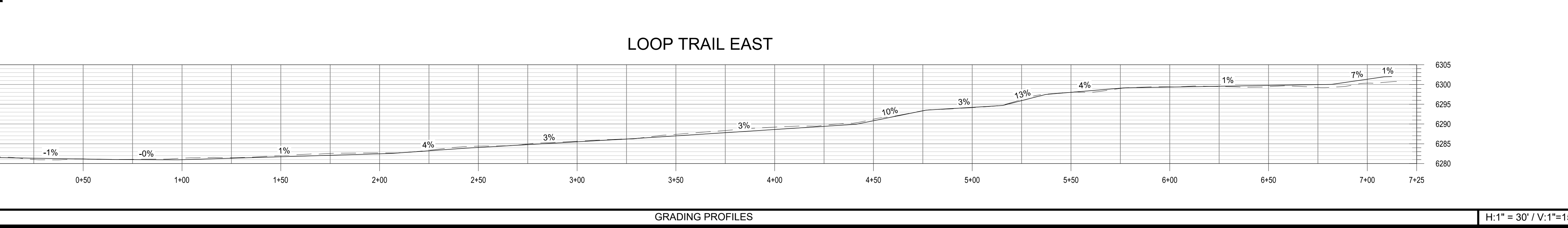
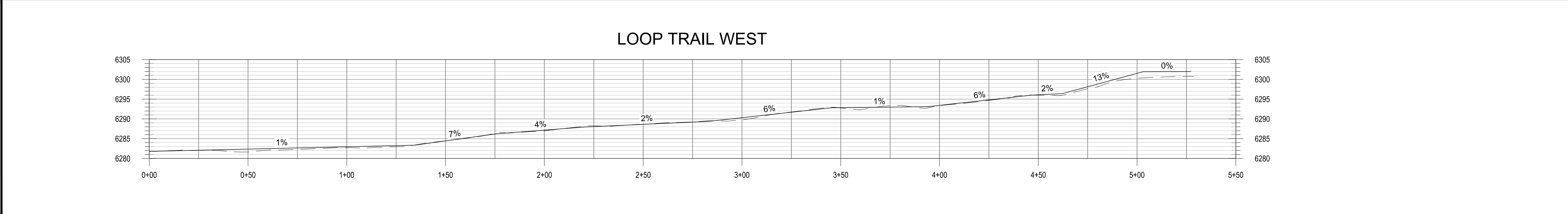
EARTHWORK & TREE REMOVAL GRADING PLAN 1" = 30'

EARTHWORK ESTIMATE

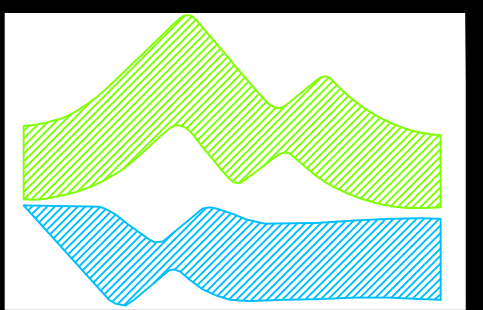
CUT	370 CY
FILL	1,780 CY
TOTAL	2,150 CY

TREE REMOVAL

TREES TO BE REMOVED	10
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GRADING PROFILES H:1" = 30' / V:1" = 15'



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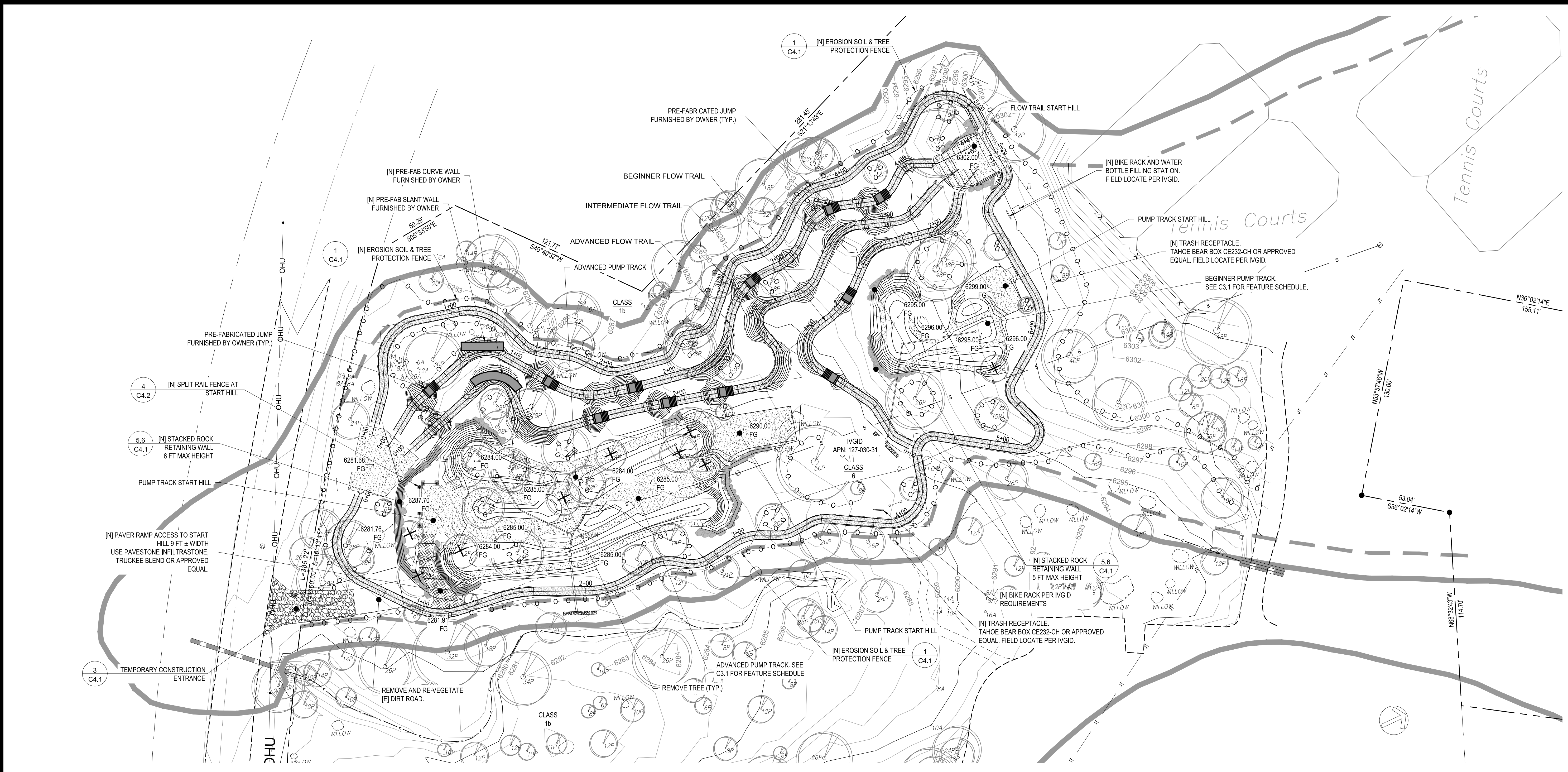
2017 INCLINE BIKE PARK
 GRADING PLAN & PROFILES



DATE SIGNED:	8/11/17	
REV/DATE	DESCRIPTION	INT'L

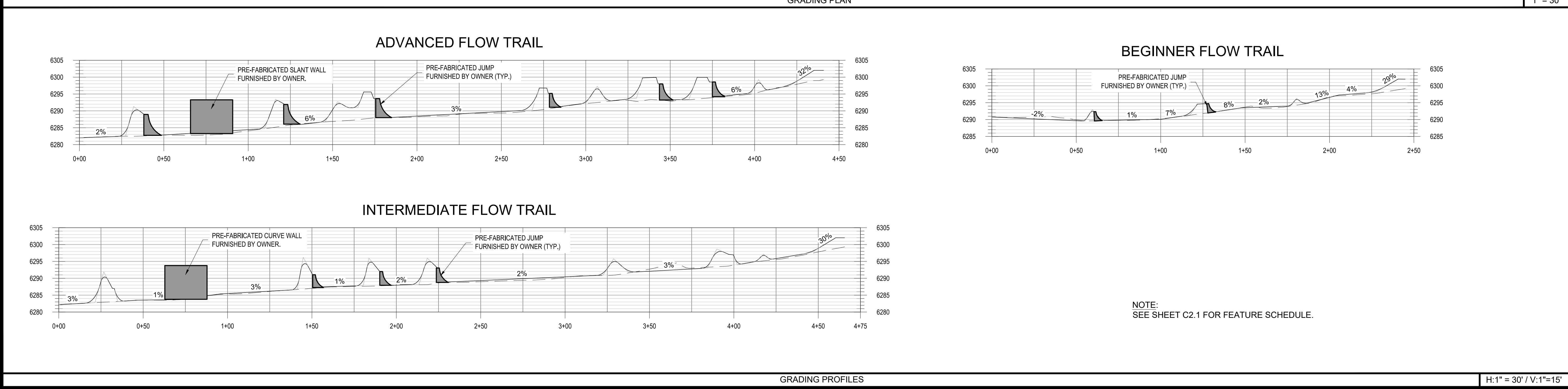
Project No. 4378LI1604
 DATE: 07/27/2017
 SCALE: AS NOTED
 DRAWN: JRL DESIGN: IVGID
 APPROVED: CM DATE: 7/27/17

C1.2
 SHEET **5** OF **14**



GRADING PLAN

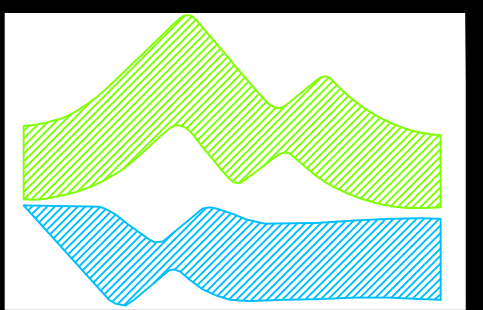
1" = 30'



GRADING PROFILES

H:1" = 30' / V:1" = 15'

NOTE:
 SEE SHEET C2.1 FOR FEATURE SCHEDULE.



PDP DESIGN & ENGINEERING INC.
 8899 North Lake Blvd., P.O. Box 1847
 Reno, NV 89515
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INCLINE VILLAGE GENERAL IMPROVEMENT DISTRICT
 1220 Sweetwater Rd.; Incline Village, Nevada 89451 Phone 775-832-1267

