

ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH LOWNDES COUNTY & GDOT STANDARDS AND SPECIFICATIONS

ANY UTILITIES BEING PLACED OR RELOCATED ON STATE ROUTES WILL REQUIRE AN APPROVED GUPS PERMIT.

CONSTRUCTION PLANS FOR BRIGGSTON ROAD PAVING IMPROVEMENTS

IGTIA # 2101054
PI # 0016275
SGRC-114

LOWNDES COUNTY, GEORGIA
L.L. 20, 21, 24, 25, & 26 OF THE 16TH L.D. & L.L. 70 & 71 OF THE 11TH L.D.



DATE: SEPTEMBER 14, 2022
REVISED: JULY 14, 2023

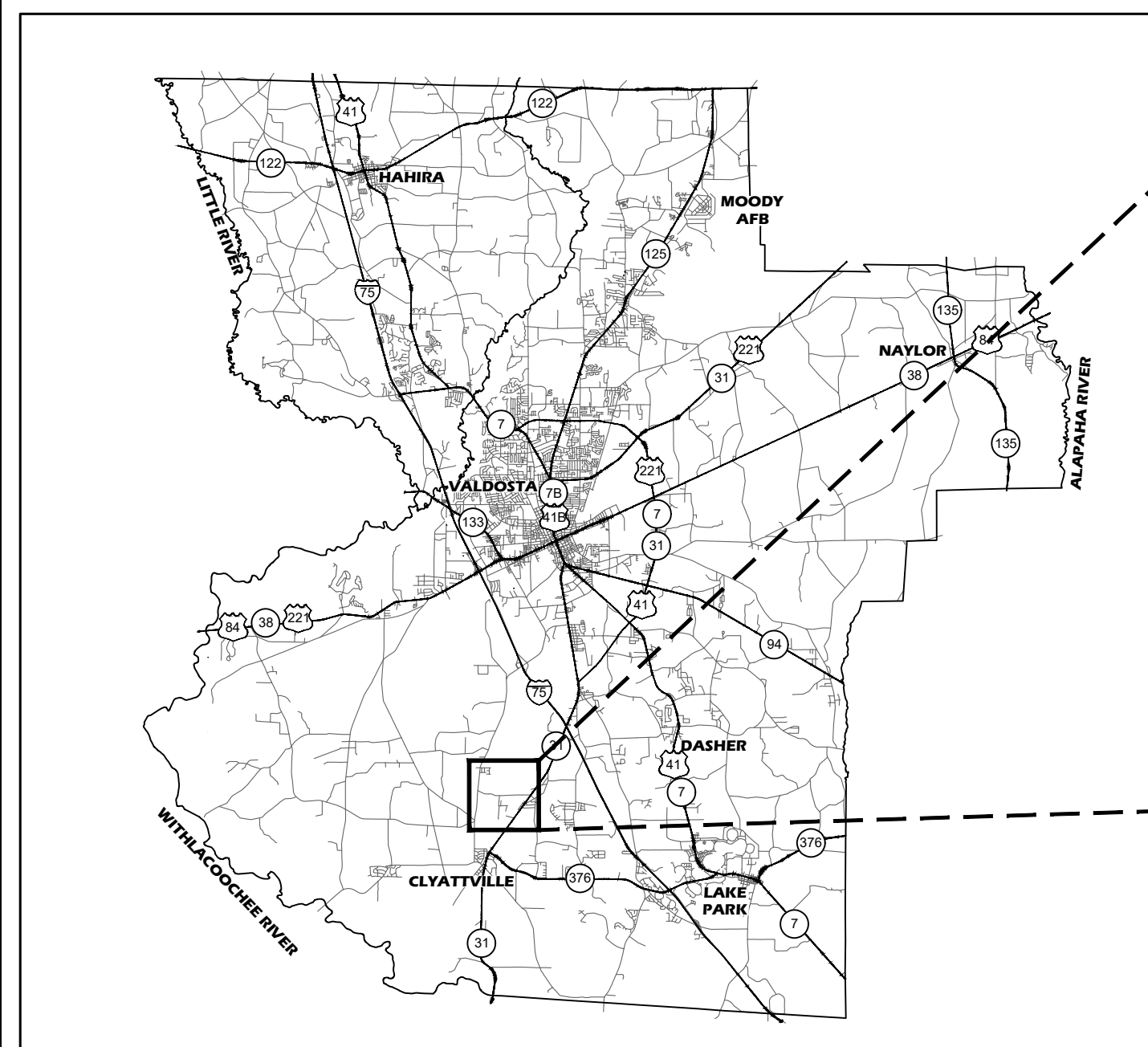
PREPARED BY:

INNOVATE!

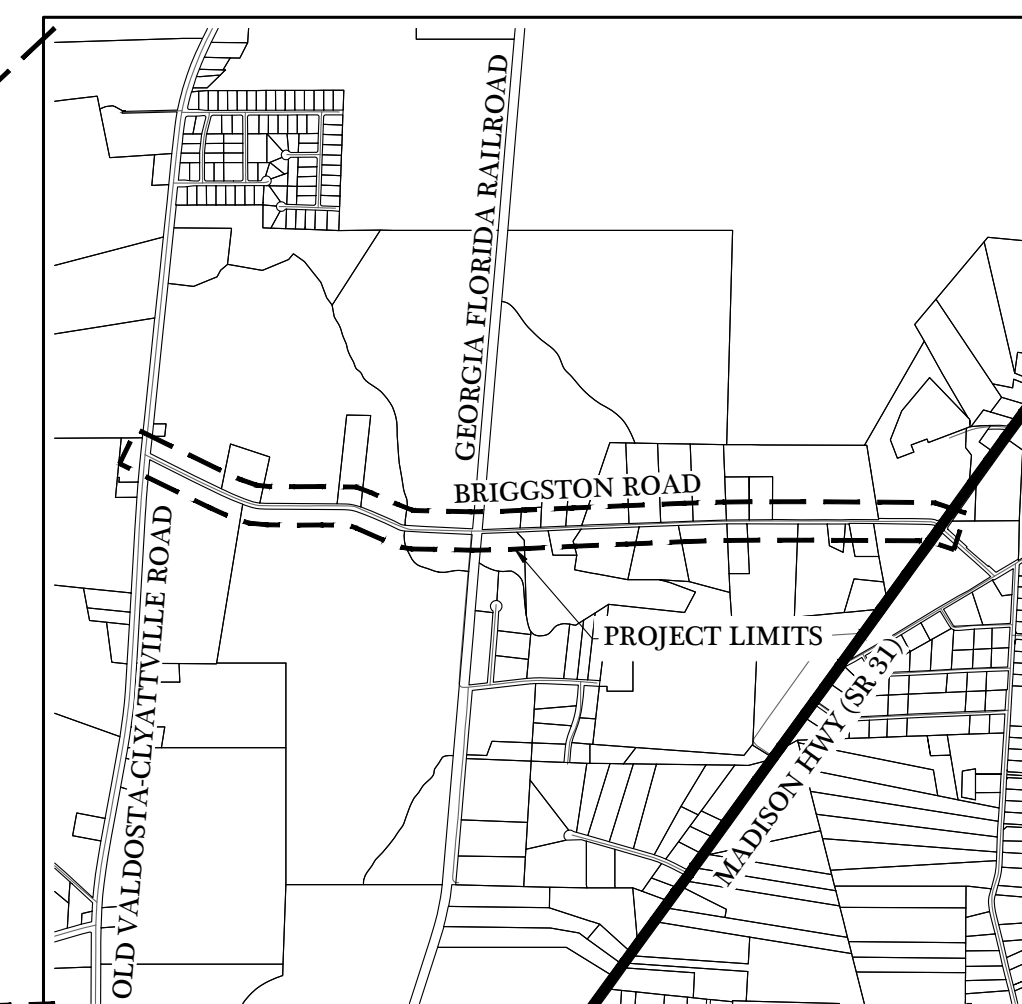
Engineering & Surveying

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LOCATION MAP
N.T.S.



LOCATION MAP
SCALE: 1" = 2000'

CONTACT INFORMATION

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PROJECT ENGINEER
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LOWNDES COUNTY OFFICIALS

CHAIRMAN	BILL SLAUGHTER
DISTRICT 1	JOYCE EVANS
DISTRICT 2	SCOTT ORENSTEIN
DISTRICT 3	MARK WISENBAKER
DISTRICT 4	DEMARCUS MARSHALL
DISTRICT 5	CLAY GRINER
COUNTY MANAGER	PAIGE DUKES
COUNTY ENGINEER	MIKE FLETCHER, PE



PROJECT NUMBER
1669

GENERAL CONSTRUCTION NOTES:

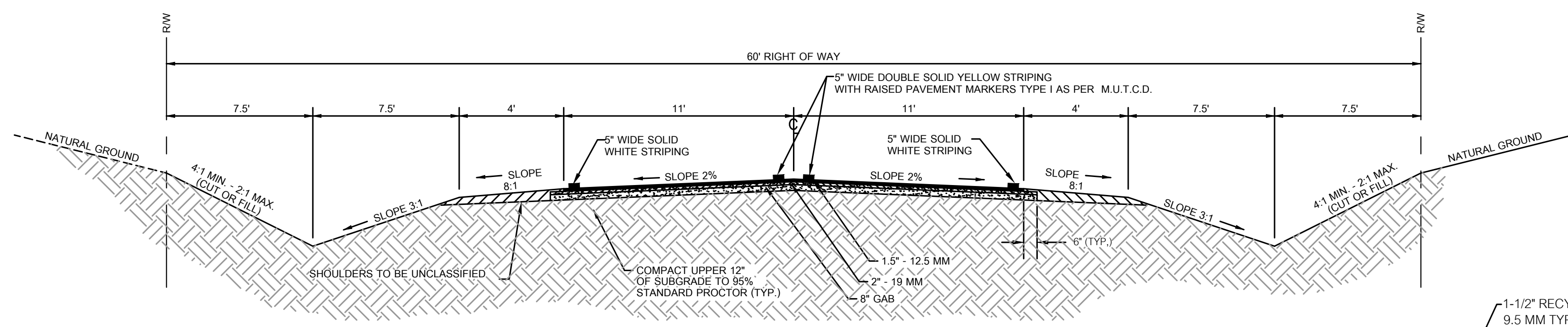
- UTILITIES SHOWN HEREON ARE BASED UPON ABOVE GROUND APPURTENANCES ONLY. UTILITY FACILITIES ARE SHOWN SCHEMATICALLY ON THE PLANS AND ARE NOT NECESSARILY ACCURATE AS TO DESCRIPTION, LOCATION, OR ELEVATION. UTILITY FACILITIES, SUCH AS SERVICE LINES OR UNKNOWN FACILITIES, NOT SHOWN ON THE PLANS WILL NOT RELIEVE THE CONTRACTOR OF HIS/FHER RESPONSIBILITY UNDER TITLE 26, CHAPTER 9, OFFICIAL CODE OF GEORGIA ANNOTATED. VERIFY THE ELEVATIONS OF PIPING, UTILITIES, AND ANY TYPE OF UNDERGROUND OR ENCASED OBSTRUCTION, NOT SPECIFICALLY INDICATED TO BE REMOVED, AS INDICATED OR DISCOVERED IN LOCATIONS TO BE TRAVERSED BY PIPING, DUCTS, AND OTHER WORK TO BE CONDUCTED OR INSTALLED.
- LOWNDES COUNTY WILL BE RESPONSIBLE FOR RELOCATING ALL UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES REGARDING LOCATION OF EXISTING UTILITIES AND SHALL BE RESPONSIBLE FOR THE COORDINATION OF WORK WHILE UTILITIES ARE BEING RELOCATED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF ANY DAMAGE TO UTILITIES RESULTING FROM WORK PERFORMED BY THE CONTRACTOR. THE CONTRACTOR SHALL TAKE THE NECESSARY STEPS TO MINIMIZE ANY INTERRUPTION OF UTILITY SERVICE TO THE SURROUNDING RESIDENTS. CALL TOLL-FREE 1-800-282-7411, 72 HOURS PRIOR TO THE START OF WORK SO THAT EXISTING UNDERGROUND UTILITIES MAY BE LOCATED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY LAND OR PROPERTY BEYOND THE PROJECT CONSTRUCTION AREA, WHICH MAY BE SUBJECT TO ANY EFFECTS OR BY-PRODUCTS OF HIS CONSTRUCTION EFFORTS.
- DEMOLITION SHOWN IS A MINIMUM REQUIREMENT. ADDITIONAL DEMOLITION MAY BE REQUIRED TO ACCOMMODATE CONSTRUCTION. THE CONTRACTOR SHALL REPAIR AND REPLACE ALL DAMAGED AND DISTURBED AREAS TO PRE-CONSTRUCTION CONDITIONS, OR BETTER, INCLUDING ALL PAVING, STABILIZED EARTH, SOD, DRIVEWAYS, TREES, SIDEWALKS, CURBS, STORM SEWERS, ETC. WHERE APPLICABLE, THE SAME TYPE OF MATERIAL THAT WAS REMOVED OR DAMAGED DURING CONSTRUCTION SHALL BE USED. IN AREAS OF SIDEWALK AND CURB REMOVAL, REMOVE TO NEAREST JOINT. ALL WORK SHALL BE IN ACCORDANCE WITH ALL APPLICABLE RULES, REGULATIONS, CODES, ETC. CONTRACTOR MUST DISPOSE OF MATERIALS AT A DESTINATION APPROVED BY THE CONTRACTING OFFICER. NO CONSTRUCTION WASTE SHALL BE BURIED ON SITE.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY WHEN CONFLICT BETWEEN THE DRAWINGS AND ACTUAL CONDITIONS ARE DISCOVERED DURING THE COURSE OF CONSTRUCTION.
- NO CONSTRUCTION SHALL COMMENCE UNTIL ALL APPLICABLE PERMITS AND REQUIRED EASEMENTS HAVE BEEN OBTAINED.
- CONTRACTOR SHALL PROVIDE ACCURATE AS-BUILTS ON CLEAN COPIES OF CONSTRUCTION PLANS. UTILITY AS-BUILTS SHOULD SHOW ACTUAL INSTALLED LOCATIONS OF MAINS, HYDRANTS, AND SERVICES, CROSSES, & TEES. SERVICES SHALL BE STATIONED FROM MANHOLES FOR SEWER. ALL MANHOLE PIPE INVERTS AND TOP ELEVATIONS SHOULD BE SHOWN. ALL EXISTING UTILITIES DISCOVERED DURING CONSTRUCTION SHALL BE NOTED ON AS-BUILTS AS TO HORIZONTAL AND VERTICAL LOCATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR INITIATING, SUPERVISING AND MAINTAINING ALL SAFETY PROGRAMS THROUGHOUT THE DURATION OF CONSTRUCTION. ALL BARRICADES, SUFFICIENT LIGHTS, SIGNS AND OTHER TRAFFIC CONTROL METHODS AS NECESSARY FOR THE PROTECTION AND SAFETY OF THE PUBLIC SHALL BE PROVIDED AND MAINTAINED BY THE CONTRACTOR THROUGHOUT THE DURATION OF CONSTRUCTION. TRAFFIC CONTROL METHODS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.).
- SAFE TRENCH CONSTRUCTION IS MANDATORY. ALL SLOPES SHALL BE LAID BACK OR SHORED AS NECESSARY.
- THE CONTRACTOR SHALL KEEP RECORDS OF WORK PERFORMED ON A DAILY BASIS. THE CONTRACTOR SHALL PROVIDE ADEQUATE OVERSIGHT AND MANAGEMENT FOR HIS CONSTRUCTION EFFORTS.

- COOPERATION AND COORDINATION BETWEEN ALL CONTRACTORS, UTILITY COMPANIES AND SUBCONTRACTORS ENGAGED IN THE WORK WITHIN AND ADJACENT TO THE CONSTRUCTION IS IMPORTANT FOR THE COMPLETION OF THIS PROJECT IN A TIMELY MANNER. IN THE CASE OF INTERFERENCE BETWEEN THE OPERATIONS OF THE DIFFERENT CONTRACTORS, UTILITY COMPANIES AND SUBCONTRACTORS, THE OWNER WILL BE THE SOLE JUDGE OF THE RIGHTS OF EACH AND THE SEQUENCE OF THE WORK NECESSARY TO EXPEDITE THE COMPLETION OF THIS PROJECT.
- THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES, ORDINANCES, RULES, REGULATIONS, AND LAWS OF LOCAL, MUNICIPAL, STATE OR FEDERAL AUTHORITIES HAVING JURISDICTION OVER THIS PROJECT. ALL PERMITS REQUIRED FOR CONSTRUCTION OPERATIONS SHALL BE OBTAINED BY THE CONTRACTOR. ALL ENVIRONMENTAL PERMITS WILL BE HANDLED BY LOWNDES COUNTY.
- THE CONTRACTOR SHALL SAW CUT EXISTING ASPHALT PAVEMENT AS REQUIRED TO PRODUCE A SMOOTH JOINT WITH NEW PAVEMENT.
- THE CONTRACTOR SHALL REMOVE ONLY THOSE TREES AND SHRUBS DEEMED NECESSARY FOR CONSTRUCTION. THE CONTRACTOR SHALL USE CARE TO MINIMIZE DAMAGE TO THE ROOT SYSTEM OF ANY TREES AND SHRUBS NEAR THE CONSTRUCTION AREA.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION STAKING.
- THE CONTRACTOR IS TO NOTIFY THE ENGINEER AT LEAST 24 HOURS PRIOR TO THE BEGINNING OF EACH PHASE OF CONSTRUCTION. THE CONTRACTOR SHALL ALSO NOTIFY APPLICABLE UTILITY PROVIDERS AT LEAST 24 HOURS PRIOR TO ANY CONSTRUCTION THAT MAY AFFECT THEM.
- THE CONTRACTOR SHALL MAINTAIN, AT ALL TIMES, ADEQUATE AND SAFE ACCESS FOR ALL RESIDENTS AND/OR ADJOINING PROPERTY OWNERS DURING CONSTRUCTION.
- ALL CONCRETE WASHOUT SHALL BE COLLECTED ON SITE AT A DESIGNATED AREA BY THE OWNER FOR OFFSITE DISPOSAL. WASHOUT SHALL BE MAINTAINED EITHER BY BERM OR BY WASHOUT PIT.
- ALL HAZARDOUS MATERIALS / WASTE SHALL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL OR STATE REGULATIONS OR BY THE MANUFACTURER.
- SANITARY WASTE GENERATED FROM PORTABLE UNITS SHALL BE EMPTIED AS REQUIRED TO PROVIDE SANITARY CONDITIONS. ALL SANITARY WASTE DISPOSAL PRACTICES SHALL BE CONDUCTED IN ACCORDANCE WITH STATE AND LOCAL WASTE DISPOSAL REGULATIONS.
- CONTRACTOR SHALL REVIEW, PLAN AND SEQUENCE SITE GRADING AND THE INSTALLATION OF UNDERGROUND UTILITIES TO ENSURE PROPER INSTALLATION AND ELIMINATE POTENTIAL CONFLICTS.

LOWNDES COUNTY GENERAL NOTES:

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH LOWNDES COUNTY STANDARDS AND SPECIFICATIONS.
- CONTRACTOR SHALL NOTIFY THE COUNTY ENGINEER AT LEAST 24 HOURS PRIOR TO THE BEGINNING OF EACH PHASE OF CONSTRUCTION.
- CONTRACTOR SHALL NOTIFY THE COUNTY UTILITY DEPARTMENT AT LEAST 24 HOURS PRIOR TO ANY CONNECTION TO THE LOWNDES COUNTY UTILITY SYSTEM.
- ALL EXTENSIONS AND ADDITIONS TO THE COUNTY UTILITY SYSTEM SHALL BE PERFORMED BY A GEORGIA LICENSED UTILITY CONTRACTOR.
- A MINIMUM OF 18" OF VERTICAL AND 10" HORIZONTAL SEPARATION SHALL BE MAINTAINED BETWEEN ALL UTILITIES.
- ANY CROSS CONNECTION TO THE LOWNDES COUNTY WATER SYSTEM IS PROHIBITED.
- ALL TEES AND BENDS SHALL BE DUCTILE IRON.
- CENTERLINE & EDGE LINE STRIPING SHALL CONSIST OF HIGH BUILD STRIPING. STOP BARS SHALL CONSIST OF THERMOPLASTIC TRAFFIC STRIPING.
- ALL SIGNS, POSTS, & HARDWARE WILL BE PROVIDED BY THE CONTRACTOR AND INSTALLED PER M.U.T.C.D. STANDARDS.
- CONTRACTOR SHALL FIELD VERIFY LOCATION OF DRIVEWAYS WITH PROPERTY OWNERS.
- CONTRACTOR SHALL REMOVE ALL STORM PIPING WITHIN THE PROJECT AREA UNLESS NOTED OTHERWISE.
- ALL DRIVEWAYS SHALL BE MAINTAINED AND ACCESSIBLE AT ALL TIMES DURING THE CONSTRUCTION OF THE PROJECT.
- WATER MAIN MATERIAL SHALL BE HDPE DR 11 (200 PSI MINIMUM).
- MAINTAIN 48" MINIMUM COVER OVER WATER MAINS.
- WATER MAIN INSTALLATION DOES INCLUDE WELLPOINT AREAS IF NECESSARY.
- THE CONTRACTOR SHALL BUILD ROAD AND DITCHES TO GRADE AS PER PLANS. NO "BEST FIT" PRACTICES ALLOWED.

CONTRACTOR SHALL VERIFY ELEVATIONS PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER IF ACTUAL CONDITIONS DIFFER THAT MAY AFFECT SUCCESSFUL COMPLETION OF IMPROVEMENTS



TYPICAL ROADWAY SECTION
NOT TO SCALE

SYMBOL LEGEND	
⊕	BENCHMARK
○	5/8" REBAR FOUND
○	1/2" REBAR FOUND
○	1/2" OPEN TOP PIPE FOUND
○	5/8" REBAR FOUND W/ CAP #2101
○	5/8" REBAR FOUND W/ CAP #2284
○	5/8" REBAR FOUND W/ CAP #3015
□	CONCRETE MARKER FOUND
DB	DEED BOOK
PG	PAGE NUMBER
⊕	FIRE HYDRANT
⊕	WATER VALVE
⊕	WATER METER
⊕	BACK FLOW PREVENTER
⊕	POST INDICATOR VALVE
⊕	IRRIGATION CONTROL VALVE
⊕	WELL
⊕	ELECTRIC METER
⊕	ELECTRIC TRANSFORMER
⊕	LIGHT POLE
⊕	UTILITY POLE
⊕	GLY WIRE
⊕	SANITARY CLEAN OUT
⊕	SANITARY SEWER MANHOLE
⊕	GAS VALVE
⊕	GAS METER
⊕	MONITORING WELL
⊕	AIR CONDITIONER UNIT
⊕	DRAINAGE MANHOLE
⊕	DROP INLET
⊕	FLARED END SECTION
⊕	MAIL BOX
⊕	FIBER OPTIC PEDESTAL
⊕	CABLE TELEVISION PEDESTAL
⊕	TELEPHONE PEDESTAL
⊕	TRAFFIC SIGN
X	FENCE LINE
G	GAS LINE
UT	UNDERGROUND TELEPHONE
UE	UNDERGROUND ELECTRIC
OU	OVERHEAD UTILITIES
SS	SANITARY SEWER LINE
W	WATER LINE

GDOT ACCESS MANAGEMENT GENERAL NOTES

- THIS PLAN IS APPROVED ON THE CONDITION THAT APPLICANT COMPLY WITH GEORGIA DEPARTMENT OF NATURAL RESOURCES ENVIRONMENTAL PROTECTION DIVISION, EROSION AND SEDIMENTATION CONTROL RULES AND REGULATIONS CHAPTER 391-3-7
- THIS PERMIT IS TO BE STRICTLY CONSTRUED AND NO WORK OTHER THAN THAT SPECIFICALLY DESCRIBED WITHIN IS HEREBY AUTHORIZED. THE WORK AUTHORIZED HEREIN MUST BEGIN WITHIN THREE MONTHS FROM THE DATE OF APPROVAL AND MUST BECOME COMPLETED ON A SCHEDULE SATISFACTORY TO THE DEPARTMENT AND NOT TO EXCEED TWELVE MONTHS FROM THE DATE THE PERMIT WAS APPROVED.
- THIS PERMIT APPROVED SUBJECT TO SPECIAL REQUIREMENT SHEET ATTACHED AND WILL REMAIN DEPENDENT UPON COMPLIANCE WITH THESE.
- APPLICANT SHALL RE-GRASS TO GDOT SPECIFICATIONS. ALL STATE RIGHT-OF-WAY AREA WHICH IS DAMAGED OR DISTURBED DURING WORK AUTHORIZED HEREIN.
- CURB AND GUTTER MUST MATCH EXISTING. IF EXISTING GUTTER HAS BEEN PAVED WITH ASPHALT THEN NEW GUTTER MUST BE PAVED WITH ASPHALT TO MATCH.
- TRAFFIC CONTROL SIGNS AND DEVICES MUST CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION.
- ADVERTISING SIGNS SHALL NOT BE PLACED ON OR OVERHANGING GDOT RIGHT-OF-WAY.
- ALL WORK ON GDOT RIGHT-OF-WAY MUST COMPLY WITH GDOT STANDARDS AND SPECIFICATIONS.
- DRIVEWAY AND EXTRA WIDENING MUST DRAIN AWAY FROM ROADWAY IN ALL CASES.
- ALL PAVED SHOULDERS SHALL BE SAWCUT AND REMOVED UNLESS IT HAS BEEN VERIFIED THAT THE BASE UNDER THE PAVED SHOULDER IS DEEMED ADEQUATE BY THE PERMIT INSPECTOR. ALL RUMBLE-PAVED SHOULDERS MUST BE OVERLAID.
- GRADE OF DRIVE AND EXTRA WIDENING SHALL MATCH EXISTING ROADWAY GRADE.
- SIDEWALK AND WHEELCHAIR RAMPS MUST COMPLY WITH GDOT STANDARD A-3.
- THIS PERMIT DOES NOT AUTHORIZE ANY WORK ON UTILITIES.
- MINIMUM BASE AND PAVING FOR RESIDENTIAL DRIVES:

ASPHALT - RECYCLED ASPHALT CONCRETE 9.5 MM TYPE II SUPERPAVE (135 LB/SY) OR 12.5 MM SUPERPAVE (165 LB/SY)
GRADED AGGREGATE BASE, 6" THICK
CONCRETE - DRIVEWAY CONCRETE, 6" THICK

15. MINIMUM BASE AND PAVING FOR COMMERCIAL DRIVES:
ASPHALT - RECYCLED ASPHALT CONCRETE 9.5 MM TYPE II SUPERPAVE (135 LB/SY) OR 12.5 MM SUPERPAVE (165 LB/SY)
19 MM SUPERPAVE (220 LB/SY)
GRADED AGGREGATE BASE, 6" THICK
CONCRETE - DRIVEWAY CONCRETE, 8" THICK

16. DRIVEWAY MUST HAVE A MINIMUM OF 6 FT GRASS SHOULDERS WITH 6:1 SIDE SLOPES.

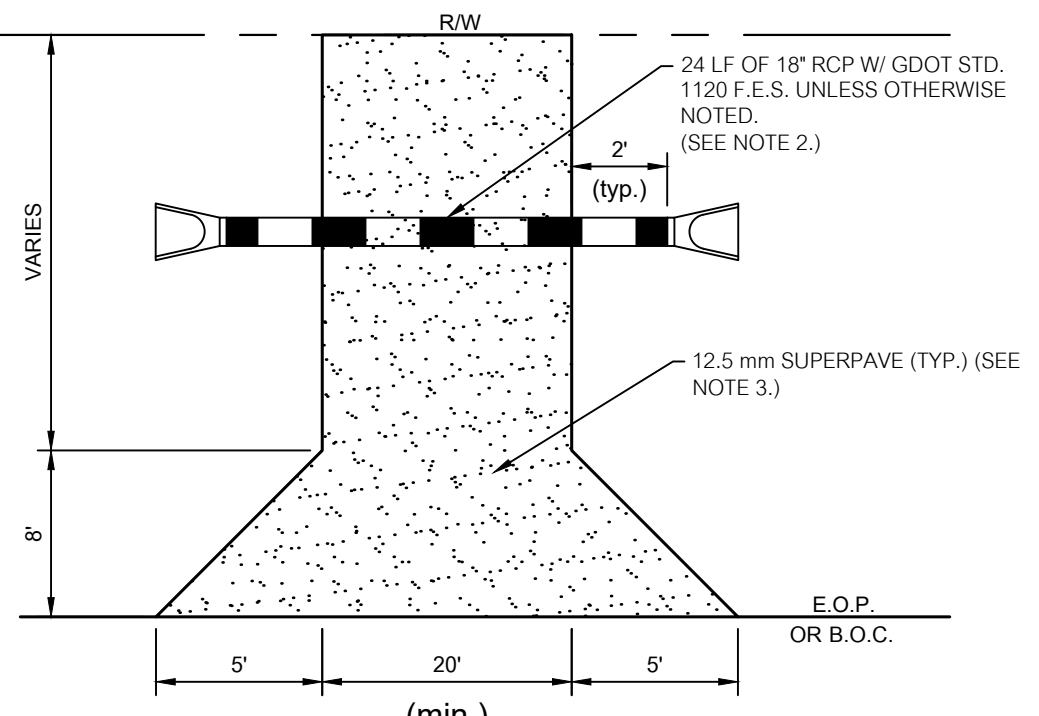
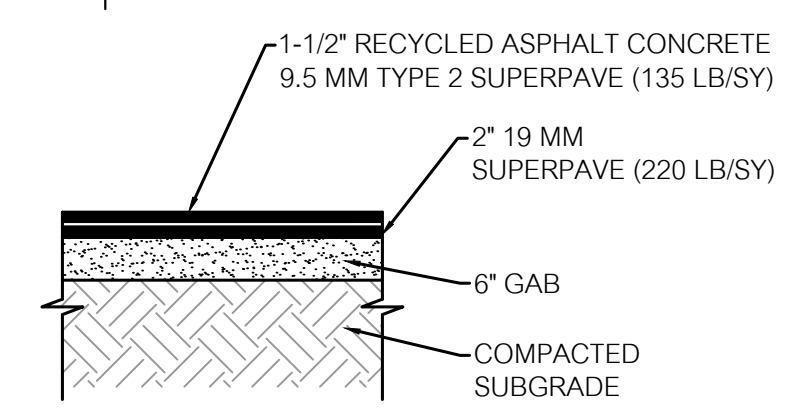
17. ALL CURB AND GUTTER ON GDOT RIGHT-OF-WAY MUST COMPLY WITH STANDARD 9032B.

18. ALL PAVEMENT MARKINGS INSTALLED ON ASPHALT WITHIN GDOT RIGHT-OF-WAY SHALL BE THERMOPLASTIC MATERIAL. HIGH CONTRAST TPE SHALL BE INSTALLED ON CONCRETE.

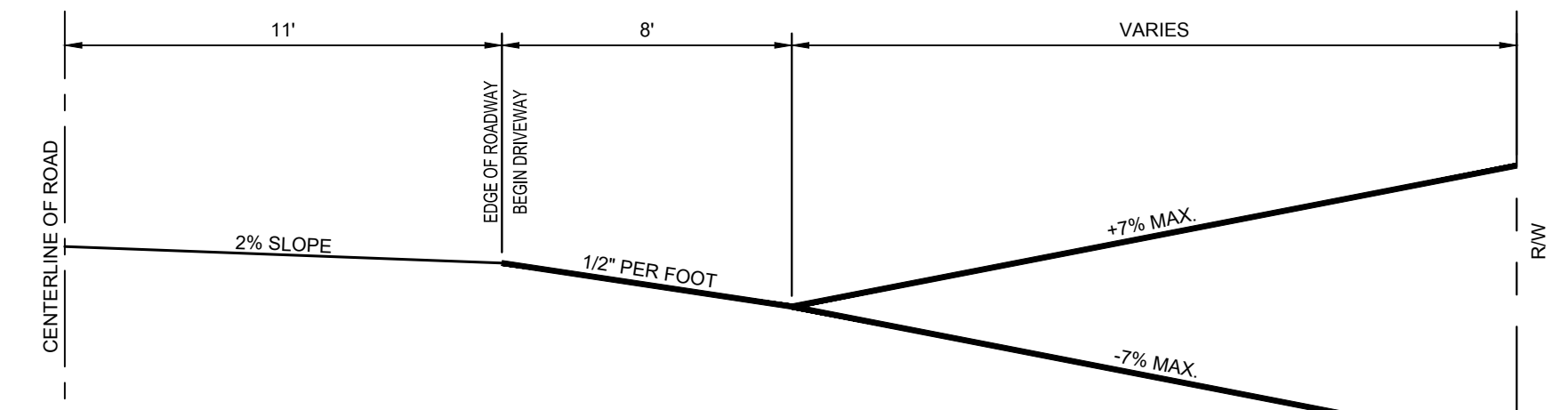
19. NO UTILITIES ARE ALLOWED UNDER DECELERATION LANES. IF UTILITIES ARE EXISTING, THE PERMITEE IS RESPONSIBLE FOR RELOCATION.

20. DETECTABLE WARNING SURFACES ARE REQUIRED ON ALL INTERSECTIONS WITH PUBLIC STREETS, SIGNALIZED COMMERCIAL DRIVEWAYS AND COMMERCIAL DRIVEWAYS WITH AN ANNUAL DAILY TRAFFIC OF 25 VEHICLES PER DAY.

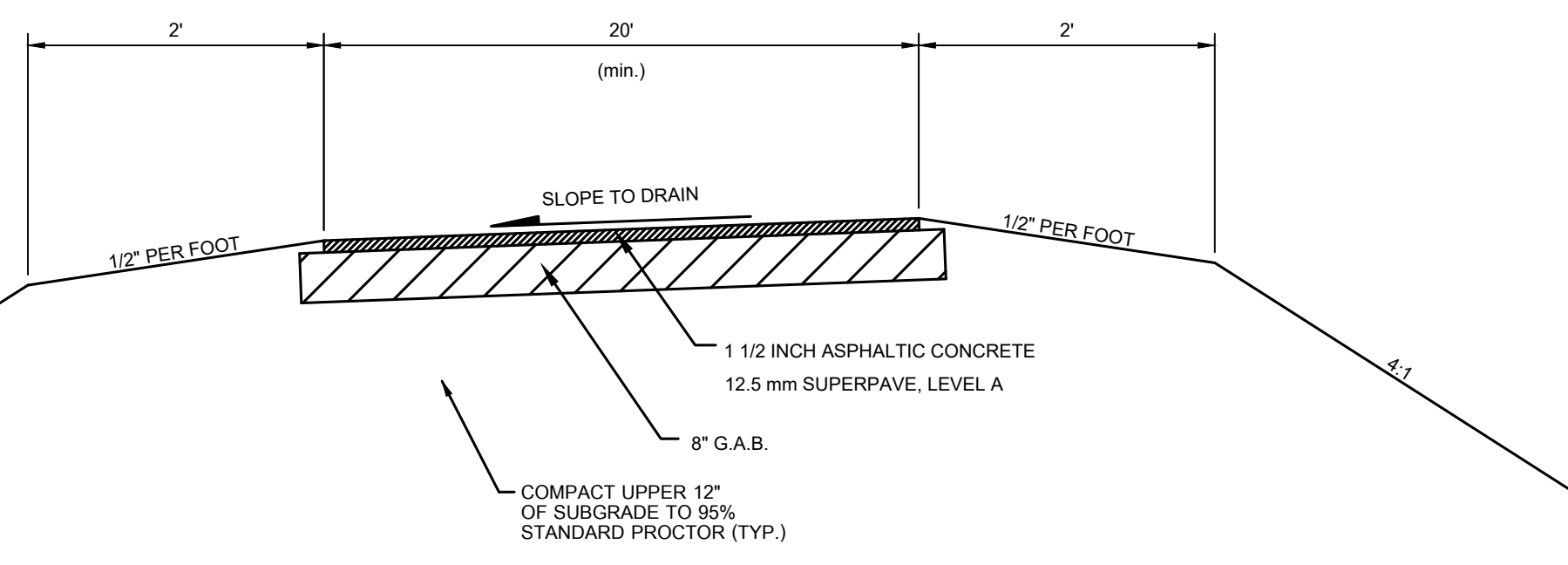
ENTRANCE DRIVEWAY PAVING SECTION (WITHIN GDOT R/W)



TYPICAL DRIVEWAY PLAN
N.T.S.



TYPICAL DRIVEWAY PROFILE
N.T.S.



TYPICAL DRIVEWAY SECTION
N.T.S.

NOTE: CROSS-SLOPE OF DRIVEWAY SHALL BE IN THE SAME DIRECTION AS DITCH SLOPE.

- REMOVE & REPLACE EXISTING DRIVEWAY PIPES WITH PROPOSED RCP AS SHOWN.
- SLOPE PROPOSED PIPE TO MATCH DITCH FLOW LINE. NO PIPE WHEN CURB & GUTTER IS USED.
- SAWCUT EXISTING CONCRETE OR ASPHALT DRIVEWAYS AT RW. INSTALL NEW DRIVEWAY TO RW. TAPER TO MATCH EXISTING WIDTH.
- DRIVEWAY LOCATIONS SHOWN ON PLANS ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY ALL DRIVEWAY LOCATIONS WITH PROPERTY OWNERS.
- ALL EXISTING IMPROVED DRIVEWAYS SHALL BE REBUILT WITH SIMILAR MATERIALS AND SHALL MATCH EXISTING CONDITIONS WHERE POSSIBLE.



REVISIONS	
DATE	REVISIONS PER COUNTY COMMENTS
06/24/2022	REVISIONS PER COUNTY COMMENTS
06/29/2022	REVISIONS PER COUNTY COMMENTS
07/06/2022	REVISIONS PER COUNTY COMMENTS
07/14/2022	REVISIONS PER COUNTY COMMENTS

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BRIGGSTON ROAD
PAVING IMPROVEMENTS
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L.L. 20, 21, 24, 25, & 26 OF THE 16TH L.D.
& L.L. 70 & 71 OF THE 11TH L.D.

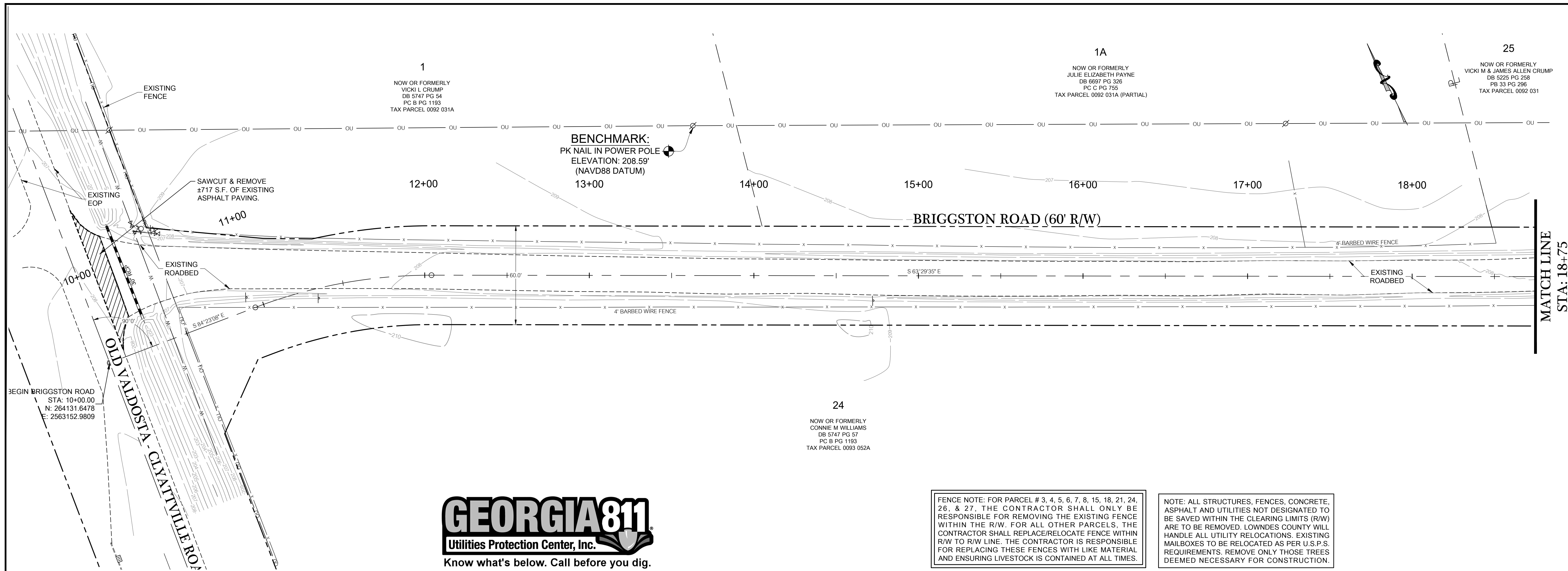
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2214 N. Patterson Street, Valdosta, GA 31602



DATE: 09/14/2022
DRAWN BY: M. WILSON
CHECKED BY: B. KENT

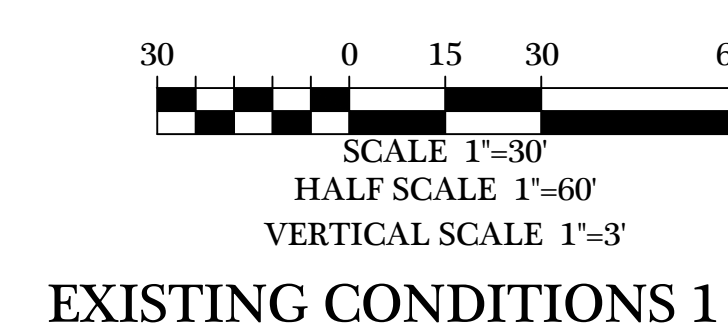
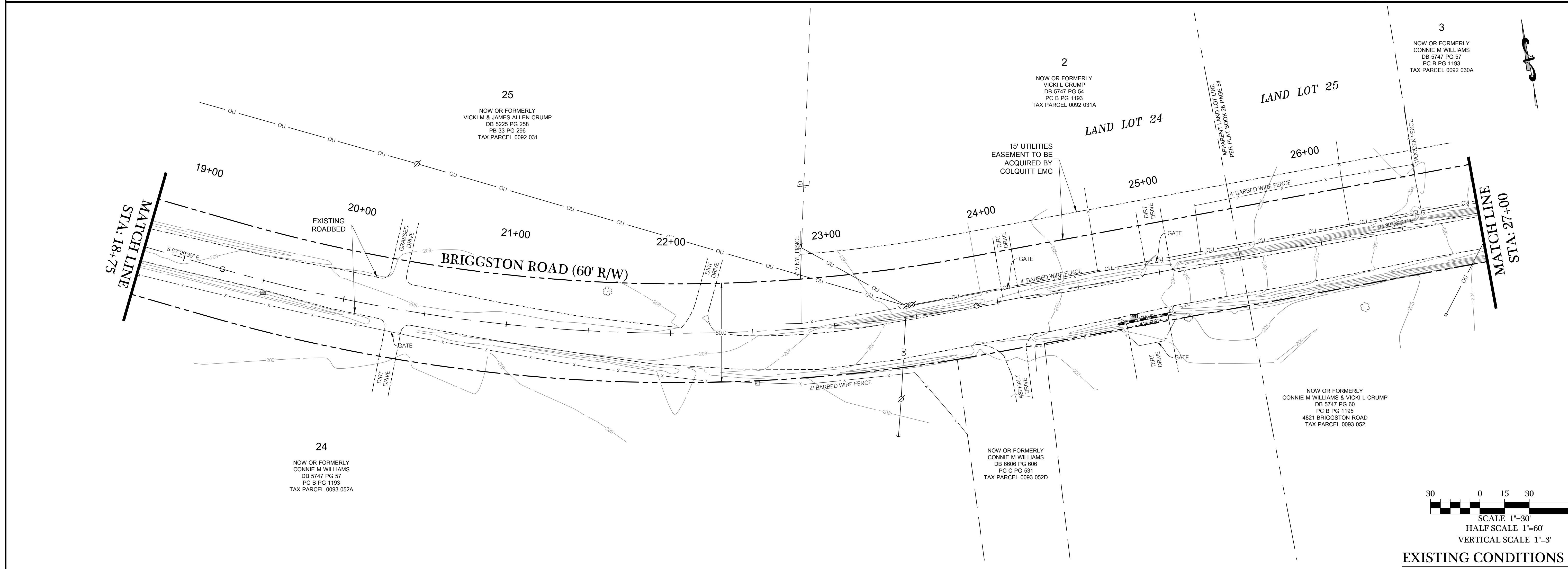
SHEET
1 OF 47

PROJECT NUMBER
1669



FENCE NOTE: FOR PARCEL # 3, 4, 5, 6, 7, 8, 15, 18, 21, 24, 26, & 27. THE CONTRACTOR SHALL ONLY BE RESPONSIBLE FOR REMOVING THE EXISTING FENCE WITHIN THE R/W. FOR ALL OTHER PARCELS, THE CONTRACTOR SHALL REPLACE/RELOCATE FENCE WITHIN R/W TO R/W LINE. THE CONTRACTOR IS RESPONSIBLE FOR REPLACING THESE FENCES WITH LIKE MATERIAL AND ENSURING LIVESTOCK IS CONTAINED AT ALL TIMES.

NOTE: ALL STRUCTURES, FENCES, CONCRETE, ASPHALT AND UTILITIES NOT DESIGNATED TO BE SAVED WITHIN THE CLEARING LIMITS (R/W) ARE TO BE REMOVED. LOWNDES COUNTY WILL HANDLE ALL UTILITY RELOCATIONS. EXISTING MAILBOXES TO BE RELOCATED AS PER U.S.P.S. REQUIREMENTS. REMOVE ONLY THOSE TREES DEEMED NECESSARY FOR CONSTRUCTION.



DATE	REVISIONS
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06/29/2022	REVISIONS PER COUNTY COMMENTS
07/01/2022	REVISIONS PER COUNTY COMMENTS
07/14/2022	REVISIONS PER COUNTY COMMENTS

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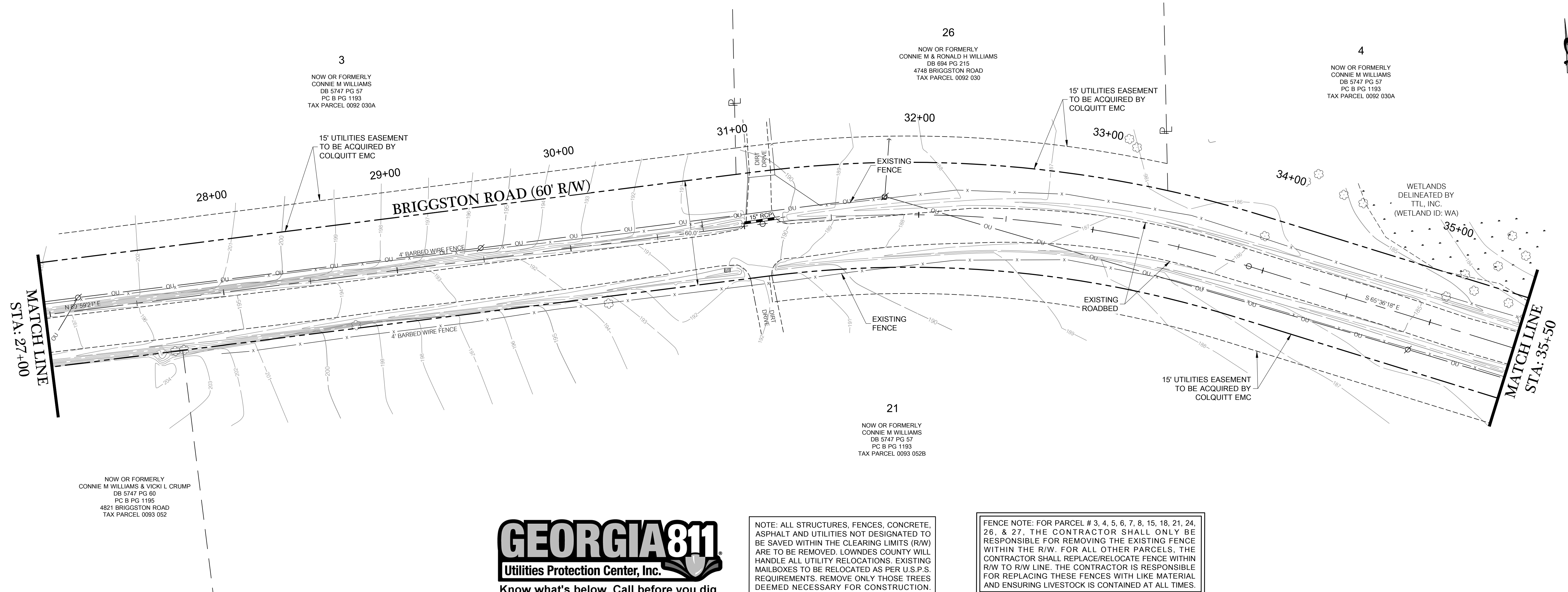
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DATE: 09/14/2022
 DRAWN BY: M. WILSON
 CHECKED BY: B. KENT

SHEET 2 OF 47
 PROJECT NUMBER 1669

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NOW OR FORMERLY
CONNIE M WILLIAMS & VICKI L CRUMP
DB 5747 PG 60
PC B PG 1195
4821 BRIGGSTON ROAD
TAX PARCEL 0093 052

3
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CONNIE M WILLIAMS
DB 5747 PG 57
PC B PG 1193
TAX PARCEL 0092 030A

26
NOW OR FORMERLY
CONNIE M & RONALD H WILLIAMS
DB 694 PG 215
4748 BRIGGSTON ROAD
TAX PARCEL 0092 030

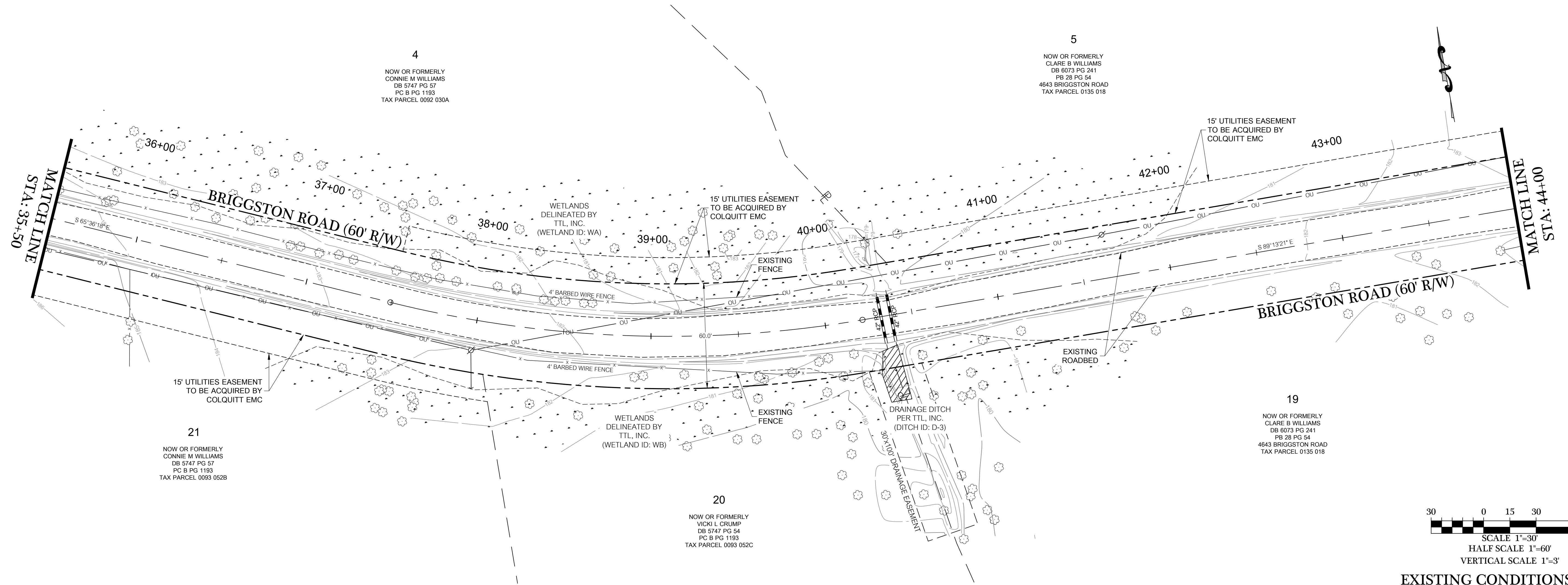
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TAX PARCEL 0093 052B



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FENCE NOTE: FOR PARCEL # 3, 4, 5, 6, 7, 8, 15, 18, 21, 24, 26, & 27, THE CONTRACTOR SHALL ONLY BE RESPONSIBLE FOR REMOVING THE EXISTING FENCE WITHIN THE R/W. FOR ALL OTHER PARCELS, THE CONTRACTOR SHALL REPLACE/RELOCATE FENCE WITHIN R/W TO R/W LINE. THE CONTRACTOR IS RESPONSIBLE FOR REPLACING THESE FENCES WITH LIKE MATERIAL AND ENSURING LIVESTOCK IS CONTAINED AT ALL TIMES.



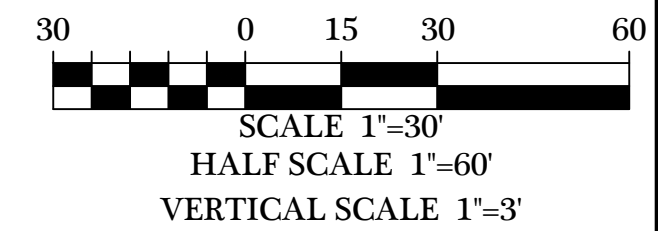
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PC B PG 1193
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VICKI L CRUMP
DB 5747 PG 54
PC B PG 1193
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5
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DB 6073 PG 241
PB 28 PG 54
4643 BRIGGSTON ROAD
TAX PARCEL 0135 018

19
NOW OR FORMERLY
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PB 28 PG 54
4643 BRIGGSTON ROAD
TAX PARCEL 0135 018



EXISTING CONDITIONS 2

DATE	REVISIONS PER COUNTY COMMENTS
06/24/2023	REVISIONS PER COUNTY COMMENTS
06/29/2023	REVISIONS PER COUNTY COMMENTS
07/02/2023	REVISIONS PER COUNTY COMMENTS
07/12/2023	REVISIONS PER COUNTY COMMENTS

**BRIGGSTON ROAD
PAVING IMPROVEMENTS**
LOWNDEN COUNTY, GEORGIA
L.L. 20, 21, 24, 25, & 26 OF THE 16TH L.D.
& L.L. 70 & 71 OF THE 11TH L.D.

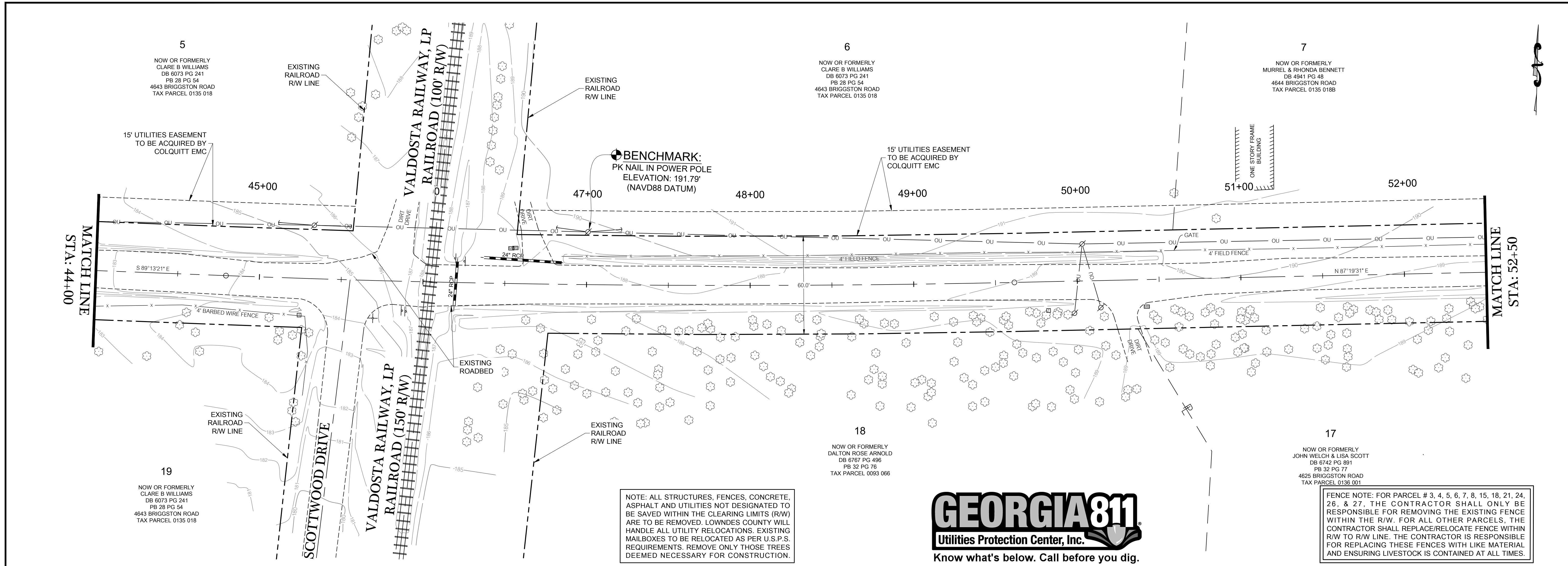
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2214 N. Patterson Street, Valdosta, GA 31602



DATE:
09/14/2022
DRAWN BY:
M. WILSON
CHECKED BY:
B. KENT

SHEET
3 OF 47

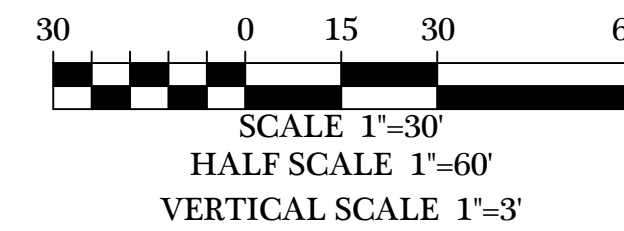
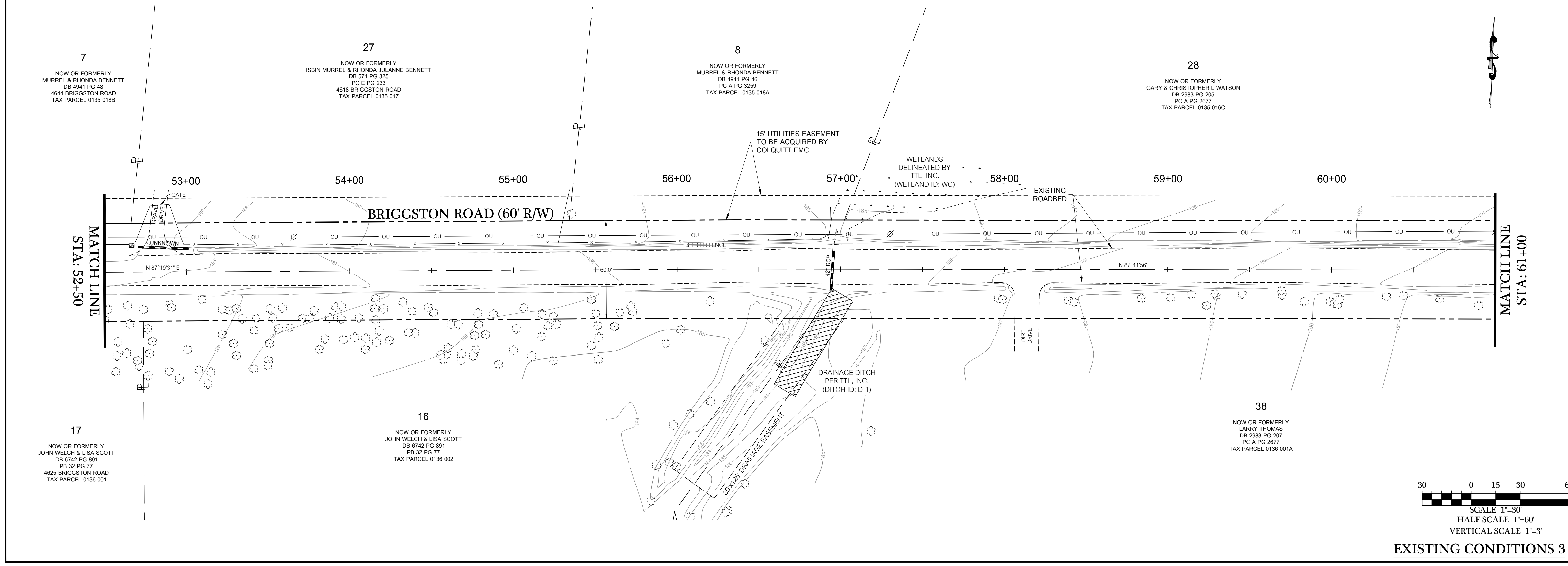
PROJECT NUMBER
1669



NOTE: ALL STRUCTURES, FENCES, CONCRETE, ASPHALT AND UTILITIES NOT DESIGNATED TO BE SAVED WITHIN THE CLEARING LIMITS (R/W) ARE TO BE REMOVED. LOWNDES COUNTY WILL HANDLE ALL UTILITY RELOCATIONS. EXISTING MAILBOXES TO BE RELOCATED AS PER U.S.P.S. REQUIREMENTS. REMOVE ONLY THOSE TREES DEEMED NECESSARY FOR CONSTRUCTION.



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EXISTING CONDITIONS 3

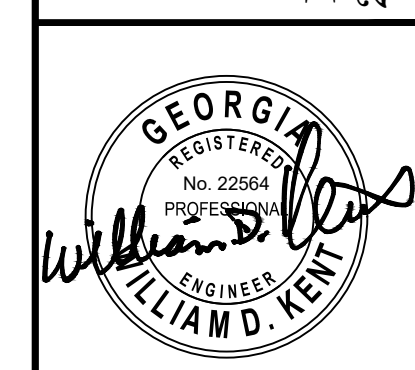
DATE	REVISIONS PER COUNTY COMMENTS
06/24/2023	REVISIONS PER COUNTY COMMENTS
06/29/2023	REVISIONS PER COUNTY COMMENTS
07/03/2023	REVISIONS PER COUNTY COMMENTS
07/12/2023	REVISIONS PER COUNTY COMMENTS

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LOWNDES COUNTY, GEORGIA
L.L. 20, 21, 24, 25, & 26 OF THE 16TH L.D.
& L.L. 70 & 71 OF THE 11TH L.D.

DATE: 09/14/2022
DRAWN BY: M. WILSON
CHECKED BY: B. KENT

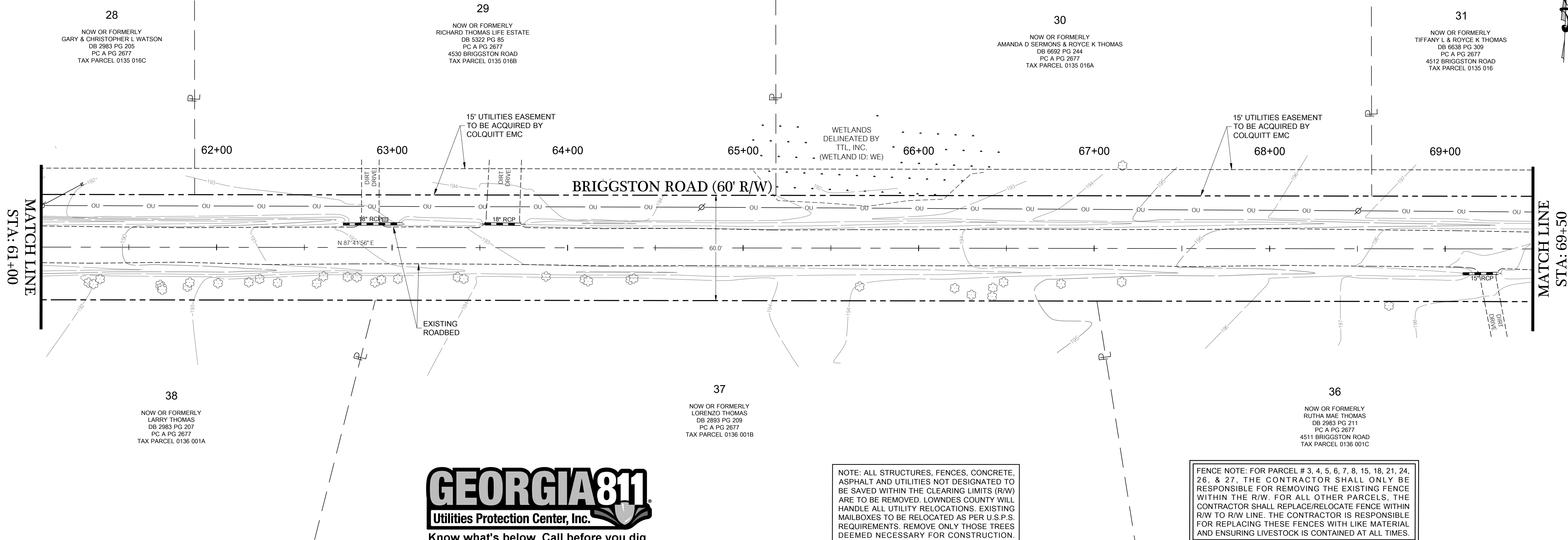
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DRAWN BY: M. WILSON
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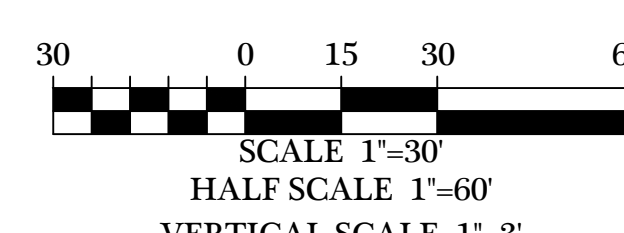
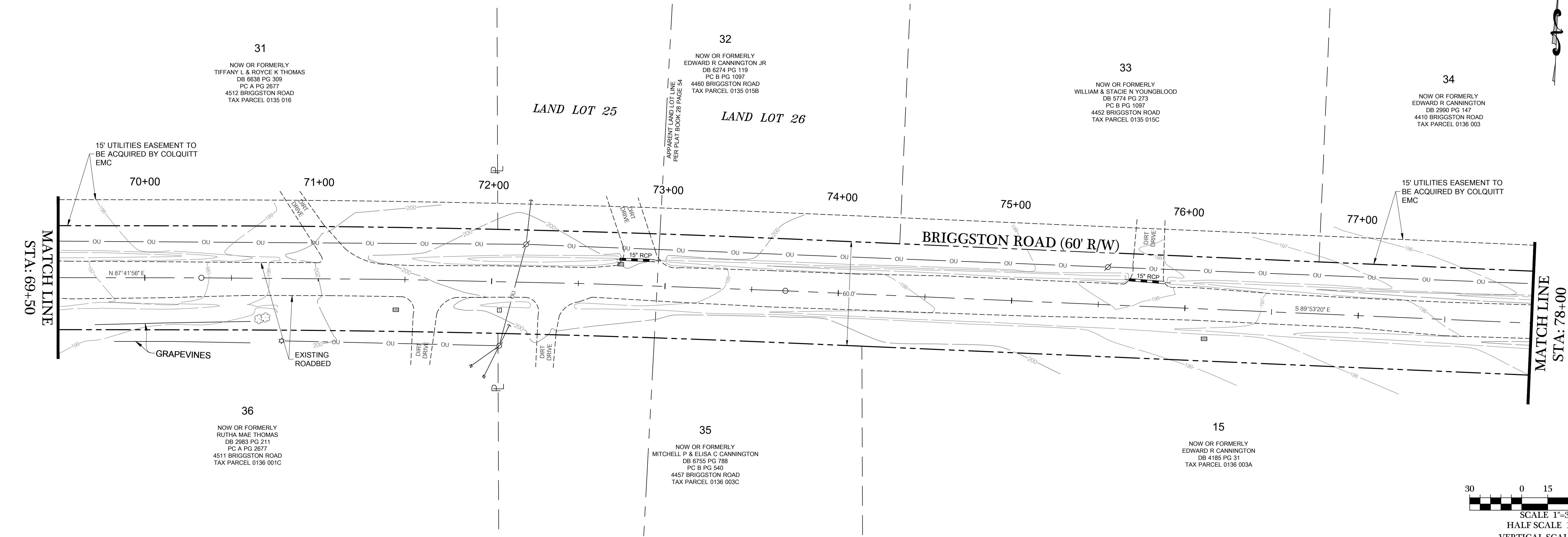
SHEET
4 OF 47
PROJECT NUMBER
1669

I:\Projects\1669-LCE Briggston Road Paving Project\Civil\Briggston Road 100% Plans\1669003-Rd.dwg - 7/14/2023 8:44 AM



NOTE: ALL STRUCTURES, FENCES, CONCRETE, ASPHALT AND UTILITIES NOT DESIGNATED TO BE SAVED WITHIN THE CLEARING LIMITS (R/W) ARE TO BE REMOVED. LOWNDEN COUNTY WILL HANDLE ALL UTILITY RELOCATIONS. EXISTING MAILBOXES TO BE RELOCATED AS PER U.S.P.S. REQUIREMENTS. REMOVE ONLY THOSE TREES DEEMED NECESSARY FOR CONSTRUCTION.

