

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.



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Project Engineer

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Bid Set

January 2026

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

Project Milestone: PRELIMINARY NOT FOR CONSTRUCTION

Cover

1



UNCC 1-800-922-1987

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 .I.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 .I.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 MCBWD 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

Date	By:
Revision	
Project Milestone: PRELIMINARY NOT FOR CONSTRUCTION	
#	- 2 -
Job No.	2023-113.015
Drawn by:	MG
Print Date:	01.26.2026
QC:	JB
PE:	JB
File:	GothicRec-2025-Admin
Title:	General Notes
Dwg No.	2
Of:	13

LEGEND

LINETYPES

EXISTING	PROPOSED	DESCRIPTION
— T — T —	— T —	UNDERGROUND TELEPHONE LINE
— G — G —	— G —	LOW PRESSURE GAS LINE
— C — C —	— C —	UNDERGROUND CABLE TELEVISION LINE
— E — E —	— E —	UNDERGROUND ELECTRICAL LINE
██████████	██████	STORM DRAIN LINE
— w — w —	— w —	WATER LINE
— ws — ws —	— ws — ws —	WATER SERVICE LINE
— S — S —	— S —	SANITARY SEWER LINE
— ss — ss —	— ss — ss —	SANITARY SEWER SERVICE LINE
— FO — FO —	— FO —	FIBER OPTIC LINE
—>—>—	—>—	DRAINAGE SWALE FLOWLINE
— SF — SF — SF —	— SF —	SILT FENCE
██████████	████	CULVERT & FES
—	—	EDGE OF ASPHALT
—	—	EDGE OF CONCRETE
—	—	EDGE OF WATER
—	—	CENTERLINE
○○○○○○○○○○	○○○○○○○○○○	ROCK WALL
· · · · · · · ·	· · · · · · · ·	CONTOURS
—	—	RIGHT-OF-WAY
—	—	VEGETATION
— LDA — LDA —	— LDA —	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)
○○○○○○○○○○	○○○○○○○○○○	VAUULTS/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

GIS	GEOGRAPHICAL INFORMATION SYSTEM	RC	RIBBON CURB
GPM	GALLONS PER MINUTE	RCP	REINFORCED CONCRETE PIPE
GPS	GLOBAL POSITIONING SYSTEM	REC	RECREATION
GRAV	GRAVEL	REF	REFERENCE
#	NUMBER	REQ	REQUIRED
AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS	REVEG	REVEGETATE
ABC	AGGREGATE BASE COURSE	ROW	RIGHT OF WAY
ABUT	ABUTMENT	RP	RADIUS POINT
HDPE	HIGH DENSITY POLYETHYLENE	RW	RETAINING WALL
HMA	HOT MIXED ASPHALT	SB	SANITARY
HORIZ	HORIZONTAL	SCF	SEDIMENT CONTROL FENCE
HP	HIGH POINT	SD	STORM DRAIN
HYD	HYDRANT	SDR	STANDARD DIMENSION RATIO
ID	INSIDE DIAMETER	SE	SOUTHEAST
INVERT	INVERT	SECT	SECTION
IP	INLET PROTECTION	SF	SQUARE FEET
JB	JUNCTION BOX	SHLDR	SHOULDER
LGTH	LENGTH	SHT	HEET
LF	LINEAR FOOT	SHTS	HEETS
LP	LOW POINT	SMH	SANITARY SEWER MANHOLE
LS	LUMP SUM	SOD	GRASS AREA
LSA	LANDSCAPED AREA	STA	STATION
LT	LIGHT POLE	STBK	SETBACK
MAT'L	MATERIAL	SW	SIDEWALK
MAX	MAXIMUM	SWL	SWALE
MCBWS	MT. CRESTED BUTTE WATER & SANITATION	SY	SQUARE YARDS
CF	CUBIC FEET	SYM	SYMMETRICAL
CFS	CUBIC FEET PER SECOND	TAN	TANGENT
CIP	CAST IN PLACE	TCP	TRAFFIC CONTROL PLAN
CL	CENTERLINE	TELE	TELEPHONE
CMP	CORRUGATED METAL PIPE	TEMP	TEMPORARY
CON	CONNECTION	TP	TOP OF PIPE
CONC	CONCRETE	TRANS	TRANSITION
CONST	CONSTRUCTION	TPY	TYPICAL
CONT	CONTINUOUS	UE	UNDERGROUND ELECTRIC LINE
COR	CORNER	UG	UNDERGROUND GAS LINE
CU	CUBIC	UT	UNDERGROUND TELEPHONE LINE
CULV	CULVERT	VP	VALLEY PAN
CY	CUBIC YARD	VPAN	VALLEY PAN
DEG	DEGREES	W	WIDE
DIA	DIAMETER	W/	WITH
DR	DRAIN	X-S	CROSS SLOPE
DWG	DRAWING	XING	CROSSING
E	EASTING	YD	YARD
EA	EACH		
EG	EXISTING GRADE		
EL	ELEVATION		
ELEV	ELEVATION		
EOA	EDGE OF ASPHALT		
EOC	EDGE OF CONCRETE		
EOC	EDGE OF GRAVEL		
EOP	EDGE OF PAVEMENT		
EP	END PROJECT, END POINT		
EPA	ENVIRONMENTAL PROTECTION AGENCY		
ESMT	EASEMENT		
EST	ESTIMATE		
EX	EXISTING		
EXIST	EXISTING		
FES	FLARED END SECTION		
FG	FINISHED GRADE		
FH	FIRE HYDRANT		
FL	FLOWLINE		
FOW	FACE OF WALL		
FPS	FEET PER SECOND		
FT	FEET		
G	GAS		
GAL	GALLONS		
GB	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

Job No. 2023-113-015
Drawn by: MG
Print Date: 01.26.2026
OC: JB PE: JB
File: GothicRec-2025-Admin
Title:

Legend & Abbreviations

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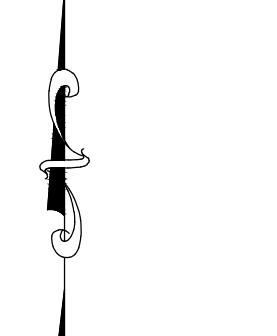
Town of Mt. Crested Butte

Gothic Recreation Path & Babbling
Brook Ditch Improvements

SURVEY CONTROL POINT TABLE			
POINT #	NORTHING	EASTING	DESCRIPTION
1	13618.39	18733.03	NO. 5 REBAR - SITE BENCHMARK EL 9346.04'
2	13423.66	18556.62	1" YELLOW PLASTIC CAP, NO. 4 REBAR, PLS 11250
3	13406.49	18427.01	NO. 4 REBAR

NOTES:

1. EXISTING PATH IS NOT CONTAINED WITHIN THE EXISTING 12' SIDEWALK EASEMENT. NEW EASEMENT REQUIRED.
2. UTILITY STRUCTURES WERE SURVEYED AND LOCATED. LOCATIONS OF EXISTING DRY UTILITIES (ELECTRIC, CONDUIT, ETC.) WERE ESTIMATED AND INTERPOLATED BASED ON UTILITY LOCATES (IF ANY) AND VISIBLE PIPES.



Graphic Scale
0 10 20 40
In Feet: 1" = 20'

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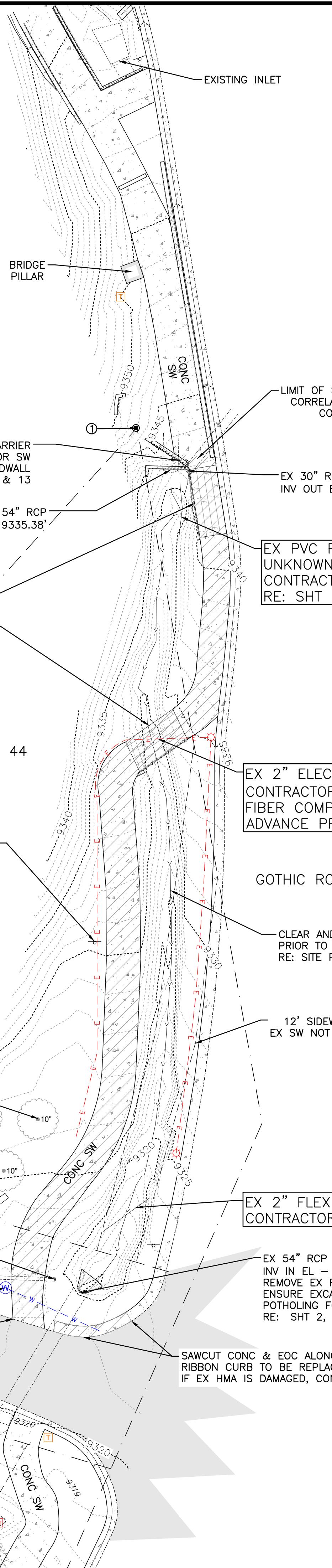
Town of Mt. Crested Butte
Gothic Recreation Path & Babbling
Brook Ditch Improvements

Job No.	2023-113-015
Drawn by:	MG
Print Date:	01.26.2026
QC:	JB
PE:	JB
File:	GothicRec-2025-Plans
Title:	

