

LEGEND - NEW IMPROVEMENTS

	BUILDING
	CURB & GUTTER
	PARKING SPACES
	SITE LIGHTING POLES
	ADA RAMP
	DIRECTIONAL ARROWS
	GRASS/LANDSCAPE AREA

LEGEND - STRIPING

	SWSL/4" - SINGLE WHITE SOLID LINE / 4" WIDE
	DYSL/4" - DOUBLE YELLOW SOLID LINE / 4" WIDE EACH
	SYSL/4" - SINGLE YELLOW SOLID LINE / 4" WIDE
	SWDL/4" - SINGLE WHITE DASHED LINE / 4" WIDE
	SBSL/4" - SINGLE BLUE SOLID LINE / 4" WIDE
	SWSL/24" - SINGLE WHITE SOLID LINE / 24" WIDE
	SWSL/8" - SINGLE WHITE SOLID LINE / 8" WIDE

CLINIC SITE ANALYSIS

BUILDING	17,496 S.F.
PARKING	110 SPACES
RATIO	6.29 / 1000 S.F.

SCHOOL SITE ANALYSIS

BUILDING	14,148 S.F.
PARKING	87 SPACES
RATIO	6.15 / 1000 S.F.

SITE LAYOUT NOTES:

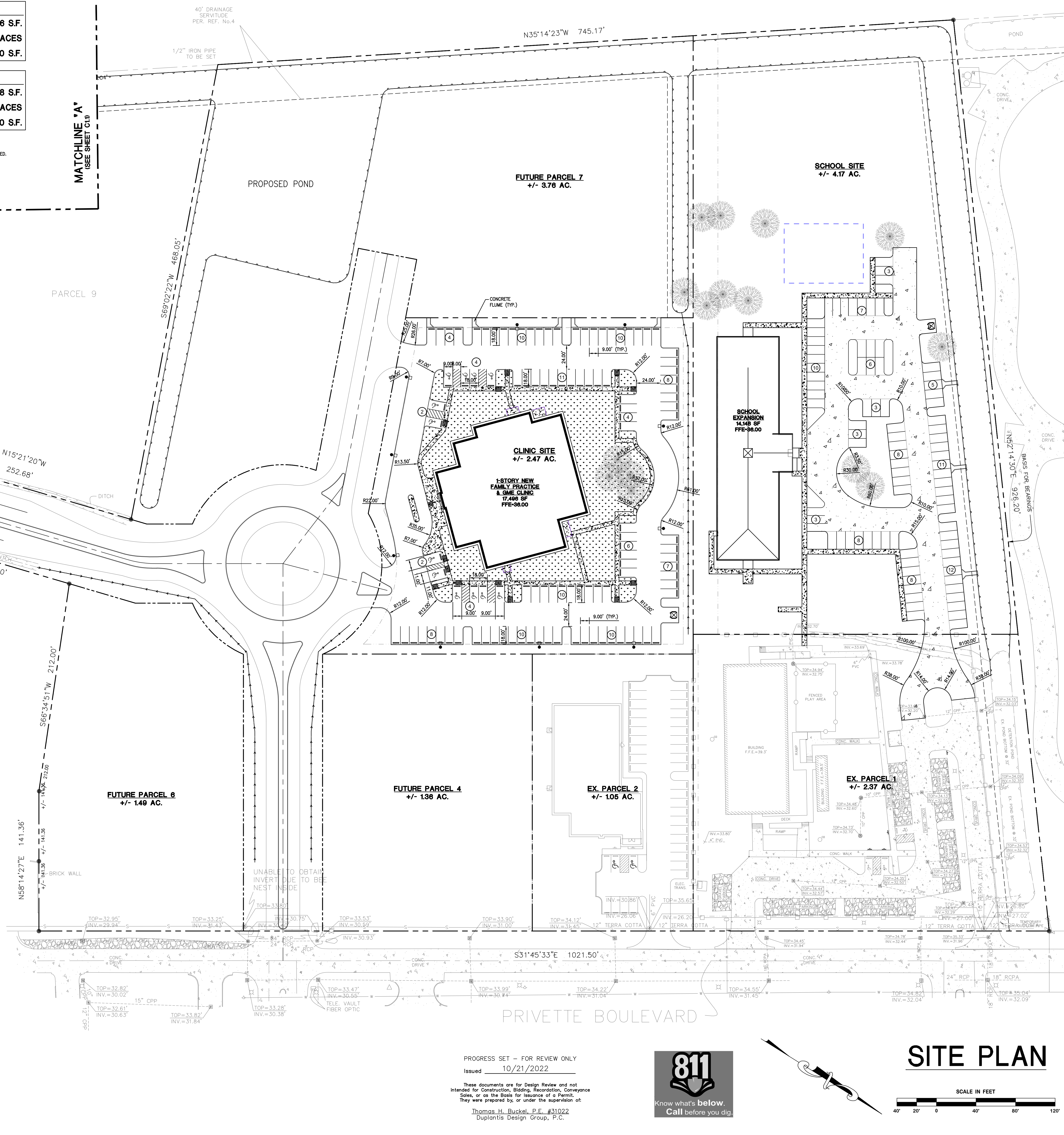
1. DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
2. ALL RADI ARE 5 FEET UNLESS NOTED OTHERWISE.

SITE PLAN NOTES:

1. CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF SLOPE PAVING, SIDEWALKS, EXIT PORCHES, RAMPS, PRECISE BUILDING DIMENSIONS, AND EXACT BUILDING UTILITY ENTRANCE LOCATIONS.
2. ALL UNSURFACED AREAS ARE TO RECEIVE FOUR INCHES OF TOPSOIL, SEED, MULCH, OR SOD, AND WATERED UNTIL A HEALTHY STAND OF GRASS IS OBTAINED IN ACCORDANCE WITH THE LANDSCAPE PLANS.
3. PROPERTY BOUNDARY AND TOPOGRAPHIC INFORMATION WAS PROVIDED BY RANDALL BROWN AND ASSOCIATES, INC. DATED SEPTEMBER 28, 2022.
4. CONTRACTOR IS RESPONSIBLE FOR PROTECTING EXISTING BENCHMARK.
5. ALL WORK SHOWN SHALL BE DONE IN ACCORDANCE WITH THE PLANS.
6. ALL STRIPING SHALL COMPLY WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES LATEST EDITION.
7. EXISTING UTILITY LINES SHOWN ARE APPROXIMATE LOCATIONS ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LINE LOCATIONS PRIOR TO ANY CONSTRUCTION. ANY DEVIATIONS FROM THE DESIGN LOCATIONS SHALL BE REPORTED TO THE OWNER OR ENGINEER PRIOR TO CONSTRUCTION.
8. CONTRACTOR SHALL REFER TO ARCHITECT'S PLANS AND SPECIFICATIONS FOR ENTRY LOCATION OF ALL WATER, SEWER SERVICE, ELECTRICAL, AND TELEPHONE SERVICE. CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES IN SUCH A MANNER AS TO AVOID CONFLICTS AND ASSURE PROPER DEPTHS ARE ACHIEVED AS WELL AS COORDINATING WITH THE REGULATORY AGENCY AS TO THE LOCATION AND TIE-INS/CONNECTIONS TO THEIR FACILITIES.
9. ALL DIMENSIONS SHOWN TO BUILDING ARE TO OUTSIDE FACE OF BUILDING.
10. ALL NECESSARY PERMITS AND APPROVALS FROM AGENCIES GOVERNING THE CONSTRUCTION OF THIS WORK SHALL BE SECURED PRIOR TO BEGINNING CONSTRUCTION.
11. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL AREAS INDICATED TO REMAIN UNDISTURBED OR TO REMAIN AS BUFFERS. ALL PROPERTY CORNERS, AND REPLACING ALL PINS ELIMINATED OR DAMAGED DURING CONSTRUCTION.
12. CONTRACTOR IS RESPONSIBLE FOR REPAIRS OR DAMAGE TO ANY EXISTING IMPROVEMENTS DURING CONSTRUCTION, SUCH AS, BUT NOT LIMITED TO, DRAINAGE, UTILITIES, PAVEMENT, STRIPING, CURB, ETC. REPAIRS SHALL BE EQUAL TO OR BETTER THAN EXISTING CONDITIONS.
13. THE SITE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL UNDERGROUND UTILITIES WITH HIS WORK. ALL UNDERGROUND UTILITIES (WATER, SANITARY SEWER, STORM SEWER, ELECTRICAL CONDUIT, AND ANY OTHER MISC. UTILITIES) SHALL BE IN PLACE PRIOR TO THE PLACEMENT OF BASE COURSE MATERIAL, AND THE PLACEMENT OF ANY APPROPRIATE SOIL STABILIZATION TECHNIQUE.
14. CONTRACTOR SHALL PROVIDE BOLLARDS FOR PROTECTION OF ALL ABOVE GROUND UTILITIES AND APURTANCES ADJACENT TO DRIVE AREAS.
15. CONTRACTOR SHALL MATCH EXISTING PAVEMENT IN GRADE AND ALIGNMENT.
16. CONTRACTOR TO REMOVE OR RELOCATE WHEN APPLICABLE, ALL EXISTING BUILDINGS, FOUNDATIONS, BASEMENTS, AND CONNECTING IMPROVEMENTS, DRAIN PIPES, SANITARY SEWER PIPE, POWER POLES AND GUY WIRES, WATER METERS AND WATER LINES, WELLS, SIDEWALKS, SIGN POLES, UNDERGROUND GAS SEPTIC TANKS, PAVEMENT AND FENCES SHOWN WITHIN CONSTRUCTION LIMITS, AND WHERE NEEDED TO ALLOW FOR FILL MATERIAL, CONTRACTOR TO REVIEW SITE AS IT RELATES TO DEMOLITION WORK TO INSURE ALL DEMOLITION ITEMS ARE INCLUDED IN THE BASE BID.
17. CONSTRUCTION SHALL COMPLY WITH ALL GOVERNING CODES AND BE CONSTRUCTED TO THE SAME.
18. ANY WORK IN THE RIGHT-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH ST. TAMMANY PARISH & THE LOUISIANA DEPARTMENT OF TRANSPORTATION ENGINEERING STANDARDS & SPECIFICATIONS.
19. FLOOD NOTE: IN ACCORDANCE WITH FEMA FLOOD INSURANCE RATE MAP, PANEL NUMBER 2210C0098F OF ST. TAMMANY PARISH, LOUISIANA, LAST REVISED APRIL 30, 2008, THE PROPERTY SHOWN HEREON IS LOCATED IN FLOOD ZONE "X".

LEGEND - EXISTING

	1/2" IRON PIPE SET (UNLESS NOTED)		ELEVATION OF TOP OF STRUCTURE	TOP=18.00'
	EXISTING POWER UTILITY POLE		ELEVATION OF BOTTOM OF STRUCTURE	INV.=15.00'
	EXISTING STANDARD LIGHT		EXISTING SPOT ELEVATION	X 10.63
	EXISTING GUY ANCHOR		EXISTING GROUND CONTOUR LINE	---
	EXISTING OVERHEAD POWER LINE		EXISTING SEWER MANHOLE	⊙
	EXISTING TELEPHONE PEDESTAL		EXISTING SEWER CLEANOUT	⊕
	EXISTING TELEPHONE VAULT		EXISTING GRAVITY SEWER LINE	—○—
	EXISTING TELEPHONE LINE		EXISTING DRAINAGE MANHOLE	⊙
	EXISTING CABLE/FIBER OPTIC PEDESTAL		EXISTING SUBSURFACE DRAINAGE	---
	EXISTING CABLE TV LINE		EXISTING DRAINAGE DROP INLET	⊕
	EXISTING GAS VALVE		EXISTING FIRE HYDRANT	⊕
	EXISTING GAS LINE		EXISTING WATER METER	⊕
	EXISTING CHAIN LINK LINE		EXISTING WATER VALVE	⊕
	EXISTING WOOD FENCE LINE		EXISTING WATER LINE	---
	EXISTING GUARD RAIL		EXISTING TERRA-COTTA PIPE	8" TC
	EXISTING CONCRETE		EXISTING REINFORCED CONCRETE PIPE	18" RCP
	EXISTING GRAVEL		EXISTING REIN. CONCRETE PIPE ARCH'D	18" RCPA
			EXISTING CORRUGATED PLASTIC PIPE	24" CPP
			EXISTING POLYVINYL CHLORIDE PIPE	12" PVC

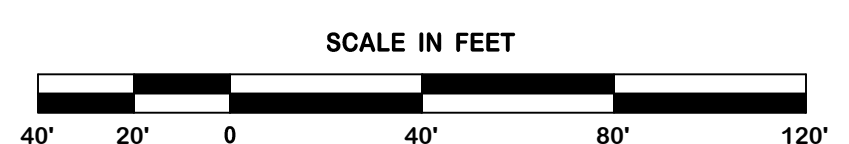


PROGRESS SET - FOR REVIEW ONLY
Issued 10/21/2022

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SITE PLAN



CONSTRUCTION DOCUMENTS

Date: 19 OCTOBER 2022



Job No. 22-1727

Drawn by AMR Checked by THB

C1.0
Sheet No.

