ALL CONSTRUCTION SHALL BE
IN ACCORDANCE WITH CITY OF
VALDOSTA & GDOT STANDARDS
AND SPECIFICATIONS

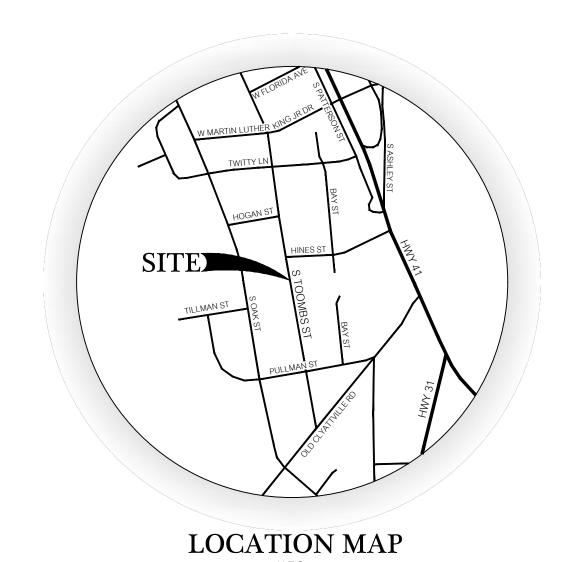
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100% CONSTRUCTION PLANS

TOOMBS STREET SIDEWALK IMPROVEMENTS

VALDOSTA, LOWNDES COUNTY, GA

She	et List Table
Sheet Number	Sheet Title
	COVER
1	TYPICAL SECTION & GENERAL NOTES
2	EXISTING, DEMO, & PROPOSED LAYOUT 1
3	EXISTING, DEMO, & PROPOSED LAYOUT 2
4	EXISTING, DEMO, & PROPOSED LAYOUT 3
5	EXISTING, DEMO, & PROPOSED LAYOUT 4
6	CROSS SECTIONS 1
7	CROSS SECTIONS 2
8	CROSS SECTIONS 3
9	E&SC PLAN 1
10	E&SC PLAN 2
11	E&SC DETAIL



PREPARED BY:



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1. UTILITIES SHOWN HEREON ARE BASED UPON ABOVE GROUND APPURTENANCES ONLY. UTILITY SKETCHES WERE PROVIDED TO ASSIST IN THE IDENTIFICATIONS OR LOCATION OF WATERLINES IN THE PROJECT AREA. 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/HER RESPONSIBILITY UNDER TITLE 25, CHAPTER 9, OFFICIAL CODE OF GEORGIA ANNOTATED. VERIFY THE ELEVATIONS OF EXISTING 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.

2. 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.

3. 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.

4. 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.

5. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY WHEN CONFLICT BETWEEN THE DRAWINGS AND ACTUAL CONDITIONS ARE DISCOVERED DURING THE COURSE OF CONSTRUCTION.

6. NO CONSTRUCTION SHALL COMMENCE UNTIL ALL APPLICABLE PERMITS AND REQUIRED EASEMENTS HAVE BEEN OBTAINED.

7. 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.

8. WATER MAINS, SEWER MAINS AND STORM PIPES SHALL BE INSTALLED WITH 3' OF MINIMUM COVER TO INCLUDE UNDER SWALES AND 18" VERTICAL TO UTILITY CROSSINGS. CONTRACTOR SHALL ENSURE A MINIMUM HORIZONTAL DISTANCE OF 5' BETWEEN NEW WATER MAIN LOCATIONS AND SIGNIFICANT ABOVE GROUND APPURTENANCES: E.G. BUILDINGS. POWER / UTILITY POLES, TREES, ETC. ALL TEES AND BENDS FOR WATER MAIN CONSTRUCTION SHALL BE DUCTILE IRON.

9. WORK MUST BE COMPLETED BY A GA LICENSED UTILITIES CONTRACTOR.

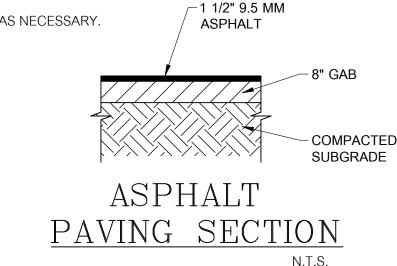
CONCRETE SIDEWALK SECTION

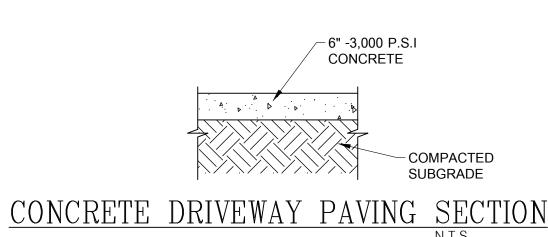
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INITIATING, SUPERVISING AND MAINTAINING ALL SAFETY PROGRAMS THROUGHOUT THE DURATION OF CONSTRUCTION. ALL BARRICADES, SUFFICIENT LIGHTS, SIGNS AND OTHER TRAFFIC CONTROL METHODS AS NECESSARY FOR THE PROTECTION AND SAFETY OF THE PUBLIC SHALL BE PROVIDED AND MAINTAINED BY THE CONTRACTOR THROUGHOUT THE DURATION OF CONSTRUCTION. TRAFFIC CONTROL METHODS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

11. SAFE TRENCH CONSTRUCTION IS MANDATORY. ALL SLOPES SHALL BE LAID BACK OR SHORED AS NECESSARY.

-4" -3,000 P.S.I

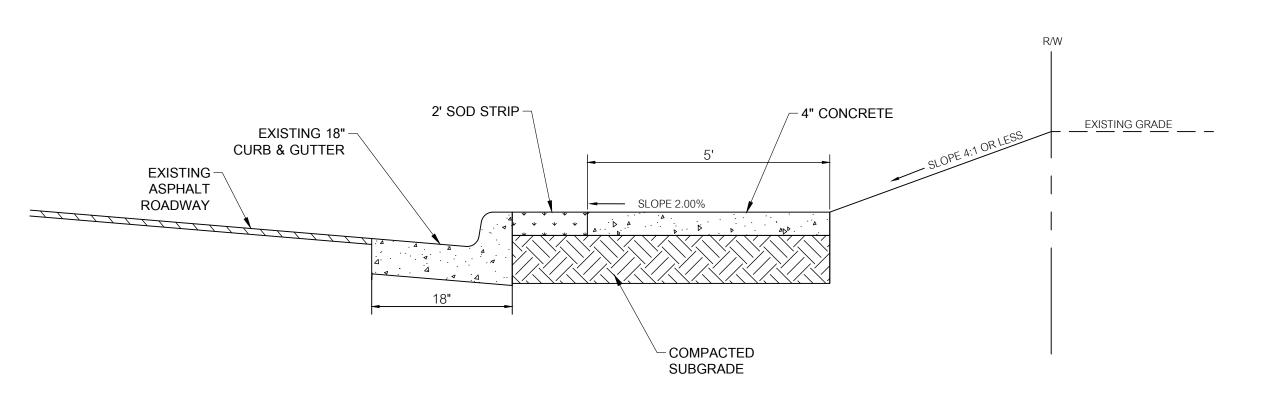
CONCRETE





CONNECT NEW SIDEWALKS TO EXISTING -DRIVEWAY APRONS BY REMOVING OR "SHAVING" THE HEADER CURB. MATCH ELEVATIONS AT EDGE OF DRIVEWAY AND AT THE BASE OF THE HEADER CURB.

TYPICAL SIDEWALK CONNECTION



TYPICAL SECTION

12. THE CONTRACTOR SHALL KEEP RECORDS OF WORK PERFORMED ON A DAILY BASIS. THE CONTRACTOR SHALL PROVIDE ADEQUATE OVERSIGHT AND MANAGEMENT FOR HIS CONSTRUCTION EFFORTS

13. 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.

14. 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.

15. THE CONTRACTOR SHALL SAW CUT EXISTING ASPHALT PAVEMENT AS REQUIRED TO PRODUCE A SMOOTH JOINT WITH NEW PAVEMENT.

16. MAGNETIC DETECTION TAPE AND TRACER WIRE SHALL BE INSTALLED WITH THE PVC PIPE FOR EASE OF FUTURE LOCATION. ALL TRACER WIRE SHALL BE 14 GAUGE OR AS REQUIRED BY LOCAL CODE.

