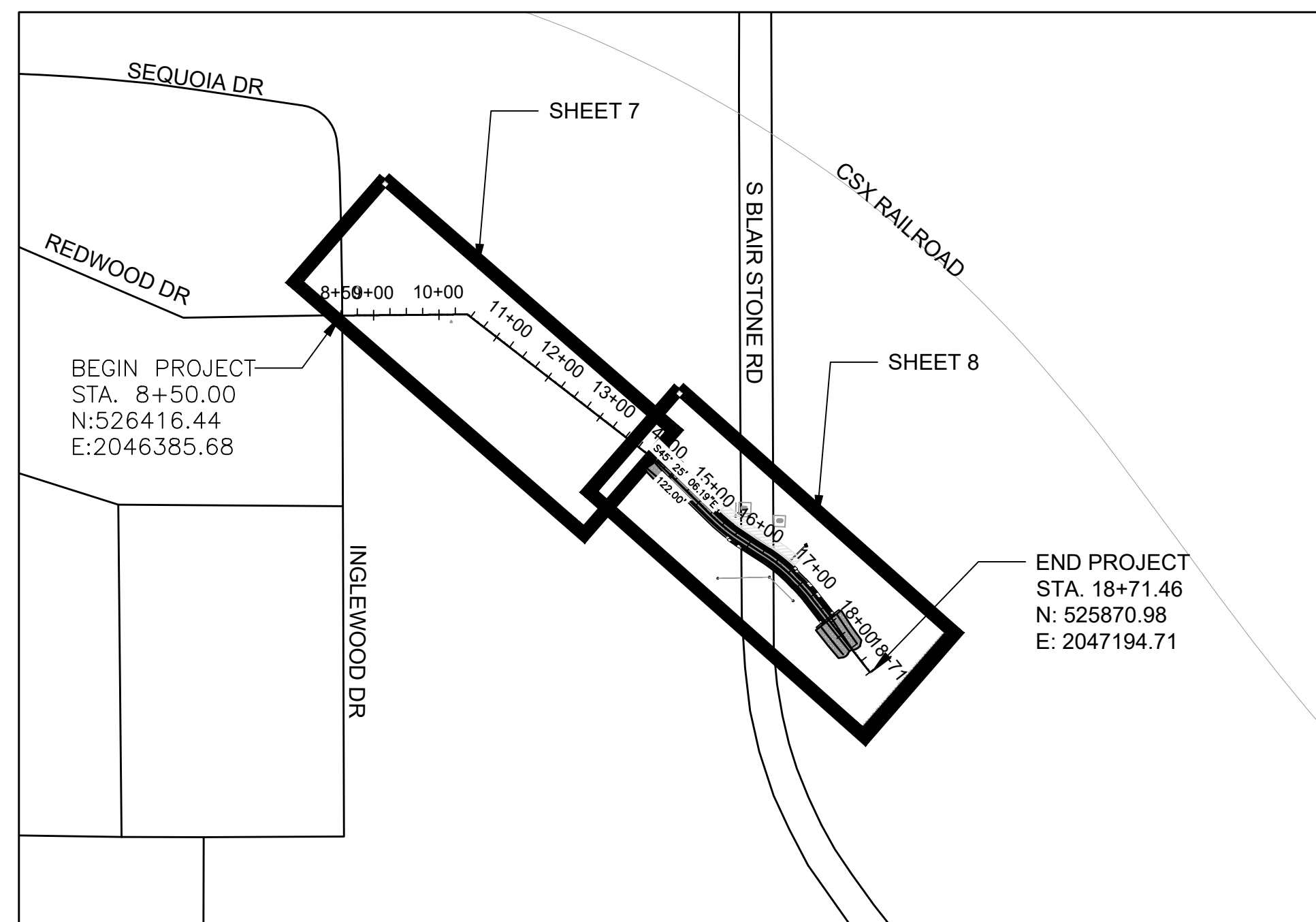


PARK AVENUE DITCH STABILIZATION AT BLAIR STONE ROAD BRIDGE

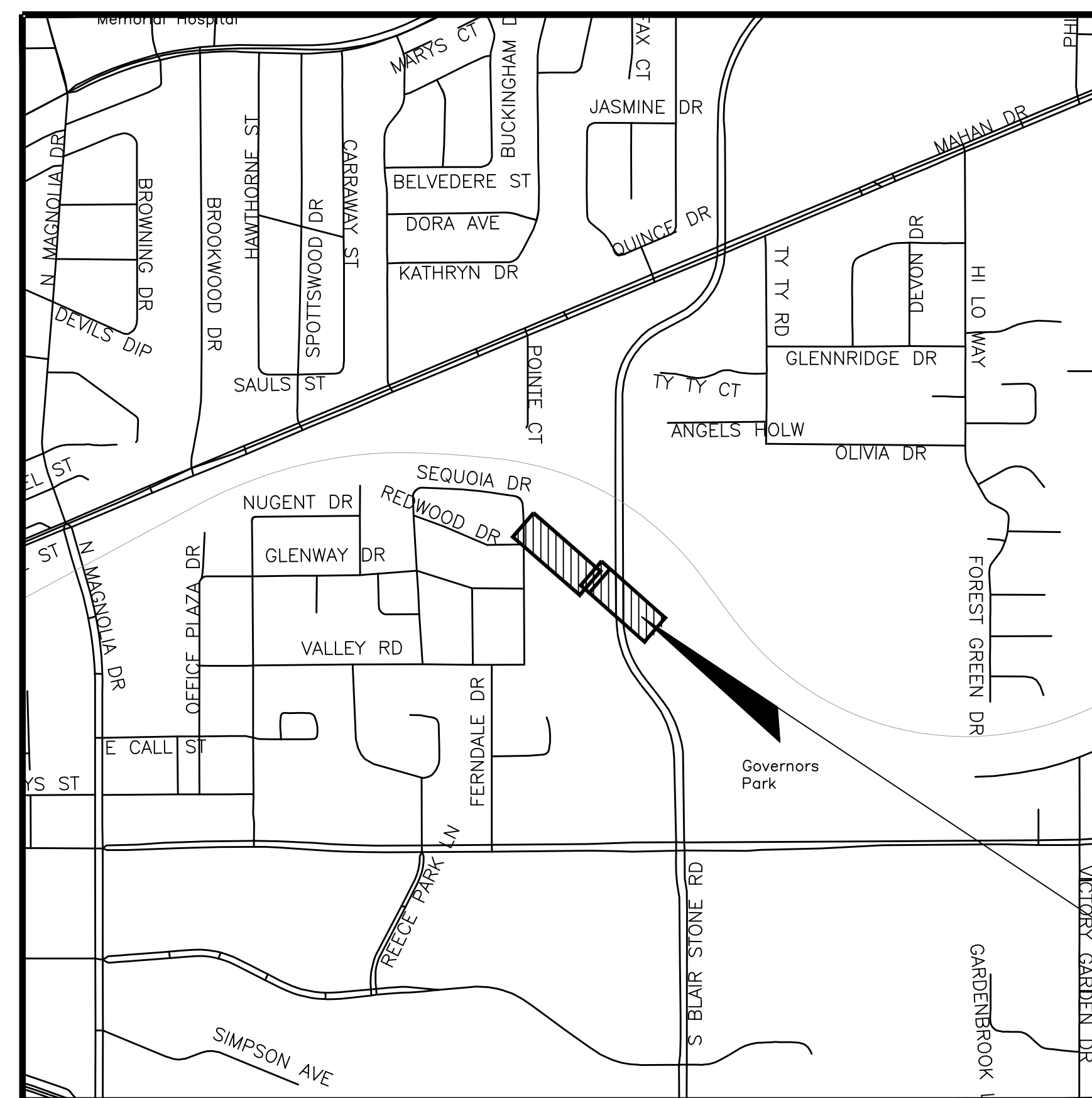
PLANS PREPARED FOR:



UNDERGROUND UTILITIES & PUBLIC INFRASTRUCTURE DEPARTMENT
STORMWATER MANAGEMENT
C.O.T. WORK ORDER NO. 16062



PLAN AND PROFILE KEY MAP



LOCATION MAP

1" = 80'
NORTH AMERICAN VERTICAL DATUM OF 1988

PLANS PREPARED BY:



2316 Killam Center Blvd, Bldg C, Suite 100, Tallahassee, FL 32309
Phone No. 866.909.2220 www.wginc.com
Cert No. 6091 - LB No. 7055

INDEX OF SHEETS

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PROJECT LOCATION

GOVERNING STANDARDS AND SPECIFICATIONS:

FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD PLANS FY 2020-2021 AND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION JANUARY 2020 EDITION, AS AMENDED BY CONTRACT DOCUMENTS.

ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN ALTERED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

REVISIONS			
NO.	DESCRIPTION	BY	DATE

ENGINEER OF RECORD
STEPHEN CHERRY, PE
PE# 83268
SEPTEMBER 4, 2020

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY
STEPHEN CHERRY, P.E.
ON THE DATE ADJACENT TO THE SEAL.
PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND
SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC
COPIES.
WGI, INC.
2316 KILLAM CENTER BLVD, BUILDING C
TALLAHASSEE, FL 32309
CERTIFICATE OF AUTHORIZATION: 6091
STEPHEN CHERRY, P.E. NO. 55944

APPROVED FOR CONSTRUCTION

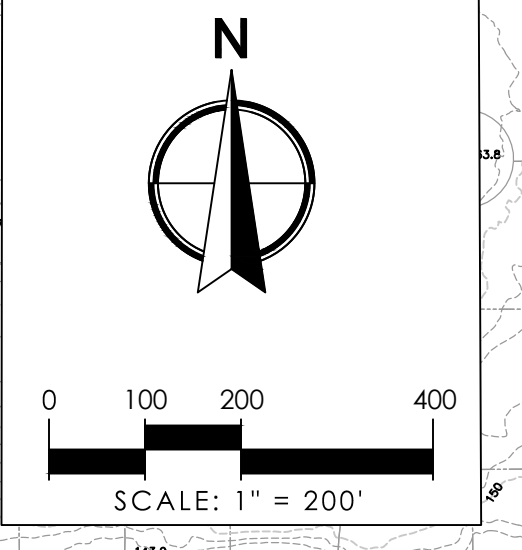
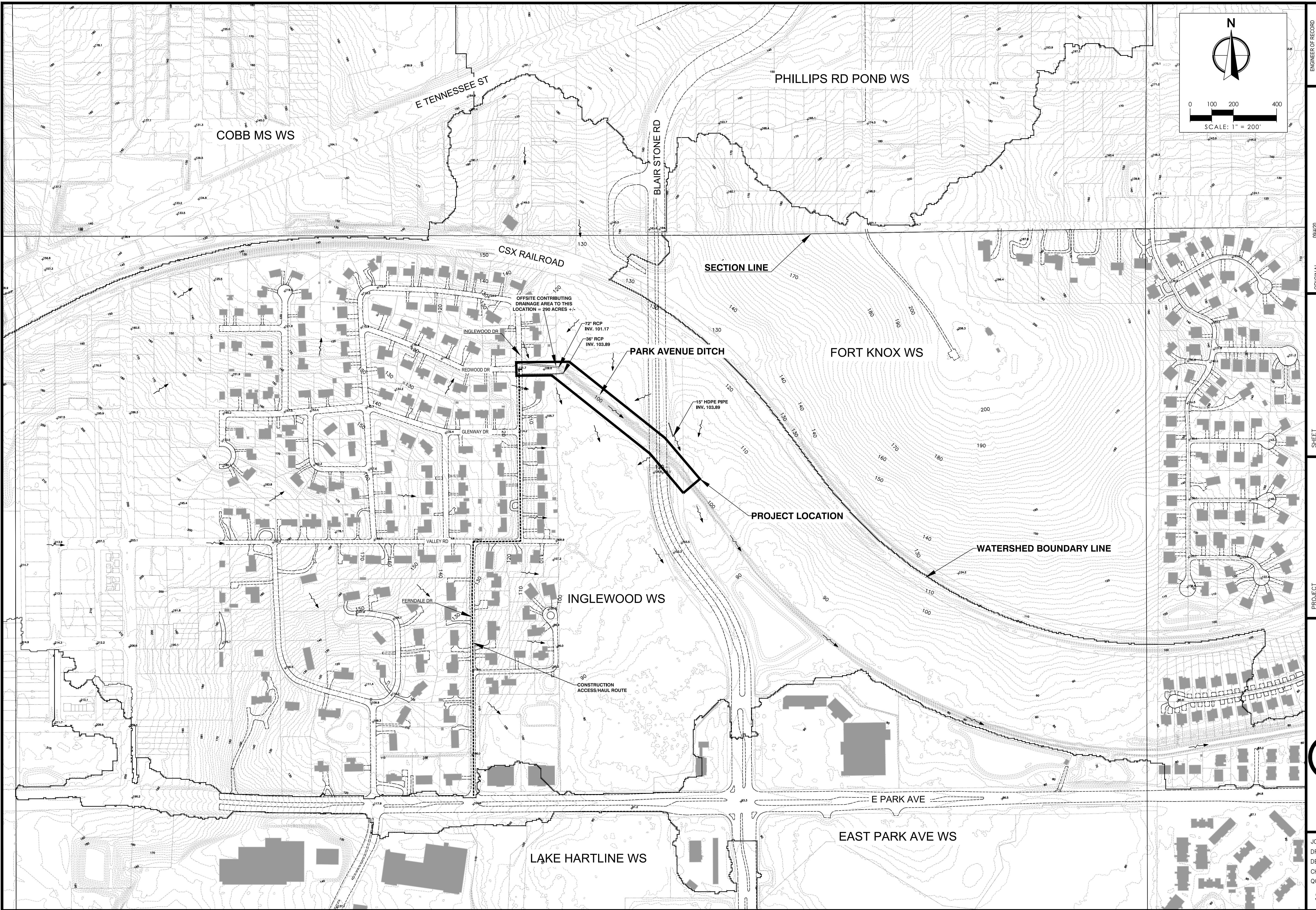
Ray Einarson

UUPI-STORMWATER MANAGEMENT

DATE: 12/13/2020

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ENGINEER OF RECORD
STEPHEN C. CHERRY, P.E.
P.E. NO. 63288

ORIGINAL: 09/02/20

REVISIONS:	1	2	3	4	5

SHEET
PROJECT
**PARK AVENUE DITCH STABILIZATION
AT BLAIR STONE ROAD BRIDGE**
DRAINAGE MAP

PROJECT
**PARK AVENUE DITCH STABILIZATION
AT BLAIR STONE ROAD BRIDGE**



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JOB NO.	3600.10
DRAWN	RBL
DESIGNED	SCC
CHECKED	SCC
QC	JWR

SHEET 2

GENERAL NOTES:

- THE CONTRACTOR SHALL HAVE ALL REQUIRED PERMITS IN-HAND PRIOR TO BEGINNING CONSTRUCTION, AND SHALL PERFORM ALL WORK IN ACCORDANCE WITH THE REQUIREMENTS OF THE PERMITS OBTAINED BY THE CITY AND THOSE PERMITS OBTAINED BY THE CONTRACTOR.
- AT LEAST THREE CALENDAR DAYS PRIOR TO THE PRECONSTRUCTION CONFERENCE, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER FOR APPROVAL A TENTATIVE BASE CONSTRUCTION SCHEDULE, A PRECONSTRUCTION SURVEY, A TRAFFIC CONTROL PLAN, AND A SEDIMENT AND EROSION CONTROL PLAN. NO WORK SHALL BEGIN PRIOR TO APPROVAL OF THE CONSTRUCTION SCHEDULE, PRECONSTRUCTION SURVEY, TRAFFIC CONTROL PLAN, AND SEDIMENT AND EROSION CONTROL PLAN.
- THE CONSTRUCTION SCHEDULE SHALL DESCRIBE IN DETAIL HOW THE CONSTRUCTION IS TO BE PHASED, ESTABLISH START AND FINISH DATES FOR ALL SIGNIFICANT CONSTRUCTION ACTIVITIES, AND IDENTIFY ALL CONTROLLING ITEMS OF WORK. THE SCHEDULE IS TO BE APPROVED BY THE ENGINEER, AND SHALL BE UPDATED ON A MONTHLY BASIS TO REFLECT ACTUAL WORK PROGRESS. THE UPDATED SCHEDULE SHALL BE SUBMITTED TO THE ENGINEER NO LATER THAN THREE DAYS PRIOR TO EACH SCHEDULED MONTHLY PROGRESS MEETING. PAYMENT FOR PREPARING, UPDATING AND SUBMITTING THE SCHEDULE SHALL BE INCLUDED IN THE PAY ITEM FOR MOBILIZATION.
- THE PRECONSTRUCTION SURVEY SHALL VERIFY THE CONTROL POINTS AND BENCH MARK ELEVATIONS PROVIDED BY THE ENGINEER AND SHALL ALSO ESTABLISH THE LOCATION AND DESCRIPTION OF ALL ADDITIONAL REFERENCE POINTS AND THE LOCATIONS, DESCRIPTIONS, AND ELEVATIONS OF ALL ADDITIONAL BENCHMARKS TO BE USED IN CONSTRUCTING THE PROJECT. THE SURVEY SHALL BE SIGNED AND SEALED BY A PROFESSIONAL SURVEYOR AND MAPPER REGISTERED IN THE STATE OF FLORIDA. SIGNIFICANT INCONSISTENCIES BETWEEN THE FIELD NOTES AND THE CONTROL POINTS AND BENCH MARK ELEVATIONS PROVIDED BY THE ENGINEER SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION PRIOR TO ISSUANCE OF THE NOTICE TO PROCEED. PAYMENT SHALL BE INCLUDED IN THE PAY ITEM FOR MOBILIZATION.
- THE GEOTECHNICAL INFORMATION SHOWN ON THE DRAWINGS WAS OBTAINED FOR USE IN ESTABLISHING DESIGN CRITERIA FOR THE PROJECT. THIS INFORMATION MAY NOT ACCURATELY REFLECT ACTUAL SOIL CONDITIONS AS TO THE DEPTH, EXTENT OR CHARACTER OF THE MATERIAL TO BE ENCOUNTERED IN CONSTRUCTION OF THE PROJECT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE SUCH EXAMINATION OF THE SITE OF THE WORK AS MAY BE NECESSARY TO DETERMINE THE CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED.
- THE CONTRACTOR IS RESPONSIBLE FOR PRESERVING ALL PROPERTY CORNERS AND MONUMENTS SHOWN ON THE DRAWINGS OR FOUND DURING CONSTRUCTION. IF A PROPERTY CORNER OR MONUMENT IS DESTROYED OR DISTURBED, THE CONTRACTOR WILL HAVE IT REPLACED AND CERTIFIED BY A PROFESSIONAL SURVEYOR AND MAPPER REGISTERED IN THE STATE OF FLORIDA. ALL COSTS FOR PRESERVING, REPLACING AND CERTIFYING PROPERTY CORNERS AND MONUMENTS WILL BE INCLUDED IN THE PAY ITEM FOR MOBILIZATION.
- ANY NATIONAL GEODETIC SURVEY MONUMENT WITHIN THE LIMITS OF CONSTRUCTION MUST BE PROTECTED. IF IN DANGER OF DAMAGE, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER AND:

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF SURVEY AND MAPPING
3900 COMMONWEALTH BLVD.
TALLAHASSEE, FLORIDA 32399-3000
(850) 245-2118
PUBLIC.SERVICES@DEP.STATE.FL.US
- THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES. THE INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES IS BASED ON INFORMATION PROVIDED BY THE UTILITY OWNERS, AVAILABLE RECORDS, AND SURVEYED FIELD INFORMATION. THE INFORMATION MAY NOT REFLECT ACTUAL CONDITIONS. INCLUDE ALL UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED, OR SHOW THE UTILITIES IN THE CORRECT HORIZONTAL OR VERTICAL LOCATIONS. THE CONTRACTOR SHALL MAKE HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UTILITIES AS NECESSARY TO ESTABLISH THEIR LOCATIONS AND AVOID DAMAGE. THE FOLLOWING UTILITIES SHOULD BE CONTACTED FOR INFORMATION CONCERNING TYPE AND LOCATION OF THEIR FACILITIES. THE LIST MAY NOT INCLUDE ALL UTILITIES IN THE AREA.

SUNSHINE STATE ONE-CALL OF FLORIDA 811 OR 800-432-4770 (5 DAYS NOTIFICATION PRIOR TO CONSTRUCTION)
CITY OF TALLAHASSEE/ELECTRICAL UTILITY 850-891-5091
CITY OF TALLAHASSEE/GAS UTILITY 850-891-5100
CITY OF TALLAHASSEE/WATER UTILITY 850-891-6107
CITY OF TALLAHASSEE/SEWER UTILITY 850-891-6107
COMCAST (CABLE TELEVISION) 850-574-4060
CENTURYLINK (TELEPHONE) 850-599-1502
AT&T (COMMUNICATIONS) 850-242-9087
SOUTHERN LIGHT (COMMUNICATIONS) 251-662-1170
- PRIOR TO ANY SCHEDULED INTERRUPTION OF UTILITY SERVICE, THE CONTRACTOR SHALL COORDINATE SUCH INTERRUPTION WITH THE UTILITY PROVIDER AND SHALL PROVIDE A MINIMUM 24-HOUR NOTICE TO THE AFFECTED PARTIES. IN THE CASE OF A WATER MAIN SHUT DOWN, A MINIMUM 24-HOUR NOTICE ALSO SHALL BE PROVIDED TO THE TALLAHASSEE FIRE DEPARTMENT. THE CONTRACTOR SHALL NOTIFY THE ELECTRIC UTILITY A MINIMUM OF TWO WEEKS PRIOR TO CONSTRUCTION IN THE VICINITY OF THEIR FACILITIES.
- THE CONTRACTOR SHALL NOTIFY THE GAS UTILITY (850-891-5100) A MINIMUM OF TWO WORKING DAYS PRIOR TO ANY EXCAVATION IN THE VICINITY OF GAS MAINS, AS REQUIRED BY CHAPTER 77-153 OF THE FLORIDA STATUTES. A GAS DEPARTMENT INSPECTOR WILL BE ON SITE WHEN WORK ACTIVITIES TAKE PLACE NEAR GAS MAINS. A MINIMUM OF 72 HOURS NOTICE SHALL BE PROVIDED FOR ANY REQUEST FOR GAS MAIN EXPOSURE OR ADJUSTMENT.
- ALL UTILITIES IN CONFLICT WITH CONSTRUCTION ARE TO BE ADJUSTED OR RELOCATED BY OTHERS UNLESS NOTED OTHERWISE ON THE DRAWINGS OR DIRECTED BY THE ENGINEER.
- WHERE THE REQUIRED MINIMUM SEPARATION BETWEEN UTILITIES IS SPECIFIED, THE DISTANCE SHALL BE MEASURED FROM OUTSIDE OF PIPE TO OUTSIDE OF PIPE.
- LIMITS OF RIGHTS-OF-WAY ARE DEFINED IN THE PLANS AND CONSIST OF ROADWAY RIGHTS-OF-WAY, CITY OF TALLAHASSEE PROPERTIES, DRAINAGE RIGHTS-OF-WAY, PERMANENT DRAINAGE AND/OR UTILITY EASEMENTS, AND TEMPORARY CONSTRUCTION EASEMENTS.
- NO TRENCHES WILL BE ALLOWED TO REMAIN OPEN OVERNIGHT.
- ALL EXISTING DRAINAGE STRUCTURES AND PIPES, PAVEMENT, SIDEWALKS, CURBS, ETC., WITHIN THE LIMITS OF CONSTRUCTION ARE TO REMAIN UNLESS OTHERWISE NOTED ON THE DRAWINGS OR DIRECTED BY THE ENGINEER. ALL DRAINAGE STRUCTURES, PIPES, PAVEMENT, SIDEWALKS, CURBS, ETC., THAT ARE TO REMAIN THAT ARE DAMAGED DURING CONSTRUCTION ARE THE RESPONSIBILITY OF THE CONTRACTOR AND IF DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED WITH THE SAME TYPE AND MATERIAL AT NO COST TO THE CITY.
- ALL STORM MANHOLES OR STRUCTURES DESIGNATED TO BE ABANDONED IN PLACE SHALL BE REMOVED TO A MINIMUM OF THREE FEET BELOW GRADE AND FILLED WITH COMPACTED SAND.
- EXISTING CONCRETE AND ASPHALTIC CONCRETE DRIVEWAYS AND SIDEWALKS SHALL BE SAW-CUT AS REQUIRED FOR CONSTRUCTION.
- ALL SIDEWALKS AND CURB RAMPS REMOVED DURING CONSTRUCTION SHALL BE RECONSTRUCTED TO MEET CURRENT ADA STANDARDS.
- THE CONTRACTOR SHALL PUT FORTH EVERY REASONABLE EFFORT TO MINIMIZE DISRUPTION AND DISTURBANCE OF ADJACENT PROPERTIES. ACCESS BY PROPERTY OWNERS AND RESIDENTS TO THEIR PROPERTY SHALL BE MAINTAINED AT ALL TIMES. ANY BARRICADING OF ACCESS MUST BE COORDINATED WITH THE AFFECTED PROPERTY OWNERS AND RESIDENTS.
- ALL FENCES IN CONFLICT WITH CONSTRUCTION SHALL BE REMOVED AND REPLACED IN THEIR ORIGINAL LOCATIONS OR IN OTHER LOCATIONS AS DIRECTED BY THE ENGINEER. THE CONTRACTOR MAY, AT HIS OPTION, USE NEW FENCING MATERIAL OF THE SAME TYPE THAT WAS REMOVED OR REUSE THE FENCING MATERIAL THAT WAS REMOVED IF IT IS UNDAMAGED BY CONSTRUCTION ACTIVITIES. ALL FENCES DAMAGED BY CONSTRUCTION ACTIVITIES ARE TO BE REPLACED WITH NEW FENCING MATERIAL OF THE SAME TYPE THAT WAS REMOVED.
- THE CONTRACTOR SHALL EXERCISE DUE CARE IN THE REMOVAL OF EXISTING FENCES TO MAINTAIN SECURITY AT THE AFFECTED PROPERTIES AND TO ENSURE THE SAFETY OF PETS, ANIMALS AND CHILDREN. IF IN THE OPINION OF THE ENGINEER, REMOVAL OF A FENCE WILL RESULT IN AN UNACCEPTABLE REDUCTION IN SECURITY OR SAFETY, THE CONTRACTOR SHALL INSTALL A TEMPORARY FENCE AS DIRECTED BY THE ENGINEER PRIOR TO REMOVAL OF THE EXISTING FENCE. THE TEMPORARY FENCE SHALL REMAIN IN PLACE UNTIL THE PERMANENT FENCE IS INSTALLED.
- THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL TREES AND LANDSCAPING ON ADJACENT PROPERTIES, AND WILL BE SOLELY LIABLE FOR DAMAGE TO VEGETATION ON PROPERTIES ADJACENT TO CONSTRUCTION WORK ZONES. ALL TREES WITHIN THE LIMITS OF CONSTRUCTION THAT ARE NOT IDENTIFIED ON THE PLANS TO BE REMOVED SHALL BE PROTECTED TO THE MAXIMUM EXTENT PRACTICABLE. TREE PROTECTION BARRICADES SHALL BE INSTALLED AND MAINTAINED AROUND ALL TREES THAT ARE TO BE PROTECTED AS SHOWN ON THE DRAWINGS OR AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL NOT DISTURB GRASSING OR LANDSCAPING OUTSIDE CONSTRUCTION WORK ZONES. THE CONTRACTOR SHALL BE SOLELY LIABLE FOR DAMAGE TO VEGETATION OUTSIDE CONSTRUCTION WORK ZONES AND SHALL RESTORE AT NO COST TO THE CITY ANY AREAS THAT ARE DAMAGED INCLUDING AREAS WITHIN THE LIMITS OF CONSTRUCTION OR ON ADJACENT PROPERTIES USING, TO THE EXTENT PRACTICABLE, THE SAME TYPES AND SIZES OF PLANT MATERIAL THAT EXISTED PRIOR TO CONSTRUCTION.
- THE LOCATION AND CONSTRUCTION OF MAILBOXES SHALL BE IN CONFORMANCE WITH THE RULES AND REGULATIONS OF THE UNITED STATES POSTAL SERVICE. WHEN A MAILBOX IN CONFLICT WITH CONSTRUCTION IS REMOVED, THE CONTRACTOR SHALL FURNISH AND INSTALL A TEMPORARY MAILBOX AND SHALL MAINTAIN THE TEMPORARY MAILBOX UNTIL A NEW MAILBOX IS INSTALLED. THE CONTRACTOR SHALL CONSTRUCT A NEW MAILBOX TO MATCH, AS CLOSE AS PRACTICABLE, THE LOCATION, TYPE, SIZE, MATERIAL, AND COLOR OF THE ORIGINAL MAILBOX. IN LIEU OF CONSTRUCTING A NEW MAILBOX, THE EXISTING MAILBOX MAY BE REUSED IF IT MEETS THE RULES AND REGULATIONS OF THE UNITED STATES POSTAL SERVICE AND IS FUNCTIONALLY SOUND.
- DISTURBED AREAS SHALL BE COMPACTED (AT A MINIMUM) EQUAL TO ADJACENT UNDISTURBED GROUND EXCEPT WHEN OTHERWISE SPECIFIED.
- PROPERTIES ADJACENT TO WORK ZONES SHALL BE GRADED TO DRAIN WITHIN THE LIMITS OF CONSTRUCTION.

- ALL DISTURBED AREAS WITHIN CONSTRUCTION WORK ZONES ARE TO BE GRASSED EXCEPT FOR AREAS THAT ARE LANDSCAPED, PAVED, OR BELOW NORMAL WATER LEVEL. EXISTING GRASSED AREAS SHALL BE REPLANTED WITH SOD OF THE SAME GRASS TYPE AS EXISTING, UNLESS OTHERWISE SHOWN ON THE PLANS OR DIRECTED BY THE ENGINEER. CENTIPEDE SOD WILL BE USED FOR DISTURBED AREAS NOT CURRENTLY GRASSED. REINFORCEMENT MAT SHALL BE INSTALLED BENEATH SOD PLACED ON SLOPES OF 1V:2H OR STEEPER, AND THE SOD SHALL BE STAPLED. COSTS FOR REINFORCEMENT MAT, STAPLING, FERTILIZING, AND WATERING SHALL BE INCLUDED IN THE UNIT PRICE OF THE PAY ITEM FOR PERFORMANCE TURF.

- PRIOR TO REQUESTING A FINAL INSPECTION, THE CONTRACTOR SHALL PREPARE AND SUBMIT TO THE ENGINEER FOUR COMPLETE SETS OF CERTIFIED AS-BUILT RECORD DRAWINGS AND TWO COPIES OF THE DIGITAL FILES ON CD-ROM DISKS.

SUPPLEMENTAL GENERAL NOTES:

- CITY OF TALLAHASSEE SURVEYING SECTION, PROVIDED THE TOPOGRAPHY, BENCHMARKS, RIGHTS-OF-WAY AND UTILITY LOCATION INFORMATION SHOWN ON THE CONSTRUCTION DRAWINGS. ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

- THE CONTRACTOR SHALL PROTECT AND MAINTAIN ALL VALVE BOXES ON GAS AND WATER MAINS WITHIN THE LIMITS OF CONSTRUCTION THAT ARE TO REMAIN IN SERVICE. PRIOR TO COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL ADJUST ALL VALVE BOXES WITHIN CONSTRUCTION AREAS SO THE TOPS ARE FLUSH WITH FINISHED PAVEMENT OR WITH FINISHED GRADE IN UNPAVED AREAS.

