

CONSTRUCTION PLANS FOR BULLOCH COUNTY MAINTENANCE BUILDING ENTRANCE

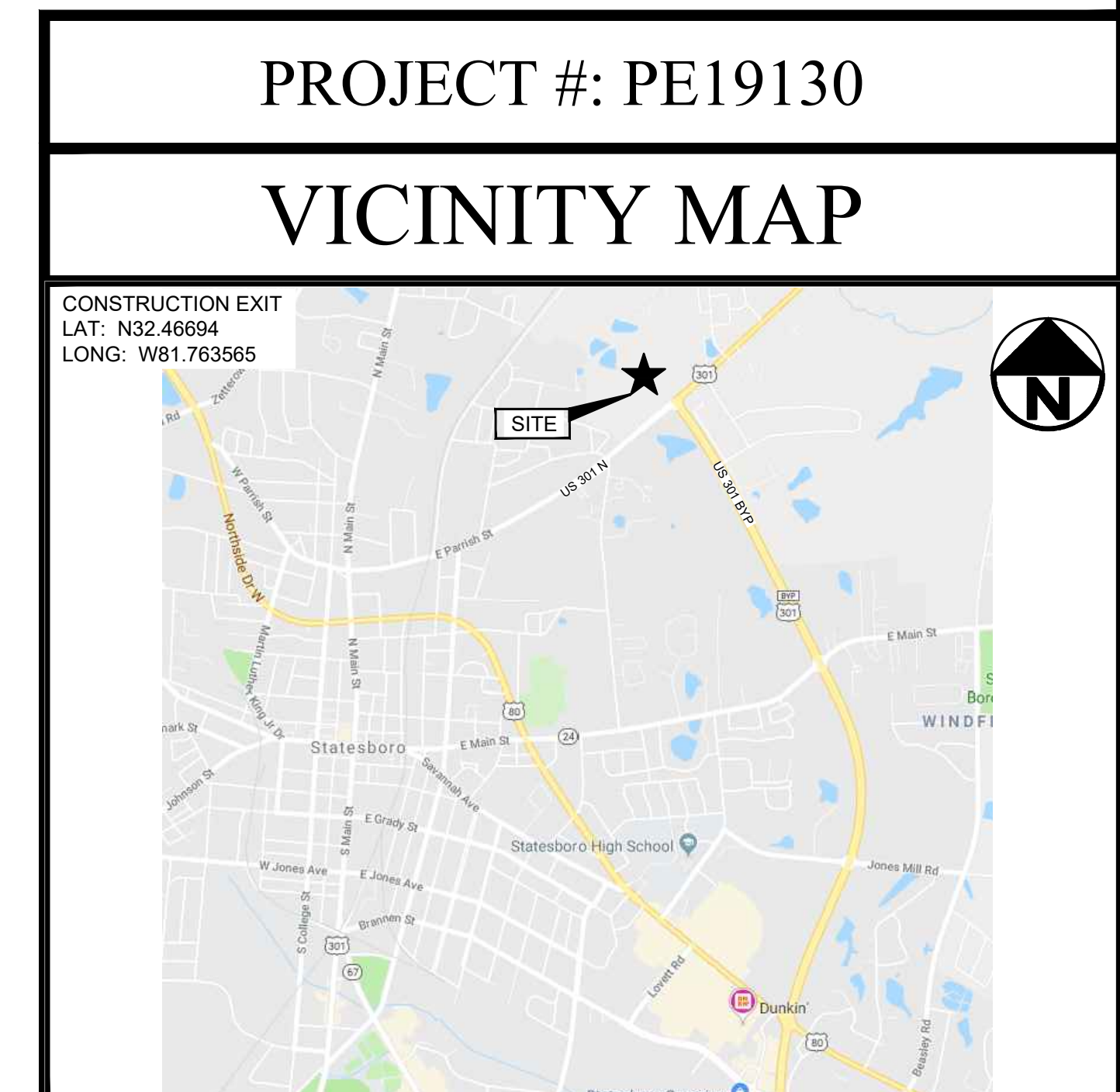
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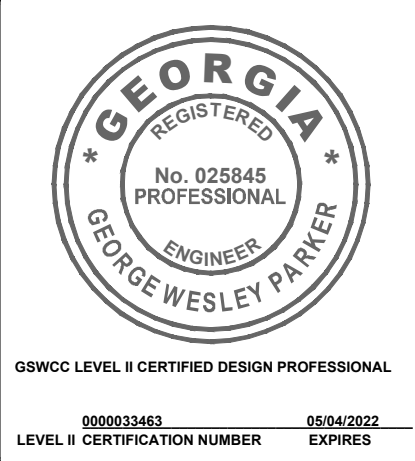
BULLOCH COUNTY, GEORGIA
prepared for:
BULLOCH COUNTY COMMISSIONERS
FEBRUARY 2023

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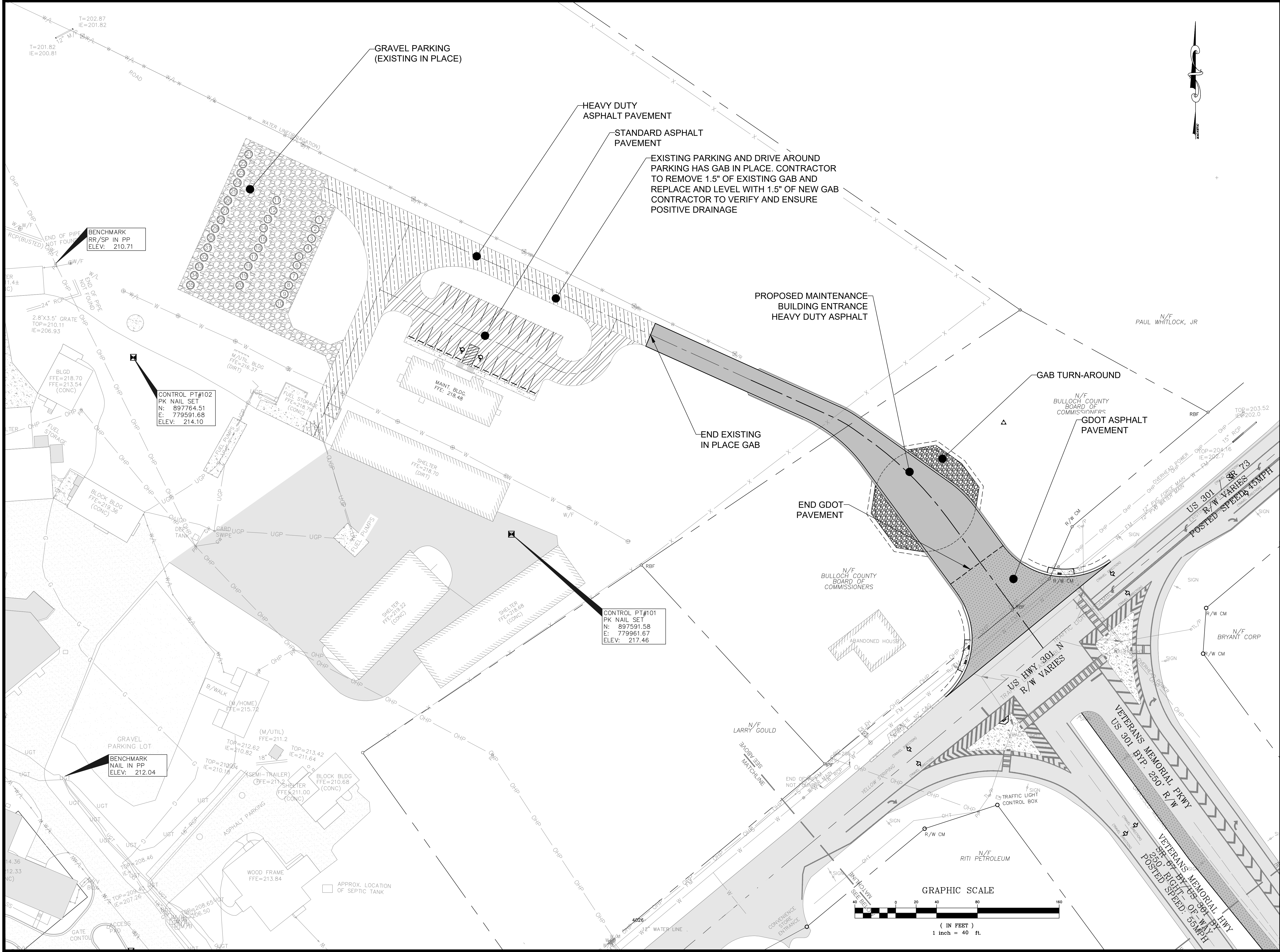


**BULLOCH COUNTY MAINTENANCE
 BUILDING ENTRANCE
 BULLOCH COUNTY, GEORGIA**
 prepared for:
BULLOCH COUNTY COMMISSIONERS

No.	Date	Revision
△	08/17/21	INITIAL PLAN SET
△	03/24/22	REVISED GDOT SUBMITTAL

Sheet Title:
OVERALL LAYOUT

Drawn by: JHR
 Designed by: JHR
 Checked by: GWP
 Scale: 1" = 40'
 Project No.: PE19130





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 Statesboro, Georgia 30458
 Phone: 912-764-7722



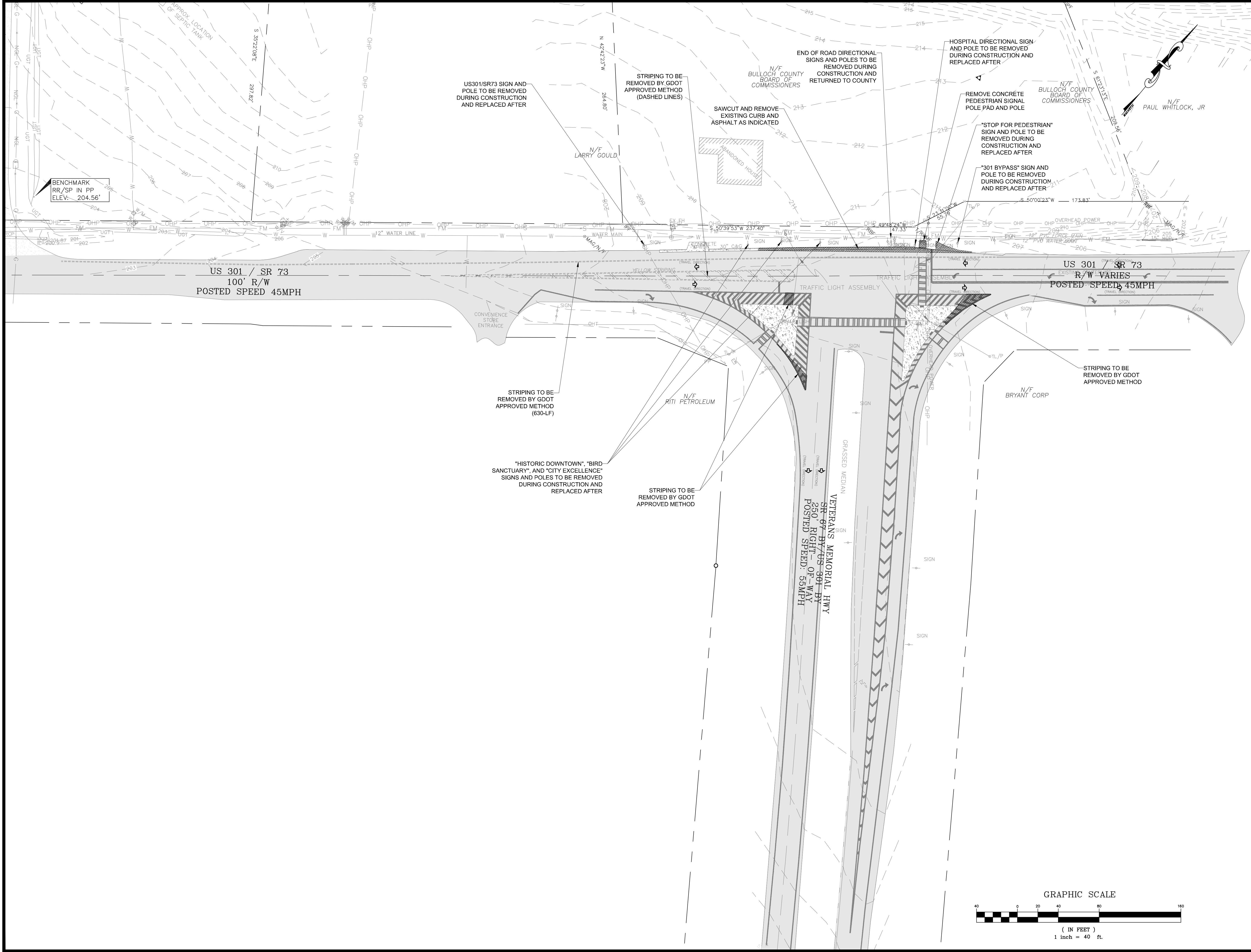
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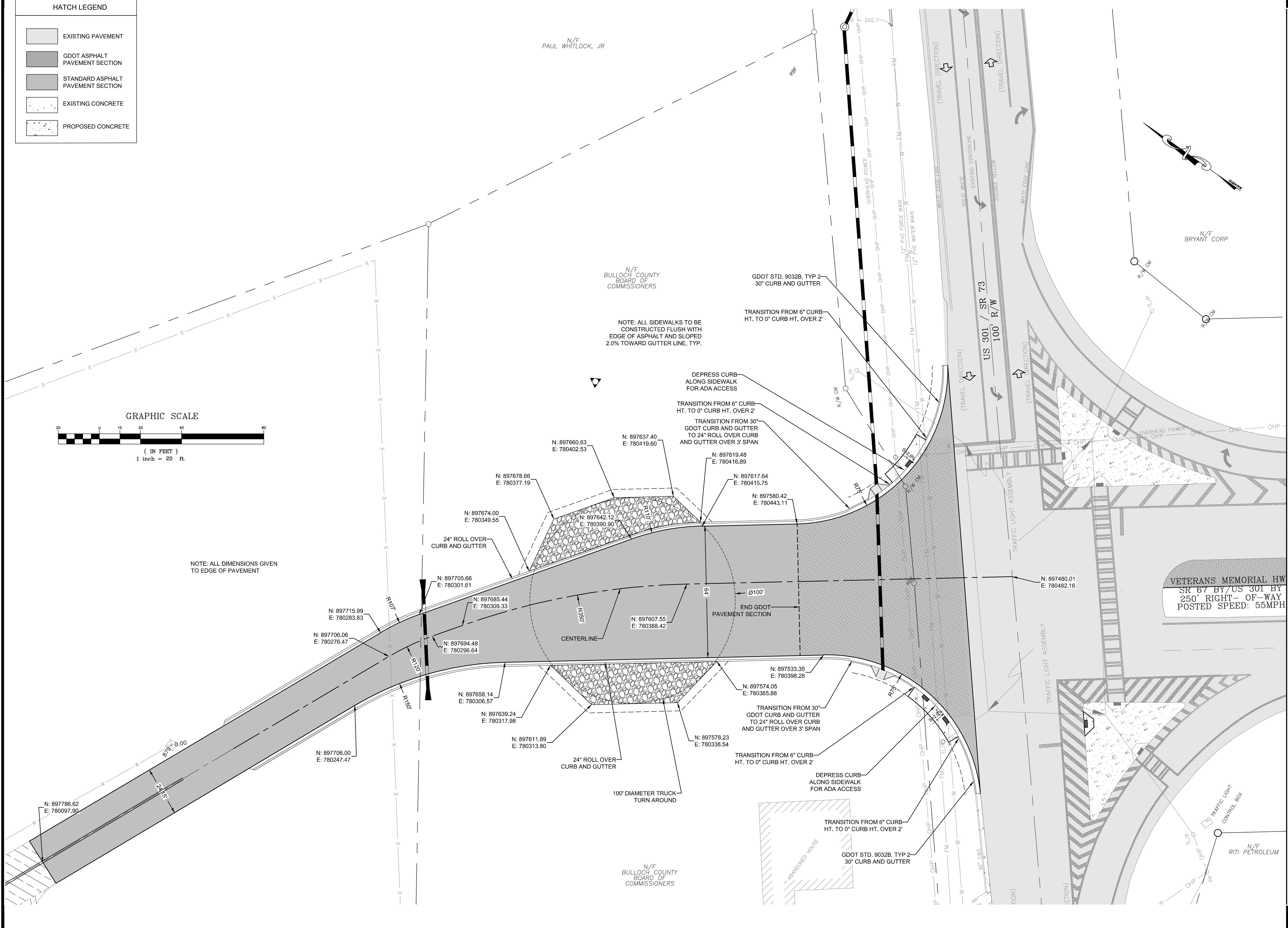
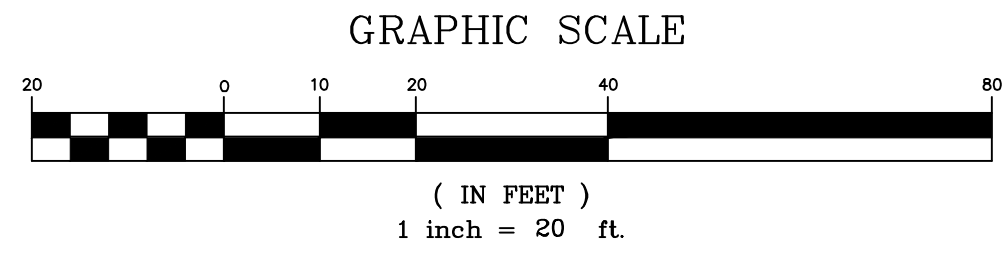
Sheet Title:
**EXISTING
 CONDITIONS AND
 DEMOLITION PLAN**

Drawn by: JHR
 Designed by: JHR
 Checked by: GWP
 Scale: 1" = 40'
 Project No.: PE19130

3



HATCH LEGEND	
	EXISTING PAVEMENT
	GDOT ASPHALT PAVEMENT SECTION
	STANDARD ASPHALT PAVEMENT SECTION
	EXISTING CONCRETE
	PROPOSED CONCRETE



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Sheet Title: **STAKING PLAN**

Drawn by: JHR
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 Scale: 1" = 20'
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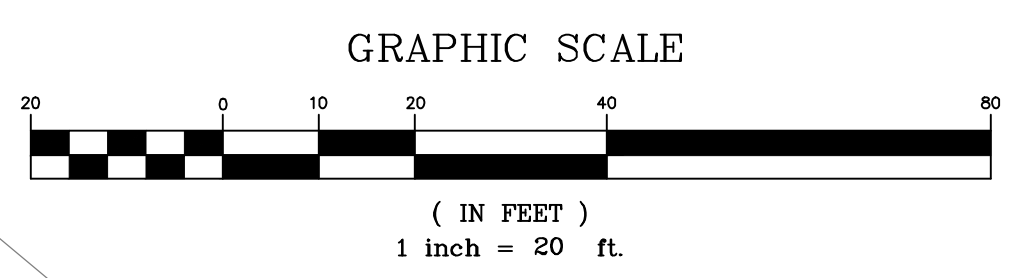
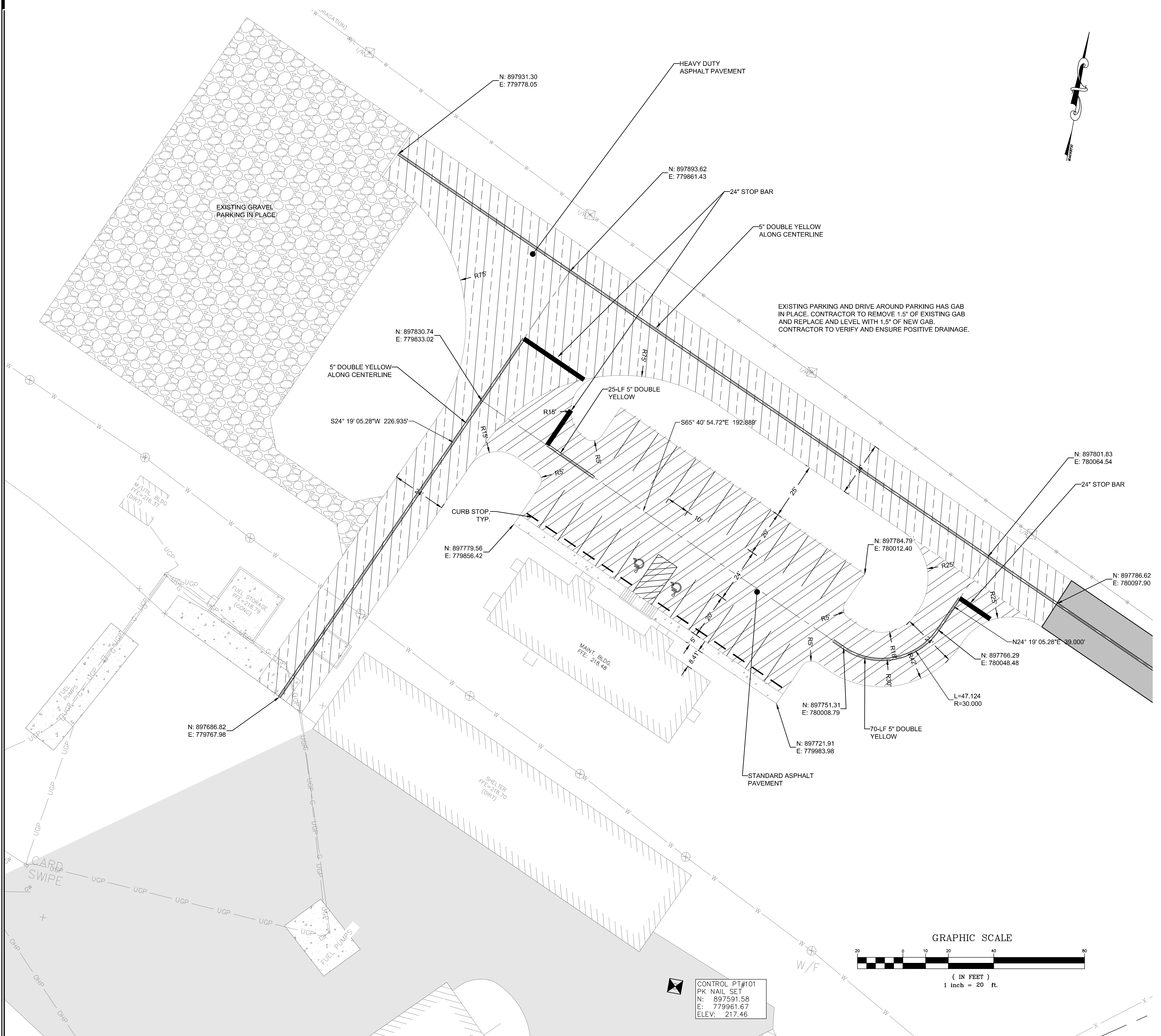
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Sheet Title:
**PARKING LOT
 PAVING AND
 STRIPING PLAN**

