

INDEX TO SHEETS

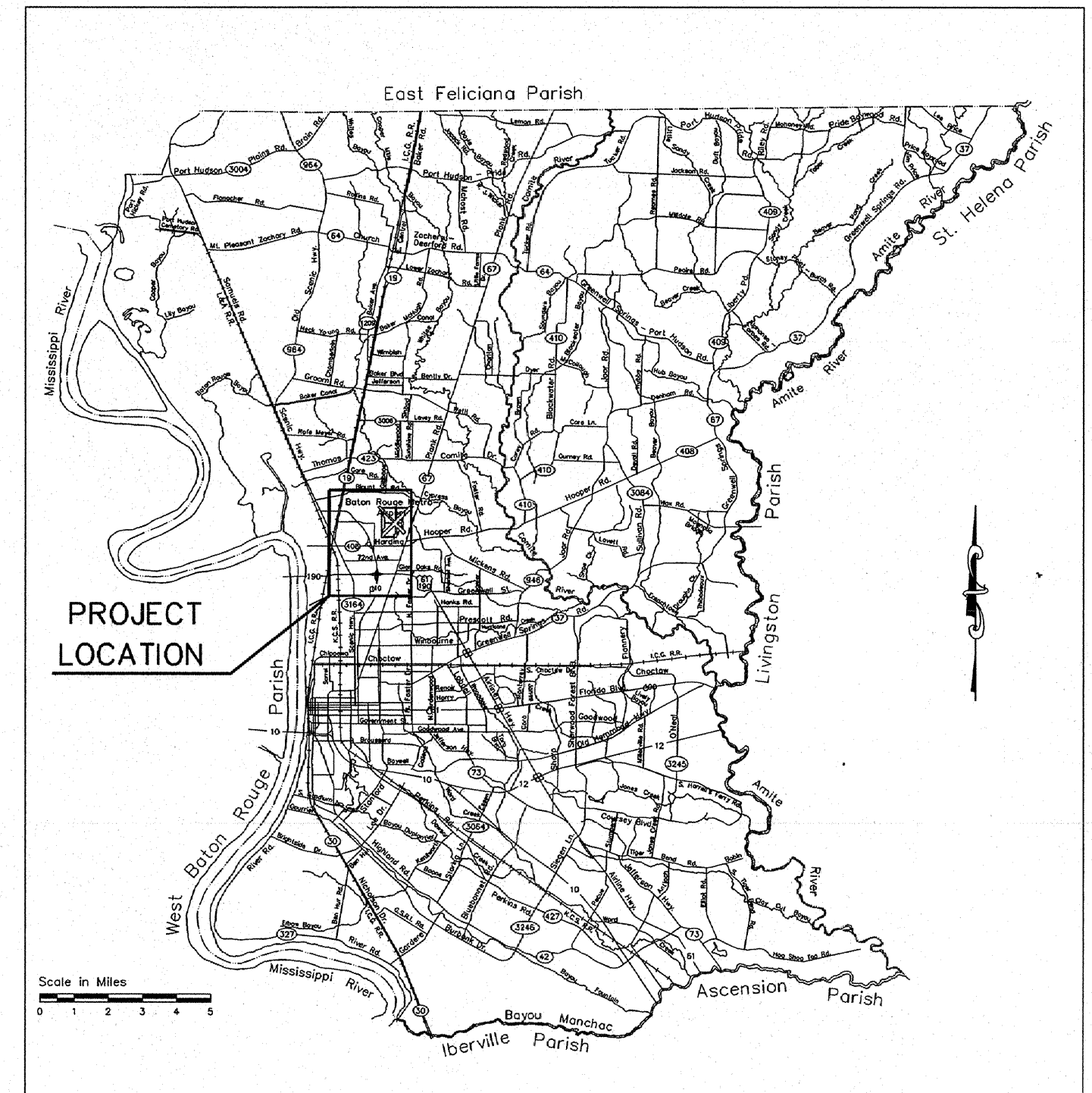
SHEET NO.	DESCRIPTION	
1	TITLE SHEET & LAYOUT MAP	
2	TYPICAL SECTION & DETAILS	
3	LEGEND & GENERAL NOTES	
3a	SUMMARY OF ESTIMATED QUANTITIES	
3b-3c	RRFB SIGN POST DETAILS	
4 - 13	PLAN & PROFILE SHEETS	
14	EXISTING DRAINAGE MAP	
15-15b	DESIGN DRAINAGE MAP	
SHEET NO.	CITY/PARISH STANDARD PLANS	
101	701-01 STANDARD BEDDING AND BACKFILL DETAILS	
102	702-12 FABRICATED BAR SINGLE GRATE INLET	
103	702-20 CAST IRON GRATE INLET AND JUNCTION BOX	
104	702-40 WEIR INLET	
105	702-96 CAST IN PLACE DRAINAGE STRUCTURES (STRUCTURAL DETAILS)	
106	702-97 PRECAST DRAINAGE STRUCTURE	
107	702-99 FRAMES GRATES AND COVERS 2 OF 3	
108	702-99 FRAMES GRATES AND COVERS 3 OF 3	
109-119	903-01 SWPPP BMP'S	
120-121	903-02 TEMPORARY EROSION CONTROL DETAILS	
122-124	905-01 TEMPORARY TRAFFIC CONTROL	
125	905-02 TEMPORARY TRAFFIC CONTROL TYPICAL APPLICATIONS	
126	905-03 TEMPORARY TRAFFIC CONTROL TYPICAL APPLICATIONS	
127	905-04 TEMPORARY TRAFFIC CONTROL TYPICAL APPLICATIONS	
128	905-05 TEMPORARY TRAFFIC CONTROL TYPICAL APPLICATIONS	
129	905-06 TEMPORARY TRAFFIC CONTROL TYPICAL APPLICATIONS	
130	905-30 TEMPORARY TRAFFIC CONTROL TYPICAL APPLICATIONS	
131-136	905-50 ROADWAY MARKINGS	
137	906-01 PEDESTAL POLE DETAILS 2 OF 6	
138-143	907-01 SIDEWALK AND HANDICAP RAMPS	
144-146	907-03 COMMERCIAL DRIVES	
147-148	907-04 RESIDENTIAL DRIVES	
SHEET NO.	LA DOTD STANDARD PLANS & SPECIAL DETAILS	
152	COLLAR-01 CONCRETE COLLAR DETAIL	
SHEET NO.	MISCELLANEOUS SPECIAL DETAILS	
153	TYPE 2 ADA GRATE	
154	TYPE 3 ADA GRATE	
401 - 424	CROSS SECTIONS	
95	TOTAL SHEETS	END C.P. NO. 17-SW-US-0029 STA. 147+20.04

**CITY OF BATON ROUGE
AND
PARISH OF EAST BATON ROUGE**

**DEPARTMENT OF TRANSPORTATION AND DRAINAGE
ENGINEERING DIVISION**

**PLANS OF PROPOSED
ELM GROVE GARDEN DRIVE
PED IMPROVEMENTS**

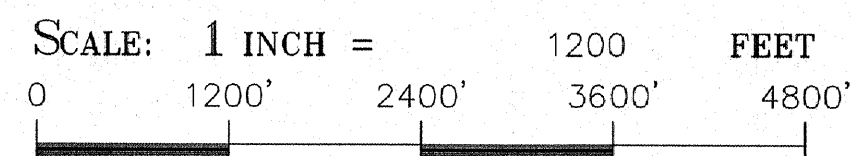
(ROSENWALD ROAD TO BLOUNT ROAD)
CITY PARISH PROJECT No. 17-SW-US-0029



VICINITY MAP



LAYOUT MAP



DATUM USED:
NAVD 88
MAGNETIC VAR: N/A
BEARINGS ARE: LOUISIANA STATE PLANE
COORDINATE SYSTEM, SOUTH ZONE (1702)
SURVEY FEET
TRANSIT BOOKS: N/A
LEVEL BOOKS: N/A

TYPE OF CONSTRUCTION:
PERVIOUS AND IMPERVIOUS PORTLAND CEMENT CONCRETE
SIDEWALK, DRIVEWAYS, DRAINAGE STRUCTURES, EARTHWORK,
SIGNING AND STRIPING, PAVEMENT PATCHING, AND RELATED
WORK.

NOTE:
THE 1997 EDITION OF THE STANDARD SPECIFICATIONS FOR
PUBLIC WORKS CONSTRUCTION, CITY OF BATON ROUGE AND
PARISH OF EAST BATON ROUGE, LOUISIANA, AS AMENDED BY
THE PROJECT SPECIFICATIONS, SHALL GOVERN ON THIS
PROJECT.

RECOMMENDED FOR APPROVAL

[Signature]
C.H. FOSTER/MAKER L.L.C.
DIANE C. HAMMONDS, P.E., P.T.O.E.
DATE: 12/1/2021

RECOMMENDED FOR APPROVAL

[Signature]
MOVEBR PROGRAM MANAGER
DATE: 12-1-21

RECOMMENDED FOR APPROVAL

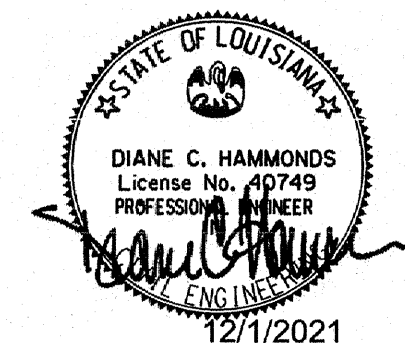
[Signature]
CHIEF TRAFFIC ENGINEER
DATE: 12/3/2021

RECOMMENDED FOR APPROVAL

[Signature]
CHIEF DESIGN & CONSTRUCTION ENGINEER
DATE: 12/2/2021

APPROVED

[Signature]
DIRECTOR OF DEPARTMENT OF
TRANSPORTATION & DRAINAGE,
DIV. OF ENGINEERING
DATE: 12-3-21



SHEET NUMBER	001
PARISH	EAST BATON ROUGE PARISH
CITY PROJECT	17-SW-US-0029
STATE PROJECT	
DESIGNED / DCH	
CHECKED / KOM	
DATE	12/1/2021
REVISION DESCRIPTION	
BY	
DATE	
NO.	
MOVEBR	
TITLE SHEET & LAYOUT MAP	
ELM GROVE GARDEN PED IMPROVEMENTS	

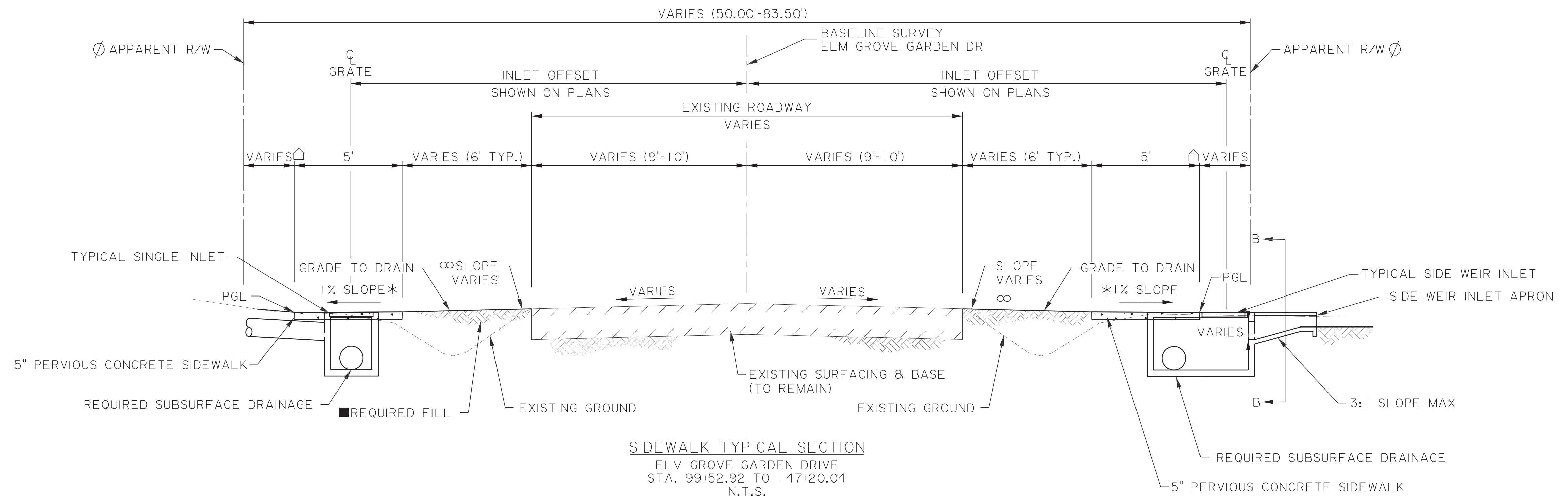
X:\2019\2190115.00C- Elm Grove Garden Pedestrian Improvements\CADD\Plans\002_Typical Section & Details.dgn

LEGEND:

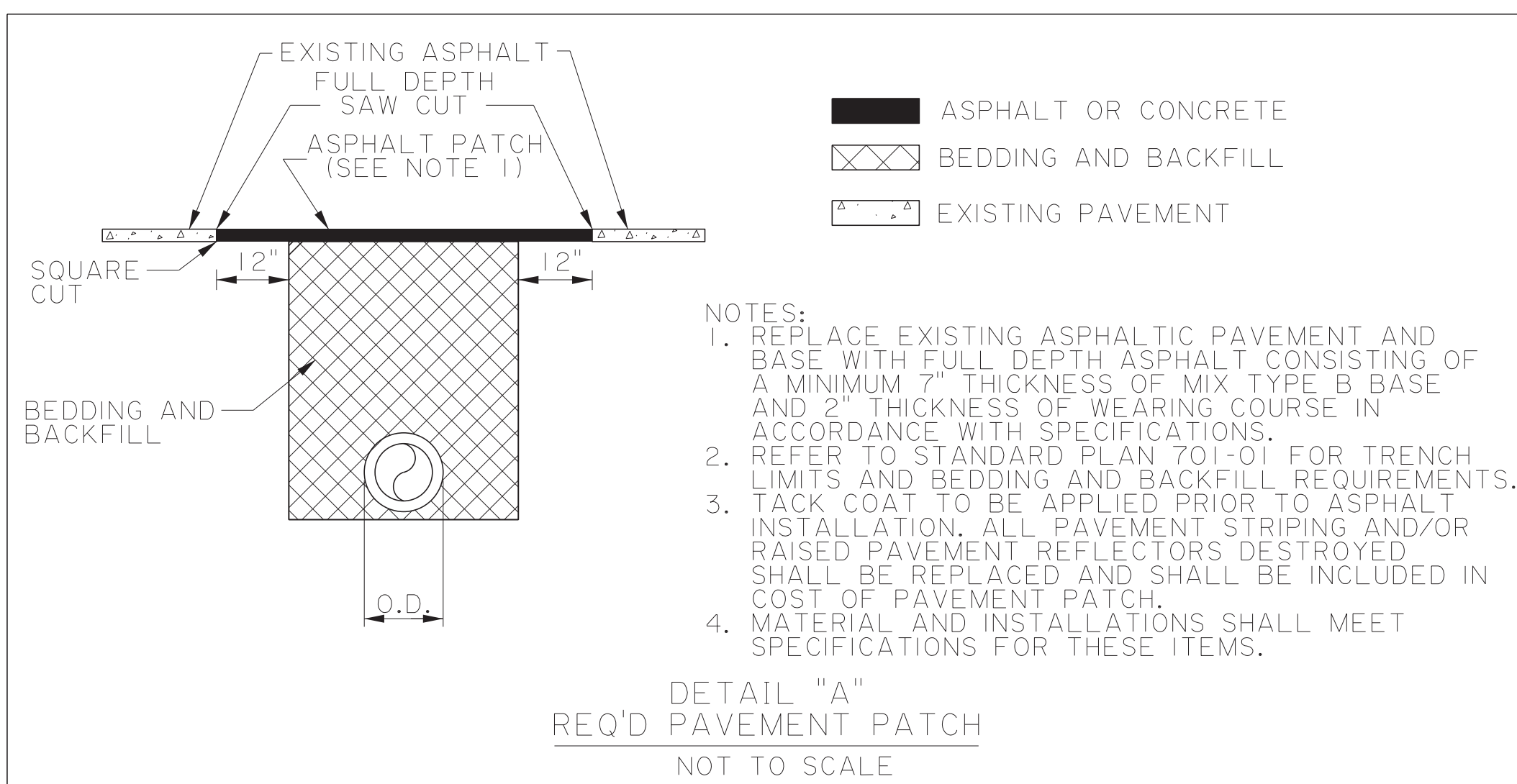
- * SIDEWALK CROSS SLOPE MAY BE INCREASED UP TO 2% MAX TO RESOLVE GRADE REQUIREMENTS
- PREPARE SUBGRADE IN ACCORDANCE WITH SECTION 510 OF THE PROJECT SPECIFICATIONS
- ∅ APPARENT R/W AND TOPOGRAPHIC SURVEY ON PLAN SHEETS WERE PROVIDED BY CIVIL DESIGN & CONSTRUCTION, INC., AND PERFORMED UNDER RESPONSIBLE CHARGE OF RALPH BURGESS, P.L.S.
- ⊠ CONTRACTOR SHALL GRADE TO DRAIN TO INLETS AS DIRECTED BY PROJECT ENGINEER. TO BE INCLUDED IN THE COST OF EXCAVATION AND EMBANKMENT.
- ∞ TO NOT EXCEED 3:1 FROM EOP

SIDEWALK NOTES:

1. LONGITUDINAL SLOPE TO NOT EXCEED 5%
2. REFER TO STANDARD PLAN 907-01 FOR MORE DETAIL ON SIDEWALK AND HANDICAMP RAMP REQUIREMENTS



SIDEWALK TYPICAL SECTION
ELM GROVE GARDEN DRIVE
STA. 99+52.92 TO 147+20.04
N.T.S.



SHEET NUMBER	002
PARISH	EAST BATON ROUGE PARISH
CITY PROJECT	17-SW-US-0029
STATE PROJECT	
DESIGNED / CHECKED / DATE	DCH / KDM / 12/01/2021
DETAILED / CHECKED / DATE	CTR / DCH / 12/01/2021
REVISION DESCRIPTION	BY
NO.	DATE

MOVEBR

TYPICAL SECTION & DETAILS
ELM GROVE GARDEN PED IMPROVEMENTS

BR
CITY OF BATON ROUGE

STATE OF LOUISIANA
DIANE C. HAMMONDS
LICENSE NO. 40749
PROFESSIONAL ENGINEER

12-01-2021

LEGEND - EXISTING TOPOGRAPHY

CONTROL POINT		GAS LINE (LEVEL D)	
PHOTO TARGET		GAS METER	
PAVEMENT EDGE		GAS SERVICE (NO METER)	
SHOULDER EDGE		GAS REGULATOR	
SLOPE TOE		GAS RISER	
GUARDRAIL TOP		GAS TEST BOX	
HIGH BANK		GAS VALVE	
WATER'S EDGE		GAS LINE/CASING	
HIGH WATER MARK		GAS VENT	
BOX CULVERT		RAILROAD MILEPOST	
PIPE CULVERT		RAILROAD SIGNAL	
CATCH BASIN TOP (ROUND)		RAILROAD TRACK	
DROP INLET TOP (ROUND)		RR TRAFFIC SIGNAL BOX	
DRAINAGE MANHOLE TOP		SEWER LINE	
LEVEE TOP		SEWER MANHOLE TOP	
DITCH CENTERLINE		SEWER BLOWOUT VALVE	
TREE		SEWER CLEANOUT	
WOODS EDGE		SEPTIC TANK	
MARSH LINE		SEWER PUMP (PRIVATE)	
SWAMP LINE		SEWER TREATMENT (INDIVIDUAL)	
TREE CLUSTER		FEDERAL AID MARKER	
HEDGE		TRAFFIC CONTROLLER BOX	
BUSH		TRAFFIC COUNTER	
TREE LINE		TRAFFIC SIGNAL	
FENCE LINE		TRAFFIC SIGNAL SUPPORT POLE	
GATE		LIGHT POLE	
CATTLE GUARD		LIGHT PEDESTAL	
PROPERTY CORNER		LIGHT POWER VAULT	
RIGHT OF WAY MONUMENT		TRAFFIC SIGN	
SECTION CORNER		PARKING METER	
FENCE CORNER		TELEPHONE POLE	
TELEVISION CABLE		TELEPHONE LINE (LEVEL D)	
TELEVISION PEDESTAL		TELEPHONE BOOTH	
POWER POLE		TELE CROSS CONNECT BOX	
DEADMAN		TELEPHONE PEDESTAL	
POWER LINE		TELEPHONE PRESSURE BOX	
POWER JUNCTION BOX		WATER LINE (LEVEL D)	
POWER VAULT		WATER LINE/CASING	
TRANSFORMER		WATER CLEANOUT	
COMBINATION POLE		WATER METER	
POWER DROP		WATER VALVE	
PIPELINE		WATER VALVE VAULT	
PIPELINE VENT		WATER WELL	
PIPELINE REGULATOR		FIRE HYDRANT	
GAS WELL		BILLBOARD	
OIL WELL		FUEL PUMP	
		POST	
		SIGN POST	
		STORAGE TANK (ROUND)	
		GRAVE	
		MAILBOX	
		ORNAMENTAL LIGHT	
		FLAG POLE	

GENERAL NOTES

1. THE CONTRACTOR SHALL CONDUCT OPERATIONS IN SUCH A MANNER AS TO CAUSE THE LEAST POSSIBLE INTERFERENCE WITH TRAFFIC. CONTRACTOR SHALL GIVE 7 DAYS NOTIFICATION TO ANY RESIDENTS OR BUSINESSES AFFECTED BY ROAD CLOSURE DUE TO CONSTRUCTION OR AS DIRECTED BY THE PROJECT ENGINEER.
2. CONTRACTOR SHALL MAINTAIN DRAINAGE AT ALL TIMES. ANY MATERIAL DEPOSITED IN ANY DRAINAGE FEATURE (INLETS, CROSSEDRAINS, ETC.) DURING CONSTRUCTION SHALL BE CLEANED OUT BEFORE FINAL ACCEPTANCE.
3. CONTRACTOR SHALL CONTACT AND COORDINATE WORK WITH ALL UTILITIES LOCATED IN PROJECT AREA. CONTRACTOR SHALL PROVIDE 14 DAYS NOTICE TO UTILITY COMPANIES PRIOR TO BEGINNING WORK, ANY DAMAGE DONE TO UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
4. UTILITIES ARE SHOWN AT APPROXIMATE LOCATIONS. ALL UTILITY LOCATIONS AND DEPTHS SHALL BE VERIFIED PRIOR TO CONSTRUCTION. CONTACT LA ONE CALL 1-800-272-3020 OR 811.
5. THE TOP ELEVATIONS OF THE CATCH BASINS SHALL BE FIELD VERIFIED TO ENSURE POSITIVE DRAINAGE.
6. ANY AREAS DAMAGED DURING CONSTRUCTION DUE TO THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED TO THE SATISFACTION OF THE PROJECT ENGINEER AT THE CONTRACTOR'S EXPENSE.
7. THE CONTRACTOR'S PLANT AND MATERIAL SHALL BE PROHIBITED WITHIN THE LIMITS OF THE RIGHT OF WAY. EQUIPMENT STORAGE SHALL BE PROHIBITED WITHIN THE RECOVERY AREA FROM THE TRAVEL LANES UNLESS PROPER DELINEATION WITH WARNING DEVICES ARE PROVIDED IN ACCORDANCE WITH THE MUTCD.
8. CONTRACTOR SHALL GRADE TO DRAIN TO INLETS AS DIRECTED BY PROJECT ENGINEER. TO BE INCLUDED IN THE COST OF EXCAVATION AND EMBANKMENT.
9. THE CONTRACTOR SHALL COORDINATE THE REMOVAL AND REPLACEMENT OF DRIVEWAYS WITH LANDOWNERS AND SHALL ENSURE THAT THE REQUIRED STRENGTH OF CONCRETE IS OBTAINED BEFORE USE.
10. ALL SCALES INDICATED ON PLANS REFER TO FULL SIZE PLAN SHEETS (22"x34").
11. ALL REQ'D STORM DRAIN PIPE (SDP) AND JOINT SYSTEMS SHALL BE IN ACCORDANCE WITH THE 1997 EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CITY OF BATON ROUGE AND PARISH OF EAST BATON ROUGE, LOUISIANA AND ON THE LADOTD APPROVED MATERIALS LIST (AML).
12. ALL MAILBOXES OR SIGNAGE SHALL BE REPLACED IN KIND IF REMOVED DURING CONSTRUCTION (AT NO DIRECT PAY, UNLESS OTHERWISE NOTED ON PLANS).
13. ANY UTILITY RELOCATIONS REQUIRED TO CONSTRUCT THIS PROJECT SHALL BE PERFORMED AT NO ADDITIONAL COST TO THE OWNER UNLESS SPECIFICALLY CALLED FOR IN PLANS. THE CONTRACTOR SHALL COORDINATE WITH EACH UTILITY COMPANY TO HAVE THESE UTILITIES RELOCATED.
14. CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL TRAFFIC DURING CONSTRUCTION AND NOT IMPEDE TRAFFIC ON ANY PUBLIC STREETS WITHOUT WRITTEN APPROVAL FROM CITY/PARISH TRAFFIC ENGINEERING DIVISION (CTED). CONTRACTOR SHALL INSTALL AND MAINTAIN ADEQUATE CONSTRUCTION ADVANCE WARNING SIGNAGE AND BARRICADES IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND TRAFFIC CONTROL STANDARD PLANS 905-01, 905-02, 905-03, 905-04, 905-05, 905-06, AND 905-30. CONTRACTOR SHALL COMPLY WITH ALL REGULATIONS TO ENSURE SAFETY OF THE WORKERS AND THE PUBLIC DURING ALL PHASES OF CONSTRUCTION.
15. CONTRACTOR SHALL NEATLY SAW CUT (FULL DEPTH) ALL ROADWAYS AND DRIVES FOR REMOVAL AND REPLACEMENT OF PAVEMENT. A NEAT EDGE IS REQUIRED PRIOR TO PERMANENT PAVEMENT REPAIR. IF NOT, CONTRACTOR SHALL PERFORM A NEW SAW CUT AT NO ADDITIONAL COST TO OWNER. DURING THE TIME BETWEEN BACKFILL INSTALLATION (IF NECESSARY) AND COMPLETION OF THE PAVEMENT REPAIR, THE CONTRACTOR SHALL TEMPORARILY FURNISH, SHAPE, COMPACT, AND MAINTAIN TEMPORARY PAVEMENT SURFACING UNTIL THE PERMANENT REPAIR IS COMPLETE. OTHERWISE, CONTRACTOR MAY COMPLETE SURFACE RESTORATION, REMEDIAL, OR FOLLOW-UP WORK IMMEDIATELY AFTER COMPLETION OF THE REPAIR AND FINAL BACKFILL.
16. ALL TREES, SHRUBS, PLANTS, ETC. IN CONFLICT WITH PROPOSED IMPROVEMENTS SHALL BE REMOVED BY THE CONTRACTOR UNLESS OTHERWISE NOTED. IN THE CASE OF VEGETATION TO REMAIN, AN 8' MINIMUM "HEAD SPACE" CLEARANCE ABOVE THE SIDEWALK LOCATION SHALL BE PROVIDED. CONTRACTOR SHALL CONSULT A LICENSED ARBORIST PRIOR TO ANY PRUNING OR TRIMMING OF EXISTING OR PROPOSED VEGETATION/LANDSCAPING.
17. SIDEWALK SHALL BE PLACED SO AS NOT TO OBSTRUCT DRAINAGE FROM ADJACENT PROPERTIES DRAINAGE DITCHES AND/OR CATCH BASINS.
18. EXCLUDE CURB ON ALL ADA RAMPS.

UTILITY CONTACTS

AT&T DISTRIBUTION (DOUGLAS DORHAUER) - 225-347-4257
 BATON ROUGE WATER (RYAN SCARDINA) - 225-928-1000
 BOC GASES (MARK GUIDROZ) - 225-775-2529
 COX COMMUNICATIONS (THOMAS FLOYD) - 225-806-4745
 DOTD FIBER (ERIK SMITH) - 225-379-2520
 EBR CITY PAR SEWER (ADAM SMITH) - 225-389-4865
 ENLINK MIDSTREAM (ALISON HUFF) - 713-739-3295
 ENTERGY ELECTRIC (JERRY KENNEDY) - 225-354-3060
 ENTERGY GAS (DREW BIZETTE) - 225-235-5787
 EXXON MOBIL PIPELINE (BRANDON GRAVES) - 225-268-0483
 MARATHON PIPELINE (BRAD HARRIS) - 419-306-0482
 PLACID REFINING CO. (GLYNN LEJEUNE) - 225-377-2521
 PLANTATION PIPELINE/KINDER MORGAN (SWAIN GUZZARDI) - 770-751-4246
 SHELL PIPELINE CO. (KELLEY DAWSON) - 832-762-2483
 UNTI FIBER (LEESTON LEBLANC) - 251-402-3530

UTILITY INFORMATION
 LA ONE CALL: 1-800-272-3020

CONTROL POINT INFORMATION

SHEET NO.	POINT	EASTING	NORTHING
004	RTN 1	3,332,477.719	738,832.242
006	RTK 3	3,332,413.504	739,773.394
008	RTK 4	3,332,445.067	740,746.810
010	RTK 5	3,332,379.912	741,714.822
012	RTK 6	3,332,395.627	742,678.094
013	RTN 2	3,332,350.939	743,668.348

SEE PLAN SHEETS FOR LOCATION OF CONTROL POINTS.


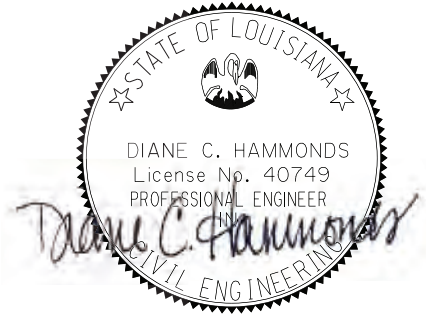

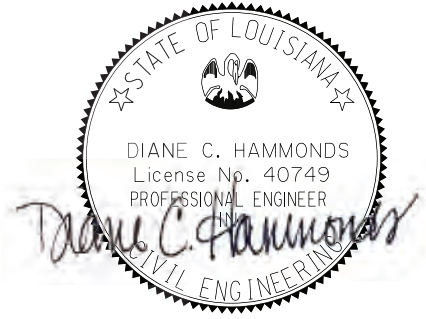
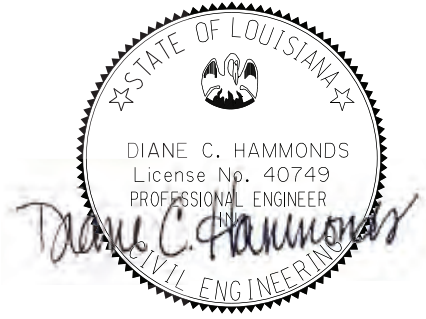
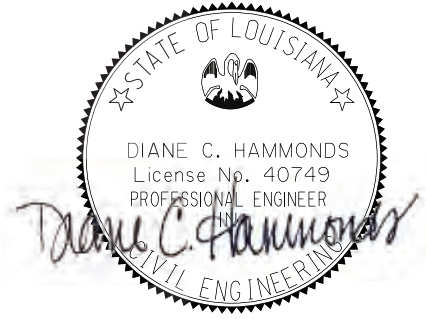
SHEET NUMBER	003
PARISH	EAST BATON ROUGE PARISH
CITY PROJECT	17-SW-US-0029
STATE PROJECT	
DESIGNED / CHECKED / KDM	
DETAILED / CHECKED / CTR	
DATE / SHEET	12/01/2021
REVISION DESCRIPTION	
DATE	
NO.	
LEGEND & GENERAL NOTES	
ELM GROVE GARDEN PED IMPROVEMENTS	
12-01-2021	

SUMMARY OF ESTIMATED QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QTY
1112100	ADJUSTING VALVE BOXES	EA	4
1122100	COLD PLANING ASPHALTIC PAVEMENT	SY	321
1151100	ASPHALTIC CONCRETE PAVEMENT	TON	50
1151300	RESTORE ASPHALT CONCRETE PAVEMENT AND BASE	SY	364
1195324	TWENTY-FOUR (24) INCH WIDE THERMOPLASTIC REFLECTIVE STRIPING (125 MIL)	LF	907
2010100	CLEARING AND GRUBBING	LS	1
2020100	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LS	1
2020300	REMOVAL OF CONCRETE PAVEMENT	SY	122
2020500	REMOVAL OF ASPHALT SURFACING & BASE	SY	364
2020600	REMOVAL OF CONCRETE WALKS AND DRIVES	SY	1800
2020700	REMOVAL OF CONCRETE CURB	LF	45
2020900	SAW CUTTING CONCRETE OR ASPHALT	LF	3575
2030800	EXCAVATION AND EMBANKMENT	LS	1
4010100	TRAFFIC MAINTENANCE AGGREGATE	CY	350
5020108	8" PORTLAND CEMENT CONCRETE PAVEMENT	SY	122
5101005	5" PERVIOUS CONCRETE PAVEMENT	SY	4584
7010115	15" STORM DRAIN PIPE	LF	1071
7010118	18" STORM DRAIN PIPE	LF	1002
7010124	24" STORM DRAIN PIPE	LF	996
7010130	30" STORM DRAIN PIPE	LF	1671
7010136	36" STORM DRAIN PIPE	LF	1065
7010142	42" STORM DRAIN PIPE	LF	1793
7010215	15" REINFORCED CONCRETE PIPE	LF	68
7010218	18" REINFORCED CONCRETE PIPE	LF	43
7010224	24" REINFORCED CONCRETE PIPE	LF	78
7010236	36" REINFORCED CONCRETE PIPE	LF	94
7010242	42" REINFORCED CONCRETE PIPE	LF	200
7010342	42" EQUIV. REINFORCED CONCRETE PIPE ARCH	LF	44
7020310	RETICULINE GRATE INLET (702-12)*	EA	19
7020501	TOP WEIR INLET	EA	2
7020502	SIDE WEIR INLET	EA	83
7020701	DRAIN MANHOLE**	EA	4
8020200	ADJUSTING SEWER MANHOLE	EA	2
9030200	TEMPORARY HAY BALES	EA	1153
9030500	TEMPORARY SILT FENCING	LF	9400
9030800	SEED	LB	550
9030900	FERTILIZER	LB	6600
9031000	WATER	MGAL	5
9050100	TEMPORARY SIGNS AND BARRICADES	LS	1
9050200	TRAFFIC SIGNS	SF	36
9070106	INTEGRAL CONCRETE CURB (6" BARRIER)	LF	45
9070304	CONCRETE WALK (4" THICK)	SY	83
9070406	CONCRETE DRIVE (6" THICK)	SY	1576
9090100	MOBILIZATION	LS	1
9900001	CLEANING EXISTING PIPES	LF	171
9900002	CONNECT TO EXISTING DROP INLET	EA	2
9900003	TRUNCATED DOME INSET	SF	390
9900004	RECTANGULAR RAPID FLASHING BEACON (FURNISH & INSTALL)	LS	1
9900005	CONNECT TO EXISTING BOX CULVERT	EA	4

*THREE OF THESE GRATES INLETS ARE REQUIRED TO INTERCEPT AN EXISTING CONFLICTING UTILITY. CONSTRUCTION AS SUCH SHALL BE INCIDENTAL TO THE COST OF THESE GRATE INLETS.

