CONSTRUCTION PLANS FOR OCONEE COUNTY INTERSECTION IMPROVEMENTS -SNOWS MILL RD at LANE CREEK RD

SHEET INDEX	
SHEET TITLE	SHEET NUMBER
COVER SHEET	C000
LEGEND & NOTES	C001
EXISTING CONDITIONS & DEMOLITION PLAN	C101
LAYOUT & PAVING PLAN	C201
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STRIPING & SIGNAGE PLAN	C401
EROSION CONTROL PLAN-PHASE 1	C501
EROSION CONTROL PLAN-PHASE 2	C502
SITE UTILITY PLAN	C601
LANDSCAPE DETAILS	C701
CONSTRUCTION DETAILS-1	C801
CONSTRUCTION DETAILS-2	C802

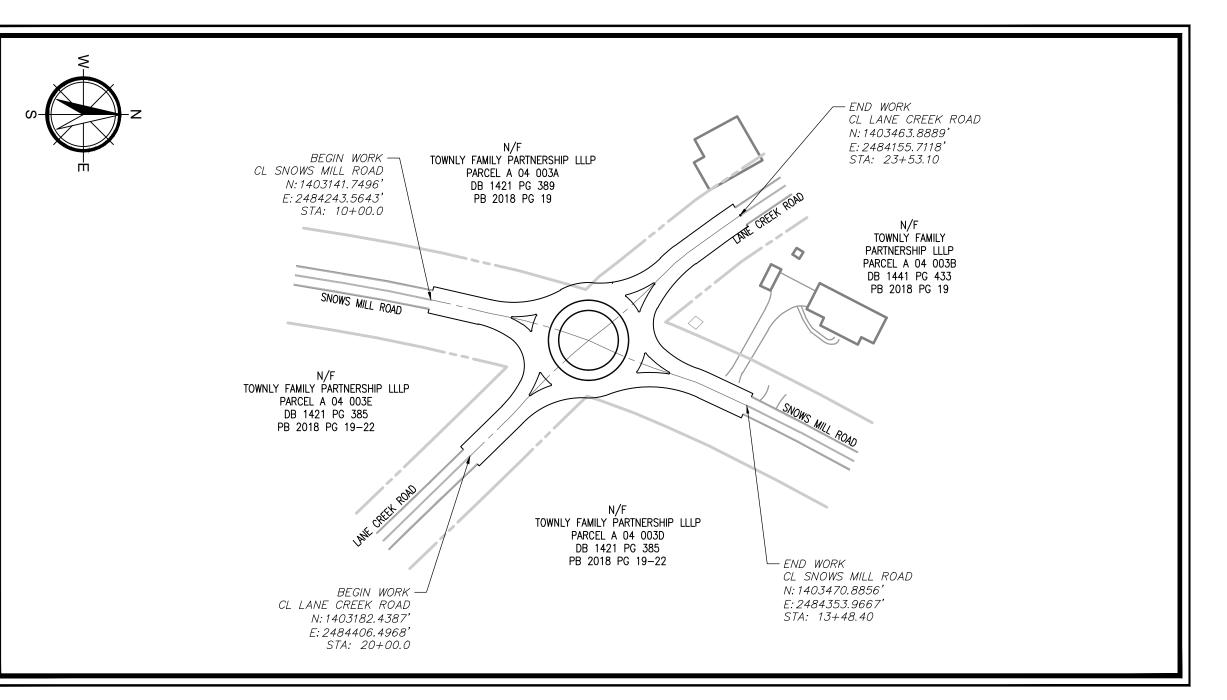
SITEWORK	CO	NST	RUC	CIT	N S	CHE										
ACTIVITY	_		_					WEE	<u> </u>						1	
	1	2	3	4	5	6	LZ	8	9	10	11	12	13	14	15	END OF PROJECT
SEDIMENT CONTROL	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	x
GRADE SITE	X	X	X	X	X	X	X	X	X	X						
RETAINING WALL		X	X	X	X	X	X	X	X	X						
FINE GRADING		1						X	X	X	X	X		1	1	
TEMP.GRAMBING				X	X	X	X	X	X	X	X	X		1	1	
FOUNDATION					X	X	X	X	X	X	X	X				
BUILDING									X	X	X	X	X	X	X	X
PERM.GRAMBING													X	X	X	X
UTILITY			X	X	X	X	X	X								
PAVING											X	X				
PERMANENT VEGETATION													X	X	X	X
REMOVE TEMP. BARRIERS															X	X

PROJECT INFORMATION
NET LENGTH OF PROJECT ALONG SNOWS MILL ROAD: 0.07 MILES
NET LENGTH OF PROJECT ALONG LANE CREEK ROAD: 0.07 MILES
GROSS LENGTH OF PROJECT: 0.14 MILES
AREA DISTURBED ON SNOWS MILL ROAD: 0.44 ACRES
AREA DISTURBED ON LANE CREEK ROAD: 0.43 ACRE
TOTAL DISTURBED AREA: 0.87 ACRES
SPEED LIMIT ON SNOWS MILL ROAD: 55 MPH
SPEED LIMIT ON LANE CREEK ROAD: 50 MPH

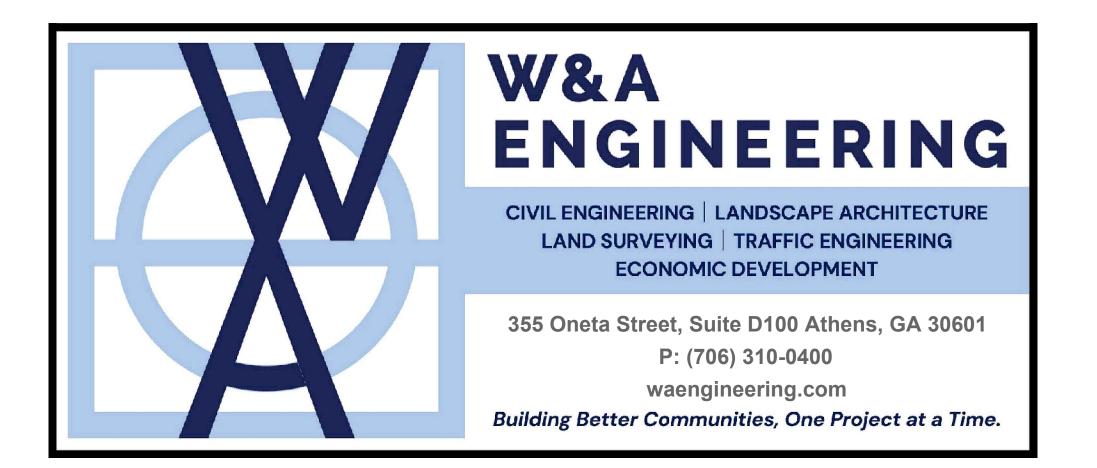
24 HR CONTACT: JODY WOODALL 1291 Greensboro Highway Watkinsville, GA 30677 706-769-2937

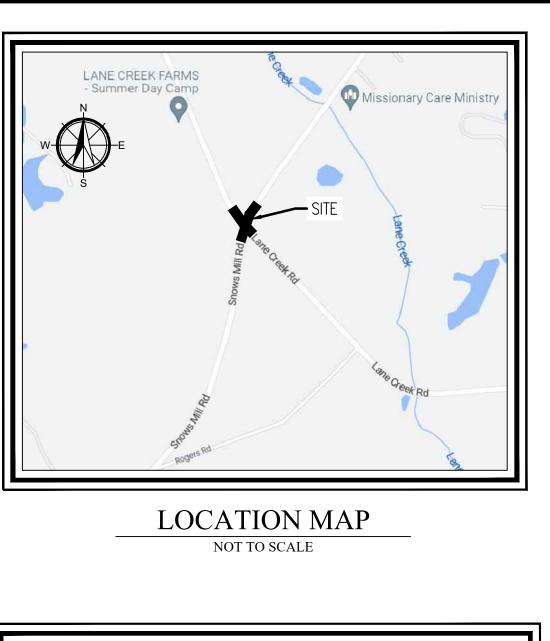
SHOULD 24 HOUR CONTACT CHANGE, NOTIFICATION MUST BE MADE TO BUILDING INSPECTOR IMMEDIATELY.

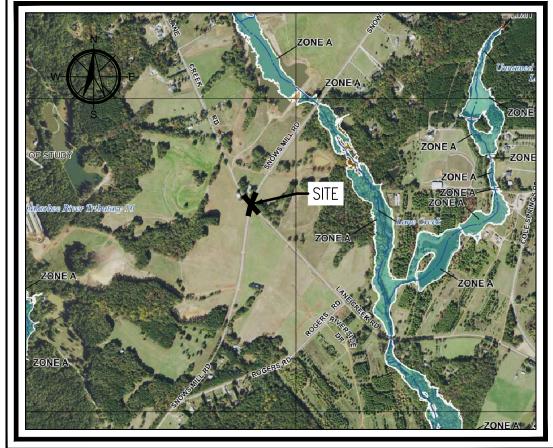
OCONEE COUNTY, GEORGIA ISSUED 12/6/2024 PROJECT #CTS22027



PROJECT MAP SCALE: 1" = 100'







FEMA MAP NOT TO SCALE

OWNER:

OCONEE COUNTY PUBLIC WORKS

ENGINEER:

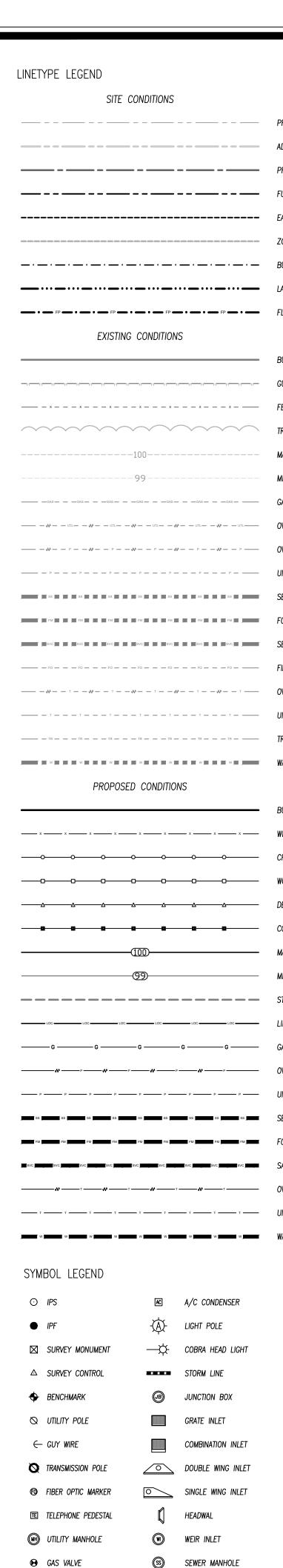
W&A ENGINEERING 355 ONETA STREET, SUITE D100 ATHENS, GA 30601 ATTN: DAVID C. MILLS, PE 513.532.4444

SURVEYOR:

W&A ENGINEERING 355 ONETA STREET, SUITE D100 ATHENS, GA 30601 ATTN: JOHN BREWER, RLS 770.757.4760







GAS GAS METER

© GAS MARKER

► WATER VALVE

- HYDRANT

	ABBF GENE
	ø
PROJECT PROPERTY LINE	AC APPRX
ADJACENT PROPERTY LINE	ARCH BLDG
PR. LOT LINE	BM BOC
FUTURE R\W LINE	BSL
EASEMENT	C C&G
ZONING DEMARCATION LINE	C.O. C/L
BUFFER OR SETBACK LINE	CF
LAKE	CFS CL
FLOODPLAIN	CN
	CONC CY
BUILDING	DEG DEMO
GUARD RAIL	DEMO DIA
FENCE	E ELEV
TREELINE	EOP EX
MAJOR CONTOUR LINE	EXT
MINOR CONTOUR LINE	FFE FOC
GAS LINE	FT
OVERHEAD UTILITY LINE	FT/SEC GA
OVERHEAD POWER LINE	gab Gal
UNDERGROUND POWER LINE	GPM
SEWER LINE	GSF H
FORCE MAIN	H:V HC
SERVER SERVICE LINE	HGL
FIBER-OPTIC LINE	HORIZ LF
OVERHEAD TELECOM LINE	MAX ME
UNDERGROUND TELECOM LINE	MEP
TRAFFIC SIGNAL LINE	MIN N
WATER LINE	NTS OC
	OSSA
BUILDING	PR PSI
WIRE FENCE	PSL Q
CHAIN LINK	Q#
WOODEN FENCE	R/W REV
DECORATIVE FENCE	ROW
COMPOSITE PRIVACY FENCE	SF SR
MAJOR CONTOUR	SRV STD
MINOR CONTOUR	SVC
STORMWATER FACILITY	SY TBA
LIMITS OF DISTURBANCE	tbf Tbr
GAS LINE	TCO
OVERHEAD POWER LINE	temp Th
UNDERGROUND POWER LINE	TPF
SEWER LINE	typ Vert
FORCE MAIN	W WSE
SANITARY SERVICE LINE	YR
OVERHEAD TELECOM LINE	zdl <u>SURVI</u>
UNDERGROUND TELECOM LINE	ARC CH
WATER LINE	CMF
	DB IPF
	IPS
₽ [™] WATER ELBOW	LL OTP
∎∓∎ WATER TEE	P/L PB
₩ WATER CROSS	PL
⊢∃ WATER CAP	POB R
⊯ WATER REDUCER	<u>UTILIT</u>
✓ WATER PLUG	catv Dip
🗳 REMOTE FDC	F0 IE
😋 FDC	INV
POST INDICATOR VALVE	LPL PP
WATER METER	PT PVC
UTILITY VAULT	SIG
DOUBLE CHECK VALVE	T TP
DOUBLE DETECTOR CHECK VALVE	tped Trans
REDUCE PRESURE	UGC UGP
ZONE ASSEMBLY	UGT VCP
	VUT