SUPPLEMENTAL GENERAL NOTES - STORMWATER CONSTRUCTION:

- IF THE PLANS DO NOT DESIGNATE A TYPE OF PIPE, EITHER STEEL REINFORCED CONCRETE PIPE (MINIMUM CLASS III) IN ACCORDANCE WITH STANDARD SPECIFICATION 449-4 OR FLORIDA DEPARTMENT OF TRANSPORTATION APPROVED POLYPROPYLENE PIPE MAY BE USED. NON-REINFORCED CONCRETE PIPE MAY NOT BE USED. WHEN THE PLANS DESIGNATE A TYPE OF PIPE, THE CONTRACTOR MAY USE ONLY THE TYPE DESIGNATED. THE CONTRACTOR SHALL NOT USE A TYPE OF PIPE NOT DESIGNATED ON THE DRAWINGS WITHOUT WRITTEN APPROVAL FROM THE ENGINEER. POLYPROPYLENE PIPE MAY NOT BE USED FOR OPEN-ENDED PIPE RUNS, SUCH AS PIPES CONNECTING TO DITCHES OR PONDS. ON OPEN-ENDED PIPE RUNS, STEEL REINFORCED CONCRETE PIPE SHALL BE USED FOR THE ENTIRE RUN OF PIPE FROM THE OPEN END TO THE NEAREST DRAINAGE STRUCTURE. ALL PIPES SHALL BE CUT FLUSH WITH THE INSIDE OF DRAINAGE STRUCTURES.
- ALL REINFORCED CONCRETE PIPE SHALL BE INSTALLED USING SELECT MATERIAL FOR THE SOIL ENVELOPE AS SHOWN ON THE STORM DRAIN PIPE INSTALLATION DETAIL. BACKFILL AROUND POLYPROPYLENE PIPE SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.
- ALL JOINTS OF CONCRETE PIPES, CULVERTS, AND STORM DRAINS SHALL HAVE A FILTER FABRIC JACKET AS DETAILED ON STANDARD PLANS INDEX 430-001, UNLESS NOTED OTHERWISE ON THE DRAWINGS OR DIRECTED BY THE ENGINEER.
- ALL PIPE CULVERTS AND STORM DRAINS 48-INCHES OR LESS IN DIAMETER SHALL BE VIDEO TAPED IN ACCORDANCE WITH SECTION 430-4.8 OF THE STANDARD SPECIFICATIONS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- UNLESS NOTED OTHERWISE IN THE PLANS, THE CONTRACTOR SHALL TAKE OWNERSHIP OF ALL EXCAVATED MATERIALS NOT SUITABLE FOR BACKFILLING AND OF ALL EXCAVATED SUITABLE MATERIALS THAT ARE NOT REQUIRED FOR BACKFILLING OR FOR OTHER USE ON SITE AND SHALL DISPOSE OF THE MATERIALS OUTSIDE THE PROJECT LIMITS AT NO ADDITIONAL COST TO THE CITY.
- ALL CURB INLETS, DITCH BOTTOM INLETS, AND MANHOLES SHALL HAVE TRAFFIC BEARING FRAMES AND COVERS OR GRATES MEETING HS-20 LOADING REQUIREMENTS UNLESS OTHERWISE SHOWN ON THE PLANS.
- ALL STORM DRAIN COVERS SHALL BE TYPE USF T1 (U.S. FOUNDRY NO. 8017195), NPR15-728 (EJ GROUP COVER NO. 3062A2), OR APPROVED EQUAL.
- ALL TYPE J STRUCTURE BOTTOMS SHALL HAVE A MINIMUM 6'-0" WALL HEIGHT WHEN POSSIBLE.
- ALL GRATES SHALL BE CHAINED AND LOCKED IN ACCORDANCE WITH STANDARD PLANS INDEX 425-001. COST OF EYEBOLTS AND CHAIN SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE STRUCTURES.
- UTILITIES IN CONFLICT WITH THE INSTALLATION OF A NEW STORM DRAIN ARE TO BE ADJUSTED OR RELOCATED TO ELIMINATE THE CONFLICT. IF THE CONFLICT CANNOT BE REASONABLY AVOIDED, A CONFLICT STRUCTURE WITH ACCESS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD PLANS INDEX 425-080 WITH THE EXCEPTION THAT FOR UTILITY CONFLICT CONDITION II (PRESSURE OR FLUID CARRIER INSTALLATIONS), A CARRIER PIPE IS NOT REQUIRED IF DUCTILE IRON PIPE IS USED FOR THE UTILITY AND NO PIPE JOINTS ARE LOCATED WITHIN THE CONFLICT STRUCTURE. "NOTCHING" OF A STORM DRAIN PIPE OR STRUCTURE TO ACCOMMODATE A UTILITY SHALL NOT BE ALLOWED. NO UTILITY SHALL BE INSTALLED THROUGH ANY PORTION OF A STORM DRAIN PIPE WITHOUT A CONFLICT STRUCTURE.

SUPPLEMENTAL GENERAL NOTES - TRAFFIC CONTROL:

- THE CONTRACTOR SHALL PREPARE A TRAFFIC CONTROL PLAN THAT DESCRIBES THE MEASURES TO BE EMPLOYED DURING CONSTRUCTION TO WARN MOTORISTS AND PEDESTRIANS OF HAZARDS, TO ADVISE MOTORISTS OF THE PROPER TRAVEL PATH THROUGH OR AROUND THE WORK AREA, TO DELINEATE AREAS WHERE TRAFFIC SHOULD NOT OPERATE, AND TO SEPARATE AND PROTECT MOTORISTS, PEDESTRIANS, AND THE WORK FORCE DURING ALL PHASES OF THE WORK. THE PLAN SHALL ALSO CONSIDER ACCESS TO BUSINESSES WITHIN THE CONSTRUCTION AREA AND PROVIDE BUSINESS ENTRANCE SIGNS TO ROUTE MOTORISTS TO DESIGNATED PARKING AREAS. THE CONTRACTOR SHALL OBTAIN APPROVAL OF THE TRAFFIC CONTROL PLAN FROM THE CITY OF TALLAHASSEE ELECTRIC UTILITY-TRAFFIC ENGINEERING PRIOR TO BEGINNING CONSTRUCTION. PAYMENT FOR PREPARING AND SUBMITTING THE TRAFFIC CONTROL PLAN SHALL BE INCLUDED IN THE PAY ITEM FOR MOBILIZATION.
- ACCESS TO BUSINESS AND RESIDENTIAL DRIVEWAYS SHALL BE MAINTAINED AT ALL TIMES.
- NO ROADWAYS (INCLUDING COUNTY ROADS) SHALL BE CLOSED WITHOUT PRIOR APPROVAL OF CITY OF TALLAHASSEE TRAFFIC ENGINEERING.
- ALL TRAFFIC CONTROL DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND/OR THE FLORIDA DEPARTMENT OF TRANSPORTATION DESIGN STANDARDS.
- ALL TRAFFIC CONTROL DEVICES SHALL BE IN PLACE BEFORE THE START OF CONSTRUCTION ON AFFECTED ROADWAYS.
- WARNING LIGHTS SHALL BE USED ON BARRICADES DURING HOURS OF DARKNESS IN ACCORDANCE WITH STANDARD PLANS INDEX 102-600.

SUPPLEMENTAL GENERAL NOTES - SEDIMENT AND EROSION CONTROL:

- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE PREVENTION, CONTROL, AND ABATEMENT OF EROSION, WATER POLLUTION, AND THE TRANSPORTATION OF ERODED MATERIALS OFF SITE.
- THE CONTRACTOR SHALL PREPARE AND SUBMIT TO THE ENGINEER A SEDIMENT AND EROSION CONTROL PLAN TO ACCOMPANY THE STORMWATER POLLUTION PREVENTION PLAN AND THE SEDIMENT AND EROSION CONTROL PLAN INCLUDED IN THESE PLANS. THE SEDIMENT AND EROSION CONTROL PLAN SHALL BE PREPARED IN ACCORDANCE WITH THE "FLORIDA EROSION AND SEDIMENT CONTROL MANUAL" AND SHALL BE SPECIFIC TO THE MEANS, METHODS, AND SEQUENCE OF CONSTRUCTION TO BE EMPLOYED BY THE CONTRACTOR AND SHALL IDENTIFY THE TYPES AND LOCATIONS OF CONTROLS THAT ARE TO BE IMPLEMENTED DURING EACH PHASE OF CONSTRUCTION AS SHOWN ON THE APPROVED CONSTRUCTION SCHEDULE TO MINIMIZE EROSION, PREVENT THE TRANSFER OF ERODED MATERIALS ONTO ANY OFF SITE PARCEL OR INTO ANY RECEIVING WATER, AND PREVENT VIOLATING STATE AND/OR FEDERAL PERMIT REQUIREMENTS. PAYMENT FOR PREPARING AND SUBMITTING THE SEDIMENT AND EROSION CONTROL PLAN AND FOR ANY MODIFICATIONS TO THE SEDIMENT AND EROSION CONTROL PLAN DURING CONSTRUCTION WILL BE INCLUDED IN THE PAY ITEM FOR MOBILIZATION. THE SEDIMENT AND EROSION CONTROL PLAN SHALL DESCRIBE BUT NOT BE LIMITED TO THE FOLLOWING ITEMS FOR EACH PHASE OF CONSTRUCTION OPERATIONS OR ACTIVITIES:
A. TYPES AND LOCATIONS OF ALL EROSION CONTROL DEVICES
B. ESTIMATED TIME EROSION CONTROL DEVICES WILL BE IN OPERATION
C. METHODS FOR CONTAINMENT OR REMOVAL OF ERODED MATERIALS FROM DISCHARGES RELATED TO DEWATERING OPERATIONS
D. METHODS FOR CONTAINMENT OR REMOVAL OF POLLUTANTS OR HAZARDOUS WASTES
E. METHODS FOR MAINTENANCE OF EROSION CONTROL DEVICES
F. SCHEDULES FOR MONITORING AND MAINTAINING EROSION CONTROL DEVICES
G. NAME AND PHONE NUMBERS OF PERSON RESPONSIBLE FOR MONITORING AND MAINTAINING EROSION CONTROL DEVICES
- NO CONSTRUCTION ACTIVITIES SHALL BEGIN UNTIL THE SEDIMENT AND EROSION CONTROL PLAN HAS RECEIVED WRITTEN APPROVAL FROM THE ENGINEER.
- THE CONTRACTOR SHALL UPDATE THE SEDIMENT AND EROSION CONTROL PLAN WHENEVER THERE IS A CHANGE IN CONSTRUCTION SEQUENCE OR ACTIVITIES THAT HAS A SIGNIFICANT EFFECT ON THE POTENTIAL FOR THE DISCHARGE OF POLLUTANTS OFF SITE OR INTO ANY RECEIVING WATER AND SHALL SUBMIT THE UPDATED PLAN FOR REVIEW AND APPROVAL BY THE ENGINEER.
- EROSION AND SEDIMENT CONTROLS SHALL BE PLACED PRIOR TO OR AS THE FIRST STEP IN CONSTRUCTION AND SHALL BE IN PLACE BEFORE DISTURBING SOIL UPSTREAM OF THE CONTROL.
- FIELD CONDITIONS MAY REQUIRE THE USE OF ADDITIONAL TYPES AND QUANTITIES OF SEDIMENT AND EROSION CONTROL DEVICES DURING CONSTRUCTION AS DETERMINED BY THE CONTRACTOR, THE ENVIRONMENTAL INSPECTOR, OR THE ENGINEER.
- THE CONTRACTOR SHALL INSPECT ALL SEDIMENT AND EROSION CONTROL DEVICES PRIOR TO SUSPENSION OF WORK ACTIVITIES EACH DAY, IMMEDIATELY AFTER EACH RAINFALL, AND AT LEAST DAILY DURING PROLONGED RAINFALL TO ENSURE THAT THE DEVICES ARE PROPERLY LOCATED AND MAINTAINED FOR EFFECTIVENESS. ANY REQUIRED REMEDIAL ACTION SHALL BE PERFORMED IMMEDIATELY.
- SEDIMENT TRAPPED BY THE EROSION CONTROL DEVICES IS TO BE REMOVED BY THE CONTRACTOR AFTER EACH RAIN STORM.
- THE AMOUNT OF AREA DISTURBED AT ONE TIME SHALL BE LIMITED TO THE MINIMUM NECESSARY TO ADEQUATELY IMPLEMENT THE WORK. CONSTRUCTION OPERATIONS SHALL BE CONTROLLED TO MINIMIZE UNPROTECTED AREAS EXPOSED TO WEATHER, AND AREAS OUTSIDE THE LIMITS OF CONSTRUCTION SHALL NOT BE DISTURBED.
- EXCAVATED MATERIAL SHALL NOT BE DEPOSITED IN LOCATIONS WHERE IT COULD BE WASHED AWAY BY HIGH WATER OR BY STORMWATER RUNOFF, AND STOCKPILES SHALL BE COVERED OR ENCIRCLED WITH SEDIMENT CONTAINMENT DEVICES.
- DURING THE INSTALLATION OF STORM DRAIN OR UTILITY PIPING, SYNTHETIC BALE BARRIERS SHALL BE PLACED BELOW THE WORK ZONES TO AID IN CONTROLLING THE TRANSFER OF ERODED MATERIAL OFF SITE.

- NEW AND EXISTING DRAINAGE STRUCTURES SHALL BE PROTECTED FROM SILTATION DURING CONSTRUCTION. BARRIERS SHALL BE PLACED AROUND ALL INCOMPLETE STORMWATER INLETS AND MANHOLES DURING CONSTRUCTION. CURB INLET FILTERS SHALL BE PLACED ACROSS THE THROATS OF ALL EXISTING AND COMPLETED CURB INLETS.
- EXISTING FLOW CAPACITY SHALL BE MAINTAINED IN THE DRAINAGE SYSTEMS TO CONVEY RUNOFF FROM RAIN STORMS THAT OCCUR DURING CONSTRUCTION. EXISTING DRAINAGE PIPES THAT ARE NOTED TO BE PLUGGED OR REMOVED SHALL REMAIN IN SERVICE UNTIL FLOWS CAN BE DIVERTED TO THE NEW DRAINAGE SYSTEM. WHERE NEW PIPES ARE TO BE INSTALLED IN CLOSE PROXIMITY TO EXISTING PIPES THAT ARE TO BE REMOVED, PROVISIONS SHALL BE MADE TO DIVERT FLOWS FROM THE EXISTING PIPES TO THE NEW PIPES PRIOR TO RAIN STORMS. TEMPORARY PIPES SHALL BE PLACED FOR THIS PURPOSE PRIOR TO SUSPENSION OF WORK ACTIVITIES EACH DAY.
- NO MORE THAN 500 FEET OF STORM DRAIN OR UTILITY PIPING SHALL BE INSTALLED WITHOUT BACKFILLING AND COMPACTING THE PIPE TRENCH.
- STABILIZATION MEASURES SHALL BE INITIATED FOR EROSION AND SEDIMENT CONTROL ON DISTURBED AREAS AS SOON AS PRACTICABLE, BUT IN NO CASE MORE THAN 14 DAYS AFTER CONSTRUCTION ACTIVITY IN THOSE PORTIONS OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.
- PERMANENT SOIL EROSION CONTROL MEASURES FOR ALL DISTURBED LAND AREAS SHALL BE COMPLETED IMMEDIATELY AFTER FINAL GRADING. WHEN IT IS NOT POSSIBLE TO PERMANENTLY PROTECT A DISTURBED AREA IMMEDIATELY AFTER GRADING OPERATIONS, TEMPORARY EROSION CONTROL MEASURES SHALL BE INSTALLED. ALL TEMPORARY EROSION CONTROL DEVICES SHALL BE MAINTAINED UNTIL PERMANENT MEASURES ARE IN PLACE AND ESTABLISHED.
- THE CONTRACTOR SHALL OBTAIN AN ENVIRONMENTAL MANAGEMENT PERMIT FROM THE CITY OF TALLAHASSEE GROWTH MANAGEMENT DEPARTMENT FOR ALL STOCKPILE AND CONSTRUCTION STAGING AREAS LOCATED OUTSIDE THE LIMITS OF CONSTRUCTION.

SUPPLEMENTAL GENERAL NOTES - TREE PROTECTION:

- BARRICADE FENCING SHALL BE INSTALLED AT OR NEAR THE CRITICAL PROTECTION ZONE OF EACH TREE TO BE PROTECTED PRIOR TO INITIATION OF ANY CONSTRUCTION ACTIVITY, AND THE FENCING SHALL REMAIN IN PLACE UNTIL ALL CONSTRUCTION ACTIVITY HAS BEEN COMPLETED.
- ALL ROOTS 3/4" IN DIAMETER AND LARGER OF TREES TO BE PROTECTED OR PRESERVED THAT ARE EXPOSED DURING TRENCHING AND EXCAVATION SHALL BE CLEANLY CUT WITH A HANDSAW AND COVERED IMMEDIATELY WITH SOIL OR KEPT MOISTENED WITH WET BURLAP OR PEAT MOSS UNTIL THE TRENCH CAN BE FILLED. WHEN IT IS NOT POSSIBLE TO BACKFILL IN THE SAME DAY, THE ROOTS SHALL BE FRESHLY CUT WITH A HANDSAW A REASONABLE DISTANCE FROM THE ORIGINAL CUT AND BACKFILLED IMMEDIATELY TO AVOID SOIL OR ROOT DEHYDRATION.

ORIGINAL APRIL 2019
REVISIONS:
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GENERAL NOTES

PROJECT
PARK AVENUE DITCH STABILIZATION
AT BLAIR STONE ROAD BRIDGE



JOB NO. 3600.10
DRAWN RJM
DESIGNED RJM
CHECKED FSF
QC FSF

City of Tallahassee
Water Resources Engineering Division
City Hall, 500
Tallahassee, FL 32301-1731
Date
Signature

GENERAL PAY ITEM NOTES:

- NO SEPARATE PAYMENT WILL BE MADE FOR DEWATERING. THE COSTS FOR DEWATERING SHALL BE INCLUDED IN THE UNIT PRICES FOR ANY ITEMS REQUIRING DEWATERING.
- NO SEPARATE PAYMENT WILL BE MADE FOR FILTER FABRIC. THE COSTS FOR FILTER FABRIC SHALL BE INCLUDED IN THE UNIT PRICES FOR ANY ITEMS REQUIRING FILTER FABRIC.
- NO SEPARATE PAYMENT WILL BE MADE FOR VIDEO TAPING PIPE CULVERTS. THE COSTS FOR VIDEO TAPING ARE INCLUDED IN THE UNIT PRICES FOR PIPE CULVERT.
- ADDITIONAL QUANTITIES OF EROSION CONTROL AND/OR TREE PROTECTION ITEMS MAY BE NECESSARY AS DETERMINED DURING CONSTRUCTION BY THE CONTRACTOR, THE ENVIRONMENTAL INSPECTOR, OR BY THE ENGINEER AND MUST BE APPROVED BY THE ENGINEER.
- UNIT PRICES FOR PIPES, CULVERTS, SEWER PIPE AND WATER MAIN INCLUDE THE COSTS FOR FURNISHING, INSTALLING, MAINTAINING AND REMOVAL OF 1.5 INCH MINIMUM THICKNESS OF ASPHALT PAVEMENT MILLINGS OR FINE TYPE SP ASPHALTIC CONCRETE AT THE GROUND SURFACE OF ALL PIPE AND BOX CULVERT TRENCHES IN PAVED AREAS FOR THE PURPOSE OF SEDIMENT AND EROSION CONTROL UNTIL THE FINAL PAVEMENT IS PLACED.

STORMWATER PAY ITEM NOTES:

- 101-1: MOBILIZATION**
THE UNIT PRICE ALSO INCLUDES ALL COSTS FOR PREPARATION OF AN APPROVED CONSTRUCTION PROGRESS SCHEDULE, AN APPROVED EROSION CONTROL PLAN, AN APPROVED TRAFFIC CONTROL PLAN, AN APPROVED DEWATERING PLAN, THE PRECONSTRUCTION SURVEY, PREPARING AND SUBMITTING APPROVED SHOP DRAWINGS, AND FURNISHING, INSTALLING, AND REMOVING THE PROJECT SIGNS.
- 102-1: MAINTENANCE OF TRAFFIC**
THE UNIT PRICE CONSTITUTES FULL COMPENSATION FOR ALL LABOR AND MATERIALS REQUIRED TO IMPLEMENT THE APPROVED TRAFFIC CONTROL PLAN TO SAFELY MAINTAIN TRAFFIC AROUND OR THROUGH THE WORK ZONE NOT INCLUDED FOR PAYMENT UNDER OTHER RELATED PAY ITEMS, INCLUDING WARNING AND REGULATORY SIGNS, MESSAGE BOARDS, DRUMS, BARRICADES, CHANNELIZING DEVICES, TEMPORARY CONCRETE BARRIER, WARNING LIGHTS, FLAGGERS, BUSINESS ENTRANCE SIGNS, MAINTENANCE OF EXISTING DRIVEWAYS, TEMPORARY PAVEMENT, AND REMOVAL AND REINSTALLATION OF EXISTING SIGNS IN CONFLICT WITH CONSTRUCTION AS DIRECTED BY THE ENGINEER. NO ADJUSTMENTS WILL BE MADE TO THE CONTRACT PRICE FOR INCREASES IN CONTRACT TIME.
- 102-70: TEMPORARY BARRICADE FENCE (ORANGE)**
THE UNIT PRICE CONSTITUTES FULL COMPENSATION FOR ALL LABOR AND MATERIALS NECESSARY FOR THE INSTALLATION, MAINTENANCE, AND REMOVAL OF TEMPORARY BARRICADE FENCE. THIS ITEM IS TO BE USED FOR PEDESTRIAN SAFETY, TREE PROTECTION, OR AS DIRECTED BY THE ENGINEER.
- 104-14: STORMWATER POLLUTION PREVENTION**
THE UNIT PRICE CONSTITUTES FULL COMPENSATION FOR ALL LABOR AND MATERIALS NECESSARY FOR THE INSTALLATION AND MAINTENANCE OF EROSION AND SEDIMENT CONTROL DEVICES AS REQUIRED TO PREVENT THE OFF-SITE TRANSPORT OF SEDIMENT, INCLUDING SEDIMENT BARRIERS, SOIL TRACKING PREVENTION DEVICE, SEDIMENT BASINS, AND CONTAINMENT SYSTEMS AS SHOWN ON THE PLANS AND/OR DESCRIBED IN THE STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL. THE PRICE ALSO INCLUDES THE PERIODIC REMOVAL AND DISPOSAL OF ACCUMULATED SEDIMENT, AND REMOVAL AND DISPOSAL OFF-SITE OF EROSION AND SEDIMENT CONTROL MATERIALS, INCLUDING ROCK AND RUBBLE RIPRAP, AT COMPLETION OF CONSTRUCTION, FURNISHING AND PLACING SUITABLE MATERIAL AS REQUIRED TO FILL SEDIMENT SURFACES, ANY PERMITS AND FEES REQUIRED FOR OFF-SITE DISPOSAL, AND TURBIDITY MONITORING IN COMPLIANCE WITH THE ENVIRONMENTAL PERMITS.
- 110-1-1: CLEARING AND GRUBBING**
THE UNIT PRICE ALSO INCLUDES REMOVAL AND DISPOSAL OF ASPHALT, BASE, SUB-BASE, CURBS, SIDEWALKS, DRIVEWAYS, DRAINAGE STRUCTURES, PIPES, FENCES, SANITARY SEWER PIPES & STRUCTURES, AND ALL OTHER STRUCTURES AND OBSTRUCTIONS NECESSARY TO BE REMOVED AND FOR WHICH OTHER ITEMS OF THE CONTRACT DO NOT SPECIFY THE REMOVAL THEREOF. PARTIAL PAYMENTS WILL BE BASED UPON THE ESTIMATED TOTAL VALUE OF WORK COMPLETED TO THE DATE OF THE ESTIMATE AS DETERMINED BY THE ENGINEER. ALL PARTIAL ESTIMATES AND PAYMENTS ARE SUBJECT TO CORRECTION IN SUBSEQUENT ESTIMATES AND PAYMENT. THE UNIT PRICE ALSO INCLUDES ALL COSTS FOR REMOVAL OF EXISTING FENCES AND RELOCATION OR REPLACEMENT WITH NEW FENCE OR WITH THE FENCING MATERIAL THAT WAS REMOVED IF IT IS UNDAMAGED, AND FOR THE RELOCATION OR REPLACEMENT OF MAILBOXES.
- 120-1 AND 120-63: REGULAR EXCAVATION, EMBANKMENT**
FINAL PAY QUANTITY WILL BE PLAN QUANTITY WITH NO CONSIDERATION FOR SPECIFICATION TOLERANCES.

425-1-SK: DITCH BOTTOM INLETS
UNLESS OTHERWISE NOTED IN THE PLANS, THE UNIT PRICES ALSO INCLUDE ALL COSTS FOR FURNISHING AND INSTALLING TRAFFIC BEARING GRATES MEETING HS-20 LOADING REQUIREMENTS. THE UNIT PRICES FOR DITCH BOTTOM INLETS WITH SLOTS ALSO INCLUDE ALL COSTS FOR FURNISHING AND INSTALLING 1 INCH DIAMETER POWDER COATED STEEL BARS CAST INTO THE STRUCTURES AS SHOWN IN THE PLANS.

430-175-118: PIPE CULVERT, CONCRETE
THE UNIT PRICES ALSO INCLUDE PAYMENT FOR SHEETING AND/OR SHORING, DEWATERING, FILTER FABRIC, FURNISHING, PLACING AND COMPACTING SELECT BEDDING MATERIAL, AND FURNISHING SELECT MATERIAL FOR BACKFILL WHEN SUITABLE MATERIAL IS NOT AVAILABLE ON SITE.

530-3-3 RIP RAP (BANK & SHORE)
FILTER FABRIC AND GRAVEL BASE SHALL BE INCLUDED IN THE UNIT PRICE.

531-76 AND 531-77: GABION MATTRESS AND GABION BASKET
THE UNIT PRICES CONSTITUTE FULL COMPENSATION FOR ALL LABOR AND MATERIALS REQUIRED TO CONSTRUCT GABION MATS, AND GABION BASKETS, INCLUDING FOUNDATION PREPARATION, FURNISHING AND INSTALLING FILTER FABRIC, FURNISHING, ASSEMBLING AND INSTALLING GABION MAT AND GABION BASKETS, FURNISHING AND PLACING STONE FILL, CLOSING AND LACING THE BASKETS, AND PLACING, COMPACTING AND FURNISHING SELECT MATERIAL FOR BACKFILL WHEN SUITABLE MATERIAL IS NOT AVAILABLE ON SITE.

550-10-220: FENCING, TYPE B
THE UNIT PRICES CONSTITUTE FULL COMPENSATION FOR FURNISHING AND ERECTING METAL CHAIN LINK FENCE WITH BLACK TYPE IV M181 CLASS A VINYL COATED FABRIC, INCLUDING ALL POSTS, RAILS, TRUSS RODS, TOP RAILS AND/OR TENSION WIRES AS INDICATED ON THE PLANS, TIE WIRES, STRETCHER BARS, MISCELLANEOUS FITTINGS, ANCHOR PLATES, ANCHORS, NUTS AND WASHERS, AND OTHER HARDWARE VINYL COATED OR PAINTED TO MATCH THE COLOR OF THE FABRIC.

570-1-12: PERFORMANCE TURF, SOD, CENTIPEDE
THE UNIT PRICES CONSTITUTE FULL COMPENSATION FOR ALL LABOR, MATERIALS, AND INCIDENTALS REQUIRED FOR ESTABLISHING A STAND OF GRASS BY SODDING IN ACCORDANCE WITH SECTION 570 OF THE STANDARD SPECIFICATIONS, INCLUDING FURNISHING AND PLACING SOD, PEGGING WHEN SPECIFIED IN THE PLANS, AND FURNISHING AND APPLYING FERTILIZER AND WATER. THE UNIT PRICES ALSO INCLUDE AND MAINTENANCE, INCLUDING LITTER REMOVAL AND MOWING UNTIL FINAL ACCEPTANCE.

1060-15: SANITARY SEWER ADJUSTMENT
THE UNIT PRICES INCLUDES ALL COST FOR MODIFYING EXISTING SEWER MANHOLE RING/COVER IN ACCORDANCE WITH DETAIL. ADJUSTMENT SHALL COMPLY WITH THE CITY OF TALLHASSEE TECH SPEC FOR WATER AND SEWER CONST. NOV. 2019.

531-77				531-76				
Begin Sta.	End Sta.	Distance (ft)	Height (ft)	Area (sf)	Volume (cy)	Width (ft)	Area (sf)	
GABION BASKETS								
LT								
14+43.00	15+30.00	87.00	12.0	63.00	203.00	12.50	12.50	
15+30.00	16+00.00	150.00	13.0	66.00	366.67	12.50	12.50	
16+00.00	17+10.00	30.00	12.0	63.00	70.00	12.50	12.50	
17+10.00	17+30.00	20.00	11.0	46.50	34.44	12.50	12.50	
17+30.00	17+67.00	37.00	10.0	43.50	59.61	12.50	12.50	
RT								
14+43.00	15+70.00	127.00	9.0	31.50	148.17	11.00	11.00	
15+70.00	15+90.00	20.00	10.0	43.50	32.22	11.00	11.00	
15+90.00	17+67.00	177.00	11.0	46.50	304.83	11.00	11.00	
Wing Wall								
L								
Top Basket	14+43.00	3.00	42.0	42.00	4.67			
Upper Middle Basket	14+43.00	3.00	42.0	42.00	4.67			
Lower Middle Basket	14+43.00	3.00	42.0	42.00	4.67			
Bottom Basket	14+43.00	3.00	42.0	42.00	4.67			
RT								
Top Basket	14+43.00	3.00	42.0	42.00	4.67			
Upper Middle Basket	14+43.00	3.00	42.0	42.00	4.67			
Lower Middle Basket	14+43.00	3.00	42.0	42.00	4.67			
Bottom Basket	14+43.00	3.00	42.0	42.00	4.67			
Totals (Cubic Yards):								
					1301	282		

EARTHWORK		120-1		120-63		Select Backfill	
Begin Sta.	Distance (ft)	Regular Excavation Area (sf)	Excavation Volume (cy)	Embankment Fill Area (sf)	Embankment Fill Volume (cy)	Select Backfill Area (sf)	Select Backfill Volume (cy)
14+10.00	15	202.06	117.27	0.18	0.00	0.00	0.00
14+25.00	15	220.10	170.23	0.30	0.51	0.00	0.00
14+40.00	3	392.74	43.64	1.53	0.17	0.00	6.95
14+43.00	7	392.74	81.77	1.53	1.52	125.04	32.42
14+50.00	25	238.07	214.18	9.96	7.35	125.04	115.82
14+75.00	25	224.55	208.56	5.91	3.34	125.13	115.81
15+00.00	25	225.94	223.05	1.30	8.50	125.01	115.76
15+25.00	25	256.85	172.26	17.26	21.34	125.03	119.18
15+50.00	25	276.12	249.75	28.83	17.88	132.40	125.04
15+75.00	25	283.84	243.35	8.71	4.03	137.68	129.99
16+00.00	25	262.29	253.94	0.00	0.53	142.88	132.30
16+25.00	25	286.21	259.25	1.15	7.56	142.88	132.30
16+50.00	14	274.76	261.18	15.19	30.74	142.88	74.09
16+64.00	11	295.47	354.45	103.39	43.40	142.88	58.21
16+75.00	25	290.39	243.80	109.66	89.97	142.88	127.03
17+00.00	25	286.21	197.97	84.67	45.38	131.50	116.67
17+25.00	25	191.40	171.83	13.34	9.57	120.50	108.68
17+50.00	17	311.96	154.80	7.34	6.53	114.25	71.94
17+67.00	3	311.96	34.86	14.87	1.57	0.00	6.35
17+70.00	30	311.96	256.22	14.87	13.89	0.00	0.00
18+00.00	25	149.24	154.99	9.23	7.50	0.00	0.00
18+25.00	25	185.53	154.99	6.96	0.00	0.00	0.00
Subtotal			4,141		320		1,588

EARTHWORK AND MATERIAL DESCRIPTIONS

GABION FOUNDATION PREPARATION

COMPACT THE GABION MAT BEARING SURFACE TO AT LEAST 98% OF THE SOILS STANDARD PROCTOR DRY DENSITY TO A DEPTH OF AT LEAST 12" BELOW THE BOTTOM OF THE GABION MAT.