**ONE OF THESE DRAIN MANHOLES IS REQUIRED TO INTERCEPT AN EXISTING CONFLICTING UTILITY. CONSTRUCTION AS SUCH SHALL BE INCIDENTAL TO THE COST OF THIS DRAIN MANHOLE.

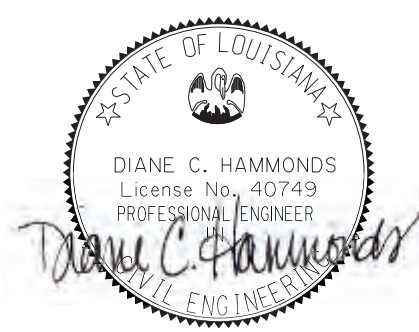
SHEET NUMBER		003a	
PARISH		EAST BATON ROUGE PARISH	
CITY PROJECT		17-SW-US-0029	
STATE PROJECT			
DESIGNED	DCH	DATE	12/01/2021
CHECKED	KDM	CHECKED	
DATE		DATE	
ESTIMATED QUANTITY CHANGES AND REVISION OF NOTE		DCH	
NO.	DATE	REVISION DESCRIPTION	BY
SUMMARY OF ESTIMATED QUANTITIES		ELM GROVE GARDEN PED IMPROVEMENTS	
			
			
			
		12-01-2021	

GENERAL NOTES

- EACH RRFB UNIT SHALL CONSIST OF TWO RAPIDLY FLASHED RECTANGULAR-SHAPED YELLOW INDICATIONS WITH AN LED-ARRAY-BASED LIGHT SOURCE, AND SHALL BE DESIGNED, LOCATED, AND OPERATED IN ACCORDANCE WITH THE DETAILED REQUIREMENTS SPECIFIED BELOW. THE CARMANAH SC315-G RECTANGULAR RAPID FLASHING BEACON SHALL BE USED.
- THE SIZE OF EACH RRFB INDICATION SHALL BE AT LEAST 5 INCHES WIDE BY AT LEAST 2 INCHES HIGH.
- THE TWO RRFB INDICATIONS FOR EACH RRFB UNIT SHALL BE ALIGNED HORIZONTALLY, WITH THE LONGER DIMENSION HORIZONTAL AND WITH A MINIMUM SPACE BETWEEN THE TWO INDICATIONS OF AT LEAST 7 INCHES, MEASURED FROM THE NEAREST EDGE OF ONE INDICATION TO THE NEAREST EDGE OF THE OTHER INDICATION.
- THE OUTSIDE EDGES OF THE RRFB INDICATIONS, INCLUDING ANY HOUSINGS, SHALL NOT PROJECT BEYOND THE OUTSIDE EDGES OF THE SI-1 PEDESTRIAN SIGN.
- WHEN ACTUATED, THE TWO YELLOW INDICATIONS IN EACH RRFB UNIT SHALL FLASH IN A RAPIDLY FLASHING SEQUENCE, AND SHALL PROVIDE 75 FLASHING SEQUENCES PER MINUTE. DURING EACH 800-MILLISECOND FLASHING SEQUENCE, THE LEFT AND RIGHT RRFB INDICATIONS SHALL OPERATE USING THE FOLLOWING SEQUENCE:
 - THE RRFB INDICATION ON THE LEFT-HAND SIDE SHALL BE ILLUMINATED FOR APPROXIMATELY 50 MILLISECONDS.
 - BOTH RRFB INDICATIONS SHALL BE DARK FOR APPROXIMATELY 50 MILLISECONDS.
 - THE RRFB INDICATION ON THE RIGHT-HAND SIDE SHALL BE ILLUMINATED FOR APPROXIMATELY 50 MILLISECONDS.
 - BOTH RRFB INDICATIONS SHALL BE DARK FOR APPROXIMATELY 50 MILLISECONDS.
 - THE RRFB INDICATION ON THE LEFT-HAND SIDE SHALL BE ILLUMINATED FOR APPROXIMATELY 50 MILLISECONDS.
 - BOTH RRFB INDICATIONS SHALL BE DARK FOR APPROXIMATELY 50 MILLISECONDS.
 - THE RRFB INDICATION ON THE RIGHT-HAND SIDE SHALL BE ILLUMINATED FOR APPROXIMATELY 50 MILLISECONDS.
 - BOTH RRFB INDICATIONS SHALL BE DARK FOR APPROXIMATELY 50 MILLISECONDS.
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 - BOTH RRFB INDICATIONS SHALL BE DARK FOR APPROXIMATELY 250 MILLISECONDS.
- THE FLASH RATE OF EACH INDIVIDUAL RRFB INDICATION, AS APPLIED OVER THE FULL FLASHING SEQUENCE, SHALL NOT BE BETWEEN 5 AND 30 FLASHES PER SECOND TO AVOID FREQUENCIES THAT MIGHT CAUSE SEIZURES.
- THE LIGHT INTENSITY OF THE YELLOW INDICATIONS DURING DAYTIME CONDITIONS SHALL MEET THE MINIMUM SPECIFICATIONS FOR CLASS 1 YELLOW PEAK LUMINOUS INTENSITY IN THE SOCIETY OF AUTOMOTIVE ENGINEERS (SAE) STANDARD J595 (DIRECTIONAL FLASHING OPTICAL WARNING DEVICES FOR AUTHORIZED EMERGENCY, MAINTENANCE, AND SERVICE VEHICLES) DATED JANUARY 2005.
- TO MINIMIZE EXCESSIVE GLARE DURING NIGHTTIME CONDITIONS, AN AUTOMATIC SIGNAL DIMMING DEVICE SHOULD BE USED TO REDUCE THE BRILLIANCE OF THE RRFB INDICATIONS DURING NIGHTTIME CONDITIONS.
- THE RRFB SHALL BE NORMALLY DARK, SHALL INITIATE OPERATION ONLY UPON PEDESTRIAN ACTUATION, AND SHALL RETURN TO DARK MODE UNTIL ACTIVATED AGAIN BY BUTTON.
- ALL RRFB UNITS ASSOCIATED WITH A GIVEN CROSSWALK SHALL, WHEN ACTUATED SIMULTANEOUSLY COMMENCE OPERATION OF THEIR RAPID-FLASHING INDICATIONS AND SHALL CEASE OPERATION SIMULTANEOUSLY.
- A SMALL PILOT LIGHT SHALL BE INSTALLED INTEGRAL TO BOTH THE RRFB (ONE ON EACH SIDE OF THE RRFB) AND THE PEDESTRIAN PUSHBUTTON DETECTOR TO GIVE CONFIRMATION THAT THE RRFB IS IN OPERATION.
- THE RRFB SHALL CONTAIN ACCESSIBLE PEDESTRIAN FEATURES WITH A LOCATOR TONE, THE AUDIBLE INFORMATION DEVICE SHALL NOT USE VIBROTACTILE INDICATIONS OR PERCUSSIVE INDICATIONS, THE MESSAGE SHOULD SAY, "YELLOW LIGHTS ARE FLASHING" AND SHOULD BE SPOKEN TWICE.
- PAY ITEM 9900004 (RECTANGLE RAPID FLASHING BEACON (RRFB) SHALL INCLUDE ALL MATERIAL, APPURTENANCES, AND LABOR TO FURNISH A COMPLETE AND FUNCTIONAL RRFB TRAFFIC SIGNAL.

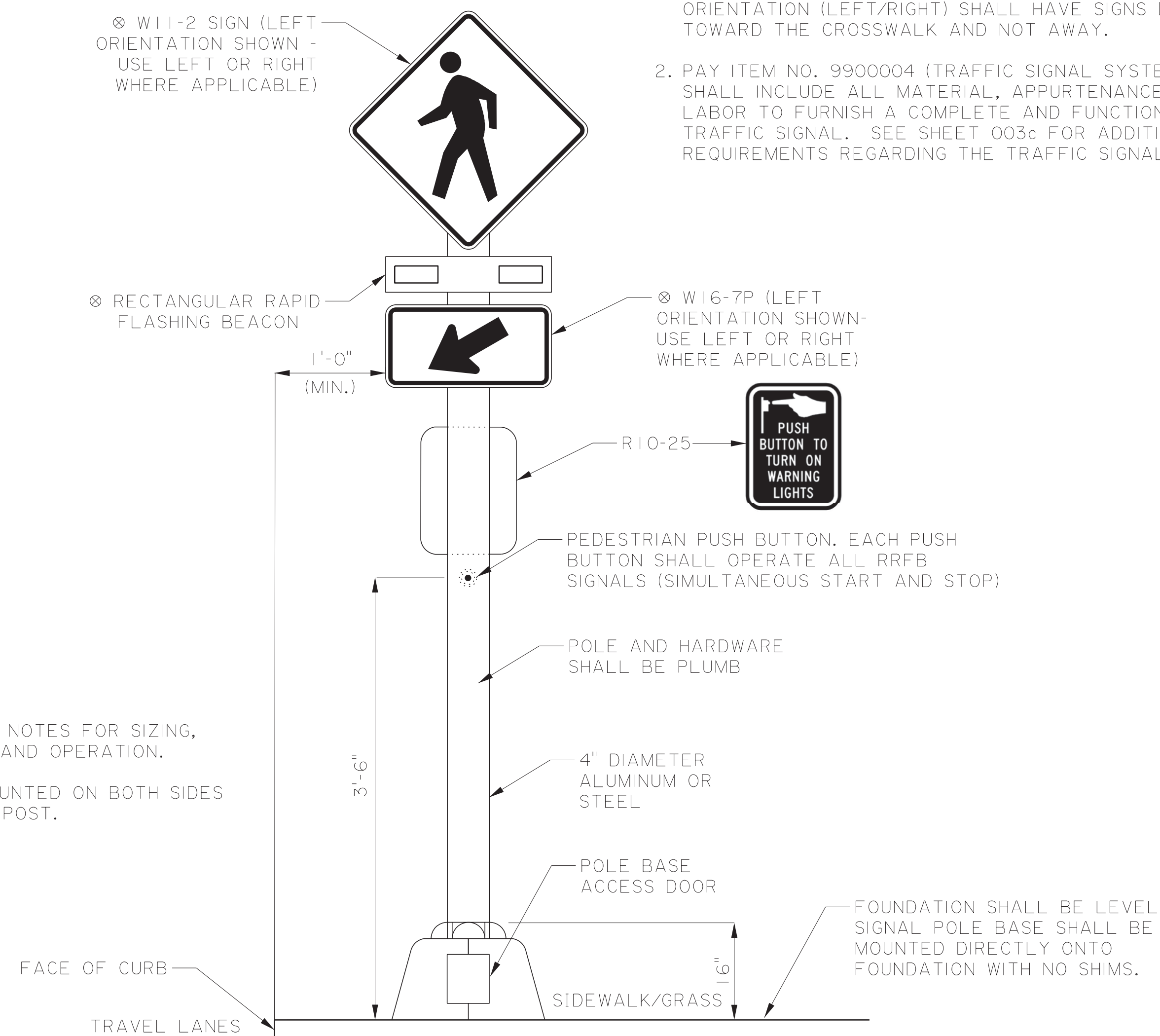
SIGN QUANTITY SUMMARY

TYPE:	SIZE:	SFT:	QTY:
W11-2	36x36	9 SFT	4
W16-7P (L)	24x12	2 SFT	2
W16-7P-(R)	24x12	2 SFT	2
R10-25	9x12	0.75 SFT	2
		25.5 SFT	

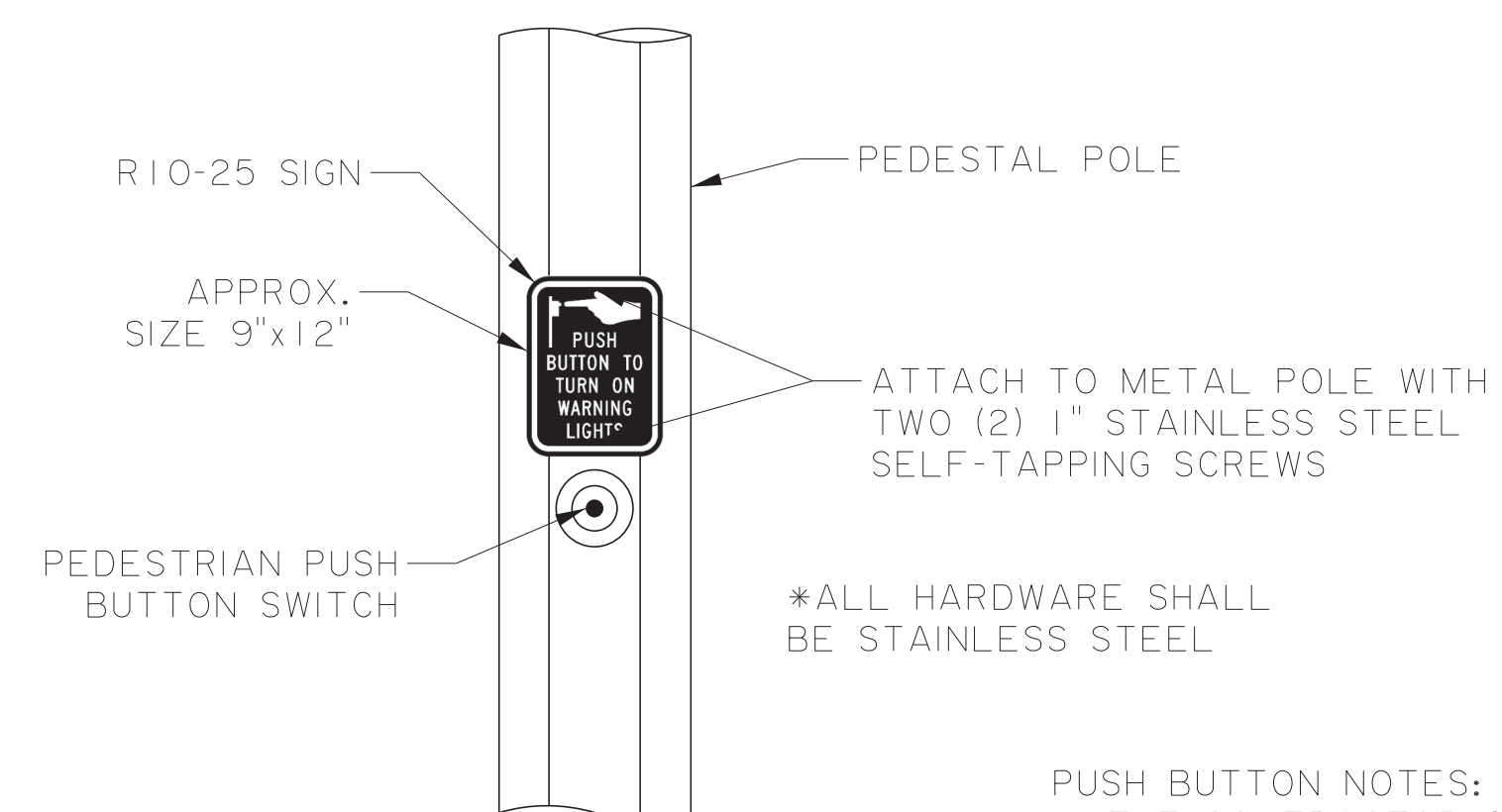


12-01-2021

- PEDESTAL-MOUNTED SIGN NOTES:
- THE W11-2 SIGN, RRFB, AND THE W16-7P SIGN SHALL BE DOUBLE-SIDED FOR THIS APPLICATION (TWO PER PEDESTAL MOUNTED ASSEMBLY (4 TOTAL)). THE APPROPRIATE SIGN ORIENTATION (LEFT/RIGHT) SHALL HAVE SIGNS DIRECTED TOWARD THE CROSSWALK AND NOT AWAY.
 - PAY ITEM NO. 9900004 (TRAFFIC SIGNAL SYSTEM (RRFB)) SHALL INCLUDE ALL MATERIAL, APPURTENANCES, AND LABOR TO FURNISH A COMPLETE AND FUNCTIONAL RRFB TRAFFIC SIGNAL. SEE SHEET 003c FOR ADDITIONAL REQUIREMENTS REGARDING THE TRAFFIC SIGNAL SYSTEM.



DETAIL A:
TYPICAL RRFB SIGN POST
ROADSIDE PLACEMENT
N.T.S
(2 REQUIRED PER INSTALLATION)



PUSH BUTTON
W/ SIGN DETAIL
N.T.S.

- PUSH BUTTON NOTES:
- THE CONTRACTOR SHALL FURNISH AND INSTALL A R10-25 SIGN ABOVE EACH PEDESTRIAN PUSH BUTTON.
 - PEDESTRIAN SIGNALS/SIGNS SHALL BE AIMED WITHIN A MAXIMUM OF 3 DEGREES OF BEING PERPENDICULAR TO THE APPROACH LANE TO WHICH IT APPLIES, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

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DESIGNED	DCH	CHECKED	KDM	DATE	12/01/2021
REVISION	NO.	DATE	BY	DESCRIPTION	
RRFB SIGN POST DETAILS (1 OF 2)					
ELM GROVE GARDEN PED IMPROVEMENTS					

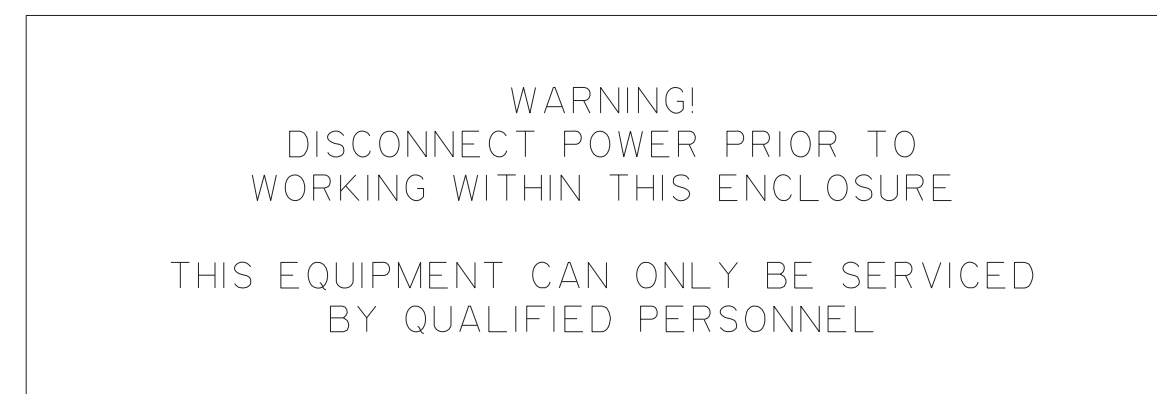
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GENERAL NOTES

1. ALL ELECTRICAL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE. ALL WORK SHOWN IS NEW UNLESS NOTED OTHERWISE.
2. FIELD VERIFY EXISTING CONDITIONS PRIOR TO BIDDING.
3. PRIOR TO CONSTRUCTION, VERIFY THE LOCATION OF ALL EXISTING UNDERGROUND UTILITIES. AVOID DISTURBANCE OF EXISTING UTILITIES NOT INCLUDED IN THE PROJECT.
4. ALL DEMOLISHED EQUIPMENT SHALL BE TURNED OVER TO THE OWNER'S DESIGNATED REPRESENTATIVE FOR RIGHT OF FIRST REFUSAL. CONTRACTOR SHALL DISPOSE OF ANY EQUIPMENT REFUSED BY THE OWNER'S REPRESENTATIVE.
5. THE CONDUIT SYSTEM, ALL ELECTRICAL EQUIPMENT, ALL STEEL STRUCTURES, MOTOR FRAMES, ETC. SHALL BE CONNECTED TO THE GROUNDING SYSTEM PER ARTICAL 250 OF THE NATIONAL ELECTRICAL CODE.
6. ALL EQUIPMENT LOCATIONS SHALL BE VERIFIED IN THE FIELD WITH MECHANICAL TRADES, CONDUIT ROUTING AND EQUIPMENT LOCATIONS SHOWN ARE DIAGRAMMATIC ONLY. THE EXACT LOCATION OF ALL EQUIPMENT AND ROUTING OF CABLES SHALL BE COORDINATED WITH AND APPROVED BY THE OWNER'S REPRESENTATIVE DURING CONSTRUCTION.
7. LOCATIONS OF CONDUITS, BOXES, FITTINGS, ETC., ARE DIAGRAMMATIC. IT SHALL BE THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL SIZES AND LOCATIONS. REVIEW ALL MECHANICAL SHOP DRAWINGS AND COORDINATE WITH THE MECHANICAL CONTRACTOR, OWNER, AND ENGINEER TO INSURE THE TIMELY DELIVERY AND PROPER INSTALLATION OF ALL ELECTRICAL EQUIPMENT. (I.E. CONTROL PANELS, AREA LIGHTING, ETC.)
8. BEFORE INSTALLATION, THE ELECTRICAL CONTRACTOR SHALL SUBMIT DETAILED SHOP AND LAYOUT DRAWINGS TO THE ENGINEER FOR REVIEW COVERING PROPOSED LOCATIONS, MOUNTING, AND ROUTING FOR ALL CONDUITS, SERVICES, FITTINGS, GROUND RODS, AREA LIGHTING, CONTROL PANELS, SUPPORTS, ETC.
9. MINIMUM CONDUIT SIZE IS 3/4". ALL EXPOSED CONDUIT SHALL BE RIGID STEEL AND ALL DUCT BANK CONDUIT SHALL BE SCHEDULE 40 PVC UNLESS NOTED OTHERWISE.
10. THERE SHALL BE WARNING LABELS LOCATED ON THE FRONT OF EACH ELECTRICAL ENCLOSURE. SEE SIGNAGE DETAIL ON THIS SHEET.
11. ITEM NO. 9900004 TRAFFIC SIGNAL SYSTEM (RRFB) SHALL INCLUDE ALL MATERIAL, ITEMS, PERMITS, ACCOUNT SERVICE FEES, AND LABOR NECESSARY TO FURNISH A COMPLETE AND FUNCTIONING SIGNAL AS SHOWN IN THE PLANS

SIGNAGE

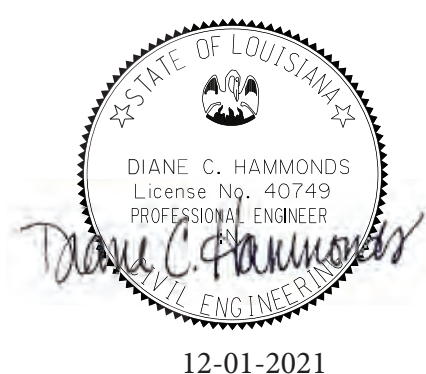
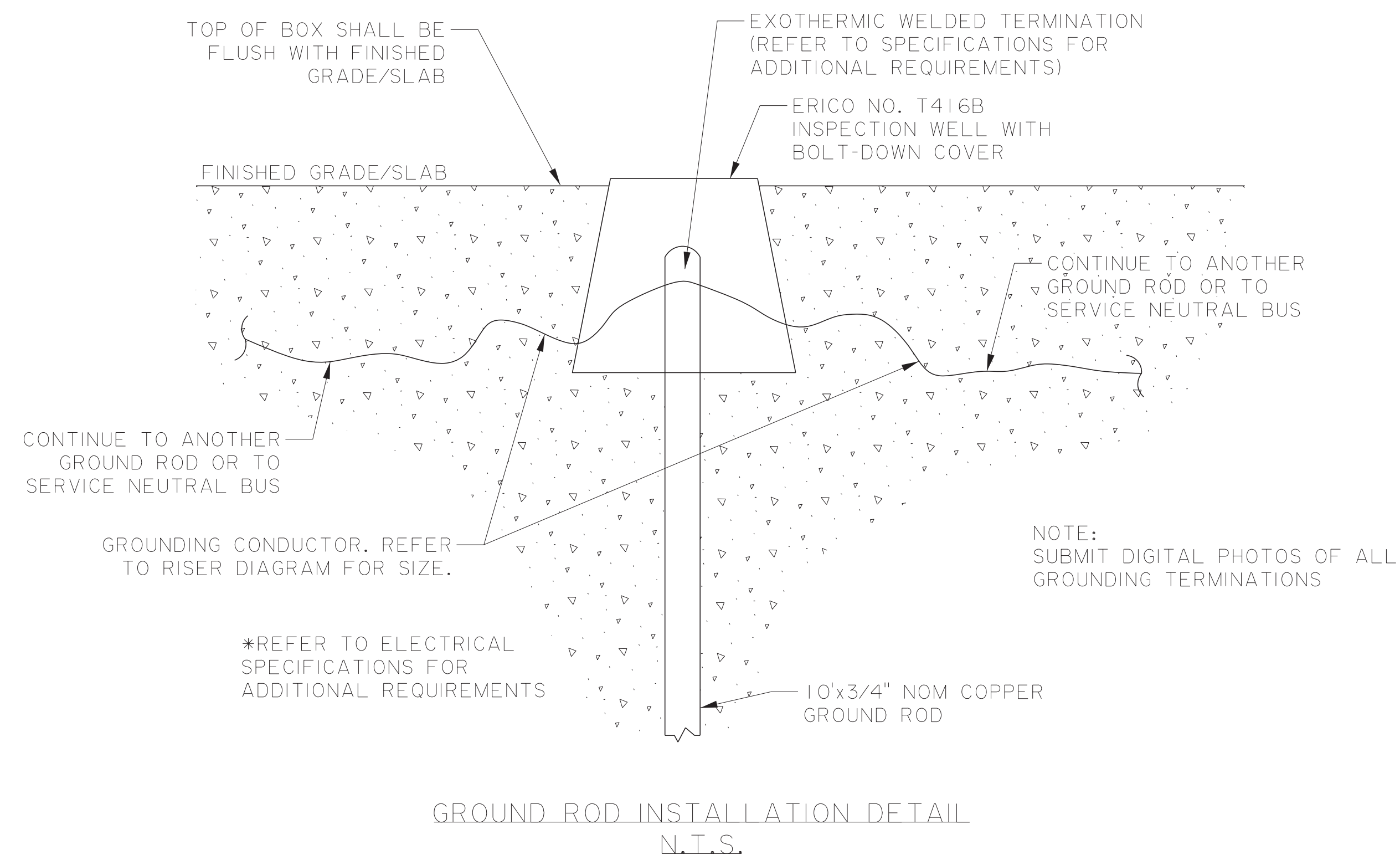
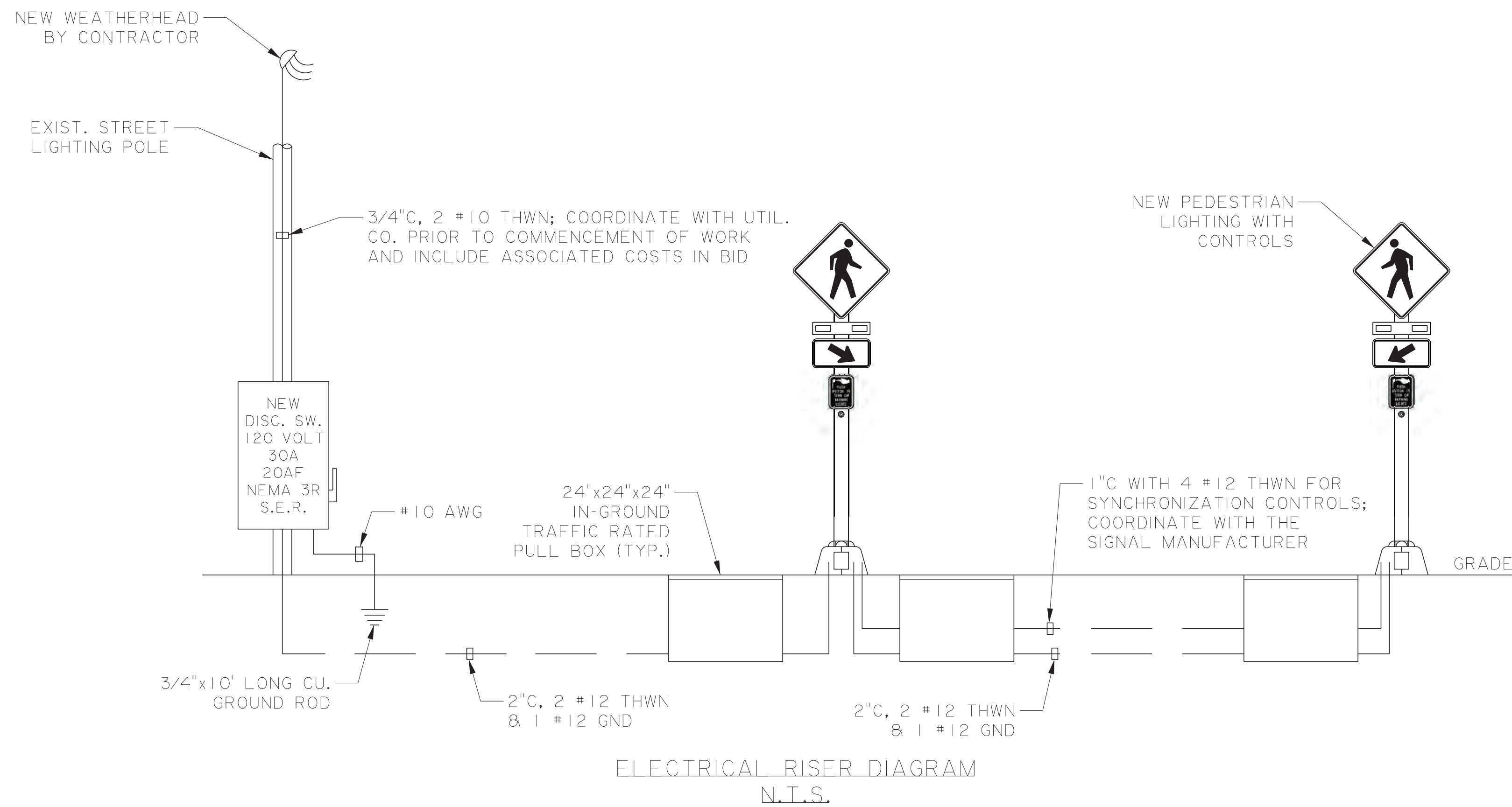
1. THE BELOW SIGN SHALL BE MOUNTED ON THE FRONT OF ALL ELECTRICAL ENCLOSURES.



NOTES:

1. NAMEPLATES TO BE FABRICATED FROM LAMACOID PLASTIC WITH BLACK OUTER LAMINATION AND A WHITE INNER LAMINATION.
2. LETTERING SHALL BE 1/4" HIGH CAPS, EXCEPT AS NOTED ON SCHEDULE. ENGRAVE LETTERS TO EXPOSE WHITE LAMINATION.
3. ATTACH NAMEPLATES ON EQUIPMENT IN A PROMINENT PLACE. USE TWO (3) SMALL STAINLESS STEEL SCREWS FOR SHEET METAL ENCLOSURES. USE CONTACT BOND CEMENT ON ALL OTHER TYPE ENCLOSURES. ASSURE THAT SURFACE IS CLEAN AND FREE OF PAINT PRIOR TO ATTACHING NAMEPLATES.

SIGNAGE DETAIL
N.T.S.