2017 INCLINE BIKE PARK
 GRADING PLAN & SECTIONS

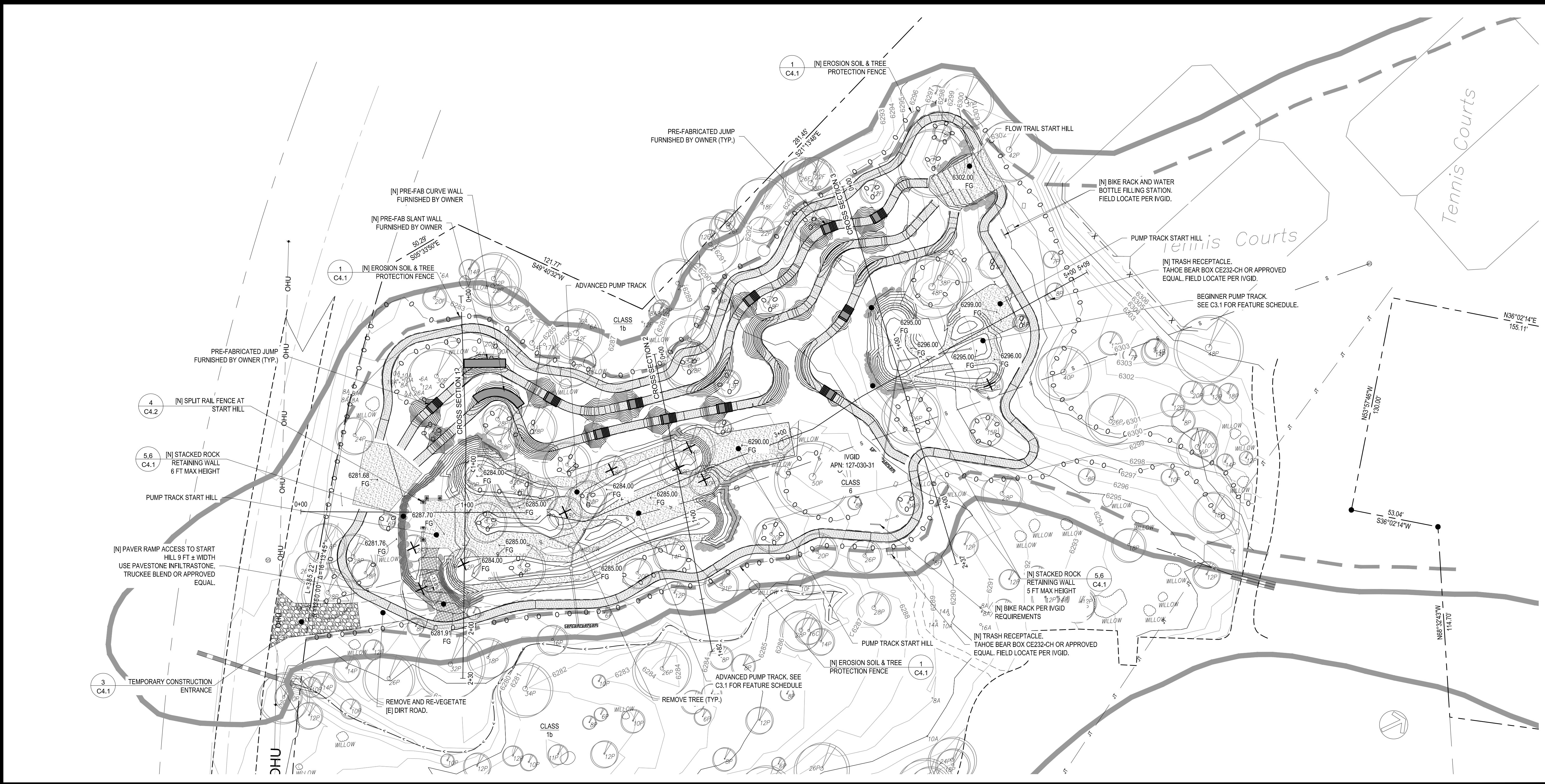


DATE SIGNED: 8/11/17

REV/DATE	DESCRIPTION	INT'L

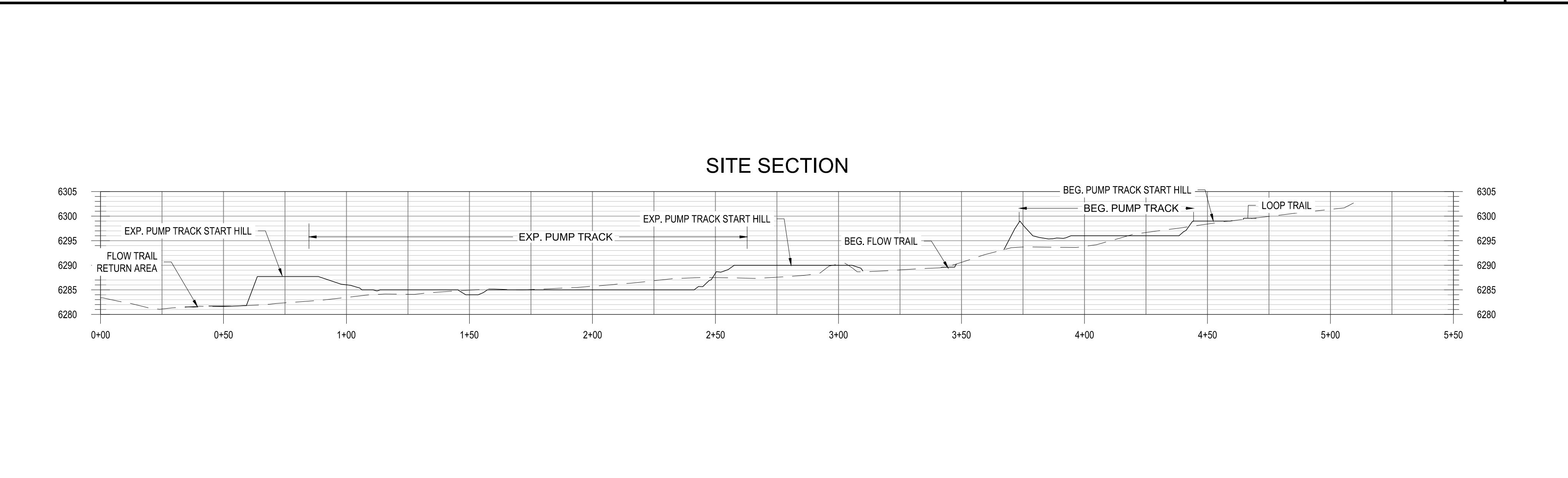
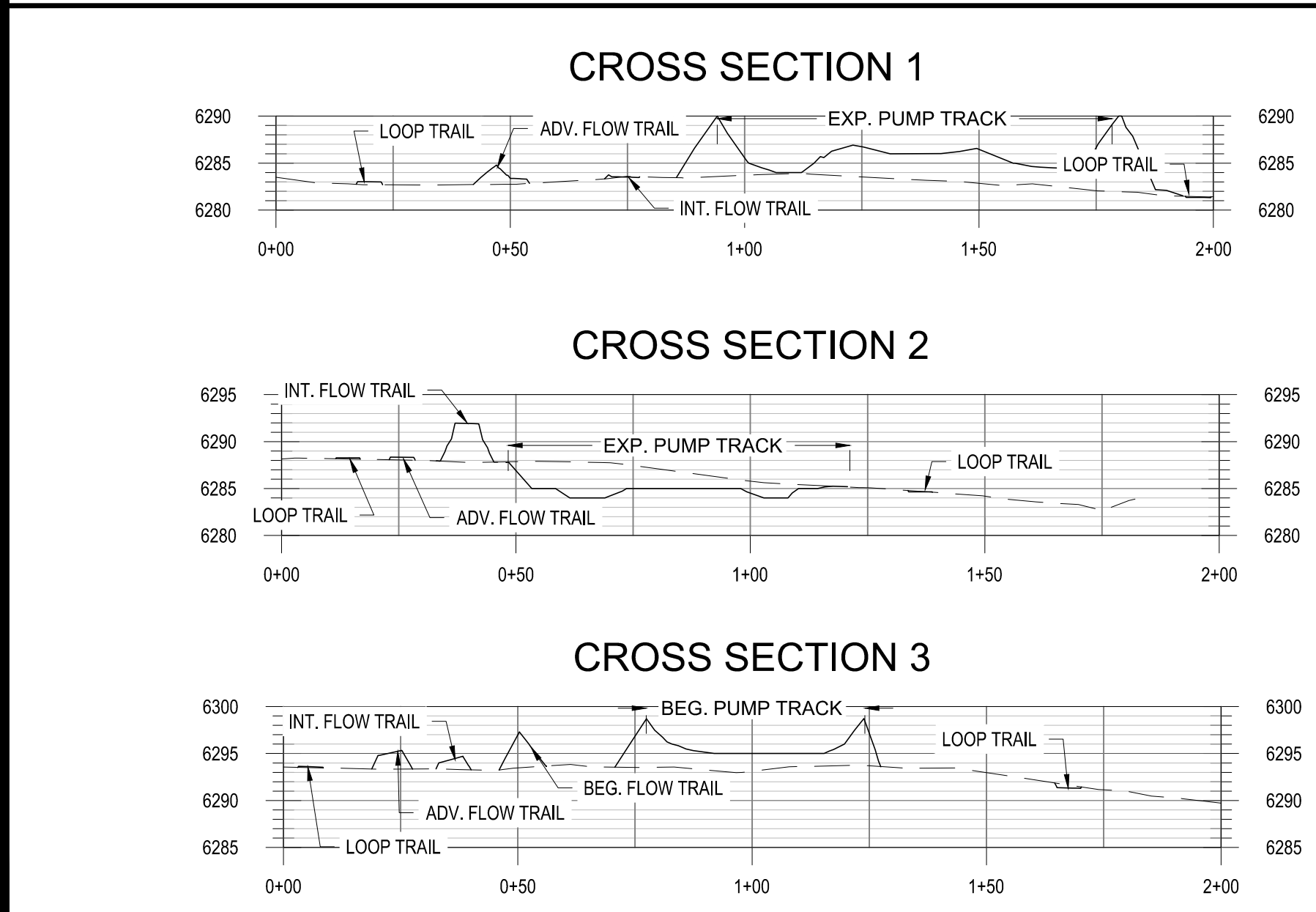
Project No. 4378LI1604
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C1.3
 SHEET 6 OF 14



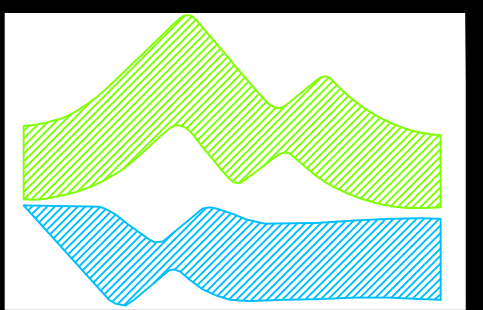
GRADING PLAN

1" = 30'



GRADING SECTIONS

H:1" = 30' / V:1" = 15'



DIRTSCULPT & ENGINEERING INC.
 8899 North Lake Blvd., P.O. Box 1847
 Reno, NV 89515
 Tel: 775-544-4500 www.dirtsculpt.com

INCLINE VILLAGE GENERAL IMPROVEMENT DISTRICT
 1220 Sweetwater Rd.; Incline Village, Nevada 89451 Phone 775-832-1267

2017 INCLINE BIKE PARK

FEATURE SCHEDULE



FEATURE PLAN

1" = 20'

NOTE:
 1. THIS SHEET IS INTENDED FOR BIKE PARK FEATURE LAYOUT ONLY. REFER TO GRADING PLAN FOR SITE GRADING, FLOW TRAIL AND PUMP TRACK ALIGNMENTS.
 2. PRE-FAB FEATURES TO BE FURNISHED BY OWNER. CONTRACTOR SHALL ASSEMBLE AND INSTALL PER DETAILS ON SHEET C4.3.

ID	ABBREVIATION	HEIGHT	RADIUS
01	ROLLIN	4.0'	
02	DBROLL	3.0'	R14.5'
03A	PRE-FAB	4.0'	
03B	SURH	6.0'	
04A	PRE-FAB	4.0'	
04B	SULH	7.0'	
05	DBROLL	5.0'	
06B	PRE-FAB	7.0'	
07	DBERM	5.0'	R24'
08A	PRE-FAB	5.0'	
08B	SU	7.5'	
08C	DWF	4.0'	
08D	DBROLL	5.5'	
09A	PRE-FAB	6.0'	
09B	SU	7.5'	
10	PRE-FAB	5.0'	R10'
11A	PRE-FAB	6.0'	
11B	SULH	7.5'	
12	DROLL	2.0'	
13A	DLIP	3.0'	
13B	SURH	4.0'	
14	DBERM	4.0'	R22'
15	DBROLL	4.0'	
16	DBERM	5.0'	R8.5'
17	DBERM	5.0'	R12'
18A	PRE-FAB	4.0'	
18B	SU	6.0'	
19A	PRE-FAB	4.0'	
19B	SU	7.0'	

ID	ABBREVIATION	HEIGHT	RADIUS
20A	PRE-FAB	4.0'	
20B	SU	7.5'	
21	DBERM	6.0'	R15'
22	PRE-FAB	5.0'	R10.5'
23A	DLIP	4.0'	
23B	SU	7.5'	
24	DBERM	3.0'	R15'
25	DROLL	2.0'	
26	DBERM	4.0'	R20'
27A	PRE-FAB	3.0'	
27B	TABT	3.5'	
28	DBERM	4'	R10'
29	PRE-FAB	2.0'	
30	ROLLIN	4'	
31	DBERM	3.0'	R10'
32	DROLL	1.5'	
33	DBERM	3.0'	R11'
34	DROLL	1.5'	
35	DBERM	3.0'	R8.0'
36	DROLL	1.5'	
37	DROLL	1.5'	
38	DBERM	3.0'	R10'
39	DROLL	1.5'	
40	DROLL	1.5'	
41	DROLL	1.5'	
42	DROLL	1.5'	
43	DBERM	3.0'	R11'
44	DROLL	1.5'	
45	DROLL	1.5'	

ID	ABBREVIATION	HEIGHT	RADIUS
46	DROLL	1.5'	
47	DROLL	1.5'	
48	DROLL	1.5'	
49	DROLL	1.5'	
50	DROLL	1.5'	
51	DROLL	1.5'	
52	DROLL	1.5'	
53	ROLLIN	5.0'	
54	ROLLIN	6.0'	
55	DBERM	6.0'	R8.5'
56	DROLL	2.0'	
57	DROLL	2.0'	
58	DROLL	2.0'	
59	DROLL	2.0'	
60	DROLL	2.0'	
61	DROLL	2.0'	
62	DROLL	2.0'	
63	DROLL	2.0'	
64	DBERM	5.0'	R11.5'
65	DROLL	2.0'	
66	DROLL	2.0'	
67	DROLL	2.0'	
68	DBERM	5.0'	R8.5'
69	DROLL	2.0'	
70	DROLL	2.0'	
71	DROLL	2.0'	
72	DBERM	5.0'	R8.5'
73	DROLL	2.0'	

ID	ABBREVIATION	HEIGHT	RADIUS
74	DROLL	2.0'	
75	DLIP	3.0'	
76	SU	5.0'	
77	SU	5.0'	
78	DLIP	3.0'	
79	DROLL	2.0'	
80	DROLL	2.0'	
81	DROLL	2.0'	
82	DROLL	2.0'	
83	DROLL	2.0'	
84	DBERM	5.0'	R8.0'
85	DROLL	2.0'	
86	DROLL	2.0'	
87	DROLL	2.0'	
88	DROLL	2.0'	
89	DBERM	5.0'	R8.0'
90	DROLL	2.0'	
91	DROLL	2.0'	
92	DROLL	2.0'	
93	DROLL	2.0'	
94	DROLL	2.0'	

ABBREVIATIONS
 DBROLL - DIRT BANKED ROLLER
 DROLL - DIRT ROLLER
 DBERM - DIRT BERM
 DLIP - DIRT LIP/KICKER
 DWF - DIRT WATERFALL LANDING
 ROLLIN - ELEVATED START/ROLL-IN AREA
 SU - STEP-UP
 SURH - STEP-UP RIGHT HIP
 SULH - STEP-UP LEFT HIP
 TABT - TABLE TOP
 PRE-FAB - PRE-FAB FEATURE FURNISHED BY OWNER

BIKE FEATURE NOTES
 1. BIKE FEATURE HEIGHT IS IN REFERENCE TO FINISH GRADE.
 2. BERM RADII SHOWN IN THE BIKE FEATURE PLAN AND TABLE ARE MEASURED FROM INSIDE BOTTOM OF BERM.
 3. OWNER WOULD LIKE TO MINIMIZE THE IMPACT TO THE EXISTING TREES AND VEGETATION.
 4. FIELD ADJUSTMENTS MAY BE NECESSARY UPON THE DIRECTION OF THE OWNER OR OWNER'S REPRESENTATIVE.
 5. TOP OF ROLL-INS SHOULD BE PITCHED A MINIMUM OF 5% IN THE DIRECTION OF TRAVEL FOR THE ROLL-IN.
 6. ALL RIDING SURFACES TO RECEIVE A MINIMUM OF 4 INCHES OF SCREENED TOP-COAT MIX AS APPROVED.

