

# Town of Mt. Crested Butte

# Gothic Recreation Path & Babbling Brook Ditch Improvements



### Vicinity Map

## Scope of Work

Reconfigure existing recreation path to improve safety and drainage. The existing swale will be replaced with a culvert to convey and improve stormwater drainage. Project involves the removal of bridges, RCP & ADS culvert installation, and relocating and replacing the concrete path away from Gothic Road.



103 W. Tomichi Ave., Suite A  
Gunnison, CO 81230  
970.641.5355  
[www.sgm-inc.com](http://www.sgm-inc.com)

## Project Engineer

Gerald E. Burgess, P.E. 38250

Town of Mt. Crested Butte

911 Gothic Road  
Mt Crested Butte, CO 81225  
(970) 349-6632

## Project Contacts

Jeffrey Smith	Capital Projects Manager	(970)349-6632 Ext. 108
Bobby Block	Public Works Superintendent	(970)349-6632
Mark Gayeski	Design Engineer, SGM	(970)707-8156
Jerry Burgess	Senior Engineer, SGM	(970)707-8152

## Bid Set

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UNCC 1-800-922-1987



Town of Mt. Crested Butte  
Gothic Recreation Path & Babbling  
Brook Ditch Improvements

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Cover

Dwg No.

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Of: 13



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GENERAL REQUIREMENTS

- ALL WORK SHALL BE DONE TO THE HORIZONTAL AND VERTICAL INFORMATION SHOWN ON THE PLANS. NO FIELD CHANGES SHALL BE MADE WITHOUT PRIOR WRITTEN APPROVAL OF THE ENGINEER.
- THE DESIGN IS BASED ON THE BEST AVAILABLE INFORMATION AT THE TIME OF DESIGN, THIS INCLUDES BUT IS NOT LIMITED TO SITE CONDITIONS, FEATURES AND STRUCTURES, AND TOPOGRAPHICAL INFORMATION. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE FEATURES SHOWN. THE CONTRACTOR SHALL REVIEW AND VERIFY EXISTING PHYSICAL FEATURES AND ELEVATIONS OF THE CONDITIONS TO BE ENCOUNTERED DURING CONSTRUCTION.
- ANY DISCREPANCY WITHIN THESE PLANS SHOULD BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER.
- LIMITS OF CONSTRUCTION SHALL BE AS SHOWN.
- THE CONTRACTOR SHALL LIMIT CONSTRUCTION ACTIVITIES TO THOSE AREAS WITHIN THE LIMITS OF DISTURBANCE AS SHOWN ON THE PLANS. ANY DISTURBANCE BEYOND THESE LIMITS SHALL BE RESTORED TO ORIGINAL CONDITION BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE. CONSTRUCTION ACTIVITIES INCLUDE THE PARKING OF VEHICLES OR EQUIPMENT, DISPOSAL OF LITTER, AND ANY OTHER ACTION WHICH WOULD ALTER EXISTING CONDITIONS.
- THE ENGINEER AND OWNER SHALL BE NOTIFIED AT LEAST 48 HOURS PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION.
- ALL PUBLIC AND PRIVATE UTILITY OWNERS SHALL BE NOTIFIED AT LEAST 48 HOURS (OR AS REQUIRED BY UTILITY COMPANIES) PRIOR TO COMMENCEMENT OF WORK ADJACENT TO THE UTILITY.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO TAKE A SUFFICIENT NUMBER OF PRE-CONSTRUCTION PHOTOGRAPHS/VIDEOS TO RESOLVE ANY DISPUTES, WHICH MAY ARISE REGARDING THE CONDITIONS PRIOR TO AND SUBSEQUENT TO CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE COPIES OF THE PRE-CONSTRUCTION PHOTOGRAPHS/VIDEOS TO THE ENGINEER PRIOR TO THE START OF WORK. THE CONTRACTOR SHALL IDENTIFY ANY APPARENT POTENTIAL PROBLEMS AT THAT TIME.
- PROGRESS AND RECORD PHOTOGRAPHS/VIDEOS SHALL BE PROVIDED BY THE CONTRACTOR TO RESOLVE DISPUTES AND TO DOCUMENT THE WORK PERFORMED AS A SUPPLEMENT TO THE RECORD DRAWINGS. IN GENERAL, ANY PHOTOGRAPHS/VIDEOS SHOULD BE SUFFICIENT TO SHOW THAT ALL WORK WAS PROPERLY COMPLETED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.
- SUBMITTALS SHALL BE PROVIDED FOR ALL MATERIALS TO BE INCORPORATED INTO THE PROJECT. SHOP DRAWINGS SHALL BE PROVIDED FOR ALL ITEMS HAVING DIMENSIONAL REQUIREMENTS. MATERIALS SUBMITTALS AND SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW. THE ENGINEER'S REVIEW SHALL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY FOR ACCURACY, PROPER FIT OR PROPER FUNCTIONING AND PERFORMANCE OF THE WORK.
- THE CONTRACTOR SHALL PROVIDE ALL NECESSARY TEMPORARY FACILITIES FOR THEIR OWN CONVENIENCE OR TO MEET LOCAL, STATE OR FEDERAL REQUIREMENTS, INCLUDING, BUT NOT LIMITED TO, POTABLE WATER, SANITARY WASTE FACILITIES, POWER, TELEPHONE, INTERNET, ETC. SANITARY FACILITIES SHALL BE LOCATED ON SITE AND SHALL BE FULLY OPERATIONAL BEFORE CONSTRUCTION CAN BEGIN. SANITARY FACILITIES SHALL BE FIRMLY SECURED AGAINST OVERTURNING AND SHALL BE PLACED AWAY FROM FLOW LINES OF STREETS, SWALES, RAIN GARDENS AND AWAY FROM INLETS. THE COST OF THESE FACILITIES WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE WORK.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR DAILY CLEANING OF THE JOB SITE DURING AND AFTER CONSTRUCTION. A CONTINUING EFFORT SHALL BE MADE THROUGH THE DURATION OF THE CONTRACT TO KEEP ALL AREAS CLEAN AND FREE OF ALL RUBBISH, REMOVED VEGETATION, CONSTRUCTION WASTE, EMPLOYEE WASTE, AND OTHER OBJECTIONABLE MATERIALS GENERATED FROM THE PROJECT. WEEDS SHALL BE REMOVED IN DISTURBED AREAS PRIOR TO THEIR PRODUCING SEED AND PRIOR TO FINISHED GRADING AND LANDSCAPING INSTALLATION.
- FINAL CLEAN-UP MUST BE APPROVED AND ACCEPTED BY THE OWNER BEFORE THE CONTRACT MAY BE CONSIDERED COMPLETE.
- THE CONTRACTOR SHALL MAINTAIN TWO FULL SETS OF CONTRACT DRAWINGS MARKED UP TO INDICATE THE AS-BUILT CONDITIONS. THE DRAWINGS SHALL BE PROVIDED TO THE OWNER AND THE ENGINEER UPON COMPLETION OF THE WORK. WHERE PRACTICAL, THE CONTRACTOR IS TO PROVIDE AT LEAST TWO TIES FROM PHYSICAL MONUMENTS TO ALL FITTINGS, VALVES, MANHOLES, AND THE END OF ALL SERVICE LINES.

SURVEY NOTES

- SOURCE OF MAPPING: EXISTING FIELD CONDITIONS WERE GENERATED BY A SURVEY PERFORMED BY SGM, GUNNISON, CO.
- PROPERTY LINES, MONUMENTS, BENCHMARKS, SURVEY CONTROL, AND ADDITIONAL HISTORIC SURVEY INFORMATION CANNOT BE REMOVED FOR CONSTRUCTION. DISTURBED SURVEY ITEMS ARE THE RESPONSIBILITY OF THE CONTRACTOR AND MUST BE RESTORED BY A STATE OF COLORADO LICENSED LAND SURVEYOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION STAKING OF BOTH HORIZONTAL AND VERTICAL LAYOUT ON THIS PROJECT. THE CONTRACTOR SHALL COORDINATE WITH THE PROJECT ENGINEER FOR INTERPRETATION AND INFORMATION IN STAKING OF THE PROJECT FOR CONSTRUCTION.
- LOCATIONS OF CLEANOUTS, LIGHTS, SIGNAGE, JUNCTION BOXES, AND OTHER SIGNIFICANT SITE FEATURES TO BE STAKED FOR ENGINEER AND OWNER APPROVAL PRIOR TO WORK. CLEANOUTS, JUNCTION BOXES, AND ADJACENT GRADES TO BE RAISED ONE-HALF INCH AT ASPHALT/CONCRETE (OR 1"AT LANDSCAPING) TO PROVIDE POSITIVE DRAINAGE AWAY FROM FEATURES.

PERMITS

- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS TO COMPLETE WORK AND SHALL COMPLY WITH THE PERMIT CONDITIONS.

ACCESS AND PROTECTION REQUIREMENTS

- PROPERTY OWNER ACCESS SHALL BE MAINTAINED AT ALL TIMES BY THE CONTRACTOR.
- THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN FOR APPROVAL BY THE TOWN AND ENGINEER. TRAFFIC CONTROL PLAN SHALL INCLUDE METHODS OF HANDLING TRAFFIC (MHT'S) APPLICABLE TO THE WORK.
- ALL CONSTRUCTION TRAFFIC CONTROL SIGNAGE AND PAVEMENT MARKINGS SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION.
- THE CONTRACTOR SHALL PROTECT THE EXISTING DRAINAGE STRUCTURES AND REROUTE ANY RUNOFF AS NECESSARY DURING CONSTRUCTION ACTIVITIES TO PREVENT EROSION AND DAMAGE.
- ALL EXISTING UTILITIES, EITHER UNDERGROUND OR OVERHEAD, SHALL BE MAINTAINED IN CONTINUOUS SERVICE THROUGHOUT THE ENTIRE CONSTRUCTION PERIOD. THE CONTRACTOR SHALL BE RESPONSIBLE AND LIABLE FOR ANY DAMAGE TO, OR INTERRUPTION OF SERVICES CAUSED BY THE CONSTRUCTION.

