

# FREMAUX GAS STATION

## ST. TAMMANY PARISH

### 39109 HWY 190 E

### SLIDELL, LA

#### UTILITY AND GOVERNING AUTHORITIES CONTACT LIST:

**CHIEF BUILDING OFFICIAL**

CITY OF SLIDELL, BUILDING SAFETY, PERMITS AND CODE ENFORCEMENT  
P.O. BOX 828  
SLIDELL, LA 70459  
CONTACT: JOE FRANCE  
OFFICE: 985.646.4323  
FAX: 985.646.6117  
EMAIL: BUILDINGSAFETY1@CITYOFSLIDELL.ORG

**ELECTRIC**

CLECO  
2900 E. CAUSEWAY APPROACH SUITE C  
MANDEVILLE, LA 70448  
CONTACT: KEMP HARTZOG  
OFFICE: 985.867.4638  
MOBILE: 985.273.8300  
EMAIL: KEMP.HARTZOG@CLECO.COM

**WATER & SEWER - DIRECTOR OF PUBLIC OPERATIONS**

CITY OF SLIDELL, PUBLIC OPERATIONS DEPARTMENT  
250 BOUSCAREN STREET, SUITE 203  
SLIDELL, LA 70458  
CONTACT: DONNIE MARSHALL  
TELEPHONE: 985.646.4258  
EMAIL: DMARHSALL@CITYOFSLIDELL.ORG

**TELEPHONE**

AT&T  
72337 INDUSTRY PARK  
COVINGTON, LA 70435  
CONTACT: NEAL JONES  
TELEPHONE: 985.327.6437 / 985.867.1288  
EMAIL: NEAL.JONES@ATT.COM

**CITY ENGINEER**

CITY OF SLIDELL, ENGINEERING DEPARTMENT  
P.O. BOX 828  
SLIDELL, LA 70459  
CONTACT: BLAINE CLANCY, P.E.  
OFFICE: 985.646.4270  
FAX: 985.646.6124  
EMAIL: BCLANCY@CITYOFSLIDELL.ORG

**DIRECTOR OF PLANNING**

CITY OF SLIDELL, PLANNING AND ZONING  
250 BOUSCAREN STREET, SUITE 203  
SLIDELL, LA 70458  
CONTACT: DANIEL MCLEMURRAY, AICP  
OFFICE: 985.646.4320  
FAX: 985.646.4356  
EMAIL: DMCLEMURRAY@CITYOFSLIDELL.ORG



SITE LOCATION MAP

SCALE: 1" = 1000'

DDG PROJECT # 22-1344

#### SHEET INDEX

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14. C-7.5.....DETAILS

#### CONSULTANT LIST:

**SURVEY**

J.V. BURKES & ASSOCIATES, INC.  
1805 SHORTCUT HIGHWAY  
SLIDELL, LA 70458  
CONTACT: SEAN BURKES  
TELEPHONE: 985.649.0075  
FAX: 985.649.0154  
EMAIL: JVBASSOC@JVBURKES.COM

**LANDSCAPE ARCHITECT**

GARDEN DOCTORS ARCHITECTURAL & LANDSCAPE CONSTRUCTION FIRM  
201 ST. CHARLES AVENUE, SUITE 114-260  
NEW ORLEANS, LA 70170  
CONTACT: DR. NATHANAEL SCALES, PhD, CBC  
OFFICE: 504.834.0002  
CELL: 504.994.2234  
EMAIL: NSCALES@GARDENDOCTORS.NET

**CIVIL ENGINEER**

DUPLANTIS DESIGN GROUP, PC  
1 GALLERIA BLVD. SUITE 1506  
METAIRIE, LA 70001  
CONTACT: SCOTT TABARY, P.E.  
TELEPHONE: 504.434.6565  
EMAIL: STABARY@DDGPC.COM

**GEOTECHNICAL ENGINEER**

STRATUM ENGINEERING, LLC  
585 JOHNNY F. SMITH AVENUE  
SLIDELL, LA 70460  
CONTACT: TONY MAROUN, P.E.  
TELEPHONE: 985.643.1160  
EMAIL: TMAROUN@STRATUMENGR.COM

#### PROJECT NOTES:

1. THIS PROJECT IS BEING CONSTRUCTED WITHIN THE BOUNDARIES OF THE CITY OF SLIDELL.
2. THE CONTRACTOR SHALL ENSURE THAT ALL GOVERNMENTAL REQUIRED INSPECTION, ALONG WITH THOSE REQUIRED BY PRIVATE UTILITIES, ARE PERFORMED PRIOR TO TURNING THE BUILDING OVER TO PELICAN REAL ESTATE, LLC.
3. THE SITEWORK FOR THIS PROJECT SHALL MEET OR EXCEED SITEWORK RECOMMENDATIONS SET FORTH IN THE GEOTECHNICAL REPORT DATED OCTOBER 12, 2021 PREPARED BY STRATUM ENGINEERING OR THE SITEWORK SPECIFICATIONS FOR THE CITY OF SLIDELL, WHICHEVER IS MORE STRINGENT.

#### PREPARED FOR:

PELICAN STATE REAL ESTATE, LLC  
469 INDIAN VILLAGE ROAD  
SLIDELL, LA 70461  
PHONE: 601.668.9138

**FREMAUX GAS STATION**  
SLIDELL, LA  
ST TAMMANY PARISH  
PELICAN STATE REAL ESTATE, LLC  
469 INDIAN VILLAGE RD.



**PRELIMINARY  
NOT FOR  
CONSTRUCTION**

PROJECT NO. 22-1344  
FOR PERMITTING  
01/14/2025

CHECKED BY SMT  
DRAWN BY DTS

SHEET NAME

**C-0**

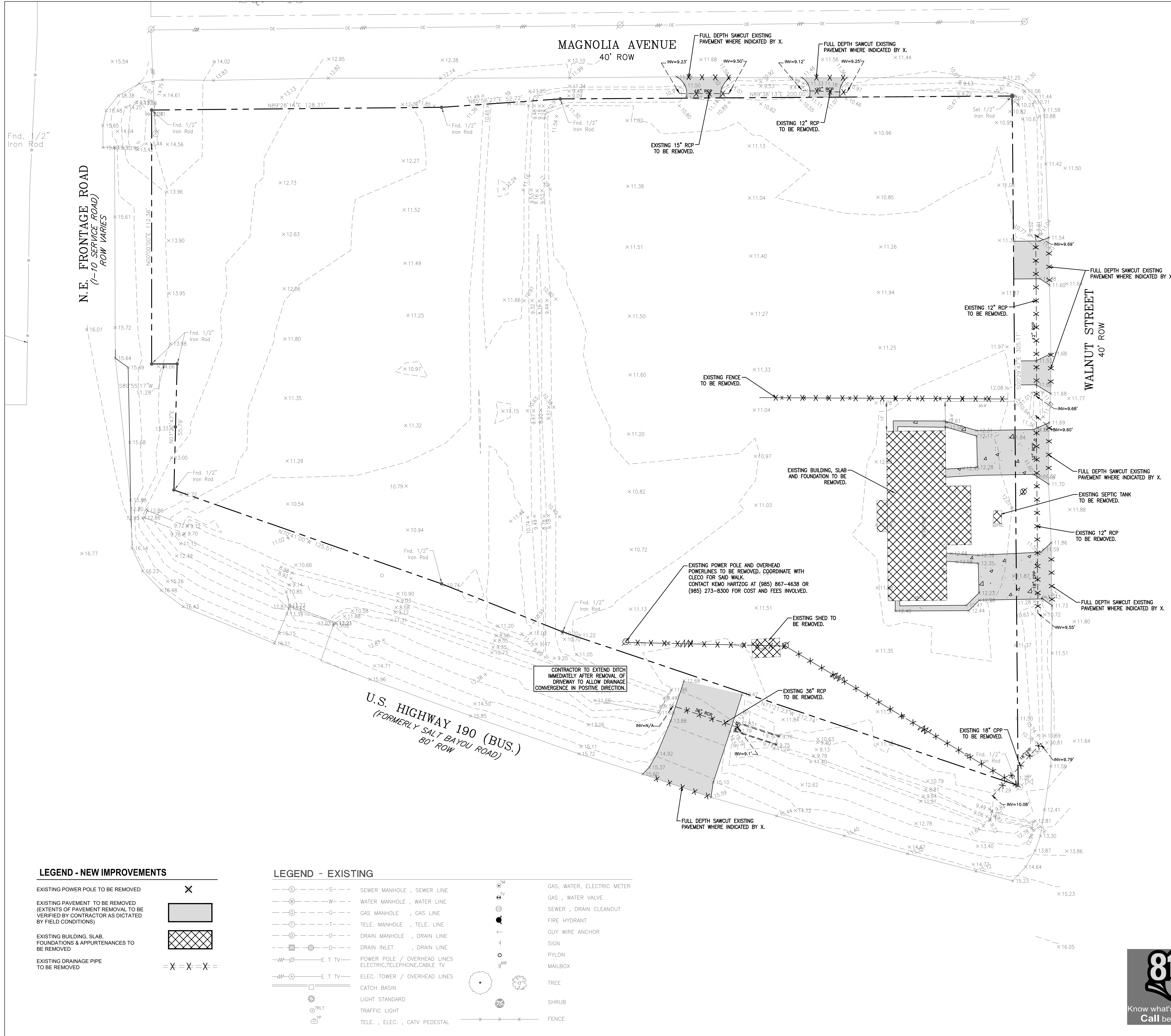






DEMOLITION NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE DISCONNECTION OF UTILITY SERVICES TO THE EXISTING BUILDINGS AND ACCESSORY STRUCTURES PRIOR TO DEMOLITION OF THE BUILDINGS.
2. THE CONTRACTOR IS RESPONSIBLE FOR AND SHALL COORDINATE WITH RESPECTIVE UTILITY COMPANIES PRIOR TO THE DISCONNECTION, REMOVAL, & OR RELOCATION OF UTILITIES. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANY TO DETERMINE IF PORTIONS OF UTILITY WORK WILL BE PERFORMED BY THE UTILITY COMPANY'S FORCES & ANY FEES WHICH ARE TO BE PAID TO THE UTILITY COMPANY FOR THEIR SERVICES. THE CONTRACTOR IS RESPONSIBLE FOR UTILITY DISCONNECTION, REMOVAL, RELOCATIONS, AND PAYING ASSOCIATED FEES & CHARGES UNLESS OTHERWISE NOTED IN THE PLANS.
3. THE CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION & REMOVAL OF ALL BUILDINGS, STRUCTURES, PADS, WALLS, FLUMES, FOUNDATIONS, PARKING, DRIVES, DRAINAGE STRUCTURES, UTILITIES, ETC., TO FACILITATE THE CONSTRUCTION OF IMPROVEMENTS SHOWN ON THE REMAINING CONSTRUCTION DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR ALL PERMITS INVOLVED WITH DEMOLITION ACTIVITIES AND IS RESPONSIBLE FOR REMOVING & DISPOSAL OF THE DEBRIS IN AN APPROVED, LAWFUL MANNER. THE CONTRACTOR MAY NOT STORE DEMOLISHED MATERIAL ON SITE UNLESS APPROVED IN WRITING BY THE OWNER.
4. EXISTING UTILITIES (INCLUDING METERS, VALVES, ETC.) BEING REMOVED SHALL BE REMOVED, TERMINATED & CAPPED AT THE PROPERTY LINE UNLESS OTHERWISE NOTED IN THE PLANS.
5. THE CONTRACTOR SHALL MAINTAIN UTILITY SERVICES TO THE EXISTING ADJACENT PROPERTIES AT ALL TIMES. IF UTILITY REMOVAL & OR RELOCATION WILL AFFECT AN ADJACENT PROPERTY OWNER, THE CONTRACTOR SHALL COORDINATE WITH AFFECTED PARTIES & UTILITY COMPANIES PRIOR TO THE RELOCATION & OR REMOVAL OF UTILITIES. UTILITY SERVICE SHALL NOT BE INTERRUPTED WITHOUT WRITTEN APPROVAL FROM THE AFFECTED END USER.
6. ALL AREAS WHERE STRUCTURE SLABS, FOUNDATIONS, UTILITIES, CONDUITS, UTILITY STRUCTURES, AND FACILITIES HAVE BEEN REMOVED SHALL BE BACKFILLED WITH COMPACTED SELECT BACKFILL MATERIAL. SELECT FILL MATERIAL SHALL BE PLACED & COMPACTED PER THE REQUIREMENTS OF SITE PREPARATION NOTES, APPLICABLE SPECIFICATIONS & THE OWNER'S GEOTECHNICAL ENGINEER.
7. EXISTING CAST IN PLACE SEPTIC TANKS SHALL BE PUMPED BY A LICENSED CONTRACTOR. THE SEPTIC TANK SHALL THEN BE BACKFILLED PER THE PROJECT SPECIFICATIONS. IF AN EXISTING CAST IN PLACE SEPTIC TANK IS LOCATED SUCH THAT IT CONFLICTS WITH THE REQUIRED FOUNDATION SYSTEM, THE SEPTIC TANK SHALL BE REMOVED. ALL WORK SHALL BE IN ACCORDANCE WITH HEALTH DEPARTMENT REQUIREMENTS.
8. EXISTING FENCES LOCATED IN THE PROJECT AREA SHALL BE DEMOLISHED & REMOVED UNLESS OTHERWISE NOTED.
9. EXISTING MANHOLES, DRAINAGE STRUCTURES & VALVE BOXES TO REMAIN IN PLACE SHALL BE ADJUSTED TO FINAL GRADES.
10. PRIOR TO ANY WORK ON SITE, THE CONTRACTOR SHALL CONTACT THE LOUISIANA ONE CALL SYSTEM AT 1-800-272-3020 OR 811. THE CONTRACTOR IS RESPONSIBLE FOR ALL UTILITY REMOVALS.
11. THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THIS PLAN HAVE BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY.
12. ANY DAMAGE TO EXISTING IMPROVEMENTS TO REMAIN SHALL BE REPLACED AT CONTRACTOR'S EXPENSE. REPLACEMENT AND REPAIRS MADE SHALL BE EQUAL TO OR BETTER THAN EXISTING.
13. THE CONTRACTOR SHALL CONTACT THE OWNER AT LEAST 72 HOURS PRIOR TO BEGINNING OF DEMOLITION OPERATIONS TO ENSURE ALL SALVAGEABLE MATERIAL DESIRED BY THE OWNER IS REMOVED FROM THE SITE.
14. PRIOR TO BEGINNING DEMOLITION, CONTRACTOR SHALL LOCATE AND MARK LIMITS OF CONSTRUCTION. NO CONSTRUCTION ACTIVITIES SHALL TAKE PLACE OUTSIDE OF THOSE LIMITS.
15. THE CONTRACTOR SHALL CONDUCT A PRE-CONSTRUCTION MEETING ON SITE WITH ALL UTILITY COMPANIES IMMEDIATELY AFTER CONTRACT AWARD TO COORDINATE SCHEDULE FOR UTILITY REMOVAL AND RELOCATION.
16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE SITE PRIOR TO SUBMITTING A BID TO DETERMINE THE COMPLETE SCOPE OF THE DEMOLITION PROGRAM.
17. CONTRACTOR SHALL COORDINATE WITH OWNER TO DETERMINE IF ANY ITEMS BE SALVAGED OR REMOVED BY OTHERS PRIOR TO DEMOLITION.
18. ADEQUATE EROSION CONTROL DEVICES MUST BE INSTALLED PRIOR TO THE START OF DEMOLITION ACTIVITIES UNLESS OTHERWISE NOTED IN THE PLANS OR APPROVED IN WRITING BY THE ENGINEER.
19. PRIOR TO THE START OF DEMOLITION AND CONSTRUCTION ACTIVITIES THE CONTRACTOR MUST CALL 811 AND THE LOCAL UTILITY PROVIDERS TO HAVE ALL UTILITIES MARKED WITHIN THE PROJECT AREA. AFTER UTILITIES ARE MARKED, THE CONTRACTOR SHALL PERFORM A PLAN IN HAND WALK THRU OF THE ENTIRE PROJECT AREA AND SHALL CONTACT THE CIVIL ENGINEER IMMEDIATELY IF THERE ARE ANY DEVIATIONS IN THE LOCATIONS OF EXISTING UTILITIES SHOWN IN THE PLANS AND/OR THE PRESENCE OF UTILITIES THAT ARE NOT SHOWN IN THE PLANS.



**FREMAUX GAS STATION**  
 SLIDELL, LA  
 ST TAMMANY PARISH  
 PELICAN STATE REAL ESTATE, LLC  
 469 INDIAN VILLAGE RD.

**DDG**  
 1 GALLERIA BLVD. | SUITE 1506  
 METAIRIE, LA  
 504.434.6565

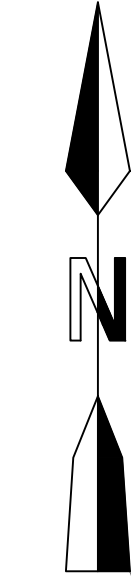
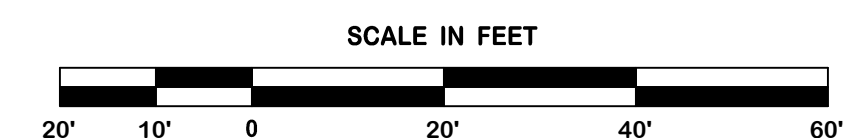
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 CHECKED BY \_\_\_\_\_ SMT  
 DRAWN BY \_\_\_\_\_ DTS  
 SHEET NAME

**C-1**



**DEMOLITION PLAN**



**LEGEND - NEW IMPROVEMENTS**

- EXISTING POWER POLE TO BE REMOVED
- EXISTING PAVEMENT TO BE REMOVED (EXTENTS OF PAVEMENT REMOVAL TO BE VERIFIED BY CONTRACTOR AS DICTATED BY FIELD CONDITIONS)
- EXISTING BUILDING, SLAB, FOUNDATIONS & APPURTENANCES TO BE REMOVED
- EXISTING DRAINAGE PIPE TO BE REMOVED

**LEGEND - EXISTING**

- SEWER MANHOLE, SEWER LINE
- WATER MANHOLE, WATER LINE
- GAS MANHOLE, GAS LINE
- TELE. MANHOLE, TELE. LINE
- DRAIN MANHOLE, DRAIN LINE
- DRAIN INLET, DRAIN LINE
- POWER POLE / OVERHEAD LINES, ELEC. TOWER / OVERHEAD LINES
- CATCH BASIN
- LIGHT STANDARD
- TRAFFIC LIGHT
- TELE., ELEC., CATV PEDESTAL
- GAS, WATER, ELECTRIC METER
- GAS, WATER VALVE
- SEWER, DRAIN CLEANOUT
- FIRE HYDRANT
- GUY WIRE ANCHOR
- SIGN
- PYLON
- MAILBOX
- TREE
- SHRUB
- FENCE

Z:\2022\22-1344\CIVIL\CAD\22-1344 C-1 DEMO.DWG



SQ. 15

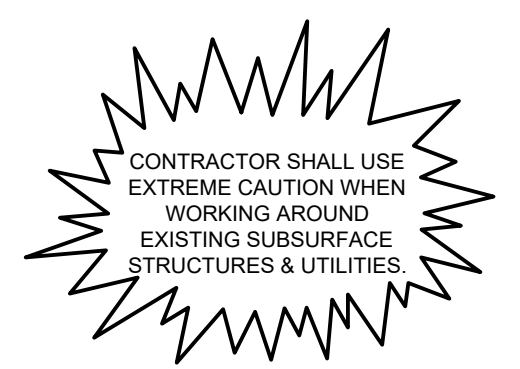
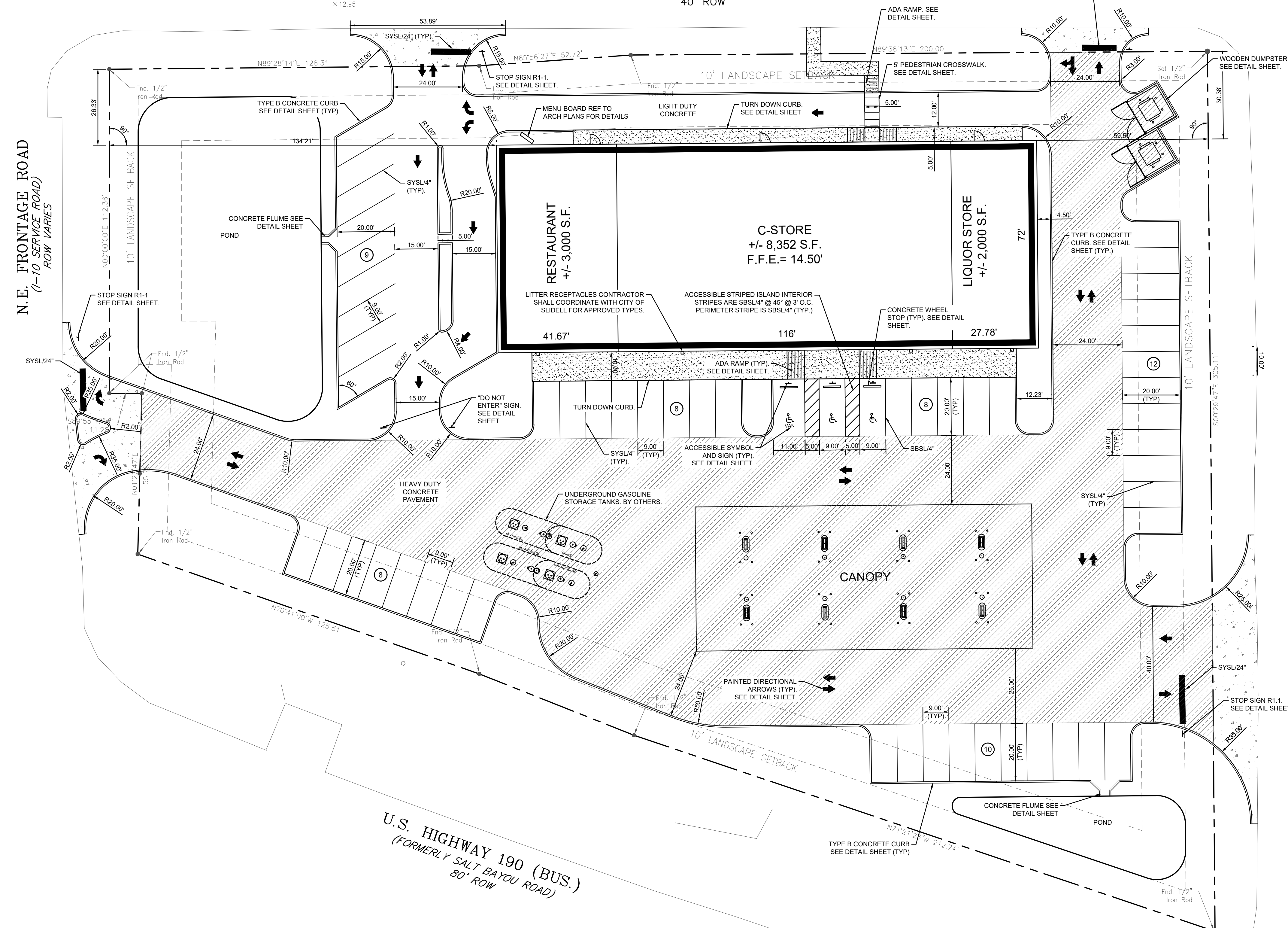
MAGNOLIA AVENUE  
40' ROW

N. E. FRONTAGE ROAD  
(1-10 SERVICE ROAD)  
ROW VARIES

AREA ANALYSIS	
C-STORE	8,352 S.F.
RESTAURANT	3,000 S.F.
LIQUOR STORE	2,000 S.F.
<b>TOTAL SITE AREA</b>	<b>2.06 ACRES</b>

SITE ANALYSIS	
STANDARD PARKING	52 SPACES
ADA PARKING	3 SPACES
<b>TOTAL PARKING PROVIDED</b>	<b>55 SPACES</b>
<b>PARKING REQUIRED*</b>	<b>55 SPACES</b>

\* PARKING REQUIRED:  
C-STORE & LIQUOR STORE: 1 SPACE PER 300 S.F.  
10,352 / 300 = 34.51 = 35 SPACES  
RESTAURANT: 1 SPACE PER 150 S.F.  
3,000 / 150 = 20 = 20 SPACES



WALNUT STREET  
40' ROW

U.S. HIGHWAY 190 (BUS.)  
(FORMERLY SALT BAYOU ROAD)  
80' ROW

LEGEND - NEW IMPROVEMENTS

BUILDING		TRANSFORMER PAD	
CONCRETE CURB AND GUTTER		DIRECTIONAL ARROWS	
PARKING SPACES		SITE LIGHTING POLES	
ADA RAMP		CONCRETE DRIVEWAY APRON PER CITY OF SLIDELL DETAIL	
LIGHT DUTY CONCRETE PAVEMENT		SIDEWALK	
HEAVY DUTY CONCRETE PAVEMENT			

SITE PLAN NOTES:

- CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATIONS & DIMENSIONS OF BUILDING, ARCHITECTURE, SIDEWALKS, EXIT PORCHES, RAMPS, TRUCK DOCKS, & EXACT BUILDING UTILITY SERVICE ENTRANCE LOCATIONS AT THE BUILDING.
- ALL UNSURFACED AREAS ARE TO RECEIVE FOUR INCHES OF TOPSOIL, SEED, MULCH, OR SOD, & WATERED UNTIL A HEALTHY STAND OF GRASS IS OBTAINED AS INDICATED ON THE LANDSCAPING PLAN.
- PROPERTY & TOPOGRAPHIC SURVEY WAS PREPARED BY J.V. BURKES AND ASSOCIATES DATED 10/11/2019.
- CONTRACTOR IS RESPONSIBLE FOR PROTECTING EXISTING BENCHMARKS.
- 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.
- CONTRACTOR SHALL REFER TO ARCHITECT'S PLANS & SPECIFICATIONS FOR ENTRY LOCATION OF ALL WATER, SEWER SERVICE, ELECTRICAL, TELEPHONE & GAS SERVICE. CONTRACTOR SHALL COORDINATE INSTALLATION OF UTILITIES IN SUCH A MANNER AS TO AVOID CONFLICTS & ASSURE PROPER DEPTHS ARE ACHIEVED AS WELL AS COORDINATING WITH THE REGULATORY AGENCY AS TO THE LOCATION & TIE-INS/CONNECTIONS TO THEIR FACILITIES.
- SEE COVER SHEET FOR LIST OF UTILITY COMPANIES & CONTACT PERSONS.
- ALL DIMENSIONS SHOWN TO BUILDING ARE TO OUTSIDE FACE OF BUILDING.
- THE EARTHWORK FOR ALL BUILDING FOUNDATIONS & SLABS SHALL BE IN ACCORDANCE WITH THE SITE PREPARATION NOTES FOUND ON GRADING PLAN.
- ALL NECESSARY PERMITS & APPROVALS FROM AGENCIES GOVERNING THE CONSTRUCTION OF THIS WORK SHALL BE SECURED PRIOR TO BEGINNING CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL AREAS INDICATED TO REMAIN UNDISTURBED OR TO BE REMAINED AS BUFFERS, ALL PROPERTY CORNERS, & REPLACING ALL PINS ELIMINATED OR DAMAGED DURING CONSTRUCTION.
- 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.
- THE SITE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL UNDERGROUND UTILITIES WITH HIS WORK. ALL UNDERGROUND UTILITIES (WATER, SANITARY SEWER, STORM SEWER, ELECTRICAL CONDUIT, IRRIGATION SYSTEMS, & ANY OTHER MISC. UTILITIES) SHALL BE IN PLACE PRIOR TO THE PLACEMENT OF BASE COURSE MATERIAL, & THE PLACEMENT OF ANY APPROPRIATE SOIL STABILIZATION TECHNIQUE.
- CONTRACTOR SHALL PROVIDE BOLLARDS FOR PROTECTION OF ALL ABOVE GROUND UTILITIES & APPURTENANCES ADJACENT TO DRIVE AREAS.
- CONTRACTOR SHALL MATCH EXISTING PAVEMENT IN GRADE & ALIGNMENT.
- CONSTRUCTION SHALL COMPLY WITH ALL GOVERNING CODES & BE CONSTRUCTED TO THE SAME.
- ALL WORK SHOWN SHALL BE DONE IN ACCORDANCE WITH THE PLANS.
- ALL STRIPING SHALL COMPLY WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES LATEST EDITION.
- ANY WORK IN THE RIGHT OF WAY SHALL BE PERFORMED IN ACCORDANCE WITH THE CITY OF SLIDELL DEPARTMENT OF ENGINEERING'S STANDARDS & SPECIFICATIONS.
- THE PROPERTIES SHOWN HEREIN LIE WITHIN ZONE "C", ACCORDING TO FLOOD AREAS OF INSURANCE RATE MAPS PUBLISHED BY F.E.M.A. COMMUNITY PANEL NO. 220204010C DATED APRIL 21, 1999. FURTHERMORE, BASE ON THE PRELIMINARY D-FIRM, THE SITE IS LOCATED IN ZONE X.
- THE EARTHWORK FOR ALL BUILDING FOUNDATIONS & SLABS SHALL BE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT NO. G21-073 BY STRATUM ENGINEERING, LLC DATED 10/12/2021.