18. 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.

17. THE CONTRACTOR SHALL ADJUST ALL PROPOSED SANITARY SEWER MANHOLE COVERS TO MATCH FINISHED GRADES.

19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION STAKING.

20. 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 MY AFFECT THEM.

21. THE CONTRACTOR SHALL MAINTAIN, AT ALL TIMES, ADEQUATE AND SAFE ACCESS FOR ALL RESIDENTS AND/OR ADJOINING PROPERTY OWNERS DURING CONSTRUCTION.

22. ALL CONCRETE WASHOUT SHALL BE COLLECTED BY THE CONTRACTOR ONSITE AT AN AREA DESIGNATED BY THE OWNER FOR OFFSITE DISPOSAL BY THE CONTRACTOR. WASHOUT SHALL BE MAINTAINED EITHER BY BERM OR BY WASHOUT

23. ALL HAZARDOUS MATERIALS / WASTE SHALL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL OR STATE REGULATIONS OR BY THE MANUFACTURER.

24. 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.

25. CONTRACTOR SHALL REVIEW. PLAN AND SEQUENCE SITE GRADING AND THE INSTALLATION OF UNDERGROUND UTILITIES TO ENSURE PROPER INSTALLATION AND ELIMINATE POTENTIAL CONFLICTS.

CITY OF VALDOSTA ENGINEERING COMMENTS

1. CITY OF VALDOSTA LAND DEVELOPMENT REGULATIONS MUST BE FOLLOWED.

2. CONTACT THE CITY OF VALDOSTA ENGINEERING DEPARTMENT A MINIMUM OF 24 HOURS BEFORE BEGINNING ANY CONSTRUCTION. CONTACT THE CITY OF VALDOSTA UTILITIES DEPARTMENT A MINIMUM OF 24 HOURS BEFORE CONNECTING TO ANY CITY UTILITIES.

3. CONTRACTOR MUST OBTAIN A ROW NUMBER PRIOR TO WORK ON ALL CITY RIGHT-OF-WAY BY CALLING 259-3530; 24 HOURS IN ADVANCE.

4.CONTRACTOR SHALL INSTALL BEST MANAGEMENT PRACTICES BEFORE CONSTRUCTION BEGINS. NO INSPECTIONS WILL BE PERFORMED PRIOR TO THE PLACEMENT OF BMP'S.

5. PROVIDE NAME & CERTIFICATION NUMBER OF ONSITE EROSION CONTROL TECHNICIAN TO THE ENGINEERING DEPARTMENT ALONG WITH THEIR CONTACT PHONE NUMBER(S)

6. ALL CONSTRUCTION SHALL COMPLY WITH GA ACCESSIBILITY CODES.

7. NO TREES INSTALLED IN THE MIDDLE OF THE DRAINAGE EASEMENTS OF SWALES.

9.ALL PAVEMENT MARKINGS SHALL COMPLY WITH LATEST EDITION OF THE MUTCD MANUAL.

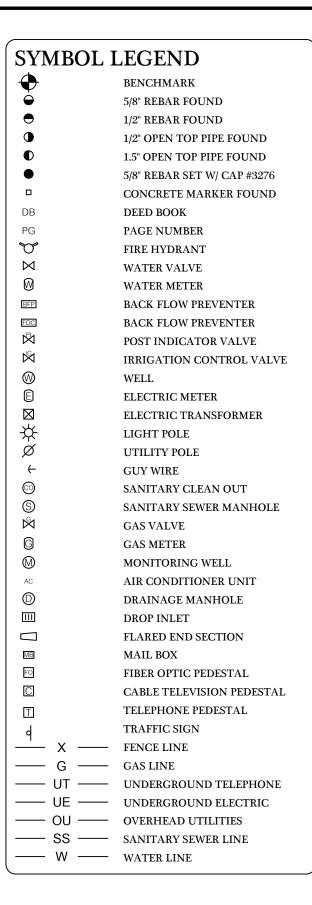
8. ABANDONED CURB CUTS (REPLACE SIDEWALKS, CURB AND GUTTER, FILL IN AS NECESSARY AND SOD).

10. ASBUILTS REQUIRED ON ALL NEW DEVELOPMENTS INCLUDING PRIVATE PROPERTY. NO APPROVED ASBUILTS- NO CERTIFICATE OF OCCUPANCY. ASBUILTS MUST INCLUDE UNDERGROUND WATER, SEWER, AND STORM UTILITIES AS WELL AS STORMWATER MANAGEMENT FACILITIES. IN ADDITION ASBUILTS MUST BE CERTIFIED BY A LICENSED

11. LAND DISTURBANCE APPLICATION MUST BE RECEIVED PRIOR TO CONSTRUCTION. LDP NOT REQUIRED FOR DISTURBED AREAS UNDER 1 ACRE. UNLESS: LAND DISTURBING ACTIVITY IS OCCURRING WITHIN 200 FEET OF THE BANKS OF "STATE WATERS".

ENGINEER AND OR REGISTERED SURVEYOR. 3 HARD COPIES AND 1 DIGITAL CAD DRAWING FILE.

12. ENGINEERING REQUIRES SITE. UTILITY & EROSION CONTROL DRAWINGS WITHIN 1 WEEK OF BUILDING PERMIT BEING ISSUED.



DEMOLITION NOTES:

1. THE PROJECT LIMITS EXTEND TO THE R/W LINES, PERMANENT DRAINAGE EASEMENT LINES AND TEMPORARY CONSTRUCTION EASEMENT LINES. ADDITIONAL DEMOLITION MAY BE REQUIRED TO ACCOMMODATE CONSTRUCTION.

2. CONTRACTOR SHALL RELOCATE AND/OR ADJUST WATER AND SEWER STRUCTURES AS NEEDED. ADJUST TOPS OF MANHOLES, VALVE BOXES, CLEANOUTS, ETC. TO MATCH FINISH GRADE. TRAFFIC RATED STRUCTURES SHALL BE USED IN ASPHALT OR CONCRETE.

3. THE CONTRACTOR SHALL REMOVE/RELOCATE ONLY THOSE ITEMS WITHIN THE TEMPORARY CONSTRUCTION AND PERMANENT DRAINAGE EASEMENTS DEEMED NECESSARY FOR CONSTRUCTION.

4. REMOVE EXISTING ASPHALT, CONCRETE, AND/OR CURB & GUTTER WITHIN THE OUTLINED AREAS UNLESS OTHERWISE NOTED.

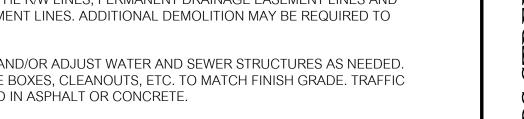
5 ASPHALT AND CONCRETE SHALL BE SAWCUT TO PROVIDE A SMOOTH TRANSITION. FOR SIDEWALK AND CURB REMOVAL, REMOVE TO THE NEAREST JOINT.

6. THE CONTRACTOR SHALL REMOVE ONLY THOSE TREES/SHRUBS WITHIN THE PROJECT LIMITS DEEMED NECESSARY FOR CONSTRUCTION, TREE PROTECTION SHALL BE USED IF WORKING WITHIN DRIP LINE OF TREES. THE CONTRACTOR SHALL MINIMIZE DAMAGE AND/OR REMOVAL OF THE ROOT SYSTEM FOR ANY REMAINING TREES /SHRUBS WITHIN OR ADJACENT TO THE CONSTRUCTION AREA.