12-01-2021

SHEET NUMBER	003c
PARISH	EAST BATON ROUGE PARISH
CITY PROJECT	17-SW-US-0029
STATE PROJECT	
DESIGNED / CHECKED / KDM	
DATE	12/01/2021
BY	
REVISION DESCRIPTION	
NO.	
DATE	
MOVEBR	
RRFB SIGN POST DETAILS (2 OF 2)	
ELM GROVE GARDEN PED IMPROVEMENTS	
BR	
CITY OF BATON ROUGE	
LICENSED ELECTRICIAN	

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LEGEND

- PAVEMENT TO BE REMOVED & REPLACED
- REQ'D. ASPHALT PAVEMENT
- REQ'D. PERVIOUS CONCRETE SIDEWALK
- FLOW DIRECTION

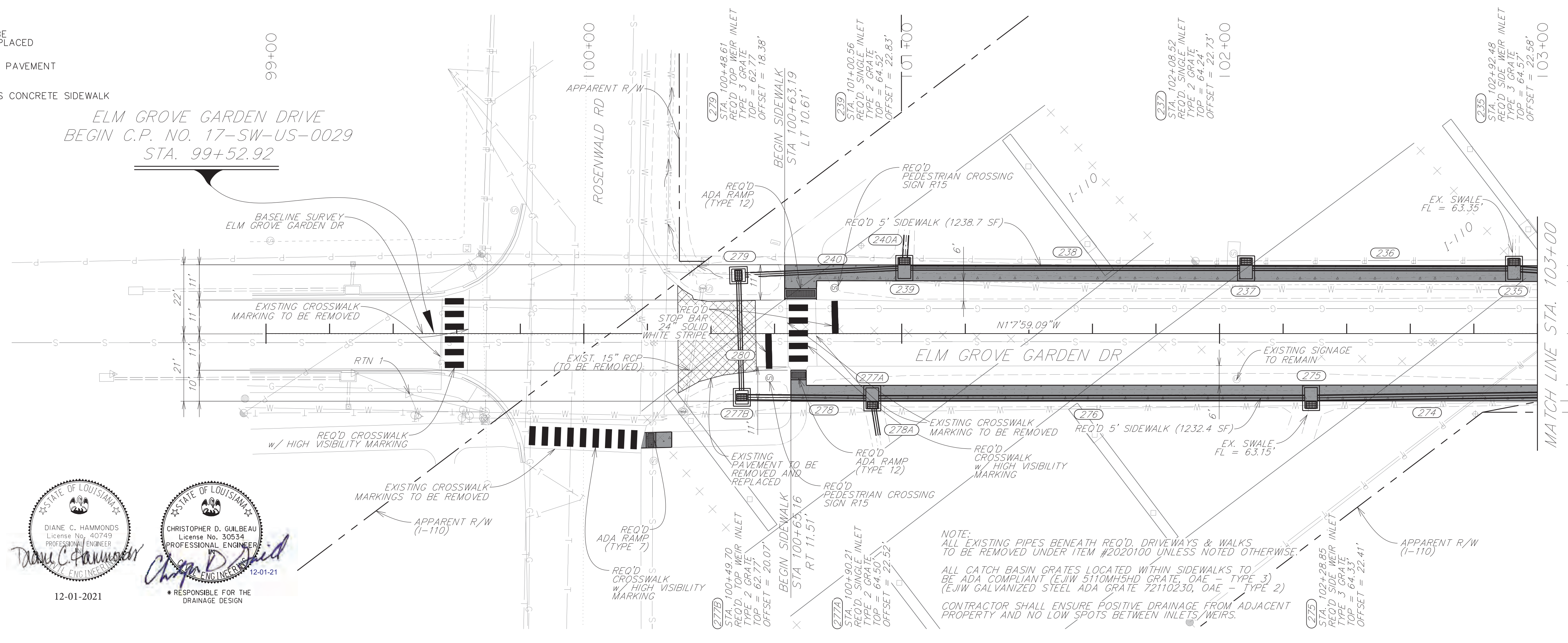
ELM GROVE GARDEN DRIVE
 BEGIN C.P. NO. 17-SW-US-0029
 STA. 99+52.92

DIANE C. HAMMONDS
 License No. 40749
 PROFESSIONAL ENGINEER
 12-01-2021

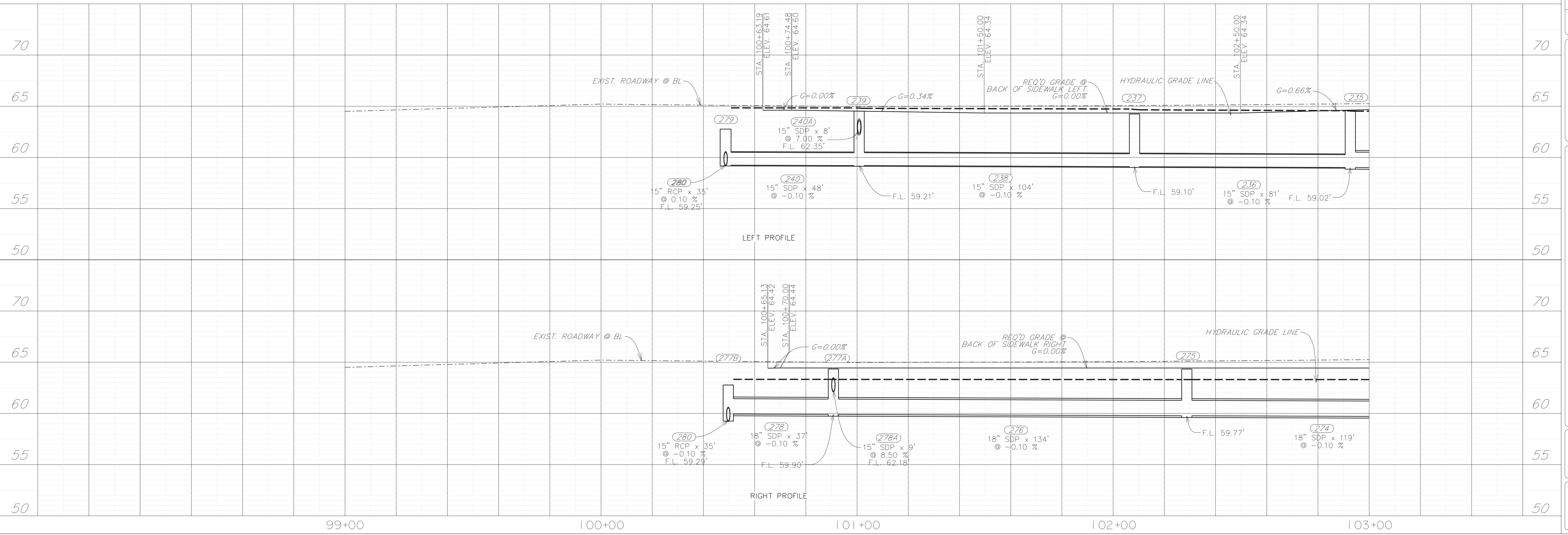
CHRISTOPHER D. GUILBEAU
 License No. 30534
 PROFESSIONAL ENGINEER
 12-01-21
 RESPONSIBLE FOR THE DRAINAGE DESIGN

Scale:
 1"=20' Horiz.
 1"= 5' Vert.

Scale:
 1"=20' Horiz.
 1"= 5' Vert.



NOTE:
 ALL EXISTING PIPES BENEATH REQ'D. DRIVEWAYS & WALKS TO BE REMOVED UNDER ITEM #2020100 UNLESS NOTED OTHERWISE.
 ALL CATCH BASIN GRATES LOCATED WITHIN SIDEWALKS TO BE ADA COMPLIANT (EJW 5110MH5HD GRATE, OAE - TYPE 3) (EJW GALVANIZED STEEL ADA GRATE 72110230, OAE - TYPE 2)
 CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE FROM ADJACENT PROPERTY AND NO LOW SPOTS BETWEEN INLETS/WEIRS.



SHEET NUMBER	004
PARISH	EAST BATON ROUGE PARISH
CITY PROJECT	17-SW-US-0029
DESIGNED	DCH
CHECKED	KDM
DATE	12/01/2021
BY	
REVISION DESCRIPTION	
NO.	
DATE	

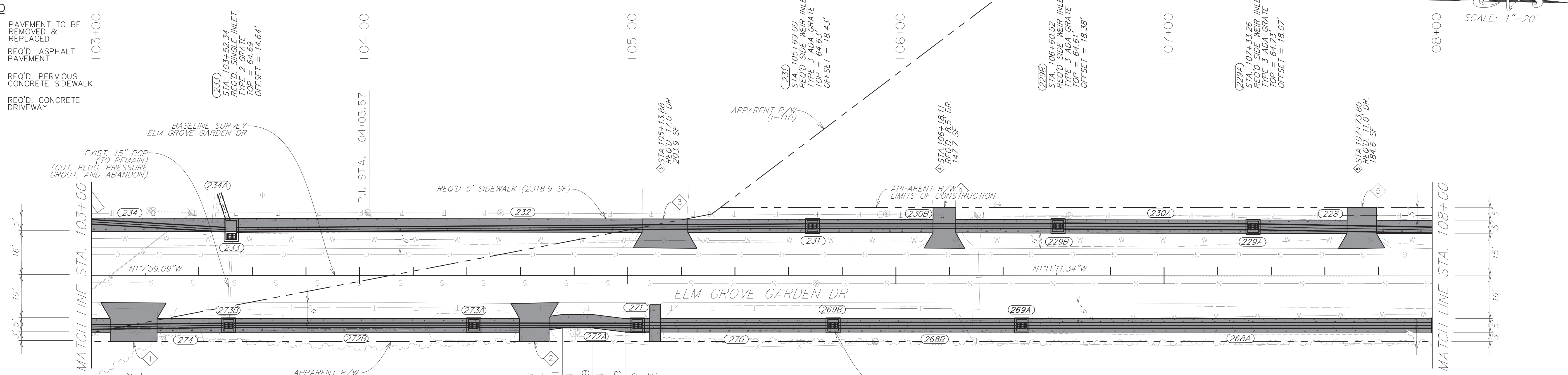
PLAN & PROFILE SHEET

ELM GROVE GARDEN PED IMPROVEMENTS

BR
 CITY OF BATON ROUGE

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- LEGEND**
- PAVEMENT TO BE REMOVED & REPLACED
 - REQ'D ASPHALT PAVEMENT
 - REQ'D PERVIOUS CONCRETE SIDEWALK
 - REQ'D CONCRETE DRIVEWAY



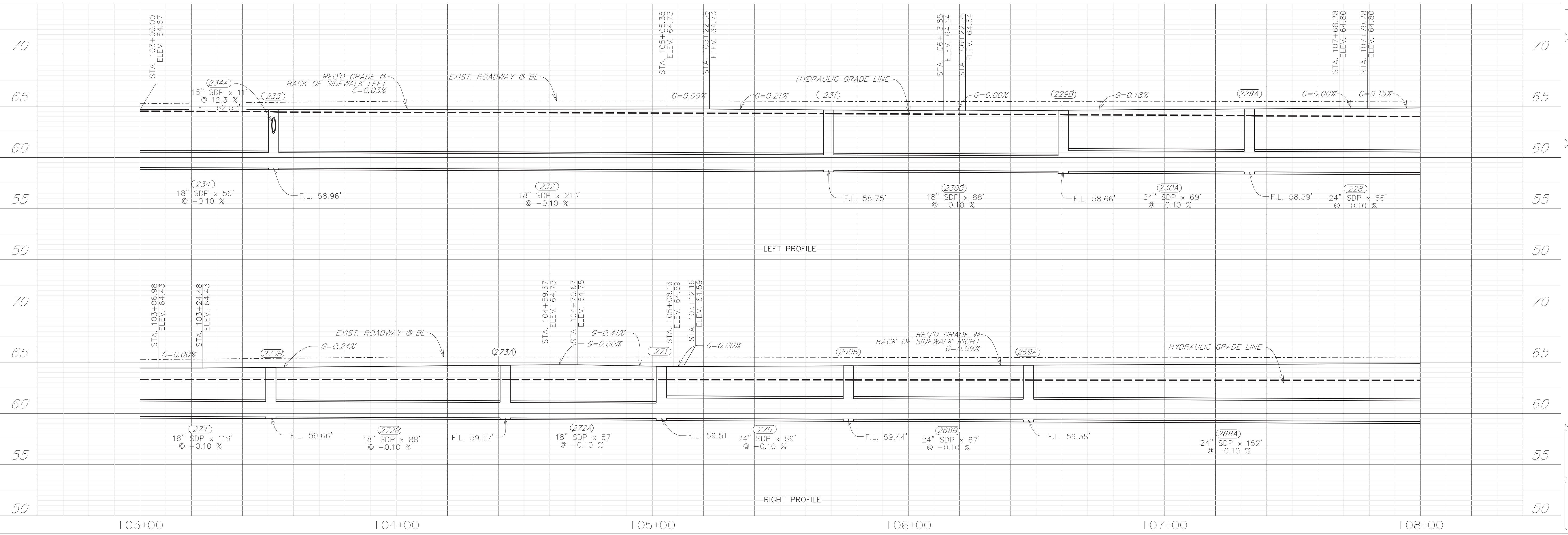
STATE OF LOUISIANA
DIANE C. HAMMONDS
License No. 40749
PROFESSIONAL ENGINEER
12-01-2021

STATE OF LOUISIANA
CHRISTOPHER D. GUILBEAU
License No. 30534
PROFESSIONAL ENGINEER
12-01-21
RESponsible for the DRAINAGE DESIGN

NOTE:
ALL EXISTING PIPES BENEATH REQ'D DRIVEWAYS & WALKS TO BE REMOVED UNDER ITEM #2020100 UNLESS NOTED OTHERWISE.
ALL CATCH BASIN GRATES LOCATED WITHIN SIDEWALKS TO BE ADA COMPLIANT (EJW 5110MH5HD GRATE, OAE - TYPE 3) (EJW GALVANIZED STEEL ADA GRATE 72110230, OAE - TYPE 2)
CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE FROM ADJACENT PROPERTY AND NO LOW SPOTS BETWEEN INLETS/WEIRS.

Scale:
1"=20' Horiz.
1"= 5' Vert.

Scale:
1"=20' Horiz.
1"= 5' Vert.



SHEET NUMBER	005
PARISH	EAST BATON ROUGE PARISH
CITY PROJECT	17-SW-US-0029
STATE PROJECT	
DESIGNED / DCH	
CHECKED / KDM	
DATE	12/01/2021
REVISION DESCRIPTION	
NO.	
DATE	
BY	

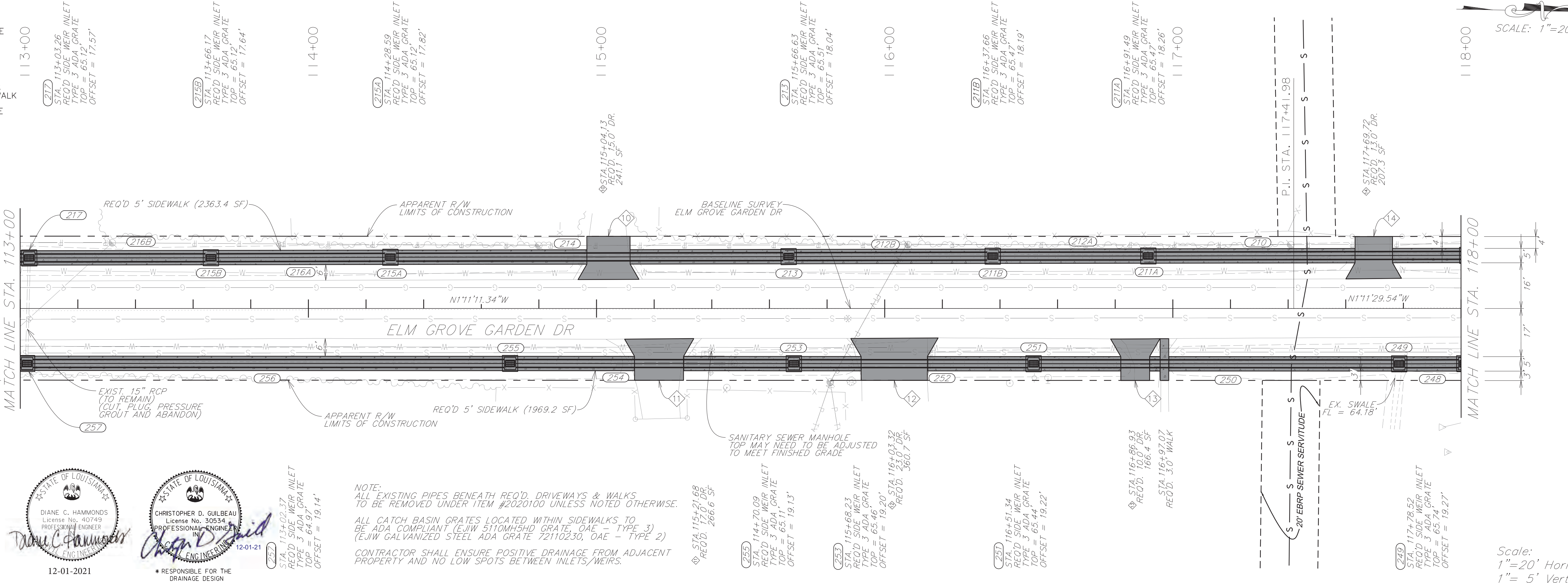
PLAN & PROFILE SHEET

ELM GROVE GARDEN PED IMPROVEMENTS

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LEGEND

	PAVEMENT TO BE REMOVED & REPLACED
	REQ'D ASPHALT PAVEMENT
	REQ'D PERVIOUS CONCRETE SIDEWALK
	REQ'D CONCRETE DRIVEWAY



STATE OF LOUISIANA
 DIANE C. HAMMONDS
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 PROFESSIONAL ENGINEER
 12-01-2021

STATE OF LOUISIANA
 CHRISTOPHER D. GUILBEAU
 License No. 30534
 PROFESSIONAL ENGINEER
 12-01-21
 * RESPONSIBLE FOR THE DRAINAGE DESIGN

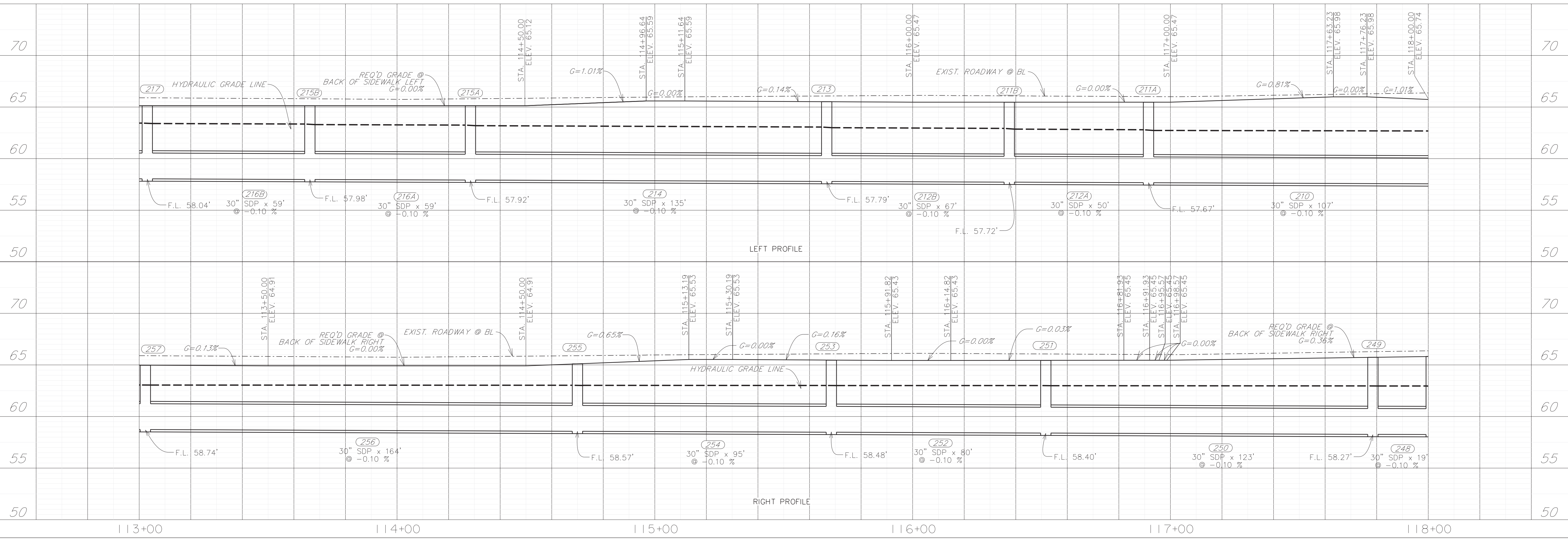
NOTE:
 ALL EXISTING PIPES BENEATH REQ'D DRIVEWAYS & WALKS TO BE REMOVED UNDER ITEM #2020100 UNLESS NOTED OTHERWISE.

ALL CATCH BASIN GRATES LOCATED WITHIN SIDEWALKS TO BE ADA COMPLIANT (EJW 510M5HD GRATE, OAE - TYPE 3) (EJW GALVANIZED STEEL ADA GRATE 72110230, OAE - TYPE 2)

CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE FROM ADJACENT PROPERTY AND NO LOW SPOTS BETWEEN INLETS/WEIRS.

Scale:
 1"=20' Horiz.
 1"= 5' Vert.

Scale:
 1"=20' Horiz.
 1"= 5' Vert.



SHEET NUMBER	007
PARISH	EAST BATON ROUGE PARISH
CITY PROJECT	17-SW-US-0029
STATE PROJECT	
DESIGNED / CHECKED / KDM	
DATE	12/01/2021
BY	
REVISION DESCRIPTION	
NO.	
DATE	

MOVEBR

PLAN & PROFILE SHEET

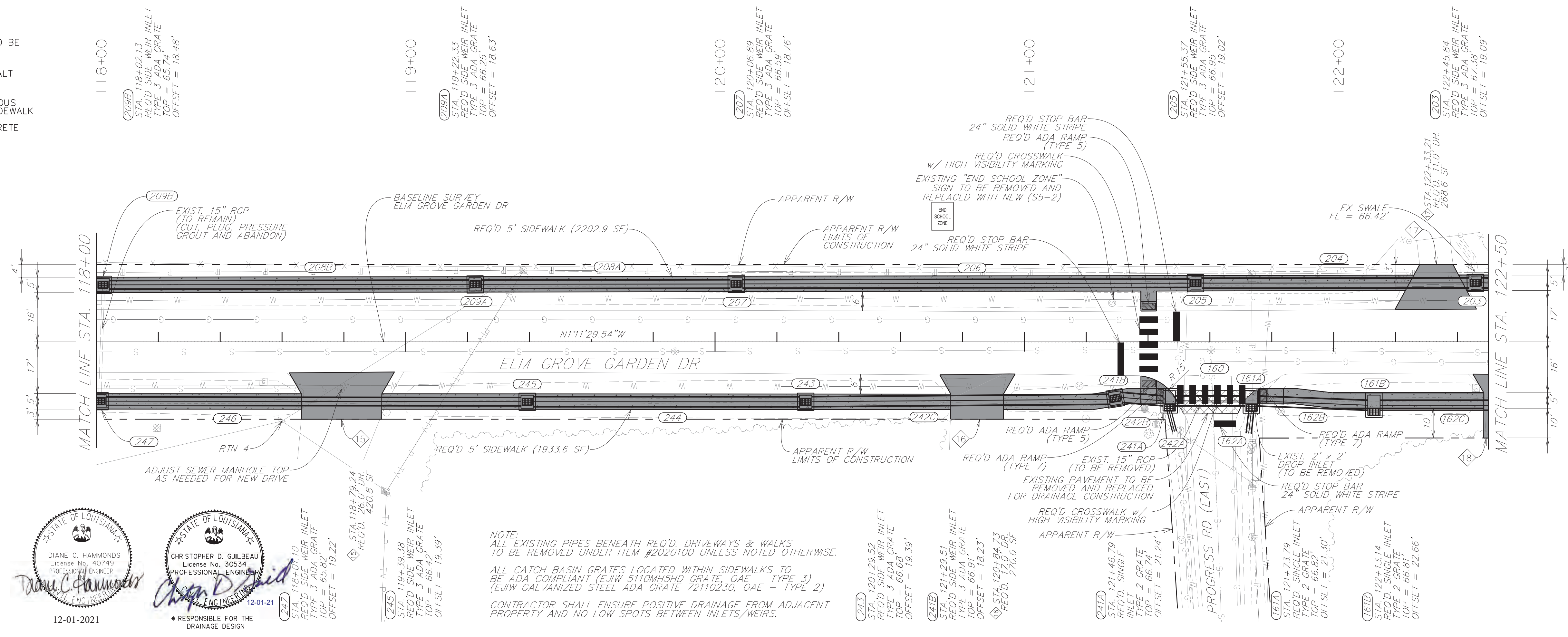
ELM GROVE GARDEN PED IMPROVEMENTS

BR
 CITY OF BATON ROUGE
 ENGINEER

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LEGEND

- PAVEMENT TO BE REMOVED & REPLACED
- REQ'D ASPHALT PAVEMENT
- REQ'D PERVIOUS CONCRETE SIDEWALK
- REQ'D CONCRETE DRIVEWAY



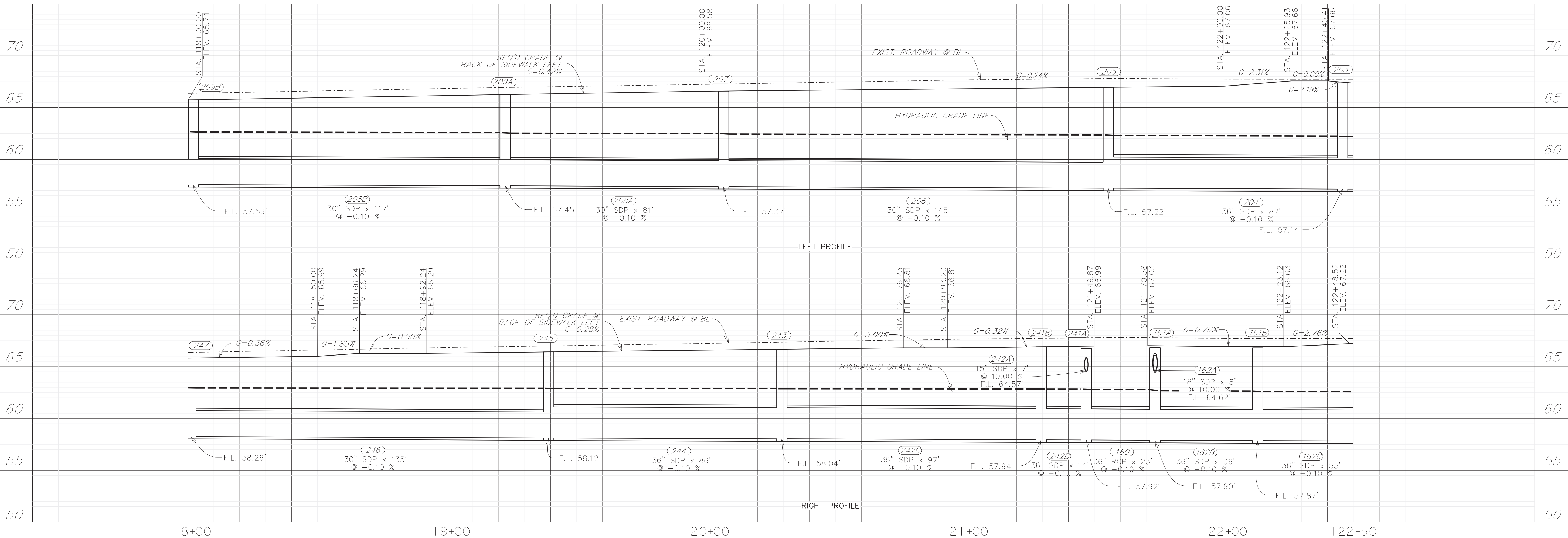
STATE OF LOUISIANA
 DIANE C. HAMMONDS
 License No. 40749
 PROFESSIONAL ENGINEER
 12-01-2021

STATE OF LOUISIANA
 CHRISTOPHER D. GUILBEAU
 License No. 30534
 PROFESSIONAL ENGINEER
 12-01-21
 * RESPONSIBLE FOR THE DRAINAGE DESIGN

NOTE:
 ALL EXISTING PIPES BENEATH REQ'D DRIVEWAYS & WALKS TO BE REMOVED UNDER ITEM #2020100 UNLESS NOTED OTHERWISE.
 ALL CATCH BASIN GRATES LOCATED WITHIN SIDEWALKS TO BE ADA COMPLIANT (EJWW 510MH5HD GRATE - OAE - TYPE 3) (EJWW GALVANIZED STEEL ADA GRATE 72110230, OAE - TYPE 2)
 CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE FROM ADJACENT PROPERTY AND NO LOW SPOTS BETWEEN INLETS/WEIRS.

Scale:
 1"=20' Horiz.
 1"= 5' Vert.

Scale:
 1"=20' Horiz.
 1"= 5' Vert.



SHEET NUMBER	008
PARISH	EAST BATON ROUGE PARISH
CITY PROJECT	17-SW-US-0029
DESIGNED	DCH
CHECKED	KDM
DATE	12/01/2021
DESIGNED	DCH
CHECKED	CTR
DATE	12/01/2021
DESIGNED	DCH
CHECKED	DCH
DATE	12/01/2021
NO.	
DATE	
REVISION DESCRIPTION	
BY	

PLAN & PROFILE SHEET

ELM GROVE GARDEN PED IMPROVEMENTS

MOVEBR

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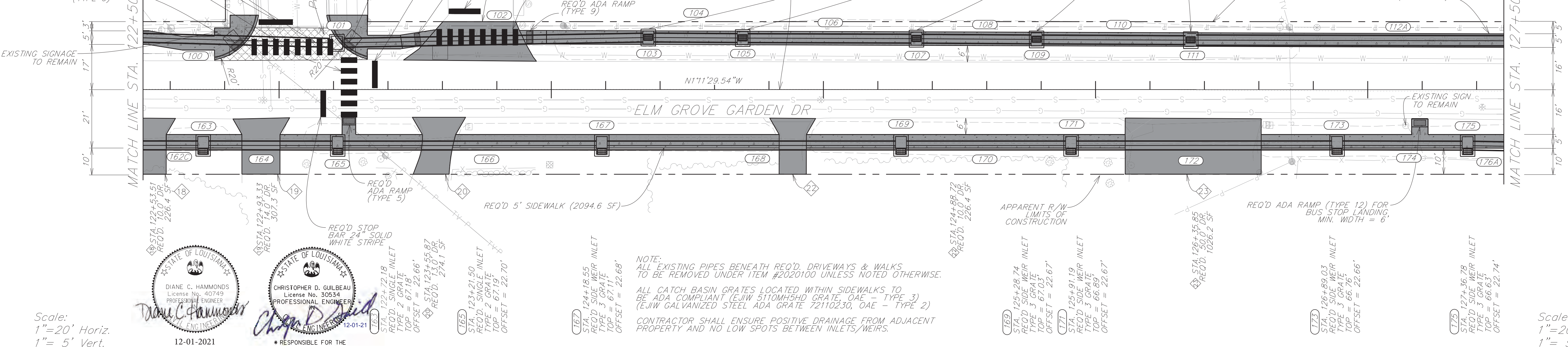
CITY OF BATON ROUGE

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LEGEND

- PAVEMENT TO BE REMOVED & REPLACED
- REQ'D. ASPHALT PAVEMENT
- REQ'D. PERVIOUS CONCRETE SIDEWALK
- REQ'D. CONCRETE DRIVEWAY

EXIST. 15" RCP (TO BE REMOVED)
 REQ'D STOP BAR 24" SOLID WHITE STRIPE
 REQ'D CROSSWALK w/ HIGH VISIBILITY MARKING
 REQ'D ADA RAMP (TYPE 6)



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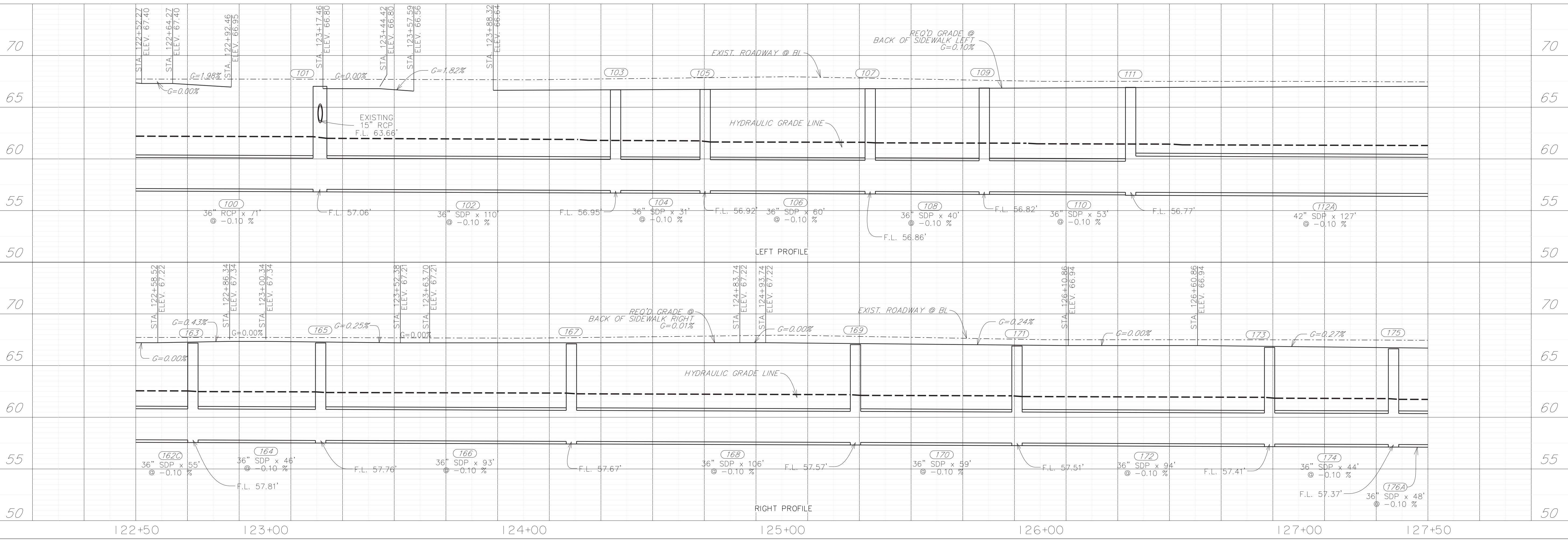
Scale:
 1"=20' Horiz.
 1"= 5' Vert.

