

# Site Plans

Issued for	Review
Date Issued	September 24, 2021
Latest Issue	September 24, 2021

## Sugarloaf West Mountain Development

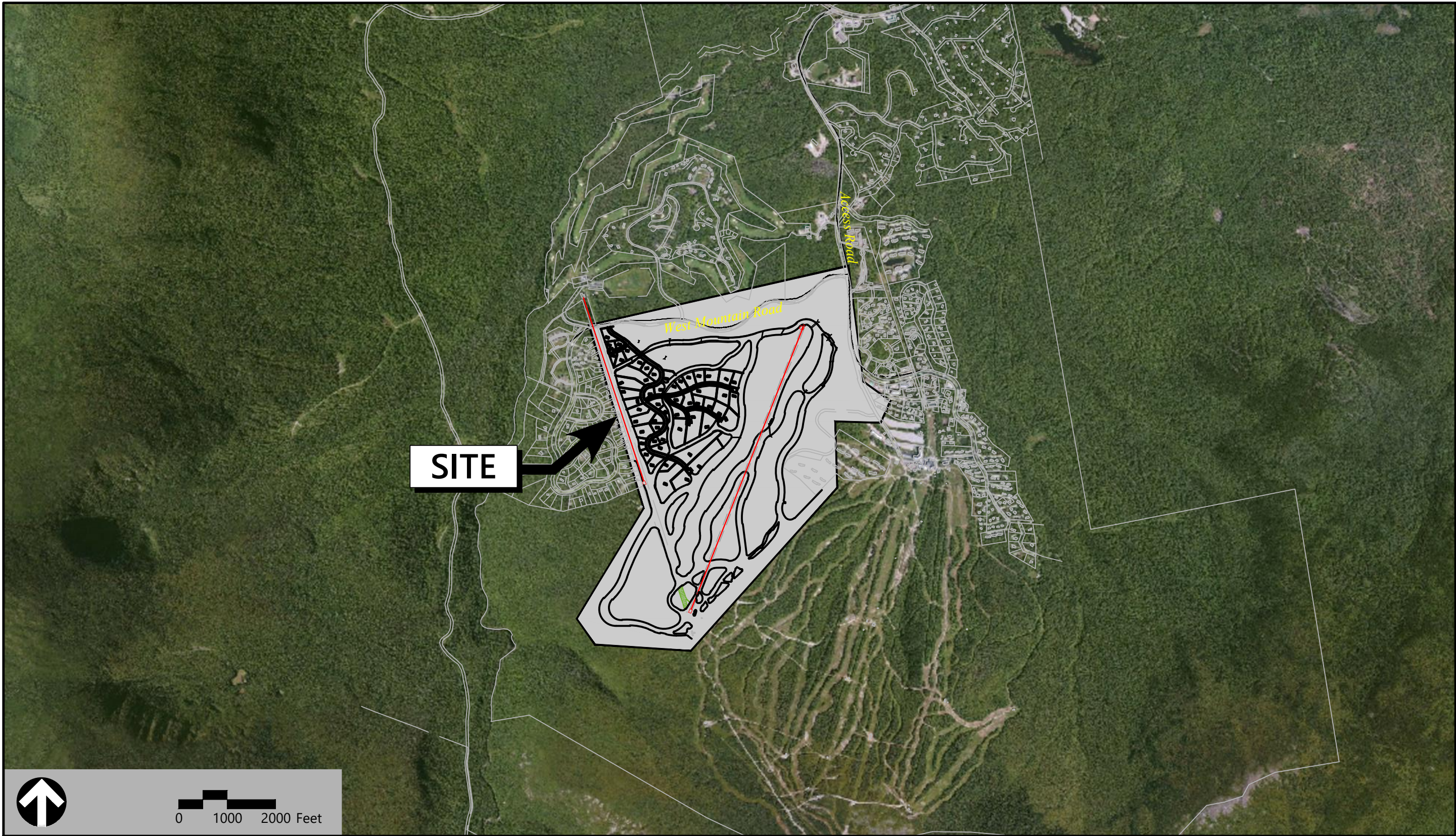
5092 Sugarloaf Access Road  
Carrabassett Valley, ME 04947

### Owner

Sugarloaf Mountain Corporation  
c/o Boyne USA, Inc.  
3951 Charlevoix Avenue  
Petoskey, MI 49770

### Applicant

Sugarloaf Mountain Corporation  
c/o Boyne USA, Inc.  
3951 Charlevoix Avenue  
Petoskey, MI 49770

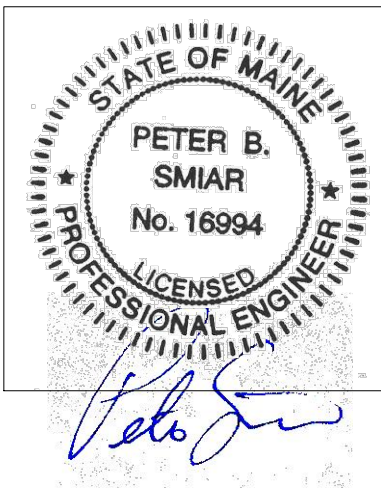


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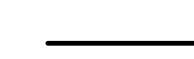
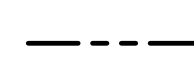

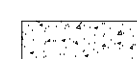





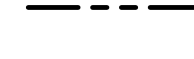



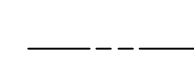



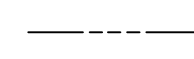
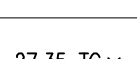
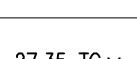

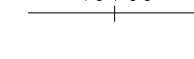

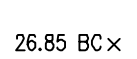



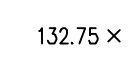
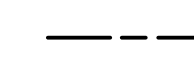


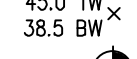
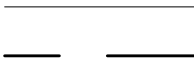
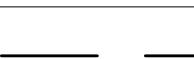


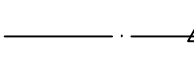
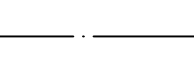


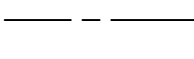
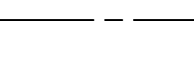
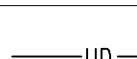
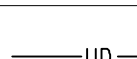
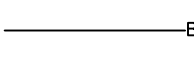
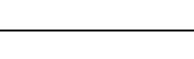
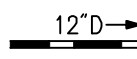
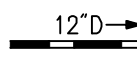
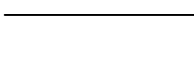
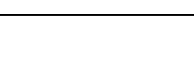

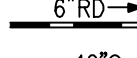






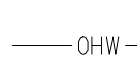
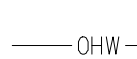

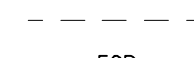

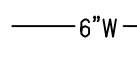

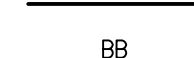
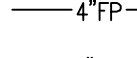
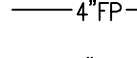

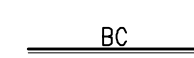

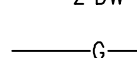

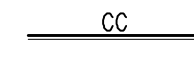

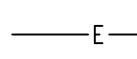

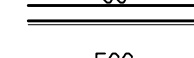
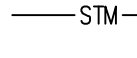
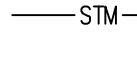



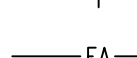

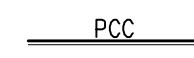

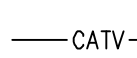
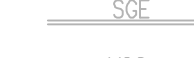
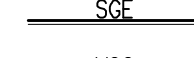



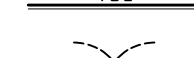



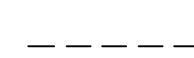



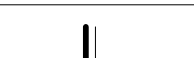
























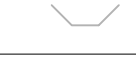
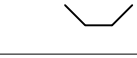

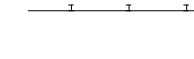







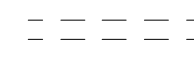







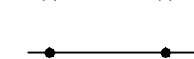



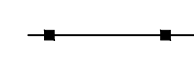



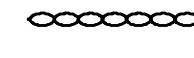







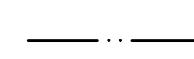



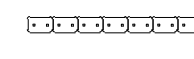
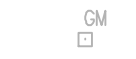


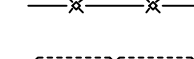





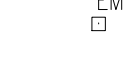

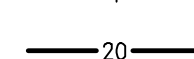



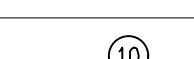



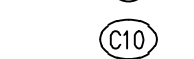

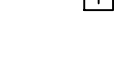

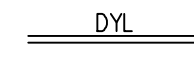



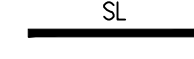







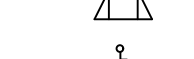

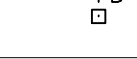

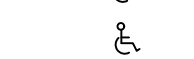

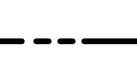








































### Reference Drawings

SD-1 through SD-8 Subdivision Plan of Land, by VHB, Dated August 20, 2021





Legend

Exist.	Prop.		Exist.	Prop.	
		PROPERTY LINE			CONCRETE
		PROJECT LIMIT LINE			HEAVY DUTY PAVEMENT
		RIGHT-OF-WAY/PROPERTY LINE			BUILDINGS
		EASEMENT			RIPRAP
		BUILDING SETBACK			CONSTRUCTION EXIT
		PARKING SETBACK			TOP OF CURB ELEVATION
		BASELINE			BOTTOM OF CURB ELEVATION
		CONSTRUCTION LAYOUT			SPOT ELEVATION
		ZONING LINE			TOP & BOTTOM OF WALL ELEVATION
		TOWN LINE			BORING LOCATION
		LIMIT OF DISTURBANCE			TEST PIT LOCATION
		WETLAND LINE WITH FLAG			MONITORING WELL
		FLOODPLAIN			UNDERDRAIN
		BORDERING LAND SUBJECT TO FLOODING			DRAIN
		WETLAND BUFFER ZONE			ROOF DRAIN
		NO DISTURB ZONE			SEWER
		200' RIVERFRONT AREA			FORCE MAIN
		GRAVEL ROAD			OVERHEAD WIRE
		EDGE OF PAVEMENT			WATER
		BITUMINOUS BERM			FIRE PROTECTION
		BITUMINOUS CURB			DOMESTIC WATER
		CONCRETE CURB			GAS
		CURB AND GUTTER			ELECTRIC
		EXTRUDED CONCRETE CURB			STEAM
		MONOLITHIC CONCRETE CURB			TELEPHONE
		PRECAST CONC. CURB			FIRE ALARM
		SLOPED GRAN. EDGING			CABLE TV
		VERT. GRAN. CURB			CATCH BASIN CONCENTRIC
		LIMIT OF CURB TYPE			CATCH BASIN ECCENTRIC
		SAWCUT			DOUBLE CATCH BASIN CONCENTRIC
		BUILDING			DOUBLE CATCH BASIN ECCENTRIC
		BUILDING ENTRANCE			GUTTER INLET
		LOADING DOCK			DRAIN MANHOLE CONCENTRIC
		BOLLARD			DRAIN MANHOLE ECCENTRIC
		DUMPSTER PAD			TRENCH DRAIN
		SIGN			PLUG OR CAP
		DOUBLE SIGN			CLEANOUT
		STEEL GUARDRAIL			FLARED END SECTION
		WOOD GUARDRAIL			HEADWALL
		PATH			SEWER MANHOLE CONCENTRIC
		TREE LINE			SEWER MANHOLE ECCENTRIC
		WIRE FENCE			CURB STOP & BOX
		FENCE			WATER VALVE & BOX
		STOCKADE FENCE			TAPPING SLEEVE, VALVE & BOX
		STONE WALL			FIRE DEPARTMENT CONNECTION
		RETAINING WALL			FIRE HYDRANT
		STREAM / POND / WATER COURSE			WATER METER
		DETENTION BASIN			POST INDICATOR VALVE
		HAY BALES			WATER WELL
		SILT FENCE			GAS GATE
		SILT SOCK / STRAW WATTLE			GAS METER
		MINOR CONTOUR			ELECTRIC MANHOLE
		MAJOR CONTOUR			ELECTRIC METER
		PARKING COUNT			LIGHT POLE
		COMPACT PARKING STALLS			TELEPHONE MANHOLE
		DOUBLE YELLOW LINE			TRANSFORMER PAD
		STOP LINE			UTILITY POLE
		CROSSWALK			GUY POLE
		ACCESSIBLE CURB RAMP			GUY WIRE & ANCHOR
		ACCESSIBLE PARKING			HAND HOLE
		VAN-ACCESSIBLE PARKING			PULL BOX
		MATCHLINE			MATCHLINE

Abbreviations

General	
ABAN	ABANDON
ACR	ACCESSIBLE CURB RAMP
ADJ	ADJUST
APPROX	APPROXIMATE
BIT	BITUMINOUS
BS	BOTTOM OF SLOPE
BWLL	BROKEN WHITE LANE LINE
CONC	CONCRETE
DYCL	DOUBLE YELLOW CENTER LINE
EL	ELEVATION
ELEV	ELEVATION
EX	EXISTING
FDN	FOUNDATION
FFE	FIRST FLOOR ELEVATION
GRAN	GRANITE
GTD	GRADE TO DRAIN
LA	LANDSCAPE AREA
LOD	LIMIT OF DISTURBANCE
MAX	MAXIMUM
MIN	MINIMUM
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
PERF	PERFORATED
PROP	PROPOSED
REM	REMOVE
RET	RETAIN
R&D	REMOVE AND DISPOSE
R&R	REMOVE AND RESET
SWEL	SOLID WHITE EDGE LINE
SWLL	SOLID WHITE LANE LINE
TS	TOP OF SLOPE
TYP	TYPICAL
Utility	
CB	CATCH BASIN
CMP	CORRUGATED METAL PIPE
CO	CLEANOUT
DCB	DOUBLE CATCH BASIN
DMH	DRAIN MANHOLE
CIP	CAST IRON PIPE
COND	CONDUIT
DIP	DUCTILE IRON PIPE
FES	FLARED END SECTION
FM	FORCE MAIN
F&G	FRAME AND GRATE
F&C	FRAME AND COVER
GI	GUTTER INLET
GT	GREASE TRAP
HDPE	HIGH DENSITY POLYETHYLENE PIPE
HH	HANDHOLE
HW	HEADWALL
HYD	HYDRANT
INV	INVERT ELEVATION
I=	INVERT ELEVATION
LP	LIGHT POLE
MES	METAL END SECTION
PIV	POST INDICATOR VALVE
PWW	PAVED WATER WAY
PVC	POLYVINYLCHLORIDE PIPE
RCP	REINFORCED CONCRETE PIPE
R=	RIM ELEVATION
RIM=	RIM ELEVATION
SMH	SEWER MANHOLE
TSV	TAPPING SLEEVE, VALVE AND BOX
UG	UNDERGROUND
UP	UTILITY POLE

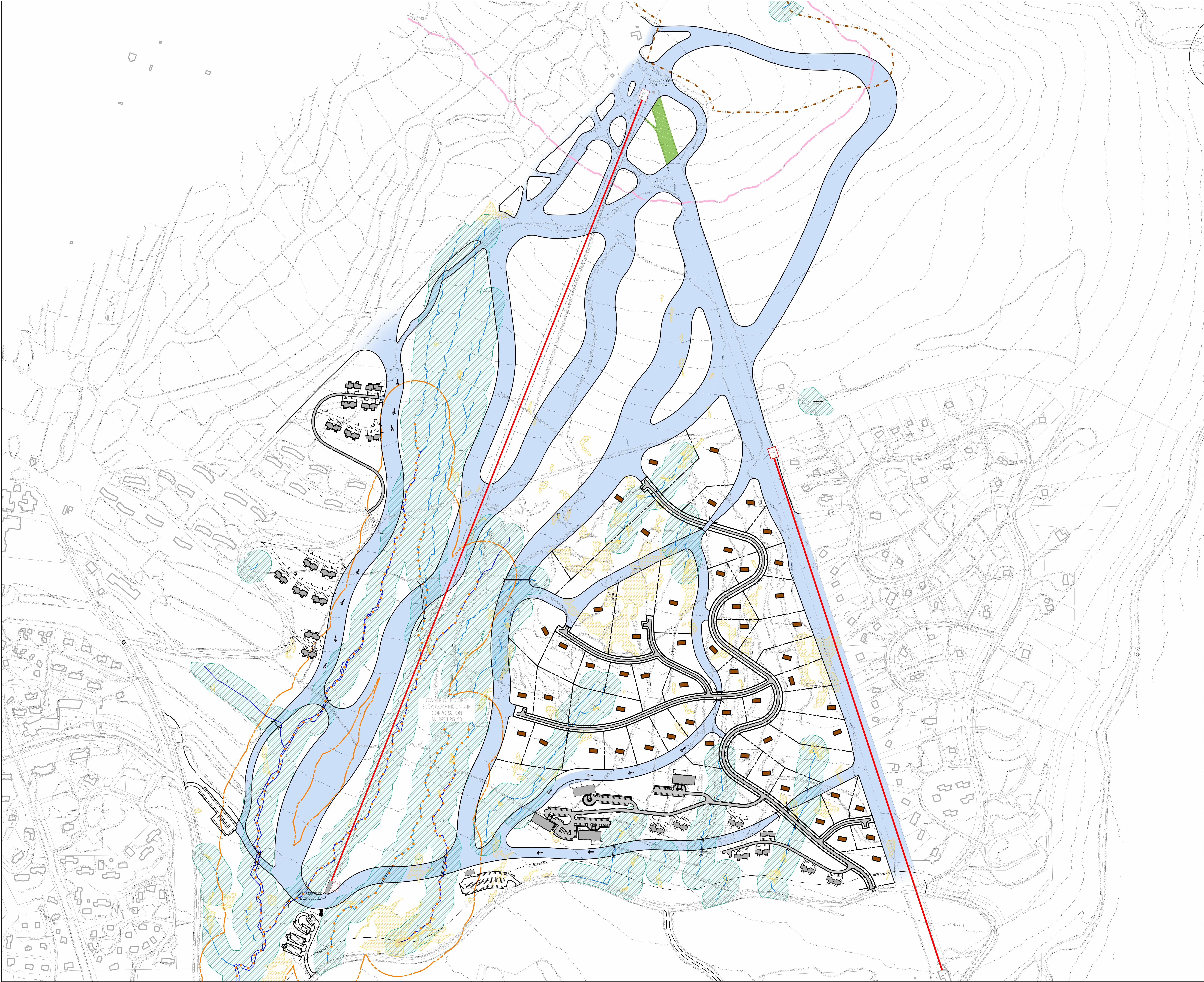
Notes

- General**
- CONTRACTOR SHALL NOTIFY "DIG-SAFE" (1-888-344-7233) AT LEAST 72 HOURS BEFORE EXCAVATING.
  - CONTRACTOR SHALL BE RESPONSIBLE FOR SITE SECURITY AND JOB SAFETY. CONSTRUCTION ACTIVITIES SHALL BE IN ACCORDANCE WITH OSHA STANDARDS AND LOCAL REQUIREMENTS.
  - ACCESSIBLE ROUTES, PARKING SPACES, RAMPS, SIDEWALKS AND WALKWAYS SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE FEDERAL AMERICANS WITH DISABILITIES ACT AND WITH STATE AND LOCAL LAWS AND REGULATIONS (WHICHEVER ARE MORE STRINGENT).
  - AREAS DISTURBED DURING CONSTRUCTION AND NOT RESTORED WITH IMPERVIOUS SURFACES (BUILDINGS, PAVEMENTS, WALKS, ETC) SHALL RECEIVE (#") INCHES LOAM AND SEED.
  - WITHIN THE LIMITS OF THE BUILDING FOOTPRINT, THE SITE CONTRACTOR SHALL PERFORM EARTHWORK OPERATIONS REQUIRED UP TO SUBGRADE ELEVATIONS.
  - WORK WITHIN THE LOCAL RIGHTS-OF-WAY SHALL CONFORM TO LOCAL MUNICIPAL STANDARDS. WORK WITHIN STATE RIGHTS-OF-WAY SHALL CONFORM TO THE LATEST EDITION OF THE STATE HIGHWAY DEPARTMENTS STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES.
  - UPON AWARD OF CONTRACT, CONTRACTOR SHALL MAKE NECESSARY CONSTRUCTION NOTIFICATIONS AND APPLY FOR AND OBTAIN NECESSARY PERMITS, PAY FEES, AND POST BONDS ASSOCIATED WITH THE WORK INDICATED ON THE DRAWINGS, IN THE SPECIFICATIONS, AND IN THE CONTRACT DOCUMENTS. DO NOT CLOSE OR OBSTRUCT ROADWAYS, SIDEWALKS, AND FIRE HYDRANTS, WITHOUT APPROPRIATE PERMITS.
  - TRAFFIC SIGNAGE AND PAVEMENT MARKINGS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
  - AREAS OUTSIDE THE LIMITS OF THE ALLEGED WORK DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY THE CONTRACTOR TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.
  - IN THE EVENT THAT SUSPECTED 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 OWNER IMMEDIATELY SO THAT THE APPROPRIATE TESTING AND SUBSEQUENT ACTION CAN BE TAKEN.
  - CONTRACTOR SHALL PREVENT DUST, SEDIMENT, AND DEBRIS FROM EXITING THE SITE AND SHALL BE RESPONSIBLE FOR CLEANUP, REPAIRS AND CORRECTIVE ACTION IF SUCH OCCURS.
  - DAMAGE RESULTING FROM CONSTRUCTION LOADS SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO OWNER.
  - CONTRACTOR SHALL CONTROL STORMWATER RUNOFF DURING CONSTRUCTION TO PREVENT ADVERSE IMPACTS TO OFF SITE AREAS, AND SHALL BE RESPONSIBLE TO REPAIR RESULTING DAMAGES, IF ANY, AT NO COST TO OWNER.
  - THIS PROJECT IS SUBJECT TO A PERMIT FROM MAINE DEP. THE CONTRACTOR SHALL READ, BE FAMILIAR WITH, AND SHALL FOLLOW THE MAINE EROSION AND SEDIMENT CONTROL BMPs MANUAL (LATEST EDITION), AND SHALL BE ACCOUNTABLE TO THE THIRD PARTY INSPECTOR FOR THE PROJECT AND THE MAINE DEP IN ACCORDANCE WITH MAINE DEP REGULATIONS.

Utilities

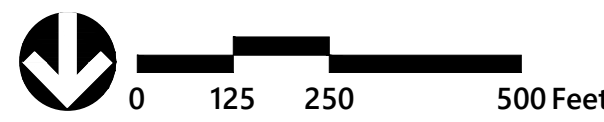
- THE LOCATIONS, SIZES, AND TYPES OF EXISTING UTILITIES ARE SHOWN AS AN APPROXIMATE REPRESENTATION ONLY. THE OWNER OR ITS REPRESENTATIVES HAVE NOT INDEPENDENTLY VERIFIED THIS INFORMATION, AS SHOWN ON THE PLANS. THE UTILITY INFORMATION SHOWN DOES NOT GUARANTEE THE ACTUAL EXISTENCE, SERVICEABILITY, OR 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 UTILITY ROUTES, INCLUDING ROUTES WITHIN THE PUBLIC RIGHTS OF WAY.
- 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 WITHOUT DELAY BY THE CONTRACTOR, AND THE INFORMATION F





LEGEND

- Existing Lift
- Proposed Lift
- Proposed Ski Trail
- Perennial Stream
- Intermittent Stream
- Potential Habitat For Northern Salamander / Roaring Brook Mayfly
- 250ft Buffer - Northern Salamander / Roaring Brook Mayfly
- 100ft Design Buffer to Streams
- Wetlands of Special Significance (VHB)
- Wetlands (VHB)
- Potential Bicknell Thrush Habitat
- Potential Subalpine Fir Forest
- Regrowth Area

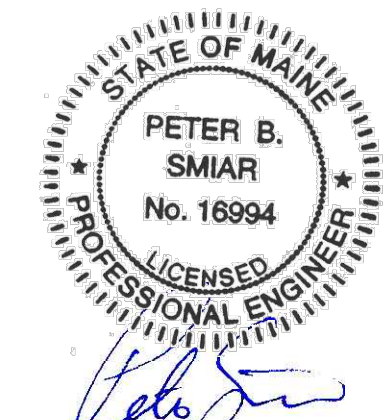


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West Mountain  
Expansion**  
5092 Access Road  
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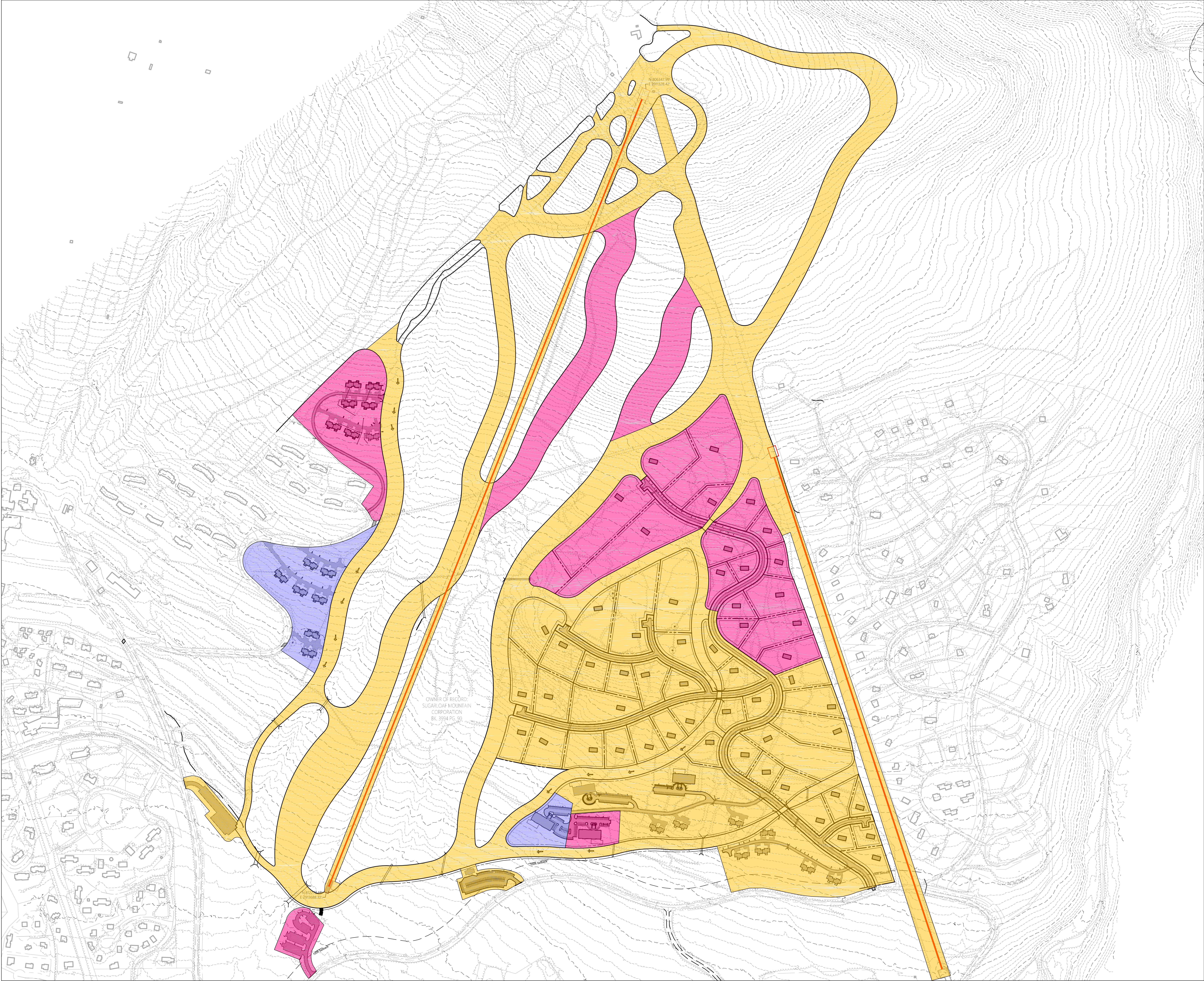
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**Master Plan**



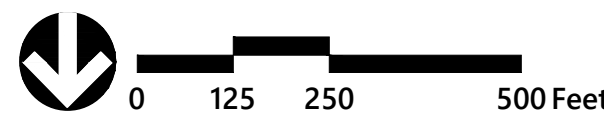
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LEGEND

	Phase One
	Phase Two
	Phase Three



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**Phasing Plan**

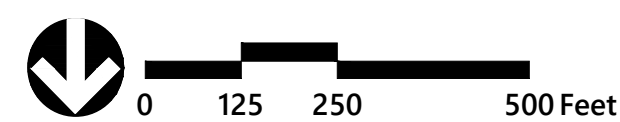
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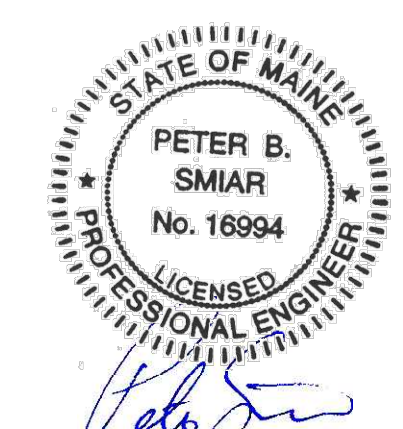
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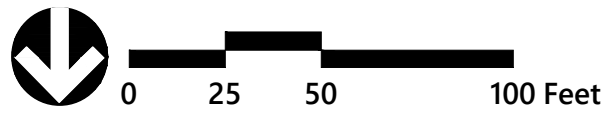
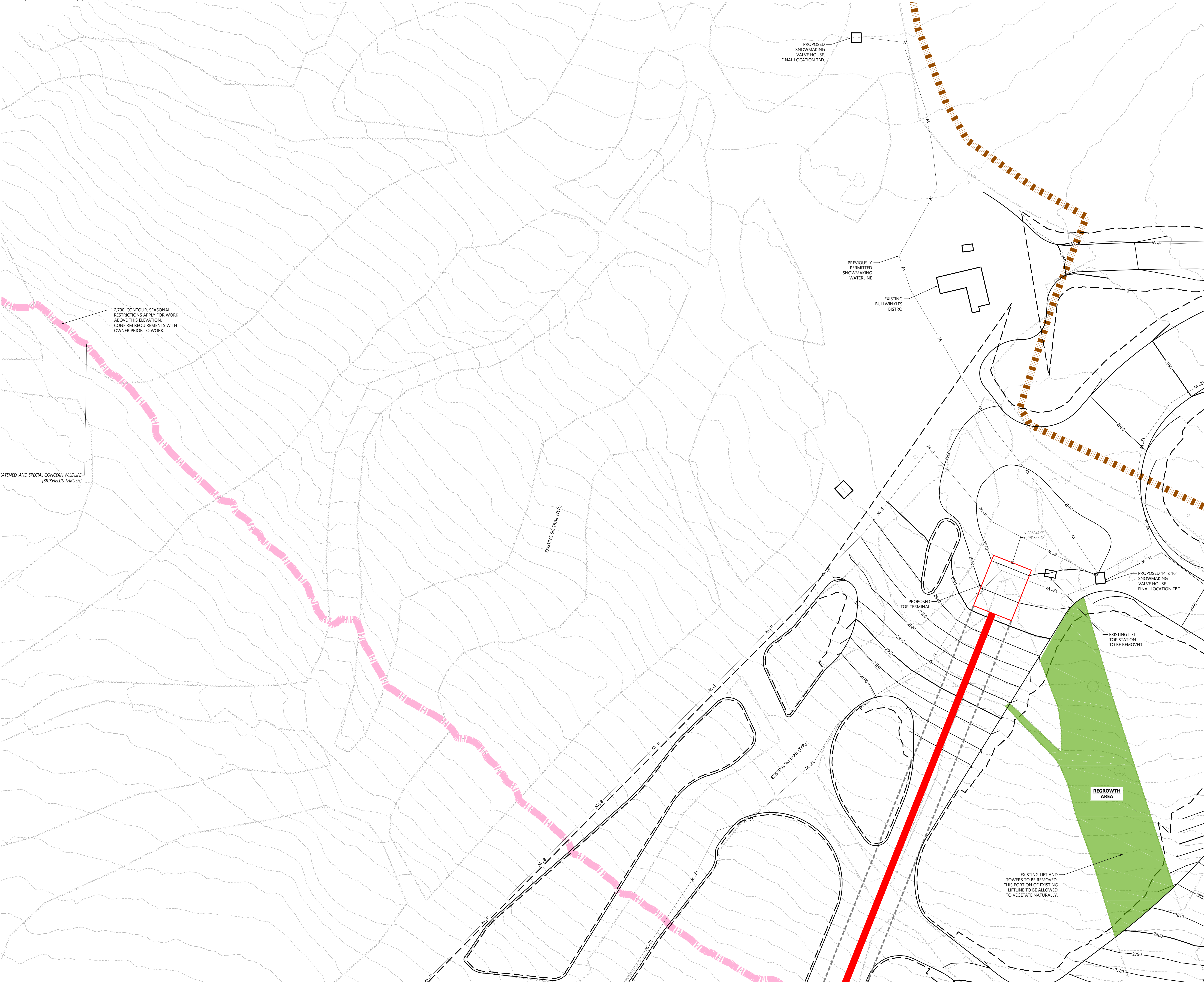


**CG-1.00**

Sheet **58** of **58**

Project Number: **55310.01**





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West Mountain  
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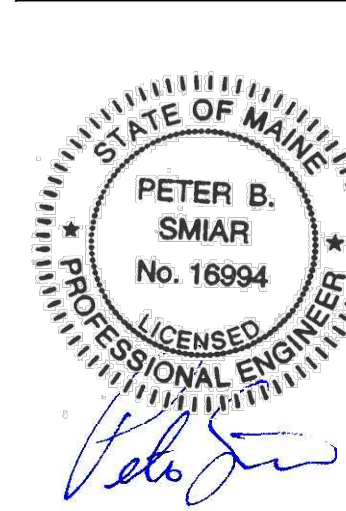
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**Ski Trails Grading**

Drawing Number	CG-1.01
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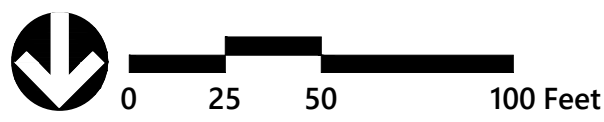
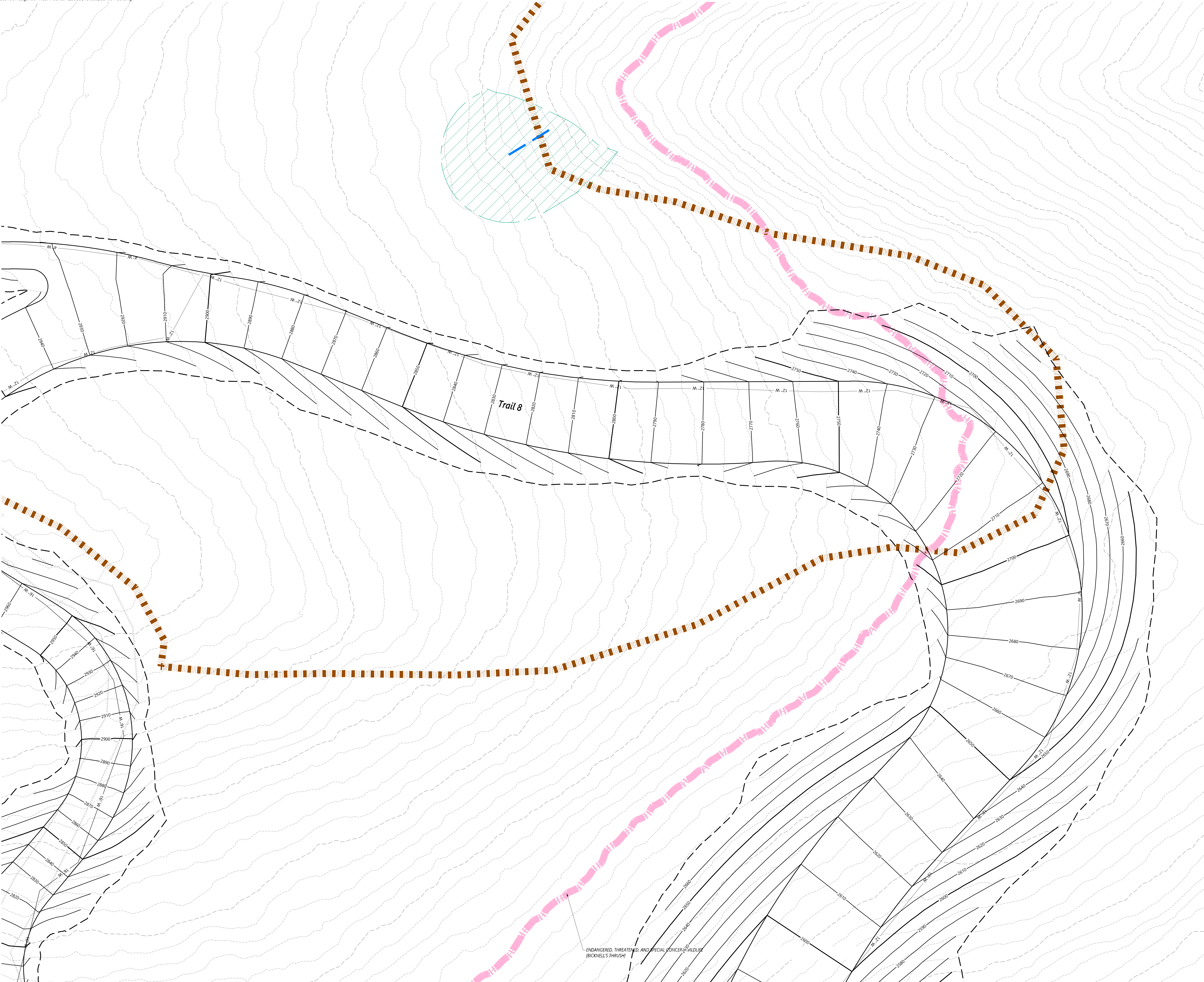


**PETER B. SMIAR**  
No. 18894  
LICENSED PROFESSIONAL ENGINEER  
STATE OF MAINE

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West Mountain  
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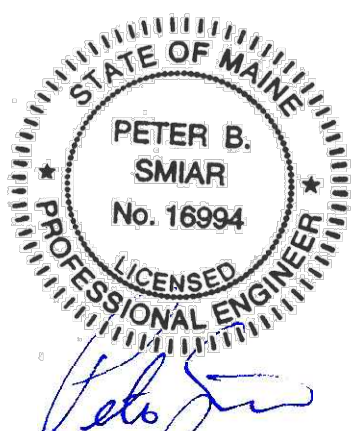
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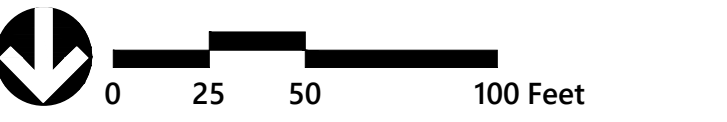


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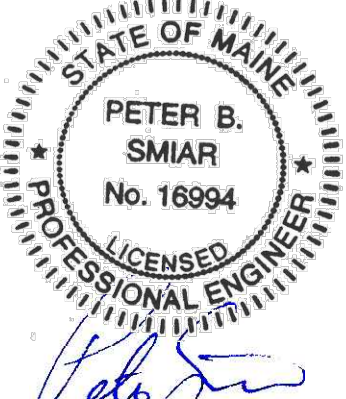


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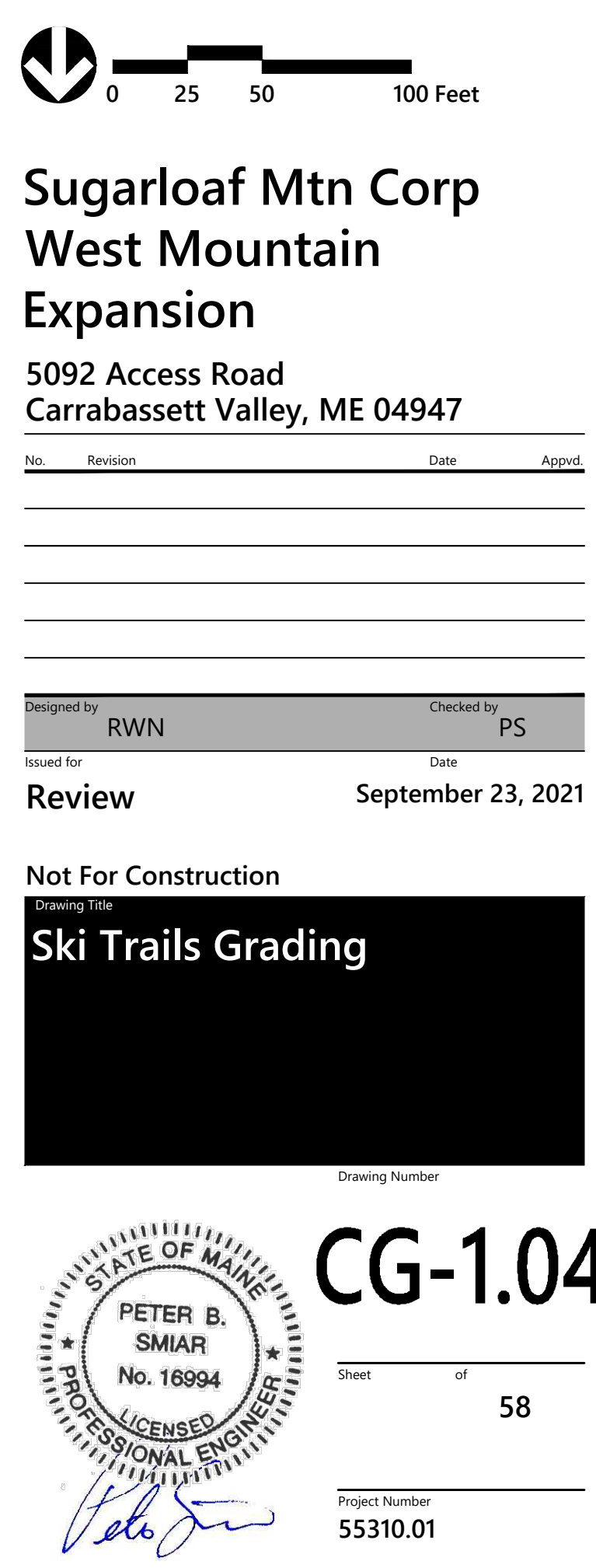


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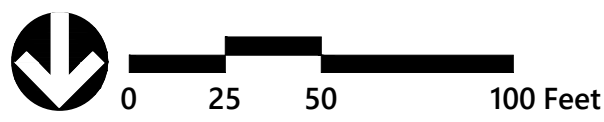
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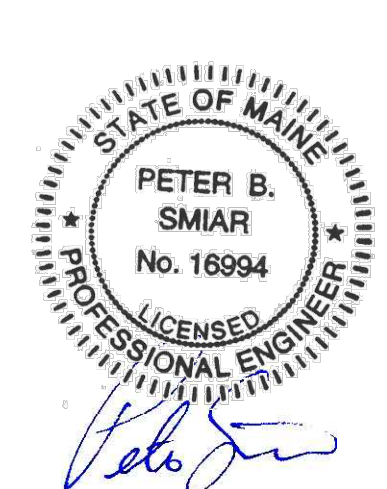
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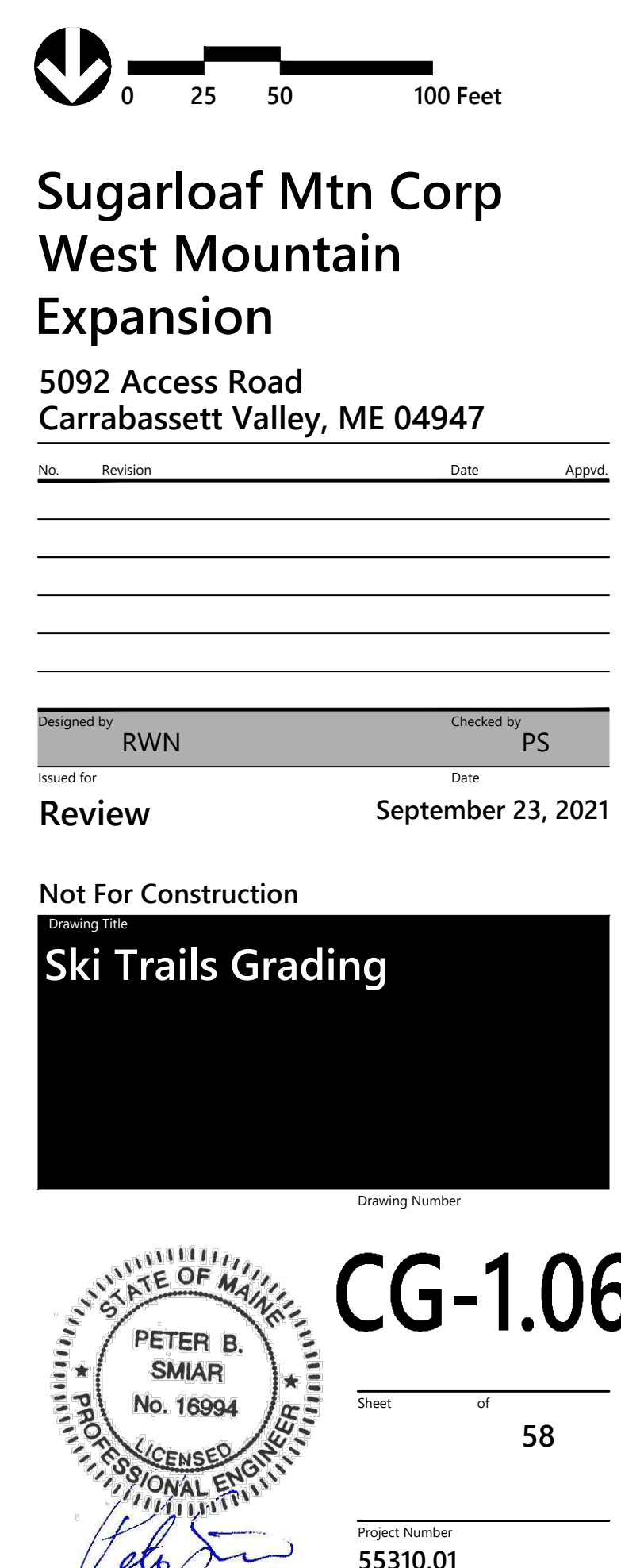


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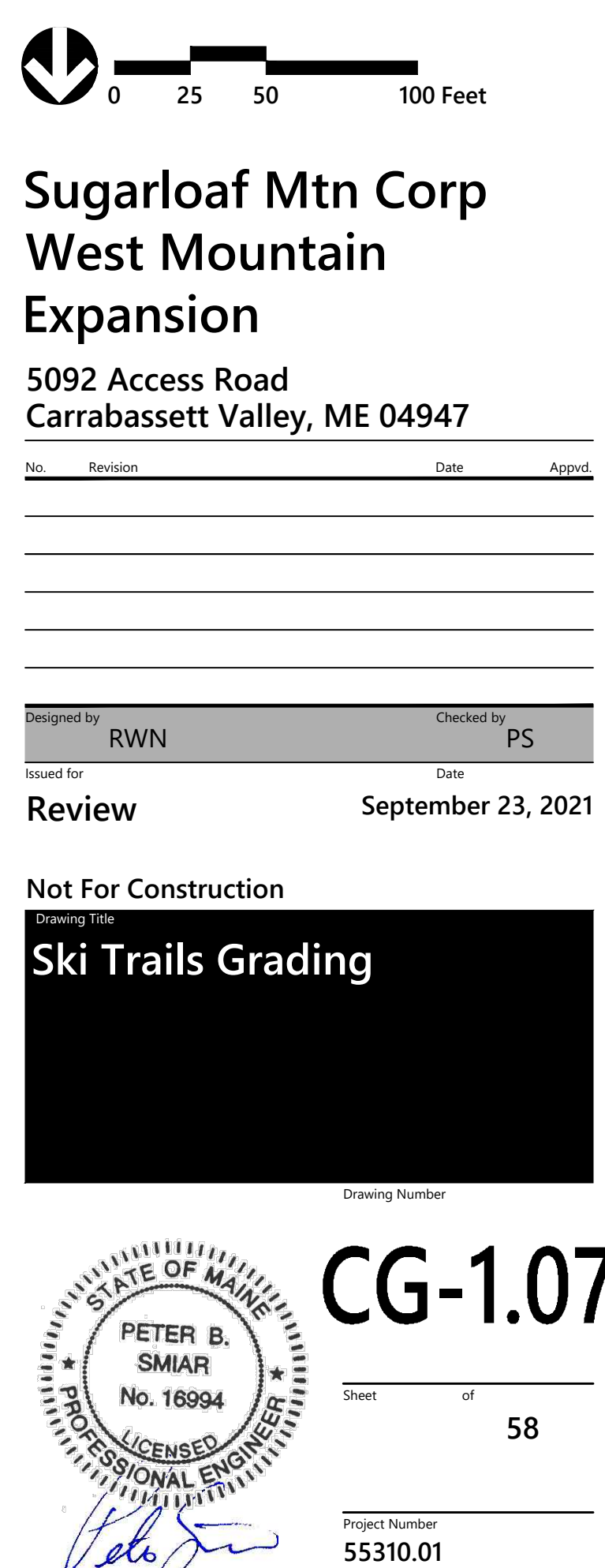
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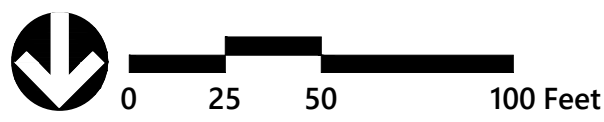
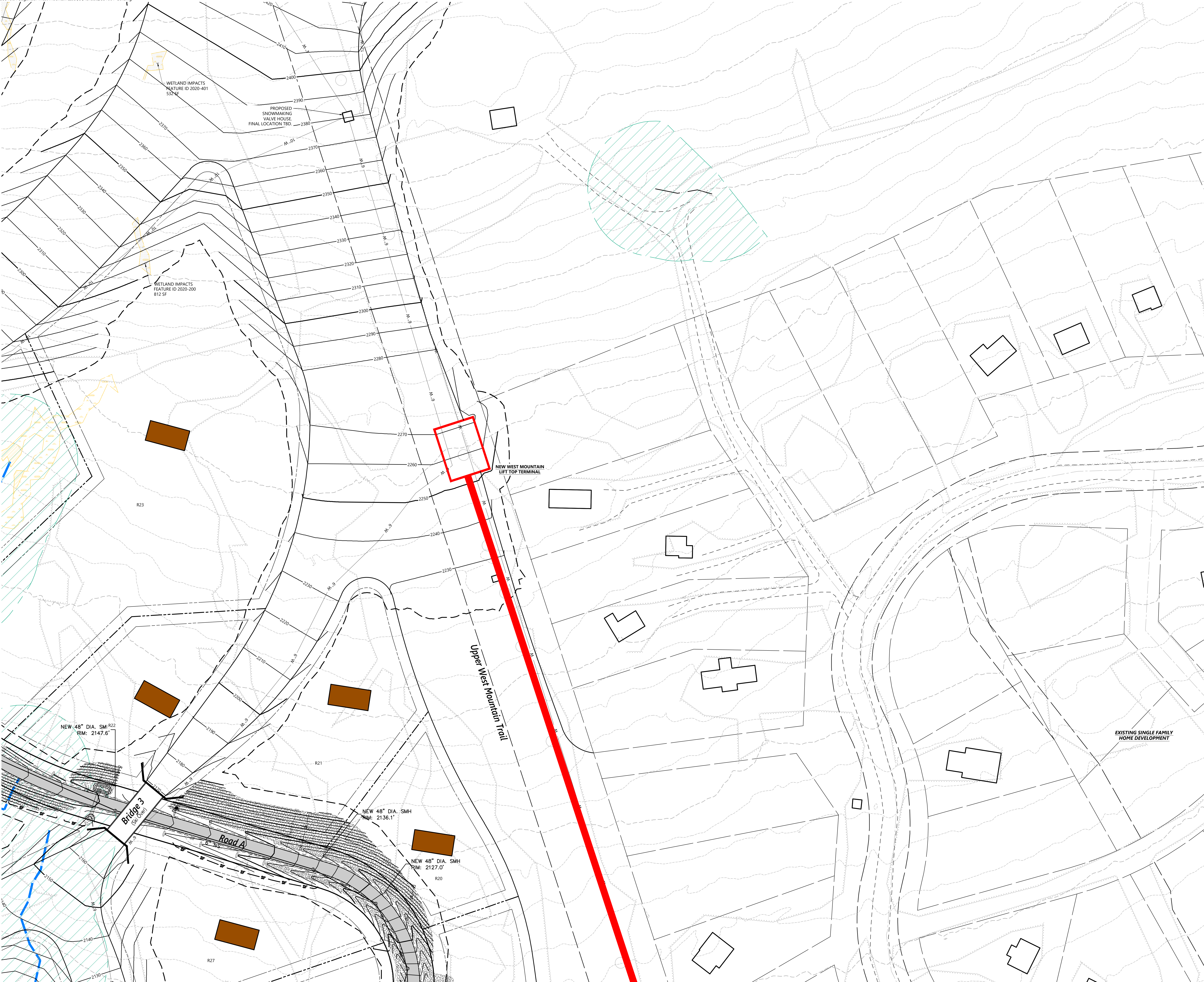












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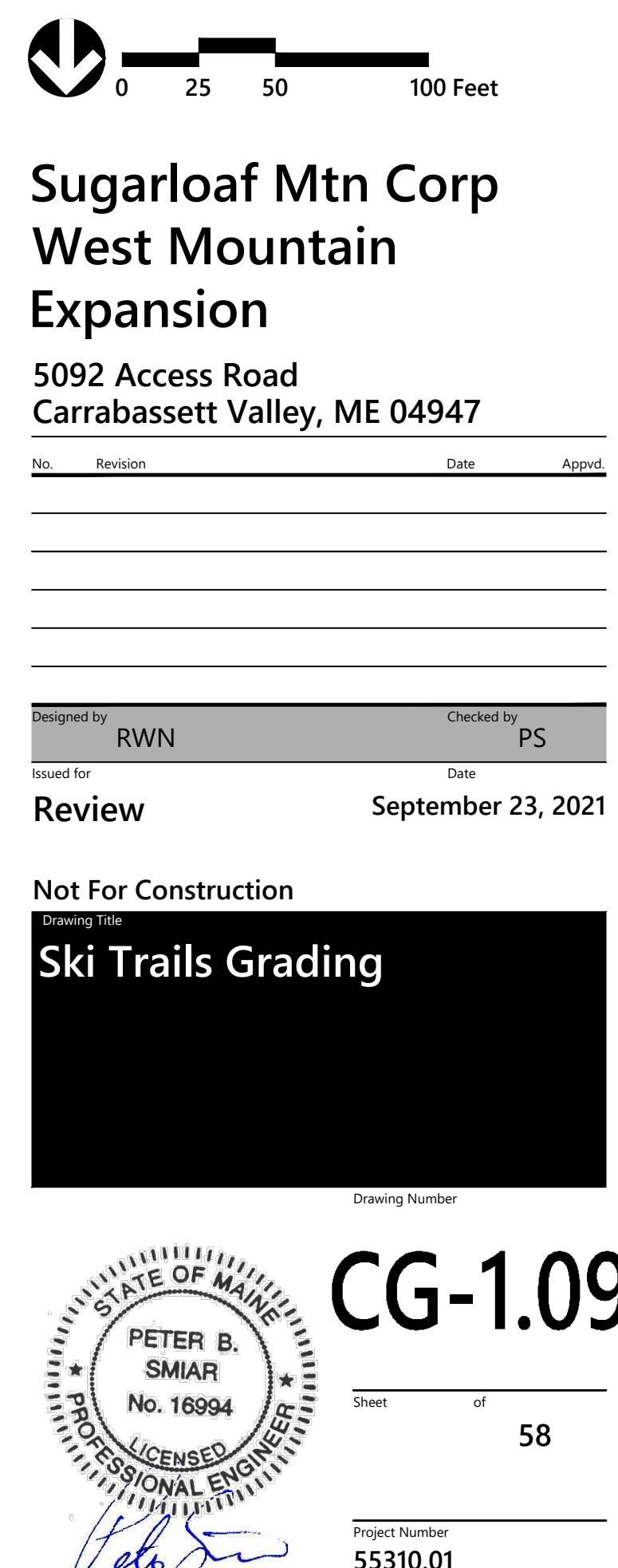
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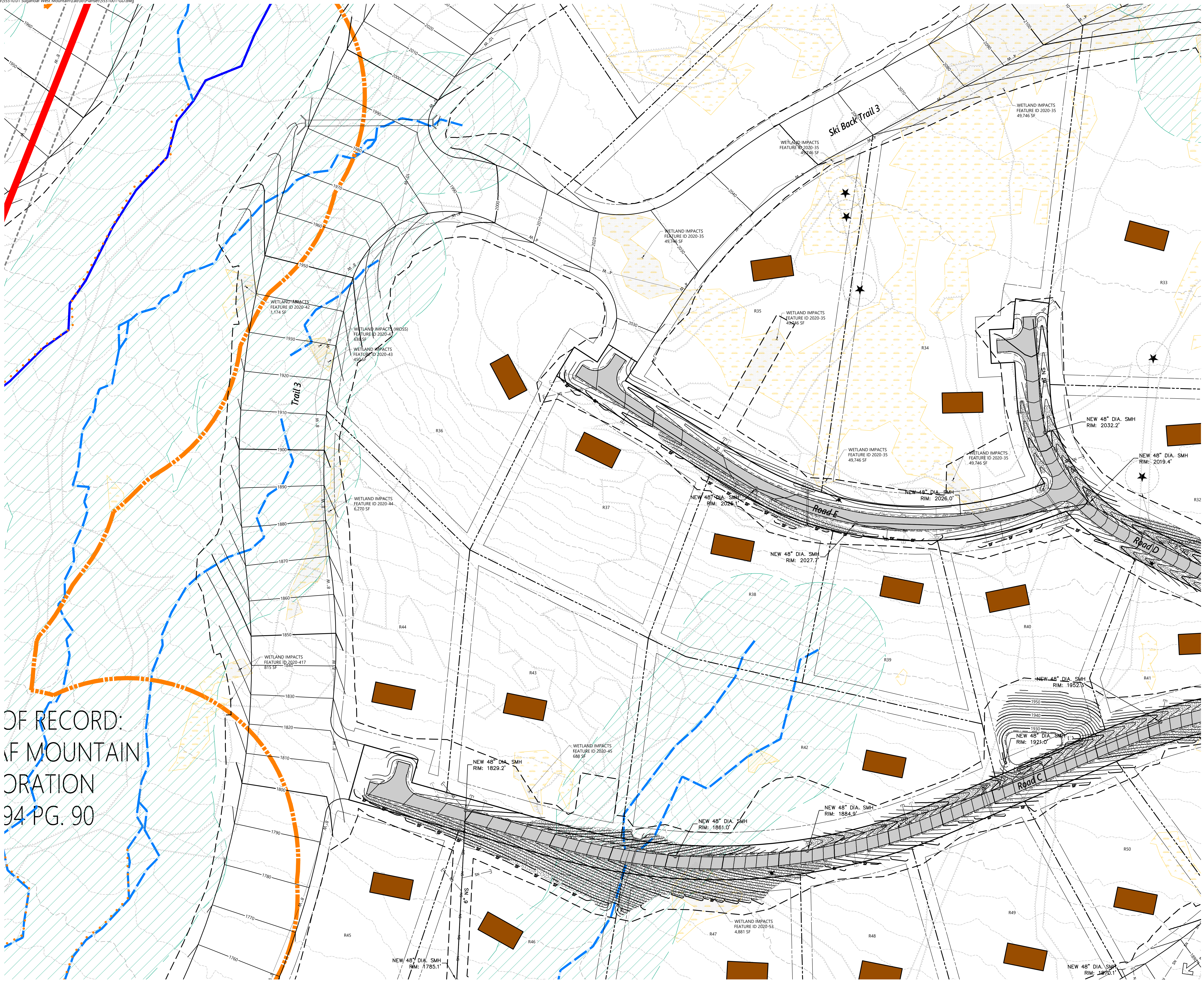
**PETER B. SMAR**  
No. 18994  
LICENSED PROFESSIONAL ENGINEER