GABION FOUNDATION PREPARATION (UNSUITABLE SOILS) (ITEM 531-78)

- IF HIGHLY PLASTIC SOILS ARE ENCOUNTERED OR COMPACTION CANNOT BE OBTAINED:
- OVER EXCAVATE THE SOILS TO A DEPTH OF AT LEAST 1 FOOT BELOW BOTTOM OF GABION MAT.
 - PLACE AND SMOOTH FOOT TYPE D-2 GEOTEXTILE FABRIC WITHIN OVER EXCAVATED ENVELOPE.
 - PLACE FOOT NO. 57 CRUSHED AGGREGATE IN MAXIMUM 9-INCH LIFTS AND COMPACTED TO A FIRM AND UNYIELDING CONDITION.
- COST OF ALL MATERIALS AND OPERATIONS SPECIFIED ABOVE SHALL BE INCLUDED IN THE UNIT PRICE OF ITEM 531-78.

SELECT BACKFILL

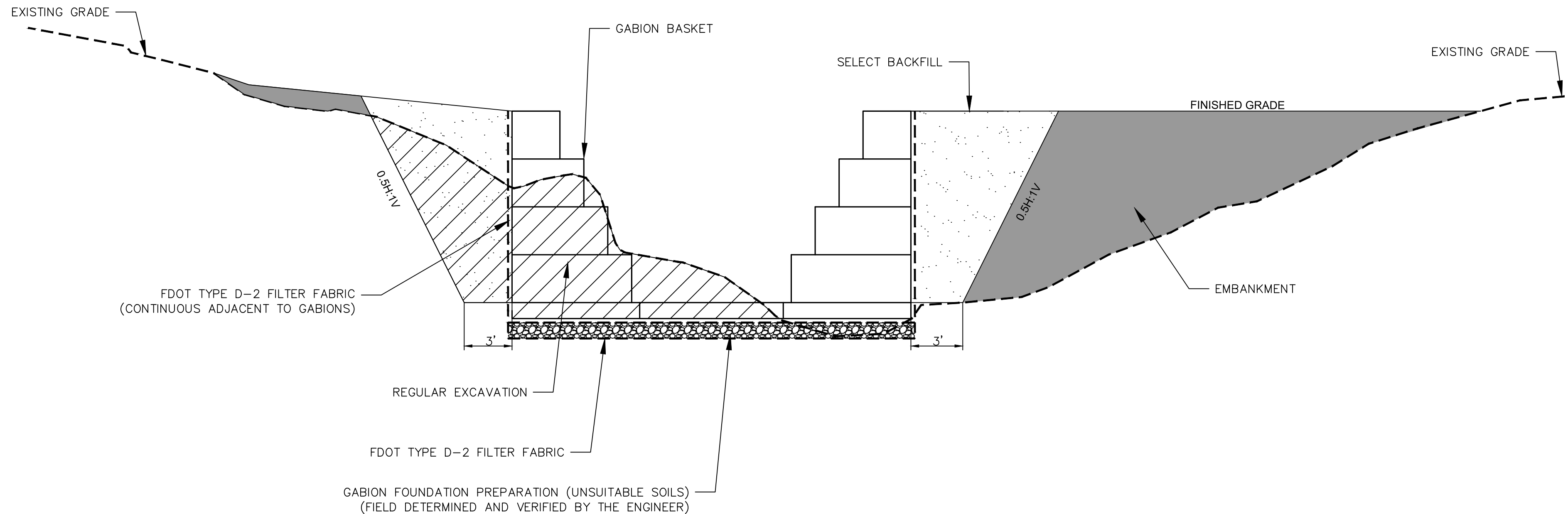
SHALL BE FOOT SELECT "SOIL" PER INDEX 120-001 WITH LESS THAN 25% FINES (PERCENTAGE PASSING THE NO. 200 SIEVE) AND NO MORE THAN 2% ORGANICS PLACED IN MAXIMUM 9-INCH LIFTS AND COMPACTED TO 98% STANDARD PROCTOR DRY DENSITY. COST OF SELECT BACKFILL SHALL BE INCLUDED IN THE COST OF GABION BASKET (ITEM 531-77).

EMBANKMENT (ITEM 120-63)

SOILS SHALL BE FOOT "SELECT" SOIL PER INDEX 505 WITH LESS THAN 25% FINES (PERCENTAGE PASSING THE NO. 200 SIEVE) WITH NO MORE THAN 2% ORGANICS. ALL SOILS SHALL BE PLACED IN MAXIMUM 9-INCH LIFTS AND COMPACTED TO 98% STANDARD PROCTOR DRY DENSITY.

LEGEND

- REGULAR EXCAVATION (ITEM 120-1) - EXCAVATION BELOW THE ORIGINAL GROUND LINE AS NECESSARY FOR CONSTRUCTION OF THE DITCH, GABION BASKETS, GABION MATS AND FOR PLACEMENT OF 3" MINIMUM OF SELECT BACKFILL BEHIND GABIONS.
- EMBANKMENT (ITEM 120-63) - COMPACTED FILL MATERIAL PLACED ABOVE THE ORIGINAL GROUND LINE AS NEEDED TO CONSTRUCT THE GABION BASKETS, GABION MATS, MAINTENANCE AREAS AND TO FILL THE EXISTING DITCH.
- SELECT BACKFILL - SELECT MATERIAL PLACED AND COMPACTED BEHIND THE GABION BASKETS. PAYMENT INCLUDED IN ITEMS 531-77.



EARTHWORK PAYMENT DEFINITION FOR GABION CONSTRUCTION

SCALE: 1"=5'

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ENGINEER OF RECORD
STEPHEN C. CHERRY, P.E.
P.E. NO. 63288

ORIGINAL: 09/14/20
REVISIONS:
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SHEET
SUMMARY OF QUANTITIES AND PAY ITEM NOTES

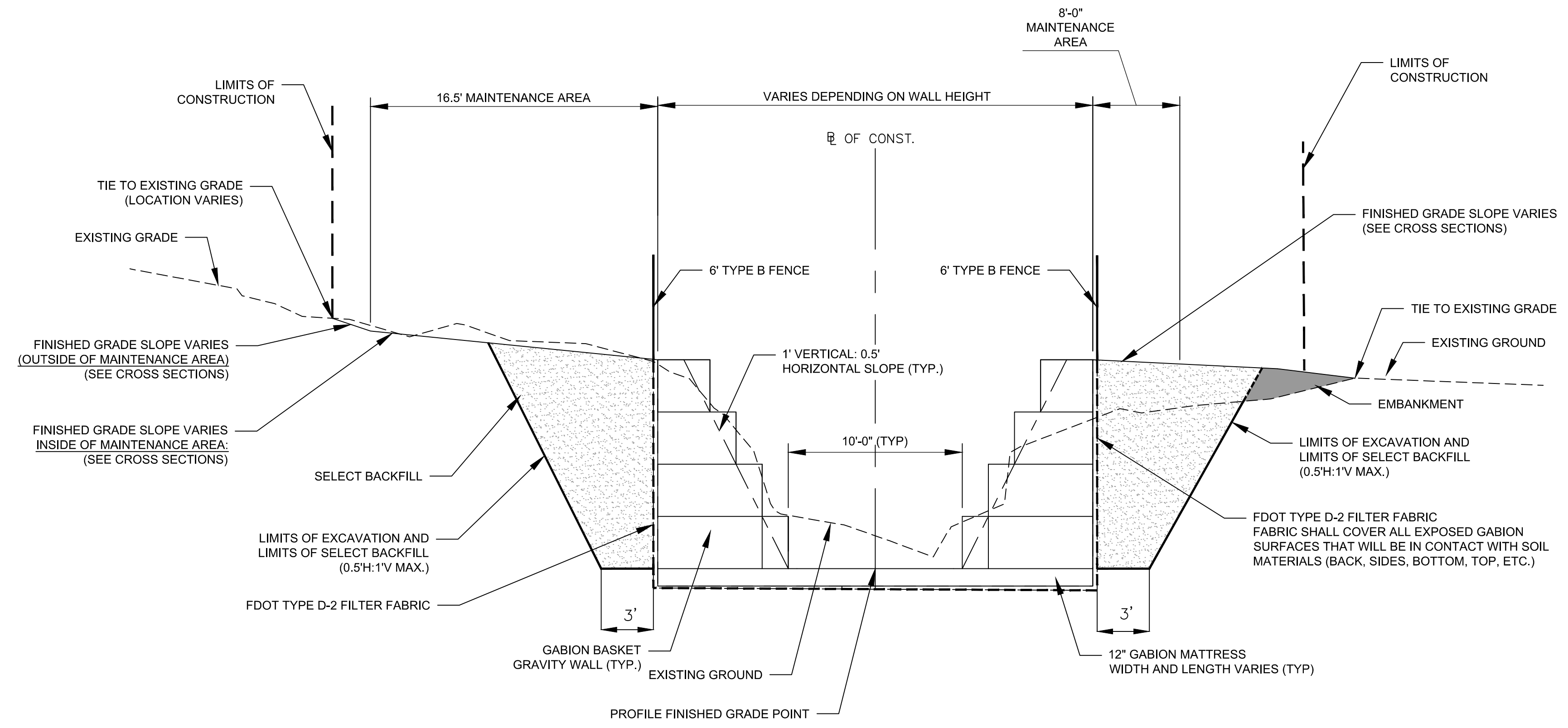
PROJECT
PARK AVENUE DITCH STABILIZATION AT BLAIR STONE ROAD BRIDGE

IWGL
2316 William Center Blvd., Suite 100, Tallahassee, FL 32309
Phone No. 866.909.2220 www.iwglinc.com
Cert No. 6091 - LB No. 7055

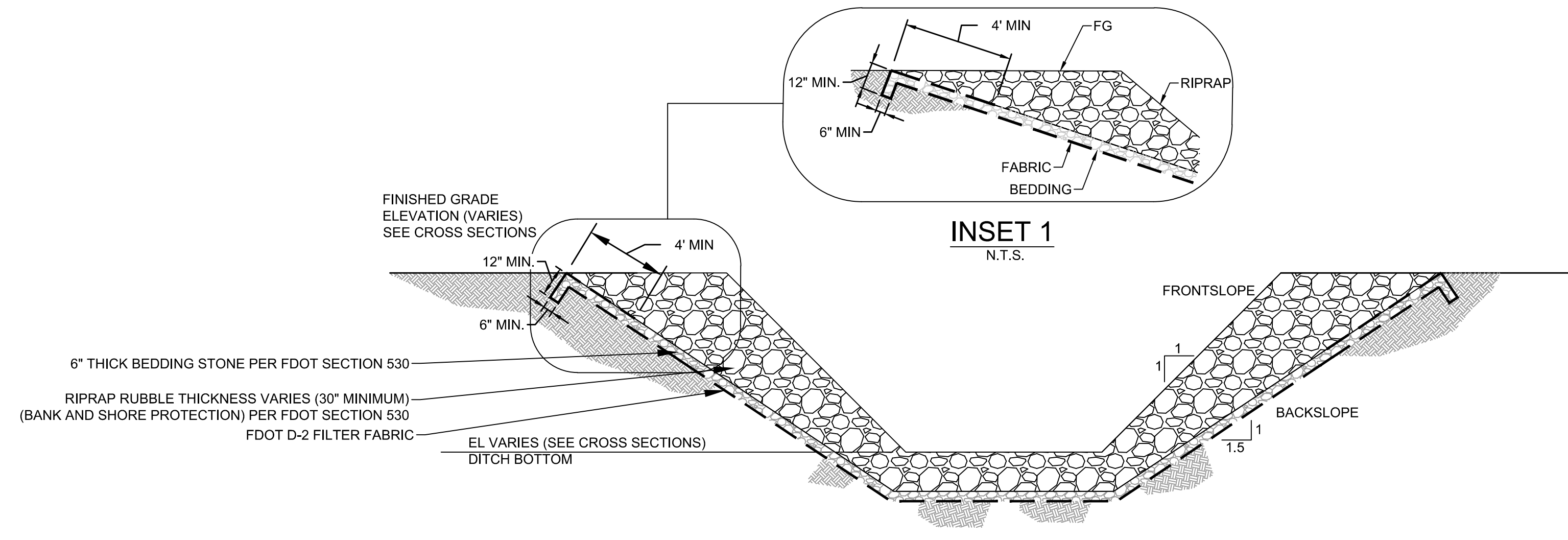
JOB NO. 3600.10
DRAWN GAT
DESIGNED SCC
CHECKED SCC
QC JWR

SHEET 4

- NOTES:**
- PAYMENT FOR REGULAR EXCAVATION (ITEM 120-1) AND EMBANKMENT (ITEM 120-63), WILL BE AS SHOWN IN THIS DETAIL. PAYMENT FOR SELECT BACKFILL IS INCLUDED IN THE COST OF GABION BASKET (ITEM 531-77).
 - CALCULATED QUANTITIES FOR REGULAR EXCAVATION, EMBANKMENT, AND SELECT FILL SOIL ARE IN PLACE VOLUMES, WITH NO FILL OR TRUCK ADJUSTMENTS APPLIED.
 - FINAL PAY QUANTITIES WILL BE PLAN QUANTITIES, WITH NO CONSIDERATION FOR SPECIFICATION TOLERANCES, EXCEPT FOR GABION FOUNDATION PREPARATION (531-78) WHICH SHALL BE FIELD DETERMINED.
 - SELECT BACKFILL SHALL BE PLACED TO A MINIMUM BOTTOM WIDTH OF 3 FEET BEHIND THE GABIONS AND TO THE BACK OF SLOPE OF 0.5H:1V.
 - THE QUANTITIES FOR REGULAR EXCAVATION, EMBANKMENT, AND SELECT BACKFILL WERE CALCULATED TO A BOTTOM WIDTH OF 3 FEET AND A BACK SLOPE OF 0.5H:1V FOR THE SELECT BACKFILL BEHIND THE GABIONS. NO ADJUSTMENT IN THE QUANTITIES OF EXCAVATION, EMBANKMENT, OR SELECT FILL WILL BE MADE FOR EXCAVATION BEYOND A BOTTOM WIDTH OF 3 FEET OR BEYOND A 0.5H:1V BACK SLOPE AS REQUIRED FOR TRENCH STABILITY.



TYPICAL GABION SECTION
SCALE: 1"=5'



TYPICAL RIPRAP STABILIZED SECTION DETAIL
N.T.S.

- NOTES:**
- CONTRACTOR SHALL ADHERE TO STANDARD DETAILS FOR GABION CONSTRUCTION SEE SHEETS 18 & 19.
 - REFER TO PLAN AND PROFILE SHEET VIEW AND CROSS-SECTIONS FOR TOP OF WALL ELEVATIONS.
 - CONTRACTOR SHALL REFER TO EGS'S REPORT OF GEOTECHNICAL INVESTIGATION, CHANNEL STABILIZATION, DATED JULY, 2019 (JULY 18, 2019) FOR INFORMATION / RELATED TO EXISTING CONDITIONS AND CONSTRUCTION CONSIDERATIONS.
 - WORK NEAR BRIDGE FOUNDATION: EXCAVATION SHALL BE LIMITED TO 2 FEET BELOW THE EXISTING CHANNEL, WHEN WORKING WITHIN THE AREA ADJACENT TO THE EXISTING SHEETPILE WALLS.
 - BURIED DEBRIS: BURIED DEBRIS IS LIKELY TO BE ENCOUNTERED DURING EXCAVATION. CONTRACTOR SHALL REMOVE AND PROPERLY DISPOSE OF ALL DEBRIS ENCOUNTERED.
 - NO VIBRATORY COMPACTION ALLOWED. DUE TO THE PROXIMITY OF THE MSE BRIDGE ABUTMENT, ALL COMPACTION SHALL BE STATIC, ALL VIBRATORY EQUIPMENT ROLLERS USED, SHALL BE USED WITH THE VIBRATORY ACTION TURNED-OFF.
 - ALL DISTURBED AREAS SHALL BE SODDED, UNLESS OTHERWISE SPECIFIED.

ENGINEER OF RECORD
STEPHEN C. CHERRY, P.E.
P.E. NO. 63288

ORIGINAL: 09/14/20

REVISIONS:	DATE
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SHEET
TYPICAL SECTION

PROJECT
**PARK AVENUE DITCH STABILIZATION
AT BLAIR STONE ROAD BRIDGE**

2316 Killearn Center Blvd, Bldg C, Suite 100, Tallahassee, FL 32309
Phone No. 866.909.2220 www.wginc.com
Cert No. 6091 - LB No. 7065

JOB NO.	3600.10
DRAWN	GAT
DESIGNED	SCC
CHECKED	SCC
QC	JWR

SHEET 5

ORIGINAL: 09/14/20

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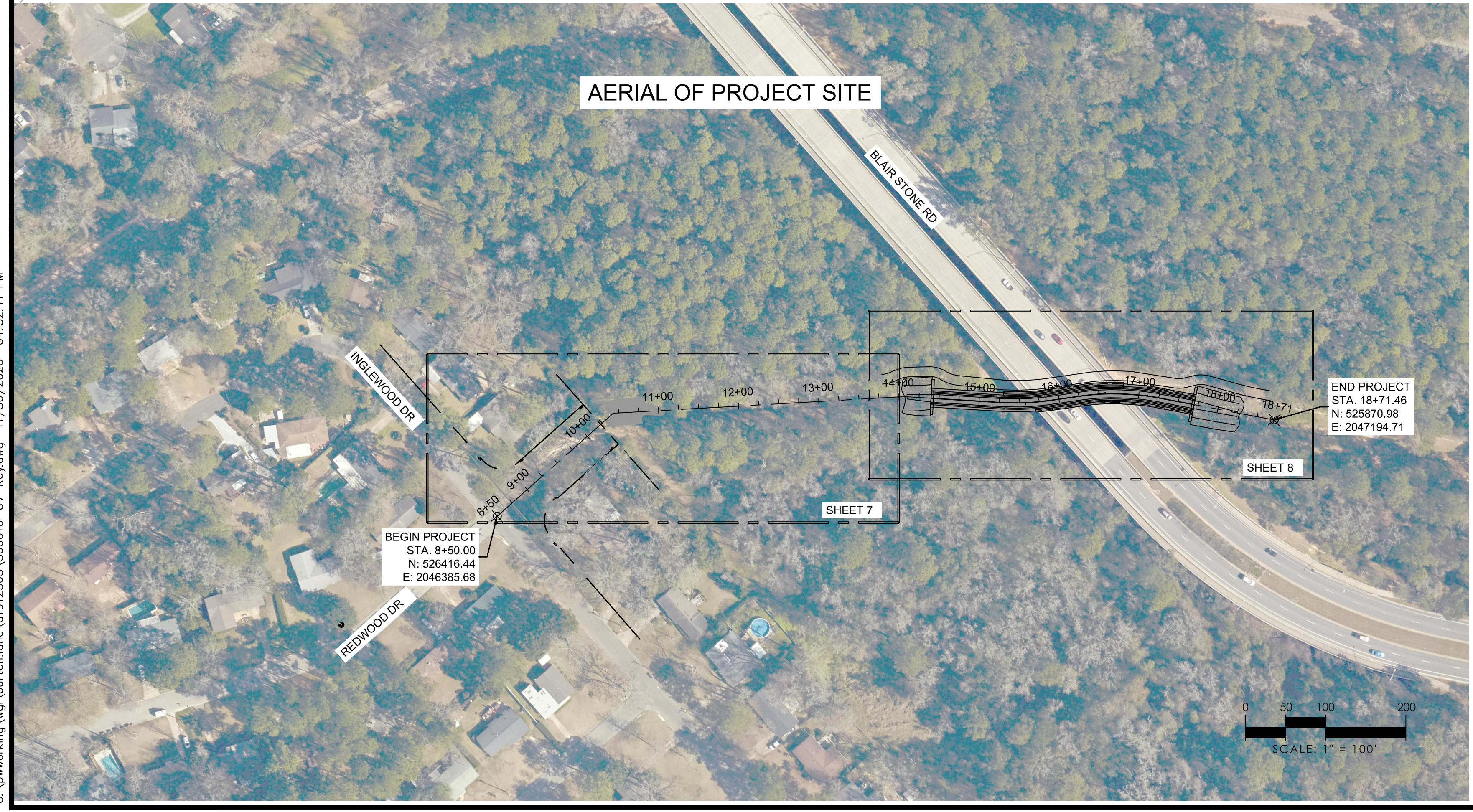
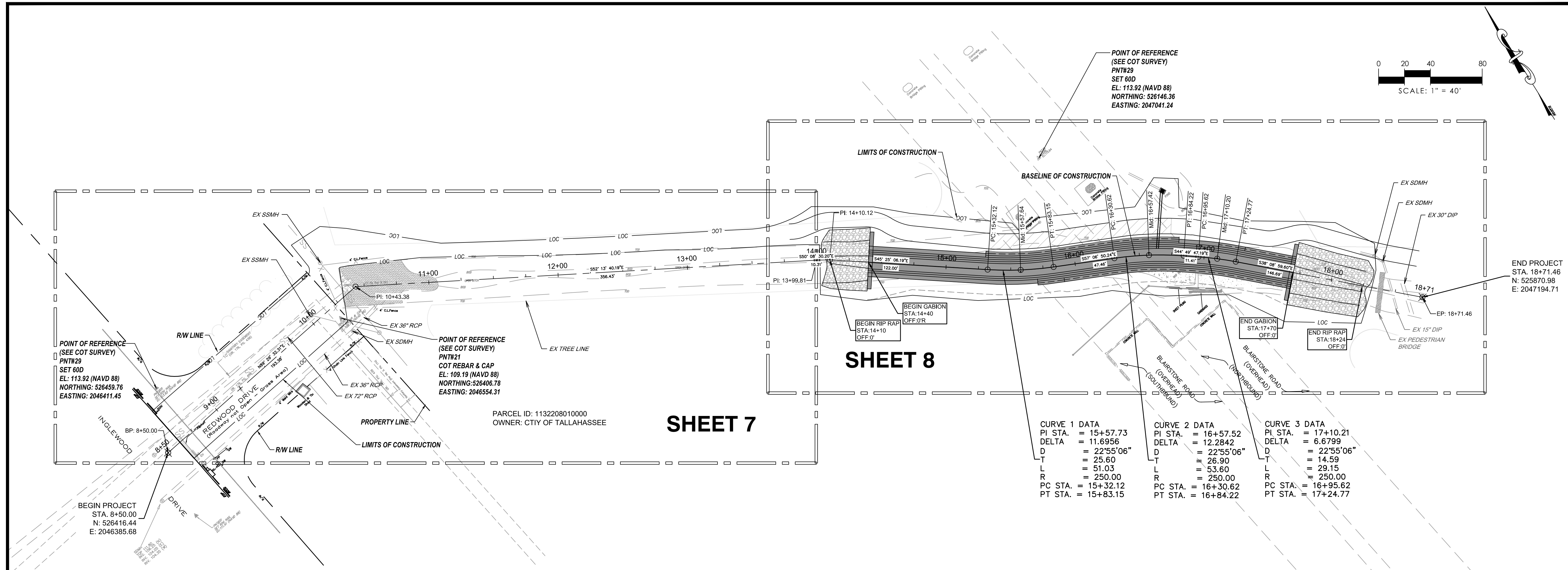
PROJECT LAYOUT PLAN

**PARK AVENUE DITCH STABILIZATION
AT BLAIR STONE ROAD BRIDGE**

WGL
2316 William Center Blvd., Suite 100, Tallahassee, FL 32309
Phone No. 866.909.2220 www.wginc.com
Cert No. 60971 - LB No. 7065

JOB NO.	3600.10
DRAWN	GAT
DESIGNED	SCC
CHECKED	SCC
QC	JWR

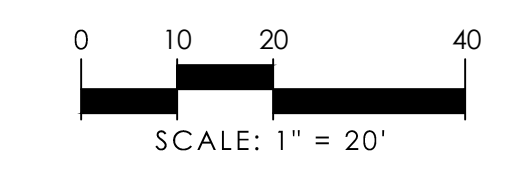
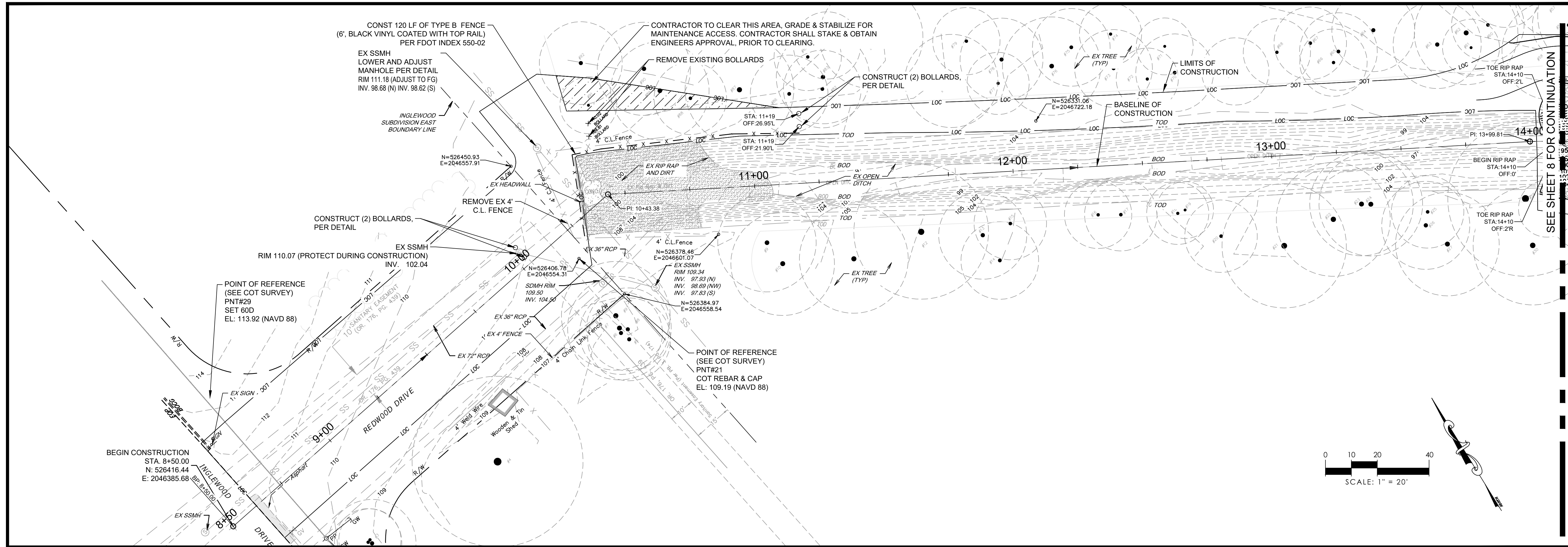
SHEET 6



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SEE SHEET 8 FOR CONTINUATION

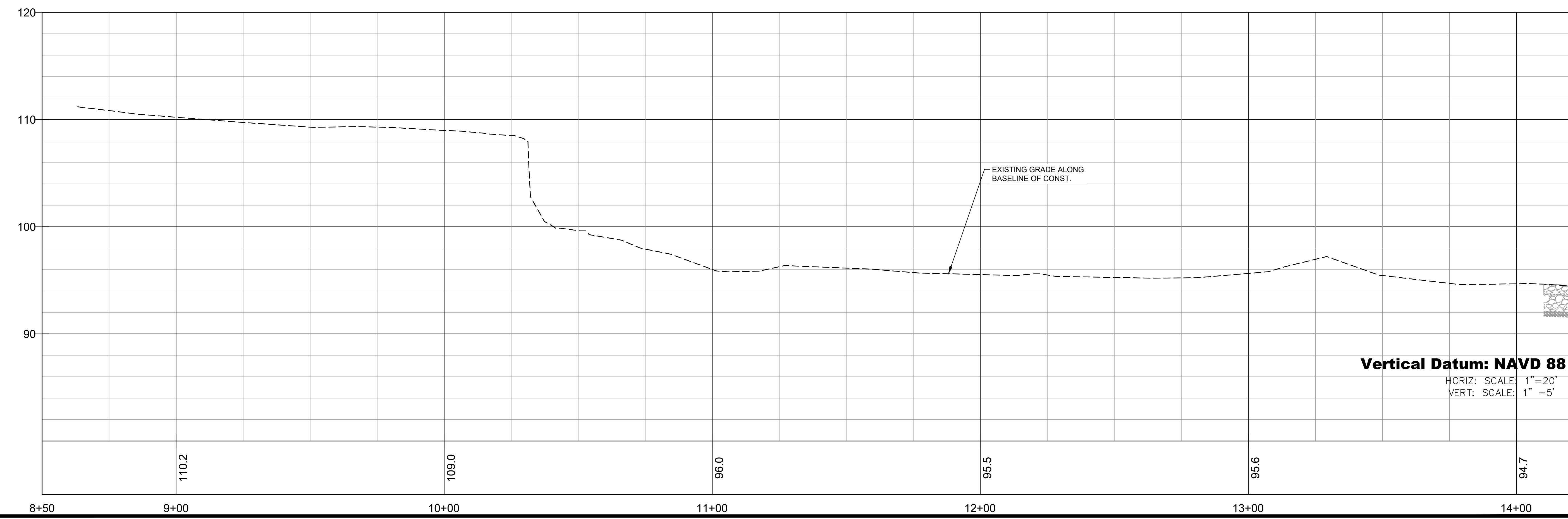
ENGINEER OF RECORD
 STEPHEN C. CHERRY, P.E.
 P.E. NO. 63288

ORIGINAL: 09/14/20

REVISIONS:	NO.	DATE	DESCRIPTION
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SHEET

PLAN AND PROFILE
PARK AVENUE DITCH



Vertical Datum: NAVD 88
 HORIZ: SCALE: 1" = 20'
 VERT: SCALE: 1" = 5'