SITE LAYOUT NOTES:

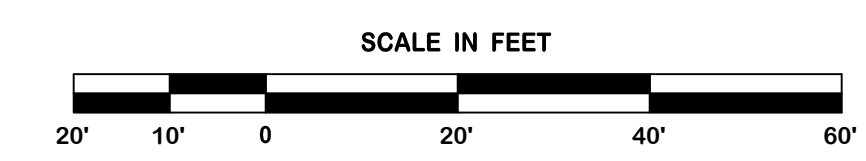
- SITE AREA = +/- 2.06 ACRES.
- DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
- ALL RADI ARE 5 FEET UNLESS NOTED OTHERWISE.
- SEE DRAWING C-7 THROUGH C-7.4 FOR DETAILS.

LEGEND - STRIPING

- SYSL/4" - SINGLE YELLOW SOLID LINE / 4" WIDE
- SBSL/4" - SINGLE BLUE SOLID LINE / 4" WIDE
- SWSL/12" - SINGLE WHITE SOLID LINE / 12" WIDE
- SYSL/24" - SINGLE YELLOW SOLID LINE / 24" WIDE



SITE PLAN



**FREMAUX GAS STATION**  
SLIDELL, LA  
ST TAMMANY PARISH  
PELICAN STATE REAL ESTATE, LLC  
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SHEET NAME

C-2



**GRADING NOTES:**

- TOPOGRAPHIC INFORMATION WAS TAKEN FROM A TOPOGRAPHIC SURVEY BY J.V. BURKES AND ASSOCIATES DATED 10/11/2019. IF CONTRACTOR DOES NOT ACCEPT EXISTING TOPOGRAPHY AS SHOWN ON THE PLANS, WITHOUT EXCEPTION, HE SHALL HAVE MADE, AT HIS EXPENSE, A TOPOGRAPHIC SURVEY BY A REGISTERED LAND SURVEYOR & SUBMIT IT TO THE OWNER FOR REVIEW AND APPROVAL.
- EXISTING AND PROPOSED GRADE CONTOURS ARE SHOWN AT ONE FOOT (1') INTERVALS.
- THE CONTRACTOR IS SPECIFICALLY 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 UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE REQUIRED IMPROVEMENTS SHOWN ON THE PLANS.
- CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL UTILITIES & NOTIFYING THE APPROPRIATE UTILITY COMPANY PRIOR TO BEGINNING CONSTRUCTION.
- CONTRACTOR SHALL VERIFY HORIZONTAL & VERTICAL LOCATION OF ALL EXISTING STORM SEWER STRUCTURES, PIPES, & ALL UTILITIES PRIOR TO CONSTRUCTION.
- CLEARING & GRUBBING LIMITS SHALL INCLUDE ALL AREAS DISTURBED BY GRADING OPERATIONS. CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UNDISTURBED AREAS. ALL PROPERTY CORNERS, & REPLACING ALL PINS ELIMINATED OR DAMAGED DURING CONSTRUCTION.
- THE EARTHWORK FOR ALL BUILDING FOUNDATIONS & SLABS SHALL BE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT G21-73 PREPARED BY STRATUM ENGINEERING, LLC DATED OCTOBER 12, 2021.
- CONTRACTOR SHALL COORDINATE WITH ARCHITECTURAL PLANS, POWER COMPANY, & TELEPHONE COMPANY FOR ACTUAL ROUTING OF POWER & TELEPHONE SERVICE TO THE BUILDING.
- CONSTRUCTION SHALL COMPLY WITH ALL GOVERNING CODES & BE CONSTRUCTED TO THE SAME.
- THE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING VERTICAL CONTROL INCLUDING THE SETTING OF CONSTRUCTION BENCHMARKS.
- CONTRACTOR IS RESPONSIBLE FOR REPAIRS OF DAMAGE TO ANY EXISTING IMPROVEMENTS DURING CONSTRUCTION, SUCH AS, BUT NOT LIMITED TO, DRAINAGE, UTILITIES, PAVEMENT, STRIPING, CURBS, ETC. REPAIRS SHALL BE EQUAL TO OR BETTER THAN EXISTING CONDITIONS.
- ALL UNSURFACED AREAS DISTURBED BY GRADING OPERATION SHALL RECEIVE SOIL OR 4 INCHES OF TOPSOIL, SEED, MULCH, WATER, ETC. CONTRACTOR SHALL GRASS DISTURBED AREAS IN ACCORDANCE WITH LANDSCAPING PLAN UNTIL A HEALTHY STAND OF GRASS IS OBTAINED.
- GEOTECHNICAL REPORT NO. G21-073 BY STRATUM ENGINEERING, LLC IS CONSIDERED A PART OF THIS DOCUMENT. THE CONTRACTOR MUST REVIEW IT FOR CONSTRUCTION REQUIREMENTS. IF DIFFERENCES ARE NOTED BETWEEN THESE PLANS AND THE GEOTECHNICAL REPORT, REQUIREMENTS OUTLINED IN THE GEOTECHNICAL REPORT WILL GOVERN. THE CONTRACTOR MUST CONTACT THE OWNER, CIVIL ENGINEER, AND GEOTECHNICAL ENGINEER FIRM AND INFORM THEM OF ALL DISCREPANCIES AND PLAN MODIFICATIONS.
- 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.
- ADEQUATE DRAINAGE MEASURES MUST BE ESTABLISHED, MAINTAINED, AND TEMPORARILY ADJUSTED AS NEEDED THROUGHOUT CONSTRUCTION TO PROVIDE POSITIVE DRAINAGE AT ALL TIMES AND PREVENT ACCUMULATION OF SURFACE WATER. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING SUBGRADE CONDITIONS AND PROTECTING THE CONDITION OF PREVIOUSLY PERFORMED EARTHWORK.
- DEWATERING, GROUNDWATER LEVELS CAN FLUCTUATE DEPENDING ON TIME OF YEAR. THE CONTRACTOR SHALL INCLUDE PROVISIONS IN THEIR BASE BID FOR WATER CONTROL DURING CONSTRUCTION INCLUDING (BUT NOT LIMITED TO) DEEP EXCAVATIONS, DEMOLITION, PROOF ROLLING ACTIVITIES, FOUNDATION AND UNDERCUTTING WORK, PLACEMENT OF FILL, AND INSTALLATION OF SUB-SURFACE IMPROVEMENTS.
- CONTRACTOR TO CONTACT THE CITY OF SLIDELL ENGINEERING DEPARTMENT FOR INSPECTIONS ON THE TAPING/INSTALLATION OF CATCH BASINS ON THE DRAIN LINES IN THE STORM DRAINAGE SERVICELINE.

**SITE PREPARATION NOTES:**

- SITE PREPARATION IS EXPECTED TO INCLUDE, BUT NOT BE LIMITED TO CLEARING OF THE SITE AND STRIPPING OF ALL TOPSOIL WITH ORGANICS AND OTHER DELETERIOUS MATERIALS AS WELL AS UNDERCUTTING THE SURFICIAL SILTY SOIL AS NECESSARY TO PROVIDE A TABLE SUBGRADE. BASED ON THE BORINGS, ABOUT 12 INCHES OF SANDY SILTY TOPSOIL WAS ENCOUNTERED AT THIS SITE. HOWEVER, THE ACTUAL STRIPPING AND UNDERCUTTING DEPTHS SHALL BE DETERMINED BY A REPRESENTATIVE OF THE GEOTECHNICAL ENGINEER AT THE TIME OF CONSTRUCTION.
- FURTHERMORE, THE SILTY MATERIAL BELOW THE TOPSOIL EXTENDED AS DEEP AS 2 TO 4 FEET BELOW THE SURFACE AT ALL OF THE BORING LOCATIONS AND COULD EXTEND DEEPER AT OTHER LOCATIONS. DEPENDING ON THE SITE CONDITION AT THE TIME OF CONSTRUCTION, THE MOISTURE SENSITIVE SILTY SOILS COULD LOSE THEIR SUPPORT CAPABILITIES IF SUBJECTED TO HIGH MOISTURE AND MAY NEED TO BE REMOVED AND REPLACED WITH COMPACTED STRUCTURAL FILL. THEREFORE, ADEQUATE DRAINAGE SHALL BE PROVIDED ACROSS THE SITE TO KEEP THE NEAR SURFACE SILTY MATERIAL DRAINED AND MINIMIZE THE AMOUNT OF UNDERCUT DURING CONSTRUCTION.
- THE EXPOSED SUBGRADE IN THE BUILDING AND PARKING AREAS SHALL BE PROOFROLLED WITH A RUBBER TIRE VEHICLE WEIGHING AT LEAST 20 TONS. SOILS, WHICH ARE OBSERVED TO RUT OR DEFLECT EXCESSIVELY UNDER THE MOVING LOAD, SHALL BE UNDERCUT AND REPLACED WITH PROPERLY COMPACTED STRUCTURAL FILL. THE PROOFROLLING AND UNDERCUTTING ACTIVITIES SHALL BE WITNESSED BY A REPRESENTATIVE OF THE GEOTECHNICAL ENGINEER AND SHALL BE PERFORMED DURING A PERIOD OF DRY WEATHER.
- AFTER SUBGRADE PREPARATION AND OBSERVATION HAVE BEEN COMPLETED, THE INITIAL LAYER OF FILL SHALL BE PLACED IN A RELATIVELY UNIFORM HORIZONTAL LIFT AND BE ADEQUATELY KEYED INTO THE STRIPPED AND SCARIFIED SUBGRADE SOILS. THE STRUCTURAL FILL SHALL CONSIST OF SANDY CLAYS OR CLAYEY SANDS HAVING A MAXIMUM LIQUID LIMIT OF 40 AND A PLASTICITY INDEX LESS THAN 20 PERCENT.
- THE FILL SHALL BE PLACED IN MAXIMUM LIFTS OF EIGHT (8) INCHES OF LOOSE MATERIALS AND SHALL BE COMPACTED WITHIN ONE (1) PERCENTAGE POINT BELOW AND THREE (3) PERCENTAGE POINTS ABOVE THE OPTIMUM MOISTURE CONTENT. IF WATER MUST BE ADDED, IT SHOULD BE UNIFORMLY APPLIED AND THOROUGHLY MIXED INTO THE SOIL BY DISKING OR SCARIFYING. THE FILL SHALL BE COMPACTED TO AT LEAST 95 PERCENT OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D698. ADEQUATE DRAINAGE SHALL BE PROVIDED PRIOR TO AND DURING SITE WORK. THE SITE SHALL BE GRADED TO PROMOTE RAPID RUNOFF.
- CROWNING THE BUILDING PAD DURING FILL PLACEMENT, PARTICULARLY IN WET PERIODS, IS HIGHLY RECOMMENDED TO MINIMIZE PONDING OF WATER AND ALLOW RAPID RUNOFF OF SURFACE WATER. CONSTRUCTION TRAFFIC SHALL NOT BE ALLOWED ON THE BUILDING PAD DURING WET WEATHER, WHERE PRACTICAL.

**FREMAUX GAS STATION**  
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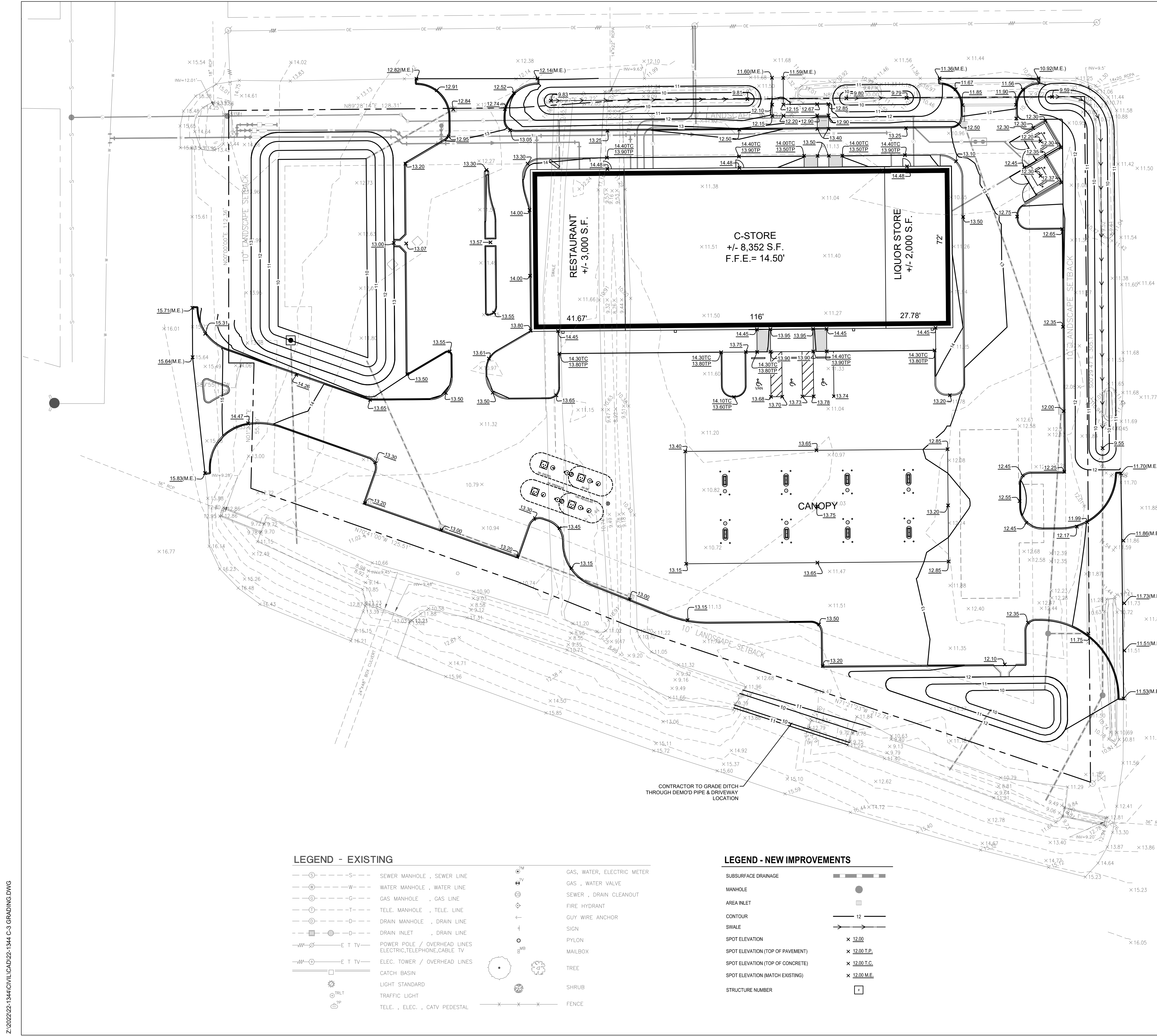
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**C-3**



**LEGEND - EXISTING**

	S	SEWER MANHOLE , SEWER LINE
	W	WATER MANHOLE , WATER LINE
	G	GAS MANHOLE , GAS LINE
	T	TELE. MANHOLE , TELE. LINE
	D	DRAIN MANHOLE , DRAIN LINE
	I	DRAIN INLET , DRAIN LINE
	E T	POWER POLE / OVERHEAD LINES
	E T	ELEC. TOWER / OVERHEAD LINES
	C	CATCH BASIN
	L	LIGHT STANDARD
	TL	TRAFFIC LIGHT
	E	TELE. , ELEC. , CATV PEDESTAL

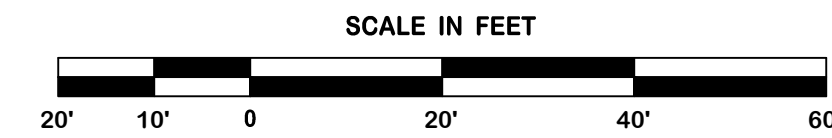
**LEGEND - NEW IMPROVEMENTS**

	M	GAS, WATER, ELECTRIC METER
	V	GAS , WATER VALVE
	C	SEWER , DRAIN CLEANOUT
	H	FIRE HYDRANT
	A	GUY WIRE ANCHOR
	S	SIGN
	P	PLYON
	B	MAILBOX
	T	TREE
	S	SHRUB
	F	FENCE

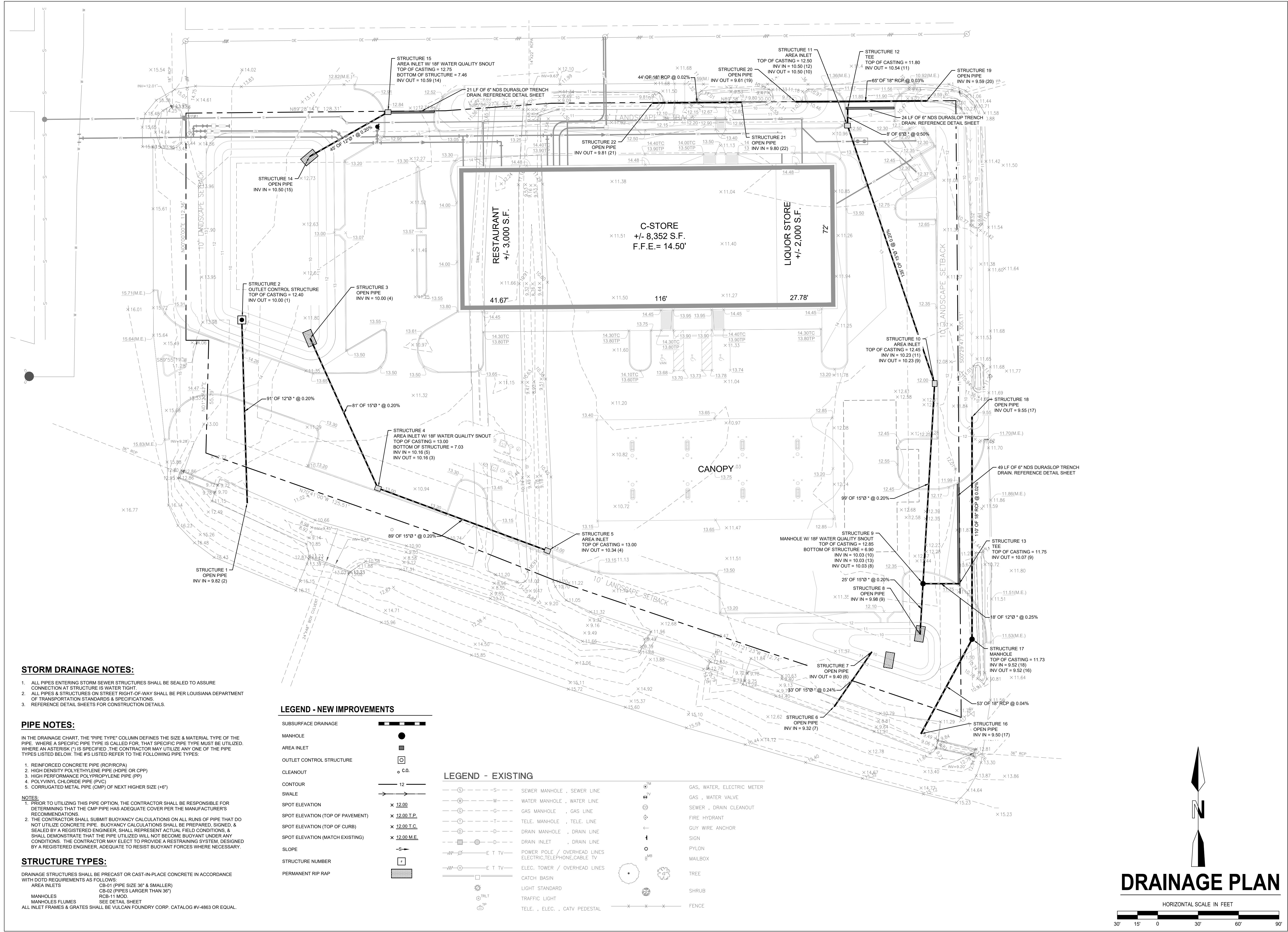
**LEGEND - NEW IMPROVEMENTS**

	SD	SUBSURFACE DRAINAGE
	M	MANHOLE
	I	AREA INLET
	C	CONTOUR
	S	SWALE
	E	SPOT ELEVATION
	T.P.	SPOT ELEVATION (TOP OF PAVEMENT)
	T.C.	SPOT ELEVATION (TOP OF CONCRETE)
	M.E.	SPOT ELEVATION (MATCH EXISTING)
	N	STRUCTURE NUMBER

**GRADING PLAN**







**STORM DRAINAGE NOTES:**

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

**PIPE NOTES:**

IN THE DRAINAGE CHART, THE "PIPE TYPE" COLUMN DEFINES THE SIZE & 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. HIGH PERFORMANCE POLYPROPYLENE PIPE (PP)
4. POLYVINYL CHLORIDE PIPE (PVC)
5. 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, & SEALED BY A REGISTERED ENGINEER. SHALL REPRESENT ACTUAL FIELD CONDITIONS, & 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.  
MANHOLES FLUMES SEE DETAIL SHEET  
ALL INLET FRAMES & GRATES SHALL BE VULCAN FOUNDRY CORP. CATALOG #V-4863 OR EQUAL.

**LEGEND - NEW IMPROVEMENTS**

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

**LEGEND - EXISTING**

- SEWER MANHOLE, SEWER LINE
- GAS, WATER, ELECTRIC METER
- WATER MANHOLE, WATER LINE
- GAS, WATER VALVE
- GAS MANHOLE, GAS LINE
- SEWER, DRAIN CLEANOUT
- TELE. MANHOLE, TELE. LINE
- FIRE HYDRANT
- DRAIN MANHOLE, DRAIN LINE
- GUY WIRE ANCHOR
- DRAIN INLET, DRAIN LINE
- SIGN
- POWER POLE / OVERHEAD LINES
- ELECTRIC, TELEPHONE, CABLE TV
- ELEC. TOWER / OVERHEAD LINES
- CATCH BASIN
- MAILBOX
- LIGHT STANDARD
- TREE
- TRAFFIC LIGHT
- SHRUB
- TELE., ELEC., CATV PEDESTAL
- FENCE

**FREMAUX GAS STATION**

SLIDDELL, LA  
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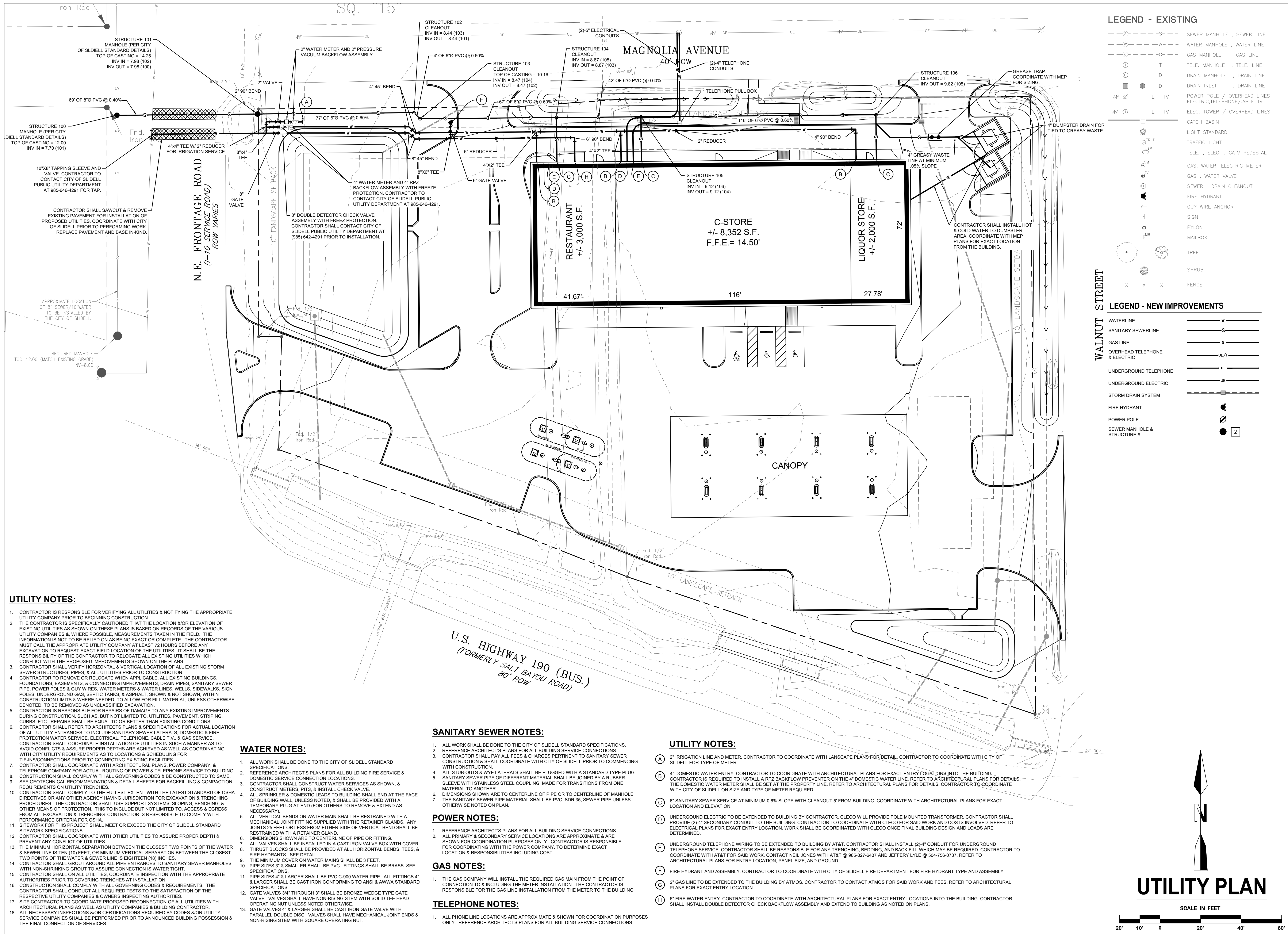
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**LEGEND - EXISTING**

- S --- S --- SEWER MANHOLE, SEWER LINE
- W --- W --- WATER MANHOLE, WATER LINE
- G --- G --- GAS MANHOLE, GAS LINE
- T --- T --- TELE. MANHOLE, TELE. LINE
- D --- D --- DRAIN MANHOLE, DRAIN LINE
- DI --- DI --- DRAIN INLET, DRAIN LINE
- E T V --- E T V --- POWER POLE / OVERHEAD LINES
- E T V --- E T V --- ELEC. TOWER / OVERHEAD LINES
- C --- C --- CATCH BASIN
- L --- L --- LIGHT STANDARD
- T --- T --- TRAFFIC LIGHT
- P --- P --- TELE., ELEC., CATV PEDESTAL
- G --- G --- GAS, WATER, ELECTRIC METER
- S --- S --- GAS, WATER VALVE
- S --- S --- SEWER, DRAIN CLEANOUT
- F --- F --- FIRE HYDRANT
- G --- G --- GUY WIRE ANCHOR
- S --- S --- SIGN
- P --- P --- PYLON
- M --- M --- MAILBOX
- T --- T --- TREE
- S --- S --- SHRUB
- F --- F --- FENCE

**LEGEND - NEW IMPROVEMENTS**

- W --- WATERLINE
- S --- SANITARY SEWERLINE
- G --- GAS LINE
- E T V --- OVERHEAD TELEPHONE & ELECTRIC
- U T --- UNDERGROUND TELEPHONE
- U E --- UNDERGROUND ELECTRIC
- S D --- STORM DRAIN SYSTEM
- F --- FIRE HYDRANT
- P --- POWER POLE
- S M --- SEWER MANHOLE & STRUCTURE #

**UTILITY NOTES:**

1. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL UTILITIES & NOTIFYING THE APPROPRIATE UTILITY COMPANY PRIOR TO BEGINNING CONSTRUCTION.
2. THE CONTRACTOR IS SPECIFICALLY 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 72 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 SHOWN ON THE PLANS.
3. CONTRACTOR SHALL VERIFY HORIZONTAL & VERTICAL LOCATION OF ALL EXISTING STORM SEWER STRUCTURES, PIPES, & ALL UTILITIES PRIOR TO CONSTRUCTION.
4. CONTRACTOR TO REMOVE OR RELOCATE WHEN APPLICABLE, ALL EXISTING BUILDINGS, FOUNDATIONS, EASEMENTS, & CONNECTING IMPROVEMENTS, DRAIN PIPES, SANITARY SEWER PIPE, POWER POLES & GUY WIRES, WATER METERS & WATER LINES, WELLS, SIDEWALKS, SIGN POLES, UNDERGROUND GAS, SEPTIC TANKS, & ASPHALT, SHOWN & NOT SHOWN, WITHIN CONSTRUCTION LIMITS & WHERE NEEDED, TO ALLOW FOR FILL MATERIAL, UNLESS OTHERWISE DENOTED, TO BE REMOVED AS UNCLASSIFIED EXCAVATION.
5. CONTRACTOR IS RESPONSIBLE FOR REPAIRS OF DAMAGE TO ANY EXISTING IMPROVEMENTS DURING CONSTRUCTION, SUCH AS, BUT NOT LIMITED TO, UTILITIES, PAVEMENT, STRIPING, CURBS, ETC. REPAIRS SHALL BE EQUAL TO OR BETTER THAN EXISTING CONDITIONS.
6. CONTRACTOR SHALL REFER TO ARCHITECT'S PLANS & SPECIFICATIONS FOR ACTUAL LOCATION OF ALL UTILITY ENTRANCES TO INCLUDE SANITARY SEWER LATERALS, DOMESTIC & FIRE PROTECTION WATER SERVICE, ELECTRICAL, TELEPHONE, CABLE T.V., & GAS SERVICE. 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-IN CONNECTIONS PRIOR TO CONNECTING EXISTING FACILITIES.
7. CONTRACTOR SHALL COORDINATE WITH ARCHITECTURAL PLANS, POWER COMPANY, & TELEPHONE COMPANY FOR ACTUAL ROUTING OF POWER & TELEPHONE SERVICE TO BUILDING.
8. CONTRACTOR SHALL COMPLY WITH ALL GOVERNING CODES & BE CONSTRUCTED TO SAME.
9. SEE GEOTECHNICAL RECOMMENDATIONS & DETAIL SHEETS FOR BACKFILLING & COMPACTION REQUIREMENTS ON UTILITY TRENCHES.
10. 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.
11. SITEWORK FOR THIS PROJECT SHALL MEET OR EXCEED THE CITY OF SLIDELL STANDARD SITEWORK SPECIFICATIONS.
12. CONTRACTOR SHALL COORDINATE WITH OTHER UTILITIES TO ASSURE PROPER DEPTH & PREVENT ANY CONFLICT OF UTILITIES.
13. 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.
14. CONTRACTOR SHALL GROUT AROUND ALL PIPE ENTRIES TO SANITARY SEWER MANHOLES WITH NON-SHRINKING GROUT TO ASSURE CONNECTION IS WATER TIGHT.
15. CONTRACTOR SHALL ON ALL UTILITIES, COORDINATE INSPECTION WITH THE APPROPRIATE AUTHORITIES PRIOR TO COVERING TRENCHES AT INSTALLATION.
16. 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.
17. SITE CONTRACTOR TO COORDINATE PROPOSED RECONNECTING OF ALL UTILITIES WITH ARCHITECTURAL PLANS AS WELL AS UTILITY COMPANIES & BUILDING CONTRACTOR.
18. ALL NECESSARY INSPECTIONS &/OR CERTIFICATIONS REQUIRED BY CODES &/OR UTILITY SERVICE COMPANIES SHALL BE PERFORMED PRIOR TO ANNOUNCED BUILDING POSSESSION & THE FINAL CONNECTION OF SERVICES.