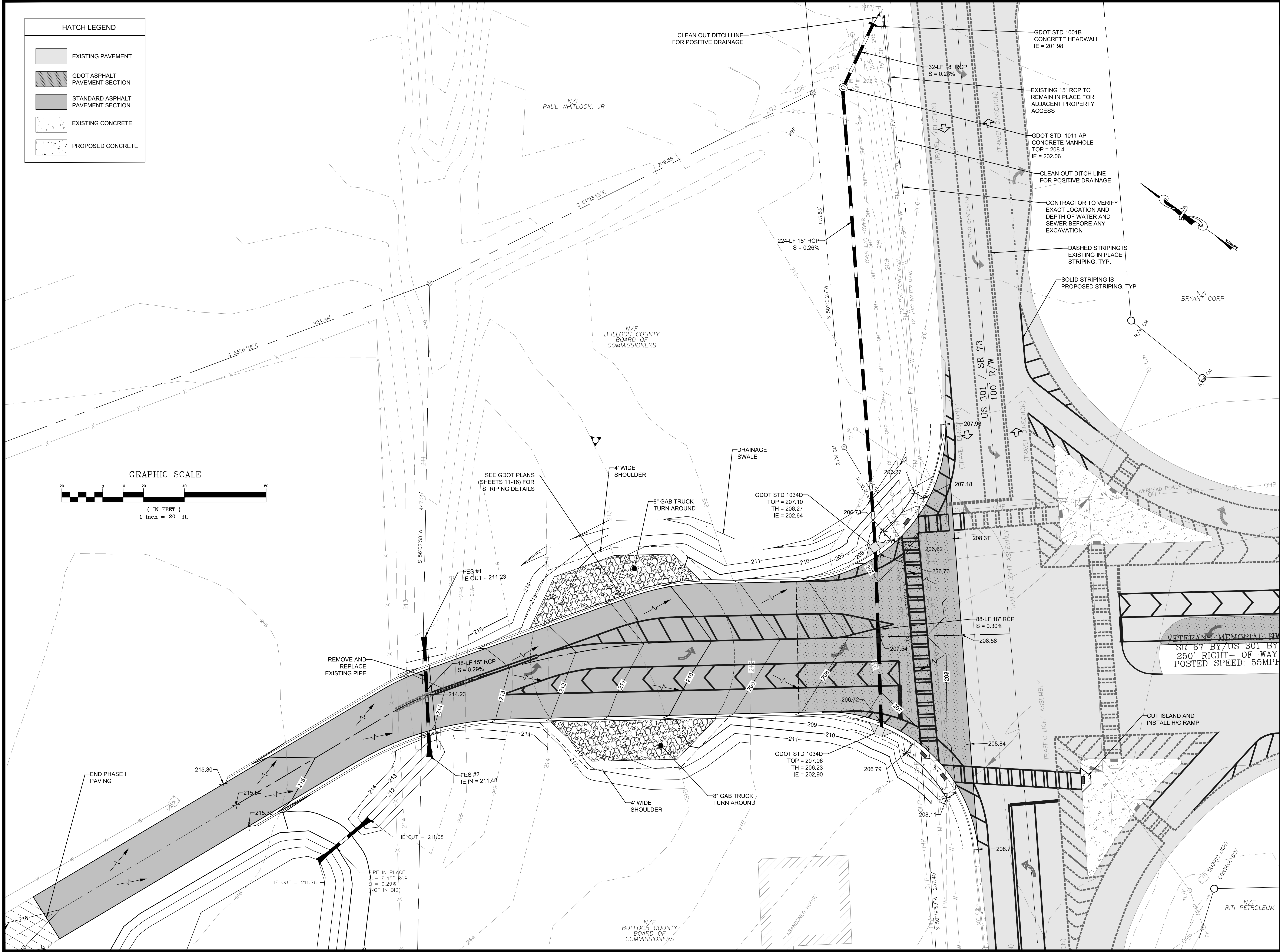
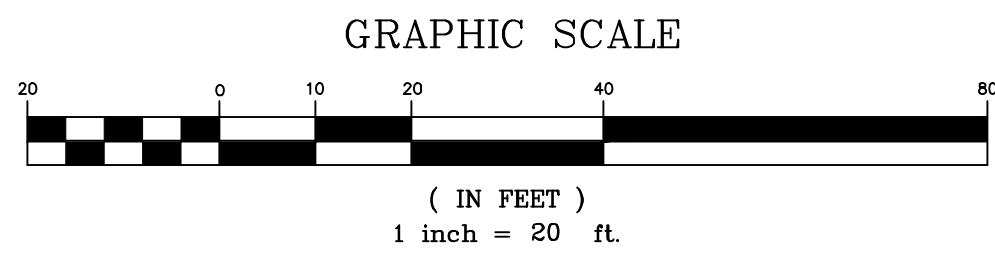
Drawn by: JHR
 Designed by: JHR
 Checked by: GWP
 Scale: 1"=20'
 Project No.: PE19130

4.1



CONTROL PT#101
 PK NAIL SET
 N: 897591.58
 E: 779961.67
 ELEV: 217.46

HATCH LEGEND	
	EXISTING PAVEMENT
	GDOT ASPHALT PAVEMENT SECTION
	STANDARD ASPHALT PAVEMENT SECTION
	EXISTING CONCRETE
	PROPOSED CONCRETE



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Sheet Title:
**PAVING, GRADING,
 AND DRAINAGE PLAN**

Drawn by: JHR
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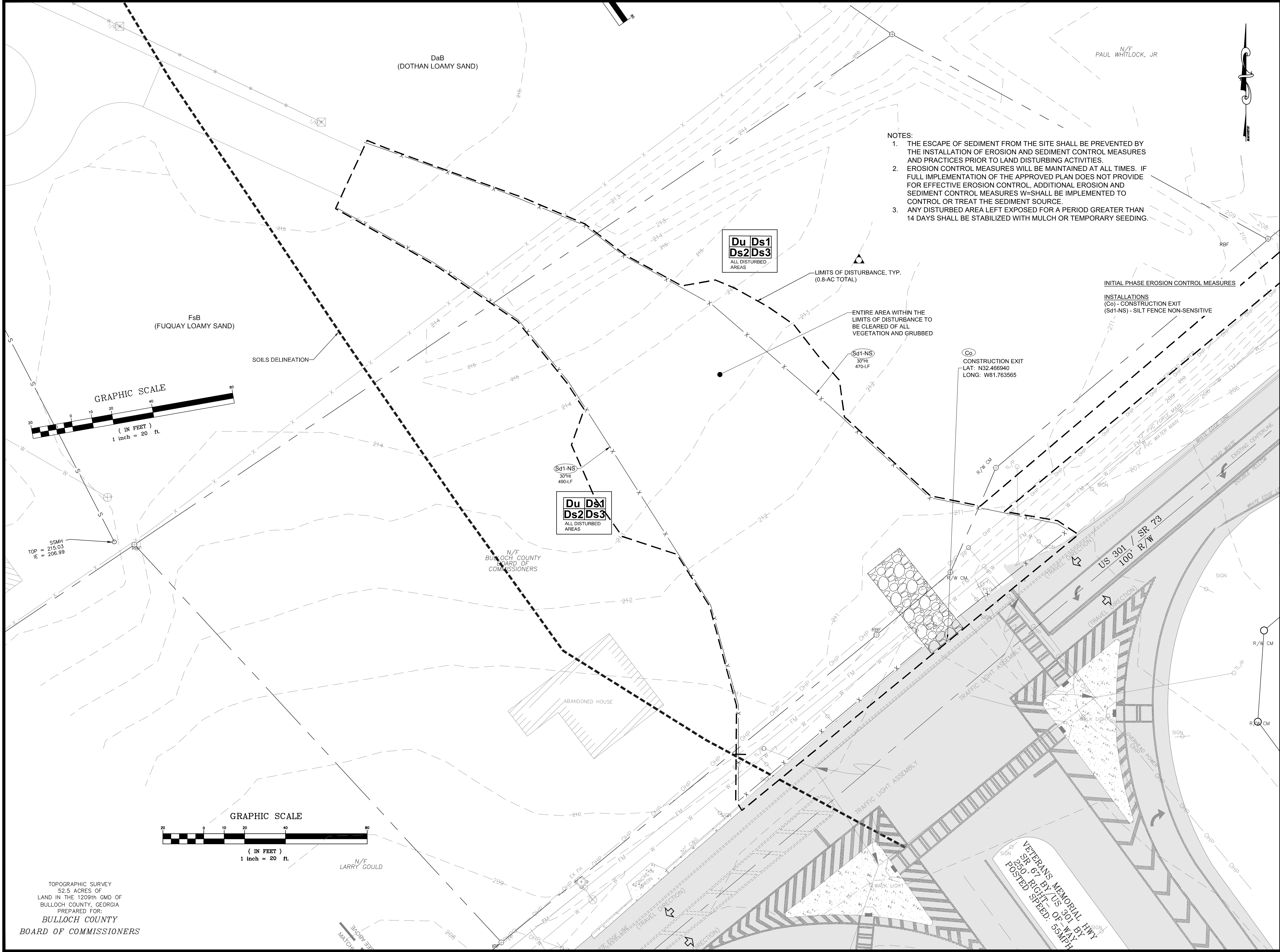
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Sheet Title:
**INITIAL EROSION
 CONTROL PLAN**

Drawn by: JHR
 Designed by: JHR
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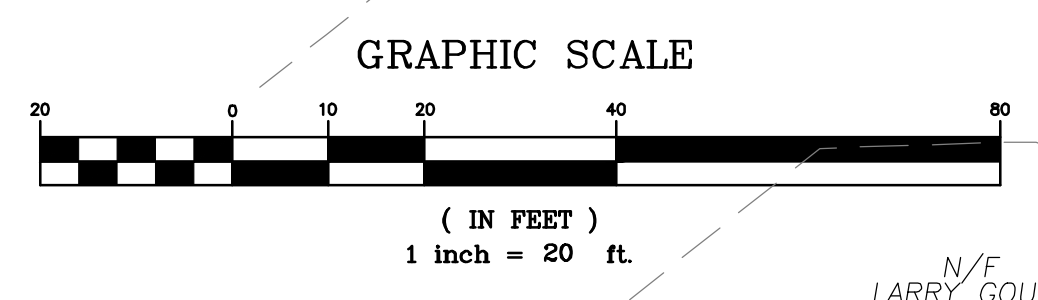
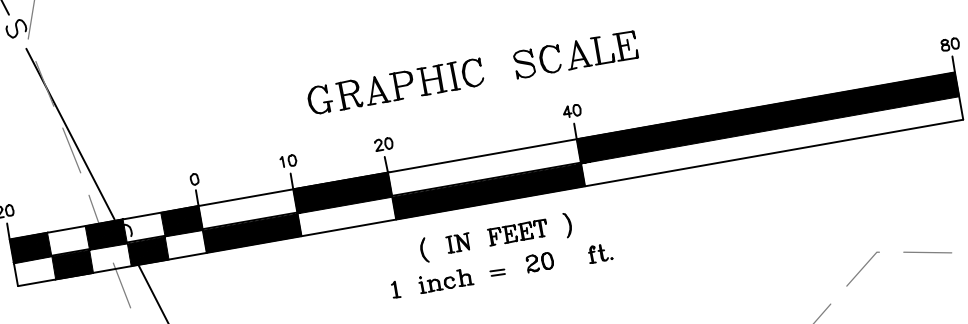
7



- NOTES:
1. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES.
 2. 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.
 3. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

**Du Ds1
 Ds2Ds3**
 ALL DISTURBED
 AREAS

**Du Ds1
 Ds2Ds3**
 ALL DISTURBED
 AREAS



TOPOGRAPHIC SURVEY
 52.5 ACRES OF
 LAND IN THE 1209th GMD OF
 BULLOCH COUNTY, GEORGIA
 PREPARED FOR:
**BULLOCH COUNTY
 BOARD OF COMMISSIONERS**

N/F LARRY GOULD

N/F BULLOCH COUNTY
 BOARD OF
 COMMISSIONERS

N/F PAUL WHITLOCK, JR

VETERANS MEMORIAL HWY
 SR 67 BY / US 901 BY
 SR 901 RIGHT OF WAY
 POSTED SPEED: 55MPH



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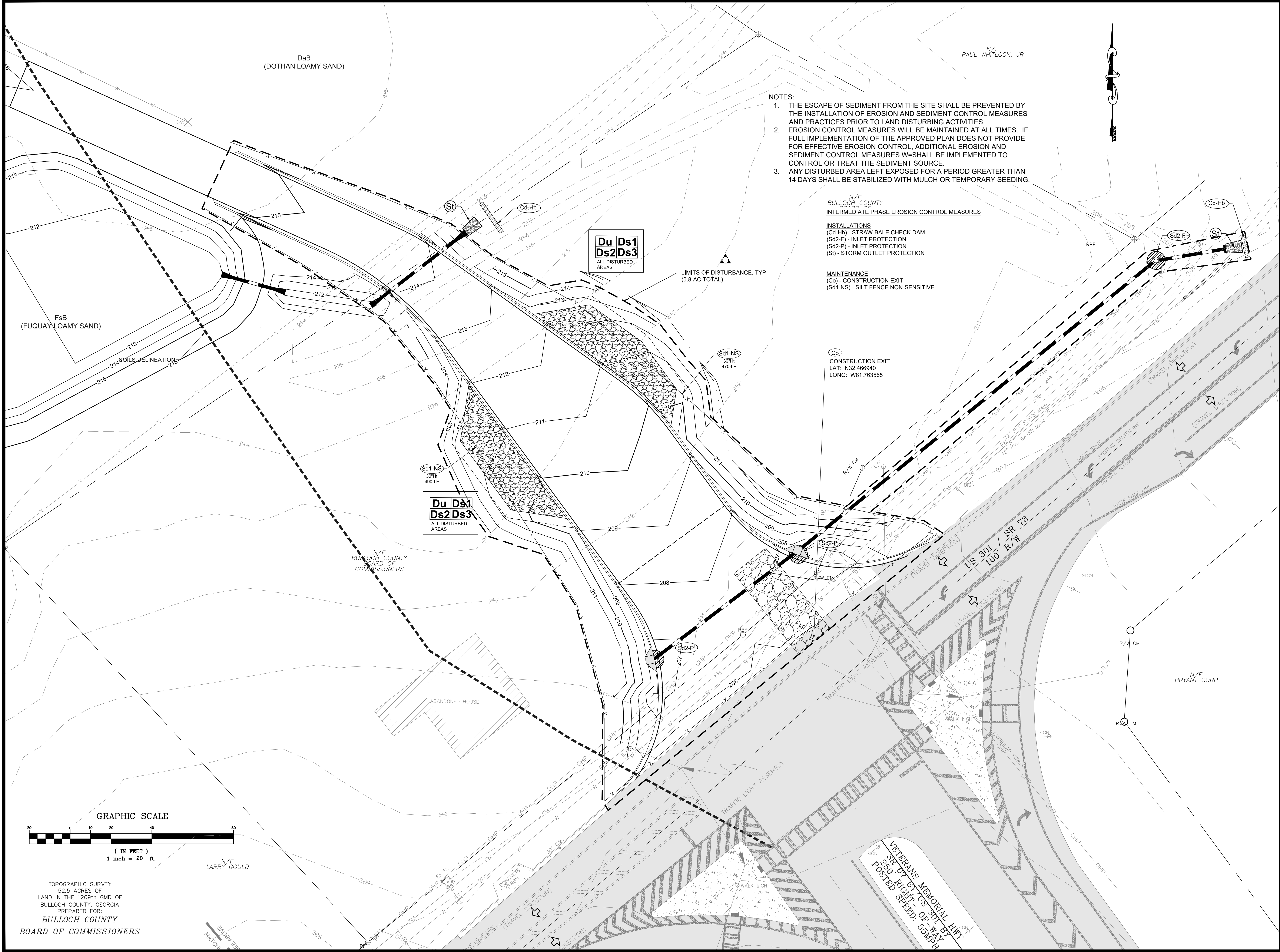
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Sheet Title:
INTERMEDIATE EROSION CONTROL PLAN

Drawn by: JHR
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 Checked by: GWP
 Scale: 1" = 20'
 Project No.: PE19130

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- NOTES:**
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 2. 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.
 3. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

N/F
 BULLOCH COUNTY
 INTERMEDIATE PHASE EROSION CONTROL MEASURES

INSTALLATIONS
 (Cd-Hb) - STRAW-BALE CHECK DAM
 (Sd2-F) - INLET PROTECTION
 (Sd2-P) - INLET PROTECTION
 (SI) - STORM OUTLET PROTECTION

MAINTENANCE
 (Co) - CONSTRUCTION EXIT
 (Sd1-NS) - SILT FENCE NON-SENSITIVE

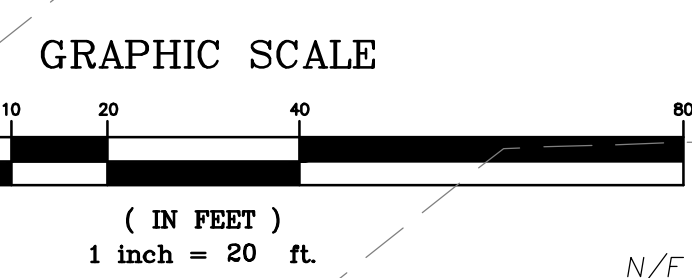
(Co)
 CONSTRUCTION EXIT
 LAT: N32.466940
 LONG: W81.763565

**Du Ds1
 Ds2 Ds3**
 ALL DISTURBED AREAS

**Du Ds1
 Ds2 Ds3**
 ALL DISTURBED AREAS

DaB
 (DOTHAN LOAMY SAND)

FsB
 (FUQUAY LOAMY SAND)



TOPOGRAPHIC SURVEY
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 BOARD OF COMMISSIONERS**

N/F
 LARRY GOULD

VETERANS MEMORIAL HWY.
 250 RIGHT OF WAY
 POSTED SPEED: 55MPH



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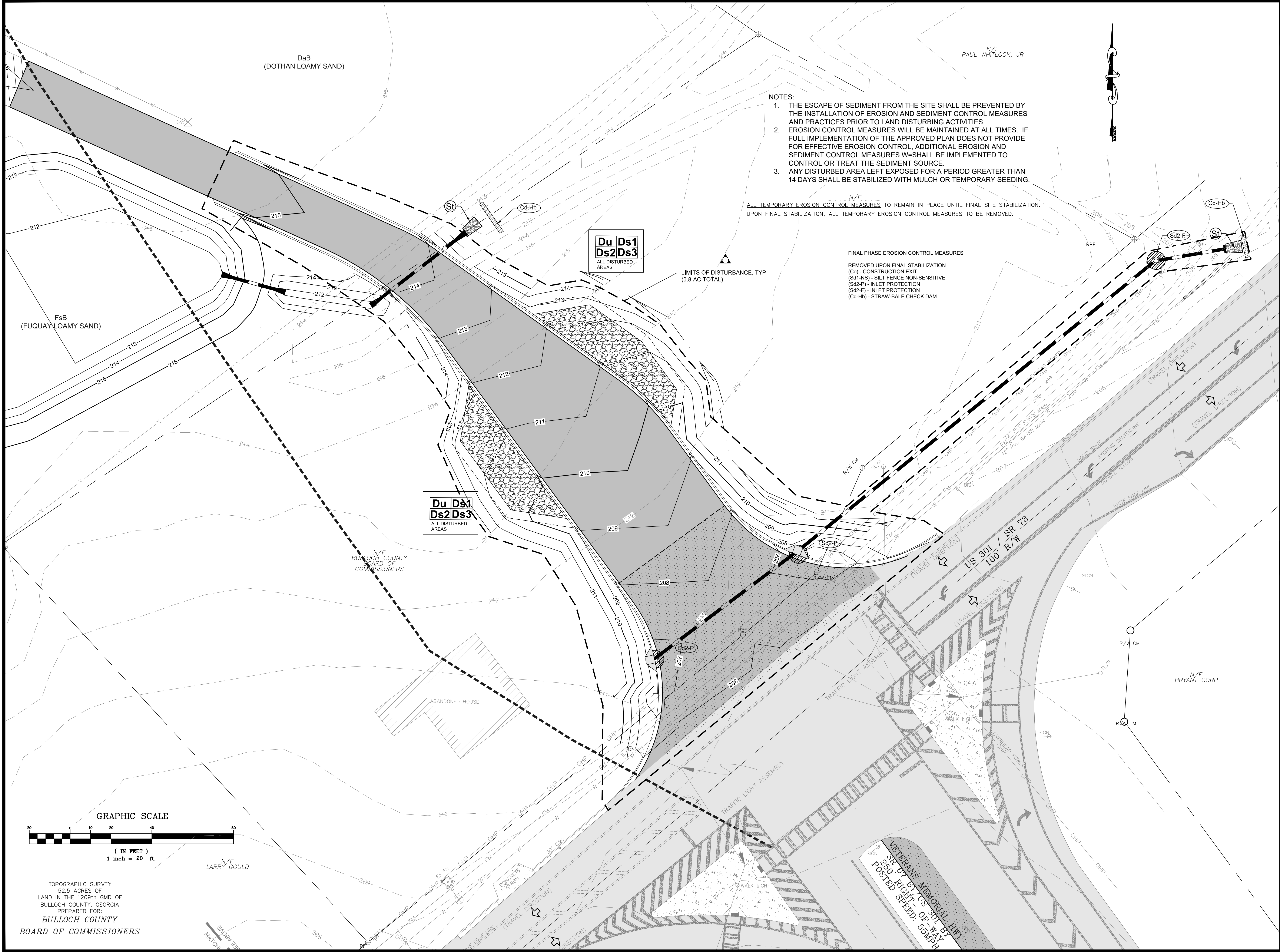
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Sheet Title:
FINAL EROSION CONTROL PLAN

Drawn by: JHR
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 Scale: 1" = 20'
 Project No: PE19130

9



- NOTES:
1. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES.
 2. 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.
 3. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

ALL TEMPORARY EROSION CONTROL MEASURES TO REMAIN IN PLACE UNTIL FINAL SITE STABILIZATION. UPON FINAL STABILIZATION, ALL TEMPORARY EROSION CONTROL MEASURES TO BE REMOVED.