12-01-2021

* RESPONSIBLE FOR THE DRAINAGE DESIGN

NOTE:
 ALL EXISTING PIPES BENEATH REQ'D. DRIVEWAYS & WALKS TO BE REMOVED UNDER ITEM #2020100 UNLESS NOTED OTHERWISE.
 ALL CATCH BASIN GRATES LOCATED WITHIN SIDEWALKS TO BE ADA COMPLIANT (EJW 510MH5HD GRATE - OAE - TYPE 3) (EJW GALVANIZED STEEL ADA GRATE 72110230, OAE - TYPE 2)
 CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE FROM ADJACENT PROPERTY AND NO LOW SPOTS BETWEEN INLETS/WEIRS.

Scale:
 1"=20' Horiz.
 1"= 5' Vert.

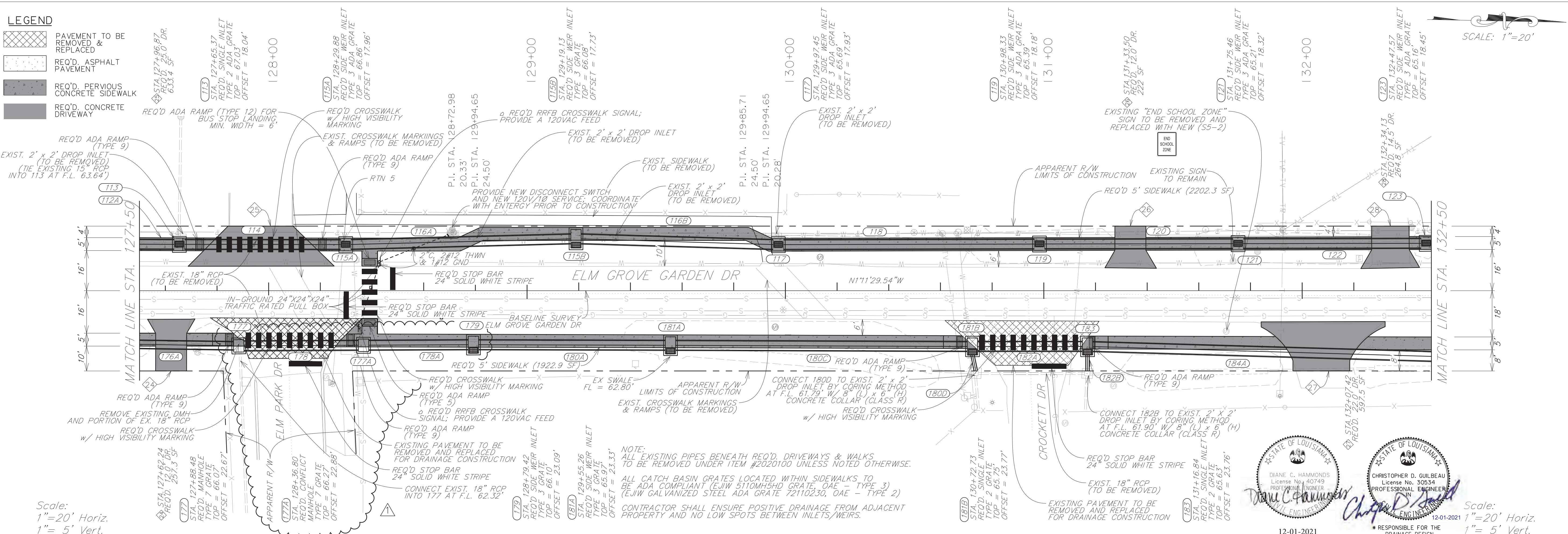


SHEET NUMBER	009
PARISH	EAST BATON ROUGE PARISH
CITY PROJECT	17-SW-US-0029
STATE PROJECT	
DESIGNED DCH	
CHECKED KDM	
DATE	12/01/2021
BY	
REVISION DESCRIPTION	
NO.	
MOVEBR	
PLAN & PROFILE SHEET	
ELM GROVE GARDEN PED IMPROVEMENTS	
BR CITY OF BATON ROUGE	
BR CITY OF BATON ROUGE	

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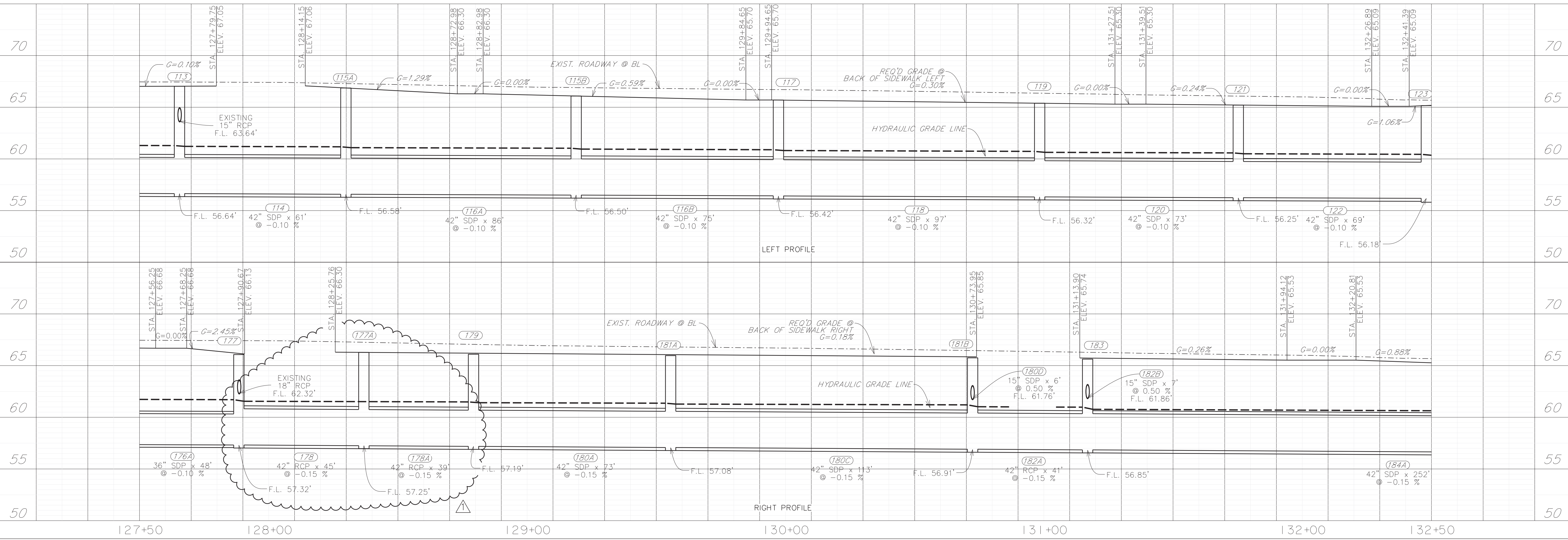
LEGEND

- PAVEMENT TO BE REMOVED & REPLACED
- REO'D ASPHALT PAVEMENT
- REO'D PERVIOUS CONCRETE SIDEWALK
- REO'D CONCRETE DRIVEWAY



Scale: 1"=20' Horiz. 1"= 5' Vert.

Scale: 1"=20' Horiz. 1"= 5' Vert.



12-01-2021

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CHRISTOPHER D. GUILBEAU
License No. 30534
PROFESSIONAL ENGINEER

* RESPONSIBLE FOR THE DRAINAGE DESIGN

SHEET NUMBER	010
PARISH	EAST BATON ROUGE PARISH
CITY PROJECT	17-SW-US-0029
DESIGNED / CHECKED / KDM	
DATE	12/01/2021
BY	
CONFLICT MANHOLE ADDED @ STATION	
DATE	01-05-2022
REVISION DESCRIPTION	
NO.	

PLAN & PROFILE SHEET

ELM GROVE GARDEN PED IMPROVEMENTS

BR

BR

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LEGEND

	PAVEMENT TO BE REMOVED & REPLACED
	REQ'D ASPHALT PAVEMENT
	REQ'D PERVIOUS CONCRETE SIDEWALK
	REQ'D CONCRETE DRIVEWAY

SCALE: 1"=20'

SHEET NUMBER 011

EAST BATON ROUGE PARISH
CITY PROJECT 17-SW-US-0029

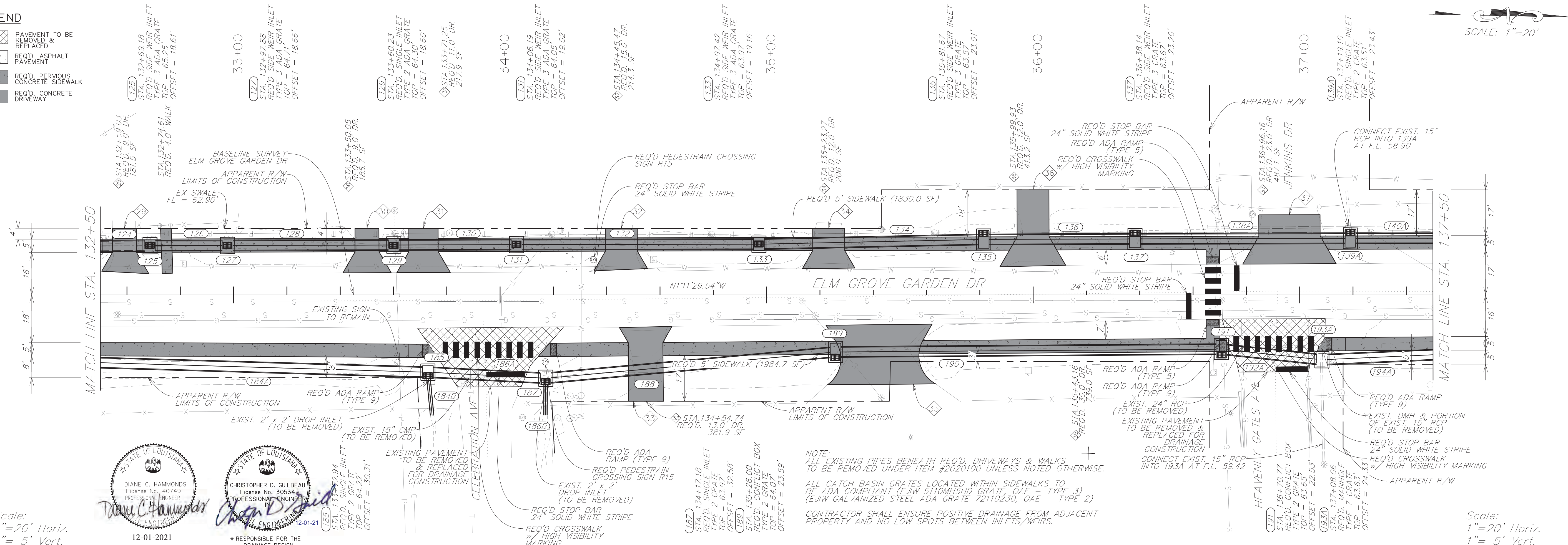
DESIGNED DCH
CHECKED KDM
DATE 12/01/2021

REVISION DESCRIPTION

DATE NO. BY



PLAN & PROFILE SHEET
ELM GROVE GARDEN PED IMPROVEMENTS



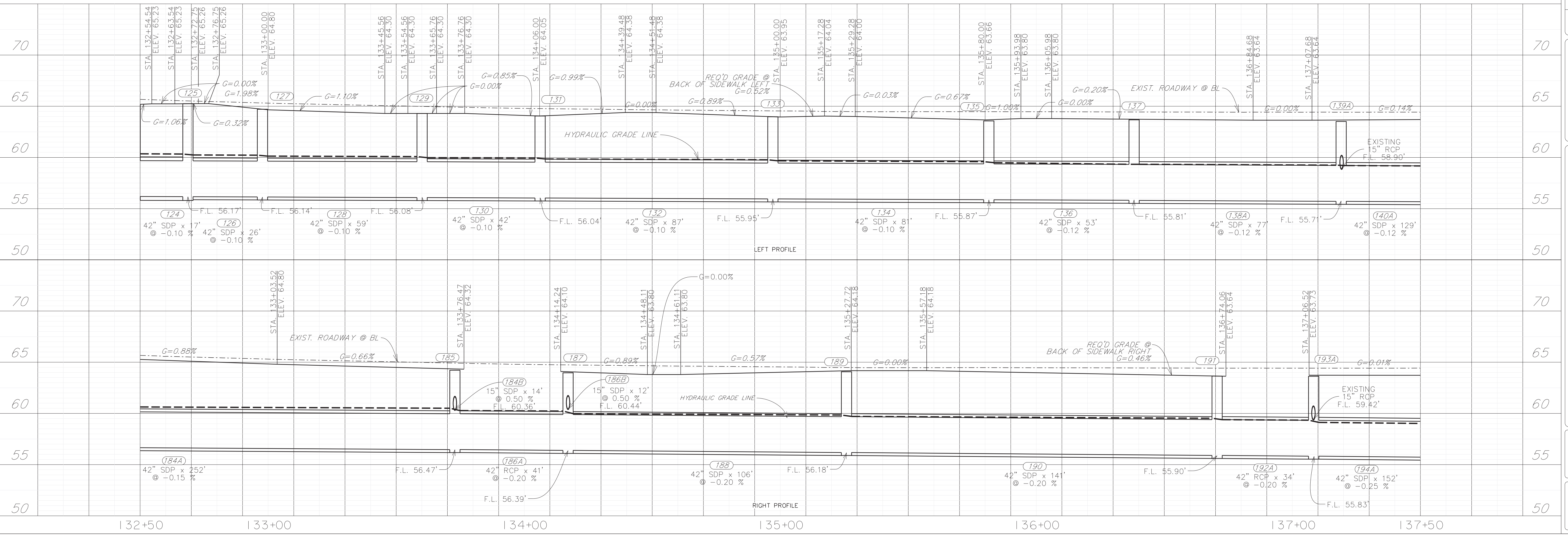
Scale: 1"=20' Horiz. 1"= 5' Vert.

Scale: 1"=20' Horiz. 1"= 5' Vert.

DIANE C. HAMMONDS
PROFESSIONAL ENGINEER
License No. 40749
12-01-2021

CHRISTOPHER D. GUILBEAU
PROFESSIONAL ENGINEER
License No. 30534
12-01-21
RESPONSIBLE FOR THE DRAINAGE DESIGN

NOTE:
ALL EXISTING PIPES BENEATH REQ'D. DRIVEWAYS & WALKS TO BE REMOVED UNDER ITEM #2020100 UNLESS NOTED OTHERWISE.
ALL CATCH BASIN GRATES LOCATED WITHIN SIDEWALKS TO BE ADA COMPLIANT (EJW 5110MH5HD GRATE, OAE - TYPE 3) (EJW GALVANIZED STEEL ADA GRATE 72110230, OAE - TYPE 2)
CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE FROM ADJACENT PROPERTY AND NO LOW SPOTS BETWEEN INLETS/WEIRS.

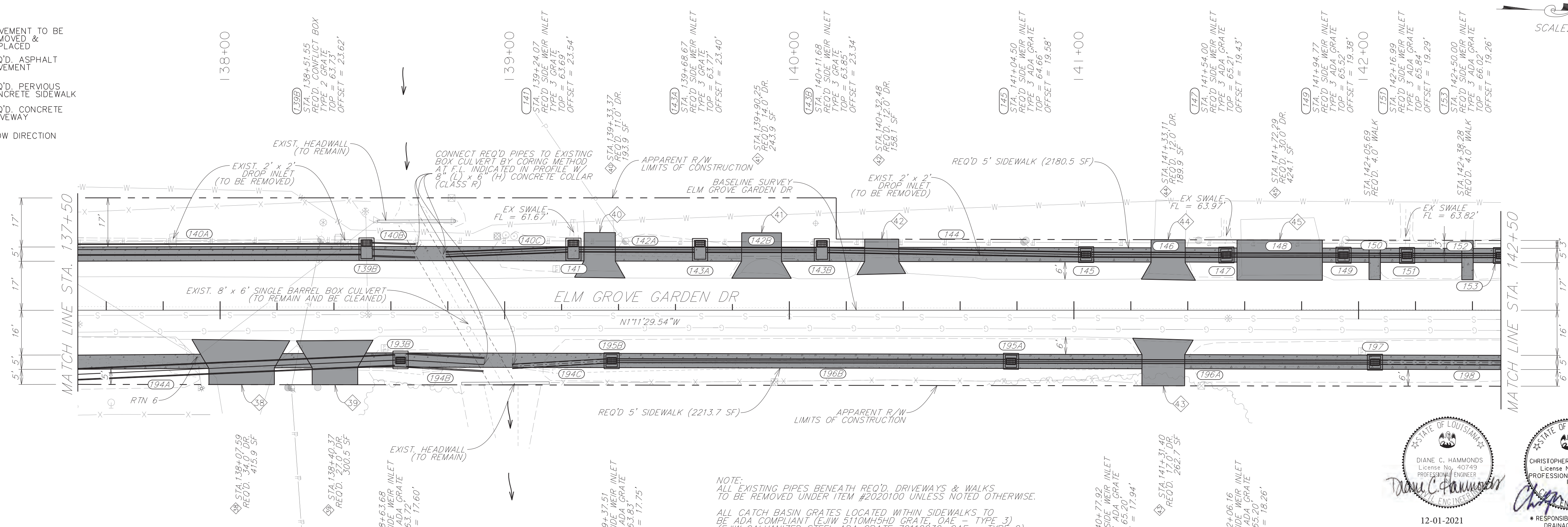


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LEGEND

- PAVEMENT TO BE REMOVED & REPLACED
- REQ'D ASPHALT PAVEMENT
- REQ'D. PVIOUS CONCRETE SIDEWALK
- REQ'D CONCRETE DRIVEWAY
- FLOW DIRECTION

SCALE: 1"=20'

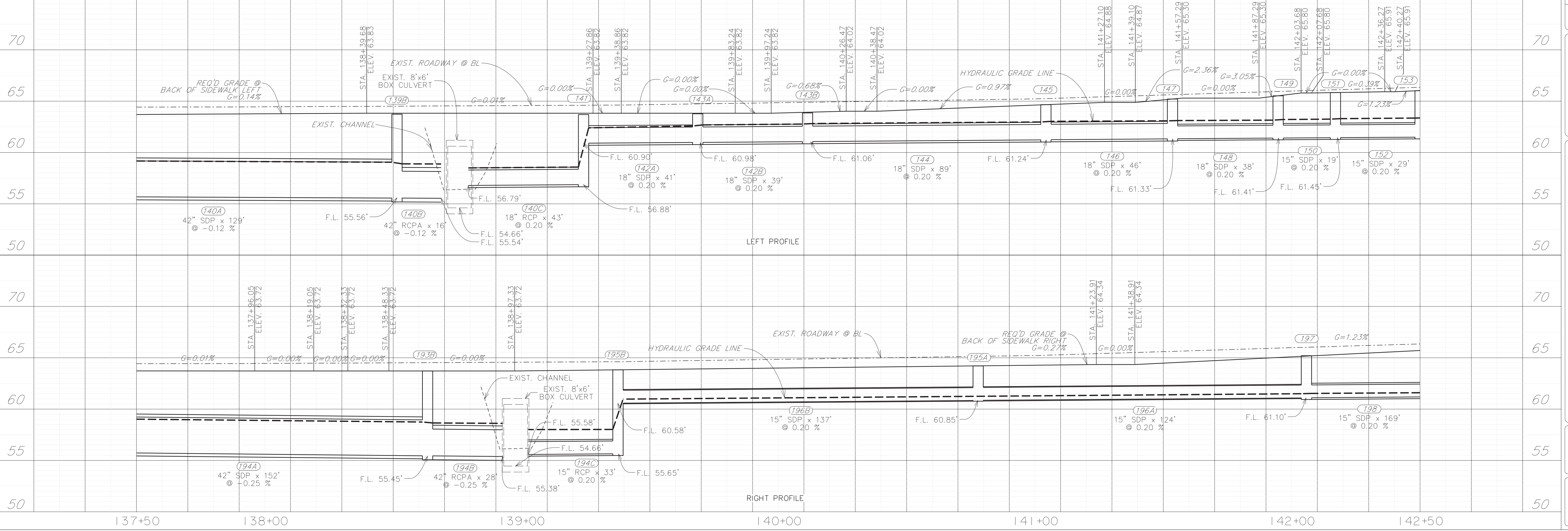


Scale: 1"=20' Horiz. 1"= 5' Vert.

NOTE:
 ALL EXISTING PIPES BENEATH REQ'D. DRIVEWAYS & WALKS TO BE REMOVED UNDER ITEM #2020100 UNLESS NOTED OTHERWISE.
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 CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE FROM ADJACENT PROPERTY AND NO LOW SPOTS BETWEEN INLETS/WEIRS.

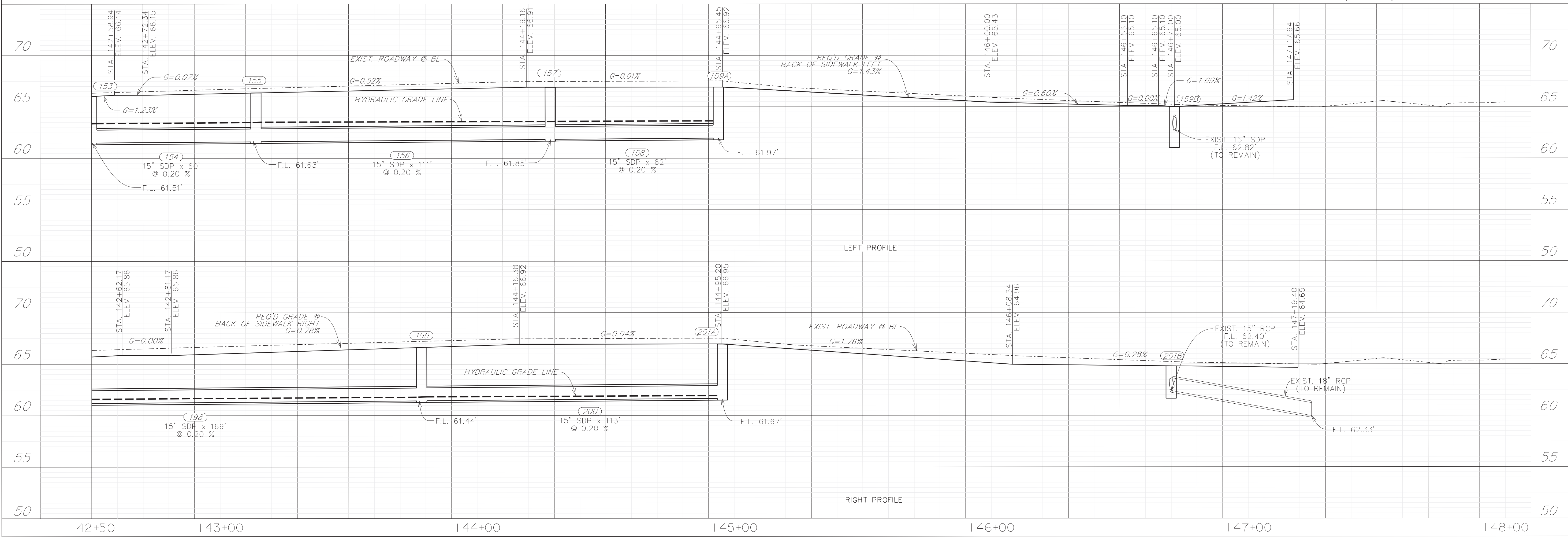
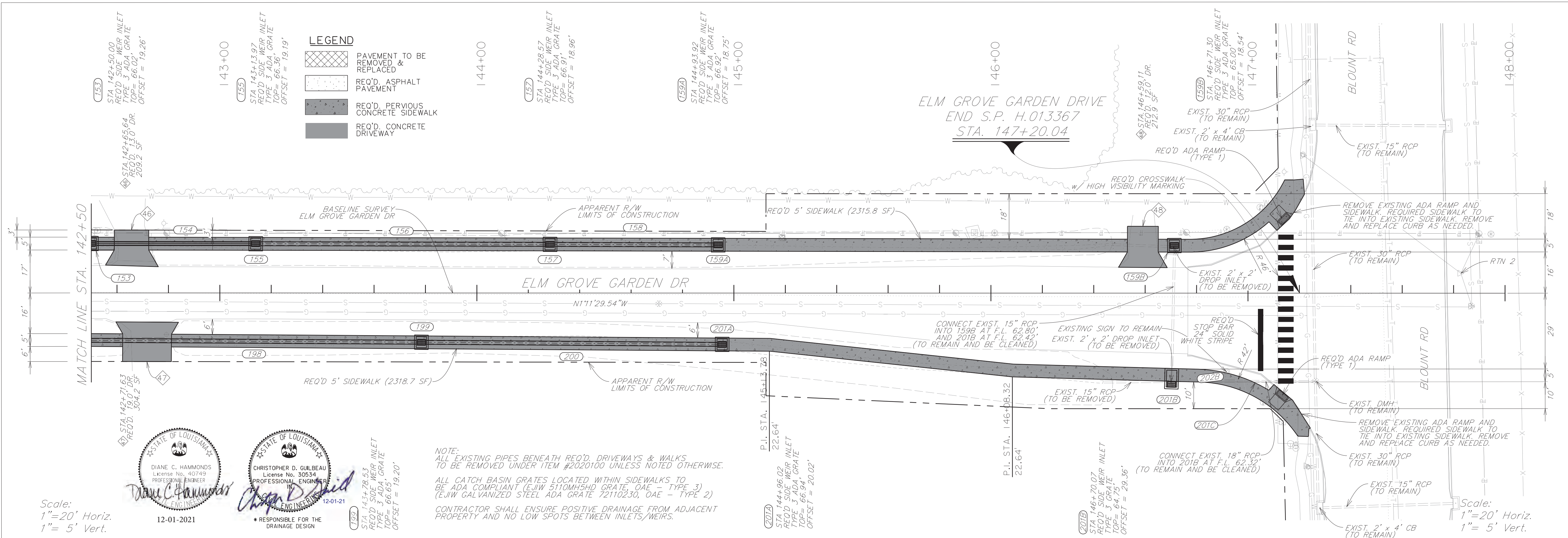
Professional Engineer stamps for Diane C. Hammond and Christopher D. Guilbeau, State of Louisiana, License No. 40749 and 30534 respectively. Includes the date 12-01-2021.

Scale: 1"=20' Horiz. 1"= 5' Vert.



Project information including SHEET NUMBER 012, EAST BATON ROUGE PARISH, CITY PROJECT 17-SW-US-0029, and a revision table with columns for NO., DATE, REVISION DESCRIPTION, and BY. Includes logos for MOVEBR and BR (Battelle Research).

x:\2019\2190115.00C- Elm Grove Garden Pedestrian Improvements\CADD\Plans\013_Plan & Profile Sheet.dgn



DIANE C. HAMMONDS
 License No. 40743
 PROFESSIONAL ENGINEER
 12-01-2021

CHRISTOPHER D. GUILBEAU
 License No. 30834
 PROFESSIONAL ENGINEER
 12-01-21
 RESPONSIBLE FOR THE DRAINAGE DESIGN

SHEET NUMBER **013**

PARISH EAST BATON ROUGE PARISH

CITY PROJECT 17-SW-US-0029

DESIGNED DCH
 CHECKED KDM

DATE 12/01/2021

BY

NO.

