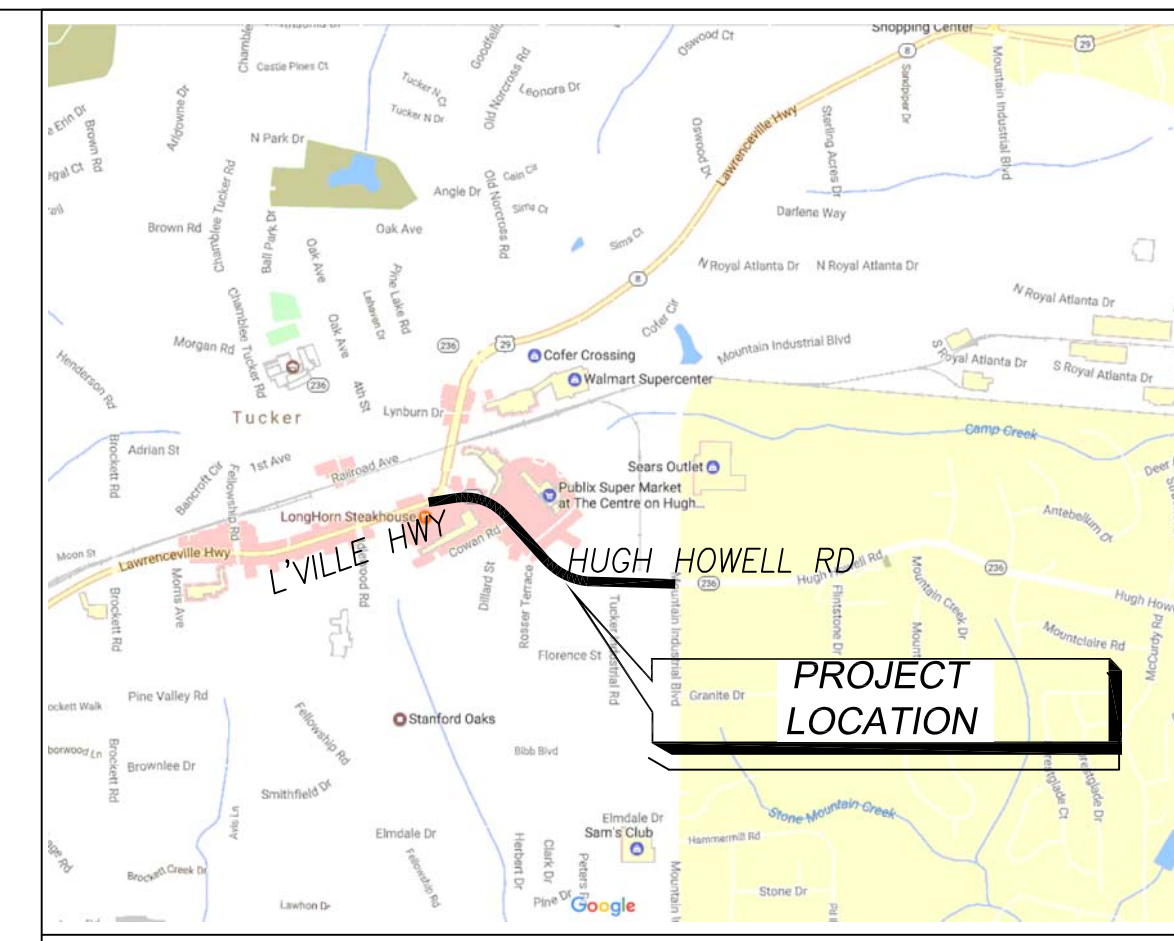


DEKALB COUNTY DEPARTMENT OF TRANSPORTATION

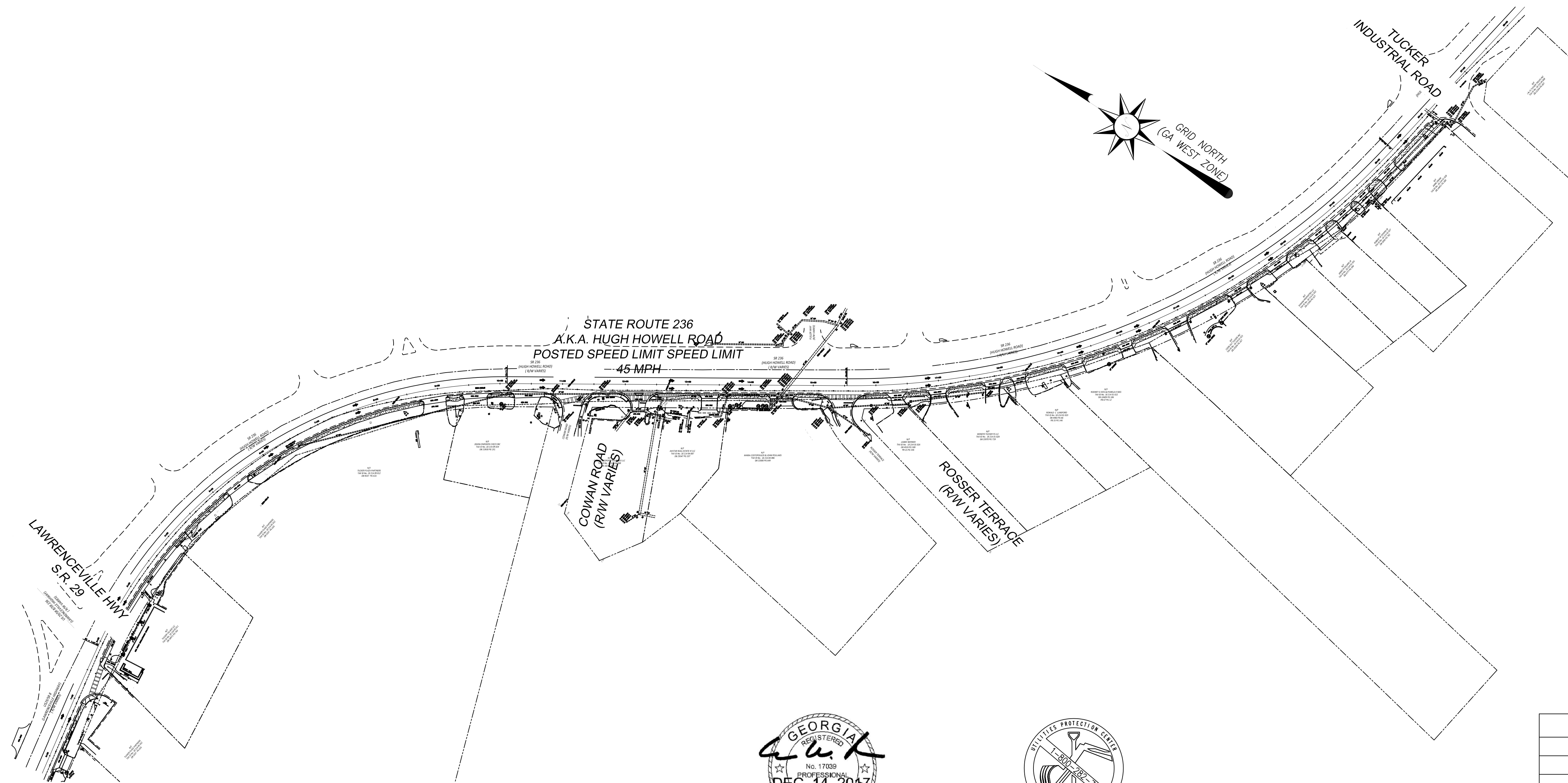
SIDEWALK IMPROVEMENTS AT SOUTH SIDE OF S.R. 236 / HUGH HOWELL ROAD DEKALB COUNTY, GEORGIA



LOCATION MAP

GEORGIA D.O.T. NOTES

- THE WORK AUTHORIZED MUST BEGIN WITHIN THREE MONTHS AND BE COMPLETED WITHIN TWELVE MONTHS ON A SCHEDULE SATISFACTORY TO THE DEPARTMENT FROM THE PERMIT APPROVAL DATE AND ALSO, BE COMPLETED BEFORE THIS FACILITY IS OPEN TO THE PUBLIC.
- THE FOLLOWING WILL NOT BE ALLOWED ON DOT RIGHT-OF-WAY: (1) DIVERSION OF ADDITIONAL DRAINAGE AREA ONTO THE RIGHT-OF-WAY, OR INCREASE IN THE CFS OF CURRENT VOLUMES OF WATER (2) GRADING EXCEPT AT DRIVEWAY CONSTRUCTION LOCATION. (3) HEADWALLS, (4) SIGNS, DISPLAY DEVICES, AND OTHER STRUCTURES WHICH ARE DESIGNED, INTENDED, OR USED TO ADVERTISE OR INFORM, (5) LANDSCAPING WITHOUT PRIOR APPROVAL OF THE LANDSCAPE PLAN.
- ALL EXISTING UTILITIES WHICH WOULD BE UNDER NEW PAVEMENT OR IN ACCELERATION/DECELERATION LANES SHALL BE RELOCATED BEFORE FINAL GRADING OR PAVING AND AT NO COST TO THE DOT, OR AN APPROVED RETENTION LETTER FROM THE UTILITY OWNER.
- CONSTRUCTION OF EROSION CONTROL BARRIERS PER GEORGIA DEPARTMENT OF NATURAL RESOURCES CODE 391-3-7 AND SHALL BE MAINTAINED UNTIL PERMANENT VEGETATION IS ESTABLISHED.
- APPLICANT SHALL RESTORE ALL EXISTING SIGNS AND REGRESS TO DOT SPECIFICATIONS ALL RIGHT OF WAY THAT IS DISTURBED DURING WORK AUTHORIZED HEREIN.
- THE PERMIT APPLICANT IS RESPONSIBLE FOR REPLACEMENT OF ALL EXISTING PAVEMENT MARKINGS DAMAGED BY THE PERMIT CONSTRUCTION AND THE ADDITION OF NEW PAVEMENT MARKINGS AND OR SIGNS AS SHOWN ON THE APPROVED PLAN, OR CURRENT M.U.T.C.D. GUIDELINES.
- ALL CURBED ISLANDS SHALL BE FILLED TO THE TOP OF CURB WITH TOP SOIL AND GRASSED.
NOTE: THIS APPROVAL DOES NOT ALLOW ANY WORK ON STATE RIGHT-OF-WAY IN CONNECTION WITH UTILITY LINES (SANITARY SEWER, WATER, TELEPHONE, GAS, ETC.)
- REQUIRED PAVEMENT SPECIFICATIONS**
 1 1/4"-----3.5 mm SUPERPAVE
 2"-----19 mm SUPERPAVE
 8"-----25mm SUPERPAVE
 12"-----GRADED AGGREGATE BASE COURSE
- NOTICE**
 THIS PERMIT IS APPROVED SUBJECT TO THE REVISIONS AND COMMENTS SHOWN IN RED ON THE ATTACHED PLAN COPY AND SHALL REMAIN DEPENDENT UPON COMPLIANCE WITH THESE.
 NO WORK WILL BE ACCOMPLISHED UNDER THIS PERMIT WITHIN THE CONSTRUCTION LIMITS OF ANY DOT PROJECT WITHOUT WRITTEN APPROVAL OF THE PRIME CONTRACTOR.
 THE MAINTENANCE OF THE DRIVEWAY FROM THE NORMAL EDGE OF PAVEMENT IS THE RESPONSIBILITY OF THE PERMITEE.
 OVERLAY SHALL BE AS DIRECTED BY GDOT PERMIT INSPECTOR.
 ALL SIDEWALKS, CROSSWALKS AND RAMPS SHALL MEET ADA STANDARDS GDOT DETAILS.
 THE APPLICANT IS RESPONSIBLE TO OBTAIN ALL NECESSARY ENVIRONMENTAL APPROVALS PRIOR TO ANY WORK ON STATE RW.



Prepared By

Moreland Altobelli Associates, Inc.

Engineering-Planning-Landscape Architecture-Land Acquisition-Surveying
327 Dahlonega Street Suite 1401 Cumming, GA 30040 (770-781-5507)

MA PROJECT #16G103

REVISED DECEMBER 14, 2017

| DRAWING INDEX | |
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| C1.0 | COVER & INDEX |
| C2.0 | GENERAL NOTES |
| C3.0 | TYPICAL SECTIONS |
| C3.1 | CONSTRUCTION DETAIL |
| C4.0 | SUMMARY OF QUANTITIES |
| C5.0 - C5.3 | LAYOUT & GRADING - GDOT ENCROACHMENT PLAN |
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| C6.4 | EROSION & SEDIMENT CONTROL NOTES |
| C6.5 | EROSION & SEDIMENT CONTROL DETAILS |
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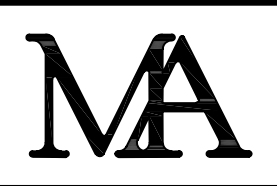
CONTRACTOR SHALL LOCATE ALL UTILITIES PRIOR TO BEGINNING WORK (CALL BEFORE YOU DIG: (DIAL 811)). CONTRACTOR IS RESPONSIBLE FOR ALL LOCATION.

UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY. OTHER UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THESE PLANS.

ALL WORK SHALL BE DONE IN ACCORDANCE WITH GDOT STANDARDS.

CONTRACTOR SHALL ADHERE TO ALL EROSION CONTROL REGULATIONS, AND INSTALL ALL NECESSARY EROSION AND SEDIMENT CONTROL MEASURES, WHETHER OR NOT THE PLANS SHOW THE REQUIRED MEASURES.

ALL UTILITY PERMITS IN THE STATE RIGHT-OF-WAY TO BE APPLIED FOR SEPARATELY BY UTILITY OWNER AT THE TIME OF WORK.



Moreland Altobelli Associates, Inc.
2450 Commerce Ave.
Suite 100
Duluth, Georgia 30096-8910
Telephone (770) 263-5845

| DESIGNED BY | NAME | DATE | DRAWN BY | NAME | DATE |
|-------------|------|---------|----------|------|---------|
| JAD | JAD | 7/10/17 | JAD | JAD | 7/10/17 |
| EB | EB | 7/10/17 | EB | EB | 7/10/17 |

DEKALB COUNTY
DEPARTMENT OF TRANSPORTATION
DEKALB COUNTY, GA

S.R. 236 / HUGH HOWELL ROAD
SIDEWALK IMPROVEMENTS CONSTRUCTION PLANS
COVER & SHEET INDEX

DRAWING NUMBER
C1.0

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- ALL WORK TO BE DONE IN ACCORDANCE WITH THE DEPARTMENT OF TRANSPORTATION OF GEORGIA STANDARD SPECIFICATIONS FOR THE CONSTRUCTION OF TRANSPORTATION SYSTEMS, 2013 EDITION AND SUPPLEMENTS THERETO, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION.
- ALL KNOWN UTILITY FACILITIES ARE SHOWN SCHEMATICALLY ON HIGHWAY PLANS AND ARE NOT NECESSARILY ACCURATE IN LOCATION AS TO PLAN OR ELEVATION. UTILITY FACILITIES SUCH AS SERVICE LINES OR UNKNOWN FACILITIES NOT SHOWN ON HIGHWAY PLANS WILL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY UNDER THIS REQUIREMENT EXCEPT AS NOTED BELOW. "EXISTING UTILITY FACILITIES" MEANS ANY UTILITY THAT EXISTS ON THE HIGHWAY PROJECT IN ITS ORIGINAL, RELOCATED, OR NEWLY INSTALLED POSITION. THE CONTRACTOR WILL NOT BE HELD RESPONSIBLE FOR THE COST OF REPAIRS TO DAMAGED UTILITY FACILITIES OTHER THAN SERVICE FROM STREET MAINS TO ADJUTING PROPERTY. WHEN SUCH FACILITIES ARE NOT SHOWN ON THE HIGHWAY PLANS AND THEIR EXISTENCE IS UNKNOWN TO THE CONTRACTOR PRIOR TO THE DAMAGES OCCURRING PROVIDING THE ENGINEER DETERMINES THE CONTRACTOR HAS OTHERWISE FULLY COMPLIED WITH THE SPECIFICATIONS. ALL UTILITY FACILITIES WHICH ARE IN CONFLICT WITH CONSTRUCTION AND ARE NOT COVERED AS SPECIFIC ITEMS IN THE DETAILED ESTIMATE ARE TO BE REMOVED OR RELOCATED TO CLEAR CONSTRUCTION IN ADVANCE OF HIS WORK.
- UTILITY WORK COORDINATION WILL BE REQUIRED AS PART, OF THIS CONTRACT. THE CONTRACTOR WILL BE REQUIRED TO USE THE ONE-CALL CENTER TELEPHONE NUMBER: 1-800-282-7411 OR THE WEB SITE: WWW.UPC.COM, FOR THE PURPOSE OF COORDINATING THE MARKING OF UNDERGROUND UTILITIES. THE CONTRACTOR'S ATTENTION IS CALLED TO SUB-SECTION 105.06 OF THE GADOT STANDARD SPECIFICATIONS. "COOPERATION WITH UTILITIES."