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LEGEND - NEW IMPROVEMENTS

- SUBSURFACE DRAINAGE
DOWNSPOUT COLLECTOR DRAINAGE
MANHOLE
AREA INLET
CURB INLET
OUTLET CONTROL STRUCTURE
CLEANOUT
CONTOUR
SMALE
SPOT ELEVATION
SPOT ELEVATION (TOP OF PAVEMENT)
SPOT ELEVATION (TOP OF CONCRETE)
SPOT ELEVATION (MATCH EXISTING)
SLOPE
STRUCTURE NUMBER
PERMANENT RIP RAP

LEGEND - EXISTING

- 1/2" IRON PIPE SET (UNLESS NOTED)
EXISTING POWER UTILITY POLE
EXISTING STANDARD LIGHT
EXISTING GUY ANCHOR
EXISTING OVERHEAD POWER LINE
EXISTING TELEPHONE PEDESTAL
EXISTING TELEPHONE VAULT
EXISTING TELEPHONE WALK
EXISTING CABLE/FIBER OPTIC PEDESTAL
EXISTING CABLE TV LINE
EXISTING GAS VALVE
EXISTING GAS LINE
EXISTING CHAIN LINK FENCE
EXISTING WOOD FENCE LINE
EXISTING GUARD RAIL
EXISTING CONCRETE
EXISTING GRAVEL
ELEVATION OF TOP OF STRUCTURE
ELEVATION OF BOTTOM OF STRUCTURE
EXISTING SPOT ELEVATION
EXISTING GROUND CONTOUR LINE
EXISTING SEWER MANHOLE
EXISTING SEWER CLEANOUT
EXISTING DENSITY SEWER LINE
EXISTING DRAINAGE MANHOLE
EXISTING DRAINAGE DROP INLET
EXISTING FIRE HYDRANT
EXISTING WATER METER
EXISTING WATER VALVE
EXISTING WATER LINE
EXISTING TERRAZZO-COTTA PIPE
EXISTING REINFORCED CONCRETE PIPE
EXISTING REIN. CONCRETE PIPE ARCHED
EXISTING CORRUGATED PLASTIC PIPE
EXISTING POLYVINYL CHLORIDE PIPE

MATCHLINE "A" (SEE SHEET C2.1)

MATCHLINE "A" (SEE SHEET C2.1)

SITE PREPARATION NOTES:

- 1. SITE PREPARATION IS EXPECTED TO INCLUDE, BUT NOT LIMITED TO CLEARING OF THE SITE AND STRIPPING...
2. THE EXPOSED SUBGRADE IN THE BUILDING AND PARKING AREAS SHALL BE PROTECTED WITH A RUBBER TIRE...
3. AFTER SUBGRADE PREPARATION AND OBSERVATION HAVE BEEN COMPLETED, THE INITIAL LAYER OF FILL...
4. THE FILL SHALL BE PLACED IN MAXIMUM LIFTS OF EIGHT (8) INCHES OF LOOSE MATERIALS AND SHALL BE COMPACTED...

GRADING NOTES:

- 1. TOPOGRAPHIC INFORMATION WAS TAKEN FROM A TOPOGRAPHIC SURVEY BY RANDALL BROWN AND ASSOCIATES, INC. DATED SEPTEMBER 29, 2022...
2. EXISTING GRADE CONTOURS INTERVAL SHOWN AT ONE FOOT (1').
3. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES...
4. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL UTILITIES AND NOTIFYING THE APPROPRIATE UTILITY COMPANY...
5. CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING STORM SEWER STRUCTURES, PIPES, AND ALL UTILITIES PRIOR TO CONSTRUCTION...
6. CLEARING AND GRUBBING LIMITS SHALL INCLUDE ALL AREAS DISTURBED BY GRADING OPERATIONS...
7. THE EARTHWORK FOR ALL BUILDING FOUNDATIONS AND SLABS SHALL BE IN ACCORDANCE WITH THE FOUNDATION SUBSURFACE PREPARATION NOTE...
8. FINISHED GRADE CONTOUR INTERVALS SHOWN AT ONE FOOT (1').
9. CONTRACTOR SHALL COORDINATE WITH ARCHITECTURAL PLANS, POWER COMPANY, AND TELEPHONE COMPANY...
10. CONSTRUCTION SHALL COMPLY WITH ALL GOVERNING CODES AND BE CONSTRUCTED TO THE SAME...
11. CONTRACTOR IS RESPONSIBLE FOR REPAIRS OF DAMAGE TO ANY EXISTING IMPROVEMENTS DURING CONSTRUCTION...
12. ALL UNSURFACED AREAS DISTURBED BY GRADING OPERATION SHALL RECEIVE 500 OR 4 INCHES OF TOPSOIL...
13. CONTRACTOR SHALL COMPLY TO THE FULLEST EXTENT WITH THE LATEST STANDARD OF OSHA DIRECTIVES...
14. CONTRACTOR SHALL USE SUPPORT SYSTEMS, SLOPING, BENCHING, AND OTHER MEANS OF PROTECTION...
15. CONTRACTOR IS RESPONSIBLE TO COMPLY WITH PERFORMANCE CRITERIA FOR OSHA.

STORM DRAINAGE NOTES:

- 1. ALL PIPES ENTERING STORM SEWER STRUCTURES SHALL BE SEALED TO ASSURE CONNECTION AT STRUCTURE IS WATER TIGHT.
2. ALL PIPES AND STRUCTURES ON STREET RIGHT-OF-WAY SHALL BE PER LOUISIANA DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS.
3. REFERENCE DETAIL SHEETS FOR CONSTRUCTION DETAILS.

PIPE NOTES:

- IN THE DRAINAGE CHART, THE "PIPE TYPE" COLUMN DEFINES THE SIZE AND MATERIAL TYPE OF THE PIPE. WHERE A SPECIFIC PIPE TYPE IS CALLED FOR, THAT SPECIFIC PIPE TYPE MUST BE UTILIZED. WHERE AN ASTERISK (*) IS SPECIFIED, THE CONTRACTOR MAY UTILIZE ANY ONE OF THE PIPE TYPES LISTED BELOW. THE #S LISTED REFER TO THE FOLLOWING PIPE TYPES:
1. REINFORCED CONCRETE PIPE (RCP/RCPA)
2. HIGH DENSITY POLYETHYLENE PIPE (HDPE OR CPP)
3. POLYVINYL CHLORIDE PIPE (PVC)
4. CORRUGATED METAL PIPE (CMP) OF NEXT HIGHER SIZE (+6")

- NOTES:
1. PRIOR TO UTILIZING THIS PIPE OPTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THAT THE CMP PIPE HAS ADEQUATE COVER PER THE MANUFACTURER'S RECOMMENDATIONS.
2. THE CONTRACTOR SHALL SUBMIT BUOYANCY CALCULATIONS ON ALL RUNS OF PIPE THAT DO NOT UTILIZE CONCRETE PIPE. BUOYANCY CALCULATIONS SHALL BE PREPARED, SIGNED, AND SEALED BY A REGISTERED ENGINEER, SHALL REPRESENT ACTUAL FIELD CONDITIONS, AND SHALL DEMONSTRATE THAT THE PIPE UTILIZED WILL NOT BECOME BUOYANT UNDER ANY CONDITIONS. THE CONTRACTOR MAY ELECT TO PROVIDE A RESTRAINING SYSTEM, DESIGNED BY A REGISTERED ENGINEER, ADEQUATE TO RESIST BUOYANT FORCES WHERE NECESSARY.

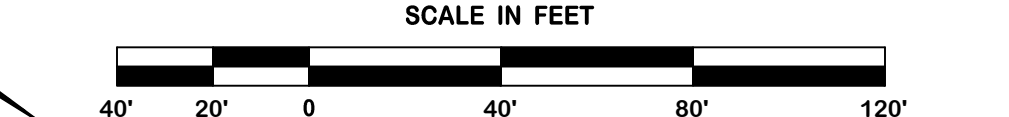
STRUCTURE TYPES:

- DRAINAGE STRUCTURES SHALL BE PRECAST OR CAST-IN-PLACE CONCRETE IN ACCORDANCE WITH DOTD REQUIREMENTS AS FOLLOWS:
AREA INLETS CB-01 (PIPE SIZE 36" & SMALLER) CB-02 (PIPES LARGER THAN 36")
MANHOLES RCB-11 MOD. SEE DETAIL SHEET
MANHOLES FLUMES SEE DETAIL SHEET
ALL INLET FRAMES & GRATES SHALL BE VULCAN FOUNDRY CORP. CATALOG #V-4963 OR EQUAL.

PROGRESS SET - FOR REVIEW ONLY Issued 10/21/2022



GRADING PLAN



NEW FAMILY PRACTICE & GME CLINIC FOR ST. TAMMANY HEALTH SYSTEM

CONSTRUCTION DOCUMENTS

Date 19 OCTOBER 2022



Job No. 22-1727

Drawn by AMR Checked by THB

Sheet No. C2.0

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LEGEND - EXISTING

1/2" IRON PIPE SET (UNLESS NOTED)	●	ELEVATION OF TOP OF STRUCTURE	TOP=18.00'
EXISTING POWER UTILITY POLE	⊕	ELEVATION OF BOTTOM OF STRUCTURE	INV=15.00'
EXISTING STANDARD LIGHT	⊗	EXISTING SPOT ELEVATION	X 15.63
EXISTING GUY ANCHOR	→	EXISTING GROUND CONTOUR LINE	- - -
EXISTING OVERHEAD POWER LINE	—○—	EXISTING SEWER MANHOLE	⊕
EXISTING TELEPHONE PEDESTAL	⊕	EXISTING SEWER CLEANOUT	⊕
EXISTING TELEPHONE VAULT	⊕	EXISTING QUALITY SENSOR LINE	—○—
EXISTING TELEPHONE LINE	—○—	EXISTING DRAINAGE MANHOLE	⊕
EXISTING CABLE/FIBER OPTIC PEDESTAL	⊕	EXISTING SUBSURFACE DRAINAGE	—○—
EXISTING CABLE TV LINE	—○—	EXISTING DRAINAGE DROP INLET	⊕
EXISTING GAS VALVE	⊕	EXISTING FIRE HYDRANT	⊕
EXISTING GAS LINE	—○—	EXISTING WATER METER	⊕
EXISTING CHAIN LINK FENCE	—○—	EXISTING WATER VALVE	⊕
EXISTING WOOD FENCE LINE	—○—	EXISTING WATER LINE	—○—
EXISTING GUARD RAIL	—○—	EXISTING TERRA-COTTA PIPE	8" TC
EXISTING CONCRETE	—○—	EXISTING REINFORCED CONCRETE PIPE	18" RCP
EXISTING GRAVEL	—○—	EXISTING REIN. CONCRETE PIPE ARCHED	18" RCPA
		EXISTING CORRUGATED PLASTIC PIPE	24" CPP
		EXISTING POLYVINYL CHLORIDE PIPE	12" PVC

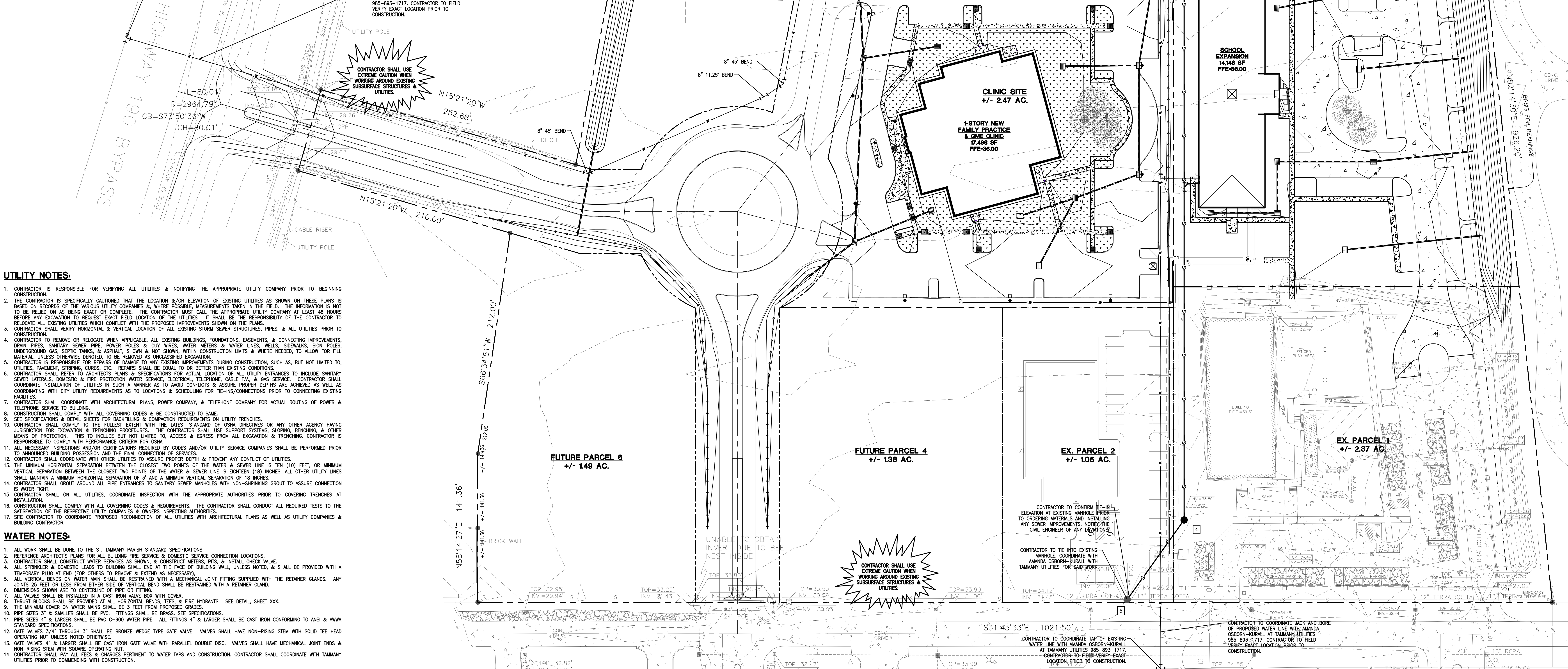
STRUCTURE TABLE

STRUCTURE NUMBER	TYPE	GUTTER/CASTING ELEV	INVERT IN	ELEVATION OUT	PIPE LENGTH	PIPE TYPE	PIPE SLOPE
(1-3)	MANHOLE	31.91	30.09 (3)	30.09	356	8" PVC	0.40%
2	CLEANOUT	32.78	29.55 (3)	29.55	88	8" PVC	1.00%
3	MANHOLE	32.72	28.66 (1)	28.66 (4)	523	8" PVC	0.40%
(3-4)			28.66 (2)				
4	MANHOLE	34.80	26.57 (3)	26.57 (5)	93	8" PVC	0.40%
(4-5)							
5	EXISTING MANHOLE	35.04	26.20 (4)				
6	CLEANOUT	32.24	29.42 (1)	29.42	35	8" PVC	1.00%
(6)							

CONTRACTOR TO COORDINATE TAP OF EXISTING WATER LINE WITH AMANDA OSBORN-KURALL AT TAMMANY UTILITIES 985-893-1717. CONTRACTOR TO FIELD VERIFY EXACT LOCATION PRIOR TO CONSTRUCTION.

CONTRACTOR TO COORDINATE JACK AND BORE OF PROPOSED WATER LINE WITH AMANDA OSBORN-KURALL AT TAMMANY UTILITIES 985-893-1717. CONTRACTOR TO FIELD VERIFY EXACT LOCATION PRIOR TO CONSTRUCTION.

CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING AROUND EXISTING SUBSURFACE STRUCTURES & UTILITIES.