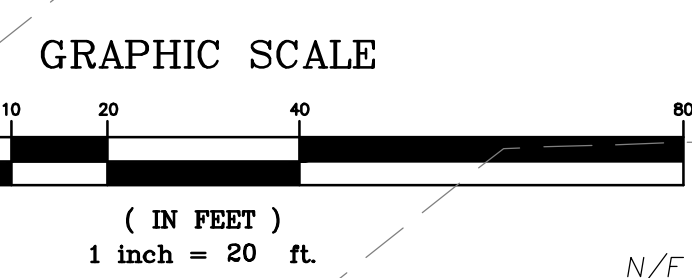
FINAL PHASE EROSION CONTROL MEASURES

- REMOVED UPON FINAL STABILIZATION
- (Co) - CONSTRUCTION EXIT
 - (Sd1-NS) - SILT FENCE NON-SENSITIVE
 - (Sd2-P) - INLET PROTECTION
 - (Sd2-F) - INLET PROTECTION
 - (Cd-Hb) - STRAW-BALE CHECK DAM

LIMITS OF DISTURBANCE, TYP.
 (0.8-AC TOTAL)

**Du Ds1
 Ds2 Ds3**
 ALL DISTURBED AREAS

**Du Ds1
 Ds2 Ds3**
 ALL DISTURBED AREAS



TOPOGRAPHIC SURVEY
 52.5 ACRES OF
 LAND IN THE 1209th GMD OF
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 PREPARED FOR:
**BULLOCH COUNTY
 BOARD OF COMMISSIONERS**

N/F
 LARRY GOULD

N/F
 PAUL WHITLOCK, JR

N/F
 BRYANT CORP

DaB
 (DOTHAN LOAMY SAND)

FsB
 (FUQUAY LOAMY SAND)

N/F
 BULLOCH COUNTY
 BOARD OF
 COMMISSIONERS

ABANDONED HOUSE

VETERANS MEMORIAL HWY
 STOP 97 BY US 301 BY
 250 RIGHT OF WAY
 POSTED SPEED: 55MPH

50. STRUCTURAL PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Sd1	SEDIMENT BARRIER			A barrier to prevent sediment from leaving the construction site. It may be sandbags, bales of straw or hay, brush, logs and poles, gravel, or a silt fence.
St	STORMDRAIN OUTLET PROTECTION			A paved or short section of riprap channel at the outlet of a storm drain system preventing erosion from the concentrated runoff.
Co	CONSTRUCTION EXIT			A crushed stone pad located at the construction site exit to provide a place for removing mud from tires thereby protecting public streets.
Cd	CHECKDAM			A small temporary barrier or dam constructed across a swale, drainage ditch or area of concentrated flow.

VEGETATIVE PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)			Establishing temporary protection for disturbed areas where seedlings may not have a suitable growing season to produce an erosion retarding cover.
Ds2	DISTURBED AREA STABILIZATION (WITH TEMP. SEEDING)			Establishing a temporary vegetative cover with fast growing seedlings on disturbed areas.
Ds3	DISTURBED AREA STABILIZATION (WITH PERM SEEDING)			Establishing a permanent vegetative cover such as trees, shrubs, vines, grasses, or legumes on disturbed areas.
Du	DUST CONTROL ON DISTURBED AREAS			Controlling surface and air movement of dust on construction site, roadways and similar sites.

52. VEGETATIVE PLAN FOR DISTURBED AREAS

All bare areas resulting from construction operations will be established to perennial vegetation as soon as possible after final grading is complete.

SEEDBED
Prepare seedbed to a depth of at least 4 inches on all areas where a good seedbed is not present. Remove rocks, roots, or other objects that will interfere with vegetation establishment or maintenance operations.

FERTILIZER
Apply agricultural lime at the rate of 1 tons per acre. Apply 1000 lbs. 15-15-15 fertilizer per acre. Spread lime and fertilizer uniformly over all areas immediately before final land preparation and mix thoroughly with the soil. Apply topdressing of 100 lbs. per acre of ammonium nitrate (or equivalent) when plants are 2 to 4 inches tall.

PLANTING
All areas shall be seeded with the following:
PLANTING DATES AND SPECIES
See Sheet 19 for planting dates and species.

MULCHING
See Sheet 19 for mulching rates.

MAINTENANCE
Apply 400 lbs. per acre or 10-10-10 fertilizer and topdress with 30 lbs. of ammonium nitrate per acre every year. Apply 1 ton of lime per 5 years.

PROVIDE VEGETATION AND MULCHING TO ALL DISTURBED AREAS IMMEDIATELY AFTER GRADING. LAND CLEARING SHALL BE KEPT TO A MINIMUM AND SHALL BE ACCOMPLISHED IN A WAY TO MINIMIZE EROSION. SCHEDULE LAND DISTURBING ACTIVITIES WITH REGARD TO WEATHER FORECAST TO LIMIT EXPOSURE OF UNPROTECTED LAND FROM WIND, RAIN AND OTHER EROSION FORCES.

GENERAL EROSION CONTROL NOTES
THIS SITE IS NOT LOCATED WITHIN A FLOOD ZONE.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT ALL STAGES OF CONSTRUCTION. CONSTRUCTION OR LAND CLEARING SHALL BEGIN WITH THE INSTALLATION OF EROSION CONTROL MEASURES.

SEDIMENT CONTROL WILL BE ACHIEVED BY USE OF SEDIMENT INLET TRAPS, SILT FENCE, SEDIMENT BASIN AND A CONSTRUCTION EXIT. REMOVE ACCUMULATED SILT FROM SILT FENCE AND CHECK DAMS WHEN THEY REACH .5' IN DEPTH.

CONTRACTOR SHALL INSPECT EROSION CONTROL MEASURES DAILY AND AFTER ALL RAIN EVENTS. ANY DAMAGES SHOULD BE REPAIRED BY THE END OF THE DAY. SEDIMENT FENCES SHALL REMAIN UNTIL THE AREA IS STABILIZED.

EROSION CONTROL MEASURES IN THE PLAN ARE THE MINIMUM REQUIRED. THE CONTRACTOR SHALL PROVIDE ADDITIONAL CONTROL MEASURES AS DETERMINED BY ACTUAL FIELD CONDITIONS.

ALL RIP-RAP SHALL BE INSTALLED FLUSH WITH CHANNEL BANKS AND BOTTOM.

SPILL CONTINGENCY PLAN
A. CONTAIN THE SPILL
B. STOP THE SOURCE
C. CLEANUP PROCEDURES SHALL BE CLEARLY POSTED
D. CLEANUP MATERIALS SHALL BE READILY AVAILABLE

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

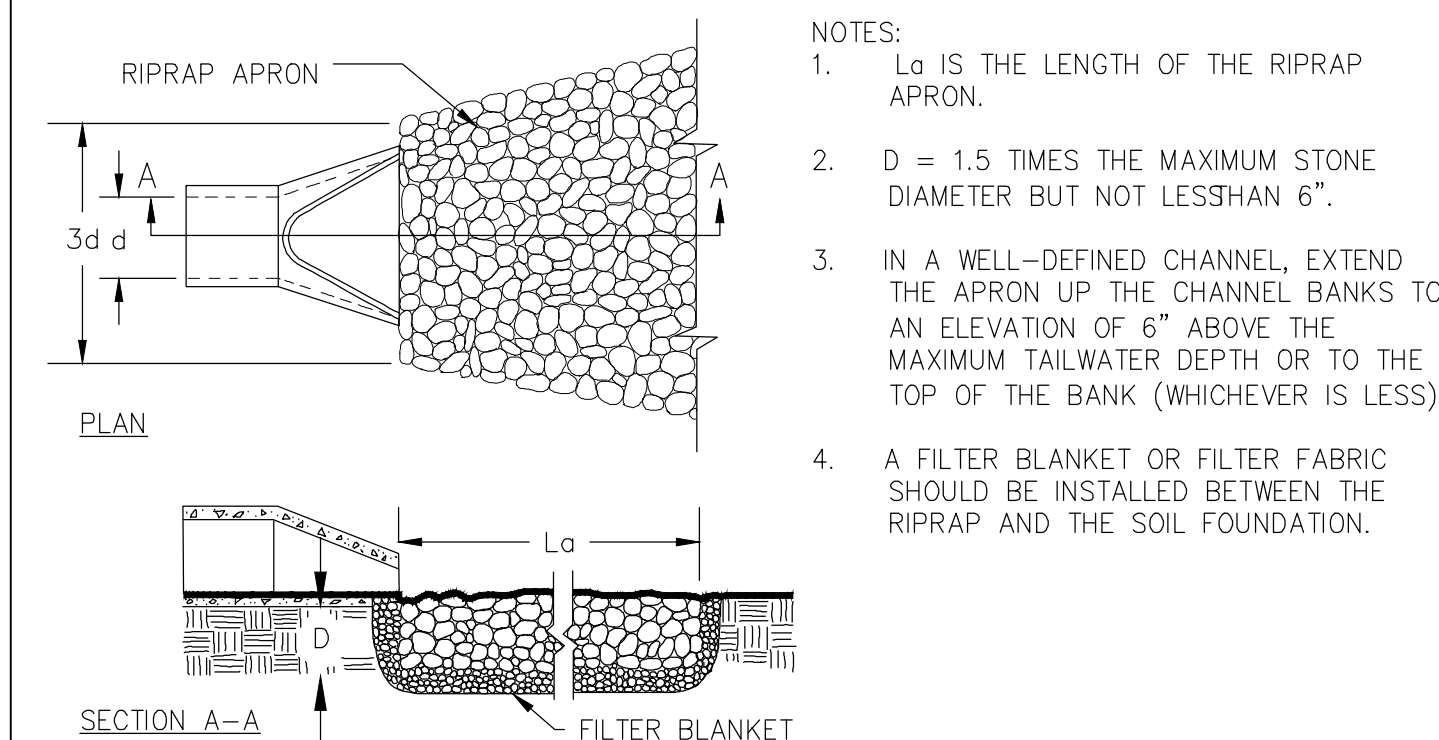
PIPE VELOCITY CHART

STRUCTURE	VELOCITY	d	La	W	ROCK SIZE	D	TAILWATER
OUTLET 1	< 5 FPS	15"	6'	10'	9"	1.5'	MIN
OUTLET 2	< 5 FPS	18"	8'	10'	9"	1.5'	MAX

