

CONSTRUCTION PLANS

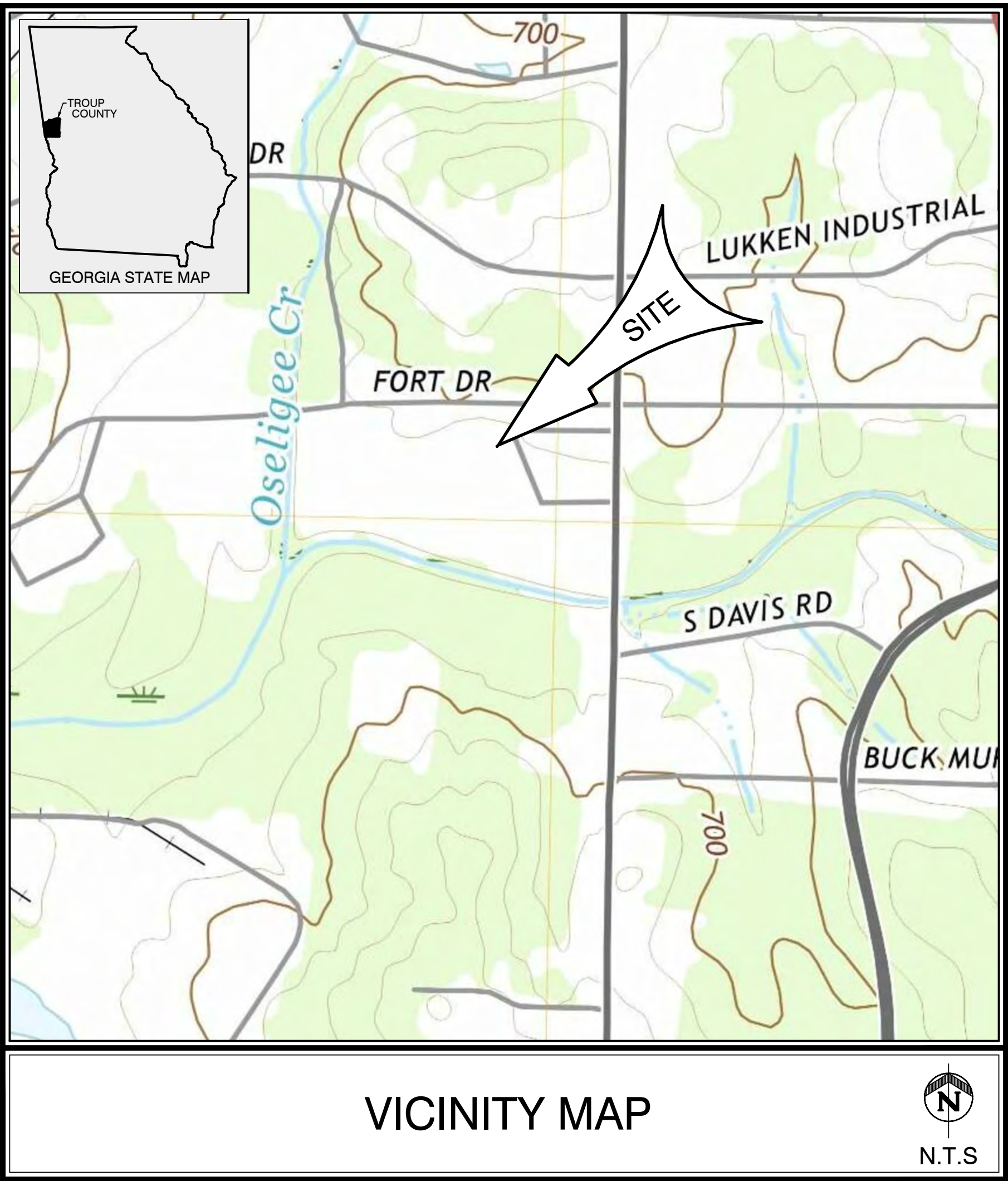
WHITESVILLE ROAD SOCCER COMPLEX

PLANS PREPARED: 10/06/2023

**OWNER:**  
TROUP COUNTY BOARD OF COMMISSIONERS  
100 RIDLEY AVENUE  
LAGRANGE, GA 30240  
(706) 298-3792  
CONTACT: JAMES ANDERSON

**ENGINEER / SURVEYOR:**  
HARRIS GRAY LLC  
824 3RD AVENUE  
WEST POINT, GA 31833  
706-645-5885  
CONTACT: SCOTT HARRIS, P.E.

**24 HOUR LOCAL CONTACT:**  
JAMES ANDERSON - (706) 298-3792



LAND LOT 179TH, DISTRICT 6TH  
TROUP, GEORGIA.  
(TROUP COUNTY)  
33.010278 N (33°00'37") 85.029167 W (-85°01'45")

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Know what's below.  
Call before you dig.



**HARRIS GRAY, LLC**  
ENGINEERS • SURVEYORS • PLANNERS  
CERTIFICATE OF AUTHORIZATION NO: PEF006540  
824 THIRD AVENUE • WEST POINT, GEORGIA 31833  
PHONE: (706) 645 - 5885



GENERAL PROVISIONS

- ALL WORK SHALL COMPLY WITH APPLICABLE STATE, FEDERAL AND LOCAL CODES, AND ALL NECESSARY LICENSES AND PERMITS SHALL BE OBTAINED BY THE CONTRACTOR AT HIS EXPENSE UNLESS PREVIOUSLY OBTAINED BY THE OWNER. CONTRACTOR SHALL ABIDE BY ALL CONDITIONS CONTAINED THERIN.
- ALL WORK SHALL BE PERFORMED IN A FINISHED AND WORKMAN LIKE MANNER TO THE ENTIRE SATISFACTION OF THE OWNER AND IN ACCORDANCE WITH THE BEST RECOGNIZED TRADE PRACTICES.
- DEVIATIONS FROM THE PLANS WITHOUT THE PRIOR CONSENT OF THE OWNER OR HIS REPRESENTATIVES MAY BE CAUSE FOR THE WORK TO BE UNACCEPTABLE.
- ALL MATERIALS SHALL BE NEW, UNLESS USED OR SALVAGED MATERIALS ARE AUTHORIZED BY THE OWNER AND APPROPRIATE AUTHORITIES. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ENGINEER AND COUNTY/CITY APPROVAL PRIOR TO PROCUREMENT OF MATERIALS.
- THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY BARRICADES AROUND THE WORK AND SHALL PROVIDE PROTECTION AGAINST WATER DAMAGE AND SOIL EROSION.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE LOCATION OF ALL EXISTING UNDERGROUND UTILITIES AND TO TAKE WHATEVER STEPS NECESSARY TO PROVIDE FOR THEIR PROTECTION. THE ENGINEER HAS DILIGENTLY ATTEMPTED TO LOCATE AND INDICATE ALL EXISTING FACILITIES ON THESE PLANS; HOWEVER, THIS INFORMATION IS SHOWN FOR THE CONTRACTOR'S CONVENIENCE ONLY AND IS NOT OWNER GUARANTEED. IN THE EVENT OF DAMAGE TO EXISTING UTILITIES, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REPAIRS AND RELATED EXPENSES.
- THE CONTRACTOR IS TO CONTACT THE UTILITY COMPANIES FOR EXACT LOCATION OF THEIR UTILITIES PRIOR TO STARTING CONSTRUCTION.
- CONTRACTOR SHALL COORDINATE LOCATION AND INSTALLATION OF ALL UNDERGROUND UTILITIES AND APPURTENANCES TO MINIMIZE DISTURBING CURBING, PAVING, AND COMPACTED SUBGRADE. ALL UNDERGROUND UTILITIES, INCLUDING THOSE INSTALLED BY OTHERS (ELECTRICAL CONDUIT, GAS, TELEPHONE, WATER, SANITARY, SEWER AND ANY OTHER MISCELLANEOUS) SHALL BE IN-PLACE PRIOR TO THE PLACEMENT OF BASE COURSE MATERIAL IF POSSIBLE.
- IF THE CONTRACTOR, IN THE COURSE OF WORK, FINDS ANY DISCREPANCY BETWEEN THE PLANS AND THE PHYSICAL CONDITIONS OF THE LOCALITY, OR ANY ERRORS OR OMISSIONS IN THE PLANS OR THE LAYOUT AS GIVEN BY THE ENGINEER, IT SHALL BE HIS DUTY TO IMMEDIATELY INFORM THE ENGINEER, IN WRITING, AND ENGINEER WILL PROMPTLY VERIFY THE SAME. ANY WORK DONE AFTER SUCH DISCOVERY, UNTIL AUTHORIZED, WILL BE AT THE CONTRACTOR'S RISK.
- IT SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IF HISTORICAL ARTIFACTS OR ENDANGERED SPECIES OF PLANTS ARE ENCOUNTERED DURING CONSTRUCTION.
- THE CONTRACTOR SHALL PROVIDE SHEETING AND SHORING FOR ALL TRENCH CONSTRUCTION IN ACCORDANCE WITH O.S.H.A. GUIDELINES. THERE SHALL BE NO OPEN TRENCHES AT THE END OF THE DAYS WORK.
- CONTRACTOR SHALL MAINTAIN ACCESS FOR EMERGENCY VEHICLES AROUND AND TO ALL BUILDINGS UNDER CONSTRUCTION. IN TIMES OF RAIN OR MUD, ROADS SHALL BE ABLE TO CARRY A FIRE TRUCK BY BEING PAVED OR HAVING A CRUSHED STONE BASE WITH A MINIMUM WIDTH OF 25 FEET. THIS ACCESS TO BUILDINGS THAT HAVE SPRINKLER OR STANDPIPE SYSTEMS SHALL BE TO WITHIN 40 FEET OF THE FIRE DEPARTMENT CONNECTOR. (NFPA 1141 3-1 AND GOFD-15)
- CONTRACTOR SHALL PROVIDE THE OWNER AND ENGINEER WITH A CONSTRUCTION SCHEDULE FOR THE WORK.

EARTHWORK/GRADING

- EARTHWORK AND GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THE GEOTECHNICAL ENGINEER'S SPECIFICATIONS AND RECOMMENDATIONS, OR WITH SECTIONS 200-201 OF AL DOT'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IF NOT COVERED BY THE GEOTECHNICAL ENGINEER'S SPECIFICATIONS, EXCEPT AS OTHERWISE NOTED.
- MAXIMUM SLOPE FOR CUT OR FILL IS 2H: 1V. ANY SLOPES AT 2:1 OR STEEPER SHALL BE STABILIZED WITH APPROPRIATELY DESIGNED SLOPE MATTING.
- THE FOLLOWING CLASSIFICATIONS WILL BE USED FOR DESCRIBING DIFFICULT EXCAVATION MATERIAL.
  - TRENCH ROCK - ANY MATERIAL THAT CANNOT BE EXCAVATED WITH A TRACKED BACKHOE HAVING A BUCKET CURLING FORCE OF AT LEAST 30,000 POUNDS (CATERPILLAR 320 OR EQUIVALENT) AND OCCUPYING AN IN-PLACE VOLUME OF AT LEAST 0.5 CUBIC YARDS
  - DIFFICULT EXCAVATION - ANY MATERIAL THAT CANNOT BE REMOVED BY NORMALLY USED GRADING EQUIPMENT, AND REQUIRES THE USE OF A SINGLE-TOOTH RIPPER ATTACHED TO A DOZER HAVING A DRAW BAR PULL OF AT LEAST 90,000 POUNDS (CATERPILLAR D-8 OR EQUIVALENT) AND OCCUPIES AN IN-PLACE VOLUME OF AT LEAST ONE CUBIC YARD.
  - BLAST ROCK - ANY MATERIAL THAT CANNOT BE RIPPED WITH A SINGLE-TOOTHED RIPPER ATTACHED TO A DOZER HAVING A DRAW BAR PULL OF AT LEAST 90,000 POUNDS (CATERPILLAR D-8 OR EQUIVALENT) AND OCCUPIES AN IN-PLACE VOLUME OF AT LEAST ONE CUBIC YARD.
- EXCESS EARTH CUT MATERIALS, UNSUITABLE MATERIALS OR ROCK, IF ANY, SHALL BE PLACED AT A LOCATION ON OR NEAR THE SITE AS DESIGNATED BY THE OWNER.
- STRIP EXISTING TOPSOIL FROM AREAS THAT WILL BE EXCAVATED OR GRADED PRIOR TO COMMENCEMENT OF EXCAVATION OR GRADING AND PLACE IN WELL DRAINED STOCKPILES AT LOCATIONS APPROVED BY THE OWNER AND/OR ENGINEER.
- BASE MATERIAL SHALL BE CLEANED, SHAPED AND INSPECTED BEFORE ASPHALT LAYER IS ADDED.
- ELEVATIONS SHOWN ON THE PROFILES ARE CENTERLINE PAVEMENT ELEVATIONS, MEASURED TO THE TOP OF FINISHED PAVEMENT, UNLESS OTHERWISE NOTED.
- ALL OFFSITE DISTURBED AREAS SHALL BE RESTORED TO PRECONSTRUCTION CONDITION OR BETTER.
- CONTRACTOR IS RESPONSIBLE FOR DISPOSING OF ALL WASTE MATERIALS CONSISTENT WITH REGULATIONS APPLICABLE TO THE MATERIALS.

STORMWATER

- STORM SEWER PIPE SHALL BE CIRCULAR, REINFORCED CONCRETE OR ALL ALLOWABLE PIPE MATERIAL, WALL B, CLASS III PIPE OR APPROVED EQUAL WITH A MAXIMUM "n" VALUE OF 0.013.
- END TREATMENT SHALL BE REINFORCED CONCRETE HEADWALLS, OR APPROVED EQUAL, SIZED TO MATCH THE STORM SEWER PIPE.
- ALL DRAINAGE PIPE LENGTHS SHOWN ON THE PLANS ARE HORIZONTAL MEASUREMENTS FOR CENTER-TO-CENTER OF THE RELATED STRUCTURES.
- ALL PROPOSED DRAINAGE STRUCTURES SHALL CONFORM TO THE GOVERNING JURISDICTION OR ALABAMA DEPARTMENT OF TRANSPORTATION (ALDOT) STANDARD DETAILS UNLESS NOTED OTHERWISE.
- ALL PIPES UNDER PAVEMENTS: TRENCHED BACKFILL SHALL BE MECHANICALLY TAMPED FOR THE ENTIRE DEPTH OF TRENCH TO 95% STANDARD PROCTER. THE UPPER 12" SHALL BE COMPACTED TO A MINIMUM OF 98% STANDARD PROCTER. REFER TO THE CITY OF WEST POINT STANDARD SPECIFICATIONS AS NECESSARY.

GEOTECHNICAL

- SOILS TESTING AND ON-SITE INSPECTION MAY BE PERFORMED BY AN INDEPENDENT GEOTECHNICAL ENGINEER SELECTED AND PAID BY THE OWNER. IN THE EVENT OF CONFLICT BETWEEN THE INSTRUCTIONS BY THE ENGINEER AND RECOMMENDATIONS PROVIDED BY THE OWNERS GEOTECHNICAL ENGINEER, THE CONTRACTOR WILL ADHERE TO THE MOST STRINGENT.
- CONTRACTOR SHALL PROVIDE ANY EXCAVATION AND MATERIAL SAMPLES NECESSARY TO CONDUCT REQUIRED SOIL TESTS. ALL ARRANGEMENTS AND SCHEDULING FOR TESTING SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
- GEOTECHNICAL ENGINEER SHALL PROVIDE COPIES OF TEST REPORTS TO THE CONTRACTOR, THE OWNER, AND THE OWNERS REPRESENTATIVE AND SHALL NOTIFY THE OWNER, HIS REPRESENTATIVE AND THE CONTRACTOR PROMPTLY SHOULD WORK PERFORMED BY THE CONTRACTOR FAIL TO MEET THESE SPECIFICATIONS.
- MOISTURE-DENSITY RELATIONSHIPS (STANDARD PROCTOR) SHALL BE DETERMINED FOR EACH SOIL TYPE ENCOUNTERED ONSITE TO PROVIDE DATA FOR QUALITY CONTROL. THE GEOTECHNICAL ENGINEER SHALL REVIEW THE TEST RESULTS AND ADVISE ON THE SUITABILITY OF THE PROPOSED FILL MATERIAL. THE MOISTURE CONTENT AT THE TIME OF COMPACTION SHALL BE WITHIN 3 PERCENTAGE POINTS OF OPTIMUM MOISTURE CONTENT.
- SUITABLE FILL MATERIAL SHALL BE FREE OF ORGANICS, STONES GREATER THAN ONE INCH IN DIAMETER, OR OTHER DELETERIOUS MATERIAL AS DETERMINED BY THE GEOTECHNICAL ENGINEER. SOILS MIXED WITH BLAST ROCK SHALL GENERALLY NOT BE CONSIDERED SUITABLE.
- ALL FILLS SHALL BE COMPLETED IN LIFTS NOT TO EXCEED EIGHT INCHES IN LOOSE THICKNESS. EACH LIFT SHALL BE COMPACTED UTILIZING APPROPRIATE MECHANICAL MEANS.
  - UNDER STRUCTURES, BUILDING SLABS, STEPS, AND PAVEMENTS, COMPACT THE TOP 12 INCHES BELOW SUBGRADE AT 98 PERCENT MAXIMUM DRY DENSITY, AND EACH LAYER OF BACKFILL OR FILL MATERIAL AT 95 PERCENT MAXIMUM DRY DENSITY.
  - UNDER WALKWAYS, COMPACT THE TOP 6 INCHES BELOW THE SUBGRADE AND EACH LAYER OF BACKFILL OR FILL MATERIAL AT 95 PERCENT MAXIMUM DRY DENSITY.
  - UNDER LAWN OR UNPAVED AREAS, COMPACT THE TOP 6 INCHES BELOW SUBGRADE AND EACH LAYER OF BACKFILL OR FILL MATERIAL AT 95 PERCENT MAXIMUM DENSITY.
- COMPACT SOIL TO NOT LESS THAN THE FOLLOWING PERCENTAGES OF MAXIMUM DRY DENSITY ACCORDING TO ASTM D 698, AASHTO T-99:
  - UNDER STRUCTURES, BUILDING SLABS, STEPS, AND PAVEMENTS, COMPACT THE TOP 12 INCHES BELOW SUBGRADE AT 98 PERCENT MAXIMUM DRY DENSITY, AND EACH LAYER OF BACKFILL OR FILL MATERIAL AT 95 PERCENT MAXIMUM DRY DENSITY.
  - UNDER WALKWAYS, COMPACT THE TOP 6 INCHES BELOW THE SUBGRADE AND EACH LAYER OF BACKFILL OR FILL MATERIAL AT 95 PERCENT MAXIMUM DRY DENSITY.
  - UNDER LAWN OR UNPAVED AREAS, COMPACT THE TOP 6 INCHES BELOW SUBGRADE AND EACH LAYER OF BACKFILL OR FILL MATERIAL AT 95 PERCENT MAXIMUM DENSITY.

WATER

- CONTRACTOR SHALL COORDINATE WITH THE UTILITY PROVIDER FOR THE WATER TAPPING CONNECTION.
- ALL PIPES UNDER PAVEMENTS: TRENCHED BACKFILL SHALL BE MECHANICALLY TAMPED FOR THE ENTIRE DEPTH OF TRENCH TO 95% STANDARD PROCTER. THE UPPER 12" SHALL BE COMPACTED TO A MINIMUM OF 98% STANDARD PROCTER.
- ALL OTHER TRENCH BACKFILL SHALL BE BACKFILLED AT A MINIMUM OF 90% STANDARD PROCTER UNLESS OTHERWISE SPECIFIED. IF THE TRENCH SETTLES THE CONTRACTOR AT HIS ON EXPENSE SHALL REFILL AND GRADE THE SURFACE TO CONFORM TO THE ADJACENT SURFACES.
- MINIMUM COVER OVER WATER MAINS SHALL BE 48 INCHES.
- ALL WORK SHALL CONFORM TO THE LOCAL JURISDICTION WATER SYSTEM STANDARD FOR DESIGN AND CONSTRUCTION SPECIFICATIONS. CONTRACTOR IS TO USE STANDARDS AND DRAWINGS THAT WERE CURRENT AT THE TIME THE PLANS WERE APPROVED BY.

SANITARY SEWER

- CONTRACTOR SHALL COORDINATE WITH THE UTILITY PROVIDER FOR THE SEWER CONNECTION.
- THE VERTICAL LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THE PLAN AND PROFILE SHEETS HAVE BEEN ASSUMED. THE CONTRACTOR SHALL EXERCISE CAUTION DURING EXCAVATION NEAR EXISTING UTILITIES SHOWN ON THE PLANS AND NOTIFY THE ENGINEER IF THE LOCATION DIFFERS FROM THAT SHOWN ON THE THE PLANS BEFORE CONTINUING WITH CONSTRUCTION.
- THE CONTRACTOR SHALL, BEFORE LAYING, JACK AND BORING, AND OR TRENCHING PIPE, LOCATE, POTHOLE, AND VERIFY EXISTING UTILITIES ELEVATIONS ALONG THE PROPOSED CONSTRUCTION ROUTE AND VERIFY THAT THESE UTILITIES ARE NOT IN CONFLICT WITH THE PROPOSED UTILITY PLACEMENT. THE POINTS OF CONNECTION TO THE EXISTING INFRASTRUCTURE SHALL BE UNCOVERED TO CONFIRM THE ELEVATION AND POINT OF CONNECTION TO BE MADE PRIOR TO LAYING, TRENCHING, OR JACK AND BORING PIPE.
- EXISTING UTILITIES SHOWN ON THE PLANS HAVE BEEN SHOWN, BASED ON THE BEST INFORMATION AVAILABLE, WITHOUT EXPLORATORY EXCAVATIONS. THE CONTRACTOR SHALL LOCATE ALL EXISTING UTILITIES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. ANY AND ALL DISCREPANCIES WITH THE PLANS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER FOR HIS RESOLUTION.
- ALL PIPES UNDER PAVEMENTS: TRENCHED BACKFILL SHALL BE MECHANICALLY TAMPED FOR THE ENTIRE DEPTH OF TRENCH TO 95% STANDARD PROCTER. THE UPPER 12" SHALL BE COMPACTED TO A MINIMUM OF 98% STANDARD PROCTER.
- ALL OTHER TRENCH BACKFILL SHALL BE BACKFILLED AT A MINIMUM OF 90% STANDARD PROCTER UNLESS OTHERWISE SPECIFIED. IF THE TRENCH SETTLES THE CONTRACTOR AT HIS ON EXPENSE SHALL REFILL AND GRADE THE SURFACE TO CONFORM TO THE ADJACENT SURFACES.
- MANHOLE INVERTS SHALL BE SMOOTH AND SHALL CLOSELY APPROXIMATE THE PIPE USED IN SIZE, SHAPE, AND SMOOTHNESS. THE MANHOLE FLOOR SHALL BE SLOPED 12:2 TO DRAIN ALL WATER TO THE INVERT. INVERTS ARE TO BE SOLID CONCRETE.
- ALL MANHOLES LESS THAN 2.0' ABOVE THE 100 YEAR FLOOD PLAIN WILL BE HAVE BOLT DOWN/WATER TIGHT MANHOLE FRAME AND COVER.
- THE SERVICE LINE SHALL BE A MINIMUM OF SIX (6) INCHES ABOVE THE INVERT OF THE MANHOLE OR FLOW LINE OF OUTGOING PIPE.
- EACH LOT SHALL HAVE A SEWER CLEAN-OUT INSTALLED AT THE RIGHT-OF-WAY LINE.





