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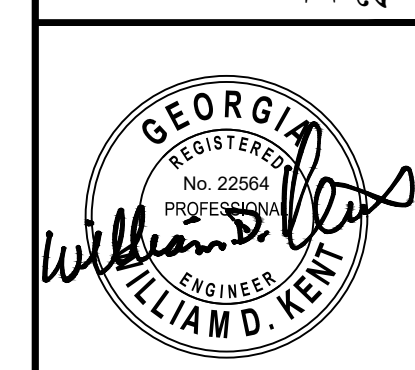
EXISTING CONDITIONS 4

DATE	REVISIONS
06/24/2023	REVISIONS PER COUNTY COMMENTS
06/29/2023	REVISIONS PER COUNTY COMMENTS
07/03/2023	REVISIONS PER COUNTY COMMENTS
07/12/2023	REVISIONS PER COUNTY COMMENTS
07/14/2023	REVISIONS PER COUNTY COMMENTS

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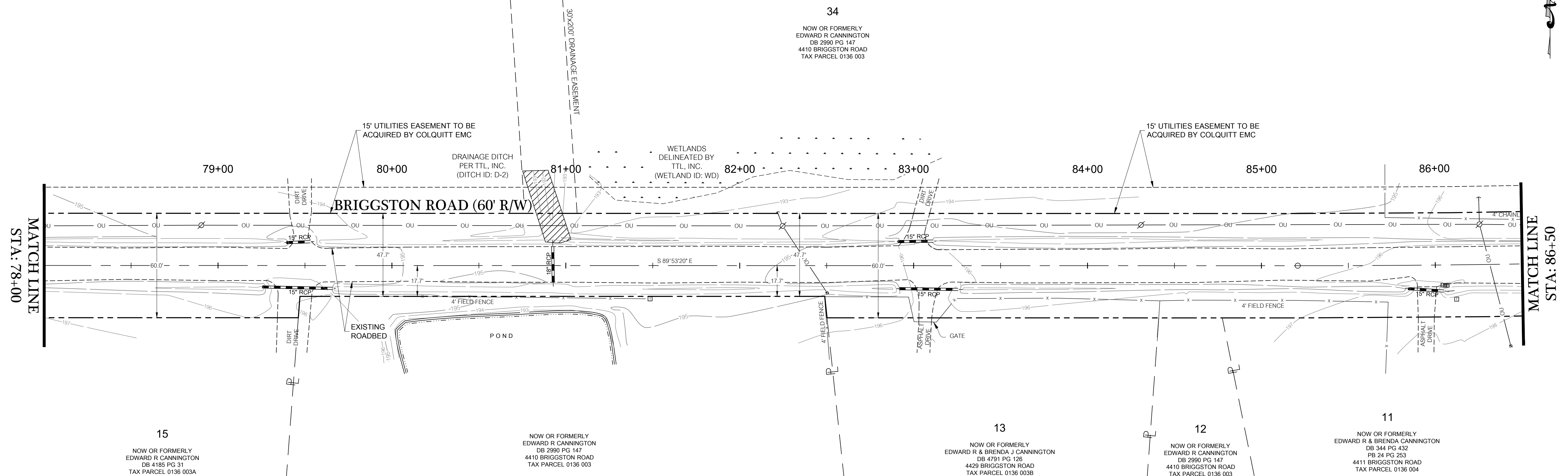
BRIGGSTON ROAD PAVING IMPROVEMENTS
LOWNDEN COUNTY, GEORGIA
L.L. 20, 21, 24, 25, & 26 OF THE 16TH L.D. & L.L. 70 & 71 OF THE 11TH L.D.

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DATE: 09/14/2022
DRAWN BY: M. WILSON
CHECKED BY: B. KENT

SHEET 5 OF 47
PROJECT NUMBER 1669



MATCH LINE
STA: 78+00

MATCH LINE
STA: 86+50

15
NOW OR FORMERLY
EDWARD R CANNINGTON
DB 4185 PG 31
TAX PARCEL 0136 003A

NOW OR FORMERLY
EDWARD R CANNINGTON
DB 2990 PG 147
4410 BRIGGESTON ROAD
TAX PARCEL 0136 003

13
NOW OR FORMERLY
EDWARD R & BRENDA J CANNINGTON
DB 4791 PG 126
4429 BRIGGESTON ROAD
TAX PARCEL 0136 003B

12
NOW OR FORMERLY
EDWARD R CANNINGTON
DB 2990 PG 147
4410 BRIGGESTON ROAD
TAX PARCEL 0136 003

11
NOW OR FORMERLY
EDWARD R & BRENDA CANNINGTON
DB 344 PG 432
PB 24 PG 263
4411 BRIGGESTON ROAD
TAX PARCEL 0136 004



NOTE: ALL STRUCTURES, FENCES, CONCRETE, ASPHALT AND UTILITIES NOT DESIGNATED TO BE SAVED WITHIN THE CLEARING LIMITS (R/W) ARE TO BE REMOVED. LOWNDEN COUNTY WILL HANDLE ALL UTILITY RELOCATIONS. EXISTING MAILBOXES TO BE RELOCATED AS PER U.S.P.S. REQUIREMENTS. REMOVE ONLY THOSE TREES DEEMED NECESSARY FOR CONSTRUCTION.

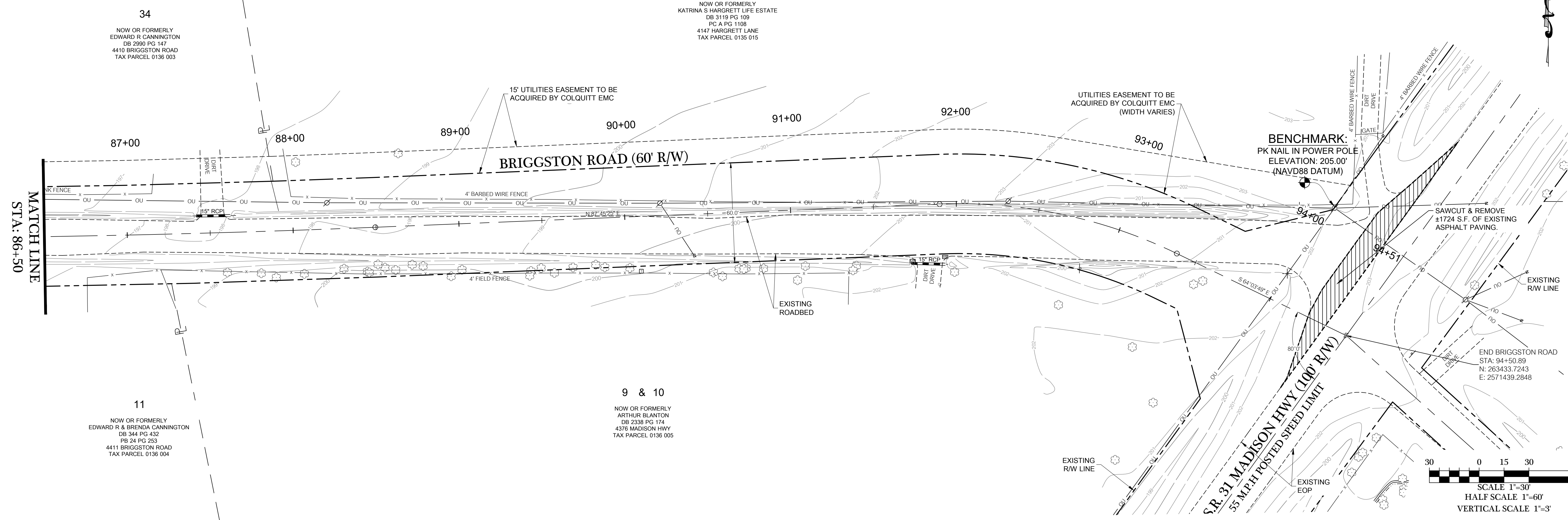
FENCE NOTE: FOR PARCEL # 3, 4, 5, 6, 7, 8, 15, 18, 21, 24, 26, & 27, THE CONTRACTOR SHALL ONLY BE RESPONSIBLE FOR REMOVING THE EXISTING FENCE WITHIN THE R/W. FOR ALL OTHER PARCELS, THE CONTRACTOR SHALL REPLACE/RELOCATE FENCE WITHIN R/W TO R/W LINE. THE CONTRACTOR IS RESPONSIBLE FOR REPLACING THESE FENCES WITH LIKE MATERIAL AND ENSURING LIVESTOCK IS CONTAINED AT ALL TIMES.

DATE	REVISIONS PER COUNTY COMMENTS
06/24/2023	REVISIONS PER COUNTY COMMENTS
06/29/2023	REVISIONS PER COUNTY COMMENTS
07/05/2023	REVISIONS PER COUNTY COMMENTS
07/12/2023	REVISIONS PER COUNTY COMMENTS

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**BRIGGESTON ROAD
PAVING IMPROVEMENTS**
LOWNDEN COUNTY, GEORGIA
L.L. 20, 21, 24, 25, & 26 OF THE 16TH L.D.
& L.L. 70 & 71 OF THE 11TH L.D.



MATCH LINE
STA: 86+50

MATCH LINE
STA: 94+50

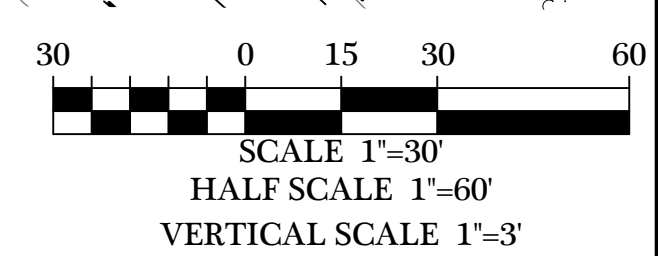
11
NOW OR FORMERLY
EDWARD R & BRENDA CANNINGTON
DB 344 PG 432
PB 24 PG 263
4411 BRIGGESTON ROAD
TAX PARCEL 0136 004

9 & 10
NOW OR FORMERLY
ARTHUR BLANTON
DB 2338 PG 174
4378 MADISON HWY
TAX PARCEL 0136 005

BENCHMARK:
PK NAIL IN POWER POLE
ELEVATION: 205.00'
(NAVD88 DATUM)

SAWCUT & REMOVE
±1724 S.F. OF EXISTING
ASPHALT PAVING.

END BRIGGESTON ROAD
STA: 94+50.89
N: 263433.7243
E: 2571439.2848



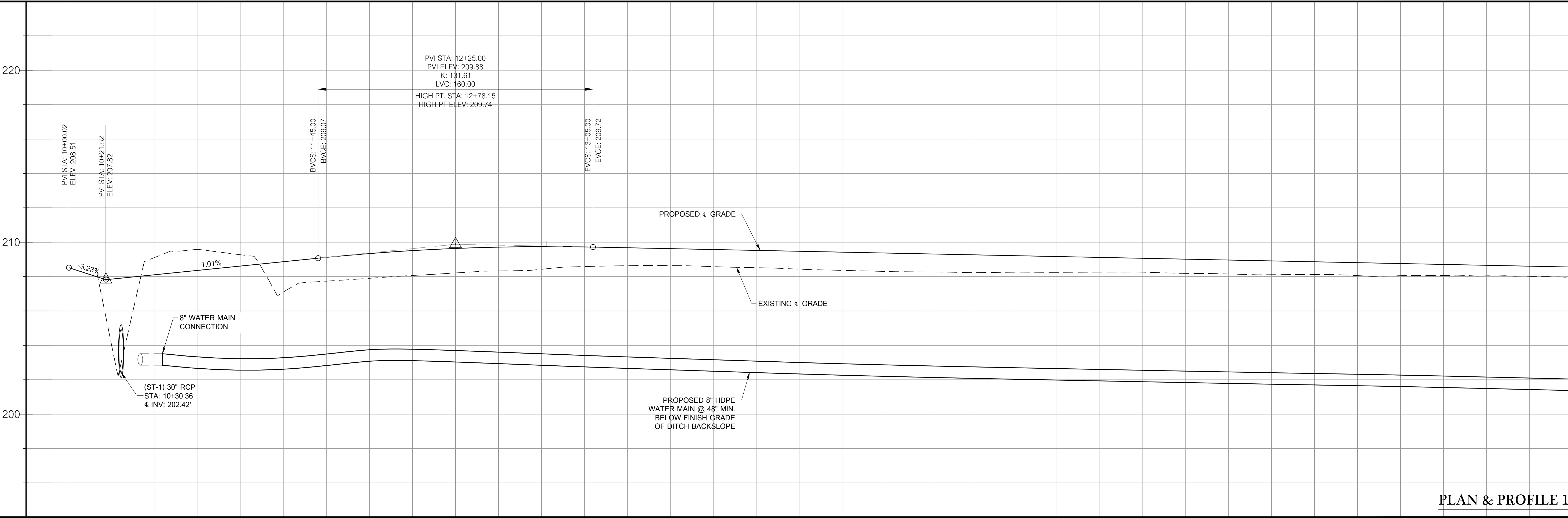
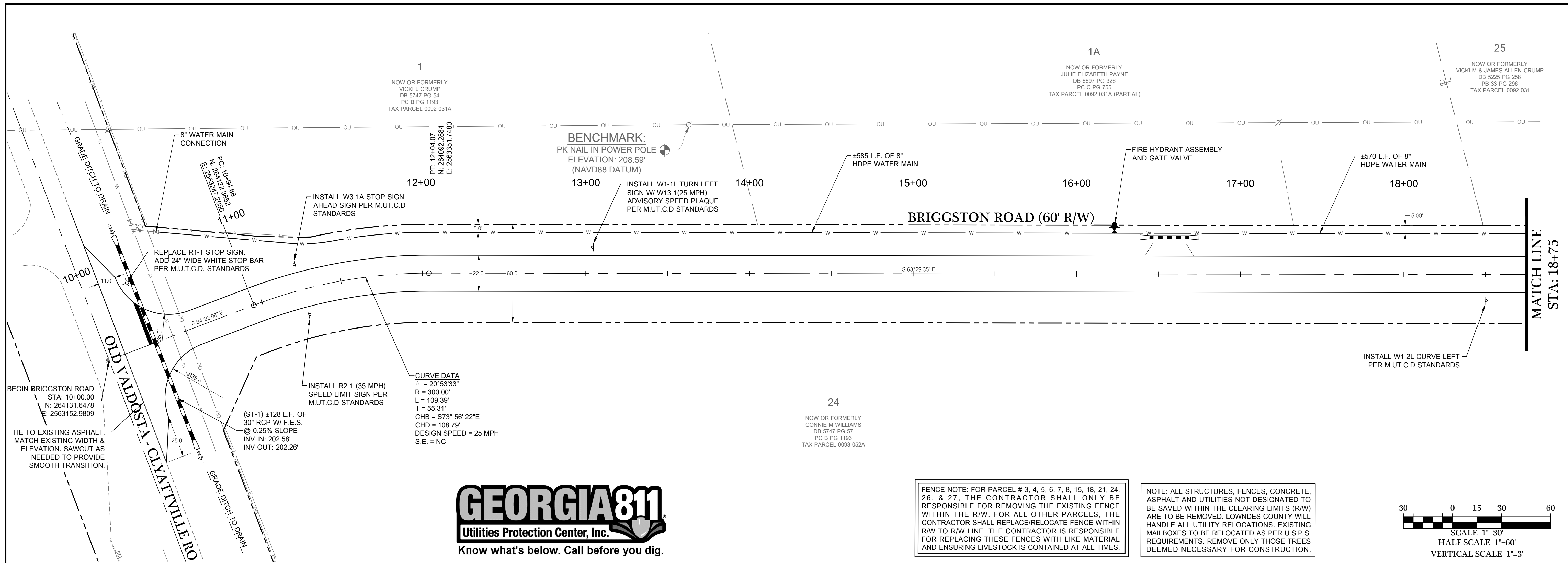
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2214 N. Patterson Street, Valdosta, GA 31602



DATE:
09/14/2022
DRAWN BY:
M. WILSON
CHECKED BY:
B. KENT

SHEET
6 OF 47
PROJECT NUMBER
1669

EXISTING CONDITIONS 5



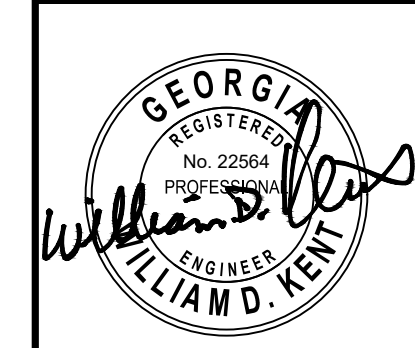
PLAN & PROFILE 1

DATE	REVISIONS
06/24/2023	REVISIONS PER COUNTY COMMENTS
06/29/2023	REVISIONS PER COUNTY COMMENTS
07/04/2023	REVISIONS PER COUNTY COMMENTS
07/12/2023	REVISIONS PER COUNTY COMMENTS

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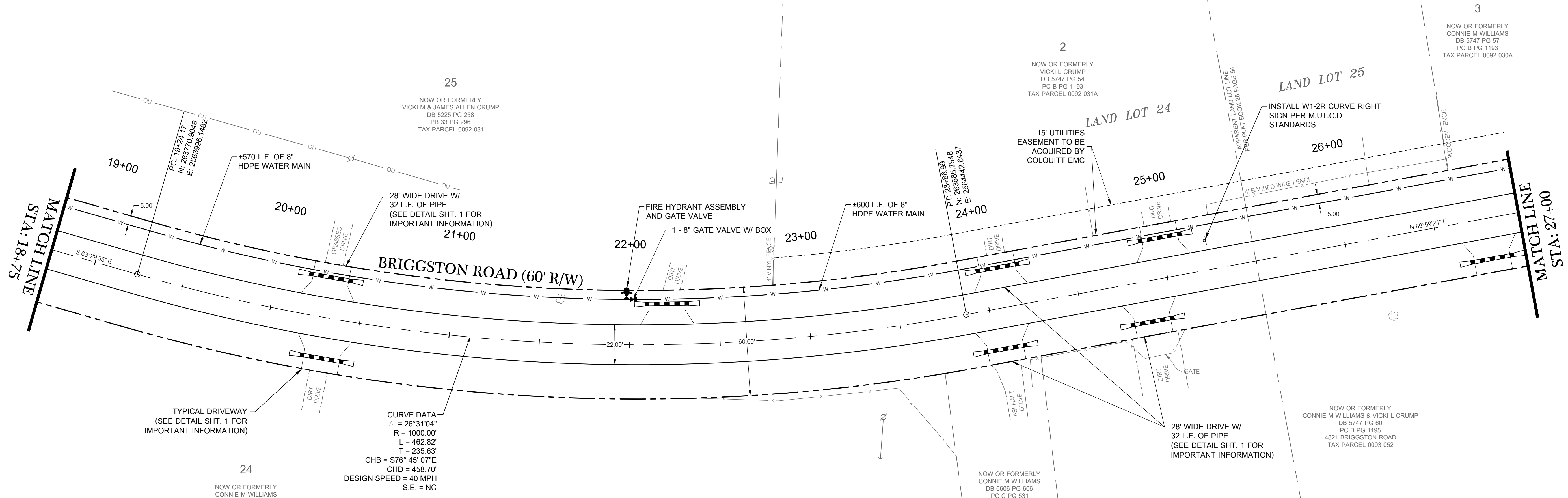
BRIGGSTON ROAD PAVING IMPROVEMENTS
LOWNDEN COUNTY, GEORGIA
L.L. 20, 21, 24, 25, & 26 OF THE 16TH L.D.
& L.L. 70 & 71 OF THE 11TH L.D.

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2214 N. Patterson Street, Valdosta, GA 31602



DATE: 09/14/2022
DRAWN BY: M. WILSON
CHECKED BY: B. KENT

208.51	209.27	208.07	208.58	208.52	208.27	208.26	208.11	208.11	208.06
10+00	11+00	12+00	13+00	14+00	15+00	16+00	17+00	17+00	18+00



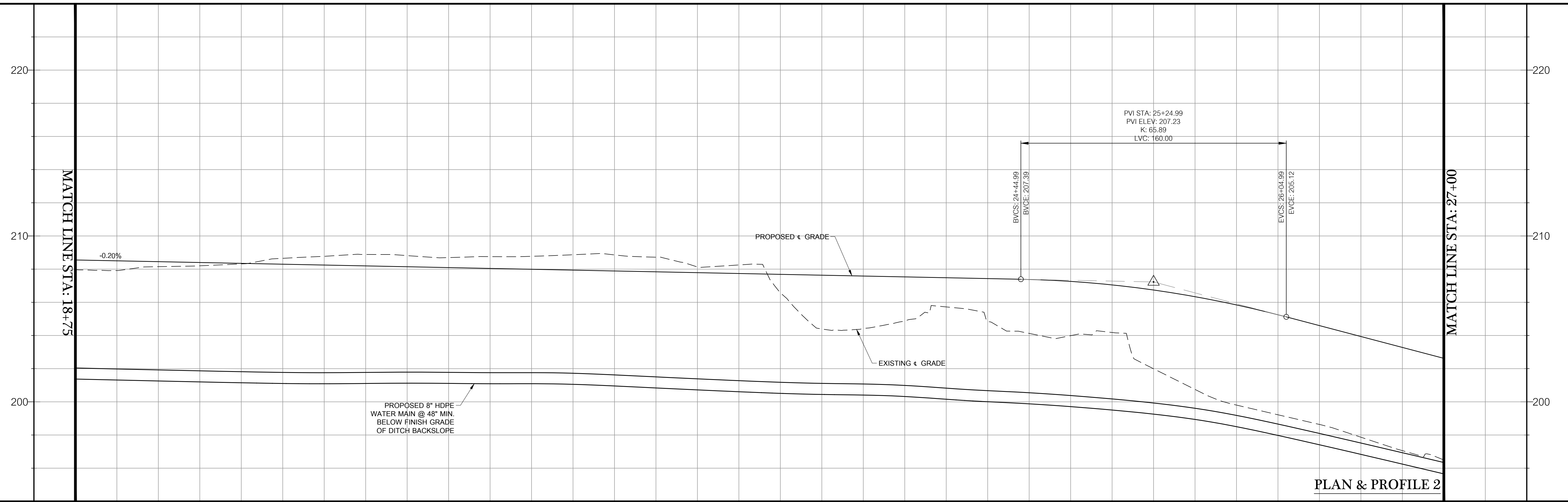
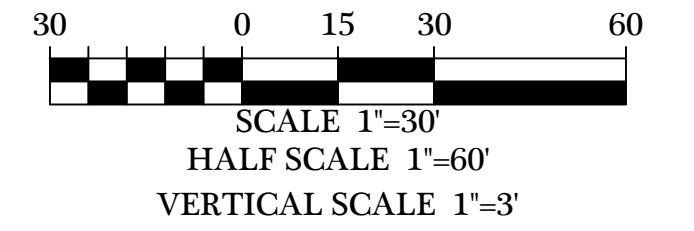
TYPICAL DRIVEWAY
(SEE DETAIL SHT. 1 FOR
IMPORTANT INFORMATION)

CURVE DATA
 $\Delta = 28^{\circ}31'04''$
 $R = 1000.00'$
 $L = 462.82'$
 $T = 235.63'$
 $CHB = S76^{\circ}45'07''E$
 $CHD = 458.70'$
 $DESIGN SPEED = 40 MPH$
 $S.E. = NC$



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PLAN & PROFILE 2

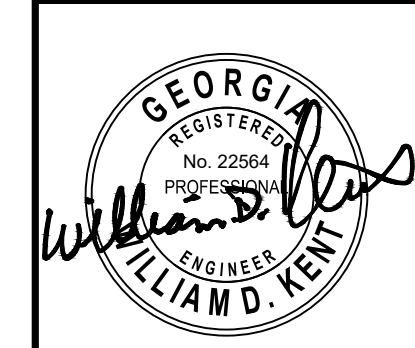
207.81 208.50	208.65 208.30	208.70 208.09	208.86 207.69	208.58 207.69	205.72 207.48	204.18 207.05	199.22 205.25	196.50 202.62
19+00	20+00	21+00	22+00	23+00	24+00	25+00	26+00	27+00

DATE	REVISIONS
02/24/2023	REVISIONS PER COUNTY COMMENTS
03/09/2023	REVISIONS PER COUNTY COMMENTS
03/16/2023	REVISIONS PER COUNTY COMMENTS
07/14/2023	REVISIONS PER COUNTY COMMENTS

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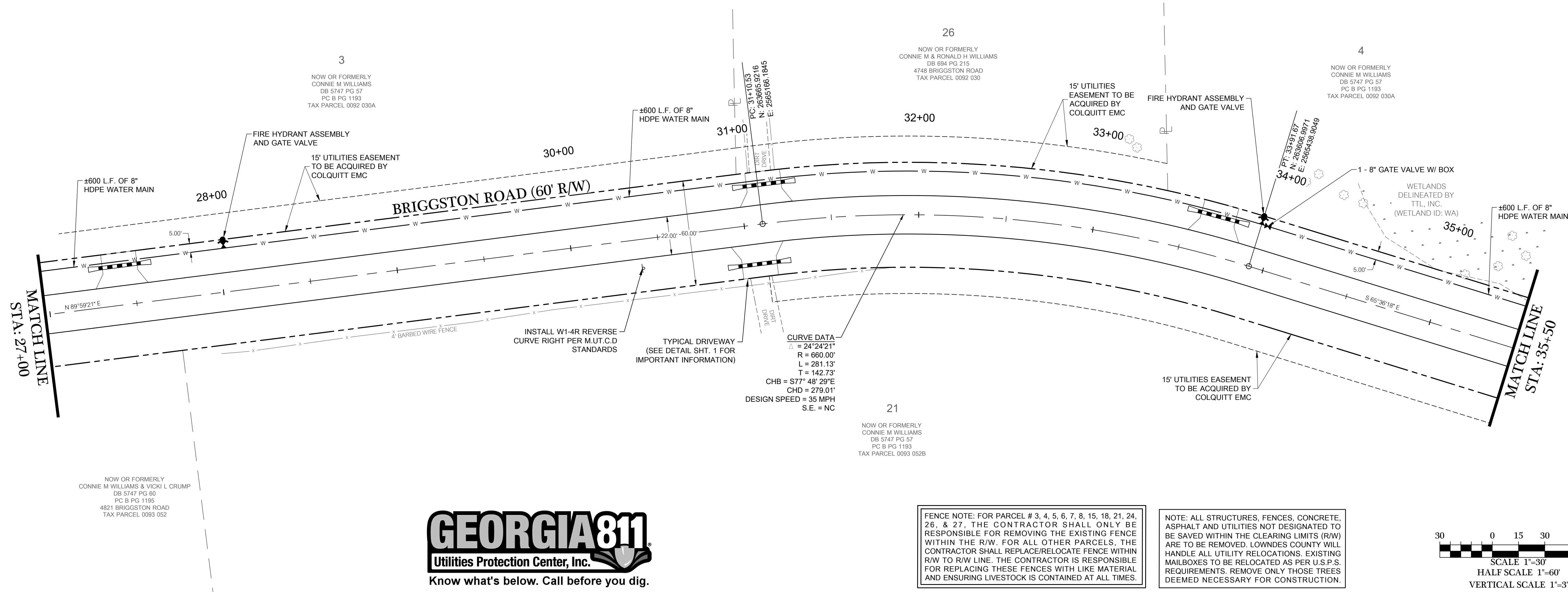
**BRIGGSTON ROAD
 PAVING IMPROVEMENTS**
 LOWNDEN COUNTY, GEORGIA
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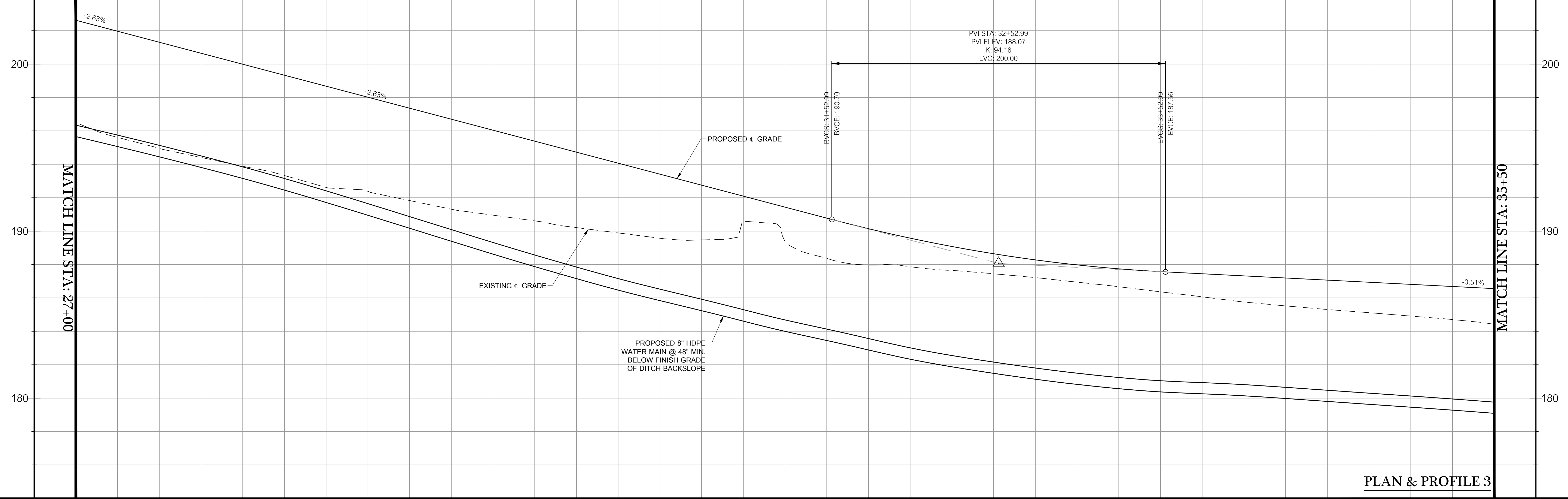
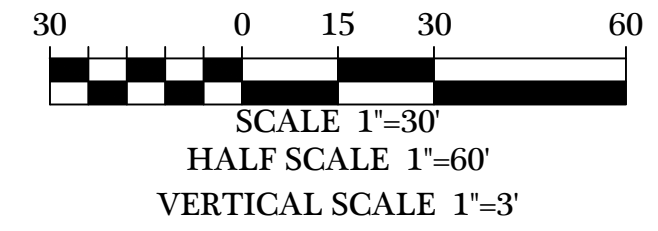
DATE: 09/14/2022
 DRAWN BY: M. WILSON
 CHECKED BY: B. KENT

I:\Projects\1669-LCE Briggston Road Paving Project\Civil\Briggston Road 100% Plans\1669008-Rd.dwg - 7/14/2023 8:44 AM



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PLAN & PROFILE 3

186.50 202.52	193.88 199.59	197.83 197.36	190.21 194.73	190.00 192.09	187.87 189.58	186.84 187.88	185.75 187.32	184.91 186.81
27+00	28+00	29+00	30+00	31+00	32+00	33+00	34+00	35+00

DATE	REVISIONS PER COUNTY COMMENTS
02/24/2023	REVISIONS PER COUNTY COMMENTS
03/09/2023	REVISIONS PER COUNTY COMMENTS
03/16/2023	REVISIONS PER COUNTY COMMENTS
07/14/2023	REVISIONS PER COUNTY COMMENTS

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DATE: 09/14/2022
 DRAWN BY: M. WILSON
 CHECKED BY: B. KENT

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MATCH LINE
STA: 35+50

MATCH LINE
STA: 44+00

BRIGGSTON ROAD (60' R/W)

BRIGGSTON ROAD (60' R/W)

21
NOW OR FORMERLY
CONNIE M WILLIAMS
DB 5747 PG 57
PG B PG 1193
TAX PARCEL 0093 0528

4
NOW OR FORMERLY
CONNIE M WILLIAMS
DB 5747 PG 57
PG B PG 1193
TAX PARCEL 0092 030A

20
NOW OR FORMERLY
VICKI L CRUMP
DB 5747 PG 54
PG B PG 1193
TAX PARCEL 0093 052C

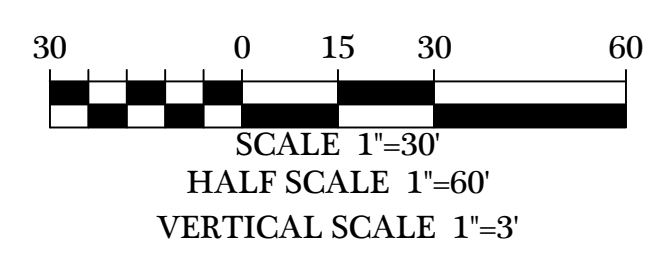
5
NOW OR FORMERLY
CLARE B WILLIAMS
DB 6073 PG 241
PB 28 PG 54
4643 BRIGGSTON ROAD
TAX PARCEL 0135 018

19
NOW OR FORMERLY
CLARE B WILLIAMS
DB 6073 PG 241
PB 28 PG 54
4643 BRIGGSTON ROAD
TAX PARCEL 0135 018

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CURVE DATA
Δ = 23°37'03"
R = 660.00'
L = 272.05'
T = 137.99'
CHB = S77° 24' 50"E
CHD = 270.13'
DESIGN SPEED = 35 MPH
S.E. = NC

PC: 37+10.38
N: 263.459
E: 266.5764
PT: 40+21.43
N: 263.400
E: 266.6028

PT: 40+21.43
N: 263.400
E: 266.6028

INSTALL OM-3RL OBJECT MARKER (TWO SIGNS PER POST) PER M.U.T.C.D STANDARDS

INSTALL W1-4R REVERSE CURVE RIGHT PER M.U.T.C.D STANDARDS

15' UTILITIES EASEMENT TO BE ACQUIRED BY COLQUITT EMC

±550 L.F. OF 8" HDPE WATER MAIN

FIRE HYDRANT ASSEMBLY AND GATE VALVE

15' UTILITIES EASEMENT TO BE ACQUIRED BY COLQUITT EMC

WETLANDS DELINEATED BY TTL, INC. (WETLAND ID: WA)

WETLANDS DELINEATED BY TTL, INC. (WETLAND ID: WB)

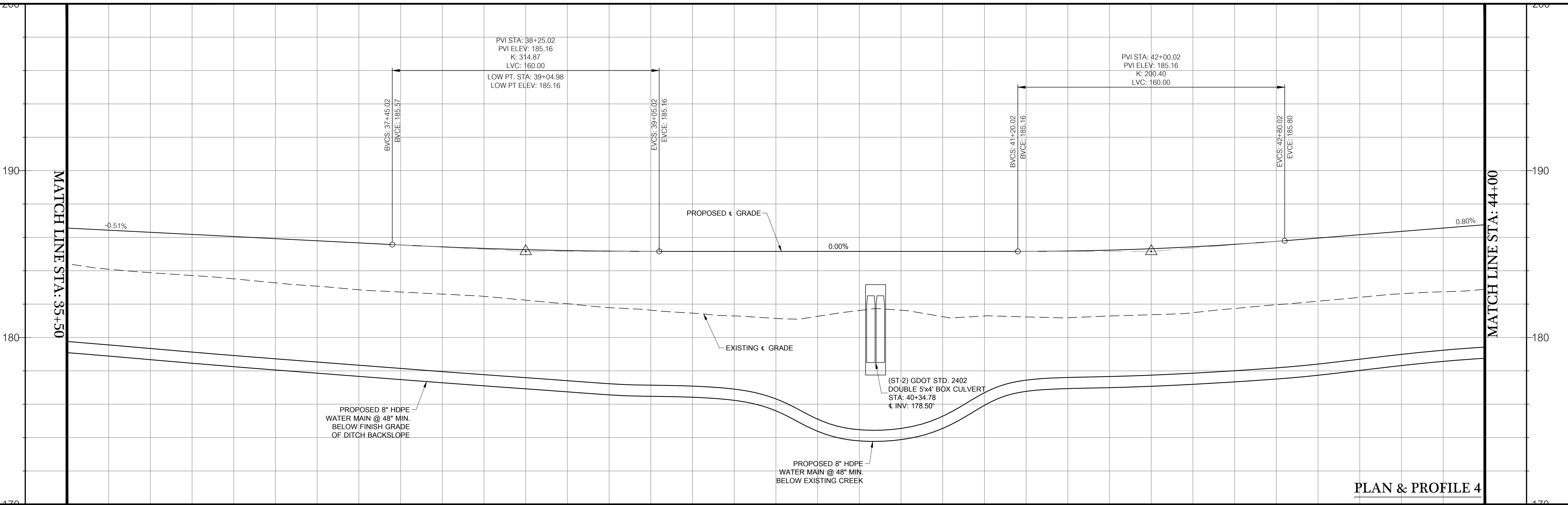
INSTALL OM-3RL OBJECT MARKER (TWO SIGNS PER POST) PER M.U.T.C.D STANDARDS

30' X 10' DRAINAGE EASEMENT

DRAINAGE DITCH PER TTL, INC. (DITCH ID: D-3)

CONTRACTOR SHALL CLEAN EASEMENT AND GRADE TAIL DITCH TO MAINTAIN POSITIVE DRAINAGE.

(ST-2) GDOT STD. 2402 DOUBLE 5'x4' BOX CULVERT ±33 L.F. @ 0.75% SLOPE INV IN: 178.62 INV OUT: 178.38'



PLAN & PROFILE 4

REVISIONS table with columns for DATE, REVISIONS PER COUNTY COMMENTS, and REVISIONS PER GDOT COMMENTS.

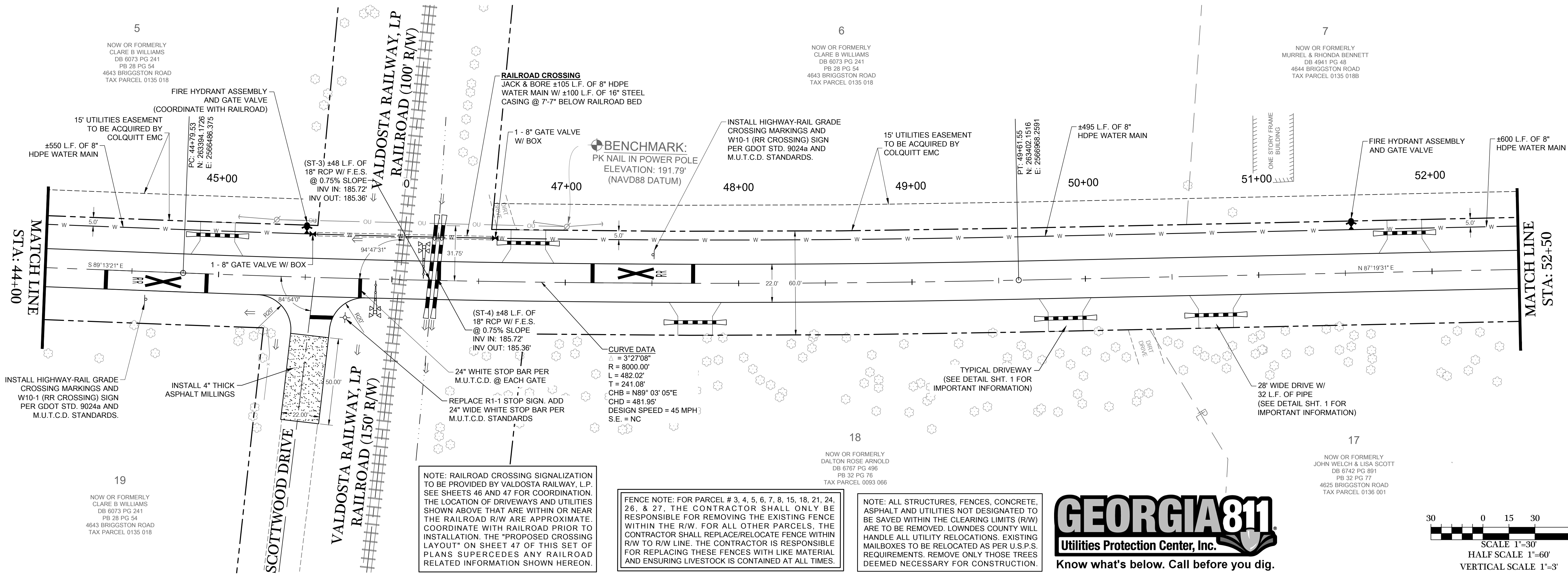
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DATE: 09/14/2022
DRAWN BY: M. WILSON
CHECKED BY: B. KENT

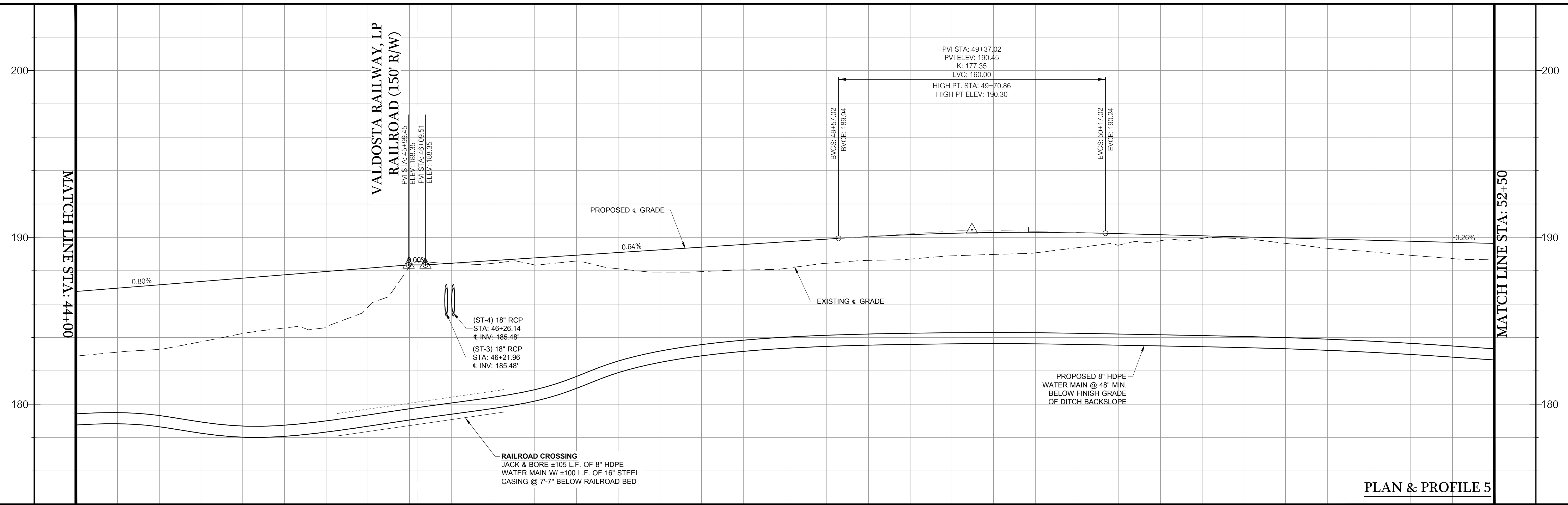
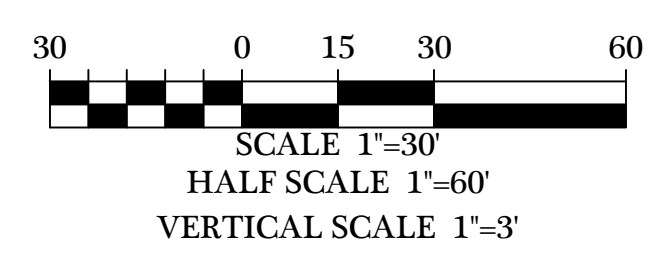
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NOTE: RAILROAD CROSSING SIGNALIZATION TO BE PROVIDED BY VALDOSTA RAILWAY, L.P. SEE SHEETS 46 AND 47 FOR COORDINATION. THE LOCATION OF DRIVEWAYS AND UTILITIES SHOWN ABOVE THAT ARE WITHIN OR NEAR THE RAILROAD R/W ARE APPROXIMATE. COORDINATE WITH RAILROAD PRIOR TO INSTALLATION. THE "PROPOSED CROSSING LAYOUT" ON SHEET 47 OF THIS SET OF PLANS SUPERCEDES ANY RAILROAD RELATED INFORMATION SHOWN HEREON.

FENCE NOTE: FOR PARCEL # 3, 4, 5, 6, 7, 8, 15, 18, 21, 24, 26, & 27, THE CONTRACTOR SHALL ONLY BE RESPONSIBLE FOR REMOVING THE EXISTING FENCE WITHIN THE R/W. FOR ALL OTHER PARCELS, THE CONTRACTOR SHALL REPLACE/RELOCATE FENCE WITHIN R/W TO R/W LINE. THE CONTRACTOR IS RESPONSIBLE FOR REPLACING THESE FENCES WITH LIKE MATERIAL AND ENSURING LIVESTOCK IS CONTAINED AT ALL TIMES.

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PLAN & PROFILE 5

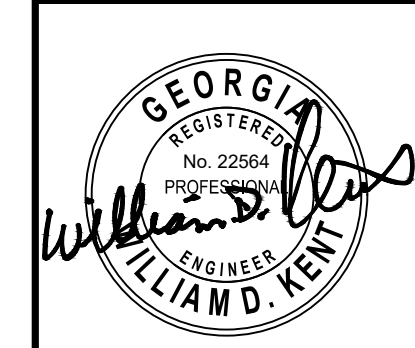
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44+00	45+00	46+00	47+00	48+00	49+00	50+00	51+00	52+00								

DATE	REVISIONS
02/24/2023	REVISIONS PER COUNTY COMMENTS
03/09/2023	REVISIONS PER COUNTY COMMENTS
03/20/2023	REVISIONS PER COUNTY COMMENTS
07/14/2023	REVISIONS PER COUNTY COMMENTS
07/14/2023	REVISIONS PER COUNTY COMMENTS

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CHECKED BY: B. KENT

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SHEET
11 of 47
PROJECT NUMBER
1669

7
NOW OR FORMERLY
MURREL & RHONDA BENNETT
DB 4941 PG 48
4644 BRIGGSTON ROAD
TAX PARCEL 0135 0188

27
NOW OR FORMERLY
ISBIN MURREL & RHONDA JULIANNE BENNETT
DB 571 PG 325
PC E PG 233
4618 BRIGGSTON ROAD
TAX PARCEL 0135 017

8
NOW OR FORMERLY
MURREL & RHONDA BENNETT
DB 4941 PG 48
PC A PG 3259
TAX PARCEL 0135 018A

28
NOW OR FORMERLY
GARY & CHRISTOPHER L WATSON
DB 2983 PG 205
PC A PG 2677
TAX PARCEL 0135 016C

17
NOW OR FORMERLY
JOHN WELCH & LISA SCOTT
DB 6742 PG 891
PB 32 PG 77
4625 BRIGGSTON ROAD
TAX PARCEL 0136 001

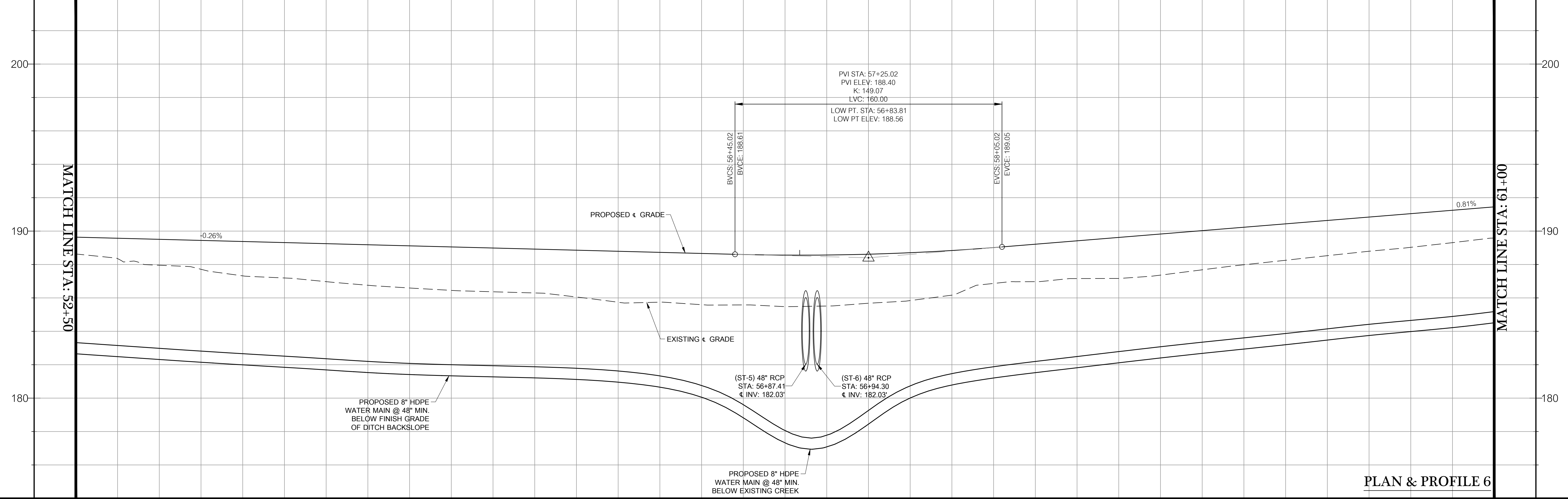
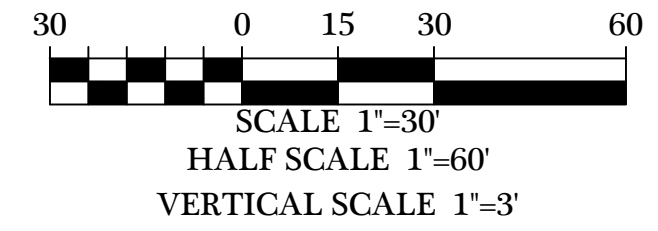
16
NOW OR FORMERLY
JOHN WELCH & LISA SCOTT
DB 6742 PG 891
PB 32 PG 77
TAX PARCEL 0136 002

38
NOW OR FORMERLY
LARRY THOMAS
DB 2983 PG 207
PC A PG 2677
TAX PARCEL 0136 001A



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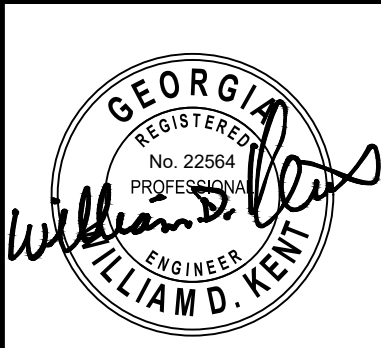
PLAN & PROFILE 6

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53+00	54+00	55+00	56+00	57+00	58+00	59+00	60+00	61+00

DATE	REVISIONS
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03/09/2023	REVISIONS PER COUNTY COMMENTS
03/16/2023	REVISIONS PER COUNTY COMMENTS
07/12/2023	REVISIONS PER COUNTY COMMENTS

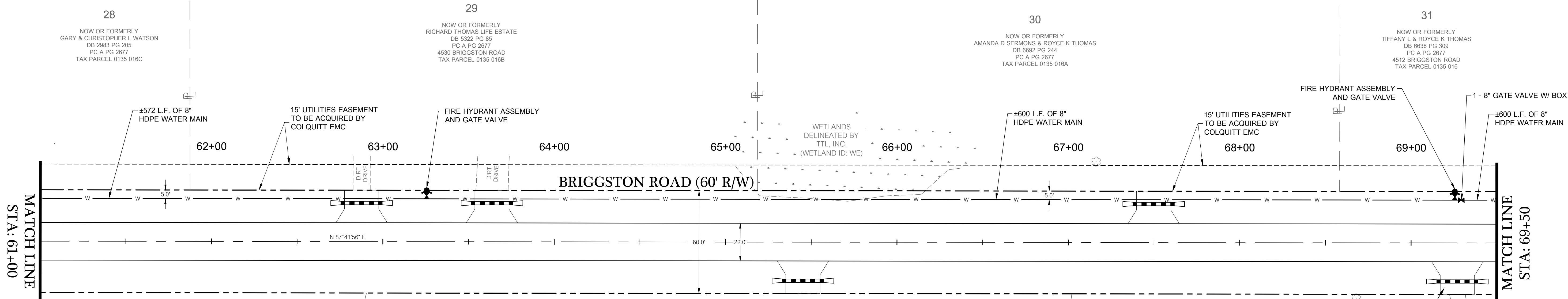
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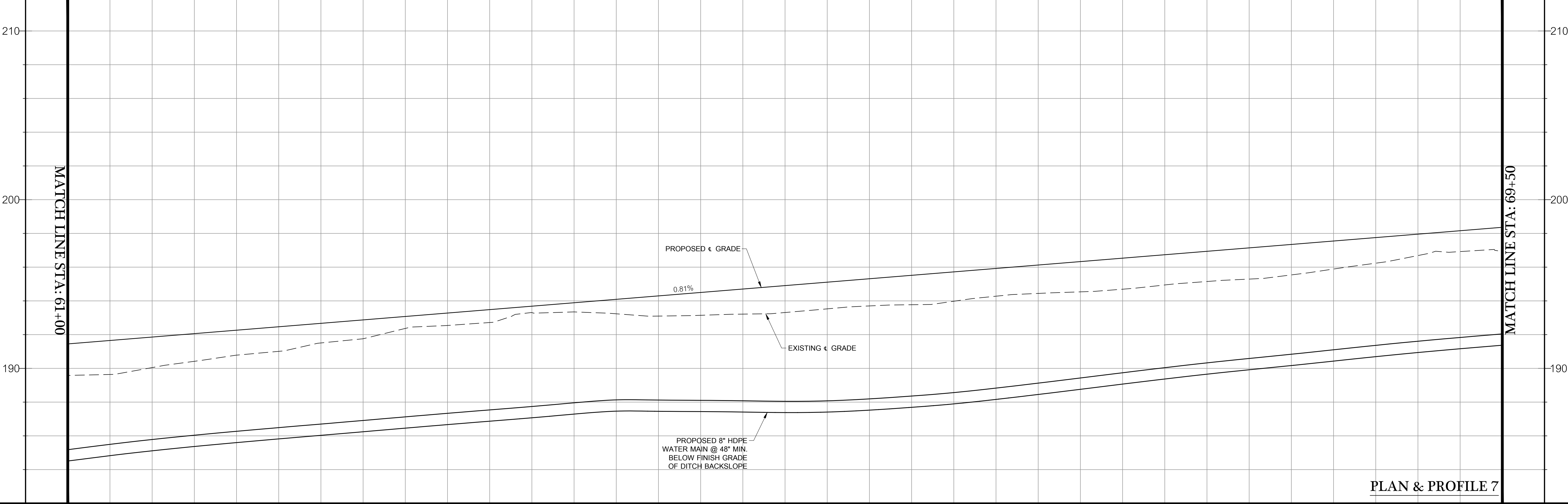
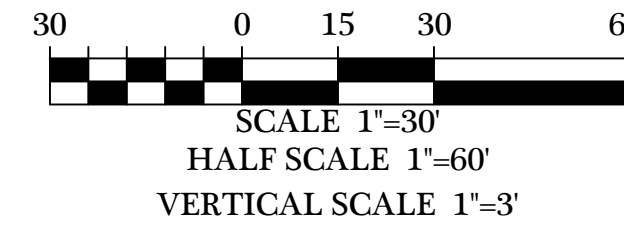
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DRAWN BY: M. WILSON
CHECKED BY: B. KENT

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FENCE NOTE: FOR PARCEL # 3, 4, 5, 6, 7, 8, 15, 18, 21, 24, 26, & 27, THE CONTRACTOR SHALL ONLY BE RESPONSIBLE FOR REMOVING THE EXISTING FENCE WITHIN THE R/W. FOR ALL OTHER PARCELS, THE CONTRACTOR SHALL REPLACE/RELOCATE FENCE WITHIN R/W TO R/W LINE. THE CONTRACTOR IS RESPONSIBLE FOR REPLACING THESE FENCES WITH LIKE MATERIAL AND ENSURING LIVESTOCK IS CONTAINED AT ALL TIMES.

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PLAN & PROFILE 7

190.59 191.45	190.78 192.26	192.37 193.08	193.35 193.69	193.22 194.70	193.77 195.52	194.54 196.33	195.29 197.14	196.69 197.96
61+00	62+00	63+00	64+00	65+00	66+00	67+00	68+00	69+00

DATE	REVISIONS PER COUNTY COMMENTS
02/24/2023	REVISIONS PER COUNTY COMMENTS
03/29/2023	REVISIONS PER COUNTY COMMENTS
04/26/2023	REVISIONS PER COUNTY COMMENTS
07/12/2023	REVISIONS PER COUNTY COMMENTS

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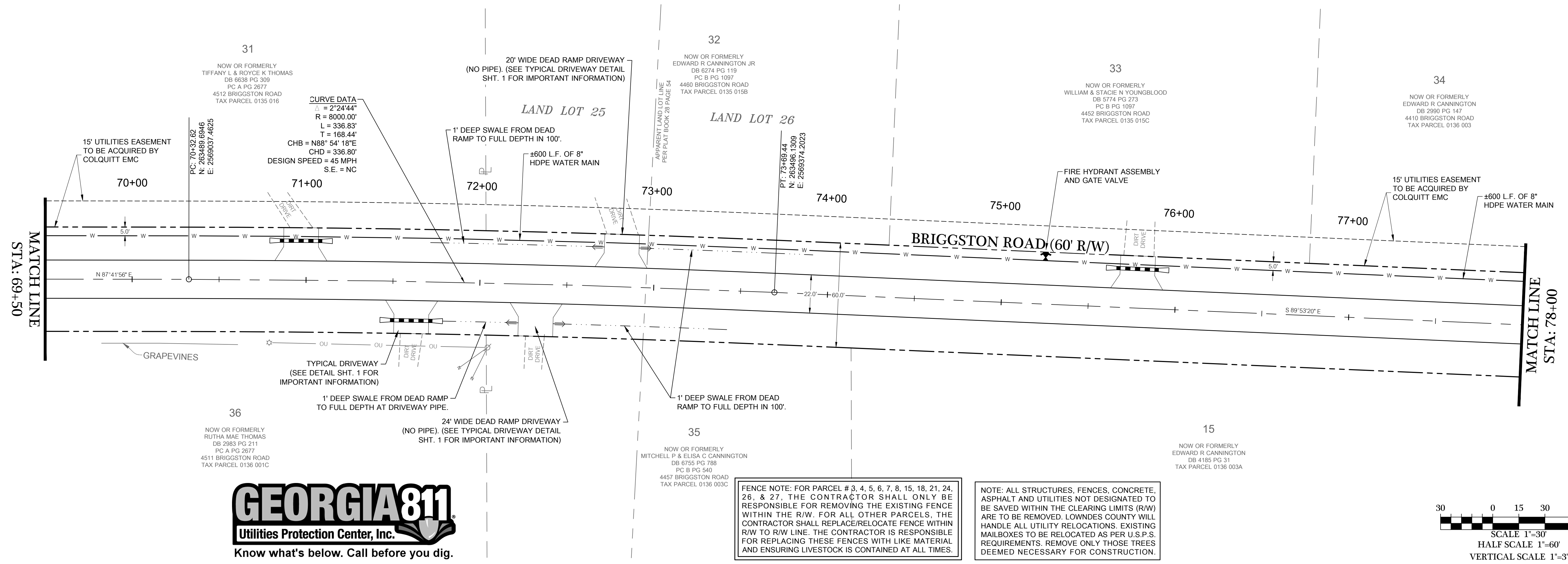
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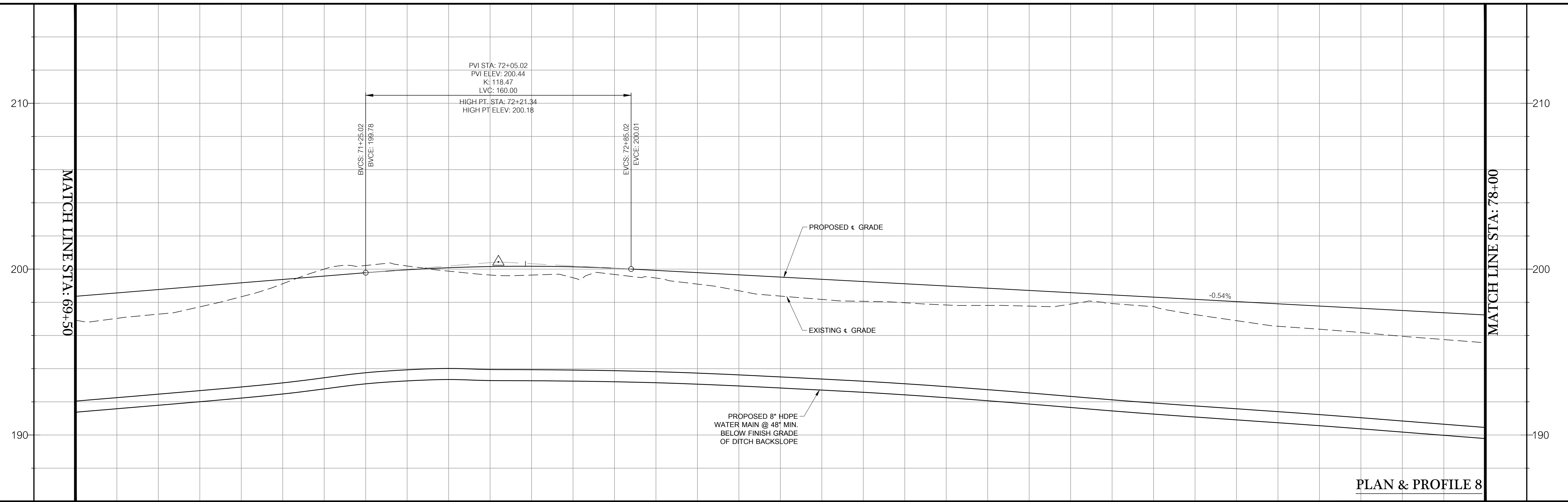
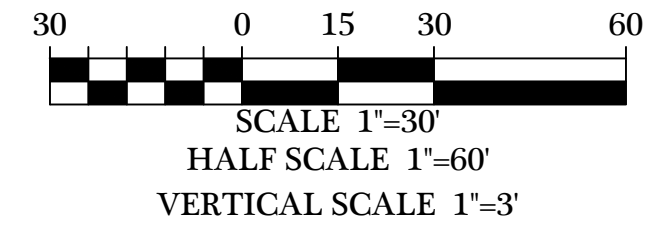
DATE: 09/14/2022
DRAWN BY: M. WILSON
CHECKED BY: B. KENT

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FENCE NOTE: FOR PARCEL # 3, 4, 5, 6, 7, 8, 15, 18, 21, 24, 26, & 27, THE CONTRACTOR SHALL ONLY BE RESPONSIBLE FOR REMOVING THE EXISTING FENCE WITHIN THE R/W. FOR ALL OTHER PARCELS, THE CONTRACTOR SHALL REPLACE/RELOCATE FENCE WITHIN R/W TO R/W LINE. THE CONTRACTOR IS RESPONSIBLE FOR REPLACING THESE FENCES WITH LIKE MATERIAL AND ENSURING LIVESTOCK IS CONTAINED AT ALL TIMES.