LEGEND
 ID# - BIKE FEATURE ID#
 ABB - ABBREVIATION
 H - HEIGHT ABOVE FINISH GRADE
 R - RADIUS OF INSIDE TOW OF BERM

FEATURE SCHEDULE

DIRTSCULPT PARKS, LLC
 1819 LEVERING PL.
 BETHLEHEM, PA 18017
 TEL 610-960-5117



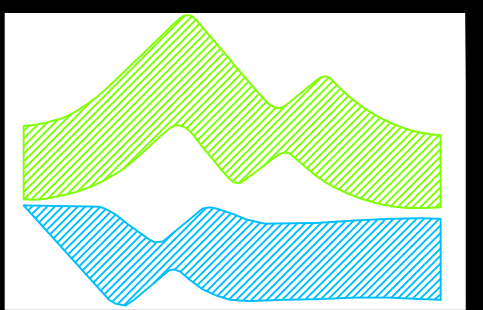
DATE SIGNED: 8/11/17

REV/DATE	DESCRIPTION	INT'L

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C2.1

SHEET 7 OF 14

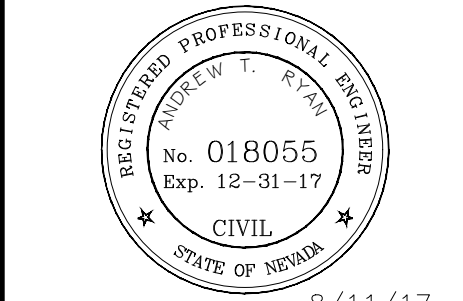


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UTILITY PLAN

2017 INCLINE BIKE PARK

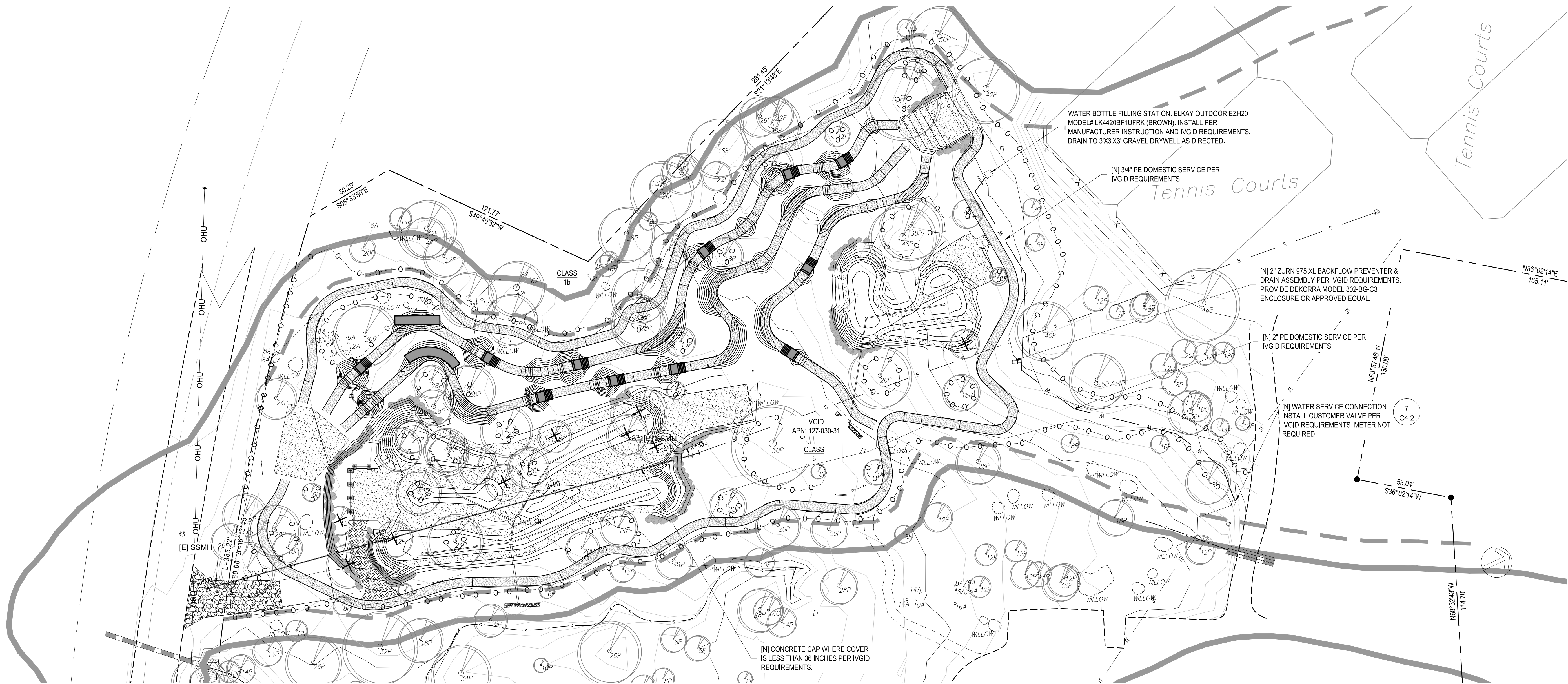


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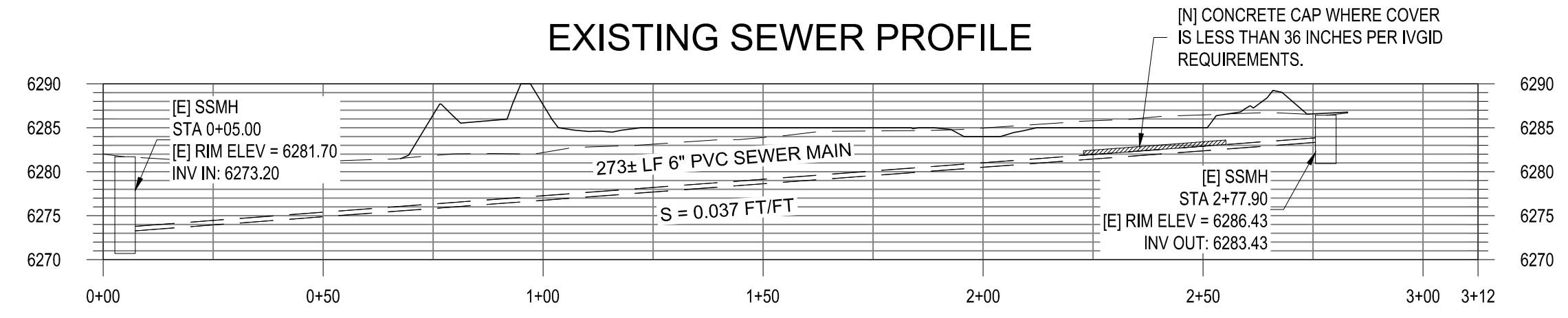
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C3.1
 SHEET 8 OF 14



UTILITY PLAN 1" = 30'



EXISTING SEWER PROFILE



IRRIGATION PLAN

1" = 30'

IRRIGATION NOTES

1. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE A FULLY FUNCTIONING SYSTEM PER THE REQUIREMENTS OF TECHNICAL SPECIFICATION 02810 IRRIGATION SYSTEM.
2. IRRIGATION DRAWINGS ARE DIAGRAMMATIC AND DO NOT SHOW EXACT LOCATIONS OF PIPING, VALVES OR CONTROL LINES. INSTALL THESE ITEMS PARALLEL TO AND AS CLOSELY AS POSSIBLE TO WALLS AND BIKE TRACKS AND WITHIN PLANTED AREAS UNLESS OTHERWISE INDICATED. FIELD VERIFY EXACT LOCATION OF BACK FLOW PREVENTER, VALVE BOXES, GATE VALVES, QUICK COUPLINGS AND IRRIGATION HEADS WITH ENGINEER PRIOR TO INSTALL.
3. IRRIGATION HEAD LOCATIONS ARE INDICATED AS ACCURATELY AS POSSIBLE FOR THE DRAWINGS. INSTALL HEADS IN PLANTING AREAS AND IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION DETAILS.
4. ALL IRRIGATION PARTS MUST BE INSTALLED PER MANUFACTURE'S DETAIL AND INCLUDE ALL NECESSARY ITEMS TO COMPLETE A COMPLIANT INSTALLATION.
5. COORDINATE WORK WITH ALL APPROPRIATE TRADES FOR THE INSTALLATION OF PIPING AND PIPE SLEEVES.
6. WIRING: INSTALL ALL REMOTE CONTROL VALVE WIRING IN SAME TRENCH AS LATERAL AND OR MAIN LINE.
7. REMOTE CONTROL VALVES MAY BE GROUPED TOGETHER IN VALVE BOXES WHERE APPROPRIATE. INSTALL EACH QUICK COUPLING VALVE IN SEPARATE VALVE BOX PER MANUFACTURE'S DETAILS.
8. POP-UP SPRAY HEAD HEIGHT: INSTALL 12" MAX. 8" MIN. ABOVE EXISTING GRADE.
9. IRRIGATION SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH ALL LOCAL CODES AND MANUFACTURE'S SPECIFICATIONS.
10. VERIFY LOCATION OF ALL ON-SITE UTILITIES. RESTORATION OF DAMAGED UTILITIES SHALL BE MADE AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER. CALL USA DIG PRIOR TO EXCAVATION.
11. PRIOR TO ORDERING OR INSTALLING HUNTER (OR APPROVED EQUAL) IRRIGATION EQUIPMENT, CONTACT MANUFACTURER REPRESENTATIVE TO NOTIFY OF IMPENDING INSTALLATION AND RECEIVE INSTALLATION RECOMMENDATIONS.
12. ALL DISTURBED AREAS SHALL BE IRRIGATED WITH TEMPORARY IRRIGATION FOR TWO GROWING SEASONS. DRIP IRRIGATION IS PREFERRED, BUT IF OVERHEAD SPRAY IS USED, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL SPRINKLER HEADS SO AS TO OBTAIN 100 PERCENT (100%) OVERLAPPING COVERAGE UNDER NORMAL WIND CONDITIONS.
13. CONTRACTOR SHALL INSPECT IRRIGATION SYSTEM ON A MONTHLY BASIS TO ENDURE THE SYSTEM IS FUNCTIONING PROPERLY, BASED ON THE MAINTENANCE SCHEDULE ON SHEET L1.1. - REVEGETATION NOTES.

IRRIGATION SYMBOLS

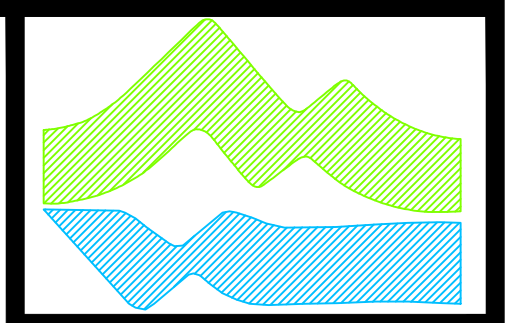
KEY	DESCRIPTION
—	MAINLINE, 2" SCH. 40 PVC, 18" MIN. BURIAL
---	LATERAL LINE, SCH. 40 PVC, 12" MIN. BURIAL
---	PERMANENT DRIP LINE ZONE
POC	POINT OF CONNECTION
B	BACKFLOW PREVENTER, SEE UTILITY PLAN
V	MASTER VALVE - HUNTER, IBV-201G-FS
C	IRRIGATION CONTROLLER - HUNTER XC-HYBRID, XCH-1200-SS, 12 STATION, STAINLESS STEEL POLE MOUNT
S	SOLAR PANEL FOR CONTROLLER - HUNTER SPXCH
□	GATE VALVE - NIBCO T-113-K, LINE SIZE
○	QUICK COUPLING VALVE - RAINBIRD 44LRC
○	REMOTE CONTROL VALVE - HUNTER IBV-G, SIZE PER PLAN
□	IRRIGATION DRAIN

ROTATOR/ ROTOR HEADS

KEY	DESCRIPTION	GPM	ROTATION	QUANTITY
○	HUNTER I-40 ROTOR, 1-40-06 SS RISER, MPR-8 NOZZLE	0.33	HALF	139
■	HUNTER MP ROTATOR, PROS-12-PRS30-CV-MP800SR-90 (HALF)	7.6	HALF/FULL	7

LATERAL PIPING SIZE SCHEDULE

GPM	PIPE SIZE (NOMINAL SCH 40 PVC)
12 OR LESS	1"
13-24	1-1/2"
25-32	2"



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IRRIGATION PLAN

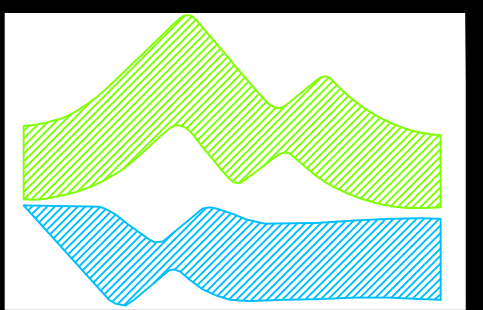
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L1.2
 SHEET **10** OF **14**

