

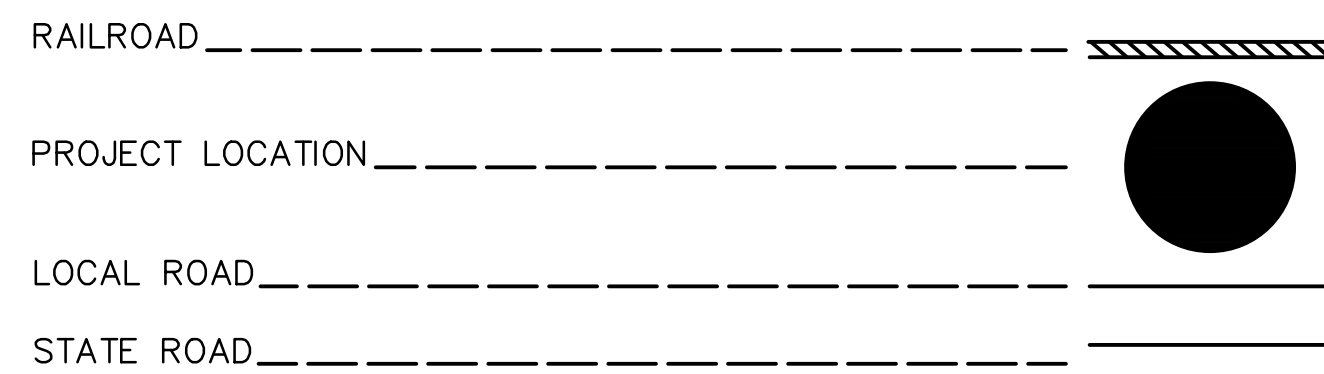
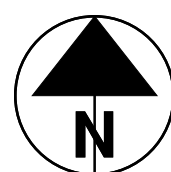
LOCATION MAP

LATITUDE: 40°52'38.07" LONGITUDE: 80°45'29.33"

1000 0 1000 2000



GRAPHIC SCALE (IN FEET)
1 inch = 1000 ft.



DESIGN DESIGNATIONS

CURRENT ADT _____
 TRUCKS (24 HOUR B&C) _____ 0% (ASSUMED)
 LEGAL SPEED _____ 15 MPH
 DESIGN FUNCTIONAL CLASSIFICATION:
 LOCAL ROAD _____
 NHS PROJECT _____ NO

DESIGN EXCEPTIONS

NONE REQUIRED

ADA DESIGN WAIVERS

NONE REQUIRED

UNDERGROUND UTILITIES

CONTACT BOTH SERVICES **TWO WORKING DAYS**
BEFORE YOU DIG.



CALL BEFORE YOU DIG
1-800-362-2764

(NON-MEMBERS MUST BE CALLED DIRECTLY)
 OIL & GAS PRODUCERS
 UNDERGROUND PROTECTION SERVICE
 1-800-925-0988

PLAN PREPARED BY:
 HERBERT, ROWLAND, & GRUBIC, INC.
 220 W KENSINGER DRIVE,
 CRANBERRY TOWNSHIP,
 PENNSYLVANIA 16066

PLANS FOR CONSTRUCTION FIRESTONE PARK PHASE 2 IMPROVEMENTS

CITY OF COLUMBIANA
 COLUMBIANA COUNTY

PID #121990
 STAGE 3 PLANS

INDEX OF SHEETS:

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PROJECT DESCRIPTION

IMPROVEMENT OF 0.64 MILES OF FIRESTONE PARK ROADWAY FROM SPRINGFIELD ROAD TO EAST PARK AVENUE: REMOVE AND STORE BRICK GUTTER FOR REUSE, INSTALL DRAINAGE, INSTALL SIDEWALK, REPLACE PAVEMENT, PLACE PAVEMENT MARKINGS AND SIGNAGE.

TRAFFIC NOT REROUTED

THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF ADJACENT ROADWAYS AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

2023 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS AND CHANGES LISTED IN THE PROPOSAL SHALL SHALL GOVERN THIS IMPROVEMENT.

FAN # - E241(040)

EARTH DISTURBANCE AREAS

PROJECT EARTH DISTURBED AREA = 0.83 ACRES
 ESTIMATED CONTRACTOR EARTH DISTURBED AREA = 0.13 ACRES
 NOTICE OF INTENT EARTH DISTURBED AREA = N/A

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING IF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET ON THE PLANS AND ESTIMATES.

APPROVED: _____

DATE: _____

APPROVED: _____

DATE: _____

APPROVED: _____

DATE: _____

ENGINEERS SEAL:	OHIO DEPARTMENT OF TRANSPORTATION STANDARD CONSTRUCTION DRAWINGS	SUPPLEMENTAL SPECIFICATIONS
	BP-3.1	1/19/24
	BP-5.1	7/18/25
	BP-7.1	7/18/25
	DM-1.2	1/17/25
	DM-4.3	1/15/16
	DM-4.4	1/15/16
	MT-97.12	1/20/17
	MT-105.10	1/17/20
	TC-52.10	10/18/13
	TC-52.20	1/15/21

SIGNED: Darren Scott Myer
 DATE: 03/03/2026

PID NO.
121990

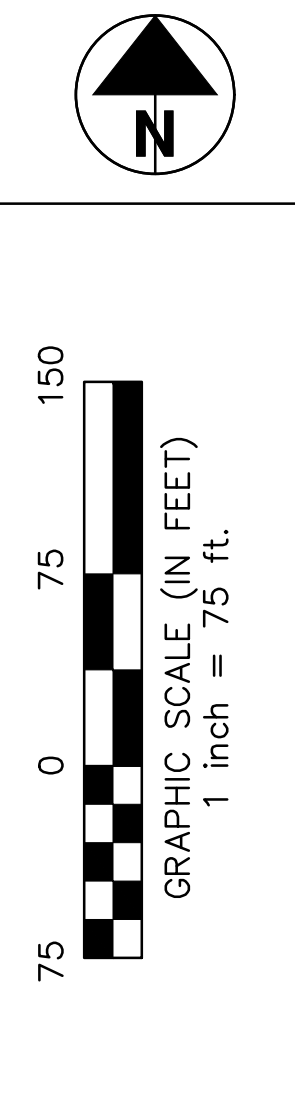
COVER SHEET
 FIRESTONE PARK
 PHASE 2 IMPROVEMENTS
 COLUMBIANA COUNTY, OHIO

HERBERT, ROWLAND & GRUBIC, INC.
 220 WEST KENSINGER DRIVE
 SUITE 100
 CRANBERRY TOWNSHIP, PA 16066
 724.779.4777 | hrg-inc.com

HRG

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 JOB NO: R006889.0438
 DESIGN: BJH
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 1 OF 13

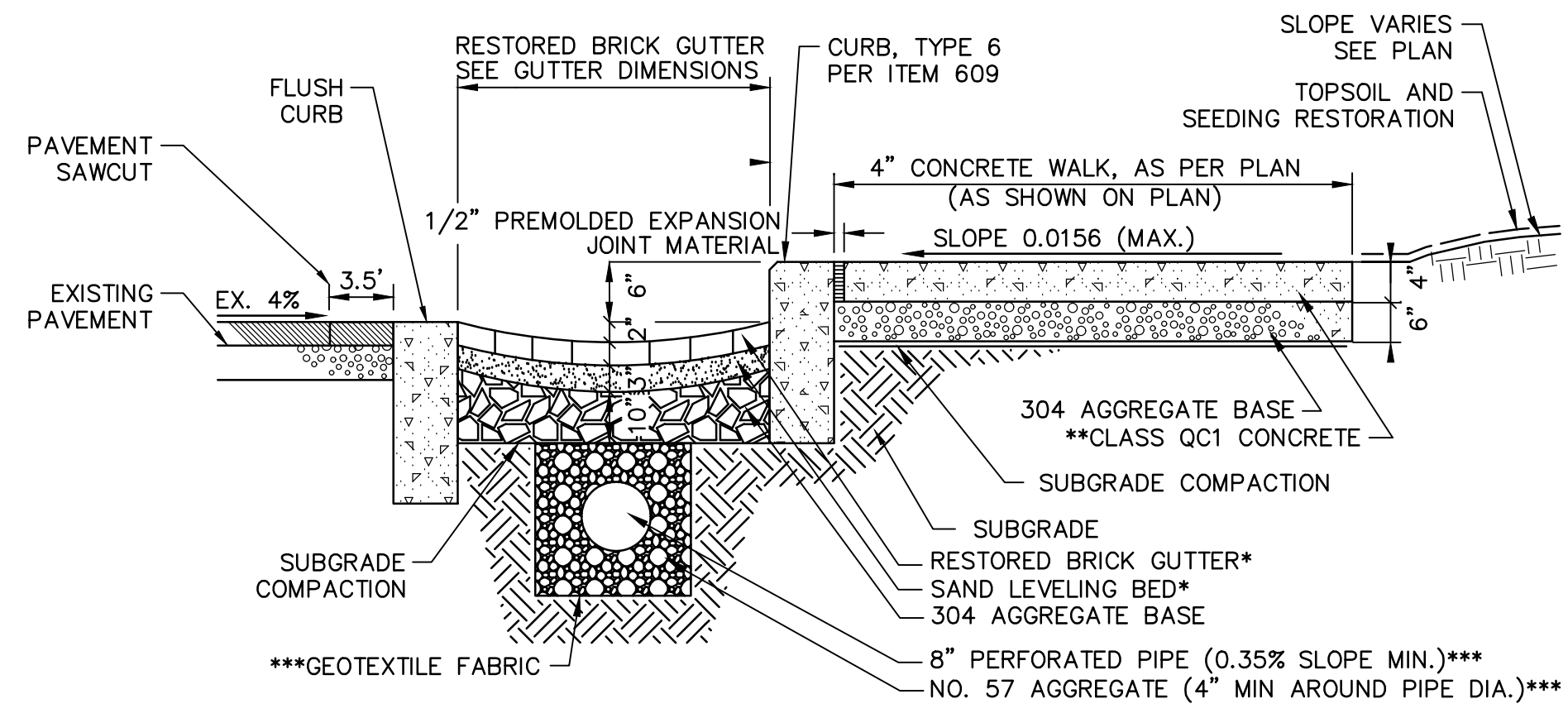
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SCHEMATIC PLAN
FIRESTONE PARK
 PHASE 2 IMPROVEMENTS
 COLUMBIANA COUNTY, OHIO

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 2 OF 13

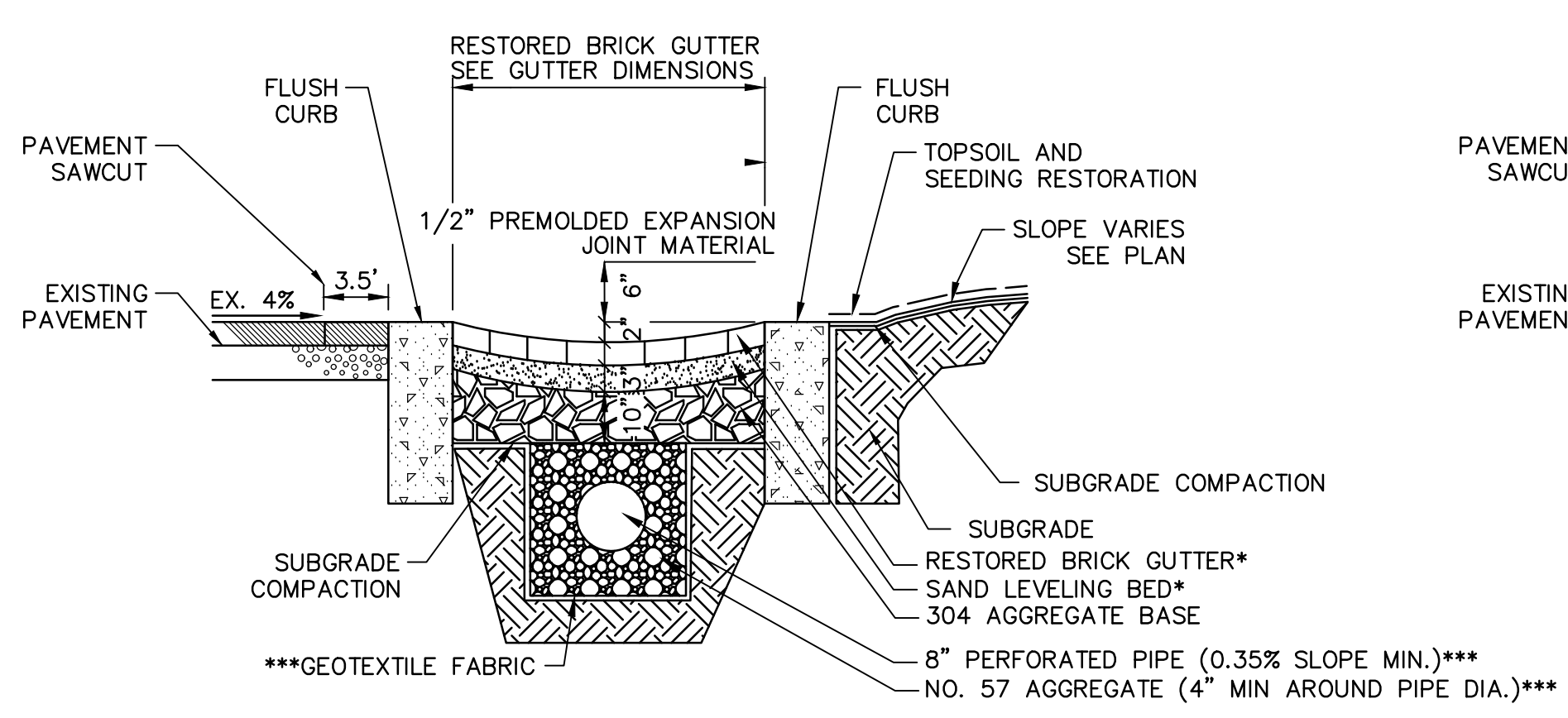


NOTE:
 1. SIDEWALK TO HAVE MEDIUM BROOM FINISH PERPENDICULAR TO DIRECTION OF PEDESTRIAN TRAFFIC.
 2. CONSTRUCT IN ACCORDANCE WITH CITY OF COLUMBIANA STANDARDS.
 3. SEE SITE PLAN FOR SIDEWALK LOCATION.