*Peter B. Smar*









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ORATION  
94 PG. 90

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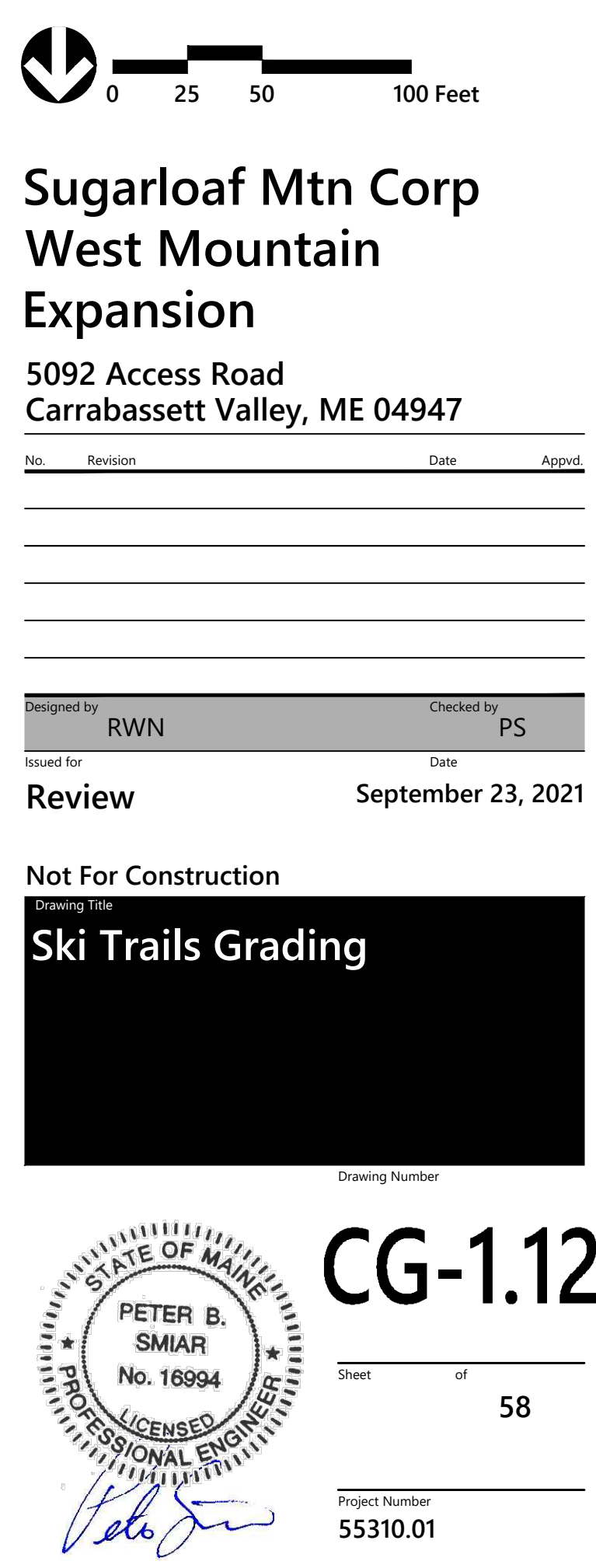
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**PETER B. SMAR**  
No. 18994  
LICENSED PROFESSIONAL ENGINEER  
*Peter B. Smar*

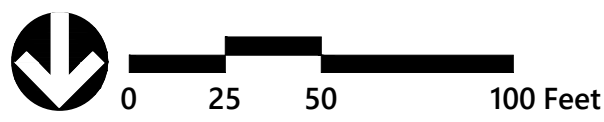
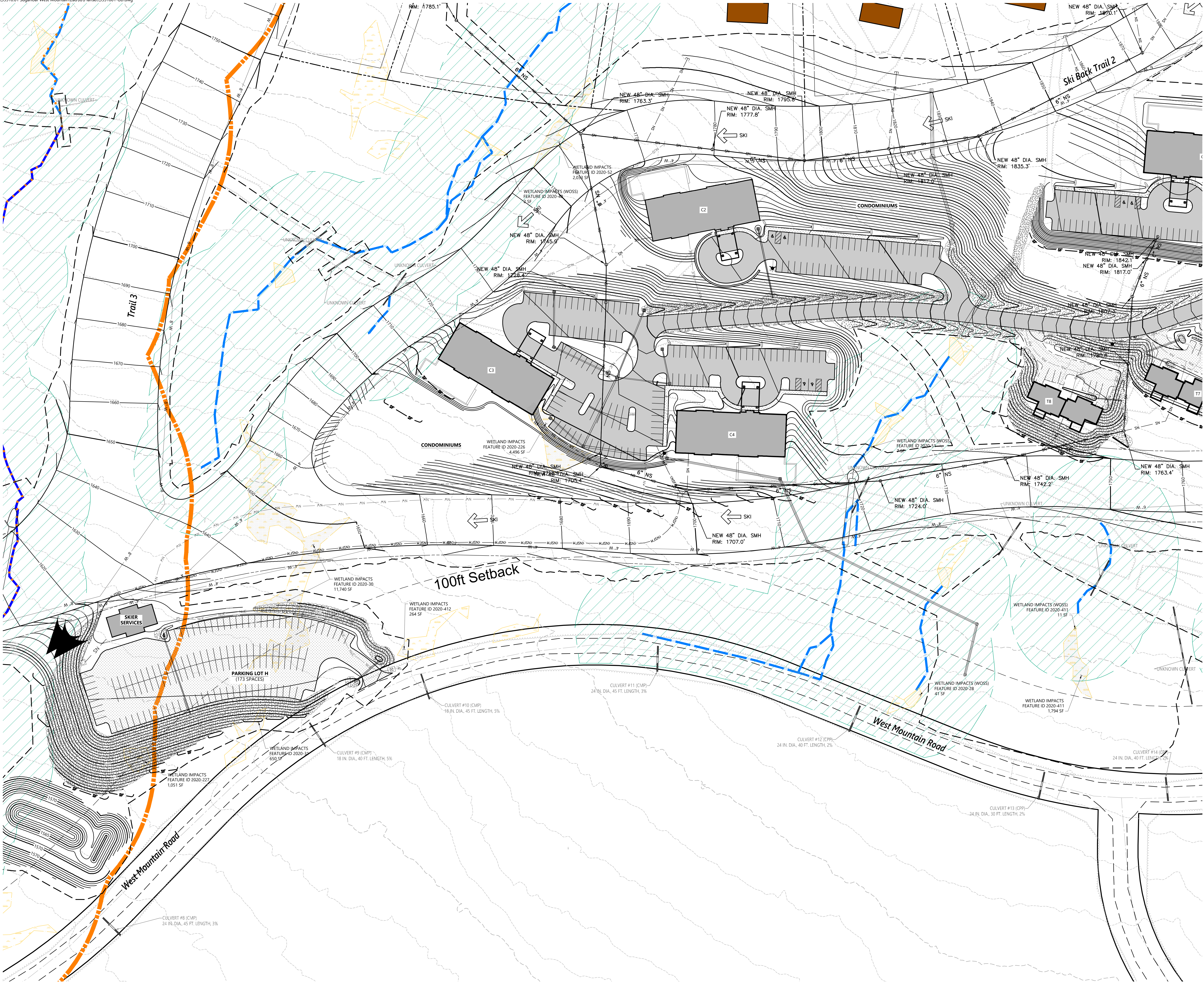












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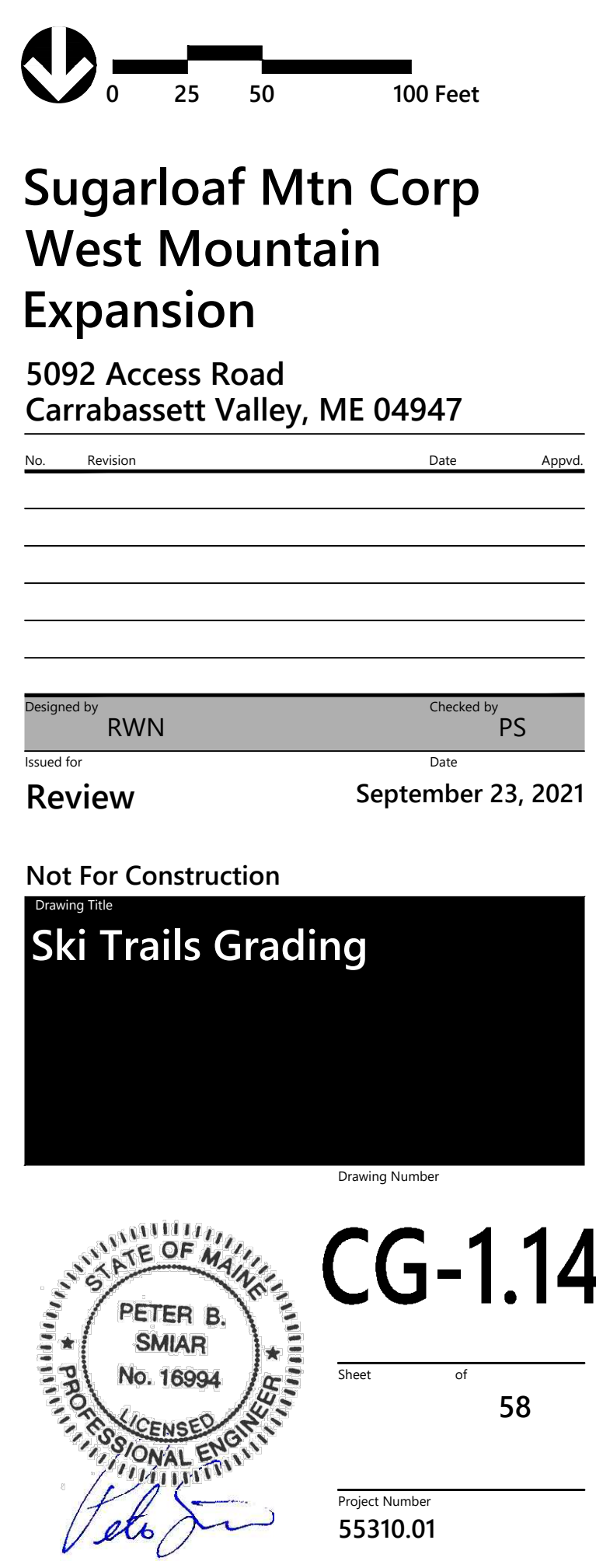
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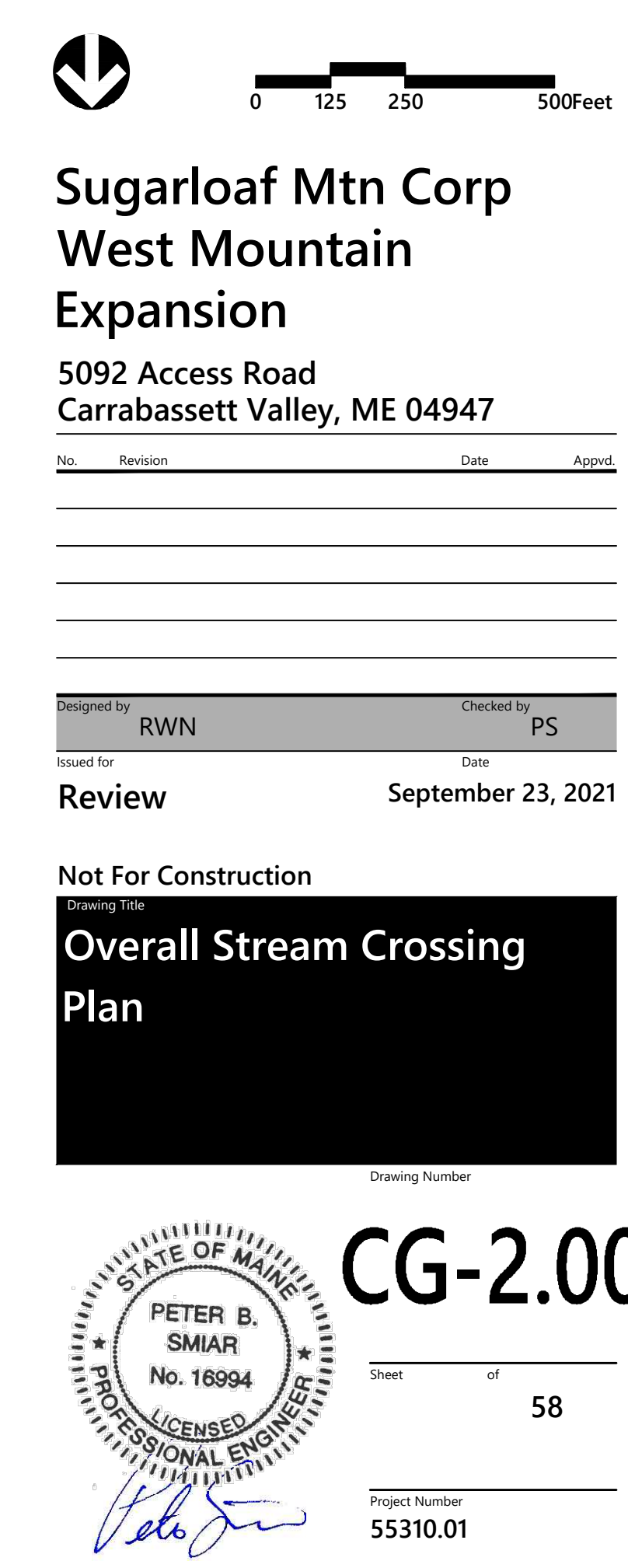
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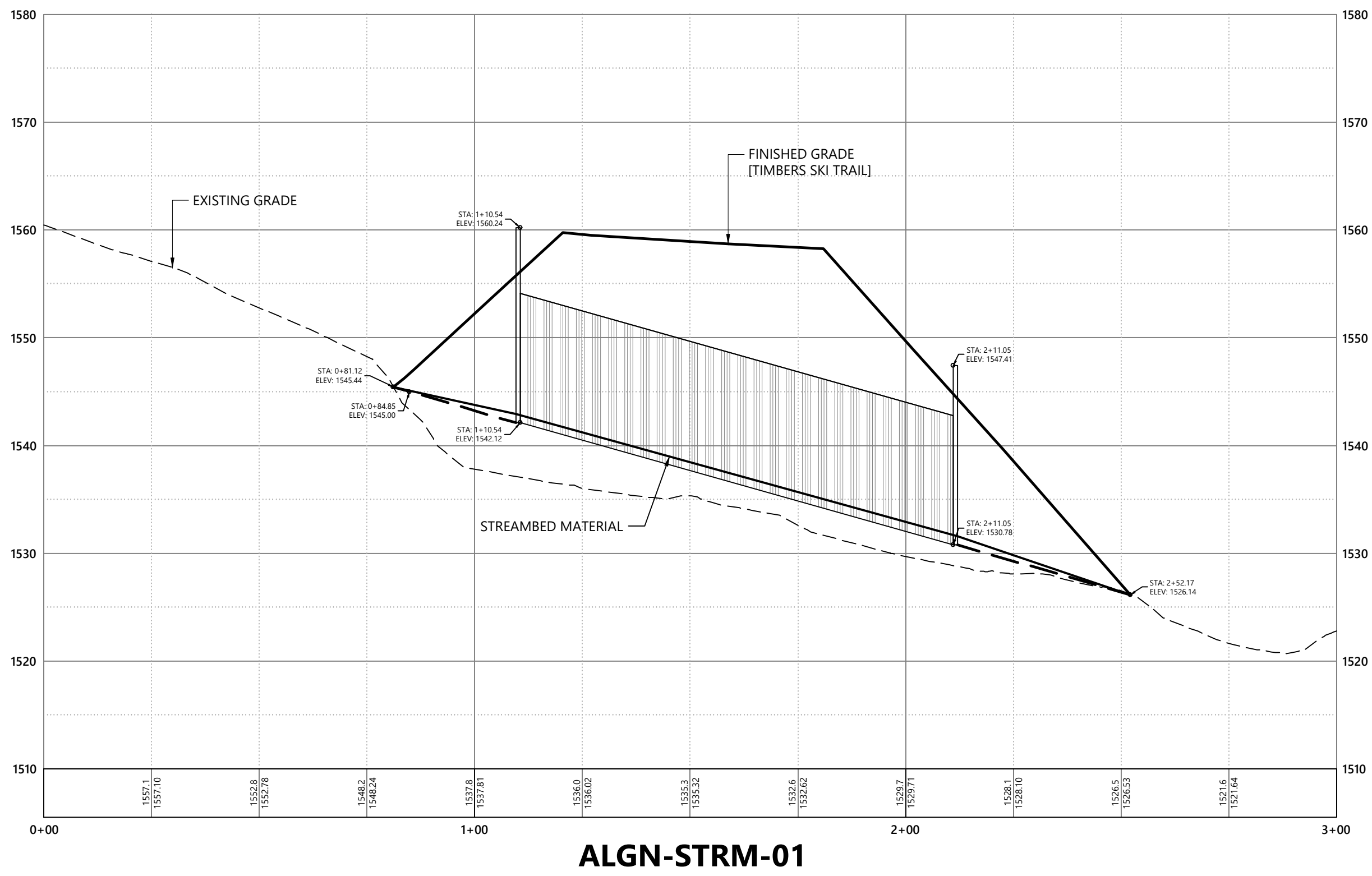
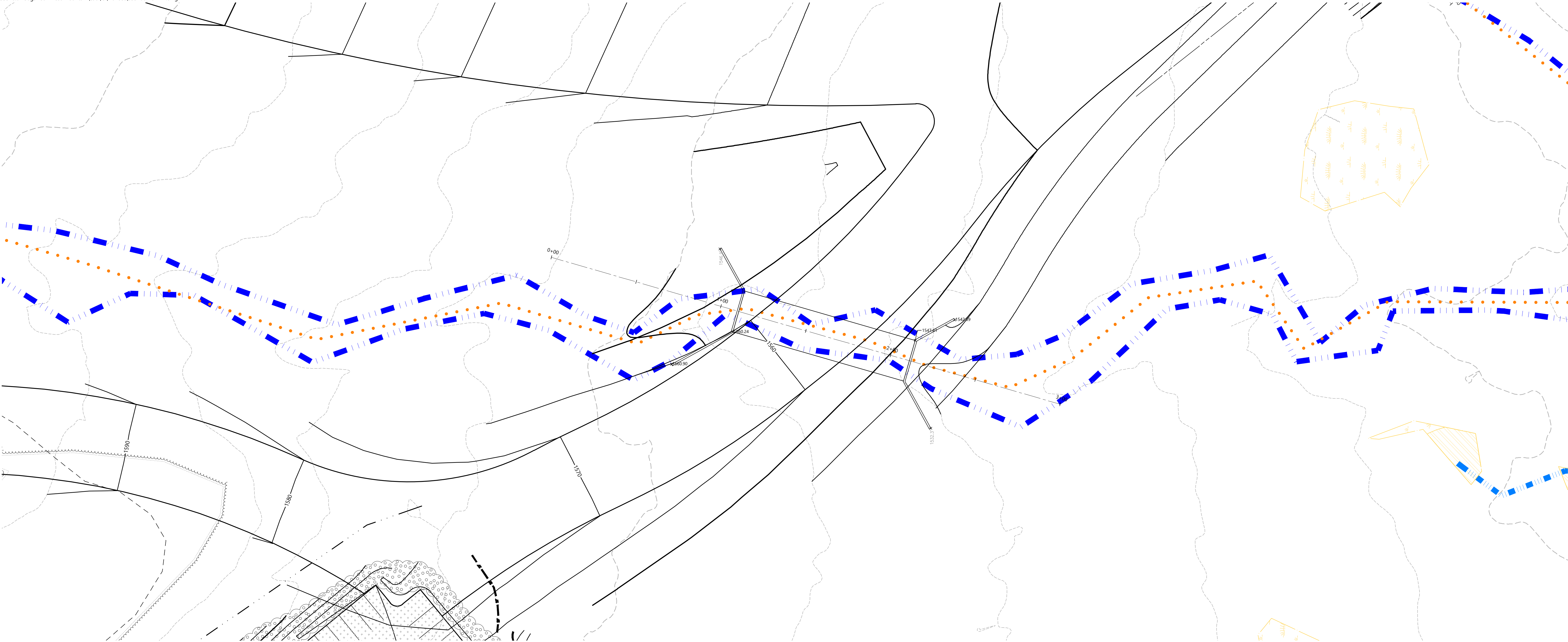












STREAM CROSSING 1

SINGLE RADIUS ARCH

PIPE MATERIAL	TBD
PIPE GAGE	TBD
PIPE LENGTH	100.51± Feet
PIPE DIMENSIONS	24' SPAN X 12' RISE
UPSTREAM INVERT	1542.12± Feet
DOWNSTREAM INVERT	1530.78± Feet
SLOPE	0.11 FT/FT
WINGWALLS	TBD
UPSTREAM ENDWALL DIMENSION	TBD
DOWNSTREAM ENDWALL DIMENSION	TBD



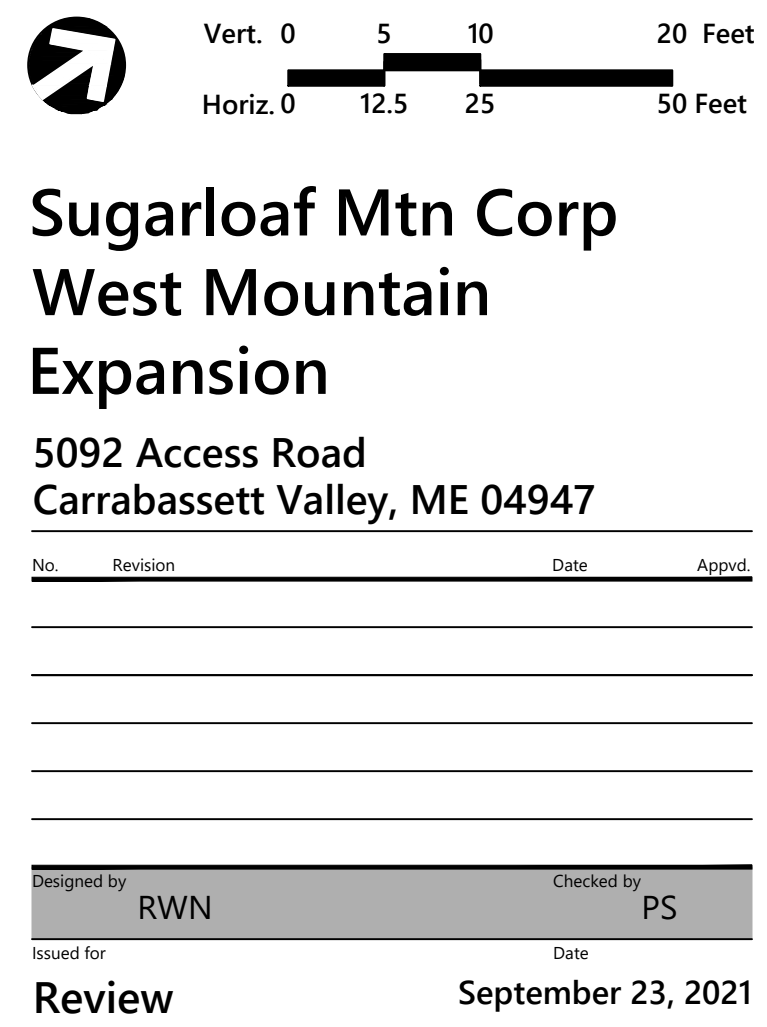
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5092 Access Road  
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Drawing Title  
**Stream Crossing Plan and  
Profile**

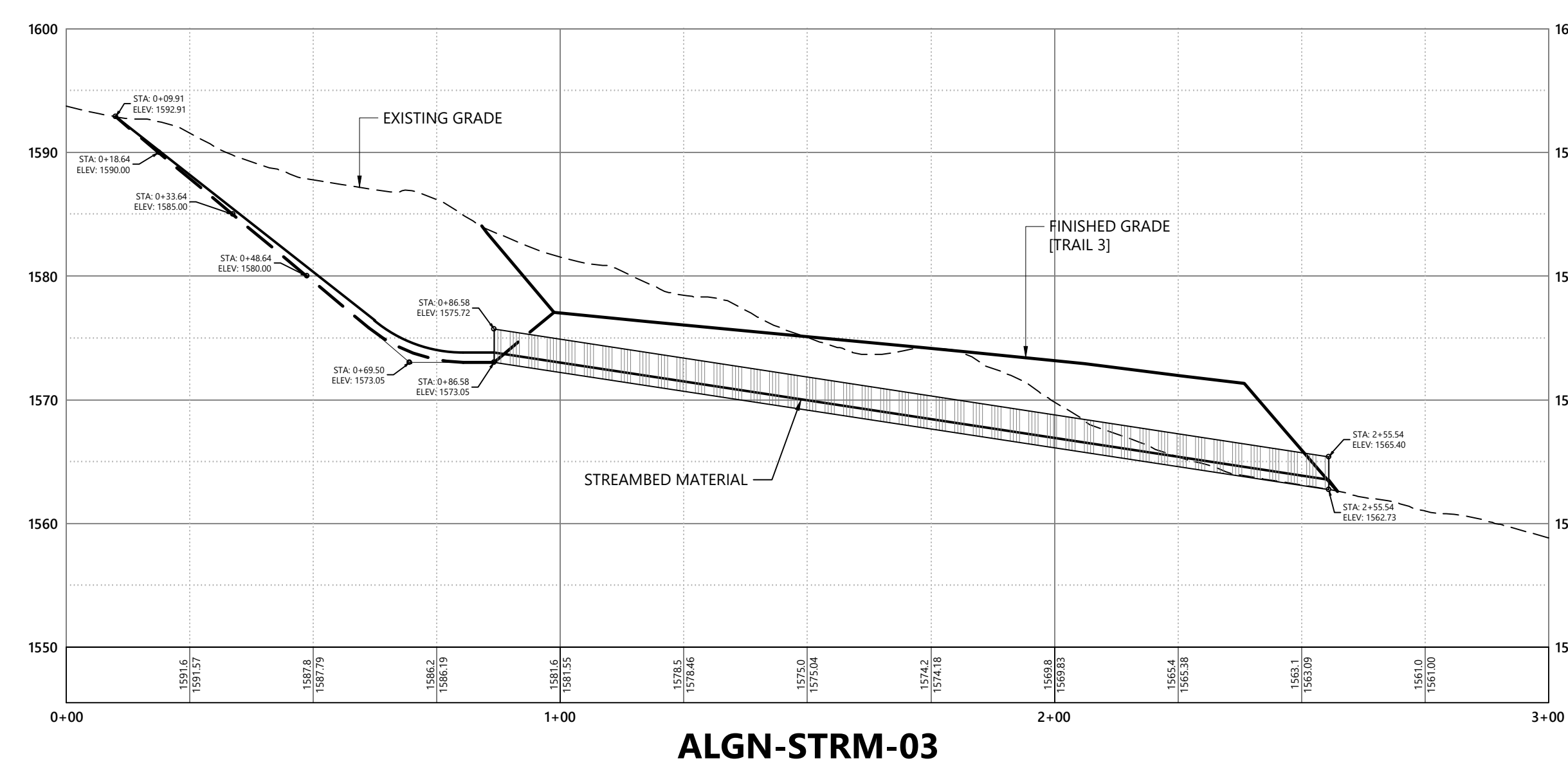
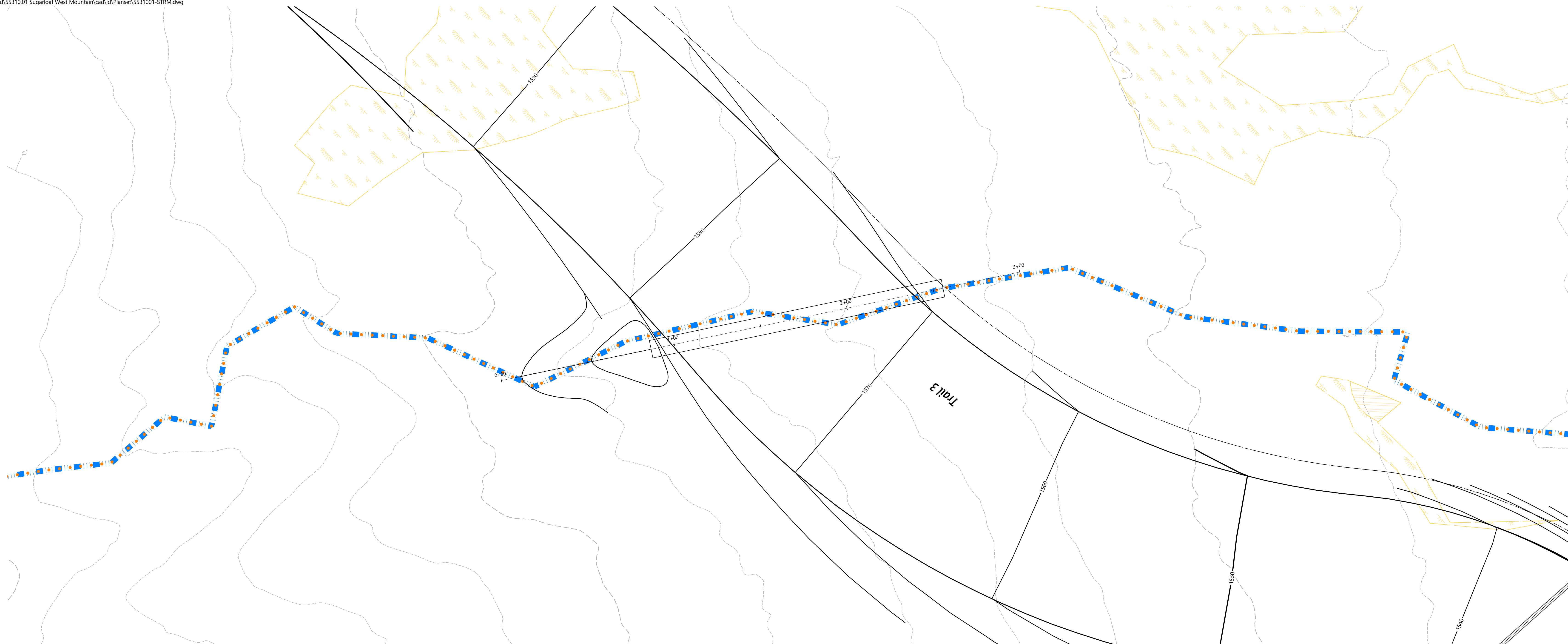




### SINGLE RADIUS ARCH

PIPE MATERIAL	TBD
PIPE GAGE	TBD
PIPE LENGTH	194.62± Feet
PIPE DIMENSIONS	22" SPAN X 11" RISE
UPSTREAM INVERT	1525.56± Feet
DOWNSTREAM INVERT	1502.74± Feet
SLOPE	0.12 FT/FT
WINGWALLS	TBD
UPSTREAM ENDWALL DIMENSION	TBD
DOWNSTREAM ENDWALL DIMENSION	TBD





### STREAM CROSSING 3

**BOX**

PIPE MATERIAL	TBD
PIPE GAGE	TBD
PIPE LENGTH	168.96 ± Feet
PIPE DIMENSIONS	10.17" SPAN X 2.67" RISE
UPSTREAM INVERT	1573.05± Feet
DOWNSSTREAM INVERT	1562.73± Feet
SLOPE	0.06 FT/FT
WINGWALLS	N/A
UPSTREAM ENDWALL DIMENSION	N/A
DOWNSSTREAM ENDWALL DIMENSION	N/A



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West Mountain  
Expansion**

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Drawing Title

# Stream Crossing Plan and Profile

Drawing Number

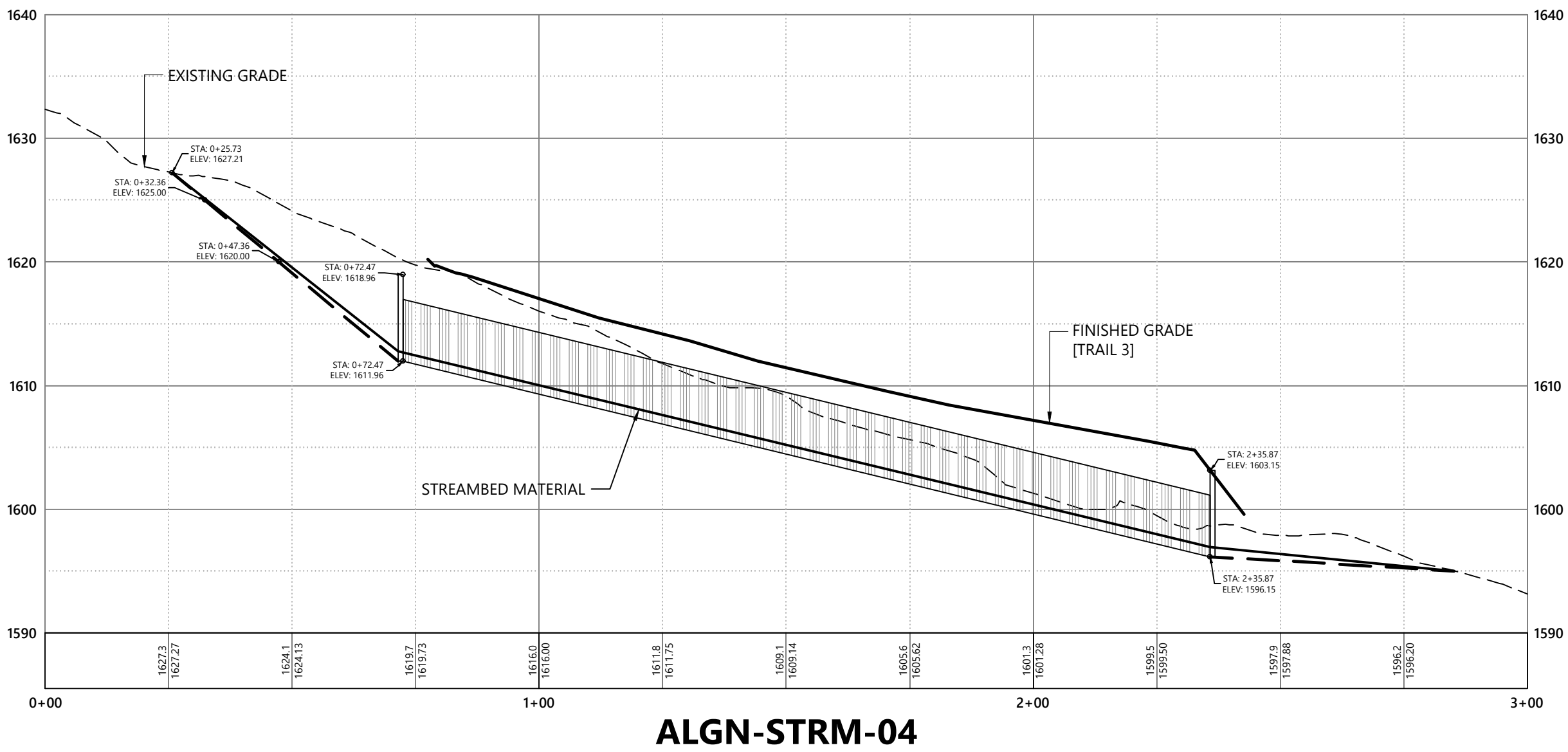
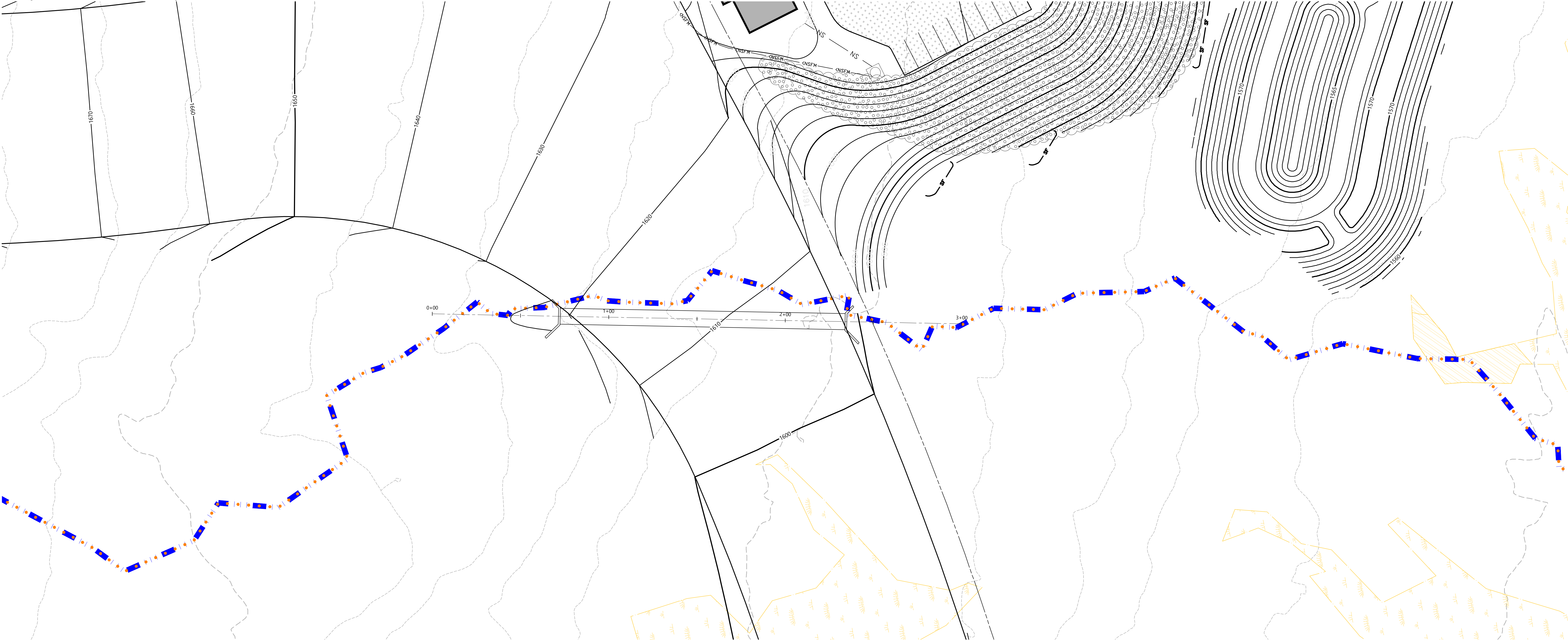
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PETER B. SMAR  
No. 18994  
LICENSED  
PROFESSIONAL ENGINEER

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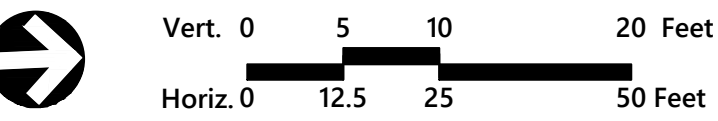


ALGN-STRM-04

#### STREAM CROSSING 4

#### SINGLE RADIUS ARCH

PIPE MATERIAL	TBD
PIPE GAGE	TBD
PIPE LENGTH	163.40± Feet
PIPE DIMENSIONS	9' SPAN X 5' RISE
UPSTREAM INVERT	1611.96± Feet
DOWNSTREAM INVERT	1596.15± Feet
SLOPE	0.10 FT/FT
WINGWALLS	TBD
UPSTREAM ENDWALL DIMENSION	TBD
DOWNSTREAM ENDWALL DIMENSION	TBD



#### Sugarloaf Mtn Corp West Mountain Expansion

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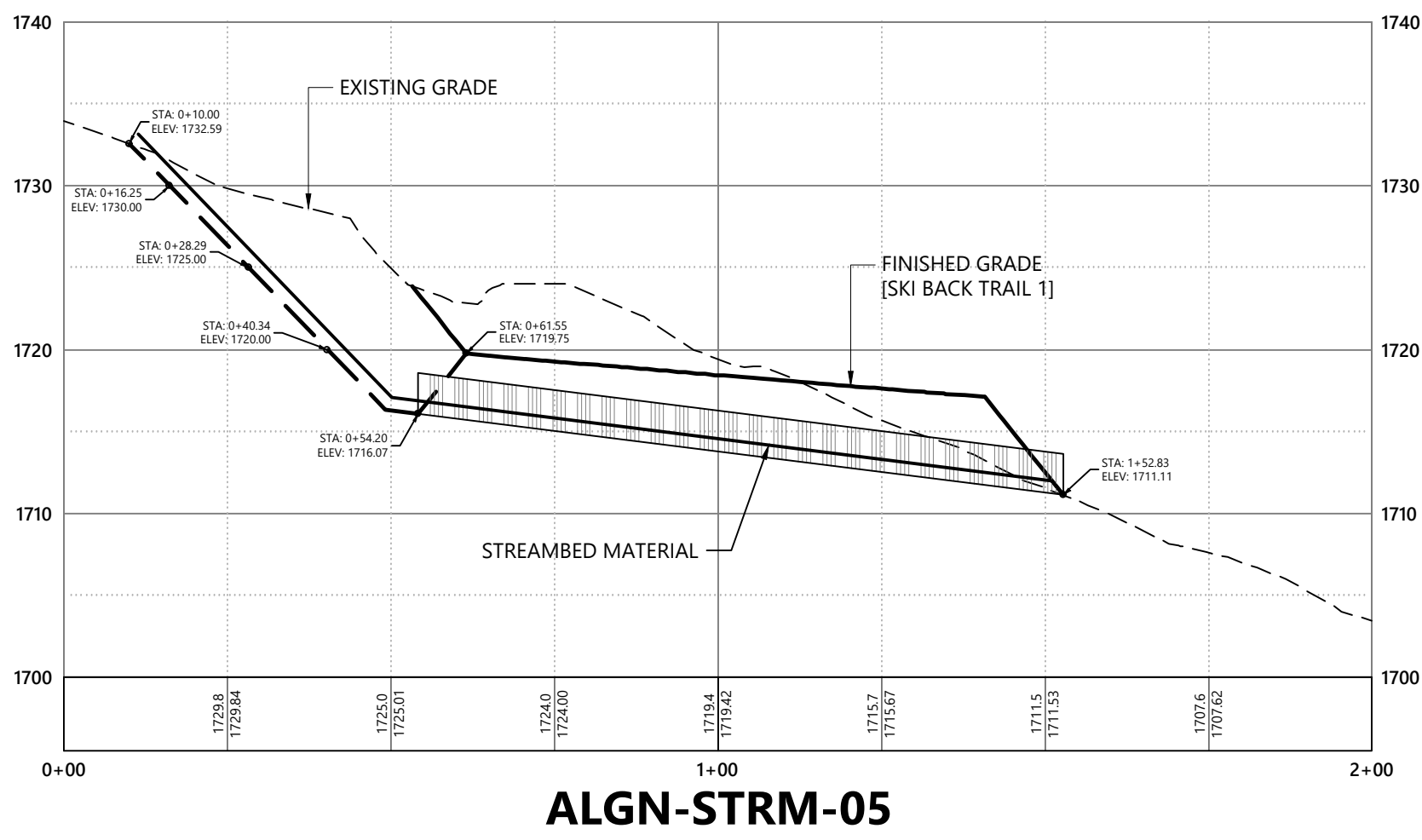
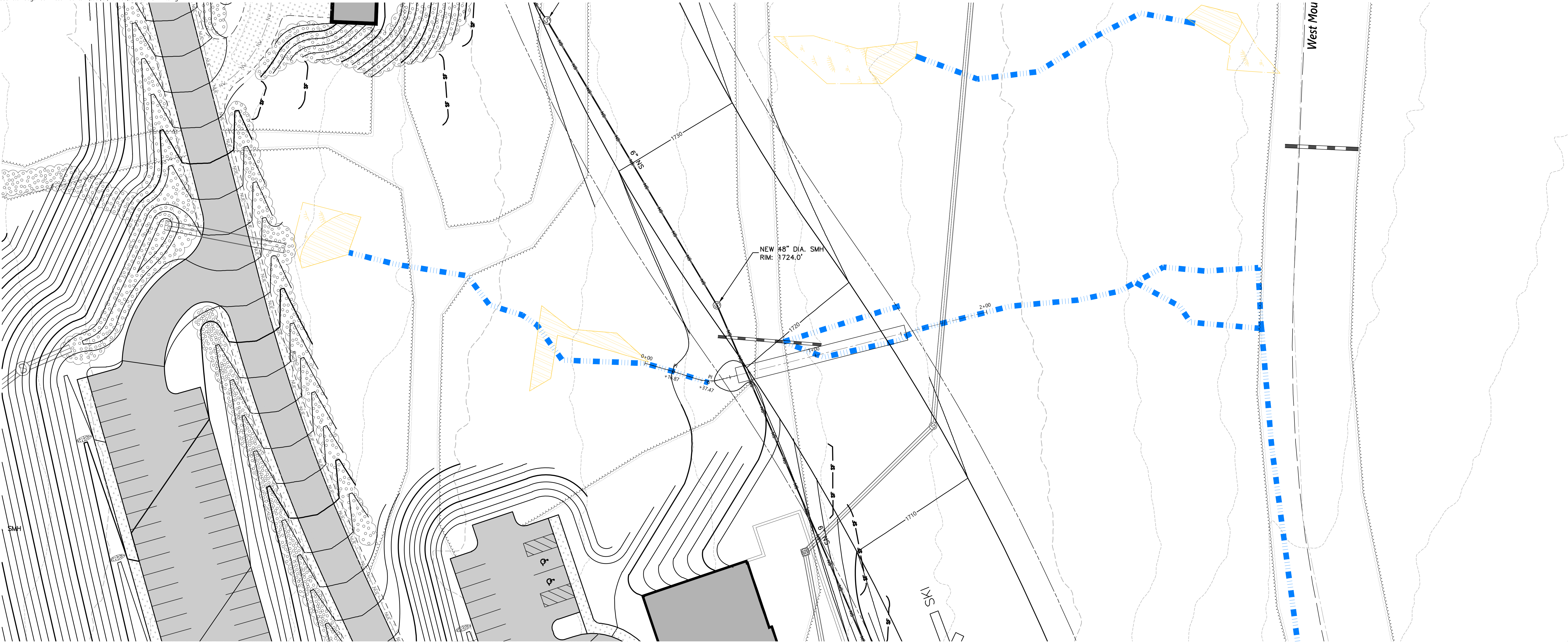
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Drawing Title  
**Stream Crossing Plan and  
Profile**

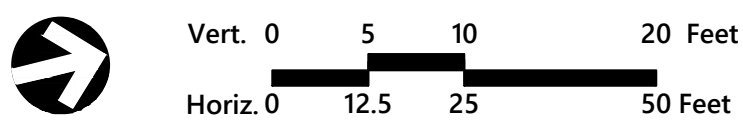




## STREAM CROSSING 5

### BOX

PIPE MATERIAL	TBD
PIPE GAGE	TBD
PIPE LENGTH	98.63± Feet
PIPE DIMENSIONS	8.75' SPAN X 2.50' RISE
UPSTREAM INVERT	1716.07± Feet
DOWNSTREAM INVERT	1711.11± Feet
SLOPE	0.05 FT/FT
WINGWALLS	N/A
UPSTREAM ENDWALL DIMENSION	N/A
DOWNSTREAM ENDWALL DIMENSION	N/A



## Sugarloaf Mtn Corp West Mountain Expansion

5092 Access Road  
Carrabassett Valley, ME 04947

No.	Revision	Date	Appr'd.

Designed by	RWN	Checked by	PS
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Review

Date  
September 23, 2021

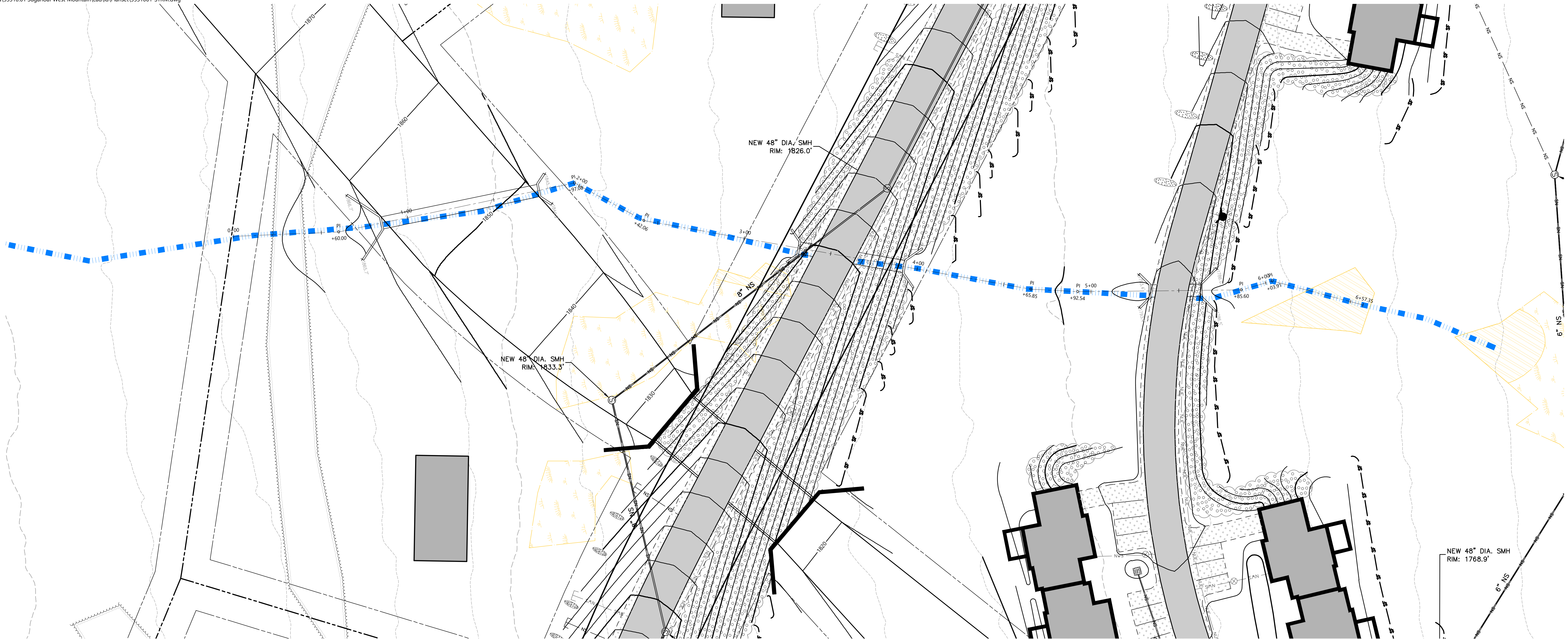
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Drawing Title  
**Stream Crossing Plan and  
Profile**

Drawing Number





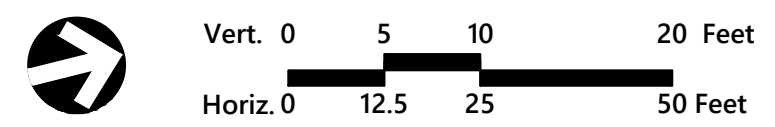
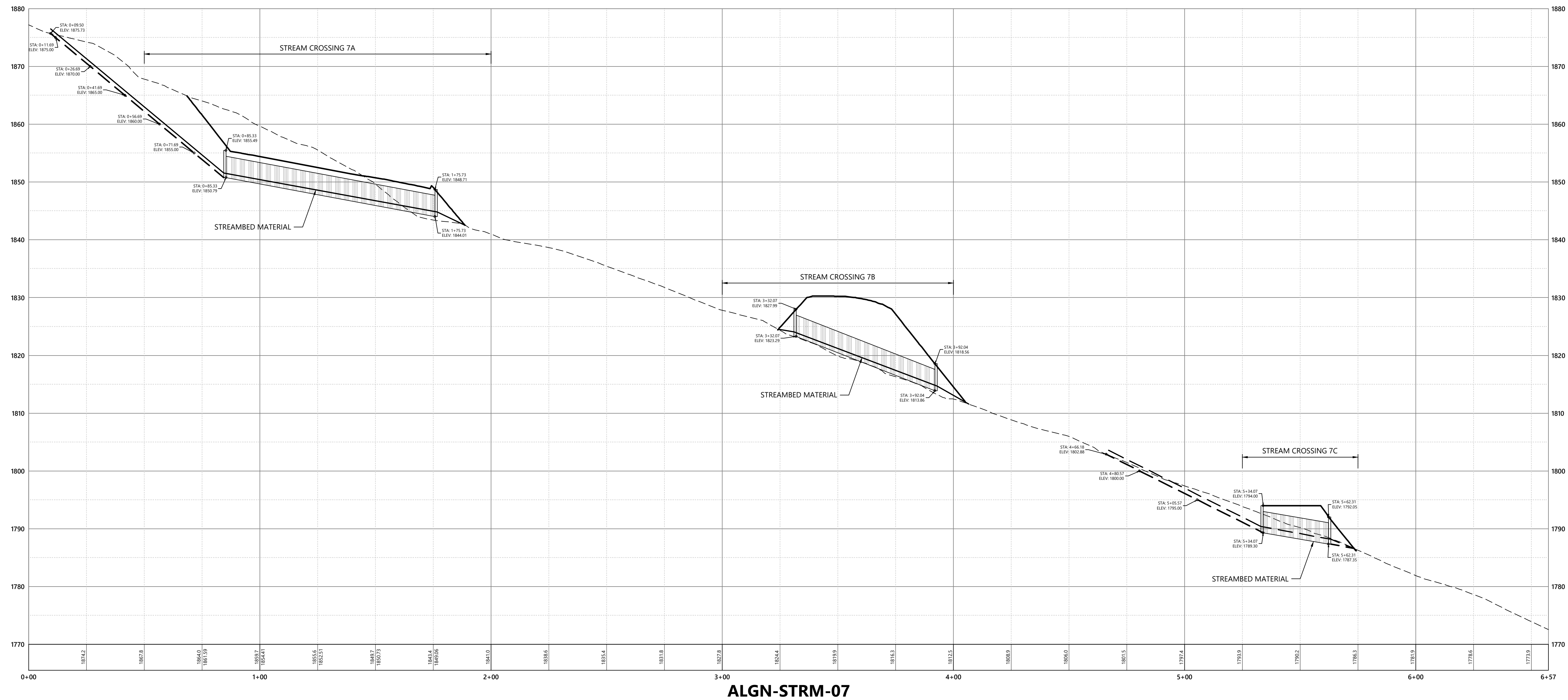




PIPE MATERIAL	TBD
PIPE GAGE	TBD
PIPE LENGTH	90.40± Feet
PIPE DIMENSIONS	7" SPAN X 3.7" RISE
UPSTREAM INVERT	1850.79± Feet
DOWNSTREAM INVERT	1844.01± Feet
SLOPE	0.08 FT/FT
WINGWALLS	TBD
UPSTREAM ENDWALL DIMENSION	TBD
DOWNSTREAM ENDWALL DIMENSION	TBD

PIPE MATERIAL	TBD
PIPE GAGE	TBD
PIPE LENGTH	59.97± Feet
PIPE DIMENSIONS	7" SPAN X 3.7" RISE
UPSTREAM INVERT	1823.29± Feet
DOWNSTREAM INVERT	1813.86± Feet
SLOPE	0.16 FT/FT
WINGWALLS	TBD
UPSTREAM ENDWALL DIMENSION	TBD
DOWNSTREAM ENDWALL DIMENSION	TBD

PIPE MATERIAL	TBD
PIPE GAGE	TBD
PIPE LENGTH	28.24± Feet
PIPE DIMENSIONS	7' SPAN X 3.7' RISE
UPSTREAM INVERT	1789.30± Feet
DOWNSTREAM INVERT	1787.35± Feet
SLOPE	0.07 FT/FT
WINGWALLS	TBD
UPSTREAM ENDWALL DIMENSION	TBD
DOWNSTREAM ENDWALL DIMENSION	TBD



**Sugarloaf Mtn Corp**  
**West Mountain**  
**Expansion**  
5092 Access Road  
Carrabassett Valley, ME 04947

No.	Revision	Date	Appvd.