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197.28 198.77	200.00 199.58	199.65 200.16	199.46 199.92	198.17 199.39	197.81 198.65	197.74 198.31	198.38 197.77	195.56 197.24
70+00	71+00	72+00	73+00	74+00	75+00	76+00	77+00	78+00

PROJECT: 1669-LCE Briggston Road Paving Project (Civil) Briggston Road 100% Plans 1669C08.R4.dwg - 14 PLAN & PROFILE 8 - 7/14/2023 8:46 AM

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06/29/2023	REVISIONS PER COUNTY COMMENTS
07/02/2023	REVISIONS PER COUNTY COMMENTS
07/12/2023	REVISIONS PER COUNTY COMMENTS

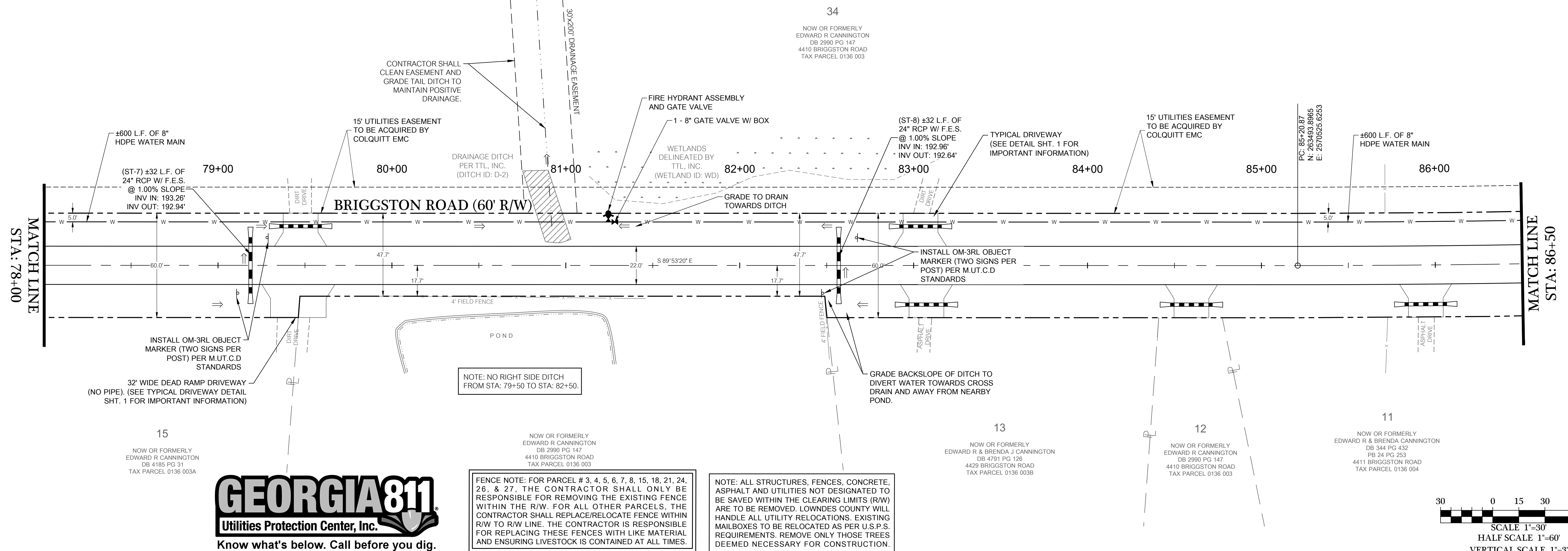
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GEORGIA REGISTERED ENGINEER
 No. 22564
 WILLIAM D. KENT

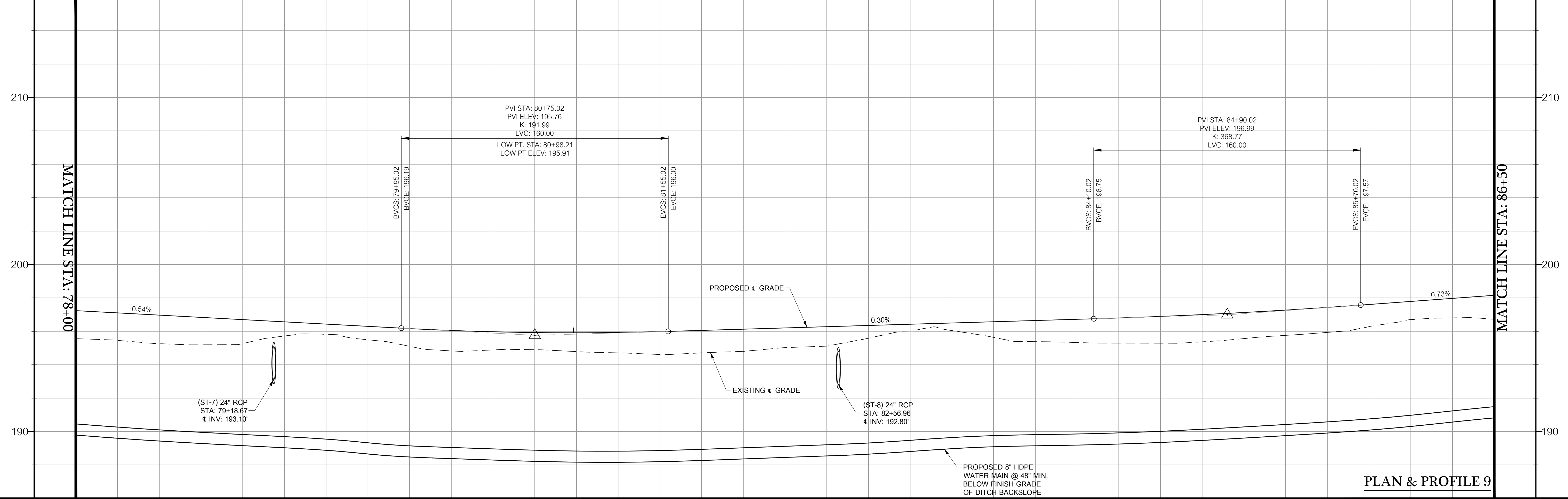
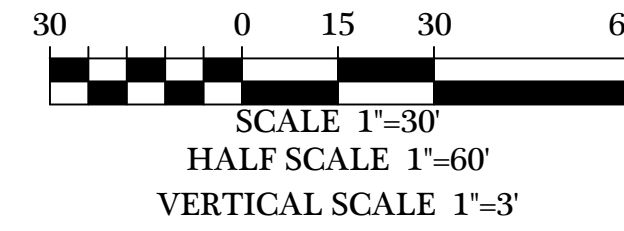
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SHEET 14 of 47
 PROJECT NUMBER 1669



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PLAN & PROFILE 9

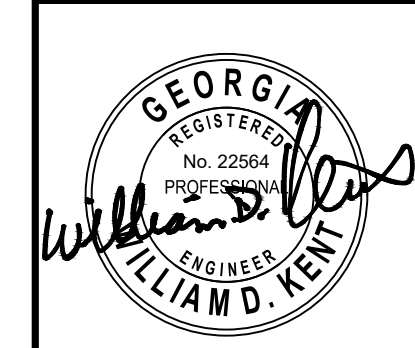
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78+00	79+00	80+00	81+00	82+00	83+00	84+00	85+00	86+00

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03/09/2023	REVISIONS PER COUNTY COMMENTS
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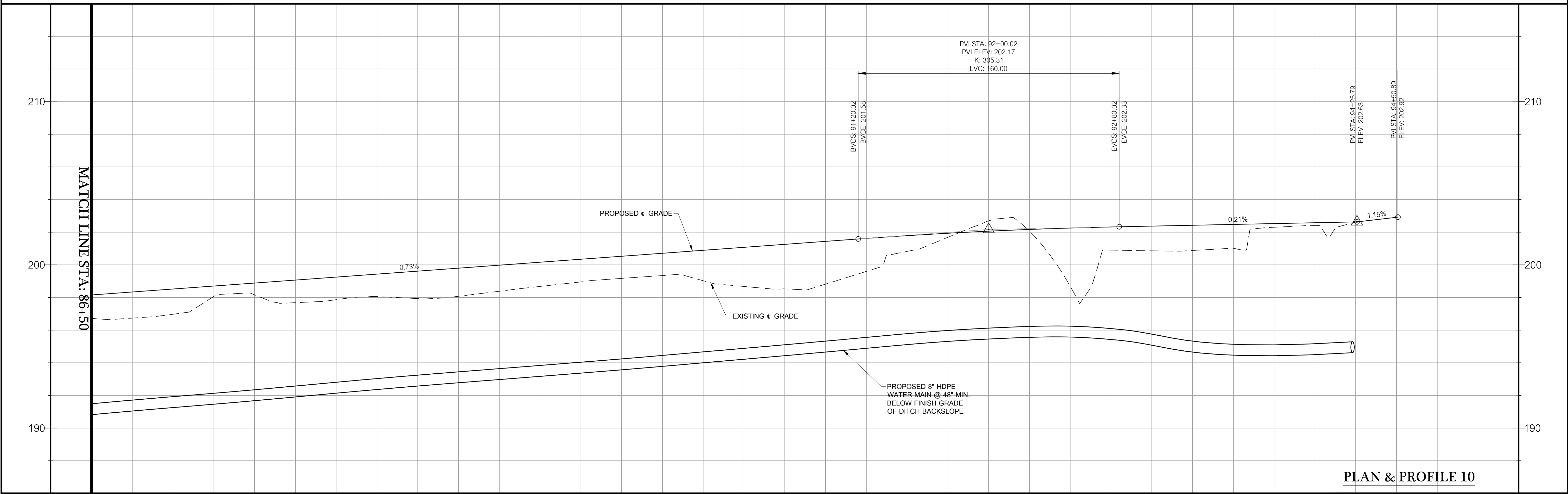
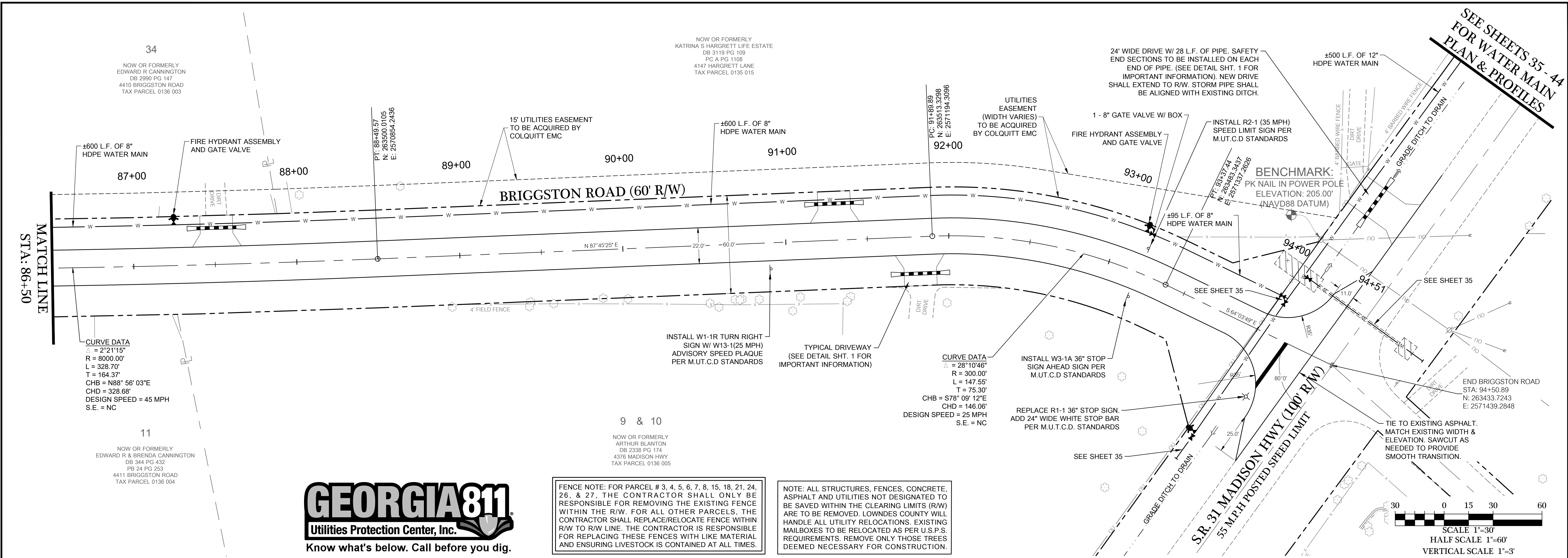
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186.97 198.52	197.87 199.25	198.38 199.98	199.34 200.71	198.82 201.44	202.70 202.06	200.86 202.37	202.42 202.58
87+00	88+00	89+00	90+00	91+00	92+00	93+00	94+00

SEE SHEETS 35 - 44 FOR WATER MAIN PLAN & PROFILES

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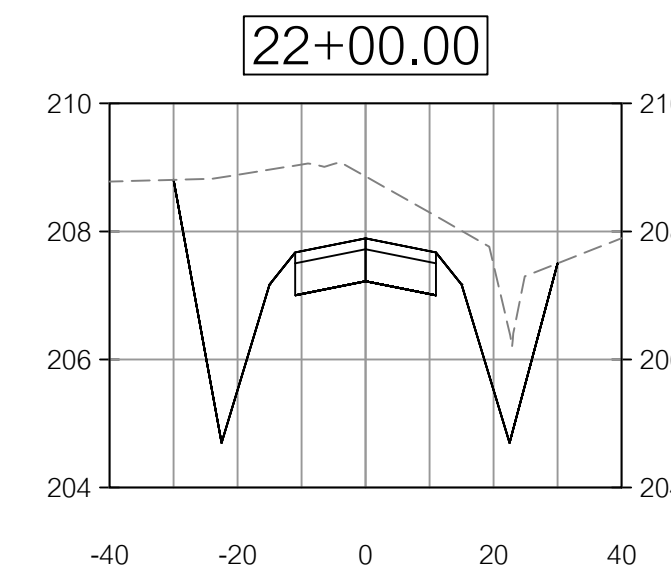
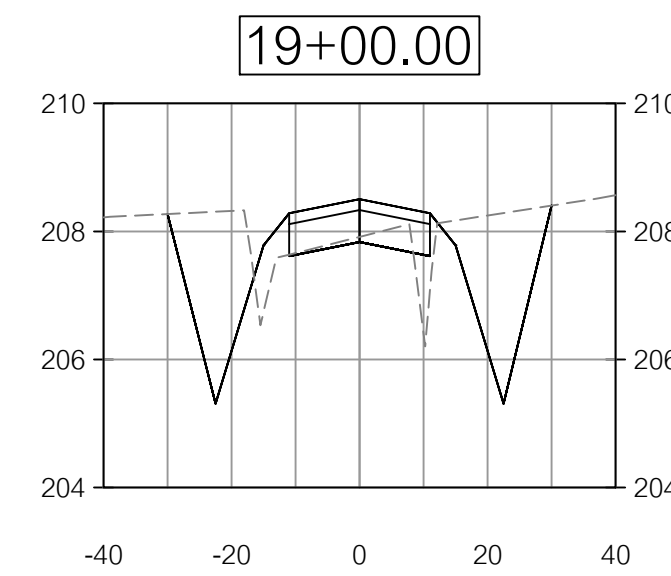
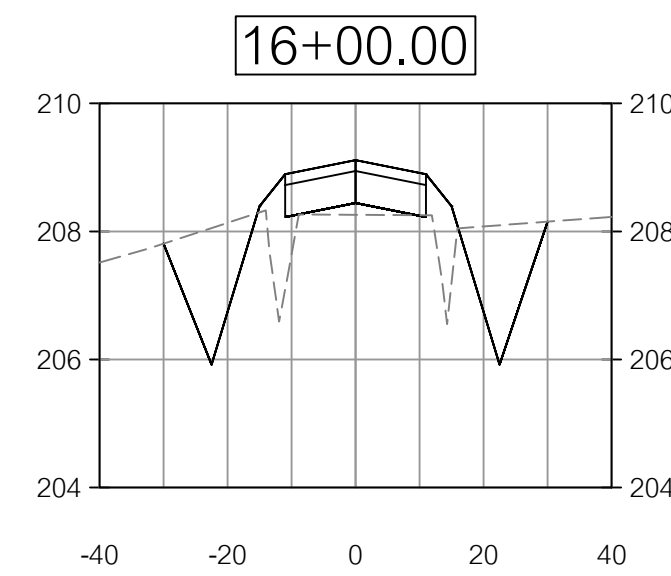
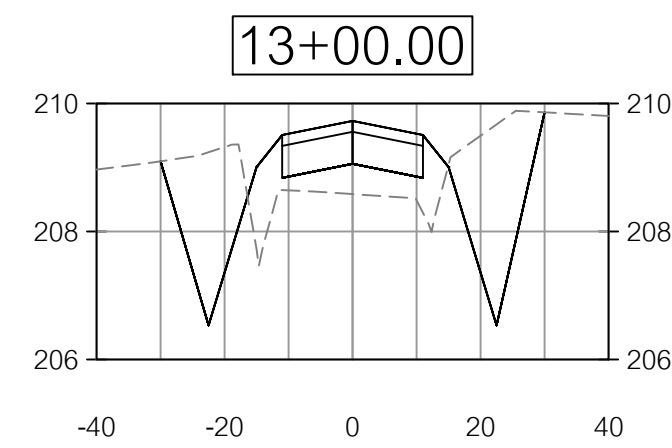
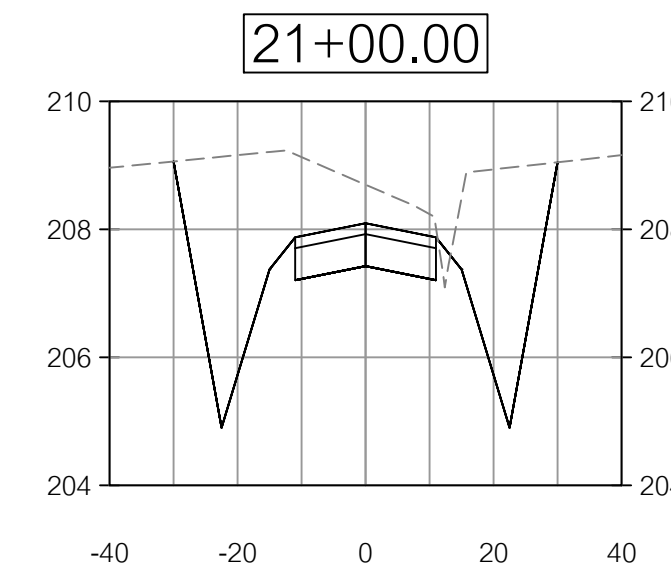
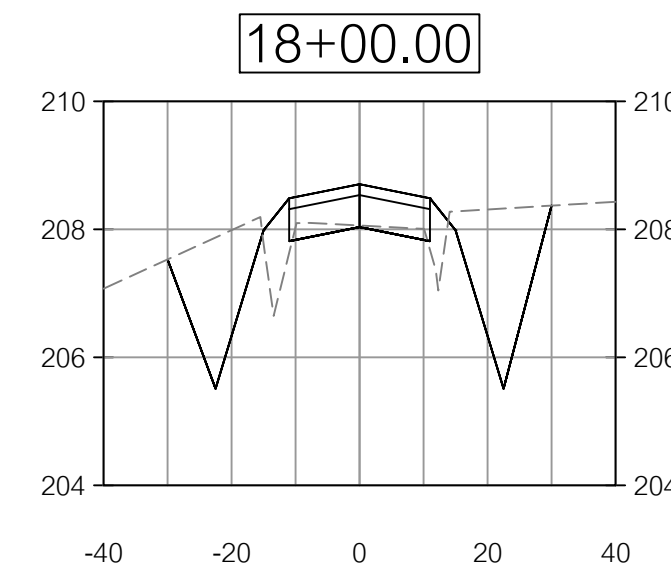
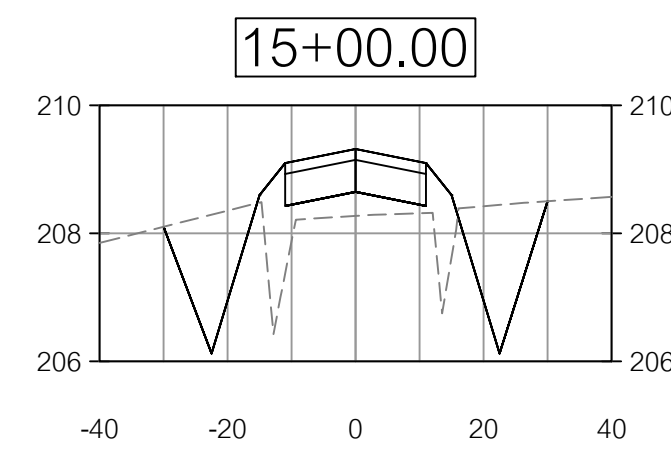
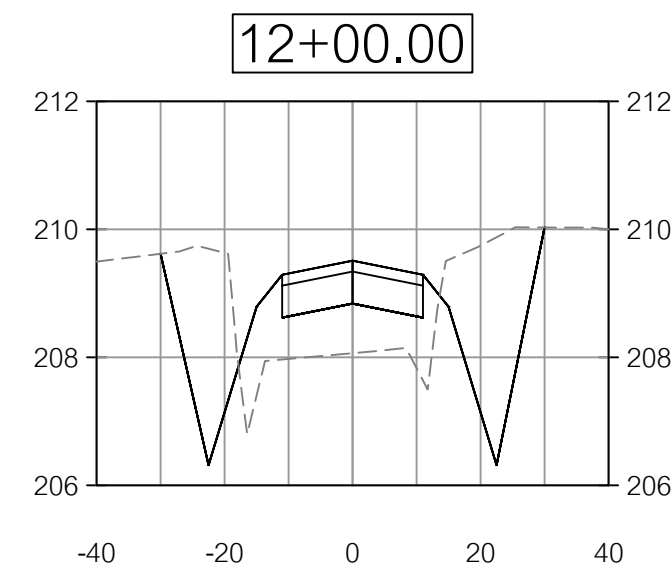
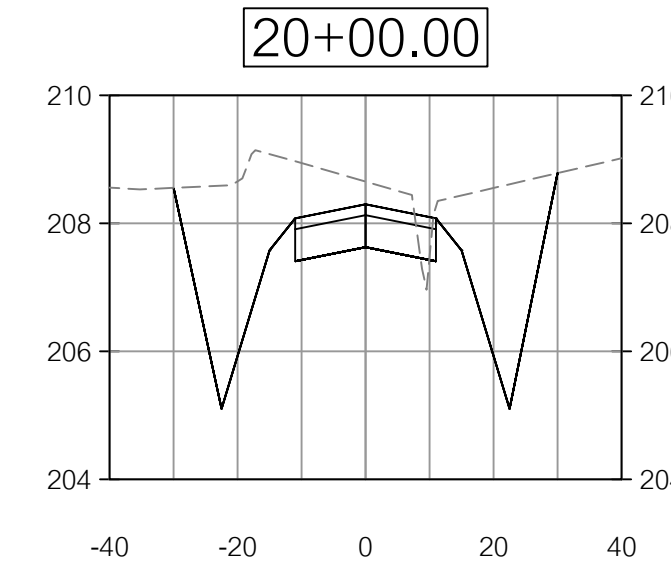
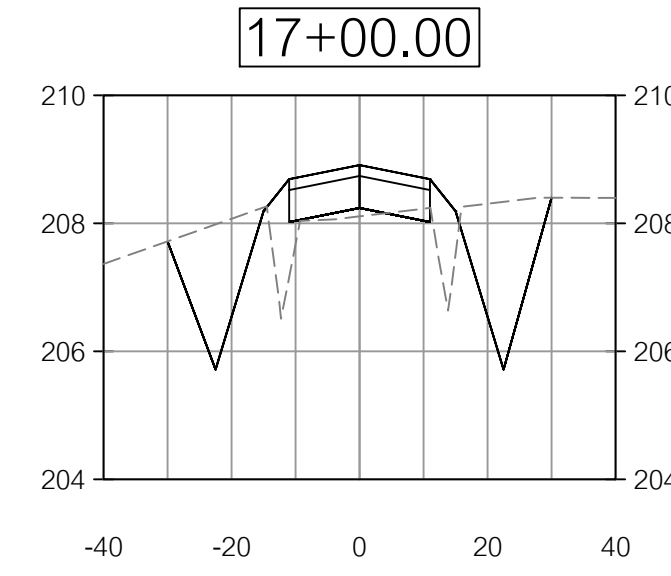
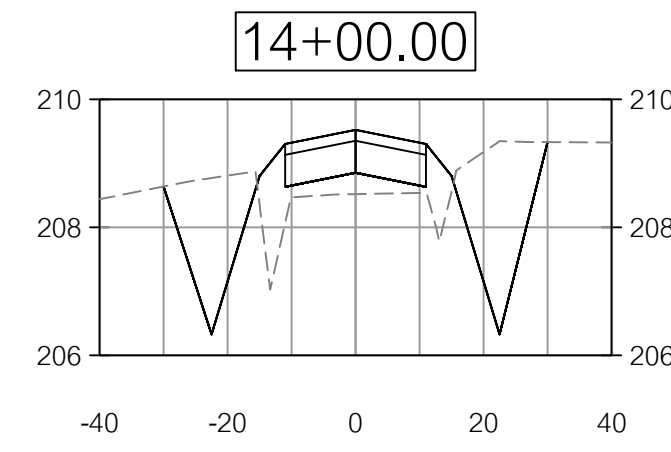
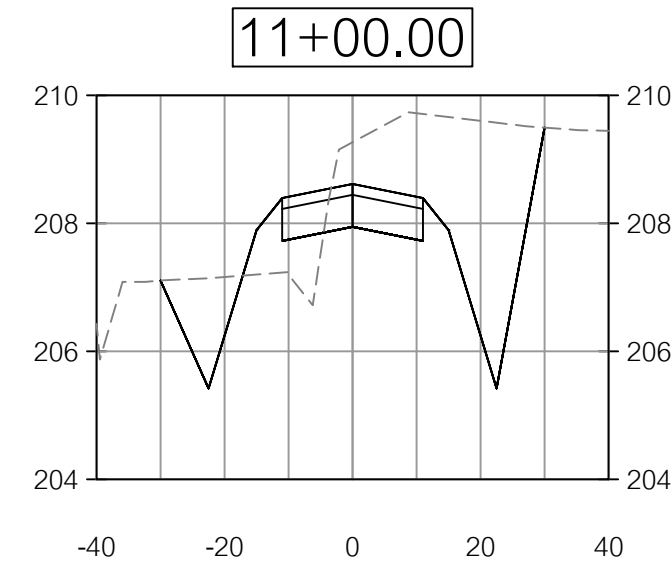
GEORGIA REGISTERED PROFESSIONAL ENGINEER
No. 22564
WILSON
WILLIAM D. KENT

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CHECKED BY: B. KENT

SHEET 16 OF 47
PROJECT NUMBER 1669

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HORZ. SCALE 1"=30
 VERT. SCALE 1"=3'
CROSS SECTIONS 1

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06/29/2023	REVISIONS PER COUNTY COMMENTS
07/05/2023	REVISIONS PER COUNTY COMMENTS
07/14/2023	REVISIONS PER COUNTY COMMENTS

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 & L.L. 70 & 71 OF THE 11TH L.D.

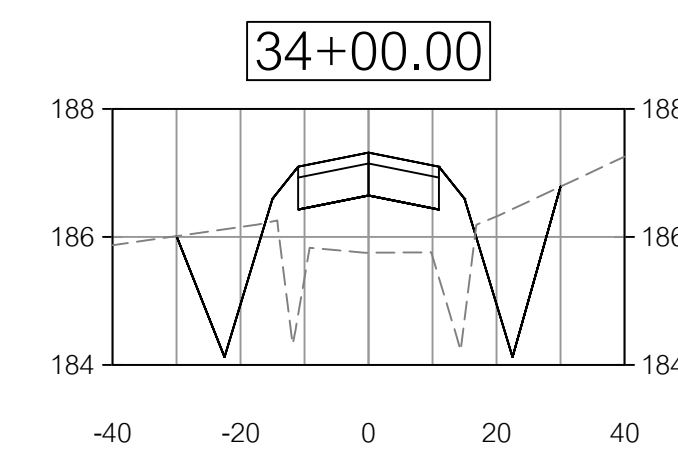
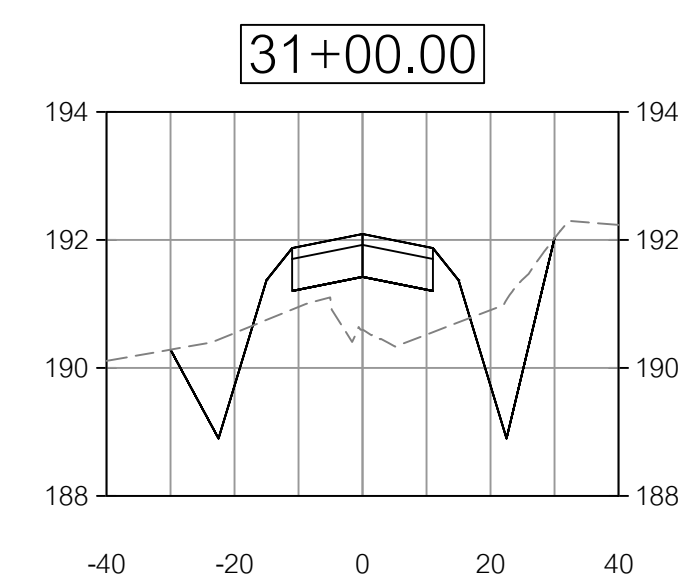
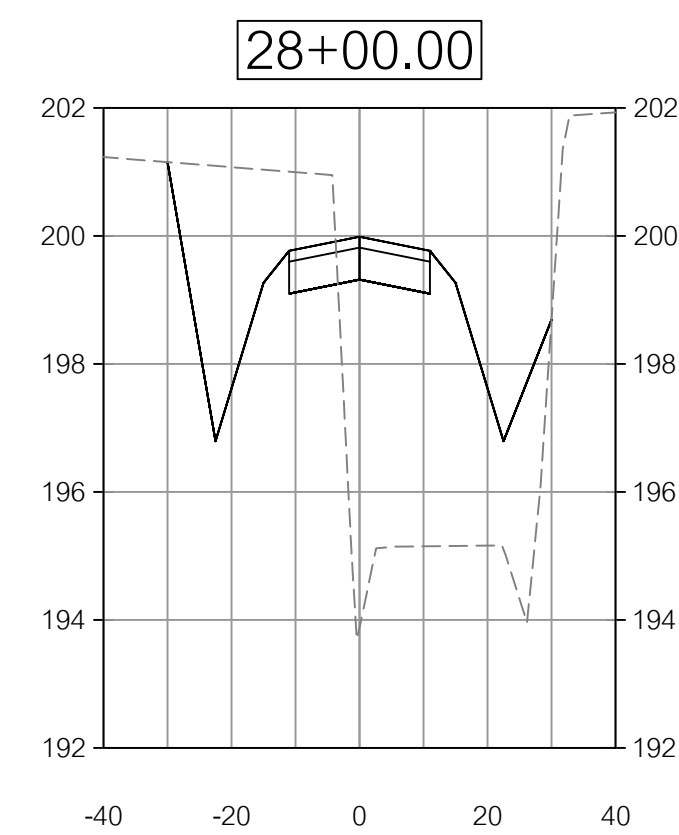
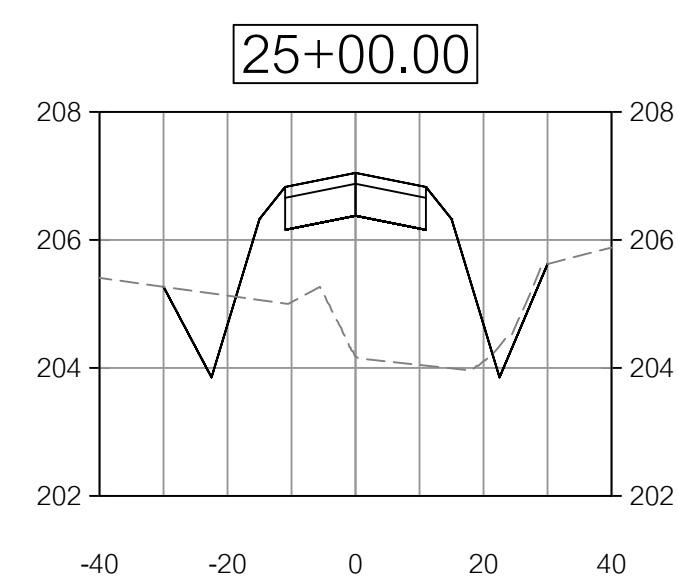
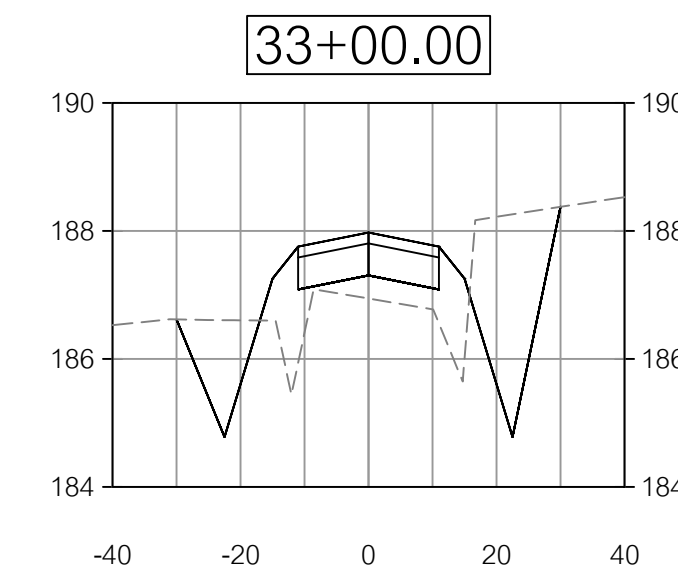
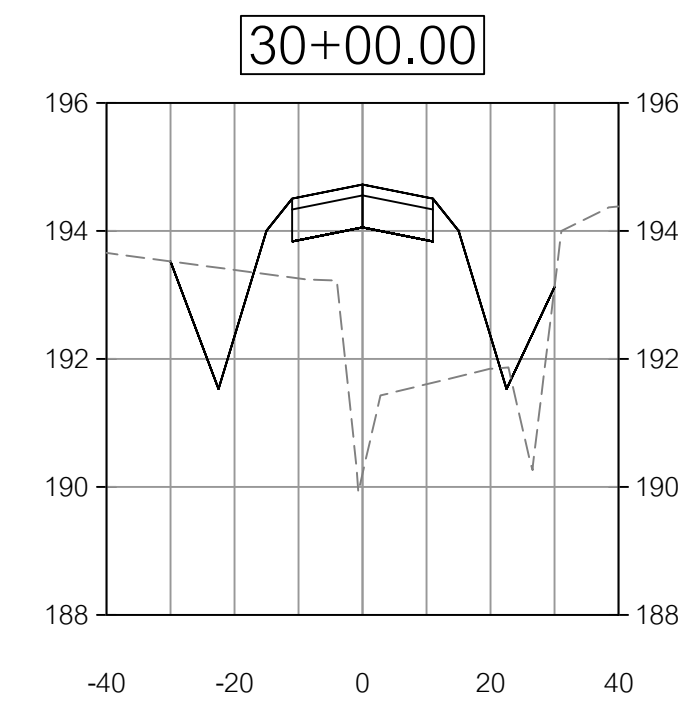
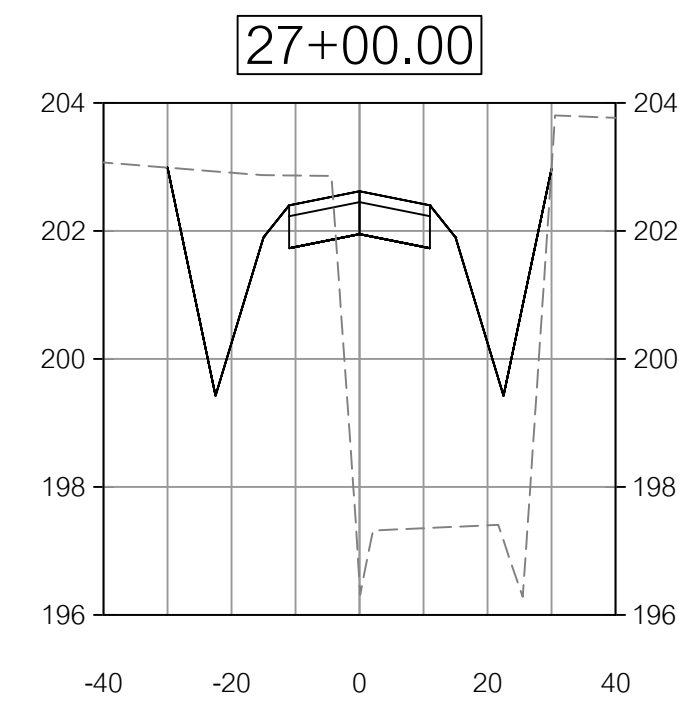
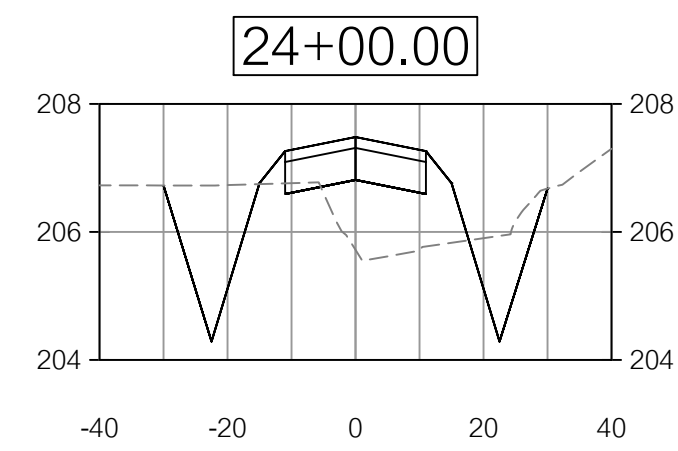
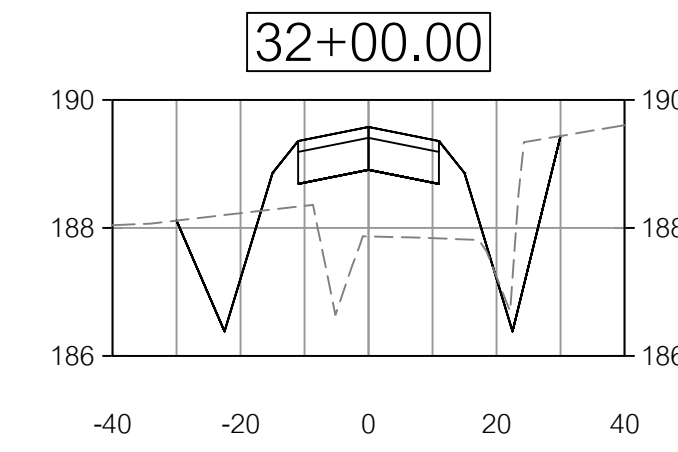
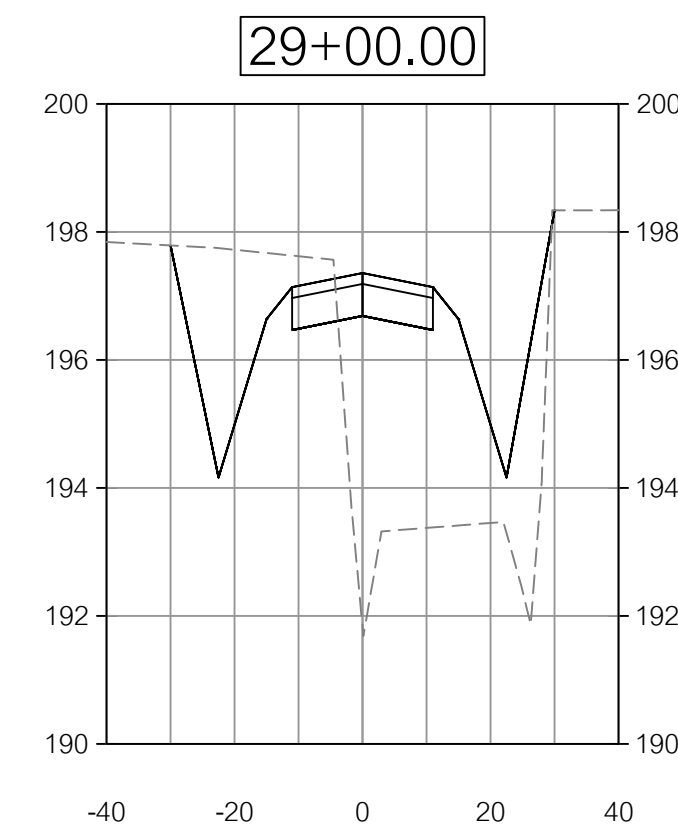
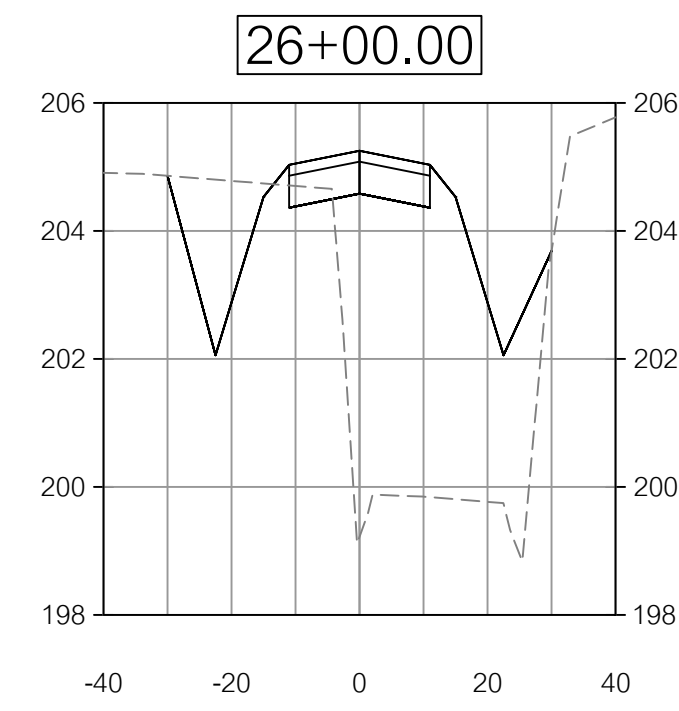
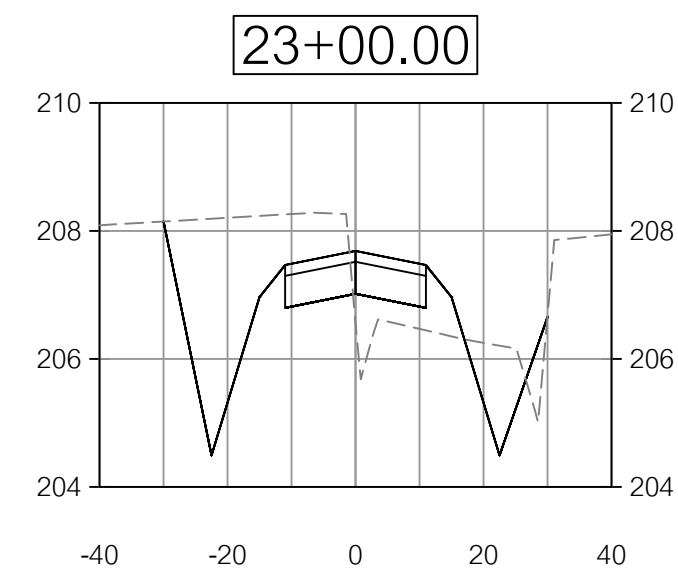
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SHEET
17 OF 47

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DATE	REVISIONS PER COUNTY COMMENTS
06/24/2023	REVISIONS PER COUNTY COMMENTS
06/30/2023	REVISIONS PER COUNTY COMMENTS
07/05/2023	REVISIONS PER COUNTY COMMENTS
07/14/2023	REVISIONS PER COUNTY COMMENTS

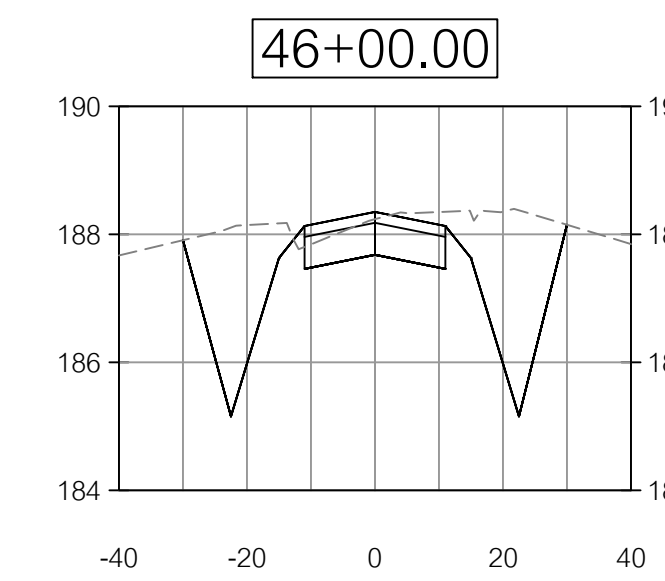
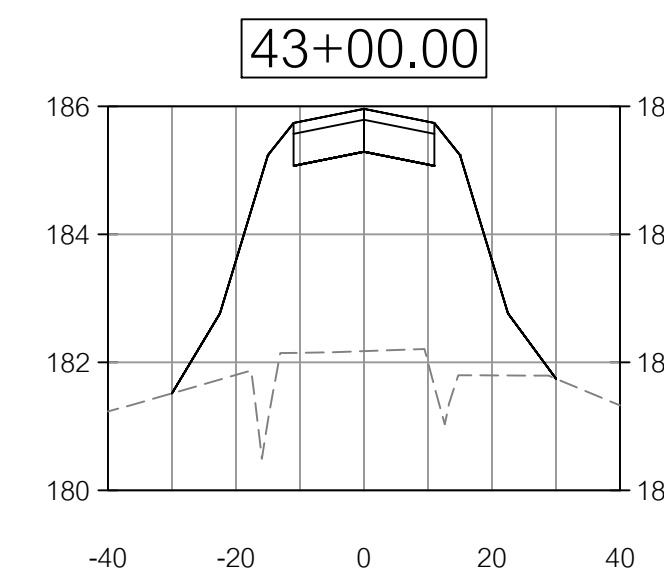
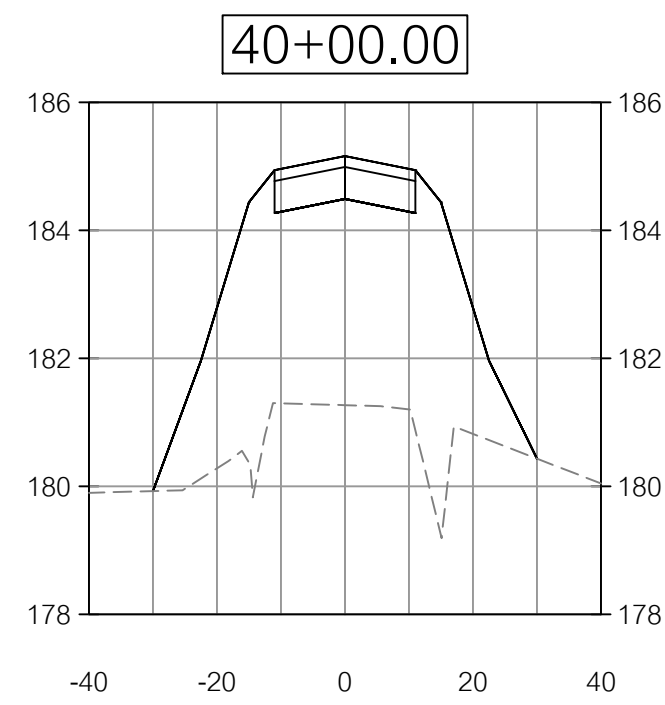
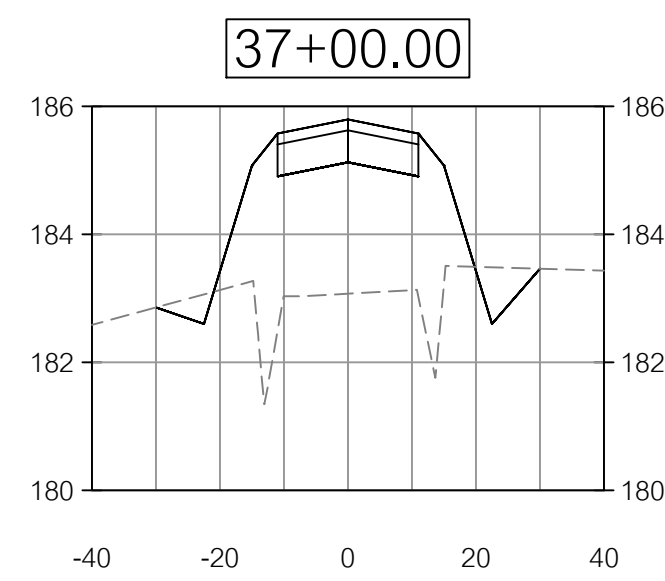
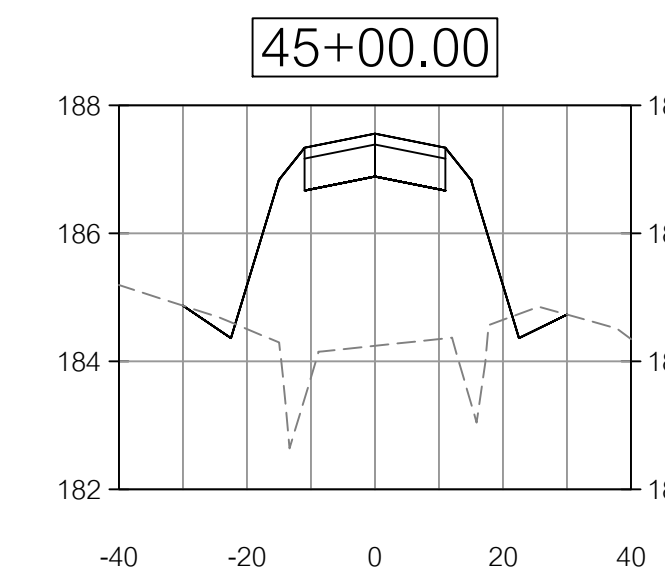
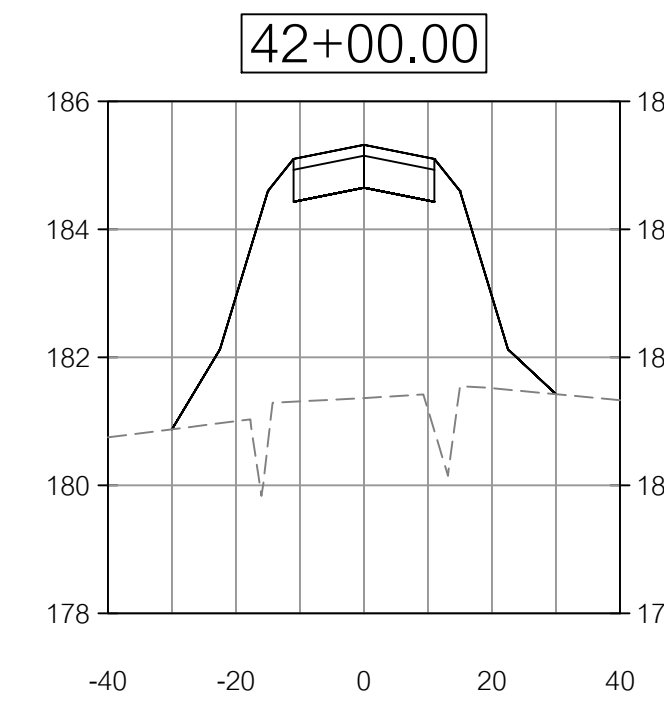
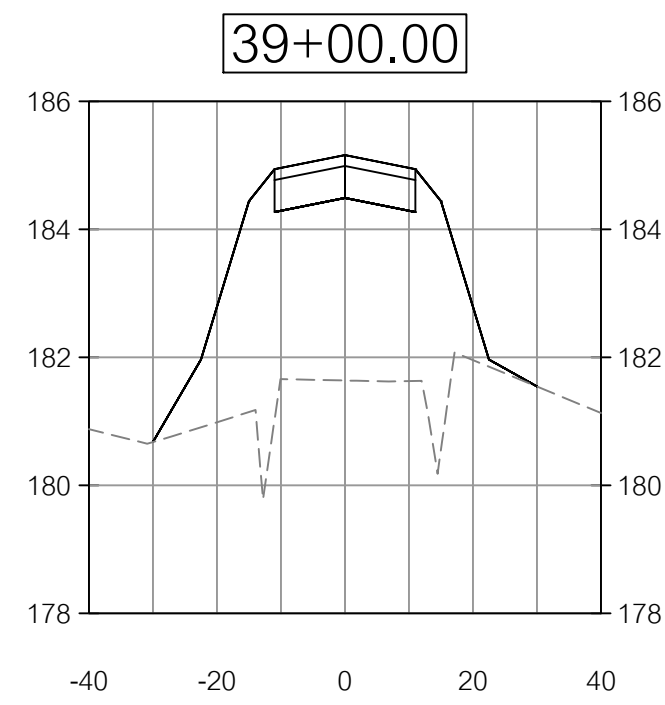
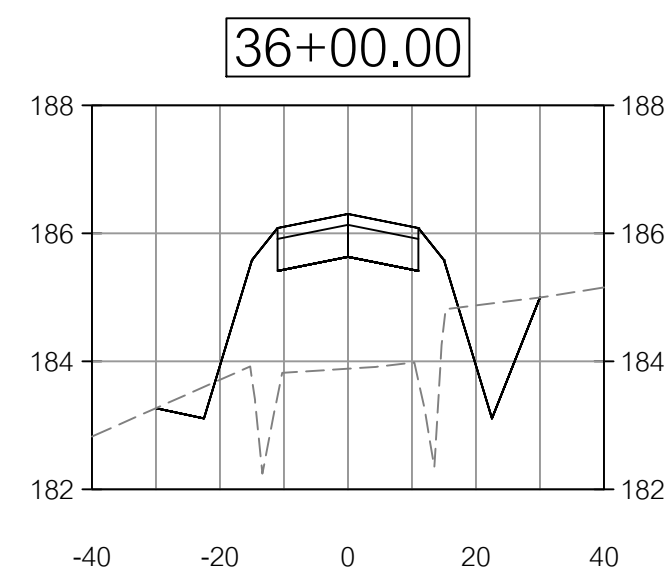
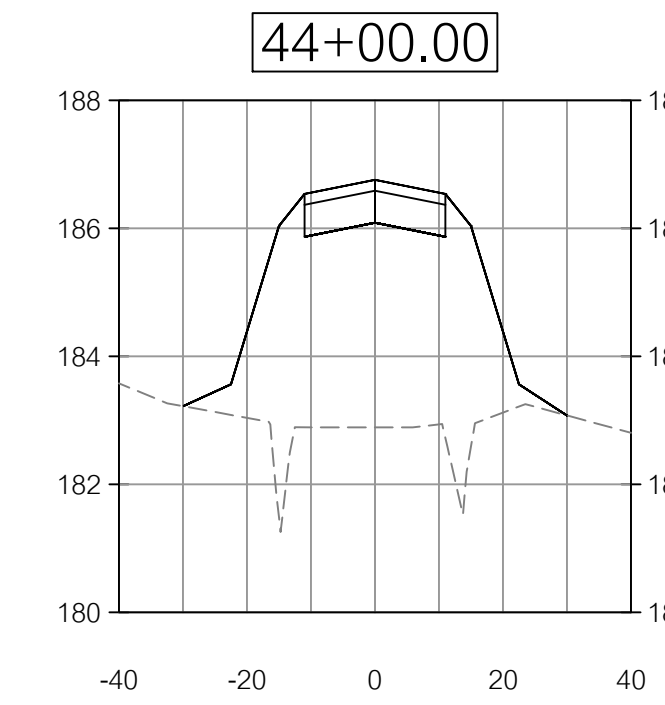
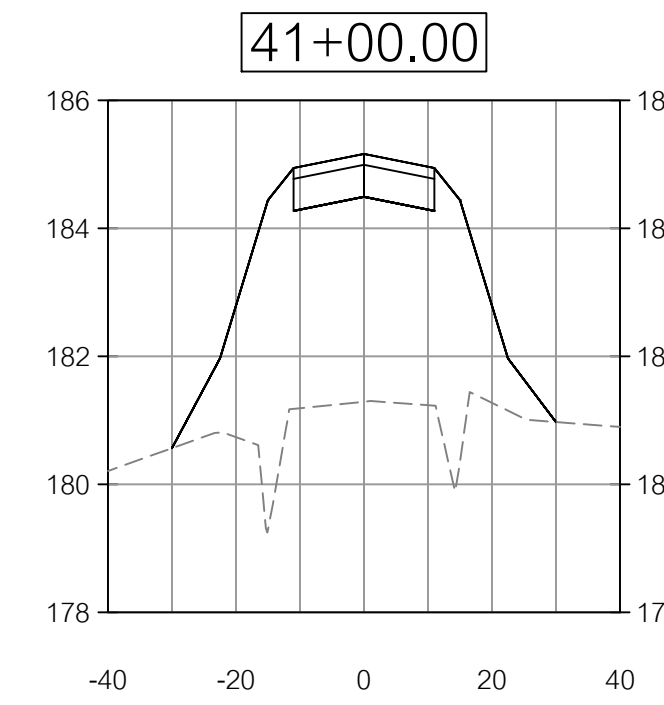
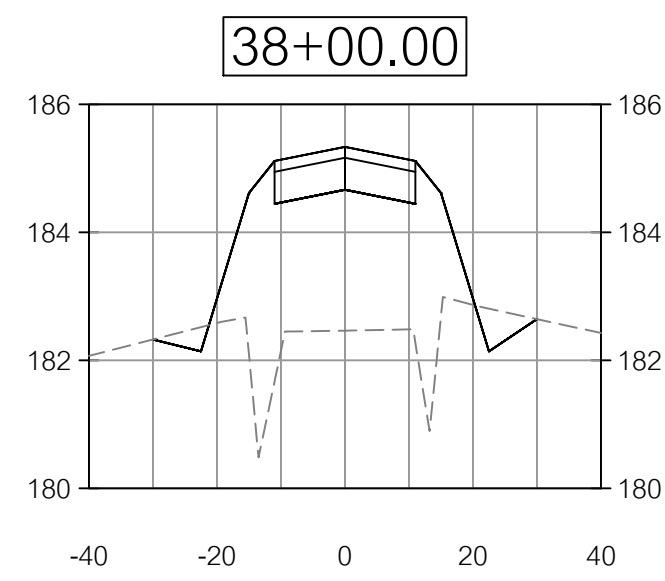
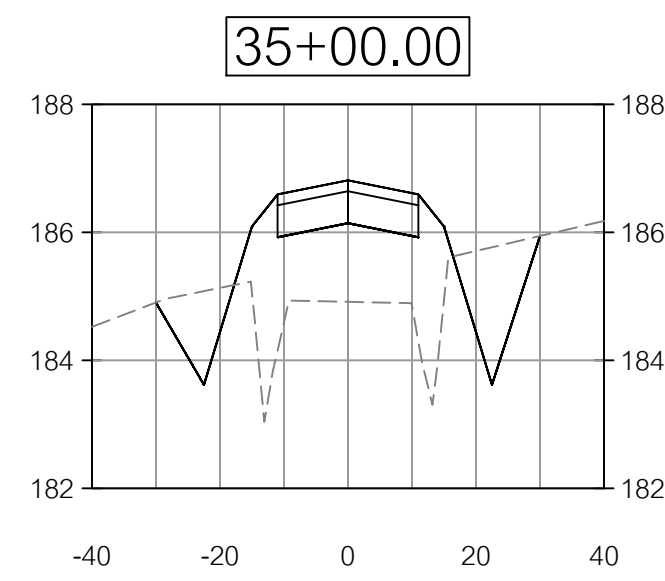
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SHEET
18 of 47
 PROJECT NUMBER
1669

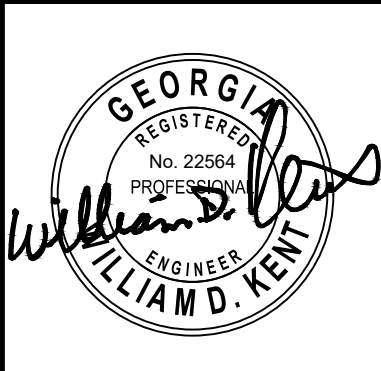
HORZ. SCALE 1"=30'
 VERT. SCALE 1"=3'
CROSS SECTIONS 2



DATE	REVISIONS
06/24/2023	REVISIONS PER COUNTY COMMENTS
06/29/2023	REVISIONS PER COUNTY COMMENTS
07/05/2023	REVISIONS PER COUNTY COMMENTS
07/14/2023	REVISIONS PER COUNTY COMMENTS

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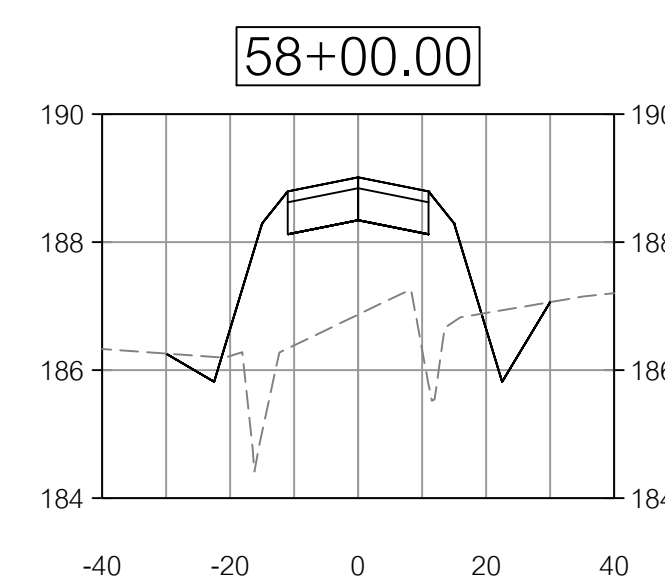
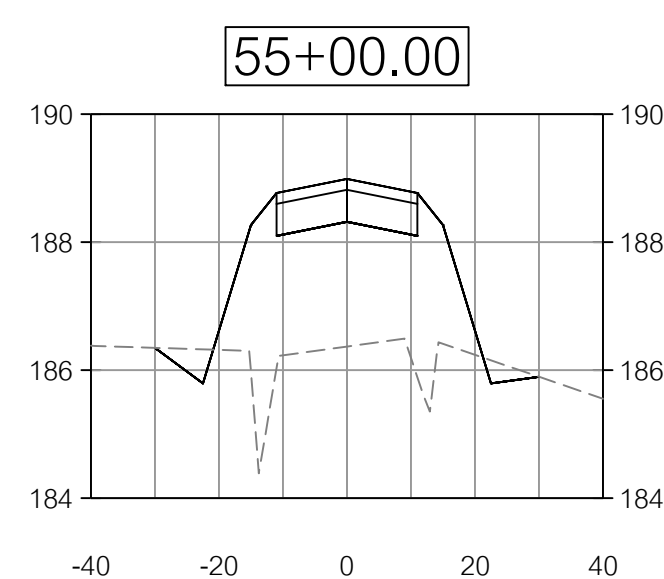
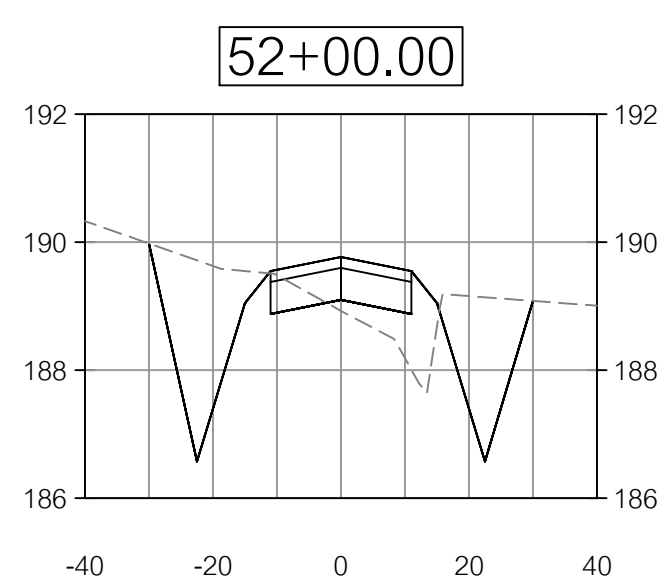
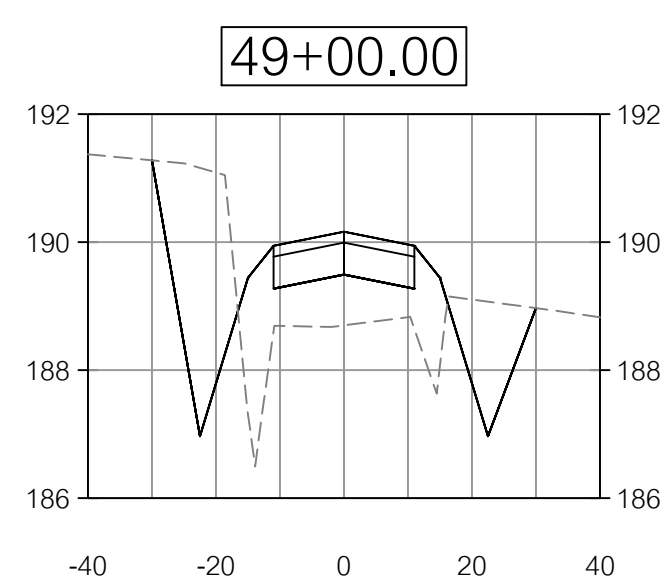
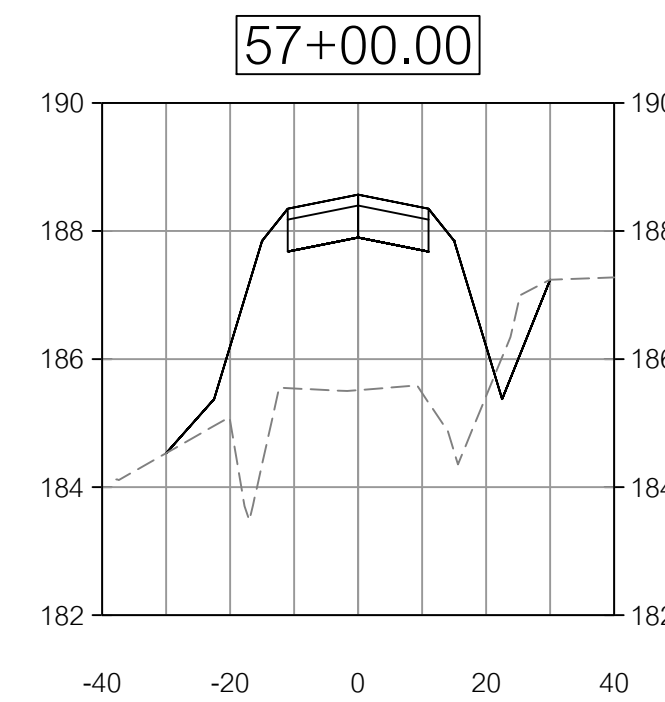
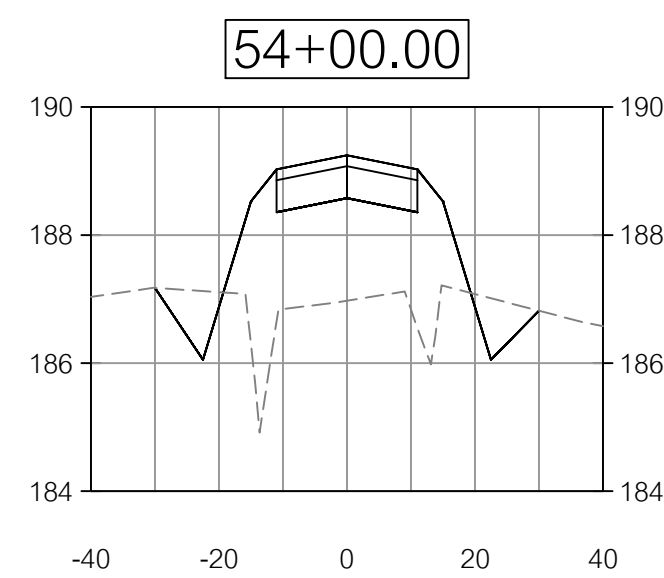
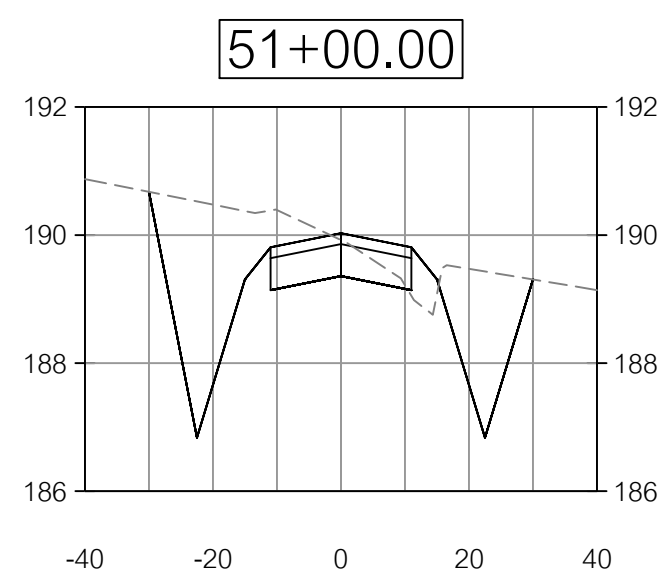
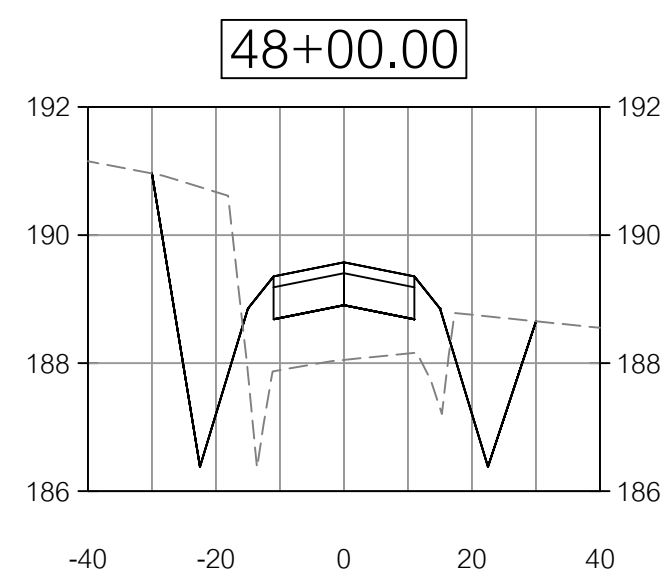
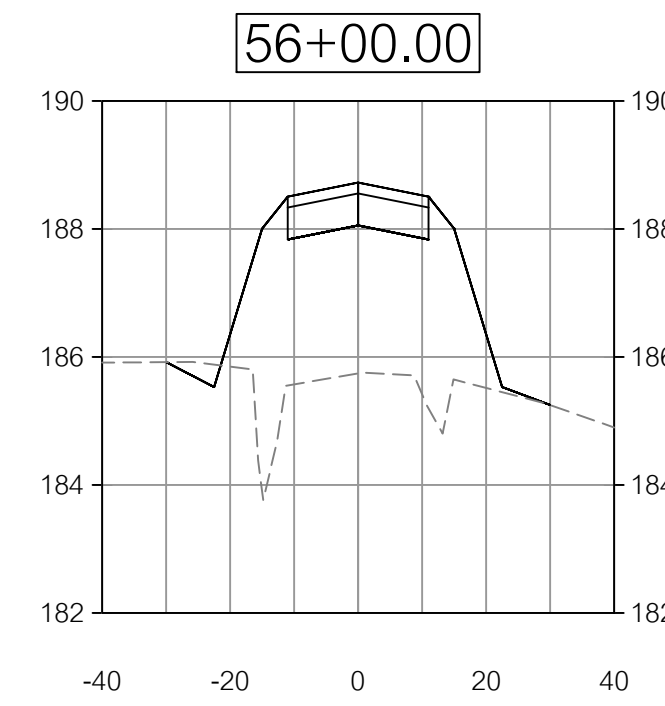
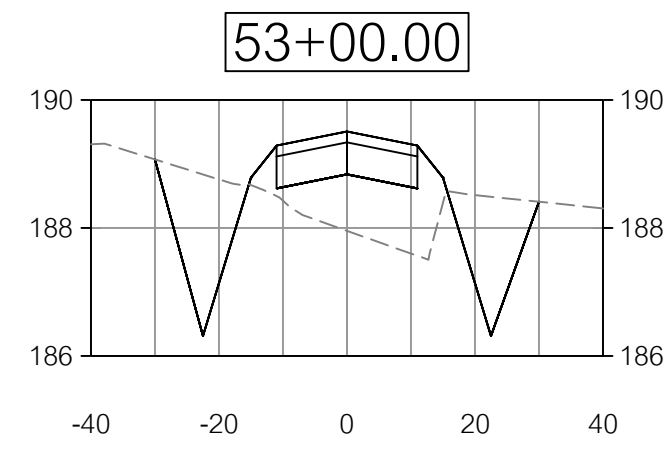
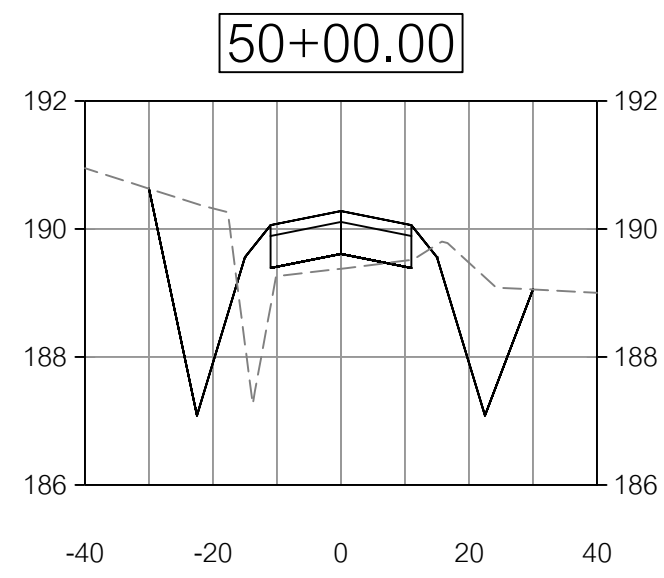
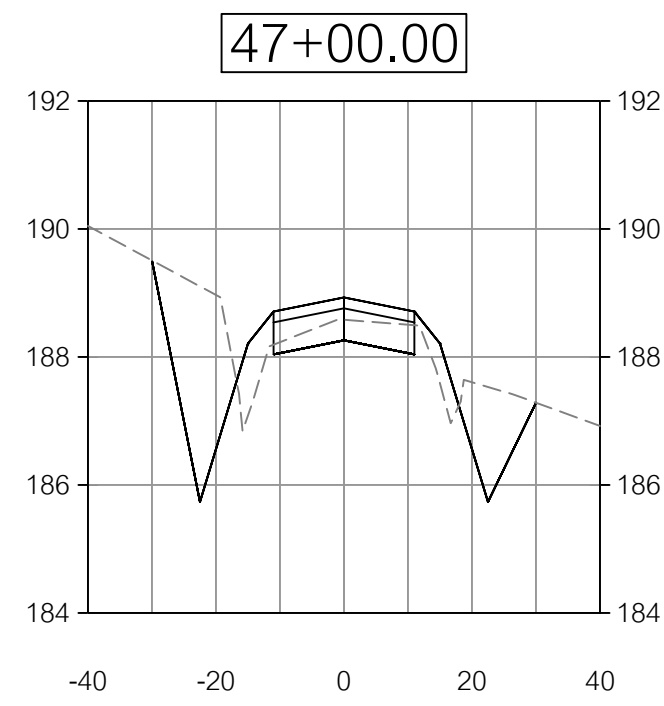


