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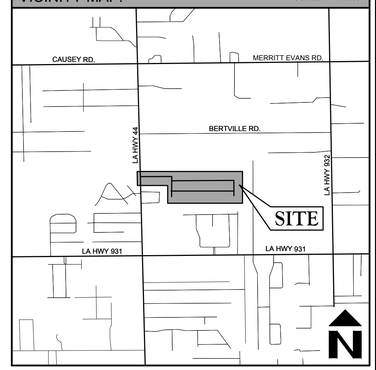
ASCENSION PARISH
DEPARTMENT OF PUBLIC WORKS

WALLACE ACRES SUBDIVISION DRAINAGE IMPROVEMENTS PROJECT

ASCENSION PARISH, LOUISIANA

PROJECT No. EAD-19-003

VICINITY MAP: SCALE: 1" = 2000'



ASCENSION PARISH ADMINISTRATION

KENNY MATASSA President	OLIVER JOSEPH Council Member District 1	BILL DAWSON Council Member District 2
TRAVIS TURNER Council Member District 3	DANIEL "DOC" SATTERLEE Council Member District 4	DEMPSEY LAMBERT Council Member District 5
RANDY CLOUATRE Council Member District 6	AARON LAWLER Council Member District 7	TERI CASSO Chairwoman District 8
TODD LAMBERT Council Member District 9	JOHN CAGNOLATTI Council Member District 10	BENNY JOHNSON Vice Chairman District 11

REVISION 1: (MAY 1, 2019)

1.) TO REVISE GENERAL NOTES SHEET.
2.) TO UPDATE LEGEND (SHEETS 25–41).
3.) TO REVISE STANDARD BEDDING AND BACKFILL DETAIL (SHEET 100).
4.) TO ADD MAILBOX STANDARD DETAIL.
5.) TO REVISE SUMMARY OF ESTIMATED QUANTITIES.

PLANS PREPARED AND RECOMMENDED FOR APPROVAL BY:

DERIC J. MURPHY, P.E.
QUALITY ENGINEERING & SURVEYING, L.L.C.

STATE OF LOUISIANA
DERIC J. MURPHY
License No. 29602
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING

2/6/19
DATE:

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DWG Path: P:\~2017 Projects\17-247 Wallace Acres Drainage Project\Drawings\Engineering\Plans\Current\17247_01_TI.dwg

Project No.:	17-247	Date: FEBRUARY 2019	Sheet: 1 OF 53
Checked By:	WHP	Drawn By:	EVK

BENCHMARK DATA:

DESIGNATION: LSU GULFNET RTN
DATUM: NAVD '88 (GEOID 12A)

UTILITY NOTE:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION, DEPTH AND SIZE OF ALL UNDERGROUND UTILITIES AND STRUCTURES AND SHALL BE LIABLE FOR ANY DAMAGE CAUSED BY FAILURE TO COMPLY WITH THESE INSTRUCTIONS.

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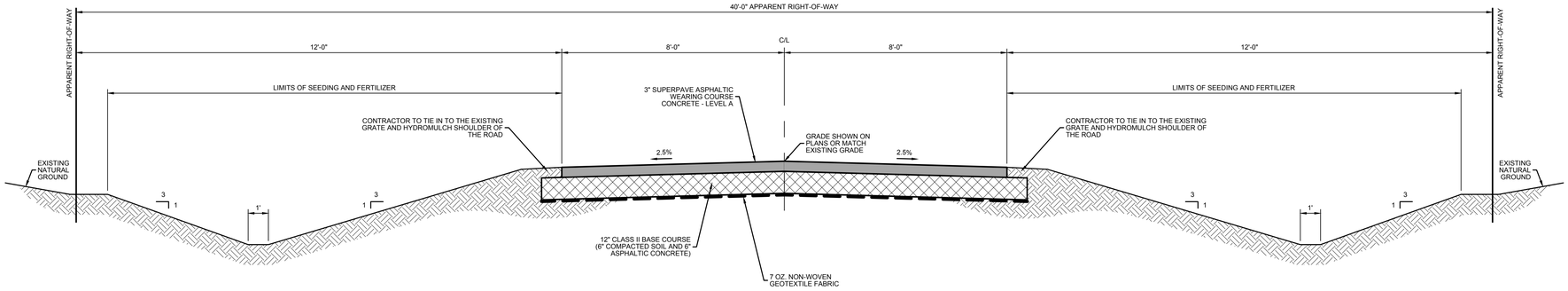
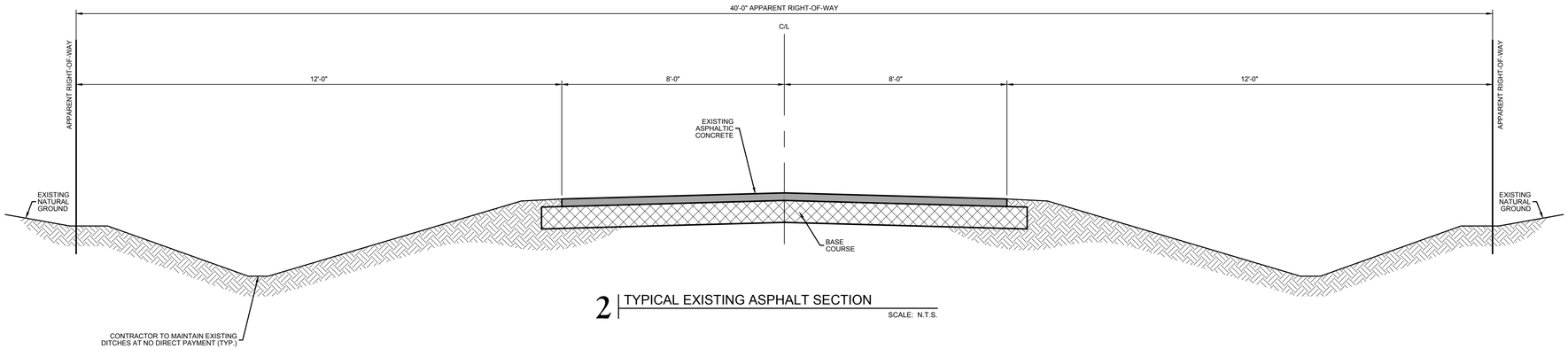
WALLACE ACRES SUBDIVISION DRAINAGE IMPROVEMENTS PROJECT



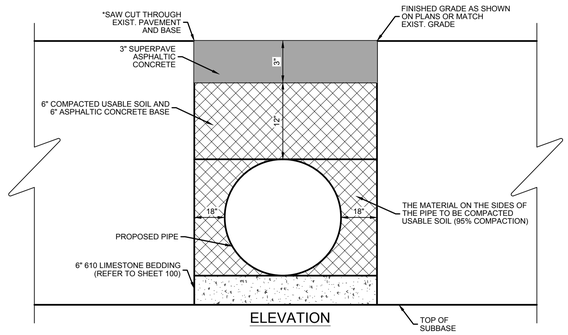
1 | TYPICAL ROADWAY REPAIR SECTION

CLASS II BASE SECTION (RL-3) SCALE: N.T.S.



2 | TYPICAL EXISTING ASPHALT SECTION

SCALE: N.T.S.



3 | TYPICAL ROAD REPAIR PATCH DETAIL

*SAW CUT SHALL BE AS DEEP AS NECESSARY OR AS DIRECTED BY FUTURE GEOTECH REPORT TO REMOVE PAVEMENT AND BASE SCALE: N.T.S.

1

GENERAL NOTES:

1) DRAWINGS ARE NOT SET TO SCALE.
2) THE SECTION TO BE USED AT ANY PARTICULAR LOCATION SHALL BE AS DIRECTED BY THE ENGINEER.
3) ALL DIMENSIONS SHOWN ON TYPICAL SECTIONS ARE DESIGN DIMENSIONS AND WILL BE FOLLOWED TO THE NEAREST PRACTICAL LIMITS IN THE FIELD AS DETERMINED BY THE ENGINEER IF TOLERANCES ARE NOT OTHERWISE SPECIFIED.
4) ALL DIMENSIONS SHOWN ON TYPICAL SECTIONS ARE COMPACTED DIMENSIONS.
5) ALL EXISTING VALVE BOXES AFFECTED BY THE CONSTRUCTION OF THIS PROJECT SHALL BE ADJUSTED AT NO DIRECT PAY.
6) ANY EXISTING SIGNS, POSTS, ETC. THAT CONFLICT WITH CONSTRUCTION PROCEDURES SHALL BE REMOVED AND RELOCATED BY THE CONTRACTOR AT NO EXPENSE TO THE OWNER, AS DIRECTED BY THE ENGINEER.
7) CONTRACTOR IS RESPONSIBLE FOR MAINTAINING DRAINAGE TO THE SATISFACTION OF THE ENGINEER.
8) ASPHALTIC LIQUID PG 30 WILL BE ALLOWED

Client:
ASCENSION PARISH
DEPARTMENT OF PUBLIC WORKS
42077 CHURCHPOINT RD.
GONZALES, LA 70737

Project:
WALLACE ACRES SUBDIVISION
DRAINAGE IMPROVEMENTS PROJECT
WALLACE ACRES SUBDIVISION
ASCENSION PARISH

Title:
TYPICAL SECTIONS

Description:
LOCATED IN
SECTION 4, TOWNSHIP 9 SOUTH, RANGE 3 EAST,
SOUTHEASTERN LAND DISTRICT EAST OF MISSISSIPPI RIVER,
ASCENSION PARISH, LOUISIANA

DWG Path: P:\~2017 Projects\17-247 Wallace Acres Drainage Project\Drawings\Engineering\Plans\Current\17247_02_TY.dwg

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PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
4/9/19

Drawn By: EVK
Date: FEBRUARY 2019
Project No.: 17-247

Sheet:
2 OF 53

GENERAL NOTES:

1.) THE CONTRACTOR IS ADVISED THAT EXISTING OVERHEAD AND UNDERGROUND UTILITIES SUCH AS (BUT NOT LIMITED TO) ELECTRICAL LINES AND POLES, TELEPHONE CABLES (COPPER OR FIBER OPTIC), GAS LINES, WATER LINES, AND SANITARY SEWERS EXIST IN THE AREA WHERE PROPOSED IMPROVEMENTS ARE TO BE INSTALLED. THE CONTRACTOR SHALL CONTACT LA ONE CALL OR THE APPROPRIATE UTILITY COMPANY FOR THE LOCATION OF THEIR UNDERGROUND SERVICE A MINIMUM OF 48 HOURS PRIOR TO BEGINNING CONSTRUCTION AS REQUIRED BY THE LOUISIANA UNDERGROUND UTILITIES AND FACILITIES DAMAGE PREVENTION LAW (LARS 40: 1749.11 THROUGH 1749.26, INCLUSIVE). IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO LOCATE AND PROTECT EXISTING UTILITIES THAT HAVE BEEN PROPERLY MARKED DURING THE CONSTRUCTION OF THE CONTRACT. ANY DAMAGES TO PROPERLY MARKED EXISTING UTILITIES CAUSED BY THE EXECUTION OF THE CONTRACT, SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER. THE OWNER DOES NOT ASSUME OR IMPLY TO ANY LIABILITY FOR THE PROTECTION AND/OR REPAIRS OF ANY UTILITY THAT DOES NOT BELONG TO THE OWNER, OR FOR PROPERLY MARKED EXISTING UTILITIES BELONGING TO OTHER UTILITY PROVIDERS THAT MAY OCCUPY OR OTHERWISE CONFLICT WITH THE CONSTRUCTION OF THE CONTRACT.

2.) WHENEVER NEW PAVEMENT INTERSECTS OR MEETS EXISTING PAVEMENT THAT IS TO REMAIN, THE NEW PAVEMENT SHALL BE TRANSITIONED TO MATCH EXISTING PAVEMENT (HORIZONTALLY, VERTICALLY, THICKNESS AND MATERIAL).

3.) CONCRETE DRIVE REMOVAL SHALL BE 18" FROM THE OUTSIDE WALL OF THE PIPE OR TO THE NEAREST JOINT IF IT IS LOCATED WITHIN 30" FROM THE OUTSIDE WALL OF THE PIPE. IF REMOVAL IS REQUIRED BEYOND RIGHT-OF-WAY, PERMISSION FROM PROPERTY OWNER IS TO BE ACQUIRED BY CONTRACTOR IN WRITING AND APPROVED BY THE ENGINEER PRIOR TO REMOVAL. ANY REQUIRED SAW CUTTING SHALL BE INCLUDED IN REMOVAL OF CONCRETE PAVEMENT AND SIDEWALKS.

4.) SAW CUTTING WILL BE REQUIRED WHEN REMOVING PART OF EXISTING ASPHALT OR CONCRETE STREETS, DRIVES, WALKS, AND PARKING AREAS. SAW CUTS WILL BE FULL DEPTH, AT THE JUNCTION OF TWO MATERIALS, TO THE BOTTOM OF EXISTING BASE AND WILL BE INCLUDED IN THE COST OF PAVEMENT REMOVAL ITEMS.

5.) THE CONTRACTOR IS ADVISED THAT THIS PROJECT SHALL COMPLY WITH THE STORM WATER GENERAL PERMIT FOR SMALL CONSTRUCTION ACTIVITIES, PERMIT NO. LAR200000 EFFECTIVE MARCH 1, 2013. THE REQUIREMENTS OF SUCH INCLUDE PREPARATION OF A STORM WATER POLLUTION PREVENTION PLAN PRIOR TO CONSTRUCTION AND SUBMITTAL OF A SMALL CONSTRUCTION ACTIVITY COMPLETION REPORT LAR200000 AT THE COMPLETION OF THE PROJECT TO LADEQ AND THE ENGINEER. THE CONTRACTOR SHALL APPLY FOR THE STORM WATER PERMIT AND PREPARE AND IMPLEMENT THE STORM WATER POLLUTION PREVENTION PLAN. ITEMS REQUIRED FOR IMPLEMENTATION OF THE CONTRACTOR'S STORM WATER POLLUTION PREVENTION PLAN SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. PAYMENT FOR THESE ITEMS AND THE ITEMS OF THE FOLLOWING REQUIREMENTS TO BE INCLUDED IN ITEM 20-23:

a) SILT FENCING AND TEMPORARY INLET SILT TRAPS SHALL BE PLACED AS PER SHEET 105 STANDARD PLANS - TEMPORARY EROSION CONTROL INSTALLATION DETAILS
b) TEMPORARY SEEDING AND MULCHING SHALL BE PLACED ON DISTURBED AREAS AND EXCAVATED DITCHES WITHIN 7 DAYS OF THEIR DEVELOPMENT/ CONSTRUCTION.

6.) CONTRACTOR SHALL MAINTAIN EROSION CONTROL MEASURES AND LPDES STORMWATER MANAGEMENT PLAN UNTIL CONSTRUCTION IS COMPLETE AND ALL DITCHES AND DISTURBED AREAS ARE STABILIZED WITH ESTABLISHED VEGETATION.

7.) CONTRACTOR TO MAINTAIN MAILBOX(ES) TO ALLOW FOR MAIL DELIVERY DURING CONSTRUCTION ACTIVITIES (NO DIRECT PAY).

8.) CATCH BASINS SHALL BE INSTALLED USING CB-01, CB-02 AND CB-04 STANDARD DETAILS FROM LADOTD. SEE SHEETS 107, 108 AND 109 STANDARD PLANS - CONCRETE OPEN TOP CATCH BASIN CB-01 AND CB-02. TOP OF GRATE ELEVATIONS SHALL BE FIELD SET. TYPE "3" GRATE SHALL BE USED FOR ALL CATCH BASINS, UNLESS OTHERWISE NOTED. SEE SHEET 101 STANDARD PLANS - CAST IRON GRATE INLET AND JUNCTION BOX.

9.) EMBANKMENT MATERIAL AND BORROW MATERIAL SHALL BE AS DESCRIBED WHERE FILL MATERIAL IS REQUIRED. CONTRACTOR MAY USE EXCAVATED MATERIAL FROM THE SITE IF MATERIAL MEETS COMPOSITION REQUIREMENTS AND IS APPROVED BY THE ENGINEER. SAND OR RIVER SILT IS NOT ALLOWED TO BE USED AS A BACKFILL. SEE SHEET 100 STANDARD PLANS-STANDARD BEDDING AND BACKFILL DETAILS.

10.) CONTRACTOR IS RESPONSIBLE FOR UTILITY SERVICE CONNECTION ADJUSTMENTS UNDER THE SUPERVISION OF THE UTILITY OWNER. ALL UTILITY OWNER REQUIREMENTS MUST BE FOLLOWED.

11.) THE WORK IN THIS CONTRACT SHALL CONFORM TO THE PROJECT PLANS AND SPECIFICATIONS. SHOULD ANY ITEM BE DISCOVERED THAT IS NOT ADDRESSED SPECIFICALLY, REFER TO THE LATEST EDITION OF THE ASCENSION PARISH SUBDIVISION CONSTRUCTION SPECIFICATIONS, INCLUDING REVISIONS, AMENDMENTS AND SUPPLEMENTS. IN CASE OF A CONFLICT BETWEEN THE PROJECT SPECIFICATIONS AND THE LA DOTD SPECIFICATIONS, THE MORE STRINGENT SHALL GOVERN.

12.) ALL DIMENSIONS SHOWN ON THE PLANS ARE DESIGN DIMENSIONS AND SHALL BE FOLLOWED TO THE NEAREST PRACTICAL LIMITS IN THE FIELD AS DETERMINED BY THE ENGINEER, IF TOLERANCES ARE NOT OTHERWISE STATED.

13.) ANY DAMAGE TO PUBLIC OR PRIVATE PROPERTY CAUSED BY THE CONTRACTOR'S ACTIVITIES SHALL BE REPAIRED OR REPLACED PROMPTLY AT THE EXPENSE OF THE CONTRACTOR AND TO THE SATISFACTION OF THE PARISH OF ASCENSION.

14.) ANY MATERIALS REMOVED DURING CONSTRUCTION AND DEEMED UNUSABLE SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND HAULED OFF BEYOND THE LIMITS OF THE PROJECT AT NO ADDITIONAL EXPENSE TO THE OWNER. EXCESS MATERIAL SHALL NOT BE PLACED IN JURISDICTIONAL WETLANDS OR OTHER AREAS PROHIBITED BY LOCAL, STATE, OR FEDERAL ORDINANCES, STATUTES OR LAWS. MATERIALS DEEMED DANGEROUS BY DEFINITION OF LADEQ SHALL BE DISPOSED ACCORDING TO LOCAL, STATE, AND FEDERAL REGULATIONS.

15.) ALL DITCHES AND DISTURBED AREAS ARE TO BE SLOPED TO DRAIN, GRADED, AND HYDROSEEDED AFTER CONSTRUCTION IS COMPLETE. HYDROSEEDING SHALL BE AS PER THE LATEST EDITION OF THE ASCENSION PARISH SUBDIVISION CONSTRUCTION SPECIFICATIONS.

16.) EXISTING UTILITIES AND RIGHT-OF-WAY LINES ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR TO FIELD VERIFY EXACT LOCATION OF ALL UTILITIES AND RIGHT-OF-WAY. CONTRACTOR TO FIELD VERIFY WITH EXISTING MONUMENTS EXACT LOCATION OF PROPERTY LINES.

17.) ALL SIGNS, TREES, SHRUBBERY, MAILBOXES, AND FENCES DISTURBED OR DAMAGED DURING CONSTRUCTION ARE TO BE REPLACED IN-KIND AT NO DIRECT PAY.

18.) ALL CATCH BASINS AND DRAINAGE MANHOLE COVERS SHALL BE LABELED "DRAIN".

19.) THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE FOR THE DURATION OF THE PROJECT. NO MATERIAL, EQUIPMENT OR ANY OTHER OBSTACLES SHALL BE LEFT OR STORED AT LOCATIONS WHICH IMPEDE THE RUNOFF OF STORM WATER AND TRAFFIC FROM THE CONSTRUCTION SITE AND/OR ADJACENT PROPERTIES OR RENTED LAYDOWN AREAS.

20.) IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS REQUIRED FOR THE CONSTRUCTION OF THIS PROJECT. CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE PROJECT ENGINEER IMMEDIATELY.

21.) CONTRACTOR SHALL COORDINATE ACTIVITIES SO THAT TRAFFIC IS MAINTAINED AT ALL TIMES ON ALL STREETS IN THE CONTRACT DURING CONSTRUCTION. CONTRACTOR SHALL PROVIDE ALL TRAFFIC CONTROL PERSONAL AND SIGNAGE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.) (LATEST EDITION). FOR THE SAFETY OF THE PUBLIC, BOTH LANES OF TRAFFIC ARE TO BE OPEN WHEN CONSTRUCTION IS NOT IN PROGRESS. THE ENGINEER OR THE OWNER RESERVE THE RIGHT TO TERMINATE CONSTRUCTION WHEN TEMPORARY TRAFFIC CONTROL PROVISIONS ARE NOT IN ACCORDANCE WITH THE M.U.T.C.D.

22.) LIMESTONE USED ON THE PROJECT SHALL BE NON-POROUS, 610 GRADE.

23.) ALL DRIVEWAY BASES WILL BE PROOF-ROLLED WITH A MINIMUM OF 10 YD SAND LOAD. FAILURES WILL BE PATCHED AS DIRECTED BY THE PROJECT ENGINEER AND THEN PROOF-ROLLED AGAIN (NO DIRECT PAY).

24.) ALL LANDSCAPING, DECORATIONS, OR ADORNMENTS WITHIN R/W LIMITS MAY BE REMOVED, BUT AS SUCH, MUST BE COORDINATED WITH THE LANDOWNER BEFORE REMOVAL SO THE OWNER MAY RELOCATE, REMOVE, STORE OR PRESERVE THE MATERIALS DURING CONSTRUCTION. CONTRACTOR SHALL DOCUMENT ALL UNDERSTANDINGS OR AGREEMENTS THEREIN UNDOCUMENTED MISUNDERSTANDINGS WITH PROPERTY OWNERS WILL BE ASSUMED TO BE THE FAULT AND LIABILITY OF THE CONTRACTOR.

25.) VIDEOS OF THE LIMITS OF THE PROJECT SHALL BE PERFORMED PRIOR TO ISSUANCE OF THE NOTICE TO PROCEED. COPIES SHALL BE DELIVERED TO THE ENGINEER AND OWNER PRIOR TO CONTRACTOR OCCUPYING THIS CONSTRUCTION SITE. SUBSEQUENT VIDEOS SHALL BE PERFORMED IN THE SAME FORMAT AND FILMED IN THE SAME SEQUENCE.

26.) SOME UTILITY FEATURES MAY NOT BE ABLE TO BE RELOCATED. IN SUCH CASES, CONTRACTOR SHALL COORDINATE WITH ALL LOCAL UTILITY COMPANIES FOR NECESSARY RELOCATION OF STRUCTURES AND EQUIPMENT PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL MAKE EVERY REASONABLE ACCOMMODATION TO DEFINE, FLAG, FENCE, AND DESIGNATE SUCH CIRCUMSTANCES. ANY DAMAGE IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL ALSO INDEMNIFY AND HOLD HARMLESS THE OWNER AND/OR ANY AGENT OF THE OWNER, INCLUDING, BUT NOT LIMITED TO THE ENGINEER OR HIS STAFF FOR ANY DAMAGE.

27.) ANY DAMAGE FROM FAILURE TO MAINTAIN THE CURRENT DRAINAGE FEATURES' ABILITY TO REMOVE STORMWATER FROM SITE IS THE SOLE AND EXCLUSIVE RESPONSIBILITY OF THE CONTRACTOR. EXCESSIVE TIME, UNDOCUMENTED DELAYS AND RAIN DAYS CLAIMS IN EXCESS OF THE STANDARD CALENDAR ALLOWANCES WILL NOT BE ALLOWED.

28.) CONTRACTOR SHALL MAINTAIN THE PERFORMANCE SCHEDULE SUBMITTED PRIOR TO NOTICE TO PROCEED OR SUBMIT WRITTEN REVISION REQUESTS PRIOR TO EXCEEDING AGREED UPON TASK COMPLETION OR PHASE COMPLETION DATES. SHOULD SUCH SCHEDULE SLIPPAGE OCCUR WITHOUT PRIOR APPROVAL FROM OWNER'S AGENT, CONTRACTOR MAY BE CONSIDERED TO BE DEFAULTING ON THE AGREEMENT. RAIN DAYS SHALL BE DEFINED BY LOCAL N.O.A.A. HISTORICAL WEATHER DETERMINATION (WWW.NWS.NOAA.GOV).

29.) OWNER OR OWNER'S AGENT SHALL HAVE UNLIMITED ACCESS TO THE PROJECT WORKSITE WITHOUT NOTICE OR NOTIFICATION. SPOT CHECKS OF PROGRESS, SAFETY, AND COMPLIANCE TO THE PRESERVATION OF THE WELL BEING OF THE AFFECTED RESIDENTS SHALL BE THE ONLY REQUIREMENT.

30.) SAFETY AND SECURITY ARE THE EXCLUSIVE RESPONSIBILITIES OF THE CONTRACTOR DURING THE TIME LIMITS OF THE CONTRACT. FAILURE TO COVER EXCAVATIONS, SECURE EQUIPMENT OR CAUSE, THROUGH ANY ACTION OR INACTION HARM TO LIFE OR PROPERTY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL ALSO INDEMNIFY, PROTECT, AND DEFEND THE OWNER AND/OR ANY OF HIS AGENTS FROM ANY CLAIMS THEREOF.

31.) THE CONTRACTOR MAY ELECT TO ESTABLISH AGREEMENTS DIRECTLY WITH THE RESIDENTS. SHOULD HE ELECT TO DO SO WITHOUT WRITTEN NOTIFICATION TO THE ENGINEER AND APPROVAL FROM THE SAME, ANY DISAGREEMENTS, COMPLAINTS, OR CLAIMS RESULTING SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE NO JUSTIFICATION FOR ADDITIONAL COMPENSATION OR ADDED CONTRACT TIME.

32.) ANY ACCIDENT OF ANY TYPE OR MAGNITUDE DURING THE CONTRACT MUST BE REPORTED TO THE PROPER AUTHORITIES IMMEDIATELY, AND A COPY OF THE OFFICIAL REPORT MUST ACCOMPANY THE NEXT PAY REQUEST. AN EXPLANATION BY THE CONTRACTOR SHALL BE INCLUDED FOR DOCUMENTATION

33.) ALL REPLACEMENT OF EXISTING SIDEWALKS, DRIVEWAYS, AND ROAD REPLACEMENT SHALL OCCUR AFTER PROPOSED DRAINAGE SYSTEM IS INSTALLED. CONTRACTOR SHALL MAINTAIN AND PROVIDE TEMPORARY AGGREGATE DRIVEWAYS FOR ACCESS TO RESIDENCES. ALL DRIVEWAY CONSTRUCTION SHALL BE COORDINATED WITH RESIDENTS, AND SHALL NOT IMPEDE LONG TERM ACCESS TO RESIDENTS' PROPERTIES.

34.) ALL DRIVEWAYS CALLED OUT FOR REMOVAL AND REPLACEMENTS ARE TO BE REPLACED WITH LIKE AND KIND (MATCHING MATERIALS, DIMENSIONS, ETC.). IF THE HOMEOWNER WISHES TO EXTEND THE LIMITS OF DRIVEWAY REPLACEMENT, THE HOMEOWNER TO CO-OPERATE WITH THE CONTRACTOR FOR THE ADDITIONAL DRIVEWAY REPLACEMENT COST THAT WILL BE REQUIRED TO BE PAID BY THE HOMEOWNER TO EXTEND THE SCOPE.

35.) THE PARISH OF ASCENSION RESERVE THE RIGHT TO CHANGE THE CATCH BASIN TO BE USED ONCE THE TRENCH IS DUG AND UTILITY LINES ARE REVEALED AND TO INSURE THE ELEVATION OF CATCH BASIN BECOMES KNOWN AND IS NOT SUFFICIENTLY LOWER THAT THE EDGE OF ROADWAY. (I.E. CHANGING A CB-01 TO A CB-04).

1

Client:
ASCENSION PARISH
DEPARTMENT OF PUBLIC WORKS
42077 CHURCHPOINT RD.
GONZALES, LA 70737

Project:
WALLACE ACRES SUBDIVISION
DRAINAGE IMPROVEMENTS PROJECT
WALLACE ACRES SUBDIVISION
ASCENSION PARISH

GENERAL NOTES

Title:

Description:
LOCATED IN
SECTION 4, TOWNSHIP 9 SOUTH, RANGE 3 EAST
SOUTHEASTERN LAND DISTRICT EAST OF MISSISSIPPI RIVER.
ASCENSION PARISH, LOUISIANA

DWG Path: P:\-2017 Projects\17-247 Wallace Acres Drainage Project\Drawings\Engineering\Plans\Current\17247_03_GN.dwg

QUALITY
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STATE OF LOUISIANA
WILLIAM H. HUSSER
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PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
6/6/19

Drawn By: EVK
Date: FEBRUARY 2019
Project No.: 17-247
Sheet: 3 OF 53

	Start Station	Start Invert (Ft)	End Station	End Invert (Ft)	Type	Size (In)	Length (Ft)
Wallace Acres Road	10+55 L	12.98	10+94 L	13.05	PVC	18	40
	11+12 L	13.08	11+64 L	13.14	PVC	18	54
	12+02 R	13.04	12+43 R	13.12	PVC	18	42
	12+15 L	13.2	12+36 L	13.26	PVC	18	23
	12+70 R	13.17	12+99 R	13.24	PVC	18	29
	13+21 L	13.32	13+52 L	13.55	PVC	18	32
	13+59 L	13.38	13+99 L	13.43	PVC	18	40
	14+03 L	13.43	14+31 L	13.49	PVC	18	30
	13+90 R	13.42	14+15 R	13.47	PVC	18	25
	15+20 R	13.68	15+33 R	13.71	PVC	15	15
	15+70 R	13.77	15+87 R	13.81	PVC	15	17
	15+98 R	13.82	16+23 R	13.87	PVC	15	25
	16+06 L	13.63	16+22 L	13.68	PVC	15	17
	16+84 L	13.75	17+15 L	13.81	PVC	15	32
	16+77 R	13.98	16+98 R	14.03	PVC	15	21
	17+19 L	13.81	17+63 L	13.9	PVC	15	45
	17+66 R	14.16	17+91 R	14.2	PVC	15	20
	18+10 L	13.96	18+29 L	14	PVC	15	21
	18+36 L	14	18+44 L	14.1	PVC	15	22
North Main Street	Start Station	Start Invert (Ft)	End Station	End Invert (Ft)	Type	Size (In)	Length (Ft)
	20+91 L	14	21+32 L	13.9	RCP	15	45
	21+66 L	13.77	22+56 L	13.1	PVC	15	90
	21+69 R	13.8	21+89 R	13.76	PVC	15	20
	22+59 R	13.6	23+02 R	13.23	PVC	18	43
	22+60 L	13.1	23+76 L	13.22	PVC	15	117
	23+06 R	13.23	23+54 R	13.12	PVC	18	50
	24+41 R	12.99	24+67 R	12.9	PVC	18	25
	25+15 R	12.76	25+36	12.66	PVC	18	22
	25+15 L	12.6	25+36 L	12.54	PVC	18	20
Nye Street	Start Station	Start Invert (Ft)	End Station	End Invert (Ft)	Type	Size (In)	Length (Ft)
	30+66 L	13.6	30+71 L	13.63	PVC	18	5
	30+95 R	13.7	31+28 R	14.05	PVC	15	35
	31+38 L	14.03	31+91 L	14.34	PVC	18	55
	31+63 R	14.12	31+84 R	14.3	PVC	15	21
	32+45 L	14.67	32+81 L	14.91	PVC	15	37
	32+85 L	14.91	33+49 L	15.22	PVC	15	65
	33+83 R	14.73	34+11 R	15	PVC	15	30
	33+91 L	15.55	33+98 L	15.6	PVC	15	10
	34+20 L	15.73	34+39 L	15.85	PVC	15	20
Dean Street	Start Station	Start Invert (Ft)	End Station	End Invert (Ft)	Type	Size (In)	Length (Ft)
	41+20 R	13.94	41+42 R	13.97	PVC	15	22
	41+75 R	14.01	41+96 R	14.08	PVC	15	22
	41+77 L	14.12	42+11 L	14.2	PVC	15	35
	42+22 R	14.15	42+41 R	14.2	PVC	15	20
	42+92 L	14.2	43+11 L	14.08	PVC	15	20
	43+19 L	14.05	43+56 L	13.76	PVC	15	32
	43+71 R	13.68	43+93 R	13.57	PVC	15	23
	44+81 R	13.58	45+06 R	13.7	PVC	18	25
	44+84 L	13.5	45+01 L	13.6	PVC	18	17
	45+28 L	13.73	45+62 L	13.83	PVC	18	35
	45+75 R	13.9	45+92 R	13.94	PVC	18	18
	46+69 L	14.14	46+86 L	14.19	PVC	18	18
	46+81 R	14.17	47+04 R	14.22	PVC	18	23
	47+83 R	14.42	48+08 R	14.48	PVC	15	25
	48+37 R	14.54	48+54 R	14.59	PVC	15	18
	48+40 L	14.65	48+58 L	14.71	PVC	15	18
	49+35 L	14.93	49+57 L	15	PVC	15	22
	49+79 R	14.9	49+96 R	14.85	PVC	15	18
	50+85 R	14.59	51.03 R	14.51	PVC	15	19
	51+18 L	14.44	51+43 L	14.35	PVC	15	25
	51+85 R	14.3	52+06 R	14.23	PVC	15	18
	52+00 L	14.16	52+20 L	14.09	PVC	15	22
	52+33 R	14.15	52+51 R	14.1	PVC	15	22
	52+92 L	13.85	53+12 L	13.77	PVC	15	20
	53+24 R	13.87	53+59 R	13.76	PVC	18	35
	53+39 L	13.69	53+61 L	13.61	PVC	18	23
	53+63 R	13.76	54+22 R	13.58	PVC	18	60
	54+80 R	13.2	55+24 R	13.25	PVC	18	45
	55+01 L	13.2	55+18 L	13.15	PVC	18	17
	55+22 L	13.15	55+51 L	13.11	PVC	18	30
	56+01 L	12.9	56+06 L	12.7	PVC	18	8
	56+10 L	11.15	56+34 L	11.24	PVC	18	25
	55+93 R	13.15	56+04 R	13.1	PVC	18	15
	56+08 R	11.6	56+17 R	11.64	PVC	18	15
	56+59 R	12.71	56+68 R	12.8	PVC	18	10
	57+06 R	13	57+38 R	13.3	RCP	18	35
	57+49 L	11.81	57+66 L	11.9	PVC	15	20
	57+97 L	12.05	58+19 L	12.2	PVC	15	22

Rhea Street	Start Station	Start Invert (Ft)	End Station	End Invert (Ft)	Type	Size (In)	Length (Ft)
	70+45 R	12.85	70+62 R	12.9	PVC	15	17
	71+46 R	13.15	71+63 R	13.22	PVC	15	18
	71+50 L	13.36	71+68 L	13.42	PVC	15	18
	72+80 L	13.32	73+13 L	13.22	PVC	15	33
	72+83 R	13.21	73+09 R	13.14	PVC	15	25
	73+24 L	13.2	73+53 L	13.03	PVC	15	23
	73+67 R	13.03	73+84 R	12.91	PVC	15	17
	74+04 R	12.8	74+14 R	12.7	PVC	15	10
	74+28 R	12.7	74+28 R	12.8	PVC	18	10
	74+91 L	13	75+12 L	13.12	PVC	18	22
	74+94 R	12.93	75+15 R	13.05	PVC	18	21
	75+40 R	13.09	75+66 R	13.15	PVC	18	27
	75+65 L	13.24	75+84 L	13.3	PVC	18	20
	76+34 R	13.3	76+51 R	13.35	PVC	18	17
	76+74 L	13.52	77+04 L	13.6	PVC	18	30
	77+68 L	13.75	77+89 L	13.81	PVC	15	22
	77+83 R	13.62	78+00 R	13.67	PVC	15	18
	78+22 R	13.73	79+06 R	13.85	PVC	15	85
	79+10 R	13.85	79+30 R	13.94	PVC	15	20
	79+38 R	13.96	79+56 R	14	PVC	15	20
	79+39 L	14.18	79+64 L	14.25	PVC	15	25
	79+93 L	14.18	80+16 L	14.12	PVC	15	23
	80+20 R	13.87	81+12 R	13.65	PVC	15	90
	81+16 R	13.65	82+14 R	13.44	PVC	15	102
	82+18 R	13.44	82+54 R	13.38	PVC	15	37
	81+06 L	13.9	81+22 L	13.85	PVC	15	17
	81+94 L	13.69	82+13 L	13.63	PVC	15	20
	82+99 L	13.43	83+18 L	13.34	PVC	18	20
	83+30 L	13.3	83+50 L	13.25	PVC	18	20
	83+36 R	13.22	83+61 R	13.15	PVC	18	25
	84+29 R	13.03	84+54 R	12.92	PVC	18	25
	84+72 L	12.95	84+97 L	12.88	PVC	18	25
	85+04 R	12.84	85+35 R	12.75	PVC	18	30
	85+48 L	12.75	85+76 L	12.6	PVC	18	25
	85+81 L	12.7	85+88 L	12.85	PVC	15	8
	86+59 L	13.05	86+79 L	13.16	PVC	15	20
	86+80 R	13.6	86+99 R	13.8	PVC	15	20
West Ditch	Start Station	Start Invert (Ft)	End Station	End Invert (Ft)	Type	Size (In)	Length (Ft)
	41+24	13.3	41+57	13.2	RCP	24	35
	44+16	12.85	44+46	12.7	RCP	36	35
	44+50	12.3	45+92	12	CMPA	36	150
East Ditch	Start Station	Start Invert (Ft)	End Station	End Invert (Ft)	Type	Size (In)	Length (Ft)
	51+94	11.5	53+16	11.36	CMPA	36	105
	53+21	11.36	54+49	11.25	CMPA	42	130
	54+53	11.25	54+85	11.1	RCP	42	35
Middle Ditch	9+15	13.1	10+00	13.03	PVC	18	85
	24+63	12.2	24+82	12.1	PVC	18	20

Client:
ASCENSION PARISH
DEPARTMENT OF PUBLIC WORKS
42077 CHURCHPOINT RD.
GONZALES, LA 70737

Project:
WALLACE ACRES SUBDIVISION
DRAINAGE IMPROVEMENTS PROJECT
WALLACE ACRES SUBDIVISION
ASCENSION PARISH

Title:
CULVERT SCHEDULE

Description:
LOCATED IN
SECTION 4, TOWNSHIP 9 SOUTH, RANGE 3 EAST,
SOUTHEASTERN LAND DISTRICT EAST OF MISSISSIPPI RIVER,
ASCENSION PARISH, LOUISIANA

DWG Path: P:\~2017 Projects\17-247 Wallace Acres Drainage Project\Drawings\Engineering\Plans\Current\17247_CS.dwg

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STATE OF LOUISIANA
WILLIAM H. PLUESER
License No. 29367
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
2/6/19

Drawn By: EVK

Date: FEBRUARY 2019

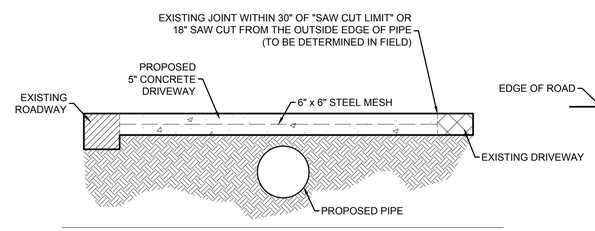
Project No.: 17-247

Sheet:
3.1 OF 53

	Start Station	End Station	Type	Amount (S.Y.)
Wallace Acres Road	10+51 L	10+96 L	Concrete	56
	11+10 L	11+64 L	Concrete	71
	12+05 R	12+35 R	Aggregate	43
	12+13 L	12+38 L	Concrete	30
	12+71 R	12+98 R	Aggregate	36
	13+24 L	13+54 L	Concrete	34
	13+65 L	14+09 L	Aggregate	58
	13+90 R	14+14 R	Concrete	28
	14+10 L	14+33 L	Concrete	25
	15+19 R	15+33 L	Asphalt Apron	5
	15+19 R	15+33 L	Aggregate	14
	15+69 R	15+86 R	Asphalt Apron	8
	15+69 R	15+86 R	Aggregate	16
	16+00 R	16+22 R	Asphalt Apron	18
	16+00 R	16+22 R	Aggregate	10
	16+05 L	16+23 L	Concrete	18
	16+76 R	16+97 R	Asphalt Apron	3
	16+76 R	16+97 R	Aggregate	24
	17+41 L	17+60 L	Concrete	21
	17+65 R	17+89 R	Concrete	22
	18+04 L	18+30 L	Aggregate	86
	18+35 L	18+41 L	Concrete	18
North Main Street	Start Station	End Station	Type	Amount (S.Y.)
	21+66 L	21+90 L	Concrete	27
	21+68 R	21+89 R	Concrete	19
	22+80 R	23+00 R	Concrete	17
	23+22 L	23+47 L	Concrete	27
	24+41 R	24+58 R	Concrete	15
	25+15 R	25+35 R	Asphalt Apron	5
	25+15 R	25+35 R	Aggregate	15
	25+17 L	25+33 L	Aggregate	26
Nye Street	Start Station	End Station	Type	Amount (S.Y.)
	30+14	30+20	Asphaltic Concrete	17
	30+66 L	30+70 L	Concrete Sidewalk	2
	30+98 R	31+25 R	Concrete	17
	31+41 L	31+50 L	Aggregate	6
	31+66 R	31+85 R	Concrete	19
	31+66 L	31+90 L	Concrete	14
	35+52 L	32+65 L	Concrete	7
	33+08 L	33+12 L	Concrete Sidewalk	1
	33+88 R	34+03 R	Aggregate	9
	33+93 L	33+96 L	Concrete Sidewalk	1
	34+21 L	34+36 L	Concrete	7

Dean Street	Start Station	End Station	Type	Amount (S.Y.)
	40+11	40+19	Asphaltic Concrete	26
	41+21 R	41+41 R	Asphaltic Apron	4
	41+21 R	41+41 R	Aggregate	22
	41+72 R	41+97 R	Concrete	28
	41+76 L	41+96 L	Concrete	19
	42+21 R	42+43 R	Concrete	21
	42+88 L	43+14 L	Aggregate	23
	43+16 L	43+56 L	Concrete	44
	43+68 R	43+94 R	Concrete	26
	44+19	44+23	Asphaltic Concrete	8
	44+83 R	45+03 R	Concrete	19
	44+83 L	45+02 L	Concrete	19
	45+27 L	45+63 L	Concrete	42
	45+74 R	45+92 R	Concrete	17
	46+66 L	46+87 L	Concrete	23
	46+79 R	47+03 R	Concrete	23
	47+83 R	48+08 R	Concrete	28
	48+37 R	48+55 R	Concrete	15
	48+40 L	48+59 L	Concrete	20
	49+36 L	49+60 L	Concrete	27
	49+81 R	49+96 R	Concrete	14
	50+83 R	51+04 R	Concrete	20
	51+16 L	51+45 L	Concrete	33
	51+83 R	52+05 R	Concrete	23
	52+01 L	52+19 L	Aggregate	24
	52+31 R	52+53 R	Concrete	23
	52+92 L	53+13 L	Concrete	11
	53+37 L	53+60 L	Concrete	23
	53+77 R	54+12 R	Aggregate	45
	54+81 R	54+99 R	Concrete	20
	55+00 L	55+19 L	Concrete	17
	55+27 L	55+51 L	Concrete	23
	56+02	56+10	Asphaltic Concrete	15
	56+10 L	56+32 L	Asphaltic Apron	5
	56+10 L	56+32 L	Aggregate	22
	56+62 R	56+65 R	Concrete Sidewalk	2
	57+47 L	57+69 L	Aggregate	21

Rhea Street	Start Station	End Station	Type	Amount (S.Y.)
	70+47 R	70+61 R	Concrete	12
	71+47 R	71+62 R	Concrete	12
	71+51 L	71+67 L	Concrete	14
	72+80 L	73+14 L	Concrete	39
	72+87 R	73+06 R	Concrete	16
	73+27 L	73+52 L	Concrete	25
	73+67 R	73+84 R	Concrete	13
	74+13	74+19	Asphaltic Concrete	11
	74+90 L	75+10 L	Concrete	19
	74+96 R	75+14 R	Concrete	14
	75+41 R	75+64 R	Concrete	21
	75+64 L	75+84 L	Concrete	17
	76+34 R	76+51 R	Concrete	14
	76+74 L	77+03 L	Concrete	36
	77+69 L	77+87 L	Concrete	15
	77+85 R	77+99 R	Concrete	11
	78+25 R	78+43 R	Concrete	15
	79+41 L	79+62 L	Concrete	15
	79+39 R	79+55 R	Concrete	8
	79+96 L	80+13 L	Aggregate	20
	80+63 R	80+77 R	Concrete	9
	81+05 L	81+22 L	Concrete	8
	81+28 R	81+57 R	Concrete	17
	81+95 L	82+14 L	Concrete	9
	82+21 R	82+55 R	Concrete	23
	83+00 L	83+17 L	Concrete	15
	83+30 L	83+52 L	Aggregate	25
	83+37 R	83+60 R	Concrete	18
	84+33 R	84+49 R	Concrete	11
	84+74 L	84+96 L	Concrete	21
	85+06 R	85+32 R	Asphaltic Apron	6
	85+06 R	85+32 R	Aggregate	16
	85+50 L	85+74 L	Concrete	25
	86+60 L	86+78 L	Concrete	22
	86+83 R	86+95 R	Aggregate	8



1 TYPICAL CONCRETE DRIVEWAY REPAIR SECTION
CLASS II BASE SECTION (RL-3) SCALE: N.T.S.

Client:
ASCENSION PARISH
DEPARTMENT OF PUBLIC WORKS
42077 CHURCHPOINT RD.
GONZALES, LA 70737

Project:
WALLACE ACRES SUBDIVISION
DRAINAGE IMPROVEMENTS PROJECT
WALLACE ACRES SUBDIVISION
ASCENSION PARISH

Title:
DRIVEWAY SCHEDULE

Description:
LOCATED IN
SECTION 4, TOWNSHIP 9 SOUTH, RANGE 3 EAST,
SOUTHEASTERN LAND DISTRICT EAST OF MISSISSIPPI RIVER,
ASCENSION PARISH, LOUISIANA

DWG Path: P:\+2017 Projects\17-247 Wallace Acres Drainage Project\Drawings\Engineering\Plans\Current\17247_2012_05.dwg

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PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
2/6/19

Drawn By: EVK
Date: FEBRUARY 2019
Project No.: 17-247
Sheet: 3.2 OF 53

Summary of Estimated Quantites

ITEM NO.	DESCRIPTION	UNIT	QTY
1	Removal of Obstructions within the Servitude as Required for Construction	Lump	1
2	Relocation of Existing Utilities As Required For Construction	Lump	1
3	Ditch Embankment & Re-Grading	L.F.	9952
4	Drainage Excavation & Removal of Unsuitable Material (to be disposed offsite)	C.Y.	1850
5	Removal of Existing Concrete Drive (6")	S.Y.	1570
6	Removal of Existing Asphalt Pavement	S.Y.	131
7	Removal of Existing Aggregate Pavement	S.Y.	569
8	Removal of Existing Catch Basin	Each	10
9	Removal of Existing Pipe (10"-15")	L.F.	2255
10	Removal of Existing Pipe (18"-30")	L.F.	919
11	Superpave Asphaltic Concrete	Ton	15
12	12" Base Course	S.Y.	60
13	Concrete Driveways (5" Thickness)	S.Y.	1570
14	Superpave Asphaltic Concrete Driveways (Level A)	Ton	30
15	Aggregate Pavement (6" Thickness)	S.Y.	569
16	Pipe Bedding and Backfill (6"-610 Limestone)	C.Y.	850
17	15" PVC Pipe	L.F.	1817
18	15" RCP Pipe	L.F.	45
19	18" PVC Pipe	L.F.	1353
20	18" RCP Pipe	L.F.	35
21	24" RCP Pipe	L.F.	35
22	36" RCP Pipe	L.F.	35
23	36" equivalent UltraFLO Pipe Arch	L.F.	255
24	42" RCP Pipe	L.F.	35
25	48" equivalent UltraFLO Pipe Arch	L.F.	130
26	Catch Basin (CB-01)	Each	5
27	Catch Basin (CB-02)	Each	5
28	Catch Basin (CB-04)	Each	5
29	Temporary Signs and Barricades	Lump	1
30	Temporary Hay Check Dam	Each	54
31	Temporary Hay or Straw Bales (Inlet Protection)	Each	15
32	Seed & Fertilize with Hulled Bermuda Grass	Ac.	4.2
33	Hydromulching Ditch Banks, Servitudes, & R/W	Ac.	5.8
34	Mobilization	Lump	1
35	Construction Stakeout	Lump	1
36	Replacement of Mailboxes	Each	20
37	Traffic Maintenance & Control	Each	1
38	Video Inspection	Lump	1
39	Maintenance Bond	Each	1
40	Replacement of Existing Wooden Headwalls	Each	2

1

Client:
ASCENSION PARISH
DEPARTMENT OF PUBLIC WORKS
42077 CHURCHPOINT RD.
GONZALES, LA 70737

Project:
WALLACE ACRES SUBDIVISION
DRAINAGE IMPROVEMENTS PROJECT
WALLACE ACRES SUBDIVISION
ASCENSION PARISH

Title:
SUMMARY OF
ESTIMATED QUANTITIES

Description:
LOCATED IN
SECTION 4, TOWNSHIP 9 SOUTH, RANGE 3 EAST,
SOUTHEASTERN LAND DISTRICT EAST OF MISSISSIPPI RIVER,
ASCENSION PARISH, LOUISIANA

DWG Path: P:\~2017 Projects\17-247 Wallace Acres Drainage Project\Drawings\Engineering\Plans\Current\17247_04_00.dwg

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PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
5/9/19

Drawn By: EVK
Date: FEBRUARY 2019
Project No.: 17-247
Sheet: 4 OF 53

SCALE: 1"=50'

50 0 50 100

N

CAROL L. MCMANUS
41399 GLEN WILLIAMS RD.
GONZALES, LA 70737
(NOW OR FORMERLY)

KASEY W. MARCHAND
41026 WALLACE ACRES RD.
GONZALES, LA 70737
(NOW OR FORMERLY)

KYLE GUIDRY
41042 WALLACE ACRES RD.
GONZALES, LA 70737
(NOW OR FORMERLY)

MARY T. HOOD
41058 WALLACE ACRES RD.
GONZALES, LA 70737
(NOW OR FORMERLY)

WALLACE L. GAINEY, III
41074 WALLACE ACRES RD.
GONZALES, LA 70737
(NOW OR FORMERLY)

ANDY J. ST.PIERRE
41082 WALLACE ACRES RD.
GONZALES, LA 70737
(NOW OR FORMERLY)

LOUISIANA HWY 44
(EX. RIGHT-OF-WAY VARIES)

WALLACE ACRES RD.
(APPROX. 40' RIGHT-OF-WAY)

Begin Construction
CL. Sta. 10+00.00 Wallace Acres Rd.