**SANITARY SEWER NOTES:**

1. ALL WORK SHALL BE DONE TO THE CITY OF SLIDELL STANDARD SPECIFICATIONS.
2. REFERENCE ARCHITECT'S PLANS FOR ALL BUILDING SERVICE CONNECTIONS.
3. CONTRACTOR SHALL CONSTRUCT WATER SERVICES AS SHOWN, & CONSTRUCT METERS, PITS, & INSTALL CHECK VALVE.
4. 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).
5. 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.
6. DIMENSIONS SHOWN ARE TO CENTERLINE OF PIPE OR FITTING.
7. ALL VALVES SHALL BE INSTALLED IN A CAST IRON VALVE BOX WITH COVER.
8. THRUST BLOCKS SHALL BE PROVIDED AT ALL HORIZONTAL BENDS, TEES, & FIRE HYDRANTS. SEE DETAIL.
9. THE MINIMUM COVER ON WATER MAINS SHALL BE 3 FEET.
10. PIPE SIZES 3" & SMALLER SHALL BE PVC. FITTINGS SHALL BE BRASS. SEE SPECIFICATIONS.

**WATER NOTES:**

1. ALL WORK SHALL BE DONE TO THE CITY OF SLIDELL STANDARD SPECIFICATIONS.
2. REFERENCE ARCHITECT'S PLANS FOR ALL BUILDING FIRE SERVICE & DOMESTIC SERVICE CONNECTION LOCATIONS.
3. CONTRACTOR SHALL CONSTRUCT WATER SERVICES AS SHOWN, & CONSTRUCT METERS, PITS, & INSTALL CHECK VALVE.
4. 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).
5. 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.
6. DIMENSIONS SHOWN ARE TO CENTERLINE OF PIPE OR FITTING.
7. ALL VALVES SHALL BE INSTALLED IN A CAST IRON VALVE BOX WITH COVER.
8. THRUST BLOCKS SHALL BE PROVIDED AT ALL HORIZONTAL BENDS, TEES, & FIRE HYDRANTS. SEE DETAIL.
9. THE MINIMUM COVER ON WATER MAINS SHALL BE 3 FEET.
10. PIPE SIZES 3" & SMALLER SHALL BE PVC. FITTINGS SHALL BE BRASS. SEE SPECIFICATIONS.
11. PIPE SIZES 4" & LARGER SHALL BE PVC C-900 WATER PIPE. ALL FITTINGS 4" & LARGER SHALL BE CAST IRON CONFORMING TO ANSI & AWWA STANDARD SPECIFICATIONS.
12. GATE VALVES 3/4" THROUGH 3" SHALL BE BRONZE WEDGE TYPE GATE VALVE. VALVES SHALL HAVE NON-RISING STEM WITH SOLID TEE HEAD OPERATING NUT UNLESS NOTED OTHERWISE.
13. 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.

**UTILITY NOTES:**

- (A) 2" IRRIGATION LINE AND METER. CONTRACTOR TO COORDINATE WITH LANDSCAPE PLANS FOR DETAIL. CONTRACTOR TO COORDINATE WITH CITY OF SLIDELL FOR TYPE OF METER.
- (B) 4" DOMESTIC WATER ENTRY. CONTRACTOR TO COORDINATE WITH ARCHITECTURAL PLANS FOR EXACT ENTRY LOCATIONS INTO THE BUILDING. CONTRACTOR IS REQUIRED TO INSTALL A RPZ BACKFLOW PREVENTER ON THE 4" DOMESTIC WATER LINE. REFER TO ARCHITECTURAL PLANS FOR DETAILS. THE DOMESTIC WATER METER SHALL BE SET AT THE PROPERTY LINE. REFER TO ARCHITECTURAL PLANS FOR DETAILS. CONTRACTOR TO COORDINATE WITH CITY OF SLIDELL ON SIZE AND TYPE OF METER REQUIRED.
- (C) 6" SANITARY SEWER SERVICE AT MINIMUM 0.6% SLOPE WITH CLEANOUT 5' FROM BUILDING. COORDINATE WITH ARCHITECTURAL PLANS FOR EXACT LOCATION AND ELEVATION.
- (D) UNDERGROUND ELECTRIC TO BE EXTENDED TO BUILDING BY CONTRACTOR. CLECO WILL PROVIDE POLE MOUNTED TRANSFORMER. CONTRACTOR SHALL PROVIDE (2)-4" SECONDARY CONDUIT TO THE BUILDING. CONTRACTOR TO COORDINATE WITH CLECO FOR SAID WORK AND COSTS INVOLVED. REFER TO ELECTRICAL PLANS FOR EXACT ENTRY LOCATION. WORK SHALL BE COORDINATED WITH CLECO ONCE FINAL BUILDING DESIGN AND LOADS ARE DETERMINED.
- (E) UNDERGROUND TELEPHONE WIRING TO BE EXTENDED TO BUILDING BY AT&T. CONTRACTOR SHALL INSTALL (2)-4" CONDUIT FOR UNDERGROUND TELEPHONE SERVICE. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY TRENCHING, BEDDING, AND BACK FILL WHICH MAY BE REQUIRED. CONTRACTOR TO COORDINATE WITH AT&T FOR SAID WORK. CONTACT NEIL JONES WITH AT&T @ 985-327-6437 AND JEFFERY LYLE @ 504-756-0737. REFER TO ARCHITECTURAL PLANS FOR ENTRY LOCATION, PANEL SIZE, AND GROUND.
- (F) FIRE HYDRANT AND ASSEMBLY. CONTRACTOR TO COORDINATE WITH CITY OF SLIDELL FIRE DEPARTMENT FOR FIRE HYDRANT TYPE AND ASSEMBLY.
- (G) 2" GAS LINE TO BE EXTENDED TO THE BUILDING BY ATMOS. CONTRACTOR TO CONTACT ATMOS FOR SAID WORK AND FEES. REFER TO ARCHITECTURAL PLANS FOR EXACT ENTRY LOCATION.
- (H) 6" FIRE WATER ENTRY. CONTRACTOR TO COORDINATE WITH ARCHITECTURAL PLANS FOR EXACT ENTRY LOCATIONS INTO THE BUILDING. CONTRACTOR SHALL INSTALL DOUBLE DETECTOR CHECK BACKFLOW ASSEMBLY AND EXTEND TO BUILDING AS NOTED ON PLANS.

**POWER NOTES:**

1. REFERENCE ARCHITECT'S PLANS FOR ALL BUILDING SERVICE CONNECTIONS.
2. 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.

**GAS NOTES:**

1. THE GAS COMPANY WILL INSTALL THE REQUIRED GAS MAIN FROM THE POINT OF CONNECTION TO & INCLUDING THE METER INSTALLATION. THE CONTRACTOR IS RESPONSIBLE FOR THE GAS LINE INSTALLATION FROM THE METER TO THE BUILDING.

**TELEPHONE NOTES:**

1. ALL PHONE LINE LOCATIONS ARE APPROXIMATE & SHOWN FOR COORDINATION PURPOSES ONLY. REFERENCE ARCHITECT'S PLANS FOR ALL BUILDING SERVICE CONNECTIONS.

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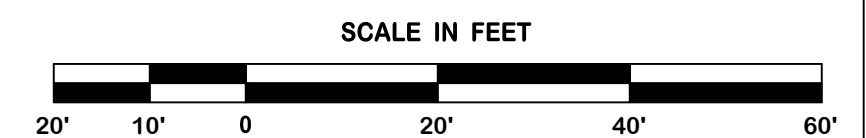
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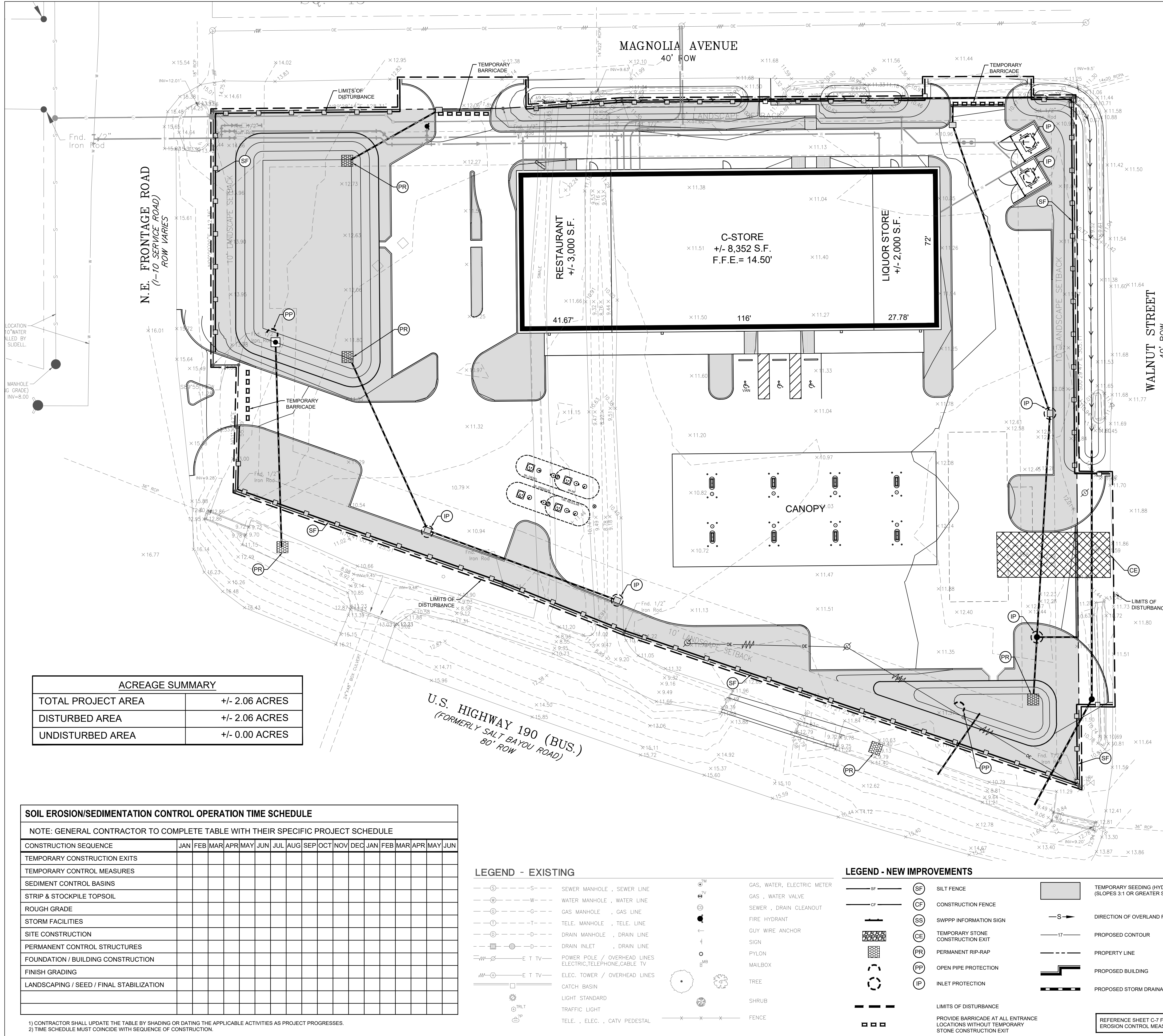
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**UTILITY PLAN**





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**EROSION CONTROL NOTES:**

1. SEDIMENT & EROSION CONTROL FACILITIES & 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 & AFTER EACH RAINFALL & REPAIRED AS NECESSARY.
6. ALL GRADED AREAS SHALL BE STABILIZED WITH A PERMANENT FAST GROWING COVER & 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 SOD. IF A TEMPORARY GRASS IS APPLIED, IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO APPLY A PERMANENT SEED OR SOD AT THE PROPER TIME OF YEAR.
7. FILL 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 & PERMANENT SLOPES DURING CONSTRUCTION SO THAT WATER IS NOT ALLOWED TO FLOW OVER THE SLOPE FACE.
8. THE GENERAL CONTRACTOR & THE GRADING CONTRACTOR SHALL REVIEW THEIR GRADING SEQUENCE TO ENSURE 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 & SEDIMENT CONTROL MEASURES SHOWN HEREON SHALL BE IN PLACE. CLEARING & GRUBBING OPERATIONS WILL BE ENGAGED IN ONLY AS NECESSARY TO ALLOW THE PLACEMENT OF EROSION & SEDIMENT CONTROL MEASURES AS SHOWN HEREON UNTIL ALL SUCH MEASURES ARE IN PLACE.
13. LAND DISTURBING ACTIVITIES WILL BE KEPT TO A MINIMUM & WILL NOT EXTEND BEYOND THE LIMITS SHOWN.
14. SEDIMENT & EROSION CONTROL MEASURES WILL BE INSPECTED ON A DAILY BASIS & WILL BE REPAIRED, ADJUSTED & MAINTAINED AS NEEDED OR REQUIRED BY GOVERNING AGENCIES AT NO ADDITIONAL EXPENSE TO THE OWNER TO PROVIDE EROSION & SEDIMENT CONTROL FOR THE DURATION OF CONSTRUCTION & UNTIL ALL DISTURBED AREAS ARE STABILIZED.
15. THE CONTRACTOR IS RESPONSIBLE FOR COMPLETING THE "PRIME CONTRACTOR CERTIFICATION" & THE MONTHLY INSPECTION REPORT & CERTIFICATION FORM FOR EROSION & SEDIMENT CONTROLS" LOCATED IN THE SITEWORK SPECIFICATIONS & SUBMITTING THE FORMS TO THE OFFICE OF POLLUTION CONTROL.
16. THE CONTRACTOR SHALL ALSO CONSTRUCT THE SILT FENCING AS SHOWN AT THE PERIMETER OF THE SITE PLAN PRIOR TO LAND CLEARING ACTIVITIES.
17. 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 GRASSED AREAS ARE COMPLETE.

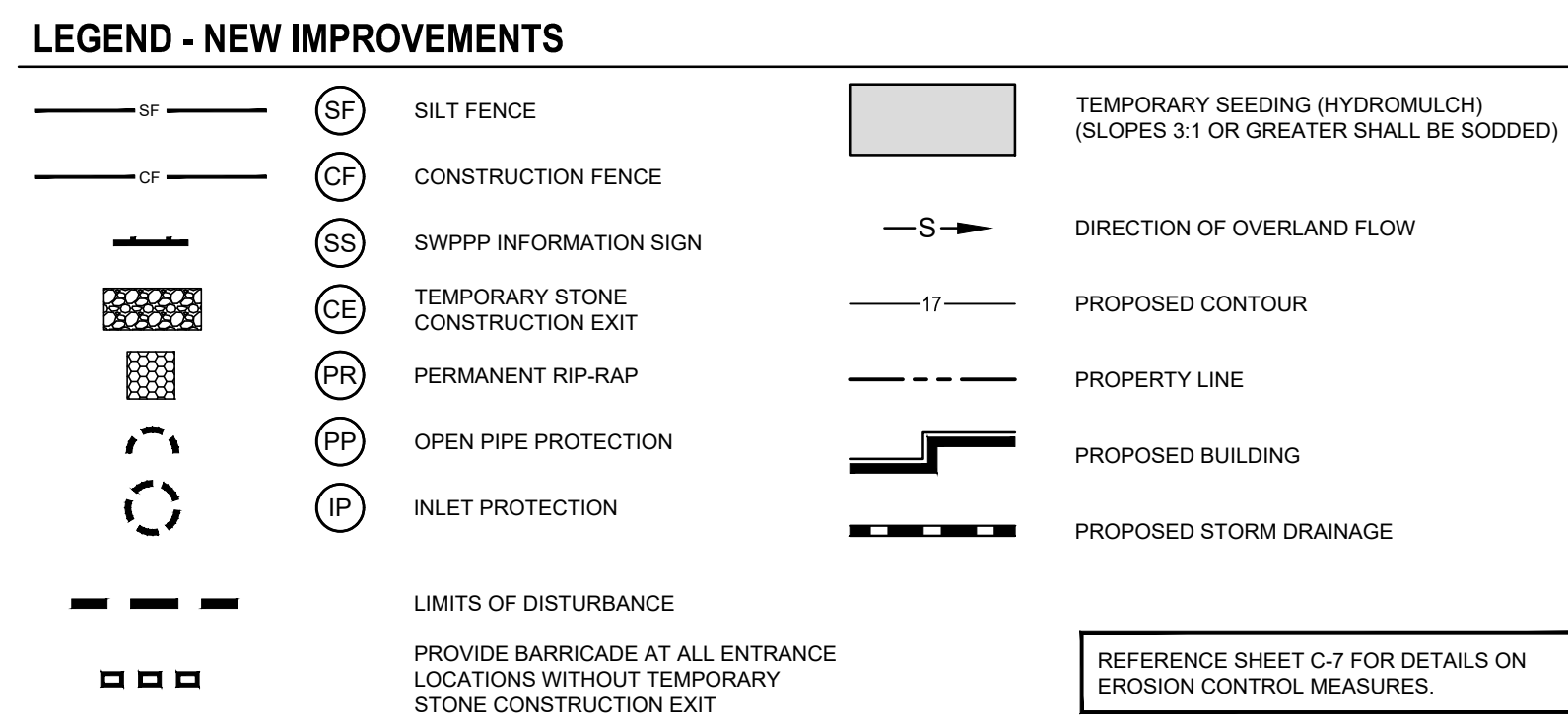
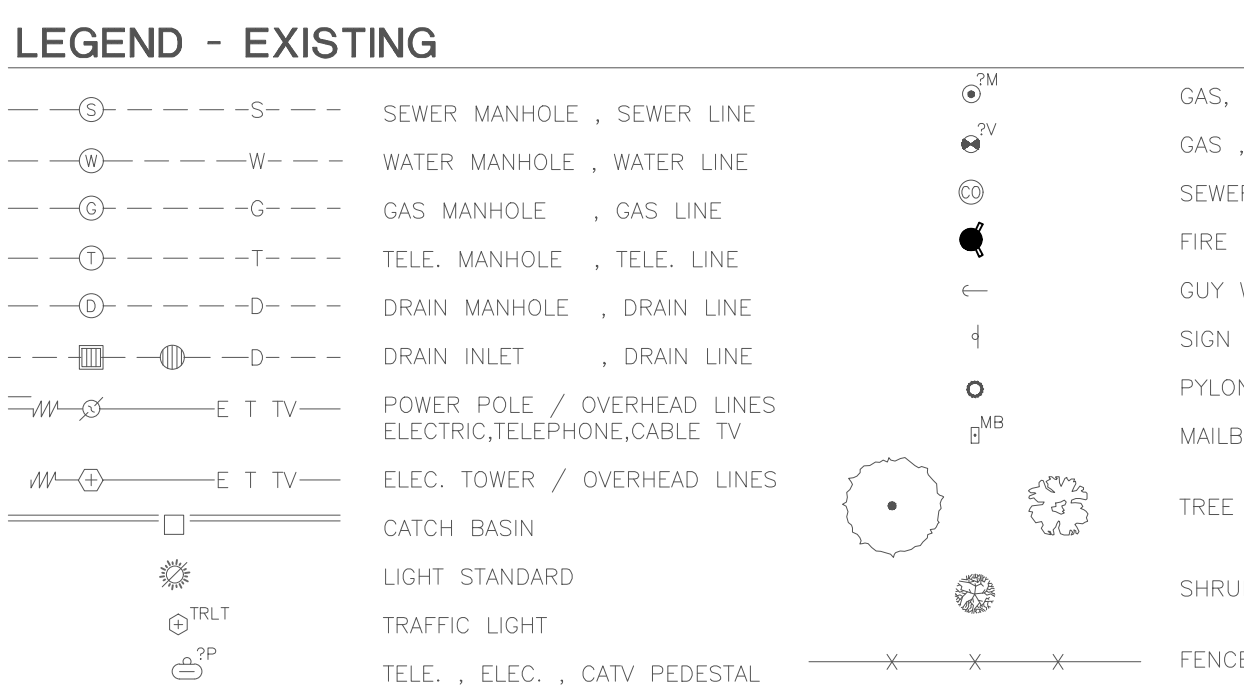
**BMP MAINTENANCE EROSION NOTES:**

ALL MEASURES STATED ON THIS SITE MAP & IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. ALL EROSION & SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON IN ACCORDANCE WITH THE CONTRACT DOCUMENTS OR THE APPLICABLE PERMIT, WHICHEVER IS MORE STRINGENT, & REPAIRED IN ACCORDANCE WITH THE FOLLOWING:

1. INLET PROTECTION DEVICES & BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING OR DETERIORATION.
2. ALL SEEDED AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED, WATERED, & RESEED AS NEEDED.
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.
5. THE TEMPORARY PARKING & STORAGE AREA SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING & STORAGE). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE TEMPORARY PARKING AREA AS CONDITIONS DEMAND.
6. OUTLET STRUCTURES IN THE SEDIMENTATION BASINS SHALL BE MAINTAINED IN OPERATIONAL CONDITION AT ALL TIMES. SEDIMENT SHALL BE REMOVED FROM SEDIMENT BASINS OR TRAPS WHEN THE DESIGN CAPACITY HAS BEEN REDUCED BY 50%.
7. PRIOR TO LEAVING THE SITE, ALL VEHICLES SHALL BE CLEANED OF DEBRIS. ANY DEBRIS & OR SEDIMENT REACHING THE PUBLIC STREET SHALL BE CLEANED IMMEDIATELY BY A METHOD OTHER THAN FLUSHING.