Existing Conditions and Removals

4A

Of: 13

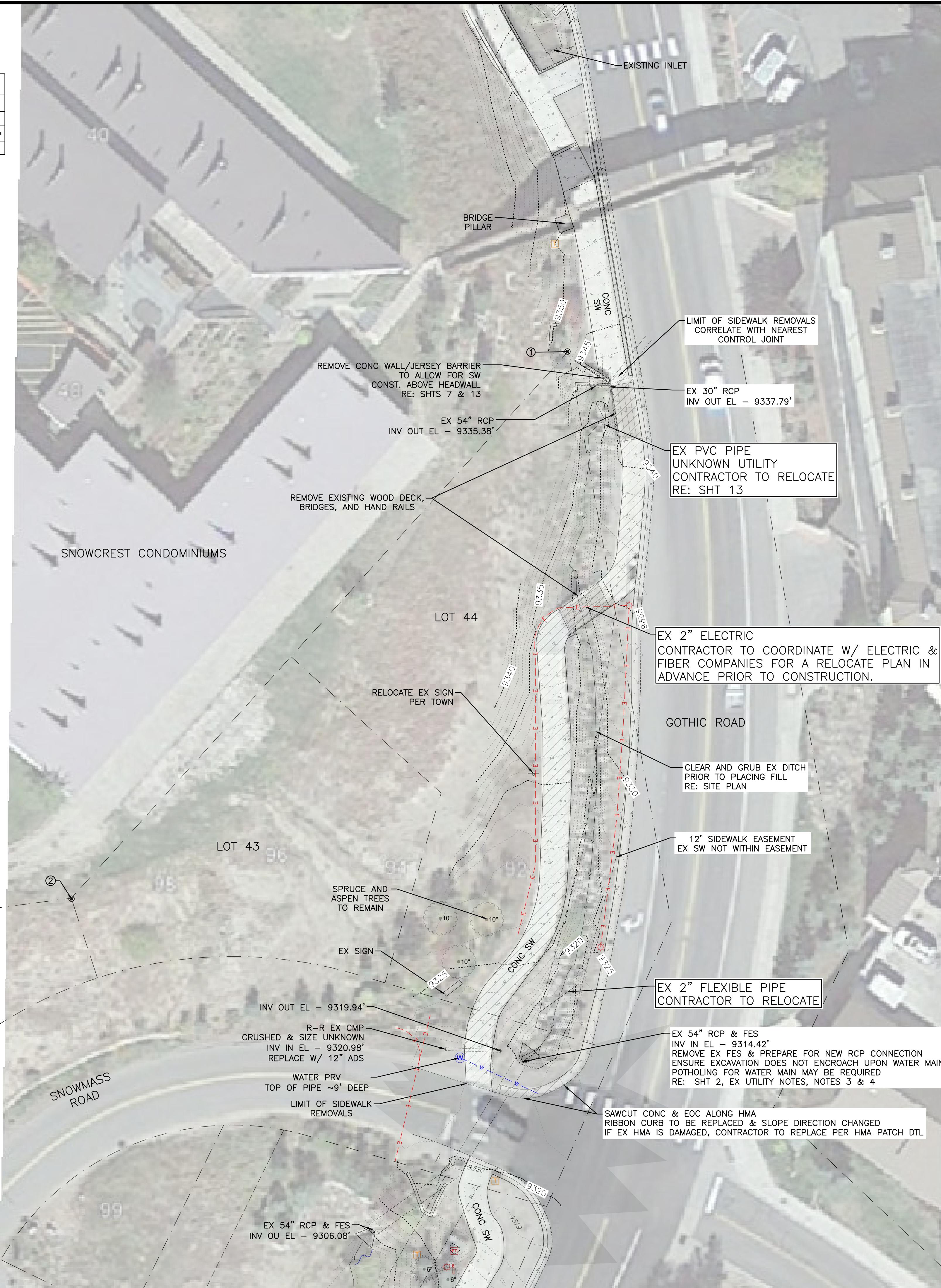


Graphic Scale
0 10 20 40
In Feet: 1" = 20'

4A

Of: 13

SURVEY CONTROL POINT TABLE			
POINT #	NORTHING	EASTING	DESCRIPTION
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NOTES:

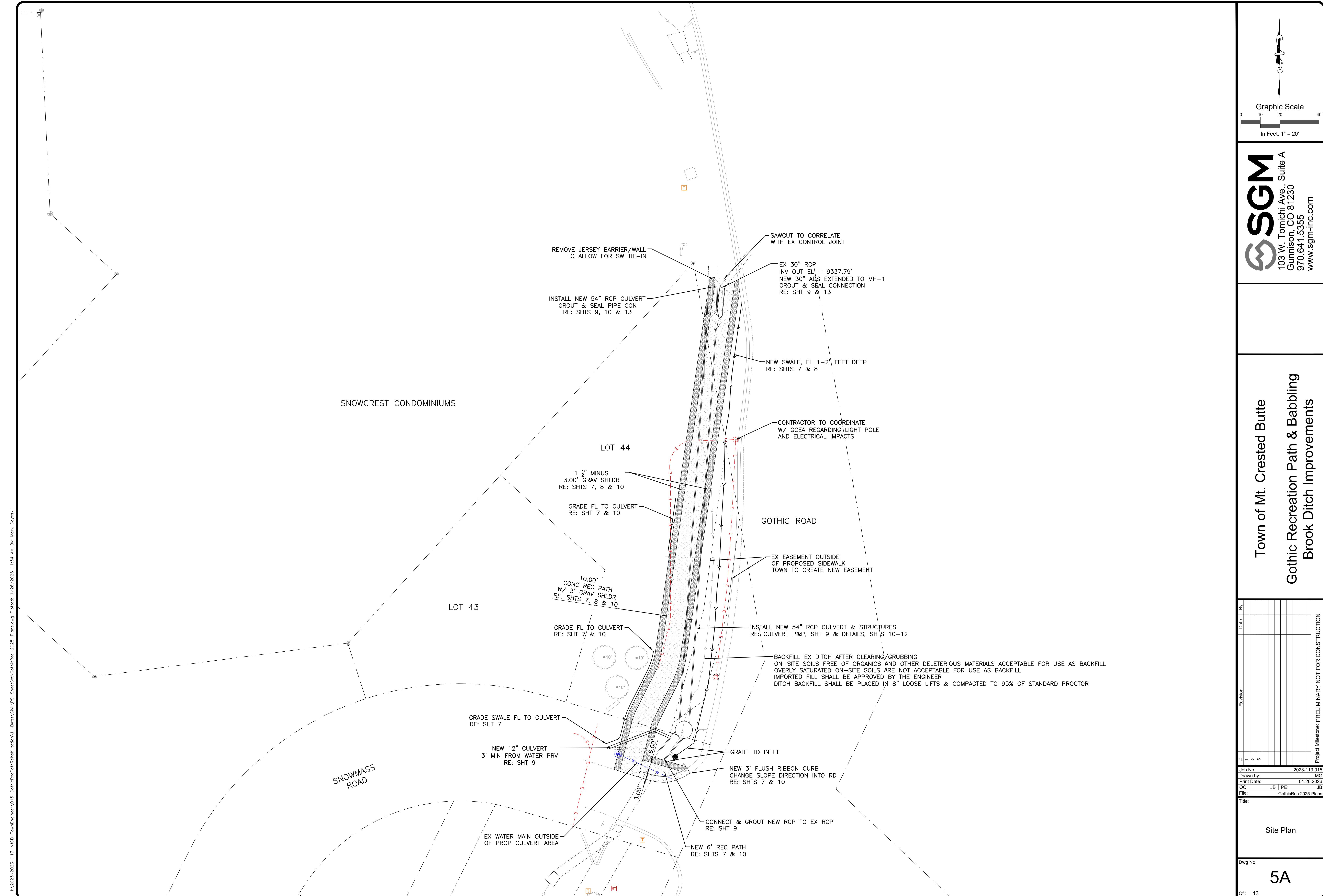
1. EXISTING PATH IS NOT CONTAINED WITHIN THE EXISTING 12' SIDEWALK EASEMENT. NEW EASEMENT REQUIRED.
2. UTILITY STRUCTURES WERE SURVEYED AND LOCATED. LOCATIONS OF EXISTING DRY UTILITIES (ELECTRIC, CONDUIT, ETC.) WERE ESTIMATED AND INTERPOLATED BASED ON UTILITY LOCATES (IF ANY) AND VISIBLE PIPES.

Town of Mt. Crested Butte

Gothic Recreation Path & Babbli Brook Ditch Improvements

Existing Conditions and Removals (Aerial)

g No.

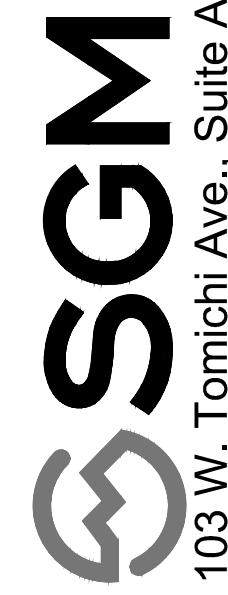




NOTES:
1. USE OLD CONCRETE AS RIP RAP FOR SNOWFALL DRAINAGE BACKFILL.

Job No.	2023-113-015
Drawn by:	MG
Print Date:	01.26.2026
QC:	JB
PE:	JB
Title:	
Site Plan (Aerial)	
Dwg No.	5B
Of:	13

Project Milestone: PRELIMINARY NOT FOR CONSTRUCTION

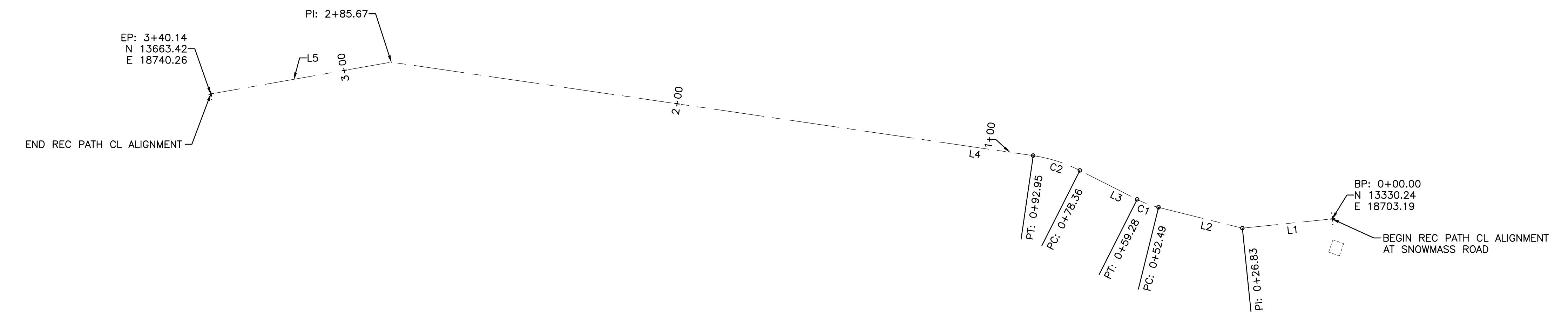


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REC PATH LINE TABLE		
LINE #	BEARING	LENGTH
L1	N5°52'31"W	26.83
L2	N13°52'40"E	25.65
L3	N26°51'18"E	19.08
L4	N8°16'48"E	192.72
L5	N9°59'18"W	54.47

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"



Alignment Plan

6

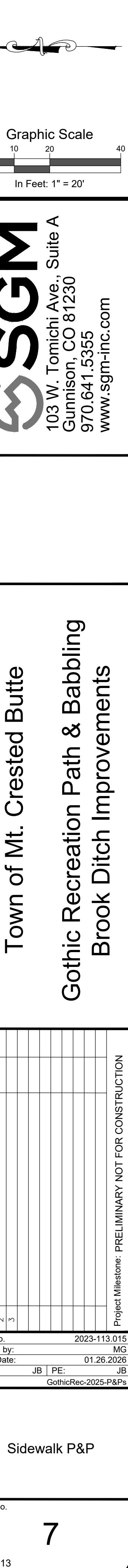
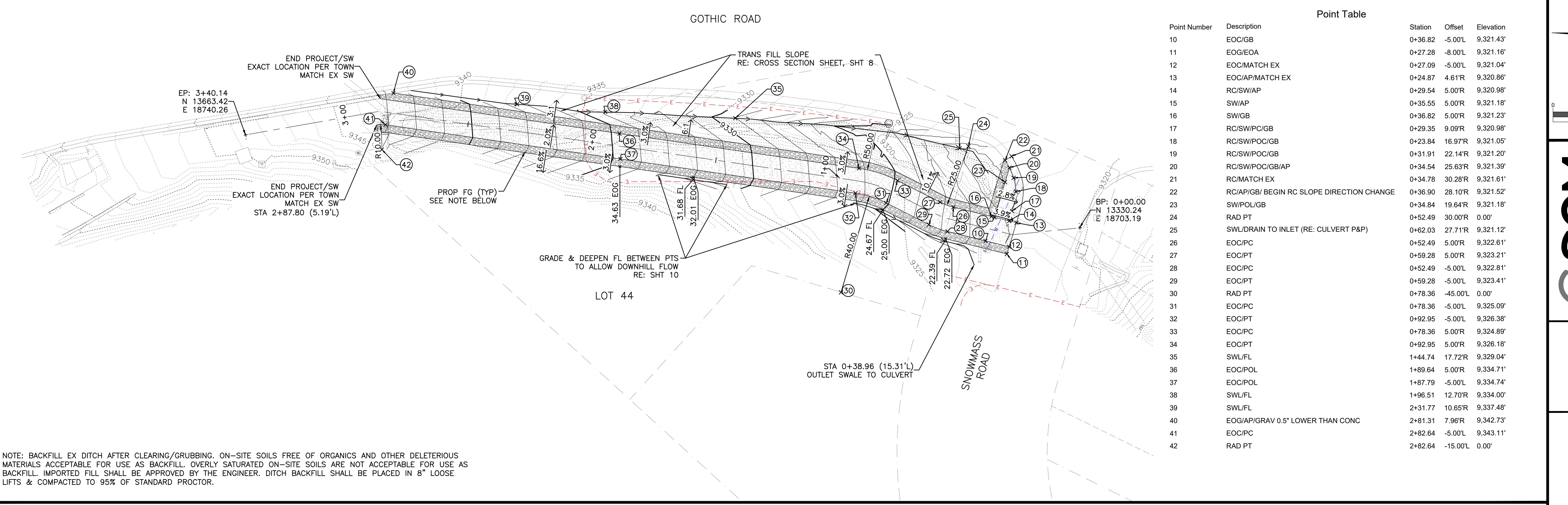
Of: 13