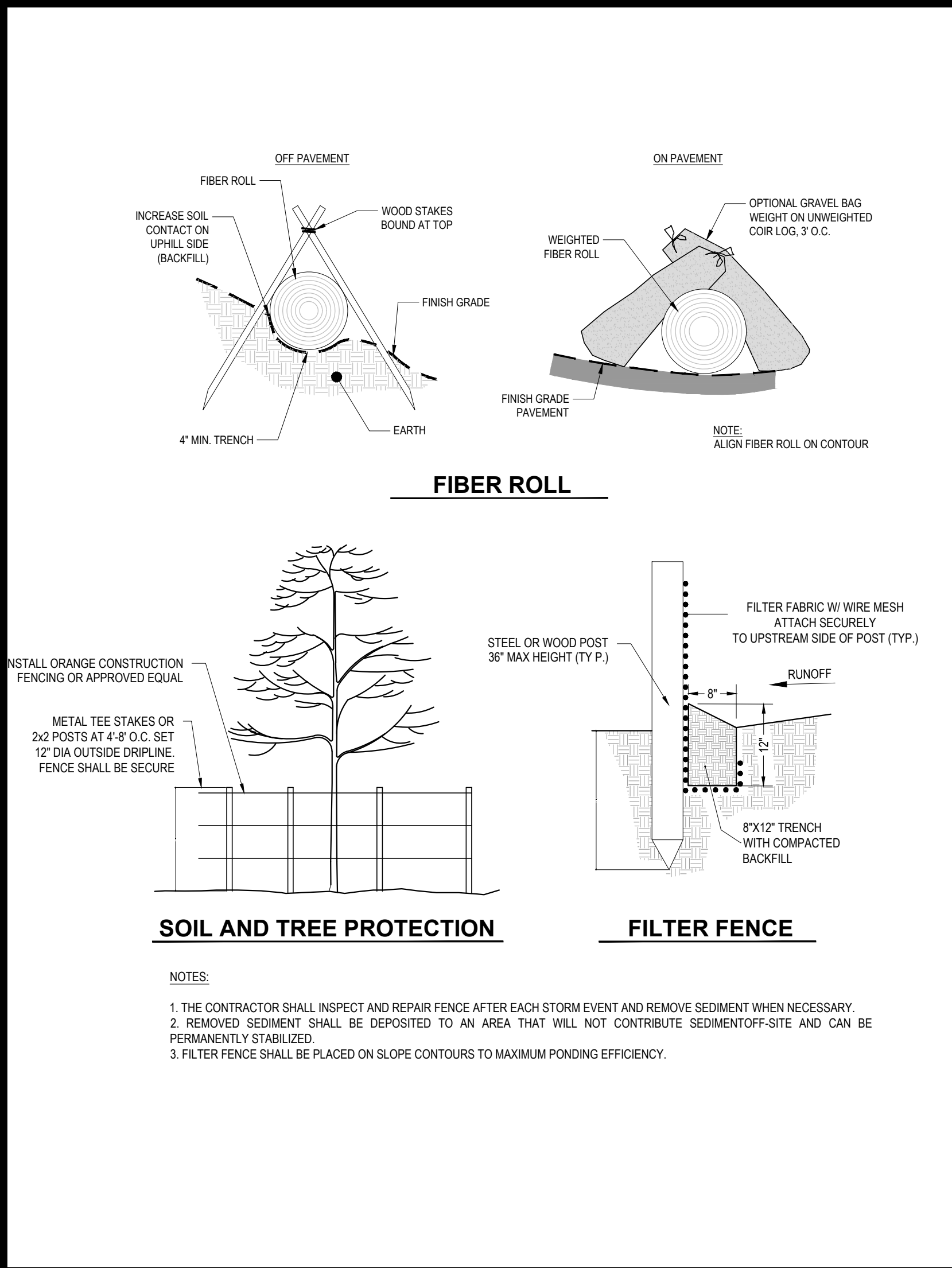


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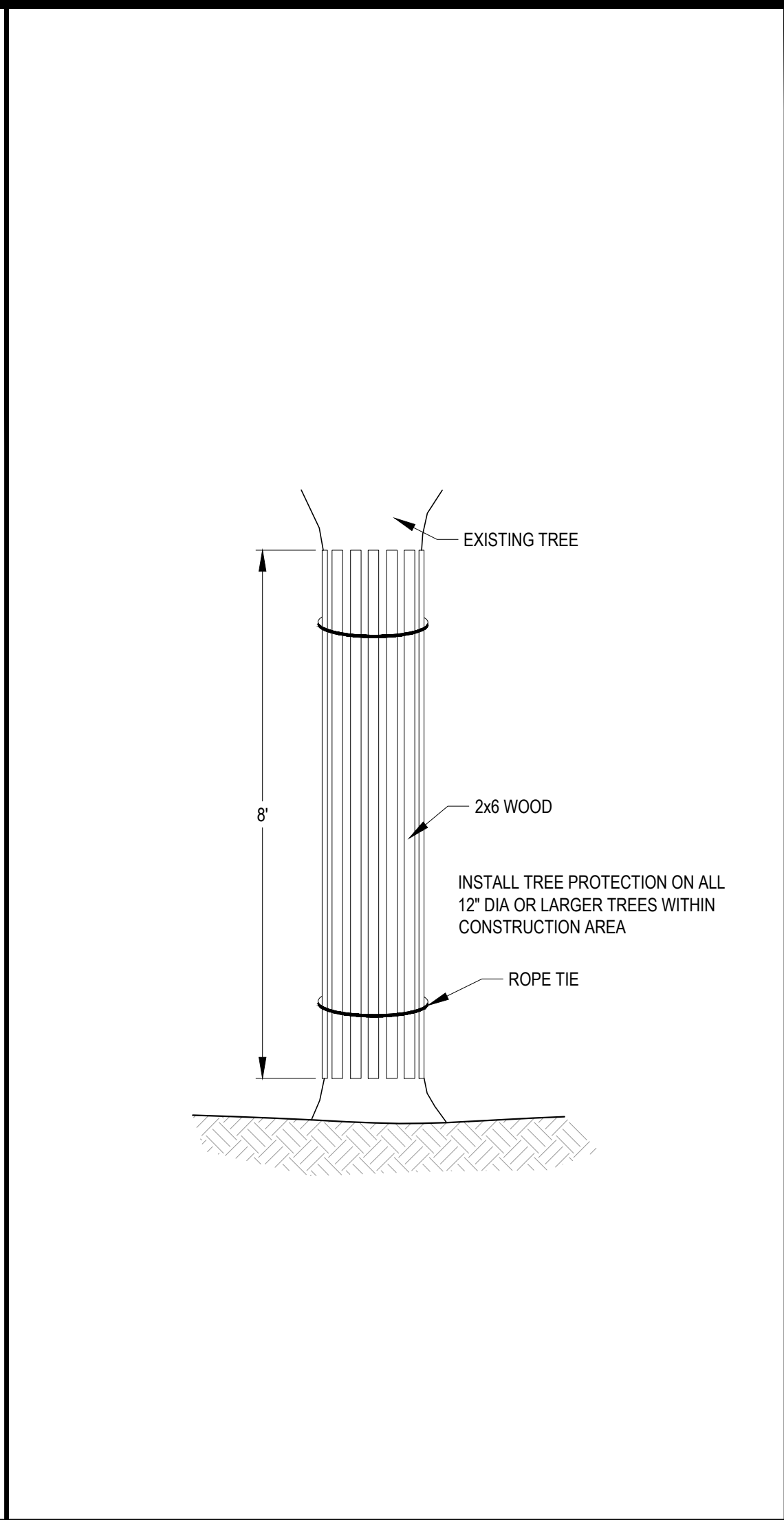
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 Village, Nevada 89451