UTILITY PROVIDER AND CONTACTS IN THE PROJECT AREA:

SOUTHERN GAS COMPANY: MILTON FLOYD, 404-584-3598

AT&T TELECOM: DAVID WAGONER, 770-878-0277

COMCAST TELCOM: CHARLES ROSS, 770-559-6052

DEKALB CO. TRAFFIC & SAFETY: BRITT DANIEL, 678-758-7794

DEKALB CO. WATER & SEWER: MICHELLE OTIF, 770-724-1481

GEORGIA POWER: KRIS STEPHENS, X2KSTEPH@SOUTHERNCO.COM

VERIZON WIRELESS: JOHN BACHOLDER, 800-624-9675

CROWN CASTLE TELECOM: RICK SANDALA, 404-506-6539

ZAYO TELECOM: RUSTY PERDIEU 863-368-1380

- THE CONTRACTOR SHALL STRICTLY ADHERE TO DUST CONTROL REGULATIONS. ALL AREAS SUBJECTED TO DUST FORMATION MUST BE PERIODICALLY WATERED SUFFICIENT TO RETARD DUST. ALL COSTS FOR DUST CONTROL SHALL BE INCLUDED IN PRICE BID FOR GRADING COMPLETE - LUMP SUM.
- INGRESS AND EGRESS SHALL BE MAINTAINED AT ALL TIMES TO ADJACENT PROPERTIES. REFER TO SUB-SECTION 107.07 OF THE GADOT STANDARD SPECIFICATIONS.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FURNISH SUITABLE BORROW MATERIAL FOR THE PROJECT AND DISPOSE OF ANY UNSUITABLE OR WASTE MATERIAL.
- HORIZONTAL CONTROL IS BASED UPON ASSUMED DATUM. SEE PLANS FOR LOCATIONS AND DESCRIPTIONS OF MONUMENTS USED.
- AGGREGATE SURFACE COURSE FOR TEMPORARY DRIVEWAYS, INCLUDING MATERIAL, HAUL AND PLACEMENT SHALL BE USED AT THE ENGINEER'S DIRECTION TO FACILITATE THE MOVEMENT OF LOCAL TRAFFIC THROUGH THE CONSTRUCTION AREA DURING INCLEMENT WEATHER. WHEN USED FOR THIS PURPOSE, SECTION 318 OF THE GADOT STANDARD SPECIFICATIONS IS MODIFIED TO PERMIT TRUCK DUMPING ON UNPREPARED WET, MUDDY SUBGRADE. SECTION 318 IS FURTHER MODIFIED TO PERMIT THE USE OF CRUSHER STONE AS DESCRIBED IN SECTION 318.02. THE CONTRACTOR WILL HAVE THE USE OF THE FOLLOWING MATERIALS:
 - A. GRADED AGGREGATE, ARTICLE 815.2.01
 - B. COURSE AGGREGATE, SIZE 467, ARTICLE 800.2.01
 - C. STABILIZED AGGREGATE, TYPE I OR 11, SECTION 803.2, 01 OR 803, 2.02
 - D. CRUSHED STONE, ARTICLE 806.2.01

GENERAL NOTES:

- ALL GRADED AREAS SHALL BE GRADED TO PROVIDE POSITIVE DRAINAGE AWAY FROM BUILDINGS, PAVEMENT, ETC. INTO STORM STRUCTURES AT ALL TIMES.
- FILL MATERIALS SHALL CONSIST OF CLEAN SOIL, FREE OF ORGANIC OR DELETERIOUS MATERIALS, ROCK, OR BROKEN PIECES OF CONCRETE LARGER THAN THREE INCHES IN SIZE, OR OF ANY OTHER FOREIGN OBJECTS THAT COULD IMPEDE THE COMPACTION RESULTS. FILL MATERIAL SHALL BE SPREAD EVENLY IN EIGHT-INCH (8") LIFTS OVER THE FULL WIDTH OF FILL AND COMPACTED TO 95% OF MAXIMUM DRY DENSITY.
- THE MAXIMUM CUT OR FILL SLOPES ARE 2 FEET HORIZONTAL AND 1 FOOT VERTICAL.
- CONTOURS AND ELEVATIONS SHOWN ON THE PLAN AND PROFILE DRAWING REPRESENT FINISHED GRADES. CONTRACTOR SHALL ALLOW FOR PAVEMENT THICKNESS, SIDEWALL SLABS, TOPSOIL, ETC., WHEN GRADING TO SUB-GRADE.
- ALL CONSTRUCTION DEBRIS (TREES, STUMPS, LIMBS, ETC.) WILL BE DEPOSITED IN A PROPERLY PERMITTED LANDFILL. NO MATERIAL SHALL BE PLACED UNDER STRUCTURAL AREAS, OR WITHIN AREAS DESIGNATED FOR SEWAGE DISPOSAL.
- MANHOLES (JUNCTION BOXES) GDOT STD. 1011A. ALL GRATES & FRAMES & LIDS SHALL BE CAST IRON, LIGHT DUTY TRAFFIC RELATED. HW PER GDOT STD. 1125 OR 1120 AS SHOWN IN PROFILES.
- THE CONTRACTOR SHALL LOCATE ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING EXCAVATION WORK. CALL 811 FOR UTILITY LOCATE.
- THE CONTRACTOR IS RESPONSIBLE FOR SUBGRADE PREPARATION, REMOVAL OF UNSUITABLE SOILS, ROCK AND PLACEMENT OF SUITABLE FILL.

- ALL DRIVEWAYS WHERE ACCESS IS ALLOWED SHALL BE PLACED AS DIRECTED BY THE ENGINEER IN ACCORDANCE WITH THE GDOT REGULATIONS FOR DRIVEWAY AND ENCROACHMENT CONTROL. ALL DRIVEWAYS THAT ARE TO BE RECONSTRUCTED SHALL BE REPLACED IN KIND, I.E. ASPHALT FOR ASPHALT, CONCRETE FOR CONCRETE, AND AGGREGATE SURFACE COURSE FOR EARTH. THE DRIVEWAY LOCATION LISTED IN THE PLANS ARE FROM THE BEST AVAILABLE DATA. THE CONTRACTOR SHALL CONSTRUCT NEW DRIVEWAYS TO MATCH THE ACTUAL FIELD LOCATION OF EXISTING DRIVEWAYS WHERE THEY ARE NOT IN CONFLICT WITH THE RULES AND REGULATIONS. THE CONTRACTOR SHALL OBTAIN THE APPROVAL OF THE ENGINEER PRIOR TO MAKING ANY REVISIONS SUCH AS TO LOCATION, WIDTH AND /OR NUMBER OF DRIVES TO BE CONSTRUCTED. WHERE REQUIRED THE DRIVES SHALL BE PAVED AS INDICATED ON PLANS.
- THE CONTRACTOR SHALL OBSERVE ALL APPLICABLE LOCAL, STATE, AND FEDERAL SAFETY REGULATIONS REGARDING PIPE INSTALLATION IN TRENCHES. NO SEPARATE PAYMENT WILL BE MADE FOR ANY COST INCURRED TO COMPLY WITH THIS REQUIREMENT.
- AT LOCATIONS WHERE NEW PAVEMENT IS TO BE PLACED ADJACENT TO EXISTING PAVEMENT WITHOUT AN OVERLAY OR WHERE CURBING IS TO BE PLACED ACROSS A PAVED AREA, A JOINT SHALL BE SAWED ON A LINE ESTABLISHED BY THE ENGINEER TO ENSURE A PAVEMENT REMOVAL TO A NEAT LINE. THE COST FOR SAWED JOINTS, WHEN REQUIRED, SHALL BE INCLUDED IN PRICE BID FOR OTHER CONTRACT ITEMS, EXCEPT WHEN SAWING P.C.C CONCRETE PAVEMENT.
- THE CONTRACTOR'S ATTENTION IS DIRECTED TO ARTICLES 104.05 AND 107.07 OF THE GADOT STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS FOR TRAFFIC CONTROL AND SEQUENCE OF OPERATIONS IN REGARDS TO MAINTENANCE OF TRAFFIC DURING CONSTRUCTION.
- PRICE BID FOR TRAFFIC CONTROL - LUMP SUM SHALL INCLUDE, BUT IS NOT LIMITED TO CONSTRUCTION, MAINTENANCE, AND REMOVAL OF TEMPORARY SIGNING AND PAVEMENT MARKINGS, BARRICADES, CHANNELIZING DEVICES ETC. REQUIRED FOR MAINTENANCE OF TRAFFIC DURING CONSTRUCTION. ALL TEMPORARY SIGNING AND PAVEMENT MARKING SHALL BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES LATEST EDITION AND/OR AS DIRECTED BY THE ENGINEER.
- ALL CUT AND FILL SLOPES SHALL BE GRASSED AS DIRECTED BY THE ENGINEER IMMEDIATELY AFTER THE SLOPES ARE ESTABLISHED IN ORDER TO REDUCE EROSION. IF THE SEASON DOES NOT PERMIT GRASSING, TEMPORARY MULCH SHALL BE USED AS DIRECTED BY THE ENGINEER. REFER TO SECTION 161 OF THE STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL ENSURE THAT POSITIVE AND ADEQUATE DRAINAGE IS MAINTAINED AT ALL TIMES WITHIN THE PROJECT LIMITS. THIS MAY INCLUDE, BUT NOT LIMITED TO, REPLACEMENT OR RECONSTRUCTION OF EXISTING DRAINAGE STRUCTURES THAT HAVE BEEN DAMAGED OR REMOVED OR REGRADED AS REQUIRED BY THE ENGINEER, EXCEPT FOR THOSE DRAINAGE ITEMS SHOWN AT SPECIFIC LOCATIONS IN THE PLANS AND HAVING SPECIFIC PAY ITEMS IN THE DETAILED ESTIMATE. NO SEPARATE PAYMENT WILL BE MADE FOR ANY COSTS INCURRED TO COMPLY WITH THIS REQUIREMENT.
- EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO OR CONCURRENT WITH LAND DISTURBANCE ACTIVITIES AND SHALL BE MAINTAINED AT ALL TIMES. ADDITIONAL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSTALLED IF DEEMED NECESSARY BY ONSITE INSPECTION OR AS DIRECTED BY THE ENGINEER.
- ALL SILT FENCES MUST BE PLACED AS ACCESS IS OBTAINED DURING CLEARING. NO GRADING SHALL BE DONE UNTIL SILT FENCE INSTALLATION IS COMPLETE. IT IS THE CONTRACTORS RESPONSIBILITY TO MAINTAIN ALL SILT FENCES AND TO REPAIR OR REPLACE ANY SILT FENCE THAT IS NOT SATISFACTORY. EROSION CONTROL GATES SHALL BE PLACED IMMEDIATELY AFTER DRAINAGE STRUCTURES ARE IN PLACE. ALL EROSION CONTROL DEVICES SHALL BE PLACED ACCORDING TO THE PLANS AND AS DIRECTED BY THE ENGINEER. SEE THE GADOT STANDARD SPECIFICATIONS REGARDING EROSION CONTROL AND THE MANUAL FOR EROSION AND SEDIMENT CONTROL BY G.S.W.C.C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING WETLAND AREAS FREE FROM SILTATION. THE CONTRACTOR SHALL OBTAIN AND ABIDE BY ALL CORPS OF ENGINEERS RULES AND REGULATIONS CONCERNING CONSTRUCTION ADJACENT TO WATERWAYS AND MAINTAIN WATER QUALITY.
- CONSTRUCTION LAYOUT & GRADING - GDOT ENCROACHMENT PLAN WILL BE REQUIRED BY THE CONTRACTOR. ALL COST FOR THIS ITEM WILL BE INCLUDED IN THE PRICE BID FOR OTHER CONTRACT ITEMS.
- DEKALB COUNTY REPRESENTATIVE SHALL BE NOTIFIED A MINIMUM OF 72 HOURS IN ADVANCE OF ALL SIGNING STRIPING AND GUARDRAIL PLACEMENT FOR PRE-MARKING THE LOCATIONS. THE CONTRACTOR SHALL COORDINATE THIS ACTION WITH THE PROJECT ENGINEER.
- WHERE WET SUBGRADE IS ENCOUNTERED AND WHERE IDENTIFY BY THE ENGINEER, UNDERDRAIN PIPE WITH DRAINAGE AGGREGATE SHALL BE PLACED AS DIRECTED BY THE ENGINEER TO AID IN DEWATERING THE SUBGRADE.
- ALL EXISTING PIPE SHALL BE REMOVED UNLESS OTHERWISE NOTED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. COST FOR REMOVAL SHALL BE INCLUDED IN THE PRICE BID FOR GRADING COMPLETE.
- CONTRACTOR SHALL INSTALL SIDEDRAINS AS LISTED IN THE PLANS OR DIRECTED BY ENGINEER.
- ALL EXISTING POLES, SIGNAGE, AND EQUIPMENT WHICH IS TO BE REMOVED AND NOT RE-INSTALLED, SHALL REMAIN THE PROPERTY OF DEKALB COUNTY.

THE TOTAL ACREAGE IN THE RW AND EASEMENTS SHOWN FOR CLEARING AND GRUBBING IS FOR ESTIMATING PURPOSES ONLY. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE TOTAL ACREAGE SHOWN IN CASE HE ELECTS TO USE THE PLAN QUANTITY IN ESTABLISHING HIS BID PRICE. NO CLAIMS WILL BE CONSIDERED FOR EXTRA COMPENSATION IN CASE THE ACREAGE SHOWN IS LESS THAN ACTUAL ACREAGE.

THE TEMPORARY EROSION CONTROL QUANTITIES ARE FOR ESTIMATING PURPOSES ONLY AND TO AID THE CONTRACTOR IN PREPARING HIS/HER EROSION CONTROL PLAN.

GRADING COMPLETE SHALL INCLUDE THE REMOVAL OF ANY INCIDENTAL STRUCTURES ENCOUNTERED DURING CONSTRUCTION WHICH ARE NOT SHOWN ON THE PLANS AS A SEPARATE PAY ITEM. HOWEVER, THIS ITEM AND QUANTITY ARE SHOWN FOR INFORMATION ONLY, NO SEPARATE PAYMENT MADE FOR CLEARING AND GRUBBING. COST TO BE INCLUDED IN THE BID FOR "GRADING COMPLETE."

| *CONSTRUCTION STANDARDS | | |
|-------------------------|--|------|
| GA. STD. | DESCRIPTION | DATE |
| 9032B | CONCRETE CURB & GUTTER | * |
| | | * |
| 9031L | RETAINING WALL TYPICAL SECTIONS (GRAVITY WALL) | * |
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* CONTRACTOR TO OBTAIN LATEST STANDARDS FROM GDOT WEBSITE

| *CONSTRUCTION DETAILS | | |
|-----------------------|--|------|
| LABEL | DESCRIPTION | DATE |
| A-3 | Concrete Sidewalk Details/Curb Cut Wheelchair Ramps | * |
| D-24A | Temporary Silt Fence, Baled Straw Erosion Check, Brush Barrier Details | * |
| D-24B | Typical Location Details for Silt Fences/Baled Straw | * |
| D-41 | Construction Exit | * |
| | | |
| | | |
| EC-L1 | Erosion Control Legend and Uniform Code Sheet (Sheet 1 of 6) | * |
| EC-L2 | Erosion Control Legend and Uniform Code Sheet (Sheet 2 of 6) | * |
| EC-L3 | Erosion Control Legend and Uniform Code Sheet (Sheet 3 of 6) | * |
| EC-L4 | Erosion Control Legend and Uniform Code Sheet (Sheet 4 of 6) | * |
| EC-L5 | Erosion Control Legend and Uniform Code Sheet (Sheet 5 of 6) | * |
| EC-L6 | Erosion Control Legend and Uniform Code Sheet (Sheet 6 of 6) | * |
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* CONTRACTOR TO OBTAIN LATEST DETAILS FROM GDOT WEBSITE

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Moreland Altobelli Associates, Inc.
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Suite 100
Duluth, Georgia 30096-8910
Telephone (770) 263-0945

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| JAD | JAD | 7/10/17 | JAD | JAD | 7/10/17 |
| CHECKED BY | NAME | DATE | CHECKED BY | NAME | DATE |
| EB | EB | 7/10/17 | EB | EB | 7/10/17 |

DEKALB COUNTY
DEPARTMENT OF TRANSPORTATION
DEKALB COUNTY, GA

S.R. 236 / HUGH HOWELL ROAD
SIDEWALK IMPROVEMENTS CONSTRUCTION PLANS
GENERAL NOTES

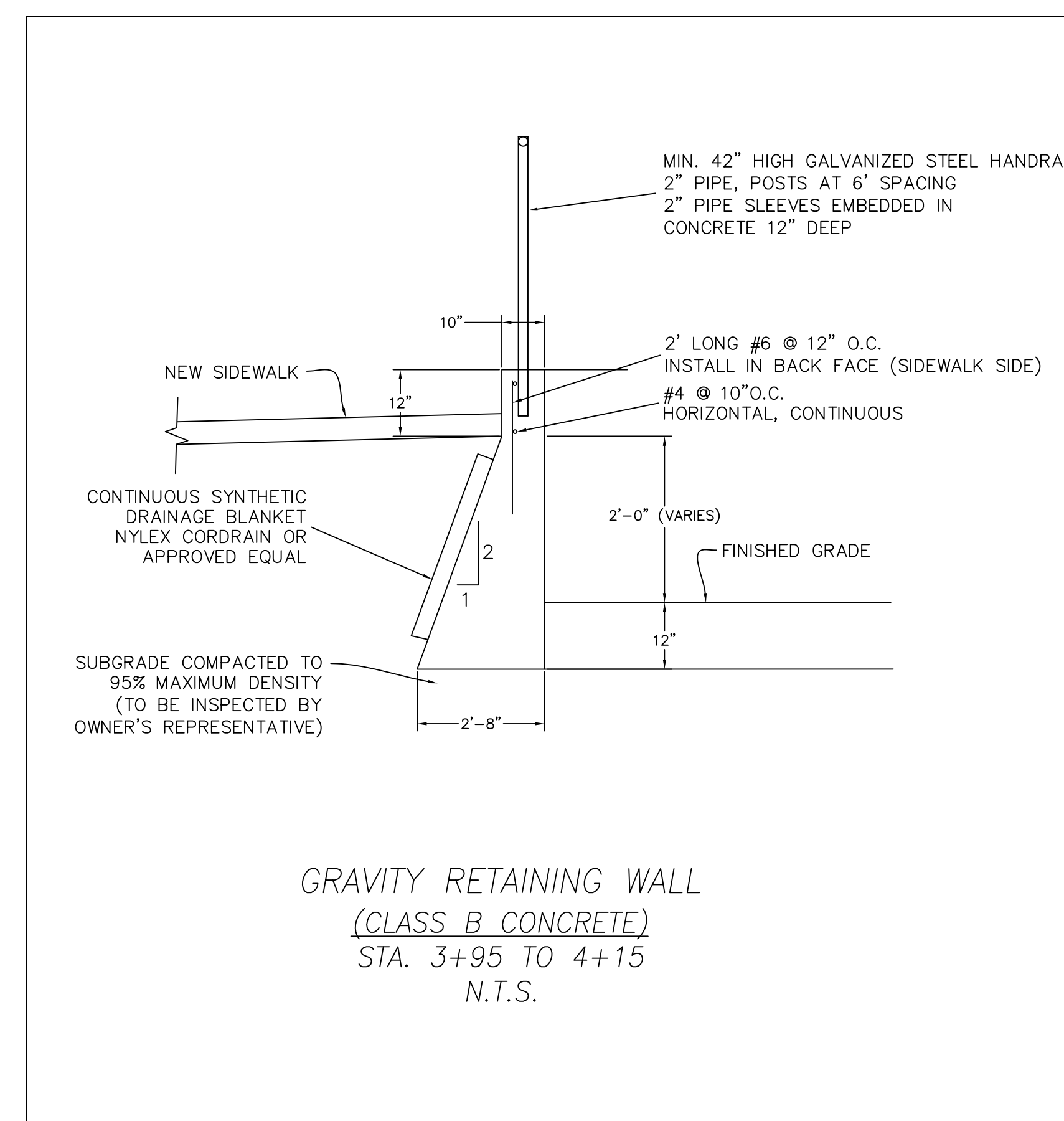
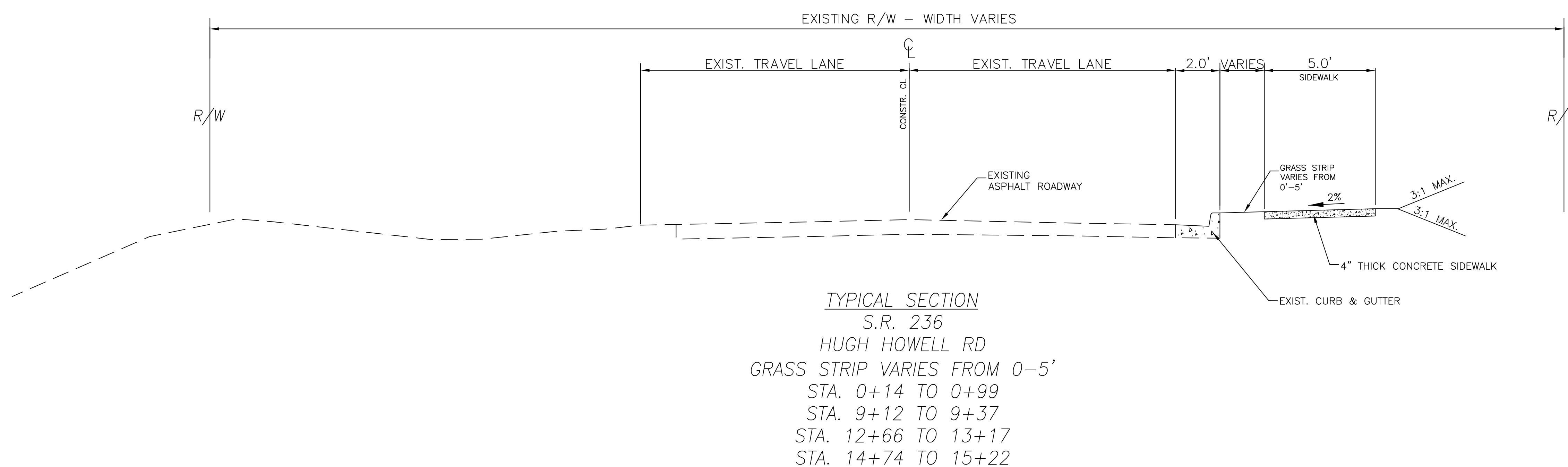
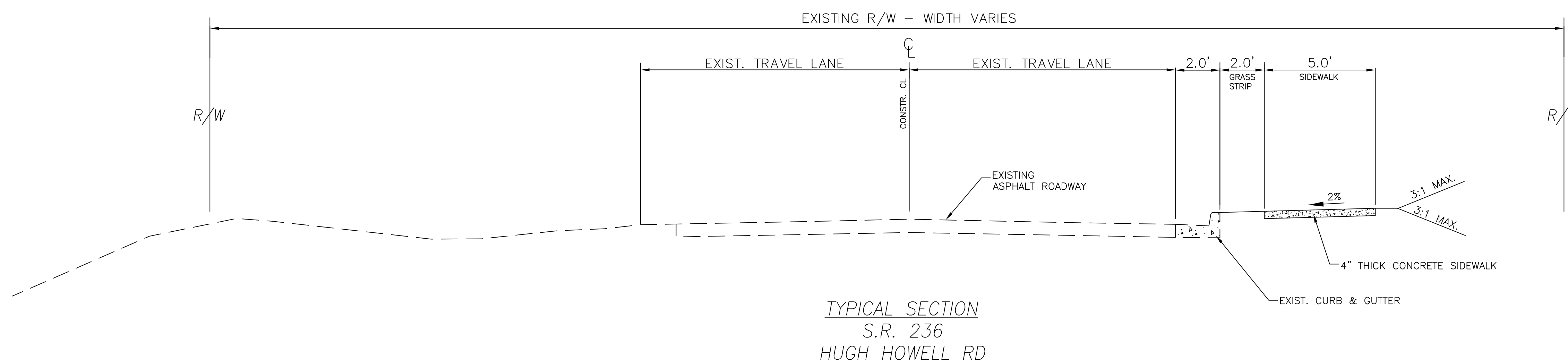
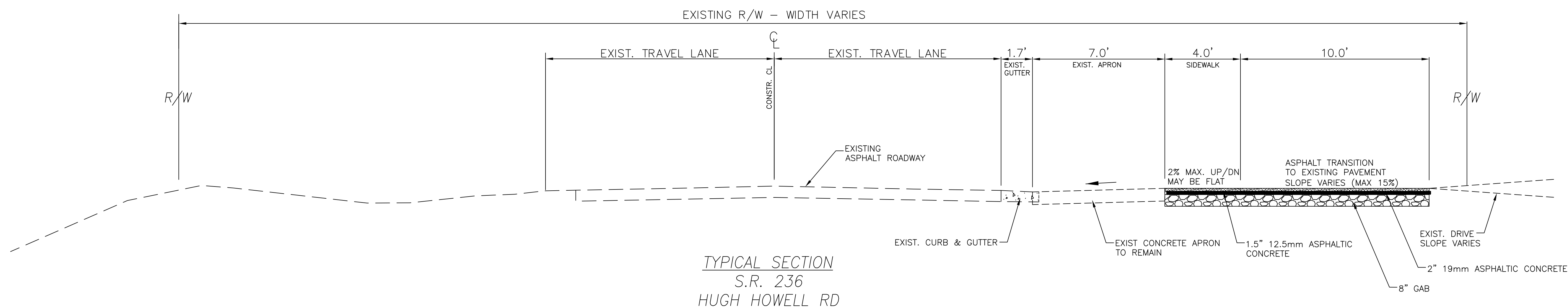
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Know what's below.
Call before you dig.