Begin Construction
CL. Sta. 10+00.00 North Ditch

CL. Sta. 14+20.21 North Ditch =
CL. Sta. 40+00.00 West Ditch

CL. Sta. 18+17.69 Wallace Acres Rd. =
CL. Sta. 20+00.00 North Main St.

EX. BUILDING SLAB

PATRICK A. IRWIN
41090 DEAN ST.
GONZALES, LA 70737
(NOW OR FORMERLY)

DEBORAH M. JANIS
41102 DEAN ST.
GONZALES, LA 70737
(NOW OR FORMERLY)

SHAWN C. COOK
2225 S. RINGER AVE.
GONZALES, LA 70737
(NOW OR FORMERLY)

DEREK A. RODDY, SR.
41122 DEAN ST.
GONZALES, LA 70737
(NOW OR FORMERLY)

SHERRY P. BRAUD
41132 DEAN ST.
GONZALES, LA 70737
(NOW OR FORMERLY)

LARRY P. TEMPLET
41142 DEAN ST.
GONZALES, LA 70737
(NOW OR FORMERLY)

PERRY J. DAIGLE
41077 WALLACE ACRES RD.
GONZALES, LA 70737
(NOW OR FORMERLY)

CL. Sta. 21+12.93 North Main St. =
CL. Sta. 40+00.00 Dean St.

DEAN ST.
(APPROX. 40' RIGHT-OF-WAY)

CL. Sta. 44+20.65 Dean St. =
CL. Sta. 41+41.46 West Ditch

See Sheet No. 6

WALLACE PINES PARK, L.L.C.
42514 CLOUATRE RD.
GONZALES, LA 70737
(NOW OR FORMERLY)

WILLIAM S. GROVERS
41043 WALLACE ACRES RD.
GONZALES, LA 70737
(NOW OR FORMERLY)

DON MOSLEY
13362 BAYOU TERRACE DR.
SANIT AMANT, LA 70774
(NOW OR FORMERLY)

NORTH MAIN ST.
(APPROX. 40' RIGHT-OF-WAY)

DAVID L. HEXIMER, III
15202 NORTH MAIN ST.
GONZALES, LA 70737
(NOW OR FORMERLY)

MARK A. BLAKEMAN
41099 DEAN ST.
GONZALES, LA 70737
(NOW OR FORMERLY)

TRACY B. EDDY
41111 DEAN ST.
GONZALES, LA 70737
(NOW OR FORMERLY)

LAMAKA BROOKS
41119 DEAN ST.
GONZALES, LA 70737
(NOW OR FORMERLY)

DAUTON W. ACHORD
41131 DEAN ST.
GONZALES, LA 70737
(NOW OR FORMERLY)

JAN E. TIBBS
41139 DEAN ST.
GONZALES, LA 70737
(NOW OR FORMERLY)

EDWARD J. SCOTT
15201 NORTH MAIN ST.
GONZALES, LA 70737
(NOW OR FORMERLY)

CL. Sta. 13+11.22 Middle Ditch =
CL. Sta. 42+88.37 West Ditch

JESSE TYLER TUBBS
15189 NORTH MAIN ST.
GONZALES, LA 70737
(NOW OR FORMERLY)

ROY J. WALKER
15190 NORTH MAIN ST.
GONZALES, LA 70737
(NOW OR FORMERLY)

WAVIA D. ITAL
41106 RHEA ST.
GONZALES, LA 70737
(NOW OR FORMERLY)

SYDNEY A. KELLER
41116 RHEA ST.
GONZALES, LA 70737
(NOW OR FORMERLY)

JAMAAL LEE
41126 RHEA ST.
GONZALES, LA 70737
(NOW OR FORMERLY)

STACY D. BRUNER
41136 RHEA ST.
GONZALES, LA 70737
(NOW OR FORMERLY)

JEFFEORY JOHNSON
41146 RHEA ST.
GONZALES, LA 70737
(NOW OR FORMERLY)

ROBERT BURNS
15149 SUMMERLIN TRACE DR.
GONZALES, LA 70737
(NOW OR FORMERLY)

CHRISTOPHER R. SAMSON
15172 VILLA COURT EAST
GONZALES, LA 70737
(NOW OR FORMERLY)

CL. Sta. 74+15.82 Rhea St. =
CL. Sta. 44+33.20 West Ditch

EX. BUILDING SLAB

See Sheet No. 6

CL. Sta. 24+01.85 North Main St. =
CL. Sta. 70+00.00 Rhea St.

RHEA ST.
(APPROX. 40' RIGHT-OF-WAY)

RONDRICK M. GRAY
15176 VILLA COURT EAST
GONZALES, LA 70737
(NOW OR FORMERLY)

PAUL G. FORTENBERRY
15177 NORTH MAIN ST.
GONZALES, LA 70737
(NOW OR FORMERLY)

SHANE ERVIN
45477 STRINGER BRIDGE RD.
SAINT AMANT, LA 70774
(NOW OR FORMERLY)

JOSEPH T. HARDY
41105 RHEA ST.
GONZALES, LA 70737
(NOW OR FORMERLY)

JOEL J. KLEIN
41115 RHEA ST.
GONZALES, LA 70737
(NOW OR FORMERLY)

MICHAEL R. BARGER
41123 RHEA ST.
GONZALES, LA 70737
(NOW OR FORMERLY)

ROBERT B. SIMMONS, JR.
41135 RHEA ST.
GONZALES, LA 70737
(NOW OR FORMERLY)

KIMBERLY Y. CHOPIN
41145 RHEA ST.
GONZALES, LA 70737
(NOW OR FORMERLY)

BIRNEY L. MALBROUGH
15170 VILLA COURT EAST
GONZALES, LA 70737
(NOW OR FORMERLY)

KIANA A. TELFAIR
15164 VILLA COURT EAST
GONZALES, LA 70737
(NOW OR FORMERLY)

VILLA COURT EAST
(EX. RIGHT-OF-WAY VARIES)

EXISTING POND

NARVIE W. CANNON
41415 NARVIE RD.
GONZALES, LA 70737
(NOW OR FORMERLY)

CL. Sta. 16+22.65 South Ditch =
CL. Sta. 46+06.91 West Ditch

NANCY T. WAGNER
15158 VILLA COURT EAST
GONZALES, LA 70737
(NOW OR FORMERLY)

EX. (4) 14± L.F. x 12" HDPE CULVERT

NATHAN J. STAFFORD
15165 NORTH MAIN ST.
GONZALES, LA 70737
(NOW OR FORMERLY)

BRAIN E. DAVIS
15154 VILLA COURT EAST
GONZALES, LA 70737
(NOW OR FORMERLY)

LEGEND:

- OE — EXIST. OVERHEAD ELECTRIC LINE
- EXIST. GRATE INLET
- EXIST. SANITARY SEWER CLEAN OUT
- EXIST. POWER POLE
- EXIST. UTILITY POLE
- EXIST. GUY WIRE
- EXIST. TELEPHONE PEDESTAL
- EXIST. FIRE HYDRANT
- EXIST. WATER METER
- EXIST. WATER VALVE
- EXIST. GAS METER
- MB EXIST. MAIL BOX
- EXIST. TRAFFIC SIGN
- x EXIST. FENCE
- EXIST. DITCH CENTERLINE
- FLOW ARROW

SITE TEMPORARY BENCH MARK (TBM):

TBM1: MAG NAIL SET IN ROADWAY APPROXIMATELY 108' NORTH OF THE INTERSECTION OF NORTH MAIN ST. AND DEAN ST.
ELEVATION = 16.42 FEET

TBM2: MAG NAIL SET IN ROADWAY, APPROXIMATELY 415' EAST OF THE INTERSECTION OF NORTH MAIN ST. AND DEAN ST.
ELEVATION = 16.67'

TBM3: MAG NAIL SET IN ROADWAY, APPROXIMATELY 405' EAST OF THE INTERSECTION OF NORTH MAIN ST. AND RHEA ST.
ELEVATION = 15.99'

UTILITY NOTE:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION, DEPTH AND SIZE OF ALL UNDERGROUND UTILITIES AND STRUCTURES AND SHALL BE LIABLE FOR ANY DAMAGE CAUSED BY FAILURE TO COMPLY WITH THESE INSTRUCTIONS.

LA One Call™
1-800-272-3020

Client:
ASCENSION PARISH
DEPARTMENT OF PUBLIC WORKS
42077 CHURCHPOINT RD.
GONZALES, LA 70737

Project:
WALLACE ACRES SUBDIVISION
DRAINAGE IMPROVEMENTS PROJECT
WALLACE ACRES SUBDIVISION
ASCENSION PARISH

Title:
EXISTING CONDITIONS LAYOUT

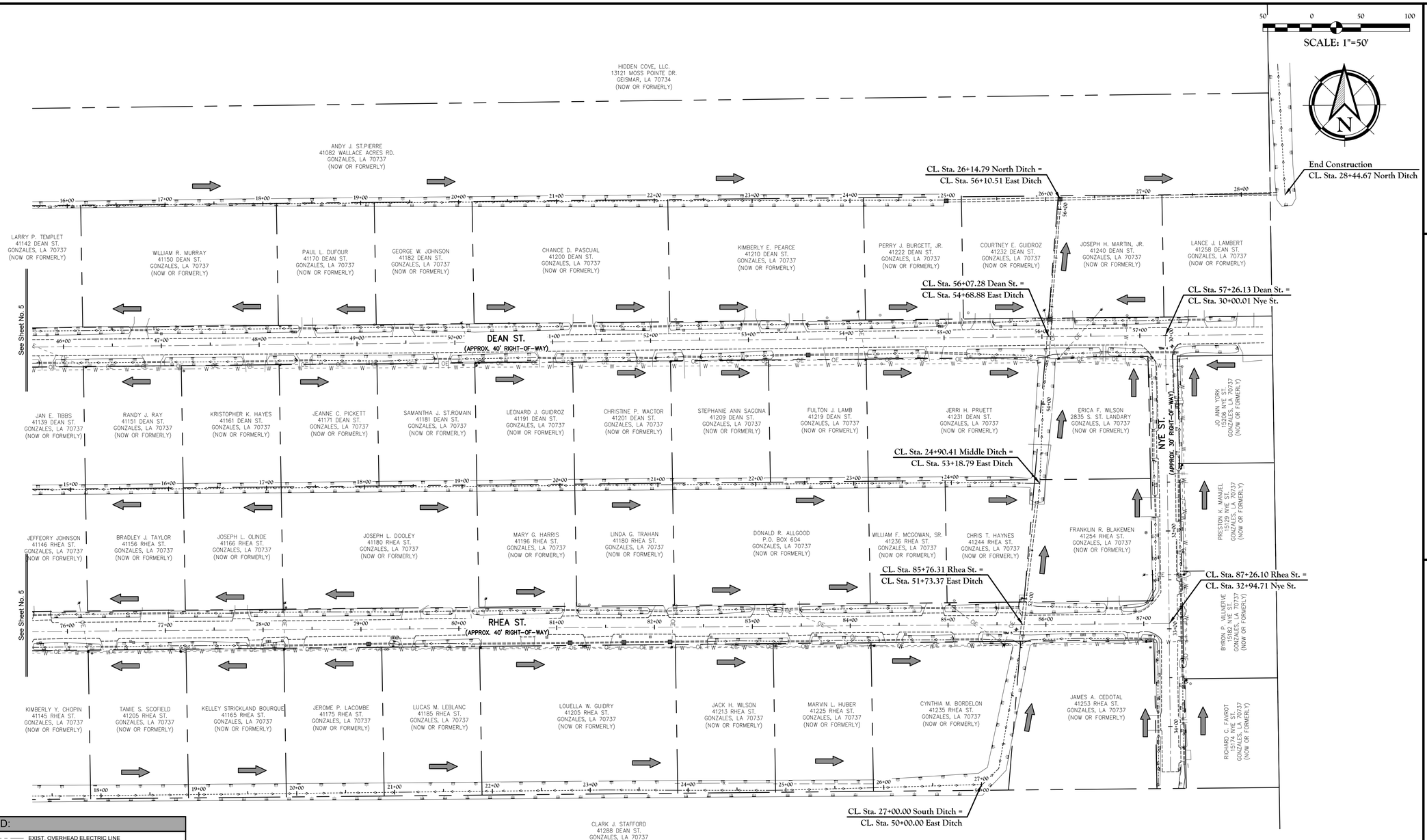
Description:
LOCATED IN
SECTION 4, TOWNSHIP 9 SOUTH, RANGE 3 EAST,
SOUTHEASTERN LAND DISTRICT EAST OF MISSISSIPPI RIVER,
ASCENSION PARISH, LOUISIANA

DWG Path: P:\y2017 Projects\17-247 Wallace Acres Drainage Project\Drawings\Engineering\Plans\Current\17247_05_EL.dwg

QUALITY
Engineering & Surveying, LLC
18320 Hwy 42 Port Vincent, LA 70726
225.698.1600 | www.qeela.com | info@qeela.com

Stamp:
STATE OF LOUISIANA
WILLIAM H. PLOEGER
License No. 29357
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
5/6/19

Drawn By: EVK
Date: FEBRUARY 2019
Project No.: 17-247
Sheet: 5 OF 53



LEGEND:

- EXIST. OVERHEAD ELECTRIC LINE
- EXIST. GRATE INLET
- EXIST. SANITARY SEWER CLEAN OUT
- EXIST. POWER POLE
- EXIST. UTILITY POLE
- EXIST. GUY WIRE
- EXIST. TELEPHONE PEDESTAL
- EXIST. FIRE HYDRANT
- EXIST. WATER METER
- EXIST. WATER VALVE
- EXIST. GAS METER
- EXIST. MAIL BOX
- EXIST. TRAFFIC SIGN
- EXIST. FENCE
- EXIST. DITCH CENTERLINE
- FLOW ARROW

SITE TEMPORARY BENCH MARK (TBM):

TBM4: MAG SPIKE SET IN ROADWAY, APPROXIMATELY 16.2' SOUTHEAST OF THE INTERSECTION OF DEAN ST AND NYE ST.
ELEVATION = 16.20'

TBM5: 60d NAIL SET IN ROADWAY, APPROXIMATELY 157' WEST OF THE INTERSECTION OF RHEA ST. AND NYE ST.
ELEVATION = 16.89'

UTILITY NOTE:

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LA One Call™ 1-800-272-3020

Client: ASCENSION PARISH
DEPARTMENT OF PUBLIC WORKS
42077 CHURCHPOINT RD.
GONZALES, LA 70737

Project: WALLACE ACRES SUBDIVISION
DRAINAGE IMPROVEMENTS PROJECT
WALLACE ACRES SUBDIVISION
ASCENSION PARISH

Title: EXISTING CONDITIONS LAYOUT

Description: LOCATED IN
SECTION 4, TOWNSHIP 9 SOUTH, RANGE 3 EAST,
SOUTHEASTERN LAND DISTRICT EAST OF MISSISSIPPI RIVER.
ASCENSION PARISH, LOUISIANA

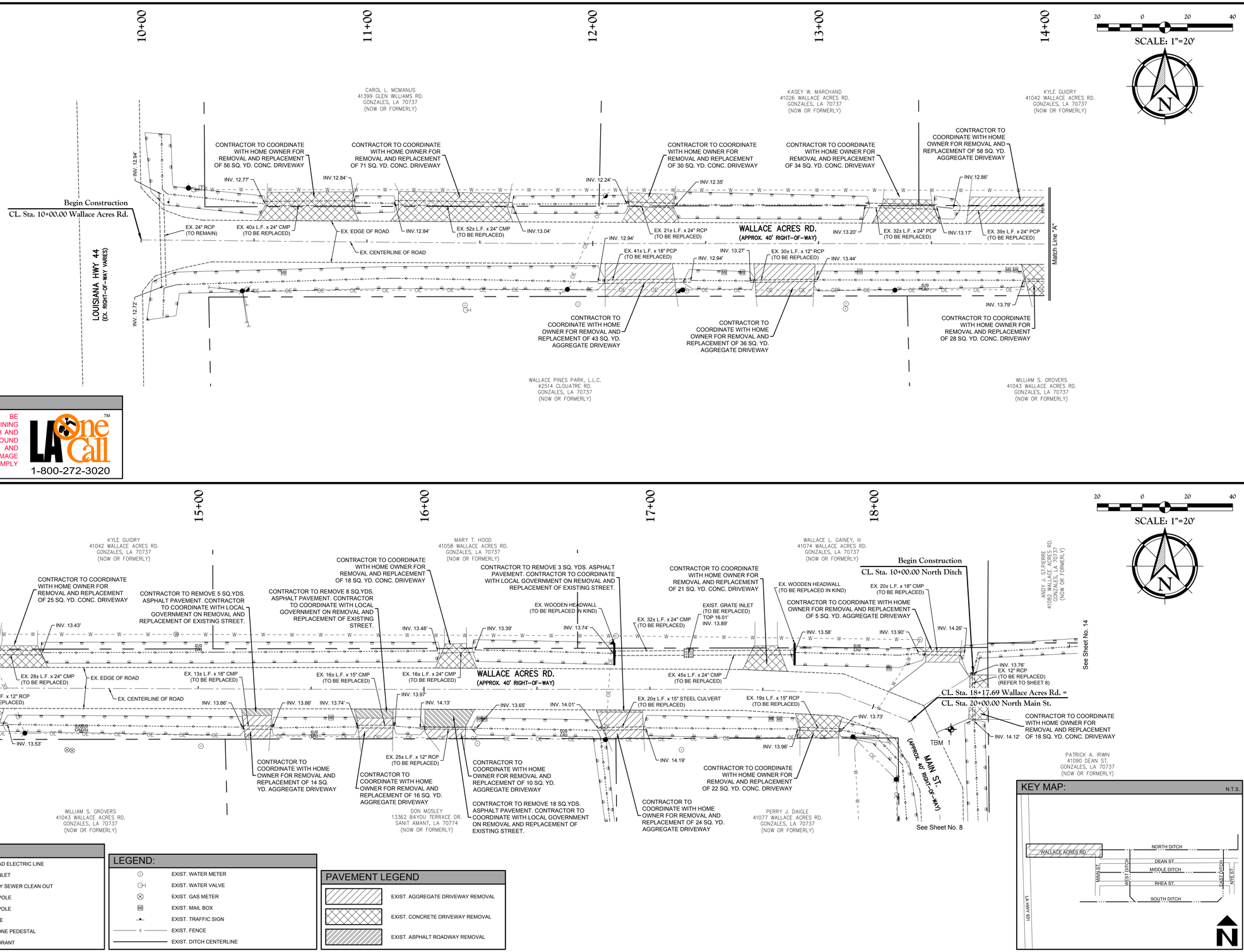
DWG Path: P:\~2017 Projects\17-247 Wallace Acres Drainage Project\Drawings\Engineering\Plans\Current\17247_05_EL.dwg

QUALITY
Engineering & Surveying, LLC
18320 Hwy 42 Port Vincent, LA 70726
225.698.1600 | www.qesla.com | info@qesla.com

Stamp:
STATE OF LOUISIANA
WILLIAM H. PLUCKER
Registered No. 29367
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
4/9/19

Drawn By: EVK
Date: FEBRUARY 2019
Project No.: 17-247

Sheet: 6 OF 53



UTILITY NOTE:

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LA One Call™ 1-800-272-3020

KEY MAP: N.T.S.

LEGEND:

- OE — EXIST. OVERHEAD ELECTRIC LINE
- EXIST. GRATE INLET
- EXIST. SANITARY SEWER CLEAN OUT
- EXIST. POWER POLE
- EXIST. UTILITY POLE
- EXIST. GUY WIRE
- EXIST. TELEPHONE PEDESTAL
- EXIST. FIRE HYDRANT

LEGEND:

- EXIST. WATER METER
- EXIST. WATER VALVE
- EXIST. GAS METER
- EXIST. MAIL BOX
- EXIST. TRAFFIC SIGN
- x — EXIST. FENCE
- EXIST. DITCH CENTERLINE

PAVEMENT LEGEND

- EXIST. AGGREGATE DRIVEWAY REMOVAL
- EXIST. CONCRETE DRIVEWAY REMOVAL
- EXIST. ASPHALT ROADWAY REMOVAL

Client: ASCENSION PARISH
DEPARTMENT OF PUBLIC WORKS
42077 CHURCHPOINT RD.
GONZALES, LA 70737

Project: WALLACE ACRES SUBDIVISION
DRAINAGE IMPROVEMENTS PROJECT
WALLACE ACRES SUBDIVISION
ASCENSION PARISH

Title: WALLACE ACRES RD. EXISTING CONDITIONS and DEMOLITION PLAN
STA. 10+00 to STA. 18+17.69

Description: LOCATED IN SECTION 4, TOWNSHIP 9 SOUTH, RANGE 3 EAST, SOUTHEASTERN LAND DISTRICT EAST OF MISSISSIPPI RIVER, ASCENSION PARISH, LOUISIANA

DWG Path: P:\-\2017 Projects\17-247 Wallace Acres Drainage Project\Drawings\Engineering\Plans\Current\17247_07_EX (Wallace Acres #4).dwg

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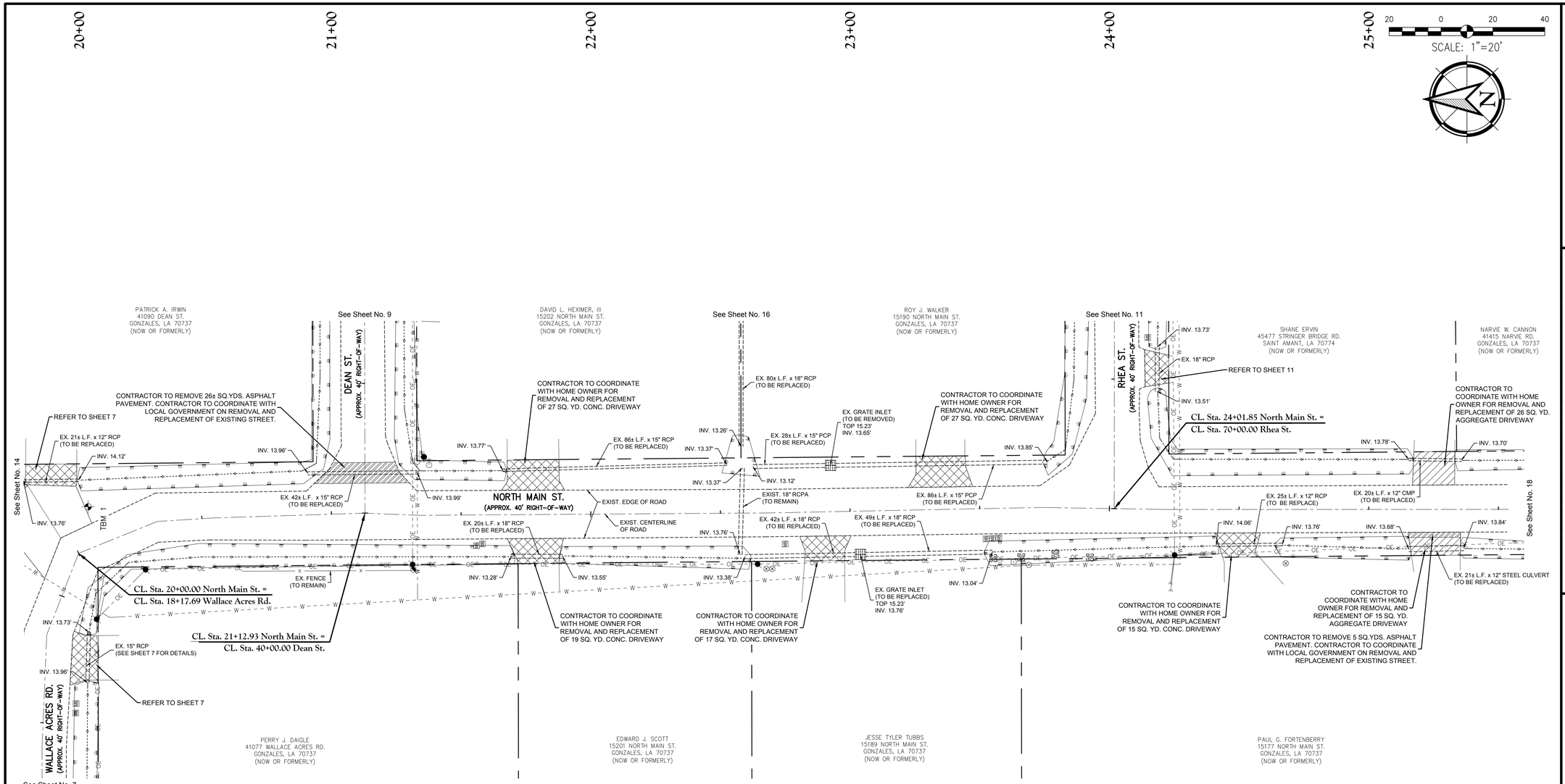
18320 Hwy 42 Port Vincent, LA 70726
225.698.1600 | www.qesla.com | info@qesla.com

Stamp: STATE OF LOUISIANA — WILLIAM H. PLUCKER — License No. 29357 — PROFESSIONAL ENGINEER IN — CIVIL ENGINEERING — 6/19

Drawn By: EVK
Date: FEBRUARY 2019
Project No.: 17-247
Sheet: 7 OF 53



LEGEND:

- EXIST. OVERHEAD ELECTRIC LINE
- EXIST. GRATE INLET
- EXIST. SANITARY SEWER CLEAN OUT
- EXIST. POWER POLE
- EXIST. UTILITY POLE
- EXIST. GUY WIRE
- EXIST. TELEPHONE PEDESTAL
- EXIST. FIRE HYDRANT
- EXIST. WATER METER
- EXIST. WATER VALVE
- EXIST. GAS METER
- EXIST. MAIL BOX
- EXIST. TRAFFIC SIGN
- EXIST. FENCE
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UTILITY NOTE:

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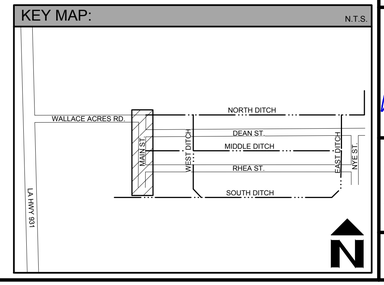
PAVEMENT LEGEND

- EXIST. AGGREGATE DRIVEWAY REMOVAL
- EXIST. CONCRETE DRIVEWAY REMOVAL
- EXIST. ASPHALT ROADWAY REMOVAL

KEY MAP: N.T.S.



Client: ASCENSION PARISH
DEPARTMENT OF PUBLIC WORKS
42077 CHURCHPOINT RD.
GONZALES, LA 70737

Project: WALLACE ACRES SUBDIVISION
DRAINAGE IMPROVEMENTS PROJECT
WALLACE ACRES SUBDIVISION
ASCENSION PARISH

Title: NORTH MAIN ST. EXISTING CONDITIONS and DEMOLITION PLAN STA. 20+00 to STA. 25+53.87

Description: LOCATED IN SECTION 4, TOWNSHIP 9 SOUTH, RANGE 3 EAST, SOUTHEASTERN LAND DISTRICT EAST OF MISSISSIPPI RIVER, ASCENSION PARISH, LOUISIANA

DWG Path: P:\-2017 Projects\17-247 Wallace Acres Drainage Project\Drawings\Engineering\Plans\Current\17247_DR_ES (North Main St.).dwg

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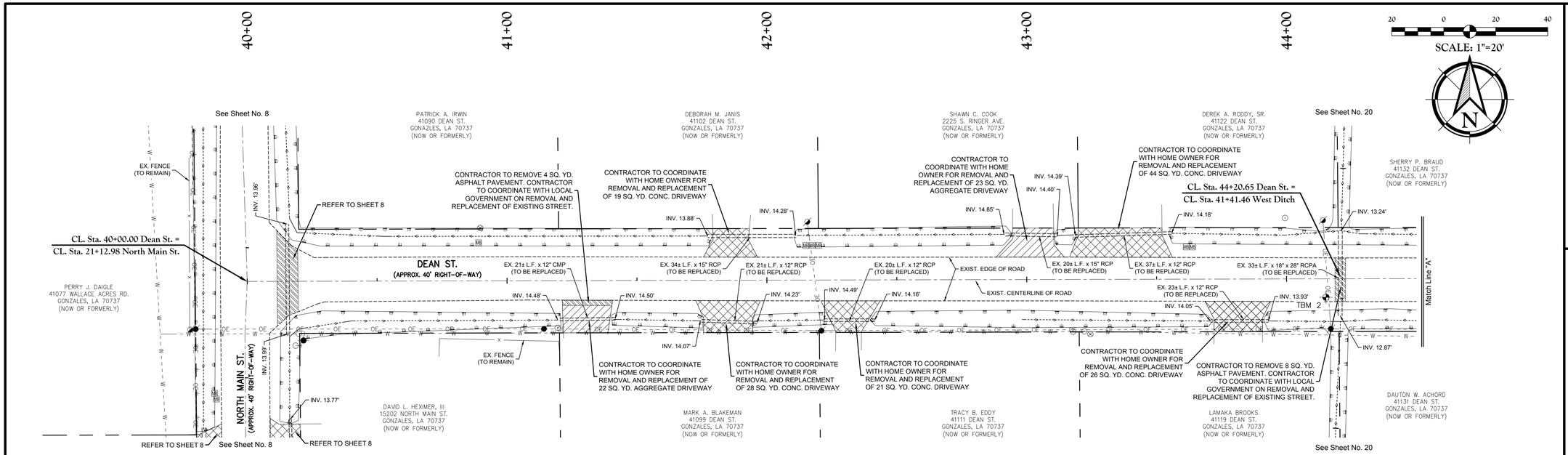
18320 Hwy 42 Port Vincent, LA 70726
225.698.1600 | www.qesla.com | info@qesla.com

Stamp:
STATE OF LOUISIANA
WILLIAM H. PLUSSER
License No. 29357
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
6/19/19

Drawn By: EVK
Date: FEBRUARY 2019
Project No.: 17-247
Sheet: 8 OF 53



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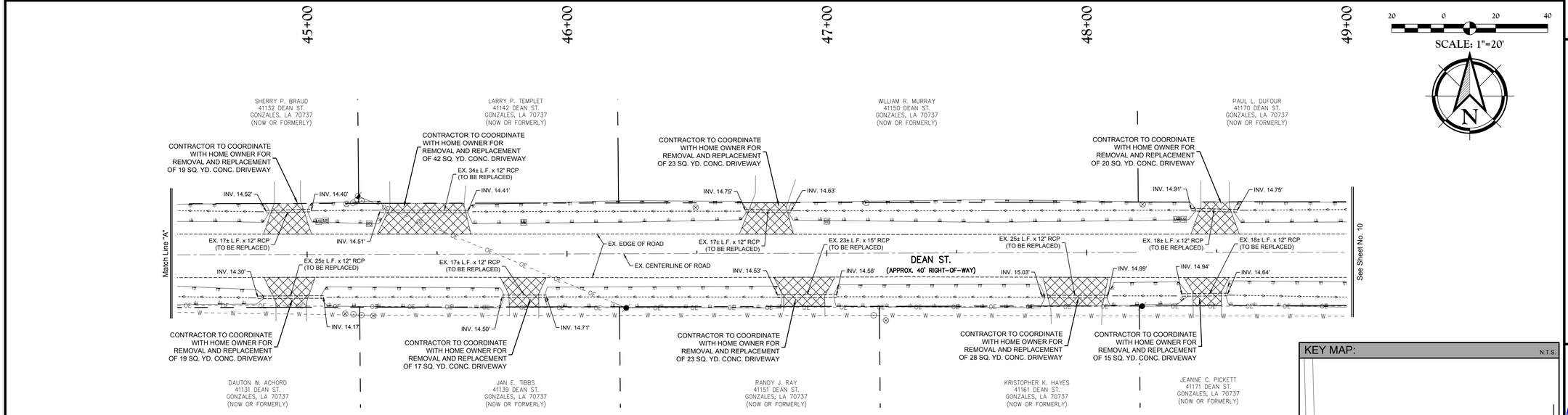


LEGEND:

- EXIST. OVERHEAD ELECTRIC LINE
- EXIST. GRATE INLET
- EXIST. SANITARY SEWER CLEAN OUT
- EXIST. POWER POLE
- EXIST. UTILITY POLE
- EXIST. GUY WIRE
- EXIST. TELEPHONE PEDESTAL
- EXIST. FIRE HYDRANT

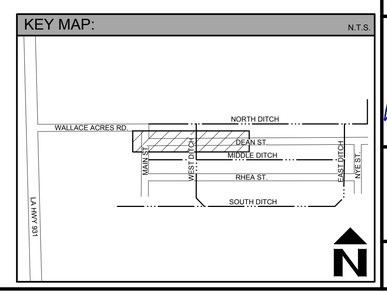
LEGEND:

- EXIST. WATER METER
- EXIST. WATER VALVE
- EXIST. GAS METER
- EXIST. MAIL BOX
- EXIST. TRAFFIC SIGN
- EXIST. FENCE
- EXIST. DITCH CENTERLINE

PAVEMENT LEGEND

- EXIST. AGGREGATE DRIVEWAY REMOVAL
- EXIST. CONCRETE DRIVEWAY REMOVAL
- EXIST. ASPHALT ROADWAY REMOVAL

KEY MAP: N.T.S.



Client: ASCENSION PARISH
DEPARTMENT OF PUBLIC WORKS
42077 CHURCHPOINT RD.
GONZALES, LA 70737

Project: WALLACE ACRES SUBDIVISION
DRAINAGE IMPROVEMENTS PROJECT
WALLACE ACRES SUBDIVISION
ASCENSION PARISH

Title: DEAN ST. EXISTING CONDITIONS and DEMOLITION PLAN
STA. 40+00 to STA. 49+00

Description: LOCATED IN SECTION 4, TOWNSHIP 9 SOUTH, RANGE 3 EAST, SOUTHEASTERN LAND DISTRICT EAST OF MISSISSIPPI RIVER, ASCENSION PARISH, LOUISIANA

DWG Path: P:\-2017 Projects\17-247 Wallace Acres Drainage Project\Drawings\Engineering\Plans\Current\17247_09_01 (Dean St.).dwg

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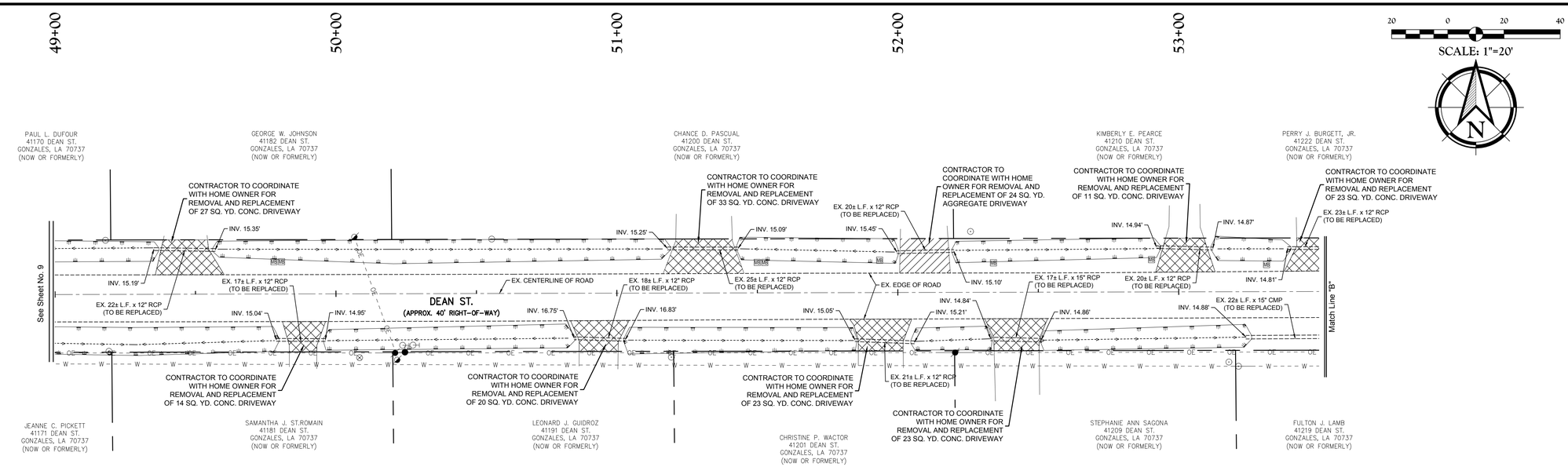
18320 Hwy 42 Port Vincent, LA 70726
225.698.1600 | www.qesla.com | info@qesla.com

Stamp: STATE OF LOUISIANA — WILLIAM H. HUEBNER — License No. 29357 — PROFESSIONAL ENGINEER IN CIVIL ENGINEERING — 5/10/19

Drawn By: EVK
Date: FEBRUARY 2019
Project No.: 17-247
Sheet: 9 OF 53



UTILITY NOTE:

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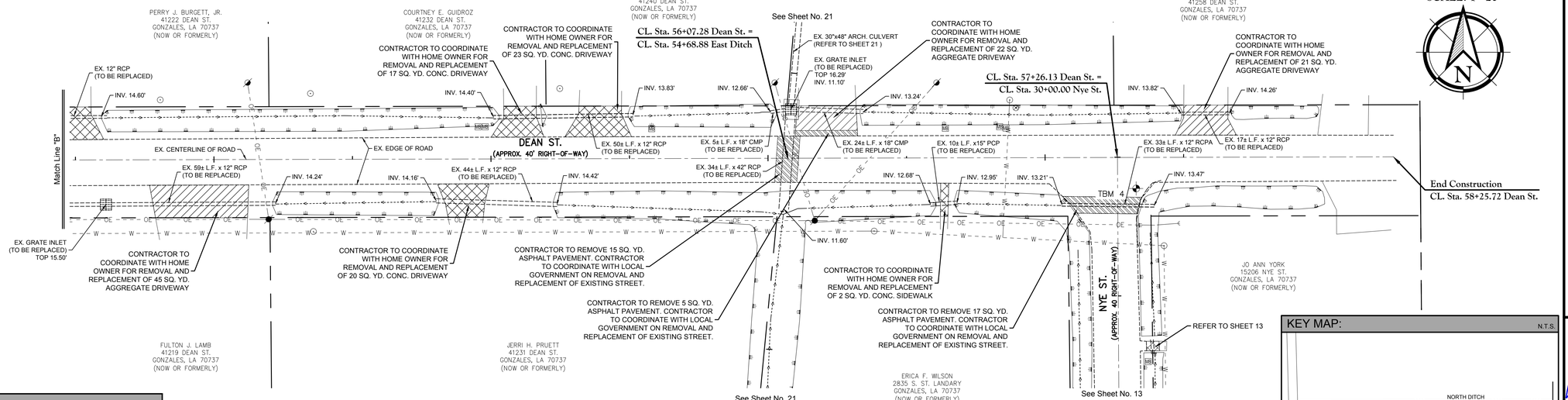
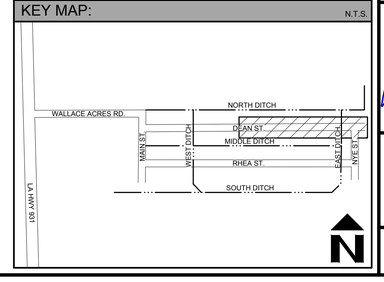


KEY MAP: N.T.S.



LEGEND:

OE	EXIST. OVERHEAD ELECTRIC LINE
	EXIST. GRATE INLET
	EXIST. SANITARY SEWER CLEAN OUT
	EXIST. POWER POLE
	EXIST. UTILITY POLE
	EXIST. GUY WIRE
T	EXIST. TELEPHONE PEDESTAL
	EXIST. FIRE HYDRANT

LEGEND:

W	EXIST. WATER METER
	EXIST. WATER VALVE
	EXIST. GAS METER
MB	EXIST. MAIL BOX
	EXIST. TRAFFIC SIGN
x	EXIST. FENCE
	EXIST. DITCH CENTERLINE

PAVEMENT LEGEND

	EXIST. AGGREGATE DRIVEWAY REMOVAL
	EXIST. CONCRETE DRIVEWAY REMOVAL
	EXIST. ASPHALT ROADWAY REMOVAL

Client: ASCENSION PARISH
DEPARTMENT OF PUBLIC WORKS
42077 CHURCHPOINT RD.
GONZALES, LA 70737

Project: WALLACE ACRES SUBDIVISION
DRAINAGE IMPROVEMENTS PROJECT
WALLACE ACRES SUBDIVISION
ASCENSION PARISH

Title: DEAN ST. EXISTING CONDITIONS and DEMOLITION PLAN
STA. 49+00 to STA. 57+92.56

Description: LOCATED IN SECTION 4, TOWNSHIP 9 SOUTH, RANGE 3 EAST, SOUTHEASTERN LAND DISTRICT EAST OF MISSISSIPPI RIVER, ASCENSION PARISH, LOUISIANA

DWG Path: P:\~2017 Projects\17-247 Wallace Acres Drainage Project\Drawings\Engineering\Plans\Current\17247_09_EX (Dean St.).dwg

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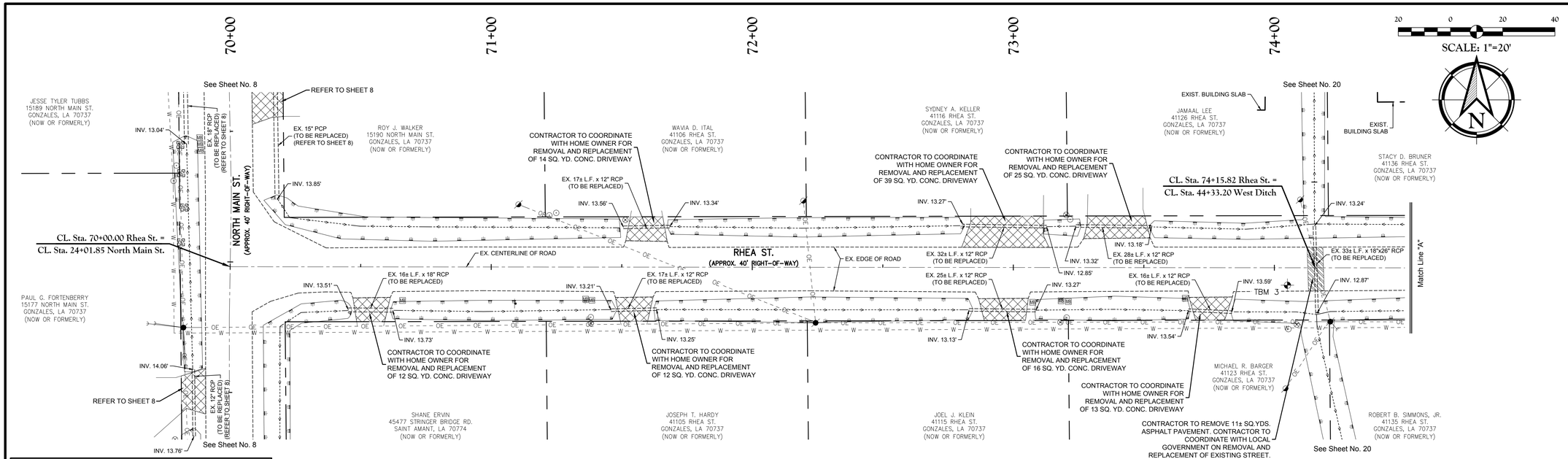
225.698.1600 | www.qesla.com | info@qesla.com

Stamp:
STATE OF LOUISIANA
WILLIAM H. PLUCKER
License No. 29357
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
2/19/19

Drawn By: EVK
Date: FEBRUARY 2019
Project No.: 17-247

Sheet: 10 OF 53



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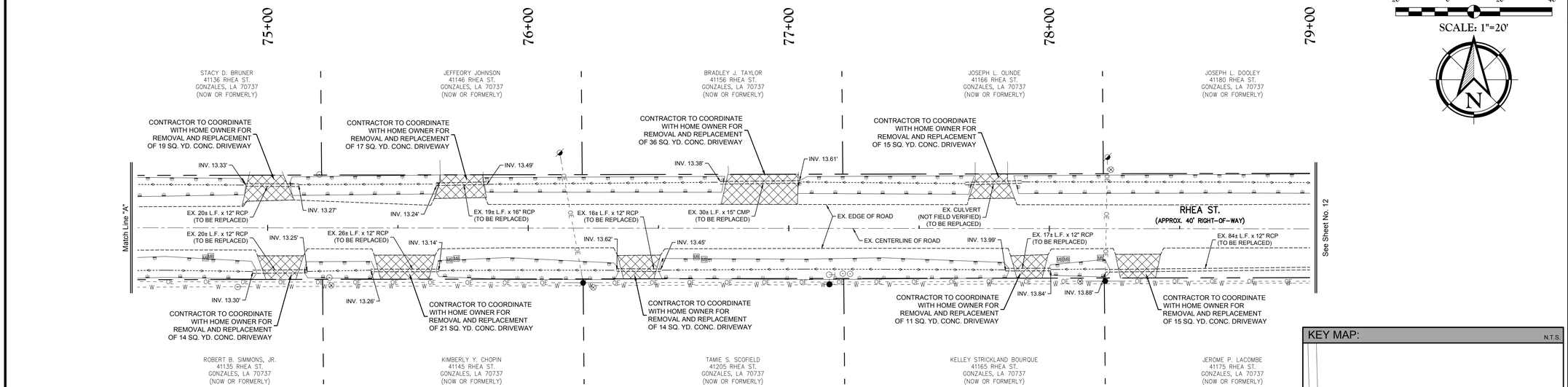

LEGEND:

- OE — EXIST. OVERHEAD ELECTRIC LINE
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- EXIST. FIRE HYDRANT

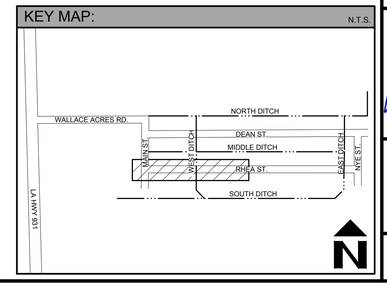
LEGEND:

- EXIST. WATER METER
- EXIST. WATER VALVE
- EXIST. GAS METER
- MB — EXIST. MAIL BOX
- EXIST. TRAFFIC SIGN
- x — EXIST. FENCE
- EXIST. DITCH CENTERLINE

PAVEMENT LEGEND

- EXIST. AGGREGATE DRIVEWAY REMOVAL
- EXIST. CONCRETE DRIVEWAY REMOVAL
- EXIST. ASPHALT ROADWAY REMOVAL

KEY MAP: N.T.S.



Client: ASCENSION PARISH DEPARTMENT OF PUBLIC WORKS 42077 CHURCHPOINT RD. GONZALES, LA 70737

Project: WALLACE ACRES SUBDIVISION DRAINAGE IMPROVEMENTS PROJECT WALLACE ACRES SUBDIVISION ASCENSION PARISH

Title: RHEA ST. EXISTING CONDITIONS and DEMOLITION PLAN STA. 70+00 to STA. 79+00

Description: LOCATED IN SECTION 4, TOWNSHIP 9 SOUTH, RANGE 3 EAST, SOUTHEASTERN LAND DISTRICT EAST OF MISSISSIPPI RIVER, ASCENSION PARISH, LOUISIANA

DWG Path: P:\-2017 Projects\17-247 Wallace Acres Drainage Project\Drawings\Engineering\Plans\Cornell\17247_11_EX (Rhea St.).dwg

QUALITY Engineering & Surveying, LLC
18320 Hwy 42 Port Vincent, LA 70726
225.698.1600 | www.qesla.com | info@qesla.com

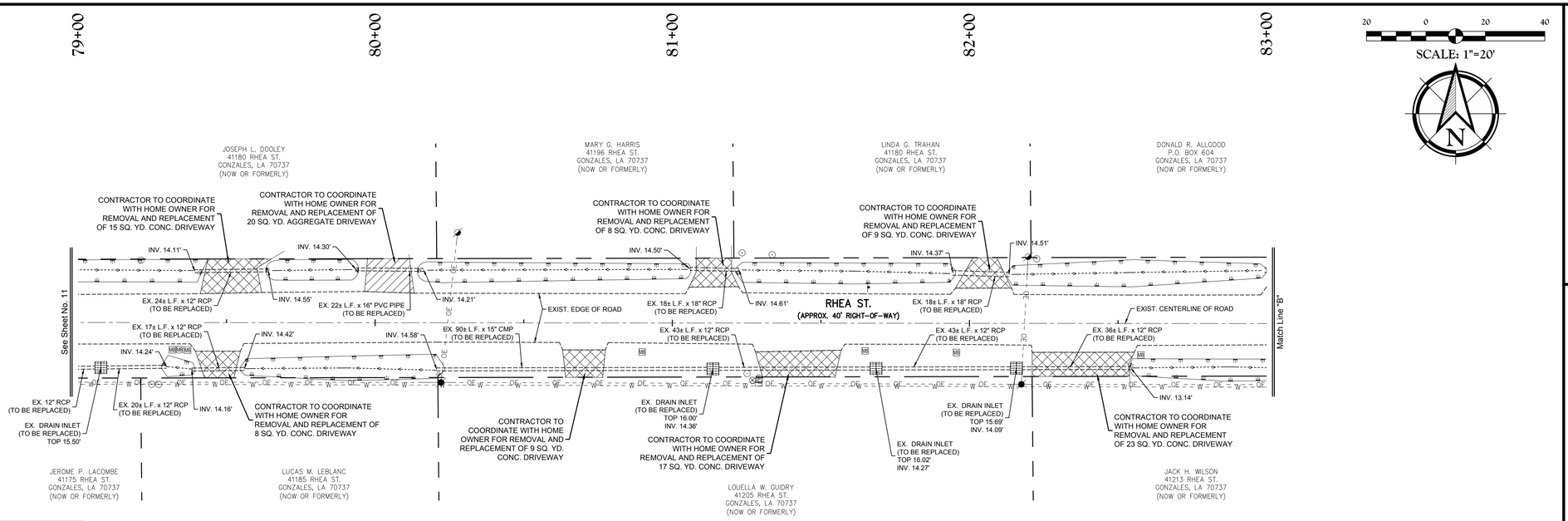
Stamp: STATE OF LOUISIANA — WILLIAM H. PLUSER — License No. 29357 — PROFESSIONAL ENGINEER IN CIVIL ENGINEERING — 5/9/19

Drawn By: EVK

Date: FEBRUARY 2019

Project No.: 17-247

Sheet: 11 OF 53



UTILITY NOTE:

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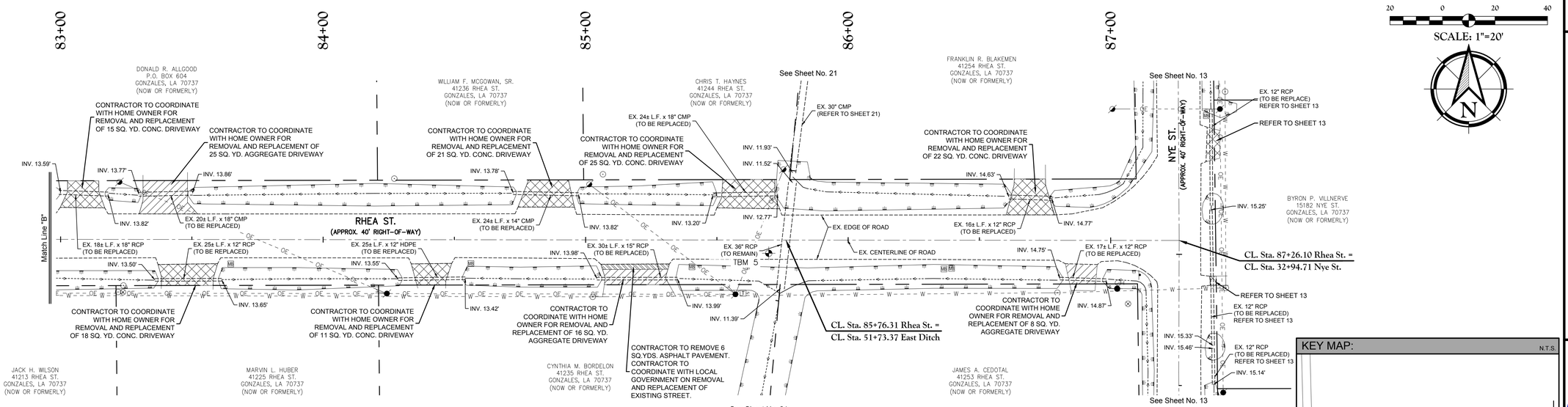


LEGEND:

- EXIST. OVERHEAD ELECTRIC LINE
- EXIST. GRATE INLET
- EXIST. SANITARY SEWER CLEAN OUT
- EXIST. POWER POLE
- EXIST. UTILITY POLE
- EXIST. GUY WIRE
- EXIST. TELEPHONE PEDESTAL
- EXIST. FIRE HYDRANT

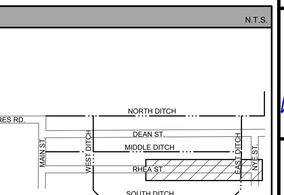
LEGEND:

- EXIST. WATER METER
- EXIST. WATER VALVE
- EXIST. GAS METER
- EXIST. MAIL BOX
- EXIST. TRAFFIC SIGN
- EXIST. FENCE
- EXIST. DITCH CENTERLINE

PAVEMENT LEGEND

- EXIST. AGGREGATE DRIVEWAY REMOVAL
- EXIST. CONCRETE DRIVEWAY REMOVAL
- EXIST. ASPHALT ROADWAY REMOVAL

KEY MAP: N.T.S.



Client: ASCENSION PARISH
DEPARTMENT OF PUBLIC WORKS
42077 CHURCHPOINT RD.
GONZALES, LA 70737

Project: WALLACE ACRES SUBDIVISION
DRAINAGE IMPROVEMENTS PROJECT
WALLACE ACRES SUBDIVISION
ASCENSION PARISH

Title: RHEA ST. EXISTING CONDITIONS and DEMOLITION PLAN
STA. 79+00 to STA. 87+26.10

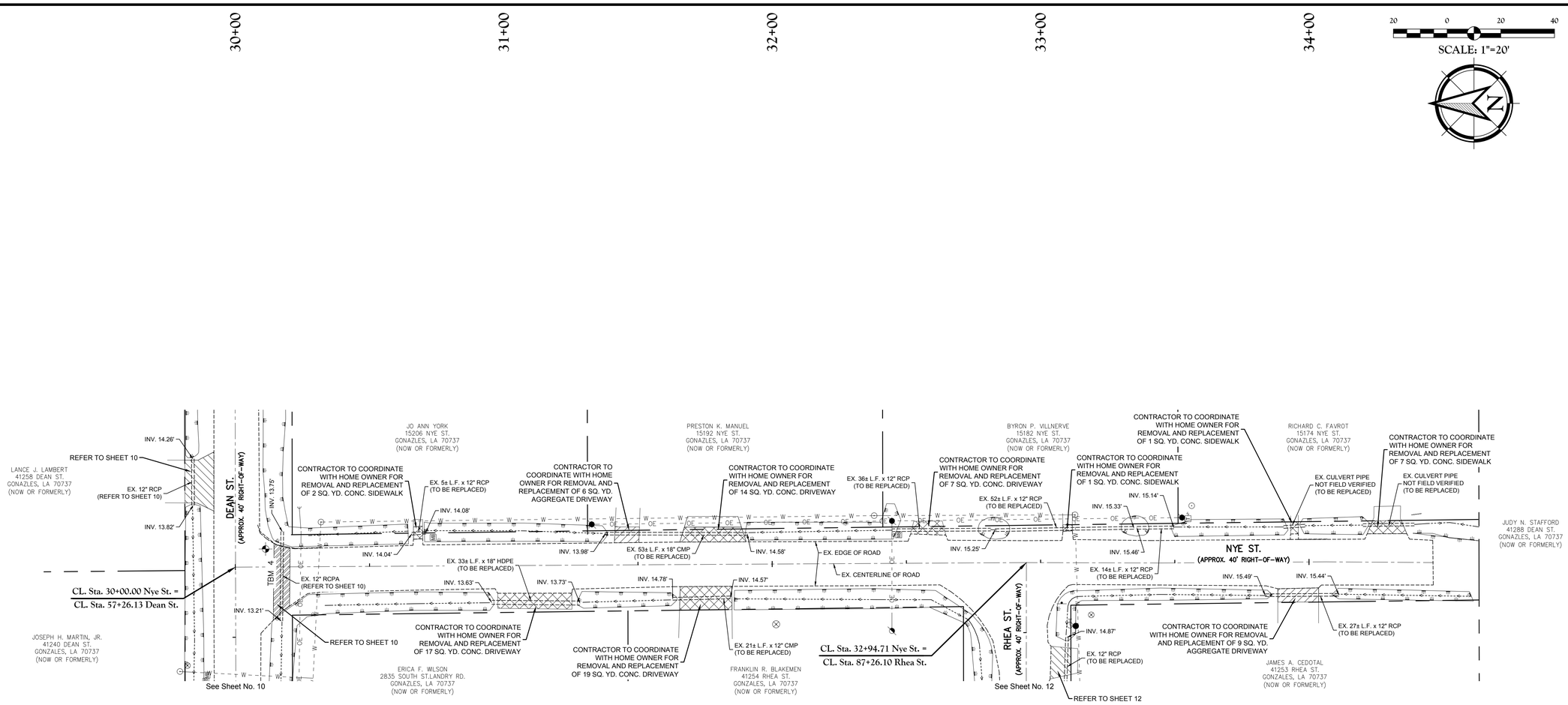
Description: LOCATED IN SECTION 4, TOWNSHIP 9 SOUTH, RANGE 3 EAST, SOUTHEASTERN LAND DISTRICT EAST OF MISSISSIPPI RIVER, ASCENSION PARISH, LOUISIANA

DWG Path: P:\-2017 Projects\17-247 Wallace Acres Drainage Project\Drawings\Engineering\Plans\Cornell\17247_11_EX (Rhea St.).dwg

QUALITY Engineering & Surveying, LLC
18320 Hwy 42 Port Vincent, LA 70726
225.698.1500 | www.qesla.com | info@qesla.com

Stamp: STATE OF LOUISIANA — WILLIAM H. PLUSER — License No. 29357 — PROFESSIONAL ENGINEER IN CIVIL ENGINEERING — 6/19

Drawn By: EVK
Date: FEBRUARY 2019
Project No.: 17-247
Sheet: 12 OF 53



LEGEND:

- EXIST. OVERHEAD ELECTRIC LINE
- EXIST. GRATE INLET
- EXIST. SANITARY SEWER CLEAN OUT
- EXIST. POWER POLE
- EXIST. UTILITY POLE
- EXIST. GUY WIRE
- EXIST. TELEPHONE PEDESTAL
- EXIST. FIRE HYDRANT
- EXIST. WATER METER
- EXIST. WATER VALVE
- EXIST. GAS METER
- EXIST. MAIL BOX
- EXIST. TRAFFIC SIGN
- EXIST. FENCE
- EXIST. DITCH CENTERLINE

UTILITY NOTE:

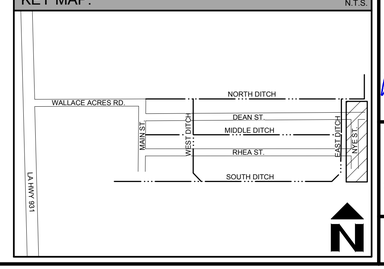
THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION, DEPTH AND SIZE OF ALL UNDERGROUND UTILITIES AND STRUCTURES AND SHALL BE LIABLE FOR ANY DAMAGE CAUSED BY FAILURE TO COMPLY WITH THESE INSTRUCTIONS.