ACREAGE SUMMARY	
TOTAL PROJECT AREA	+/- 2.06 ACRES
DISTURBED AREA	+/- 2.06 ACRES
UNDISTURBED AREA	+/- 0.00 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	
STORM FACILITIES	
SITE CONSTRUCTION	
PERMANENT CONTROL STRUCTURES	
FOUNDATION / BUILDING CONSTRUCTION	
FINISH GRADING	
LANDSCAPING / SEED / FINAL STABILIZATION	



**FREMAUX GAS STATION**  
 SLIDELL, LA  
 ST TAMMANY PARISH  
 PELICAN STATE REAL ESTATE, LLC  
 469 INDIAN VILLAGE RD.



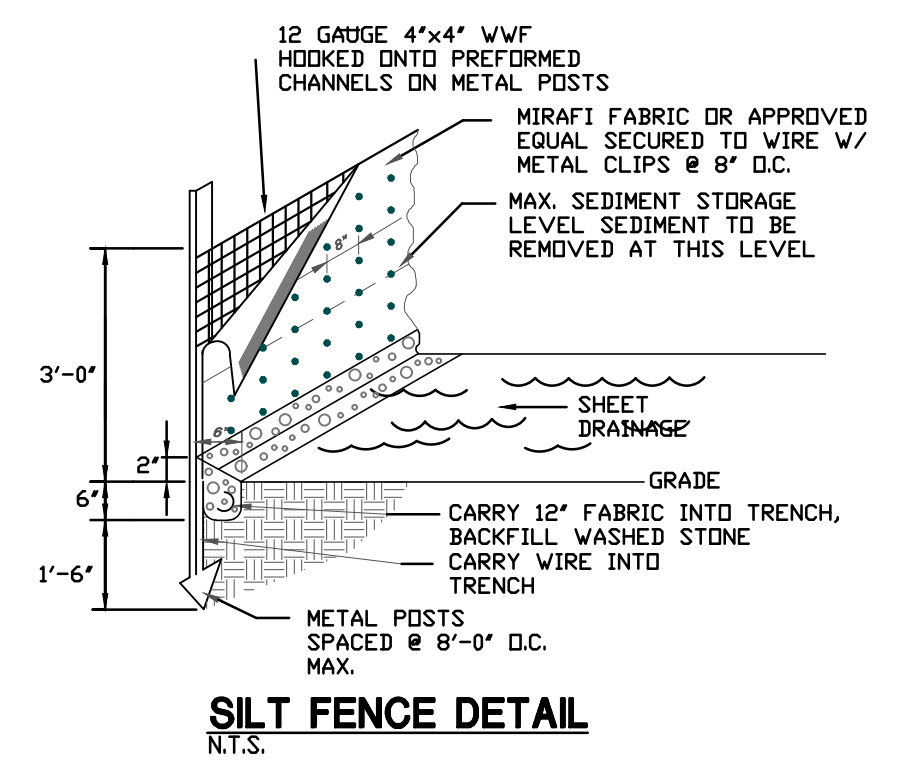
**PRELIMINARY NOT FOR CONSTRUCTION**

PROJECT NO. 22-1344  
 FOR PERMITTING 01/14/2025  
 CHECKED BY SMT  
 DRAWN BY DTS  
 SHEET NAME

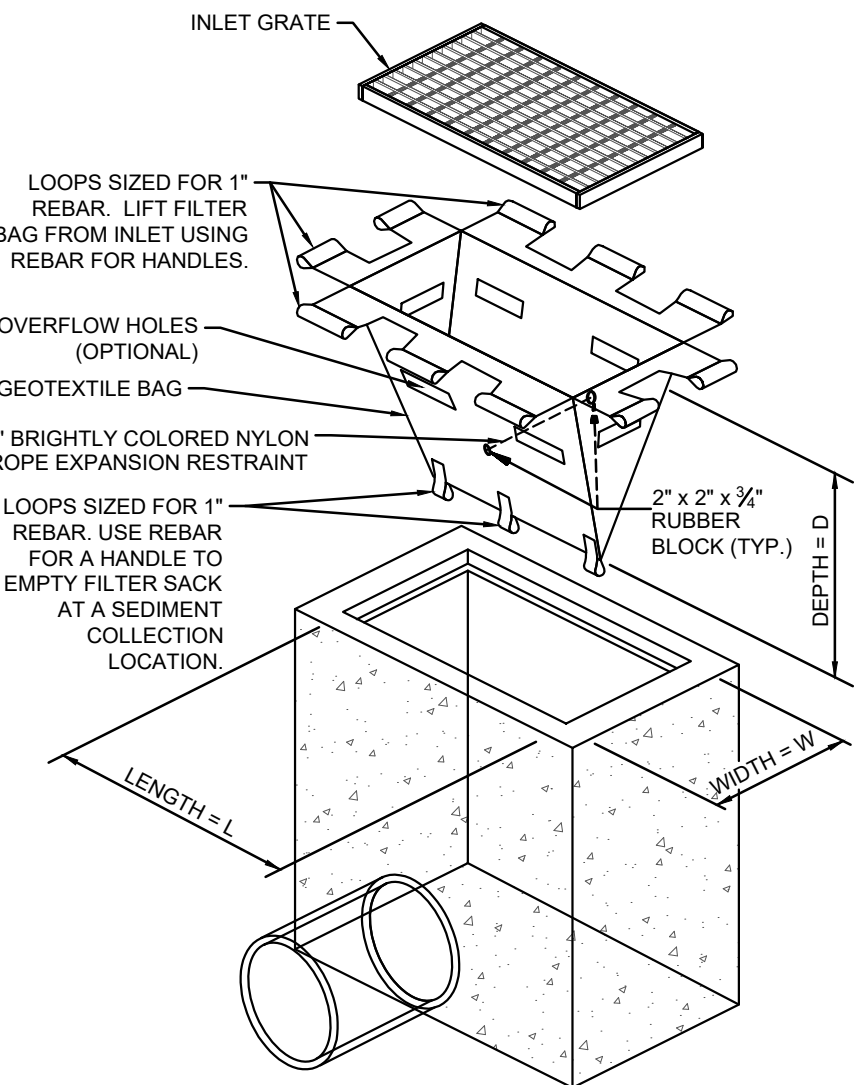
**C-6**



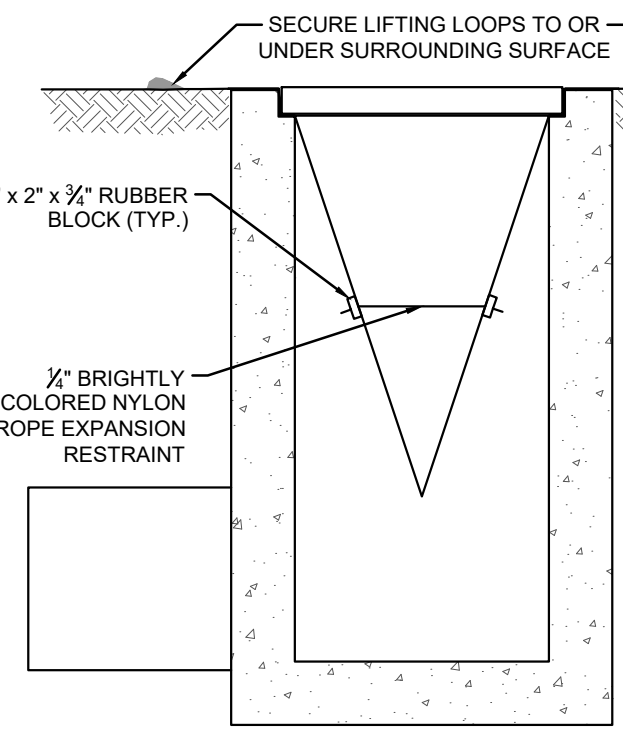
SF



**SILT FENCE DETAIL**  
N.T.S.



**INLET PROTECTION - PAVED AREAS**  
N.T.S.



**ELEVATION VIEW**  
PROFILE VIEW OF  
INSTALLED FILTER SACK

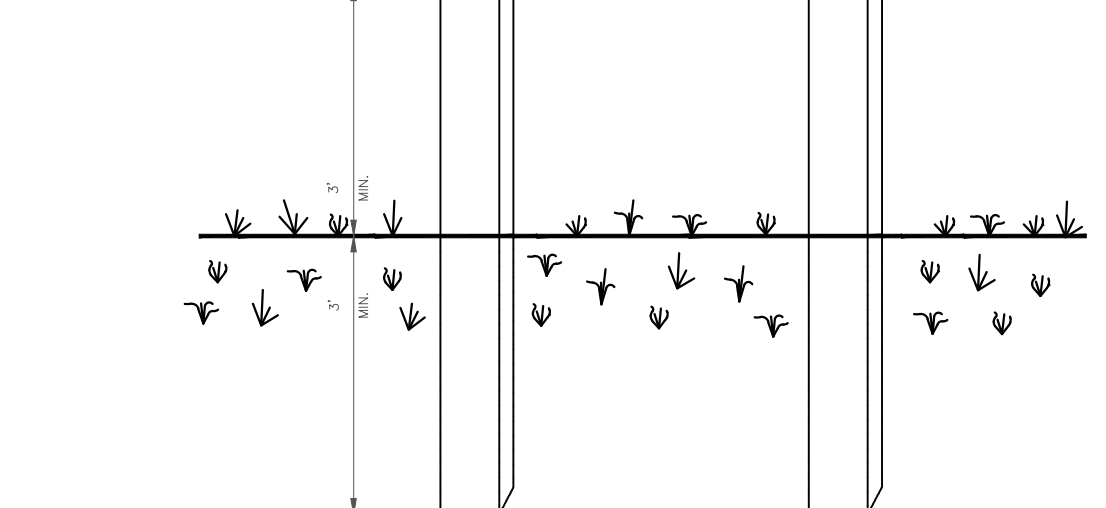
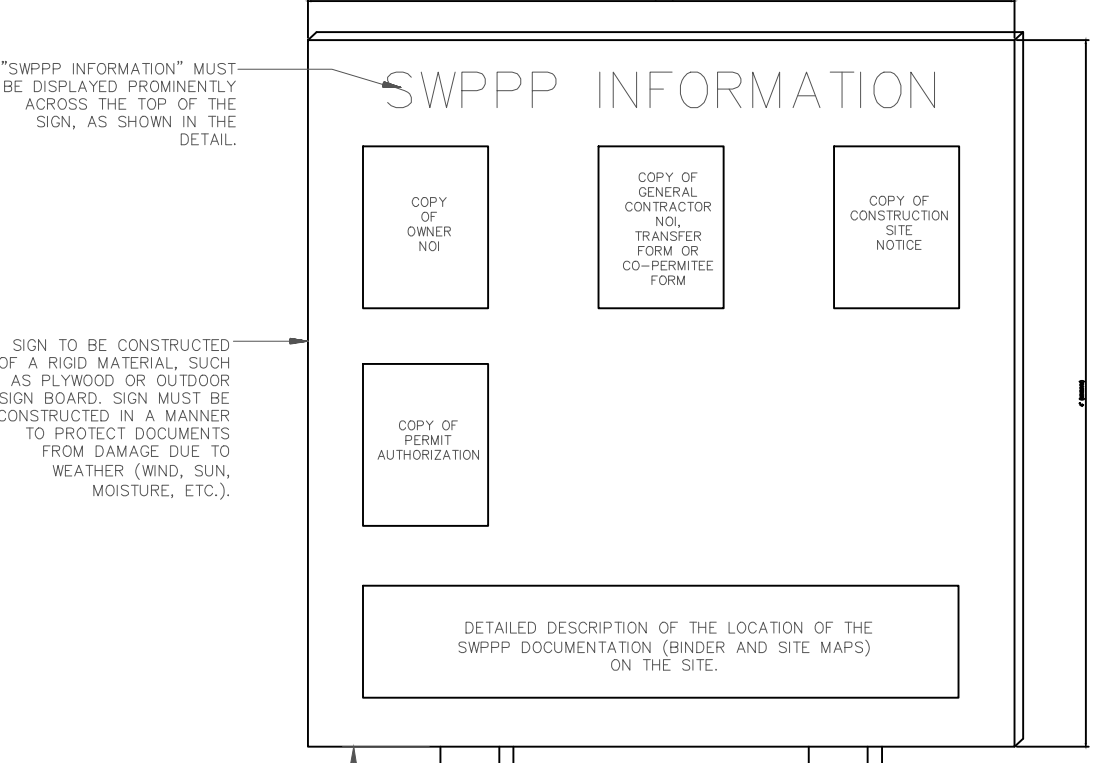
**LOW TO MODERATE FLOW GEOTEXTILE FABRIC SPECIFICATION TABLE**

PROPERTIES	TEST METHOD	UNITS
GRAB TENSILE STRENGTH	ASTM D-4832	300 LBS
GRAB TENSILE ELONGATION	ASTM D-4832	20%
PUNCTURE	ASTM D-4833	120 LBS
MULLEN BURST	ASTM D-3786	800 PSI
TRAPEZOID TEAR	ASTM D-4533	120 LBS
UV RESISTANCE	ASTM D-4355	80%
APPARENT OPENING SIZE	ASTM D-4751	40 US SIEVE
FLOW RATE	ASTM D-4491	40 GAL. / MIN. / SQ. FT.
PERMITTIVITY	ASTM D-4491	0.55 SEC-1

**MODERATE TO HIGH FLOW GEOTEXTILE FABRIC SPECIFICATION TABLE**

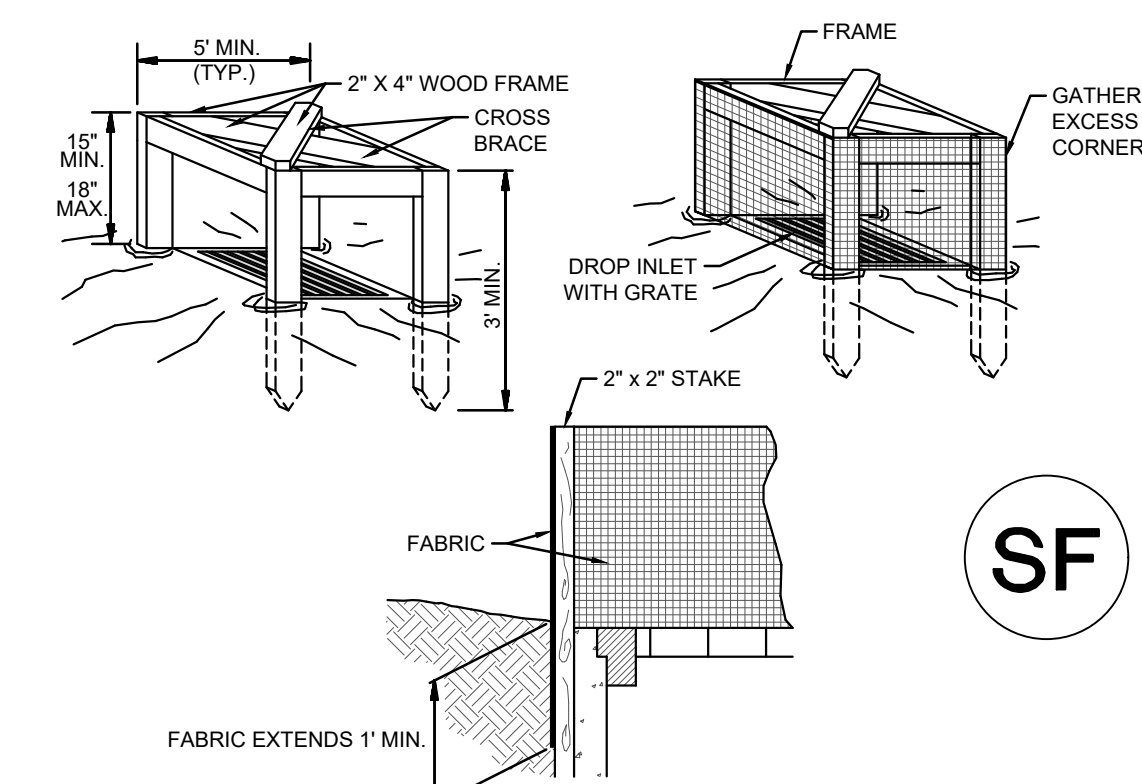
PROPERTIES	TEST METHOD	UNITS
GRAB TENSILE STRENGTH	ASTM D-4832	265 LBS
GRAB TENSILE ELONGATION	ASTM D-4832	20%
PUNCTURE	ASTM D-4833	135 LBS
MULLEN BURST	ASTM D-3786	420 PSI
TRAPEZOID TEAR	ASTM D-4533	45 LBS
UV RESISTANCE	ASTM D-4355	90%
APPARENT OPENING SIZE	ASTM D-4751	20 US SIEVE
FLOW RATE	ASTM D-4491	200 GAL. / MIN. / SQ. FT.
PERMITTIVITY	ASTM D-4491	1.5 SEC-1

- NOTES:**
- EMPTY FILTER SACK WHEN BRIGHTLY COLORED EXPANSION RESTRAINT CAN NO LONGER BE SEEN.
  - GEOTEXTILE WILL BE A WOVEN POLYPROPYLENE FABRIC THAT MEETS OR EXCEEDS REQUIREMENTS IN THE SPECIFICATIONS TABLE.
  - AN OIL ABSORBENT PAD OR PILLOW 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 & 36 INCHES.
  - THE LENGTH, "L", OF THE FILTER SACK WILL MATCH THE INSIDE LENGTH OF THE GRATED INLET BOX.
  - DO NOT USE ON ROADWAYS WHERE PONDING MAY CAUSE TRAFFIC HAZARDS.

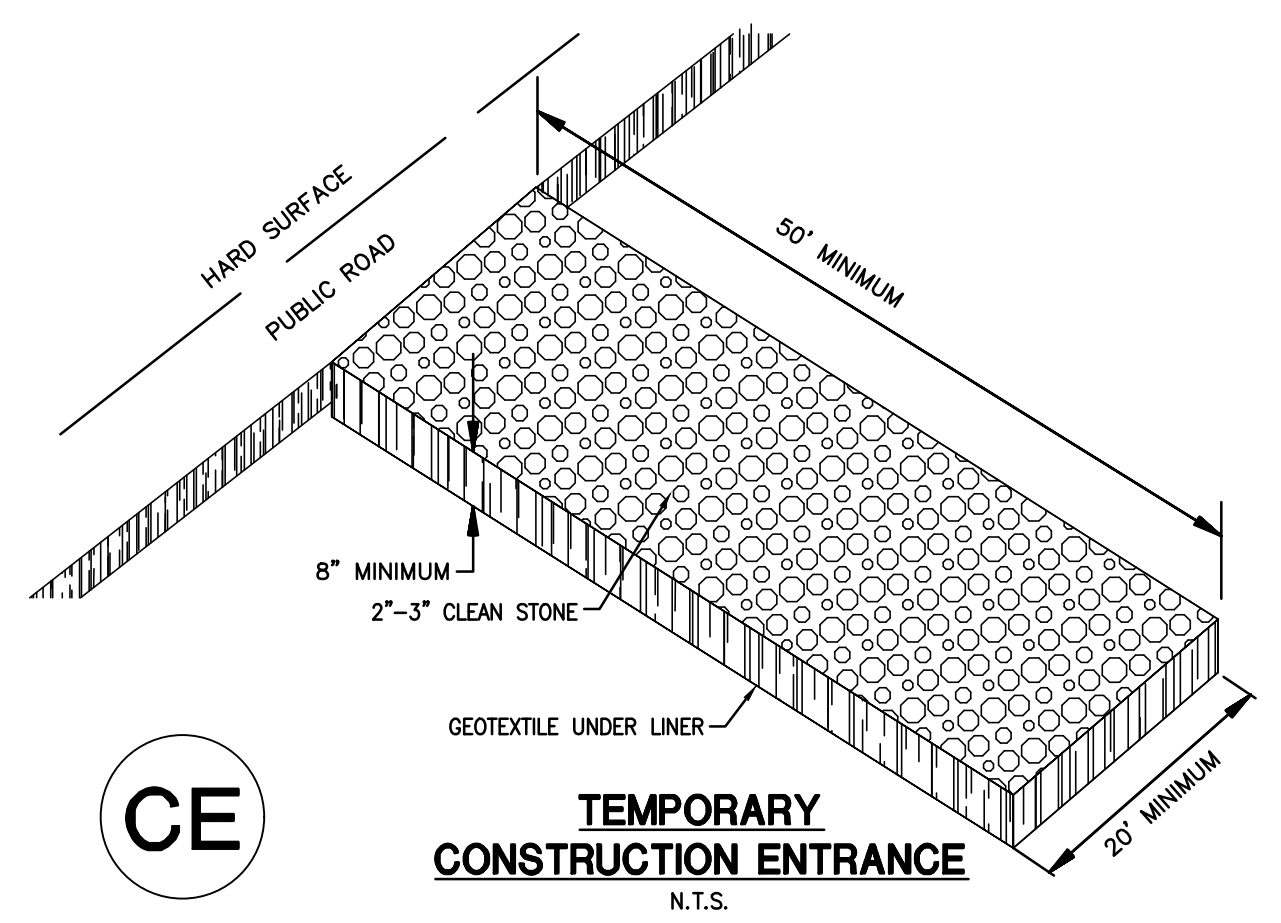


- NOTES:**
- THE SWPPP INFORMATION SIGN MUST BE LOCATED NEAR THE CONSTRUCTION EXIT OF THE SITE, SUCH THAT IT IS ACCESSIBLE AND VIEWABLE BY THE GENERAL PUBLIC, BUT NOT OBSTRUCTING VIEWS AS TO CAUSE A SAFETY HAZARD.
  - ALL PROJECT DOCUMENTS MUST BE MAINTAINED IN A CLEARLY REACHABLE CONDITION AT ALL TIMES THROUGHOUT CONSTRUCTION AND UNTIL THE NOTICE-OF-TERMINATION (NOT) IS FILED FOR THE PERMIT.
  - CONTRACTOR SHALL POST OTHER STORM WATER AND/OR EROSION AND SEDIMENT CONTROL RELATED PERMITS ON THE SIGN AS REQUIRED BY THE GOVERNING AGENCY.
  - SIGN SHALL BE LOCATED OUTSIDE OF PUBLIC RIGHT-OF-WAY AND EASEMENTS UNLESS APPROVED BY THE GOVERNING AGENCY.
  - CONTRACTOR IS RESPONSIBLE FOR ENSURING STABILITY OF THE SWPPP INFORMATION SIGN.

**SWPPP INFORMATION SIGN**  
N.T.S.

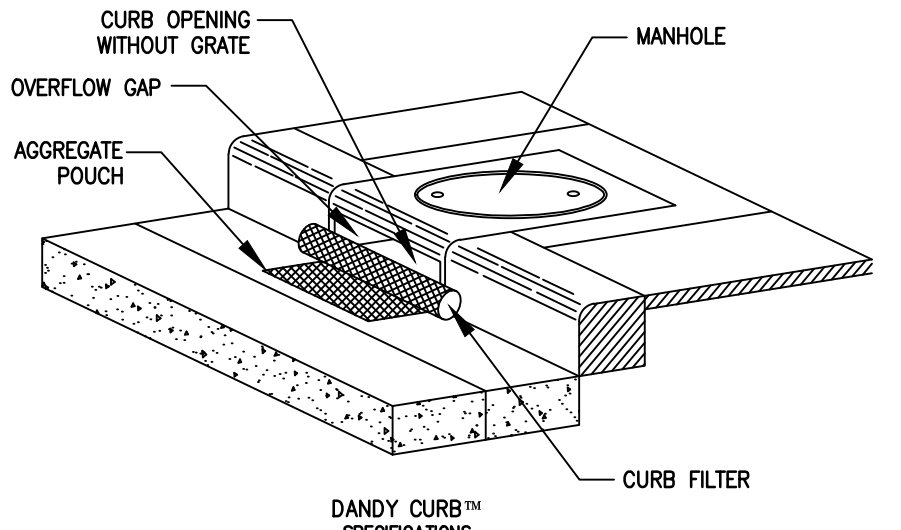


**SILT FENCE INLET PROTECTION (UNPAVED AREAS)**  
N.T.S.



**TEMPORARY CONSTRUCTION ENTRANCE**  
N.T.S.

IP



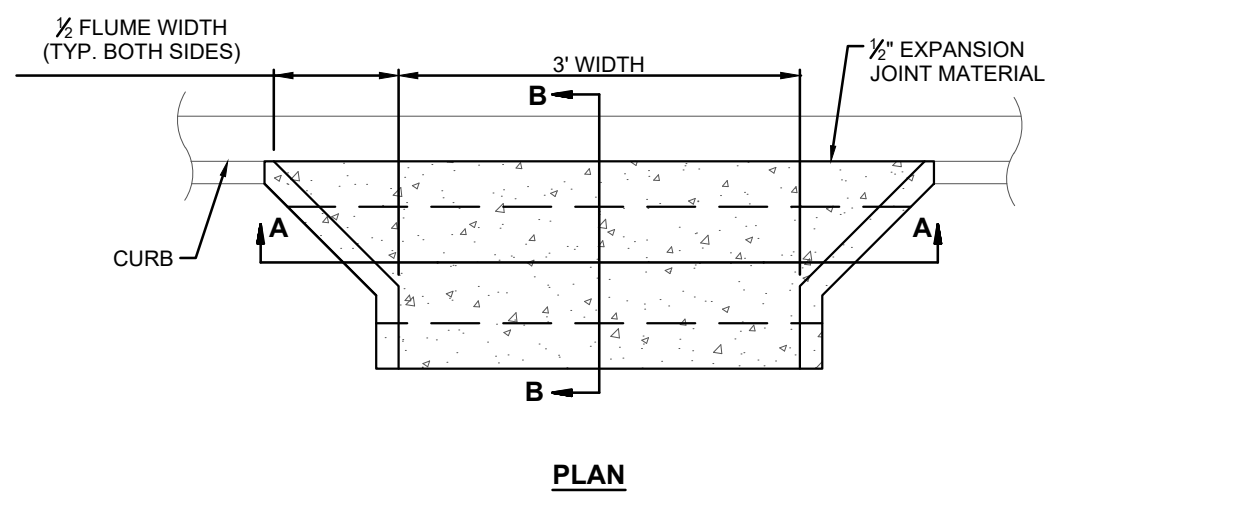
**NOTE: THE DANDY CURB™ WILL BE MANUFACTURED IN THE U.S.A. FROM A WOVEN MONOPOLYMER FABRIC THAT MEETS OR EXCEEDS THE FOLLOWING SPECIFICATIONS:**

**DANDY CURB™ (SAFETY ORANGE)**

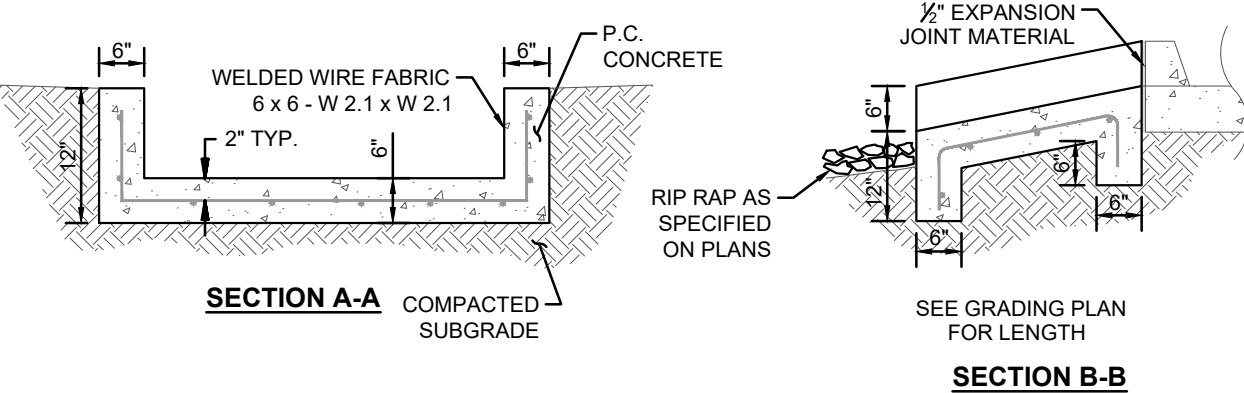
Mechanical Properties	Test Method	Units	MARV
Grab Tensile Strength	ASTM D 4632	kN (lba)	1.62 (365) X 0.89 (200)
Grab Tensile Elongation	ASTM D 4632	%	24 X 10
Puncture Strength	ASTM D 4833	kN (lba)	0.40 (90)
Mullen Burst Strength	ASTM D 3786	kPa (psi)	3097 (450)
Trapezoid Tear Strength	ASTM D 4533	kN (lba)	0.51 (115) X 0.33 (75)
UV Resistance	ASTM D 4355	%	90
Apparent Opening Size	ASTM D 4751	Mm (US Std Sieve)	0.425 (40)
Flow Rate	ASTM D 4491	l/min/m² (gal./min./ft²)	5907 (145)
Permittivity	ASTM D 4491	Sec⁻¹	2.1

\*Note: All Dandy Curbs™ can be ordered with our optional oil absorbents

**CURB INLET PROTECTION**  
N.T.S.



**PLAN**

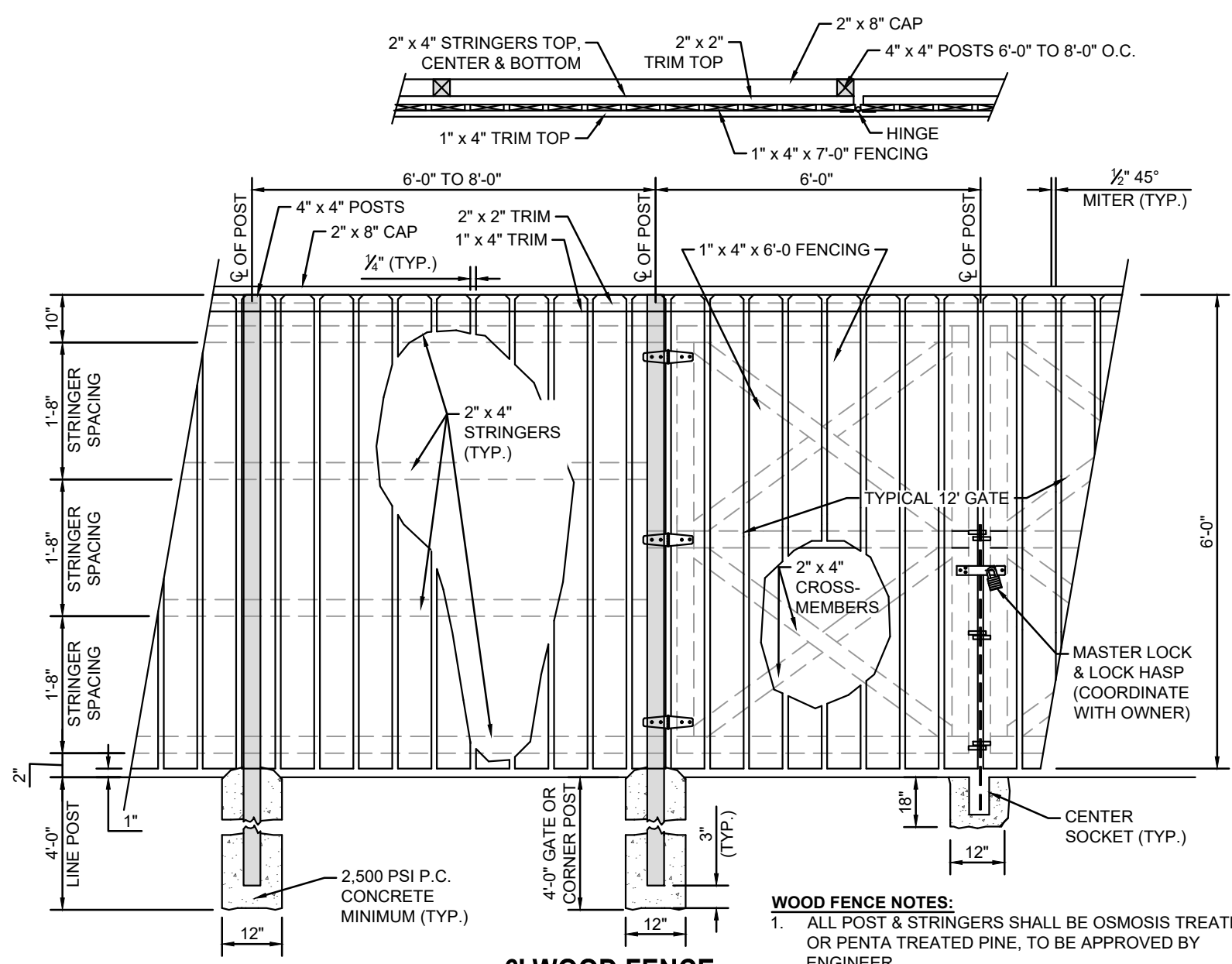


**SECTION A-A**

**SECTION B-B**

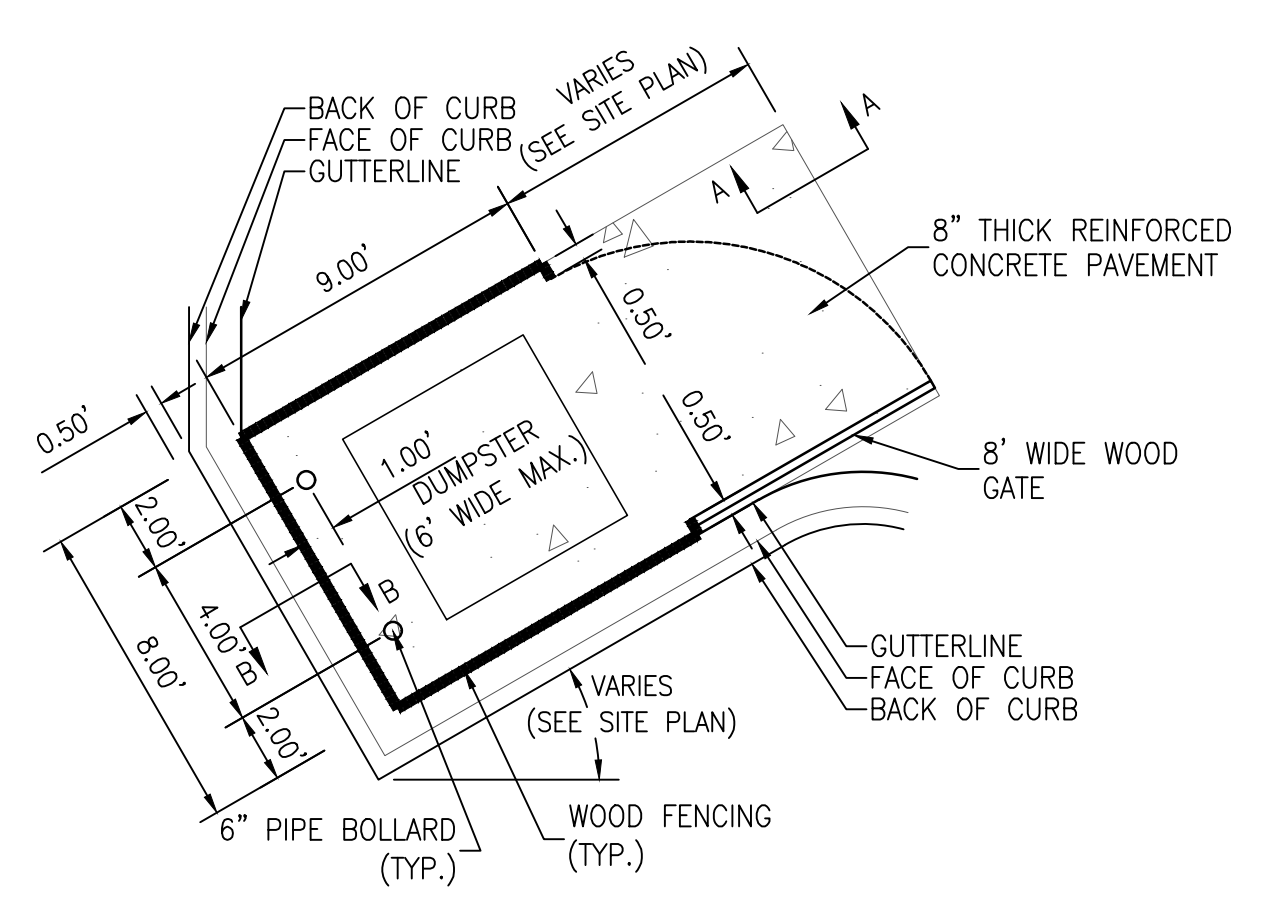
**CONCRETE FLUME**  
N.T.S.