GUTTER REHABILITATION DETAIL

N.T.S.
 STA 10+05.25 TO STA 15+83.87

*INCIDENTAL TO RESTORED BRICK GUTTER
 **INCIDENTAL TO 4" CONCRETE WALK, AS PER PLAN
 ***INCIDENTAL TO 8" BASE PIPE UNDERDRAIN WITH GEOTEXTILE FABRIC

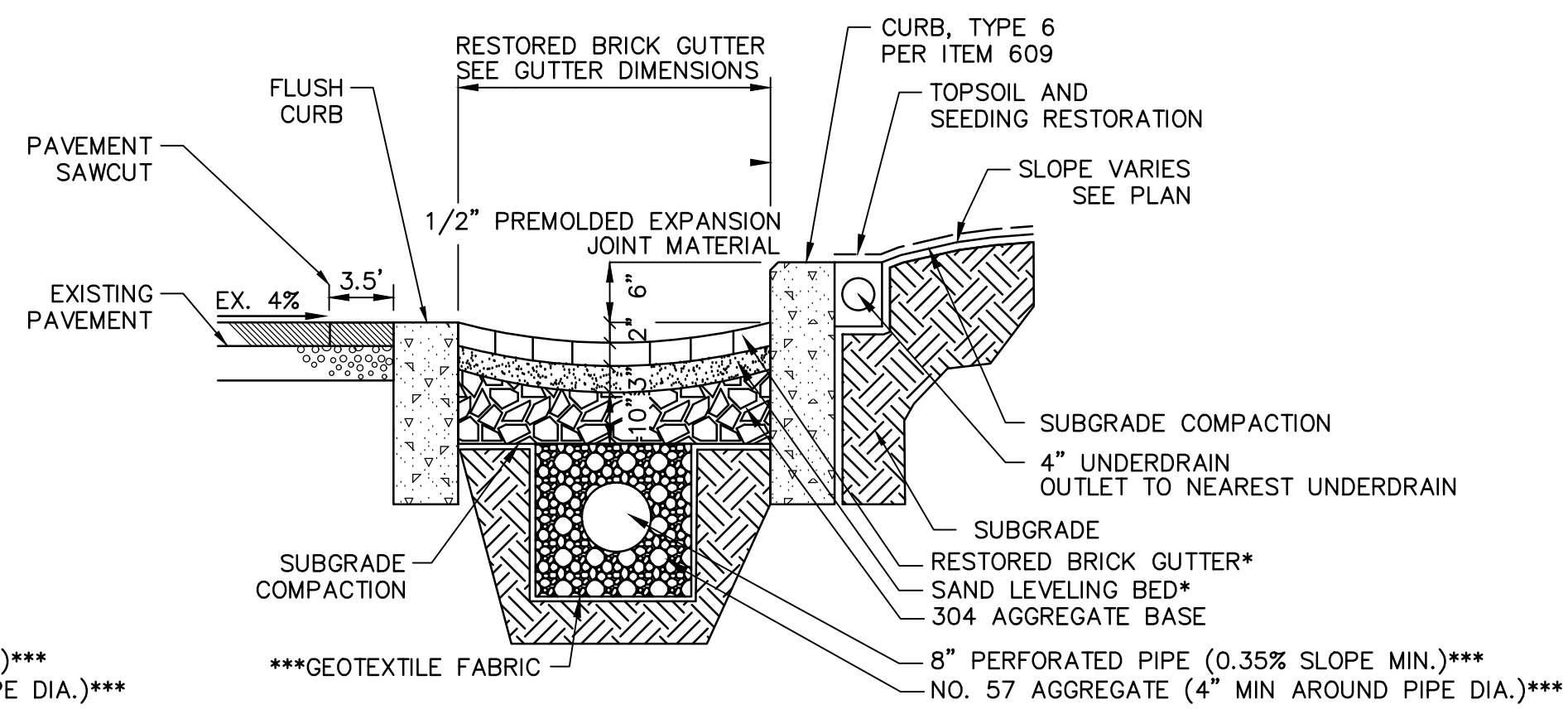


NOTE:
 1. SIDEWALK TO HAVE MEDIUM BROOM FINISH PERPENDICULAR TO DIRECTION OF PEDESTRIAN TRAFFIC.
 2. CONSTRUCT IN ACCORDANCE WITH CITY OF COLUMBIANA STANDARDS.
 3. SEE SITE PLAN FOR SIDEWALK LOCATION.

GUTTER REHABILITATION DETAIL

N.T.S.
 STA 0+73.63 TO STA 1+61.11

*INCIDENTAL TO RESTORED BRICK GUTTER
 **INCIDENTAL TO 4" CONCRETE WALK, AS PER PLAN
 ***INCIDENTAL TO 8" BASE PIPE UNDERDRAIN WITH GEOTEXTILE FABRIC



NOTE:
 1. SIDEWALK TO HAVE MEDIUM BROOM FINISH PERPENDICULAR TO DIRECTION OF PEDESTRIAN TRAFFIC.
 2. CONSTRUCT IN ACCORDANCE WITH CITY OF COLUMBIANA STANDARDS.
 3. SEE SITE PLAN FOR SIDEWALK LOCATION.

GUTTER REHABILITATION DETAIL

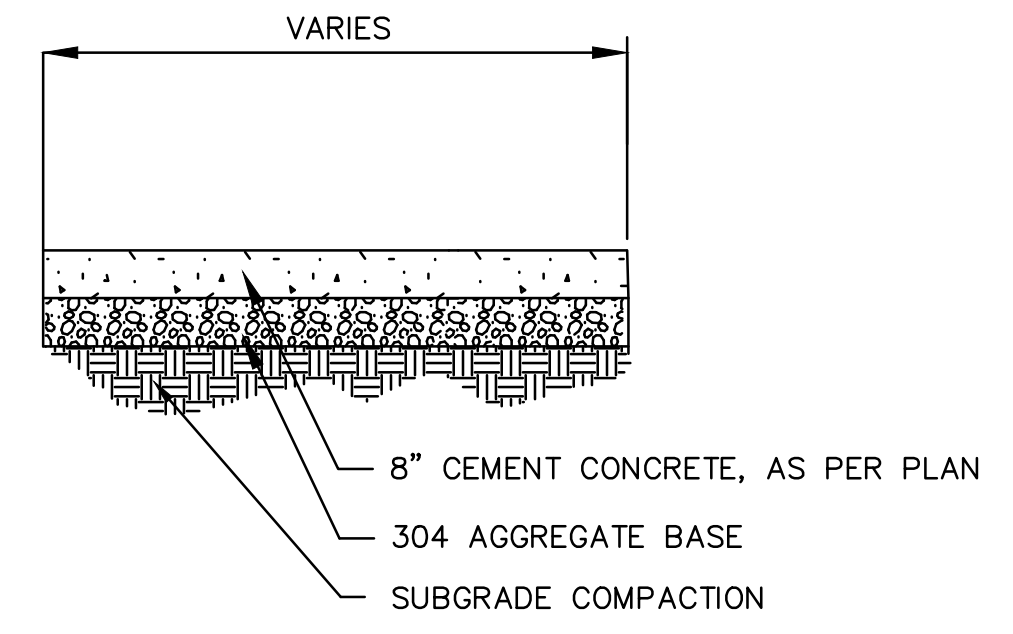
N.T.S.
 STA 3+64.83 TO STA 7+84.63
 STA 7+93.12 TO STA 8+28.64
 STA 8+35.79 TO STA 8+57.10
 STA 8+78.53 TO STA 10+05.25
 STA 15+83.87 TO STA 16+56.43
 STA 25+45.06 TO STA 25+87.45
 STA 26+88.27 TO STA 28+22.04

*INCIDENTAL TO RESTORED BRICK GUTTER
 **INCIDENTAL TO 4" CONCRETE WALK, AS PER PLAN
 ***INCIDENTAL TO 8" BASE PIPE UNDERDRAIN WITH GEOTEXTILE FABRIC

GUTTER	WIDTH (FT)
GUTTER A	3
GUTTER B	2.5
GUTTER C	2
GUTTER D	2
GUTTER E	2.5
GUTTER F	2
GUTTER G	3
GUTTER H	2.5

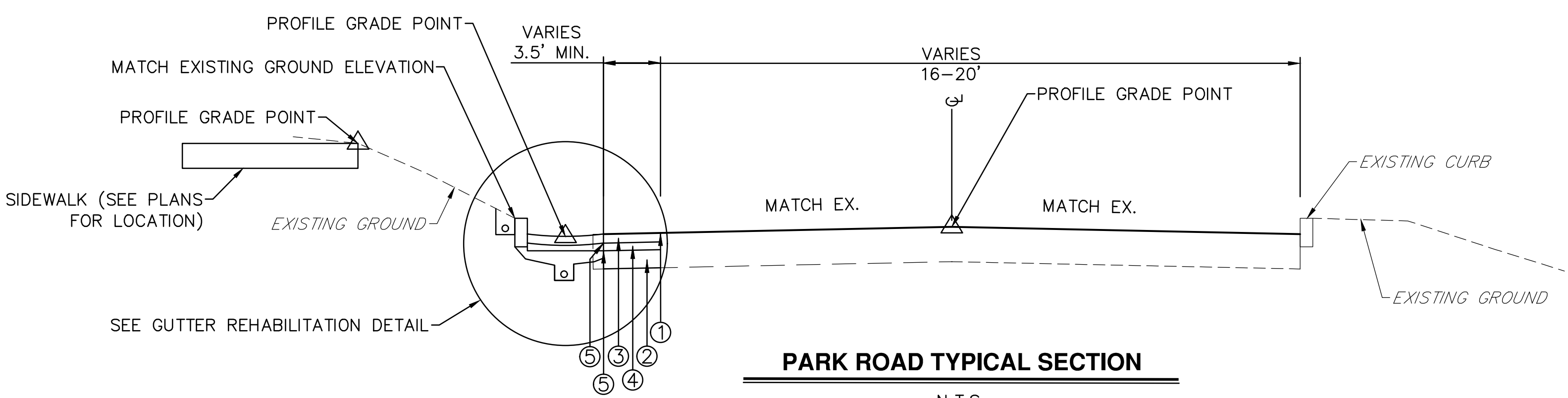
NOTE:
 1. GUTTER WIDTH TO MATCH WHOLE BRICK SIZES TO NEAREST 6".

GUTTER DIMENSIONS



CONCRETE PAD DETAILS

N.T.S.

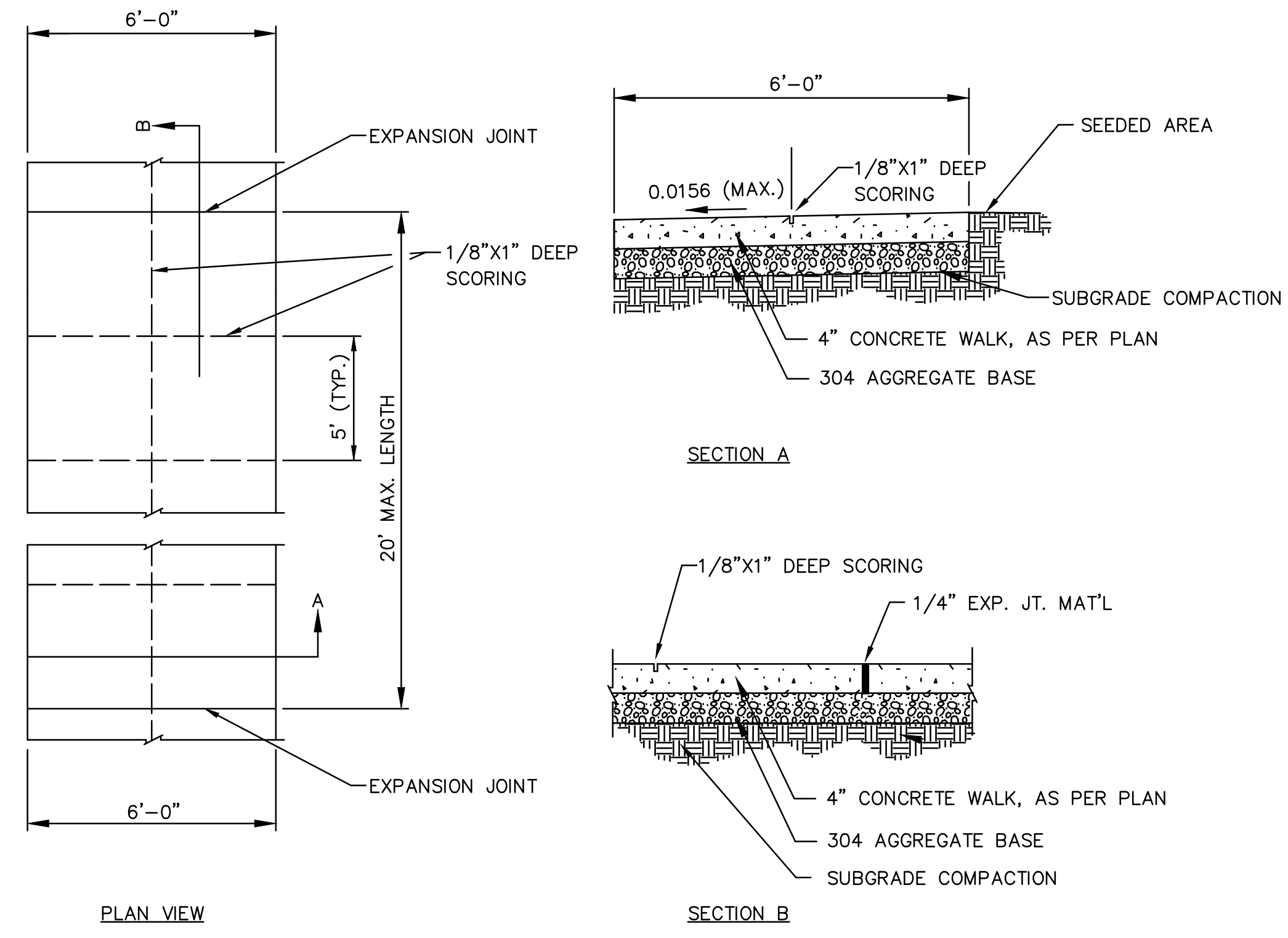


PARK ROAD TYPICAL SECTION

N.T.S.

LEGEND

①	252	FULL DEPTH PAVEMENT SAWING
②	304	AGGREGATE BASE, 6"
③	441	ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (449), 1.25" DEPTH
④	441	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2 (449), 1.75" DEPTH
⑤	407	NON-TRACKING TACK COAT



CONCRETE SIDEWALK DETAILS

N.T.S.

TYPICAL SECTIONS AND DETAILS

FIRESTONE PARK
 PHASE 2 IMPROVEMENTS

COLUMBIANA COUNTY, OHIO

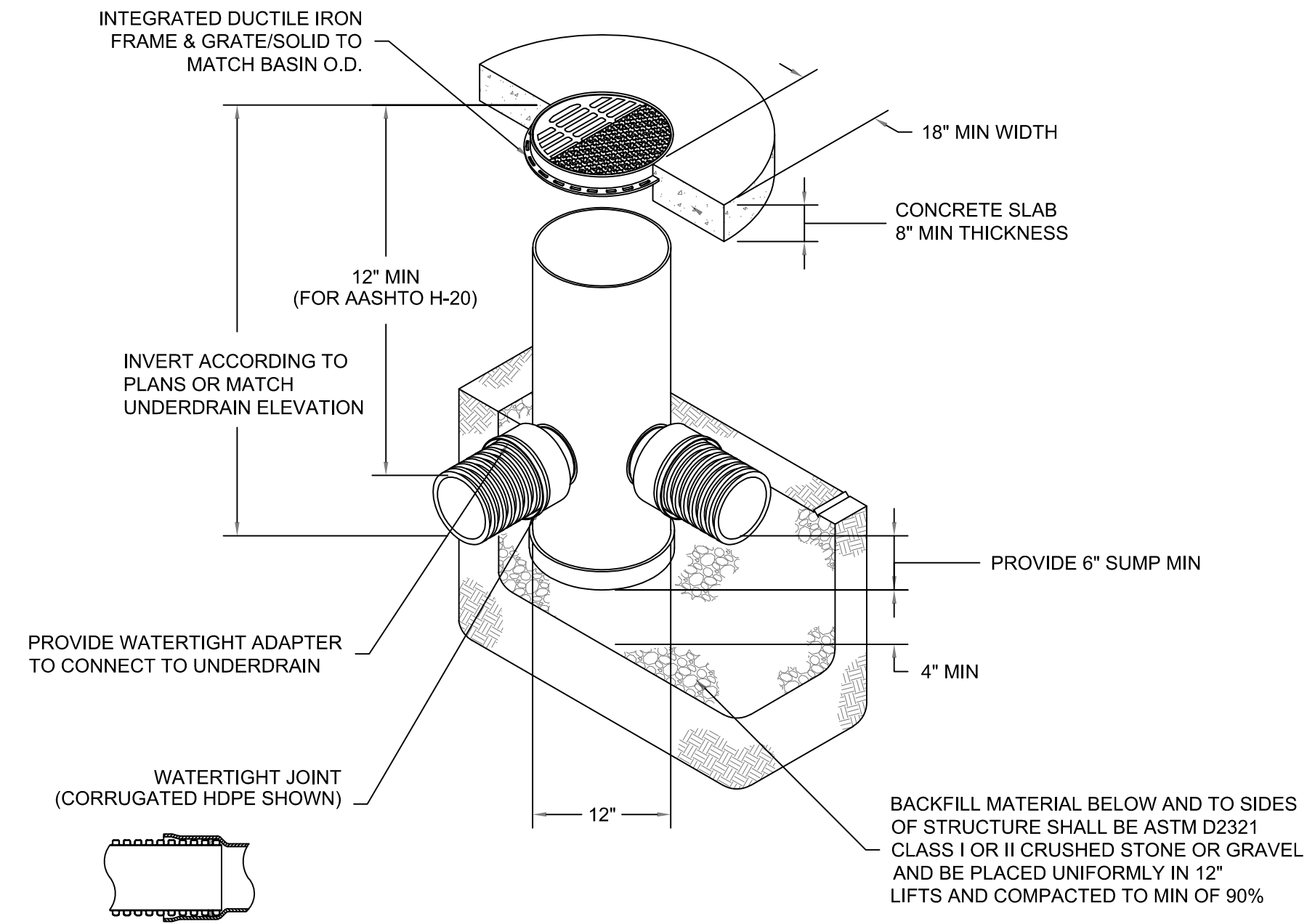
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 3 OF 13

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NOTES

1. GRATES/SOLID COVERS SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05
2. FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05
3. DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE & SDR 35 PVC

12" DRAIN DETAIL
 NTS
 DETAIL FOR INLETS 1,3,4,5,8, 11-16

TYPICAL SECTIONS AND DETAILS

FIRESTONE PARK

PHASE 2 IMPROVEMENTS

COLUMBIANA COUNTY, OHIO

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DESIGN:	BLH
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SHEET NO.	4 OF 13

CONSTRUCTION NOISE

ACTIVITIES AND LAND USE ADJACENT TO THIS PROJECT MAY BE AFFECTED BY CONSTRUCTION NOISE. IN ORDER TO MINIMIZE ANY ADVERSE CONSTRUCTION NOISE IMPACTS, DO NOT OPERATE POWER-OPERATED CONSTRUCTION-TYPE DEVICES AS REQUIRED BY LOCAL ORDINANCE. IN ADDITION, DO NOT OPERATE ANY DEVICE IN SUCH A MANNER THAT THE NOISE CREATED SUBSTANTIALLY EXCEEDS THE NOISE CUSTOMARILY AND NECESSARILY ATTENDANT TO THE REASONABLE AND EFFICIENT PERFORMANCE OF SUCH EQUIPMENT. CONTRACTOR SHALL ADHERE TO ALL NOISE ORDINANCES PER LOCAL CODE. NO WORK IS TO BE PERFORMED BETWEEN 7 PM AND 7 AM TO LIMIT NOISE.

WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

PROTECTION OF LANDSCAPING

CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE TO EXISTING FEATURES SCHEDULED TO REMAIN.

CONSTRUCT ALL ACTIVITIES, EQUIPMENT STORAGE, AND STAGING TO WITHIN THE CONSTRUCTION LIMITS. UNLESS OTHERWISE IDENTIFIED IN THE PLANS OR PROPOSAL, THE CONSTRUCTION LIMITS ARE MAINTAINED WITHIN THE RIGHT OF WAY.

SUBMIT A WRITTEN REQUEST TO THE PROJECT ENGINEER TO USE ANY AREA OUTSIDE THESE LIMITS. THE DOCUMENT SUBMITTED MUST CLEARLY IDENTIFY THE AREA AND EXPLAIN THE PROPOSED USE AND RESTORATION OF THE AREA. USE OF THESE AREAS FOR DISPOSAL OF WASTE MATERIAL AND CONSTRUCTION DEBRIS, EXCAVATION OF BORROW MATERIAL AND PLACEMENT OF PORTABLE PLANTS IS PROHIBITED. THE REQUEST MUST BE APPROVED, IN WRITING, BEFORE THE CONTRACTOR HAS PERMISSION TO USE THE AREA.

ANY ITEMS DAMAGED BEYOND THE CONSTRUCTION LIMITS AS DEFINED ABOVE WILL BE REPLACED IN KIND OR AS APPROVED BY THE PROJECT ENGINEER.

CHANNEL EMBANKMENTS

FILL AND SLOPE PORTIONS OF THE EXISTING CHANNEL TO DRAIN AS SHOWN IN THESE PLANS. IN CHANNEL EMBANKMENT AREAS WHICH WILL NOT SUPPORT ANY PORTION OF THE NEW ROAD BED OR STRUCTURAL EMBANKMENTS, THE CONTRACTOR MAY UTILIZE EMBANKMENT METHODS MEETING THE FOLLOWING REQUIREMENTS.

CLEAR ALL WEEDS AND BRUSH IN AREAS WHERE CHANNEL EMBANKMENTS ARE TO BE PLACED. THE REQUIREMENTS FOR MOISTURE, DENSITY CONTROL, BENCHING AND SUITABLE MATERIALS IS WAIVED. PLACE THE MATERIAL IN 8-INCH LOOSE LIFTS. THE ENGINEER MAY INCREASE THE LIFT THICKNESS IN ORDER TO BRIDGE THE SOFT OR WET FOUNDATIONS DEPENDING ON THE STABILITY OF THE FOUNDATION. THE ENGINEER MAY INCREASE THE LIFT THICKNESS UP TO 24 INCHES TO OBTAIN STABILITY AT THE TOP OF THE LIFT.

ALL LINEAR GRADING MUST BE DONE IN A MANNER TO MATCH THE EXISTING FLOW LINE IN ORDER TO KEEP ROADSIDE DITCHES AS SHALLOW AS POSSIBLE.

MAINTAINING TRAFFIC

ONE LANE OF TRAFFIC SHALL BE MAINTAINED DURING GUTTER REHABILITATION AND SIDEWALK CONSTRUCTION. THE CLOSURE OF THE ROADWAY SHALL BE PERMITTED DURING THE PROJECT FOR FINAL PAVING ONLY; HOWEVER, CLOSURE TIME SHALL BE LIMITED TO WEEK DAYS. INGRESS AND EGRESS TO ALL DRIVEWAYS SHALL BE MAINTAINED AT ALL TIMES. IN ADDITION, SECTION 104.04 (MAINTENANCE OF TRAFFIC) AND SECTION 107.10 (TEMPORARY TRAFFIC CONTROL DEVICES) OF THE OHIO DEPARTMENT OF TRANSPORTATION, CONSTRUCTION AND MATERIAL SPECIFICATIONS, SHALL BE IN FORCE DURING THE ENTIRE LIFE OF CONSTRUCTION, SIGNS AND BARRICADES SHALL BE IN ACCORDANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC, UNLESS SEPERATELY ITEMIZED IN THE PLAN.

UTILITIES

THERE ARE NO UNDERGROUND UTILITIES SHOWN ON THIS PLAN. THE NATURE OF THE WORK REQUIRED BY THIS PROJECT WILL NOT AFFECT ANY UNDERGROUND UTILITIES THAT MAY EXIST UNDER OR ADJACENT TO THE WORK AREA. THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS AS REQUIRED BY SECTION 153.64 O.R.C.

UTILITIES NOTIFICATION

AT LEAST TWO WORKING DAYS PRIOR TO COMMENCING CONSTRUCTION OPERATIONS IN AN AREA WHICH MAY INVOLVE UNDERGROUND UTILITY FACILITIES, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER, THE REGISTERED UTILITY PROTECTION SERVICE AND THE OWNERS OF EACH UNDERGROUND UTILITY FACILITY SHOWN IN THE PLANS. THE OWNER OF THE UNDERGROUND UTILITY FACILITY SHALL, WITHIN FORTY-EIGHT HOURS, EXCLUDING SATURDAYS, SUNDAYS, AND LEGAL HOLIDAYS, AFTER NOTICE IS RECEIVED, STAKE, MARK OR OTHERWISE DESIGNATE THE LOCATION OF THE UNDERGROUND UTILITY FACILITIES IN THE CONSTRUCTION AREA IN SUCH A MANNER AS TO INDICATE THEIR COURSE TOGETHER WITH THE APPROXIMATE DEPTH AT WHICH THEY WERE INSTALLED. THE MARKING OR LOCATING SHALL BE COORDINATED TO STAY APPROXIMATELY TWO DAYS AHEAD OF THE PLANNED CONSTRUCTION.

CLEAN-UP

TEMPORARY SOIL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE REMOVED ONCE 70% GROWTH HAS BEEN ESTABLISHED.

TRAFFIC SIGNS AND SUPPORTS

SIGN AND SUPPORT INSTALLATION SHALL BE IN ACCORDANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

SEEDING AND MULCHING

APPLY SEEDING AND MULCHING TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT-OF-WAY LINES, AND WITHIN THE CONSTRUCTION LIMITS FOR AREAS OUTSIDE THE RIGHT-OF-WAY LINES COVERED BY WORK AGREEMENT OR TEMPORARY EASEMENT. QUANTITY CALCULATIONS FOR SEEDING AND MULCHING ARE BASED ON THESE LIMITS.

SPECIFICATIONS AND STANDARD CONSTRUCTION DRAWINGS

THIS PROJECT SHALL FOLLOW THE LATEST STATE OF OHIO DEPARTMENT OF TRANSPORTATION, CONSTRUCTION AND MATERIALS SPECIFICATIONS, AND THE STANDARD CONSTRUCTION DRAWINGS NOTED IN THIS PLAN SET ON THE TITLE SHEET.

EXISTING CONDITIONS

EXISTING ROADS, DRIVEWAYS AND STRUCTURES SHOWN SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. NECESSARY PRECAUTIONS SHALL BE TAKEN BY THE CONTRACTOR TO LOCATE AND PROTECT EXISTING UTILITY SERVICES AND MAINS. ANY DISCREPANCIES BETWEEN THE PLANS AND ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE FIELD ENGINEER PRIOR TO CONSTRUCTION.

CONSTRUCTION

FAILURE TO SPECIFICALLY MENTION ANY WORK WHICH WOULD NORMALLY BE REQUIRED TO COMPLETE THE PROJECT SHALL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO PERFORM SUCH WORK. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES AND SAFETY PRECAUTIONS AND PROGRAMS. THE CONTRACTOR IS RESPONSIBLE FOR TRANSITIONS TO DRIVEWAYS, DRAINAGE STRUCTURES AND OTHER ROADSIDE FEATURES. METAL TRENCH PLATES ARE REQUIRED FOR ALL JOBS INVOLVING CULVERT REPLACEMENT. TRENCH PLATES MUST BE PRESENT ON SITE AND READY FOR IMMEDIATE USE PRIOR TO ROADWAY EXCAVATION.

SECTION 4(F)

ACCESS TO FIRESTONE PARK SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION ACTIVITIES.

TEMPORARY CONSTRUCTION FENCING SHALL BE INSTALLED ALONG PROPOSED CONSTRUCTION LIMITS PRIOR TO THE START OF CONSTRUCTION ACTIVITIES TO PROTECT THE EXISTING 4(F) PROPERTY AND THE PUBLIC.

APPROPRIATE SIGNAGE SHALL BE INSTALLED TO ALERT USERS OF FIRESTONE PARK OF CONSTRUCTION ACTIVITIES, ACCESS RESTRICTIONS OR CLOSURES, AND TO DIRECT USERS TO SECONDARY ACCESS POINTS.

THE CONTRACTOR SHALL CLOSELY COORDINATE THE CONSTRUCTION SCHEDULE WITH ODOT AND THE CITY OF COLUMBIANA PRIOR TO THE START OF CONSTRUCTION ACTIVITIES

THE STAGING AND/OR STORAGE OF CONSTRUCTION EQUIPMENT OR MATERIALS SHALL NOT TAKE PLACE OUTSIDE PROPOSED CONSTRUCTION LIMITS THAT ARE WITHIN THE DEFINED BOUNDARIES OF THE 4(F) PROPERTY.

CROSSINGS AND CONNECTIONS TO EXISTING PIPES AND UTILITIES

WHERE PLANS PROVIDE FOR A PROPOSED CONDUIT TO BE CONNECTED TO, OR CROSS OVER OR UNDER AN EXISTING SEWER OR UNDERGROUND UTILITY, THE CONTRACTOR SHALL LOCATE THE EXISTING PIPES OR UTILITIES BOTH AS TO LINE AND GRADE BEFORE STARTING TO LAY PROPOSED CONDUIT.

IF IT IS DETERMINED THAT THE ELEVATION OF THE EXISTING CONDUIT, OR EXISTING APPURTENANCE TO BE CONNECTED, DIFFERS FROM THE PLAN ELEVATION OR RESULTS IN A CHANGE IN THE PLAN CONDUIT SLOPE, THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WILL BE AFFECTED BY THE VARIANCE IN THE EXISTING ELEVATIONS.

IF IT IS DETERMINED THAT THE PROPOSED CONDUIT WILL INTERSECT AN EXISTING SEWER OR UNDERGROUND UTILITY IF CONSTRUCTED AS SHOWN ON THE PLAN, THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OR ANY PORTION OF THE PROPOSED CONDUIT WHICH WOULD BE AFFECTED BY THE INTERFERENCE WITH AN EXISTING FACILITY.

PAYMENT FOR ALL THE OPERATION DESCRIBED ABOVE SHALL BE INCLUDED ABOVE IN THE CONTRACT PRICE FOR THE PERTINENT 611 CONDUIT ITEM.

REVIEW OF DRAINAGE FACILITIES

BEFORE ANY WORK IS STARTED ON THE PROJECT AND AGAIN BEFORE FINAL ACCEPTANCE BY THE COUNTY/CITY, REPRESENTATIVES OF THE COUNTY/CITY AND CONTRACTOR, ALONG WITH LOCAL REPRESENTATIVES SHALL MAKE AN INSPECTION OF ALL EXISTING SEWERS WHICH ARE TO REMAIN IN SERVICE AND WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCES SHALL BE DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTION SHALL BE KEPT IN RECORD BY THE CITY.

ALL NEW CONDUITS, INLETS, CATCH BASINS, AND MANHOLES CONSTRUCTED AS A PART OF THE PROJECT SHALL BE FREE OF ALL FOREIGN MATTER AND IN A CLEAN CONDITION BEFORE THE PROJECT WILL BE ACCEPTED BY THE CITY.

ALL EXISTING SEWERS INSPECTED INITIALLY BY THE AFOREMENTIONED PARTIED SHALL BE MAINTAINED AND LEFT IN A CONDITION REASONABLY COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. ANY CHANGE IN THE CONDITION RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE CORRECTED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER.

CLEARING AND GRUBBING

REMOVE ALL TREES AND STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE CONSTRUCTION LIMITS UNDER THE LUMP SUM BID FOR ITEM 201, CLEARING AND GRUBBING.

DRIVEWAY TIE-INS

MAXIMUM SLOPE SHALL BE 5.0%

NOTIFICATION OF TRAFFIC RESTRICTIONS

THROUGHOUT THE DURATION OF THE PROJECT, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IN WRITING OF ALL TRAFFIC RESTRICTIONS AND UPCOMING MAINTENANCE OF TRAFFIC CHANGES. THE CONTRACTOR SHALL ENSURE THE WRITTEN NOTIFICATION IS SUBMITTED IN A TIMELY MANNER TO ALLOW THE PROJECT ENGINEER TO MEET THE REQUIRED TIME FRAMES SET FORTH IN THE TABLE BELOW TO INFORM THE SPECIAL HAULING PERMITS SECTION (HAULING.PERMITS@ODOT.OHIO.GOV) AND THE DISTRICT PUBLIC INFORMATION OFFICE (PIO). THIS NOTIFICATION SHALL BE RECEIVED BY THE PROJECT ENGINEER PRIOR TO THE PHYSICAL SETUP OF ANY APPLICABLE SIGNS OR MESSAGE BOARDS.

INFORMATION SHOULD INCLUDE, BUT IS NOT LIMITED TO, ALL CONSTRUCTION ACTIVITIES THAT IMPACT OR INTERFERE WITH TRAFFIC AND SHALL LIST THE SPECIFIC LOCATION, TYPE OF WORK, ROAD STATUS, DATE AND TIME OF RESTRICTION, DURATION OF RESTRICTION, NUMBER OF LANES MAINTAINED, NUMBER OF LANES CLOSED, MINIMUM VERTICAL CLEARANCE, MINIMUM WIDTH OF DRIVABLE PAVEMENT, DETOUR ROUTES, IF APPLICABLE, AND ANY OTHER INFORMATION REQUESTED BY THE PROJECT ENGINEER.