LA One Call™
1-800-272-3020

PAVEMENT LEGEND

- EXIST. AGGREGATE DRIVEWAY REMOVAL
- EXIST. CONCRETE DRIVEWAY REMOVAL
- EXIST. ASPHALT ROADWAY REMOVAL

KEY MAP: N.T.S.



Client: ASCENSION PARISH DEPARTMENT OF PUBLIC WORKS
42077 CHURCHPOINT RD.
GONZALES, LA 70737

Project: WALLACE ACRES SUBDIVISION DRAINAGE IMPROVEMENTS PROJECT
WALLACE ACRES SUBDIVISION
ASCENSION PARISH

Title: NYE ST. EXISTING CONDITIONS and DEMOLITION PLAN
STA. 30+00 to STA. 34+46.20

Description: LOCATED IN SECTION 4, TOWNSHIP 9 SOUTH, RANGE 3 EAST, SOUTHEASTERN LAND DISTRICT EAST OF MISSISSIPPI RIVER, ASCENSION PARISH, LOUISIANA

DWG Path: P:\-2017 Projects\17-247 Wallace Acres Drainage Project\Drawings\Engineering\Plans\Current\17247_13_EX (Nye St.).dwg

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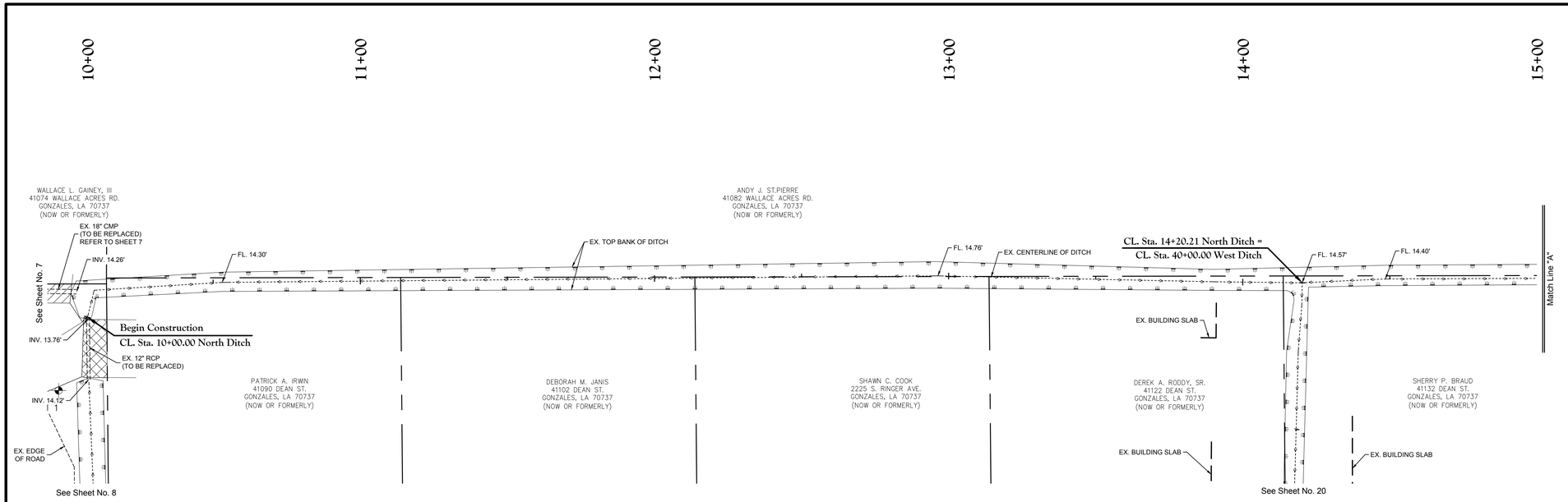
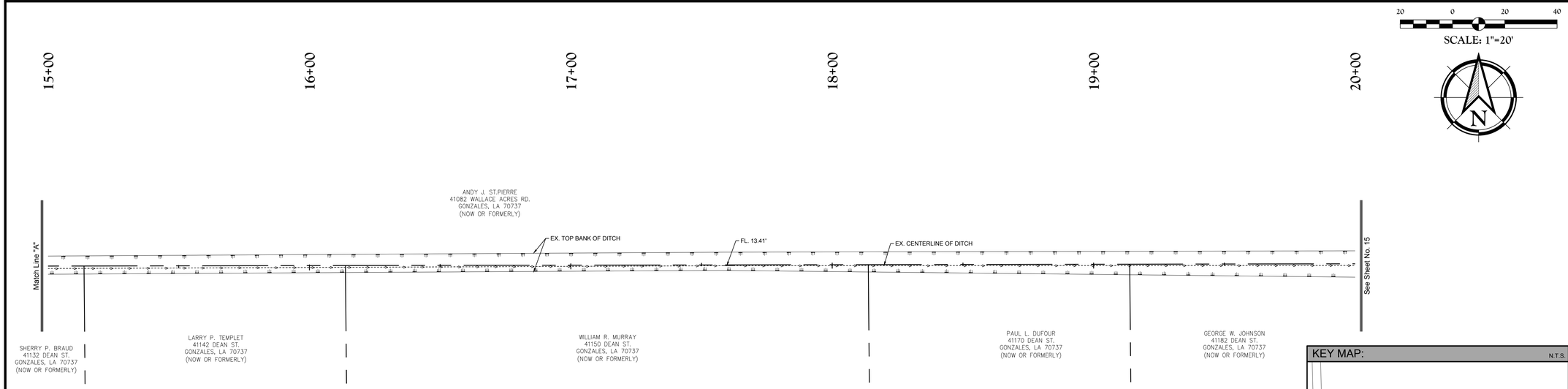
Stamp:
WILLIAM H. PLUCKER
License No. 29357
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
5/9/19

Drawn By: EVK
Date: FEBRUARY 2019
Project No.: 17-247
Sheet: 13 OF 53





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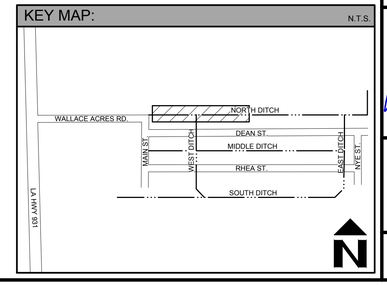
LA One Call™ 1-800-272-3020

KEY MAP: N.T.S.



Client: ASCENSION PARISH DEPARTMENT OF PUBLIC WORKS
42077 CHURCHPOINT RD.
GONZALES, LA 70737

Project: WALLACE ACRES SUBDIVISION DRAINAGE IMPROVEMENTS PROJECT
WALLACE ACRES SUBDIVISION
ASCENSION PARISH

Title: NORTH DITCH EXISTING CONDITIONS
STA. 10+00 to STA. 20+00

Description: LOCATED IN SECTION 4, TOWNSHIP 9 SOUTH, RANGE 3 EAST, SOUTHEASTERN LAND DISTRICT EAST OF MISSISSIPPI RIVER, ASCENSION PARISH, LOUISIANA

DWG Path: P:\~2017 Projects\17-247 Wallace Acres Drainage Project\Engineering\Plans\Current\17247_14_EX (North Ditch).dwg

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Stamp:
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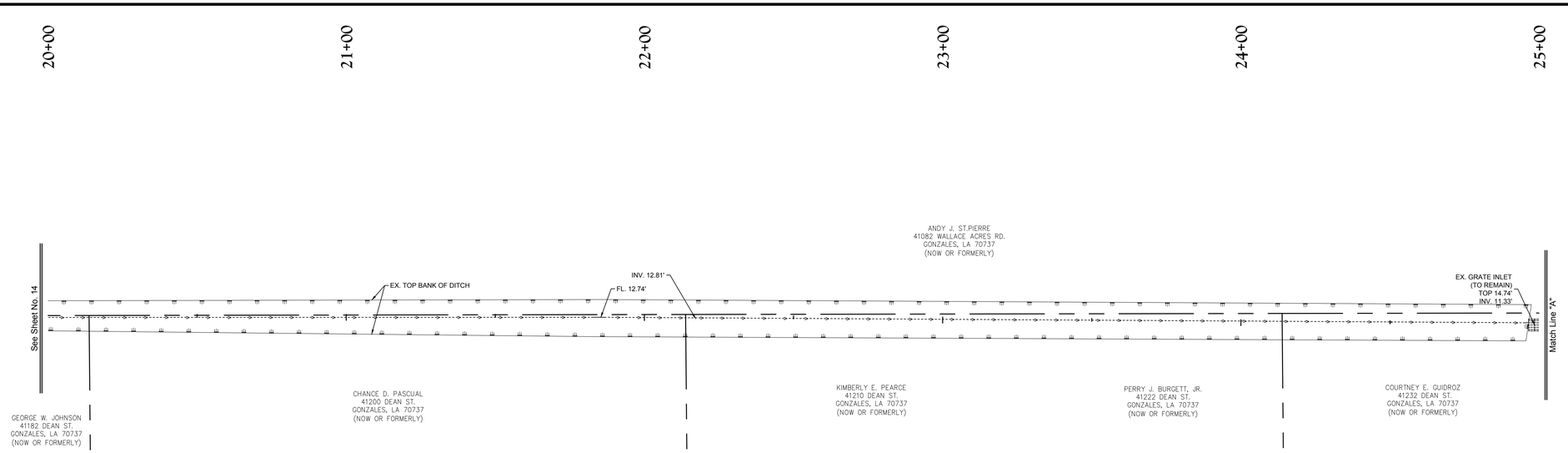
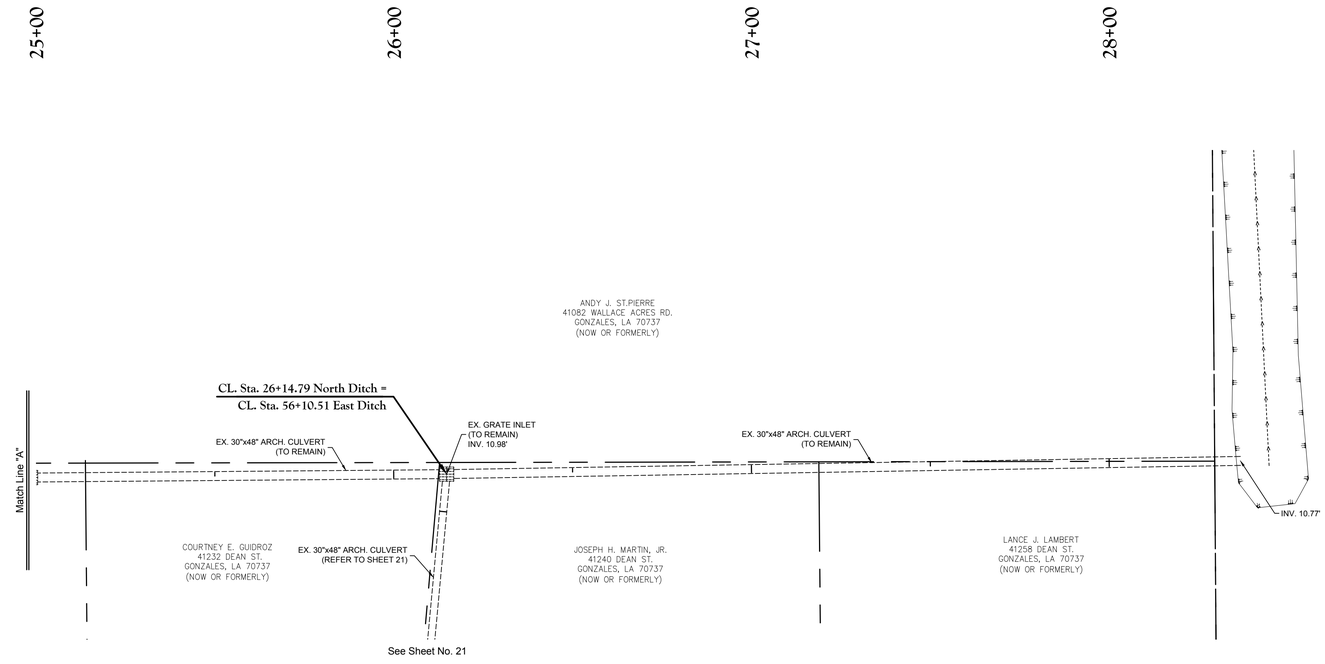
WILLIAM H. PLUESER
License No. 28367
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
2/26/19

Drawn By: EVK
Date: FEBRUARY 2019
Project No.: 17-247
Sheet: 14 OF 53





NORTH DITCH EXISTING CONDITIONS
STA. 20+00 to STA. 28+36.65

LOCATED IN
SECTION 4, TOWNSHIP 9 SOUTH, RANGE 3 EAST,
SOUTHEASTERN LAND DISTRICT EAST OF MISSISSIPPI RIVER,
ASCENSION PARISH, LOUISIANA

UTILITY NOTE:

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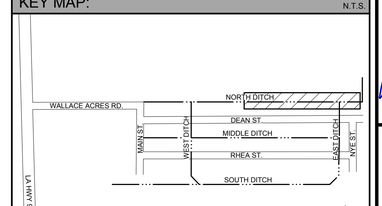
LA One Call™ 1-800-272-3020

KEY MAP: N.T.S.



Client:
ASCENSION PARISH
DEPARTMENT OF PUBLIC WORKS
42077 CHURCHPOINT RD.
GONZALES, LA 70737

Project:
WALLACE ACRES SUBDIVISION
DRAINAGE IMPROVEMENTS PROJECT
WALLACE ACRES SUBDIVISION
ASCENSION PARISH

Title:

Description:

DWG Path: P:\-2017 Projects\17-247 Wallace Acres Drainage Project\Drawings\Engineering\Plans\Current\17247_14_EX (North Ditch).dwg

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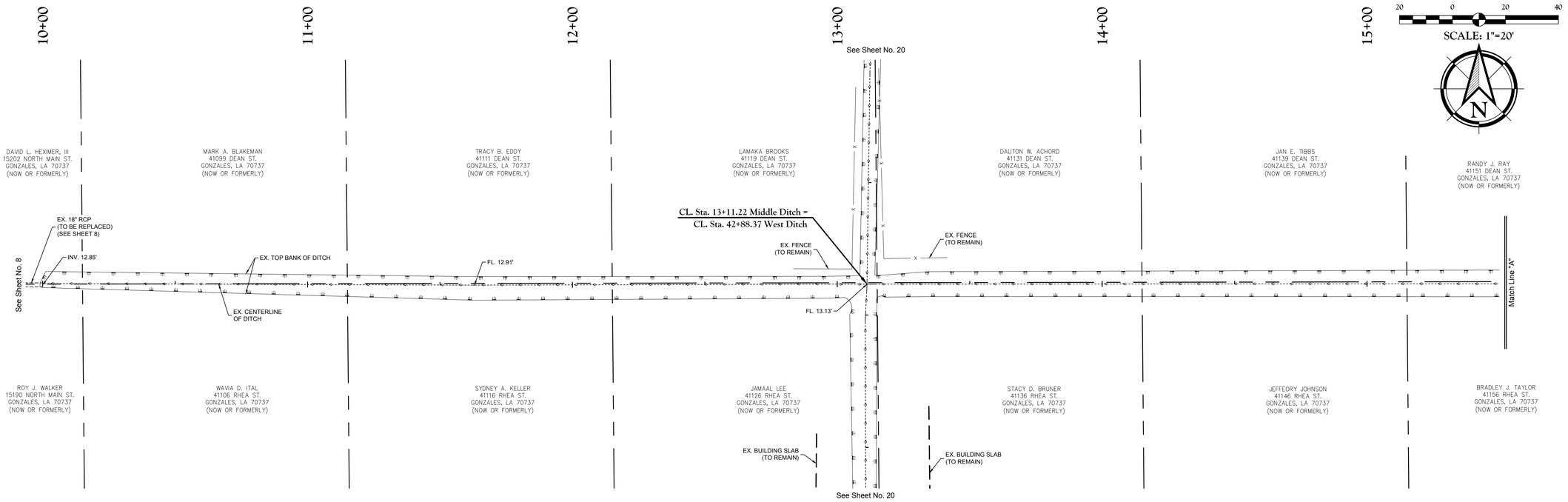
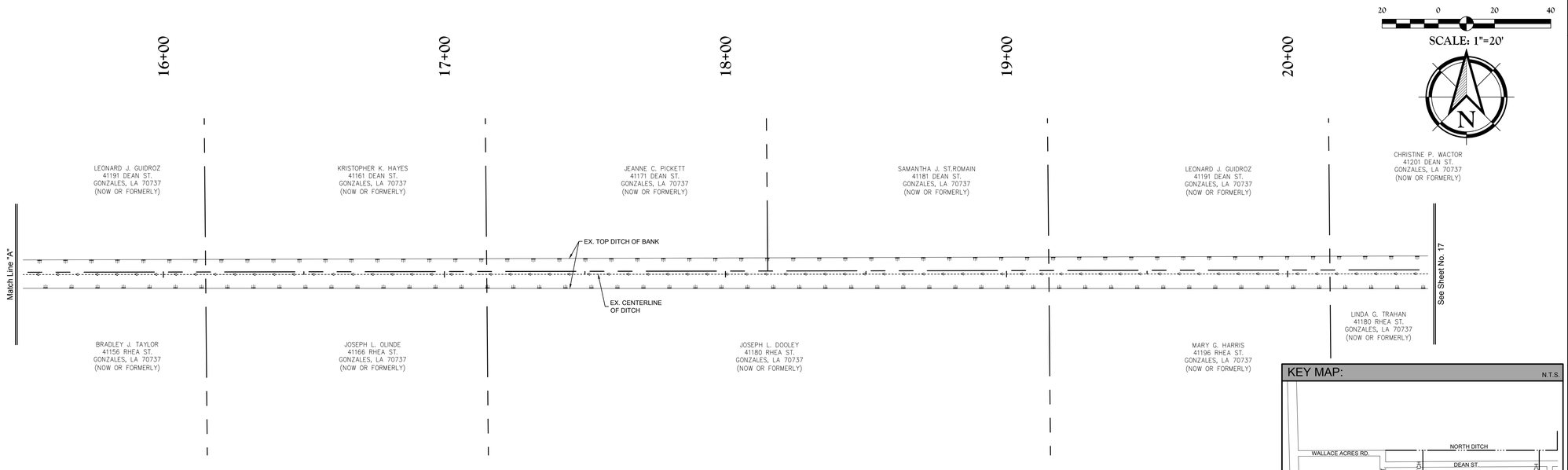
License No. 29357
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
6/6/19

Drawn By: EVK
Date: FEBRUARY 2019
Project No.: 17-247

Sheet: 15 OF 53





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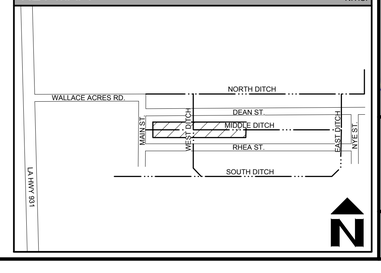
KEY MAP: N.T.S.



Client:
ASCENSION PARISH
DEPARTMENT OF PUBLIC WORKS
42077 CHURCHPOINT RD.
GONZALES, LA 70737

Project:
WALLACE ACRES SUBDIVISION
DRAINAGE IMPROVEMENTS PROJECT
WALLACE ACRES SUBDIVISION
ASCENSION PARISH

Title:
MIDDLE DITCH EXISTING CONDITIONS
STA.10+00 to STA. 20+50

Description:
LOCATED IN
SECTION 4, TOWNSHIP 9 SOUTH, RANGE 3 EAST,
SOUTHEASTERN LAND DISTRICT EAST OF MISSISSIPPI RIVER,
ASCENSION PARISH, LOUISIANA

DWG Path: P:\-2017 Projects\17-247 Wallace Acres Drainage Project\Engineering\Plans\Current\17247_16_EX (Middle Ditch).dwg

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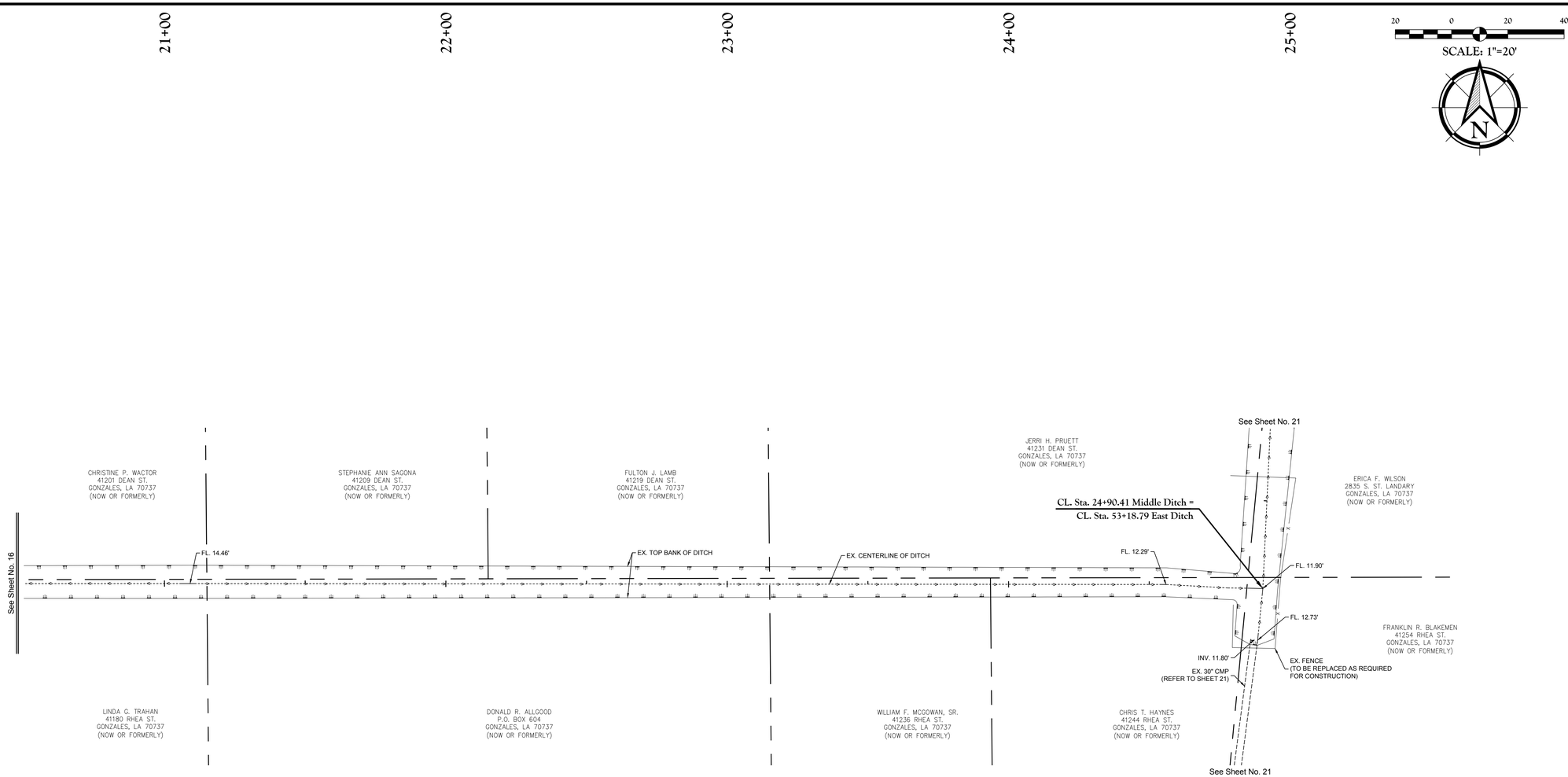
WILLIAM H. HUGHES
License No. 29357
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
6/19/19

Drawn By: EVK
Date: FEBRUARY 2019
Project No.: 17-247
Sheet: 16 OF 53



UTILITY NOTE:

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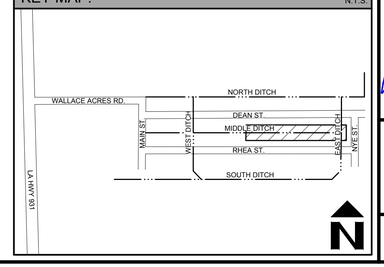
KEY MAP:

N.T.S.



Client:
ASCENSION PARISH
DEPARTMENT OF PUBLIC WORKS
42077 CHURCHPOINT RD.
GONZALES, LA 70737

Project:
WALLACE ACRES SUBDIVISION
DRAINAGE IMPROVEMENTS PROJECT
WALLACE ACRES SUBDIVISION
ASCENSION PARISH

Title:
MIDDLE DITCH
EXISTING CONDITIONS
STA. 20+50 to STA. 24+90.41

Description:
LOCATED IN
SECTION 4, TOWNSHIP 9 SOUTH, RANGE 3 EAST,
SOUTHEASTERN LAND DISTRICT EAST OF MISSISSIPPI RIVER,
ASCENSION PARISH, LOUISIANA

DWG Path: P:\~2017 Projects\17-247 Wallace Acres Drainage Project\Drawings\Engineering\Plans\Current\17247_16_EX (Middle Ditch).dwg

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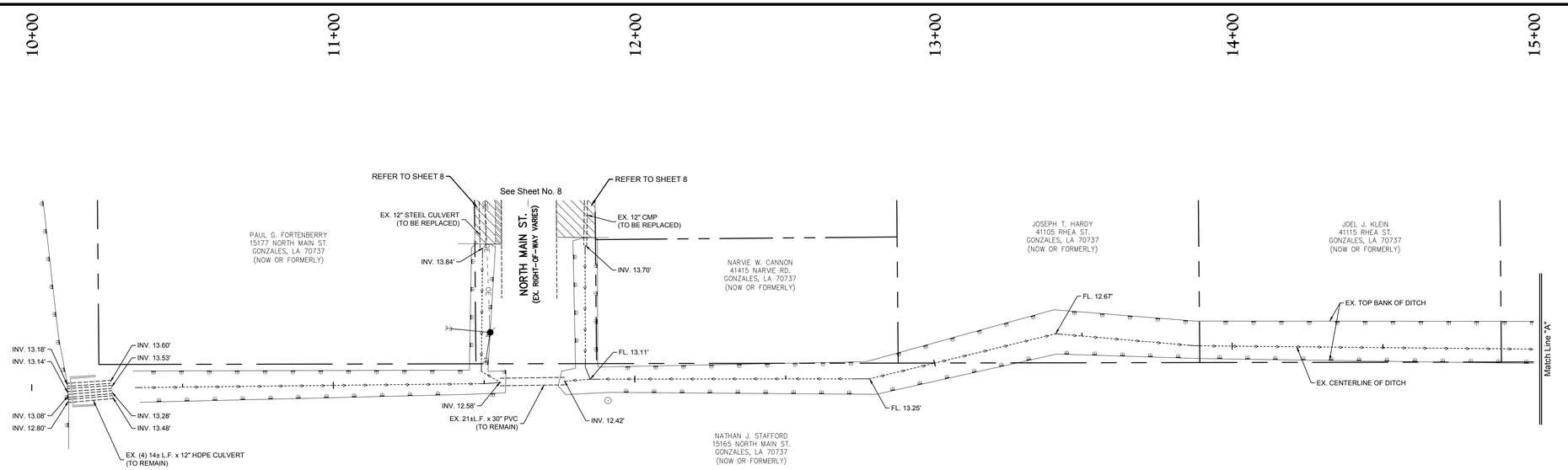
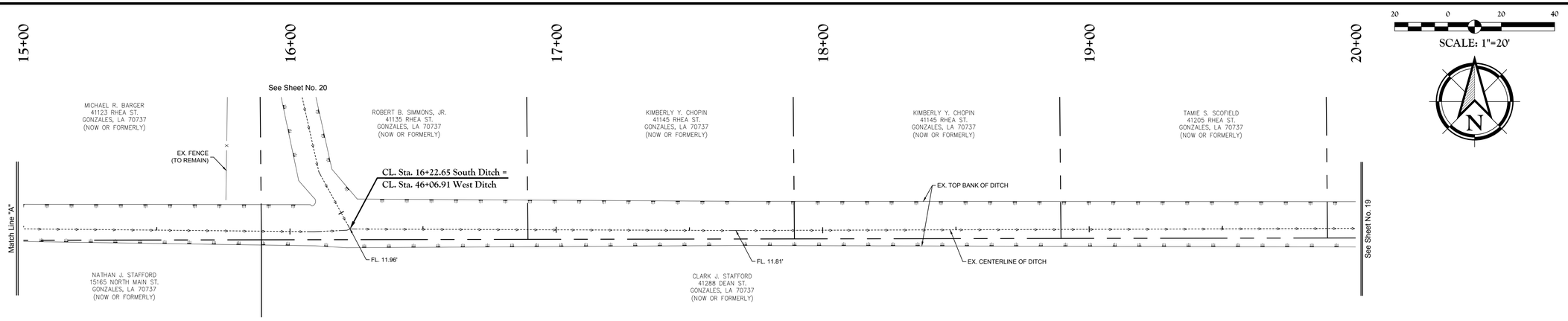
WILLIAM H. PLUESER
License No. 29357
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
2/26/19

Drawn By: EVK
Date: FEBRUARY 2019
Project No.: 17-247
Sheet: 17 OF 53





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LEGEND:

- EXIST. OVERHEAD ELECTRIC LINE
- EXIST. GRATE INLET
- EXIST. SANITARY SEWER CLEAN OUT
- EXIST. POWER POLE
- EXIST. UTILITY POLE
- EXIST. GUY WIRE
- EXIST. TELEPHONE PEDESTAL
- EXIST. FIRE HYDRANT

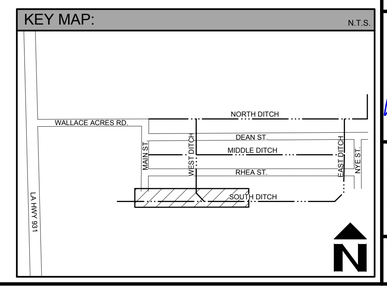
LEGEND:

- EXIST. WATER METER
- EXIST. WATER VALVE
- EXIST. GAS METER
- EXIST. MAIL BOX
- EXIST. TRAFFIC SIGN
- EXIST. FENCE
- EXIST. DITCH CENTERLINE

PAVEMENT LEGEND

- EXIST. AGGREGATE DRIVEWAY REMOVAL
- EXIST. CONCRETE DRIVEWAY REMOVAL
- EXIST. ASPHALT ROADWAY REMOVAL

KEY MAP: N.T.S.



Client: ASCENSION PARISH DEPARTMENT OF PUBLIC WORKS 42077 CHURCHPOINT RD. GONZALES, LA 70737

Project: WALLACE ACRES SUBDIVISION DRAINAGE IMPROVEMENTS PROJECT WALLACE ACRES SUBDIVISION ASCENSION PARISH

Title: SOUTH DITCH EXISTING CONDITIONS STA. 10+00 to STA. 20+00

Description: LOCATED IN SECTION 4, TOWNSHIP 9 SOUTH, RANGE 3 EAST, SOUTHEASTERN LAND DISTRICT EAST OF MISSISSIPPI RIVER, ASCENSION PARISH, LOUISIANA

DWG Path: P:\-2017 Projects\17-247 Wallace Acres Drainage Project\Drawings\Engineering\Plans\Current\17247_18_EX (South Ditch).dwg

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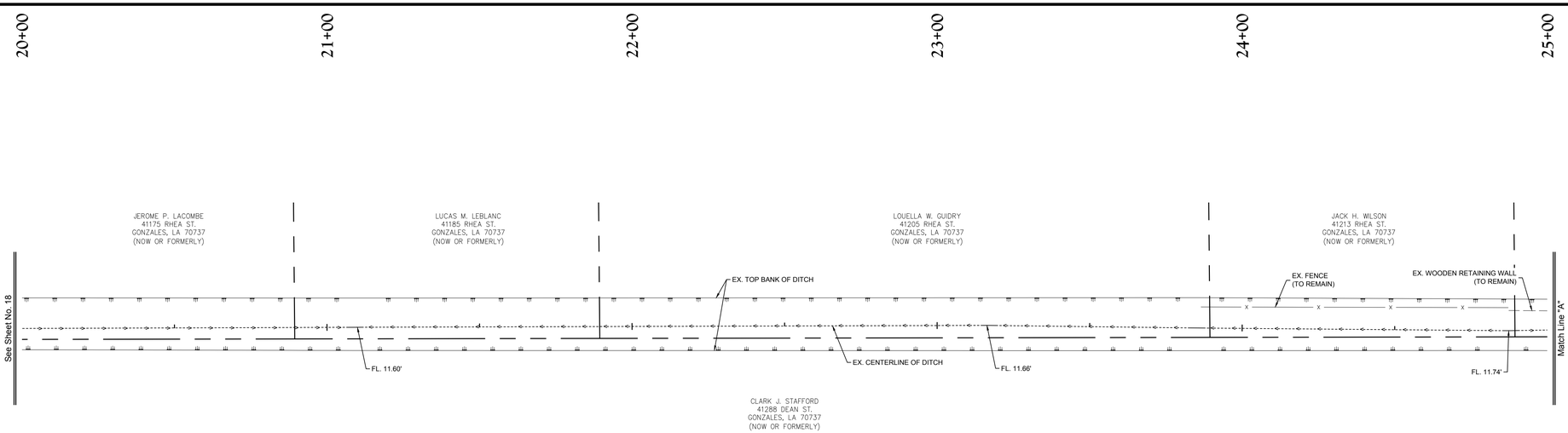
Stamp: STATE OF LOUISIANA — WILLIAM H. HUSSER — License No. 28367 — PROFESSIONAL ENGINEER IN CIVIL ENGINEERING — 4/8/19

Drawn By: EVK

Date: FEBRUARY 2019

Project No.: 17-247

Sheet: 18 OF 53



20 0 20 40

SCALE: 1"=20'

N

UTILITY NOTE:

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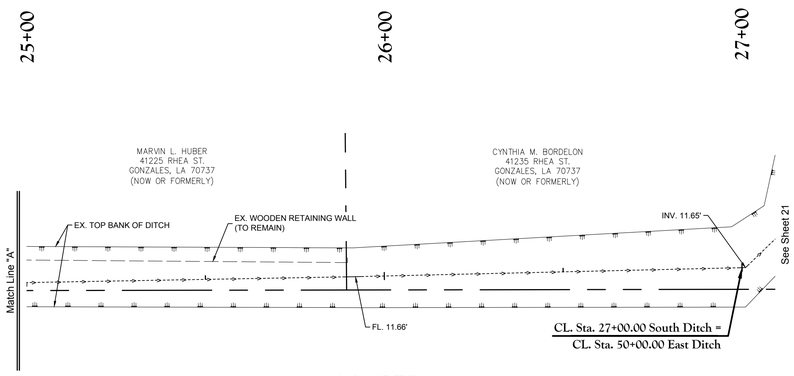


20 0 20 40

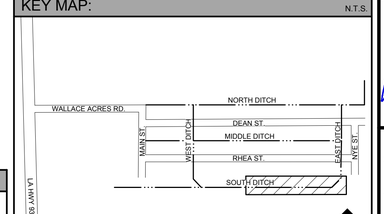
SCALE: 1"=20'

N

PAVEMENT LEGEND

- EXIST. ASPHALT ROADWAY REMOVAL
- EXIST. CONCRETE DRIVEWAY REMOVAL

KEY MAP: N.T.S.



Client:
ASCENSION PARISH
DEPARTMENT OF PUBLIC WORKS
42077 CHURCHPOINT RD.
GONZALES, LA 70737

Project:
WALLACE ACRES SUBDIVISION
DRAINAGE IMPROVEMENTS PROJECT
WALLACE ACRES SUBDIVISION
ASCENSION PARISH

Title:
SOUTH DITCH
EXISTING CONDITIONS
STA. 20+00 to STA. 30+00

Description:
LOCATED IN
SECTION 4, TOWNSHIP 9 SOUTH, RANGE 3 EAST,
SOUTHEASTERN LAND DISTRICT EAST OF MISSISSIPPI RIVER,
ASCENSION PARISH, LOUISIANA

DWG Path: P:\~2017 Projects\17-247 Wallace Acres Drainage Project\Drawings\Engineering\Plans\Current\17247_18_EX (South Ditch).dwg

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Stamp:
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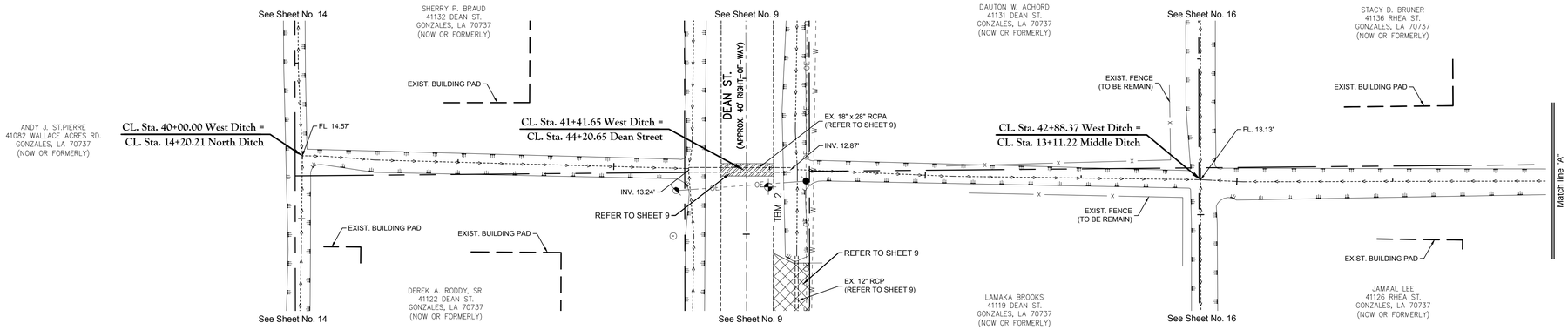
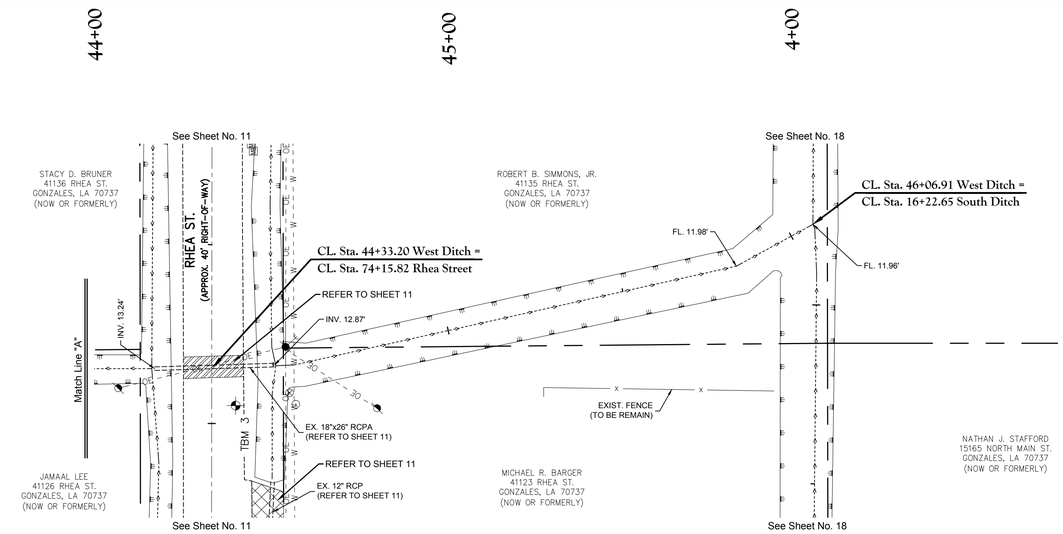
WILLIAM H. HUBER
License No. 29357
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
6/19/19

Drawn By: EVK
Date: FEBRUARY 2019
Project No.: 17-247

Sheet:
19 OF 53





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LEGEND:

- OE — EXIST. OVERHEAD ELECTRIC LINE
- EXIST. GRATE INLET
- EXIST. SANITARY SEWER CLEAN OUT
- EXIST. POWER POLE
- EXIST. UTILITY POLE
- EXIST. GUY WIRE
- EXIST. TELEPHONE PEDESTAL
- EXIST. FIRE HYDRANT

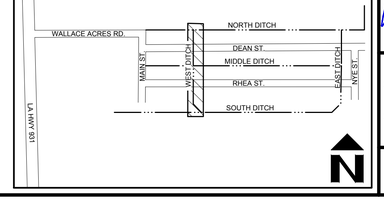
LEGEND:

- EXIST. WATER METER
- EXIST. WATER VALVE
- EXIST. GAS METER
- EXIST. MAIL BOX
- EXIST. TRAFFIC SIGN
- x — EXIST. FENCE
- EXIST. DITCH CENTERLINE

PAVEMENT LEGEND

- EXIST. AGGREGATE DRIVEWAY REMOVAL
- EXIST. CONCRETE DRIVEWAY REMOVAL
- EXIST. ASPHALT ROADWAY REMOVAL

KEY MAP: N.T.S.



Client:
ASCENSION PARISH
DEPARTMENT OF PUBLIC WORKS
42077 CHURCHPOINT RD.
GONZALES, LA 70737

Project:
WALLACE ACRES SUBDIVISION
DRAINAGE IMPROVEMENTS PROJECT
WALLACE ACRES SUBDIVISION
ASCENSION PARISH

Title:
WEST DITCH EXISTING CONDITIONS
STA. 40+00 to STA. 46+06.91

Description:
LOCATED IN
SECTION 4, TOWNSHIP 9 SOUTH, RANGE 3 EAST,
SOUTHEASTERN LAND DISTRICT EAST OF MISSISSIPPI RIVER,
ASCENSION PARISH, LOUISIANA

DWG Path: P:\~2017 Projects\17-247 Wallace Acres Drainage Project\Engineering\Plans\Current\17247_20_EX (West Ditch).dwg

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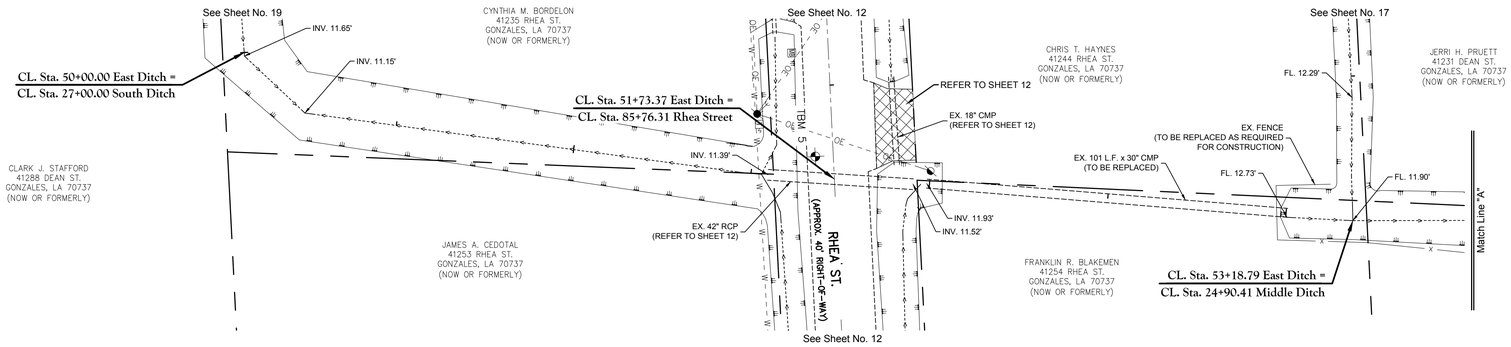
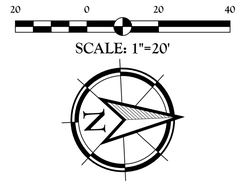
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
6/19

Drawn By: EVK
Date: FEBRUARY 2019
Project No.: 17-247

Sheet: 20 OF 53





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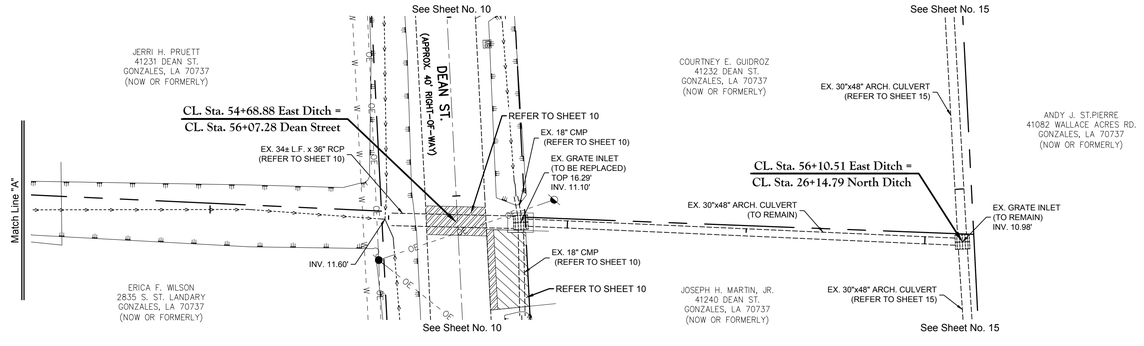
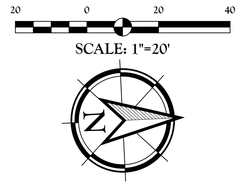




LEGEND:

- EXIST. OVERHEAD ELECTRIC LINE
- EXIST. GRATE INLET
- EXIST. SANITARY SEWER CLEAN OUT
- EXIST. POWER POLE
- EXIST. UTILITY POLE
- EXIST. GUY WIRE
- EXIST. TELEPHONE PEDESTAL
- EXIST. FIRE HYDRANT

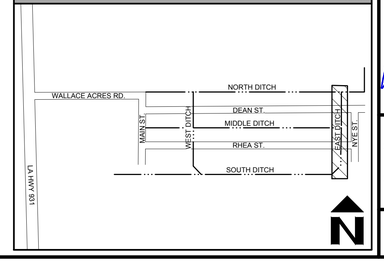
LEGEND:

- EXIST. WATER METER
- EXIST. WATER VALVE
- EXIST. GAS METER
- EXIST. MAIL BOX
- EXIST. TRAFFIC SIGN
- EXIST. FENCE
- EXIST. DITCH CENTERLINE

PAVEMENT LEGEND

- EXIST. AGGREGATE DRIVEWAY REMOVAL
- EXIST. CONCRETE DRIVEWAY REMOVAL
- EXIST. ASPHALT ROADWAY REMOVAL

KEY MAP: N.T.S.



Client: ASCENSION PARISH
DEPARTMENT OF PUBLIC WORKS
42077 CHURCHPOINT RD.
GONZALES, LA 70737

Project: WALLACE ACRES SUBDIVISION
DRAINAGE IMPROVEMENTS PROJECT
WALLACE ACRES SUBDIVISION
ASCENSION PARISH

Title: EAST DITCH EXISTING CONDITIONS
STA. 50+00 to STA. 56+10.51

Description: LOCATED IN
SECTION 4, TOWNSHIP 9 SOUTH, RANGE 3 EAST,
SOUTHEASTERN LAND DISTRICT EAST OF MISSISSIPPI RIVER,
ASCENSION PARISH, LOUISIANA

DWG Path: P:\~2017 Projects\17-247 Wallace Acres Drainage Project\@working\Engineering\Plans\Current\17247_21_EX (East Ditch).dwg

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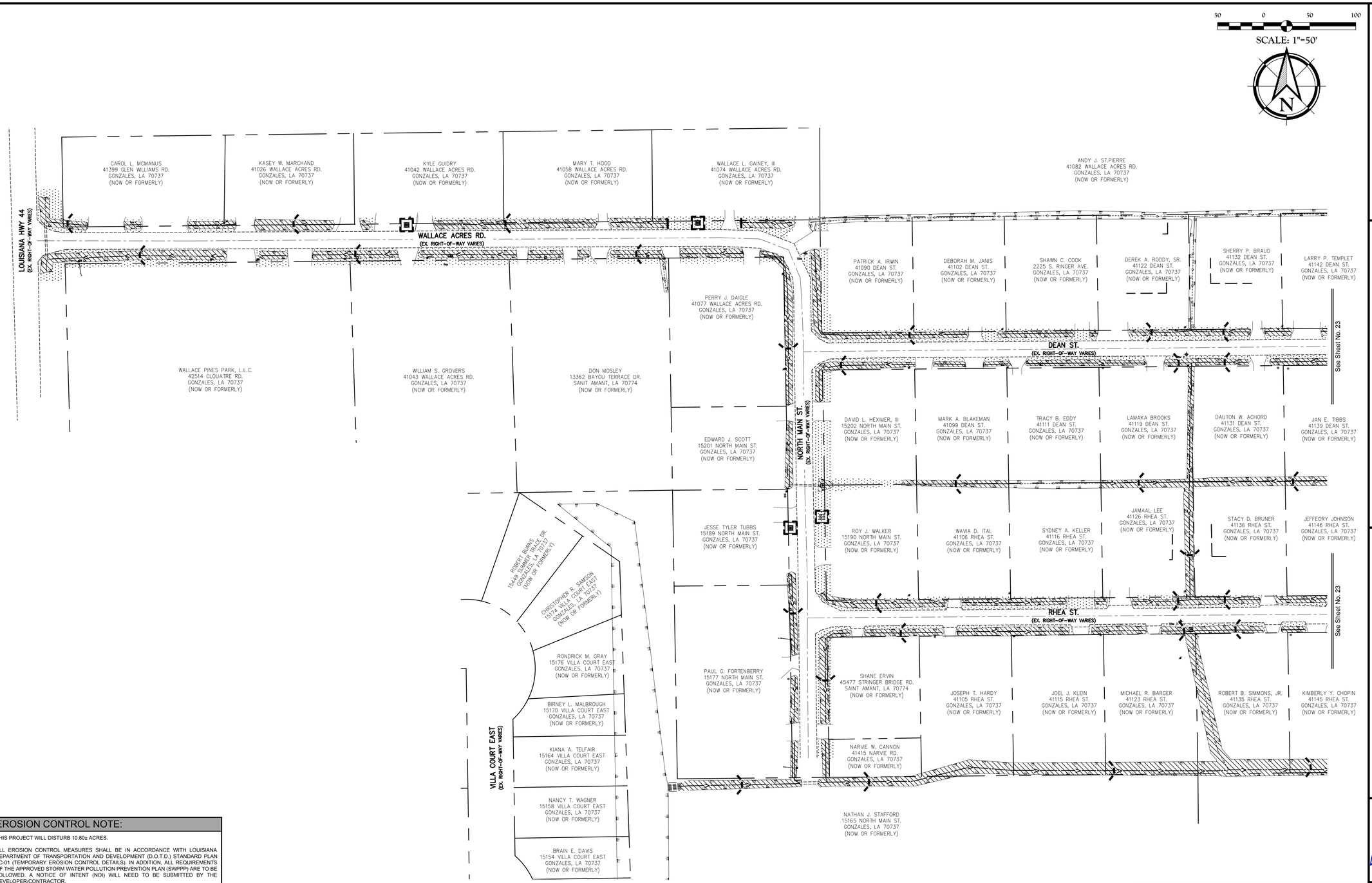
Stamp: STATE OF LOUISIANA
WILLIAM H. PLUCKER
License No. 29357
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
2/19/19

Drawn By: EVK
Date: FEBRUARY 2019
Project No.: 17-247

Sheet: 21 OF 53



EROSION CONTROL NOTE:

THIS PROJECT WILL DISTURB 10.80± ACRES.