UTILITY NOTES:

- CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL UTILITIES & NOTIFYING THE APPROPRIATE UTILITY COMPANY PRIOR TO BEGINNING CONSTRUCTION.
- THE CONTRACTOR IS SPECIALLY CAUTIONED THAT THE LOCATION &/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, & WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF THE UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS DURING CONSTRUCTION, SUCH AS, BUT NOT LIMITED TO, UTILITIES, PAVEMENT, STRIPING, CURBS, ETC. REPAIRS SHALL BE EQUAL TO OR BETTER THAN EXISTING CONDITIONS.
- CONTRACTOR SHALL REFER TO ARCHITECT'S PLANS & SPECIFICATIONS FOR ACTUAL LOCATION OF ALL UTILITY ENTRANCES TO INCLUDE SANITARY SEWER LATERALS, DOMESTIC & FIRE PROTECTION WATER SERVICES, ELECTRICAL, TELEPHONE, CABLE T.V., & GAS SERVICES. CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES IN SUCH A MANNER AS TO AVOID CONFLICTS & ASSURE PROPER DEPTHS ARE ACHIEVED AS WELL AS COORDINATING WITH CITY UTILITY REQUIREMENTS AS TO LOCATIONS & SCHEDULING FOR TIE-INS/CONNECTIONS PRIOR TO CONNECTING EXISTING FACILITIES.
- CONTRACTOR SHALL COORDINATE WITH ARCHITECTURAL PLANS, POWER COMPANY, & TELEPHONE COMPANY FOR ACTUAL ROUTING OF POWER & TELEPHONE SERVICES TO BUILDING.
- CONSTRUCTION SHALL COMPLY WITH ALL GOVERNING CODES & BE CONSTRUCTED TO SAME.
- SEE SPECIFICATIONS & DETAIL SHEETS FOR BACKFILLING & COMPACTION REQUIREMENTS ON UTILITY TRENCHES.
- CONTRACTOR SHALL COMPLY TO THE FULLEST EXTENT WITH THE LATEST STANDARD OF OSHA DIRECTIVES OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION & TRENCHING PROCEDURES. THE CONTRACTOR SHALL USE SUPPORT SYSTEMS, SLOPING, BENCHING, & OTHER MEANS OF PROTECTION. THIS TO INCLUDE BUT NOT LIMITED TO, ACCESS & EGRESS FROM ALL EXCAVATION & TRENCHING. CONTRACTOR IS RESPONSIBLE TO COMPLY WITH PERFORMANCE CRITERIA FOR OSHA.
- ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES AND/OR UTILITY SERVICE COMPANIES SHALL BE PERFORMED PRIOR TO ANNOUNCED BUILDING POSSESSION AND THE FINAL CONNECTION OF SERVICES.
- CONTRACTOR SHALL COORDINATE WITH OTHER UTILITIES TO ASSURE PROPER DEPTH & PREVENT ANY CONFLICT OF UTILITIES.
- THE MINIMUM HORIZONTAL SEPARATION BETWEEN THE CLOSEST TWO POINTS OF THE WATER & SEWER LINE IS TEN (10) FEET, OR MINIMUM VERTICAL SEPARATION BETWEEN THE CLOSEST TWO POINTS OF THE WATER & SEWER LINE IS EIGHTEEN (18) INCHES. ALL OTHER UTILITY LINES SHALL MAINTAIN A MINIMUM HORIZONTAL SEPARATION OF 3' AND A MINIMUM VERTICAL SEPARATION OF 18 INCHES.
- CONTRACTOR SHALL GROUT AROUND ALL PIPE ENTRANCES TO SANITARY SEWER MANHOLES WITH NON-SHRINKING GROUT TO ASSURE CONNECTION IS WATER TIGHT.
- CONTRACTOR SHALL ON ALL UTILITIES, COORDINATE INSPECTION WITH THE APPROPRIATE AUTHORITIES PRIOR TO COVERING TRENCHES AT INSTALLATION.
- CONSTRUCTION SHALL COMPLY WITH ALL GOVERNING CODES & REQUIREMENTS. THE CONTRACTOR SHALL CONDUCT ALL REQUIRED TESTS TO THE SATISFACTION OF THE RESPECTIVE UTILITY COMPANIES & OWNERS INSPECTING AUTHORITIES.
- SITE CONTRACTOR TO COORDINATE PROPOSED RECONNECTION OF ALL UTILITIES WITH ARCHITECTURAL PLANS AS WELL AS UTILITY COMPANIES & BUILDING CONTRACTOR.

WATER NOTES:

- ALL WORK SHALL BE DONE TO THE ST. TAMMANY PARISH STANDARD SPECIFICATIONS.
- REFERENCE ARCHITECT'S PLANS FOR ALL BUILDING FIRE SERVICE & DOMESTIC SERVICE CONNECTION LOCATIONS.
- CONTRACTOR SHALL CONSTRUCT WATER SERVICES AS SHOWN, & CONSTRUCT AS SHOWN, & INSTALL CHECK VALVE.
- ALL SPRINKLER & DOMESTIC LEADS TO BUILDING SHALL END AT THE FACE OF BUILDING WALL, UNLESS NOTED, & SHALL BE PROVIDED WITH A TEMPORARY PLUG AT END (FOR OTHERS TO REMOVE & EXTEND AS NECESSARY).
- ALL VERTICAL BENDS ON WATER MAIN SHALL BE RESTRAINED WITH A MECHANICAL JOINT FITTING SUPPLIED WITH THE RETAINER GLANDS. ANY JOINTS 25 FEET OR LESS FROM EITHER SIDE OF VERTICAL BEND SHALL BE RESTRAINED WITH A RETAINER GLAND.
- DIMENSIONS SHOWN ARE TO CENTERLINE OF PIPE OR FITTING.
- ALL VALVES SHALL BE INSTALLED IN A CAST IRON VALVE BOX WITH COVER.
- THRUST BLOCKS SHALL BE PROVIDED AT ALL HORIZONTAL BENDS, TEES, & FIRE HYDRANTS. SEE DETAIL SHEET XXX.
- THE MINIMUM COVER ON WATER MAINS SHALL BE 3 FEET FROM PROPOSED GRADES.
- PIPE SIZES 3" & SMALLER SHALL BE PVC. FITTINGS SHALL BE BRASS. SEE SPECIFICATIONS.
- PIPE SIZES 4" & LARGER SHALL BE PVC C-900 WATER PIPE. ALL FITTINGS 4" & LARGER SHALL BE CAST IRON CONFORMING TO ANSI & AMMA STANDARD SPECIFICATIONS.
- GATE VALVES 3/4" THROUGH 3" SHALL BE BRONZE WEDGE TYPE GATE VALVE. VALVES SHALL HAVE NON-RISING STEM WITH SOLID TEE HEAD OPERATING, UNLESS NOTED OTHERWISE.
- GATE VALVES 4" & LARGER SHALL BE CAST IRON GATE VALVE WITH PARALLEL DOUBLE DISC. VALVES SHALL HAVE MECHANICAL JOINT ENDS & NON-RISING STEM WITH SQUARE OPERATING NUT.
- CONTRACTOR SHALL PAY ALL FEES & CHARGES PERTINENT TO WATER TAPS AND CONSTRUCTION CONTRACTOR SHALL COORDINATE WITH TAMMANY UTILITIES PRIOR TO COMMENCING WITH CONSTRUCTION.

SANITARY SEWER NOTES:

- ALL WORK SHALL BE DONE TO THE ST. TAMMANY PARISH STANDARD SPECIFICATIONS.
- REFERENCE ARCHITECT'S PLANS FOR ALL BUILDING SERVICE CONNECTIONS.
- CONTRACTOR SHALL PAY ALL FEES & CHARGES PERTINENT TO SANITARY SEWER CONSTRUCTION & SHALL COORDINATE WITH TAMMANY UTILITIES PRIOR TO COMMENCING WITH CONSTRUCTION.
- ALL STUB-OUTS & WYE LATERALS SHALL BE PLUGGED WITH A STANDARD TYPE PLUG.
- SANITARY SEWER PIPE OF DIFFERENT MATERIAL SHALL BE JOINED BY A RUBBER SLEEVE WITH STAINLESS STEEL COUPLING, MADE FOR TRANSITIONS FROM ONE MATERIAL TO ANOTHER.
- DIMENSIONS SHOWN ARE TO CENTERLINE OF PIPE OR TO CENTERLINE OF MANHOLE.
- THE SANITARY SEWER PIPE MATERIAL SHALL BE PVC, SDR 35, SEWER PIPE UNLESS OTHERWISE NOTED ON PLAN.

POWER NOTES:

- REFERENCE ARCHITECT'S PLANS FOR ALL BUILDING SERVICE CONNECTIONS.
- ALL PRIMARY & SECONDARY SERVICE LOCATIONS ARE APPROXIMATE & ARE SHOWN FOR COORDINATION PURPOSES ONLY. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE POWER COMPANY, TO DETERMINE EXACT LOCATION & RESPONSIBILITIES INCLUDING COST.

TELEPHONE NOTES:

- ALL PHONE LINE LOCATIONS ARE APPROXIMATE & SHOWN FOR COORDINATION PURPOSES ONLY. REFERENCE ARCHITECT'S PLANS FOR ALL BUILDING SERVICE CONNECTIONS.
- CONTRACTOR IS RESPONSIBLE FOR INSTALLING ALL NECESSARY CONDUITS, INCLUDING TRENCHING, BEDDING, PULL WIRE, AND BACKFILLING.

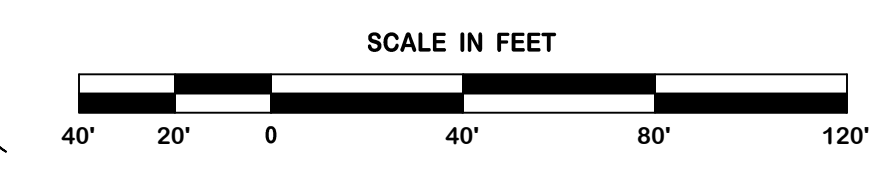
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Issued 10/21/2022

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Thomas H. Buckel, P.E. #31022
Duplantia Design Group, P.C.



UTILITY PLAN



CONSTRUCTION DOCUMENTS

Date
19 OCTOBER 2022



Job No. 22-1727

Drawn by AMR Checked by THB

C3.0
Sheet No.

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LEGEND - NEW IMPROVEMENTS

- SD-1 SILT FENCE
- SD-3 TEMPORARY STONE CONSTRUCTION EXIT
- SD-4 ROCK CHECK DAM
- SD-5 RIP-RAP
- SD-6 PIPE PROTECTION
- SD-7 INLET PROTECTION
- S DIRECTION OF OVERLAND FLOW
- 17 PROPOSED CONTOUR
- PROPERTY LINE
- LIMITS OF DISTURBANCE
- PROPOSED STORM DRAINAGE
- TEMPORARY SEEDING (HYDROMULCH) (SLOPES 3:1 OR GREATER SHALL BE 500ED)
- SD-0 REFERENCES LEGEND
- CB.0 REFERENCES SHEET FOR DETAIL

LEGEND - EXISTING

- 1/2" IRON PIPE SET (UNLESS NOTED)
- EXISTING POWER UTILITY POLE
- EXISTING STAGNANT LIGHT
- EXISTING GUY ANCHOR
- EXISTING OVERHEAD POWER LINE
- EXISTING TELEPHONE PEDESTAL
- EXISTING TELEPHONE VAULT
- EXISTING TELEPHONE LINE
- EXISTING CABLE/FIBER OPTIC PEDESTAL
- EXISTING CABLE TV LINE
- EXISTING GAS VALVE
- EXISTING GAS LINE
- EXISTING CHAIN LINK LINE
- EXISTING WOOD FENCE LINE
- EXISTING GUARD RAIL
- EXISTING CONCRETE
- EXISTING GRVEL
- ELEVATION OF TOP OF STRUCTURE TOP=18.00'
- ELEVATION OF BOTTOM OF STRUCTURE INV.=15.00'
- EXISTING SPOT ELEVATION 10.00'
- EXISTING GROUND CONTOUR LINE
- EXISTING SINKER MANHOLE
- EXISTING SINKER CLEAOUT
- EXISTING GRAVITY SEWER LINE
- EXISTING DRAINAGE MANHOLE
- EXISTING SUBSURFACE DRAINAGE
- EXISTING DRAINAGE DROOP INLET
- EXISTING FIRE HYDRANT
- EXISTING WATER METER
- EXISTING WATER VALVE
- EXISTING WATER LINE
- EXISTING TERRA-COTTA PIPE 8" TC
- EXISTING REINFORCED CONCRETE PIPE 18" RCP
- EXISTING REIN. CONCRETE PIPE ARCH'D 18" RCPA
- EXISTING CORRUGATED PLASTIC PIPE 24" CPP
- EXISTING POLYVINYL CHLORIDE PIPE 12" PVC

EROSION CONTROL NOTES:

