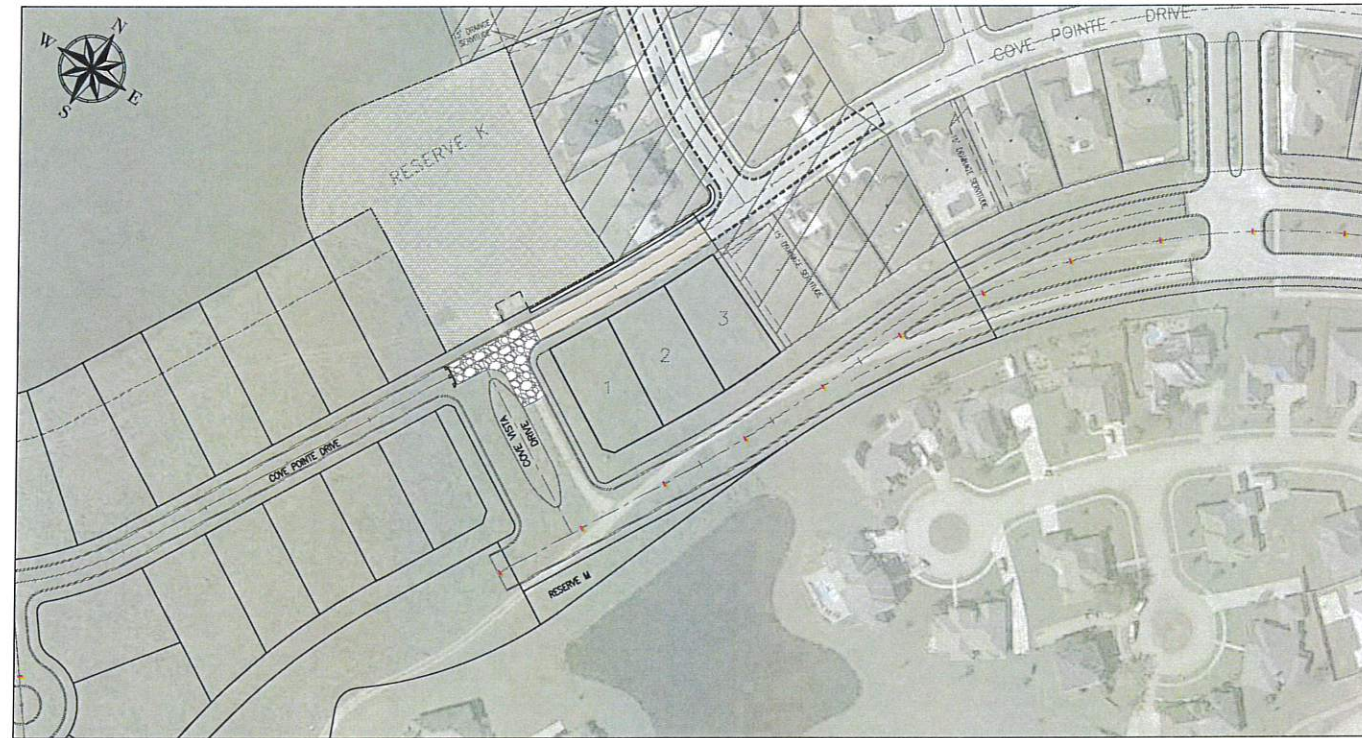


VICINITY MAP
SCALE: 1" = 2000'

LEGEND

| SHEET NO. | DESCRIPTION |
|-----------|---|
| 1. | TITLE SHEET |
| 2. | PRELIMINARY PLAT (GASSEN SURVEYING LLC) |
| 3. | DEMOLITION PLAN |
| 4. | GEOMETRY PLAN |
| 5. | DRAINAGE PLAN |
| 6. | POLE PLAN FOR STREET LIGHTING SYSTEM |
| 7. | MASTER WATER PLAN |
| 8. | MASTER SEWER PLAN |
| 9. | PLAN & PROFILE |
| 10. | TYPICAL STREET SECTIONS AND DETAILS |
| 11. | GENERAL NOTES |
| 12. | TYPICAL ROADWAY DETAIL |
| 13. | DRAINAGE STANDARD DETAILS |
| 14. | CONFLICT BOX DETAILS |
| 15. | SEWER DETAILS |
| 16. | WATER DETAILS |



SCALE: 1" = 200'

PROJECT PLANS FOR: ASHTON PHASE 2B ADDENDUM #1

DATE: MAY 30, 2024



MATTHEW JEWELL
PRESIDENT - ST. CHARLES PARISH

ST. CHARLES COUNCIL

MICHAEL A. MOBLEY
COUNCILMAN AT LARGE, DIVISION A

HOLLY FONSECA
COUNCILWOMAN AT LARGE, DIVISION B

LA SANDRA D. WILSON
DISTRICT I

HEATHER SKIBA
DISTRICT II

WALTER PILIÉ
DISTRICT III

WILLIE COMARDELLE
DISTRICT IV

MICHELLE O'DANIELS
DISTRICT V

BOB FISHER
DISTRICT VI

MICHELE DEBRULER
DISTRICT VII

MILES BINGHAM
DIRECTOR - ST. CHARLES PARISH
DEPARTMENT OF PUBLIC WORKS

APPROVAL
[Signature]
Date 9-18-24
PLANNING & ZONING DIRECTOR

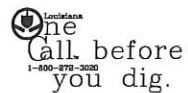
DANNY J. HEBERT, P.E.
CIVIL AND ENVIRONMENTAL CONSULTING ENGINEERS
P.O. BOX 1528
LULING, LOUISIANA 70070



Civil & Environmental Consulting Engineers
Danny J. Hebert, P.E., L.L.C.
www.hebertengineering.com
(985) 785-2380

| | | | |
|--|----------------------|------------------|--|
| ASHTON PHASE 2B ADDENDUM #1 ST. CHARLES PARISH, LOUISIANA | | | |
| TITLE SHEET | | | |
| DANNY J. HEBERT, P.E. CIVIL AND ENVIRONMENTAL CONSULTING ENGINEERS 14433 RIVER ROAD, HAHNVILLE, LOUISIANA 70057 PHONE: (985) 785-2380 | | | |
| DATE: 05/30/24 | PLOT SCALE: AS-SHOWN | DRAWING NO. 1 | |
| DESIGNED BY: MAJ | DRAWN BY: ISB | APPROVED BY: MAJ | |
| CHECKED BY: DJH | CHECKED BY: MAJ | | |

| DATE | DESCRIPTION | NO. |
|------|-------------|-----|
| | REVISIONS | |



Note: "Prior to construction, the contractor will verify all utilities." If a conflict exist, notify the project engineer/architect.

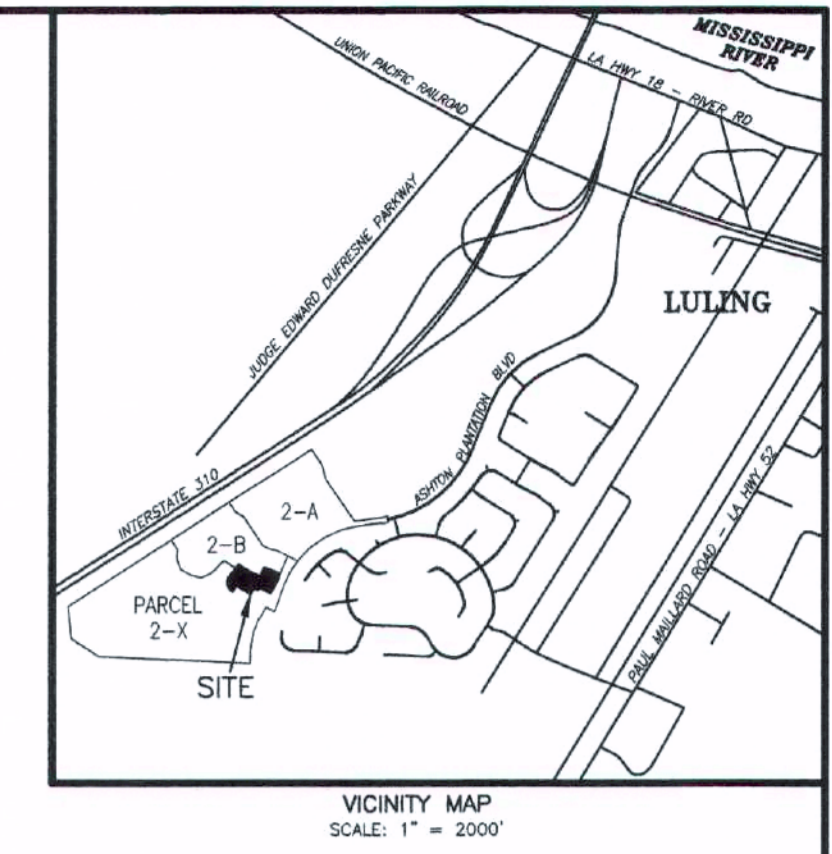
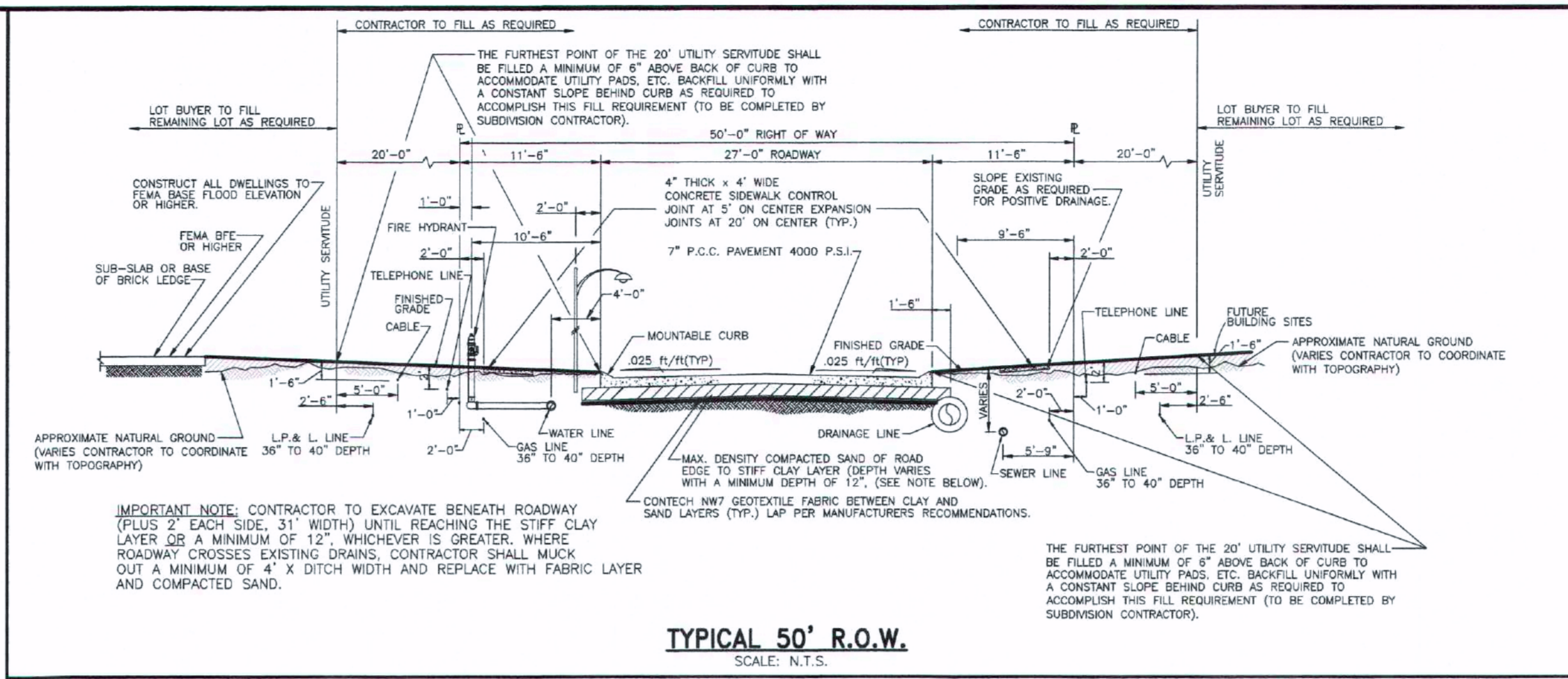
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| ADJOINING PROPERTY OWNERS | | | | |
|---------------------------|-----------------------------|-----------------------|-------------------------|------------------|
| LOT/SQ | SUBDIVISION | OWNER NAME | OWNER ADDRESS | OWNER CITY |
| LOT 4, SQ. 11 | ASHTON PLANTATION PHASE 2-B | GALO-PARRILLA, MARIA | 4118 PLATT STREET | KENNER, LA 70085 |
| LOT 69, SQ. 11 | ASHTON PLANTATION PHASE 2-B | MAIDOH, BENEDICT N. | 113 MOONLIGHT COVE LANE | LULING, LA 70070 |
| LOT 70, SQ. 11 | ASHTON PLANTATION PHASE 2-B | Mc ASKILL, TIMOTHY R. | 109 MOONLIGHT COVE LANE | LULING, LA 70070 |
| LOT 71, SQ. 11 | ASHTON PLANTATION PHASE 2-B | JARRIEAU, DARRIN R. | 106 MOONLIGHT COVE LANE | LULING, LA 70070 |
| LOT 72, SQ. 11 | ASHTON PLANTATION PHASE 2-B | MIGUEZ, TANNER S. | 101 MOONLIGHT COVE LANE | LULING, LA 70070 |

| CURVE TABLE | | | | |
|-------------|------------|---------|--------------|-----------------|
| CURVE NO. | ARC LENGTH | RADIUS | CHORD LENGTH | CHORD DIRECTION |
| C1 | 99.21 | 795.00 | 99.14 | S26°54'10"W |
| C2 | 147.01 | 1525.00 | 146.95 | S27°42'58"W |
| C3 | 143.89 | 1500.00 | 143.83 | N27°43'46"E |
| C4 | 140.77 | 1475.00 | 140.71 | N27°44'37"E |
| C5 | 7.01 | 1525.00 | 7.01 | N30°20'45"E |
| C6 | 70.00 | 1525.00 | 69.99 | N28°53'58"E |
| C7 | 70.00 | 1525.00 | 69.99 | N26°16'10"E |
| C8 | 39.31 | 795.00 | 39.31 | S24°44'40"W |
| C9 | 59.89 | 795.00 | 59.88 | S28°19'10"W |
| C10 | 42.25 | 1475.00 | 42.25 | S29°39'25"W |
| C11 | 168.28 | 100.00 | 149.11 | N11°18'50"W |
| C12 | 112.93 | 480.00 | 112.67 | S59°50'44"E |

| LINE TABLE | | |
|------------|-------------|----------|
| LINE NO. | DIRECTION | DISTANCE |
| L1 | S75°28'39"W | 14.14 |

| AREA TABLE | | |
|------------|---------|------------------|
| LOT NO. | SQ. NO. | AREA |
| 1 | SQ 11 | 9,170.91 SQ. FT. |
| 2 | SQ 11 | 9,672.83 SQ. FT. |
| 3 | SQ 11 | 9,733.71 SQ. FT. |

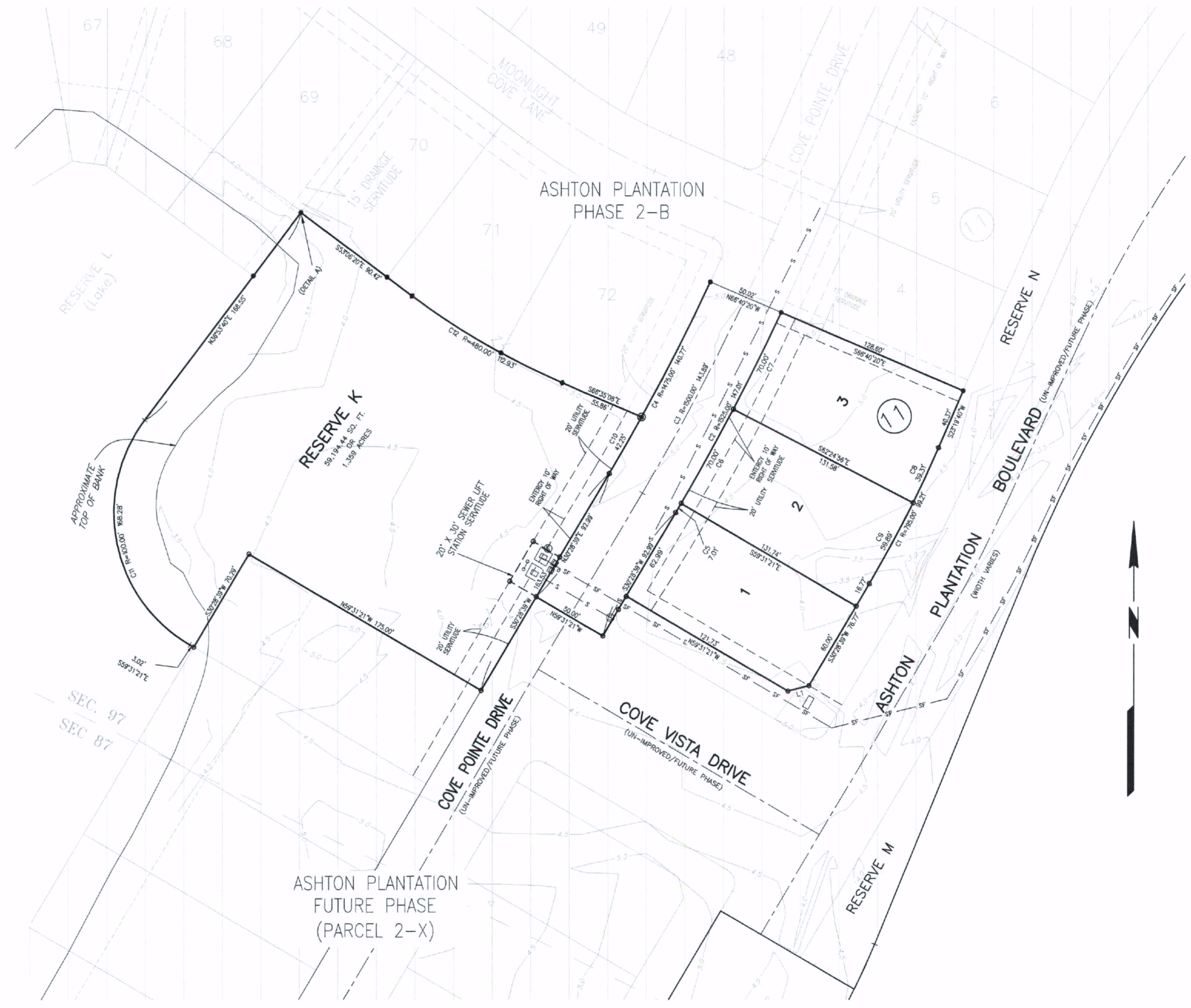
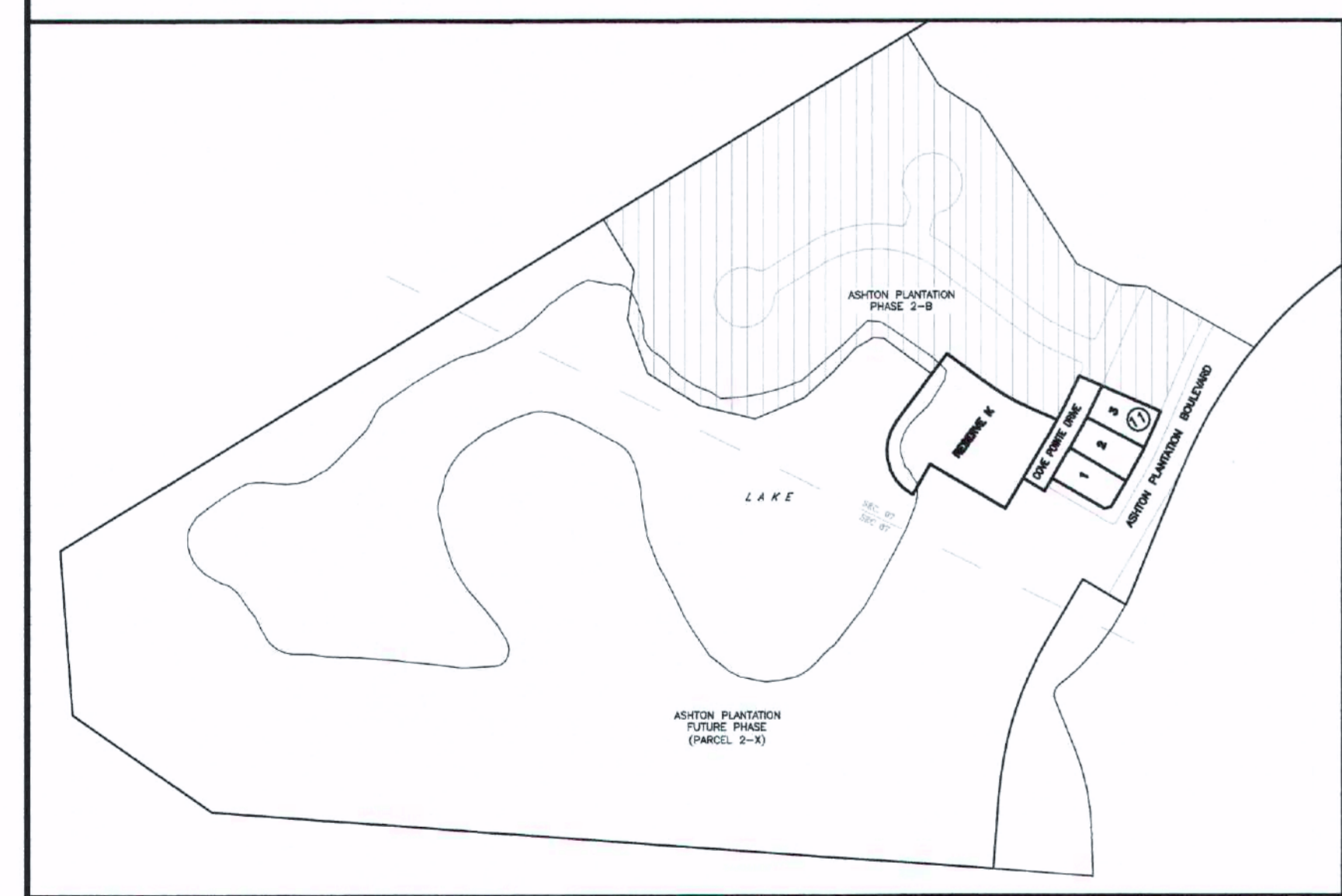
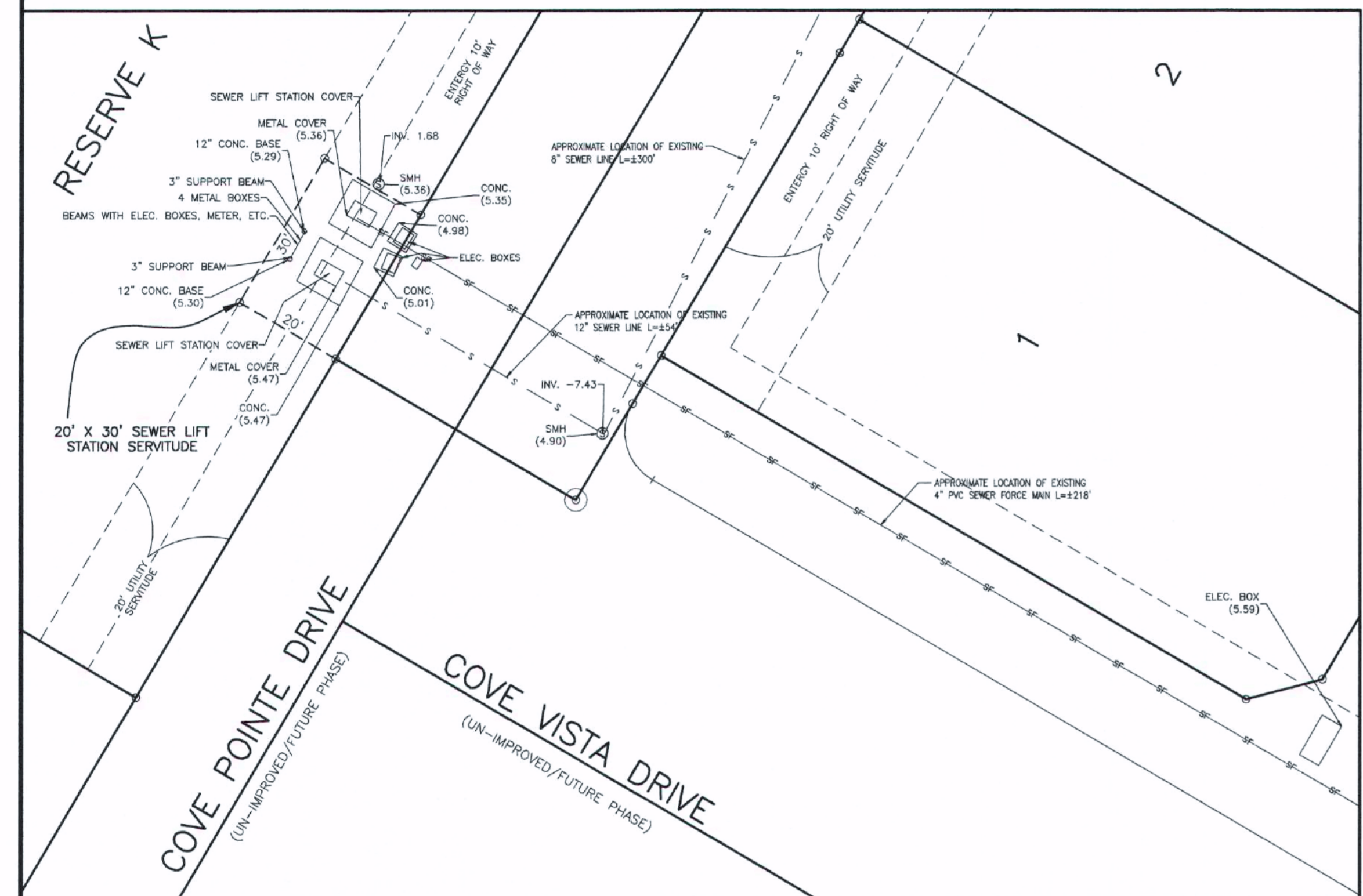