EROSION AND SEDIMENT CONTROL

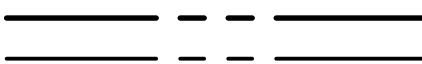
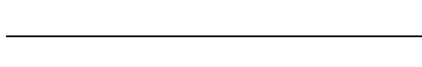
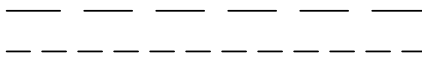
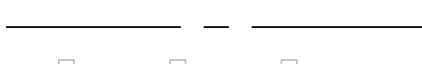
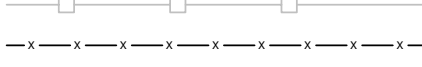




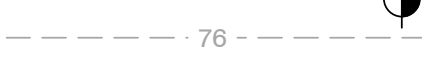
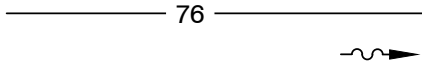
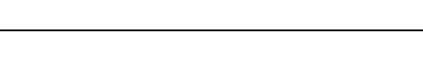



- SEE "EROSION SEDIMENT AND POLLUTION CONTROL PLAN," NOTES AND DETAILS SHEETS, FOR ADDITIONAL EROSION AND SEDIMENT CONTROL NOTES.
- CONSTRUCTION EXIT PADS SHALL BE INSTALLED BY THE CONTRACTOR AT EACH CONSTRUCTION ACCESS POINT.
- EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED AT ALL TIMES. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IF DEEMED NECESSARY BY ON-SITE INSPECTION.
- PROVISIONS TO PREVENT EROSION OF THE SOIL FROM THE SITE SHALL CONFORM TO THE REQUIREMENTS OF THE ALABAMA HANDBOOK FOR "EROSION CONTROL, SEDIMENT CONTROL AND STORMWATER MANAGEMENT ON CONSTRUCTION SITES AND URBAN AREAS," LATEST EDITION AND SHALL BE FOLLOWED AND INSTALLED IN A MATTER SO AS TO MINIMIZE EROSION OF THE DISTURBED AREAS AND PREVENT SEDIMENT FROM LEAVING THE SITE.
- THE CONTRACTOR WILL BE REQUIRED TO INCORPORATE ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES INTO THE PROJECT AT THE EARLIEST PRACTICABLE TIME DURING CONSTRUCTION. THE EROSION CONTROL MEASURES DETAILED HEREON SHALL BE CONTINUED UNTIL THE GRASS ON PLANTED SLOPES IS SUFFICIENTLY ESTABLISHED TO BE AN EFFECTIVE EROSION DETERRENT. THE SEDIMENT REMOVED FROM THE CONTROL STRUCTURES SHALL BE EVENLY DISTRIBUTED INSIDE CONSTRUCTION LIMITS. DISPOSED SEDIMENT SHALL BE PERMANENTLY GRASSED.
- TEMPORARY AND PERMANENT VEGETATIVE COVER SHALL BE INSTALLED PER THE "EROSION SEDIMENT AND POLLUTION CONTROL PLANS" FOR THIS PROJECT.
- ALL EROSION AND SEDIMENT CONTROL MEASURES MUST REMAIN IN PLACE UNTIL FINAL STABILIZATION IS ESTABLISHED, AS SHOWN ON THE "EROSION SEDIMENT AND POLLUTION CONTROL PLANS."

DAMS AND EMBANKMENTS

- ALL DAM AND EMBANKMENT CONSTRUCTION SHALL BE MONITORED BY THE GEOTECHNICAL ENGINEER.
- IN AREAS WHERE DAMS OR EMBANKMENTS ARE PROPOSED THE SITE SHALL BE STRIPPED OF ALL EXISTING TOPSOIL, VEGETATION, AND ROOTS.
- WHERE POSSIBLE, CLEARING AND GRUBBING SHALL EXTEND 50 FEET BEYOND THE DOWNSTREAM TOE OF THE PROPOSED EMBANKMENT TO ALLOW FOR ACCESS AND CLEARANCE FOR FUTURE INSPECTIONS.
- AT THE COMPLETION OF CLEARING AND GRUBBING ACTIVITIES, THE FOOTPRINT OF THE PROPOSED EMBANKMENT SHALL BE PROOFROLLED USING A FULLY LOADED TRI-AXEL DUMP TRUCK, 20 TON ROLLER, OR OTHER SIMILAR EQUIPMENT.
- ANY AREAS WHICH PUMP OR RUT EXCESSIVELY AND CANNOT BE DENSIFIED BY CONTINUED ROLLING, SHOULD BE UNDERCUT AND REPLACED WITH STRUCTURAL FILL TO AT LEAST 10 FEET OUTSIDE OF THE EMBANKMENT FOOTPRINT.
- SURFACE WATER CONTROL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL EMPLOY MEASURES TO KEEP SURFACE WATER AWAY FROM CONSTRUCTION EXCAVATIONS AND FILLS.
- SHOULD DEWATERING ACTIVITIES BE REQUIRED DURING CONSTRUCTION, THE CONTRACTOR SHALL BE REQUIRED TO PREPARE AND SUBMIT A SURFACE WATER AND GROUNDWATER CONTROL PLAN TO THE GEOTECHNICAL ENGINEER. THIS PLAN MUST BE REVIEWED AND APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO THE COMMENCEMENT OF DEWATERING ACTIVITIES.
- CONTRACTOR SHALL INSTALL TOE DRAINS ALONG ANY EMBANKMENTS AND DAMS IN ACCORDANCE WITH THE CONSTRUCTION PLANS.
- TOE DRAIN OUTLETS SHALL BE CONSTRUCTED IN SUCH A MANNER AS TO ALLOW FOR THE MEASUREMENT OF SEEPAGE FLOWS THROUGH THESE DRAINS.
- EMBANKMENTS SHALL BE CONSTRUCTED WITH A SLOPE OF 3:1 OR FLATTER, UNLESS NOTED OTHERWISE.
- THE CONTRACTOR SHALL COORDINATE WITH THE GEOTECHNICAL ENGINEER ON THE PLACEMENT AND OR MIXING OF ALL PROPOSED FILL MATERIALS.
- IN GENERAL, STRUCTURAL FILLS SHALL HAVE A LIQUID LIMIT LESS THAN 50, PLASTIC INDEX LESS THAN 30 AND A STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D 698) GREATER THAN 90 PCF.
- STRUCTURAL FILLS SHOULD BE COMPACTED TO AT LEAST 95 PERCENT OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D 698).
- STRUCTURAL FILLS SHALL BE PLACED IN A MAXIMUM OF 8 INCH THICK LOOSE HORIZONTAL LIFTS AND COMPACTED TO THE SPECIFIED COMPACTION.
- STRUCTURAL FILL LIFTS SHALL NOT BE LEFT IN A SMOOTH CONDITION PRIOR TO THE PLACEMENT OF THE SUBSEQUENT LIFT. ANY SMOOTH SURFACE LIFTS SHALL BE LIGHTLY SCARIFIED PRIOR TO THE PLACEMEN OF THE NEXT LIFT.
- SHOULD AN EXPOSED FILL SURFACE BECOME EXCESSIVELY WET OR DRY DURING BREAKS IN GRADING ACTIVITIES, THE CONTRACTOR SHALL, AT THE DIRECTION OF THE GEOTECHNICAL ENGINEER, EITHER REMOVE THESE MATERIALS OR SCARIFY THE MATERIALS AND RE-COMPACT THEM IN PLACE PRIOR TO THE PLACEMENT OF SUBSEQUENT LIFTS.
- THE AMOUNT AND LOCATION OF REQUIRED DENSITY TESTS SHALL BE DETERMINED BY THE GEOTECHNICAL ENGINEER.

LEGEND AND ABBREVIATIONS

A	ARC		WATER LINE TEE
R	RADIUS		WATER VALVE (TYPE)
C	CHORD LENGTH	GV = GATE VALVE	BV = BUTTERFLY VALVE
CH	CHORD BEARING	PV = PLUG VALVE	CV = CHECK VALVE
Δ	DELTA		WATER LINE BLOW OFF VALVE
R.O.W	RIGHT OF WAY		WATER LINE CAP
PVT	POINT OF VERTICAL TANGENT		WATER LINE REDUCER
PVI	POINT OF VERTICAL INTERSECTION		WATER LINE BEND
PVC	POINT OF VERTICAL CURVE		SINGLE WATER SERVICE
@	AT		DOUBLE WATER SERVICE
O.C.	ON CENTER		EXISTING FIRE HYDRANT ASSEMBLY
ELE.	ELEVATION		PROPOSED FIRE HYDRANT ASSEMBLY
L	LENGTH		EXISTING POTABLE WATER LINE
S	SLOPE		PROPOSED POTABLE WATER LINE
Ø	DIAMETER		EXISTING IRRIGATION MAIN
TYP.	TYPICAL		PROPOSED IRRIGATION MAIN
LF	LINEAR FOOT		EXISTING FIRE PROTECTION MAIN
°	DEGREE		PROPOSED FIRE PROTECTION MAIN
STA.	STATION		STORM SEWER STRUCTURE NUMBER
INV. IN	INVERT IN		STORM SEWER JUNCTION BOX
INV. OUT	INVERT OUT		STORM SEWER FLARED END SECTION
S.L.	SERVICE LATERAL		STORM SEWER YARD DRAIN
DW-INLET	DOUBLE-WING INLET		SINGLE-WINGED INLET
SW-INLET	SINGLE-WING INLET		DOUBLE-WINGED INLET
MH	MANHOLE		GRATE AND HOOD INLET
EP	EDGE OF PAVEMENT		AREA/GRATE INLETS
BC	BACK OF CURB		EXISTING STORM DRAIN PIPE
FC	FACE OF CURB		PROPOSED STORM DRAIN PIPE
PVC	POLYVINYL CHLORIDE PIPE		DIRECTION OF FLOW
RCP	REINFORCED CONCRETE PIPE		
DIP	DUCTILE IRON PIPE		
HP	HIGH PERFORMANCE POLYPROPYLENE PIPE		
HDPE	HIGH DENSITY POLYETHYLENE PIPE		
			SANITARY SEWER MANHOLE
			SANITARY SEWER STRUCTURE NUMBER
			SINGLE SANITARY SEWER SERVICE
			DOUBLE SANITARY SEWER SERVICE
			EXISTING SANITARY SEWER LINE
			PROPOSED SANITARY SEWER LINE
			EXISTING SANITARY SEWER FORCEMAIN
			PROPOSED SANITARY SEWER FORCEMAIN
			EXISTING GAS LINE
			PROPOSED GAS LINE
			EXISTING UNDERGROUND ELECTRIC LINE
			PROPOSED UNDERGROUND ELECTRIC LINE
			EXISTING OVERHEAD ELECTRIC LINE
			PROPOSED OVERHEAD ELECTRIC LINE
			EXISTING TELEPHONE LINE
			PROPOSED TELEPHONE LINE
			EXISTING FIBEROPTIC LINE
			PROPOSED FIBEROPTIC LINE

	PROPERTY BOUNDARY LINE
	RIGHT-OF-WAY LINE
	LOT LINE
	EASEMENT
	SETBACK LINE
	CENTERLINE
	EXISTING FENCE LINE
	PROPOSED FENCE LINE
	EXISTING TREE LINE
	PROPOSED TREE LINE
	EXISTING WETLANDS
	BORING LOCATIONS
	BENCHMARK
	EXISTING CONTOUR
	PROPOSED CONTOUR
	FLOW ARROW

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PHONE: (706) 645 - 5985

WHITESVILLE ROAD SOCCER COMPLEX  
TROUP COUNTY, LAGRANGE GA.

NOTES

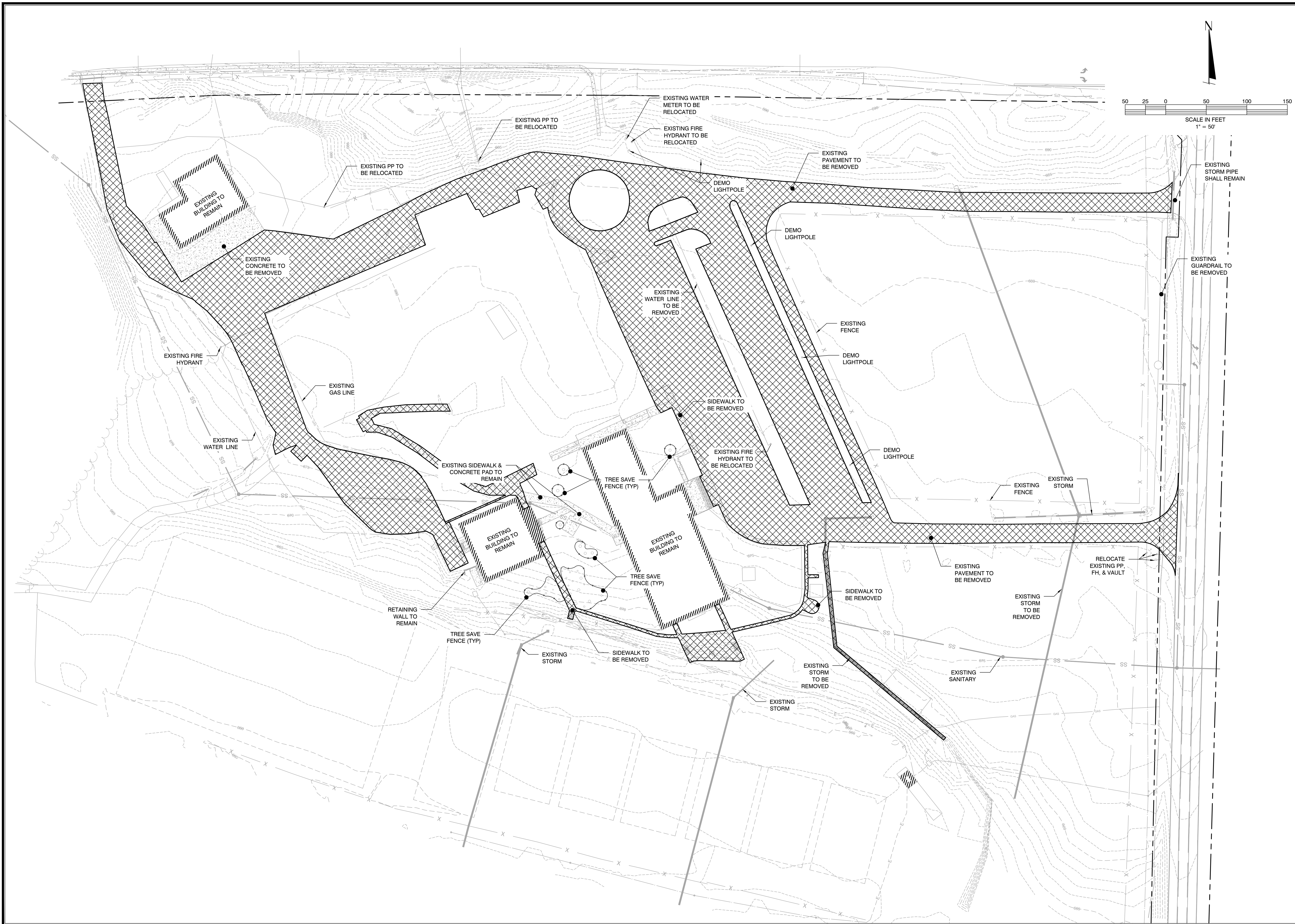
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CHKD BY JSH  
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JOB NO. GA-----





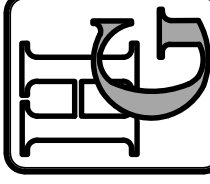







BY	
REVISIONS	
DATE	

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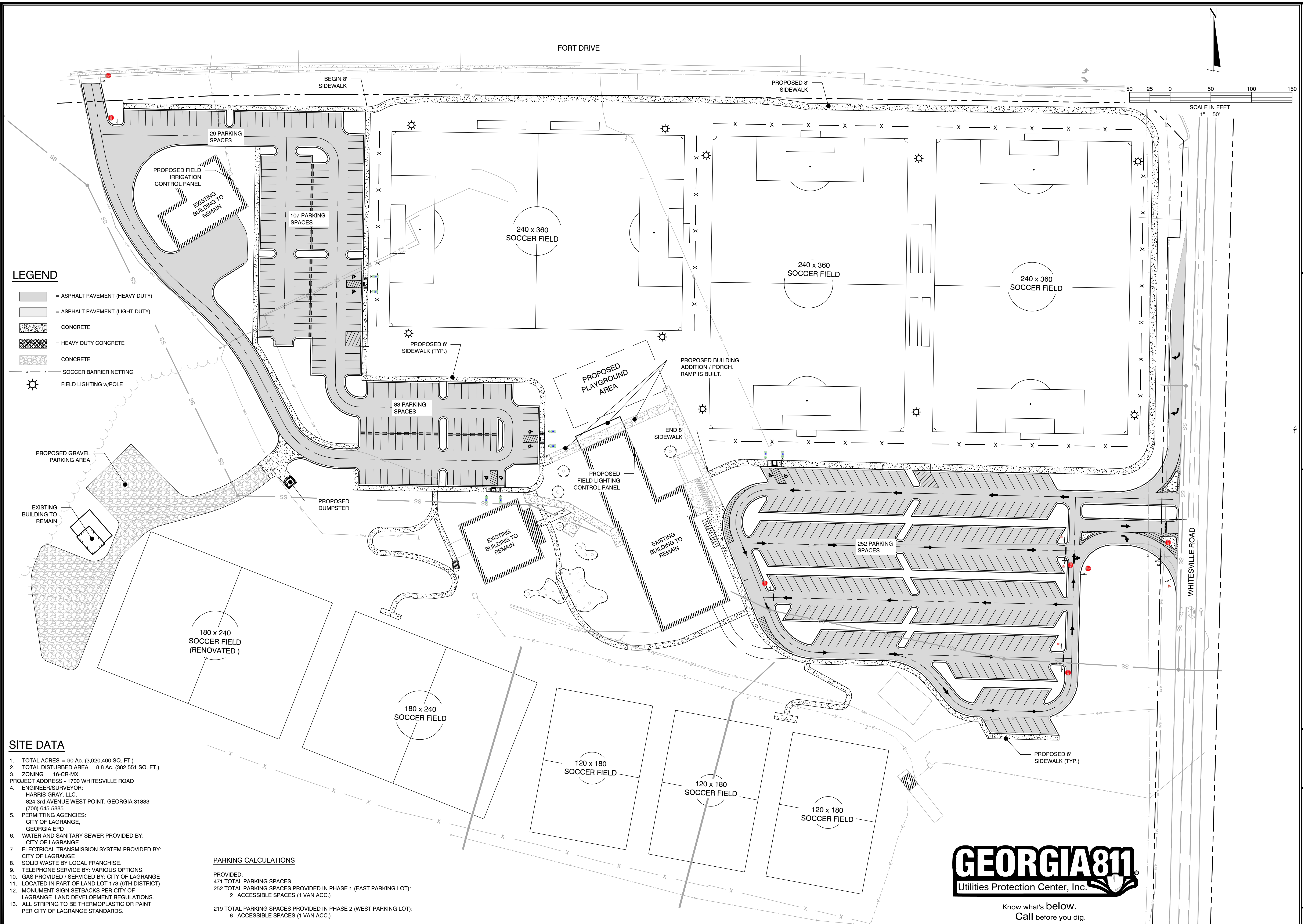
**WHITESVILLE ROAD SOCCER COMPLEX  
TROUP COUNTY, LAGRANGE GA.  
DEMOLITION PLAN**

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JOB NO.	GA-----

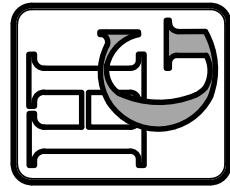


SHT. 04 OF 15



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WHITESVILLE ROAD SOCCER COMPLEX  
TROUP COUNTY, LAGRANGE GA.  
SITE PLAN OVERALL