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INCLINE BIKE PARK

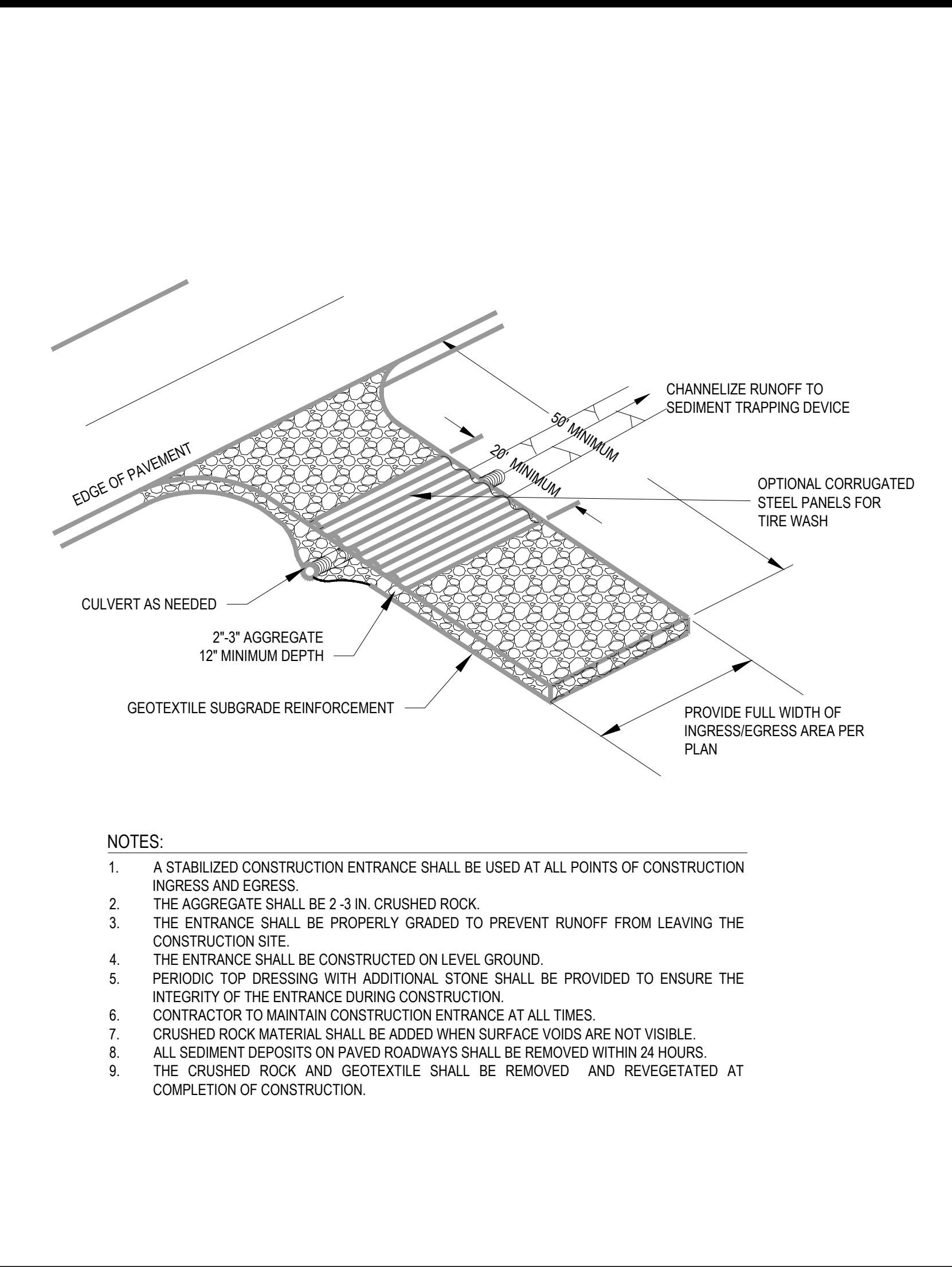
DETAILS



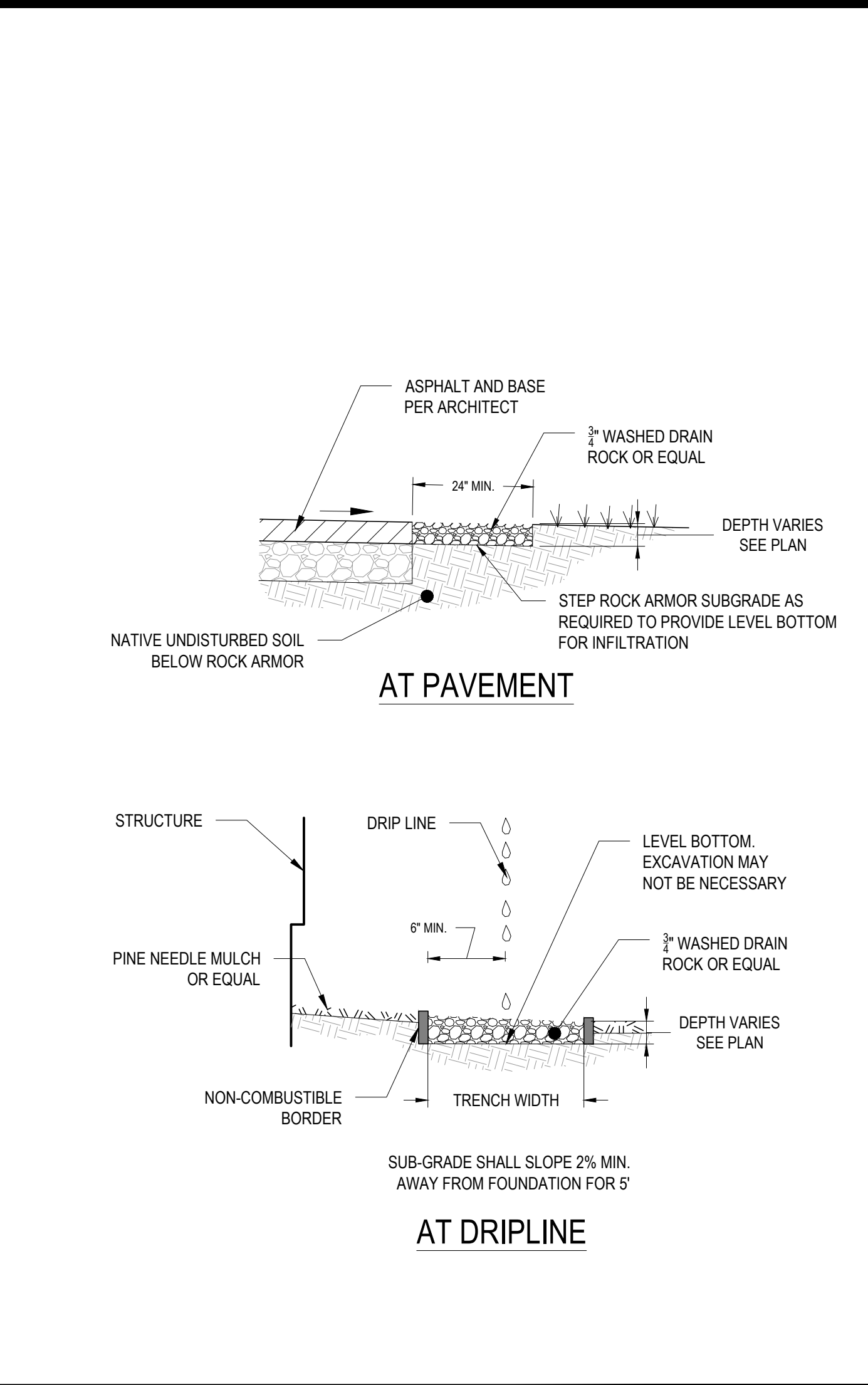
TEMPORARY EROSION CONTROL 1



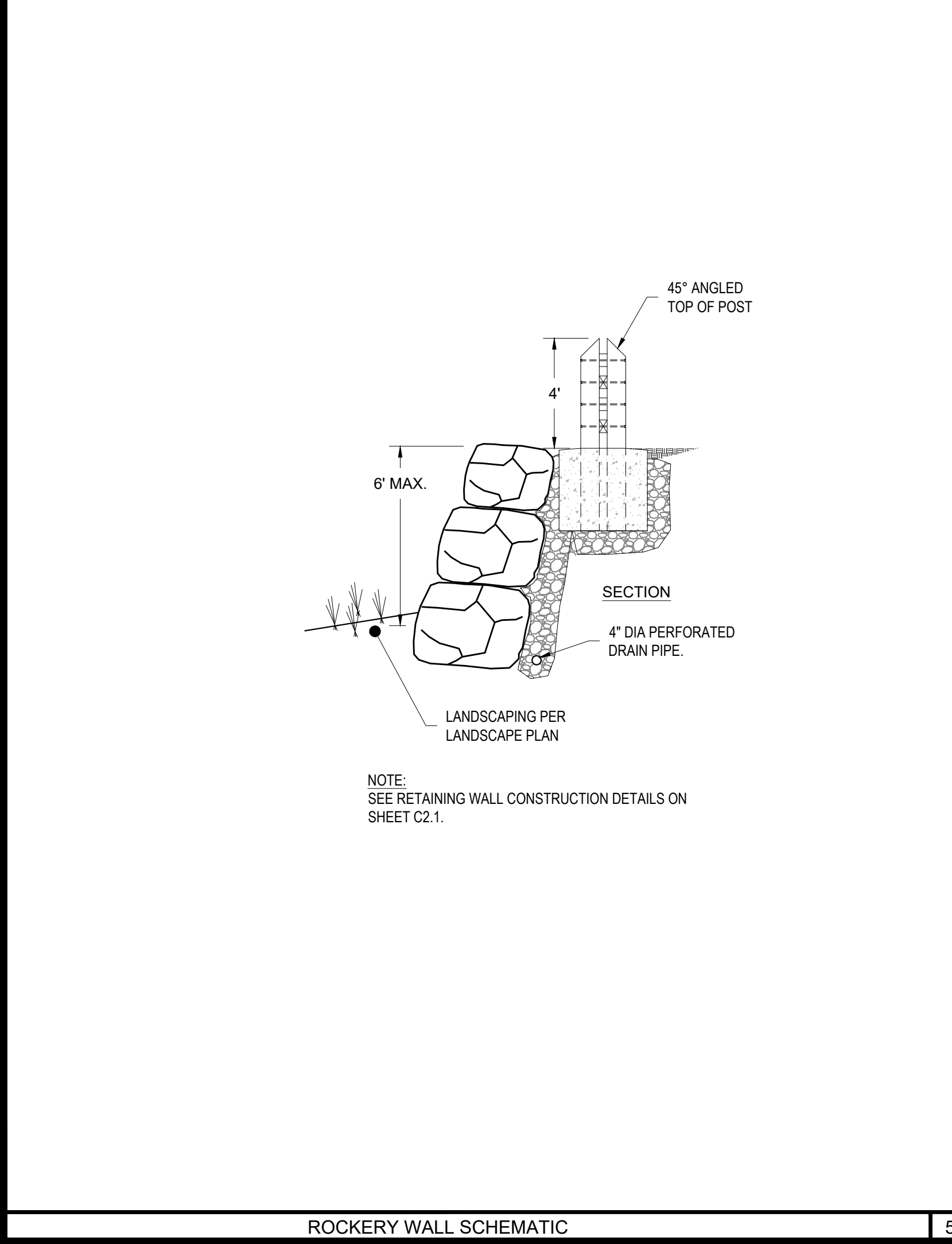
TEMPORARY TREE PROTECTION 2



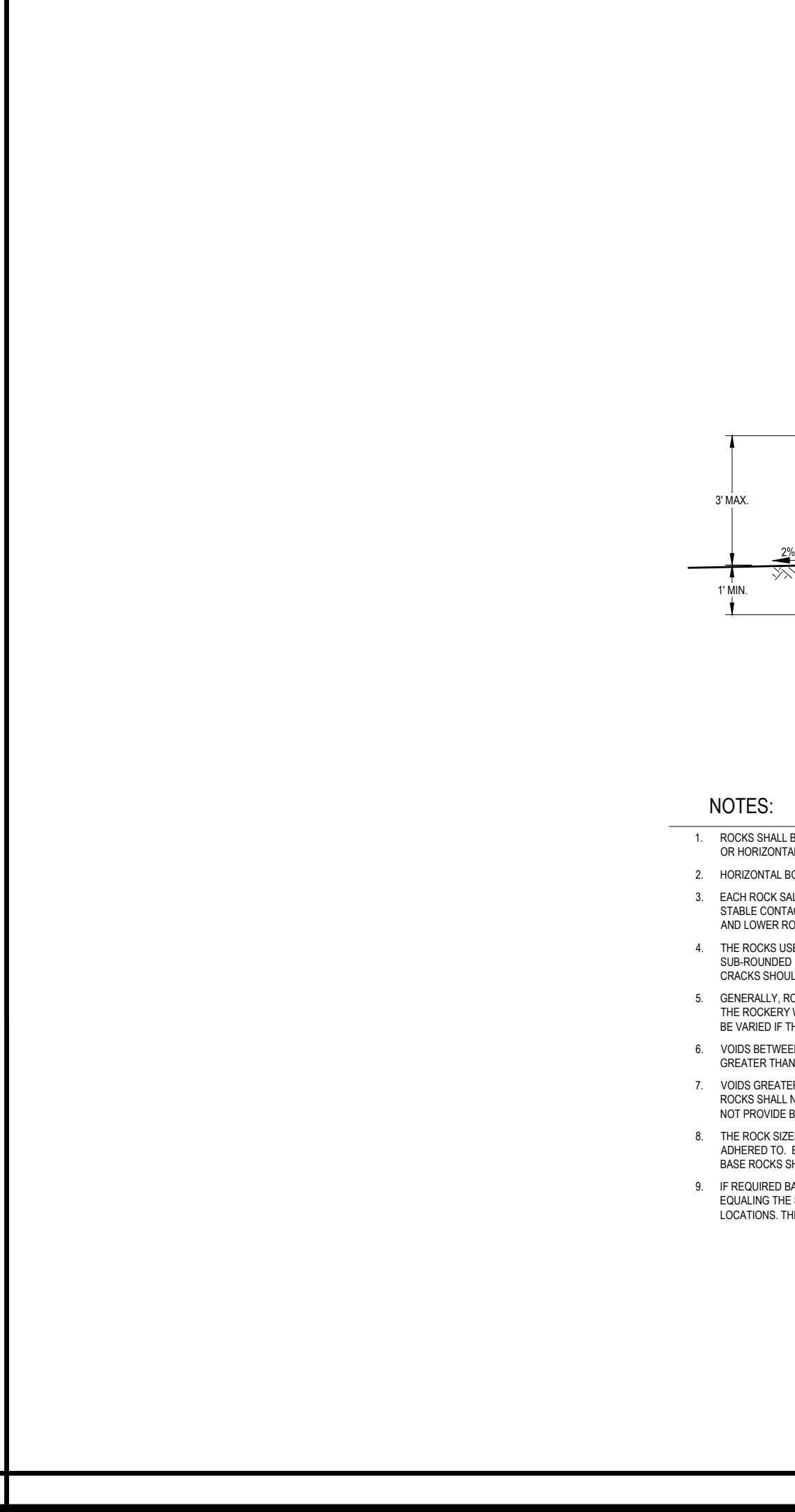
TEMPORARY CONSTRUCTION ENTRANCE 3



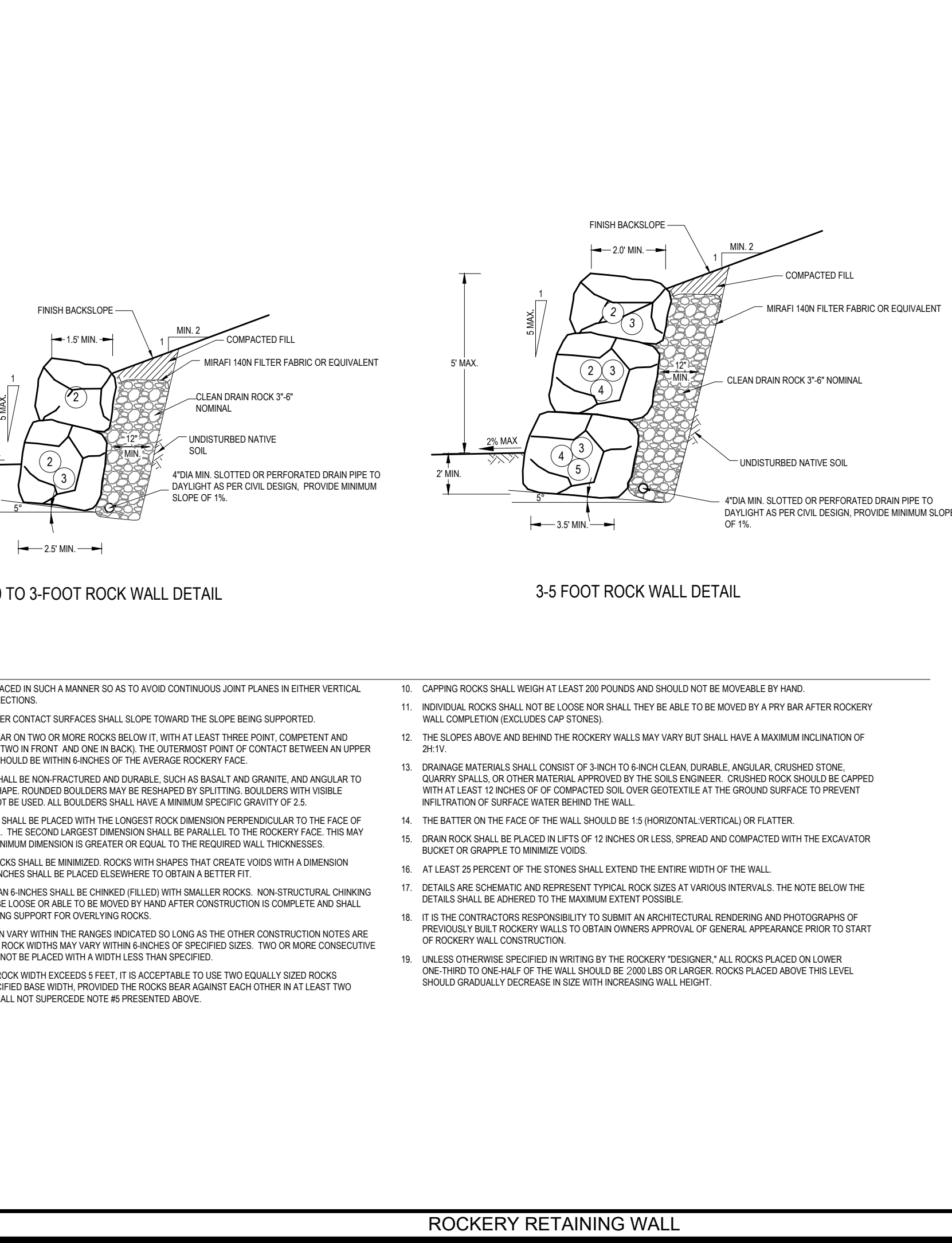
ROCK ARMOR 4



ROCKERY WALL SCHEMATIC 5



ROCKERY RETAINING WALL 6



ROCKERY RETAINING WALL 6

BOULDER DIMENSION TABLE

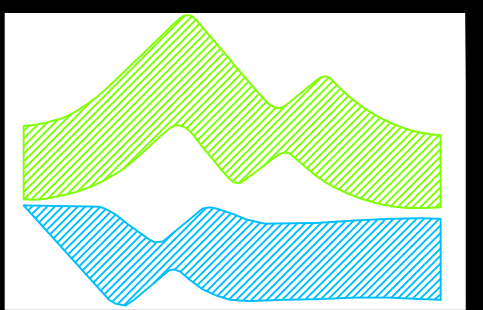
SIZE	AVG. WT. (LBS)	NOM. DIA. (INCH)
2	200-700	18-24"
3	700-2000	24-36"
4	2000-4000	36-48"
5	4000-6000	48-54"
6	6000-8000	54-60"

NOTES:

- ROCKS SHALL BE PLACED IN SUCH A MANNER SO AS TO AVOID CONTINUOUS JOINT PLANES IN EITHER VERTICAL OR HORIZONTAL DIRECTIONS.
- HORIZONTAL BOULDER CONTACT SURFACES SHALL SLOPE TOWARD THE SLOPE BEING SUPPORTED.
- EACH ROCK SHALL BEAR ON TWO OR MORE ROCKS BELOW IT, WITH AT LEAST THREE POINT CONTACT AND STABLE CONTACTS (TWO IN FRONT AND ONE IN BACK). THE OUTERMOST POINT OF CONTACT BETWEEN AN UPPER AND LOWER ROCK SHOULD BE WITHIN 6 INCHES OF THE AVERAGE ROCKERY FACE.
- THE ROCKS USED SHALL BE NON-FRACTURED AND DURABLE, SUCH AS BASALT AND GRANITE, AND ANGULAR TO SUB-ANGULAR IN SHAPE. ROUNDED BOULDERS MAY BE REPAIRED BY SPLITTING BOULDERS WITH VISIBLE CRACKS SHOULD NOT BE USED. ALL BOULDERS SHALL HAVE A MINIMUM SPECIFIC GRAVITY OF 2.5.
- GENERALLY, ROCKS SHALL BE PLACED WITH THE LONGEST ROCK DIMENSION PERPENDICULAR TO THE FACE OF THE ROCKERY WALL. THE SECOND LARGEST DIMENSION SHALL BE PARALLEL TO THE ROCKERY FACE. THIS MAY BE VARIED IF THE MINIMUM DIMENSION IS GREATER OR EQUAL TO THE REQUIRED WALL THICKNESSES.
- VOIDS BETWEEN ROCKS SHALL BE MINIMIZED. ROCKS WITH SHAPES THAT CREATE VOIDS WITH A DIMENSION GREATER THAN 12 INCHES SHALL BE PLACED ELSEWHERE TO OBTAIN A BETTER FIT.
- VOIDS GREATER THAN 12 INCHES SHALL BE ORNAMENTALLY FILLED WITH SMALLER ROCKS. NON-STRUCTURAL CHANNING ROCKS SHALL NOT BE LOOSE OR ABLE TO BE MOVED BY HAND AFTER CONSTRUCTION IS COMPLETE AND SHALL NOT PROVIDE BEARING SUPPORT FOR OVERLYING ROCKS.
- THE ROCK SIZES CAN VARY WITHIN THE RANGES INDICATED SO LONG AS THE OTHER CONSTRUCTION NOTES ARE ADHERED TO. BASE ROCK WIDTHS MAY VARY WITHIN 6 INCHES OF SPECIFIED SIZES. TWO OR MORE CONSECUTIVE BASE ROCKS SHALL NOT BE PLACED WITH A WIDTH LESS THAN SPECIFIED.
- IF REQUIRED BASE ROCK WIDTH EXCEEDS 5 FEET, IT IS ACCEPTABLE TO USE TWO EQUALLY SIZED ROCKS EQUALING THE SPECIFIED BASE WIDTH, PROVIDED THE ROCKS BEAR AGAINST EACH OTHER IN AT LEAST TWO LOCATIONS. THIS SHALL NOT SUPERSEDE NOTE AS PRESENTED ABOVE.
- CAPPING ROCKS SHALL WEIGH AT LEAST 200 POUNDS AND SHOULD NOT BE MOVEABLE BY HAND.
- INDIVIDUAL ROCKS SHALL NOT BE LOOSE NOR SHALL THEY BE ABLE TO BE MOVED BY A PRY BAR AFTER ROCKERY WALL COMPLETION (EXCLUDES CAP STONES).
- THE SLOPES ABOVE AND BEHIND THE ROCKERY WALLS MAY VARY BUT SHALL HAVE A MAXIMUM INCLINATION OF 2H:1V.
- DRAINAGE MATERIALS SHALL CONSIST OF 3/4 INCH TO 1/2 INCH CLEAN, DURABLE, ANGULAR, CRUSHED STONE, QUARRY SPALLS, OR OTHER MATERIAL APPROVED BY THE SOILS ENGINEER. CRUSHED ROCK SHOULD BE CAPPED WITH AT LEAST 1/2 INCHES OF COMPACTED SOIL OVER GEOTEXTILE AT THE GROUND SURFACE TO PREVENT INFILTRATION OF SURFACE WATER BEHIND THE WALL.
- THE BATTER ON THE FACE OF THE WALL SHOULD BE 15 (HORIZONTAL:VERTICAL) OR FLATTER.
- DRAIN ROCK SHALL BE PLACED IN LIFTS OF 12 INCHES OR LESS, SPREAD AND COMPACTED WITH THE EXCAVATOR BUCKET OR GRAPPLE TO MINIMIZE VOIDS.
- AT LEAST 25 PERCENT OF THE STONES SHALL EXTEND THE ENTIRE WIDTH OF THE WALL.
- DETAILS ARE SCHEMATIC AND REPRESENT TYPICAL ROCK SIZES AT VARIOUS INTERVALS. THE NOTE BELOW THE DETAILS SHALL BE ADHERED TO THE MAXIMUM EXTENT POSSIBLE.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO SUBMIT AN ARCHITECTURAL RENDERING AND PHOTOGRAPHS OF PREVIOUSLY BUILT ROCKERY WALLS TO OBTAIN OWNER'S APPROVAL OF GENERAL APPEARANCE PRIOR TO START OF ROCKERY WALL CONSTRUCTION.
- UNLESS OTHERWISE SPECIFIED IN WRITING BY THE ROCKERY DESIGNER, ALL ROCKS PLACED ON LOWER ONE-THIRD TO ONE-HALF OF THE WALL SHOULD BE 2000 LBS OR LARGER. ROCKS PLACED ABOVE THIS LEVEL SHOULD GRADUALLY DECREASE IN SIZE WITH INCREASING WALL HEIGHT.