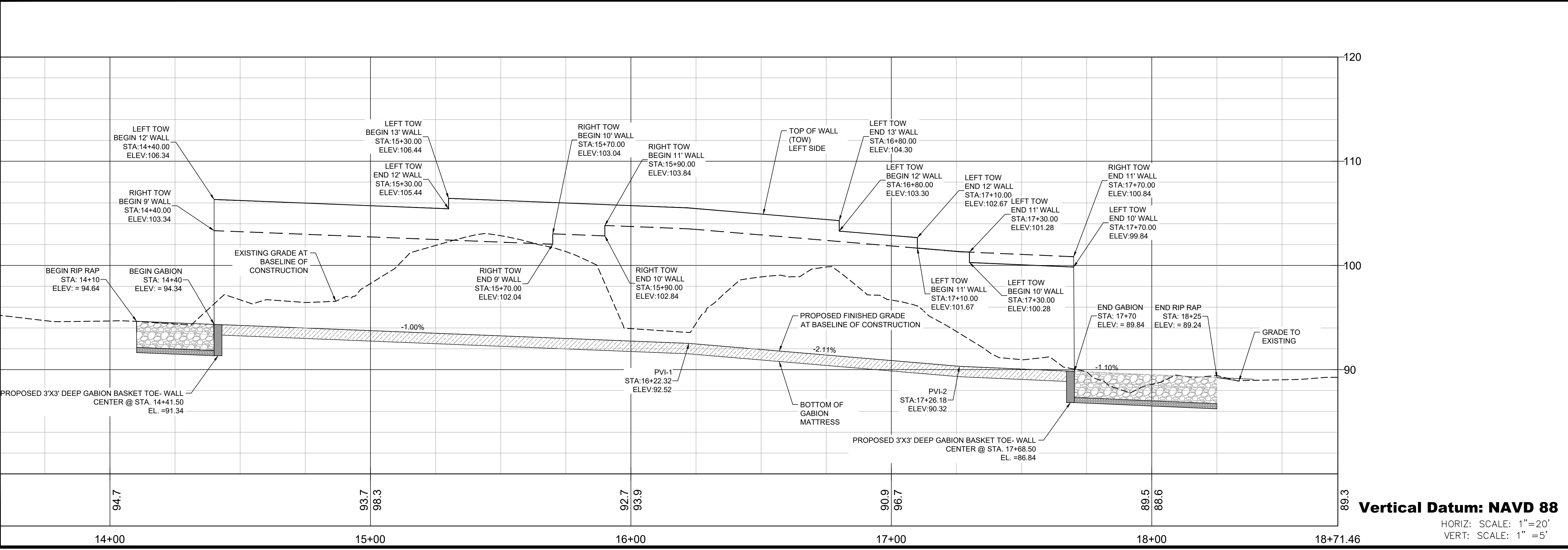
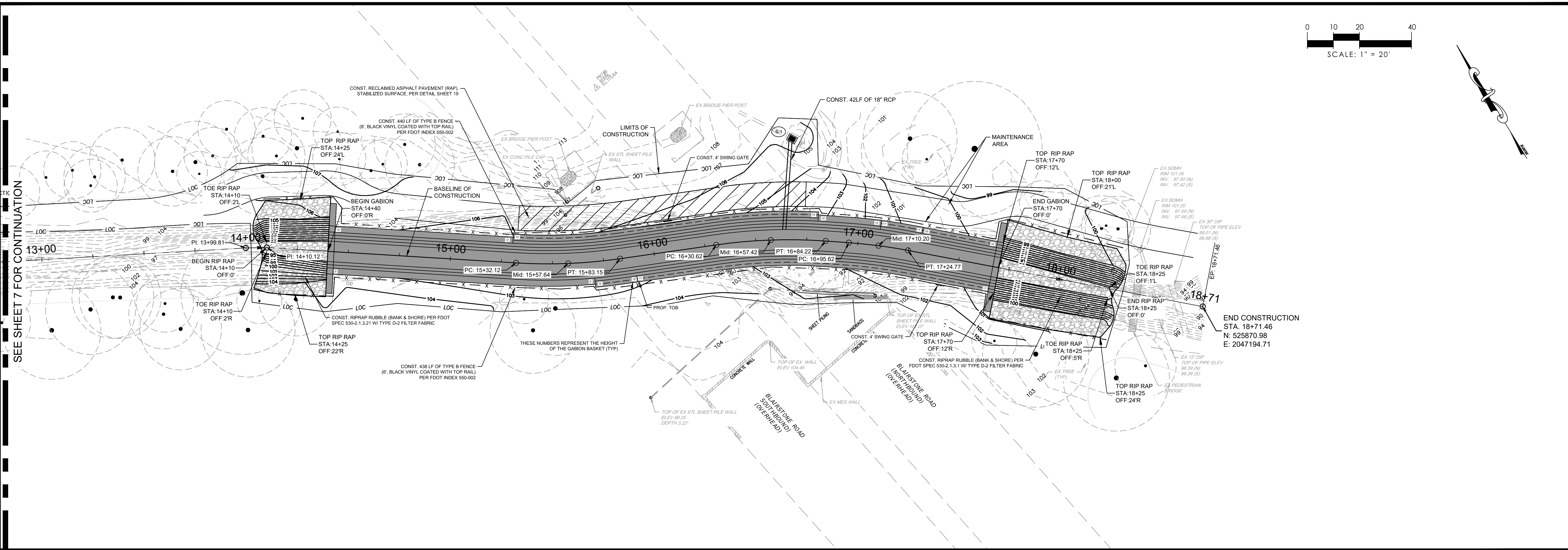
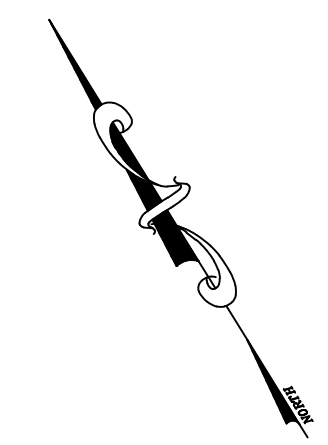
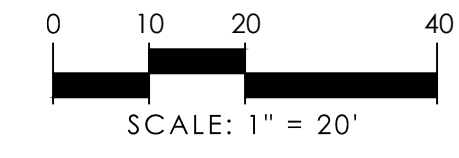
PROJECT

PARK AVENUE DITCH STABILIZATION
AT BLAIR STONE ROAD BRIDGE

2316 Killeam Center Blvd, Bldg C, Suite 100, Tallahassee, FL 32309
 Phone No. 866.909.2220 www.wginc.com
 Cert No. 6091 - LB No. 7065

JOB NO.	3600.10
DRAWN	GAT
DESIGNED	SCC
CHECKED	SCC
QC	JWR

SHEET 7



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ENGINEER OF RECORD
STEPHEN C. CHERRY, P.E.
P.E. NO. 63288

ORIGINAL: 09/14/20

REVISIONS:	1
	2
	3
	4
	5

SHEET
PLAN AND PROFILE
PARK AVENUE DITCH
STABILIZATION

PROJECT
PARK AVENUE DITCH STABILIZATION
AT BLAIR STONE ROAD BRIDGE

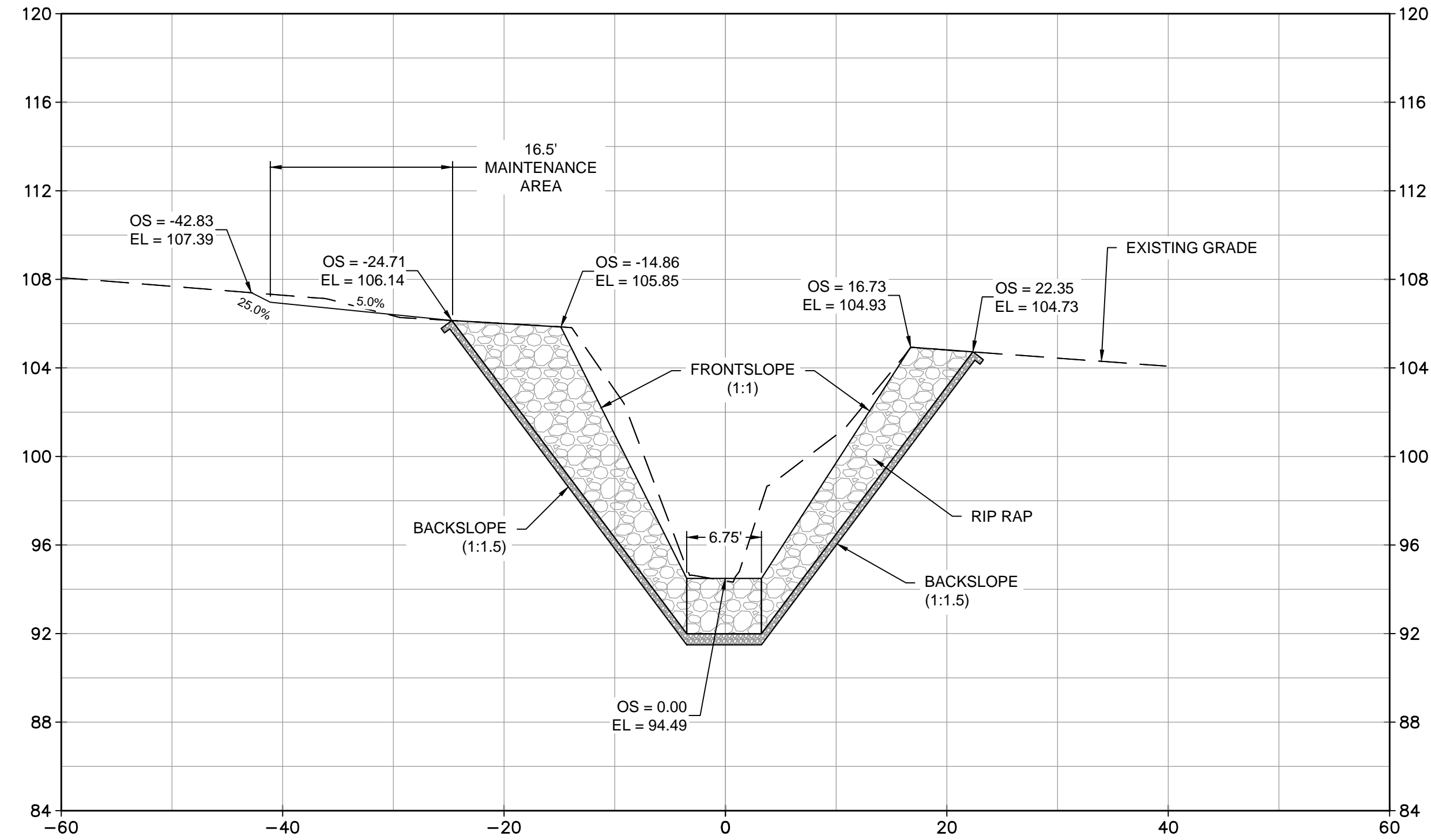
2316 William Center Blvd, Bldg C, Suite 100, Tallahassee, FL 32309
Phone No. 866.909.2220 www.wgilinc.com
Cert No. 6091 - LB No. 7055

JOB NO. 3600.10
DRAWN GAT
DESIGNED SCC
CHECKED SCC
QC JWR

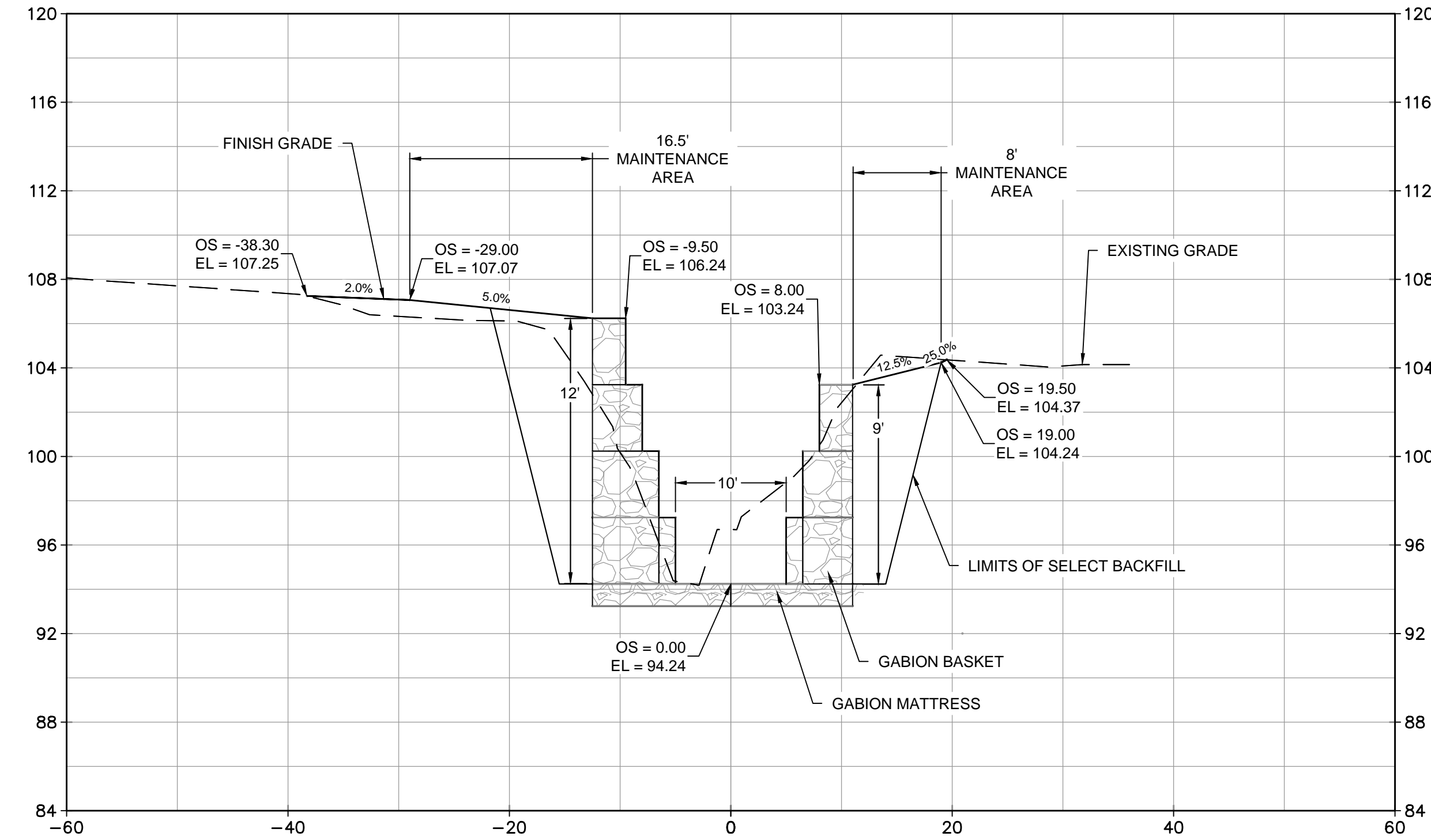
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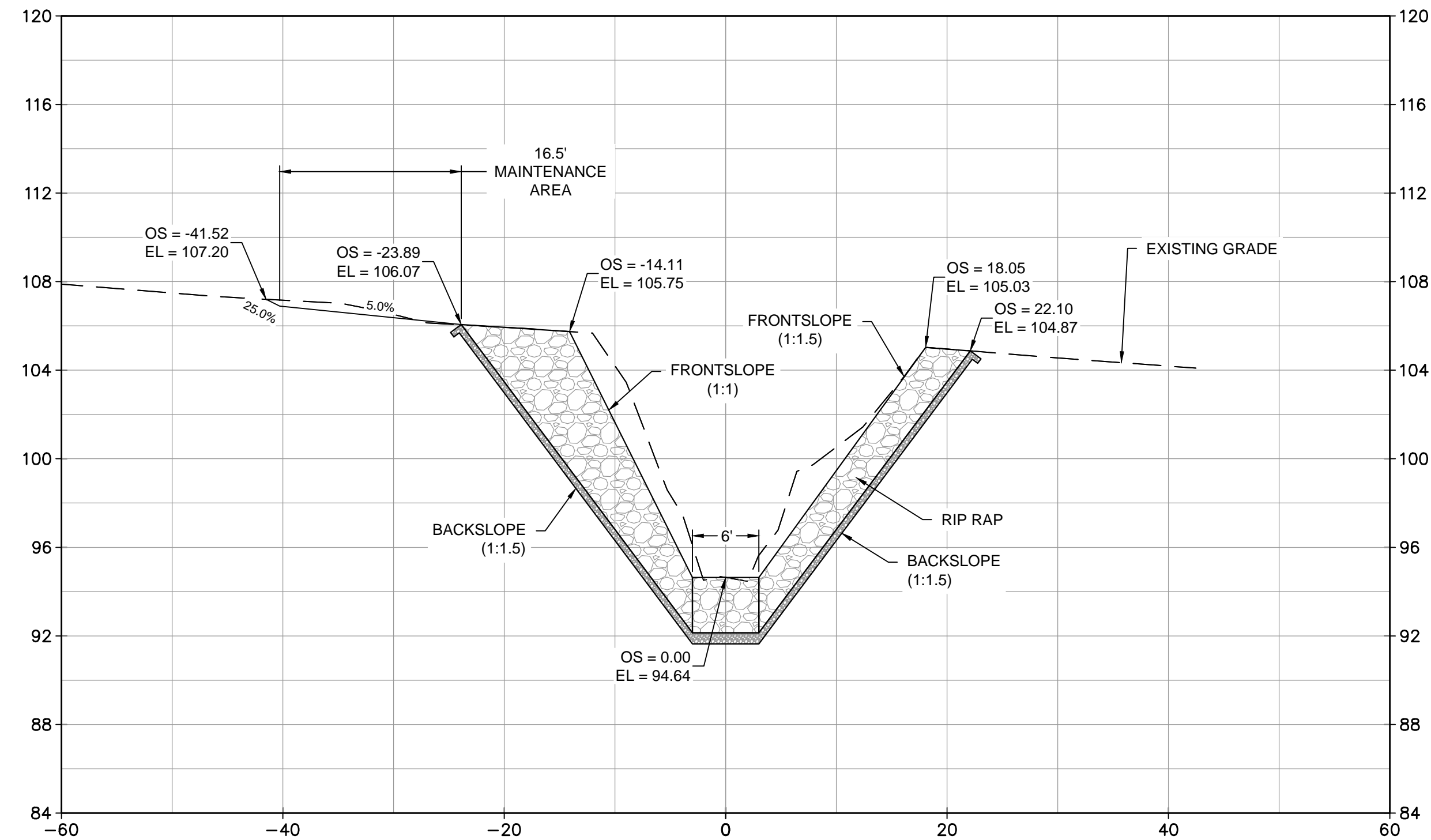
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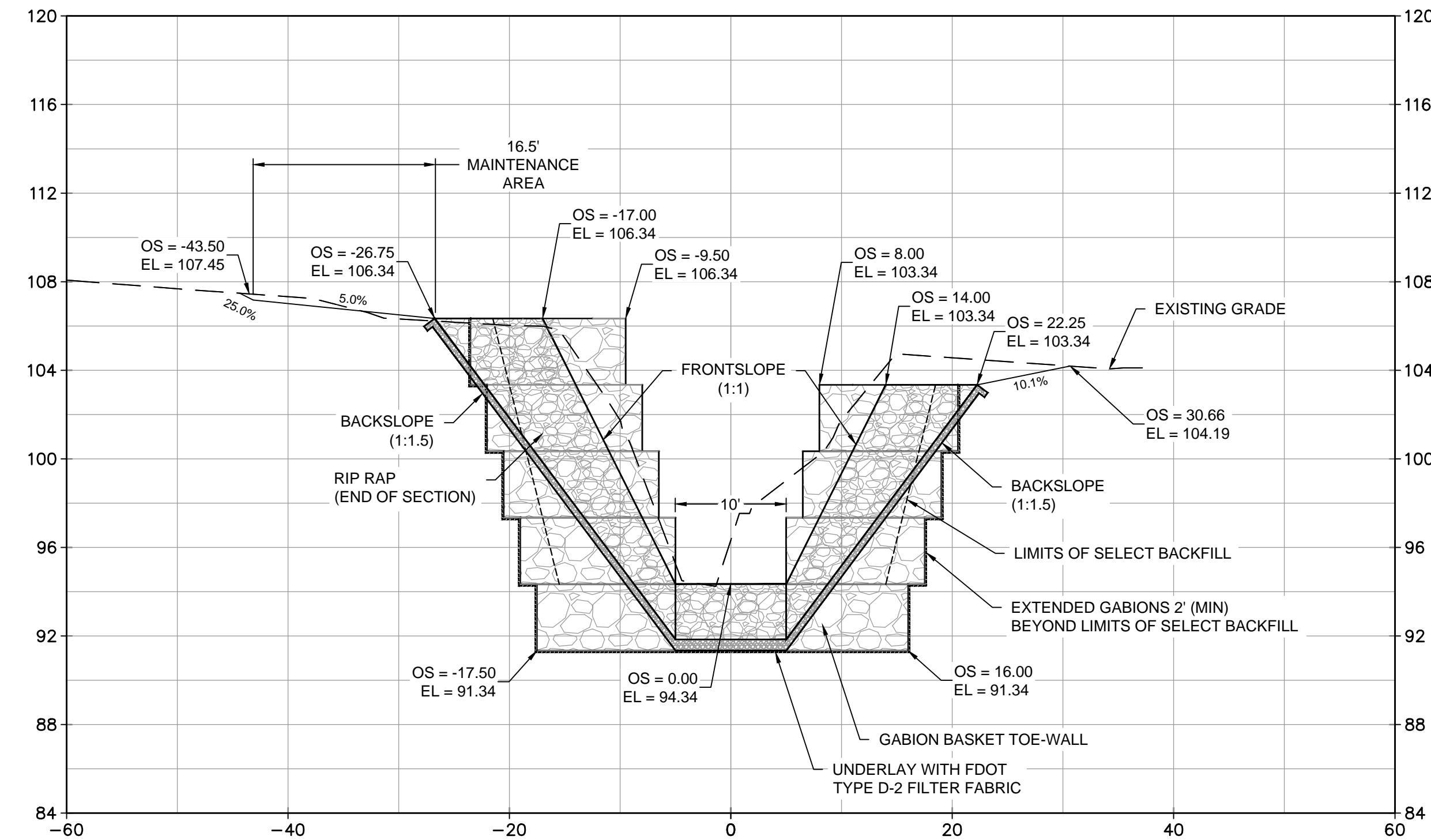
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14+50



14+10



14+40

Vertical Datum: NAVD 88

HORIZ: SCALE: 1"=10'
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ENGINEER OF RECORD
 STEPHEN C. CHERRY, PE
 P.E. NO. 82808

ORIGINAL: 09/14/20

REVISIONS:	1	2	3	4	5

SHEET

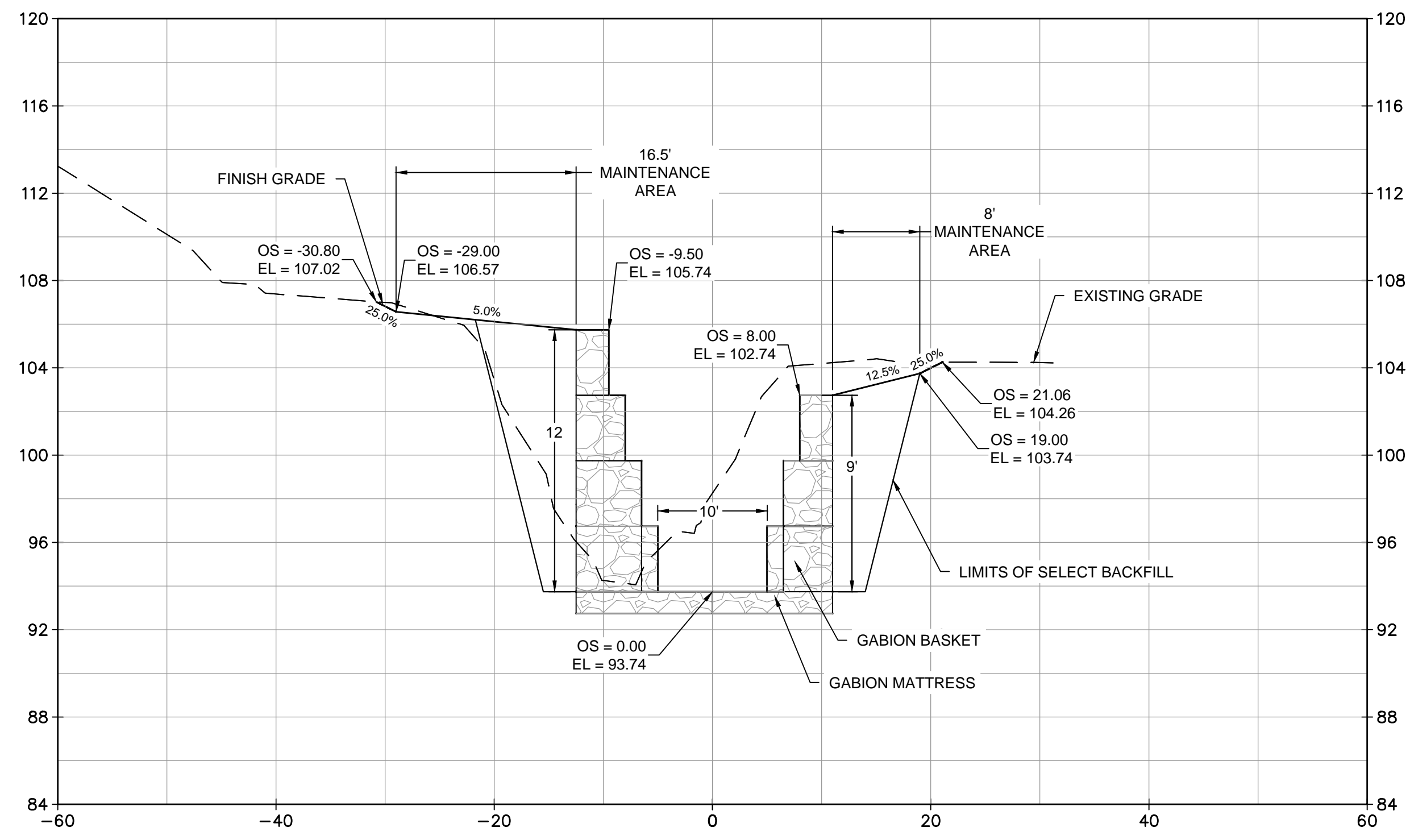
PROJECT
 PARK AVENUE DITCH STABILIZATION
 AT BLAIR STONE ROAD BRIDGE



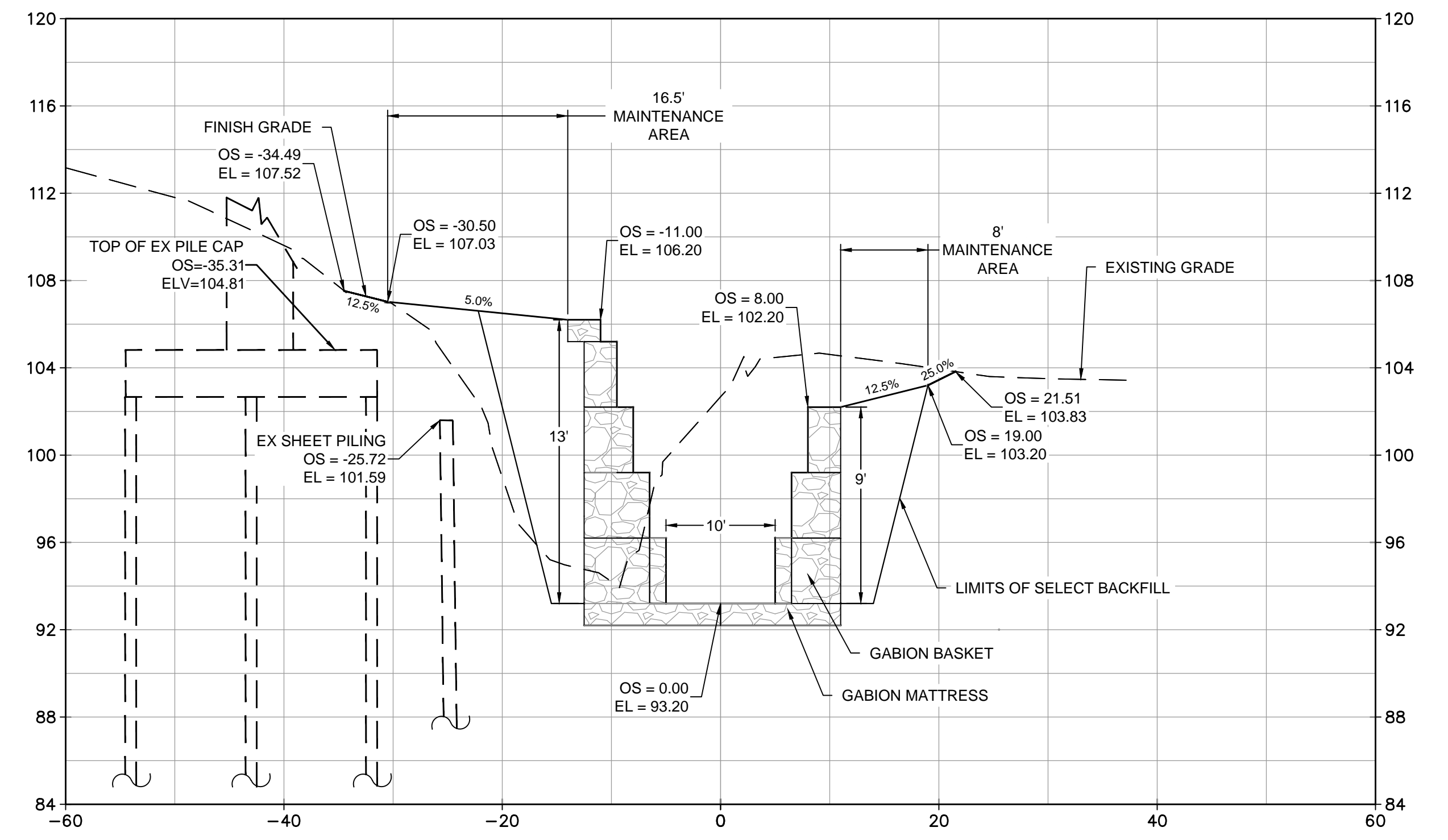
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DRAWN	GAT
DESIGNED	SCC
CHECKED	SCC
QC	JWR