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Issued for <b>Review</b>	Date <b>September 23, 2021</b>

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Drawing Title

**Stream Crossing Plan and Profile**

CG-2.07

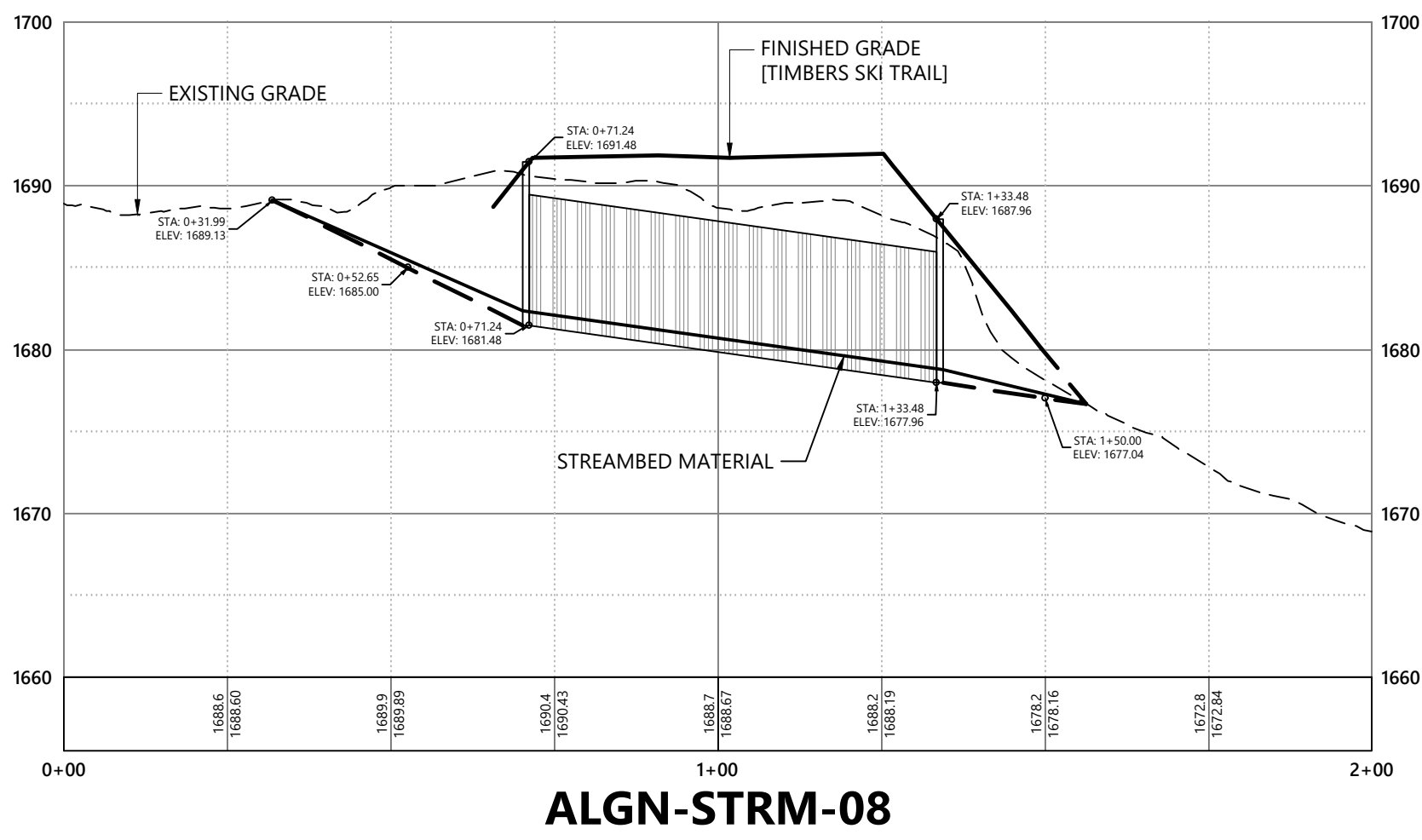
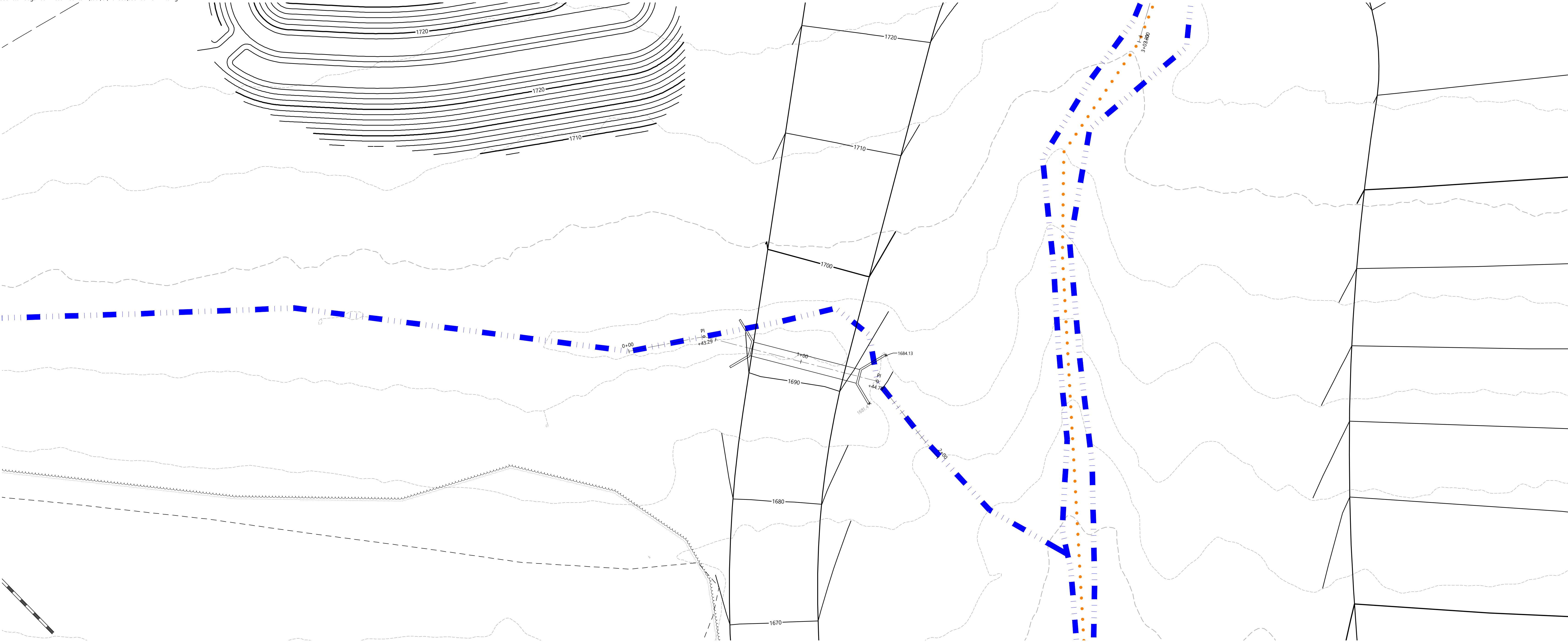
STATE OF MAINE  
PETER B. SMIAK  
No. 16994  
LICENSED PROFESSIONAL ENGINEER

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Project Number  
55310.01

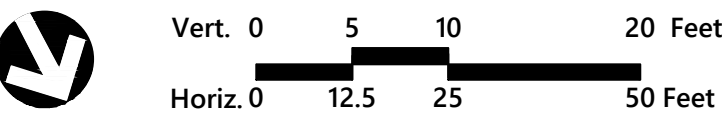




STREAM CROSSING 8

SINGLE RADIUS ARCH

PIPE MATERIAL	TBD
PIPE GAGE	TBD
PIPE LENGTH	62.24± Feet
PIPE DIMENSIONS	8' SPAN X 4.2' RISE
UPSTREAM INVERT	1681.48± Feet
DOWNSTREAM INVERT	1677.96± Feet
SLOPE	0.06 FT/FT
WINGWALLS	TBD
UPSTREAM ENDWALL DIMENSION	TBD
DOWNSTREAM ENDWALL DIMENSION	TBD



Sugarloaf Mtn Corp  
West Mountain  
Expansion

5092 Access Road  
Carrabassett Valley, ME 04947

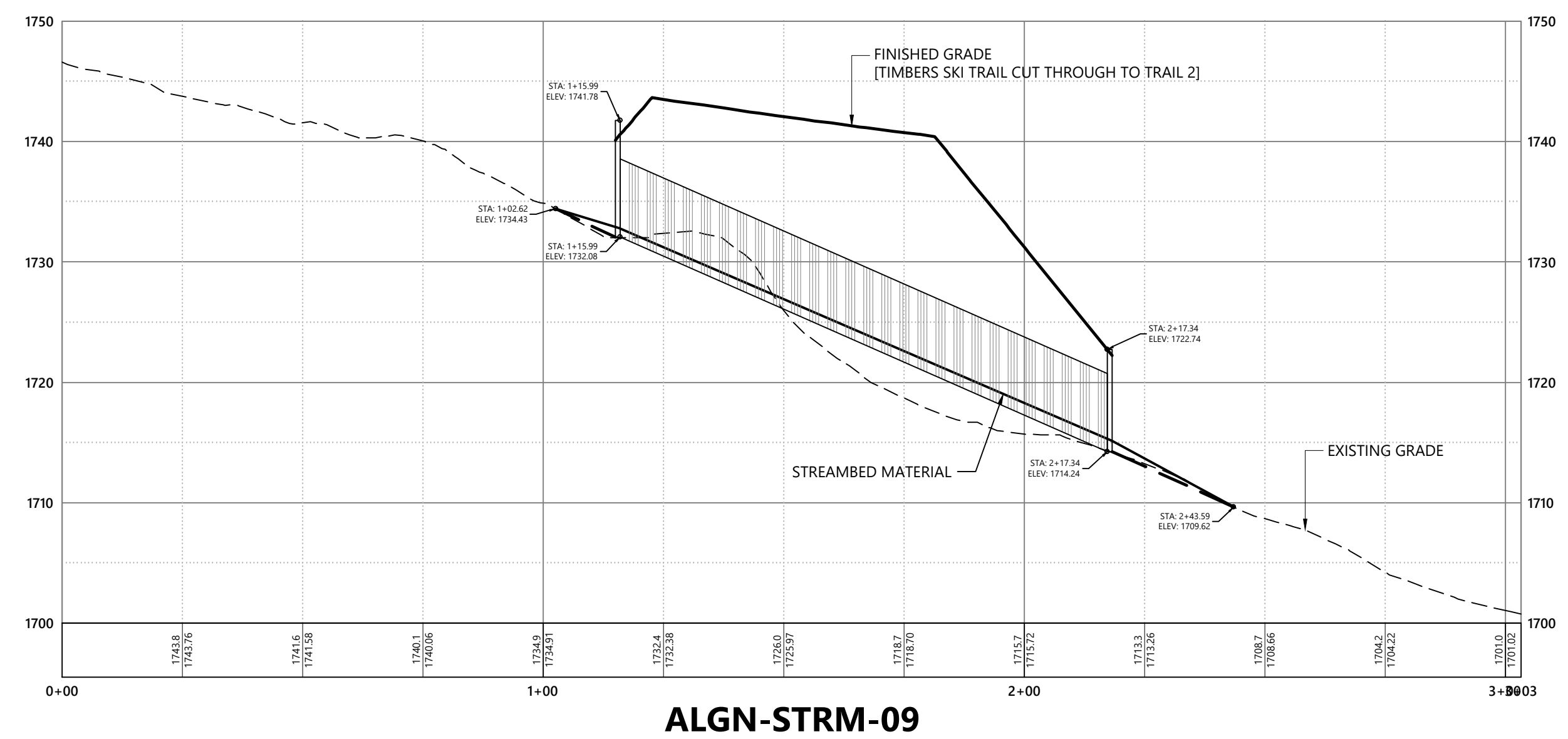
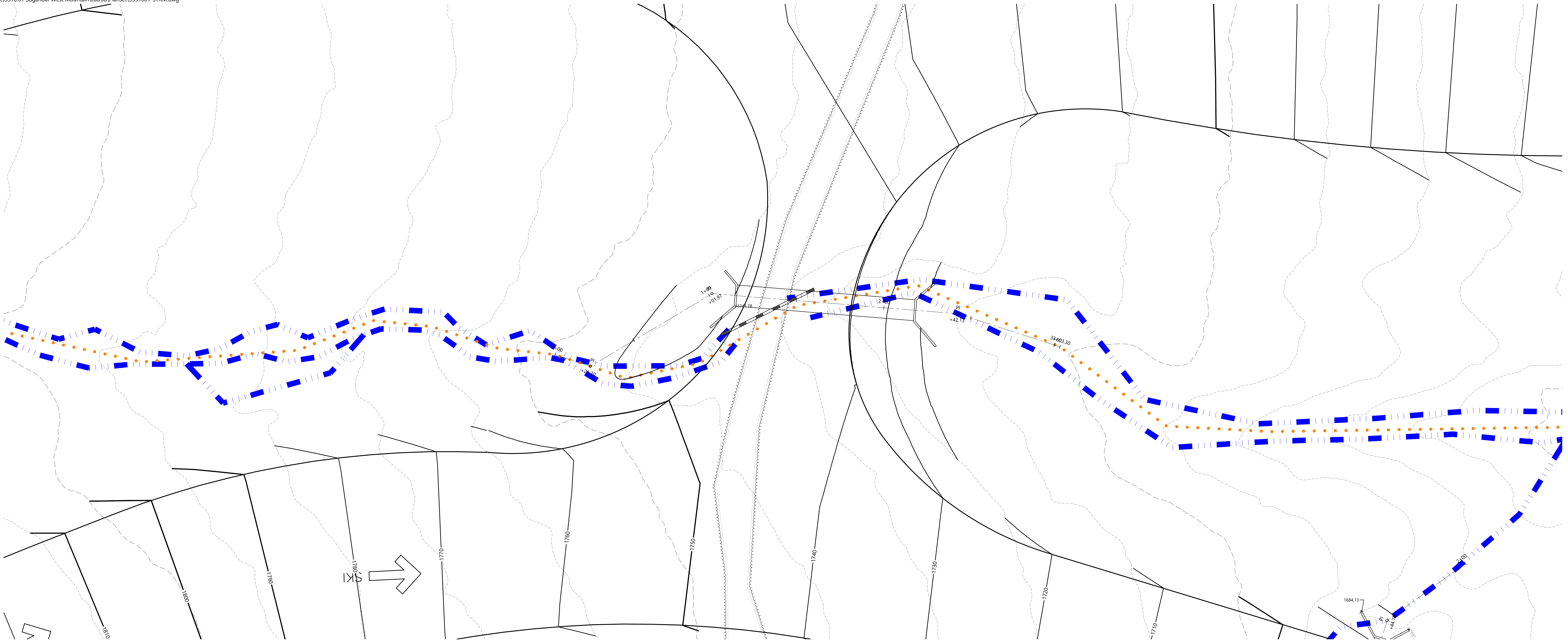
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Drawing Title:  
**Stream Crossing Plan and  
Profile**





## SINGLE RADIUS ARCH

PIPE MATERIAL	TBD
PIPE GAGE	TBD
PIPE LENGTH	101.35± Feet
PIPE DIMENSIONS	12" SPAN X 6.5' RISE
UPSTREAM INVERT	1732.08± Feet
DOWNSTREAM INVERT	1714.24± Feet
SLOPE	0.18 FT/FT
WINGWALLS	TBD
UPSTREAM ENDWALL DIMENSION	TBD
DOWNSTREAM ENDWALL DIMENSION	TBD



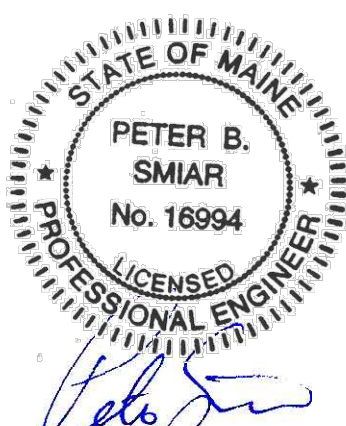
5092 Access Road  
Carrabassett Valley, ME 04947

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Issued for	Date
<b>Review</b>	<b>September 23, 2021</b>

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## Stream Crossing Plan and Profile

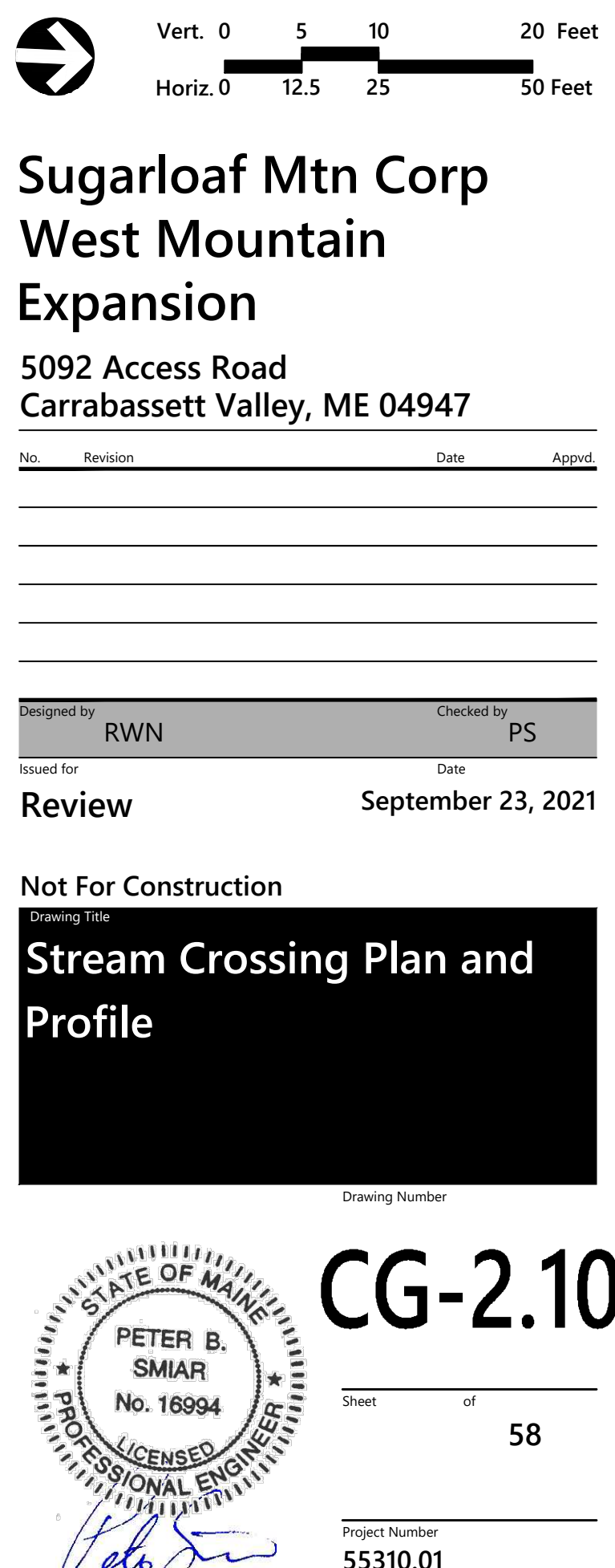
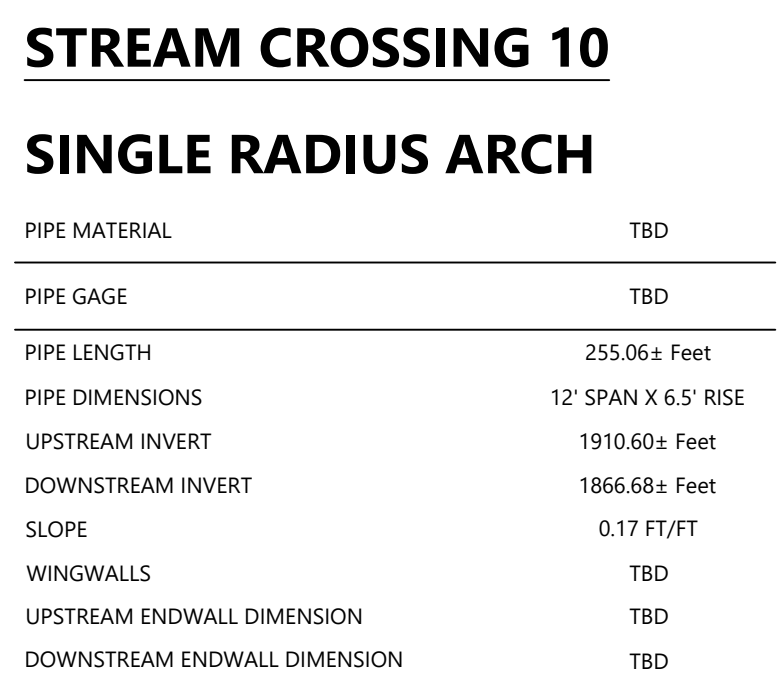
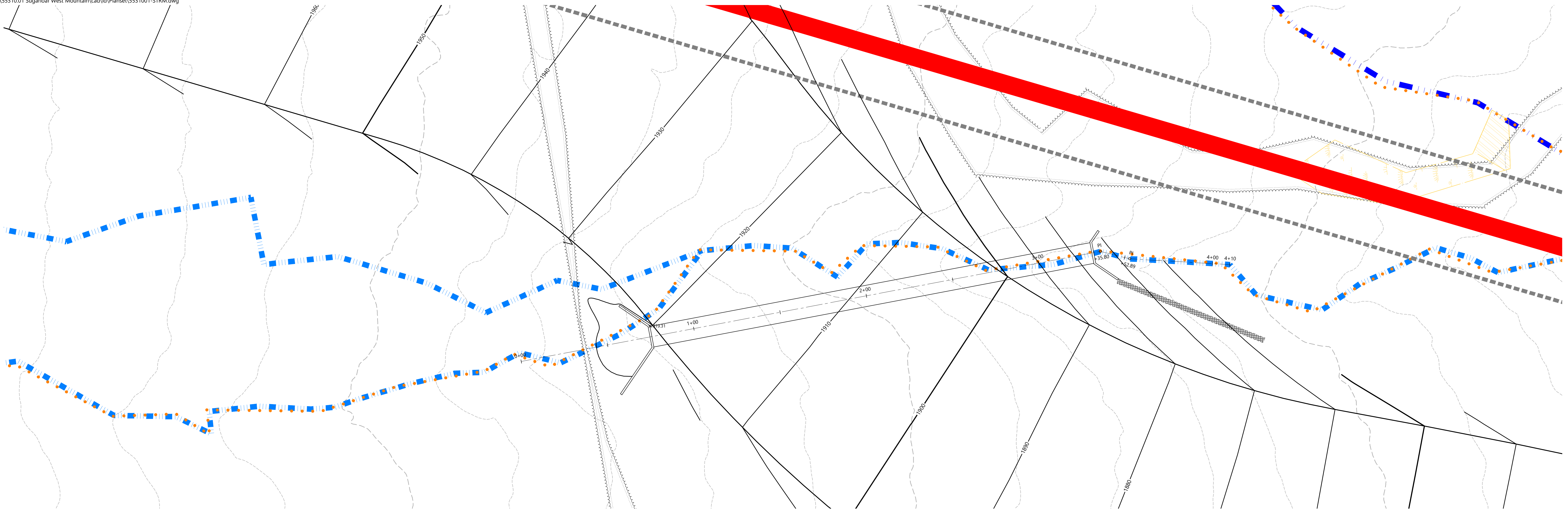


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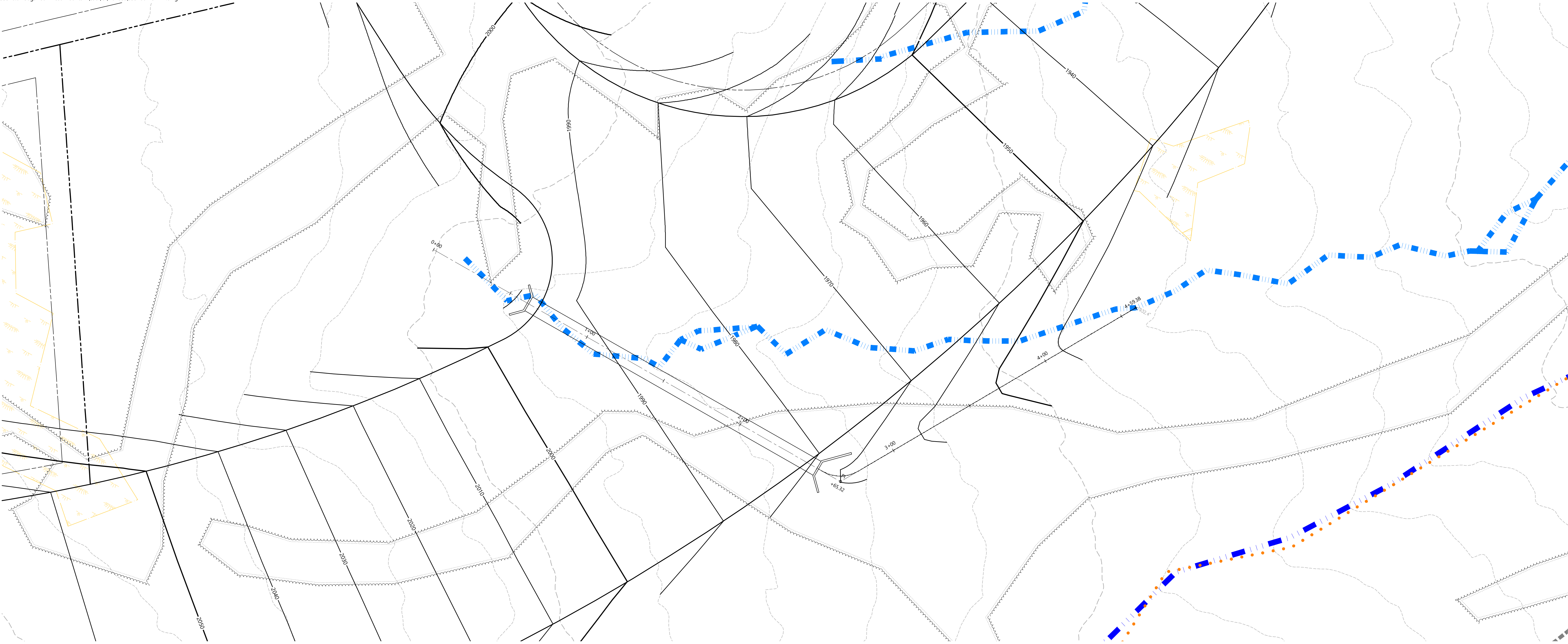
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**55310.01**



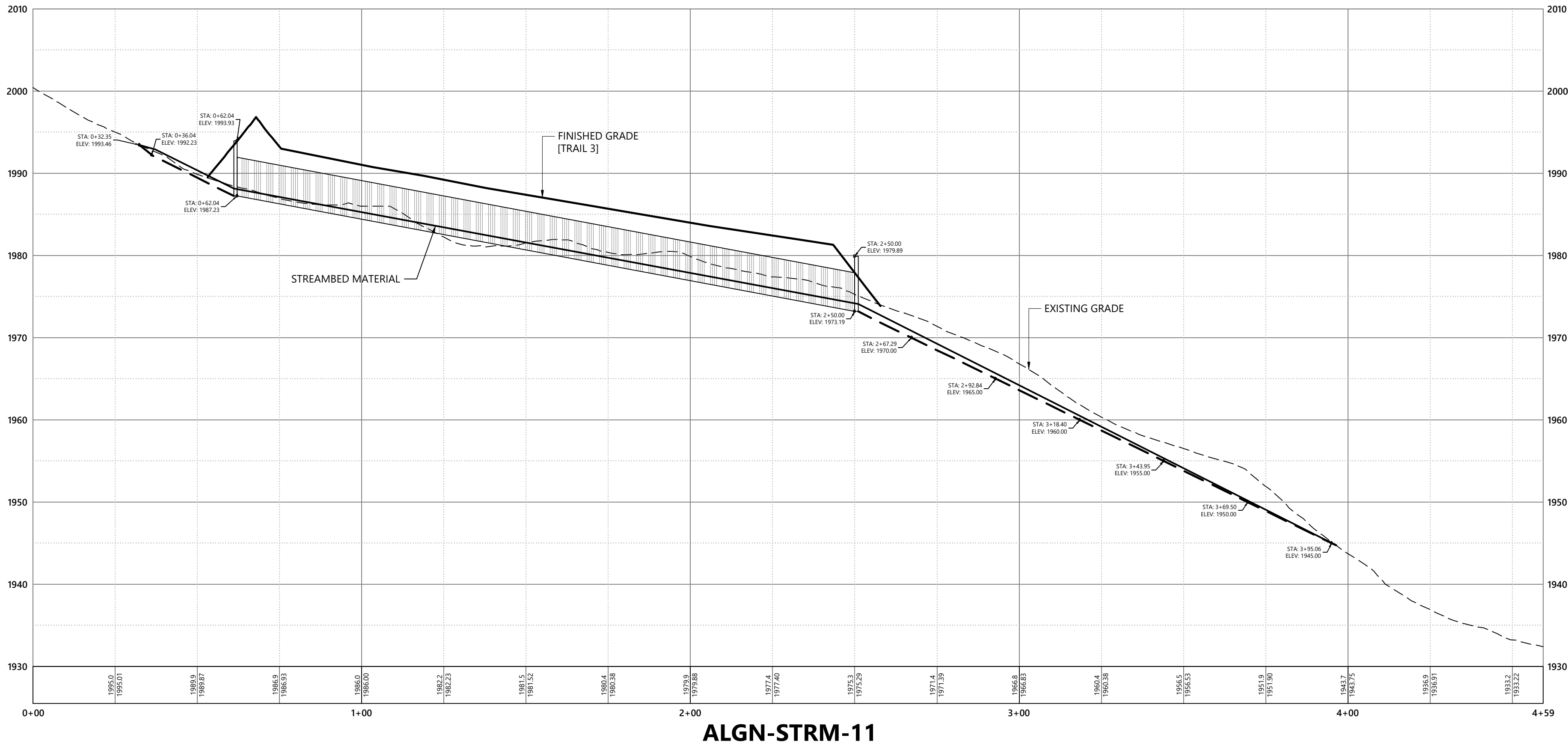






**STREAM CROSSING 11**  
**SINGLE RADIUS ARCH**

PIPE MATERIAL	TBD
PIPE GAGE	TBD
PIPE LENGTH	187.96± Feet
PIPE DIMENSIONS	9' SPAN X 4.7' RISE
UPSTREAM INVERT	1987.23± Feet
DOWNSTREAM INVERT	1973.19± Feet
SLOPE	0.07 FT/FT
WINGWALLS	TBD
UPSTREAM ENDWALL DIMENSION	TBD
DOWNSTREAM ENDWALL DIMENSION	TBD



**Sugarloaf Mtn Corp**  
**West Mountain**  
**Expansion**  
5092 Access Road  
Carrabassett Valley, ME 04947

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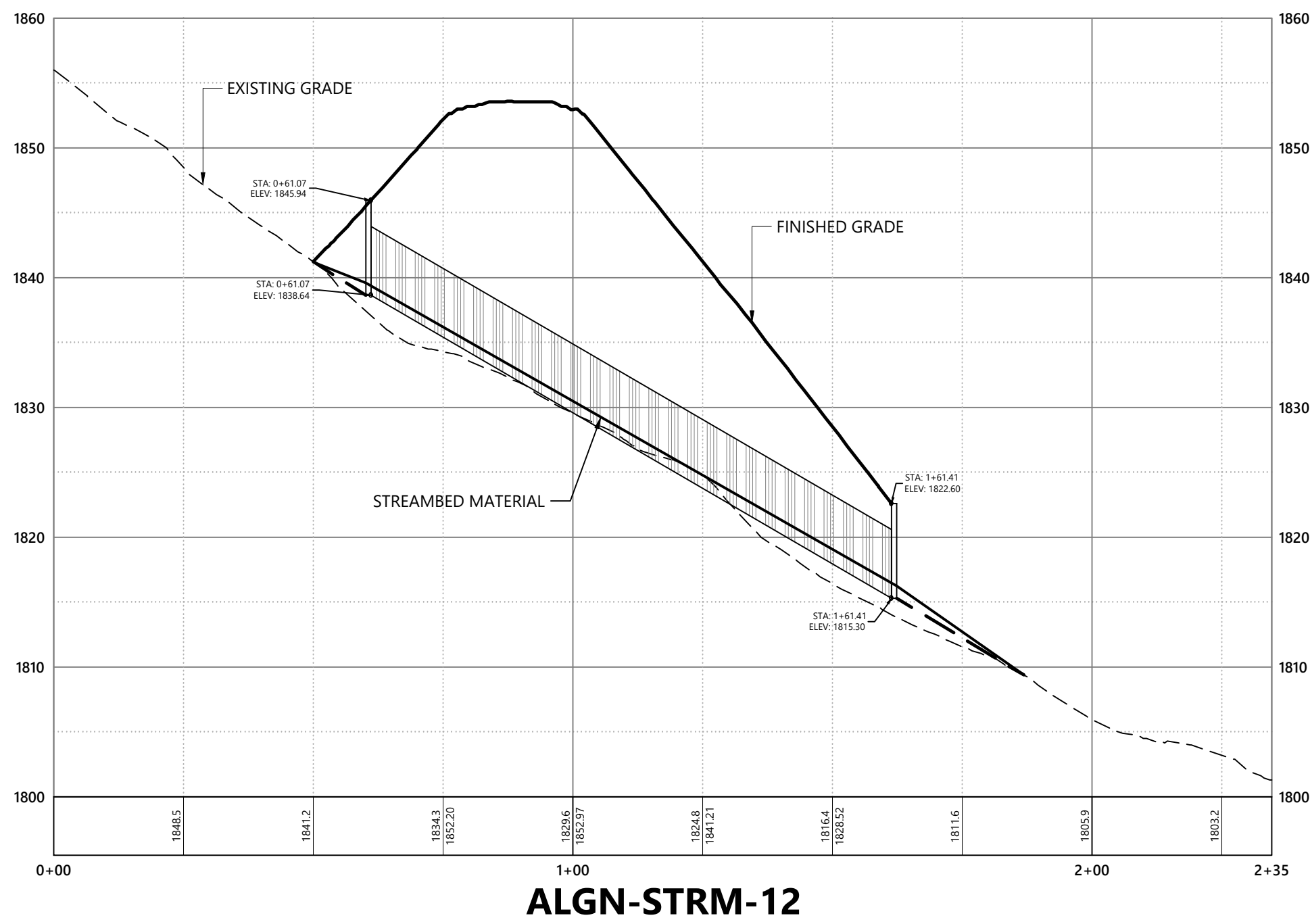
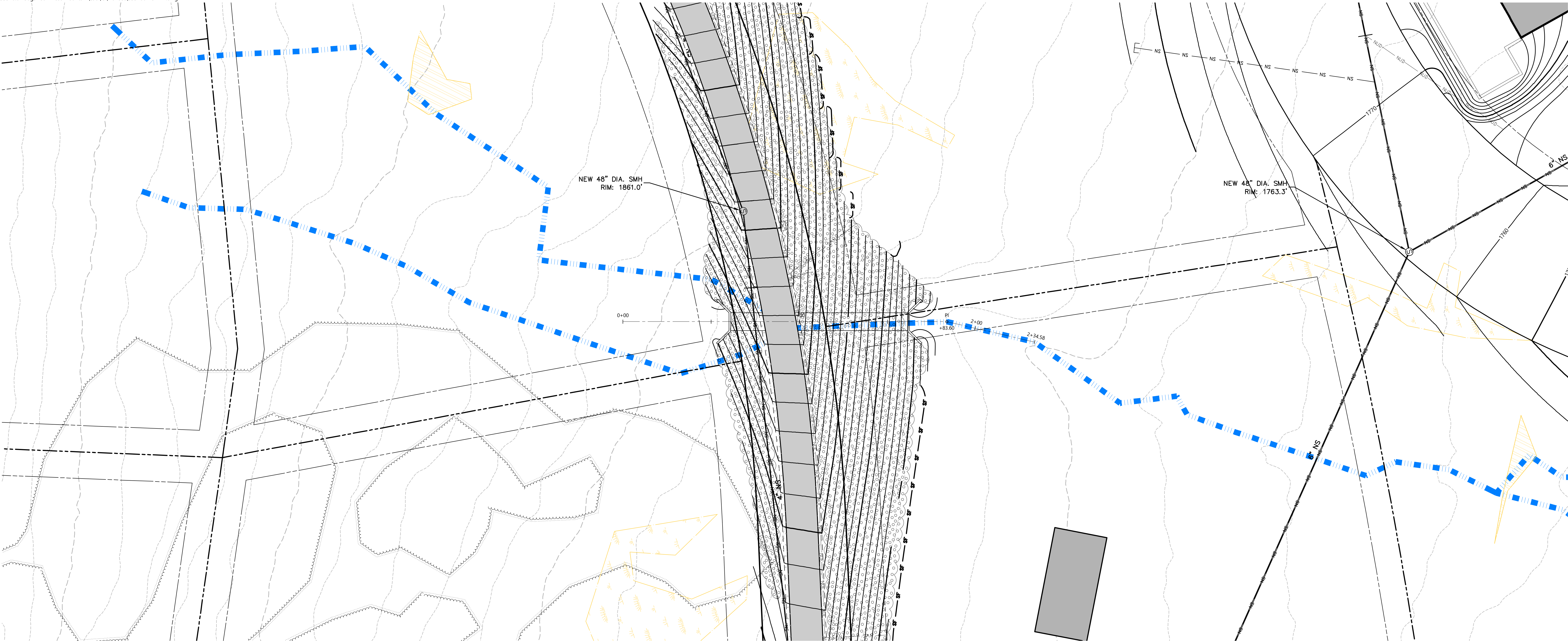
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**Stream Crossing Plan and Profile**

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CG-2.11





**STREAM CROSSING 12**

**SINGLE RADIUS ARCH**

PIPE MATERIAL	TBD
PIPE GAGE	TBD
PIPE LENGTH	100.34± Feet
PIPE DIMENSIONS	10' SPAN X 5.3' RISE
UPSTREAM INVERT	1838.64± Feet
DOWNSTREAM INVERT	1815.30± Feet
SLOPE	0.23 FT/FT
WINGWALLS	TBD
UPSTREAM ENDWALL DIMENSION	TBD
DOWNSTREAM ENDWALL DIMENSION	TBD



**Sugarloaf Mtn Corp  
West Mountain  
Expansion**

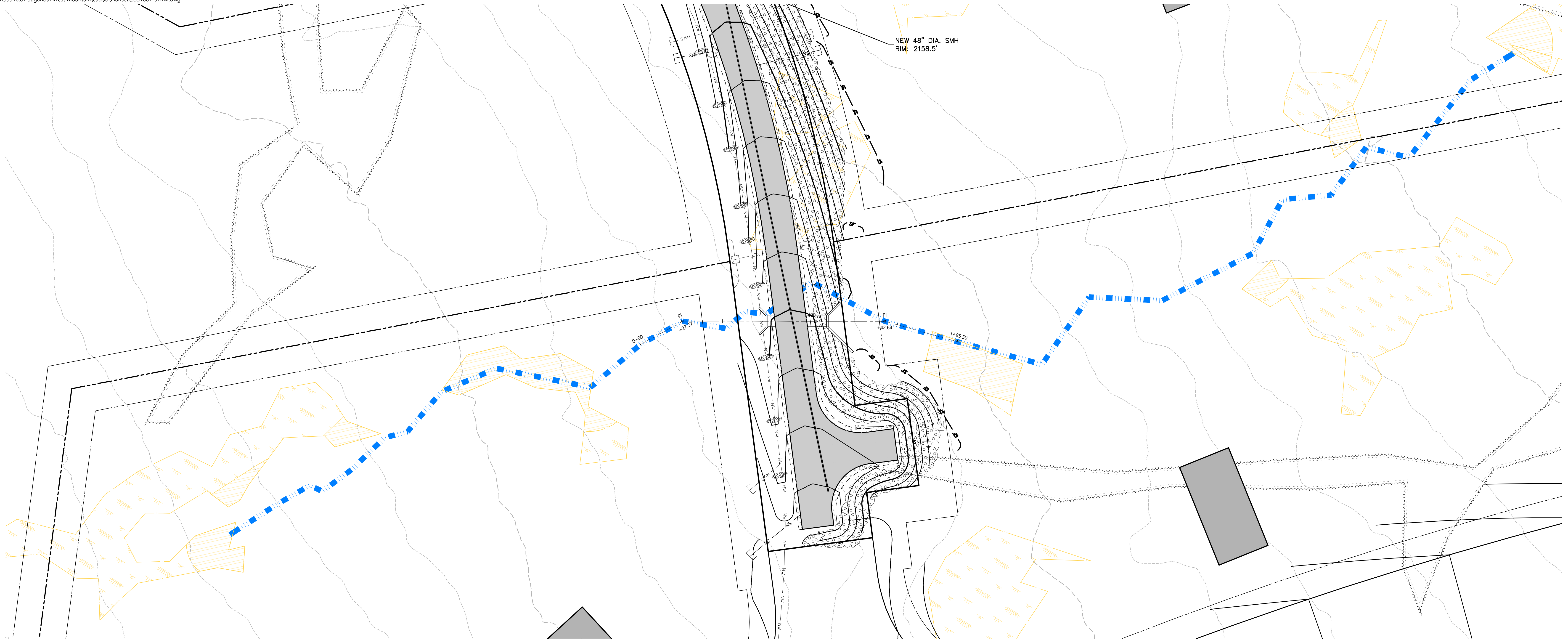
5092 Access Road  
Carrabassett Valley, ME 04947

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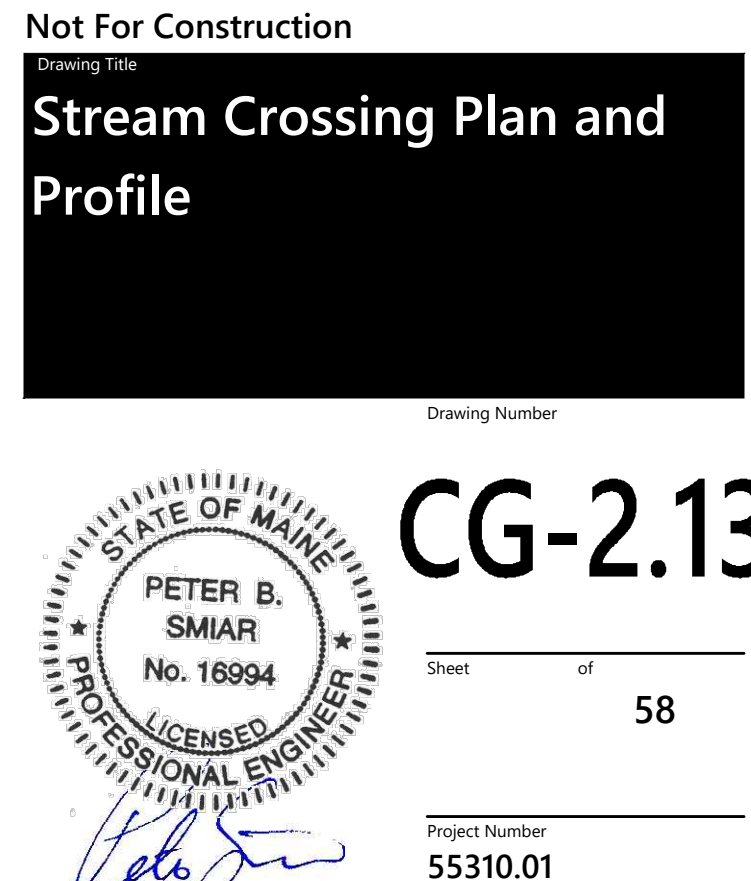
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Profile**






PIPE MATERIAL	TBD
PIPE GAGE	TBD
PIPE LENGTH	33.49± Feet
PIPE DIMENSIONS	6' SPAN X 3.2' RISE
UPSTREAM INVERT	2165.04± Feet
DOWNSTREAM INVERT	2162.43± Feet
SLOPE	0.08 FT/FT
WINGWALLS	TBD
UPSTREAM ENDWALL DIMENSION	TBD
DOWNSTREAM ENDWALL DIMENSION	TBD







 0 125 250 500Feet

**Sugarloaf Mtn Corp  
West Mountain  
Expansion**

5092 Access Road  
Carrabassett Valley, ME 04947

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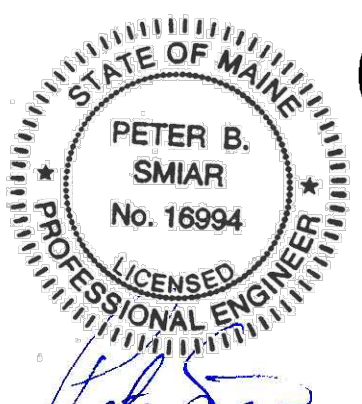
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ERK	PS

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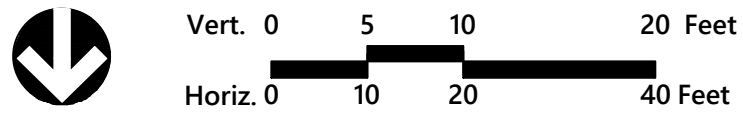
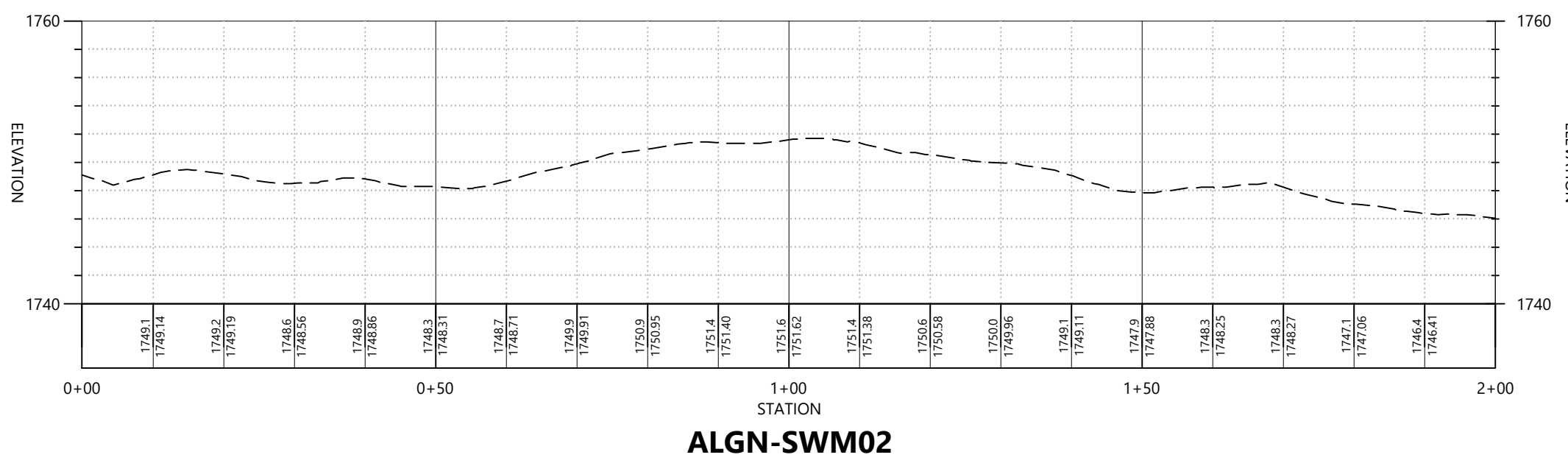
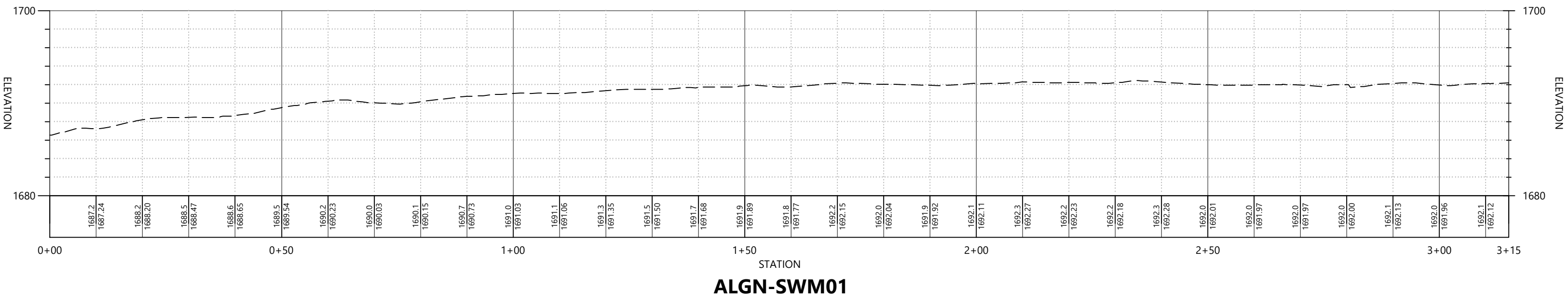
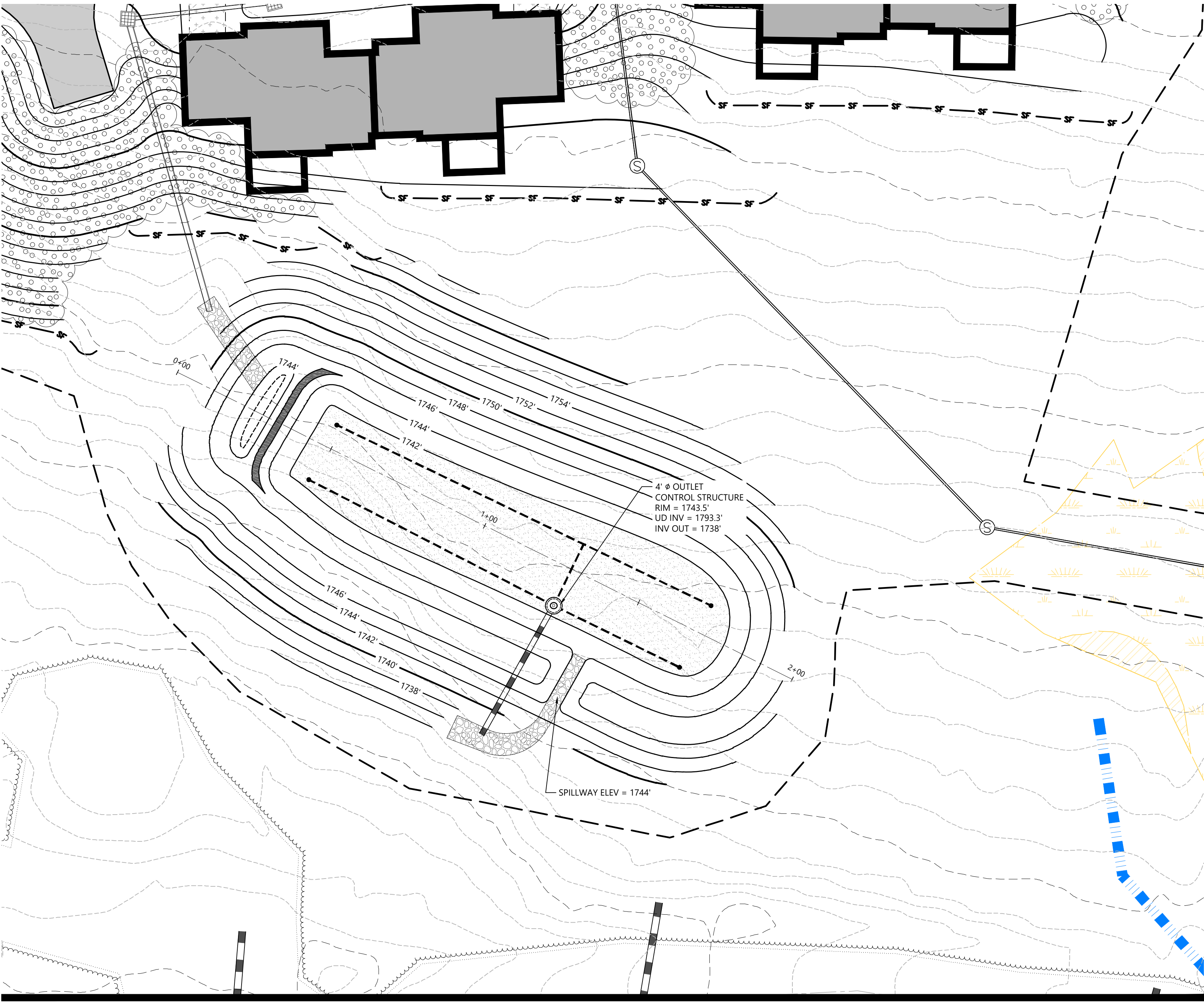
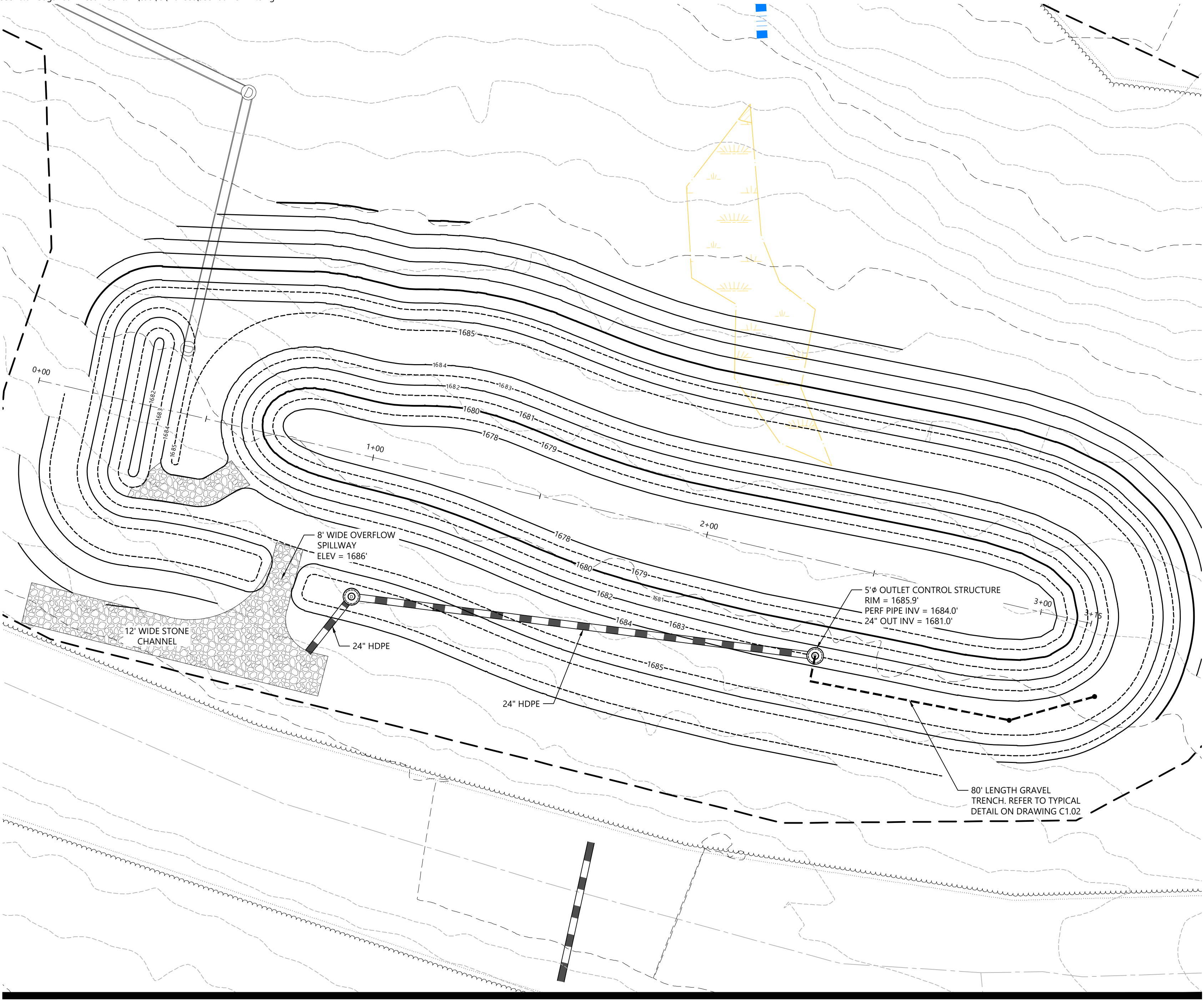
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Drawing Title: Stormwater Facility Plan and Profile

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Project Number: 55310.01







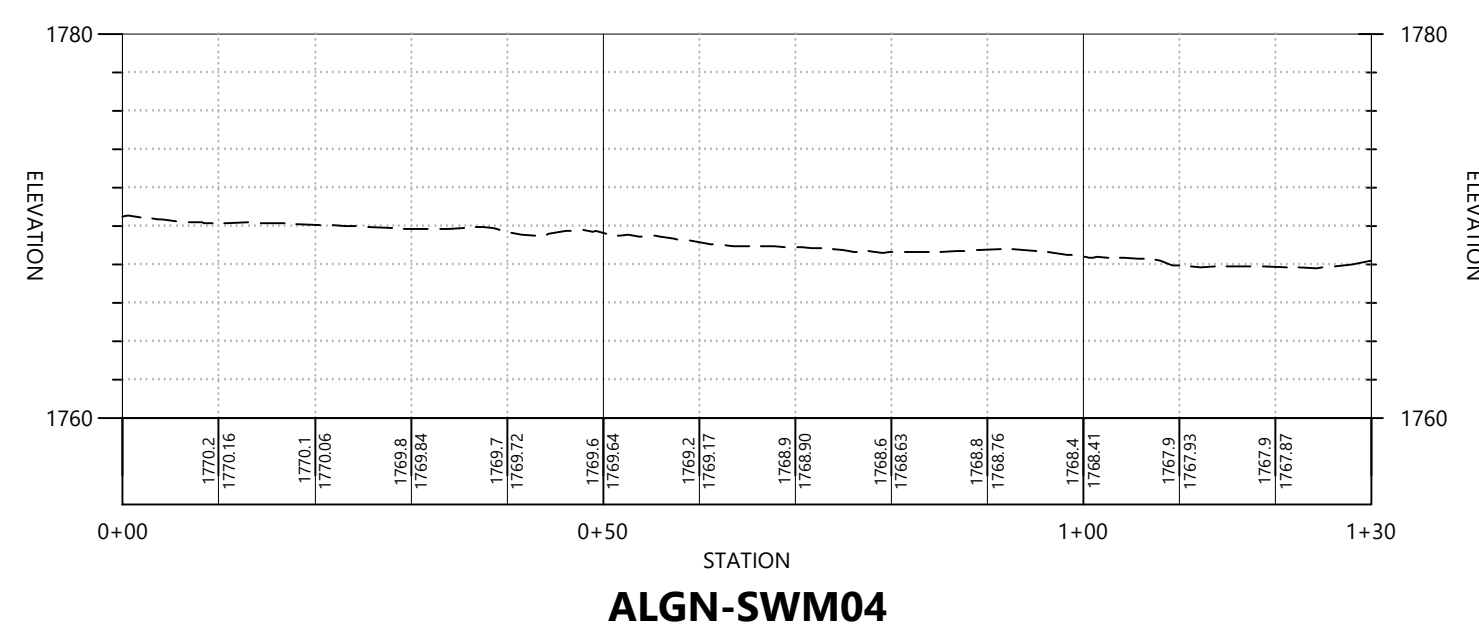
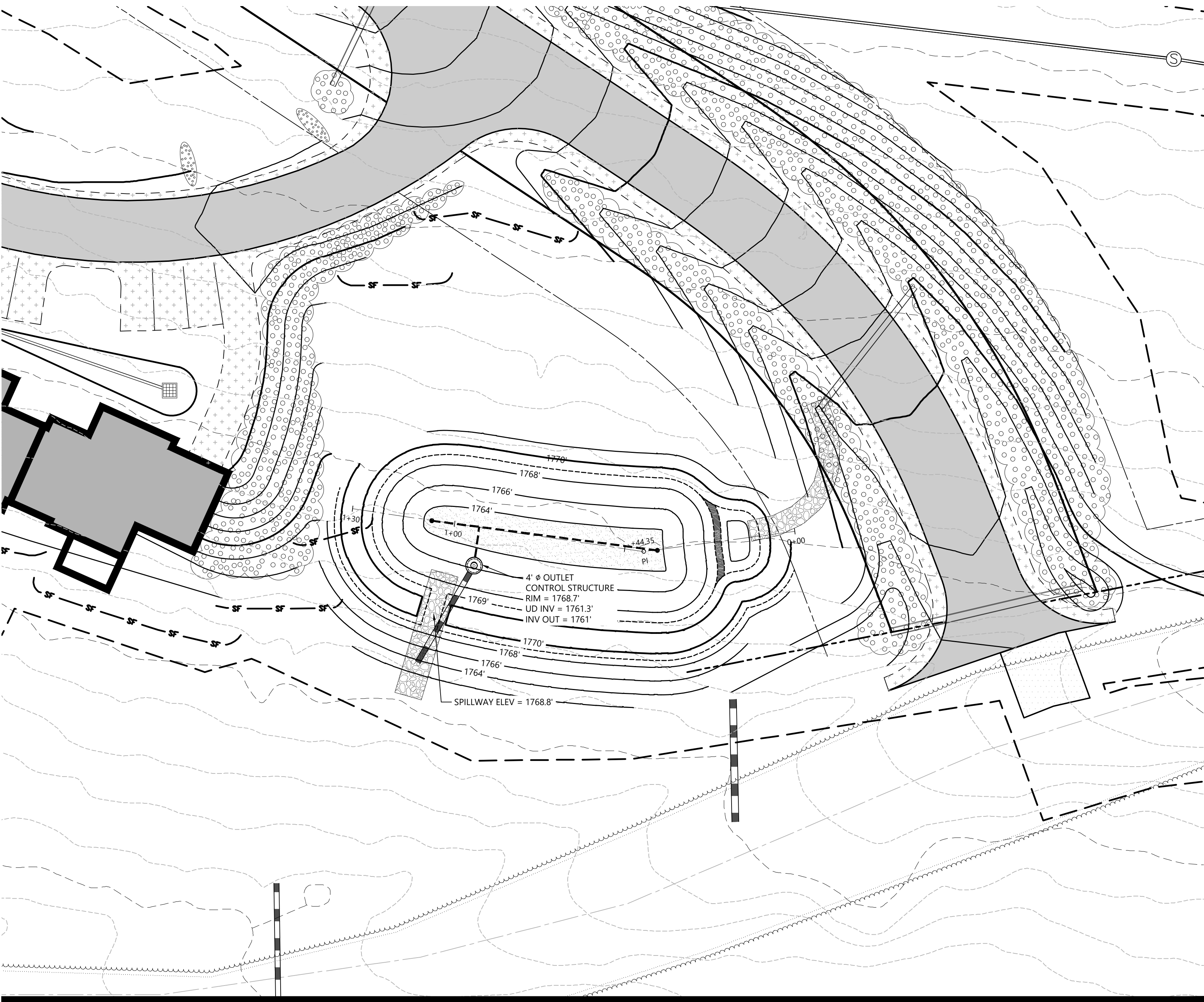
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West Mountain  
Expansion**  
5092 Access Road  
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**Stormwater Facility Plan and Profile**