	TIONS
<u>RAL</u>	DIAMETER
	ACRES APPOXIMATE
	ARCHITECTURAL BUILDING BENCHMARK
	BACK OF CURB BUILDING SETBACK LINE
	COMPACT PARKING SPACE CURB & GUTTER
	CERTIFICATE OF OCCUPANCY CENTERLINE
	CUBIC FEET
	CUBIC FEET/SECOND CENTERLINE
	CURVE NUMBER CONCRETE
	CUBIC YARD(S)
	DEGREE(S) DEMOLITION
	DIAMETER EASTING
	ELEVATION
	EDGE OF PAVEMENT EXISTING
	Extension Finished floor elevation
	FACE OF CURB
2	FOOT / FEET FEET PER SECOND
	GAUGE GRADED AGREGATE BASE
	GALLON(S)
	GALLONS PER MINUTE GROSS SQUARE FOOTAGE
	HEIGHT HORIZONTAL:VERTICAL
	HANDICAP PARKING SPACE
	HYDRAULIC GRADE LINE HORIZONTAL
	LINEAR FOOT MAXIMUM
	MATCH EXISTING
	MECHANICAL, ELECTRICAL, AND PLUMBING
	NORTHING NOT TO SCALE
	ON CENTER OPEN SOIL SURFACE AREA
	PROPOSED
	POUNDS PER SQUARE FOOT PARKING SETBACK LINE
	FLOW RATE. #YEAR FLOW RATE
	RIGHT-OF-WAY
	REVISION RIGHT-OF-WAY
	SQUARE FOOT STATE ROUTE
	SERVICE/SERVICE LINE
	STANDARD SERVICE/SERVICE LINE
	SQUARE YARD
	TO BE ABANDONED TO BE FILLED
	TO BE REMOVED TEMPORARY CERTIFICATE OF OCCUPANCY
	TEMPORARY THICKNESS
	TREE PROTECTION FENCING
	TYPICAL VERTICAL
	WIDTH WATER SURFACE ELEVATION
	YEAR
<u>EY</u>	ZONING DEMARCATION LINE
	LENGTH OF CURVE LENGTH OF CHORD
	CONCRETE MONUMENT FOUND
	DEED BOOK IRON PIN FOUND
	IRON PIN SET – 1/2" REBAR LAND LOT
	OPEN TOP PIPE
	PROPERTY LINE PLAT BOOK
	PROPERTY LINE POINT OF BEGINNING
	RADIUS OF CURVE
<u>Y–GEI</u>	<u>NERAL</u> CABLE TELEVISION
	DUCTILE IRON PIPE FIBER OPTIC
	INVERT ELEVATION
	INVERT ELEVATION LIGHT POLE
	POWER POLE POWER TELEPHONE POLE
	POLYVINYL CHLORIDE PIPE
	TRAFFIC SIGNAL TELECOMMUNICATIONS
	TELEPHONE POLE UNDERGROUND TELEPHONE PEDESTAL
	TRANSFORMER
	UNDERGROUND CABLE TELEVISION LINE UNDERGROUND POWER LINE
	UNDERGROUND TELEPHONE LINE VITRIFIED CLAY PIPE

<u>UTILITY-SA</u>	NITARY SEWER
CO	CLEAN OUT
FM	FORCEMAIN
МН	MANHOLE
SAN	SANITARY SEWER
SS SSMH	SANITARY SEWER SANITARY SEWER MANH(
UTILITY-ST	
ACCMP	ALUMINIUM COATED COF
BCCMP	BITUMINOUS COATED CO
CB	CATCH BASIN
CMP	CORRUGATED METAL PIF
DI	DROP INLET
DWCB	DOUBLE WING CATCH B
FES	FLARED END SECTION
GI	GRATE INLET
HDPE	HIGH DENSITY POLYETH
HGI HGL	HOODED GRATE INLET HYDRAULIC GRADE LINE
HW	HEADWALL
JB	JUNCTION BOX
LWCB	LEFT WING CATCH BASI
OCS	OUTLET CONTROL STRUC
RCP	REINFORCED CONCRETE
RD	ROOF DRAIN
RWCB	RIGHT WING CATCH BAS
SD	STORM DRAIN
<u>UTILITY-WA</u>	
FDC	FIRE DEPARTMENT CON
BFP	BACKFLOW PREVENTER DOUBLE DETECTOR CHE
DDC FH	FIRE HYDRANT
GV	GATE VALVE
HYD	FIRE HYDRANT
PIV	POST INDICATOR VALVE
WM	WATER METER
WV	WATER VALVE
EASEMENTS	2
DE	DRAINAGE EASEMENT
SSE	SANITARY SEWER EASEM
	UTILITY EASEMENT
<u>SPOT ELEV</u>	
BC BW	BOTTOM OF CURB BOTTOM GRADE AT WAL
HP	HIGH POINT
LP	LOW POINT
Ρ	PAVEMENT
TC	TOP OF CURB
TW EROSION C	TOP GRADE AT WALL CONTROL AND WATEF
	BEST MANAGEMENT PRA
BMP d50	AVERAGE RIP-RAP STO
dmax	MAXIMUM RIP-RAP STO
dmin	MINIMUM RIP-RAP STON
Тс	TIME OF CONCENTRATIO
DEPARTMEN	<u>NTS / PERMITS / L</u>
AASHTO	AMERICAN ASSOCIATION
	TRANSPORTATION OFFICI
ADA	AMERICANS WITH DISABI
ASTM	AMERICAN SOCIETY FOR
DNR EIT	DEPARTMENT OF NATUR
EN EPA	ENGINEER IN TRAINING ENVIRONMENTAL PROTEC
EPD	ENVIRONMENTAL PROTEC
F.I.R.M.	FLOOD INSURANCE RATE
FEMA	FEDERAL EMERGENCY
FIS	FLOOD INSURANCE STU
GDOT	GEORGIA DEPARTMENT (
GPS	GLOBAL POSITIONING SY
GRTA	GEORGIA REGIONAL TRA
GSWCC	GEORGIA SOIL AND WAT
LDP	COMMISSION LAND DISTURBANCE PEF
LLC	LIMITED LIABILITY CORPO
LOD	LIMITS OF DISTURBANCE
MUTCD	MANUAL OF UNIFORM T
NPDES	NATIONAL POLLUTANT D
	SYSTEM
NFIP	NATIONAL FLOOD INSUR
NFPA	NATIONAL FIRE PROTECT
NRCS PE	NATIONAL RESOURCE CO PROFESSIONAL ENGINEE
PL PLA	PROFESSIONAL LANDSCA
RLS	REGISTERED LAND SURV
USGS	UNITED STATES GEOLOG

UTILITY CONTACTS:
<u>WATER</u> OCONEE COUNTY LANCE RAINES: (706)–215–1845
<u>POWER</u> GA POWER JAMES CHILDS: (770)—266—2368
<u>TELEPHONE</u> AT&T BRIAN GORDON: (404)–317–8648
<u>FIBER</u> LIGHT SOURCE JIMMY PAYTON: (850)-232-7220

IOLE	

- DRRUGATED METAL PIPE CORRUGATED METAL PIPE
- PE
- BASIN
- HYLENE
- -
- SIN
- UCTURE
- : PIPE
- SIN
- NECTION
- ieck valve

- MENT

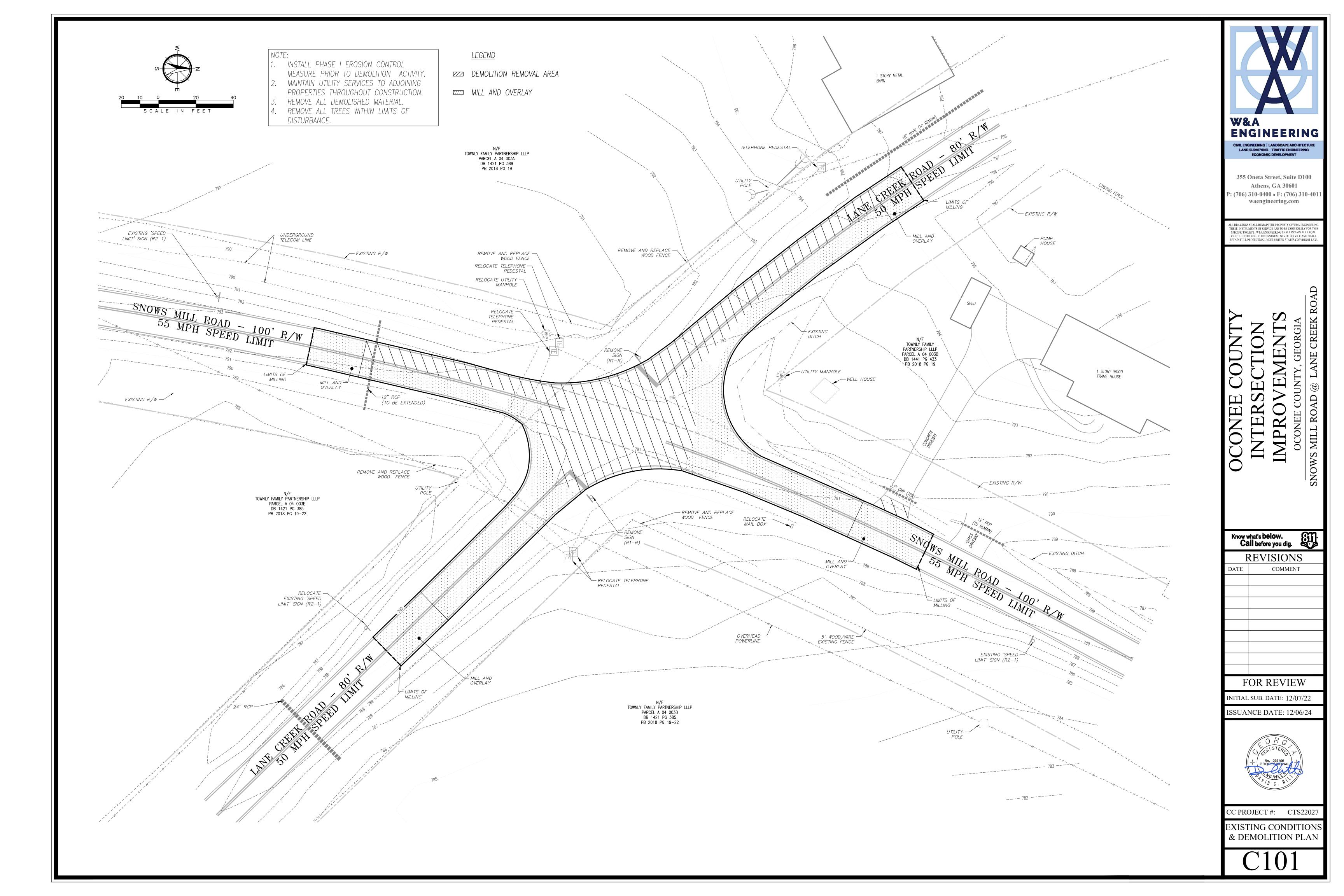
- L
- <u>ER QUALITY</u>
- ACTICE ONE DIAMETER
- one diameter
- one diameter
- N
- LICENSURE
- N OF STATE HIGHWAY AND
- cials Bilities act
- r testing and materials
- RAL RESOURCES
- ECTION AGENCY
- ection division
- E MAP
- MANAGEMENT AGENCY
- OF TRANSPORTATION
- SYSTEM
- ANSPORTATION AUTHORITY
- ER CONSERVAI
- ermit Poration
- Ξ
- TRAFFIC CONTROL DEVICES DISCHARGE ELIMINATION
- RANCE PROGRAM
- CTION AGENCY
- CONSERVATION SERVICE
- CAPE ARCHITECT
- RVEYOR
- GICAL SURVEY