SHEET 9

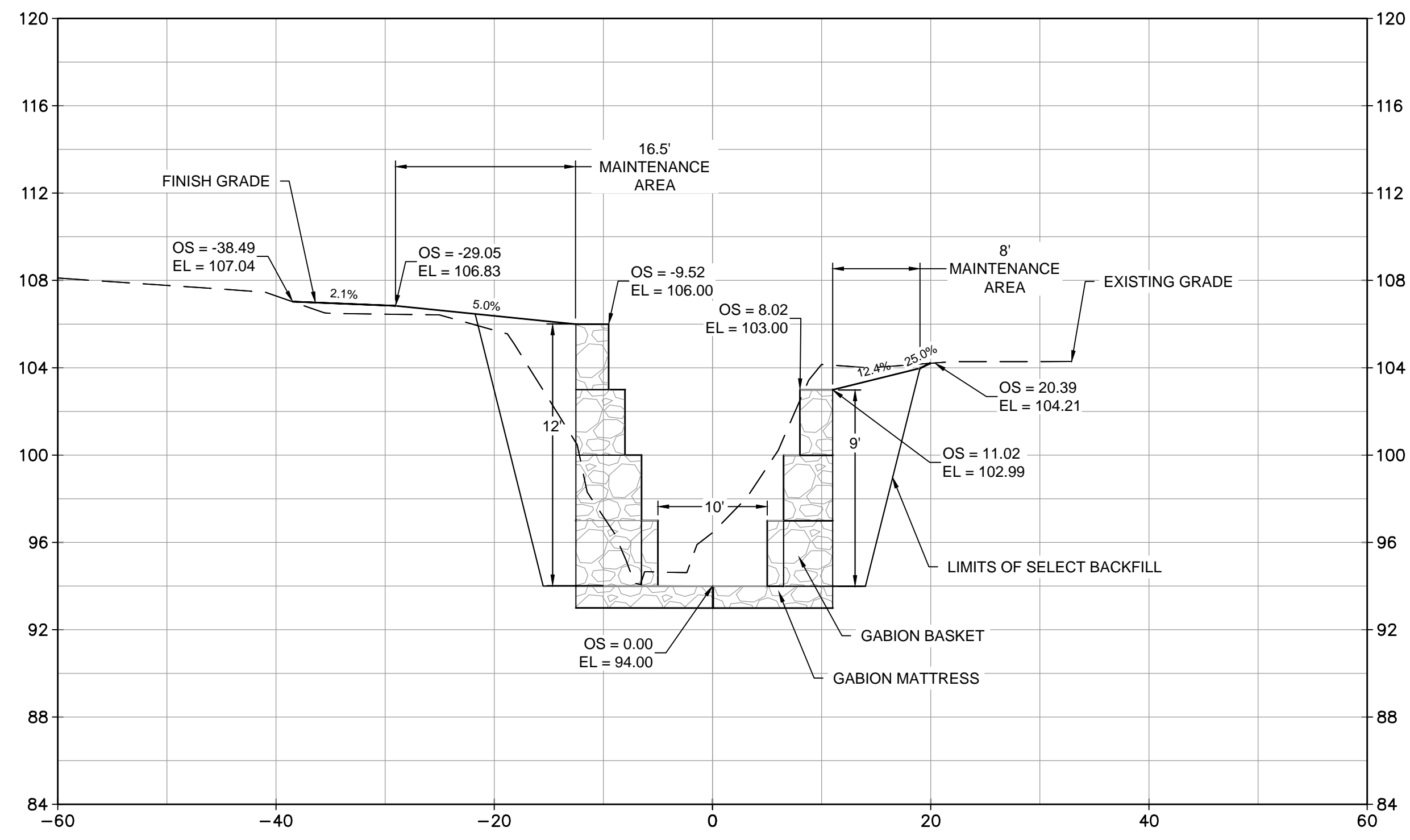
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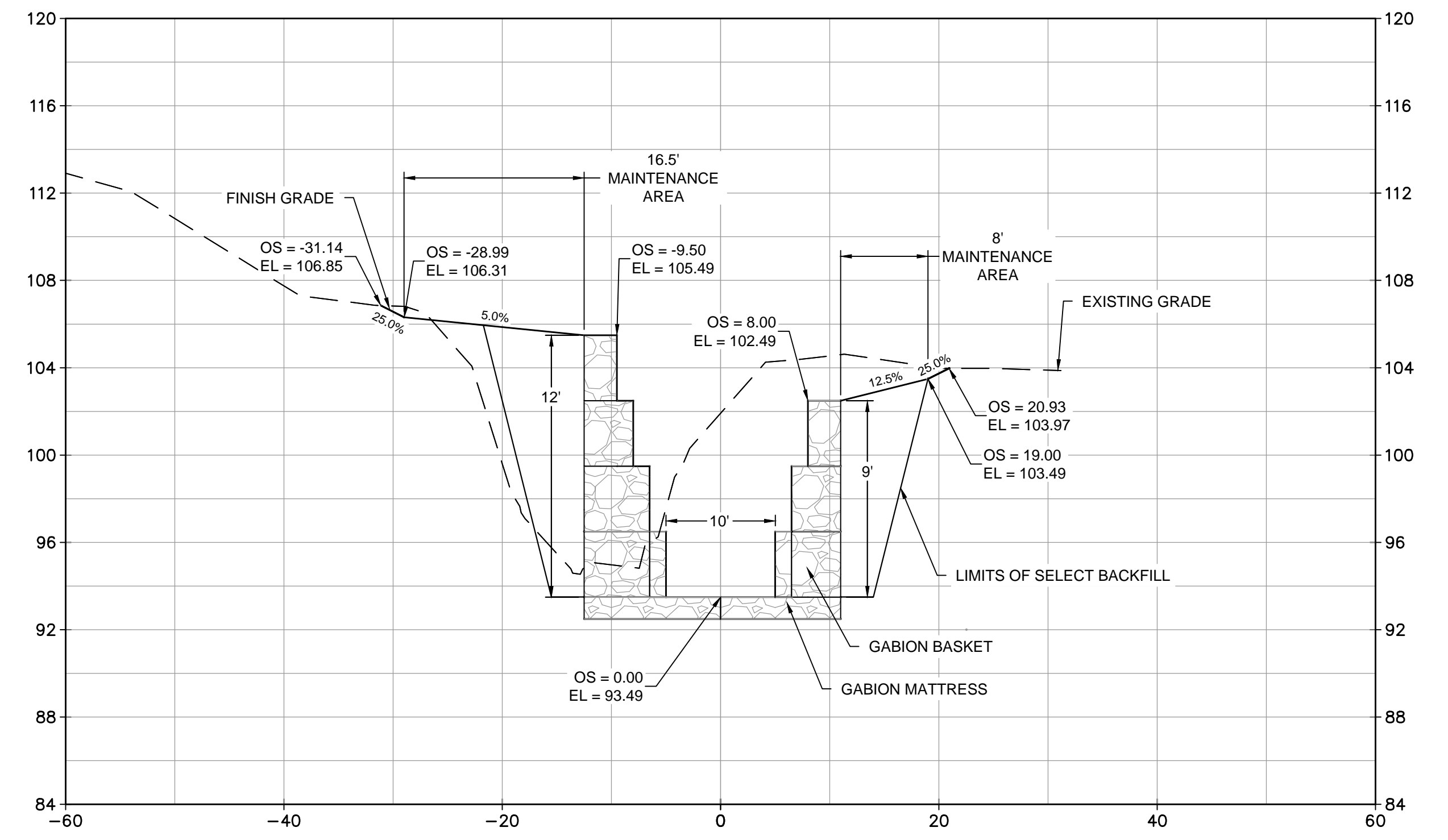
15+00



15+50



14+75



15+25

Vertical Datum: NAVD 88

HORIZ: SCALE: 1"=10'
 VERT: SCALE: 1"=5'

ENGINEER OF RECORD
 STEPHEN C. CHERRY, PE
 P.E. NO. 82808

ORIGINAL: 09/14/20

REVISIONS:	1	2	3	4	5

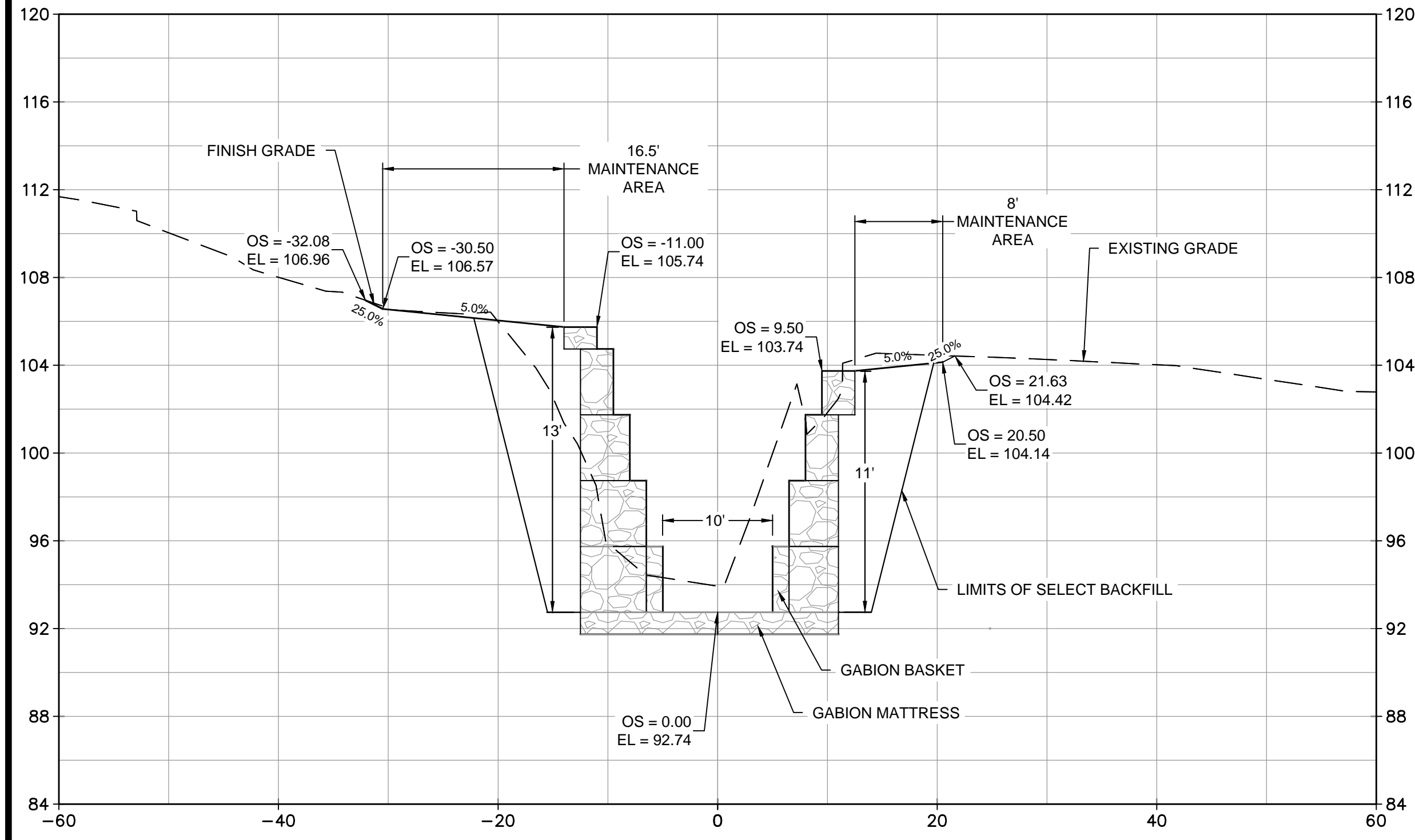
CROSS SECTIONS

PARK AVENUE DITCH STABILIZATION
 AT BLAIR STONE ROAD BRIDGE

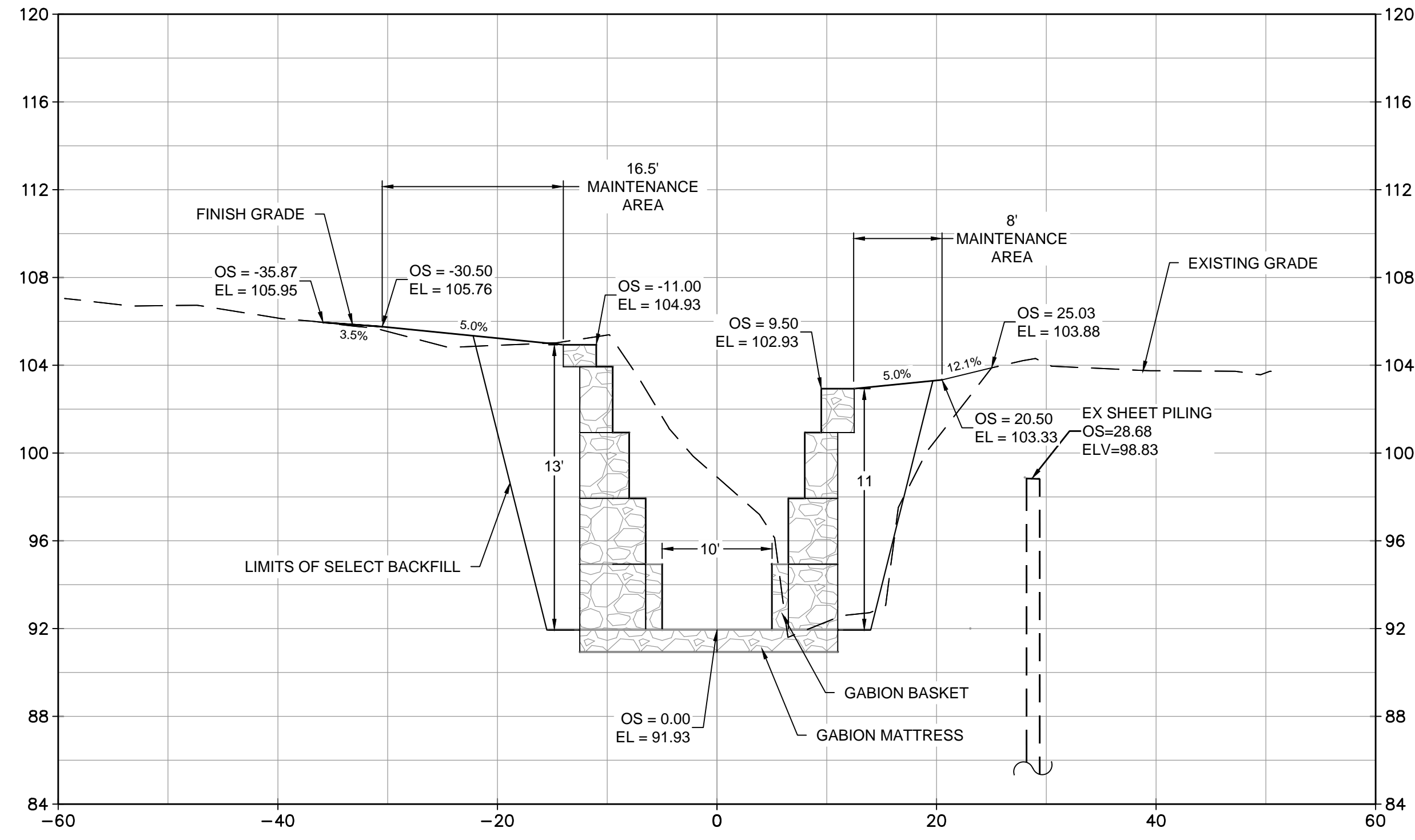
WGL

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 Phone No. 866.909.2220 www.wginc.com
 Cert No. 6091 - LB No. 7065

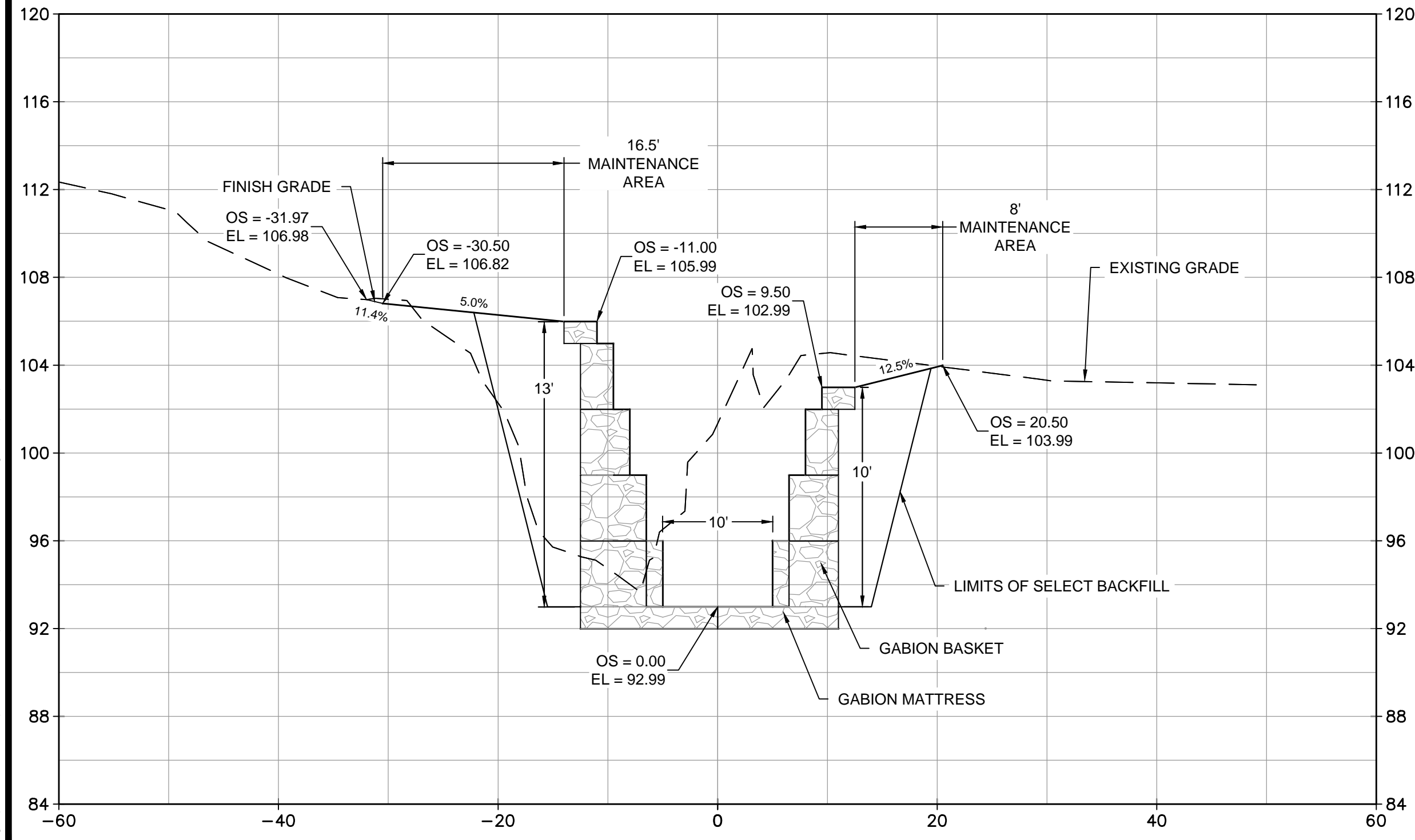
JOB NO.	3600.10
DRAWN	GAT
DESIGNED	SCC
CHECKED	SCC
QC	JWR



16+00



16+50



15+75



16+25

Vertical Datum: NAVD 88

HORIZ: SCALE: 1" = 10'
 VERT: SCALE: 1" = 5'

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ENGINEER OF RECORD
 STEPHEN C. CHERRY, PE
 P.E. NO. 82808

ORIGINAL: 09/14/20

REVISIONS:	1	2	3	4	5

CROSS SECTIONS

SHEET

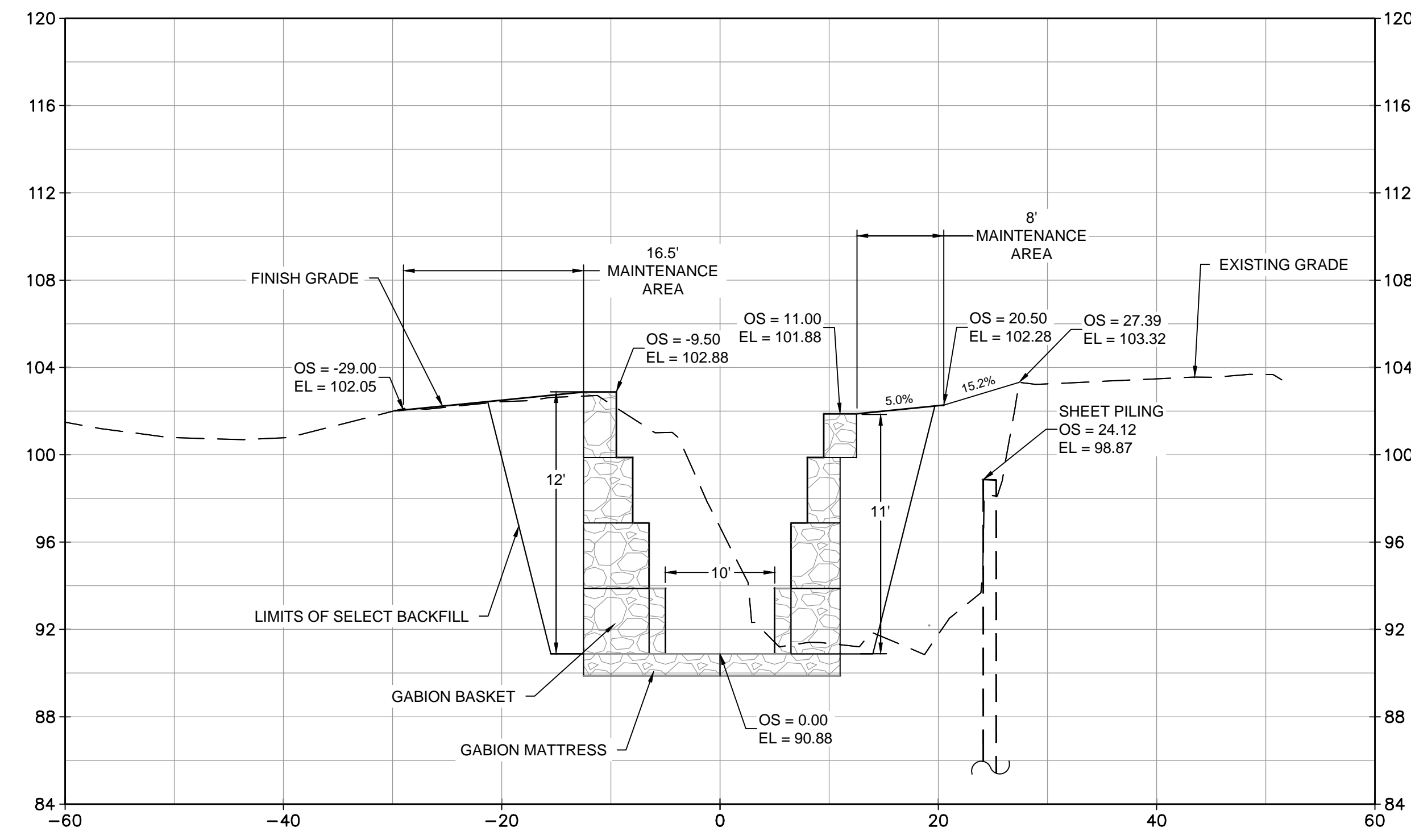
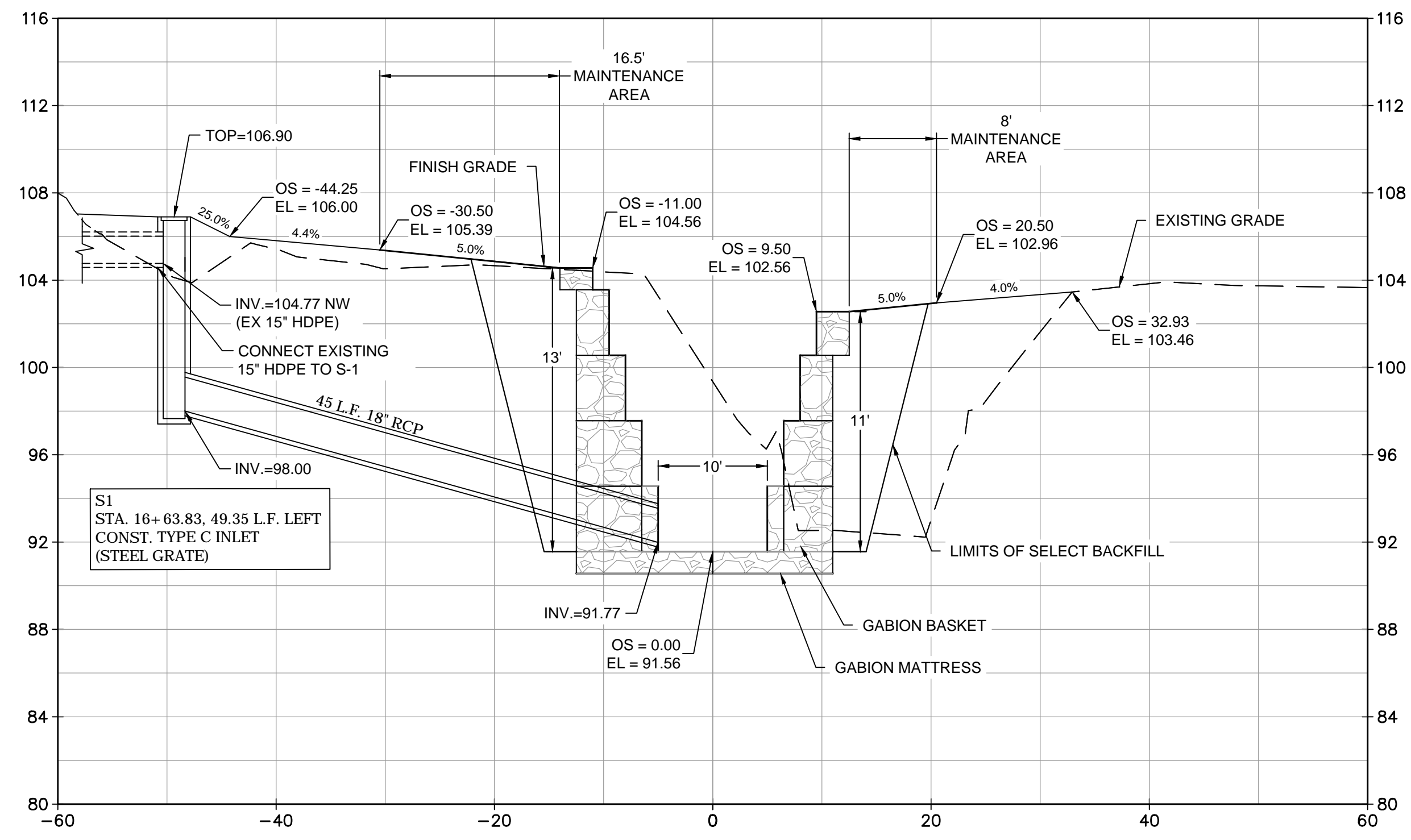
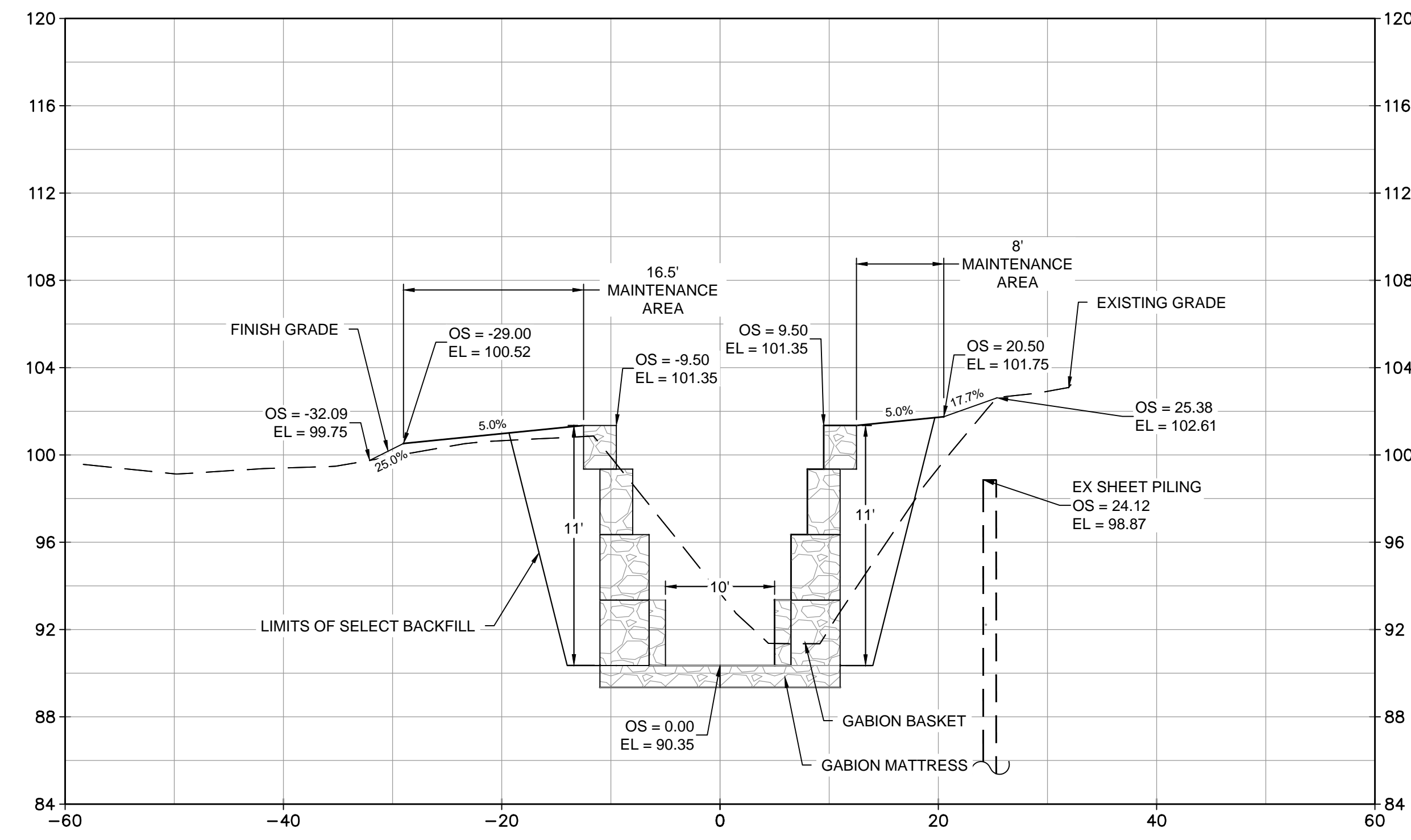
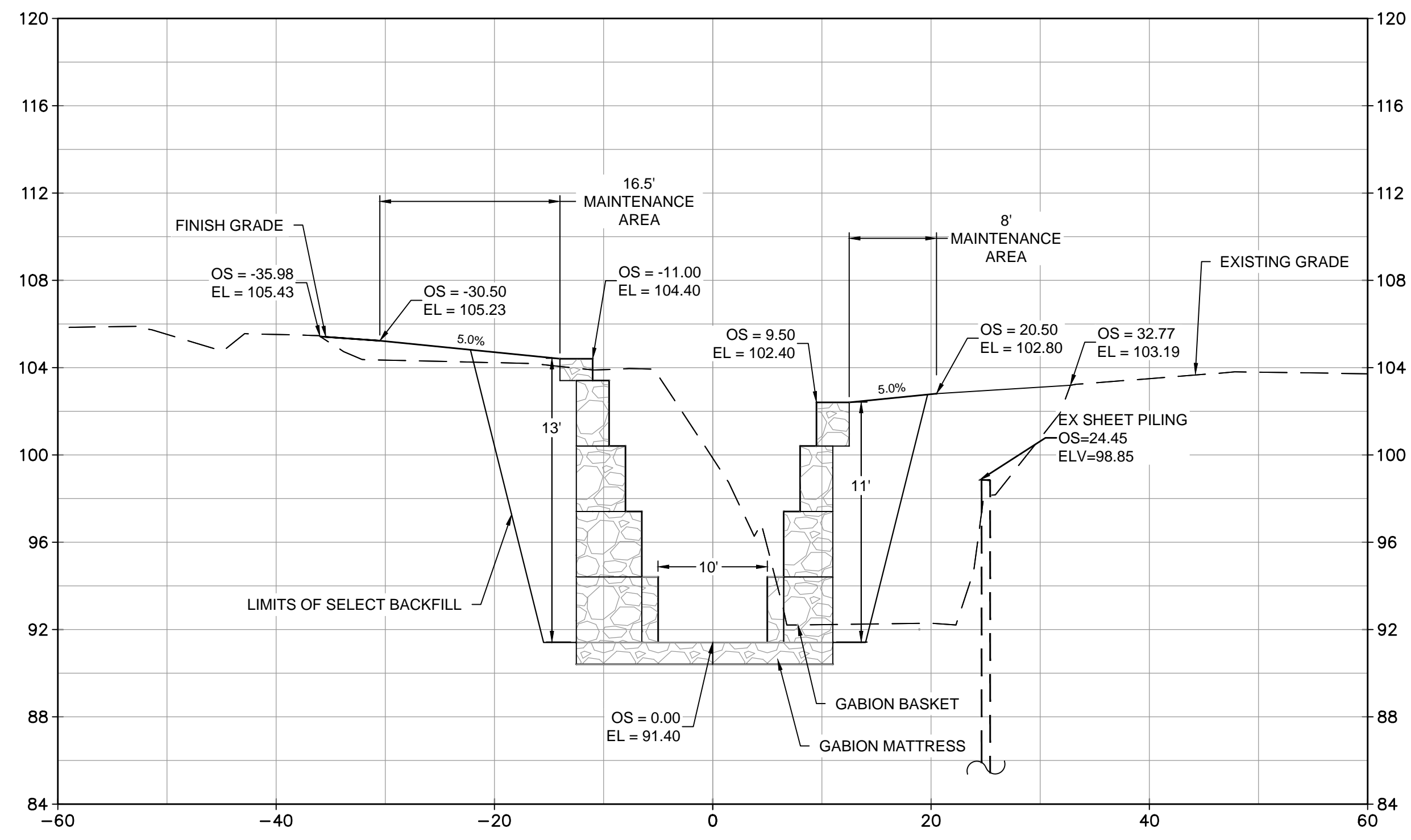
PROJECT
 PARK AVENUE DITCH STABILIZATION
 AT BLAIR STONE ROAD BRIDGE