DATE:
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 B. KENT

SHEET
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PROJECT NUMBER
 1669

HORZ. SCALE 1"=30'
 VERT. SCALE 1"=3'
CROSS SECTIONS 3



DATE	REVISIONS PER COUNTY COMMENTS
06/24/2023	REVISIONS PER COUNTY COMMENTS
06/29/2023	REVISIONS PER COUNTY COMMENTS
07/03/2023	REVISIONS PER COUNTY COMMENTS
07/14/2023	REVISIONS PER COUNTY COMMENTS

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LOWNDES COUNTY, GEORGIA
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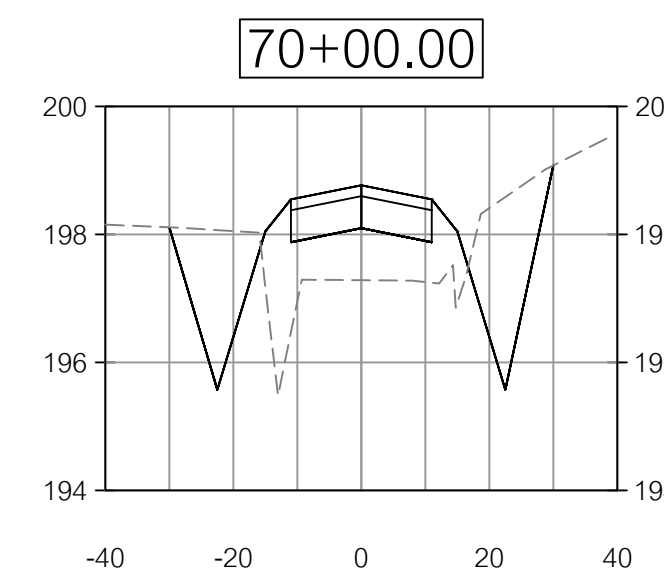
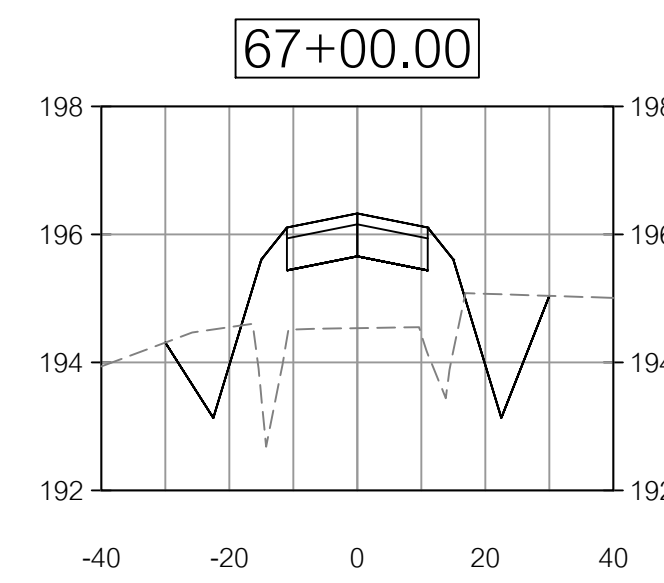
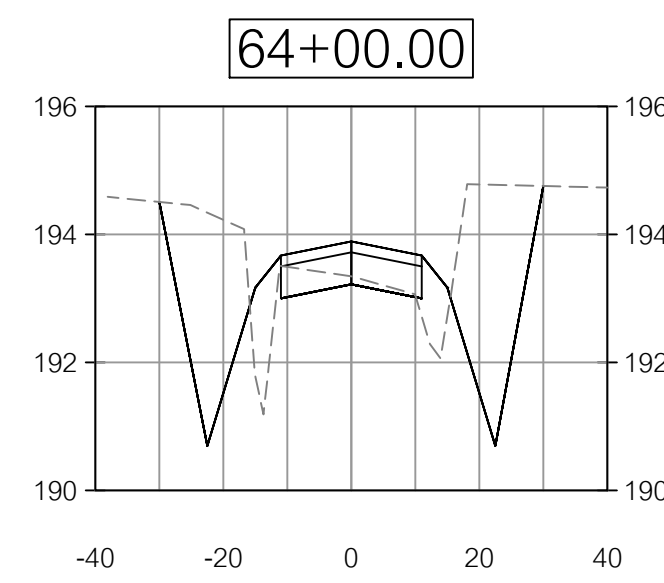
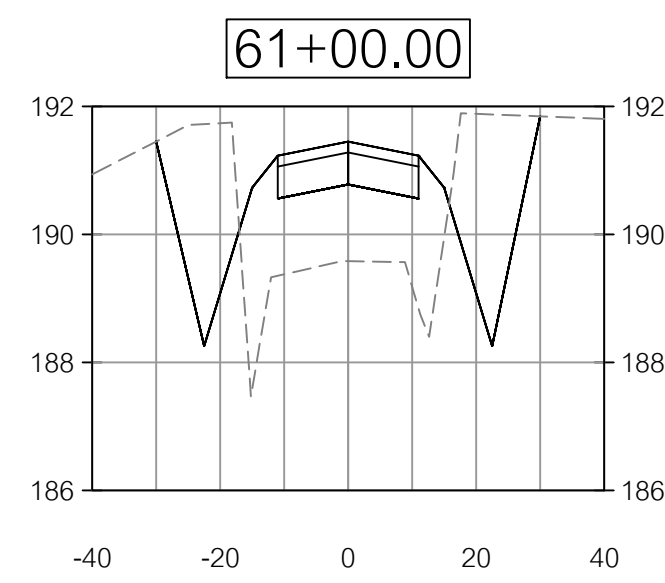
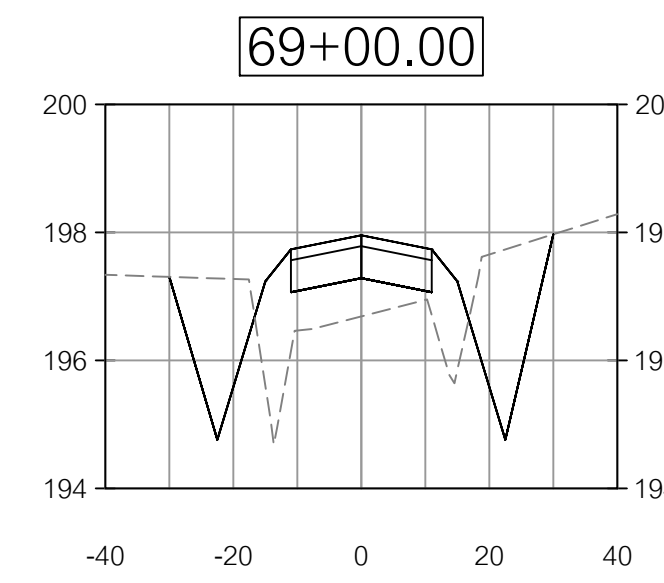
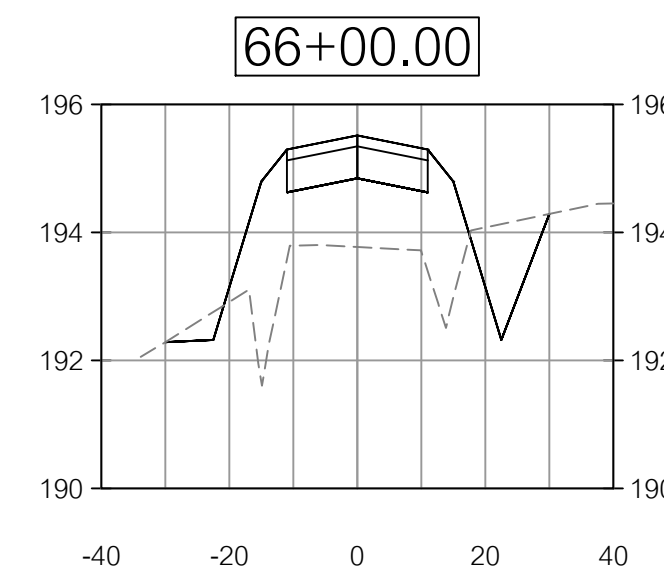
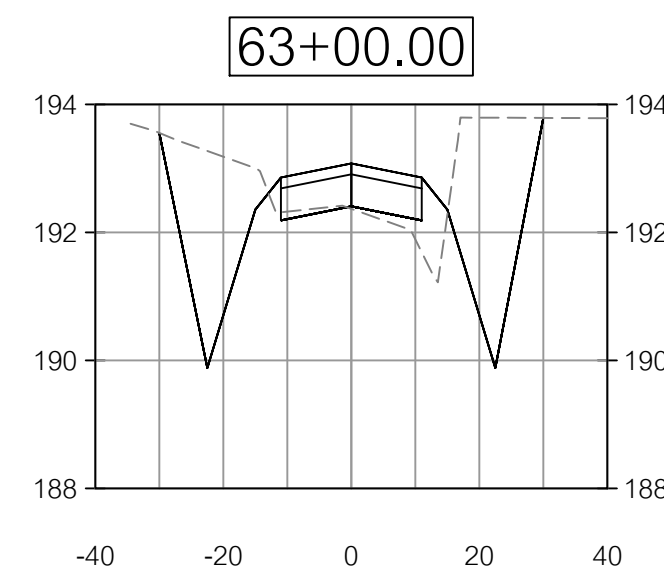
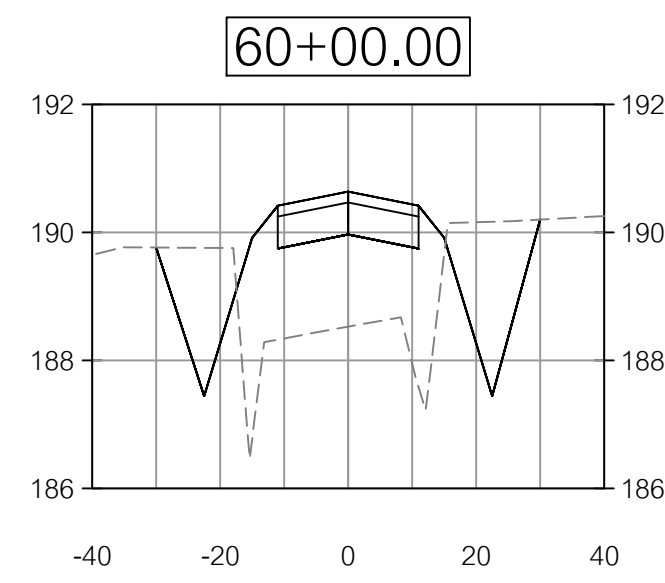
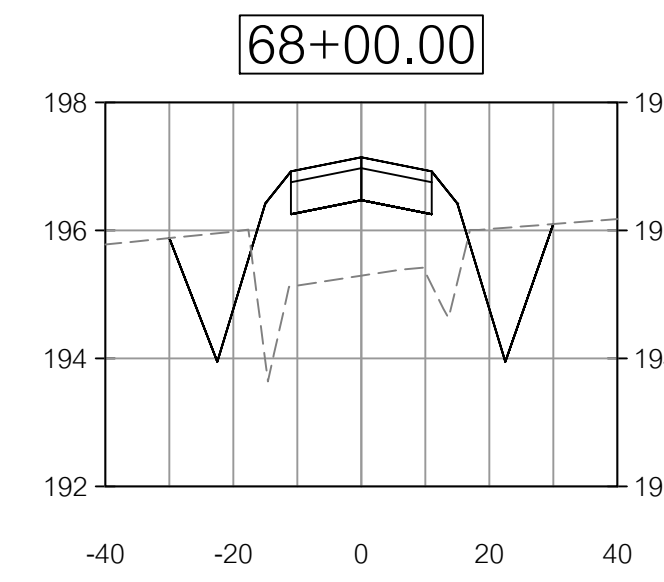
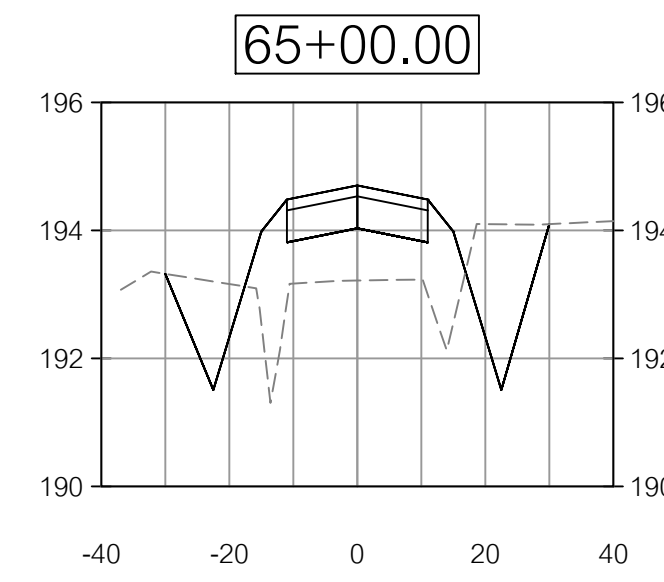
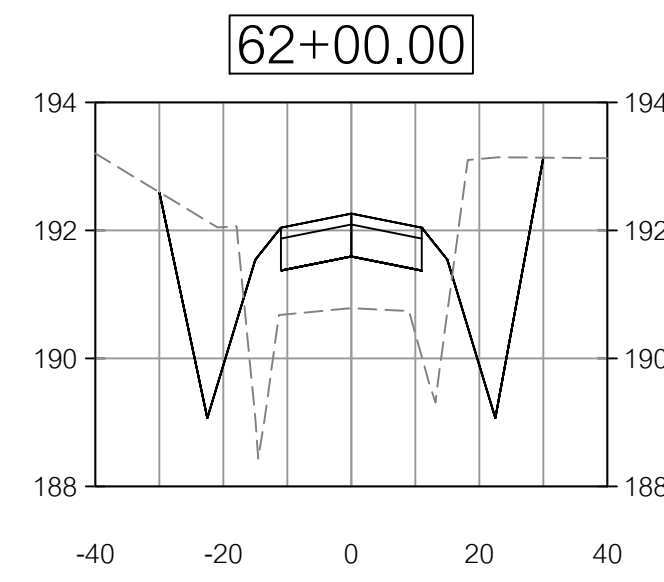
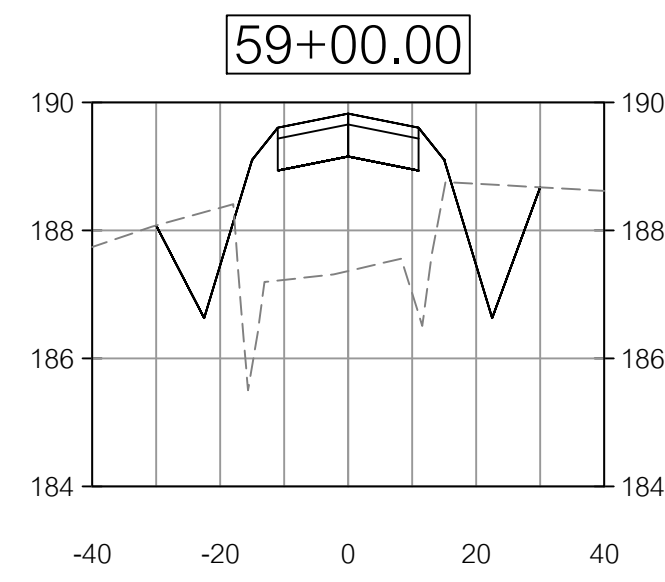


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PROJECT NUMBER
1669

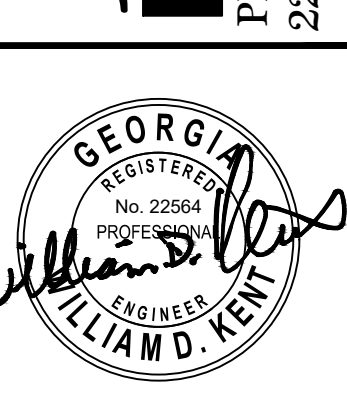
HORZ. SCALE 1"=30'
VERT. SCALE 1"=3'
CROSS SECTIONS 4



DATE	REVISIONS
06/24/2023	REVISIONS PER COUNTY COMMENTS
06/30/2023	REVISIONS PER COUNTY COMMENTS
07/05/2023	REVISIONS PER COUNTY COMMENTS
07/14/2023	REVISIONS PER COUNTY COMMENTS

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 LOWNDES COUNTY, GEORGIA
 L.L. 20, 21, 24, 25, & 26 OF THE 16TH L.D.
 & L.L. 70 & 71 OF THE 11TH L.D.

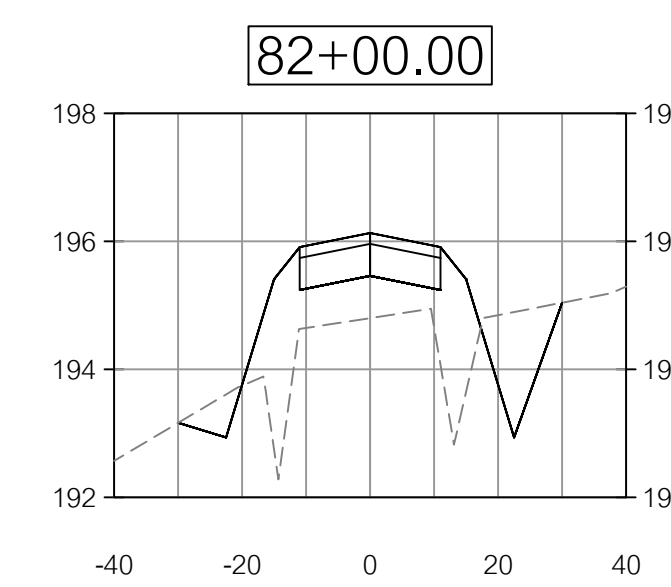
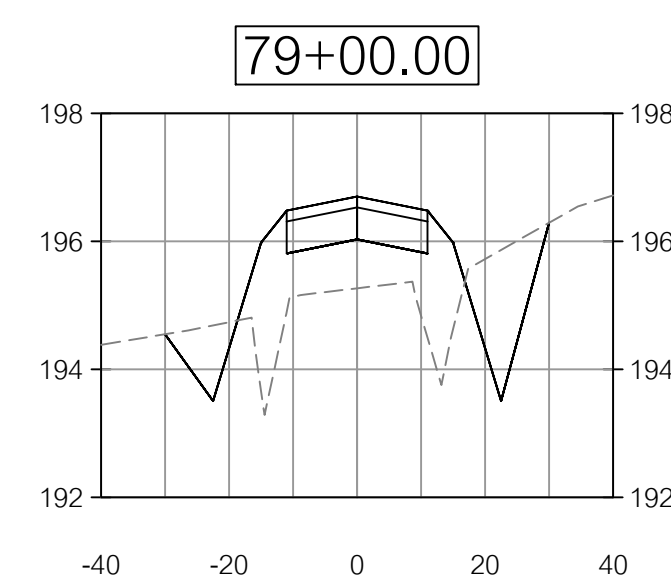
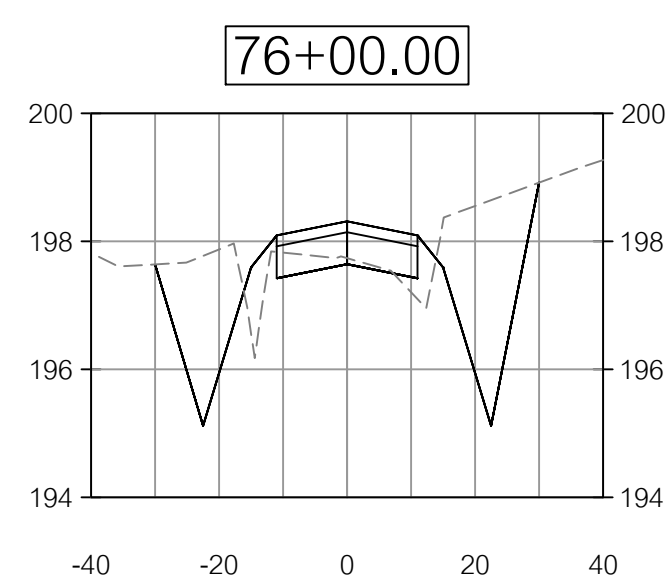
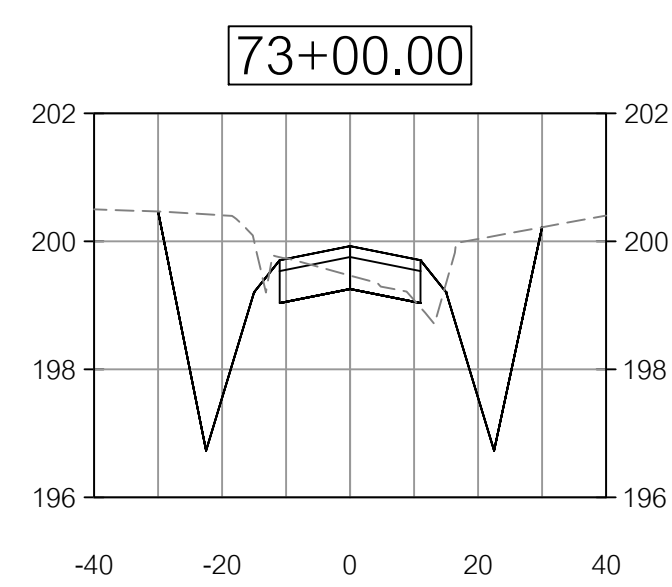
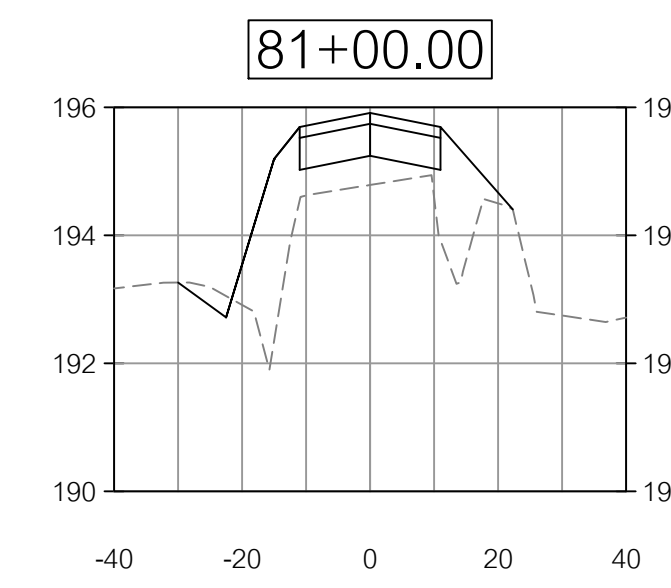
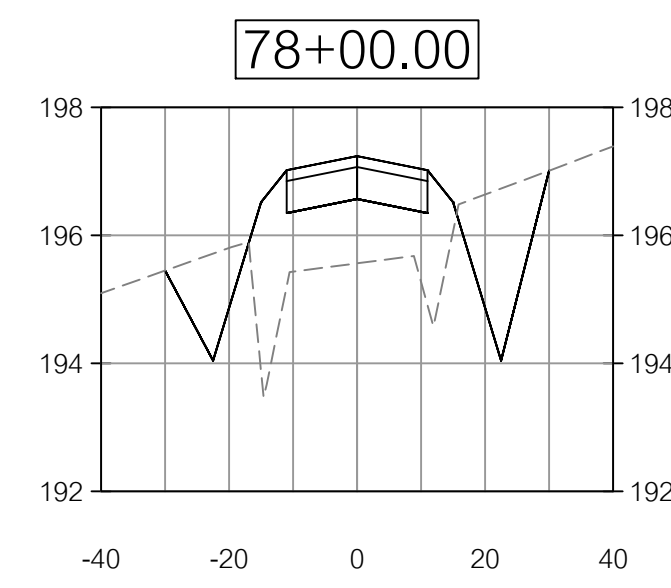
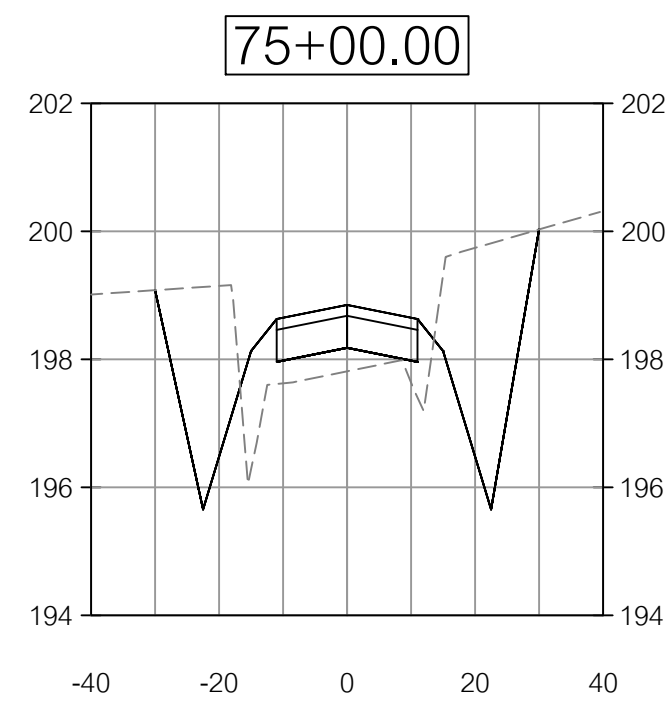
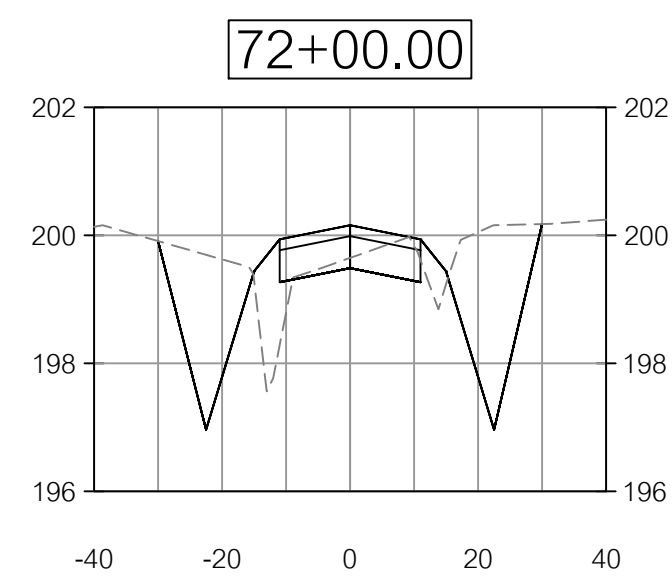
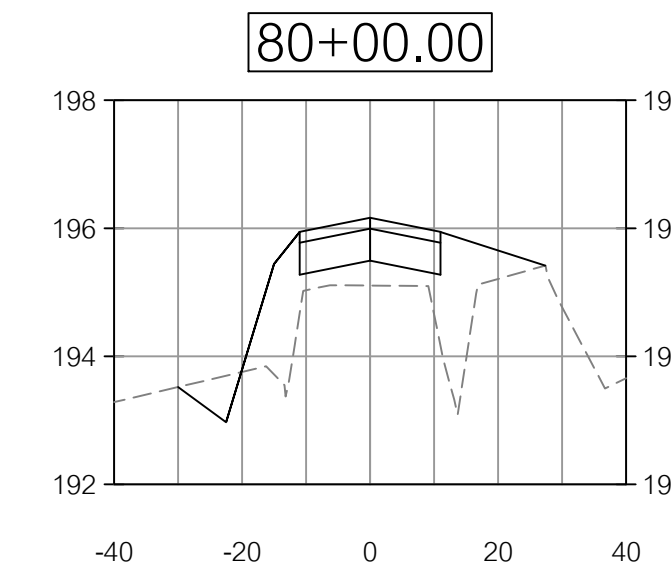
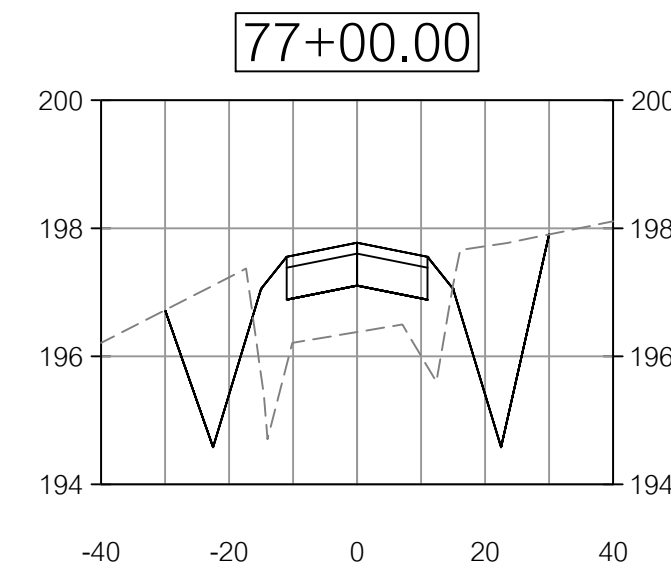
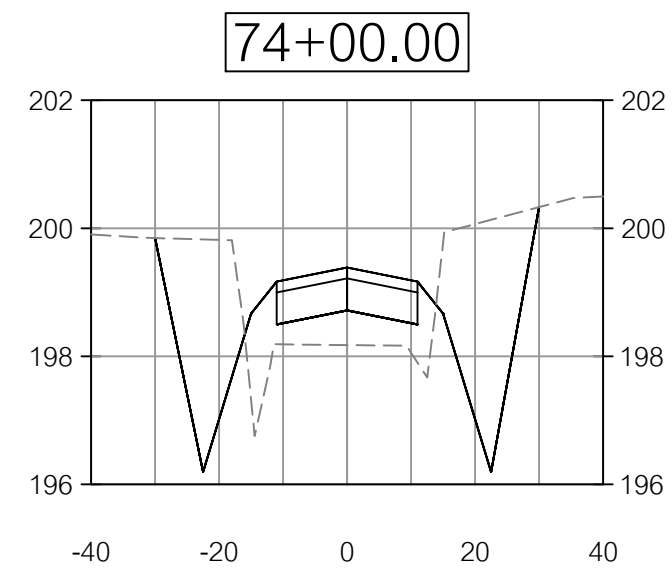
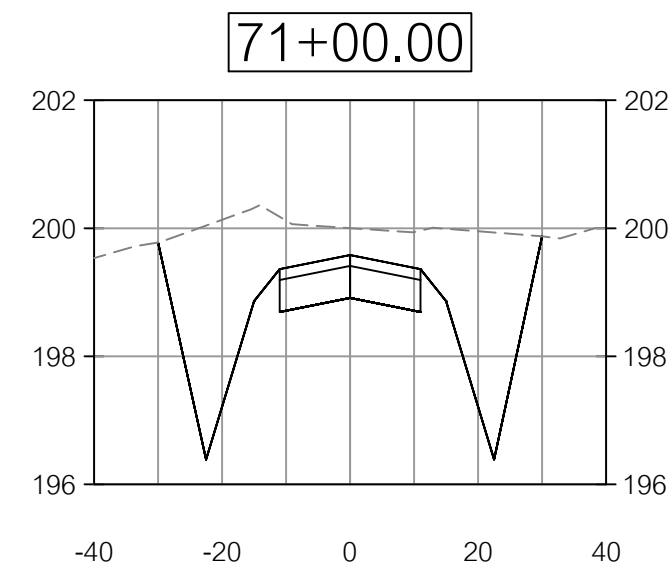


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 CHECKED BY:
 B. KENT

SHEET
21 OF 47

PROJECT NUMBER
1669

HORZ. SCALE 1"=30'
 VERT. SCALE 1"=3'
CROSS SECTIONS 5



HORZ. SCALE 1"=30
 VERT. SCALE 1"=3'
CROSS SECTIONS 6

DATE	REVISIONS PER COUNTY COMMENTS
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03/30/2023	REVISIONS PER COUNTY COMMENTS
07/10/2023	REVISIONS PER COUNTY COMMENTS
07/14/2023	REVISIONS PER COUNTY COMMENTS

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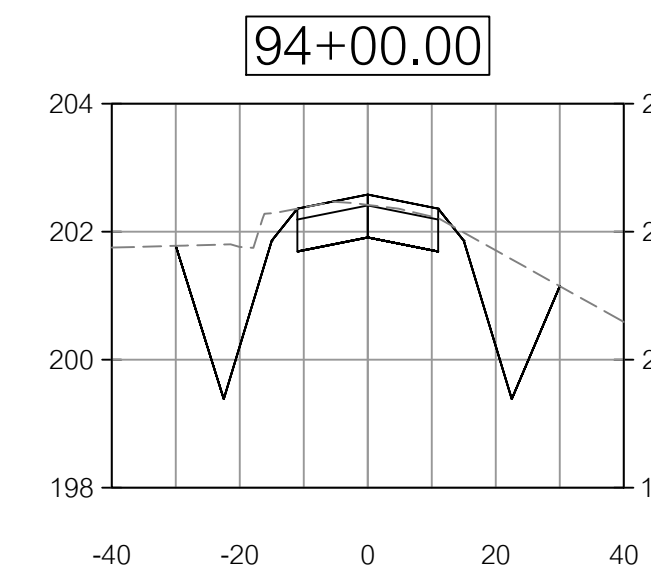
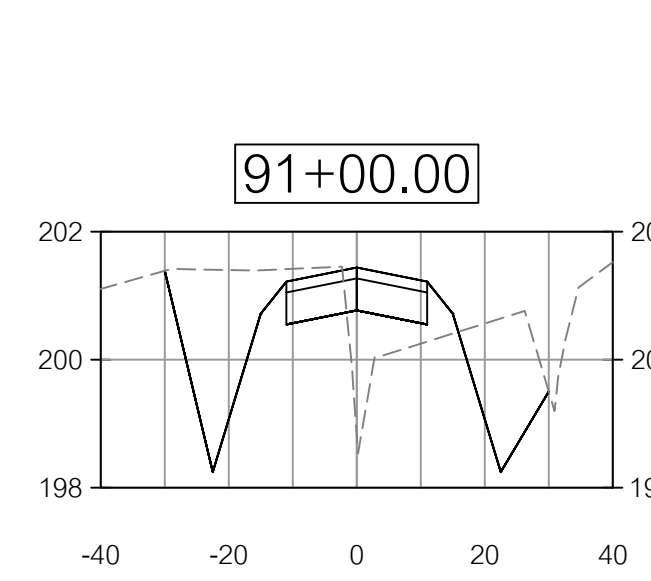
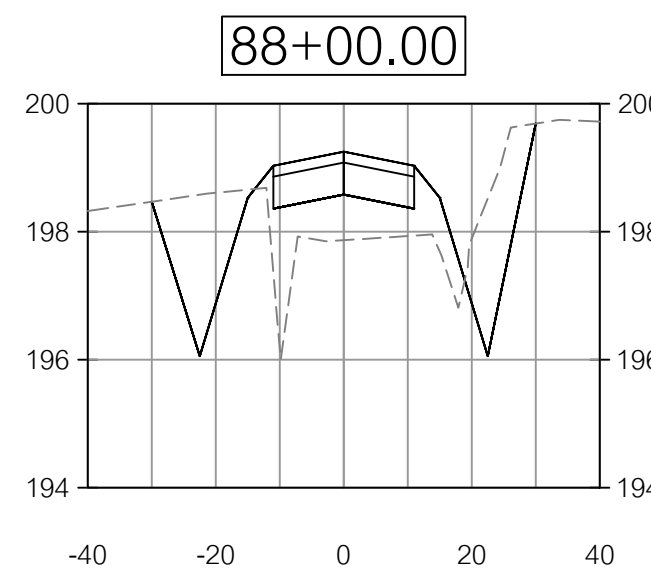
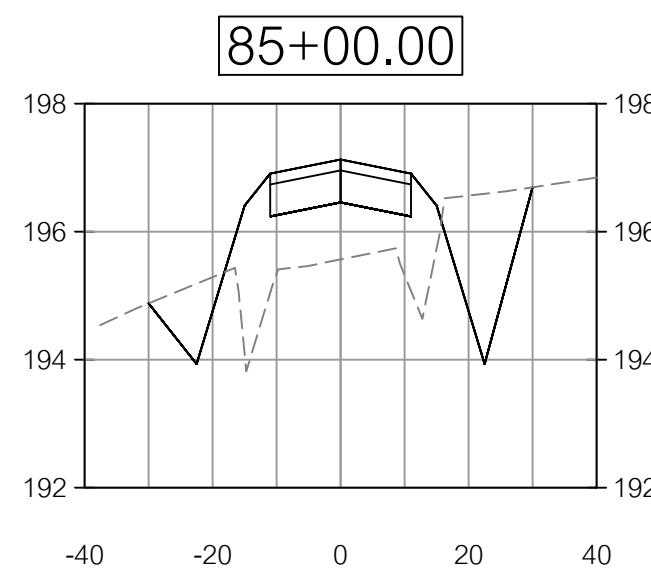
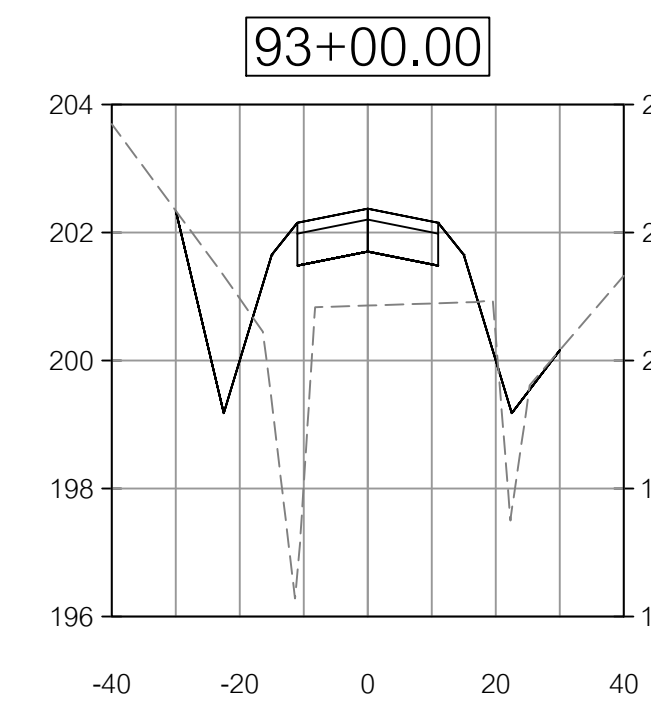
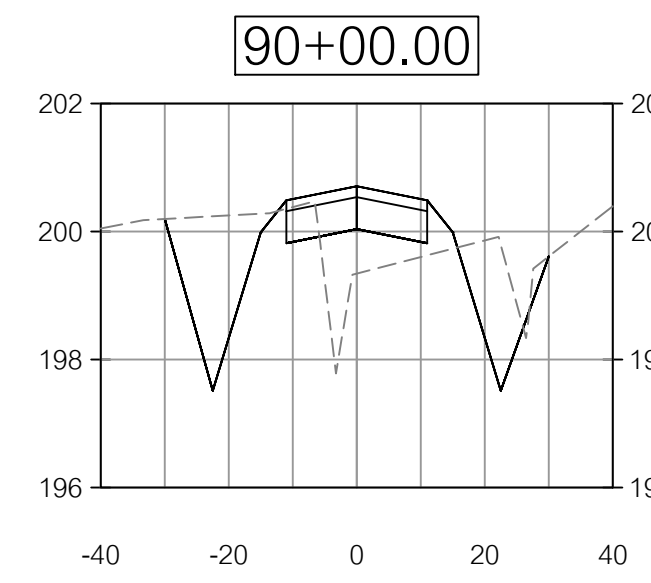
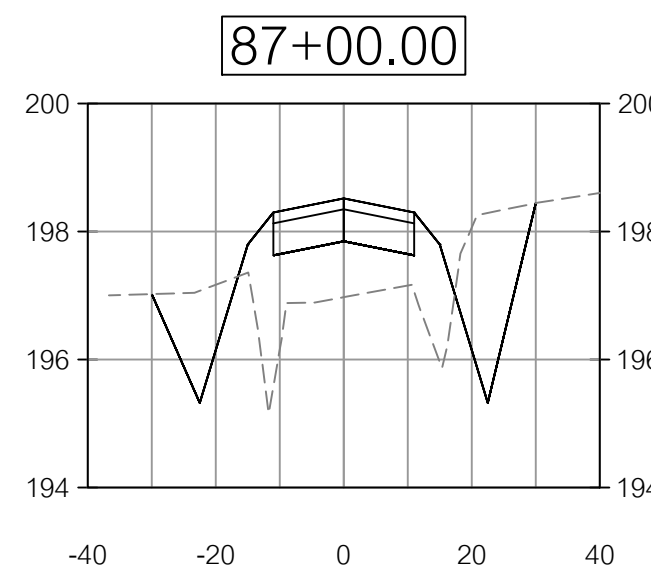
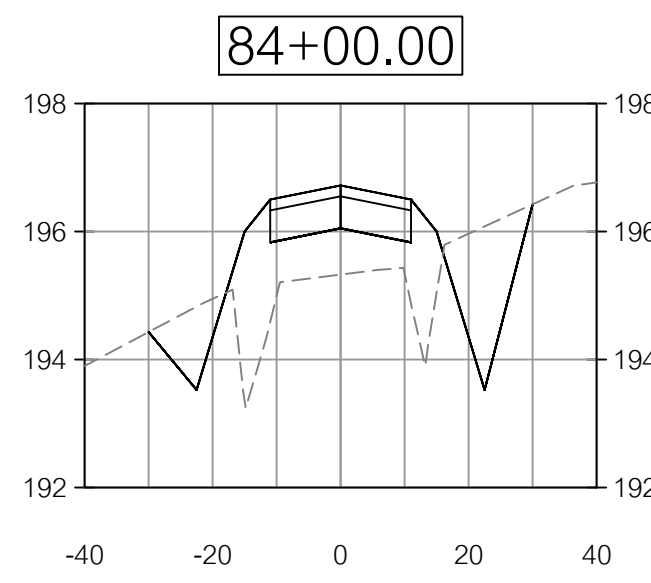
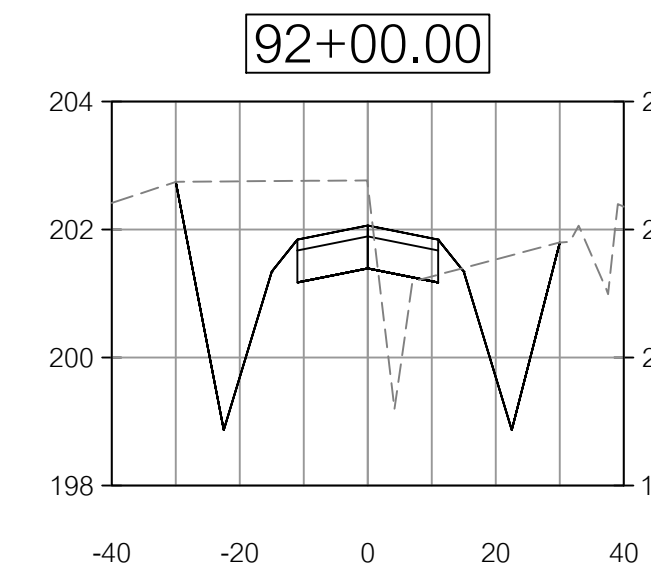
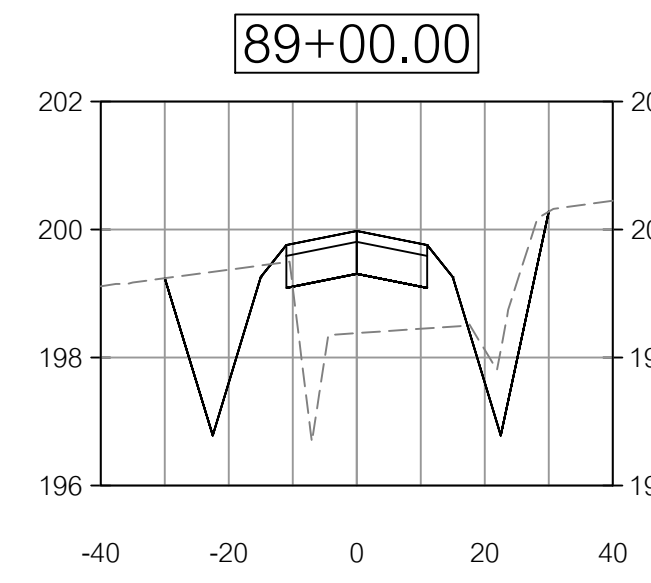
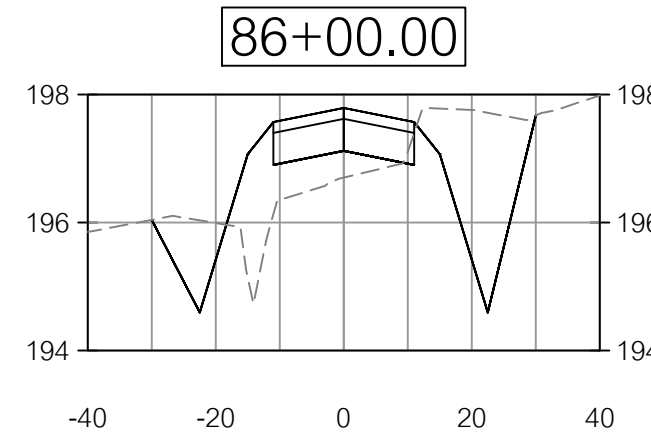
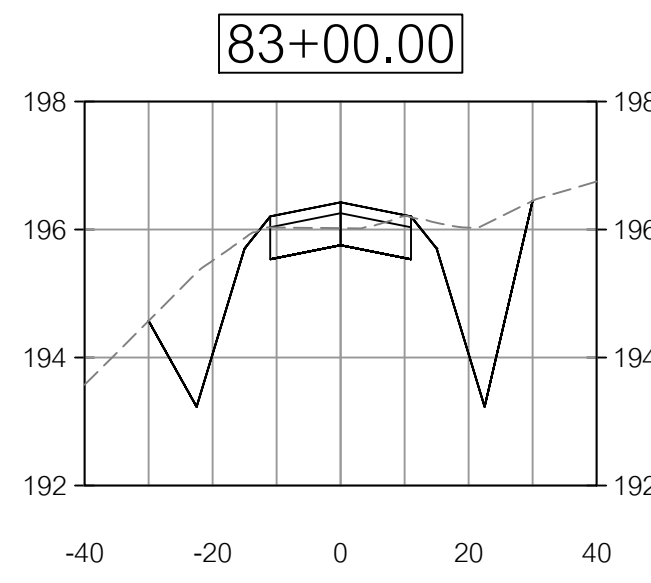
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SHEET
22 OF 47

PROJECT NUMBER
1669



HORZ. SCALE 1"=30
 VERT. SCALE 1"=3'
CROSS SECTIONS 7

DATE	REVISIONS
02/24/2023	REVISIONS PER COUNTY COMMENTS
03/30/2023	REVISIONS PER COUNTY COMMENTS
07/01/2023	REVISIONS PER COUNTY COMMENTS
07/14/2023	REVISIONS PER COUNTY COMMENTS

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PROJECT NUMBER
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Total Volume Table					
Station	Fill Volume (Cu.Yd.)	Cut Volume (Cu.Yd.)	Cumulative Fill Vol (Cu.Yd.)	Cumulative Cut Vol (Cu.Yd.)	Net Volume (Cu.Yd.)
11+00.00	0.00	0.00	0.00	0.00	0.00
12+00.00	85.64	242.62	85.64	242.62	156.97
13+00.00	97.47	185.38	183.11	428.00	244.89
14+00.00	67.25	159.64	250.36	587.65	337.29
15+00.00	69.81	136.65	320.17	724.29	404.12
16+00.00	75.24	117.29	395.41	841.58	446.17
17+00.00	61.46	127.21	456.87	968.79	511.92
18+00.00	38.63	148.09	495.50	1116.88	621.38
19+00.00	26.55	166.41	522.05	1283.29	761.25
20+00.00	13.15	252.68	535.19	1535.97	1000.78
21+00.00	1.73	358.30	536.92	1894.27	1357.35
22+00.00	1.08	381.36	538.00	2275.63	1737.63
23+00.00	28.35	289.14	566.36	2564.78	1998.42
24+00.00	74.33	156.14	640.69	2720.91	2080.23
25+00.00	171.31	71.69	812.00	2792.60	1980.61
26+00.00	367.76	62.15	1179.76	2854.75	1674.99
27+00.00	471.68	113.24	1651.44	2967.99	1316.55
28+00.00	439.66	169.41	2091.10	3137.41	1046.31
29+00.00	385.26	171.15	2476.36	3308.55	832.19
30+00.00	314.94	93.57	2791.30	3402.12	610.83

Total Volume Table					
Station	Fill Volume (Cu.Yd.)	Cut Volume (Cu.Yd.)	Cumulative Fill Vol (Cu.Yd.)	Cumulative Cut Vol (Cu.Yd.)	Net Volume (Cu.Yd.)
71+00.00	60.12	242.70	11759.68	7502.92	-4256.76
72+00.00	20.71	262.28	11780.39	7765.20	-4015.19
73+00.00	22.48	209.95	11802.87	7975.15	-3827.72
74+00.00	50.77	234.28	11853.64	8209.43	-3644.22
75+00.00	82.69	237.13	11936.34	8446.56	-3489.77
76+00.00	53.14	211.95	11989.48	8658.51	-3330.96
77+00.00	77.09	176.21	12066.57	8834.72	-3231.84
78+00.00	144.75	140.61	12211.31	8975.33	-3235.99
79+00.00	159.98	99.03	12371.29	9074.35	-3296.94
80+00.00	139.32	81.34	12510.61	9155.69	-3354.92
81+00.00	145.80	57.31	12656.41	9213.00	-3443.42
82+00.00	163.35	47.80	12819.76	9260.80	-3558.97
83+00.00	84.94	107.86	12904.71	9368.66	-3536.05
84+00.00	69.27	126.37	12973.98	9495.03	-3478.95
85+00.00	149.16	99.35	13123.13	9594.37	-3528.76
86+00.00	120.77	121.01	13243.90	9715.38	-3528.51
87+00.00	108.13	129.33	13352.03	9844.71	-3507.32
88+00.00	116.89	124.90	13468.92	9969.61	-3499.31
89+00.00	103.01	123.28	13571.93	10092.89	-3479.04
90+00.00	87.67	129.28	13659.60	10222.17	-3437.43

Total Volume Table					
Station	Fill Volume (Cu.Yd.)	Cut Volume (Cu.Yd.)	Cumulative Fill Vol (Cu.Yd.)	Cumulative Cut Vol (Cu.Yd.)	Net Volume (Cu.Yd.)
31+00.00	186.67	67.80	2977.97	3469.93	491.96
32+00.00	113.91	84.50	3091.87	3554.43	462.55
33+00.00	108.39	113.44	3200.27	3667.86	467.60
34+00.00	109.14	127.81	3309.41	3795.67	486.27
35+00.00	159.53	98.54	3468.94	3894.22	425.28
36+00.00	214.15	69.16	3683.09	3963.38	280.29
37+00.00	268.42	37.62	3951.51	4001.00	49.49
38+00.00	307.14	21.37	4258.65	4022.37	-236.28
39+00.00	401.80	9.13	4660.45	4031.50	-628.95
40+00.00	534.65	0.00	5195.09	4031.50	-1163.60
41+00.00	567.55	0.00	5762.64	4031.50	-1731.14
42+00.00	539.97	0.00	6302.61	4031.50	-2271.12
43+00.00	529.04	0.00	6831.65	4031.50	-2800.16
44+00.00	508.61	0.00	7340.26	4031.50	-3308.77
45+00.00	441.69	5.77	7781.95	4037.27	-3744.69
46+00.00	197.60	117.29	7979.55	4154.56	-3824.99
47+00.00	13.69	185.15	7993.24	4339.71	-3653.53
48+00.00	74.48	170.50	8067.72	4510.21	-3557.51
49+00.00	127.36	184.10	8195.08	4694.31	-3500.77
50+00.00	91.10	165.88	8286.18	4860.18	-3426.00

Total Volume Table					
Station	Fill Volume (Cu.Yd.)	Cut Volume (Cu.Yd.)	Cumulative Fill Vol (Cu.Yd.)	Cumulative Cut Vol (Cu.Yd.)	Net Volume (Cu.Yd.)
91+00.00	62.69	175.67	13722.28	10397.84	-3324.44
92+00.00	40.08	241.37	13762.36	10639.21	-3123.15
93+00.00	109.77	167.76	13872.13	10806.97	-3065.16
94+00.00	98.92	114.60	13971.05	10921.57	-3049.48

NOTE: ALL VOLUMES ARE UNADJUSTED AND USES THE BOTTOM OF PROPOSED BASE AS THE COMPARISON DATUM.

Total Volume Table					
Station	Fill Volume (Cu.Yd.)	Cut Volume (Cu.Yd.)	Cumulative Fill Vol (Cu.Yd.)	Cumulative Cut Vol (Cu.Yd.)	Net Volume (Cu.Yd.)
51+00.00	34.69	205.03	8320.88	5065.21	-3255.66
52+00.00	35.20	211.25	8356.08	5276.46	-3079.62
53+00.00	75.04	147.72	8431.12	5424.18	-3006.94
54+00.00	165.74	82.94	8596.86	5507.12	-3089.74
55+00.00	273.34	27.47	8870.20	5534.59	-3335.61
56+00.00	337.13	10.31	9207.33	5544.90	-3662.43
57+00.00	377.62	11.38	9584.95	5556.28	-4028.68
58+00.00	321.52	22.66	9906.47	5578.94	-4327.54
59+00.00	242.72	60.79	10149.20	5639.72	-4509.47
60+00.00	219.21	115.39	10368.41	5755.12	-4613.29
61+00.00	193.23	171.85	10561.64	5926.97	-4634.67
62+00.00	163.26	205.73	10724.90	6132.70	-4592.20
63+00.00	86.65	216.96	10811.55	6349.67	-4461.89
64+00.00	32.47	232.83	10844.02	6582.49	-4261.53
65+00.00	85.62	171.98	10929.63	6754.48	-4175.16
66+00.00	161.79	78.28	11091.42	6832.76	-4258.67
67+00.00	179.79	64.31	11271.21	6897.07	-4374.14
68+00.00	171.54	91.17	11442.75	6988.23	-4454.52
69+00.00	141.13	124.85	11583.88	7113.08	-4470.80
70+00.00	115.68	147.14	11699.56	7260.22	-4439.34

HORZ. SCALE 1"=30
VERT. SCALE 1"=3'
EARTHWORK VOLUMES

DATE	REVISIONS
02/24/2023	REVISIONS PER COUNTY COMMENTS
03/09/2023	REVISIONS PER COUNTY COMMENTS
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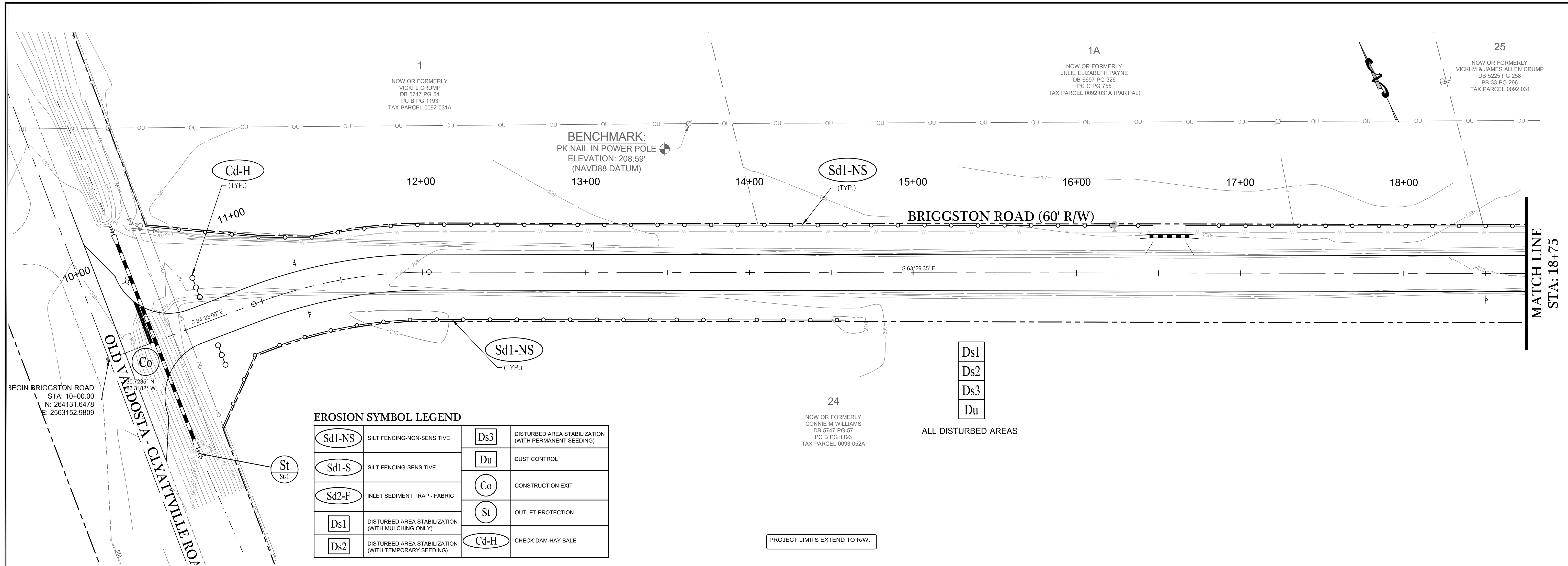
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B. KENT

SHEET
24 OF 47

PROJECT NUMBER
1669



EROSION SYMBOL LEGEND

Sd1-NS	SILT FENCING-NON-SENSITIVE	Ds3	DISTURBED AREA STABILIZATION (WITH PERMANENT SEEDING)
Sd1-S	SILT FENCING-SENSITIVE	Du	DUST CONTROL
Sd2-F	INLET SEDIMENT TRAP - FABRIC	Co	CONSTRUCTION EXIT
Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)	St	OUTLET PROTECTION
Ds2	DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)	Cd-H	CHECK DAM-HAY BALE

BEGIN BRIGGSTON ROAD
STA: 10+00.00
N: 264131.6478
E: 2563152.9809

MATCH LINE
STA: 18+75

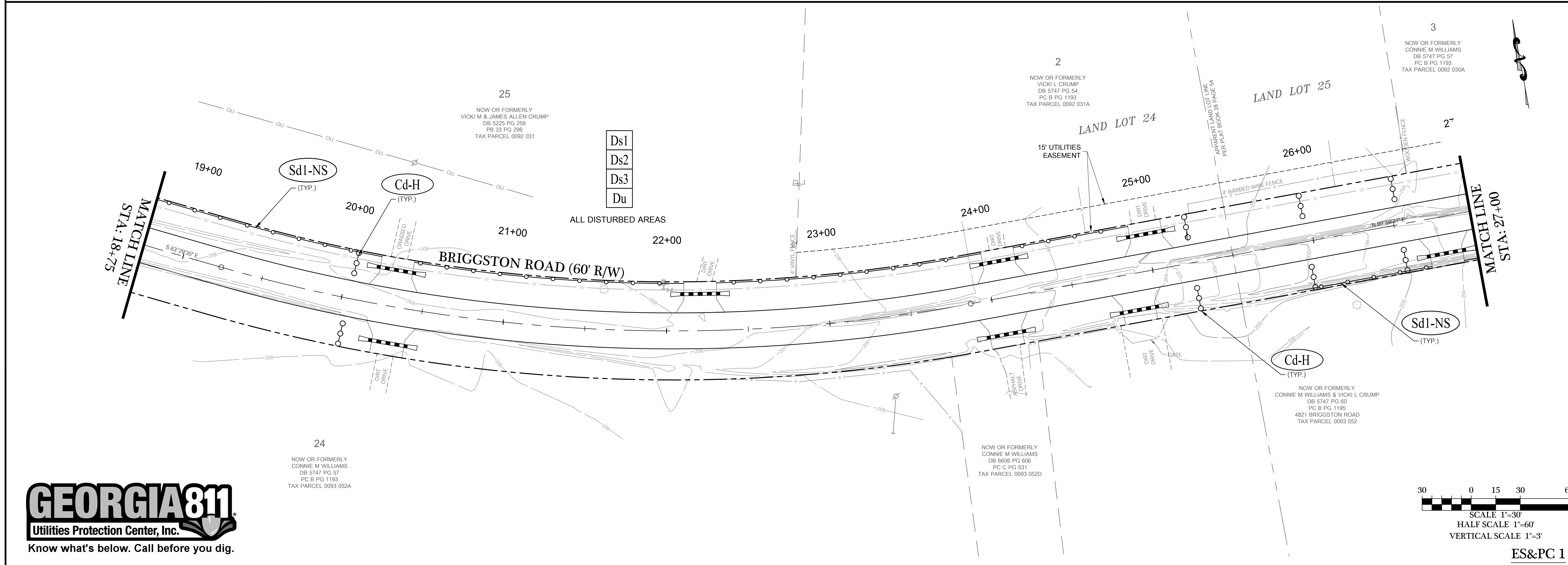
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02/24/2023	REVISIONS PER COUNTY COMMENTS
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02/24/2023	REVISIONS PER COUNTY COMMENTS
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& L.L. 70 & 71 OF THE 11TH L.D.