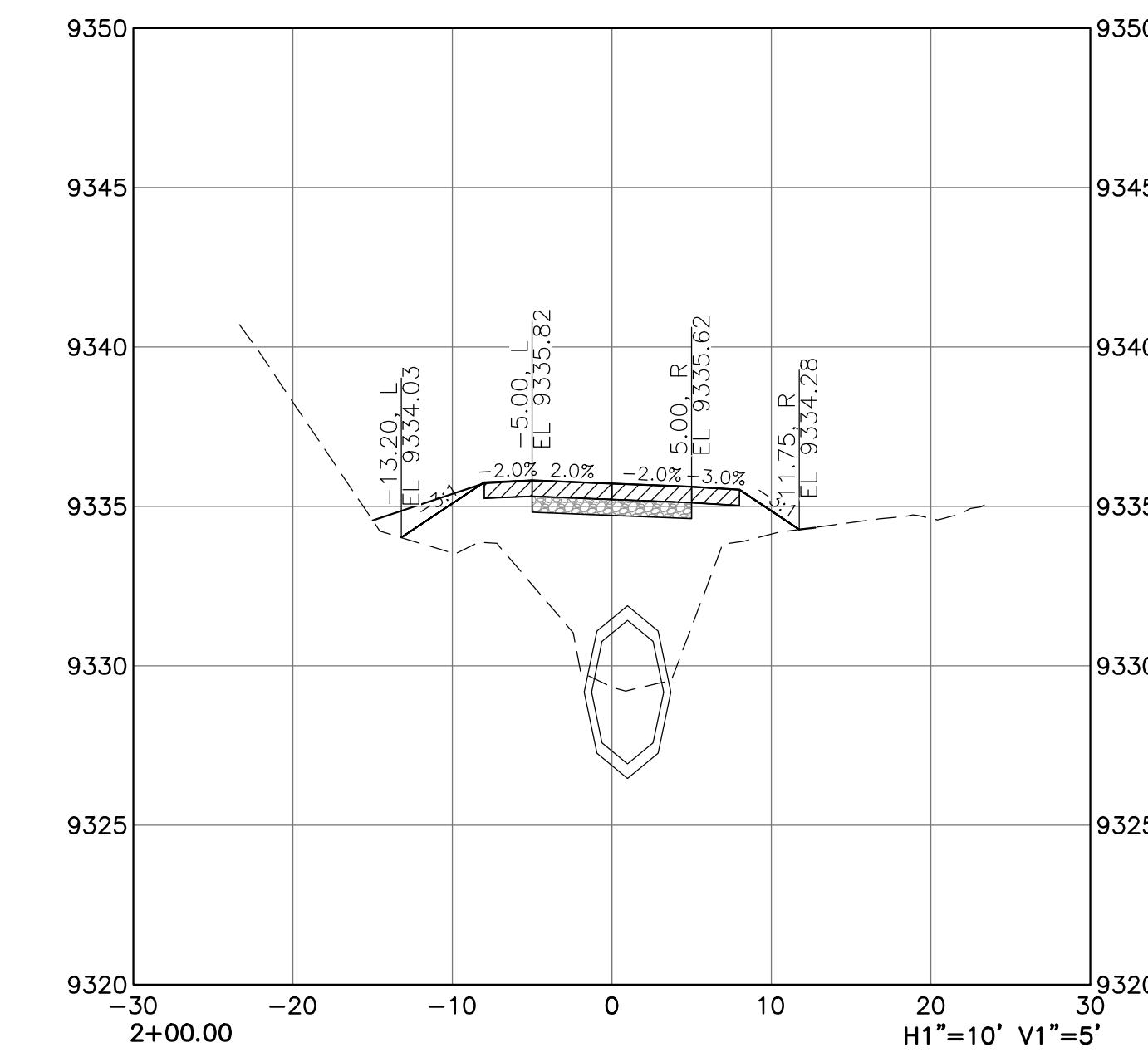
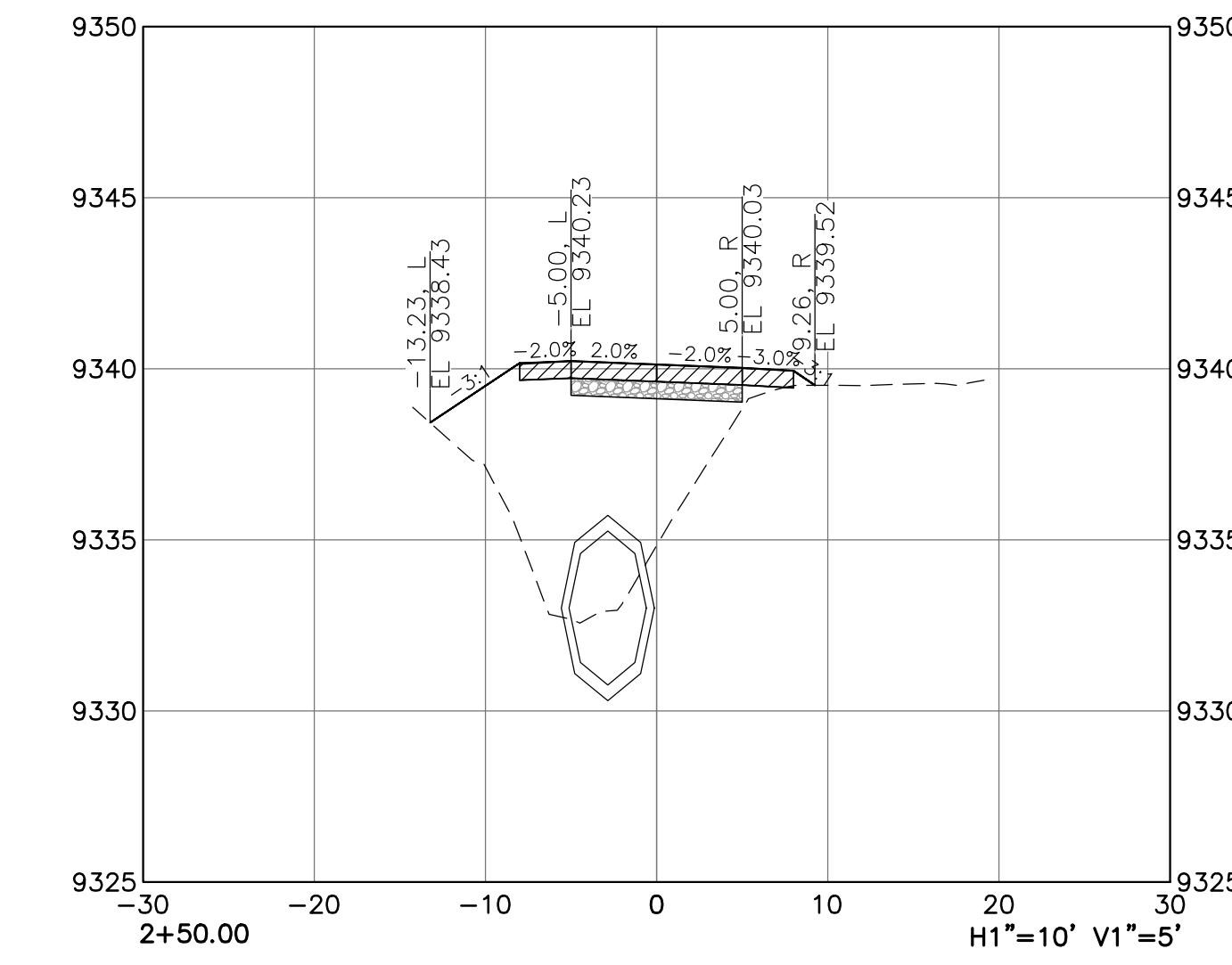
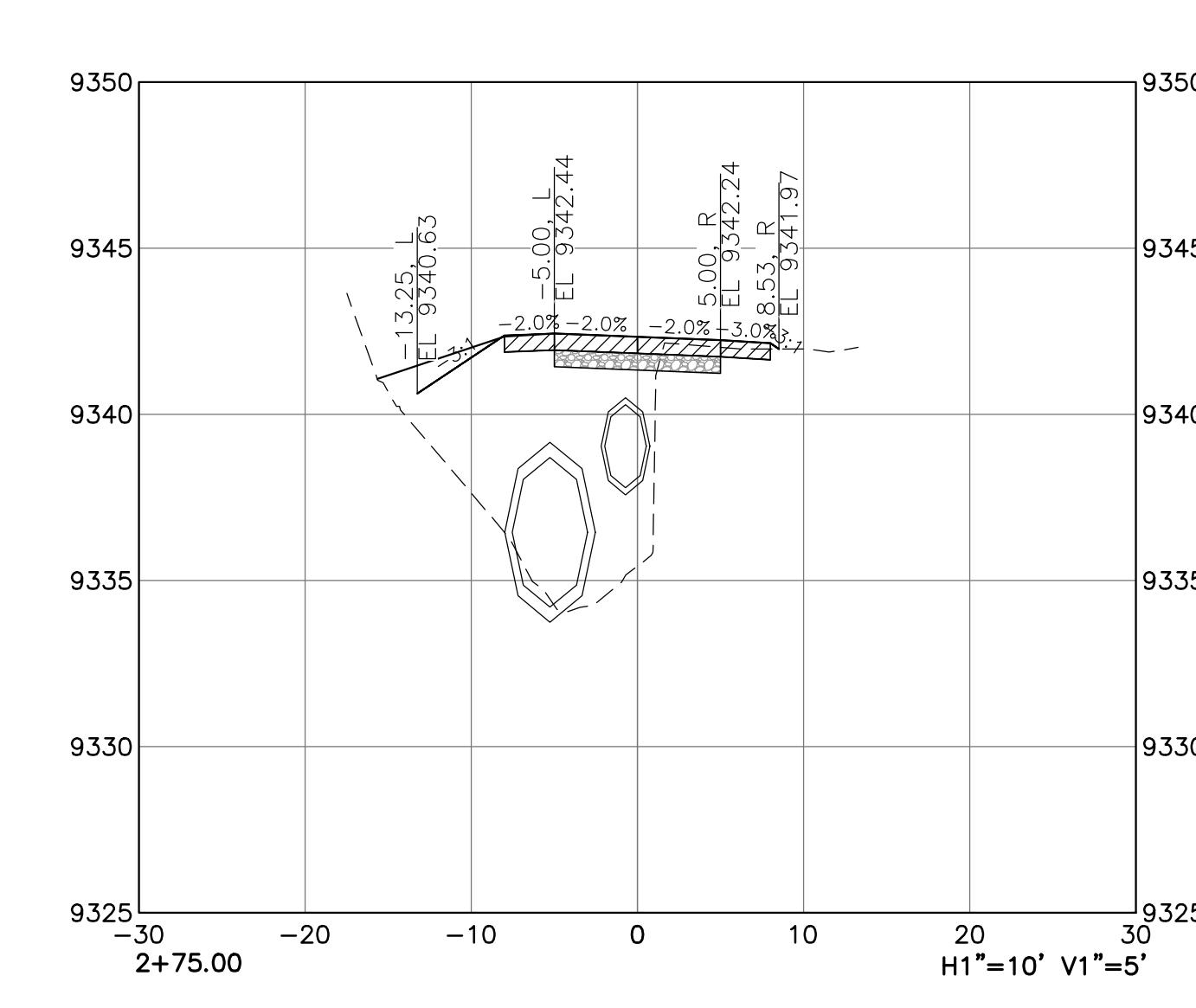
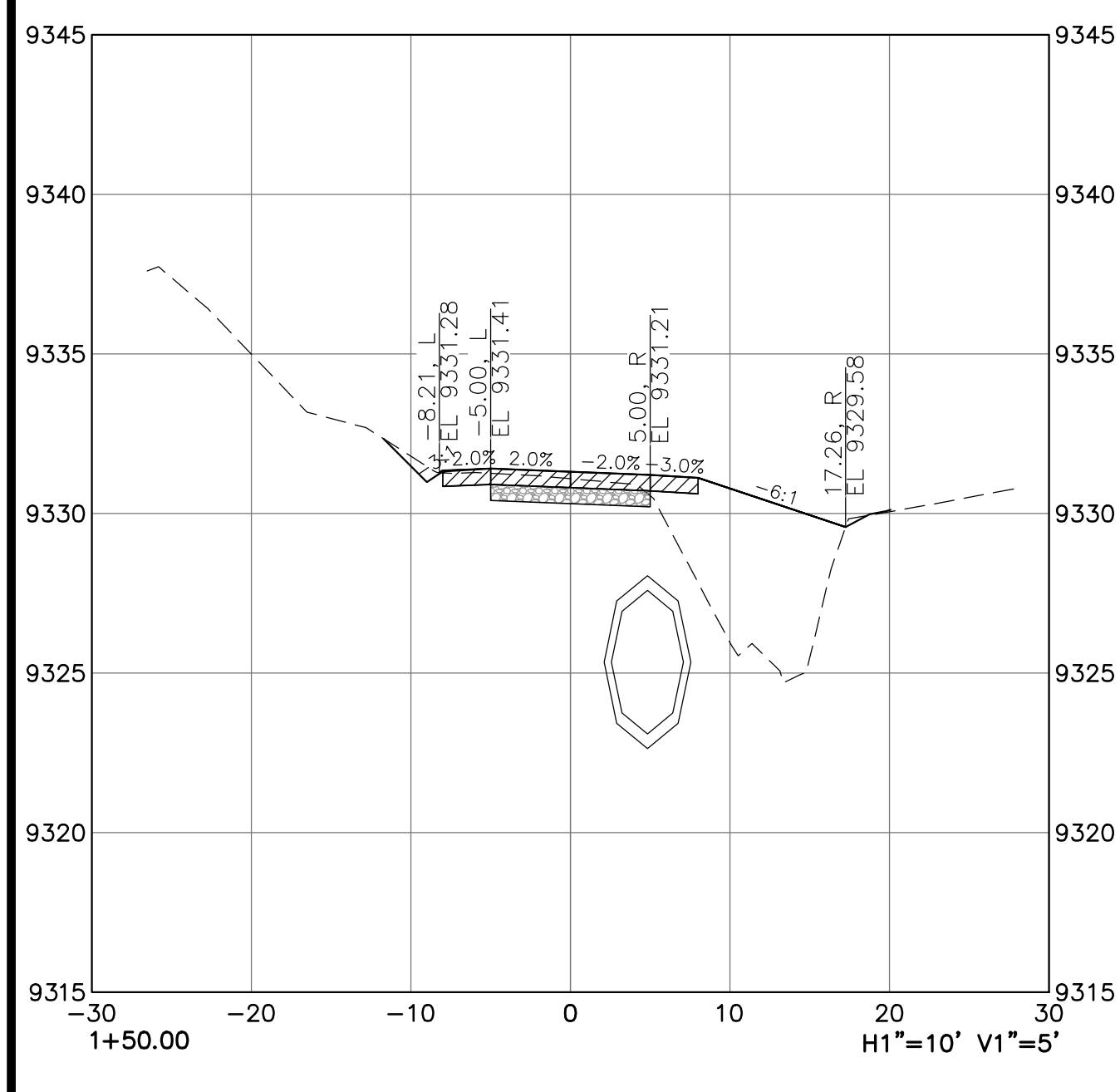
Project Milestone: PRELIMINARY NOT FOR CONSTRUCTION