Drawing Number

CG-3.02

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Project Number

55310.01

STATE OF MAINE  
PETER B. SMIAK  
No. 186934  
LICENSED PROFESSIONAL ENGINEER

*[Signature]*

vhb.com



500 Southborough Drive  
Suite 105B  
South Portland, ME 04106  
207.889.3150

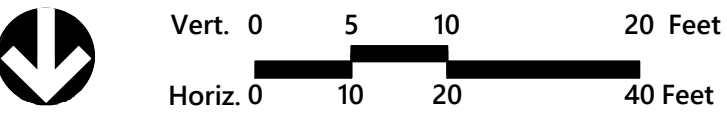
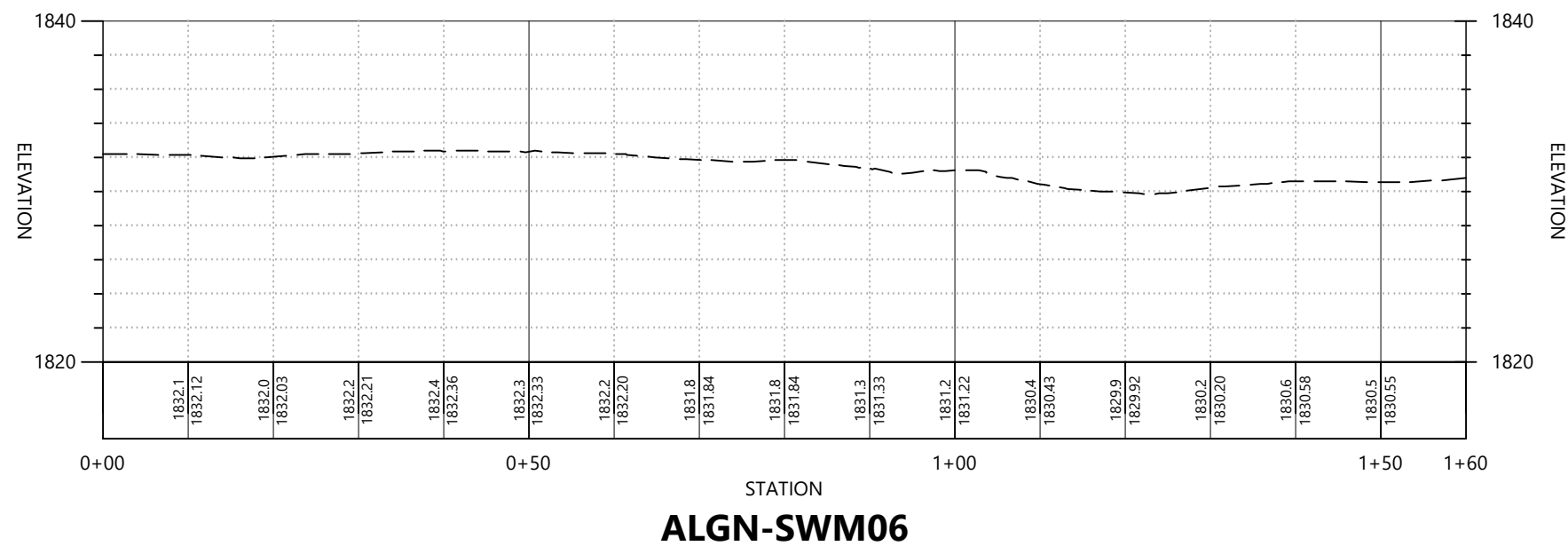
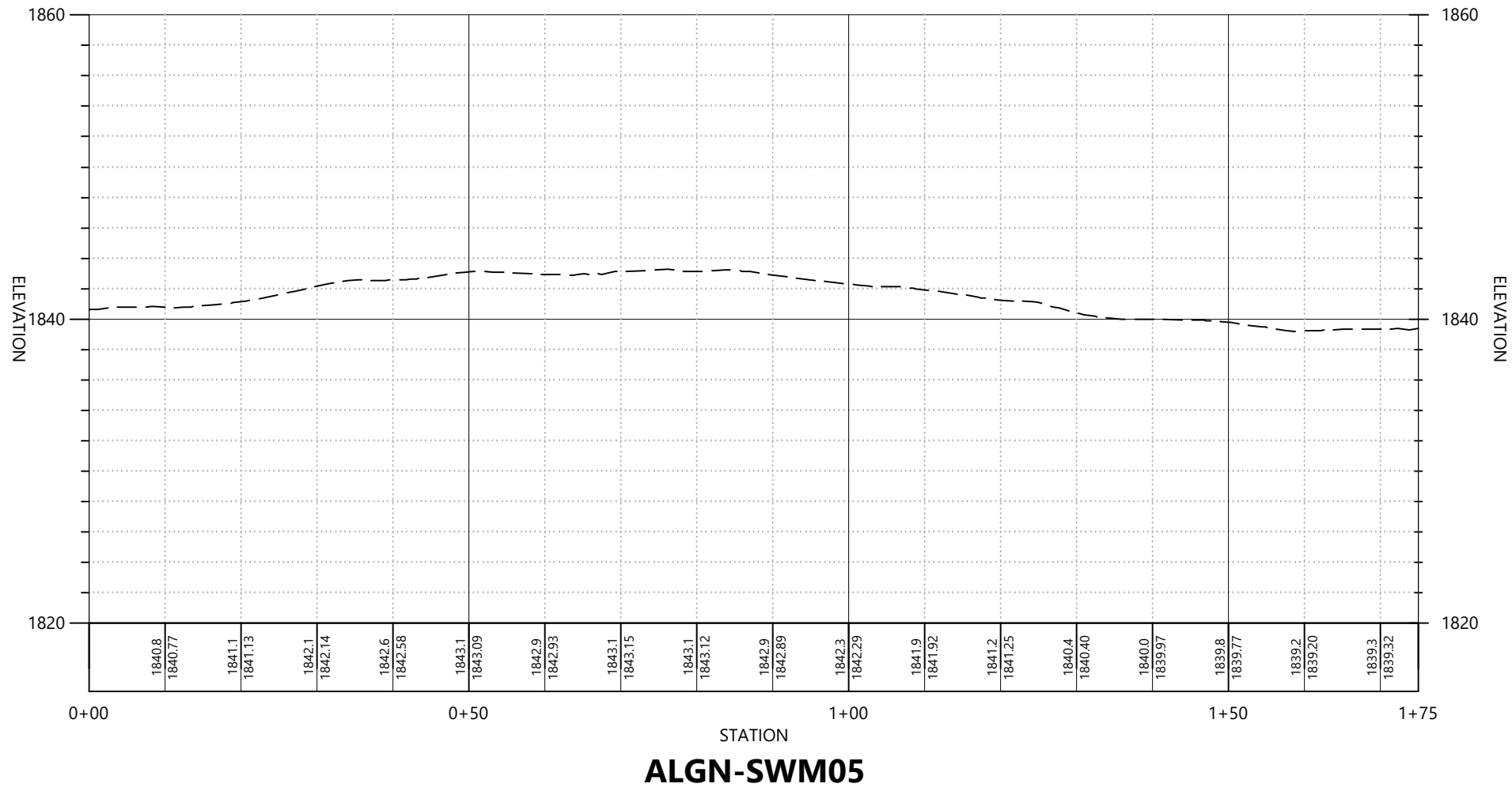
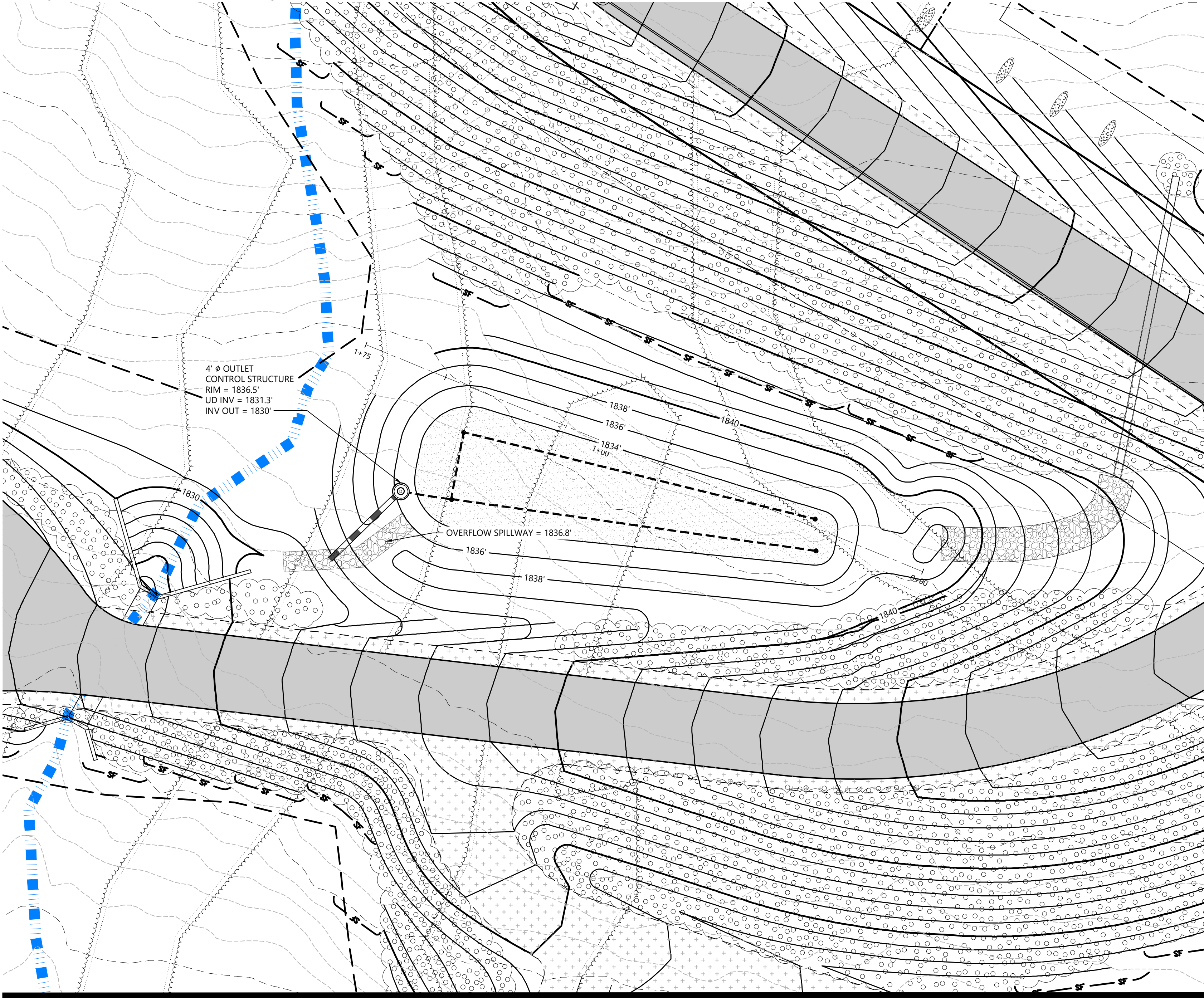
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**55310.01**





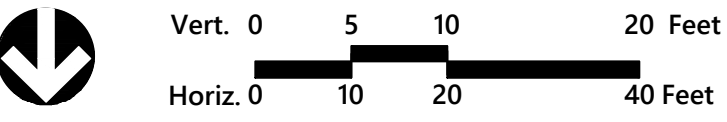
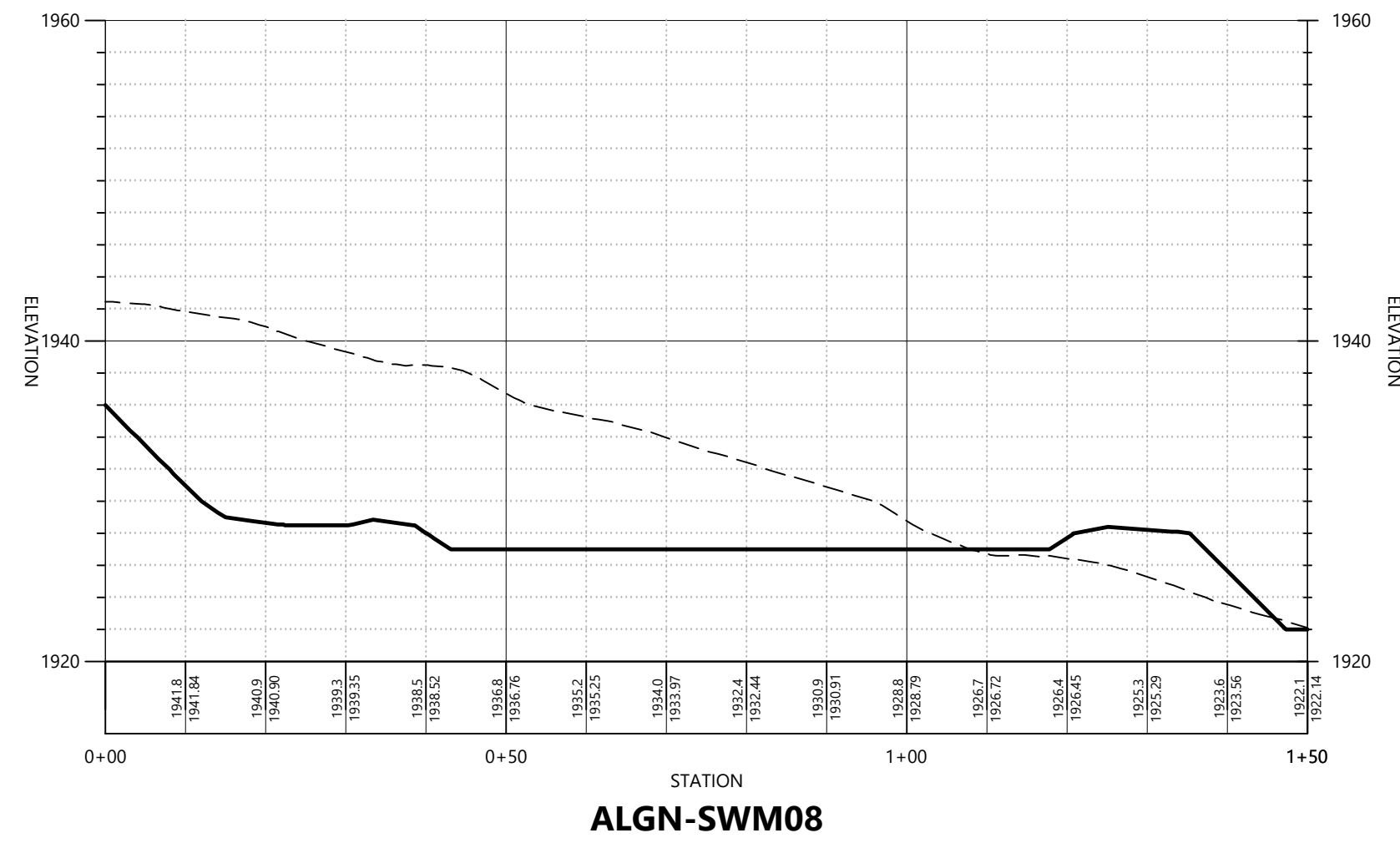
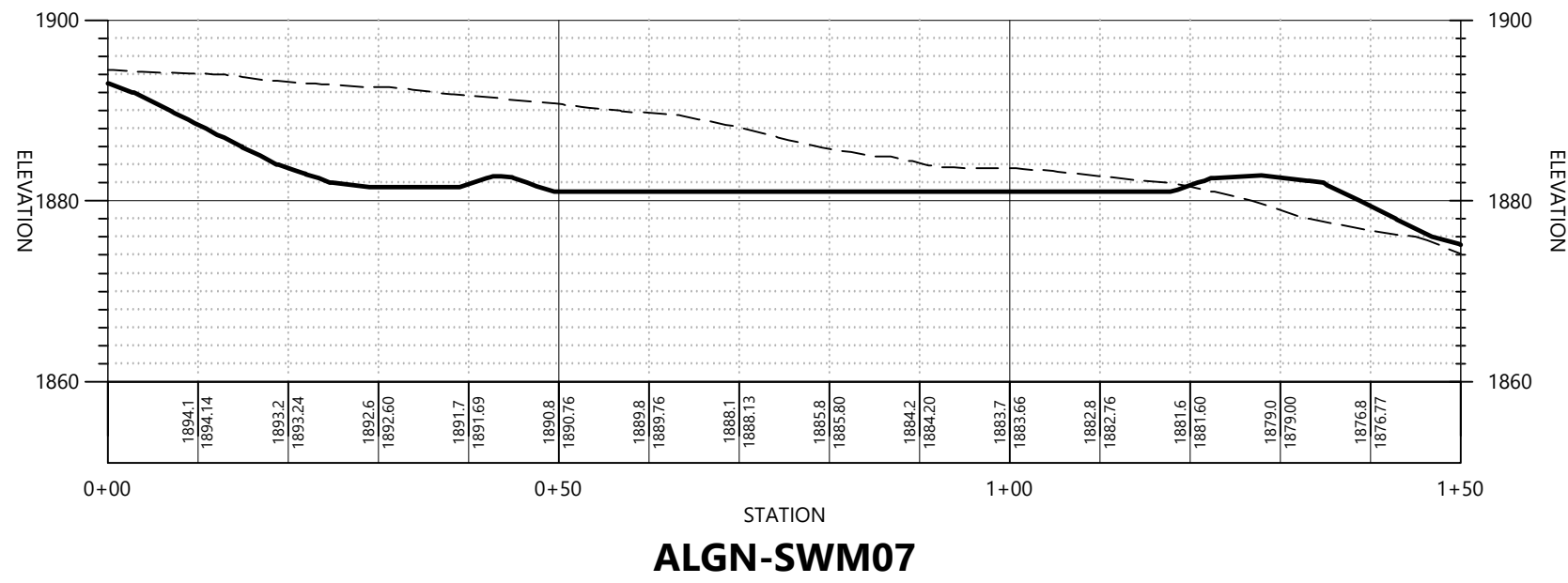
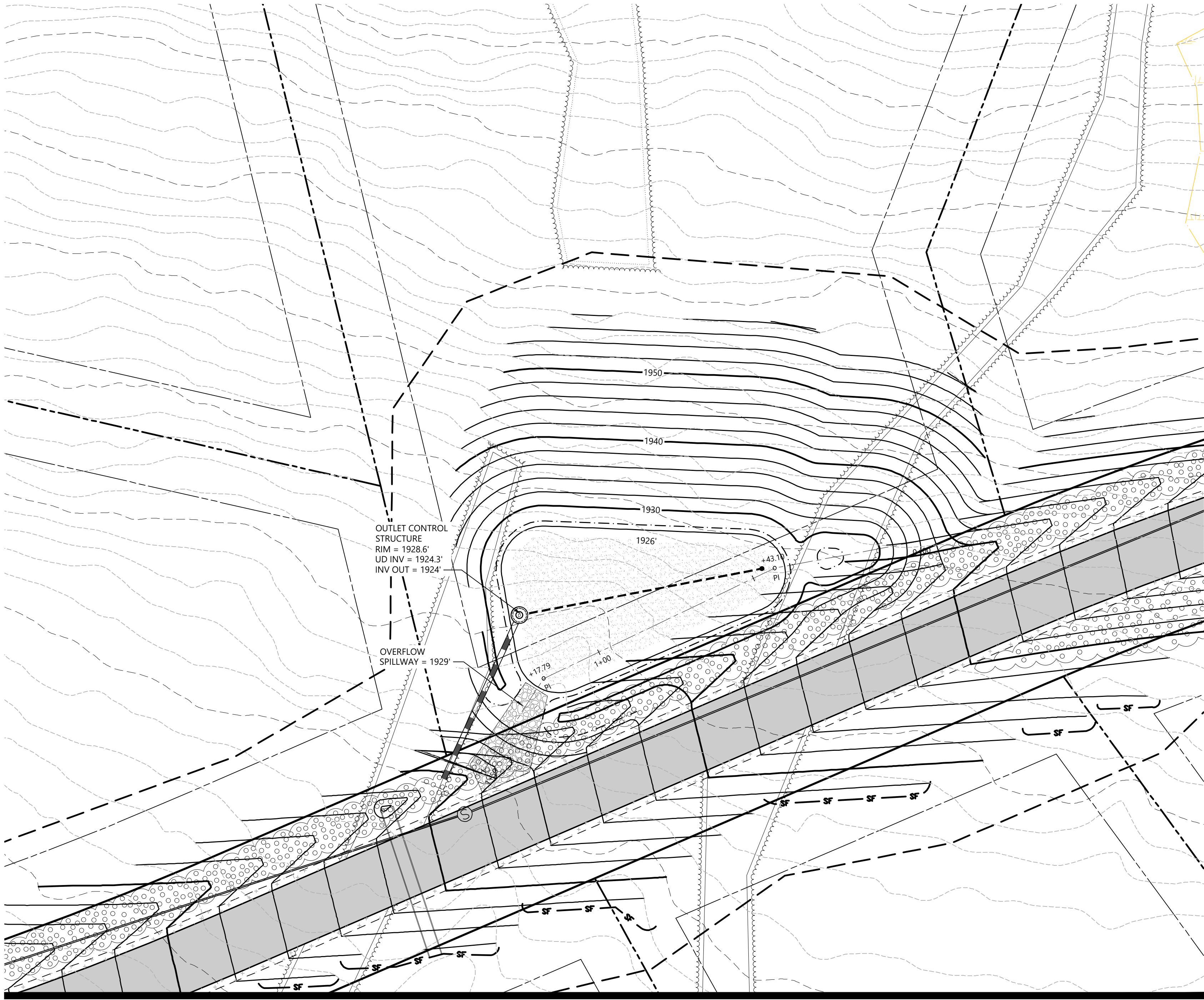
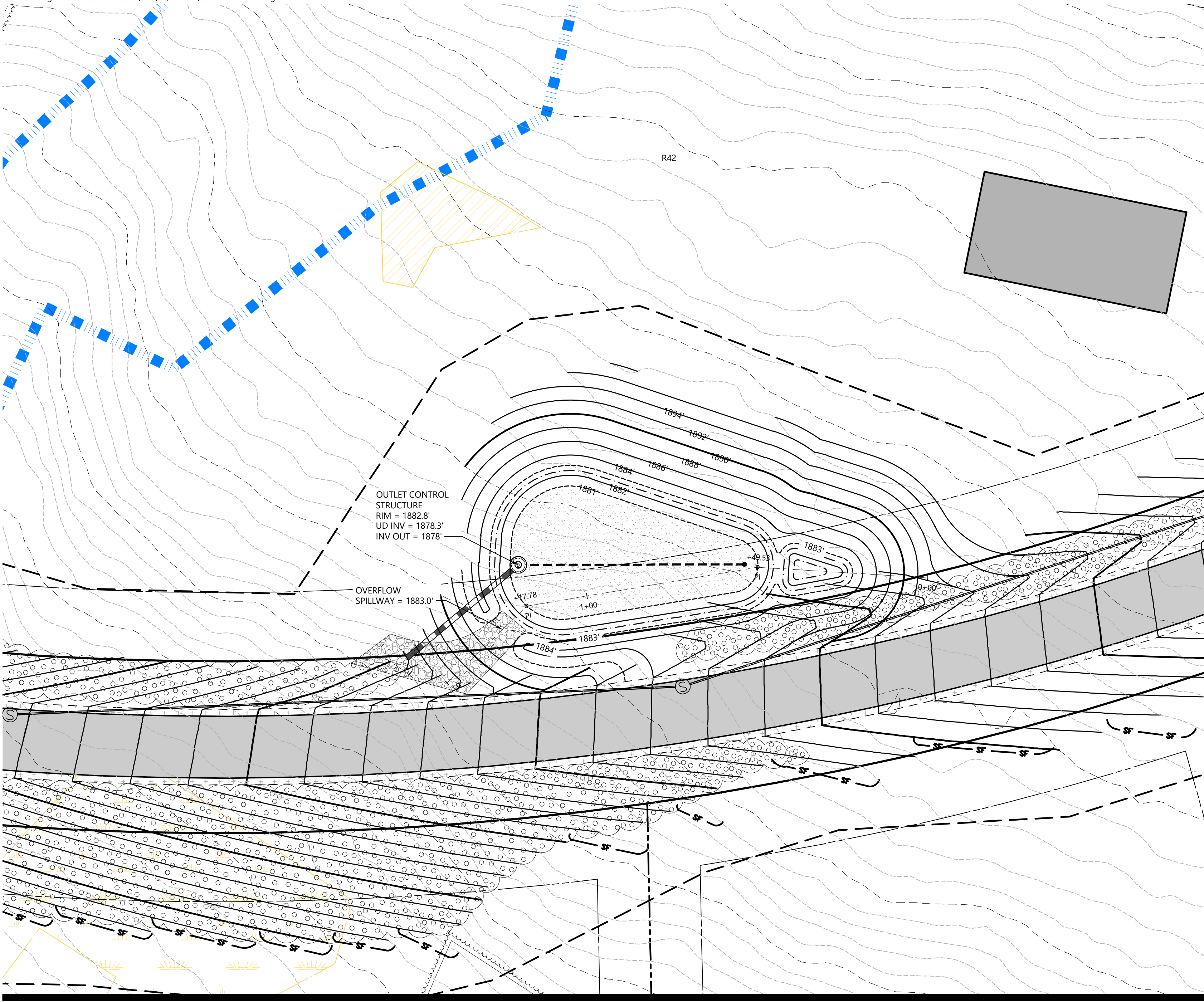
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West Mountain  
Expansion**  
5092 Access Road  
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5092 Access Road  
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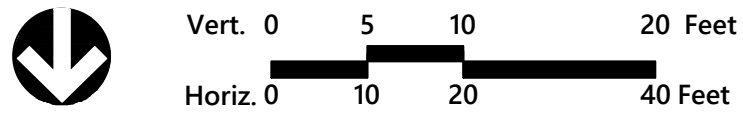
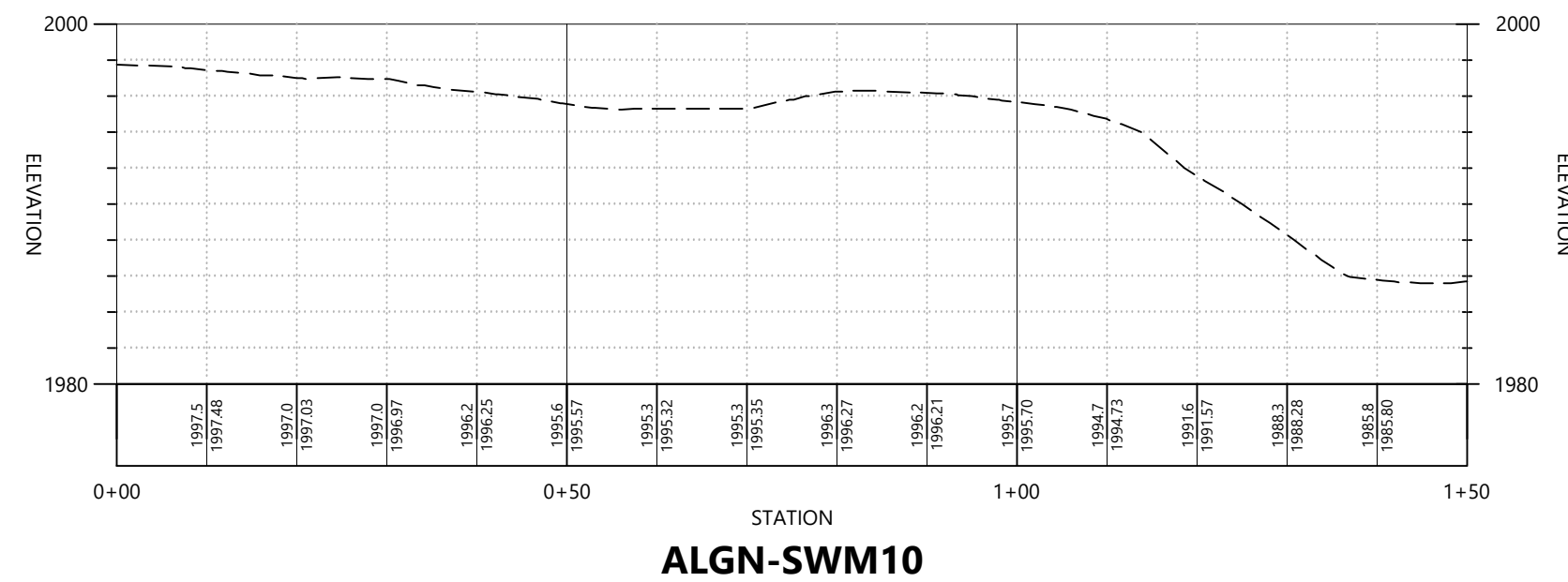
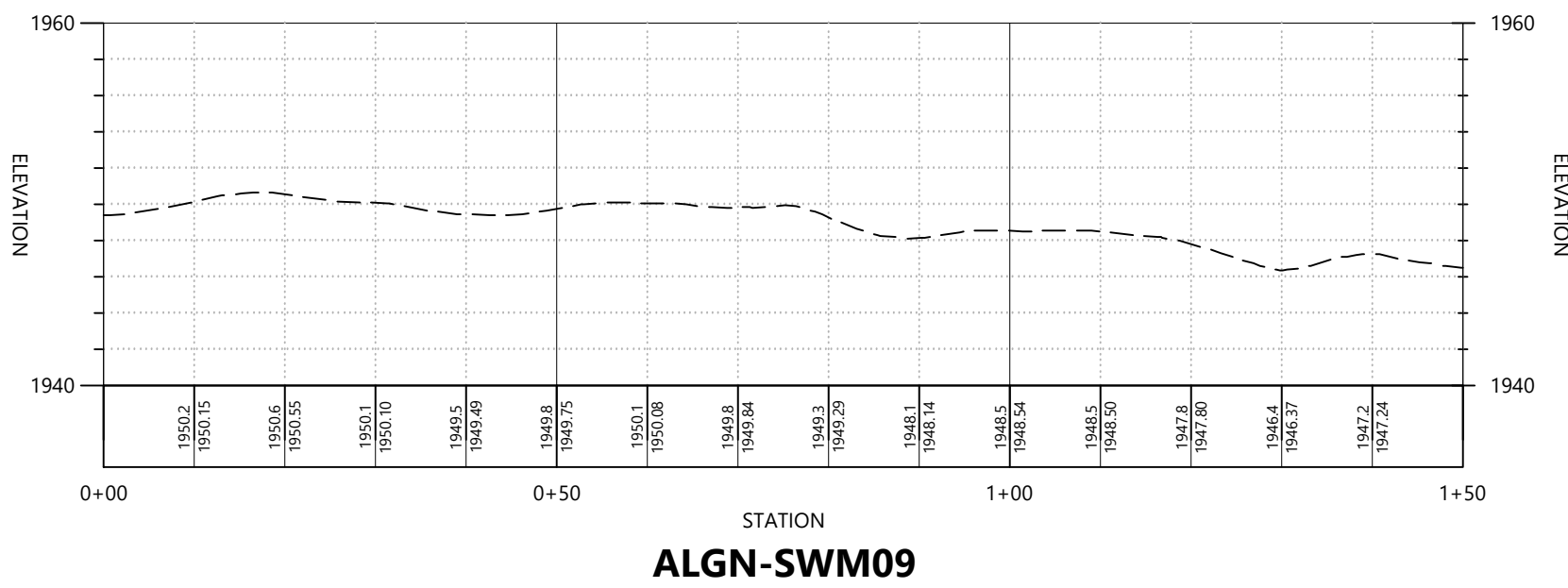
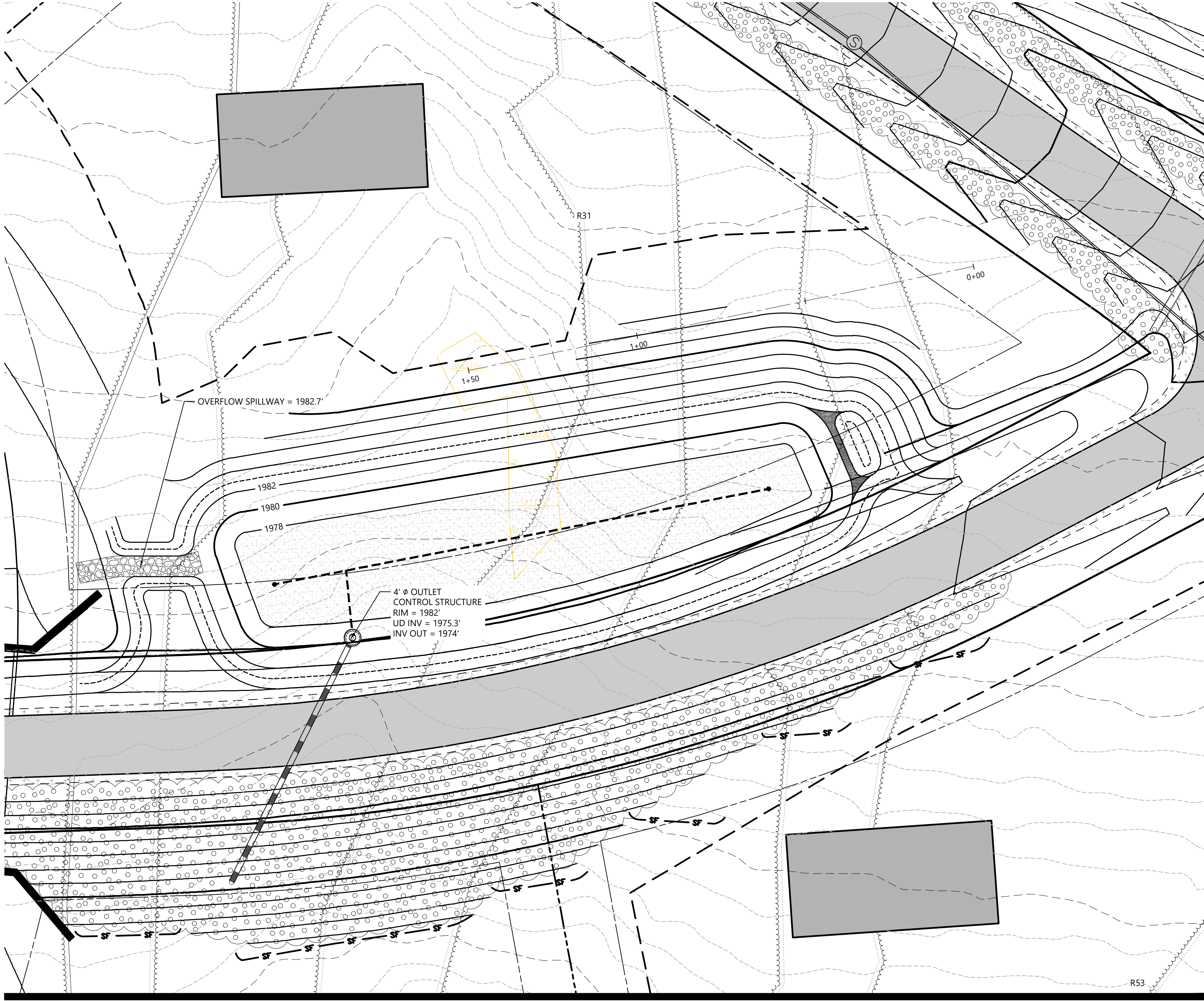
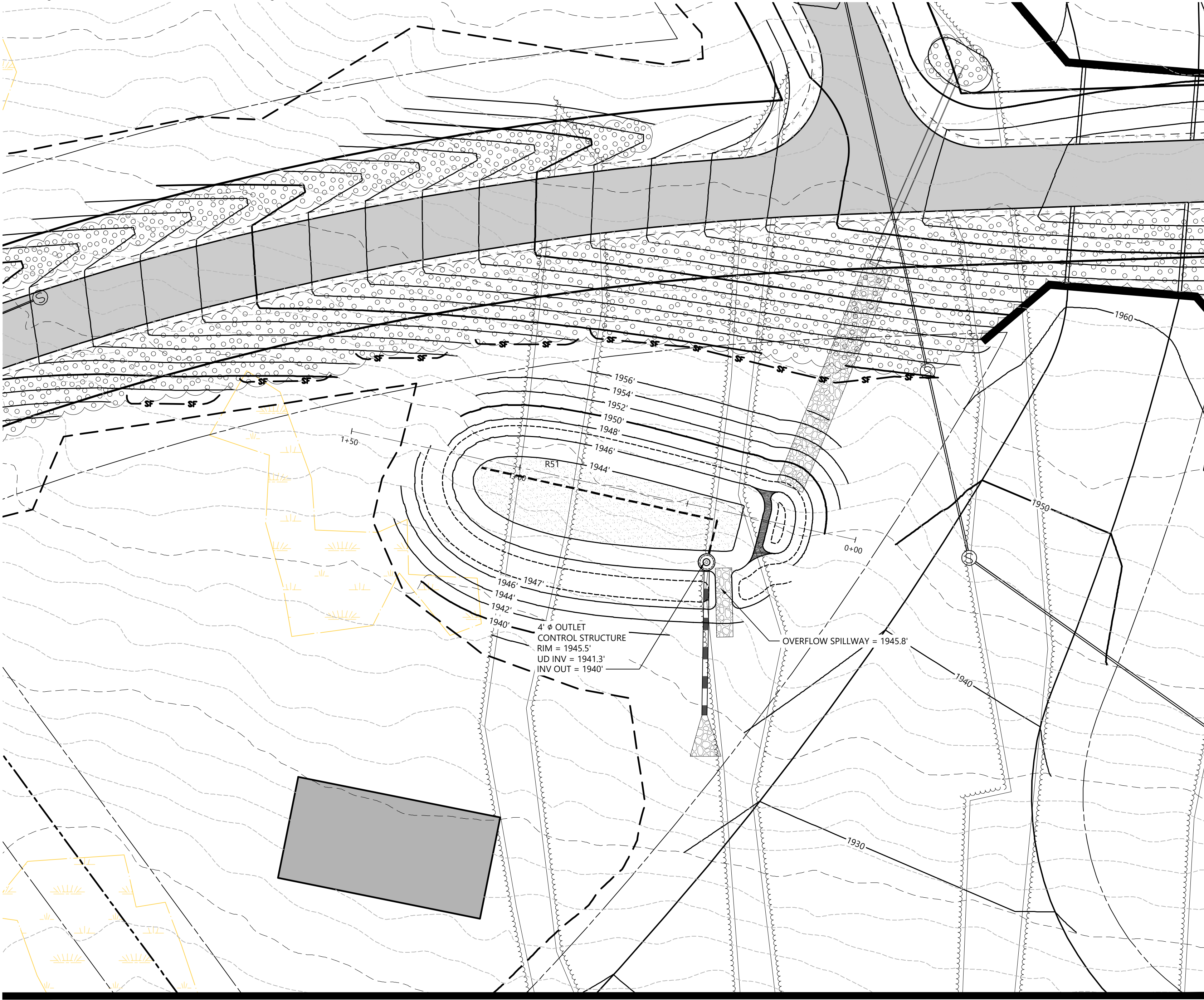
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Profile**

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**CG-3.04**  
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55310.01





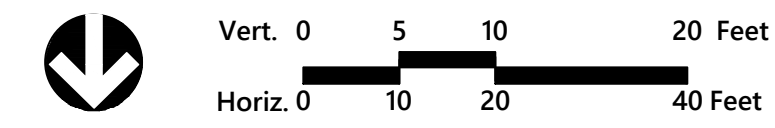
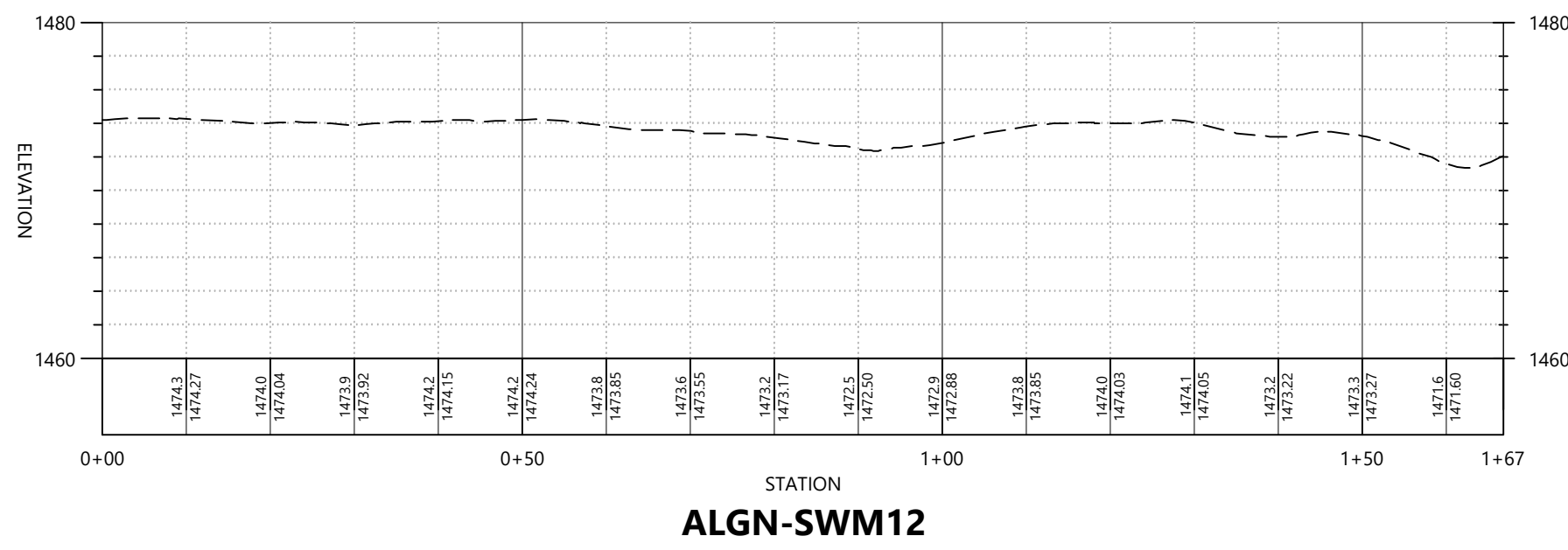
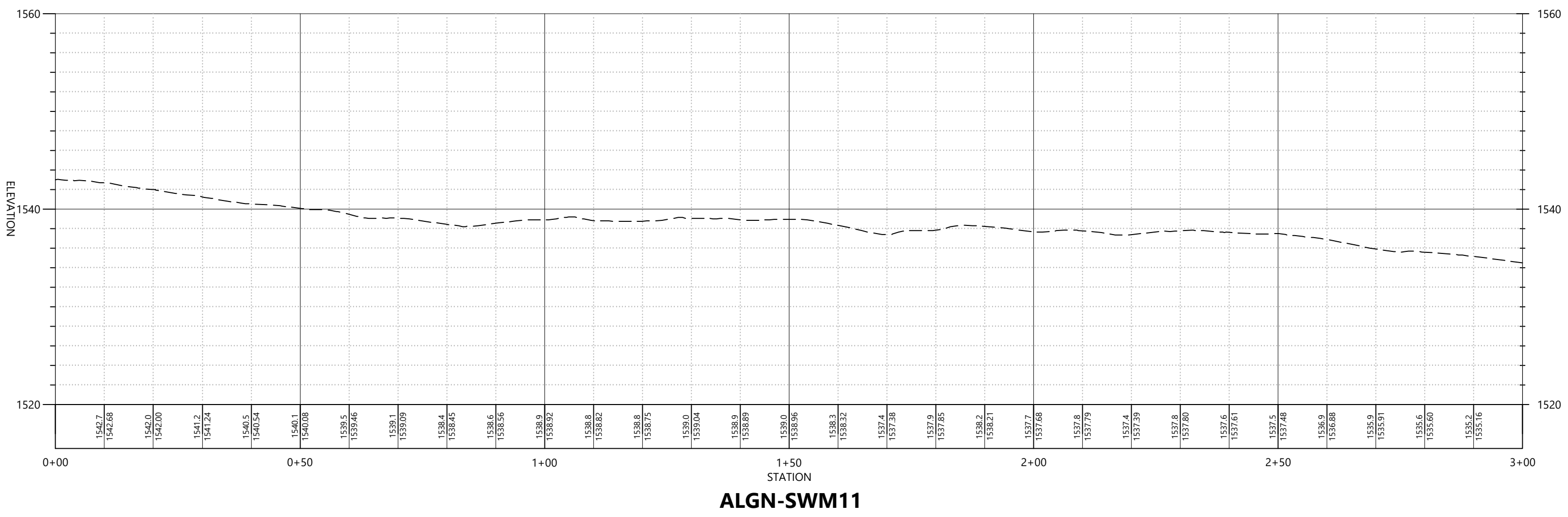
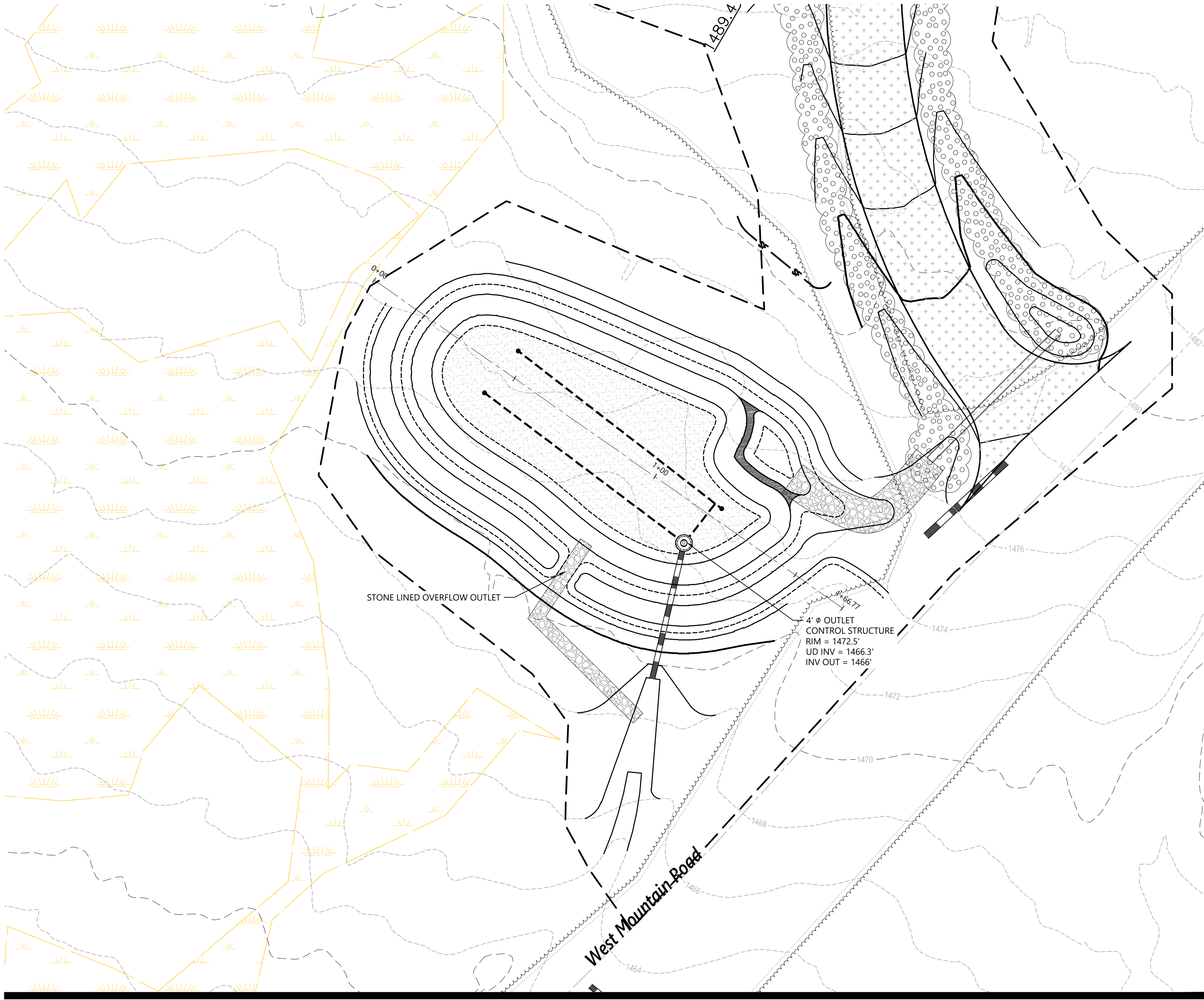
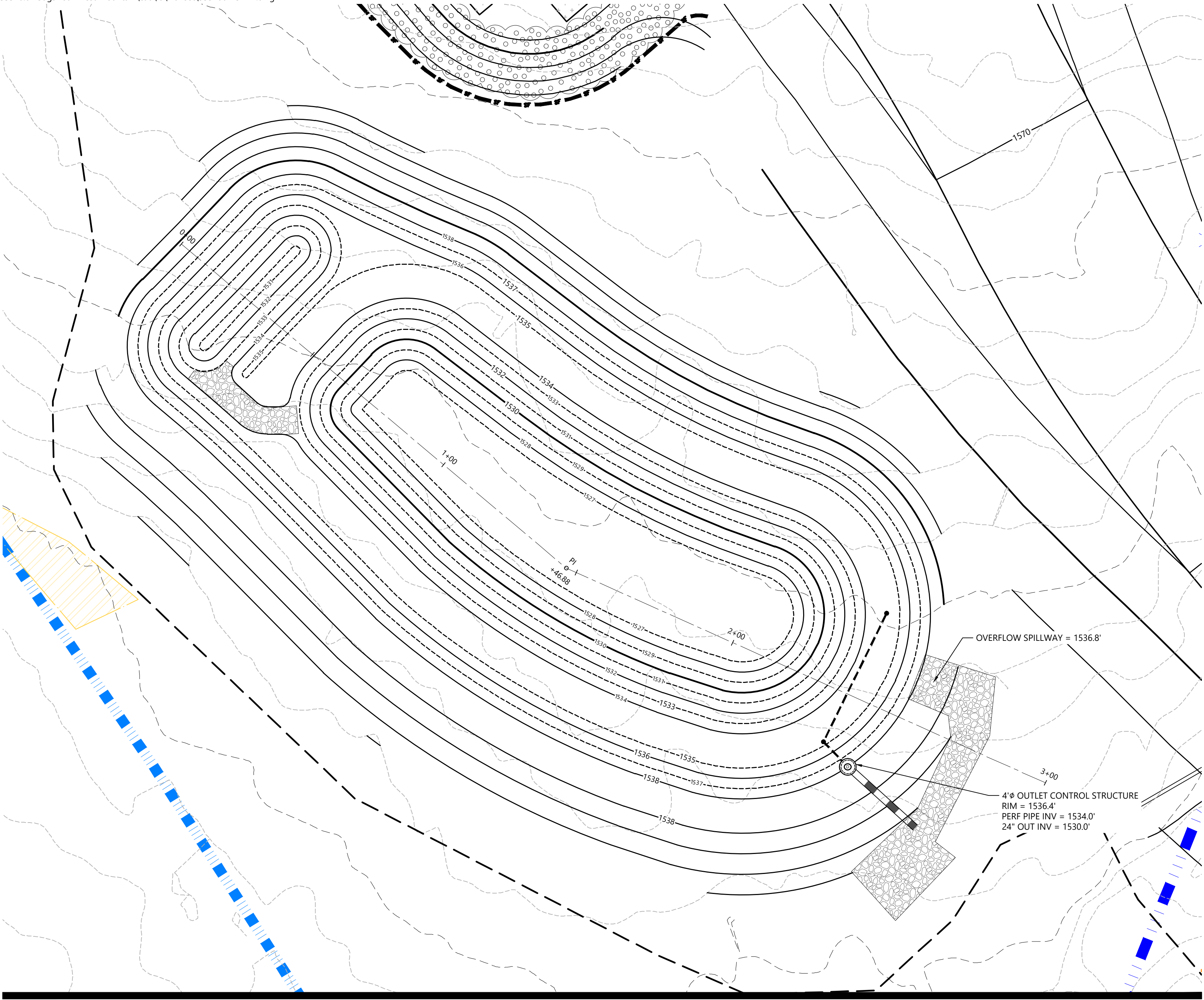
**Sugarloaf Mtn Corp  
West Mountain  
Expansion**  
5092 Access Road  
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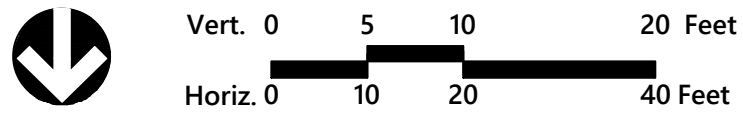
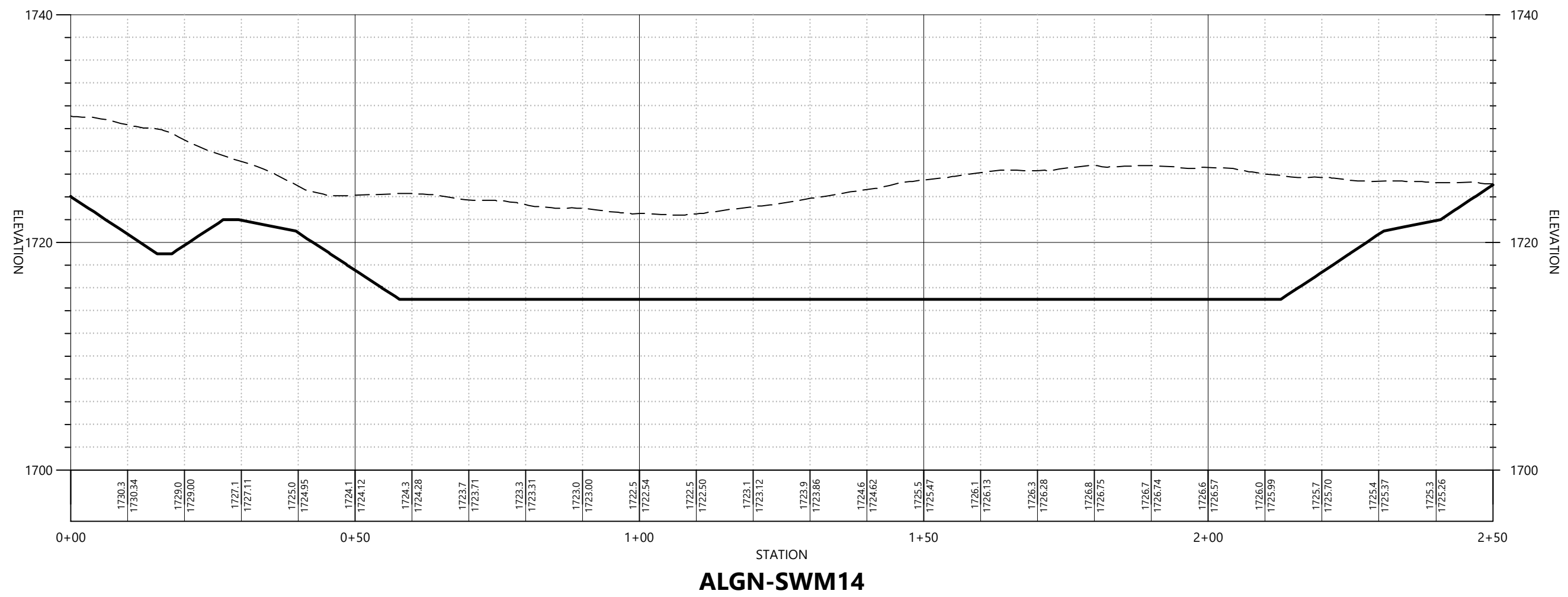
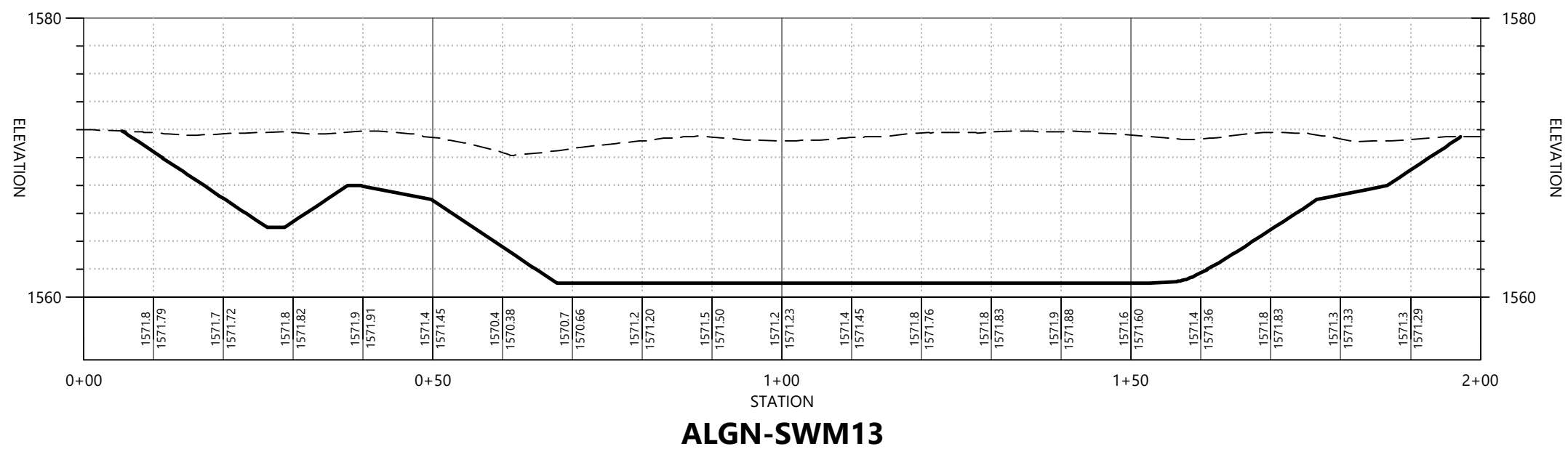
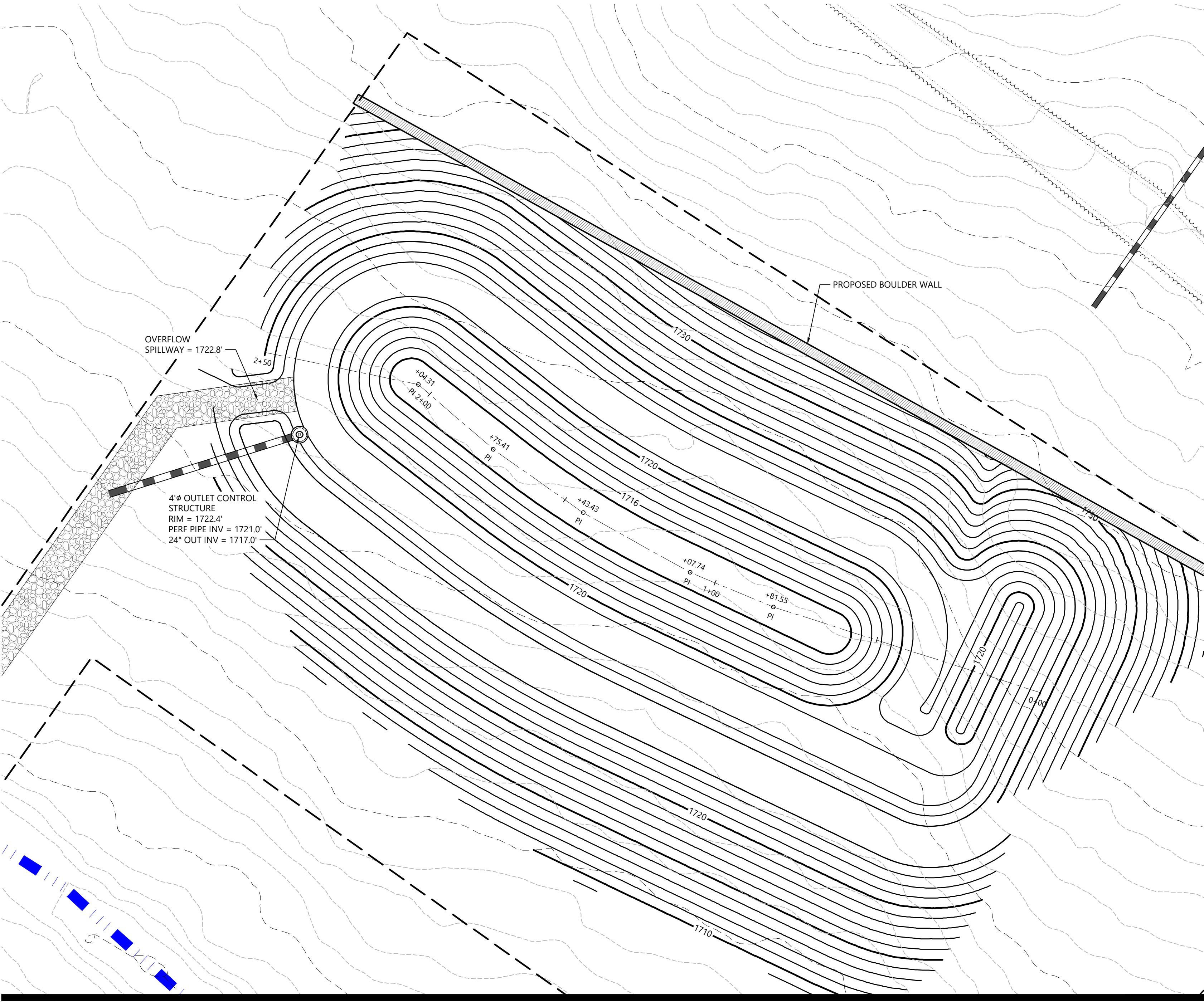
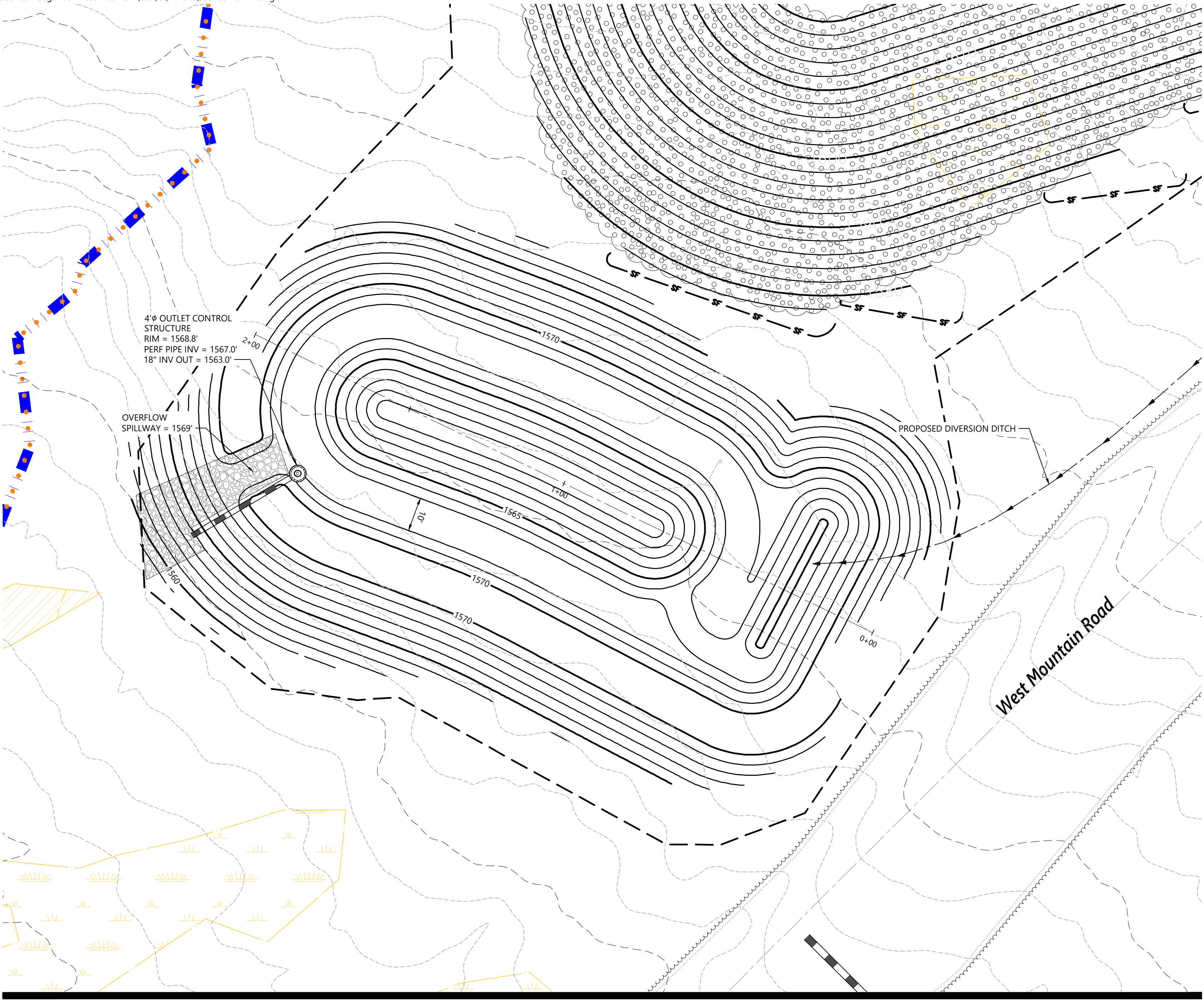
**Sugarloaf Mtn Corp  
West Mountain  
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**CG-3.07**