2316 William Center Blvd, Bldg C, Suite 100, Tallahassee, FL 32309
 Phone No. 866.909.2220 www.iwglinc.com
 Cert No. 6091 - LB No. 7065

JOB NO.	3600.10
DRAWN	GAT
DESIGNED	SCC
CHECKED	SCC
QC	JWR

SHEET 11

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Vertical Datum: NAVD 88

HORIZ: SCALE: 1"=10'
 VERT: SCALE: 1"=5'

ENGINEER OF RECORD
 STEPHEN C. CHERRY, PE
 P.E. NO. 82808

ORIGINAL: 09/14/20

REVISIONS:	1	2	3	4	5

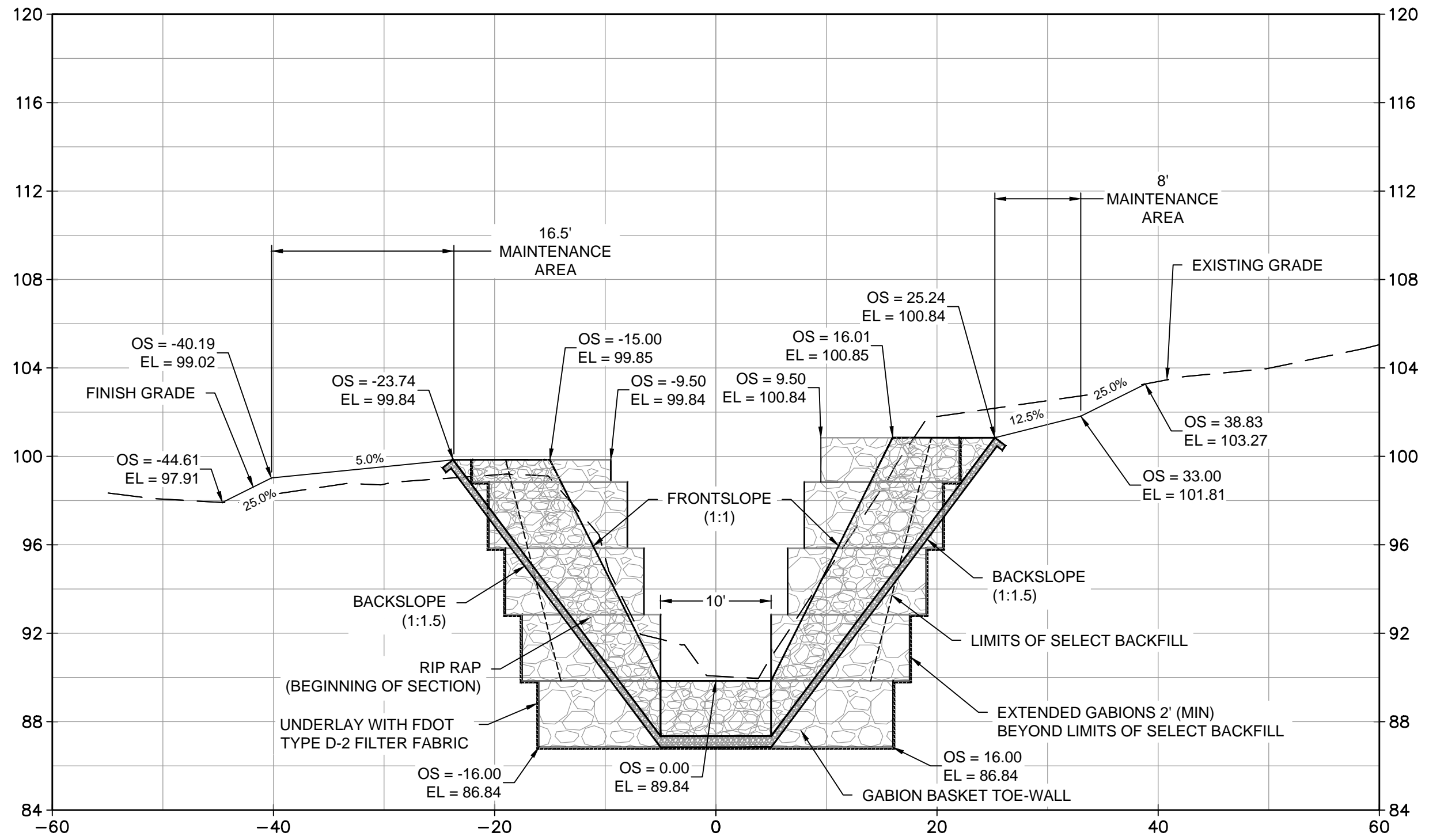
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PROJECT
 PARK AVENUE DITCH STABILIZATION
 AT BLAIR STONE ROAD BRIDGE

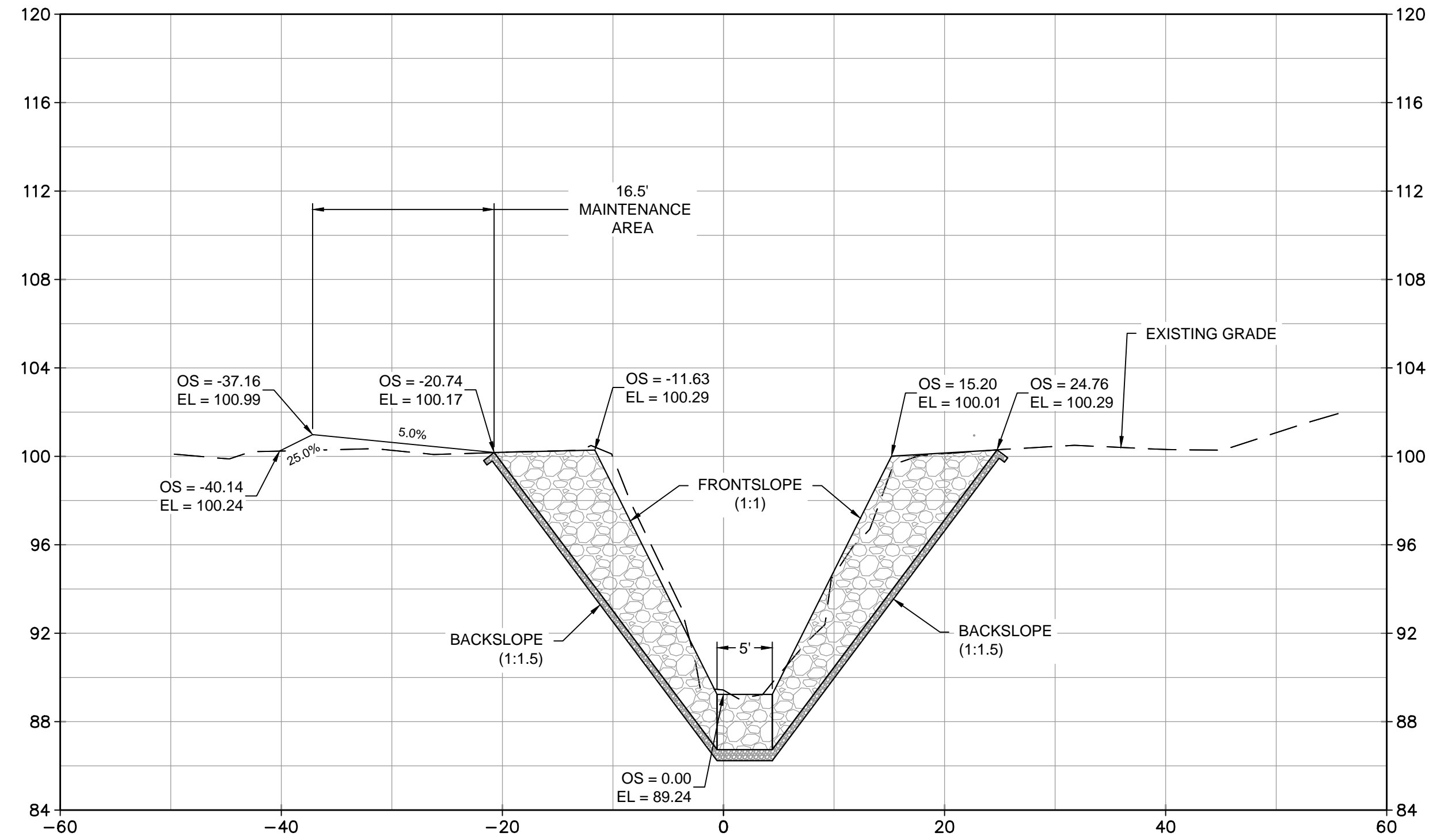
2316 Kilham Center Blvd, Bldg C, Suite 100, Tallahassee, FL 32309
 Phone No. 866.909.2220 www.wginc.com
 Cert No. 6091 - LB No. 7065

JOB NO.	3600.10
DRAWN	GAT
DESIGNED	SCC
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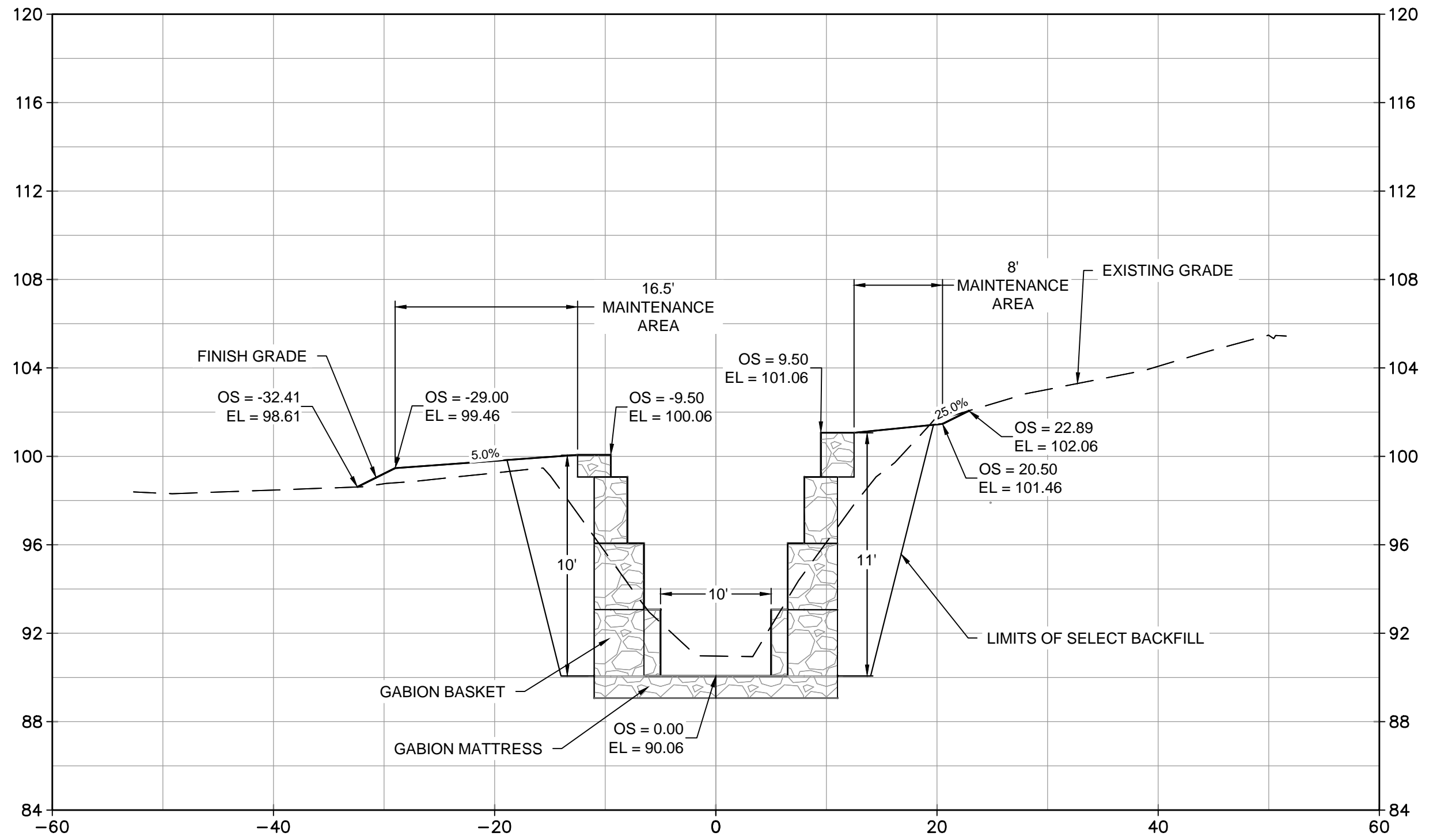
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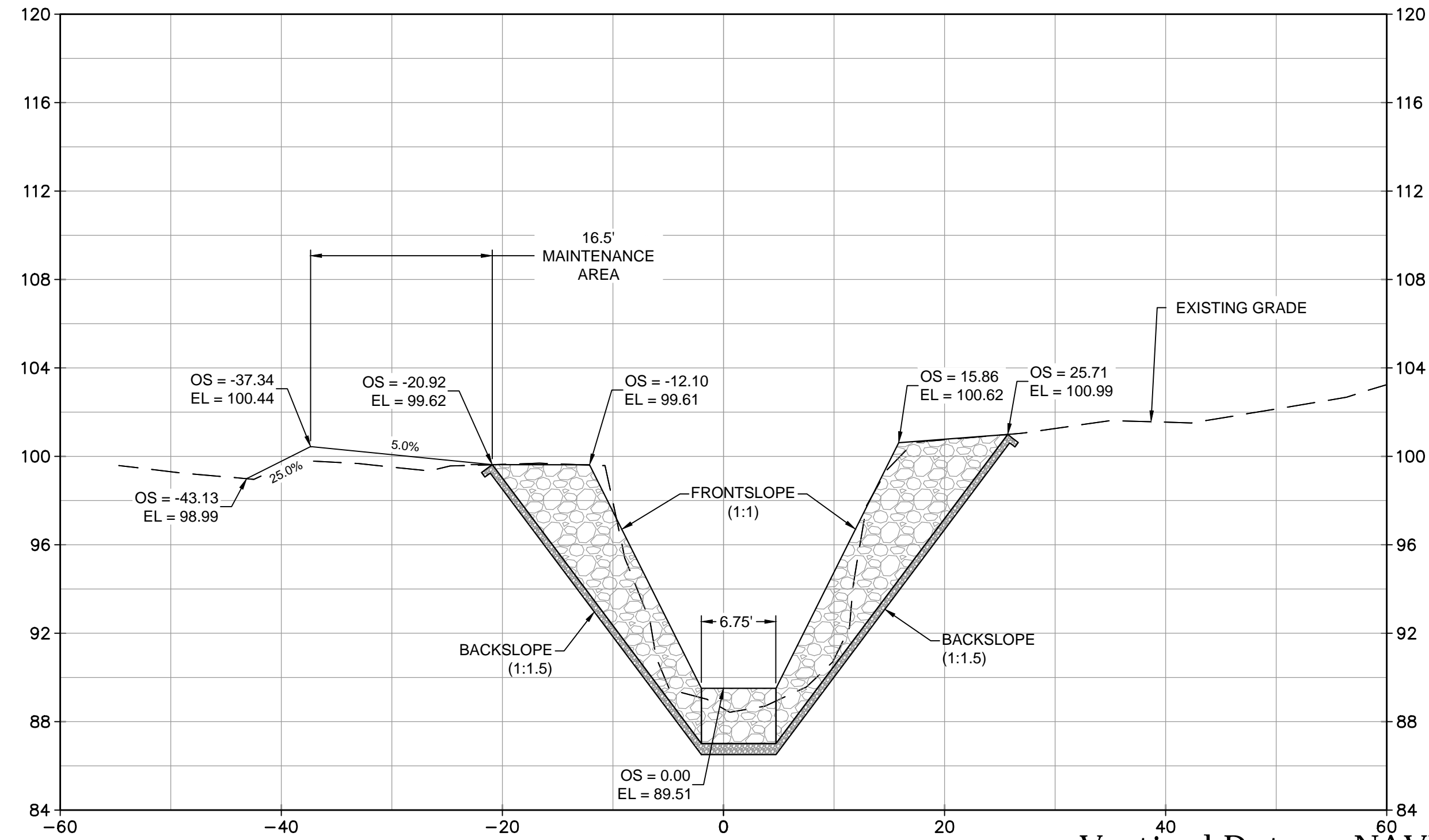
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18+25



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ENGINEER OF RECORD
 STEPHEN C. CHERRY, PE
 P.E. NO. 82808

ORIGINAL: 09/14/20

REVISIONS:	1	2	3	4	5

SHEET CROSS SECTIONS

PROJECT
 PARK AVENUE DITCH STABILIZATION
 AT BLAIR STONE ROAD BRIDGE

2316 Kilham Center Blvd, Bldg C, Suite 100, Tallahassee, FL 32309
 Phone No. 866.909.2220 www.iwglinc.com
 Cert No. 6091 - LB No. 7065

JOB NO. 3600.10
 DRAWN GAT
 DESIGNED SCC
 CHECKED SCC
 QC JWR

SHEET 13

NOTES

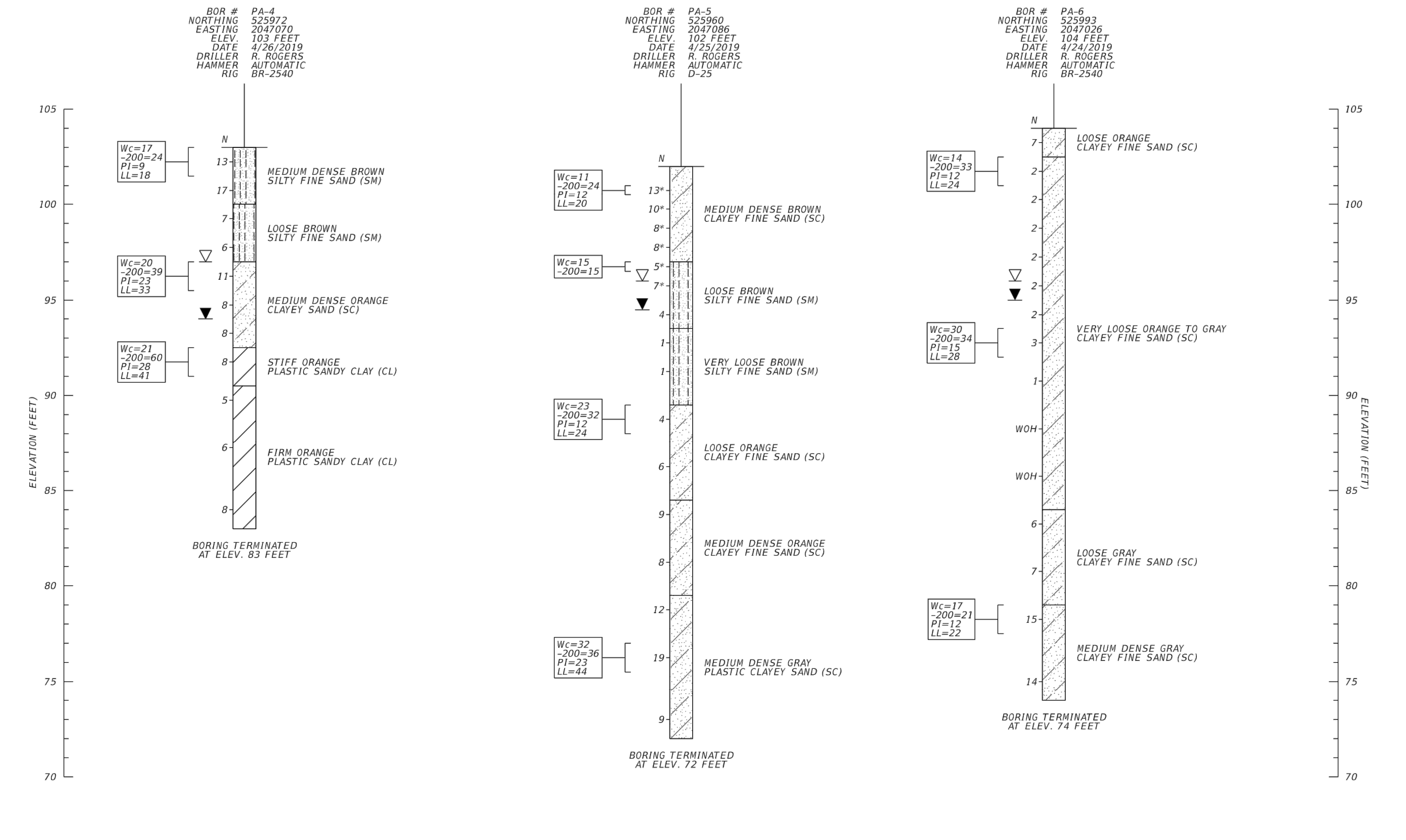
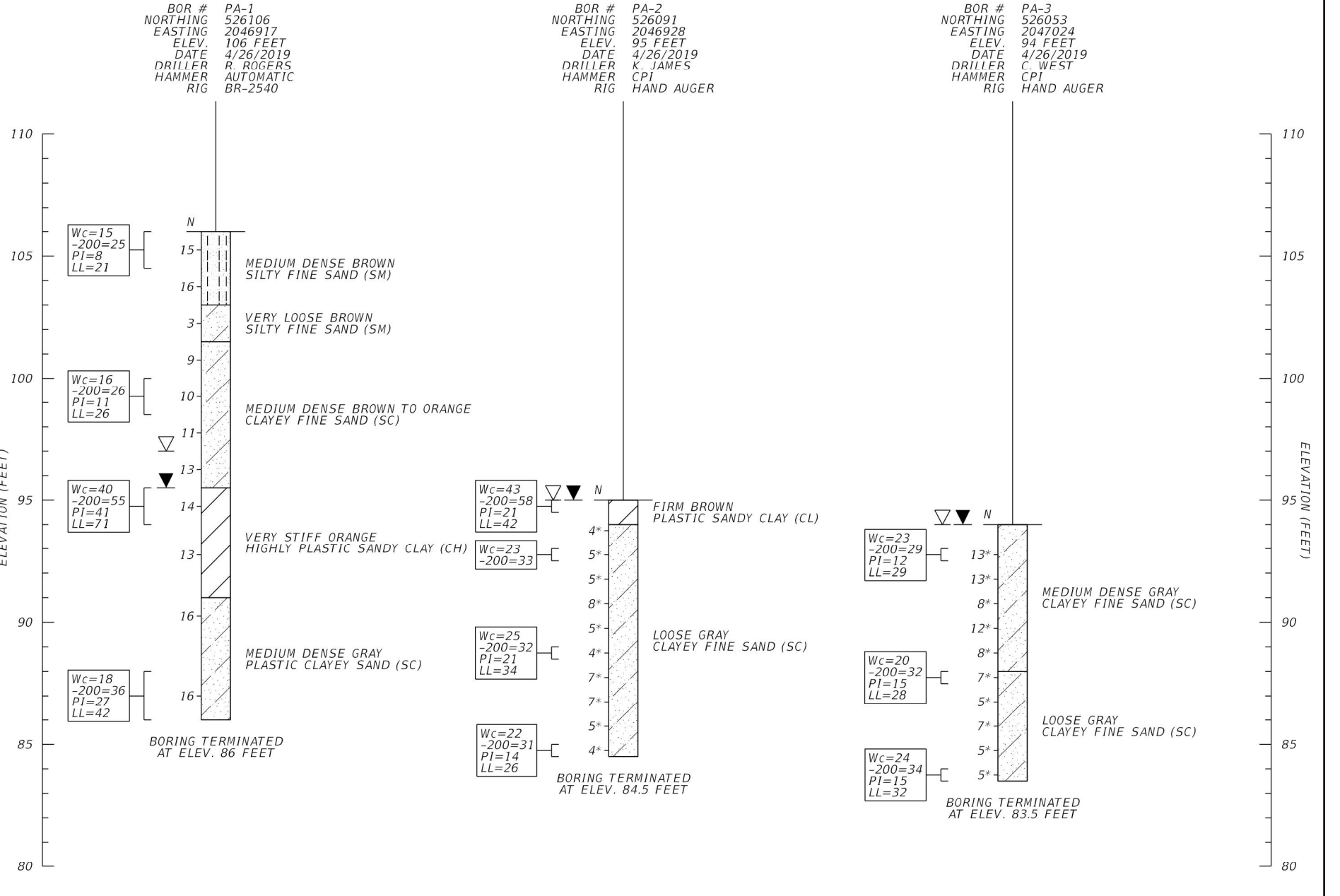
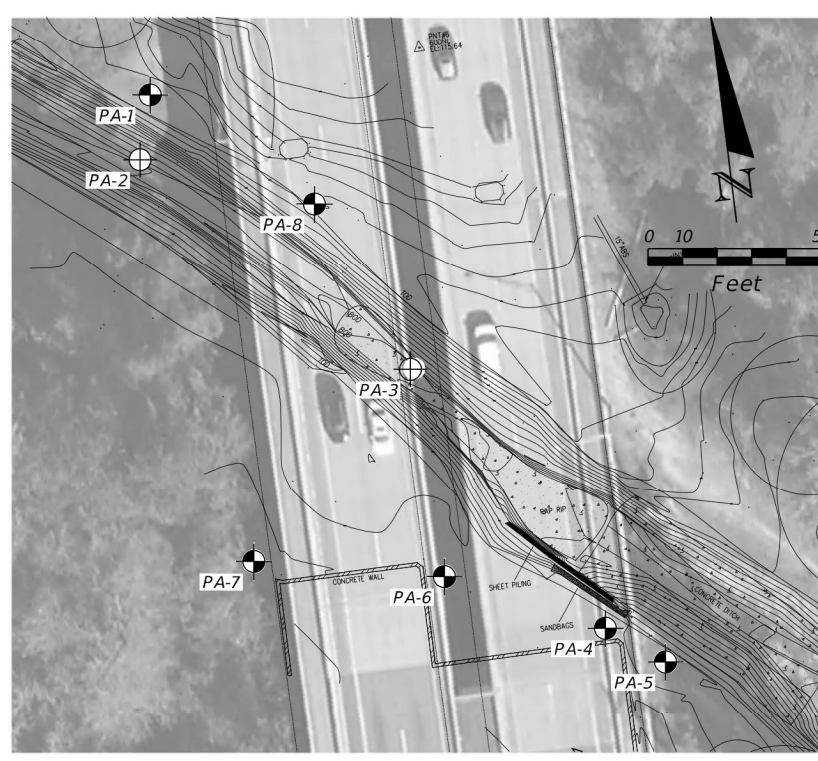
- NUMBERS LEFT OF BORINGS INDICATE STANDARD PENETRATION TEST (SPT) N-VALUES OR EQUIVALENT FOR 12-INCH PENETRATION.
- WATER ELEVATIONS SHOWN ARE THE WATER ELEVATIONS ENCOUNTERED. FLUCTUATIONS IN THE ELEVATIONS OF WATER SHOULD BE EXPECTED.
- SOIL DESCRIPTIONS, TEST DATA, AND STANDARD PENETRATION VALUES SHOWN ARE FOR THE SOIL BORING ONLY AND MAY NOT APPLY TO ANY OTHER LOCATIONS EXCEPT AT THE LOCATION OF THE SOIL BORING. EXTRAPOLATION OF THE SOIL BORING DATA TO OTHER LOCATIONS IS THE SOLE RESPONSIBILITY OF THE PERSON PERFORMING THE EXTRAPOLATION.
- ASTERISK (*) INDICATES EQUIVALENT SPT N-VALUES CONVERTED FROM CONE PENETROMETER INDEX (CPI) VALUES.

LEGEND



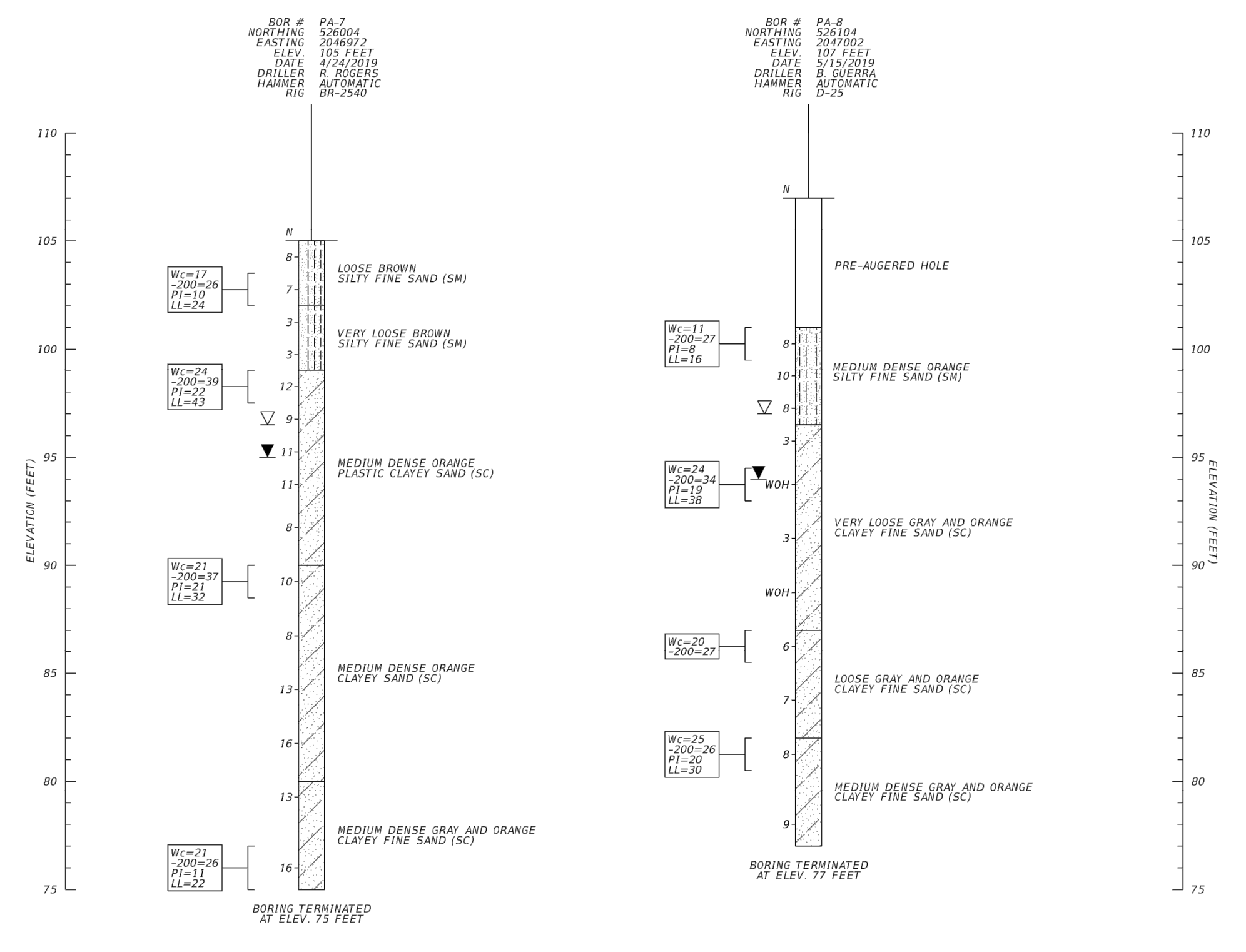
AUTOMATIC HAMMER		SAFETY HAMMER	
GRANULAR MATERIALS	SPT (BLOWS/12 IN.)	SILTS AND CLAYS	SPT (BLOWS/12 IN.)
VERY LOOSE	LESS THAN 3	VERY SOFT	LESS THAN 2
LOOSE	3 - 8	FIRM	4 - 8
MEDIUM DENSE	8 - 15	STIFF	8 - 15
DENSE	15 - 30	VERY STIFF	15 - 30
VERY DENSE	GREATER THAN 30	HARD	GREATER THAN 30

SOIL BORING LOCATION MAP



REVISIONS		SEAL	Environmental & Geotechnical Specialists, Inc.	WANTMAN GROUP, INC.	REPORT OF SOIL BORINGS	SHEET NO.
DATE	BY	DESCRIPTION	MYRON L. HAYDEN P.E. NO.: 34087	PROJECT TITLE PARK AVENUE CHANNEL UNDER BLAIR STONE BRIDGE CROSSING	(1 OF 3)	

REVISIONS		SEAL	Environmental & Geotechnical Specialists, Inc.	WANTMAN GROUP, INC.	REPORT OF SOIL BORINGS	SHEET NO.
DATE	BY	DESCRIPTION	MYRON L. HAYDEN P.E. NO.: 34087	PROJECT TITLE PARK AVENUE CHANNEL UNDER BLAIR STONE BRIDGE CROSSING	(2 OF 3)	



REVISIONS		SEAL	Environmental & Geotechnical Specialists, Inc.	WANTMAN GROUP, INC.	REPORT OF SOIL BORINGS	SHEET NO.
DATE	BY	DESCRIPTION	MYRON L. HAYDEN P.E. NO.: 34087	PROJECT TITLE PARK AVENUE CHANNEL UNDER BLAIR STONE BRIDGE CROSSING	(3 OF 3)	

Date _____
Signature _____

ORIGINAL REVISIONS:

1	
2	
3	
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5	

SOIL SURVEY

PROJECT
**PARK AVENUE DITCH STABILIZATION
AT BLAIR STONE ROAD BRIDGE**

WGL

2316 Kilham Center Blvd., Bldg. C, Suite 100, Tallahassee, FL 32309
Phone No. 866.909.2220 www.wginc.com
Cert No. 6091 - LB No. 7055

PLEASE REFER TO ENVIRONMENTAL AND GEOTECHNICAL SPECIALIST, INC.'S "REPORT OF GEOTECHNICAL INVESTIGATION, CHANNEL STABILIZATION, PARK AVENUE CHANNEL UNDER BLAIRSTONE BRIDGE CROSSING, TALLHASSEE, FLORIDA" DATED JULY 18, 2019 FOR FULL DETAILS & SPECIFIC INFORMATION.