1. SEDIMENT, EROSION CONTROL FACILITIES, AND STORM DRAINAGE FACILITIES SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION.
2. CONTRACTOR SHALL MAINTAIN EROSION CONTROL FACILITIES DURING THE ENTIRE CONSTRUCTION PERIOD. FACILITIES ARE NOT TO BE REMOVED UNTIL COMPLETION OF THE PROJECT.
3. ADDITIONAL DEVICES MAY BE REQUIRED AS DEEMED NECESSARY BY GOVERNING AUTHORITIES.
4. SILT FENCES SHALL BE CLEANED OR REPLACED WHEN SILT BUILDS UP TO 1" FROM THE BOTTOM OF THE FENCE.
5. EROSION CONTROL MEASURES ARE TO BE INSPECTED WEEKLY AND AFTER EACH RAINFALL AND REPAIRED AS NECESSARY.
6. ALL GRADED AREAS SHALL BE STABILIZED WITH A PERMANENT FAST GROWING COVER AND/OR MULCH UPON COMPLETION OF GRADING OPERATIONS. COMPLETION OF GRADING OPERATIONS DOES NOT MEAN AT THE END OF THE PROJECT. AS SOON AS FINAL GRADES ARE ESTABLISHED IN AN UNPAVED AREA, THE CONTRACTOR SHALL STABILIZE WITH A TEMPORARY GRASS OR PERMANENT SOO. IF A TEMPORARY GRASS IS APPLIED, IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO APPLY A PERMANENT SEED OR SOO AT THE PROPER TIME OF YEAR.
7. FULL SLOPES SHOULD BE PLANTED AS SOON AS AN AREA OF THE SITE IS BROUGHT TO FINAL GRADE. SURFACE RUNOFF SHALL BE INTERCEPTED AT THE TOP OF TEMPORARY AND PERMANENT SLOPES DURING CONSTRUCTION SO THAT WATER IS NOT ALLOWED TO FLOW OVER THE SLOPE FACE.
8. THE GENERAL CONTRACTOR AND THE GRADING CONTRACTOR SHALL REVIEW THEIR GRADING SEQUENCE TO INSURE THAT THE LEAST AMOUNT OF LAND POSSIBLE AT ANY ONE TIME IS DISTURBED WITHOUT PERMANENT STABILIZATION.
9. CONTRACTOR SHALL INSTALL TEMPORARY CONSTRUCTION ENTRANCES PRIOR TO ANY EARTHWORK OPERATIONS.
10. CONTRACTOR SHALL MAINTAIN SILT FENCES FOR THE DURATION OF THE PROJECT UNTIL ACCEPTED BY THE OWNER AT NO EXPENSE TO OWNER.
11. CONTRACTOR SHALL INSPECT ON A DAILY BASIS FOR NEEDED REMOVAL OF ANY ACCUMULATED SILTS, DEBRIS, OR REPAIR OF DAMAGED SILT FENCE AT NO ADDITIONAL EXPENSE TO OWNER.
12. PRIOR TO CONSTRUCTION, THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN HEREON SHALL BE IN PLACE. CLEANING AND GRUBBING OPERATIONS WILL BE ENGAGED IN ONLY AS NECESSARY TO ALLOW THE PLACEMENT OF EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN HEREON UNTIL ALL SUCH MEASURES ARE IN PLACE.
13. LAND DISTURBING ACTIVITIES WILL BE KEPT TO A MINIMUM AND WILL NOT EXTEND BEYOND THE LIMITS SHOWN.
14. SEDIMENT AND EROSION CONTROL MEASURES WILL BE INSPECTED ON A DAILY BASIS AND WILL BE REPAIRED, ADJUSTED AND MAINTAINED AS NEEDED OR REQUIRED BY GOVERNING AGENCIES AT NO ADDITIONAL EXPENSE TO THE OWNER TO PROVIDE EROSION AND SEDIMENT CONTROL FOR THE DURATION OF CONSTRUCTION AND UNTIL ALL DISTURBED AREAS ARE STABILIZED.
15. THE CONTRACTOR SHALL ALSO CONSTRUCT THE SILT FENCING AS SHOWN AT THE PERIMETER OF THE SITE PLAN PRIOR TO LAND CLEARING ACTIVITIES.
16. ALL EROSION CONTROL MEASURES EXCEPT THE REQUIRED RIP RAP ARE TEMPORARY DEVICES. THESE TEMPORARY DEVICES SHALL BE REMOVED PRIOR TO COMPLETION OF CONSTRUCTION ONCE STABILIZATION OF ALL GRADED AREAS ARE COMPLETE.
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18. THE DEVELOPER, CONTRACTORS, AND LOT OWNERS SHALL CONFORM TO THE TERMS AND CONDITIONS OF THE LOUISIANA DEPARTMENT OF NATURAL RESOURCES (LDNR).
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20. IN THE EVENT OF ANY RELEASE OF REPORTABLE QUANTITIES OF HAZARDOUS SUBSTANCES SHALL BE REPORTED IMMEDIATELY TO THE FACILITY OPERATOR AND ENVIRONMENTAL PROTECTION AGENCY (EPA).
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22. FLOOD NOTE: IN ACCORDANCE WITH FEMA FLOOD INSURANCE RATE MAP, PANEL NUMBER 22103C0190F OF ST. TAMMANY PARISH, LOUISIANA, LAST REVISED APRIL 30, 2008, THE PROPERTY SHOWN HEREON IS LOCATED IN FLOOD ZONE "X".

ACREAGE SUMMARY

TOTAL PROJECT AREA	+/- XXX ACRES
DISTURBED AREA	+/- XXX ACRES
UNDISTURBED AREA	+/- XXX ACRES

SOIL EROSION/SEDIMENTATION CONTROL OPERATION TIME SCHEDULE

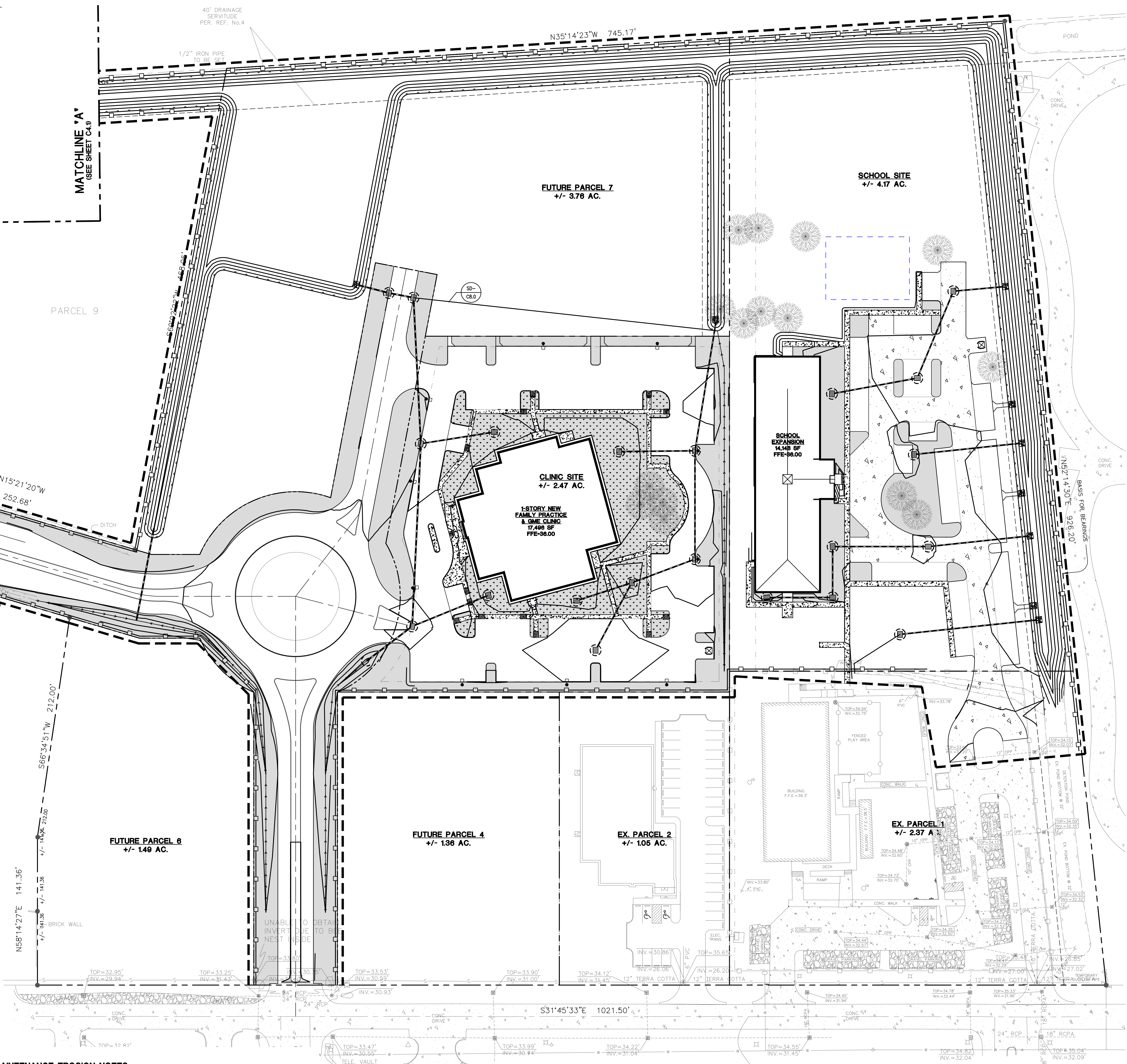
NOTE: GENERAL CONTRACTOR TO COMPLETE TABLE WITH THEIR SPECIFIC PROJECT SCHEDULE

CONSTRUCTION SEQUENCE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	
TEMPORARY CONSTRUCTION EXITS																			
TEMPORARY CONTROL MEASURES																			
SEDIMENT CONTROL BASINS																			
STRIP & STOCKPILE TOPSOIL																			
ROUGH GRADE																			
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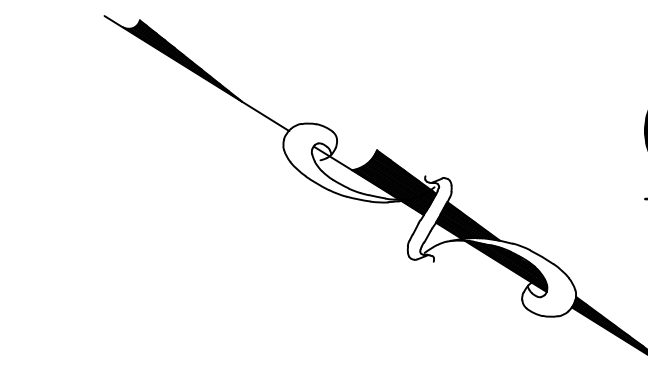
- 1) CONTRACTOR SHALL UPDATE THE TABLE BY SHADING OR DATING THE APPLICABLE ACTIVITIES AS PROJECT PROGRESSES.
- 2) THE SCHEDULE MUST CONFORM WITH SEQUENCE OF CONSTRUCTION.

BMP MAINTENANCE EROSION NOTES:

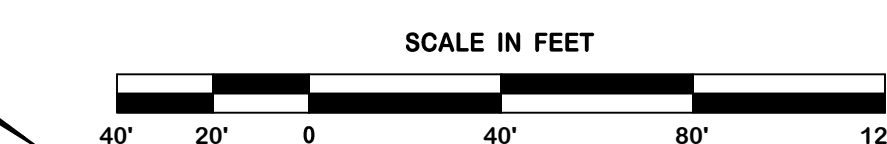
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3. SILT FENCES SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION EXITS AS CONDITIONS DEMAND.
4. THE TEMPORARY PARKING AND STORAGE AREA SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE TEMPORARY PARKING AREA AS CONDITIONS DEMAND.
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6. PRIOR TO LEAVING THE SITE, ALL VEHICLES SHALL BE CLEANED OF DEBRIS. ANY DEBRIS AND/OR SEDIMENT REACHING THE PUBLIC STREET SHALL BE CLEANED IMMEDIATELY BY A METHOD OTHER THAN FLUSHING.



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EROSION CONTROL PLAN



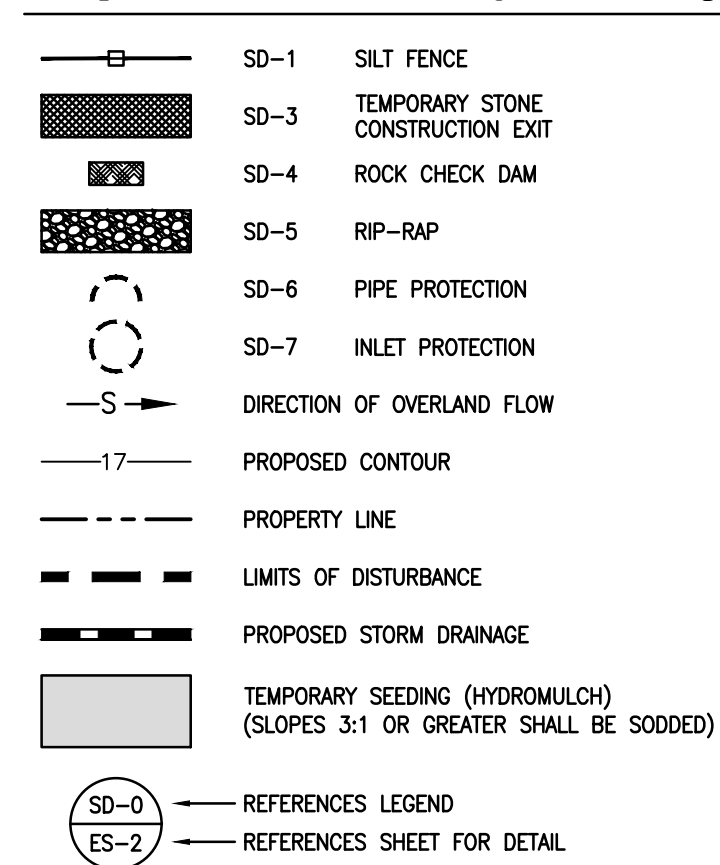
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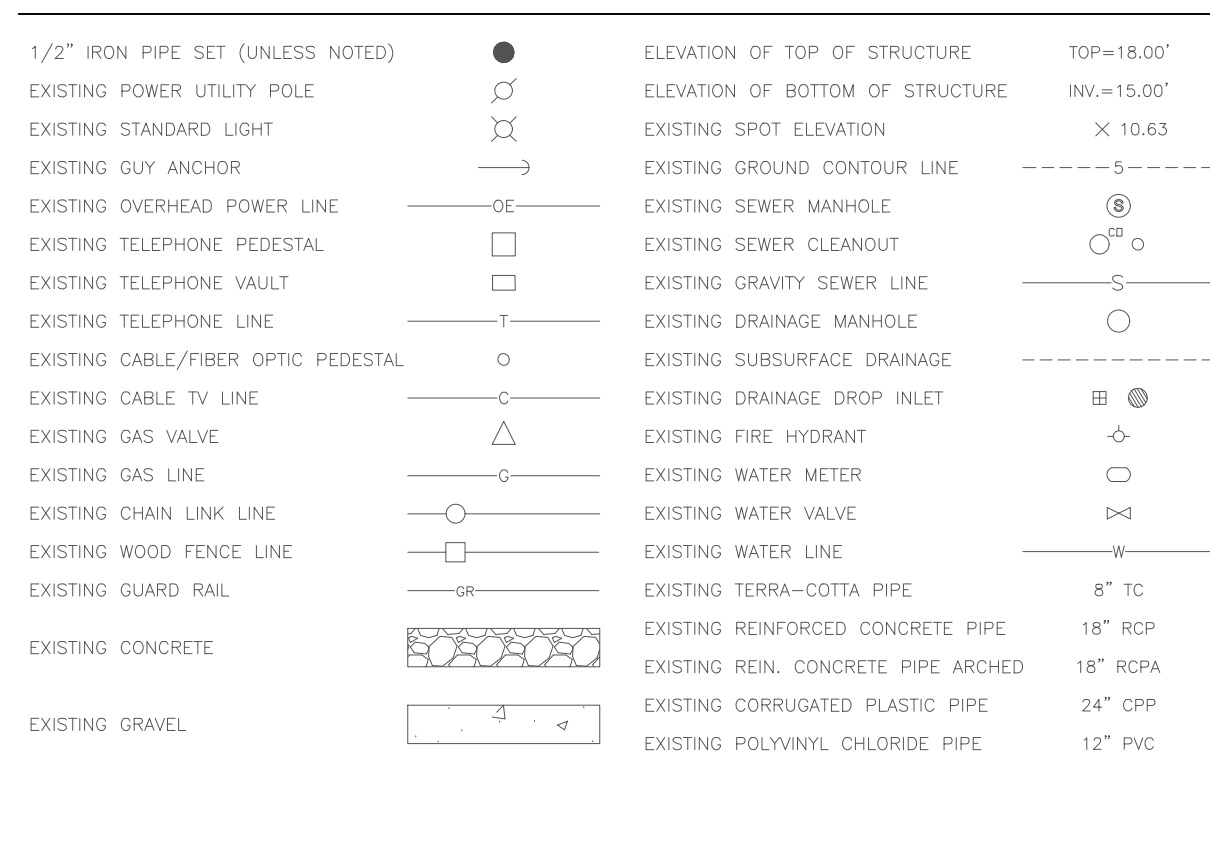
NEW FAMILY PRACTICE & GME CLINIC
 FOR
ST. TAMMANY HEALTH SYSTEM