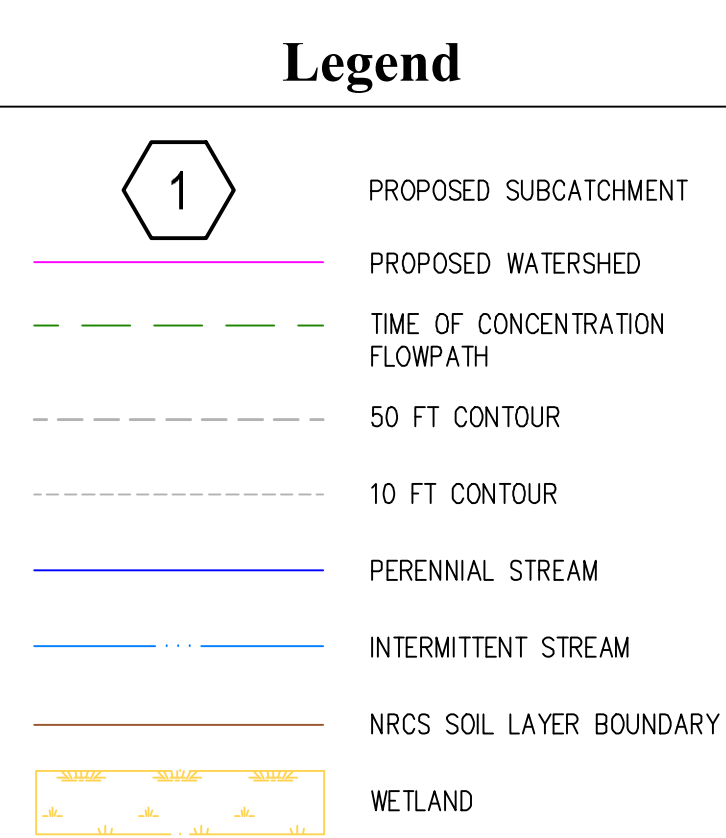
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**55310.01**









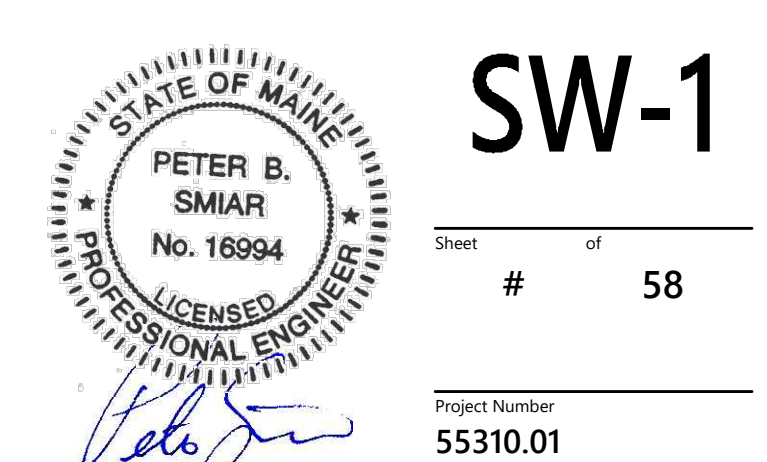
No.	Revision	Date	Appvd.

Designed by <b>ZJD</b>	Checked by <b>PS</b>
Issued for	Date
<b>Review</b>	<b>September 23, 2021</b>

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Drawing Title

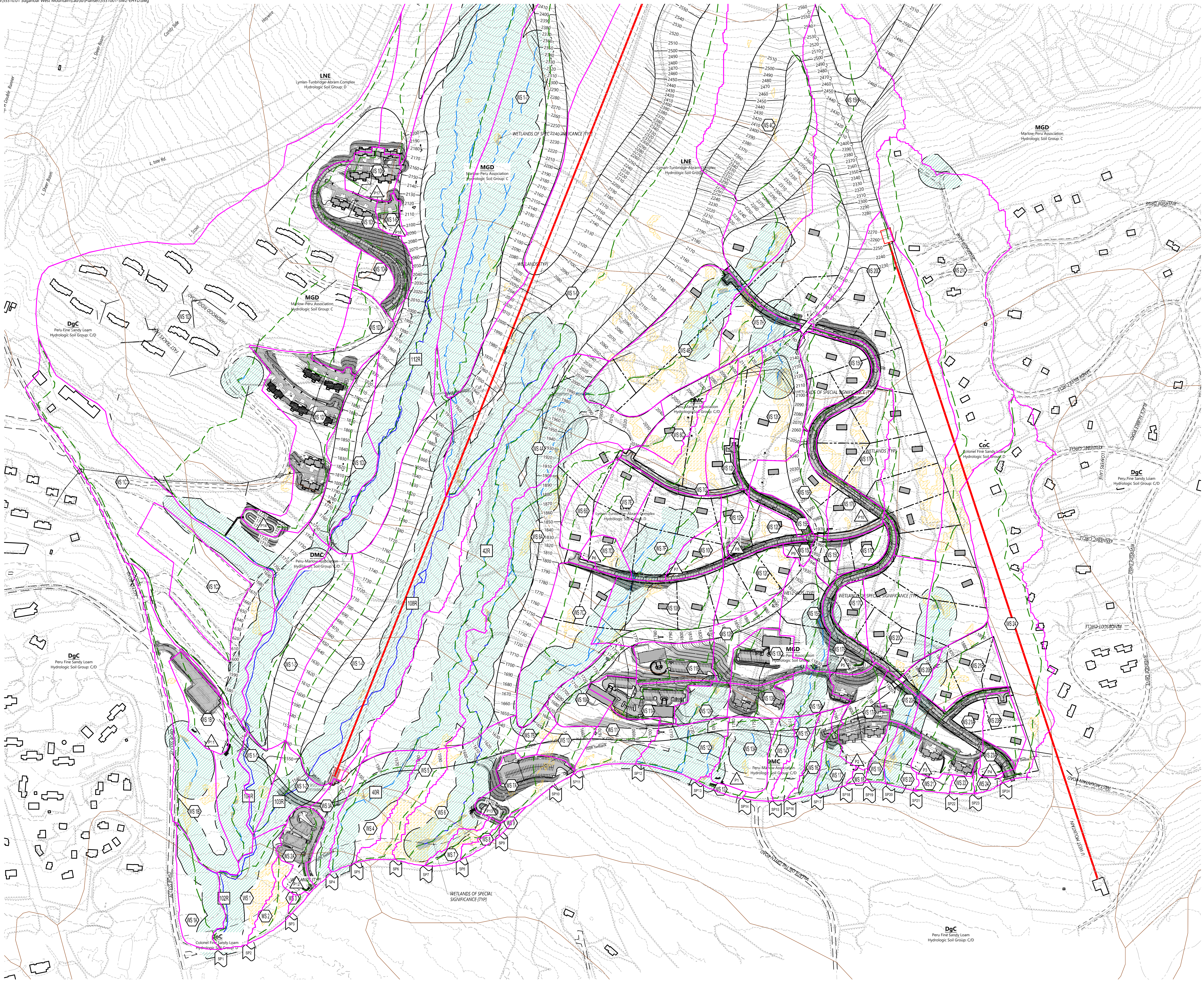
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Conditions Hydrology Plan**





Legend

- PROPOSED SUBCATCHMENT
- PROPOSED WATERSHED
- TIME OF CONCENTRATION FLOWPATH
- 50 FT CONTOUR
- 10 FT CONTOUR
- PERENNIAL STREAM
- INTERMITTENT STREAM
- NRCS SOIL LAYER BOUNDARY
- WETLAND



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West Mountain  
Expansion**

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Proposed Conditions  
Hydrology Plan

Drawing Number

**SW-1.1**

Sheet # 58

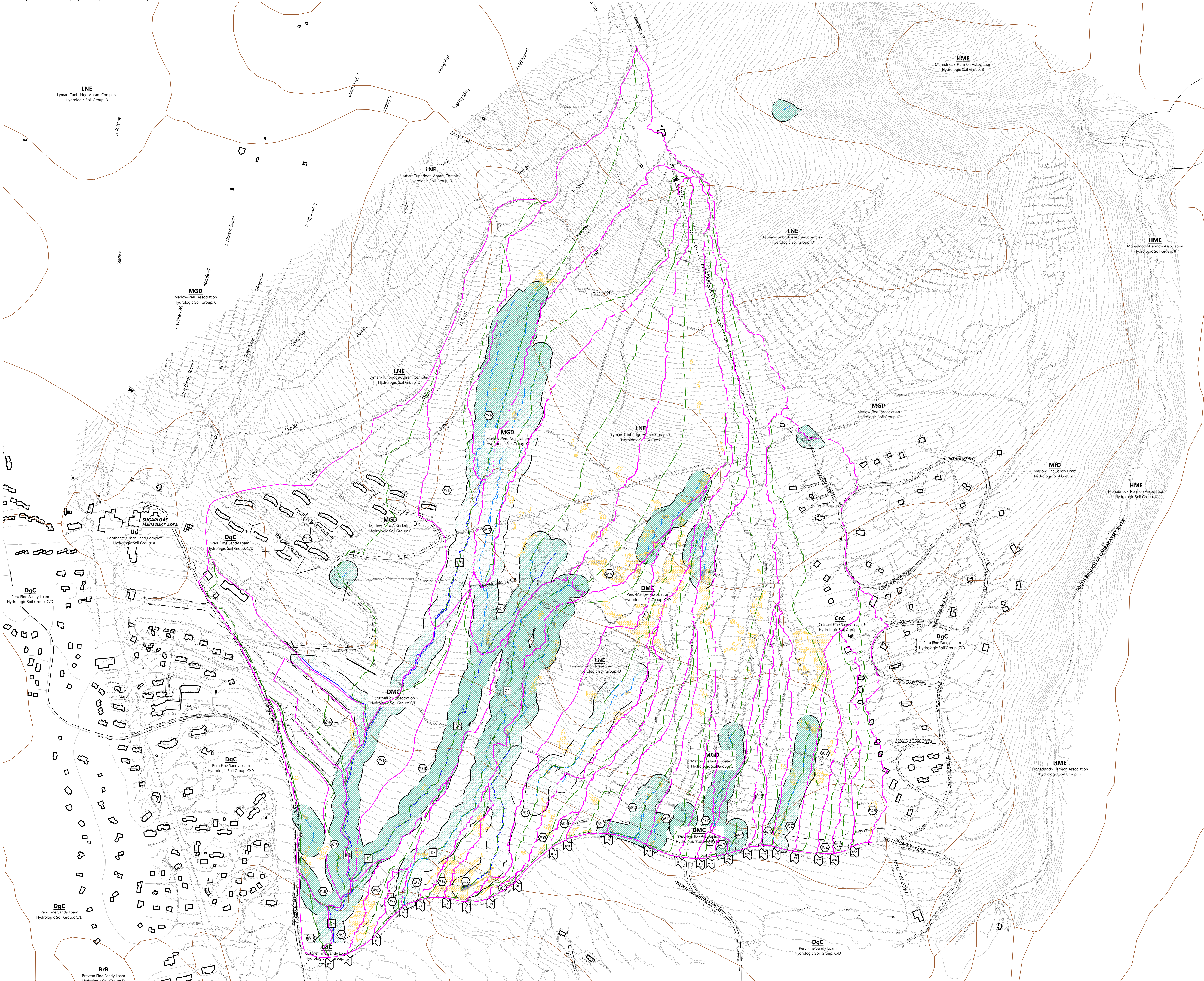
Project Number 55310.01

**PETER B. SMAR**  
No. 18994  
LICENSED PROFESSIONAL ENGINEER



Legend

- 1
- EXISTING SUBCATCHMENT
- EXISTING WATERSHED
- TIME OF CONCENTRATION FLOWPATH
- 50 FT CONTOUR
- 10 FT CONTOUR
- PERENNIAL STREAM
- INTERMITTENT STREAM
- NRCS SOIL LAYER BOUNDARY
- WETLAND



0 150 300 600 feet

**Sugarloaf Mtn Corp  
West Mountain  
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Carrabassett Valley, ME 04947

No. Revision Date Appr.

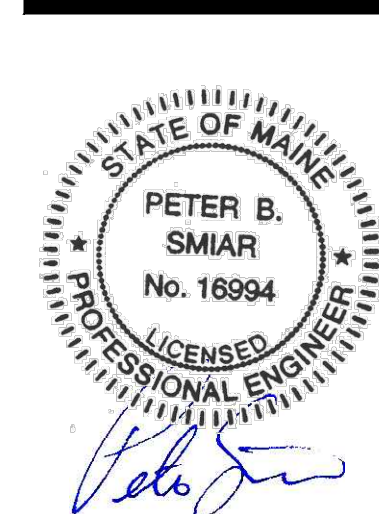
Designed by: ZJD Checked by: PS

Issued for: Date: September 23, 2021

Review

Not For Construction

Existing Conditions  
Hydrology Plan



**SW-2**

Sheet # 58 of

Project Number  
55310.01



Construction Sequence

1. SURVEY AND STAKE LIMITS OF CLEARING AND GRUBBING.
2. SURVEY AND STAKE (50 FT OC) LIMITS OF CLEARING AND DISTURBANCE.
3. INSTALL TEMPORARY EROSION CONTROL MEASURES (SILT FENCING, SILT SOCKS, CONSTRUCTION EXITS, ETC.).
4. CLEAR AND GRUB WITHIN LIMIT OF ACCESS ROAD. LIMITS OF CLEARING INDICATE AREAS WHERE TREES WILL BE CUT AND STUMPS WILL REMAIN IN THE GROUND.
5. STRIP LOAM AND PAVEMENT OR RECLAIM EXISTING PAVEMENT WITHIN LIMITS OF WORK AND STOCKPILE EXCESS MATERIAL.
6. CONSTRUCT TEMPORARY SEDIMENTATION BERMS AS REQUIRED.
7. INSTALL DRAINAGE SYSTEM, AND OTHER UTILITIES IN ACCORDANCE WITH THE PLANS AND DETAILS.
8. PERFORM FINAL / FINE GRADING INCLUDING SLOPE STABILIZATION BLANKETS.
9. PERFORM ALL REMAINING SITE CONSTRUCTION. (I.E. CONCRETE AND GRAVEL AREAS).
10. LOAM AND SEED ALL DISTURBED AREAS.
11. REMOVE TEMPORARY EROSION CONTROL MEASURES AFTER FINAL SURFACING IS INSTALLED, AND LANDSCAPING AREAS ARE ESTABLISHED AND STABILIZED.
12. CLEAN ALL DRAINAGE BASINS, STRUCTURES, PIPES, AND SUMPS WITHIN THE PROJECT LIMITS OF ALL SILT AND DEBRIS.

General

1. CONTRACTOR SHALL READ, BE FAMILIAR WITH, AND SHALL FOLLOW THE MAINE EROSION AND SEDIMENT CONTROL BMPs MANUAL (LATEST EDITION) AND MAINE EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONTRACTORS (LATEST EDITION); AND SHALL BE ACCOUNTABLE TO THE THIRD PARTY INSPECTOR FOR THE PROJECT AND THE MAINE DEP IN ACCORDANCE WITH MAINE DEP REGULATIONS.
2. PRIOR TO STARTING ANY OTHER WORK ON THE SITE, THE CONTRACTOR SHALL NOTIFY APPROPRIATE AGENCIES AND SHALL INSTALL TEMPORARY EROSION CONTROL MEASURES AS SHOWN ON THE PLANS AND AS IDENTIFIED IN FEDERAL, STATE, AND LOCAL APPROVAL DOCUMENTS PERTAINING TO THIS PROJECT.
3. CONTRACTOR SHALL BE FULLY RESPONSIBLE TO CONTROL CONSTRUCTION SUCH THAT SEDIMENTATION SHALL NOT AFFECT REGULATORY PROTECTED AREAS, WHETHER SUCH SEDIMENTATION IS CAUSED BY WATER, WIND, OR DIRECT DEPOSIT.
4. MINIMUM TEMPORARY AND PERMANENT EROSION AND SEDIMENTATION CONTROL MEASURES ARE SHOWN ON THE EROSION AND SEDIMENTATION CONTROL PLAN. THE CONTRACTOR SHALL ADHERE TO THE MINIMUM PROVISIONS SHOWN. ADDITIONALLY, TEMPORARY MEASURES SHALL BE SELECTED AND CONSTRUCTED BY THE CONTRACTOR IN CONSULTATION WITH THE ENGINEER TO ACCOMMODATE CHANGING FIELD CONDITIONS THAT DEVELOP DURING CONSTRUCTION.
5. PUMPED WATER FROM DEWATERING ACTIVITIES SHALL BE DISCHARGED INTO SETTLING BASINS, FILTER BAGS OR OTHER APPROVED METHODS PRIOR TO DISCHARGE INTO THE ON-SITE STORMWATER MANAGEMENT SYSTEM. ALL WATER FROM DEWATERING ACTIVITIES SHALL BE RECHARGED ON-SITE OR DIRECTED TO THE DETENTION BASIN FOR DISCHARGE.
6. NO MORE THAN 1 ACRE SHOULD BE UNSTABILIZED AT ONE TIME WITHOUT REGULAR INSPECTION OR LIMITED TO AN AREA THAT CAN BE MULCHED IN ONE DAY.

Seeding/Mulching

1. FERTILIZER, SUPERPHOSPHATE, AND LIME SHALL BE APPLIED AT RATES RECOMMENDED BY THE TESTING AGENCY AND APPROVED BY THE ENGINEER.
2. PERMANENT SEED SHALL BE SUPPLIED IN THE FOLLOWING PROPORTIONS AND APPLIED AT A RATE OF FIVE POUNDS PER 1,000 SF:  
SEED TYPE (% PROPORTION/% GERMINATION MIN./% PURITY MIN.)  
CREEPING FESCUE (50/85/95)  
KENTUCKY BLUEGRASS (40/85/90)  
MANHATTAN PERENNIAL RYE (10/90/95)
3. AREA OF STORMWATER POND BERMS AND SKI TRAILS SHALL BE PLANTED WITH A MEADOW SEED MIX AND NOT MOWED MORE THAN TWICE A YEAR. CONTRACTOR TO PROVIDE FINAL MEADOW SEED MIX TO ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION.
4. TEMPORARY SEED SHALL BE SUPPLIED IN THE FOLLOWING PROPORTIONS AND APPLIED AT A RATE OF 100 POUNDS PER ACRE:  
SEED TYPE (% WEIGHT MIN./% GERMINATION MIN.)  
WINTER RYE (80/85)  
RED FESCUE - CREEPING (4/80)  
PERENNIAL RYE GRASS (3/90)  
RED CLOVER (3/90)
5. MULCH SHALL BE APPLIED TO AREAS IMMEDIATELY AFTER THEY HAVE BEEN SEEDED. MULCH SHALL CONSIST OF HAY, STRAW, HYDRO-MULCH, EROSION CONTROL BLANKETS, EROSION CONTROL MIX OR APPROVED EQUAL.
6. HAY OR STRAW MULCH SHALL BE AIR-DRIED; AND FREE OF UNDESIRABLE SEEDS AND COARSE MATERIALS. MULCH SHALL BE APPLIED AT A MINIMUM RATE OF 75 LB PER 1,000 SF. MULCH SHALL BE ANCHORED WITH NETTING WHEN APPLIED TO SLOPES LESS THAN 15 PERCENT.
7. EROSION CONTROL BLANKETS SHALL BE PROVIDED ON ALL SLOPES STEEPER THAN OF 1-FOOT RISE TO 3-FEET HORIZONTAL. BLANKETS SHALL BE SCISO BN (NORTH AMERICAN GREEN), CURLEX BLANKETS (AMERICAN EXCELSIOR COMPANY), POLYUTE STYLE 46S GT (SYNTHETIC INDUSTRIES), OR APPROVED EQUIVALENT. BLANKETS SHALL BE SECURED AS RECOMMENDED BY THE MANUFACTURER.
8. EROSION CONTROL MIX SHALL MEET THE FOLLOWING STANDARDS:  
A. ORGANIC MATTER CONTENT SHALL BE BETWEEN 80%-100%, DRY WEIGHT BASIS,  
B. PARTICLE SIZE BY WEIGHT: 100% PASSING THE 6" SCREEN  
70% TO 85% PASSING THE 0.75" SCREEN  
C. ORGANIC PORTION SHALL BE FIBROUS AND ELONGATED  
D. SOLUBLE SALTS CONTENT SHALL BE < 4.0 MMHOS/CM, AND  
E. pH SHALL BE BETWEEN 5.0 AND 8.0.

Temporary Erosion Control Measures

1. CONTRACTOR SHALL PERFORM CONSTRUCTION SEQUENCING SUCH THAT EARTH MATERIALS ARE EXPOSED FOR A MINIMUM AMOUNT OF TIME BEFORE THEY ARE COVERED, SEEDED, OR OTHERWISE STABILIZED TO PREVENT EROSION. AREAS REMAINING UNSTABILIZED FOR A PERIOD OF MORE THAN 15 DAYS SHALL BE TEMPORARILY MULCHED. TOTAL EXPOSED AREAS SHALL BE LIMITED TO NO MORE THAN CAN BE MULCHED IN ONE DAY.
2. TEMPORARY MULCH SHALL BE APPLIED TO UNSTABILIZED AREAS WITHIN 100-FT OF STREAMS, WETLANDS, AND OTHER WATER RESOURCES WITHIN 7 DAYS OF EXPOSING SOIL AND PRIOR TO ANY STORM EVENT.
3. DUST SHALL BE CONTROLLED THROUGH THE USE OF WATER.
4. CONTRACTOR SHALL PROVIDE TEMPORARY SILTATION/DEWATERING BASINS, IF NECESSARY AND/OR AS DIRECTED BY THE ENGINEER, TO CONTROL SEDIMENTATION AND STORMWATER RUNOFF DURING THE CONSTRUCTION PERIOD. CONTRACTOR SHALL SUBMIT PROPOSED BASIN LOCATIONS, DESIGNS, ETC. TO THE ENGINEER FOR REVIEW PRIOR TO CONSTRUCTION.
5. EARTH MATERIAL STOCKPILES SHALL BE LOCATED IN AREAS THAT HAVE A MINIMUM POTENTIAL FOR EROSION AND KEPT AS FAR AWAY AS POSSIBLE FROM EXISTING DRAINAGE COURSES, PROTECTED NATURAL RESOURCES, TREE DRIP LINES AND OUTSIDE OF THE 100-YEAR FLOOD PLAIN. SEDIMENT BARRIERS SHALL BE INSTALLED DOWNGRADIENT OF STOCKPILES. STORMWATER SHOULD BE DIRECTED AWAY FROM STOCKPILE LOCATIONS.

6. REPAIR, CLEAN, AND REPLACE ANY SEDIMENT CONTROLS DAMAGED DURING AND/OR AFTER RAINFALL EVENTS.
7. EROSION CONTROL BLANKETS SHALL BE PLACED IN THE FLOW LINE OF ALL VEGETATED SWALES NOT OTHERWISE PROTECTED BY STONE.
8. EROSION CONTROL BLANKETS OR NETTING OVER LOOSE MULCH SHALL BE APPLIED TO ALL VEGETATED SLOPES GREATER THAN 3:1.
9. AN AREA SHALL BE CONSIDERED STABLE IF ONE OF THE FOLLOWING HAS OCCURRED:  
A. BASE COURSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED;  
B. A MINIMUM OF 90% VEGETATED GROWTH HAS BEEN ESTABLISHED;  
C. A MINIMUM OF 3-INCHES OF NON-EROSIVE MATERIAL, SUCH AS STONE OR RIPRAP, HAS BEEN INSTALLED;  
D. EROSION CONTROL BLANKETS OR EROSION CONTROL MIX HAVE BEEN PROPERLY INSTALLED.

Permanent Erosion Control Measures

1. THE CONTRACTOR SHALL SUBMIT A WRITTEN MANUAL, PREPARED FOR THE OWNER, THAT OUTLINES A SCHEDULE FOR PROPER MAINTENANCE OF THE LAWNS. THIS SCHEDULE SHOULD INCLUDE TIMING AND METHODS FOR MOWING, WATERING, AERATION, FERTILIZATION, LIMING, AND OTHER LAWN MAINTENANCE OPERATIONS.
2. SEEDING SHALL BE DONE BETWEEN APRIL 1 TO JUNE 1, OR BETWEEN AUGUST 15 TO OCTOBER 15.
3. ALL DISTURBED AREAS NOT COVERED BY BUILDINGS, PAVING, OR OTHERWISE DEVELOPED, SHALL BE COVERED WITH 6 INCHES LOAM AND SEEDED.  
  
WINTER CONSTRUCTION  
  1. WINTER CONSTRUCTION PERIOD: OCTOBER 15 THRU APRIL 15.
  2. WINTER EXCAVATION AND EARTHWORK SHALL BE COMPLETED SUCH THAT A MAXIMUM OF 1 ACRE OF THE SITE IS UNSTABILIZED AT ANY ONE TIME OR LIMITED TO AN AREA THAT CAN BE MULCHED IN ONE DAY.
  3. HAY AND STRAW MULCH SHALL BE APPLIED AT A RATE OF 150 LB PER 1,000 SF OR 3 TONS/ACRE. MULCH SHALL BE APPLIED AND ANCHORED SO THAT THE GROUND SURFACE IS NOT VISIBLE THROUGHOUT THE MULCH. MULCH SHALL NOT BE APPLIED OVER SNOW.
  4. MULCH SHALL NOT BE APPLIED WHERE THE SNOW DEPTH EXCEEDS ONE INCH. SNOW SHALL BE REMOVED PRIOR TO APPLICATION.
  5. EROSION CONTROL BLANKETS SHALL BE APPLIED TO ALL VEGETATED SLOPES GREATER THAN 3:1.
  6. A DOUBLE ROW OF SEDIMENT BARRIERS SHALL BE INSTALLED WITHIN 75 FEET OF A PROTECTED NATURAL RESOURCE.
  7. DURING PERIODS WHEN TEMPERATURES ARE ABOVE FREEZING, AREAS SHALL BE FINE GRADED AND PROTECTED WITH EITHER MULCH; OR TEMPORARILY SEEDED AND MULCHED UNTIL THE FINAL TREATMENT CAN BE APPLIED.
  8. AFTER NOVEMBER 1 EXPOSED AREAS THAT HAVE BEEN LOAMED AND FINAL GRADED MAY BE DORMANT SEEDED AT A RATE OF 3 TIME THE PERMANENT SEED RATE AFTER THE FIRST KILLING FROST AND OVERWINTER MULCHED OR ANCHORED WITH EROSION CONTROL BLANKETS.
  9. WINTER INSPECTIONS SHALL BE PERFORMED ONE A WEEK AND AFTER EACH RAINFALL, SNOWSTORM, OR THAW FOR VEGETATION GROWTH, EROSION, AND MAINTENANCE NEEDS.  
  
A. ALL AREAS INSUFFICIENTLY VEGETATED (LESS THAN 75% CATCH) SHALL BE STABILIZED FOR OVERWINTER PROTECTION.

Site Inspection & Maintenance

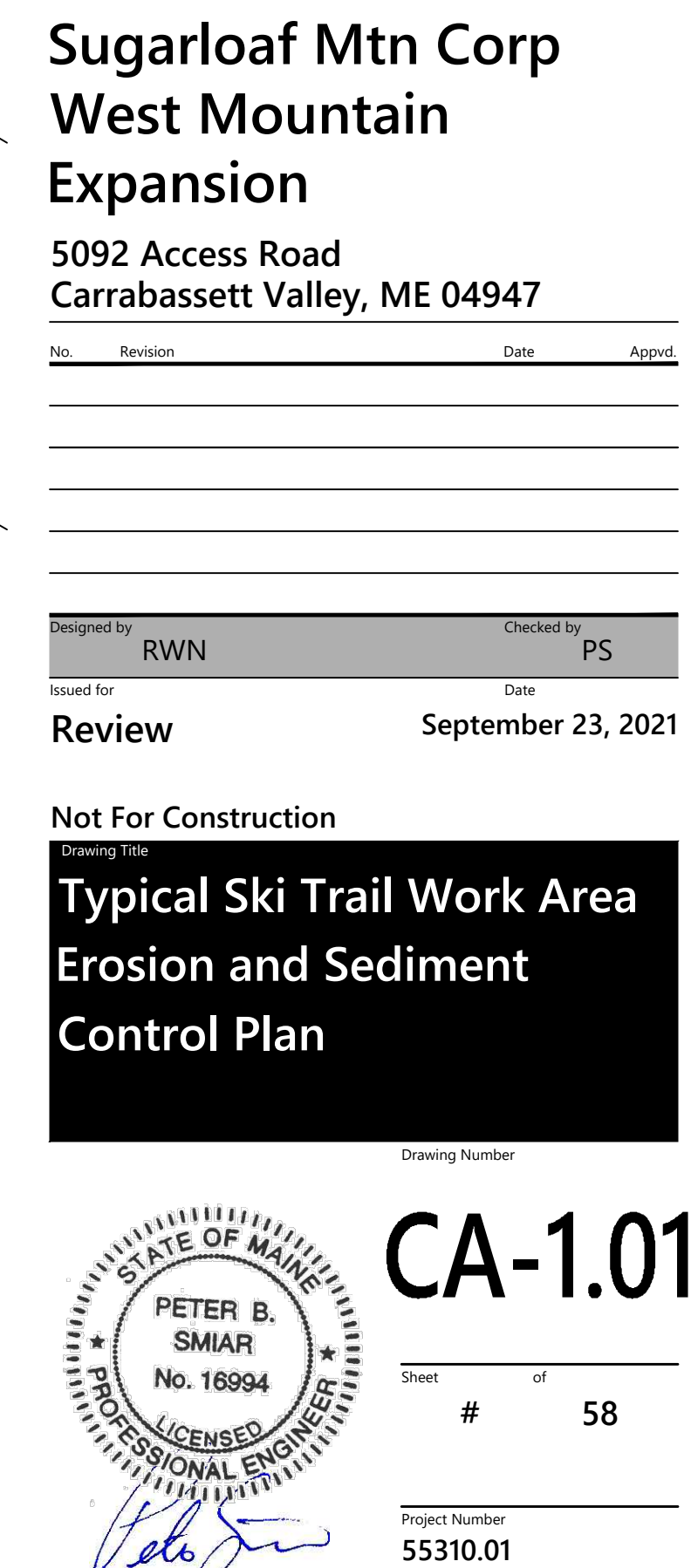
1. CONTRACTOR SHALL INSPECT AND MAINTAIN EROSION CONTROL MEASURES ON A WEEKLY BASIS AND BEFORE AND AFTER EACH STORM EVENT.
2. CONTRACTOR SHALL MAINTAIN WRITTEN INSPECTION AND MAINTENANCE LOGS FOR THE EROSION CONTROL MEASURES FOR THE DURATION OF THE CONSTRUCTION PERIOD. LOGS SHALL BE MADE AVAILABLE TO THE OWNER, ENGINEER, MUNICIPALITY, AND MAINE DEP UPON REQUEST.
3. TEMPORARY MULCHING: ADDITIONAL MULCH SHALL BE IMMEDIATELY APPLIED TO AREAS WHERE LESS THAN 90% OF THE SOIL SURFACE IS COVERED WITH MULCH.
4. CATCH BASIN/SILT SACK SEDIMENT TRAPS: SEDIMENT SHALL BE REMOVED FROM TRAPS WHEN ACCUMULATION DEPTH IS GREATER THAN OR EQUAL TO 1/2 THE DESIGN DEPTH OF THE TRAP. TRAPS SHALL BE REPLACED IF THE ARE DAMAGE, TORN, ETC.
5. SILT/STOCK BARRIERS, SILT FENCE BARRIERS, AND STONE CHECK DAMS: SILT/STOCK BARRIERS, SILT FENCE, AND STONE CHECK DAMS SHALL BE REPAIRED IF THERE ARE ANY SIGNS OF EROSION OR SEDIMENTATION BELOW THEM. SEDIMENT TRAPPED BEHIND BARRIERS/CHECK DAM SHALL BE REMOVED WHEN SEDIMENT DEPTH REACHES 6 INCHES. BARRIERS SHALL BE REPLACES WITH A TEMPORARY CHECK DAM IF THERE ARE SIGNS OF UNDERCUTTING OR IMPOUNDING LARGE VOLUMES OF WATER BEHIND THEM.
6. EROSION CONTROL BLANKETS: IF WASHOUTS OR BREAKAGE OCCURS, SLOPES SHALL BE REPAIRED, AND BLANKETS SHALL BE RE-INSTALLED.
7. STABILIZED CONSTRUCTION EXITS: EXITS SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. IF EXIT BECOMES INEFFECTIVE IT SHALL BE RECONSTRUCTED AND/OR REPLACED.
8. TEMPORARY SEDIMENTATION/DEWATERING BASINS: SEDIMENT IN TEMPORARY BASINS SHALL BE REMOVED AS NECESSARY DEPENDING ON THEIR USE AND DESIGN.
9. UPON COMPLETION OF CONSTRUCTION AND ESTABLISHMENT OF PERMANENT GROUND COVER, CONTRACTOR SHALL REMOVE AND DISPOSE OF EROSION CONTROL MEASURES AND CLEAN SEDIMENT AND DEBRIS FROM ENTIRE DRAINAGE SYSTEMS.
10. LONG-TERM MAINTENANCE OF THE PERMANENT EROSION CONTROL MEASURES SHALL BE THE RESPONSIBILITY OF THE OWNER.



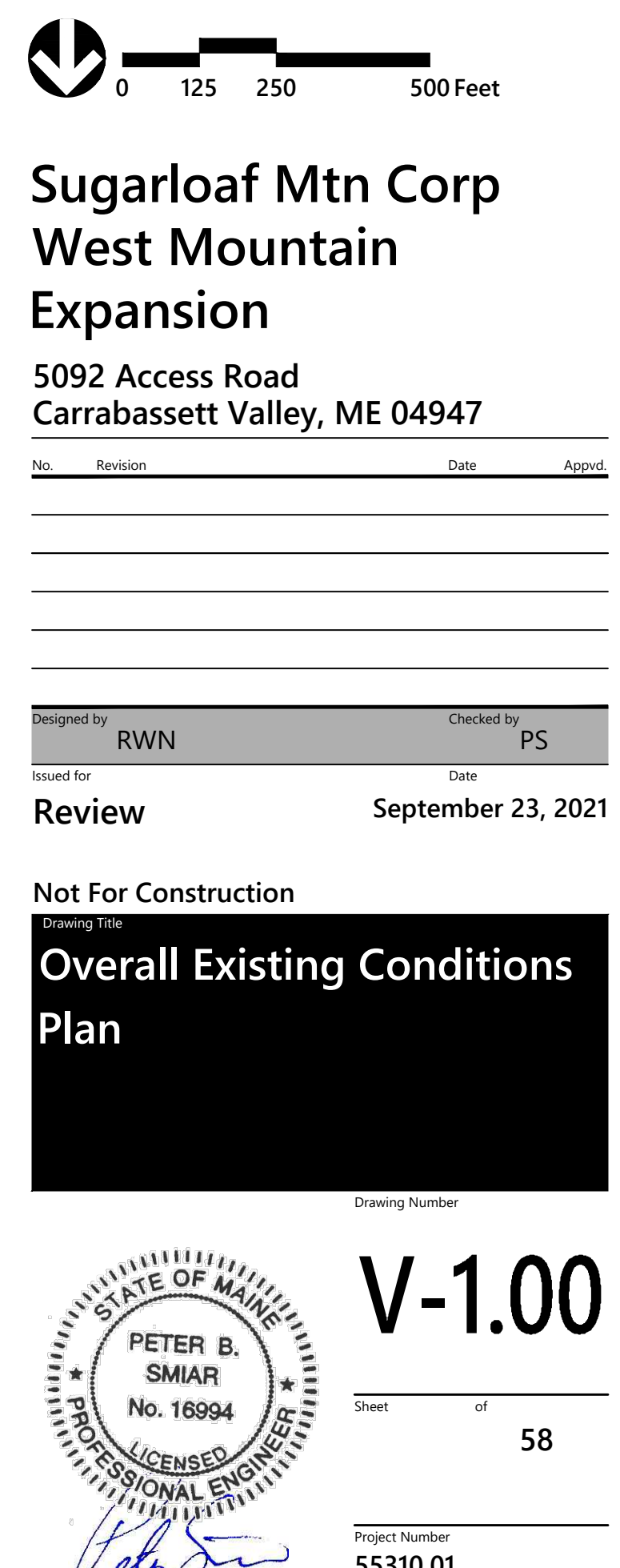
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Suite 105B  
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207.889.3150











Slusher

Baraback

Sagevader

L. Wilmer Way

Lift H Double Runner

L. Silver Run

Candy Lake

Hypnotic

M. Exer

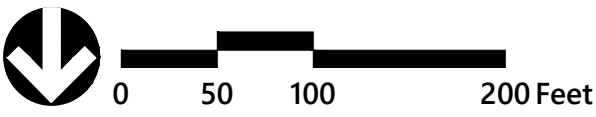
Whisper

L. tote Rd.

L. Ganser

L. Silver Run

L. Scott

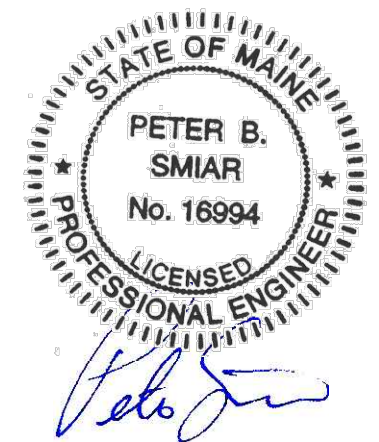


**Sugarloaf Mtn Corp  
West Mountain  
Expansion**  
5092 Access Road  
Carrabassett Valley, ME 04947

No.	Revision	Date	Appr'd.
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Designed by	RWN	Checked by	PS
Issued for		Date	
Review		September 23, 2021	

Not For Construction  
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**Existing Conditions Plan**



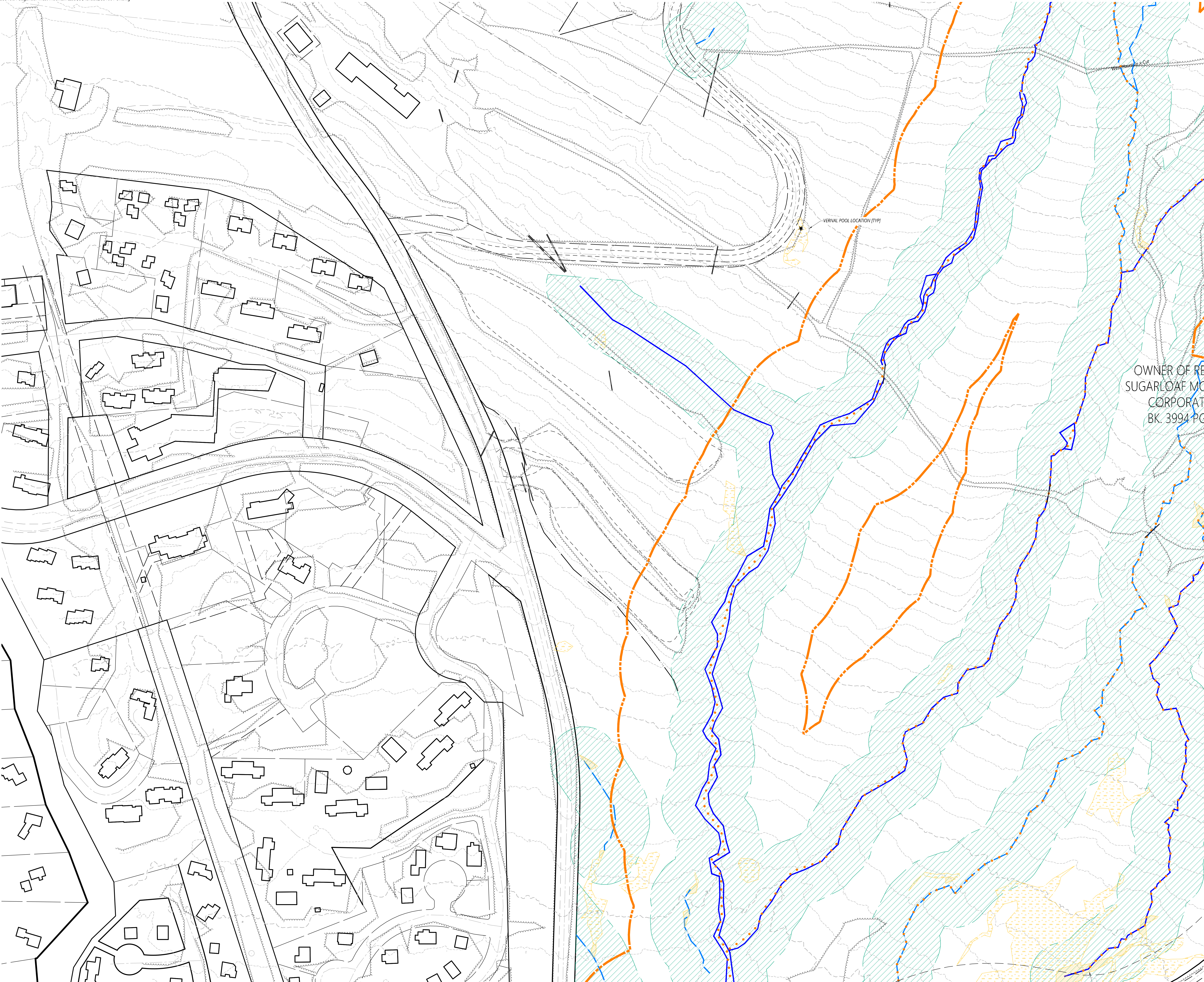
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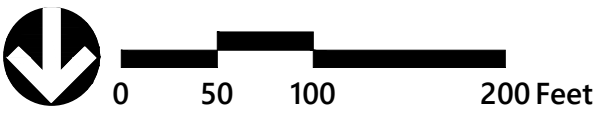








OWNER OF RE  
SUGARLOAF MC  
CORPORAT  
BK. 3994-PC



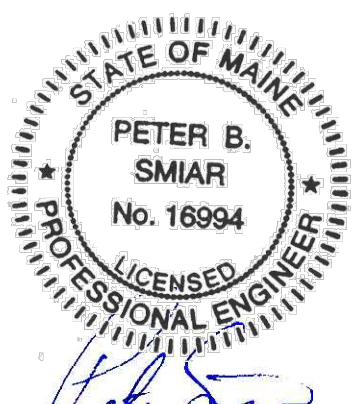
**Sugarloaf Mtn Corp  
West Mountain  
Expansion**  
5092 Access Road  
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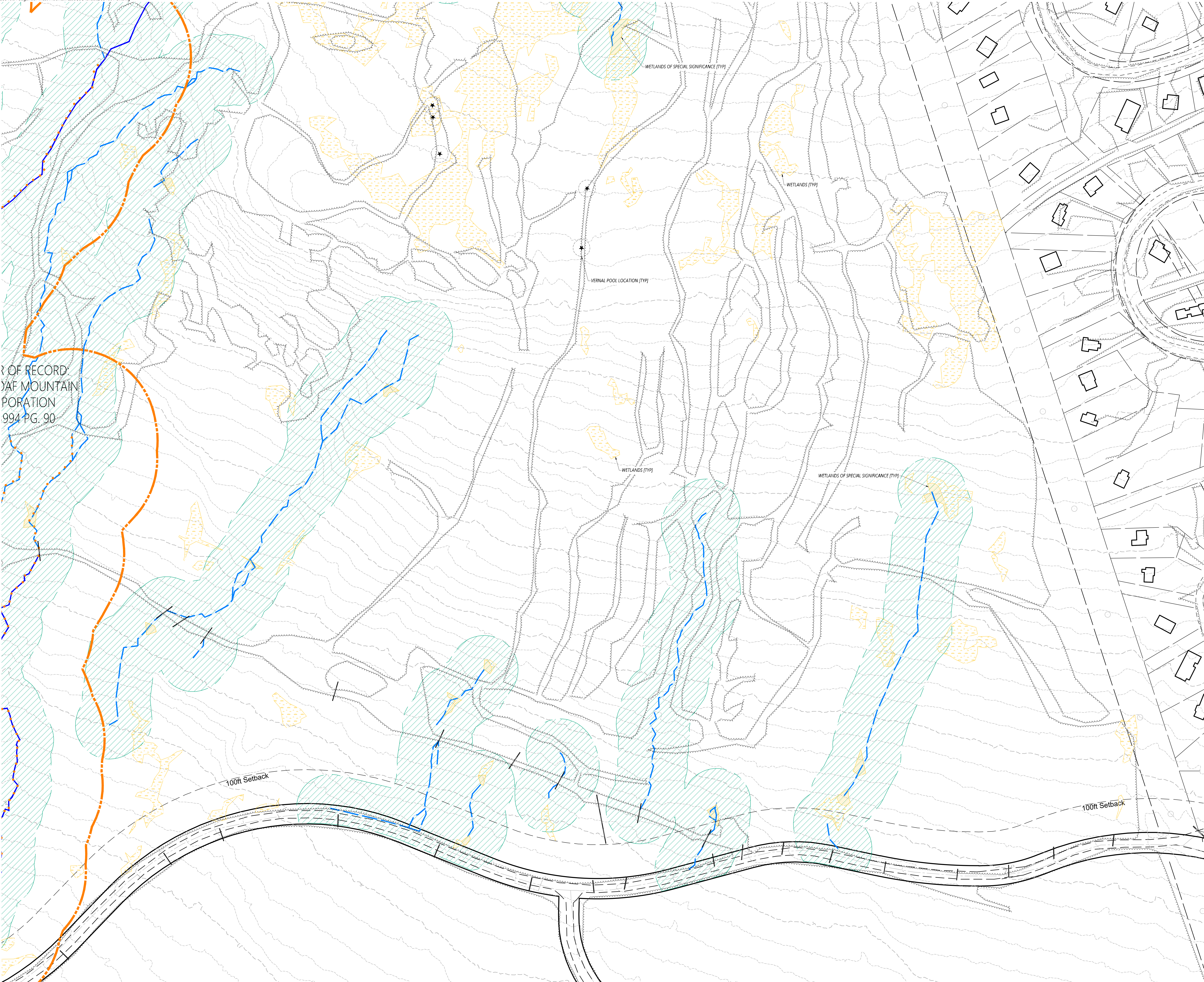


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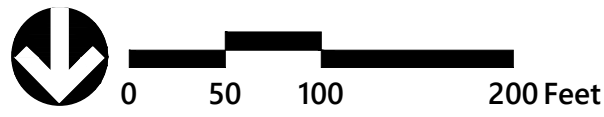
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Project Number  
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SUGARLOAF MOUNTAIN  
CORPORATION  
1994 PG. 90

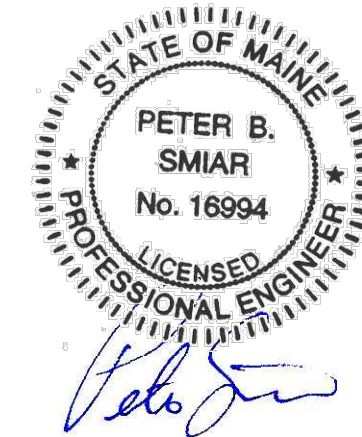


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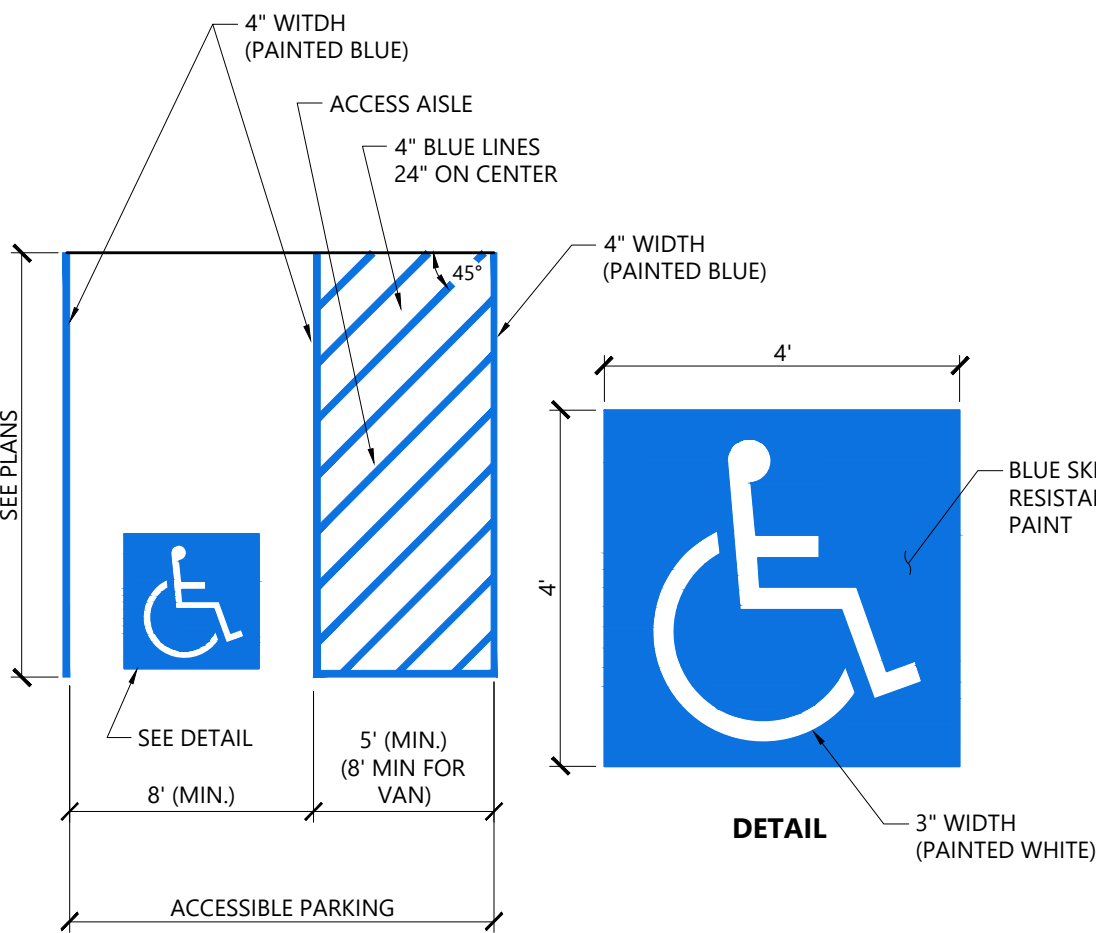
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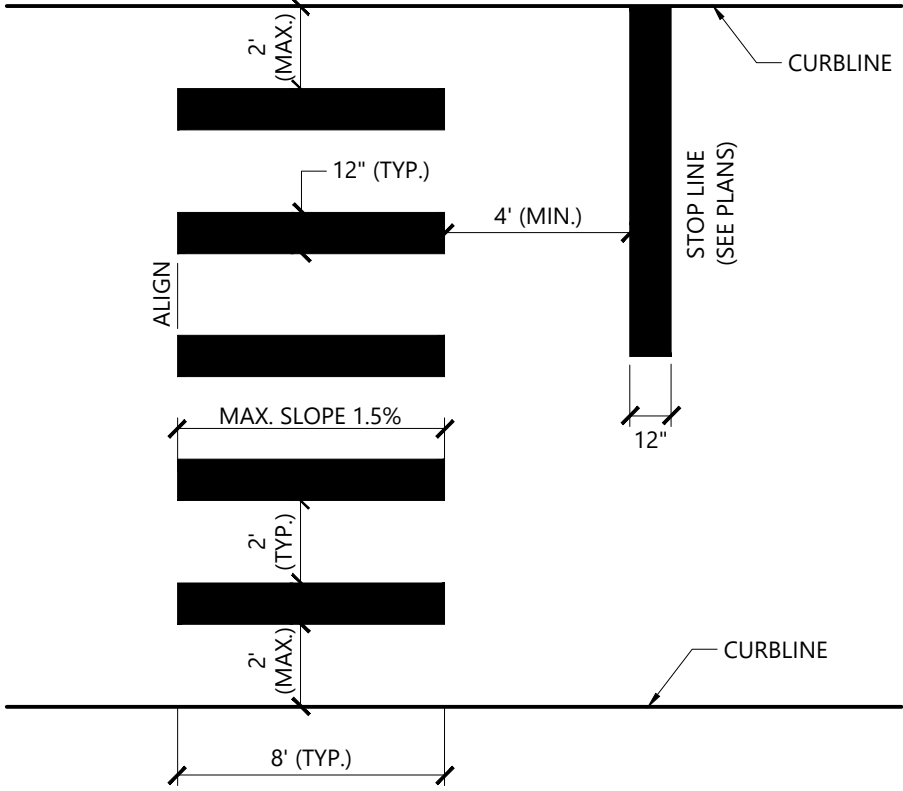
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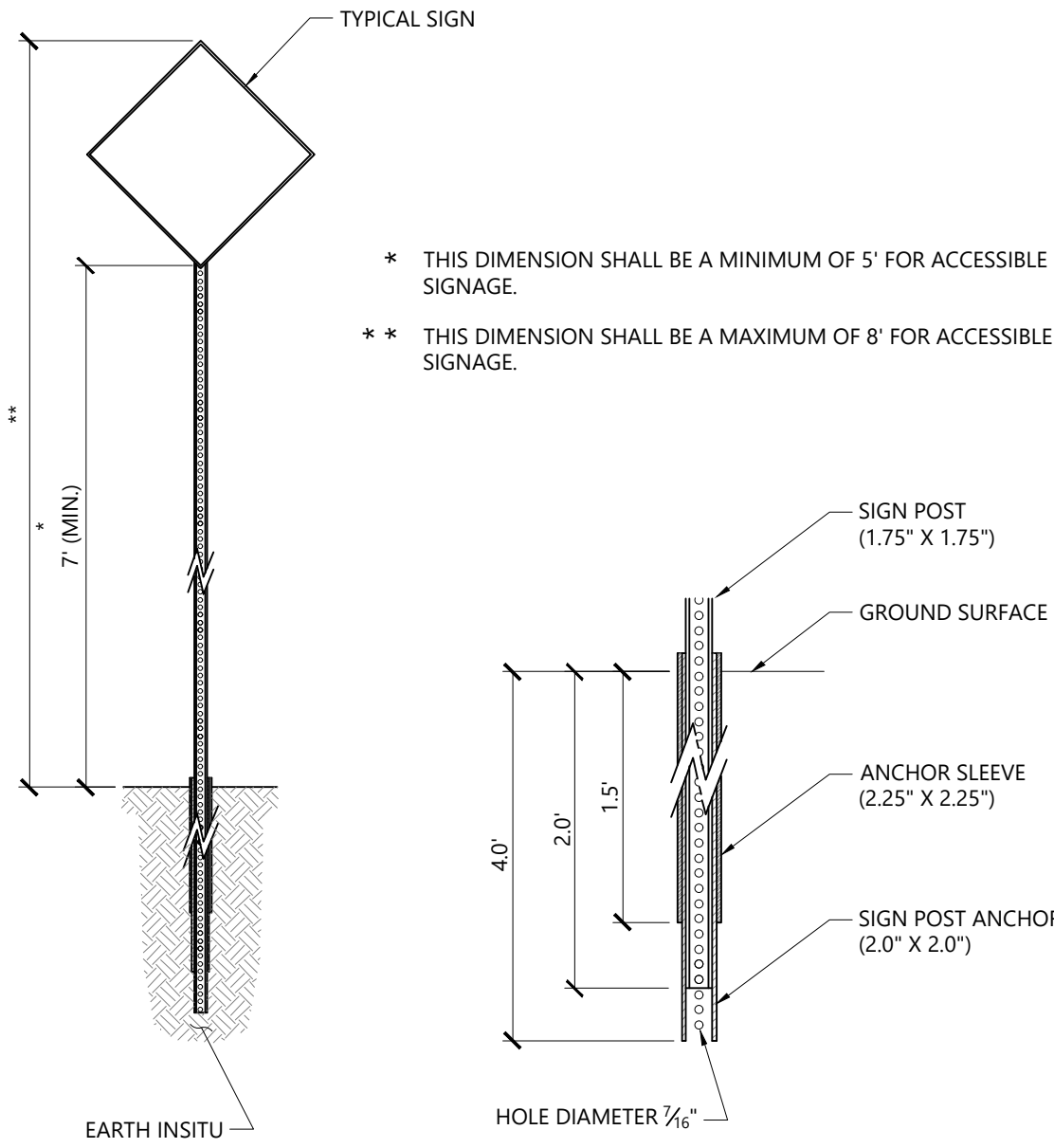
- NOTES**
- ALL DIMENSIONS TO EDGES OF 4" PAVEMENT STRIPING.
  - 8" STALL WIDTH REFERS TO 8" CLEAR BETWEEN INSIDE EDGES OF PAVEMENT MARKINGS.
  - ALL SLOPES THROUGHOUT THE ACCESSIBLE PARKING AND AISLE AREAS SHALL NOT EXCEED 1.5%.
  - ACCESS AISLE MEASURED BETWEEN OUTSIDE EDGES OF PAVEMENT MARKINGS.