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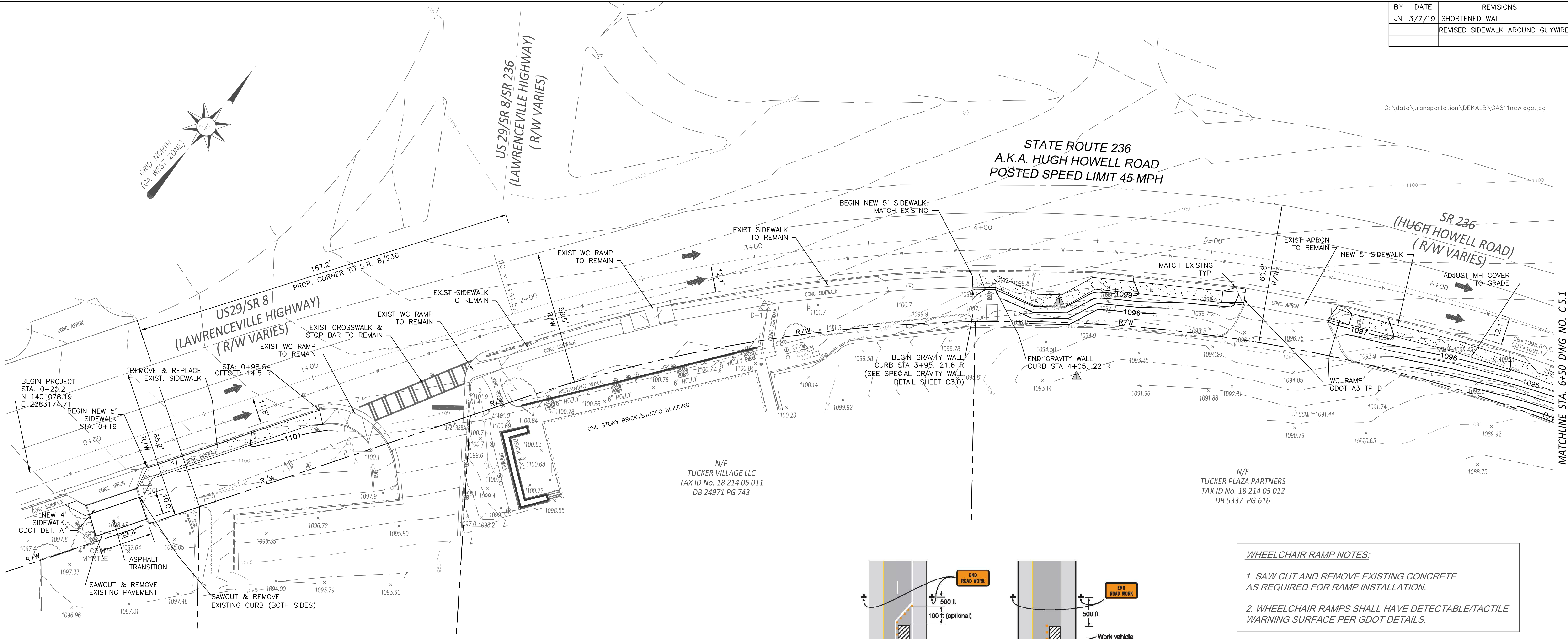
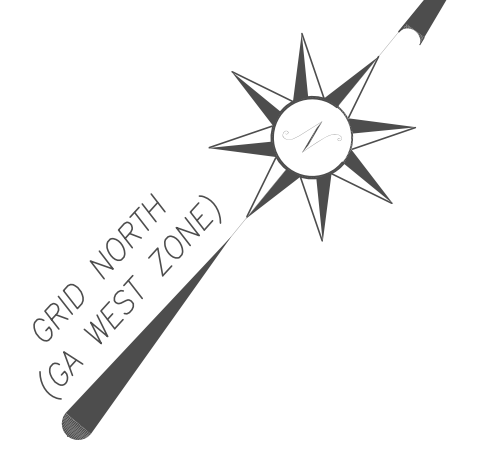
DEKALB COUNTY
DEPARTMENT OF TRANSPORTATION
DEKALB COUNTY, GA

S.R. 236 / HUGH HOWELL ROAD
SIDEWALK IMPROVEMENTS CONSTRUCTION PLANS
TYPICAL SECTIONS

DRAWING NUMBER
C3.0

| BY | DATE | REVISIONS |
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| JN | 3/7/19 | SHORTENED WALL |
| | | REVISED SIDEWALK AROUND GUYWIRE |

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WHEELCHAIR RAMP NOTES:

1. SAW CUT AND REMOVE EXISTING CONCRETE AS REQUIRED FOR RAMP INSTALLATION.
2. WHEELCHAIR RAMPS SHALL HAVE DETECTABLE/TACTILE WARNING SURFACE PER GDOT DETAILS.

24-HOUR CONTACT
Patrece G. Keeter
770.492.5281

ENGINEER
Eric Brown, PE
 Moreland Altobelli Associates Inc.
 327 Dahlonega Street
 Suite 1401
 Cumming, Georgia 30041
 Telephone: (770) 781-5507
 Email: ebrown@maai.net

PROJECT INFORMATION

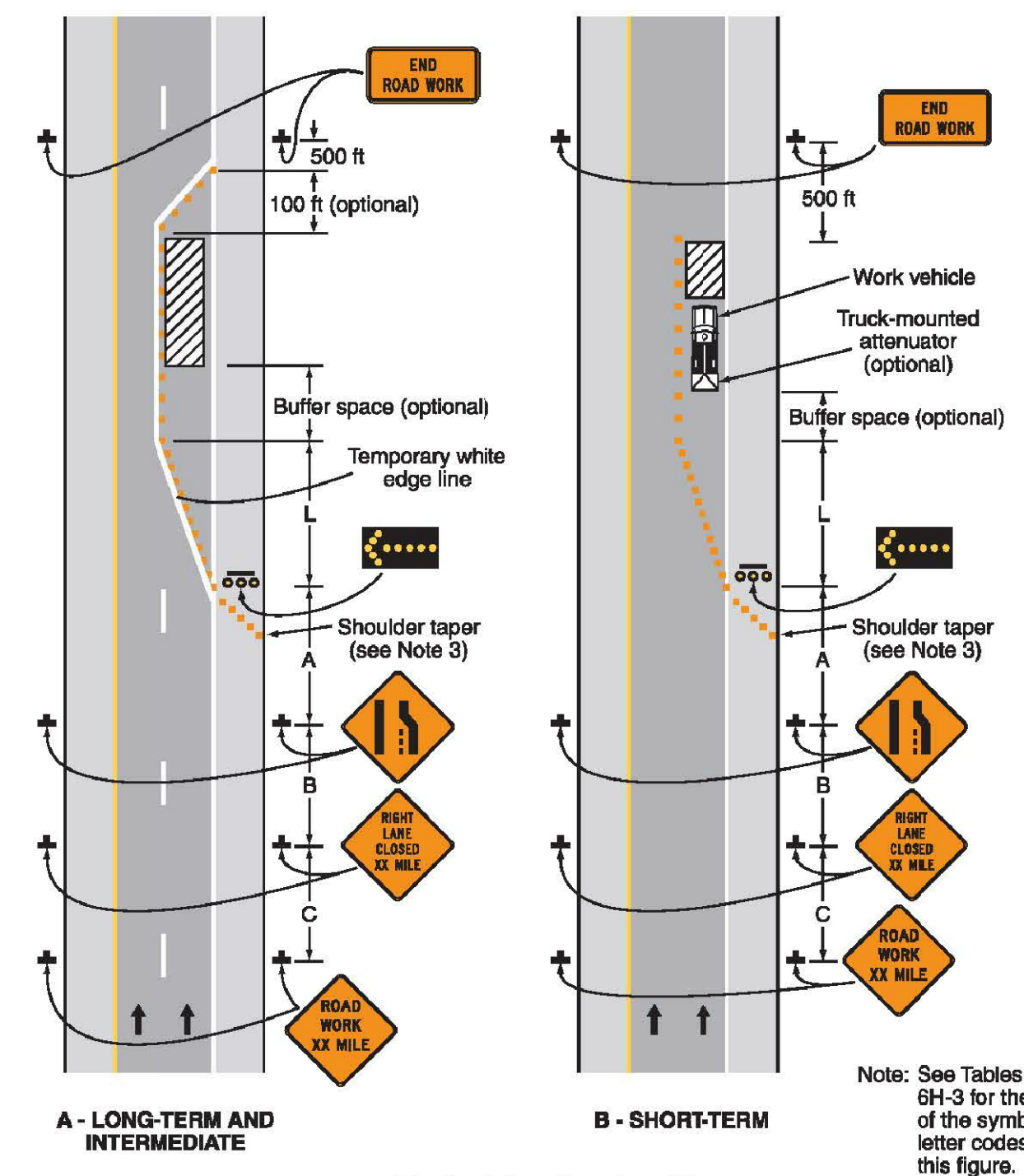
PERMITTEE: DEKALB CO. DEPARTMENT OF TRANSPORTATION

SITE LOCATION:
 SOUTH SIDE OF STATE ROUTE 236 (HUGH HOWELL RD) FROM THE INTERSECTION OF HUGH HOWELL RD & LAWRENCEVILLE HWY TO THE INTERSECTION AT TUCKER INDUSTRIAL RD.

PROPOSED IMPROVEMENTS: INSTALLATION OF APPROXIMATELY 1,500 LF OF 5' CONC SIDEWALK TO EXISTING FRONTAGES WITH WHEELCHAIR RAMPS AND STRIPING WHERE NECESSARY.

POSTED SPEED LIMIT SPEED LIMIT: 45 MPH
 CLEAR ZONE: 20'

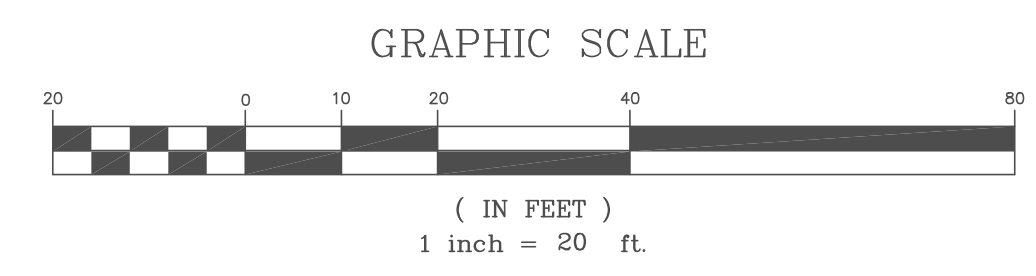
TOTAL LENGTH OF FRONTAGE (RIGHT-OF-WAY) = 2,635 LF



LANE CLOSURE DISTANCES
45 MPH URBAN ROADWAY

| |
|--------|
| A=350' |
| B=350' |
| C=350' |
| L=540' |

LANE CLOSURE TRAFFIC CONTROL PLANS



GEORGIA D.O.T. NOTES

THE WORK AUTHORIZED MUST BEGIN WITHIN THREE MONTHS AND BE COMPLETED WITHIN TWELVE MONTHS ON A SCHEDULE SATISFACTORY TO THE DEPARTMENT FROM THE PERMIT APPROVAL DATE AND ALSO, BE COMPLETED BEFORE THIS FACILITY IS OPEN TO THE PUBLIC.

THE FOLLOWING WILL NOT BE ALLOWED ON DOT RIGHT-OF-WAY: (1) DIVERSION OF ADDITIONAL DRAINAGE AREA ONTO THE RIGHT-OF-WAY, OR INCREASE IN THE CFS OF CURRENT VOLUMES OF WATER (2) GRADING EXCEPT AT DRIVEWAY CONSTRUCTION LOCATION. (3) HEADWALLS, (4) SIGNS, DISPLAY DEVICES, AND OTHER STRUCTURES WHICH ARE DESIGNED, INTENDED, OR USED TO ADVERTISE OR INFORM. (5) LANDSCAPING WITHOUT PRIOR APPROVAL OF THE LANDSCAPE PLAN.

ALL EXISTING UTILITIES WHICH WOULD BE UNDER NEW PAVEMENT OR IN ACCELERATION/DECELERATION LANES SHALL BE RELOCATED BEFORE FINAL GRADING OR PAVING AND AT NO COST TO THE DOT, OR AN APPROVED RETENTION LETTER FROM THE UTILITY OWNER.

CONSTRUCTION OF EROSION CONTROL BARRIERS PER GEORGIA DEPARTMENT OF NATURAL RESOURCES CODE 391-3-7 AND SHALL BE MAINTAINED UNTIL PERMANENT VEGETATION IS ESTABLISHED.

APPLICANT SHALL RESTORE ALL EXISTING SIGNS AND REGRESS TO DOT SPECIFICATIONS ALL RIGHT OF WAY THAT IS DISTURBED DURING WORK AUTHORIZED HEREIN.

THE PERMIT APPLICANT IS RESPONSIBLE FOR REPLACEMENT OF ALL EXISTING PAVEMENT MARKINGS DAMAGED BY THE PERMIT CONSTRUCTION AND THE ADDITION OF NEW PAVEMENT MARKINGS AND OR SIGNS AS SHOWN ON THE APPROVED PLAN, OR CURRENT M.U.T.C.D. GUIDELINES.

ALL CURBED ISLANDS SHALL BE FILLED TO THE TOP OF CURB WITH TOP SOIL AND GRASSED. NOTE: THIS APPROVAL DOES NOT ALLOW ANY WORK ON STATE RIGHT-OF-WAY IN CONNECTION WITH UTILITY LINES (SANITARY SEWER, WATER, TELEPHONE, GAS, ETC.)

REQUIRED PAVEMENT SPECIFICATIONS

| |
|------------------------------------|
| 1 1/4" — 3.5 mm SUPERPAVE |
| 2" — 19 mm SUPERPAVE |
| 8" — 25mm SUPERPAVE |
| 12" — GRADED AGGREGATE BASE COURSE |

NOTICE

THIS PERMIT IS APPROVED SUBJECT TO THE REVISIONS AND COMMENTS SHOWN IN RED ON THE ATTACHED PLAN COPY AND SHALL REMAIN DEPENDENT UPON COMPLIANCE WITH THESE.

NO WORK WILL BE ACCOMPLISHED UNDER THIS PERMIT WITHIN THE CONSTRUCTION LIMITS OF ANY DOT PROJECT WITHOUT WRITTEN APPROVAL OF THE PRIME CONTRACTOR.

THE MAINTENANCE OF THE DRIVEWAY FROM THE NORMAL EDGE OF PAVEMENT IS THE RESPONSIBILITY OF THE PERMITEE.

OVERLAY SHALL BE AS DIRECTED BY GDOT PERMIT INSPECTOR.

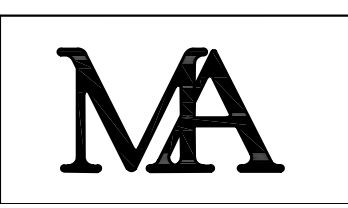
ALL SIDEWALKS, CROSSWALKS AND RAMPS SHALL MEET ADA STANDARDS GDOT DETAILS.

THE APPLICANT IS RESPONSIBLE TO OBTAIN ALL NECESSARY ENVIRONMENTAL APPROVALS PRIOR TO ANY WORK ON STATE RW.