APPROVALS:

St. Charles Parish Planning and Zoning Commission Chairman _____ Date _____

St. Charles Parish Council Chairman _____ Date _____

St. Charles Parish President _____ Date _____



"ST. CHARLES PARISH LAND USE REGULATIONS, INCLUDING SETBACK STANDARDS, SUPERSEDE PRIVATE SUBDIVISION COVENANTS WHERE PARISH REGULATIONS ARE MORE RESTRICTIVE."

DEDICATION:
THE RIGHT OF WAY OF STREETS SHOWN HEREON, IF NOT PREVIOUSLY DEDICATED, IS HEREBY DEDICATED TO THE PERPETUAL USE OF THE PUBLIC FOR USE OF UTILITIES, DRAINAGE, SEWERAGE REMOVAL, OR OTHER PROPER PURPOSE FOR THE GENERAL USE OF THE PUBLIC. NO BUILDING STRUCTURE OR FENCE SHALL BE CONSTRUCTED NOR SHRUBBERY PLANTED WITHIN THE LIMITS OF ANY SERVITUDE SO AS TO PREVENT OR UNREASONABLY INTERFERE WITH ANY PURPOSE FOR WHICH THE SERVITUDE IS GRANTED.

SEWERAGE DISPOSAL:
NO PERSON SHALL PROVIDE A METHOD OF SEWERAGE DISPOSAL, EXCEPT CONNECTION TO AN APPROVED SANITARY SEWER SYSTEM, UNTIL THE METHOD OF TREATMENT AND DISPOSAL HAS BEEN APPROVED BY THE LOUISIANA DEPARTMENT OF HEALTH OR MODERN EQUIVALENT.

LOUIS M. ANDOLSEK, JR., MANAGER

OWNER/DEVELOPER:
ASHTON PLANTATION ESTATES, LLC
P. O. BOX 157
HARVEY, LOUISIANA 70059
LOUIS M. ANDOLSEK, JR.

(PRELIMINARY PLAT)
ASHTON PLANTATION
PHASE 2-B
ADDENDUM NO. 1
(INTO LOTS 1, 2 & 3, SQUARE 11
AND RESERVE K)
IN SECTION 97, T13S - R20E
LULING, ST. CHARLES PARISH, LOUISIANA
SCALE: 1" = 50'

REFERENCE PLAN:
(FINAL PLAT) ASHTON PLANTATION PHASE 2-B
(INTO LOTS 4, 5, 6, 48 THROUGH 72, SQ. 11)
BY GASSEN SURVEYING, LLC, LOUIS J. GASSEN
JR., PLS., DATED FEBRUARY 26, 2020

THE SERVITUDES SHOWN ON THIS PLAN ARE LIMITED TO THOSE FURNISHED US AND THERE IS NO REPRESENTATION THAT ALL APPLICABLE SERVITUDES ARE REFLECTED OR SHOWN HEREON. THE SURVEYOR HAS MADE NO TITLE SEARCH OR PUBLIC RECORD SEARCH IN COMPILING DATA FOR THIS PLAN.

LEGEND
● = 1/2" IRON ROD IN CONC. FOUND
○ = 1/2" IRON ROD FOUND
○ = 1/2" IRON ROD SET

BEARINGS ARE BASED ON PLAN BY KREBS, LISALLE, LEMOIX CONSULTANTS, C. HANCOCK, DIXON, P.L.S., DATED MAY 22, 2007

This is to certify that I have consulted the Flood Insurance Rate Maps and found that this property is in Zone AE.

OCTOBER 10, 2023
REVISED FEBRUARY 6, 2024
REVISED MARCH 7, 2024



I certify that this plat represents an actual ground survey performed by myself or under my supervision and is in accordance with the Louisiana standards of practice for a Class C survey.

LOUIS J. GASSEN JR., PLS.
Registration No. 4945
(985) 785-0745
1026 Gassen Street
Luling, Louisiana 70070

GASSEN SURVEYING, LLC



LEGEND



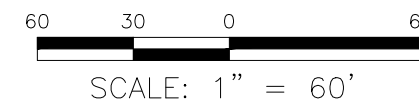
REMOVE 6" MIN. OF EXISTING TOPSOIL TO STIFF CLAY LAYER OR AS REQ'D TO MEET THE PROPOSED STREET ELEVATIONS AND SLOPE. EXCAVATION/ GRADING SHALL EXTEND 18" FROM THE EDGE OF THE ROAD. FILL WITH 12" MIN. OF COMPACTED PUMPED RIVER SAND.

GENERAL DEMOLITION NOTES:

SUBGRADE PREPARATION. THE EXISTING GROUND SURFACE IN THE DEMOLITION AREAS SHOULD BE STRIPPED OF ALL ROOTS, VEGETATION, LOOSE TOPSOIL, DEBRIS, ORGANIC MATTER, AND ANY OTHER DELETERIOUS MATERIALS. STRIPPING SHOULD BE TO THE MINIMUM DEPTH NECESSARY, APPROXIMATELY 6" INCHES, TO REACH FIRM UNDISTURBED SOIL. AFTER STRIPPING, THE AREAS SHALL BE COMPLETELY PROOF ROLLED (ENGINEER SHALL WITNESS) WITH AN EMPTY BED TANDEM TRUCK AS REQUIRED TO IDENTIFY ANY POTENTIAL "LOCAL" WEAK SPOTS. ANY WEAK AREAS IDENTIFIED BY THE ENGINEER, SHALL BE UNDERCUT WITH 18" OF COMPACTED CLAY/ SAND. THIS PROOF ROLLING SHALL BE REPEATED WITH A "LOADED" TANDEM (±20 TONS) UNTIL ALL LOCAL WEAK SPOTS (IF ANY) ARE IDENTIFIED AND REPAIRED. ALL PROOF ROLLING SHALL OCCUR DURING DRY WEATHER/ DRY GROUND CONDITIONS ONLY. AFTER PROOF ROLLING AND GRADING, AREAS SHALL BE COMPACTED TO ACHIEVE DESIGN GRADES IN 6" COMPACTED LIFTS USING PUMPED RIVER SAND. SAND SHALL BE COMPACTED TO 95% OF THE MAX DENSITY AS DETERMINED BY A STANDARD PROCTOR TEST. SPREAD APPROVED BORROW MATERIAL ON-SITE AT A LOCATION APPROVED BY THE OWNER.

1. THE CONTRACTOR SHALL KEEP PREMISES CLEAN DURING CONSTRUCTION. TRASH SHALL NOT BE ALLOWED TO ACCUMULATE AT THE SITE DURING CONSTRUCTION.
2. PERFORM ALL WORK IN ACCORDANCE WITH APPLICABLE SAFETY CODES AND STANDARDS.
3. PERFORM ALL WORK IN A SAFE AND ORDERLY MANNER, AVOIDING HAZARDOUS CONDITION WHEREVER POSSIBLE.
4. REMOVE ANY OTHER ITEMS NOT INDICATED BUT WHICH MUST BE DEMOLISHED TO COMPLETE PROJECT AS DESIGNATED BY SITE PLAN.
5. BARRICADE OPEN EXCAVATIONS OCCURRING AS PART OF THIS WORK.
6. CONTRACTOR SHALL CONSULT ALL UTILITY COMPANIES AND VERIFY LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO DEMOLITION. REMOVAL AND RELOCATION OF ALL UTILITY LINES, METERS, VALVES ETC. SHALL BE PERFORMED PER THE REQUIREMENTS OF THE UTILITY COMPANIES AND PAID FOR BY THE CONTRACTOR. ANY DAMAGE TO PUBLIC UTILITIES SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CORRECT.

7. ONSITE SOIL MAY BE CONSIDERED AS ACCEPTABLE FILL FOR THE MEDIANS ONLY IF ALL DEBRIS AND ORGANIC MATERIAL IS REMOVED.
8. ALL BORROW MATERIAL SHALL BE SPREAD ON SITE.
9. PROTECT VEGETATION, STRUCTURES, UTILITIES, PAVEMENTS AND OTHER FACILITIES TO REFRAIN FROM DAMAGE CAUSED BY SITE CLEARING, DEMOLITION AND NEW CONSTRUCTION.
10. REMOVE ALL WASTE MATERIALS AND DEBRIS FROM THE SITE AND LEGALLY DISPOSE OF IT.
11. DEMOLISH AND REMOVE ALL FOUNDATIONS, WALLS, CURBS, SIDEWALKS, PAVEMENT AND OTHER ITEMS NECESSARY FOR THE COMPLETION OF THE WORK AS INDICATED.
12. ALL DEMOLITION AND CONSTRUCTION TO BE KEPT WITHIN THE BOUNDARIES OF THE SITE OR AS DESIGNATED. ANY DAMAGE BY THE CONTRACTOR TO ADJOINING PROPERTIES OR ITEMS NOT IN THE DESIGNATED DEMOLITION AREA SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CORRECT.
13. PROTECT ALL EXISTING TREES, PLANTING AND LAWNS FROM DAMAGE. ALL STREET SIGNS, SIGNS, FENCES, SHRUBBERY, ETC. RELOCATED DURING CONSTRUCTION SHALL BE RETURNED TO THEIR ORIGINAL LOCATION AND IN ORIGINAL CONDITIONS.
14. EXISTING UTILITY LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE. CONTRACTOR SHALL MAKE PROVISIONS TO PROTECT EXISTING UTILITIES WHEN EXCAVATING IN THESE AREAS SO AS NOT TO DAMAGE OR DISRUPT THESE UTILITIES. CONTRACTOR SHALL FIELD VERIFY LOCATION OF UTILITIES PRIOR TO EXCAVATION.



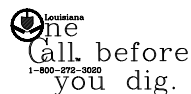
**ASHTON PHASE 2B
ADDENDUM #1
ST. CHARLES PARISH, LOUISIANA**

DEMOLITION PLAN

DANNY J. HEBERT, P.E.
CIVIL AND ENVIRONMENTAL CONSULTING ENGINEERS
14433 RIVER ROAD, HAHNVILLE, LOUISIANA 70057
PHONE: (985) 785-2380

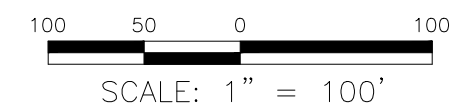
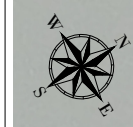
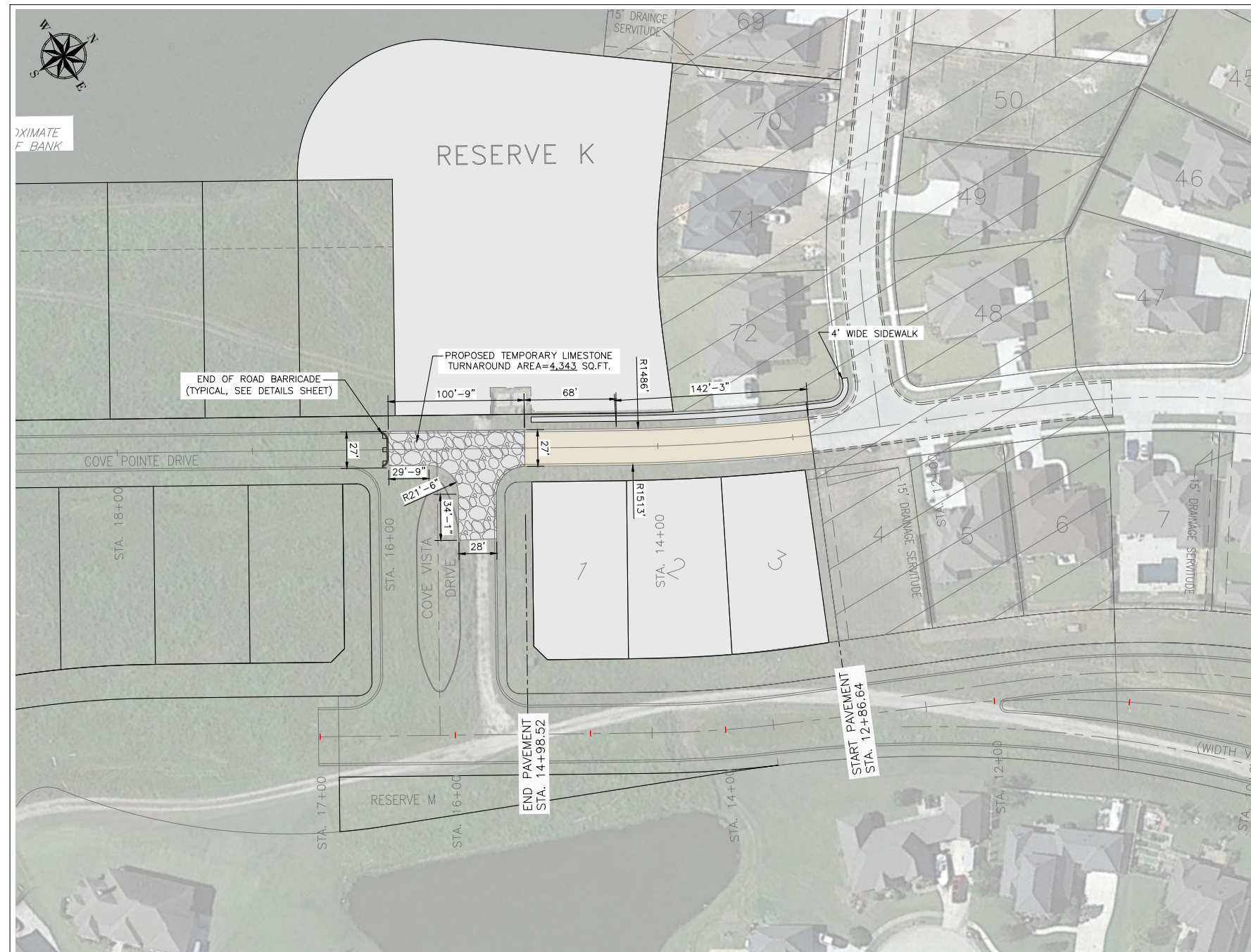
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| CHECKED BY: DJH | CHECKED BY: MJJ | APPROVED BY: MJJ |

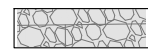




Note: "Prior to construction, the contractor will verify all utilities." If a conflict exist, notify the project engineer/architect.

THIS LINE IS ONE INCH LONG WHEN PLOTTED FULL SCALE



LEGEND

-  PROPOSED TEMPORARY LIMESTONE TURNAROUND
-  NEW 8" THICK CONCRETE ROAD (4,000 PSI) A= 5,722.03 SQ.FT.
-  NEW 4' WIDE SIDEWALK (4" THICK, 4,000 PSI) A= 987.79 SQ.FT.



Civil & Environmental Consulting Engineers
 Danny J. Hebert, P.E., L.L.C.
 www.hebertengineering.com
 (985) 785-2380

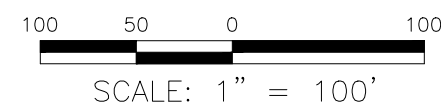
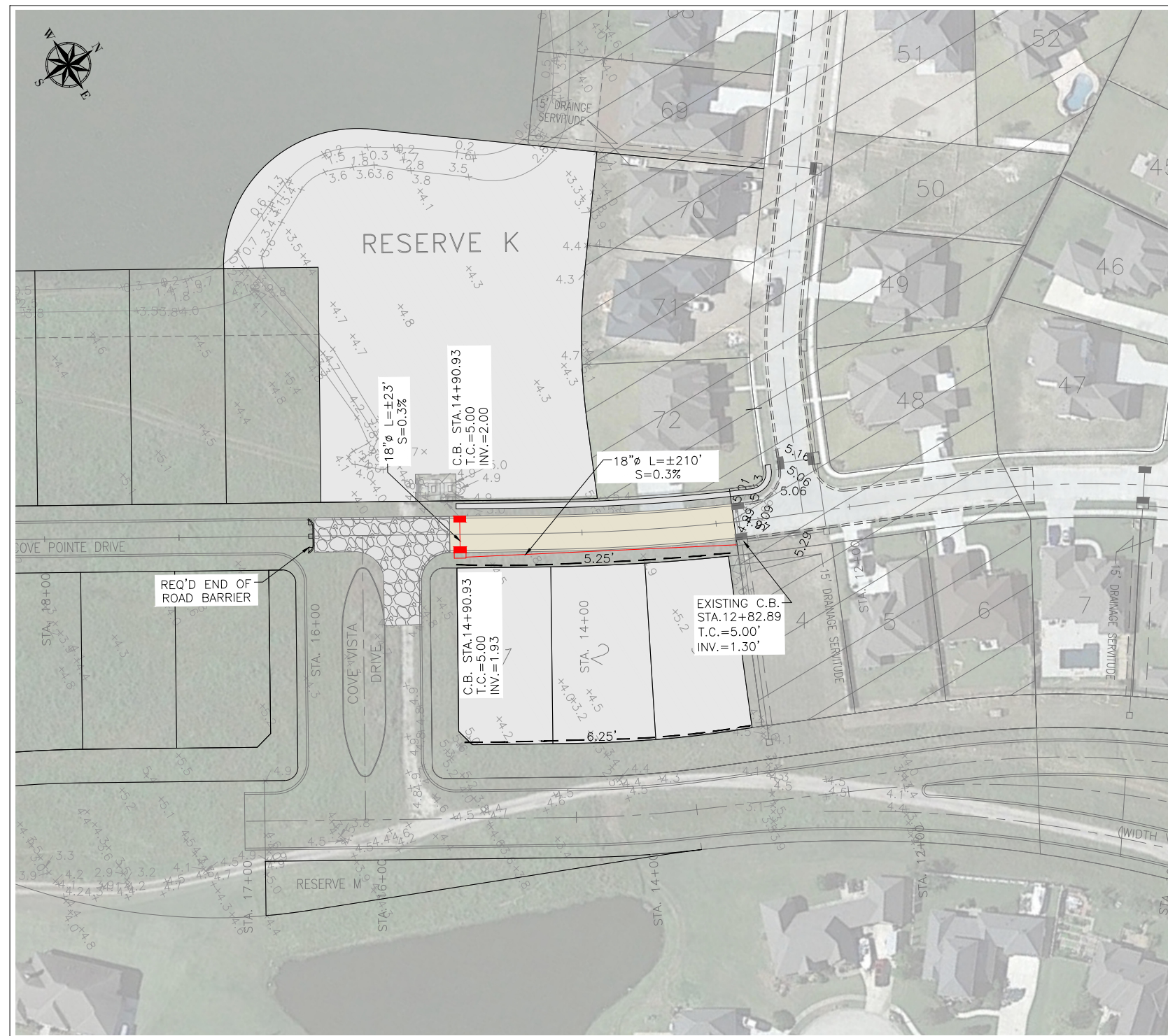
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| ASHTON PHASE 2B ADDENDUM #1 | | |
| ST. CHARLES PARISH, LOUISIANA | | |
| GEOMETRY PLAN | | |
| DANNY J. HEBERT, P.E. CIVIL AND ENVIRONMENTAL CONSULTING ENGINEERS 14433 RIVER ROAD, HAHNVILLE, LOUISIANA 70057 PHONE: (985) 785-2380 | | |
| DATE: 05/30/24 | PLOT SCALE: AS-SHOWN | DRAWING NO. 4 |
| DESIGNED BY: MJJ | DRAWN BY: ISB | CHECKED BY: MJJ |
| CHECKED BY: DJH | CHECKED BY: MJJ | APPROVED BY: MJJ |

| DATE | DESCRIPTION | NO. |
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| 08/19/24 | REV. PER SCP | 1 |
| REVISIONS | | |

Call before you dig.
 1-800-872-8000
 Note: "Prior to construction, the contractor will verify all utilities." If a conflict exist, notify the project engineer/architect.