**Accessible Parking Space** 1/16  
N.T.S. Source: VHB LD\_552B

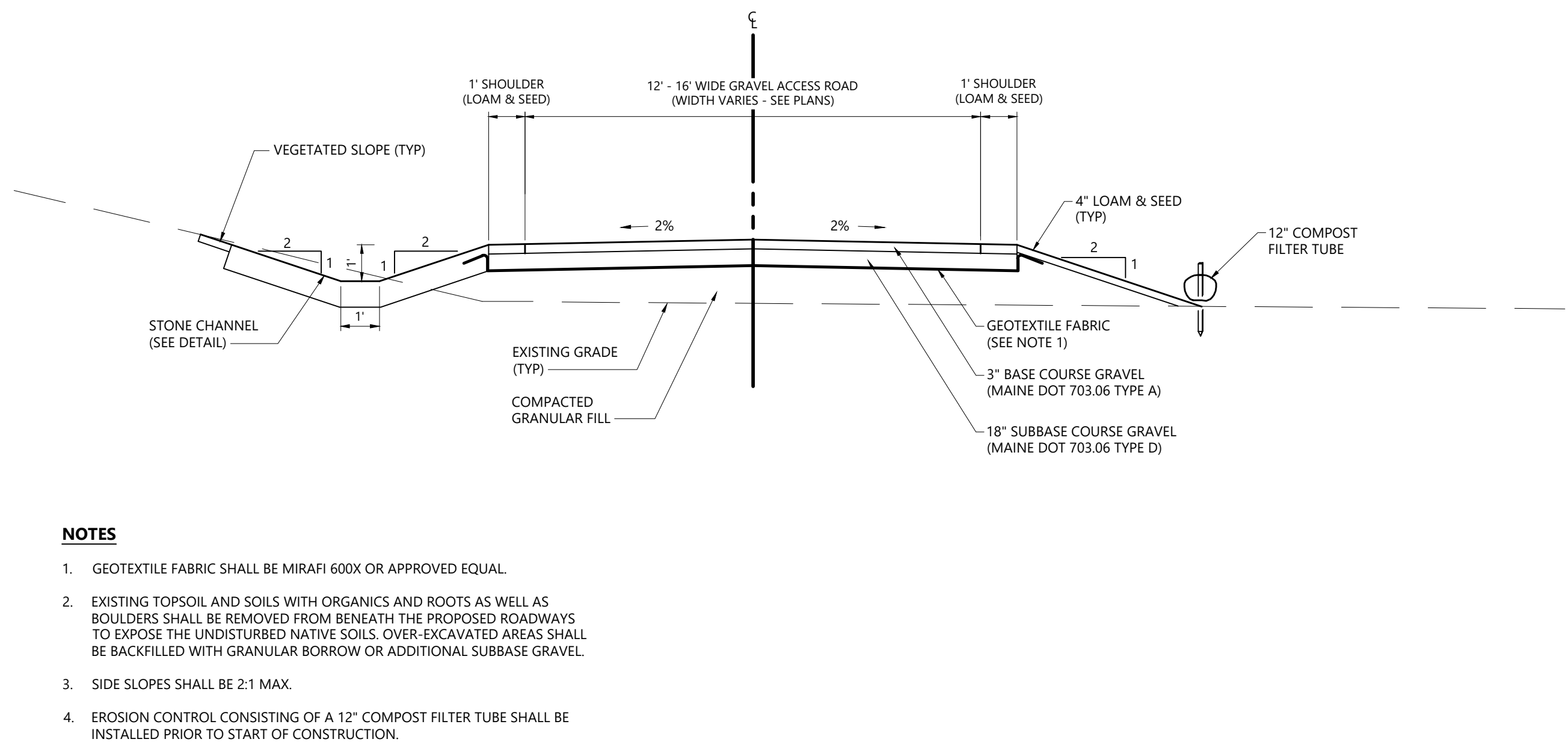


- NOTES**
- TWELVE INCH (12") LINES SHALL BE APPLIED IN ONE APPLICATION, NO COMBINATION OF LINES (TWO - 6 INCH LINES) WILL BE ACCEPTED.
  - LONGITUDINAL CROSSWALK LINES TO BE PARALLEL TO CURBLINE.
  - ALL LONGITUDINAL CROSSWALK LINES TO BE THE SAME LENGTH AND PROPERLY ALIGNED.
  - CROSS WALK SIDESLOPE SHALL NOT EXCEED 1.5%.

**Crosswalk** 1/16  
N.T.S. Source: VHB LD\_553

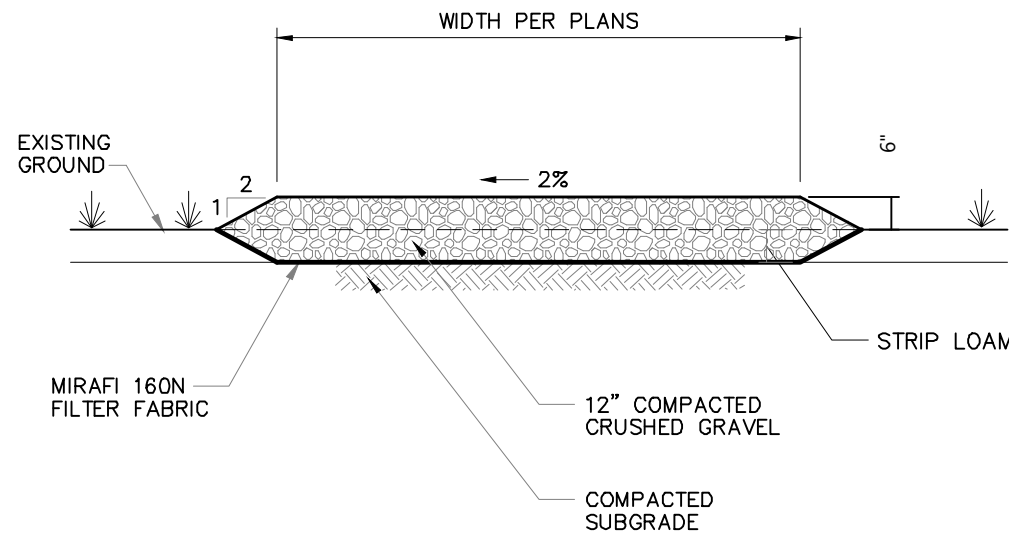


**Sign Post - Type 'B'** 1/16  
N.T.S. Source: VHB LD\_702

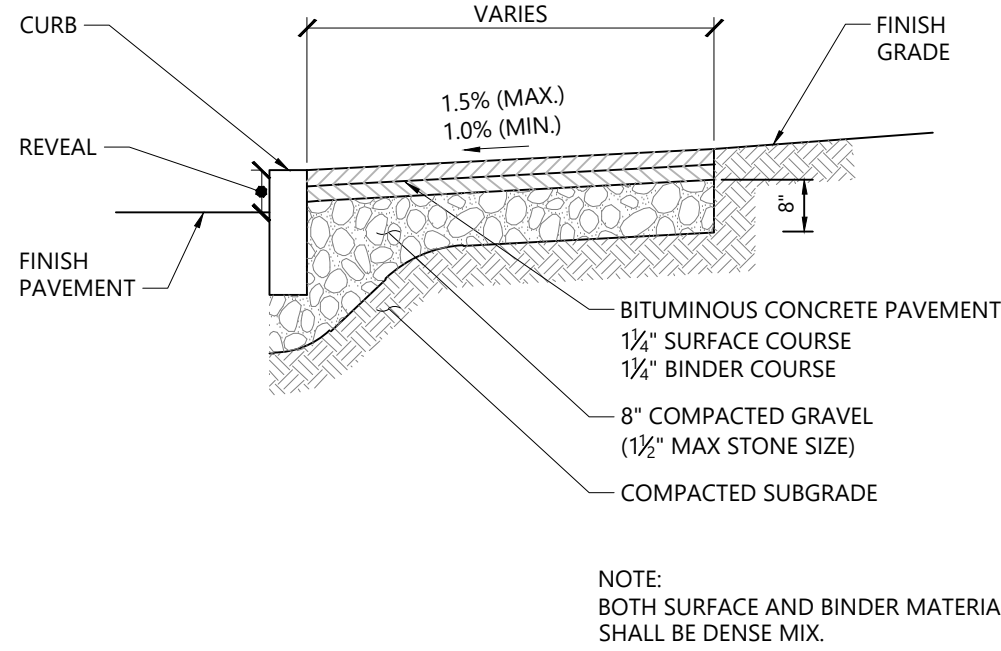


- NOTES**
- GEOTEXTILE FABRIC SHALL BE MIRAFI 600X OR APPROVED EQUAL.
  - EXISTING TOPSOIL AND SOILS WITH ORGANICS AND ROOTS AS WELL AS BOULDERS SHALL BE REMOVED FROM BENEATH THE PROPOSED ROADWAYS TO EXPOSE THE UNDISTURBED NATIVE SOILS. OVER-EXCAVATED AREAS SHALL BE BACKFILLED WITH GRANULAR BORROW OR ADDITIONAL SUBBASE GRAVEL.
  - SIDE SLOPES SHALL BE 2:1 MAX.
  - EROSION CONTROL CONSISTING OF A 12" COMPOST FILTER TUBE SHALL BE INSTALLED PRIOR TO START OF CONSTRUCTION.

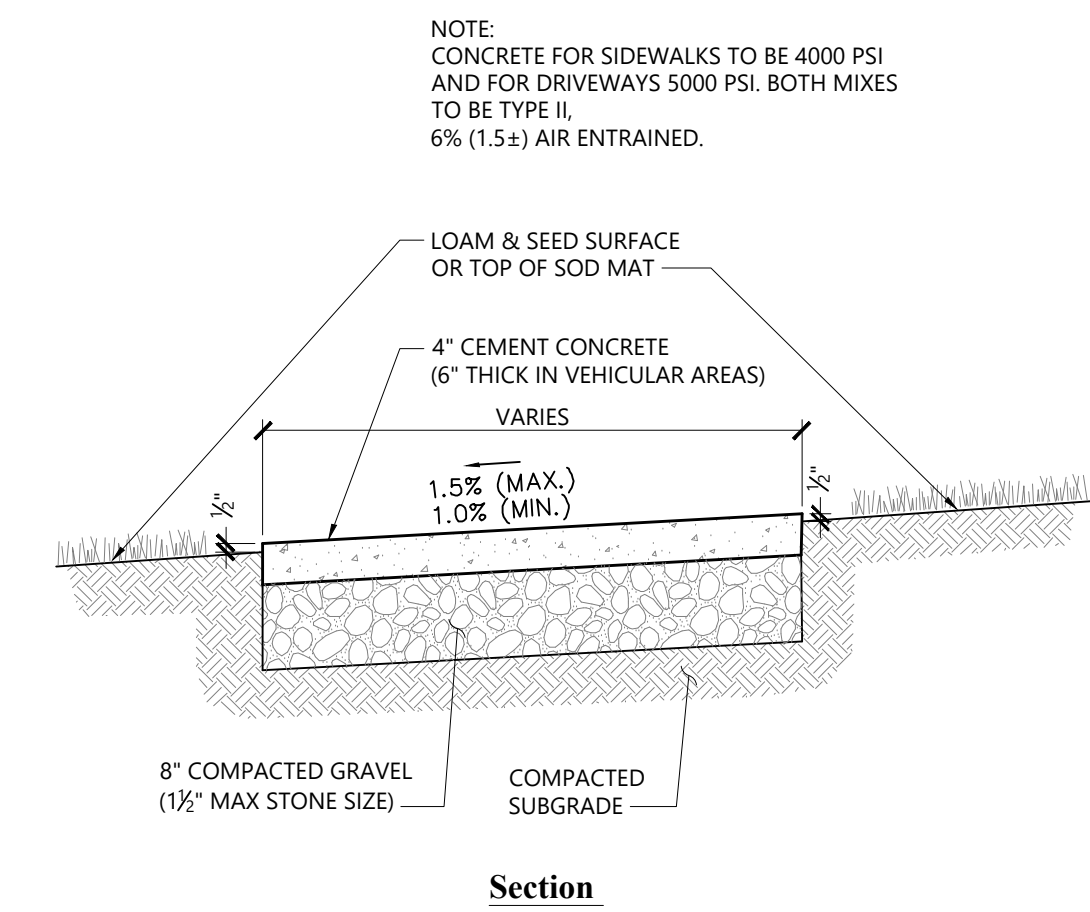
**Access Road - Typical Section with Swale** Source: VHB  
N.T.S.



**Gravel Access Road** Source: VHB  
N.T.S.

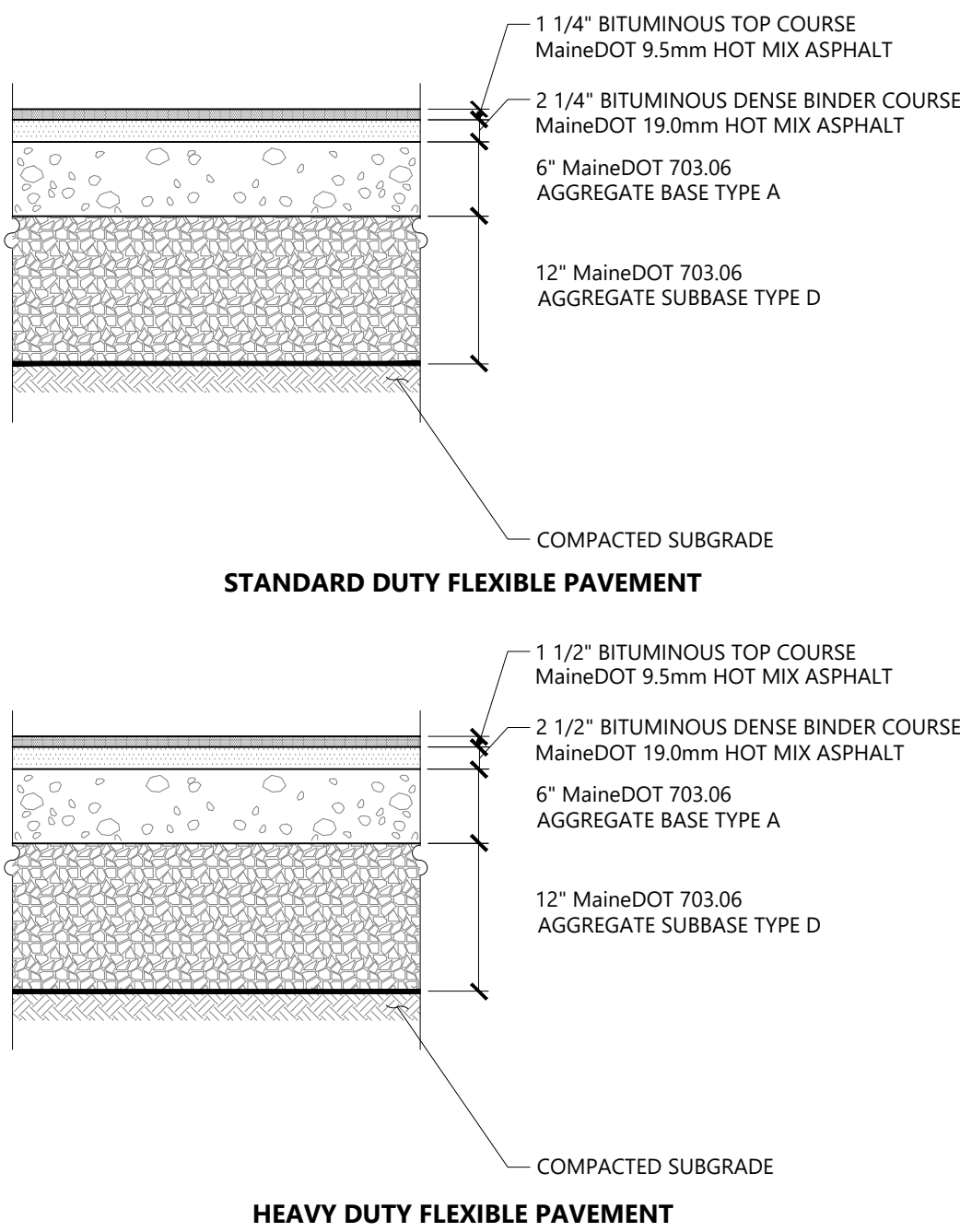


**Bituminous Concrete Sidewalk** 1/16  
N.T.S. Source: VHB LD\_422



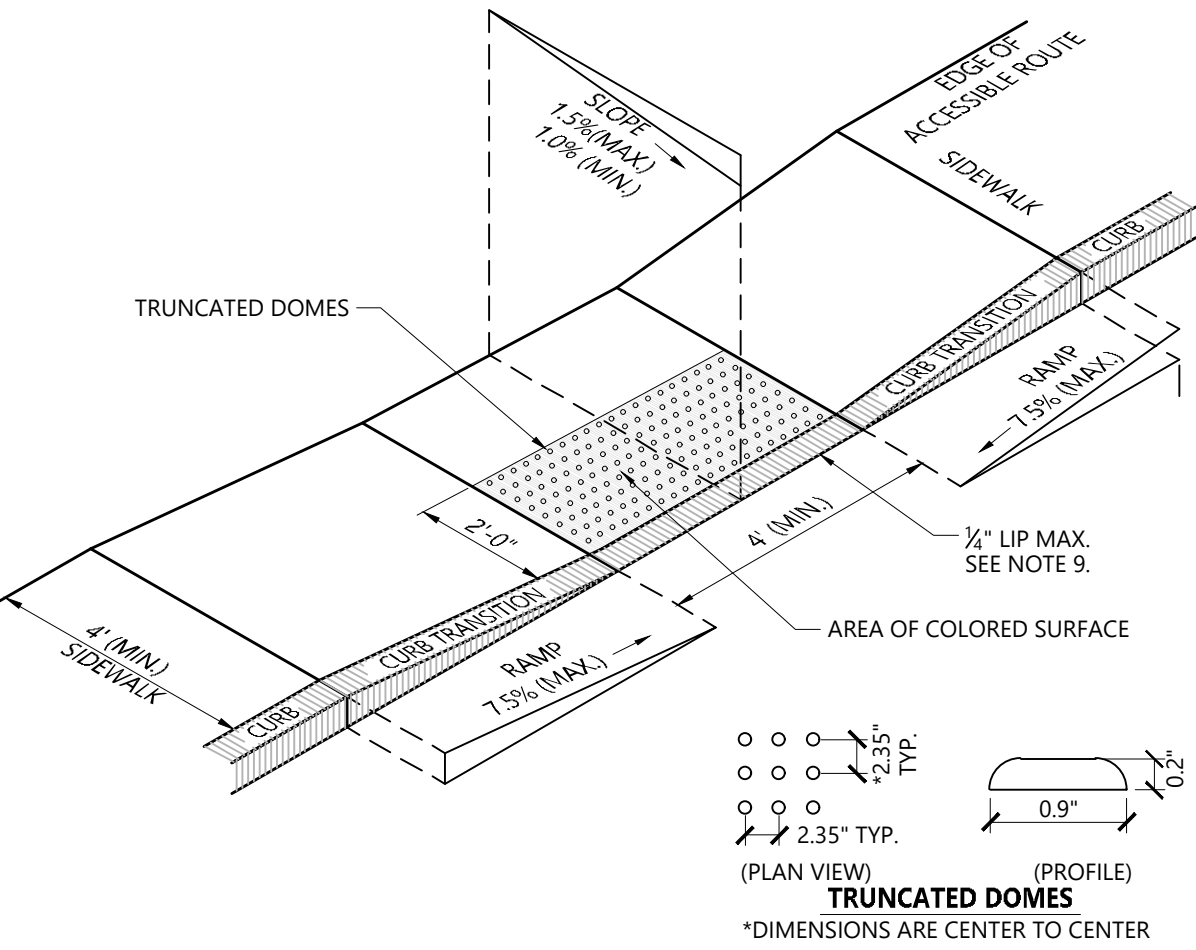
- NOTES**
- PROVIDE EXPANSION JOINTS AT MIN. 30 FT. O.C. WITH PRE-FORMED JOINT FILLER.
  - PROVIDE TOOLED CONTROL JOINTS AT 6' O.C.
  - PROVIDE BROOM FINISH IN DIRECTION PERPENDICULAR TO SIDEWALK DIRECTION.

**Concrete Sidewalk in Landscape Area** 1/16  
N.T.S. Source: VHB LD\_426



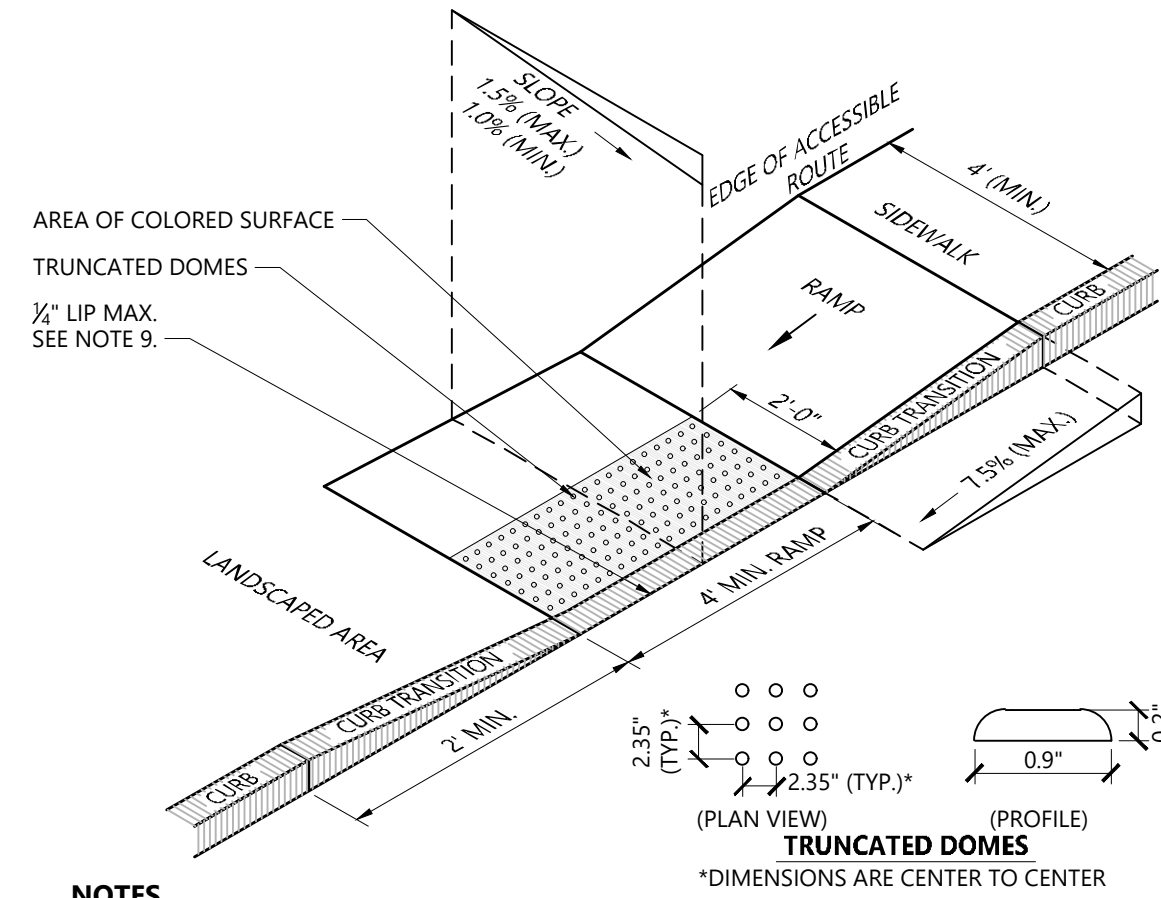
- NOTES**
- BASED ON S.W. COLE COLBY GREEN DESIGN RECOMMENDATIONS
  - IN PARKING AREAS WITH BEDROCK SUBGRADES, PAVEMENT GRAVEL THICKNESS COULD BE REDUCED TO A MINIMUM OF 12 INCHES, CONSISTING OF FREE-DRAINING BASE GRAVELS, SHAPE OR SLOPE BEDROCK SUBGRADE TO DRAIN.

**Bituminous Concrete Pavement Sections** 4/19  
N.T.S. Source: VHB LD\_430



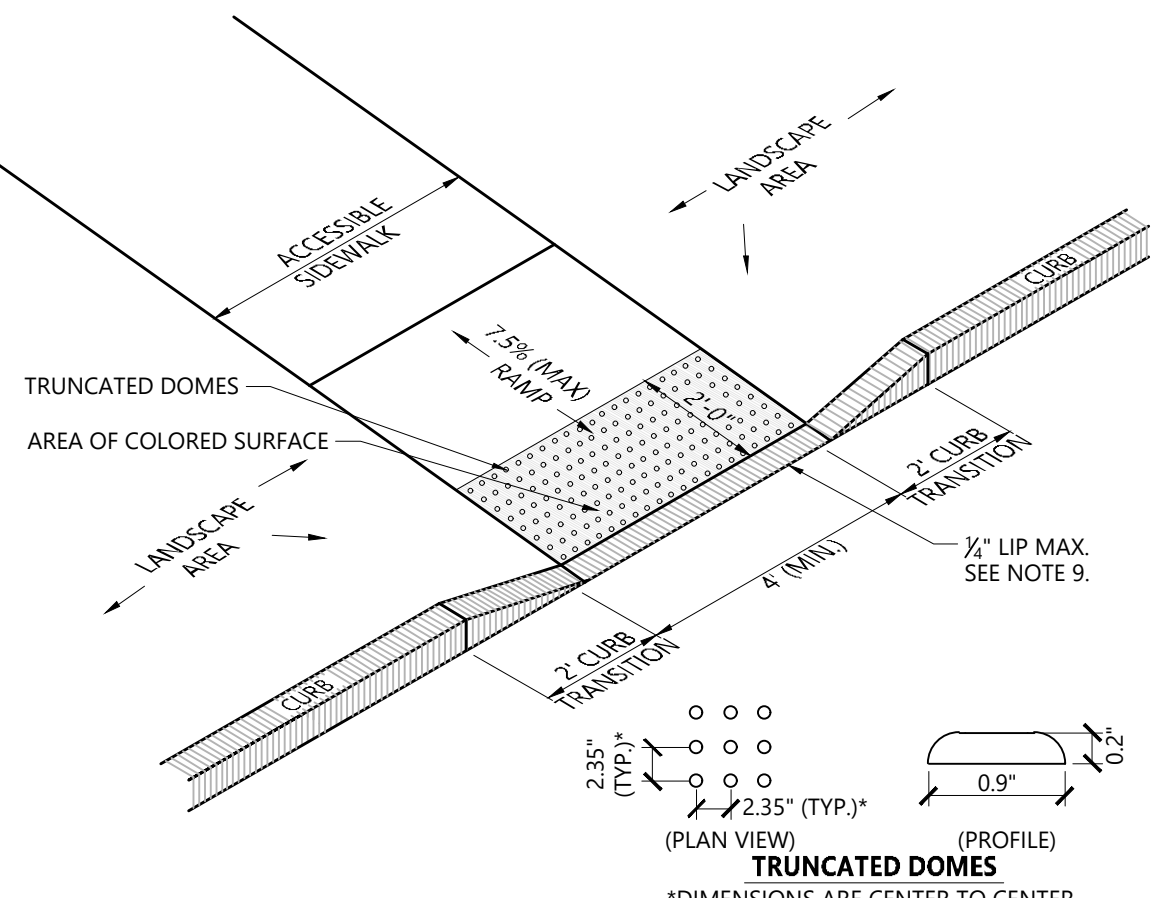
- NOTES**
- THE MAXIMUM ALLOWABLE SIDEWALK AND CURB RAMP CROSS SLOPES SHALL BE 1.5 (1% MIN.).
  - THE MAXIMUM ALLOWABLE SLOPE OF ACCESSIBLE ROUTE EXCLUDING CURB RAMP SHALL BE 5%.
  - THE MAXIMUM ALLOWABLE SLOPE OF ACCESSIBLE ROUTE AT CURB RAMP SHALL BE 7.5%.
  - A MINIMUM OF 3 FEET CLEAR SHALL BE MAINTAINED AT ANY PERMANENT OBSTACLE IN ACCESSIBLE ROUTE (I.E. HYDRANTS, UTILITY POLES, TREE WELLS, SIGNS, ETC.).
  - CURB TREATMENT VARIES, SEE PLANS FOR CURB TYPE.
  - RAMP, CURB, AND ADJACENT PAVEMENTS SHALL BE GRADED TO PREVENT PONDING.
  - SEE TYPICAL SIDEWALK SECTION FOR RAMP CONSTRUCTION.
  - WHERE ACCESSIBLE ROUTES ARE LESS THAN 5' IN WIDTH (EXCLUDING CURBING) A 5' x 5' PASSING AREA SHALL BE PROVIDED AT INTERVALS NOT TO EXCEED 200 FEET.
  - ELIMINATE CURBING AT RAMP (OTHER THAN VERTICAL CURBING, WHICH SHALL BE SET FLUSH) WHERE IT ABUTS ROADWAY.
  - DETECTABLE WARNINGS SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES.
  - DETECTABLE WARNINGS SHALL BE INSTALLED PERPENDICULAR TO ACCESSIBLE ROUTE.

**Accessible Curb Ramp (ACR) Type 'A-D'** 1/16  
N.T.S. Source: VHB LD\_500



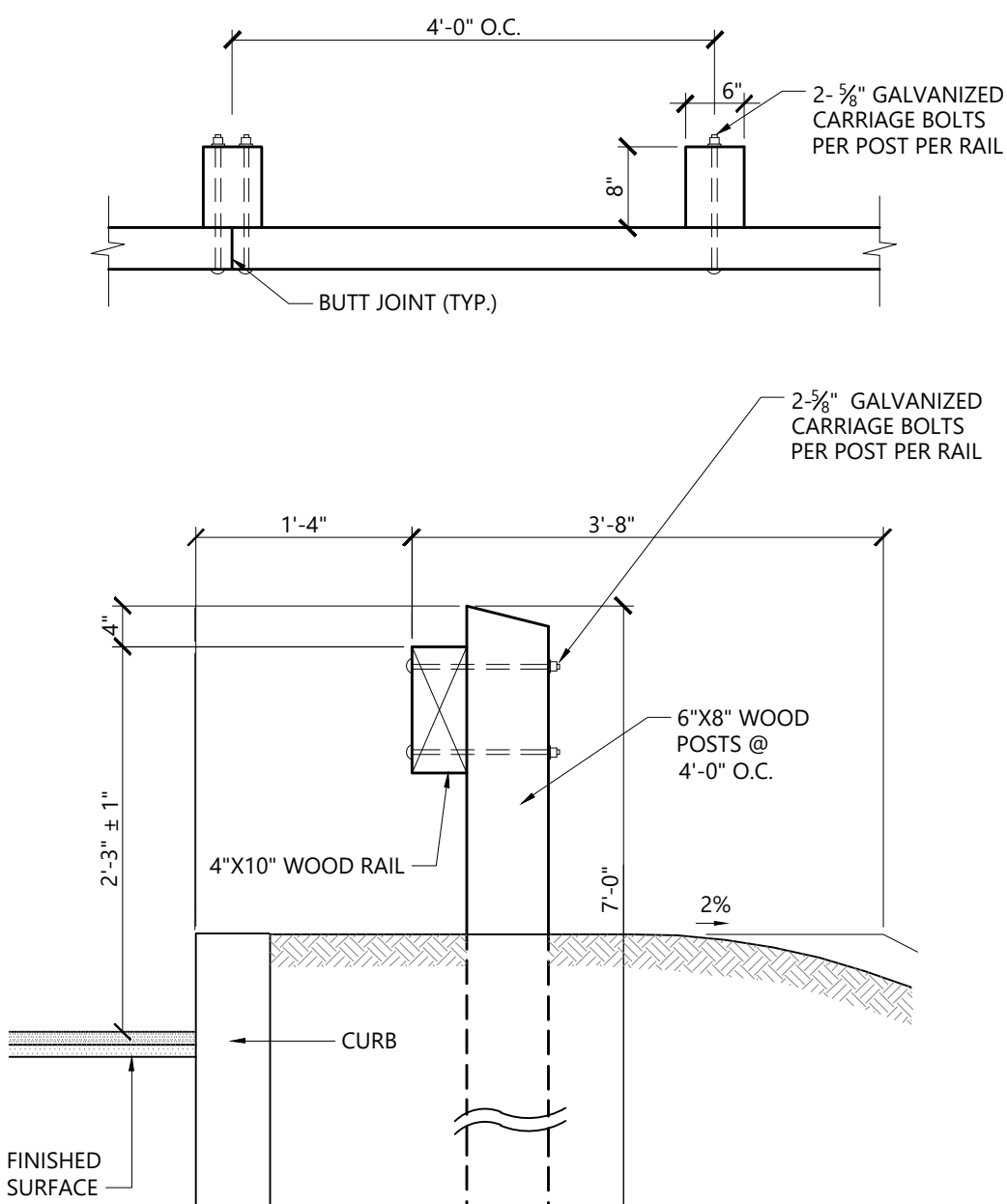
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  - ELIMINATE CURBING AT RAMP WHERE IT ABUTS ROADWAY EXCEPT WHERE VERTICAL CURBING IS INDICATED ON THE DRAWINGS TO BE INSTALLED AND SET FLUSH.
  - DETECTABLE WARNINGS SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES.
  - DETECTABLE WARNINGS SHALL BE INSTALLED PERPENDICULAR TO THE ACCESSIBLE ROUTE.
  - CONTRACTOR TO SUBMIT R.F.I. FOR THIS TYPE OF ACCESSIBLE CURB RAMP FOR APEX ROADWAY CROSSINGS.

**Accessible Curb Ramp (ACR) Type 'G-D'** 1/16  
N.T.S. Source: VHB LD\_506



- NOTES**
- THE MAXIMUM ALLOWABLE SIDEWALK AND CURB RAMP CROSS SLOPES SHALL BE 1.5 (1% MIN.).
  - THE MAXIMUM ALLOWABLE SLOPE OF ACCESSIBLE ROUTE EXCLUDING CURB RAMP SHALL BE 5%.
  - THE MAXIMUM ALLOWABLE SLOPE OF ACCESSIBLE ROUTE AT CURB RAMP SHALL BE 7.5%.
  - A MINIMUM OF 3 FEET CLEAR SHALL BE MAINTAINED AT ANY PERMANENT OBSTACLE IN ACCESSIBLE ROUTE (I.E. HYDRANTS, UTILITY POLES, TREE WELLS, SIGNS, ETC.).
  - CURB TREATMENT VARIES, SEE PLANS FOR CURB TYPE.
  - RAMP, CURB, AND ADJACENT PAVEMENTS SHALL BE GRADED TO PREVENT PONDING.
  - SEE TYPICAL SIDEWALK SECTION FOR RAMP CONSTRUCTION.
  - WHERE ACCESSIBLE ROUTES ARE LESS THAN 5' IN WIDTH (EXCLUDING CURBING) A 5' x 5' PASSING AREA SHALL BE PROVIDED AT INTERVALS NOT TO EXCEED 200 FEET.
  - ELIMINATE CURBING (OTHER THAN VERTICAL CURBING, WHICH SHALL BE SET FLUSH) WHERE IT ABUTS ROADWAYS.
  - DETECTABLE WARNINGS SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES.
  - DETECTABLE WARNINGS SHALL BE INSTALLED PERPENDICULAR TO THE ACCESSIBLE ROUTE.

**Accessible Curb Ramp (ACR) Type 'M-D'** 1/16  
N.T.S. Source: VHB LD\_512



**Wood Guardrail** Source: VHB  
N.T.S. LD\_450

**Sugarloaf Mtn Corp  
West Mountain  
Expansion**

5092 Access Road  
Carrabassett Valley, ME 04947

No.	Revision	Date	Appr'd.

Designed by: **RWN** Checked by: **PS**  
Issued for: **Review** Date: **September 23, 2021**

**Not For Construction**  
Drawing Title: **Site Details**

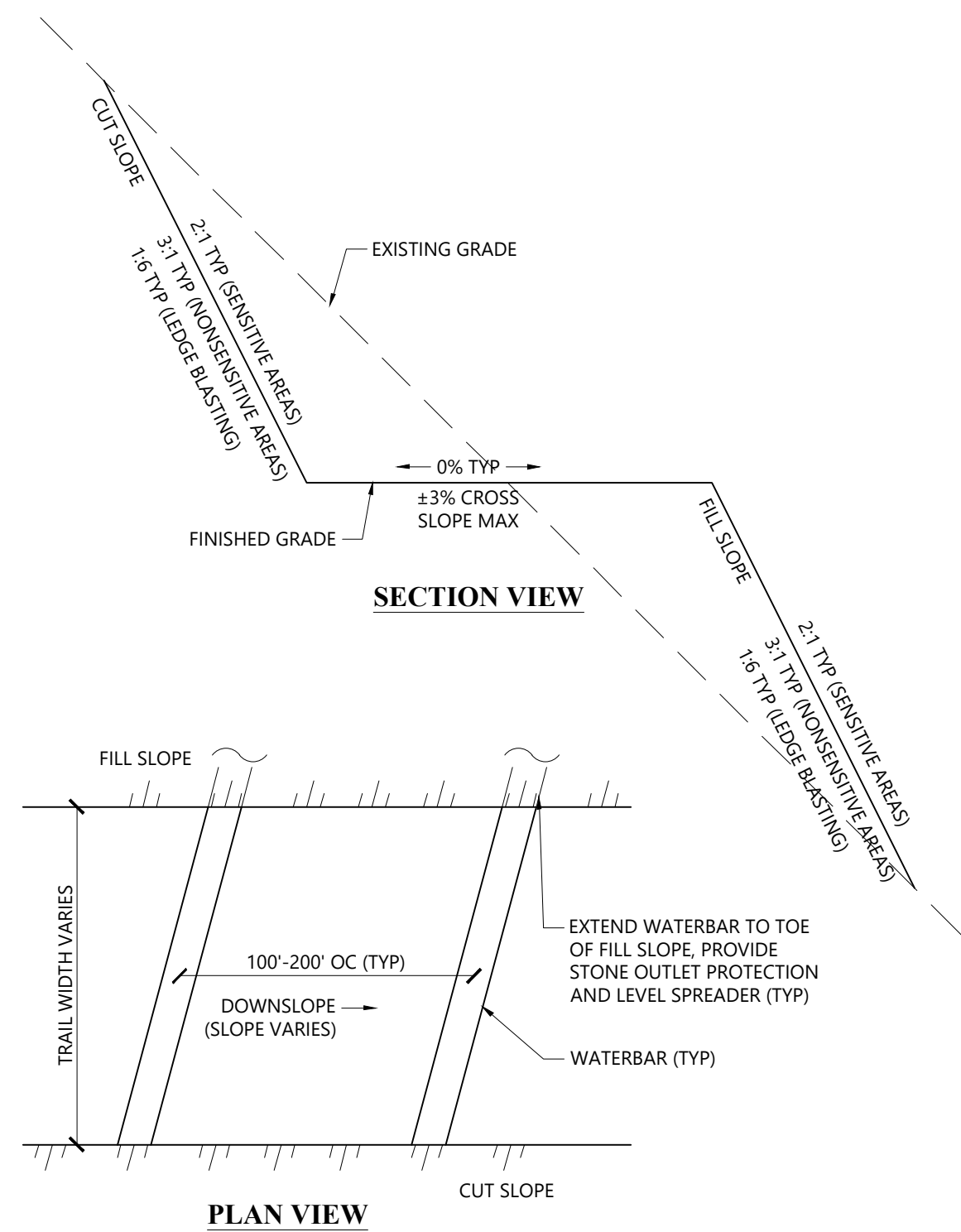
Project Number: **55310.01**

**C1.01**

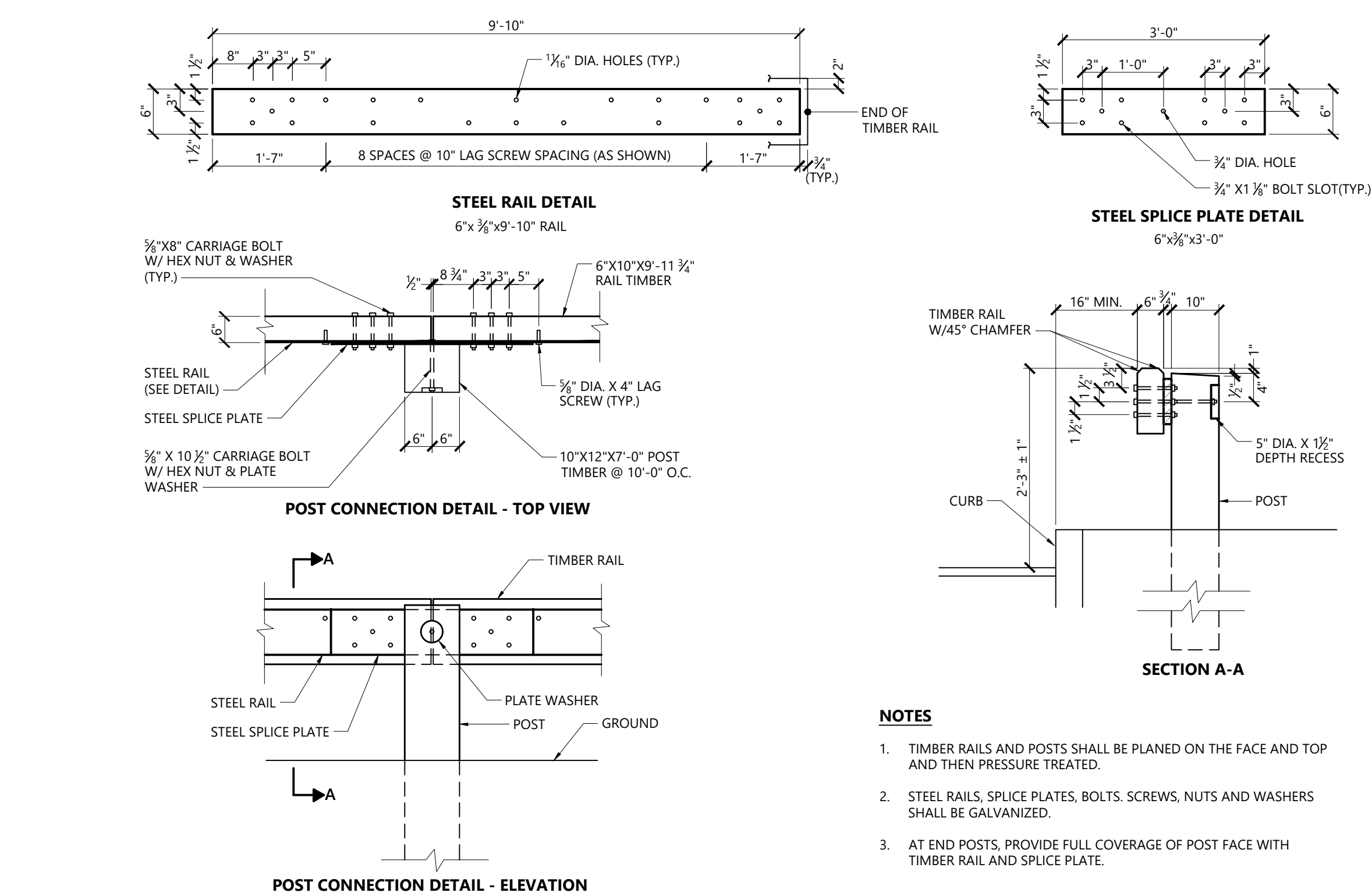
Sheet **#** of **58**

Professional Engineer  
**PETER B. SMAR**  
No. 18994  
September 24, 2021 3:16:50 PM Robert Nichols

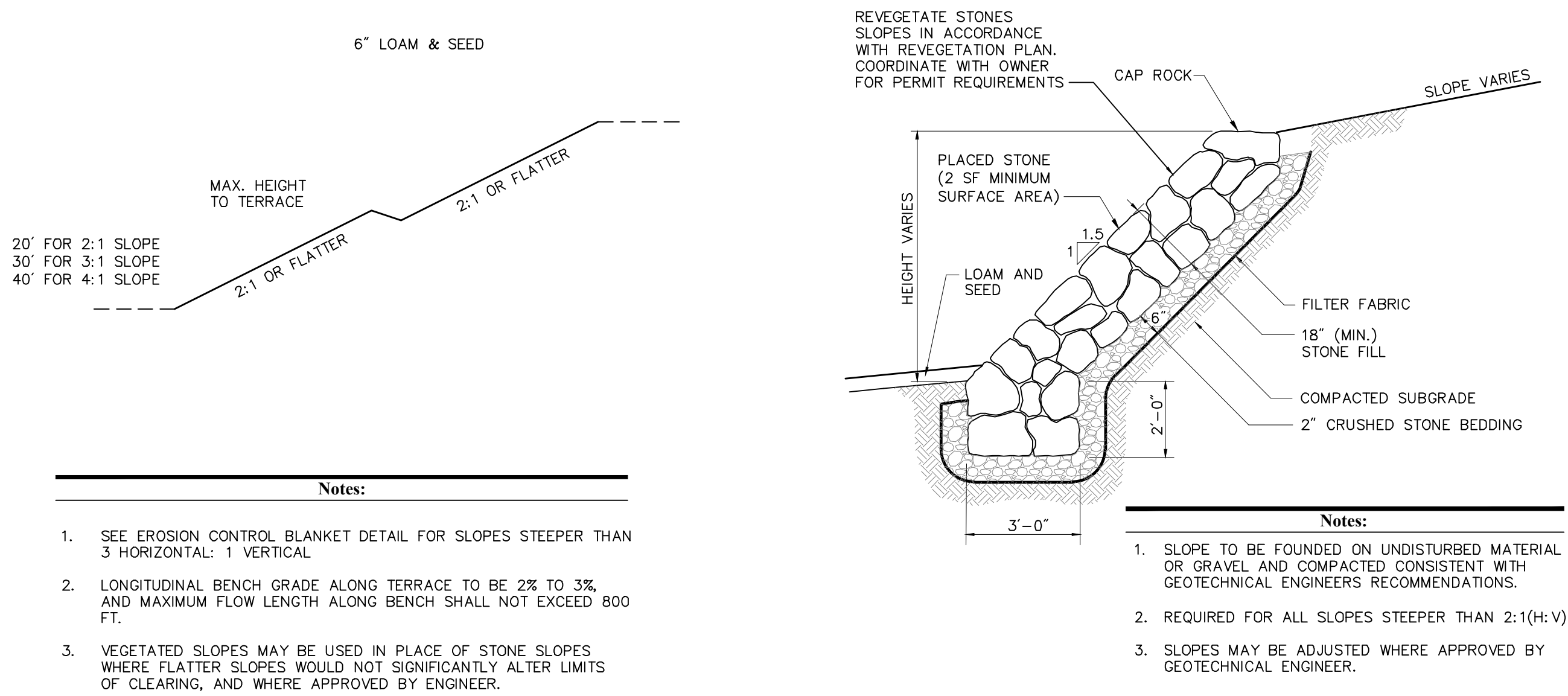




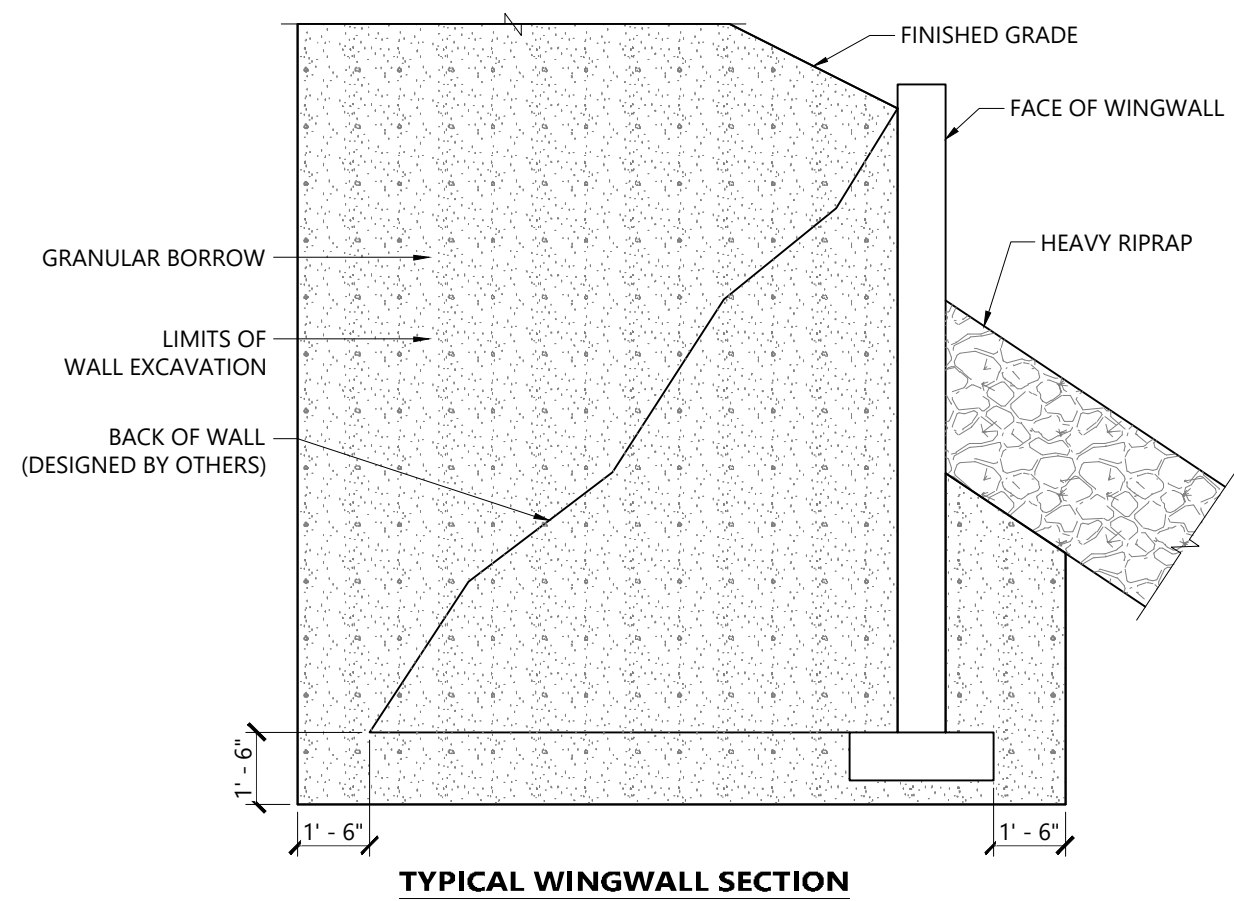
**Typical Ski Trail Design** 6/16  
 N.T.S. Source: VHB VT\_LD



<b>Steel-Backed Wood Guardrail</b>		1/16
N.T.S.	Source: VHB	LD_452



<b>Vegetated Slopes (2:1 or Flatter)</b>		<b>EV-10</b>
N.T.S.	Source: VHB	



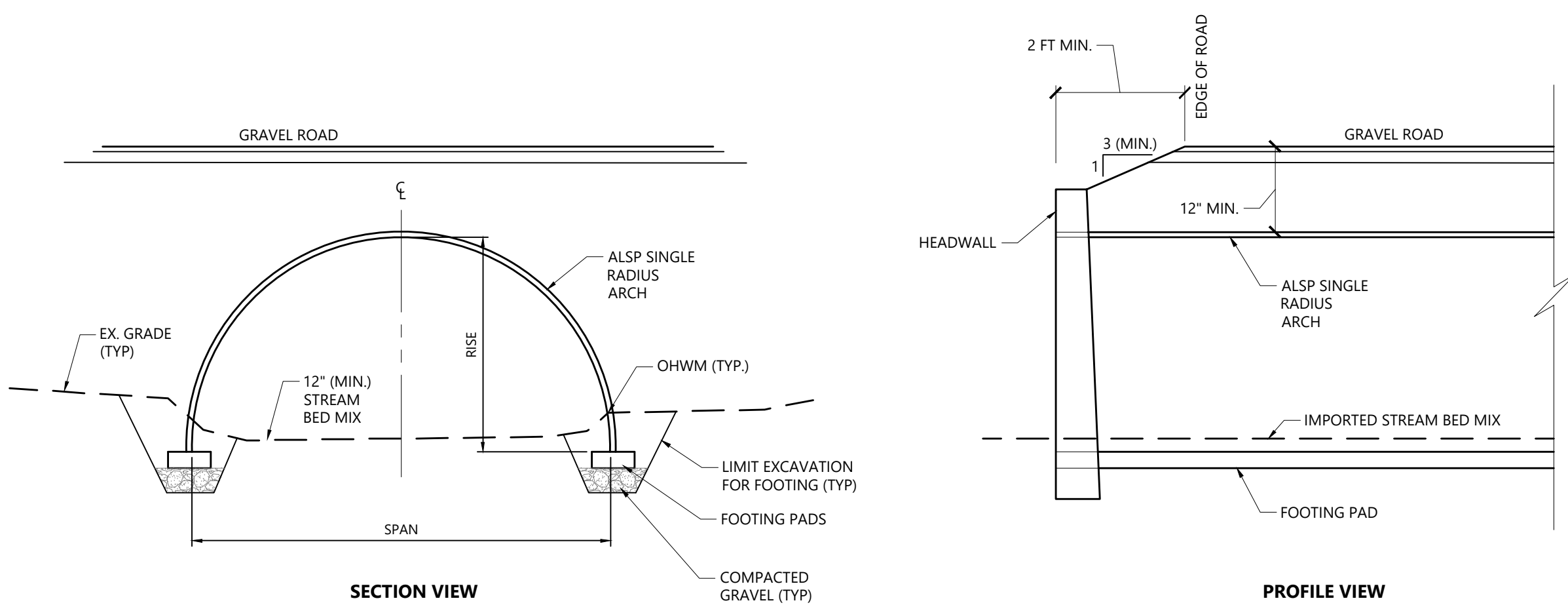
## NOTES

1. THE CONTRACTOR SHALL PROVIDE PRECAST CONCRETE GINGWALLS IN ACCORDANCE WITH STANDARD SPECIFICATIONS SECTION 534. THE WALLS SHALL BE DESIGNED AND STAMPED BY A REGISTERED PROFESSIONAL ENGINEER AND THE DESIGN SHALL BE SUBMITTED TO THE RESIDENT FOR REVIEW. ALL DETAILS ARE SHOWN FOR ESTIMATING PURPOSES ONLY. COST OF GINGWALLS INCLUDED IN ITEM 534.71.
2. THE PRECAST UNITS SHALL BE ONE OF THE FOLLOWING, OR APPROVED EQUAL:
  - "T-WALL" AS MANUFACTURED BY A LICENSED MANUFACTURER OF NEEL COMPANY.
  - "DOUBLEWALL" AS MANUFACTURED BY A LICENSED MANUFACTURER OF DOUBLEWALL CORP., PLAIN, CONNECTICUT.
3. THE MAXIMUM FACTORED BEARING RESISTANCE FOR THE GINGWALLS IS 5 KSF FOR THE BEARING CONDITION. THE CONTRACTOR SHALL REFER TO THE GEOTECHNICAL REPORT FOR FACTORED RESISTANCE FOR THE STRENGTH CONDITION BASED ON STEM LENGTH RANGES.
4. ELEVATION AT BOTTOM OF WALLS MAY BE LOWERED FOR CONSTRUCTABILITY AT NO ADDITIONAL COST TO THE DEPARTMENT.