N/F
 FCPT HOSPITALITY PROPERTIES LLC
 TAX ID No. 18 214 05 023
 DB 25257 PG 636

N/F
 TUCKER PLAZA PARTNERS
 TAX ID No. 18 214 05 012
 DB 5337 PG 616

| REVISIONS | | | REVISIONS | | |
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 2450 Commerce Ave.
 Suite 100
 Duluth, Georgia 30096-8910
 Telephone (770) 263-5945

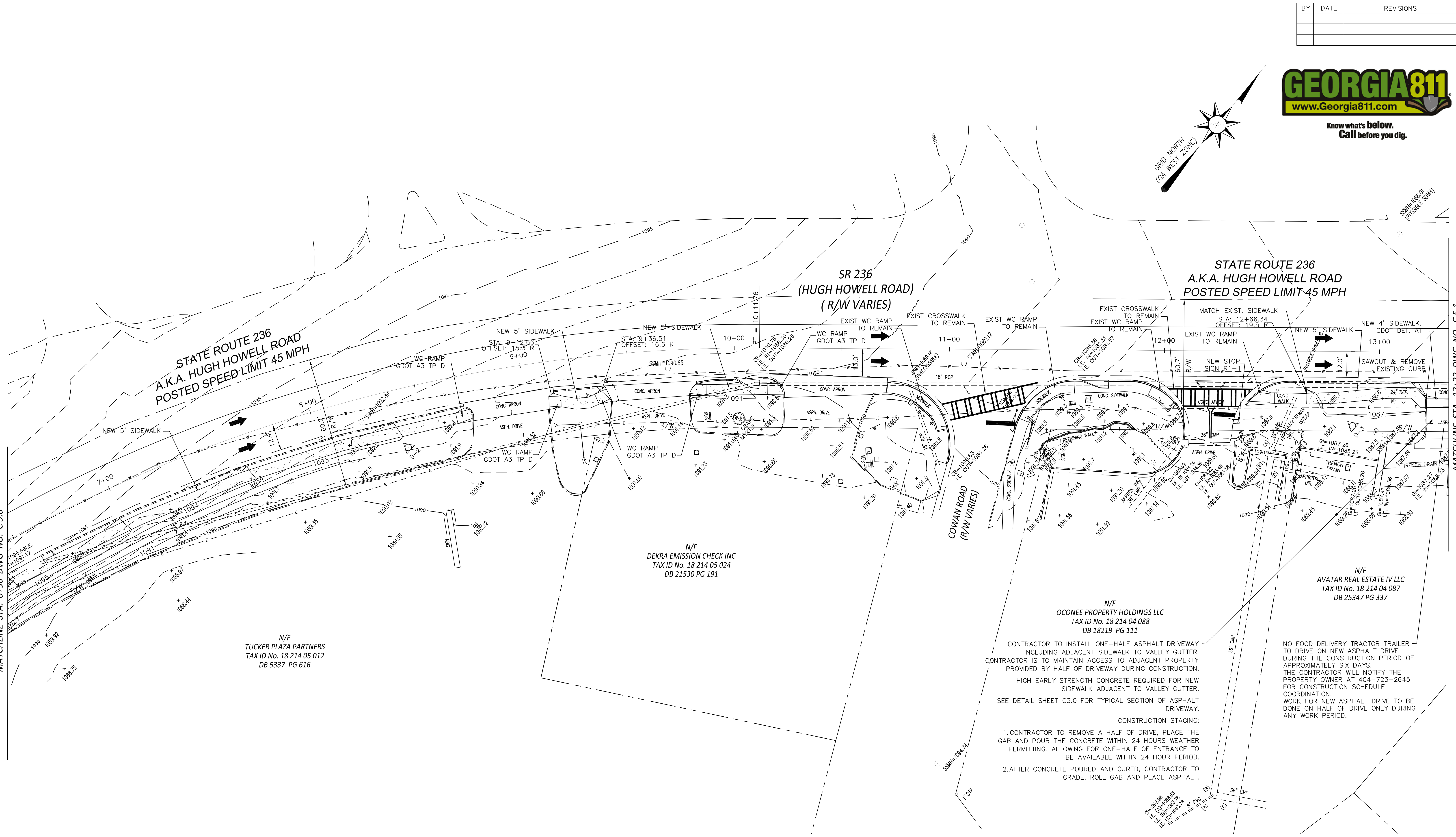
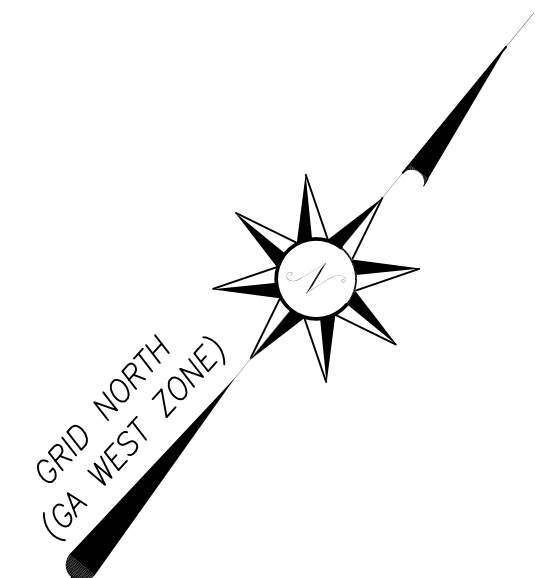
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DEKALB COUNTY
DEPARTMENT OF TRANSPORTATION
DEKALB COUNTY, GA

S.R. 236 / HUGH HOWELL ROAD
SIDEWALK IMPROVEMENTS CONSTRUCTION PLANS
LAYOUT & GRADING - GDOT ENCROACHMENT PLAN

DRAWING NUMBER
C5.0

| BY | DATE | REVISIONS |
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| | | |



STATE ROUTE 236
A.K.A. HUGH HOWELL ROAD
POSTED SPEED LIMIT 45 MPH

SR 236
(HUGH HOWELL ROAD)
(R/W VARIES)

STATE ROUTE 236
A.K.A. HUGH HOWELL ROAD
POSTED SPEED LIMIT 45 MPH

N/F
TUCKER PLAZA PARTNERS
TAX ID No. 18 214 05 012
DB 5337 PG 616

N/F
DEKRA EMISSION CHECK INC
TAX ID No. 18 214 05 024
DB 21530 PG 191

N/F
OCONEE PROPERTY HOLDINGS LLC
TAX ID No. 18 214 04 088
DB 18219 PG 111

N/F
AVATAR REAL ESTATE IV LLC
TAX ID No. 18 214 04 087
DB 25347 PG 337

CONTRACTOR TO INSTALL ONE-HALF ASPHALT DRIVEWAY INCLUDING ADJACENT SIDEWALK TO VALLEY GUTTER. CONTRACTOR IS TO MAINTAIN ACCESS TO ADJACENT PROPERTY PROVIDED BY HALF OF DRIVEWAY DURING CONSTRUCTION. HIGH EARLY STRENGTH CONCRETE REQUIRED FOR NEW SIDEWALK ADJACENT TO VALLEY GUTTER. SEE DETAIL SHEET C3.0 FOR TYPICAL SECTION OF ASPHALT DRIVEWAY.

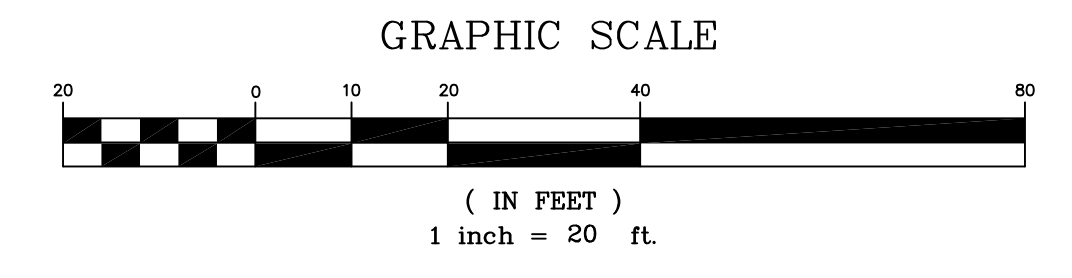
CONSTRUCTION STAGING:
1. CONTRACTOR TO REMOVE A HALF OF DRIVE, PLACE THE GAB AND POUR THE CONCRETE WITHIN 24 HOURS WEATHER PERMITTING. ALLOWING FOR ONE-HALF OF ENTRANCE TO BE AVAILABLE WITHIN 24 HOUR PERIOD.
2. AFTER CONCRETE POURED AND CURED, CONTRACTOR TO GRADE, ROLL GAB AND PLACE ASPHALT.

NO FOOD DELIVERY TRACTOR TRAILER TO DRIVE ON NEW ASPHALT DRIVE DURING THE CONSTRUCTION PERIOD OF APPROXIMATELY SIX DAYS. THE CONTRACTOR WILL NOTIFY THE PROPERTY OWNER AT 404-723-2645 FOR CONSTRUCTION SCHEDULE COORDINATION. WORK FOR NEW ASPHALT DRIVE TO BE DONE ON HALF OF DRIVE ONLY DURING ANY WORK PERIOD.

WHEELCHAIR RAMP NOTES:

1. SAW CUT AND REMOVE EXISTING CONCRETE AS REQUIRED FOR RAMP INSTALLATION.
2. WHEELCHAIR RAMPS SHALL HAVE DETECTABLE/TACTILE WARNING SURFACE PER GDOT DETAILS.

TOTAL LENGTH OF FRONTAGE (RIGHT-OF-WAY) = 2,635 LF



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| EB | EB | 7/10/17 | EB | EB | 7/10/17 |

DEKALB COUNTY
DEPARTMENT OF TRANSPORTATION
DEKALB COUNTY, GA

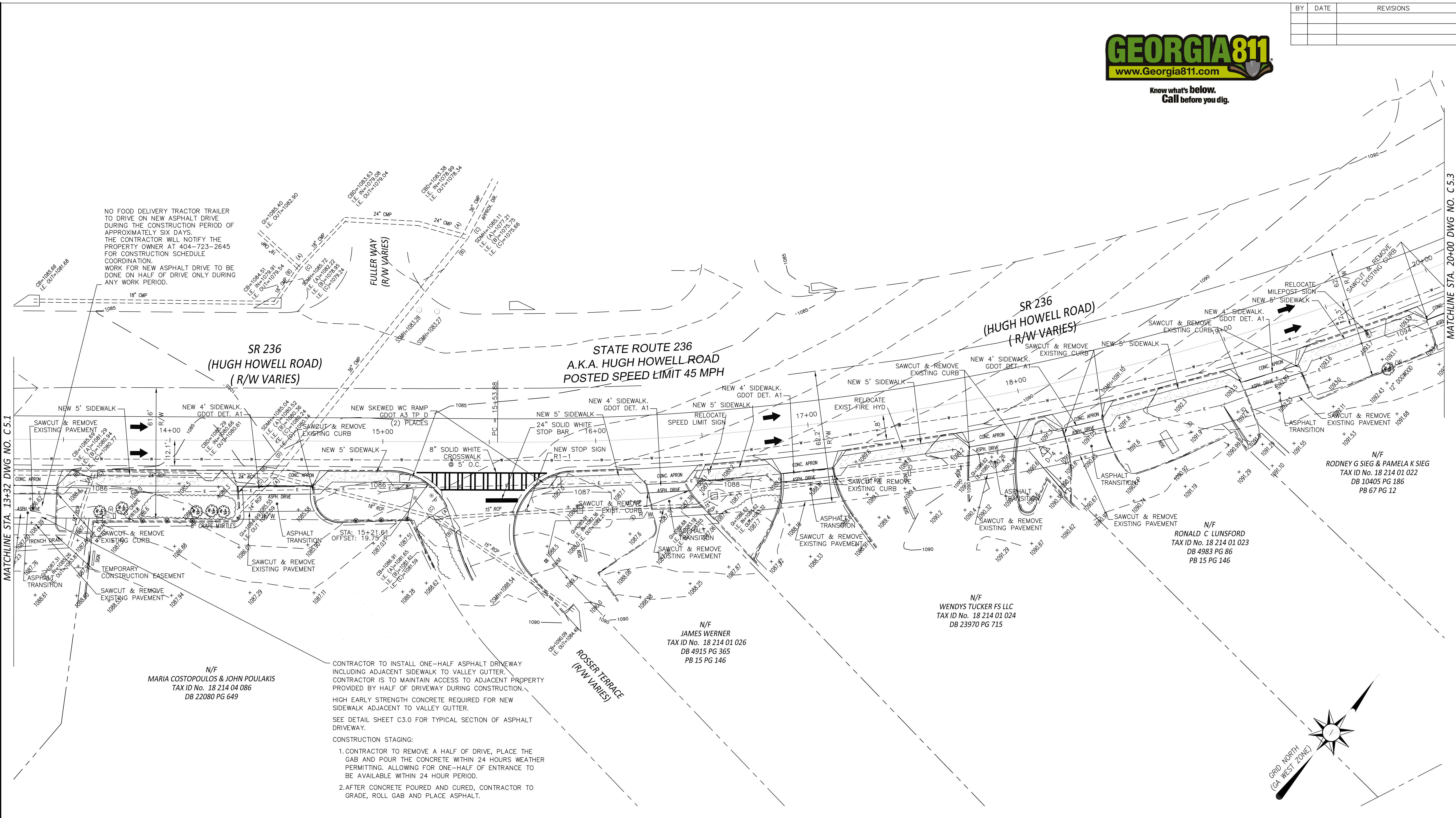
S.R. 236 / HUGH HOWELL ROAD
SIDEWALK IMPROVEMENTS CONSTRUCTION PLANS
LAYOUT & GRADING - GDOT ENCROACHMENT PLAN

DRAWING NUMBER
C5.1

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Know what's below.
Call before you dig.



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SR 236
(HUGH HOWELL ROAD)
(R/W VARIES)

STATE ROUTE 236
A.K.A. HUGH HOWELL ROAD
POSTED SPEED LIMIT 45 MPH

SR 236
(HUGH HOWELL ROAD)
(R/W VARIES)

MATCHLINE STA. 13+32 DWG NO. C 5.1

MATCHLINE STA. 20+00 DWG NO. C 5.3

N/F
MARIA COSTOPOULOS & JOHN POULAKIS
TAX ID No. 18 214 04 086
DB 22080 PG 649

CONTRACTOR TO INSTALL ONE-HALF ASPHALT DRIVEWAY INCLUDING ADJACENT SIDEWALK TO VALLEY GUTTER. CONTRACTOR IS TO MAINTAIN ACCESS TO ADJACENT PROPERTY PROVIDED BY HALF OF DRIVEWAY DURING CONSTRUCTION. HIGH EARLY STRENGTH CONCRETE REQUIRED FOR NEW SIDEWALK ADJACENT TO VALLEY GUTTER. SEE DETAIL SHEET C3.0 FOR TYPICAL SECTION OF ASPHALT DRIVEWAY.

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 - AFTER CONCRETE POURED AND CURED, CONTRACTOR TO GRADE, ROLL GAB AND PLACE ASPHALT.

N/F
JAMES WERNER
TAX ID No. 18 214 01 026
DB 4915 PG 365
PB 15 PG 146

N/F
WENDYS TUCKER FS LLC
TAX ID No. 18 214 01 024
DB 23970 PG 715

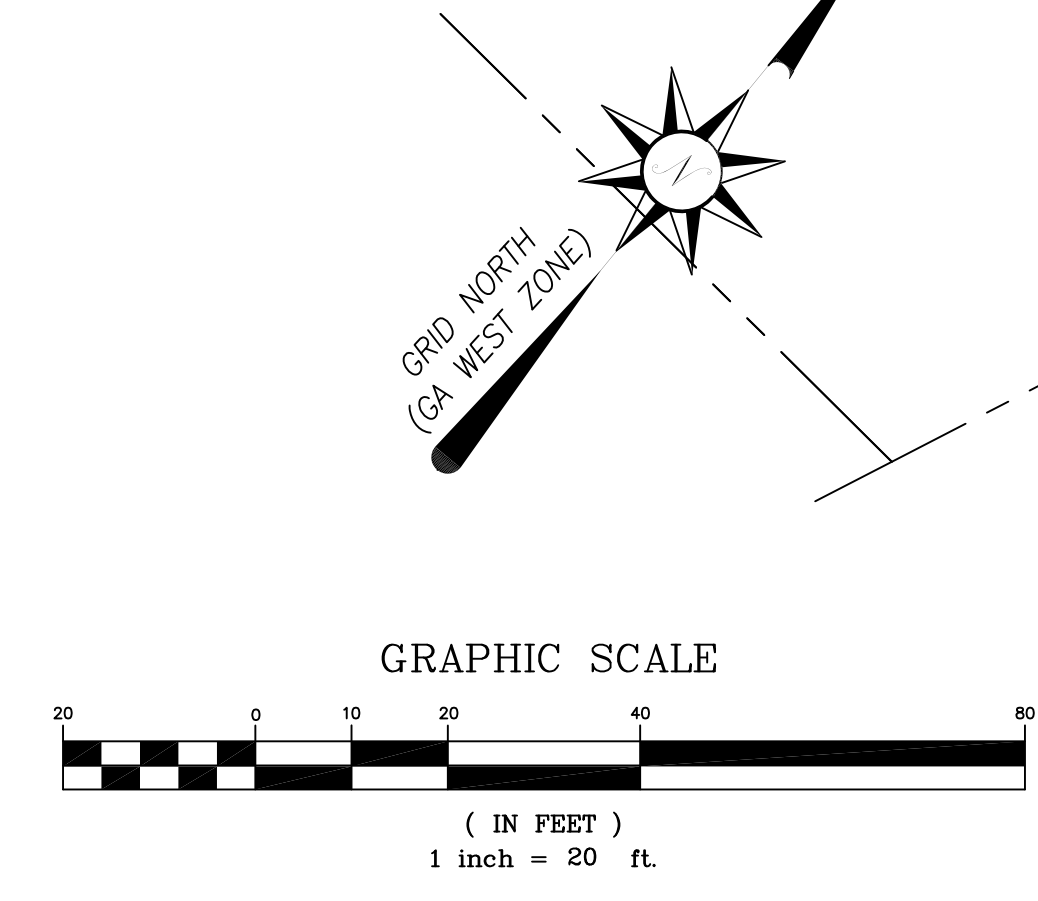
N/F
RONALD C LUNSFORD
TAX ID No. 18 214 01 023
DB 4983 PG 86
PB 15 PG 146