7. THE CONTRACTOR SHALL REPAIR/REPLACE ANY DAMAGED OR DISTURBED AREAS TO PRECONSTRUCTION CONDITIONS OR BETTER.

8. EXISTING MAILBOXES TO BE RELOCATED WITHIN THE 2' CLEAR ZONE AS PER U.S.P.S. REQUIREMENTS.

9. SIGNS SHALL BE RELOCATED AS NEEDED.



M. WILSON

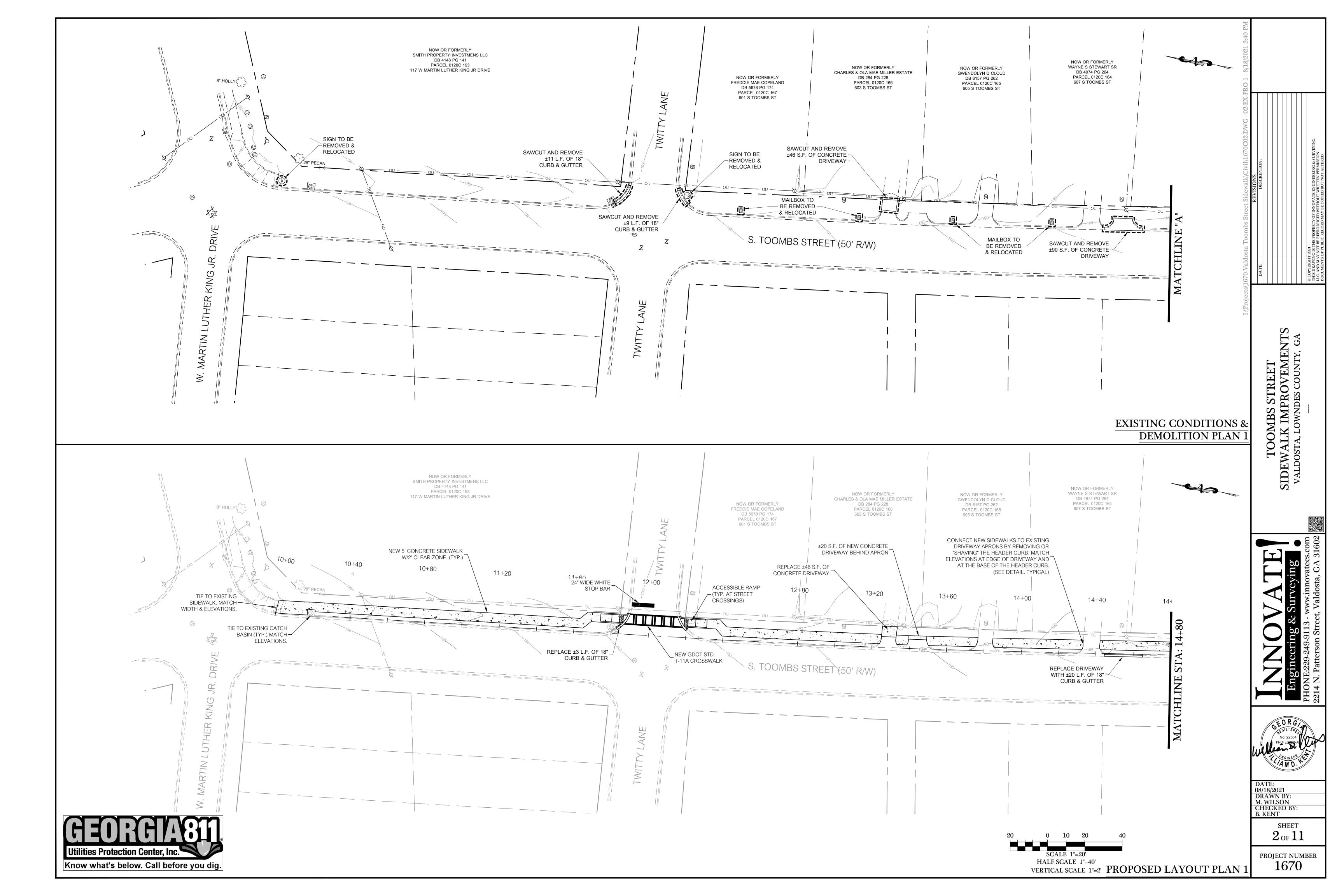
SHEET 1 of 11

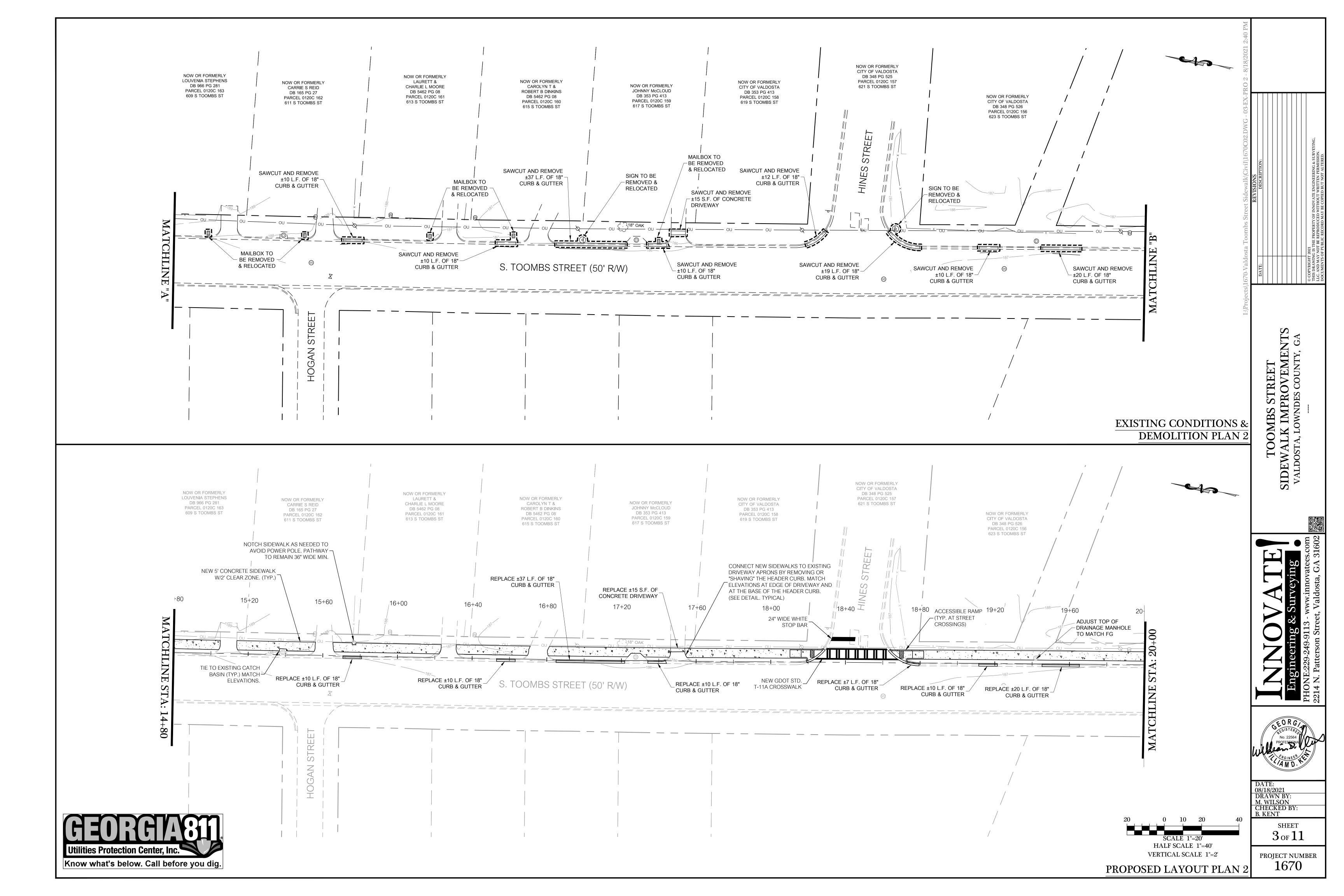
TYPICAL SECTION & GENERAL NOTES

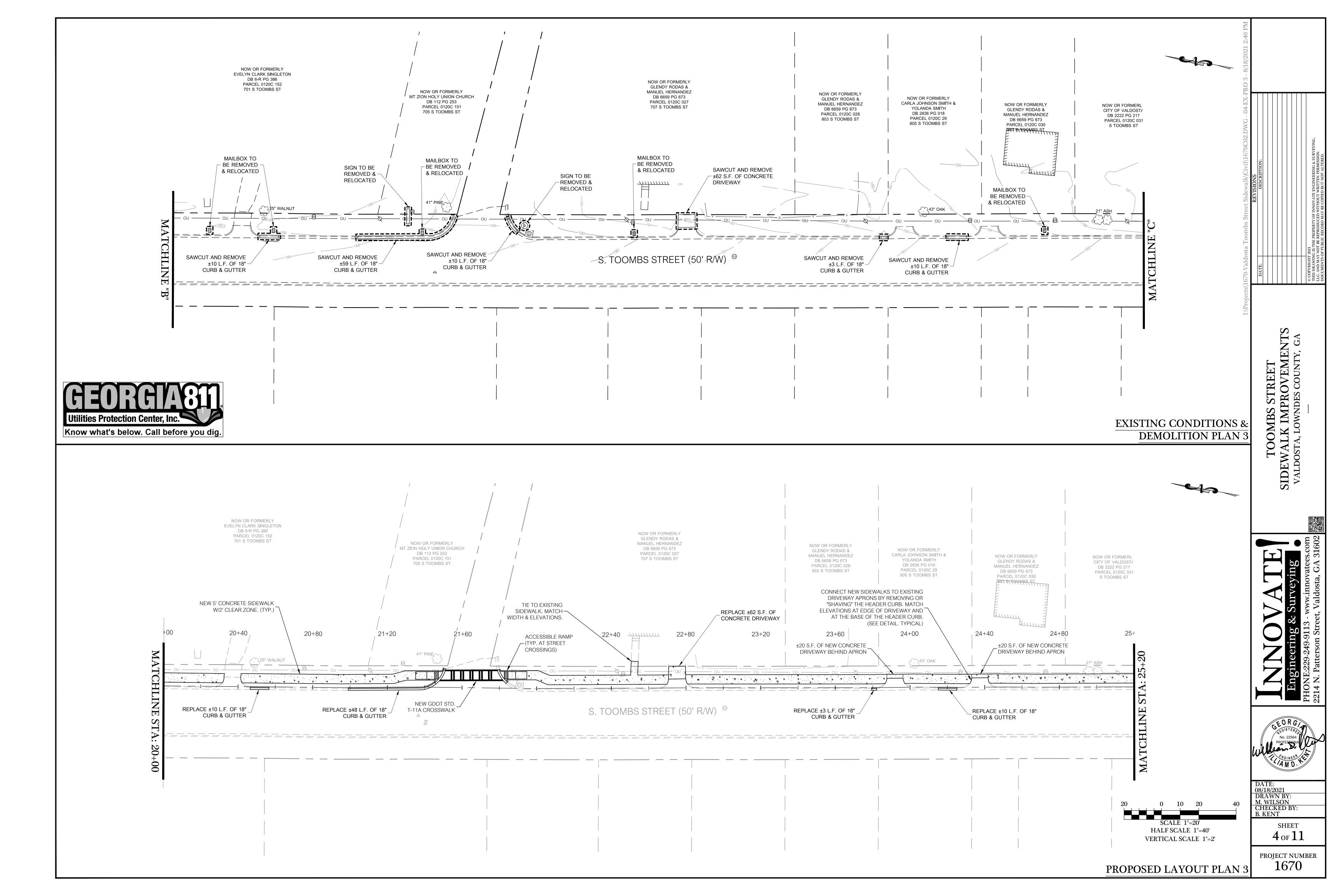
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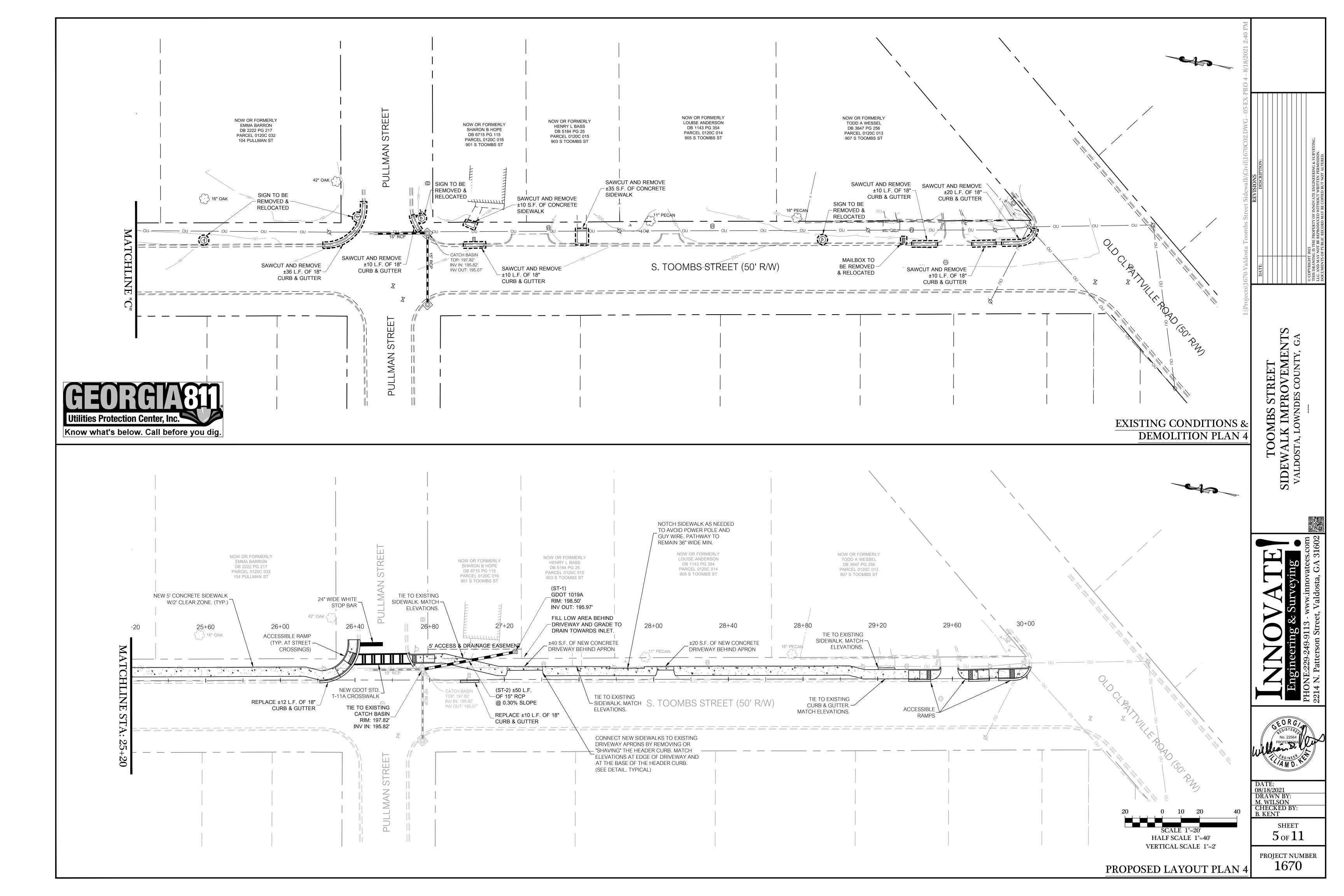
PROJECT NUMBER