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 Date: 19 OCTOBER 2022
 Job No: 22-1272
 Drawn by: AMR
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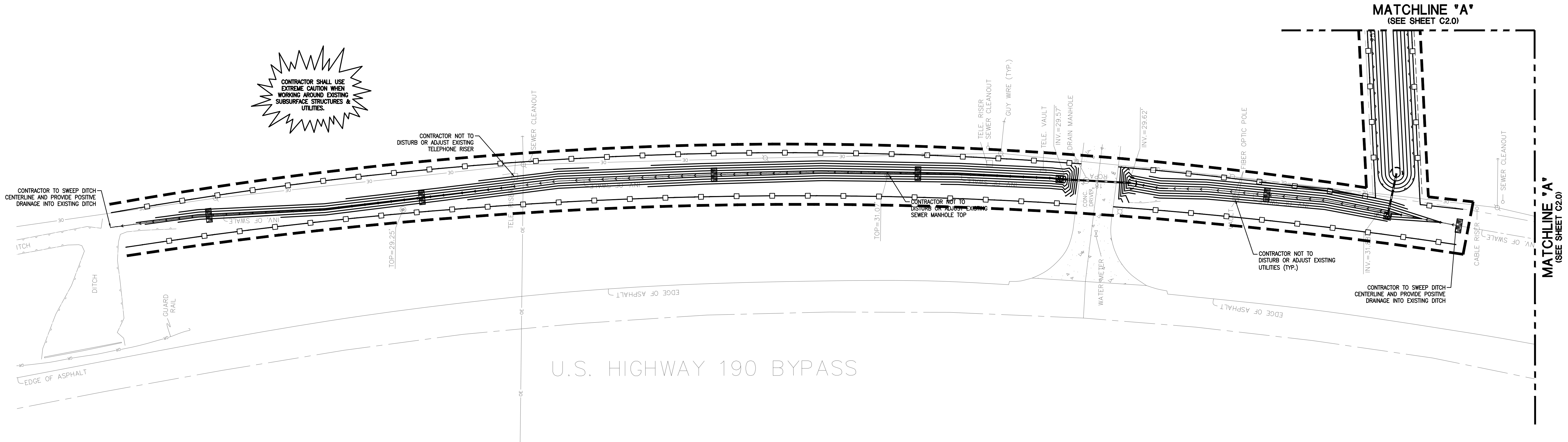
LEGEND - NEW IMPROVEMENTS



LEGEND - EXISTING



SD-0 REFERENCES LEGEND
ES-2 REFERENCES SHEET FOR DETAIL



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22. FLOOD NOTE: IN ACCORDANCE WITH FEMA FLOOD INSURANCE RATE MAP, PANEL NUMBER 22103C0190F OF ST. TAMMANY PARISH, LOUISIANA, LAST REVISED APRIL 30, 2008, THE PROPERTY SHOWN HEREON IS LOCATED IN FLOOD ZONE "X".

ACREAGE SUMMARY

TOTAL PROJECT AREA	+/- 1.00 ACRES
DISTURBED AREA	+/- 0.98 ACRES
UNDISTURBED AREA	+/- 0.02 ACRES

SOIL EROSION/SEDIMENTATION CONTROL OPERATION TIME SCHEDULE

NOTE: GENERAL CONTRACTOR TO COMPLETE TABLE WITH THEIR SPECIFIC PROJECT SCHEDULE

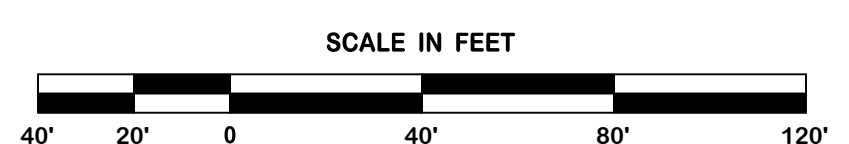
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- BMP MAINTENANCE EROSION NOTES:**
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 3. SILT FENCES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE SILT FENCES WHEN IT REACHES ONE-HALF THE HEIGHT OF THE SILT FENCE.
 4. THE CONSTRUCTION EXITS SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION EXITS AS CONDITIONS DEMAND.
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Thomas H. Buckel, P.E. #31022
Duplantier Design Group, P.C.



EROSION CONTROL PLAN



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NEW FAMILY PRACTICE & GME CLINIC FOR ST. TAMMANY HEALTH SYSTEM

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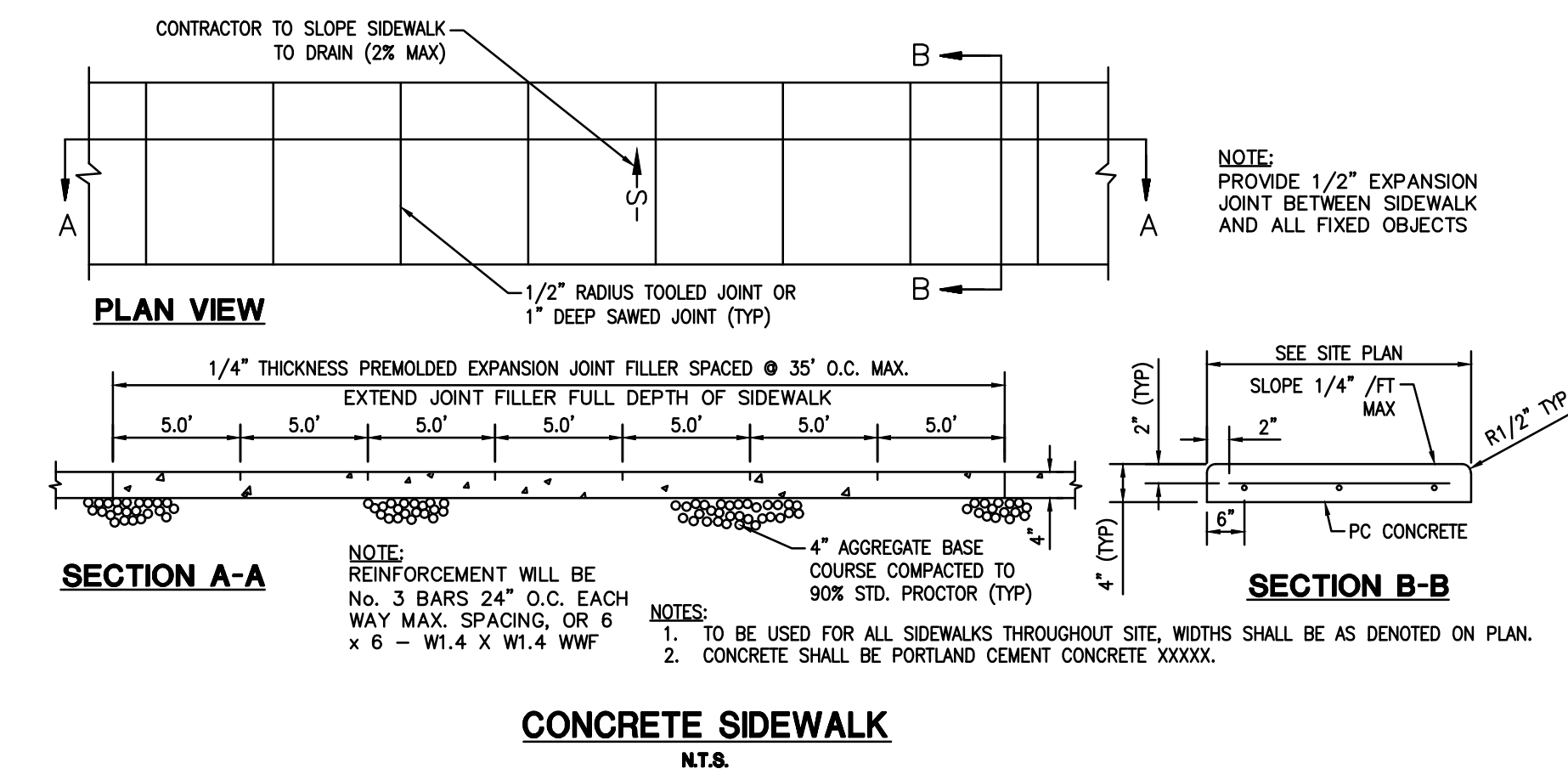
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LOW TO MODERATE FLOW GEOTEXTILE FABRIC SPECIFICATION TABLE		
PROPERTIES	TEST METHOD	UNITS
GRAB TENSILE STRENGTH	ASTM D-4632	300 LBS
GRAB TENSILE ELONGATION	ASTM D-4632	20 %
PUNCTURE	ASTM D-4633	120 LBS
MILLEN BURST	ASTM D-3796	800 PSI
TRAPEZOID TEAR	ASTM D-4553	120 LBS
UV RESISTANCE	ASTM D-4255	80 %
APPARENT OPENING SIZE	ASTM D-4470	40 US SIEVE
FLOW RATE PERMITTIVITY	ASTM D-4491	40 GAL/MIN/50 FT
		0.50 SEC
MODERATE TO HIGH FLOW GEOTEXTILE FABRIC SPECIFICATION TABLE		
PROPERTIES	TEST METHOD	UNITS
GRAB TENSILE STRENGTH	ASTM D-4632	280 LBS
GRAB TENSILE ELONGATION	ASTM D-4632	20 %
PUNCTURE	ASTM D-4633	135 LBS
MILLEN BURST	ASTM D-3796	420 PSI
TRAPEZOID TEAR	ASTM D-4553	40 LBS
UV RESISTANCE	ASTM D-4255	80 %
APPARENT OPENING SIZE	ASTM D-4470	20 US SIEVE
FLOW RATE PERMITTIVITY	ASTM D-4491	200 GAL/MIN/50 FT
		1.5 SEC -1

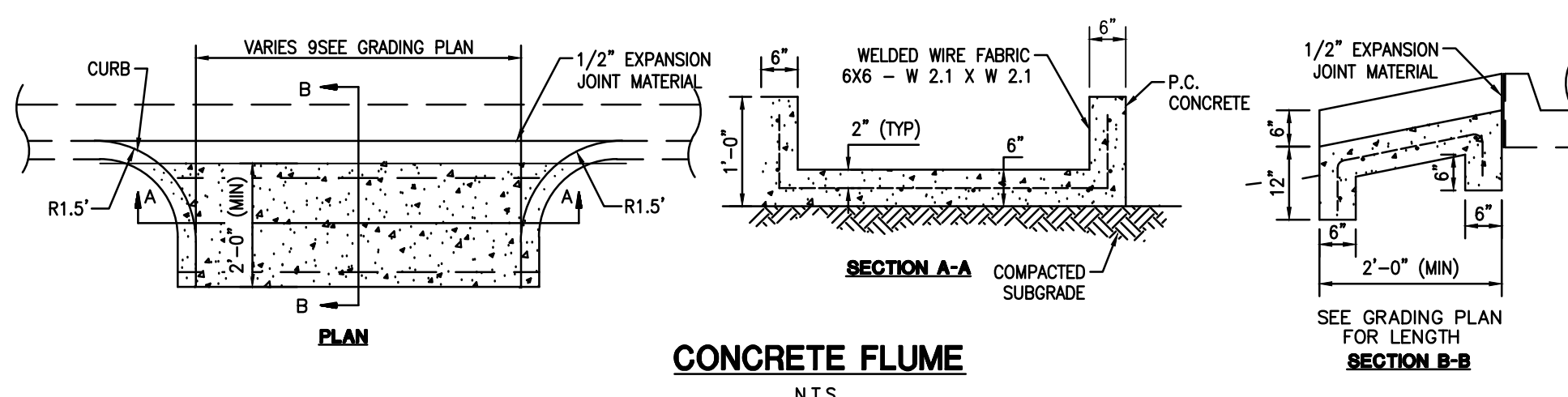
FILTER SACKS (GRATED INLETS)

DO NOT USE ON ROADWAYS WHERE PONDING MAY CAUSE TRAFFIC HAZARDS.