N/F
RODNEY G SIEG & PAMELA K SIEG
TAX ID No. 18 214 01 022
DB 10405 PG 186
PB 67 PG 12

TOTAL LENGTH OF FRONTAGE (RIGHT-OF-WAY) = 2,635 LF

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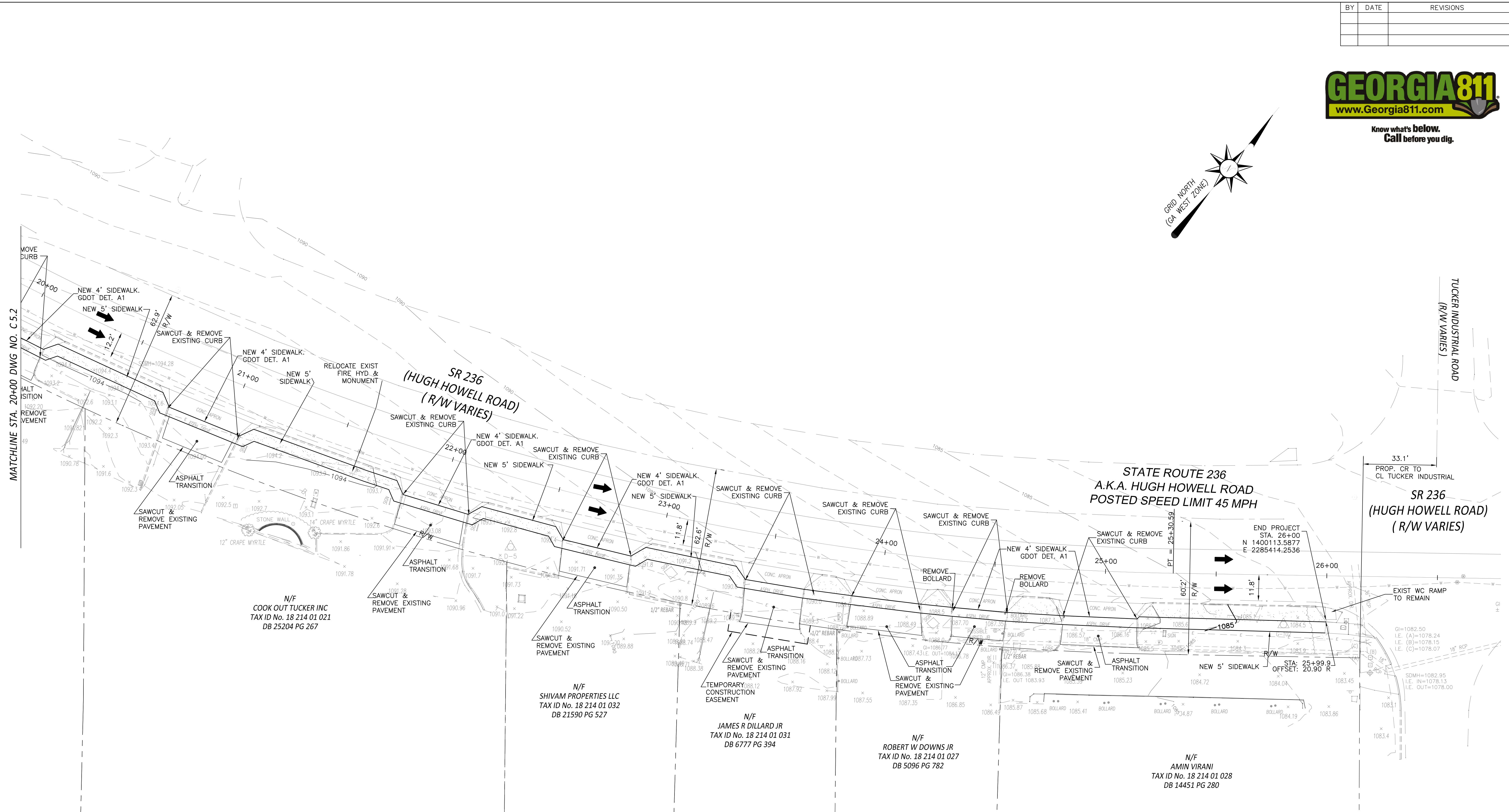
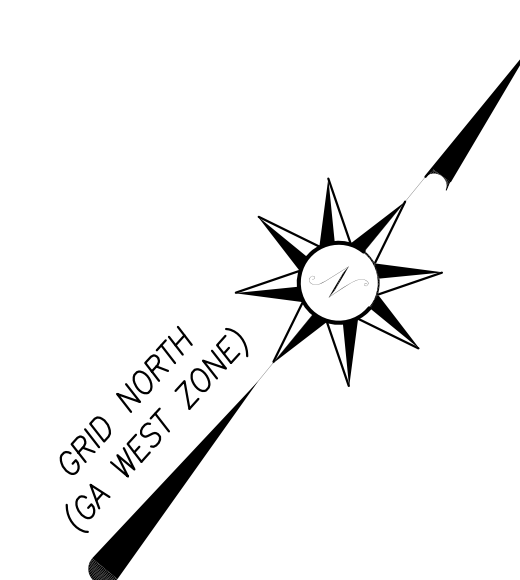
S.R. 236 / HUGH HOWELL ROAD
SIDEWALK IMPROVEMENTS CONSTRUCTION PLANS
LAYOUT & GRADING - GDOT ENCROACHMENT PLAN

DRAWING NUMBER
C5.2

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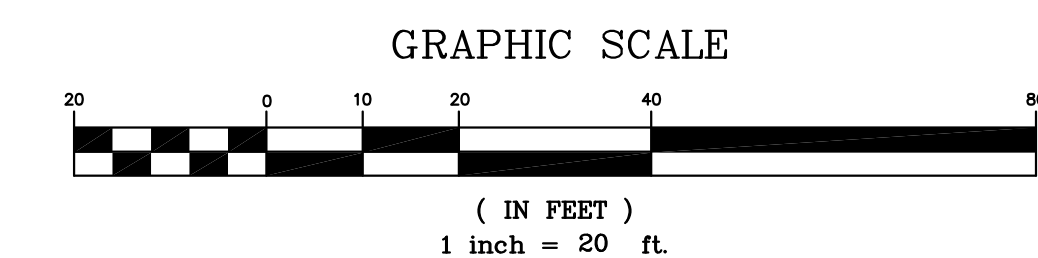
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DEKALB COUNTY
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DEKALB COUNTY, GA

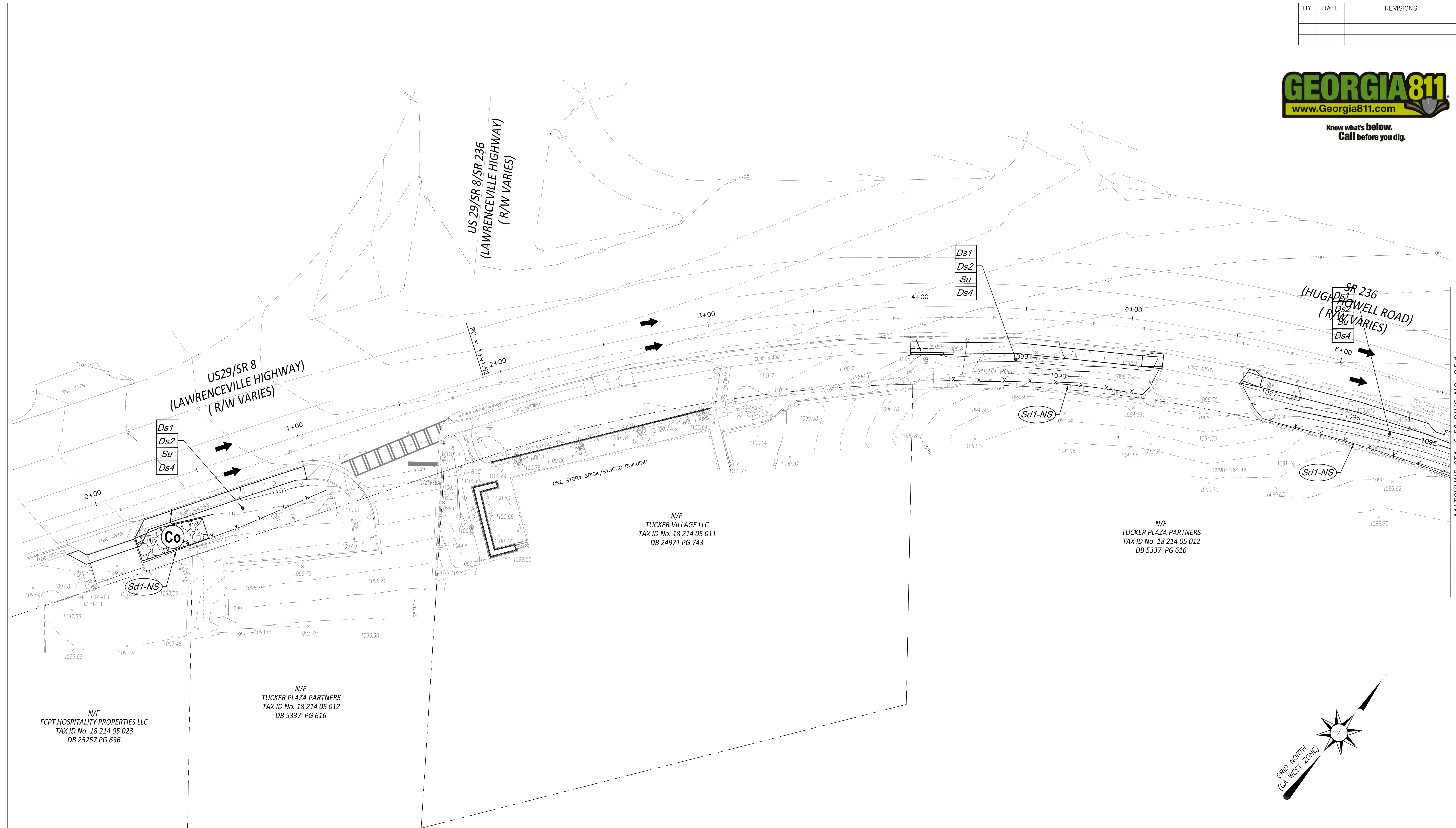
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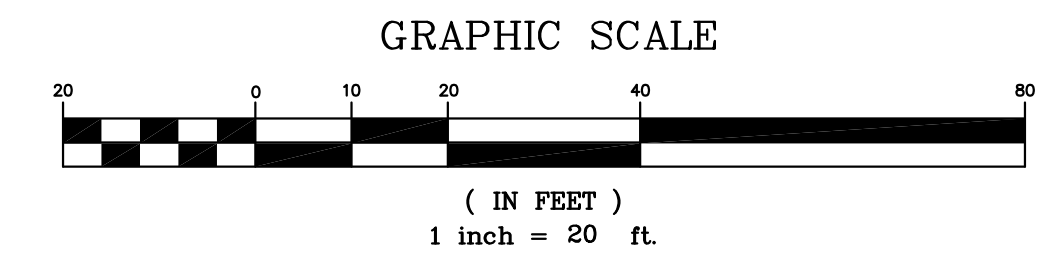
N/F
TUCKER VILLAGE LLC
TAX ID No. 18 214 05 011
DB 24971 PG 743

N/F
TUCKER PLAZA PARTNERS
TAX ID No. 18 214 05 012
DB 5337 PG 616

N/F
FCPT HOSPITALITY PROPERTIES LLC
TAX ID No. 18 214 05 023
DB 25257 PG 636

N/F
TUCKER PLAZA PARTNERS
TAX ID No. 18 214 05 012
DB 5337 PG 616

NOTE:
WHEELCHAIR RAMPS SHALL HAVE DETECTABLE/TACTILE
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DEKALB COUNTY, GA

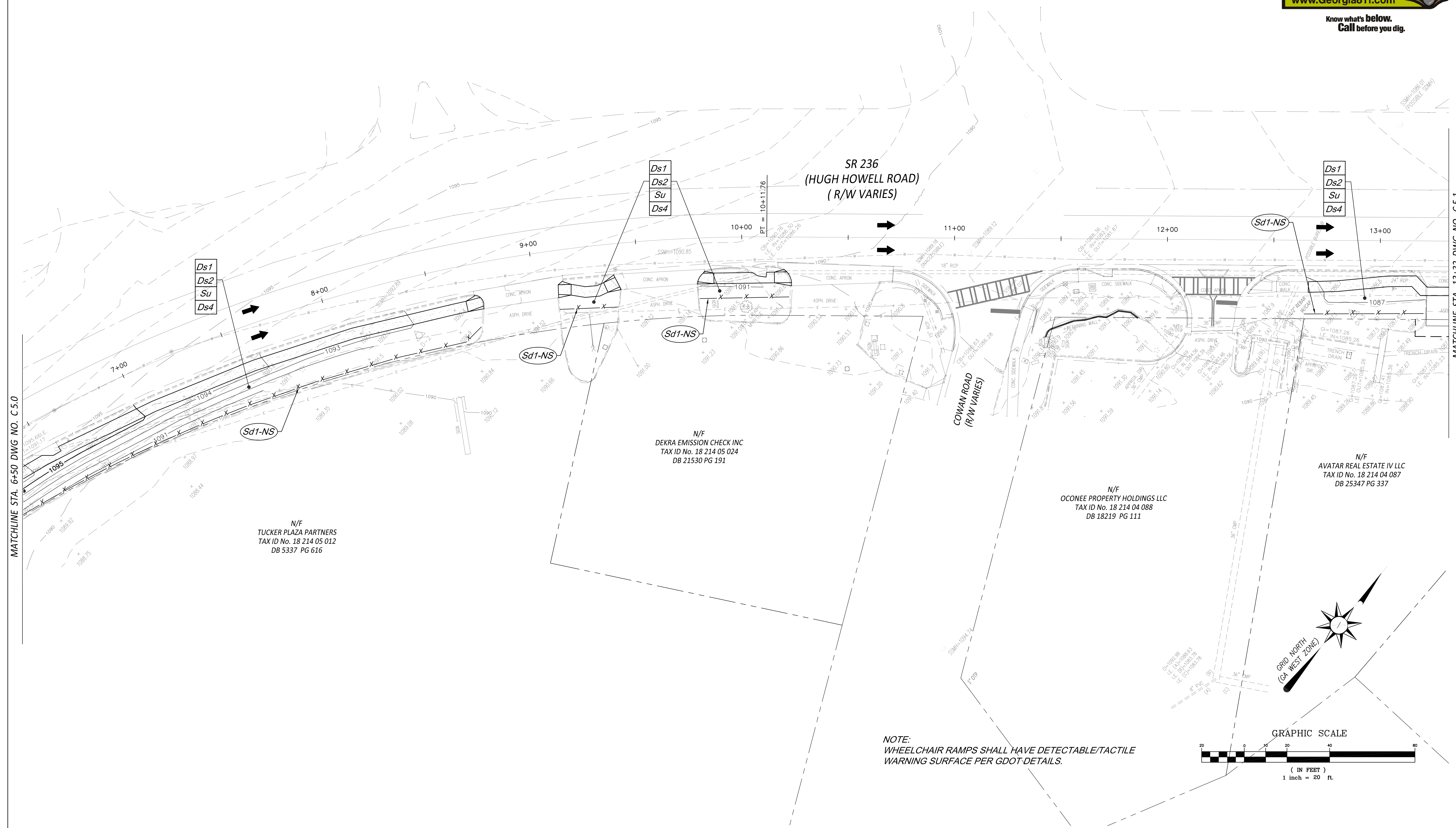
S.R. 236 / HUGH HOWELL ROAD
SIDEWALK IMPROVEMENTS CONSTRUCTION PLANS
EROSION & SEDIMENT CONTROL PLAN

DRAWING NUMBER
C6.0

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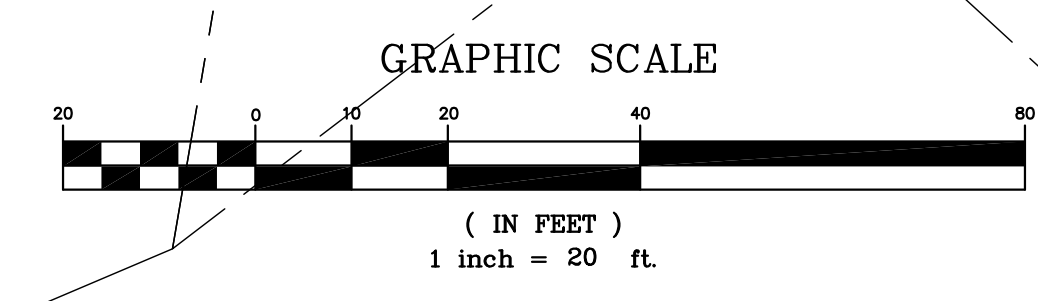
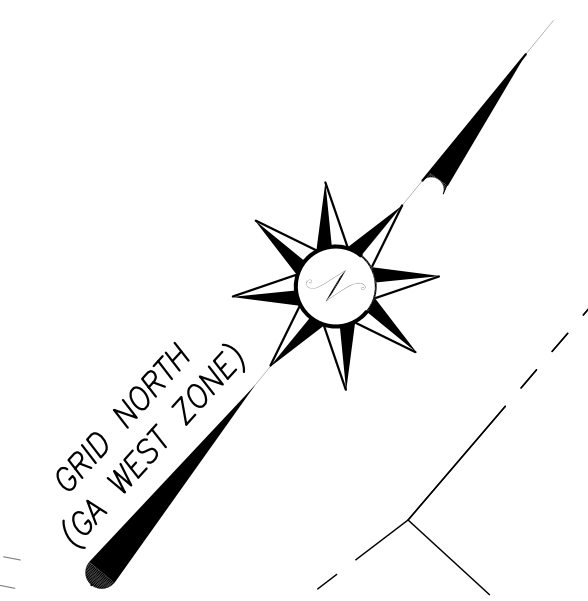


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MATCHLINE STA. 6+50 DWG NO. C 5.0

MATCHLINE STA. 13+32 DWG NO. C 5.1



NOTE:
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DEKALB COUNTY
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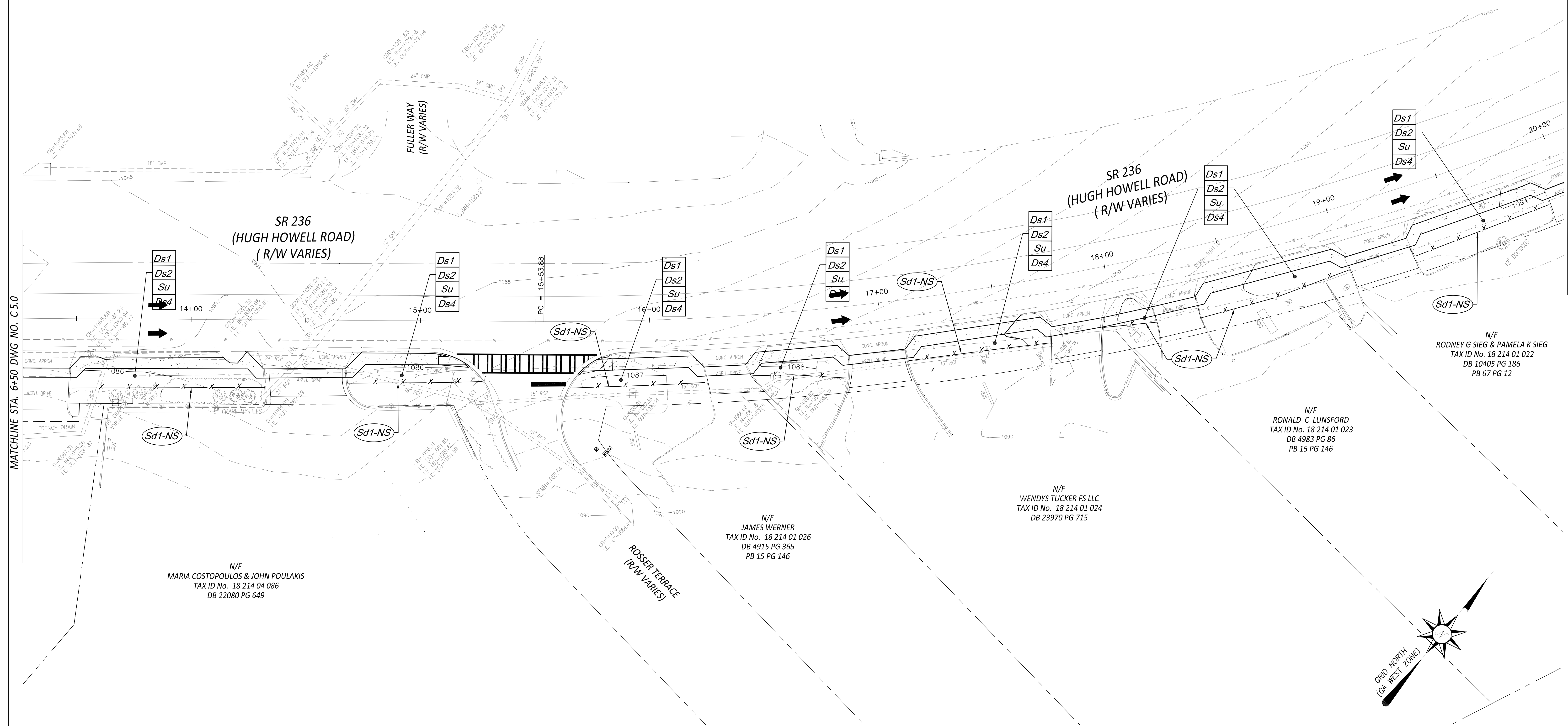
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MATCHLINE STA. 6+50 DWG NO. C 5.0