ROCKERY RETAINING WALL 6

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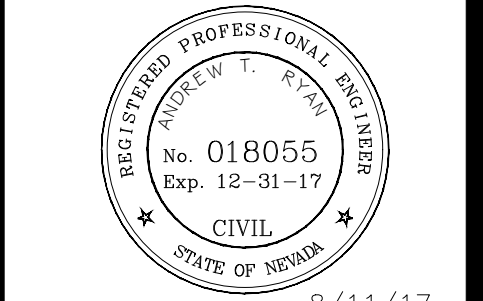


DISTRICT GENERAL IMPROVEMENT VILLAGE
 Phone 775-832-1267
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DETAILS

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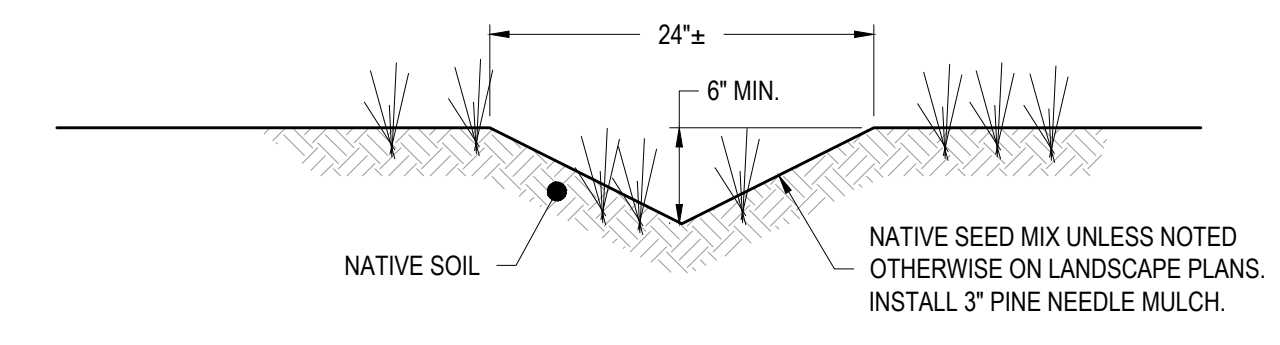
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C4.2

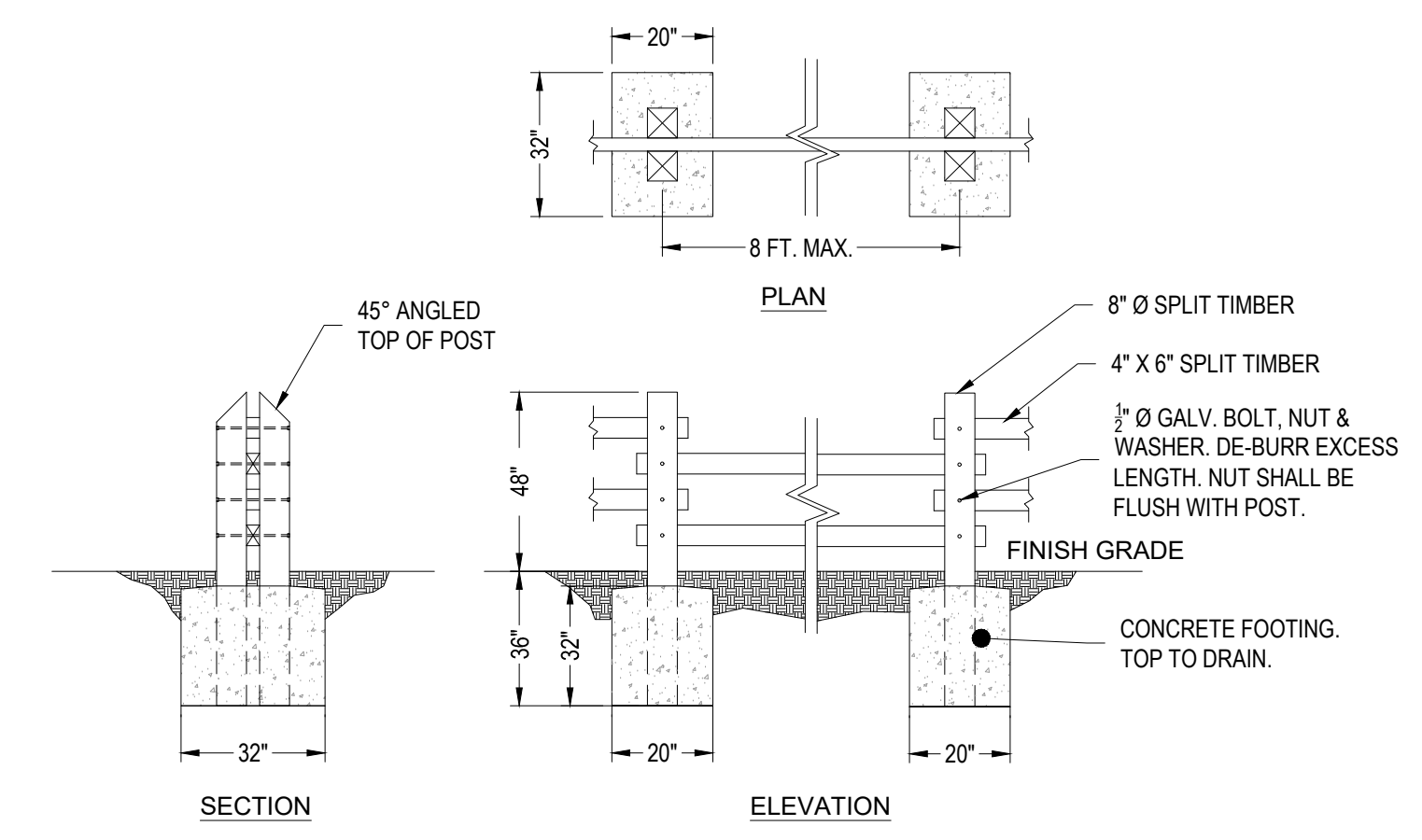
SHEET 12 OF 14



- NOTES:
1. INSTALL ADJACENT TO DISTURBED AREAS TO PROHIBIT RUNOFF FROM ENTERING SEZ AREA.
 2. FIELD INSTALLATION MAY VARY FROM WHAT IS SHOWN ON THE PLANS. INSTALL AS DIRECTED.
 3. DO NOT DISTURB EXISTING VEGETATION. NOTIFY ENGINEER IF CONFLICT IS FOUND.