TEMPORARY EROSION CONTROLS MEASURES

- THE CONTRACTOR SHALL IMPLEMENT EROSION CONTROL MEASURES (A.K.A. BEST MANAGEMENT PRACTICES OR BMPs), TO CONTROL EROSION AND SEDIMENTATION DURING CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR INSTALLATION AND MAINTENANCE OF ALL TEMPORARY EROSION CONTROL MEASURES.
- THE CONTRACTOR SHALL INSTALL EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO ANY SITE GRADING OR EXCAVATION ACTIVITIES. CONTRACTOR SHALL ALSO IMPLEMENT APPROPRIATE CONTROL MEASURES FOR PROTECTION OF WETLANDS, SENSITIVE HABITAT, AND EXISTING VEGETATION FROM GROUND DISTURBANCE AND OTHER POLLUTANT SOURCES BEFORE CONSTRUCTION BEGINS.
- THE CONTRACTOR SHALL INSPECT THE CONSTRUCTION SITE, INCLUDING ALL BMP'S, STORAGE CONTAINERS, AND CONSTRUCTION EQUIPMENT, AT LEAST EVERY 7 CALENDAR DAYS AND WITHIN 24 HOURS AFTER A PRECIPITATION EVENT OR SNOW MELT THAT MAY CAUSE SURFACE EROSION.
- CONTROL MEASURES SHALL BE MAINTAINED, INCLUDING REMOVAL OF COLLECTED SEDIMENT WHEN SILT DEPTH IS 50 PERCENT OR MORE OF THE EFFECTIVE HEIGHT OF THE EROSION CONTROL DEVICE. DAMAGES RESULTING FROM FAILURE TO MAINTAIN CONTROL MEASURES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- ERODIBLE STOCKPILES (INCLUDING TOPSOIL) SHALL BE CONTAINED WITH ACCEPTABLE CONTROL MEASURES AT THE TOE OF THE STOCKPILE THROUGHOUT CONSTRUCTION. STOCKPILES THAT ARE INACTIVE FOR MORE THAN 14 DAYS SHALL BE STABILIZED WITH HAY OR STRAW MULCH WITH TACKIFIER, BONDED FIBER MATRIX, HYDRAULIC MULCH WITH TACKIFIER OR SPRAY-ON MULCH BLANKET.

- A CONSTRUCTED CONCRETE WASHOUT OR PREFABRICATED CONCRETE WASHOUT STRUCTURE THAT WILL CONTAIN WASHOUT FROM CONCRETE PLACEMENT, CONSTRUCTION EQUIPMENT CLEANING OPERATIONS AND RESIDUE FROM CUTTING, CORING, GRINDING, AND HYDRO-DEMOLITION MUST BE PROVIDED AND MAINTAINED.
- ALL DRAINAGE STRUCTURES ARE TO BE PROTECTED BY EROSION AND SEDIMENT CONTROL MEASURES.

CONCRETE CONSTRUCTION

- CONCRETE FOR SIDEWALKS & VALLEY PANS SHALL BE CDOT CLASS D. APPROVED MACRO-FIBER REINFORCEMENT IS REQUIRED AS DIRECTED BY THE ENGINEER.
- OWNER TO APPROVE ALL CONCRETE FINISHING AND JOINT PATTERNS PRIOR TO CONSTRUCTION. SUBMIT JOINT LAYOUT PLAN TO OWNER FOR APPROVAL PRIOR TO CONSTRUCTION.
- EXPANSION JOINTS SHALL BE INSTALLED WHEN ABUTTING EXISTING CONCRETE OR FIXED STRUCTURE. EXPANSION JOINT MATERIAL SHALL BE 1/2 IN. THICK AND SHALL EXTEND THE FULL DEPTH OF CONTACT SURFACE.
- CONTRACTOR SHALL NOTIFY ENGINEER PRIOR TO PLACEMENT OF FLATWORK OF SITE CONDITIONS OR DISCREPANCIES WHICH PREVENT REQUIRED GRADES FROM BEING ACHIEVED.
- THE EXISTING AND PROPOSED ELEVATIONS OF FLATWORK, SIDEWALKS, CURBS, THRESHOLDS, PAVING, ETC. AS SHOWN IN THE PLANS MAY BE BASED ON EXTRAPOLATION OF FIELD SURVEY DATA, EXISTING CONDITIONS, AND DATA PROVIDED BY OTHERS. AT CRITICAL AREAS AND SITE FEATURES, CONTRACTOR SHALL HAVE FORMWORK INSPECTED AND APPROVED BY OWNER, OWNER'S REPRESENTATIVE, OR ENGINEER PRIOR TO PLACING CONCRETE. MINOR ADJUSTMENTS, AS APPROVED, TO PROPOSED GRADES, INVERTS, ETC. MAY BE REQUIRED TO PREVENT PONDING OR SLOPES NOT IN CONFORMANCE WITH THE JURISDICTIONAL STANDARDS. ALL FLATWORK MUST PREVENT PONDING AND PROVIDE POSITIVE DRAINAGE AWAY FROM EXISTING AND PROPOSED BUILDINGS, WALLS, ROOF DRAIN OUTFALLS, ACROSS DRIVES AND WALKS TOWARDS THE PROPOSED INTENDED DRAINAGE FEATURES AND CONVEYANCES.

EARTHWORK

- ANY OPEN EXCAVATION LEFT UNATTENDED SHALL BE BARRICADED OR FENCED OFF BY THE CONTRACTOR.
- ONSITE NATIVE MATERIAL CAN BE USED FOR STRUCTURAL BACKFILL IF APPROVED BY THE GEOTECHNICAL, CIVIL AND STRUCTURAL ENGINEERS, AS APPLICABLE. MATERIAL SHALL BE SCREENED, PLACED IN LIFTS AND COMPACTED PER GEOTECHNICAL ENGINEER'S RECOMMENDATION.
- THE CONTRACTOR SHALL CERTIFY THAT ALL AGGREGATES USED ON THIS PROJECT ARE FREE FROM HAZARDOUS COMPONENTS IN EXCESS OF THE THRESHOLD CONCENTRATIONS ESTABLISHED BY THE E.P.A.
- ANY MATERIAL NOT SUITABLE FOR EMBANKMENT OR BACKFILL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF BY THE CONTRACTOR AS PART OF THE WORK.
- ALL MATERIALS REQUIRING COMPACTION MUST MEET APPLICABLE CDOT EMBANKMENT OR STRUCTURAL BACKFILL STANDARDS.
- PLACEMENT OF AGGREGATE BASE COURSE, PAVING, OR CONCRETE PATH SHALL NOT BEGIN UNTIL THE ENGINEER HAS APPROVED THE SUBGRADE. EXISTING SUBGRADE MATERIAL SHALL BE SCARIFIED TO A DEPTH OF 12 INCHES, MOISTURE CONDITIONED AND RECOMPACTED. THE SUBGRADE SHALL BE PROOF ROLLED AND APPROVED BY THE ENGINEER PRIOR TO THE PLACEMENT OF ANY SUBSEQUENT STRUCTURAL LAYERS. AREAS THAT DEFORM UNDER HEAVY WHEEL LOADS AS DETERMINED BY THE ENGINEER ARE NOT STABLE AND SHALL BE REMOVED AND REPLACED TO ACHIEVE A STABLE SUBGRADE. THE ENGINEER SHALL APPROVE THE TYPE AND WEIGHT OF THE VEHICLE TO BE USED FOR THE PROOF ROLL. THE CONTRACTOR SHALL PROVIDE ALL EQUIPMENT AND LABOR NECESSARY FOR THE PROOF ROLL. PROOF ROLLING WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE WORK.
- WATER FOR COMPACTION WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE WORK.
- MOISTURE DENSITY CONTROL WILL BE REQUIRED FOR FULL DEPTH OF EMBANKMENTS AND AGGREGATE BASE COURSE IN PAVED AREAS.

DEMOLITION AND REMOVALS

- ALL SIGNS REMOVED FROM THE RIGHT-OF-WAY DURING CONSTRUCTION WILL BE STORED ONSITE OR RETURNED TO THE JURISDICTION, AS DIRECTED. CONTRACTOR TO RECORD PHOTOS OF THE AREA AND REINSTALL SIGNS TO THEIR ORIGINAL LOCATION.
- SAWCUT ALL ASPHALT AND CONCRETE PAVEMENT TO BE REMOVED. FINAL LIMITS OF REQUIRED SAWCUTTING AND PATCHING MAY VARY FROM LIMITS SHOWN ON PLANS. CONTRACTOR TO PROVIDE SAWCUT AND PATCH WORK TO ACHIEVE POSITIVE DRAINAGE AND A SMOOTH TRANSITION TO EXISTING ASPHALT WITHIN SLOPES ACCEPTABLE TO THE ENGINEER AND WITHIN MUNICIPAL STANDARDS. CONTRACTOR SHALL PROVIDE ADDITIONAL SAWCUTTING AND PATCHING AT UTILITY WORK, CONNECTION POINTS TO EXISTING PAVEMENT AND FEATURES, ETC. THAT MAY NOT BE DELINEATED ON PLANS.
- ALL EXCESS MATERIALS GENERATED FROM THE SITE ARE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE DISPOSED OF PROPERLY.

REVEGETATION

- DISTURBED AREAS SHALL BE REVEGETATED.
- DISTURBED AREAS SHALL BE FINE GRADED AND RAKED TO REMOVE ALL ROCKS OVER THREE INCHES IN DIAMETER. PLACE TOPSOIL TO A DEPTH OF FOUR INCHES ON ALL DISTURBED AREAS, UP TO EDGE OF NEW CONCRETE.
- SOIL RETENTION BLANKETS SHALL BE INSTALLED ON SLOPES STEEPER THAN 2.5H:1V.

SHALLOW UTILITY NOTES

- EXISTING UTILITY LOCATIONS ARE A COMBINATION OF SURVEYED FIELD LOCATIONS, OBSERVATIONS, AND EXISTING MAPPING. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES PRIOR TO ANY GROUND DISTURBANCE.
- ALL WORK TO BE DONE IN STRICT COMPLIANCE WITH RESPECTIVE UTILITY COMPANY REQUIREMENTS.
- A CONDUIT IS ATTACHED TO THE BRIDGE AND OTHER CONDUITS ARE VISIBLE IN THE EXISTING SWALE AND ARE SHOWN IN THE PLANS. DURING THE WORK THE CONTRACTOR SHALL MOVE AND WORK AROUND THE UTILITIES. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY PROVIDER FOR THE RELOCATION OF ANY UTILITY OR LIGHT POLE.