REVISION DESCRIPTION

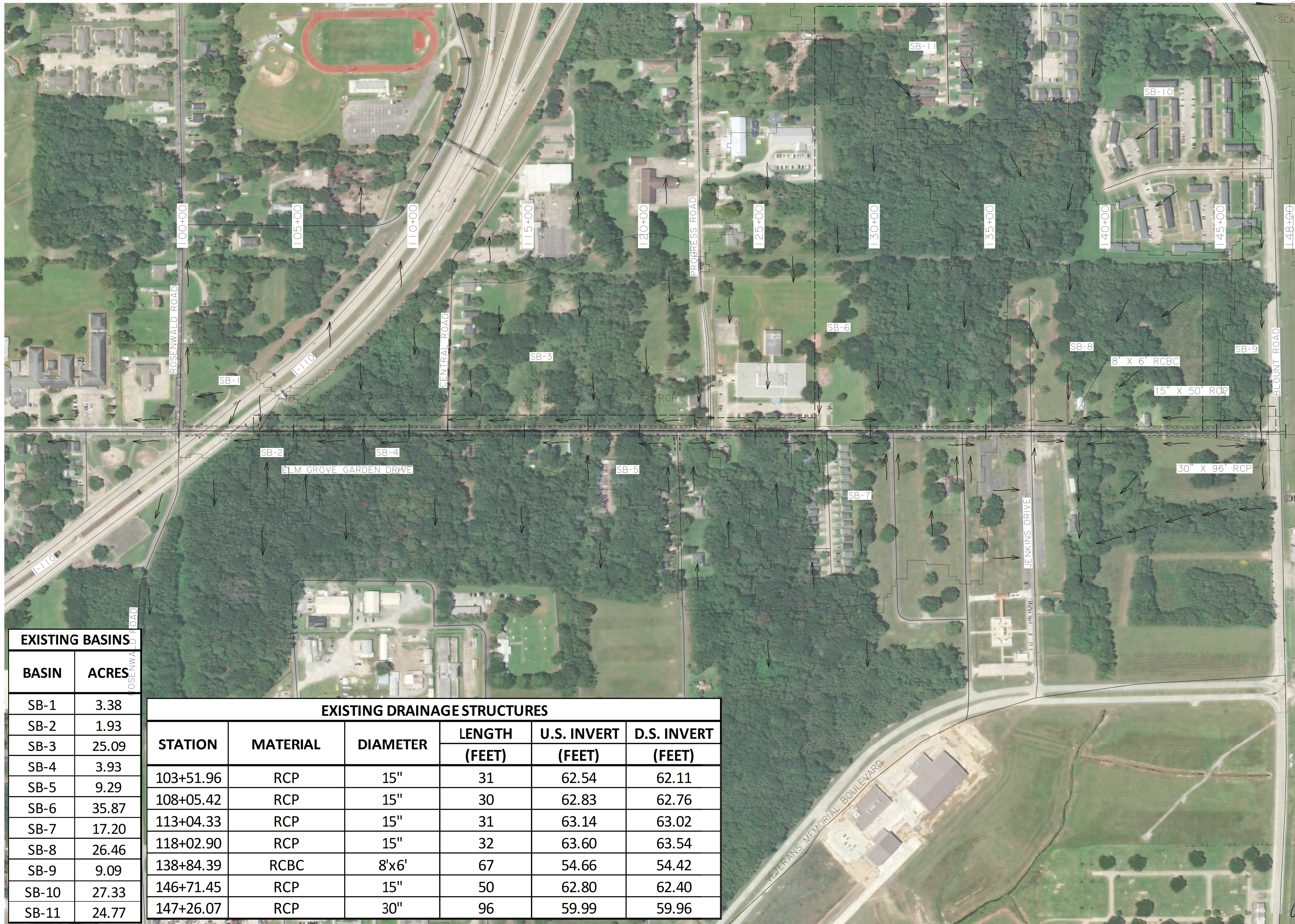
DATE

BR
 CITY OF BATON ROUGE

PLAN & PROFILE SHEET

ELM GROVE GARDEN PED IMPROVEMENTS

MOVEBR



SCALE: 1"=200'

EXISTING BASINS	
BASIN	ACRES
SB-1	3.38
SB-2	1.93
SB-3	25.09
SB-4	3.93
SB-5	9.29
SB-6	35.87
SB-7	17.20
SB-8	26.46
SB-9	9.09
SB-10	27.33
SB-11	24.77

EXISTING DRAINAGE STRUCTURES						
STATION	MATERIAL	DIAMETER	LENGTH	U.S. INVERT	D.S. INVERT	
			(FEET)	(FEET)	(FEET)	
103+51.96	RCP	15"	31	62.54	62.11	
108+05.42	RCP	15"	30	62.83	62.76	
113+04.33	RCP	15"	31	63.14	63.02	
118+02.90	RCP	15"	32	63.60	63.54	
138+84.39	RCBC	8'x6'	67	54.66	54.42	
146+71.45	RCP	15"	50	62.80	62.40	
147+26.07	RCP	30"	96	59.99	59.96	

SHEET NUMBER	014
DESIGNED / DCH	EAST BATON ROUGE PARISH
CHECKED / KDM	
DATE / SHEET	12/01/2021
PROJECT	17-SW-US-0029
CITY PROJECT	
STATE PROJECT	
REVISION DESCRIPTION	
DATE	
NO.	
BY	

EXISTING DRAINAGE MAP

ELM GROVE GARDEN PED IMPROVEMENTS

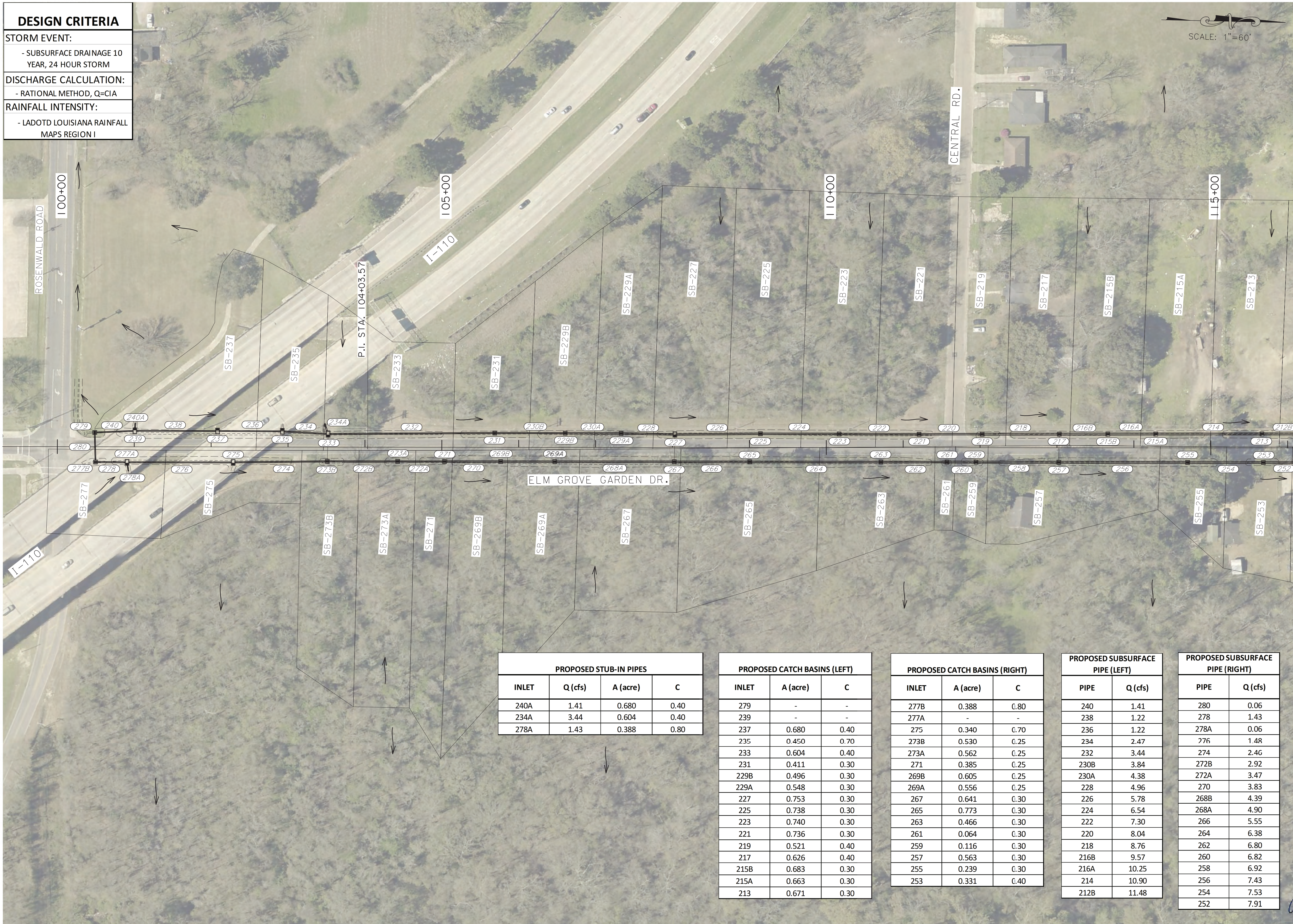
MOVEBR

BR
CITY OF BATON ROUGE

STATE OF LOUISIANA
CHRISTOPHER D. GULBEAU
LICENSE NO. 30534
PROFESSIONAL ENGINEER
12-01-21

X:\2019\2190115.00C- Elm Grove Garden Pedestrian Improvements\CADD\Plans\015_Design Drainage Map-1.dgn

DESIGN CRITERIA	
STORM EVENT:	
- SUBSURFACE DRAINAGE 10 YEAR, 24 HOUR STORM	
DISCHARGE CALCULATION:	
- RATIONAL METHOD, Q=CIA	
RAINFALL INTENSITY:	
- LADOTD LOUISIANA RAINFALL MAPS REGION I	



PROPOSED STUB-IN PIPES			
INLET	Q (cfs)	A (acre)	C
240A	1.41	0.680	0.40
234A	3.44	0.604	0.40
278A	1.43	0.388	0.80

PROPOSED CATCH BASINS (LEFT)		
INLET	A (acre)	C
279	-	-
239	-	-
237	0.680	0.40
235	0.450	0.70
233	0.604	0.40
231	0.411	0.30
229B	0.496	0.30
229A	0.548	0.30
227	0.753	0.30
225	0.738	0.30
223	0.740	0.30
221	0.736	0.30
219	0.521	0.40
217	0.626	0.40
215B	0.683	0.30
215A	0.663	0.30
213	0.671	0.30

PROPOSED CATCH BASINS (RIGHT)		
INLET	A (acre)	C
277B	0.388	0.80
277A	-	-
275	0.340	0.70
273B	0.530	0.25
273A	0.562	0.25
271	0.385	0.25
269B	0.605	0.25
269A	0.556	0.25
267	0.641	0.30
265	0.773	0.30
263	0.466	0.30
261	0.064	0.30
259	0.116	0.30
257	0.563	0.30
255	0.239	0.30
253	0.331	0.40

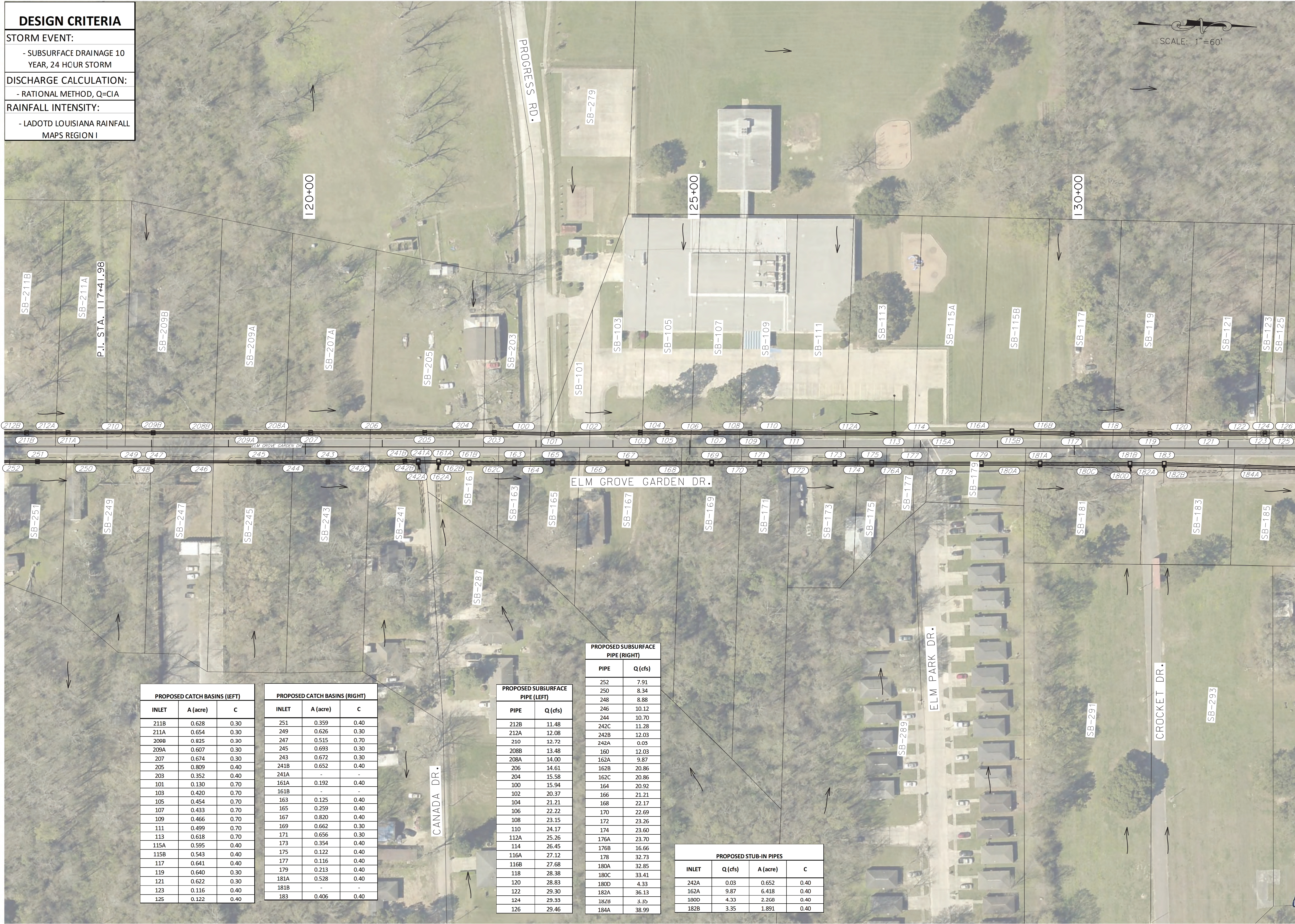
PROPOSED SUBSURFACE PIPE (LEFT)	
PIPE	Q (cfs)
240	1.41
238	1.22
236	1.22
234	2.47
232	3.44
230B	3.84
230A	4.38
228	4.96
226	5.78
224	6.54
222	7.30
220	8.04
218	8.76
216B	9.57
216A	10.25
214	10.90
212B	11.48

PROPOSED SUBSURFACE PIPE (RIGHT)	
PIPE	Q (cfs)
280	0.06
278	1.43
278A	0.06
276	1.48
274	2.46
272B	2.92
272A	3.47
270	3.83
268B	4.39
268A	4.90
266	5.55
264	6.38
262	6.80
260	6.82
258	6.92
256	7.43
254	7.53
252	7.91

STATE OF LOUISIANA
 CHRISTOPHER D. GUILBEAU
 License No. 30534
 PROFESSIONAL ENGINEER
 12-01-21

SHEET NUMBER		015	
DESIGN DRAINAGE MAP		ELM GROVE GARDEN PED IMPROVEMENTS	
DESIGNED / CHECKED	DCH / KDM	DATE	NO.
12/01/2021	12/01/2021		
REVISION DESCRIPTION		DATE	BY
PARISH		EAST BATON ROUGE PARISH	
CITY PROJECT		17-SW-US-0029	
STATE PROJECT			
SCALE		1"=60'	
PROJECT			
PROJECT			

DESIGN CRITERIA	
STORM EVENT:	
- SUBSURFACE DRAINAGE 10 YEAR, 24 HOUR STORM	
DISCHARGE CALCULATION:	
- RATIONAL METHOD, Q=CIA	
RAINFALL INTENSITY:	
- LADOTD LOUISIANA RAINFALL MAPS REGION I	



PROPOSED CATCH BASINS (LEFT)		
INLET	A (acre)	C
211B	0.628	0.30
211A	0.654	0.30
209B	0.825	0.30
209A	0.607	0.30
207	0.674	0.30
205	0.809	0.40
203	0.352	0.40
101	0.130	0.70
103	0.420	0.70
105	0.454	0.70
107	0.433	0.70
109	0.466	0.70
111	0.499	0.70
113	0.618	0.70
115A	0.595	0.40
115B	0.543	0.40
117	0.641	0.40
119	0.640	0.30
121	0.622	0.30
123	0.116	0.40
125	0.122	0.40

PROPOSED CATCH BASINS (RIGHT)		
INLET	A (acre)	C
251	0.359	0.40
249	0.626	0.30
247	0.515	0.70
245	0.693	0.30
243	0.672	0.30
241B	0.652	0.40
241A	-	-
161A	0.192	0.40
161B	-	-
163	0.125	0.40
165	0.259	0.40
167	0.820	0.40
169	0.662	0.30
171	0.656	0.30
173	0.354	0.40
175	0.122	0.40
177	0.116	0.40
179	0.213	0.40
181A	0.528	0.40
181B	-	-
183	0.406	0.40

PROPOSED SUBSURFACE PIPE (LEFT)	
PIPE	Q (cfs)
212B	11.48
212A	12.08
210	12.72
208B	13.48
208A	14.00
206	14.61
204	15.58
100	15.94
102	20.37
104	21.21
106	22.22
108	23.15
110	24.17
112A	25.26
114	26.45
116A	27.12
116B	27.68
118	28.38
120	28.83
122	29.30
124	29.33
126	29.46

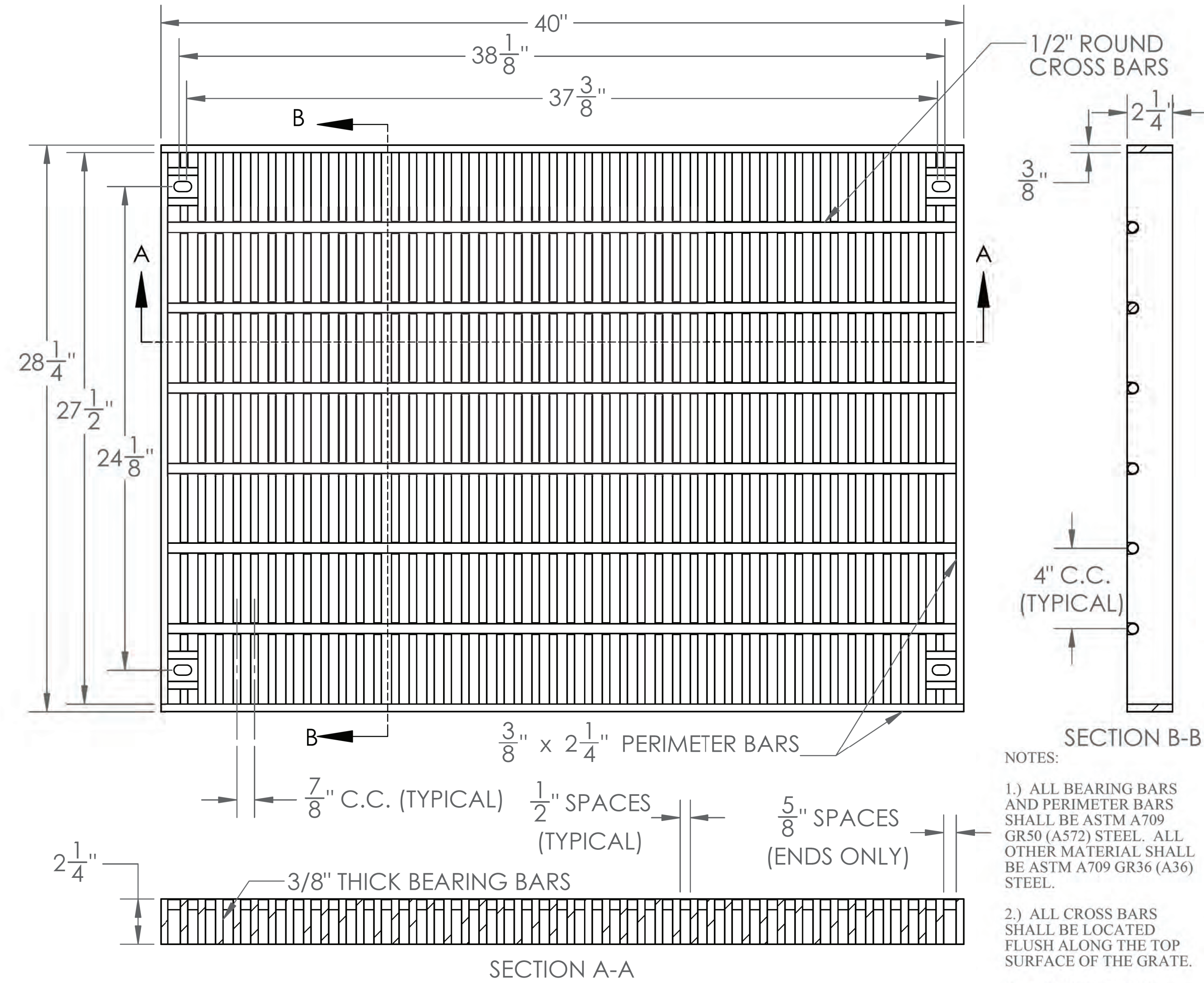
PROPOSED SUBSURFACE PIPE (RIGHT)	
PIPE	Q (cfs)
252	7.91
250	8.34
248	8.88
246	10.12
244	10.70
242C	11.28
242B	12.03
242A	0.03
160	12.03
162A	9.87
162B	20.86
162C	20.86
164	20.92
166	21.21
168	22.17
170	22.69
172	23.26
174	23.60
176A	23.70
176B	16.66
178	32.73
180A	32.85
180C	33.41
180D	4.33
182A	36.13
182B	3.35
184A	38.99

PROPOSED STUB-IN PIPES			
INLET	Q (cfs)	A (acre)	C
242A	0.03	0.652	0.40
162A	9.87	6.418	0.40
180D	4.33	2.268	0.40
182B	3.35	1.891	0.40



SHEET NUMBER		015a	
DESIGNED		DCH	
CHECKED		KDM	
DETAILED		CTR	
CHECKED		DCH	
DATE		12/01/2021	
SHEET		2 of 3	
PARISH		EAST BATON ROUGE PARISH	
CITY PROJECT		17-SW-US-0029	
STATE PROJECT			
NO.		DATE	
BY		REVISION DESCRIPTION	
DESIGN DRAINAGE MAP			
ELM GROVE GARDEN PED IMPROVEMENTS			

Galvanized Steel ADA Grate

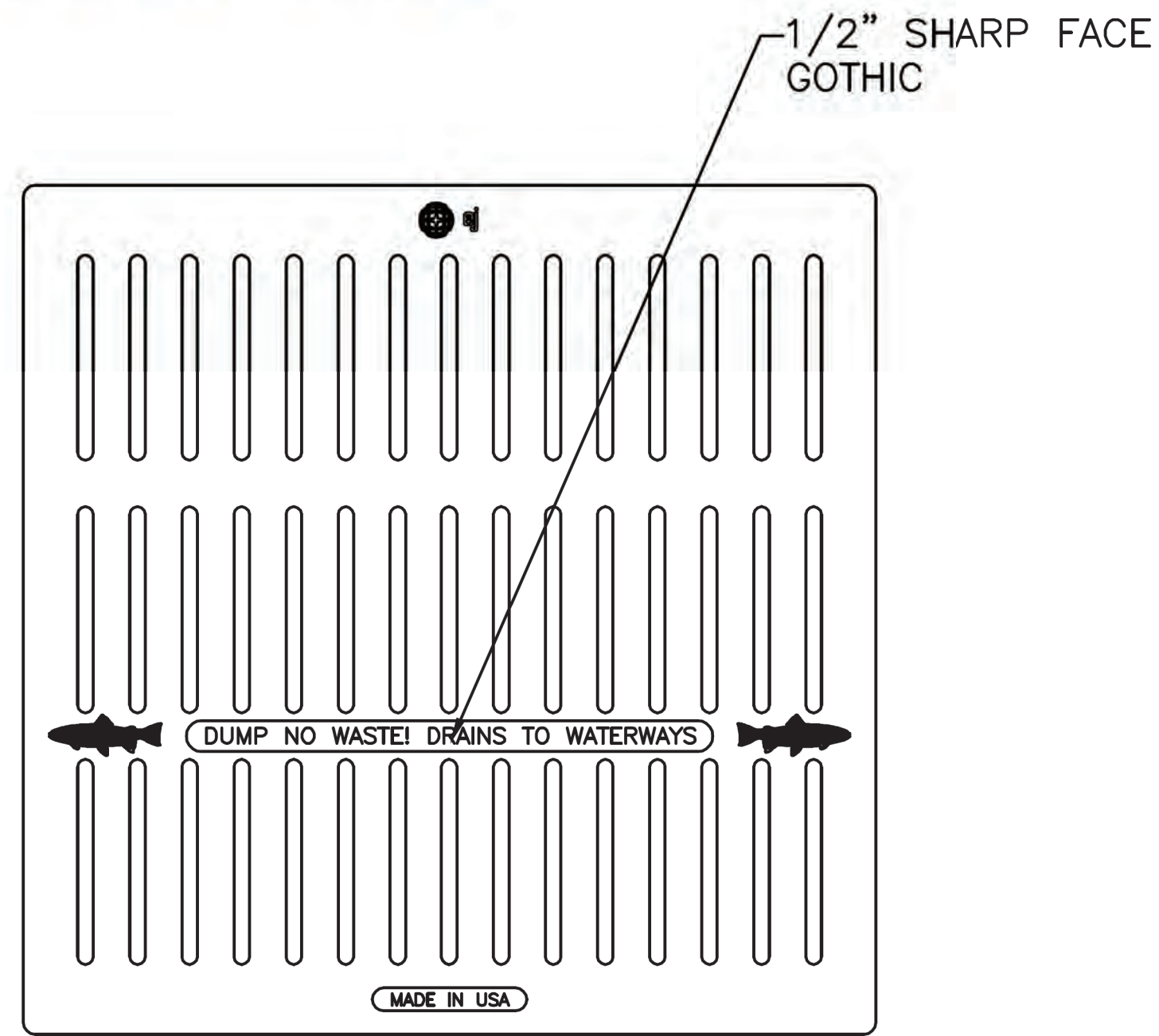


NOTE:
 TYPE 2 GRATE SHALL BE
 EJIW GLAV. STEEL ADA
 GRATE 72110230 OR
 APPROVED EQUAL.

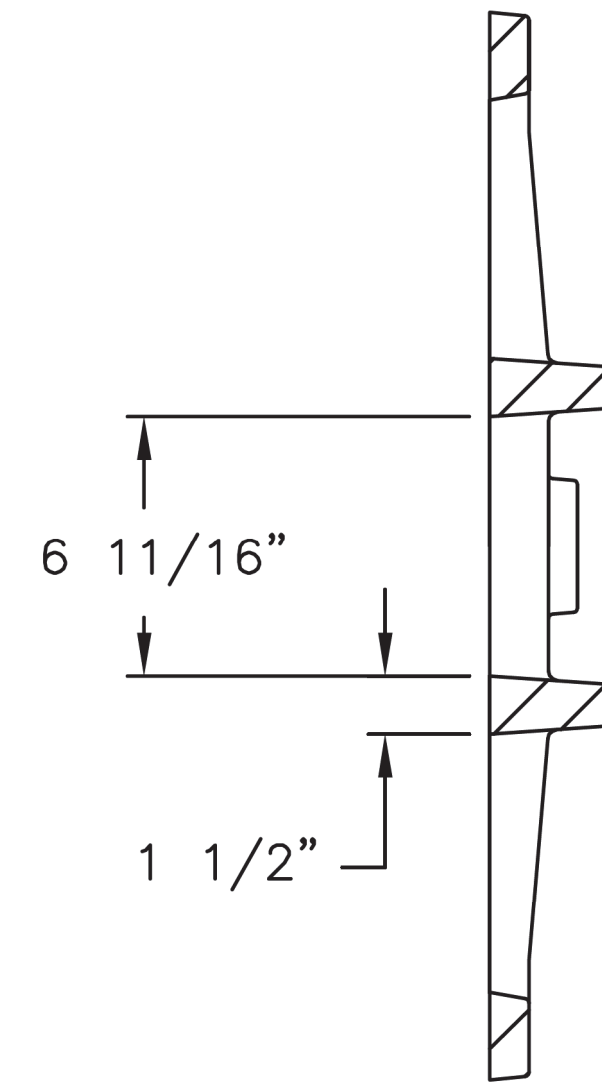


SHEET NUMBER		153	
PARISH		EAST BATON ROUGE PARISH	
CITY PROJECT		17-SW-US-0029	
STATE PROJECT			
DESIGNED	DCH	DATE	12/01/2021
CHECKED	KDM	SHEET	
DETAILED	CTR	NO.	
CHECKED	DCH	REVISION DESCRIPTION	BY
TYPE 2 ADA GRATE		ELM GROVE GARDEN PED IMPROVEMENTS	
BR		CITY OF BATON ROUGE	
BR		LICENSED PROFESSIONAL ENGINEER	

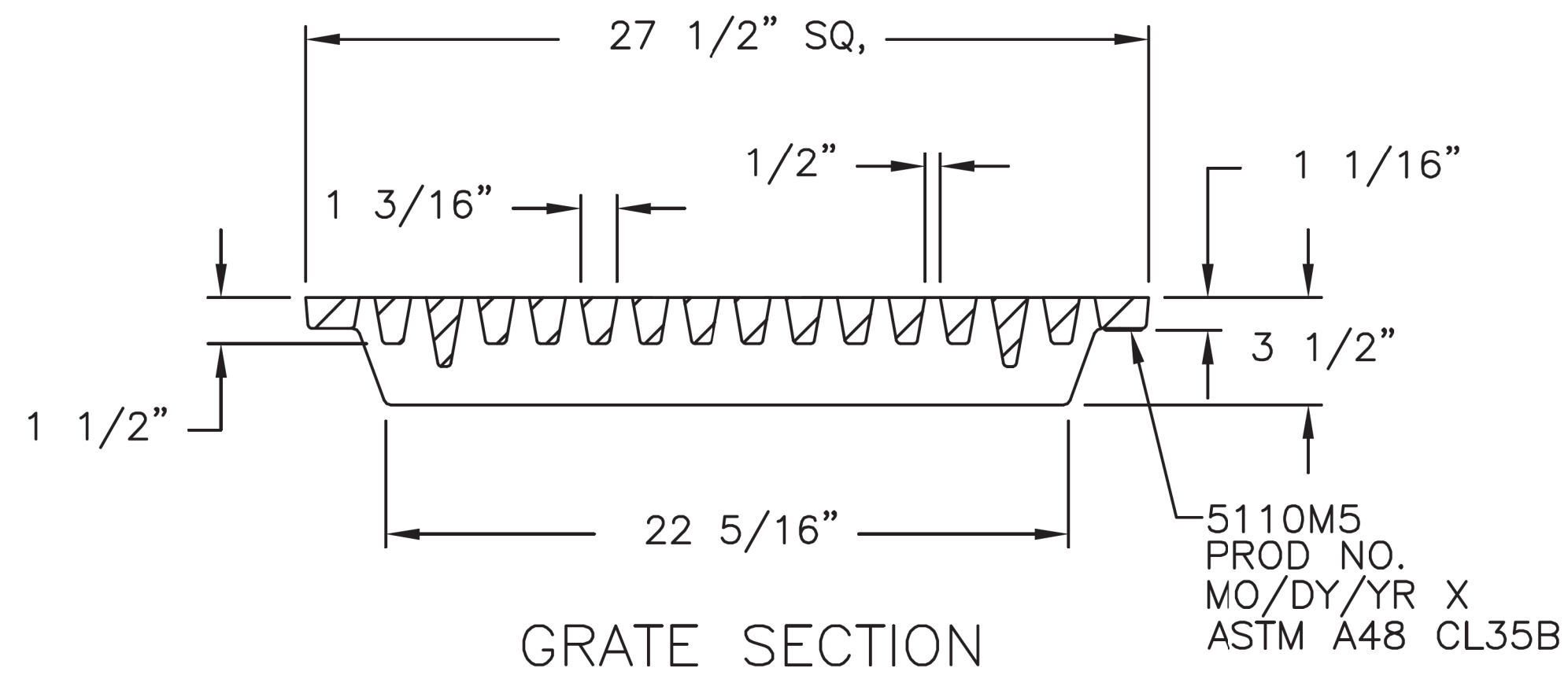
5110M5HD Grate



PLAN VIEW






GRATE SECTION



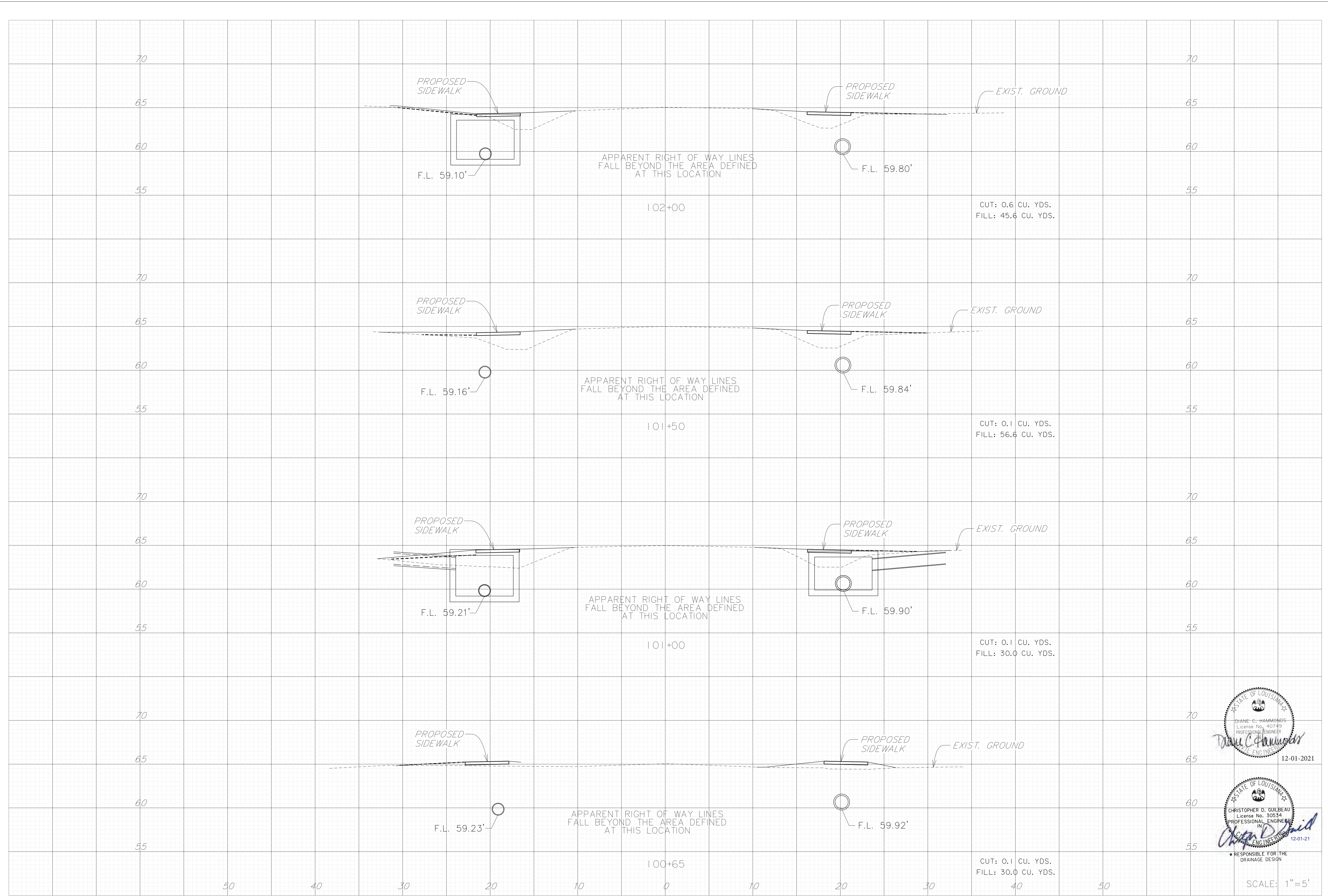
GRATE SECTION

NOTE:
 TYPE 3 GRATE SHALL BE
 EJIW 5110MH5HD OR
 APPROVED EQUAL.