NOTIFICATION OF TRAFFIC RESTRICTIONS TIME TABLE

ITEM	DURATION OF CLOSURE	NOTICE DUE TO PERMITS & PIO
RAMP & ROAD CLOSURE	≥ 2 WEEKS	21 CALENDAR DAYS PRIOR TO CLOSURE
	> 12 HOURS & < 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	≤ 12 HOURS	4 BUSINESS DAYS PRIOR TO CLOSURE
LANE	≥ 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
CLOSURES & RESTRICTIONS	< 2 WEEKS	5 BUSINESS DAYS PRIOR TO CLOSURE
START OF CONSTRUCTION & TRAFFIC PATTERN CHANGES	N/A	14 CALENDAR DAYS PRIOR TO IMPLEMENTATION

ANY UNFORESEEN CONDITIONS NOT SPECIFIED IN THE PLANS REQUIRING TRAFFIC RESTRICTIONS SHALL ALSO BE REPORTED TO THE PROJECT ENGINEER USING THE NOTIFICATION TIME TABLE.

NATIVE AMERICAN ARTIFACTS

IN THE EVENT THAT ANY NATIVE AMERICAN ARTIFACTS ARE ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL STOP ALL WORK WITHIN 100' OF THE DISCOVERY AND CONTACT THE ODOT DISTRICT 11 ENVIRONMENTAL COORDINATOR, THOMAS STRATTON AT 330-308-3992. ODOT WILL THEN CONSULT WITH THE APPROPRIATE NATIVE AMERICAN TRIBE REGARDING THE ARTIFACTS AND HOW THE PROJECT CAN PROCEED.

GENERAL NOTES

FIRESTONE PARK
PHASE 2 IMPROVEMENTS

COLUMBIANA COUNTY, OHIO

HERBERT, ROWLAND & GRUBIC, INC.
220 WEST KENSINGER DRIVE
SUITE 100
CRANBERRY TOWNSHIP, PA 16066
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FIRESTONE PARK QUANTITIES

ITEM	DESCRIPTION	01/ENH/OT	UNIT	ITEM	DESCRIPTION	01/ENH/OT	UNIT
201	CLEARING AND GRUBBING	1	LS	611	12" CONDUIT, TYPE B	270	FT
202	PAVEMENT REMOVED	1017	SY	611	CATCH BASIN NO. 6	2	EA
202	PIPE REMOVED	80	FT	611	CATCH BASIN 2-2A	3	EA
202	MANHOLE REMOVED	1	EA	611	MANHOLE NO.3	2	EA
202	CATCH BASIN REMOVED	2	EA	614	MAINTAINING TRAFFIC	1	LS
204	SUBGRADE COMPACTION	3303	SY	619	FIELD OFFICE, TYPE A	4	MNTH
252	FULL DEPTH PAVEMENT SAWING	2652	FT	623	CONSTRUCTION LAYOUT STAKES AND SURVEYING	1	LS
304	AGGREGATE BASE	683	CY	624	MOBILIZATION	1	LS
407	NON-TRACKING TACK COAT	139	GAL	642	CROSSWALK LINE, TYPE I	120	FT
441	ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (449), 1.25" DEPTH (GRAVEL PARKING AREA)	16	CY	SPECIAL	FLUSH CURB	3366	FT
				SPECIAL	8" CONCRETE PAD, AS PER PLAN	269	SF
441	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1 (449), 1.75" DEPTH (GRAVEL PARKING AREA)	42	CY	SPECIAL	12" DRAINS	11	EA
				SPECIAL	UNDERDRAINS, MISC. 8" BASE PIPE WITH GEOTEXTILE FABRIC	2373	FT
441	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), 1.25" DEPTH (GUTTER)	26	CY	SPECIAL	8" GRATED CLEANOUTS	31	EA
				SPECIAL	RESTORED BRICK GUTTER	679	SY
441	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1 (449), 1.75" DEPTH (GUTTER)	71	CY	SPECIAL	EROSION CONTROL	1	LS
605	4" UNCLASSIFIED PIPE UNDERDRAIN	1538	FT	SPECIAL	EROSION CONTROL	1	LS
608	4" CONCRETE WALK, AS PER PLAN	10127	SF				
608	CURB RAMP	228	SF				
609	CURB, TYPE 6	1538	FT				

ITEM SPECIAL – FLUSH CURB

THIS WORK SHALL CONSIST OF CONSTRUCTING CEMENT CONCRETE FLUSH CURB AT THE LOCATIONS SHOWN ON THE PLANS AND IN ACCORDANCE WITH ODOT SPECIFICATIONS. FLUSH CURB SHALL BE CONSTRUCTED TO THE LINES, GRADES, DIMENSIONS, AND TYPICAL SECTIONS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER.

ITEM SPECIAL – 8" CONCRETE PAD, AS PER PLAN

CONSTRUCT THIS ITEM PER C&MS 608, UNLESS OTHERWISE SHOWN IN THE DETAILS ON SHEET 3. ALL LABOR, EQUIPMENT, AND MATERIALS AS DESCRIBED ABOVE SHALL BE INCLUDED IN THE UNIT COST.

ITEM SPECIAL – 12" DRAINS

THIS WORK SHALL CONSIST OF FURNISHING AND INSTALLING 12-INCH DRAIN STRUCTURES, COMPLETE WITH FRAMES, GRATES, ADAPTERS, AND ALL NECESSARY APPURTENANCES, AT THE LOCATIONS SHOWN ON THE PLANS. THE WORK INCLUDES EXCAVATION, BEDDING, BACKFILL, CONNECTIONS TO PROPOSED OR EXISTING STORM SEWER SYSTEMS, AND RESTORATION OF DISTURBED AREAS.

ITEM SPECIAL – UNDERDRAINS, MISC. 8" BASE PIPE WITH GEOTEXTILE FABRIC

THIS WORK SHALL CONSIST OF FURNISHING AND INSTALLING 8-INCH DIAMETER PERFORATED BASE UNDERDRAIN PIPE WRAPPED WITH GEOTEXTILE FABRIC, INCLUDING TRENCH EXCAVATION, GRANULAR BACKFILL, OUTLETS, CONNECTIONS, AND RESTORATION, AT THE LOCATIONS SHOWN ON THE PLANS AND IN ACCORDANCE WITH THE DETAILS ON SHEET 3. THIS ITEM IS INTENDED FOR SUBSURFACE DRAINAGE OF PAVEMENT BASE, SHOULDERS, OR OTHER AREAS AS DETAILED IN THE PLANS. CONNECTION OF 4" PIPE UNDERDRAIN WHERE NO INLET IS AVAILABLE IS INCIDENTAL TO THIS ITEM INCLUDING NECESSARY FITTINGS.

ITEM SPECIAL – 8" GRATED CLEANOUTS

THIS ITEM INVOLVES INSTALLATION OF AN HPDE RISER TEE TO ALLOW FOR CLEANOUT OF THE UNDERDRAIN WITHIN THE REHABILITATED BRICK GUTTER. THE RISER TEE SHALL BE INSTALLED AT ELEVATION OF THE BRICK GUTTER. CONNECTION TO THE UNDERDRAIN, TESTING AND JOINT SEALING AT THE CONNECTIONS IS INCLUDED.

ITEM SPECIAL – RESTORED BRICK GUTTER

THIS WORK SHALL CONSIST OF REMOVING THE EXISTING BRICK GUTTER AND RECONSTRUCTING THE BRICK GUTTER ACCORDING TO THE DIMENSIONS AND SPECIFICATIONS SHOWN ON THE PLANS AND DETAILS. CAREFULLY REMOVE THE EXISTING BRICK FROM THE GUTTER, KEEPING ON SITE. ANY BRICKS DAMAGED DURING REMOVAL OR SHOW SIGNIFICANT DETERIORATION SHALL BE REPLACED WITH BRICK OF SIMILAR SIZE AND COLOR. THIS ITEM ASSUMES THAT 25% OF BRICKS WILL NEED TO BE REPLACED UNDER THE COST OF THIS ITEM. THE SIZE AND COLOR OF THE REPLACEMENT BRICKS IS TO BE APPROVED BY THE CITY AND THE ENGINEER. PRIOR TO INSTALLATION OF THE BRICK GUTTER, POSITIVE DRAINAGE THROUGH THE 8" PERFORATED PIPE IS TO BE VERIFIED AND SUBGRADE COMPACTION COMPLETED. INSTALL CURB, TYPE 6. AGGREGATE BASE IS TO BE PLACED AT THE DEPTHS SHOWN ON THE TYPICAL SECTION AND COMPACTED AND LAYER OF SAND LEVELING BED PLACED. INSTALL THE BRICK WITH FLOW LINE IN THE CENTER OF THE GUTTER AND MATCHING PAVEMENT ELEVATION. ONCE BRICK IS IN PLACE, FILL GAPS IN BRICK WITH SAND AND SWEEP EXCESS. SEAL JOINT BETWEEN BRICK AND CURB AND BRICK AND PAVEMENT. ITEM 202E32700 – GUTTER REMOVED WILL BE INCIDENTAL TO THIS ITEM.

ITEM SPECIAL – EROSION CONTROL

THIS WORK SHALL CONSIST OF FURNISHING, INSTALLING, MAINTAINING, INSPECTING, REPAIRING, RELOCATING, AND REMOVING EROSION AND SEDIMENT CONTROL (ESC) MEASURES NECESSARY TO PREVENT SEDIMENT-LADEN RUNOFF FROM LEAVING THE PROJECT LIMITS. SEQUENCE INSTALLATION TO ENSURE DISTURBED AREAS ARE PROTECTED AT ALL TIMES. CONSTRUCT, MAINTAIN, AND REMOVE EROSION AND SEDIMENT CONTROL MEASURES IN ACCORDANCE WITH CMS 832, THE APPROVED SWP3. THE CONTRACTOR IS RESPONSIBLE FOR PREVENTING SEDIMENT FROM LEAVING THE PROJECT LIMITS AND ENTERING WATERS OF THE STATE, DRAINAGE SYSTEMS, ADJACENT PROPERTIES, AND ROADWAYS.

ITEM 608 – 4" CONCRETE WALK, AS PER PLAN

CONSTRUCT THIS ITEM PER C&MS 608, UNLESS OTHERWISE SHOWN IN THE DETAILS ON SHEET 3. APPLY A MEDIUM BROOM FINISH THAT IS PERPENDICULAR TO THE DIRECTION OF PEDESTRIAN TRAFFIC.

ALL LABOR, EQUIPMENT, AND MATERIALS AS DESCRIBED ABOVE SHALL BE INCLUDED IN THE UNIT COST FOR ITEM 608, 4" CONCRETE WALK, AS PER PLAN.

ESTIMATED QUANTITIES

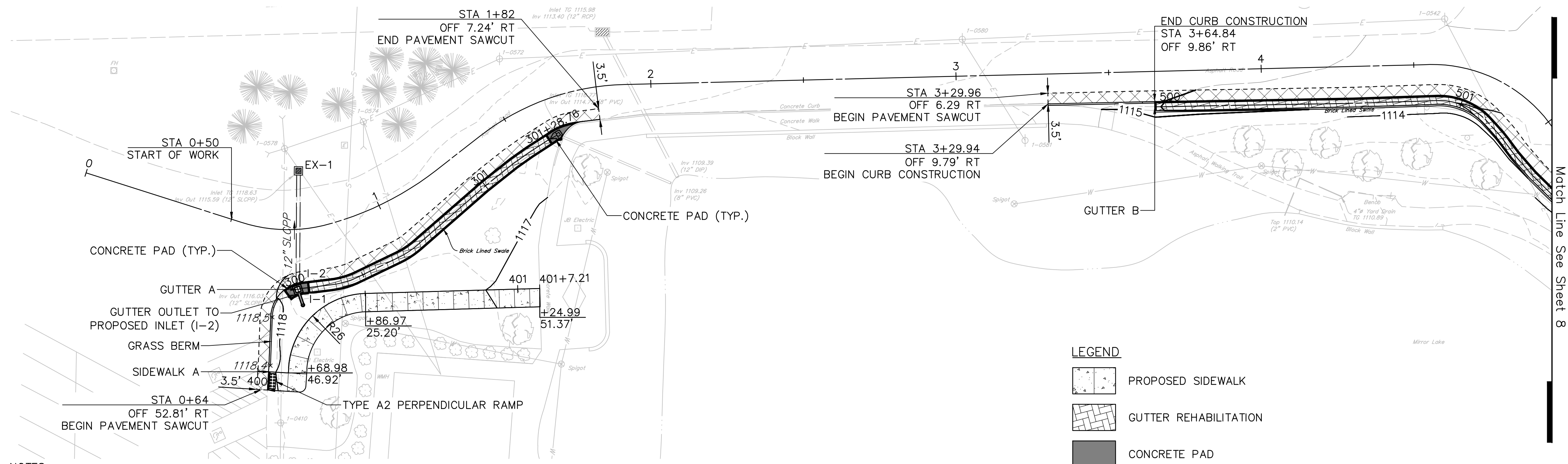
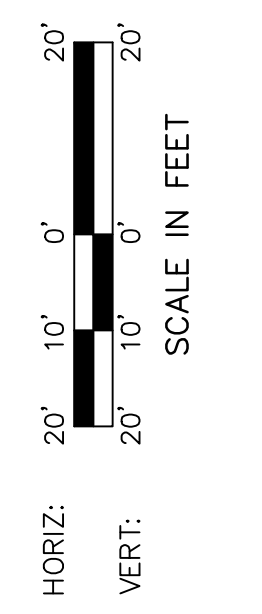
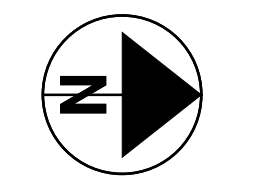
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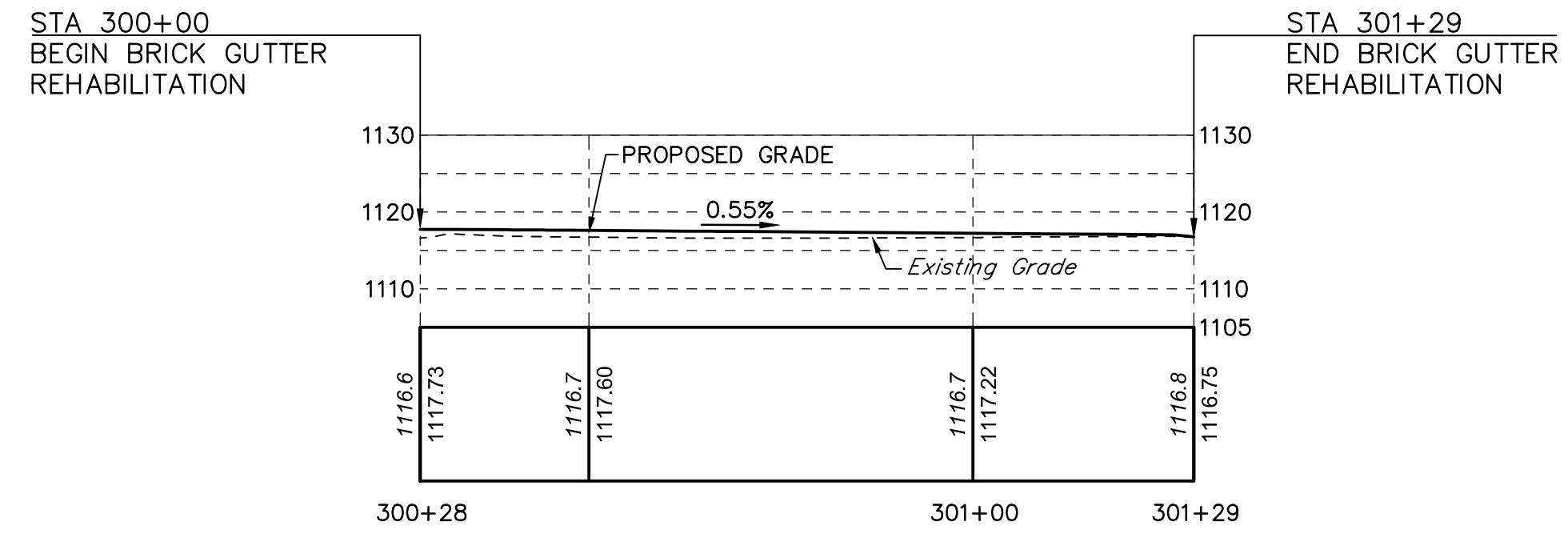
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SCALE:
AS SHOWN
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JOB NO: R006889.0438
DESIGN: BJH
DRAWN: KJW
CHECKED: DSM
SHEET NO.
6 OF 13