DATE -----  
DRAWN BY HG  
CHKD BY JSH  
FILE NAME SITE PLAN  
JOB NO GA-----

SHT. 05 OF 15

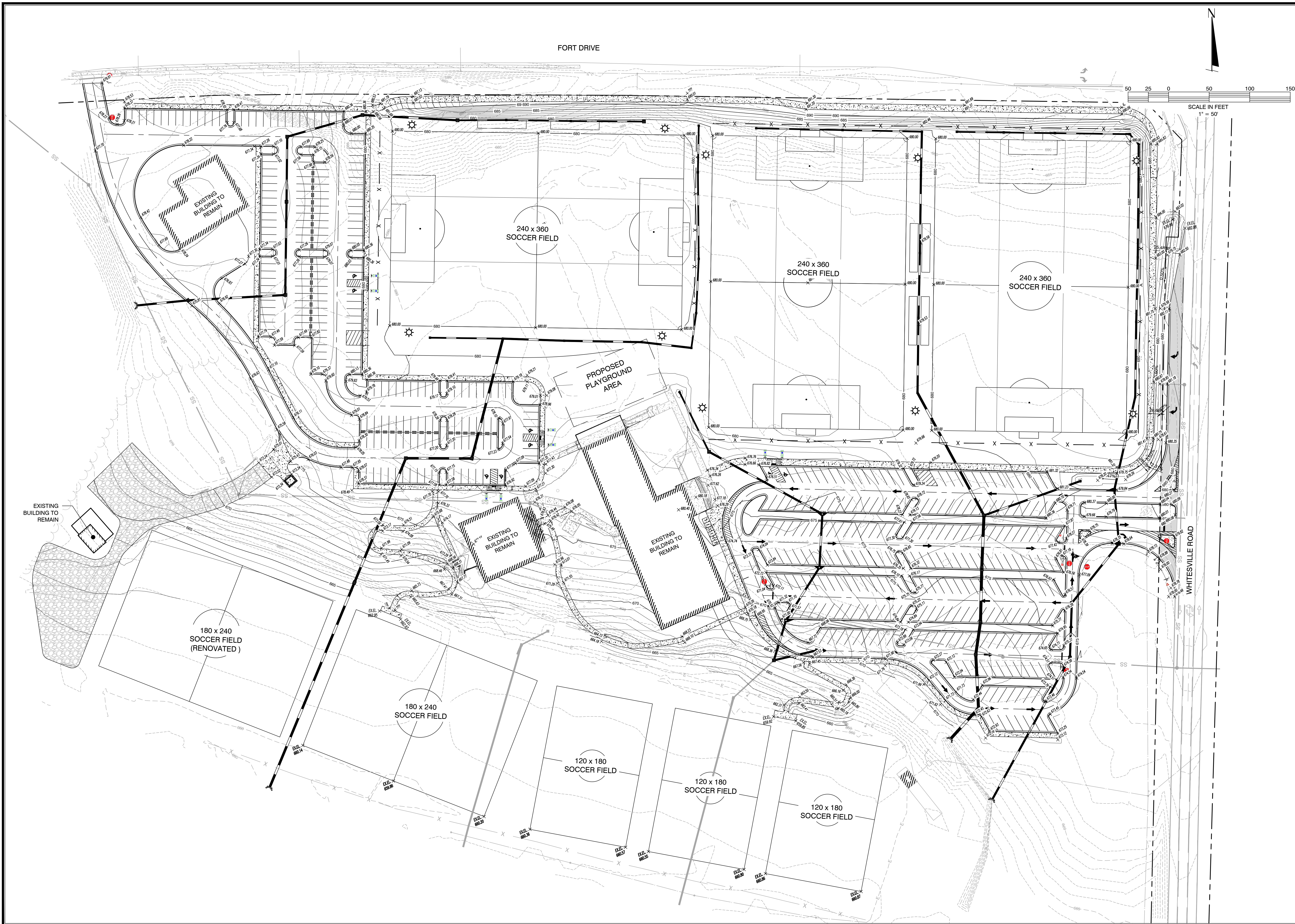






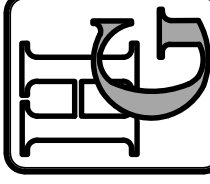







BY	
REVISIONS	
DATE	

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PHONE: (706) 645-5585



**WHITESVILLE ROAD SOCCER COMPLEX**  
**TROUP COUNTY, LAGRANGE GA.**  
**GRADING & DRAINAGE**  
**OVERALL**

DATE: \_\_\_\_\_  
DRAWN BY: HG  
CHKD BY: JSH  
FILE NAME: GRADING & DRAINAGE  
JOB NO.: GA-\_\_\_\_\_



SHT. 06 OF 15





BY	
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DATE	

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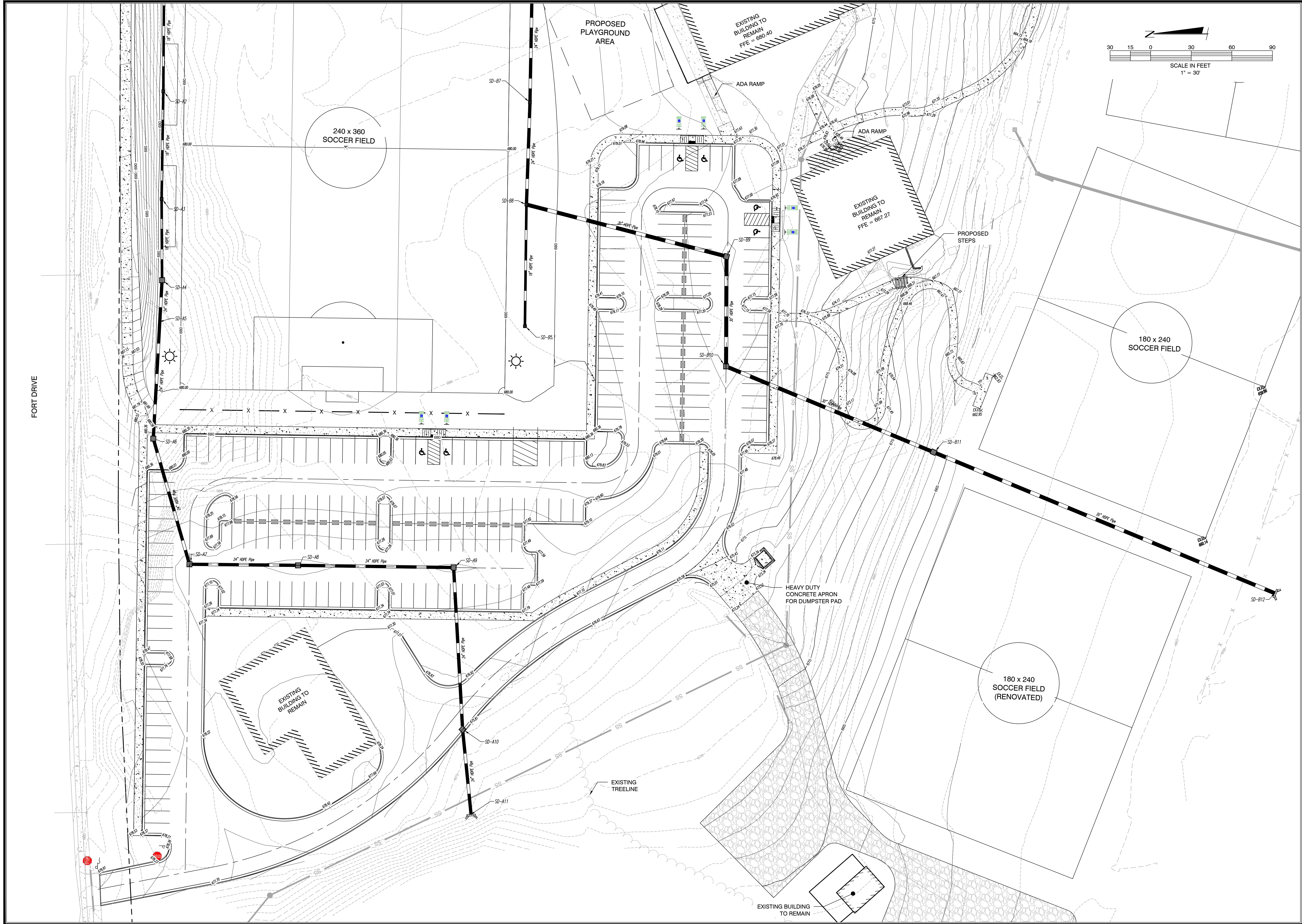


**WHITESVILLE ROAD SOCCER COMPLEX**  
**TROUP COUNTY, LAGRANGE GA.**  
**GRADING & DRAINAGE 01**

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CHKD BY	JSH
FILE NAME	GRADING & DRAINAGE
JOB NO.	GA.....








BY	
REVISIONS	
DATE	

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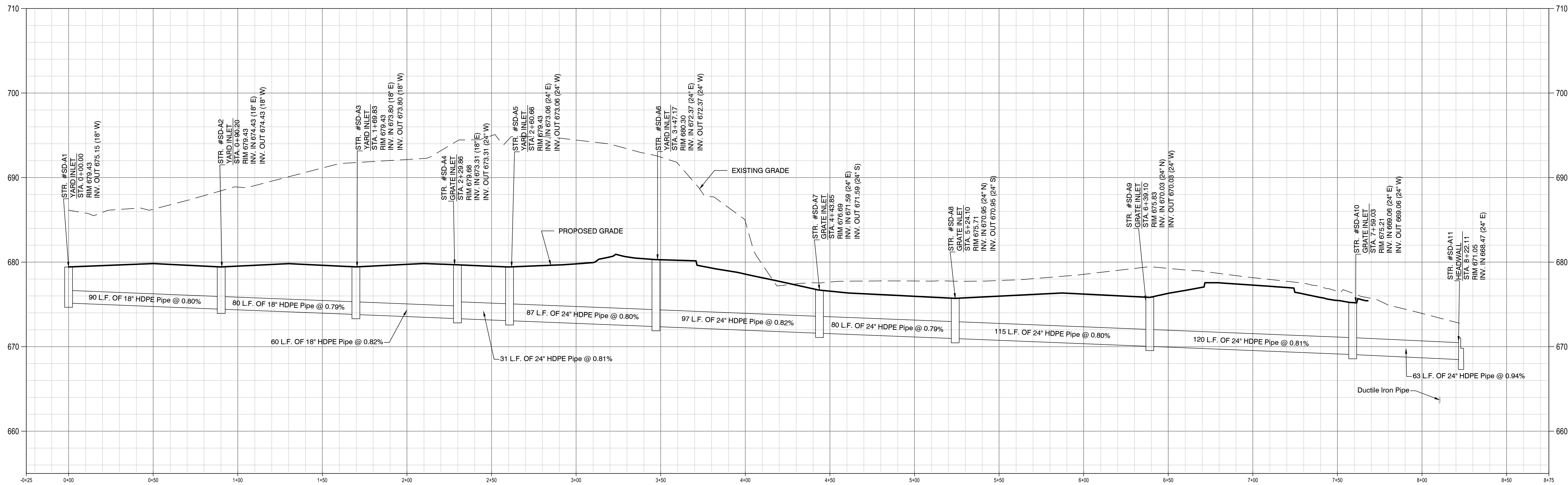
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TROUP COUNTY, LAGRANGE GA.  
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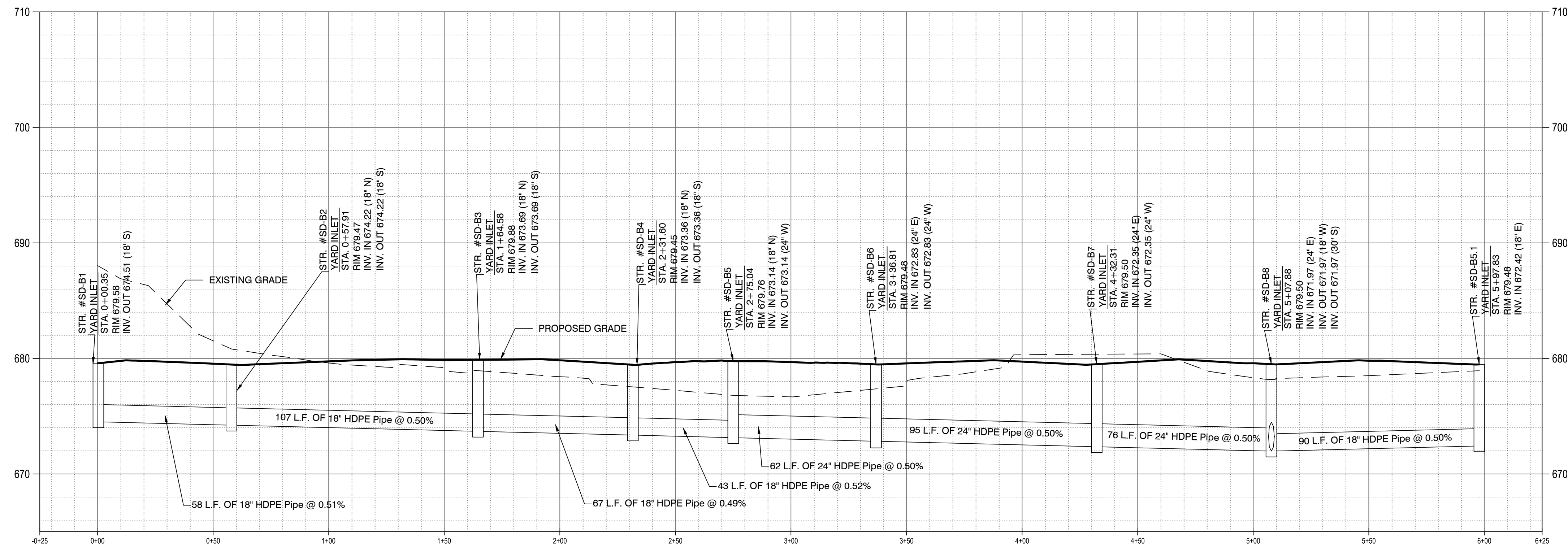


SHT.06.2 OF 15





STORM A1 TO A8  
SCALES: 1"=30' HORIZ., 1"=6' VERT.



STORM B1 TO B5  
SCALES: 1"=30' HORIZ., 1"=6' VERT.

DATE	REVISIONS	BY

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WHITESVILLE ROAD SOCCER COMPLEX  
TROUP COUNTY, LAGRANGE GA.  
STM PROFILES 01

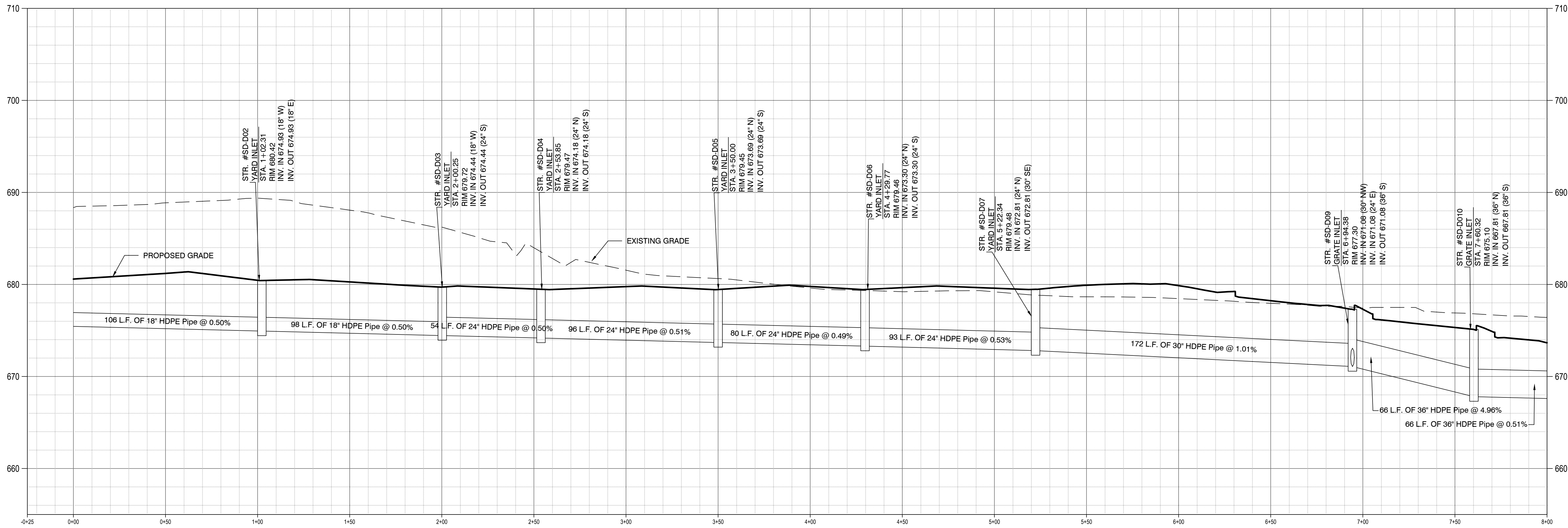
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JOB NO.	GA-----



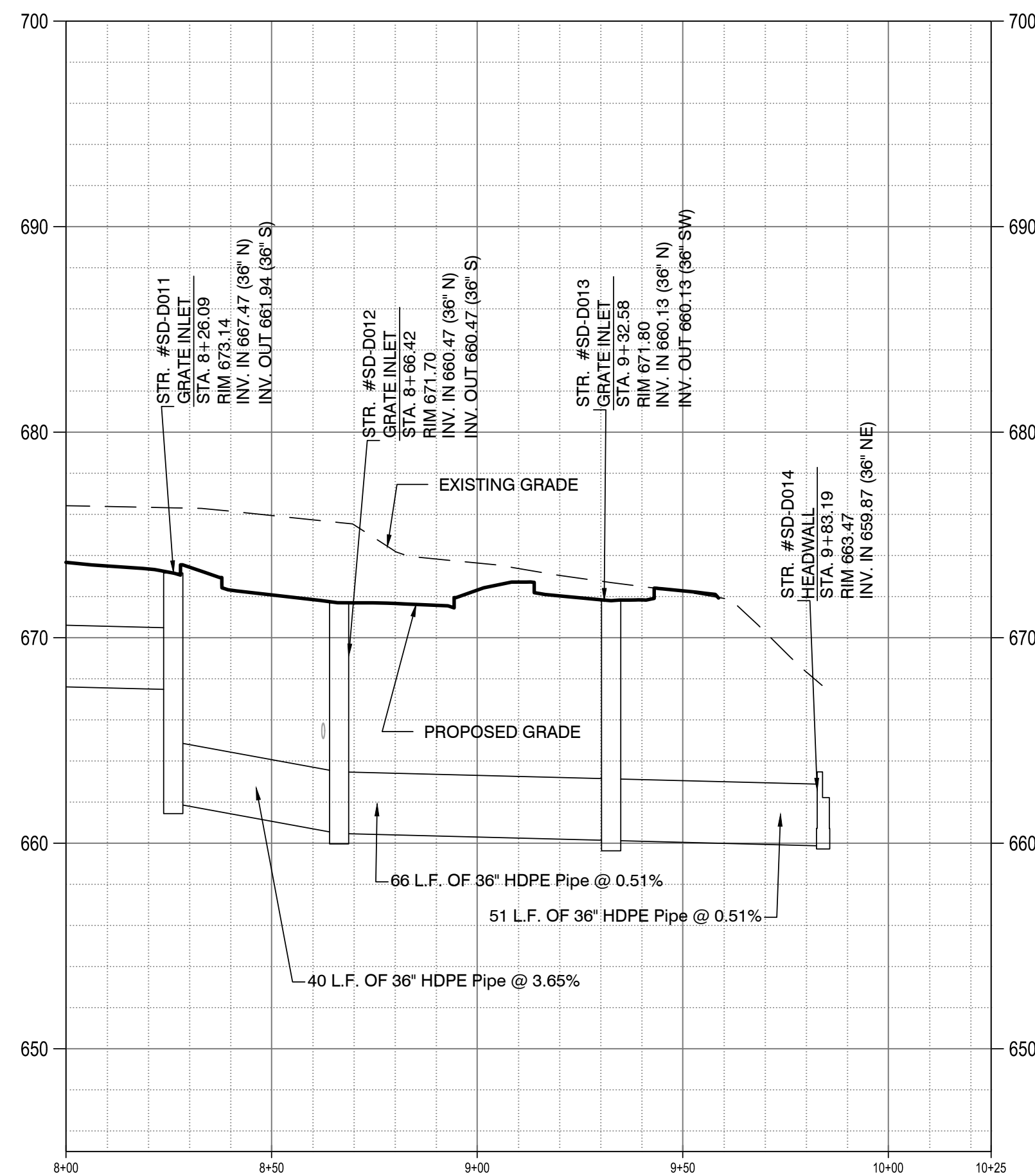




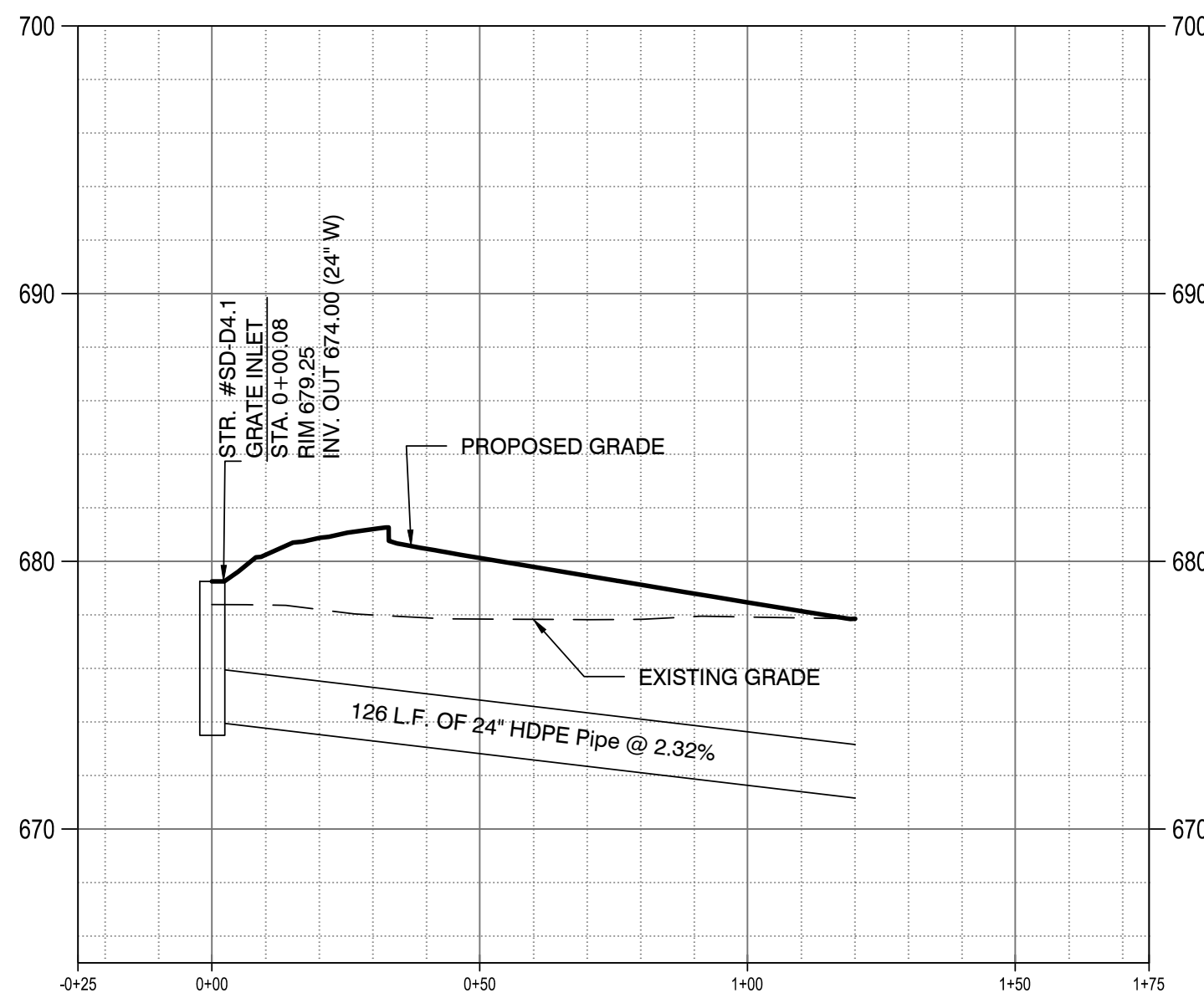




STORM D.1 TO D.5  
SCALES: 1"=30' HORIZ., 1"=6' VERT.