- DESIGNER NOTES:**
- CONFIRM FLUME WIDTH BASED ON CONTRIBUTING DRAINAGE AREA

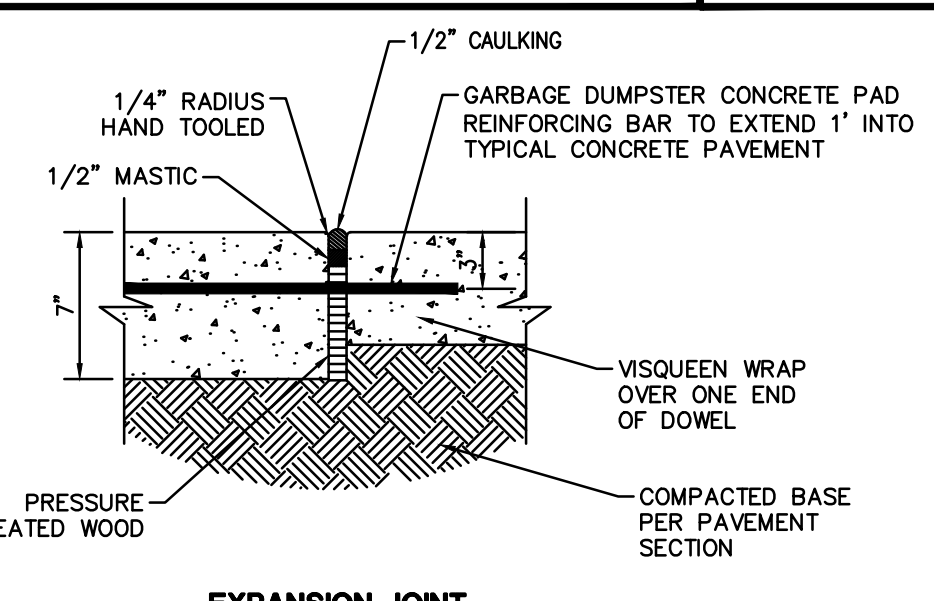


**6' WOOD FENCE**  
N.T.S.

- WOOD FENCE NOTES:**
- ALL POST & STRINGERS SHALL BE OSMOSIS TREATED OR PENTA TREATED PINE, TO BE APPROVED BY ENGINEER.
  - ALL FENCE SIDING SHALL BE TREATED PINE.
  - ALL METAL FASTENERS SUCH AS BOLTS, NAILS, HINGES, HASPS, ETC. SHALL BE HOT DIPPED GALVANIZED.
  - FENCE DIRECTION AS NOTED ON PLANS OR AS DIRECTED BY OWNER.
  - SPLICE STRINGERS AT POSTS ONLY.



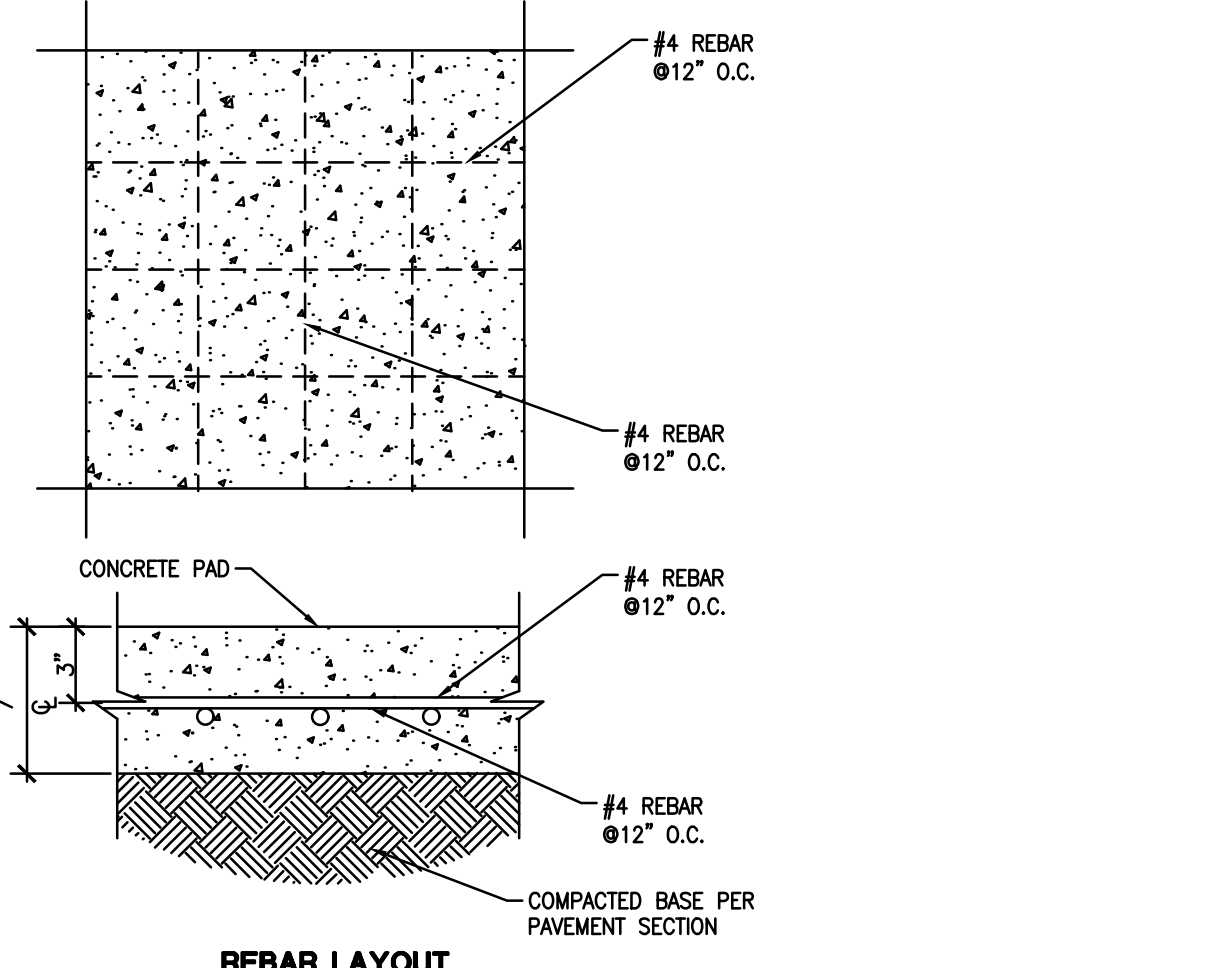
**GATED WOOD FENCE ONE-BAY DUMPSTER ENCLOSURE (ANGLED)**  
N.T.S.



**EXPANSION JOINT**

- NOTES:**
- REFER TO C-1 SITE PLAN FOR LOCATION OF GARBAGE DUMPSTER CONCRETE PAD.
  - CONCRETE IN FRONT OF DUMPSTER ENCLOSURE IS TO BE 7" THICK. SEE SITE PLAN FOR LOCATIONS.
  - TOOLED CONTRACTION JOINTS SHOULD BE PROVIDED AT INTERVALS THAT WILL PROVIDE A SLAB SIZE THAT DOES NOT EXCEED 15' BY 15'.
  - A MINIMUM OF 2" OF COVER SHALL BE PROVIDED FOR ALL REBAR AT LOCATIONS WHERE SLAB DOES NOT CONNECT TO CONCRETE PAVEMENT.

**HEAVY DUTY CONCRETE DUMPSTER PAD DETAIL**  
N.T.S.



**REBAR LAYOUT**

**FREMAUX GAS STATION**  
SLIDELL, LA  
ST TAMMANY PARISH  
PELLICAN STATE REAL ESTATE, LLC  
469 INDIAN VILLAGE RD.

**DDG**  
1 GALLERIA BLVD. | SUITE 1506  
METAIRIE, LA  
504.434.6565

**PRELIMINARY NOT FOR CONSTRUCTION**

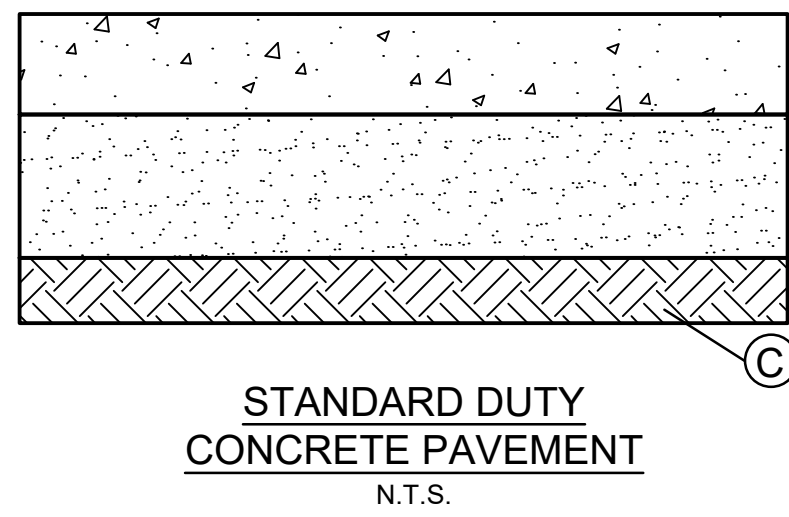
PROJECT NO. 22-1344  
FOR PERMITTING  
01/14/2025

CHECKED BY SMT  
DRAWN BY DTS  
SHEET NAME

**DETAIL SHEET**

**C-7**

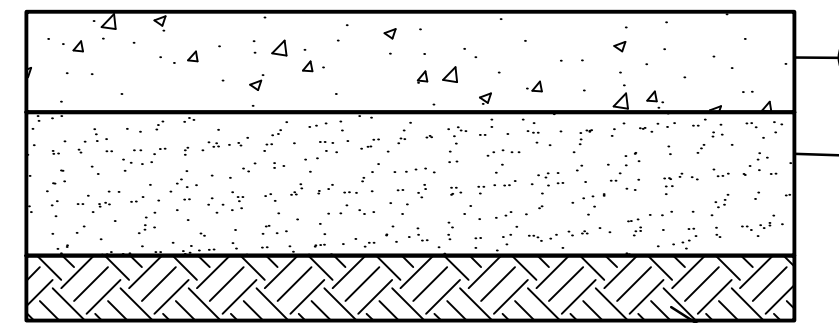




**NOTES:**

- PROPER FINISHING OF CONCRETE PAVEMENT REQUIRES THE USE OF APPROPRIATE CONSTRUCTION JOINTS TO REDUCE THE POTENTIAL FOR CRACKING. CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH CURRENT PORTLAND CEMENT ASSOCIATION GUIDELINES. SEE CONCRETE JOINT DETAILS ON THIS SHEET FOR MORE INFO.
- THE GRANULAR STRUCTURAL FILL (SAND) UNDER THE RIGID PAVEMENT SHALL MEET THE EMBANKMENT REQUIREMENTS OF LSSRB, SECTION 1003.07. THE BASE SHALL BE COMPACTED TO AT LEAST 95 PERCENT OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D698 STANDARD PROCTOR AND WITHIN 3 PERCENT OF THE OPTIMUM MOISTURE CONTENT.
- SHOULD SOFT SOIL CONDITIONS BE ENCOUNTERED NEAR THE SURFACE, A WOVEN GEOTEXTILE CONSISTING OF MIRAFI 80X OR EQUIVALENT SHALL BE PLACED OVER THE SOFT SUBGRADE IN THE PARKING AREAS TO IMPROVE THE SUBGRADE CONDITION. THE GEOTEXTILE, WHICH IS SOLD IN ROLLS OF VARIOUS SIZES, SHALL BE INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS AND BE OVERLAPPED AT MINIMUM OF 2 FEET. REFERENCE THE GEOTECHNICAL REPORT BY STRATUM ENGINEERING, LLC NO. G21-073 DATED 10/12/2021 FOR ADDITIONAL INFORMATION.

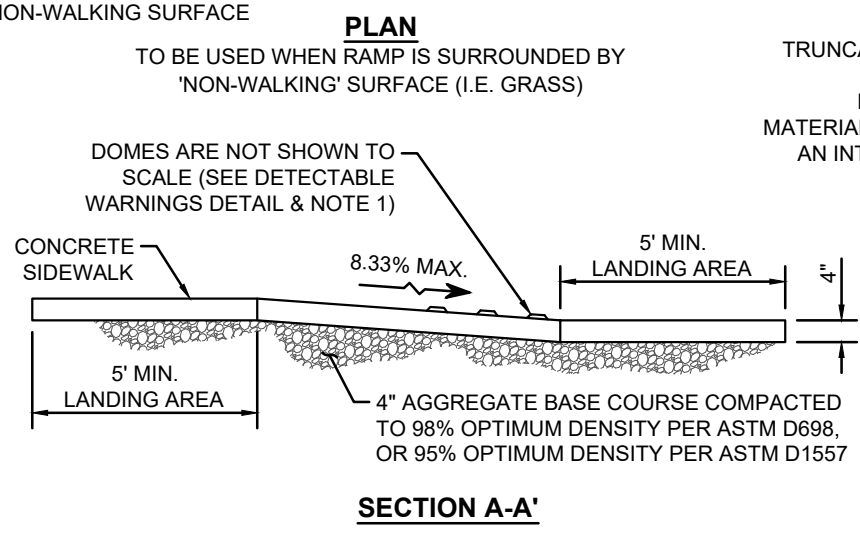
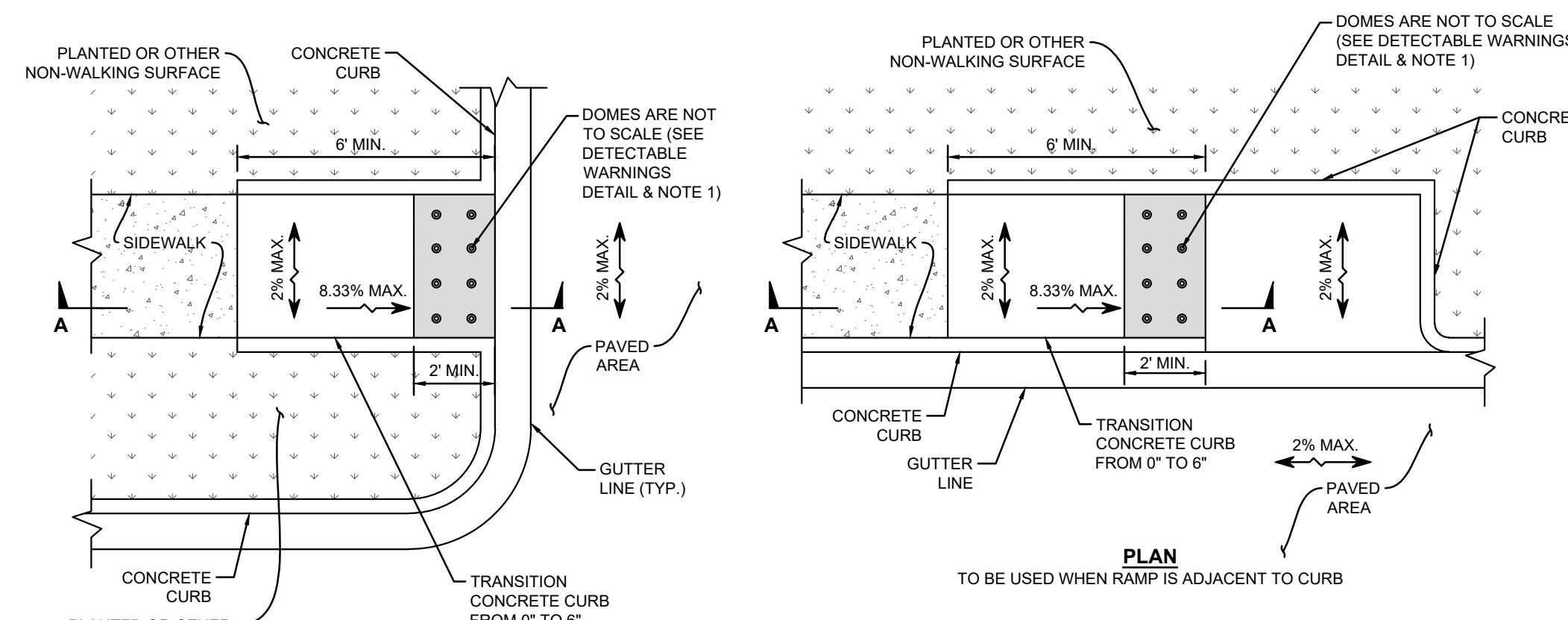
**STANDARD DUTY CONCRETE PAVEMENT**  
N.T.S.



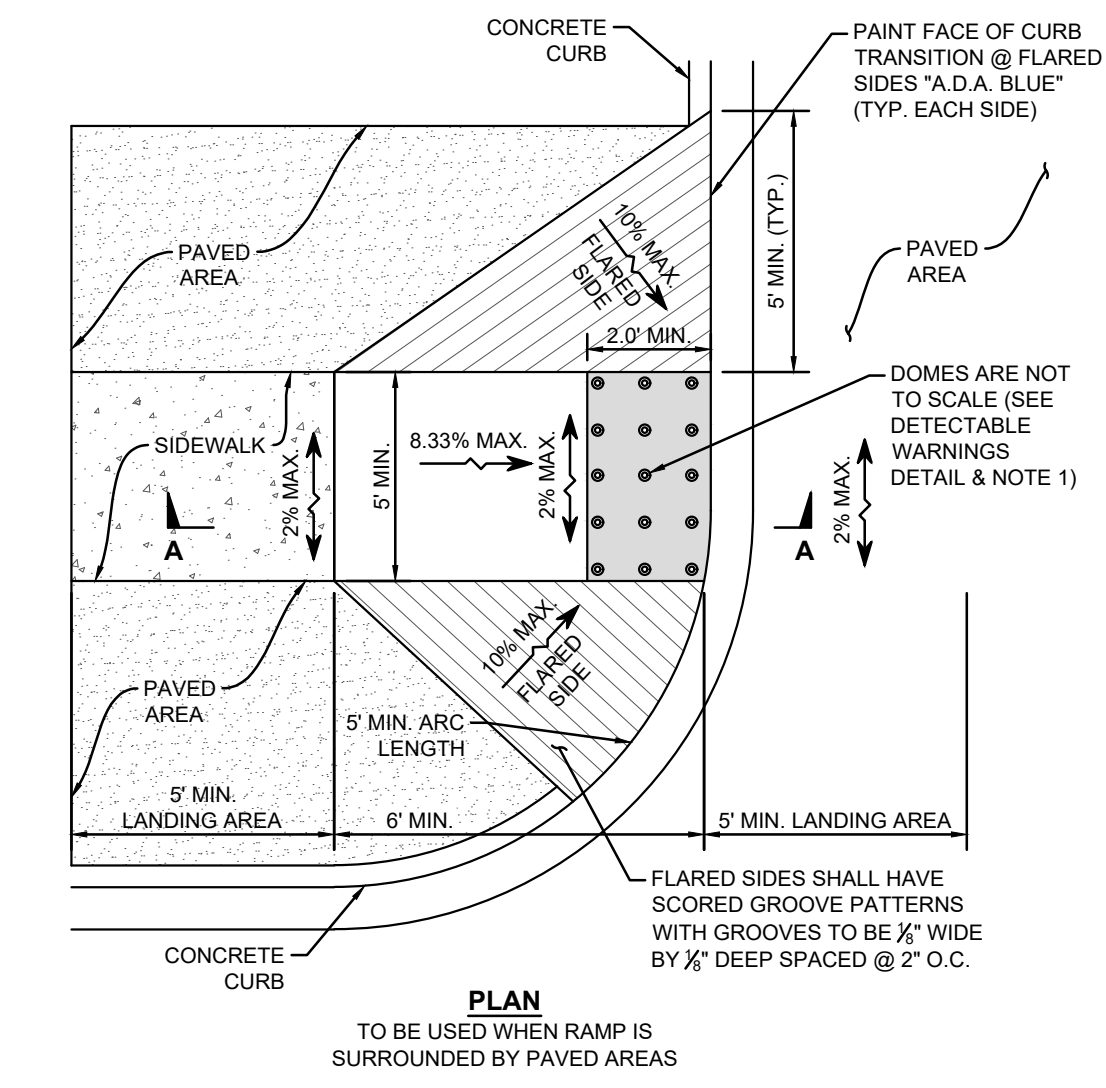
**NOTES:**

- PROPER FINISHING OF CONCRETE PAVEMENT REQUIRES THE USE OF APPROPRIATE CONSTRUCTION JOINTS TO REDUCE THE POTENTIAL FOR CRACKING. CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH CURRENT PORTLAND CEMENT ASSOCIATION GUIDELINES. SEE CONCRETE JOINT DETAILS ON THIS SHEET FOR MORE INFO.
- THE GRANULAR STRUCTURAL FILL (SAND) UNDER THE RIGID PAVEMENT SHALL MEET THE EMBANKMENT REQUIREMENTS OF LSSRB, SECTION 1003.07. THE BASE SHALL BE COMPACTED TO AT LEAST 95 PERCENT OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D698 STANDARD PROCTOR AND WITHIN 3 PERCENT OF THE OPTIMUM MOISTURE CONTENT.
- SHOULD SOFT SOIL CONDITIONS BE ENCOUNTERED NEAR THE SURFACE, A WOVEN GEOTEXTILE CONSISTING OF MIRAFI 80X OR EQUIVALENT SHALL BE PLACED OVER THE SOFT SUBGRADE IN THE PARKING AREAS TO IMPROVE THE SUBGRADE CONDITION. THE GEOTEXTILE, WHICH IS SOLD IN ROLLS OF VARIOUS SIZES, SHALL BE INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS AND BE OVERLAPPED AT MINIMUM OF 2 FEET. REFERENCE THE GEOTECHNICAL REPORT BY STRATUM ENGINEERING, LLC NO. G21-073 DATED 10/12/2021 FOR ADDITIONAL INFORMATION.

**HEAVY DUTY CONCRETE PAVEMENT**  
N.T.S.



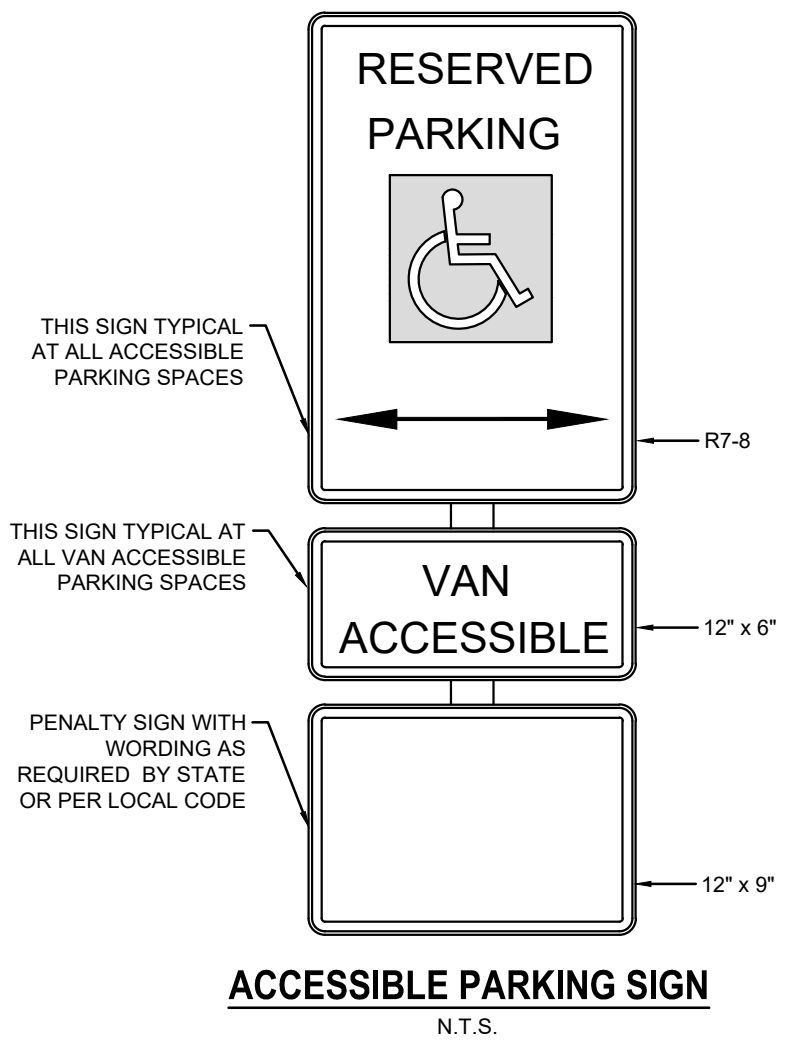
**ADA RAMP IN SIDEWALK DETAIL**  
N.T.S.