PROJECT: 1669-LCE Briggston Road Paving Project
DATE: 02/24/2023



EROSION SYMBOL LEGEND

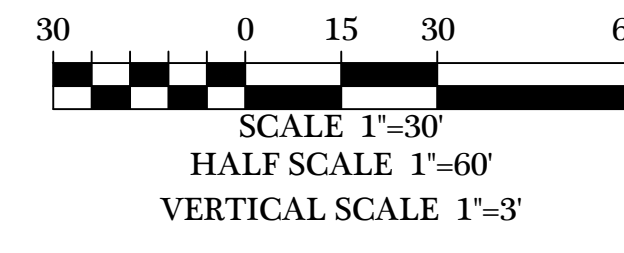
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GEORGIA
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No. 22564
WILLIAM D. KEIT

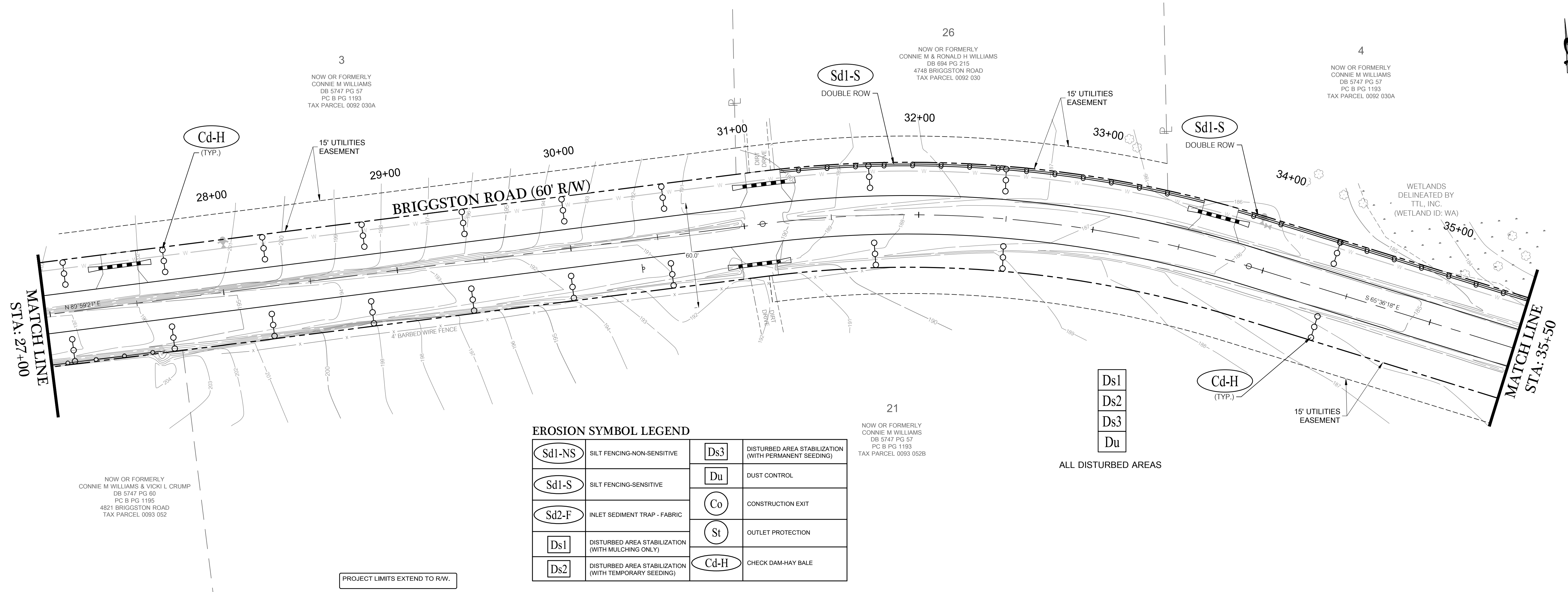
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SHEET
25 OF 47
PROJECT NUMBER
1669



ES&PC 1

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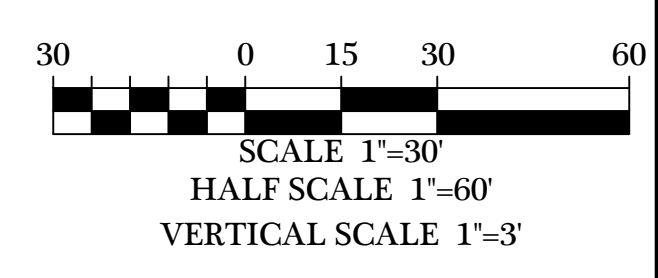
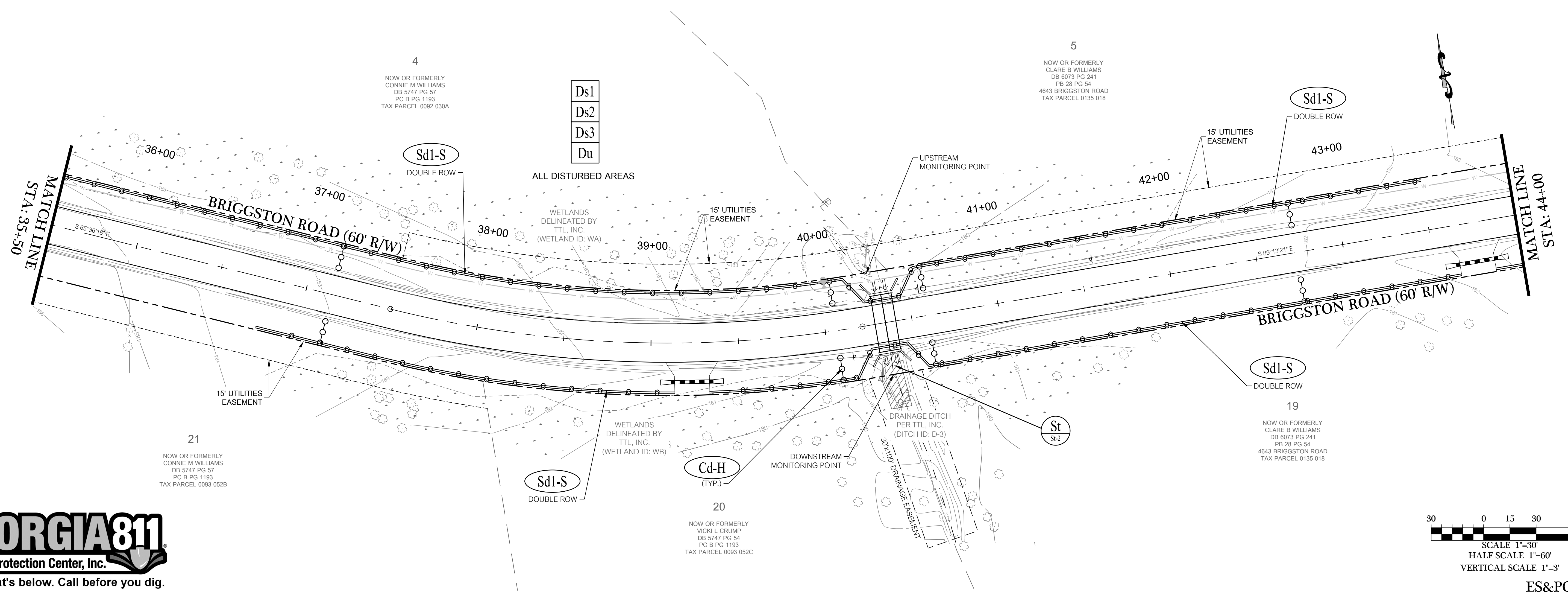
EROSION SYMBOL LEGEND

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Ds1
Ds2
Ds3
Du

ALL DISTURBED AREAS

PROJECT LIMITS EXTEND TO R/W.



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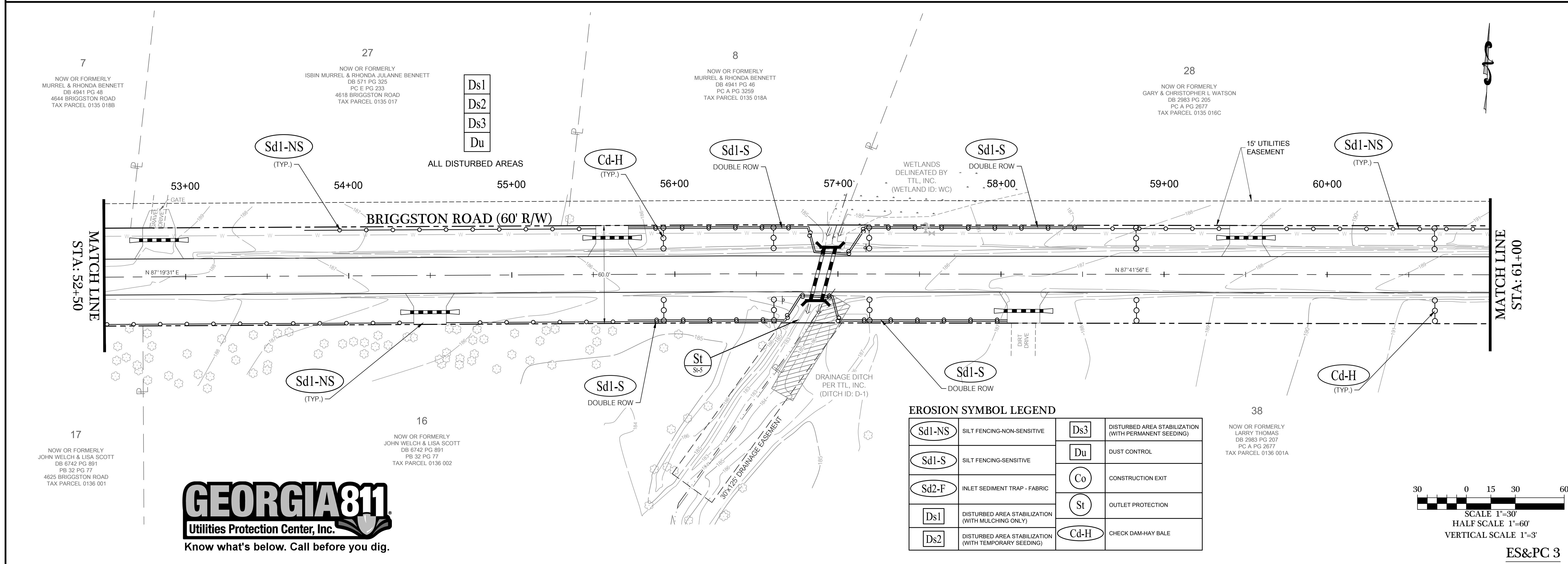
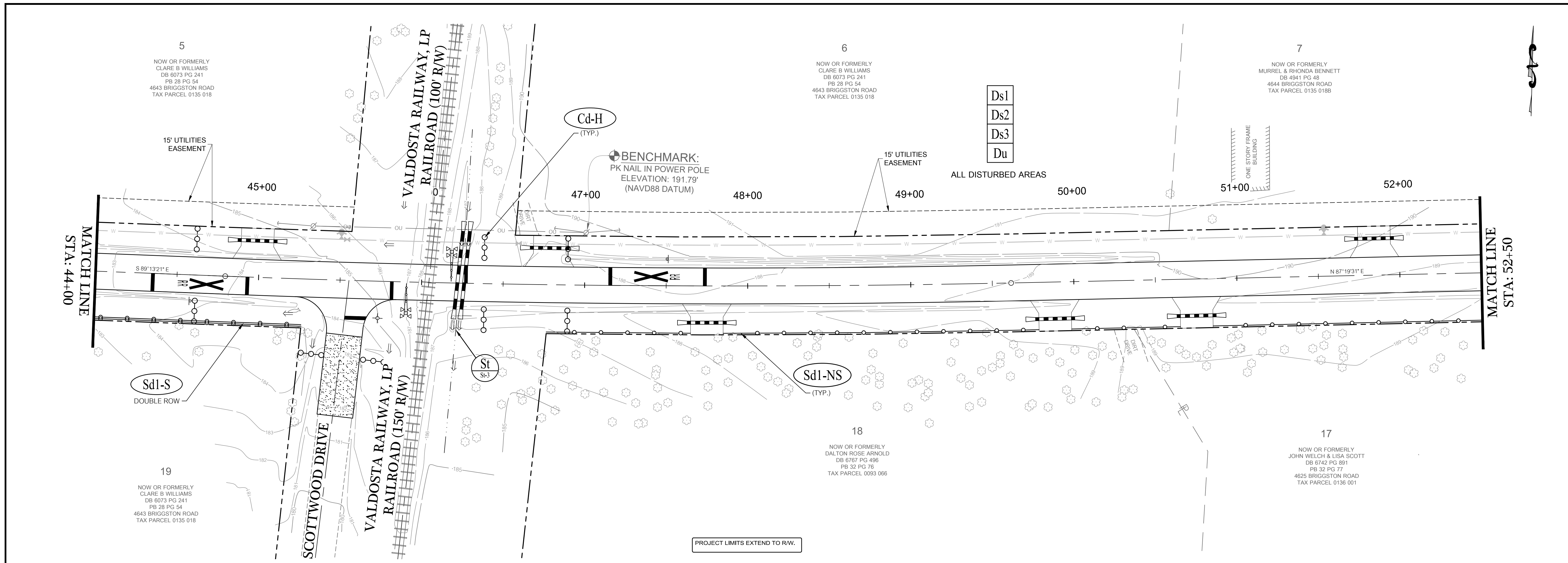
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GEORGIA REGISTERED
No. 22564
PROFESSIONAL ENGINEER
WILLIAM D. KENT
LEVEL II CERT. 8141

DATE: 09/14/2022
DRAWN BY: M. WILSON
CHECKED BY: B. KENT

SHEET **26 OF 47**
PROJECT NUMBER **1669**

ES&PC 2



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DATE	REVISIONS PER COUNTY COMMENTS
06/24/2023	REVISIONS PER COUNTY COMMENTS
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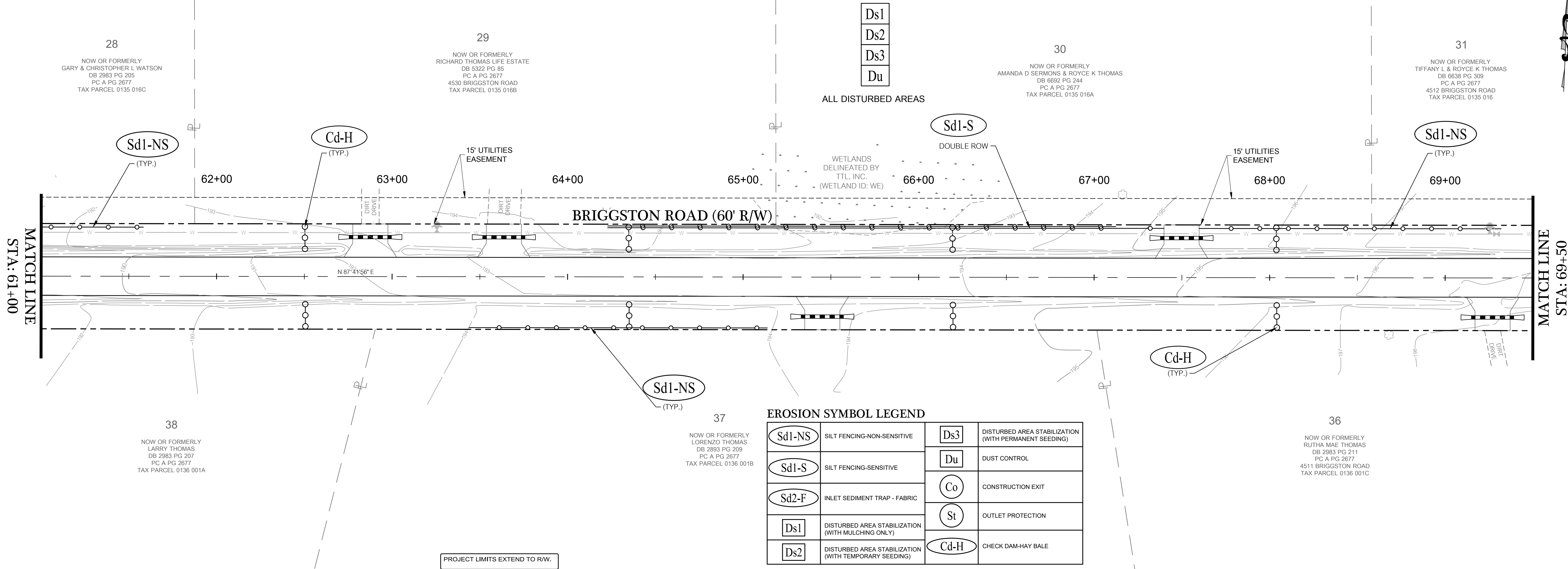
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SHEET 27 OF 47

PROJECT NUMBER 1669

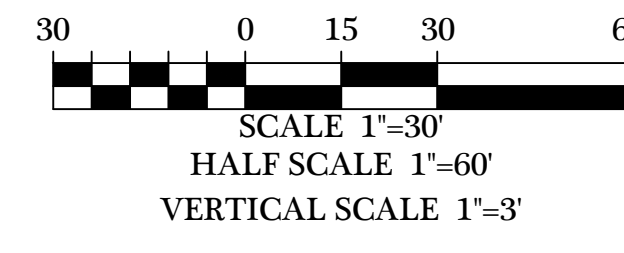
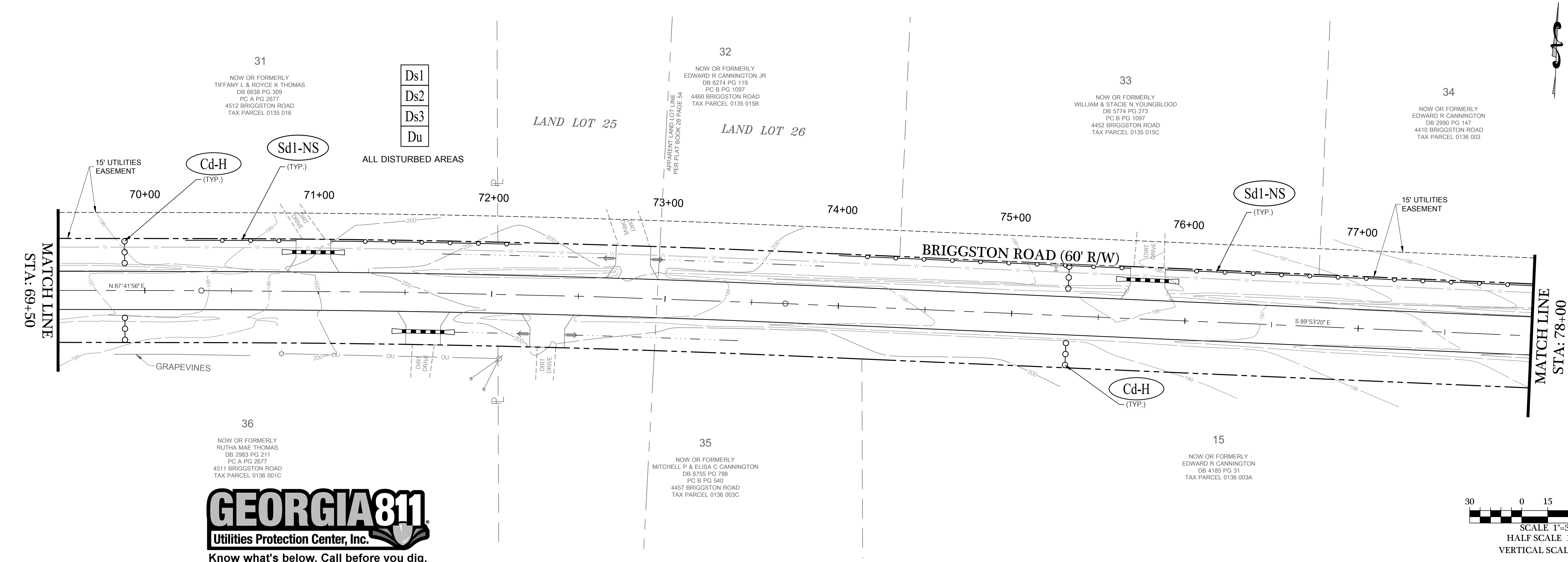
ES&PC 3



EROSION SYMBOL LEGEND

Sd1-NS	SILT FENCING-NON-SENSITIVE	Ds3	DISTURBED AREA STABILIZATION (WITH PERMANENT SEEDING)
Sd1-S	SILT FENCING-SENSITIVE	Du	DUST CONTROL
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Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)	St	OUTLET PROTECTION
Ds2	DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)	Cd-H	CHECK DAM-HAY BALE

PROJECT LIMITS EXTEND TO R/W.



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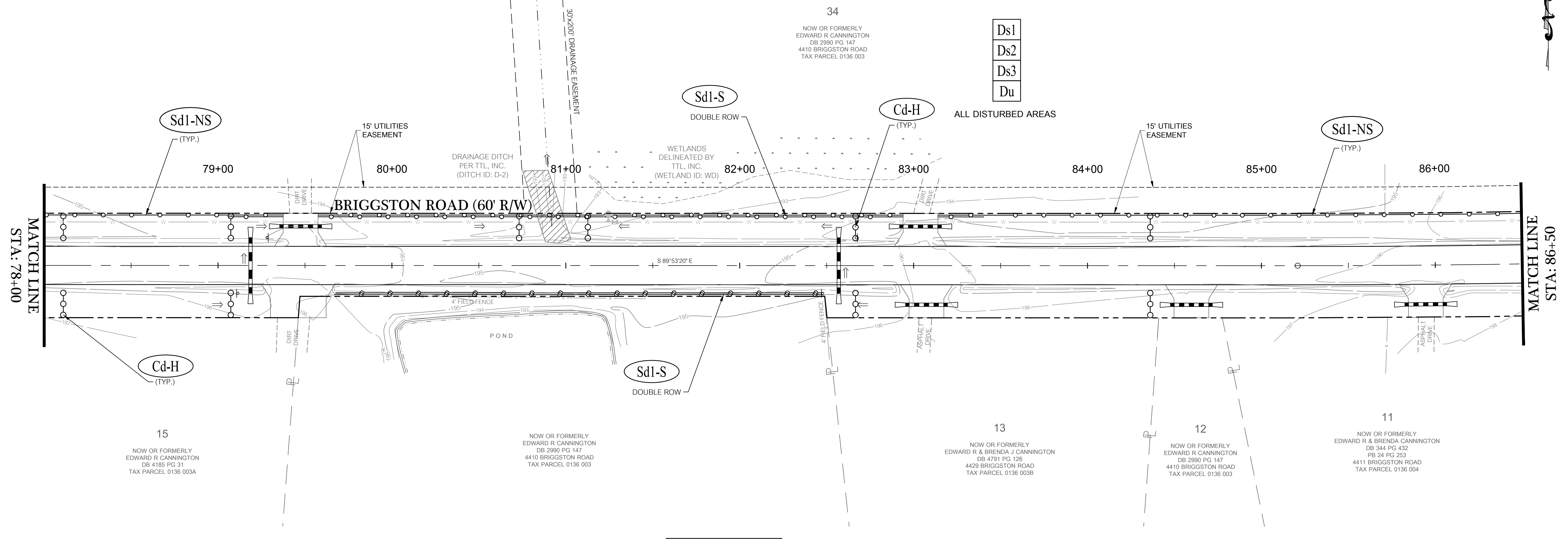
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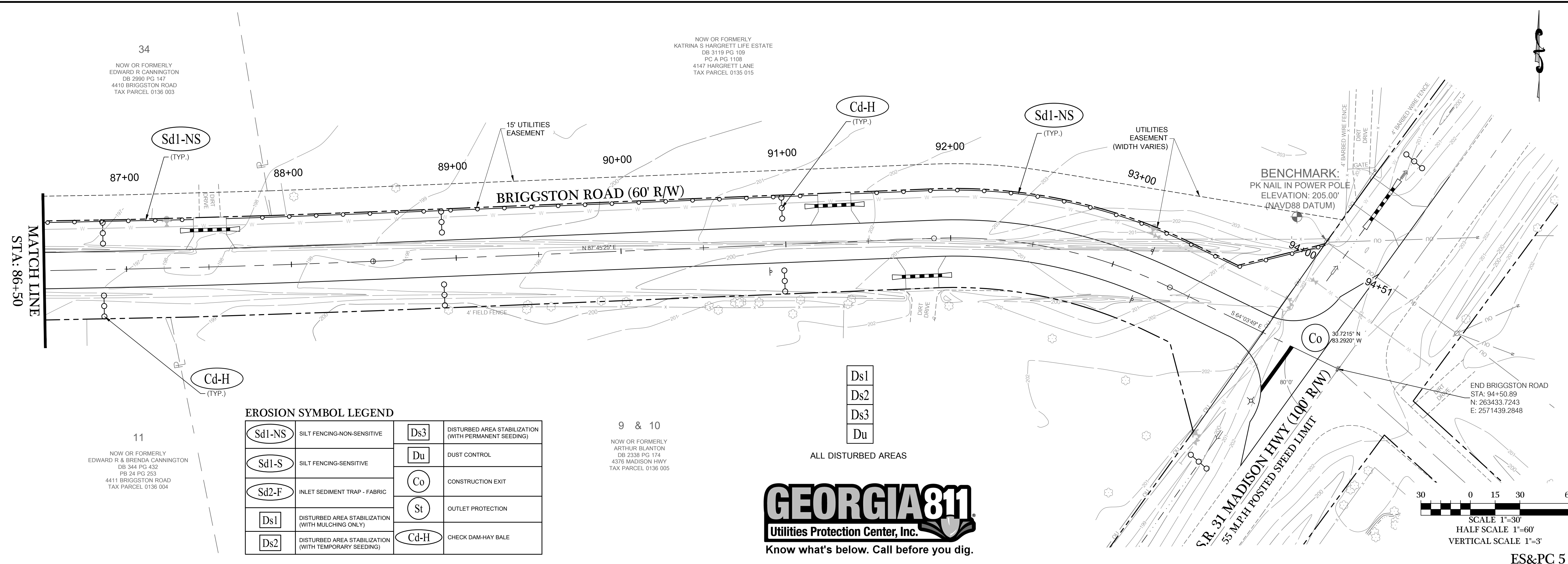
GEORGIA REGISTERED ENGINEER
 No. 22564
 WILLIAM D. KENT
 LEVEL II CERT. 8141

DATE: 09/14/2022
 DRAWN BY: M. WILSON
 CHECKED BY: B. KENT
 SHEET 28 OF 47
 PROJECT NUMBER 1669

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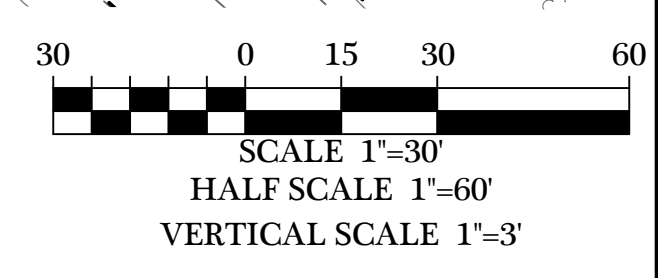


EROSION SYMBOL LEGEND

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DB 2338 PG 174
4378 MADISON HWY
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REGISTERED
No. 22564
PROFESSIONAL
ENGINEER
WILLIAM D. KENT

LEVEL II CERT. 8141

DATE:
09/14/2022
DRAWN BY:
M. WILSON
CHECKED BY:
B. KENT

SHEET
29 OF 47

PROJECT NUMBER
1669

Ds1 Disturbed Area Stabilization (With MULCHING ONLY)

DEFINITION
A TEMPORARY COVER OF PLANT RESIDUES APPLIED TO THE SOIL SURFACE FOR A PERIOD OF SIX (6) MONTHS OR LESS WHEN SEEDING IS NOT PRACTICAL.

CONDITIONS
THESE AREAS USUALLY CANNOT BE STABILIZED BY ORDINARY CONSERVATION TREATMENT AND MANAGEMENT AND IF LEFT UNTREATED CAN CAUSE SEVERE EROSION SEDIMENT DAMAGE.

SPECIFICATIONS

- INSTALL ALL OTHER REQUIRED BMP'S FIRST.
 - GRADE SITE, IF POSSIBLE, TO PERMIT THE USE OF EQUIPMENT FOR APPLYING AND ANCHORING MULCH.
 - LOOSEN COMPACTED SOIL, IF POSSIBLE, TO A DEPTH OF THREE (3) INCHES.
 - APPLY STRAW OR HAY UNIFORMLY, AS SHOWN IN TABLE 1, BY HAND, AND ANCHOR BY PRESSING INTO SOIL OR USE NETTING.
 - MULCH ON SLOPES GREATER THAN 3% SHOULD BE ANCHORED WITH EMULSIFIED ASPHALT (GRADE A-E OR SS-1) OR OTHER SUITABLE TACKIFIER.
 - WOOD WASTE ON SLOPES FLATTER THAN 3:1 DO NOT NEED ANCHORING.
- B. MAINTENANCE**
- ADD MULCH AS NEEDED TO MAINTAIN THE SUGGESTED DEPTH.
 - IF ORGANIC MULCH IS TO BE LEFT AND INCORPORATED INTO THE SOIL, APPLY 20-30 POUNDS OF NITROGEN IN ADDITION TO THE FERTILIZER REQUIRED FOR VEGETATION.

TABLE 1. MULCHING APPLICATION REQUIREMENTS

MATERIAL	RATE	DEPTH
STRAW OR HAY	2 1/2 TON/ACRE	6" TO 10"
WOOD WASTE, CHIPS, SAWDUST, BARK	6 TO 9 TON/ACRE	2" TO 3"
CUTBACK ASPHALT	1200 GAL./ACRE OR 1/4 GAL./SQ. YD.	-----
POLYETHYLENE FILM	SEE MANUFACTURER'S ANCHORS, WEIGHTS	-----
CUTBACK ASPHALT	SEE MANUFACTURER'S RECOMMENDATIONS	-----
GEOTEXTILES, JUTE MATTING, NETTING, ETC.	SEE MANUFACTURER'S RECOMMENDATIONS	-----

Ds2 Disturbed Area Stabilization (With TEMPORARY VEGETATION)

DEFINITION
ESTABLISH TEMPORARY VEGETATIVE COVER WITH FAST GROWING SEEDINGS ON DISTURBED OR DENuded AREAS.

CONDITIONS
THIS PRACTICE IS APPLICABLE ON AREAS SUBJECT TO EROSION FOR UP TO TWELVE MONTHS OR UNTIL THE ESTABLISHMENT OF FINISHED GRADE OR PERMANENT VEGETATIVE COVER. TEMPORARY VEGETATIVE MEASURES SHOULD BE COORDINATED WITH PERMANENT MEASURES TO ASSURE ECONOMIC AND EFFECTIVE STABILIZATION.

SEEDING RATES FOR TEMPORARY SEEDING

SPECIES	Rate Per 1,000 sq.ft.	Rate Per Acre*	Planting Dates**
Rye	3.9 pounds	3 bu.	9/1-3/1
Ryegrass	0.9 pound	40 lbs.	8/15-4/1
Annual Lespedeza	0.9 pound	40 lbs.	1/15-3/15
Weeping Lovegrass	0.1 pound	4 lbs.	2/15-6/15
Sudangrass	1.4 pounds	60 lbs.	3/1-8/1
Browntop Millet	0.9 pound	40 lbs.	4/1-7/15
Wheat	4.1 pounds	3 bu.	9/15-2/1

* Unusual site conditions may require heavier seeding rates.
** Seeding dates may need to be altered to fit temperature variations and conditions.

SPECIFICATIONS

- A. GRADING AND SHAPING**
- EXCESSIVE WATER RUN-OFF MUST BE CONTROLLED BY PLANNED AND INSTALLED EROSION CONTROL PRACTICES SUCH AS CLOSED DRAINS, DITCHES, DIKES, DIVERSIONS, SEDIMENT BASINS AND OTHERS.
 - NO SHAPING OR GRADING IS REQUIRED IF SLOPES CAN BE STABILIZED BY HAND-SEEDED VEGETATION OR IF HYDRAULIC SEEDING EQUIPMENT IS TO BE USED.
- B. SEEDBED PREPARATION**
- WHEN A HYDRAULIC SEEDER IS USED, SEEDBED PREPARATION IS NOT REQUIRED.
 - WHEN USING CONVENTIONAL OR HAND-SEEDED, SEEDBED PREPARATION IS NOT REQUIRED IF THE SOIL MATERIAL IS LOOSE AND NOT SEALED BY RAINFALL.
 - WHEN SOIL HAS BEEN SEALED BY RAINFALL OR CONSISTS OF SMOOTH UNDISTURBED CUT SLOPES, THE SOIL SHALL BE PITTED, TRENCHED OR OTHERWISE SCARIFIED TO PROVIDE A PLACE FOR SEED TO LODGE AND GERMINATE.
- C. LIME AND FERTILIZER**
- AGRICULTURAL LIME IS NOT REQUIRED.
 - ON REASONABLY FERTILE SOILS OR SOIL MATERIAL, FERTILIZER IS NOT REQUIRED.
 - ON SOILS OR VERY LOW FERTILITY, USE 500 TO 700 POUNDS OF 10-10-10 FERTILIZER OR THE EQUIVALENT PER ACRE (12-18lbs/1,000sq.ft.). IF THE SITE WILL PERMIT, APPLY BEFORE LAND PREPARATION AND DISK, RIP OR CHISEL TO INCORPORATE.
- D. SEEDING**
- SELECT A GRASS OR GRASS-LEGUME MIXTURE SUITABLE TO THE AREA AND SEASON OF THE YEAR.
 - APPLY SEED UNIFORMLY BY HAND, CYCLONE SEEDER, DRILL, CULPACKER-SEEDER, OR HYDRAULIC SEEDER.
- E. MULCHING**
- TEMPORARY VEGETATION CAN, IN MOST CASES, BE ESTABLISHED WITHOUT THE USE OF MULCH.
- F. IRRIGATION**
- IF WATER IS APPLIED, IT MUST BE AT A RATE NOT CAUSING RUNOFF AND EROSION. THOROUGHLY WET THE SOIL TO A DEPTH THAT WILL INSURE GERMINATION OF THE SEED.

- WHEN HYDRAULIC SEEDING EQUIPMENT IS USED.
 - THE INITIAL FERTILIZER WILL BE MIXED WITH SEED, INOCULANT (IF NEEDED) AND WOOD CELLULOSE OR WOOD PULP FIBER MULCH AND APPLIED IN A SLURRY.
 - FINELY GROUND LIMESTONE WILL BE MIXED WITH WATER AND APPLIED IMMEDIATELY AFTER MULCHING.
- SEEDING
 - HYDRAULIC SEEDING - MIX THE SEED, INOCULANT, FERTILIZER, AND WOOD CELLULOSE OR WOOD PULP FIBER MULCH WITH WATER AND APPLY IN A SLURRY UNIFORMLY OVER THE AREA TO BE TREATED.
 - CONVENTIONAL SEEDING - SEEDING WILL BE DONE ON A FRESHLY PREPARED AND FIRMED SEEDBED, FOR BROADCAST PLANTING, USE A CULPACKER-SEEDER, DRILL, POTARY SEEDER, OR HAND SEEDING TO DISTRIBUTE THE SEED UNIFORMLY OVER THE AREA TO BE TREATED.
 - NO-TILL SEEDING IS PERMISSIBLE INTO ANNUAL COVER CROPS WHEN PLANTING IS DONE FOLLOWING MATURITY OF THE COVER CROP OR IF THE TEMPORARY COVER STAND IS SPARSE ENOUGH TO ALLOW ADEQUATE GROWTH OF THE PERMANENT SPECIES. THE SEED MUST BE UNIFORMLY DISTRIBUTED AND PLANTED AT THE PROPER DEPTH.
- MULCHING
 - USE MULCH ON ALL SLOPES STEEPER THAN 3 PERCENT, WHEN SEEDINGS ARE MADE SO LATE IN THE FALL AND WINTER THAT GERMINATION CANNOT BE EXPECTED UNTIL SPRING, IN THE BOTTOM OF SPILLWAYS; AND ON ROADBANKS.
 - WOOD CELLULOSE AND WOOD PULP FIBERS SHALL NOT CONTAIN GERMINATION OR GROWTH-INHIBITING FACTORS. THE FIBERS SHALL HAVE A CONTRASTING COLOR TO THE SOIL TO ALLOW VISUAL METERS AND AID IN UNIFORM APPLICATION DURING SEEDING.
 - STRAW OR HAY MULCH MAY BE SPREAD BY BLOWER TYPE EQUIPMENT OR BY HAND. ABOUT 75 PERCENT OF THE SOIL SURFACE SHALL BE COVERED. 4. ANCHOR STRAW OR HAY MULCH BY ONE OF THE FOLLOWING METHODS:
 - EMULSIFIED ASPHALT
 - PRESS THE MULCH INTO THE SOIL WITH A SPECIAL "PACKER DISK" OR DISK HARROW WITH THE DISKS SET STRAIGHT.
 - SYNTHETIC TACKIFIERS OR BINDERS.
 - FALL AND WINTER PLANTINGS MAY INCLUDE 1/2 BU. OF RYE OR WHEAT.
 - PLASTIC MESH OR NETTING WITH NO LARGER THAN ONE INCH BY ONE INCH MESH MAY BE NEEDED TO ANCHOR STRAW OR HAY MULCH ON UNSTABLE SOILS AND CONCENTRATED FLOW AREAS.
 - IRRIGATION IF WATER IS APPLIED, IT MUST BE AT A RATE NOT CAUSING RUNOFF AND EROSION. THOROUGHLY WET THE SOIL TO A DEPTH THAT WILL INSURE GERMINATION OF THE SEED.

Ds3 Disturbed Area Stabilization (With PERMANENT VEGETATION)

DEFINITION
ESTABLISH PERMANENT VEGETATIVE COVER ON HIGHLY ERODIBLE OR CRITICALLY ERODING AREAS.

CONDITIONS
THESE AREAS USUALLY CANNOT BE STABILIZED BY ORDINARY CONSERVATION TREATMENT AND MANAGEMENT AND IF LEFT UNTREATED CAN CAUSE SEVERE EROSION SEDIMENT DAMAGE. APPLICABLE AREAS ARE THOSE WHERE VEGETATION IS DIFFICULT TO ESTABLISH BY USUAL PLANTING METHODS.

SEEDING RATES FOR PERMANENT SEEDING

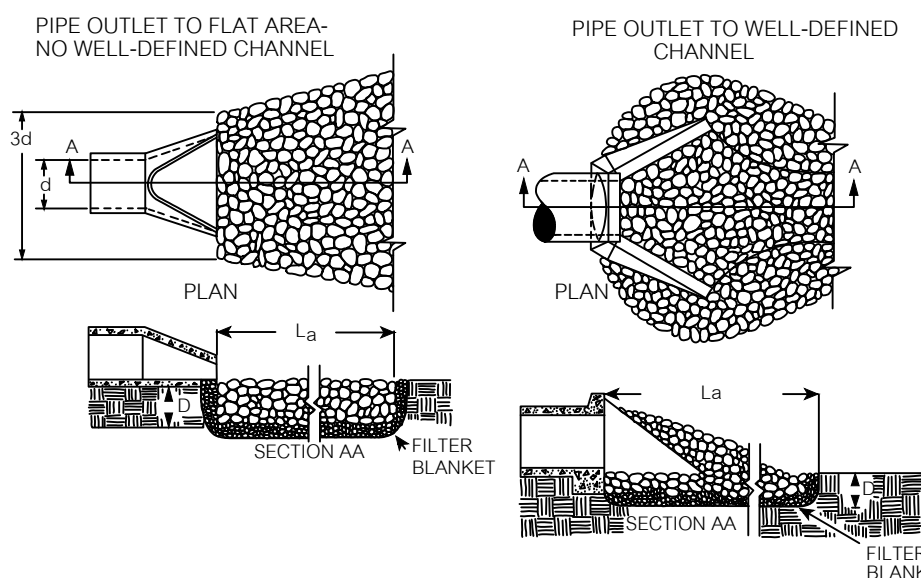
SPECIES	Rate Per 1,000 sq.ft.	Rate Per Acre*	Planting Dates**
Bahia	1.4 pounds	60 lbs.	1/1-12/31
Bermuda	0.2 pound	10 lbs.	2/15-7/1
Centipede	Black Sod Only	Black Sod	4/1-7/1
Lespedeza	1.7 pounds	75 lbs.	1/1-12/31
Weeping Lovegrass	0.1 pound	4 lbs.	2/1-6/15
Switchgrass	0.9 pound	40 lbs.	3/15-6/1

* Unusual site conditions may require heavier seeding rates.
** Seeding dates may need to be altered to fit temperature variations and conditions.

SPECIFICATIONS

- A. GRADING AND SHAPING**
- GRADING AND SHAPING IS NOT NORMALLY REQUIRED WHERE HYDRAULIC SEEDING AND FERTILIZING EQUIPMENT IS TO BE USED. VERTICAL BANKS SHALL BE SLOPED TO ENABLE PLANT ESTABLISHMENTS.
 - WITH CONVENTIONAL SEEDING AND FERTILIZING, GRADE AND SHAPE WHERE FEASIBLE AND PRACTICAL, SO THAT EQUIPMENT CAN BE USED SAFELY AND EFFICIENTLY.
 - CONCENTRATIONS OF WATER THAT WILL CAUSE EXCESSIVE SOIL EROSION WILL BE DIVERTED TO A SAFE OUTLET.
- B. SEEDBED PREPARATION**
- WHEN A HYDRAULIC SEEDER IS USED, SEEDBED PREPARATION IS NOT REQUIRED. 2. WHEN CONVENTIONAL SEEDING IS USED, SEEDBED PREPARATION WILL BE DONE AS FOLLOWS:
 - BROADCAST PLANTINGS
 - TILLAGE AT A MINIMUM, SHALL ADEQUATELY LOOSEN THE SOIL TO A DEPTH OF 4 TO 6 INCHES; ALLEVIATE COMPACTION; INCORPORATE LIME AND FERTILIZER; SMOOTH AND FIRM THE SOIL; ALLOW FOR THE PROPER PLACEMENT OF SEED, SPRIGS, OR PLANTS; AND ALLOW FOR THE ANCHORING OF STRAW OR HAY MULCH.
 - TILLAGE MAY BE DONE WITH ANY SUITABLE EQUIPMENT.
 - TILLAGE MAY BE DONE ON THE CONTOUR WHERE FEASIBLE, IV. ON SLOPES TOO STEEP FOR THE SAFE OPERATION OF TILLAGE EQUIPMENT, THE SOIL SURFACE WILL BE PITTED OR TRENCHED ACROSS THE SLOPE WITH APPROPRIATE HAND TOOLS TO PROVIDE PLACES 6 TO 8 INCHES APART IN WHICH SEED MAY LODGE AND GERMINATE.
 - INDIVIDUAL PLANTS
 - WHERE INDIVIDUAL PLANTS ARE TO BE SET, THE SOIL WILL BE WELL PREPARED BY EXCAVATING HOLES, OPENING FURROWS, OR DIEBLE PLANTING.
 - FOR NURSERY STOCK PLANTS, HOLES SHALL BE LARGE ENOUGH TO ACCOMMODATE ROOTS WITHOUT CROWDING.
- C. LIME AND FERTILIZER**
- AGRICULTURAL LIME SHALL BE APPLIED AS INDICATED BY SOIL TEST OR AT A RATE OF 1 TO 2 TONS PER ACRE.
 - LIME SPREAD BY CONVENTIONAL EQUIPMENT WILL BE "GROUND LIMESTONE".
 - LIME SPREAD BY HYDRAULIC SEEDING EQUIPMENT WILL BE "FINELY GROUND LIMESTONE".
 - INITIAL FERTILIZATION REQUIREMENTS FOR EACH SPECIES OR COMBINATION ARE LISTED IN THE MANUAL.
 - WHEN CONVENTIONAL PLANTING IS DONE, LIME AND FERTILIZER WILL BE APPLIED UNIFORMLY IN ONE OF THE FOLLOWING WAYS:
 - APPLY BEFORE LAND PREPARATION SO THAT IT WILL BE MIXED WITH THE SOIL DURING SEEDBED PREPARATION; OR
 - MIX WITH THE SOIL USED TO FILL THE HOLES, DISTRIBUTE IN FURROWS, OR
 - BROADCAST AFTER STEEP SURFACES ARE SCARIFIED, PITTED OR TRENCHED.

St STORM DRAIN OUTLET PROTECTION



- NOTES**
- Ls IS THE LENGTH OF THE RIPRAP APRON
 - D = 1.5 TIMES THE MAXIMUM STONE DIAMETER BUT NOT LESS THAN 6"
 - IN A WELL-DEFINED CHANNEL, EXTEND THE APRON UP THE CHANNEL BANKS TO AN ELEVATION OF 6" ABOVE THE MAXIMUM TAILWATER DEPTH OR UP TO THE TOP OF THE BANK, WHICHEVER IS LESS
 - A FILTER BLANKET OR FILTER FABRIC SHOULD BE INSTALLED BETWEEN THE RIPRAP AND SOIL FOUNDATION

DEFINITION
PAVED AND/OR RIPRAP CHANNEL SECTIONS, PLACED BELOW STORM DRAIN OUTLETS.

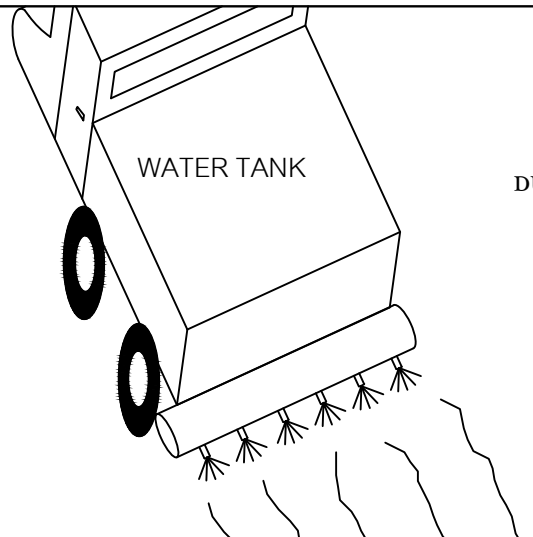
CONDITIONS
THIS STANDARD APPLIES TO ALL STORM DRAIN OUTLETS, ROAD CULVERTS, PAVED CHANNEL OUTLETS, ETC., DISCHARGING INTO NATURAL OR CONSTRUCTED CHANNELS, ANALYSIS AND/OR TREATMENT WILL EXTEND FROM THE END OF THE CONDUIT, CHANNEL OR STRUCTURE TO THE POINT OF ENTRY INTO AN EXISTING STREAM OR PUBLICLY MAINTAINED DRAINAGE SYSTEM.

CONSTRUCTION SPECIFICATIONS

- ENSURE THAT THE SUBGRADE FOR THE FILTER AND RIPRAP FOLLOWS THE REQUIRED LINES AND GRADES SHOWN IN THE PLAN. COMPACT ANY FILL REQUIRED IN THE SUBGRADE TO THE DENSITY OF THE SURROUNDING UNDISTURBED MATERIAL. LOW AREAS IN THE SUBGRADE ON UNDISTURBED SOIL MAY ALSO BE FILLED BY INCREASING THE RIPRAP THICKNESS.
- THE RIPRAP AND GRAVEL FILTER MUST CONFORM TO THE SPECIFIED GRADING LIMITS SHOWN ON THE PLAN.
- GEOTEXTILE MUST MEET DESIGN REQUIREMENTS AND BE PROPERLY PROTECTED FROM PUNCHING OR TEARING DURING INSTALLATION. REPAIR ANY DAMAGE BY REMOVING THE RIPRAP AND PLACING ANOTHER PIECE OF FILTER FABRIC OVER THE DAMAGED AREA. ALL CONNECTING JOINTS SHOULD OVERLAP A MINIMUM OF 1 FOOT. IF THE DAMAGE IS EXTENSIVE, REPLACE THE ENTIRE FILTER FABRIC.
- RIPRAP MAY BE PLACED BY EQUIPMENT, BUT TAKE CARE TO AVOID DAMAGING THE FILTER.
- THE MAXIMUM THICKNESS OF THE RIPRAP SHOULD BE 1.5 TIMES THE MAXIMUM STONE DIAMETER.
- CONSTRUCT THE APRON ON EXISTING GRADE WITH NO OVERALL AT THE END. MAKE THE TOP OF THE RIPRAP AT THE DOWNSTREAM END LEVEL WITH THE RECEIVING AREA OR SLIGHTLY BELOW IT.
- ENSURE THAT THE APRON IS PROPERLY ALIGNED WITH THE RECEIVING STREAM AND PREFERABLY STRAIGHT THROUGHOUT ITS LENGTH. IF A CURVE IS NEEDED TO FIT SITE CONDITIONS, PLACE IT IN THE UPPER SECTION OF THE APRON.
- IMMEDIATELY AFTER CONSTRUCTION, STABILIZE ALL DISTURBED AREAS WITH VEGETATION.
- STONE QUALITY - SELECT STONE FOR RIPRAP FROM FIELD STONE OR QUARRY STONE. THE STONE SHOULD BE HARD, ANGULAR, AND HIGHLY WEATHER-RESISTANT. THE SPECIFIC GRAVITY OF THE INDIVIDUAL STONES SHOULD BE AT LEAST 2.2.
- FILTER - INSTALL A FILTER TO PREVENT SOIL MOVEMENT THROUGH THE OPENINGS IN THE RIPRAP. THE FILTER SHOULD CONSIST OF A GRADED GRAVEL LAYER OR A SYNTHETIC FILTER CLOTH.

MAINTENANCE
INSPECT RIPRAP OUTLET STRUCTURES AFTER HEAVY RAINS TO SEE IF ANY EROSION AROUND OR BELOW THE RIPRAP HAS TAKEN PLACE OR IF STONES HAVE BEEN DISLODGED. IMMEDIATELY MAKE ALL NEEDED REPAIRS TO PREVENT FURTHER DAMAGE.

Du DUST CONTROL DUST CONTROL ON DISTURBED AREAS



DEFINITION
CONTROLLING SURFACE AND AIR MOVEMENT OF DUST ON CONSTRUCTION SITES, ROADS, AND DEMOLITION SITES.

PURPOSE

- TO PREVENT SURFACE AND AIR MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES.
- TO REDUCE THE PRESENCE OF AIRBORNE SUBSTANCES WHICH MAY BE HARMFUL OR INJURIOUS TO HUMAN HEALTH, WELFARE, OR SAFETY, OR TO ANIMALS OR PLANT LIFE.

CONSTRUCTION SPECIFICATION

- APPLY ACCORDING TO APPROVED PLAN, IF SHOWN
- MULCH DISTURBED AREAS AND TACKIFY WITH RESINS SUCH AS ASPHALT, CURASOL OR TERRATACK ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
- STABILIZE DISTURBED AREA WITH TEMPORARY OR PERMANENT VEGETATION.
- IRRIGATE DISTURBED AREAS UNTIL SURFACE IS WET.
- COVER SURFACE WITH CRUSHED STONE OR GRAVEL.
- APPLY CALCIUM CHLORIDE AT A RATE TO KEEP SURFACE MOIST.
- APPLY SPRAY-ON ADHESIVES TO MINERAL SOILS (NOT MUCK SOILS) AS DESCRIBED IN TABLE 1.

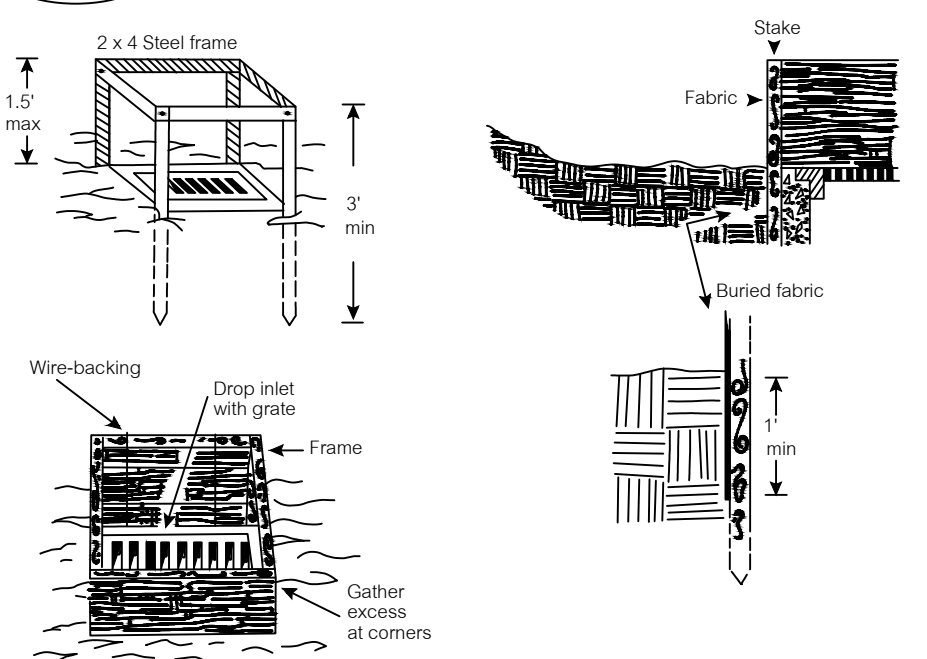
MAINTENANCE

- PROHIBIT TRAFFIC ON SURFACE AFTER SPRAYING.
- SUPPLEMENT SURFACE COVERING AS NEEDED.

TABLE 1. SPRAY-ON ADHESIVE APPLICATION REQUIREMENTS

ADHESIVE	WATER DILUTION	NOZZLE TYPE	APPLICATION (GAL./ACRE)
ANIONIC ASPHALT EMULSION	7:1	COARSE SPRAY	1,200
LATEX EMULSION	12.5:1	FINE SPRAY	235
RESIN-IN-WATER EMULSION	4:1	FINE SPRAY	300

Sd2-F INLET SEDIMENT TRAP - FABRIC



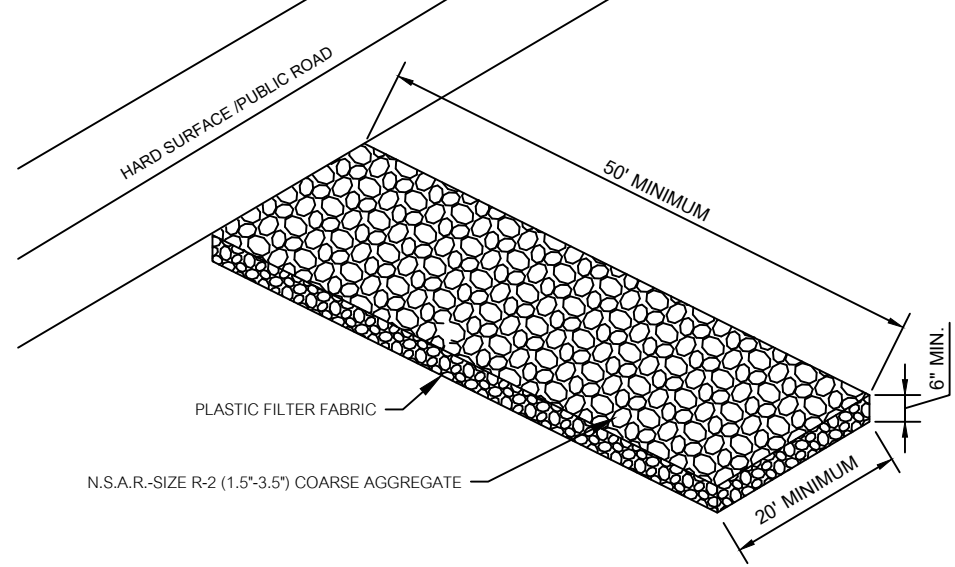
PURPOSE
TO PREVENT SEDIMENT FROM LEAVING THE SITE, OR FROM ENTERING STORM DRAINAGE SYSTEMS, PRIOR TO PERMANENT STABILIZATION OF THE DISTURBED AREAS.

CONDITIONS
SEDIMENT TRAPS SHOULD BE INSTALLED AT OR AROUND ALL STORM DRAIN INLETS THAT RECEIVE RUNOFF FROM DISTURBED AREAS.

CONSTRUCTION SPECIFICATION
SEDIMENT TRAPS MAY BE CONSTRUCTED ON NATURAL GROUND SURFACE, ON AN EXCAVATED SURFACE, OR ON MACHINE COMPACTED FILL PROVIDED THEY HAVE ANCHORABLE OUTLETS. THE METHOD OF INLET PROTECTION IS APPLICABLE WHERE THE INLET DRAINS A RELATIVELY FLAT AREA (SLOPE NO GREATER THAN 2%) AND SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS. THE SILT FENCE SUPPORTED BY STEEL POSTS SHALL BE USED. THE STAKES SHALL BE SPACED EVENLY AROUND THE PERIMETER OF THE INLET AT A MAXIMUM OF 3 FEET APART, AND SECURELY DRIVEN INTO THE GROUND, APPROXIMATELY 18 INCHES DEEP. THE FABRIC SHALL BE EXTENDED 12 INCHES AND BACKFILLED WITH CRUSHED STONE, OR COMPACTED SOIL. FABRIC AND WIRE SHALL BE SECURELY FASTENED TO THE POSTS, AND FABRIC MUST BE OVERLAPPED A MINIMUM OF 18 INCHES OR WAPPED TOGETHER AROUND A POST TO PROVIDE A CONTINUOUS FABRIC BARRIER AROUND THE INLET.

MAINTENANCE
THE TRAP SHALL BE INSPECTED DAILY AND AFTER EACH RAIN AND REPAIRS MADE AS NEEDED. SEDIMENT SHALL BE REMOVED WHEN THE SEDIMENT HAS ACCUMULATED TO ONE-HALF THE HEIGHT OF THE TRAP. FOR EXCAVATED INLET SEDIMENT TRAPS, SEDIMENT SHALL BE REMOVED WHEN ONE-HALF OF THE SEDIMENT STORAGE CAPACITY HAS BEEN LOST TO SEDIMENT ACCUMULATION. SEDIMENT SHALL NOT BE WASHED INTO THE INLET. IT SHALL BE REMOVED FROM THE SEDIMENT TRAP AND DISPOSED OF PROPERLY. THE INLET AGAIN. WHEN THE CONTRIBUTING DRAINAGE AREA HAS BEEN PERMANENTLY STABILIZED, ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES OR SITE ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.

Co CONSTRUCTION EXIT



PURPOSE
TO REDUCE OR ELIMINATE THE TRANSPORT OF MUD FROM THE CONSTRUCTION AREA ONTO PUBLIC RIGHTS-OF-WAY BY MOTOR VEHICLES LEAVING OR RAINFALL.

CONDITIONS
THIS PRACTICE IS APPLIED AT APPROPRIATE POINTS OF CONSTRUCTION EGRESS. GEOTEXTILE UNDERLINERS ARE REQUIRED TO STABILIZE AND SUPPORT THE PAD AGGREGATES.

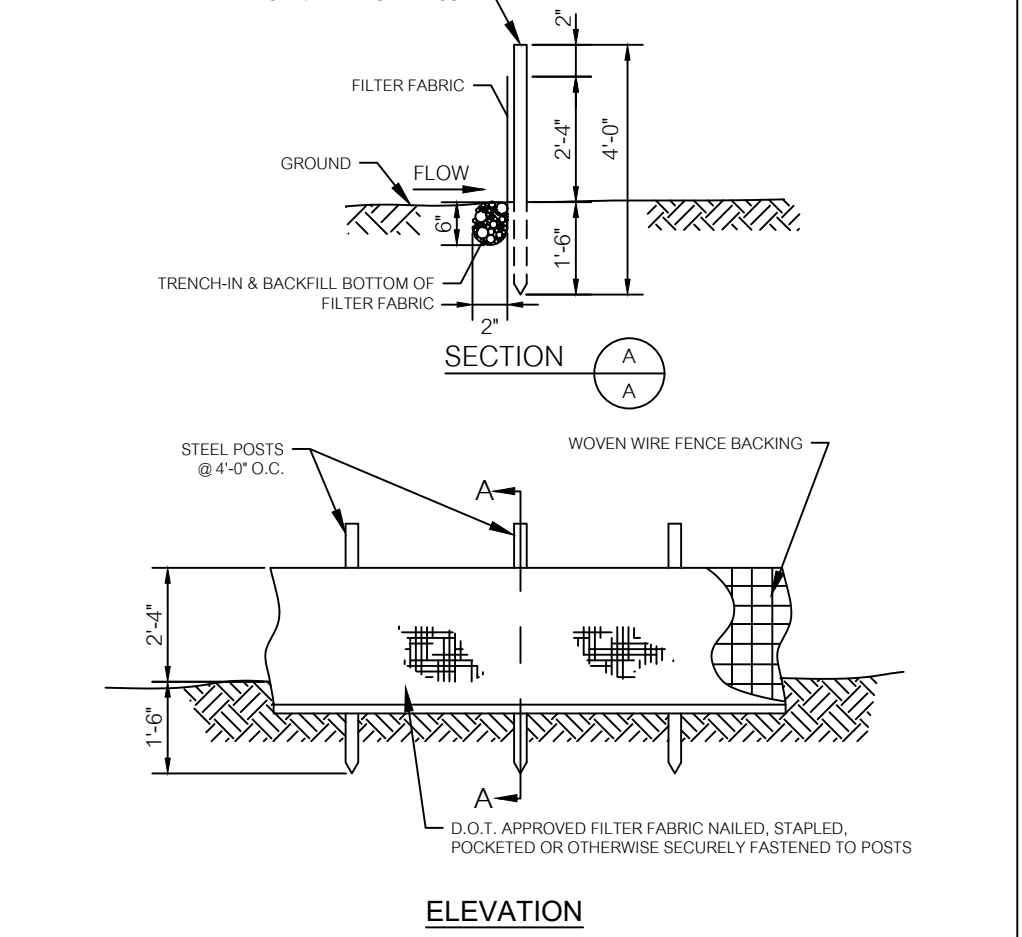
CONSTRUCTION SPECIFICATIONS
IT IS RECOMMENDED THAT THE ENTRANCE AREA BE EXCAVATED TO A DEPTH OF 3 INCHES AND BE CLEARED OF ALL VEGETATION AND ROOTS.

CONSTRUCTION SPECIFICATION
DIVERSION RIDGE - ON SITES WHERE THE GRADE TOWARD THE PAVED AREA IS GREATER THAN 2%, A DIVERSION RIDGE 6 TO 8 INCHES HIGH WITH 3:1 SIDE SLOPES SHALL BE CONSTRUCTED ACROSS THE FOUNDATION APPROXIMATELY 15 FEET ABOVE THE ROAD.

GEOTEXTILE - THE GEOTEXTILE UNDERLINER MUST BE PLACED THE FULL LENGTH AND WIDTH OF THE ENTRANCE. GEOTEXTILE SELECTION SHALL BE BASED ON AASHTO M88-98 SPECIFICATION:
1. FOR SUBGRADES WITH A CBR GREATER THAN OR EQUAL TO 3 OR SHEAR STRENGTH GREATER THAN 90 KPA, GEOTEXTILE MUST MEET REQUIREMENTS OF SECTION AASHTO M88-98 SECTION 7.3. SEPARATION REQUIREMENTS.
2. FOR SUBGRADES WITH A CBR BETWEEN 1 AND 3 OR SHEAR STRENGTH BETWEEN 30 AND 90 KPA, GEOTEXTILE MUST MEET REQUIREMENTS OF SECTION AASHTO M88-98 SECTION 7.4. STABILIZATION REQUIREMENTS.

MAINTENANCE
THE EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1.5-3.5 INCH STONE, AS CONDITIONS DEMAND, AND BEHIND CLEANOUT BY ANY STRUCTURES TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES OR SITE ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.

Sd1-S SEDIMENT BARRIER-SILT FENCE



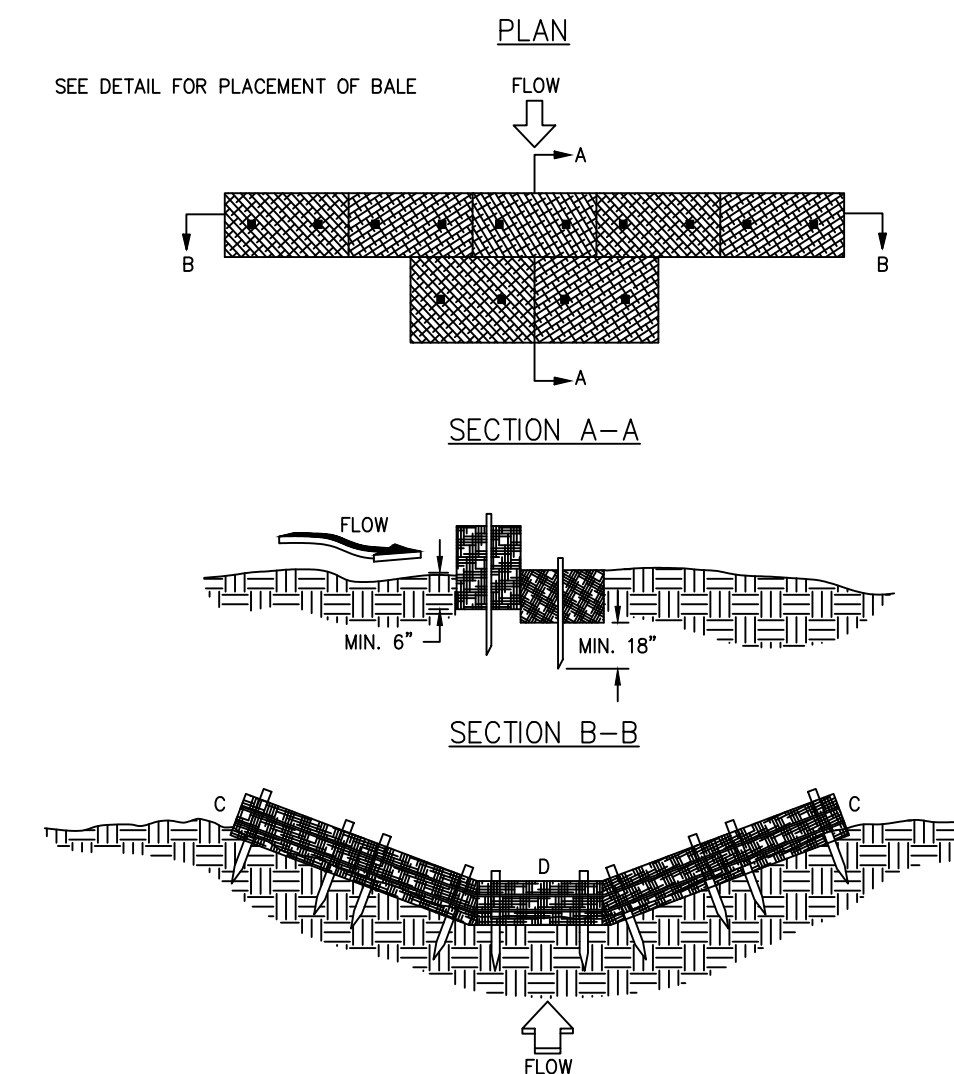
PURPOSE
TO PREVENT SEDIMENT CARRIED BY SHEET FLOW FROM LEAVING THE SITE AND ENTERING NATURAL DRAINAGE WAYS OR STORM DRAINAGE SYSTEMS BY SLOWING STORM WATER RUNOFF AND CAUSING THE DEPOSITION OF SEDIMENT AT THE STRUCTURE.

CONDITIONS
BARRIERS SHOULD BE INSTALLED WHERE RUNOFF CAN BE STORED BEHIND THE BARRIER WITHOUT DAMAGING THE FENCE OR THE SUBMERGED AREA BEHIND THE FENCE. SILT FENCE SHALL NOT BE INSTALLED ACROSS STREAMS, DITCHES, WATERWAYS, OR OTHER CONCENTRATED FLOW AREAS.

CONSTRUCTION SPECIFICATION
APPROVED SILT FENCE FABRICS ARE LISTED IN THE GEORGIA DOT QUALIFIED PRODUCTS LIST #36 (GPL-36). THIS FILTER FABRIC IS 36 INCHES WIDE WITH WIRE REINFORCEMENT. THE WIRE REINFORCEMENT IS NECESSARY BECAUSE THIS FABRIC ALMOST ALWAYS EXCEEDS THE FLOW RATE AS TYPE A SILT FENCE. TYPE C SILT FENCE SHALL BE USED WHERE RUNOFF FLOWS OR VELOCITIES ARE PARTICULARLY HIGH OR WHERE SLOPES EXCEED A VERTICAL HEIGHT OF 10 FEET. PROVIDE A SHARP FLASH PAD OR OTHER OUTLET PROTECTION DEVICE FOR ANY POINT WHERE FLOW MAY TOP THE SEDIMENT FENCE. ENSURE THAT THE MAXIMUM HEIGHT OF THE FENCE AT A PROTECTED, REINFORCED OUTLET DOES NOT EXCEED 1 FOOT AND THAT THE SUPPORT POST SPACING DOES NOT EXCEED 4 FEET. THE MANUFACTURER SHALL HAVE EITHER AN APPROVED COLOR MARK YARN IN THE FABRIC OR LABEL THE FABRICATED SILT FENCE WITH BOTH THE MANUFACTURER AND FABRIC NAME EVERY 18 FEET. POSTS MUST BE STEEL, ALONG STREAM BUFFERS AND OTHER SENSITIVE AREAS. TWO ROWS OF TYPE C SILT FENCE WITH HAYBALES STAKED BETWEEN SHALL BE USED.