STORM D.5 TO D.9  
SCALES: 1"=30' HORIZ., 1"=6' VERT.



STORM D4.1 TO D4  
SCALES: 1"=30' HORIZ., 1"=6' VERT.

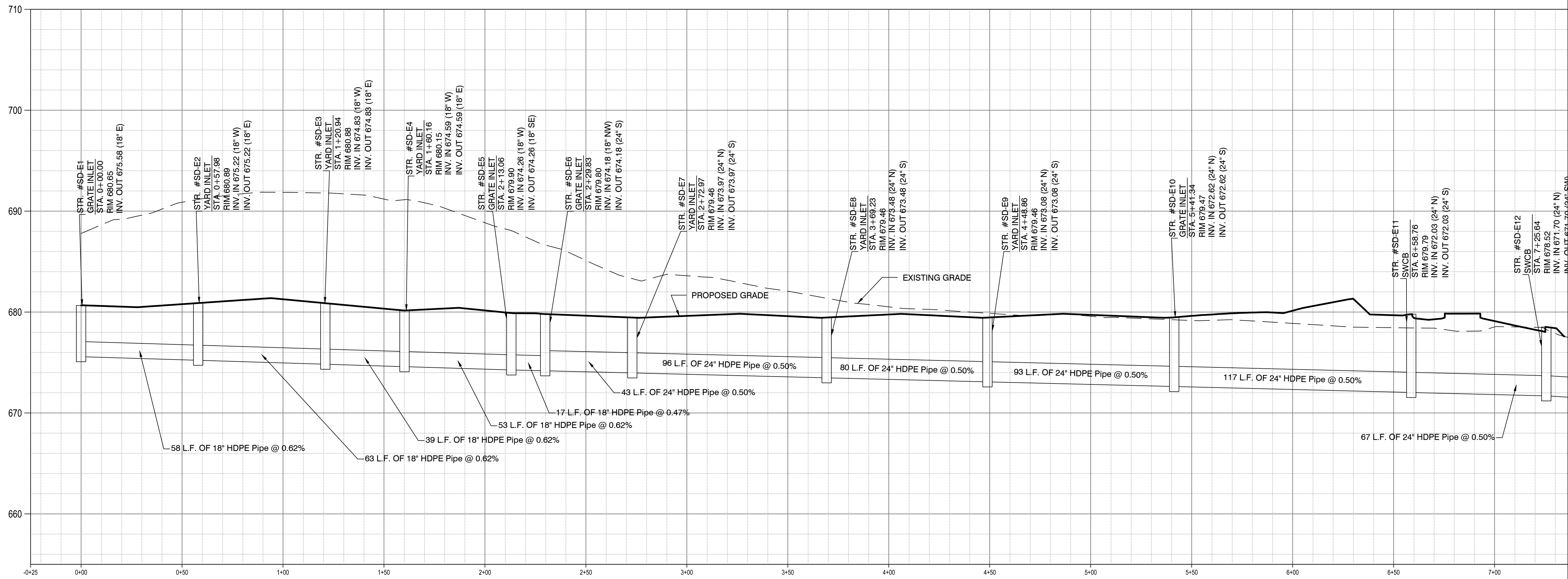


WHITESVILLE ROAD SOCCER COMPLEX  
TROUP COUNTY, LAGRANGE GA.  
STM PROFILES 03

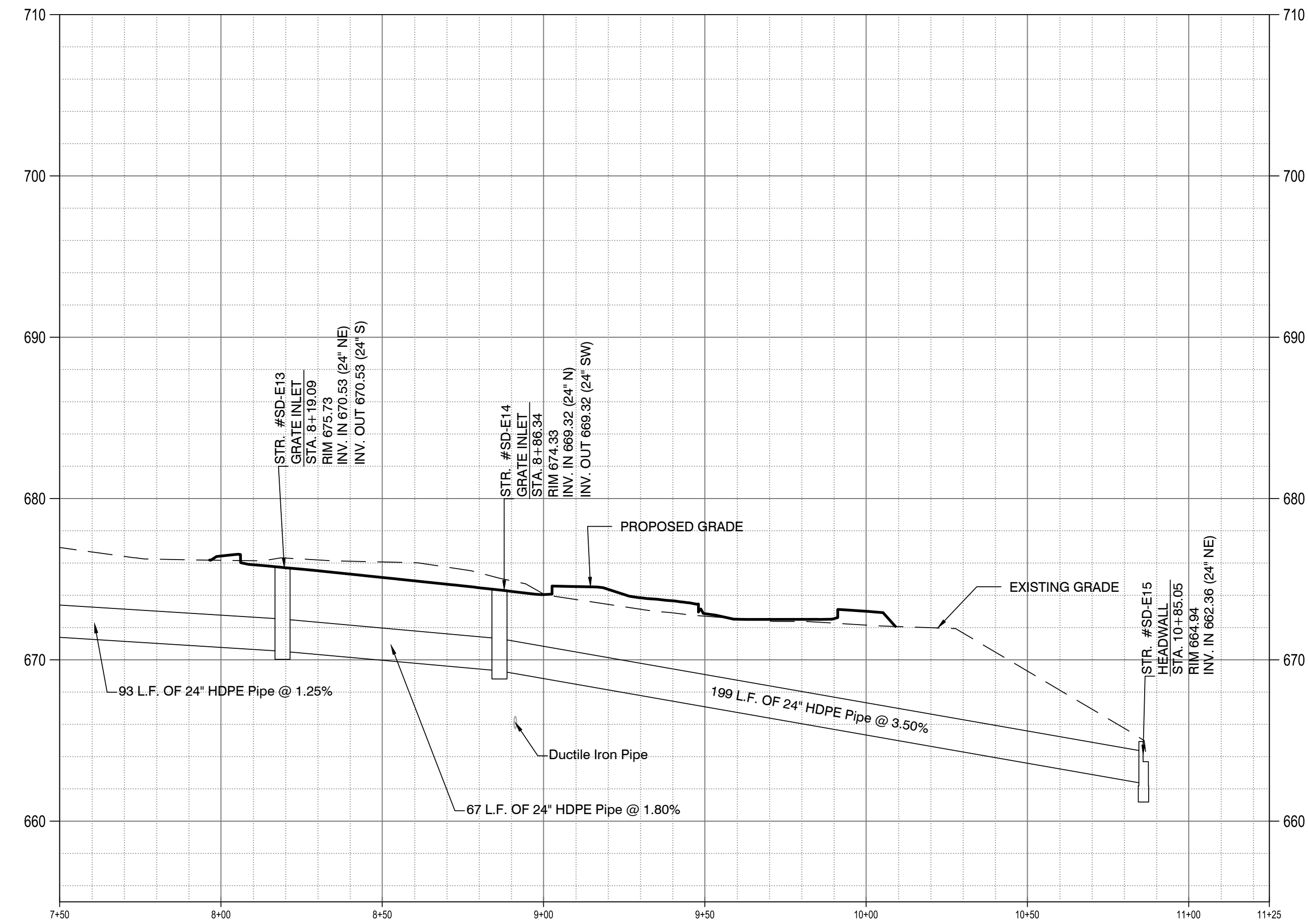
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JOB NO.: GA-.....





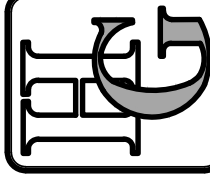


STORM LINE E1 TO E6  
SCALES: 1"=30' HORIZ., 1"=6' VERT.



STORM LINE E (1)  
SCALES: 1"=30' HORIZ., 1"=6' VERT.


DATE	REVISIONS	BY



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WHITESVILLE ROAD SOCCER COMPLEX  
TROUP COUNTY, LAGRANGE GA.  
**STM PROFILES 04**

DATE: \_\_\_\_\_  
DRAWN BY: HG  
CHKD BY: JSH  
FILE NAME: STORM PROFILES  
JOB NO.: GA-----



JOHN SCOTT HARRIS  
PROFESSIONAL ENGINEER  
06/09/2022  
NO. 35338  
STATE OF GEORGIA

DATE: \_\_\_\_\_  
DRAWN BY: HG  
CHKD BY: JSH  
FILE NAME: STORM PROFILES  
JOB NO.: GA-----



NOTES:

TROUP COUNTY PARKS AND REC SHALL SUPPLY THE IRRIGATION DESIGN. CONTRACTOR SHALL REFERENCE THE IRRIGATION DESIGN FOR ALL MATERIAL INFORMATION AND DESIGN LAYOUT.

UG POWER FOR FIELD LIGHTING HAS BEEN SHOWN FOR REFERENCE. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER AND THE CITY OF LAGRANGE POWER COMPANY FOR FINAL ROUTING AND TRANSFORMER LOCATION.

POSSIBLE ROUTE OF UG POWER FOR MUSCO LIGHTING. CONTRACTOR SHALL COORDINATE WITH OWNER AND ENGINEER IF ANY REVISIONS ARE MADE TO THE ROUTE.

TWO (2) PROPOSED 8" PVC SLEEVES FOR IRRIGATION SYSTEM, AND TWO (2) PROPOSED 8" PVC SLEEVES FOR UG POWER.

PROPOSED RELOCATED FH

PROPOSED RELOCATED VAULT

PROPOSED FIELD IRRIGATION CONTROL PANEL

PROPOSED FIELD LIGHTING CONTROL PANEL

WV SHALL REMAIN IN PLACE. ADJUST FLUSH TO ASPHALT.

FH SHALL REMAIN IN PLACE.

ADJUST SSMH LID FLUSH TO PROPOSED GAB.

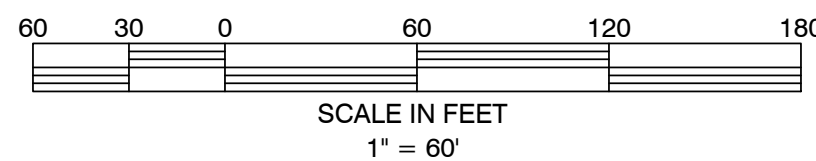
ADJUST SSMH LID FLUSH TO PROPOSED GROUND.

FH SHALL REMAIN IN PLACE. CONTRACTOR SHALL ADJUST FH ELEVATION TO FLUSH TO PROPOSED GROUND.

ADJUST SSMH LID FLUSH TO PROPOSED ASPHALT.

ADJUST SSMH LID FLUSH TO PROPOSED ASPHALT.

RELOCATE PP, FH, & VAULT



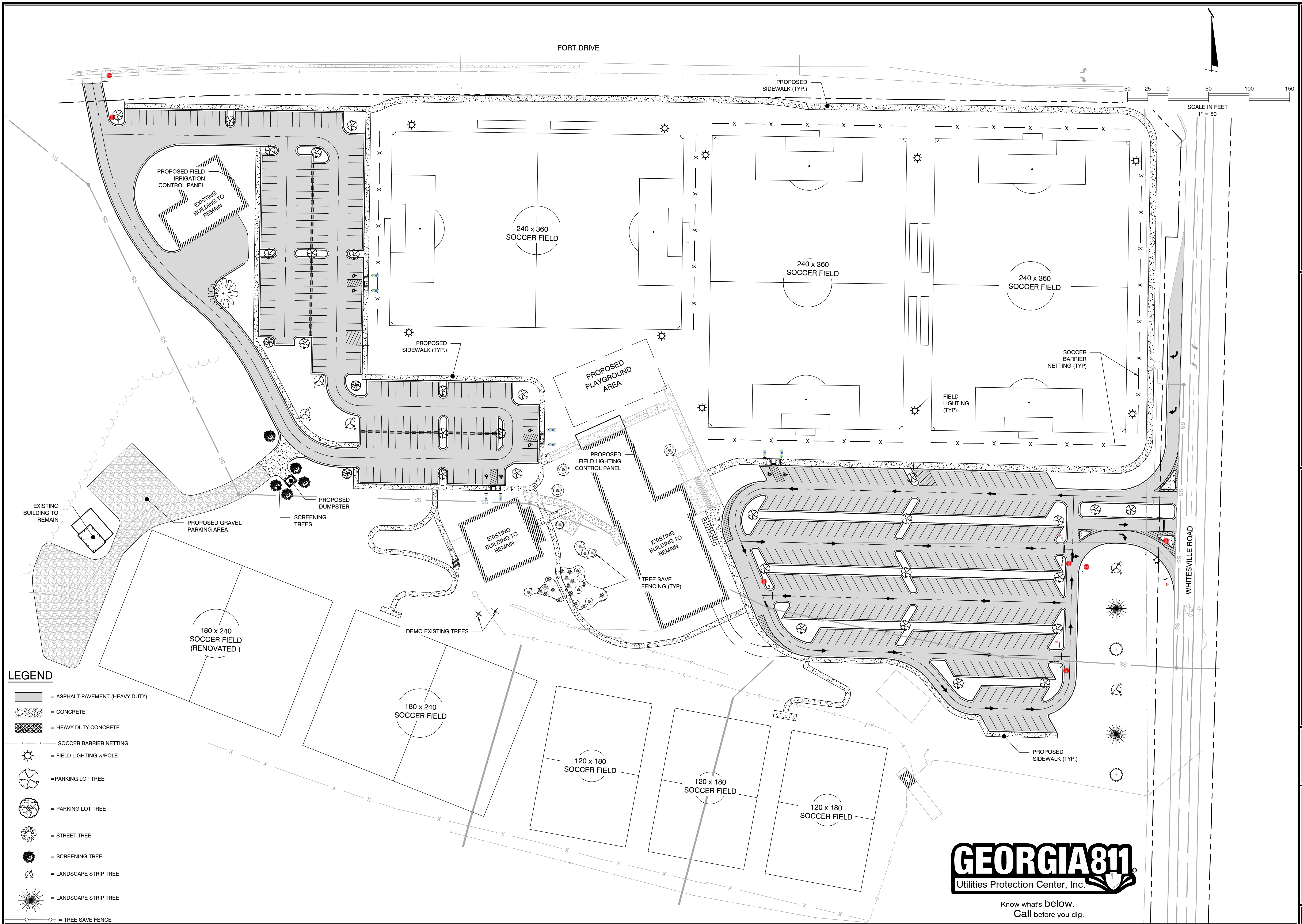
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WHITESVILLE ROAD SOCCER COMPLEX  
TROUP COUNTY, LAGRANGE GA.  
UTILITY PLAN

DATE: \_\_\_\_\_  
DRAWN BY: HG  
CHKD BY: JSH  
FILE NAME: UTILITY PLAN  
JOB NO.: GA-----







LEGEND

- = ASPHALT PAVEMENT (HEAVY DUTY)
- = CONCRETE
- = HEAVY DUTY CONCRETE
- = SOCCER BARRIER NETTING
- = FIELD LIGHTING w/POLE
- = PARKING LOT TREE
- = PARKING LOT TREE
- = STREET TREE
- = SCREENING TREE
- = LANDSCAPE STRIP TREE
- = LANDSCAPE STRIP TREE
- = TREE SAVE FENCE



Know what's below.  
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WHITESVILLE ROAD SOCCER COMPLEX  
TROUP COUNTY, LAGRANGE GA.  
LANDSCAPE PLAN

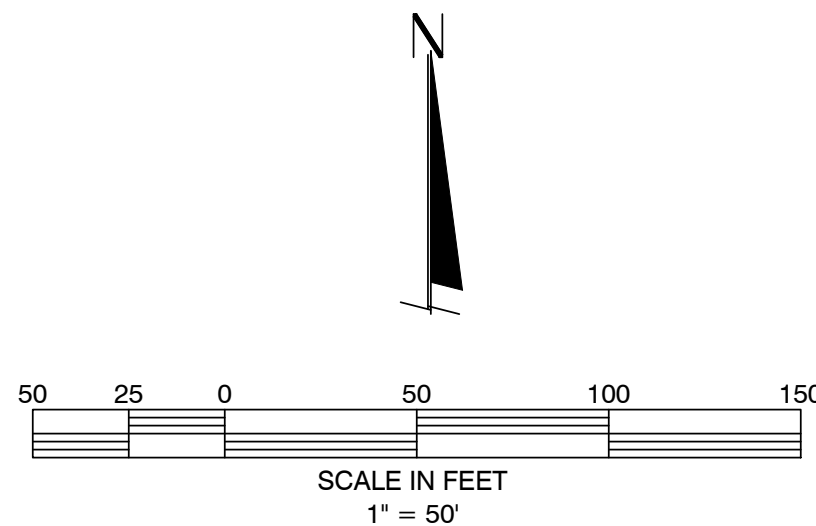
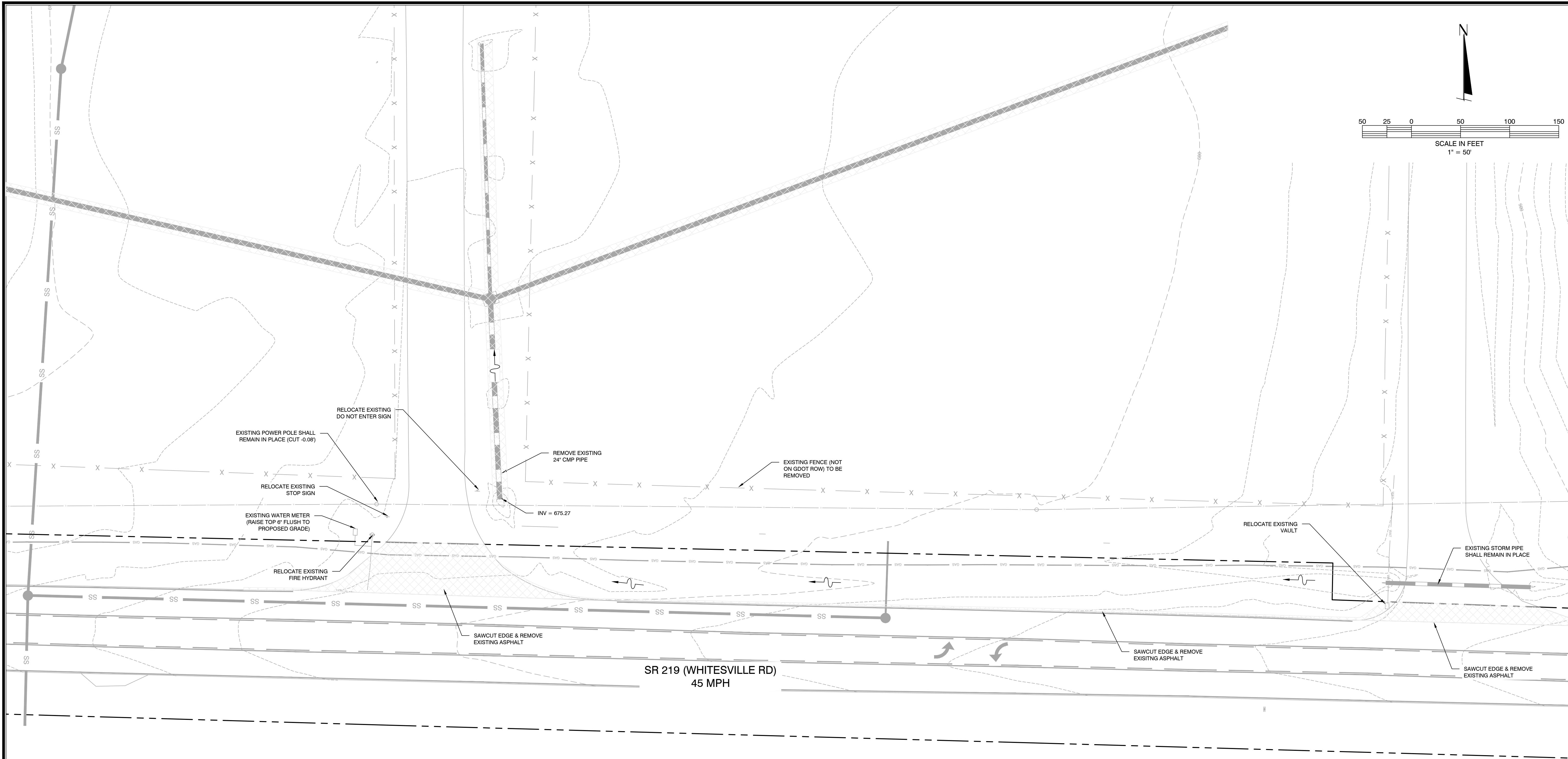
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JOB NO.: GA-\_\_\_\_\_