ALL EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT (D.O.T.D.) STANDARD PLAN EC-01 (TEMPORARY EROSION CONTROL DETAILS). IN ADDITION, ALL REQUIREMENTS OF THE APPROVED STORM WATER POLLUTION PREVENTION PLAN (SWPPP) ARE TO BE FOLLOWED. A NOTICE OF INTENT (NOI) WILL NEED TO BE SUBMITTED BY THE DEVELOPER/CONTRACTOR.

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES.

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.

SEEDING AND FERTILIZER SHALL BE PROVIDED IN HYDROMULCH. SEED AND FERTILIZER, AND FLEXTERRA HIGH PERFORMANCE AREAS AS PER DOTD SPECIFICATIONS SECTION 717 (SOIL AREA 1) AND 718.

EROSION CONTROL NOTE:

- PROPOSED GRATE INLET
- DITCH FLOW PROPOSED SWALE
- PROPOSED INLET PROTECTION
- PROPSED CHECK DAM (HAY)

EROSION CONTROL LEGEND:

CONTRACTOR SHALL SEED AND FERTILIZE EXPOSED AREAS WITH BERMUDA OR RYE GRASS:	(4.18 AC.)
FLEXTERRA HIGH PERFORMANCE FLEXIBLE GROWTH MEDIUM:	(5.76 AC.)

UTILITY NOTE:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION, DEPTH AND SIZE OF ALL UNDERGROUND UTILITIES AND STRUCTURES AND SHALL BE LIABLE FOR ANY DAMAGE CAUSED BY FAILURE TO COMPLY WITH THESE INSTRUCTIONS.

LA One Call™ 1-800-272-3020

Client: ASCENSION PARISH DEPARTMENT OF PUBLIC WORKS 42077 CHURCHPOINT RD. GONZALES, LA 70737

Project: WALLACE ACRES SUBDIVISION DRAINAGE IMPROVEMENTS PROJECT WALLACE ACRES SUBDIVISION ASCENSION PARISH

Title: EROSION CONTROL and SEDIMENTATION PLAN

Description:

DWG Path: P:\y-2017 Projects\17-247 Wallace Acres Drainage Project\Drawings\Engineering\Plans\Current\17247_22_EC.dwg

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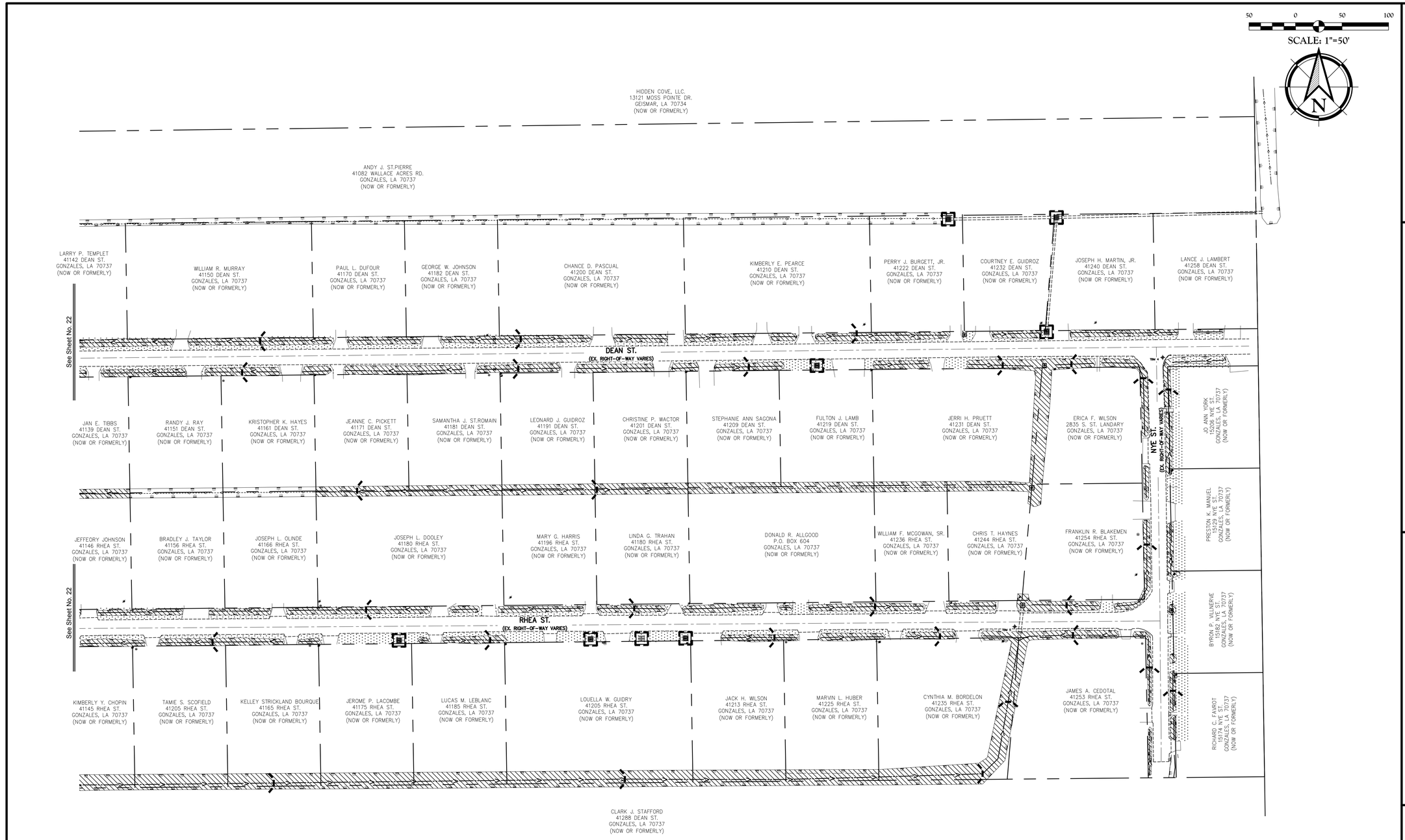
Drawn By:	EVK
Date:	FEBRUARY 2019
Project No.:	17-247
Sheet:	22 OF 53



EROSION CONTROL NOTE:

- PROPOSED GRATE INLET
- DITCH FLOW PROPOSED SWALE
- PROPOSED INLET PROTECTION
- PROPSED CHECK DAM (HAY)

UTILITY NOTE:

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Client: ASCENSION PARISH
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42077 CHURCHPOINT RD.
GONZALES, LA 70737

Project: WALLACE ACRES SUBDIVISION
DRAINAGE IMPROVEMENTS PROJECT
WALLACE ACRES SUBDIVISION
ASCENSION PARISH

Title: EROSION CONTROL and SEDIMENTATION PLAN

Description: LOCATED IN SECTION 4, TOWNSHIP 9 SOUTH, RANGE 3 EAST, SOUTHEASTERN LAND DISTRICT EAST OF MISSISSIPPI RIVER, ASCENSION PARISH, LOUISIANA

DWG Path: P:\-2017 Projects\17-247 Wallace Acres Drainage Project\Drawings\Engineering\Plans\Current\17247_22_EC.dwg

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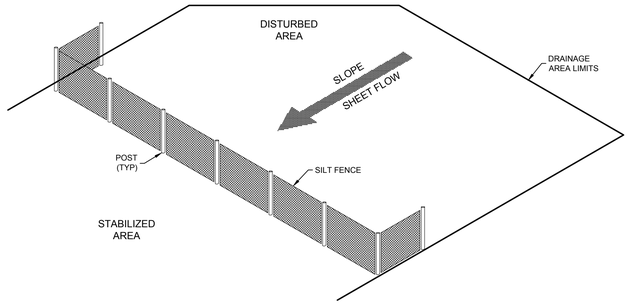
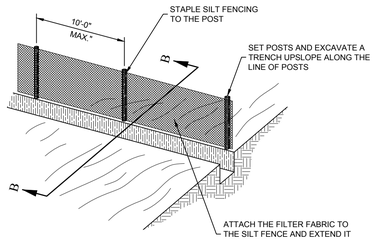
Drawn By: EVK
Date: FEBRUARY 2019
Project No.: 17-247
Sheet: 23 OF 53

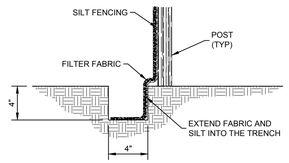


1 SILT FENCE IN SHEET FLOW

SCALE: N.T.S.



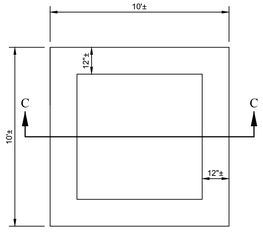
ELEVATION



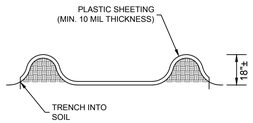
SECTION B-B

2 CONSTRUCTION OF SILT FENCE

SCALE: N.T.S.



PLAN

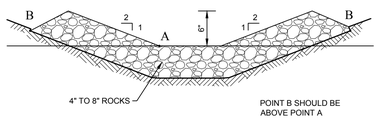


NOTE:
MINIMUM 50' FROM ANY
OPEN DITCH

SECTION C-C

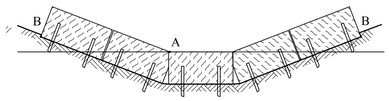
3 CONCRETE WASHOUT DETAIL

SCALE: N.T.S.



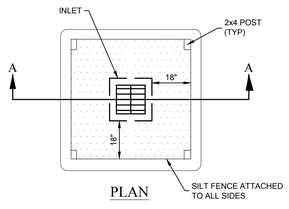
4 ROCK CHECK DAM
IN DRAINAGE WAY

SCALE: N.T.S.



5 STRAW BALES CHECK DAM
IN DRAINAGE WAY

SCALE: N.T.S.



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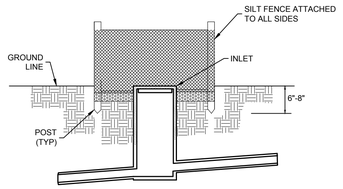
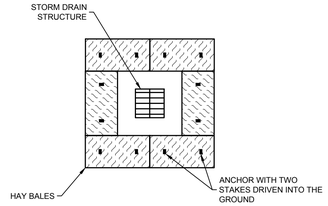


SECTION A-A

6 INLET SEDIMENT TRAP - ALT. 1
SILT FENCE BARRIER DETAIL

SCALE: N.T.S.



7 INLET SEDIMENT TRAP - ALT. 2
STRAW BALE BARRIER DETAIL

SCALE: N.T.S.

TEMPORARY METHODS:

MULCHES - REFER TO (DISTURBED AREA STABILIZATION)

VEGETATIVE COVER - REFER (DISTURBED AREA STABILIZATION WITH TEMPORARY SEEDING)

TILLAGE - ROUGHEN AND BRING CLODS TO THE SURFACE BY USE OF CHISEL-TYPE PLOWS SPACED ABOUT 12 INCHES APART

IRRIGATION - SITE SPRINKLED WITH WATER UNTIL WET. REPEAT AS NEEDED

BARRIERS - FENCES, HAY BALES, AND CRATE WALLS PLACED AT INTERVALS 15 TIMES THEIR HEIGHT AND PERPENDICULAR TO AIR CURRENTS

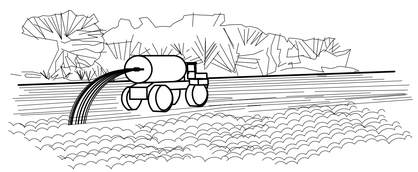
CALCIUM CHLORIDE - APPLY TO KEEP SURFACE WET. REPEAT AS NEEDED.

PERMANENT METHODS:

PERMANENT VEGETATION - REFER TO DS3 (DISTURBED AREA STABILIZATION WITH PERMANENT VEGETATION)

TOPSOILING - COVERING THE SURFACE WITH A LESS EROSIVE SOIL MATERIAL

STONE - SURFACE WITH CRUSHED STONE OR COARSE GRAVEL (SEE CR - CONSTRUCTION ROAD STABILIZATION)



8 DUST CONTROL

SCALE: N.T.S.

UTILITY NOTE:

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STRAW BALE DIKE CONSTRUCTION SPECIFICATIONS CHANNEL FLOW APPLICATIONS:

1.) BALES SHALL BE PLACED IN A SINGLE ROW, LENGTHWISE, ORIENTED PERPENDICULAR TO THE CONTOUR, WITH ENDS OF ADJACENT BALES TIGHTLY ABUTTING ONE ANOTHER.

2.) THE BARRIER SHALL BE EXTENDED TO SUCH A LENGTH THAT THE BOTTOMS OF THE END BALES ARE HIGHER IN ELEVATION THAN THE TOP OF THE LOWEST MIDDLE BALE TO ASSURE THAT SEDIMENT-LADEN RUNOFF WILL FLOW EITHER THROUGH OR OVER THE BARRIER BUT NOT AROUND IT.

STORMWATER POLLUTION PREVENTION NOTES:

1.) A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) SHALL BE PREPARED, IMPLEMENTED AND MAINTAINED PER LAR100000 UNTIL A NOTICE OF TERMINATION (N.O.T.) HAS BEEN SUBMITTED TO LDEQ. A COPY OF THIS SWPPP SHALL BE SUBMITTED TO APPROPRIATE LOCAL CITY/PARISH OFFICIAL PRIOR TO THE START OF CONSTRUCTION, AND A COPY OF THE N.O.T. WILL BE SUBMITTED AT THE FINISH OF CONSTRUCTION.

2.) A NOTICE OF INTENT (N.O.I.) SHALL BE SUBMITTED BY LADEQ BY CERTIFIED MAIL A MINIMUM OF 48 HOURS PRIOR TO THE START OF CONSTRUCTION. A COPY OF THIS N.O.I. SHALL ALSO BE SENT TO APPROPRIATE LOCAL CITY/PARISH OFFICIAL PRIOR TO THE START OF CONSTRUCTION.

3.) THE MINIMUM EROSION CONTROL MEASURES ARE SHOWN ON THIS PLAN, ADDITIONAL MEASURE/CONTROLS MAY BE REQUIRED IN ADDITION TO THAT SHOWN TO PREVENT SEDIMENT FROM LEAVING THE SITE.

4.) THE CONTRACTOR SHALL MAINTAIN THE SWPPP AS REQUIRED IN THE GENERAL PERMIT.

5.) TO REDUCE SEDIMENT IN RUNOFF, EROSION CONTROL STRUCTURES SHALL BE INSTALLED PRIOR TO CONSTRUCTION ACTIVITY.

6.) TO ENSURE EROSION CONTROL STRUCTURES WORK PROPERLY, IT IS IMPERATIVE THE SEDIMENT BE REDUCED BELOW 50% OF CAPACITY; THEREFORE, "INSPECTION" AND "MAINTENANCE" OF STRUCTURES IS TO BE PERFORMED ON A REGULAR BASIS AND AS SPECIFIED BY THE SWPPP.

7.) DURING SEDIMENT REMOVAL, THE CONTRACTOR SHALL TAKE CARE TO ENSURE THAT STRUCTURAL COMPONENTS OF EROSION CONTROL STRUCTURES ARE NOT DAMAGED AND THUS MADE INEFFECTIVE. IF DAMAGE DOES OCCUR, THE CONTRACTOR SHALL REPAIR THE STRUCTURES AT THE CONTRACTOR'S OWN EXPENSE.

8.) SEDIMENT REMOVED FROM SEDIMENT CONTROL STRUCTURES IS TO BE PLACED AT A SITE APPROVED BY THE ENGINEER. IT SHALL BE TREATED IN A MANNER SO THAT THE AREA AROUND THE DISPOSAL SITE WILL NOT BE CONTAMINATED OR DAMAGED BY THE SEDIMENT IN RUN-OFF.

9.) CONTRACTOR SHALL ENSURE THAT ALL DRAINAGE STRUCTURES, FLUMES, PIPES, ETC. ARE CLEANED OUT AND WORKING PROPERLY AT THE TIME OF ACCEPTANCE.

10.) UPON COMPLETE REMOVAL OF EROSION CONTROL STRUCTURES, THE AREA WHERE THEY WERE CONSTRUCTED IS TO BE SEEDED, AND MULCHED.

11.) STOCKPILED TOPSOIL OR FILL MATERIAL IS TO BE TREATED SO THE SEDIMENT RUN-OFF WILL NOT CONTAMINATE SURROUNDING AREA OR ENTER NEARBY DRAINAGE STRUCTURES.

12.) WATER IS NOT TO BE PUMPED DIRECTLY INTO EXISTING DRAINAGE STRUCTURES BUT IS TO BE PUMPED INTO SEDIMENT TRAPS ONLY.

13.) STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.

14.) TEMPORARY SEEDING SHALL BE IN ACCORDANCE TO SECTION 717 OF THE STATE OF LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT (LADOTD) STANDARD SPECIFICATIONS, LATEST EDITION.

15.) A CONCRETE WASHOUT SHALL BE PROVIDED PRIOR TO ANY CONCRETE WORK ON SITE. THIS WASHOUT WILL ONLY BE FOR RINSING OF THE CONCRETE TRUCK CHUTES, NO RINSING OF THE CONCRETE DRUMS WILL BE ALLOWED ON-SITE. THE LOCATION OF THE CONCRETE WASHOUT MAY VARY DEPENDING ON WORK AND SITE CONDITIONS.

16.) THE LOCATION OF THE FUEL DEPOT MAY VARY DEPENDING ON WORK AND SITE CONDITIONS.

MAINTENANCE:

1.) STRAW BALE BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL.

2.) CLOSE ATTENTION SHALL BE PAID TO THE REPAIR OF DAMAGED BALES, END RUNS AND UNDERCUTTING BENEATH BALES.

3.) NECESSARY REPAIRS TO BARRIERS OR REPLACEMENT OF BALES SHALL BE ACCOMPLISHED PROMPTLY.

4.) SEDIMENT DEPOSITS MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.

5.) ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE STRAW BALE BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.

MATERIALS:

1.) SYNTHETIC FILTER FABRIC SHALL BE A PERVIOUS SHEET OF PROPYLENE, NYLON, POLYESTER OR ETHYLENE YARN AND SHALL BE CERTIFIED BY THE MANUFACTURER OR SUPPLIER.

2.) POSTS FOR SILT FENCE SHALL BE EITHER 4-INCH DIAMETER WOOD OR 1.33 POUNDS PER LINEAR FOOT STEEL WITH A MINIMUM LENGTH OF 5 FEET. STEEL POSTS SHALL HAVE PROJECTIONS FOR FASTENING WIRE TO THEM, INSTALLED WITH A MINIMUM ABOVE GROUND LENGTH OF 3 FT. AND INSTALLED TO A MINIMUM 1 FT. DEPTH.

3.) STAKES FOR FILTER BARRIERS SHALL BE 1" X 2" WOOD (PREFERRED) OR EQUIVALENT METAL WITH A MINIMUM LENGTH OF 3 FEET.

4.) WIRE FENCE REINFORCEMENT FOR SILT FENCES USING STANDARD STRENGTH FILTER CLOTH SHALL BE A MINIMUM OF 42 INCHES IN HEIGHT, A MINIMUM OF 14 GAUGE AND SHALL HAVE A MAXIMUM MESH SPACING OF 6 INCHES.

SEEDING SCHEDULE:

CRITICAL AREA VEGETATIVE PLAN

GENERAL
THIS VEGETATIVE PLAN WILL BE CARRIED OUT ON ROAD CUT AND FILL SLOPES, SHOULDERS AND OTHER CRITICAL AREAS CREATED BY CONSTRUCTION IN AN AREA AS COMPLETED. PLANTINGS WILL BE MADE TO CONTROL EROSION, TO REDUCE DAMAGES FROM SEDIMENT AND RUNOFF TO DOWNSTREAM AREAS AND TO IMPROVE THE SAFETY AND BEAUTY OF THE DEVELOPMENT AREA.

SOIL CONDITIONS
DUE TO GRADING AND CONSTRUCTION, THE AREAS TO BE TREATED ARE MAINLY SUBSOIL AND SUBSTRATA. FERTILITY IS LOW AND THE PHYSICAL CHARACTERISTICS OF THE EXPOSED MATERIAL ARE UNFAVORABLE TO ALL BUT THE MOST HARDY PLANTS.

TREATMENT SPECIFICATIONS

CONVENTIONAL SEEDING EQUIPMENT:
GRADE, SHAPE AND SMOOTH WHERE NEEDED TO PROVIDE FOR SAFE EQUIPMENT OPERATION AT SEEDING TIME AND FOR MAINTENANCE PURPOSES. THE LIME AND FERTILIZER IN DRY FORM WILL BE SPREAD UNIFORMLY OVER THE AREA IMMEDIATELY BEFORE SEEDBED PREPARATION. A SEEDBED WILL BE PREPARED BY SCARIFYING TO A DEPTH OF 1 TO 4 INCHES AS DETERMINED ON SITE. THE SEEDBED MUST BE WELL PULVERIZED, SMOOTHED AND FIRMED. SEEDING WILL BE DONE WITH CULTIPACKER-SEEDER, DRILL, ROTARY SEEDER OR OTHER MECHANICAL OR HAND SEEDER. SEED WILL BE DISTRIBUTED UNIFORMLY OVER THE AREA, LEAVING ABOUT 25 PERCENT OF THE GROUND SURFACE EXPOSED. MULCH WILL BE SPREAD WITH BLOWER-TYPE MULCH EQUIPMENT OR BY HAND AND ANCHORED IMMEDIATELY AFTER IT IS SPREAD. A DISK HARROW WITH THE DISK SET STRAIGHT OR A SPECIAL PACKER DISK MAY BE USED TO PRESS THE MULCH INTO THE SOIL. THE PER ACRE APPLICATION RATES ARE AS FOLLOWS:

A. SEEDING WITH MULCH: (CONVENTIONAL SEEDING EQUIPMENT ON SLOPES LESS THAN 3:1)

AGRICULTURAL LIMESTONE FERTILIZER	4000 lbs./acre
5-10-15 MULCH	1500 lbs./acre
STRAW OR HAY	5000 lbs./acre

SEED SPECIES	APP.RATE/ACRES	PLANTING DATES
HULLED COMMON BERMUDA GRASS	10 LBS	3/1 - 6/15
FESCUE	50 LBS	9/1 - 10/31
FESCUE RYE GRASS	50 LBS	11/1 - 2/28
HAY MULCH FOR TEMP. COVER	5000 LBS	6/15 - 8/3

B. TOPDRESSING: APPLY WHEN PLANTS ARE 2 TO 4 INCHES TALL
FERTILIZER (AMMONIUM NITRATE 33.5%) 300 LBS/ACRE

C. SECOND-YEAR FERTILIZER: (5-10-15 OR EQUIVALENT) 800 LBS/ACRE

PLAN SECTION A-A

9 SECONDARY SPILL CONTAINMENT DETAIL

SCALE: N.T.S.

Client:
ASCENSION PARISH
DEPARTMENT OF PUBLIC WORKS
42077 CHURCHPOINT RD.
GONZALES, LA 70737

Project:
WALLACE ACRES SUBDIVISION
DRAINAGE IMPROVEMENTS PROJECT
WALLACE ACRES SUBDIVISION
ASCENSION PARISH

Title:
EROSION CONTROL and
SEDIMENTATION DETAILS

Description:
LOCATED IN
SECTION 4, TOWNSHIP 9 SOUTH, RANGE 3 EAST
SOUTHEASTERN LAND DISTRICT EAST OF MISSISSIPPI RIVER.
ASCENSION PARISH, LOUISIANA

DWG Path: P:\~2017 Projects\17-247 Wallace Acres Drainage Project\Drawings\Engineering\Plans\Current\17247_22_EC.dwg

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Stamp:
STATE OF LOUISIANA
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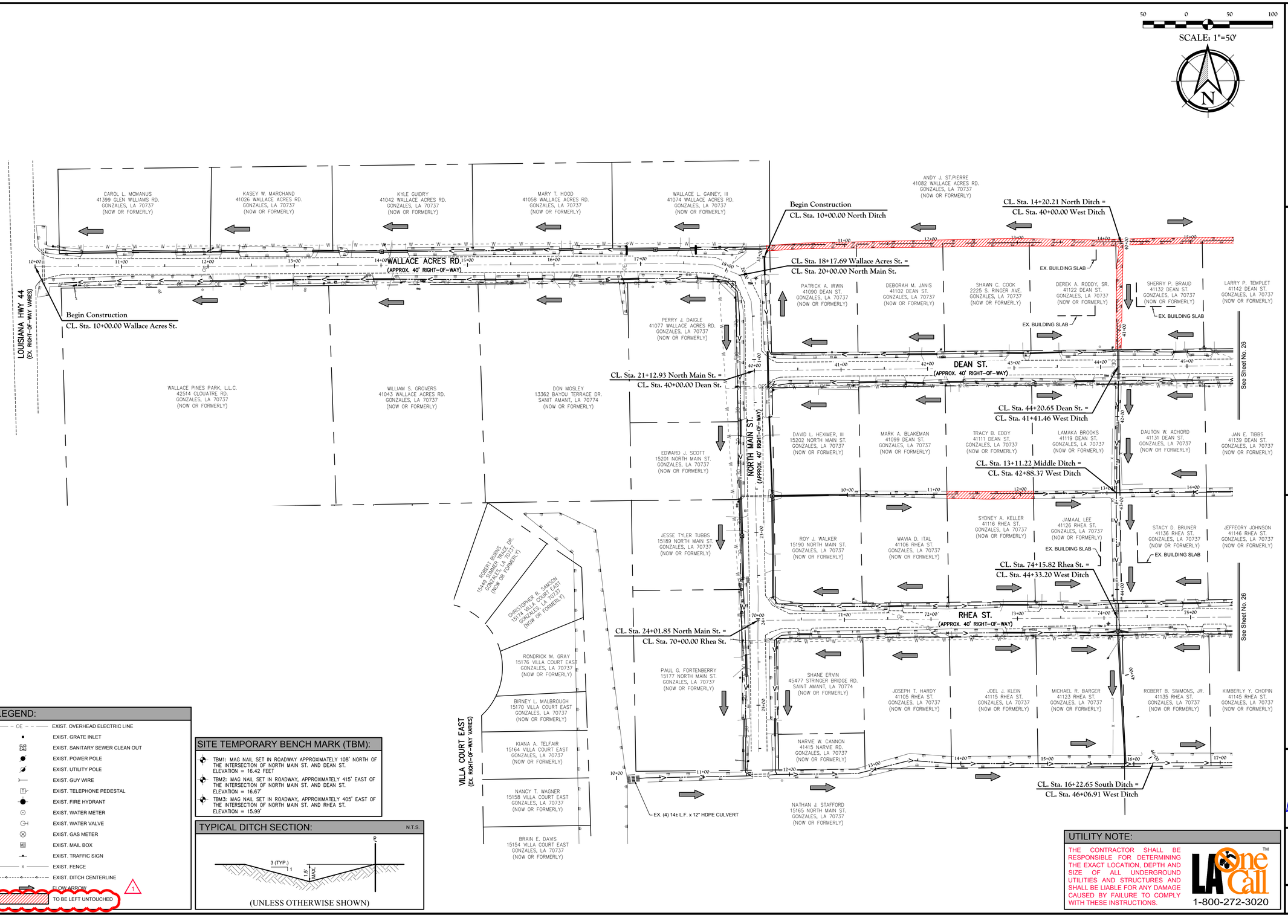
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
5/6/19

Drawn By: EVK
Date: FEBRUARY 2019
Project No.: 17-247
Sheet: 24 OF 53



LEGEND:

- OE — EXIST. OVERHEAD ELECTRIC LINE
- EXIST. GRATE INLET
- EXIST. SANITARY SEWER CLEAN OUT
- EXIST. POWER POLE
- EXIST. UTILITY POLE
- EXIST. GUY WIRE
- EXIST. TELEPHONE PEDESTAL
- EXIST. FIRE HYDRANT
- EXIST. WATER METER
- EXIST. WATER VALVE
- EXIST. GAS METER
- EXIST. MAIL BOX
- EXIST. TRAFFIC SIGN
- x — EXIST. FENCE
- EXIST. DITCH CENTERLINE
- FLOW ARROW
- TO BE LEFT UNTOUCHED

SITE TEMPORARY BENCH MARK (TBM):

TBM1: MAG NAIL SET IN ROADWAY APPROXIMATELY 108' NORTH OF THE INTERSECTION OF NORTH MAIN ST. AND DEAN ST. ELEVATION = 16.42 FEET

TBM2: MAG NAIL SET IN ROADWAY, APPROXIMATELY 415' EAST OF THE INTERSECTION OF NORTH MAIN ST. AND DEAN ST. ELEVATION = 16.67'

TBM3: MAG NAIL SET IN ROADWAY, APPROXIMATELY 405' EAST OF THE INTERSECTION OF NORTH MAIN ST. AND RHEA ST. ELEVATION = 15.99'

TYPICAL DITCH SECTION:

N.T.S.

(UNLESS OTHERWISE SHOWN)

UTILITY NOTE:

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42077 CHURCHPOINT RD.
GONZALES, LA 70737

Project:
WALLACE ACRES SUBDIVISION
DRAINAGE IMPROVEMENTS PROJECT
WALLACE ACRES SUBDIVISION
ASCENSION PARISH

Title:
DRAINAGE LAYOUT

Description:
LOCATED IN
SECTION 4, TOWNSHIP 9 SOUTH, RANGE 3 EAST,
SOUTHEASTERN LAND DISTRICT EAST OF MISSISSIPPI RIVER,
ASCENSION PARISH, LOUISIANA

DWG Path: P:\2017 Projects\17-247 Wallace Acres Drainage Project\Drawings\Engineering\Plans\Current\17247_25_DL.dwg

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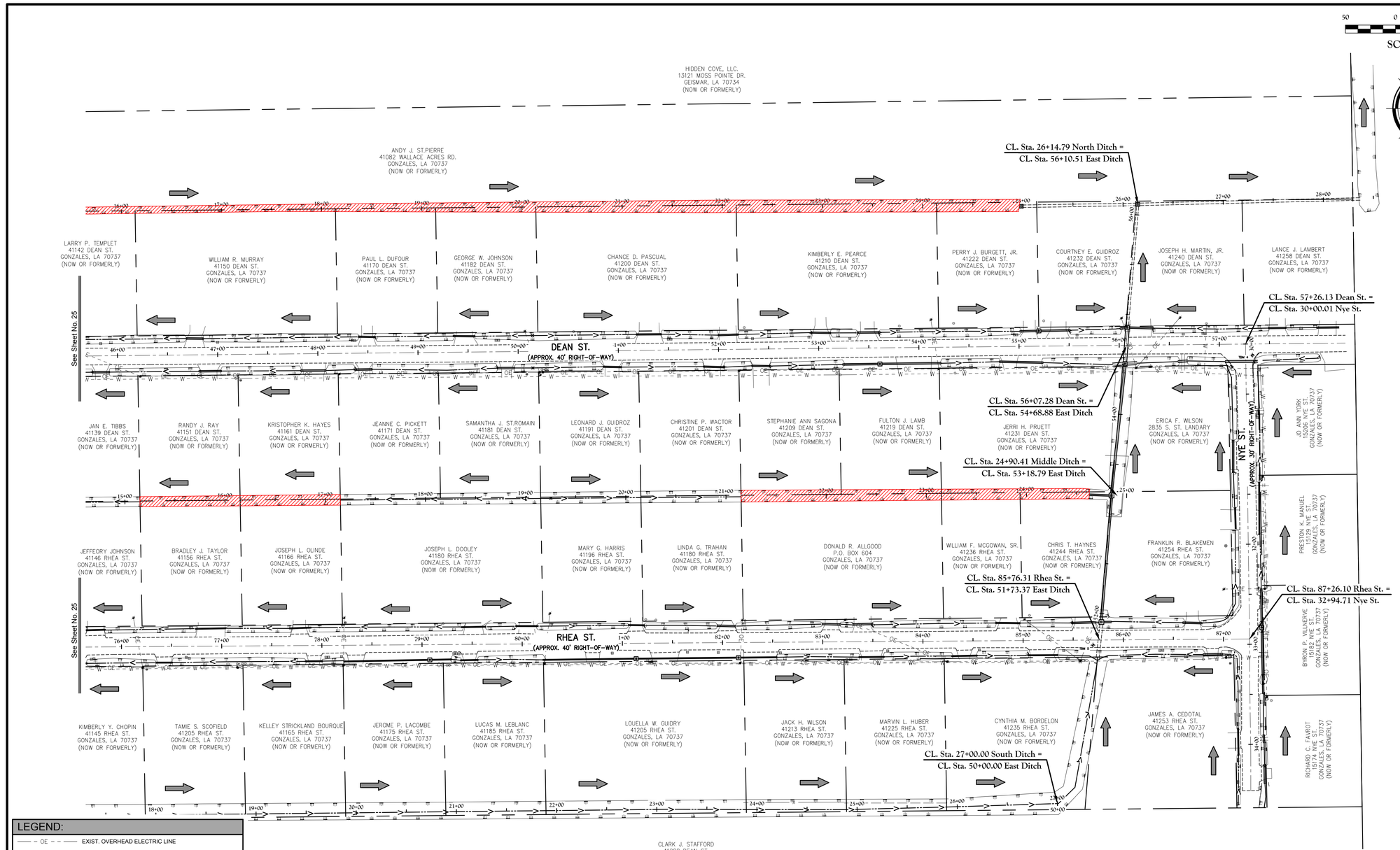
Project No.: 17-247
Sheet: 25 OF 53



LEGEND:

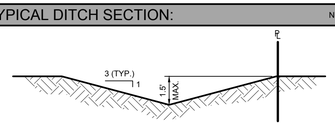
- OE — OE — EXIST. OVERHEAD ELECTRIC LINE
- EXIST. GRATE INLET
- EXIST. SANITARY SEWER CLEAN OUT
- EXIST. POWER POLE
- EXIST. UTILITY POLE
- EXIST. GUY WIRE
- EXIST. TELEPHONE PEDESTAL
- EXIST. FIRE HYDRANT
- EXIST. WATER METER
- EXIST. WATER VALVE
- EXIST. GAS METER
- EXIST. MAIL BOX
- EXIST. TRAFFIC SIGN
- x — x — EXIST. FENCE
- EXIST. DITCH CENTERLINE
- FLOW ARROW
- TO BE LEFT UNTOUCHED

SITE TEMPORARY BENCH MARK (TBM):

TBM4: MAG SPIKE SET IN ROADWAY, APPROXIMATELY 16.2' SOUTHEAST OF THE INTERSECTION OF DEAN ST AND NYE ST.
ELEVATION = 16.20'

TBM5: 60d NAIL SET IN ROADWAY, APPROXIMATELY 157' WEST OF THE INTERSECTION OF RHEA ST. AND NYE ST.
ELEVATION = 16.89'

TYPICAL DITCH SECTION: N.T.S.



(UNLESS OTHERWISE SHOWN)

UTILITY NOTE:

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LA One Call™ 1-800-272-3020

Client:
ASCENSION PARISH
DEPARTMENT OF PUBLIC WORKS
42077 CHURCHPOINT RD.
GONZALES, LA 70737

Project:
WALLACE ACRES SUBDIVISION
DRAINAGE IMPROVEMENTS PROJECT
WALLACE ACRES SUBDIVISION
ASCENSION PARISH

Title:
DRAINAGE LAYOUT

Description:
LOCATED IN
SECTION 4, TOWNSHIP 9 SOUTH, RANGE 3 EAST,
SOUTHEASTERN LAND DISTRICT EAST OF MISSISSIPPI RIVER.
ASCENSION PARISH, LOUISIANA

DWG Path: P:\~2017 Projects\17-247 Wallace Acres Drainage Project\Drawings\Engineering\Plans\Current\17247_25_DL.dwg

QUALITY
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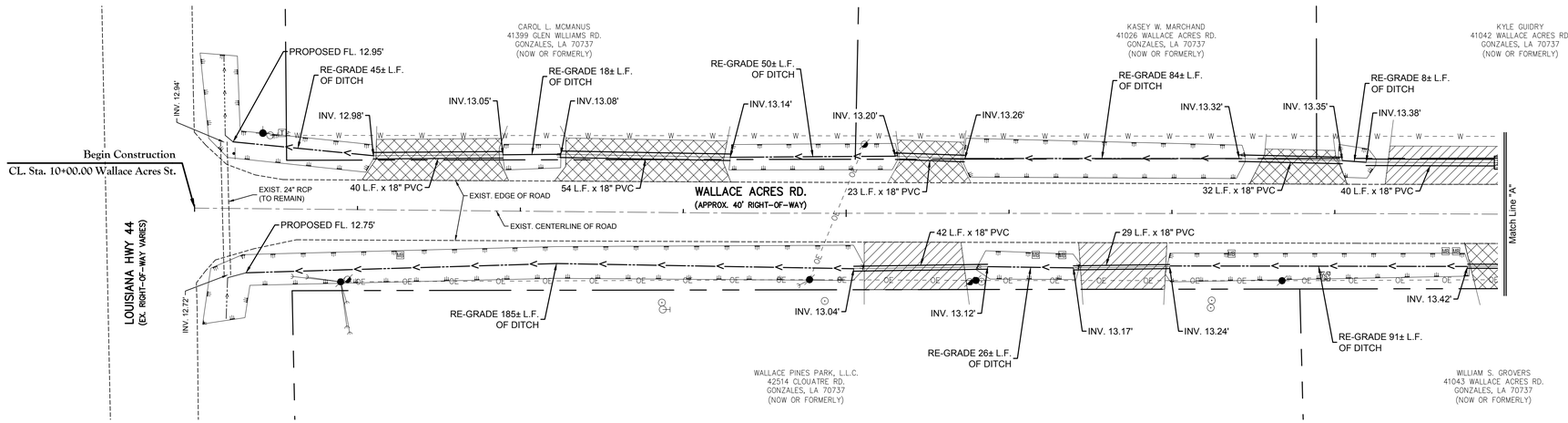
18320 Hwy 42 Port Vincent, LA 70726
225.698.1500 | www.qesla.com | info@qesla.com

Stamp:
STATE OF LOUISIANA
WILLIAM H. RUSSER
License No. 29357
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
5/1/19

Drawn By:	EVK
Date:	FEBRUARY 2019
Project No.:	17-247
Sheet:	26 OF 53



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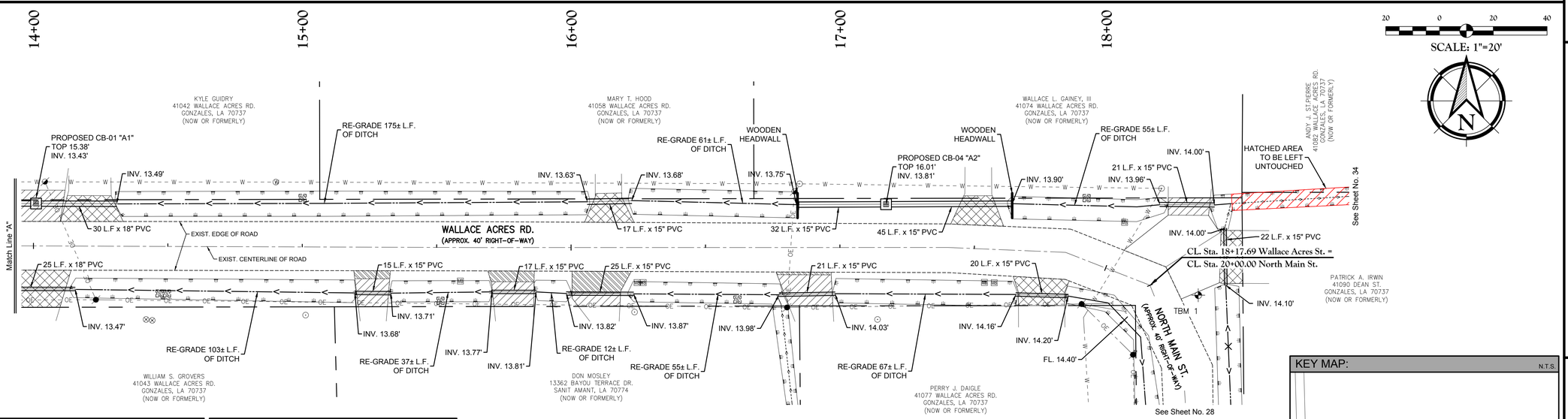


LEGEND:

- EXIST. OVERHEAD ELECTRIC LINE
- EXIST. GRATE INLET
- EXIST. SANITARY SEWER CLEAN OUT
- EXIST. POWER POLE
- EXIST. UTILITY POLE
- EXIST. GUY WIRE
- EXIST. TELEPHONE PEDESTAL
- EXIST. FIRE HYDRANT
- EXIST. WATER METER

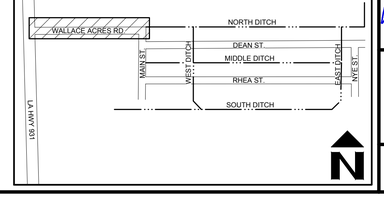
LEGEND:

- EXIST. WATER VALVE
- EXIST. GAS METER
- EXIST. MAIL BOX
- EXIST. TRAFFIC SIGN
- EXIST. FENCE
- EXIST. DITCH CENTERLINE
- PROPOSED GRATE INLET
- PROPOSED DITCH CENTERLINE
- PROPOSED DRAINAGE CULVERT

HATCHING LEGEND

- PROPOSED AGGREGATE DRIVEWAY REPLACEMENT
- PROPOSED CONCRETE DRIVEWAY REPLACEMENT
- PROPOSED ASPHALT ROADWAY REPLACEMENT
- TO BE LEFT UNTOUCHED

KEY MAP: N.T.S.



Client:
ASCENSION PARISH
DEPARTMENT OF PUBLIC WORKS
42077 CHURCHPOINT RD.
GONZALES, LA 70737

Project:
WALLACE ACRES SUBDIVISION
DRAINAGE IMPROVEMENTS PROJECT
WALLACE ACRES SUBDIVISION
ASCENSION PARISH

Title:
PROPOSED LAYOUT
WALLACE ACRES RD.
STA. 10+00 to STA. 18+17.69

Description:
LOCATED IN
SECTION 4, TOWNSHIP 9 SOUTH, RANGE 3 EAST,
SOUTHEASTERN LAND DISTRICT EAST OF MISSISSIPPI RIVER.
ASCENSION PARISH, LOUISIANA

DWG Path: P:\~2017 Projects\17-247 Wallace Acres Drainage Project\Drawings\Engineering\Plans\Current\17247_27_PW_Wallace Acres Rd.dwg

QUALITY
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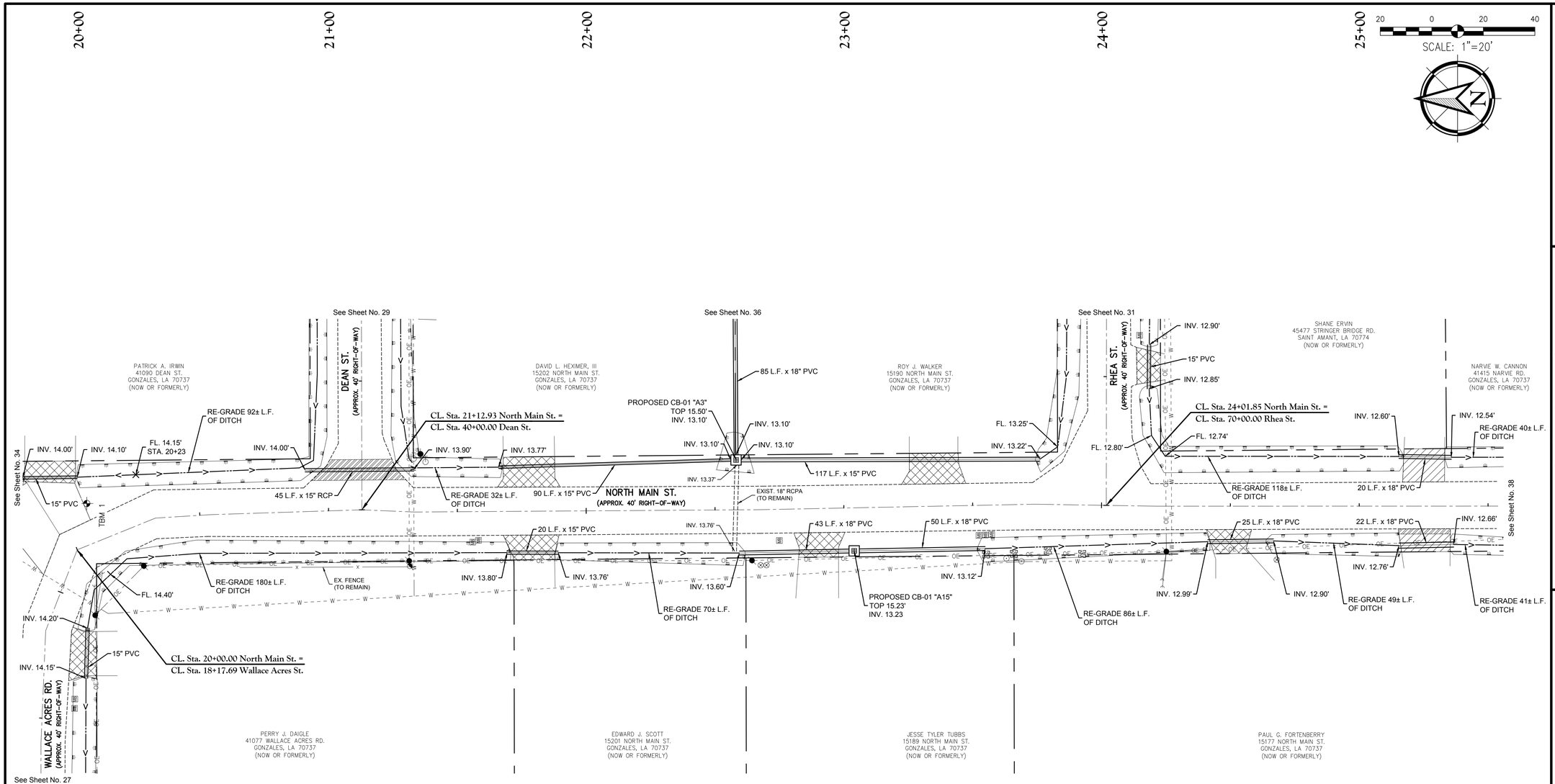
18320 Hwy 43 Port Vincent, LA 70726
225.698.1600 | www.qesla.com | info@qesla.com

Stamp:
STATE OF LOUISIANA
WILLIAM H. FLEMER
License No. 29357
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
6/19/19

Drawn By: EVK
Date: FEBRUARY 2019
Project No.: 17-247

Sheet: 27 OF 53



LEGEND:

- EXIST. OVERHEAD ELECTRIC LINE
- EXIST. GRATE INLET
- EXIST. SANITARY SEWER CLEAN OUT
- EXIST. POWER POLE
- EXIST. UTILITY POLE
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- EXIST. WATER VALVE
- EXIST. GAS METER
- EXIST. MAIL BOX
- EXIST. TRAFFIC SIGN
- EXIST. FENCE
- EXIST. DITCH CENTERLINE
- PROPOSED GRATE INLET
- PROPOSED DITCH CENTERLINE
- PROPOSED DRAINAGE CULVERT

HATCHING LEGEND

- PROPOSED AGGREGATE DRIVEWAY REPLACEMENT
- PROPOSED CONCRETE DRIVEWAY REPLACEMENT
- PROPOSED ASPHALT ROADWAY REPLACEMENT
- TO BE LEFT UNTOUCHED

UTILITY NOTE:

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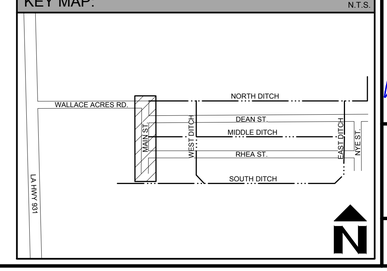
LA One Call™ 1-800-272-3020

KEY MAP: N.T.S.



Client:
ASCENSION PARISH
DEPARTMENT OF PUBLIC WORKS
42077 CHURCHPOINT RD.
GONZALES, LA 70737

Project:
WALLACE ACRES SUBDIVISION
DRAINAGE IMPROVEMENTS PROJECT
WALLACE ACRES SUBDIVISION
ASCENSION PARISH

Title:
PROPOSED LAYOUT
NORTH MAIN ST.
STA. 20+00 to STA. 25+53.87

Description:
LOCATED IN
SECTION 4, TOWNSHIP 9 SOUTH, RANGE 3 EAST,
SOUTHEASTERN LAND DISTRICT EAST OF MISSISSIPPI RIVER,
ASCENSION PARISH, LOUISIANA

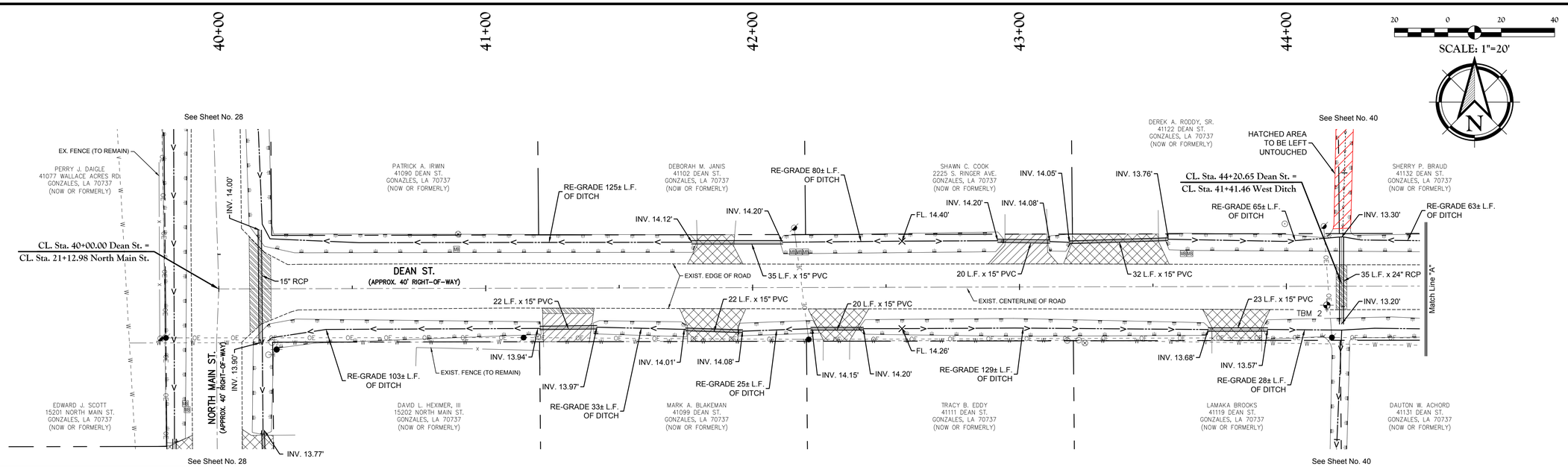
DWG Path: P:\~2017 Projects\17-247 Wallace Acres Drainage Project\Drawings\Engineering\Plans\Current\17247_20_PL (North Main St.).dwg

QUALITY
Engineering & Surveying, LLC
18320 Hwy 42 Port Vincent, LA 70726
225.698.1600 | www.qesla.com | info@qesla.com

Stamp:
STATE OF LOUISIANA
WILLIAM H. PLUCKER
License No. 29357
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
5/9/19

Drawn By:	EVK
Date:	FEBRUARY 2019
Project No.:	17-247

Sheet: 28 OF 53



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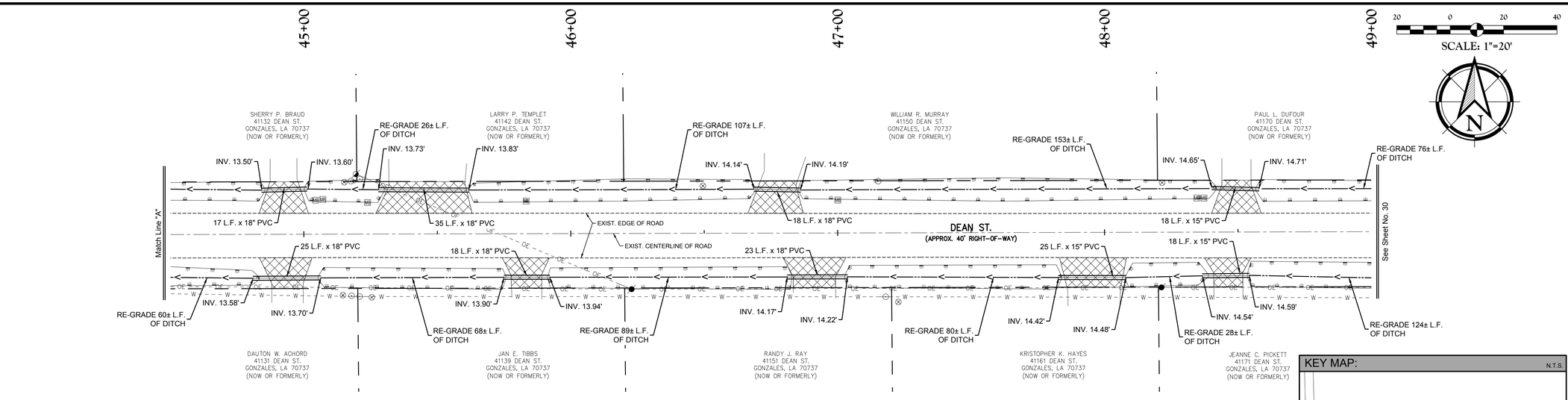
LA One Call™ 1-800-272-3020



LEGEND:

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- EXIST. GRATE INLET
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- EXIST. UTILITY POLE
- EXIST. GUY WIRE
- EXIST. TELEPHONE PEDESTAL
- EXIST. FIRE HYDRANT
- EXIST. WATER METER

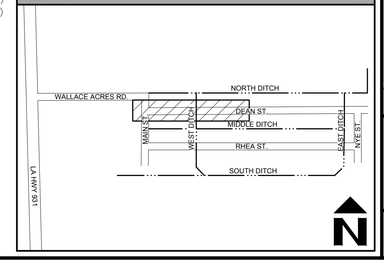
LEGEND:

- EXIST. WATER VALVE
- EXIST. GAS METER
- MB — EXIST. MAIL BOX
- EXIST. TRAFFIC SIGN
- x — EXIST. FENCE
- EXIST. DITCH CENTERLINE
- EXIST. GRATE INLET
- PROPOSED DITCH CENTERLINE
- PROPOSED DRAINAGE CULVERT

HATCHING LEGEND

- PROPOSED AGGREGATE DRIVEWAY REPLACEMENT
- PROPOSED CONCRETE DRIVEWAY REPLACEMENT
- PROPOSED ASPHALT ROADWAY REPLACEMENT
- TO BE LEFT UNTOUCHED

KEY MAP: N.T.S.