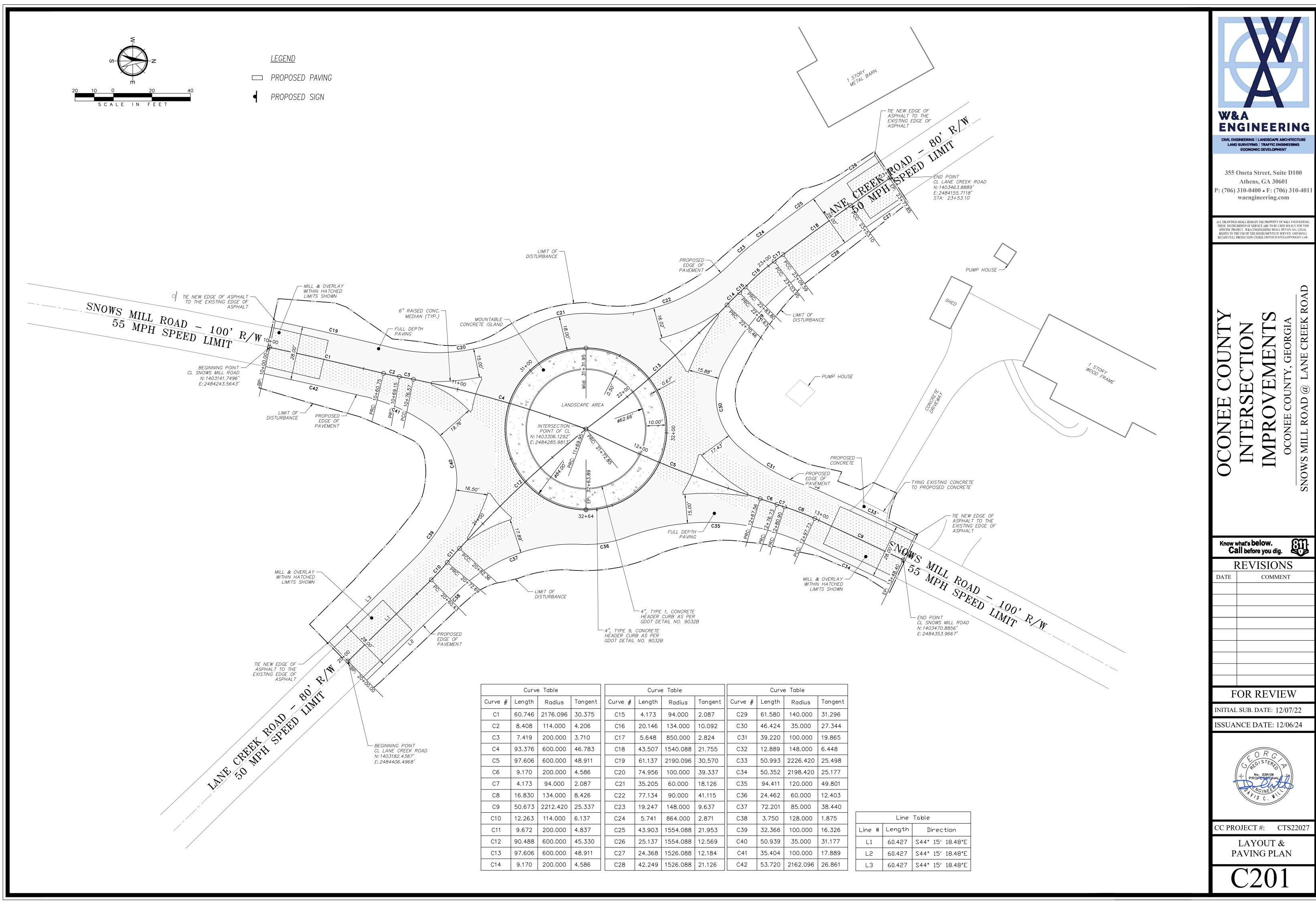
- 1. THE GENERAL NOTES ARE TO BE SUPPLEMENTED BY ANY AND ALL OTHER NOTES CONTAINED WITHIN THE
- CONSTRUCTION PLANS. 2. THE CONTRACTOR SHALL ENSURE THAT A COMPLETE SET OF CONSTRUCTION PLANS IS KEPT ON THE JOB SITE AT
- ALL TIMES. 3. ALL WORK TO BE DONE IN ACCORDANCE WITH THE GEORGIA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION OF TRANSPORTATION SYSTEMS." 2021 EDITION WITH SUPPLEMENTS AND
- REVISIONS.
 THE CONTRACTOR SHALL ASSIGN AND HAVE ON SITE AT ALL TIMES A COMPETENT SUPERINTENDENT KNOWLEDGEABLE OF THE CONSTRUCTION TECHNIQUES REQUIRED TO PERFORM THE VARIOUS TYPES OF WORK BEING PERFORMED, IE CONCRETE, ASPHALT, STORM DRAIN ETC... THE SUPERINTENDENT SHALL HAVE FULL AUTHORITY OVER ALL WORK FORCES AND SHALL ASSURE ALL WORK IS PERFORMED PER SPECIFIED GUIDELINES,
- SPECIFICATIONS AND REMAINS ON SCHEDULE.
 THE CONTRACTOR SHALL MAINTAIN THE SAFETY AND CONVENIENCE OF THE GENERAL PUBLIC AND THE RESIDENTS ALONG ALL AFFECTED ROADWAYS. THE CONTRACTOR SHALL PROTECT THEIR PERSONS AND PROPERTY AS SPECIFIED IN SECTIONS 104.05, 107.07, 107.09, AND 150.00 OF THE GEORGIA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION OF TRANSPORTATION SYSTEMS." 2021 EDITION, WITH SUPPLEMENTS AND REVISIONS.
- 6. ALL PERSONS INCLUDING SUBCONTRACTORS EMPLOYED BY THE CONTRACTOR SHALL WEAR PERSONAL PROTECTIVE GEAR INCLUDING REFLECTIVE VESTS WHILE WORKING WITHIN THE PROJECT LIMITS.
- 7. THE CONTRACTOR SHALL INSTALL AND MAINTAIN CONSTRUCTION SAFETY FENCING IN AREAS OF EXCAVATION AS REQUIRED AND DIRECTED BY THE PROJECT MANAGER.
- 8. A TRAFFIC CONTROL PLAN SHALL BE SUBMITTED TO THE PROJECT MANAGER FOR APPROVAL A MINIMUM OF FOURTEEN (14) DAYS PRIOR TO ANY DEVIATION OF THE TRAFFIC CONTROL PLAN OR STAGING PLAN CONTAINED HERE IN.
- THE CONTRACTOR SHALL FURNISH, INSTALL AND MAINTAIN ALL REQUIRED BARRICADES, SIGN, AND OTHER TRAFFIC CONTROL DEVICES IN COMPLIANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES." 2009 EDITION.
 STORAGE OF MATERIALS AND EQUIPMENT SHALL BE AT LOCATIONS APPROVED BY THE PROJECT MANAGER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR AND/OR REPLACEMENT OF ALL DAMAGED PROPERTY, INCLUDING BUT NOT LIMITED TO STRUCTURES, FOUNDATIONS, DRIVEWAYS, SIDEWALKS, FENCES AND LANDSCAPE AMENITIES. THE CONTRACTOR SHALL PROTECT ALL LANDSCAPE AMENITIES AND SHALL BE RESPONSIBLE FOR THEIR RELOCATION AND/OR REPLACEMENT DURING THE CONSTRUCTION PERIOD AS REQUIRED BY THE PROJECT MANAGER.
- THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ACCEPTABLE ACCESS TO ALL BUSINESSES AND RESIDENCES DURING THE CONSTRUCTION PERIOD AS DETERMINED BY THE PROJECT MANAGER.
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR UNINTERRUPTED MAIL SERVICE DURING THE CONSTRUCTION
- PERIOD. WHEN NECESSARY, MAILBOXES SHALL BE TEMPORARILY RELOCATED TO A LOCATION CONVENIENT TO MAIL CARRIER AND PATRON. WHEN NEW CONSTRUCTION ABUTS THE CURB, THE CONTRACTOR SHALL BLOCK OUT A SECTION OF THE SIDEWALK AND RE-INSTALL THE MAILBOX PER OCONEE COUNTY STANDARDS. COST OF THIS WORK SHALL BE INCLUDED IN THE PRICE OF OTHER ITEMS.
- 14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING UNINTERRUPTED UTILITY SERVICES TO ALL AFFECTED BUSINESSES AND RESIDENCES DURING THE CONSTRUCTION PERIOD. ANY AND ALL SERVICE INTERRUPTIONS SHALL BE REPORTED TO THE PROJECT MANAGER AND SHALL BE PROMPTLY REPAIRED AT THE EXPENSE OF THE CONTRACTOR.
- THE CONTRACTOR SHALL BE REQUIRED TO USE THE ONE CALL CENTER TELEPHONE NUMBER, 1–800–282–7411, FOR THE PURPOSE OF COORDINATING THE MARKING OF UNDERGROUND UTILITIES.
 THE CONTRACTOR SHALL NOTIFY ALL AFFECTED UTILITY COMPANIES NO LATER THAN 72 HOURS PRIOR TO ANY
- DEMOLITION OR CONSTRUCTION WHERE WATER METER/SERVICE LINE ADJUSTMENTS, GAS LINE ADJUSTMENTS AND/OR MANHOLE ADJUSTMENT/RELOCATION IS REQUIRED.
- 17. UTILITY LOCATIONS SHOWN ARE APPROXIMATE AND SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING SITE CONDITIONS AND THE LOCATIONS OF ALL PIPING AND UTILITY INSTALLATIONS, INCLUDING BUT NOT LIMITED TO, MANHOLES, BOXES AND SERVICES WITH RESPECT TO EACH UTILITY. THE CONTRACTOR SHALL ENSURE THE PROTECTION AND MAINTENANCE OF ALL UTILITIES AND SHALL BE RESPONSIBLE FOR THEIR REPAIR AND REPLACEMENT IF DAMAGED. NO ADDITIONAL PAYMENT OR TIME SHALL BE CONSIDERED DUE TO ANY REQUIRED WORK ASSOCIATED WITH REPAIRS OR REPLACEMENT.
- 18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING AND RESOLVING CONFLICTS BETWEEN THE WORK AND UTILITIES, BOTH UNDERGROUND AND AERIAL (INCLUDING POLES). SUCH DETERMINATIONS SHALL BE MADE IN A TIMELY MANNER TO PERMIT ADJUSTMENTS TO BE MADE BEFORE CONSTRUCTION PROGRESS IS OBSTRUCTED.
- 19. THE CONTRACTOR SHALL SUBMIT SKETCHES/SHOP DRAWINGS FOR RESOLVING UTILITY CONFLICTS TO THE PROJECT MANAGER FOR APPROVAL AND SHALL COORDINATE NECESSARY ADJUSTMENTS OR RELOCATIONS WITH ALL UTILITY COMPANIES INVOLVED. NO ADDITIONAL PAYMENT OR TIME SHALL BE CONSIDERED DUE TO ANY REQUIRED WORK ASSOCIATED WITH RESOLVING CONFLICTS WITH UTILITIES.
- 20. THE CONTRACTOR SHALL STRICTLY ADHERE TO DUST CONTROL GUIDELINES AS SET FORTH IN SECTION 161-CONTROL OF SOIL AND SEDIMENTATION, SUB-SECTION 161.01 DESCRIPTION, OF THE GEORGIA DEPORTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROADS AND BRIDGE CONSTRUCTION." NO ADDITIONAL COMPENSATION WILL BE MADE FOR DUST CONTROL.
- 21. THE CONTRACTOR SHALL INSTALL AND MAINTAIN ALL SOIL AND EROSION CONTROL MEASURES AS SHOWN ON THE PLANS AND AS REQUIRED BY THE PROJECT MANAGER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL EROSION AND SEDIMENT CONTROL DEVICES AT ALL TIMES AND SHALL AT ALL TIMES BE IN COMPLIANCE WITH THE GEORGIA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION OF TRANSPORTATION SYSTEMS." 2021 EDITION WITH SUPPLEMENTS AND REVISIONS. ADDITIONAL EROSION AND SEDIMENT CONTROL DE INSTALLED IF DEEMED NECESSARY BY THE PROJECT MANAGER.
- 22. AS A MINIMUM THE CONTRACTOR SHALL APPLY TEMPORARY MULCH TO ALL CUT AND FILL SLOPES WITHIN 5 DAYS OF GRADING AND SHALL PERFORM TEMPORARY GRASSING WITHIN 2 WEEKS OF GRADING.
 23. CHECK DAM MATERIAL MAY BE RIP-RAP OR BALED STRAW AS DETERMINED BY THE ENGINEER.
- 24. ALL DISTURBED AREAS OUTSIDE THE LIMITS OF CONSTRUCTION ARE TO BE RESTORED AND RE-GRASSED IN KIND BY THE CONTRACTOR AT HIS EXPENSE, WITH GRASS OR SOD, I.E. FESCUE FOR FESCUE, BERMUDA SOD FOR BERMUDA SOD, ZOYSIA FOR ZOYSIA, ETC.
- 25. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION STAKING OPERATIONS UTILIZING THE CONTROL POINTS. ALL SURVEY CONTROL POINTS ARE BASED ON CONTROL POINTS PROVIDED IN THESE CONSTRUCTION PLANS
- 26. VERTICAL AND HORIZONTAL CHECKS SHALL BE PERFORMED TO VERIFY ACCURACY OF ALL SURVEY POINTS AND REFERENCED COORDINATES. ANY DISCREPANCY SHALL BE RESOLVED PRIOR TO COMMENCING WITH THE PROJECT LAYOUT
- 27. ALL PROPERTY LINE MONUMENTS WITHIN THE CONSTRUCTION LIMITS DISTURBED IN THE PROSECUTION OF THE
- WORK SHALL BE RESET BY A PROFESSIONAL LAND SURVEYOR LICENSED BY THE STATE OF GEORGIA.
 28. ALL PROPERTY LINE MONUMENTS OUTSIDE THE CONSTRUCTION LIMITS DISTURBED IN THE PROSECUTION OF THE WORK SHALL BE RESET BY A PROFESSIONAL LAND SURVEYOR LICENSED BY THE STATE OF GEORGIA, AT THE CONTRACTOR'S EXPENSE.
- 29. LAYOUT OF CURB AND GUTTER SIDEWALK, DRIVEWAYS AND CHECKING OF VERTICAL AND HORIZONTAL ALIGNMENT OF ASSOCIATED FORMS SHALL BE PERFORMED BY THE CONTRACTOR AND INSPECTED BY THE PROJECT MANAGER. SUCH INSPECTIONS SHALL BE REQUESTED IN A TIMELY MANNER TO PERMIT ADJUSTMENTS IF NECESSARY PRIOR TO INSTALLATION OF CONCRETE.
- ALL GRADED TIE IN AREAS SHALL DRAIN FREELY.
 THE GRADES OF ALL DITCHES AND CULVERTS SHALL NOT BE LESS THAN 1% UNLESS OTHERWISE SHOWN ON THE PLANS.
- ALL CROSS DRAIN PIPE SHALL BE TYPE III, REINFORCED CONCRETE PIPE.
 ALL MANHOLES, CATCH BASINS AND DROP INLET STRUCTURES MAY BE BRICK MASONRY TYPE, BUILT- IN-PLACE OR PRECAST. ALL SHOP DRAWINGS, CUT SHEETS AND SUBMITTALS FOR PRECAST STRUCTURES MUST BE SUBMITTED TO W&A ENGINEERING FOR REVIEW AND APPROVAL PRIOR TO BEING CAST. PAYMENT WILL NOT BE MADE FOR ANY PRECAST STRUCTURE THAT HAS NOT BEEN APPROVED FOR FIELD PLACEMENT DUE TO UTILITY CONFLICT, REQUIRED CHANGE IN GRADE, DAMAGED PRECAST STRUCTURES, OR DIMENSIONAL TOLERANCES THAT DO
- NOT MEET UTILITY OWNER REQUIREMENTS OR DETAILS INCLUDED IN THIS PLAN SET. 34. ALL CATCH BASIN AND DROP INLET BOTTOMS SHALL MEET ALL RELEVANT GADOT STANDARD AND DETAIL WITH THE EXCEPTION THAT NO BRICK BOTTOMS WILL BE ALLOWED.
- 35. ALL STORM AND SIDE DRAINS SHALL BE GRADED TO DRAIN.36. COVERS FOR ALL 1033 AND 1034 TYPE CATCH BASINS SHALL BE GADOT STANDARD.
- 37. COVERS FOR ALL 1011A STORM SEWER MANHOLES SHALL BE GADOT STANDARD.
- 38. STEPS SHALL BE OMITTED FROM ALL CATCH BASINS, DROP INLETS, AND MANHOLES. 39. ANY AND ALL CONCRETE COLLARS SHALL BE CONSIDERED INCIDENTAL TO THE ASSOCIATED PAY ITEM.
- 40. ALL CONCRETE TRENCH COP SHALL BE 8 INCH THICK CONCRETE, OVERLAID WITH 1.5 INCHES OF ASPHALT WITH TYPE SPECIFIED ON PLANS.
 41. CLEARING, EXCAVATION AND HAUL OF ANY UNSUITABLE MATERIAL FROM TRENCH LINES, EMBANKMENTS OR OTHER
- 41. CLEAKING, EXCAVATION AND TIACL OF ANY UNSUTABLE MATCHIAL FROM TRENCT LINES, EMDANRMENTS OR OTHE GRADIENTS WILL BE CONSIDERED INCIDENTAL TO THE WORK OF THE ASSOCIATED PAY ITEM.
 42. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FURNISH SUITABLE BORROW MATERIAL FOR THE PROJECT AND TO LEGALLY DISPOSE OF ANY UNSTABLE OR WASTE MATERIAL. BACKFILL/BORROW MATERIAL WILL BE
- APPROVED BY THE PROJECT MANAGER PRIOR TO ANY BOCK FILLING OPERATIONS. ALL COSTS ASSOCIATED WITH THIS ITEM SHALL BE INCLUDED IN THE PRICE BID FOR GRADING COMPLETE.
- 43. ALL FILL MATERIAL SHALL BE PLACED IN LIFTS OF NO MORE THEN 6 INCHES LOOSE AND COMPACTED TO 95% OF THE THEORETICAL DRY DENSITY.44. THE EDGE OF EXISTING PAVEMENT WILL BE SAW CUT BY THE CONTRACTOR AS DIRECTED BY THE PROJECT
- MANAGER, TO PROVIDE A SMOOTH AND EVEN SURFACE TO ODD CURB AND GUTTER AND/ OR NEW PAVEMENT AND SHALL BE CONSIDERED INCIDENTAL TO THE ASSOCIATED PAY ITEM.
- 45. 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 CONTRACTOR SHALL BE RESPONSIBLE FOR A MINIMUM 24HR NOTICE TO ALL RESIDENTS PRIOR TO ANY DRIVEWAY WORK TO BE DONE.
 46. REMOVAL AND REPLACEMENT OF SIGNS, AND/OR ANY NECESSARY TEMPORARY SIGNAGE REQUIRED, WILL BE
- 46. REMOVAL AND REPLACEMENT OF SIGNS, AND/OR ANY NECESSARY TEMPORARY SIGNAGE REQUIRED, WILL BE CONSIDERED INCIDENTAL. NO ADDITIONAL COMPENSATION SHALL BE MADE FOR THESE ITEMS. LOCATION OF RELOCATED SIGN(S) SHALL BE AS DIRECTED BY THE ENGINEER.
 47. ALL TRUNCATED DOMES SHALL BE ADA SOLUTIONS INC. RED. IN COLOR AS SHOWN ON SHEET 38, 001, OR
- 47. ALL TRUNCATED DOMES SHALL BE ADA SOLUTIONS, INC, RED IN COLOR AS SHOWN ON SHEET 38-001, OR AS OTHERWISE SPECIFIED BY THE OWNER.