#	1	2	3
Job No.	2023-113-015		
Drawn by:	MG		
Print Date:	01.26.2026		
QC:	JB	PE:	JB
File:	GothicRec-2025-P&Ps		
Title:			

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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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Project Milestone: PRELIMINARY NOT FOR CONSTRUCTION

Cross Section Sheet

8

13

Graphic Scale

In Feet: 1" = 10'

Job No. 2023-113-015
Drawn by: MG
Date: 01.26.2026
QC: JB | PE: JB
File: GothicRec-2025-XS-BM

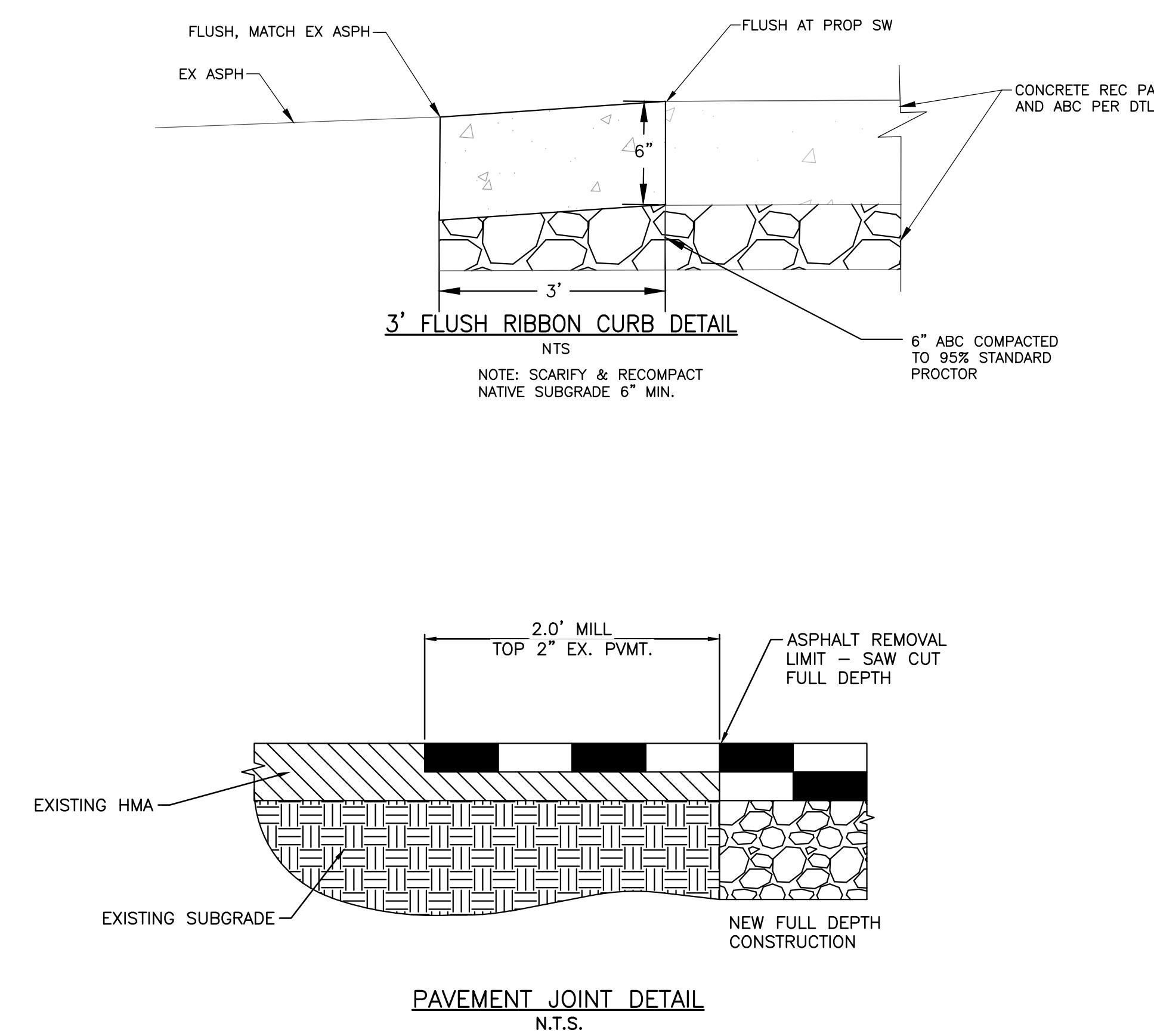
Title:

Dwg No.