EXISTING UTILITY NOTES (NON-SUE)

EXISTING UTILITY NOTES – NON "SUE-REQUIRED PROJECT"

- THIS IS NOT A "SUBSURFACE UTILITY ENGINEERING-REQUIRED PROJECT," AS SET FORTH IN THE 8/8/2018 COLORADO STATE LAW. SEE CHECKLIST BELOW FOR ENGINEER'S BASIS FOR THIS DETERMINATION. (NOTE: A PROJECT MUST MEET ALL 4 CONDITIONS)

COLORADO REVISED STATUTES (CRS) 2018 TITLE 9-1.5-102 SUBSURFACE UTILITY ENGINEERING (SUE) REQUIRED PROJECT COMPLIANCE CHECKLIST

1	9-1.5-1 02-6.8.A	PROJECT INVOLVES CONSTRUCTION CONTRACT WITH A PUBLIC ENTITY	X	YES		NO
2	9-1.5-1 02-6.8.B	PROJECT INVOLVES PRIMARILY HORIZONTAL CONSTRUCTION AND DOES NOT INVOLVE PRIMARILY THE CONSTRUCTION OF BUILDINGS	X	YES		NO
3A	9-1.5-1 02-6.8.C .1.A	EXCAVATION FOOTPRINT EXCEEDS 2-FEET DEPTH AND IS A CONTIGUOUS 1,000-SQUARE FEET; OR		YES	X	NO
3B	9-1.5-1 02-6.8.C .1.B	INVOLVES UTILITY BORING		YES	X	NO
4	9-1.5-1 02-6.8.D	PROJECT REQUIRES THE DESIGN SERVICES OF A LICENSED PROFESSIONAL ENGINEER (P.E.)	X	YES		NO
SUMMARY	9-1.5-1 03-2.4	REQUIRED TO MEET OR EXCEED THE ASCE 38 STANDARD AND CO SUE LAW?		YES	X	NO

- EXISTING UTILITIES ARE DEPICTED ACCORDING TO THE BEST AVAILABLE INFORMATION THAT WAS PROVIDED BY THE UTILITY OWNERS AND SURFACE FEATURES AT THE TIME OF THE SURVEY. RELIANCE UPON THIS UTILITY DATA FOR RISK MANAGEMENT PURPOSES DOES NOT RELIEVE THE PROJECT OWNER, CONTRACTOR, OR UTILITY COMPANY FROM FOLLOWING ALL APPLICABLE UTILITY DAMAGE PREVENTION STATUTES, POLICIES, AND/OR PROCEDURES DURING EXCAVATION. PRIOR TO EXCAVATION, THE CONTRACTOR SHALL CONTACT THE UTILITY NOTIFICATION CENTER OF COLORADO (UNCC) AT 811 OR 800-922-1987, TO VERIFY EXISTING UTILITIES AND HAVE LOCATIONS OF UNCC REGISTERED LINES MARKED BY MEMBER COMPANIES.
- MT. CRESTED BUTTE WATER & SANITATION DISTRICT SHALL BE CONTACTED 48-HOURS IN ADVANCE OF EXPOSING OR EXCAVATING A WATER MAIN LINE. ADDITIONALLY, IF THE WATER MAIN LINE IS EXCAVATED, THE BEDDING SHOULD BE REINSTALLED OR ADDED TO CONFORMING WITH ASTM C33 #67 AGGREGATE, IN ACCORDANCE WITH THE DISTRICT'S STANDARDS AND SPECIFICATIONS, SECTION 02221, PARAGRAPH 2.1, C.
- IF IT IS DETERMINED BY THE CONTRACTOR OR TOWN THAT CONSTRUCTION EXCAVATIONS WILL ENCROACH UPON THE WATER MAIN LINE, THE MCBWSD SHALL BE NOTIFIED AND THE CONTRACTOR IS REQUIRED TO POTHOLE FOR THE WATER MAIN TO DETERMINE IT'S EXACT HORIZONTAL AND VERTICAL LOCATION.
- OTHER UTILITIES MAY BE PRESENT WHICH WERE NOT IDENTIFIED IN THIS PLAN SET OR PRIOR TO CONSTRUCTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE DUE-DILIGENCE AND ENACT GOOD PRACTICES WHEN EXCAVATING NEAR POTENTIAL CONFLICT AREAS AND REDUCE POTENTIAL DAMAGE TO UTILITIES AS MUCH AS POSSIBLE.
- SHOULD THE CONTRACTOR ENCOUNTER UNKNOWN AND/OR ABANDONED UTILITIES THE CONTRACTOR SHALL VERIFY WITH THE RESPECTIVE UTILITY OWNER THAT THE UTILITY IS INACTIVE/ABANDONED BEFORE REMOVAL FROM THE WORK AREA
- THE CONTRACTOR SHALL COMPLY WITH COLORADO REVISED STATUTES (CRS) 2018, TITLE 9, ARTICLE 1.5-103 (10), "ALL NEW UNDERGROUND FACILITIES, INCLUDING LATERALS UP TO THE STRUCTURE OR BUILDING BEING SERVED, INSTALLED ON OR AFTER 8/8/2018, MUST BE ELECTRONICALLY LOCATABLE WHEN INSTALLED."

Town of Mt. Crested Butte  
Gothic Recreation Path & Babbling  
Brook Ditch Improvements

Revision	Date	By
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General Notes

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LEGEND

LINETYPES

EXISTING	PROPOSED	DESCRIPTION
		UNDERGROUND TELEPHONE LINE
		LOW PRESSURE GAS LINE
		UNDERGROUND CABLE TELEVISION LINE
		UNDERGROUND ELECTRICAL LINE
		STORM DRAIN LINE
		WATER LINE
		WATER SERVICE LINE
		SANITARY SEWER LINE
		SANITARY SEWER SERVICE LINE
		FIBER OPTIC LINE
		DRAINAGE SWALE FLOWLINE
		SILT FENCE
		CULVERT & FES
		EDGE OF ASPHALT
		EDGE OF CONCRETE
		EDGE OF WATER
		CENTERLINE
		ROCK WALL
		CONTOURS
		RIGHT-OF-WAY
		VEGETATION
		LIMITS OF DISTURBED AREA
		TOP OF CUT
		TOP OF FILL
		EASEMENT

SYMBOLS

EXISTING	PROPOSED	DESCRIPTION
		DECIDUOUS TREE
		CONIFEROUS TREE
		MONUMENT MARKER
		CONTROL POINT
		PEDESTALS (CATV, ELEC, FIBER) (TELE, TRAFFIC, UNKNOWN)
		MANHOLES (DRAINAGE, ELEC, FIBER, IRRIGATION, SANITARY, TELEPHONE, UNKNOWN, WATER)
		VAULTS/HANDHOLES (CATV, ELEC, FIBER, TELE, TRAFFIC, UNKNOWN)
		ELECTRIC TRANSFORMER
		GAS VALVE
		WATER VALVE
		WATER SHUTOFF VALVE
		FIRE HYDRANT
		METERS (GAS, ELECTRIC, WATER)
		CLEAN-OUT
		PVC PIPE
		UTILITY POLE
		GUY WIRE
		SIGN
		BOLLARD
		"T" POST

ABBREVIATIONS

AT	GEOGRAPHICAL INFORMATION SYSTEM	RC	RIBBON CURB
DEGREE	GALLONS PER MINUTE	RCP	REINFORCED CONCRETE PIPE
DIAMETER	GLOBAL POSITIONING SYSTEM	REC	RECREATION
NUMBER	GRAVEL	REF	REFERENCE
AASHTO	HIGH DENSITY POLYETHYLENE	REQ	REQUIRED
AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS	HOT MIXED ASPHALT	REVEG	REVEGETATE
AGGREGATE BASE COURSE	HORIZONTAL	ROW	RIGHT OF WAY
ABUTMENT	HIGH POINT	RP	RADIUS POINT
AMERICANS W/ DISABILITIES ACT	HIGHWAY	RW	RETAINING WALL
ALTERNATE	HYDRANT	SAN	SANITARY
ANGLE POINT	INSIDE DIAMETER	SB	SOUTH BOUND
AMERICAN PUBLIC WORKS ASSOCIATION	INVERT	SCF	SEDIMENT CONTROL FENCE
ASPHALT	INLET PROTECTION	SD	STORM DRAIN
BENCHMARK	JUNCTION BOX	SDR	STANDARD DIMENSION RATIO
BEST MANAGEMENT PRACTICES	LENGTH	SE	SOUTHEAST
BACK OF SIDEWALK	LINEAR FOOT	SECT	SECTION
BEGIN PROJECT, BEGINNING POINT	LOW POINT	SF	SQUARE FEET
BEGIN TRANSITION	LUMP SUM	SHLDR	SHOULDER
CONCRETE BOX CULVERT	LANDSCAPED AREA	SHT	SHEET
COLORADO DEPARTMENT OF TRANSPORTATION	LIGHT POLE	SHTS	SHEETS
COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT	MAT'L	SMH	SANITARY SEWER MANHOLE
CUBIC FEET	MAXIMUM	SOD	GRASS AREA
CUBIC FEET PER SECOND	MT. CRESTED BUTTE WATER & SANITATION DISTRICT	STA	STATION
CAST IN PLACE	MH	STBK	SETBACK
CENTERLINE	MIN	SW	SIDEWALK
CORRUGATED METAL PIPE	MISC	SWL	SWALE
CONNECTION	N	SY	SQUARE YARDS
CONCRETE	N/A	SYM	SYMMETRICAL
CONSTRUCTION	NAT	TAN	TANGENT
CONTINUOUS	NAVD	TCP	TRAFFIC CONTROL PLAN
CORNER	NO	TELE	TELEPHONE
CUBIC	NTP	TEMP	TEMPORARY
CULVERT	NTS	TP	TOP OF PIPE
CUBIC YARD	O/S	TRANS	TRANSITION
DEGREES	OFFSET	TYP	TYPICAL
DIA	OD	UE	UNDERGROUND ELECTRIC LINE
DRAIN	OP	UG	UNDERGROUND GAS LINE
DRAWING	P&P	UT	UNDERGROUND TELEPHONE LINE
EASTING	PC	VP	VALLEY PAN
EACH	POINT OF CURVATURE	VPAN	VALLEY PAN
EXISTING GRADE	PEDESTRIAN	W	WIDE
ELEVATION	PERM	W/	WITH
ELEVATION	PG	X-S	CROSS SLOPE
EDGE OF ASPHALT	PGL	XING	CROSSING
EDGE OF CONCRETE	PI	YD	YARD
EDGE OF GRAVEL	PL		
EDGE OF GRAVEL	PL		
EDGE OF PAVEMENT	PM		
END PROJECT, END POINT	PNT		
ENVIRONMENTAL PROTECTION AGENCY EASEMENT	POL		
ESTIMATE	PROP		
EXISTING	PSF		
EXISTING	PSI		
EXISTING	PT		
FLARED END SECTION	PVC		
FINISHED GRADE	PVMT		
FIRE HYDRANT	Q		
FLOWLINE	QA/QC		
FACE OF WALL	QUANTITY		
FEET PER SECOND	QTY		
FEET	R		
GAS	R-R		
GALLONS	RAD		
GRADE BREAK			

HATCHING

EXISTING	PROPOSED	DESCRIPTION
		ASPHALT
		CONCRETE SURFACING (PLAN VIEW)
		GRAVEL SURFACING
		RIPRAP/RIVER ROCK
		WOOD DECK
		UNDISTURBED SOIL
		RECOMPACTED SOIL
		CONCRETE & STRUCTURE REMOVALS REMOVALS




Town of Mt. Crested Butte  
Gothic Recreation Path & Babbling  
Brook Ditch Improvements

Revision		Date	By:
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Graphic Scale

In Feet: 1" = 20'

Town of Mt. Crested Butte  
Gothic Recreation Path & Babbling  
Brook Ditch Improvements

Job No.	2023-113.015		
Drawn by:	MG		
Print Date:	01.26.2026		
QC:	JB	PE:	JB
File:	GothicRec-2025-Plans		
Title:			

Dwg No.