Client: ASCENSION PARISH DEPARTMENT OF PUBLIC WORKS
42077 CHURCHPOINT RD. GONZALES, LA 70737

Project: WALLACE ACRES SUBDIVISION DRAINAGE IMPROVEMENTS PROJECT
WALLACE ACRES SUBDIVISION ASCENSION PARISH

Title: PROPOSED LAYOUT DEAN ST. STA. 40+00 to STA. 49+00

Description: LOCATED IN SECTION 4, TOWNSHIP 9 SOUTH, RANGE 3 EAST, SOUTHEASTERN LAND DISTRICT EAST OF MISSISSIPPI RIVER, ASCENSION PARISH, LOUISIANA

DWG Path: P:\-2017 Projects\17-247 Wallace Acres Drainage Project\Drawings\Engineering\Plans\Current\17247_29_PH (Dean St.).dwg

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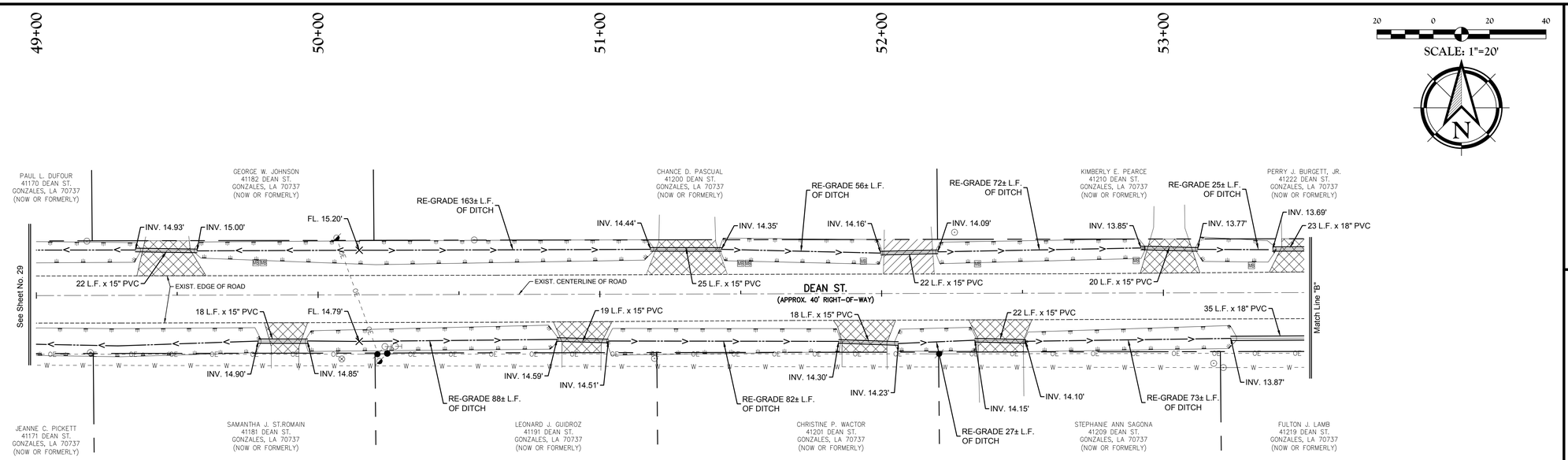
18320 Hwy 42 Port Vincent, LA 70726
225.698.1600 | www.qesla.com | info@qesla.com

Stamp: STATE OF LOUISIANA — WILLIAM H. PLUCKER — License No. 29357 — PROFESSIONAL ENGINEER IN CIVIL ENGINEERING — 5/9/19

Drawn By: EVK
Date: FEBRUARY 2019
Project No.: 17-247
Sheet: 29 OF 53



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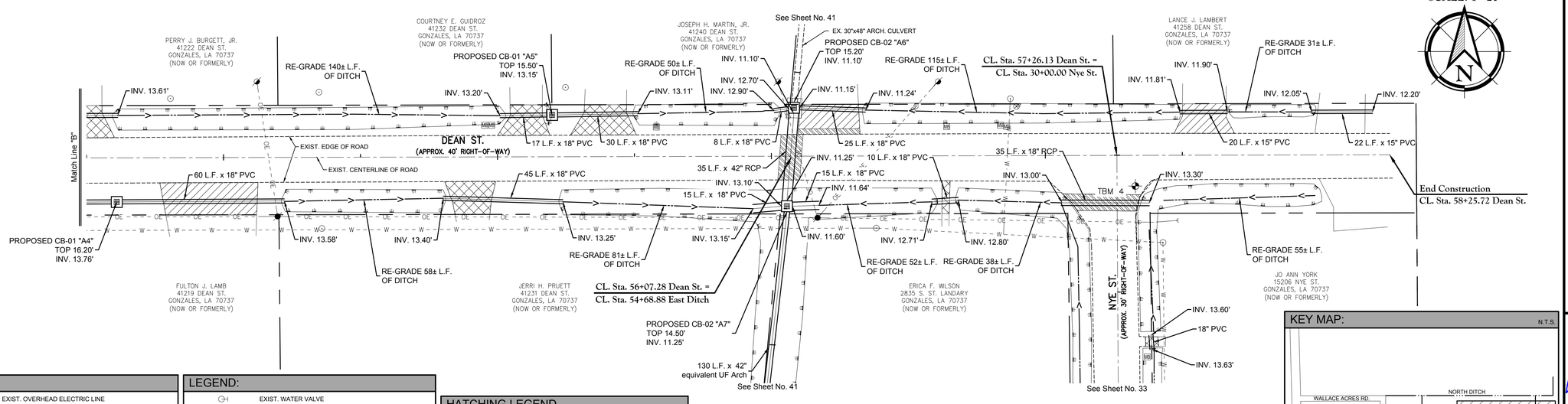
LA One Call™ 1-800-272-3020



LEGEND:

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- EXIST. GRATE INLET
- EXIST. SANITARY SEWER CLEAN OUT
- EXIST. POWER POLE
- EXIST. UTILITY POLE
- EXIST. GUY WIRE
- EXIST. TELEPHONE PEDESTAL
- EXIST. FIRE HYDRANT
- EXIST. WATER METER

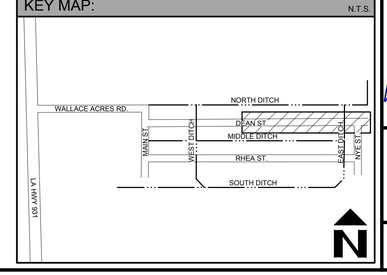
LEGEND:

- EXIST. WATER VALVE
- EXIST. GAS METER
- MB EXIST. MAIL BOX
- EXIST. TRAFFIC SIGN
- x EXIST. FENCE
- EXIST. DITCH CENTERLINE
- PROPOSED GRATE INLET
- PROPOSED DITCH CENTERLINE
- PROPOSED DRAINAGE CULVERT

HATCHING LEGEND

- PROPOSED AGGREGATE DRIVEWAY REPLACEMENT
- PROPOSED CONCRETE DRIVEWAY REPLACEMENT
- PROPOSED ASPHALT ROADWAY REPLACEMENT
- TO BE LEFT UNTOUCHED

KEY MAP: N.T.S.



Client: ASCENSION PARISH
DEPARTMENT OF PUBLIC WORKS
42077 CHURCHPOINT RD.
GONZALES, LA 70737

Project: WALLACE ACRES SUBDIVISION
DRAINAGE IMPROVEMENTS PROJECT
WALLACE ACRES SUBDIVISION
ASCENSION PARISH

Title: PROPOSED LAYOUT
DEAN ST.
STA. 49+00 to STA. 57+92.56

Description: LOCATED IN
SECTION 4, TOWNSHIP 9 SOUTH, RANGE 3 EAST
SOUTHEASTERN LAND DISTRICT EAST OF MISSISSIPPI RIVER.
ASCENSION PARISH, LOUISIANA

DWG Path: P:\~2017 Projects\17-247 Wallace Acres Drainage Project\Drawings\Engineering\Plans\Current\17247_29_PH (Item 53).dwg

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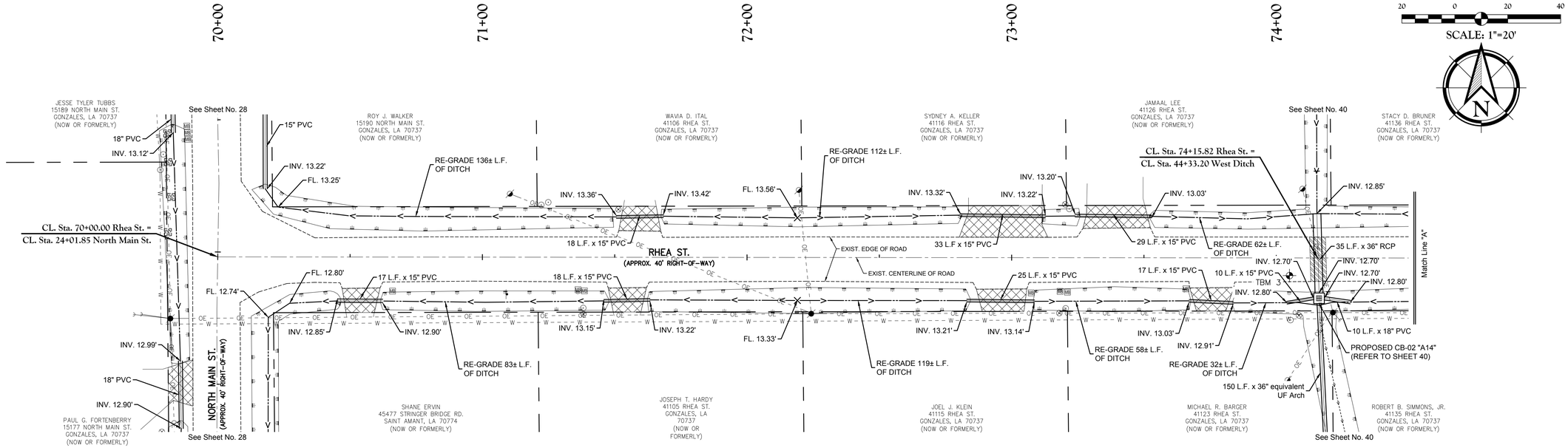
STATE OF LOUISIANA
WILLIAM H. PLUCKER
License No. 29357
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
4/9/19

Drawn By: EVK
Date: FEBRUARY 2019
Project No.: 17-247
Sheet: 30 OF 53



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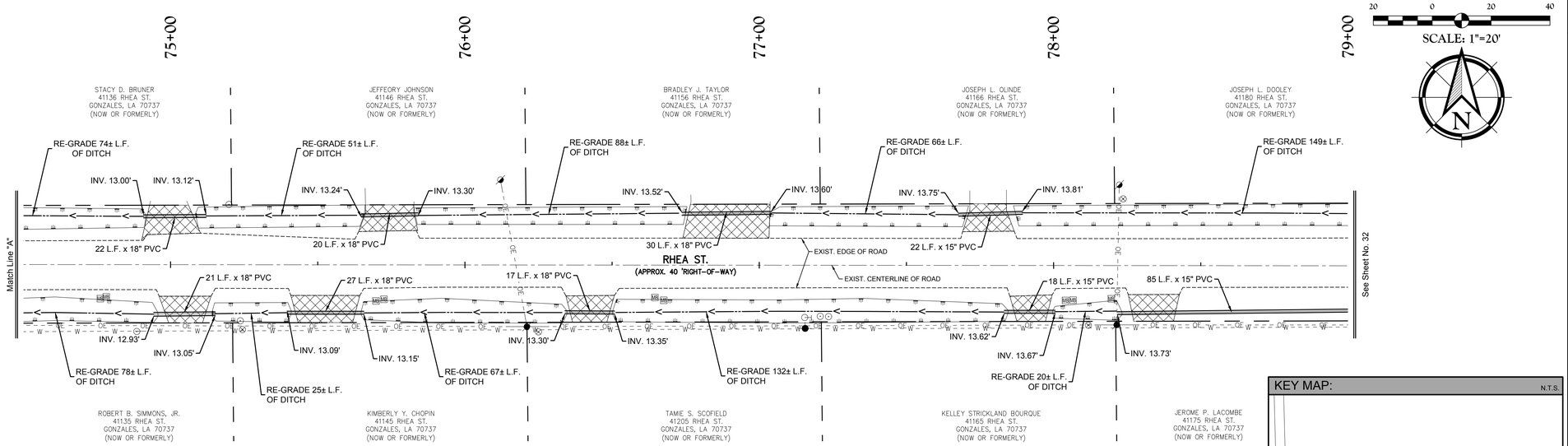

LEGEND:

- EXIST. OVERHEAD ELECTRIC LINE
- EXIST. GRATE INLET
- EXIST. SANITARY SEWER CLEAN OUT
- EXIST. POWER POLE
- EXIST. UTILITY POLE
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- EXIST. TELEPHONE PEDESTAL
- EXIST. FIRE HYDRANT

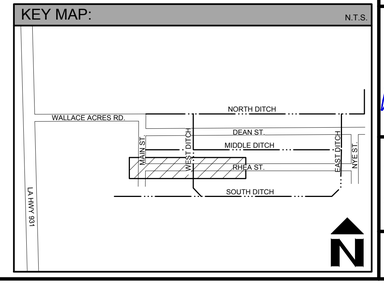
LEGEND:

- EXIST. WATER METER
- EXIST. WATER VALVE
- EXIST. GAS METER
- EXIST. MAIL BOX
- EXIST. TRAFFIC SIGN
- EXIST. FENCE
- EXIST. DITCH CENTERLINE

HATCHING LEGEND

- PROPOSED AGGREGATE DRIVEWAY REPLACEMENT
- PROPOSED CONCRETE DRIVEWAY REPLACEMENT
- PROPOSED ASPHALT ROADWAY REPLACEMENT
- TO BE LEFT UNTOUCHED

KEY MAP: N.T.S.



Client:
ASCENSION PARISH
DEPARTMENT OF PUBLIC WORKS
42077 CHURCHPOINT RD.
GONZALES, LA 70737

Project:
WALLACE ACRES SUBDIVISION
DRAINAGE IMPROVEMENTS PROJECT
WALLACE ACRES SUBDIVISION
ASCENSION PARISH

Title:
PROPOSED LAYOUT RHEA ST.
STA. 70+00 to STA. 79+00

Description:
LOCATED IN
SECTION 4, TOWNSHIP 9 SOUTH, RANGE 3 EAST,
SOUTHEASTERN LAND DISTRICT EAST OF MISSISSIPPI RIVER,
ASCENSION PARISH, LOUISIANA

DWG Path: P:\-2017 Projects\17-247 Wallace Acres Drainage Project\Drawings\Engineering\Plans\Current\17247_21_PH (Rhea St.).dwg

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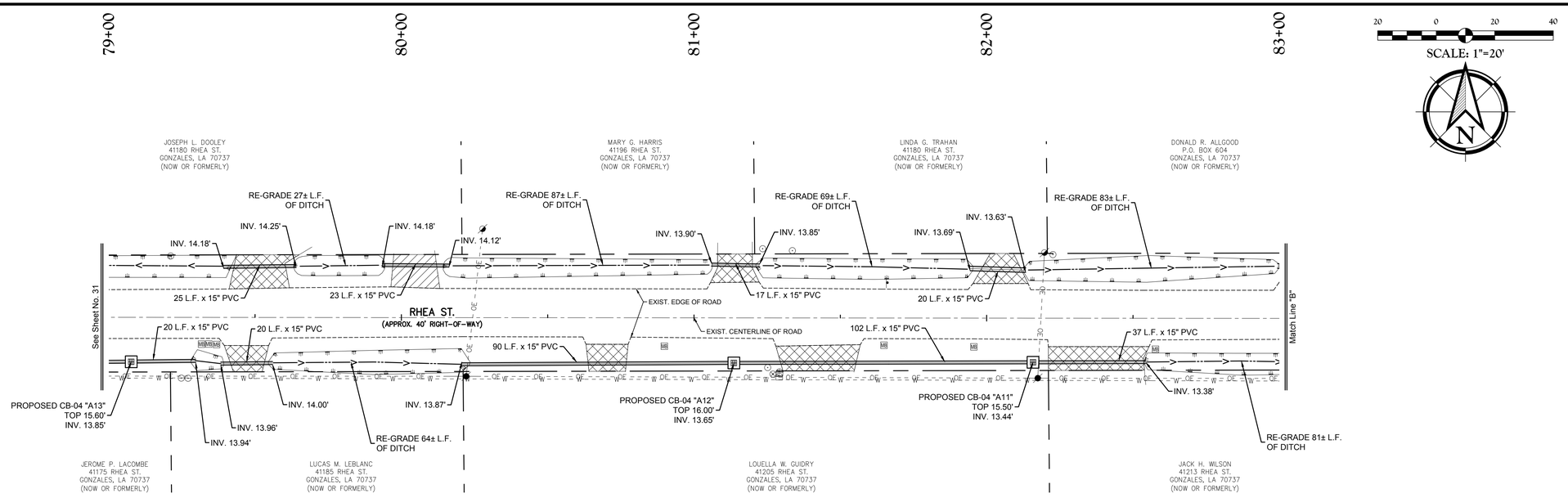
225.698.1600 | www.qesla.com | info@qesla.com

Stamp:
STATE OF LOUISIANA
WILLIAM H. PLUSER
License No. 29357
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
6/19/19

Drawn By: EVK
Date: FEBRUARY 2019
Project No.: 17-247
Sheet: 31 OF 53



UTILITY NOTE:

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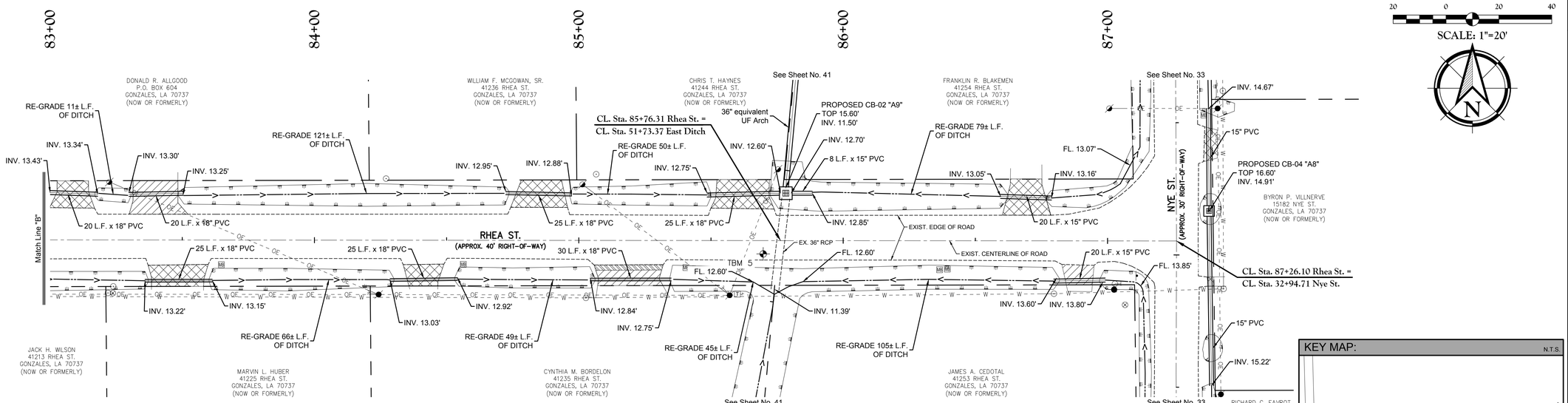

LEGEND:

- OE — EXIST. OVERHEAD ELECTRIC LINE
- EXIST. GRATE INLET
- EXIST. SANITARY SEWER CLEAN OUT
- EXIST. POWER POLE
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- EXIST. TELEPHONE PEDESTAL
- EXIST. FIRE HYDRANT

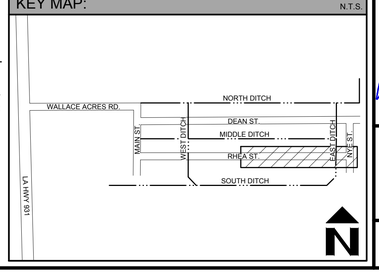
LEGEND:

- EXIST. WATER METER
- EXIST. WATER VALVE
- EXIST. GAS METER
- EXIST. MAIL BOX
- EXIST. TRAFFIC SIGN
- x — EXIST. FENCE
- EXIST. DITCH CENTERLINE

HATCHING LEGEND

- PROPOSED AGGREGATE DRIVEWAY REPLACEMENT
- PROPOSED CONCRETE DRIVEWAY REPLACEMENT
- PROPOSED ASPHALT ROADWAY REPLACEMENT
- TO BE LEFT UNTOUCHED

KEY MAP: N.T.S.



Client: ASCENSION PARISH DEPARTMENT OF PUBLIC WORKS
42077 CHURCHPOINT RD.
GONZALES, LA 70737

Project: WALLACE ACRES SUBDIVISION DRAINAGE IMPROVEMENTS PROJECT
WALLACE ACRES SUBDIVISION
ASCENSION PARISH

Title: PROPOSED LAYOUT
RHEA ST.
STA. 79+00 to STA. 87+26.10

Description: LOCATED IN
SECTION 4, TOWNSHIP 9 SOUTH, RANGE 3 EAST,
SOUTHEASTERN LAND DISTRICT EAST OF MISSISSIPPI RIVER,
ASCENSION PARISH, LOUISIANA

DWG Path: P:\-2017 Projects\17-247 Wallace Acres Drainage Project\Drawings\Engineering\Plans\Current\17247_27_PH (Rhea St.).dwg

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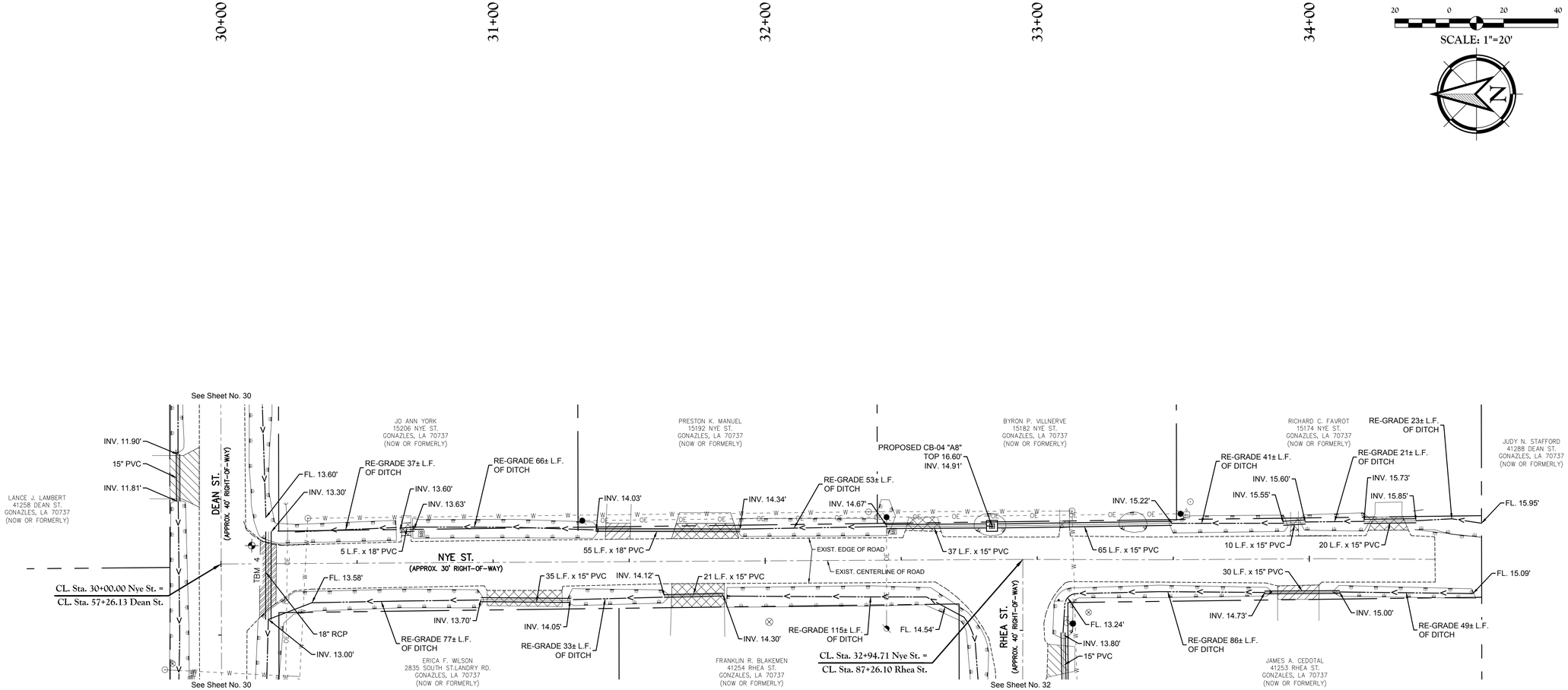
225.698.1600 | www.qesla.com | info@qesla.com

Stamp: STATE OF LOUISIANA — WILLIAM H. PLUSER — License No. 29357 — PROFESSIONAL ENGINEER IN — CIVIL ENGINEERING — 6/19

Drawn By: EVK
Date: FEBRUARY 2019
Project No.: 17-247
Sheet: 32 OF 53



LEGEND:

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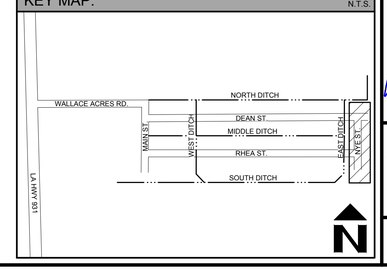
HATCHING LEGEND

- PROPOSED AGGREGATE DRIVEWAY REPLACEMENT
- PROPOSED CONCRETE DRIVEWAY REPLACEMENT
- PROPOSED ASPHALT ROADWAY REPLACEMENT
- TO BE LEFT UNTOUCHED

KEY MAP: N.T.S.



Client: ASCENSION PARISH DEPARTMENT OF PUBLIC WORKS 42077 CHURCHPOINT RD. GONZALES, LA 70737

Project: WALLACE ACRES SUBDIVISION DRAINAGE IMPROVEMENTS PROJECT WALLACE ACRES SUBDIVISION ASCENSION PARISH

Title: PROPOSED LAYOUT NYE ST. STA. 30+00 to STA. 34+46.20

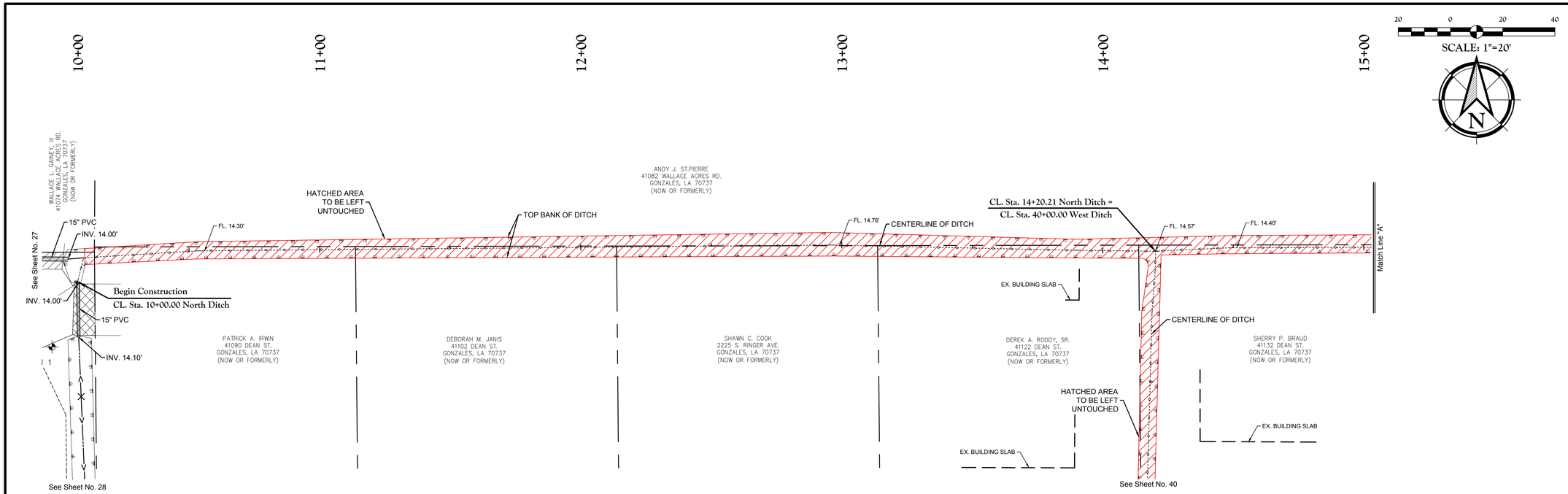
Description: LOCATED IN SECTION 4, TOWNSHIP 9 SOUTH, RANGE 3 EAST, SOUTHEASTERN LAND DISTRICT EAST OF MISSISSIPPI RIVER, ASCENSION PARISH, LOUISIANA

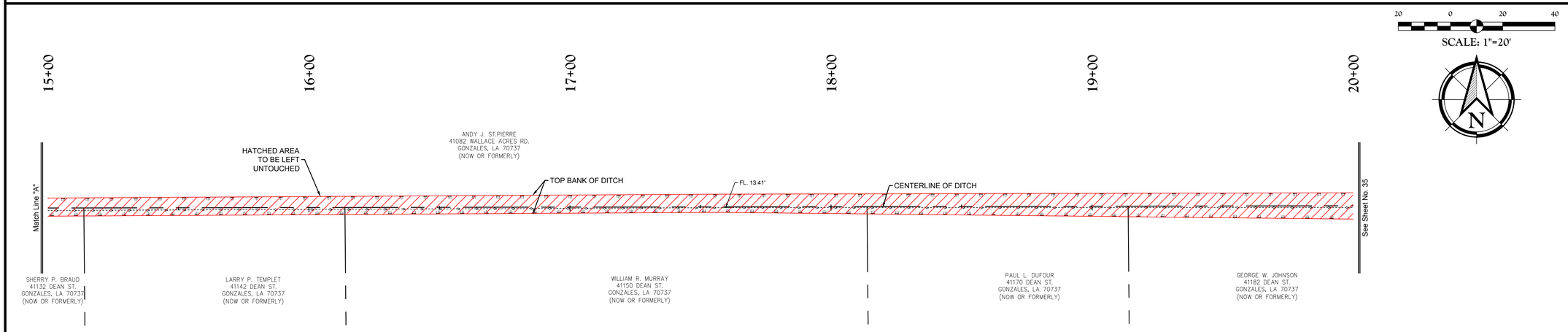
DWG Path: P:\-2017 Projects\17-247 Wallace Acres Drainage Project\Drawings\Engineering\Plans\Current\17247_33_PN (Nye St.).dwg

QUALITY Engineering & Surveying, LLC
18320 Hwy 42 Port Vincent, LA 70726
225.698.1600 | www.qesla.com | info@qesla.com

Stamp: STATE OF LOUISIANA WILLIAM H. PLUMER License No. 29357 PROFESSIONAL ENGINEER IN CIVIL ENGINEERING 5/6/19

Drawn By:	EVK
Date:	FEBRUARY 2019
Project No.:	17-247
Sheet:	33 OF 53





HATCHING LEGEND

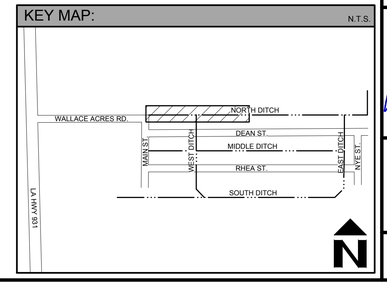
TO BE LEFT UNTOUCHED

UTILITY NOTE:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION, DEPTH AND SIZE OF ALL UNDERGROUND UTILITIES AND STRUCTURES AND SHALL BE LIABLE FOR ANY DAMAGE CAUSED BY FAILURE TO COMPLY WITH THESE INSTRUCTIONS.

LA One Call™ 1-800-272-3020

KEY MAP: N.T.S.



Client: ASCENSION PARISH
DEPARTMENT OF PUBLIC WORKS
42077 CHURCHPOINT RD.
GONZALES, LA 70737

Project: WALLACE ACRES SUBDIVISION
DRAINAGE IMPROVEMENTS PROJECT
WALLACE ACRES SUBDIVISION
ASCENSION PARISH

Title: PROPOSED LAYOUT
NORTH DITCH
STA. 10+00 to STA. 20+00

Description: LOCATED IN
SECTION 4, TOWNSHIP 9 SOUTH, RANGE 3 EAST,
SOUTHEASTERN LAND DISTRICT EAST OF MISSISSIPPI RIVER,
ASCENSION PARISH, LOUISIANA

DWG Path: P:\~2017 Projects\17-247 Wallace Acres Drainage Project\Engineering\Plans\Current\17247_34_PN (North Ditch).dwg

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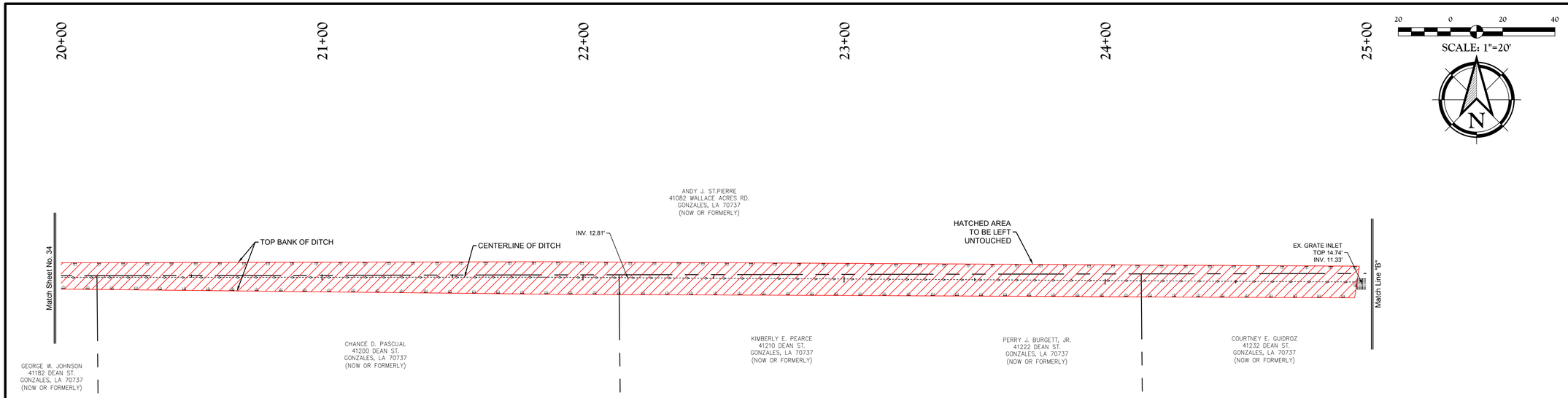
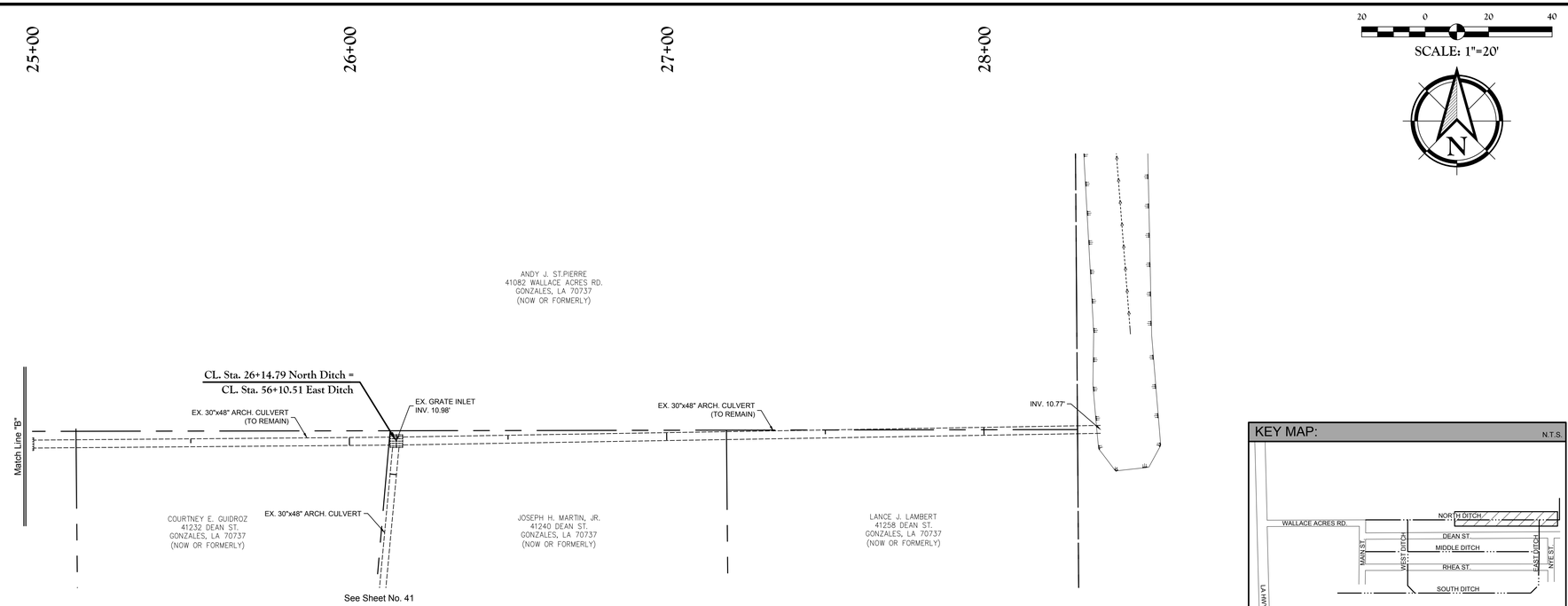
Stamp:
STATE OF LOUISIANA
WILLIAM H. PLESSER
License No. 28367
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
6/19

Drawn By: EVK
Date: FEBRUARY 2019
Project No.: 17-247
Sheet: 34 OF 53





HATCHING LEGEND

TO BE LEFT UNTOUCHED

UTILITY NOTE:

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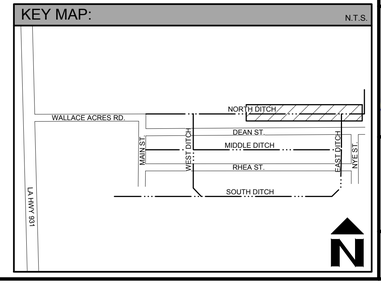
LA One Call™ 1-800-272-3020

KEY MAP: N.T.S.



PROPOSED LAYOUT NORTH DITCH STA. 20+00 STA. 28+00

LOCATED IN
SECTION 4, TOWNSHIP 9 SOUTH, RANGE 3 EAST,
SOUTHEASTERN LAND DISTRICT EAST OF MISSISSIPPI RIVER,
ASCENSION PARISH, LOUISIANA

Client: ASCENSION PARISH
DEPARTMENT OF PUBLIC WORKS
42077 CHURCHPOINT RD.
GONZALES, LA 70737

Project: WALLACE ACRES SUBDIVISION
DRAINAGE IMPROVEMENTS PROJECT
WALLACE ACRES SUBDIVISION
ASCENSION PARISH

Title:

Description:

DWG Path: P:\~2017 Projects\17-247 Wallace Acres Drainage Project\Drawings\Engineering\Plans\Current\17247_34_PN (North Ditch).dwg

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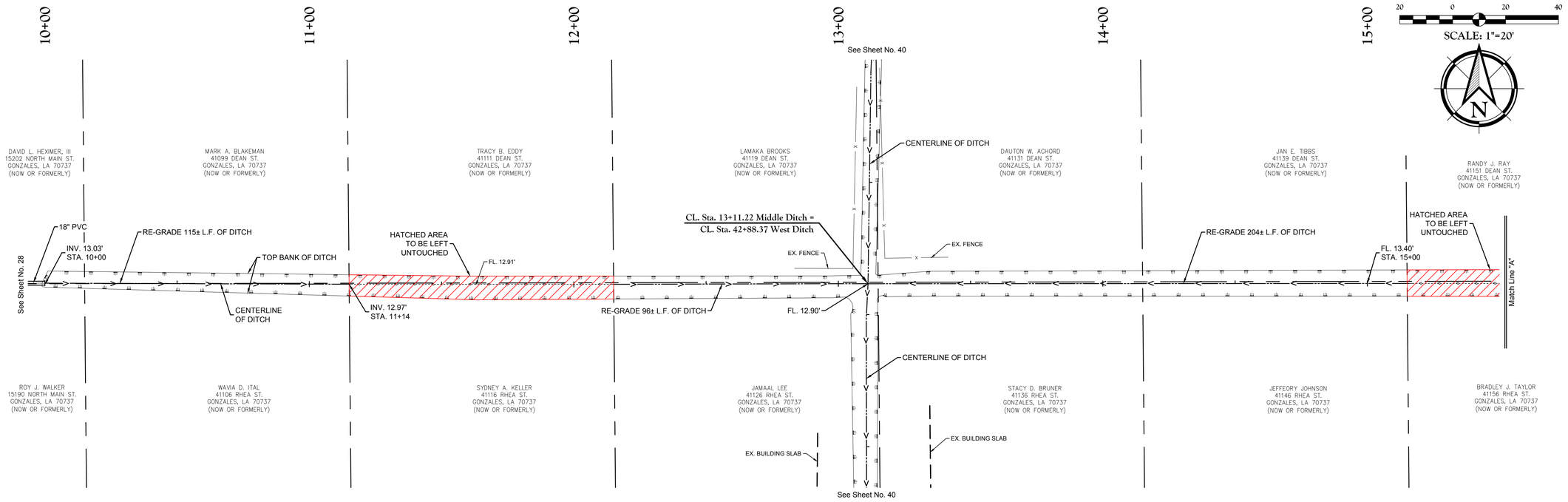
License No. 29357
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
6/6/19

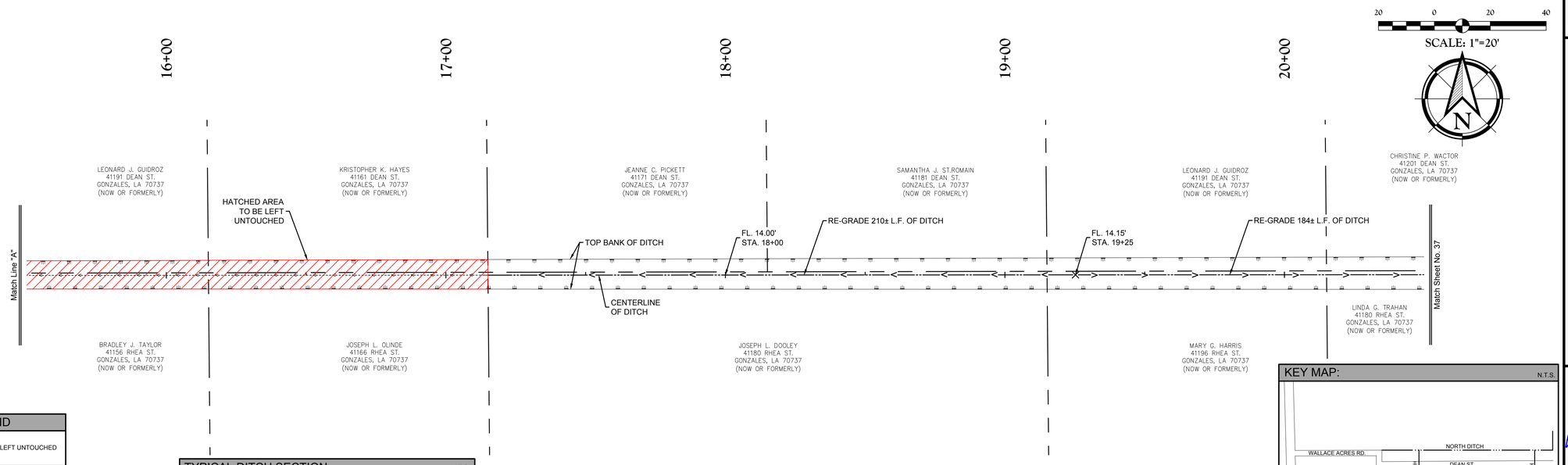
Drawn By: EVK

Date: FEBRUARY 2019

Project No.: 17-247

Sheet: 35 OF 53





HATCHING LEGEND

TO BE LEFT UNTOUCHED

UTILITY NOTE:

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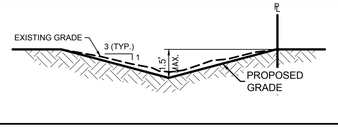
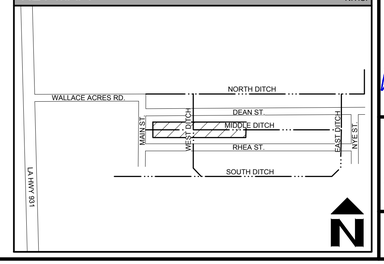
LA One Call™ 1-800-272-3020

TYPICAL DITCH SECTION: N.T.S.



KEY MAP: N.T.S.



Client: ASCENSION PARISH DEPARTMENT OF PUBLIC WORKS 42077 CHURCHPOINT RD. GONZALES, LA 70737

Project: WALLACE ACRES SUBDIVISION DRAINAGE IMPROVEMENTS PROJECT WALLACE ACRES SUBDIVISION ASCENSION PARISH

Title: PROPOSED LAYOUT MIDDLE DITCH STA. 10+00 to STA. 20+50

Description: LOCATED IN SECTION 4, TOWNSHIP 9 SOUTH, RANGE 3 EAST, SOUTHEASTERN LAND DISTRICT EAST OF MISSISSIPPI RIVER, ASCENSION PARISH, LOUISIANA

DWG Path: P:\~2017 Projects\17-247 Wallace Acres Drainage Project\Drawings\Engineering\Plans\Current\17247_37_PW_Middle Ditch1.dwg

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225.698.1600 | www.qesla.com | info@qesla.com

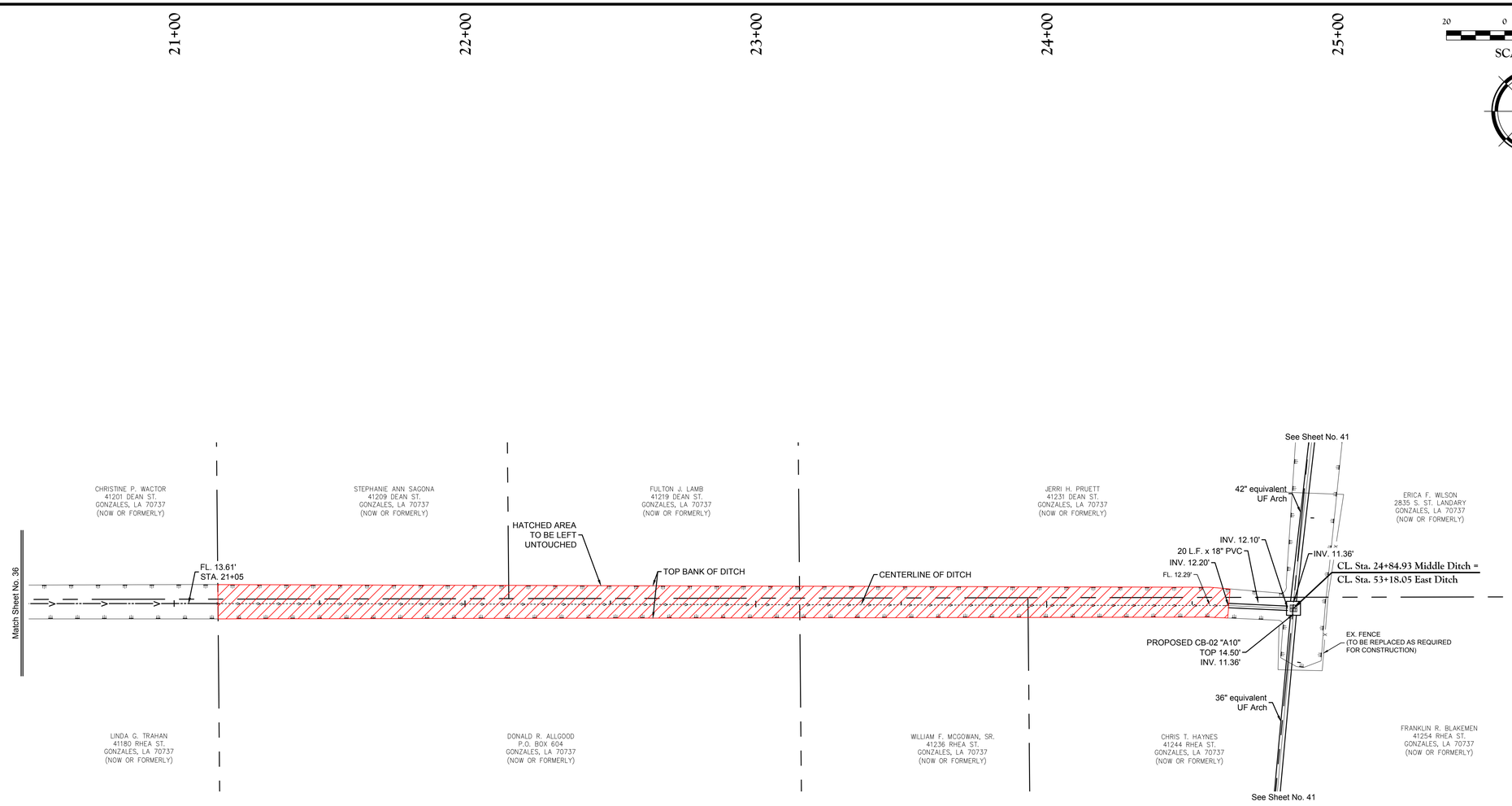
Stamp: STATE OF LOUISIANA WILLIAM H. HUGHES License No. 29357 PROFESSIONAL ENGINEER IN CIVIL ENGINEERING 8/9/19

Drawn By: EVK

Date: FEBRUARY 2019

Project No.: 17-247

Sheet: 36 OF 53



HATCHING LEGEND

TO BE LEFT UNTOUCHED

UTILITY NOTE:

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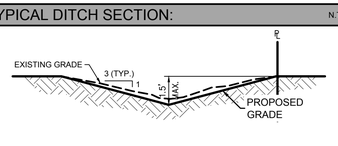
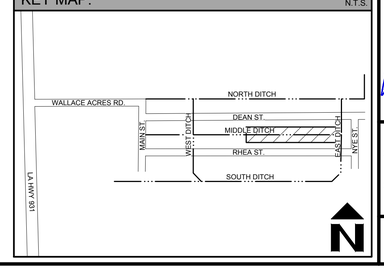
1-800-272-3020

TYPICAL DITCH SECTION: N.T.S.



KEY MAP: N.T.S.