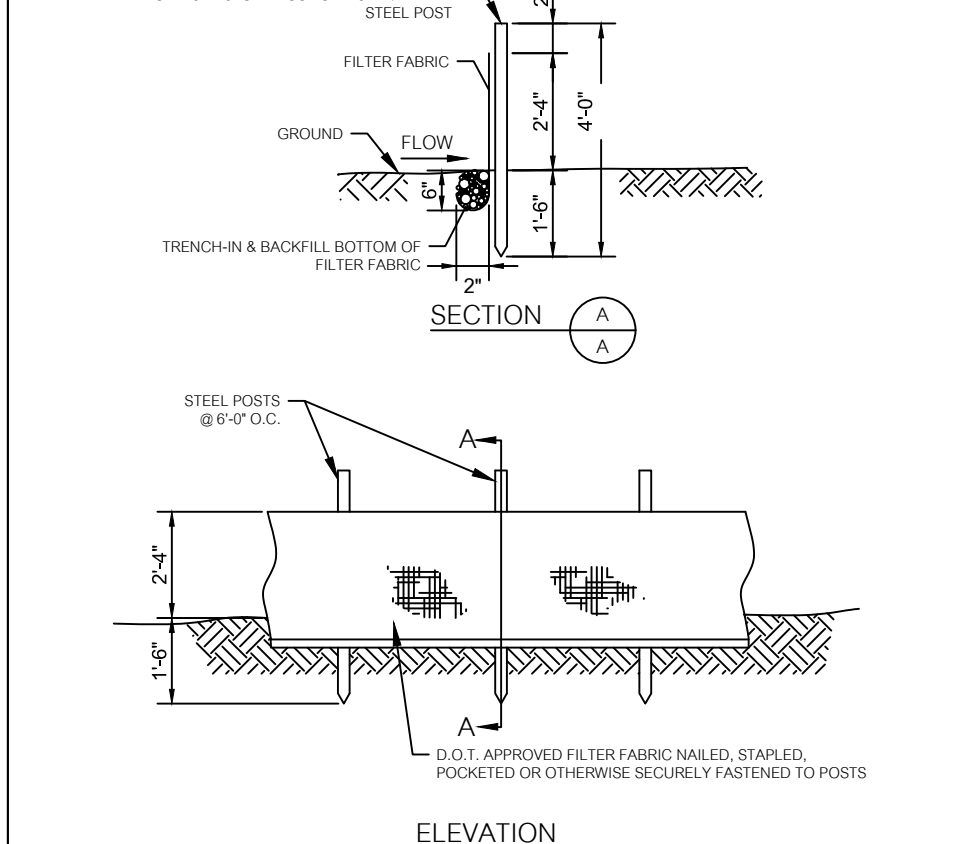
MAINTENANCE
SEDIMENT CAN BE REMOVED ONCE IT HAS ACCUMULATED TO ONE-HALF THE ORIGINAL HEIGHT OF THE BARRIER. FILTER FABRIC SHALL BE REPLACED WHENEVER IT HAS DEGRADED TO SUCH AN EXTENT THAT THE EFFECTIVENESS OF THE FENCE IS REDUCED. TEMPORARY SEDIMENT BARRIERS SHALL REMAIN IN PLACE UNTIL DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED. ALL SEDIMENT ACCUMULATED AT THE BARRIER SHALL BE REMOVED AND PROPERLY DISPOSED OF BEFORE THE BARRIER IS REMOVED.

Cd-H TYPICAL STRAW BALE CHECK DAM



- NOTES:**
- BALES SHOULD BE BOUND WITH WIRE OR NYLON STRING AND SHOULD BE PLACED IN ROWS WITH BALE ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
 - REMOVE #4 REBAR AFTER STRAW BALES ARE NO LONGER IN PLACE.
 - POINT C OF SECTION B-B SHOULD ALWAYS BE HIGHER THAN POINT D.

Sd1-NS SEDIMENT BARRIER-SILT FENCE



PURPOSE
TO PREVENT SEDIMENT CARRIED BY SHEET FLOW FROM LEAVING THE SITE AND ENTERING NATURAL DRAINAGE WAYS OR STORM DRAINAGE SYSTEMS BY SLOWING STORM WATER RUNOFF AND CAUSING THE DEPOSITION OF SEDIMENT AT THE STRUCTURE.

CONDITIONS
BARRIERS SHOULD BE INSTALLED WHERE RUNOFF CAN BE STORED BEHIND THE BARRIER WITHOUT DAMAGING THE FENCE OR THE SUBMERGED AREA BEHIND THE FENCE. SILT FENCE SHALL NOT BE INSTALLED ACROSS STREAMS, DITCHES, WATERWAYS, OR OTHER CONCENTRATED FLOW AREAS.

CONSTRUCTION SPECIFICATION
APPROVED SILT FENCE FABRICS ARE LISTED IN THE GEORGIA DOT QUALIFIED PRODUCTS LIST #36 (GPL-36). THIS 36-INCH WIDE FILTER FABRIC SPECIES BE USED ON SUBGRADES WHERE THE CBR OR THE PROJECT IS GREATER THAN OR EQUAL TO 3. THE MANUFACTURER SHALL HAVE EITHER AN APPROVED COLOR MARK YARN IN THE FABRIC OR LABEL THE FABRICATED SILT FENCE WITH BOTH THE MANUFACTURER AND FABRIC NAME EVERY 18 FEET. POST INSTALLATION SHALL START AT THE CENTER OF THE LOW POINT WITH REMAINING POSTS SPACED 6 FEET APART. POSTS CAN BE WOOD OR STEEL.

MAINTENANCE
SEDIMENT CAN BE REMOVED ONCE IT HAS ACCUMULATED TO ONE-HALF THE ORIGINAL HEIGHT OF THE BARRIER. FILTER FABRIC SHALL BE REPLACED WHENEVER IT HAS DEGRADED TO SUCH AN EXTENT THAT THE EFFECTIVENESS OF THE FENCE IS REDUCED. TEMPORARY SEDIMENT BARRIERS SHALL REMAIN IN PLACE UNTIL DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED. ALL SEDIMENT ACCUMULATED AT THE BARRIER SHALL BE REMOVED AND PROPERLY DISPOSED OF BEFORE THE BARRIER IS REMOVED.

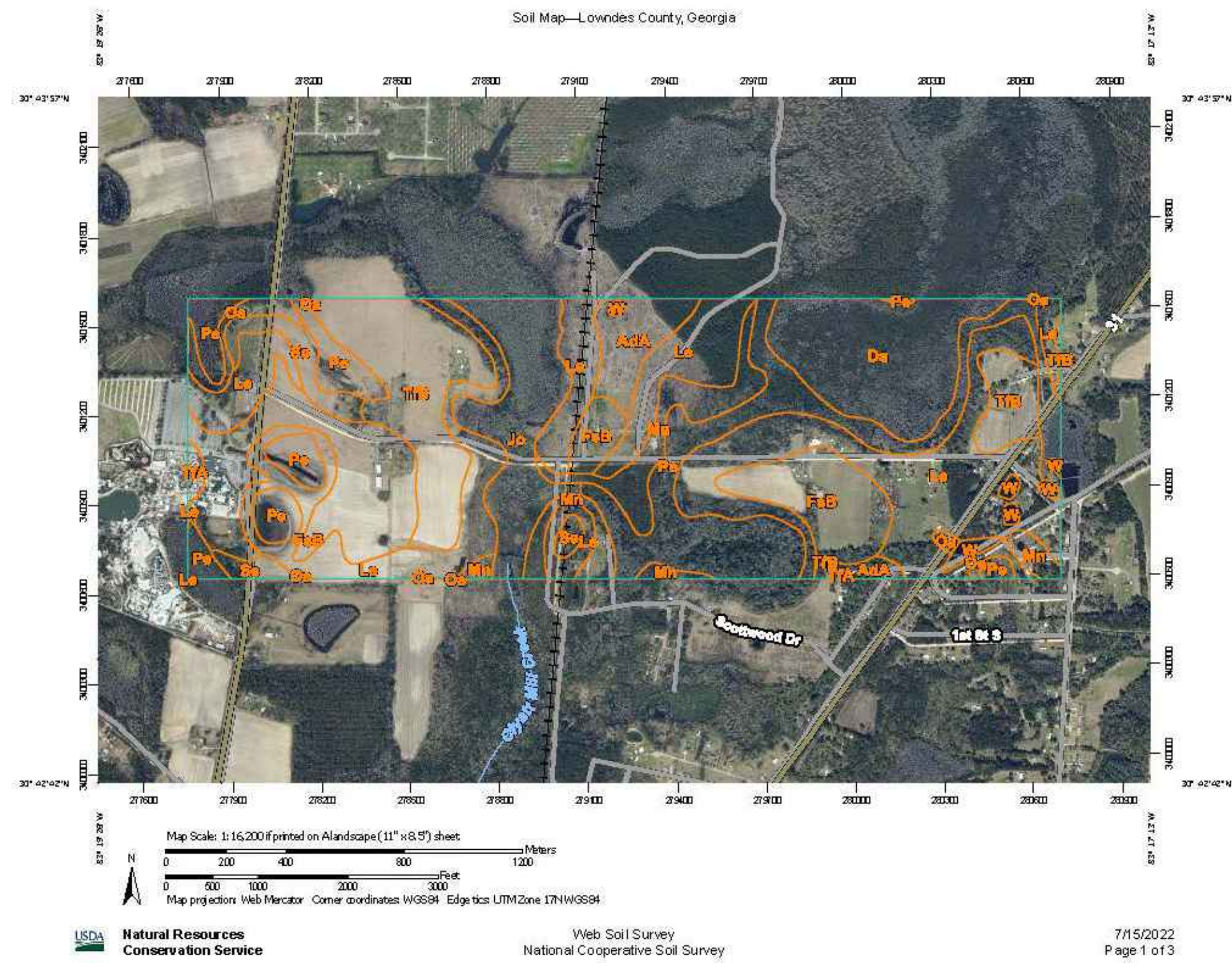
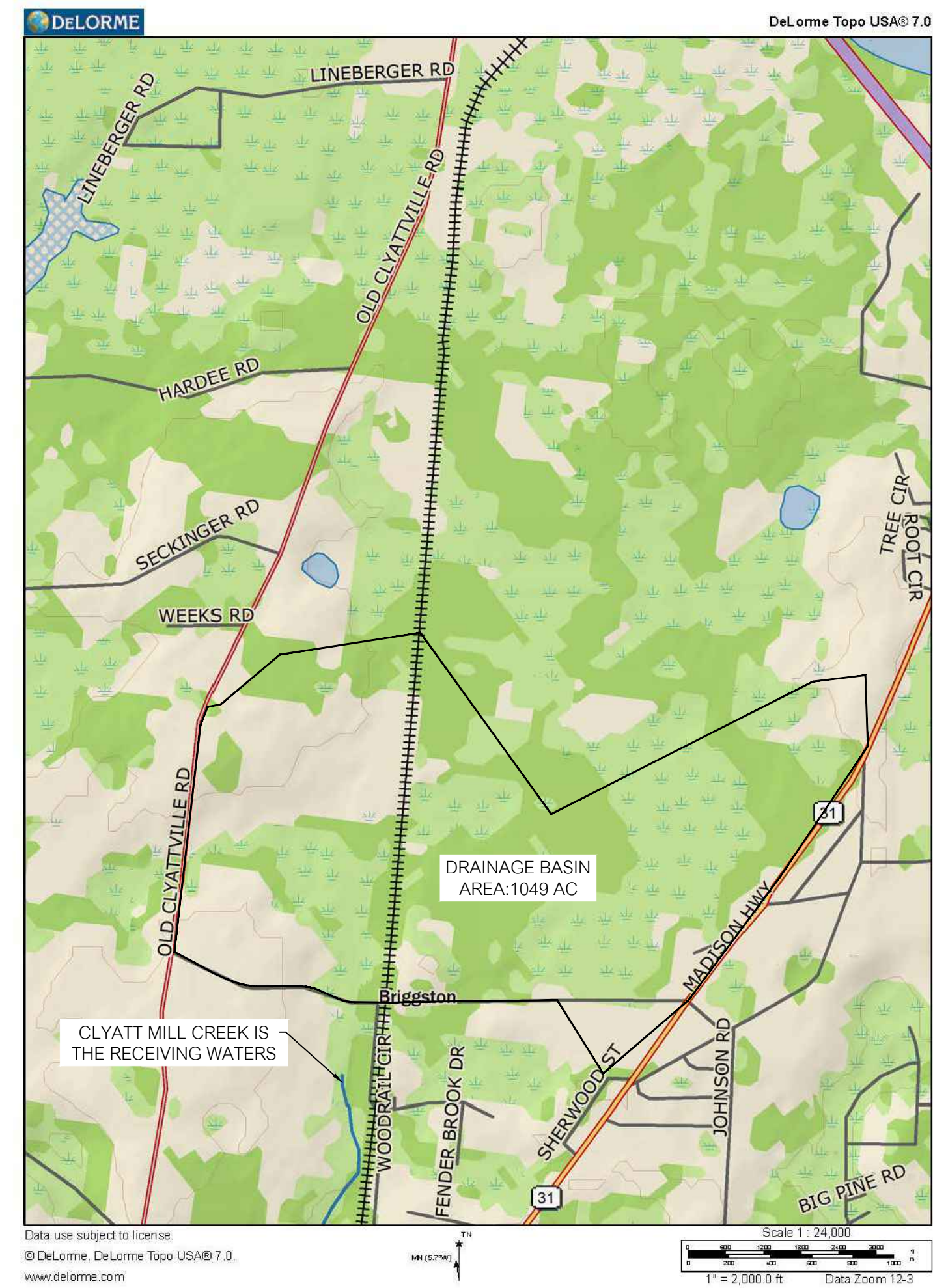
DATE	REVISIONS
06/24/2022	REVISED PER COUNTY COMMENTS
06/29/2022	REVISED PER COUNTY COMMENTS
07/01/2022	REVISED PER COUNTY COMMENTS
07/12/2022	REVISED PER COUNTY COMMENTS
07/14/2022	REVISED PER COUNTY COMMENTS
07/14/2022	REVISED PER COUNTY COMMENTS
07/14/2022	REVISED PER COUNTY COMMENTS

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BRIGGSTON ROAD
PAVING IMPROVEMENTS
LOWNDES COUNTY, GEORGIA
L.L. 20, 21, 24, 25, & 26 OF THE 16TH L.D.
& L.L. 70 & 71 OF THE 11TH L.D.

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LEVEL II CERT. 8141
DATE: 09/14/2022
DRAWN BY: M. WILSON
CHECKED BY: B. KENT
SHEET 30 of 47
PROJECT NUMBER 1669



Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
AdA	Albany sand, 0 to 2 percent slopes	20.4	3.0%
Da	Dasher muck	60.4	8.8%
Fsb	Fuquay loamy sand, 0 to 5 percent slopes	100.5	14.6%
Jo	Johnston loam	48.0	7.0%
Le	Leefield loamy sand, 0 to 2 percent slopes	199.7	29.0%
Mh	Mascotte sand	38.5	5.6%
Oa	Olustee sand	11.6	1.7%
Pe	Pelham loamy sand, 0 to 2 percent slopes, frequently flooded	110.0	16.0%
Se	Silsen loamy sand, 0 to 2 percent slopes	17.6	2.6%
TTA	Tifton loamy sand, 0 to 2 percent slopes	2.7	0.4%
TTB	Tifton loamy sand, 2 to 5 percent slopes	72.6	10.6%
W	Water	5.8	0.8%
Totals for Area of Interest		688.0	100.0%

NO.	FLOW C.F.S.	DIAMETER	Tw	La	W1	W2	D50	dmax	D
SI-1	28	30"	MIN	14'	7.5'	16.5'	0.5'	0.75'	1.13'
SI-2	200	DOUBLE 5'x4' (60" EQUIV)	MIN	32'	20'	42'	1.0'	1.50'	2.25'
SI-3	7.6	DOUBLE 18"	MIN	9'	6.0'	12'	0.5'	0.75'	1.13'
SI-4	99	DOUBLE 48"	MIN	20'	16'	34'	0.5'	1.35'	2.03'

SEDIMENT STORAGE:	
REQUIRED:	67 C.Y./AC X 11.50 AC = 771 C.Y.
PROVIDED:	IN SILT FENCE: 9,141 L.F. X 0.17 C.Y./L.F. = 1,554 C.Y.
TOTAL PROVIDED:	1,554 C.Y.

HYDROLOGY STUDY	
PRE-DEVELOPED	POST DEVELOPED
C-FACTOR	0.50 0.60

THERE ARE NO STATE WATERS WITHIN 200 FEET OF THIS SITE.

WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY SECTION 404 PERMIT.

ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

ADJACENT AREAS SHOULD NOT BE AFFECTED PROVIDED PROPER BMP'S ARE INSTALLED AND MAINTAINED FOR THE LIFE OF THE PROJECT.

RATIONALE EXPLAINING REASON THAT A SEDIMENT BASIN SHALL NOT BE USED ON THIS PROJECT.

A SEDIMENT BASIN WILL NOT BE USED ON THIS PROJECT DUE TO THE LIMITED SIZE OF THE CONSTRUCTION SITE. LAND DISTURBING ACTIVITIES WILL BE CONDUCTED WITHIN THE EXISTING RIGHT-OF-WAY OF BRIGGSTON ROAD. BMP'S WILL BE EMPLOYED BY THE CONTRACTOR TO LIMIT EROSION AND SEDIMENT AT ITS SOURCE.

THIS CONSTRUCTION PROJECT DOES NOT INVOLVE MASS GRADING. THE INITIAL SEDIMENT STORAGE REQUIREMENTS, PERIMETER CONTROL BMP'S, AND FINAL BMP'S ARE THE SAME. THEREFORE, THIS PLAN HAS COMBINED ALL THE BMP'S INTO A SINGLE PHASE PLAN.

ACTIVITY SCHEDULE

ACTIVITY	MONTHS					
	1	2	3	4	5	6
INSTALLATION OF PERIMETER CONTROL	█					
CLEARING AND GRUBBING		█				
PRELIMINARY GRADING		█	█			
INSTALLATION OF INTERMEDIATE E&S CONTROLS			█			
ROAD CONSTRUCTION		█	█	█		
UTILITY CONSTRUCTION			█	█		
FINISHED GRADING				█		
FINAL STABILIZATION					█	
VEGETATION AND MULCHING					█	
REMOVE TEMPORARY E&S MEASURES						█

"I certify under penalty of law that this document was prepared after a site visit to the location described herein by myself or my authorized agent, under my direct supervision."

"I certify that the permittee's Erosion, Sedimentation and Pollution Control Plan provides for an appropriate and comprehensive system of best management practices required by the Georgia Water Quality Control Act and the document "Manual for Erosion and Sediment Control in Georgia," (Manual) published by the Georgia Soil and Water Conservation Commission as of January 1 of the year in which the land disturbing activity was permitted, provides for sampling of the receiving water(s) or the sampling of the storm water outfalls and that the designed system of best management practices and sampling methods is expected to meet the requirements contained in the General NPDES Permit No. GAR10002."

"I certify that the permittee's Erosion, Sedimentation and Pollution Control Plan provides for the monitoring of: (a) all perennial and intermittent streams and other water bodies shown on the USGS topographic map and all other field verified perennial and intermittent streams and other water bodies, or (b) where any such specific identified perennial and intermittent stream and other water body is not proposed to be sampled, I have determined in my professional judgment, utilizing the factors required in the General NPDES Permit No. GAR 10002, that the increase in the turbidity of each specific identified sampled receiving water will be representative of the increase in the turbidity of a specific identified un-sampled receiving water."

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that certified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

"I certify that georgia's current 305(b)(3)(3) list documents have been consulted to determine if the project discharges to an impaired stream segment or within 1 mile of a biota impaired stream segment."

William D. Kent
 William D. Kent
 Level II Cert.#8141

NOTES:

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH LOWNDES COUNTY STANDARDS AND SPECIFICATIONS.
- THE CONTRACTOR IS TO VERIFY ALL ELEVATIONS OF PROPOSED STRUCTURES AND CURBING TO ENSURE POSITIVE DRAINAGE PRIOR TO CONSTRUCTION.
- ALL DISTURBED AREAS ARE TO BE GRASSED AND MULCHED IMMEDIATELY UPON COMPLETION OF GRADING.
- THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES.
- EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.
- ALL EROSION CONTROL MEASURES SHALL BE INSPECTED BY THE CONTRACTOR DAILY. ANY DAMAGES OBSERVED SHALL BE REPAIRED BY THE END OF THAT DAY.
- OWNER/DEVELOPER:
 LOWNDES COUNTY BOARD OF COMMISSIONERS
 327 N. ASHLEY STREET
 VALDOSTA, GA 31601
- 24 HR/CONTACT:
 MIKE FLETCHER
 MFLETCHER@LOWNDESCOUNTY.COM
 PH: (229) 671-2424
- ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE SHALL BE DEPOSITED IN A DUMPSTER. THE DUMPSTER SHALL BE EMPTIED FULL. NO CONSTRUCTION WASTE SHALL BE BURIED ON SITE.
- ALL CONCRETE WASHOUT SHALL BE COLLECTED ONSITE AT A DESIGNATED AREA BY THE DEVELOPER OR CONTRACTOR FOR OFFSITE DISPOSAL. WASHOUT SHALL BE MAINTAINED EITHER BY BERM OR BY WASHOUT PIT. WASH OUT OF DRUM IS PROHIBITED.
- ALL HAZARDOUS MATERIAL/WASTE SHALL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL OR BY MANUFACTURER.
- SANITARY WASTE GENERATED FROM PORTABLE UNITS SHALL BE EMPTIED AS REQUIRED TO PROVIDE SANITARY CONDITIONS. ALL SANITARY WASTE DISPOSAL PRACTICES SHALL BE CONDUCTED IN ACCORDANCE WITH STATE AND LOCAL WASTE DISPOSAL REGULATIONS.
- SILT FENCE SHALL BE INSTALLED ON ALL DOWN SLOPES OF DISTURBED AREAS.
- USE OF MULCH TO STABILIZE AREAS LEFT DISTURBED FOR MORE THAN 14 CALENDAR DAYS.

DEVELOPMENT REFERENCE

PRIMARY PERMITTEE:
 LOWNDES COUNTY BOARD OF COMMISSIONERS
 327 N. ASHLEY STREET
 VALDOSTA, GA 31601

CIVIL ENGINEER:
 INNOVATE ENGINEERING SOLUTIONS, LLC.
 2214 N. PATTERSON STREET
 VALDOSTA, GA 31604
 PH: (229) 249-9113

24-HOUR CONTACT:
 MIKE FLETCHER
 PH: (229) 671-2424

**TOTAL SITE AREA: ±11.50 AC. TOTAL
 DISTURBED AREA: ±11.50 AC.**

NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR FOOT UNDISTURBED STREAM BUFFERS AS MEASURED FROM THE POINT OF WRESTED VEGETATION OR WITHIN 25-FOOT OF THE COASTAL MARSHLAND BUFFER AS MEASURED FROM THE JURISDICTIONAL DETERMINATION LINE WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.

THIS IS IN COMPLIANCE WITH WASTE DISPOSAL, SANITARY SEWER AND SEPTIC TANK REGULATIONS.



BRIGGSTON ROAD PAVING IMPROVEMENTS
 LOWNDES COUNTY, GEORGIA
 L.L. 20, 21, 24, 25, & 26 OF THE 16TH L.D.
 & L.L. 70 & 71 OF THE 11TH L.D.

INNOVATE! Engineering & Surveying
 PHONE: 229-249-9113 - www.innovatecs.com
 2214 N. Patterson Street, Valdosta, GA 31602

LEVEL II CERT. 8141
 DATE: 09/14/2022
 DRAWN BY: M. WILSON
 CHECKED BY: B. KENT
 SHEET 31 OF 47
 PROJECT NUMBER 1669

ES&PC DETAIL 2

GENERAL EROSION CONTROL NOTES:

EROSION CONTROL AND TREE PROTECTION MEASURES SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY AND MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED.

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH LAND-DISTURBING ACTIVITIES.

EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

AMENDMENTS / REVISIONS TO THE ES&PC PLAN WHICH HAVE A SIGNIFICANT EFFECT ON BMP'S WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL.

CONTRACTOR SHALL ENSURE THAT NO SEDIMENT RESULTING FROM CONSTRUCTION ACTIVITIES LEAVES THE PROJECT SITE AND ENTERS ADJACENT PROPERTIES.

INITIAL PHASE

EROSION CONTROL NOTES:

PRIOR TO THE LAND DISTURBING CONSTRUCTION, THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE AREA SITE DEVELOPMENT INSPECTOR.

THE CONTRACTOR SHALL OBSERVE THE PROJECT SEQUENCE SHOWN ON THE PLANS. THE CONTRACTOR SHALL MAINTAIN CAREFUL SCHEDULING AND PERFORMANCE TO INSURE THAT LAND STRIPPED OF ITS NATURAL COVER IS EXPOSED ONLY IN SMALL QUANTITIES.

THE OWNER AGREES TO PROVIDE AND MAINTAIN OFF-STREET PARKING ON THE SUBJECT PROPERTY DURING THE ENTIRE CONSTRUCTION PERIOD.

NO STAGING AREAS, MATERIALS, STORAGE, CONCRETE WASH OUT AREAS, OR DEBRIS BURN AND BURIAL HOLES SHALL BE LOCATED WITHIN 500 FEET OF DESIGNATED TREE PROTECTION AREAS.

A COPY OF THE APPROVED LAND DISTURBANCE PLAN AND PERMIT SHALL BE PRESENT ON THE SITE AT ALL TIMES.

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH LAND-DISTURBING ACTIVITIES.

PRIOR TO COMMENCING LAND DISTURBANCE ACTIVITY, THE LIMITS OF LAND DISTURBANCE SHALL BE CLEARLY AND ACCURATELY DEMARCATED WITH STAKES, RIBBONS, OR OTHER APPROPRIATE MEANS. THE LOCATION AND EXTENT OF ALL AUTHORIZED LAND DISTURBANCE ACTIVITY SHALL BE DEMARCATED FOR THE DURATION OF THE CONSTRUCTION ACTIVITY. NO LAND DISTURBANCE SHALL OCCUR OUTSIDE THE APPROVED LIMITS INDICATED ON THE APPROVED PLANS.

PRIOR TO ANY OTHER CONSTRUCTION, A STABILIZED CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED AT EACH POINT OF ENTRY TO OR EXIT FROM THE SITE OR ONTO ANY PUBLIC ROADWAY.

THE FOLLOWING INITIAL EROSION CONTROL MEASURES SHALL BE IMPLEMENTED PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY.

1. THE CONSTRUCTION EXIT, CONSISTING OF A MINIMUM PAD SIZE OF 20 FEET BY 50 FEET WITH A MINIMUM OF 6" THICK STONE, SHALL BE PLACED AS SHOWN ON THE PLAN. THE STONE SIZE SHOULD CONSIST OF COURSE AGGREGATE BETWEEN 1-1/2" & 3-1/2" IN DIAMETER AND OVERLAY ON A GEOTEXTILE UNDERLINER. THE GEOTEXTILE UNDERLINER SHALL MEET THE REQUIREMENTS OF ASHTO M268-96, SECTION 7.3 SEPARATION REQUIREMENTS.
2. IMMEDIATELY AFTER THE ESTABLISHMENT OF CONSTRUCTION ENTRANCE/EXITS, ALL PERIMETER EROSION CONTROL AND STORM WATER MANAGEMENT DEVICES SHALL BE INSTALLED AS SHOWN ON THE CLEARING PHASE EROSION CONTROL PLAN.
3. SILT FENCE SHOULD BE INSTALLED AT THE PERIMETER OF THE DISTURBED AREA AS SHOWN ON THE PLAN. THE SILT FENCE SHOULD BE PLACED IN ACCORDANCE WITH THE MANUAL FOR EROSION CONTROL IN GEORGIA, TABLE 6-20.2. THE SILT FENCE SHOULD BE KEPT UPRIGHT AT ALL TIMES AND REPAIRED WHEN REQUESTED BY THE SITE INSPECTOR OR THE PROJECT DESIGN PROFESSIONAL OF RECORD. SILT SHOULD BE REMOVED WHEN ACCUMULATION REACHES ½ HEIGHT OF THE BARRIER. THE PERIMETER SILT FENCE SHOULD BE INSPECTED DAILY FOR ANY FAILURES. ANY FAILURES OF SAND FENCING SHOULD BE REPAIRED IMMEDIATELY.
4. INLET SEDIMENT PROTECTION MEASURES SHALL BE INSTALLED ON ALL EXISTING STORM STRUCTURES AS SHOWN ON THE PLAN. SEE SEPARATE DETAILS FOR SPECIFICS ON TYPE OF INLET PROTECTION SPECIFIED.
5. STONE CHECK DAMS SHALL BE INSTALLED IN AREAS OF CONCENTRATED FLOWS AS SHOWN ON THE PLAN.
6. TREE PROTECTION FENCING SHOULD BE INSTALLED PRIOR TO THE START OF ANY LAND DISTURBANCE ACTIVITY AND MAINTAINED UNTIL FINAL LANDSCAPE IS INSTALLED. THE TREE PROTECTION FENCING SHOULD BE INSPECTED DAILY. ANY FAILURES OF SAND FENCING SHOULD BE REPAIRED IMMEDIATELY.

WITHIN 7 DAYS OF INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMP'S, THE SITE CONTRACTOR SHALL SCHEDULE AN INSPECTION BY THE PROJECT DESIGN PROFESSIONAL. NO OTHER CONSTRUCTION ACTIVITIES SHALL OCCUR UNTIL THE PROJECT DESIGN PROFESSIONAL APPROVES THE INSTALLATION OF SOIL EROSION CONTROL MEASURES. IF UNFORESEEN CONDITIONS EXIST IN THE FIELD THAT WARRANT ADDITIONAL EROSION CONTROL MEASURES, THE CONTRACTOR MUST CONSTRUCT ANY ADDITIONAL EROSION DEVICES DEEMED NECESSARY BY THE SITE INSPECTION.

AFTER APPROVAL OF THE INITIAL EROSION CONTROL INSTALLATION, THE CONTRACTOR MAY PROCEED WITH CLEARING AND GRUBBING ACTIVITIES. AS CLEARING PERMITS THE CONTRACTOR SHALL CONTROL EROSION AND STORM WATER RUN OFF.

THE CONTRACTOR CAN UTILIZE CLEARED TREES AS BARRIER BRUSH SEDIMENT CONTROL IN AREAS SHOWN ON PLAN WHERE INITIAL GRADING ACTIVITIES WILL NOT OCCUR.

NO BURN OR BURY PITS SHALL BE PERMITTED ON THE CONSTRUCTION SITE WITHOUT WRITTEN PERMISSION BY THE OWNER AND/OR THE ENGINEER OF RECORD.

ADDITIONAL SILT BARRIERS MUST BE PLACED AS SHOWN ON THE PLAN AS ACCESS IS OBTAINED DURING CLEARING. NO GRADING SHALL TAKE PLACE UNTIL SILT BARRIER INSTALLATION AND SEDIMENT PONDS ARE CONSTRUCTED AS SHOWN ON THE CLEARING PHASE EROSION CONTROL PLAN.

ALL SILT FENCE MUST MEET THE REQUIREMENTS OF SECTION 171-TEMPORARY SILT FENCE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF GEORGIA, STANDARD SPECIFICATIONS, 1983 EDITION.

ALL ITEMS IN THIS SECTION OF THE SPECIFICATIONS SHALL MEET THE REQUIREMENTS AS SET FORTH IN SECTION 161, 162, 163, AND 164 OF THE GEORGIA D.O.T. STANDARD SPECIFICATIONS, FOR ROADS AND BRIDGES.

MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 7 DAYS OF LAND DISTURBANCE.

ALL DISTURBED AREAS LEFT MULCHED AFTER 30 DAYS SHALL BE STABILIZED WITH TEMPORARY VEGETATION.

SEDIMENT AND EROSION CONTROL MEASURES SHOULD BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE HALF THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED.

THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACK OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1-3" OF STONE, AS CONDITIONS DEMAND. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM THE VEHICLE ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED IMMEDIATELY.

CONTRACTOR SHALL INSPECT CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.

EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE AS DIRECTED BY THE ON SITE INSPECTOR OR THE CIVIL ENGINEER.

FAILURE TO INSTALL, OPERATE, OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE APPROVED EROSION CONTROL PLANS.

INTERMEDIATE PHASE

EROSION CONTROL NOTES:

DURING CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN CAREFUL SCHEDULING AND PERFORMANCE TO ENSURE THAT LAND STRIPPED OF ITS NATURAL GROUND COVER IS EXPOSED ONLY IN SMALL QUANTITIES AND THEREFORE LIMITED DURATION, BEFORE PERMANENT EROSION PROTECTION IS ESTABLISHED. NOTE SUB PHASES SHOWN ON PLANS.

EARTHWORK OPERATIONS IN THE VICINITY OF STREAM BUFFERS SHALL BE CAREFULLY CONTROLLED TO AVOID DUMPING OR SLOUGHING INTO THE BUFFER AREAS.

EROSION CONTROL MEASURES SHALL BE IMPLEMENTED DURING THE PRELIMINARY GRADING PHASE OF CONSTRUCTION.

SEDIMENT TRAPS SHALL BE DISPOSED OF AND STABILIZED SO THAT IT WILL NOT ENTER THE INLETS AGAIN.

EROSION CONTROL DEVICES SHALL BE INSTALLED IMMEDIATELY AFTER GROUND DISTURBANCE OCCURS. THE LOCATION OF SOME OF THE EROSION CONTROL DEVICES MAY HAVE TO BE ALTERED FROM THAT SHOWN ON THE APPROVED PLANS IF DRAINAGE PATTERNS DURING CONSTRUCTION ARE DIFFERENT FROM THE PROPOSED DRAINAGE PATTERNS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT VARIOUS STAGES DURING CONSTRUCTION. ANY CONSTRUCTION SHALL BE REPORTED TO THE DESIGN PROFESSIONAL IMMEDIATELY.

THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY BARRICADES WHILE ROADWAY FRONTAGE IMPROVEMENTS ARE BEING MADE.

TYPE "A" SILT FENCE SHOULD BE INSTALLED AT THE TOE OF ALL FILL SLOPES 10 FEET OR GREATER IN HEIGHT. THE SILT FENCE SHOULD BE PLACED IN ACCORDANCE WITH THE MANUAL FOR EROSION CONTROL IN GEORGIA, TABLE 6-20.2. THE SILT FENCES SHALL BE MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED ON THE SLOPE. SILT SHALL BE REMOVED WHEN ACCUMULATION REACHES ½ HEIGHT OF THE BARRIER. ADDITIONALLY, DIVERSION DIKES SHALL BE CONSTRUCTED ALONG THE TOP OF ALL SAID FILL SLOPES WITH THE USE OF TEMPORARY DOWN DRAINS TO CONTROL STORM WATER RUN OFF AS SHOWN ON THE PLANS. SEE SEPARATE DETAILS FOR ADDITIONAL INFORMATION.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING BARRIERS AT THE TOE OF SLOPES UNDER CONSTRUCTION. THESE BARRIERS SHALL BE AS SHOWN IN THE PLANS. THESE BARRIERS MAY BE RELOCATED AND REUSED AFTER PERMANENT SLOPE STABILIZATION BECOMES FULLY ESTABLISHED. AS THEY ARE RELOCATED, ANY DEFECTIVE MATERIALS IN THE BARRIER SHALL BE REPLACED. IN ADDITION, ALL DEBRIS AND SILT AT THE PREVIOUS LOCATION SHALL BE REMOVED.

CUT AND FILL SLOPES ARE NOT TO EXCEED "2H: 1V".

ALL SLOPES STEEPER THAN 2.5:1 AND WITH A HEIGHT OF TEN FEET OR GREATER, AND CUTS AND FILLS WITHIN STREAM BUFFERS, SHALL BE ESTABLISHED WITH APPROPRIATE EROSION CONTROL MATTING OR BLANKETS. SEE SEPARATE DETAILS FOR ADDITIONAL INFORMATION.

TYPE "A" SILT FENCE SHALL BE PLACED AT THE TOE OF ALL DIRT STOCK PILE AREAS. SEE SEPARATE DETAILS FOR ADDITIONAL INFORMATION.

INLET SEDIMENT PROTECTION MEASURES SHALL BE INSTALLED ON ALL STORM STRUCTURES AS THEY ARE CONSTRUCTED. SEE PLAN VIEW FOR SPECIFIC TYPE AND SEPARATE DETAILS FOR ADDITIONAL INFORMATION ON TYPE OF INLET PROTECTION SPECIFIED.

STORM DRAIN OUTLET PROTECTION SHALL BE PLACED AT ALL OUTLET HEADWALLS AS SOON AS THE HEADWALL IS CONSTRUCTED. SEE SEPARATE DETAILS FOR ADDITIONAL INFORMATION.

STONE CHECK DAMS SHALL BE INSTALLED IN AREAS OF CONCENTRATED FLOWS AS SHOWN ON THE PLAN. SEE SEPARATE DETAIL FOR ADDITIONAL INFORMATION.

ALL DRAINAGE SWALES SHALL BE APPLIED WITH VEGETATIVE COVER AS SOON AS FINAL GRADE IS ACHIEVED.

ALL GRADED AREAS SHALL BE APPLIED WITH VEGETATIVE COVER AS SOON AS FINAL GRADE IS ACHIEVED.

MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 7 DAYS OF LAND DISTURBANCE.

ALL DISTURBED AREAS LEFT MULCHED AFTER 30 DAYS SHALL BE STABILIZED WITH TEMPORARY GRASSING.

AFTER PRELIMINARY GRADING ACTIVITIES, THE CONTRACTOR SHALL CONSTRUCT TEMPORARY SEDIMENT BASINS AND DIVERSION DIKES AS SHOWN ON PLAN. THE CONTRACTOR SHALL MAINTAIN THE SEDIMENT POND UNTIL THE PERMANENT GROUND COVER IS ESTABLISHED. SEDIMENT SHALL BE CLEANED OUT OF THE PONDS WHEN IT REACHES THE 1/3 DEPTH OF BASIN. SEE SEPARATE DETAILS FOR ADDITIONAL INFORMATION.

SEDIMENT AND EROSION CONTROL MEASURES SHOULD BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE HALF THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED.

THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACK OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1-3" OF STONE, AS CONDITIONS DEMAND. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLE ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED IMMEDIATELY.

CONTRACTOR SHALL INSPECT CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.

EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE AS DIRECTED BY THE ON SITE INSPECTOR OR THE CIVIL ENGINEER.

FAILURE TO INSTALL, OPERATE OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE APPROVED EROSION CONTROL PLANS.

FINAL PHASE

EROSION CONTROL NOTES:

THE FOLLOWING EROSION CONTROL MEASURES SHALL BE IMPLEMENTED DURING THE FINAL EROSION CONTROL PHASE OF CONSTRUCTION.

SEDIMENT SHALL NOT BE WASHED INTO INLETS. IT SHALL BE REMOVED FROM THE SEDIMENT TRAPS AND DISPOSED OF AND STABILIZED SO THAT IT WILL NOT ENTER THE INLETS AGAIN.

MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 7 DAYS OF LAND DISTURBANCE.

ALL DISTURBED AREAS LEFT MULCHED AFTER 30 DAYS SHALL BE STABILIZED WITH TEMPORARY GRASSING.

THE CONTRACTOR SHALL MAINTAIN ALL SEDIMENT PONDS AND EROSION CONTROL MEASURES UNTIL PERMANENT GROUND COVER IS ESTABLISHED. SEDIMENT SHALL BE CLEANED OUT OF THE PONDS WHEN IT REACHES THE HALF WAY POINT ON THE RISER.

AFTER CURBING, GRADED AGGREGATE BASE, AND PAVEMENT HAS BEEN INSTALLED, ALL INLET SEDIMENT TRAPS ON SINGLE AND DOUBLE WING CATCH BASINS ALONG WITH ANY CURB INLETS SHALL BE REMOVED AND REPLACED WITH CURB FILTER INLET PROTECTION. SEE SEPARATE DETAIL FOR ADDITIONAL INFORMATION.

ALL ROADWAY AND PARKING SHOULDERS SHOULD BE APPLIED WITH VEGETATIVE COVER AS SOON AS FINAL GRADE IS ACHIEVED BEHIND CURBS.

SEDIMENT AND EROSION CONTROL MEASURES SHOULD BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE HALF THE CAPACITY OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NEW CHANNELS HAVE DEVELOPED.

THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACK OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1-3" OF STONE, AS CONDITIONS DEMAND. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLE ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED IMMEDIATELY.

CONTRACTOR SHALL INSPECT CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.

EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE AS DIRECTED BY THE ON SITE INSPECTOR OR THE CIVIL ENGINEER.

FAILURE TO INSTALL, OPERATE OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE APPROVED EROSION CONTROL PLANS.

UPON COMPLETION OF THE PROJECT AND RECEIPT OF CERTIFICATE OF OCCUPANCY, THE CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION CONTROL MEASURES AND DISPOSE OF THEM UNLESS NOTED ON PLANS.

AT THE END OF EACH WORK DAY, ALL SLOPES 2:1 OR STEEPER AND HIGHER THAN 5 FEET SHALL RECEIVE SURFACE ROUGHENING, POLYMERS, AND EROSION CONTROL MATTING. ADDITIONALLY, ALL FILL SLOPES SHALL RECEIVE A DIVERSION DIKE AND TEMPORARY DOWN DRAINS ALONG THE TOP OF THE SLOPE PREVENTING DRAINAGE SPILLING OVER THE EDGE AND DOWN THE FACE OF THE SLOPE. THE TEMPORARY DOWN DRAINS SHALL BE CONSTRUCTED WITH PERFORATED STAND PIPES AT THE TOP OF THE SLOPE AND RECONSTRUCTED EACH DAY AS THE SLOPE INCREASES IN HEIGHT.

DURING CONSTRUCTION PERMANENT GRASSING WILL BE IMPLEMENTED TO CONTROL STORM WATER POLLUTANTS AFTER CONSTRUCTION OPERATIONS HAVE BEEN COMPLETED.

BUILDING MATERIALS AND BUILDING PRODUCTS SHALL BE COVERED WITH A TARP.

NARRATIVE OF LAND DISTURBING ACTIVITY PERMIT FOR:

BRIGGSTON ROAD ROAD

DESCRIPTION: THE PROPOSED PROJECT IS WITHIN THE RW OF BRIGGSTON ROAD IN LOWNDES COUNTY, GEORGIA IN LAND LOTS 24, 25, AND 26 OF THE 16th LAND DISTRICT.

EXISTING FEATURES: THE SITE IS CURRENTLY UNPAVED WITH DIRT DITCHES, ACCORDING TO THE SOIL SURVEY FOR LOWNDES COUNTY, THE SITE IS COVERED WITH FULQUAY LOAMY SAND, JOHNSTON LOAM, LEEFIELD LOAMY SAND, MASCOFFE SAND, OLUSTEE SAND, PELHAM LOAMY SAND, & TIFTON LOAMY SAND.

PROPOSED FEATURES: IT IS PROPOSED TO CONSTRUCT A PAVED ROAD WITH ASSOCIATED DRIVEWAYS AND DRAINAGE INFRASTRUCTURE. THE SITE WILL BE GRADED TO MATCH EXISTING ELEVATIONS AS MUCH AS POSSIBLE. STORM WATER WILL BE DIRECTED TO DITCHES AND CULVERTS AND THEN TO OUTFALL LOCATIONS.

STANDARDS AND SPECIFICATIONS: ALL EROSION AND SEDIMENT CONTROL MEASURES WILL CONFORM TO AND WORK WILL BE PERFORMED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE MANUAL OF EROSION AND SEDIMENT CONTROL IN GEORGIA.

EROSION CONTROL PROGRAM: THE SITE LAYOUT AND GRADING PLAN ARE SUCH THAT CLEARING OF EXISTING VEGETATION WILL BE KEPT TO A MINIMUM. VEGETATION AND MULCH WILL BE APPLIED TO EXPOSED AREAS IMMEDIATELY AFTER GRADING IS COMPLETED.

SEDIMENT CONTROL PROGRAM: SILT FENCING WILL BE INSTALLED ALONG THE LOW SIDES OF GRADED AREAS BEFORE GRADING OPERATIONS TAKE PLACE. ALL DISTURBED AREAS ARE TO BE GRASSED AND MULCHED. A TEMPORARY CONSTRUCTION ENTRANCES/EXIT WILL BE INSTALLED WHERE CONSTRUCTION VEHICLES ENTER AND LEAVE THE SITE.

MAINTENANCE PROGRAM: NO PROBLEMS ARE ANTICIPATED WITH EROSION CONTROL ON THIS SITE PROVIDED THE MEASURES SHOWN ON THE EROSION CONTROL PLAN ARE FOLLOWED AND BEST MANAGEMENT PRACTICES ARE USED DURING CONSTRUCTION. ALL SEDIMENT CONTROL MEASURES WILL REMAIN IN PLACE UNTIL CONTRIBUTING AREAS ARE STABILIZED. ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSPECTED DAILY. ANY DAMAGES OBSERVED WILL BE REPAIRED BY THE END OF THAT DAY. CLEAN OUT OF SEDIMENT CONTROL STRUCTURES WILL BE ACCOMPLISHED IN ACCORDANCE WITH THE SPECIFICATIONS AND THE SEDIMENT DISPOSED OF PROPERLY.

24-HOUR CONTACT: MIKE FLETCHER (229) 671-2424

DATE	REVISIONS PER COUNTY COMMENTS
02/24/2023	REVISIONS PER COUNTY COMMENTS
03/09/2023	REVISIONS PER COUNTY COMMENTS
05/01/2023	REVISIONS PER COUNTY COMMENTS
07/14/2023	REVISIONS PER COUNTY COMMENTS

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PAVING IMPROVEMENTS
LOWNDES COUNTY, GEORGIA
L.L. 20, 21, 24, 25, & 26 OF THE 16TH L.D.
& L.L. 70 & 71 OF THE 11TH L.D.

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LEVEL II CERT. 8141
DATE: 09/14/2022
DRAWN BY: M. WILSON
CHECKED BY: B. KENT

SHEET
32 of 47

PROJECT NUMBER
1669

NPDES PERMIT COVERAGE:
THIS PLAN HAS BEEN PREPARED TO MEET THE REQUIREMENTS UNDER THE STATE OF GEORGIA, DEPARTMENT OF NATURAL RESOURCES, ENVIRONMENTAL PROTECTION DIVISION (EPD), GENERAL PERMIT NO. GAR 10000 FOR AUTHORIZATION TO DISCHARGE UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES), STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY FOR INFRASTRUCTURE.

- AUTHORIZED DISCHARGES:**
- ALL DISCHARGES OF STORMWATER ASSOCIATED WITH CONSTRUCTION ACTIVITY THAT WILL RESULT IN LAND DISTURBANCE EQUAL TO OR GREATER THAN ONE ACRE. (PART I.C.1)
 - ALL DISCHARGES COVERED BY THIS PERMIT SHALL BE COMPOSED ENTIRELY OF STORMWATER EXCEPT AS PROVIDED IN PART I.C.2 AND PART III.A.2 OF THE PERMIT. (PART III.A.1)
 - AUTHORIZED MIXED STORMWATER DISCHARGES: (PART I.C.2)
 - THE INDUSTRIAL SOURCE OR ACTIVITY OTHER THAN CONSTRUCTION IS LOCATED ON THE SAME SITE AS THE CONSTRUCTION ACTIVITY AND IS AN INTEGRAL PART OF THE CONSTRUCTION ACTIVITY.
 - THE STORMWATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITIES ARE OCCURRING ARE IN COMPLIANCE WITH THE TERMS OF THE PERMIT.
 - THE STORMWATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE AREAS OF THE SITE WHERE INDUSTRIAL ACTIVITY OTHER THAN CONSTRUCTION ARE OCCURRING ARE COVERED BY A DIFFERENT NPDES GENERAL PERMIT OR INDIVIDUAL PERMIT AUTHORIZING SUCH DISCHARGES AND THE DISCHARGES ARE IN COMPLIANCE WITH A DIFFERENT NPDES PERMIT.
 - AUTHORIZED NON-STORMWATER DISCHARGES: (PART III.A.2)
 - FIRE FIGHTING ACTIVITIES
 - FIRE HYDRANT FLUSHING
 - POTABLE WATER SOURCES INCLUDING WATER LINE FLUSHING
 - IRRIGATION DRAINAGE
 - AIR CONDITIONING CONDENSATE
 - SPRINGS
 - UNCONTAMINATED GROUND WATER
 - FOUNDATION OR FOOTING DRAINS WHERE FLOWS ARE NOT CONTAMINATED WITH PROCESS MATERIALS OR POLLUTANTS

LIMITATIONS ON COVERAGE: (PART I.C.3)

- THE FOLLOWING STORMWATER DISCHARGES FROM CONSTRUCTION SITES ARE NOT AUTHORIZED BY THIS PERMIT:
 - STORMWATER DISCHARGES ASSOCIATED WITH AN INDUSTRIAL ACTIVITY THAT ORIGINATES FROM THE SITE AFTER CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED AND THE SITE HAS UNDERGONE FINAL STABILIZATION.
 - DISCHARGES THAT ARE MIXED WITH SOURCES OF NON-STORMWATER OTHER THAN DISCHARGES WHICH ARE IDENTIFIED IN PART III.A.2 OF THIS PERMIT AND WHICH ARE IN COMPLIANCE WITH PART IV.D.7 (NON-STORMWATER DISCHARGES) OF THIS PERMIT.
 - STORMWATER DISCHARGES ASSOCIATED WITH AN INDUSTRIAL ACTIVITY THAT ARE SUBJECT TO AN EXISTING NPDES INDIVIDUAL OR GENERAL PERMIT. SUCH DISCHARGES MAY BE AUTHORIZED UNDER THIS PERMIT AFTER AN EXISTING PERMIT EXPIRES PROVIDED THE EXISTING PERMIT DID NOT ESTABLISH NUMERIC LIMITATIONS FOR SUCH DISCHARGES.
 - STORMWATER DISCHARGES FROM CONSTRUCTION SITES THAT THE DIRECTOR (EPD) HAS DETERMINED TO BE OR MAY REASONABLY BE EXPECTED TO BE CONTRIBUTING TO A VIOLATION OF A WATER QUALITY STANDARD.
- WHERE A RELEASE CONTAINING A HAZARDOUS SUBSTANCE IN AN AMOUNT EQUAL TO OR IN EXCESS OF A REPORTING QUANTITY ESTABLISHED UNDER EITHER GEORGIA'S OIL OR HAZARDOUS MATERIAL SPILLS OR RELEASES ACT (O.C.G.A. §§12-14-2, ET SEQ), 40 CFR 117 OR 40 CFR 302 OCCURS DURING A 24-HOUR PERIOD, THE PERMITTEE IS REQUIRED TO NOTIFY THE FOLLOWING AGENCIES IN ACCORDANCE WITH THE ABOVE-MENTIONED REGULATIONS AS SOON AS HE HAS KNOWLEDGE OF THE DISCHARGE. EPD AT (404)656-4863 OR (800) 241-4113, OR THE NATIONAL RESPONSE CENTER (NRC) AT (800) 424-8802. (PART III.B.1)
- THIS PERMIT DOES NOT AUTHORIZE THE DISCHARGE OF HAZARDOUS SUBSTANCES OR OIL RESULTING FROM AN ONSITE SPILL. (PART III.B.2)

WATER QUALITY COMPLIANCE: (PART I.C.4)

ALL DISCHARGES AUTHORIZED BY THIS PERMIT SHALL NOT CAUSE VIOLATIONS OF GEORGIA'S IN-STREAM WATER QUALITY STANDARDS AS PROVIDED BY THE RULES AND REGULATIONS FOR WATER QUALITY CONTROL, CHAPTER 391-3-6-.03.

INSPECTION: (PART IV.D.4)

- EACH DAY WHEN ANY TYPE OF CONSTRUCTION ACTIVITY HAS TAKEN PLACE AT A PRIMARY PERMITTEE'S SITE, CERTIFIED PERSONNEL PROVIDED BY THE PRIMARY PERMITTEE SHALL INSPECT: (A) ALL AREAS AT THE PRIMARY PERMITTEE'S SITE WHERE PETROLEUM PRODUCTS ARE STORED, USED, OR HANDLED FOR SPILLS AND LEAKS FROM VEHICLES AND EQUIPMENT; (B) ALL LOCATIONS AT THE PRIMARY PERMITTEE'S SITE WHERE VEHICLES ENTER OR EXIT THE SITE FOR EVIDENCE OF OFF-SITE SEDIMENT TRACKING; AND (C) MEASURE RAINFALL ONCE EACH 24 HOUR PERIOD AT THE SITE. THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED.
- CERTIFIED PERSONNEL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT THE FOLLOWING AT LEAST TWICE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES RAINFALL OR GREATER (UNLESS SUCH STORM ENDS AFTER 5:00 PM ON ANY FRIDAY OR ON ANY NONWORKING SATURDAY, NON-WORKING SUNDAY OR ANY NON-WORKING FEDERAL HOLIDAY IN WHICH CASE THE INSPECTION SHALL BE COMPLETED BY THE END OF THE NEXT BUSINESS DAY AND/OR WORKING DAY, WHICHEVER OCCURS FIRST): (A) DISTURBED AREAS OF THE PRIMARY PERMITTEE'S CONSTRUCTION SITE THAT HAVE NOT UNDERGONE FINAL STABILIZATION; (B) AREAS USED BY THE PRIMARY PERMITTEE FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION THAT HAVE NOT UNDERGONE FINAL STABILIZATION; AND (C) STRUCTURAL CONTROL MEASURES, EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN APPLICABLE TO THE PRIMARY PERMITTEE'S SITE SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY, WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE. THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATER(S). FOR AREAS OF A SITE THAT HAVE UNDERGONE FINAL STABILIZATION, THE PERMITTEE MUST COMPLY WITH PART IV.D.4.A.(3). THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED.
- CERTIFIED PERSONNEL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT AT LEAST ONCE PER MONTH DURING THE TERM OF THIS PERMIT (I.E., UNTIL A NOTICE OF TERMINATION IS RECEIVED BY EPD) THE AREAS OF THE SITE THAT HAVE UNDERGONE FINAL STABILIZATION. THESE AREAS SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM AND THE RECEIVING WATER(S). EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY, WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE. THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATER(S).
- BASED ON THE RESULTS OF EACH INSPECTION, THE SITE DESCRIPTION AND THE POLLUTION PREVENTION AND CONTROL MEASURES IDENTIFIED IN THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, THE PLAN SHALL BE REVISED AS APPROPRIATE NOT LATER THAN SEVEN (7) CALENDAR DAYS FOLLOWING EACH INSPECTION. IMPLEMENTATION OF SUCH CHANGES SHALL BE MADE AS SOON AS PRACTICAL BUT IN NO CASE LATER THAN SEVEN (7) CALENDAR DAYS FOLLOWING EACH INSPECTION.
- A REPORT OF EACH INSPECTION THAT INCLUDES THE NAME(S) OF PERSONNEL MAKING EACH INSPECTION, THE DATE(S) OF EACH INSPECTION, MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, AND ACTIONS TAKEN IN ACCORDANCE WITH PART IV.D.4.A.(4) OF THE PERMIT SHALL BE MADE AND RETAINED AT THE SITE OR BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION UNTIL THE ENTIRE SITE OR THAT PORTION OF A CONSTRUCTION PROJECT THAT HAS BEEN PHASED HAS UNDERGONE FINAL STABILIZATION AND A NOTICE OF TERMINATION IS SUBMITTED TO EPD. SUCH REPORTS SHALL IDENTIFY ANY INCIDENTS OF NON-COMPLIANCE, WHERE THE REPORT DOES NOT IDENTIFY ANY INCIDENTS OF NON-COMPLIANCE, THE REPORT SHALL CONTAIN A CERTIFICATION THAT THE CONSTRUCTION SITE IS IN COMPLIANCE WITH THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN AND THIS PERMIT. THE REPORT SHALL BE SIGNED IN ACCORDANCE WITH PART V.G. OF THIS PERMIT.

SAMPLING METHODOLOGY (PART IV.D.6.b):

ALL SAMPLING SHALL BE COLLECTED BY "GRAB SAMPLES" AND THE ANALYSIS OF THESE SAMPLES MUST BE CONDUCTED IN ACCORDANCE WITH METHODOLOGY AND TEST PROCEDURES ESTABLISHED BY 40 CFR PART 136 (UNLESS OTHER TEST PROCEDURES HAVE BEEN APPROVED). THE GUIDANCE DOCUMENT TITLED "NPDES STORMWATER SAMPLING GUIDANCE DOCUMENT, EPA 833-B-92-001" AND GUIDANCE DOCUMENTS THAT MAY BE PREPARED BY THE EPD.

- SAMPLE CONTAINERS SHOULD BE LABELED PRIOR TO COLLECTING THE SAMPLES.

- LARGE MOUTH, CLEAN AND RINSED GLASS OR PLASTIC JARS WITH A MINIMUM SAMPLE SIZE OF 200 MILLILITERS SHOULD BE USED FOR COLLECTING SAMPLES.
- SAMPLES SHOULD BE TAKEN FROM THE HORIZONTAL AND VERTICAL CENTER OF THE RECEIVING WATER(S) OR THE STORMWATER OUTFALL CHANNEL(S).
- SAMPLES SHOULD BE WELL MIXED BEFORE TRANSFERRING TO A SECONDARY CONTAINER.
- MANUAL, AUTOMATIC OR RISING STAGE SAMPLING MAY BE UTILIZED. SAMPLES REQUIRED BY THIS PERMIT SHOULD BE ANALYZED IMMEDIATELY, BUT IN NO CASE LATER THAN 48 HOURS AFTER COLLECTION. HOWEVER, SAMPLES FROM AUTOMATIC SAMPLERS MUST BE COLLECTED NO LATER THAN THE NEXT BUSINESS DAY AFTER THE ACCUMULATION, UNLESS FLOW THROUGH AUTOMATED ANALYSIS IS UTILIZED.
- IF MANUAL SAMPLING IS EMPLOYED, THE SAMPLING CONTAINER SHOULD BE HELD SO THAT THE OPENING FACES UPSTREAM. THE SAMPLES SHOULD BE KEPT FREE FROM FLOATING DEBRIS, AND CARE SHOULD BE TAKEN TO AVOID STIRRING THE BOTTOM SEDIMENTS IN THE RECEIVING WATER(S) OR IN THE OUTFALL STORM WATER CHANNEL.
- THE UPSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE TAKEN AT THE DISCHARGE FARTHEST UPSTREAM AT THE SITE BUT DOWNSTREAM OF ANY OTHER STORM WATER DISCHARGES NOT ASSOCIATED WITH THE PERMITTED ACTIVITY. WHERE APPROPRIATE, SEVERAL UPSTREAM SAMPLES FROM ACROSS THE RECEIVING WATER(S) MAY NEED TO BE TAKEN AND THE ARITHMETIC AVERAGE OF THE TURBIDITY OF THESE SAMPLES USED FOR THE UPSTREAM TURBIDITY VALUE.
- THE DOWNSTREAM SAMPLES FOR EACH RECEIVING WATER(S) MUST BE TAKEN AT THE DISCHARGE FARTHEST DOWNSTREAM AT THE SITE BUT UPSTREAM OF ANY OTHER STORM WATER DISCHARGE NOT ASSOCIATED WITH THE PERMITTED ACTIVITY. WHERE APPROPRIATE, SEVERAL DOWNSTREAM SAMPLES FROM ACROSS THE RECEIVING WATER(S) MAY NEED TO BE TAKEN AND THE ARITHMETIC AVERAGE OF THE TURBIDITY OF THESE SAMPLES USED FOR THE DOWNSTREAM TURBIDITY VALUE.
- PERMITTEE'S DO NOT HAVE TO SAMPLE SHEET FLOW THAT FLOWS ONTO UNDISTURBED NATURAL AREAS OR AREAS STABILIZED BY THE PROJECT.
- DILUTION OF SAMPLES IS NOT REQUIRED.
- SAMPLES MAY BE ANALYZED USING A DIRECT READING, PROPERLY CALIBRATED TURBIDIMETER.
- SAMPLES ARE NOT REQUIRED TO BE COOLED.
- SAMPLING AND ANALYSIS OF THE RECEIVING WATER(S) OR OUTFALLS BEYOND THE MINIMUM FREQUENCY STATED IN THE PERMIT MUST BE REPORTED TO EPD AS SPECIFIED IN PART IV.E OF THE PERMIT.
- TURBIDITY RESULTS WHICH EXCEED 1000 NTU SHALL BE REPORTED AS "EXCEEDS 1000 NTU."

SAMPLING FREQUENCY: (PART IV.D.5D):

- SAMPLING FREQUENCY SHALL OCCUR IN ACCORDANCE WITH PART IV.D.5.D OF THE PERMIT.
 - FOR A QUALIFYING EVENT, SAMPLES MUST BE TAKEN WITHIN FORTY-FIVE (45) MINUTES OF:
 - THE ACCUMULATION OF THE MINIMUM AMOUNT OF RAINFALL FOR THE QUALIFYING EVENT, IF THE STORM WATER DISCHARGE TO A MONITORED RECEIVING WATER OR FROM A MONITORED OUTFALL HAS BEGUN PRIOR TO THE ACCUMULATION.
 - THE BEGINNING OF ANY STORM WATER DISCHARGE TO A MONITORED RECEIVING WATER OR FROM A MONITORED OUTFALL IF THE DISCHARGE BEGINS AFTER THE ACCUMULATION OF THE MINIMUM AMOUNT OF RAINFALL FOR THE QUALIFYING EVENT.
 - WHERE MANUAL AND AUTOMATIC SAMPLING ARE NOT IMPOSSIBLE (AS DEFINED IN THE PERMIT), OR ARE BEYOND THE PERMITTEE'S CONTROL, THE PERMITTEE SHALL TAKE SAMPLES AS SOON AS POSSIBLE, BUT IN NO CASE MORE THAN TWELVE (12) HOURS AFTER THE BEGINNING OF THE STORM WATER DISCHARGE.
 - NORMAL BUSINESS HOURS, AS DEFINED BY THE PERMIT, ARE MONDAY THROUGH FRIDAY, 8:00AM TO 5:00 PM AND SATURDAY 8:00 AM TO 5:00 PM WHEN CONSTRUCTION ACTIVITY IS BEING CONDUCTED BY THE PRIMARY PERMITTEE.
 - SAMPLING SHALL OCCUR FOR THE FOLLOWING QUALIFYING EVENTS FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING STREAM:
 - THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH AND ALLOWS FOR MONITORING DURING NORMAL BUSINESS HOURS THAT OCCURS AFTER ALL CLEARING AND GRUBBING OPERATIONS HAVE BEEN COMPLETED IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE REPRESENTATIVE SAMPLING LOCATION.
 - THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH AND ALLOWS FOR MONITORING DURING NORMAL BUSINESS HOURS THAT OCCURS EITHER 90 DAYS AFTER THE FIRST SAMPLING EVENT OR AFTER ALL MASS GRADING OPERATIONS HAVE BEEN COMPLETED IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE REPRESENTATIVE SAMPLING LOCATION.
 - IF BMPs IN ANY AREA OF THE SITE THAT DISCHARGES TO A RECEIVING STREAM ARE NOT PROPERLY DESIGNED, INSTALLED AND MAINTAINED, CORRECTIVE ACTION SHALL BE DEFINED AND IMPLEMENTED WITH 2 BUSINESS DAYS, AND TURBIDITY SAMPLES SHALL BE TAKEN FROM DISCHARGES FROM THAT AREA OF THE SITE FOR EACH SUBSEQUENT RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH DURING NORMAL BUSINESS HOURS UNTIL THE SELECTED TURBIDITY STANDARD IS ATTAINED, OR UNTIL POST-STORM EVENT INSPECTIONS DETERMINE THAT BMPs ARE PROPERLY DESIGNED, INSTALLED AND MAINTAINED.
- THE PERMITTEE MAY CHOOSE TO MEET THE REQUIREMENTS OF NO. 5.1 AND NO.5.2 BY COLLECTING TURBIDITY SAMPLES FROM ANY RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH AND ALLOWS FOR MONITORING AT ANY TIME OF THE DAY OR WEEK.

REPORTING (PART IV.E):

- THE APPLICABLE PERMITTEES ARE REQUIRED TO SUBMIT A SUMMARY OF THE MONITORING RESULTS TO THE EPD AT THE ADDRESS SHOWN IN PART II.C. BY THE FIFTEENTH DAY OF THE MONTH FOLLOWING THE REPORTING PERIOD. REPORTING PERIODS ARE MONTHS DURING WHICH SAMPLES ARE TAKEN IN ACCORDANCE WITH THIS PERMIT. SAMPLING RESULTS SHALL BE IN A CLEARLY LEGIBLE FORMAT. UPON WRITTEN NOTIFICATION, EPD MAY REQUIRE THE APPLICABLE PERMITTEE TO SUBMIT THE SAMPLING RESULTS ON A MORE FREQUENT BASIS. SAMPLING AND ANALYSIS OF ANY STORM WATER DISCHARGE(S) OR THE RECEIVING WATER(S) BEYOND THE MINIMUM FREQUENCY STATED IN THIS PERMIT MUST BE REPORTED IN A SIMILAR MANNER TO THE EPD. THE SAMPLING REPORTS MUST BE SIGNED IN ACCORDANCE WITH PART V.G. SAMPLING REPORTS MUST BE SUBMITTED TO EPD UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI.
- ALL WRITTEN CORRESPONDENCE REQUIRED BY THIS PERMIT SHALL BE SUBMITTED BY RETURN RECEIPT CERTIFIED MAIL (OR SIMILAR SERVICE) TO THE APPROPRIATE DISTRICT OFFICE OF THE EPD ACCORDING TO THE SCHEDULE IN APPENDIX A OF THIS PERMIT. THE PERMITTEE SHALL RETAIN A COPY OF THE PROOF OF SUBMITTAL AT THE CONSTRUCTION SITE OF THE PROOF OF SUBMITTAL SHALL BE READILY AVAILABLE AT A DESIGNATED LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI.

3. ALL MONITORING RESULTS SHALL INCLUDE THE FOLLOWING INFORMATION:

- THE DATE, EXACT PLACE, AND TIME OF SAMPLING OR MEASUREMENT;
- THE NAME(S) OF THE INDIVIDUAL(S) WHO PERFORMED THE SAMPLING AND MEASUREMENTS;
- THE DATE(S) ANALYSES WERE PERFORMED;
- THE TIME(S) ANALYSIS WERE INITIATED;
- THE NAME(S) OF THE INDIVIDUAL(S) WHO PERFORMED THE ANALYSIS;
- REFERENCES AND WRITTEN PROCEDURES, WHEN AVAILABLE, FOR THE ANALYTICAL TECHNIQUES OR METHODS USED; AND
- THE RESULTS OF SUCH ANALYSIS, INCLUDING THE BENCH SHEETS, INSTRUMENT READOUTS, COMPUTER DISKS OR TAPES, ETC. USED TO DETERMINE THESE RESULTS.
- RESULTS WHICH EXCEED 1000 NTU SHALL BE REPORTED AS "EXCEEDS 1000 NTU."