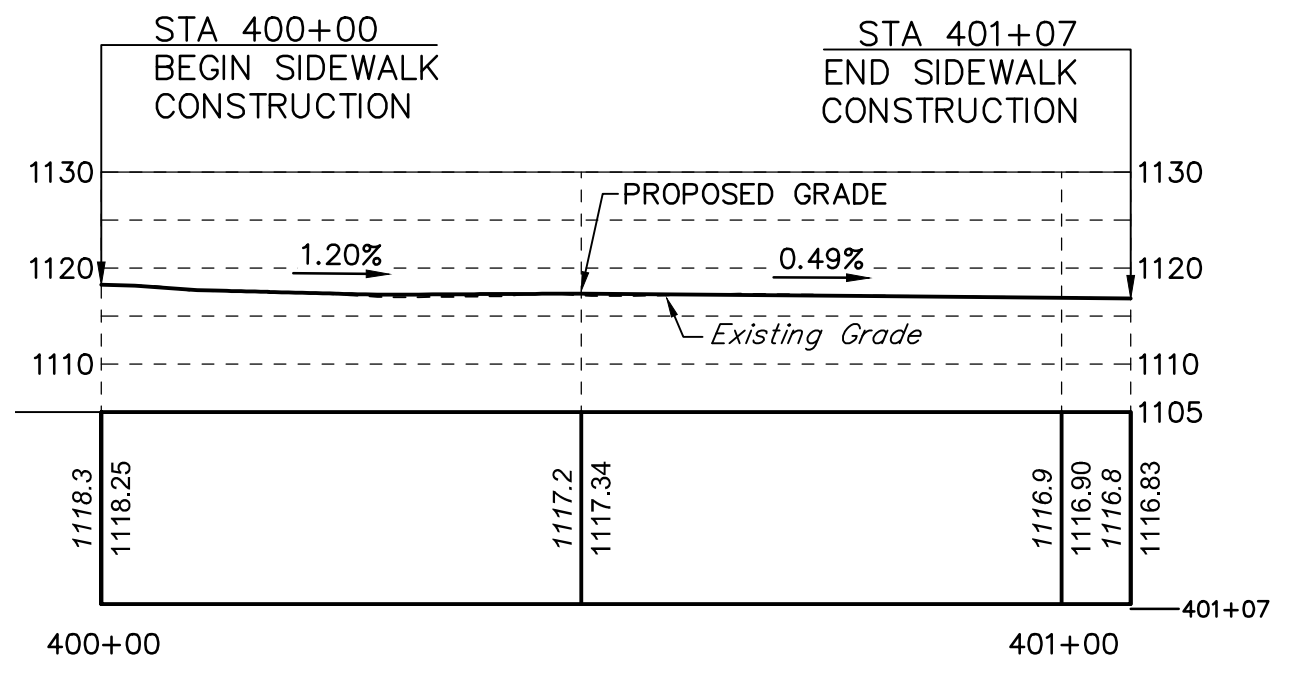


- NOTES:
1. SEE SHEET 13 FOR PIPE PROFILES
 2. ENSURE POSITIVE DRAINAGE OF UNDERDRAINS TO NEAREST OUTLET LOCATION.

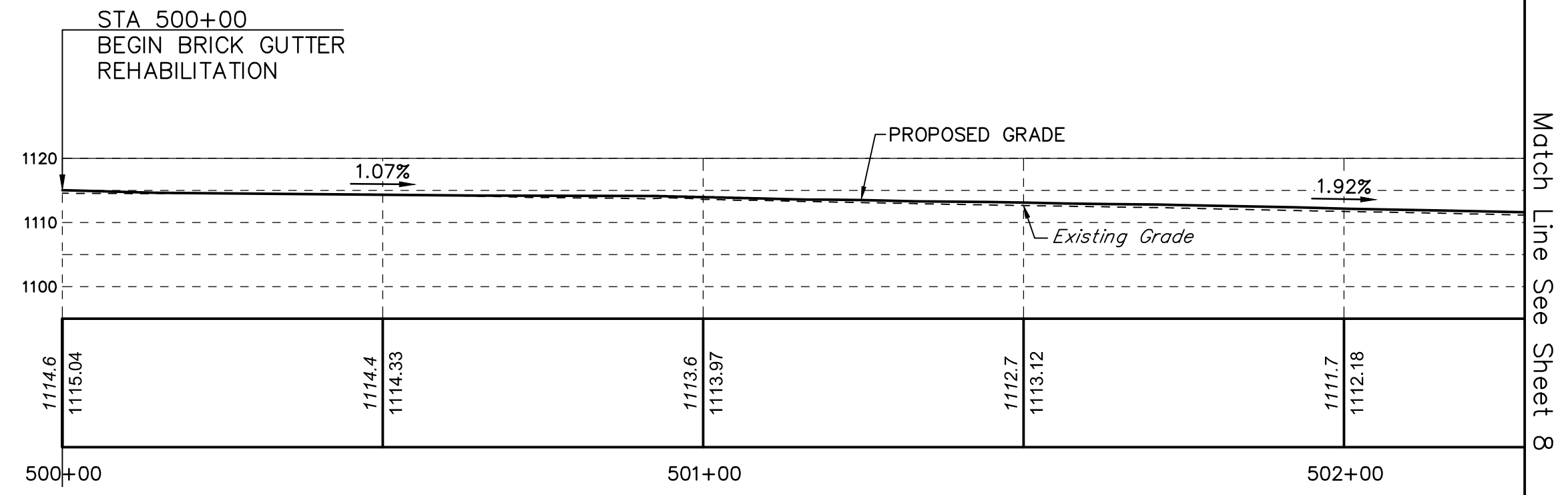
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 - GUTTER REHABILITATION
 - CONCRETE PAD
 - PROPOSED ASPHALT
 - PAVEMENT SAWCUT
 - FLUSH CURB
 - CURB, TYPE 6
 - CONSTRUCTION FENCE
 - DETECTABLE WARNING SURFACE



GUTTER A PROFILE



SIDEWALK A PROFILE



GUTTER B PROFILE

Match Line See Sheet 8

PLAN SHEET
FIRESTONE PARK
 PHASE 2 IMPROVEMENTS
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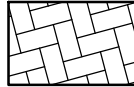


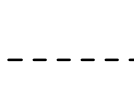


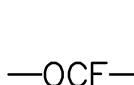



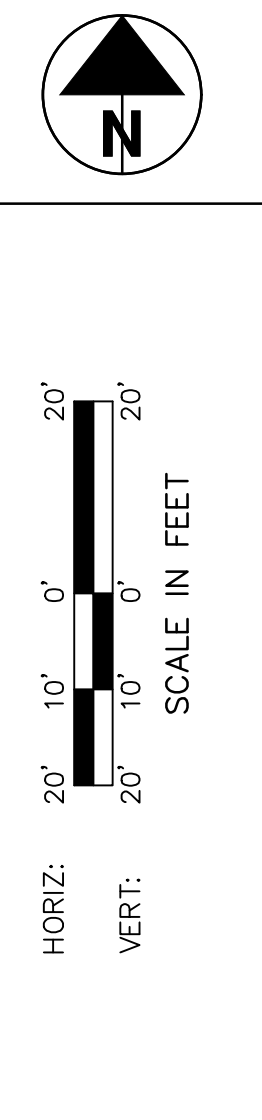
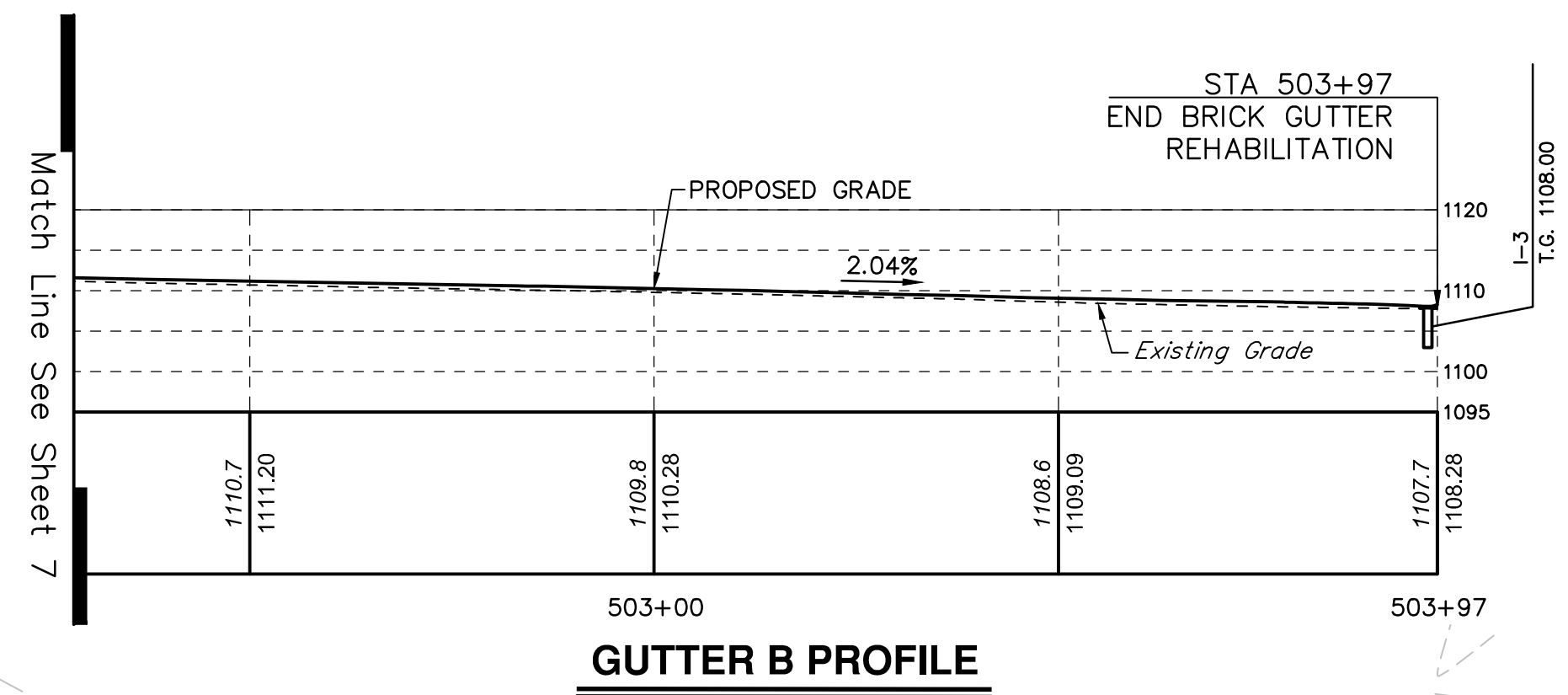
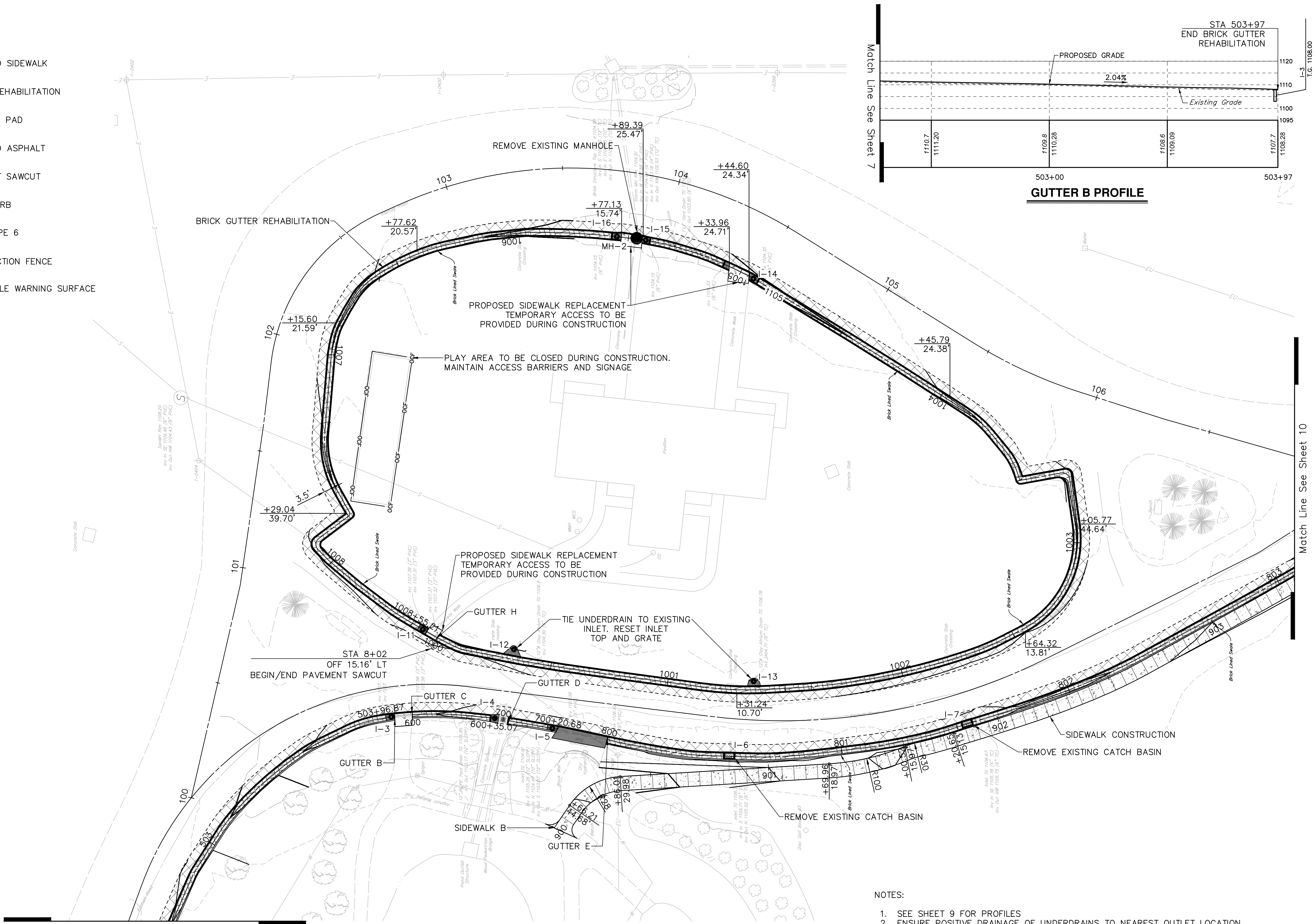
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 CHECKED: DSM
 SHEET NO.
 7 OF 13

Feb 23, 2026 1:50pm

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LEGEND

-  PROPOSED SIDEWALK
-  GUTTER REHABILITATION
-  CONCRETE PAD
-  PROPOSED ASPHALT
-  PAVEMENT SAWCUT
-  FLUSH CURB
-  CURB, TYPE 6
-  CONSTRUCTION FENCE
-  DETECTABLE WARNING SURFACE