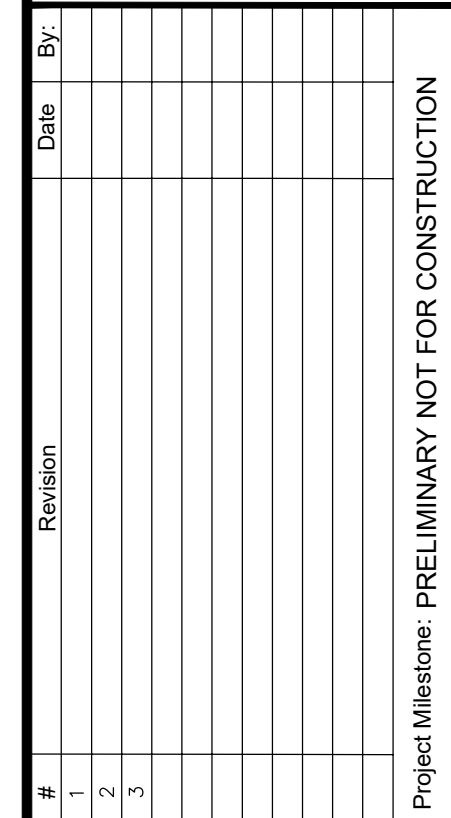








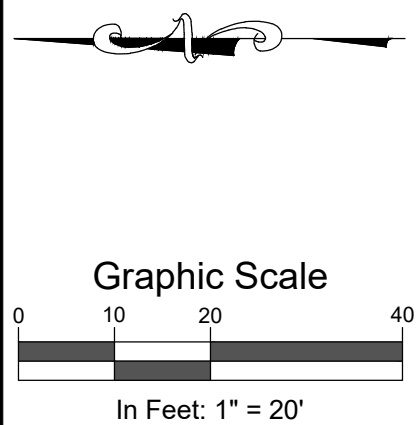
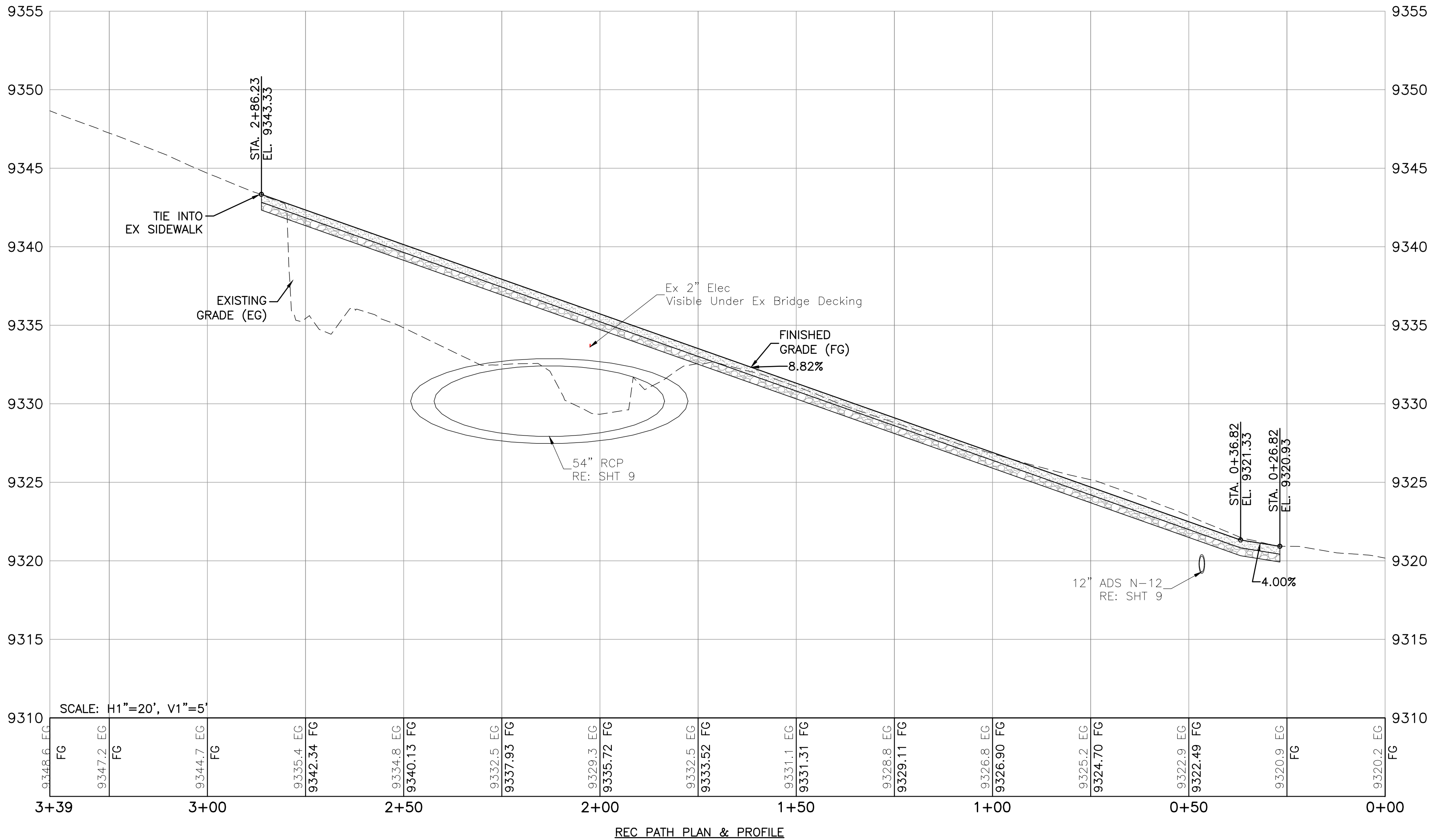
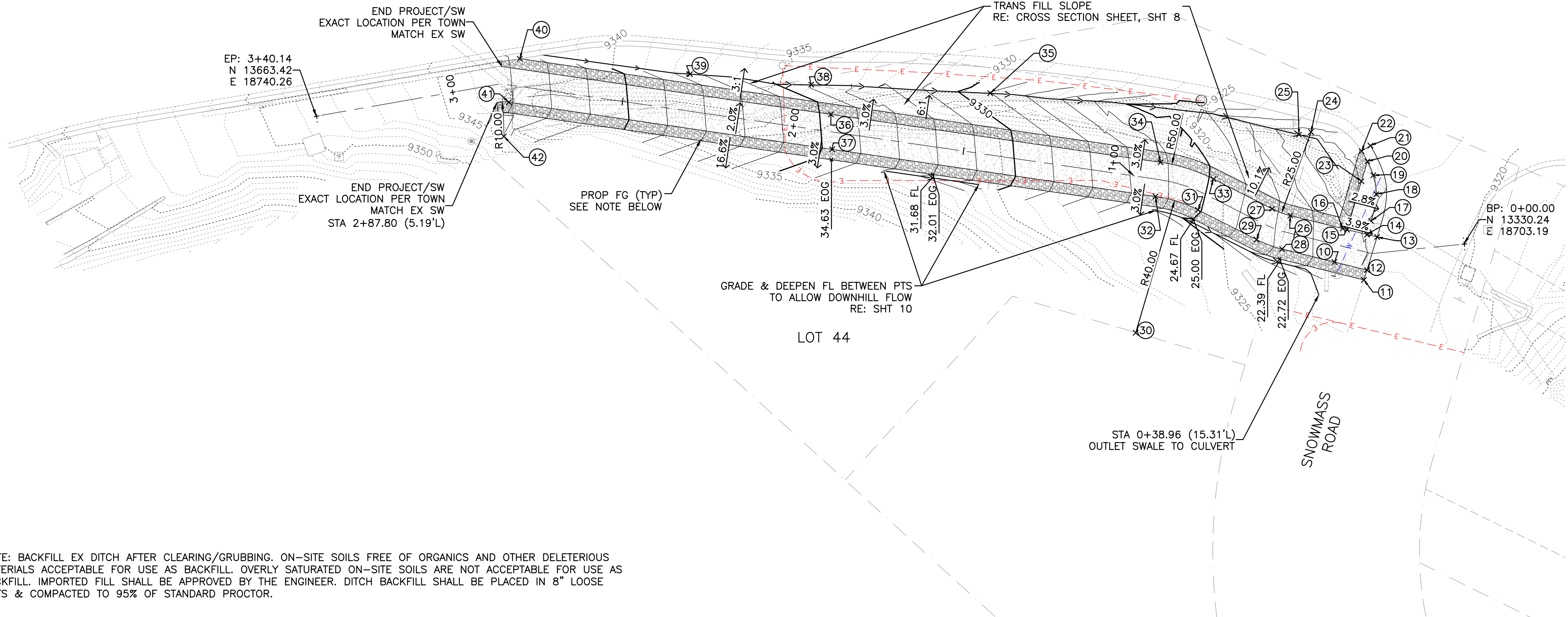
REC PATH CURVE TABLE					
CURVE #	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH	DELTA ANGLE
C1	6.79	30.00	N20°21'59"E	6.78	012°58'38"
C2	14.59	45.00	N17°34'03"E	14.53	018°34'30"



Title:

Alignment Plan





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Town of Mt. Crested Butte  
Gothic Recreation Path & Babbiling  
Brook Ditch Improvements

Revision	Date	By:
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Job No. 2023-113.015  
Drawn by: MG  
Print Date: 01.26.2026  
QC: JB | PE: JB  
File: GothicRec-2025-P&P