**Typical Wingwall**

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N.T.S. Source:



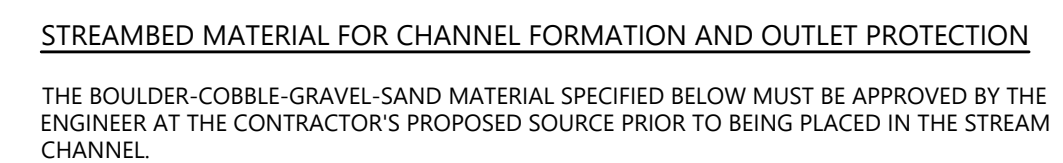
**NOTES**

1. CURTMENT TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
2. CURTMENT TO BE CORRUGATED METAL PIPE CAPABLE OF WITHSTANDING HS-20 LOADING.
3. CURTMENT WING WALLS SHALL BE CONCRETE. CURTMENT TREATMENT AND TYPE OF INVERT TO BE INDICATED ON SITE PLANS.
4. CURTMENT SHALL BE CONCRETE. CURTMENT SHALL BE 18" DEEP AND 18" WIDE.
5. CURTMENT DIMENSIONS (WIDTH x HEIGHT) NOTED ON PLANS ARE FOR CLEAR OPENING AND DO NOT INCLUDE BURIED (SUBGRADE) PORTIONS OF CURTMENTS.
6. THE CURTMENT SHALL CONSIST OF PLATES, RIBS, AND APPURTAINMENT ITEMS AS SHOWN ON THE PLANS AND SHALL CONFORM TO THE REQUIREMENTS OF ASTM B864 AND A457M 219. PLATE THICKNESS SHALL BE 1/2" MINIMUM.
7. BOLTS AND NUTS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A307 OR ASTM A449 AND SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153.
8. THE CURTMENT SHALL BE ASSEMBLED IN PLACE. THE SHOP DRAWINGS PROVIDED BY THE MANUFACTURER AND PER THE MANUFACTURER'S RECOMMENDATIONS, BOLTS SHALL BE TIGHTENED USING AN APPLIED TORQUE BETWEEN 90 AND 135 FT-LBS DEPENDING ON THE LOCATION OF THE BOLTS IN THE STRUCTURE.
9. THE CURTMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, THE MANUFACTURER'S RECOMMENDATIONS AND THE AASHTO STANDARD SPECIFICATION FOR BRIDGES.
10. THE BEDDING SHOULD BE CONSTRUCTED TO A UNIFORM LINE AND GRADE USING MATERIAL OUTLINED IN "BACKFILL REQUIREMENTS" SECTION ON THIS SHEET. THE FOUNDATION MUST BE CAPABLE OF PROVIDING A BEARING CAPACITY OF AT LEAST TWO TONS PER SQUARE FOOT.
11. FOR CURTMENT DIMENSIONS, REFER TO PLAN SHEETS.

**Stream Crossing SC-1** **DR-09**

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N.T.S. Source: VHB/CONTECH



Cumulative Percent of particles finer than indicated particle size	PARTICLE SIZE (inches)	PARTICLE TYPE
D10	< 0.04	sand
D16	1.0-2.0	gravel
D35	3.0-4.0	cobble
D50	8.0-10.0	cobble
D84	14.0-16.0	boulder

DESCRIPTION	SIZE	BUCKETS	PERCENT
ROCK/BOULDER	WELL GRADED 12-16"	0.5	7 - 12%
ROCK/COBBLE	WELL GRADED 8 - 12"	2	35 - 40%
BANK RUN GRAVEL	0.08 - 2.5" <sup>19</sup>	2	35 - 40%
COURSE SAND	0.04 - 0.08" (1 - 2 MM)	0.75	12 - 17%

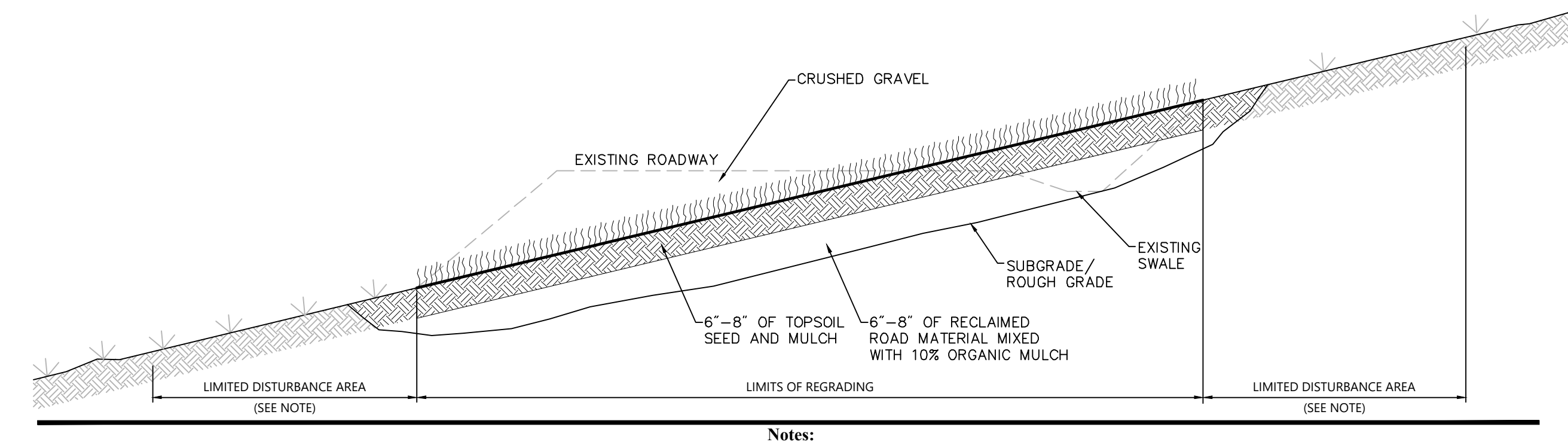
## NOTES

- ALL IMPORTED BEDDING MATERIAL SHALL CONSIST OF FIELD STONE OR NATURAL RIVER ROCK SIMILAR IN COLOR AND APPEARANCE TO IN-SITU MATERIALS.
- CRUSHED STONE SHALL NOT BE PERMITTED.
- BANK RUN GRAVEL MAY INCLUDE UP TO 5% CLAY, SILT, AND/OR SAND, AND UP TO 25% COBBLE AND SHALL HAVE NATURAL COLOR (BROWN, TAN, YELLOW, OR WHITE).
- SAND SHALL BE WELL MIXED AND PREDOMINANTLY 1.0 TO 2.0 MILLIMETERS IN SIZE AND HAVE NATURAL COLOR (BROWN, TAN, YELLOW, OR WHITE).
- THE GRADATION OF IMPORTED MATERIALS SHALL FALL WITHIN THE ENVELOPE AS INDICATED IN THE TABLE ABOVE.
- COBBLE GRAVEL VOID RATIO IS ESTIMATED AT 20%. THEREFORE, 20% BY VOLUME OF CL MATERIAL SHALL BE ADDED TO THE COBBLE-GRAVEL SAND MATERIAL PRIOR TO PLACEMENT IN THE DESIGNATED AREAS. SEE CONSTRUCTION SPECIFICATIONS FOR DETAILS RELATIVE TO MIXING, PLACING, AND COMPACTING STREAMBED MATERIAL.

**Streambed Material**

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N.T.S. Source: VHB



**RECLAMATION PROCEDURE**

REMOVE ROAD MATERIAL USING A BULLDOZER TO A DEPTH OF 12 INCHES BELOW APPROXIMATE FINAL GRADE. GRADUALLY STOCKPILE MATERIAL IN AN UPLAND AREA FOR USE IN ACHIEVING FINAL GRADE (SEE ATTACHED ROADWAY RECLAMATION - TYPICAL SECTION);

a. INSTALL SILT FENCE TO SURROUND SOIL STOCKPILES (E);

b. IF STOCKPILED MATERIAL WILL NOT BE USED WITHIN 14 DAYS, APPLY MULCH FOR TEMPORARY STABILIZATION.

2. STOCKPILED MATERIAL SHOULD BE MIXED WITH APPROXIMATELY 10% COMPOSTED ORGANIC MATTER U.S. ARMY CORPS OF ENGINEERS (USACE) - NEW ENGLAND DISTRICT - REGULATORY OFFICE, 2001 NEW ENGLAND DISTRICT, COMPENSATORY MITIGATION GUIDANCE, AND PLACED TO A DEPTH OF 8" TO 6" INCHES WITHIN THE EXCAVATED AREA;

a. STOCKPILED MATERIAL SHOULD BE LIGHTLY COMPACTED TO MINIMIZE THE EFFECTS OF WATER SETTLING (E); WITH A LIGHT TO MEDIUM MOISTURE SUCH AS A BROADCAST OF WATER;

3. CLEAN TOPSOIL (I.E., REASONABLY FREE OF NONORGANIC RESIDUE SUCH AS PLASTICS, AS WELL AS CHEMICAL CONTAMINANTS SUCH AS HERBICIDES) AND WITH AN ORGANIC MATTER CONTENT OF BETWEEN 10 AND 20%, SHOULD BE PLACED TO A DEPTH OF 2" TO 4" INCHES WITHIN THE EXCAVATED AREA TO ACHIEVE FINAL GRADE;

a. THE TOPSOIL SHOULD BE LIGHTLY COMPACTED IN A SIMILAR MANNER TO THE SUB-GRADE MATERIAL. THE BROADCAST SHOULD MOVE IN A DIRECTION THAT IS PERPENDICULAR TO THE SLOPE TO CREATE MICROTOPOGRAPHY THAT WILL INHIBIT EROSION RUNOFF AFTER RAINFALL;

4. THE GRADED AREA SHOULD BE SEEDDED AS SOON AS POSSIBLE TO ENSURE SITE STABILIZATION.

5. THE SEED MIX SHOULD INCLUDE A MIX OF NATIVE SPECIES WHICH CONTAIN BOTH ANNUAL AND PERENNIAL SPECIES TO ENSURE QUICK AND LASTING COVERAGE (SEE TABLE 1 FOR REPRESENTATIVE SEED MIX).

6. THE SEED MIX MAY BE APPLIED BY HYDRO-SEEDING, BY MECHANICAL SPREADING, OR BY HAND (FOR SMALLER AREAS);

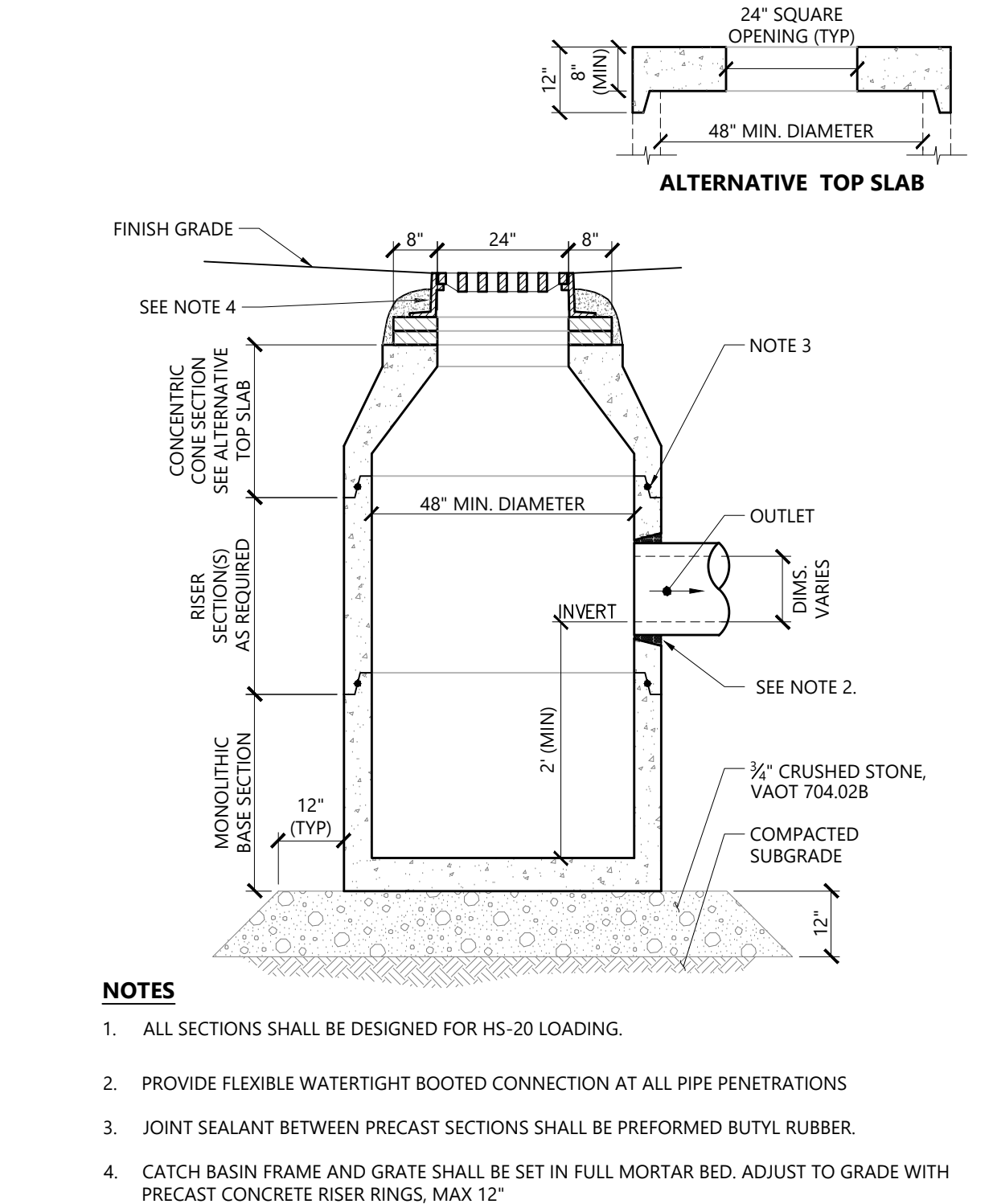
a. IF SEED IS APPLIED BY MECHANICAL OR HAND SPREADING METHODS, THE RESTORED AREA SHOULD BE MULCHED IMMEDIATELY USING STRAW MULCH TO MINIMIZE THE PRESENCE OF UNDESIRABLE SPECIES (I.E., INVASIVE SPECIES);

b. THE SEED MIX SHOULD BE APPLIED AT A RATE OF 100 LBS PER ACRE.

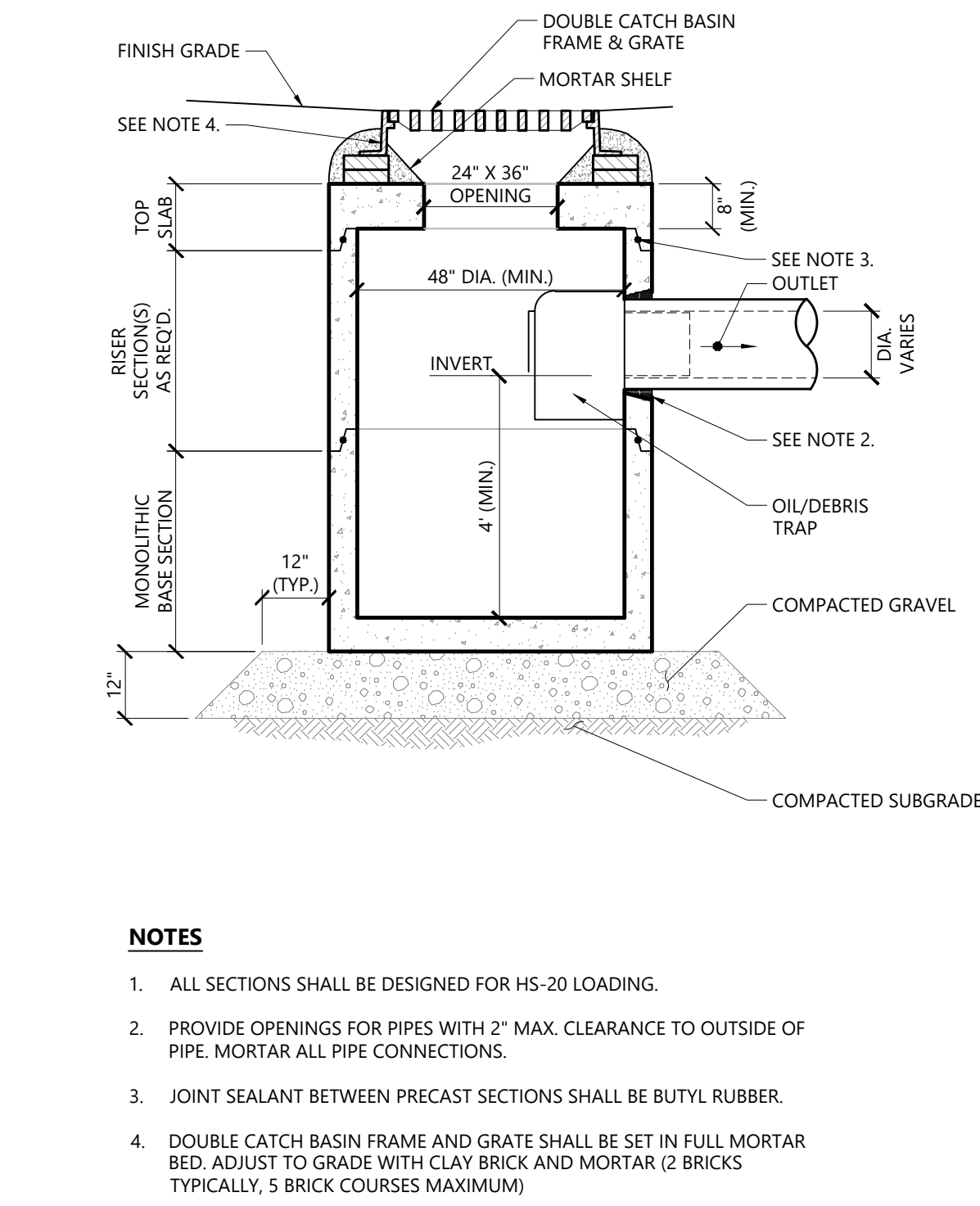
<b>Roadway Reclamation Detail</b>		<b>ST-06</b>
N.T.S.	Source: VHB	

<u>PROPOSED SEED MIX FOR ROAD RECLAMATION</u>	
<u>COMMON NAME</u>	<u>SCIENTIFIC NAME</u>
RED FESCUE	FESTUCA RUBRA
LITTLE BLUESTEM	SCHIZACHYRIUM SCOPARIUM
SWITCH GRASS	PANICUM VIRGATUM
ANNUAL RYE	ELYMUS VIRGINICUS
BIG BLUESTEM	ANDROPOGON GERARDII
INDIAN GRASS	SORGHASTRUM NUTANS
DEER TONGUE	PANICUM CLANDESTINUM
PARROT PEA	CHAMAECRISTA SCISCUOLATA
SOFT RYE	JUNCUS EFFUSUS
PATH RUSH	JUNCUS TENUIS
ROUGH BENTGRASS	AGROSTIS SCABRA

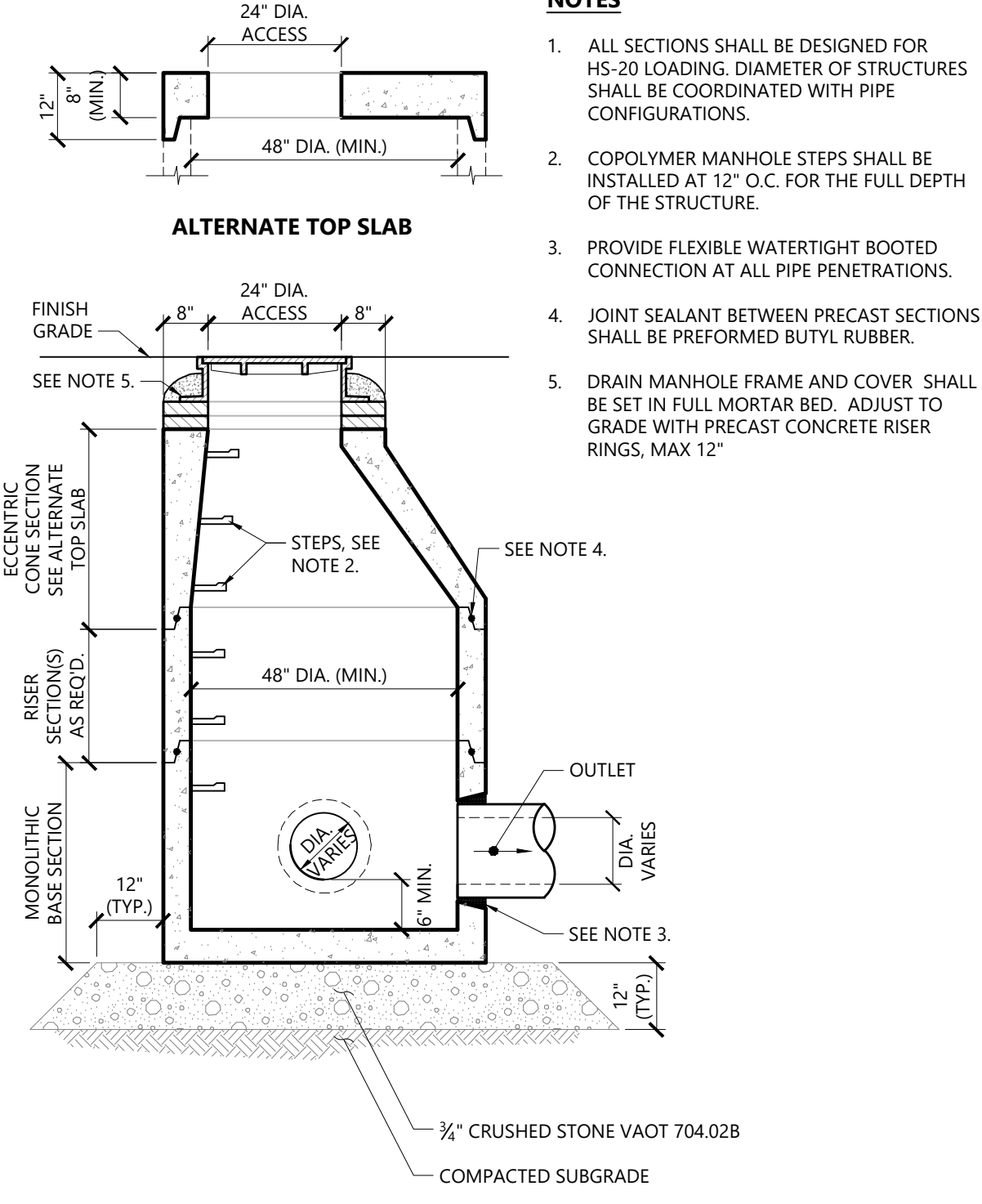




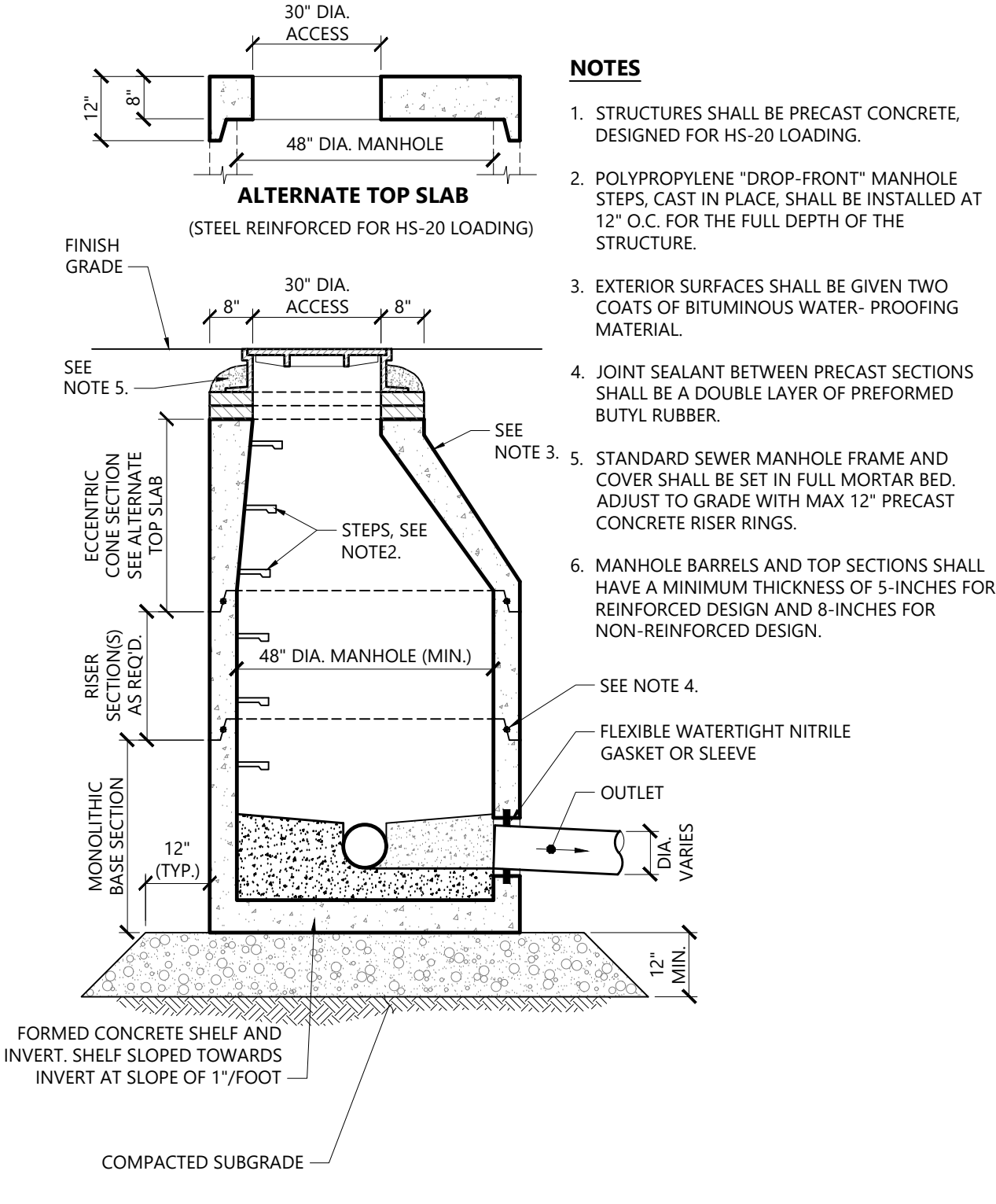
**Catch Basin (CB)** 1/16  
N.T.S. Source: VHB LD\_100



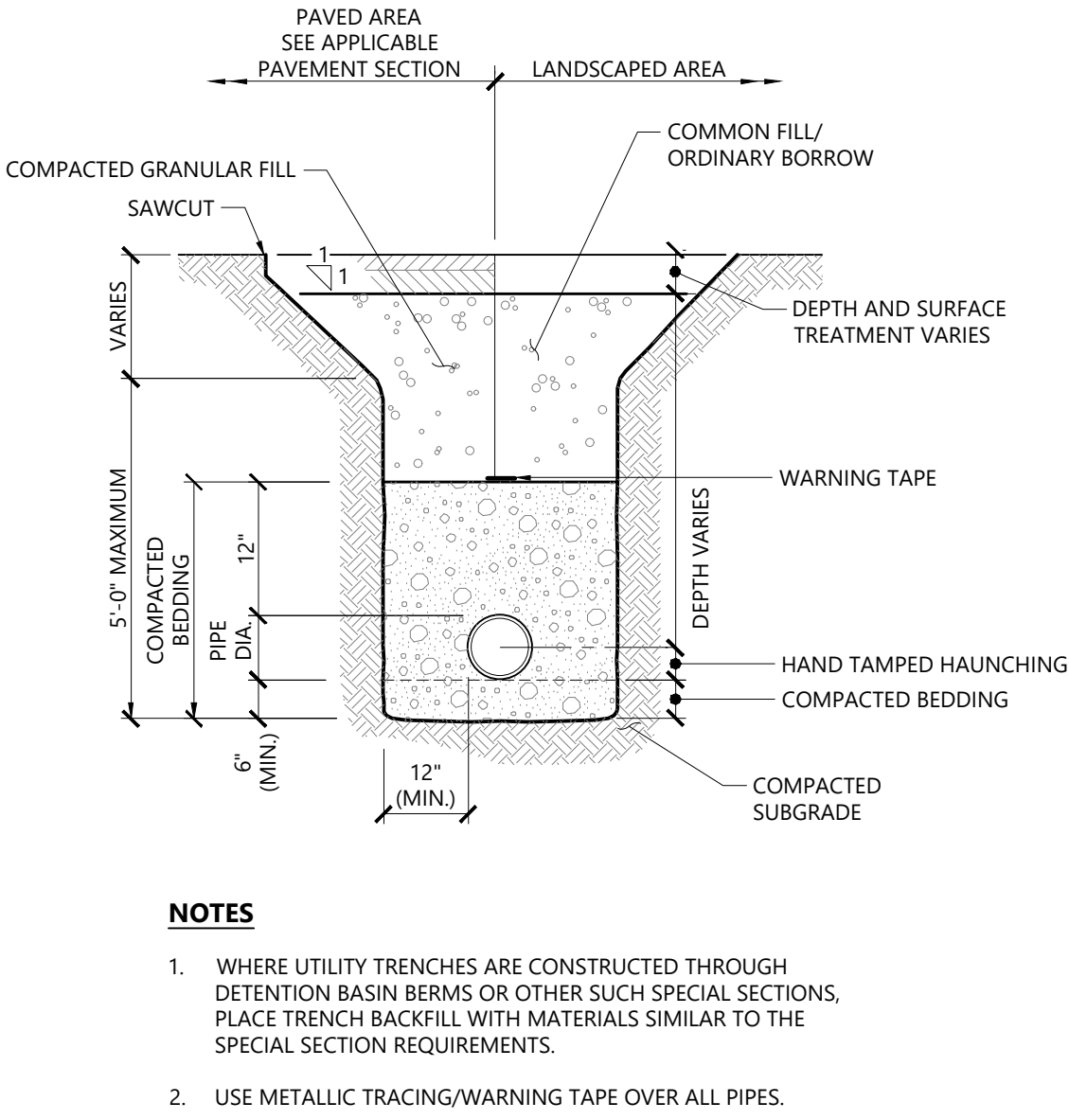
**Double Grate Catch Basin (DCB) with Oil/Debris Trap** 1/16  
N.T.S. Source: VHB LD\_103



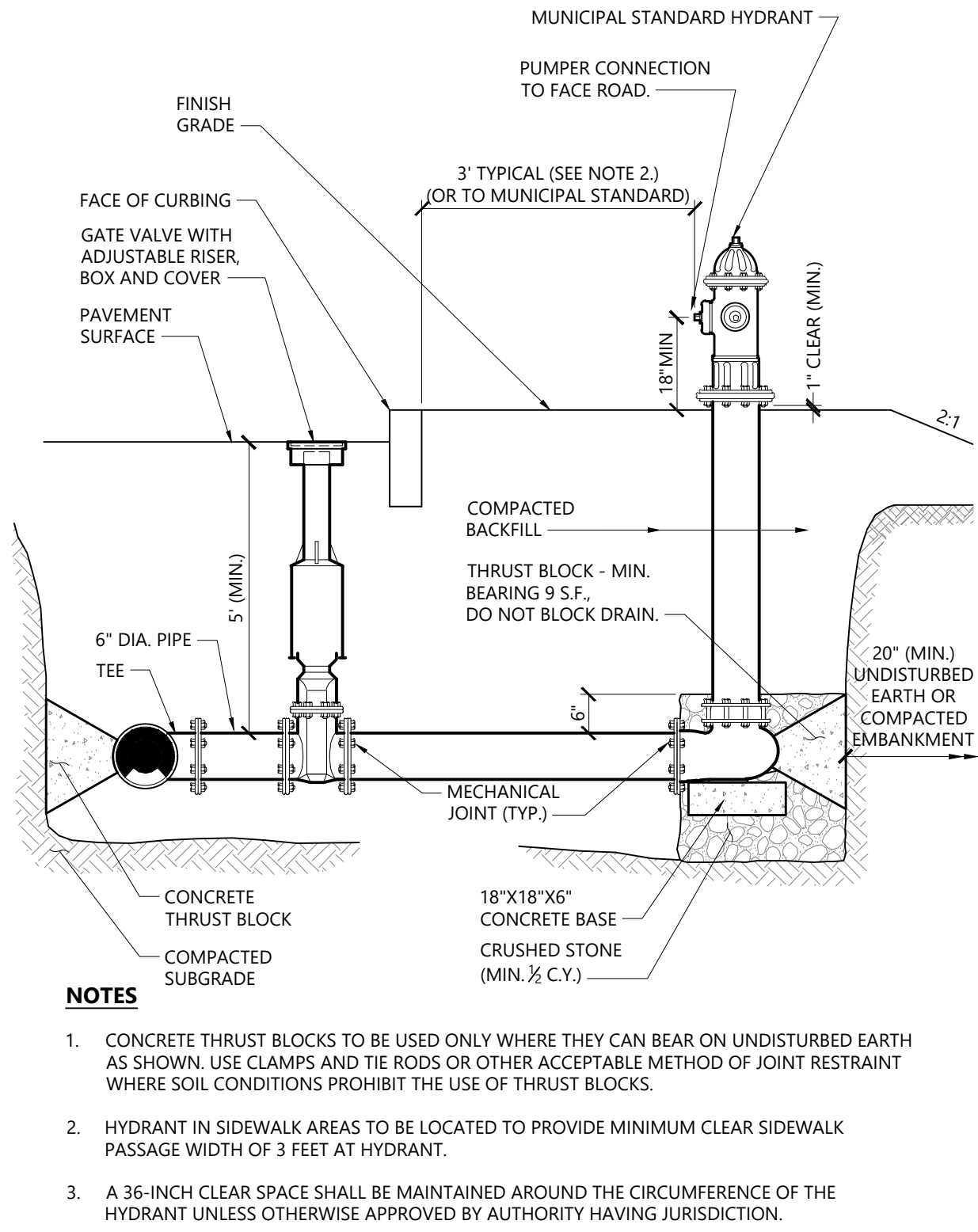
**Drain Manhole (DMH)** 1/16  
N.T.S. Source: VHB LD\_115



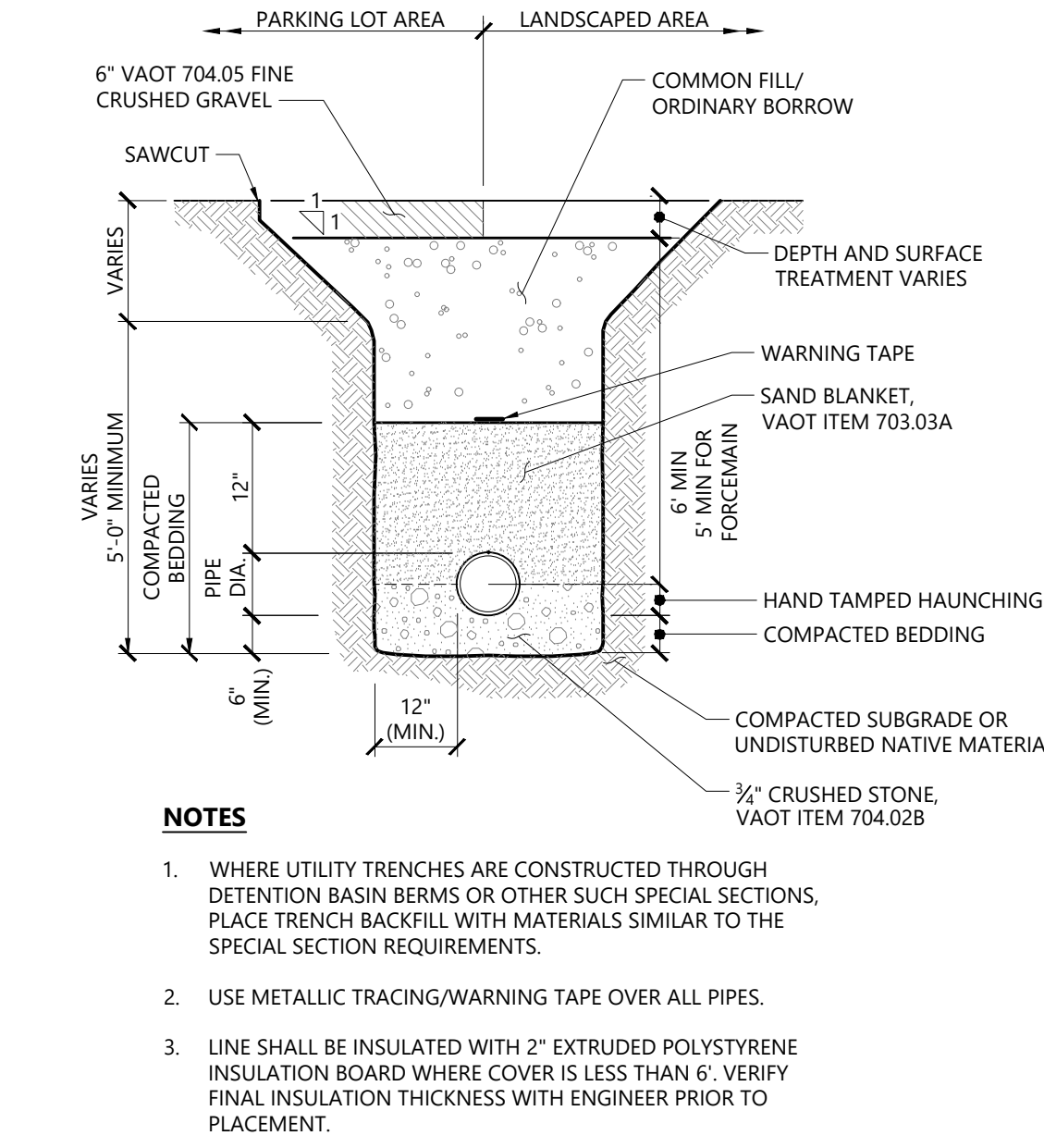
**Sanitary Sewer Manhole (SMH)** 1/16  
N.T.S. Source: VHB LD\_200-VT



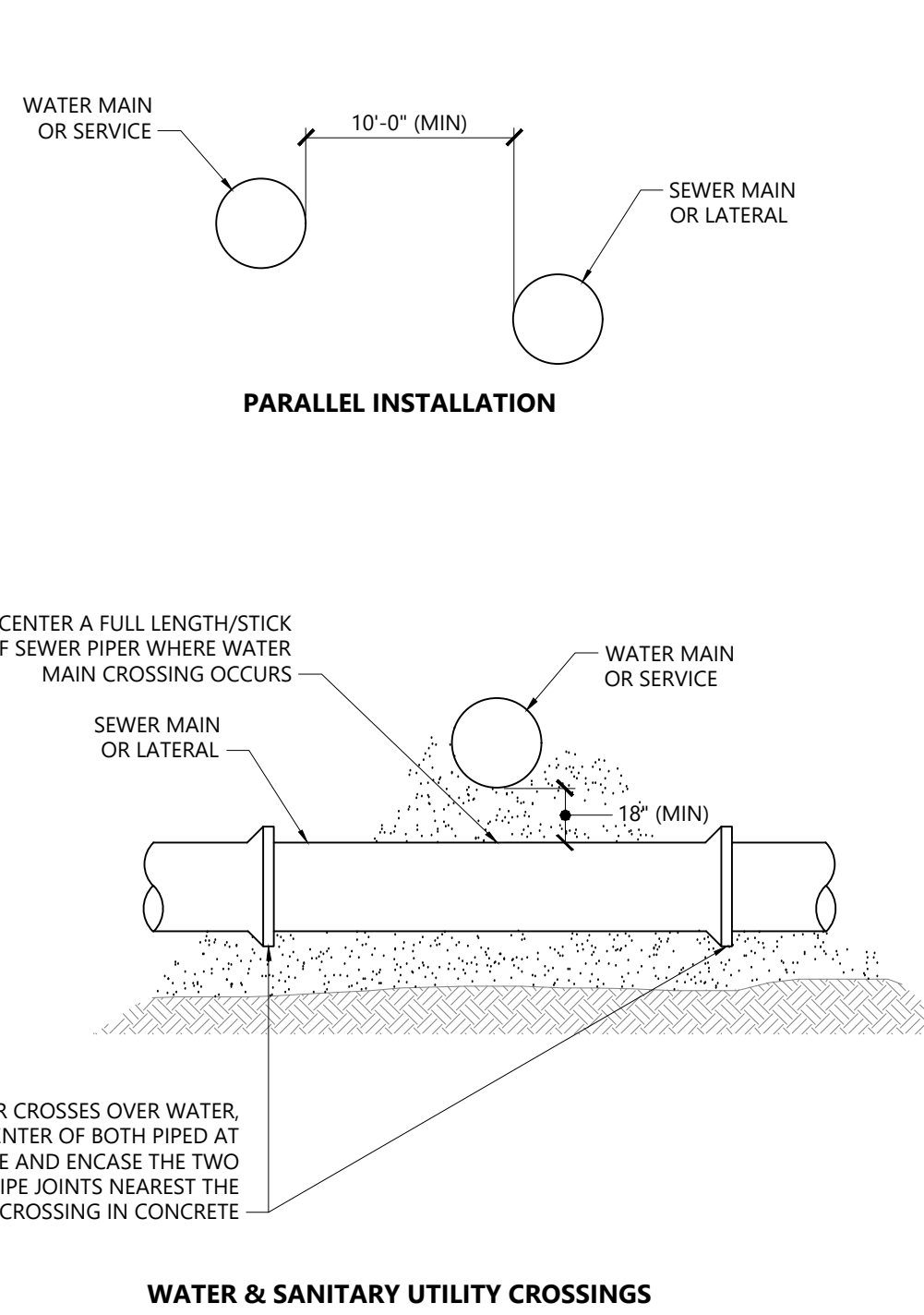
**Utility Trench** 1/16  
N.T.S. Source: VHB LD\_300



**Hydrant Construction** 12/18  
N.T.S. Source: VHB LD\_250



**Sewerline Trench** 1/16  
N.T.S. Source: VHB LD\_



**Water / Sewer Separation** 11/15  
N.T.S. Source: VHB LD\_

TABLE OF DIMENSIONS											
BENDS	B	C	D	E	F	BENDS	B	C	D	E	F
6" 11 1/2"	8"	15"	12"	24"	12"	6" 45"	8"	30"	12"	24"	14"
6" 22 1/2"	"	19"	"	13"	6" 90"	"	30"	"	"	27"	"
8" 11 1/2"	"	20"	"	12"	8" 45"	"	30"	"	"	24"	"
8" 22 1/2"	"	22"	"	17"	8" 90"	"	38"	"	"	36"	"
12" 11 1/2"	"	30"	"	15"	12" 45"	"	40"	"	"	40"	"
12" 22 1/2"	"	35"	"	25"	12" 90"	"	60"	"	"	52"	"

TABLE OF DIMENSIONS											
TEES	G	H	I	J	TEES	G	H	I	J		
6"X6"X6"	12"	24"	24"	18"	12"X12"X6"	12"	24"	24"	18"		
8"X8"X6"	"	"	"	"	12"X12"X8"	"	"	"	24"		
8"X8"X8"	"	"	24"	12"X12"X12"	"	36"	"	"	36"		

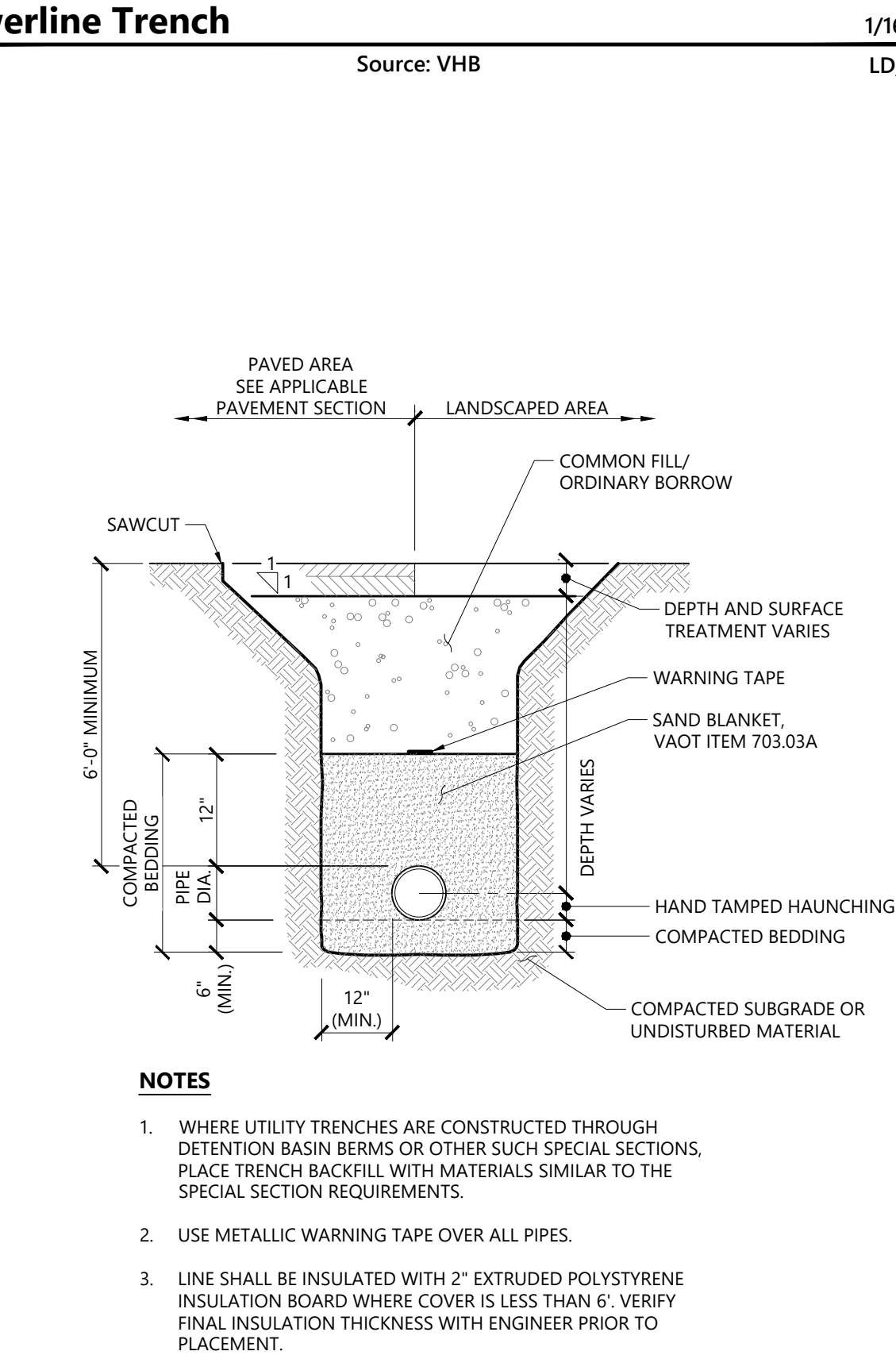
**PLAN**

**SECTION 2-2**

**NOTES**

- PROVIDE BLOCKS FOR TAPPING SLEEVES, DEAD ENDS, GATE VALVES, AND VERTICAL BENDS (SAME SIZE AS REQUIRED FOR TEES). PROVIDE ANCHOR RODS AT VERTICAL BENDS AND GATE VALVES.
- CONCRETE SHALL NOT BE PLACED AGAINST PIPE BEYOND FITTING.
- CONCRETE SHALL BE 3,000 PSI-TYPE I.

**Concrete Thrust Block** 1/16  
N.T.S. Source: VHB LD\_260



**Waterline Trench** 1/16  
N.T.S. Source: VHB LD\_

**Sugarloaf Mtn Corp  
West Mountain  
Expansion**

5092 Access Road  
Carrabassett Valley, ME 04947

No.	Revision	Date	App'd.

Designed by: **RWN** Checked by: **PS**

Issued for: **PS** Date: **September 23, 2021**

**Review**

**Not For Construction**

**Utility Details**

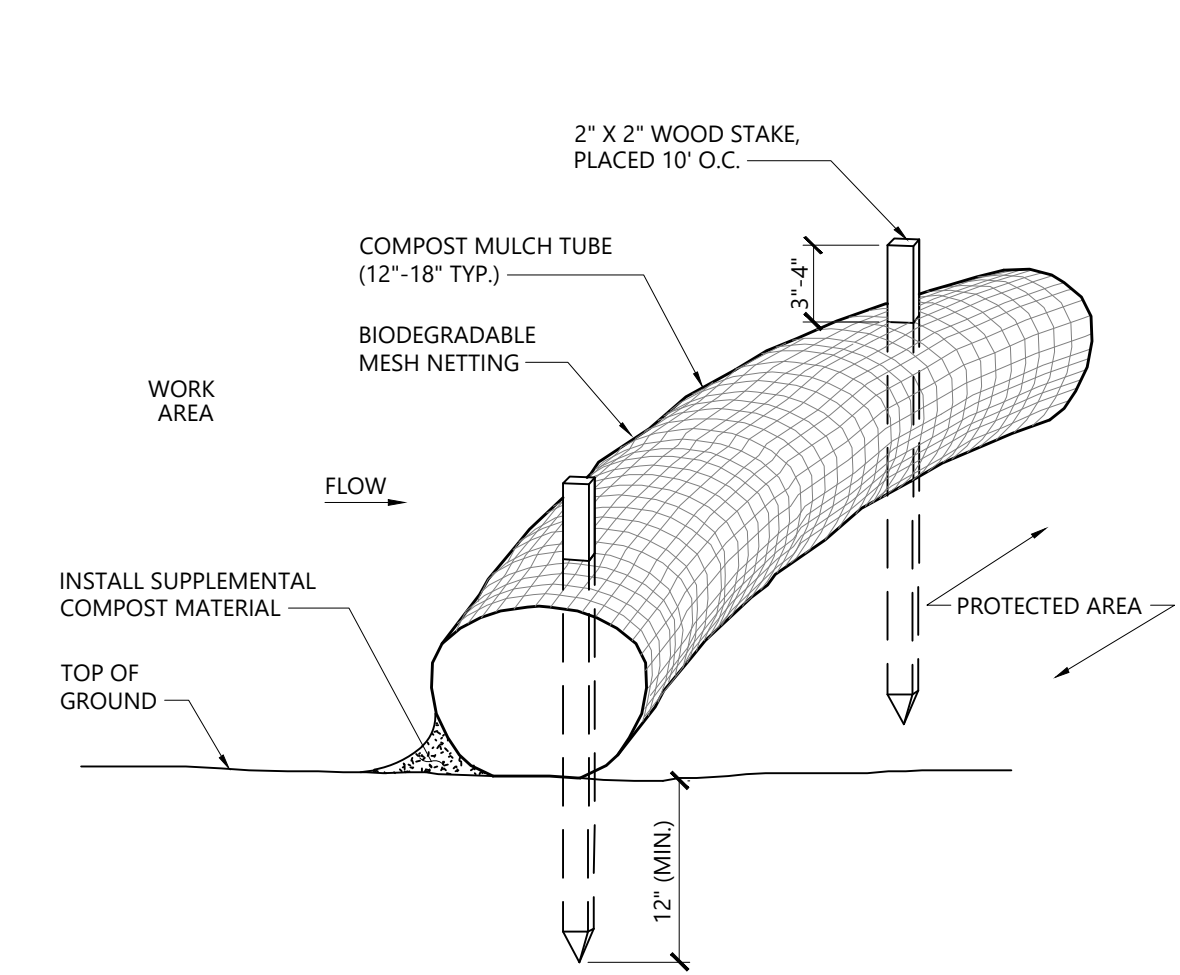
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Drawing Number: **C1.03**

Sheet # **58** of **58**

Project Number: **55310.01**

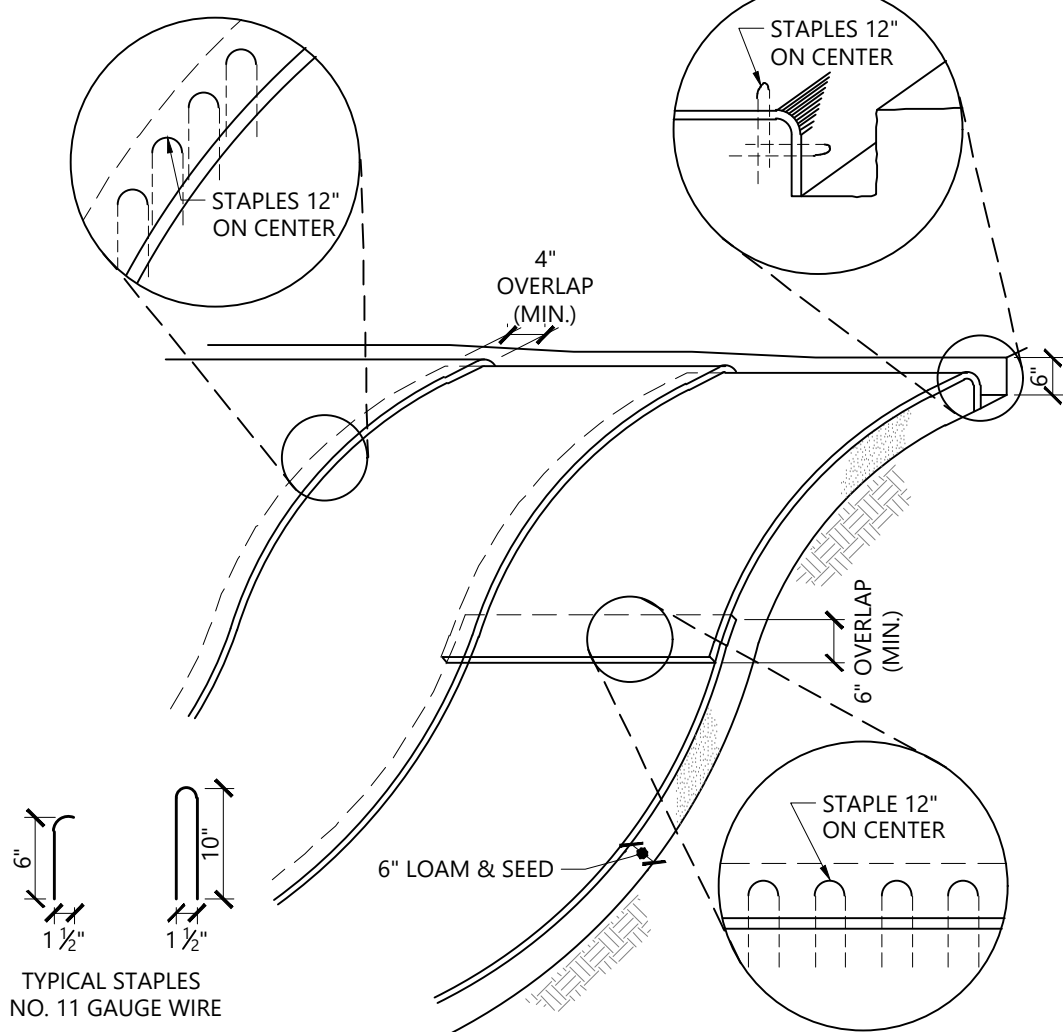




**NOTES**

1. COMPOST MULCH TUBE SHALL BE FILTREXX SILTSOXX, OR APPROVED EQUAL.
2. SILT SOCKS SHALL OVERLAP A MINIMUM OF 12 INCHES.
3. SILT SOCK SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS, AND REPAIR OR REPLACEMENT SHALL BE PERFORMED PROMPTLY AS NEEDED.
4. COMPOST MATERIAL SHALL BE DISPERSED ON SITE, AS DETERMINED BY THE ENGINEER.
5. IF NON BIODEGRADABLE NETTING IS USED THE NETTING SHALL BE COLLECTED AND DISPOSED OF OFFSITE.
6. SEE SPECIFICATIONS FOR SOCK SIZE, AND COMPOST FILL REQUIREMENTS.