RETENTION OF RECORDS (PART IV.F):

- THE PRIMARY PERMITTEE SHALL RETAIN THE FOLLOWING RECORDS AT THE CONSTRUCTION SITE OR THE RECORDS SHALL BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI:
 - A COPY OF ALL NOTICES OF INTENT SUBMITTED TO EPD;
 - A COPY OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN REQUIRED BY THIS PERMIT;
 - THE DESIGN PROFESSIONAL'S REPORT OF THE RESULTS OF THE INSPECTION CONDUCTED IN ACCORDANCE WITH PART IV.A.5. OF THIS PERMIT;
 - A COPY OF ALL MONITORING INFORMATION, RESULTS, AND REPORTS REQUIRED BY THIS PERMIT;
 - A COPY OF ALL INSPECTION REPORTS GENERATED IN ACCORDANCE WITH PART IV.D.4.a. OF THIS PERMIT;
 - A COPY OF ALL VIOLATION SUMMARIES AND VIOLATION SUMMARY REPORTS GENERATED IN ACCORDANCE WITH PART III.D.2 OF THIS PERMIT; AND

G. DAILY RAINFALL INFORMATION COLLECTED IN ACCORDANCE WITH PART IV.D.4.a.(1)(c) OF THIS PERMIT.

2. COPIES OF ALL NOTICES OF INTENT, NOTICES OF TERMINATION, REPORTS, PLANS, MONITORING REPORTS, MONITORING INFORMATION, INCLUDING ALL CALIBRATION AND MAINTENANCE RECORDS AND ALL ORIGINAL STRIP CHART RECORDINGS FOR CONTINUOUS MONITORING INSTRUMENTATION, EROSION, SEDIMENTATION AND POLLUTION CONTROL PLANS, RECORDS OF ALL DATA USED TO COMPLETE THE NOTICE OF INTENT TO BE COVERED BY THIS PERMIT AND ALL OTHER RECORDS REQUIRED BY THIS PERMIT SHALL BE RETAINED BY THE PERMITTEE WHO EITHER PRODUCED OR USED IT FOR A PERIOD OF AT LEAST THREE YEARS FROM THE DATE THAT THE NOT IS SUBMITTED IN ACCORDANCE WITH PART VI OF THIS PERMIT. THESE RECORDS MUST BE MAINTAINED AT THE PERMITTEE'S PRIMARY PLACE OF BUSINESS OR AT A DESIGNATED ALTERNATE LOCATION ONE THE CONSTRUCTION ACTIVITY HAS CEASED AT THE PERMITTED SITE. THIS PERIOD MAY BE EXTENDED BY REQUEST OF EPD AT ANY TIME UPON WRITTEN NOTIFICATION TO THE PERMITTEE.

POTENTIAL POLLUTANTS

THE FOLLOWING POTENTIAL POLLUTANTS TYPICALLY IDENTIFIED WITH CONSTRUCTION MAY BE PRESENT ON-SITE. POLLUTION PREVENTION MEASURES IMPLEMENTED, AS PART OF THIS PLAN WILL REDUCE THE POTENTIAL FOR CONTACT OF THESE POLLUTANTS WITH STORMWATER.

- PETROLEUM PRODUCTS
- CONSTRUCTION DEBRIS
- SILT
- FERTILIZERS
- PAINTS AND RELATED MATERIALS
- CHLORINATED WATER LINE FLUSHING
- SANITARY WASTE

SPILL PREVENTION:

MATERIAL MANAGEMENT PRACTICES:

GOOD HOUSEKEEPING: THE FOLLOWING GOOD HOUSEKEEPING PRACTICES SHALL BE FOLLOWED ONSITE DURING THE CONSTRUCTION PROJECT.

- AN EFFORT SHALL BE MADE TO STORE ONLY ENOUGH OF ANY PRODUCT UTILIZED ONSITE AS IS REQUIRED TO DO THE JOB.
- ALL MATERIALS STORED ONSITE SHALL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR APPROPRIATE CONTAINERS AND, IF POSSIBLE, UNDER A ROOF OR OTHER ENCLOSURE.
- PRODUCTS SHALL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURER'S LABEL.
- SUBSTANCES SHALL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER.
- WHENEVER POSSIBLE, ALL OF A PRODUCT SHALL BE USED UP BEFORE DISPOSING OF THE CONTAINER.
- MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL SHALL BE FOLLOWED.
- THE SITE SUPERINTENDENT SHALL INSPECT DAILY TO ENSURE PROPER USE AND DISPOSAL OF MATERIALS ONSITE.

HAZARDOUS PRODUCTS:

- HAZARDOUS PRODUCTS USED ON-SITE SHALL BE KEPT IN ORIGINAL CONTAINERS UNLESS THEY ARE NOT RESEALABLE.
- ORIGINAL LABELS AND MATERIAL SAFETY DATA SHEETS (MSDS) SHALL BE RETAINED ON SITE.
- SURPLUS HAZARDOUS PRODUCTS SHALL BE DISPOSED OF ACCORDING TO LOCAL, STATE, AND FEDERAL GUIDELINES.

PETROLEUM PRODUCTS:

- ALL VEHICLES SHALL BE MONITORED FOR PETROLEUM LEAKS.
- PETROLEUM PRODUCTS UTILIZED ON-SITE SHALL BE STORED APPROPRIATELY.
- ASPHALT SUBSTANCES UTILIZED ON-SITE SHALL BE APPLIED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

FERTILIZERS:

- FERTILIZERS USED FOR ENHANCEMENT OF STABILIZATION MEASURES SHALL BE APPLIED ACCORDING TO APPLICABLE RATE SCHEDULES.
- FERTILIZERS SHALL BE "WORKED" INTO THE SOIL TO MINIMIZE EXPOSURE TO STORMWATER.
- FERTILIZER MATERIALS STORED ON-SITE SHALL BE MANAGED IN A MANNER TO REDUCE THE POTENTIAL FOR STORMWATER CONTAMINATION.

PAINTS:

- PAINT MATERIALS ON-SITE SHALL BE STORED IN TIGHTLY SEALED CONTAINERS.
- EXCESS PAINT AND PAINT WASTE SHALL BE DISPOSED OF ACCORDING TO APPLICABLE LOCAL, STATE, AND FEDERAL GUIDELINES.

CONCRETE TRUCKS:

- ON-SITE DISCHARGE OF DRUM WASH FROM CONCRETE TRUCKS IS PROHIBITED.

SPILL CONTROL PRACTICES:

IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS SECTIONS OF THIS PLAN, THE FOLLOWING PRACTICES SHALL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:

- MANUFACTURERS' RECOMMENDED METHODS FOR SPILL CLEANUP SHALL BE CLEARLY POSTED AND SITE PERSONNEL SHALL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION AND CLEANUP SUPPLIES.
- MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP SHALL BE KEPT IN MATERIAL STORAGE AREA ONSITE.
- ALL SPILLS SHALL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY.
- SPILLS OF TOXIC OR HAZARDOUS MATERIAL SHALL BE REPORTED TO THE APPROPRIATE FEDERAL, STATE, OR LOCAL GOVERNMENT AGENCY, REGARDLESS OF THE SIZE.
- THE SPILL PREVENTION PLAN SHALL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT SPILLS FROM REOCCURRING AND HOW TO CLEAN UP THE SPILL IF THERE IS ANOTHER ONE. A DESCRIPTION OF THE SPILL, WHAT CAUSED IT, AND THE CLEAN UP MEASURES SHALL ALSO BE INCLUDED.
- THE SITE SUPERINTENDENT RESPONSIBLE FOR THE DAY-TO-DAY OPERATIONS SHALL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR.

DATE	REVISIONS
06/28/2023	REVISED PER COUNTY COMMENTS
08/09/2023	REVISED PER COUNTY COMMENTS
09/07/2023	REVISED PER COUNTY COMMENTS
10/10/2023	REVISED PER COUNTY COMMENTS
07/18/2024	REVISED PER COUNTY COMMENTS

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PAVING IMPROVEMENTS
LOWNDES COUNTY, GEORGIA
L.L. 20, 21, 24, 25, & 26 OF THE 16TH L.D.
& L.L. 70 & 71 OF THE 11TH L.D.

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SHEET
33 of 47

PROJECT NUMBER
1669

NPDES NOTES

SAMPLING POINT(S):
THE APPROXIMATE LOCATION OF EACH MONITORING POINT IS SHOWN ON THE PLAN.
MONITORING POINTS: LOCATED UPSTREAM & DOWNSTREAM OF STORM STRUCTURE ST2.

APPENDIX B RATIONAL:
NUMBER OF OUTFALLS: 1
DISTURBED AREA: 11.50 AC.
SURFACE WATER DRAINAGE AREA: <5 SQ. MI.
TYPE OF RECEIVING WATER: WARM WATER FISHERIES
NTU VALUE: 75

**EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST
INFRASTRUCTURE CONSTRUCTION PROJECTS**

SWCD: ALAPAHA REGION 5

Project Name: BRIGGSTON ROAD Address: BRIGGSTON ROAD

City/County: LOWNDES Date on Plans: 7/15/2022

Name & email of person filling out checklist: BILL KENT / bkent@innovatees.com

Plan Included TO BE SHOWN ON ES&PC PLAN

Page #	Y/N	
<input type="checkbox"/> 34	<input type="checkbox"/>	1 The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Commission as of January 1 of the year in which the land-disturbing activity was permitted. (The completed Checklist must be submitted with the ES&PC Plan or the Plan will not be reviewed)
<input type="checkbox"/> ALL	<input type="checkbox"/> Y	2 Level II certification number issued by the Commission, signature and seal of the certified design professional. (Signature, seal and level II number must be on each sheet pertaining to ES&PC Plan or the Plan will not be reviewed)
<input type="checkbox"/> 31	<input type="checkbox"/> Y	3 The name and phone number of the 24-hour contact responsible for erosion, sedimentation and pollution controls.
<input type="checkbox"/> 31	<input type="checkbox"/> Y	4 Provide the name, address, email address, and phone number of primary permittee.
<input type="checkbox"/> 31	<input type="checkbox"/> Y	5 Note total and disturbed acreages of the project or phase under construction.
<input type="checkbox"/> 25-29	<input type="checkbox"/> Y	6 Provide the GPS locations of the beginning and end of the Infrastructure project. Give the Latitude and Longitude in decimal degrees.
<input type="checkbox"/> ALL	<input type="checkbox"/> Y	7 Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.
<input type="checkbox"/> 32	<input type="checkbox"/> Y	8 Descriptions of the nature of construction activity and existing site conditions.
<input type="checkbox"/> 31	<input type="checkbox"/> Y	9 Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.
<input type="checkbox"/> 31	<input type="checkbox"/> Y	10 Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected.
<input type="checkbox"/> 31	<input type="checkbox"/> Y	11 Design professional's certification statement and signature that the site was visited prior to development of the ES&PC Plan as stated on Part IV page 21 of the permit.
<input type="checkbox"/> 31	<input type="checkbox"/> Y	12 Design professional's certification statement and signature that the permittee's ES&PC Plan provides for an appropriate and comprehensive system of BMPs and sampling to meet permit requirements as stated on Part IV page 20 of the permit. *
<input type="checkbox"/> 31	<input type="checkbox"/> Y	13 Design professional certification statement and signature that the permittee's ES&PC Plan provides for representative sampling as stated on Part IV.D.6.c.(3) page 37 of the permit as applicable. *
<input type="checkbox"/> 32	<input type="checkbox"/> Y	14 Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect the installation of the initial sediment storage requirements, perimeter control BMPs, and sediment basins within 7 days after installation." in accordance with Part IV.A.5 page 26 of the permit. *
<input type="checkbox"/> 31	<input type="checkbox"/> Y	15 Clearly note the statement that "Non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed stream buffers as measured from the point of westered vegetation or within 25-feet of the coastal marshland buffer as measured from the Jurisdictional Determination Line without first acquiring the necessary variances and permits."
<input type="checkbox"/>	<input type="checkbox"/> N/A	16 Provide a description of any buffer encroachments and indicate whether a buffer variance is required.
<input type="checkbox"/> 32	<input type="checkbox"/> Y	17 Clearly note the statement that "Amendments/revisions to the ES&PC Plan which have a significant effect on BMPs with a hydraulic component must be certified by the design professional." *
<input type="checkbox"/> 31	<input type="checkbox"/> Y	18 Clearly note the statement that "Waste materials shall not be discharged to waters of the State, except as authorized by a Section 404 permit." *
<input type="checkbox"/> 31	<input type="checkbox"/> Y	19 Clearly note statement that "The escape of sediment from the site shall be prevented by the installation of erosion and sediment control measures and practices prior to land disturbing activities."
<input type="checkbox"/> 31	<input type="checkbox"/> Y	20 Clearly note statement that "Erosion control measures will be maintained at all times. If full implementation of the approved Plan does not provide for effective erosion control, additional erosion and sediment control measures shall be implemented to control or treat the sediment source."
<input type="checkbox"/> 31	<input type="checkbox"/> Y	21 Clearly note the statement "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding."
<input type="checkbox"/>	<input type="checkbox"/> N/A	22 Any construction activity which discharges storm water into an Impaired Stream Segment or within 1 linear mile upstream of and within the same watershed as, any portion of a Biota Impaired Stream Segment must comply with Part III. C. of the permit. Include the completed Appendix 1 listing all the BMPs that will be used for those areas of the site which discharge to the Impaired Stream Segment. *
<input type="checkbox"/>	<input type="checkbox"/> N/A	23 If a TMDL Implementation Plan for sediment has been finalized for the Impaired Stream Segment (identified in item 22 above) at least six months prior to submittal of NOI, the ES&PC Plan must address any site-specific conditions or requirements included in the TMDL Implementation Plan. *
<input type="checkbox"/> 32	<input type="checkbox"/> Y	24 BMPs for concrete washdown of booms, concrete mixer chutes, hoppers and the rear of the vehicles. Washout of the drum at the construction site is prohibited. *
<input type="checkbox"/> 33	<input type="checkbox"/> Y	25 Provide BMPs for the remediation of all petroleum spills and leaks.
<input type="checkbox"/> 32	<input type="checkbox"/> Y	26 Description of the measures that will be installed during the construction process to control pollutants in storm water that will occur after construction operations have been completed. *
<input type="checkbox"/> 33	<input type="checkbox"/> Y	27 Description of practices to provide cover for building materials and building products on site. *

<input type="checkbox"/> 32	<input type="checkbox"/> Y	28 Description of the practices that will be used to reduce the pollutants in storm water discharges. *				
<input type="checkbox"/> 31	<input type="checkbox"/> Y	29 Description and chart or timeline of the intended sequence of major activities which disturb soils for the major portions of the site (i.e., initial perimeter and sediment storage BMPs, clearing and grubbing activities, excavation activities, utility activities, temporary and final stabilization).				
<input type="checkbox"/> 33	<input type="checkbox"/> Y	30 Provide complete requirements of inspections and record keeping by the primary permittee. *				
<input type="checkbox"/> 33	<input type="checkbox"/> Y	31 Provide complete requirements of Sampling Frequency and Reporting of sampling results. *				
<input type="checkbox"/> 33	<input type="checkbox"/> Y	32 Provide complete details for Retention of Records as per Part IV.F. of the permit. *				
<input type="checkbox"/> 33	<input type="checkbox"/> Y	33 Description of analytical methods to be used to collect and analyze the samples from each location. *				
<input type="checkbox"/> 33	<input type="checkbox"/> Y	34 Appendix B rationale for NTU values at all outfall sampling points where applicable. *				
<input type="checkbox"/> 33	<input type="checkbox"/> Y	35 Delineate all sampling locations, perennial and intermittent streams and other water bodies into which storm water is discharged also provide a summary chart of the justification and analysis for the representative sampling as applicable. *				
<input type="checkbox"/> 31	<input type="checkbox"/> Y	36 A description of appropriate controls and measures that will be implemented at the construction site including: (1) initial sediment storage requirements and perimeter control BMPs, (2) intermediate grading and drainage BMPs, and (3) final BMPs. For construction sites where there will be no mass grading and the initial perimeter control BMPs, intermediate grading and drainage BMPs, and final BMPs are the same, the Plan may combine all of the BMPs into a single phase. *				
<input type="checkbox"/> ALL	<input type="checkbox"/> Y	37 Graphic scale and North arrow.				
<input type="checkbox"/> 25-29	<input type="checkbox"/> Y	38 Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following: <table border="1" style="margin-left: 20px;"> <tr> <td>Existing Contours</td> <td>USGS 1": 2000' Topographical Sheets</td> </tr> <tr> <td>Proposed Contours</td> <td>1": 400' Centerline Profile</td> </tr> </table>	Existing Contours	USGS 1": 2000' Topographical Sheets	Proposed Contours	1": 400' Centerline Profile
Existing Contours	USGS 1": 2000' Topographical Sheets					
Proposed Contours	1": 400' Centerline Profile					
<input type="checkbox"/>	<input type="checkbox"/> N/A	39 Use of alternative BMPs whose performance has been documented to be equivalent to or superior to conventional BMPs as certified by a Design Professional (unless disapproved by GAEPD or the Georgia Soil and Water Conservation Commission). Please refer to the Alternative BMP Guidance Document found at www.gaswcc.georgia.gov.				
<input type="checkbox"/>	<input type="checkbox"/> N/A	40 Use of alternative BMP for application to the Equivalent BMP List. Please refer to Appendix A-2 of the Manual for Erosion & Sediment Control in Georgia 2016 Edition. *				
<input type="checkbox"/> 25-29	<input type="checkbox"/> Y	41 Delineation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to State waters and any additional buffers required by the Local Issuing Authority. Clearly note and delineate all areas of impact				
<input type="checkbox"/> 25-29	<input type="checkbox"/> Y	42 Delineation of on-site wetlands and all State waters located on and within 200 feet of the project site.				
<input type="checkbox"/> 31	<input type="checkbox"/> Y	43 Delineation and acreage of contributing drainage basins on the project site.				
<input type="checkbox"/> 31	<input type="checkbox"/> Y	44 Delineate on-site drainage and off-site watersheds using USGS 1" : 2000' topographical sheets.				
<input type="checkbox"/> 31	<input type="checkbox"/> Y	45 An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are completed.				
<input type="checkbox"/> 31	<input type="checkbox"/> Y	46 Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate all storm water discharge points.				
<input type="checkbox"/> 31	<input type="checkbox"/> Y	47 Soil series for the project site and their delineation.				
<input type="checkbox"/> 25-29	<input type="checkbox"/> Y	48 The limits of disturbance for each phase of construction.				
<input type="checkbox"/> 31	<input type="checkbox"/> Y	49 Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment basin, retrofitted detention pond, and/or excavated inlet sediment traps for each common drainage location. Sediment storage volume must be in place prior to and during all land disturbance activities until final stabilization of the site has been achieved. A written justification explaining the decision to use equivalent controls when a sediment basin is not attainable must be included in the Plan for each common drainage location in which a sediment basin is not provided. A written justification as to why 67 cubic yards of storage is not attainable must also be given. Worksheets from the Manual must be included for structural BMPs and all calculations used by the design professional to obtain the required sediment storage when using equivalent controls. When discharging from sediment basins and impoundments, permittees are required to utilize outlet structures that withdraw water from the surface, unless infeasible. If outlet structures that withdraw water from the surface are not feasible, a written justification explaining this decision must be included in the Plan.				
<input type="checkbox"/> 25-29	<input type="checkbox"/> Y	50 Location of Best Management Practices that are consistent with and no less stringent than the Manual for Erosion and Sediment Control in Georgia. Use uniform coding symbols from the Manual, Chapter 6, with legend.				
<input type="checkbox"/> 30	<input type="checkbox"/> Y	51 Provide detailed drawings for all structural practices. Specifications must, at a minimum, meet the guidelines set forth in the Manual for Erosion and Sediment Control in Georgia.				
<input type="checkbox"/> 30	<input type="checkbox"/> Y	52 Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting dates and seeding, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for appropriate time of year that seeding will take place and for the appropriate geographic region of Georgia.				

* If using this checklist for a project that is less than 1 acre and not part of a common development but within 200 ft of a perennial stream, the * checklist items would be N/A.

Effective January 1, 2022

DATE	REVISIONS PER COUNTY COMMENTS
06/24/2022	REVISIONS PER COUNTY COMMENTS
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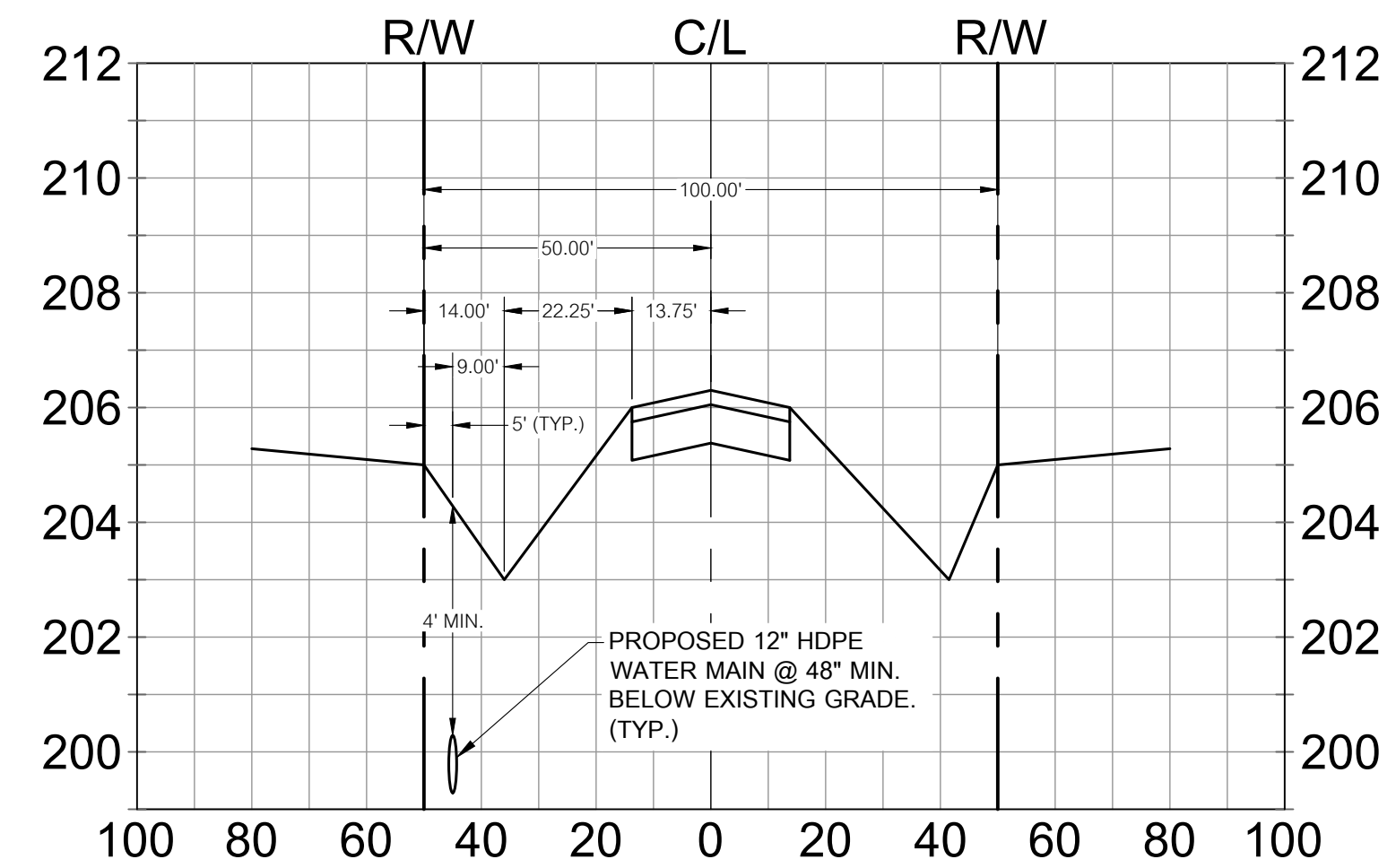


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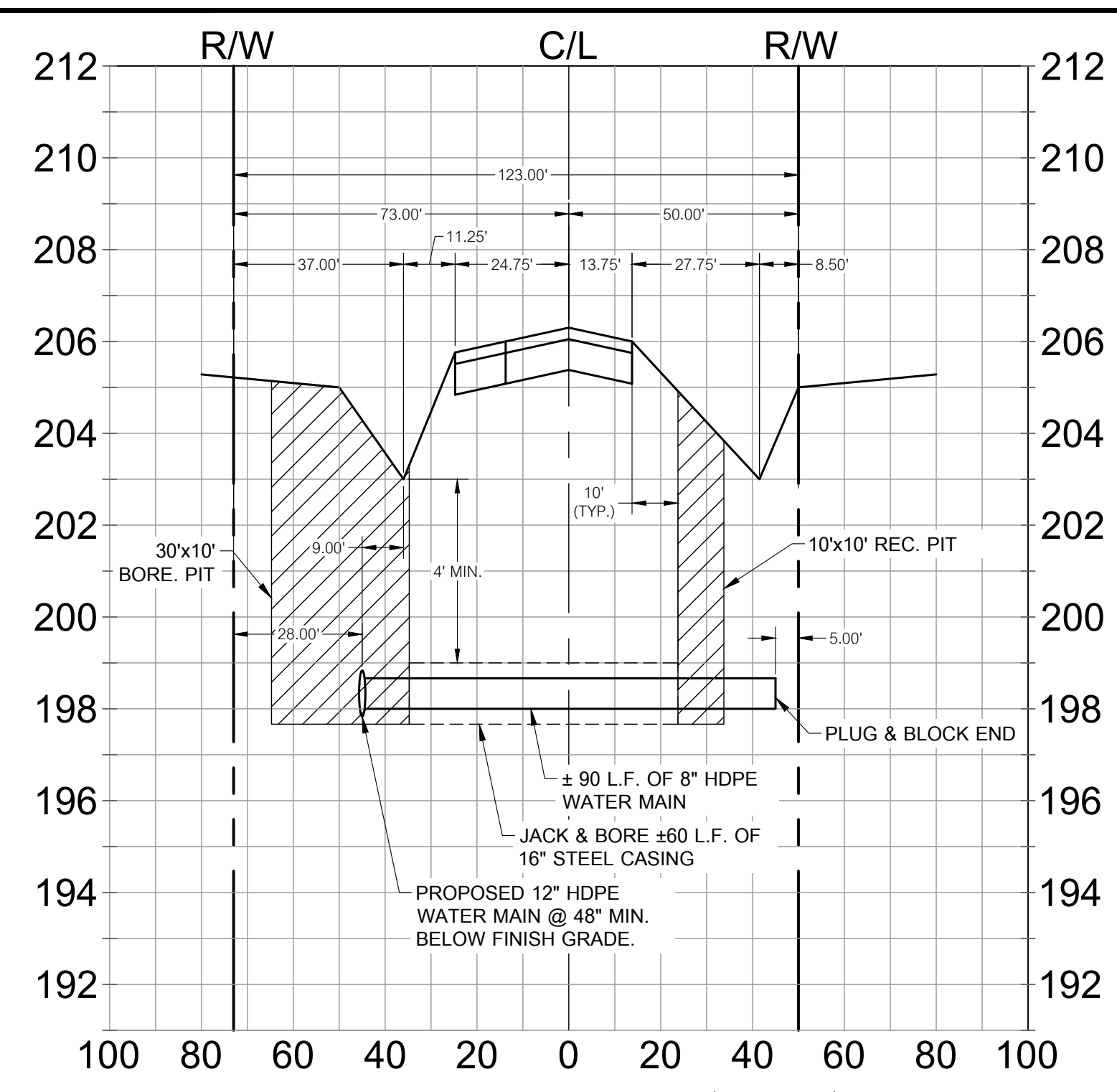
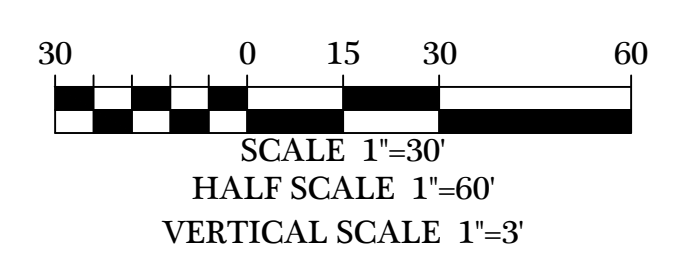
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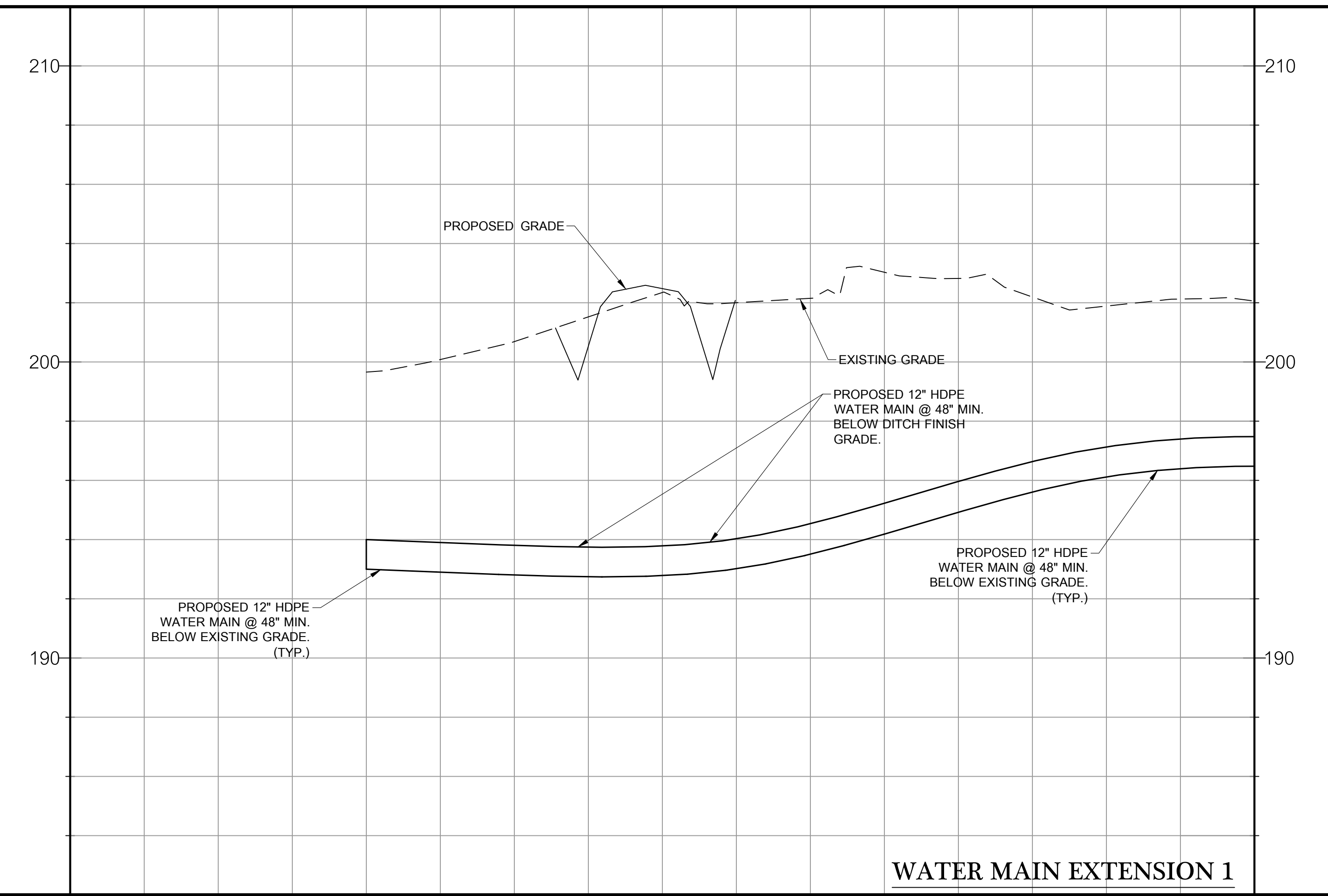
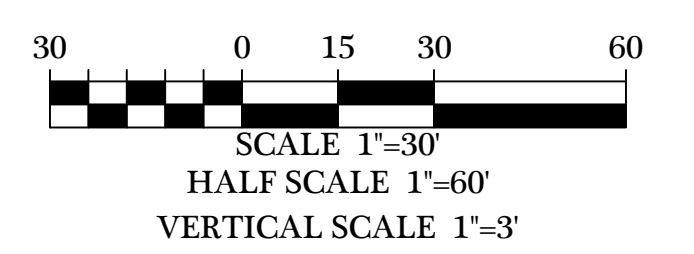
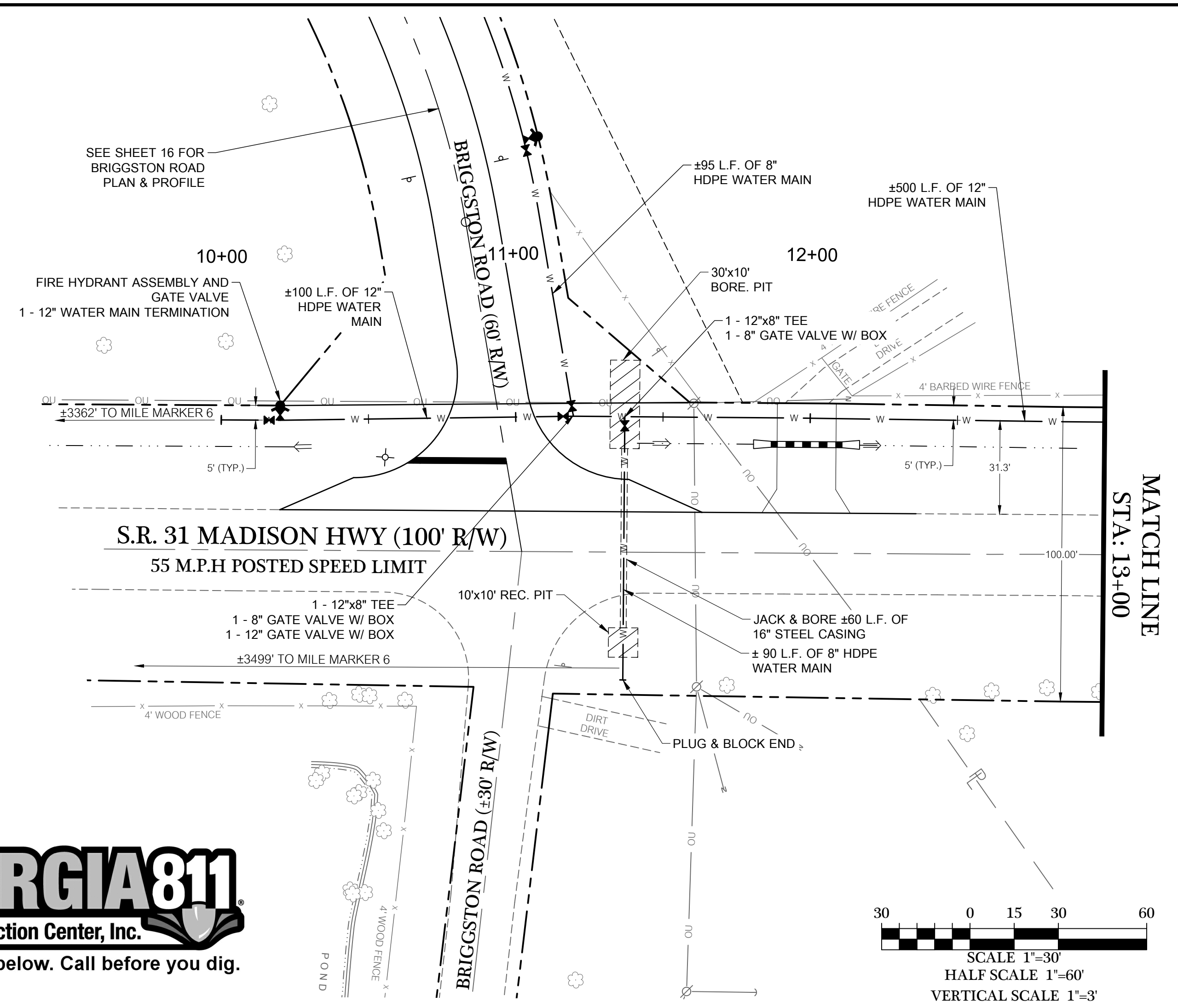
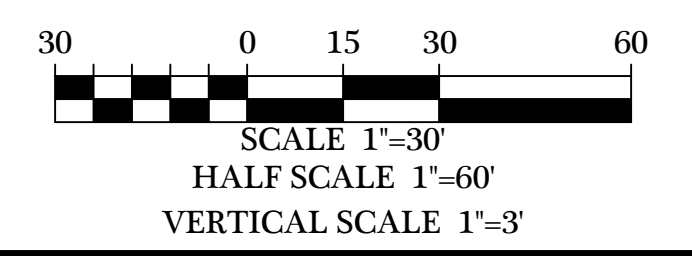
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**MADISON HIGHWAY (S.R. 31)
EXISTING TYPICAL SECTION**



**MADISON HIGHWAY (S.R. 31)
JACK & BORE SECTION**



WATER MAIN EXTENSION 1

DATE	REVISIONS
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06/29/2023	REVISIONS PER COUNTY COMMENTS
07/10/2023	REVISIONS PER COUNTY COMMENTS
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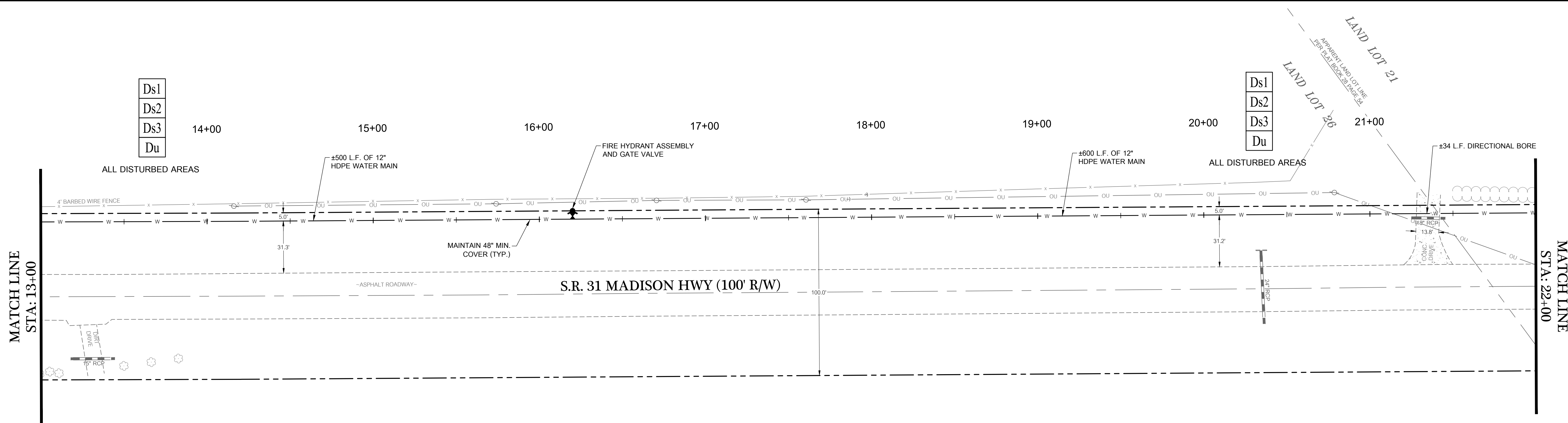
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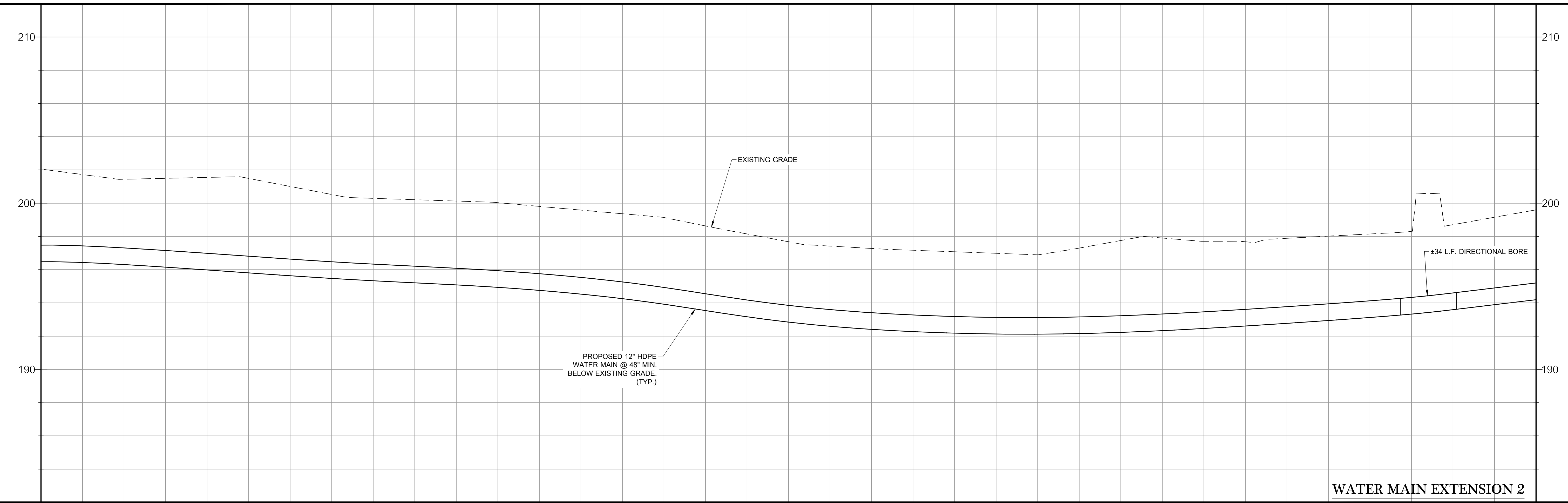
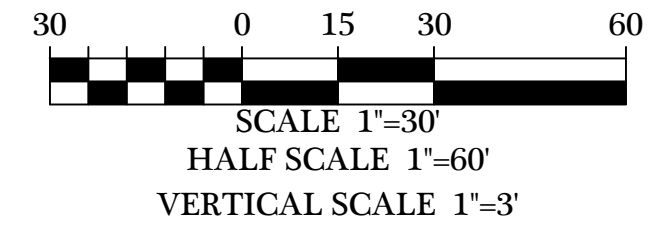
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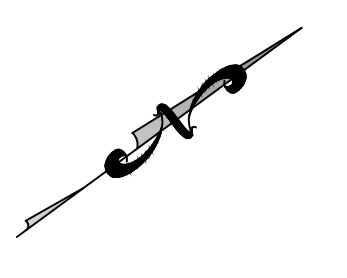



EROSION SYMBOL LEGEND

Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)
Ds2	DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)
Ds3	DISTURBED AREA STABILIZATION (WITH PERMANENT SEEDING)
Du	DUST CONTROL



202.06	207.55	200.29	199.81	198.63	197.28	196.69	197.71	198.15	199.60
13+00	14+00	15+00	16+00	17+00	18+00	19+00	20+00	21+00	22+00

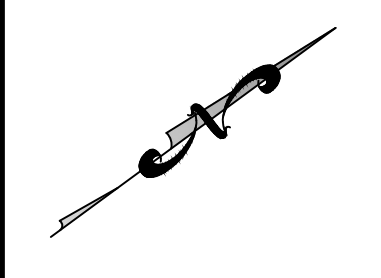


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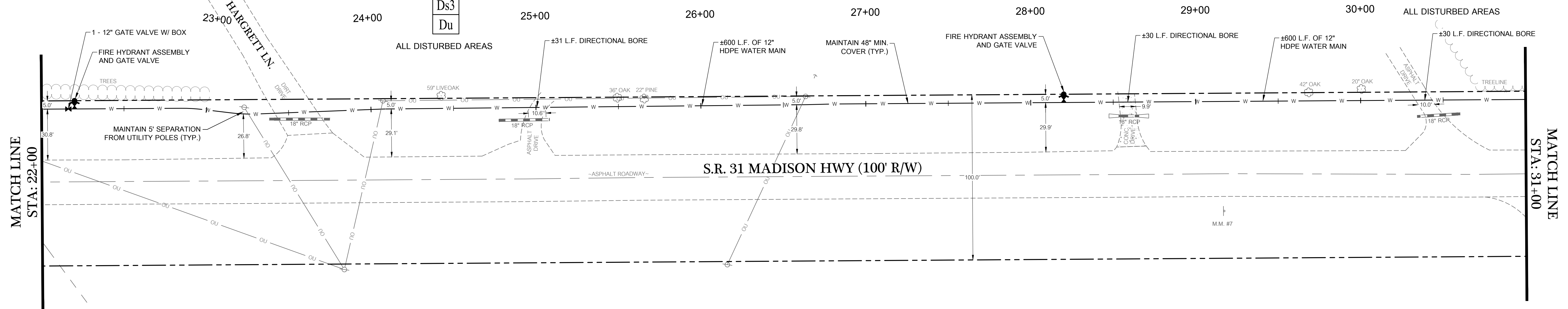
WATER MAIN EXTENSION 2

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PROJECT NUMBER
1669

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- Ds2
- Ds3
- Du



MATCH LINE
STA: 22+00

MATCH LINE
STA: 31+00

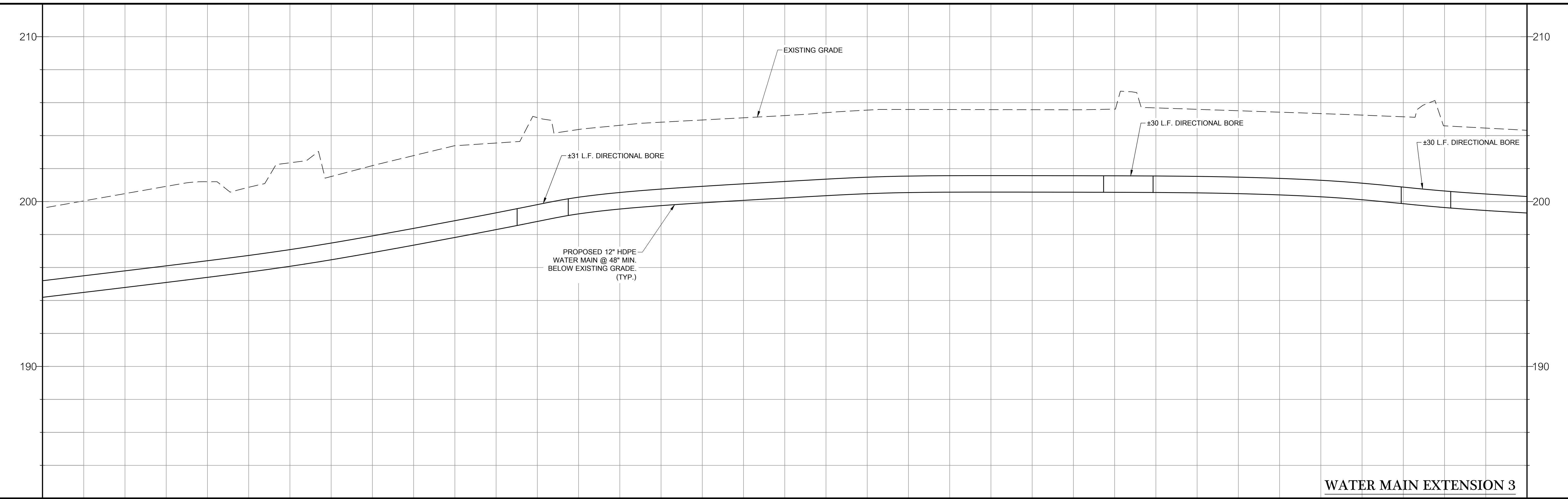
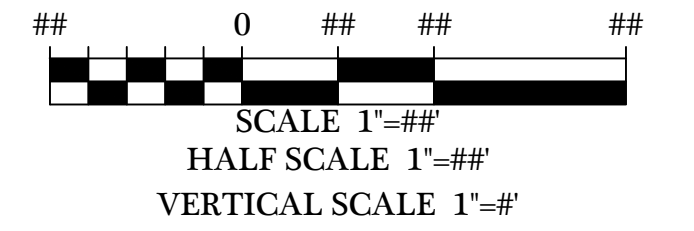
LAND LOT 21
LAND LOT 26

APPROXIMATE LAND LOT LINE
DEPT. PLAT. RECORD # 20140554



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Du	DUST CONTROL



WATER MAIN EXTENSION 3

199.60	201.21	202.16	205.69	204.95	205.55	205.57	205.59	204.24	204.32
22+00	23+00	24+00	25+00	26+00	27+00	28+00	29+00	30+00	31+00

REVISIONS

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04/10/2023	REVISIONS PER COUNTY COMMENTS
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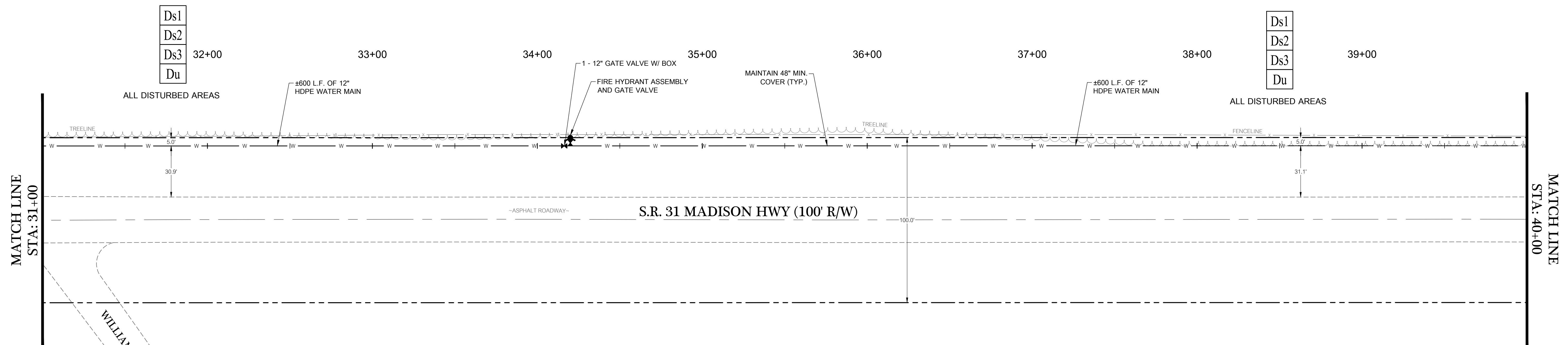
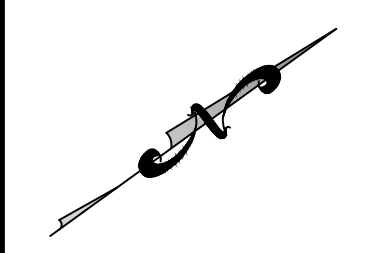
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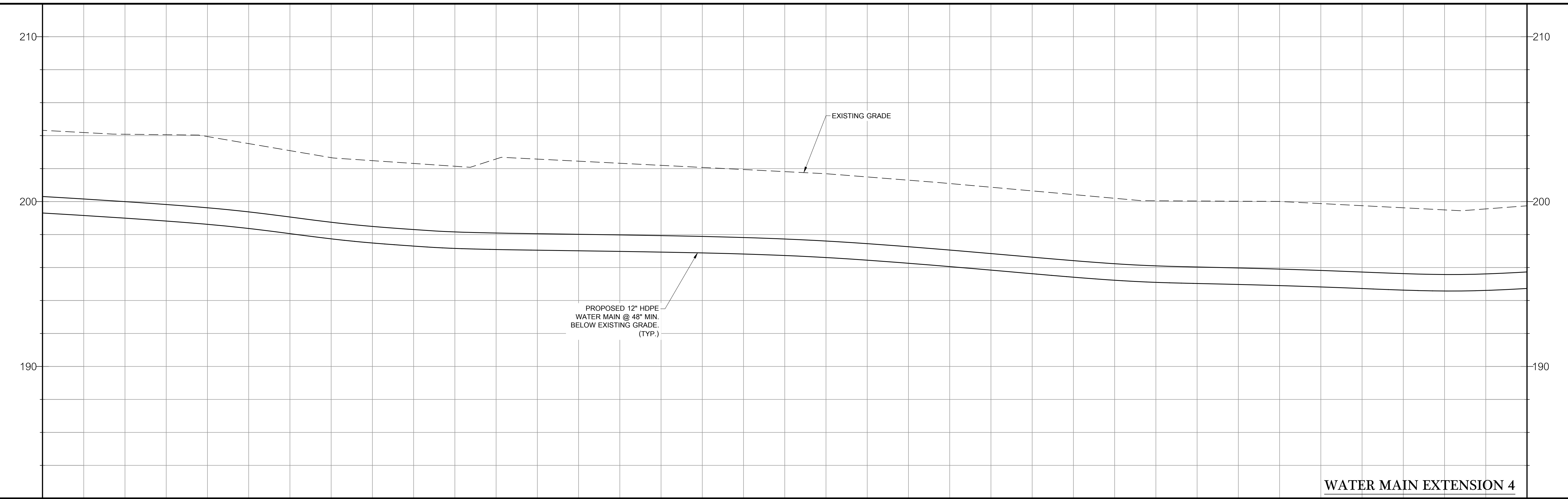
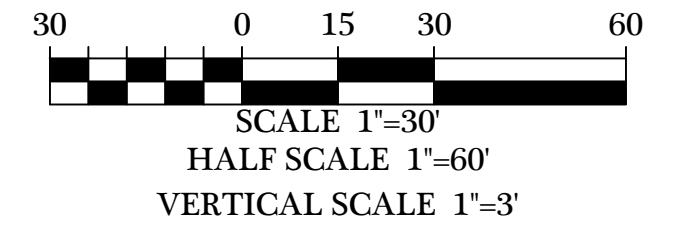
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WATER MAIN EXTENSION 4

REVISIONS

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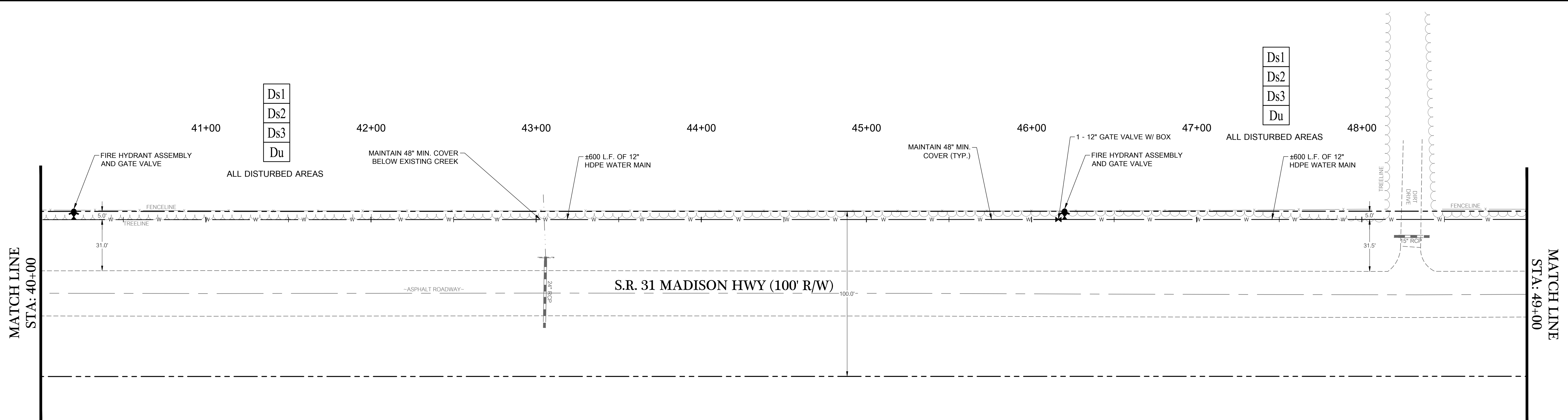


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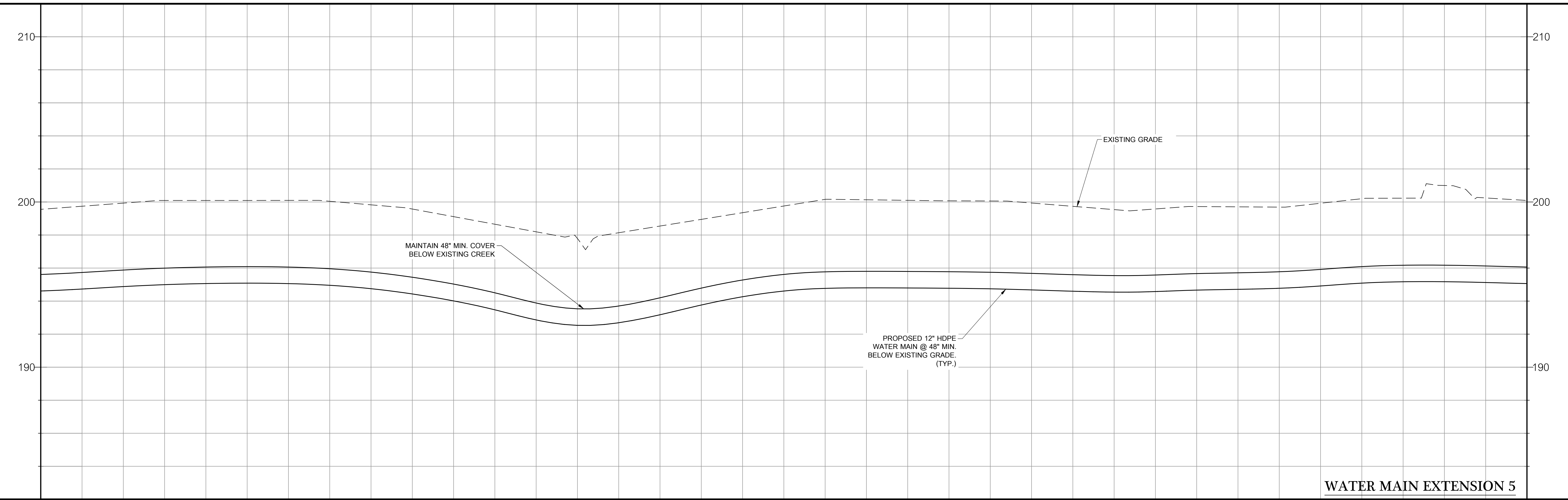
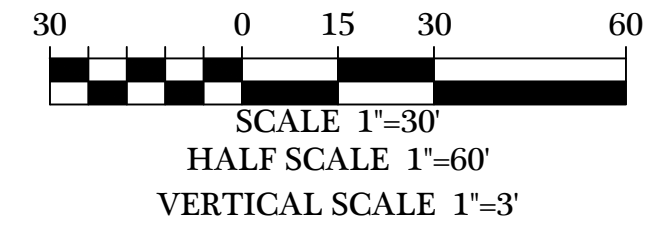
204.32	203.94	202.46	202.86	202.07	201.49	200.65	200.04	199.75	199.74
31+00	32+00	33+00	34+00	35+00	36+00	37+00	38+00	39+00	40+00



- Ds1
- Ds2
- Ds3
- Du

EROSION SYMBOL LEGEND

Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)
Ds2	DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)
Ds3	DISTURBED AREA STABILIZATION (WITH PERMANENT SEEDING)
Du	DUST CONTROL



WATER MAIN EXTENSION 5

199.74	200.09	199.57	197.79	199.35	200.10	199.74	199.71	200.23	199.94
40+00	41+00	42+00	43+00	44+00	45+00	46+00	47+00	48+00	49+00

BRIGGSTON ROAD
PAVING IMPROVEMENTS
LOWNEDES COUNTY, GEORGIA
L.L. 20, 21, 24, 25, & 26 OF THE 16TH L.D.
& L.L. 70 & 71 OF THE 11TH L.D.

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LEVEL II CERT. 8141
DATE: 09/14/2022
DRAWN BY: M. WILSON
CHECKED BY: B. KENT

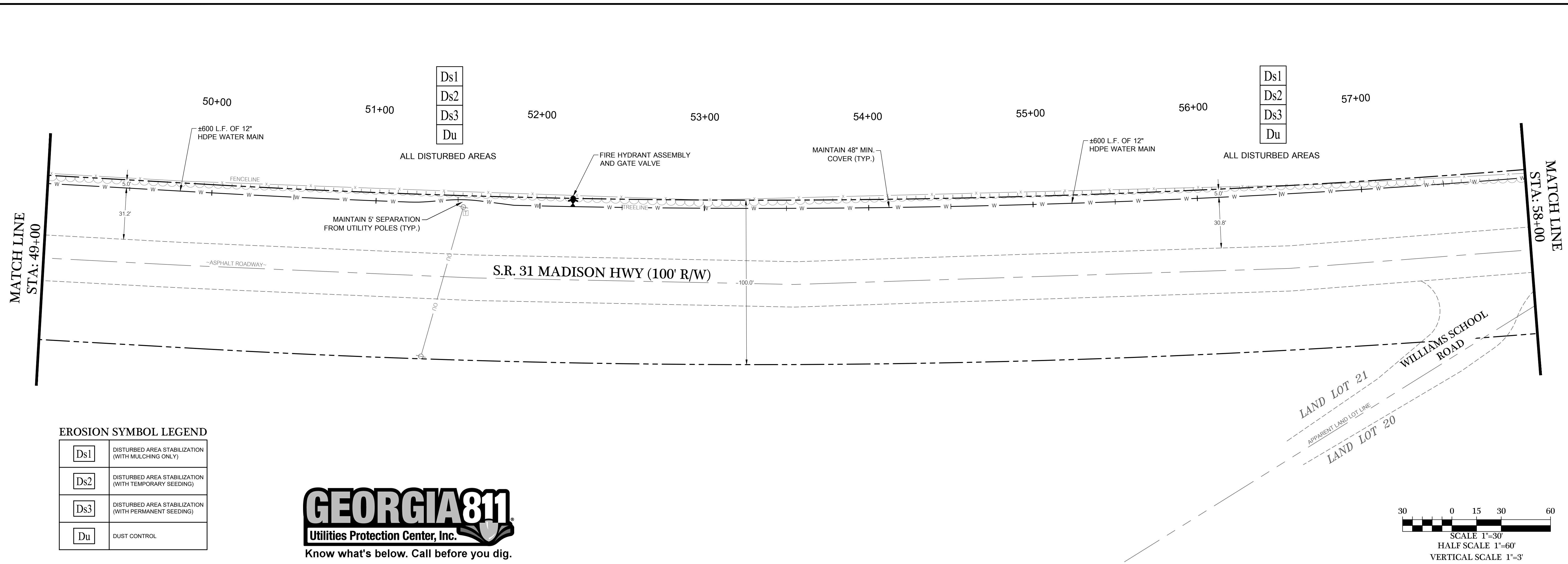
SHEET
39 OF 47
PROJECT NUMBER
1669

REVISIONS

DATE	DESCRIPTION
02/24/2022	REVISIONS PER COUNTY COMMENTS
03/09/2022	REVISIONS PER COUNTY COMMENTS
03/23/2022	REVISIONS PER COUNTY COMMENTS
07/14/2022	REVISIONS PER COUNTY COMMENTS

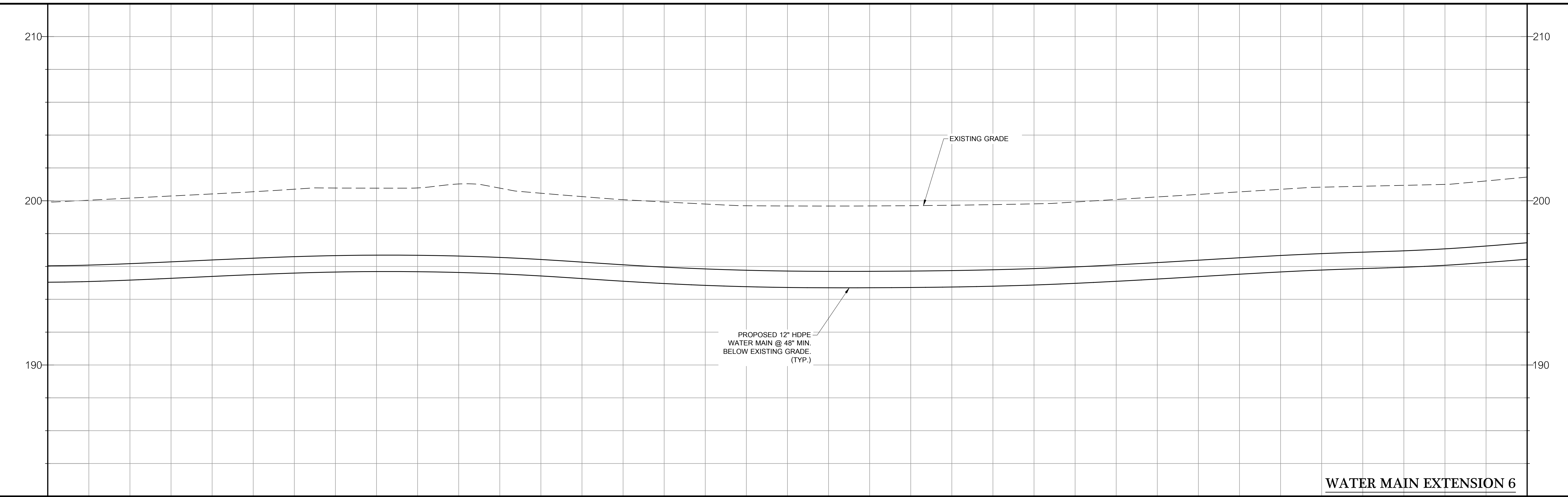
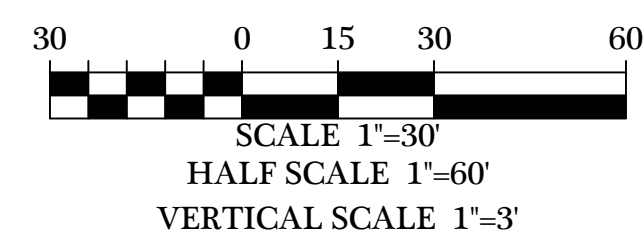
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I:\Projects\1669\LCE Briggeston Road Paving Project\Civil\Briggeston Road 100% Plans\1669\08-Rd.dwg - 7/14/2023 8:49 AM



EROSION SYMBOL LEGEND

Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)
Ds2	DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)
Ds3	DISTURBED AREA STABILIZATION (WITH PERMANENT SEEDING)
Du	DUST CONTROL



WATER MAIN EXTENSION 6

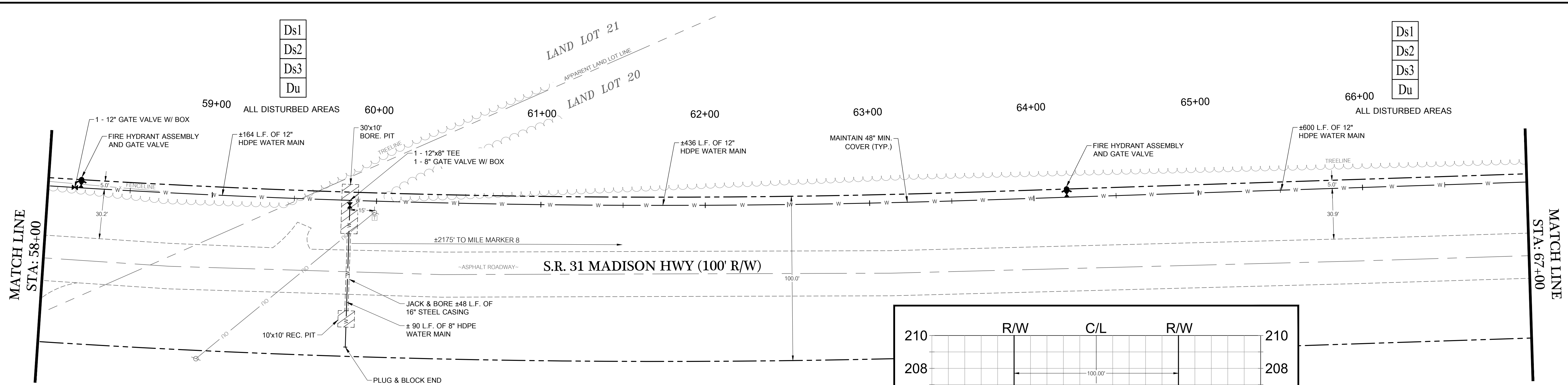
199.84	200.42	200.77	200.46	199.80	199.69	199.51	200.39	200.88	201.44
49+00	50+00	51+00	52+00	53+00	54+00	55+00	56+00	57+00	58+00

DATE	REVISIONS
02/24/2023	REVISIONS PER COUNTY COMMENTS
03/30/2023	REVISIONS PER COUNTY COMMENTS
07/03/2023	REVISIONS PER COUNTY COMMENTS
07/14/2023	REVISIONS PER COUNTY COMMENTS

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 LOWNEDES COUNTY, GEORGIA
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 & L.L. 70 & 71 OF THE 11TH L.D.