JOB NO. 3600.10
DRAWN _____
DESIGNED _____
CHECKED _____
QC _____

SHEET 14

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GENERAL NOTES:

NPDES PERMIT COVERAGE IS NOT REQUIRED FOR THIS PROJECT AS THE DISTURBANCE IS LESS THAN 1 ACRE IN AREA. IF THIS WORK IS COMBINED WITH OTHER PROJECTS AND THE COMBINED PROJECT TRIP 1 ACRE OF DISTURBANCE AREA, THE CONTRACTOR SHALL OBTAIN THE NECESSARY NPDES COVERAGE AND COMPLY WITH ALL RELATED SEDIMENT AND EROSION CONTROL REGULATIONS (PERMIT COVERAGE, INSPECTIONS, MAINTENANCE OF BMP'S, REPORT/RECORD KEEPING ETC).

1. ALL CONSTRUCTION MATERIALS AND DEBRIS WILL BE PLACED IN A DUMPSTER AND HAULED OFF SITE FOR PROPER DISPOSAL NO MATERIALS SHALL BE BURIED ON SITE.
2. ANY FUEL CONTAINERS KEPT ON SITE SHALL BE PLACED WITHIN A DRIP PAN TO PREVENT AND LEAKS OR DRIPS FROM POLLUTING RUNOFF. ALL PAINTS OR OTHER CHEMICALS SHALL BE IN A LOCKED COVERED SHED.
3. PORT-O-LETS SHALL BE PLACED AWAY FROM STORM SEWER SYSTEMS, STORMWATER INLETS, SURFACE WATERS, WETLANDS.
4. NO VEHICLE MAINTENANCE SHALL BE CONDUCTED ON-SITE.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR STREET SWEEPING OR OTHER METHODS FOR REMOVING SEDIMENT TRACKED ONTO PAVED SURFACES.
6. THE FULL CONSTRUCTION PLANS SHALL BE INCLUDED AS PART OF THE SWPPP PLAN.
7. SILT FENCE OR SILT BARRIER SHALL BE CONSIDERED LIMITS OF CLEARING WHERE NO LIMITS OF CLEARING IS DESIGNATED.

SEDIMENT AND EROSION CONTROL NOTES:

- 1) THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE PREVENTION, CONTROL, AND ABATEMENT OF EROSION AND WATER POLLUTION AS WELL AS THE TRANSPORTATION OF ERODED MATERIALS OFF SITE.
- 2) THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ANY AND ALL SEDIMENT CONTROL DEVICES THROUGHOUT THE DURATION OF CONSTRUCTION AS REQUIRED BY THE DISTRICT AND REGULATORY STATE AGENCY (FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION OR NORTHWEST FLORIDA WATERMANAGEMENT DISTRICT).
- 3) THIS SWPPP AND THE PLANS ONLY INDICATE EROSION, SEDIMENT, AND TURBIDITY CONTROLS AT STRATEGIC LOCATIONS IDENTIFIED AS PART OF THE DESIGN PROCESS AND IS PROVIDED TO THE CONTRACTOR FOR GUIDANCE IN PREPARATION OF THE CONTRACTOR'S EROSION AND SEDIMENT CONTROL PLAN. THE LOCATIONS AND TYPES OF ENVIRONMENTAL CONTROL FEATURES (BMP'S) SHOWN MAY NOT ADEQUATELY PREVENT EROSION OR THE TRANSPORTATION OF ERODED MATERIAL OFF-SITE DURING EACH PHASE OF CONSTRUCTION. IT MAY BE NECESSARY FOR THE CONTRACTOR TO PROVIDE SUPPLEMENTARY SEDIMENT AND EROSION CONTROL DEVICES TO ACCOMMODATE THE CONTRACTOR'S METHOD AND PHASING OF CONSTRUCTION ACTIVITIES.
- 4) THIS STORMWATER POLLUTION PREVENTION PLAN HAS BEEN PROVIDED FOR THE CONTRACTOR'S CONVENIENCE, HOWEVER THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING FDEP NPDES PERMIT COVERAGE AND IS REQUIRED TO PREPARE AN EROSION AND SEDIMENT CONTROL PLAN FOR EACH PHASE OF CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH THE STATE OF FLORIDA EROSION SEDIMENT CONTROL DESIGNER & REVIEWER MANUAL, LATEST EDITION & THE APPLICABLE SECTION OF THE FDOT STANDARD SPECIFICATIONS. THE CONTRACTOR SHALL PROVIDE EROSION CONTROL MEASURES TO PREVENT EROSION, POLLUTION OF WATER DETRIMENTAL EFFECTS TO PUBLIC OR PRIVATE PROPERTY ADJACENT TO THE PROJECT AND DAMAGE TO THE WORK ON THE PROJECT.
- 5) PRIOR TO THE PRECONSTRUCTION CONFERENCE, THE CONTRACTOR SHALL SUBMIT A DETAILED EROSION AND SEDIMENT CONTROL PLAN, TO SPECIFICALLY ADDRESS THE CONTRACTOR'S MEANS, METHODS, AND PHASING OF CONSTRUCTION ACTIVITIES.

THE EROSION AND SEDIMENT CONTROL PLAN SHALL INDICATE THE NAME AND PHONE NUMBER OF THE CONTRACTOR'S REPRESENTATIVE RESPONSIBLE ON A 24-HOUR BASIS FOR EROSION AND SEDIMENT CONTROL INSTALLATION AND MAINTENANCE. THE CONTRACTOR IS REQUIRED TO UPDATE THE SWPPP AS REQUIRED TO REFLECT ANY ADDITIONAL CONTROLS NECESSARY TO PREVENT THE POSSIBILITY OF SILTING ANY ADJACENT LOWLAND PARCEL OR RECEIVING WATERBODY, OR OTHERWISE VIOLATING ANY LOCAL, STATE, OR FEDERAL PERMIT REQUIREMENTS.
- 6) CONSTRUCTION ACTIVITIES SHALL NOT BEGIN UNTIL THE CONTRACTOR'S EROSION AND SEDIMENT CONTROL PLAN HAS BEEN APPROVED BY THE DISTRICT INSPECTOR AND THE ENGINEER.
- 7) SEDIMENT BARRIER SHALL BE CONSIDERED LIMITS OF CLEARING/CONSTRUCTION WHERE NO LIMITS OF CLEARING/CONSTRUCTION ARE DESIGNATED.
- 8) ALL CONSTRUCTION MATERIALS AND DEBRIS WILL BE PLACED IN A DUMPSTER AND HAULED OFF SITE FOR PROPER DISPOSAL. NO MATERIALS SHALL BE BURIED ON SITE.
- 9) ANY FUEL CONTAINERS KEPT ON SITE SHALL BE PLACED WITHIN A DRIP PAN TO PREVENT ANY LEAKS OR DRIPS FROM POLLUTING RUNOFF. ALL PAINTS OR OTHER CHEMICALS SHALL BE IN A LOCKED COVERED SHED.
- 10) PORT-O-LETS SHALL BE PLACED AWAY FROM STORM SEWER SYSTEMS, STORMWATER INLETS, SURFACE WATERS, OR WETLANDS.
- 11) NO VEHICLE MAINTENANCE SHALL BE CONDUCTED ON-SITE. A WASHDOWN AREA, SURROUNDED BY A VEGETATED BERM, SHALL BE DESIGNATED AND SHALL BE LOCATED IN AN AREA THAT WILL NOT ALLOW FOR THE DISCHARGE OF ANY POLLUTED RUNOFF.
- 12) IF NECESSARY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR STREET SWEEPING, PIPE DE-SILTING, AND OTHERWISE REMOVING ANY SEDIMENT THAT MAY ESCAPE THE SITE DURING CONSTRUCTION.
- 13) DO NOT TRENCH WITHIN THE CENTRAL PROTECTION ZONE OF ANY TREE THAT IS TO REMAIN.
- 14) THIS SET OF CONSTRUCTION PLANS SHALL BE INCLUDED AS PART OF THE STORMWATER POLLUTION AND PREVENTION PLAN.

DESCRIPTION OF SITE & CONSTRUCTION ACTIVITIES

PARCEL AREA: 2.96 +/- ACRES
 PROJECT DISTURBED AREA: 0.99 +/- ACRES
 PROJECT LOCATION: BLAIRSTONE BRIDGE OVER CSX RAILROAD REALIGNMENT OF EXISTING DRAINAGE DITCH, ADDITION OF GABION BASKETS, GABION MATTRESS, AND RIP RAP. CREATE STABILIZED MAINTENANCE ROAD ALONG NORTH SIDE OF DITCH.
 ACTIVITIES: STORMWATER RUNOFF IS COLLECTED AND CONVEYED TO AN EXISTING STORMWATER CONVEYANCE SYSTEM ON SITE.
 DISCHARGE OF STORMWATER: FINE SAND, LOAMY FINE SAND, SANDY CLAY LOAM, FINE SANDY LOAM, PER ENVIRONMENTAL & GEOTECHNICAL SPECIALIST, INC., REPORT. JULY 18, 2019
 SOIL TYPE: LAKE LAFAYETTE DRAINAGE BASIN
 RECEIVING WATERS: NONE KNOWN
 ENVIRONMENTALLY SENSITIVE AREAS:

SWPPP REQUIREMENTS

INSPECTION:
 CONTRACTOR SHALL HAVE A QUALIFIED INSPECTOR INSPECT ALL SEDIMENT AND EROSION CONTROL DEVICES ON A WEEKLY BASIS AND AFTER EACH 0.5" OR MORE RAINFALL EVENT. EROSION AND SEDIMENT CONTROLS IN ACTIVE WORK ZONES WILL BE INSPECTED AT THE END OF EACH WORK DAY TO ASSURE THAT THEY HAVE NOT BEEN DISTURBED BY CONSTRUCTION ACTIVITIES.
 ALL EROSION AND SEDIMENT CONTROLS WILL BE MAINTAINED IN GOOD WORKING ORDER. IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF IDENTIFYING THE NEED FOR REPAIR.
INSTRUCTION:
 PRIOR TO CLEARING, ALL SILT FENCE SHALL BE INSTALLED. AREAS THAT ARE TO BE DISTURBED FOR MORE THAN 7 DAYS SHALL BE STABILIZED WITH SEED AND MULCH. AREAS WHERE THE CONSTRUCTION ACTIVITY HAS PERMANENTLY CEASED SHALL BE STABILIZED WITH PERMANENT SEED OR OTHER FORM OF PERMANENT STABILIZATION. SOD SHALL BE USED TO STABILIZE THE SIDES OF THE RETENTION POND AND AS OTHERWISE INDICATED. ALL INSTALLATION OF EROSION CONTROL DEVICES SHALL BE AS DEPICTED ON THE ATTACHED PLANS, AS DEFINED IN THE FDOT DESIGN STANDARDS, AND/OR PER THE CONTRACTOR'S EROSION CONTROL PLAN.
REPORT:
 THE SEDIMENT AND EROSION CONTROL INSPECTOR SHALL ALSO KEEP A MAINTENANCE RECORD OF INSPECTION DATES AND TIMES, RESULTS OF INSPECTION, ANY REPAIRS THAT WERE NECESSARY, AND ANY ADDITIONAL MEASURES THAT HAVE BEEN ADDED. THE SWPPP ALONG WITH THE MAINTENANCE RECORD SHALL BE KEPT ON-SITE FOR INSPECTION BY THE DISTRICT, FDEP AND OTHER APPROPRIATE ENTITIES AT ALL TIMES AND SHOULD BE UPDATED TO REFLECT ANY CHANGES THAT TAKE PLACE IN THE FIELD.
DOCUMENTATION:
 ALL DOCUMENTS REQUIRED TO OBTAIN THE NPDES PERMIT INCLUDING THE RECORD OF MAINTENANCE AND REPAIRS AS WELL AS THE SWPPP, SHALL BE KEPT A MINIMUM OF 4 YEARS AFTER FINAL STABILIZATION IS ACHIEVED AND CONTROL DEVICES HAVE BEEN REMOVED.
CLOSE-OUT:
 AT COMPLETION OF THE PROJECT, REQUEST A FINAL INSPECTION WITH THE DISTRICT INSPECTOR, CEI AND THE ENGINEER OF RECORD. NO SEDIMENT OR EROSION CONTROL DEVICES SHALL BE REMOVED UNTIL THE AREA IS PROPERLY STABILIZED AND THE DISTRICT APPROVES OF THE STABILIZATION AND REMOVAL OF BMP'S. IMMEDIATELY AFTER REMOVAL OF THE SEDIMENT AND EROSION CONTROL DEVICES, THE CONTRACTOR SHALL FILE A (NPDES) STORMWATER NOTICE OF TERMINATION.
CONTRACTOR'S CERTIFICATION:
 "I CERTIFY THAT UNDER PENALTY OF LAW THAT I UNDERSTAND, AND SHALL COMPLY WITH, THE TERMS AND CONDITIONS OF THE STATE OF FLORIDA GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES AND EROSION AND SEDIMENT CONTROL PLAN."

 (SIGNED) (DATED)
 NAME, TITLE, AND COMPANY INFORMATION (TO BE DETERMINED).

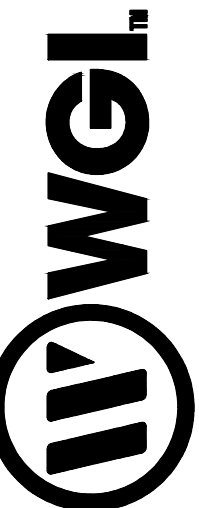
ENGINEER OF RECORD
 STEPHEN C. CHERRY, P.E.
 P.E. NO. 63208

 Signature Date

ORIGINAL	09/04/20
REVISIONS:	
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SHEET
STORMWATER POLLUTION PREVENTION AND TREE PROTECTION PLAN

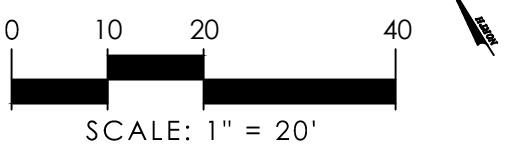
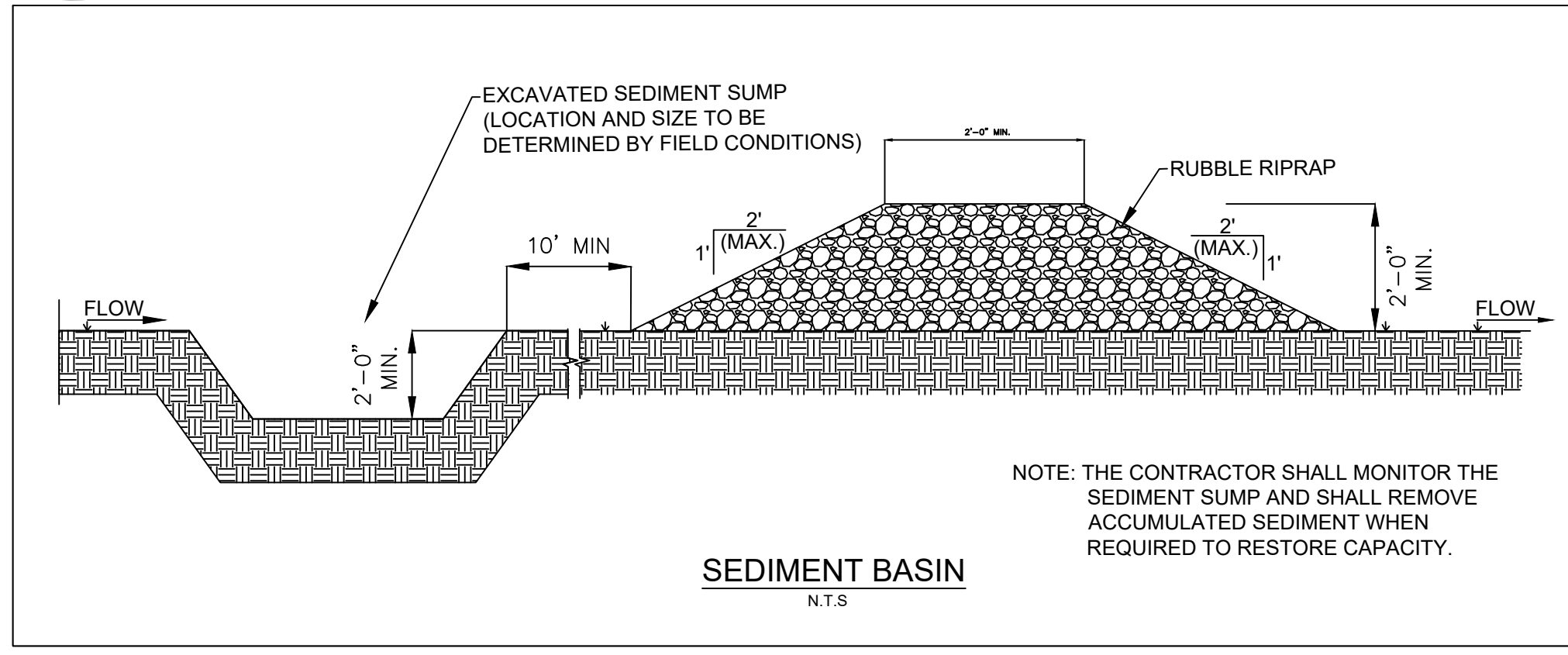
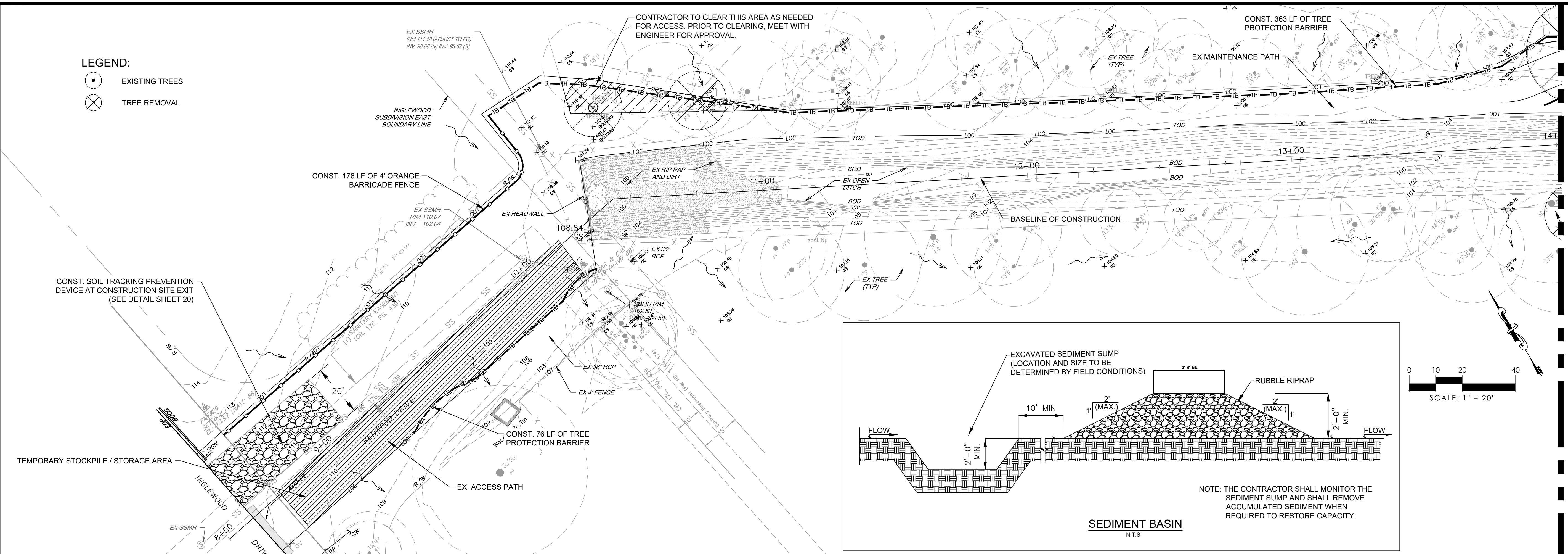
PROJECT
PARK AVENUE DITCH STABILIZATION AT BLAIR STONE ROAD BRIDGE



2316 Killearn Center Blvd, Bldg C, Suite 100, Tallahassee, FL 32309
 Phone No. 866.909.2220 www.wglinc.com
 Cert No. 60971 - LB No. 7065

JOB NO.	3600.10
DRAWN	GAT
DESIGNED	SCC
CHECKED	SCC
QC	JWR

- LEGEND:**
-  EXISTING TREES
 -  TREE REMOVAL



MATCHLINE BELOW

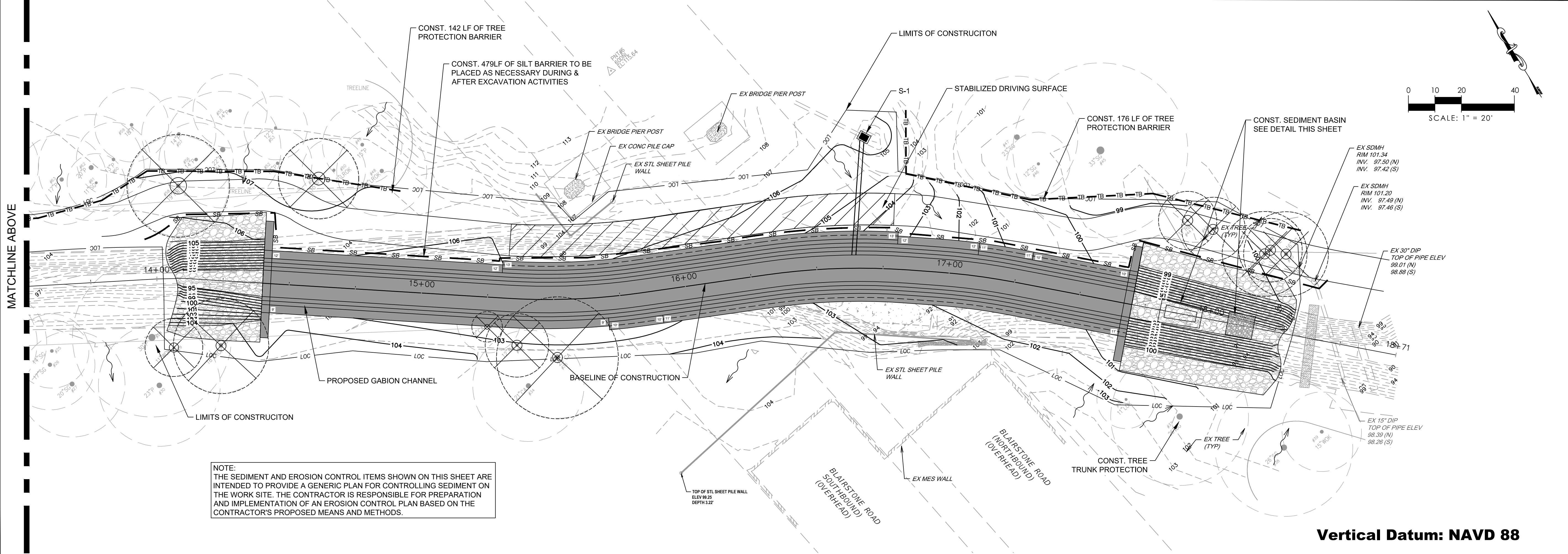
ENGINEER OF RECORD
STEPHEN C. CHERRY, P.E.
P.E. NO. 52328

ORIGINAL: 09/14/20

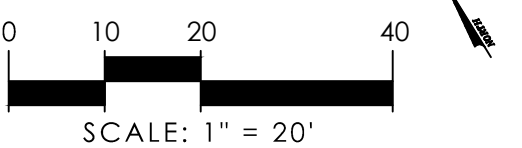
REVISIONS:	1	2	3	4	5

STORMWATER POLLUTION PREVENTION AND TREE PROTECTION PLAN

User: Burton, Lane C:\pwworking\wg\burton.lane\d1912563_360010-CV-SWPPP.dwg 11/30/2020 05:23:07 PM



NOTE:
THE SEDIMENT AND EROSION CONTROL ITEMS SHOWN ON THIS SHEET ARE INTENDED TO PROVIDE A GENERIC PLAN FOR CONTROLLING SEDIMENT ON THE WORK SITE. THE CONTRACTOR IS RESPONSIBLE FOR PREPARATION AND IMPLEMENTATION OF AN EROSION CONTROL PLAN BASED ON THE CONTRACTOR'S PROPOSED MEANS AND METHODS.



MATCHLINE ABOVE

PARK AVENUE DITCH STABILIZATION AT BLAIR STONE ROAD BRIDGE

WGL

2316 Kilham Center Blvd, Bldg C, Suite 100, Tallahassee, FL 32309
Phone No. 866.909.2220 www.wginc.com
Cert No. 6091 - LB No. 7055

PROJECT: PARK AVENUE DITCH STABILIZATION AT BLAIR STONE ROAD BRIDGE

JOB NO. 3600.10
DRAWN: GAT
DESIGNED: SCC
CHECKED: SCC
QC: JWR

Vertical Datum: NAVD 88

SHEET 16

User: Burton Lane C:\pwworking\wg\burton.lane\d1912563\130010-CV-COT-DET.dwg 10/09/2020 02:36:17 PM

UNPACKING & ASSEMBLY PROCESS

NOTE:
1) PIPE PROTECTION MUST BE AS SPECIFIED BY PIPE MANUFACTURER IF IT IS NEEDED

1. CUT THE AREA FOR PIPE ON BOTH GABION BASKET FACES AS SHOWN

2. FILL THE GABION BASKET WITH STONES UP TO THE ELEVATION OF THE PIPE BASE

3. BEND MESH EDGES TO THE INNER SIDE OF THE GABION BASKET

4. PLACE THE PIPE THROUGH GABION BASKET AND COVER PIPE WITH A PROTECTIVE MESH IF NEEDED AS SPECIFIED BY PIPE MANUFACTURER

5. TIE THE CIRCLE EDGES WITH LACING WIRE

6. CONTINUE FILLING WITH STONES UP TO THE TOP OF THE BASKET. ROCKS UNDER AND AROUND PIPE AREA MUST BE PACKED TO LIMIT ROCK SETTLEMENTS

Maccaferri Inc. assumes no responsibility for the drawings and calculations if possible, as they must be intended as a general indication to suggest the proper use of its products.

Project:	Gabion With Pipe Placement Detail
Project No.:	Client:
Drawing No.:	Gabion Pipe Detail_02
Scale:	NTS
Revision:	NTS
Author:	10/09/2020
Designer:	DATE: 03/01/07
Checked:	DATE:
Approved:	DATE:
Project Title:	12"-24" Pipe Through Gabion
Scale:	NOT FOR CONSTRUCTION
Revision:	

Maccaferri Inc. 10303 Governor Lane Blvd, Williamsport, MD 21796-2118 USA, Ph: (301) 223-6970 Fax: (301) 223-6134

CLOSING PROCESS

1. Open and unfold the gabions one by one on a flat, hard surface. Eliminate all folds due to the packaging.

2. Pull up the sides and the diaphragms to form an open box. Be sure the top of the face and the side are of the same level.

3. Fold by hand the end of the reinforcing wire of the main unit and the diaphragms allowing the gabion to stand by itself.

Maccaferri Inc. assumes no responsibility for the drawings and calculations if possible, as they must be intended as a general indication to suggest the proper use of its products.

Project:	Gabion Construction Drawings
Project No.:	Client:
Drawing No.:	Gabion Construction Drawing_01
Scale:	NTS
Revision:	NTS
Author:	10/09/2020
Designer:	DATE: 03/01/07
Checked:	DATE:
Approved:	DATE:
Project Title:	Gabion Assembly Process
Scale:	NOT FOR CONSTRUCTION
Revision:	

Maccaferri Inc. 10303 Governor Lane Blvd, Williamsport, MD 21796-2118 USA, Ph: (301) 223-6970 Fax: (301) 223-6134

INTERNAL CONNECTION - CROSS TIES

1. RING FASTENER 2h (50mm) OPEN AND 2h (20mm) CLOSED.

2. RING FASTENER HAS 170 Kg/mm² BREAKING LOAD.

3. RING FASTENER WIRE 0.120in (3mm).

CONNECTION TECHNIQUES

EDGES ARE JOINED TOGETHER, USING THE APPROPRIATE LACING TECHNIQUES. MANUAL: CONTINUOUS WIRE LOOPED TIGHTLY AROUND EVERY OTHER MESH OPENING, ALTERNATING SINGLE AND DOUBLE LOOPS (FIG. 5). MECHANICAL: USING A PNEUMATIC OR HAND POWER TOOL, EMPLOYING STAINLESS STEEL "C" SHAPED FASTENERS, FOR CONTINUITY AND STRENGTH, THE RECOMMENDED SPACING IS MAX 5in (150mm) (FIG. 6B).

Maccaferri Inc. assumes no responsibility for the drawings and calculations if possible, as they must be intended as a general indication to suggest the proper use of its products.

Project:	Gabion With Pipe Placement Detail
Project No.:	Client:
Drawing No.:	Gabion Pipe Detail_01
Scale:	NTS
Revision:	NTS
Author:	10/09/2020
Designer:	DATE: 03/01/07
Checked:	DATE:
Approved:	DATE:
Project Title:	36" Pipe Between Gabion Detail
Scale:	NOT FOR CONSTRUCTION
Revision:	

Maccaferri Inc. 10303 Governor Lane Blvd, Williamsport, MD 21796-2118 USA, Ph: (301) 223-6970 Fax: (301) 223-6134

PIPE IN BOTTOM ROW OF GABION BASKETS

OPTION 1
Lacing Wire (Typ.)
No Knots On Face Of Bag (Typ.)