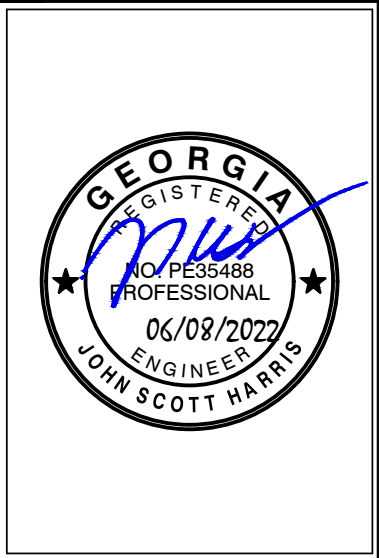


REVISIONS	DATE	BY

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WHITESVILLE ROAD SOCCER COMPLEX  
TROUP COUNTY, LAGRANGE GA.  
GDOT DEMO PLAN

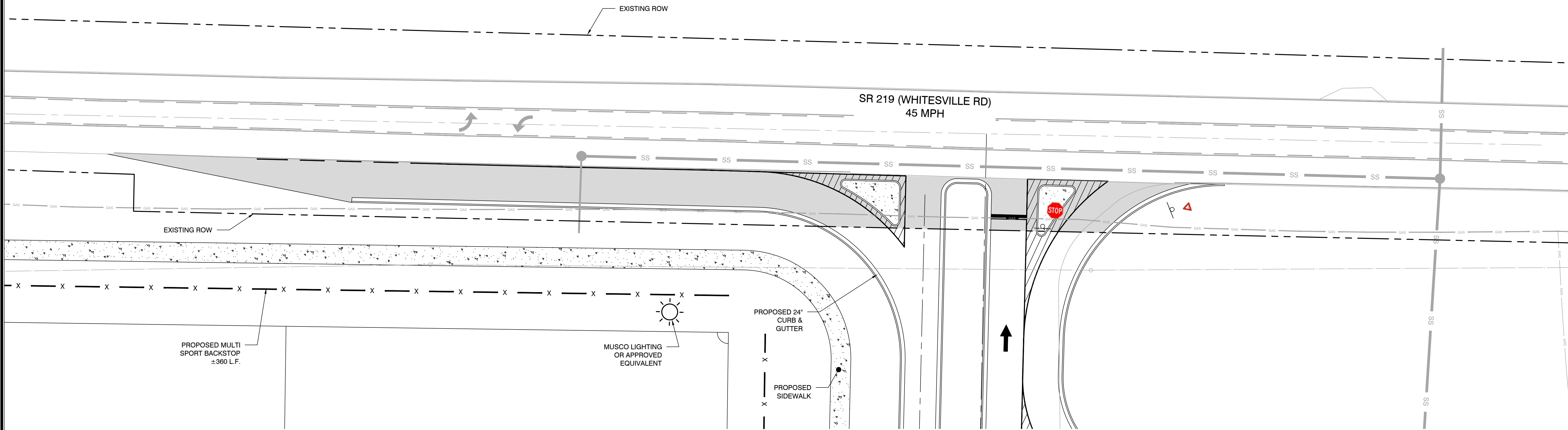
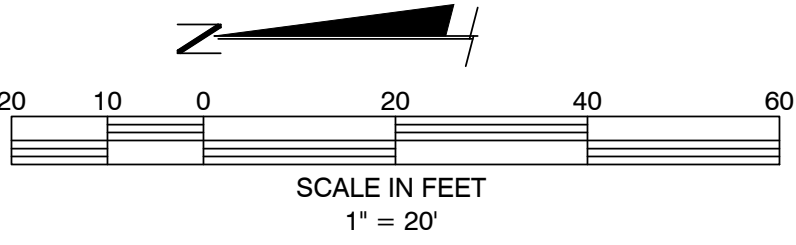
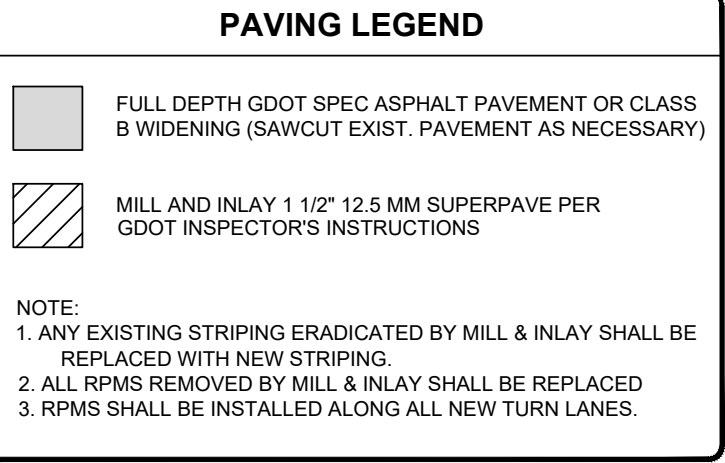
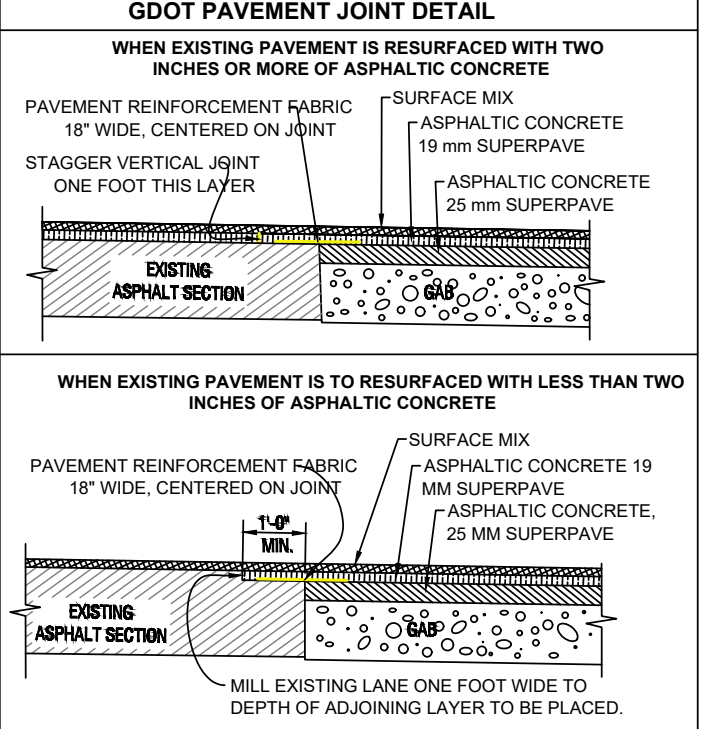
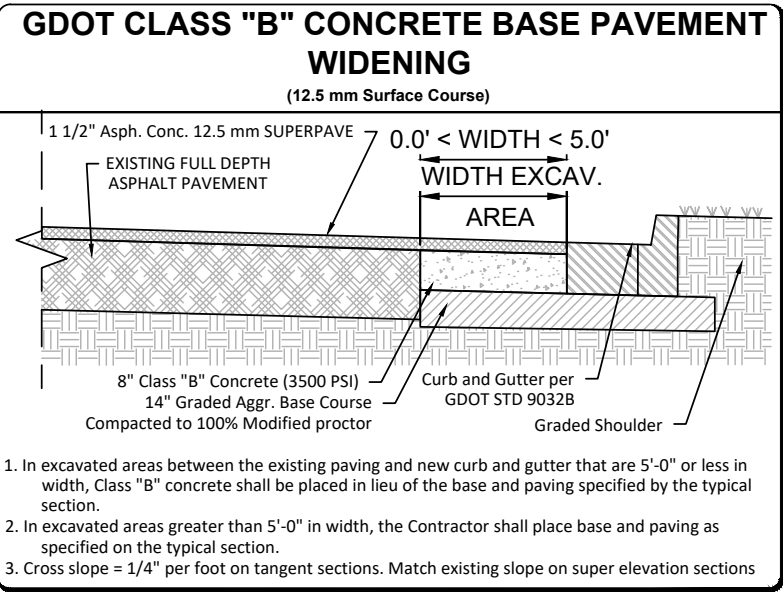
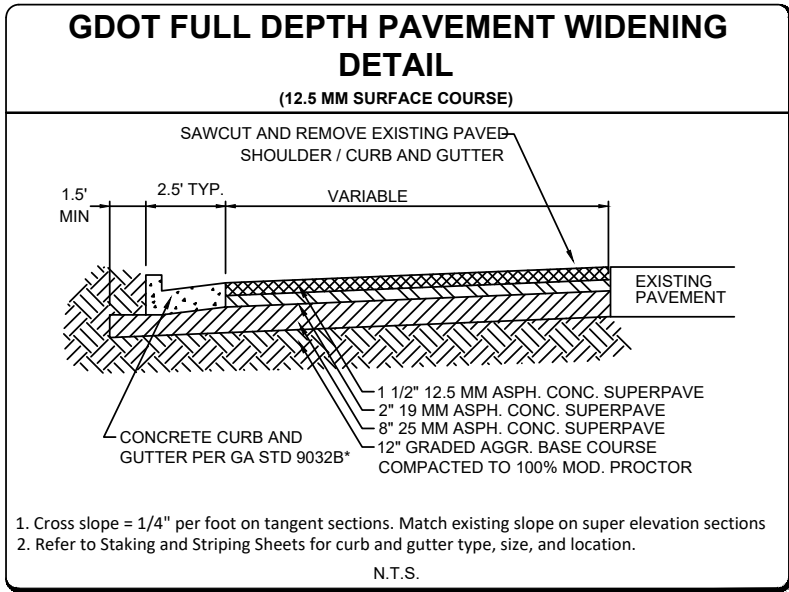
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DRAWN BY: HG  
CHKD BY: JSH  
FILE NAME: EXISTING CONDITIONS  
JOB NO.: GA-\_\_\_\_\_







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**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 D.O.T. RIGHT OF WAY:

- DIVERSION OF ADDITIONAL DRAINAGE AREA ONTO THE RIGHT OF WAY OR INCREASE THE C.F.S. OF CURRENT VOLUMES OF WATER.
- GRADING EXCEPT A DRIVEWAY CONSTRUCTION LOCATION.
- HEADWALLS.
- SIGNS, DISPLAYS, DEVICES, AND OTHER STRUCTURES WHICH ARE DESIGNED, INTENDED OR USED TO ADVERTISE OR INFORM.
- LANDSCAPING WITHOUT PRIOR APPROVAL OF LANDSCAPE PLAN.

ALL EXISTING UTILITIES WHICH WOULD BE UNDER NEW PAVEMENT OR IN ACCELERATION AND DECELERATION LANES SHALL BE RELOCATED BEFORE FINAL GRADING OR PAVING AND AT NO COST TO D.O.T., 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 ADDITION OF NEW PAVEMENT MARKINGS AND/OR SIGNS AS SHOWN ON THE APPROVED PLAN, CURRENT M.U.T.C.D. GUIDELINES.

ALL CURBED ISLANDS SHALL BE FILLED TO THE TOP OF CURB WITH TOP SOIL AND GRASS. 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:**

1-1/2"	[12.5 MM] SUPERPAVE
2"	[19.0 MM] SUPERPAVE
5"	[25 MM] SUPERPAVE
12"	GRADED AGGREGATE BASE

**NOTICE:**  
THIS PERMIT IS APPROVED SUBJECT TO THE REVISIONS AND COMMENTS SHOWN IN RED ON THE ATTACHED PLAN COPY AND SHALL REMAIN DEPENDANT 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 R/W.

ALL WORK PERFORMED WITHIN GDOT R/W SHALL CONFORM TO GDOT STANDARDS AND DETAILS.

RAISED PAVEMENT MARKERS SHALL BE SPACED EVERY 40 FT. UNLESS OTHERWISE SPECIFIED.

RAISED PAVEMENT MARKERS ON SOLID WHITE TURN BAY LINES, SPACING SHALL BE 20 FT.

RAISED PAVEMENT MARKERS SHALL BE OFFSET 5 IN. FROM SOLID LANE LINES.

ALL PROPOSED CROSS SLOPES IN GDOT R/W TO MATCH EXISTING CROSS SLOPES WHEREVER POSSIBLE.

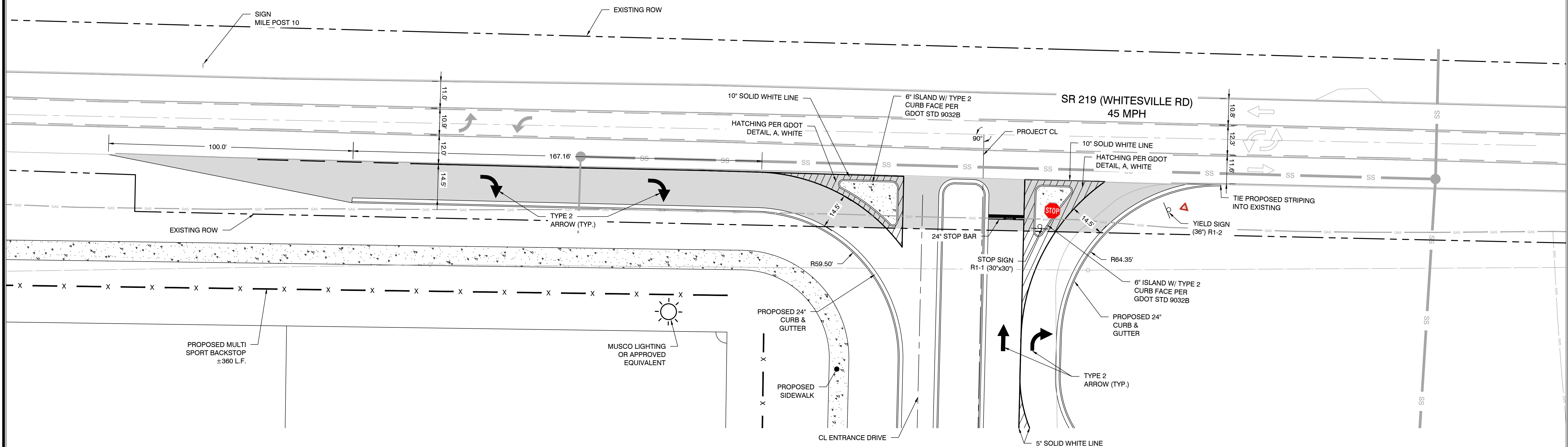
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WHITESVILLE ROAD SOCCER COMPLEX  
TROUP COUNTY, LAGRANGE GA.  
**GDOT PAVING PLAN**

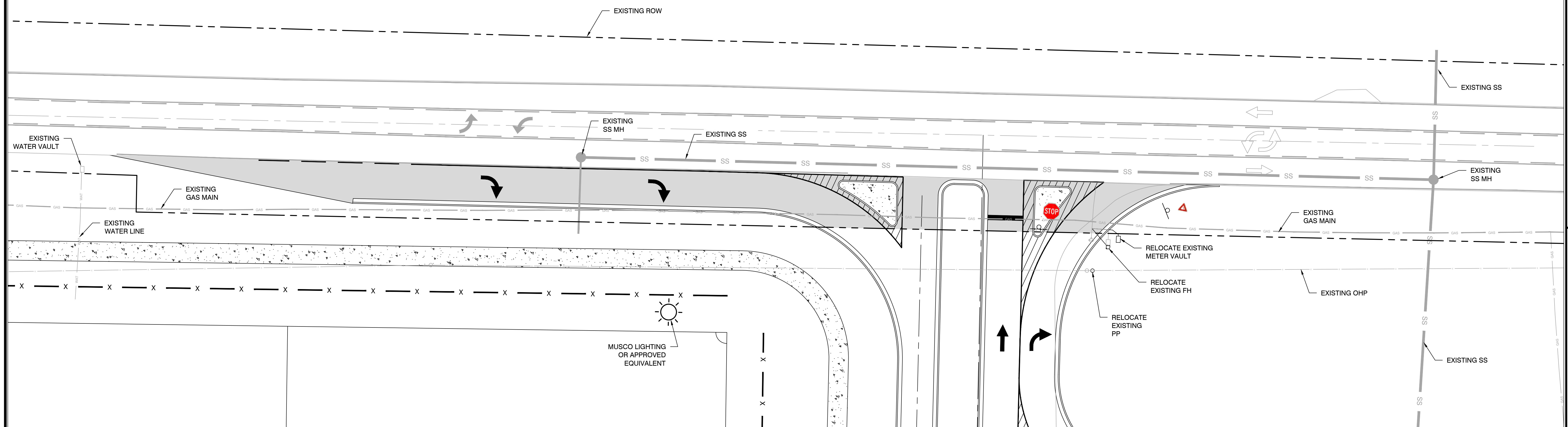
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JOB NO.: GA-\_\_\_\_\_





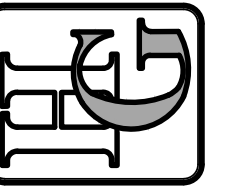






1. ANY UTILITY WORK WITHIN THE STATE RIGHT OF WAY WILL REQUIRE A PERMIT THROUGH THE GEORGIA UTILITIES PERMITTING SYSTEM (GUPS) AND WILL NEED TO CONFORM TO THE UTILITY ACCOMMODATION POLICY AND STANDARDS MANUAL (UAM).
- 1.1. IT IS THE RESPONSIBILITY OF THE OWNER TO APPLY FOR THE PERMIT.
2. THE PROPOSED UTILITY WORK SUBMITTED FOR THE PERMIT IN GUPS WILL NEED TO BE SHOWN ON THE DRAWING APPROVED BY GDOT'S ACCESS MANAGEMENT DEPARTMENT.
3. ENSURE ALL EXISTING AND PROPOSED UTILITIES ARE SHOWN ON THE ACCESS MANAGEMENT PLANS.
4. WATER METERS, PROPOSED OR RELOCATED, ARE TO BE PLACED OUTSIDE OF THE STATE RIGHT OF WAY.

**HARRIS GRAY, LLC**  
ENGINEERS • SURVEYORS • PLANNERS  
CERTIFICATE OF AUTHORIZATION NO: PE0600540  
824 THIRD AVENUE • WEST POINT, GEORGIA 31833  
PHONE: (706) 645 - 5885



WHITESVILLE ROAD SUCCEER COMPLEX  
TROUP COUNTY, LAGRANGE GA.  
GDOT UTILITY PLAN

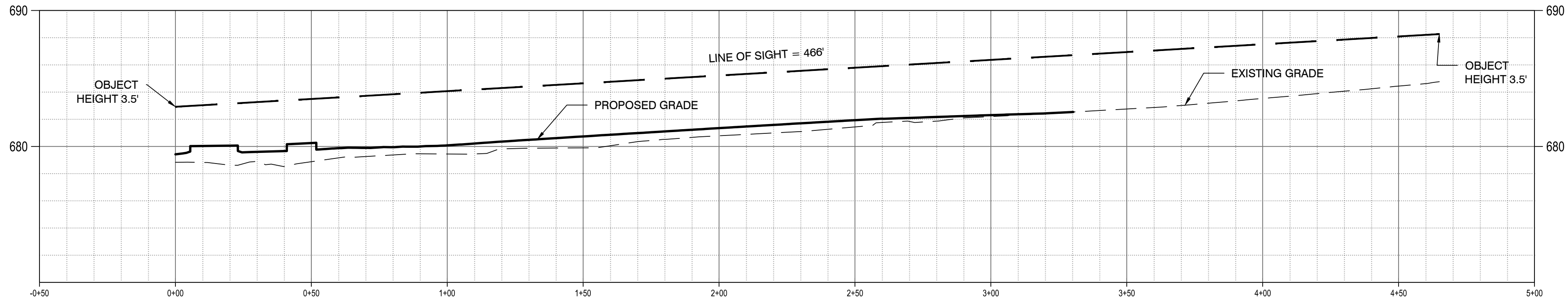
DATE -----  
DRAWN BY HG  
CHKD BY JSH  
FILE NAME SITE PLAN  
JOB NO. GA-----



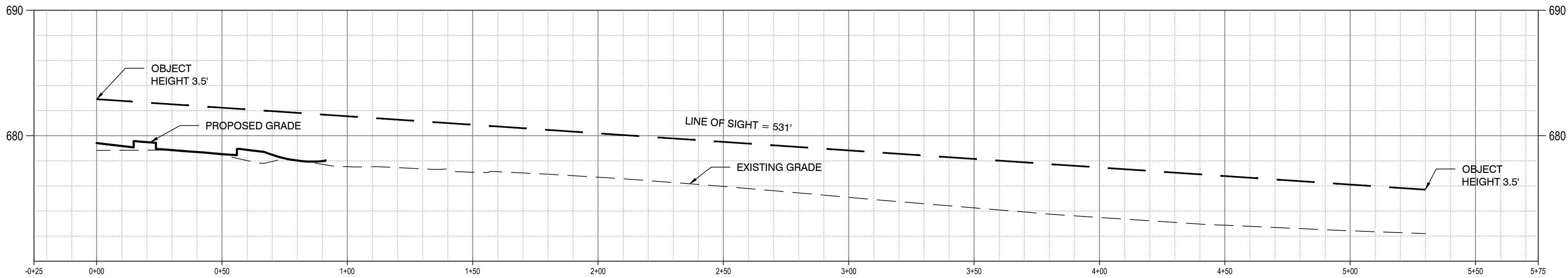






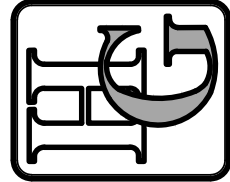


SIGHT DISTANCE LEFT - 465'  
SCALES: 1"=30' HORIZ., 1"=6' VERT.



SIGHT DISTANCE RIGHT - 530'  
SCALES: 1"=30' HORIZ., 1"=6' VERT.