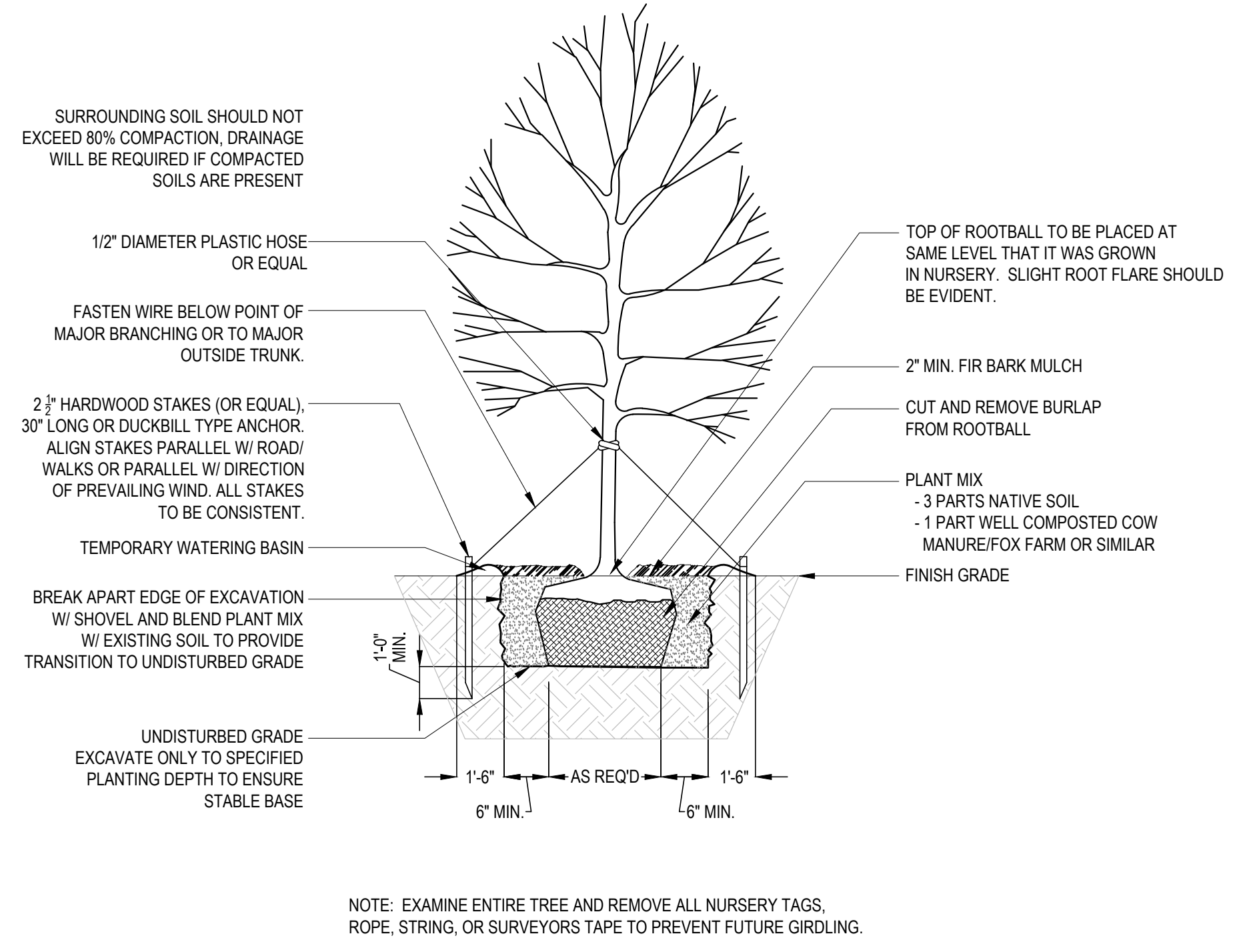
VEGETATED SEZ PROTECTION BARRIER

3



SPLIT RAIL FENCE

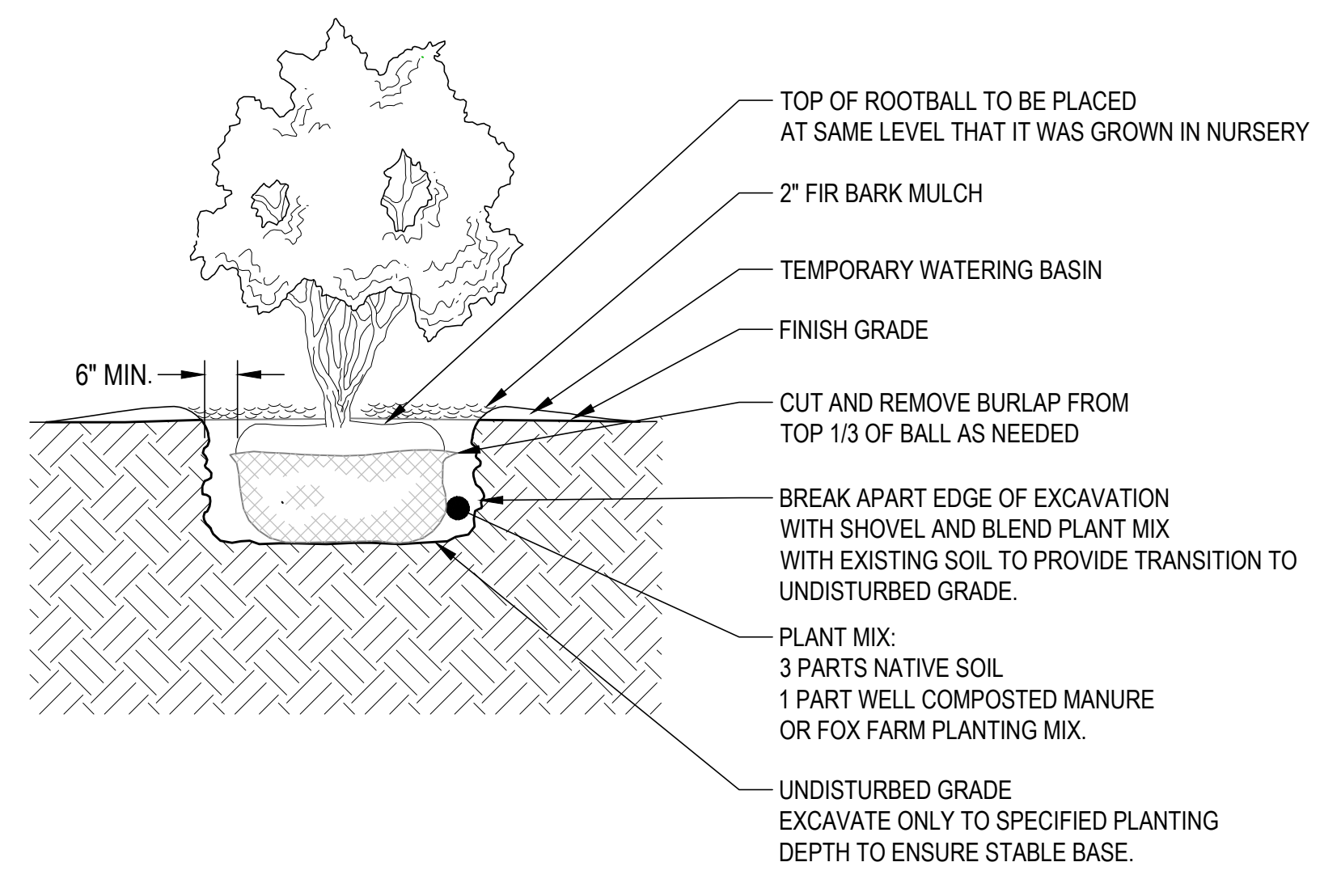
4



NOTE: EXAMINE ENTIRE TREE AND REMOVE ALL NURSERY TAGS, ROPE, STRING, OR SURVEYORS TAPE TO PREVENT FUTURE GIRDLING.

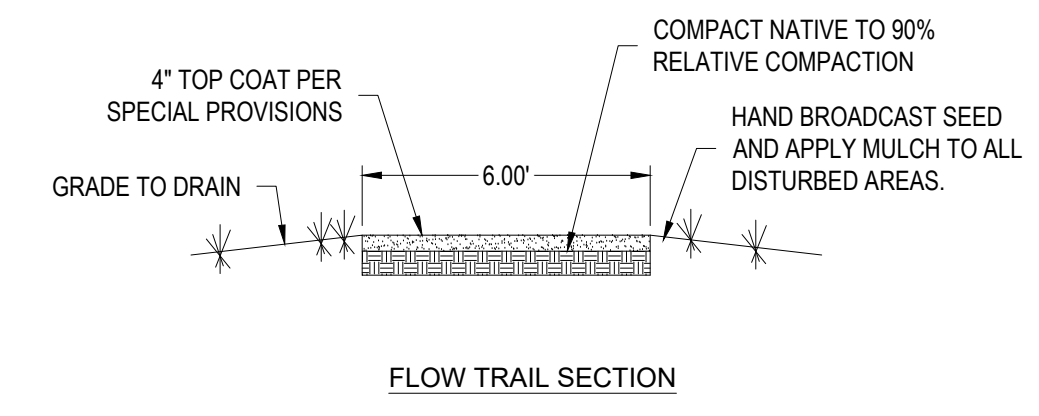
TREE PLANTING

1

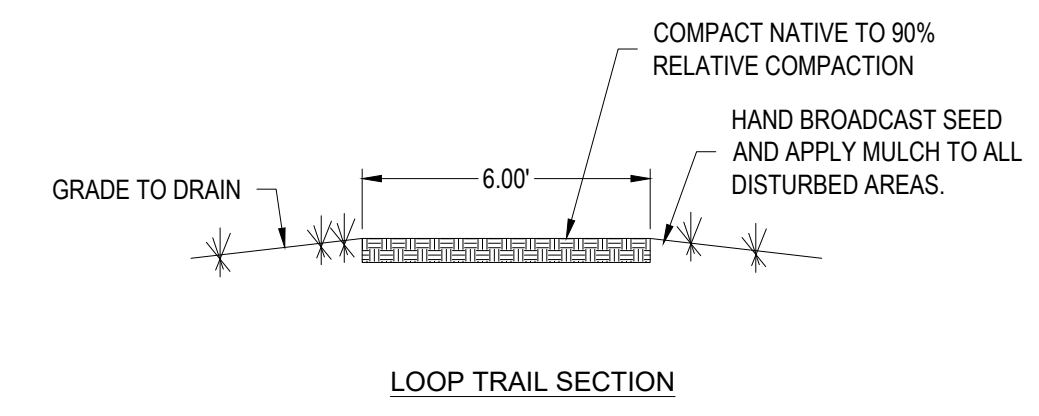


SHRUB PLANTING

2



FLOW TRAIL SECTION

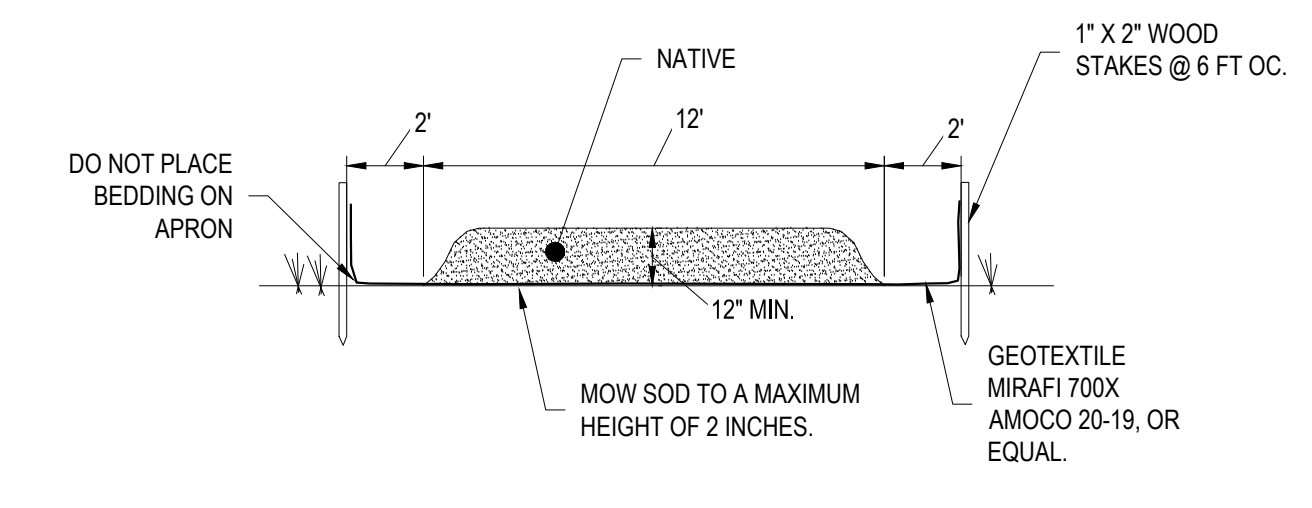


LOOP TRAIL SECTION

- NOTES:
1. CLEAR AND GRUB LIMITS OF TRAILS AS SHOWN ON THE PLANS. REMOVE DELETERIOUS MATERIAL AND ROCKS GREATER THAN 3 INCHES IN DIAMETER.
 2. ALL DISTURBED AREAS SHALL BE SCARIFIED TO A DEPTH OF 6 INCHES AND RE-VEGETATED PER PROJECT SPECIFICATIONS AND TRPA REQUIREMENTS.

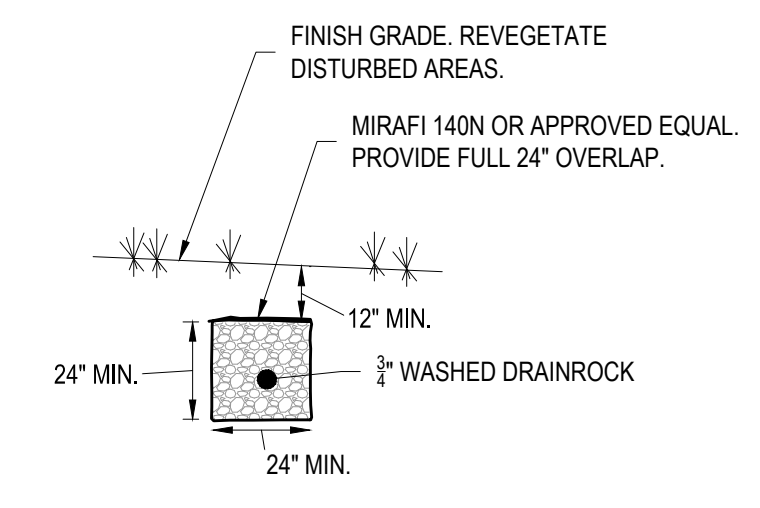
TRAIL SECTION

5



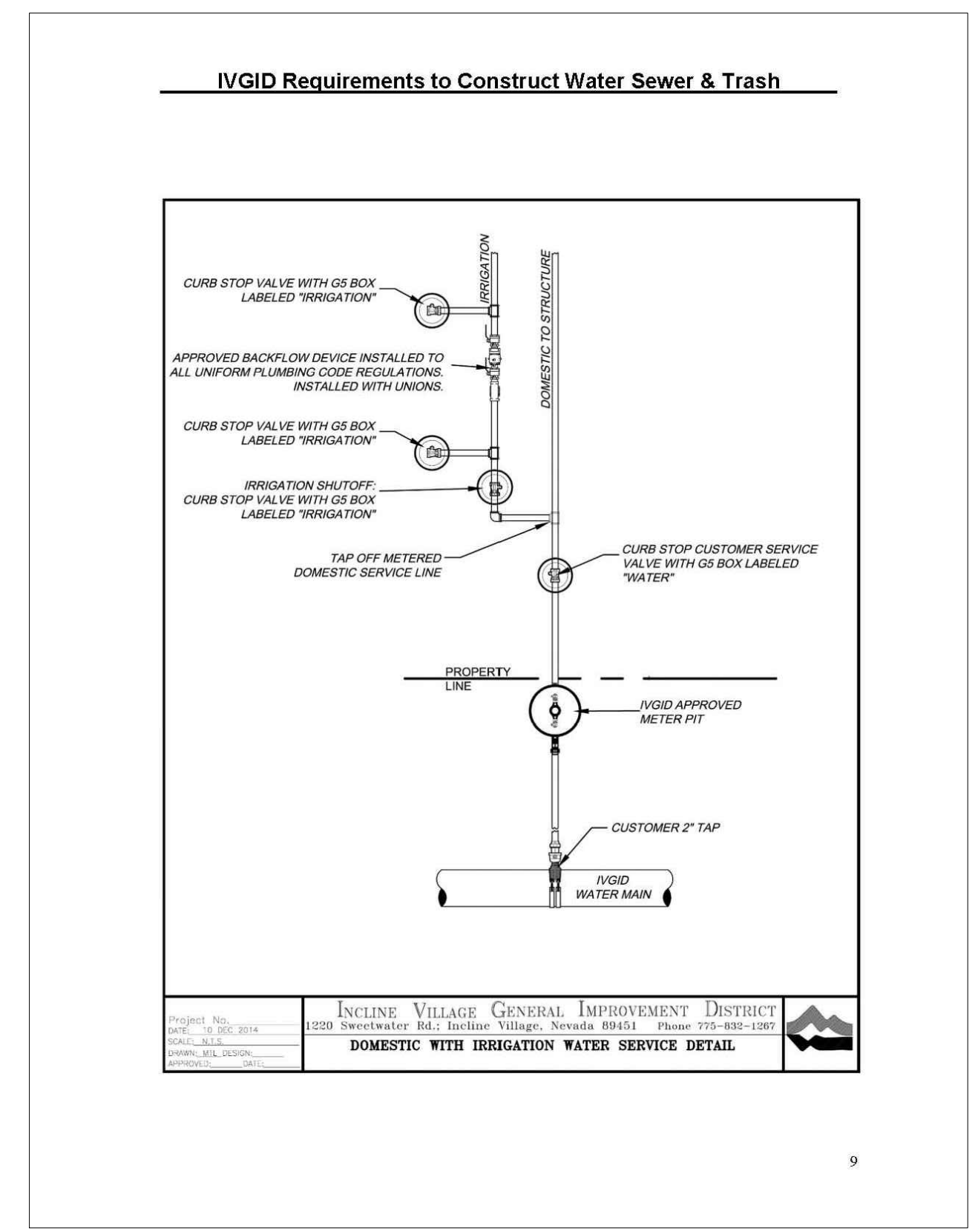
SEZ CROSSING (NIC)