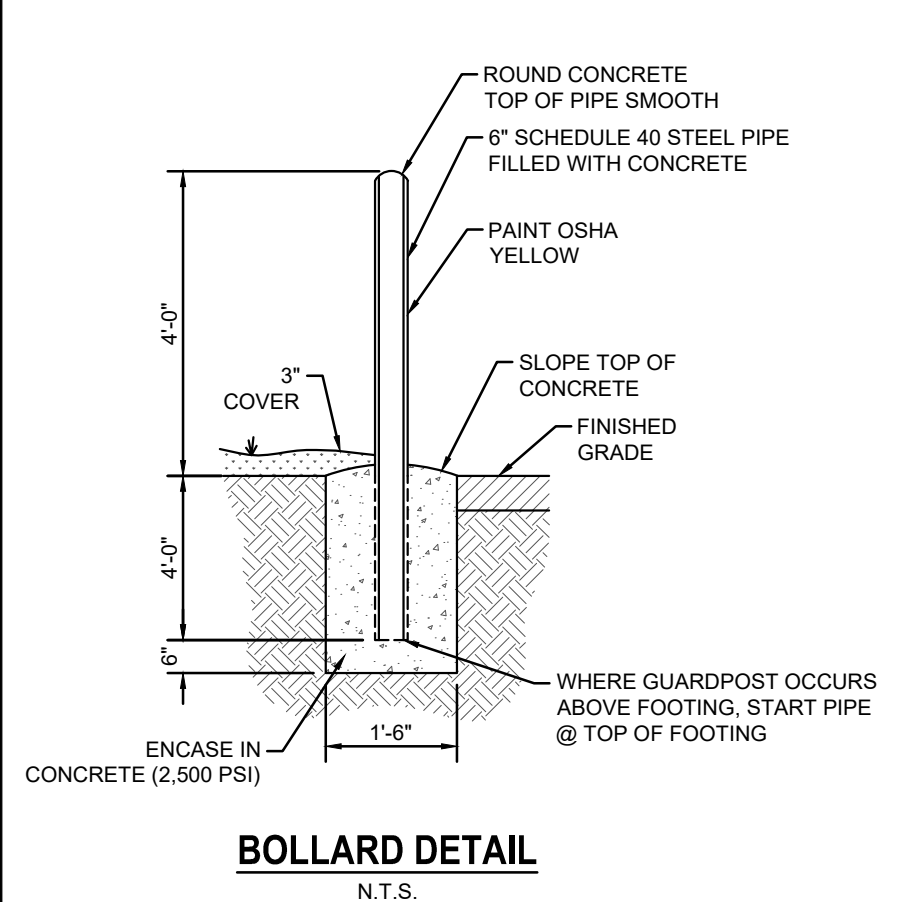
**PLAN**  
TO BE USED WHEN RAMP IS SURROUNDED BY PAVED AREAS

**NOTES:**

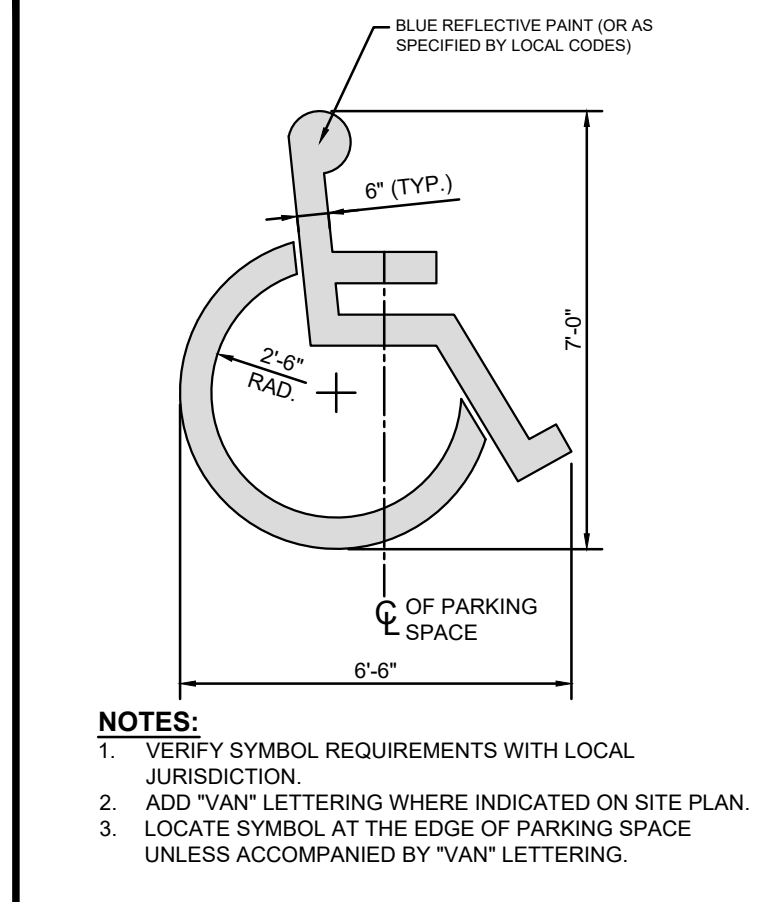
- THE SURFACE OF RAMP SHALL HAVE DETECTABLE WARNINGS AS SHOWN. DETECTABLE WARNINGS WITHIN PUBLIC R.O.W. SHALL CONSIST OF RAISED TRUNCATED DOMES. SEE DETECTABLE WARNING DETAIL.
- RAMP SIDE SLOPE (WHERE APPLICABLE) VARIES UNIFORMLY FROM A MAXIMUM OF UP TO 10% AT CURB TO CONFORM WITH LONGITUDINAL SIDEWALK SLOPE ADJACENT TO TOP OF THE RAMP.
- CONSTRUCT PER A.D.A. STANDARDS.
- REFER TO PLANS FOR ADJACENT SLOPES.
- THE CROSS SLOPE OF THE RAMP SURFACE SHALL BE NO GREATER THAN 1:50.
- AT A MINIMUM, THE BOTTOM 2" OF THE CURB RAMP SHALL CONTRAST VISUALLY WITH THE ADJOINING SURFACES & CONTAIN DETECTABLE WARNING SURFACES.
- CONTRACTOR SHALL VERIFY REQUIREMENTS OF LOCAL CODES PRIOR TO CONSTRUCTING RAMPS.



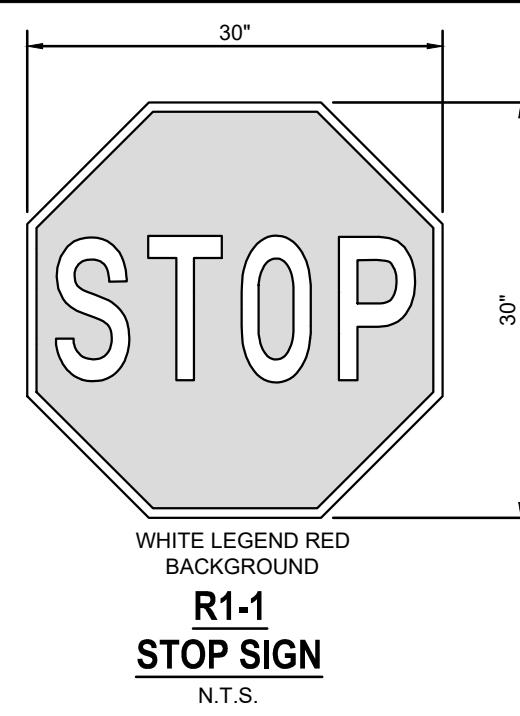
**ACCESSIBLE PARKING SIGN**  
N.T.S.



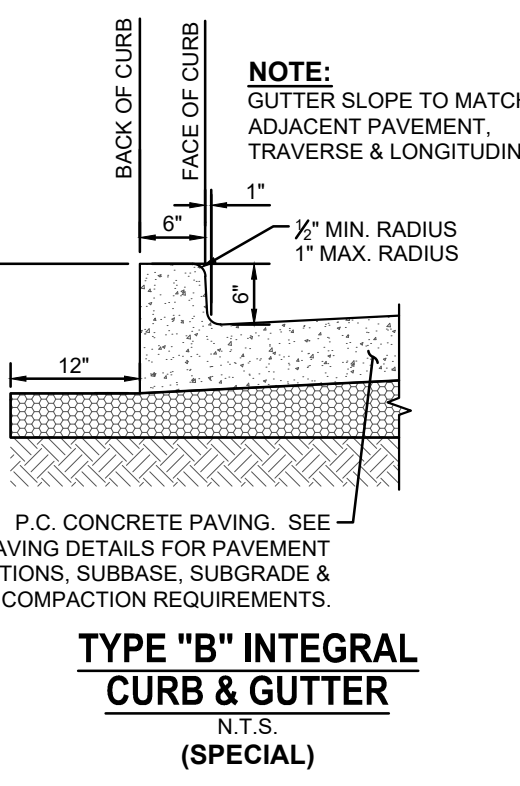
**BOLLARD DETAIL**  
N.T.S.



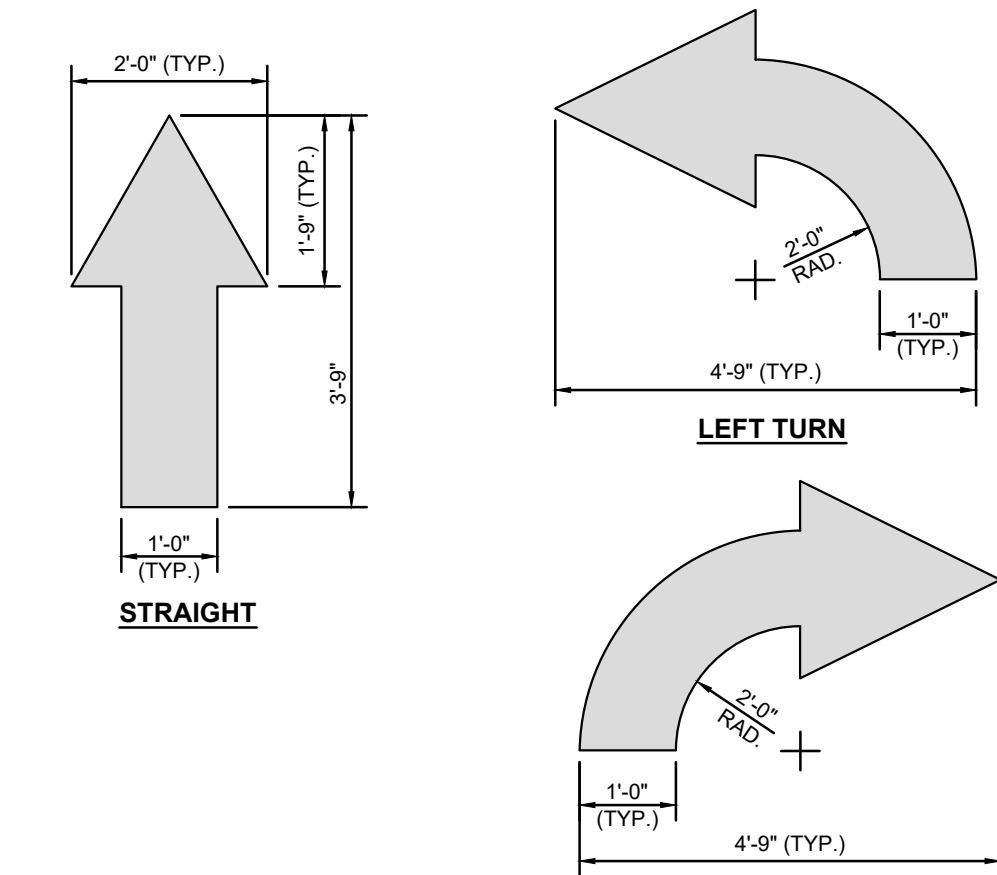
**ACCESSIBLE PARKING SYMBOL DETAIL**  
N.T.S.



**R1-1 STOP SIGN**  
N.T.S.



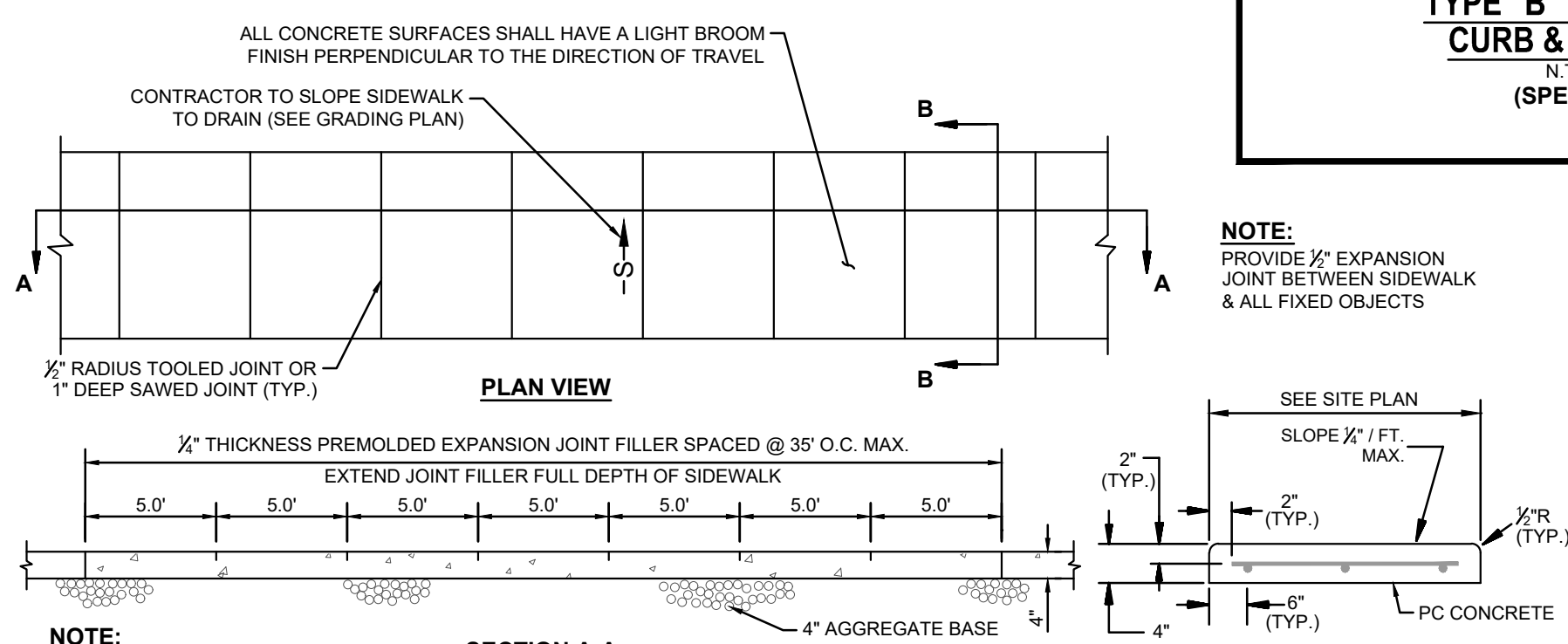
**TYPE "B" INTEGRAL CURB & GUTTER**  
N.T.S.



**NOTES:**

- ALL TRAFFIC FLOW ARROWS TO BE SOLID YELLOW REFLECTIVE TRAFFIC PAINT.
- NEW PAVEMENT SURFACES SHALL BE ALLOWED TO CURE AT LEAST 30 DAYS BEFORE APPLICATION OF MARKING MATERIALS.
- INSTALL PAVEMENT MARKINGS ACCORDING TO MANUFACTURER'S RECOMMENDATIONS & PROJECT SPECIFICATIONS.

**INTERNAL TRAFFIC FLOW ARROW DETAIL**  
N.T.S.



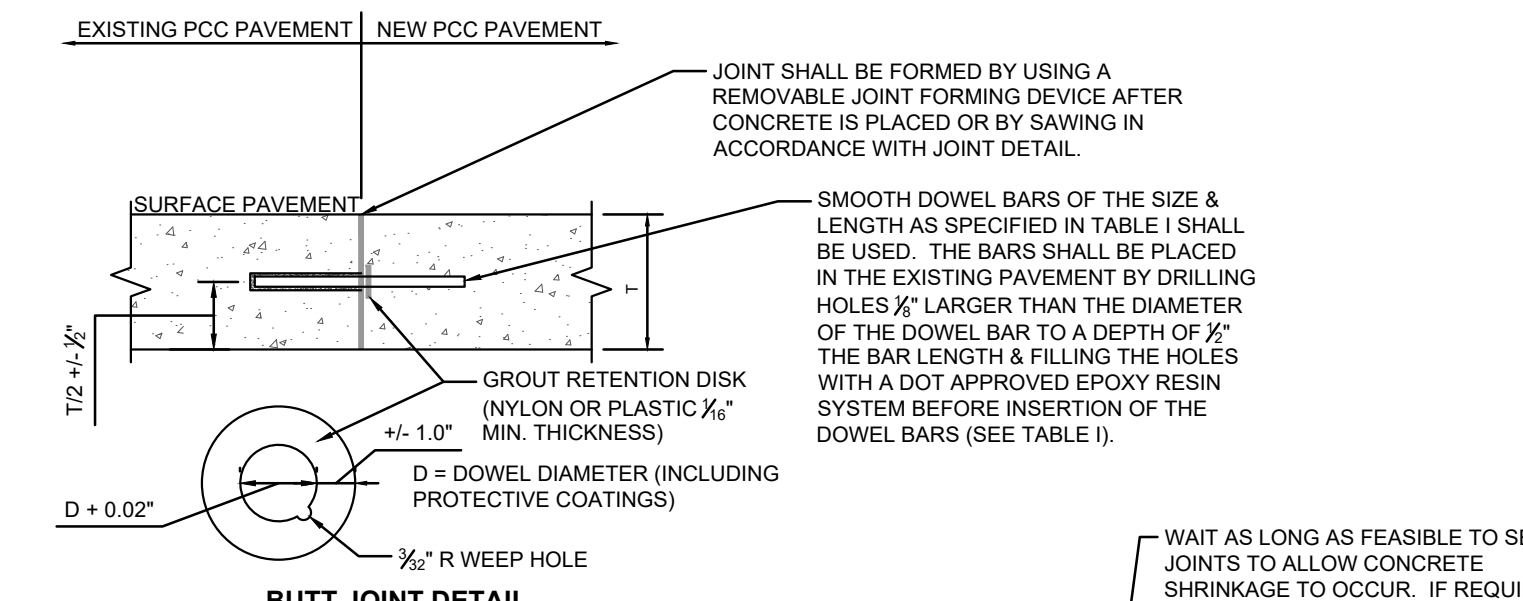
**NOTE:** REINFORCEMENT WILL BE No. 3 BARS 24" O.C. EACH WAY MAX. SPACING, OR 6 x 6 - W1.4 X W1.4 WWF

**SECTION A-A'**

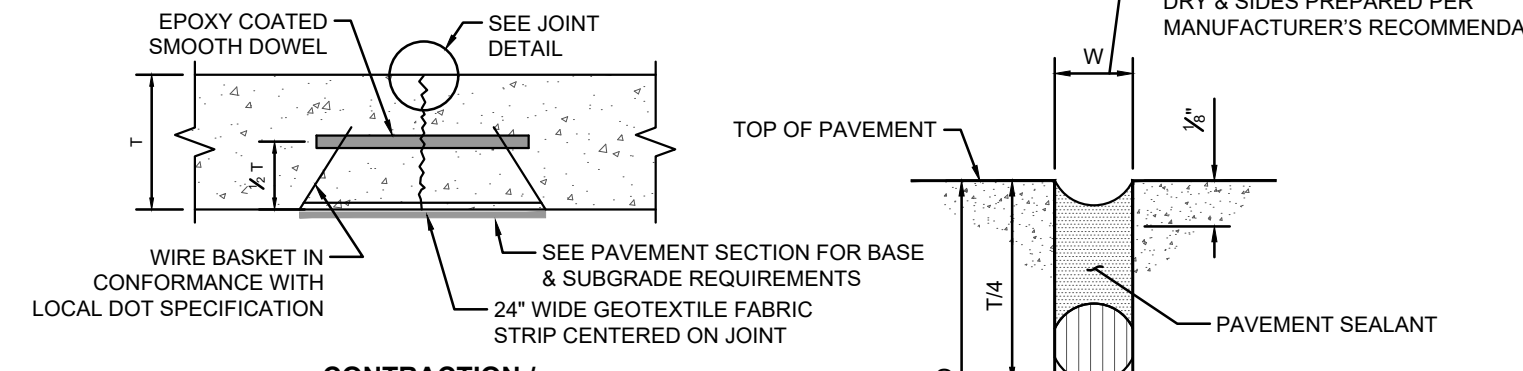
**NOTES:**

- TO BE USED FOR ALL SIDEWALKS THROUGHOUT SITE. WIDTHS SHALL BE AS DENOTED ON PLAN.
- CONCRETE SHALL BE PORTLAND CEMENT CONCRETE (CLASS M), 3,000 PSI, PER SECTION 901, LSSRB (2006 ED.)

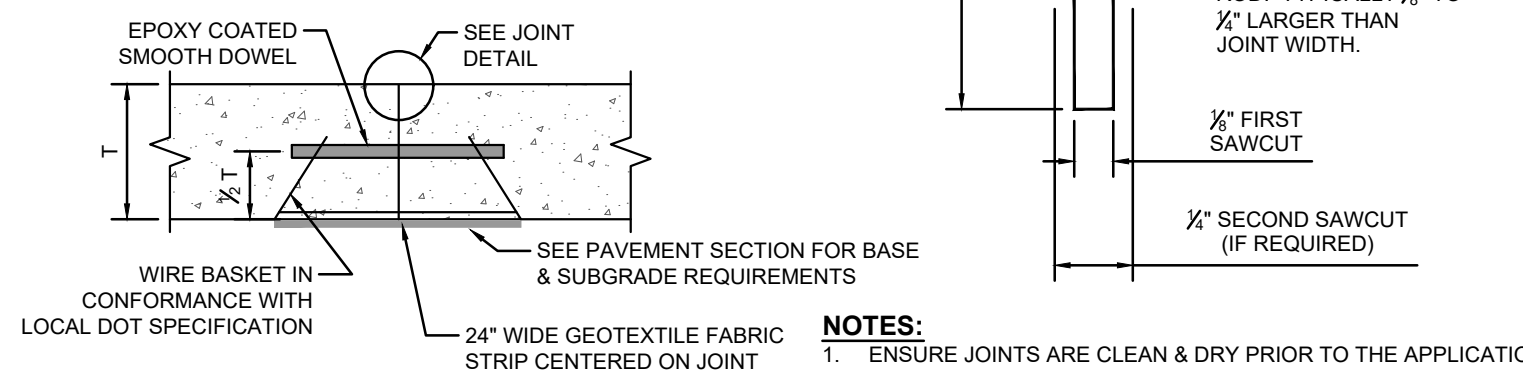
**CONCRETE SIDEWALK**  
N.T.S.



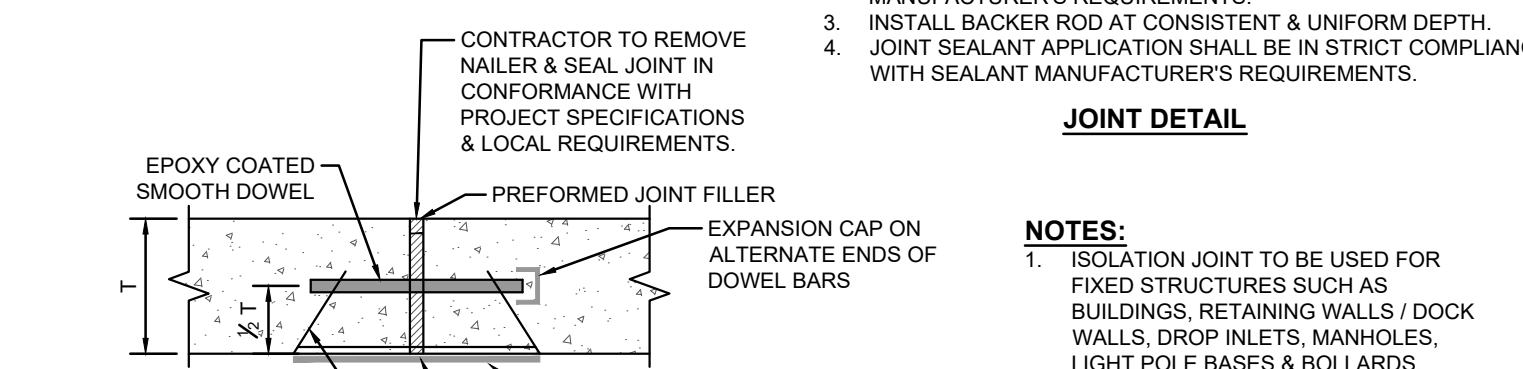
**BUTT JOINT DETAIL**



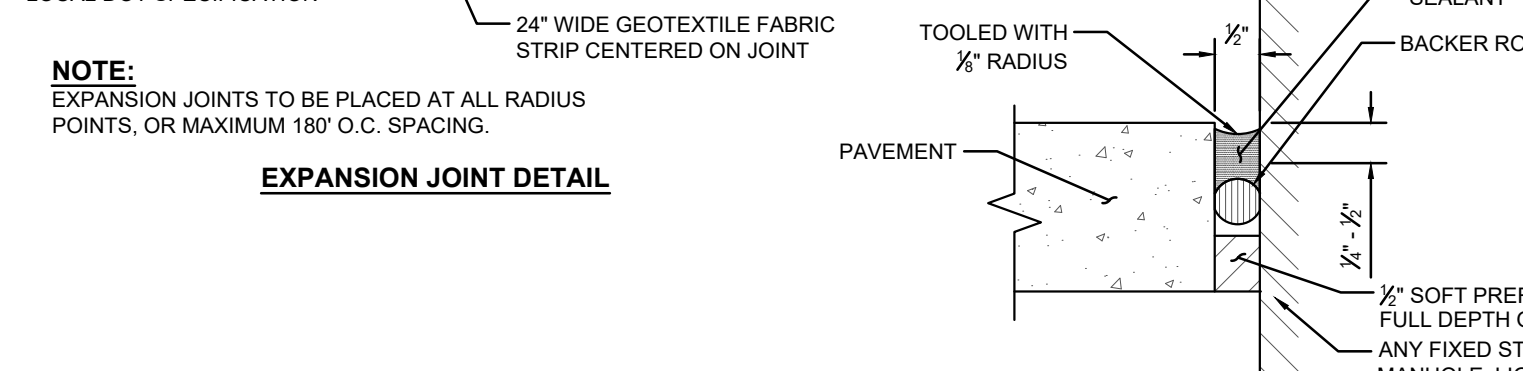
**CONTRACTION / CONTROL JOINT DETAIL**



**CONSTRUCTION JOINT DETAIL**



**EXPANSION JOINT DETAIL**



**ISOLATION JOINT AT STRUCTURES**

**CONCRETE JOINT DETAILS**  
N.T.S.

**TABLE 1**

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

**NOTES:**

- JOINTS SHALL BE SAWCUT AS SOON AS THE CONCRETE HAS REACHED SUFFICIENT STRENGTH TO SUPPORT THE SAWING EQUIPMENT & TEARING OF CONCRETE DOES NOT OCCUR.
- GEOTEXTILE FABRIC SHALL BE CONSTRUCTED OF NON-WOVEN POLYPROPYLENE FIBERS RESISTANT TO CHEMICAL ATTACK, MILDWEAR, & ROT. THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A GEOTEXTILE MATERIAL SUBMITTAL FOR APPROVAL.
- CONSTRUCT EXPANSION, WEAKENED PLANE CONTROL (CONTRACTION), & CONSTRUCTION JOINTS STRAIGHT WITH FACE PERPENDICULAR TO CONCRETE SURFACE.
- CONSTRUCT CONTROL JOINTS FOR DEPTH EQUAL TO AT LEAST 1/2 OF THE CONCRETE THICKNESS AS FOLLOWS:  
A. FORM TOOLED JOINTS IN FRESH CONCRETE BY GROOVING TOP WITH RECOMMENDED TOOL & FINISHING EDGE WITH JOINTER.  
B. FORM SAWED JOINTS USING POWERED SAWS EQUIPPED WITH SHATTERPROOF ABRASIVE OR PRE-MOLDED JOINT FILLER FOR EXPANSION JOINTS ABUTTING CONCRETE CURBS, CATCH BASINS, MANHOLES, INLETS, STRUCTURES, SIDEWALKS, & OTHER FIXED OBJECTS.
- CONSTRUCTION JOINTS: PLACE CONSTRUCTION JOINTS AT END OF PLACEMENTS & AT LOCATIONS WHERE PLACEMENTS 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, & 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 & FILL WITH JOINT SEALER.
- JOINT FILLERS: EXTEND JOINT FILLERS FULL WIDTH & DEPTH OF JOINT, & 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. WHEREVER 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 & SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- DOWELS SHALL NOT BE PLACED CLOSER THAN 12" TO A JOINT INTERSECTION.