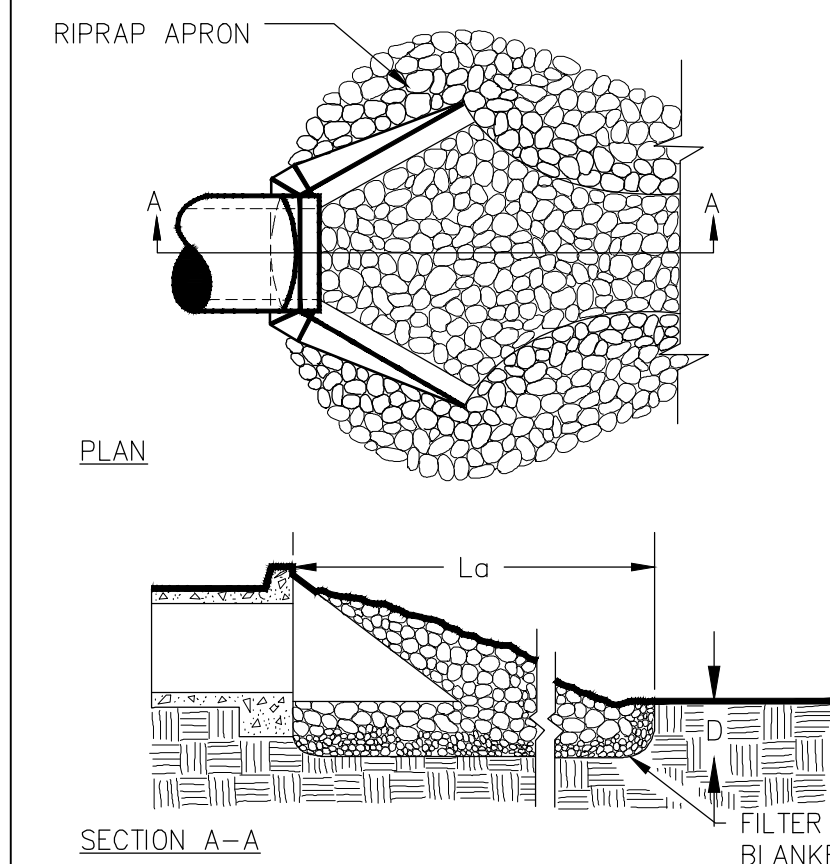
RIPRAP OUTLET PROTECTION

PIPE OUTLET TO FLAT AREA -- NO WELL DEFINED CHANNEL

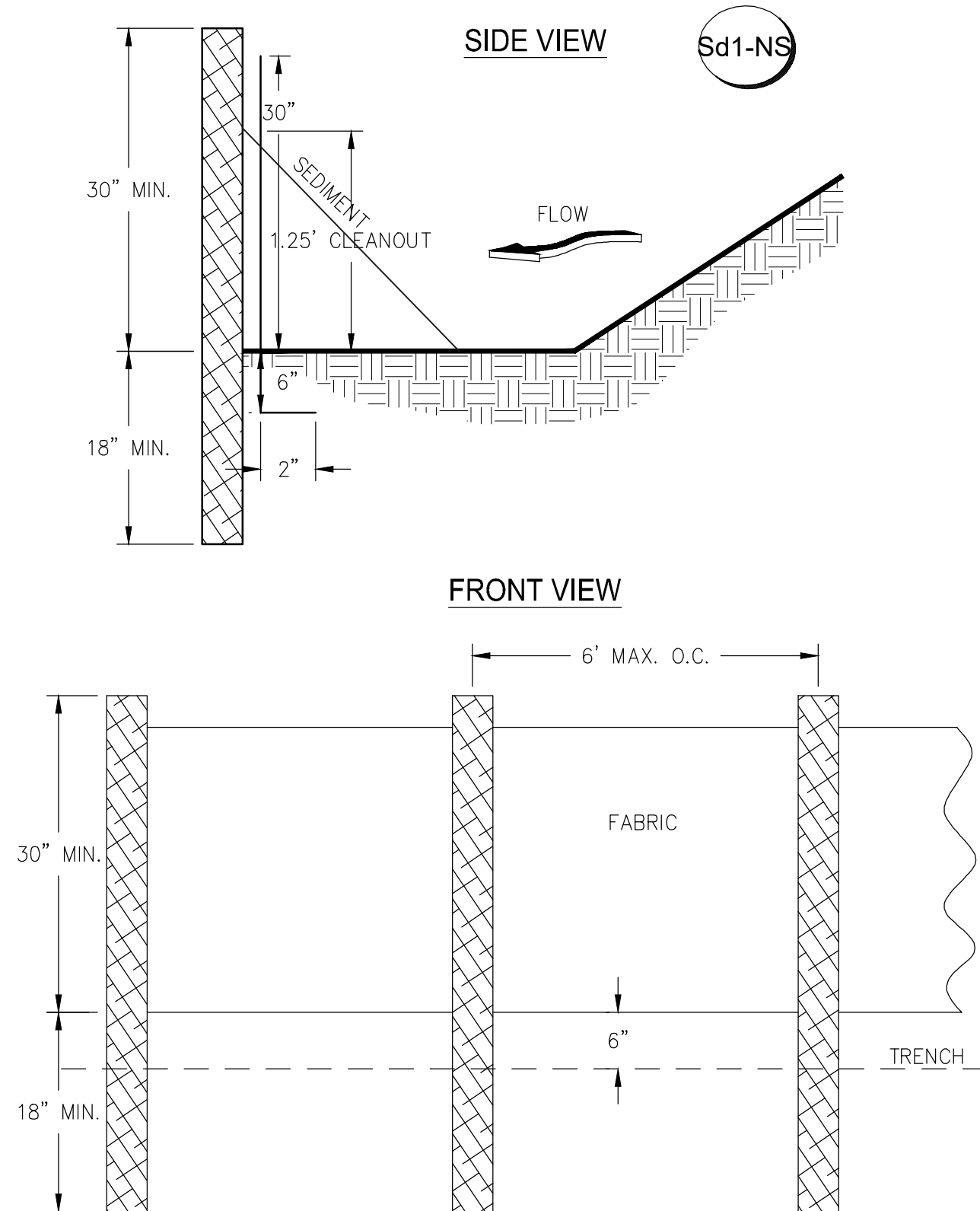
St



PIPE OUTLET TO WELL DEFINED CHANNEL

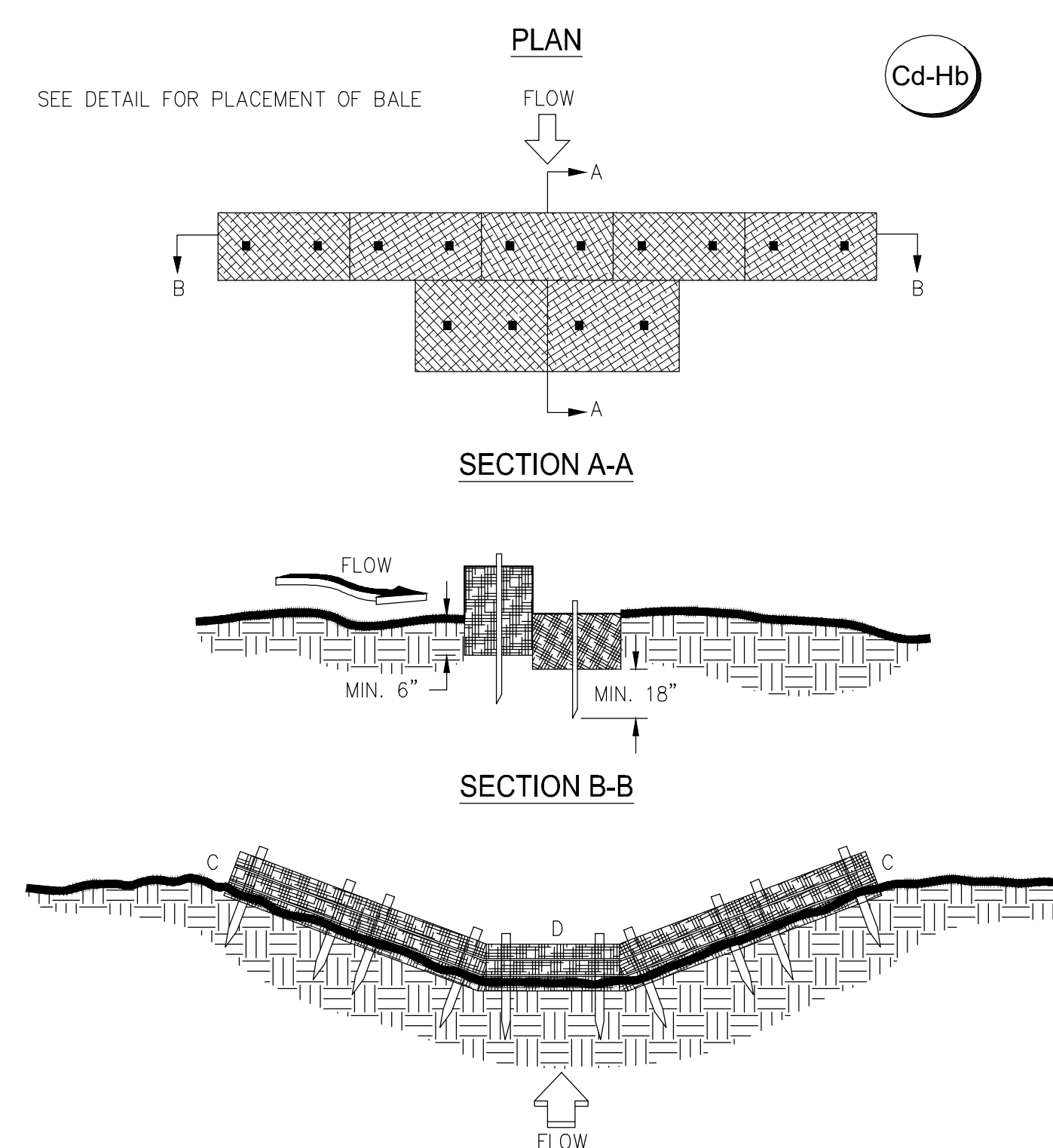


SILT FENCE - TYPE NON-SENSITIVE



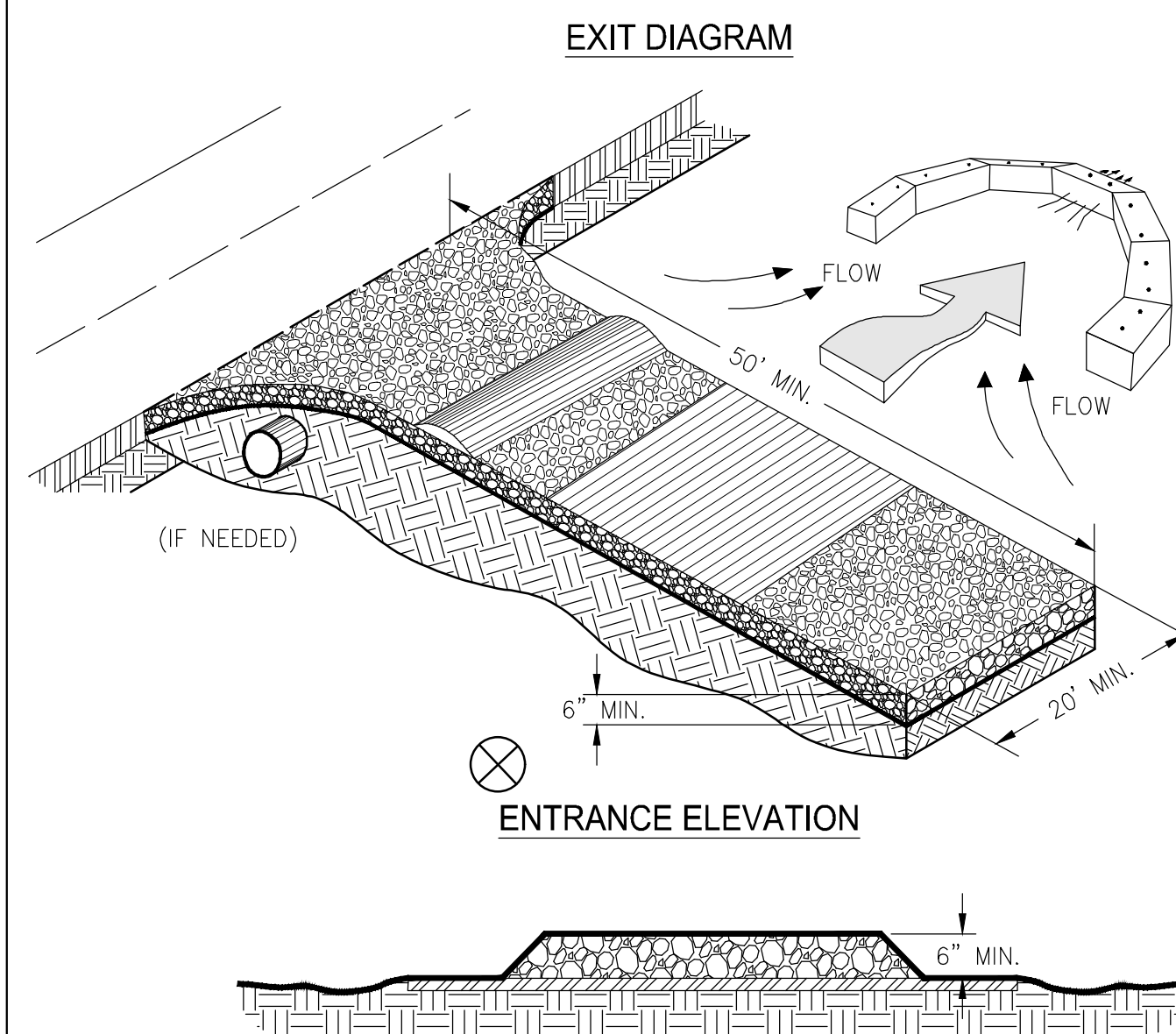
NOTES:
1. USE STEEL OR WOOD POSTS OR AS SPECIFIED BY THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
2. HEIGHT (*) IS TO BE SHOWN ON THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.

TYPICAL STRAW BALE CHECK DAM

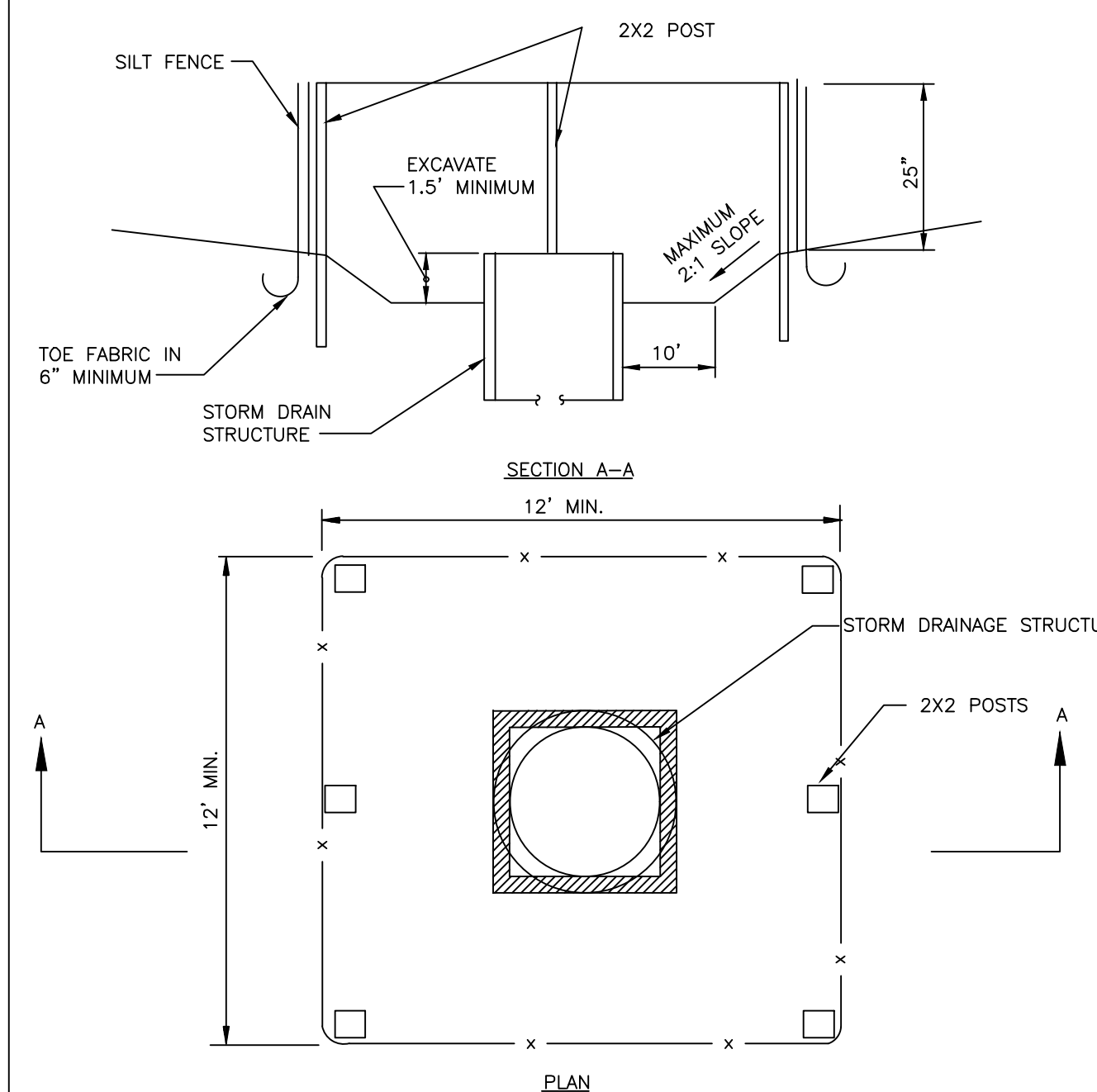


NOTES:
1. BALES SHOULD BE BOUND WITH WIRE OR NYLON STRING AND SHOULD BE PLACED IN ROWS WITH BALE ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
2. REMOVE #4 REBAR AFTER STRAW BALES ARE NO LONGER IN PLACE.
3. POINT C OF SECTION B-B SHOULD ALWAYS BE HIGHER THAN POINT D.

CRUSHED STONE CONSTRUCTION EXIT

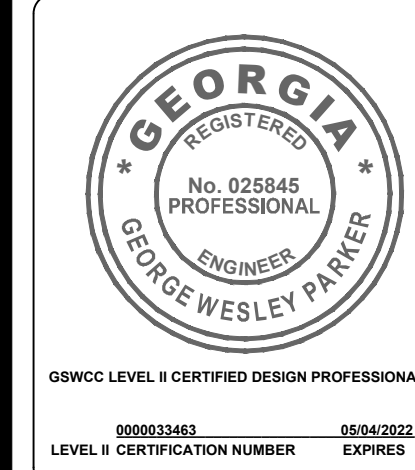


NOTES:
1. AVOID LOCATING ON STEEP SLOPES OR AT CURVES ON PUBLIC ROADS.
2. REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA, GRADE, AND CROWN FOR POSITIVE DRAINAGE.
3. AGGREGATE SIZE SHALL BE IN ACCORDANCE WITH NATIONAL STONE ASSOCIATION R-2 (1.5"-3.5" STONE).
4. GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 6".
5. PAD WIDTH SHALL BE EQUAL FULL WIDTH AT ALL POINTS OF VEHICULAR EGRESS, BUT NO LESS THAN 20'.
6. A DIVERSION RIDGE SHOULD BE CONSTRUCTED WHEN GRADE TOWARD PAVED AREA IS GREATER THAN 2%.
7. INSTALL PIPE UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES.
8. WHEN WASHING IS REQUIRED, IT SHOULD BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN (DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE ENTRANCE TO A SEDIMENT CONTROL DEVICE).
9. WASHRACKS AND/OR TIRE WASHERS MAY BE REQUIRED DEPENDING ON SCALE AND CIRCUMSTANCE. IF NECESSARY, WASHRACK DESIGN MAY CONSIST OF ANY MATERIAL SUITABLE FOR TRUCK TRAFFIC THAT REMOVE MUD AND DIRT.
10. MAINTAIN AREA IN A WAY THAT PREVENTS TRACKING AND/OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.



NOTES:
1. CONSTRUCTION OF SEDIMENT TRAP SHALL CONFORM TO THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" - CHAPTER 6.
2. CROSS-BRACING SHALL BE INSTALLED AS NEEDED.

Sd2=F INLET SEDIMENT TRAP (FRAME)
NOT TO SCALE



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Sheet Title:
EROSION CONTROL NOTES

Drawn by: JHR
Designed by: JHR
Checked by: GWP
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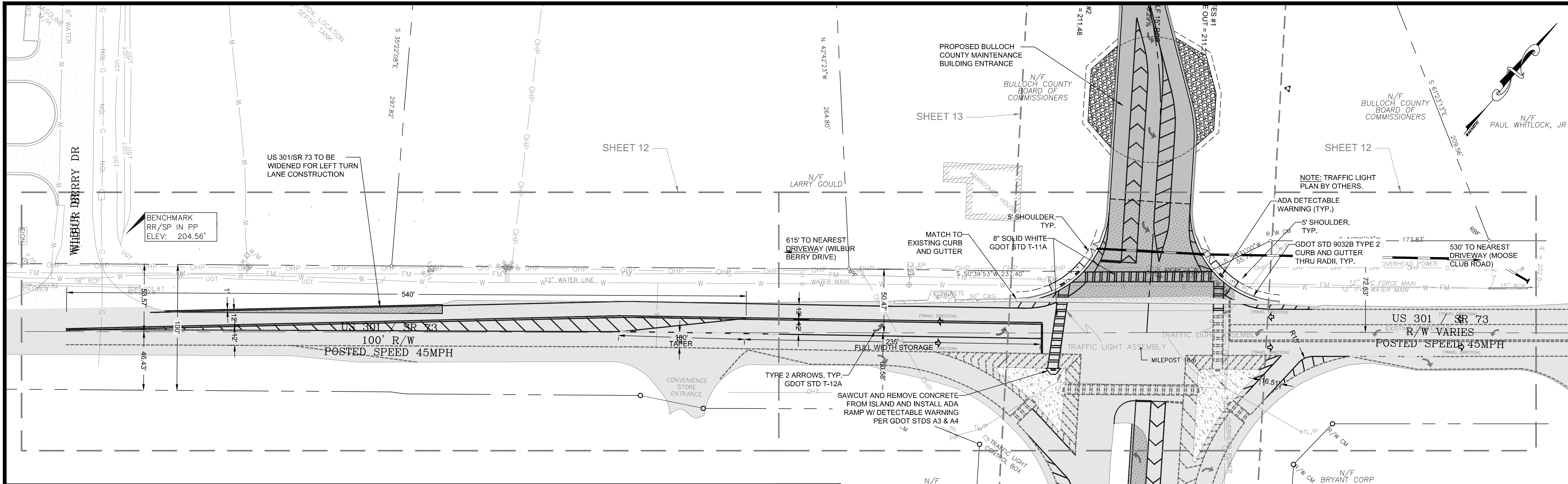
10



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GDOT R/W CONSTRUCTION NOTES:

- ALL ELEVATIONS ARE BASED ON MEAN SEA LEVEL DATUM.
- ALL ITEMS WHICH ARE REMOVED AND ARE NOT TO BE REUSED SHALL BE MOVED TO A PROPER LOCATION TO ASSURE NO UNSIGHTLY DEBRIS ALONG THE PROJECT DURING CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND FURNISHING THE BORROW MATERIAL NECESSARY FOR THE CONSTRUCTION OF THIS PROJECT.
- ALL CUT AND FILL SLOPES SHALL BE GRASSED AS DIRECTED BY THE ENGINEER IMMEDIATELY FOLLOWING THE FINAL GRADING OPERATIONS. SHOULD CONDITIONS BE PRESENT WHICH DO NOT PERMIT GRASSING, THEN STRAW MULCH STABILIZATION SHALL BE USED AT DIRECTION OF ENGINEER.
- ALL EXISTING MANHOLE TOPS SHALL BE ADJUSTED TO MATCH PROPOSED PAVEMENT FINISHED GRADE ELEVATIONS.
- ONLY CONCRETE PIPES, CLASS III, SHALL BE USED INSIDE OF THE RIGHT-OF-WAY.
- SILT IN THE BARRELS OF EXISTING STRUCTURES, TO BE EXTENDED OR INCORPORATED INTO THE FINAL DRAINAGE SCHEME, SHALL BE REMOVED BY THE CONTRACTOR PRIOR TO CONSTRUCTION OF NEW DRAINAGE ITEMS.
- REQUIRED CONCRETE CURB AND GUTTER OR HEADER CURB SHALL BE TRANSITIONED, AS NECESSARY, TO TIE TO EXISTING CURB, NORMALLY OVER 5 FEET.
- EXCAVATED UNSUITABLE MATERIAL MAY BE USED TO FLUSH AND FLATTEN SIDE SLOPES AT THE DIRECTION OF THE GDOT ENGINEER.
- TRAFFIC STRIPING AND PAVEMENT MARKING SHALL CONFORM TO GDOT 'DETAIL OF PAVEMENT MARKINGS' CONSTRUCTION DETAILS. ALL MARKINGS ARE TO BE THERMOPLASTIC.
- DURING CONSTRUCTION IN THE AREA OF AN INTERSECTION, WORK WILL BE PERFORMED IN SUCH A MANNER AS TO PERMIT TRAFFIC TO OPERATE WITH THE LEAST AMOUNT OF INCONVENIENCE POSSIBLE. ADDITIONAL CHANNELIZATION AND SIGNING SHALL BE INSTALLED AS DIRECTED BY THE ENGINEER, TO ALLOW TRAFFIC TO FLOW AS FREELY AS POSSIBLE. WHEN AN INTERSECTION IS INOPERABLE, FLAGGERS WILL BE UTILIZED TO CONTROL AND PROHIBIT MOVEMENT INTO THE PROJECT AT THAT POINT UNTIL THE CONSTRUCTION ACTIVITIES HAVE CLEARED THE INTERSECTION SUFFICIENTLY TO RETURN THE INTERSECTION TO NORMAL USE.
- FOR NIGHTTIME OPERATIONS, ALL CHANNELIZING DEVICES IN ADVANCE OF AND THROUGHOUT THE WORK AREA SHALL HAVE REFLECTIVE TAPE.

GDOT NOTES:

- SPEED LIMIT = 45 MPH
- MILE MARKER = 16.6
- SITE LOCATION: STATESBORO, GA-- S.R. 73 AT US 301 BYPASS, DISTURBED PROPERTY FRONTAGE OFF S.R. 73: 250'
- INTERSECTION SIGHT DISTANCE IS GREATER THAN 560' ON THE WEST AND GREATER THAN 530' ON THE EAST.