Client:
ASCENSION PARISH
DEPARTMENT OF PUBLIC WORKS
42077 CHURCHPOINT RD.
GONZALES, LA 70737

Project:
WALLACE ACRES SUBDIVISION
DRAINAGE IMPROVEMENTS PROJECT
WALLACE ACRES SUBDIVISION
ASCENSION PARISH

Title:
PROPOSED LAYOUT
MIDDLE DITCH
STA. 20+50 to STA. 24+90.41

Description:
LOCATED IN
SECTION 4, TOWNSHIP 9 SOUTH, RANGE 3 EAST,
SOUTHEASTERN LAND DISTRICT EAST OF MISSISSIPPI RIVER,
ASCENSION PARISH, LOUISIANA

DWG Path: P:\~2017 Projects\17-247 Wallace Acres Drainage Project\Drawings\Engineering\Plans\Current\17247_ST_PH (Middle Ditch).dwg

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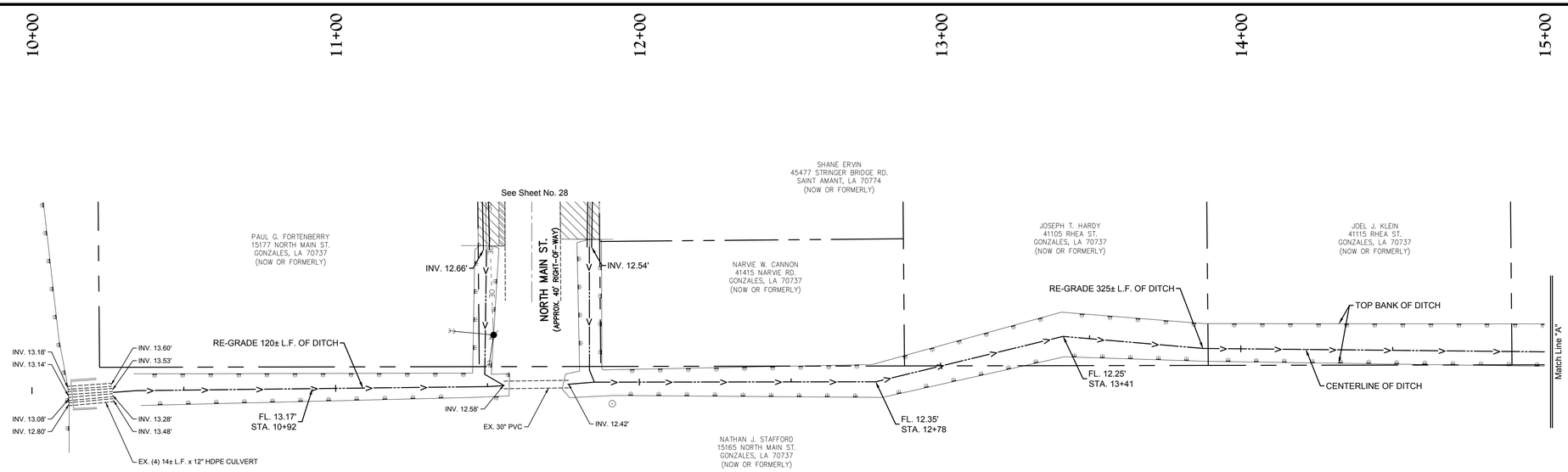
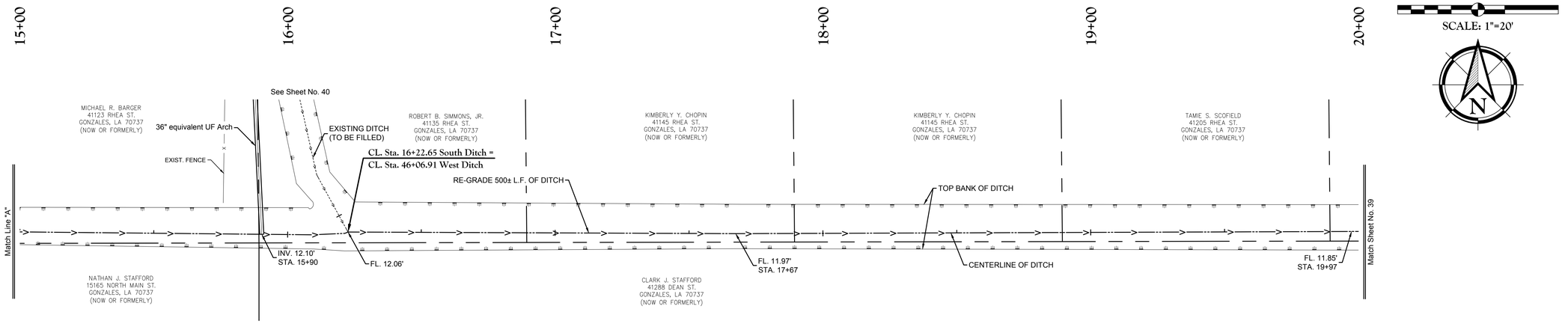
WILLIAM H. PLUCKER
License No. 29367
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
4/9/19

Drawn By: EVK
Date: FEBRUARY 2019
Project No.: 17-247
Sheet: 37 OF 53





UTILITY NOTE:

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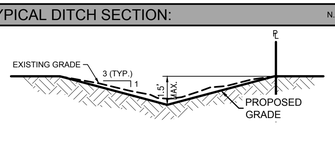
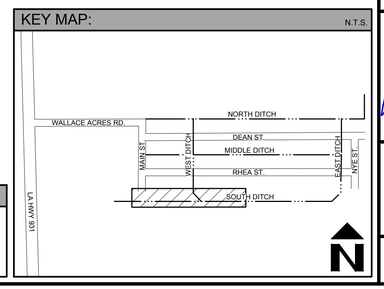
LA One Call™ 1-800-272-3020

TYPICAL DITCH SECTION: N.T.S.



KEY MAP: N.T.S.



HATCHING LEGEND

- PROPOSED ASPHALT ROADWAY REPLACEMENT
- TO BE LEFT UNTOUCHED

Client:
ASCENSION PARISH
DEPARTMENT OF PUBLIC WORKS
42077 CHURCHPOINT RD.
GONZALES, LA 70737

Project:
WALLACE ACRES SUBDIVISION
DRAINAGE IMPROVEMENTS PROJECT
WALLACE ACRES SUBDIVISION
ASCENSION PARISH

Title:
PROPOSED LAYOUT
SOUTH DITCH
STA.10+00 to STA. 20+00

Description:
LOCATED IN
SECTION 4, TOWNSHIP 9 SOUTH, RANGE 3 EAST,
SOUTHEASTERN LAND DISTRICT EAST OF MISSISSIPPI RIVER,
ASCENSION PARISH, LOUISIANA

DWG Path: P:\~2017 Projects\17-247 Wallace Acres Drainage Project\Drawings\Engineering\Plans\Current\17247_38_PH (South Ditch).dwg

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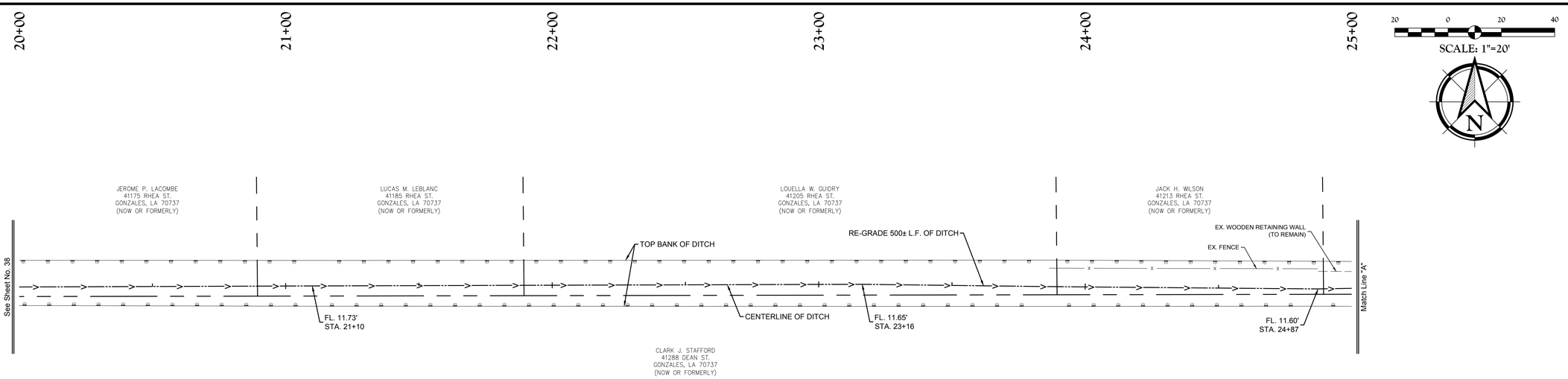
WILLIAM H. PLUESTER
License No. 28367
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
10/8/19

Drawn By: EVK
Date: FEBRUARY 2019
Project No.: 17-247
Sheet: 38 OF 53



20 0 20 40

SCALE: 1"=20'

N

UTILITY NOTE:

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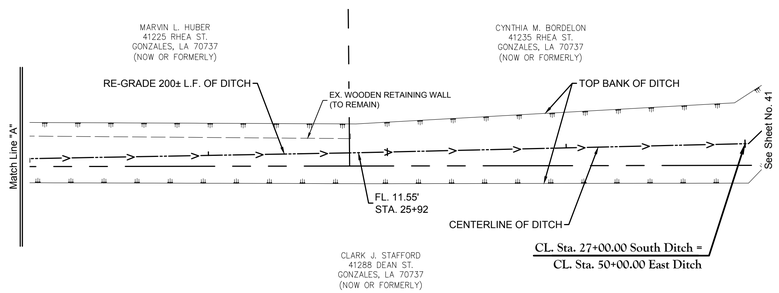
LA One Call™ 1-800-272-3020

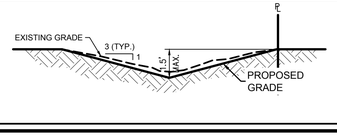


20 0 20 40

SCALE: 1"=20'

N

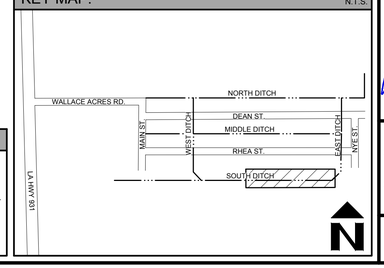
TYPICAL DITCH SECTION: N.T.S.



PAVEMENT LEGEND

- PROPOSED ASPHALT ROADWAY REPLACEMENT
- PROPOSED CONCRETE DRIVEWAY REPLACEMENT
- TO BE LEFT UNTOUCHED

KEY MAP: N.T.S.



Client:
ASCENSION PARISH
DEPARTMENT OF PUBLIC WORKS
42077 CHURCHPOINT RD.
GONZALES, LA 70737

Project:
WALLACE ACRES SUBDIVISION
DRAINAGE IMPROVEMENTS PROJECT
WALLACE ACRES SUBDIVISION
ASCENSION PARISH

Title:
PROPOSED LAYOUT
SOUTH DITCH
STA. 20+00 to STA. 27+00

Description:
LOCATED IN
SECTION 4, TOWNSHIP 9 SOUTH, RANGE 3 EAST,
SOUTHEASTERN LAND DISTRICT EAST OF MISSISSIPPI RIVER,
ASCENSION PARISH, LOUISIANA

DWG Path: P:\~2017 Projects\17-247 Wallace Acres Drainage Project\Drawings\Engineering\Plans\Current\17247_38_PW (South Ditch).dwg

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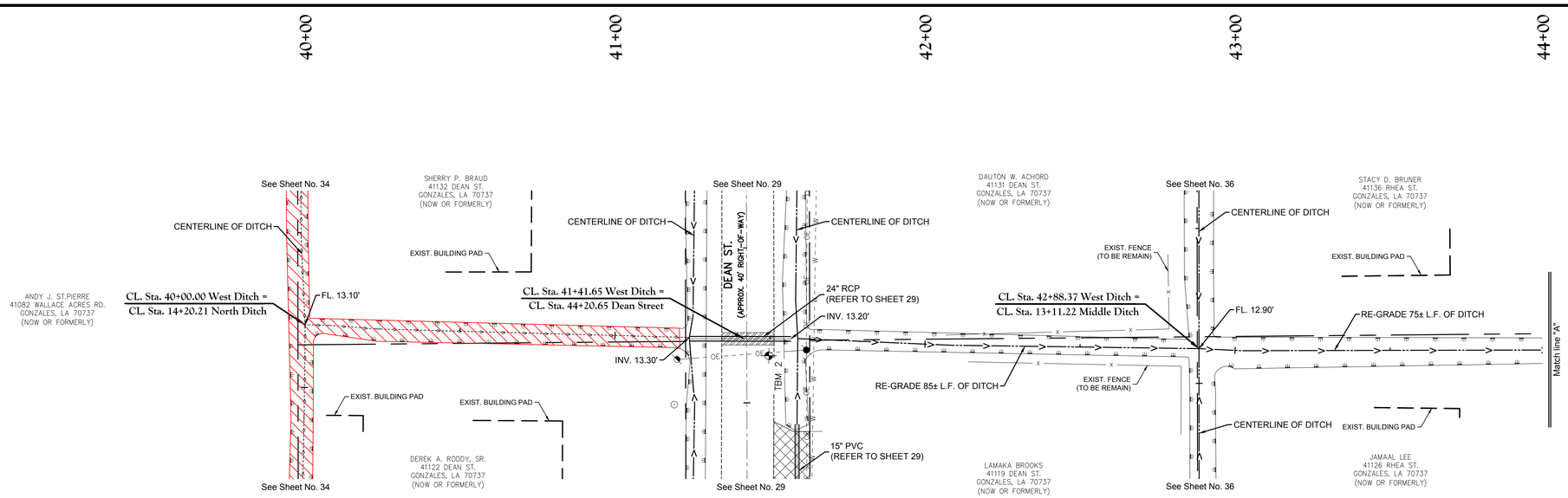
WILLIAM H. HUBER
License No. 29357
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
6/19/19

Drawn By: EVK
Date: FEBRUARY 2019
Project No.: 17-247
Sheet: 39 OF 53



UTILITY NOTE:

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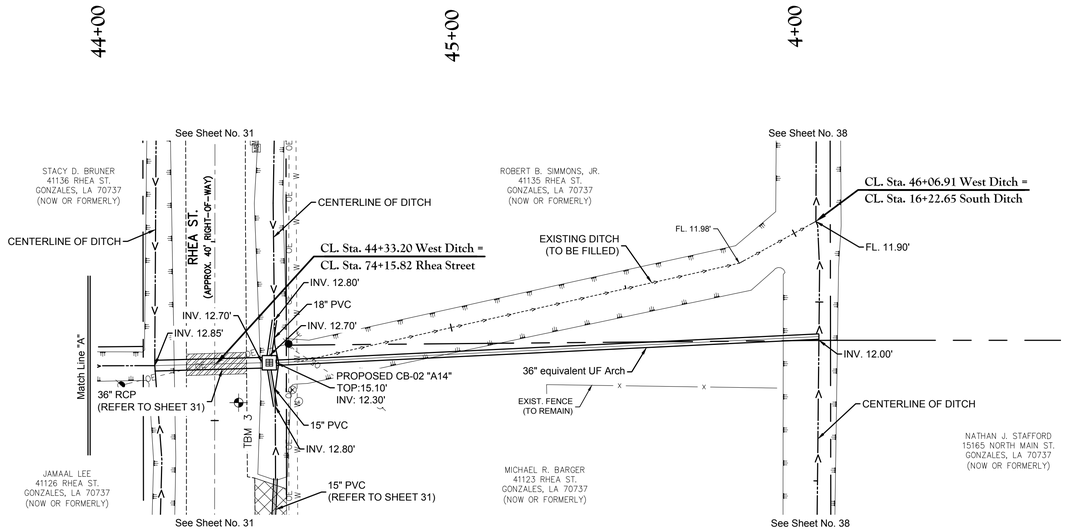
LA One Call™ 1-800-272-3020



LEGEND:

- EXIST. OVERHEAD ELECTRIC LINE
- EXIST. GRATE INLET
- EXIST. SANITARY SEWER CLEAN OUT
- EXIST. POWER POLE
- EXIST. UTILITY POLE
- EXIST. GUY WIRE
- EXIST. TELEPHONE PEDESTAL
- EXIST. FIRE HYDRANT

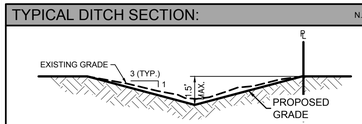
LEGEND:

- EXIST. WATER METER
- EXIST. WATER VALVE
- EXIST. GAS METER
- EXIST. MAIL BOX
- EXIST. TRAFFIC SIGN
- EXIST. FENCE
- EXIST. DITCH CENTERLINE

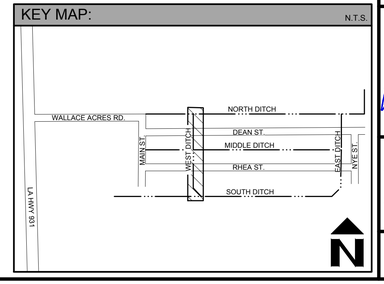
HATCHING LEGEND

- PROPOSED AGGREGATE DRIVEWAY REPLACEMENT
- PROPOSED CONCRETE DRIVEWAY REPLACEMENT
- PROPOSED ASPHALT ROADWAY REPLACEMENT
- TO BE LEFT UNTOUCHED

TYPICAL DITCH SECTION: N.T.S.



KEY MAP: N.T.S.



Client: ASCENSION PARISH
DEPARTMENT OF PUBLIC WORKS
42077 CHURCHPOINT RD.
GONZALES, LA 70737

Project: WALLACE ACRES SUBDIVISION
DRAINAGE IMPROVEMENTS PROJECT
WALLACE ACRES SUBDIVISION
ASCENSION PARISH

Title: PROPOSED LAYOUT WEST DITCH
STA. 40+00 to STA. 46+06.91

Description: LOCATED IN
SECTION 4, TOWNSHIP 9 SOUTH, RANGE 3 EAST,
SOUTHEASTERN LAND DISTRICT EAST OF MISSISSIPPI RIVER,
ASCENSION PARISH, LOUISIANA

DWG Path: P:\-2017 Projects\17-247 Wallace Acres Drainage Project\Engineering\Plans\Current\17247_40_PA (West Ditch).dwg

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18320 Hwy 42 Port Vincent, LA 70726
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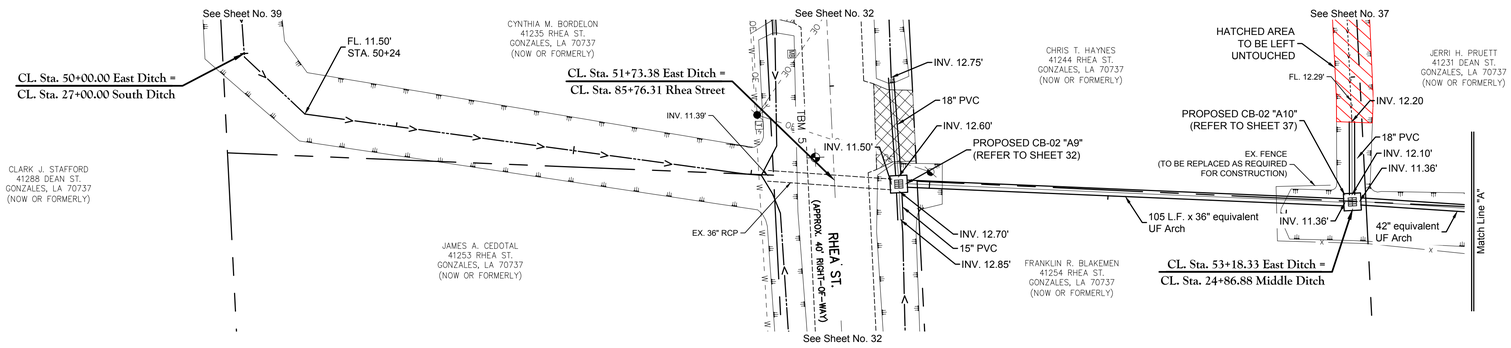
Stamp: STATE OF LOUISIANA
WILLIAM H. PLUSER
License No. 29357
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
6/19

Drawn By: EVK
Date: FEBRUARY 2019
Project No.: 17-247
Sheet: 40 OF 53



UTILITY NOTE:

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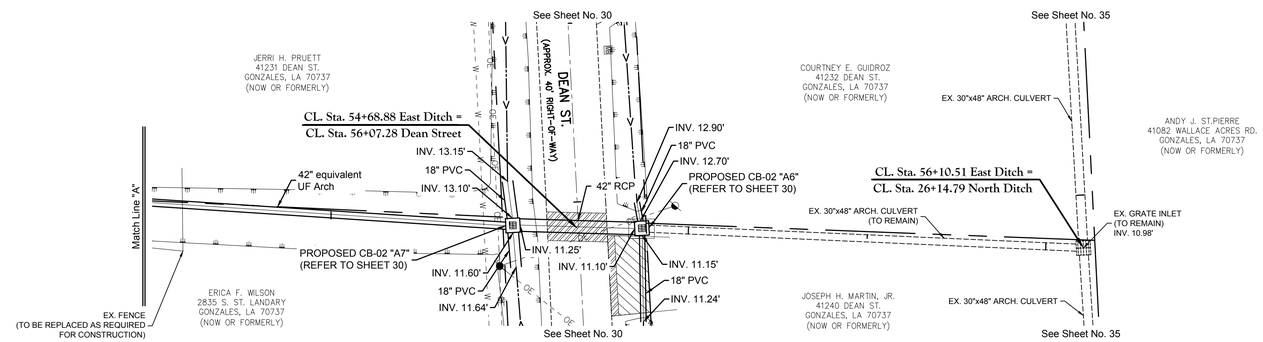
LA One Call™ 1-800-272-3020



LEGEND:

- EXIST. OVERHEAD ELECTRIC LINE
- EXIST. GRATE INLET
- EXIST. SANITARY SEWER CLEAN OUT
- EXIST. POWER POLE
- EXIST. UTILITY POLE
- EXIST. GUY WIRE
- EXIST. TELEPHONE PEDESTAL
- EXIST. FIRE HYDRANT

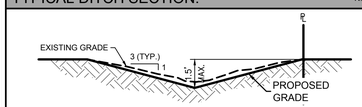
LEGEND:

- EXIST. WATER METER
- EXIST. WATER VALVE
- EXIST. GAS METER
- EXIST. MAIL BOX
- EXIST. TRAFFIC SIGN
- EXIST. FENCE
- EXIST. DITCH CENTERLINE

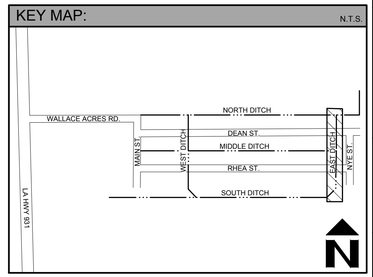
HATCHING LEGEND

- PROPOSED AGGREGATE DRIVEWAY REPLACEMENT
- PROPOSED CONCRETE DRIVEWAY REPLACEMENT
- PROPOSED ASPHALT ROADWAY REPLACEMENT
- TO BE LEFT UNTOUCHED

TYPICAL DITCH SECTION: N.T.S.



KEY MAP: N.T.S.



Client:
ASCENSION PARISH
DEPARTMENT OF PUBLIC WORKS
42077 CHURCHPOINT RD.
GONZALES, LA 70737

Project:
WALLACE ACRES SUBDIVISION
DRAINAGE IMPROVEMENTS PROJECT
WALLACE ACRES SUBDIVISION
ASCENSION PARISH

Title:
PROPOSED LAYOUT EAST DITCH
STA. 50+00 to STA. 56+10.51

Description:
LOCATED IN
SECTION 4, TOWNSHIP 9 SOUTH, RANGE 3 EAST,
SOUTHEASTERN LAND DISTRICT EAST OF MISSISSIPPI RIVER,
ASCENSION PARISH, LOUISIANA

DWG Path: P:\~2017 Projects\17-247 Wallace Acres Drainage Project\Engineering\Plans\Current\17247_41_PN (East Ditch).dwg

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WILLIAM H. PRUESER
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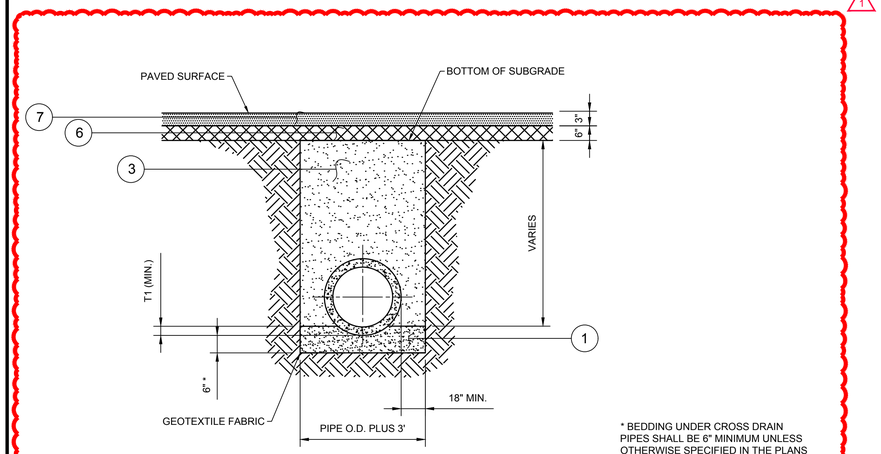
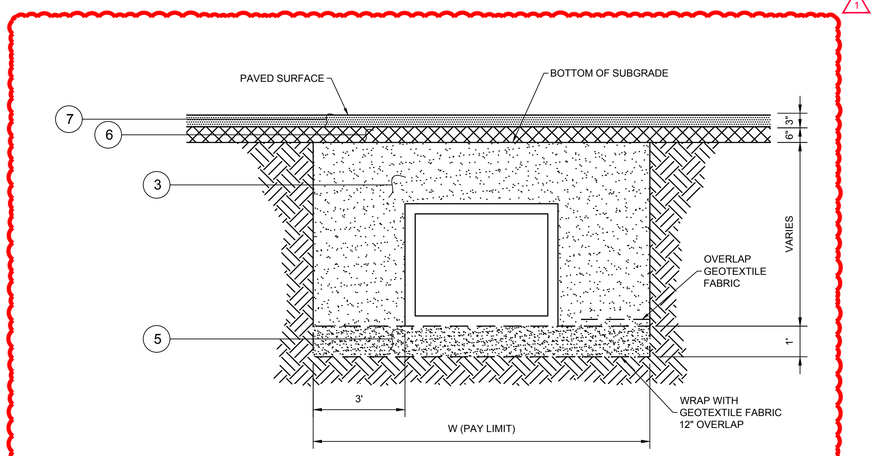
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
6/19/19

Drawn By: EVK
Date: FEBRUARY 2019
Project No.: 17-247
Sheet: 41 OF 53

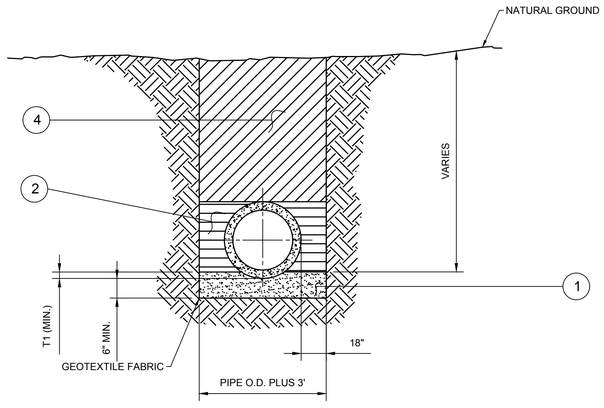


* BEDDING UNDER CROSS DRAIN PIPES SHALL BE 6" MINIMUM UNLESS OTHERWISE SPECIFIED IN THE PLANS OR AUTHORIZED BY THE PARISH.

PIPE UNDER OR WITHIN 5 FEET OF STREETS AND PAVED SURFACES.

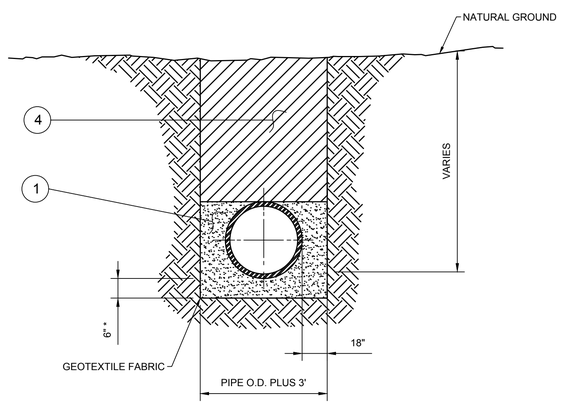


TYPICAL BEDDING DETAIL FOR REINFORCED CONCRETE BOX CULVERT
NOT TO SCALE



OPEN GROUND OUTSIDE LIMITS OF STREETS AND PAVED SURFACES

RIGD PIPE
REINFORCED CONCRETE
NOT TO SCALE



OPEN GROUND OUTSIDE LIMITS OF STREETS AND PAVED SURFACES

FLEXIBLE PIPE
CORRUGATED METAL, POLYVINYL, AND POLYETHYLENE
NOT TO SCALE

GENERAL NOTE:

ALL MATERIAL AND WORK SHALL CONFORM TO THE LATEST EDITION OF THE JUNE 2017 ASCENSION PARISH SUBDIVISION CONSTRUCTION SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTIONS.

PIPE BEDDING SCH.:	
PIPE SIZE	T1 (MIN.)
12" - 30"	6"
36" - 60"	12"
66" - 96"	18"

1

LEGEND:

1. BEDDING MATERIAL COMPACTED TO THE SATISFACTION OF THE PARISH (95% STANDARD PROCTOR DENSITY).
2. BACKFILL MATERIAL (QUALITY EXCAVATED OR SELECT MATERIAL OR SAND). COMPACTED TO A DENSITY AT LEAST EQUAL TO SURROUNDING UNDISTURBED SOIL (NO DIRECT PAY).
3. BACKFILL MATERIAL (USABLE SOIL AS PER LADOTD STANDARD SPECIFICATIONS FOR ROAD AND BRIDGES, SECTION 203), COMPACTED TO 95% STANDARD PROCTOR DENSITY (NO DIRECT PAY).
4. BACKFILL MATERIAL (QUALITY EXCAVATED OR SELECT MATERIAL). COMPACTED TO A DENSITY AT LEAST EQUAL TO THE SURROUNDING UNDISTURBED SOIL (NO DIRECT PAY).
5. 67 LIMESTONE WITH GEOTEXTILE FABRIC.
6. 6" LAYER OF ASPHALTIC CONCRETE BASE COURSE AS PER LADOTD STANDARD SPECIFICATIONS FOR ROAD AND BRIDGES, SECTION 502 FOLLOWED BY MATERIAL.
7. 3" SUPERPAVE ASPHALTIC CONCRETE WEARING COURSE (PG 30 ASPHALT LIQUID WILL BE ALLOWED).

Client:
ASCENSION PARISH
DEPARTMENT OF PUBLIC WORKS
42077 CHURCHPOINT RD.
GONZALES, LA 70737

Project:
WALLACE ACRES SUBDIVISION
DRAINAGE IMPROVEMENTS PROJECT
WALLACE ACRES SUBDIVISION
ASCENSION PARISH

Title:
STANDARD PLANS - STANDARD BEDDING AND BACKFILL DETAILS

Description:
LOCATED IN
SECTION 4, TOWNSHIP 9 SOUTH, RANGE 3 EAST
SOUTHEASTERN LAND DISTRICT EAST OF MISSISSIPPI RIVER.
ASCENSION PARISH, LOUISIANA

DWG Path: P:\-2017 Projects\17-247 Wallace Acres Drainage Project\Drawings\Engineering\Plans\Current\17247_100_SP (701-40).dwg

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Stamp:
STATE OF LOUISIANA
DERIC J. MURPHY
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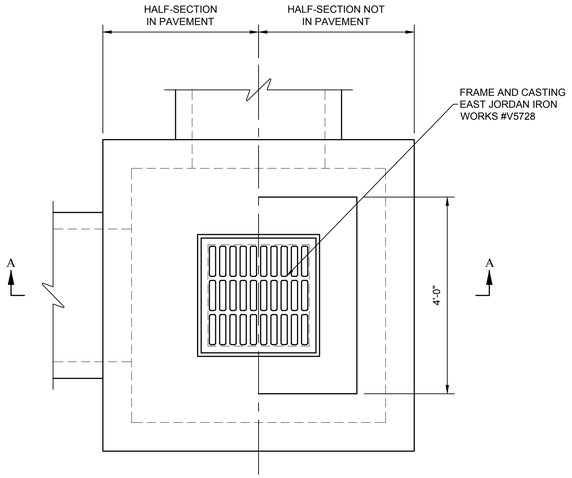
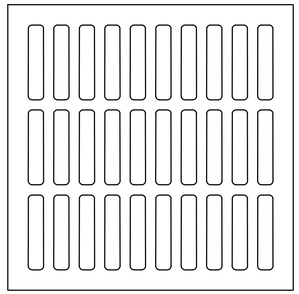
PROFESSIONAL ENGINEER
CIVIL ENGINEERING
5/26/18

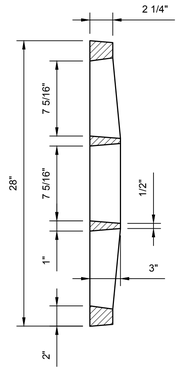
Drawn By: EVK
Date: FEBRUARY 2019
Project No.: 17-247
Sheet: 100 OF 53



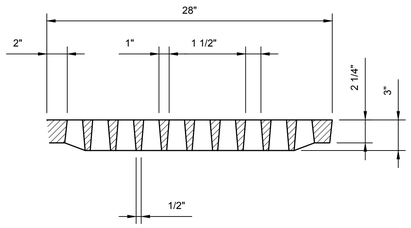
PLAN VIEW
TYPE 3
NOT TO SCALE



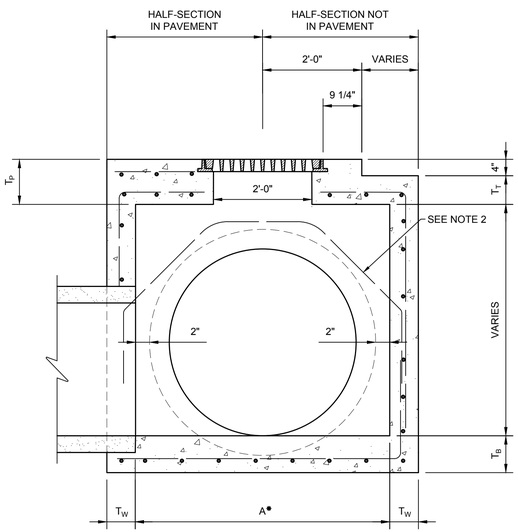
TOP VIEW
GRATE "TYPE 3"
NOT TO SCALE



SECTION VIEW
GRATE "TYPE 3"
NOT TO SCALE



SECTION VIEW
GRATE "TYPE 3"
NOT TO SCALE



SECTION A-A
TYPE 3
NOT TO SCALE

* INCREASE AS REQUIRED TO PROVIDE MINIMUM TOP WIDTH OF 4' SQUARE

NOTES:

1. PRECAST CONCRETE STRUCTURES CONFORMING TO SHEET 103 MAY BE FURNISHED.
2. DIAGONAL REINFORCEMENT REQUIRED FOR PIPE LARGER THAN 36". BARS SHALL LAP TO A FULL LENGTH VERTICAL BAR WITH 18d LAP LENGTH.
3. DIMENSION A MAY BE VARIED FOR SKEWED PIPE.
4. SEE SHEET 102 FOR THICKNESS, REINFORCING STEEL, AND OTHER STRUCTURAL DETAILS.
5. DIAGONAL REINFORCEMENT REQUIRED. USE SAME REBAR SIZE AS TOP REINFORCING, PLACE AS BOTTOM STEEL IF LOCATION IN PAVEMENT.

TABLE:

PIPE SIZE		DIMENSIONS
ROUND PIPE	ARCH PIPE (ROUND EQUIV.)	A*
15"	-	2'-10"
18"	15"	2'-10"
24"	18"	2'-10"
30"	24"	3'-5"
36"	30"	4'-0"
42"	36"	4'-8"
48"	-	5'-2"
54"	42"	5'-9"
60"	48"	6'-4"
-	54"	6'-8"
72"	60"	7'-6"
84"	72"	8'-10"

Client:
ASCENSION PARISH
DEPARTMENT OF PUBLIC WORKS
42077 CHURCHPOINT RD.
GONZALES, LA 70737

Project:
WALLACE ACRES SUBDIVISION
DRAINAGE IMPROVEMENTS PROJECT
WALLACE ACRES SUBDIVISION
ASCENSION PARISH

Title:
STANDARD PLANS - CAST IRON GRATE INLET AND JUNCTION BOX

Description:
LOCATED IN
SECTION 4, TOWNSHIP 9 SOUTH, RANGE 3 EAST,
SOUTHEASTERN LAND DISTRICT EAST OF MISSISSIPPI RIVER,
ASCENSION PARISH, LOUISIANA

DWG Path: P:\~2017 Projects\17-247 Wallace Acres Drainage Project\Drawings\Engineering\Plans\Cornell\17247_101_SP (702 - 20).dwg

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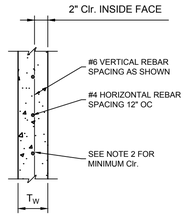
Drawn By: EVK
Date: FEBRUARY 2019
Project No.: 17-247
Sheet: 101 OF 53

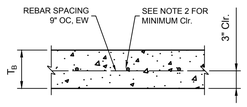


STANDARD WALL DETAIL
NOT TO SCALE

WALL DIMENSIONS:		
WALL HEIGHT (FT.)	"T_W" WALL THICKNESS (IN.)	VERT. REBAR SPACING (IN.)
0' - 4'	4.0"	12"
4' - 8'	5.0"	12"
8' - 10'	6.0"	9"
10' - 12'	6.0"	6"
12' - 16'	7.0"	4.5"
16' - 20'	7.5"	4.5"

PAVEMENT SLAB DIMENSIONS:				
"A" INSIDE LENGTH (FT.)	"B" INSIDE WIDTH (FT.)	"T_P" SLAB THICKNESS (IN.)	* REBAR REQ'D	INTERMEDIATE SUPPORT BEAM REQ'D (Y OR N)
≤10'	≤ 4'	7.0"	#5	N
≤10'	4' - 6'	8.0"	#5	N
≤10'	6' - 8'	10.0"	#6	N
6' - 8'	6' - 8'	7.0"	#5	Y
8' - 10'	6' - 10'	8.0"	#5	Y

* AS SHOWN OC, EW, TB



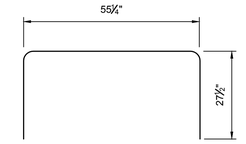
BOTTOM SLAB DETAIL
NOT TO SCALE

BOTTOM SLAB DIMENSIONS:			
"T_B" SLAB THICKNESS (IN.)	"A" OR "B" MAX. WIDTH OF OPENING INSIDE STRUCTURE (FT.)	MAX. DEPTH STRUCTURE (FT.)	REBAR REQ'D
6.0"	4'	8'	#4
7.0"	6'	12'	#5
8.0"	8'	16'	#5
9.0"	10'	20'	#6

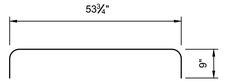
BOTTOM SLAB THICKNESS TO MEET MINIMUM CRITERIA SHOWN FOR OPENING WIDTH AND STRUCTURE DEPTH.

REBAR MIN. LAP AND DEVELOPMENT LENGTHS		
REBAR SIZE	LAP LENGTH (IN.)	DEVELOPMENT LENGTH (IN.)
#4	16"	12"
#5	20"	16"
#6	24"	19"

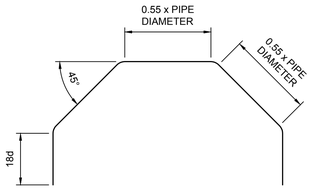
SHOP DRAWINGS DETAILING REQ'D TO PROVIDE MINIMUM LENGTHS OR ELSE USE STANDARD HOOKS



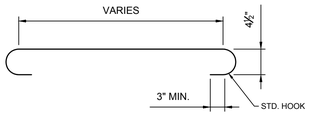
#5 BAR A
2 REQ'D PRE FRAME
NOT TO SCALE



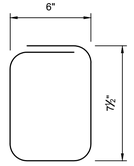
#5 BAR B
1 REQ'D PRE FRAME
NOT TO SCALE



#5 BAR C
1 REQ'D PER PIPE ENTRANCE ≥ 36" Ø
NOT TO SCALE



#5 BAR D
2 REQ'D PER EACH INTERMEDIATE BEAM
NOT TO SCALE



#3 BAR J
REQ'D STIRRUPS @ 4" OC
NOT TO SCALE

ABBREVIATIONS

OC - ON CENTER
EW - EACH WAY
TB - TOP AND BOTTOM

NOTES:

1. ALL REINFORCING STEEL TO BE DEFORMED GRADE 60 MINIMUM REBAR. STEEL BAR SIZE & SPACING MAY BE ADJUSTED AS LONG AS AREA OF STEEL IS MAINTAINED PER FOOT.
2. MINIMUM CONCRETE COVER FOR REBAR STEEL IS TO BE 3" FOR CONCRETE FACES CAST AGAINST EARTH, 2.5" FOR FACES PERMANENTLY EXPOSED TO EARTH AND 2" FOR ALL OTHERS.
3. CONCRETE COMPRESSIVE STRENGTH FOR CAST-IN-PLACE STRUCTURES TO BE 4000 PSI AT 28 DAYS MINIMUM.
4. SEE SHEET 101 FOR FRAME AND COVERS DETAILS.
5. SLABS MAY BE PRECAST AND DOWELED INTO WALL SECTIONS. (SEE 102)

A = LENGTH INSIDE OPENING MEASURED PARALLEL TO CURB
B = WIDTH INSIDE OPENING MEASURED PARALLEL TO CURB

TOP SLAB DIMENSIONS:			
"A" INSIDE LENGTH (FT.)	"B" INSIDE WIDTH (FT.)	"T_T" SLAB THICKNESS (IN.)	* REBAR REQ'D
≤ 4'	≤ 4'	6.0"	#4
4' - 6'	4' - 6'	6.0"	#5
6' - 8'	6' - 8'	6.0"	#6
8' - 20'	8' - 10'	7.0"	#6

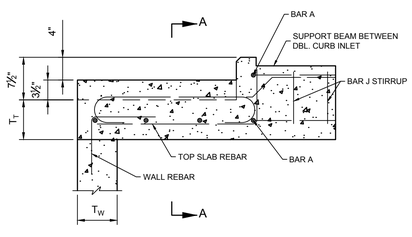
* 9" OC, EW, SET 2" CLR. FROM SLAB BOTTOM.

MIDDLE SLAB UNDER PAVEMENT DIMENSIONS:			
"A" INSIDE LENGTH (FT.)	"B" INSIDE WIDTH (FT.)	"T_{MP}" SLAB THICKNESS (IN.)	* REBAR REQ'D
≤ 20'	≤ 4'	7.0"	#4
≤ 20'	4' - 6'	7.0"	#5
≤ 20'	6' - 8'	8.5"	#6
≤ 20'	8' - 10'	10.0"	#6

* 9" OC, EW, SET 2" CLR. FROM SLAB BOTTOM.

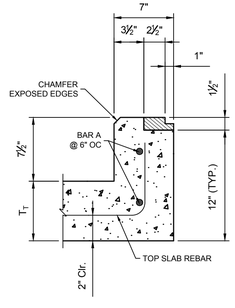
MIDDLE SLAB OUTSIDE PAVEMENT DIMENSIONS:			
"A" INSIDE LENGTH (FT.)	"B" INSIDE WIDTH (FT.)	"T_M" SLAB THICKNESS (IN.)	* REBAR REQ'D
≤ 20'	≤ 4'	7.0"	#4
≤ 20'	4' - 6'	7.0"	#5
≤ 20'	6' - 8'	7.0"	#6
≤ 20'	8' - 10'	8.0"	#6

* 9" OC, EW, SET 2" CLR. FROM SLAB BOTTOM.

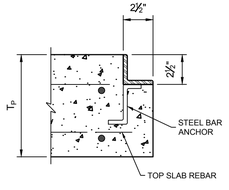


TOP SLAB
TOP SLAB INTERMEDIATE SUPPORT BEAM FOR DOUBLE CURB INLET
NOT TO SCALE

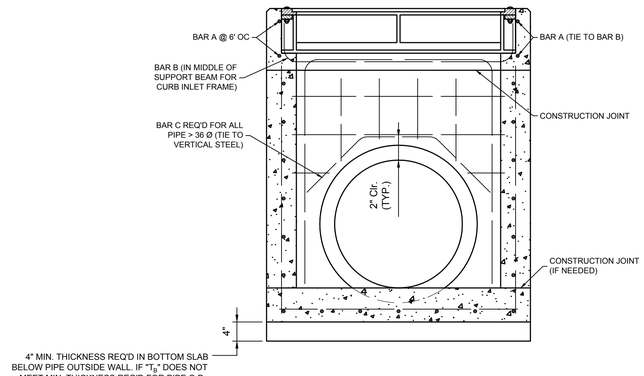
LEDGE WIDTH MAY BE EXTENDED TO MAXIMUM WIDTH OF 1'-2" FOR SMALLER PIPE STRUCTURES TO SIMPLIFY CONSTRUCTION FRAMING OF TOP SLAB.



TYPE 1 FRAME SUPPORT DETAIL
NOT TO SCALE

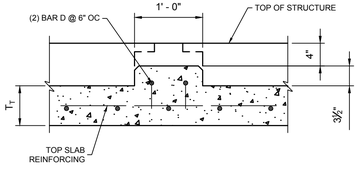


TYPE 2 FRAME IN PAVEMENT SUPPORT DETAIL
NOT TO SCALE

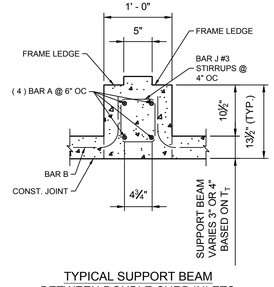


4" MIN. THICKNESS REQ'D IN BOTTOM SLAB BELOW PIPE OUTSIDE WALL. IF "T_B" DOES NOT MEET MIN. THICKNESS REQ'D FOR PIPE O.D., PROVIDE THICKENED EDGE WITH MIN. WIDTH OF $2xT_W$. REINFORCE AS REQ'D. FOR BASE SLAB.

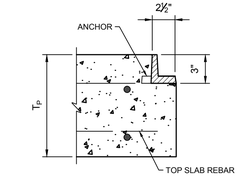
TYPICAL PIPE AND FRAME REINFORCEMENT
NOT TO SCALE



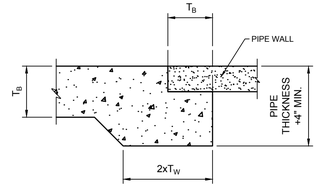
SECTION A-A
TOP SLAB INTERMEDIATE SUPPORT BEAM FOR DOUBLE CURB INLET
NOT TO SCALE



TYPICAL SUPPORT BEAM BETWEEN DOUBLE CURB INLETS
NOT TO SCALE



TYPE 3 FRAME IN PAVEMENT SUPPORT DETAIL
NOT TO SCALE



THICKNESS EDGE FOR PIPE SUPPORT
NOT TO SCALE

Client:
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DEPARTMENT OF PUBLIC WORKS
42077 CHURCHPOINT RD.
GONZALES, LA 70737

Project:
WALLACE ACRES SUBDIVISION
DRAINAGE IMPROVEMENTS PROJECT
WALLACE ACRES SUBDIVISION
ASCENSION PARISH

Title:
STANDARD PLANS -
CAST-IN-PLACE DRAINAGE STRUCTURE

Description:
LOCATED IN
SECTION 4, TOWNSHIP 9 SOUTH, RANGE 3 EAST,
SOUTHEASTERN LAND DISTRICT EAST OF MISSISSIPPI RIVER,
ASCENSION PARISH, LOUISIANA

DWG Path: P:\~2017 Projects\17-247 Wallace Acres Drainage Project\Drawings\Engineering\Plans\Current\17247_102_SP (702-96).dwg

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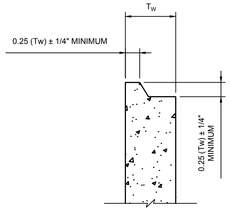
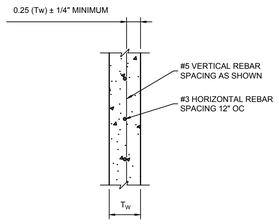
Sheet: 102 OF 53

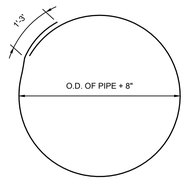


JOINT DETAIL
NOT TO SCALE

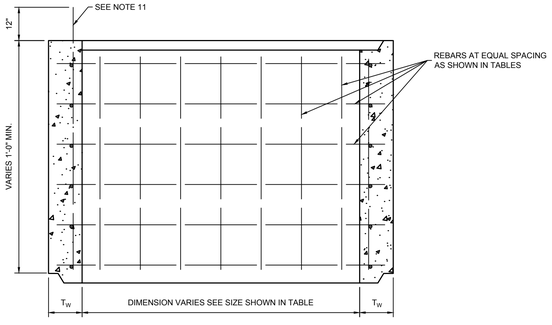


STANDARD PRECAST WALL DETAIL
NOT TO SCALE

BOTTOM SLAB DETAIL
NOT TO SCALE



#4 HOOP
NOT TO SCALE



OPTIONAL RISER UNIT
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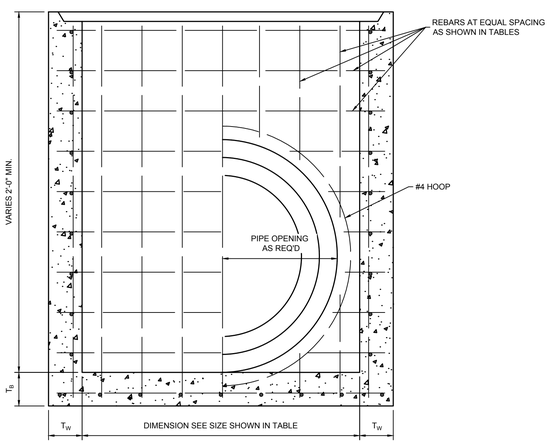

BASE UNIT
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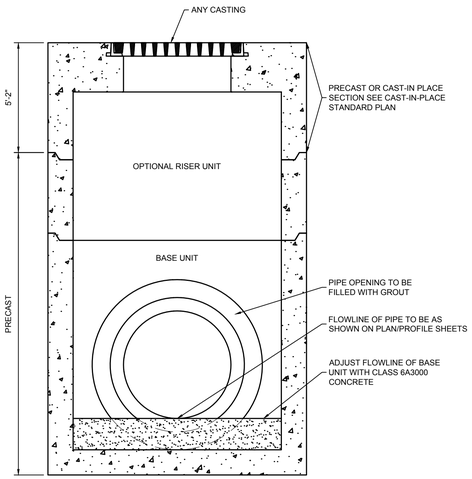

TYPICAL COMPOSITE STRUCTURE
NOT TO SCALE

PRECAST WALL DIMENSIONS:

WALL HEIGHT (FT.)	"T_W" WALL THICKNESS (IN.)	VERT. REBAR SPACING (IN.)
0' - 4'	4.0"	12"
4' - 6'	5.0"	12"
8' - 10'	6.0"	9"
10' - 12'	6.0"	6"
12' - 16'	7.0"	4.5"
16' - 20'	7.5"	4.5"

PRECAST BOTTOM SLAB DIMENSIONS:

"T_b" SLAB THICKNESS (IN.)	"A" OR "B" MAX. WIDTH OF OPENING INSIDE STRUCTURE (FT.)	MAX. DEPTH STRUCTURE (FT.)	* REBAR REQ'D	* REBAR SPACING
4.0"	4'	4'	#4	12"
5.0"	6'	8'	#5	12"
6.0"	8'	12'	#5	12"
7.0"	8'	16'	#5	12"
7.5"	10'	20'	#5	6"

BOTTOM SLAB THICKNESS TO MEET MINIMUM CRITERIA SHOWN FOR OPENING WIDTH AND STRUCTURE DEPTH.

PRECAST TOP SLAB DIMENSIONS:

"A" INSIDE LENGTH (FT.)	"B" INSIDE WIDTH (FT.)	"T_t" SLAB THICKNESS (IN.)	* REBAR REQ'D	* REBAR SPACING
LESS THAN OR EQUAL TO 4'	LESS THAN OR EQUAL TO 4'	4.0"	#4	12"
4' - 6'	4' - 6'	4.0"	#5	12"
6' - 8'	6' - 8'	5.0"	#5	8"
8' - 20'	8' - 20'	5.0"	#5	6"

* AS SHOWN OC, EW, SET 1-1/4" CLR. FROM SLAB BOTTOM.

PRECAST BOTTOM SLAB DIMENSIONS:

INTERMEDIATE SUPPORT BEAM REQ'D (Y OR N)	"A" INSIDE LENGTH (FT.)	"B" INSIDE WIDTH (FT.)	"T_t" SLAB THICKNESS (IN.)	* REBAR REQ'D	* REBAR SPACING
N	LESS THAN OR EQUAL TO 10'	LESS THAN OR EQUAL TO 4'	6.0"	#5	12"
N	LESS THAN OR EQUAL TO 10'	4' - 6'	7.0"	#5	12"
N	LESS THAN OR EQUAL TO 10'	6' - 8'	9.0"	#5	8"
Y	6' - 10'	6' - 10'	6.0"	#5	12"

BOTTOM SLAB THICKNESS TO MEET MINIMUM CRITERIA SHOWN FOR OPENING WIDTH AND STRUCTURE DEPTH.

PRECAST MIDDLE SLAB UNDER PAVEMENT DIMENSIONS:

"A" INSIDE LENGTH (FT.)	"B" INSIDE WIDTH (FT.)	"T_{MP}" SLAB THICKNESS (IN.)	* REBAR REQ'D	* REBAR SPACING
LESS THAN OR EQUAL TO 4'	LESS THAN OR EQUAL TO 4'	5.0"	#4	12"
4' - 6'	4' - 6'	6.0"	#5	12"
6' - 8'	6' - 8'	7.0"	#5	8"
8' - 20'	8' - 20'	8.5"	#5	6"

* AS SHOWN OC, EW, SET 1-1/4" CLR. FROM SLAB BOTTOM.

PRECAST MIDDLE SLAB OUTSIDE PAVEMENT DIMENSIONS:

"A" INSIDE LENGTH (FT.)	"B" INSIDE WIDTH (FT.)	"T_M" SLAB THICKNESS (IN.)	* REBAR REQ'D	* REBAR SPACING
LESS THAN OR EQUAL TO 4'	LESS THAN OR EQUAL TO 4'	5.0"	#4	12"
4' - 6'	4' - 6'	5.0"	#5	12"
6' - 8'	6' - 8'	6.0"	#5	8"
8' - 20'	8' - 20'	6.5"	#5	6"

* AS SHOWN OC, EW, SET 1-1/4" CLR. FROM SLAB BOTTOM.