1670









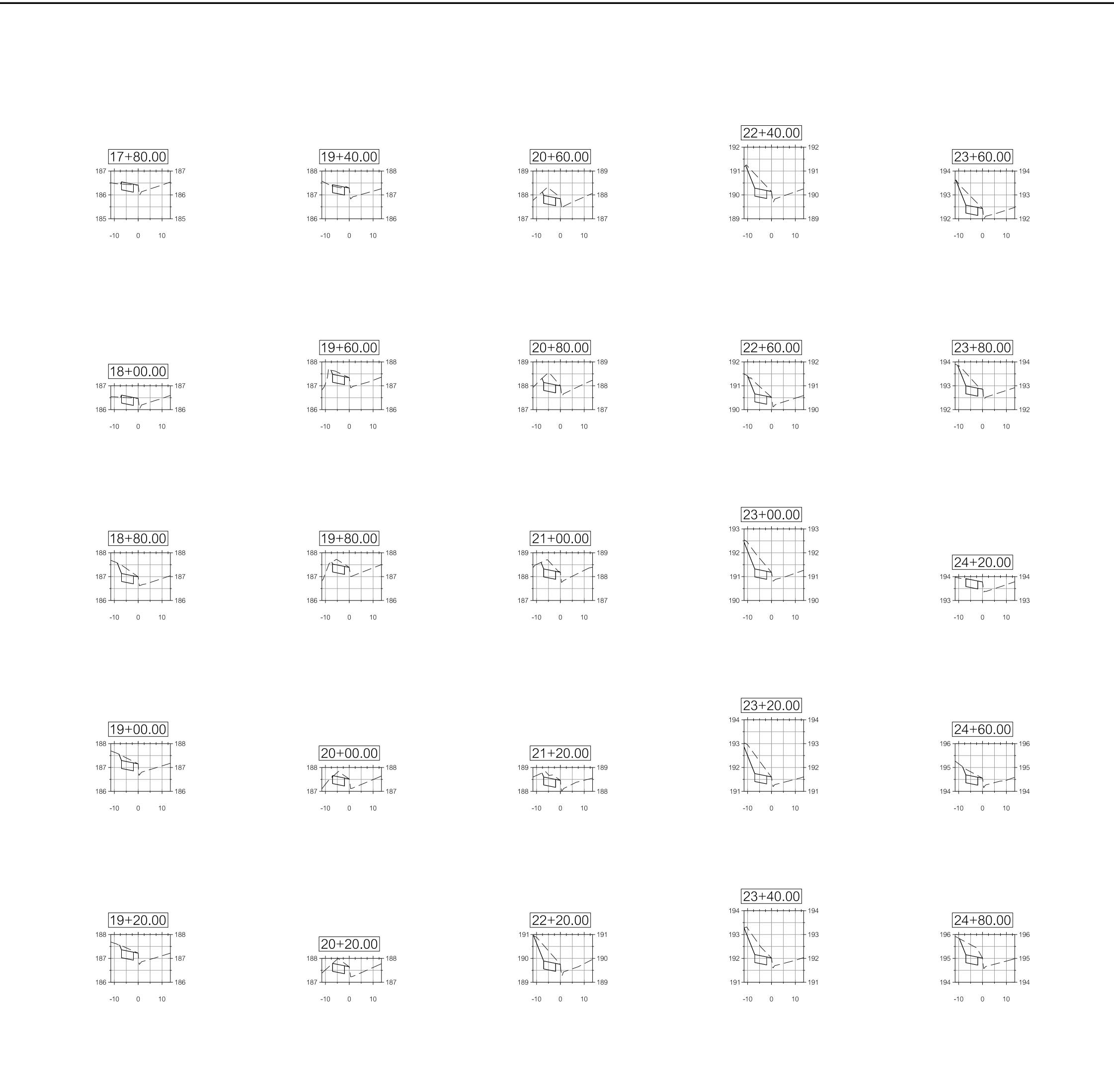
TOOMBS STREET
SIDEWALK IMPROVEMENTS
VALDOSTA, LOWNDES COUNTY, GA

DATE: 08/18/2021 DRAWN BY: M. WILSON CHECKED BY: B. KENT

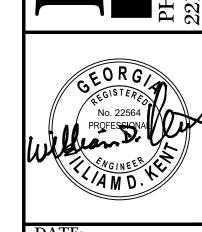
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PROJECT NUMBER 1670

HORZ. SCALE 1"=20' VERT. SCALE 1"=2'



SIDEWALE VALDOSTA, 1



DATE: 08/18/2021 DRAWN BY: M. WILSON CHECKED BY: B. KENT

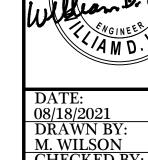
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 $7 \, \mathrm{or} \, 11$

PROJECT NUMBER 1670

HORZ. SCALE 1"=20' VERT. SCALE 1"=2'