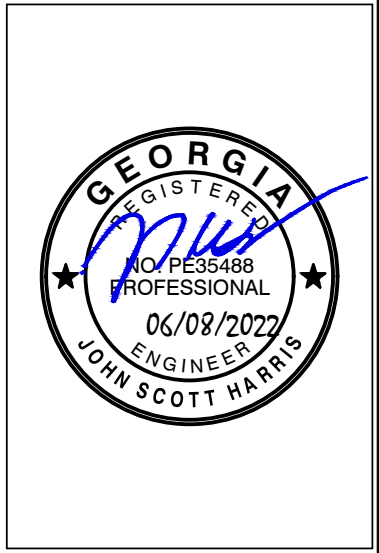
REVISIONS	BY	DATE



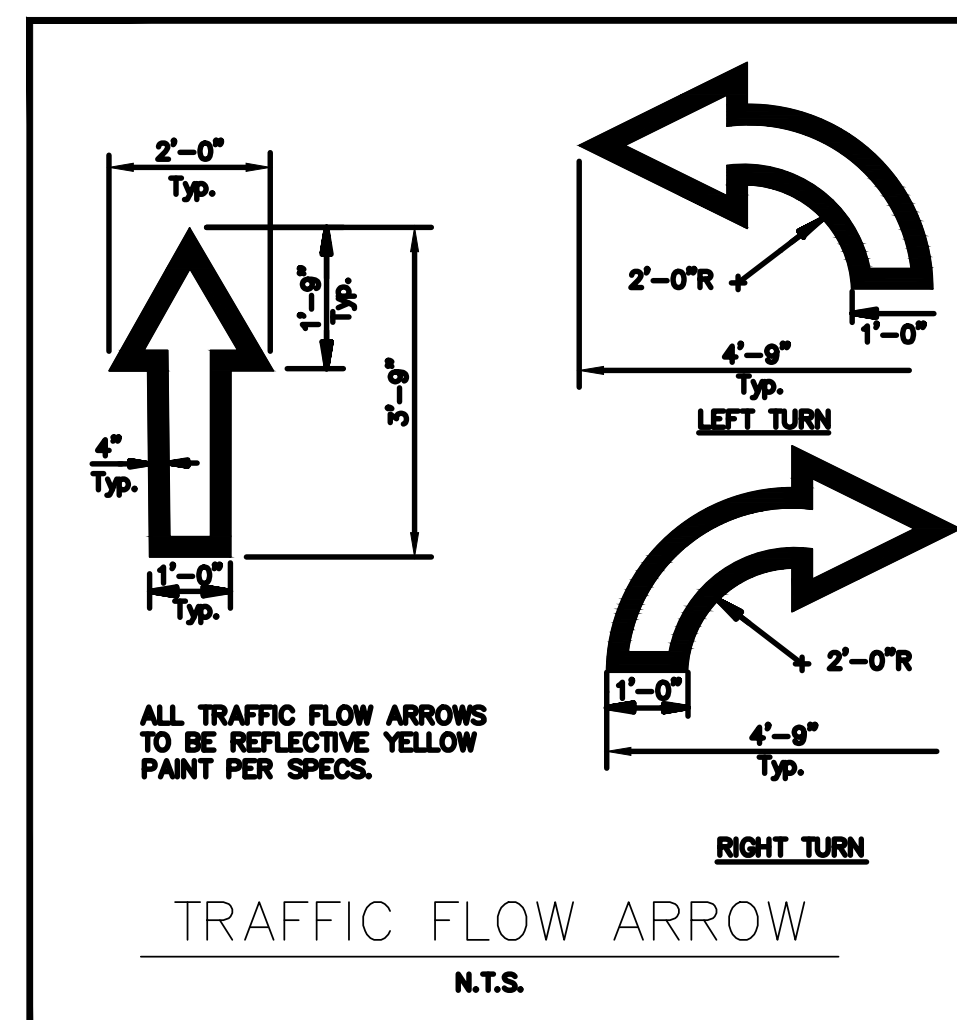
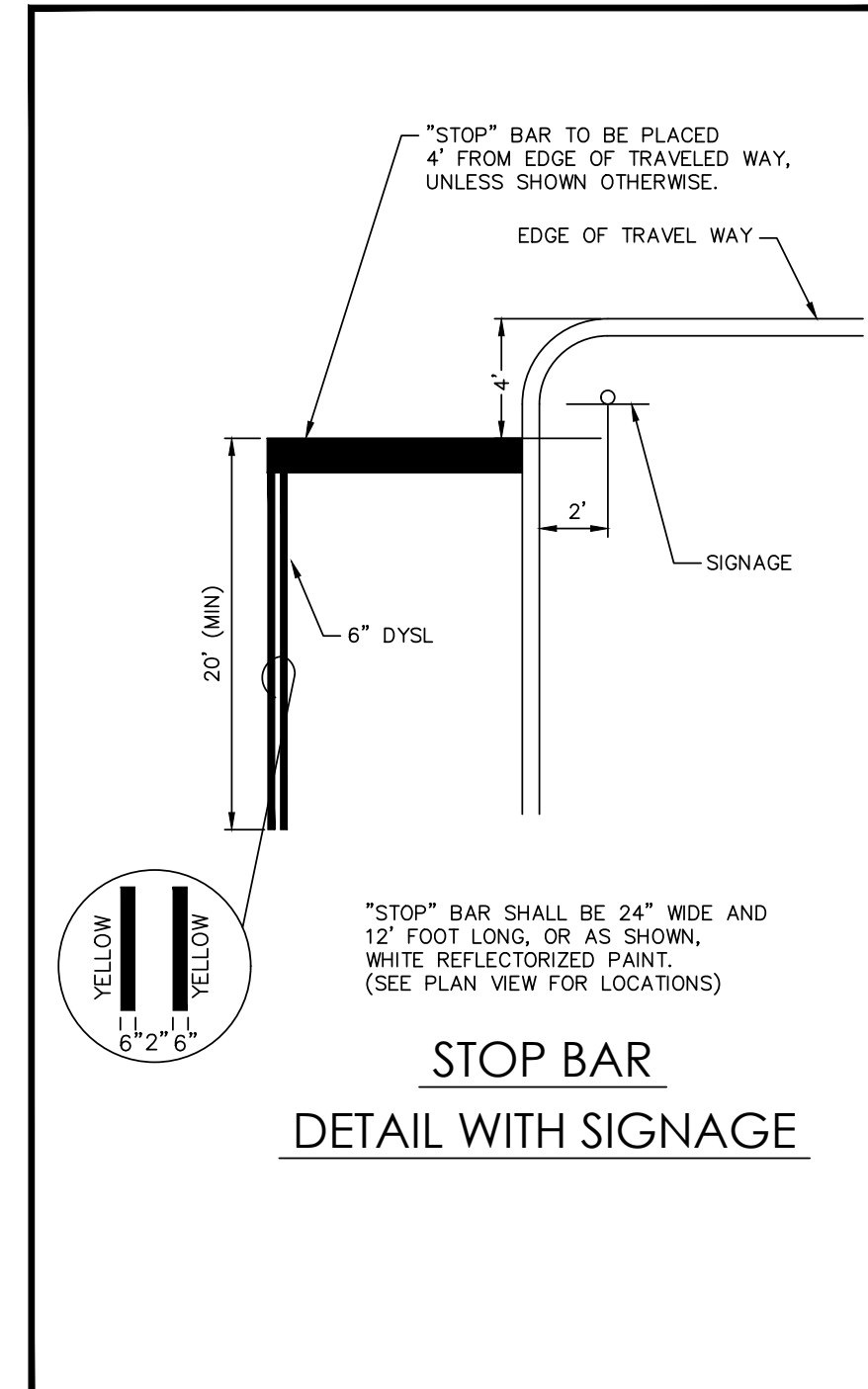
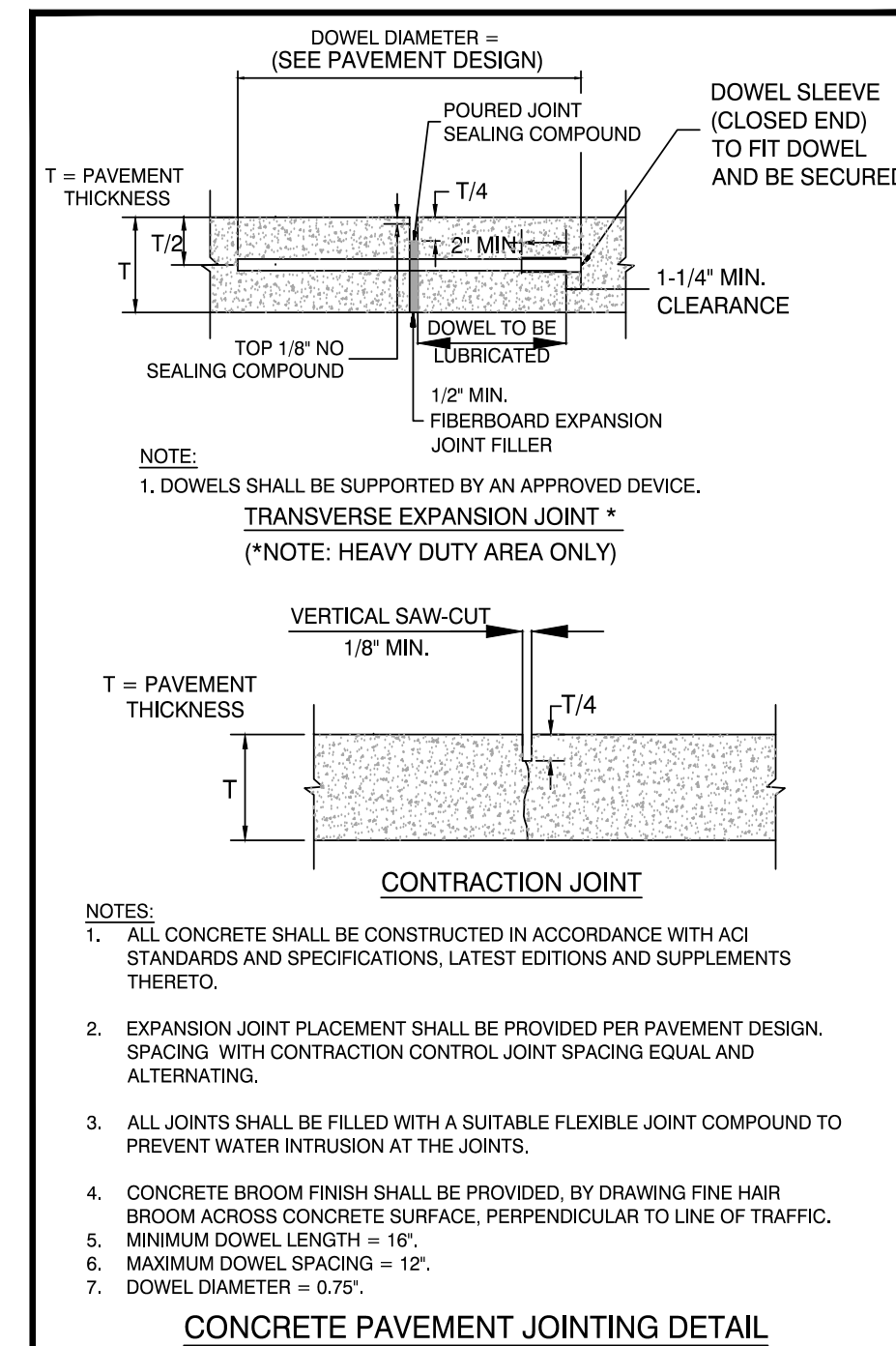
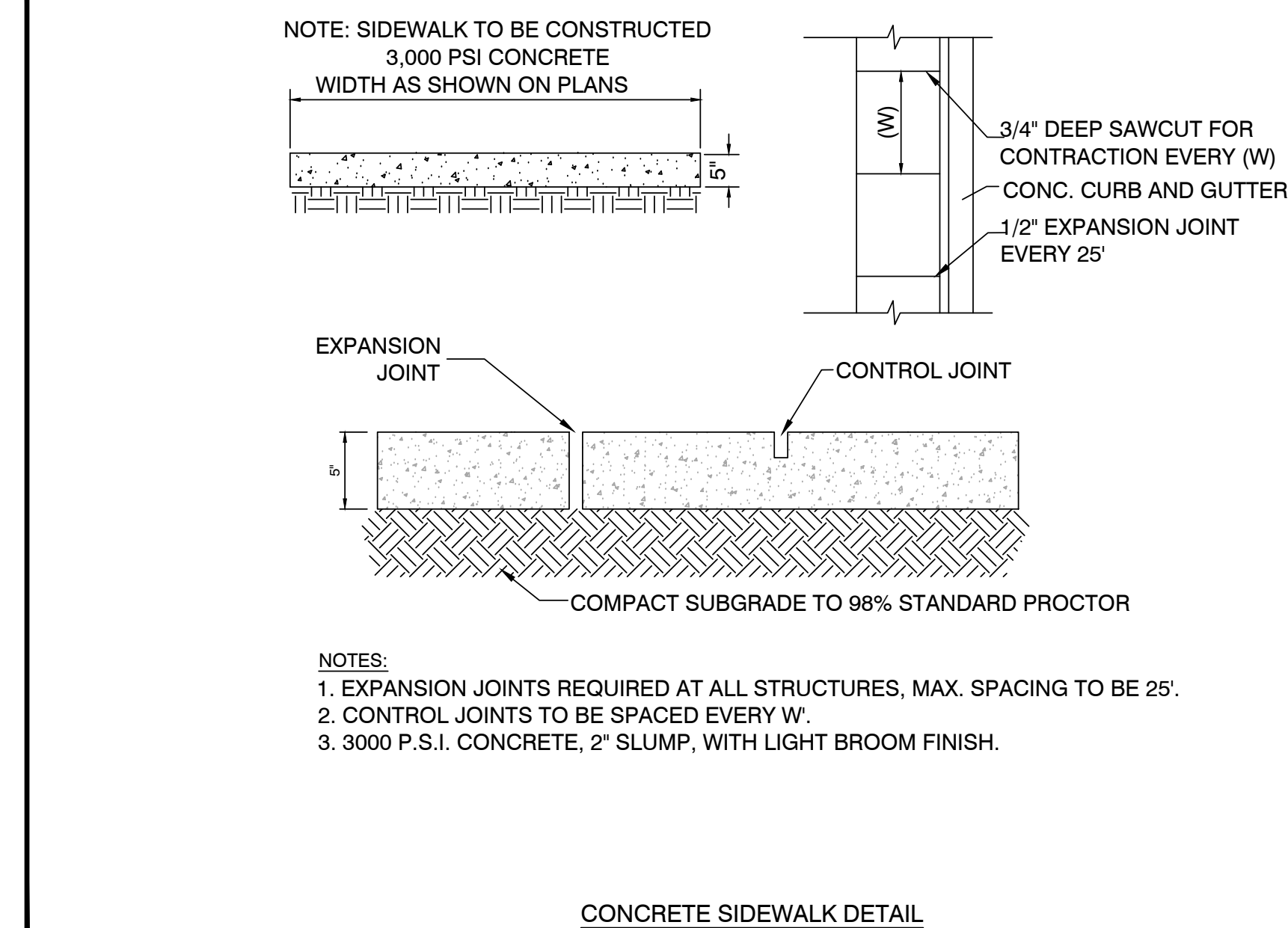
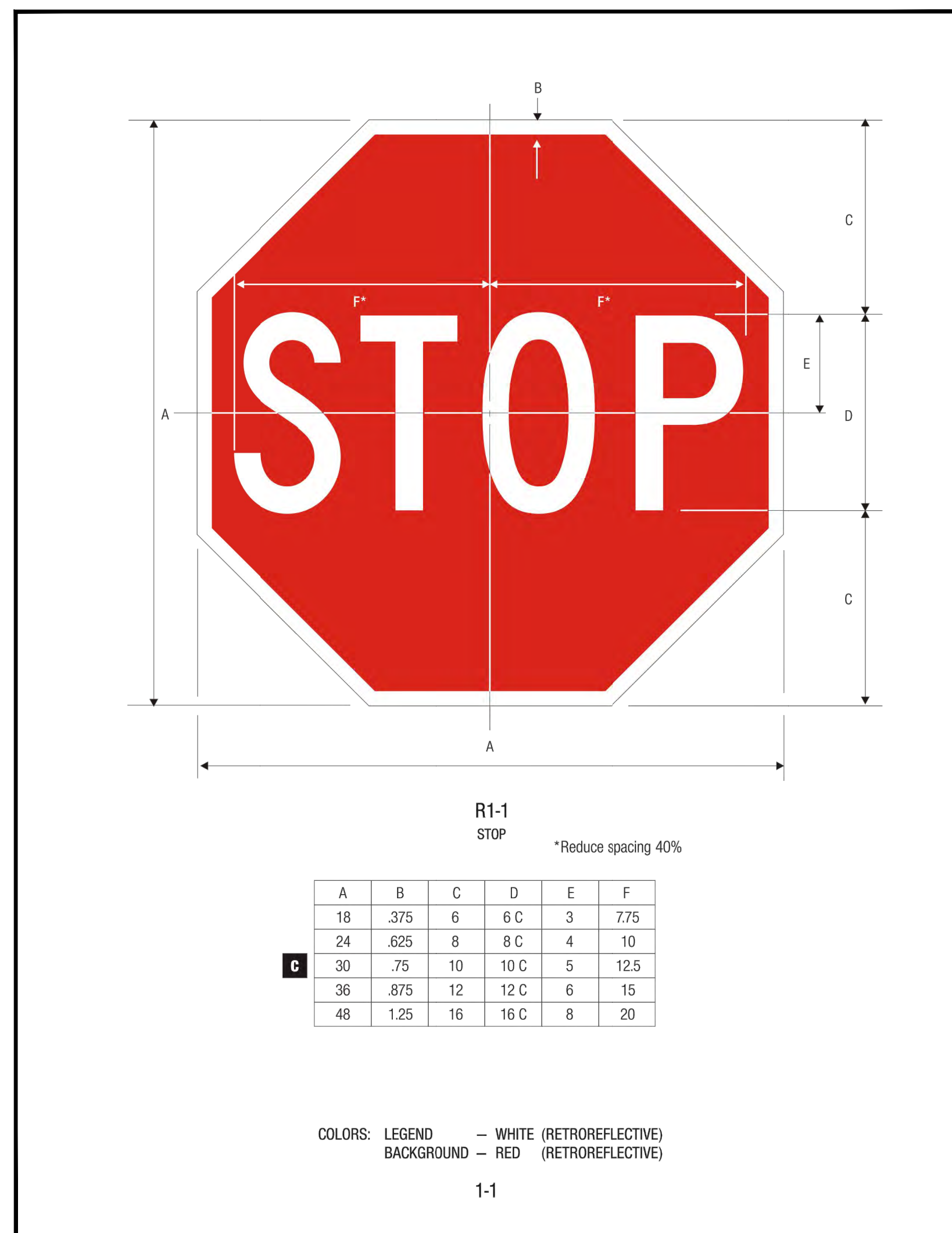
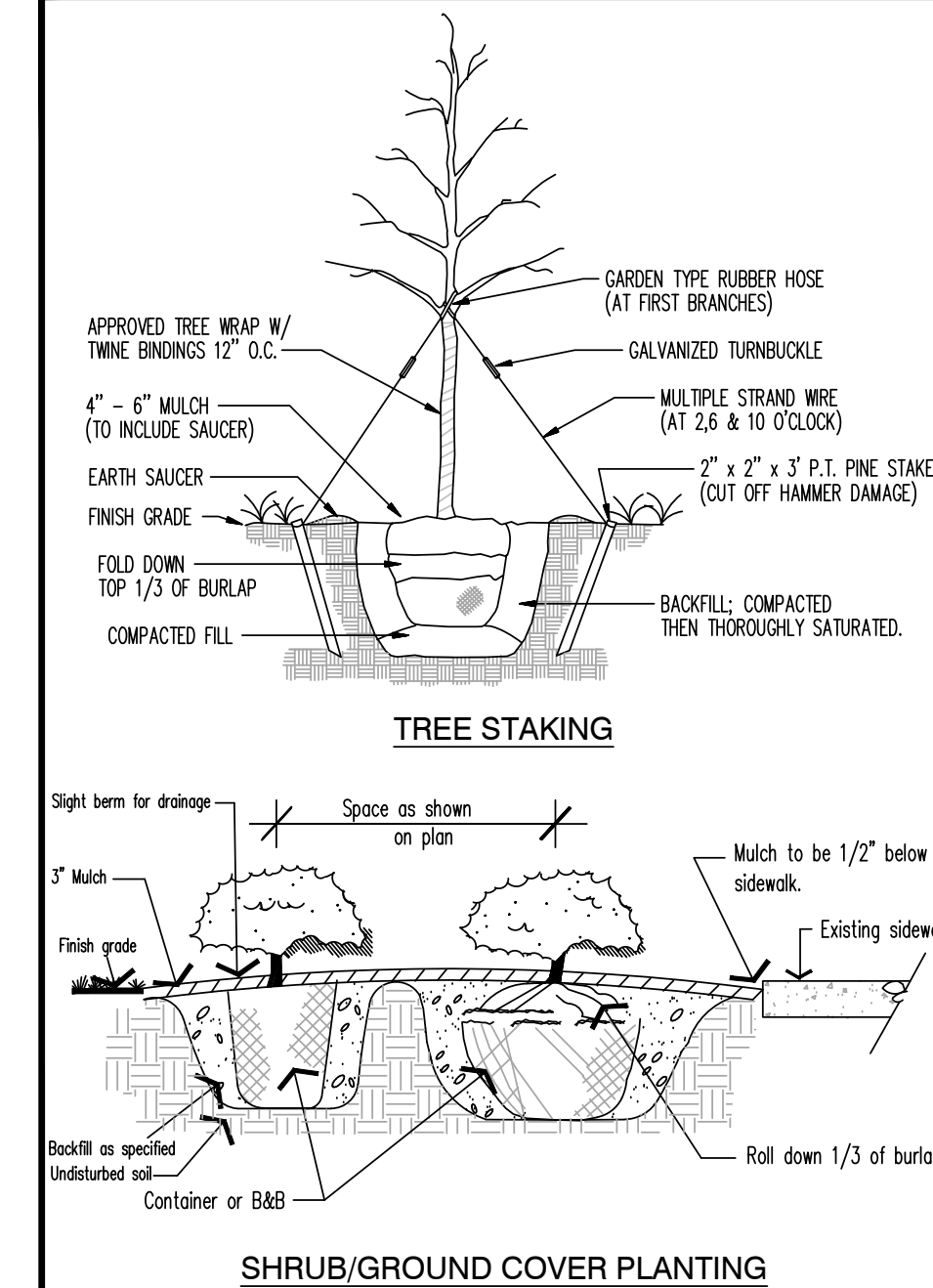
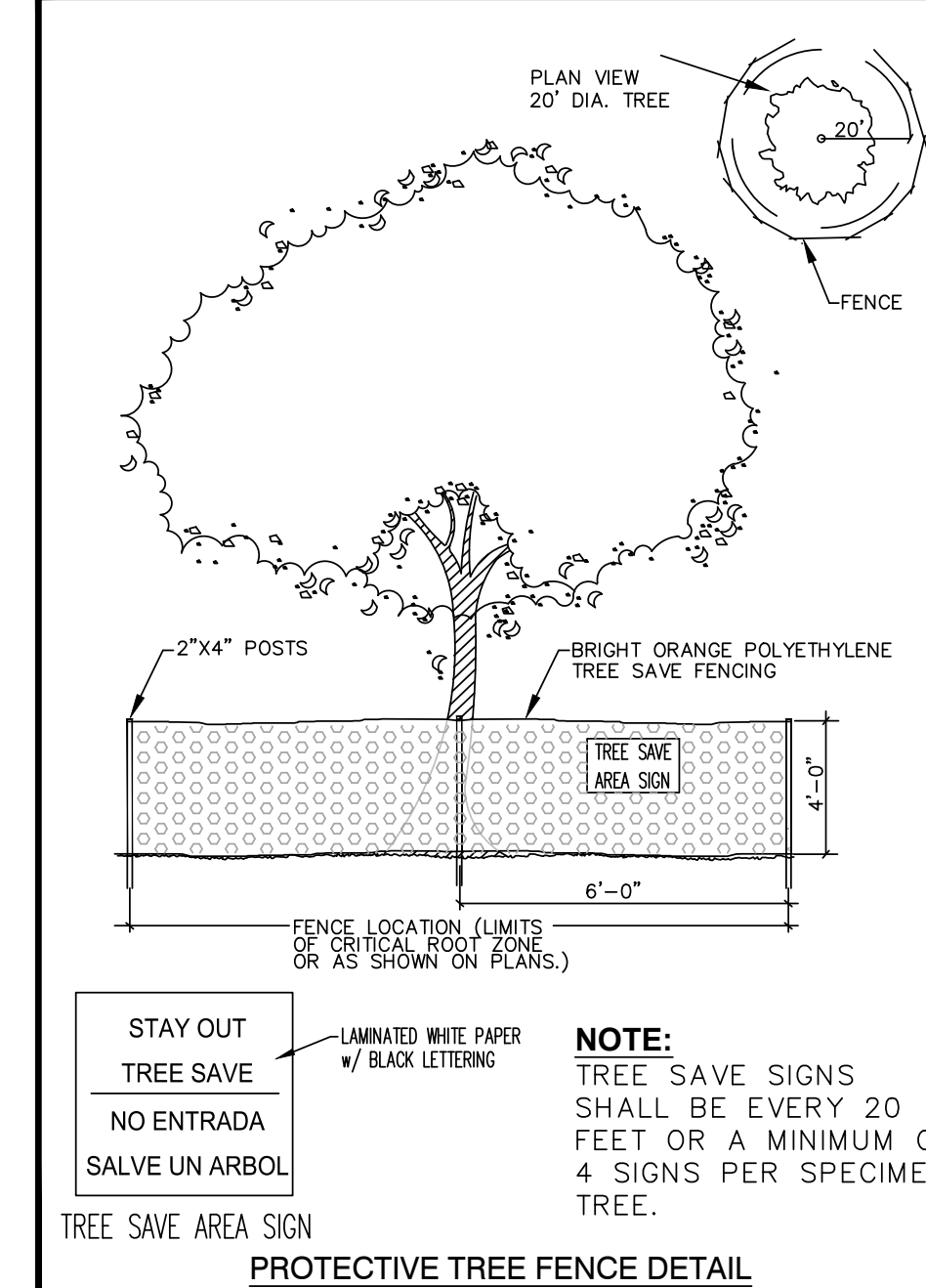
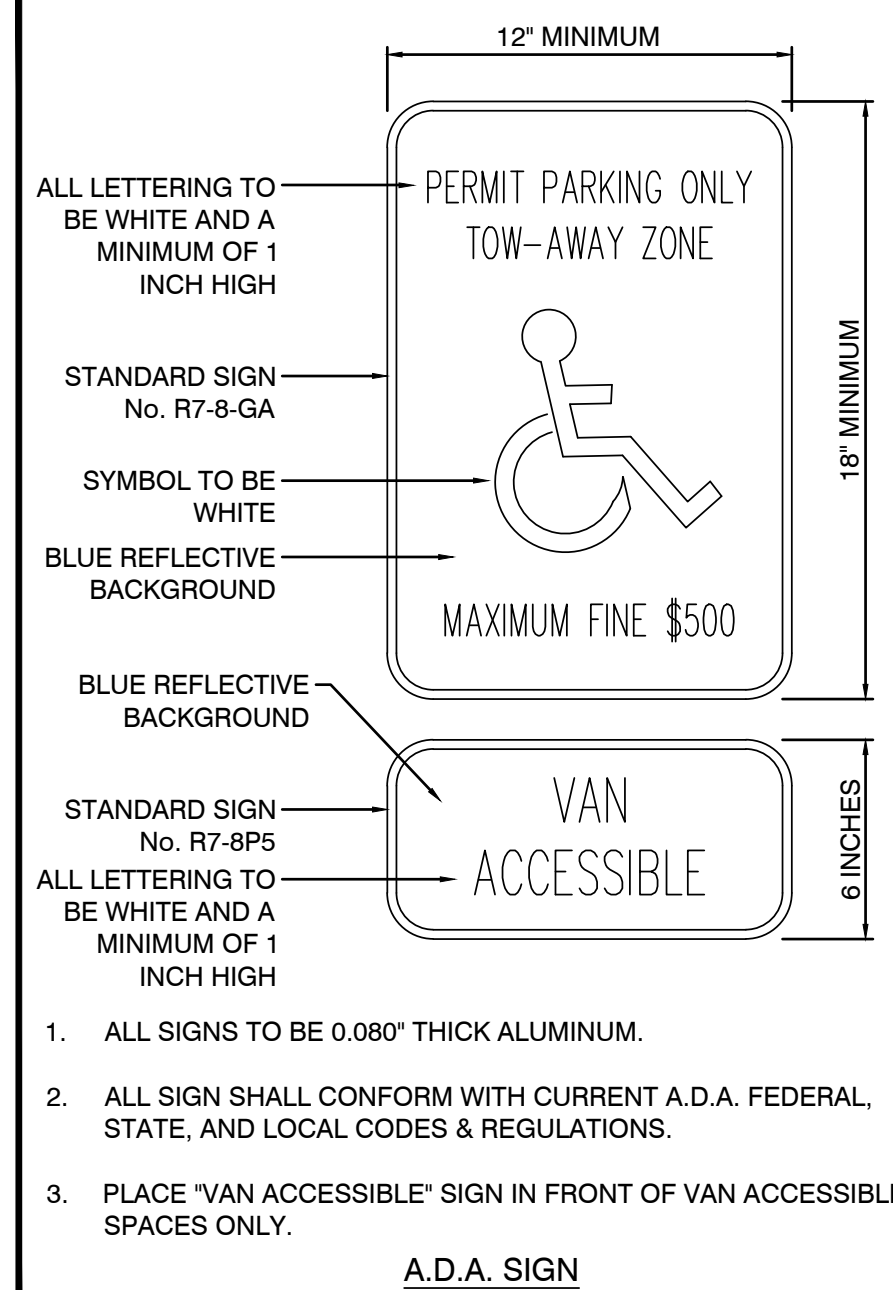
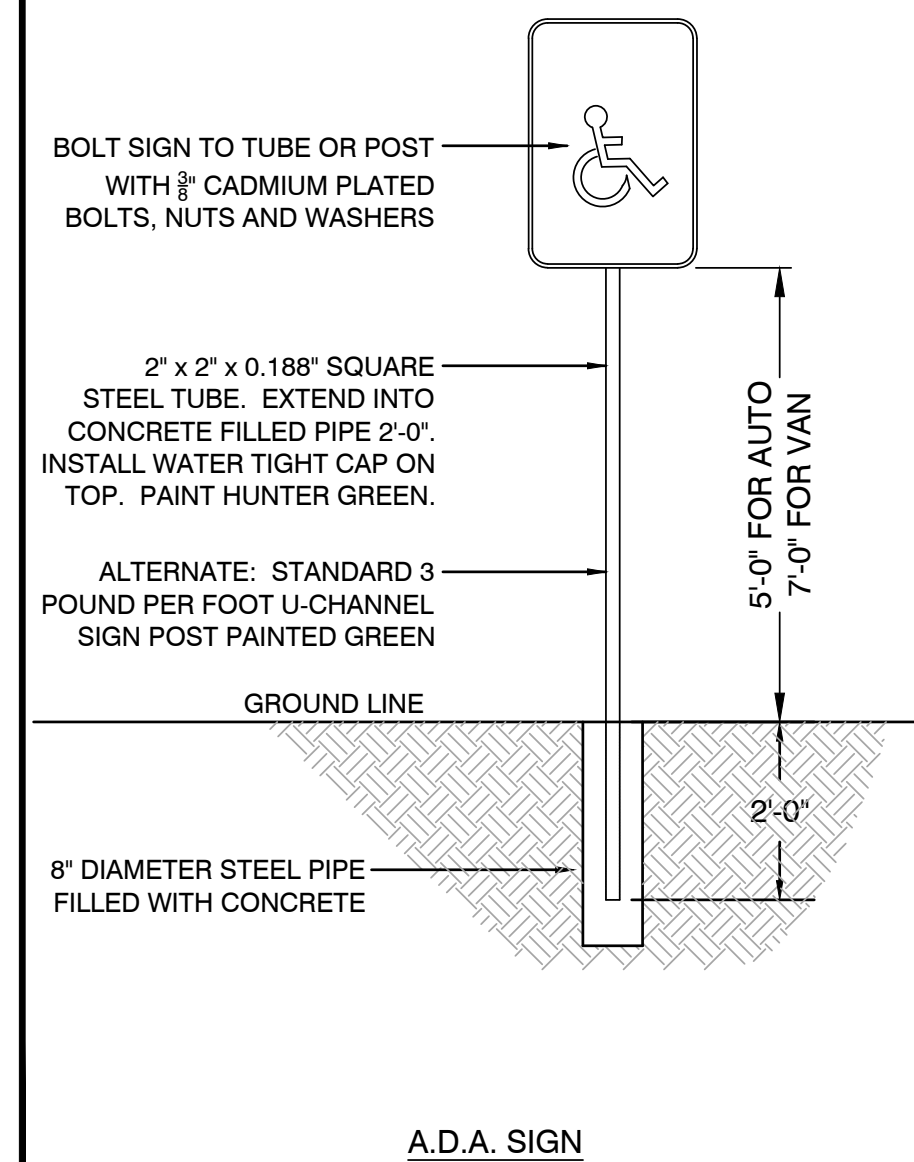
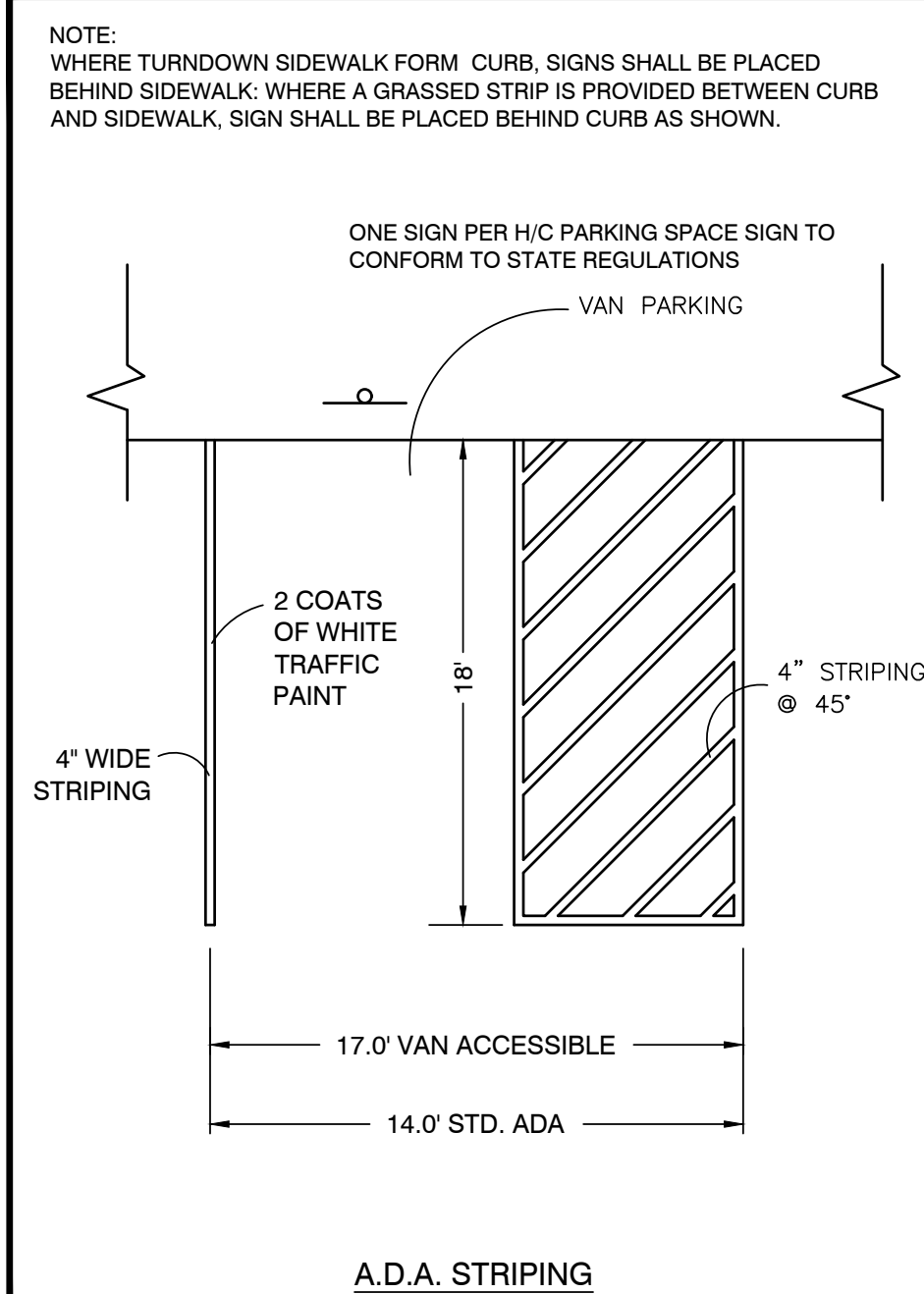
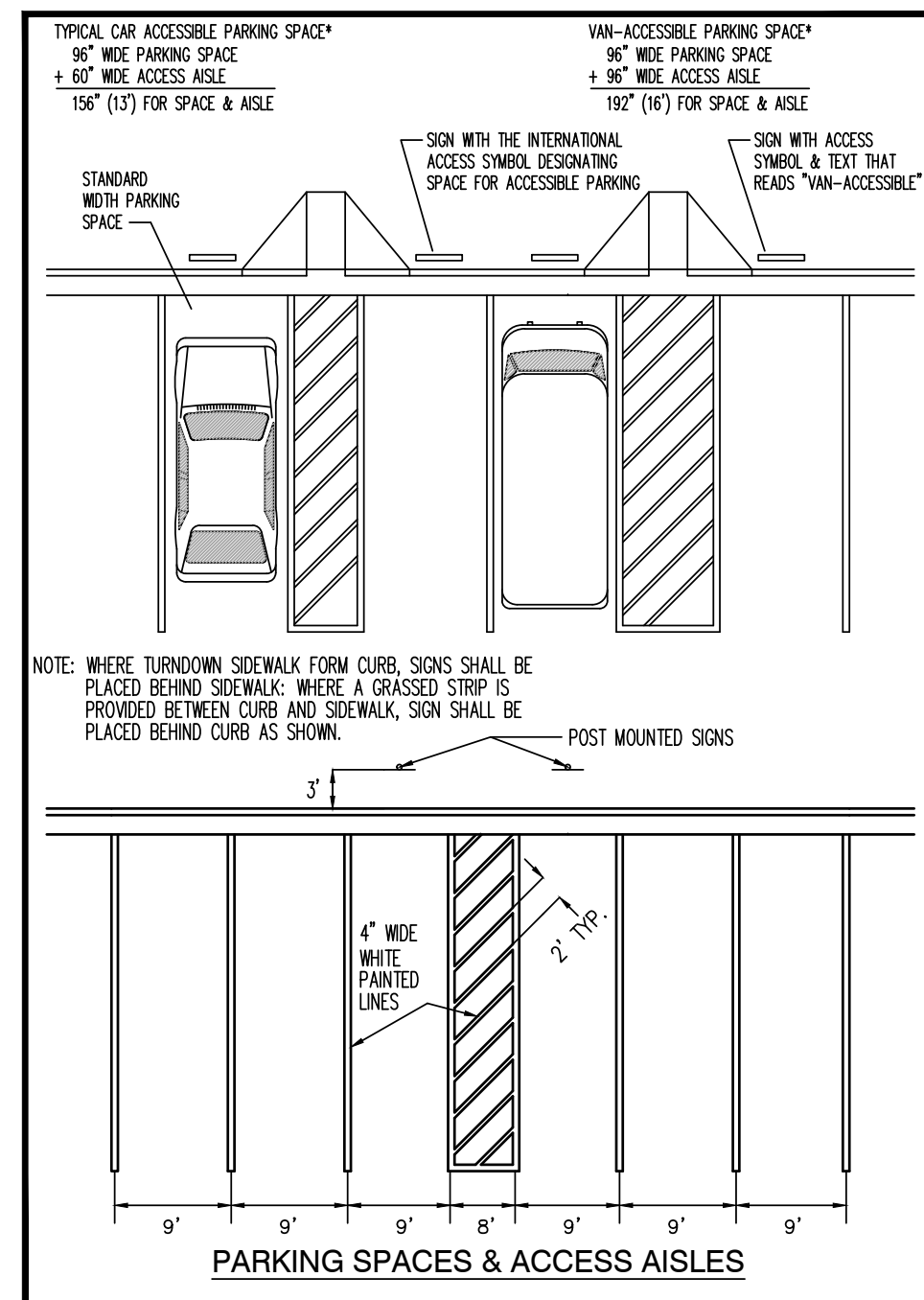
**HARRIS GRAY, LLC**  
ENGINEERS • SURVEYORS • PLANNERS  
CERTIFICATE OF AUTHORIZATION NO. PE0006540  
824 THIRD AVENUE • WEST POINT, GEORGIA 31833  
PHONE: (706) 645-5985