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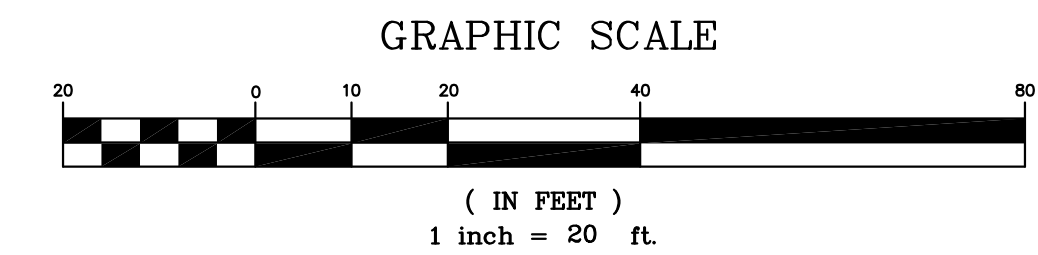
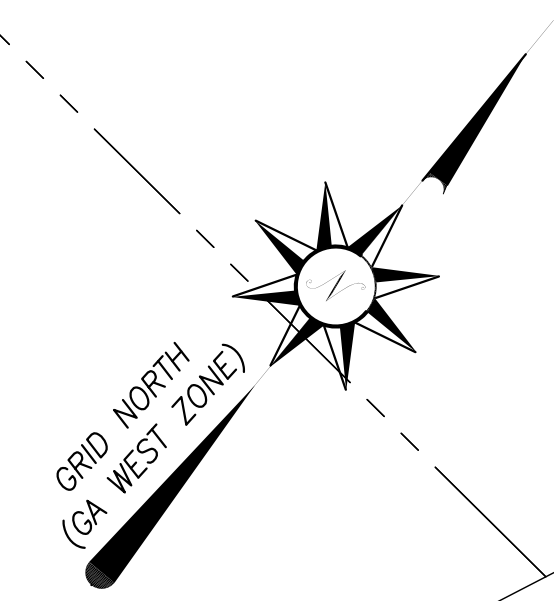
N/F
RODNEY G SIEG & PAMELA K SIEG
TAX ID No. 18 214 01 022
DB 10405 PG 186
PB 67 PG 12

N/F
RONALD C LUNSFORD
TAX ID No. 18 214 01 023
DB 4983 PG 86
PB 15 PG 146

N/F
WENDYS TUCKER FS LLC
TAX ID No. 18 214 01 024
DB 23970 PG 715

N/F
JAMES WERNER
TAX ID No. 18 214 01 026
DB 4915 PG 365
PB 15 PG 146

N/F
MARIA COSTOPOULOS & JOHN POULAKIS
TAX ID No. 18 214 04 086
DB 22080 PG 649



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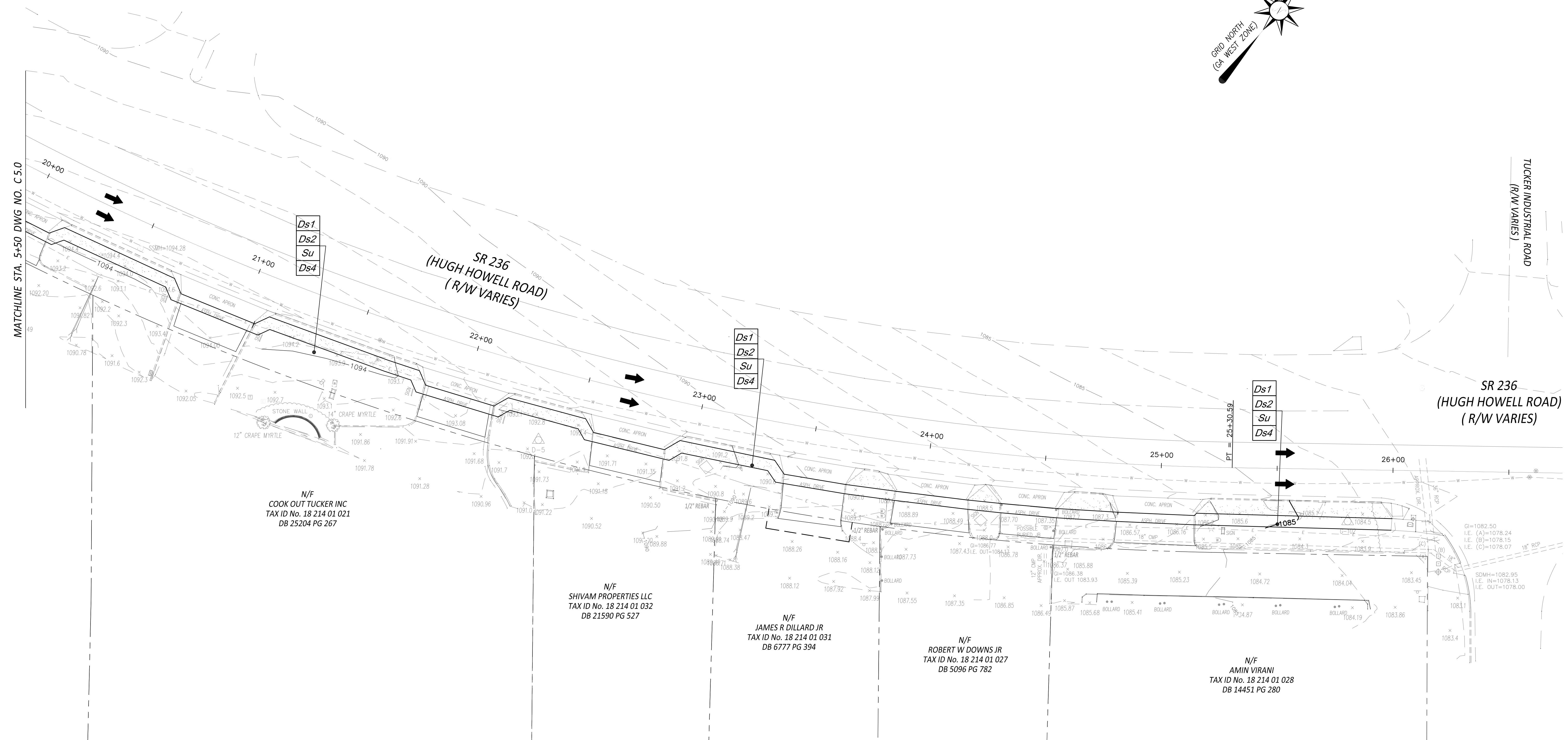
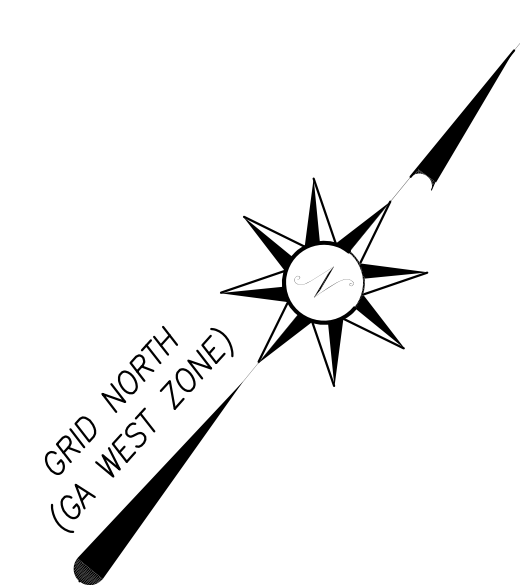
S.R. 236 / HUGH HOWELL ROAD
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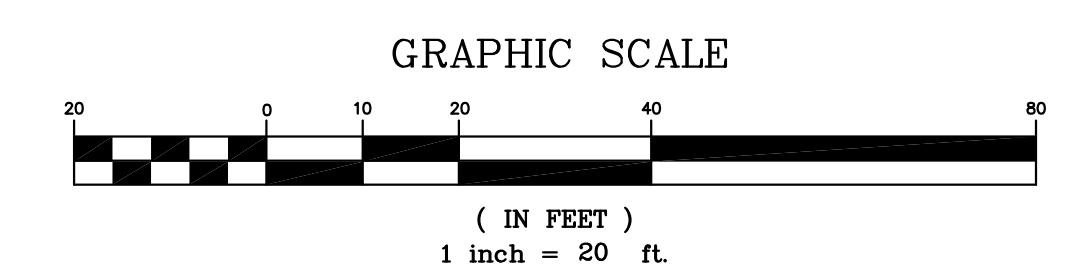
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DEKALB COUNTY
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S.R. 236 / HUGH HOWELL ROAD
SIDEWALK IMPROVEMENTS CONSTRUCTION PLANS
EROSION & SEDIMENT CONTROL PLAN

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I. General:
Pre-Construction Planning:

The intent of this plan is to prevent or control erosion, siltation, and pollution off site. The items indicated are Engineers' best estimate of requirements; more or less may be needed depending on the site conditions, seasons, etc. Contractor shall install additional measures as necessary to comply with this intent.

- A. Erosion, Sedimentation, & Pollution Control Narrative with all Erosion Control Plans shall be kept on-site. All erosion control measures shall be in accordance with the most current edition of the "Manual for Erosion and Sediment Control in Georgia".
- B. Existing topography and proposed topography are shown on the Erosion Control Plan.
- C. Sediment and erosion control measures shall be constructed prior to any land disturbing activity taking place.
- D. Planned Phases of Construction.
 1. Clearing
 2. Storm Drainage and Utility Installation
 3. Finish Grading, Pavement, and Landscaping
- E. Erosion Control Measures to be Implemented
 1. DISTURBED AREA STABILIZATION (WITH TEMP & VEGETATION) (Ds1 & Ds4)
 2. SEDIMENT BARRIER (Sd1)
 3. STORM DRAIN OUTLET PROTECTION (St)
 4. STRAW MAT SLOPE STABILIZATION (Mb)

II. Implementation

A. Planned Construction Phasing and Required Specific Sediment and Erosion Control Measures.

Phase 1 Clearing: Removing trees, debris and excavation of existing storm system will be the first operation on the site. To accomplish this work equipment and trucks will be on site. Working in and around ditches, creeks and waterways may be required. The following will apply during this phase.

- a. Construction of a "stone" construction entrance shall be installed as required by the erosion control plan to prevent or control silt from being deposited on roadways.
- b. Silt fences shall be installed on all sides of the site where run-off from the area will leave the site or enter a stream or ditch.
- c. All debris will be kept away from ditches and streams so run-off accumulating in the ditches and streams will not carry debris downstream.
- d. All ditches and waterways will be protected to the maximum extent possible.
- e. Swales shall be constructed where shown to divert run-off away from the work area or stream and into silt traps, basins, or other silt removal features.
- f. Silt traps and sediment basins shall be installed where shown on the plans in accordance with details shown to catch run-off and filter it prior to discharge from the site.
- g. Existing storm sewers and storm structures shall be removed where shown on the plans. Additionally silt fencing shall be installed as necessary to prevent or control erosion during excavation of these materials.
- h. Silt fencing shall be placed around stockpile areas as necessary to prevent or control silt wash-off from the site.

Phase 2 Storm Drainage Installation: This phase will be done after the clearing phase. Storm sewers shall be installed and put into service as early in the grading process as possible. The following will apply to this phase of construction:

- a. All aspects of the previous phases shall be maintained as applicable.
- b. Storm sewers that are installed shall be put into service immediately. The inlets of all storm sewers shall be protected with silt traps that prevent or control sediment from entering pipe. This protection can be silt fences or Rock Dams as applicable and as shown on the plans.
- c. Rip-rap as shown on the plans and as required on the site will be installed at pipe outlets to prevent or control erosion due to the velocities of water in the pipes. The rip-rap shall be extended downstream as needed to prevent or control erosion.
- d. Additional silt fencing shall be installed as necessary to prevent or control erosion and siltation resulting from stockpiled excavation material from utility installation operations.
- e. Rip-rap check dams shall be installed in all newly constructed ditches and swales as necessary to prevent or control erosion and siltation.

Phase 3 Finish Grading, Pavement Installation, and Landscaping: This is the wrap-up stage when all temporary sediment and erosion control measures will be phased out. The following will apply to this phase:

- a. All facilities from phase 1 and phase 2 will be maintained as appropriate and removed when need no longer exists.
- b. Silt traps around drainage inlets will be maintained, modified as necessary, and removed when need is gone.
- c. Cut slopes shall be protected as shown on the plans by constructing swales at the top of cut slopes to intercept run-off upgrade and prevent it from running down slopes uncontrolled. Swales will be constructed where shown on plans with rip-rap check dams or silt fences constructed in swales as necessary to prevent or control erosion and siltation.
- d. Fill slopes shall be protected as shown on the plans by the construction of diversion berms and temporary down drains at the top of all fill slopes to prevent uncontrolled runoff from draining down faces of slopes and causing erosion and siltation.
- e. Silt fences shall be in place at the toe of all fill slopes.
- f. Slopes (cut and fill) that are constructed in the final configuration shall be protected with geotextile matting, grassed, and mulched as shown on the plans as grading is completed so vegetation can protect the slope.
- g. All areas not receiving pavement shall be grassed per plan, or have landscaping, mulching and or sod installed as applicable.

SEEDING SCHEDULE: **Ds1****Ds2**

1. All disturbed areas shall receive grassing. Replace existing grass/sod in kind as indicated on the plans using proper application. All other areas shall receive grassing using one of the following seed schedules:

| March thru June | Rate(Lbs/Acre) | |
|--------------------------------|----------------|---------|
| | ALONE | MIXTURE |
| SERICA LESPEDEZA (SCARIFIED) | 60 | 40 |
| BERMUDA GRASS (HULLED) | 10 | 10 |
| FESCUE | 50 | 40 |
| June thru September | | |
| SERICA LESPEDEZA (SCARIFIED) | 60 | 40 |
| SERICA LESPEDEZA (UNSCARIFIED) | 75 | 25 |
| BERMUDA GRASS (HULLED) | 10 | 10 |
| FESCUE | 50 | 40 |
| September thru March | | |
| SERICA LESPEDEZA (UNSCARIFIED) | 75 | 75 |
| FESCUE | 50 | 40 |
| RYE | -- | 56 |

2. Prior to seed application treat soil as follows:
- a. Two (2) Tons agricultural lime/acre
 - b. 1500 lbs 6-12-12 fertilizer/acre

Ds3

Thoroughly incorporate the above amendments into the first two or three inches of soil. After seeding, firm the seeds into the top 1/4" of soil. Mulch immediately after seeding with either straw, hay, or wood cellulose fiber. Straw or hay shall be applied at a rate of 100 lbs/1000 s.f.. Hay or straw will be anchored with an adhesive. Water as needed to establish seedlings.

NOTE:
Prior to sowing, inoculate commercial culture according to manufacture's instructions.

Ds4

SODDING - MATCH EXISTING

B. Landscaping/Seeding

Refer to the Seeding Schedule for the installation of lime, fertilizer, seed and mulch. Grassing operations shall be done throughout the construction process at those times when portions of the site are finished and ready for permanent ground cover. This will require multiple efforts by the contractor to stabilize all impacted areas of the site in an orderly fashion. No areas of the site that receive final grade shall be left for more than fourteen (14) days without the application of seed and mulch. Temporary stabilization measures such as mulch or temporary seeding shall be required for all areas where construction activities have ceased for 14 days or more.

C. Inspection and Maintenance Instructions:

All erosion and sediment control facilities shall be inspected at the end of each working day, at a minimum once every 7 days if construction activities have ceased, and within 24 hours after each rainfall event. Any damage or nonfunctional facility shall be repaired immediately. All inspection and maintenance records shall be kept on site. Inspection and maintenance activities include but are not limited to the following.

1. Sediment traps will be checked for sediment cleanout. Sediment shall be removed and the trap restored to its original dimensions when the sediment has accumulated to one-half (1/2) the design volume of the wet storage. Sediment removed from the trap shall be deposited in suitable areas and in such a manner that it will not erode and cause sedimentation problems.
2. Rip-rap outlets, rock filter dams, and check dams will be checked for sediment buildup which will prevent drainage. If the rip-rap is clogged by sediment, it shall be removed and cleaned or replaced. Sediment shall be removed when it reaches 1/2 of the original height of the check dam or rock filter dam.
3. Silt fence barriers will be checked for undermining or deterioration of the fabric. sediment shall be removed when the level of deposition reaches half way to the top of the barrier.
4. Temporary diversions and down drains structures shall be inspected for damages due to rainfall and repaired as necessary.
5. Seeded areas will be checked to ensure that a complete and adequate cover is maintained. Areas should be fertilized and reseeded as needed.
6. If any facility is damaged during maintenance, or otherwise, the damaged portion shall be removed and be replaced according to the indicated detail.
7. If silt has clogged sediment control facility and it is no longer effective in filtering silt, the structure shall be removed and replaced with a new structure in accordance with the applicable detail.
8. Construction entrance shall have additional stone added as mud covers stone. During muddy times, tires shall be washed prior to going onto the street.
9. When sediment is transported onto a paved road surface, the road will be cleaned thoroughly at the end of each day. Sediment will be removed from the road by shovel and sweeping and transported to a sediment control disposal area.

D. Maintaining Effectiveness:

Contractor shall inspect overall performance of erosion and sediment control facilities and areas downstream. If silt is apparent downstream from structures, immediately inspect all structural measures. If sediment is observed downstream, notify the engineer, and the engineer will inspect the condition and direct the removal of accumulated sediment downstream and add additional structural measures as necessary. Contractor shall implement recommended solutions to problem areas as recommended.

III. Completion:

- A. Project Close Out: The following shall be done at the end of the project.
1. Inspect site to be sure that ground cover is complete and adequate. In other words, all areas are either paved or complete and adequate ground cover with no erosion apparent. Complete and adequate ground cover of vegetation is defined as 70% vegetative cover with no areas of erosion apparent.
 2. If above inspection is made and approved, all structural facilities shall be removed along with any accumulated silt. The areas disturbed by removal of structures shall be fine graded, grassed, and mulched.
 3. If inspection is made and problems exist, resolve the problem, make the repair, and make subsequent inspection prior to removal.