OPTION 2
Lacing Wire (Typ.)
No Knots On Face Of Bag (Typ.)

OPTION 3
Preformed Stiffeners (Equally Spaced)

Maccaferri Inc. assumes no responsibility for the drawings and calculations if possible, as they must be intended as a general indication to suggest the proper use of its products.

Project:	Gabion Construction Drawings
Project No.:	Client:
Drawing No.:	Gabion Construction Drawing_03
Scale:	NTS
Revision:	NTS
Author:	10/09/2020
Designer:	DATE: 03/01/07
Checked:	DATE:
Approved:	DATE:
Project Title:	Gabion Closing Process
Scale:	NOT FOR CONSTRUCTION
Revision:	

Maccaferri Inc. 10303 Governor Lane Blvd, Williamsport, MD 21796-2118 USA, Ph: (301) 223-6970 Fax: (301) 223-6134

INTERNAL CONNECTION - CROSS TIES

1. RING FASTENER 2h (50mm) OPEN AND 2h (20mm) CLOSED.

2. RING FASTENER HAS 170 Kg/mm² BREAKING LOAD.

3. RING FASTENER WIRE 0.120in (3mm).

CONNECTION TECHNIQUES

EDGES ARE JOINED TOGETHER, USING THE APPROPRIATE LACING TECHNIQUES. MANUAL: CONTINUOUS WIRE LOOPED TIGHTLY AROUND EVERY OTHER MESH OPENING, ALTERNATING SINGLE AND DOUBLE LOOPS (FIG. 5A). MECHANICAL: USING A PNEUMATIC OR HAND POWER TOOL, EMPLOYING STAINLESS STEEL "C" SHAPED FASTENERS, FOR CONTINUITY AND STRENGTH, THE RECOMMENDED SPACING IS MAX 5in (150mm) (FIG. 6B).

Maccaferri Inc. assumes no responsibility for the drawings and calculations if possible, as they must be intended as a general indication to suggest the proper use of its products.

Project:	Gabion Construction Drawings
Project No.:	Client:
Drawing No.:	Gabion Construction Drawing_03
Scale:	NTS
Revision:	NTS
Author:	10/09/2020
Designer:	DATE: 03/01/07
Checked:	DATE:
Approved:	DATE:
Project Title:	Gabion Closing Process
Scale:	NOT FOR CONSTRUCTION
Revision:	

Maccaferri Inc. 10303 Governor Lane Blvd, Williamsport, MD 21796-2118 USA, Ph: (301) 223-6970 Fax: (301) 223-6134

PIPE ABOVE BOTTOM ROW OF GABION BASKETS

OPTION 1
Lacing Wire (Typ.)
No Knots On Face Of Bag (Typ.)

OPTION 2
Lacing Wire (Typ.)
No Knots On Face Of Bag (Typ.)

OPTION 3
Preformed Stiffeners (Equally Spaced)

Maccaferri Inc. assumes no responsibility for the drawings and calculations if possible, as they must be intended as a general indication to suggest the proper use of its products.

Project:	Gabion Construction Drawings
Project No.:	Client:
Drawing No.:	Gabion Construction Drawing_03
Scale:	NTS
Revision:	NTS
Author:	10/09/2020
Designer:	DATE: 03/01/07
Checked:	DATE:
Approved:	DATE:
Project Title:	Gabion Closing Process
Scale:	NOT FOR CONSTRUCTION
Revision:	

Maccaferri Inc. 10303 Governor Lane Blvd, Williamsport, MD 21796-2118 USA, Ph: (301) 223-6970 Fax: (301) 223-6134

UNPACKING & ASSEMBLY PROCESS

NOTE:
1) PIPE PROTECTION MUST BE AS SPECIFIED BY PIPE MANUFACTURER IF IT IS NEEDED

1. CUT THE AREA FOR PIPE ON BOTH GABION BASKET FACES AS SHOWN

2. FILL THE GABION BASKET WITH STONES UP TO THE ELEVATION OF THE PIPE BASE

3. BEND MESH EDGES TO THE INNER SIDE OF THE GABION BASKET

4. PLACE THE PIPE THROUGH GABION BASKET AND COVER PIPE WITH A PROTECTIVE MESH IF NEEDED AS SPECIFIED BY PIPE MANUFACTURER

5. TIE THE CIRCLE EDGES WITH LACING WIRE

6. CONTINUE FILLING WITH STONES UP TO THE TOP OF THE BASKET. ROCKS UNDER AND AROUND PIPE AREA MUST BE PACKED TO LIMIT ROCK SETTLEMENTS

Maccaferri Inc. assumes no responsibility for the drawings and calculations if possible, as they must be intended as a general indication to suggest the proper use of its products.

Project:	Gabion With Pipe Placement Detail
Project No.:	Client:
Drawing No.:	Gabion Pipe Detail_02
Scale:	NTS
Revision:	NTS
Author:	10/09/2020
Designer:	DATE: 03/01/07
Checked:	DATE:
Approved:	DATE:
Project Title:	12"-24" Pipe Through Gabion
Scale:	NOT FOR CONSTRUCTION
Revision:	

Maccaferri Inc. 10303 Governor Lane Blvd, Williamsport, MD 21796-2118 USA, Ph: (301) 223-6970 Fax: (301) 223-6134

CLOSING PROCESS

1. Open and unfold the gabions one by one on a flat, hard surface. Eliminate all folds due to the packaging.

2. Pull up the sides and the diaphragms to form an open box. Be sure the top of the face and the side are of the same level.

3. Fold by hand the end of the reinforcing wire of the main unit and the diaphragms allowing the gabion to stand by itself.

Maccaferri Inc. assumes no responsibility for the drawings and calculations if possible, as they must be intended as a general indication to suggest the proper use of its products.

Project:	Gabion Construction Drawings
Project No.:	Client:
Drawing No.:	Gabion Construction Drawing_01
Scale:	NTS
Revision:	NTS
Author:	10/09/2020
Designer:	DATE: 03/01/07
Checked:	DATE:
Approved:	DATE:
Project Title:	Gabion Assembly Process
Scale:	NOT FOR CONSTRUCTION
Revision:	

Maccaferri Inc. 10303 Governor Lane Blvd, Williamsport, MD 21796-2118 USA, Ph: (301) 223-6970 Fax: (301) 223-6134

PIPE IN BOTTOM ROW OF GABION BASKETS

OPTION 1
Lacing Wire (Typ.)
No Knots On Face Of Bag (Typ.)

OPTION 2
Lacing Wire (Typ.)
No Knots On Face Of Bag (Typ.)

OPTION 3
Preformed Stiffeners (Equally Spaced)

Maccaferri Inc. assumes no responsibility for the drawings and calculations if possible, as they must be intended as a general indication to suggest the proper use of its products.

Project:	Gabion Construction Drawings
Project No.:	Client:
Drawing No.:	Gabion Construction Drawing_03
Scale:	NTS
Revision:	NTS
Author:	10/09/2020
Designer:	DATE: 03/01/07
Checked:	DATE:
Approved:	DATE:
Project Title:	Gabion Closing Process
Scale:	NOT FOR CONSTRUCTION
Revision:	

Maccaferri Inc. 10303 Governor Lane Blvd, Williamsport, MD 21796-2118 USA, Ph: (301) 223-6970 Fax: (301) 223-6134

NOTE: IF THE DISTANCE TO GABION BASKETS OPPOSITE THE PIPE DISCHARGE IS LESS THAN 4 TIMES THE INTERNAL DIAMETER OF THE PIPE, THE BOTTOM ROW OF GABION BASKETS OPPOSITE THE PIPE DISCHARGE SHALL ALSO BE FILLED WITH Poured CONCRETE GROUT TO THE WIDTH OF THE GROUTED AREA OF THE GABION MAT.

ORIGINAL APRIL 1, 2019
REVISIONS:
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MISCELLANEOUS
DETAILS AND
CONSTRUCTION NOTES

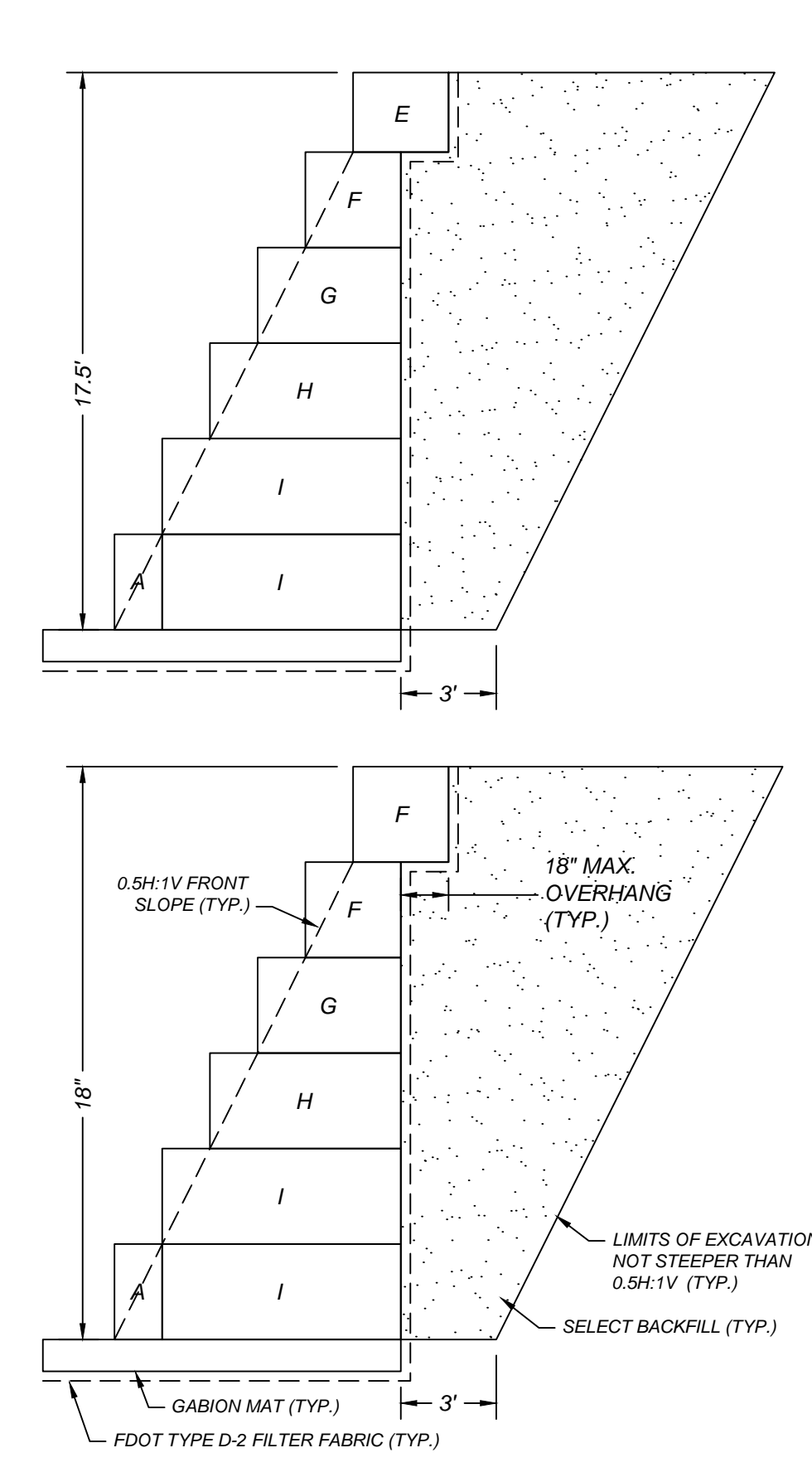
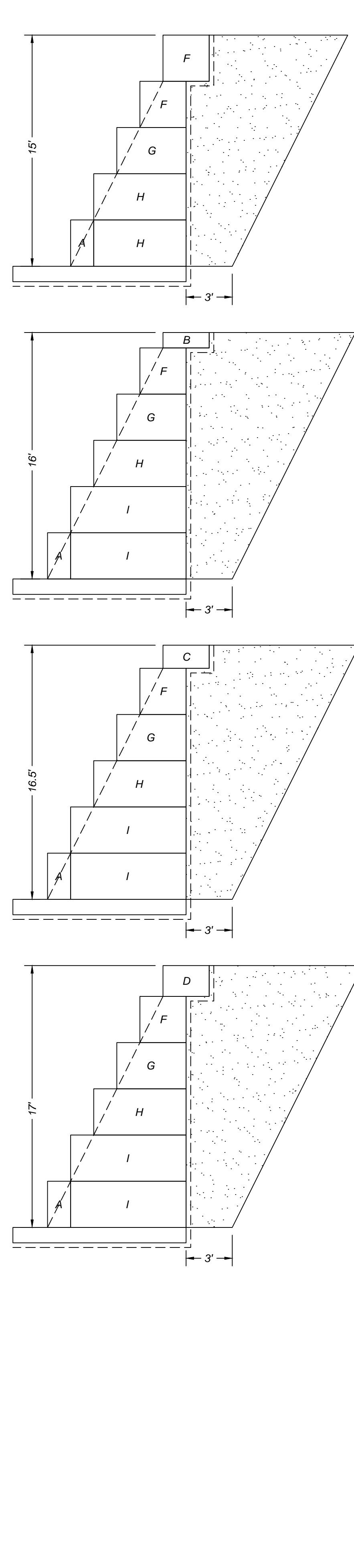
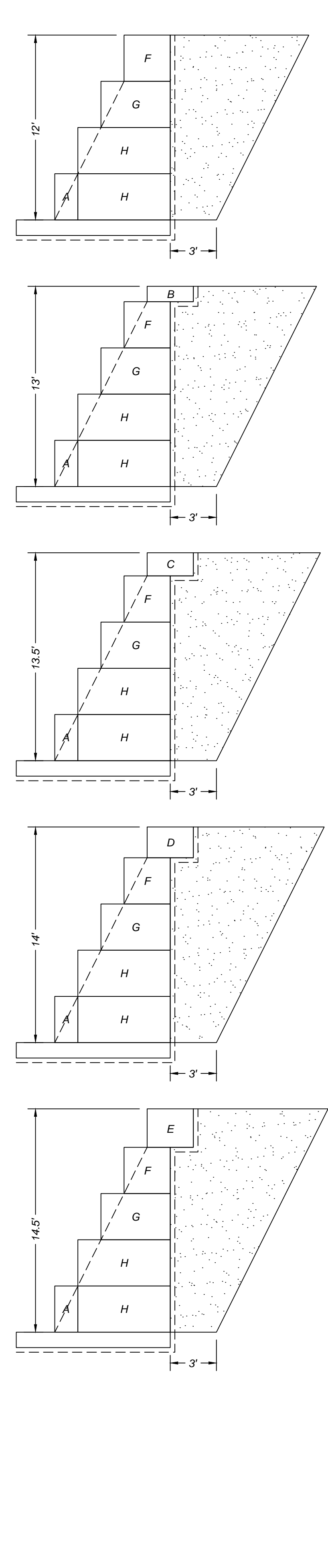
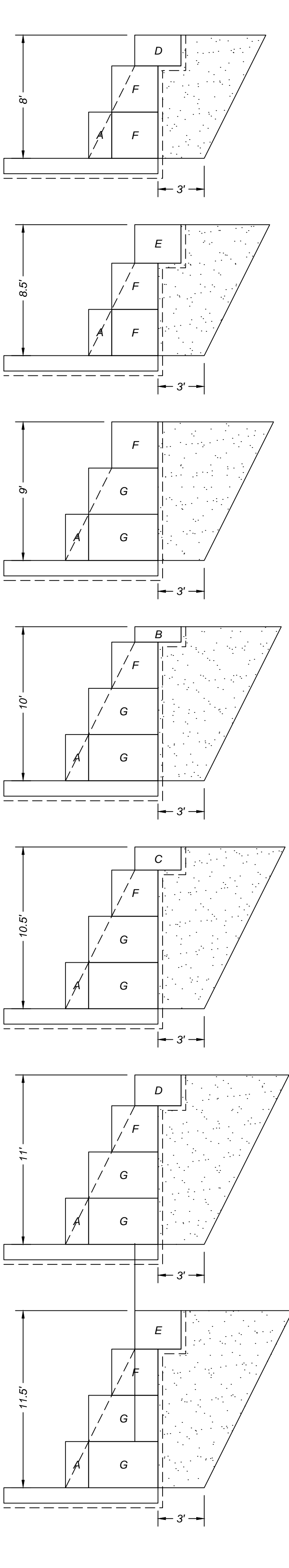
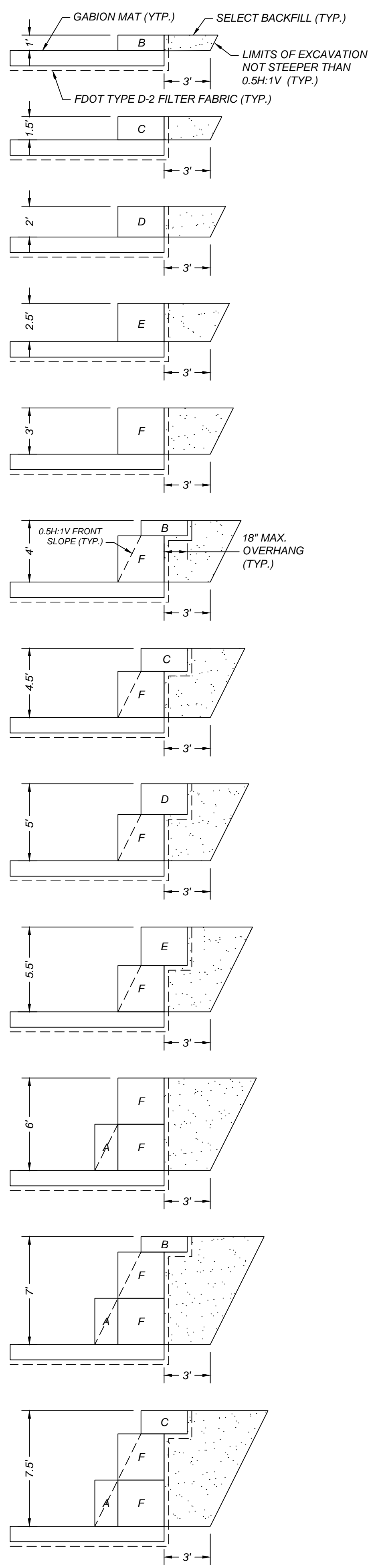
STANDARD DETAILS FOR
GABION CONSTRUCTION

CITY OF
ALLAHASSEE
UNDERGROUND UTILITIES DEPARTMENT
STORMWATER MANAGEMENT

JOB NO. N/A
DRAWN RJM
DESIGNED RJM
CHECKED JAS
QC JAS

SHEET 17

User: Burton, Lane
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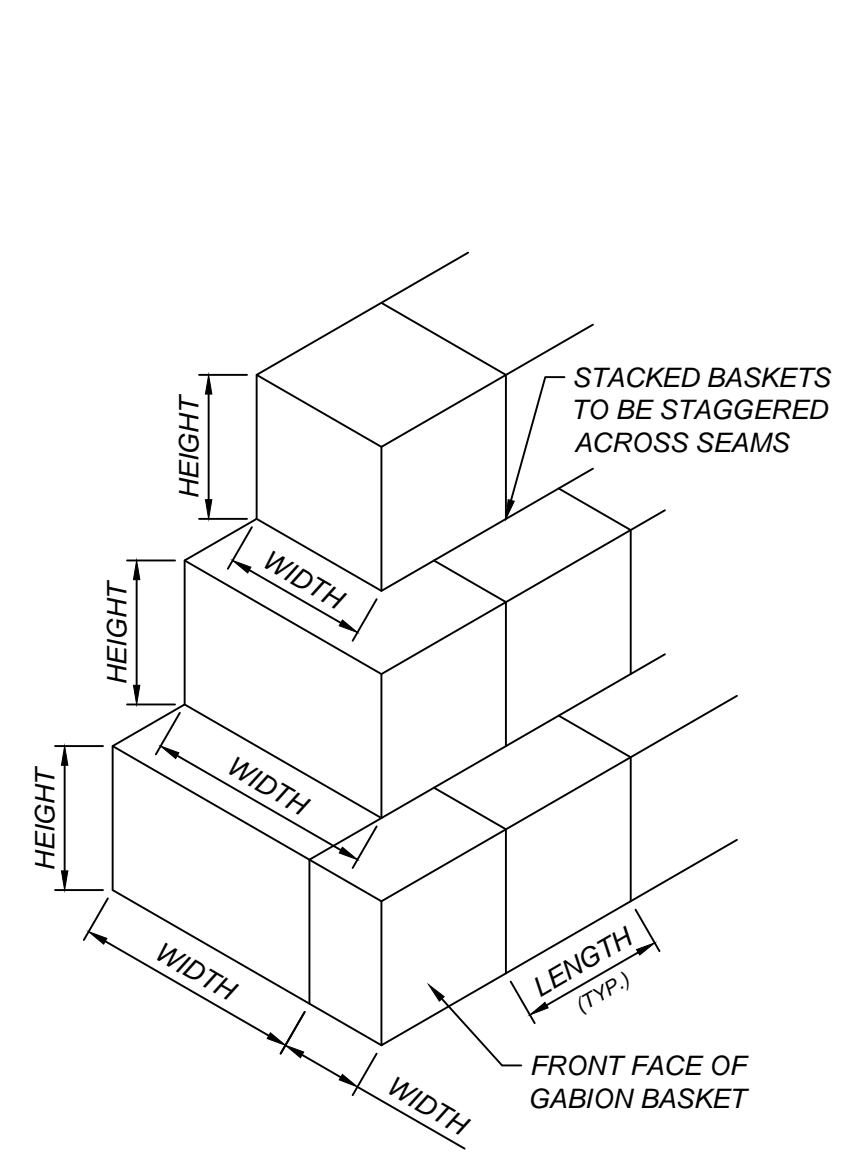
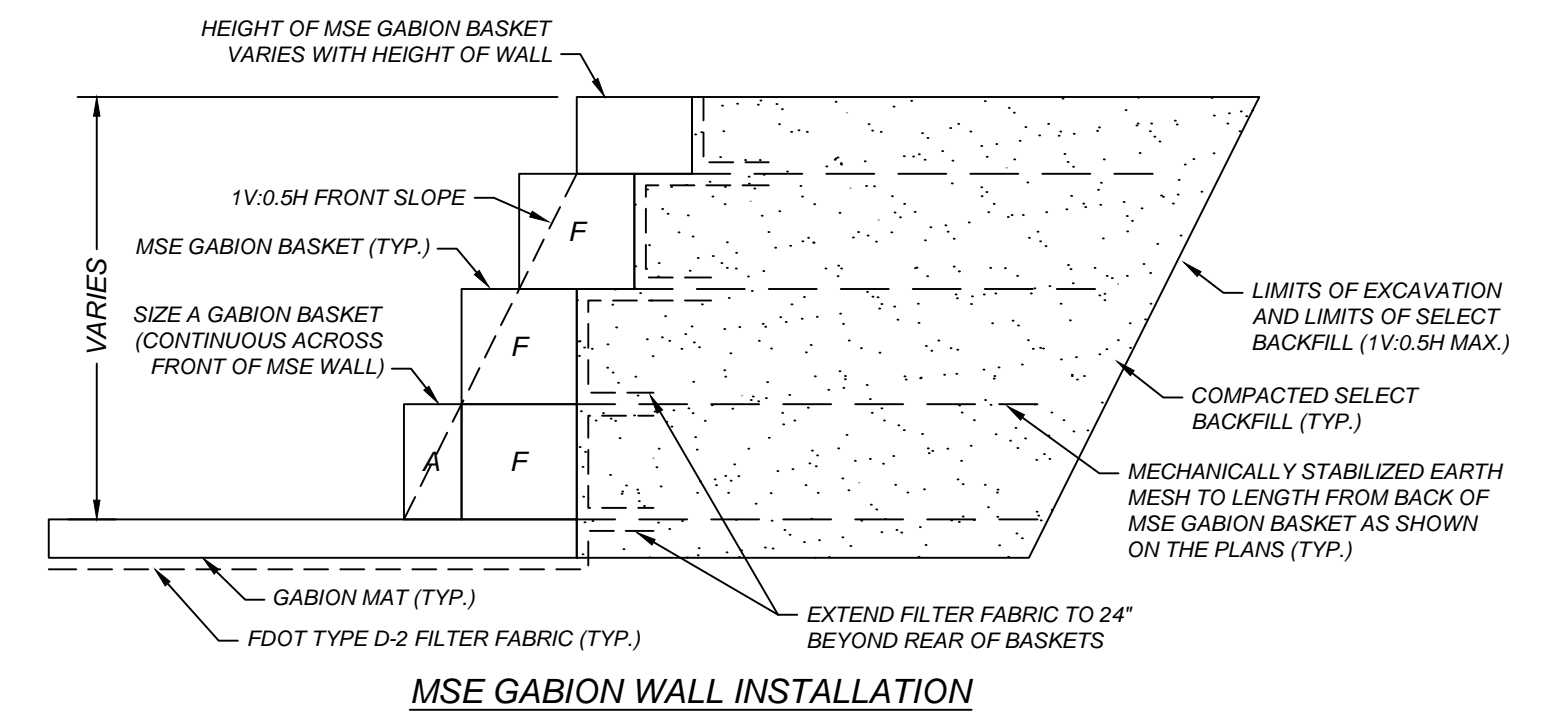
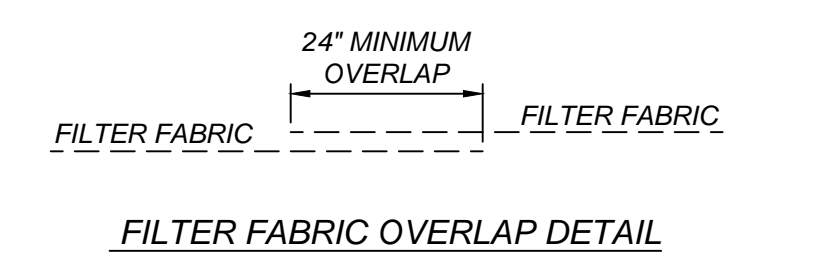


SIZE DESIGNATIONS FOR GABION BASKETS

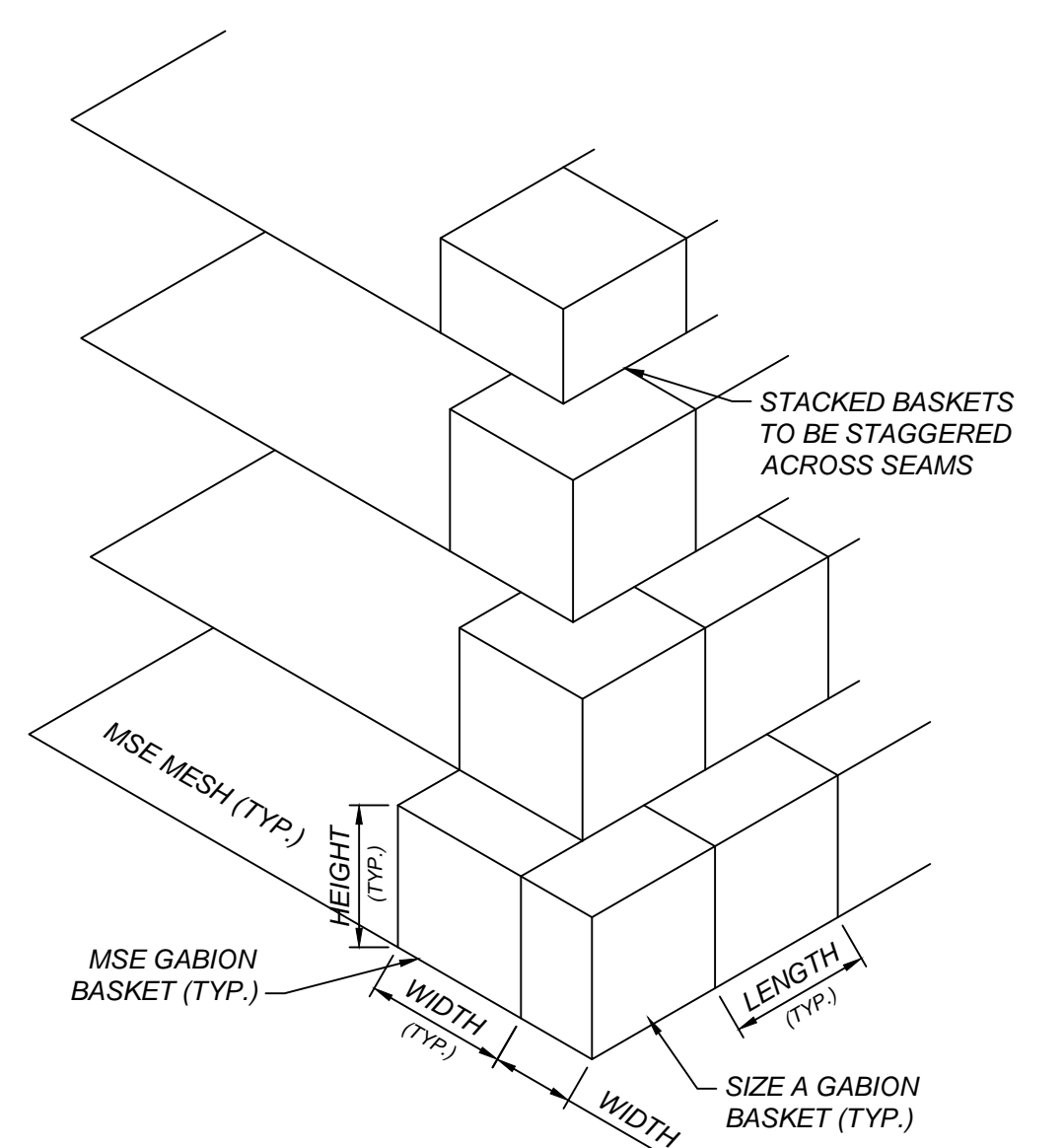
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B	3.0	1.0	Field Determine
C	3.0	1.5	Field Determine
D	3.0	2.0	Field Determine
E	3.0	2.5	Field Determine
F	3.0	3.0	Field Determine
G	4.5	3.0	3.0
H	6.0	3.0	3.0
I	7.5	3.0	3.0

- GENERAL NOTES**
1. SELECT BACKFILL SHALL COMPLY WITH SECTION 902-2.1 OF THE STANDARD SPECIFICATIONS AND SHALL BE FREE OF PLASTICS.
 2. STACKED BASKETS SHALL BE STAGGERED ACROSS SEAMS.

- FILTER FABRIC REQUIREMENTS**
1. FILTER FABRIC SHALL BE FDOT TYPE D-2.
 2. FILTER FABRIC SHALL COVER ALL BASKET SURFACES THAT WILL BE IN CONTACT WITH SOIL MATERIALS.
 3. FILTER FABRIC SHALL BE PRESSED TIGHTLY AGAINST GABION BASKETS.
 4. DO NOT TIE OR SECURE FILTER FABRIC TO GABION BASKETS.
 5. FILTER FABRIC SHALL OVERLAP A MINIMUM OF 24".
 6. AVOID TEARING FILTER FABRIC.



GABION BASKET STACKING DIAGRAM



MSE GABION WALL STACKING DIAGRAM

ORIGINAL APRIL 1, 2019
 REVISIONS:
 1
 2
 3
 4
 5

TYPICAL GABION BASKET CONFIGURATIONS BY HEIGHT OF WALL

STANDARD DETAILS FOR GABION CONSTRUCTION



JOB NO. N/A
 DRAWN RJM
 DESIGNED RJM
 CHECKED JAS
 QC JAS