WHITESVILLE ROAD SOCCER COMPLEX  
TROUP COUNTY, LAGRANGE GA.  
SIGHT DISTANCE PROFILES

DATE: \_\_\_\_\_  
DRAWN BY: HG  
CHKD BY: JSH  
FILE NAME: WHITESVILLE ROAD SOCCER COMPLEX  
JOB NO.: GA-\_\_\_\_\_





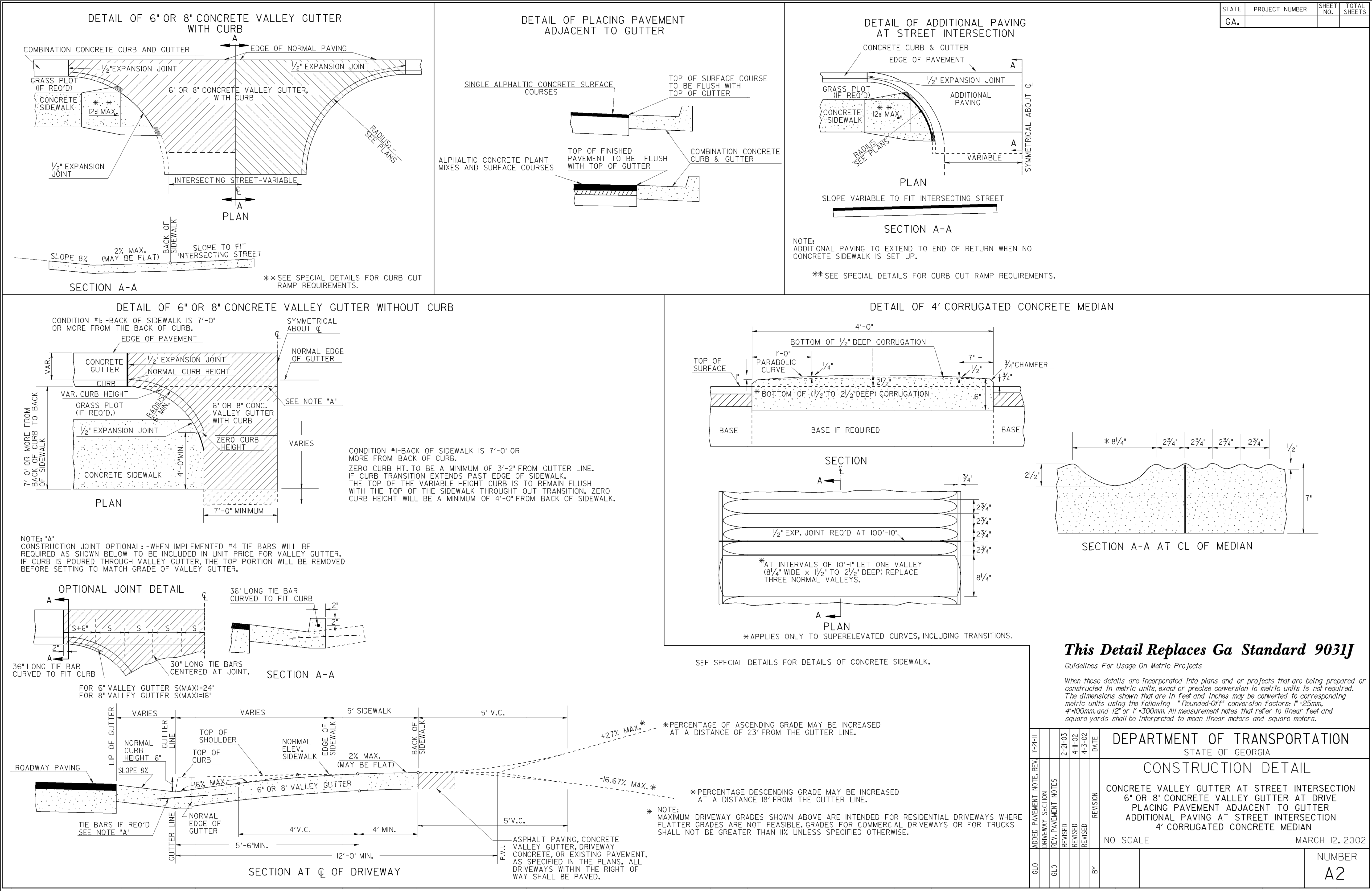


A	B	C	D	E	F
18	.375	6	6 C	3	7.75
24	.625	8	8 C	4	10
30	.75	10	10 C	5	12.5
36	.875	12	12 C	6	15
48	1.25	16	16 C	8	20

COLORS: LEGEND — WHITE (RETROREFLECTIVE)  
BACKGROUND — RED (RETROREFLECTIVE)

1-1



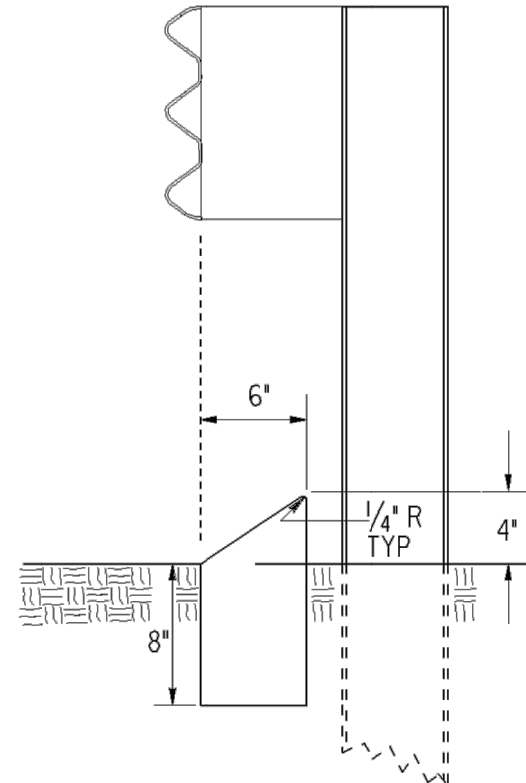








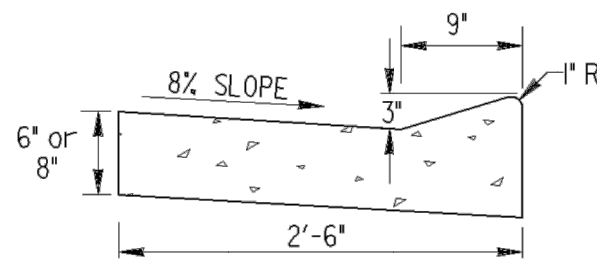
FACE OF CURB MUST ALIGN WITH BACK EDGE OF GUARDRAIL AND THE FACE OF THE OFFSET BLOCK.