PLAN SHEET
FIRESTONE PARK
 PHASE 2 IMPROVEMENTS

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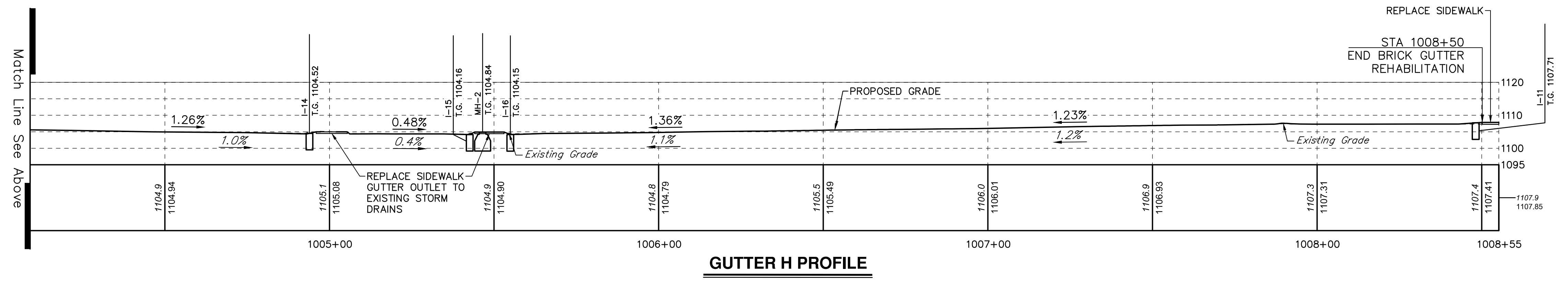
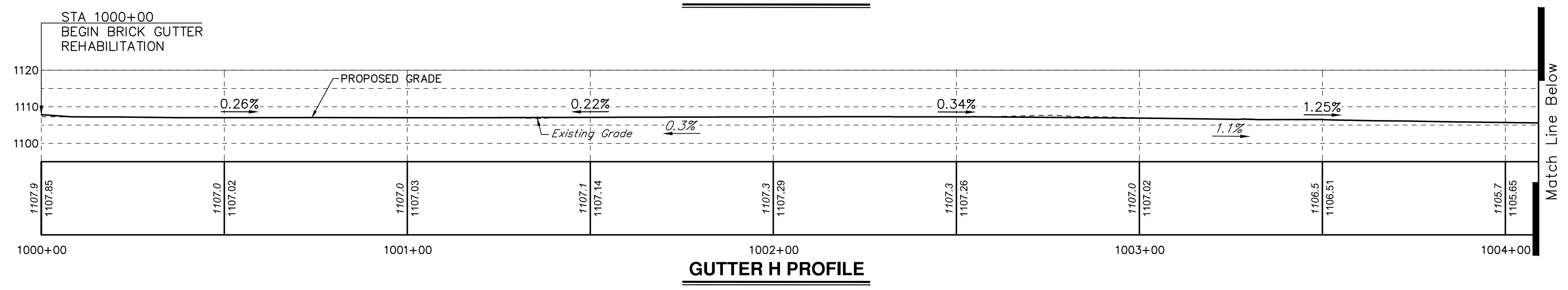
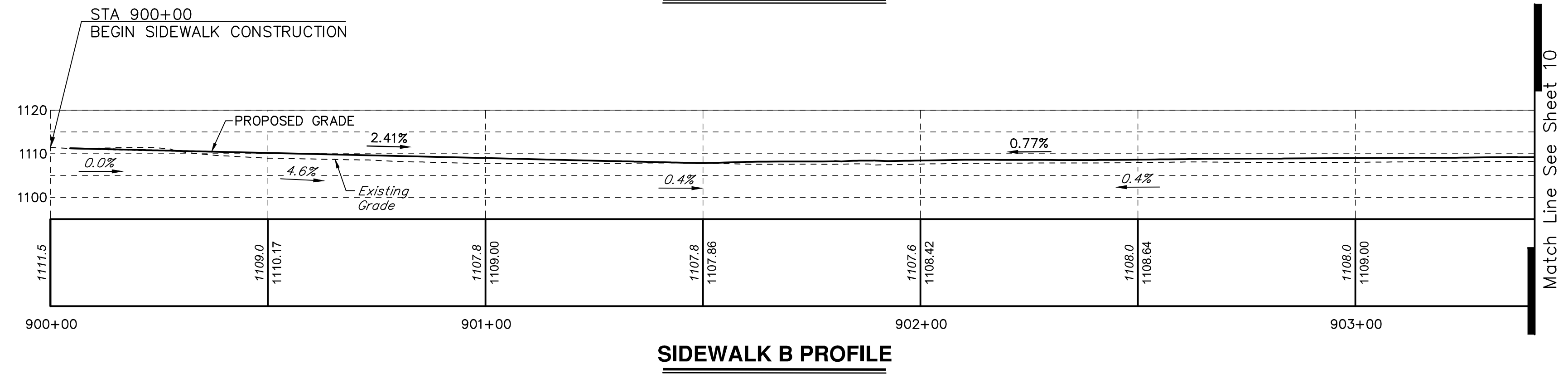
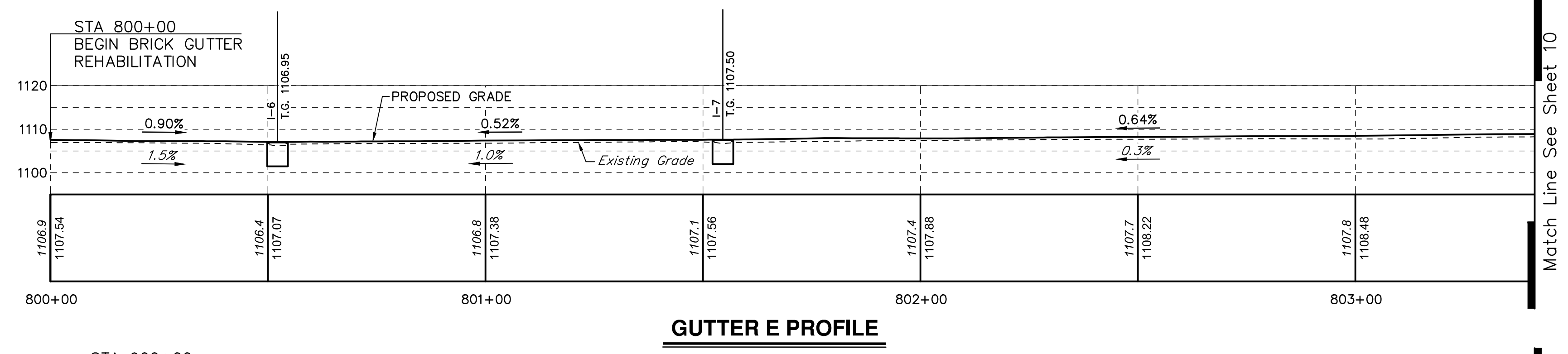
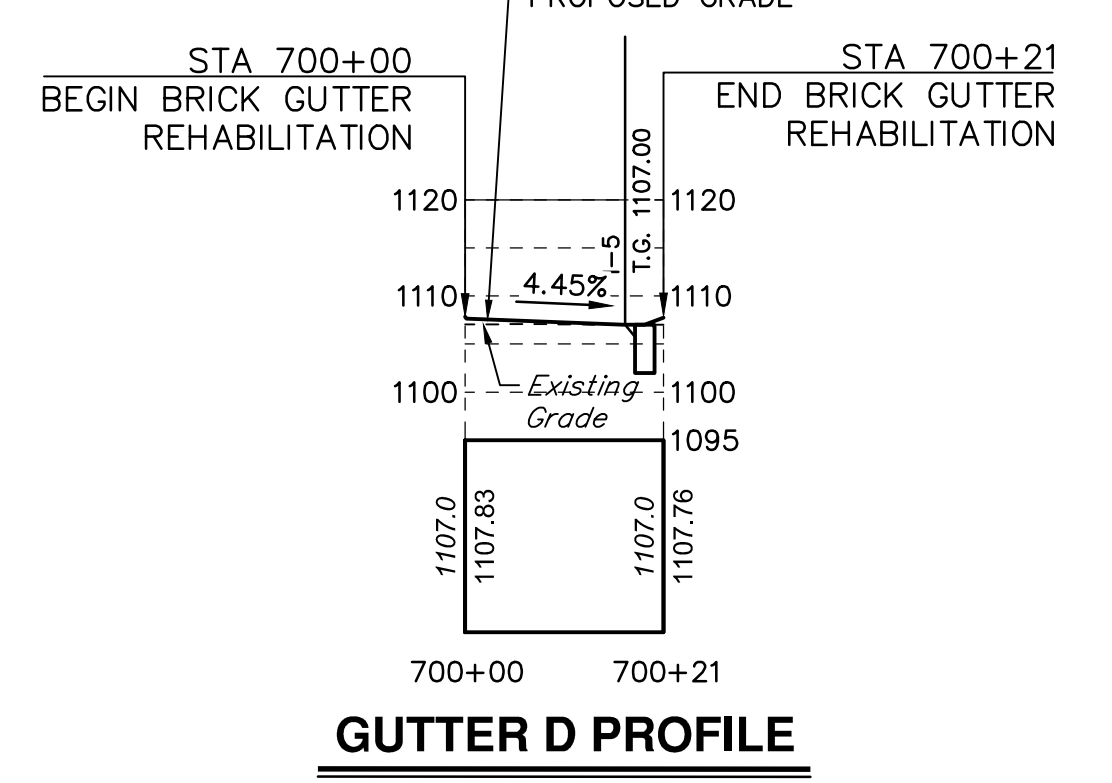
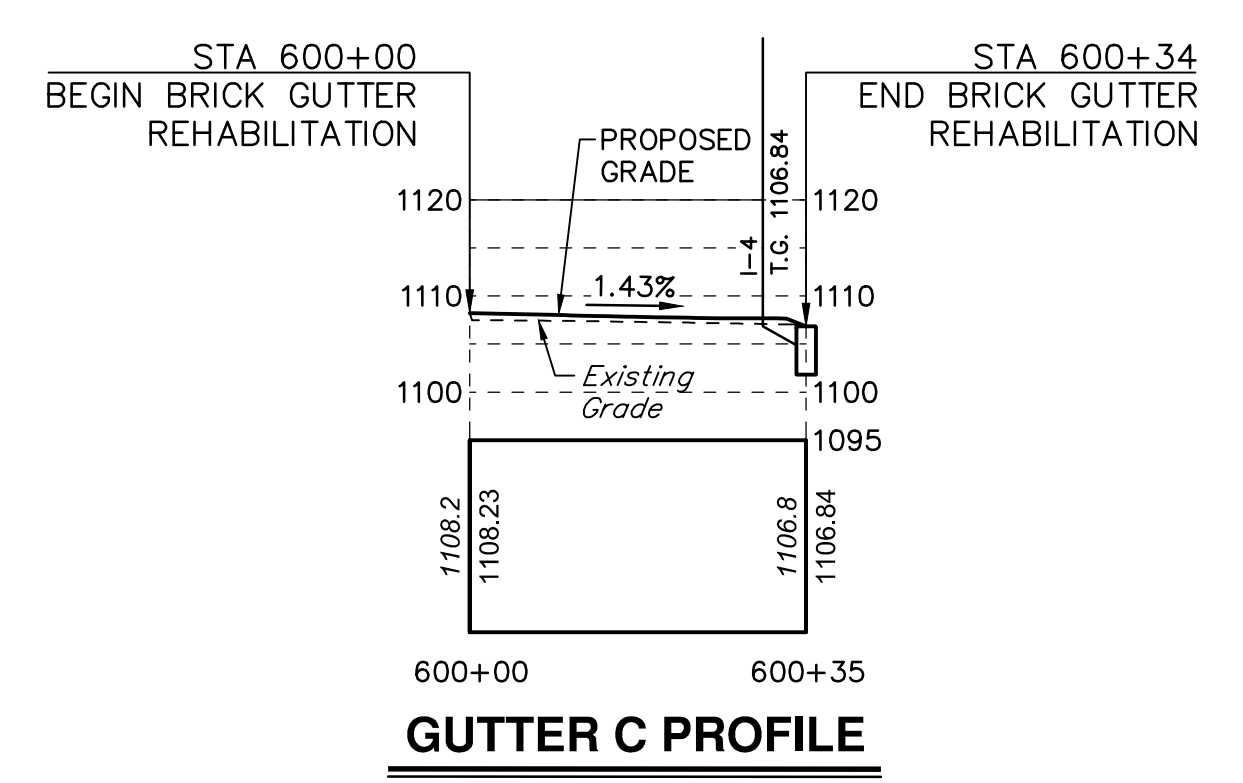
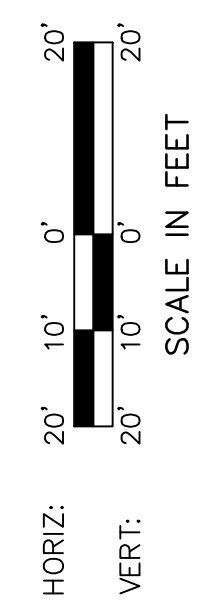
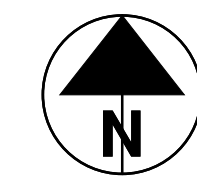
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JOB NO: R006889.0438
DESIGN: BLH
DRWING: KMY
CHECKED: DSM
SHEET NO. 8 OF 13

- NOTES:**
1. SEE SHEET 9 FOR PROFILES
 2. ENSURE POSITIVE DRAINAGE OF UNDERDRAINS TO NEAREST OUTLET LOCATION.

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PROFILE SHEET

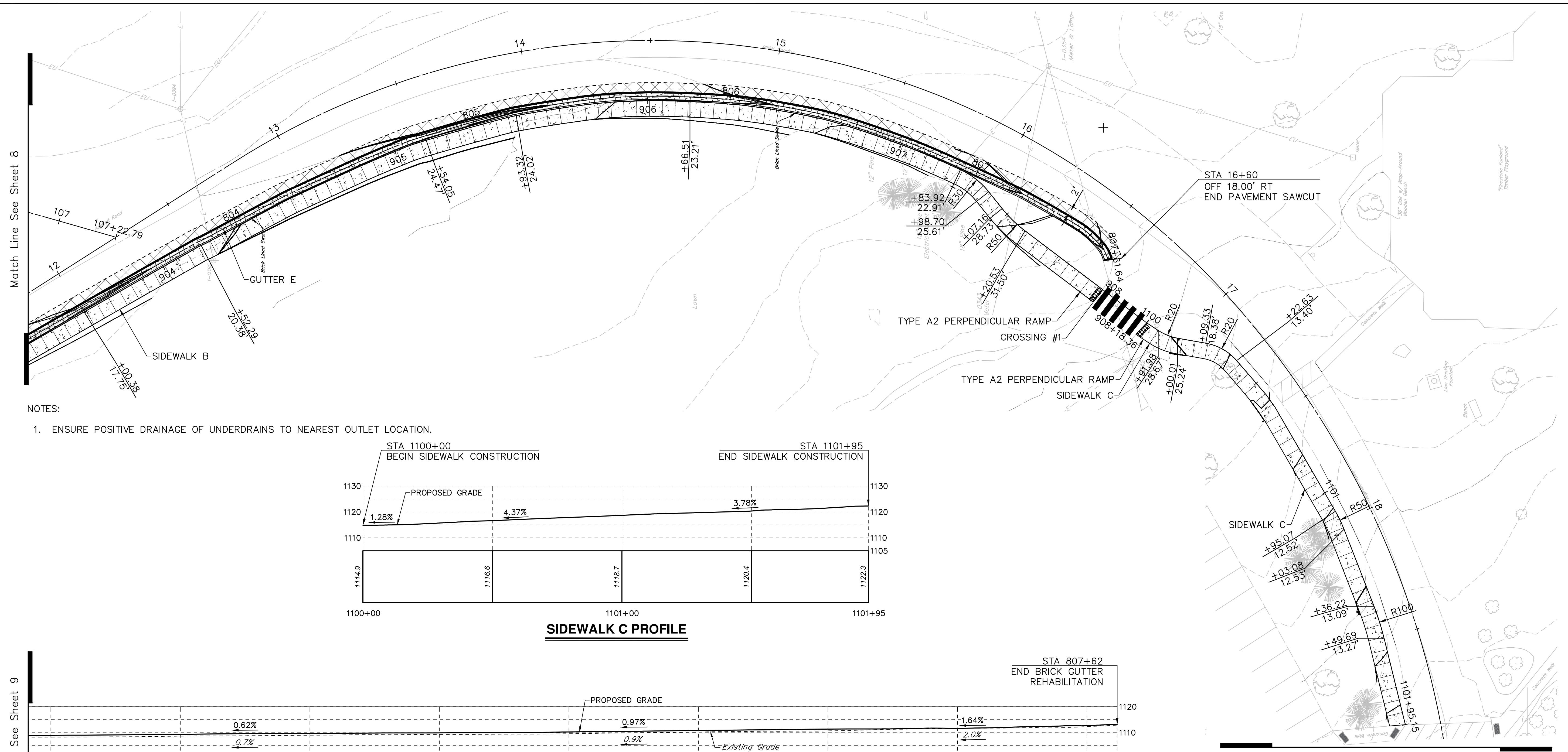
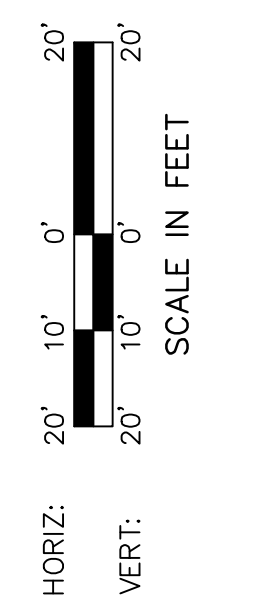
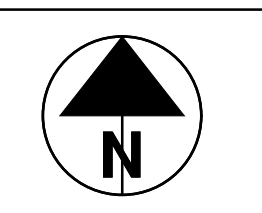
FIRESTONE PARK
PHASE 2 IMPROVEMENTS