Title: Sidewalk P&P

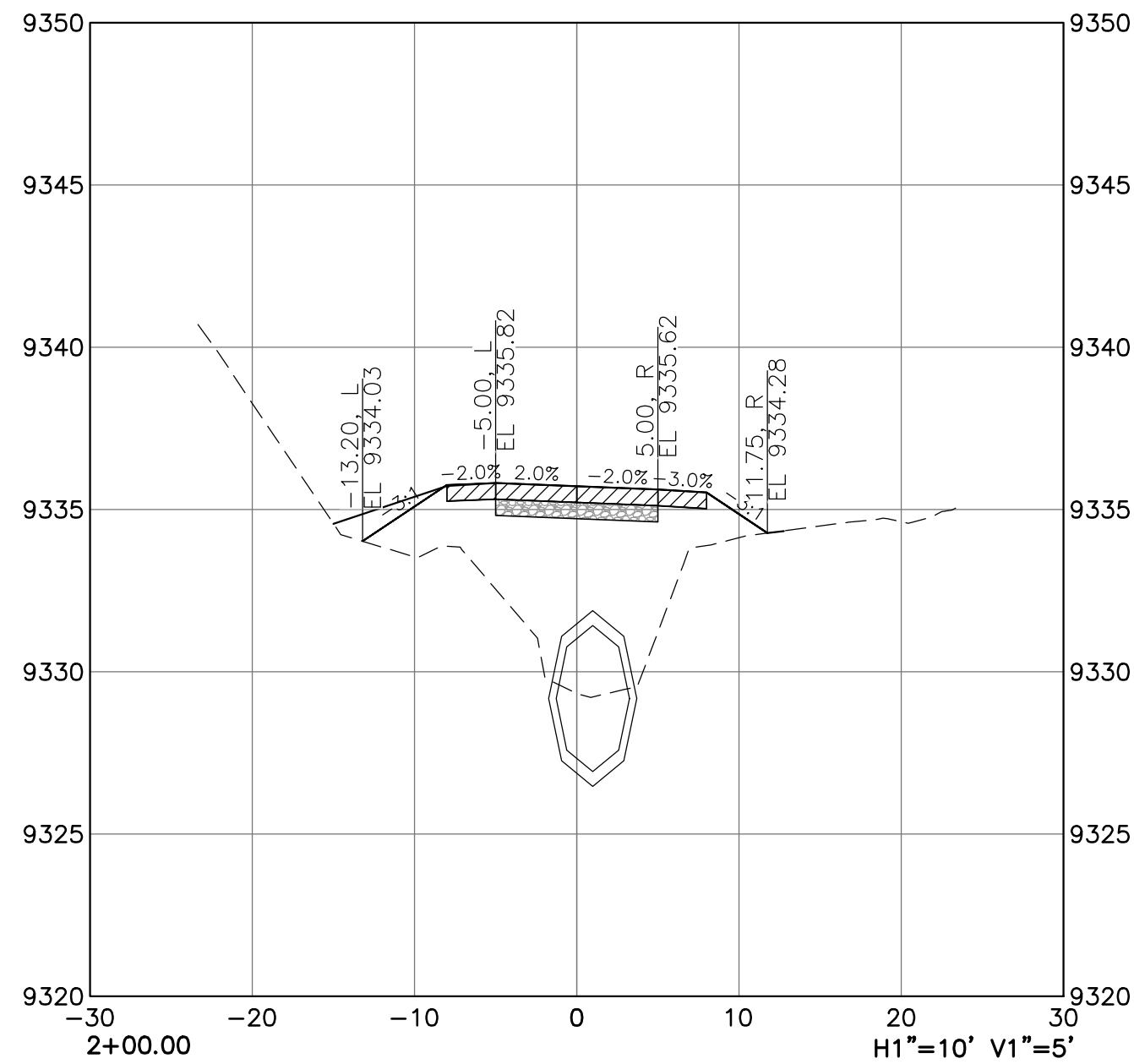
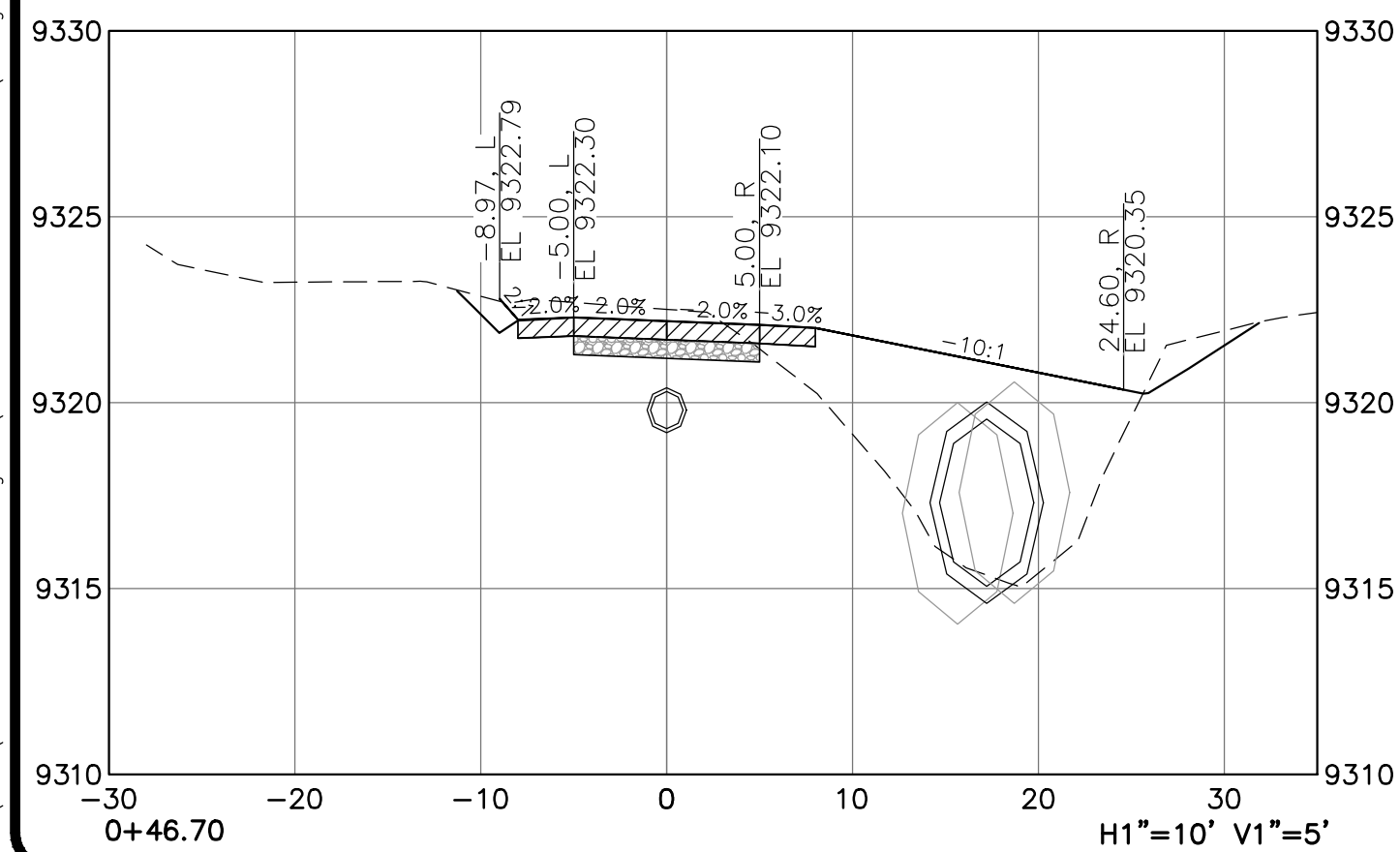
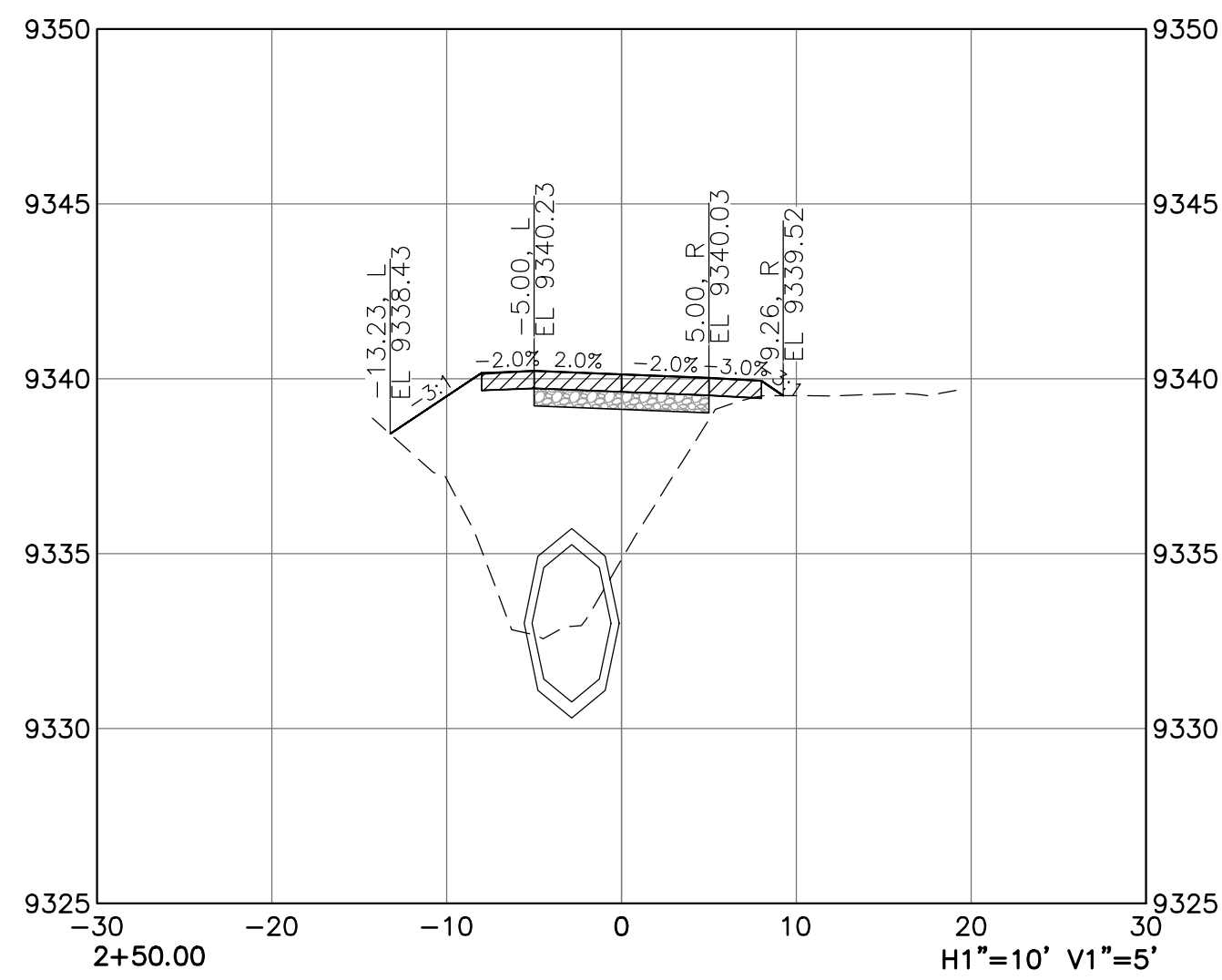
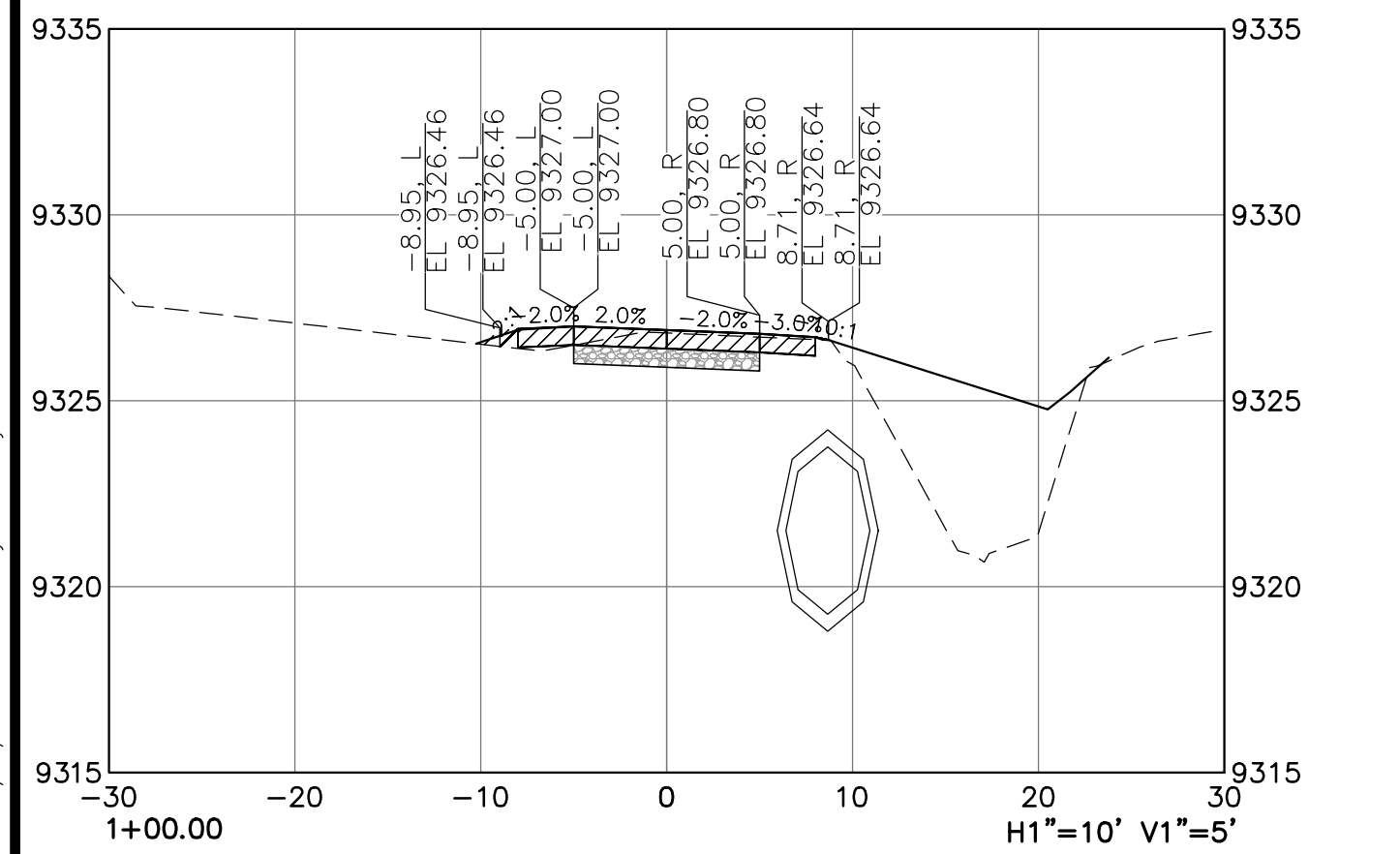
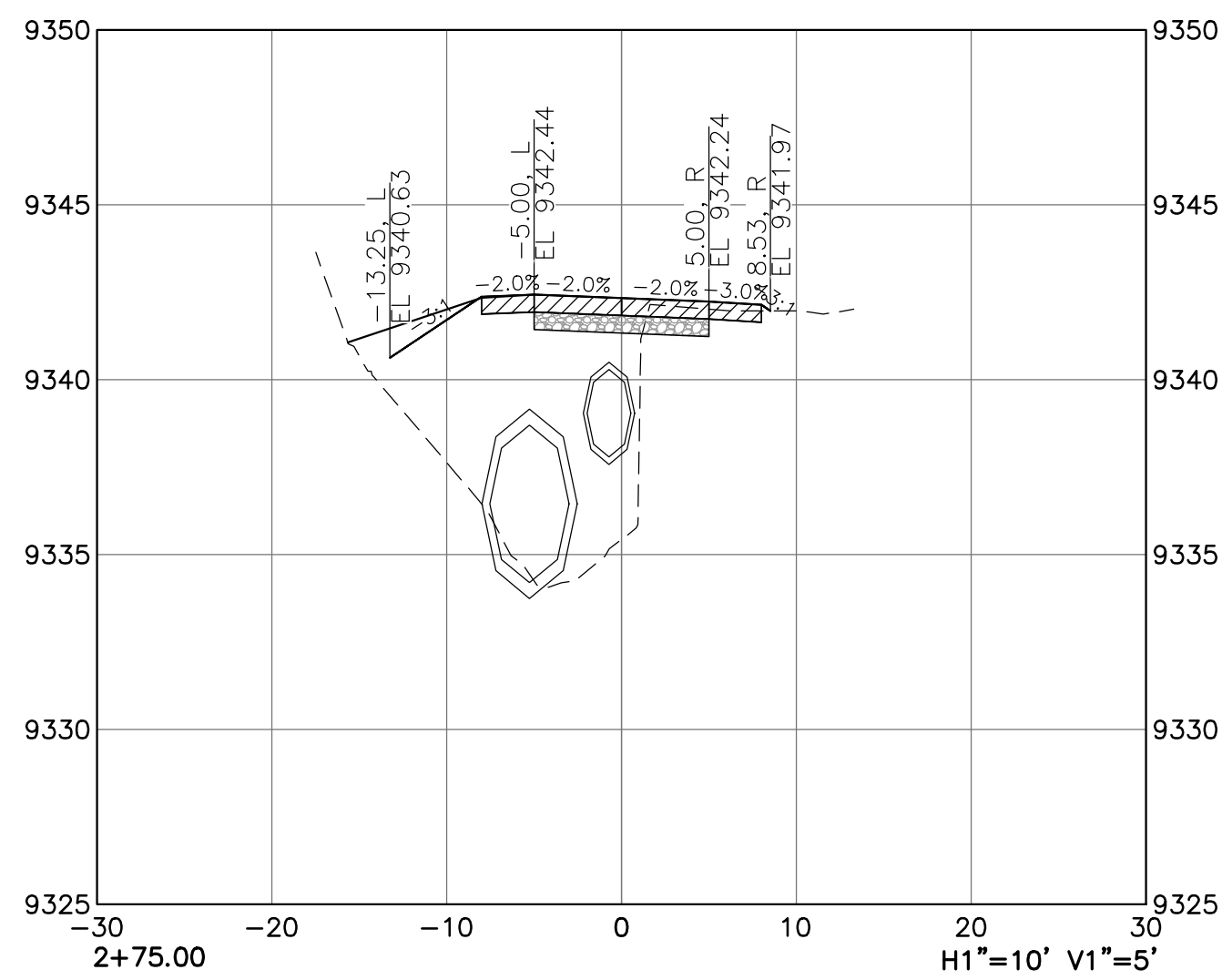
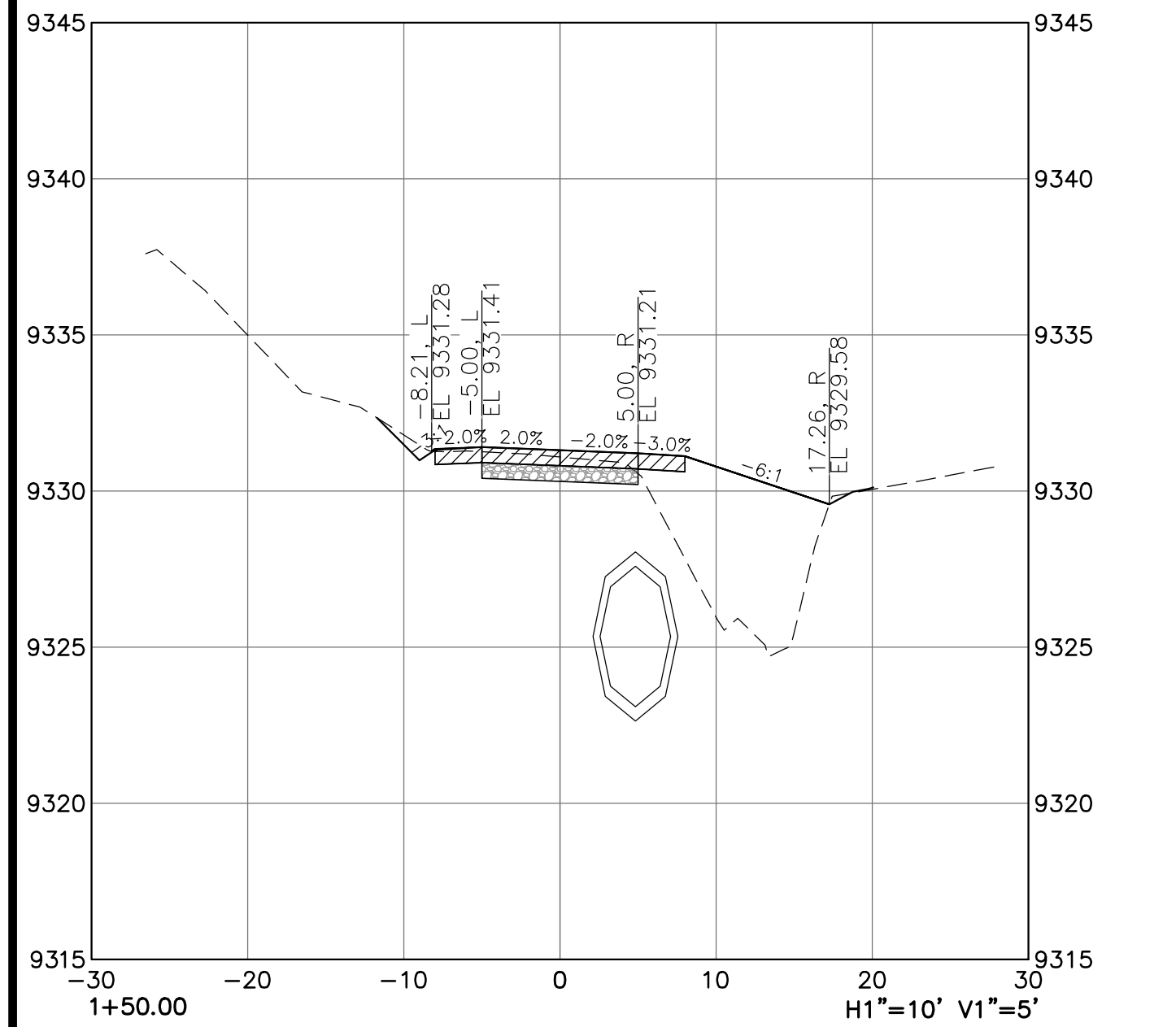
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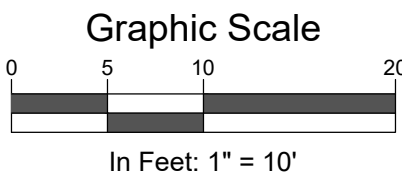
Of: 13



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- NOTE:
- 1) SEE SHEET 10 FOR TYPICAL REC PATH CROSS SECTION.
  - 2) STATIONING IS BASED OFF OF REC PATH CL ALIGNMENT.