TOOMBS STREET
SIDEWALK IMPROVEMENTS
VALDOSTA, LOWNDES COUNTY, GA

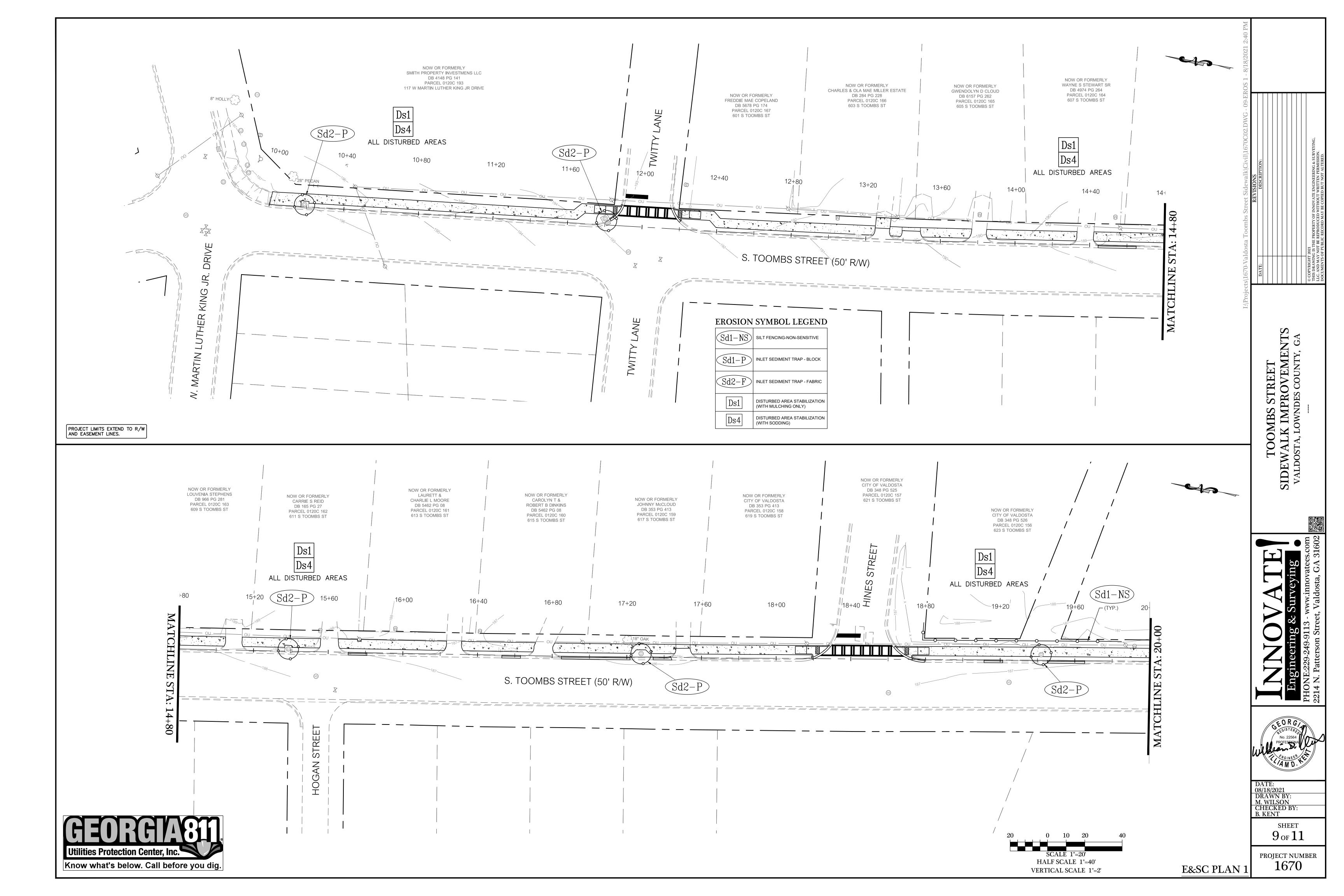


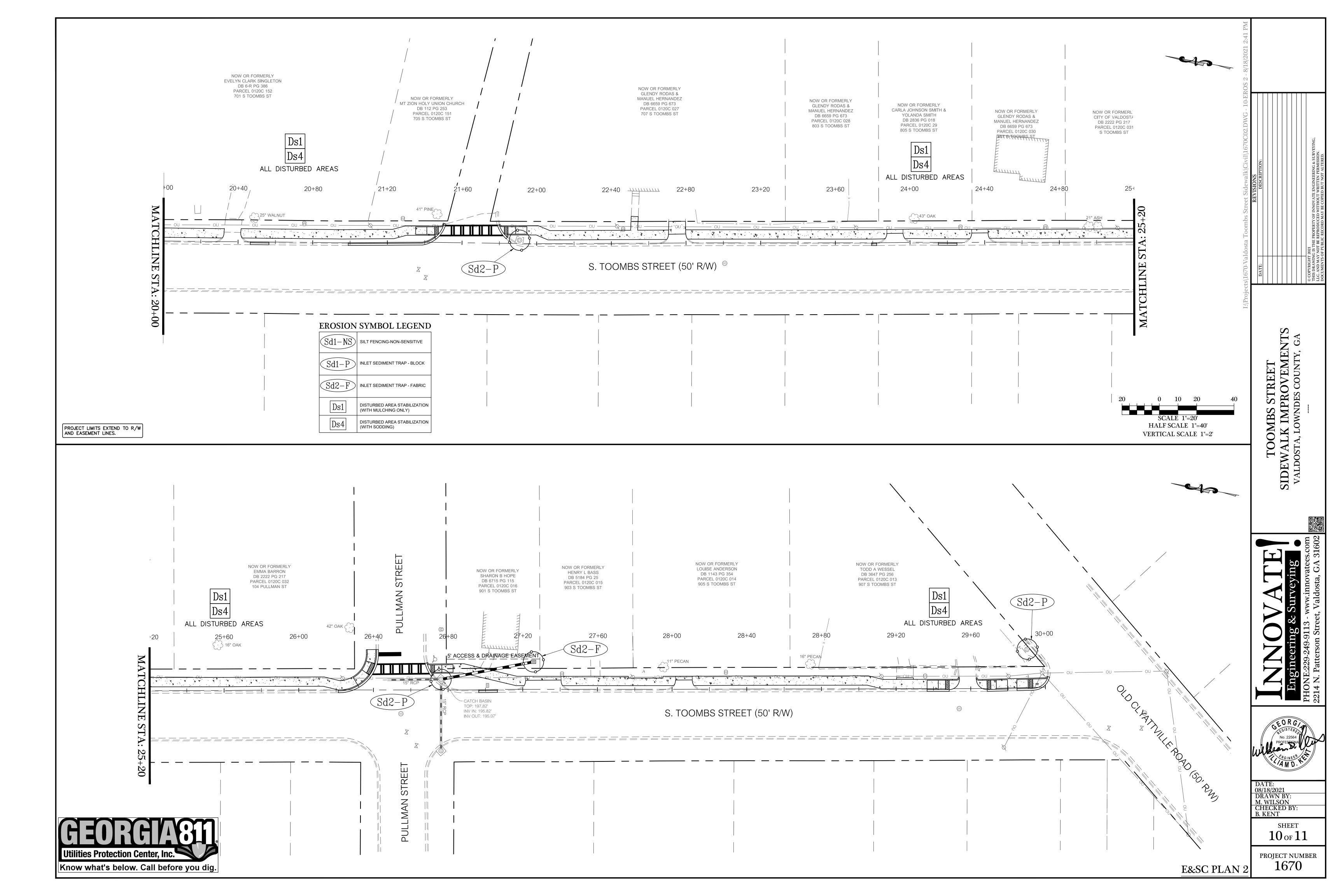
DATE: 08/18/2021 DRAWN BY: M. WILSON CHECKED BY: B. KENT

SHEET $8 \, \text{of} \, 11$

PROJECT NUMBER 1670

HORZ. SCALE 1"=20' VERT. SCALE 1"=2'





DEFINITION A TEMPORARY COVER OF PLANT RESIDUES APPLIED TO THE SOIL NOT PRACTICAL. CONDITIONS

MANAGEMENT AND IF LEFT

UNTREATED CAN CAUSE SEVERE

EROSION SEDIMENT DAMAGE.

SURFACE FOR A PERIOD OF SIX (6) MONTHS OR LESS WHEN SEEDING IS THESE AREAS USUALLY CANNOT BE STABILIZED BY ORDINARY CONSERVATION TREATMENT AND

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	SECURE WITH SOIL, ANCHORS, WEIGHTS				
CUTBACK ASPHALT	SEE MANUFACTURER'S RECOMMENDATIONS				
GEOTEXTILES, JUTE MATTING, NETTING, ETC.	SEE MANUFACTURER'S RECOMMENDATIONS				

SPECIFICATIONS A. INSTALLATION

- INSTALL ALL OTHER REQUIRED BMPs FIRST. GRADE SITE, IF POSSIBLE, TO PERMIT THE USE OF EQUIPMENT FOR APPLYING AND ANCHORING
- 3. 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. 5. MULCH ON SLOPES GREATER THAN 3% SHOULD BE ANCHORED WITH EMULSIFIED ASPHALT (GRADE AE-5 OR SS-1) OR OTHER SUITABLE TACKIFIER.
- 6. WOOD WASTE ON SLOPES FLATTER THAN 3:1 DO NOT NEED ANCHORING.
- 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.

Disturbed Area Stabilization (With

DEFINITION A PERMANENT VEGETATION USING SOD ON HIGHLY ERODIBLE OR CRITICAL ERODED LANDS.

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.

SPECIFICATIONS

- A. INSTALLATION 1. BRING SOIL SURFACE TO FINAL GRADE. CLEAR SURFACE OF TRASH, WOODY DEBRIS, STONE AND CLODS LARGER THAN 1". APPLY OD TO SOIL SURFACES ONLY AND NOT FROZEN SURFACES OR GRAVEL TYPES SOIL.
- 2. TOPSOIL PROPERLY APPLIED WILL HELP GUARANTEE A STAND. DO NOT USE TOPSOIL RECENTLY TREATED WITH HERBICIDES OR
- MIX FERTILIZER INTO SOIL SURFACE. FERTILIZE BASED ON SOIL TEST OR TABLE 1.

	TABL	E 1	
FERTI	LIZER REQUIRE	EMENTS FOR SC) L
	SURFACE API	PLICATION	
ERTILIZER TYPE	FERTILIZER RATE (LBS./ACRE)	FERTILIZER RATE (LBS./ACRE)	SEASON

0.025 FALL

1000

AGRICULTURE LIME SHOULD BE APPLIED BASED ON SOIL TESTS OR RATE OF 1 TO 2 TONS PER ACRE.

- LAY SOD WITH TIGHT JOINTS AND IN STRAIGHT LINES. DON'T OVERLAP JOINTS. STAGGER JOINTS AND DON STRETCH SOD.
- ON SLOPES STEEPER THAN 3:1, SOD SHOULD BE ANCHORED WITH PINS OR OTHER APPROVED METHODS. INSTALLED SOD SHOULD BE ROLLED OR TAMPED TO PROVIDE GOOD CONTACT BETWEEN SOD AND SOIL.
- IRRIGATE SOD AND SOIL TO A DEPTH OF 4" IMMEDIATELY AFTER INSTALLATION. SOD SHOULD NOT BE CUT OR SPREAD IN EXTREMELY WET OR
- DRY WEATHER 10. IRRIGATION SHOULD BE USED TO SUPPLEMENT RAINFALL FOR A MINIMUM OF 2-3 WEEKS. B. MATERIALS
- SOD SELECTED SHOULD BE CERTIFIED. SOD GROWN IN THE THE GENERAL AREA OF THE PROJECT IS DESIRABLE.
- SOD SHOULD BE MACHINE CUT AND CONTAIN 3/4" (±1/4") OF SOIL, NOT INCLUDING SHOOTS OR THATCH. SOD SHOULD BE CUT TO THE DESIRED SIZE WITHIN ±5%.
- TORN OR UNEVEN PADS SHOULD BE REJECTED. SOD SHOULD BE CUT AND INSTALLED WITHIN 36 HOURS OF DIGGING.
- AVOID PLANTING WHEN SUBJECT TO FROST HEAVE OR HOT WEATHER IF IRRIGATION IS NO AVAILABLE. THE SOD TYPE SHOULD BE SHOWN ON THE PLANS OR INSTALLED ACCORDING TO TABLE 2.