TYPE 8

TYPE 8 CURB IS USED IN CONJUNCTION WITH GUARDRAIL CONNECTIONS TO CONCRETE BARRIER AS NOTED ON GA. STD. 40/2C.

RAISED EDGE WITH CONCRETE GUTTER

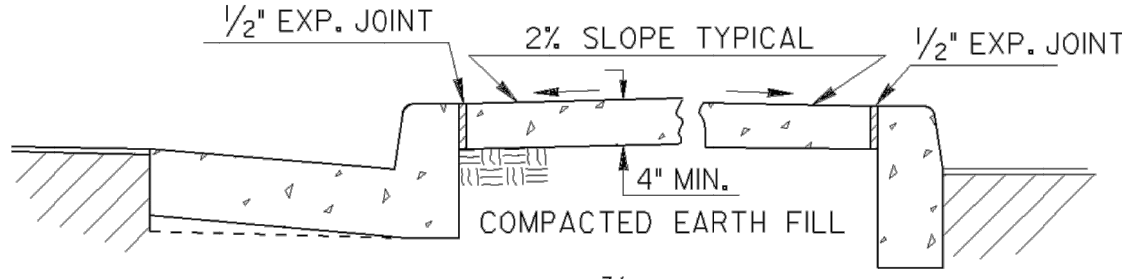


SCALE: 1" = 1 FT.

RAISED EDGE TO BE CONSTRUCTED WITH SAME CONCRETE MIX AS THE GUTTER AND SHALL BE FORMED MONOLITHIC WITH GUTTER. JOINTS IN RAISED EDGE SHALL MATCH THOSE IN THE GUTTER.

CONCRETE MEDIAN (Between Curbs)

NOTE: CURB TYPES SHOWN ARE TYPICAL. OTHER TYPES MAY BE SPECIFIED.



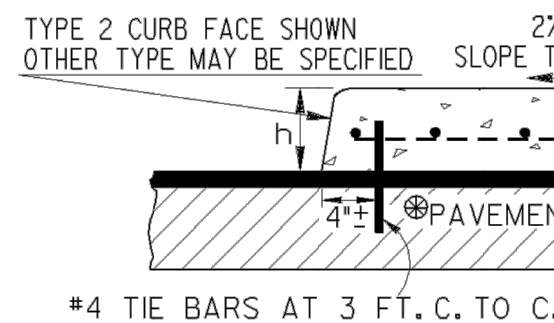
SCALE: 3/4" = 1 FT.

NOTE: WIDTH OF CONCRETE MEDIAN WILL BE AS SHOWN IN PLANS

CONCRETE MEDIANS (Integral)

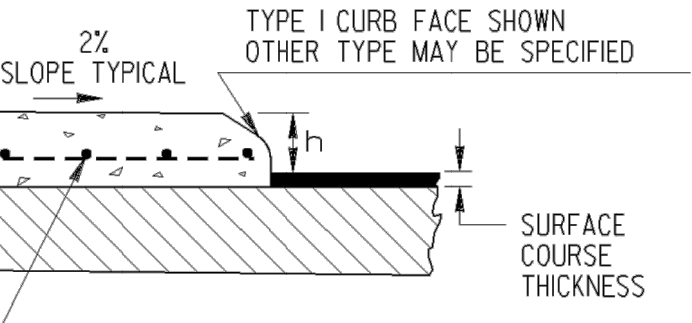
SCALE: 1" = 1 FT.

-WITH TIE BARS-



\*4 TIE BARS AT 3 FT. C. TO C.

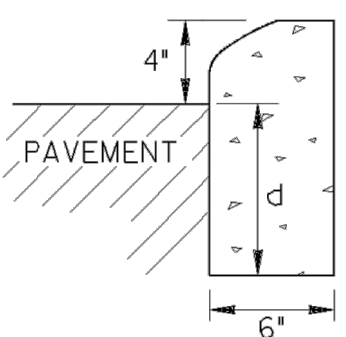
-WITHOUT TIE BARS-



\*3 BARS AT 12" C. TO C. BOTH WAYS OR 6 x 6-W2.9 x W2.9 WELDED WIRE FABRIC OR 4 x 4-W2.0 x W2.0 WELDED WIRE FABRIC

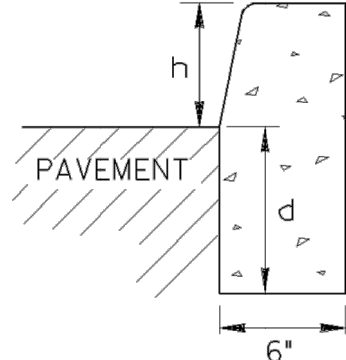
NOTE: IF FINAL SURFACE COURSE IN PRESENT OR MUST BE INSTALLED BEFORE THE CONCRETE MEDIAN CAN BE INSTALLED, THEN DOWELED IN CONCRETE MEDIAN IS REQUIRED.

CONCRETE HEADER CURBS

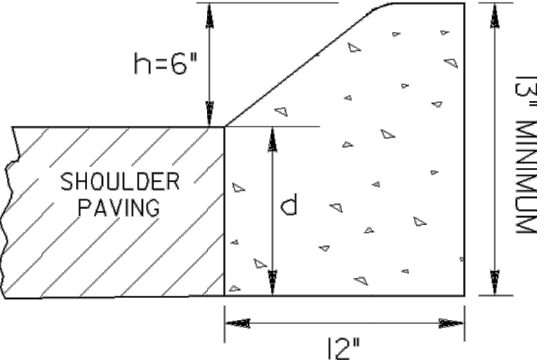


TYPE 1

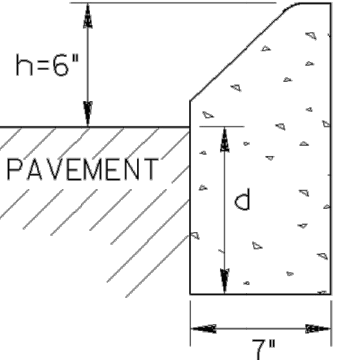
CURB TYPE	h	d
1	4"	6" min.
2	6"	8" min.
3	8"	10" min.
4	10"	12" min.
6	6"	7" min.
7	6"	8" min.
9	4"	8" min.



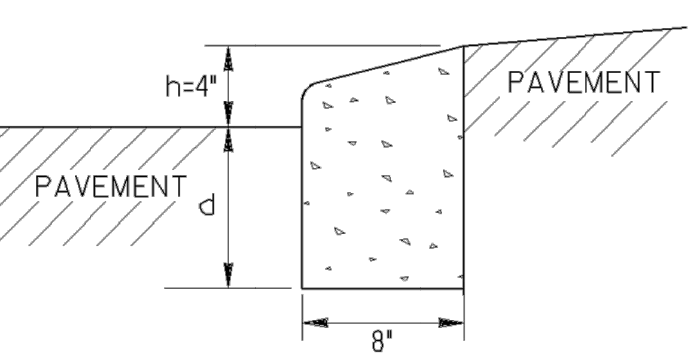
TYPE 2, 3 OR 4



TYPE 6



TYPE 7



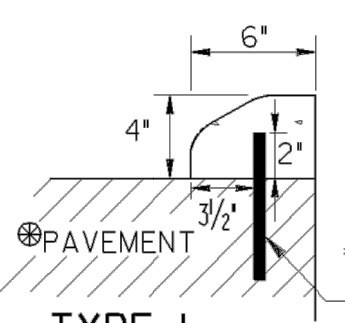
TYPE 9  
TRUCK APRON  
IN ROUNDABOUTS

SCALE: 1 1/2" = 1 FT.

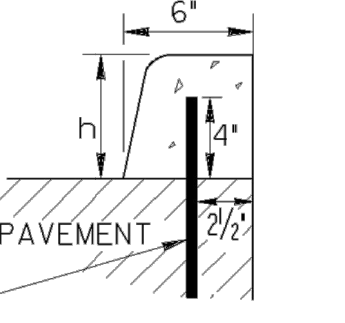
THE DIMENSION d MAY BE INCREASED AT CONTRACTOR'S OPTION SO BOTTOM OF HEADER CURB WILL ALIGN WITH BOTTOM OF PAVEMENT TYPICAL SECTION.

CONCRETE DOWELED INTEGRAL CURBS

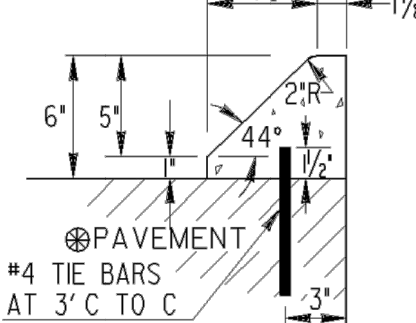
SCALE: 1" = 1 FT.



TYPE 1



TYPE 2, 3 OR 4



TYPE 7

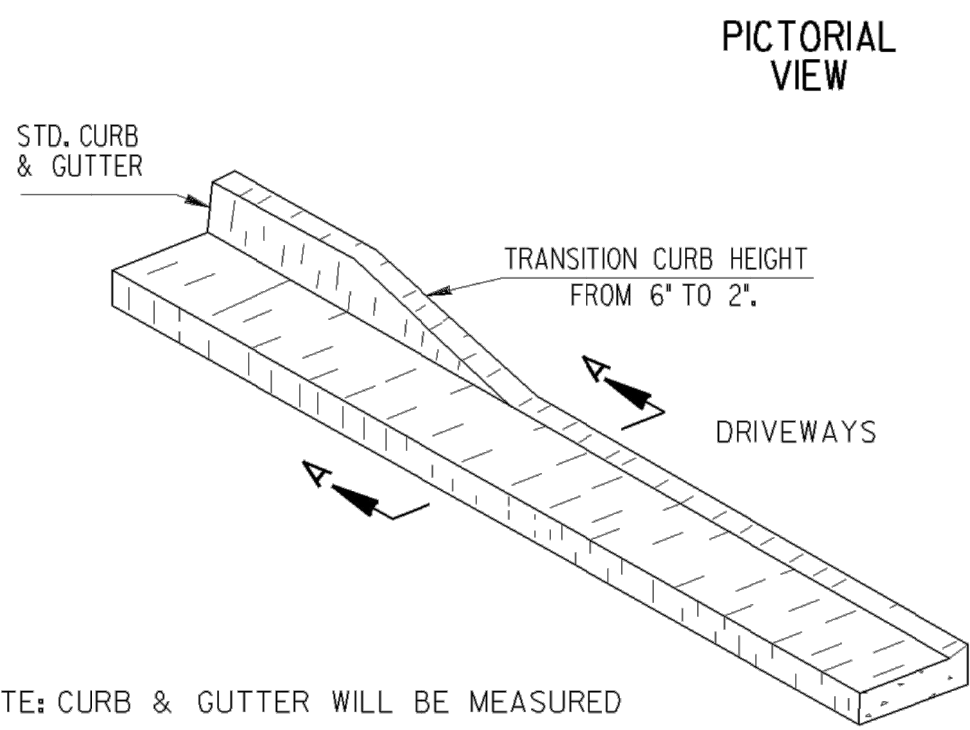
- NOTES:
- CONCRETE CURB CAN BE INSTALLED AFTER INITIAL SET AS LONG AS TIE BARS ARE DRILLED INTO UNDERLAYING CONCRETE PAVEMENT.
  - CONCRETE CURB CAN BE INSTALLED BEFORE INITIAL SET WITH DOWELS THAT ARE DRIVEN INTO UNDERLYING CONCRETE PAVEMENT.
  - JOINTS IN CURB AND CONCRETE MEDIAN WILL MATCH THOSE IN THE CONCRETE PAVEMENT.
  - ALL TYPES OF CONCRETE CURB CAN BE PLACED ON ASPHALT PAVEMENTS WHERE TIE BARS MAY BE EITHER DRIVEN OR DRILLED INTO THE UNDERLYING PAVEMENT. CONTRACTION JOINTS SHALL BE CONSTRUCTED IN CURB OR CONCRETE MEDIAN AT 20 FT. SPACING.

MINIMUM TIE BAR LENGTHS (FOR CONC. DOWELED CURBS OR CONC. MEDIAN)		
CURB TYPE	P.C. CONC. PAV.	ASPHALT PAV.
1	6"	8"
2, 3 or 4	8"	12"
7	6"	8"

NOTE: TIE BARS FOR DOWELED CURBS MAY BE UNCOATED PLAIN OR DEFORMED BILLET-STEEL BARS (GRADE 40) AS USED FOR CONCRETE REINFORCEMENT (AASHTO M-31)

DETAILS OF RECESSED CURB FOR DRIVEWAYS

NO SCALE



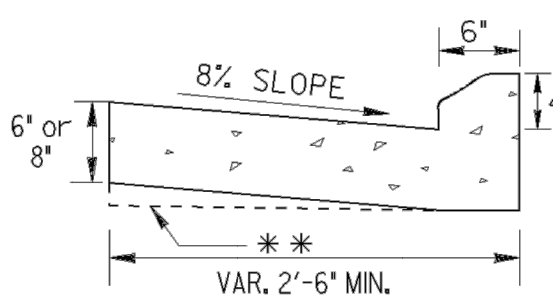
NOTE: CURB & GUTTER WILL BE MEASURED FOR PAYMENT THRU THE DRIVE



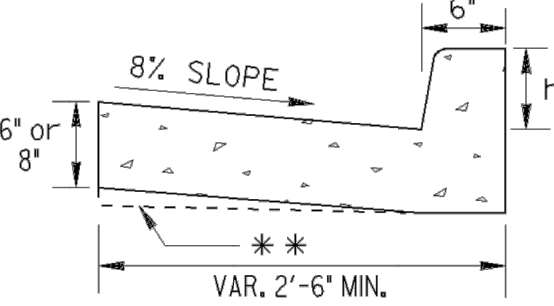
SECTIONAL VIEW  
SECTION A-A

(SEE SEPARATE CONSTRUCTION DETAILS FOR DRIVEWAYS)

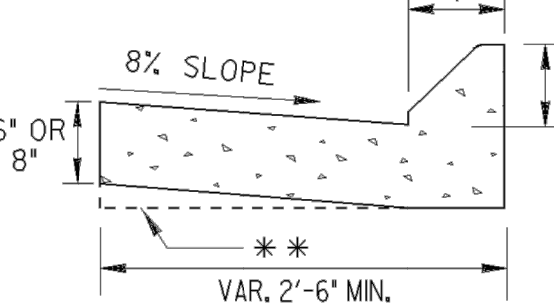
CONCRETE CURB & GUTTER



TYPE 1



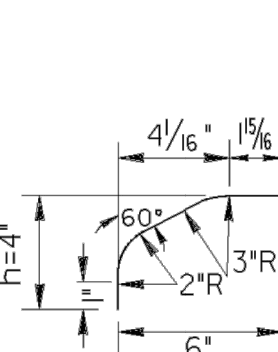
TYPE 2, 3 OR 4



TYPE 7

\*\* AT CONTRACTOR'S OPTION THE GUTTER THICKNESS MAY BE INCREASED AT EDGE OF PAVEMENT TO MAKE BOTTOM OF GUTTER PARALLEL WITH PAVING OF BASE COURSE, BUT THE GUTTER THICKNESS MUST NOT BE LESS THAN THE SPECIFIED 6" OR 8" AT ANY POINT.

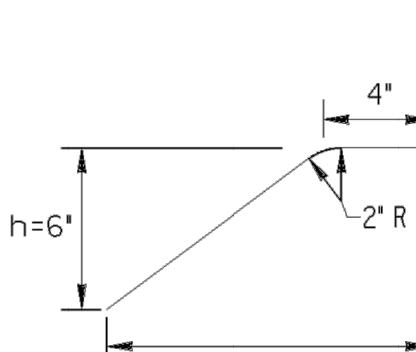
CURB FACE DESIGN



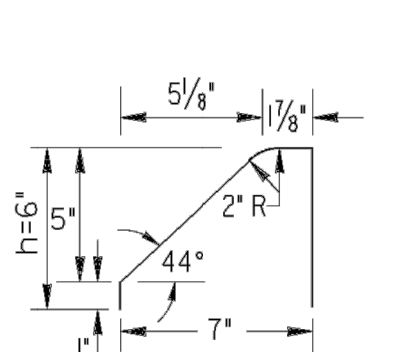
TYPE 1

TYPE	h
1	4"
2	6"
3	8"
4	10"
6	6"
7	6"
9	4"

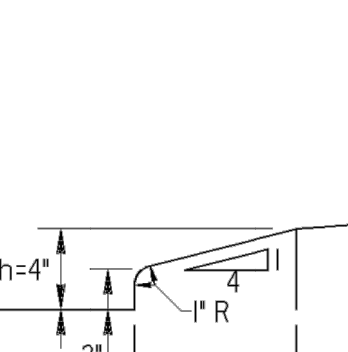
TYPE 2, 3 OR 4



TYPE 6



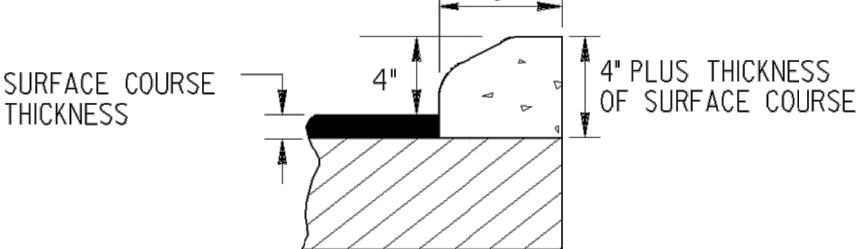
TYPE 7



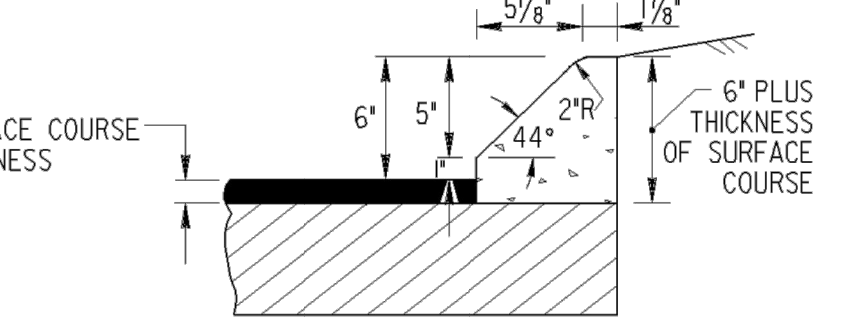
TYPE 9

SCALE: 2" = 1 FT.

CONCRETE INTEGRAL CURB



TYPE 1



TYPE 7

SCALE: 1 1/2" = 1 FT.

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

STANDARD  
CONCRETE CURB & GUTTER  
CONCRETE CURBS, CONCRETE MEDIANS

SCALE: AS SHOWN REVISED AND REDRAWN OCT. 2011

DES. (SUBMITTED) *[Signature]*  
DRAW. STATE DESIGN POLICY ENGINEER  
TRA. (APPROVED) *[Signature]*  
CHK. CHIEF ENGINEER

NUMBER  
9032B

WHITESVILLE ROAD SOCCER COMPLEX  
TROUP COUNTY, LAGRANGE GA.  
GDOT - CONSTRUCTION  
DETAILS 3

DATE 10/06/2023  
DRAWN BY HG  
CHKD BY JSH  
FILE NAME DETAILS  
JOB NO. GA-----