RIG	
	STRIPING WITHIN THE RIGHT-OF-WAY SHALL BE THERMOPLASTIC.
	HT-OF-WAY CONSTRUCTION AND GRADING
	T-OF-WAY.
	.E FOLLOWING WILL NOT BE ALLOWED ON COUNTY RIGHT-OF-WAY: (I) DIVERSION
DF A CFS CONS DTHE	DDITIONAL DRAINAGE AREA ONTO THE RIGHT-OF-WAY: (I) DIVERSION DDITIONAL DRAINAGE AREA ONTO THE RIGHT-OF-WAY, OR INCREASE IN THE OF CURRENT VOLUMES OF WATER (2) GRADING EXCEPT AT DRIVEWAY STRUCTION LOCATION. (3) HEADWALLS, (4) SIGNS, DISPLAY DEVICES, AND R STRUCTURES WHICH ARE DESIGNED, INTENDED, OR USED TO ADVERTISE OR RM. (5) LANDSCAPING WITHOUT PRIOR APPROVAL OF THE LANDSCAPE PLAN.
ACCE DR F	EXISTING UTILITIES WHICH WOULD BE UNDER NEW PAVEMENT OR IN LERATION/DECELERATION LANES SHALL BE RELOCATED BEFORE FINAL GRADING PAVING AND AT NO COST TO THE COUNTY. OR AN APPROVED RETENTION ER FROM THE UTILITY OWNER.
VATU	STRUCTION OF EROSION CONTROL BARRIERS PER GEORGIA DEPARTMENT OF RAL RESOURCES CODE 391–3–7 AND SHALL BE MAINTAINED UNTIL IANENT VEGETATION IS ESTABLISHED.
	ICANT SHALL RESTORE ALL EXISTING SIGNS AND REGRASS TO COUNTY IFICATIONS ALL RIGHT OF WAY THAT IS DISTURBED DURING WORK AUTHORIZED IN.
PAVE DF N	PERMIT APPLICANT IS RESPONSIBLE FOR REPLACEMENT OF ALL EXISTING MENT WRITINGS DAMAGED BY THE PERMIT CONSTRUCTION AND THE ADDITION IEW PAVEMENT MARKINGS AND OR SIGNS AS SHOWN ON THE APPROVED , OR CURRENT M.U.T.C.D. GUIDELINES.
	<u>)E</u>
RED	PERMIT IS APPROVED SUBJECT TO THE REVISIONS AND COMMENTS SHOWN IN ON THE ATTACHED PLAN COPY AND SHALL R&M DEPENDENT UPON PLIANCE WITH THESE.
IMIT	VORK WILL BE ACCOMPLISHED UNDER THIS PERMIT MIN THE CONSTRUCTION S OF MY COUNTY PROJECT WITHOUT WRITTEN APPROVAL OF THE PRIME RACTOR.
	MAINTENANCE OF THE DRIVEWAY FROM THE NORMAL EDGE OF PAVEMENT IS RESPONSIBILITY OF THE PERMITEE.
	LAY SHALL BE AS DIRECTED BY COUNTY PERMIT INSPECTOR. SIDEWALKS. CROSSWALKS AND RAMPS SHALL MEET ADA STANDARDS AND
	APPLICANT IS RESPONSIBLE TO OBTAIN ALL NECESSARY ENVIRONMENTAL
	ROVALS PRIOR TO ANY WORK ON STATE R/W.
~EI	IERAL NOTES
	THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF ALL EXISTING UTILITIES (ABOVE OR BELOW GROUND) AS SHOWN ON THESE PLANS ARE APPROXIMATE & MAY NOT BE COMPLETE. LOCATIONS WERE BASED ON EITHER VISUAL OBSERVATIONS AT THE SITE,
	EXISTING SURVEYS AND/OR FROM UTILITY OWNERS. W&A ENGINEERING AND THE OWNER DO NOT GUARANTEE THAT THE EXISTING UTILITIES LOCATIONS SHOWN ARE EXACT. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXACT LOCATIONS & ELEVATIONS OF EXISTING UTILITIES
2.	THE OWNER DO NOT GUARANTEE THAT THE EXISTING UTILITIES LOCATIONS SHOWN ARE EXACT. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR
	THE OWNER DO NOT GUARANTEE THAT THE EXISTING UTILITIES LOCATIONS SHOWN ARE EXACT. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXACT LOCATIONS & ELEVATIONS OF EXISTING UTILITIES (ABOVE OR BELOW GROUND) BEFORE BEGINNING ANY CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT ALL UTILITY COMPANIES SEVENTY-TWO (72) HOURS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITY AND HAVE THEIR FACILITIES LOCATED IN THE FIELD. ANY DAMAGE TO SUCH UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. PRIOR TO PERFORMING ANY LAND DISTURBING ACTIVITIES OR WHEN WORK IS TO BE PERFORMED WITHIN 10 FEET OF HIGH VOLTAGE OVERHEAD POWER LINES, THE CONTRACTOR IS REQUIRED BY LAW TO NOTIFY THE UTILITY PROTECTION CENTER AT 1-800-282-7411. A 72 HOUR ADVANCE NOTICE IS
3.	THE OWNER DO NOT GUARANTEE THAT THE EXISTING UTILITIES LOCATIONS SHOWN ARE EXACT. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXACT LOCATIONS & ELEVATIONS OF EXISTING UTILITIES (ABOVE OR BELOW GROUND) BEFORE BEGINNING ANY CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT ALL UTILITY COMPANIES SEVENTY-TWO (72) HOURS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITY AND HAVE THEIR FACILITIES LOCATED IN THE FIELD. ANY DAMAGE TO SUCH UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. PRIOR TO PERFORMING ANY LAND DISTURBING ACTIVITIES OR WHEN WORK IS TO BE PERFORMED WITHIN 10 FEET OF HIGH VOLTAGE OVERHEAD POWER LINES, THE CONTRACTOR IS REQUIRED BY LAW TO NOTIFY THE UTILITY
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	THE OWNER DO NOT GUARANTEE THAT THE EXISTING UTILITIES LOCATIONS SHOWN ARE EXACT. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXACT LOCATIONS & ELEVATIONS OF EXISTING UTILITIES (ABOVE OR BELOW GROUND) BEFORE BEGINNING ANY CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT ALL UTILITY COMPANIES SEVENTY-TWO (72) HOURS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITY AND HAVE THEIR FACILITIES LOCATED IN THE FIELD. ANY DAMAGE TO SUCH UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. PRIOR TO PERFORMING ANY LAND DISTURBING ACTIVITIES OR WHEN WORK IS TO BE PERFORMED WITHIN 10 FEET OF HIGH VOLTAGE OVERHEAD POWER LINES, THE CONTRACTOR IS REQUIRED BY LAW TO NOTIFY THE UTILITY PROTECTION CENTER AT 1-800-282-7411. A 72 HOUR ADVANCE NOTICE IS REQUIRED. EROSION & SEDIMENT CONTROL MEASURES, AND MONITORING EQUIPMENT SHALL BE ESTABLISHED PRIOR TO ANY OTHER CONSTRUCTION ACTIVITIES ON SITE. ALL EROSION & SEDIMENT CONTROL FACILITIES SHALL BE MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED. ALL MATERIAL REMOVED SHALL BE PROPERLY DISPOSED OF OFF-SITE AND IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS IN AN APPROVED
3. ⊦. D EN	THE OWNER DO NOT GUARANTEE THAT THE EXISTING UTILITIES LOCATIONS SHOWN ARE EXACT. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXACT LOCATIONS & ELEVATIONS OF EXISTING UTILITIES (ABOVE OR BELOW GROUND) BEFORE BEGINNING ANY CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT ALL UTILITY COMPANIES SEVENTY-TWO (72) HOURS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITY AND HAVE THEIR FACILITIES LOCATED IN THE FIELD. ANY DAMAGE TO SUCH UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. PRIOR TO PERFORMING ANY LAND DISTURBING ACTIVITIES OR WHEN WORK IS TO BE PERFORMED WITHIN 10 FEET OF HIGH VOLTAGE OVERHEAD POWER LINES, THE CONTRACTOR IS REQUIRED BY LAW TO NOTIFY THE UTILITY PROTECTION CENTER AT 1–800–282–7411. A 72 HOUR ADVANCE NOTICE IS REQUIRED. EROSION & SEDIMENT CONTROL MEASURES, AND MONITORING EQUIPMENT SHALL BE ESTABLISHED PRIOR TO ANY OTHER CONSTRUCTION ACTIVITIES ON SITE. ALL EROSION & SEDIMENT CONTROL FACILITIES SHALL BE MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED. MOLITION NOTES