Revision

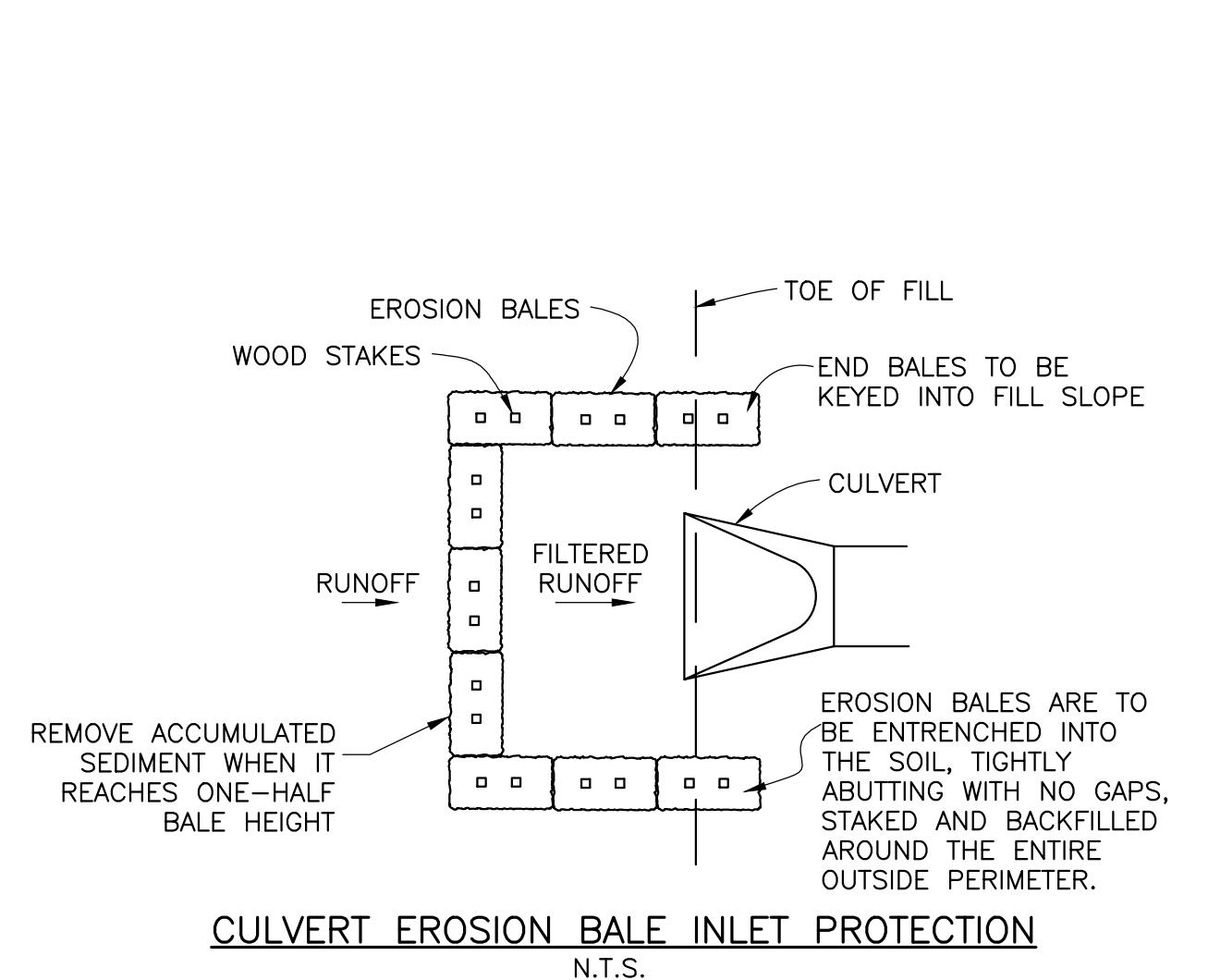
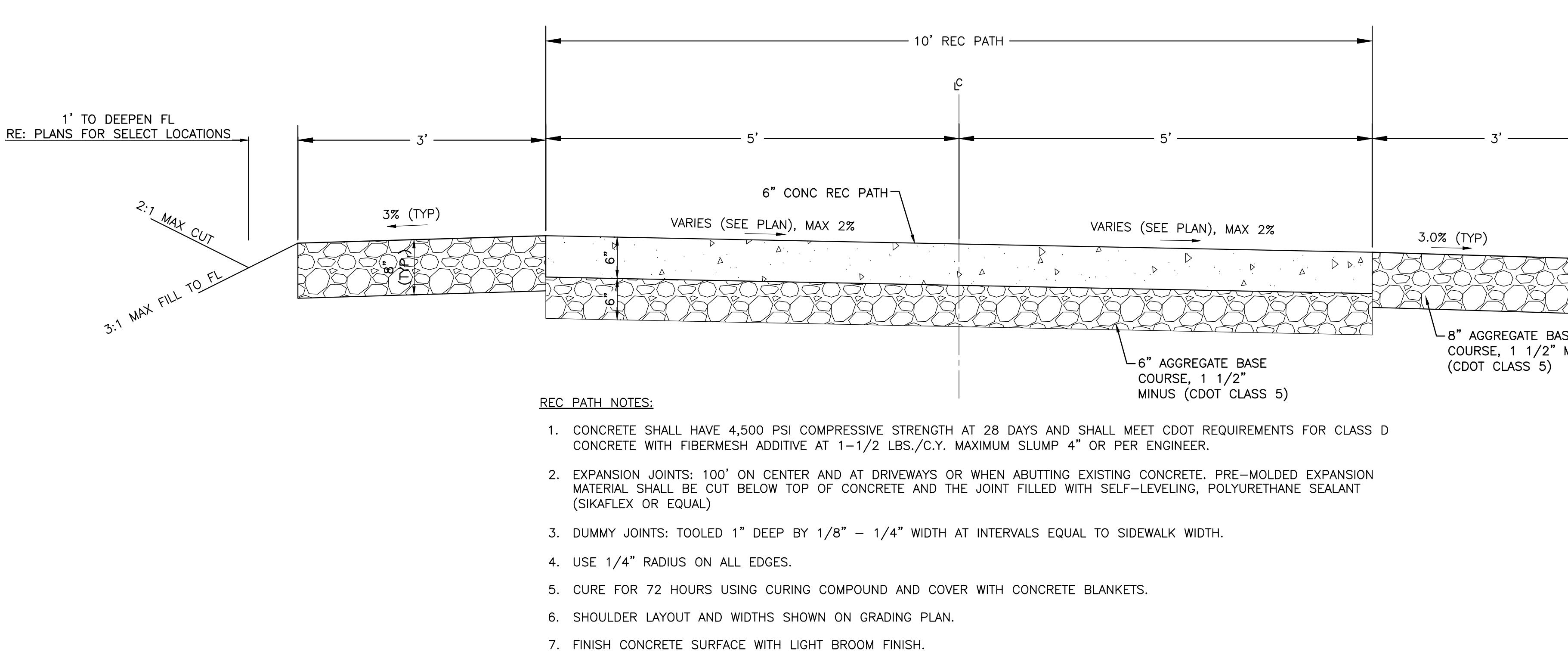
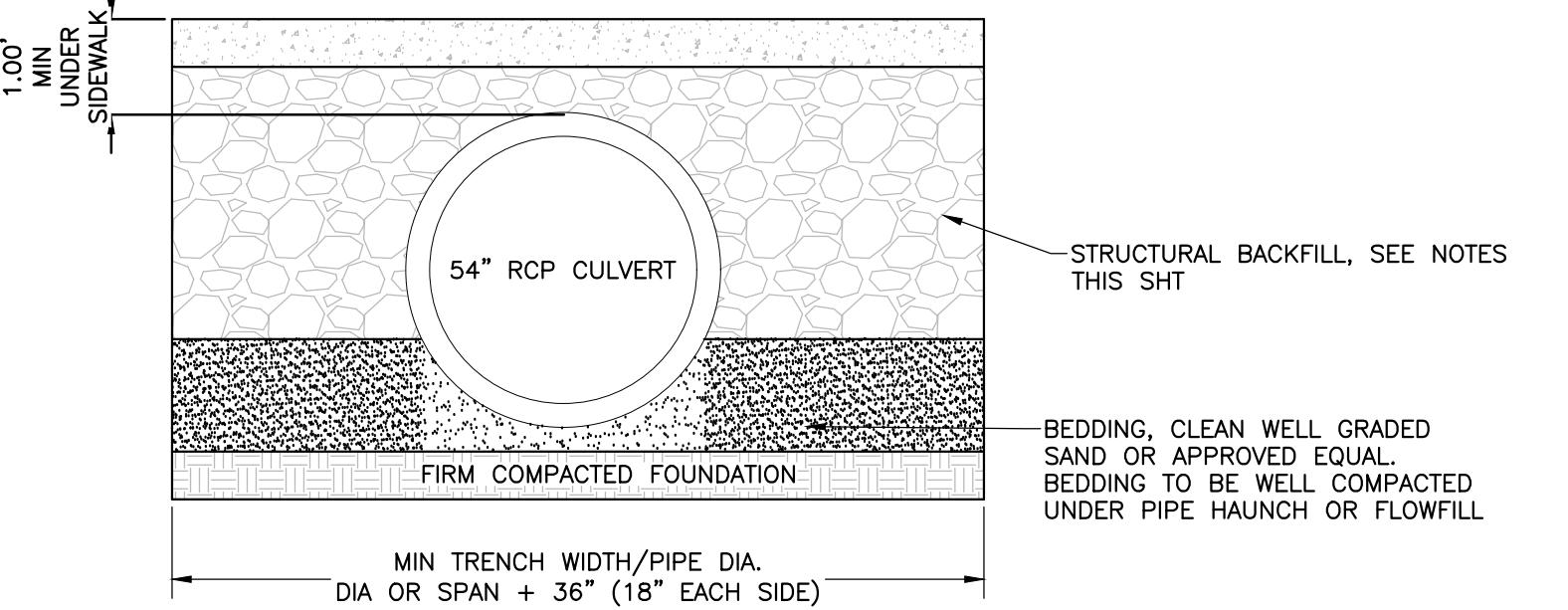
Date

By:



CULVERT NOTES:

1. ALL TRENCHING, BEDDING, BACKFILL AND PIPE SHALL BE CONSTRUCTED AND/OR PLACED PER THE LATEST VERSION OF THE MANUFACTURER INSTALLATION GUIDE.
2. STRUCTURAL FILL SHALL BE 1-1/2" MINUS AGGREGATE BASE COURSE MEETING CDOT STANDARDS FOR CLASS 5 MATERIAL WITH THE EXCEPTION THAT THE FINES (% PASSING NO 200 SIEVE) SHALL BE 10% OR LESS. STRUCTURAL FILL SHALL BE PLACED EVENLY ON BOTH SIDES OF PIPE IN MAXIMUM 6" LOOSE LIFTS, AND CAREFULLY COMPACTED.
3. BEDDING SHALL BE PLACED A MINIMUM OF 4" BELOW THE BOTTOM OF PIPE. A ZONE OF LOOSE BEDDING MATERIAL SHAPED TO THE PIPE SHOULD BE PLACED UNDER THE FLAT ARC BOTTOM. LOOSE BEDDING SECTION SHOULD NOT EXCEED THE WIDTH SHOWN.