COLUMBIANA COUNTY, OHIO

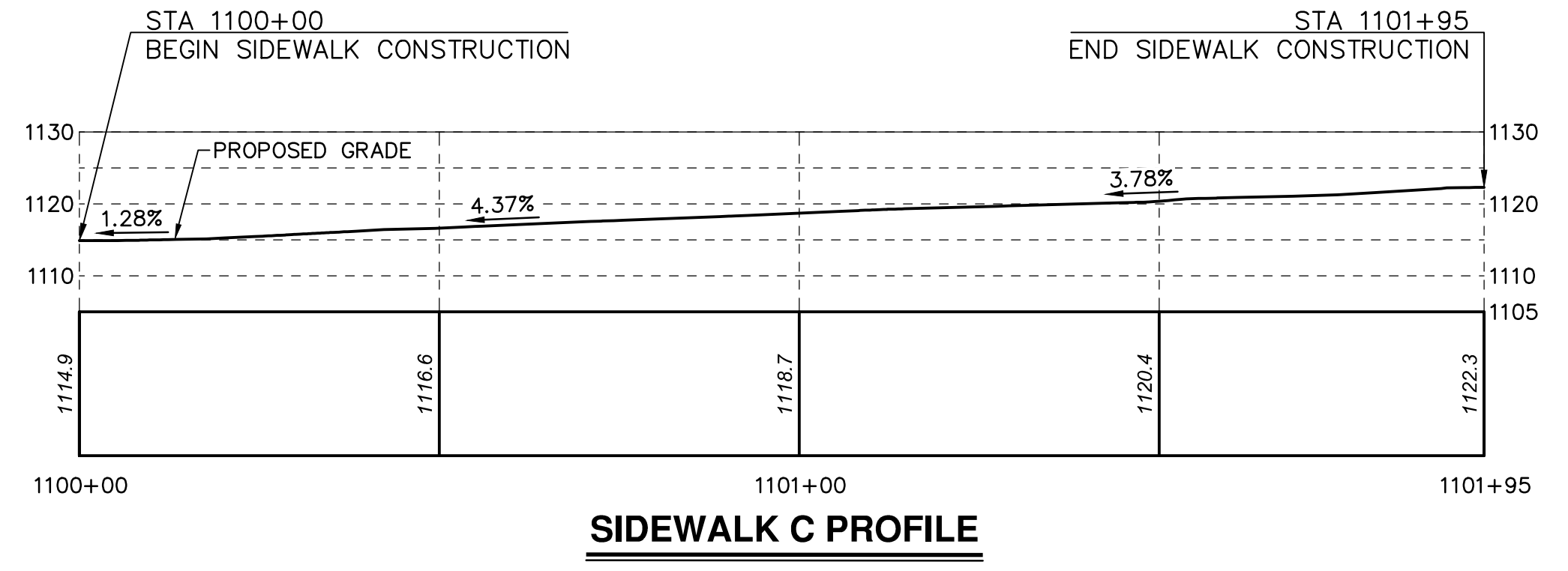
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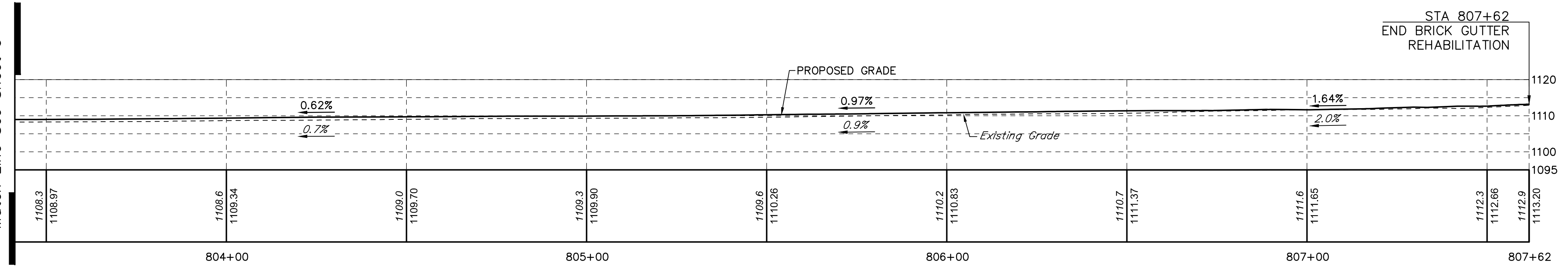
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9 OF 13



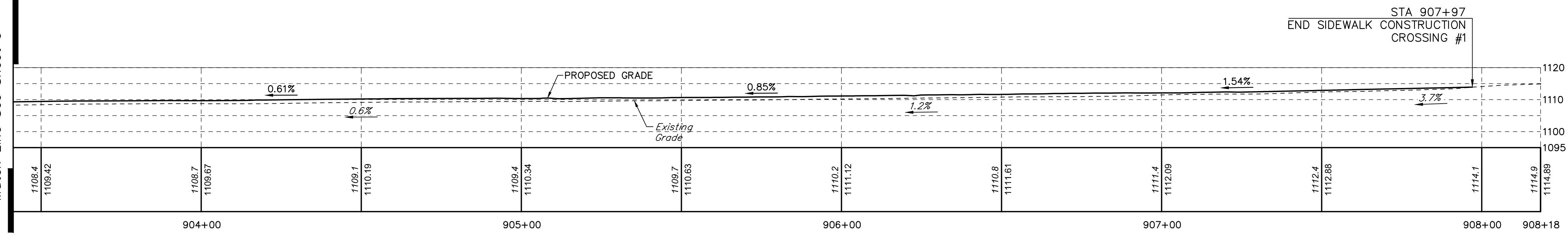
NOTES:
1. ENSURE POSITIVE DRAINAGE OF UNDERDRAINS TO NEAREST OUTLET LOCATION.



SIDEWALK C PROFILE



GUTTER E PROFILE



SIDEWALK B PROFILE

- LEGEND**
- PROPOSED SIDEWALK
 - GUTTER REHABILITATION
 - CONCRETE PAD
 - PROPOSED ASPHALT
 - PAVEMENT SAWCUT
 - FLUSH CURB
 - CURB, TYPE 6
 - CONSTRUCTION FENCE
 - DETECTABLE WARNING SURFACE

PLAN SHEET
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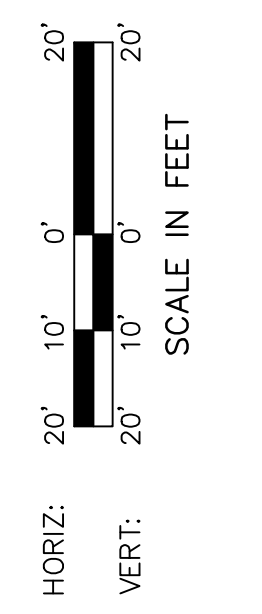
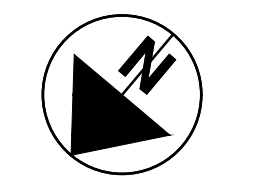
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10 OF 13

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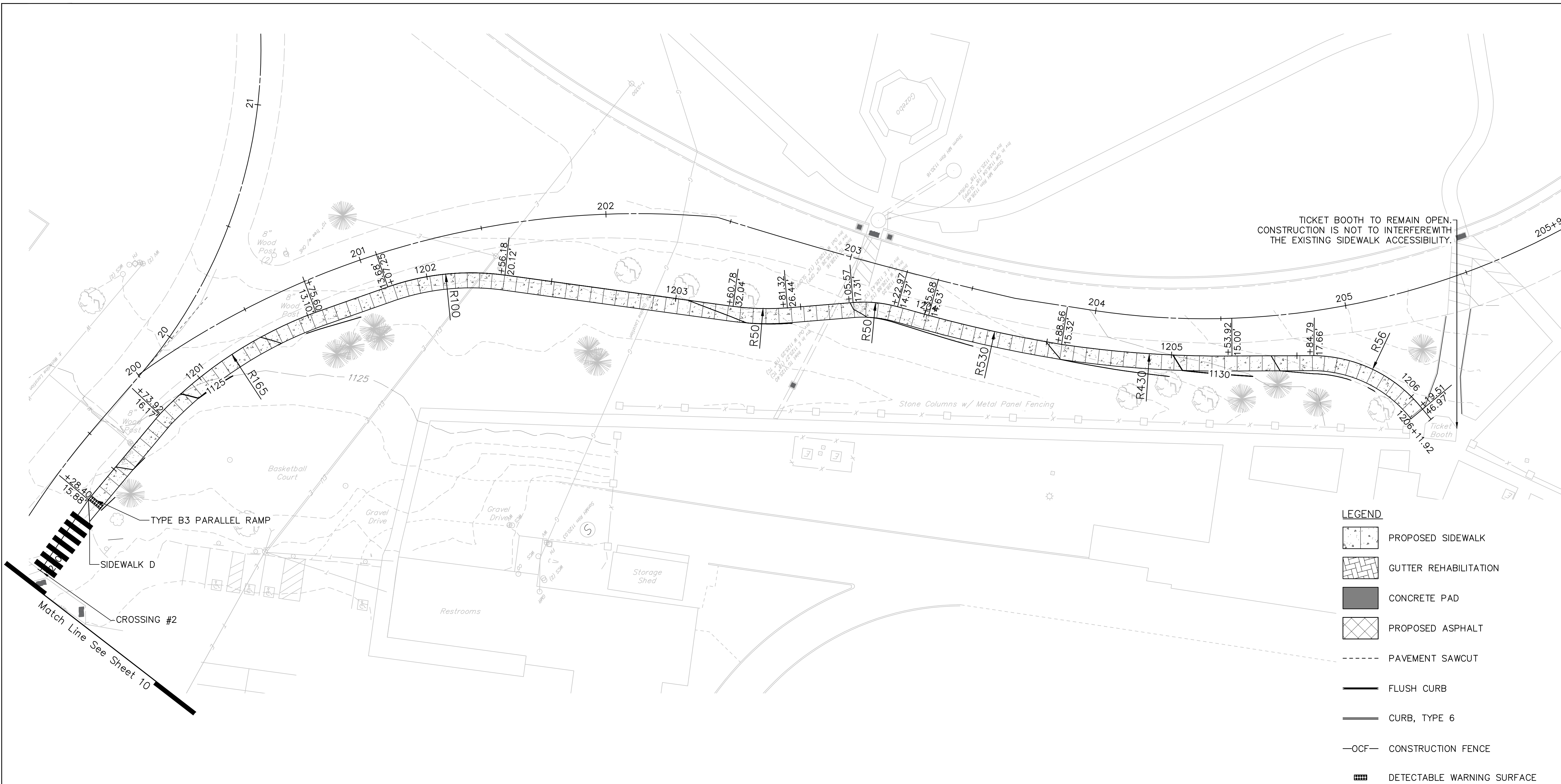
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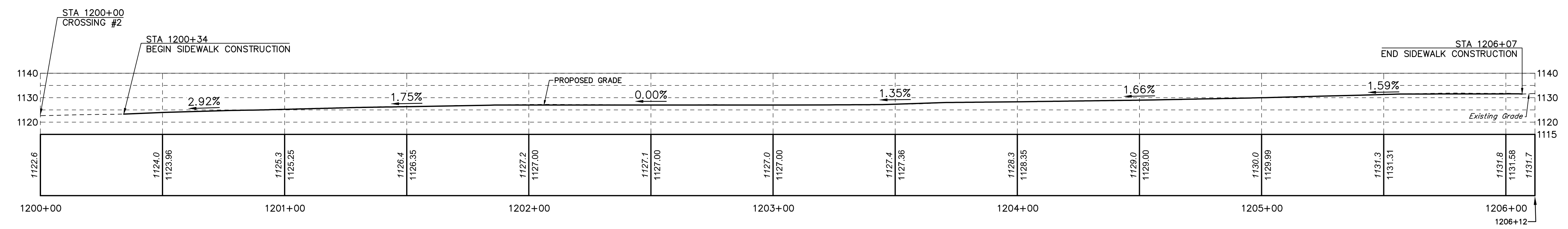
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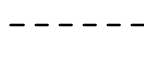

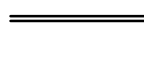
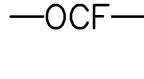



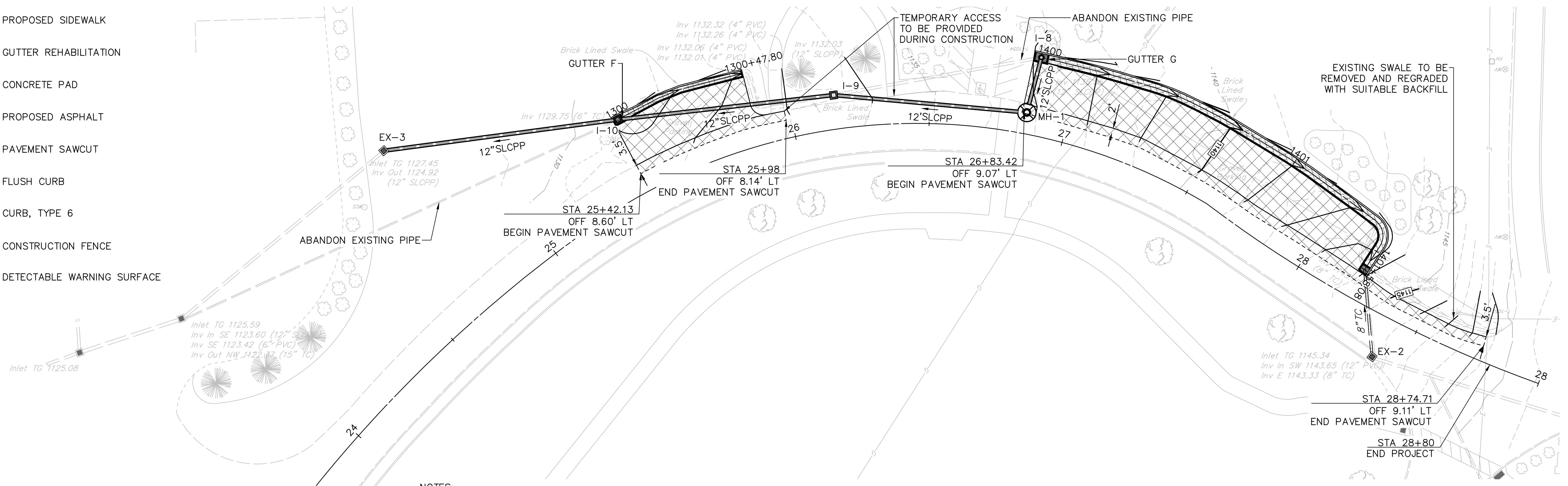
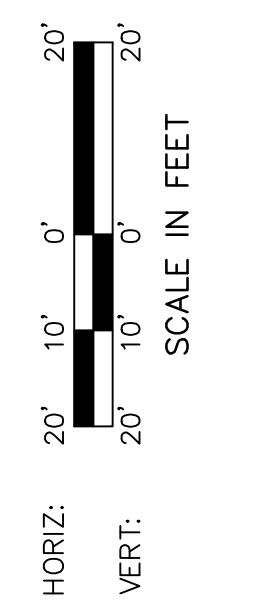
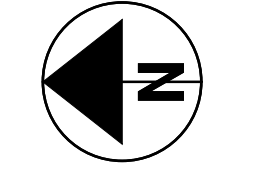
- LEGEND**
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 - CURB, TYPE 6
 - CONSTRUCTION FENCE
 - DETECTABLE WARNING SURFACE