UTILITY OWNERS

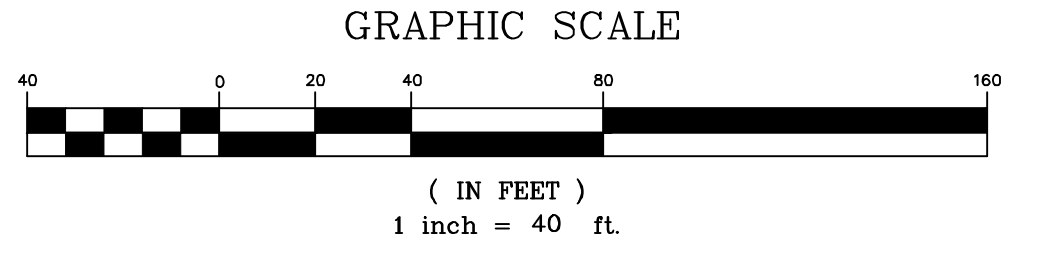
- WATER, SANITARY SEWER & NATURAL GAS**
 OWNER - CITY OF STATESBORO
 CONTACT - KEITH PERKINS (WATER & SEWER) (912)764-0693
 CONTACT - KEN DEAL (NATURAL GAS) (912)764-0693
- ELECTRIC**
 OWNER - EXCELSIOR ELECTRIC MEMBERSHIP CORP.
 CONTACT - STAN LANIER (912)764-2123
 OWNER - GEORGIA POWER CO.
 CONTACT - WARREN GROOVER (912)486-0484
- TELEPHONE**
 OWNER - BULLOCH TELEPHONE CO-OP, INC.
 CONTACT - MAIN OFFICE (912)865-1100
 OWNER - FRONTIER TELEPHONE
 CONTACT - DALE McCORKLE (912)531-3039

NOTES ABOUT SITE:

- NAME OF PROPERTY OWNER AND PERMIT APPLICANT:
 BULLOCH COUNTY COMMISSIONERS
 ADDRESS: 115 NORTH MAIN STREET
 STATESBORO, GA 30458
 TELEPHONE NUMBER: 1-912-764-6245
 EMAIL ADDRESS: bdeal@bullochcounty.net
- LAND LOT NUMBER: MS69 000015
- SECTION NUMBER: 000
- GEORGIA MILITIA DISTRICT: 1209th
- DISTRICT NUMBER: 5 (JESUP)
- COUNTY: BULLOCH
- ENGINEER: WESLEY PARKER
 ADDRESS: 36 COURTLAND STREET, SUITE B
 STATESBORO, GA 30458
 TELEPHONE NUMBER: 1-912-764-7722
 EMAIL ADDRESS: wesley@parker-engineering.com
- SPEED LIMIT ON S.R. 73: 45 MPH
- TOTAL FRONTAGE OWNED: 510'
- ALL STRIPING IN GDOT R.O.W. SHALL BE THERMOPLASTIC AND MEET GDOT STANDARDS.
- TOTAL FRONTAGE DEVELOPED: 250'



VICINITY MAP

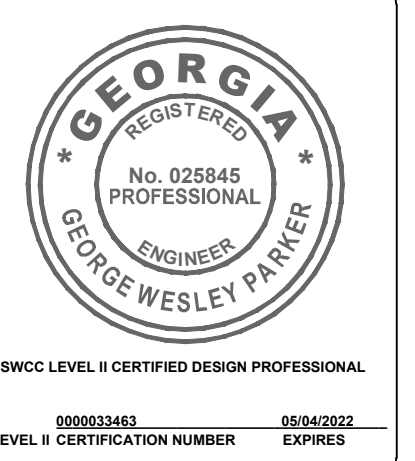
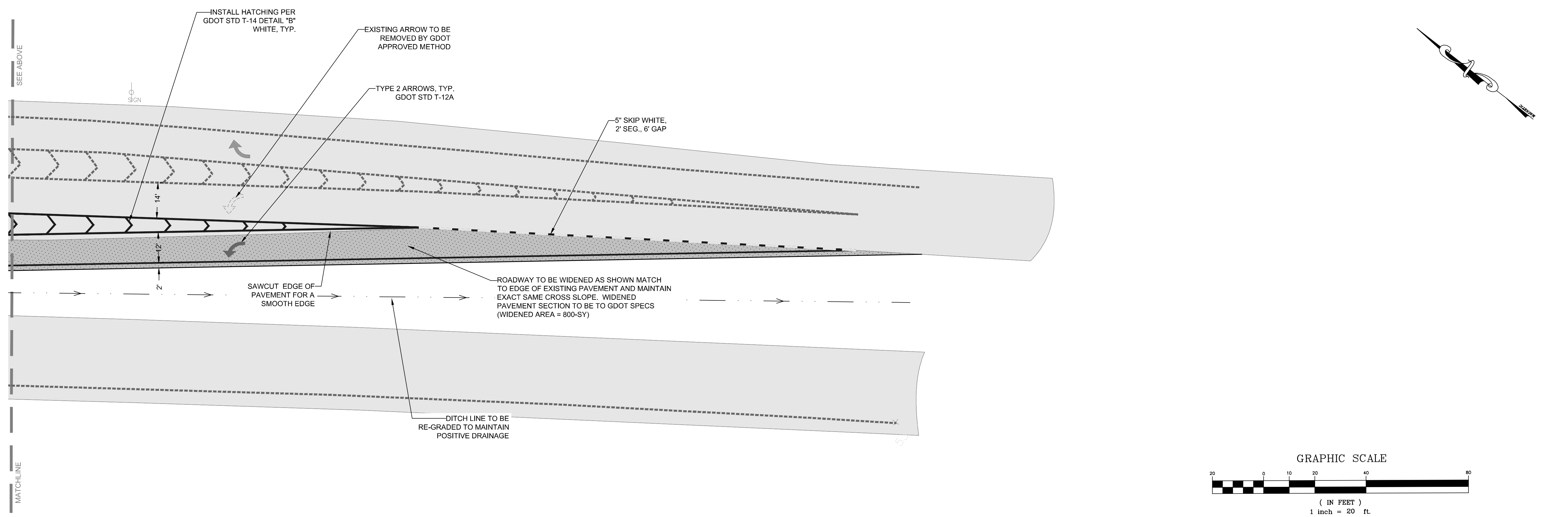
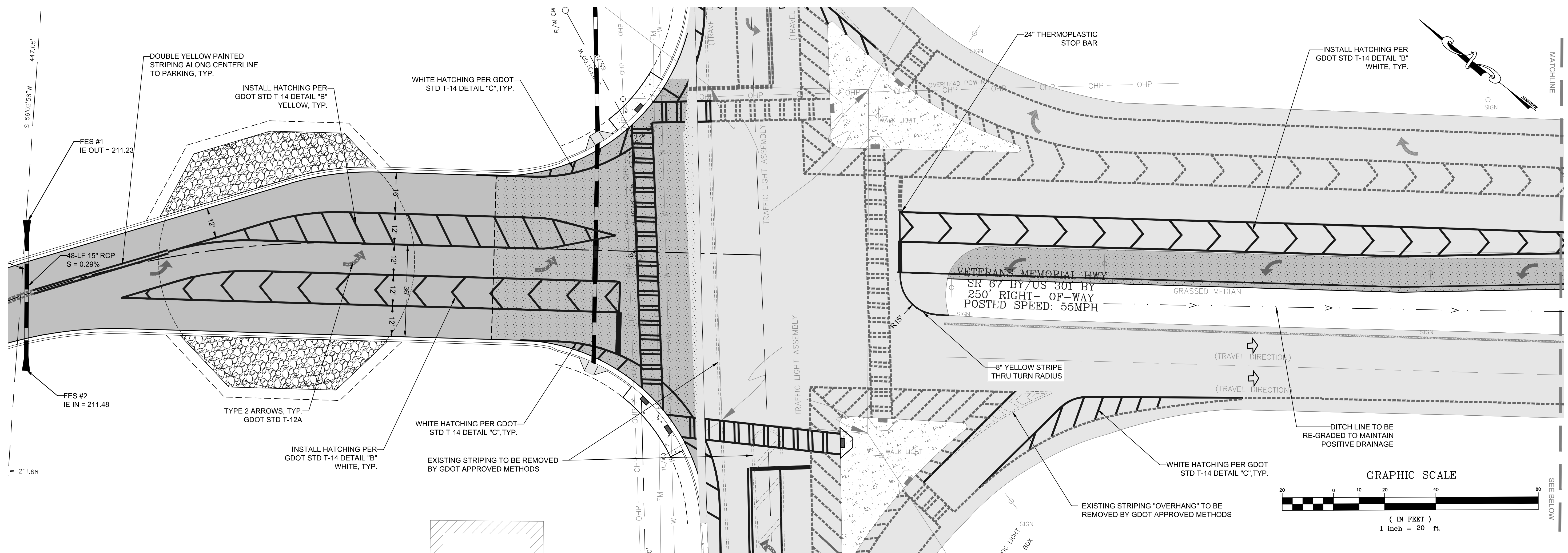


No.	Date	Revision
Δ	08/17/21	INITIAL PLAN SET
Δ	03/24/22	REVISED GDOT SUBMITTAL

Sheet Title:
GDOT OVERALL PLAN

Drawn by: JHR
 Designed by: JHR
 Checked by: GWP
 Scale: 1" = 40'
 Project No.: PE19130

11



36 Courtland Street, Suite B
 Statesboro, Georgia 30458
 Phone: 912-764-7722



BULLOCH COUNTY MAINTENANCE
BUILDING ENTRANCE
BULLOCH COUNTY, GEORGIA
 prepared for:
BULLOCH COUNTY COMMISSIONERS

No.	Date	Revision
Δ	08/17/21	INITIAL PLAN SET
Δ	03/24/22	REVISED GDOT SUBMITTAL

Sheet Title:
GDOT ROADWAY PLANS

Drawn by: JHR
 Designed by: JHR
 Checked by: GWP
 Scale: 1" = 20'
 Project No.: PE19130

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Phone: 912-764-7722



BULLOCH COUNTY MAINTENANCE
BUILDING ENTRANCE
BULLOCH COUNTY, GEORGIA
prepared for:
BULLOCH COUNTY COMMISSIONERS

TYPICAL LOCATIONS FOR CURB CUT RAMP - PLAN VIEW

CONCRETE SIDEWALK DETAILS

Type A (Perpendicular) (Parapet Ramp)
Type B (Parapet)
Type C (Parapet)
Type D (Parapet)

Skewed Ramp Details (Applies to Type A Type D Ramps Only)

CONCRETE SIDEWALK DETAILS (Continued)

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
SPECIAL DETAIL
CONCRETE SIDEWALK DETAILS
CURB CUT (WHEELCHAIR) RAMP

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
SPECIAL DETAIL
CONCRETE SIDEWALK DETAILS
CURB CUT (WHEELCHAIR) RAMP

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
SPECIAL DETAIL
CONCRETE SIDEWALK DETAILS
CURB CUT (WHEELCHAIR) RAMP

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
SPECIAL DETAIL
CONCRETE SIDEWALK DETAILS
CURB CUT (WHEELCHAIR) RAMP

CONCRETE SIDEWALK DETAILS (Continued)

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
SPECIAL DETAIL
CONCRETE SIDEWALK DETAILS
CURB CUT (WHEELCHAIR) RAMP

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
SPECIAL DETAIL
CONCRETE SIDEWALK DETAILS
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DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
SPECIAL DETAIL
CONCRETE SIDEWALK DETAILS
CURB CUT (WHEELCHAIR) RAMP

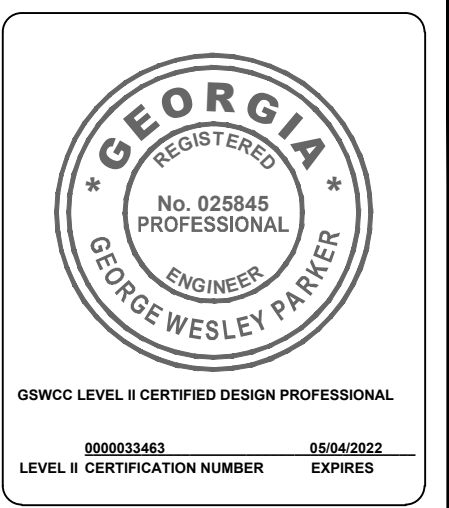
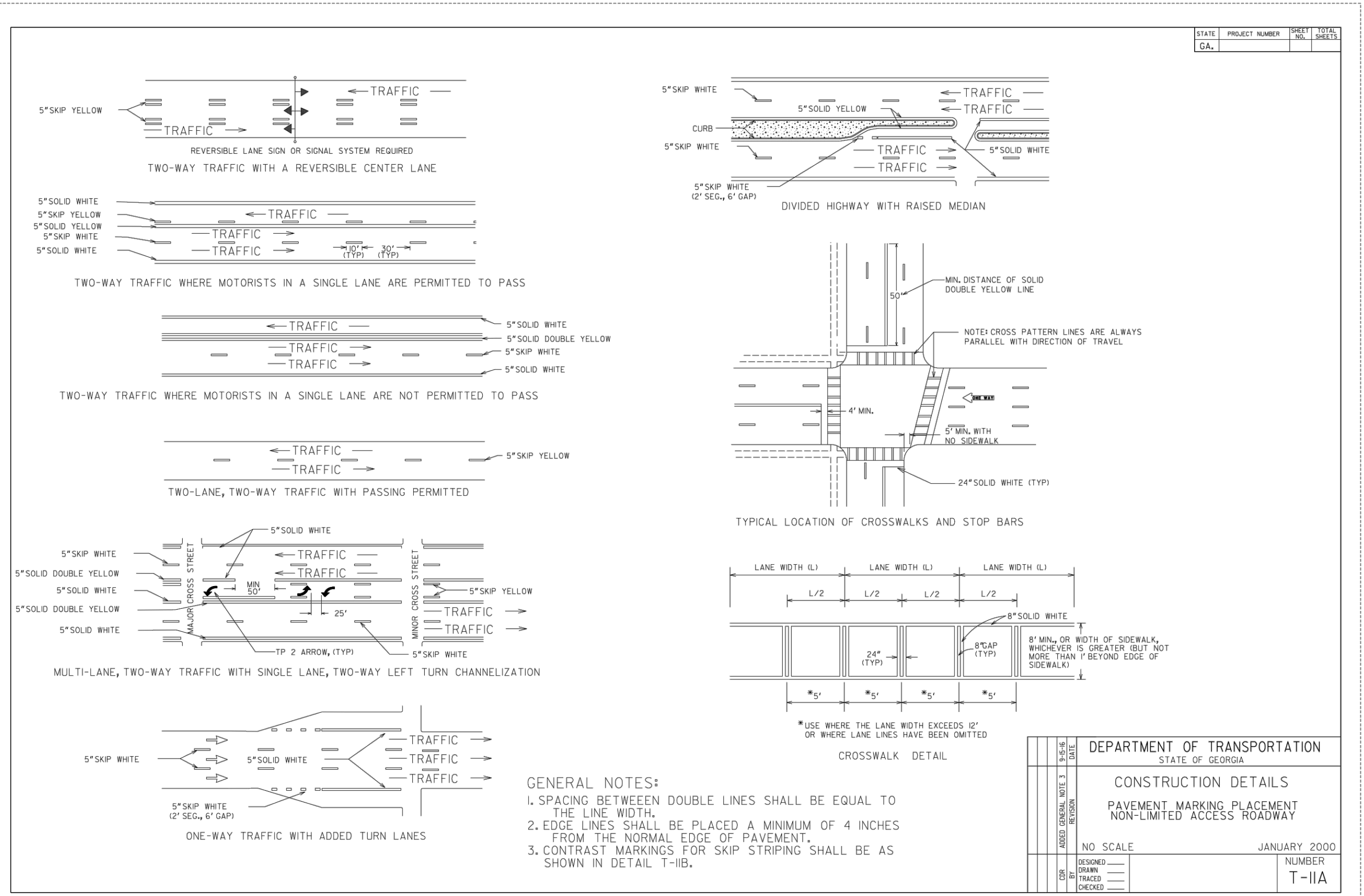
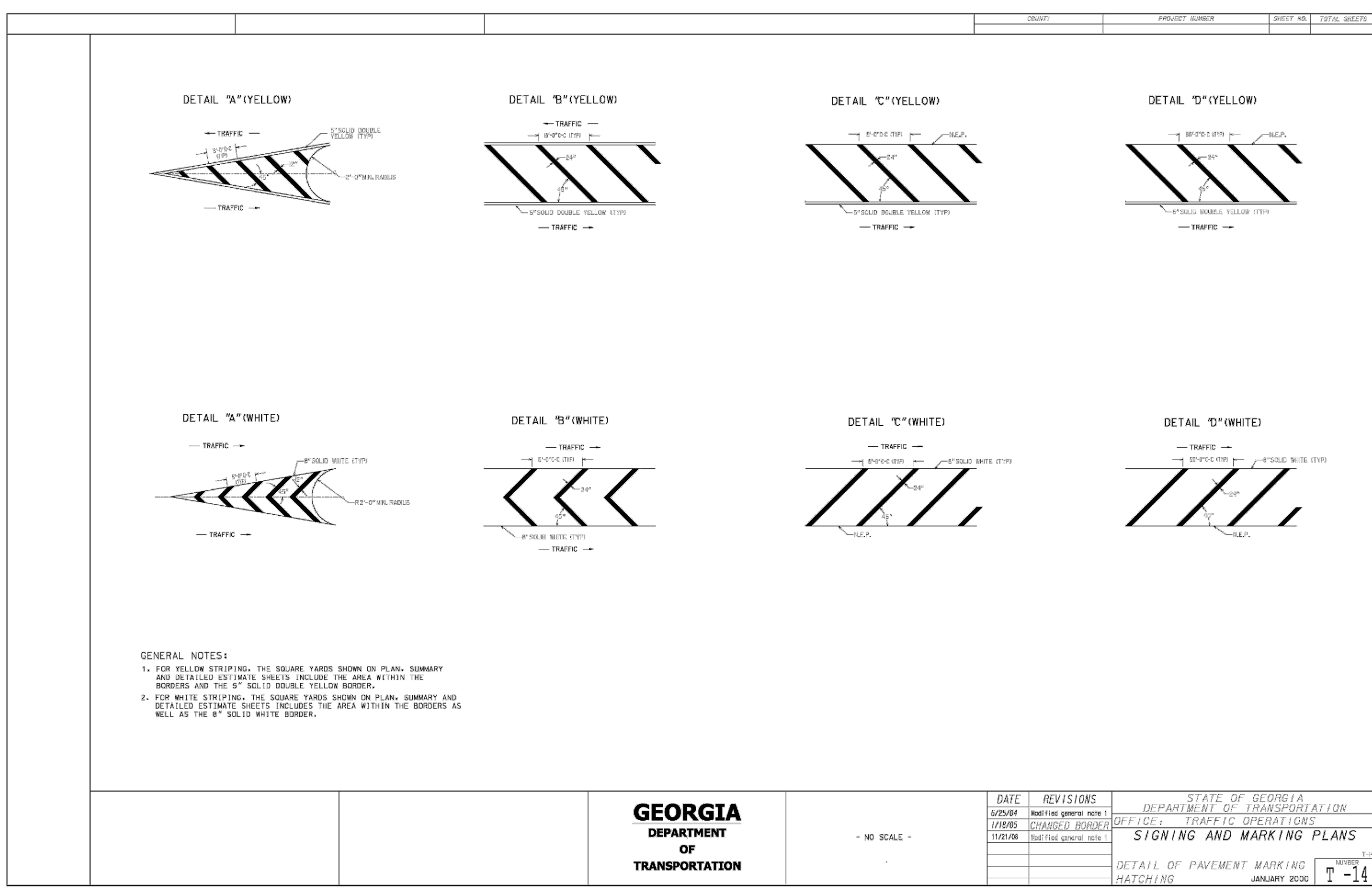
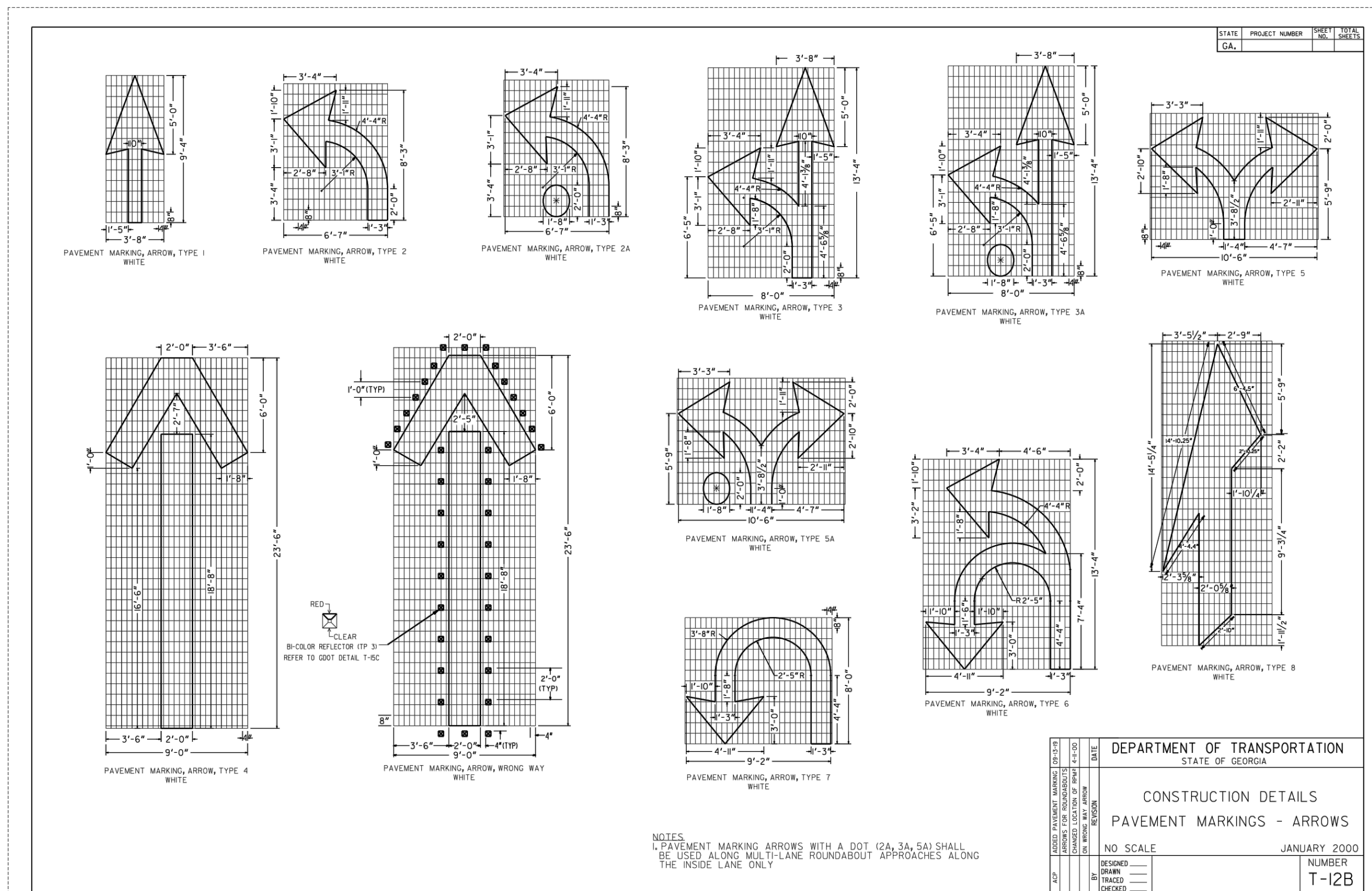
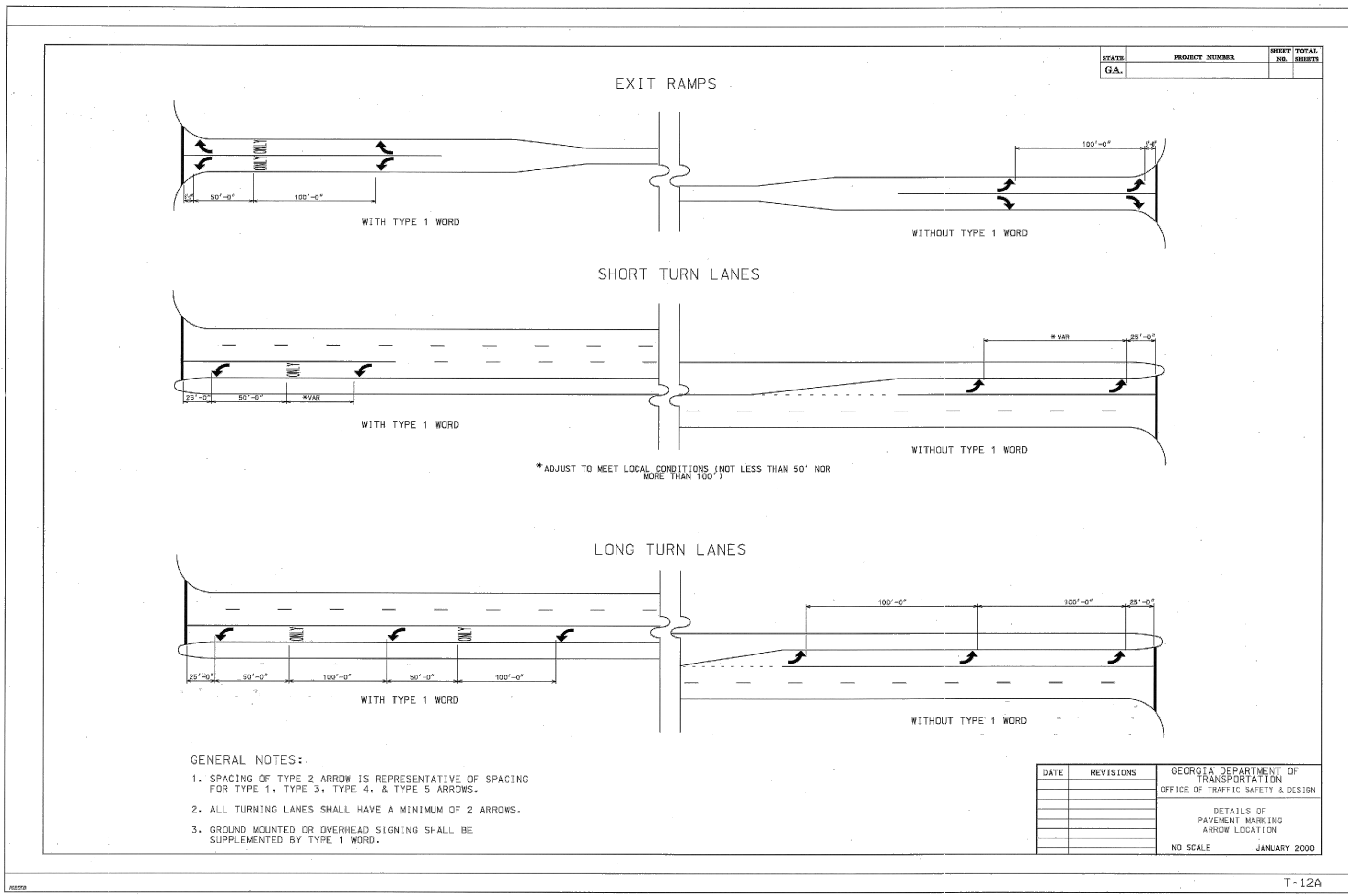
DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
SPECIAL DETAIL
CONCRETE SIDEWALK DETAILS
CURB CUT (WHEELCHAIR) RAMP