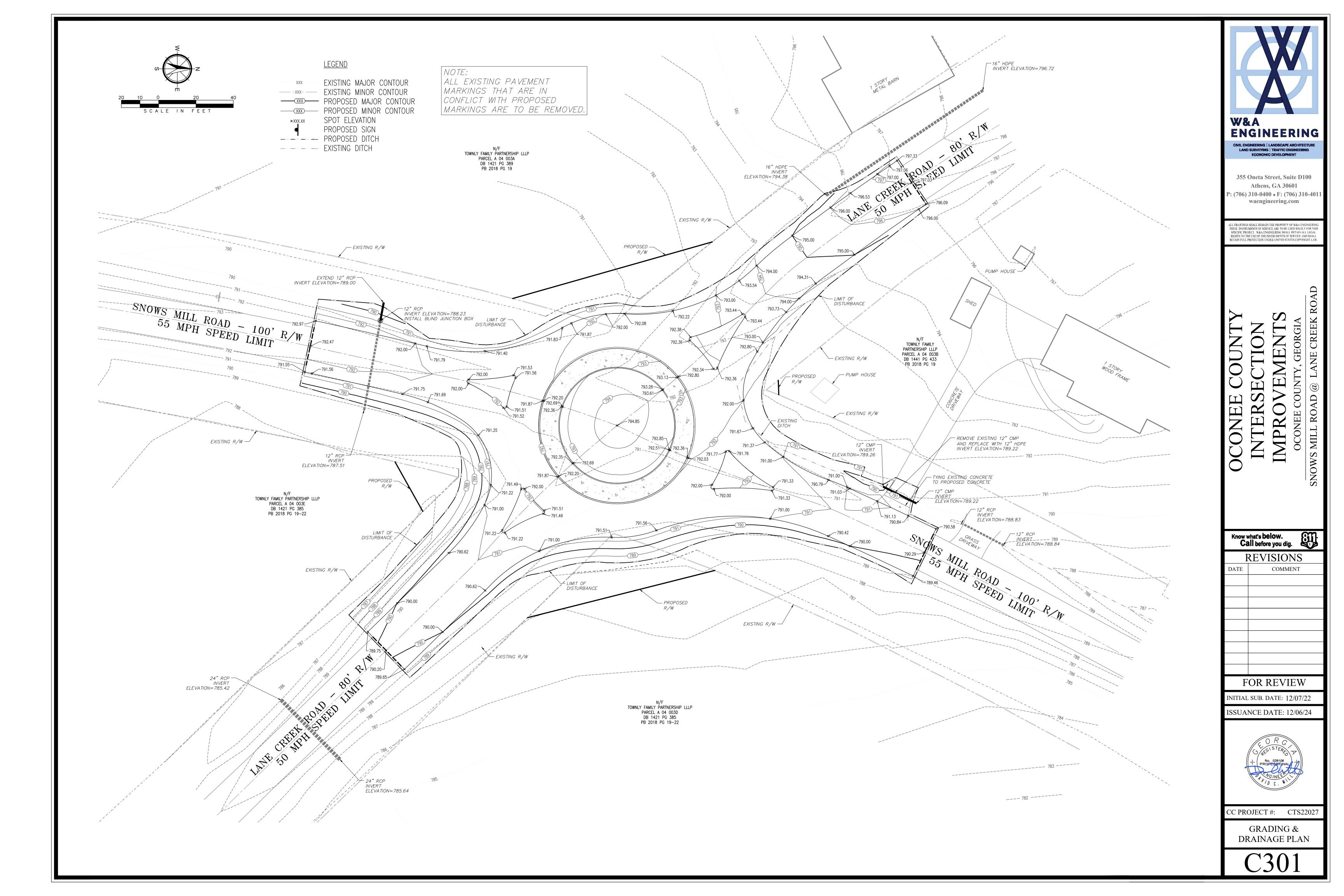
5. CONTRACTOR IS RESPONSIBLE FOR DEMOLITION OF EXISTING STRUCTURES, AS NOTED ON THE PLANS, INCLUDING DISCONNECTION OF ANY EXISTING UTILITIES SERVING THE STRUCTURES.

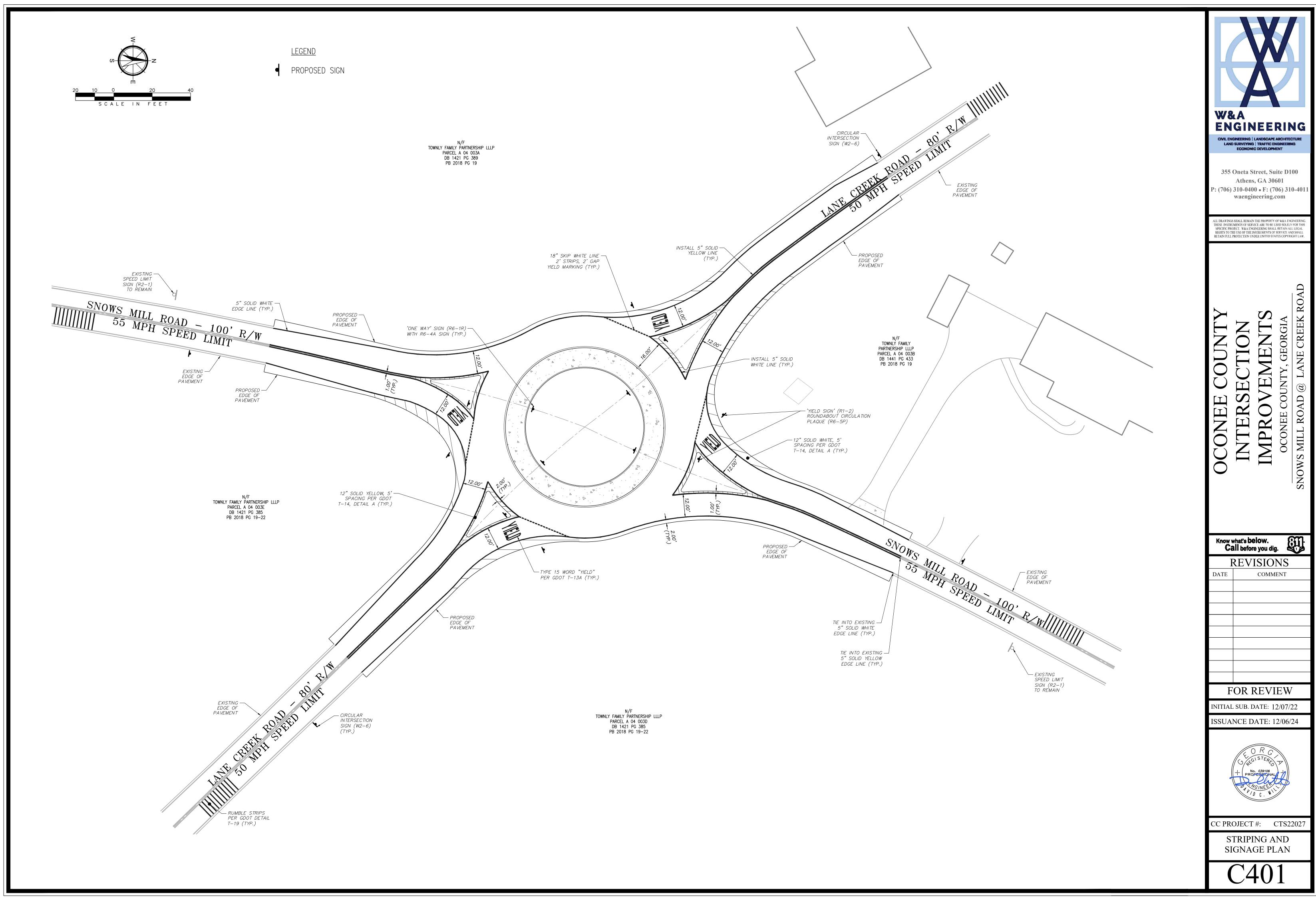
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	PR		SUA		F]		COULEE COUNTI	E INSTR CIFIC PR HTS TO T		IVIL EN	
	OJECT	+ PRO + PRO	NCE D	L SUB. E	FOR I	REV	what's be all befor	INTERSECTION	S SHALL REMAIN UMENTS OF SERV DIECT. W&A ENC HE USE OF THE II PROTECTION UN	310-040	GINEERING D SURVEYING	
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	CTS2	P - T	2/06/2		EW	 NS		OCONEE COUNTY, GEORGIA	USED SOLELY L RETAIN AL SERVICE AN	601 06) 31	ARCHITEC	
1	2027		24					SNOWS MILL ROAD @ LANE CREEK ROAD	FOR THIS L LEGAL D SHALL		TURE	