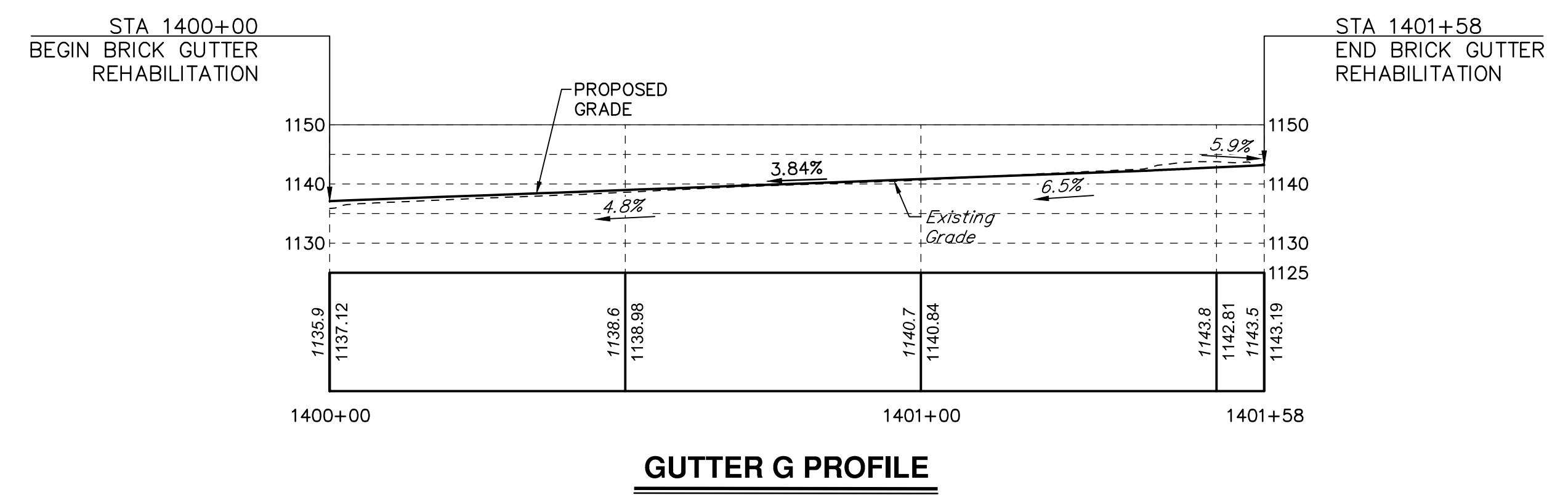
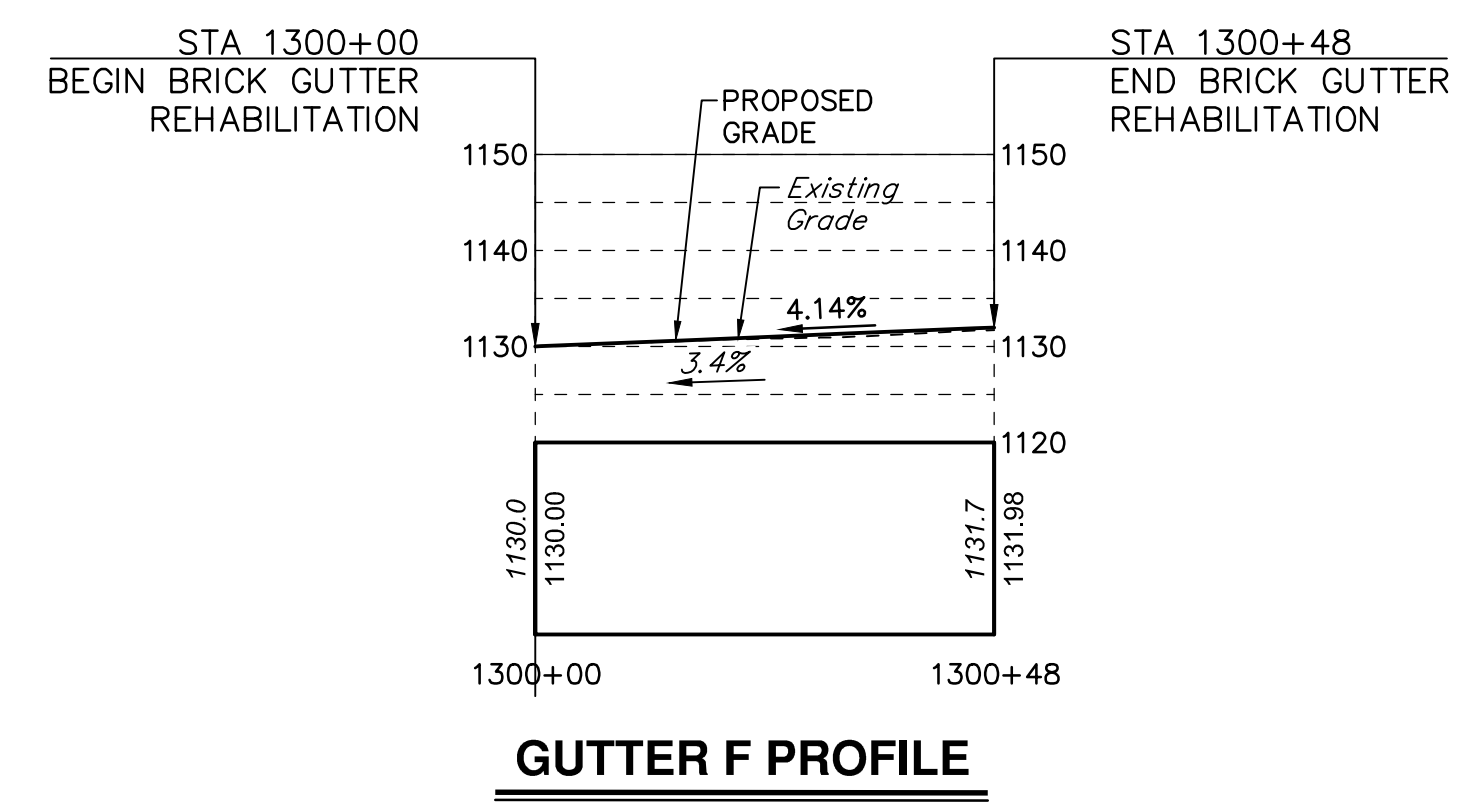
SIDEWALK D PROFILE

LEGEND

-  PROPOSED SIDEWALK
-  GUTTER REHABILITATION
-  CONCRETE PAD
-  PROPOSED ASPHALT
-  PAVEMENT SAWCUT
-  FLUSH CURB
-  CURB, TYPE 6
-  CONSTRUCTION FENCE
-  DETECTABLE WARNING SURFACE



- NOTES:**
1. SEE SHEET 12 FOR PIPE PROFILES
 2. ENSURE POSITIVE DRAINAGE OF UNDERDRAINS TO NEAREST OUTLET LOCATION.



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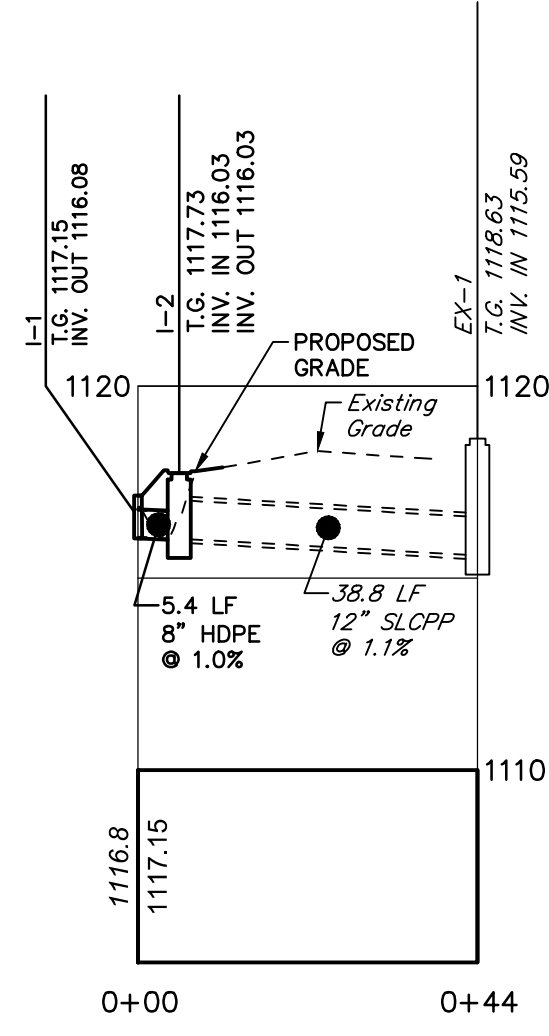
PLAN SHEET
FIRESTONE PARK
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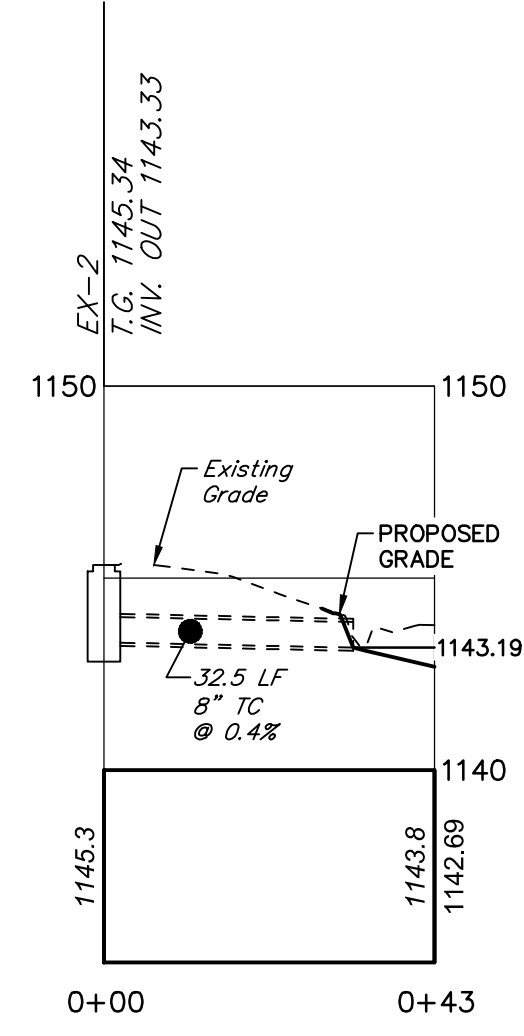


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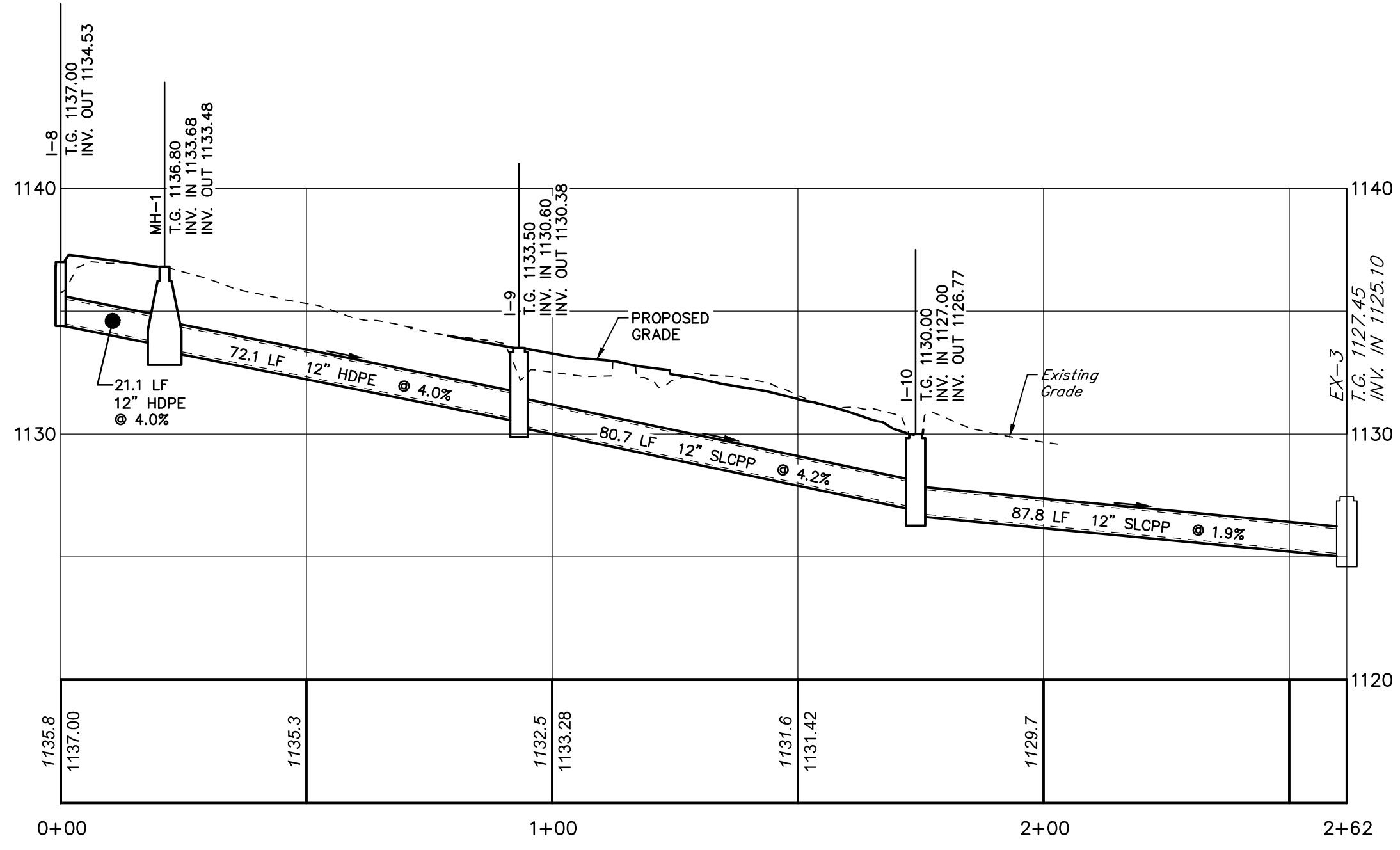
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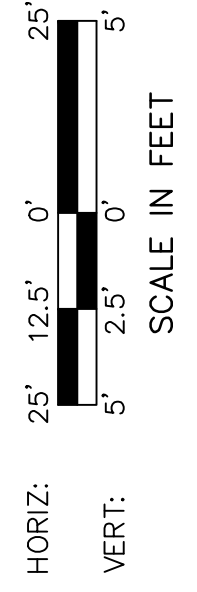
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EX-2 TO OUTFALL



I-8 TO EX-3



STORM PROFILES SHEET

FIRESTONE PARK

PHASE 2 IMPROVEMENTS

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 DRAWING: K.M.V.
 CHECKED: DSM
 SHEET NO.
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