SHEET NUMBER		154	
DESIGNED	DCH	PARISH	EAST BATON ROUGE PARISH
CHECKED	KDM	CITY PROJECT	17-SW-US-0029
DATE	12/01/2021	STATE PROJECT	
DETAILS	CTR		
CHECKED	DCH		
DATE	12/01/2021		
NO.		REVISION DESCRIPTION	BY
			
TYPE 3 ADA GRATE ELM GROVE GARDEN PED IMPROVEMENTS			
			
			

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Diane C. Hammond
 12-01-2021

STATE OF LOUISIANA
 CHRISTOPHER D. GULBEAU
 License No. 30534
 PROFESSIONAL ENGINEER
 IN
Chris D. Gulbeau
 12-01-21
 RESPONSIBLE FOR THE
 DRAINAGE DESIGN

SCALE: 1" = 5'

SHEET NUMBER	401
PARISH	EAST BATON ROUGE PARISH
CITY PROJECT	17-SW-US-0029
STATE PROJECT	
DESIGNED CHECKED	DCH KDM
DETAILED CHECKED	CTR DCH
DATE SHEET	12/01/2021
NO.	
DATE	
REVISION DESCRIPTION	
BY	

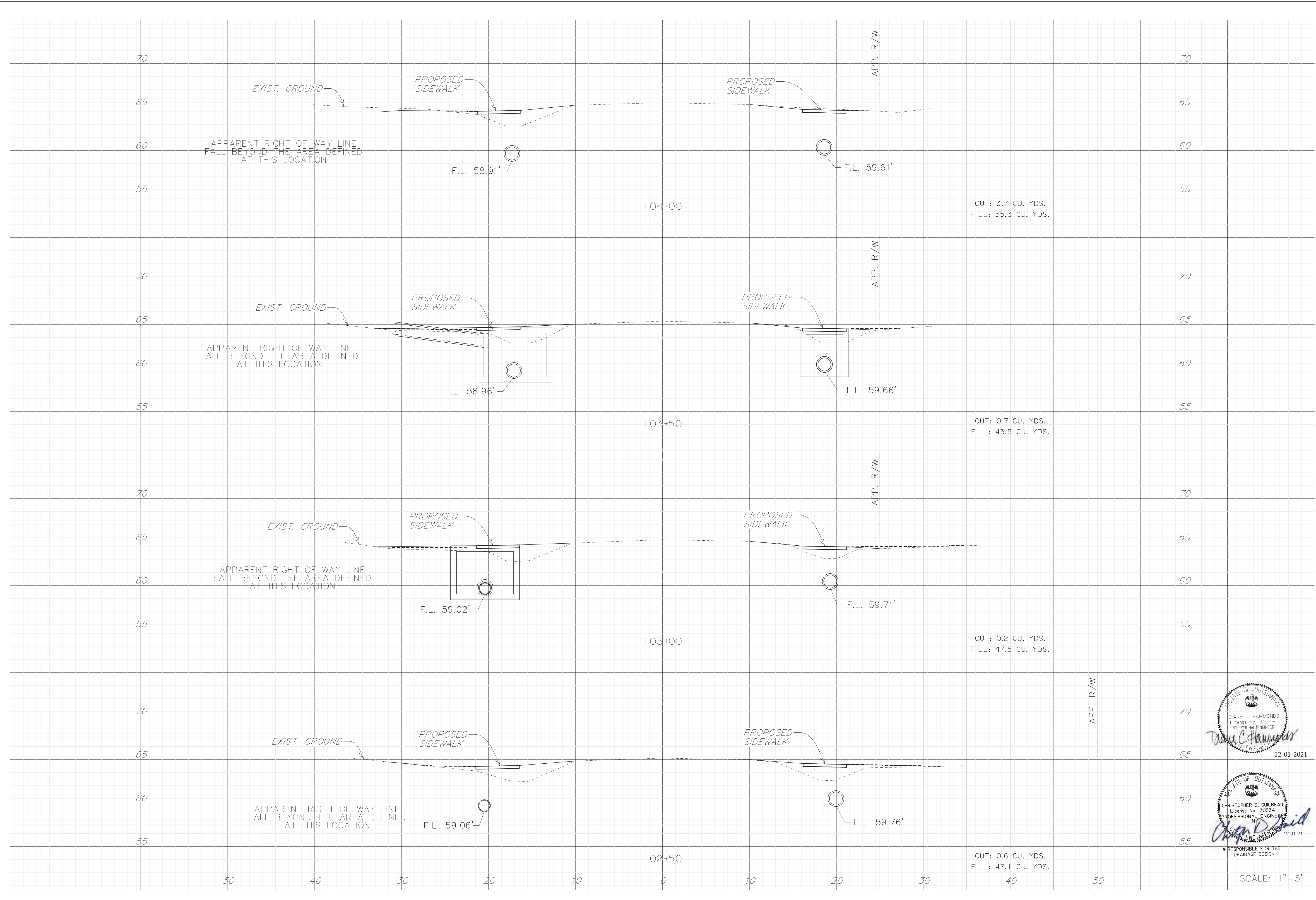
MOVEBR

CROSS SECTIONS

ELM GROVE GARDEN PED IMPROVEMENTS

BR
 CITY OF BATON ROUGE
 ENGINEER

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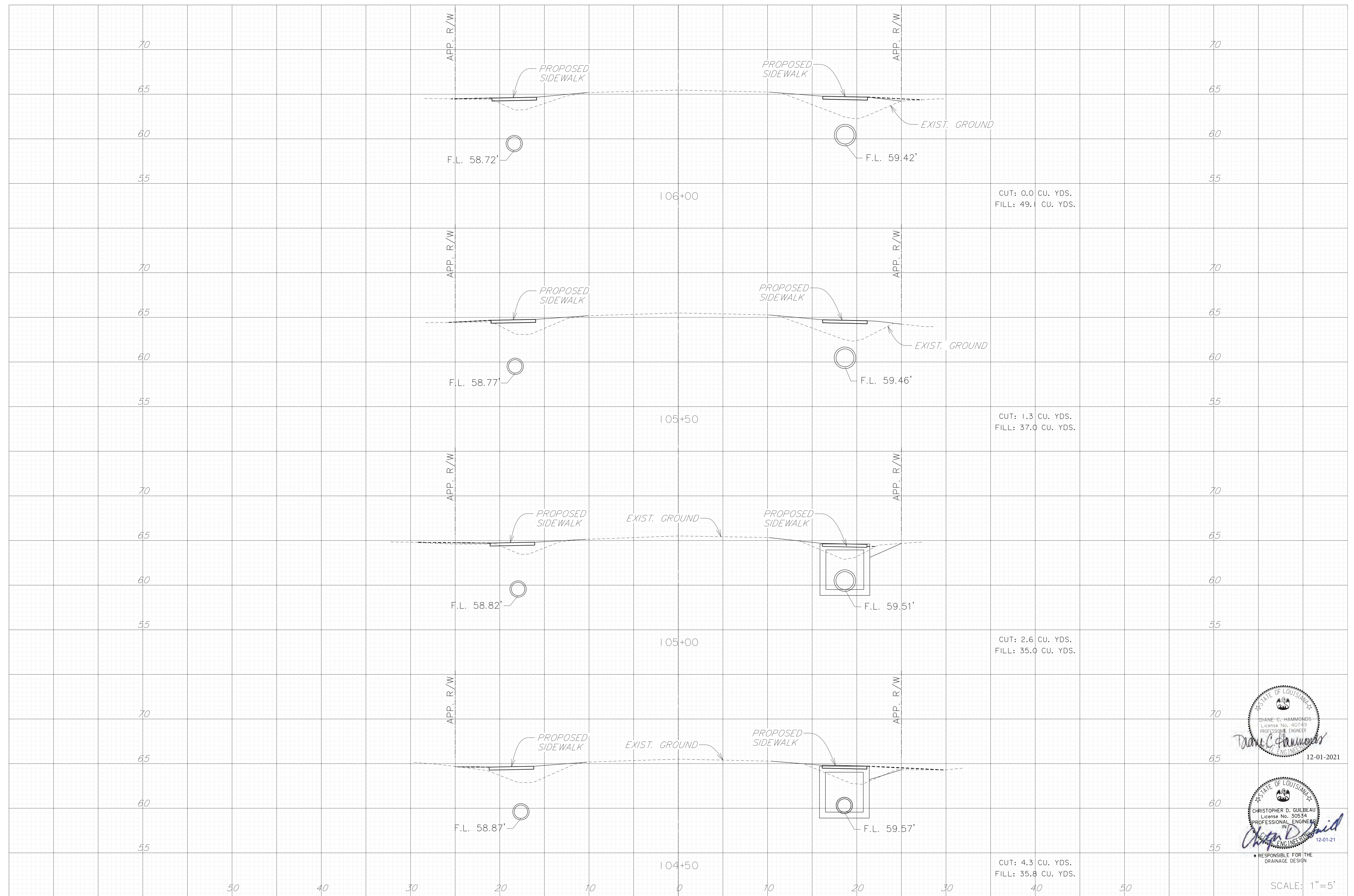
STATE OF LOUISIANA
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Diane C. Hammond
 12-01-2021

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 IN
Christopher D. Gulbeau
 12-01-21
 RESPONSIBLE FOR THE DRAINAGE DESIGN

SCALE: 1" = 5'

SHEET NUMBER		402	
PARISH		EAST BATON ROUGE PARISH	
CITY PROJECT		17-SW-US-0029	
STATE PROJECT			
DESIGNED	DCH	DATE	12/01/2021
CHECKED	KDM	SHEET	
DETAILED	CTR	NO.	
CHECKED	DCH	DATE	
REVISION DESCRIPTION		BY	
CROSS SECTIONS		ELM GROVE GARDEN PED IMPROVEMENTS	
BR		CITY OF BATON ROUGE	

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STATE OF LOUISIANA
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STATE OF LOUISIANA
 CHRISTOPHER D. GULBEAU
 License No. 30534
 PROFESSIONAL ENGINEER
 IN
 CIVIL ENGINEERING
 12-01-21

RESPONSIBLE FOR THE DRAINAGE DESIGN

SCALE: 1" = 5'

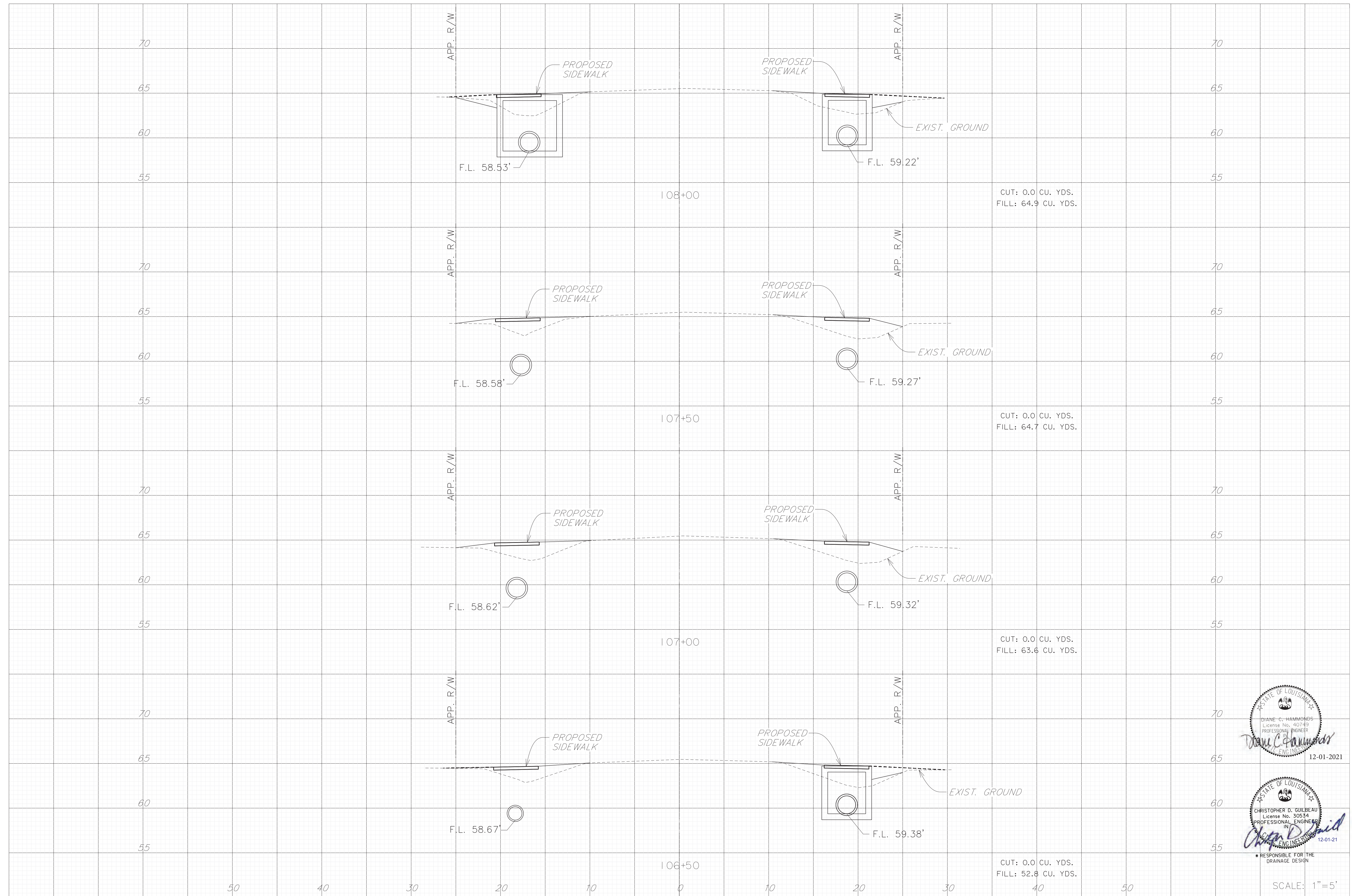
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PARISH	EAST BATON ROUGE PARISH
CITY PROJECT	17-SW-US-0029
STATE PROJECT	
DESIGNED	DCH
CHECKED	KDM
DATE	12/01/2021
DESIGNED	DCH
CHECKED	CTR
DATE	12/01/2021
NO.	
DATE	
REVISION DESCRIPTION	
BY	

CROSS SECTIONS

ELM GROVE GARDEN PED IMPROVEMENTS

BR
 CITY OF BATON ROUGE

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STATE OF LOUISIANA
 DIANE C. HAMMONDS
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 12-01-21

RESPONSIBLE FOR THE DRAINAGE DESIGN

SCALE: 1" = 5'

SHEET NUMBER 404

EAST BATON ROUGE PARISH
 CITY PROJECT 17-SW-US-0029
 STATE PROJECT

DESIGNED DCH
 CHECKED KDM
 DETAILED CTR
 CHECKED DCH
 DATE 12/01/2021
 SHEET

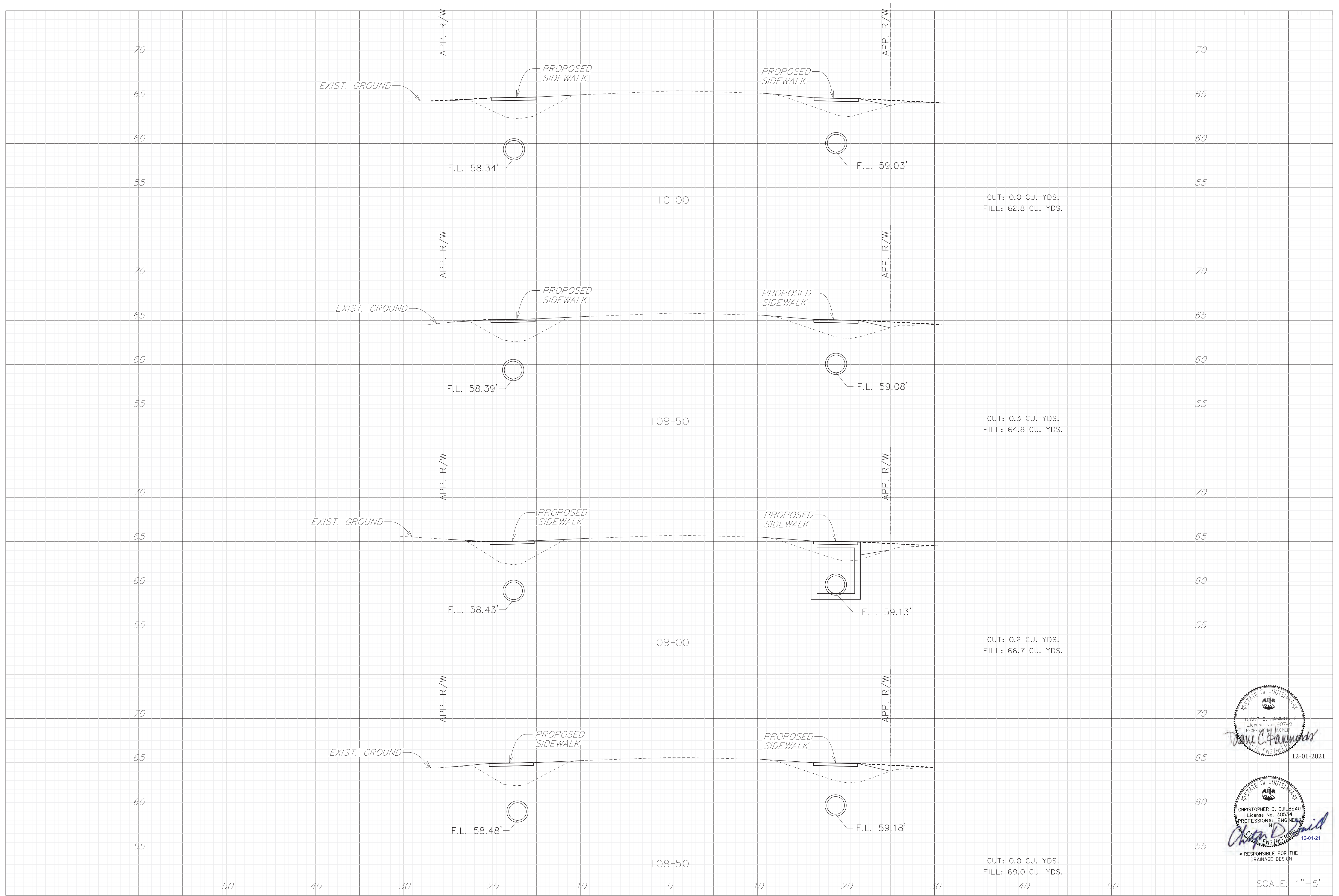
NO.	DATE	REVISION DESCRIPTION	BY



CROSS SECTIONS
 ELM GROVE GARDEN PED IMPROVEMENTS



\$\$this is the pathname including directory path and design file name\$\$



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 12-01-2021

STATE OF LOUISIANA
 CHRISTOPHER D. GULBEAU
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 12-01-21
 RESPONSIBLE FOR THE
 DRAINAGE DESIGN

SCALE: 1"=5'

SHEET NUMBER 405

EAST BATON ROUGE PARISH
 CITY PROJECT 17-SW-US-0029
 STATE PROJECT

DESIGNED DCH
 CHECKED KDM
 DETAILED CTR
 CHECKED DCH
 DATE 12/01/2021
 SHEET

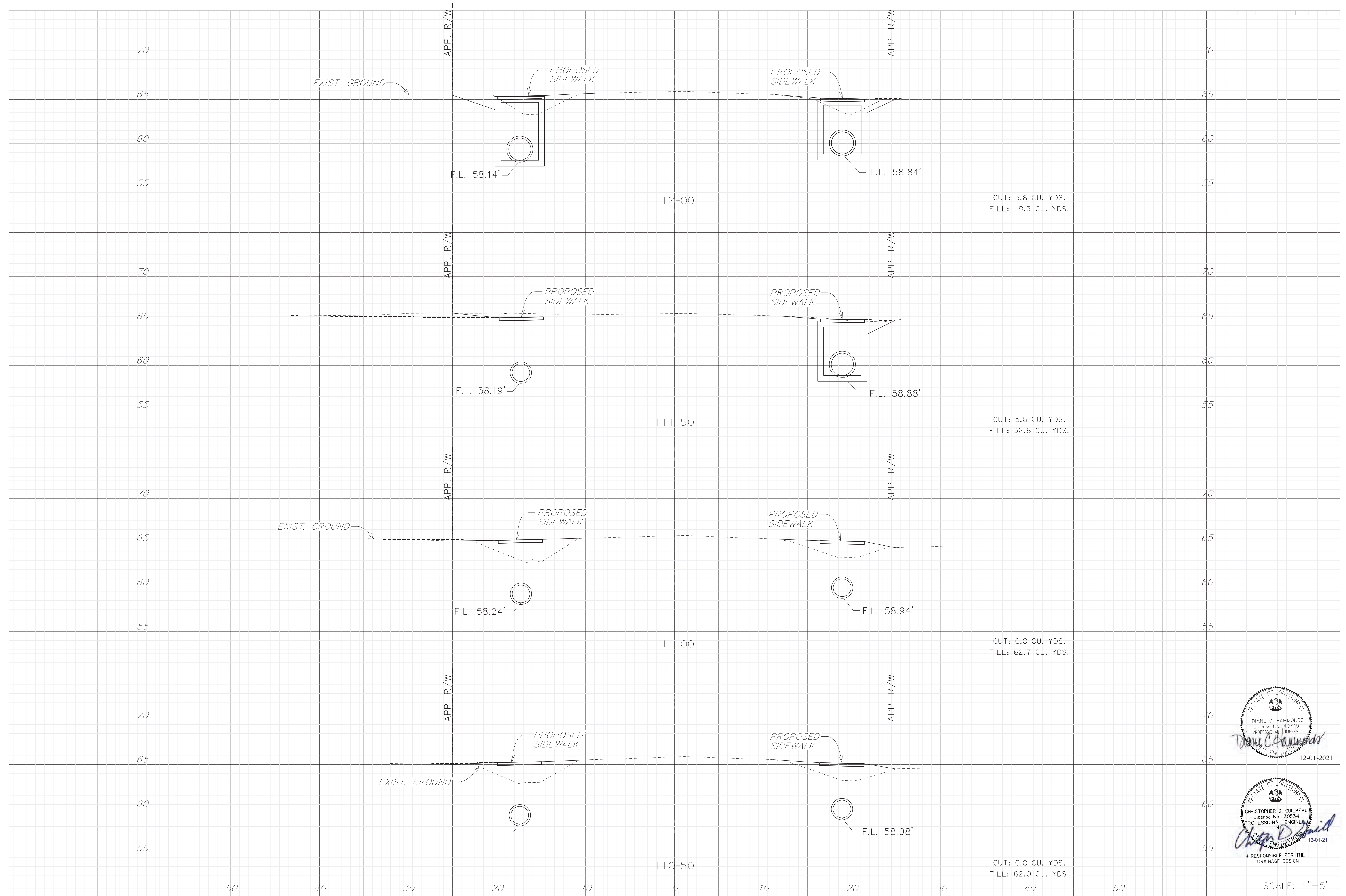
NO.	DATE	REVISION DESCRIPTION	BY



CROSS SECTIONS
 ELM GROVE GARDEN PED IMPROVEMENTS



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 12-01-2021

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 CHRISTOPHER D. GULBEAU
 License No. 30534
 PROFESSIONAL ENGINEER
 IN
Christopher D. Gulbeau
 12-01-21

RESPONSIBLE FOR THE DRAINAGE DESIGN
 SCALE: 1" = 5'

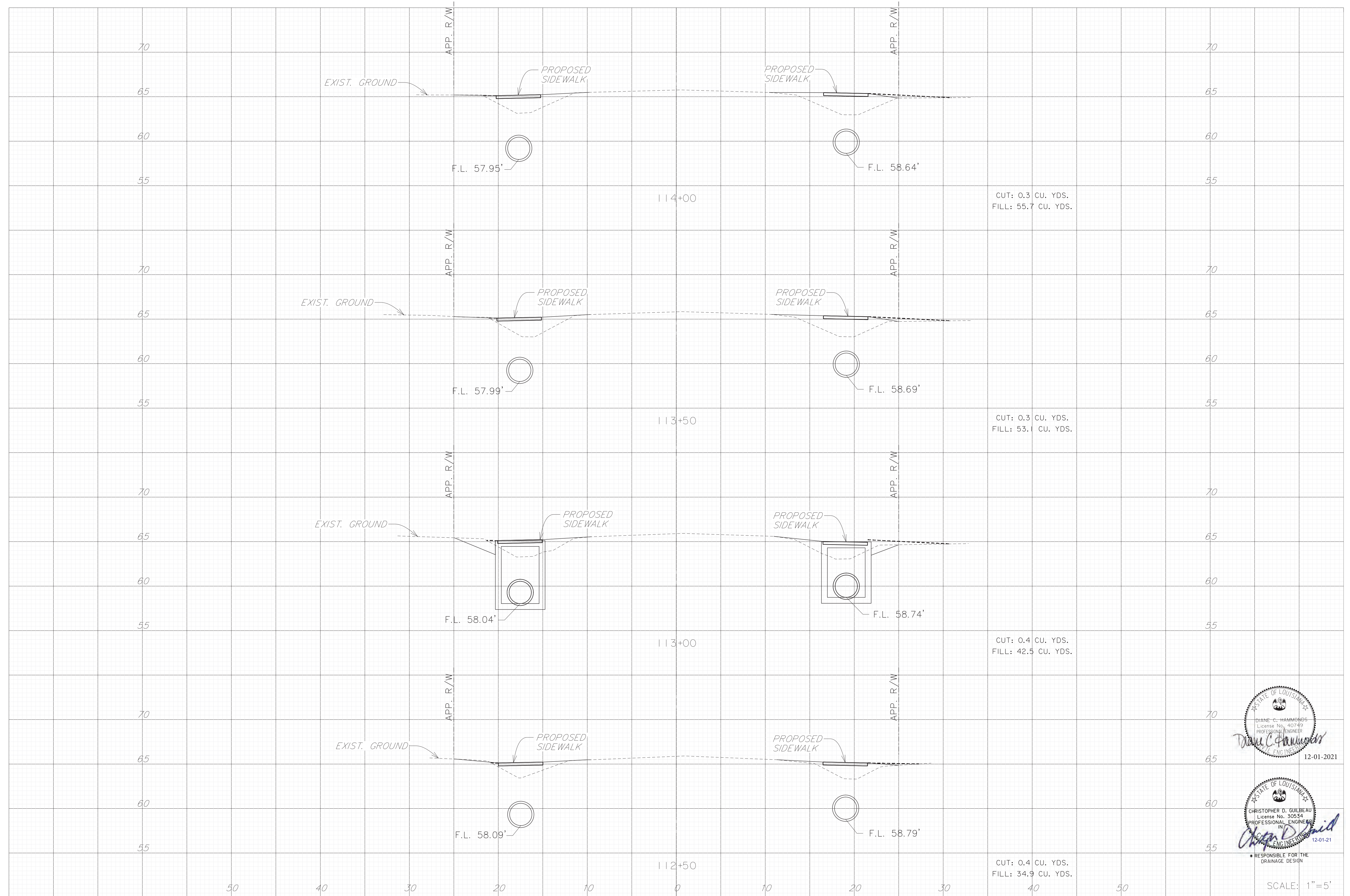
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DESIGNED	DCH
CHECKED	KDM
DATE	12/01/2021
PARISH	EAST BATON ROUGE PARISH
CITY PROJECT	17-SW-US-0029
STATE PROJECT	
NO.	
DATE	
REVISION DESCRIPTION	
BY	



CROSS SECTIONS
 ELM GROVE GARDEN PED IMPROVEMENTS



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STATE OF LOUISIANA
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Diane C. Hammonds
 12-01-2021

STATE OF LOUISIANA
 CHRISTOPHER D. GULBEAU
 License No. 30534
 PROFESSIONAL ENGINEER
Chris D. Gulbeau
 12-01-21

RESPONSIBLE FOR THE DRAINAGE DESIGN

SCALE: 1" = 5'

SHEET NUMBER 407

PARISH EAST BATON ROUGE PARISH
 CITY PROJECT 17-SW-US-0029
 STATE PROJECT

DESIGNED DCH
 CHECKED KDM
 DETAILED CTR
 CHECKED DCH
 DATE 12/01/2021
 SHEET

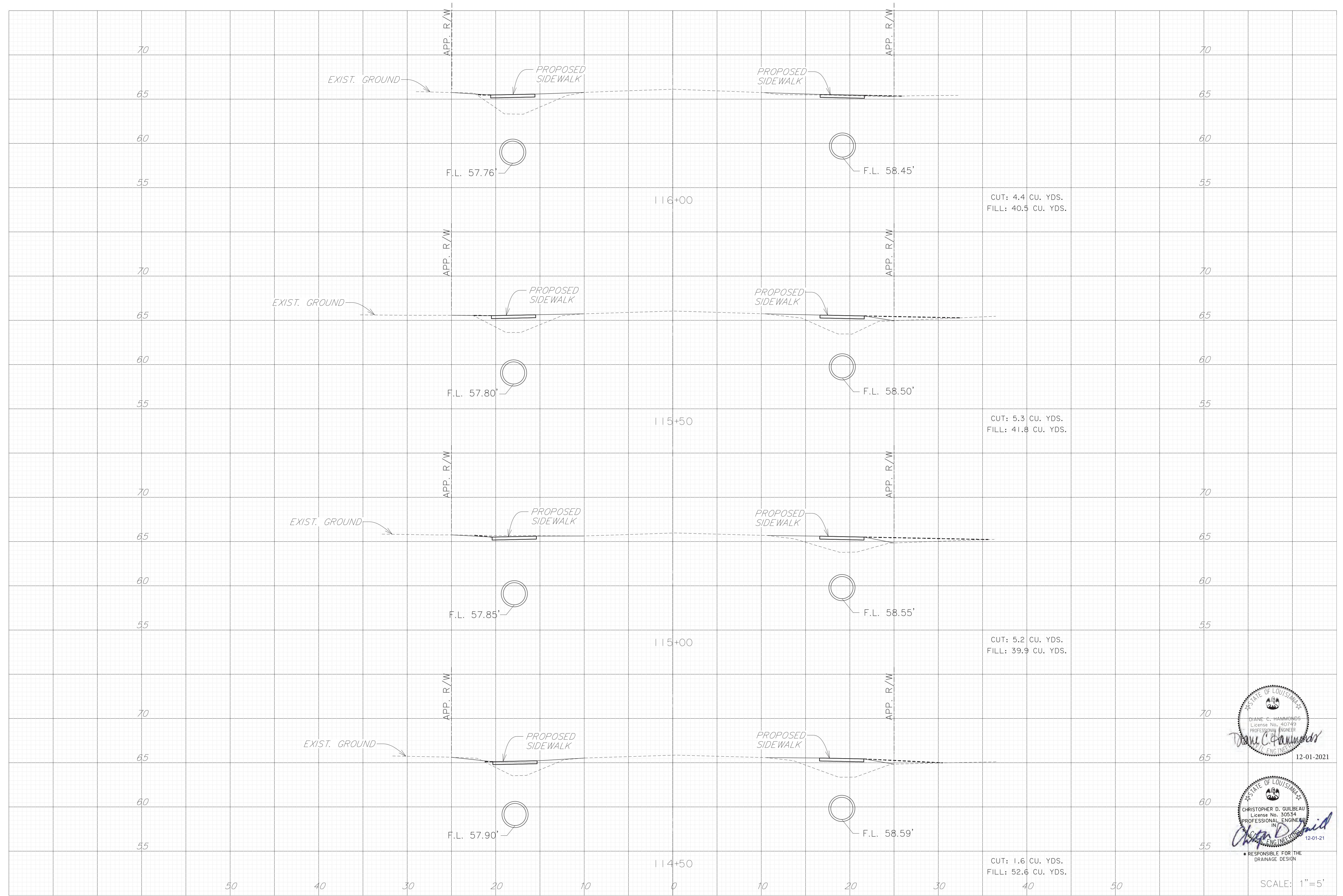
NO.	DATE	REVISION DESCRIPTION	BY



CROSS SECTIONS
 ELM GROVE GARDEN PED IMPROVEMENTS



\$\$this is the pathname including directory path and design file name\$\$



STATE OF LOUISIANA
 DIANE C. HAMMONDS
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Diane C. Hammonds
 12-01-2021

STATE OF LOUISIANA
 CHRISTOPHER D. GULBEAU
 License No. 30534
 PROFESSIONAL ENGINEER
 IN
Christopher D. Gulbeau
 12-01-21
 RESPONSIBLE FOR THE DRAINAGE DESIGN

SCALE: 1"=5'