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
SPECIAL DETAIL
CONCRETE SIDEWALK DETAILS
CURB CUT (WHEELCHAIR) RAMP

No.	Date	Revision
1	08/17/21	INITIAL PLAN SET
2	03/24/22	REVISED GDOT SUBMITTAL

Sheet Title:
GDOT ENTRANCE CONSTRUCTION DETAILS

Drawn by: JHR
Designed by: JHR
Checked by: GWP
Scale: N.T.S.
Project No: PE19130



36 Courtland Street, Suite B
Statesboro, Georgia 30458
Phone: 912-764-7722



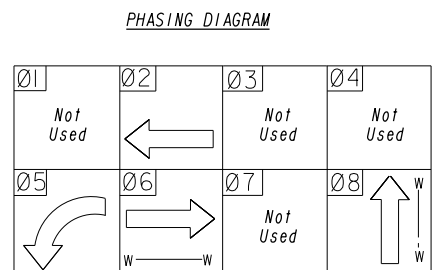
**BULLOCH COUNTY MAINTENANCE
BUILDING ENTRANCE
BULLOCH COUNTY, GEORGIA**
prepared for:
BULLOCH COUNTY COMMISSIONERS

No.	Date	Revision
Δ	08/17/21	INITIAL PLAN SET
Δ	03/24/22	REVISED GDOT SUBMITAL

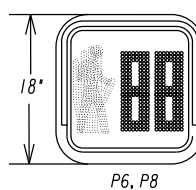
Sheet Title:
GDOT ENTRANCE
CONSTRUCTION
DETAILS

Drawn by: JHR
Designed by: JHR
Checked by: GWP
Scale: N.T.S.
Project No. PE19130

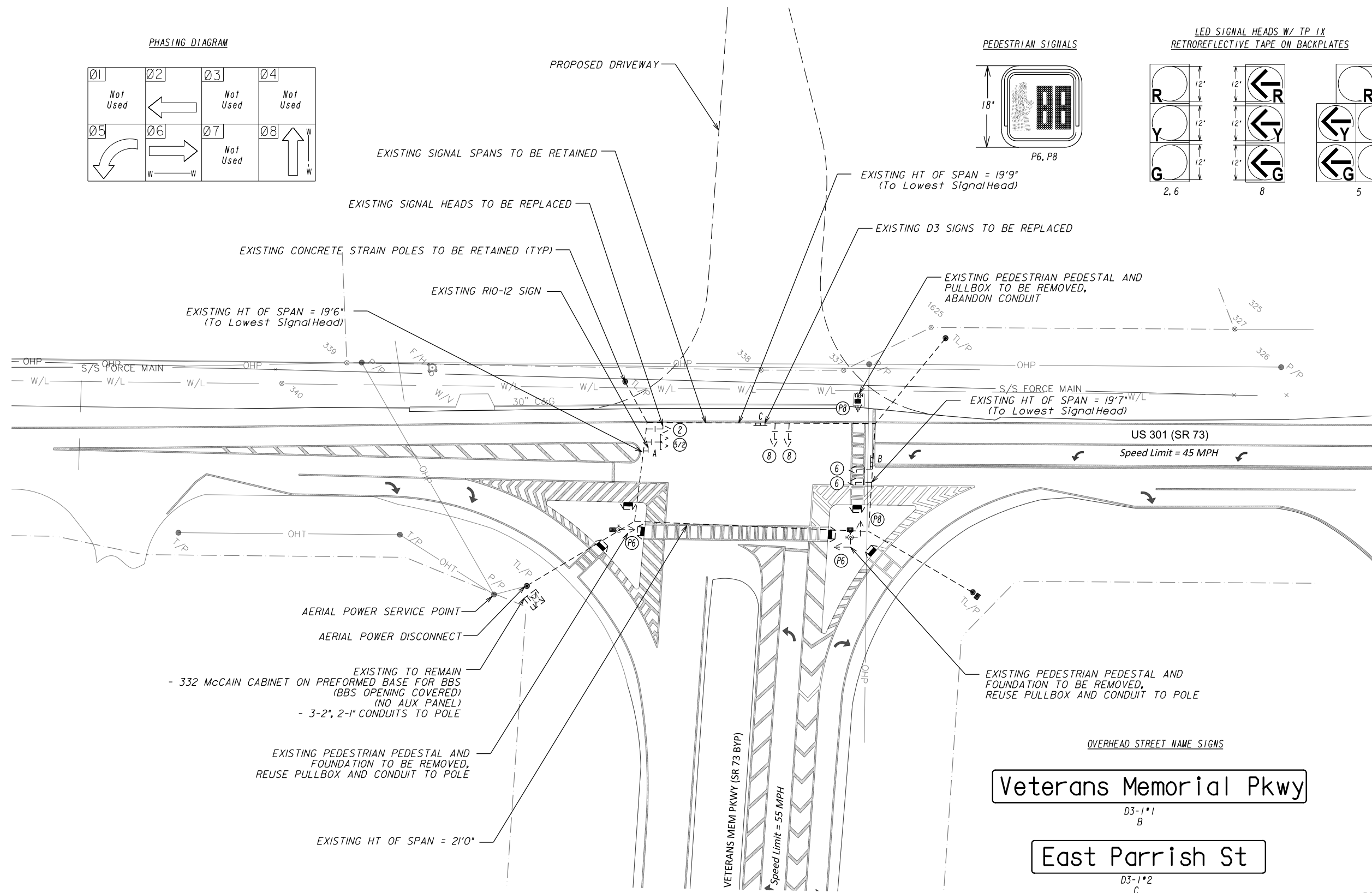
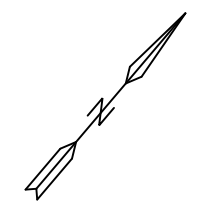
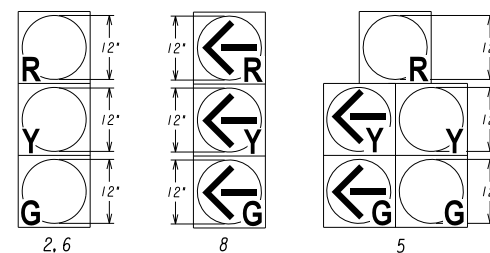
16



PEDESTRIAN SIGNALS



LED SIGNAL HEADS W/ TP 1X
RETROREFLECTIVE TAPE ON BACKPLATES



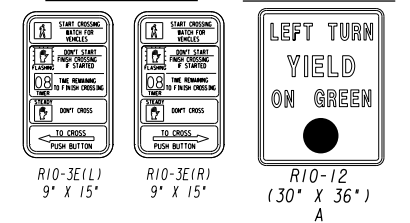
EXISTING TO REMAIN
- 332 McCAIN CABINET ON PREFORMED BASE FOR BBS
(BBS OPENING COVERED)
(NO AUX PANEL)
- 3-2", 2-1" CONDUITS TO POLE

EXISTING PEDESTRIAN PEDESTAL AND
FOUNDATION TO BE REMOVED,
REUSE PULLBOX AND CONDUIT TO POLE

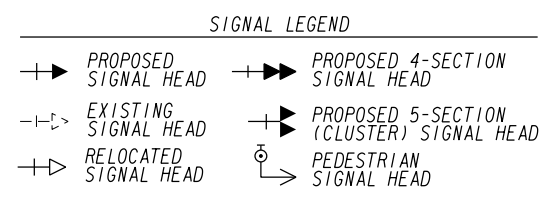
Veterans Memorial Pkwy
D3-1*1
B

East Parrish St
D3-1*2
C

PEDESTRIAN SIGNS REGULATORY SIGNS

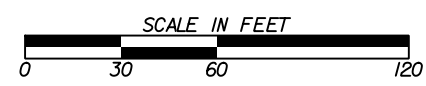


• PROPOSED DRIVEWAY SHOWN
WITH EXISTING SIGNAL EQUIPMENT



MW Maldino & Wilburn
Traffic Engineering Consultants
A Woman-Owned Business

1864 Lower Fayetteville Rd, Newnan, GA 30265
770.362.6184



REVISION DATES

SR 73 & SR 73 BYPASS
EXISTING SIGNAL CONDITIONS *

CHECKED:	DATE:	DRAWING No.
BACKCHECKED:	DATE:	27-0001
CORRECTED:	DATE:	
VERIFIED:	DATE: 3/21/22	

332 CABINET INPUT ASSIGNMENT

UPPER INPUT FILE

Slot	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Type	Det	Det				Det						DC	DC	DC
Channel 1 C1 Pin	56	39	63	47	58	41	65	49	60		80	67	68	81
Function	L5	L2				L4					ADVANCE	ø2 Ped	ø6 Ped	Flash
Field Term	TB2 1.2	TB2 5.6	TB2 9.10	TB4 1.2	TB4 5.6	TB4 9.10	TB6 1.2	TB6 5.6	TB6 9.10			TB8 4.6	TB8 7.9	N/C
Detector	1	3	5	7	9	11	13	15	17			Ped 2	Ped 6	
Assigned	5	2				4		4	5			ø 2	ø 6	

Channel 2 C1 Pin	56	43	76	47	58	45	78	49	62		53	69	70	82
Function						L4A					SPARE 1	ø4 Ped	ø8 Ped	Stop Time
Field Term	TB2 3.4	TB2 7.8	TB2 11.12	TB4 3.4	TB4 7.8	TB4 11.12	TB6 3.4	TB6 7.8	TB6 11.12			TB8 5.6	TB8 9.10	N/C
Detector	1	4	6	7	9	12	14	15	18			Ped 4	Ped 8	
Assigned						4						ø 4	ø 8	

LOWER INPUT FILE

Slot	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Type		Det				Det				TBA			DC	DC
Channel 1 C1 Pin	55	40	64	48	57	42	66	50	59		54	71	72	51
Function		L6				L8						EVA	EVB	RR1
Field Term	TB3 1.2	TB3 5.6	TB3 9.10	TB5 1.2	TB5 5.6	TB5 9.10	TB7 1.2	TB7 5.6	TB7 9.10			TB9 4.6	TB9 7.9	TB9 10.12
Detector	19	21	23	25	29	31	33	35	37		SPARE 2	PRE 3	PRE 4	PRE 1
Assigned		6				8								

Channel 2 C1 Pin	55	44	77	48	57	46	79	50	61		75	73	74	52
Function	ø1	L6A				L8		ø8	ø3		SPARE 3	EVC	EVD	RR2
Field Term	TB3 3.4	TB3 7.8	TB3 11.12	TB5 3.4	TB5 7.8	TB5 11.12	TB7 3.4	TB7 7.8	TB7 11.12			TB9 5.6	TB9 8.9	TB9 10.12
Detector	19	22	24	25	29	32	34	35	38			PRE 5	PRE 6	PRE 2
Assigned		6				8								

LIST OF MATERIALS - SEE LUMP SUM PAY ITEM 647-1000 IN PAY ITEM QUANTITIES	UNIT	QUANTITY
CONTROLLER CABINET ASSEMBLIES	-	
G. DC ISOLATOR	EA	2
H. LOOP DETECTOR, 2 CHANNEL	EA	5
M. AUXILLARY OUTPUT FILE	EA	1
LOOP/PED LEAD-IN WIRE (SHIELDED, TWSTED/1000 FT); 3 PAIR, 18 AWG	REEL	2
SIGNAL CABLE (14 AWG); 7 CONDUCTOR, PER 1000 FT.	REEL	2
LOOP DETECTOR WIRE (14 AWG, STRANDED/1000 FT)	REEL	2
3-SECTION, 12" SIGNAL HEAD LED - , YELLOW HOUSING w/ BLACK FRONT, PLASTIC	EA	11
4-SECTION, 12" SIGNAL HEAD LED - , YELLOW HOUSING w/ BLACK FRONT, PLASTIC	EA	1
1-SECTION, 16" x 18" LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, FULL HAND/MAN OVERLAP, YELLOW	-	
9" HIGH, Numbers & 12" Symbols	EA	8
PEDESTRIAN PUSHBUTTON STATION ADAPTERS (ONLY)	-	
9" x 15", Double Push Button Station Adapter for 4" Dia Pedestrian Pole, Adjustable	EA	4
PEDESTRIAN PUSHBUTTONS STATIONS, w/BUTTONS and SIGNS, PIEZO STYLE TYPE A:	-	
9" x 15", R10-3e, (L)eft or (R)ight, Countdown	EA	8
BACK PLATE FOR ONE-WAY, 3-SECTION, 12" SIGNAL HEAD, ABS PLASTIC, BLACK w/ RETROREFLECTIVE STRIP	EA	11
BACK PLATE FOR ONE-WAY, 4-SECTION, 12" SIGNAL HEAD, ABS PLASTIC, BLACK w/ RETROREFLECTIVE STRIP	EA	1
HARDWARE FOR SPANWIRE MOUNTING (3 or 4 Section Signals)	EA	12
HARDWARE FOR PEDESTAL POLE, TOP POST MOUNTING, TWO-WAY BRACKET ASSEMBLY, YELLOW	EA	4
PEDESTAL POLE & SQUARE BASE	EA	4
PULL BOX, PB-2	EA	8
PULL BOX, PB-3	EA	1
LOOP SAW CUT	LF	450
CONDUIT, 1", TP 2 (TRENCHED)	LF	100
CONDUIT, 2", TP 2 (TRENCHED)	LF	200
CONDUIT, 2", TP 3 (TRENCHED)	LF	700
R560-5 W/ POST	EA	1
R10-5A, LEFT TURN YIELD ON FLASHING YELLOW SIGN	EA	4
OH STREET NAME SIGNS, TP 2 MATL, TP 9 REFL SHEETING	SF	47
MISCELLANEOUS MATERIALS NEEDED TO COMPLETE INSTALLATION	LUMP	1

PAY ITEM QUANTITIES			
647-1000	TRAFFIC SIGNAL INSTALLATION NO. 1	EA	1
682-6233	CONDUIT, NONMETL, TP 3, 2 IN (BORED)	LF	120
682-9930	DIRECTIONAL BORE - 3"	LF	120

REVISED BY: [Name]

REVISED BY: [Name]



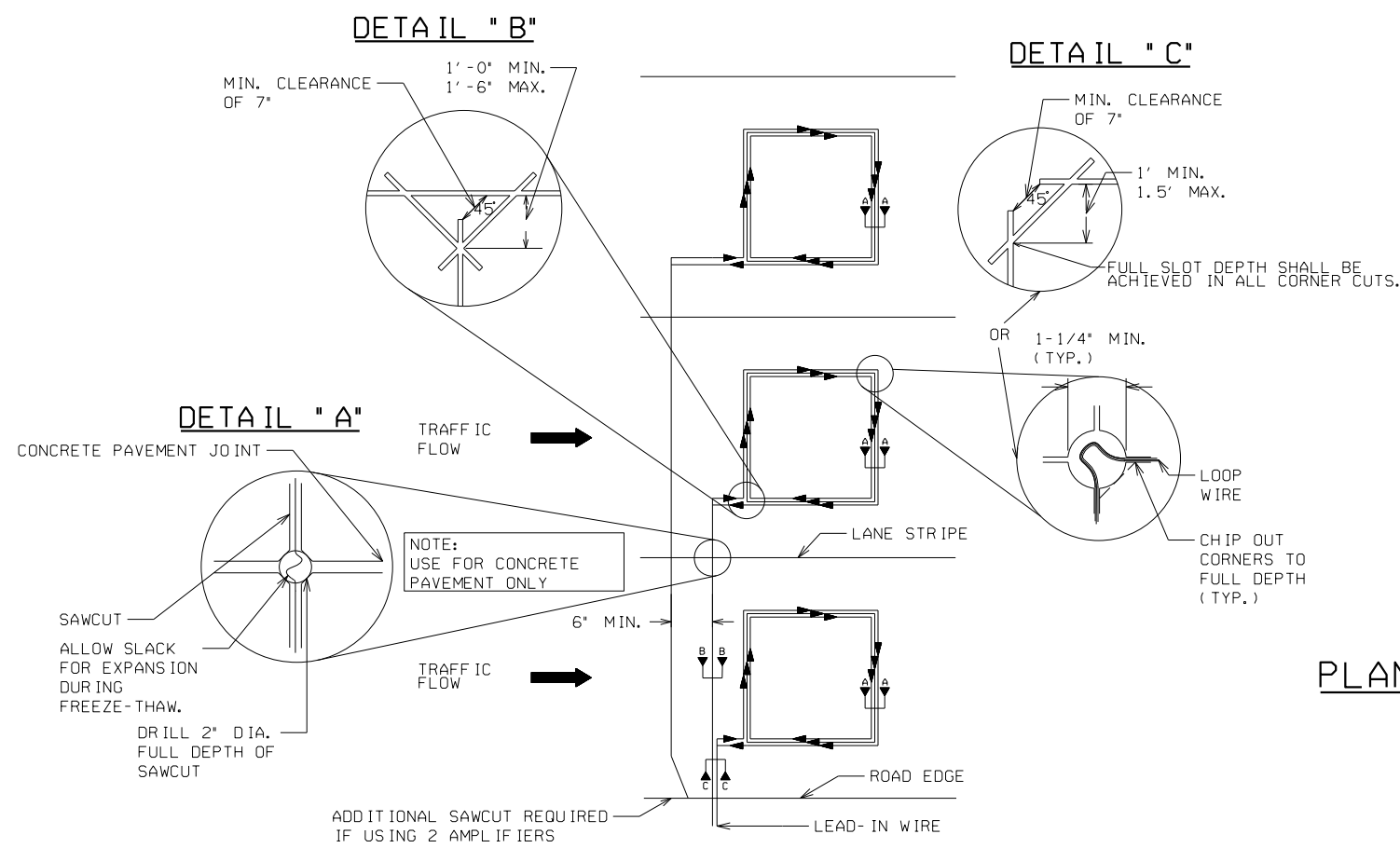
1864 Lower Fayetteville Rd, Newnan, GA 30265
770.362.6184