THIS LINE IS ONE INCH LONG WHEN PLOTTED FULL SCALE

1. ROUND CONCRETE PIPE SHALL CONFORM IN ALL RESPECTS TO THE LATEST SPECIFICATIONS OF ASTM C-76, CLASS III, WALL "B" AND SHALL BE BELL AND SPIGOT WITH RUBBER "O" RING JOINTS.
2. MINIMUM DRAINAGE PIPE COVER IS 12" FROM TOP OF RIGID PAVEMENT PER MANUFACTURES REQUIREMENTS. WRAP JOINTS WITH FABRIC AND LAP 36". CONCRETE PIPE SHALL BE USED EVERYWHERE POSSIBLE.
3. ALL CATCH BASINS SHALL BE TYPE (3) THREE WITHIN CURB, SEE "DRAINAGE STANDARD DETAILS" SHEET. ALL DRAIN BASINS OUTSIDE OF CURB SYSTEM SHALL BE A "DROP INLET" TYPE AS SHOWN ON "DROP INLET DETAILS" SHEET. TOP CASTINGS OF ALL DRAIN BASINS SHALL BE FIELD ADJUSTED TO ALLOW POSITIVE DRAINAGE. PLACE DRAIN BASIN INLETS 4" BELOW TOP OF CURB EVERYWHERE POSSIBLE.
4. ALL STREET AND TRAFFIC SIGNS SHALL BE INSTALLED PER MUTCD.
5. ALL TRAFFIC AND STREET SIGNS TO BE FIELD PLACED PER ST. CHARLES PARISH PUBLIC WORKS.
6. ALL OCCUPIED STRUCTURE SLABS TO BE AT ELEVATIONS ESTABLISHED BY FEMA, OR HIGHER. ALL DRAINAGE PIPE SLOPES SHALL BE .2% UNLESS NOTED OTHERWISE.
7. OFFSET DRAINAGE PIPES TO AVOID LAYING PIPE ON PROPERTY LINES USING DRAIN BASINS AS REQUIRED.
8. ALL SIDEWALKS ARE TO SLOPE TO STREET AT INTERSECTIONS WHERE APPLICABLE USING ADA MINIMUM SLOPE (.2% MAX SIDE SLOPE).
9. REFER TO TYPICAL STREET SECTION SHEET FOR PLACEMENT LOCATION OF SIDEWALKS. SIDEWALKS TO BE SLOPED TO DRAIN TO STREET WITH NOT MORE THAN .2% SIDE SLOPE. PLACE SIDEWALK ELEVATION A MINIMUM OF 4" ABOVE CURB HEIGHT (TYP.)
10. ALL CROSS PIPES DRAINING INTO TYPE III CATCH BASINS SHALL BE 18" MINIMUM, UNLESS SPECIFIED OTHERWISE.
11. WHEREVER POSSIBLE REAR YARDS SHALL BE SLOPED TO DRAIN TOWARDS THE STREET CURB.
12. [0.00] DENOTES TYPICAL PROPOSED ELEVATION
13. ALL PAVEMENT SHALL BE 8" (MIN.) THICK.
14. CONTRACTOR TO USE RCP "ARCH" PIPE FOR ALL SECTIONS THAT HAVE LESS THAN 1' OF COVER WITH RCP ROUND PIPE.
15. REQUIRED SIDEWALKS SHALL BE INSTALLED CONCURRENT WITH THE INITIAL DEVELOPMENT OF EACH LOT OF RECORD, AND SHALL BE THE RESPONSIBILITY OF THE OWNER-OF-RECORD AT THE TIME OF THAT INITIAL CONSTRUCTION OF PERMANENT RESIDENTIAL IMPROVEMENTS.
16. THE NEW RESIDENTIAL LOTS SHALL BE FILLED TO MATCH THE EXISTING GROUND ELEVATIONS OF THE ADJACENT RESIDENTIAL LOTS.
17. THE CONTRACTOR SHALL REGRADE, SOD, AND REESTABLISH ALL DISTURBED AREAS IN THE E.O.W., ESPECIALLY BY THE NEW SIDEWALK ALONG LOT 72 AND RESERVE K.



LEGEND

| | |
|--|------------------------------|
| | TYPE 3 CATCH BASIN (TYPICAL) |
| | MODIFIED TYPE 3 CATCH BASIN |
| | PROPOSED CONTOURS |



Civil & Environmental Consulting Engineers
 Danny J. Hebert, P.E., L.L.C.
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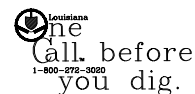
ASHTON PHASE 2B
 ADDENDUM #1
 ST. CHARLES PARISH, LOUISIANA

DRAINAGE PLAN

DANNY J. HEBERT, P.E.
 CIVIL AND ENVIRONMENTAL CONSULTING ENGINEERS
 14433 RIVER ROAD, HAHNVILLE, LOUISIANA 70057
 PHONE: (985) 785-2380

| DATE | DESCRIPTION | NO. |
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| DATE: | 05/30/2024 | PLOT SCALE: | AS-SHOWN | DRAWING NO. | 5 |
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| CHECKED BY: | DJH | CHECKED BY: | MJJ | APPROVED BY: | MJJ |

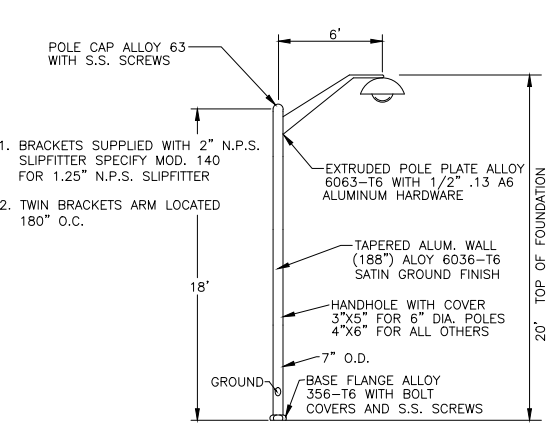
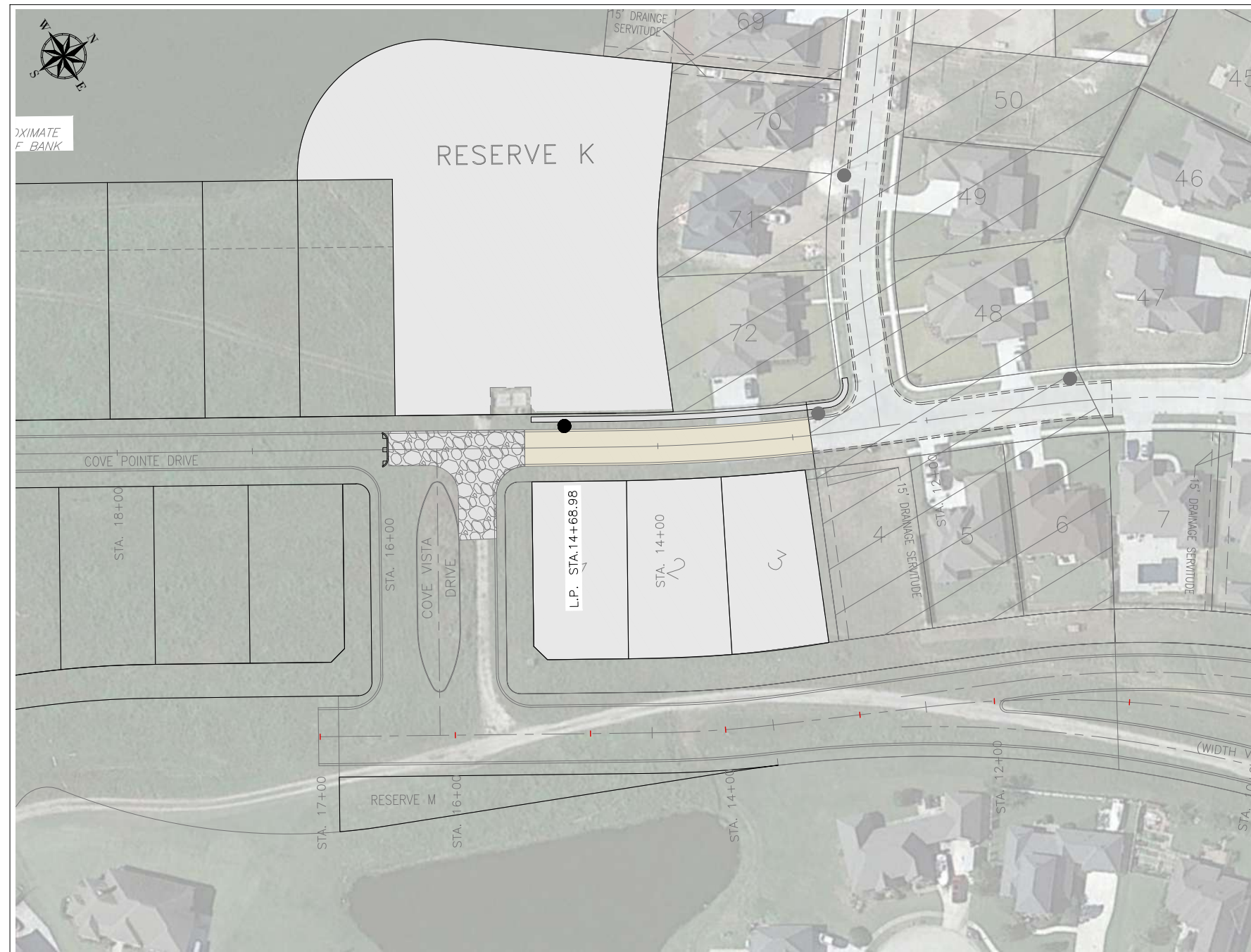


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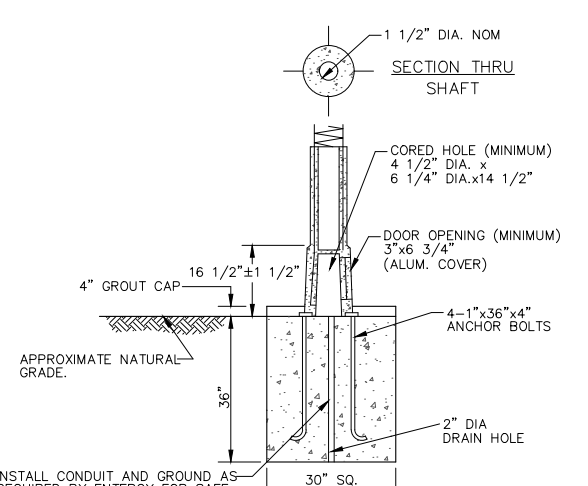
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UNDERGROUND STREET LIGHTING NOTES:

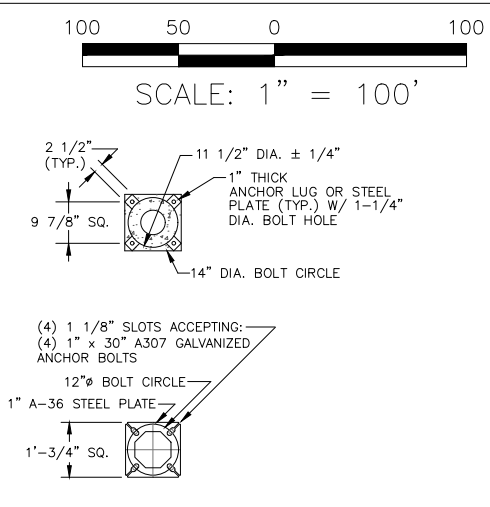
- ALL WIRING, POLES, DUCT LINE, GUY ANCHORS, APPARATUS, DEVICES, FIXTURES, EQUIPMENT AND FOUNDATIONS SHALL CONFORM TO ST. CHARLES PARISH REQUIREMENTS AND THEIR STANDARD DETAILS FOR CONSTRUCTION OF SAME. ALL WIRING SHALL BE SUBSURFACE.
- THE ELECTRICAL CONTRACTOR SHALL SECURE ALL PERMITS FOR HIS WORK AND ARRANGE FOR ALL INSPECTIONS REQUIRED UNDER PARISH REQUIREMENTS.
- THE ELECTRICAL CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, AND EQUIPMENT REQUIRED TO CONSTRUCT A COMPLETE UNDERGROUND STREET LIGHTING SYSTEM AS SHOWN IN THE PLANS, AND COMPLY WITH PARISH REQUIREMENTS.
- THE ELECTRICAL CONTRACTOR SHALL SECURE APPROVALS FOR HIS WORK IN WRITING FROM THE INSPECTING PARISH AGENCY AND PRESENT THE APPROVAL TO THE OWNER BEFORE FINAL PAYMENT.
- THE ELECTRICAL CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES AND TAKE PRECAUTIONS TO PROTECT SAME.
- REQUIRED 18' HIGH LIGHT POLE (COOPER LUMARK, 29 WATT, 4000K LUMEN, 120 TO 270 VOLT AC 50/60 HERTZ FIXTURES OR APPROVED EQUAL)
- THE ELECTRICAL ENGINEER WILL BE RESPONSIBLE FOR LOCATING PROPERTY CORNERS AND P.C.'S. ESTABLISHED BY THE PROF. LAND SURVEYOR. THE ELECTRICAL CONTRACTOR WILL BE REQUIRED TO FURNISH HIS OWN LAYOUT FOR THE LOCATION OF THE STREET LIGHT STANDARDS.
- STREET LIGHT STANDARD WILL BE SERVED FROM ENTERGY COMPANY FEED POINTS.
- A COPPER WELD GROUND ROD 5/8" DIA. X 8 FEET LONG WILL BE REQUIRED AT EACH LIGHT STANDARD.
- REFER TO THE SUBDIVISION PLAN FOR SERVIDE'S AND DIMENSIONS FOR LAYOUT.
- FOUNDATIONS TO BE IN ACCORDANCE WITH THE TYPICAL FOUNDATION PLAN FOR STREET LIGHT STANDARDS FOR ST. CHARLES PARISH.
- POLES FOR INTERNAL SUBDIVISION SHALL BE SEAMLESS SPUN ALUMINUM WITH 6' ARM AND 20' MNT HEIGHT OF FIXTURE 7" DIAMETER AT BASE TAPER TO 4" DIAMETER AT TIP (STANDARD POLE AND FIXTURE ONLY).
- (12) ALL UNDERGROUND CABLE SHALL BE MINIMUM SIZE #8 C.U. STANDARD INSULATION TYPE RHH/ RHW U.S.E. IN CONTINUOUS POLYURETHANE UNIDUCT BURIED AT MINIMUM 24" COVER, OR AS REQUIRED BY ENTERGY.
- THE ARCHITECTURAL LIGHT POLE/ FIXTURE, IF ANY, SHALL BE PER MANUFACTURERS RECOMMENDATION AND SHALL MATCH THE EXISTING ARCHITECTURAL STANDARDS FOR PHASE 1A AND 1C. VENDOR TO PROVIDE A LUMEN BROADCAST CHART IN ORDER TO COMPARE THE SELECTED ARCHITECTURAL FIXTURE WITH THE ST. CHARLES PARISH STANDARD DETAIL.



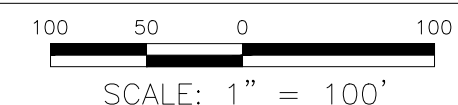
STANDARD LIGHT POLE
N.T.S.



LIGHT POLE BASE DETAILS
N.T.S.



ALTERNATE BASE PLATE DETAIL
N.T.S.



REQUIRED LIGHTS

- SUBDIVISION- 1 EACH (ALUMINUM, 20' HEIGHT)

NOTES:
POLE SHAFT SHALL BE CONSTRUCTED TO WITHSTAND LOADINGS AS SPECIFIED IN THE LATEST EDITION OF A.A.S.H.T.O. STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS. LOADINGS RESULTING FROM LUMINAIRE ARM AND LUMINAIRE SHALL BE TAKEN INTO ACCOUNT.



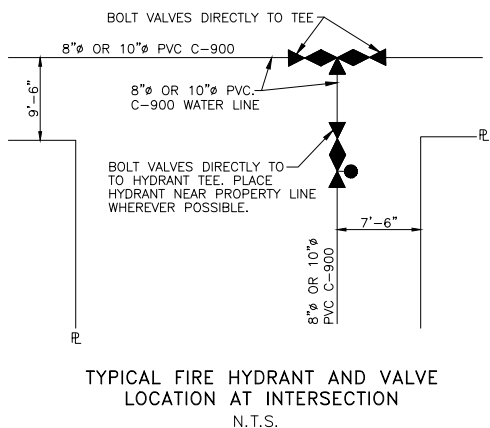
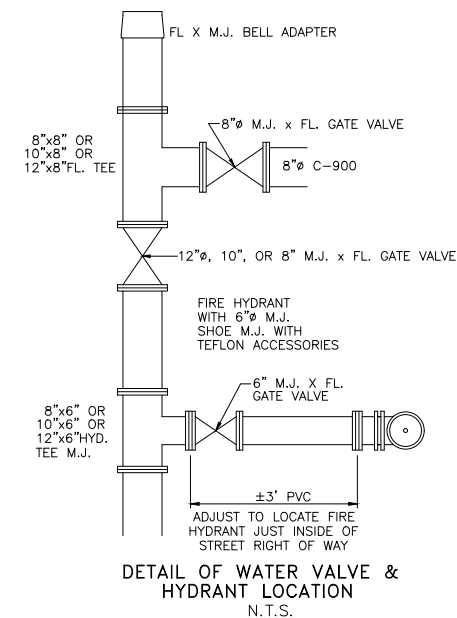
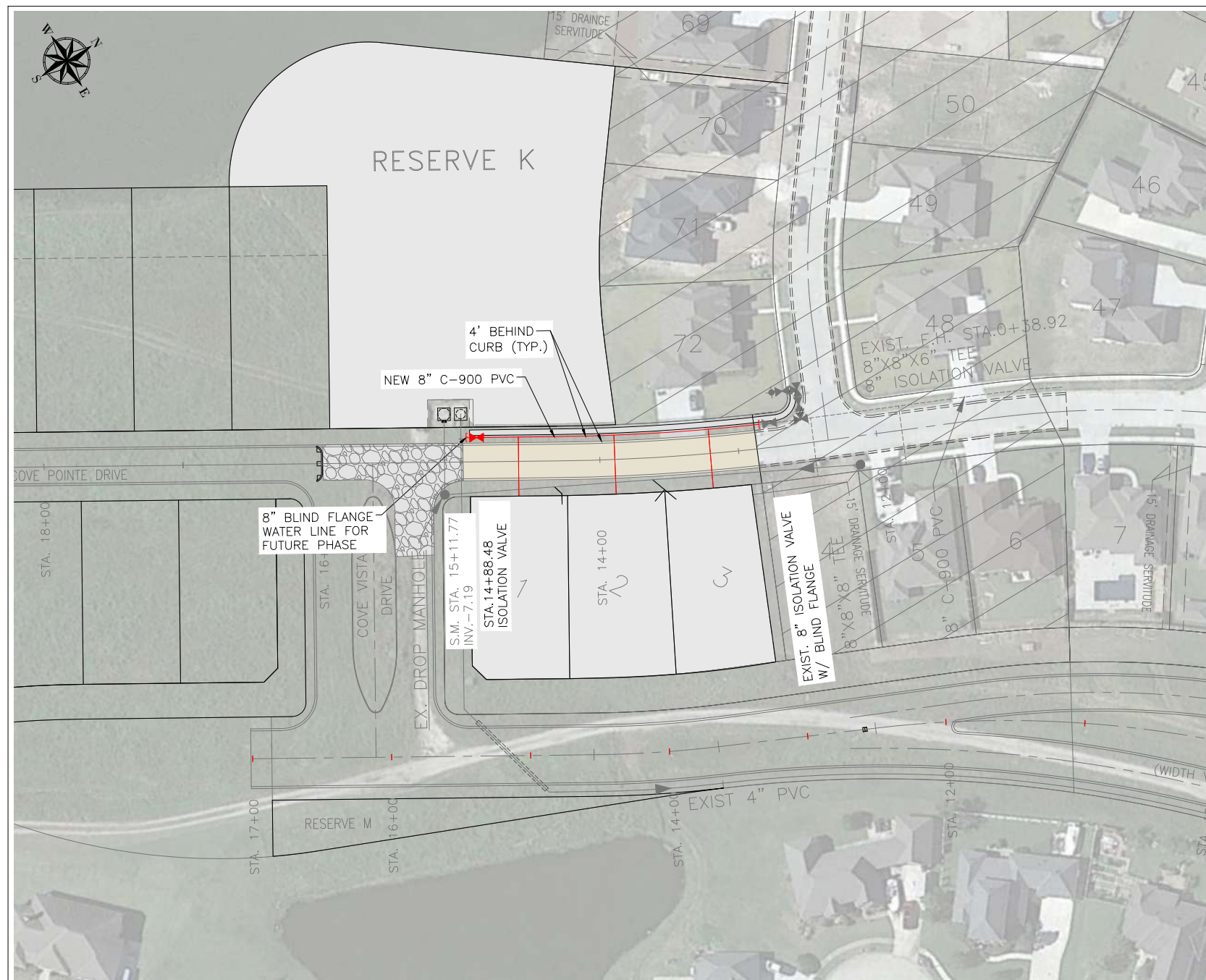
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|---|----------|----------------------|
| ASHTON PHASE 2B ADDENDUM #1 ST. CHARLES PARISH, LOUISIANA | | |
| POLE PLAN FOR STREET LIGHTING SYSTEM | | |
| DANNY J. HEBERT, P.E. CIVIL AND ENVIRONMENTAL CONSULTING ENGINEERS 14433 RIVER ROAD, HAHNVILLE, LOUISIANA 70057 PHONE: (985) 785-2380 | | |
| DATE: | 05/30/24 | PLOT SCALE: AS-SHOWN |
| DESIGNED BY: | MJJ | DRAWN BY: ISB |
| CHECKED BY: | DJH | CHECKED BY: MJJ |
| | | DRAWING NO. 6 |
| | | APPROVED BY: MJJ |

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Note: "Prior to construction, the contractor will verify all utilities." If a conflict exist, notify the project engineer/architect.