SHEET NUMBER 408

EAST BATON ROUGE PARISH
 CITY PROJECT 17-SW-US-0029
 PARISH PROJECT STATE PROJECT

DESIGNED DCH
 CHECKED KDM
 DETAILED CTR
 CHECKED DCH
 DATE 12/01/2021
 SHEET

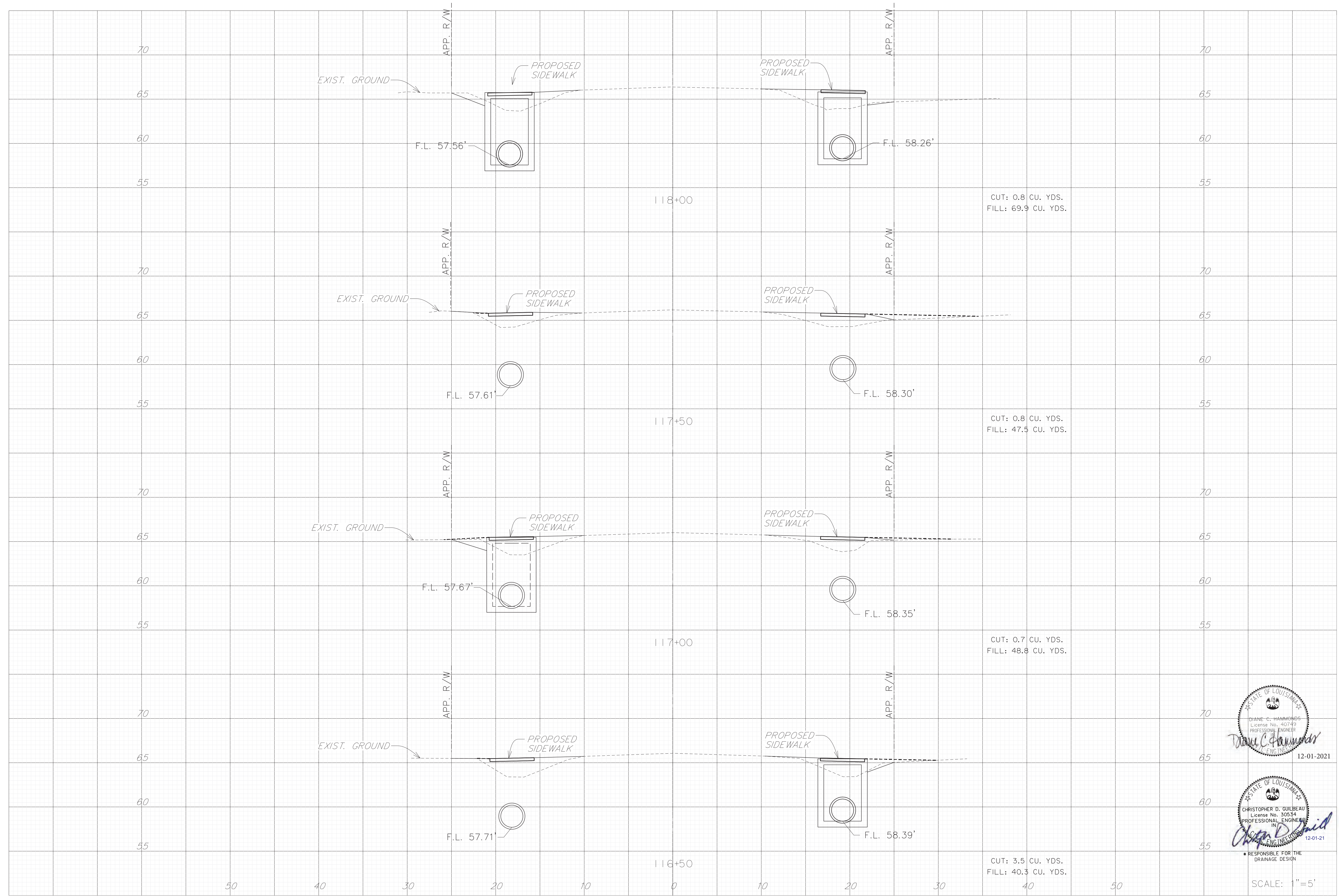
NO.	DATE	REVISION DESCRIPTION	BY



CROSS SECTIONS
 ELM GROVE GARDEN PED IMPROVEMENTS



\$\$this is the pathname including directory path and design file name\$\$



STATE OF LOUISIANA
 DIANE C. HAMMONDS
 License No. 40749
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 IN
 CIVIL ENGINEERING
 12-01-2021

STATE OF LOUISIANA
 CHRISTOPHER D. GULBEAU
 License No. 30534
 PROFESSIONAL ENGINEER
 IN
 CIVIL ENGINEERING
 12-01-21
 RESPONSIBLE FOR THE
 DRAINAGE DESIGN

SCALE: 1" = 5'

SHEET NUMBER 409

PARISH EAST BATON ROUGE PARISH
 CITY PROJECT 17-SW-US-0029
 STATE PROJECT

DESIGNED DCH
 CHECKED KDM
 DETAILED CTR
 CHECKED DCH
 DATE 12/01/2021
 SHEET

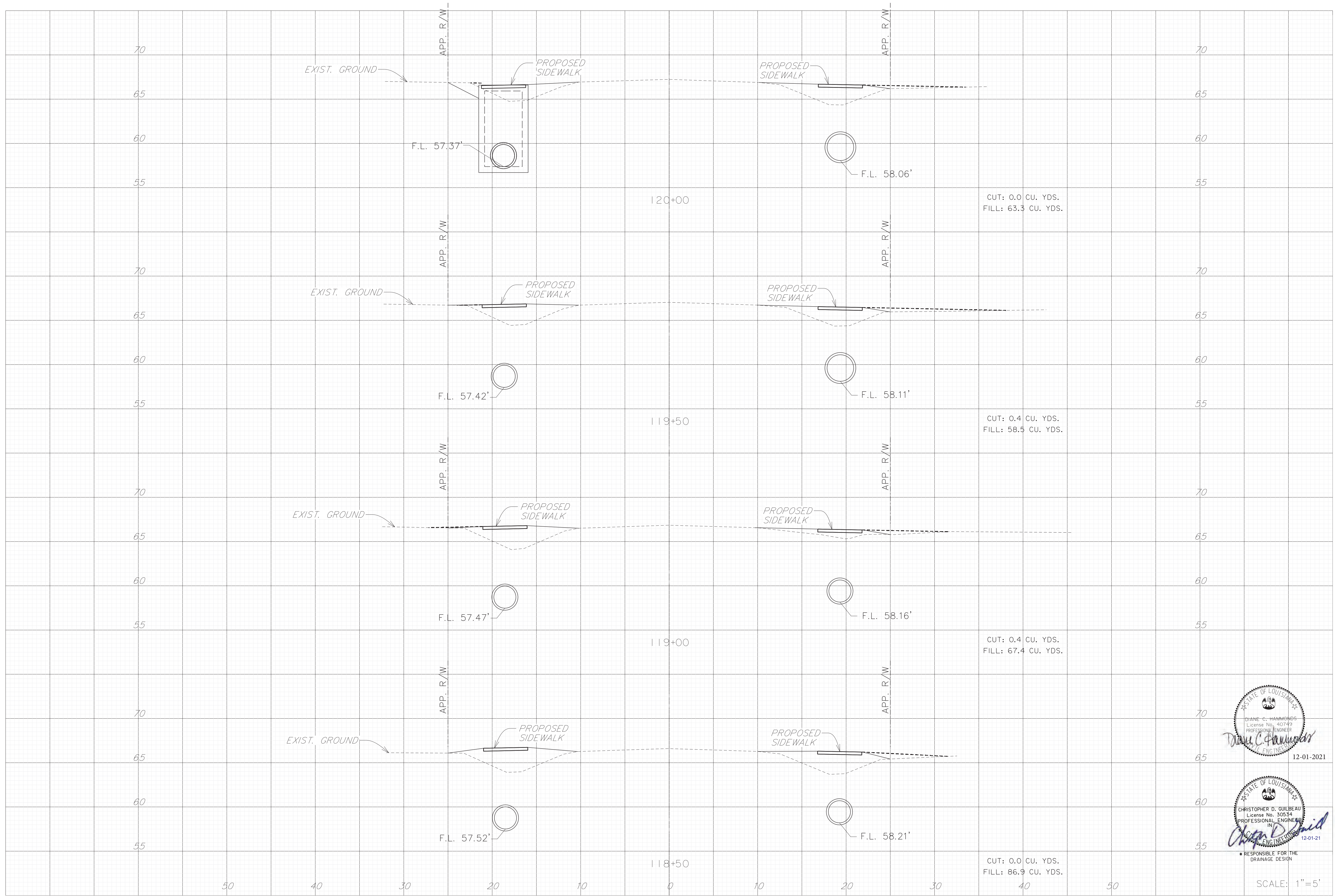
NO.	DATE	REVISION DESCRIPTION	BY



CROSS SECTIONS
 ELM GROVE GARDEN PED IMPROVEMENTS



\$\$this is the pathname including directory path and design file name\$\$



STATE OF LOUISIANA
 DIANE C. HAMMONDS
 License No. 40749
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 IN
 CIVIL ENGINEERING
 12-01-2021

STATE OF LOUISIANA
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 License No. 30534
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 IN
 CIVIL ENGINEERING
 12-01-21
 RESPONSIBLE FOR THE
 DRAINAGE DESIGN

SCALE: 1" = 5'

SHEET NUMBER 410

PARISH EAST BATON ROUGE PARISH
 CITY PROJECT 17-SW-US-0029
 STATE PROJECT

DESIGNED DCH
 CHECKED KDM
 DETAILED CTR
 CHECKED DCH
 DATE 12/01/2021
 SHEET

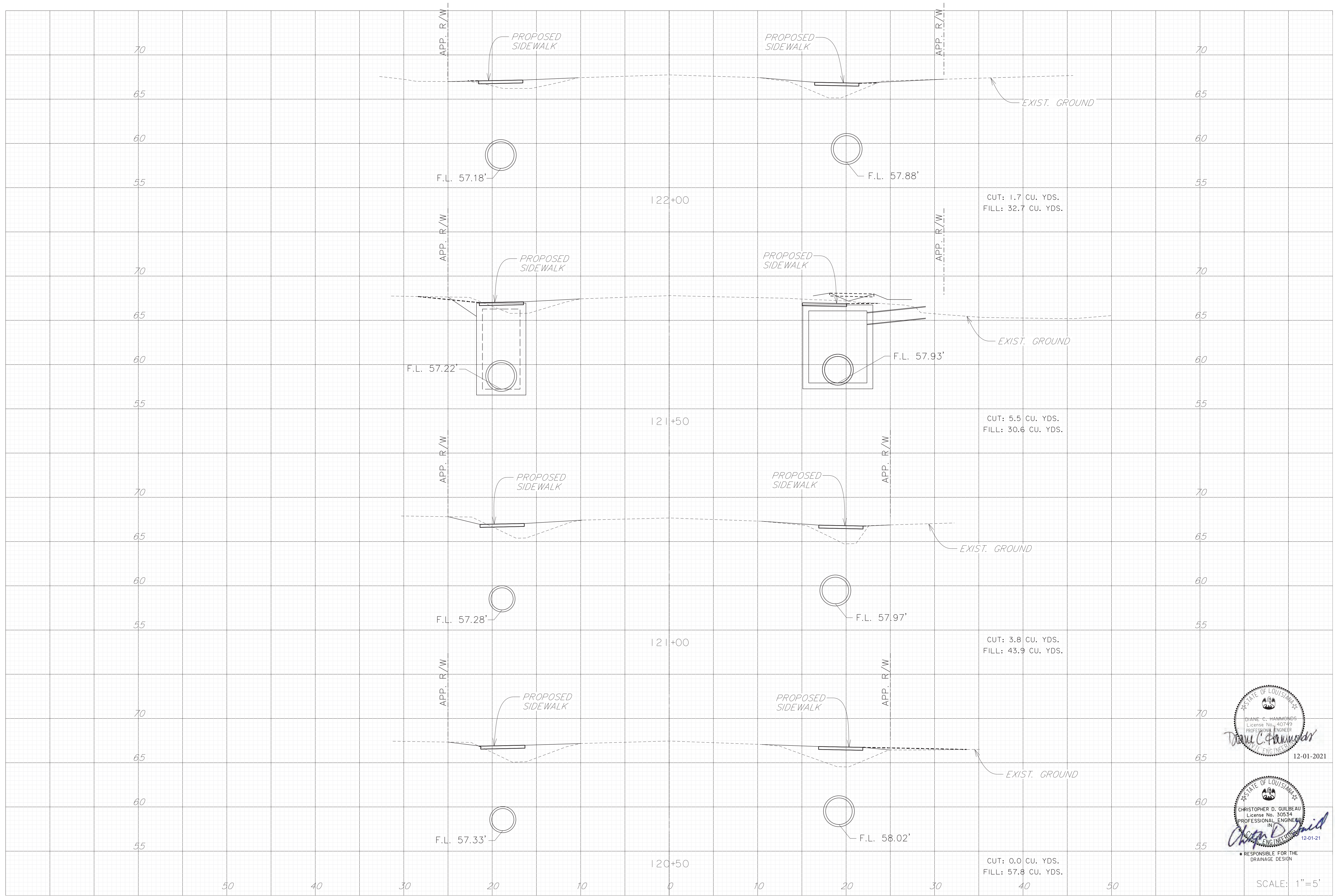
NO.	DATE	REVISION DESCRIPTION	BY



CROSS SECTIONS
 ELM GROVE GARDEN PED IMPROVEMENTS



\$\$this is the pathname including directory path and design file name\$\$



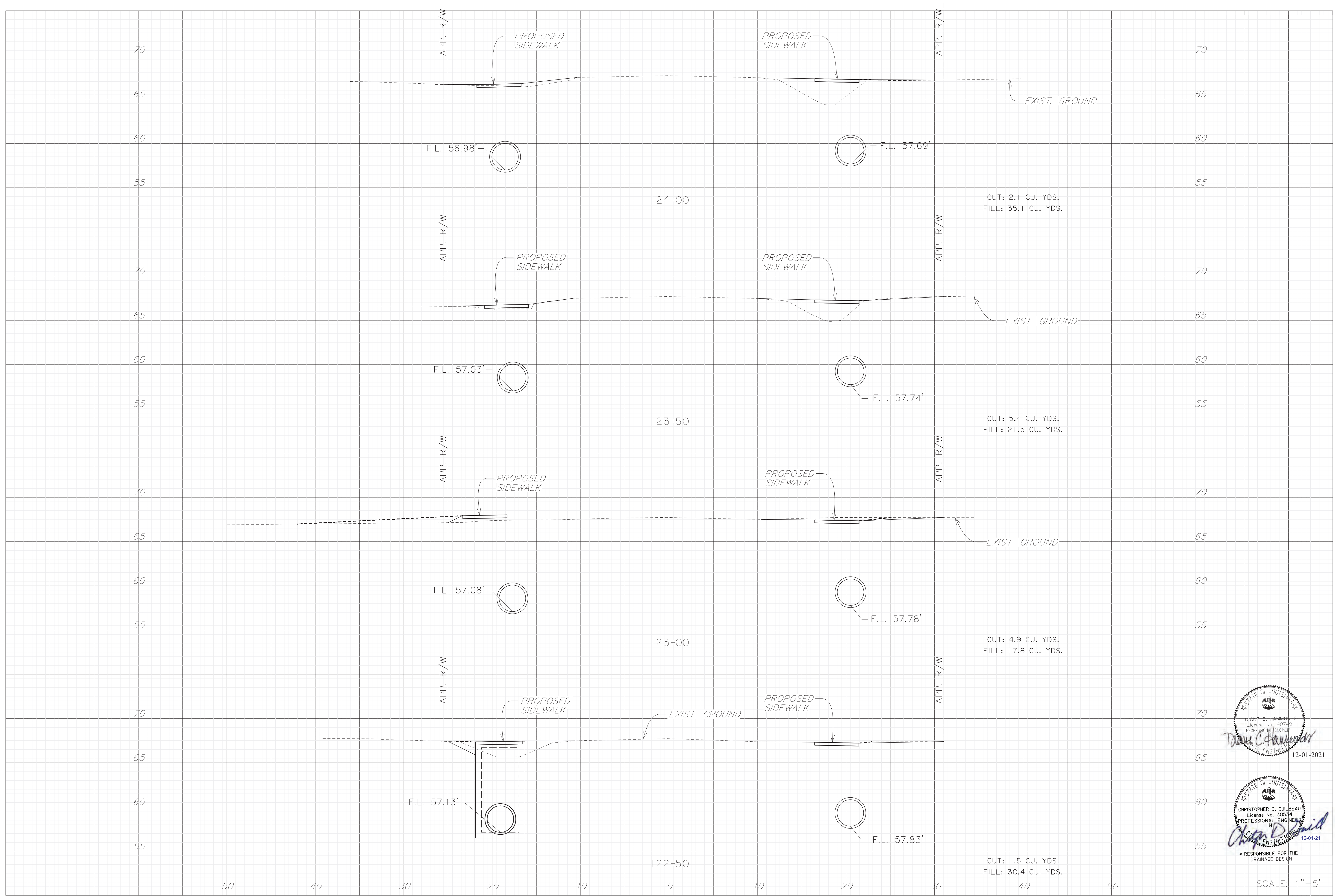
STATE OF LOUISIANA
 DIANE C. HAMMONDS
 License No. 40749
 PROFESSIONAL ENGINEER
 12-01-2021

STATE OF LOUISIANA
 CHRISTOPHER D. GULBEAU
 License No. 30534
 PROFESSIONAL ENGINEER
 IN
 CIVIL ENGINEERING
 12-01-21
 RESPONSIBLE FOR THE DRAINAGE DESIGN

SCALE: 1" = 5'

SHEET NUMBER	411
PARISH	EAST BATON ROUGE PARISH
CITY PROJECT	17-SW-US-0029
STATE PROJECT	
DESIGNED	DCH
CHECKED	KDM
DETAILED	CTR
CHECKED	DCH
DATE	12/01/2021
SHEET	
NO.	
DATE	
BY	
REVISION DESCRIPTION	
CROSS SECTIONS ELM GROVE GARDEN PED IMPROVEMENTS	

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Christopher D. Gulbeau
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SCALE: 1" = 5'

SHEET NUMBER	412
PARISH	EAST BATON ROUGE PARISH
CITY PROJECT	17-SW-US-0029
STATE PROJECT	
DESIGNED / CHECKED	DCH / KDM
DETAILED / CHECKED	CTR / DCH
DATE / SHEET	12/01/2021
NO.	
DATE	
REVISION DESCRIPTION	
BY	

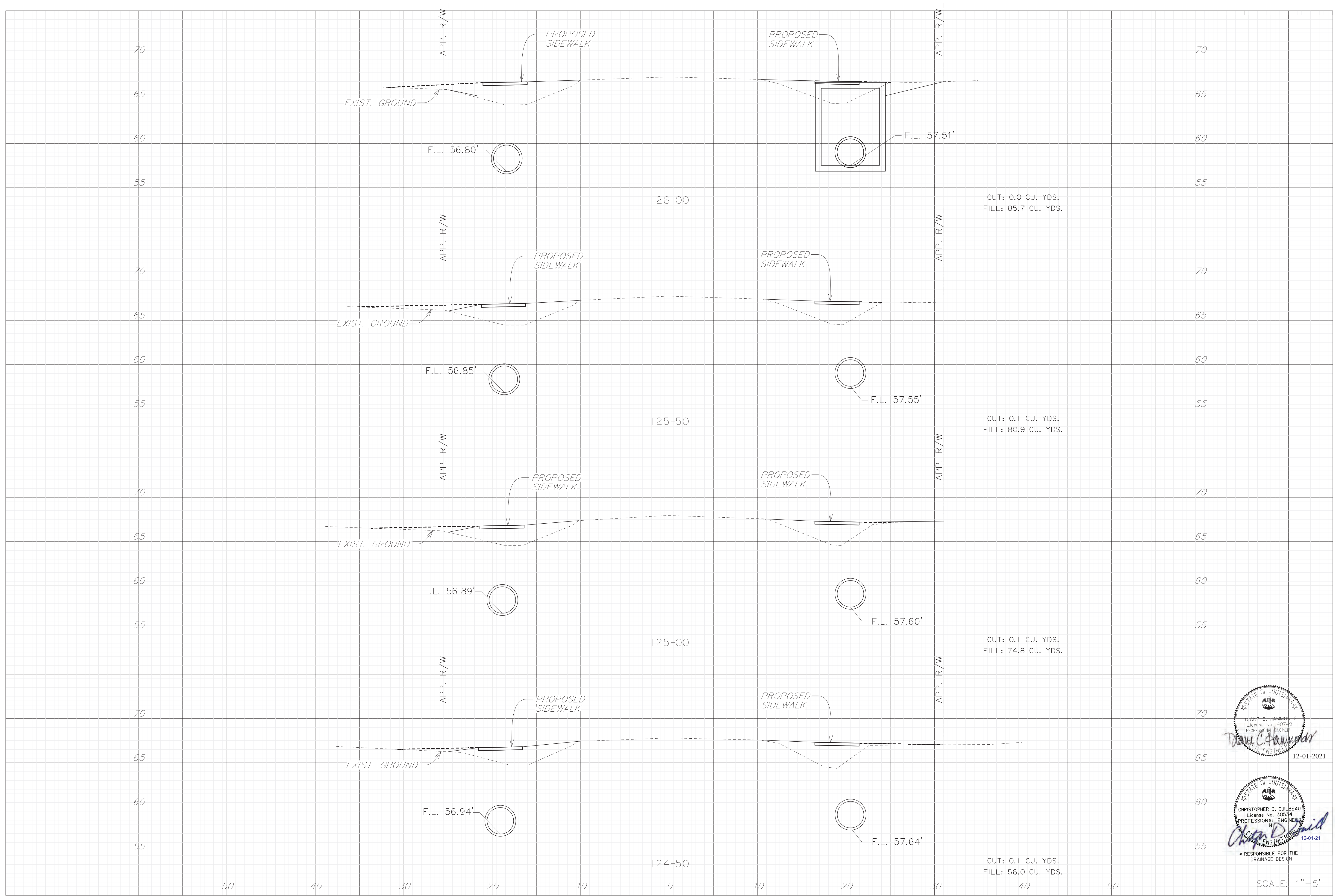
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CROSS SECTIONS

ELM GROVE GARDEN PED IMPROVEMENTS

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 CITY OF BATON ROUGE
 ENGINEER

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SCALE: 1" = 5'

SHEET NUMBER 413

PARISH EAST BATON ROUGE PARISH
 CITY PROJECT 17-SW-US-0029
 STATE PROJECT

DESIGNED DCH
 CHECKED KDM
 DETAILED CTR
 CHECKED DCH
 DATE 12/01/2021
 SHEET

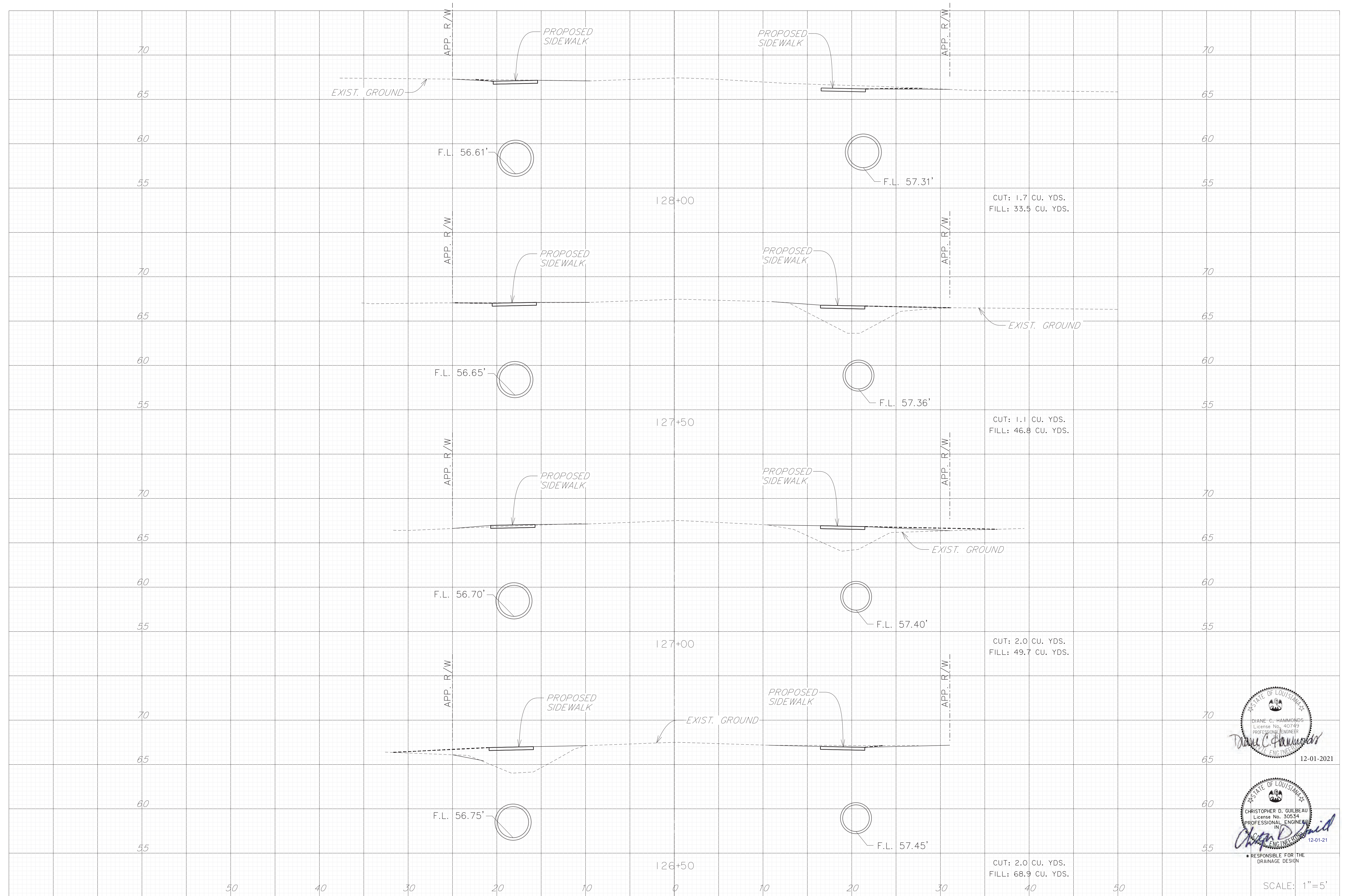
NO.	DATE	REVISION DESCRIPTION	BY



CROSS SECTIONS
 ELM GROVE GARDEN PED IMPROVEMENTS



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SCALE: 1"=5'

SHEET NUMBER 414

EAST BATON ROUGE PARISH
 CITY PROJECT 17-SW-US-0029
 STATE PROJECT

DESIGNED DCH
 CHECKED KDM
 DETAILED CTR
 CHECKED DCH
 DATE 12/01/2021
 SHEET

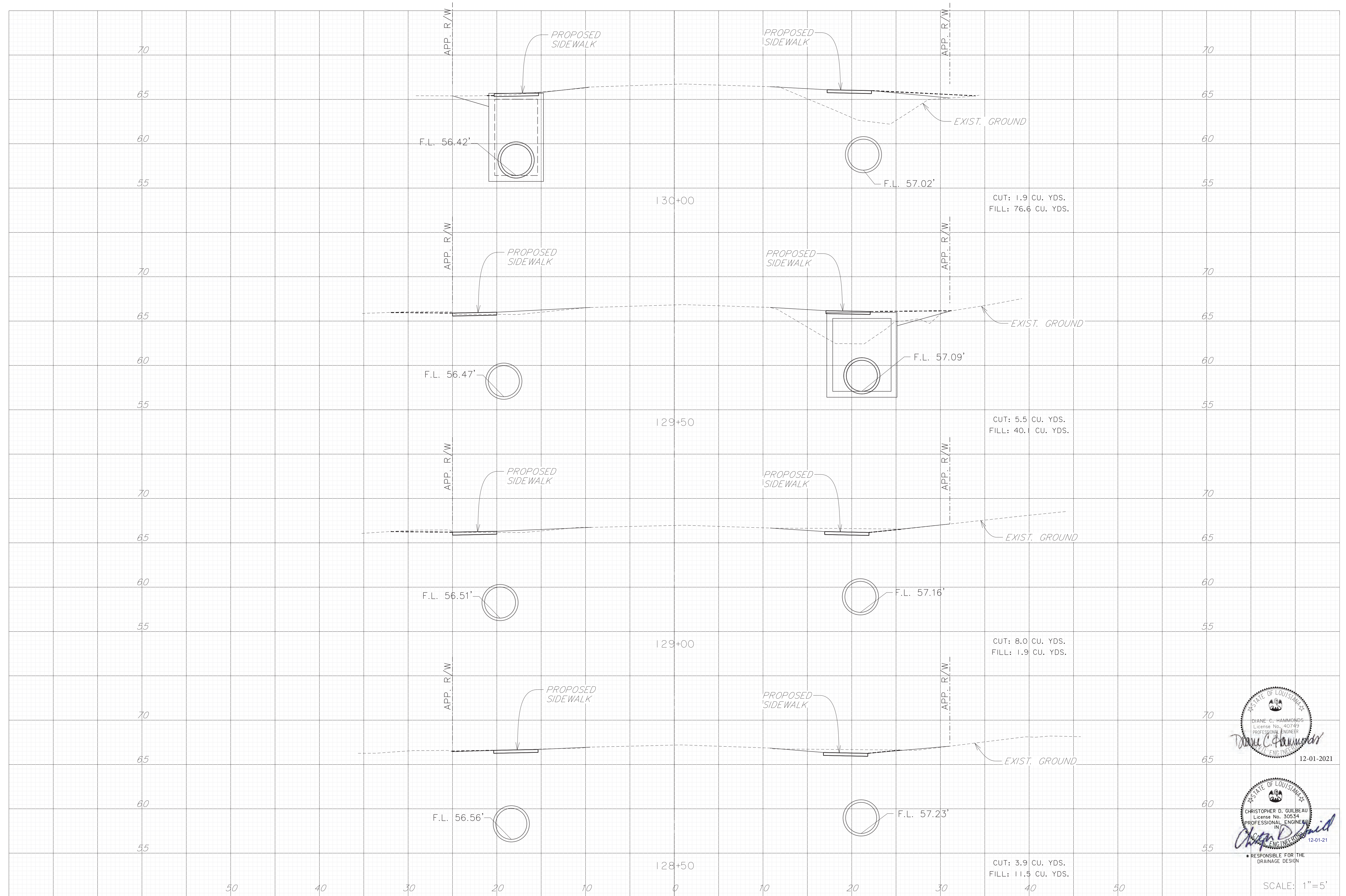
NO.	DATE	REVISION DESCRIPTION	BY



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EAST BATON ROUGE PARISH
 CITY PROJECT 17-SW-US-0029
 STATE PROJECT

DESIGNED DCH
 CHECKED KDM
 DETAILED CTR
 CHECKED DCH
 DATE 12/01/2021
 SHEET

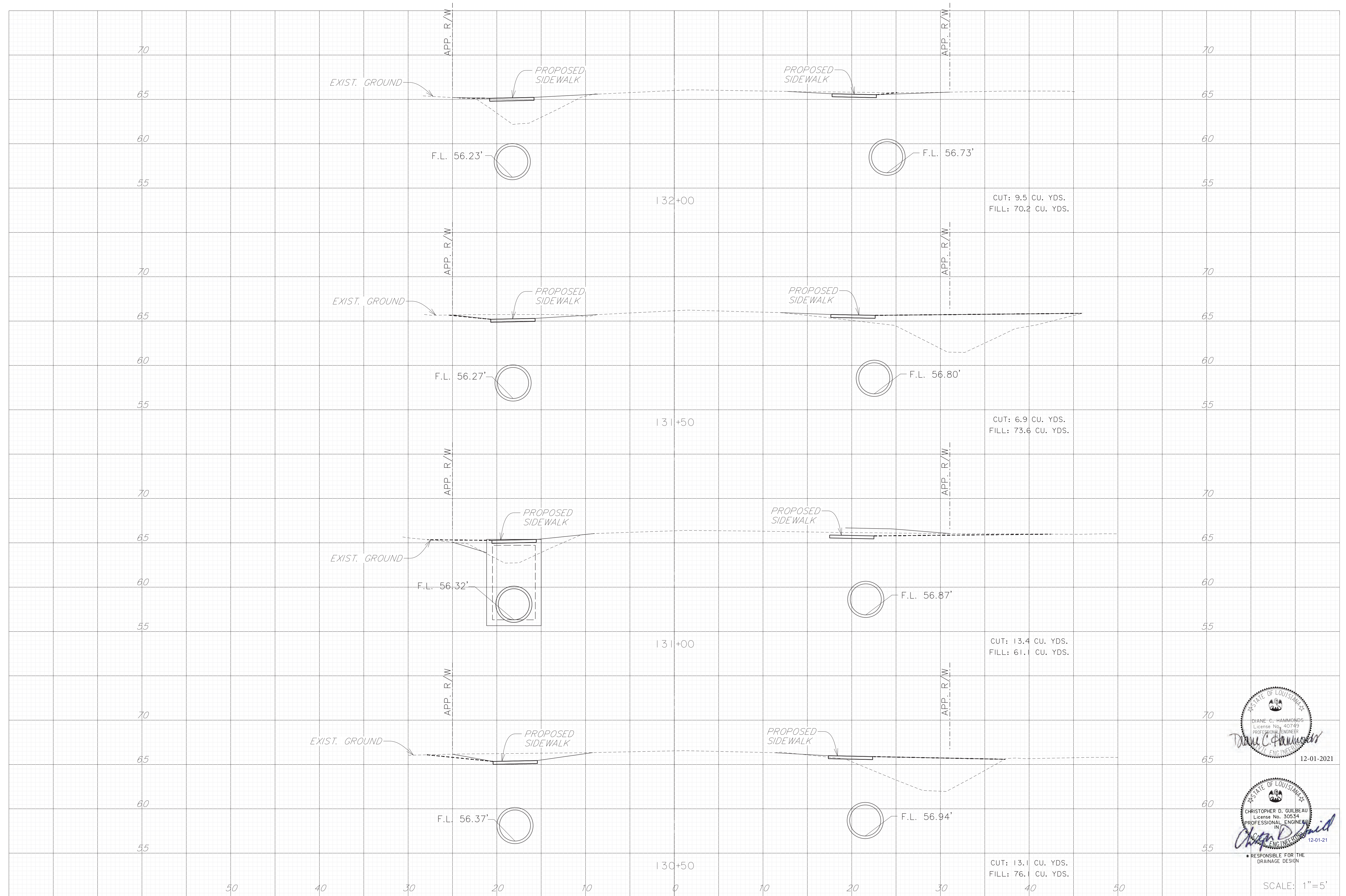
NO.	DATE	REVISION DESCRIPTION	BY



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SHEET NUMBER	416
PARISH	EAST BATON ROUGE PARISH
CITY PROJECT	17-SW-US-0029
STATE PROJECT	
DESIGNED	DCH
CHECKED	KDM
DATE	12/01/2021
DESIGNED	DCH
CHECKED	CTR
DATE	12/01/2021
NO.	
DATE	
BY	
REVISION DESCRIPTION	