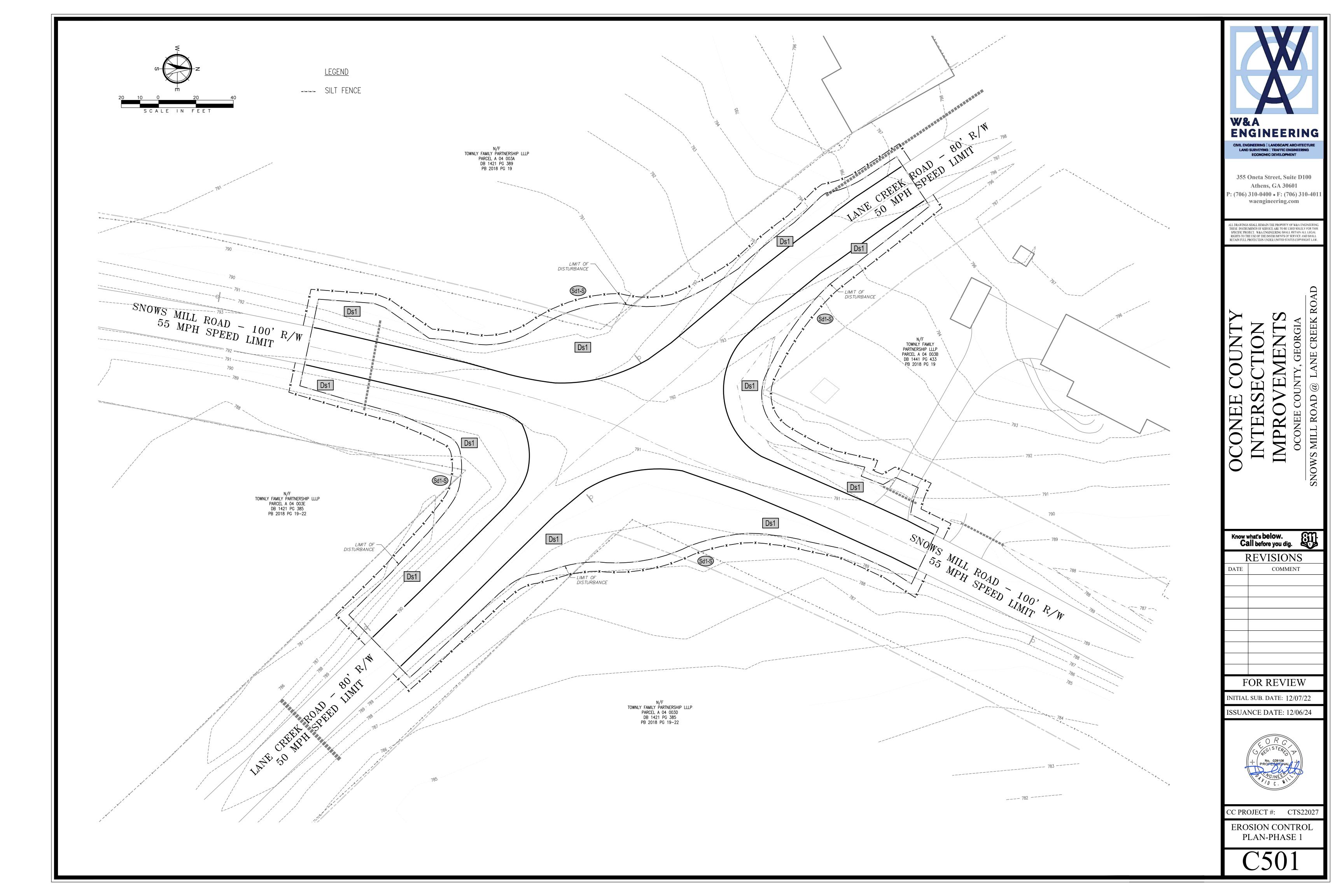


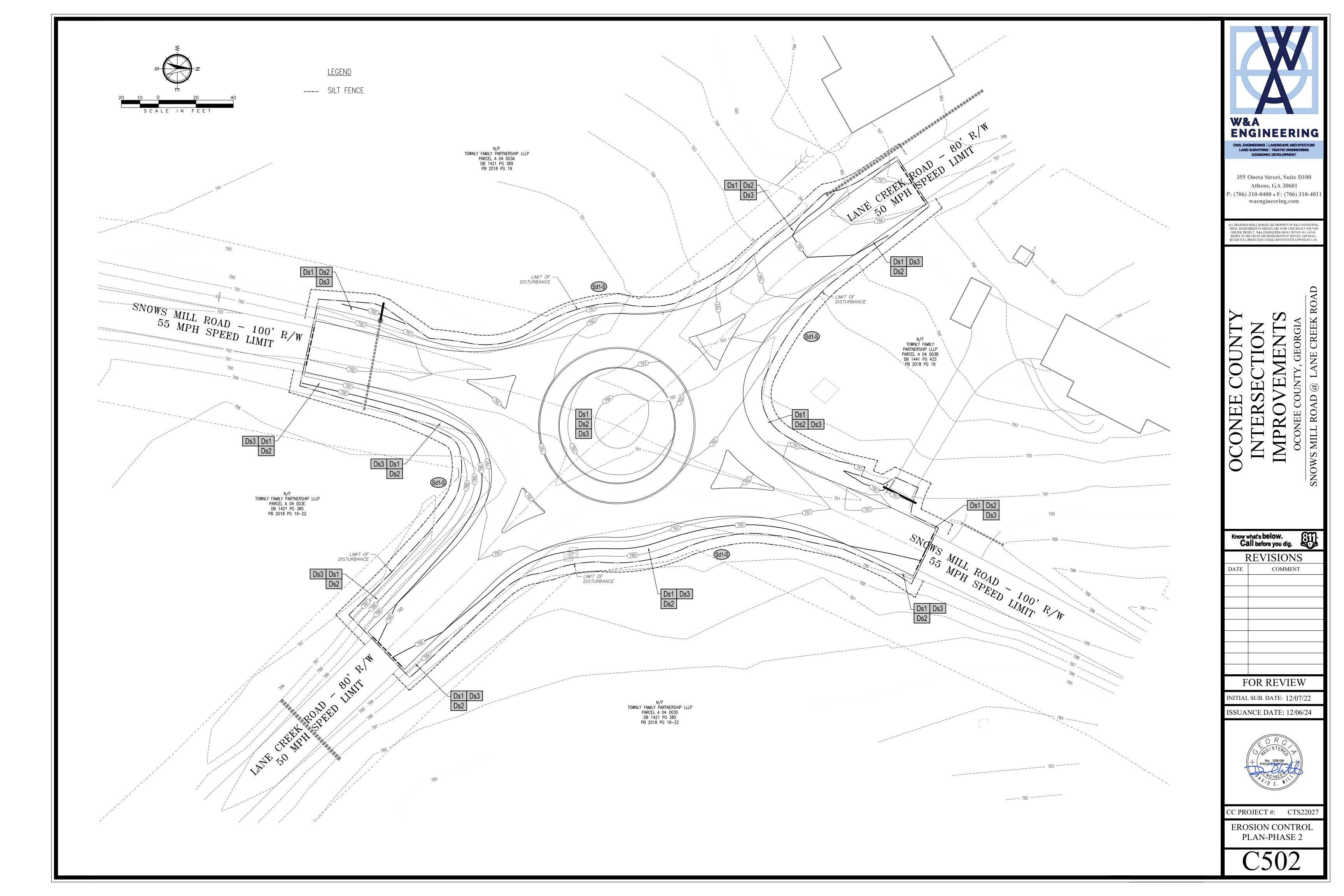


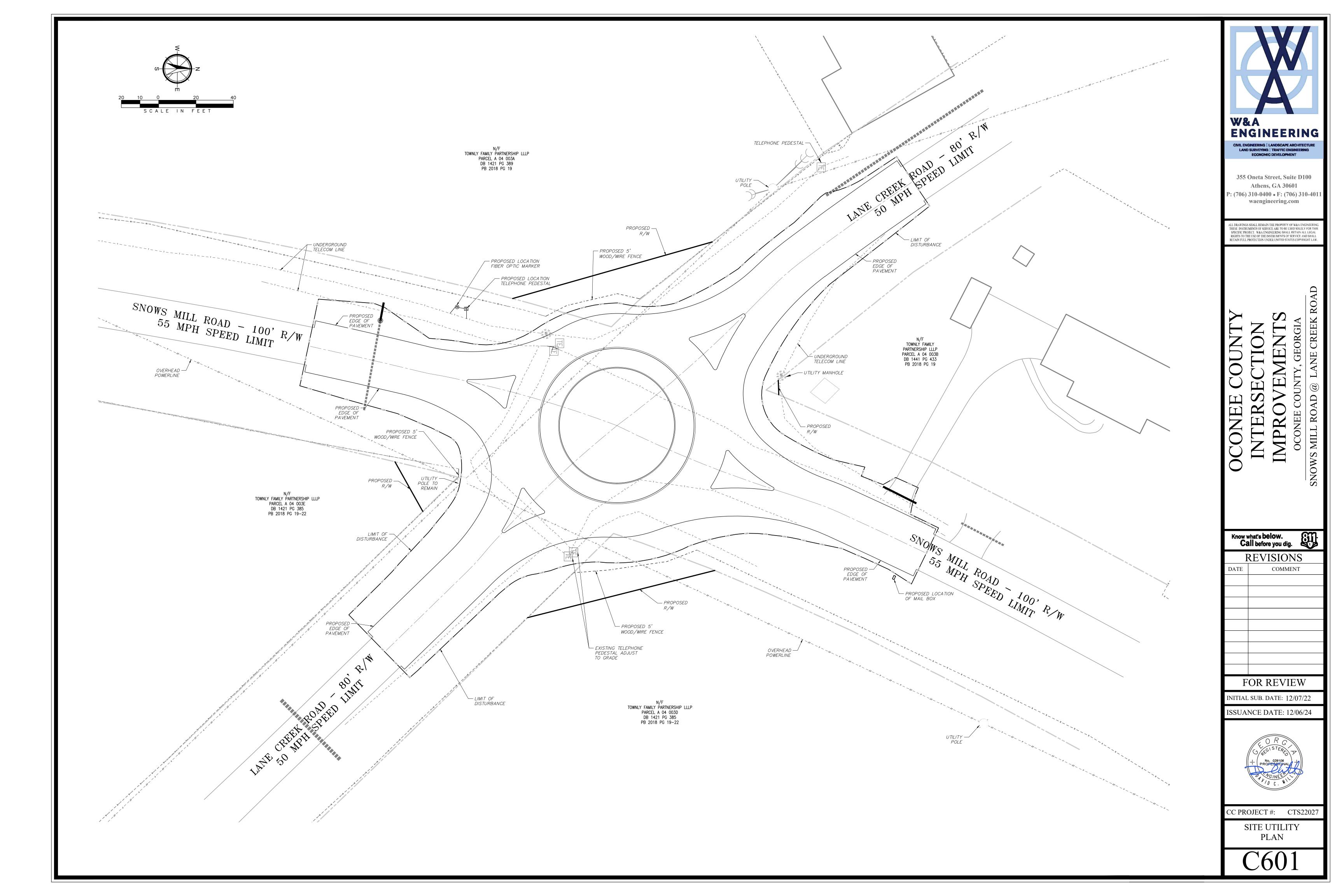
	Curve	e Table			Curv	e Table			Curv	e Table			
Curve #	Length	Radius	Tangent	Curve #	Length	Radius	Tangent	Curve #	Length	Radius	Tangent		
C1	60.746	2176.096	30.375	C15	4.173	94.000	2.087	C29	61.580	140.000	31.296		
C2	8.408	114.000	4.206	C16	20.146	134.000	10.092	C30	46.424	35.000	27.344		
C3	7.419	200.000	3.710	C17	5.648	850.000	2.824	C31	39.220	100.000	19.865		
C4	93.376	600.000	46.783	C18	43.507	1540.088	21.755	C32	12.889	148.000	6.448		
C5	97.606	600.000	48.911	C19	61.137	2190.096	30.570	C33	50.993	2226.420	25.498		
C6	9.170	200.000	4.586	C20	74.956	100.000	39.337	C34	50.352	2198.420	25.177		
C7	4.173	94.000	2.087	C21	35.205	60.000	18.126	C35	94.411	120.000	49.801		
C8	16.830	134.000	8.426	C22	77.134	90.000	41.115	C36	24.462	60.000	12.403		
C9	50.673	2212.420	25.337	C23	19.247	148.000	9.637	C37	72.201	85.000	38.440	_	
C10	12.263	114.000	6.137	C24	5.741	864.000	2.871	C38	3.750	128.000	1.875		
C11	9.672	200.000	4.837	C25	43.903	1554.088	21.953	C39	32.366	100.000	16.326		Line :
C12	90.488	600.000	45.330	C26	25.137	1554.088	12.569	C40	50.939	35.000	31.177	Ī	L1
C13	97.606	600.000	48.911	C27	24.368	1526.088	12.184	C41	35.404	100.000	17.889	Ī	L2
C14	9.170	200.000	4.586	C28	42.249	1526.088	21.126	C42	53.720	2162.096	26.861		L3