**FREMAUX GAS STATION**  
SLIDELL, LA  
ST TAMMANY PARISH  
PELICAN STATE REAL ESTATE, LLC  
469 INDIAN VILLAGE RD.

**DDG**  
1 GALLERIA BLVD. | SUITE 1506  
METAIRIE, LA  
504.434.6565

**PRELIMINARY NOT FOR CONSTRUCTION**

PROJECT NO. 22-1344  
FOR PERMITTING  
01/14/2025  
CHECKED BY SMT  
DRAWN BY DTS  
SHEET NAME

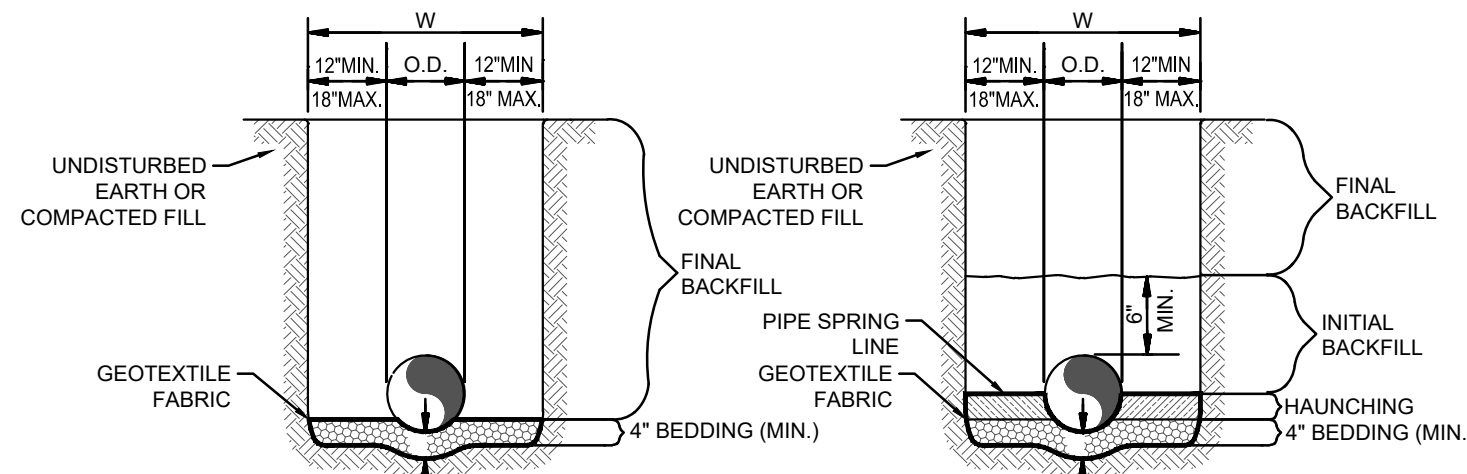
**DETAIL SHEET**

**C-7.1**







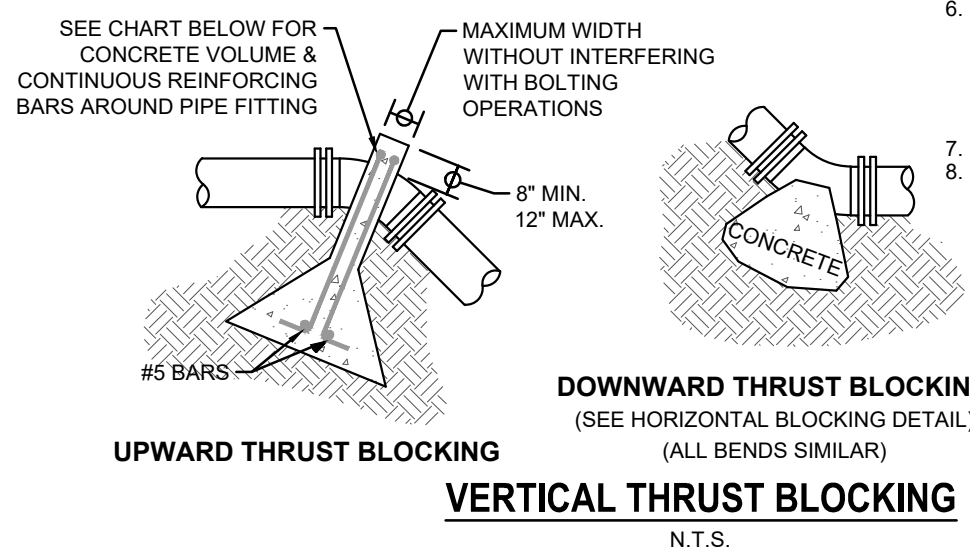


**REINFORCED CONCRETE PIPE (RCP) & SPIRAL RIB PIPE SMALLER THAN 60"**  
N.T.S.

- GENERAL NOTES:**
- BEDDING SHALL BE #57 STONE OR RECYCLED CONCRETE CONFORMING TO SUB-SECTION 1003.01 LOUISIANA STANDARD SPECIFICATIONS FOR ROADS & BRIDGES, 2000 EDITION, COMPACTED 90% MAXIMUM DRY DENSITY (ASTM D698).
  - HAUNCHING SHALL BE WORKED AROUND THE PIPE BY HAND TO ELIMINATE VOIDS & SHALL BE SAME MATERIAL AS BEDDING.
  - FINAL BACKFILL SHALL BE PUMPED RIVER SAND OR OTHER SELECT MATERIAL CONFORMING TO LSSRB 2000 EDITION.
  - FINAL BACKFILL SHALL BE COMPACTED TO 95% STANDARD PROCTOR (ASTM D698).
  - ALL MATERIALS SHALL BE INSTALLED IN MAXIMUM 8" LOOSE LIFTS IN ACCORDANCE WITH ASTM D 698.
  - ALL TRENCH EXCAVATIONS SHALL BE SLOPED, SHORED, SHEETED, BRACED OR OTHERWISE SUPPORTED IN COMPLIANCE WITH OSHA REGULATIONS & LOCAL ORDINANCES. (SEE SPECIFICATIONS).
  - GEOTEXTILE FABRIC SHALL BE MIRAFI 600 OR APPROVED EQUAL.
  - GEOTEXTILE FABRIC SHALL BE PLACED AT THE INTERFACE OF THE BEDDING MATERIAL & NATURAL SUBGRADE AS WELL AS AROUND THE PIPE AT EACH JOINT.

**STORM SEWER TRENCH & BEDDING**  
N.T.S.

PIPE SIZE	90° BEND		45° BEND		22 1/2° BEND		1 1/2° BEND	
	CONC. C.Y.	REINF. QTY. SIZE	CONC. C.Y.	REINF. QTY. SIZE	CONC. C.Y.	REINF. QTY. SIZE	CONC. C.Y.	REINF. QTY. SIZE
6	1.9	4 5	1.2	4 5	0.6	4 5	0.3	4 5
8	3.3	4 5	1.9	4 5	1.0	4 5	0.6	4 5
10	5.3	6 5	2.9	4 5	1.4	4 5	0.7	4 5
12	7.6	6 5	4.3	6 5	2.2	4 5	1.2	4 5



**UPWARD THRUST BLOCKING**  
N.T.S.

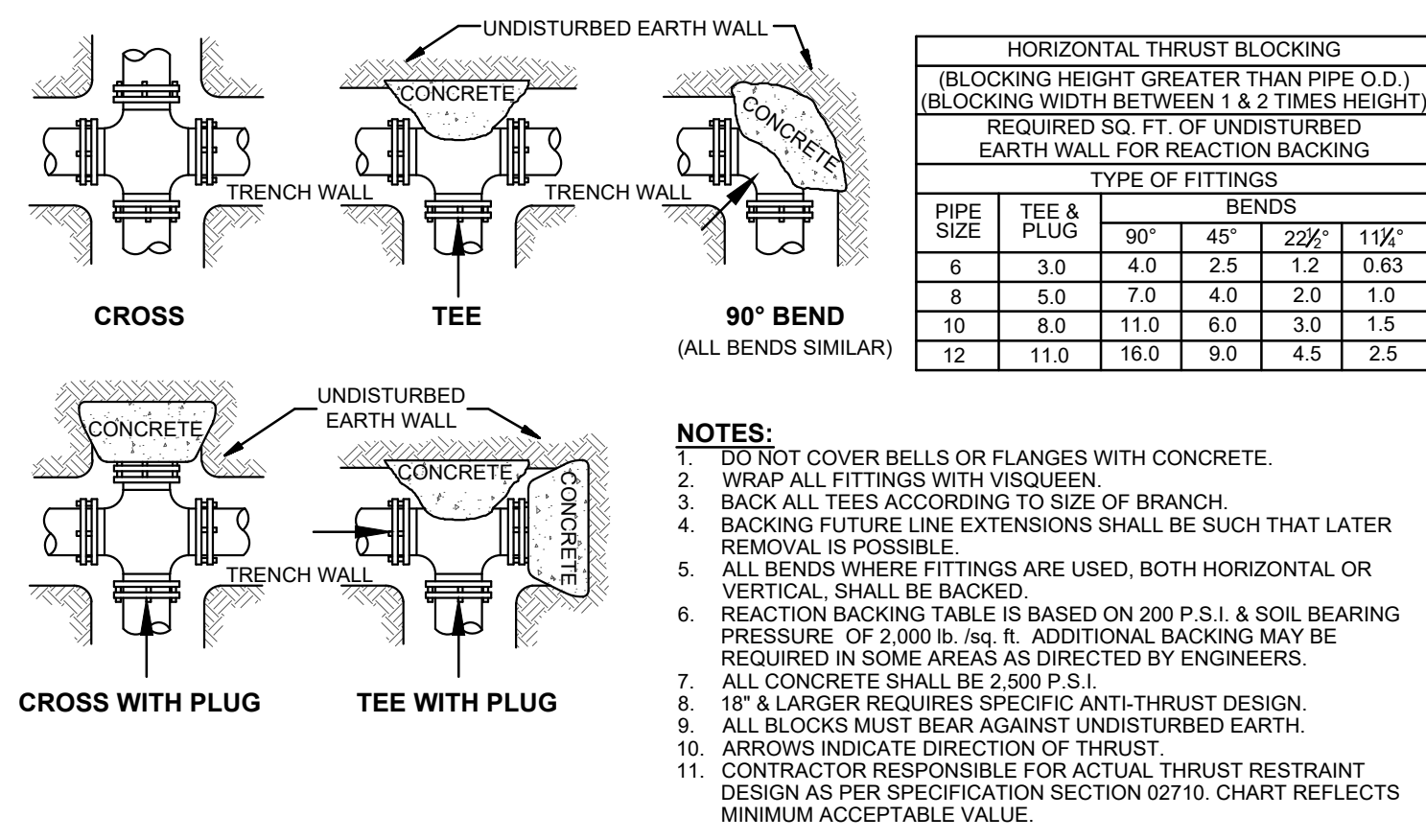
**DOWNWARD THRUST BLOCKING**  
(SEE HORIZONTAL BLOCKING DETAIL)  
(ALL BENDS SIMILAR)

**VERTICAL THRUST BLOCKING**  
N.T.S.

- NOTES:**
- DO NOT COVER BELLS OR FLANGES WITH CONCRETE.
  - WRAP ALL FITTINGS WITH VISQUEEN.
  - BACK ALL TEES ACCORDING TO SIZE OF BRANCH.
  - BACKING FUTURE LINE EXTENSIONS SHALL BE SUCH THAT LATER REMOVAL IS POSSIBLE.
  - ALL BENDS WHERE FITTINGS ARE USED, BOTH HORIZONTAL OR VERTICAL SHALL BE BACKED.
  - REACTION BACKING TABLE IS BASED ON 200 P.S.I. & SOIL BEARING PRESSURE OF 2,000 LB./SQ. FT. ADDITIONAL BACKING MAY BE REQUIRED IN SOME AREAS AS DIRECTED BY ENGINEERS.
  - ALL CONCRETE SHALL BE 2,500 P.S.I. 18" & LARGER REQUIRES SPECIFIC ANTI-THRUST DESIGN.

CLASS	TYPE	SOIL GROUP SYMBOL D2487	DESCRIPTION
1A	MANUFACTURED AGGREGATES, OPEN-GRADED, CLEAN	NONE	ANGULAR, CRUSHED STONE OR ROCK, CRUSHED GRAVEL, BROKEN CORAL, CRUSHED SLAG, CINDERS OR SHELLS, LARGE VOID CONTENT, CONTAIN LITTLE OR NO FINES
1B	MANUFACTURED, PROCESSED AGGREGATES, DENSE-GRADED, CLEAN	NONE	ANGULAR, CRUSHED STONE (OR OTHER CLASS 1A MATERIALS) & STONE / SAND MIXTURES WITH GRADATIONS SELECTED TO MINIMIZE MIGRATION OF ADJACENT SOILS; CONTAIN LITTLE OR NO FINES (SEE X1.8)
II	COARSE-GRAINED SOILS, CLEAN	GW	WELL-GRADED GRAVELS & GRAVEL-SAND MIXTURES; LITTLE OR NO FINES
		GP	POORLY-GRADED GRAVELS & GRAVEL-SAND MIXTURES; LITTLE OR NO FINES
		SW	WELL-GRADED SANDS & GRAVELY SANDS; LITTLE OR NO FINES
		SP	POORLY-GRADED SANDS & GRAVELY SANDS; LITTLE OR NO FINES
	COARSE-GRAINED SOILS BORDERLINE CLEAN TO W/ FINES	e.g. GW-GC, SP-SM	SANDS & GRAVELS WHICH ARE BORDERLINE BETWEEN CLEAN & WITH FINES
III	COARSE-GRAINED SOILS WITH FINES	GM	SILTY GRAVELS, GRAVEL-SAND-SILT MIXTURES
		GC	CLAYEY GRAVELS, GRAVEL-SAND-CLAY MIXTURES
		SM	SILTY SANDS, SAND-SILT MIXTURES
		SC	CLAYEY SANDS, SAND-CLAY MIXTURES
IV-A	FINE-GRAINED SOILS (INORGANIC)	ML	INORGANIC SILTS & VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS, SILTS WITH SLIGHT PLASTICITY
		CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
IV-B	FINE-GRAINED SOILS (INORGANIC)	MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SANDY OR SILTY SOILS, ELASTIC SILTS
		CH	INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS
V	ORGANIC SOILS	OL	ORGANIC SILTS & ORGANIC SILTY CLAYS OF LOW PLASTICITY
		OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS
		PT	PEAT & OTHER HIGH ORGANIC SOILS
	HIGHLY ORGANIC		

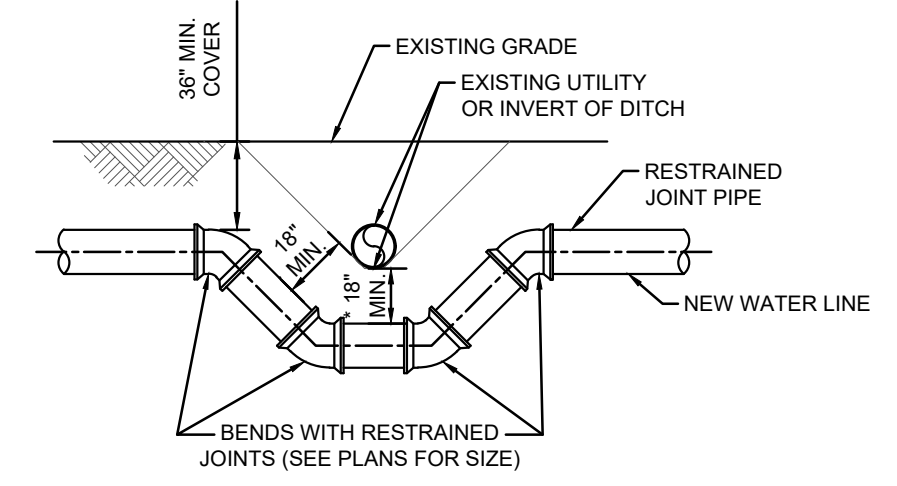
**GENERAL SOIL CLASSIFICATION CHART**



PIPE SIZE	TYPE OF FITTINGS					
	TEE & PLUG	90°	45°	22 1/2°	1 1/2°	
6	3.0	4.0	2.5	1.2	0.63	
8	5.0	7.0	4.0	2.0	1.0	
10	8.0	11.0	6.0	3.0	1.5	
12	11.0	16.0	9.0	4.5	2.5	

- NOTES:**
- DO NOT COVER BELLS OR FLANGES WITH CONCRETE.
  - WRAP ALL FITTINGS WITH VISQUEEN.
  - BACK ALL TEES ACCORDING TO SIZE OF BRANCH.
  - BACKING FUTURE LINE EXTENSIONS SHALL BE SUCH THAT LATER REMOVAL IS POSSIBLE.
  - ALL BENDS WHERE FITTINGS ARE USED, BOTH HORIZONTAL OR VERTICAL SHALL BE BACKED.
  - REACTION BACKING TABLE IS BASED ON 200 P.S.I. & SOIL BEARING PRESSURE OF 2,000 LB./SQ. FT. ADDITIONAL BACKING MAY BE REQUIRED IN SOME AREAS AS DIRECTED BY ENGINEERS.
  - ALL CONCRETE SHALL BE 2,500 P.S.I.
  - 18" & LARGER REQUIRES SPECIFIC ANTI-THRUST DESIGN.
  - ALL BLOCKS MUST BEAR AGAINST UNDISTURBED EARTH.
  - ARROWS INDICATE DIRECTION OF THRUST.
  - CONTRACTOR RESPONSIBLE FOR ACTUAL THRUST RESTRAINT DESIGN AS PER SPECIFICATION SECTION 02710. CHART REFLECTS MINIMUM ACCEPTABLE VALUE.

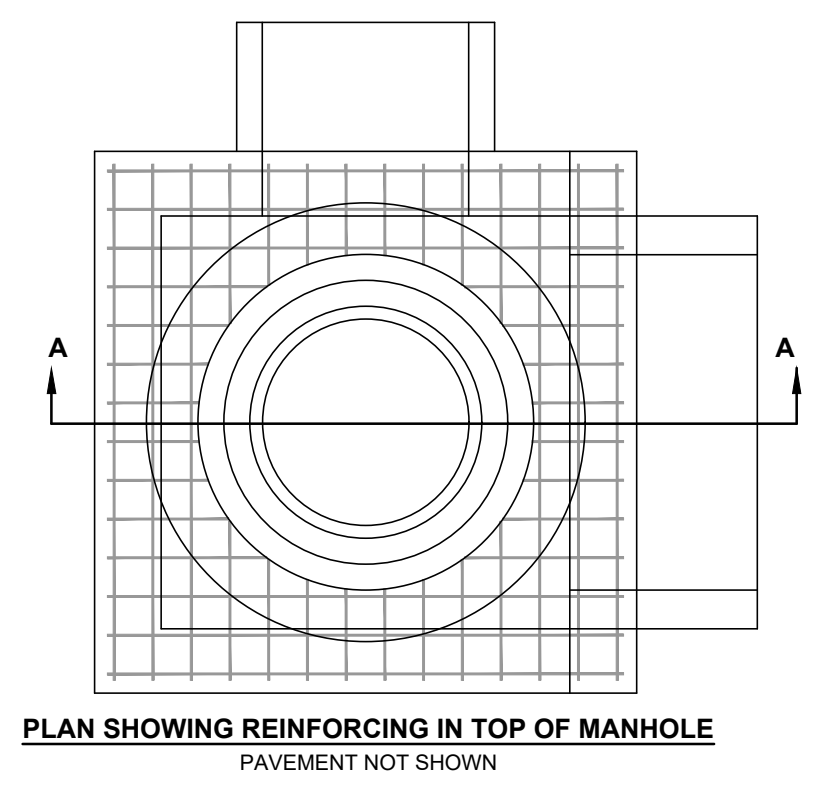
**HORIZONTAL THRUST BLOCKING**  
N.T.S.



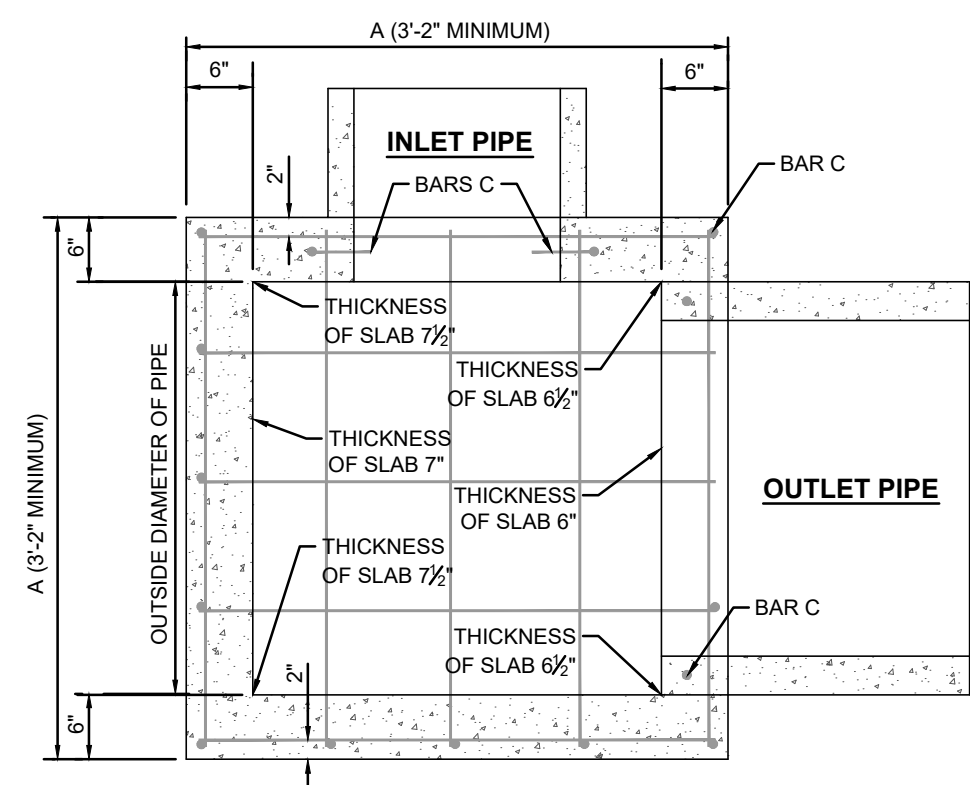
**WATER LINE OFFSET DETAIL**  
N.T.S.

MARK	SIZE	SPACING	NO. REQUIRED	UNIT LENGTH	UNIT LENGTH
BAR A	1/2"	APPROX. 11"	10	A-3"	LONGITUDINAL & TRANSVERSE IN BOTTOM SLAB
BAR B	1/2"	APPROX. 11"	DEPENDING ON WIDTH & SIZE OF PIPES	A-3"	LONGITUDINAL & TRANSVERSE IN WALLS OF BOX
BAR C	1/2"	3"	DEPENDING ON WIDTH & SIZE OF PIPES	A-3"	LONGITUDINAL & TRANSVERSE IN TOP SLAB OF BOX
BAR B	1/2"	APPROX. 11"	DEPENDING ON WIDTH & SIZE OF PIPES	SEE BENDING DIAGRAM	VERTICAL IN WALLS OF BOX
HOOPS C	1/2"	1 EACH PIPE	SEE BENDING DIAGRAM	AROUND EACH PIPE AS SHOWN	
HOOPS D	1/2"	9" MIN.	9 MIN.	3'-7"	HOOPS IN WALLS OF CYLINDER
BAR E	1/2"	30" RADIUS	12	V+4 1/2" P.V.L THICKNESS	VERTICAL IN WALLS OF CYLINDER

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

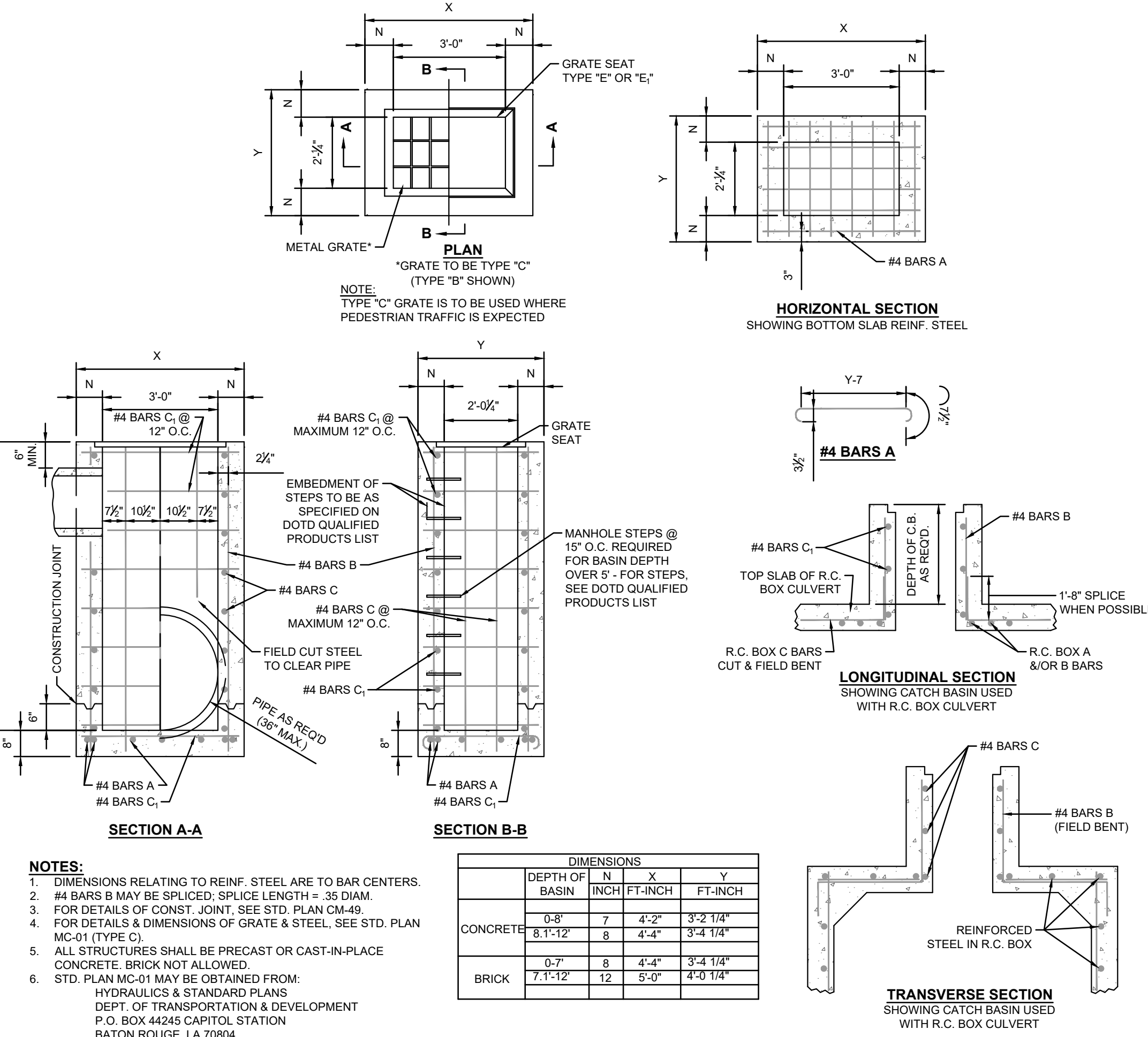


**PLAN SHOWING REINFORCING IN TOP OF MANHOLE**  
PAVEMENT NOT SHOWN



**SECTION SHOWING REINFORCING IN BOTTOM OF SLAB**

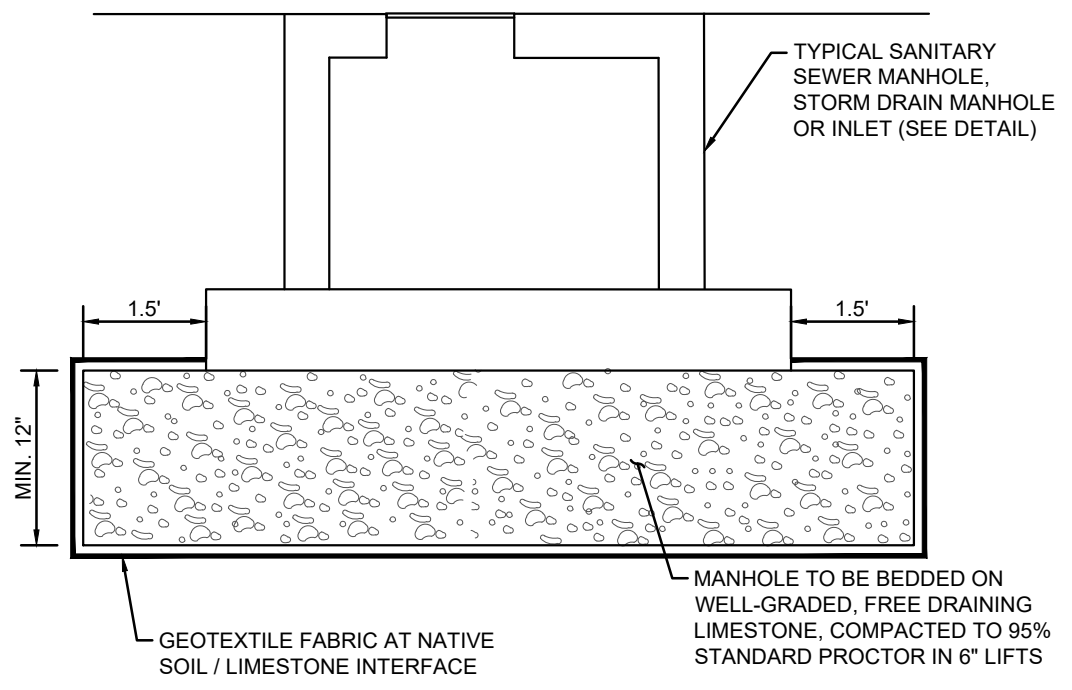
**STANDARD PLAN RC MANHOLES LA.D.O.T.D. R-CB-11**  
N.T.S.