REVISION DATES

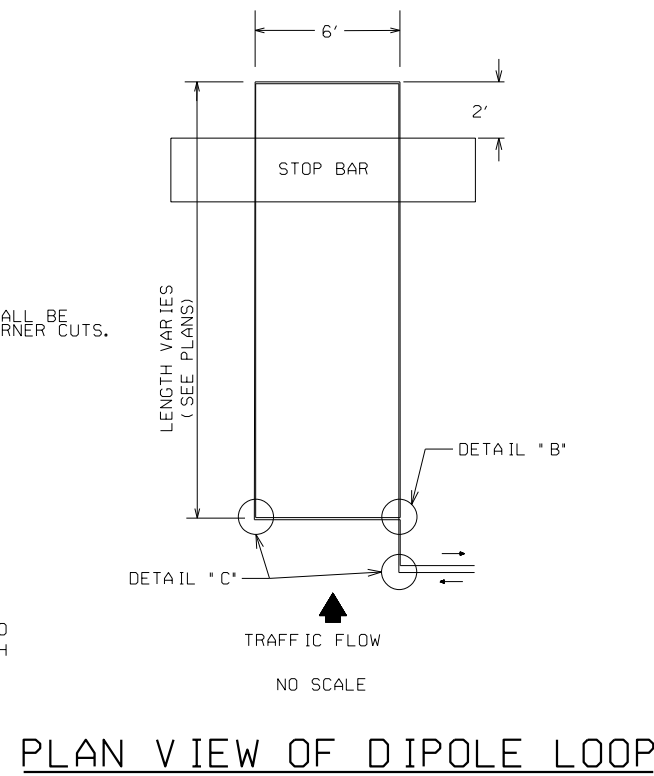
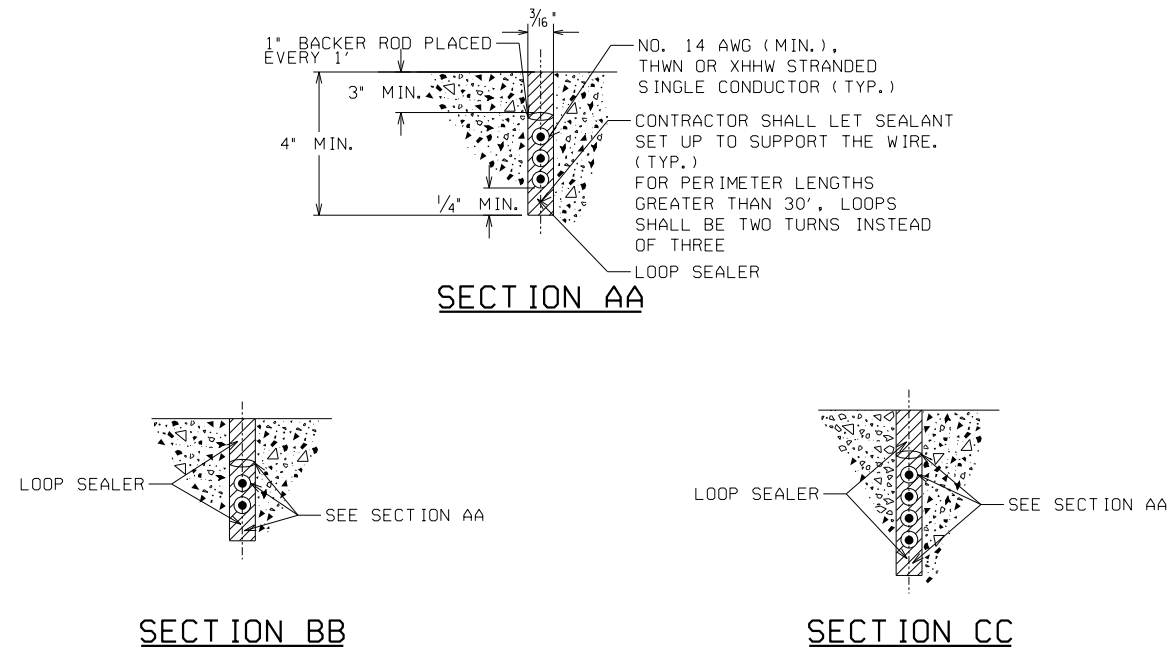
NO.	DATE	DESCRIPTION

SR 73 & SR 73 BYPASS CABINET INPUT ASSIGNMENT AND LIST OF MATERIALS

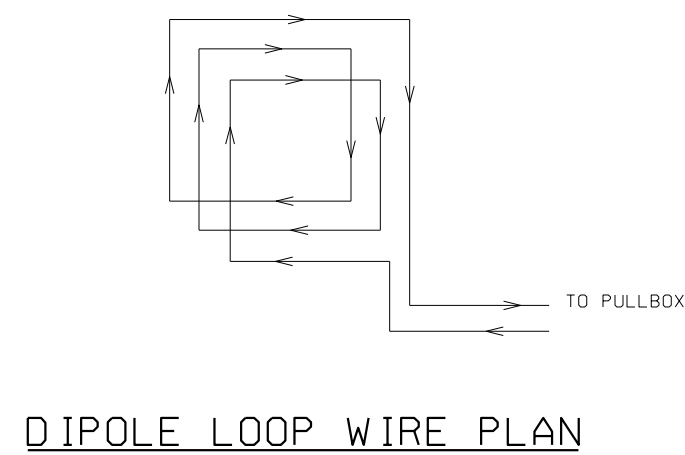
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CORRECTED:	DATE:	
VERIFIED:	DATE: 3/21/22	



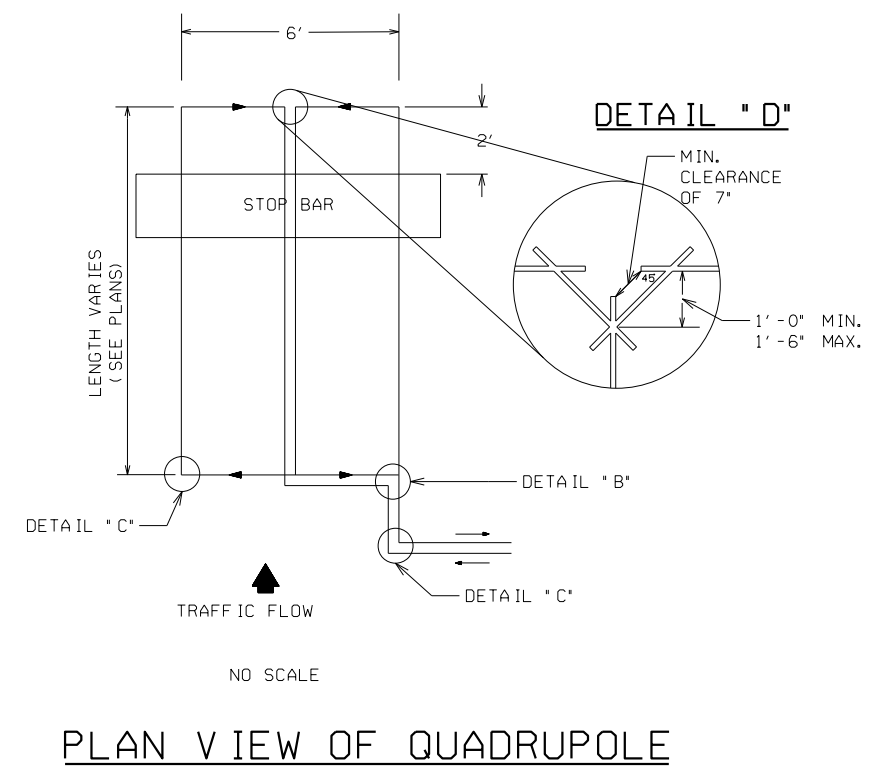
PLAN VIEW OF STANDARD LOOP SAW CUTS



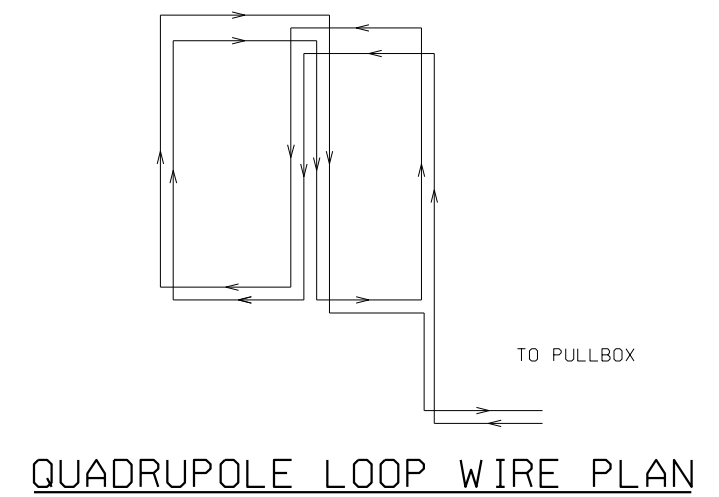
LOOP WIRE CONFIGURATION
 THE DOUBLE LAYER CONFIGURATION (2-2) SHOWN IS A MINIMUM DESIGN. FOR NORMAL INSTALLATIONS WHEN REQUIRED BY THE PLANS.



- GENERAL NOTES:**
1. INDUCTANCE LOOPS SHALL NOT BE INSTALLED IN A BRIDGE DECK. LOOPS MAY BE INSTALLED IN A BRIDGE APPROACH SLAB.
 2. NO INDUCTANCE LOOP LEADS THROUGH TURNING RADIUS AT INTERSECTION.
 3. INDUCTANCE LOOPS SHALL BE WOUND IN OPPOSITE DIRECTIONS IN ADJACENT LANES.
 4. INDUCTANCE LOOPS SHALL NOT CROSS PAVEMENT TYPES (ASPHALT TO CONCRETE).

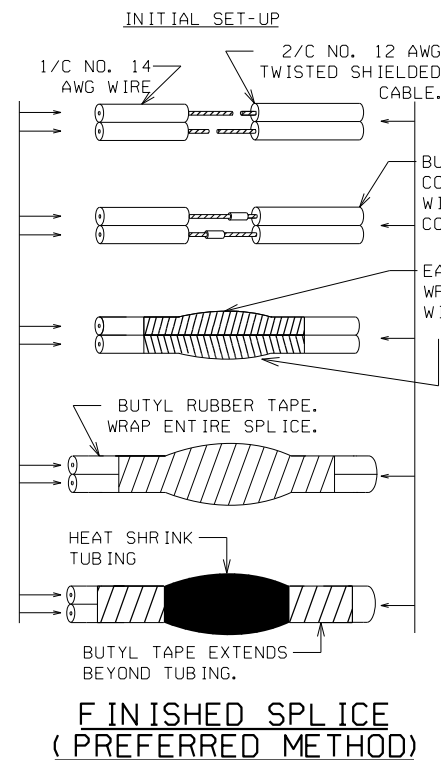
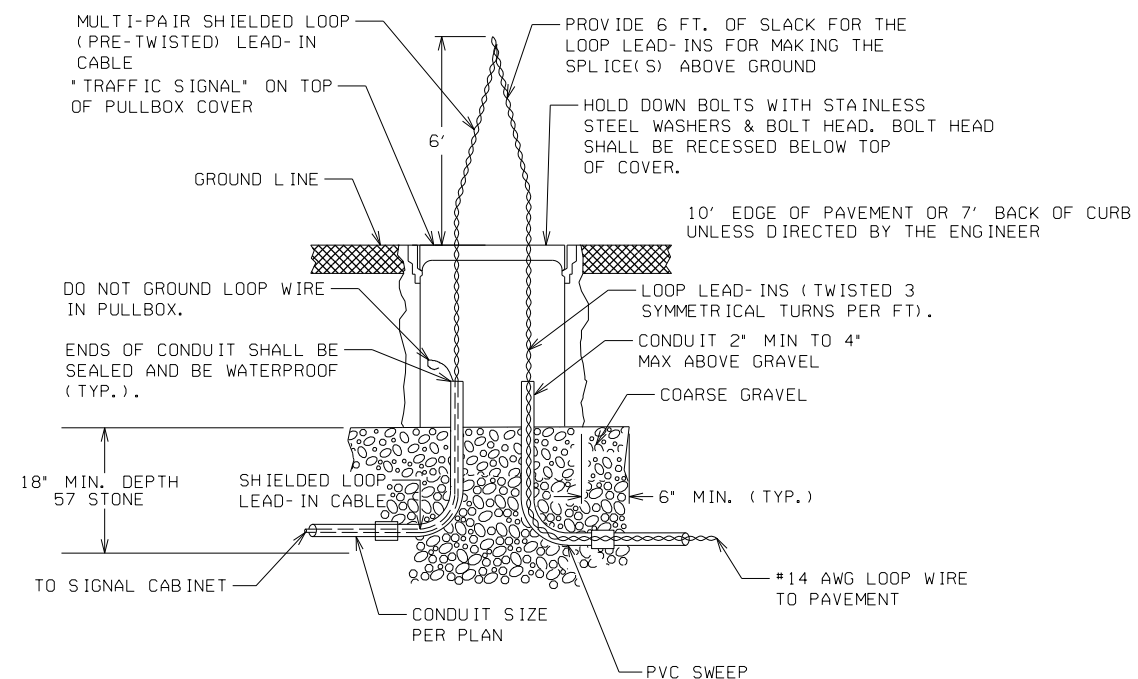


LOOP WIRE CONFIGURATION
 THE DOUBLE LAYER CONFIGURATION (2-4-2) SHOWN IS A MINIMUM DESIGN. FOR NORMAL INSTALLATIONS WHEN REQUIRED BY THE PLANS.

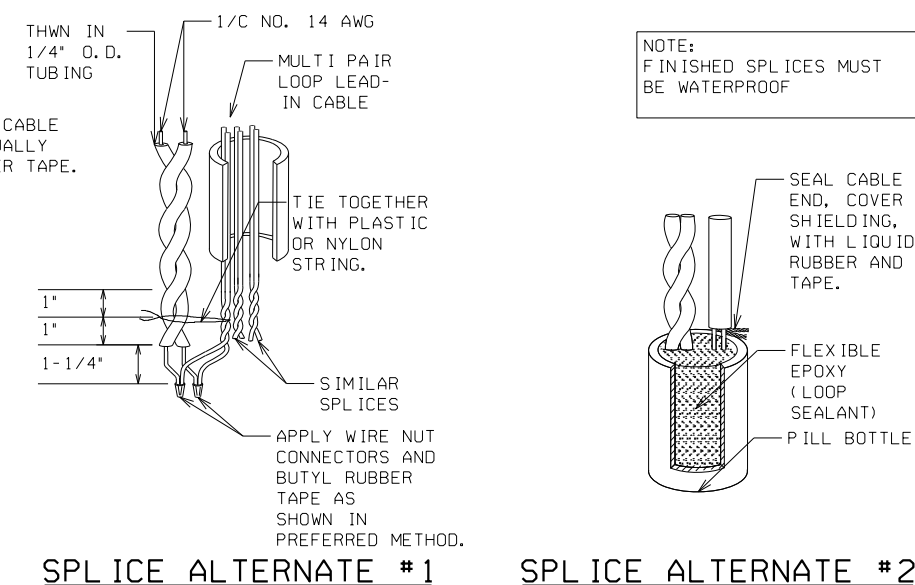


DATE		DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
REVISION		CONSTRUCTION DETAIL	
BY		INDUCTIVE LOOP DETECTOR INSTALLATION	
		NOVEMBER 2020 NO SCALE	NUMBER TS-OIA

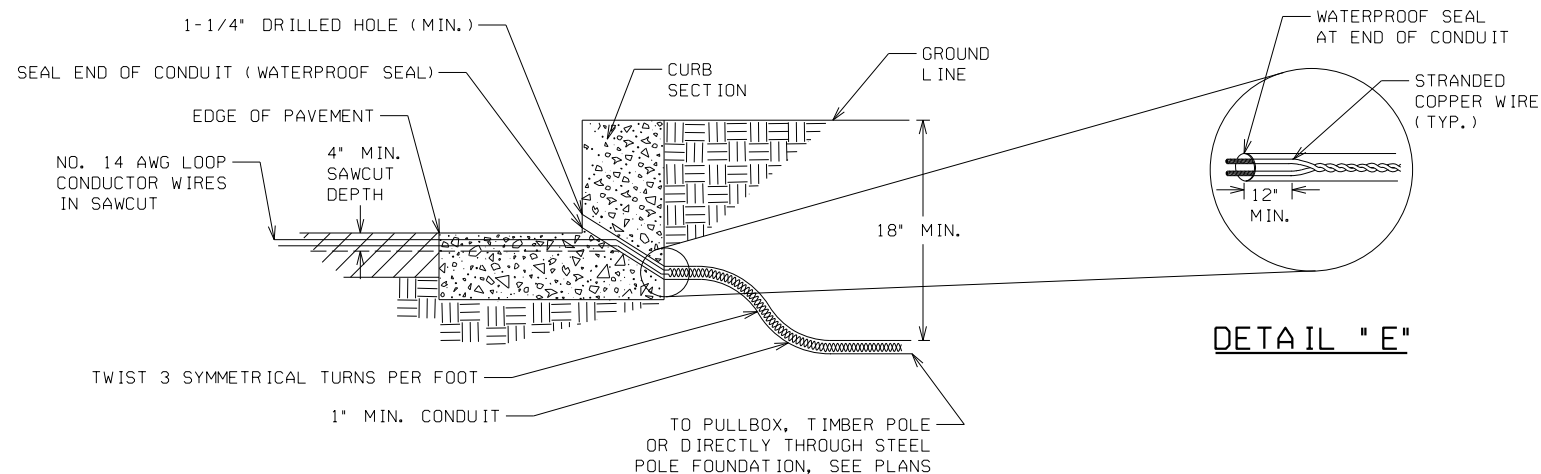
TYPICAL CONDUIT ENTRANCE DETAILS TYPE 1, 2, 3, 4S, & 5S PULLBOX



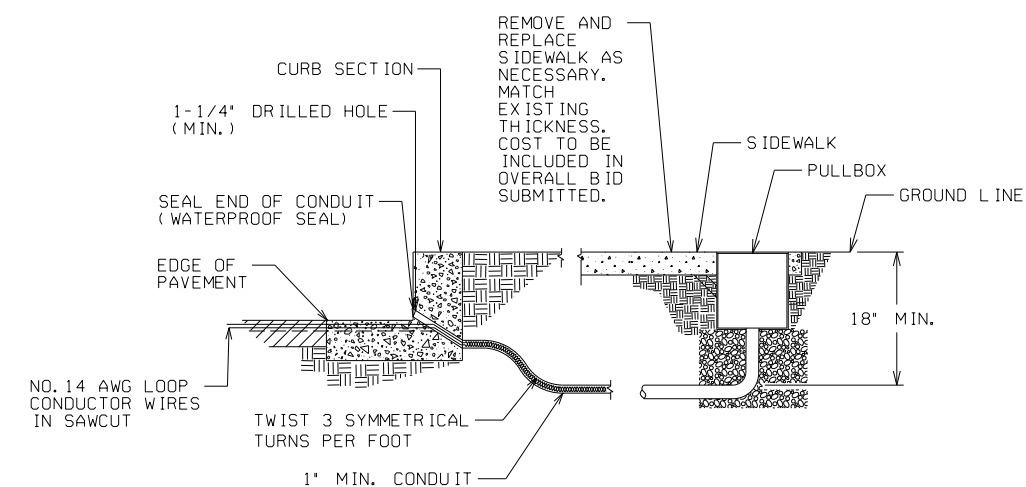
SPLICE DETAILS



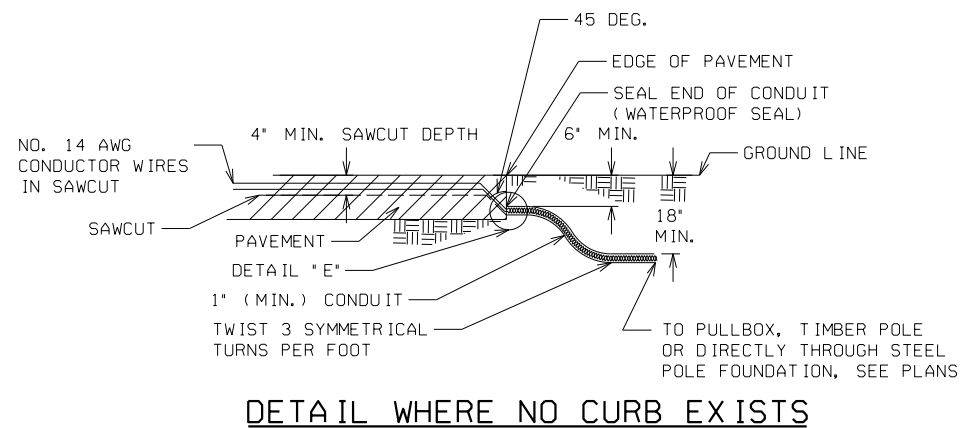
EDGE OF PAVEMENT DETAILS



TYPICAL CURB DETAIL
(WITHOUT SIDEWALK)