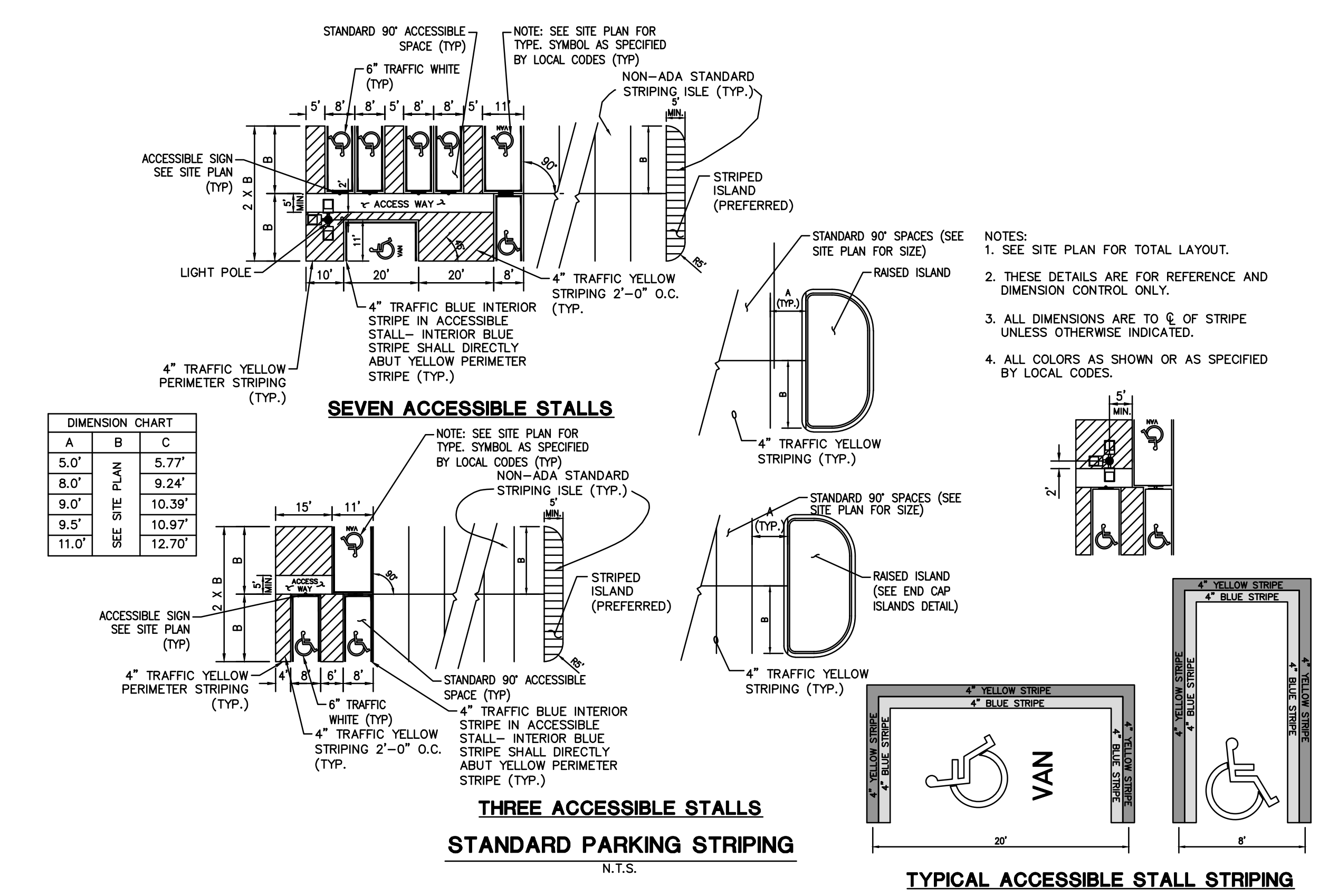
- EMPTY FILTER SACK WHEN BRIGHTLY COLORED EXPANSION RESTRAINT CAN NO LONGER BE SEEN
- GEOTEXTILE WILL BE A NON-WOVEN POLYPROPYLENE FABRIC THAT MEETS OR EXCEEDS REQUIREMENTS IN THE SPECIFICATIONS TABLE.
- AN OIL ABSORBENT PAD OR FILLER CAN BE PURCHASED WHEN OIL SPILLS ARE A CONCERN.
- INSPECT PER REGULATORY REQUIREMENTS.
- THE WIDTH "W" OF THE FILTER SACK WILL MATCH THE INSIDE WIDTH OF THE GRATED INLET BOX.
- THE DEPTH "D", OF THE FILTER SACK WILL BE BETWEEN 18 INCHES AND 36 INCHES.
- THE LENGTH "L", OF THE FILTER SACK WILL MATCH THE INSIDE LENGTH OF THE GRATED INLET BOX.



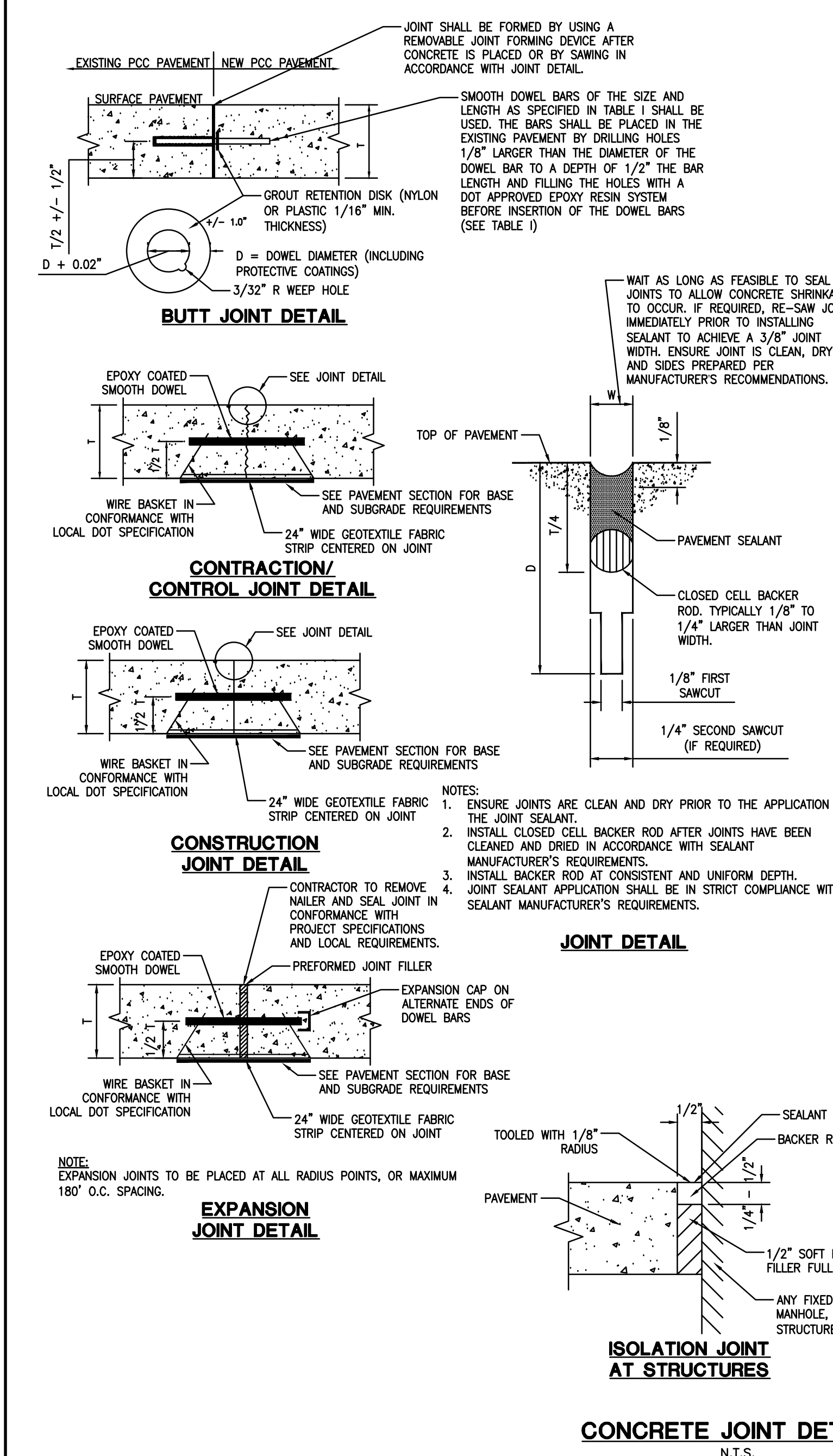
CONCRETE SIDEWALK
N.T.S.



CONCRETE FLUME
N.T.S.



SEVEN ACCESSIBLE STALLS
THREE ACCESSIBLE STALLS
STANDARD PARKING STRIPING
TYPICAL ACCESSIBLE STALL STRIPING
N.T.S.



CONCRETE JOINT DETAILS
N.T.S.

TABLE 1

PAVEMENT THICKNESS " T " (IN)	SMOOTH DOWEL BARS			MINIMUM JOINT DEPTH " D " (IN)
	SIZE Ø (IN)	LENGTH (IN)	SPACING (IN)	
5"	1/2"	12"	18"	1 1/2"
6"	3/4"	14"	12"	1 3/4"
7"	1"	16"	12"	2"
8"	1 1/4"	18"	12"	3"
9"	1 1/4"	18"	12"	3"
10"	1 1/4"	18"	12"	3 1/4"

- NOTES:
- JOINTS SHALL BE SAWCUT AS SOON AS THE CONCRETE HAS REACHED SUFFICIENT STRENGTH TO SUPPORT THE SAWING EQUIPMENT AND TEARING OF CONCRETE DOES NOT OCCUR.
 - GEOTEXTILE FABRIC SHALL BE CONSTRUCTED OF NON-WOVEN POLYPROPYLENE FIBERS RESISTANT TO CHEMICAL ATTACK, MILDEW, AND ROT. THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A GEOTEXTILE MATERIAL SUBMITTAL FOR APPROVAL.
 - CONSTRUCT EXPANSION, WEAKENED PLANE CONTROL (CONTRACTION), AND CONSTRUCTION JOINTS STRAIGHT WITH FACE PERPENDICULAR TO CONCRETE SURFACE.
 - CONSTRUCTION CONTROL JOINTS FOR DEPTH EQUAL TO AT LEAST 1/4 OF THE CONCRETE THICKNESS AS FOLLOWS:
 - FORM TOOLED JOINTS IN FRESH CONCRETE BY GROOVING TOP WITH RECOMMENDED TOOL AND FINISHING EDGE WITH JOINTER.
 - FORM SAVED JOINTS USING POWERED SAWING EQUIPPED WITH SHARP-TIPPED SURFACE OR DIAMOND FRAMED BLADES. CUT JOINTS INTO HARDENED CONCRETE AS SOON AS SURFACE WILL NOT BE TORN, ABRADED, OR OTHERWISE DAMAGED BY CUTTING ACTION.
 - CONSTRUCTION JOINTS: PLACE CONSTRUCTION JOINTS AT END OF PLACEMENTS AND AT LOCATIONS WHERE PLACEMENT OPERATIONS ARE STOPPED FOR PERIOD OF MORE THAN 1/2 HOUR, EXCEPT WHERE SUCH PLACEMENTS TERMINATE AT EXPANSION JOINTS. CONSTRUCT JOINTS IN ACCORDANCE WITH DETAILS.
 - EXPANSION JOINTS: LOCATE EXPANSION JOINTS AT MAXIMUM OF 180'-0" ON CENTERS, MAXIMUM EACH WAY UNLESS OTHERWISE SHOWN ON THE CONSTRUCTION DRAWINGS. PROVIDE PRE-MOLDED JOINT FILLER FOR EXPANSION JOINTS ABUTTING CONCRETE CURBS, CATCH BASINS, MANHOLES, INLETS, STRUCTURES, SIDEWALKS, AND OTHER FIXED OBJECTS.
 - BUTT JOINTS: FOR JOINTS AGAINST EXISTING PAVEMENT, PLACE DOWELS OF THE SIZE INDICATED IN TABLE 1 INTO HOLES DRILLED INTO CENTER OF EXISTING SLAB. EPOXY DOWELS INTO HOLES WITH APPROVED EPOXY COMPOUND. PLACE DOWELS PRIOR TO CONCRETE PLACEMENT FOR NEW CONCRETE. DOWEL SPACING TO BE AS INDICATED IN TABLE 1. SAW JOINTS AND FILL WITH JOINT SEALER.
 - JOINT FILLERS: EXTEND JOINT FILLERS FULL WIDTH AND DEPTH OF JOINT, AND NOT LESS THAN 1/2-INCH OR MORE THAN 1-INCH BELOW FINISHED SURFACE WHERE JOINT SEALER IS INDICATED. FURNISH JOINT FILLERS IN 1-PIECE LENGTHS FOR FULL WIDTH BEING PLACED, WHENEVER POSSIBLE. WHERE MORE THAN 1 LENGTH IS REQUIRED LACE OR CLIP JOINT FILLER SECTIONS TOGETHER.
 - JOINT SEALANTS: JOINTS SHALL BE SEALED WITH APPROVED EXTERIOR PAVEMENT JOINT SEALANTS AND SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
 - DOWELS SHALL NOT BE PLACED CLOSER THAN 12" TO A JOINT INTERSECTION.