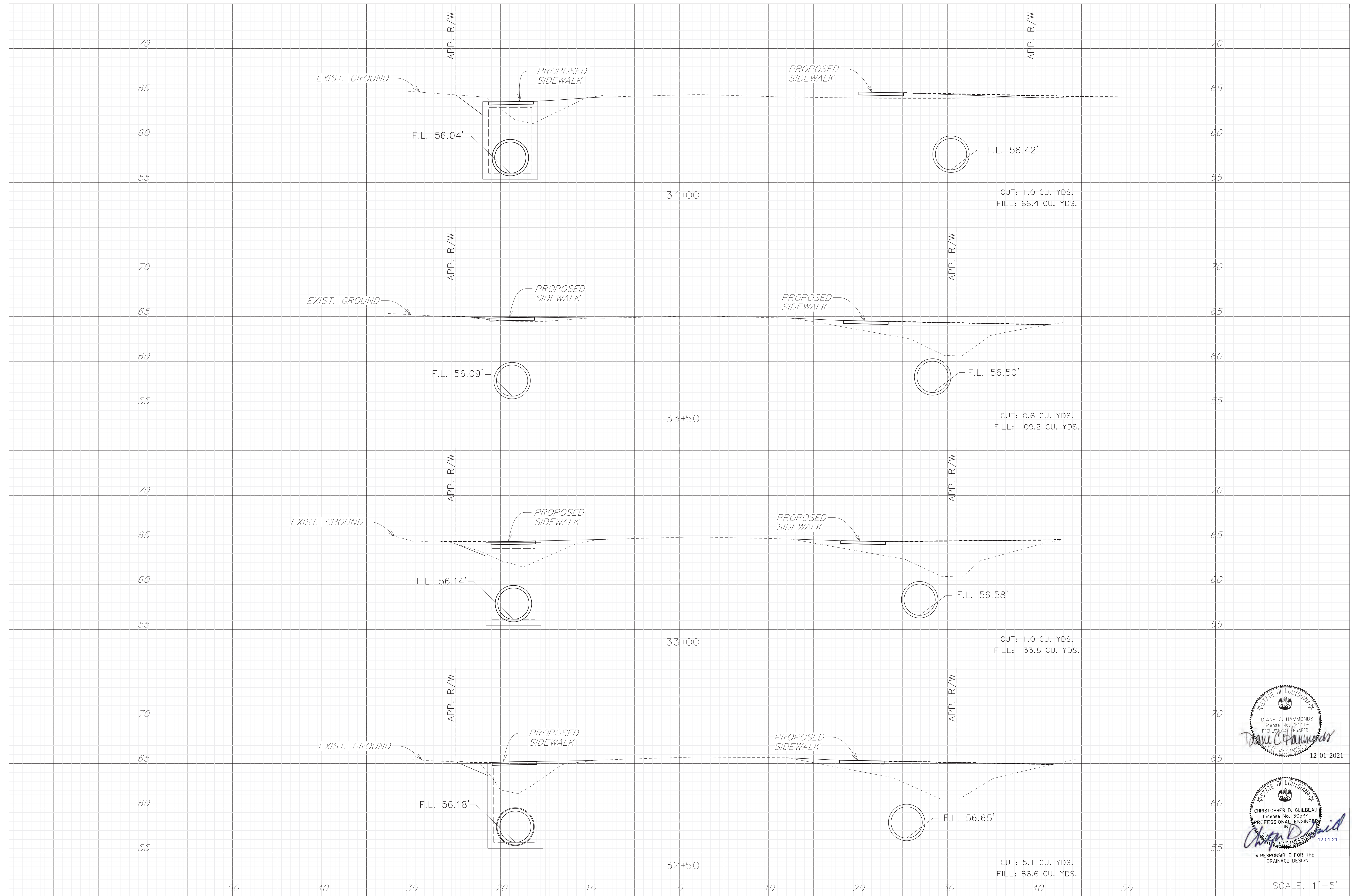
CROSS SECTIONS

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SHEET NUMBER 417

EAST BATON ROUGE PARISH
 CITY PROJECT 17-SW-US-0029
 STATE PROJECT

DESIGNED DCH
 CHECKED KDM
 DETAILED CTR
 CHECKED DCH
 DATE 12/01/2021
 SHEET

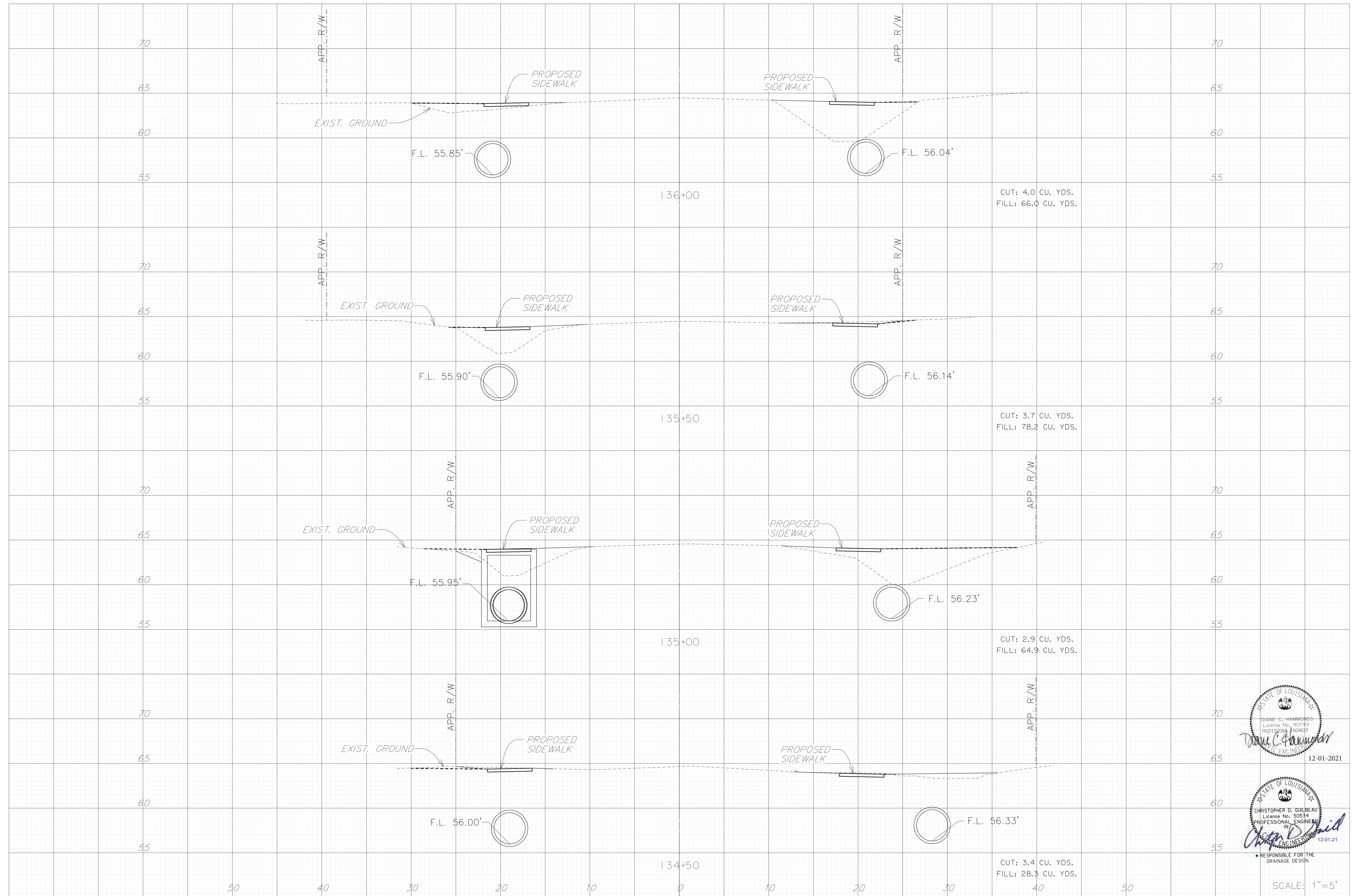
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SHEET NUMBER	418
PARISH	EAST BATON ROUGE PARISH
CITY PROJECT	17-SW-US-0029
STATE PROJECT	
DESIGNED	DCH
CHECKED	KDM
DATE	12/01/2021
DESIGNED	CTR
CHECKED	DCH
DATE	
NO.	
DATE	
BY	
REVISION DESCRIPTION	

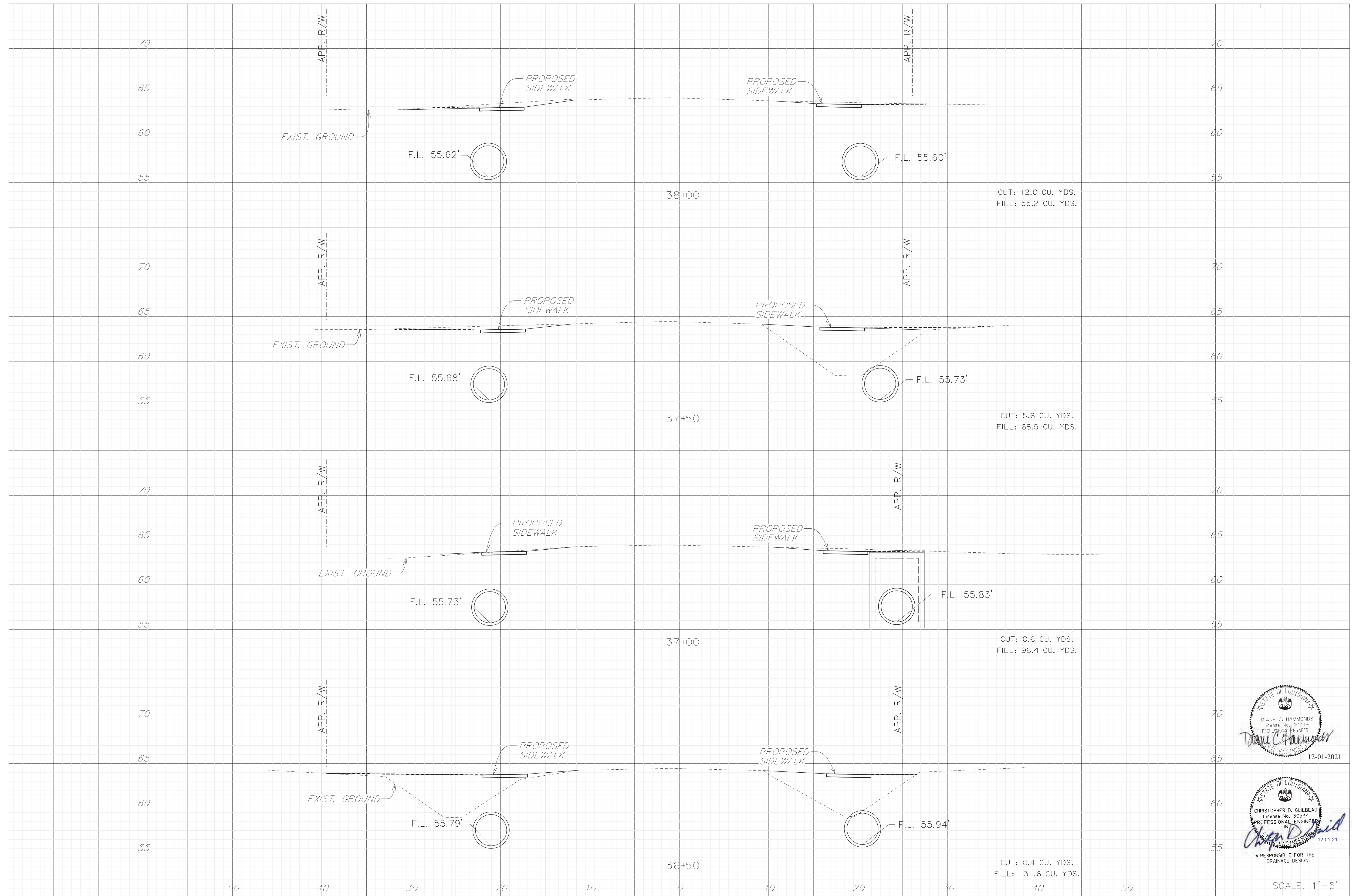
CROSS SECTIONS

ELM GROVE GARDEN PED IMPROVEMENTS

BR CITY OF BATON ROUGE

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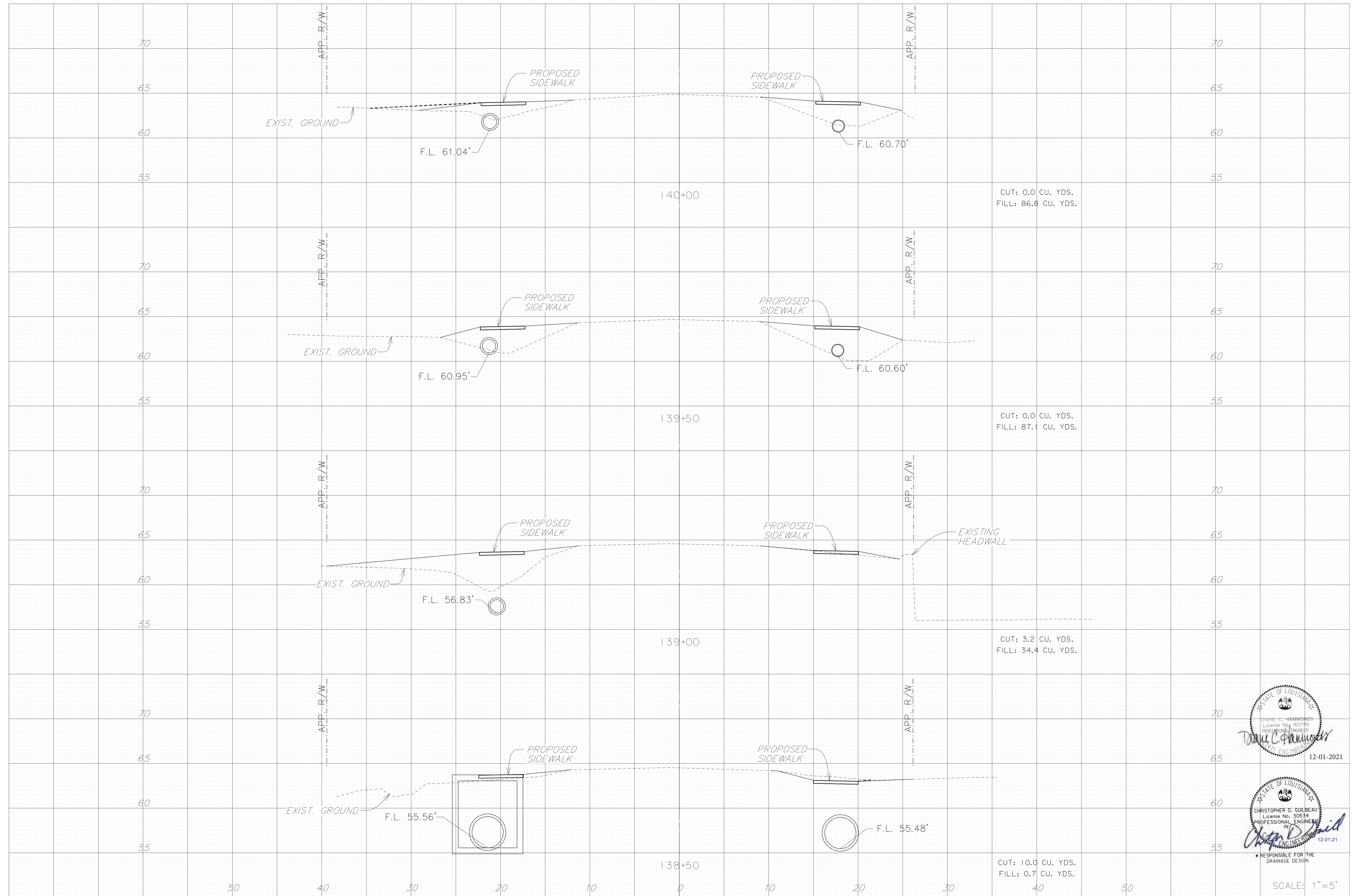
SHEET NUMBER	419
PARISH	EAST BATON ROUGE PARISH
CITY PROJECT	17-SW-US-0029
STATE PROJECT	
DESIGNED / CHECKED	DCH / KDM
DETAILED / CHECKED	CTR / DCH
DATE / SHEET	12/01/2021
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DATE	
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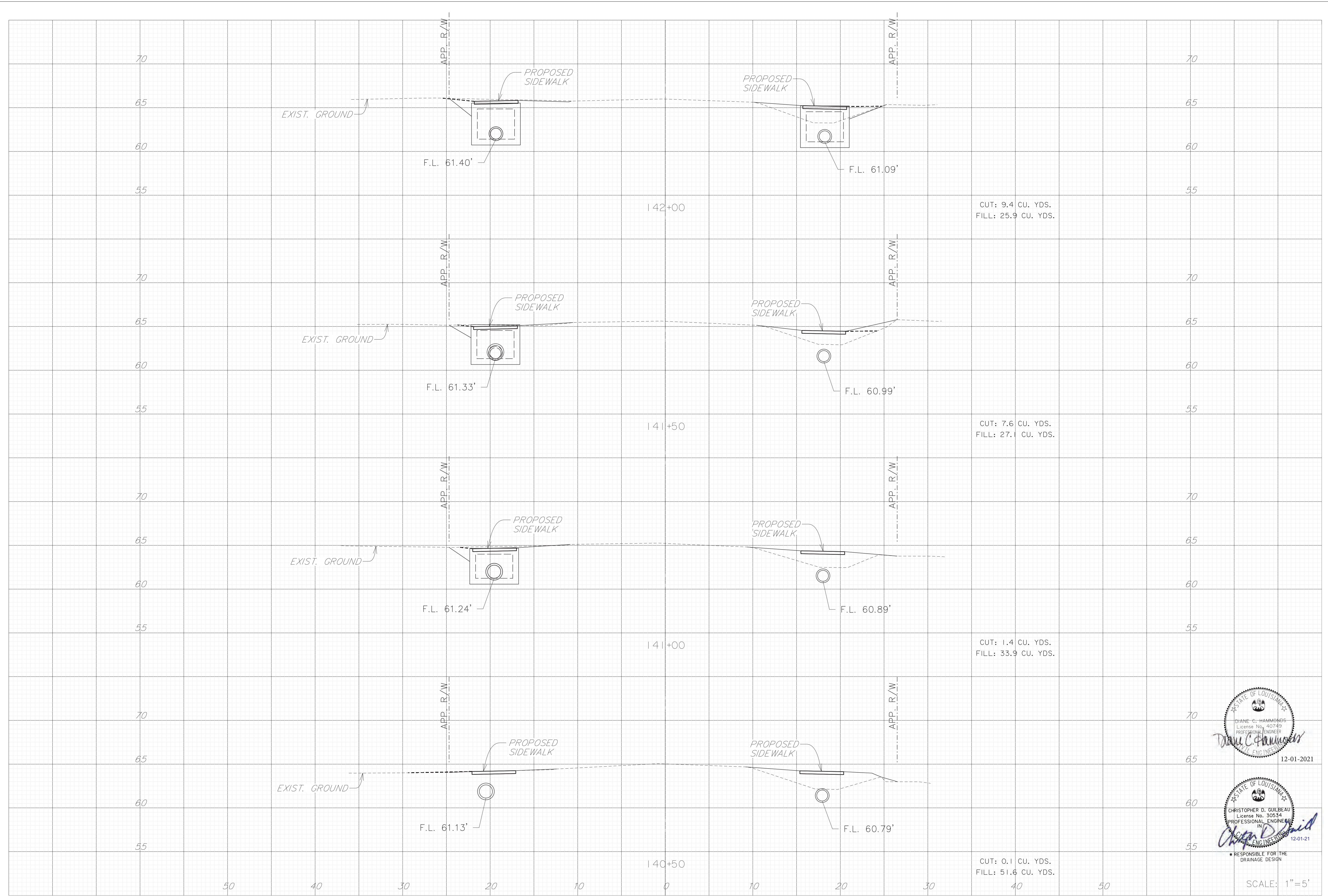
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CHECKED	KDM
DATE	12/01/2021
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CITY PROJECT	17-SW-US-0029
STATE PROJECT	
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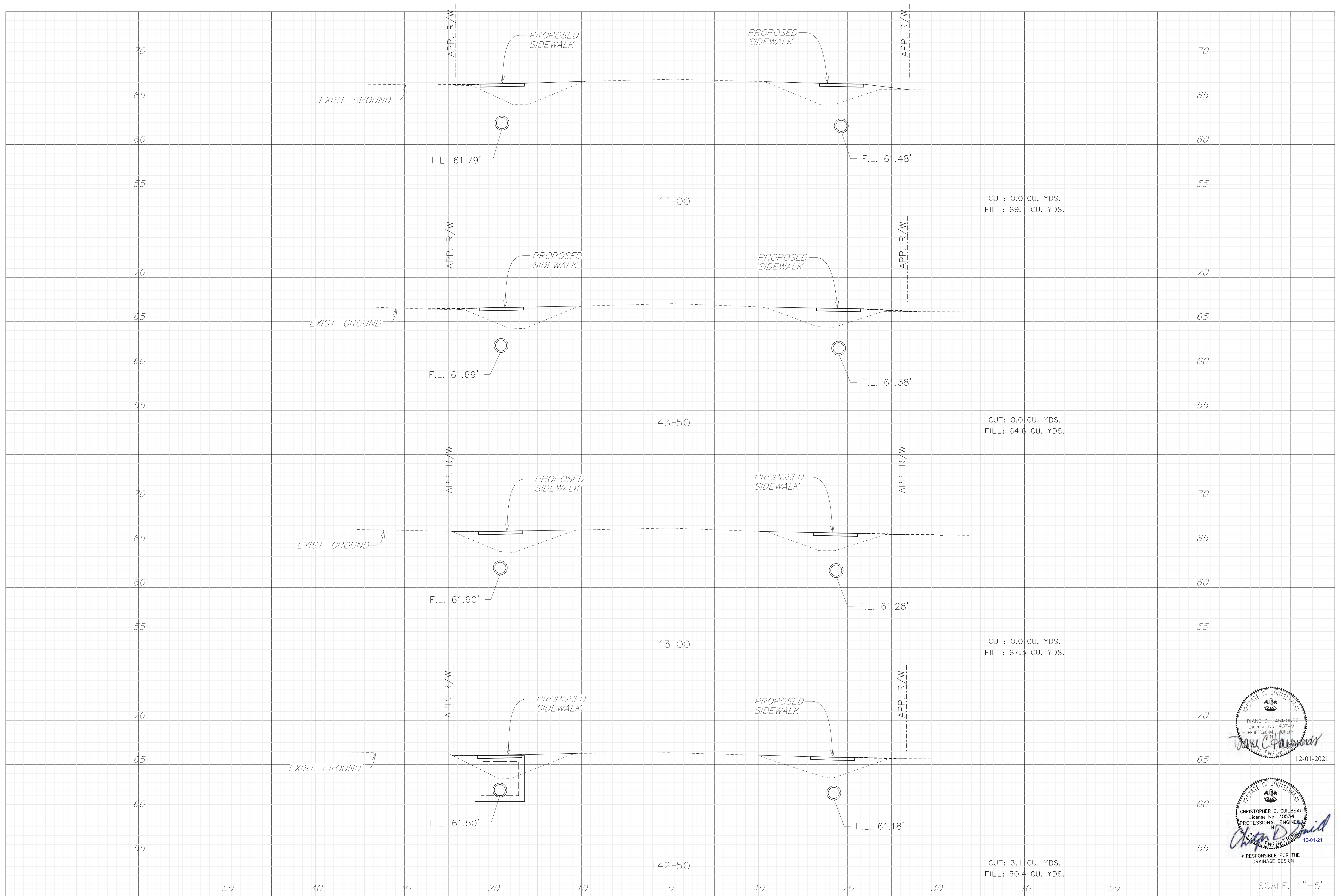
SHEET NUMBER	421
PARISH	EAST BATON ROUGE PARISH
CITY PROJECT	17-SW-US-0029
STATE PROJECT	
DESIGNED / CHECKED	DCH / KDM
DETAILED / CHECKED	CTR / DCH
DATE / SHEET	12/01/2021
NO.	
DATE	
REVISION DESCRIPTION	
BY	

CROSS SECTIONS

ELM GROVE GARDEN PED IMPROVEMENTS

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SCALE: 1" = 5'

SHEET NUMBER	422
PARISH	EAST BATON ROUGE PARISH
CITY PROJECT	17-SW-US-0029
STATE PROJECT	
DESIGNED / CHECKED	DCH / KDM
DETAILED / CHECKED	CTR / DCH
DATE / SHEET	12/01/2021
NO.	
DATE	
REVISION DESCRIPTION	
BY	

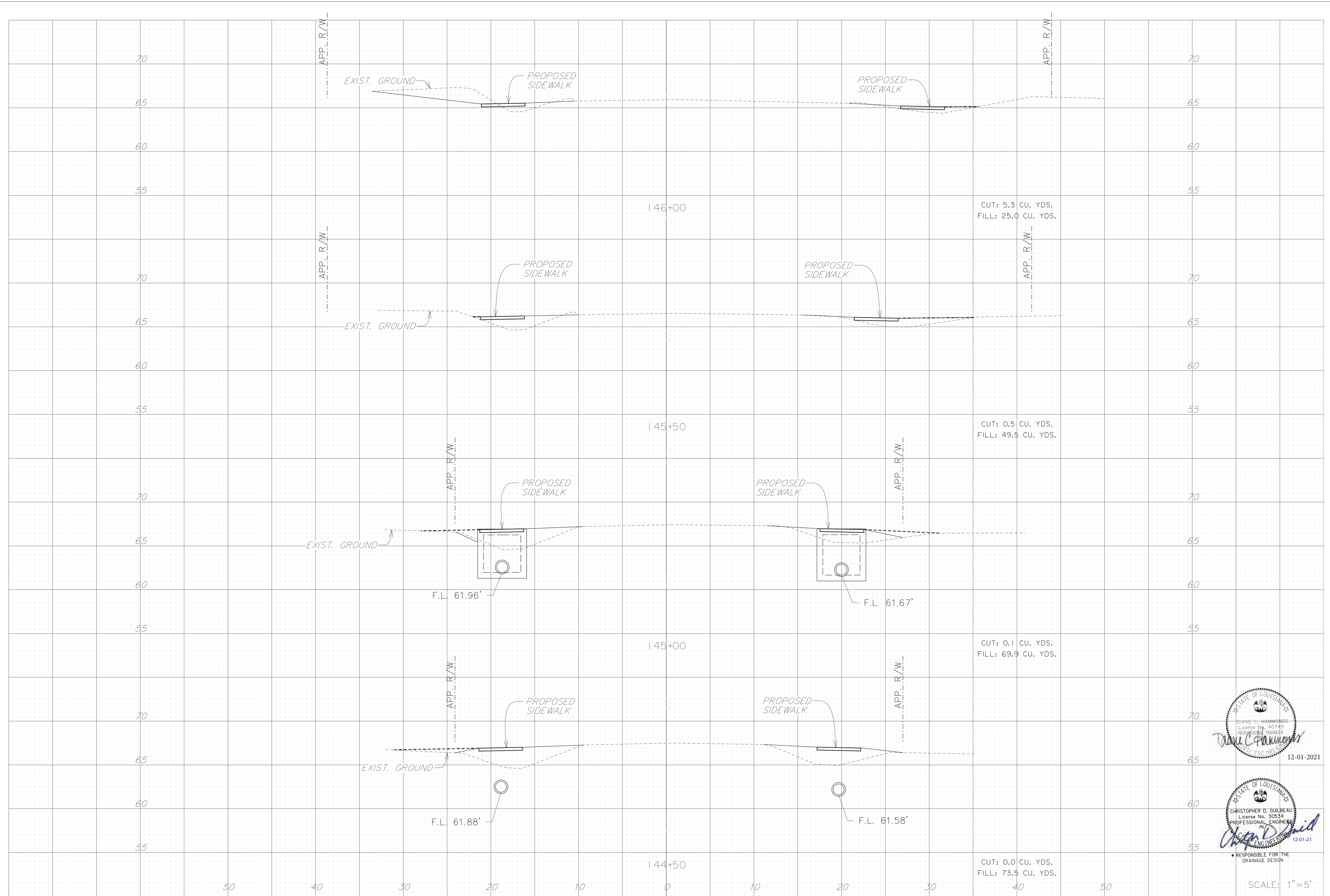
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CROSS SECTIONS

ELM GROVE GARDEN PED IMPROVEMENTS

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CITY OF BATON ROUGE

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SCALE: 1" = 5'

SHEET NUMBER	423
PARISH	EAST BATON ROUGE PARISH
CITY PROJECT	17-SW-US-0029
STATE PROJECT	
DESIGNED CHECKED	DCH KDM
DETAILED CHECKED	CTR DCH
DATE	12/01/2021
NO.	
DATE	
REVISION DESCRIPTION	
BY	

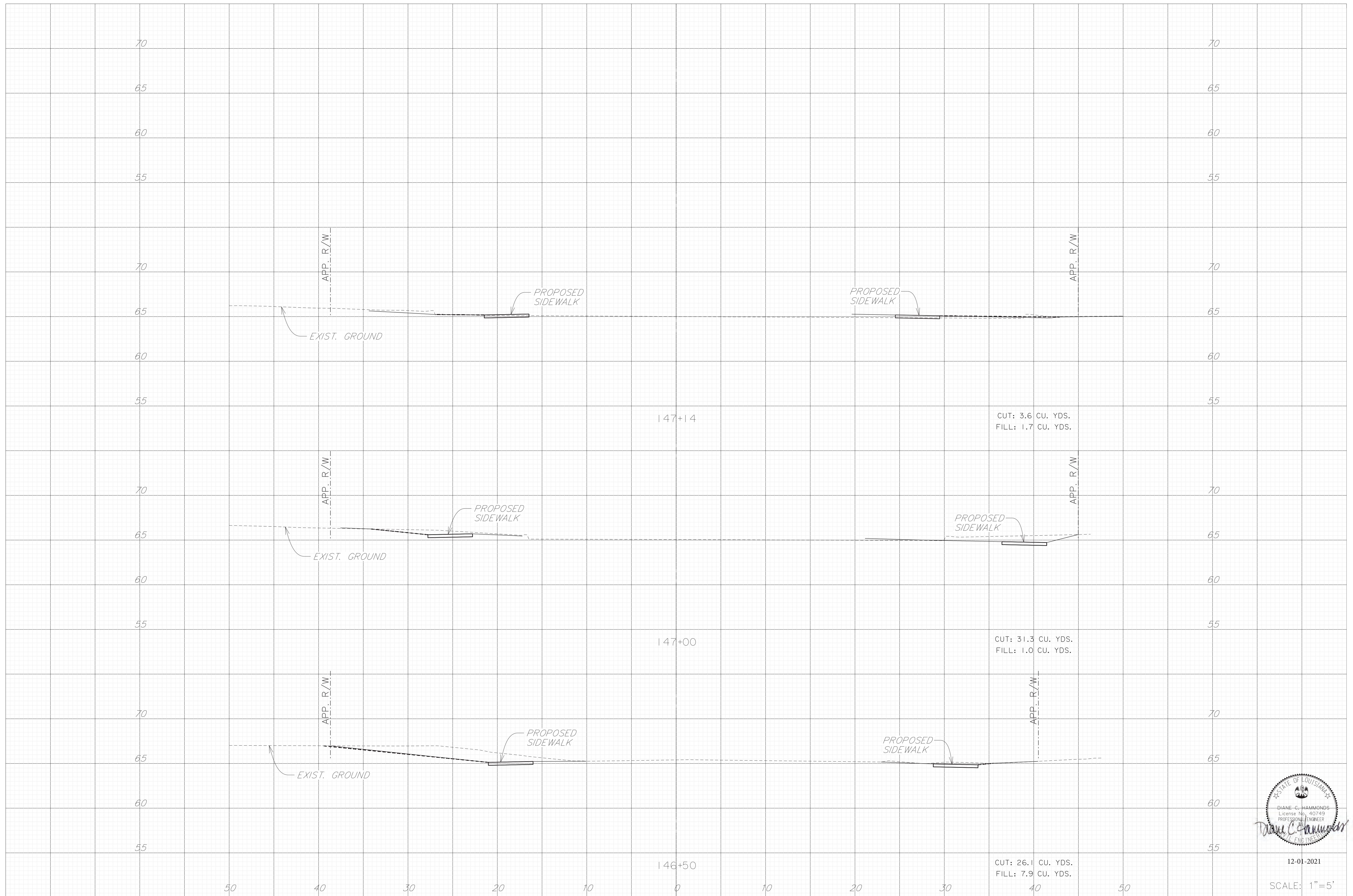
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CROSS SECTIONS

ELM GROVE GARDEN PED IMPROVEMENTS

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 CITY OF BATON ROUGE

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12-01-2021
SCALE: 1"=5'

SHEET NUMBER 424

PARISH EAST BATON ROUGE PARISH
CITY PROJECT 17-SW-US-0029
STATE PROJECT

DESIGNED DCH
CHECKED KDM
DATE 12/01/2021

NO.	DATE	REVISION DESCRIPTION	BY



CROSS SECTIONS
ELM GROVE GARDEN PED IMPROVEMENTS