NOTES:

1. THESE PRECAST UNITS ARE INTENDED TO BE USED AS THE LOWER PORTION OF A COMPOSITE STRUCTURE. STRUCTURAL AND FINISHING DETAILS ARE SHOWN ON OTHER STANDARD PLANS FOR STRUCTURE TYPES.
2. ALL REINFORCING STEEL TO BE DEFORMED GRADE 60 MINIMUM REBAR. STEEL BAR SIZE AND SPACING MAY BE ADJUSTED AS LONG AS AREA OF STEEL IS MAINTAINED PER FOOT IN ACCORDANCE WITH ASTM C913-08.
3. MINIMUM CONCRETE COVER FOR REBAR STEEL IS TO BE 1" FOR PRECAST CONCRETE WALLS AND 1-1/4" FOR OTHER PRECAST MEMBERS.
4. CONCRETE COMPRESSIVE STRENGTH FOR PRECAST STRUCTURES TO BE 5000 PSI AT 28 DAYS MINIMUM. CONCRETE SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI BEFORE SHIPPING UNITS.
5. SEE SHEET 101 FOR FRAME AND COVER DETAILS.
6. SEE SHEET 103 FOR CAST-IN-PLACE STRUCTURAL DETAILS.
7. PIPE OPENINGS TO BE FORMED ONLY WHEN REQUIRED.
8. PIPE OPENING TO BE O.D. OF PIPE + 4"± 1/2".
9. ALL PIPE ENDS TO BE SET FLUSH WITH INTERIOR WALL FACE. PIPE ANNULAR SPACE IS TO BE GROUT AS REQUIRED TO CREATE INVERTS.
10. JOINTS BETWEEN CAST-IN-PLACE SECTIONS AND OR PRECAST UNITS TO BE SEALED WITH FLEXIBLE PLASTIC GASKET MATERIAL AND WRAPPED WITH A 12" WIDTH OF GEOTEXTILE FABRIC.
11. JOINTS BETWEEN CAST-IN-PLACE SECTIONS AND OR PRECAST UNITS TO BE TONGUE AND GROOVE AND SEALED WITH TYPE II GARDE A EPOXY OR FLAT JOINT WITH MINIMUM OF 12" OF No. 4 BARS AT 18" CTRS. (MAX.)
12. PRECAST CONCRETE INLETS CONFORMING TO STANDARD PLANS MAY BE FURNISHED. LEDGE WIDTH MAY BE REDUCED BY 1" AROUND INLET FRAMES TO 2-1.2". SUPPORT BEAM BETWEEN DOUBLE RETICULATE GRATE INLETS MAY BE REDUCED BY 2" DEPTH TO FORM 10"x10" BEAM.
13. PRECAST UNITS SHALL CONFORM TO ASCENSION PARISH STANDARD SPECIFICATIONS.
14. ALL PRECAST UNITS TO BE EQUIPPED WITH AT LEAST 2 COMMERCIALLY MANUFACTURED EMBEDDED INSERTS RATED FOR THE STRUCTURE'S LIFT LOAD IN COMPLIANCE WITH APPLICABLE ANSI AND OSHA STANDARDS (MINIMUM SAFETY FACTOR 4'). EMBEDDED INSERTS TO CONSTRUCTED OF GALVANIZED STEEL OR CORROSION RESISTANT MATERIALS AND INSTALLED BY PRECAST MANUFACTURER IN ACCORDANCE WITH SUPPLIERS INSTRUCTIONS. NO LIFT INSERTS SHALL REMAIN EXPOSED ON VISIBLE SURFACES AFTER THE STRUCTURE IS INSTALLED. NO LIFTING WITH CHAINS WRAPPED AROUND STRUCTURE IS PERMITTED.
15. PRECASTERS ARE REQUIRED TO BE NPCA CERTIFIED.
16. INSTALLATION OF PRECAST STRUCTURES ARE TO BE PER MANUFACTURER'S INSTRUCTIONS. ANY MODIFICATIONS TO STRUCTURES IN FIELD SHALL REQUIRE PRECASTER'S WRITTEN APPROVAL.
17. MINIMUM THICKNESS OF STRUCTURAL ELEMENTS OF STRUCTURAL ELEMENTS INSTALLED IN OR UNDER PAVEMENT SHALL BE 6".

Client:
ASCENSION PARISH
DEPARTMENT OF PUBLIC WORKS
42077 CHURCHPOINT RD.
GONZALES, LA 70737

Project:
WALLACE ACRES SUBDIVISION
DRAINAGE IMPROVEMENTS PROJECT
WALLACE ACRES SUBDIVISION
ASCENSION PARISH

STANDARD PLANS - PRECAST DRAINAGE STRUCTURE

LOCATED IN
SECTION 4, TOWNSHIP 9 SOUTH, RANGE 3 EAST,
SOUTHEASTERN LAND DISTRICT EAST OF MISSISSIPPI RIVER,
ASCENSION PARISH, LOUISIANA

Title:
Description:
DWG Path: P:\-2017 Projects\17-247 Wallace Acres Drainage Project\Drawings\Engineering\Plans\Current\17247_103_SP (702-97).dwg

QUALITY
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18320 Hwy 42 Port Vincent, LA 70726
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Stamp:
STATE OF LOUISIANA
DEREK J. MURPHY
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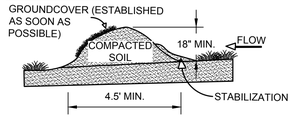
PROFESSIONAL ENGINEER
CIVIL ENGINEERING
8/26/18

Drawn By: EVK
Date: FEBRUARY 2019
Project No.: 17-247
Sheet: 103 OF 53

DIVERSION DIKE



DESCRIPTION:

A DIVERSION DIKE IS A COMPACTED SOIL MOUND WHICH REDIRECTS RUNOFF TO A DESIRED LOCATION. THE DIKE IS TYPICALLY STABILIZED WITH NATURAL GRASS FOR LOW VELOCITIES OR WITH STONE OR EROSION CONTROL MATS FOR HIGHER VELOCITIES.

PRIMARY USE:

THE DIVERSION DIKE IS NORMALLY USED TO INTERCEPT OFFSITE FLOW UPSTREAM OF THE CONSTRUCTION AREA AND DIRECT THE FLOW AROUND THE DISTURBED SOILS. IT CAN ALSO BE USED DOWNSTREAM OF THE CONSTRUCTION AREA TO DIRECT FLOW INTO A SEDIMENT REDUCTION DEVICE SUCH AS A SEDIMENT BASIN OR PROTECTED INLET. THE DIVERSION DIKE SERVES THE SAME PURPOSE AND, BASED ON THE TOPOGRAPHY OF THE SITE, CAN BE USED IN COMBINATION WITH THE INTERCEPTOR SWALE.

APPLICATIONS:

BY INTERCEPTING RUNOFF BEFORE IT HAS THE CHANCE TO CAUSE EROSION, DIVERSION DIKES ARE VERY EFFECTIVE IN REDUCING EROSION AT A REASONABLE COST. THEY ARE APPLICABLE TO A LARGE VARIETY OF PROJECTS INCLUDING SITE DEVELOPMENTS AND LINEAR PROJECTS SUCH AS ROADWAYS AND PIPELINE CONSTRUCTION. DIVERSION DIKES ARE NORMALLY USED AS PERIMETER CONTROLS FOR CONSTRUCTION SITES WITH LARGE AMOUNTS OF OFFSITE FLOW FROM THE NEIGHBORING PROPERTIES. USED IN COMBINATION WITH SWALES, THE DIVERSION DIKE CAN BE QUICKLY INSTALLED WITH A MINIMUM OF EQUIPMENT AND COST, USING THE SWALE EXCAVATION AS THE DIKE. NO SEDIMENT REMOVAL TECHNIQUE IS REQUIRED IF THE DIKE IS PROPERLY STABILIZED AND THE RUNOFF IS INTERCEPTED PRIOR TO CROSSING DISTURBED AREAS.

SIGNIFICANT SAVINGS IN STRUCTURAL CONTROLS CAN BE REALIZED BY USING DIVERSION DIKES TO DIRECT SHEET FLOW TO A CENTRAL AREA SUCH AS A SEDIMENT BASIN OR OTHER SEDIMENT REDUCTION STRUCTURE IF THE RUNOFF CROSSES DISTURBED AREAS.

DESIGN CRITERIA:

- THE MAXIMUM CONTRIBUTING DRAINAGE AREA SHOULD BE 10 ACRES OR
- MAXIMUM DEPTH OF FLOW AT THE DIKE SHALL BE 1 FOOT FOR 2 YEAR DESIGN STORM.
- THE MAXIMUM WIDTH OF THE FLOW AT THE DIKE SHALL BE 20 FEET,
- SIDE SLOPES OF THE DIVERSION DIKE SHALL BE 3:1 FEET OR FLATTER.
- MINIMUM WIDTH OF THE EMBANKMENT AT THE TOP SHALL BE 2 FEET.
- MINIMUM EMBANKMENT HEIGHT SHALL BE 18 INCHES AS MEASURED FROM THE TOE OF THE SLOPE ON THE UPGRADE SIDE OF THE BERM.
- FOR VELOCITIES LESS THAN 6 FEET PER SECOND, THE MINIMUM STABILIZATION FOR THE DIKE AND ADJACENT FLOW AREAS IS GRASS, EROSION CONTROL MATS, OR MULCH. FOR VELOCITIES GREATER THAN 6 FEET PER SECOND, STONE STABILIZATION OR HIGH VELOCITY EROSION CONTROL MATS SHOULD BE USED. VELOCITIES GREATER THAN 8 FEET PER SECOND MUST BE APPROVED BY THE LOCAL JURISDICTION.
- THE DIKES SHALL REMAIN IN PLACE UNTIL ALL DISTURBED AREAS WHICH ARE PROTECTED BY THE DIKE ARE PERMANENTLY STABILIZED UNLESS OTHER CONTROLS ARE PUT INTO PLACE TO PROTECT THE DISTURBED AREA.
- FLOW LINE AT DIKE SHALL HAVE A POSITIVE GRADE TO DRAIN TO A CONTROLLED OUTLET.

LIMITATIONS:

COMPACTED EARTH DIKES REQUIRE STABILIZATION IMMEDIATELY UPON PLACEMENT SO AS NOT TO CONTRIBUTE TO THE PROBLEM THEY ARE ADDRESSING.

THE DIVERSION DIKES CAN BE A HINDRANCE TO CONSTRUCTION EQUIPMENT MOVING ON THE SITE, THEREFORE THEIR LOCATIONS MUST BE CAREFULLY PLANNED PRIOR TO INSTALLATION.

MAINTENANCE REQUIREMENTS:

DIKES MUST BE INSPECTED ON A WEEKLY BASIS AND AFTER EACH SIGNIFICANT (> 0.5 INCH) RAINFALL TO DETERMINE IF SILT IS BUILDING UP BEHIND THE DIKE, OR IF EROSION IS OCCURRING ON THE FACE OF THE DIKE, SILT SHALL BE REMOVED IN A TIMELY MANNER. IF EROSION IS OCCURRING ON THE FACE OF THE DIKE, THE SLOPES OF THE FACE SHALL EITHER BE STABILIZED THROUGH MULCH OR SEEDING OR THE SLOPES OF THE FACE SHALL BE REDUCED.

APPLICATIONS

PERIMETER CONTROL

SLOPE PROTECTION

SEDIMENT TRAPPING

CHANNEL PROTECTION

TEMPORARY STABILIZATION

PERMANENT STABILIZATION

WASTE MANAGEMENT

HOUSEKEEPING PRACTICES

TARGETED CONSTITUENTS

- ● SEDIMENT
- ○ NUTRIENTS TOXIC MATERIALS
- ○ OIL & GREASE
- ◒ FLOATABLE MATERIALS
- ◒ OTHER CONSTRUCTION WASTERS

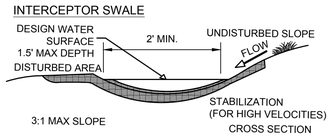
IMPLEMENTATION REQUIREMENTS

- ◒ CAPITOL COSTS
- ◒ MAINTENANCE
- ○ TRAINING
- ● SUITABILITY FOR SLOPES<5%

LEGEND

- ● SIGNIFICANT IMPACT
- ◒ MEDIUM IMPACT
- ○ LOW IMPACT
- ? UNKNOWN OR QUESTIONABLE IMPACT

INTERCEPTOR SWALE



DESCRIPTION:

AN INTERCEPTOR SWALE IS A SMALL V-SHAPED OR PARABOLIC CHANNEL WHICH COLLECTS RUNOFF AND DIRECTS IT TO A DESIRED LOCATION. IT CAN EITHER HAVE A NATURAL GRASS LINING OR DEPENDING ON THE SLOPE AND DESIGN VELOCITY, A PROTECTIVE LINING OR EROSION MATTING, STONE OR CONCRETE.

PRIMARY USE:

THE INTERCEPTOR SWALE CAN EITHER BE USED TO DIRECT SEDIMENT LADEN FLOW FROM DISTURBED AREAS INTO A CONTROLLED OUTLET OR TO DIRECT 'CLEAN' RUNOFF AROUND DISTURBED AREAS. SINCE THE SWALE IS EASY TO INSTALL DURING EARLY GRADING OPERATIONS, IT CAN SERVE AS THE FIRST LINE OF DEFENSE IN REDUCING RUNOFF ACROSS DISTURBED AREAS. AS A METHOD OF REDUCING RUNOFF ACROSS THE DISTURBED CONSTRUCTION AREA, IT REDUCES THE REQUIREMENTS OF STRUCTURAL MEASURES TO CAPTURE SEDIMENT FROM RUNOFF SINCE THE FLOW IS REDUCED. BY INTERCEPTING SEDIMENT LADEN FLOW DOWNSTREAM OF THE DISTURBED AREA, RUNOFF CAN BE DIRECTED INTO A SEDIMENT BASIN OR OTHER BMP FOR SEDIMENTATION AS OPPOSED TO LONG RUNS OF SILT FENCE, STRAW BALES OR OTHER FILTRATION METHOD.

BASED ON SITE TOPOGRAPHY, SWALES CAN BE EFFECTIVELY USED IN COMBINATION WITH DIVERSION DIKES.

APPLICATIONS:

COMMON APPLICATIONS FOR INTERCEPTOR SWALES INCLUDE ROADWAY PROJECTS, SITE DEVELOPMENT PROJECTS WITH SUBSTANTIAL OFFSITE FLOW IMPACTING THE SITE AND SITES WITH LARGE AREA(S) OF DISTURBANCE. IT CAN BE USED IN CONJUNCTION WITH DIVERSION DIKES TO INTERCEPT FLOWS. TEMPORARY SWALES CAN BE USED THROUGHOUT THE PROJECT TO DIRECT FLOWS AWAY FROM STAGING, STORAGE AND FUELING AREAS ALONG WITH SPECIFIC AREAS OF CONSTRUCTION. NOTE THAT RUNOFF WHICH CROSSES DISTURBED AREAS OR IS DIRECTED INTO UNSTABILIZED SWALES MUST BE ROUTED INTO A TREATMENT BMP SUCH AS A SEDIMENT BASIN.

GRASS LINED SWALES ARE AN EFFECTIVE PAVEMENT STABILIZATION TECHNIQUE. THE GRASS EFFECTIVELY FILTERS BOTH SEDIMENT AND OTHER POLLUTANTS WHILE REDUCING VELOCITY.

DESIGN CRITERIA:

- MAXIMUM DEPTH OF FLOW AT THE DIKE SHALL BE 1 FOOT FOR 2 YEAR DESIGN STORM PEAK FLOW. POSITIVE OVERFLOW MUST BE PROVIDED TO ACCOMMODATE LARGER STORMS.
- SIDE SLOPES OF THE SWALE SHALL BE 3:1 OF FLATTER.
- MINIMUM DESIGN CHANNEL FREEBOARDS SHALL BE 6 INCHES.
- THE MINIMUM REQUIRED CHANNEL STABILIZATION FOR GRADES LESS THAN 2 PERCENT AND VELOCITIES LESS THAN 6 FEET PER SECOND MAY BE GRASS, EROSION CONTROL MATS OR MULCHING. FOR GRADES IN EXCESS OF 2 PERCENT, OR VELOCITIES EXCEEDING 6 FEET PER SECOND, STABILIZATION IN THE FORM OF HIGH VELOCITY EROSION MATS, A THREE INCH LAYER OF CRUSHED STONE OR RIP RAP IS REQUIRED. VELOCITIES GREATER THAN 8 FEET PER SECOND WILL REQUIRE APPROVAL BY THE ENGINEER.
- CHECK DAMS CAN BE USED TO REDUCE VELOCITIES IN STEEP SWALES.
- INTERCEPTOR SWALES MUST BE DESIGNED FOR FLOW CAPACITY BASED ON MANNING'S EQUATION TO ENSURE A PROPER CHANNEL SECTION. ALTERNATE CHANNEL SECTIONS MAY BE USED WHEN PROPERLY DESIGNED AND ACCEPTED.
- CONSIDERATION MUST BE GIVEN TO THE POSSIBLE IMPACT THAT ANY SWALE MAY HAVE ON UPSTREAM OR DOWNSTREAM CONDITIONS.
- SWALES MUST MAINTAIN POSITIVE GRADE TO AN ACCEPTABLE OUTLET.

LIMITATIONS:

INTERCEPTOR SWALES MUST BE STABILIZED QUICKLY UPON EXCAVATION SO AS NOT TO CONTRIBUTE TO THE EROSION PROBLEM THEY ARE ADDRESSING.

SWALES MAY BE UNSUITABLE TO THE SITE CONDITIONS (TOO FLAT OR STEEP).

LIMITED FLOW CAPACITY FOR TEMPORARY SWALES. FOR PERMANENT SWALES, THE 1.5 FEET MAXIMUM DEPTH CAN BE INCREASED AS LONG.

MAINTENANCE REQUIREMENTS:

INSPECTION MUST BE MADE WEEKLY AND AFTER EACH SIGNIFICANT (0.5" OR GREATER) RAIN EVENT TO LOCATE AND REPAIR ANY DAMAGE TO THE CHANNEL OR TO CLEAR DEBRIS OR OTHER OBSTRUCTIONS SO AS NOT TO DIMINISH FLOW CAPACITY. DAMAGE FROM STORMS OR NORMAL CONSTRUCTION ACTIVITIES SUCH AS TIRE RUTS OR DISTURBANCE OF SWALE STABILIZATION SHALL BE REPAIRED AS SOON AS PRACTICAL.

APPLICATIONS

PERIMETER CONTROL

SLOPE PROTECTION

SEDIMENT TRAPPING

CHANNEL PROTECTION

TEMPORARY STABILIZATION

PERMANENT STABILIZATION

WASTE MANAGEMENT

HOUSEKEEPING PRACTICES

TARGETED CONSTITUENTS

- ● SEDIMENT
- ○ NUTRIENTS TOXIC MATERIALS
- ○ OIL & GREASE
- ◒ FLOATABLE MATERIALS
- ○ OTHER CONSTRUCTION WASTERS

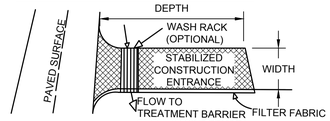
IMPLEMENTATION REQUIREMENTS

- ◒ CAPITOL COSTS
- ● MAINTENANCE
- ○ TRAINING
- ◒ SUITABILITY FOR SLOPES<5%

LEGEND

- ● SIGNIFICANT IMPACT
- ◒ MEDIUM IMPACT
- ○ LOW IMPACT
- ? UNKNOWN OR QUESTIONABLE IMPACT

STABILIZED CONSTRUCTION ENTRANCE



DESCRIPTION:

A SILT FENCE CONSISTS OF GEOTEXTILE FABRIC SUPPORTED BY POULTRY NETTING OR OTHER BACKING STRETCHED BETWEEN EITHER WOODEN OR METAL POSTS WITH THE LOWER EDGE OF THE FABRIC SECURELY EMBEDDED IN THE SOIL. THE FENCE IS TYPICALLY LOCATED DOWNSTREAM OF DISTURBED AREAS TO INTERCEPT RUNOFF IN THE FORM OF SHEET FLOW. SILT FENCE PROVIDES BOTH FILTRATION AND TIME FOR SEDIMENTATION TO REDUCE SEDIMENT AND IT REDUCES THE VELOCITY OF THE RUNOFF. PROPERLY DESIGNED SILT FENCE IS ECONOMICAL SINCE IT CAN BE RE-LOCATED DURING CONSTRUCTION AND RE-USED ON OTHER PROJECTS.

PRIMARY USE:

SILT FENCE IS NORMALLY USED AS PERIMETER CONTROL LOCATED DOWNSTREAM OF DISTURBED AREAS. IT IS ONLY FEASIBLE FOR NON-CONCENTRATED. SHEET FLOW CONDITIONS.

APPLICATIONS:

SILT FENCE IS AN ECONOMICAL MEANS TO TREAT OVERLAND, NON-CONCENTRATED FLOWS FOR ALL TYPES OF PROJECTS. SILT FENCES ARE USED AS PERIMETER CONTROL DEVICES FOR BOTH SITE DEVELOPMENTS AND LINEAR (ROADWAY) TYPE PROJECTS. THEY ARE MOST EFFECTIVE WITH COARSE TO SILTY SOIL TYPES. DUE TO THE POTENTIAL OF CLOGGING, SILT FENCES SHOULD NOT BE USED WITH CLAY SOIL TYPES.

IN ORDER TO REDUCE THE LENGTH OF SILT FENCES, IT SHOULD BE PLACED ADJACENT TO THE DOWN SLOPE SIDE OF THE CONSTRUCTION ACTIVITIES.

DESIGN CRITERIA:

- FENCES ARE TO BE CONSTRUCTED ALONG A LINE OF CONSTANT ELEVATION (ALONG A CONTOUR LINE) WHERE POSSIBLE.
- MAXIMUM SLOPE ADJACENT TO THE FENCE IS 1:1.
- MAXIMUM DISTANCE OF FLOW TO SILT FENCE SHOULD BE 200 FEET OR LESS.
- MAXIMUM CONCENTRATED FLOW TO SILT FENCE SHALL BE 1 CFS PER 20 FEET OF FENCE.
- IF 50% OR LESS OF SOIL, BY WEIGHT, PASSES THE U.S. STANDARD SIEVE NO. 200, SELECT THE EQUIVALENT OPENING SIZE (E.O.S) TO RETAIN 85% OF THE SOIL.
- MAXIMUM EQUIVALENT OPENING SIZE SHALL BE 70 (#70 SIEVE).
- MAXIMUM EQUIVALENT OPENING SIZE SHALL BE 100 (#100 SIEVE).
- IF 85% OR MORE OF SOIL, BY WEIGHT, PASSES THE U.S. STANDARD SIEVE NO. 200, SILT FENCES SHALL NOT BE USED DUE TO POTENTIAL CLOGGING.
- SUFFICIENT ROOM FOR THE OPERATION OF SEDIMENT REMOVAL EQUIPMENT SHALL BE PROVIDED BETWEEN THE SILT FENCE AND OTHER OBSTRUCTIONS IN ORDER TO PROPERLY MAINTAIN THE FENCE.
- THE ENDS OF THE FENCE SHALL BE TURNED UPSTREAM TO PREVENT BYPASS OF STORMWATER.

LIMITATIONS:

MINOR PONDING WILL LIKELY OCCUR AT THE UPSTREAM SIDE OF THE SILT FENCE RESULTING IN MINOR LOCALIZED FLOODING.

FENCES WHICH ARE CONSTRUCTED IN SWALES OR LOW AREAS SUBJECT TO CONCENTRATED FLOW MAY BE OVERTOPPED RESULTING IN FAILURE OF THE FILTER FENCE. SILT FENCES SUBJECT TO AREAS OF CONCENTRATED FLOW (WATERWAYS WITH FLOWS > 1 CFS) ARE NOT ACCEPTABLE.

SILT FENCE CAN INTERFERE WITH CONSTRUCTION OPERATIONS, THEREFORE PLANNING OF ACCESS ROUTES ONTO THE SITE IS CRITICAL.

SILT FENCE CAN FAIL STRUCTURALLY UNDER HEAVY STORM FLOWS, CREATING MAINTENANCE PROBLEMS REDUCING THE EFFECTIVENESS OF THE SYSTEM.

MAINTENANCE REQUIREMENTS:

INSPECTIONS SHOULD BE MADE ON A WEEKLY BASIS, ESPECIALLY AFTER LARGE STORM EVENTS. IF THE FABRIC BECOMES CLOGGED, IT SHOULD BE CLEANED OR IF NECESSARY, REPLACED.

SEDIMENT SHOULD BE REMOVED WHEN IT REACHES APPROXIMATELY ONE-HALF THE HEIGHT OF THE FENCE.

APPLICATIONS

PERIMETER CONTROL

SLOPE PROTECTION

SEDIMENT TRAPPING

CHANNEL PROTECTION

TEMPORARY STABILIZATION

PERMANENT STABILIZATION

WASTE MANAGEMENT

HOUSEKEEPING PRACTICES

TARGETED CONSTITUENTS

- ● SEDIMENT
- ○ NUTRIENTS TOXIC MATERIALS
- ○ OIL & GREASE
- ◒ FLOATABLE MATERIALS
- ○ OTHER CONSTRUCTION WASTERS

IMPLEMENTATION REQUIREMENTS

- ◒ CAPITOL COSTS
- ● MAINTENANCE
- ○ TRAINING
- ◒ SUITABILITY FOR SLOPES<5%

LEGEND

- ● SIGNIFICANT IMPACT
- ◒ MEDIUM IMPACT
- ○ LOW IMPACT
- ? UNKNOWN OR QUESTIONABLE IMPACT

Client:
ASCENSION PARISH
DEPARTMENT OF PUBLIC WORKS
42077 CHURCHPOINT RD.
GONZALES, LA 70737

Project:
WALLACE ACRES SUBDIVISION
DRAINAGE IMPROVEMENTS PROJECT
WALLACE ACRES SUBDIVISION
ASCENSION PARISH

Title:
STANDARD PLANS - STORM WATER POLLUTION PREVENTION PLAN

Description:
LOCATED IN
SECTION 4, TOWNSHIP 9 SOUTH, RANGE 3 EAST
SOUTHEASTERN LAND DISTRICT EAST OF MISSISSIPPI RIVER.
ASCENSION PARISH, LOUISIANA

DWG Path: P:\~2017 Projects\17-247 Wallace Acres Drainage Project\Drawings\Engineering\Plans\Current\17247_104_SP (BID-01).dwg

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DEREK J. MURPHY
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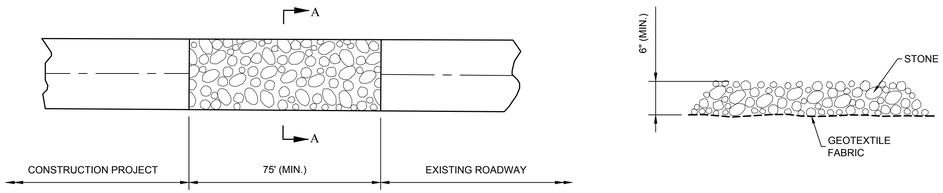
PROFESSIONAL ENGINEER
IN
CIVIL ENGINEERING
12/26/18

Drawn By: EVK

Date: FEBRUARY 2019

Project No.: 17-247

Sheet: 104 OF 53



PLAN VIEW
NOT TO SCALE

SECTION A-A
NOT TO SCALE

1 TEMPORARY STONE CONSTRUCTION ENTRANCE

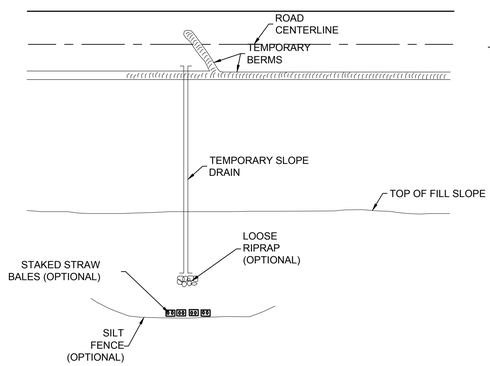
SCALE: N.T.S.

TEMPORARY STONE CONSTRUCTION ENTRANCE:

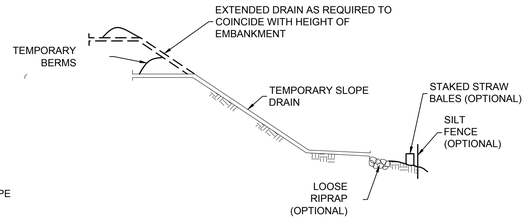
TEMPORARY STONE CONSTRUCTION ENTRANCE AND/OR WASH RACK

A STONE STABILIZED PAD LOCATED AT POINTS OF VEHICULAR INGRESS AND EGRESS ON THE CONSTRUCTION SITE TO REDUCE THE AMOUNT OF MUD TRANSPORTED ONTO PUBLIC ROADS. IF THE ACTION OF THE VEHICLE TRAVELING OVER THE GRAVEL PAD IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF THE MUD, THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLE ENTERS A PUBLIC ROAD. A FEW BASIC DESIGN GUIDELINES FOR THE USE OF A STONE CONSTRUCTION ENTRANCE AND/OR WASH RACKS ARE:

1. THE STONE LAYER MUST BE AT LEAST 6 INCHES THICK;
2. THE LENGTH OF THE PAD MUST BE AT LEAST 75 FEET AND IT MUST EXTEND THE WIDTH OF THE VEHICULAR INGRESS AND EGRESS.
3. A GEOTEXTILE FABRIC UNDERLINE IS REQUIRED. THE GEOTEXTILE FABRIC SHALL BE TYPE D OR PER THE STANDARD SPECIFICATIONS;
4. IF A WASH RACK IS NECESSARY, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF-SITE.
5. FOR THE STONE SPECIFICATIONS, SEE ASCENSION PARISH SPECIFICATIONS.



PLAN VIEW
NOT TO SCALE



ELEVATION
NOT TO SCALE

2 TEMPORARY SLOPE DRAIN

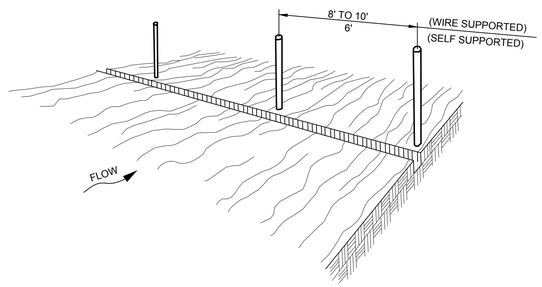
SCALE: N.T.S.

TEMPORARY SLOPE DRAIN:

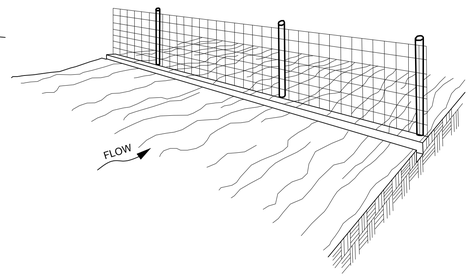
A TEMPORARY SLOPE DRAIN IS A DEVICE USE TO CARRY WATER FROM THE CONSTRUCTION WORK AREA TO A LOWER ELEVATION. SLOPE DRAIN MAY BE PLASTIC SHEETS, METAL OR PLASTIC PIPE, STONE, STONE GUTTER, FIBER MATS, OR CONCRETE OR ASPHALT DITCHES. A FEW BASIC DESIGN GUIDELINES OF THE USE OF A TEMPORARY SLOPE DRAIN ARE:

1. THE SPACING OF THE SLOPE DRAINS VARIES WITH THE ROAD GRADE.
   FOR GRADES: 0.0% - 2.0% USE 500' SPACING
   2.1% - 5.0% USE 200' SPACING
   GREATER THAN 5.0% USE 100' SPACING
2. SLOPE DRAIN MATERIAL: SMOOTH PIPE - 8" MINIMUM
   CORRUGATED PIPE - 12" MINIMUM
   PLASTIC SHEETING - 4" WIDE MINIMUM
   PLASTIC SHEETING - 3 MILS THICK MINIMUM
3. PLASTIC SHEETING CAN BE STACKED DOWN OR WEIGHTED WITH ROCKS OR LOGS. THE AREA UNDER THE SHEETING SHOULD BE SHAPED TO PROVIDE AN ADEQUATE CHANNEL.
4. THE OUTLET END SHOULD BE PROTECTED OR HAVE SOME MEANS OF DISSIPATING ENERGY. THE FLOW SHOULD BE DIRECTED THROUGH A SEDIMENT TRAP SUCH AS SILT FENCE OR HAY BALES.
5. TO INSURE PROPER OPERATION, TEMPORARY SLOPE DRAINS SHOULD BE INSPECTED REGULARLY AND AFTER EACH STORM, FOR CLOGGING OR DISPLACEMENT. EROSION AT THE OUTLET SHOULD BE CHECKED AND SILTS TRAPS CLEANED IF NECESSARY.

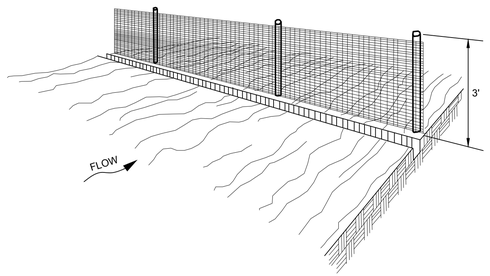
1. SET POSTS AND EXCAVATE A 4"X4" TRENCH UPSLOPE ALONG THE LINE OF POSTS.



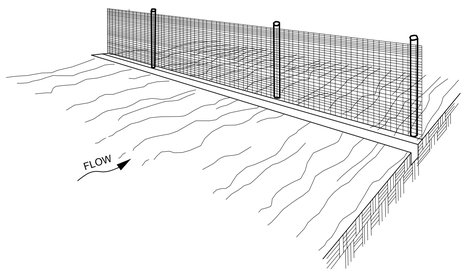
2. STAPLE WIRE FENCING TO THE POSTS.



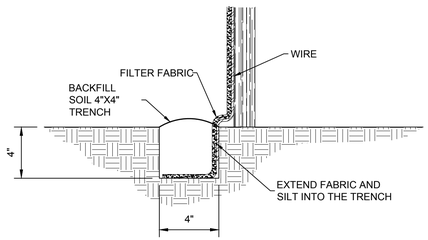
3. ATTACH THE FILTER FABRIC TO THE WIRE FENCE AND EXTEND IT INTO THE TRENCH.



4. BACKFILL AND COMPACT ED EXCAVATED SOIL.



EXTENSION OF FABRIC INTO THE TRENCH



3 CONSTRUCTION OF TEMPORARY SILT FENCING

SCALE: N.T.S.

CONSTRUCTION OF TEMPORARY SILT FENCING:

SILT FENCING IS A TEMPORARY SEDIMENT BARRIER CONSISTING OF A FILTER FABRIC SUPPORTED BY POST AND STRETCHED ACROSS AN AREA TO INTERCEPT AND DETAIN SMALL AMOUNTS OF SEDIMENT. SILT FENCING SHALL BE IN ACCORDANCE WITH ASCENSION PARISH SPECIFICATIONS. A FEW BASIC GUIDELINES FOR THE USE OF SILT FENCING ARE:

1. USE WHERE EROSION WOULD OCCUR IN THE FORM OF SHEET AND RILL EROSION;
2. USE WHERE THE MAXIMUM DRAINAGE AREA BEHIND THE SILT FENCE IS 1/4 ACRE PER 100 FEET OF SILT FENCE LENGTH;
3. USE WHERE THE MAXIMUM SLOPE LENGTH BEHIND THE BARRIER IS 100 FEET;
4. USE WHERE THE MAXIMUM GRADIENT BEHIND THE BARRIER IS 2:1;
5. DO NOT USE SILT FENCE IN LIVE STREAMS OR IN DITCHES OR SWALES WHERE FLOWS EXCEED ONE CUBIC FOOT PER SECOND.

Client:
ASCENSION PARISH
DEPARTMENT OF PUBLIC WORKS
42077 CHURCHPOINT RD.
GONZALES, LA 70737

Project:
WALLACE ACRES SUBDIVISION
DRAINAGE IMPROVEMENTS PROJECT
WALLACE ACRES SUBDIVISION
ASCENSION PARISH

Title: STANDARD PLANS - TEMPORARY EROSION CONTROL INSTALLATION DETAILS

Description: LOCATED IN SECTION 4, TOWNSHIP 9 SOUTH, RANGE 3 EAST, SOUTHEASTERN LAND DISTRICT EAST OF MISSISSIPPI RIVER, ASCENSION PARISH, LOUISIANA

DWG Path: P:\~2017 Projects\17-247 Wallace Acres Drainage Project\Drawings\Engineering\Plans\Current\17247_105_SP (TSCI-02).dwg

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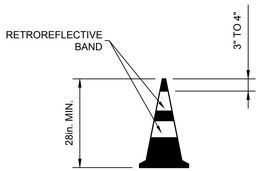
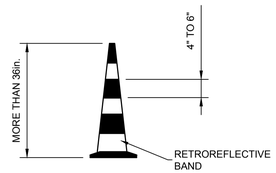
Sheet: 105 OF 53

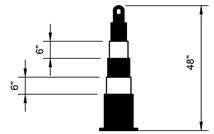
CONE
DAY AND LOW-SPEED ROADWAY ≤ 40 MPH
NOT TO SCALE



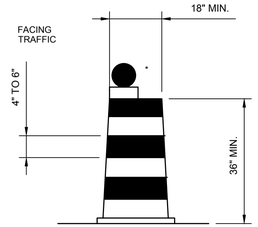
CONE
NIGHT AND/OR FREEWAY HIGH-SPEED
ROADWAY ≥ 45 MPH
NOT TO SCALE



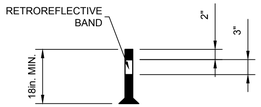
CONE
NIGHT AND/OR FREEWAY HIGH-SPEED
ROADWAY ≥ 45 MPH
NOT TO SCALE



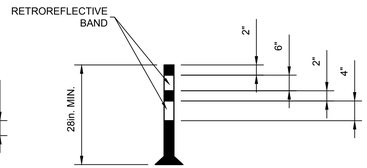
SUPER CONE
NOT TO SCALE



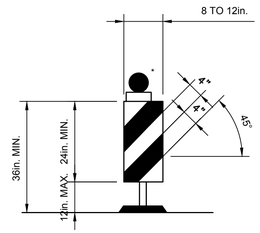
DRUM
NOT TO SCALE



CONE
DAY AND LOW-SPEED ROADWAY ≤ 40 MPH
NOT TO SCALE

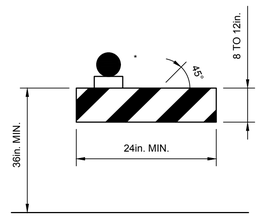


TUBULAR MARKERS
NIGHT AND/OR FREEWAY HIGH-SPEED
ROADWAY ≥ 45 MPH
NOT TO SCALE

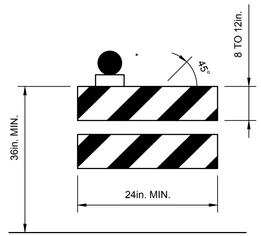


VERTICAL PANEL
NOT TO SCALE

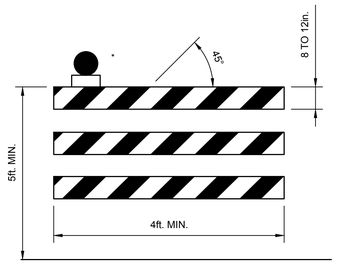
WARNING LIGHT
(OPTIONAL)



TYPE I BARRICADE **
NOT TO SCALE



TYPE II BARRICADE **
NOT TO SCALE



TYPE III BARRICADE **
NOT TO SCALE

* WARNING LIGHT (OPTIONAL)
** RAIL STRIPE WIDTHS SHALL BE 6in., EXCEPT THAT 4in. WIDE STRIPES MAY BE USED IF RAIL LENGTHS ARE LESS THAN 36in. THE SIDES OF BARRICADES FACING TRAFFIC SHALL HAVE RETROREFLECTIVE RAIL FACES.

SIGNS:

- ALL SIGNS USED FOR TEMPORARY TRAFFIC CONTROLS SHALL FOLLOW THE MUTCD. SIGNS SHOWN IN THE STANDARD PLAN ILLUSTRATIONS ARE TYPICAL AND MAY VARY WITH EACH SPECIFIC CONDITION.
- MORE APPROPRIATE SIGNING FOR A SPECIFIC CONDITION MAY BE REQUIRED OR SUBSTITUTED WITH THE APPROVAL OF THE PROJECT ENGINEER AND REVIEWED BY THE PARISH ENGINEER.
- WHEN PROJECTS ARE SEPARATED BY LESS THAN ONE MILE, THEY SHALL BE SIGNED AS ONE PROJECT.
- AT ONE TIME SHALL SIGNS WARNING AGAINST A PARTICULAR OPERATION BE LEFT IN PLACE ONCE THE OPERATION HAS COMPLETED OR WHERE THE OBSTACLE HAS BEEN REMOVED.
- SIGNS OVER 10 SQ FT SHALL BE MOUNTED ON TWO POST AND SIGNS OVER 20 SQ FT SHALL BE MOUNTED ON AT LEAST THREE POST.
- SIGNS SHALL HAVE A MINIMUM OF TWO BOLTS PER POST.
- PERMANENT SIGNS NO LONGER APPLICABLE OR IN CONFLICT SHALL BE REMOVED OR COVERED WITH A STRONG, LIGHTWEIGHT, OPAQUE MATERIAL.
- WARNING SIGNS USED FOR TEMPORARY TRAFFIC CONTROLS SHALL MEET THE FOLLOWING GUIDELINES UNLESS OTHERWISE NOTED IN THE PLANS: (A) SIZE SHALL BE 48" X 48" (B) SEE THE LADOTD QPL FOR SHEETING INFORMATION, (C) A MINIMUM OF A 2 LB U-CHANNEL POST MAY BE USED DRIVEN TO A MINIMUM DEPTH OF 3', (D) SIGN HEIGHT SHALL BE A MINIMUM OF 5' ABOVE THE ROADWAY SURFACE UNLESS THERE IS A CONCERN FOR PEDESTRIANS OR BICYCLE TRAFFIC IN WHICH IT SHALL BE A MINIMUM OF 7', (E) LATERAL DISTANCE OF SIGNS SHALL BE A MINIMUM OF 6' FROM THE EDGE OF SHOULDER OR EDGE OF PAVEMENT IF NO SHOULDER EXIST AND 2' FROM THE BACK OF CURB IN URBAN AREAS.
- VINYL ROLL UP SIGNS WILL BE ALLOWED FOR SHORT TERM (LESS THAN 12 HOURS) DAYTIME WORK PROVIDED THAT THEY MEET THE SIZE, COLOR, RETRONEFLECTIVITY REQUIREMENTS, AND NCHRP 350.
- MESH ROLLUP SIGNS SHALL NOT BE ALLOWED ON ANY PROJECT.
- ALL SIGNS SHALL BE REMOVED OR COVERED WHEN NO LONGER APPLICABLE.
- CONTRACTOR SHALL USE CAUTION NOT TO DAMAGE EXISTING SIGNS WHICH REMAIN IN PLACE. ANY SIGNS DAMAGED BY WORK OPERATIONS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

GENERAL PROVISIONS:

- ALL TEMPORARY TRAFFIC CONTROL (TTC) DEVICES USED SHALL BE IN ACCORDANCE WITH JUNE 2017 ASCENSION PARISH SUBDIVISION CONSTRUCTION SPECIFICATION OR MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), AND THE REQUIREMENTS OF THE NATIONAL COOPERATIVE HIGHWAY RESEARCH PROGRAM (NCHRP) 350 FOR TEST LEVEL 3. THE MUTCD IS AVAILABLE AT HTTP://MUTCD.FHWA.DOT.GOV/
- THE CONTRACTOR SHALL PROVIDE ONE OR MORE AUTHORIZED TRAFFIC CONTROL SUPERVISOR (TCS) IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
- NO TEMPORARY TRAFFIC CONTROLS SHALL BE ERECTED WITHOUT THE APPROVAL OF THE PARISH ENGINEER AND UNTIL WORK IS ABOUT TO BEGIN, UNLESS THEY ARE COVERED.
- NO LANE CLOSURES, LANE SHIFTS, DIVERSIONS, OR DETOURS SHALL OCCUR WITHOUT THE AUTHORIZATION OF PARISH ENGINEER.
- RESPONSIBILITY IS HEREBY PLACED UPON THE CONTRACTOR FOR THE INSTALLATION, MAINTENANCE, AND OPERATION OF ALL TEMPORARY TRAFFIC CONTROL DEVICES CALLED FOR IN THESE PLANS OR REQUIRED BY THE PROJECT ENGINEER FOR THE PROTECTION OF THE TRAVELING PUBLIC AS WELL AS ALL DEPARTMENT AND CONSTRUCTION PERSONNEL. ALL REFLECTIVE DEVICES SUCH AS A SIGNS, DRUMS, BARRICADES, VERTICAL PANELS, DELINEATORS OF ANY TYPE, ETC. SHALL BE CLEANED OR WASHED PERIODICALLY TO MAINTAIN THEIR EFFECTIVENESS, AS REQUIRED BY CONDITIONS OR PROJECT ENGINEER.
- THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE MAINTENANCE OF ALL PERMANENT SIGNS AND PAVEMENT MARKINGS LEFT IN PLACE AS ESSENTIAL TO THE SAFE MOVEMENT AND GUIDANCE OF TRAFFIC WITHIN THE PROJECT LIMITS.
- THE PARISH ENGINEER SHALL SERVE AS A TECHNICAL ADVISOR TO THE PROJECT ENGINEER FOR ALL TRAFFIC CONTROL MATTERS.
- "ROAD WORK XX MILES" SIGN SHALL BE REQUIRED ON ALL PROJECTS AND LOCATED AT BEGINNING OF THE PROJECT UNLESS OTHERWISE NOTED. THE SIGN SHALL BE A MINIMUM 36"X 60" UNLESS OTHERWISE NOTED.
- WARNING SIGNS USED FOR LANE CLOSURES OR LANE SHIFTS IN WHICH THE ROADWAY SHALL BE RETURNED TO FULL PUBLIC USE WITHIN 14 HOURS OR LESS MAY BE PLACED ON NCHRP350 APPROVED PORTABLE SIGNS FRAMES.
- THE PARISH WILL APPROVE ANY DETOUR ROUTE MARKING REQUIRED TO GUIDE TRAVELERS AROUND THE CONSTRUCTION AREA, BUT THE CONTRACTOR WILL BE RESPONSIBLE FOR THE REQUIRED SIGNAGE.

SPEED LIMITS:

- SPEED LIMITS SHALL BE LOWERED BY 10 MPH FOR ANY CONSTRUCTION, MAINTENANCE, OR UTILITY OPERATION THAT REQUIRES ONE OR MORE OF THE FOLLOWING: (A) THE CONDITION OF THE ORIGINAL HIGHWAY IS DEGRADED DUE TO MILLED SURFACES OR UNEVEN PAVEMENTS; (B) WORK IS IN PROGRESS IN THE IMMEDIATE VICINITY OF THE TRAVEL WAY REQUIRING LONE CLOSURES, LONE WIDTH REDUCTIONS, OR LOW SPEED DIVERSIONS; (C) WORKERS PRESENT ON THE SHOULDER WITHIN 2' OF THE EDGE OF TRAVELED WAY WITHOUT BARRIER PROTECTION.
- THE REDUCED SPEED ZONE SHALL ONLY APPLY TO THOSE PORTIONS OF THE PROJECT LIMITS AFFECTED. THE PROJECT ENGINEER MAY ALLOW SPEED LIMIT WITH FLASHING SIGNS TO SUPPLEMENT REDUCED SPEED ZONES.
- AT THE END OF THE REDUCED SPEED ZONE, A SPEED LIMIT SIGN DISPLAYING THE ORIGINAL SPEED LIMIT BEFORE CONSTRUCTION SHALL BE INSTALLED.
- IF CONDITIONS WARRANT, THE PARISH ENGINEER MAY AUTHORIZE THE REDUCTION OF THE SPEED LIMIT BY MORE THAN 10 MPH.

BARRICADES:

- BARRICADES SHALL BE DESIGNED AND APPLIED IN ACCORDANCE WITH THESE STANDARD PLANS AND THE CURRENT MUTCD GUIDANCE. GENERALLY THREE TYPES OF BARRICADES ARE USED AS BELOW. SPECIFIC PROJECT APPLICATIONS SHALL BE REVIEWED AND APPROVED BY THE PARISH ENGINEER AND SHALL NOT DEPLOYED WITHOUT SUCH APPROVAL.
- STEADY BURN LIGHTS SHALL BE USED WHEN BARRICADES ARE USED IN A SERIES FOR CHANNELIZATION.
- TYPE I BARRICADES SHALL BE USED ON LOW SPEED ROADS OR URBAN STREETS
- TYPE II BARRICADES SHALL BE USED ON HIGH SPEED ROADS.
- TYPE III BARRICADES SHALL BE USED TO CLOSE SECTION TO TRAFFIC AND SHALL EXTEND COMPLETELY ACROSS A ROADWAY AND ITS SHOULDERS OR FROM CURB TO CURB.
- WHEN SIGNS AND LIGHTS ARE TO BE MOUNTED TO A BARRICADE, THEY MUST MEET NCHRP 350 REQUIREMENTS.

PAVEMENT MARKINGS (SEE C-P QPL):

- ALL PAVEMENT MARKINGS WITHIN THE LIMITS OF PROJECTS THAT ARE IN CONFLICT WITH THE PROJECT SIGNING OR THE REQUIRED TRAFFIC MOVEMENT SHALL BE REMOVED FROM THE PAVEMENT BY BLAST CLEANING OR GRINDING (EXISTING STRIPING SHALL NOT BE PAINTED OVER WITH BLACK PAINT OR COVERED WITH TAPE).
- IF SPECIAL PAVEMENT MARKINGS ARE NEEDED, THEY SHALL BE REFLECTORIZED, REMOVABLE, AND ACCOMPANIED BY THE PROPER SIGNAGE.
- TEMPORARY RAISED PAVEMENT MARKERS (RPMS) MAY BE ADDED TO SUPPLEMENT TEMPORARY STRIPING IN AREAS OF NEED AS DIRECTED BY THE PROJECT ENGINEER.

CHANNELIZING DEVICES:

- THE FOLLOWING DEVICES MAY BE USED: TUBULAR MAKERS, VERTICAL PANELS, CONES, DRUMS, AND SUPER CONES. DRUMS (AT STANDARD SPACING) AND SUPER CONES (AT ½ STANDARD SPACING) ARE THE ONLY DEVICES ALLOWED TO BE USED IN TAPER AREAS ON THE INTERSTATE SYSTEM DURING DAYLIGHT HOURS. ONLY DRUMS CAN BE USED IN TAPERS DURING NIGHT OPERATIONS.
- RETROREFLECTIVE MATERIAL PATTERN USED ON SUPER CONES SHALL MATCH THAT USED ON DRUMS.
- SPACING OF CHANNELIZING DEVICES SUCH AS CONES, PANELS, DRUMS, AND TYPE I OR II BARRICADES SHALL NOT EXCEED A DISTANCE IN FEET EQUAL TO THE SPEED LIMIT WHEN USED FOR TAPER CHANNILIZATION AND A DISTANCE IN FEET OF TWICE THE SPEED LIMIT WHEN USED TANGENT CHANNELIZATION.
- 28" TRAFFIC CONES ARE NOT ALLOWED ON: 1) INTERSTATES, AND 2) HIGHWAYS WITH SPEEDS GREATER THAN 40 MPH.
- DURING NIGHT TIME OPERATIONS: 1) 28" AND 36" CONES ARE NOT ALLOWED, 2) DRUMS ARE THE ONLY DEVICE ALLOWED IN THE TAPER.