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Town of Mt. Crested Butte  
Gothic Recreation Path & Babbling  
Brook Ditch Improvements

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Job No. 2023-113.015  
Drawn by: MG  
Date: 01.26.2025  
QC: JB | PE: JB  
File: GothicRec-2025-XS-BM

Title:

Cross Section Sheet

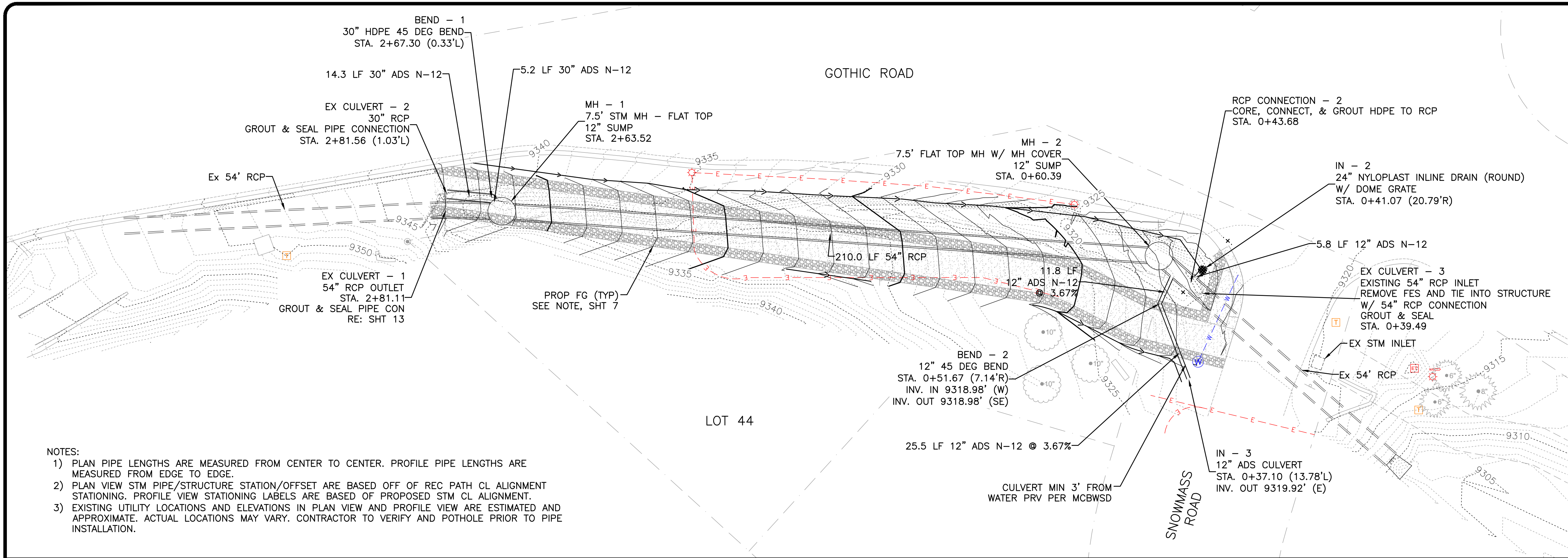
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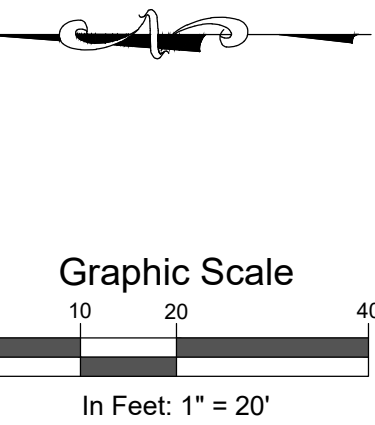
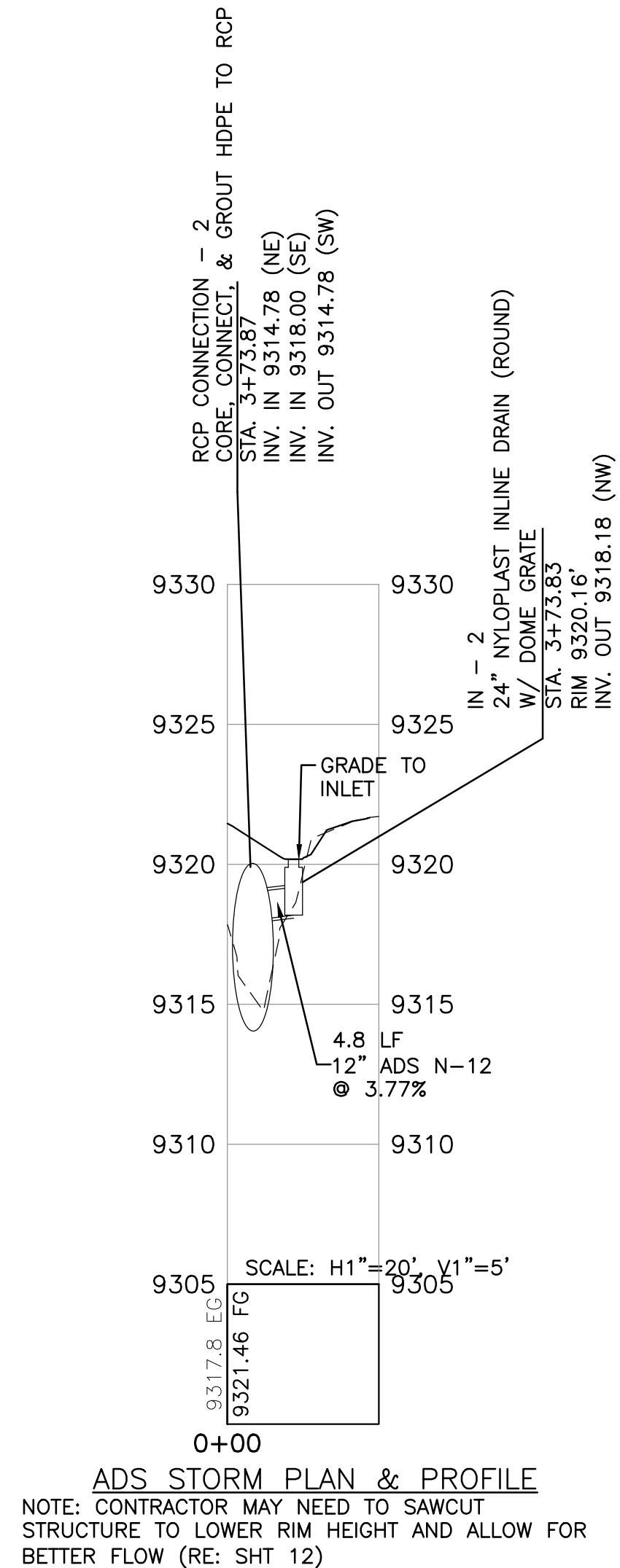
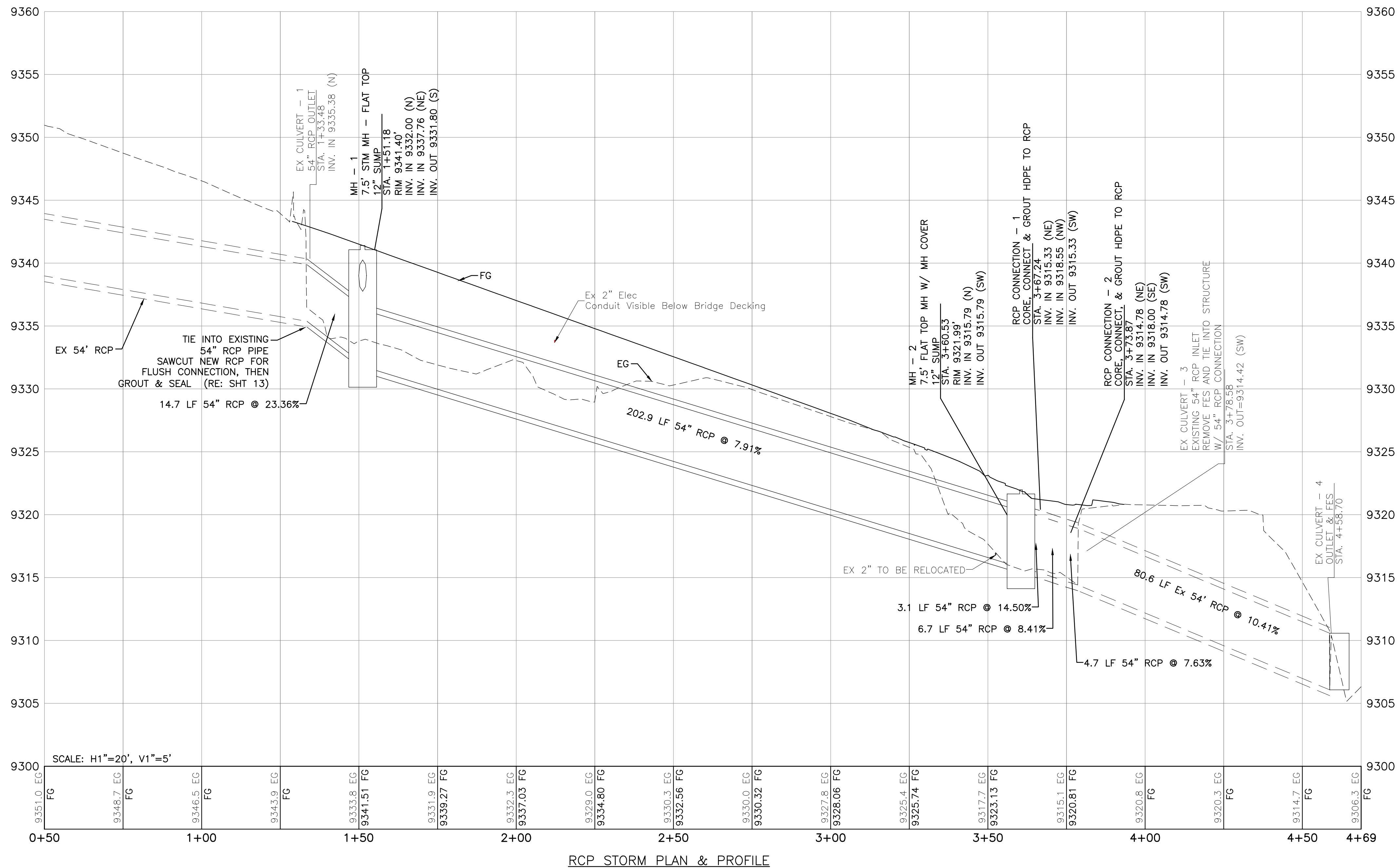
Of: 13