TABLE 2 SOD PLANTING REQUIREMENTS

		AREA	SEASON
BERMUDAGRASS	COMMON TIFWAY TIFGREEN TIFLAWN	M-L, P,C P,C P,C	WARM WEATHER
BAHIAGRASS	PENSACOLA	P,C	WARM WEATHER
CENTIPEDE		P,C	WARM WEATHER
ST. AUGUSTINE	COMMON BITTERBLUE RALEIGH	С	WARM WEATHER
ZOYSIA	EMERABLE	P,C	WARM WEATHER
TALL FESCUE	KENTUCKY 31	M-L, P,C	WARM

GRASS VARIETIES RESOURCE GROWING

C. MAINTENANCE 1. RE-SOD AREAS WHERE AN ADEQUATE STAND OF SOD IS NOT

- ORTAINED 2. NEW SOD SHOULD BE MOWED SPARINGLY. GRASS HEIGHT SHOULD NOT BE CUT LESS THAN 2"- 3" OR AS SPECIFIED.
- APPLY ONE TON OF AGRICULTURAL LIME AS INDICATED BY SOIL TEST OR EVERY 4-6 YEARS. 4. FERTILIZE GRASSES IN ACCORDANCE WITH SOIL TEST OR TABLE 3.

TABLE 3 FERTILIZER REQUIREMENTS SOD

TYPE OF SPECIES	PLANTING YEAR	FERTILIZER (N-P-K) (LBS./ACRE)	RATE	NITROGEN TOP DRESSING RATE (LBS./ACRE)
COOL SEASON SRASSES	FIRST SECOND MAINTENANCE	6-12-12 6-12-12 10-10-10	1500 1000 500	50-100 - 30
COOL SEASON SRASSES	FIRST SECOND MAINTENANCE	6-12-12 6-12-12 10-10-10	1500 800 400	50-100 50-100 30

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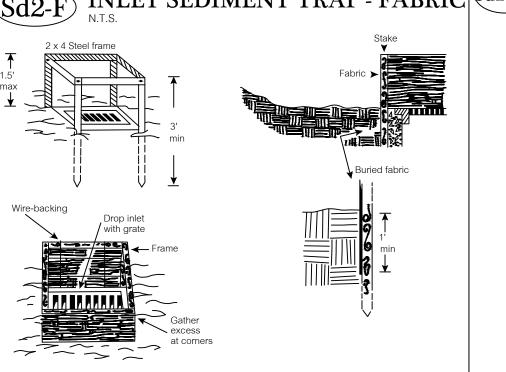
- 1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH CITY OF VALDOSTA STANDARDS AND SPECIFICATIONS.
- 2. THE CONTRACTOR IS TO VERIFY ALL ELEVATIONS OF PROPOSED STRUCTURES AND
- CURBING TO ENSURE POSITIVE DRAINAGE PRIOR TO CONSTRUCTION. 3. ALL DISTURBED AREAS ARE TO BE GRASSED AND MULCHED <u>IMMEDIATELY</u> UPON
- COMPLETION OF GRADING. 4. 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. 5. 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. 6. 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: CITY OF VALDOSTA
 - 300 N. LEE STREET

 - VALDOSTA, GA 31601
- 8. 24 HR/CONTACT: KEVIN TOLLIVER
- KTOLLIVER@VALDOSTACITY.COM PH: (229) 259-3530
- 9. 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.
- 10. 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. 11. ALL HAZARDOUS MATERIAL/WASTE SHALL BE DISPOSED OF IN THE MANNER SPECIFIED BY
- LOCAL OR BY MANUFACTURER. 12. 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. 13. SILT FENCE SHALL BE INSTALLED ON ALL DOWN SLOPES OF DISTURBED AREAS.
- 14. USE OF MULCH TO STABILIZE AREAS LEFT DISTURBED FOR MORE THAN 14 CALENDAR DAYS.

ACTIVITY SCHEDULE

	MONTHS					
ACTIVITY	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&SC MEASURES						

Sd2-F INLET SEDIMENT TRAP - FABRIC 6d1-NS SEDIMENT BARRIER-SILT FENCE

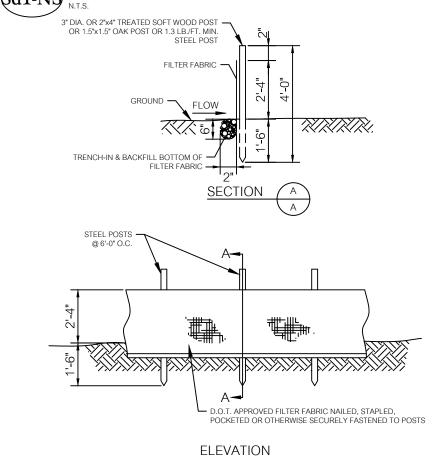


TO PREVENT SEDIMENT FROM LEAVING THE SITE, OR FROM ENTERING STORM DRAINAGE SYSTEMS, PRIOR TO

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

SEDIMENT TRAPS MAY BE CONSTRUCTED ON NATURAL GROUND SURFACE, ON AN EXCAVATED SURFACE, OR ON MACHINE COMPACTED FILL PROVIDED THEY HAVE A NON-ERODIBLE OUTLET. THIS METHOD OF INLET PROTECTION IS USED. THE STAKES SHALL BE SPACED EVENLY AROUND THE PERIMETER OF THE INLET A MAXIMUM OF 3 FEET APAR ND SECURELY DRIVEN INTO THE GROUND, APPROXIMATELY 18 INCHES DEEP. THE FABRIC SHALL BE ENTRENCHED 12 INCHES AND BACKFILLED WITH CRUSHED STONE OR COMPACTED SOIL. FABRIC AND WIRE SHALL BE SECURELY STENED TO THE POSTS, AND FABRIC ENDS MUST BE OVERLAPPED A MINIMUM OF 18 INCHES OR WRAPPED TOGETHER AROUND A POST TO PROVIDE A CONTINUOUS FABRIC BARRIER AROUND THE INLET.

MOVED, AND EITHER SALVAGED OR DISPOSED OF PROPERLY. THE DISTURBED AREA SHALL BE BROUGHT TO PROPER GRADE, THEN SMOOTHED AND COMPACTED. APPROPRIATELY STABILIZE ALL DISTURBED AREAS AROUND THE



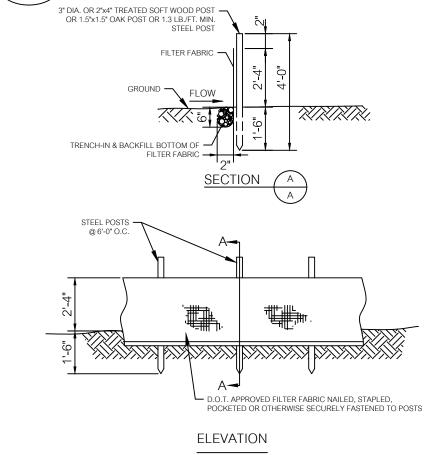
TO PREVENT SEDIMENT CARRIED BY SHEET FLOW FROM LEAVING THE SITE AND ENTERING NATURAL DRAINAGE WAYS OR

OR THE SUBMERGED AREA BEHIND THE FENCE. SILT FENCE SHALL NOT BE INSTALLED ACROSS STREAMS, DITCHES WATERWAYS, OR OTHER CONCENTRATED FLOW AREAS.