6



SUBSURFACE INFILTRATION AREA

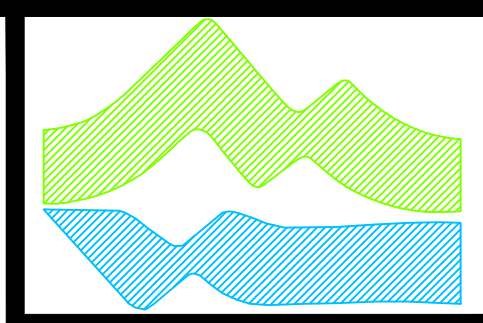
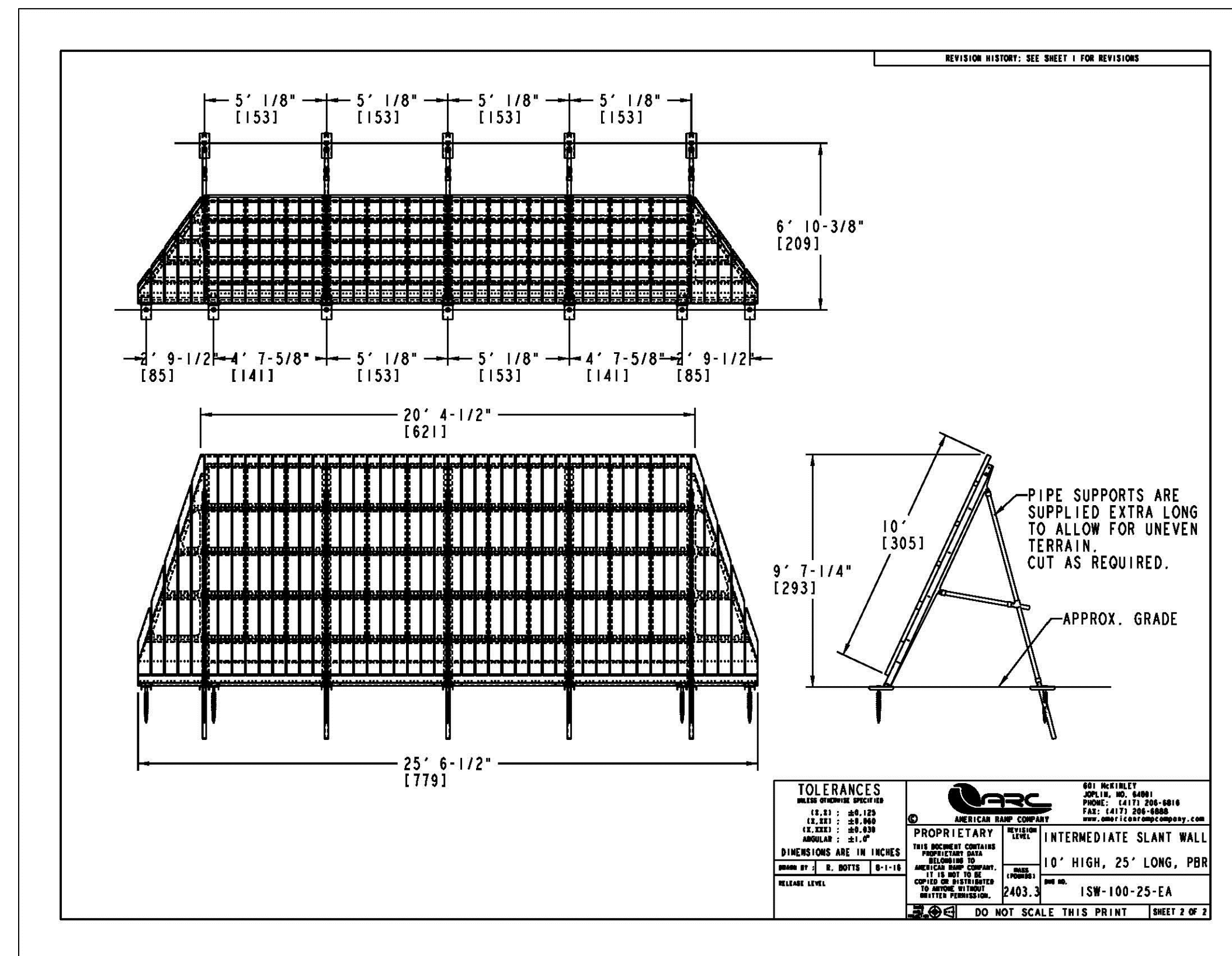
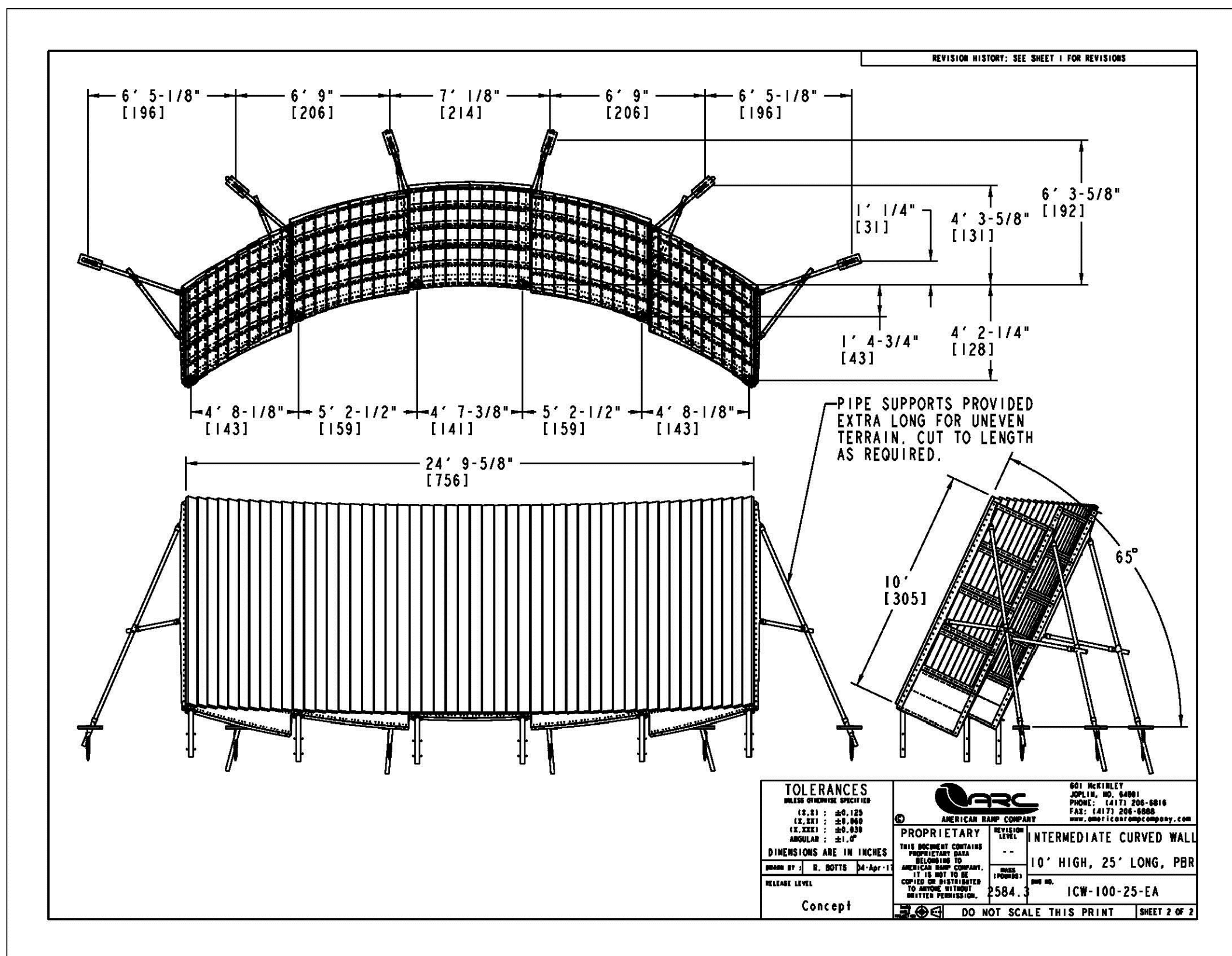
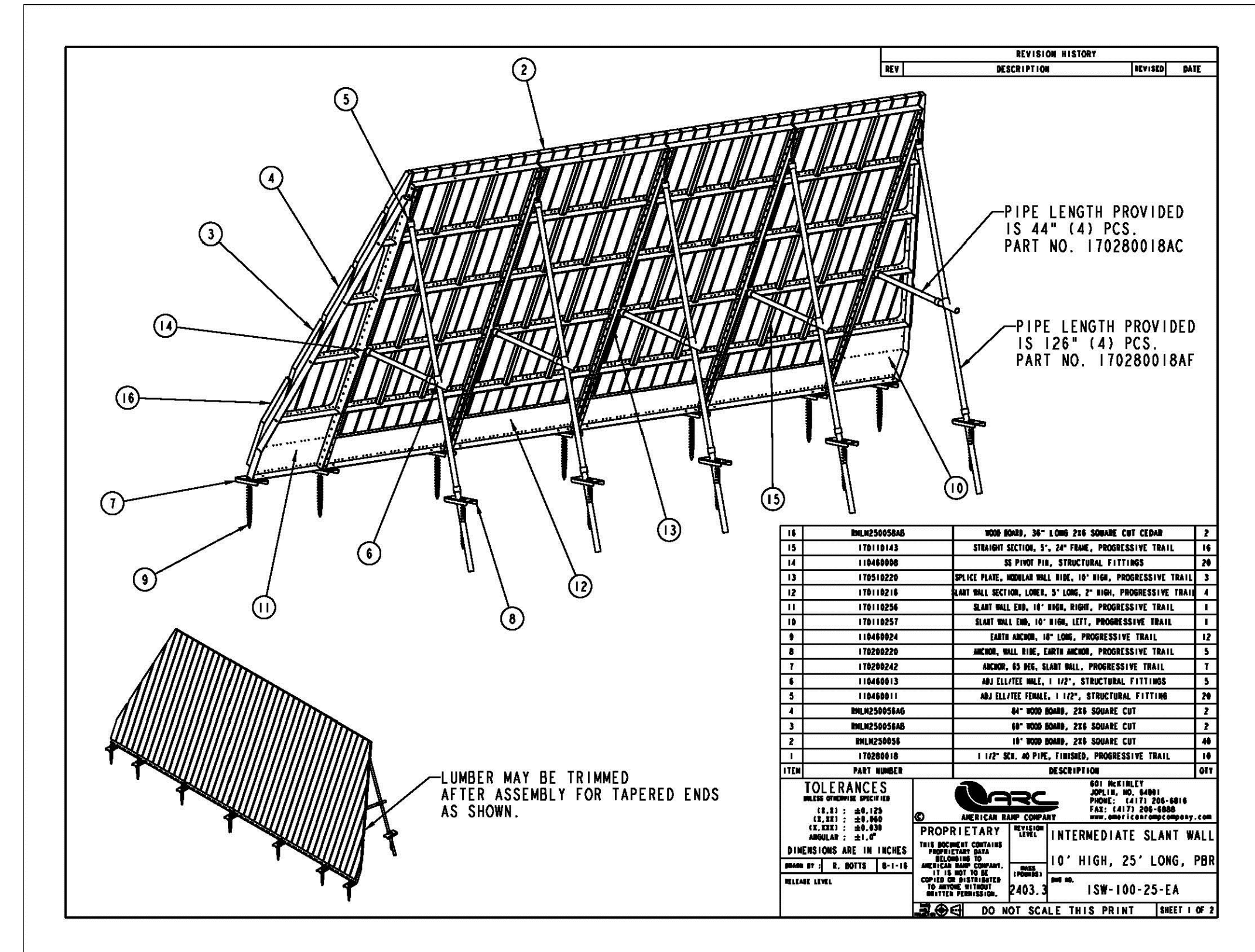
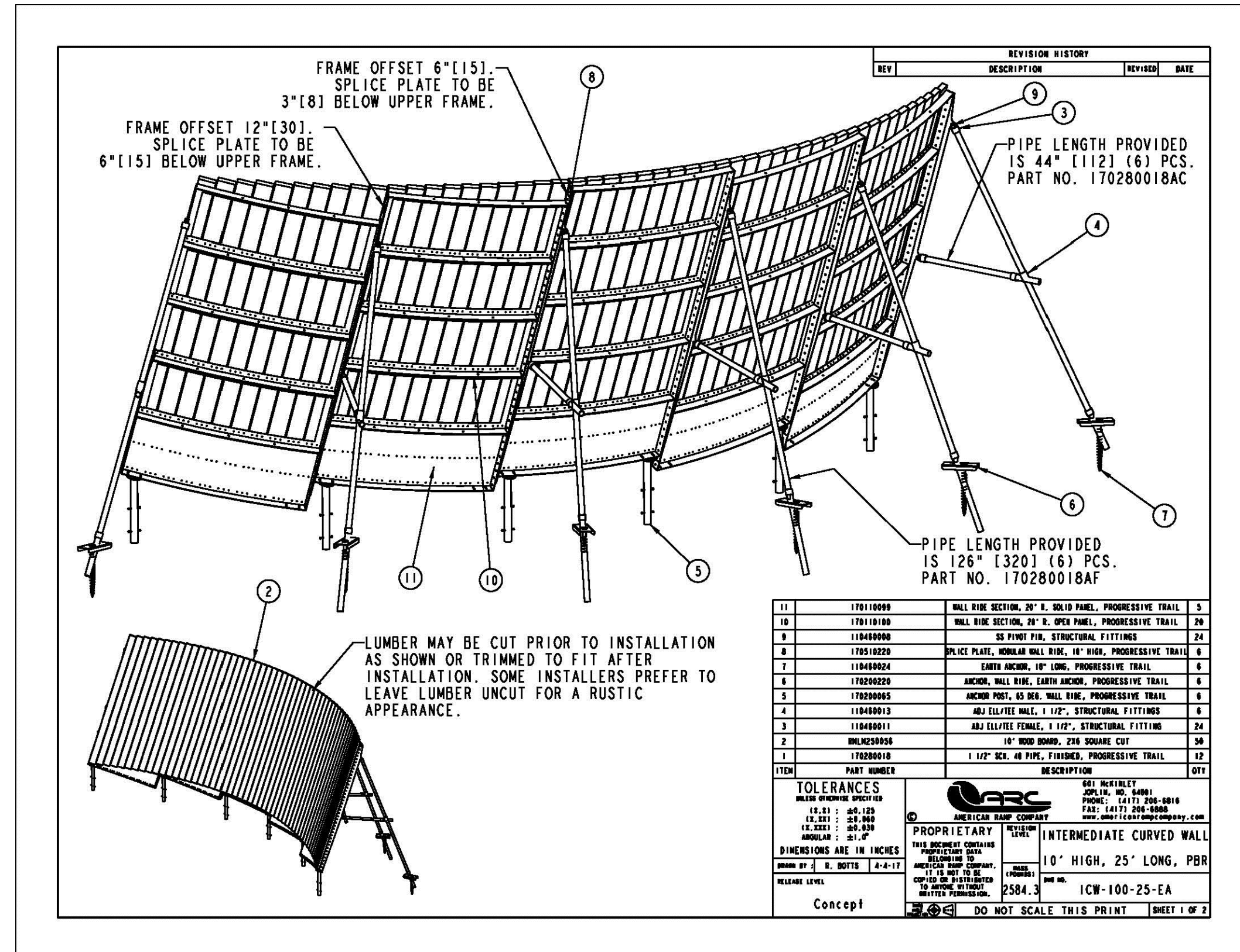
7



NOTE: METER NOT REQUIRED.

WATER SERVICE CONNECTION

7



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