FOR USE ON LOUISIANA PROJECTS

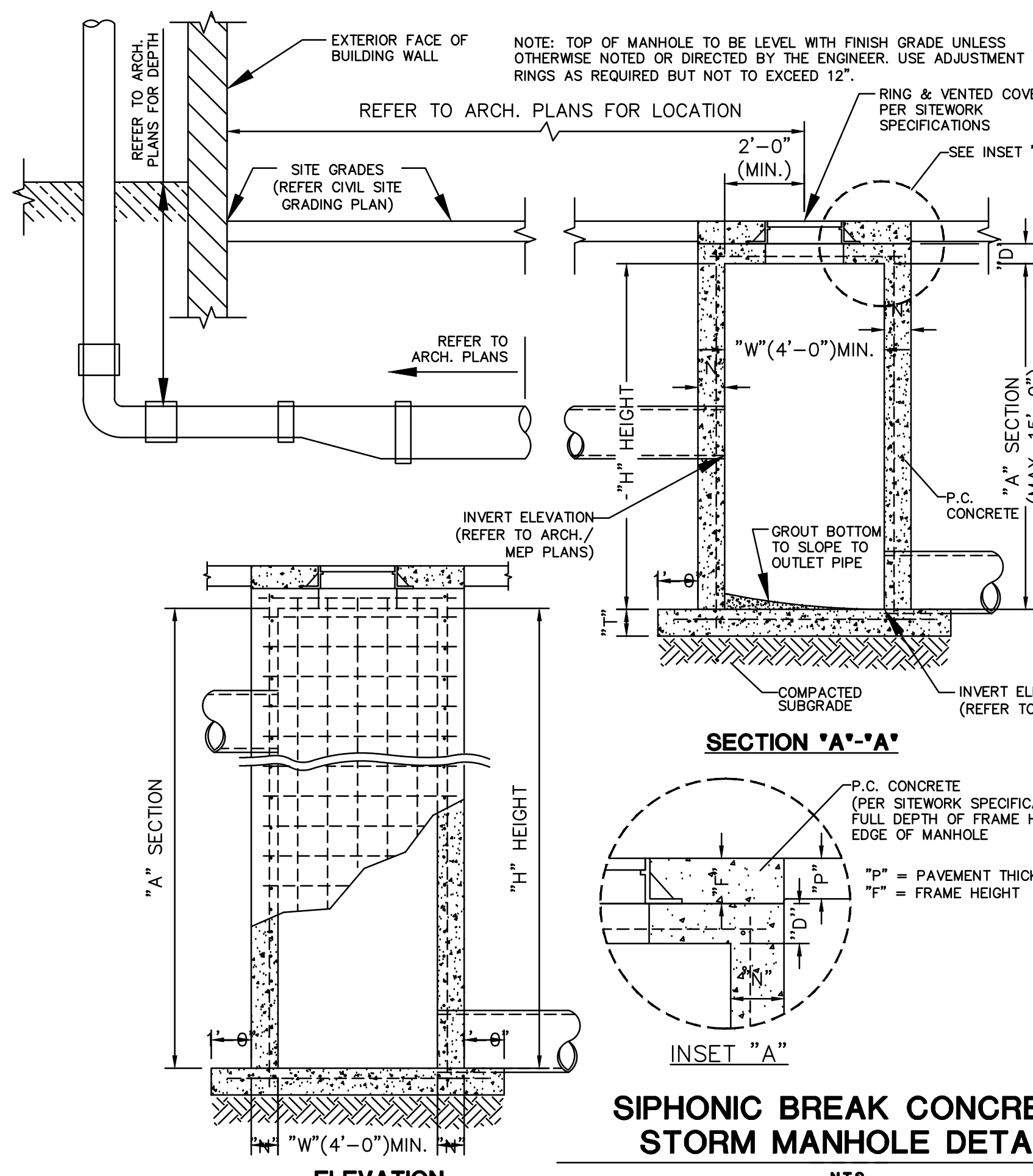
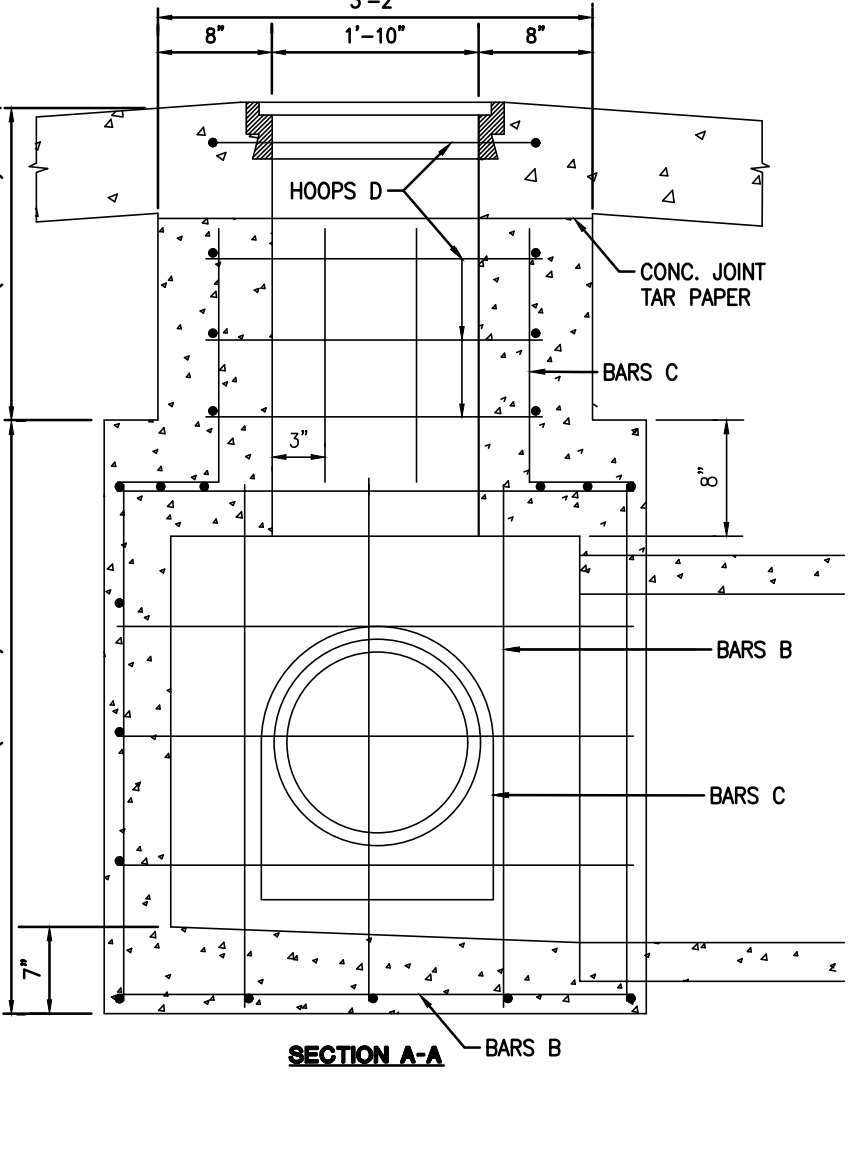
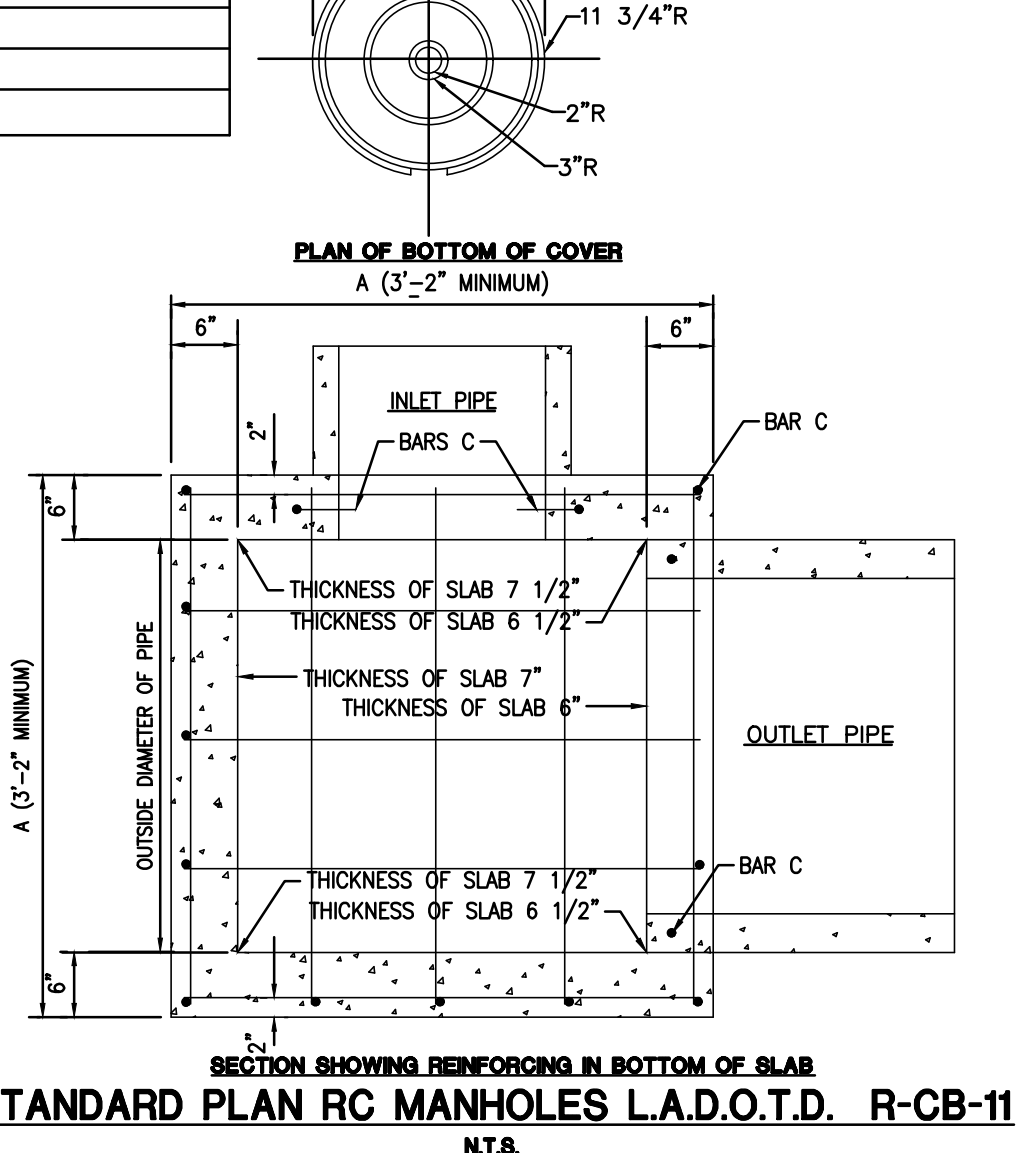
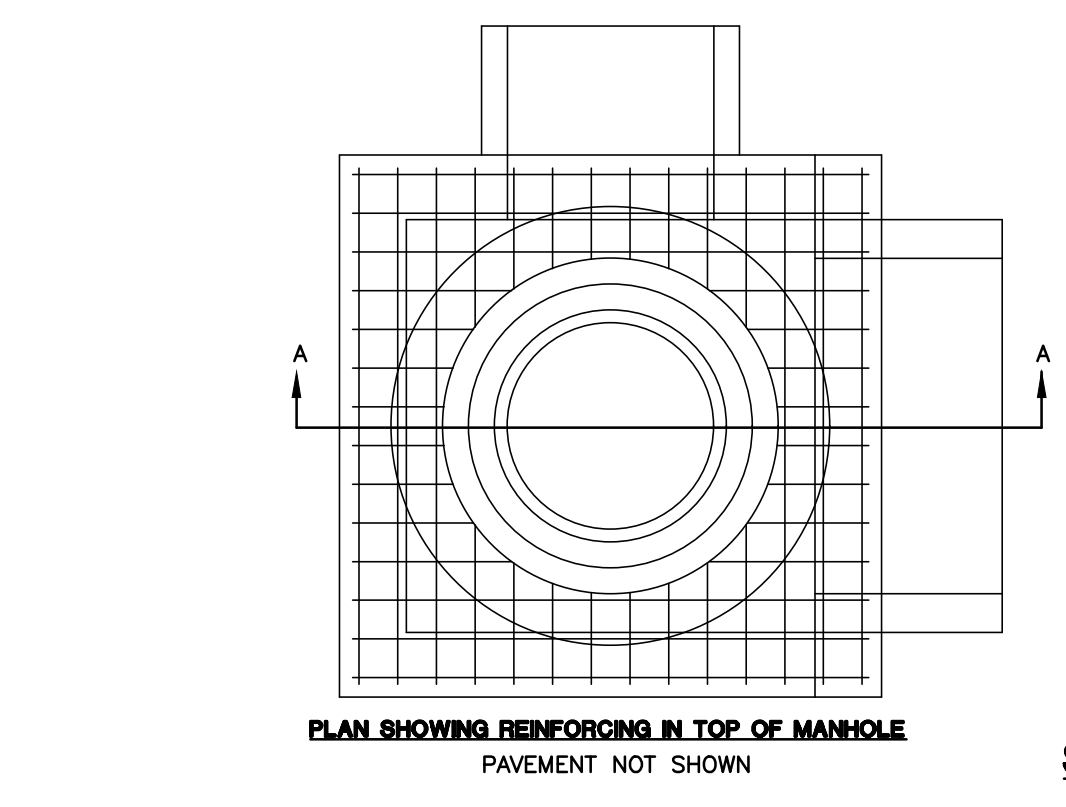
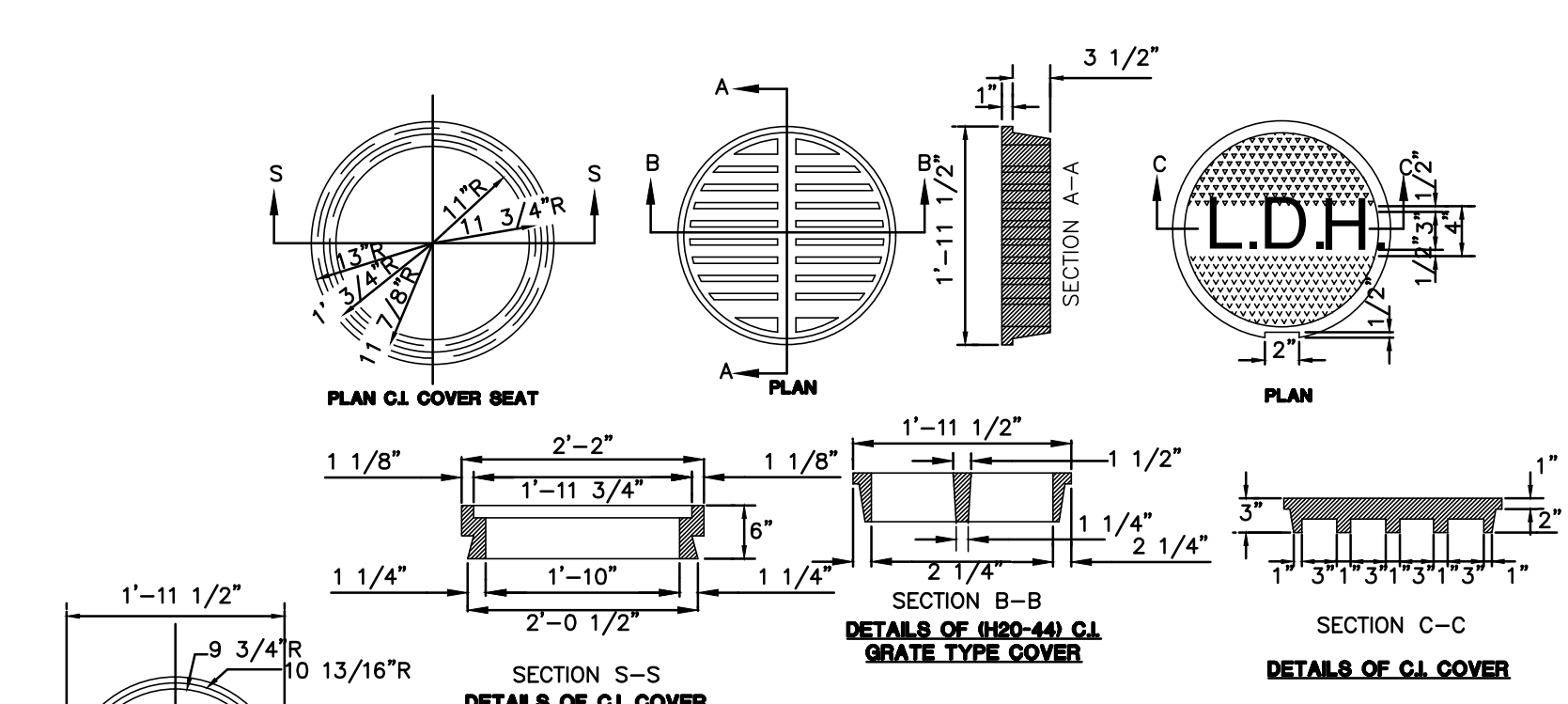
PROGRESS SET - FOR REVIEW ONLY
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SITE DETAILS