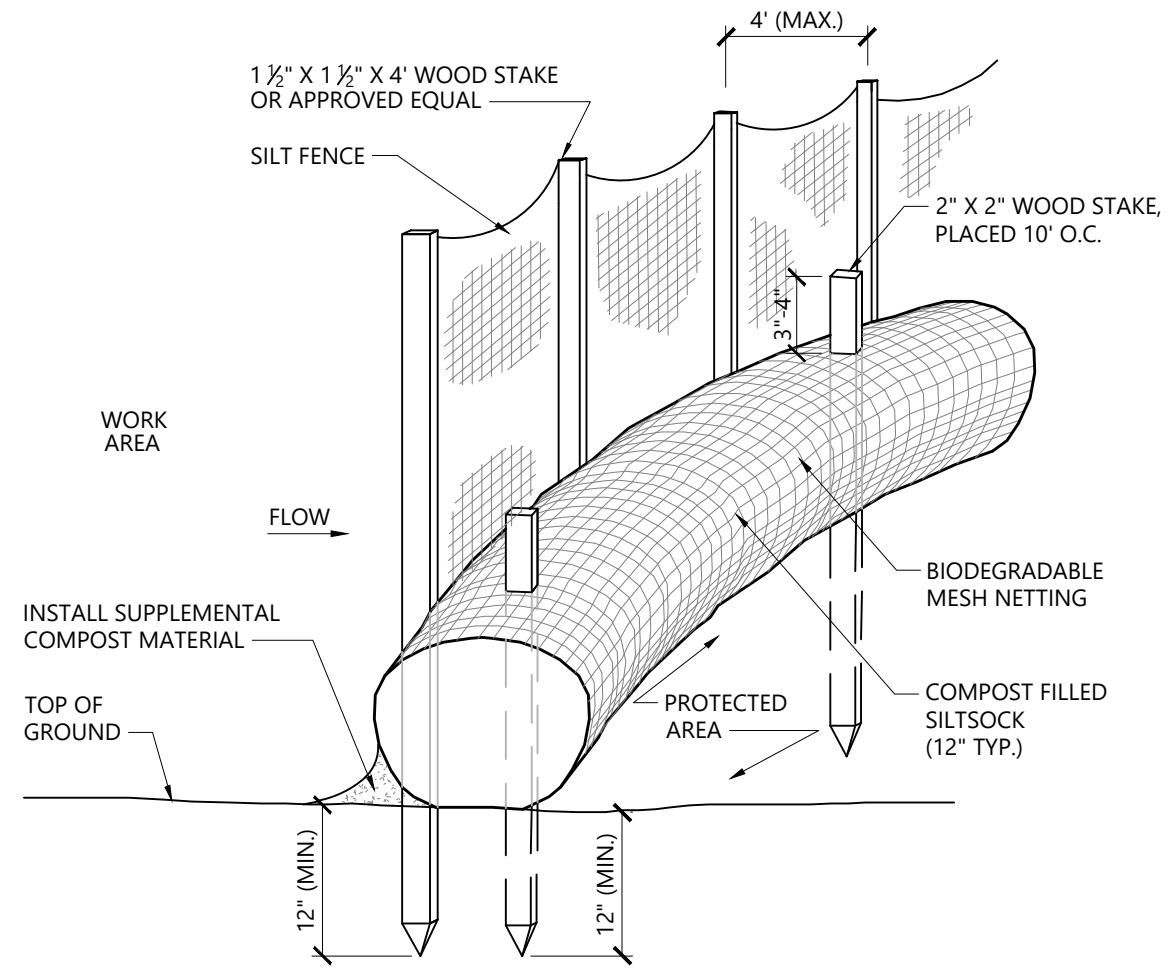
**Compost Mulch Tube - Erosion Control Barrier** 1/16  
N.T.S. Source: VHB LD\_658



**NOTES**

1. BEGIN AT THE TOP OF BLANKET INSTALLATION AREA BY ANCHORING BLANKET IN A 6" DEEP TRENCH BACKFILL AND COMPACT TRENCH AFTER STAPLING.
2. ROLL THE BLANKET DOWN THE SWALE IN THE DIRECTION OF THE WATER FLOW.
3. THE EDGES OF BLANKETS MUST BE STAPLED WITH APPROX. 4 INCH OVERLAP WHERE 2 OR MORE STRIP WIDTHS ARE REQUIRED.
4. WHEN BLANKETS MUST BE SPICED DOWN THE SWALE, PLACE UPPER BLANKET END OVER LOWER END WITH 6 INCH (MIN.) OVERLAP AND STAPLE BOTH TOGETHER.
5. METHOD OF INSTALLATION SHALL BE AS PER MANUFACTURER'S RECOMMENDATIONS.
6. EROSION CONTROL BLANKETS TO BE USED IN AREAS WHERE SLOPES ARE EQUAL TO OR GREATER THAN 3:1. ALTERNATIVES MAY INCLUDE MULCH NETTING OVER LOOSE MULCH, OR EROSION CONTROL MIX AS SPECIFIED IN THE MAJNE EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMP).

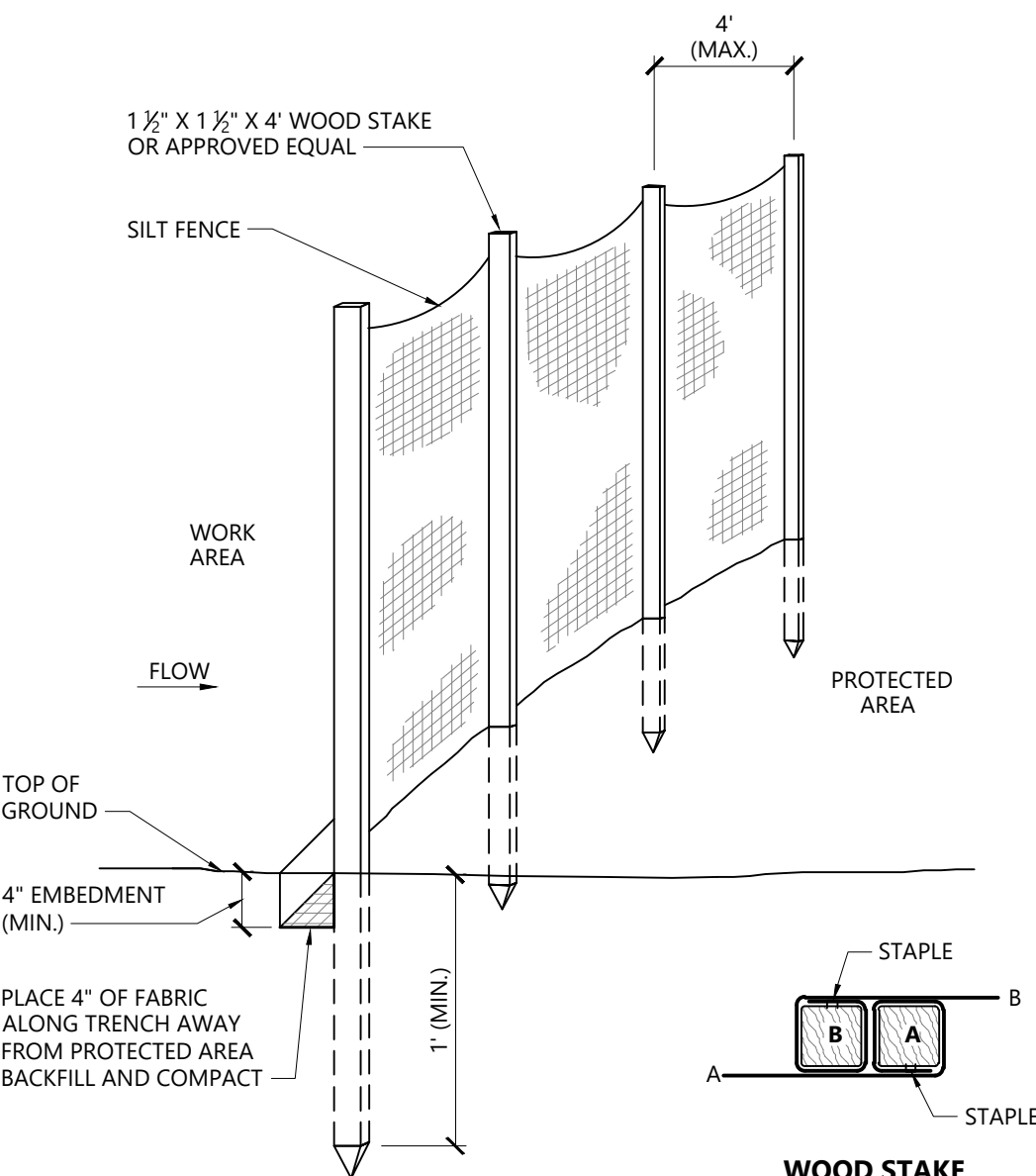
**Erosion Control Blanket Slope Installation** 1/16  
N.T.S. Source: VHB LD\_680



**NOTES**

1. SILT SOCK SHALL BE FILTREXX SILTSOXX, OR APPROVED EQUAL.
2. SILT SOCKS SHALL OVERLAP A MINIMUM OF 12 INCHES.
3. SILT SOCK SHALL BE INSPECTED WEEKLY AT A MINIMUM AND BEFORE AND WITHIN 24 HOURS AFTER ALL STORM EVENTS (RAINFALL). IF REPAIR IS REQUIRED, REPAIR WORK SHALL BE INITIATED UPON DISCOVERY OF THE PROBLEM BUT NO LATER THAN THE END OF THE NEXT WORKDAY. IF ADDITIONAL BMPs OR SIGNIFICANT REPAIR OF BMPs ARE NECESSARY, IMPLEMENTATION MUST BE COMPLETED WITHIN 7 CALENDAR DAYS AND PRIOR TO ANY STORM EVENT (RAINFALL). ALL MEASURES MUST BE MAINTAINED IN EFFECTIVE OPERATING CONDITION UNTIL AREAS ARE PERMANENTLY STABILIZED.
4. COMPOST MATERIAL SHALL BE DISPERSED ON SITE, AS DETERMINED BY THE ENGINEER.
5. IF NON BIODEGRADABLE NETTING IS USED THE NETTING SHALL BE COLLECTED AND DISPOSED OF OFFSITE.
6. SILT SOCK / SILT FENCE BARRIER SHALL BE USED WHERE DISTURBANCE OCCURS WITHIN 50 FT OF A PROTECTED NATURAL RESOURCE.
7. EROSION AND SEDIMENT CONTROL BARRIERS SHALL BE INSTALLED ALONG EXISTING GRADES WITH ENDS TURNED UPSLOPE.

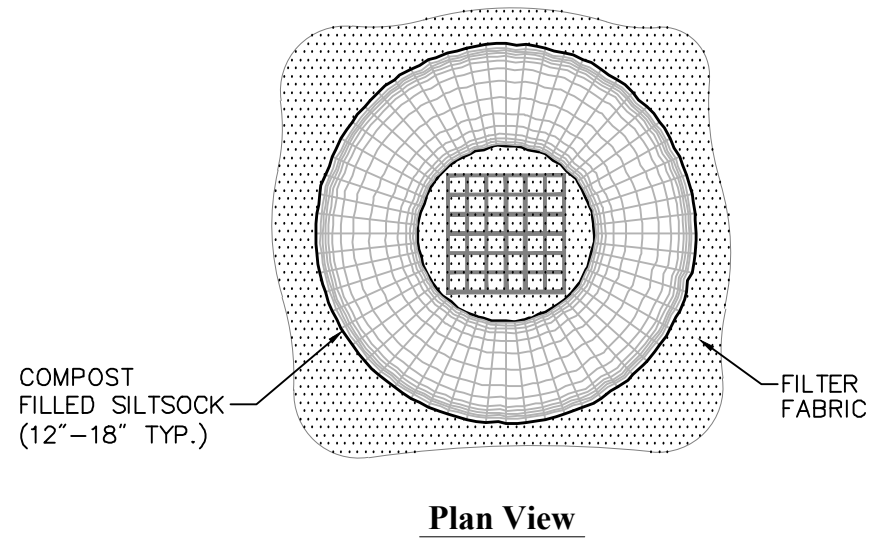
**Siltsock / Silt Fence Barrier** 1/16  
N.T.S. Source: VHB LD\_658-A



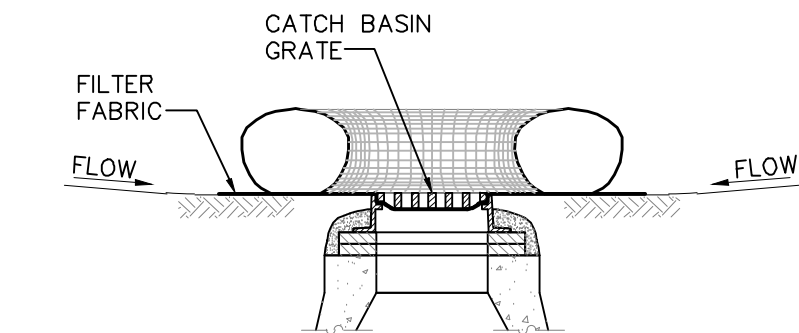
**NOTES**

1. SILT FENCE MAY BE REQUIRED IN ADDITION TO EROSION CONTROL TUBES WHERE SLOPES ARE GREATER THAN 2:1.
2. EROSION AND SEDIMENT CONTROL BARRIERS SHALL BE INSTALLED ALONG EXISTING GRADES WITH ENDS TURNED UPSLOPE.

**Silt Fence Barrier** 1/16  
N.T.S. Source: VHB LD\_650



**Plan View**

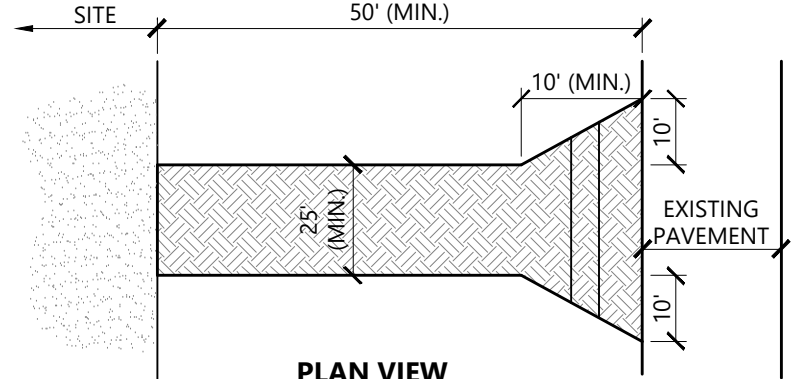


**Section View**

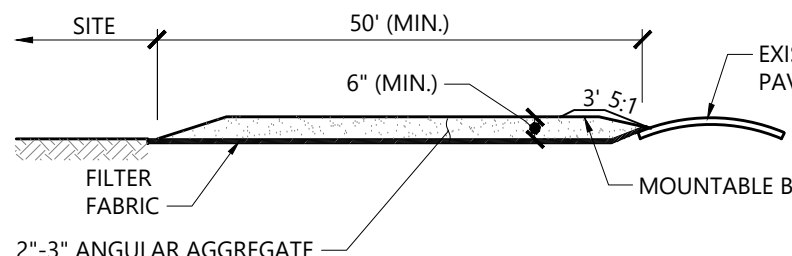
**Notes:**

1. ENCLOSE STRUCTURE WITH SILT SOCK IMMEDIATELY AFTER CATCH BASIN CONSTRUCTION. MAINTAIN UNTIL PAVING BINDER COURSE IS COMPLETE OR A PERMANENT STAND OF GRASS HAS BEEN ESTABLISHED.
2. IF GRATE IS AGAINST EXISTING CURB THEN SILT SOCK IS TO BE PLACED AROUND THREE SIDES OF GRATE ONLY.
3. GRATE TO BE PLACED OVER FILTER FABRIC.
4. SILT SOCK SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS AND REPAIR OR REPLACEMENT SHALL BE PERFORMED PROMPTLY AS NEEDED.
5. SILT SOCK SHALL BE FILTREXX SILTSOXX, OR APPROVED EQUAL.

**Catch Basin Sediment Trap - Siltsock** 1/16  
N.T.S. Source: VHB



**PLAN VIEW**

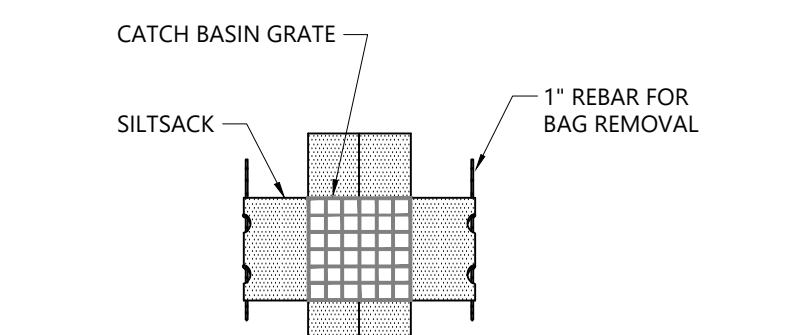


**CROSS-SECTION**

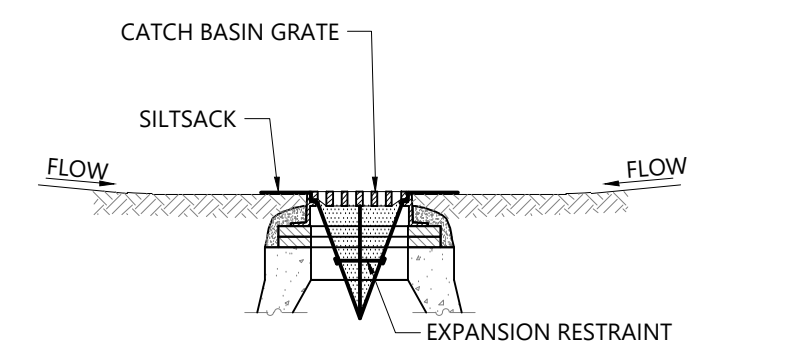
**NOTES**

1. EXIT WIDTH SHALL BE A TWENTY-FIVE (25) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
2. THE EXIT SHALL BE MAINTAINED IN A CONDITION WHICH SHALL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. SEDIMENTS SHALL BE REMOVED BY VACUUM SWEEPING.
3. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY. BERM SHALL BE PERMITTED. INSPECTION AND MAINTENANCE SHALL BE PERFORMED WEEKLY AND BEFORE AND AFTER STORM EVENTS.
4. STABILIZED CONSTRUCTION EXIT SHALL BE REMOVED PRIOR TO FINAL FINISH MATERIALS BEING INSTALLED.

**Stabilized Construction Entrance/Exit** 7/19  
N.T.S. Source: VHB LD\_682



**PLAN VIEW**

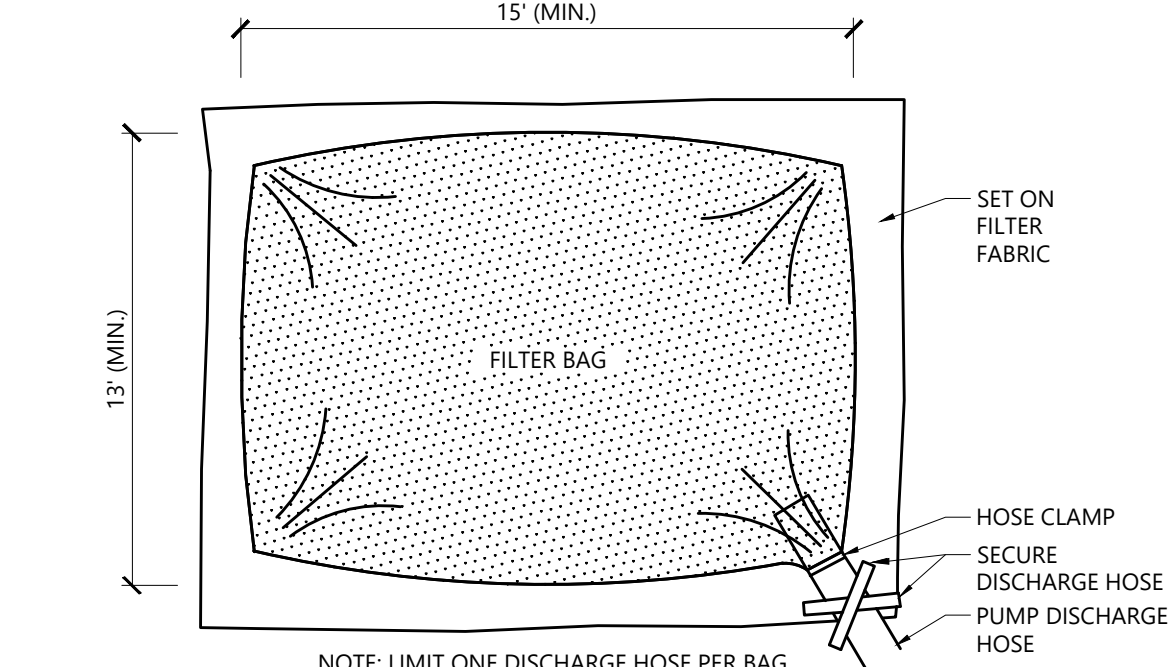


**SECTION VIEW**

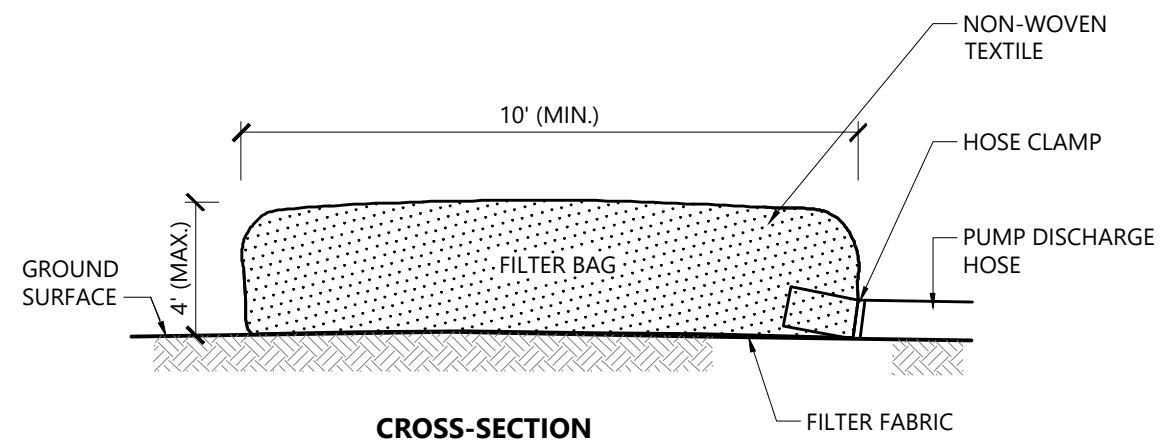
**NOTES**

1. INSTALL SILT SACK IN ALL CATCH BASINS WHERE INDICATED ON THE PLAN BEFORE COMMENCING WORK OR IN PAVED AREAS AFTER BINDER COURSE IS PLACED AND HAY BALES HAVE BEEN REMOVED.
2. GRATE TO BE PLACED OVER SILT SACK.
3. SILT SACK SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS AND CLEANING OR REPLACEMENT SHALL BE PERFORMED PROMPTLY AS NEEDED. MAINTAIN UNTIL UPSTREAM AREAS HAVE BEEN PERMANENTLY STABILIZED.

**Siltsack Sediment Trap** 1/16  
N.T.S. Source: VHB LD\_674



**PLAN VIEW**

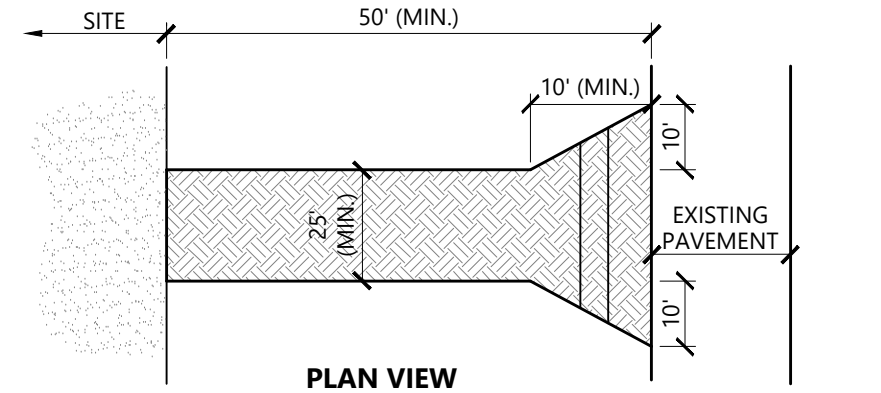


**CROSS-SECTION**

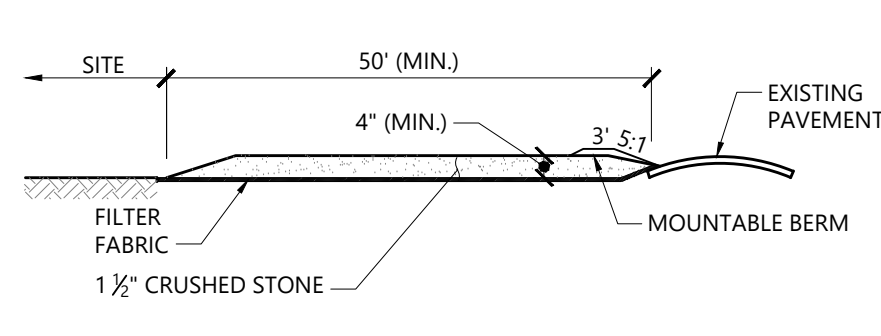
**NOTES**

1. BAG TO BE USED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
2. DEWATERING FILTER BAGS SHALL BE PLACED A MINIMUM OF 75 FEET AWAY FROM PROTECTED NATURAL RESOURCES. ENSURE DOWN GRADIENT SLOPE IS WELL VEGETATED.

**Dewatering Filter Bag** 1/16  
N.T.S. Source: VHB LD\_691



**PLAN VIEW**

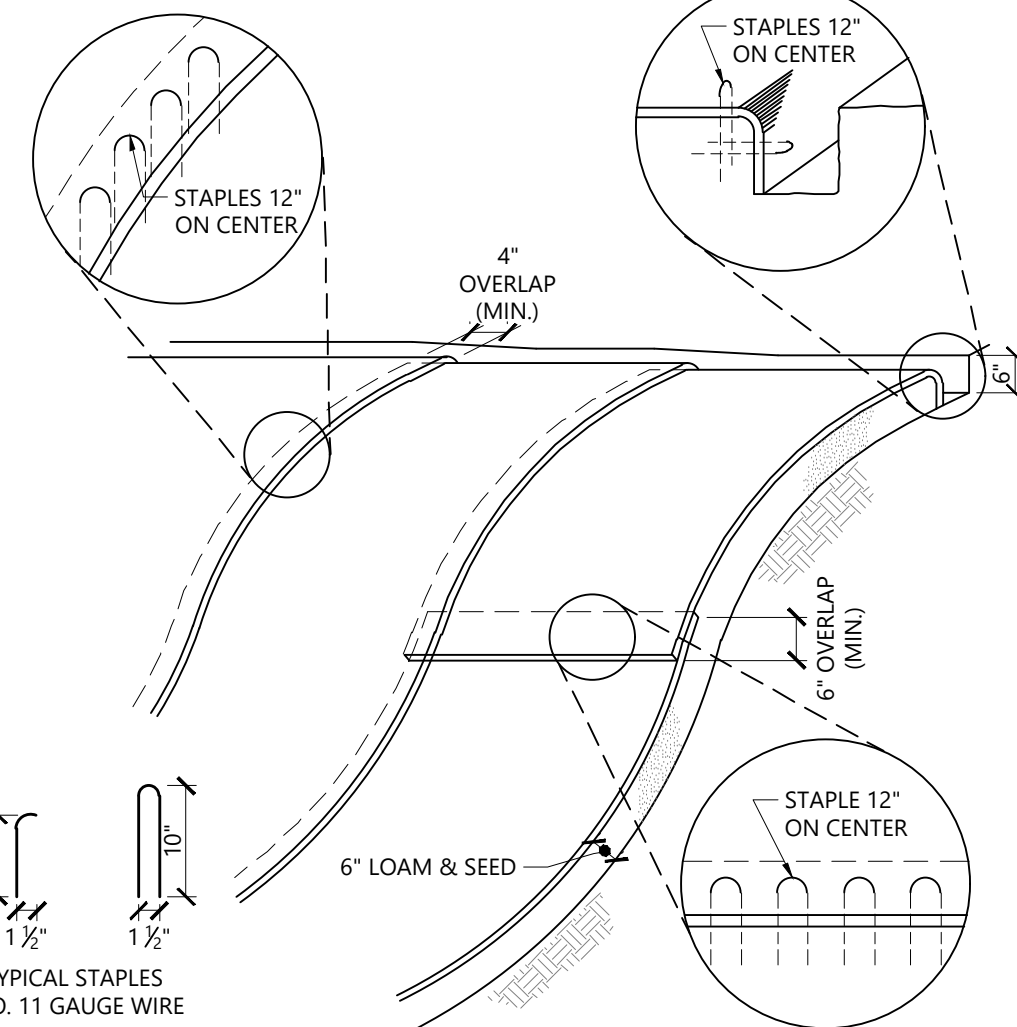


**CROSS-SECTION**

**NOTES**

1. EXIT WIDTH SHALL BE A TWENTY-FIVE (25) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
2. THE EXIT SHALL BE MAINTAINED IN A CONDITION WHICH SHALL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY. BERM SHALL BE PERMITTED. PERIODIC INSPECTION AND MAINTENANCE SHALL BE PROVIDED AS NEEDED.
3. STABILIZED CONSTRUCTION EXIT SHALL BE REMOVED PRIOR TO FINAL FINISH MATERIALS BEING INSTALLED.

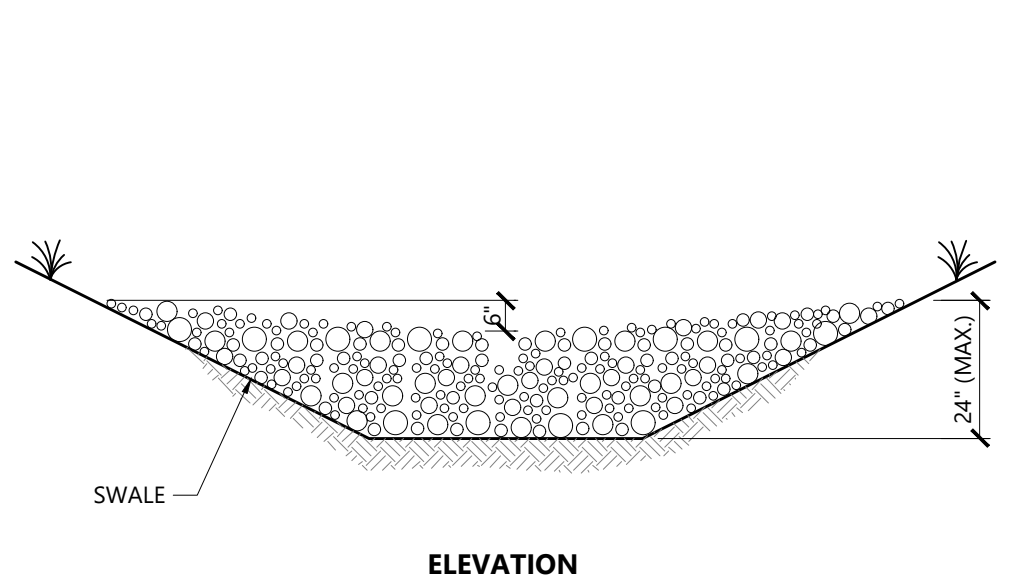
**Stabilized Construction Exit** 1/16  
N.T.S. Source: VHB LD\_682



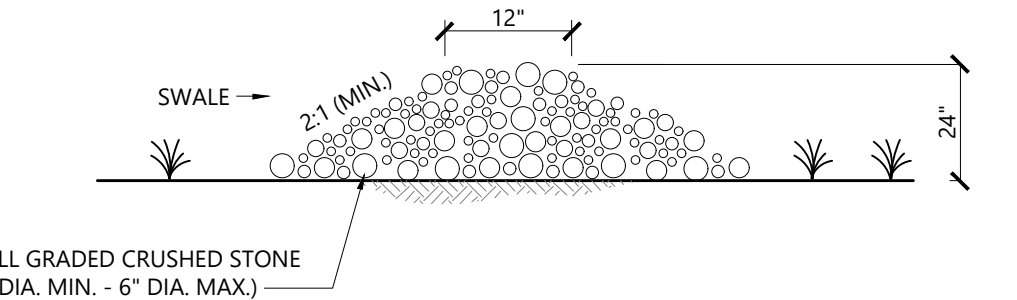
**NOTES**

1. BEGIN AT THE TOP OF BLANKET INSTALLATION AREA BY ANCHORING BLANKET IN A 6" DEEP TRENCH BACKFILL AND COMPACT TRENCH AFTER STAPLING.
2. ROLL THE BLANKET DOWN THE SWALE IN THE DIRECTION OF THE WATER FLOW.
3. THE EDGES OF BLANKETS MUST BE STAPLED WITH APPROX. 4 INCH OVERLAP WHERE 2 OR MORE STRIP WIDTHS ARE REQUIRED.
4. WHEN BLANKETS MUST BE SPICED DOWN THE SWALE, PLACE UPPER BLANKET END OVER LOWER END WITH 6 INCH (MIN.) OVERLAP AND STAPLE BOTH TOGETHER.
5. METHOD OF INSTALLATION SHALL BE AS PER MANUFACTURER'S RECOMMENDATIONS.
6. EROSION CONTROL BLANKETS SHALL BE USED IN ALL AREAS WHERE SLOPES EXCEED 3:1.

**Erosion Control Blanket Slope Installation** 1/16  
N.T.S. Source: VHB LD\_680



**ELEVATION**



**CROSS-SECTION**

**NOTES**

1. TOP OF DOWNGRADIENT CHECKDAM AND BOTTOM OF UPGRADIENT CHECKDAM TO BE SET AT THE SAME ELEVATION.
2. STONE CHECKDAMS MAY BE REMOVED WHEN 90% OF THE VEGETATIVE COVER IS ESTABLISHED.

**Temporary Stone Checkdam** 1/16  
N.T.S. Source: VHB

**Sugarloaf Mtn Corp  
West Mountain  
Expansion**

5092 Access Road  
Carrabassett Valley, ME 04947

No. Revision Date Appr.

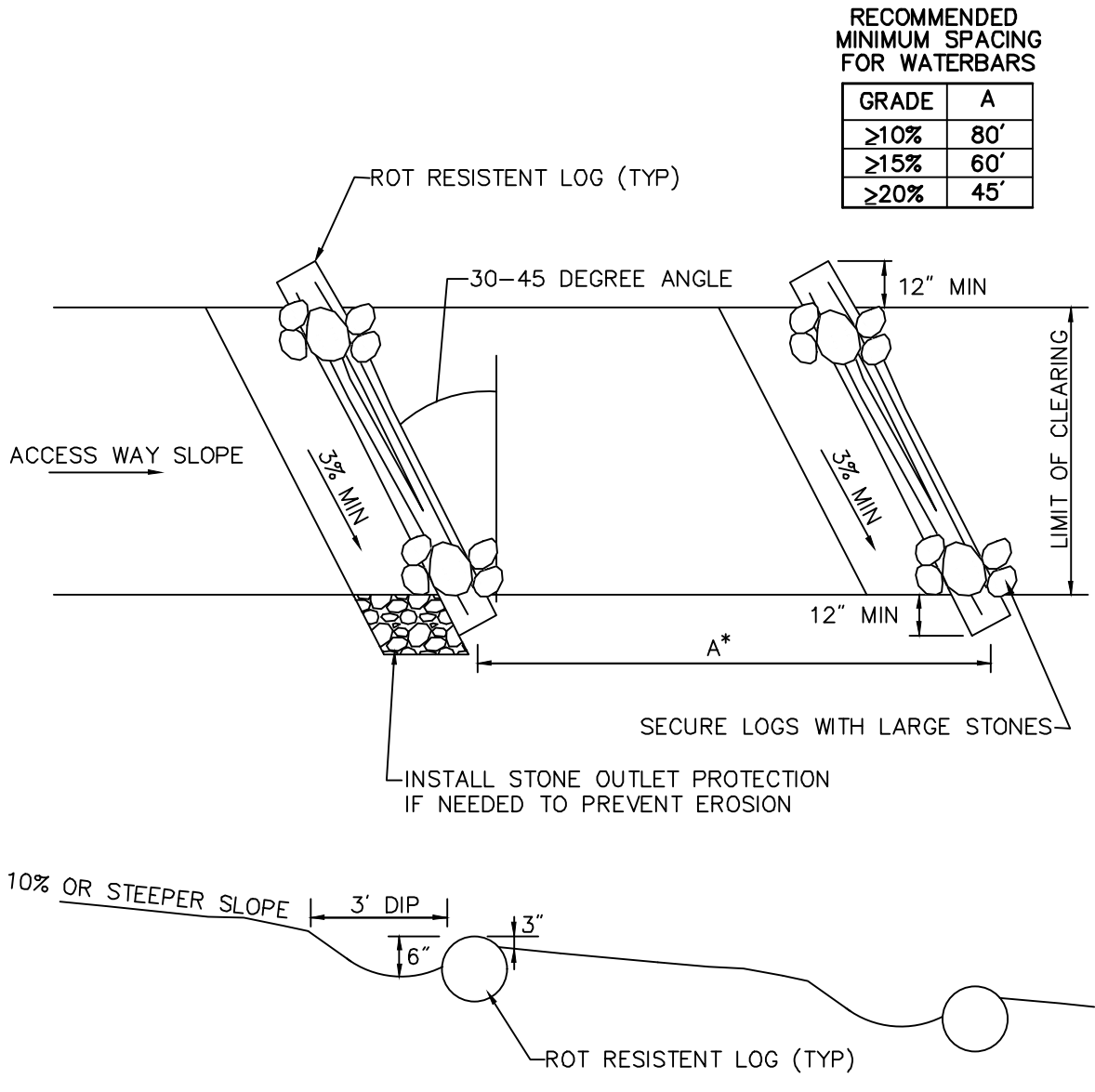
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Issued for: Date:

Review September 23, 2021

Not For Construction  
Drawing Title:  
**Erosion Prevention and  
Sediment Control Details**

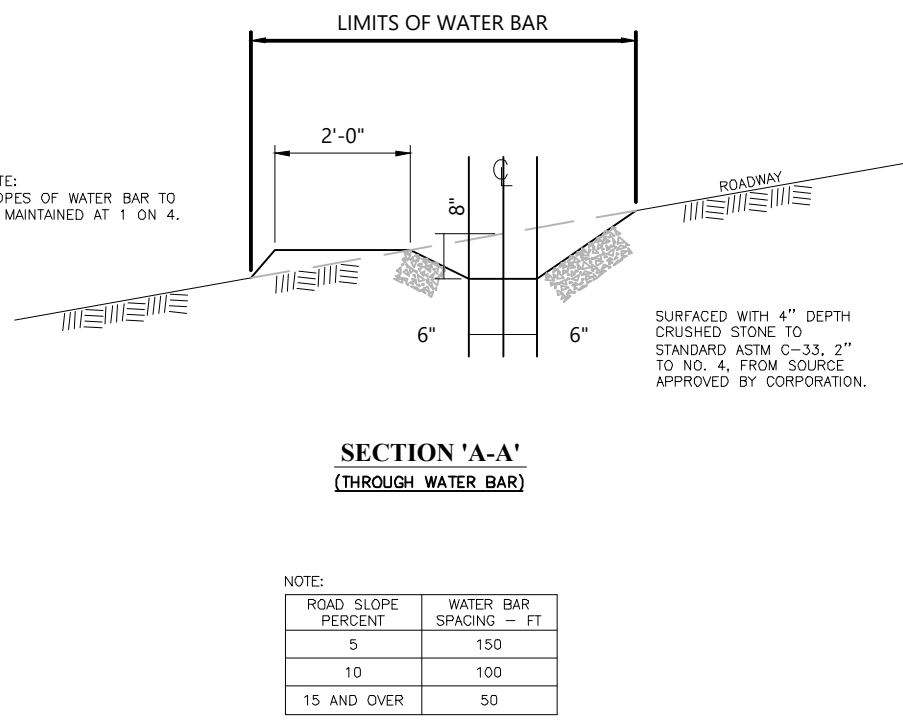
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Sheet # of 58  
Project Number  
55310.01





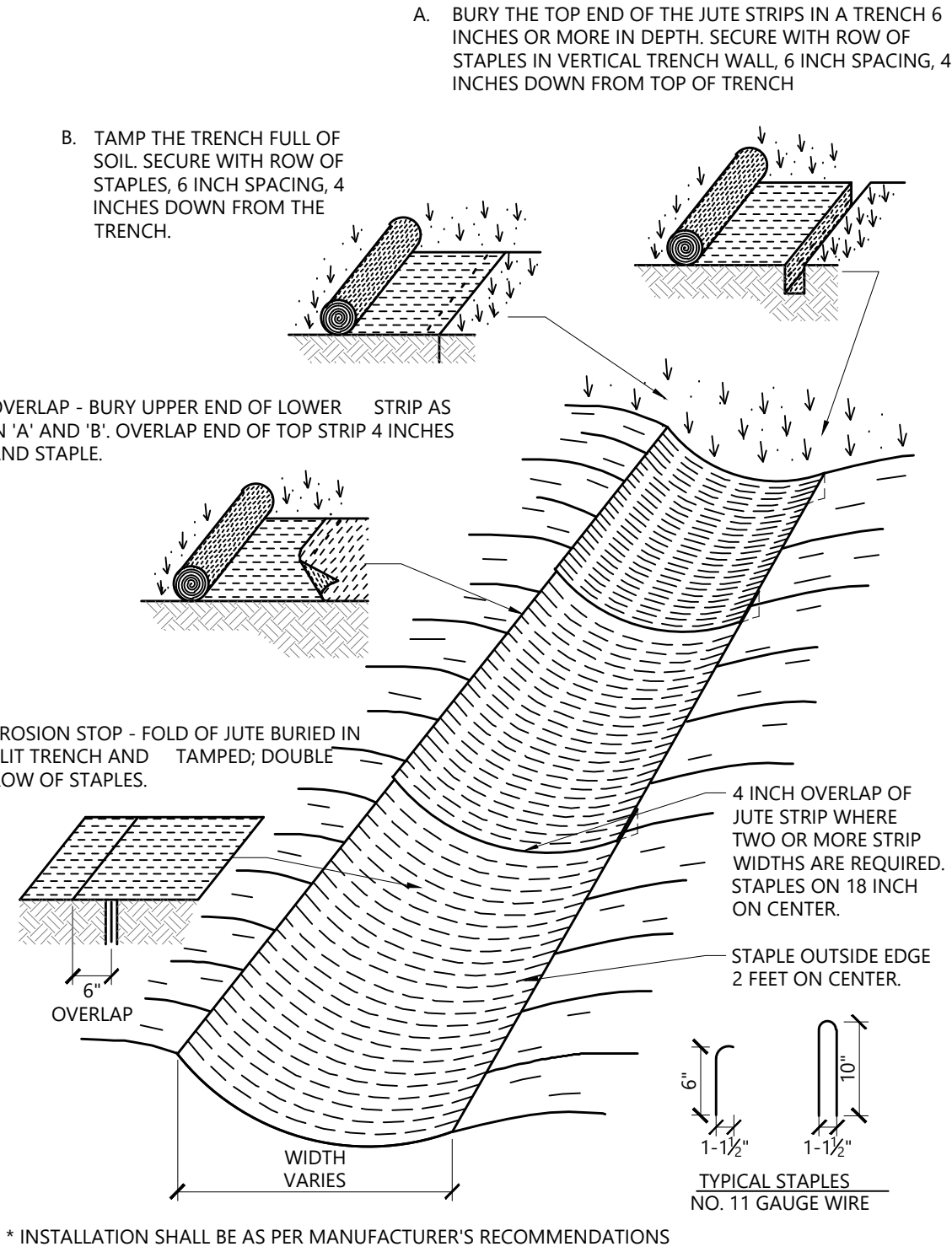
2. WATERBARS SHALL BE CONSTRUCTED WITH 10" DIAMETER MINIMUM PEELLED LOGS, HELD IN PLACE WITH LARGE STONES. APPROPRIATE SPECIES INCLUDE SPRUCE, HEMLOCK, BEECH, AND OAK.
3. CONTRACTOR TO OBSERVE THE CLEARINGS DURING A RAINSTORM TO DETERMINE IF ADDITIONAL WATERBARS OR ADJUSTMENTS TO WATERBARS ARE NEEDED.
4. WATERBAR DESIGN AND SPACING PROVIDED FOR GUIDANCE TO CONTROL EROSION ALONG CROSS-COUNTRY CLEARINGS. THE CONTRACTOR SHALL DETERMINE IF OTHER APPROPRIATE MEASURES ARE REQUIRED TO CONTROL RUNOFF AND EROSION IN CLEARING AREAS.
5. FOR WIDER LIMITS OF CLEARING MULTIPLE LOG LENGTHS MAY BE REQUIRED. ANCHOR ALL LOG ENDS WITH LARGE STONES AS SHOWN.

Waterbars - For Cross-Country Utility Clearings ER-03  
N.T.S. Source: VHB

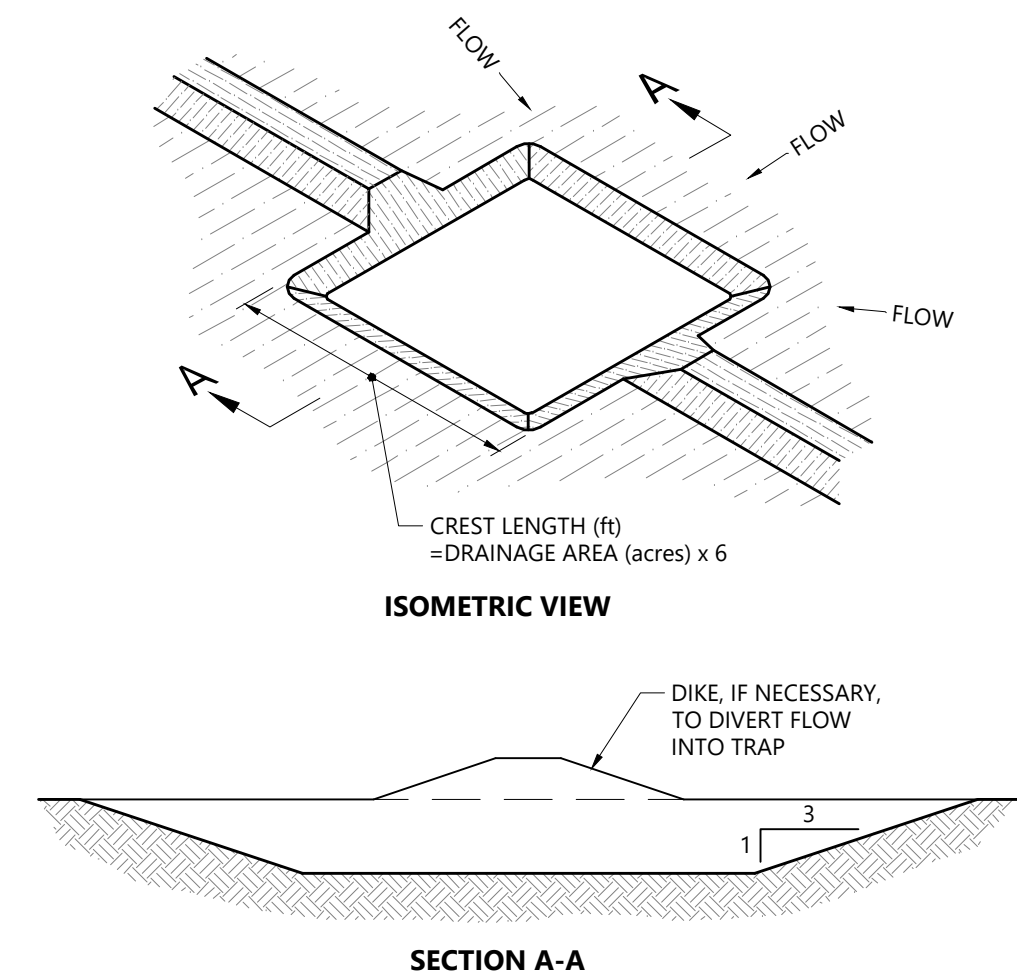


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5. FOR WIDER LIMITS OF CLEARING MULTIPLE LOG LENGTHS MAY BE REQUIRED. ANCHOR ALL LOG ENDS WITH LARGE STONES AS SHOWN.

Typical Water Bar Detail ER-04  
N.T.S. Source: VHB

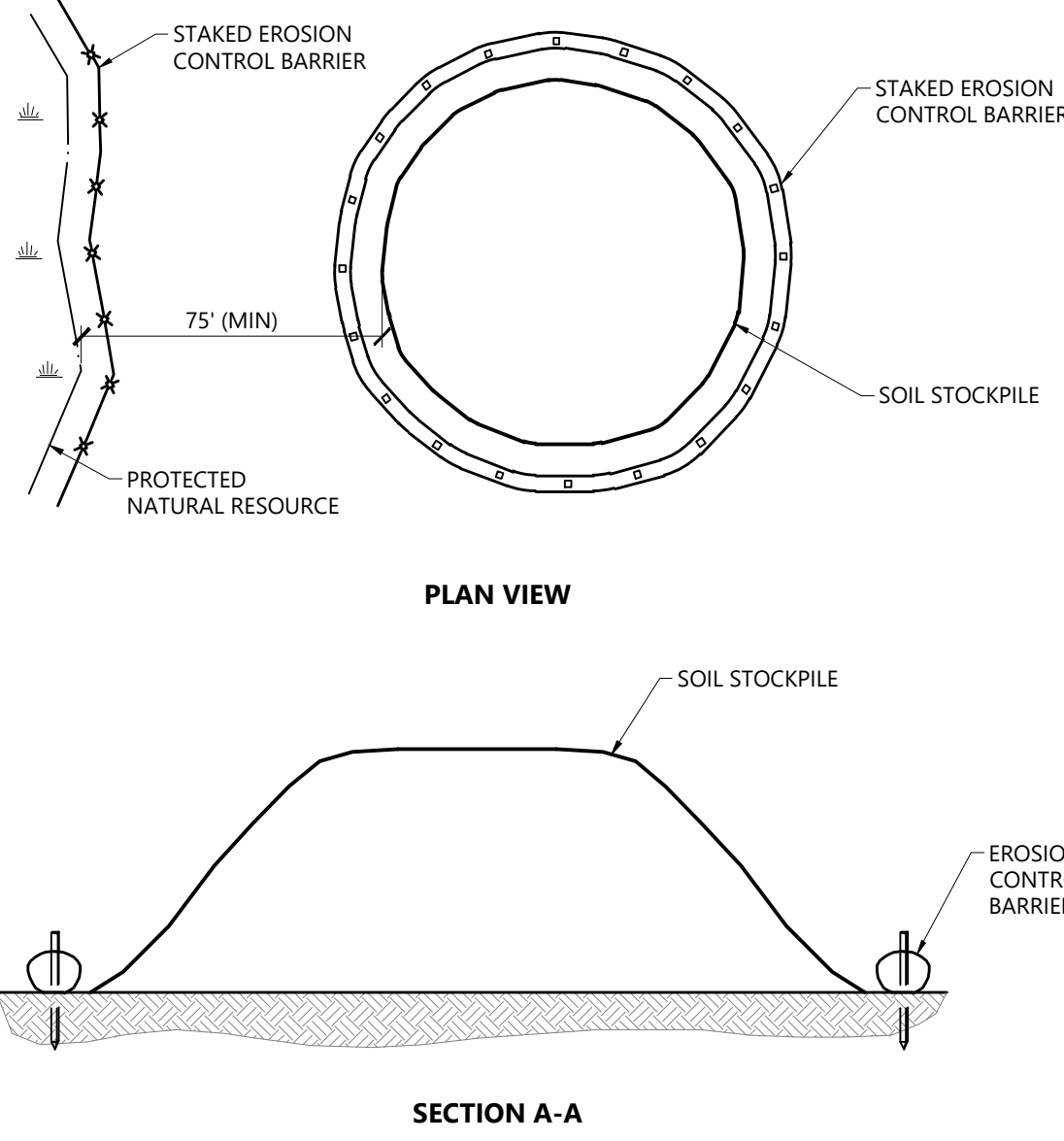


Erosion Control Blanket Swale Installation 1/16  
N.T.S. Source: VHB



2. THE MAXIMUM CONTRIBUTING DRAINAGE AREA TO THE TRAP SHALL BE LESS THAN 5 ACRES.
3. THE MINIMUM VOLUME OF THE TRAP SHALL BE 3,600 CUBIC FEET OF STORAGE FOR EACH ACRE OF DRAINAGE AREA.
4. THE SIDE SLOPES OF THE TRAP SHALL BE 3:1 OR FLATTER, AND SHALL BE STABILIZED IMMEDIATELY AFTER THEIR CONSTRUCTION.
5. THE OUTLET OF THE TRAP SHALL BE A MINIMUM OF ONE FOOT BELOW THE CREST OF THE TRAP AND SHALL DISCHARGE TO A STABILIZED AREA.
6. THE TRAP SHALL BE CLEANED WHEN 50 PERCENT OF THE ORIGINAL VOLUME IS FILLED.
7. THE MATERIALS REMOVED FROM THE TRAP SHALL BE PROPERLY DISPOSED OF AND STABILIZED.
8. TEMPORARY SEDIMENT TRAPS SHALL BE PLACED A MINIMUM OF 75 FEET AWAY FROM PROTECTED NATURAL RESOURCES. ENSURE DOWN GRADIENT SLOPE IS WELL VEGETATED.

Temporary Sediment Trap  
N.T.S. Source: VHB



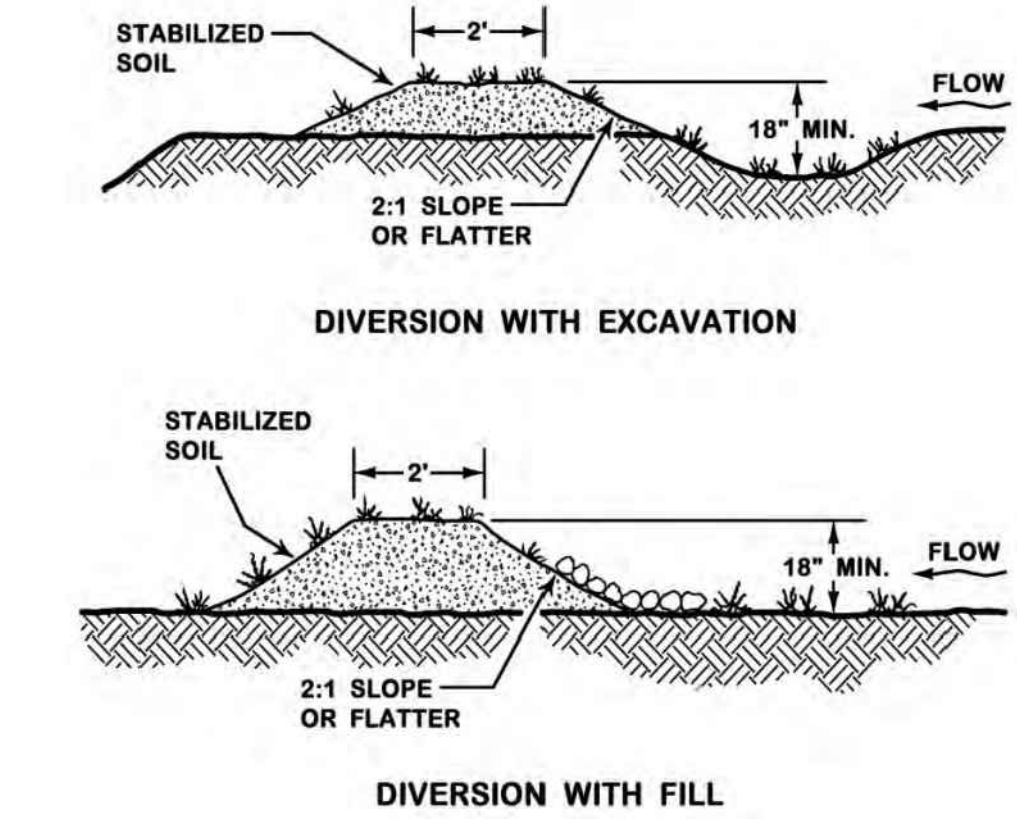
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Soil Stockpile Sediment Control  
N.T.S. Source: VHB

MULCH MATERIAL AND APPLICATION				
MULCH MATERIAL	QUALITY STANDARDS	PER 1,000 SQ.-FT.	PER ACRE	DEPTH OF APPLICATION
WOOD CHIPS OR SHAVINGS	AIR DRIED, FREE OF OBJECTIONABLE MATERIAL	500 - 900 LBS	10 - 20 TONS	2-4" **
WOOD FIBER CELLULOSE (PARTIALLY DIGESTED WOOD FIBERS)	MADE FROM NATURAL WOOD USUALLY WITH GREEN DYE AND DISPERSING AGENT	50 LBS	2,000 LBS	1/4"
GRAVEL, CRUSHED STONE OR SLAG	WASHED, SIZE 2B OR 3A - 1 1/2"	9 CY	405 CY	3"
HAY OR STRAW	AIR-DRIED, FREE OF UNDESIRABLE SEEDS AND COARSE MATERIALS	90 - 100 LBS, 2-3 BALES	2 TONS (100-120 BALES)	COVER ABOUT 80% SURFACE
COMPOST	UP TO 3" PIECES, MODERATELY TO HIGHLY STABLE	3 - 9 CY	3 - 9 CY	1-3"
Erosion Control Mix	WELL-GRADED MIXTURE OF PARTICLE SIZES. ORGANIC 80-100% DRY WEIGHT. PARTICLE SIZE SHALL PASS # 6" SCREEN (100%)	**Slopes 3(H):1(Vert.) = 2 inch depth plus additional 1/2 inch depth per 20 ft. of slope up to 100 ft. ***Slopes between 3(H):1(Vert.) and 2(H):1(Vert.) = 4 inch depth plus additional 1/2 inch per 20 ft. of slope up to 100 ft. ***Slopes steeper than 2(H):1(Vert.) applicability to specific site and mulch depth to be reviewed and approved prior to use by OPSC or EPSC Specialist		

1. APPLY TACKIFIER AS NEEDED TO MINIMIZE POTENTIAL FOR MULCH TO BLOW AWAY.
2. MULCH MUST NOT CONTAIN INVASIVE PLANT SPECIES. (SEEDS OR SEEDLINGS)
3. TACKIFIER MAY BE WATER, NETTING, OR SIMILAR.

Mulch Table EV-08  
N.T.S. Source: VHB



2. THE MAXIMUM CONTRIBUTING DRAINAGE AREA TO THE TRAP SHALL BE LESS THAN 5 ACRES.
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Runoff Diversion  
N.T.S. Source: Maine DEP Erosion and Sediment Control BMP Manual

## Sugarloaf Mtn Corp West Mountain Expansion

5092 Access Road  
Carrabassett Valley, ME 04947

No.	Revision	Date	App'd.

Not For Construction

Erosion Prevention and Sediment Control Details