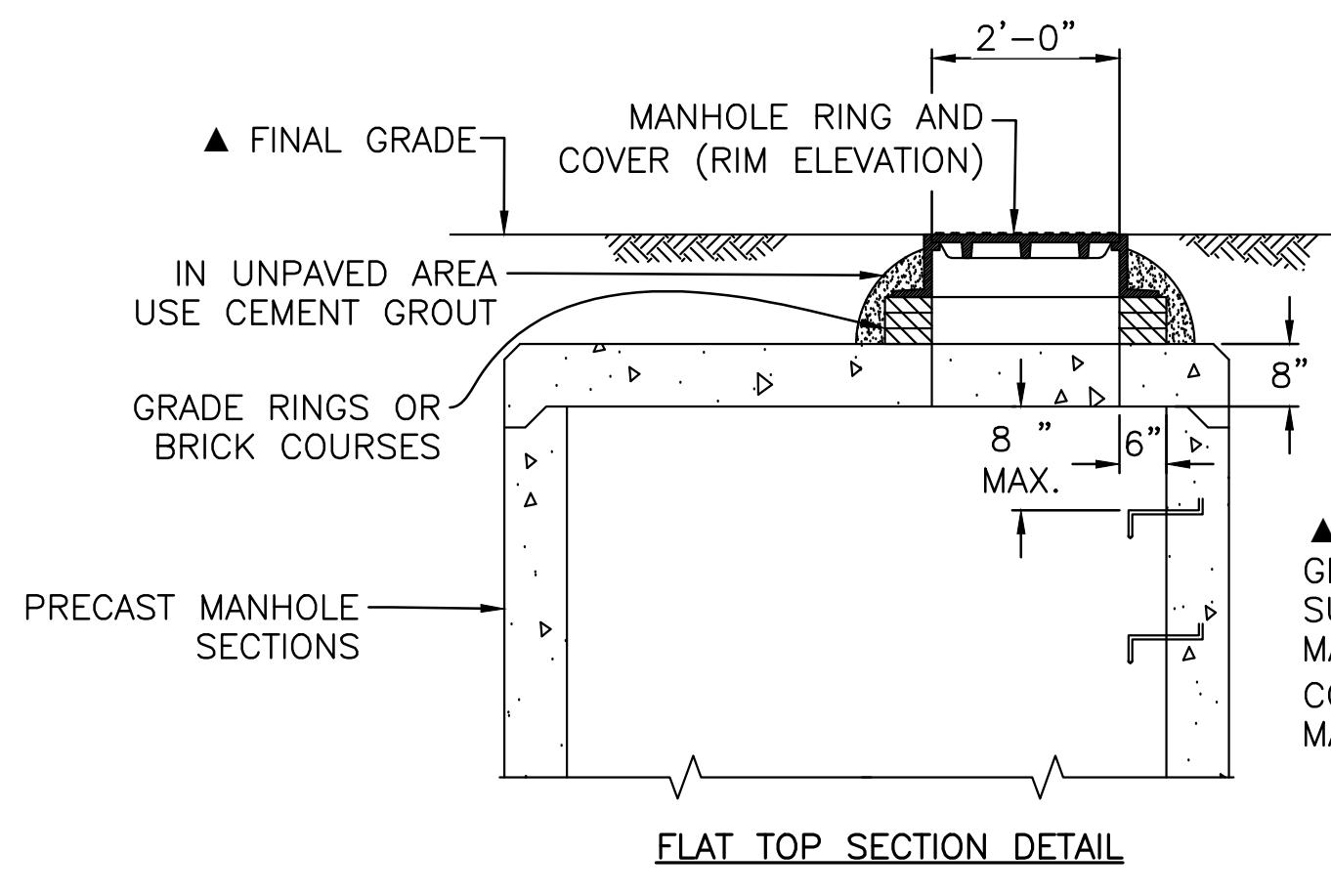
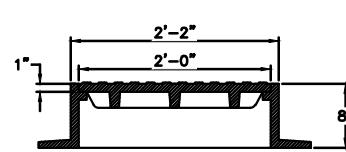
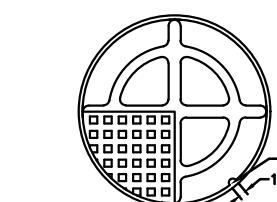
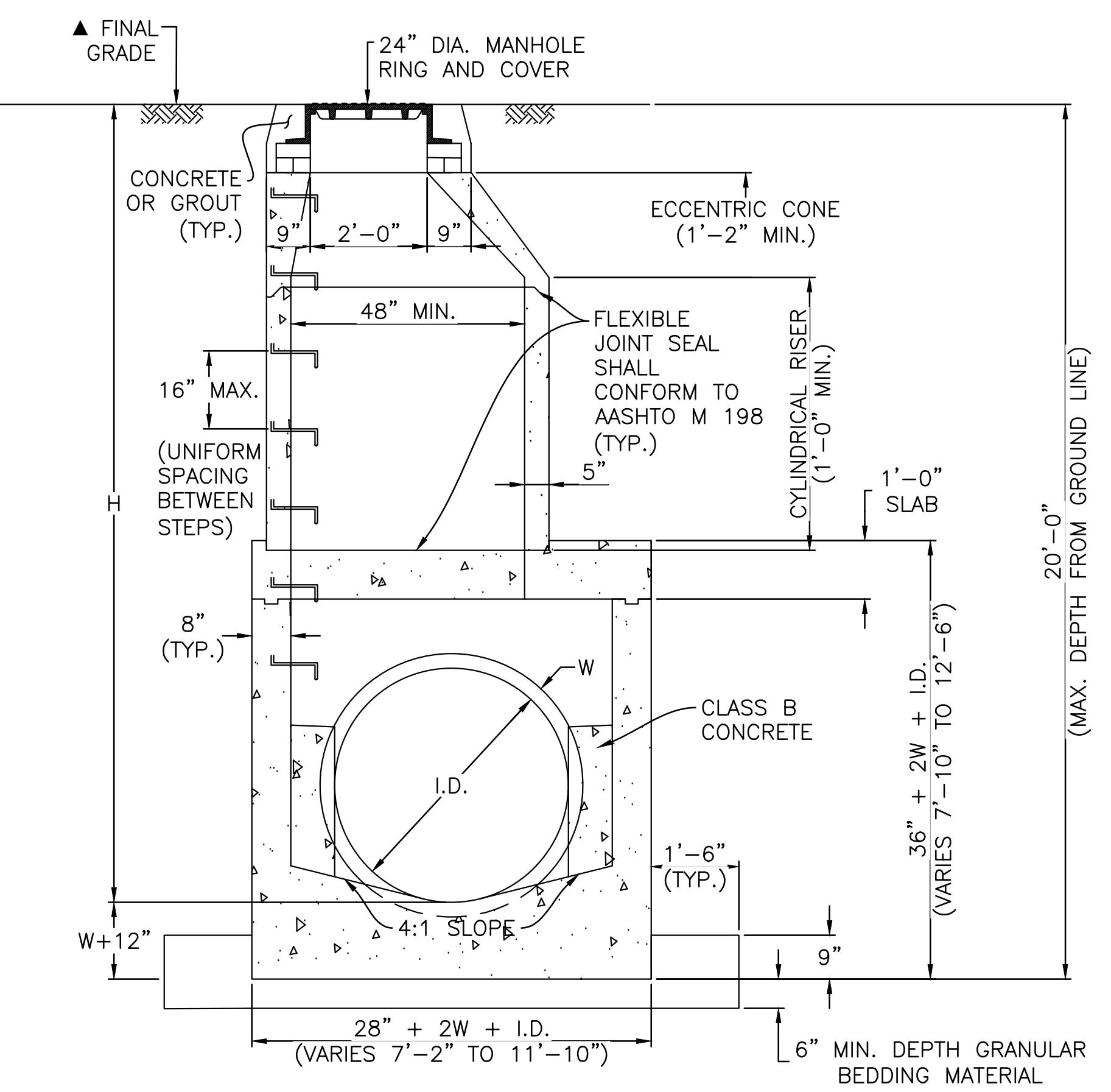


Town of Mt. Crested Butte
Gothic Recreation Path & Babbling Brook Ditch Improvements

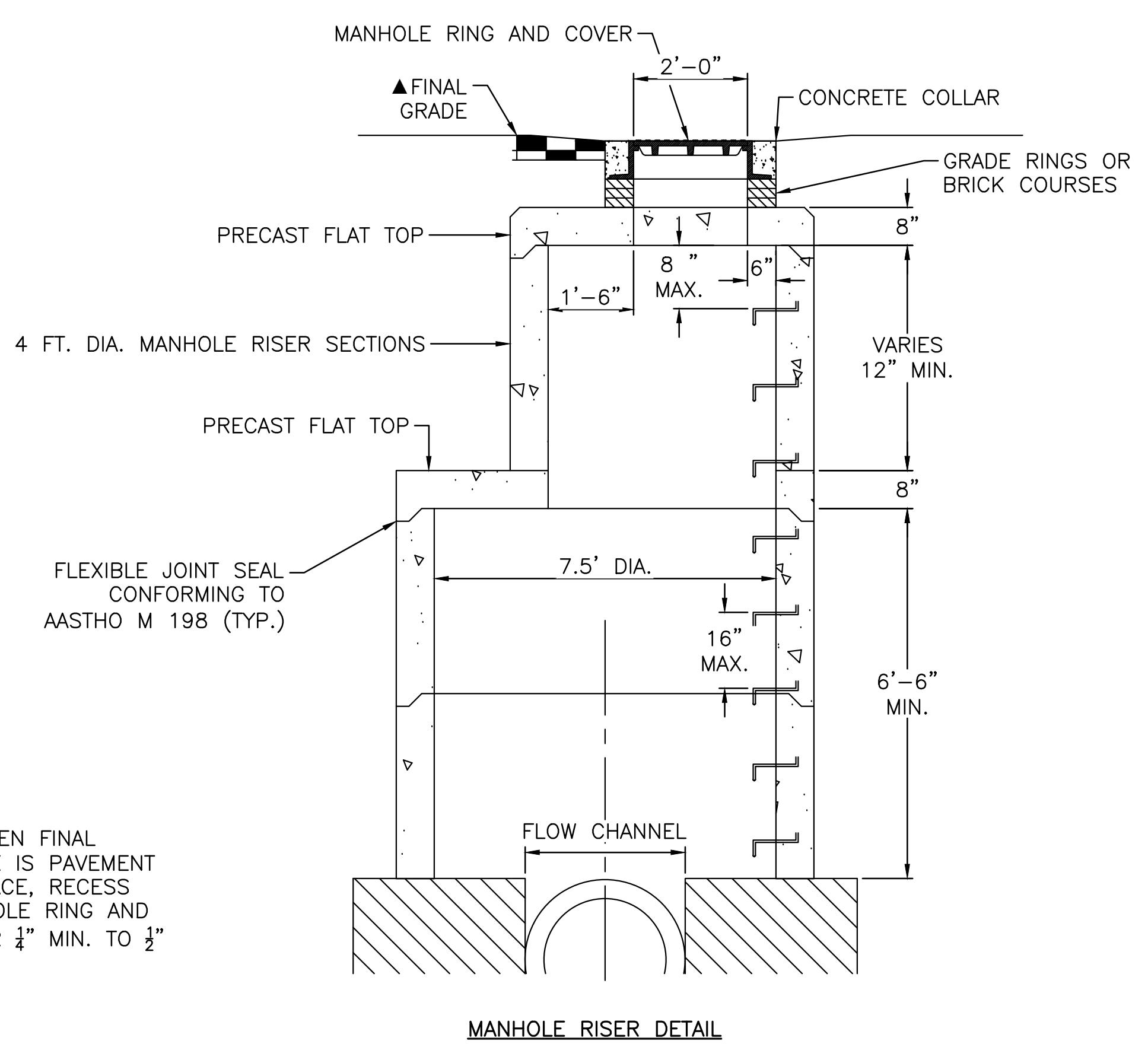
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Date:	By:
Revision:	
#:	1 2 3
Project Milestone: PRELIMINARY NOT FOR CONSTRUCTION	
Job No.:	2023-113.015
Drawn by:	MG
Print Date:	01.26.2026
QC:	JB PE: JB
File:	GothicRec-2025-Details
Title:	