BILL OF MATERIALS FOR ONE MANHOLE				X = 4'-2" (AS DETAILED)	
MARK	SIZE	SPACING	NO. REQUIRED	UNIT LENGTH	UNIT LENGTH
BARS A	1/2"	APPROX. 11"	10	A-3"	LONGITUDINAL AND TRANSVERSE IN BOTTOM SLAB
BARS A	1/2"	APPROX. 11"	DEPENDING ON WIDTH & SIZE OF PIPES	A-3"	LONGITUDINAL AND TRANSVERSE IN WALLS OF BOX
BARS B	1/2"	APPROX. 11"	DEPENDING ON WIDTH & SIZE OF PIPES	A-3"	LONGITUDINAL AND TRANSVERSE IN TOP SLAB OF BOX
BARS C	1/2"	APPROX. 11"	SEE BENDING DIAGRAM	VERTICAL IN WALLS OF BOX	
HOOPS D	1/2"	9" MIN.	1 EACH PIPE	SEE BENDING DIAGRAM	AROUND EACH PIPE AS SHOWN
BARS E	1/2"	30" RADIUS	12	V+4 1/2" - P.V. THICKNESS	VERTICAL IN WALLS OF CYLINDER

1 CAST IRON COVER SEAL WEIGHING APPROXIMATELY 161 POUNDS
1 CAST IRON COVER WEIGHING APPROXIMATELY 205 POUNDS



- GENERAL NOTES:
- ALL EXPOSED CORNERS TO HAVE 3/4" CHAMFER.
 - REFER GRADING PLAN FOR PIPE SIZES, LOCATIONS, AND INVERTS.
 - A SQUARE OR RECTANGULAR MANHOLE MAY BE USED IN LIEU OF A ROUND MANHOLE. PIPES SHALL CONNECT TO THE ENDS OR SIDES OF THE MANHOLE. CONNECTION SHALL NOT BE MADE AT CORNERS OF MANHOLE.
 - ALL REINFORCING BARS TO BE GRADE 60.
 - ALL REINFORCING BARS TO HAVE 2" COVER.
 - OPENINGS FOR INLET & OUTLET PIPES ARE LOCATED AS REQUIRED PER GRADING PLAN.
 - A 6"x6" PAINTED STRIPED AREA SHALL BE CENTERED ON THE SIPHONIC BREAK STORM MANHOLE TO PREVENT ANY PARKING OR COVERING OF THE VENTED GRATE WITH ANY OBJECTS. THIS STRIPED AREA SHALL BE PAINTED WITH 4" SOLID TRAFFIC YELLOW STRIPES WITH 18" SPACING AT 45° ANGLE.
 - PRECAST MANHOLE MAY BE USED UNLESS OTHERWISE NOTED OR DIRECTED BY THE ENGINEER.

REINFORCEMENT SCHEDULE, BASE

SECTION	#4'S @ 6" E.W.
"A"	#4'S @ 6" E.W.

TABLE OF "W" DIMENSIONS

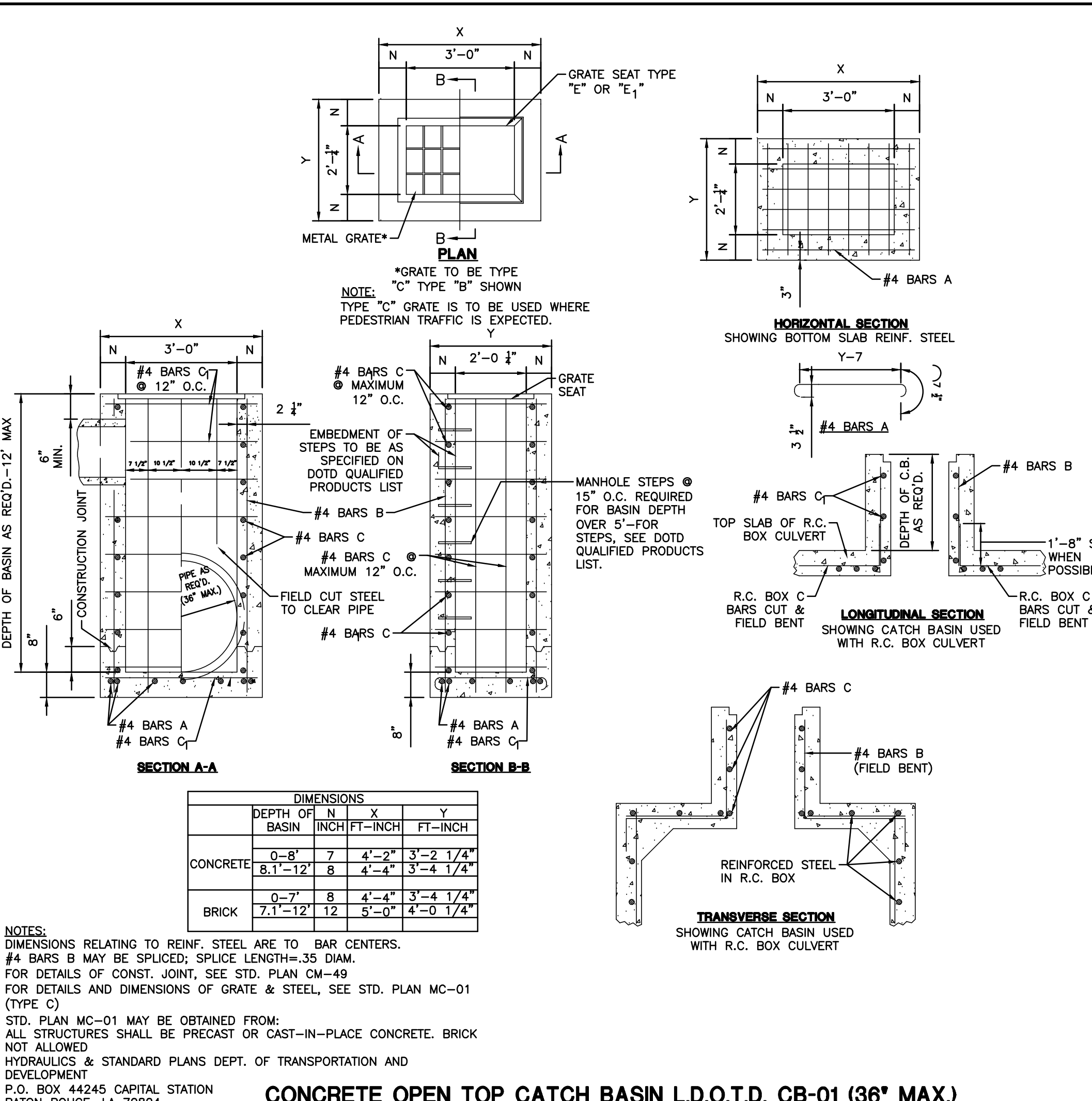
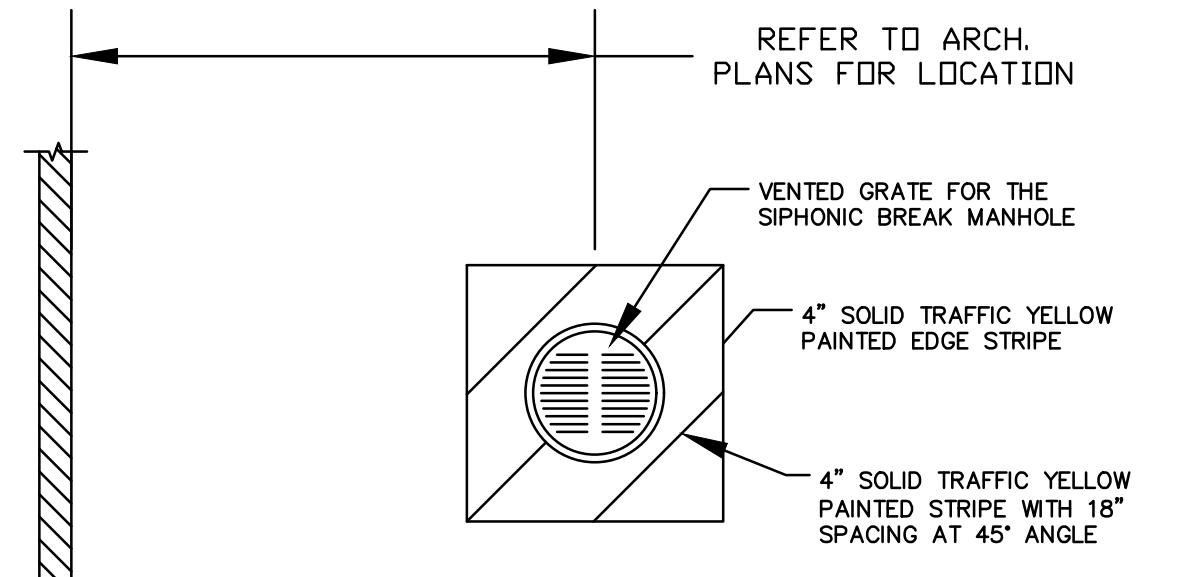
PIPE SIZE	SKREW OF CROSS DRAIN
24"	4'-0"
30"	4'-0"
36"	4'-0"
42"	5'-3"
48"	5'-10"
60"	7'-0"
72"	7'-0"
84"	8'-2"
96"	9'-4"
108"	10'-6"
120"	11'-0"
144"	14'-2"
168"	17'-8"

REINFORCEMENT SCHEDULE, WALLS

SECTION	WIDTH ("W")	HOR.	VERT.
"A"	BETWEEN 4' & 7'	#4'S @ 8"	#4'S @ 10"
"A"	GREATER THAN 7'	#5'S @ 4 1/2"	#4'S @ 10"

REINFORCEMENT SCHEDULE, TOP

DIMENSIONS	STEEL	SPECIAL PATTERN
W1 = 7' OR LESS	#4'S @ 8" E.W.	DIAGONAL @ COVER
W2 = 7' OR LESS	#4'S @ 8" E.W.	DIAGONAL @ COVER
W1 = 7' OR GREATER	#4'S @ 8" E.W.	DIAGONAL @ COVER
W2 = 7' OR GREATER	#4'S @ 8" E.W.	DIAGONAL @ COVER



- NOTES:
- CONCRETE STRENGTH TO BE 3000 PSI (MIN.) AT 28 DAYS.
 - REINFORCING STEEL SHALL CONFORM TO A.S.T.M. DESIGNATION A615-GRADE 60.
 - ALL MASONRY TO BE Laid WITH RUNNING BOND AND HEADER COURSE, EVERY FOURTH LAYER. A. THE MORTAR SHOULD BE TYPE "A", (C250 PSI COMPRESSION).
 - SPLIT CASING SHALL BE GALVANIZED STEEL, POLYMER COATED (10MIL/10MIL) IN ACCORDANCE WITH AASHTO DESIGNATIONS M-218, M-245 AND M-246; 16 GAGE.
 - THE BRICK SHALL CONFORM TO AASHTO DESIGNATION M91, MANHOLE BRICK GRADE MM.
 - 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.
 - ALL WATER LINES IN CONFLICT BOX SHALL BE DUCTILE IRON PIPE. OTHER PIPE MATERIAL SHALL BE INSTALLED IN SPLIT CASING.
 - CLEARANCES SHOWN ARE NOT FOR HYDRAULIC DESIGN PURPOSES, BUT ARE MINIMUM CLEARANCES REQUIRED FOR PROPER INSPECTION AND MAINTENANCE OF THE DRAINAGE SYSTEM. THE 24" MIN. CLEARANCES SHOWN WILL EXTEND FROM INNER WALL SURFACES OR THE INVERT OF THE CONFLICT BOX TO THE OUTSIDE OF THE CASING OR THE OUTER EDGE OF THE CASING FLANGE, WHICHEVER IS APPLICABLE. MODIFIED CONFLICT BOXES SHALL BE DESIGNED AND CONSTRUCTED, IF NECESSARY, TO PROVIDE FOR SMOOTH AND ADEQUATE FLOW OF THE DESIGN RUNOFF. ALL CLEARANCES AND OPENINGS OF MODIFIED CONFLICT BOXES SHALL BE COMPATIBLE WITH AND SIZED FOR THE DRAIN LINES IN CONFLICT. ONE OF THE FOLLOWING BOXES MUST BE CHECKED.
 - FOR MODIFIED CONFLICT BOX SEE DRAINAGE STRUCTURES DETAIL SHEETS.
 - IF PARISH STANDARD, THIS SHEET, NO MODIFIED CONFLICT BOX DETAIL IS INCLUDED IN THESE DRAWINGS.
 - MANHOLE STEPS SHALL BE INSTALLED IN CONFLICT BOXES 4'-0" DEEP AND OVER MANHOLE STEPS SHALL CONFORM TO PARISH STANDARDS.
 - BRICK CONFLICT BOXES OVER 7' DEEP WILL REQUIRE 12" THICK WALLS BELOW THE 7' DEPTH.
 - THE PREFERRED METHOD OF INSTALLING SPLIT CASINGS IS TO HAVE THE FLANGES IN 3 O'CLOCK/9 O'CLOCK POSITIONS AS SHOWN IN SEC. B-B. INSTALLING SPLIT CASINGS WITH FLANGES IN OTHER POSITIONS SUCH AS 6 O'CLOCK/12 O'CLOCK POSITION IS PERMISSIBLE IN MANHOLES, WHICH ARE LIMITED TO 5'-0" IN DIAMETER.