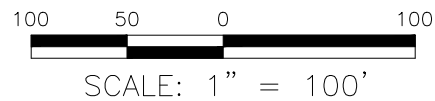
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NOTES:

1. WATERLINE COVER SHALL BE 36"-42" BELOW FINAL GRADE CONTRACTORS.
2. CHLORINATION SHALL BE COMPLETED BY WATERWORKS AT CONTRACTOR EXPENSE IN ACCORDANCE WITH ST. CHARLES PARISH DEPARTMENT OF WATER WORKS STANDARDS.
3. BOLT VALVES DIRECTLY TO HYDRANTS AND TEES (TYPICAL)
4. ADD TRACER WIRE TAPED ON AND ABOVE WATER LINE AND HYDRANTS AND ALL VALVE BOXES. DURING INSTALLATION PER ST. CHARLES PARISH WATER WORKS SPECIFICATIONS.
5. A NON CORROSIVE CONDUCTIVE BURIED WATER LINE TAPE SHALL BE PLACED 2' ABOVE THE WATER LINE.
6. ADJUST WATER MAIN AWAY FROM ROADWAY TO AVOID CONFLICTS WITH DRAIN LINES. WHERE THIS IS NOT PRACTICAL ADJUST WATER MAIN BENEATH DRAINAGE SERVICE.
7. COORDINATE TIE IN WITH ST. CHARLES PARISH WATERWORKS TO MINIMIZE OUT OF SERVICE CONDITION. PROVIDE FLUSHING CONNECTIONS PER PARISH REQUIREMENTS.
8. CONTRACTOR TO COORDINATE PRESSURE TEST WITH ST. CHARLES PARISH. BACK FLOW PREVENTOR TO BE SUPPLIED BY WATERWORKS.
9. MAINTAIN 7' MINIMUM HORIZONTAL CLEARANCE AND 18" MINIMUM VERTICAL WITH SEWER LINES.
10. CONTRACTOR TO PROVIDE 3" BRASS "WATER" DISC AT ALL SERVICE LINE CROSSING LOCATIONS ON EACH SIDE OF STREET. COORDINATE INSTALLATION WITH ST. CHARLES WATERWORKS.
11. FIRE HYDRANT TO HAVE BURIAL DEPTHS SO THAT BREAKAWAY FLANGE IS 3"-6" ABOVE CURB OR FINISHED GRADE WHICHEVER IS HIGHEST WITHOUT THE USE OF RISERS.
12. ADD 3" SCHEDULE 40 PVC CASING FOR WATER SERVICE CONNECTIONS, AT EACH CENTER LOT LINE. ADJUST TO AVOID UTILITIES AND VALVES, CAP EACH END. RUN CASING 4' PAST EDGE OF ROAD, 18" BELOW BASE OF ROAD.
13. PLACE 3" SCHEDULE 40 PVC ABOVE DRAIN PIPES TO MINIMIZE EXCAVATION BY THE SCP WATERWORKS DEPARTMENT FOR ALL SERVICE TIE INS.
14. CONTRACTOR TO MAINTAIN EXISTING SEWER, WATER, AND ELECTRICAL UTILITIES TO THE EXISTING HOMES AT ALL TIME TO AVOID ANY INTERRUPTION OF SERVICE DURING CONSTRUCTION.
15. PIPE TO PIPE RESTRAINTS SHALL BE INSTALLED ON PIPE THAT CROSSES ANY ROAD WAY TWO JOINTS BEFORE & AFTER.
16. ALL WATER PIPES SHALL BE C-900 PVC, BLUE IN COLOR.
17. CONTRACTOR TO ABIDE BY SCP WATERWORKS SPECIFICATIONS ON ANYTHING NOT MENTIONED ABOVE. (SEE WATERWORKS SPECIFICATIONS).
18. USE STAINLESS BOLTS WHEN ATTACHING FLANGE BY FLANGE FITTINGS (TYP.).
19. POUR CONCRETE PADS ON ALL VALVES 2'x2'.
20. HYDRANT VALVES SHALL BE BOLTED DIRECTLY TO TEE USING STAINLESS BOLTS (TYP.).
21. CONTRACTOR SHALL INSTALL RAISED REFLECTIVE PAVEMENT MARKER, BLUE IN COLOR, ADHERE TO CENTERLINE OF STREET AT ALL HYDRANT LOCATIONS USING FUEL RESISTANT HIGH STRENGTH EPOXY (TYPICAL)



- LEGEND**
- DUCTILE IRON MECH. JOINT GATE VALVE W/ DUCTILE IRON VALVE BOX
 - DUCTILE IRON MECH. JOINT TEE
 - FIRE HYDRANT
 - 6" M.J. FLANGED GATE VALVE (BOLTED DIRECTLY TO TEE)
 - 8" x 8" x 6" TEE (HYDRANT TO BE PLACED ON R. SIDE FACING THE STREET) (TYPICAL HYDRANT DETAIL)
 - REDUCER
 - BEND
 - DUCTILE IRON MECH. JOINT CROSS
 - DUCTILE IRON MECH. JOINT BY FLANGE TEE & FLANGE VALVE
 - WATER SERVICE CONNECTIONS



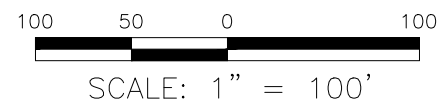
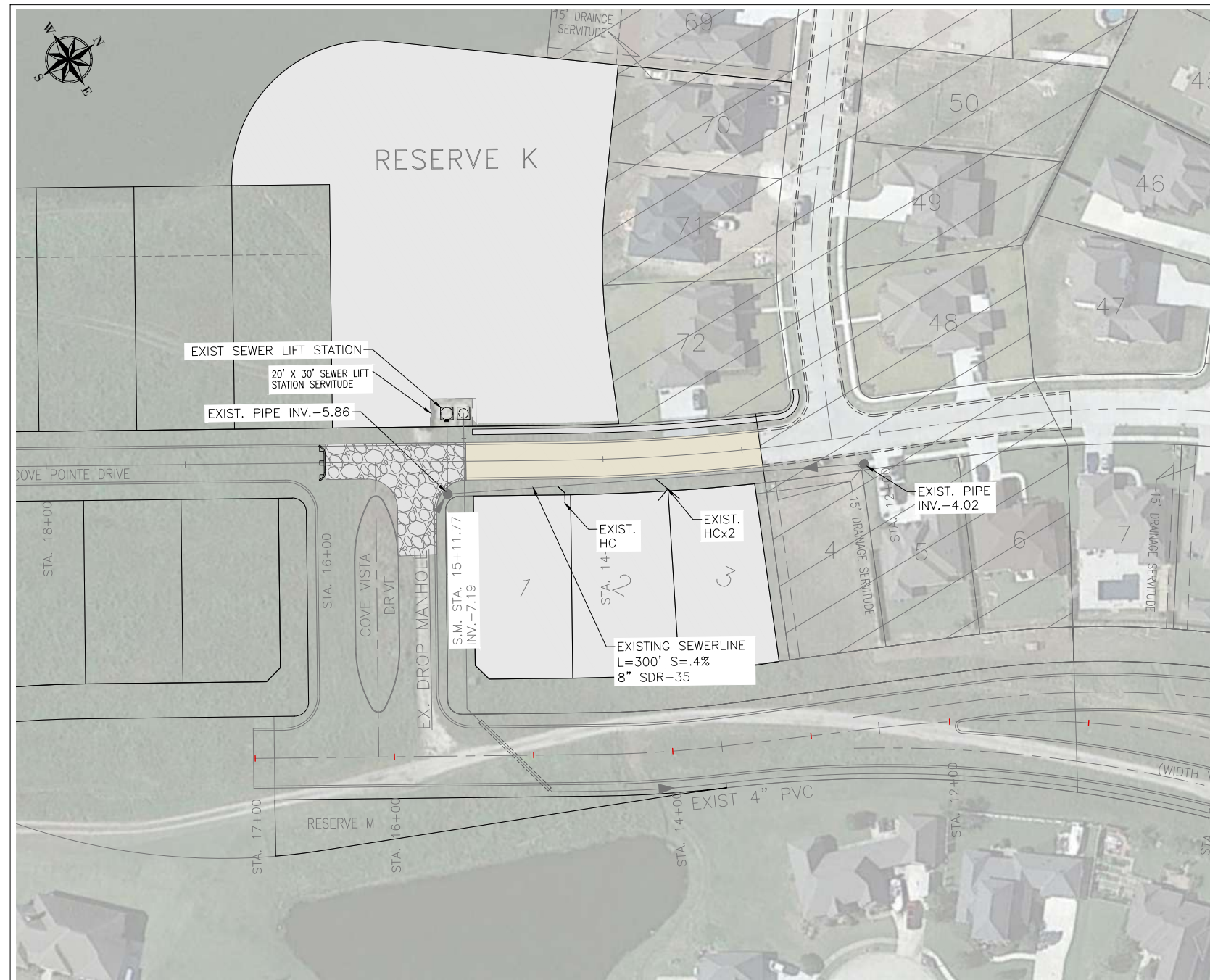
Civil & Environmental Consulting Engineers
 Danny J. Hebert, P.E., L.L.C.
 www.hebertengineering.com
 (985) 785-2380



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| ASHTON PHASE 2B ADDENDUM #1 ST. CHARLES PARISH, LOUISIANA | | |
| MASTER WATER PLAN | | |
| DANNY J. HEBERT, P.E. CIVIL AND ENVIRONMENTAL CONSULTING ENGINEERS 14433 RIVER ROAD, HAHNVILLE, LOUISIANA 70057 PHONE: (985) 785-2380 | | |
| DATE: | 05/30/24 | PLOT SCALE: AS-SHOWN |
| DESIGNED BY: | MJJ | DRAWN BY: ISB |
| CHECKED BY: | DJH | CHECKED BY: MJJ |
| | | APPROVED BY: MJJ |
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Call before you dig.
 1-800-872-8020
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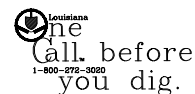
ASHTON PHASE 2B
ADDENDUM #1
ST. CHARLES PARISH, LOUISIANA

MASTER SEWER PLAN

DANNY J. HEBERT, P.E.
CIVIL AND ENVIRONMENTAL CONSULTING ENGINEERS
14433 RIVER ROAD, HAHNVILLE, LOUISIANA 70057
PHONE: (985) 785-2380

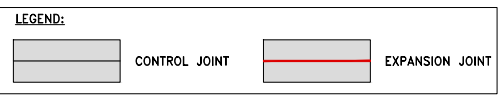
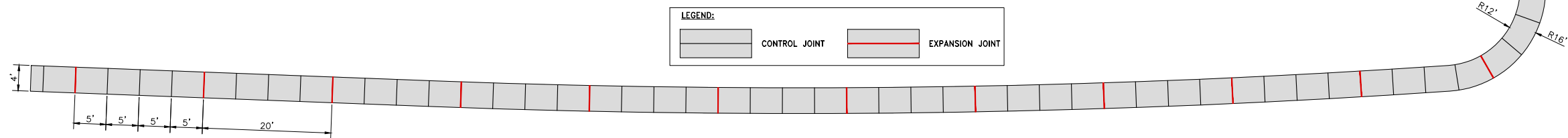
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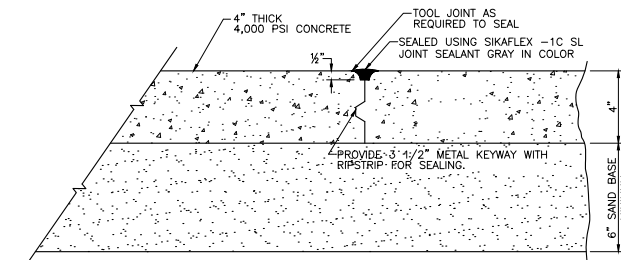
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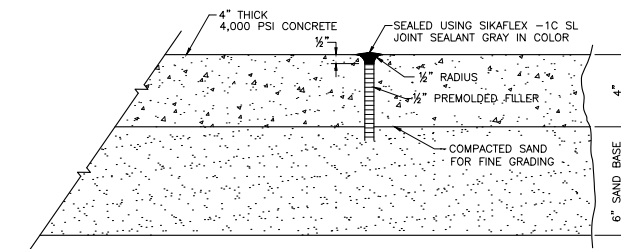
SIDEWALK JOINTING PLAN

SCALE: 1"=20'



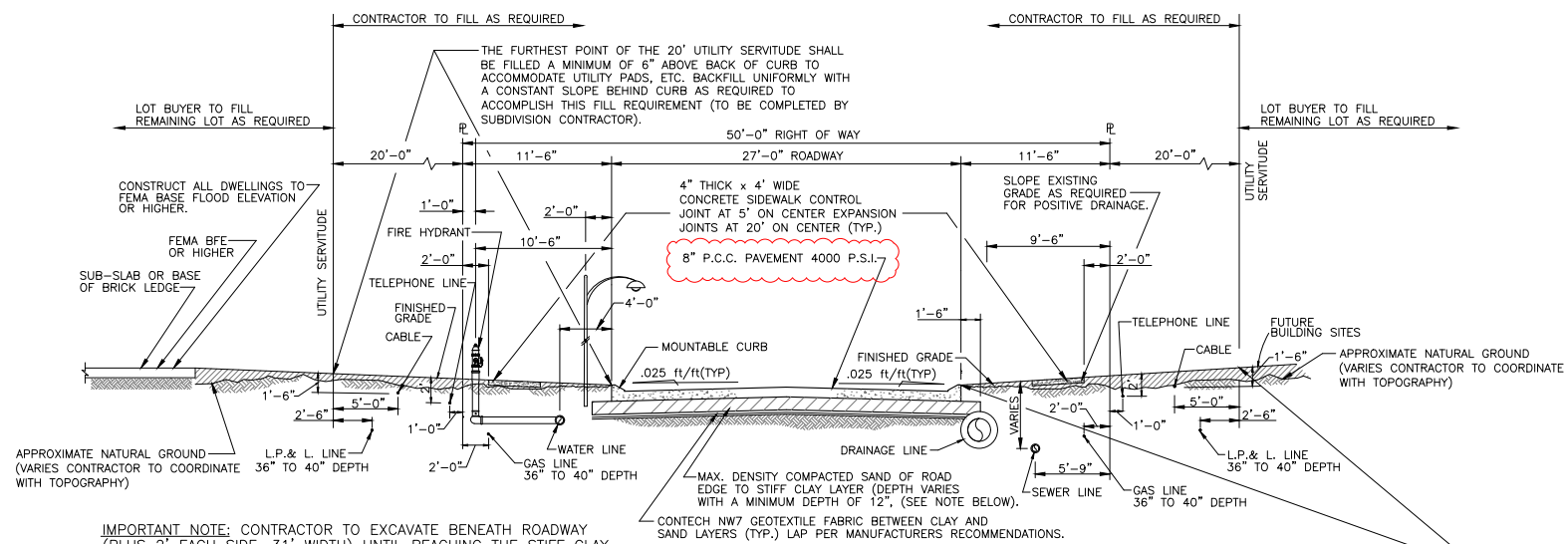
SIDEWALK CONTROL JOINT (5' O.C.)

SCALE: N.T.S.



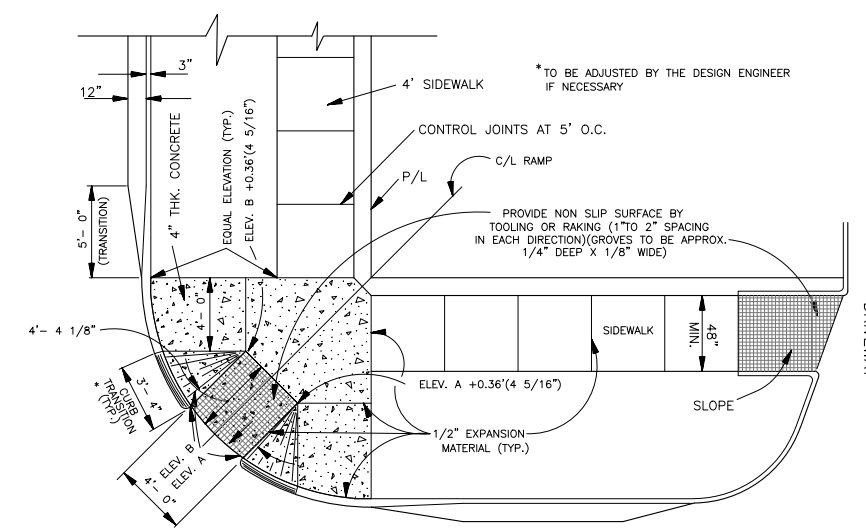
SIDEWALK EXPANSION JOINT (20' O.C.)

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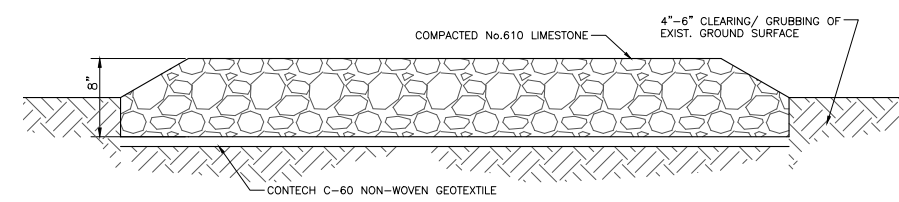
TYPICAL 50' R.O.W.

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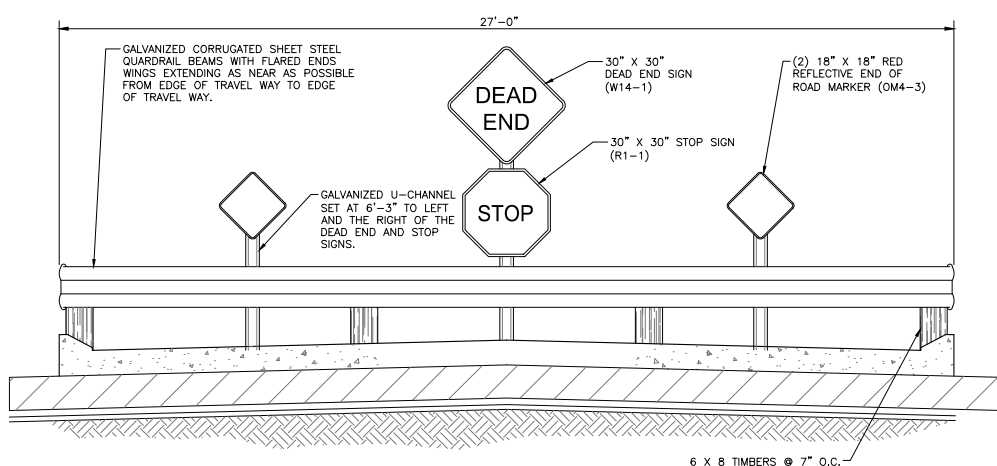
PLAN OF TYPICAL SIDEWALK WITH RAMP FOR HANDICAPPED

SCALE: N.T.S.



LIMESTONE TURN AROUND

SCALE: N.T.S.



TYPICAL END OF ROAD BARRICADE AS REQUIRED BY ST. CHARLES PARISH

SCALE: N.T.S.