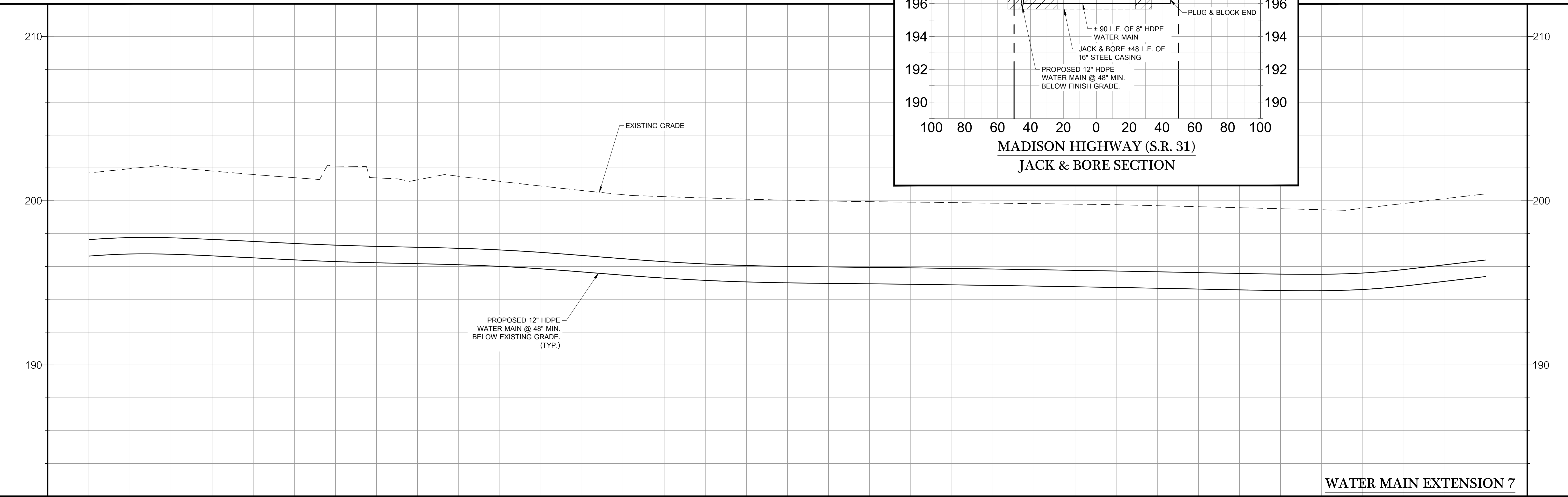
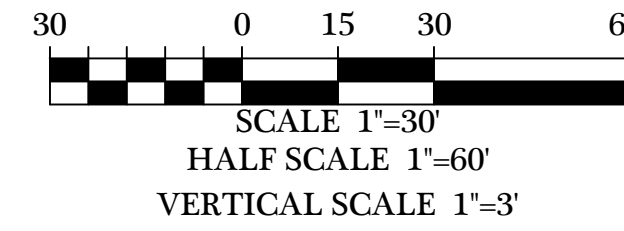
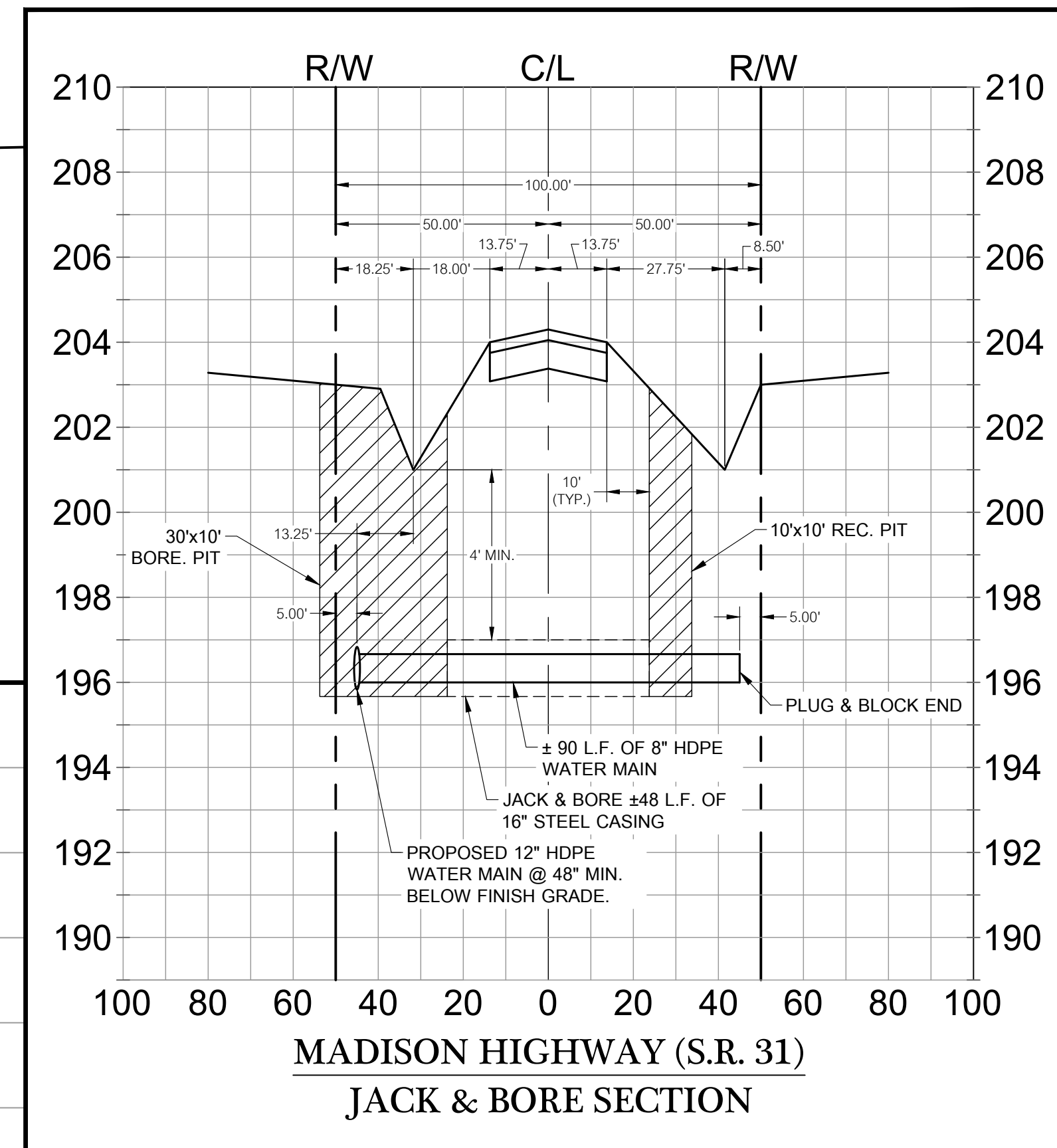
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 2214 N. Patterson Street, Valdosta, GA 31602

GEORGIA REGISTERED PROFESSIONAL ENGINEER
 No. 22564
 WILLIAM D. KENT
 LEVEL II CERT. 8141
 DATE: 09/14/2022
 DRAWN BY: M. WILSON
 CHECKED BY: B. KENT



EROSION SYMBOL LEGEND

Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)
Ds2	DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)
Ds3	DISTURBED AREA STABILIZATION (WITH PERMANENT SEEDING)
Du	DUST CONTROL



WATER MAIN EXTENSION 7

DATE	REVISIONS
02/24/2023	REVISIONS PER COUNTY COMMENTS
03/30/2023	REVISIONS PER COUNTY COMMENTS
04/10/2023	REVISIONS PER COUNTY COMMENTS
07/14/2023	REVISIONS PER COUNTY COMMENTS

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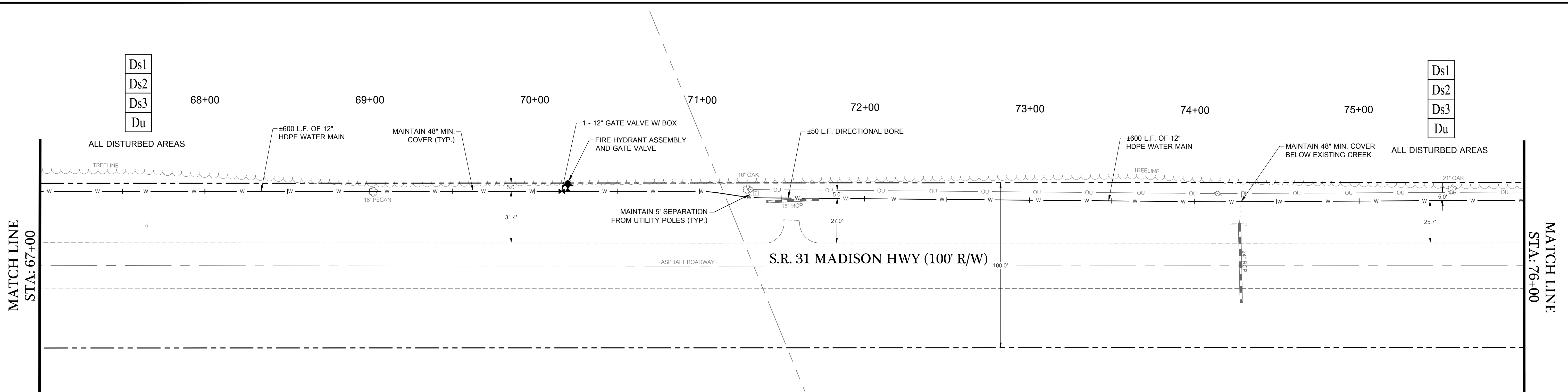
BRIGGSTON ROAD PAVING IMPROVEMENTS
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GEORGIA REGISTERED ENGINEER
 No. 22564
 WILLIAM D. KENT

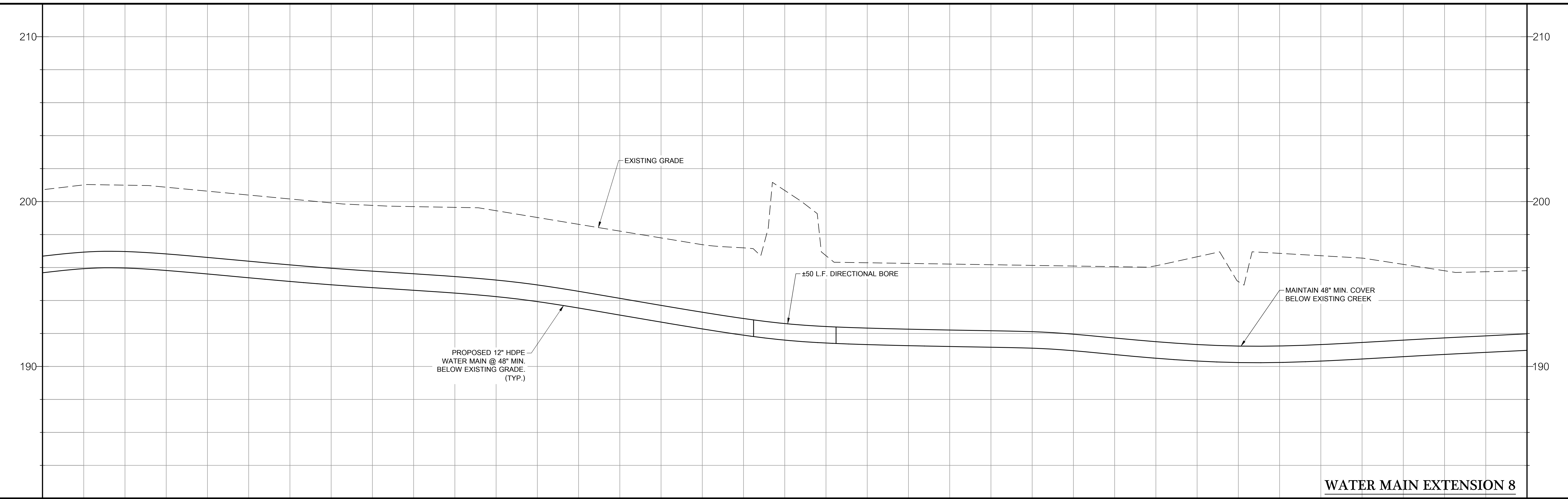
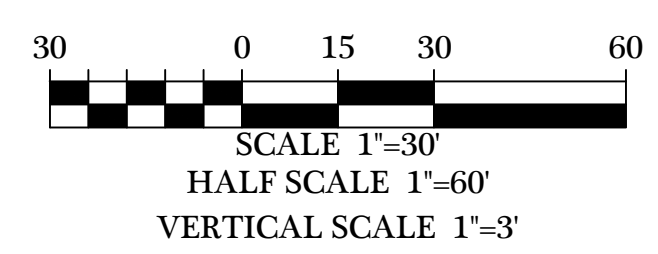
LEVEL II CERT. 8141
 DATE: 09/14/2022
 DRAWN BY: M. WILSON
 CHECKED BY: B. KENT

201.44	201.51	201.39	200.80	200.17	199.85	199.52	199.64	199.54	200.72
58+00	59+00	60+00	61+00	62+00	63+00	64+00	65+00	66+00	67+00



EROSION SYMBOL LEGEND

Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)
Ds2	DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)
Ds3	DISTURBED AREA STABILIZATION (WITH PERMANENT SEEDING)
Du	DUST CONTROL



WATER MAIN EXTENSION 8

200.72	200.63	199.77	199.03	197.29	196.29	196.13	196.05	195.57	195.81
67+00	68+00	69+00	70+00	71+00	72+00	73+00	74+00	75+00	76+00

REVISIONS

DATE	REVISIONS
06/24/2023	REVISIONS PER COUNTY COMMENTS
06/30/2023	REVISIONS PER COUNTY COMMENTS
07/05/2023	REVISIONS PER COUNTY COMMENTS
07/14/2023	REVISIONS PER COUNTY COMMENTS

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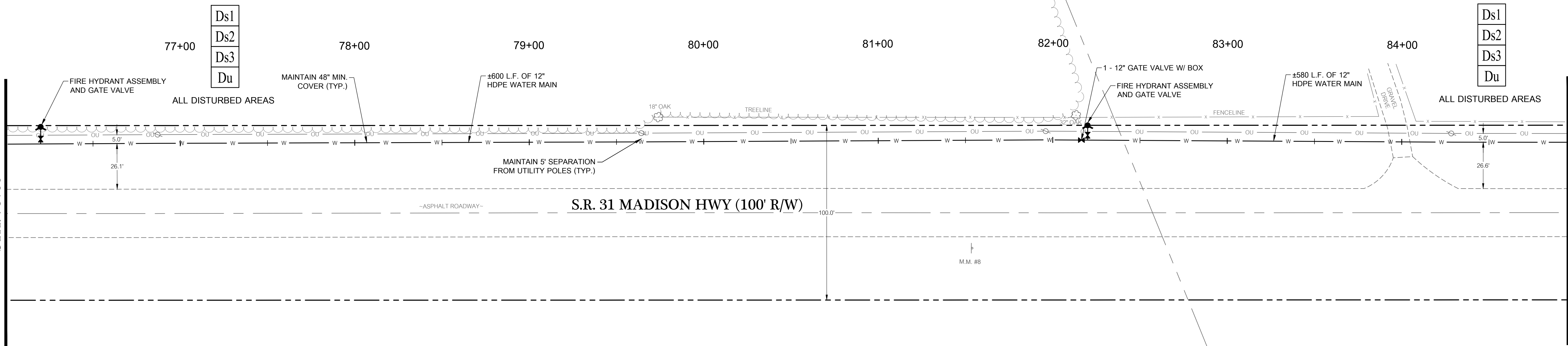
BRIGGSTON ROAD PAVING IMPROVEMENTS
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GEORGIA REGISTERED ENGINEER
 No. 22564
 WILLIAM D. KENT

LEVEL II CERT. 8141
 DATE: 09/14/2022
 DRAWN BY: M. WILSON
 CHECKED BY: B. KENT

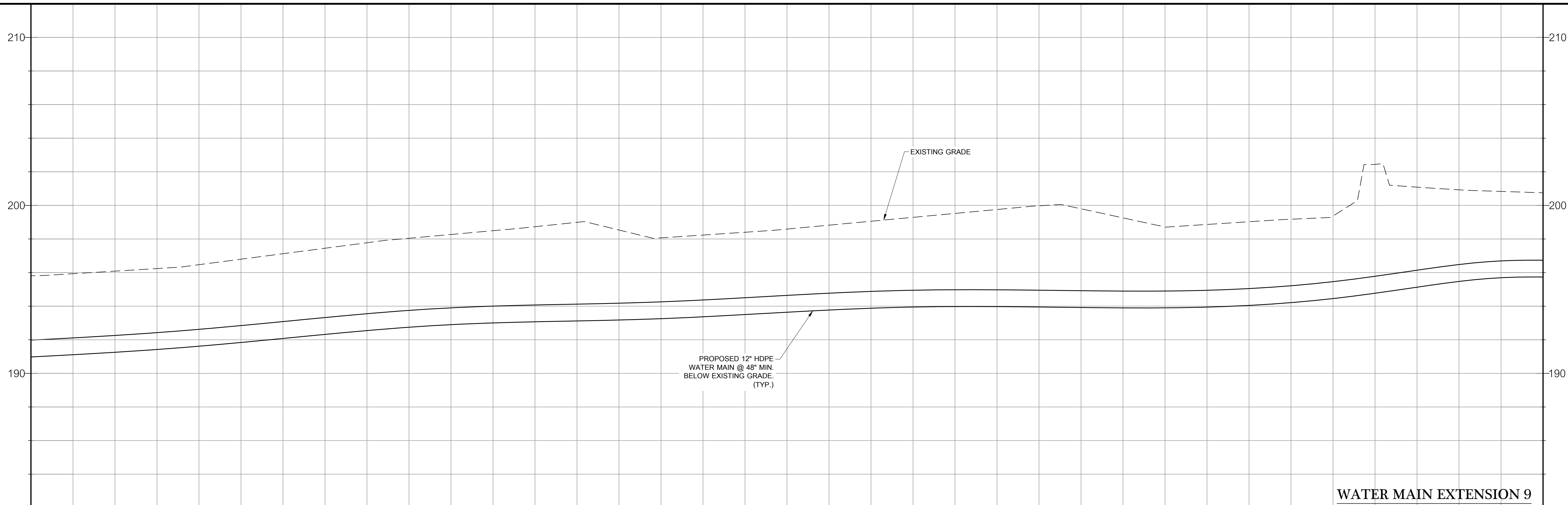
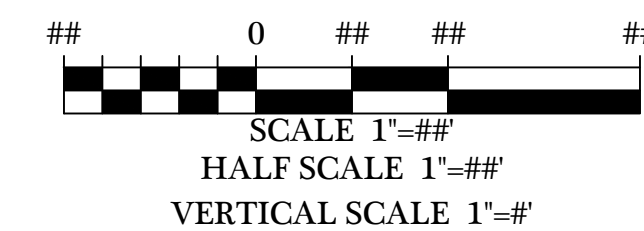
MATCH LINE
STA: 76+00



MATCH LINE
STA: 85+00

EROSION SYMBOL LEGEND

Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)
Ds2	DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)
Ds3	DISTURBED AREA STABILIZATION (WITH PERMANENT SEEDING)
Du	DUST CONTROL



WATER MAIN EXTENSION 9

DATE	REVISIONS
02/24/2023	REVISIONS PER COUNTY COMMENTS
03/30/2023	REVISIONS PER COUNTY COMMENTS
07/10/2023	REVISIONS PER COUNTY COMMENTS
07/14/2023	REVISIONS PER COUNTY COMMENTS

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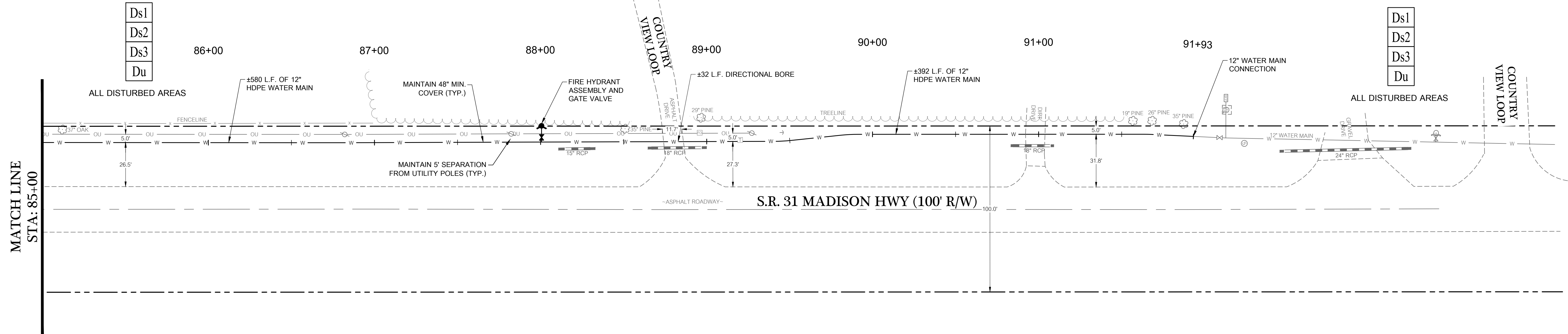
**BRIGGSTON ROAD
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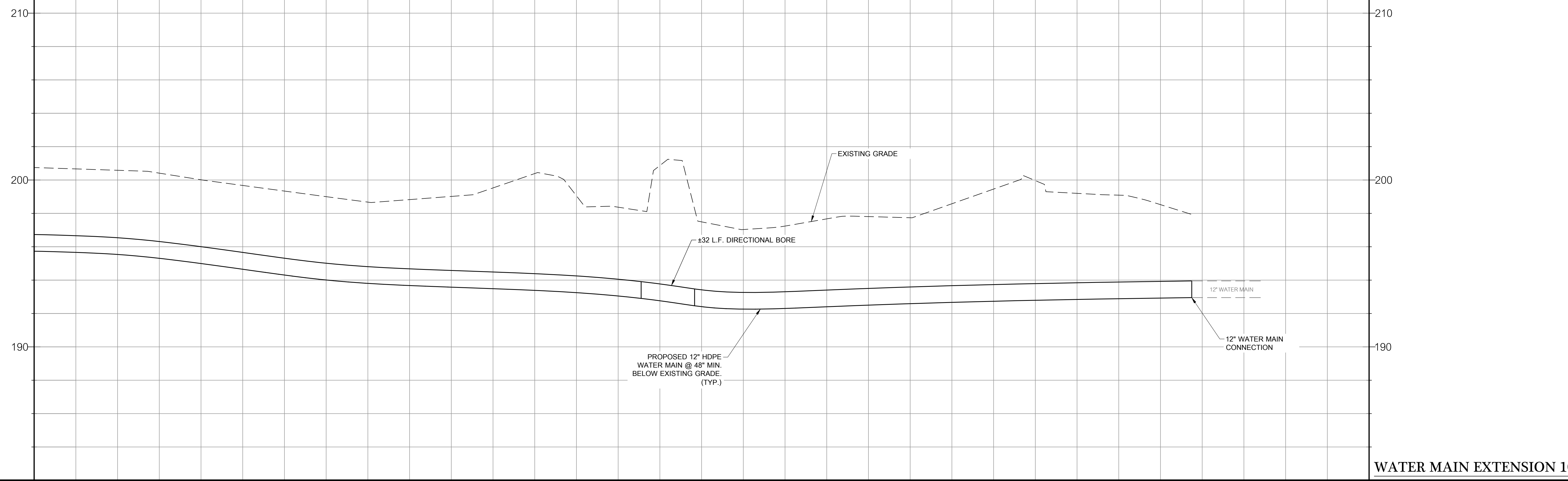
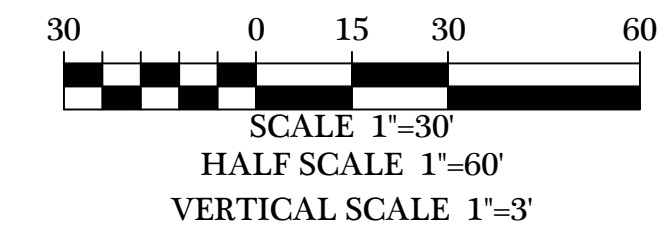
LEVEL II CERT. 8141
 DATE: 09/14/2022
 DRAWN BY: M. WILSON
 CHECKED BY: B. KENT

195.81	196.47	197.78	198.73	199.23	199.06	199.97	198.86	202.44	200.75
76+00	77+00	78+00	79+00	80+00	81+00	82+00	83+00	84+00	85+00



EROSION SYMBOL LEGEND

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Ds3	DISTURBED AREA STABILIZATION (WITH PERMANENT SEEDING)
Du	DUST CONTROL



200.75	200.01	198.67	200.39	197.49	197.81	199.96	
85+00	86+00	87+00	88+00	89+00	90+00	91+00	92+00

REVISIONS

DATE	REVISIONS
02/24/2023	REVISIONS PER COUNTY COMMENTS
03/30/2023	REVISIONS PER COUNTY COMMENTS
04/10/2023	REVISIONS PER COUNTY COMMENTS
07/14/2023	REVISIONS PER COUNTY COMMENTS

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 & L.L. 70 & 71 OF THE 11TH L.D.

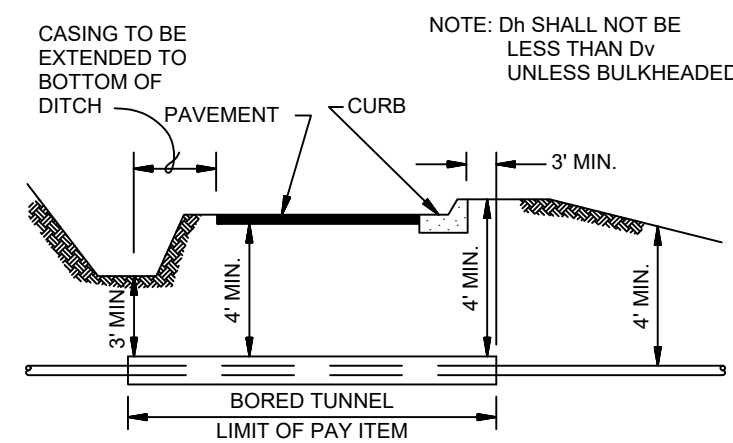
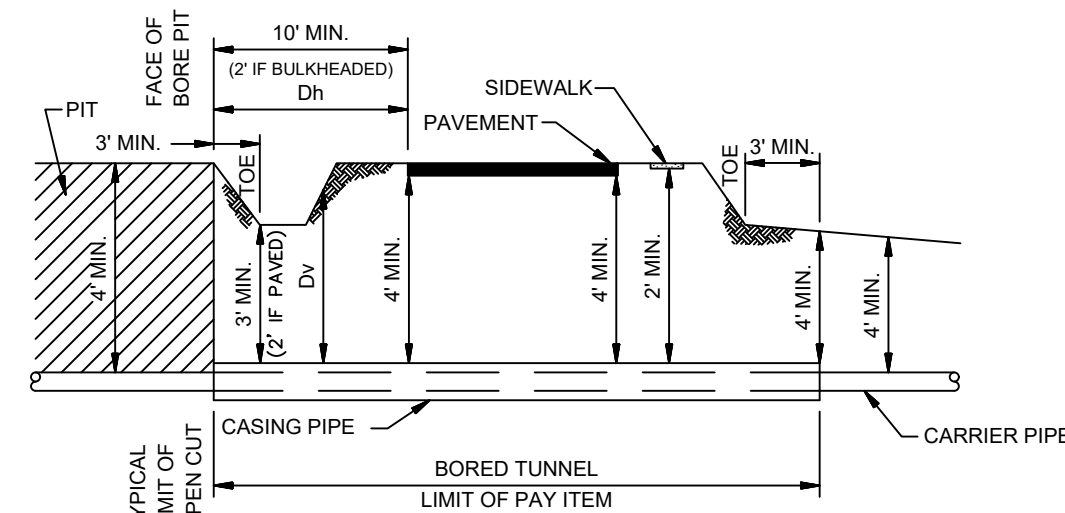
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LEVEL II CERT. 8141
 DATE: 09/14/2022
 DRAWN BY: M. WILSON
 CHECKED BY: B. KENT

SHEET
44 OF 47
 PROJECT NUMBER
1669

NOTE: CONSTRUCTION IN GEORGIA DEPARTMENT OF TRANSPORTATIONS RIGHT-OF-WAY SHALL CONFORM TO D.O.T. STD. SPECIFICATIONS



NOTE: D_h SHALL NOT BE LESS THAN D_v UNLESS BULKHEADED

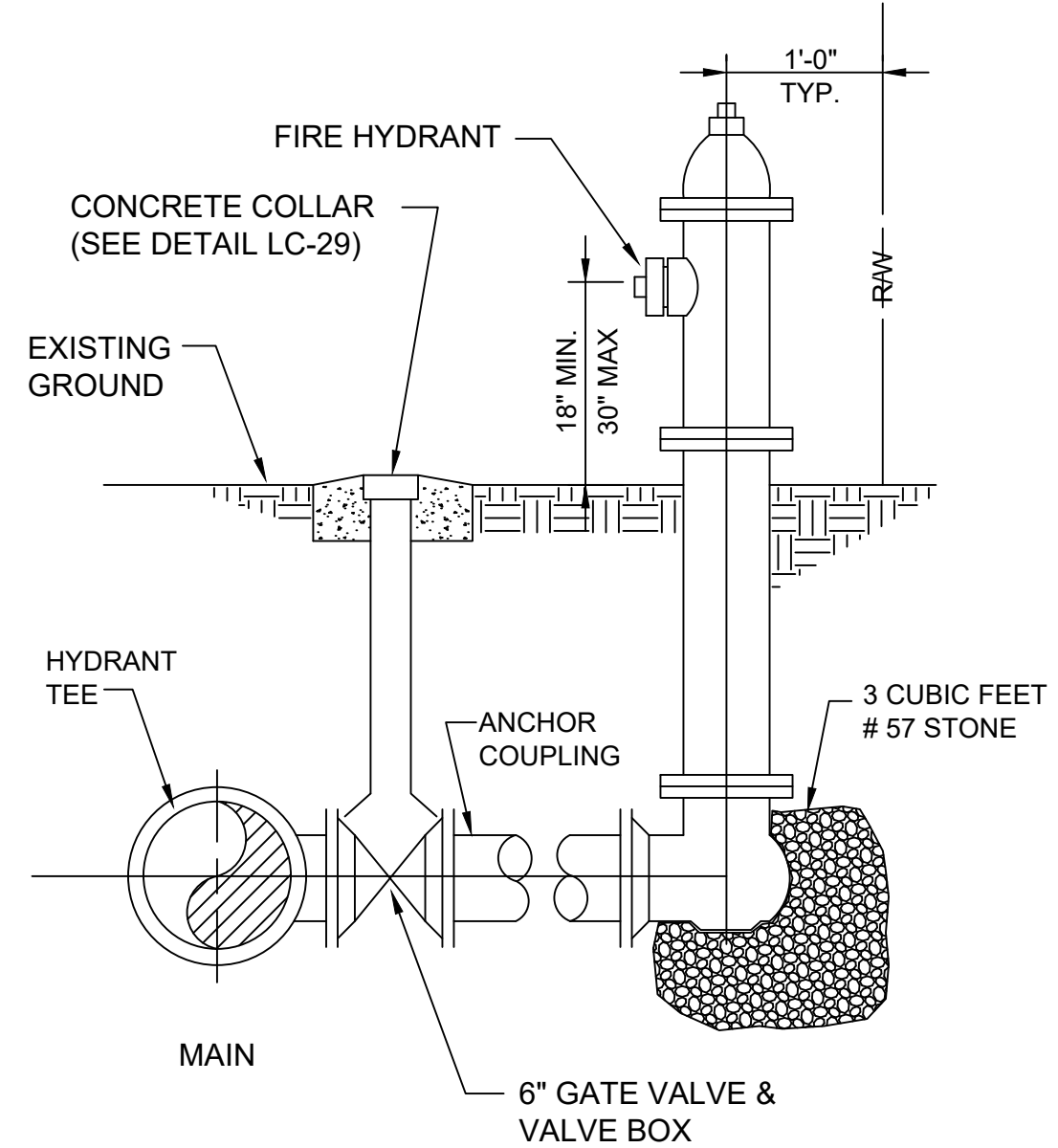
HIGHWAY UTILITY CROSSING DETAIL
N.T.S.

REVISED JANUARY 2003



LOWNDES COUNTY, GEORGIA
STANDARD DETAILS
WATER AND WASTEWATER

DATE: JULY 1996
SCALE: N.T.S.
JOB NO.: 1215-015-01
SHT. LC-19



FIRE HYDRANT
N.T.S.

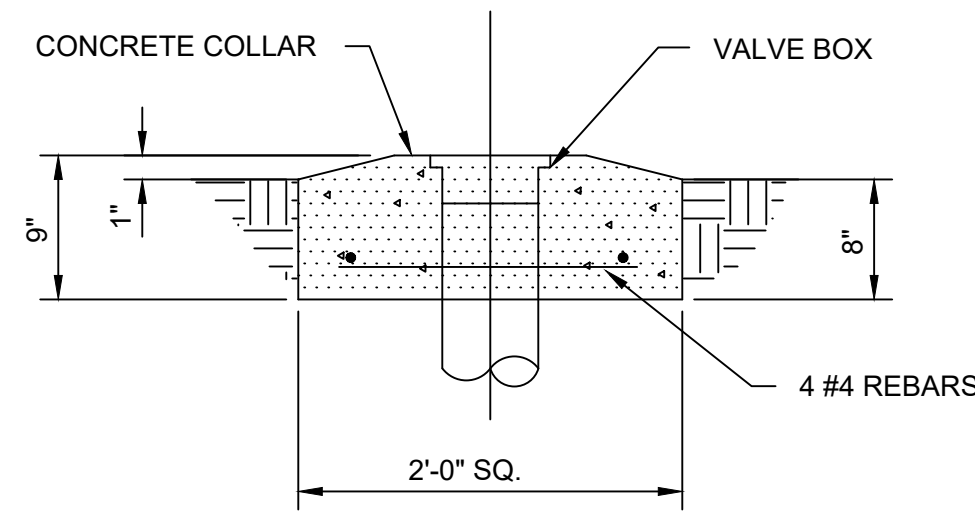
NOTE: A BLUE RAISED PAVEMENT MARKER SHALL BE INSTALLED WITH HYDRANT ALONG APPROPRIATE ROADWAY CENTERLINE WHEN APPLICABLE.

REVISED JANUARY 2003



LOWNDES COUNTY, GEORGIA
STANDARD DETAILS
WATER AND WASTEWATER

DATE: JULY 1996
SCALE: N.T.S.
JOB NO.:
SHT.



VALVE BOX FOR UNDERGROUND VALVE
N.T.S.

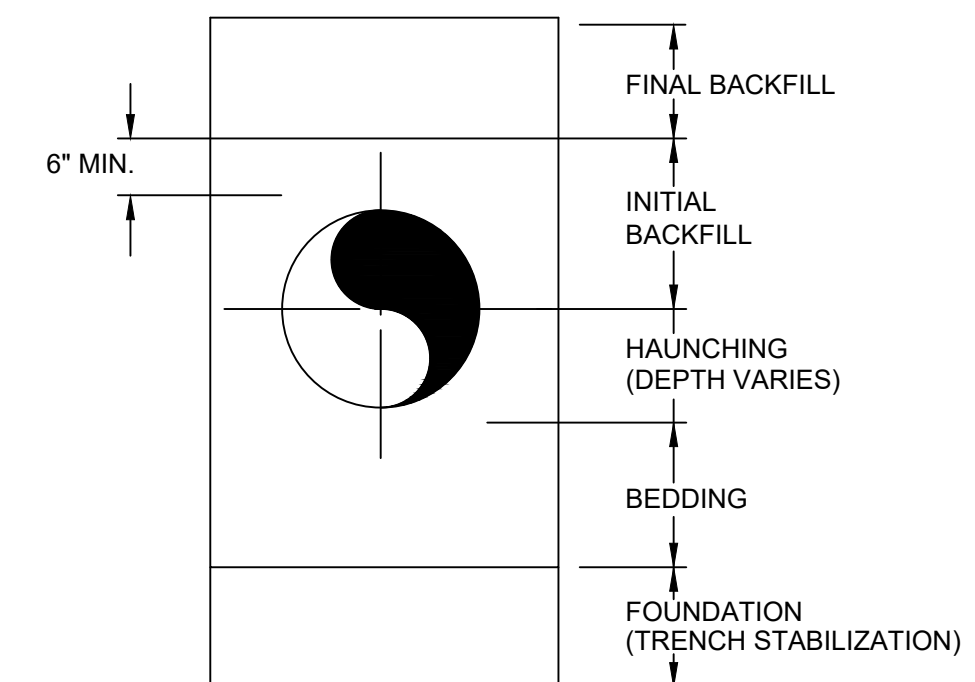
NOTE: CONCRETE COLLAR MAY BE PRECAST OR CAST IN PLACE.

REVISED JANUARY 2003



LOWNDES COUNTY, GEORGIA
STANDARD DETAILS
WATER AND WASTEWATER

DATE: JULY 1996
SCALE: N.T.S.
JOB NO.: 1215-015-01
SHT. LC-29



TRENCH TERMINOLOGY
N.T.S.

NOTE: SEE SPECIFICATIONS AND PIPE BEDDING AND HAUNCHING DETAILS FOR DIMENSIONS AND MATERIALS

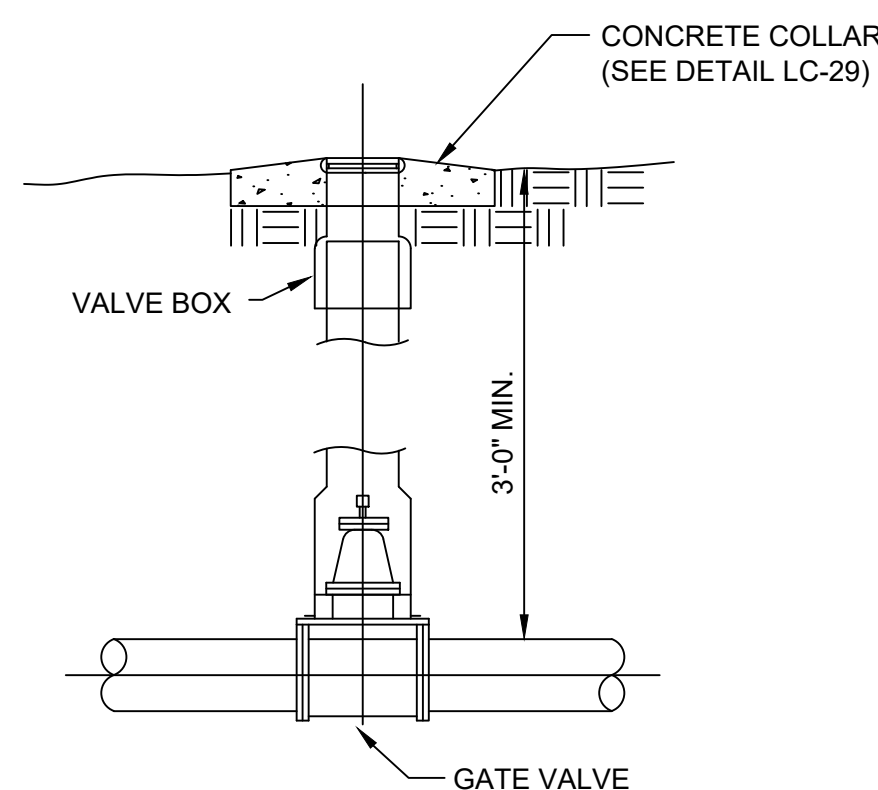
REVISED JANUARY 2003



LOWNDES COUNTY, GEORGIA
STANDARD DETAILS
WATER AND WASTEWATER

DATE: JULY 1996
SCALE: N.T.S.
JOB NO.: 1215-015-01
SHT. LC-6

NOTE: A WHITE RAISED PAVEMENT MARKER SHALL BE INSTALLED ALONG APPROPRIATE ROADWAY CENTERLINE AT ALL IN-LINE VALVE LOCATIONS.



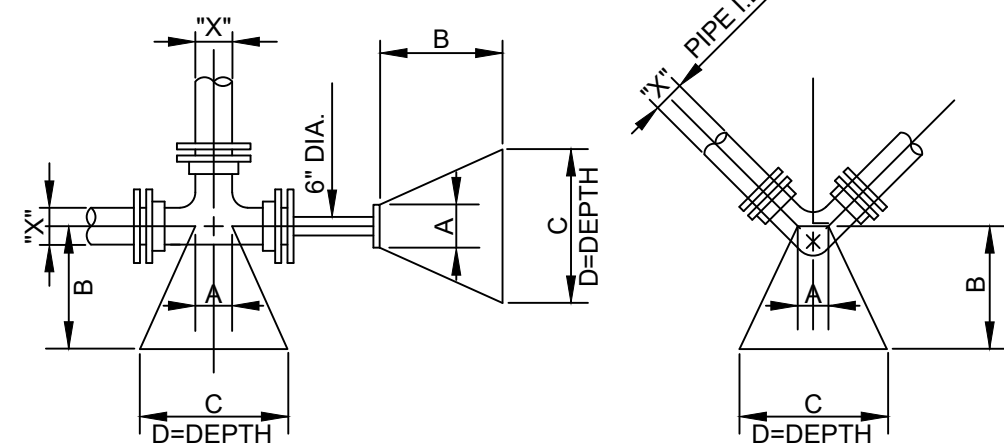
GATE VALVE INSTALLATION
N.T.S.

REVISED JANUARY 2003



LOWNDES COUNTY, GEORGIA
STANDARD DETAILS
WATER AND WASTEWATER

DATE: JULY 1996
SCALE: N.T.S.
JOB NO.:
SHT.



150 PSI TEST PRESSURE
2000 PSF SOIL BEARING

BLOCKING DIMENSIONS					
DEAD END & TEES	X*	A B C D			
		16"	1'-3"	3'-6"	7'-6"
12"	1'-0"	3'-0"	5'-6"	3'-6"	
10"	1'-0"	2'-6"	4'-9"	3'-0"	
8"	0'-10"	2'-0"	4'-0"	2'-6"	
6"	0'-8"	1'-6"	2'-9"	1'-9"	
16"	1'-3"	5'-6"	9'-0"	5'-6"	
12"	1'-0"	4'-0"	6'-9"	4'-3"	
10"	1'-0"	3'-0"	5'-9"	3'-6"	
8"	0'-10"	2'-6"	4'-9"	3'-0"	
6"	0'-8"	1'-6"	3'-6"	2'-9"	
16"	1'-3"	3'-6"	6'-9"	4'-3"	
12"	1'-0"	2'-3"	5'-3"	3'-3"	
10"	1'-0"	2'-3"	4'-6"	2'-9"	
8"	0'-10"	1'-6"	3'-6"	2'-3"	
6"	0'-8"	1'-3"	2'-6"	1'-6"	
16"	1'-3"	1'-6"	4'-9"	3'-0"	
12"	1'-0"	1'-6"	3'-6"	2'-3"	
10"	1'-0"	1'-3"	3'-0"	2'-0"	
8"	0'-10"	1'-0"	2'-6"	1'-6"	
6"	0'-8"	1'-0"	1'-9"	1'-3"	
16"	1'-3"	1'-6"	3'-3"	2'-0"	
12"	1'-0"	1'-6"	2'-6"	1'-6"	
10"	1'-0"	1'-0"	2'-3"	1'-3"	
8"	0'-10"	1'-0"	1'-9"	1'-0"	
6"	0'-8"	1'-0"	1'-6"	0'-6"	

X* = DIAMETER OF PIPE TO BE BLOCKED

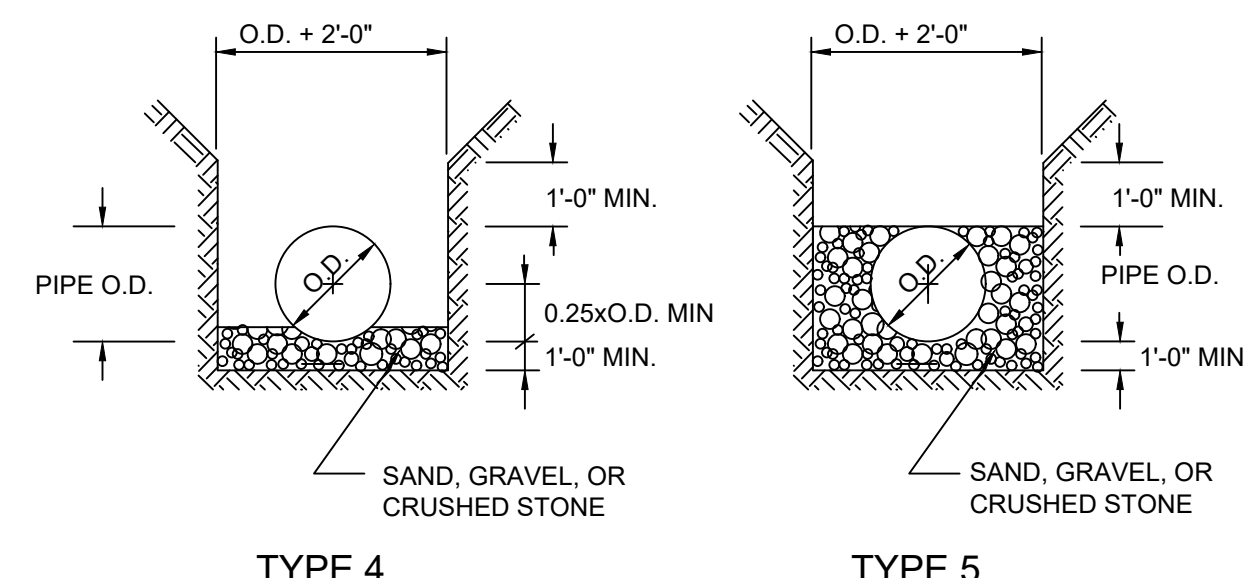
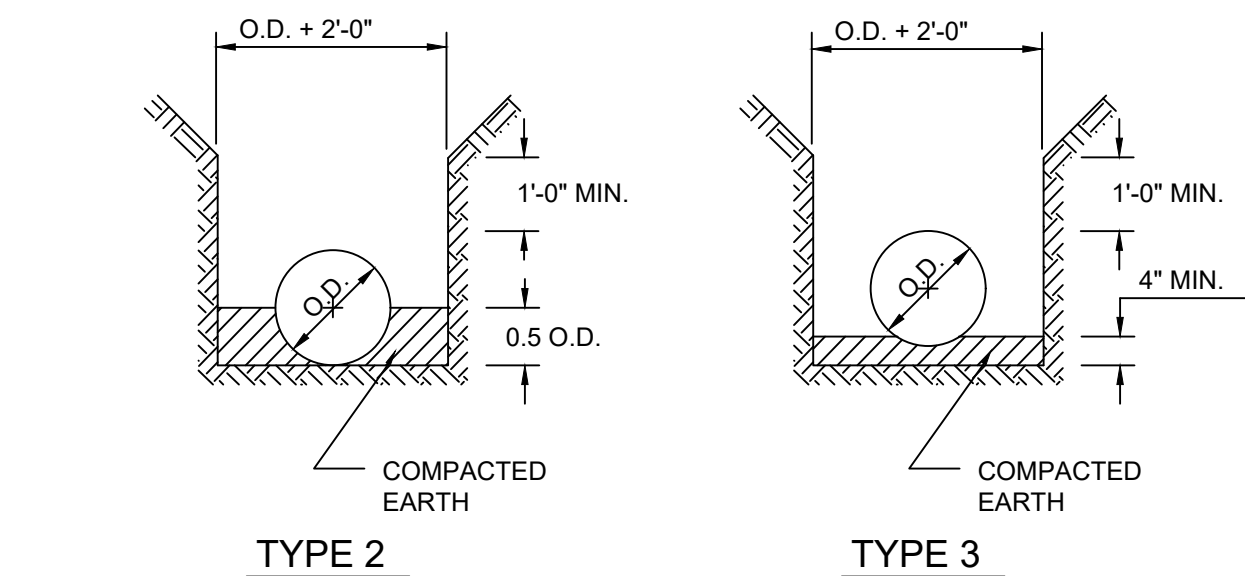
TYPICAL BLOCKING
N.T.S.

REVISED JANUARY 2003



LOWNDES COUNTY, GEORGIA
STANDARD DETAILS
WATER AND WASTEWATER

DATE: JULY 1996
SCALE: N.T.S.
JOB NO.: 1215-015-01
SHT. LC-14



PIPE BEDDING AND HAUNCHING
WATER MAIN
N.T.S.

REVISED JANUARY 2003



LOWNDES COUNTY, GEORGIA
STANDARD DETAILS
WATER AND WASTEWATER

DATE: JULY 1996
SCALE: N.T.S.
JOB NO.: 1215-015-01
SHT. LC-7

DATE	REVISIONS
06/24/2003	REVISIONS PER COUNTY COMMENTS
06/24/2003	REVISIONS PER COUNTY COMMENTS
06/24/2003	REVISIONS PER COUNTY COMMENTS
07/14/2003	REVISIONS PER COUNTY COMMENTS

BRIGGSTON ROAD PAVING IMPROVEMENTS
LOWNDES COUNTY, GEORGIA
L.L. 20, 21, 24, 25, & 26 OF THE 16TH L.D.
& L.L. 70 & 71 OF THE 11TH L.D.

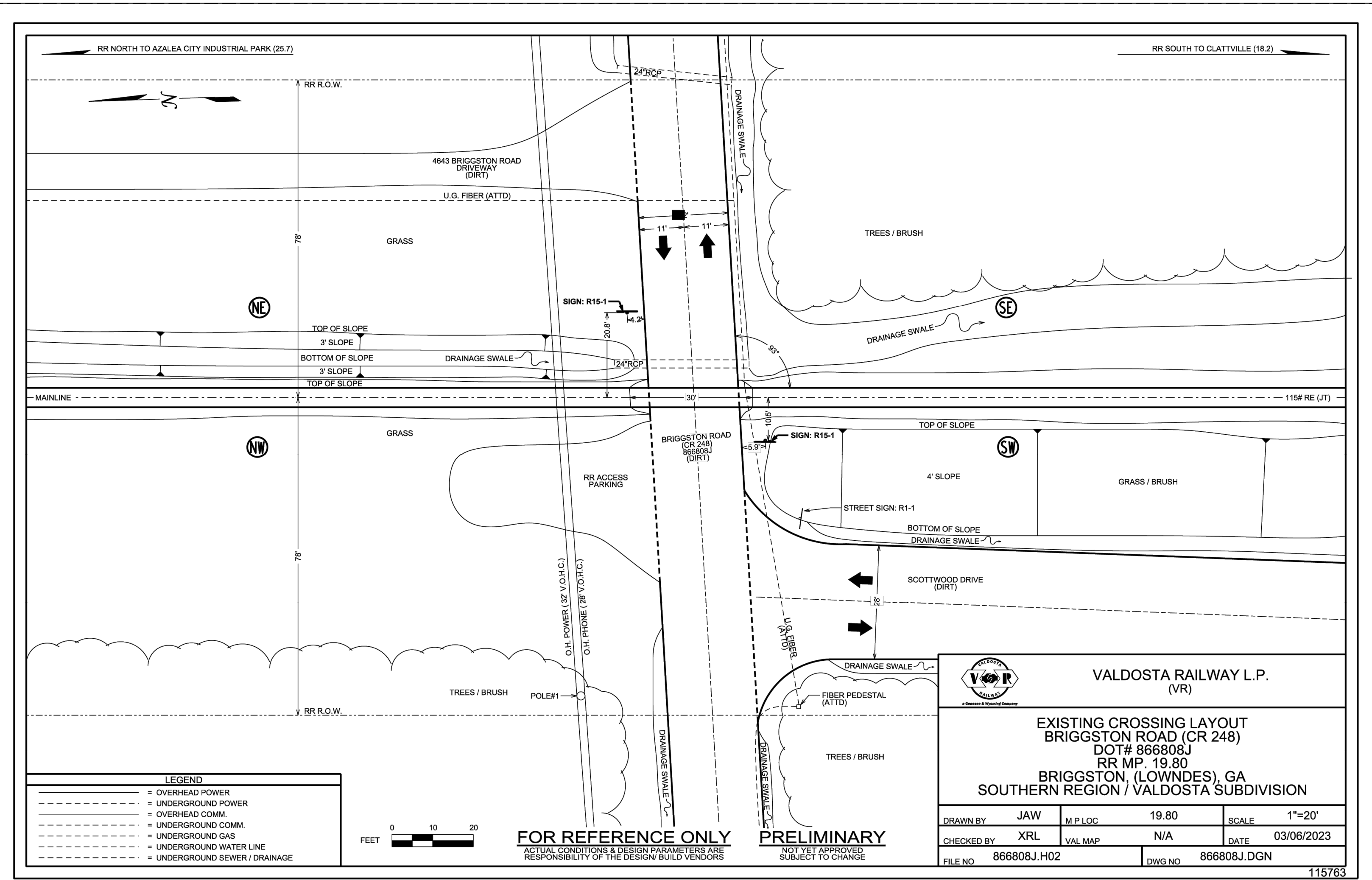
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DATE: 09/14/2022
DRAWN BY: M. WILSON
CHECKED BY: B. KENT

SHEET 45 OF 47

PROJECT NUMBER 1669



LEGEND

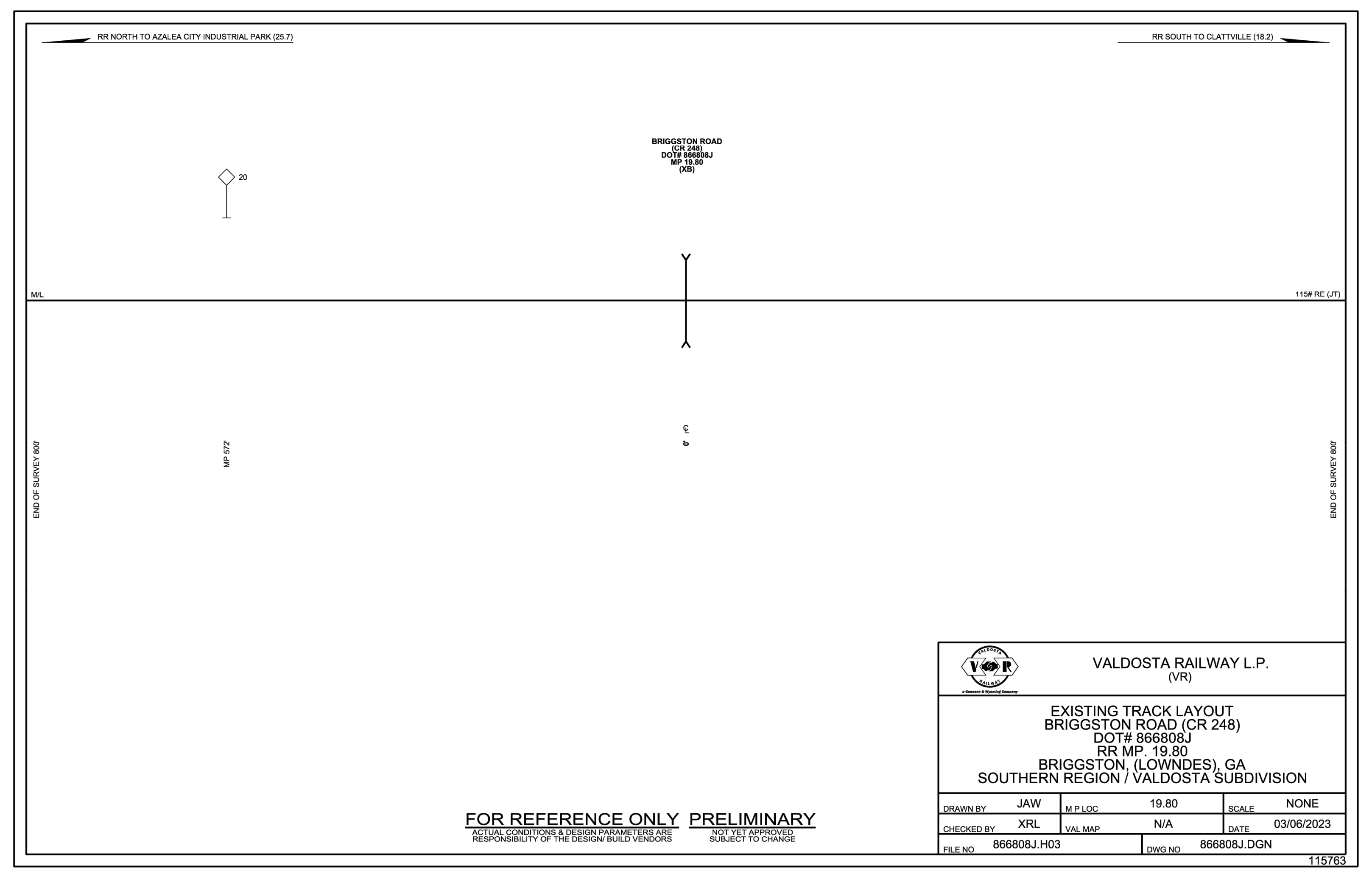
- - - - - OVERHEAD POWER
- - - - - UNDERGROUND POWER
- - - - - OVERHEAD COMM.
- - - - - UNDERGROUND COMM.
- - - - - UNDERGROUND GAS
- - - - - UNDERGROUND WATER LINE
- - - - - UNDERGROUND SEWER / DRAINAGE



FOR REFERENCE ONLY
ACTUAL CONDITIONS & DESIGN PARAMETERS ARE RESPONSIBILITY OF THE DESIGN/ BUILD VENDORS

PRELIMINARY
NOT YET APPROVED
SUBJECT TO CHANGE

VALDOSTA RAILWAY L.P. (VR) EXISTING CROSSING LAYOUT BRIGGSTON ROAD (CR 248) DOT# 866808J RR MP. 19.80 BRIGGSTON, (LOWNDES), GA SOUTHERN REGION / VALDOSTA SUBDIVISION					
DRAWN BY	JAW	M.P. LOC	19.80	SCALE	1"=20'
CHECKED BY	XRL	VAL MAP	N/A	DATE	03/06/2023
FILE NO.	866808J.H02	DWG NO.	866808J.DGN	115763	



FOR REFERENCE ONLY **PRELIMINARY**
ACTUAL CONDITIONS & DESIGN PARAMETERS ARE RESPONSIBILITY OF THE DESIGN/ BUILD VENDORS NOT YET APPROVED SUBJECT TO CHANGE

VALDOSTA RAILWAY L.P. (VR) EXISTING TRACK LAYOUT BRIGGSTON ROAD (CR 248) DOT# 866808J RR MP. 19.80 BRIGGSTON, (LOWNDES), GA SOUTHERN REGION / VALDOSTA SUBDIVISION					
DRAWN BY	JAW	M.P. LOC	19.80	SCALE	NONE
CHECKED BY	XRL	VAL MAP	N/A	DATE	03/06/2023
FILE NO.	866808J.H03	DWG NO.	866808J.DGN	115763	

REVISIONS

DATE	REVISIONS PER COUNTY COMMENTS
06/24/2023	REVISIONS PER COUNTY COMMENTS
06/29/2023	REVISIONS PER COUNTY COMMENTS
07/12/2023	REVISIONS PER COUNTY COMMENTS
07/14/2023	REVISIONS PER COUNTY COMMENTS

BRIGGSTON ROAD PAVING IMPROVEMENTS
LOWNDES COUNTY, GEORGIA
L.L. 20, 21, 24, 25, & 26 OF THE 16TH L.D.
& L.L. 70 & 71 OF THE 11TH L.D.

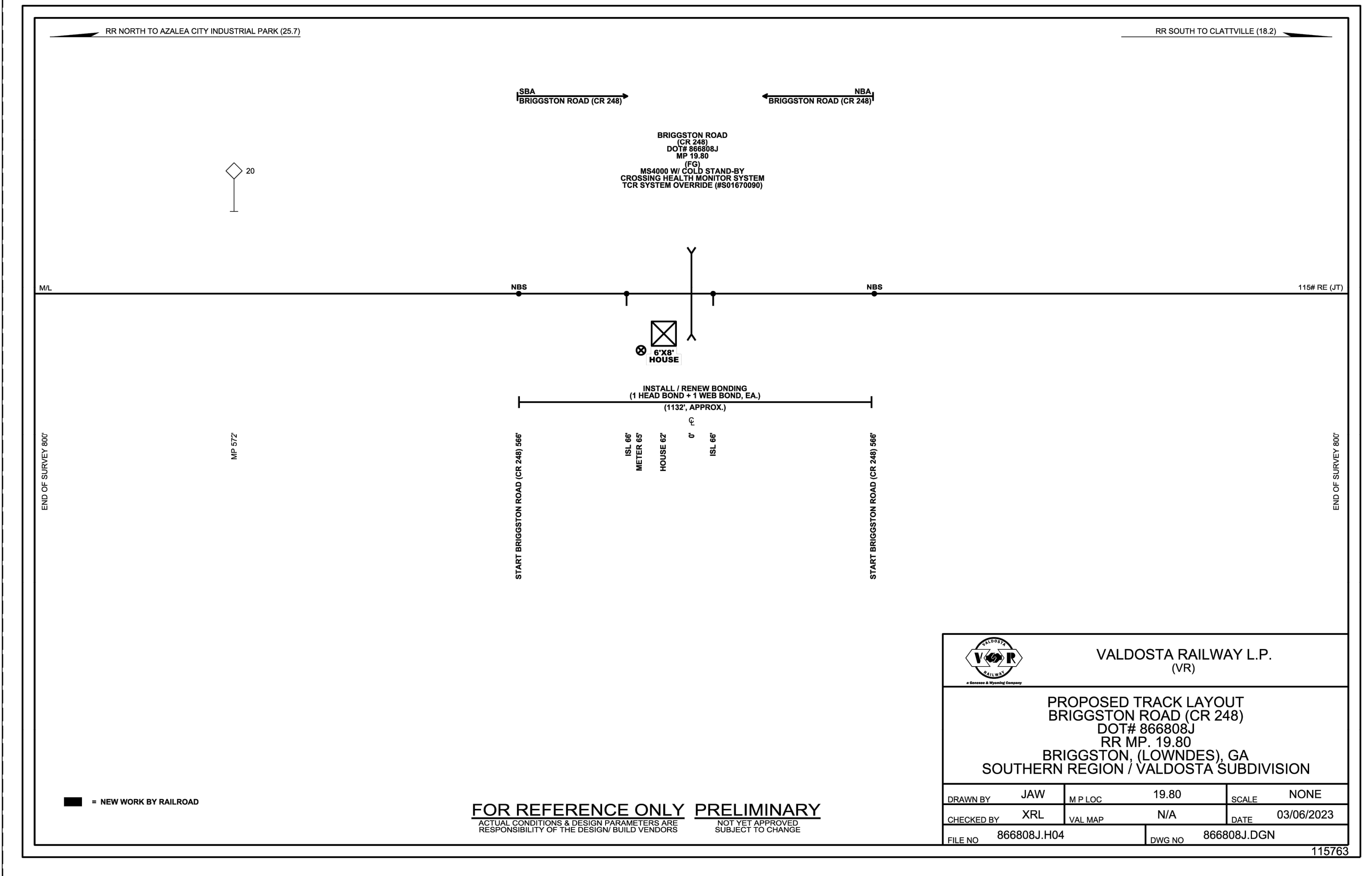
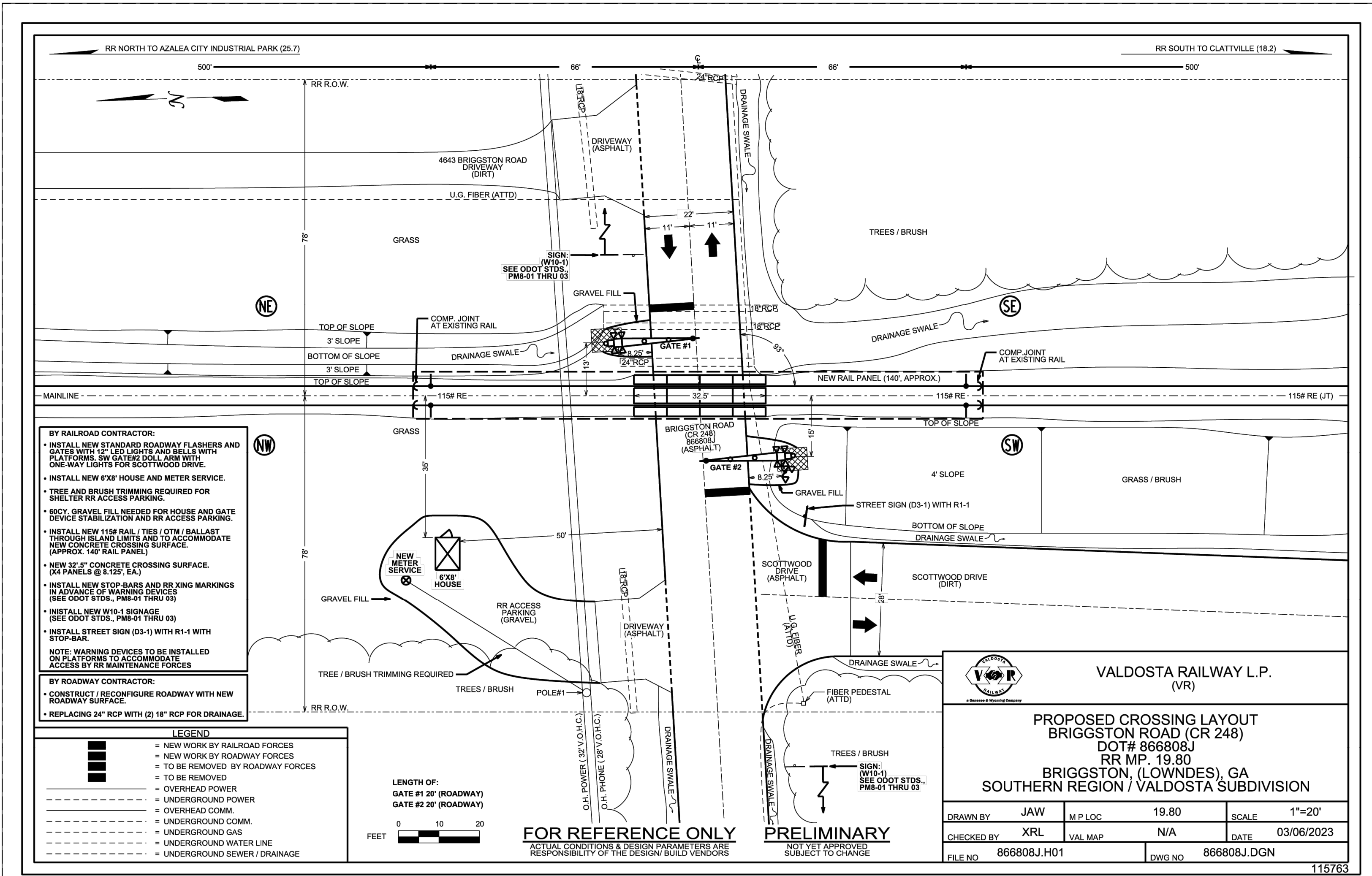
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PROJECT NUMBER 1669



REVISIONS

DATE	REVISIONS PER COUNTY COMMENTS
02/24/2023	REVISIONS PER COUNTY COMMENTS
03/09/2023	REVISIONS PER COUNTY COMMENTS
03/20/2023	REVISIONS PER COUNTY COMMENTS
07/14/2023	REVISIONS PER COUNTY COMMENTS

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**BRIGGSTON ROAD
PAVING IMPROVEMENTS**
LOWNDES COUNTY, GEORGIA
L.L. 20, 21, 24, 25, & 26 OF THE 16TH L.D.
& L.L. 70 & 71 OF THE 11TH L.D.

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