IV. Miscellaneous Issues:

- A. No fuel or oil will be stored on site without proper containment. All petroleum use, storage, and handling areas shall be inspected at the end of each working day for spills or leaks.
- B. Any spilled oil, gas, etc., resulting from construction activities shall be contained and cleaned immediately and contaminated soils shall be disposed of in an approved manner at a licensed landfill.
- C. No oil or gas will be dumped on site.
- D. If dewatering operations are required, pumped ground water shall be routed through silt control facilities to filter water prior to discharge.
- E. Project site shall be kept clean of all trash and construction debris. Contractor shall have trash and debris collected and hauled off the site.
- F. All water supply will be provided from public water supply.
- G. Dust suppression operations will be done by means of a water truck spraying water on the surface on the site.
- H. Port-a-john shall be located on site as necessary to avoid construction activities.

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

STANDARDS & SPECIFICATIONS: "ALL DESIGNS WILL CONFORM TO AND ALL WORK WILL BE PREFORMED IN ACCORDANCE WITH STANDARDS AND SPECIFICATIONS OF THE PUBLICATION ENTITLED MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA."

INSTALLATION STATEMENT: "THE INSTALLATION OF EROSION CONTROL MEASURES & PRACTICES SHALL TAKE PLACE PRIOR TO OR CONCURRENT WITH LAND DISTURBING ACTIVITIES."

FLOOD HAZARD STATEMENT: ACCORDING TO FLOOD PANEL NO. 13089C0077K DATED DECEMBER 6, 2016 NO PORTION OF THIS PROJECT IS LOCATED WITHIN A 100 YR FLOOD PLAIN.

DEBRIS DISPOSAL STATEMENT: "STUMPS AND CONSTRUCTION DEBRIS SHALL BE DEPOSITED IN A PROPERLY PERMITTED LANDFILL"

EROSION & SEDIMENTATION INFORMATION: "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."

CLEARING LIMITS: "THE CLEARING LIMITS WILL BE CLEARLY LOCATED IN THE FIELD. NO CONSTRUCTION ACTIVITY WILL TAKE PLACE OUTSIDE THE CLEARING LIMITS." CLEARING LIMITS SHALL BE CLEARLY DELINEATED WITH EITHER TREE SAVE FENCE OR OTHER SUITABLE MEANS.



Know what's below.
Call before you dig.

| REVISIONS | | | | | | | |
|-----------|------|----|-------------|---|------|----|-------------|
| Δ | DATE | BY | DESCRIPTION | Δ | DATE | BY | DESCRIPTION |
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Moreland Altobelli Associates, Inc.
2460 Commerce Ave.
Suite 100
Duluth, Georgia 30096-8910
Telephone: (770) 263-0945

| DESIGNED BY | NAME | DATE | DRAWN BY | NAME | DATE |
|-------------|------|---------|------------|------|---------|
| JAD | JAD | 7/10/17 | JAD | JAD | 7/10/17 |
| CHECKED BY | NAME | DATE | CHECKED BY | NAME | DATE |
| EB | EB | 7/10/17 | EB | EB | 7/10/17 |

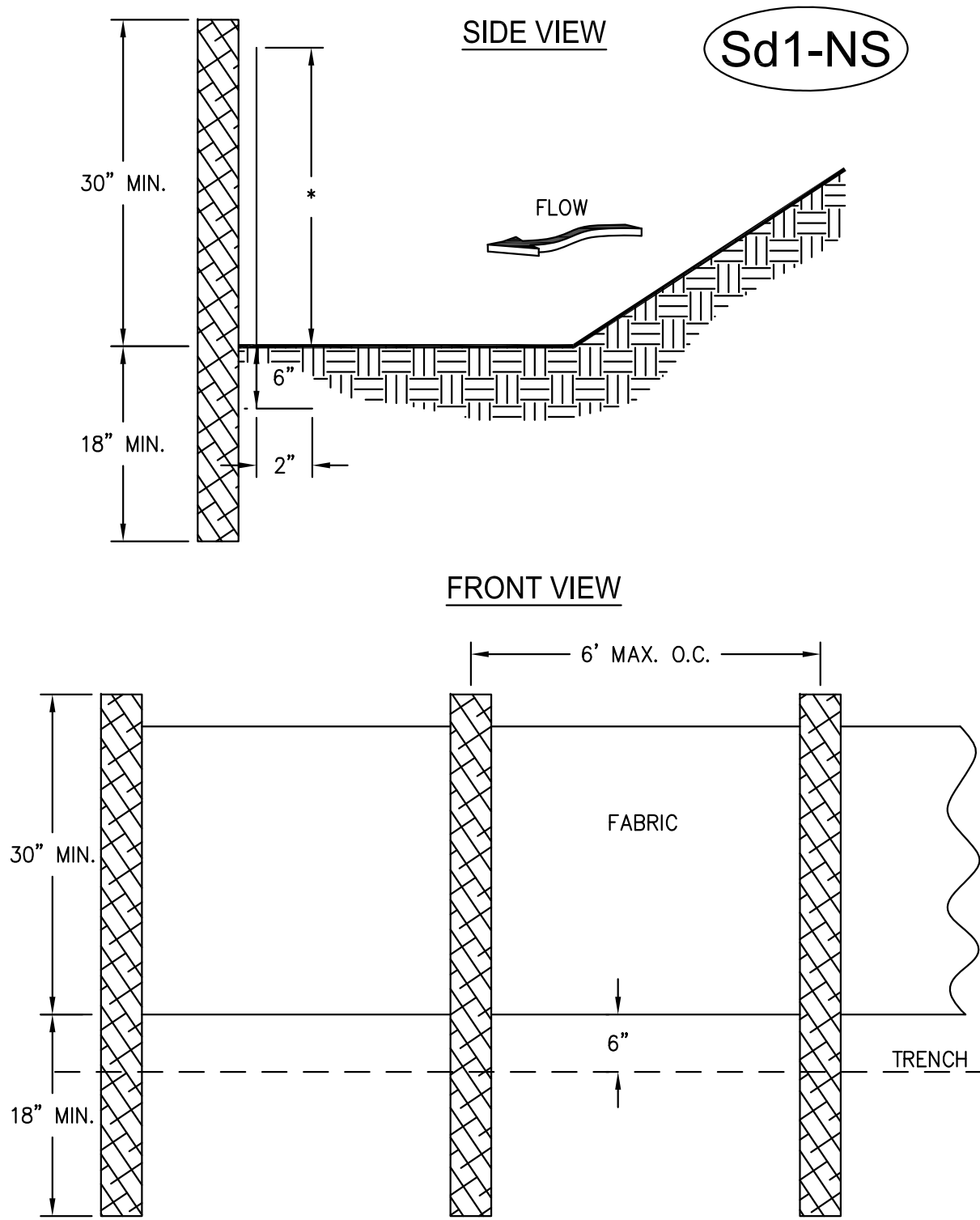
DEKALB COUNTY
DEPARTMENT OF TRANSPORTATION
DEKALB COUNTY, GA

S.R. 236 / HUGH HOWELL ROAD
SIDEWALK IMPROVEMENTS CONSTRUCTION PLANS
EROSION & SEDIMENT CONTROL NOTES

DRAWING NUMBER
C6.4

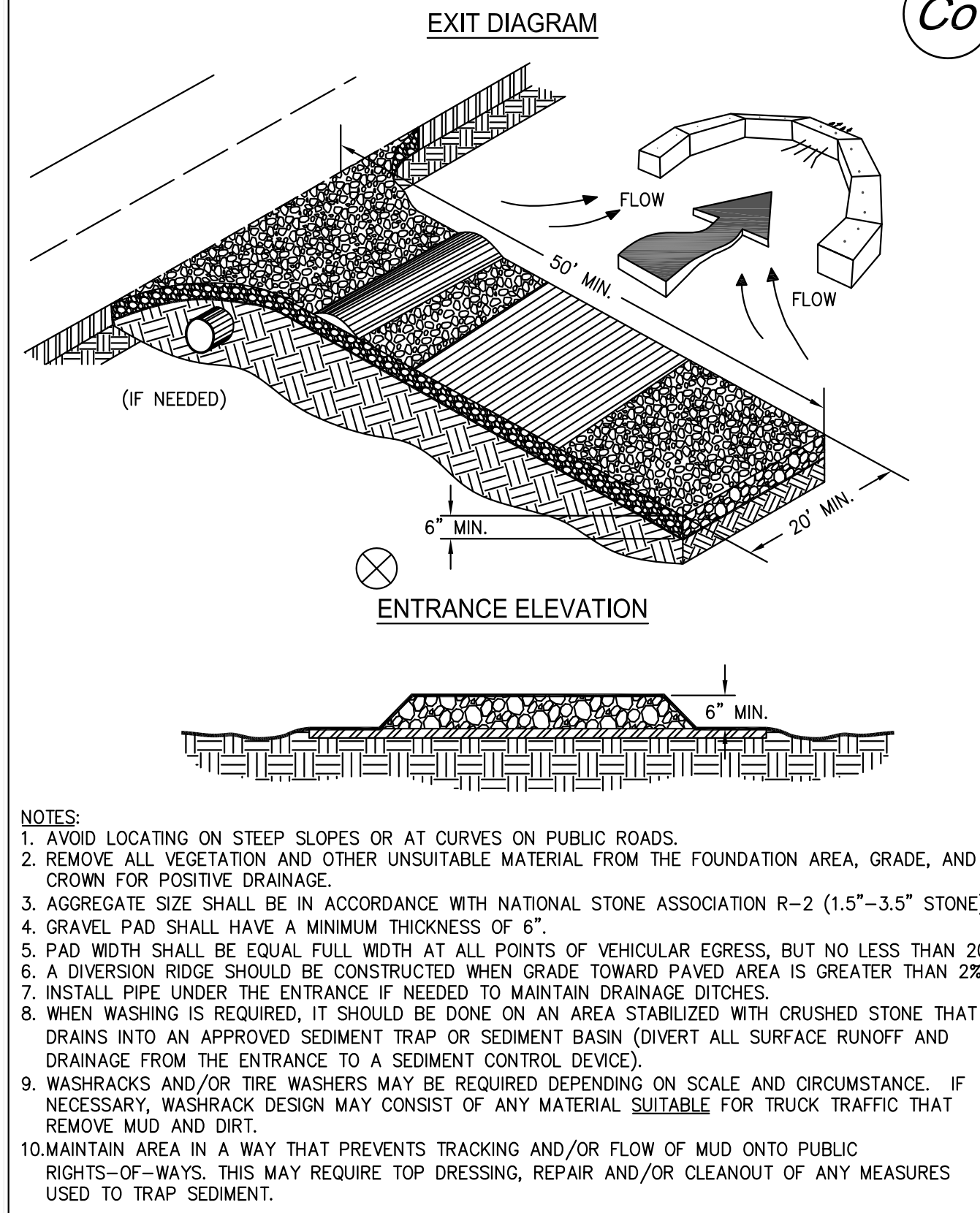
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SILT FENCE - TYPE NON-SENSITIVE

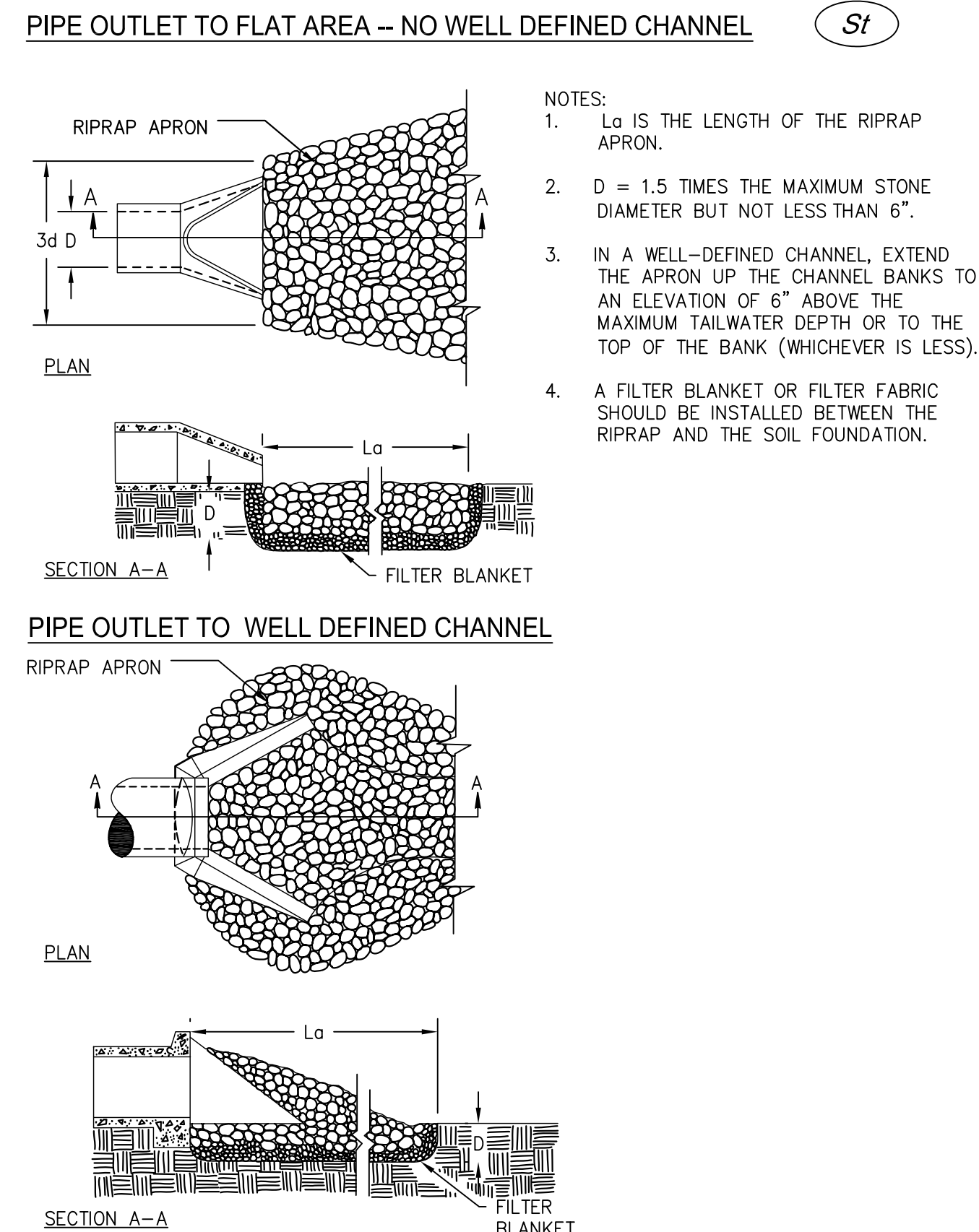


- NOTES:**
- USE STEEL OR WOOD POSTS OR AS SPECIFIED BY THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
 - HEIGHT (*) IS TO BE SHOWN ON THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.

CRUSHED STONE CONSTRUCTION EXIT



RIPRAP OUTLET PROTECTION



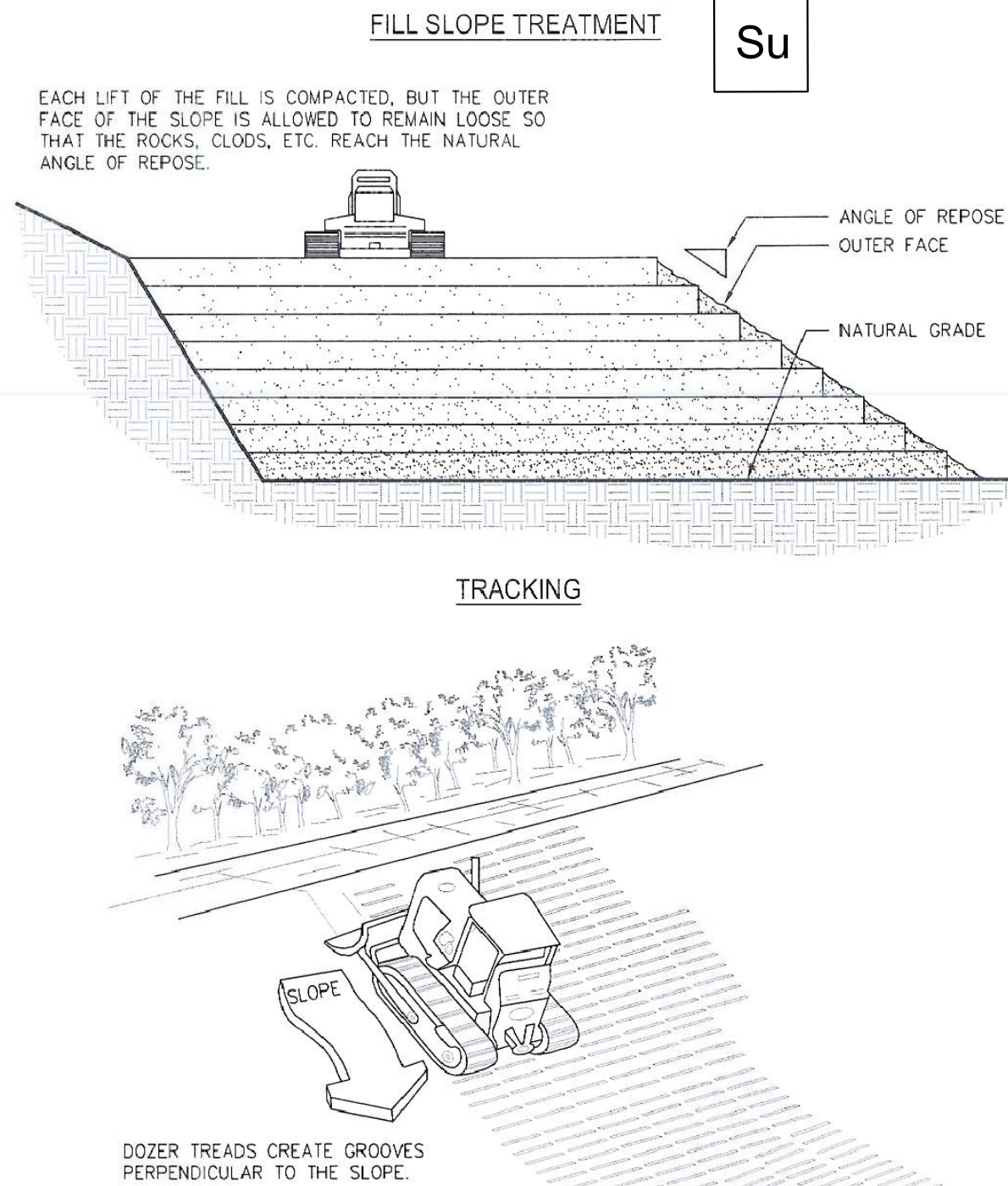
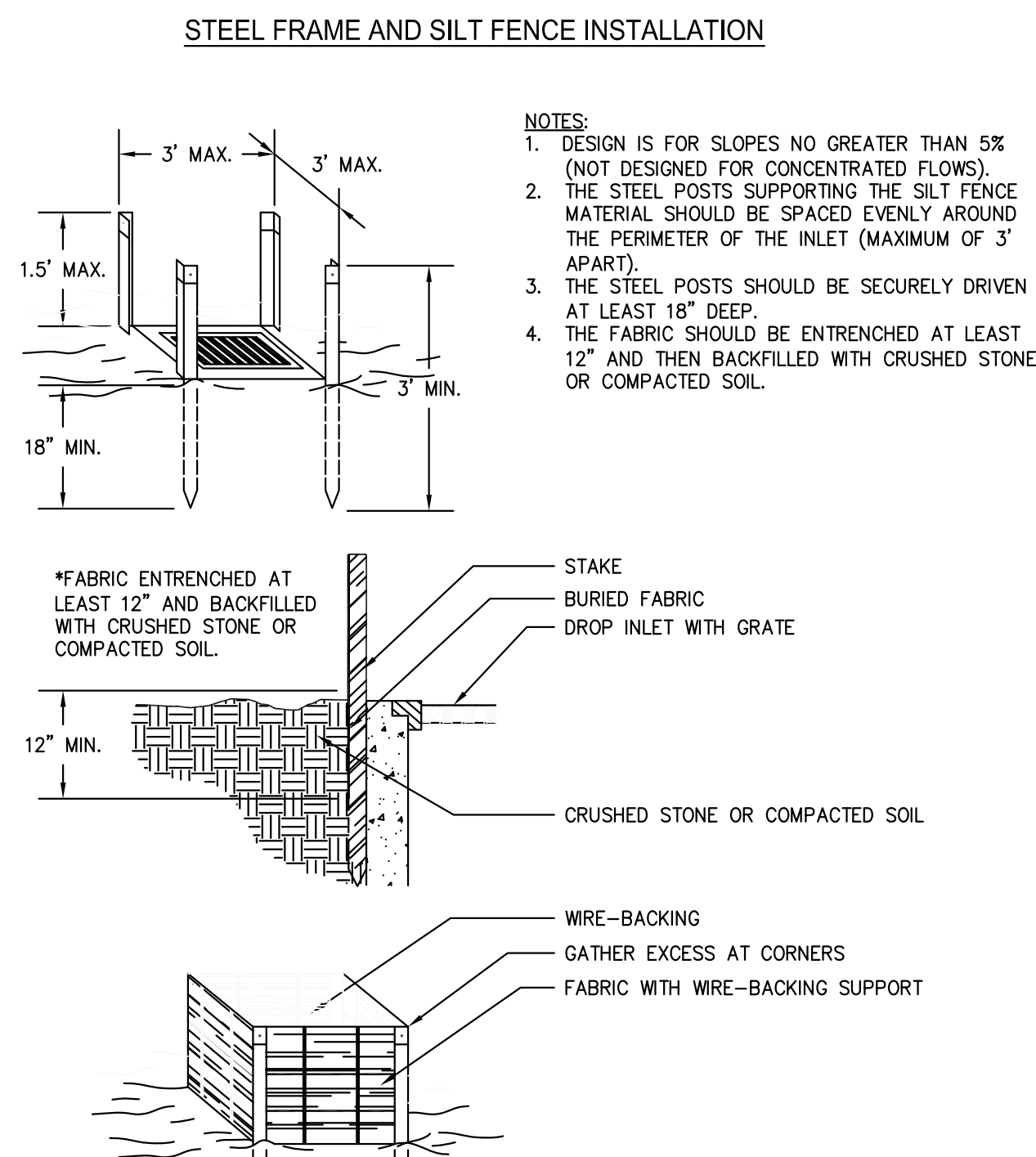
GEORGIA UNIFORM CODING SYSTEM FOR SOIL EROSION AND SEDIMENT CONTROL PRACTICES