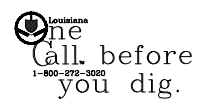
**ASHTON PHASE 2B
ADDENDUM #1
ST. CHARLES PARISH, LOUISIANA**

TYPICAL STREET SECTIONS AND DETAILS

DANNY J. HEBERT, P.E.
CIVIL AND ENVIRONMENTAL CONSULTING ENGINEERS
14433 RIVER ROAD, HAHNVILLE, LOUISIANA 70057
PHONE: (985) 785-2380

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| 05/30/24 <td>MJJ <td>ISB <td>MJJ <td>MJJ </td></td></td></td> | MJJ <td>ISB <td>MJJ <td>MJJ </td></td></td> | ISB <td>MJJ <td>MJJ </td></td> | MJJ <td>MJJ </td> | MJJ |



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PAVING NOTES

- UNLESS OTHERWISE SHOWN, ALL PAVEMENT SHALL MEASURE 27" BACK TO BACK OF CURBS, 8" THICK. THICKNESS WILL BE VERIFIED BY CORES STAGGERED AT 200' INTERVALS. CONCRETE ROADWAY SHALL HAVE THREE (3) LONGITUDINAL JOINTS PLACED ALONG THE CENTER LINE OF THE STREET AND AT (1/3) ONE-THIRD WIDTHS.
- CONCRETE MIX DESIGN-CONCRETE SHALL BE PROPORTIONED TO PRODUCE A MINIMUM COMPRESSIVE STRENGTH OF FOUR THOUSAND (4,000) P.S.I. AT TWENTY-EIGHT (28) DAYS. THE MINIMUM CEMENT CONTENT SHALL BE FIVE AND 1/2 BAGS (94 LBS./BAG) OF CEMENT PER CUBIC YARD WITH ONE-HALF (5 A MAXIMUM WATER-CEMENT RATIO OF SIX (6) GALLONS OF WATER PER BAG. SLUMP OF THE CONCRETE SHALL RANGE FROM (2) INCHES TO FOUR (4) INCHES WHEN USING A VIBRATING SCREED AND FROM ONE (1) INCH TO TWO AND ONE-HALF (2 1/2) INCHES WHEN USING A SLIP FORM PAVER.
- ONE SET OF THREE (3) CYLINDERS SHALL BE MADE FOR EACH FIFTY (50) CUBIC YARDS OF CONCRETE PLACED. CYLINDERS SHALL BE BROKEN AT SEVEN (7) AND TWENTY-EIGHT (28) DAYS. ONE DENSITY TEST SHALL BE TAKEN FOR EACH TWO THOUSAND (2000) SQUARE YARDS OF BASE.
- TESTING LABORATORY SHALL BE SELECTED BY THE PARISH ENGINEER.
- PAVEMENT SHALL NOT BE OPENED TO TRAFFIC UNTIL 21 DAYS AFTER PLACEMENT WITHOUT THE APPROVAL OF THE ENGINEER.
- ALL DRAINAGE AND SEWERAGE STRUCTURES WITHIN THE PAVEMENT AREA SHALL BE BOXED OUT.
- CONTRACTOR TO EXCAVATE BENEATH ROADWAY (PLUS 2' EACH SIDE, 31' WIDTH) UNTIL REACHING THE STIFF CLAY LAYER OR A MINIMUM OF 12", WHICHEVER IS GREATER. WHERE ROADWAY CROSSES EXISTING DRAINS, CONTRACTOR SHALL MUCK OUT A MINIMUM OF 4' X DITCH WIDTH AND REPLACE WITH FABRIC AND COMPACTED SAND. COMPACT AND GRADE AS REQUIRED TO 97% MAXIMUM DRY DENSITY ACCORDING TO THE STANDARD PROCTOR DENSITY TEST. KEEP TRAFFIC OFF THE BASE FOR 72 HRS. REPAIR ANY SECTION THAT FAILS DURING PAVING OPERATIONS WITH CRUSHED STONE OR COMPACTED SAND. ALL SUBGRADE MATERIAL WHICH WILL NOT SATISFACTORILY COMPACT SHALL BE REMOVED AND REPLACED WITH MATERIAL THAT WILL COMPACT SATISFACTORILY. TOP 6" INCHES SHALL BE COMPACTED TO 97% STANDARD PROCTOR. WHERE THE SUBGRADE IS OF NON-UNIFORM COMPACTED NATURE, IT SHALL BE SCARIFIED TO A DEPTH OF 6" FOR ITS FULL WIDTH AND THE MATERIAL SPREAD AND BROUGHT TO LINE AND GRADE AND COMPACTED AS SPECIFIED ABOVE.
- WHERE EXISTING GRADES ARE LOW, CONTRACTOR WILL BE REQUIRED TO FILL THESE AREAS WITH WELL COMPACTED PUMPED RIVER SAND UP TO THE PROPOSED GRADES AND TO FOLLOW THE INSTRUCTIONS ABOVE.
- CONTRACTOR TO FILL BEHIND PROPERTY LINE WITH EXCAVATED MATERIAL FROM STREET AND DRAINAGE EXCAVATION WITH A SLOPE TO PROVIDE A MINIMUM OF 6" ABOVE BACK OF CURB, AT UTILITY SERVITUDE LINE (SEE TYPICAL STREET SECTION). IF NECESSARY CONTRACTOR TO PROVIDE ADDITIONAL SAND/ CLAY TOPSOIL FILL TO OBTAIN 6" ABOVE CURB AT FURTHEST EDGE OF UTILITY SERVITUDE LINE.
- ALL EXISTING DITCHES WITHIN PROPOSED ROADWAY RIGHT-OF-WAY SHALL BE MUCKED OUT UNTIL GOOD SOIL IS REACHED OR 24" MINIMUM, AND BACKFILLED WITH PUMPED RIVER SAND.
- CONTRACTOR SHALL PROVIDE MEANS FOR TEMPORARY DRAINAGE DURING CONSTRUCTION.

GENERAL NOTES

- ALL WORK MUST CONFORM TO THE REQUIREMENTS OF ST. CHARLES PARISH AND OTHER SUCH PARISH OR STATE STANDARDS THAT MAY BE APPLICABLE.
- THE LOCATION SHOWN ON THE PLANS OF EXISTING UTILITIES ARE APPROXIMATE. THE CONTRACTOR SHALL CAREFULLY VERIFY THESE LOCATIONS AND TAKE WHATEVER PRECAUTIONS NECESSARY TO AVOID DAMAGE TO THE EXISTING UTILITIES.
- STREET AND TRAFFIC SIGNS ARE TO BE INSTALLED AS REQUIRED AND AT THE LOCATIONS INDICATED BY ST. CHARLES PARISH ENGINEER. COST TO BE BORNE BY THE CONTRACTOR.
- BENCH MARKS: THE CONTRACTOR SHALL BE REQUIRED TO SET A MINIMUM OF (2) TWO TEMPORARY CONSTRUCTION BENCH MARKS FROM THE REFERENCED AND RECOGNIZED "PERMANENT" BENCH MARK AS DESCRIBED ON THE TOPOGRAPHIC SURVEY. THE CONTRACTOR MUST CHECK BETWEEN BENCH MARKS PRIOR TO COMMENCING CONSTRUCTION AND DURING CONSTRUCTION, REGULARY RECONFIRMING BENCH MARK ELEVATIONS. ANY DISCREPANCY IN ELEVATION OR MOVEMENT OF BENCH MARKS MUST BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
- REFERENCE BENCH MARK: TO BE PROVIDED BY: SEE TOPOGRAPHIC SURVEY.
- THE GENERAL CONTRACTOR SHALL CONFIRM THAT ALL LOCAL, STATE, AND FEDERAL PERMITS ARE "IN-PLACE" AND ACTIVE PRIOR TO COMMENCING CONSTRUCTION, SUCH PERMITS INCLUDE BUT ARE NOT LIMITED TO: CORPS JURISDICTIONAL WETLANDS DETERMINATION, CORPS 404 WETLAND PERMIT, DNR COASTAL USE PERMIT, LEVEE BASIN PERMIT, LA DOTD PERMIT, LA DEQ CLEAN WATER CERTIFICATION, LA DEQ STORM WATER POLLUTION PREVENTION PERMIT WITH BEST MANAGEMENT PRACTICES (SWPPP), AND LOUISIANA ONE-CALL PRIOR TO ANY EXCAVATION ACTIVITY. THE OWNER IS RESPONSIBLE FOR OBTAINING ALL PERMITS
- ALL ELEVATIONS WERE EXTRAPOLATED FROM THE TOPOGRAPHIC SURVEY BY ALL SOUTH CONSULTING ENGINEERS.
- NATURAL GROUND ELEVATIONS VARY. SHOULD ANY DISCREPANCY EXIST BETWEEN THE TYPICAL DITCH SECTION AND THE DESIGN DITCH AND PIPE INVERTS, THEN THE DESIGN DITCH AND PIPE INVERT SHALL GOVERN.

DRAINAGE NOTES

- ROUND CONCRETE PIPE SHALL CONFORM IN ALL RESPECTS TO THE LATEST SPECIFICATIONS OF ASTM C-76, CLASS III, WALL "B" AND SHALL BE BELL AND SPIGOT WITH RUBBER "O" RING JOINTS. A-2000 PVC DRAIN PIPE MAY BE USED AS LONG AS BEDDING, MINIMUM OF 12" COVER, WRAPPING ALL JOINTS WITH FABRIC, AND OTHER REQUIREMENTS HEREIN ARE SATISFIED.
- CONCRETE ARCH PIPE SHALL CONFORM IN ALL RESPECTS TO THE LATEST PROVISIONS OF ASTM C-506, CLASS III, AND SHALL BE TONGUE AND GROOVE JOINTS WITH COLD APPLIED PERFORMED PLASTIC SEALING COMPOUND CONFORMING IN ALL RESPECTS TO FEDERAL SPECIFICATIONS SS-S-00210 (GSA-FSS) DATED JULY 26, 1965, OR LATEST REVISIONS.
- DRAIN PIPE BEDDING FOR DRAIN LINES SHALL BE PER BEDDING DETAIL OF THE DRAINAGE STANDARD DETAILS.
- ALL TRENCHES FOR PIPE WITHIN THE STREET RIGHT-OF-WAY SHALL BE MUCKED OUT TO GOOD SOIL, OR 24" MINIMUM, AND BACKFILLED WITH PUMPED RIVER SAND.
- ALL DRAINAGE PIPE JOINTS SHALL BE WRAPPED WITH A 36" WIDE PIECE OF PLASTIC FILTER CLOTH SPEC. 701.06.6 PER LADOTD 2016 CENTERED ON THE JOINT AND LAPPED ON ITSELF 36".
- THE CONTRACTOR SHALL PREPARE AND FURNISH THE ENGINEER WITH AN AS-BUILT DRAINAGE PLAN SHOWING STREET GRADES BY STATIONS, TOP OF CASTING ELEVATION AND INVERTS OF ALL DRAINAGE STRUCTURES.
- PRECAST DRAIN MANHOLES MAY BE USED ON THIS PROJECT.
- THE CONTRACTOR SHALL SOD AND WATER THE AREAS SHOWN IN THE ROADWAY STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES.
- CONTRACTOR SHALL PROVIDE MEANS FOR TEMPORARY DRAINAGE DURING CONSTRUCTION.

SEWER NOTES

- THE SEWER SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE SANITARY CODE OF THE STATE OF LOUISIANA. A WRITTEN APPROVAL FROM THE STATE BOARD OF HEALTH MUST BE SECURED BY THE DEVELOPER.
- THE CONTRACTOR SHALL USE TIMBER SHEETING TO CONTROL THE WIDTH OF EXCAVATION AND TO PROVIDE SAFE WORKING CONDITIONS FOR HIS WORKMEN.
- IT IS REQUIRED THAT THE TESTING LABORATORY, SELECTED BY THE PARISH, PERFORM, WITH THE ASSISTANCE AND AT THE EXPENSE OF THE CONTRACTOR, THE SEWER INFILTRATION TEST. THE LABORATORY SHALL TRANSMIT TO THE PARISH AND THE ENGINEER A WRITTEN REPORT OF THE TESTS.
- EXISTING UTILITIES ARE SHOWN IN THEIR APPROXIMATE LOCATION. THE CONTRACTOR SHALL VERIFY SAME AND TAKE THE NECESSARY PRECAUTIONS TO PROTECT THEM.
- ALL GRAVITY SEWER LINES SHALL BE INSTALLED IN ACCORDANCE WITH THE SANITARY CODE OF THE STATE OF LOUISIANA AND GREEN IN COLOR.
- ALL WORK AND MATERIALS SHALL BE APPROVED BY THE PARISH.

WATER NOTES

- ALL WORK MUST CONFORM TO THE SPECIFICATIONS OF ST. CHARLES PARISH DEPARTMENT OF WATERWORKS. REFER TO THEIR MANUAL FOR WATER SYSTEMS INSTALLATION. COPY AVAILABLE UPON REQUEST.
- BACKFILL ALL STREET CROSSINGS WITH RIVER SAND.
- ALL 6" TO 12" DIAMETER WATER LINES TO BE PVC AWWA C-900 CLASS 150 SDR 18 AND BLUE IN COLOR.
- ALL VERTICAL AND HORIZONTAL ADJUSTMENTS TO BE ACCOMPLISHED WITH RESTRAINED JOINT MECHANICAL JOINTS.
- FIRE HYDRANTS WILL BE MUELLER A423 SUPER CENTURION 250 OR APPROVED EQUAL AND SHALL BE PAINTED RED.
- FIRE HYDRANTS WILL HAVE A SIX-INCH (6") CONNECTION TO STREET MAINS, TWO (2), TWO AND ONE-HALF (2-1/2) BRASS NOZZLE THREADS FOR HOSE CONNECTIONS AND ONE (1) BRASS NOZZLE WITH THREADS FOR STREAMER COUPLING, THREAD WILL BE NATIONAL STANDARD. FIRE HYDRANT BREAKAWAY FLANGE TO BE 3" TO 6" ABOVE BACK OF CURB OR FINISHED GRADE, WHICHEVER IS HIGHEST, WITHOUT USING FIRE HYDRANT RISERS
- ALL GATE VALVES SHALL BE MUELLER A2360-20/A2360-16 RESILIENT SEAT. TAPPING SLEEVE VALVES SHALL BE MUELLER A2360-16, OR EQUAL.
- ALL VALVE BOXES SHALL BE CENTERED IN A 2' X 2' X 4" THICK CONCRETE SURFACE PAD.
- THE CONTRACTOR WILL INDICATE THE LOCATION OF EACH CUT-OFF VALVE BY MEANS OF A "V" SHAPED NOTCH CUT INTO THE CONCRETE CURB AT THE VALVE SITE.
- THE CONTRACTOR WILL BE REQUIRED TO FURNISH AN AS-BUILT WATER PLAN TO THE ENGINEER AND THE PARISH WATER DEPARTMENT PRIOR TO ACCEPTANCE OF HIS WORK.
- THE CONTRACTOR SHALL VERIFY THE LOCATION OF OTHER UTILITIES IN THE FIELD AND TAKE NECESSARY PRECAUTIONS TO PROTECT SAME BY CONTACTING DOTTIE.
- IN ORDER TO TIE INTO EXISTING LINES, THE CONTRACTOR MUST SECURE PERMISSION IN WRITING FROM THE WATER DEPARTMENT.
- CONTRACTOR WILL PERFORM PRESSURE TESTING OF WATER LINES, AND PROVIDE THE PARISH WITH SATISFACTORY RESULTS.
- ADJUST WATER MAIN AWAY FROM ROADWAY TO AVOID CONFLICTS WITH DRAIN LINES. WHERE THIS IS NOT PRACTICAL ADJUST WATER MAIN BENEATH DRAINAGE SERVICE.
- USE NECESSARY FITTINGS TO AVOID CONFLICTS WITH OTHER UTILITIES.
- THE CONTRACTOR SHALL CONDUCT HIS WORK SO AS NOT TO DISTURB THE EXISTING WATER LINE OR CONTAMINATE THE WATER IN EXISTING WATERWORKS' LINES.
- THE CONTRACTOR SHALL NOT EXPOSE, CUT, TAP INTO OR CONNECT TO EXISTING WATERWORKS' LINES WITHOUT FIRST ADVISING AND SECURING PERMISSION OF THE WATERWORKS AND A WATERWORKS' REPRESENTATIVE MUST BE PRESENT.
- THE CONTRACTOR SHALL NOT OPEN OR CLOSE ANY VALVES OR ANY FIRE HYDRANTS WITHOUT THE PERMISSION OF THE WATERWORKS AND A WATERWORKS' REPRESENTATIVE MUST BE PRESENT.
- THE CONTRACTOR MUST PURCHASE WATER USED FOR ANY PURPOSE OTHER THAN FOR PRE-ARRANGED FLUSHING AND TESTING OF THE WATER LINES.
- THE PARISH WILL MAKE ALL TAPS INTO NEW WATER LINE FOR TESTING PURPOSES.
- REFER TO OTHER PLANS AS NECESSARY FOR LOCATION OF OTHER UTILITIES PRIOR TO EXCAVATING.
- THE CONTRACTOR SHALL CONTACT DOTTIE FOR LOCATIONS OF EXISTING UTILITIES PRIOR TO COMMENCING EXCAVATION ACTIVITY.
- 8" WATER MAINS SHALL HAVE 36"-42" OF COVER. MAINS LARGER THAN 8" SHALL HAVE 42"-46" OF COVER.
- WHERE VALVES ARE NEAR TEES OR CROSSES, USE FLANGE X M.J. VALVES BOLTED DIRECTLY TO THE FLANGED FITTING, WHERE IN-LINE VALVES ARE NEAR HYDRANTS, BOLT THE VALVE DIRECTLY TO THE HYDRANT TEE.
- FITTINGS SHALL BE MECHANICAL JOINT OR FLANGED JOINT. USE TEFLON COATED TEE BOLTS FOR MECHANICAL JOINT FITTINGS, AND STAINLESS STEEL BOLTS FOR FLANGED FITTINGS. COAT BOLTS WITH "NEVER-SEIZE" COMPOUND.
- PROVIDE RESTRAINED JOINTS AT ALL BENDS, OFFSETS, ETC. USING MECHANICAL JOINTS WITH ROMAC GRIP RINGS. RESTRAINED JOINTS SHALL BE INSTALLED UP TO 2 SECTIONS OF PIPE PAST THE POINT OF VERTICAL AND HORIZONTAL ADJUSTMENT OF THE MAIN WATER LINE.
- WHERE PIPE JOINT DEFLECTION IS REQUIRED, THE MAXIMUM ALLOWABLE DEFLECTION AT EACH JOINT SHALL BE 75% OF MANUFACTURER'S RECOMMENDED ALLOWABLE.
- INSTALL NON-CORROSIVE METALLIC MARKER TAPE MARKED "WATER BELOW" 2' OVER AND ALONG THE CENTERLINE OF ALL WATER MAINS.
- TAPE TRACER SOLID CORE No.12 COPPER WIRE TO PIPE AND BRING INTO VALVE BOXES AND FIRE HYDRANTS. WIRE SHALL BE TAPED DIRECTLY ON TOP OF PIPE.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER WHEN HE IS READY TO INSPECT THE WATER SYSTEM. IN THE PRESENCE OF WATERWORKS' PERSONNEL, HE SHALL PERFORM THE PRESSURE TEST, THEN THE LEAKAGE TEST. THE DEPT. OF WATERWORKS WILL THEN DISINFECT THE LINES AT THE CONTRACTOR'S EXPENSE. CONTRACTOR SHALL IMPOUND AND NEUTRALIZE THE CHLORINATED WATER AT NO ADDITIONAL COST. WATERWORKS' PERSONNEL WILL THEN CONDUCT BACTERIOLOGICAL TESTING. EACH TEST SHALL BE REPEATED UNTIL SATISFACTORY RESULTS ARE OBTAINED AND APPROVED BY D.H.H.
- ADD 3" SCHEDULE 40 PVC CASING FOR WATER SERVICE CONNECTIONS. ADJUST TO AVOID UTILITIES AND VALVES, CAP EACH END. CASING 4' PAST EDGE OF ROAD, 18" BELOW BASE OF ROAD.
- CONTRACTOR TO PROVIDE 3" BRASS "WATER" DISC AT ALL SERVICE LINE CROSSING LOCATIONS ON EACH SIDE OF STREET. COORDINATE INSTALLATION WITH ST. CHARLES WATERWORKS.
- ALL WATER PIPE SHALL BE C-900 PVC, BLUE IN COLOR.
- PIPE TO PIPE RESTRAINTS SHALL BE INSTALLED ON PIPE THAT CROSSES ANY ROAD WAY ONE JOINT BEFORE & AFTER.
- CONTRACTOR TO ABIDE BY SCP WATERWORKS SPECIFICATIONS ON ANYTHING NOT MENTIONED ABOVE. (SEE WATERWORKS SPECIFICATIONS).

WATER NOTES (CONTINUED.)

- COORDINATE TIE IN WITH ST. CHARLES PARISH WATERWORKS TO MINIMIZE OUT OF SERVICE CONDITION. PROVIDE FLUSHING CONNECTIONS PER PARISH REQUIREMENTS.
- CONTRACTOR TO COORDINATE PRESSURE TEST WITH ST. CHARLES PARISH. BACK FLOW PREVENTOR TO BE SUPPLIED BY WATERWORKS.
- MAINTAIN 7' MINIMUM HORIZONTAL CLEARANCE AND 18" MINIMUM VERTICAL WITH SEWER LINES.
- PLACE 3" SCHEDULE 40 PVC ABOVE DRAIN PIPES TO MINIMIZE EXCAVATION BY THE SCP WATERWORKS DEPARTMENT FOR ALL SERVICE TIE INS.
- CONTRACTOR TO MAINTAIN EXISTING SEWER, WATER, AND ELECTRICAL UTILITIES TO THE EXISTING HOMES AT ALL TIME TO AVOID ANY INTERRUPTION OF SERVICE DURING CONSTRUCTION.
- USE STAINLESS BOLTS WHEN ATTACHING FLANGE BY FLANGE FITTINGS (TYP.).
- HYDRANT VALVES SHALL BE BOLTED DIRECTLY TO TEE USING STAINLESS BOLTS (TYP.).
- CONTRACTOR SHALL INSTALL RAISED REFLECTIVE PAVEMENT MARKER, BLUE IN COLOR, ADHERE TO CENTERLINE OF STREET AT ALL HYDRANT LOCATIONS USING FUEL RESISTANT HIGH STRENGTH EPOXY (TYPICAL)
- ALL FIRE HYDRANTS SHALL BE VALVED WITH A 6" VALVE BOLTED DIRECTLY TO THE TEE.
- CONTRACTOR WILL BE CHARGED BY THE ST. CHARLES PARISH WATERWORKS DEPARTMENT FOR CHLORINATING COST INCURRED BY WATERWORKS. CONTACT ST. CHARLES PARISH WATERWORKS FOR ADDITIONAL INFORMATION.

One Call before you dig.
 1-800-872-8000
Note: "Prior to construction, the contractor will verify all utilities." If a conflict exist, notify the project engineer/architect.