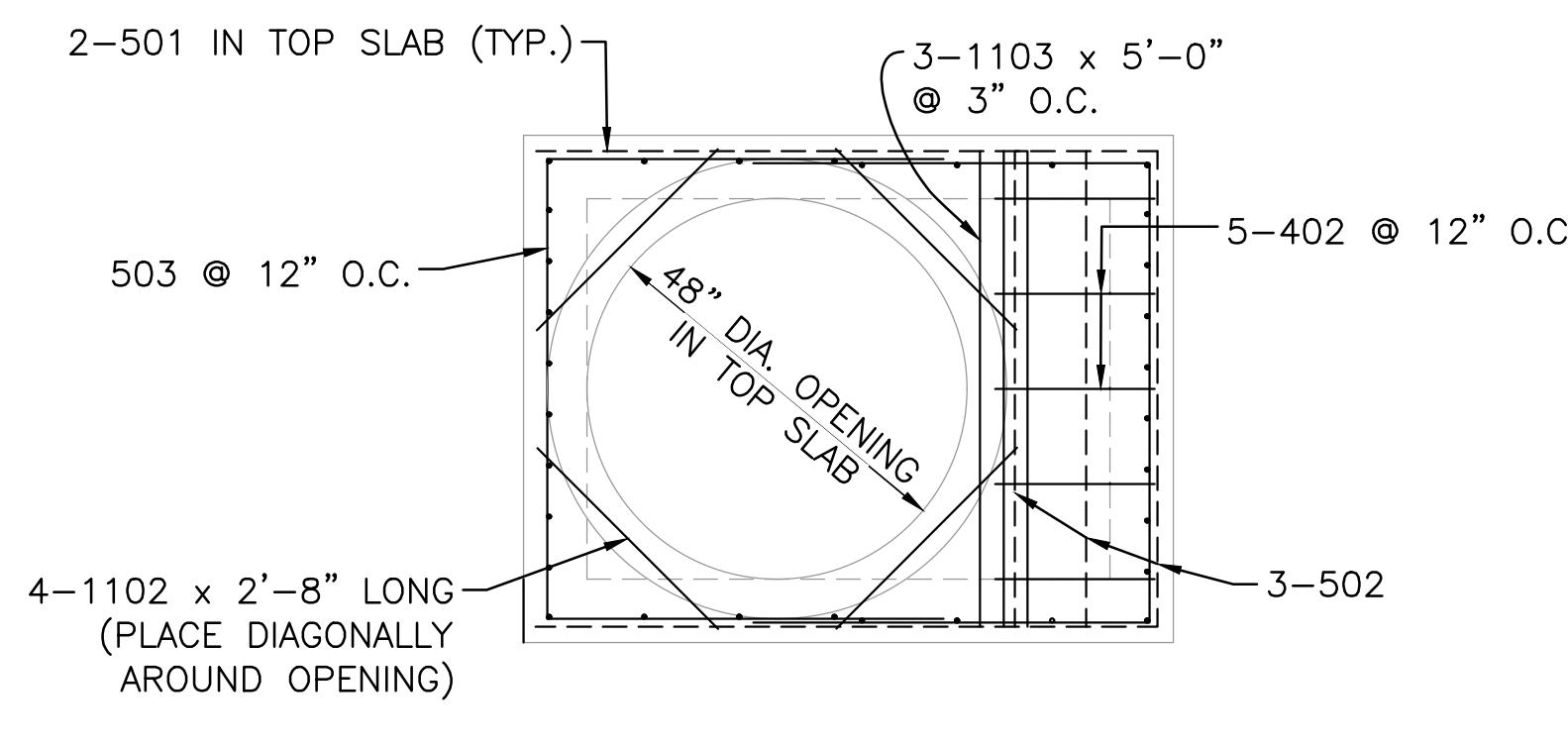
Details (1)