GEORGIA SOIL AND WATER CONSERVATION COMMISSION

| STRUCTURAL PRACTICES | | | | STRUCTURAL PRACTICES | | | |
|----------------------|----------------------------------|----------|--|----------------------|-------------------------------|----------|--|
| CODE | PRACTICE | DETAIL | DESCRIPTION | CODE | PRACTICE | DETAIL | DESCRIPTION |
| CO | DEMOLITION | [Symbol] | A well temporary barrier or dem construction across a grade, drainage ditch or area of concentrated flow. | ST | TEMPORARY STEEL OR WOOD POST | [Symbol] | A temporary barrier or sheet-pile structure extending an apron or concrete from damage to existing construction. |
| CO | CHANNEL STABILIZATION | [Symbol] | Improves, constructs or stabilizes on open channels, existing stream, or ditch. | ST | STEEL RIGID OUTLET PROTECTION | [Symbol] | A paved or short section of riprap channel on outlet of a storm drain or pipe preventing erosion from the concentrated flow. |
| CO | CONSTRUCTION DIST | [Symbol] | A crushed stone pad located at the construction site to provide a place for parking mud from tires thereby protecting public ways. | SU | SURFACE BOUNDING | [Symbol] | A rough soil surface with horizontal depression on a contour or slope left in a rough condition after grading. |
| CO | CONSTRUCTION SITE STABILIZATION | [Symbol] | A temporary structure to provide a place for parking mud from tires thereby protecting public ways. | TC | TRENCH CURBING | [Symbol] | A footing or stable barrier installed with the trench (It may refer to a footing beam, fill barrier, or all curbing). |
| CO | STREAM CHANNEL CHANNEL | [Symbol] | A temporary channel constructed to convey flow around a construction site while a permanent structure is being constructed. | TP | TOPOLOGY | [Symbol] | The practice of stripping off the more fertile soil during a site preparation to cover the disturbed area after completion of construction activities. |
| DI | DRAINAGE | [Symbol] | An earth channel or ditch located above, below or across a slope to direct runoff. This may be a temporary or permanent structure. | TP | TREE PROTECTION | [Symbol] | To protect desirable trees from injury during construction activity. |
| CO | TEMPORARY CONSTRUCTION STRUCTURE | [Symbol] | A flexible conduit of heavy-duty fabric or other material designed to safely conduct surface runoff down a slope. | TP | VEGETATION | [Symbol] | Planting or establishment of vegetation on disturbed areas. |
| CO | PERMANENT CONSTRUCTION STRUCTURE | [Symbol] | A paved drain, pipe, sectioned conduit or other material designed to safely conduct surface runoff down a slope. | TP | VEGETATION PROTECTION | [Symbol] | Planting or establishment of vegetation on disturbed areas. |
| FO | FLUSH PAVEMENT | [Symbol] | A temporary stone barrier constructed at storm drain inlets and pond outlets. | TP | VEGETATION RESTORATION | [Symbol] | Planting or establishment of vegetation on disturbed areas. |
| FO | SOIL BINDER | [Symbol] | Rock filler blocks which are hand-placed into position forming soil stabilizing structures. | TP | VEGETATION RESTORATION | [Symbol] | Planting or establishment of vegetation on disturbed areas. |
| FO | GRADE STABILIZATION STRUCTURE | [Symbol] | Permanent structures installed to protect channels or drainage ways throughout the construction site. They should be constructed on undisturbed soil. | TP | VEGETATION RESTORATION | [Symbol] | Planting or establishment of vegetation on disturbed areas. |
| FO | LEVEL SPREADING | [Symbol] | A structure to convert concentrated flow of water into low velocity sheet flow. This should be constructed only on undisturbed soil. | TP | VEGETATION RESTORATION | [Symbol] | Planting or establishment of vegetation on disturbed areas. |
| FO | ROCK FILL WALL | [Symbol] | A permanent or temporary stone filler dam located across small streams or waterways. | TP | VEGETATION RESTORATION | [Symbol] | Planting or establishment of vegetation on disturbed areas. |
| FO | RETAINING WALL | [Symbol] | A wall installed to stabilize cut or fill slopes where erosion-prone materials are cut or exposed. Each situation will require special design. | TP | VEGETATION RESTORATION | [Symbol] | Planting or establishment of vegetation on disturbed areas. |
| FO | RETRO FITTING | [Symbol] | A device or structure placed in front of a permanent structure to absorb and dissipate the energy of flowing water before it reaches the structure. | TP | VEGETATION RESTORATION | [Symbol] | Planting or establishment of vegetation on disturbed areas. |
| FO | SEDIMENT TRAP | [Symbol] | A basin or structure designed to capture sediment before it reaches the structure. It may be used to temporarily store sediment before it is discharged. | TP | VEGETATION RESTORATION | [Symbol] | Planting or establishment of vegetation on disturbed areas. |
| FO | SOIL STABILIZATION | [Symbol] | Topsoil or other material spread by spreading around a stone drain pipe. The spreader is used to spread and stabilize on completion of construction activities. | TP | VEGETATION RESTORATION | [Symbol] | Planting or establishment of vegetation on disturbed areas. |
| FO | SOIL STABILIZATION | [Symbol] | A bank created by spreading a soil-stabilizing material over an area of soil. The material is used to stabilize the bank of the sediment or fill cut. | TP | VEGETATION RESTORATION | [Symbol] | Planting or establishment of vegetation on disturbed areas. |
| FO | TEMPORARY SEDIMENT BARRIER | [Symbol] | A small temporary pond that drains a disturbed area and collects runoff water out. The primary feature distinguishing a temporary sediment trap from a temporary sediment basin is the size of the pond. | TP | VEGETATION RESTORATION | [Symbol] | Planting or establishment of vegetation on disturbed areas. |
| FO | TEMPORARY SEDIMENT BARRIER | [Symbol] | A protective covering used to prevent erosion and stabilize temporary or permanent vegetation on steep slopes, short fills, or channels. | TP | VEGETATION RESTORATION | [Symbol] | Planting or establishment of vegetation on disturbed areas. |
| FO | FLUTING CHANNEL | [Symbol] | Linear control device constructed as a dike perpendicular to the direction of flow to reduce discharge and velocities, and thereby reduce sediment transport with the establishment of bioturbation dikes. | TP | VEGETATION RESTORATION | [Symbol] | Planting or establishment of vegetation on disturbed areas. |
| FO | SEED BERM | [Symbol] | | TP | VEGETATION RESTORATION | [Symbol] | Planting or establishment of vegetation on disturbed areas. |

GS/CSC (Revised - 2010)

FABRIC AND SUPPORTING FRAME FOR INLET PROTECTION



Ds1

| MATERIAL | MULCHING APPLICATION RATE | DEPTH |
|----------------------------------|---------------------------|--------|
| STRAW OR HAY | 2 1/2 TON PER ACRE | 6"-10" |
| WOOD WASTE, CHIPS, SAWDUST, BARK | 6-9 TON PER ACRE | 2"-3" |

PIEDMONT VEGETATIVE COVER

| MONTH | TEMPORARY | RATE / ACRE ALONE - MIX | PERMANENT | RATE / ACRE ALONE - MIX |
|-----------|---|--|--|--|
| JANUARY | RYE GRASS | 40 LBS | UNHULLED BERMUDA SERICEA LESPEDEZA | 10 LBS 6 LBS 60 LBS |
| FEBRUARY | RYE GRASS | 40 LBS | UNHULLED BERMUDA SERICEA LESPEDEZA(2) FESCUE | 10 LBS 6 LBS 60 LBS 30 LBS |
| MARCH | RYE GRASS ANNUAL LESPEDEZA(2) WEEPING LOVEGRASS | 40 LBS 40 LBS 10 LBS 4 LBS 2 LBS | UNHULLED BERMUDA SERICEA LESPEDEZA(1,2) FESCUE | 10 LBS 6 LBS 60 LBS 50 LBS 30 LBS |
| APRIL | ANNUAL LESPEDEZA(2) RYE BROWN TOP MILLET SUDAN GRASS | 40 LBS 10 LBS 3 BU, 0.5 BU, 40 LBS 10 LBS 60 LBS | WEEPING LOVEGRASS HULLED BERMUDA BAHIA | 4 LBS 2 LBS 10 LBS 6 LBS 60 LBS 30 LBS |
| MAY | WEEPING LOVEGRASS SUDAN GRASS BROWN TOP MILLET | 4 LBS 2 LBS 60 LBS 40 LBS 10 LBS | WEEPING LOVEGRASS HULLED BERMUDA BAHIA | 4 LBS 2 LBS 10 LBS 6 LBS 60 LBS 30 LBS |
| JUNE | WEEPING LOVEGRASS SUDAN GRASS BROWN TOP MILLET | 4 LBS 2 LBS 35 LBS 40 LBS 10 LBS | WEEPING LOVEGRASS HULLED BERMUDA BAHIA | 4 LBS 2 LBS 10 LBS 6 LBS 60 LBS 30 LBS |
| JULY | WEEPING LOVEGRASS SUDAN GRASS BROWN TOP MILLET | 6 LBS 6 LBS 60 LBS 40 LBS 10 LBS | | |
| AUGUST | WEEPING LOVEGRASS RYE GRASS | 4 LBS 2 LBS 40 LBS | | |
| SEPTEMBER | | | FESCUE | 50 LBS 30 LBS |
| OCTOBER | WHEAT | 180 LBS 30 LBS | UNHULLED BERMUDA SERICEA LESPEDEZA(2) FESCUE | 10 LBS 6 LBS 60 LBS 50 LBS 30 LBS |
| NOVEMBER | WHEAT | 180 LBS 30 LBS | UNHULLED BERMUDA SERICEA LESPEDEZA(2) FESCUE | 10 LBS 6 LBS 60 LBS 50 LBS 30 LBS |
| DECEMBER | WHEAT | 180 LBS 30 LBS | UNHULLED BERMUDA SERICEA LESPEDEZA(2) FESCUE | 10 LBS 6 LBS 60 LBS 50 LBS 30 LBS |

NOTES:

- SEED SHALL BE SCARIFIED
- SEED SHALL BE INOCULATED

NOTE: NO SERICEA LESPEDEZA SHALL BE USED IN PROJECT

Ds2 Ds3

SEEDING SCHEDULE:

1. All disturbed areas shall receive grassing. Replace existing grass/sod in kind as indicated on the plans using proper application. All other areas shall receive grassing using one of the following seed schedules:

| Month | Rate (Lbs/Acre) ALONE | MIXTURE |
|----------------------|-----------------------|---------|
| March thru June | 60 | 60 6 30 |
| June thru September | 60 | 60 6 30 |
| September thru March | 60 | 60 6 30 |

Labels: SERICEA LESPEDEZA (SCARIFIED), BERMUDA GRASS (HULLED), FESCUE

2. Prior to seed application treat soil as follows:

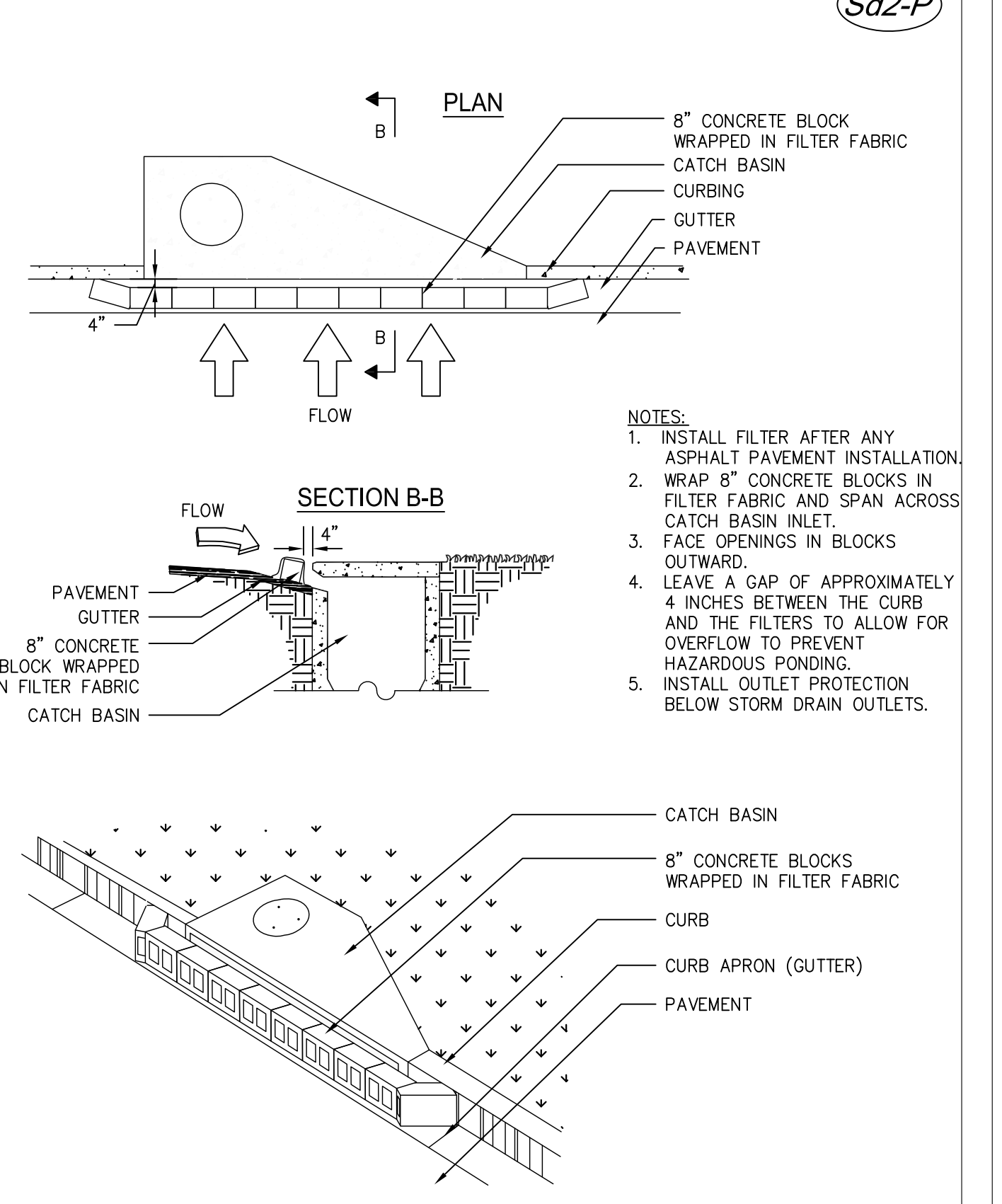
- Two (2) Tons agricultural lime/acre
- 1500 lbs 6-12-12 fertilizer/acre

Thoroughly incorporate the above amendments into the first two or three inches of soil. After seeding, firm the seeds into the top 1/4" of soil. Mutch immediately after seeding with either straw, hay, or wood cellulose fiber. Straw or hay shall be applied at a rate of 100 lbs/1000 s.f. Hay or straw will be anchored with an adhesive. Water as needed to establish seedlings.

NOTE: Prior to sowing, inoculate commercial culture according to manufacturer's instructions.



CURB INLET FILTER "PIGS IN BLANKET"



REVISIONS

| NO. | DATE | BY | DESCRIPTION |
|-----|------|----|-------------|
| | | | |

MA Moreland Altobelli Associates, Inc. 2460 Commerce Ave. Suite 100 Duluth, Georgia 30096-8910 Telephone (770) 263-0945

| DESIGNED BY | NAME | DATE | DRAWN BY | NAME | DATE |
|-------------|------|---------|------------|------|---------|
| JAD | JAD | 7/10/17 | JAD | JAD | 7/10/17 |
| CHECKED BY | EB | 7/10/17 | CHECKED BY | EB | 7/10/17 |

DEKALB COUNTY DEPARTMENT OF TRANSPORTATION DEKALB COUNTY, GA

S.R. 236 / HUGH HOWELL ROAD SIDEWALK IMPROVEMENTS CONSTRUCTION PLANS EROSION & SEDIMENT CONTROL DETAILS