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| 08/19/24 | REV. PER SCP | 1 |
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**ASHTON PHASE 2B
ADDENDUM #1
ST. CHARLES PARISH, LOUISIANA**

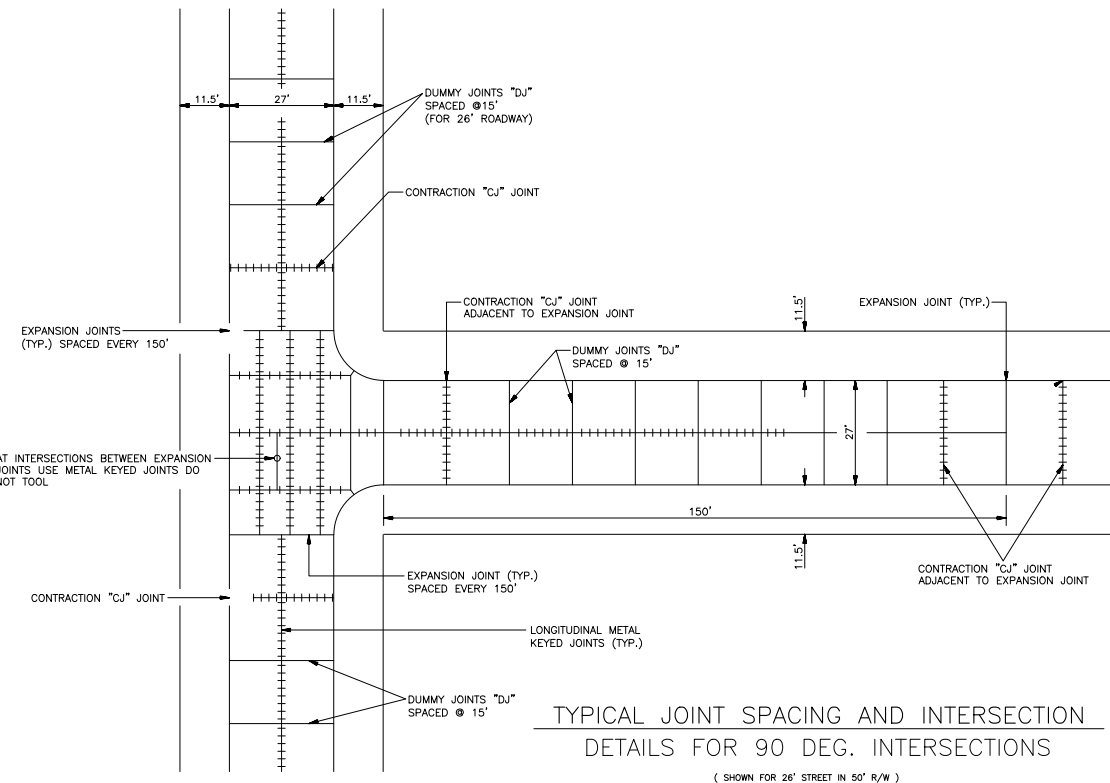
GENERAL NOTES

DANNY J. HEBERT, P.E.
 CIVIL AND ENVIRONMENTAL CONSULTING ENGINEERS
 14433 RIVER ROAD, HAHNVILLE, LOUISIANA 70057
 PHONE: (985) 785-2380

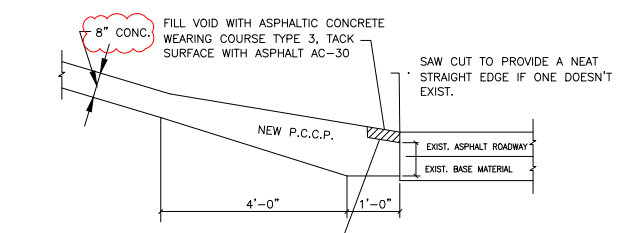
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| DATE: 05/30/24 | PLOT SCALE: AS-SHOWN | DRAWING NO. |
| DESIGNED BY: MJJ | DRAWN BY: ISB | 11 |
| CHECKED BY: DJH | CHECKED BY: MJJ | APPROVED BY: MJJ |



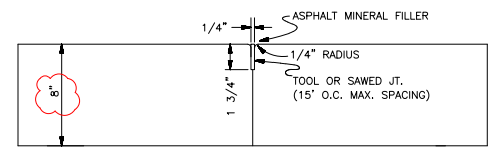
THIS LINE IS ONE INCH LONG WHEN PLOTTED FULL SCALE



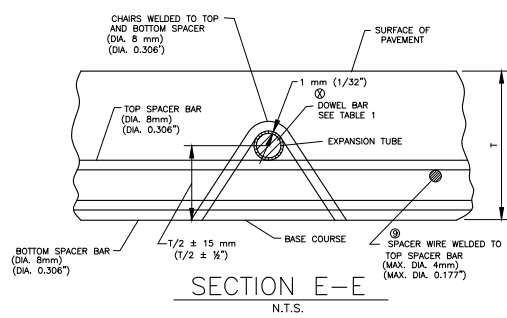
TYPICAL JOINT SPACING AND INTERSECTION DETAILS FOR 90 DEG. INTERSECTIONS
(SHOWN FOR 26' STREET IN 50' R/W)



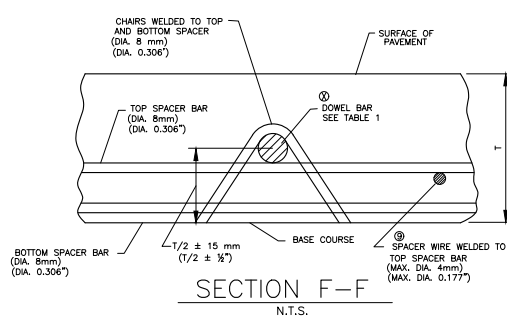
SECTION OF BUTT JOINT (TYPE BJ)



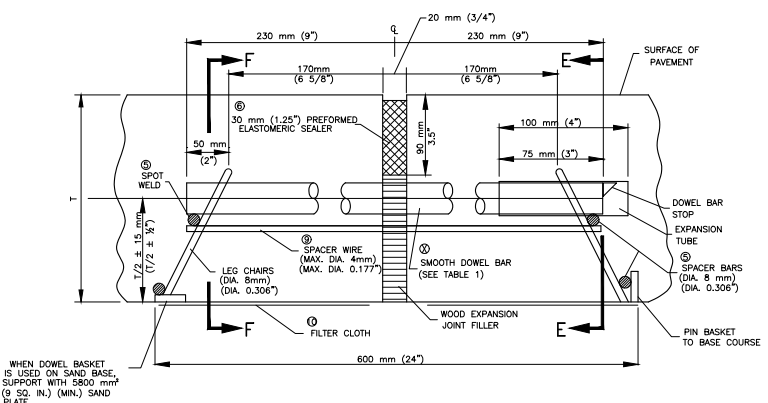
TRANSVERSE CONTRACTION JOINT (DUMMY JT.)
(APPLICABLE TO 7" P.C.C.P. PAVT. ONLY)
(16' O.C. MAX.)



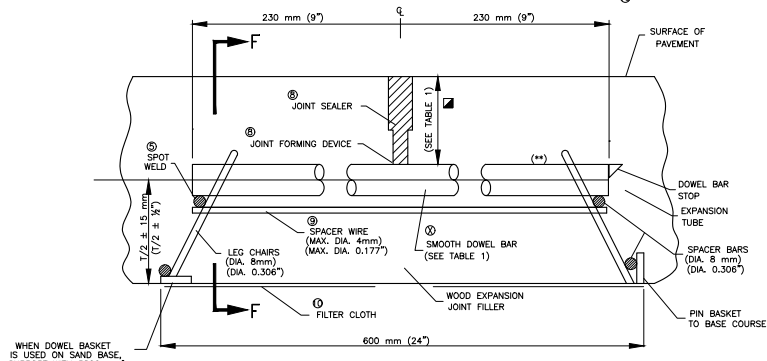
SECTION E-E
N.T.S.



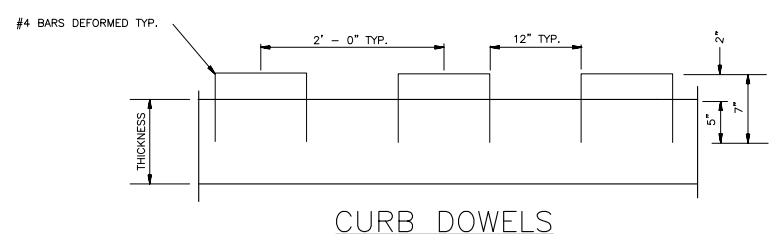
SECTION F-F
N.T.S.



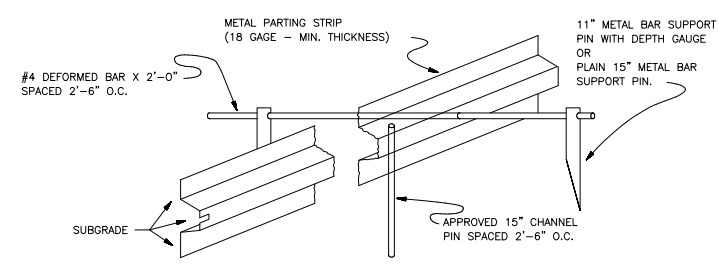
SECTION A-A
TYPE EJ
(TRANSVERSE EXPANSION JOINT)
N.T.S.



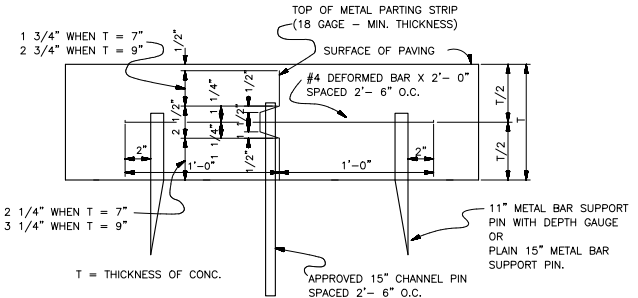
SECTION B-B
TYPE TCJ OF CJ
(TRANSVERSE CONTRACTION JOINT OF TRANSVERSE CONSTRUCTION JOINT)
N.T.S.



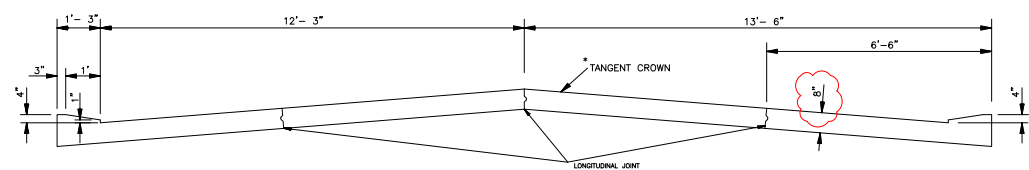
CURB DOWELS



OBlique VIEW METAL PARTING STRIP FOR DEFORMED LONGITUDINAL JOINT



DEFORMED LONGITUDINAL JOINT



TYPICAL SECTION OF 27' ROADWAY

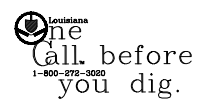
TYPICAL NOTES FOR CONCRETE PAVEMENT JOINTS

- PAVEMENT EDGES SHALL BE SLIGHTLY ROUNDED TO APPROXIMATELY 5 mm (188')
- REASONABLE TOLERANCES TO ALL DIMENSIONS WILL BE ALLOWED
- NOT USED.
- ALL JOINTS ARE TO BE USED WHERE SHOWN ON THIS SHEET OR AS SHOWN ELSEWHERE IN THE DRAWINGS OR AS DIRECTED BY THE ENGINEER.
- ON TYPE EJ JOINTS, ARC WELD ALTERNATE ENDS OF DOWEL BARS TO DOWEL BASKETS AND PLACE EXPANSION TUBES ON ALTERNATE ENDS OF DOWEL BARS.
- TYPE EJ JOINTS SHALL BE SEALED WITH ELASTOMERIC JOINT SEALER. THE SEALER SHALL HAVE A NOMINAL WIDTH OF 30 mm (1-188") BEFORE COMPRESSION. JOINTS SHALL BE CLEANED PRIOR TO SEALING.
- TYPE LJ JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH DEFORMED LONGITUDINAL JOINT (SECTION D-D) (TYPE LJ).
- TYPE TCJ OR CJ JOINTS MAY BE FORMED AND SEALED BY ANY OF THE METHODS LISTED BELOW. ALL JOINTS SHALL BE FORMED OR SAW CUT TO THE DEPTH SHOWN IN TABLE 1, AND SHALL BE CLEANED IMMEDIATELY PRIOR TO SEALING.
 - WHEN JOINTS ARE FORMED WITH A REMOVABLE FORMING DEVICE, THE JOINTS SHALL BE SEALED WITH PERFORMED ELASTOMERIC SEALER OR SILICONE SEALER. THE SEALANT RESERVOIR SHALL BE SAW CUT TO THE REQUIRED WIDTH AND DEPTH.
 - WHEN JOINTS ARE FORMED BY SAWING, THE INITIAL CUT SHALL BE SAWS WITH A 3 mm (1/8") MIN. WIDTH BLADE. SAWING SHALL COMMENCE AS SOON AS THE CONCRETE HAS HARDENED SUFFICIENTLY TO PERMIT CUTTING THE CONCRETE WITHOUT CHIPPING, SPALLING OR TEARING AND SHALL BE COMPLETED PRIOR TO DEVELOPMENT OF RANDOM CRACKING. THE SEALANT RESERVOIR MAY BE SAW CUT TO THE REQUIRED WIDTH AND DEPTH SIMULTANEOUSLY WITH THE FIRST CUT OR ANY TIME LATER. JOINTS SHALL BE SEALED WITH PERFORMED ELASTOMERIC SEALER OR SILICONE SEALER.
 - WHEN JOINTS ARE FORMED WITH AN APPROVED PERMANENT JOINT FORMING AND SEALING DEVICE, THE DEVICE SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND NO ADDITIONAL SEALER IS REQUIRED.
- EXCEPT AS NOTED BELOW, DOWEL BARS & TIE BARS SHALL BE HELD IN PLACE BY SUPPORTS SIMILAR TO THE ONES SHOWN, OR APPROVED EQUALS. APPROVED MECHANICAL PLACEMENT OF DOWEL BARS AND TIE BARS WILL BE ALLOWED WITH ALL PAVING METHODS. WHEN DOWEL BAR BASKETS ARE USED, SPACER WIRES THAT SPAN ACROSS THE JOINT SHALL BE CUT AND REMOVED AFTER STAKING BASKETS IN PLACE.
- INSTALL FILTER CLOTH UNDER ALL TCJ AND EJ JOINTS WHEN CONCRETE PAVEMENT IS PLACED ON UNSTABILIZED OR UNTREATED BASE COURSE OR SUBBASES. WHEN DOWEL BARS ARE MECHANICALLY IMPLANTED, THE FILTER CLOTH SHALL BE ANCHORED TO THE BASE COURSE WITH PINS.
- NOT USED.
- WHEN A MOUNTABLE TYPE CURB IS POURED MONOLITHIC WITH THE CONCRETE PAVEMENT AND AN APPROVED MECHANICAL DEVICE IS USED FOR LOAD TRANSFER PLACEMENT, THE FIRST LOAD TRANSFER DEVICE SHALL BE INSTALLED 450 mm (18") FROM THE PAVEMENT EDGE.
- TRANSVERSE EXPANSION JOINTS SHALL NOT BE USED FOR CONSTRUCTION JOINTS.
- WHEN PLASTIC OR EPOXY COATED DOWEL BARS ARE USED, THE NEXT SMALLER SIZE OF DOWEL BARS MAY BE USED AT UNCHANGED SPACING. (IN ENGLISH UNITS: THE DOWEL BAR SIZE MAY BE REDUCED BY 1/8").

TABLE 1 (ENGLISH UNITS)
(ALL DIMENSIONS IN INCHES)

| PAVEMENT THICKNESS | SMOOTH DOWEL BARS | | | DEF. TIE BARS | | | DEPTH OF JOINT | | KEWAY | |
|--------------------|-------------------|--------|---------|---------------|--------|---------|----------------|--------|-------|-------|
| | SIZE | LENGTH | SPACING | SIZE | LENGTH | SPACING | TOL. & CJ #1" | LJ #1" | A #1" | B #1" |
| 7 OR LESS | 1 | 18 | 12 | 1/4 | 24 | 36 | 2 | 2-1/2 | 1-1/2 | 3/4 |
| 8 | 1-1/8 | 18 | 12 | 5/8 | 30 | 36 | 2-1/2 | 3 | 2-1/2 | 1-1/4 |
| 9 | 1-1/4 | 18 | 12 | 5/8 | 30 | 36 | 2-1/2 | 3-1/2 | 2-1/2 | 1-1/4 |
| 10 | 1-3/8 | 18 | 12 | 5/8 | 30 | 36 | 3 | 4 | 2-1/2 | 1-1/4 |
| 11 | 1-1/2 | 18 | 12 | 5/8 | 30 | 36 | 3 | 4 | 2-1/2 | 1-1/4 |
| 12 | 1-1/2 | 18 | 12 | 5/8 | 30 | 30 | 3-1/2 | 4-1/2 | 3 | 1-1/2 |
| 13 | 1-1/2 | 18 | 12 | 5/8 | 30 | 30 | 3-1/2 | 4-1/2 | 3 | 1-1/2 |
| 14 | 1-1/2 | 18 | 12 | 5/8 | 30 | 24 | 4 | 5 | 3 | 1-1/2 |

● FOR CONC. SHOULDERS, DOWEL BAR SPACING SHALL BE 24" OR LESS
⊙ FOR CONC. SHOULDERS, "T" IS THICKNESS AT TE PAVEMENT EDGE.



Note: "Prior to construction, the contractor will verify all utilities." If a conflict exist, notify the project engineer/architect.



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Civil & Environmental Consulting Engineers
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ASHTON PHASE 2B
ADDENDUM #1
ST. CHARLES PARISH, LOUISIANA

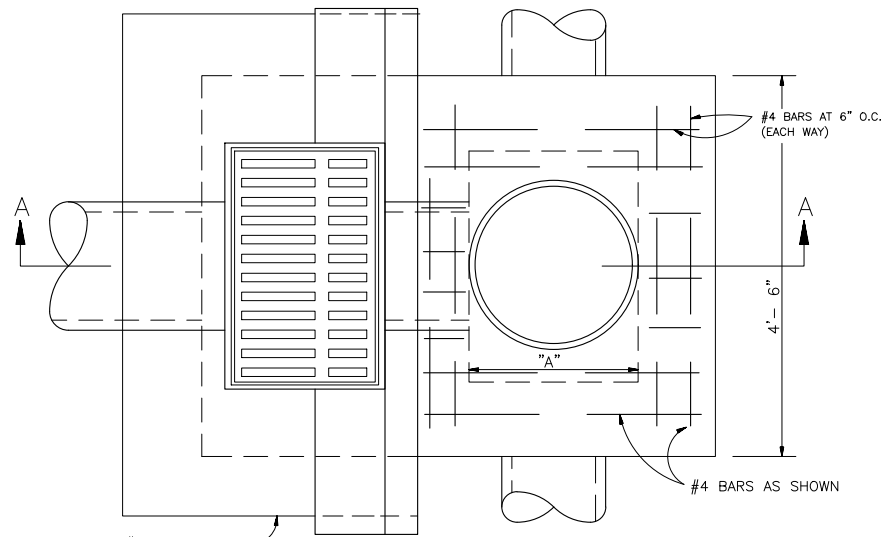
TYPICAL ROADWAY DETAIL

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14433 RIVER ROAD, HAHNVILLE, LOUISIANA 70057
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| DATE | 05/30/24 | PLOT SCALE | AS-SHOWN | DRAWING NO. | 12 |
| DESIGNED BY | MJJ | DRAWN BY | ISB | APPROVED BY | MJJ |
| CHECKED BY | DJH | CHECKED BY | MJJ | | |

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| 08/19/24 | REV. PER SCP | 1 |
| DATE | DESCRIPTION | NO. |
| | REVISIONS | |

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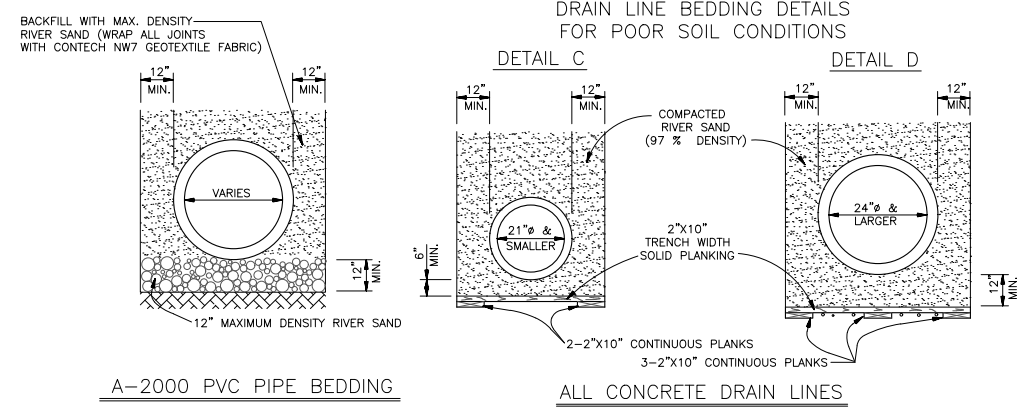


SEE TYPE #2 CATCH BASIN FOR DETAIL OF BORING
FOR DETAIL OF BORING
OF CATCH BASIN.

* WIDTH OF CATCH BASIN VARIES AS REQUIRED
TO REDUCE OR ELIMINATE LONGITUDINAL DRAINAGE
PIPE BENEATH THE ROADWAY.

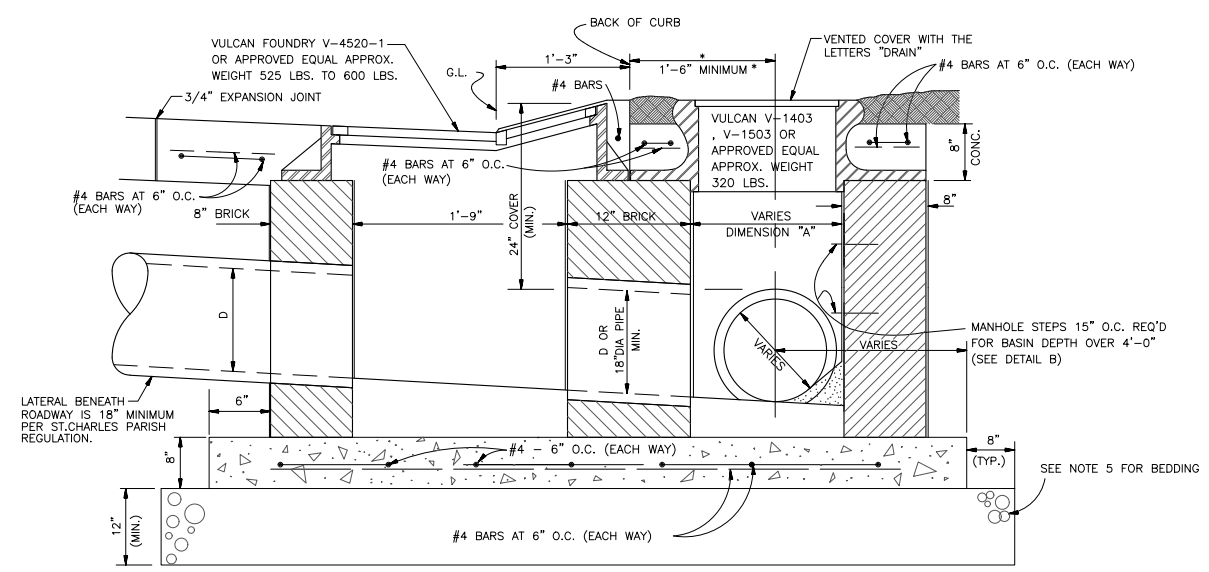
PLAN OF TYPE 3 CATCH BASIN

- NOTES**
- 1-CONCRETE STRENGTH TO BE 4'000 PSI (MIN.) AT 28 DAYS.
 - 2-12" THICK CRUSH STONE BEDDING FOUNDATION SHALL BE REQUIRED UNDER ALL MANHOLES AND CATCH BASINS.
 - 3-ALL CATCH BASINS AND MANHOLES GREATER THAN 4'-0" DEEP ARE REQUIRED TO HAVE IRON STEPS.
 - 4-CONTRACTOR MAY SUBSTITUTE "PRECAST CONCRETE" OR "POURED IN PLACE CONCRETE" DRAIN BASINS AND TRANSITION BOXES ONCE THE SUBMITTAL SHOWING ALL DETAILS IS APPROVED BY THE ENGINEER.