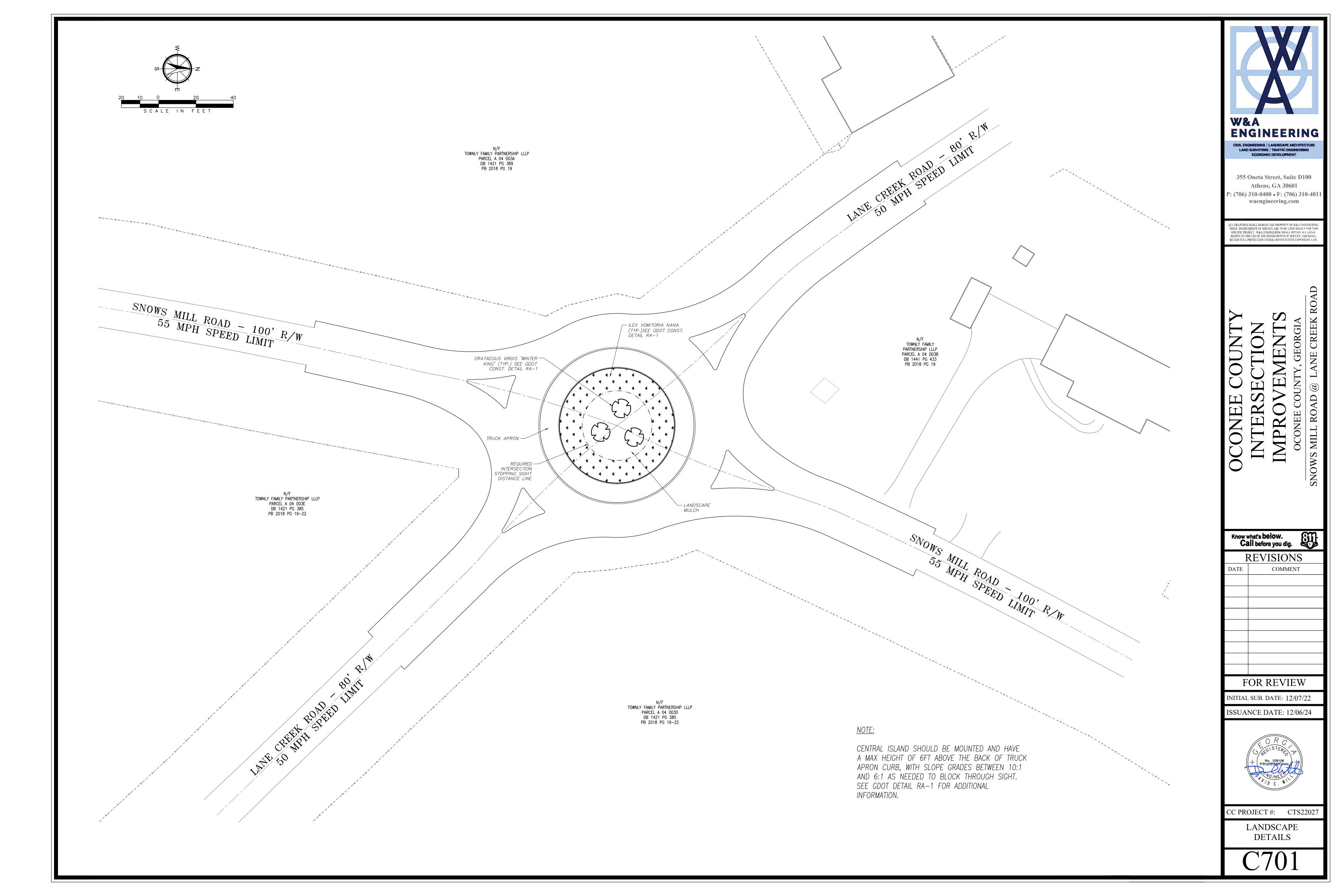


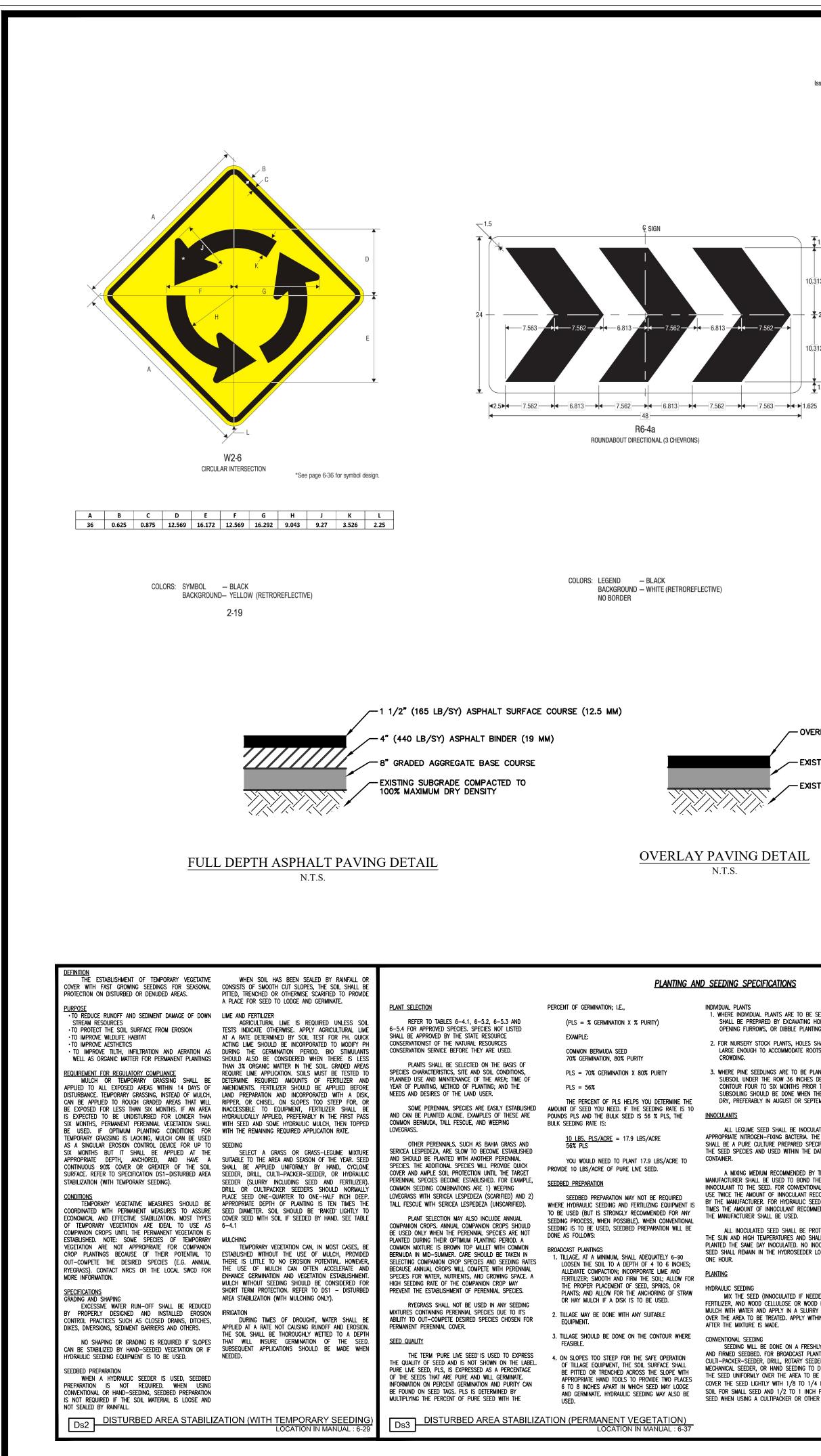




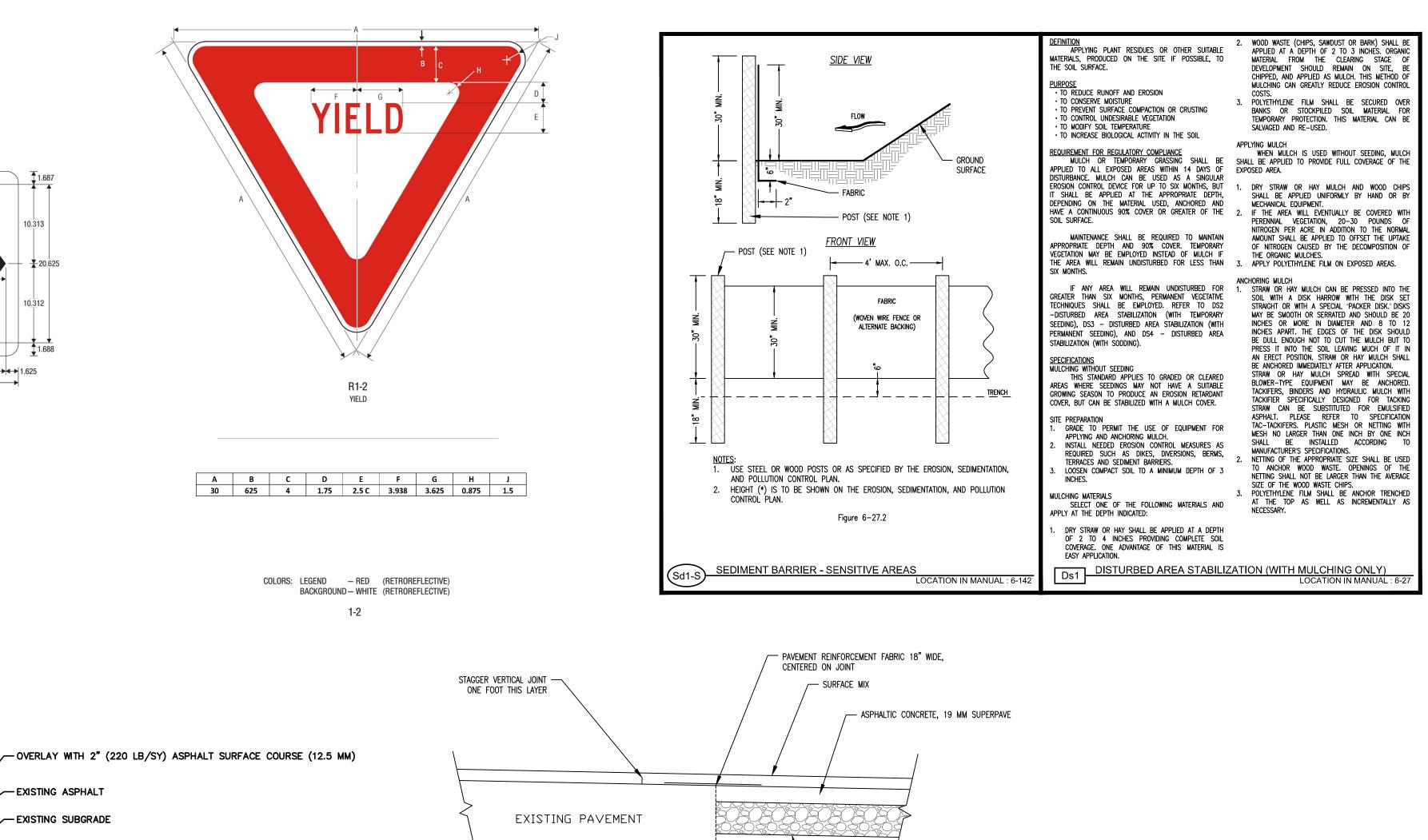








R6-4a Issued 3/1/2012



DETAIL TO BE USED WHEN EXISTING PAVEMENT IS TO BE RESURFACED WITH TWO INCHES OR MORE ASPHALTIC CONCRETE PAVEMENT REINFORCEMENT FABRIC <u>TYPICAL SECTION DETAIL</u> NTS