APPROVED SILT FENCE FABRICS ARE LISTED IN THE GEORGIA DOT QUALIFIED PRODUCTS LIST #36 (QPL-36). THIS 36-INCH WIDE FILTER FABRIC SHALL BE USED ON DEVELOPMENTS WHERE THE LIFE OF THE PROJECT IS GREATER THAN OR EQUAL 1

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 DETERIORATED TO SUCH AN EXTENT THAT THE EFFECTIVENESS OF THE ABRIC IS REDUCED. TEMPORARY SEDIMENT BARRIERS SHALL REMAIN IN PLACE UNTIL DISTURBED AREAS HAVE BEEN ERMANENTLY STABILIZED. ALL SEDIMENT ACCUMULATED AT THE BARRIER SHALL BE REMOVED AND PROPERLY DISPOSED

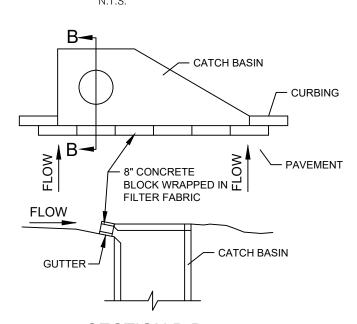
THE TRAP SHALL BE INSPECTED DAILY AND AFTER EACH RAIN AND REPAIRS MADE AS NEEDED. SEDIMENT SHALL BE REMOVED WHEN THE SEDIMENT HAS ACCUMULATED TO ONE-HALF THE HEIGHT OF THE TRAP, FOR EXCAVATED INLET SEDIMENT TRAPS, SEDIMENT SHALL BE REMOVED WHEN ONE-HALF OF THE SEDIMENT STORAGE CAPACITY HAS BEEN OST TO SEDIMENT ACCUMULATION, SEDIMENT SHALL NOT BE WASHED INTO THE INLET, IT SHALL BE REMOVED FROM HE SEDIMENT TRAP AND DISPOSED OF AND STABILIZED SO THAT IT WILL NOT ENTER THE INLET AGAIN. WHEN THE ONTRIBUTING DRAINAGE AREA HAS BEEN PERMANENTLY STABILIZED, ALL MATERIALS AND ANY SEDIMENT SHALL BE



ARRIERS SHOULD BE INSTALLED WHERE RUNOFE CAN BE STORED BEHIND THE BARRIER WITHOUT DAMAGING THE FENC CONSTRUCTION SPECIFICATION

SIX MONTHS. THE MANUFACTURER SHALL HAVE EITHER AN APPROVED COLOR MARK YARN IN THE FABRIC OR LABEL THE SIA MONTHS. THE MANOPFACTUREN SHALL HAVE ETHER AN AFFROVED COLOR MARK TAXIN IN THE PARK OR LABEL THE FABRICATED SILT FENCE WITH BOTH THE MANUFACTURER AND FABRIC NAME EVERY 100 FEET. POST INSTALLATION SHALL START AT THE CENTER OF THE LOW POINT WITH REMAINING POSTS SPACED 6 FEET APART. POSTS CAN BE WOOD OR STEE

(Sd2-P) CURB INLET FILTER "PIGS IN BLAKET"



SECTION B-B NOTE: INSTALL FILTER AFTER ANY ASPHALT PAVEMENT INSTALLATION

TO PREVENT SEDIMENT FROM LEAVING THE SITE, OR FROM ENTERING STORM DRAINAGE SYSTEMS, PRIOR TO PERMANENT STABILIZATION OF THE DISTURBED AREA. 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 SEDIMENT TRAPS MICH BE CONSTRUCTED ON NATURAL GROUND SURFACE, ON AN EXCAVATED SURFACE, OR ON MACHINE COMPACTED FILL PROVIDED THEY HAVE A NON-ERODIBLE OUTLET. THIS METHOD OF INLET PROTECTION SHALL BE REMOVED IF A SAFETY HAZARD IS CREATED. WRAP 8-INCH CONCRETE BLOCKS WITH FILTER FABRIC. LEAVE A 4-INCH GAP BETWEEN THE INLET FILTER AND THE INLET TO ALLOW FOR OVERFLOW AND PREVENT HAZARDOUS PONDING IN THE ROADWAY.

THE TRAP SHALL BE INSPECTED DAILY AND AFTER EACH RAIN AND REPAIRS MADE AS NEEDED. SEDIMENT SHALL BE REMOVED FROM CURB INLET PROTECTION IMMEDIATELY. SEDIMENT SHALL NOT BE WASHED INTO THE INLET. IT SHALL BE REMOVED FROM THE SEDIMENT TRAP AND DISPOSED OF AND STABILIZED SO THAT IT WILL NOT ENTER THE

Know what's below. Call before you dig.

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

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

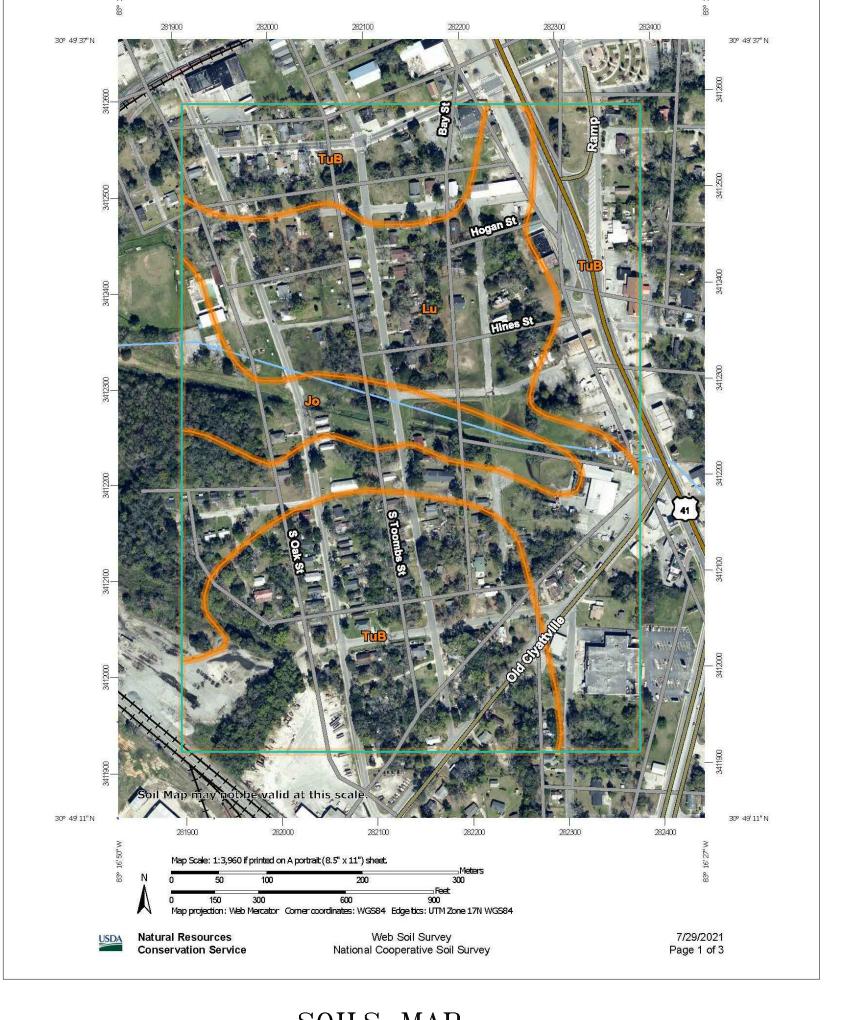
WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY SECTION 404 **PERMIT**

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

RATIONALE EXPLAINING REASON THAT 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 RIGHT-OF-WAY OF DOGWOOD DRIVE, DOGWOOD CIRCLE, DOGWOOD LAND AND CASON STREET. 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.



Soil Map-Lowndes County, Georgia

SOILS MAP

Map Unit Legend				
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI	
Jo	Johnston loam	7.5	9.4%	
Lu	Leefield-Urban land complex	32.7	40.9%	
TuB	Tifton-Urban land complex, 0 to 5 percent slopes	39.9	49.8%	
Totals for Area of Interest		80.1	100.0%	

SOILS LEGEND

TOTAL SITE AREA: ±0.55 AC. TOTAL DISTURBED AREA: ±0.49 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-FEET 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.

"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. GAR100002."

"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 judgement, utilizing the factors required in the General NPDES Permit No. GAR 100002, 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)/303d list documents have been consulted to determin if the project discharges to an impaired stream segment or within 1 mile of a biota impaired stream segment."



 $11 \, \text{OF} \, 11$ PROJECT NUMBER 1670

SHEET

LEVEL II CERT. 8141

DRAWN BY

M. WILSON

B. KENT

CHECKED BY:

E&SC DETAIL