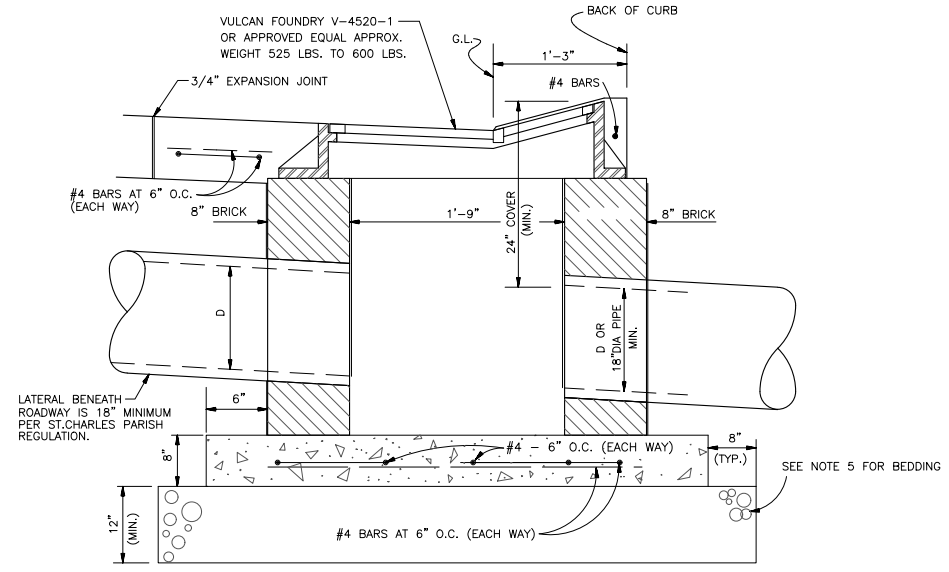
A-2000 PVC PIPE BEDDING

ALL CONCRETE DRAIN LINES



TYPE 3 CATCH BASIN SECTION A-A

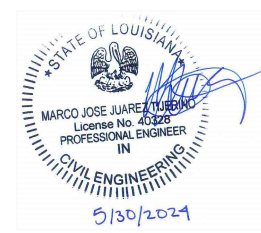
* WIDTH OF CATCH BASIN VARIES AS REQUIRED
TO REDUCE OR ELIMINATE LONGITUDINAL DRAINAGE
PIPE BENEATH THE ROADWAY



MODIFIED TYPE 3 CATCH BASIN SECTION

* WIDTH OF CATCH BASIN VARIES AS REQUIRED
TO REDUCE OR ELIMINATE LONGITUDINAL DRAINAGE
PIPE BENEATH THE ROADWAY

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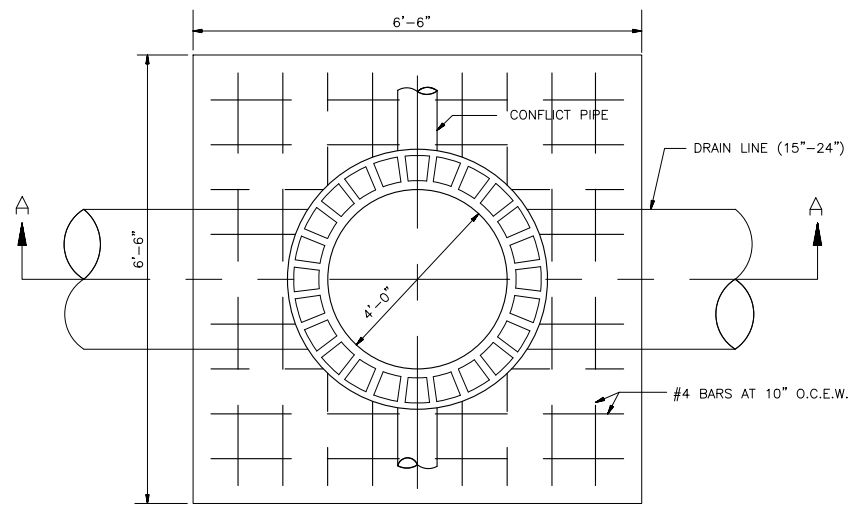
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| ASHTON PHASE 2B ADDENDUM #1 ST. CHARLES PARISH, LOUISIANA | | |
| DRAINAGE STANDARD DETAILS | | |
| DANNY J. HEBERT, P.E. CIVIL AND ENVIRONMENTAL CONSULTING ENGINEERS 14433 RIVER ROAD, HAHNVILLE, LOUISIANA 70057 PHONE: (985) 785-2380 | | |
| DATE: 05/30/24 | PLOT SCALE: AS-SHOWN | DRAWING NO. |
| DESIGNED BY: MJJ | DRAWN BY: ISB | 13 |
| CHECKED BY: DJH | CHECKED BY: MJJ | APPROVED BY: MJJ |

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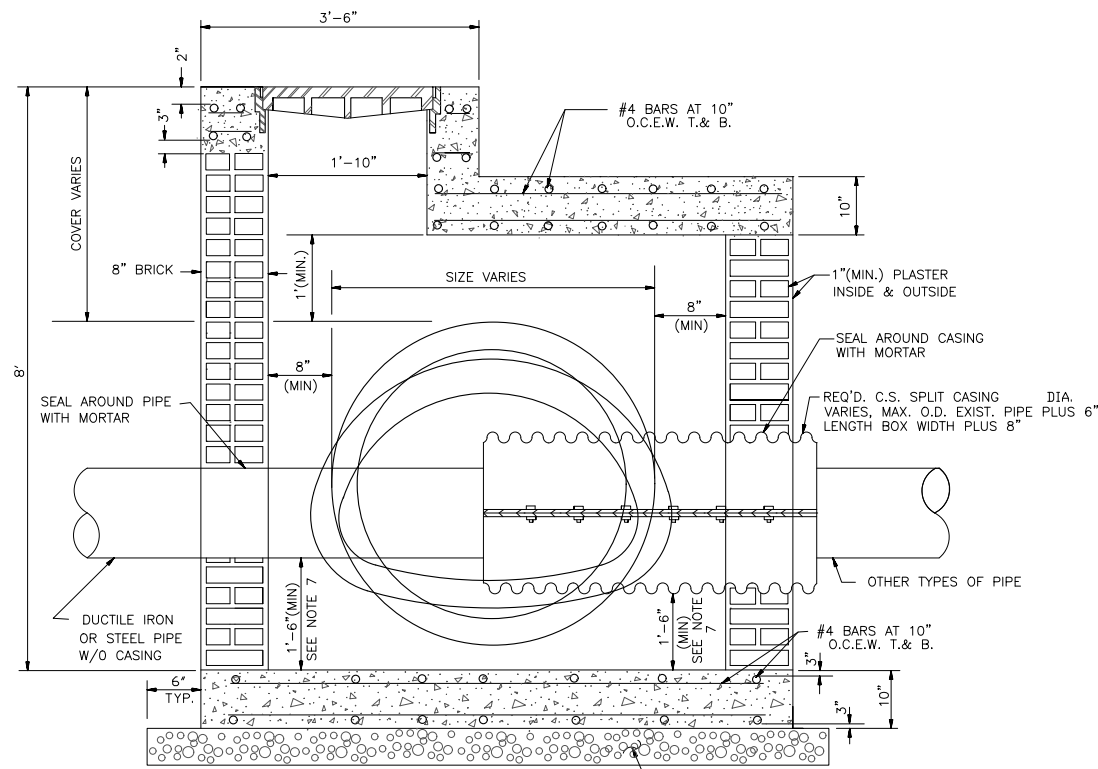
one call before you dig.
 1-800-879-8020

Note: "Prior to construction, the contractor will verify all utilities." If a conflict exist, notify the project engineer/architect.

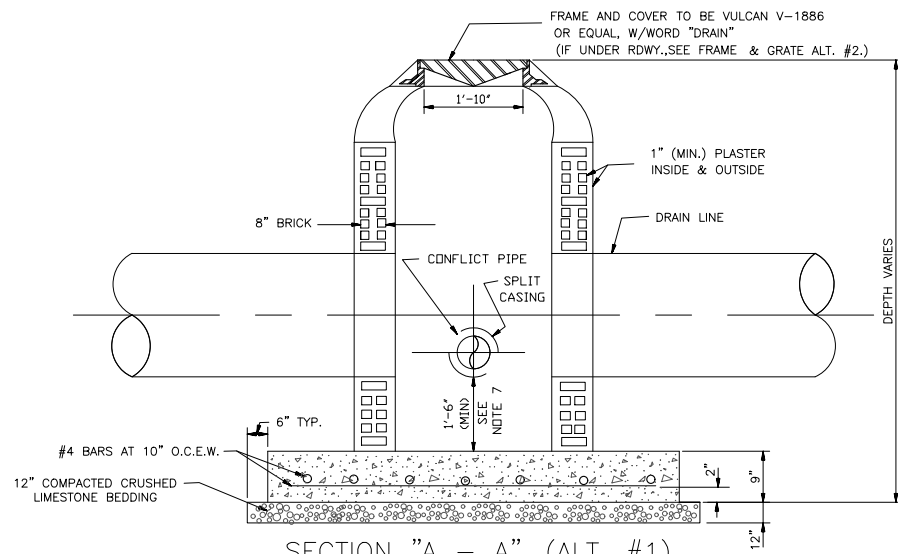
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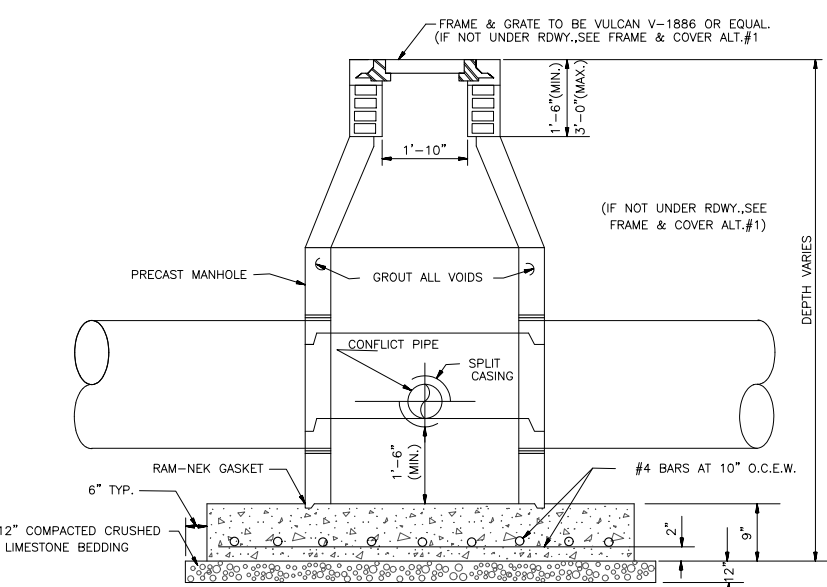
PLAN
N.T.S.



SECTION "A-A"
N.T.S.

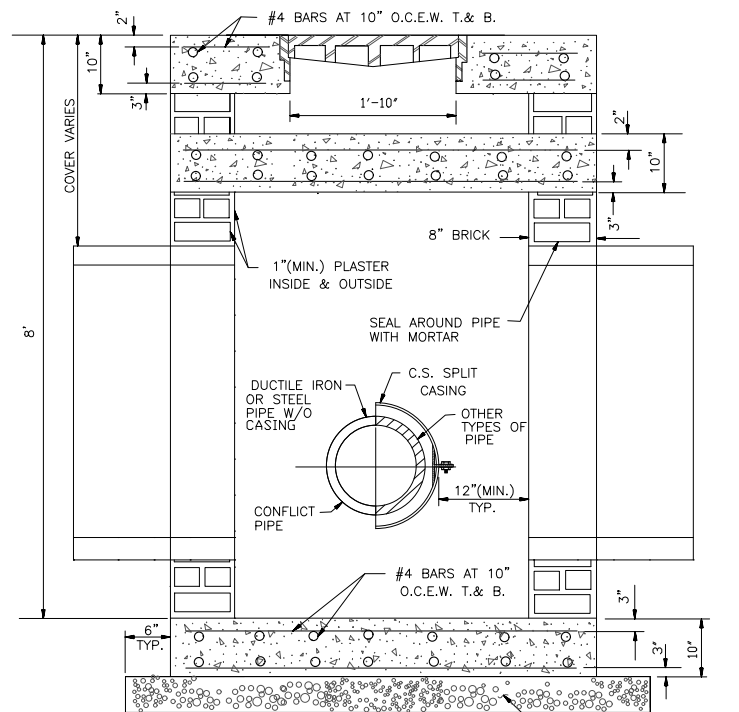


SECTION "A - A" (ALT. #1)
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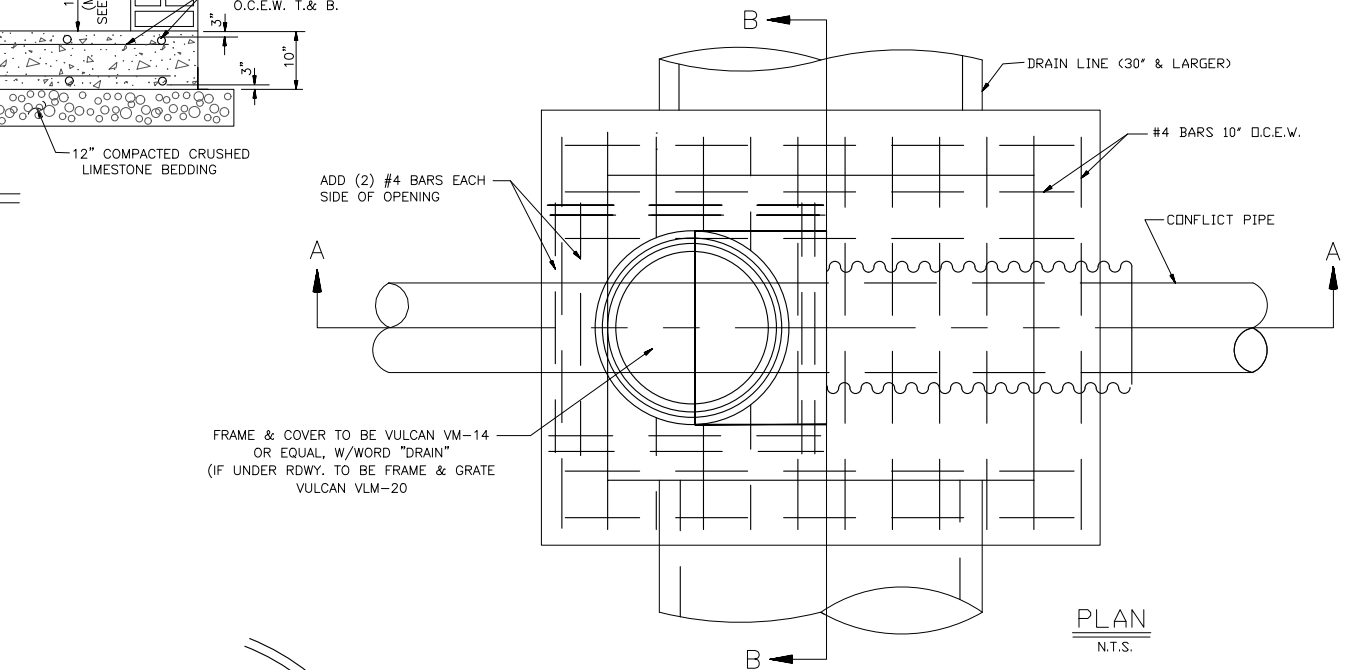


SECTION "A-A" (ALT. #2)
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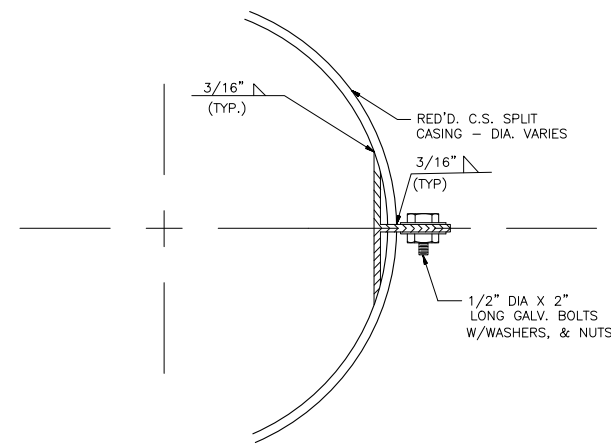
CONFLICT BOX DRAIN LINE (15"-24")



SECTION B B
N.T.S.



PLAN
N.T.S.



SPLIT CASING DETAIL
N.T.S.

NOTES:

1. CONCRETE STRENGTH TO BE 3000 PSI (min.) AT 28 DAYS.
2. REINFORCING STEEL SHALL CONFORM TO A.S.T.M. DESIGNATION A6150-GRADE 60.
3. ALL MASONRY TO BE LAID WITH RUNNING BOND AND HEADER COURSE, EVERY FOURTH LAYER.
4. THE MORTAR SHOULD BE TYPE "A", (C250 PSI COMPRESSION).
5. SPLIT CASING SHALL BE BITUMINOUS COATED CORRUGATED STEEL, IN COMPLIANCE WITH SEC.701-LA. DOTD STD. SPEC. (1982 EDITION). THICKNESS SHALL BE A MINIMUM 8 GAUGE UNCOATED.
6. THE BRICK SHALL CONFORM TO AASHTO DESIGNATION M91, MANHOLE BRICK GRADE MM.
7. IF BOTTOM ELEVATION OF THE CONFLICT IS ABOVE THE UPPER 3RD. OF THE INSIDE DIAMETER OF THE DRAIN LINE THE INVERT OF THE CONFLICT BOX COULD BE THE SAME AS THE INVERT OF THE DRAIN LINE SUBJECT TO THE APPROVAL OF THE PARISH.
8. ALL WATER LINES IN CONFLICT BOX SHALL BE DUCTILE IRON PIPE. OTHER PIPE MATERIAL SHALL BE INSTALLED IN SPLIT CASING.
9. THE EXTERIOR COATING OF ALL DUCTILE IRON PIPE AND FITTINGS PLACED IN THE GROUND SHALL CONSIST OF THE STANDARD BITUMINOUS COATING PLUS A POLYETHYLENE TUBE FOR ADDITIONAL PROTECTION. THE POLYETHYLENE TUBE SHALL BE EIGHT (8) MILS THICK. THE POLYETHYLENE TUBE AND ITS INSTALLATION PROCEDURES SHALL BE IN ACCORDANCE WITH THE SPECIFICATION OF ANSI-A21.5 AND AWWA-C105.



ASHTON PHASE 2B
ADDENDUM #1
ST. CHARLES PARISH, LOUISIANA

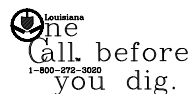
CONFLICT BOX

DANNY J. HEBERT, P.E.
CIVIL AND ENVIRONMENTAL CONSULTING ENGINEERS
14433 RIVER ROAD, HAHNVILLE, LOUISIANA 70057
PHONE: (985) 785-2380

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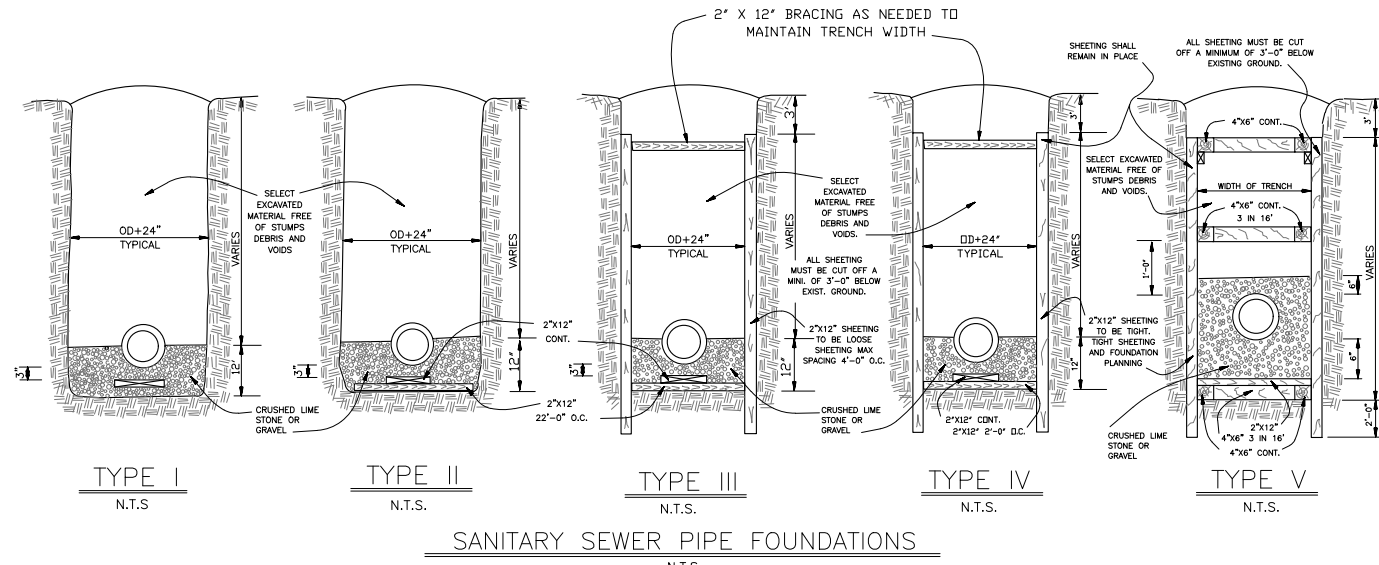
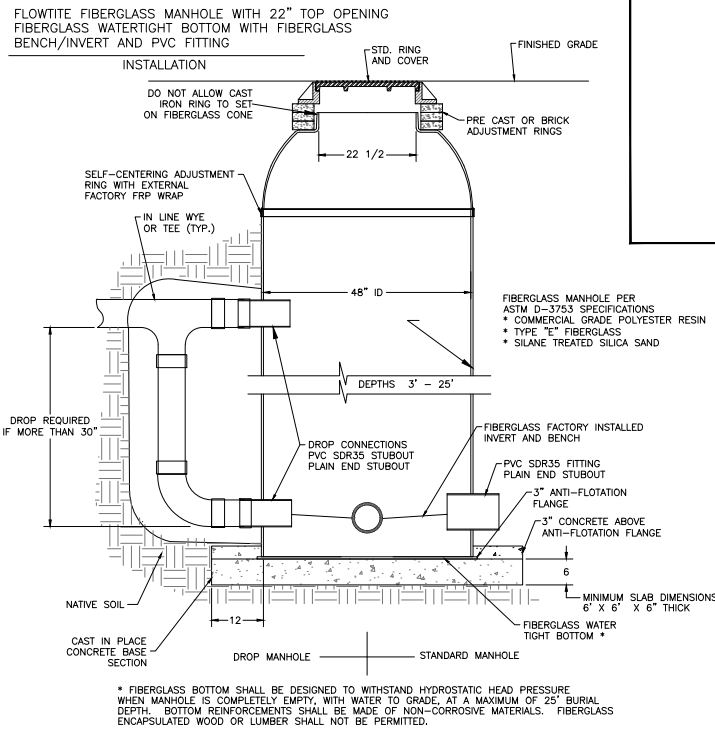
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FIBERGLASS SEWER MANHOLE