VIDUAL PLANTS WHERE INDIVIDUAL PLANTS ARE TO BE SET, THE SOIL SHALL BE PREPARED BY EXCAVATING HOLES, OPENING FURROWS, OR DIBBLE PLANTING.	EQUIPMENT. NO-TILL SEEDING NO-TILL SEEDING IS PERMISSIBLE INTO ANNUAL COVER CROPS WHEN PLANTING IS DONE FOLLOWING	MULCH IS REQUIRED FOR ALL PERMANENT VEGETATION APPLICATIONS. MULCH APPLIED TO SEEDED AREAS SHALL ACHIEVE 75% TO 100% SOIL COVER. WHEN SELECTING A MULCH, DESIGN PROFESSIONALS SHOULD CONSIDER THE MULCH'S FUNCTIONAL LONGEVITY, VEGETATION ESTABLISHMENT DEVININGENET, AND EDISION CONTROL EFFECTIVENESS. SELECT	EQUIPMENT, OTHER SPREADING EQUIPMENT OR BY HAND. MULCH SHALL BE APPLIED TO COVER 75% OF THE SOIL SURFACE. WOOD CELLULOSE OR WOOD FIBER MULCH SHALL BE APPLIED UNIFORMLY WITH HYDRAULIC SEEDING EQUIPMENT.	TYPES OF SPECIES	PLANTING YEAR	FERTILIZER (N-P-K)	ANALYSIS OR EQUIVALENT RATE (LBS/ACRE)	N TOP DRESSING RATE (LBS/ACRE)
FOR NURSERY STOCK PLANTS, HOLES SHALL BE LARGE ENOUGH TO ACCOMMODATE ROOTS WITHOUT CROWDING.	MATURITY OF THE COVER CROP OR IF THE TEMPORARY COVER STAND IS SPARSE ENOUGH TO ALLOW ADEQUATE GROWTH OF THE PERMANENT (PERENNIAL) SPECIES. NO-TILL SEEDING SHALL BE DONE WITH APPROPRIATE	ENHANCEMENT, AND EROSION CONTROL EFFECTIVENESS. SELECT THE MULCHING MATERIAL FROM THE FOLLOWING AND APPLY AS INDICATED: 1. DRY STRAW OR DRY HAY OF GOOD QUALITY AND FREE	ANCHORING MULCH <u>Anchoring Mulch</u> Anchor Straw or hay Mulch Immediately After	1. COOL SEASON GRASSES	FIRST SECOND MAINTENANCE	6-12-12 6-12-12 10-10-10	1500 1000 400	50–100 (1)(2) - 30
WHERE PINE SEEDLINGS ARE TO BE PLANTED, SUBSOIL UNDER THE ROW 36 INCHES DEEP ON THE CONTOUR FOUR TO SIX MONTHS PRIOR TO PLANTING. SUBSOILING SHOULD BE DONE WHEN THE SOIL IS DRY, PREFERABLY IN AUGUST OR SEPTEMBER.	NO-TILL SEEDING EQUIPMENT. THE SEED MUST BE UNIFORMLY DISTRIBUTED AND PLANTED AT THE PROPER DEPTH. INDIVIDUAL PLANTS SHRUBS, VINES AND SPRIGS MAY BE PLANTED WITH	OF WEED SEEDS CAN BE USED. DRY STRAW SHALL BE APPLIED AT THE RATE OF 2 TONS PER ACRE. DRY HAY SHALL BE APPLIED AT A RATE OF 2 1/2 TONS PER ACRE. 2. WOOD CELLULOSE MULCH OR WOOD PULP FIBER SHALL	APPLICATION BY ONE OF THE FOLLOWING METHODS: 1. HAY AND STRAW MULCH SHALL BE PRESSED INTO THE SOIL IMMEDIATELY AFTER THE MULCH IS SPREAD. A SPECIAL 'PACKER DISK' OR DISK HARROW WITH THE DISKS SET STRAIGHT MAY BE USED. THE DISKS MAY BE	2. COOL SEASON GRASSES AND LEGUMES	FIRST SECOND MAINTENANCE	6-12-12 0-10-10 0-10-10	1500 1000 400	0-50 (1) -
ALL LEGUME SEED SHALL BE INOCULATED WITH ROPRIATE NITROGEN-FIXING BACTERIA. THE INNOCULANT LL BE A PURE CULTURE PREPARED SPECIFICALLY FOR SEED SPECIES AND USED WITHIN THE DATES ON THE	APPROPRIATE PLANTERS OR HAND TOOLS. PINE TREES SHALL BE PLANTED MANUALLY IN THE SUBSOIL FURROW. EACH PLANT SHALL BE SET IN A MANNER THAT WILL AVOID CROWDING THE ROOTS. NURSERY STOCK PLANTS SHALL BE PLANTED AT	BE USED WITH HYDRAULIC SEEDING. IT SHALL BE APPLIED AT THE RATE OF 500 POUNDS PER ACRE. DRY STRAW OR DRY HAY SHALL BE APPLIED (AT THE RATE INDICATED ABOVE) AFTER HYDRAULIC SEEDING. 3. ONE THOUSAND POUNDS OF WOOD CELLULOSE OR WOOD	SMOOTH OR SERRATED AND SHOULD BE 20 INCHES OR MORE IN DIAMETER AND 8 TO 12 INCHES APART. THE EDGES OF THE DISKS SHALL BE DULL ENOUGH TO PRESS THE MULCH INTO THE GROUND WITHOUT CUTTING IT, LEAVING MUCH OF IT IN AN ERECT POSITION. MULCH SHALL NOT BE PLOWED INTO THE SOIL.	3. GROUND COVERS	FIRST SECOND MAINTENANCE	6-12-12 6-12-12 10-10-10	1300 (3) 1300 (3) 1100	
TAINER. A MIXING MEDIUM RECOMMENDED BY THE UFACTURER SHALL BE USED TO BOND THE OCULANT TO THE SEED. FOR CONVENTIONAL SEEDING,	THE SAME DEPTH OR SLIGHTLY DEEPER THAN THEY GREW AT THE NURSERY. THE TIPS OF VINES AND SPRIGS MUST BE AT OR SLIGHTLY ABOVE THE GROUND SURFACE. WHERE INDIVIDUAL HOLES ARE DUG, FERTILIZER	PULP FIBER, WHICH INCLUDES A TACKIFIER, SHALL BE USED WITH HYDRAULIC SEEDING ON SLOPES 3/4:1 OR STEEPER. 4. SERICEA LESPEDEZA HAY CONTAINING MATURE SEED SHALL BE APPLIED AT A RATE OF THREE TONS PER	2. SYNTHETIC TACKIFIERS, BINDERS OR HYDRAULIC MULCH SPECIFICALLY DESIGNED TO TACK STRAW, SHALL BE APPLIED IN CONJUNCTION WITH OR IMMEDIATELY AFTER THE MULCH IS SPREAD. SYNTHETIC TACKIFIERS SHALL BE MIXED AND APPLIED ACCORDING TO MANUFACTURER'S	4. PINE SEEDLINGS	FIRST	20-10-5	one 21-gram pellet per seeding placed in the closing hole	-
TWICE THE AMOUNT OF INNOCULANT RECOMMENDED THE MANUFACTURER. FOR HYDRAULIC SEEDING, FOUR S THE AMOUNT OF INNOCULANT RECOMMENDED BY	SHALL BE PLACED IN THE BOTTOM OF THE HOLE, TWO INCHES OF SOIL SHALL BE ADDED AND THE PLANT SHALL BE SET IN THE HOLE.	ACRE. 5. PINE STRAW OR PINE BARK SHALL BE APPLIED AT A	SPECIFICATIONS. ALL TACKIFIERS, BINDERS OR HYDRAULIC MULCH SPECIFICALLY DESIGNED TO TACK STRAW SHOULD BE VERIFIED NONTOXIC THROUGH EPA 2021.0 TESTING.	5. Shrub Lespedeza	FIRST MAINTENANCE	0-10-10 0-10-10	700 700 (4)	-
MANUFACTURER SHALL BE USED.		THICKNESS OF 3 INCHES FOR BEDDING PURPOSES. OTHER SUITABLE MATERIALS IN SUFFICIENT QUANTITY MAY	REFER TO TACKIFIERS-TAC 3. RYE OR WHEAT CAN BE INCLUDED WITH FALL AND WINTER	6. TEMPORARY COVER CROPS SEEDED ALONE	FIRST	10-10-10	500	30 (5)
ALL INOCULATED SEED SHALL BE PROTECTED FROM SUN AND HIGH TEMPERATURES AND SHALL BE ITED THE SAME DAY INOCULATED. NO INOCULATED D SHALL REMAIN IN THE HYDROSEEDER LONGER THAN HOUR.		BE USED WHERE ORNAMENTALS OR OTHER GROUND COVERS ARE PLANTED. THIS IS NOT APPROPRIATE FOR SEEDED AREAS. 6. WHEN USING TEMPORARY EROSION CONTROL BLANKETS	PLANTINGS TO STABILIZE THE MULCH. THEY SHALL BE APPLIED AT A RATE OF ONE-QUARTER TO ONE-HALF BUSHEL PER ACRE.	7. WARM SEASON GRASSES	FIRST SECOND MAINTENANCE	6-12-12 6-12-12 10-10-10	1500 800 400	50-100 (2)(6) 50-100 (2) 30
NTING RAULIC SEEDING MIX THE SEED (INNOCULATED IF NEEDED),		OR BLOCK SOD, MULCH IS NOT REQUIRED. 7. BITUMINOUS TREATED ROVING MAY BE APPLIED ON PLANTED AREAS, SLOPES, IN DITCHES OR DRY WATERWAYS TO PREVENT EROSION. BITUMINOUS TREATED ROVING SHALL BE APPLIED WITHIN 24 HOURS AFTER AN	4. PLASTIC MESH OR NETTING WITH MESH NO LARGER THAN ONE INCH BY ONE INCH MAY BE NEEDED TO ANCHOR STRAW OR HAY MULCH ON UNSTABLE SOILS AND CONCENTRATED FLOW AREAS. THESE MATERIALS SHALL BE INSTALLED AND ANCHORED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.	8. WARM SEASON GRASSES AND LEGUMES	FIRST SECOND MAINTENANCE	6-12-12 0-10-10 0-10-10	1500 1000 400	50 (6)
ILIZER, AND WOOD CELLULOSE OR WOOD PULP FIBER CH WITH WATER AND APPLY IN A SLURRY UNIFORMLY R THE AREA TO BE TREATED. APPLY WITHIN ONE HOUR ER THE MIXTURE IS MADE. VENTIONAL SEEDING SEEDING WILL BE DONE ON A FRESHLY PREPARED FIRMED SEEDBED. FOR BROADCAST PLANTING, USE A TI-PACKER-SEEDER, DRILL, ROTARY SEEDER, OTHER HANICAL SEEDER, OR HAND SEEDING TO DISTRIBUTE SEED UNIFORMLY OVER THE AREA TO BE TREATED. ER THE SEED LIGHTLY WITH 1/8 TO 1/4 INCH OF		AREA HAS BEEN PLANTED. APPLICATION RATES AND MATERIALS MUST MEET GEORGIA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS. WOOD CELLULOSE AND WOOD PULP FIBERS SHALL NOT CONTAIN GERMINATION OR GROWTH INHIBITING FACTORS. THEY SHALL BE EVENLY DISPERSED WHEN AGTATED IN WATER. THE FIBERS SHALL CONTAIN A DYE TO ALLOW VISUAL METERING AND AID IN UNIFORM APPLICATION DURING SEEDING. <u>APPLYING MULCH</u> STRAW OR HAY MULCH WILL BE SPREAD UNIFORMLY	BEDDING MATERIAL MULCH IS USED AS A BEDDING MATERIAL TO CONSERVE MOISTURE AND CONTROL WEEDS IN NURSERIES, ORNAMENTAL BEDS, AROUND SHRUBS, AND ON BARE AREAS ON LAWINS. MATERIAL DEPTH GRAIN STRAW 4°TO 6° GRASS HAY 4°TO 6° PINE NEEDLES 3°TO 5° WOOD WASTE 4°TO 6°		Tions when high rat cations. E pruned. S only. ow to a height of s EDED SHALL HAVE	2 to 4 inches. E lime applied a	AT A RATE OF 90 LBS/10 AND MIXED THOROUGHLY W	
. FOR SMALL SEED AND 1/2 TO 1 INCH FOR LARGE D WHEN USING A CULTIPACKER OR OTHER SUITABLE		WITHIN 24 HOURS AFTER SEEDING AND/OR PLANTING. THE MULCH MAY BE SPREAD BY BLOWER-TYPE SPREADING	ZATION (PERMANENT VEGETATION) LOCATION IN MANUAL : 6-38	Ds3 DISTU	RBED AREA	<u>STABILIZA</u>	TION (PERMANEN LOCAT	T VEGETATION) ION IN MANUAL : 6-4

MULCHING RATES AND SPECIFICATIONS

- GRADED AGGREGATE BASE