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- NOTES:
- 1) PLAN PIPE LENGTHS ARE MEASURED FROM CENTER TO CENTER. PROFILE PIPE LENGTHS ARE MEASURED FROM EDGE TO EDGE.
  - 2) PLAN VIEW STM PIPE/STRUCTURE STATION/OFFSET ARE BASED OFF OF REC. PATH CL ALIGNMENT STATIONING. PROFILE VIEW STATIONING LABELS ARE BASED OF PROPOSED STM CL ALIGNMENT.
  - 3) EXISTING UTILITY LOCATIONS AND ELEVATIONS IN PLAN VIEW AND PROFILE VIEW ARE ESTIMATED AND APPROXIMATE. ACTUAL LOCATIONS MAY VARY. CONTRACTOR TO VERIFY AND POTHOLE PRIOR TO PIPE INSTALLATION.



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Brook Ditch Improvements

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Job No. 2023-113.015  
Drawn by: MG  
Print Date: 01.26.2026  
QC: JB | PE:  
File: GothicRec-2025-P&P

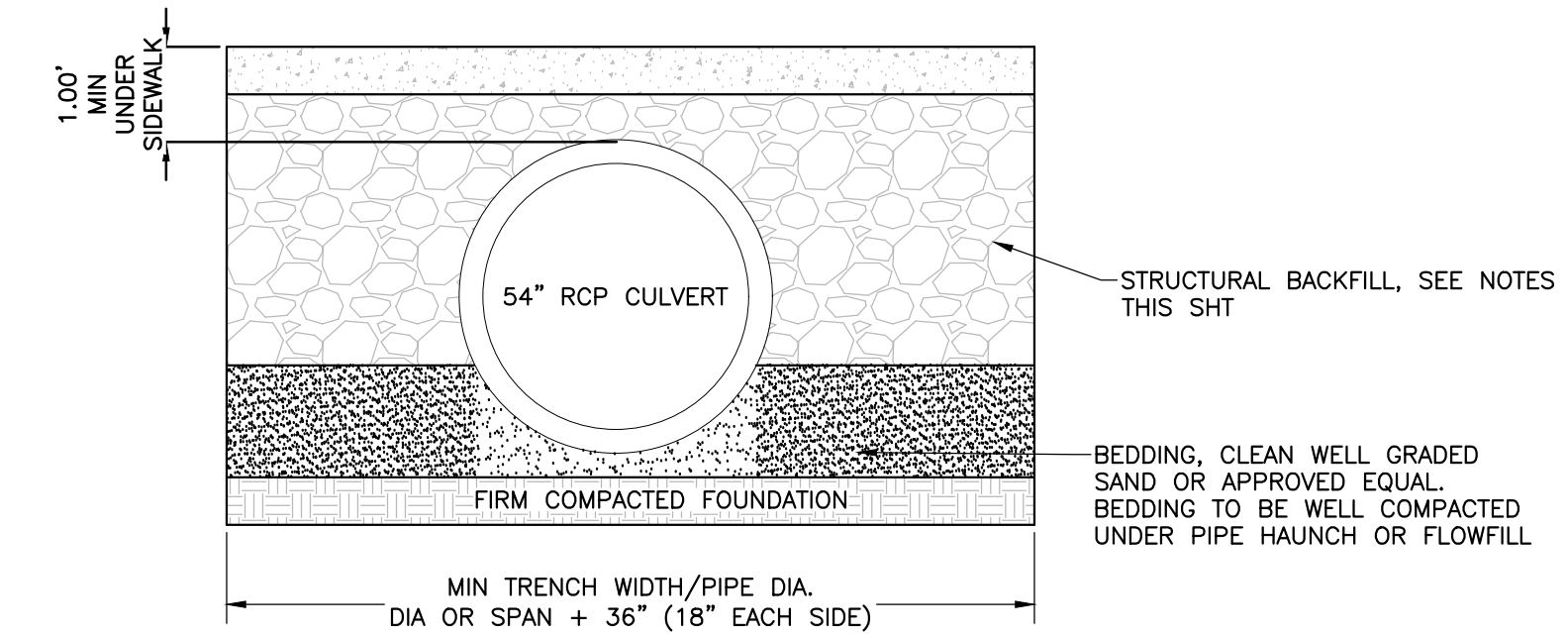
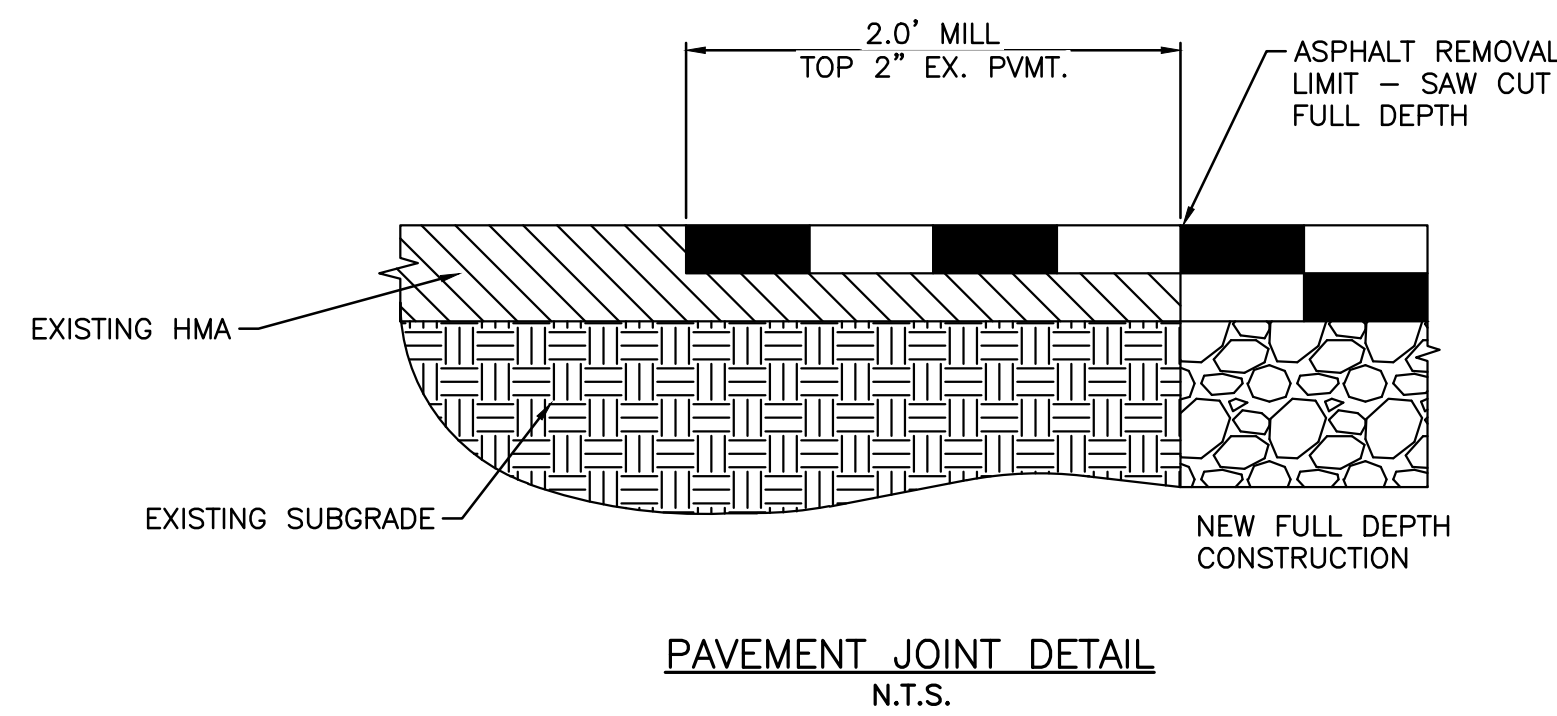
Project Milestone: PRELIMINARY NOT FOR CONSTRUCTION

Culvert P&P

Dwg No. 9

Of: 13





1' TO DEEPEN FL  
RE: PLANS FOR SELECT LOCATIONS

2:1 MAX CUT

3:1 MAX FILL TO FL

3%

3.0% (TYP)

3:1 MAX TO SWALE

6" CONC REC PATH

VARIES (SEE PLAN), MAX 2%

VARIES (SEE PLAN), MAX 2%

6" AGGREGATE BASE COURSE, 1 1/2" MINUS (CDOT CLASS 5)

8" AGGREGATE BASE COURSE, 1 1/2" MINUS (CDOT CLASS 5)

REC. PATH NOTES

- 
- Diagram illustrating the construction and use of erosion control bales:
- EROSION BALES:** The main structure used for sediment control.
  - WOOD STAKES:** Used to secure the bales.
  - TOE OF FILL:** The edge of the fill area.
  - END BALES TO BE KEYED INTO FILL SLOPE:** Bales at the end of the structure are secured into the fill slope.
  - CULVERT:** A structure for water to pass through the baffle.
  - REMOVE ACCUMULATED SEDIMENT WHEN IT REACHES ONE-HALF BALE HEIGHT:** Maintenance instruction for the sediment trap.
  - EROSION BALES ARE TO BE ENTRENCHED INTO THE SOIL, TIGHTLY ABUTTING WITH NO GAPS, STAKED AND BACKFILLED AROUND THE ENTIRE OUTSIDE PERIMETER.** General construction requirement.

: 13