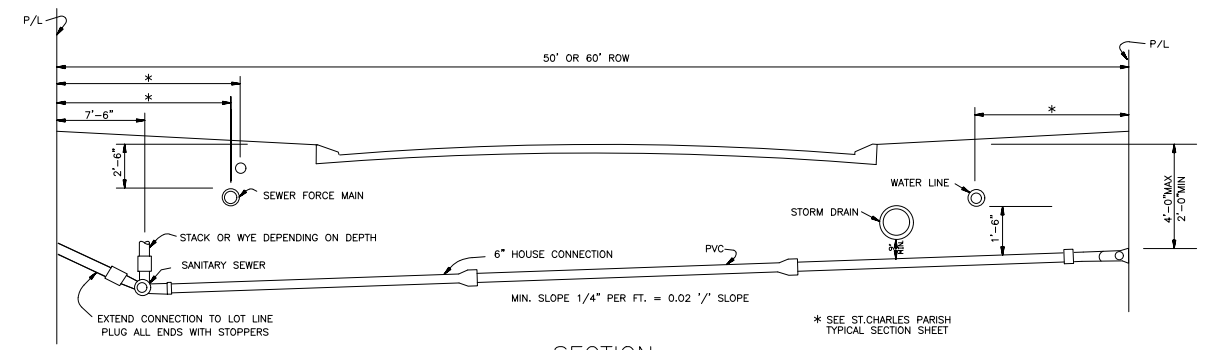
SANITARY SEWER PIPE FOUNDATIONS

SEWERAGE BEDDING TYPE VS DEPTH (FEET)

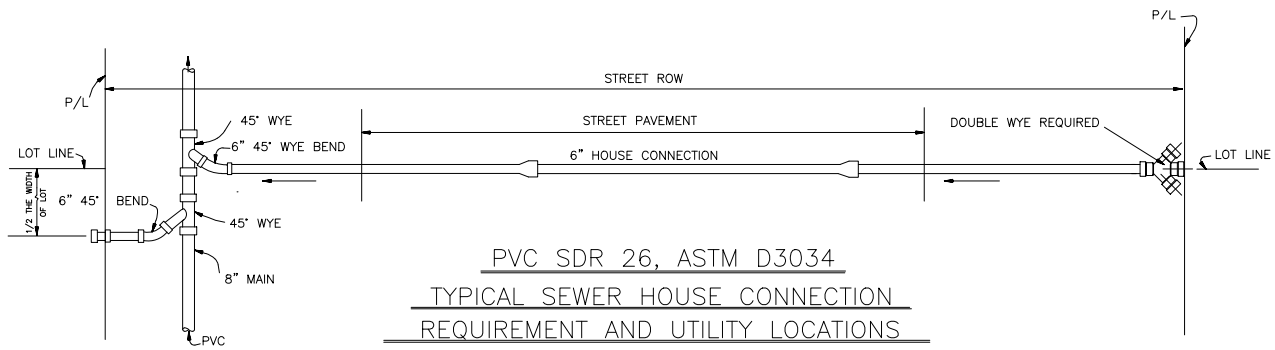
| SOIL TYPE | 0-4 | 4-6 | 6-8 | 8-10 |
|-----------|-----|-----|-----|------|
| 17 | I | II | III | V |
| 6 | I | II | III | V |
| 16 | II | III | IV | V |
| 14 | II | III | IV | V |
| 13 | II | III | IV | V |
| 3 | II | III | IV | V |
| 9 | II | III | IV | V |
| 5 | II | III | IV | V |
| 20 | II | III | IV | V |
| 18 | II | III | IV | V |
| 4 | II | III | IV | V |
| 11 | II | III | IV | V |
| 8 | II | III | IV | V |

BACKFILL WITH SELECT EXCAVATED MATERIAL FREE OF STUMPS, DEBRIS AND VOIDS.
NOTE:
 BEDDING MATERIALS FOR HOUSE CONNECTIONS TO BE IN CONFORMANCE WITH THE FOLLOWING SCHEDULE.

| TYPE OF MAIN SEWER BEDDING | TYPE OF REQUIRED HOUSE CONNECTION BEDDING |
|----------------------------|---|
| V | IV |
| IV | III |
| III | II |
| II | I |
| I | CRUSHED LIME STONE OR GRAVEL ONLY |

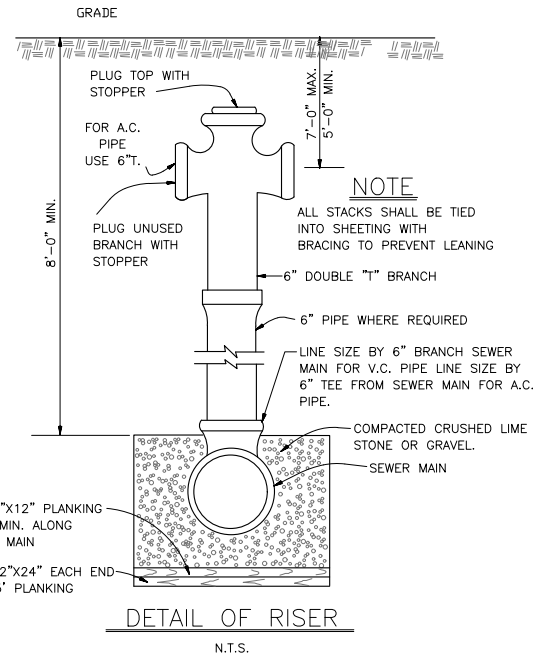


SECTION

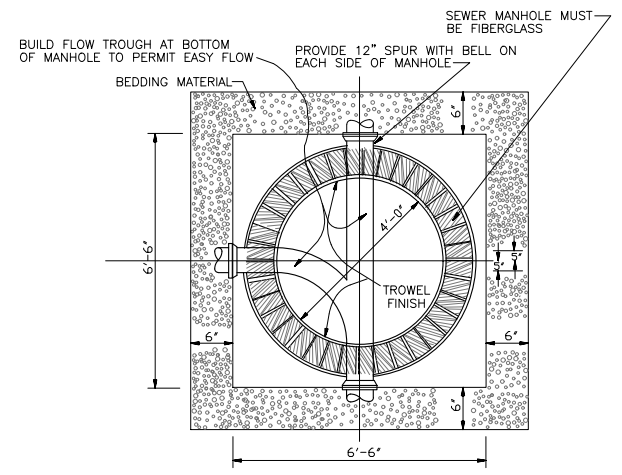


PVC SDR 26, ASTM D3034 TYPICAL SEWER HOUSE CONNECTION REQUIREMENT AND UTILITY LOCATIONS

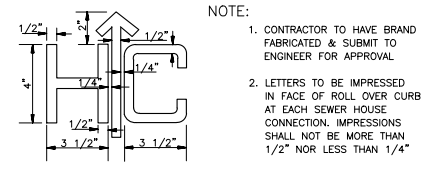
PIPE FOR HOUSE CONNECTION SHALL CONFORM TO SAME MATERIAL TYPE USED IN MAIN LINE.



DETAIL OF RISER

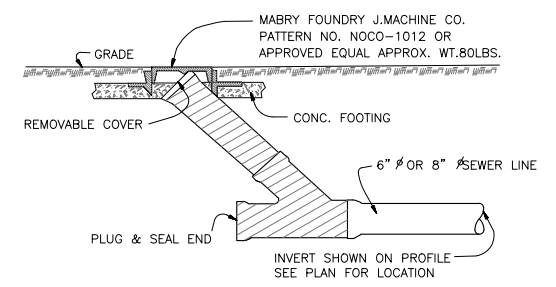


TYPICAL SEWER MANHOLE BOTTOM

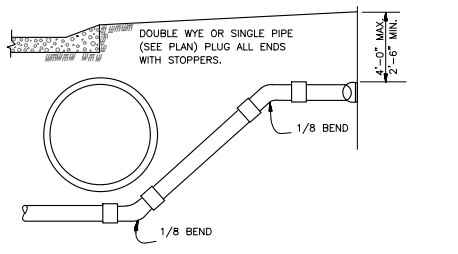


LETTER DETAIL FOR HOUSE CONNECTION MARKING DEVICE

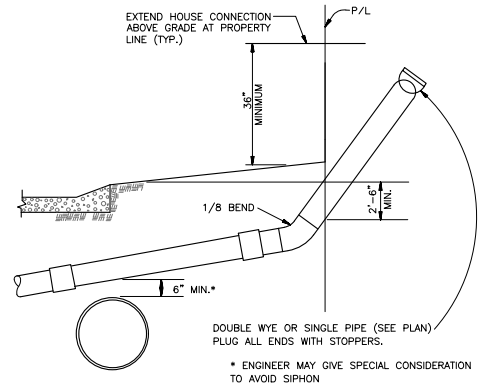
- NOTE:**
- CONTRACTOR TO HAVE BRAND FABRICATED & SUBMIT TO ENGINEER FOR APPROVAL
 - LETTERS TO BE IMPRESSED IN FACE OF ROLL OVER CURB AT EACH SEWER HOUSE CONNECTION. IMPRESSIONS SHALL NOT BE MORE THAN 1/2" NOR LESS THAN 1/4"



CLEANOUT DETAIL



HOUSE CONNECTION UNDER DEEP DRAIN



HOUSE CONNECTION OVER DRAIN



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 www.hebertengineering.com
 (985) 785-2380

ASHTON PHASE 2B
ADDENDUM #1
 ST. CHARLES PARISH, LOUISIANA

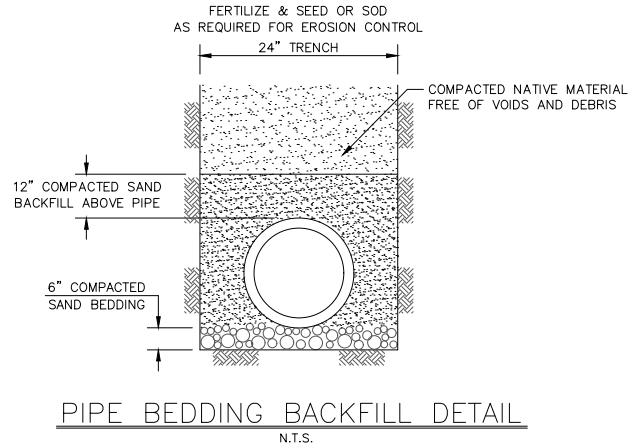
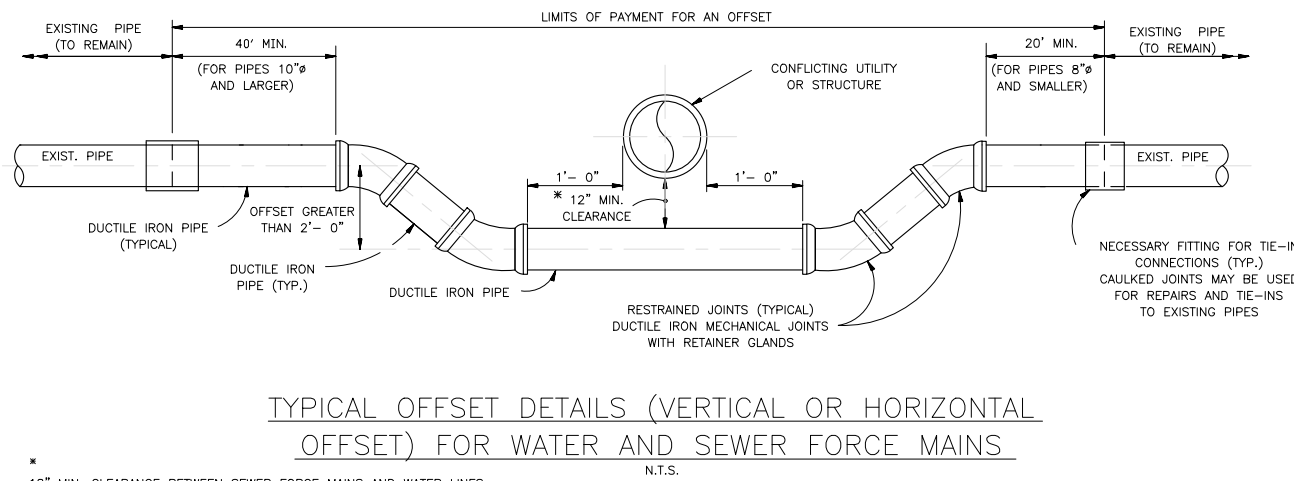
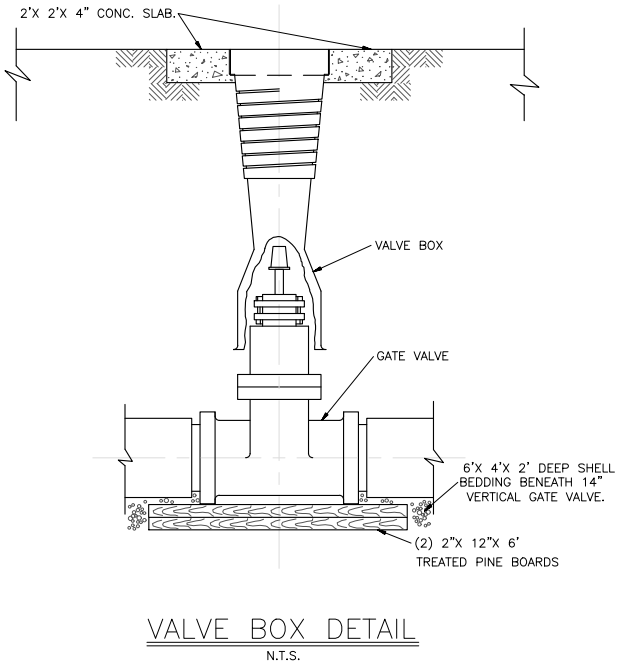
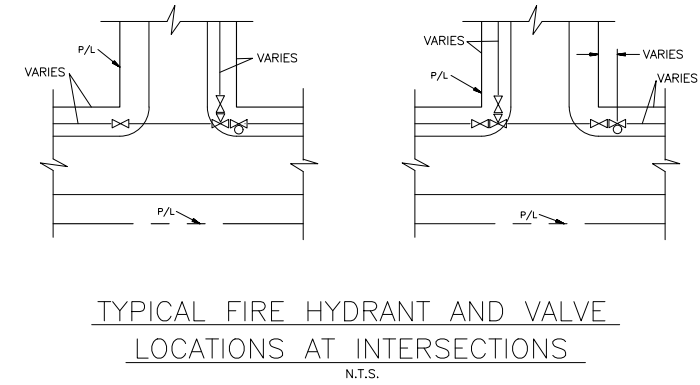
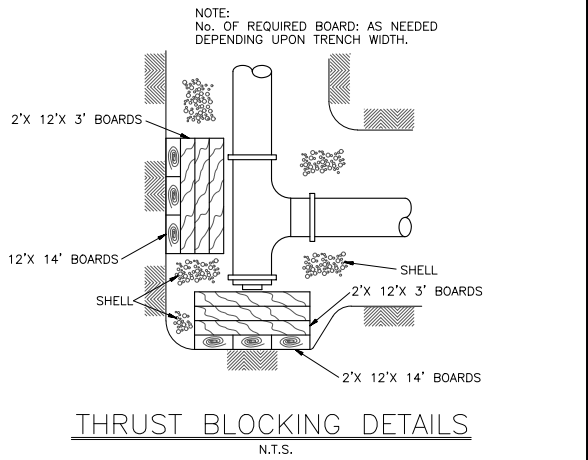
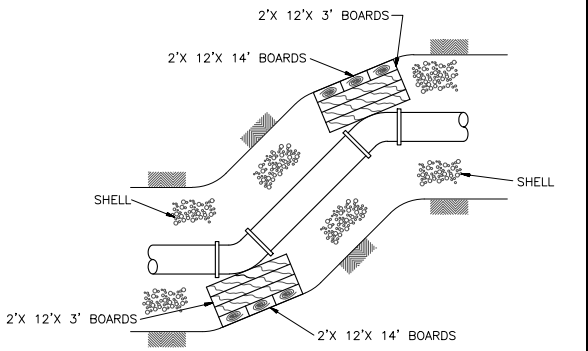
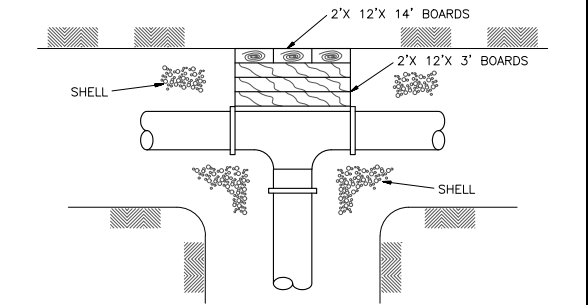
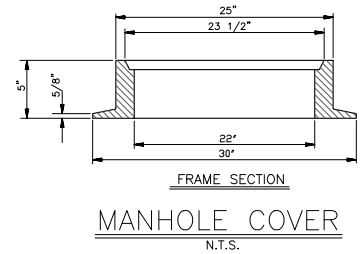
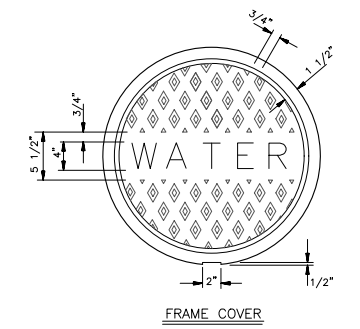
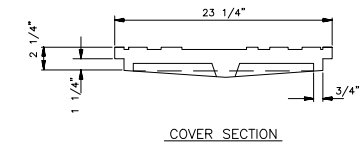
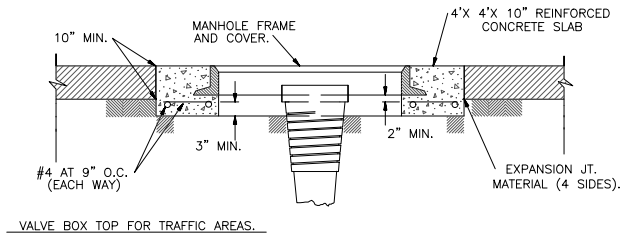
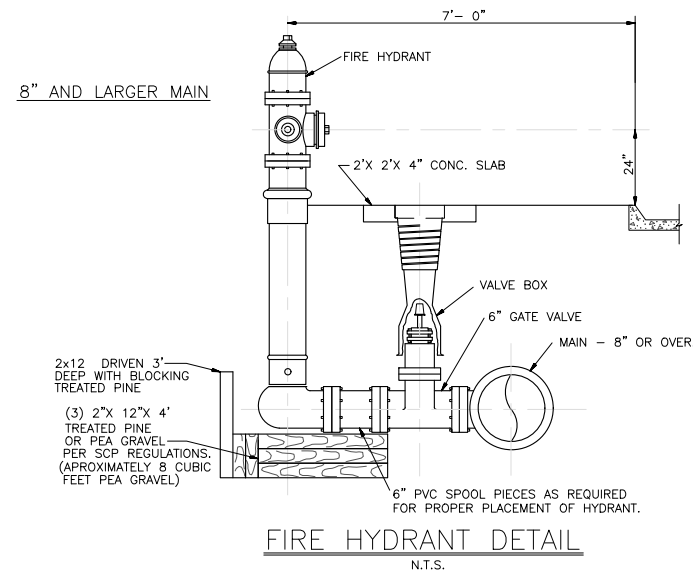
SEWER DETAILS

DANNY J. HEBERT, P.E.
 CIVIL AND ENVIRONMENTAL CONSULTING ENGINEERS
 14433 RIVER ROAD, HAHNVILLE, LOUISIANA 70057
 PHONE: (985) 785-2380

| | | | | | |
|--------------|----------|-------------|----------|--------------|-----|
| DATE: | 05/30/24 | PLOT SCALE: | AS-SHOWN | DRAWING NO. | 15 |
| DESIGNED BY: | MJJ | DRAWN BY: | ISB | APPROVED BY: | MJJ |
| CHECKED BY: | DJH | CHECKED BY: | MJJ | | |

one call before you dig.
 1-800-679-8000
 Note: "Prior to construction, the contractor will verify all utilities." If a conflict exist, notify the project engineer/architect.

THIS LINE IS ONE INCH LONG WHEN PLOTTED FULL SCALE



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STATE OF LOUISIANA

MARCO JOSE JUAREZ TURIANO

License No. 40328

PROFESSIONAL ENGINEER IN

CIVIL ENGINEERING

5/30/2024

| | | |
|--|----------|----------------------|
| ASHTON PHASE 2B ADDENDUM #1 ST. CHARLES PARISH, LOUISIANA | | |
| WATER DETAILS | | |
| DANNY J. HEBERT, P.E. CIVIL AND ENVIRONMENTAL CONSULTING ENGINEERS 14433 RIVER ROAD, HAHNVILLE, LOUISIANA 70057 PHONE: (985) 785-2380 | | |
| DATE: | 05/30/24 | PLOT SCALE: AS-SHOWN |
| DESIGNED BY: | MJJ | DRAWN BY: ISB |
| CHECKED BY: | DJH | CHECKED BY: MJJ |
| DRAWING NO. | | 16 |
| APPROVED BY: | | MJJ |

| DATE | DESCRIPTION | NO. |
|------|-------------|-----|
| | | |
| | | |
| | | |

one
call before
you dig.

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