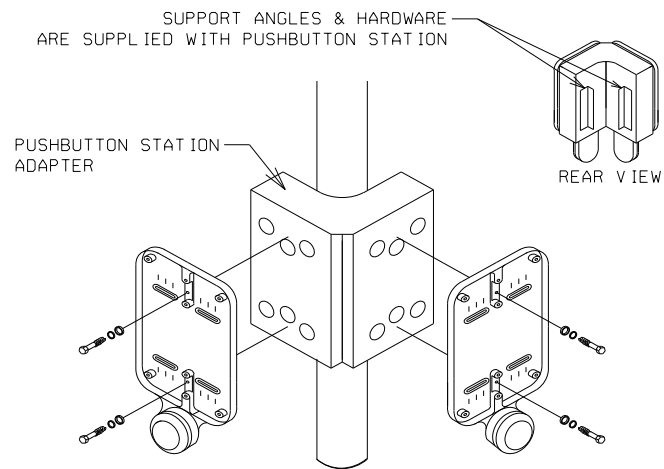


TYPICAL CURB DETAIL
(WITH SIDEWALK)

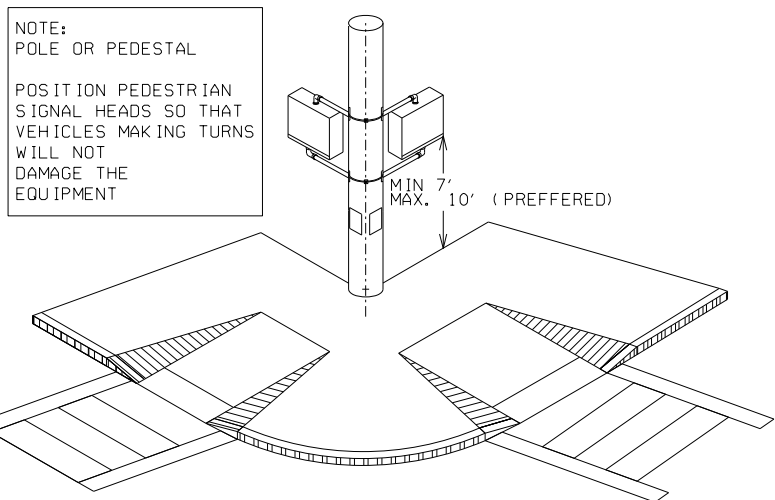


DETAIL WHERE NO CURB EXISTS

		DATE		DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
		REVISION		CONSTRUCTION DETAIL	
		BY		INDUCTIVE LOOP DETECTOR INSTALLATION	
				NOVEMBER 2020 NO SCALE	
				NUMBER TS-OIB	



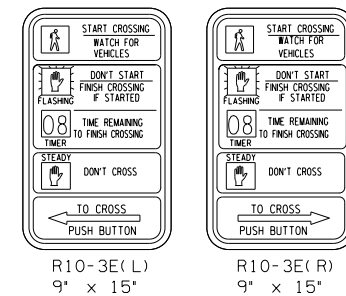
DOUBLE PUSHBUTTON STATION ADAPTER FOR 4" DIA. PEDESTRIAN PEDESTAL



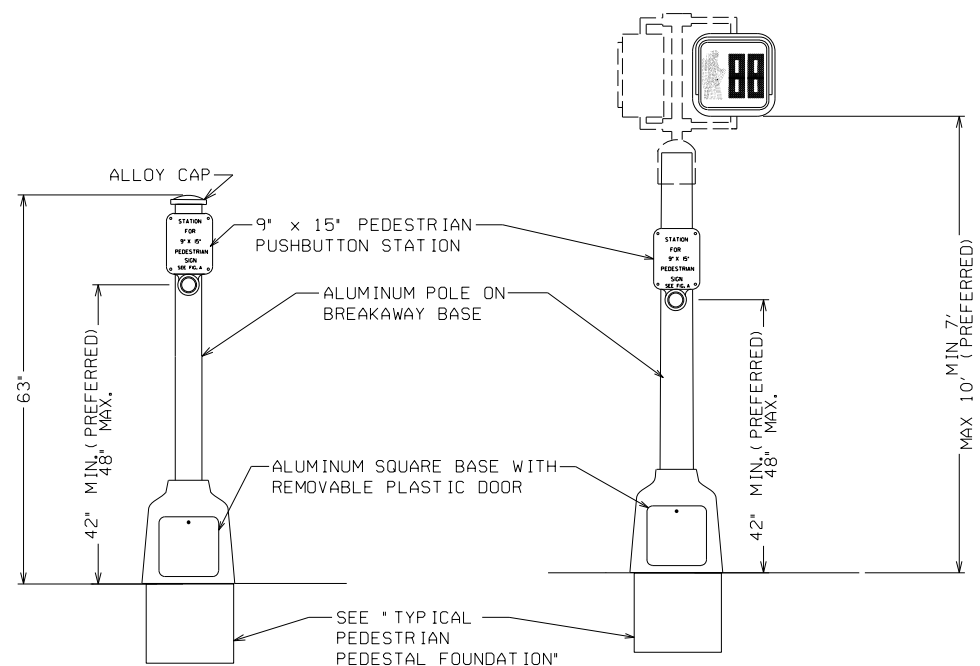
PEDESTRIAN SIGNAL HEAD ORIENTATION FOR SIDE OF POLE MOUNTING



A "PUSHBUTTON STATION" CONTAINS THE PEDESTRIAN INSTRUCTIONAL SIGN PLATE AND THE PUSHBUTTON



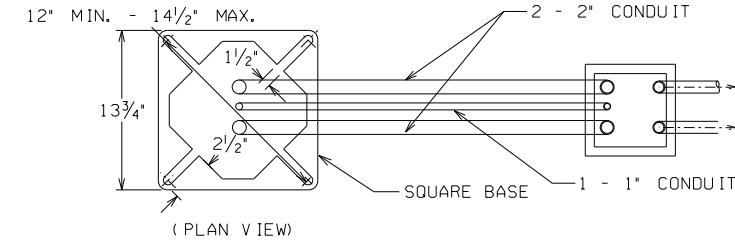
PEDESTRIAN PUSHBUTTON STATION AND SIGNS



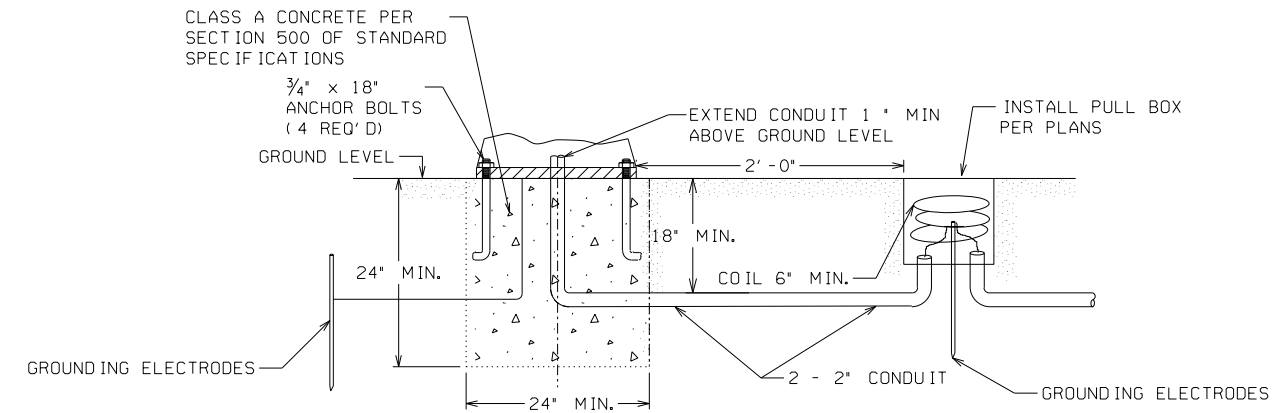
PEDESTRIAN PUSHBUTTON POST

PEDESTRIAN SIGNAL PEDESTAL

NOTE: DETAILS SHOWN ARE FOR TOP POST MOUNTING ASSEMBLY ON 10' PEDESTRIAN POLE. A CLAMHELL MOUNTING ASSEMBLY (NOT SHOWN) MAY BE USED AS APPROVED BY THE DEPARTMENT. THE CLAMHELL MOUNTING HARDWARE ASSEMBLY SHALL MEET THE SAME GDOT STANDARDS AS THE PEDESTRIAN SIGNAL HOUSING IN PAINT AND MATERIAL.



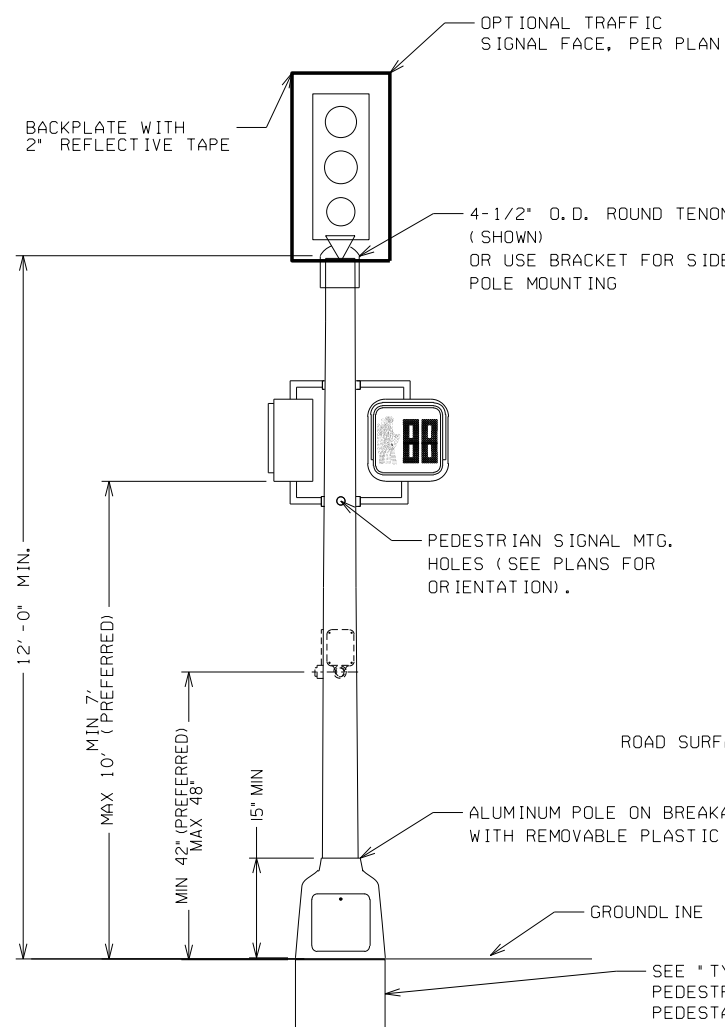
CROSS SECTION A-A



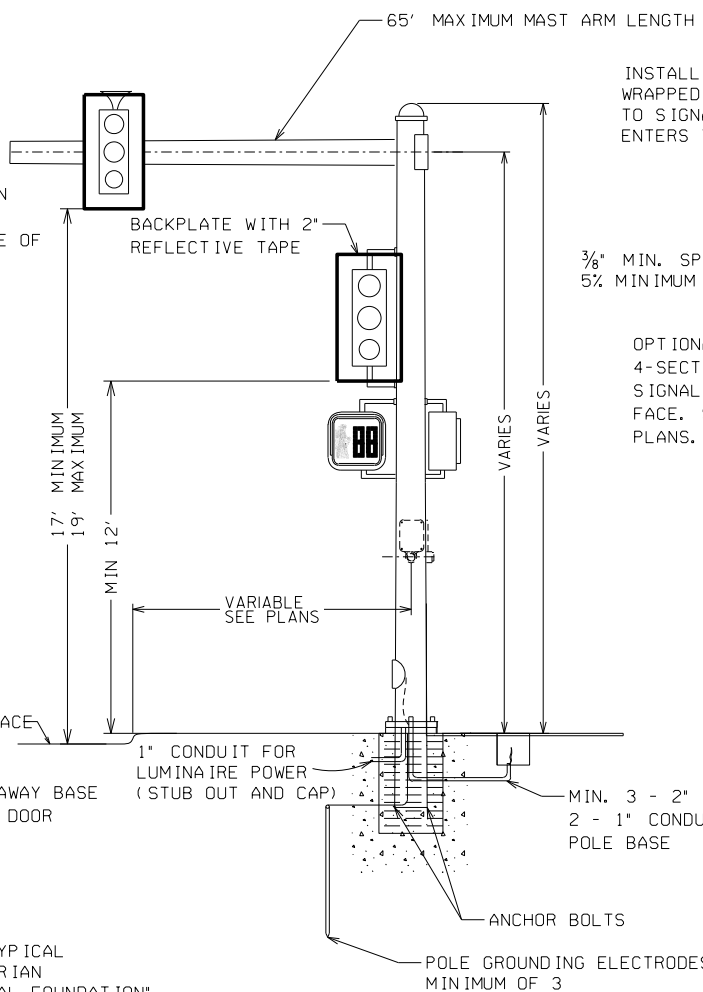
TYPICAL PEDESTRIAN PEDESTAL FOUNDATION

NOTE: SEE TS-06 FOR GROUNDING DETAILS

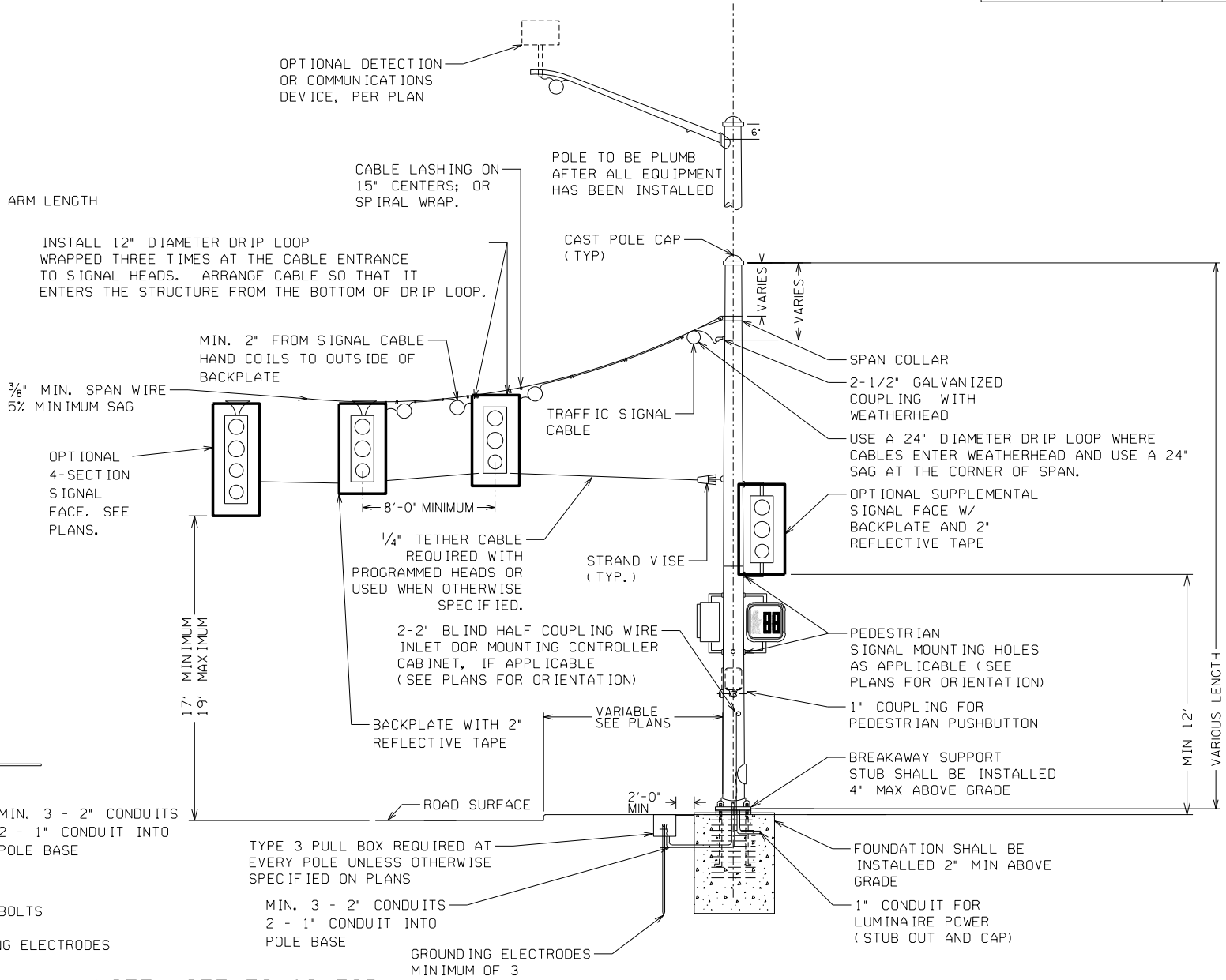
DATE		DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
REVISION		CONSTRUCTION DETAIL PEDESTRIAN FACILITIES INSTALLATION	
BY		NOVEMBER 2020 NO SCALE	NUMBER TS-03



**PEDESTAL POLE MOUNTED
SIGNAL HEAD**



TYPICAL MAST ARM POLE DETAIL



TYPICAL STEEL STRAIN POLE DETAIL

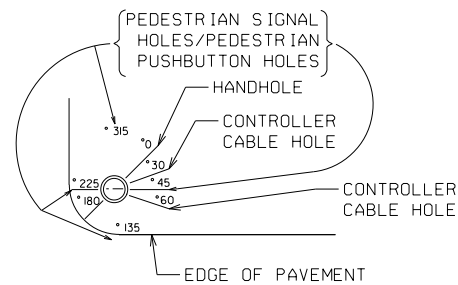
NOTE: SEE TS-06 FOR
GROUNDING DETAILS

NOTES:

1. FOUNDATION SIZE AND REINFORCING SHALL BE DETERMINED FROM THE "STRAIN POLE AND MAST ARM FOUNDATIONS" SHEET WITH THE USE OF THE BENDING MOMENT AT YIELD PROVIDED BY POLE MANUFACTURER.
2. ALL HOLES IN MAST ARMS MUST BE FABRICATED BY THE MANUFACTURER. SEE SECTION 925 OF STANDARD SPECIFICATIONS REGARDING RIGID MOUNTING HARDWARE FOR SIGNAL HEADS.
3. IN ORDER TO MEET CLEAR ZONE REQUIREMENTS, FIXED OBJECTS SHALL BE PLACED WITH APPROPRIATE OFFSET AS DEFINED IN THE GDOT DESIGN POLICY MANUAL OR AASHTO'S "ROADSIDE DESIGN GUIDE", OR BE PROTECTED BY GUARDRAIL. FOR GUARDRAIL APPLICATIONS, PROVIDE A MINIMUM SPACING OF 6 FEET BETWEEN THE FACE OF THE GUARDRAIL AND THE FACE OF ALL OBJECTS BEHIND THE GUARDRAIL.
4. HELPER CABLE IS REQUIRED ON ALL SPAN LENGTHS EXCEEDING 150 FEET.
- 5A. SPAN WIRE USED WITH STRAIN POLE INSTALLATION SHALL HAVE A MINIMUM 5% SAG.
- 5B. SPAN WIRE USED WITH TIMBER POLE INSTALLATION SHALL HAVE A MINIMUM 2.5% SAG.

VERTICAL DROP (FT) BETWEEN POLE ATTACHMENT AND LOW POINT IN SPAN = DESIRED SAG x SPAN LENGTH

SPAN LENGTH = LONGEST DISTANCE BETWEEN ANY TWO SUPPORT POLES IN INSTALLATION.



**TOP VIEW FOR INLET
HOLES ORIENTATION**

		DATE	DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
			CONSTRUCTION DETAIL	
			TRAFFIC SIGNAL SUPPORT STRUCTURES	
BY		REVISION	NOVEMBER 2020 NO SCALE	NUMBER TS-04A