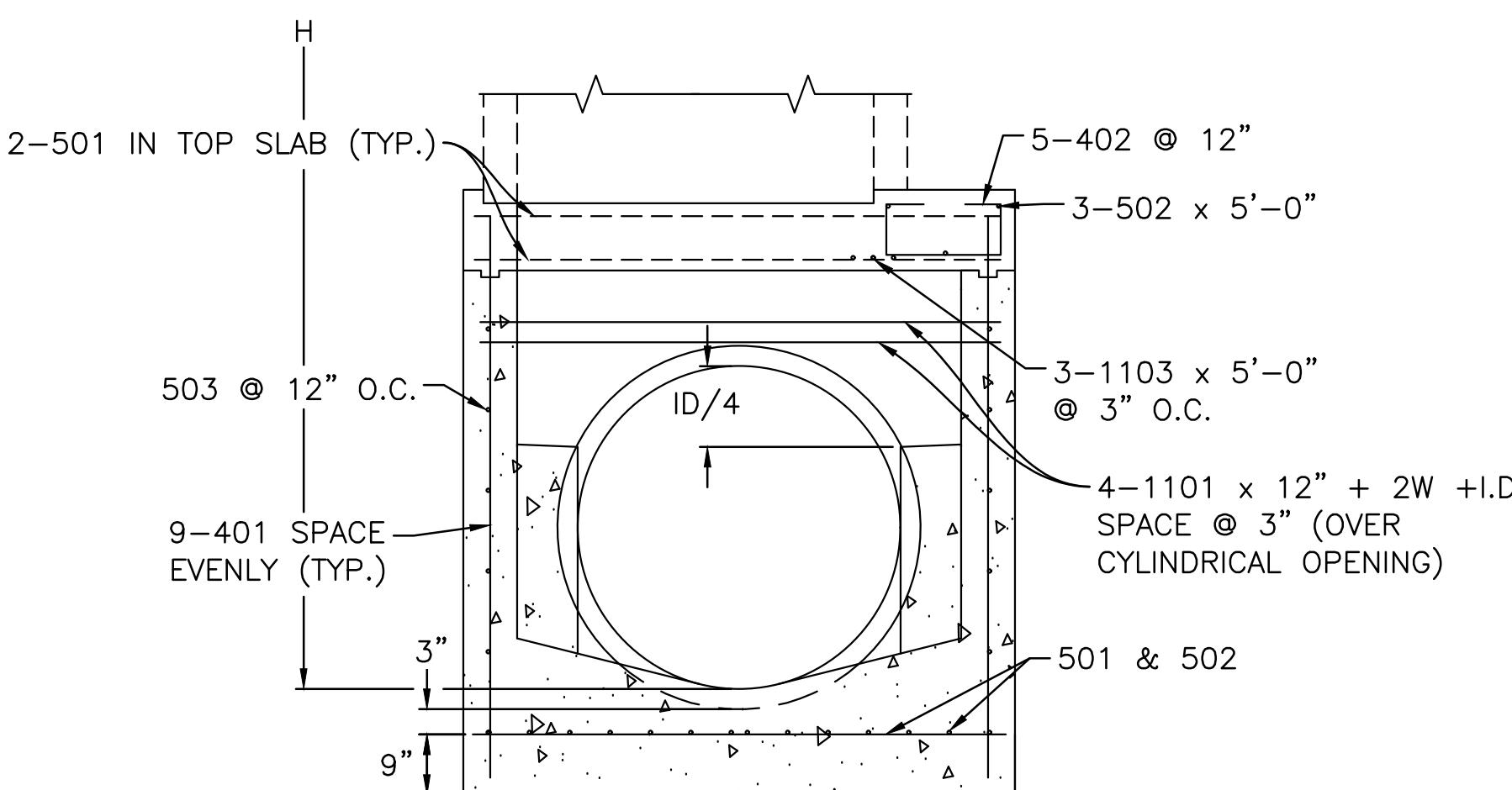
FLAT TOP SECTION DETAIL



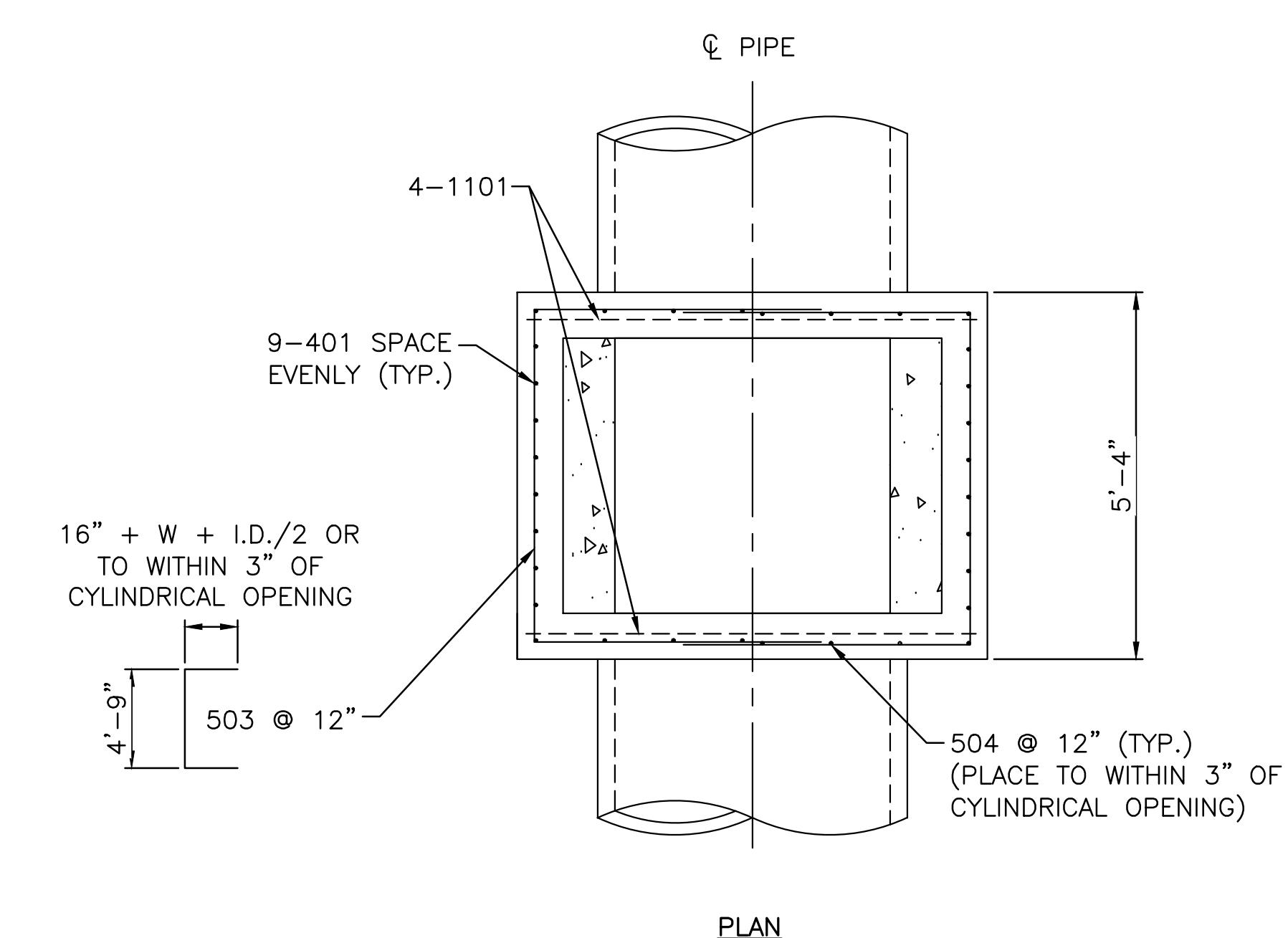
MANHOLE RISER DETAIL



TOP SLAB PLAN



SECTION



PLAN

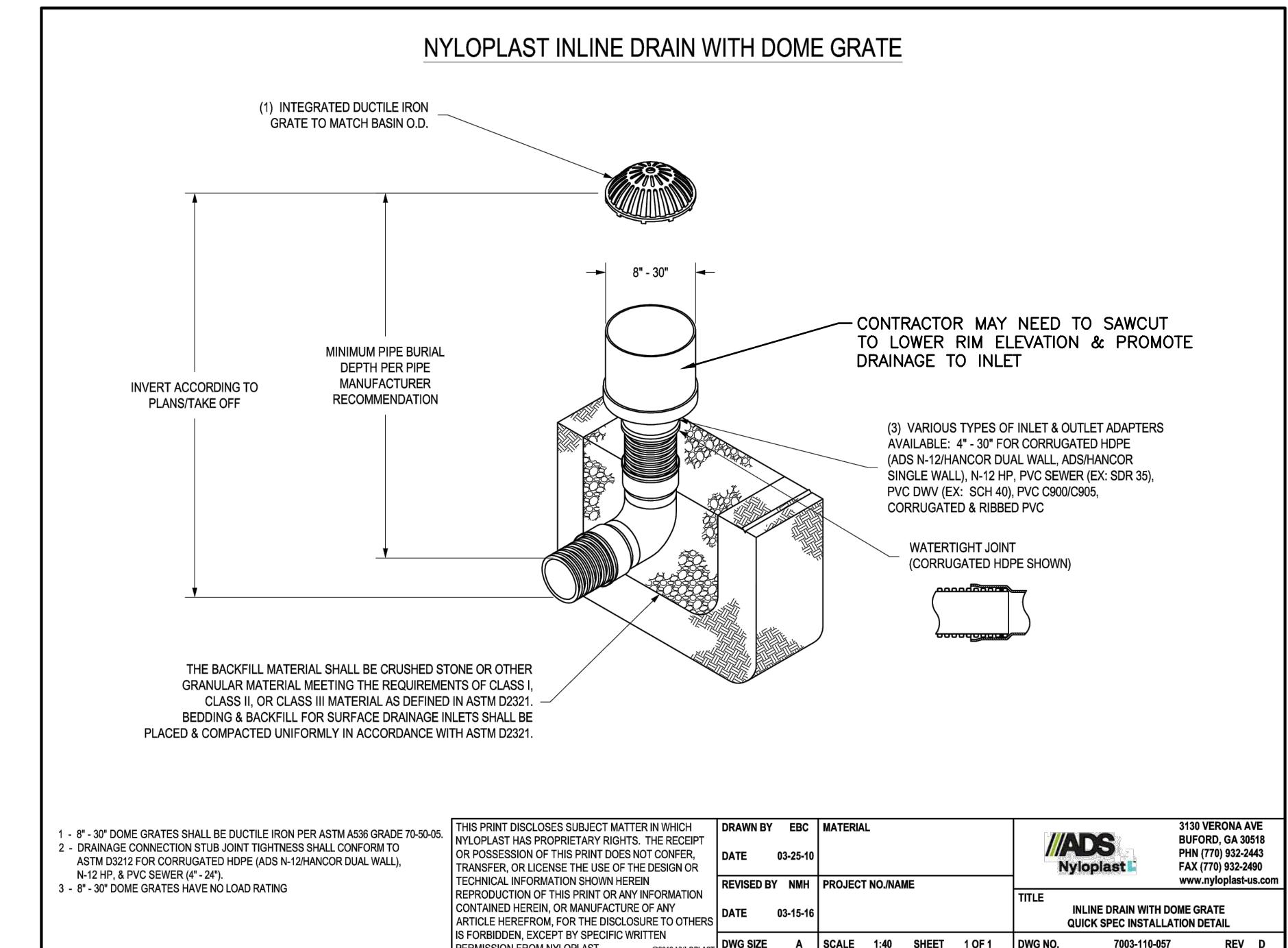
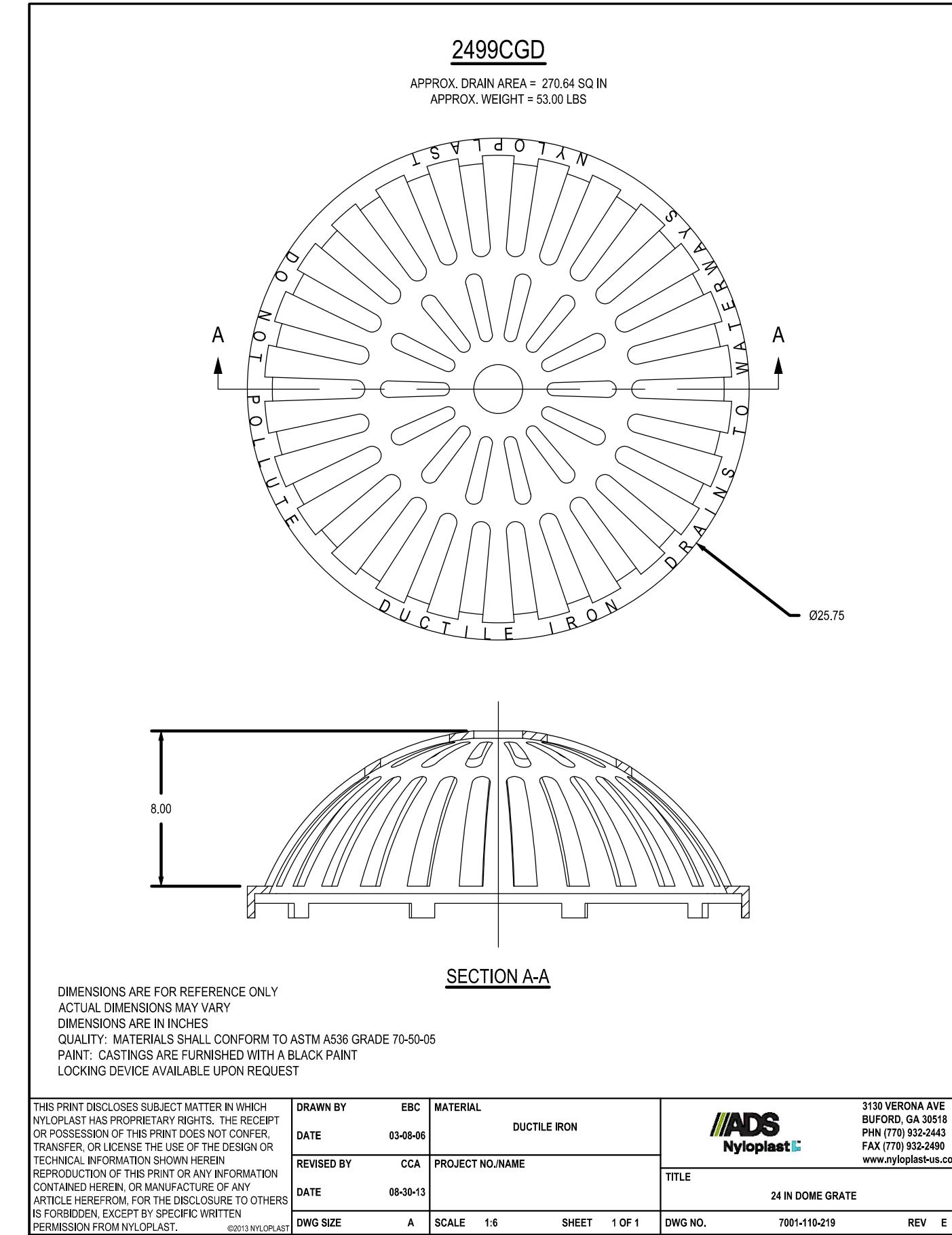
GENERAL NOTES

1. ALL MANHOLES IN PLANS TO BE FLAT TOP MANHOLES.
2. SINCE ALL PIPE ENTRIES INTO THE BASE ARE VARIABLE, THE DIMENSIONS SHOWN ARE TYPICAL. ACTUAL DIMENSIONS AND QUANTITIES FOR CONCRETE AND REINFORCEMENT SHALL BE AS REQUIRED FOR WORK.
3. THE PRECAST FLAT TOP MAY BE USED ON ANY MANHOLE. THE ECCENTRIC CONE MAY BE USED WHEN THE MANHOLE "H" HEIGHT IS AT LEAST 8 FT.
4. THE MANHOLE RING FRAME SHALL BE SET IN A BED OF GROUT. THE FRAME SHALL BE SURROUNDED WITH A CEMENT GROUT IN UNPAVED AREA, OR A CONCRETE COLLAR IN PAVED AREA. SEE DETAILS ON SHEETS 2 AND 3.
5. DESIGN OF BOX BASE IS BASED ON STRAIGHT RUNS OF PIPE OR CHANGE IN DIRECTION OF LESS THAN 45°. SPECIAL DESIGN IS REQUIRED FOR 45° OR GREATER.
6. PRECAST MANHOLES AND REINFORCEMENT SHALL CONFORM TO AASHTO M 199 (ASTM C 478).
7. CAST-IN-PLACE MANHOLES SHALL BE CLASS B CONCRETE.
8. STEPS SHALL BE REQUIRED WHEN THE MANHOLE DEPTH EXCEEDS 3 FT.-6IN. AND SHALL CONFORM TO AASHTO M 199.
9. ALL REINFORCING STEEL SHALL BE PLACED AT CENTERLINE OF WALL. ALL BARS SHALL HAVE A 2 IN. MINIMUM CLEARANCE.
10. ALL PIPE ENTRIES INTO MANHOLE SHALL BE CONNECTED BY OPEN CHANNELIZATION ADJUSTED FOR PIPE SIZE, SHAPE, SLOPE, AND DIRECTION OF FLOW. DETAILS SHOWN ARE TYPICAL FOR INSTALLATIONS WITH ALL INVERTS OF SAME RELATIVE ELEVATION. FOR EXCESSIVE ELEVATION DIFFERENCE BETWEEN INVERTS, SPECIAL BASE/CHANNEL DETAILS WILL BE SHOWN ON THE PLANS.
11. FLOW CHANNELS AND INVERTS SHALL BE FORMED BY SHAPING WITH CLASS B CONCRETE OR APPROVED GROUT.
12. STUB-OUTS SHALL EXTEND 2 FT. MINIMUM BEYOND OUTSIDE WALL SURFACE OF MANHOLE AND BE SATISFACTORILY PLUGGED.
13. THE SLOPE OF THE MANHOLE COVER SHALL MATCH THE ROADWAY PROFILE AND CROSS SLOPE.

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Date:	By:
Revision:	
#:	2
Project Milestone: PRELIMINARY NOT FOR CONSTRUCTION	
Job No.:	2023-113-015
Drawn by:	MG
Print Date:	01.26.2026
QC:	JB PE: JB
File:	GothicRec-2025-Details
Title:	Manhole Details (2)



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File:	GothicRec-2025-Details
Title:	

ADS Details (3)

Dwg No.

12

Of : 13



Ex 30 & 54 in RCP
Invert Outs Photo