Client:
ASCENSION PARISH
DEPARTMENT OF PUBLIC WORKS
42077 CHURCHPOINT RD.
GONZALES, LA 70737

Project:
WALLACE ACRES SUBDIVISION
DRAINAGE IMPROVEMENTS PROJECT
WALLACE ACRES SUBDIVISION
ASCENSION PARISH

Title: STANDARD PLANS - TEMPORARY TRAFFIC CONTROL

Description:
LOCATED IN
SECTION 4, TOWNSHIP 9 SOUTH, RANGE 3 EAST,
SOUTHEASTERN LAND DISTRICT EAST OF MISSISSIPPI RIVER,
ASCENSION PARISH, LOUISIANA

DWG Path: P:\-2017 Projects\17-247 Wallace Acres Drainage Project\Drawings\Engineering\Plans\Current\17247_106_SP (905-01).dwg

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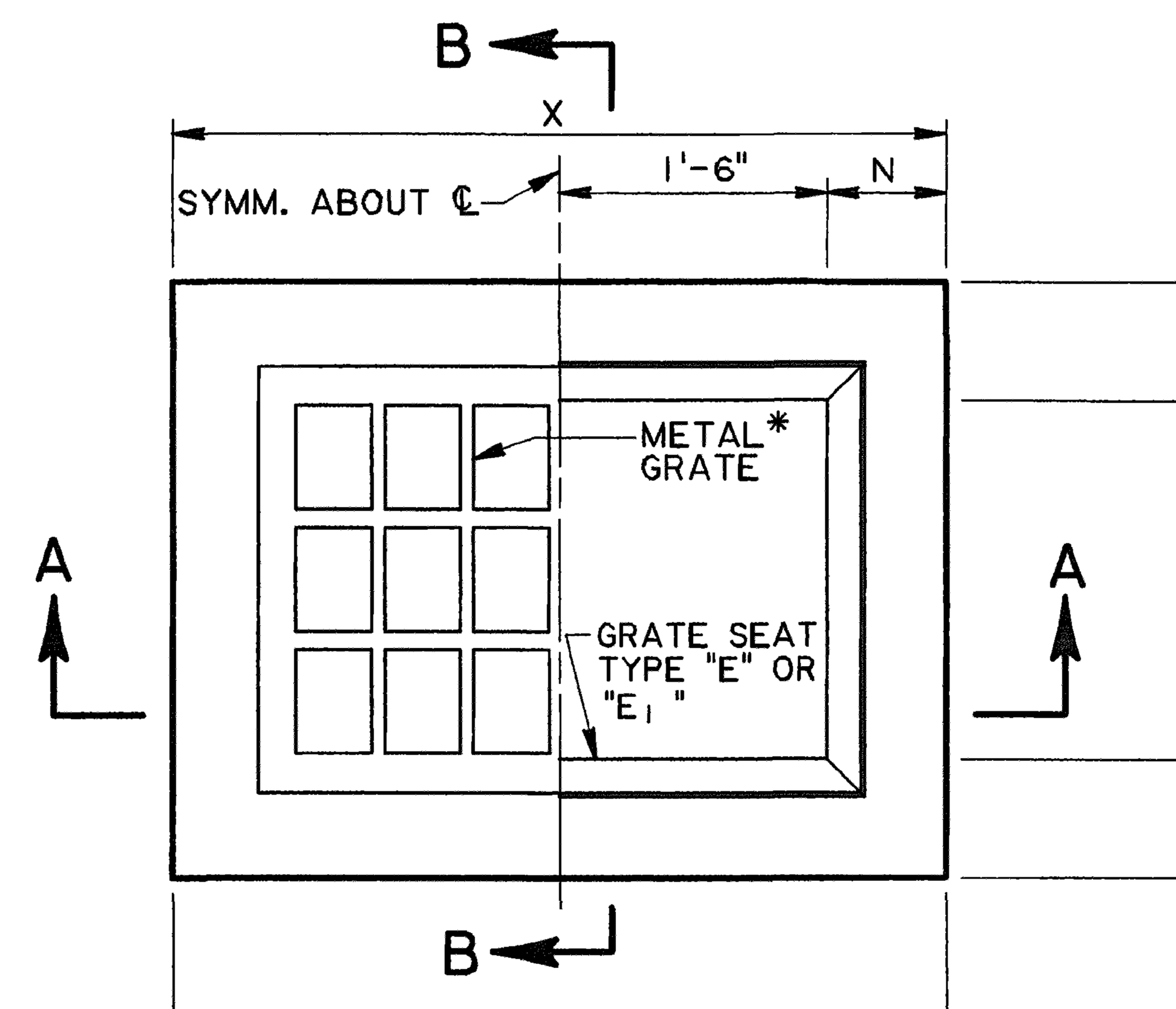
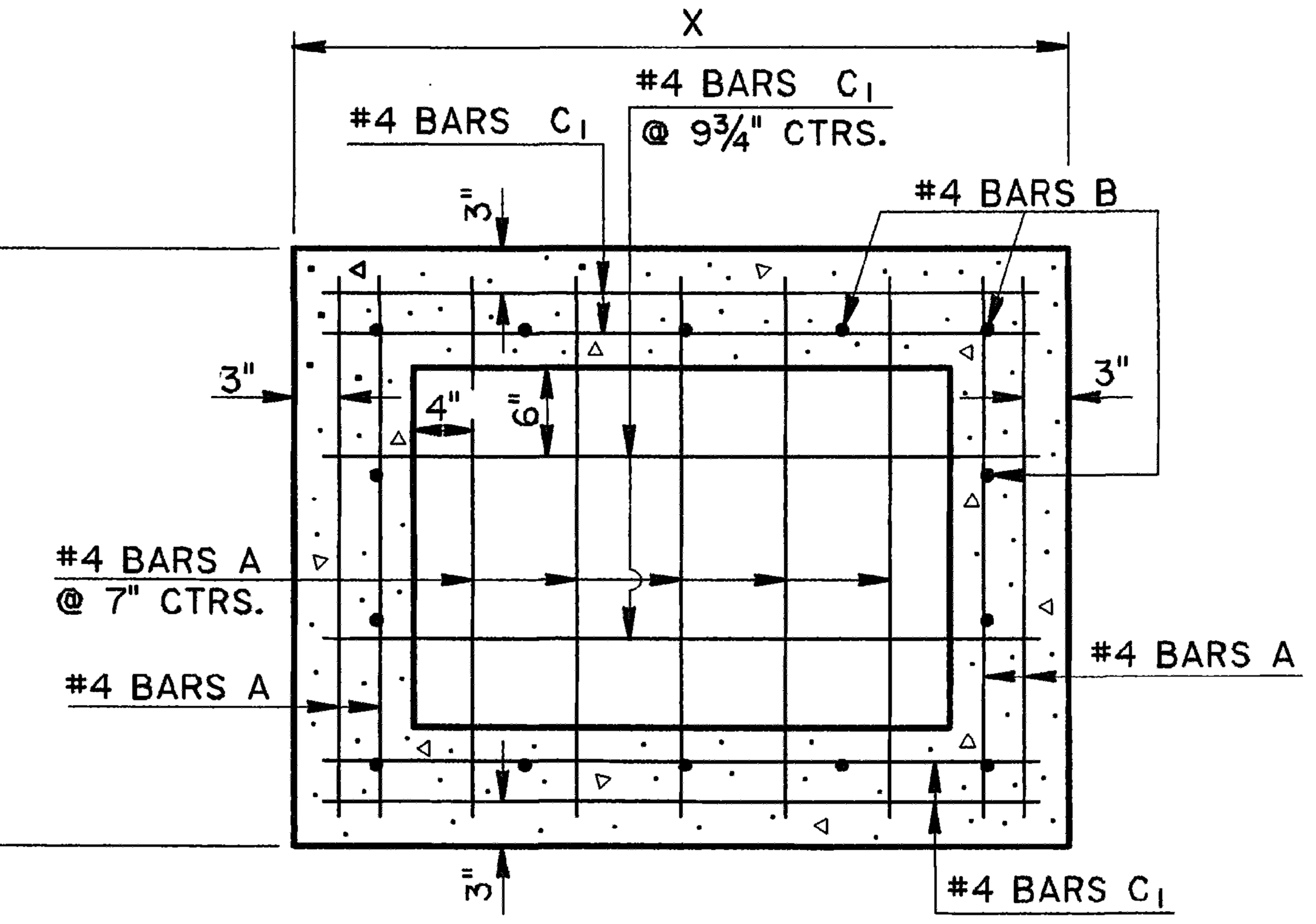


PLAN

* GRATE TO BE TYPE "B" OR "C" TYPE "B" SHOWN.



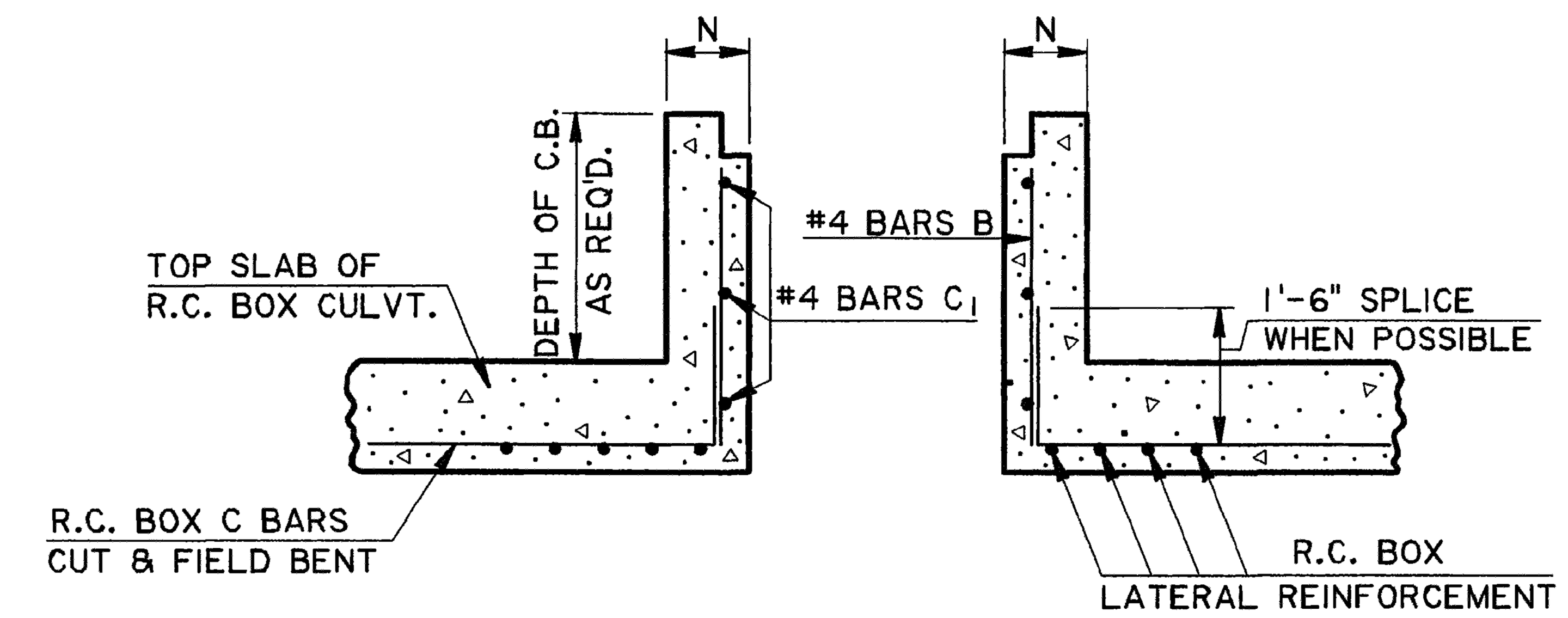
HORIZONTAL SECTION

SHOWING BOTTOM SLAB REINFORCING STEEL

NOTE: TYPE "B" GRATE TO BE USED WHERE NO PEDESTRIAN TRAFFIC IS EXPECTED.

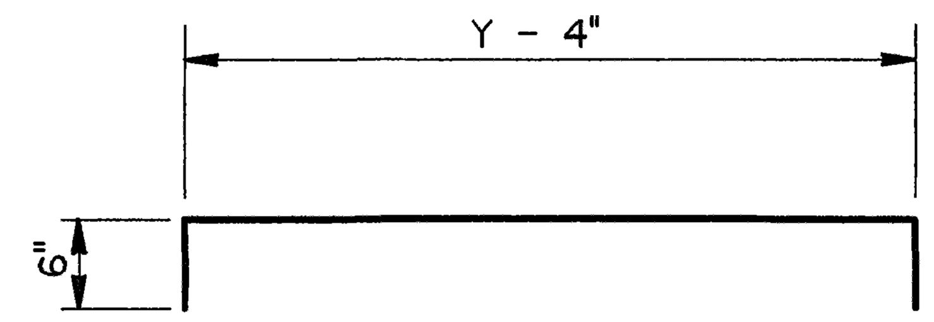
TYPE "C" GRATE TO BE USED WHERE PEDESTRIAN TRAFFIC IS EXPECTED.

DIMENSIONS			
DEPTH OF BASIN	N	X	Y
FT.	IN.	FT.- IN.	FT.- IN.
0 - 8	7	4-2	3-2¼
8.1 - 12	8	4-4	3-4¼

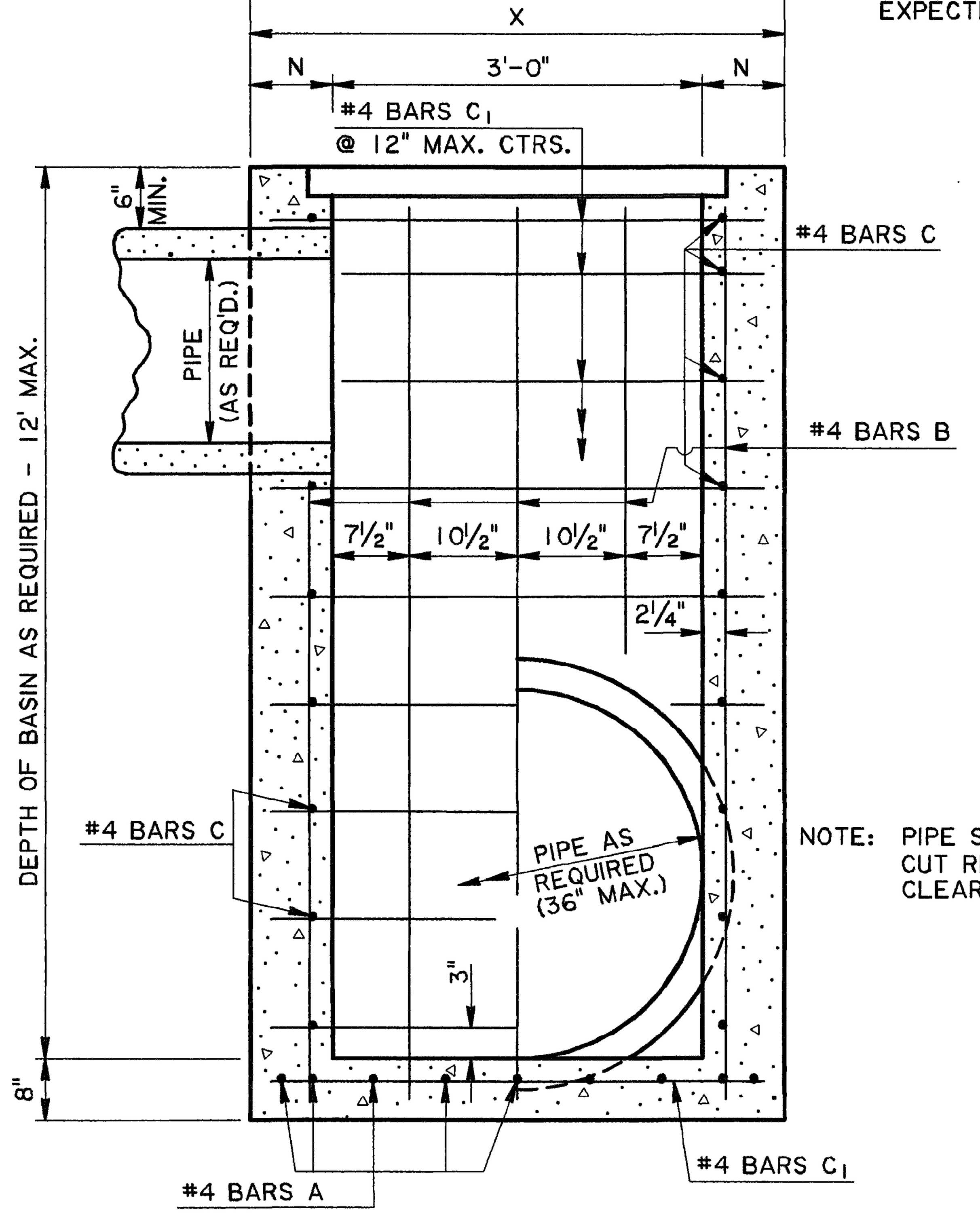


LONGITUDINAL SECTION

SHOWING CATCH BASIN USED WITH R.C. BOX CULVERT.

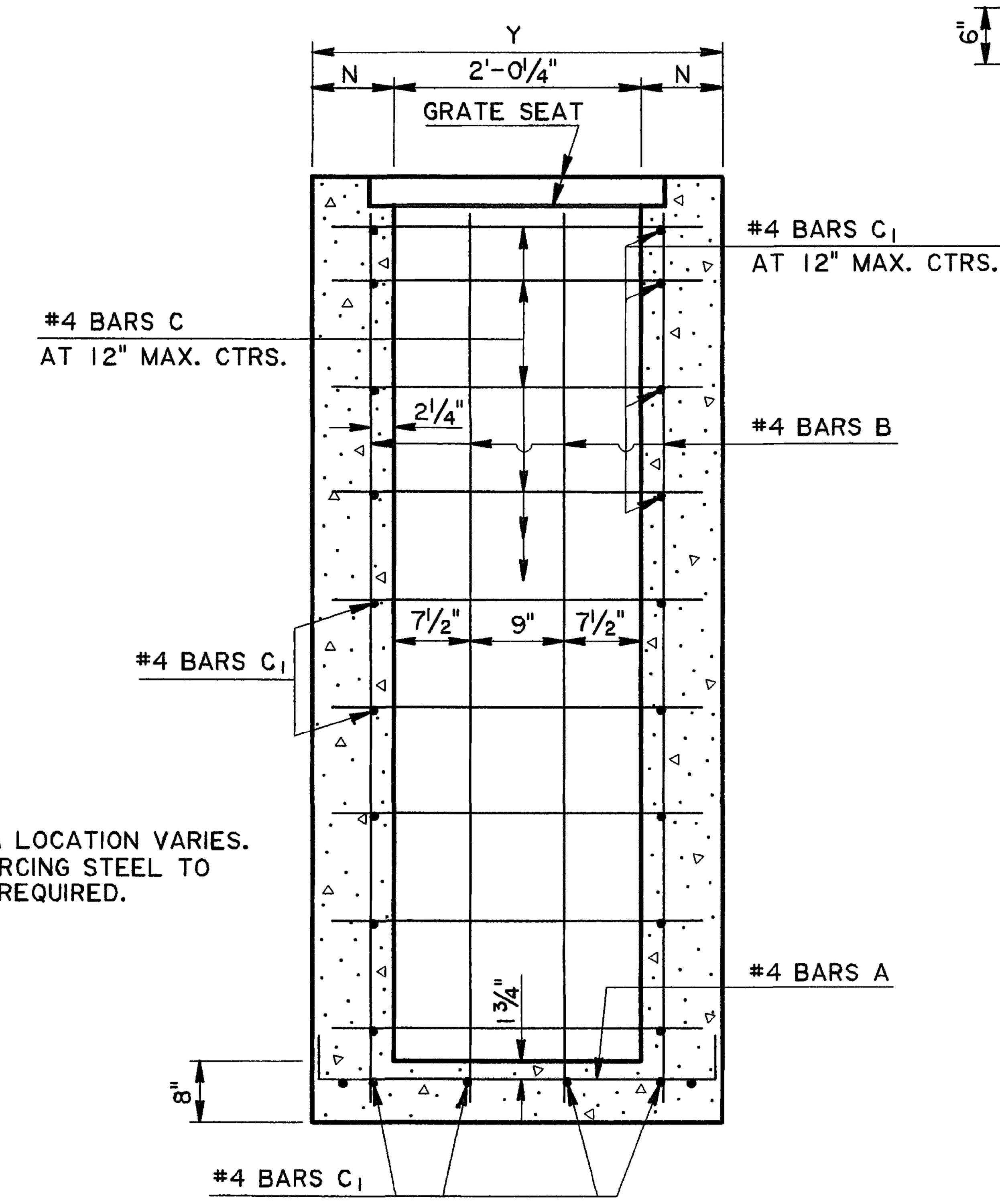


#4 BARS A

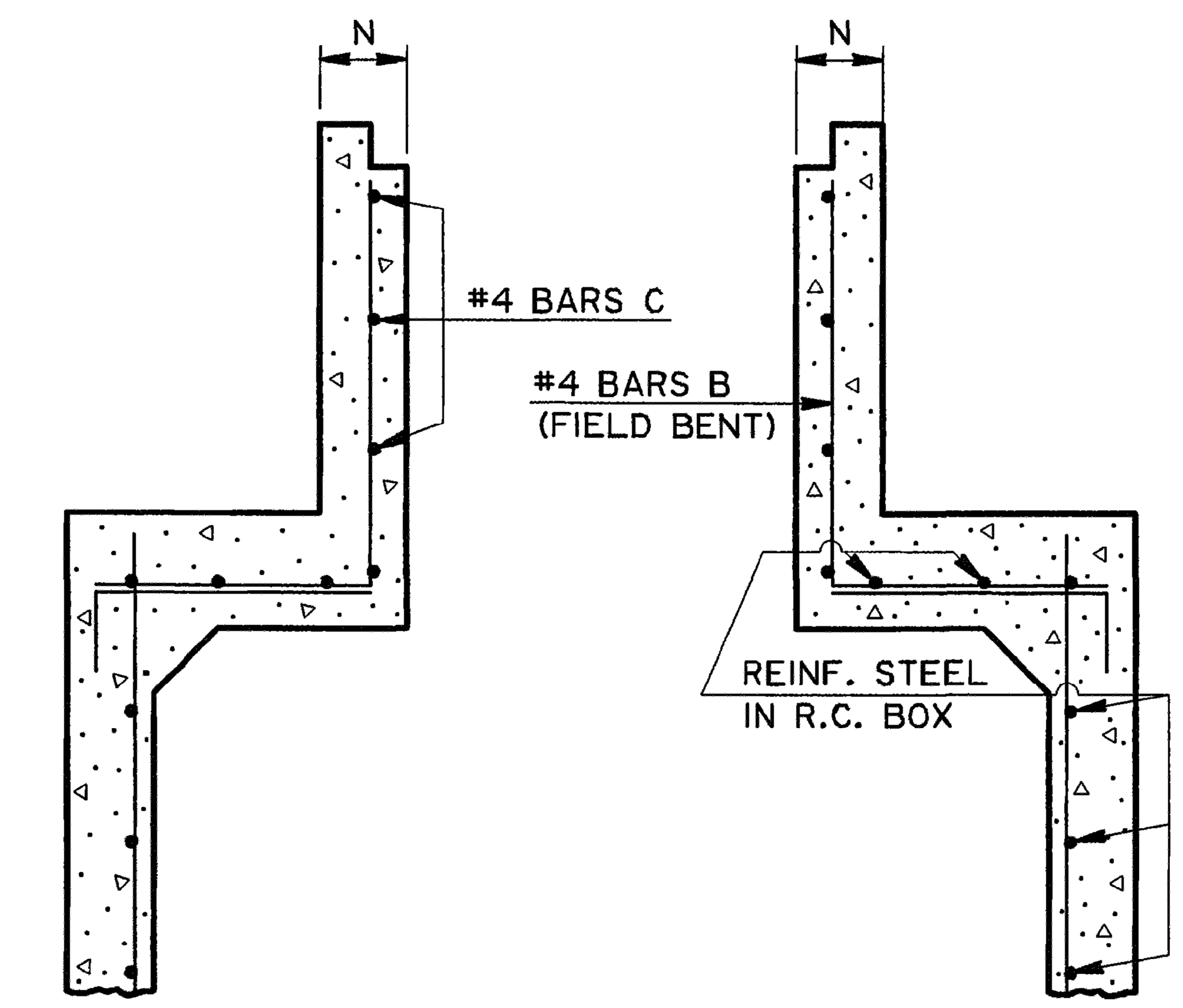


SECTION A-A

NOTE: PIPE SIZE & LOCATION VARIES. CUT REINFORCING STEEL TO CLEAR, AS REQUIRED.



SECTION B-B



TRANSVERSE SECTION

SHOWING CATCH BASIN USED WITH R.C. BOX CULVERT.

GENERAL NOTES:

SECTION 702 OF THE CURRENT DOTD STANDARD SPECIFICATIONS SHALL APPLY.

DIMENSIONS RELATING TO REINFORCING STEEL ARE TO BAR CENTERS.

VERTICAL REINFORCING STEEL MAY BE SPLICED. SPLICE LENGTH IS 35 DIAMETERS.

FOR DETAILS OF GRATE AND SEAT, SEE STD. PLAN MC-01 (TYPE B or C).

SEE PLANS FOR TYPE OF GRATE TO BE USED FOR EACH CATCH BASIN.

SHEET NUMBER	
PARISH	
FEDERAL PROJECT	
STATE PROJECT	
DESIGNED	PAA
CHECKED	
DETAILED	KAJ
CHECKED	WMR
DATE	1-31-97
SHEET	1 OF 1

DATE	REVISION DESCRIPTION	BY
11-2-00	Converted Metric CB-01M to English CB-01	JCM

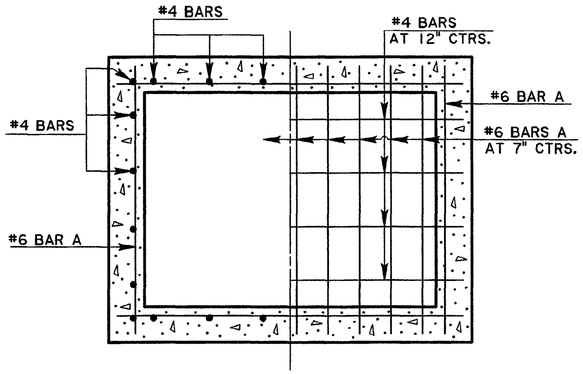
APPROVED BY CHIEF ENGINEER: [signature] DATE: 11-2-00

CONCRETE OPEN TOP CATCH BASIN

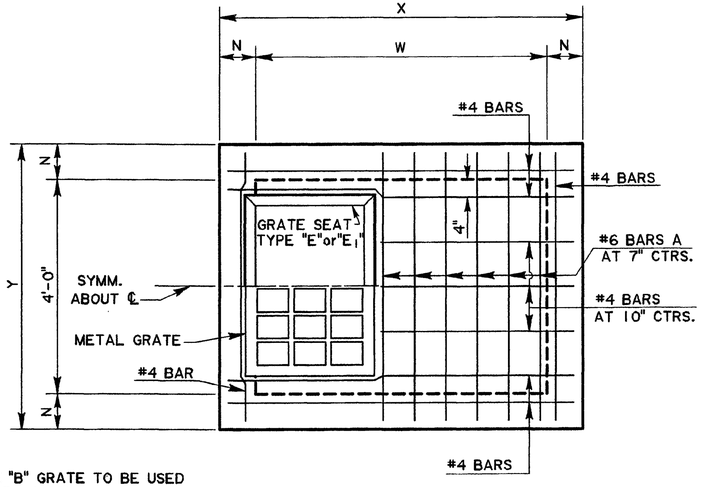
Max. Pipe: 36" x 24"
Max. Depth: 12'
To Be Used In Conjunction With Std. Plan MC-01

STANDARD PLAN CB-01

HYDRAULICS SECTION



SECTIONAL PLAN
(SHOWING BOTTOM SLAB & WALLS)



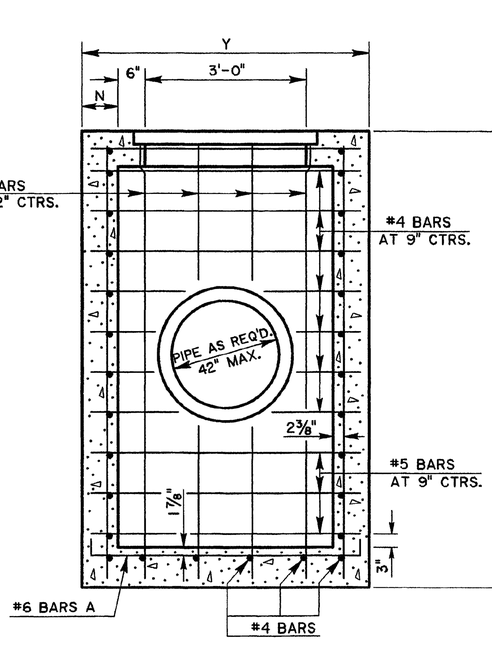
NOTE: TYPE "B" GRATE TO BE USED WHERE NO PEDESTRIAN TRAFFIC IS EXPECTED.

TYPE "C" GRATE TO BE USED WHERE PEDESTRIAN TRAFFIC IS EXPECTED.

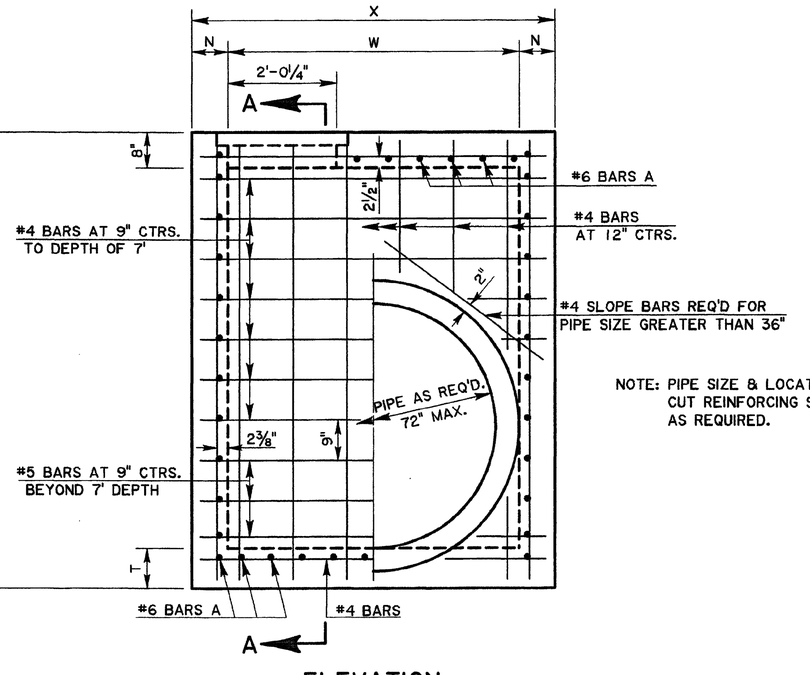
PLAN
GRATE TO BE TYPE "B" or "C".
TYPE "B" SHOWN.

DIMENSIONS										
TRUNK PIPE	DEPTH TO 8'					DEPTH 8' TO 12'				
	N	T	W	X	Y	N	T	W	X	Y
INCH	INCH	INCH	FT-IN	FT-IN	FT-IN	INCH	INCH	FT-IN	FT-IN	FT-IN
42	7	9	4-3	5-5	5-2	8	9	4-3	5-7	5-4
48	7	9	4-10	6-0	5-2	8	9	4-10	6-2	5-4
54	7	9	5-5	6-7	5-2	8	9	5-5	6-9	5-4
60	7	10	6-0	7-2	5-2	8	10	6-0	7-4	5-4
66	7	10	6-7	7-9	5-2	8	10	6-7	7-11	5-4
72	7	10	7-2	8-4	5-2	8	10	7-2	8-6	5-4

NOTE: X AND W DIMENSIONS MAY BE VARIED FOR SKEWED PIPE, BUT W SHALL NOT EXCEED 7'-2".

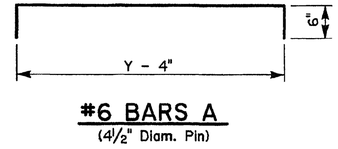


SECTION A-A



ELEVATION

NOTE: PIPE SIZE & LOCATION VARIES. CUT REINFORCING STEEL TO CLEAR, AS REQUIRED.



#6 BARS A
(4½" Diam. Pin)

GENERAL NOTES:

SECTION 702 OF THE CURRENT DOTD STANDARD SPECIFICATIONS SHALL APPLY.

DIMENSIONS RELATING TO REINFORCING STEEL ARE TO BAR CENTERS.

VERTICAL REINFORCING STEEL MAY BE SPLICED. SPLICE LENGTH IS 35 DIAMETERS.

FOR DETAILS OF GRATE AND SEAT, SEE STD. PLAN MC-01 (TYPE B or C).

SEE PLANS FOR TYPE OF GRATE TO BE USED FOR EACH CATCH BASIN.

SHEET NUMBER

PARISH | FEDERAL PROJECT | STATE PROJECT

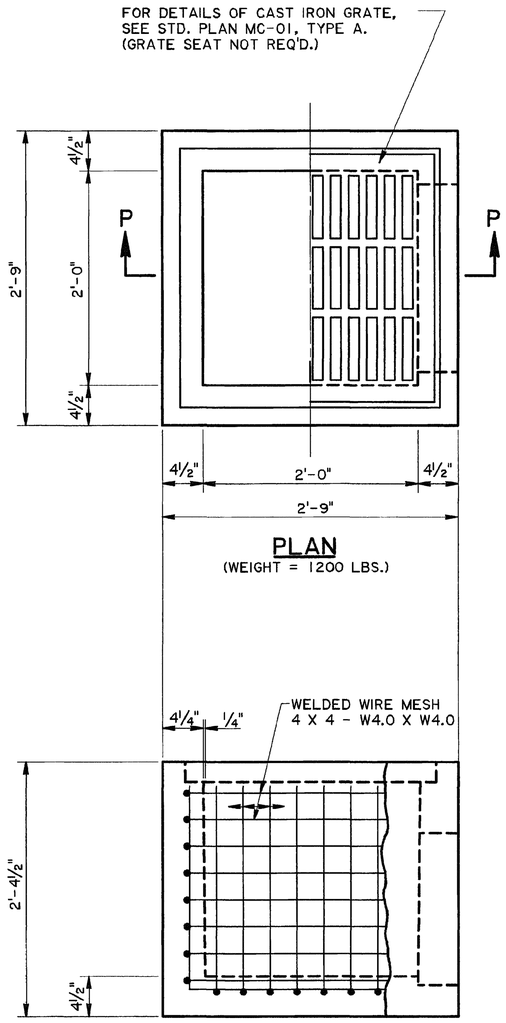
DESIGNED PAA | DETAILED KAJ | DATE 1-31-97
CHECKED | CHECKED WMR | SHEET 1 OF 1

BY JCM | 11-2-00 DATE | Converted Metric CB-02M to English CB-02 REVISION DESCRIPTION

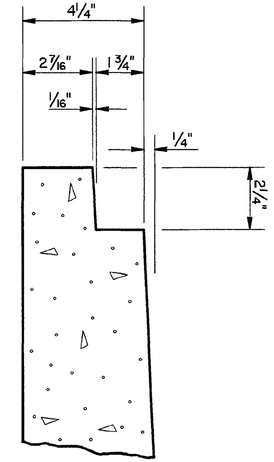
APPROVED BY CHIEF ENGINEER: [signature] DATE: 1-2-00

CONCRETE OPEN TOP CATCH BASIN
Max. Pipes: 72" x 42"
Max. Depth: 12'
To Be Used In Conjunction With Std. Plan MC-01
STANDARD PLAN | CB-02

HYDRAULICS SECTION



PLAN
(WEIGHT = 1200 LBS.)



DETAIL A
ALL DIMENSIONS TYPICAL

GENERAL NOTES:

ALL CONCRETE TO BE CLASS "P".

SETTING TOLERANCE TO BE +0 & -1".

WELDED WIRE MESH TO BE OVERLAPPED A MINIMUM 3" FOR SPLICE.

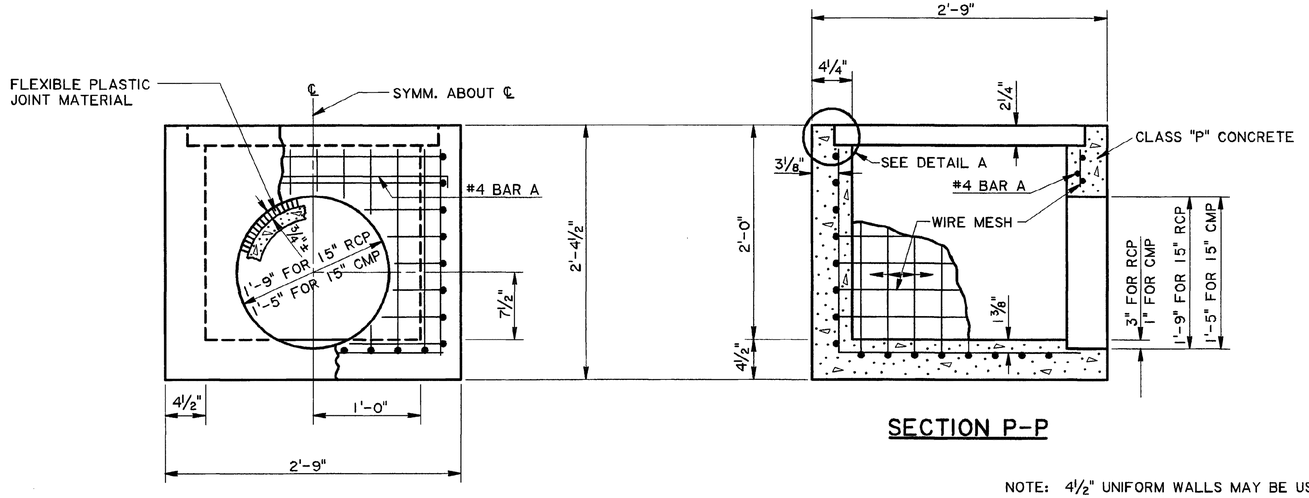
OPENING TO MATCH TYPE OF PIPE SPECIFIED ON PLAN/PROFILE OR SUMMARY OF DRAINAGE STRUCTURES.

THE MANUFACTURER SHALL BE RESPONSIBLE FOR THE PLACEMENT OF ALL PICK-UP AND HANDLING DEVICES.

AFTER PLACEMENT OF PIPE, THE OPENING AROUND PIPE SHALL BE FILLED WITH FLEXIBLE PLASTIC JOINT MATERIAL.

DIMENSIONS RELATING TO REINFORCED STEEL ARE TO BAR CENTERS.

ELEVATION



END ELEVATION

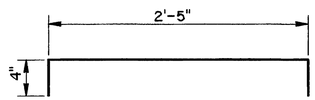
SECTION P-P

NOTE: 4½" UNIFORM WALLS MAY BE USED AT SUPPLIER'S OPTION.

NOT TO BE USED WHERE SUBJECT TO VEHICULAR TRAFFIC.

NOTE: STANDARD PLAN MC-01 (DETAILS OF GRATES, FRAMES, SEATS, LIDS, ETC.) MAY BE OBTAINED FROM:

HYDRAULICS SECTION
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
P.O. BOX 94245
CAPITOL STATION
BATON ROUGE, LA 70804



#4 BAR A

SHEET NUMBER

PARISH	FEDERAL PROJECT	STATE PROJECT

DESIGNED CDJ	DETAILED KAJ	DATE 1-30-80
CHECKED	CHECKED WMR	SHEET 1 OF 1

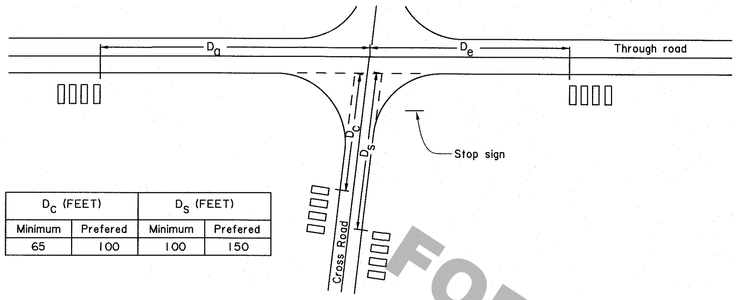
BY	REVISION DESCRIPTION	DATE	APPROVED BY CHIEF ENGINEER
WMR	Redrafted Original Standard	11-2-00	

DATE: 11-2-00

PRECAST OPEN TOP CATCH BASIN
MAX. PIPE: 15" DEPTH: MINIMUM
TO BE USED IN CONJUNCTION WITH
STANDARD PLAN MC-01.

STANDARD PLAN CB-04

HYDRAULICS SECTION



D_c (FEET)		D_s (FEET)	
Minimum	Prefered	Minimum	Prefered
65	100	100	150

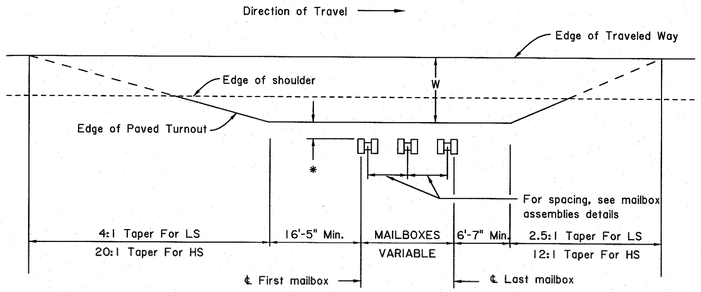
Through Road Speed (M.P.H.)	D_a (FEET)		D_e (FEET)		
	$n\ V_c\ V_m \leq 4000$	$n\ V_c\ V_m > 4000$	$\frac{V_c}{1.5n-.5} \leq 50$	$50 < \frac{V_c}{1.5n-.5} \leq 400$	$\frac{V_c}{1.5n-.5} > 400$
35	65	200	65	100	100
≥ 55	65	295	150	150	200

V_c = Average daily traffic on cross road (vehicles per day)

V_m = Average daily traffic on through road (vehicles per day)

n = Number of mailboxes at mail stop

MINIMUM CLEARANCES TO NEAREST MAILBOX IN MAIL STOPS AT INTERSECTIONS



LS = A Minimum Design for Roads Carrying Low-Speed Traffic and for Local and Collector Roads.
HS = For Roads Carrying High-Speed Traffic.
W = For Suggested Widths, see Table Below.
MAILBOXES = A Minimum Design for Roads Carrying Low-Speed Traffic and for Local and Collector Roads.
* = For Mailbox Face Offset, see Table Below, 0" - 12".

DETAIL OF MAILBOX TURNOUT

*** Suggested Guidelines for Lateral Placement of Mailboxes**

Highway Type and ADT (vpd)	Width of All-Weather Surface Turnout or Available Shoulder At Mailbox[a] (ft)		Distance Roadside Face of Mailbox is to be Offsset Behind Edge of Turnout or Usable Shoulder (in)	
	Preferred	Minimum	Preferred	Minimum
Rural Highway Over 10,000	12	8	6 to 8	0
Rural Highway 1,500 to 10,000	12	8		
Rural Highway 400 to 1,500	10	8		6[c]
Rural Highway Over 10,000	8	6[b]		
Residential Street Without Curb or All-Weather Shoulder	6	0		
Curbed Residential Street	Not Applicable		8 to 12[d]	6[d]

Notes: ADT = average daily traffic
vpd = vehicles per day

a) If increase access is needed, the following may be considered in conjuction with the local postmaster:
- Provide a level clear space 30 in. by 48 in. centered on the box for either side or forward approach.
- Provide an accessible passage to and from the mailbox and project into a circulation route--no more than 4 in. if between 28 in. and 80 in.-- so that the mailbox does not become a protruding object for pedestrians with impaired vision.

b) Provide an accessible passage to and from the mailbox. The mailbox projection into a circulation route shall not be more than 4 in., so that the mailbox does not become a protruding object for pedestrians with impaired vision.
c) If a turnout is provided, this may be reduced to zero.
d) Behind traffic-face of curb.

Notes:

No mailbox will be permitted where access is obtained from the lanes of a freeway or where access is otherwise prohibited by law or regulation.

Mailboxes shall be located on the right-hand side of the roadway in the direction of delivery route except on one-way streets where they may be placed on either side. The bottom of the box shall be set at an elevation (H) established by the U.S. Postal Service, usually between 3'4" and 4'0" above the roadway surface. The roadside face of the box shall be offset from the edge of the traveled way, see the Suggested Guidelines for Lateral Placement of Mailboxes at left.

All mailbox installations must conform to the requirements of the U.S. Postal Service.

Where a mailbox is located at a driveway entrance, it shall be placed on the far side of the driveway in the direction of the delivery route. For location of mailboxes at an intersecting roadway, see detail at left.

Mailboxes shall be of light sheet metal or plastic construction manufactured by an approved manufacturers conforming to the requirements of the U.S. Postal Service. Mailboxes must be full-scale crash tested in accordance with the latest edition of MASH. Newspaper delivery boxes shall be of light sheet metal or plastic construction of minimum dimensions suitable for holding a newspaper.

Manufacturers whose mailboxes have been approved by the Postmaster General will be listed in the Postal Operation Manual (POM) and published in the Postal Bulletin.

No more than two mailboxes may be mounted on a support structure unless the support structure and mailbox arrangement have been shown to be safe by crash testing in accordance with the latest edition of MASH. However, lightweight newspaper boxes may be mounted below the mailbox on the side of the mailbox support.

Mailbox supports shall not be set in concrete unless the support design has been shown to be safe by crash testing in accordance with the latest edition of MASH when so installed.

Posts shall be strong enough to support the box, but capable of bending when struck by an automobile or a light truck. Maximum strength posts are either a metal post with a strength no greater than a 2" diameter standard strength steel pipe or a 2#/ft flanged channel or a 4"x4" wooden post. Posts are acceptable mailbox supports when embedded no more than 24" into the ground. A metal post shall not be fitted with an anchor plate, but may have an anti-twist device that extends no more than 10" below the ground surface.

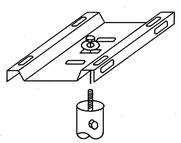
The post-to-box attachment shall be of sufficient strength to prevent the box from separating from the post top if the installation is struck by an automobile or light truck.

The minimum spacing between the centers of support posts shall be three-fourths the height of the posts above the ground line

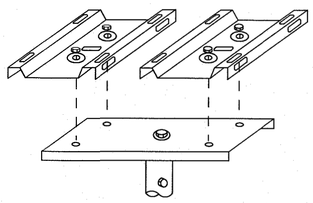
Mailbox support designs not detailed will be acceptable if full-scale crash tested in accordance with the latest edition of MASH and if approved by the engineer.

For post-to-box attachment details, see sheet 2 of 2.

MASH - Manual for Assessing Safety Hardware.

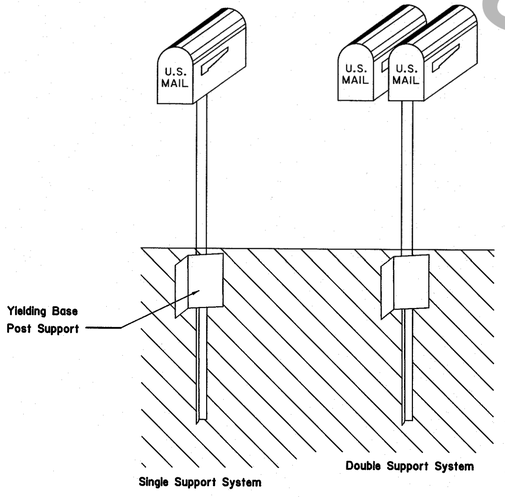


SINGLE MAILBOX MOUNT



DOUBLE MAILBOX MOUNT

SINGLE AND DOUBLE
MAILBOX MOUNTS
SERIES C



EXAMPLES OF
SINGLE AND DOUBLE MAILBOX INSTALLATIONS ⊗
SERIES C

⊗ Note: Support frame and foundation shown are proprietary products.

SHEET NUMBER

PARISH | CONTROL SECTION | STATE PROJECT

DESIGNED H. VU
CHECKED S. ARDOIN
DETAILED H. VU
CHECKED S. ARDOIN
DATE MAY 2017
SHEET 1 OF 2

REVISION DESCRIPTION | BY | DATE: 8-25-17

DATE
APPROVED BY
CHIEF ENGINEER: Dennis P. Williams

STATE OF LOUISIANA

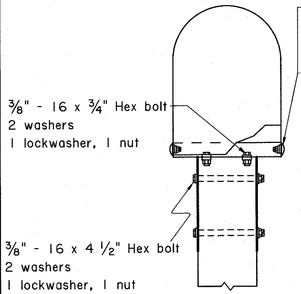
MAILBOX INSTALLATION DETAILS

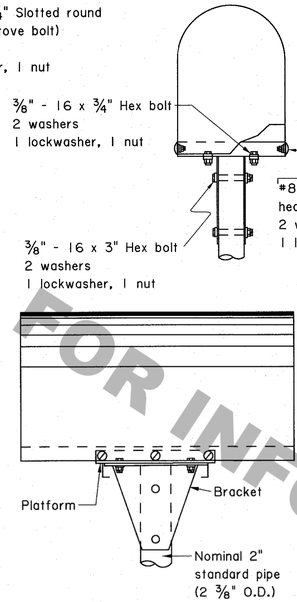
MB-01

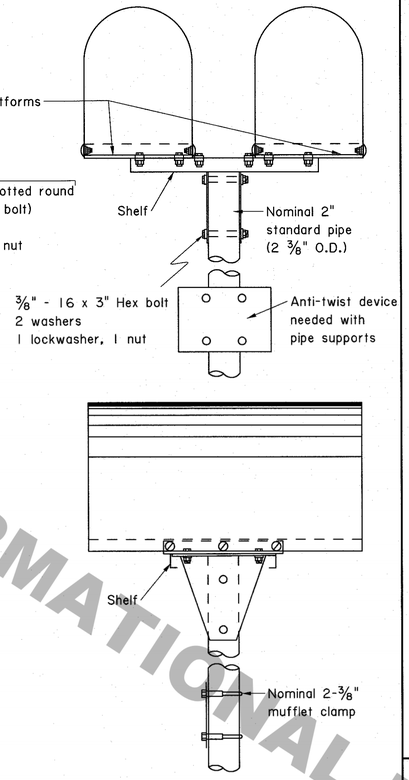
DOTD ROAD DESIGN

STATE OF LOUISIANA
HAI D. VU
REG. No. 34755
REGISTERED PROFESSIONAL ENGINEER IN CIVIL ENGINEERING

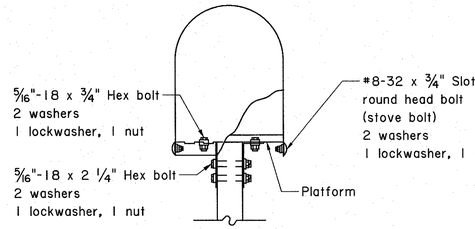
8/28/17

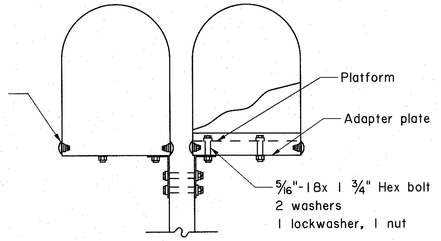


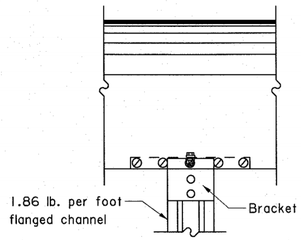


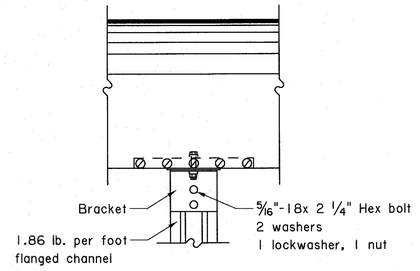


SINGLE AND DOUBLE
MAILBOX ASSEMBLIES
SERIES A

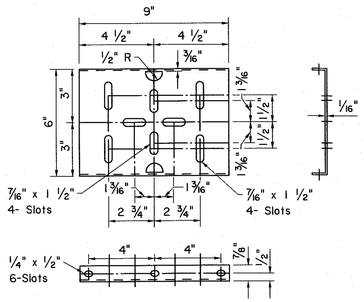




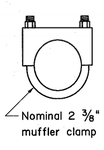


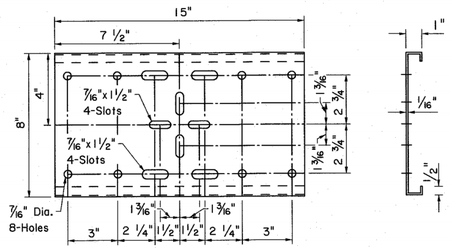


SINGLE AND DOUBLE MAILBOX ASSEMBLIES
SERIES B

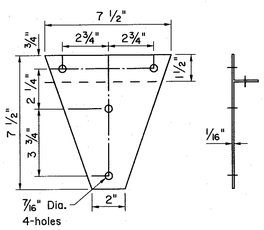


PLATFORM



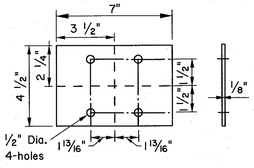


SHELF



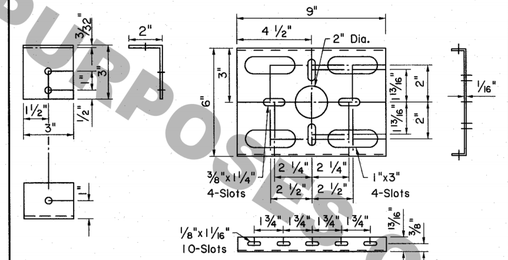
BRACKET

CLAMP

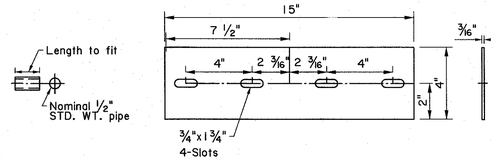


ANTI-TWIST DEVICE

MAILBOX SUPPORT HARDWARE SERIES A

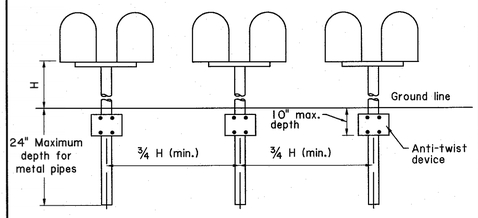


BRACKET PLATFORM

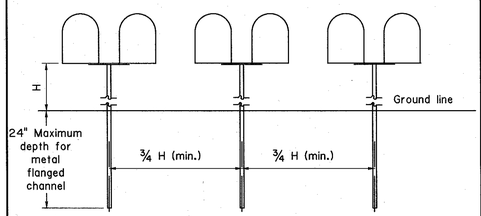


SPACER ADAPTER PLATE

MAILBOX SUPPORT HARDWARE
SERIES B



SPACING FOR MULTIPLE POST INSTALLATION
SERIES A



SPACING FOR MULTIPLE POST INSTALLATION
SERIES B

STATE OF LOUISIANA
HAI D. VU
REG. No. 34755
REGISTERED
PROFESSIONAL
ENGINEER
IN
CIVIL ENGINEERING
8/28/17

SHEET NUMBER	
PARISH	
CONTROL SECTION	
STATE PROJECT	
DESIGNED H. VU	
CHECKED S. ARDOIN	
DETAILED H. VU	
CHECKED S. ARDOIN	
DATE SHEET	MAY 2017 2 OF 2

REVISION DESCRIPTION BY DATE: 8-25-17

DATE APPROVED BY CHIEF ENGINEER: Janice P. Williams

STATE OF LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

MAILBOX INSTALLATION DETAILS MB-01

DOTD ROAD DESIGN