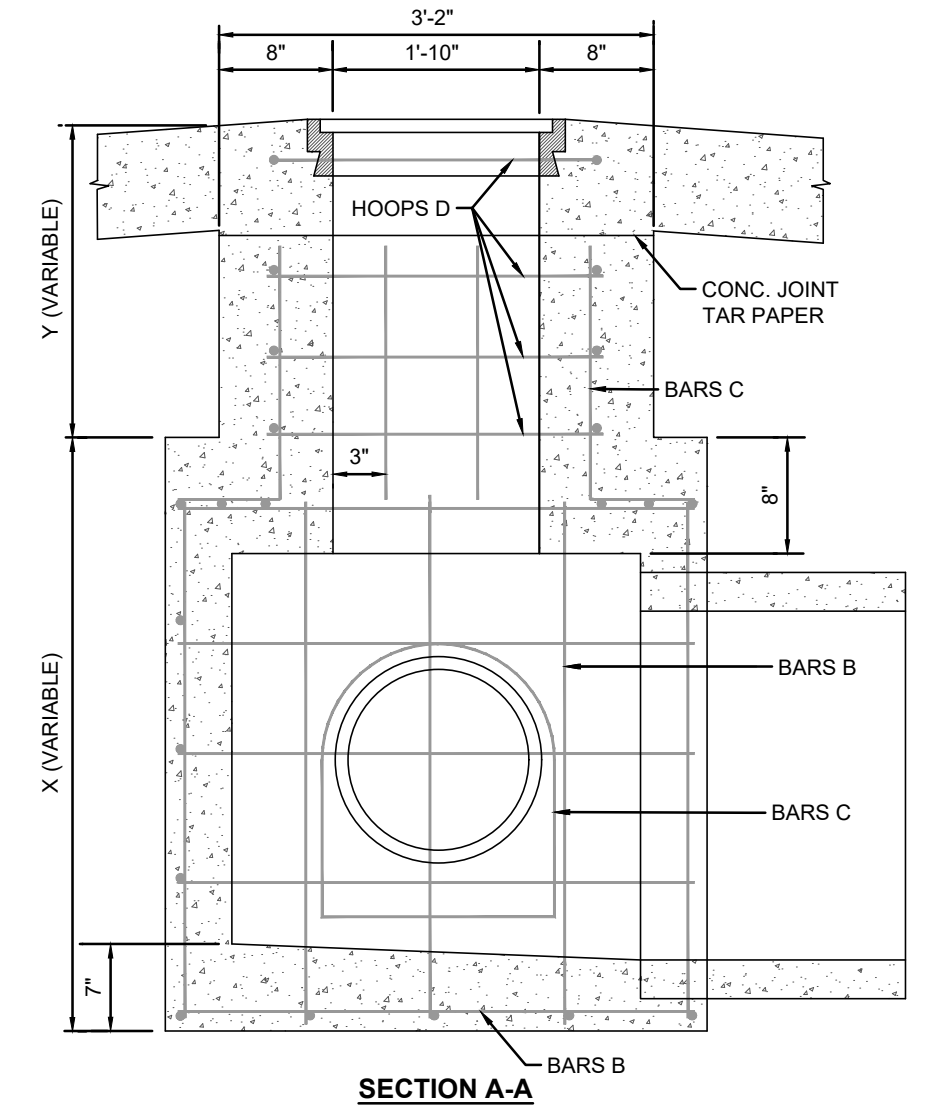
**CONCRETE OPEN TOP CATCH BASIN L.D.O.T.D. CB-01 (36\"/>**

- NOTES:**
- DIMENSIONS RELATING TO REINF. STEEL ARE TO BAR CENTERS.
  - #4 BARS B MAY BE SPLICED. SPLICE LENGTH = 35 DIAM.
  - FOR DETAILS OF CONST. JOINT, SEE STD. PLAN CM-49.
  - FOR DETAILS & DIMENSIONS OF GRATE & STEEL, SEE STD. PLAN MC-01 (TYPE C).
  - ALL STRUCTURES SHALL BE PRECAST OR CAST-IN-PLACE CONCRETE. BRICK NOT ALLOWED.
  - STD. PLAN MC-01 MAY BE OBTAINED FROM: HYDRAULICS & STANDARD PLANS DEPT. OF TRANSPORTATION & DEVELOPMENT P.O. BOX 44245 CAPITOL STATION BATON ROUGE, LA 70804

DEPTH OF BASIN	DIMENSIONS	
	X	Y
CONCRETE	8'-8"	7'-4"
BRICK	7'-11"	6'-4"



**TYPICAL SANITARY SEWER MANHOLE, STORM DRAIN MANHOLE OR STORM DRAIN INLET BEDDING DETAIL**  
N.T.S.



**SECTION A-A**

**DETAIL SHEET**

**FREMAUX GAS STATION**  
SLIDELL, LA  
ST TAMMANY PARISH  
PELLICAN STATE REAL ESTATE, LLC  
469 INDIAN VILLAGE RD.

**DDG**  
1 GALLERIA BLVD. | SUITE 1506  
METAIRIE, LA  
504.434.6565

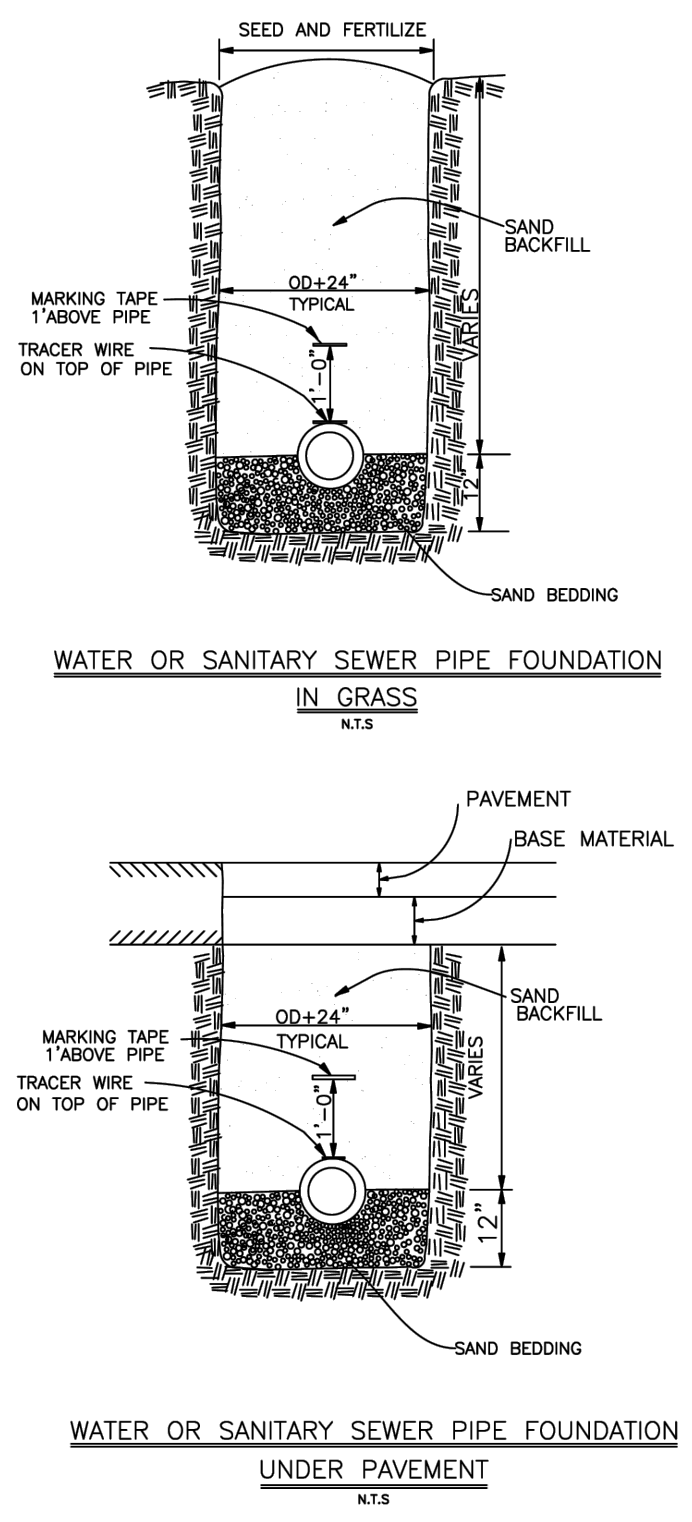
**PRELIMINARY NOT FOR CONSTRUCTION**

PROJECT NO. 22-1344  
FOR PERMITTING  
01/14/2025

CHECKED BY SMT  
DRAWN BY DTS  
SHEET NAME

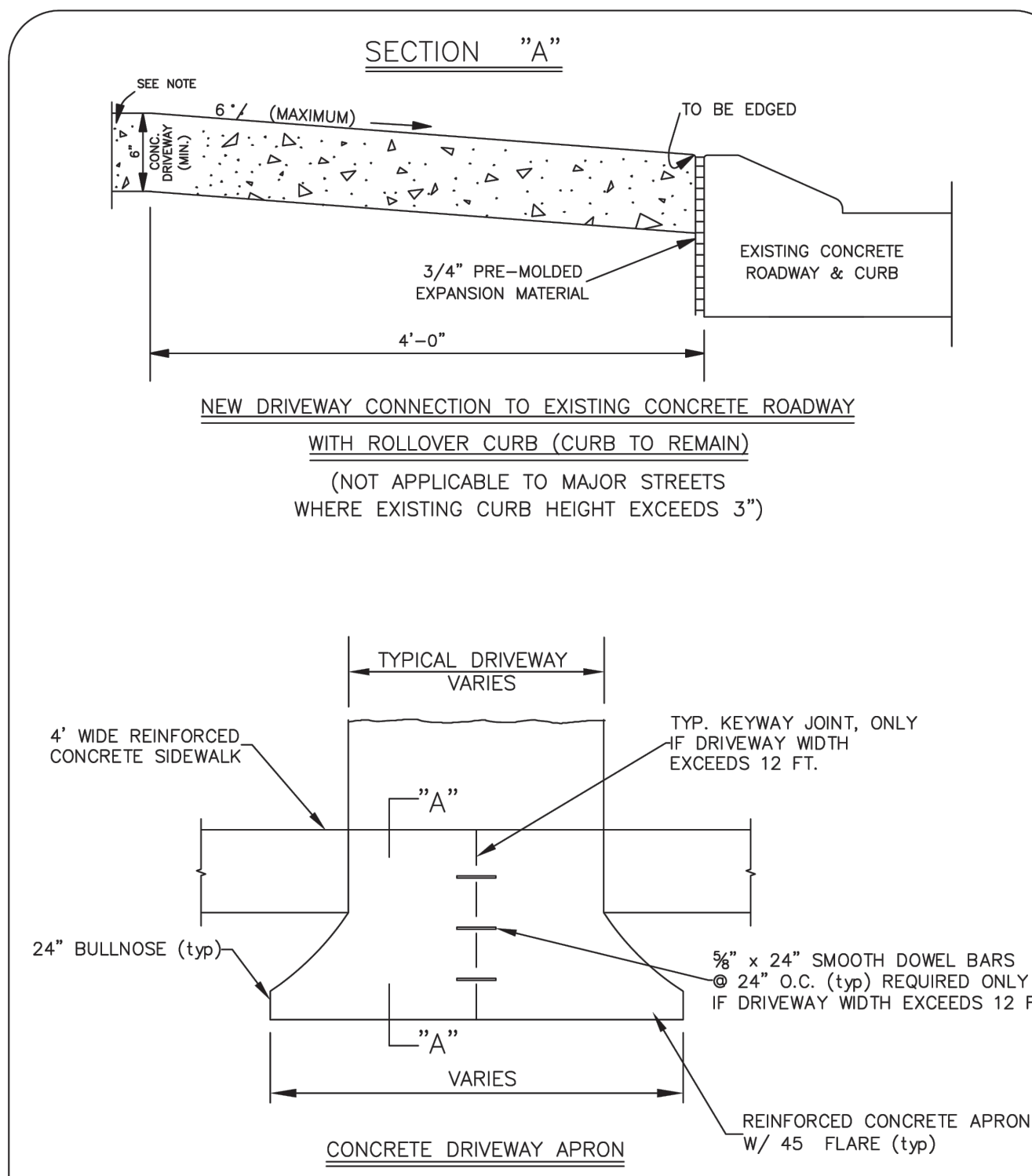
**C-7.3**





1. SHORING MAY BE REQUIRED BY SOIL CONDITIONS  
 2. WATERLINES SHALL BE C-900  
 3. SEWER FORCE MAIN SHALL BE SDR 26  
 4. GRAVITY SEWER LINE SHALL BE SDR 35  
 5. TRACER WIRE REQUIRED ON WATER & FORCE MAINS ONLY

**SANITARY SEWER PIPE FOUNDATION**  
 CITY OF SLIDELL ENGINEERING DEPT.  
 Annual Maintenance Contract FY 2019  
 DRAWN BY: JMC FILE No: 950-41F SHT 6  
 Approved By: DSO DATE: 2/8/2018

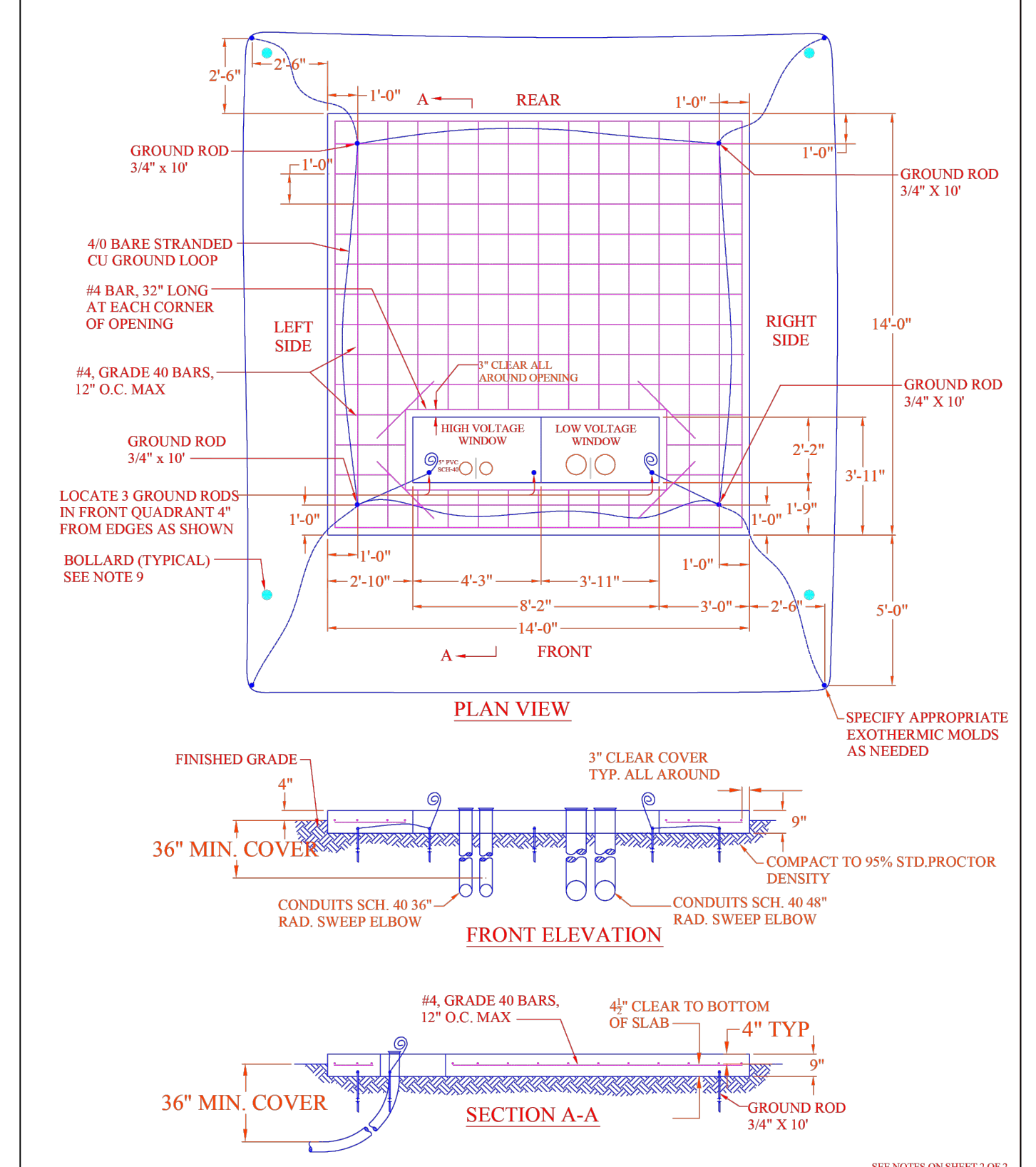


**SECTION "A"**  
 TO BE EDGED  
 6" (MAXIMUM)  
 3/4" PRE-MOLDED EXPANSION MATERIAL  
 4'-0"  
 EXISTING CONCRETE ROADWAY & CURB  
**NEW DRIVEWAY CONNECTION TO EXISTING CONCRETE ROADWAY WITH ROLLOVER CURB (CURB TO REMAIN)**  
 (NOT APPLICABLE TO MAJOR STREETS WHERE EXISTING CURB HEIGHT EXCEEDS 3")

4" WIDE REINFORCED CONCRETE SIDEWALK  
 24" BULLNOSE (typ)  
 TYP. KEYWAY JOINT, ONLY IF DRIVEWAY WIDTH EXCEEDS 12 FT.  
 5/8" x 24" SMOOTH DOWEL BARS @ 24" O.C. (typ) REQUIRED ONLY IF DRIVEWAY WIDTH EXCEEDS 12 FT.  
 REINFORCED CONCRETE APRON W/ 45° FLARE (typ)  
**CONCRETE DRIVEWAY APRON**  
 N.T.S.

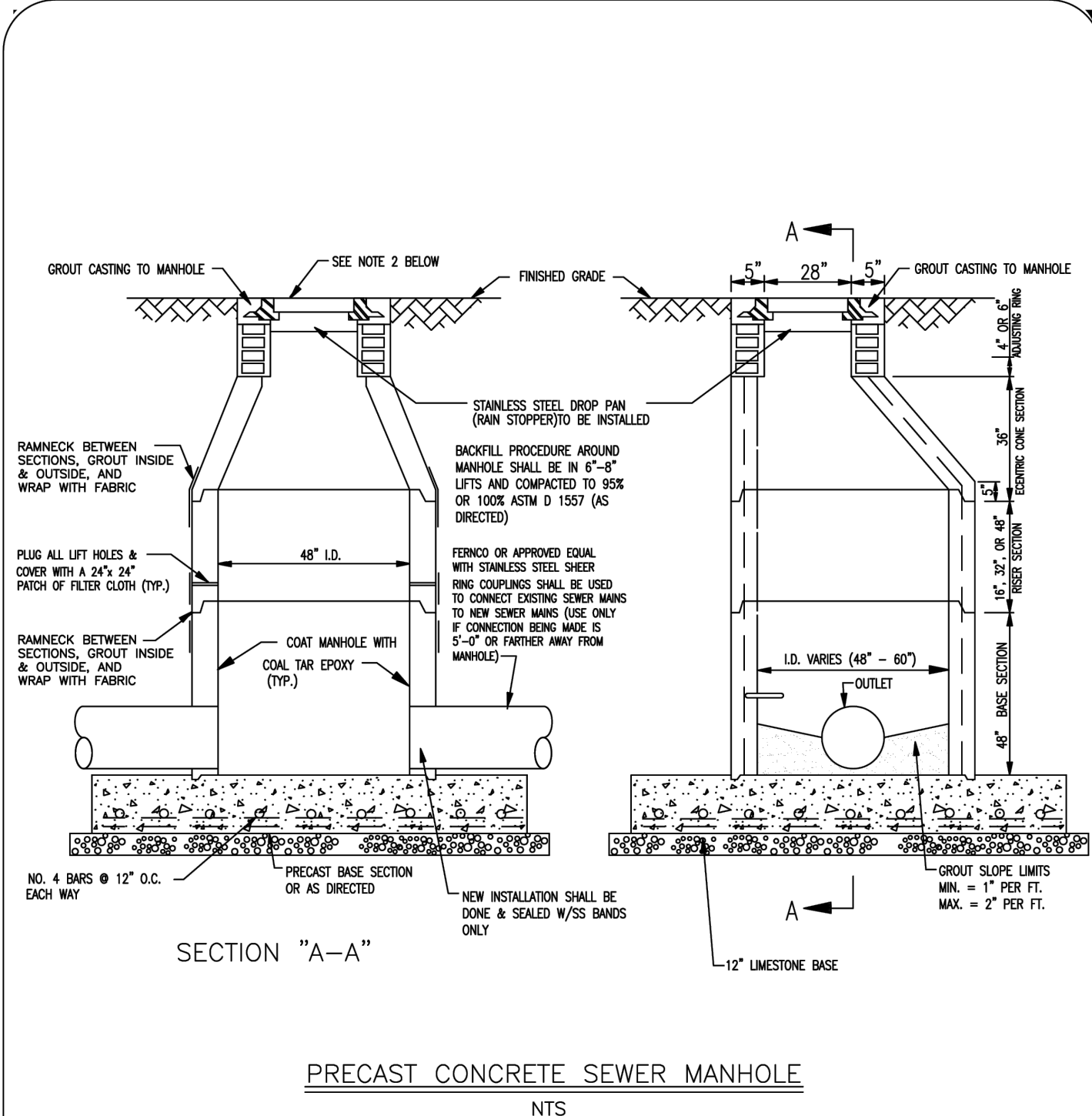
NOTE:  
 \*\*\*ALL DRIVEWAYS IN CITY R/W SHALL BE MINIMUM 6" THICK CONCRETE OVER A 4" COMPACTED SAND BASE. ALL SIDEWALKS SHALL BE MINIMUM 4" THICK CONCRETE OVER A 4" COMPACTED SAND BASE. CONCRETE SHALL BE 4000 PSI, REINFORCED WITH POLYPROPYLENE FIBERS (1-1/2 ONE-POUND BAGS PER C.Y. OF CONCRETE)\*\*

**DRIVEWAY CONNECTIONS-CONCRETE**  
 CITY OF SLIDELL ENGINEERING DEPT.  
 Annual Maintenance Contract FY 2019  
 DRAWN BY: JMC FILE No: 950-41F SHT 2  
 Approved By: DSO DATE: 2/8/2018



QUANTITY	MEA	ITEM	CLECO #	DESCRIPTION	FILE NAME:
				CONCRETE TRANSFORMER PAD, 3-PHASE 10 MVA	UFXXLG3P
				Cleco Power LLC PINEVILLE, LOUISIANA	SCALE: 1=1 SH. 1 OF 2 SHEETS

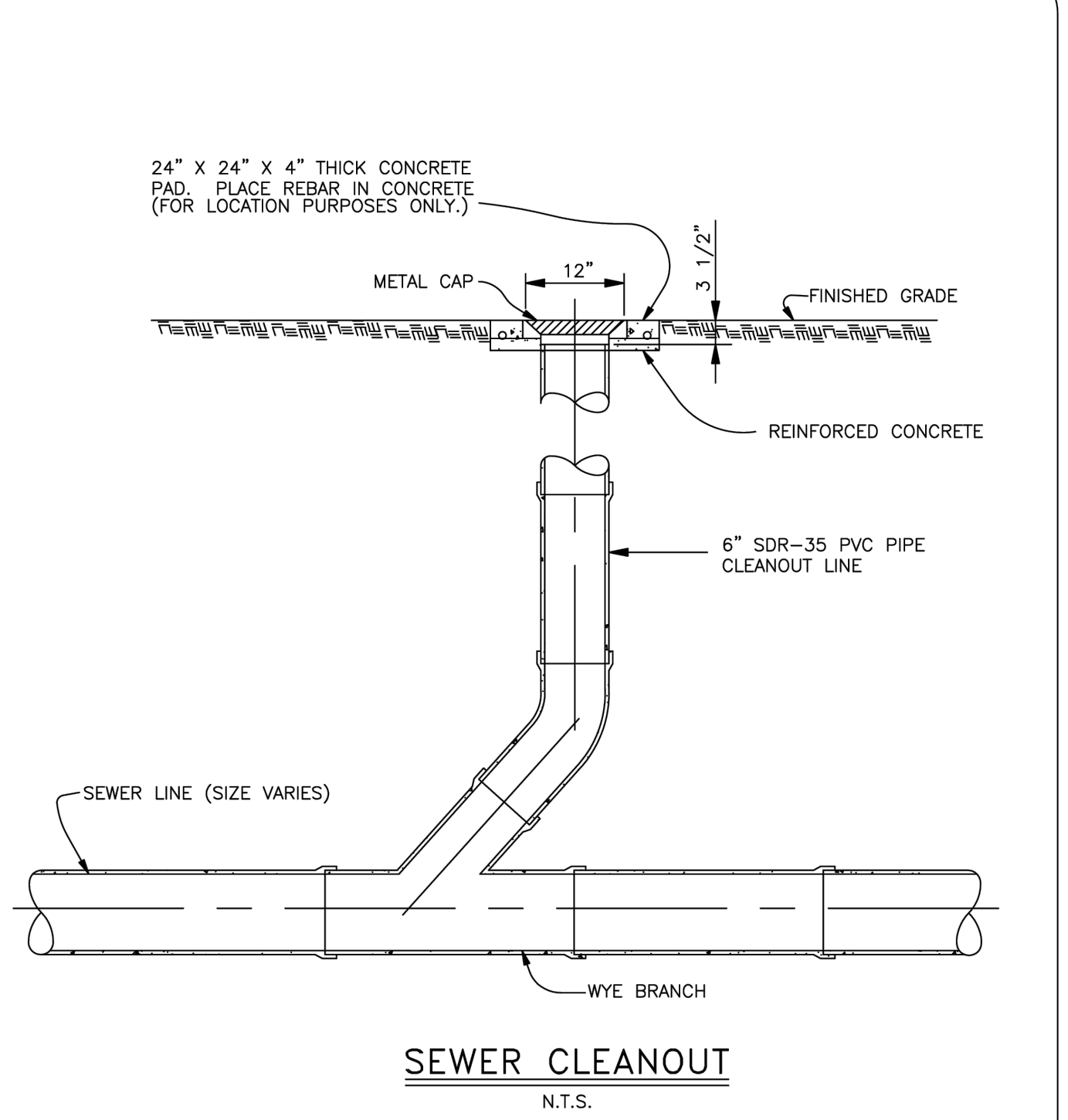
SEE NOTES ON SHEET 2 OF 2  
 DRAWN BY: M.M. APPD: DCD DATE: 11/5/2019



**SECTION "A-A"**  
**PRECAST CONCRETE SEWER MANHOLE**  
 N.T.S.

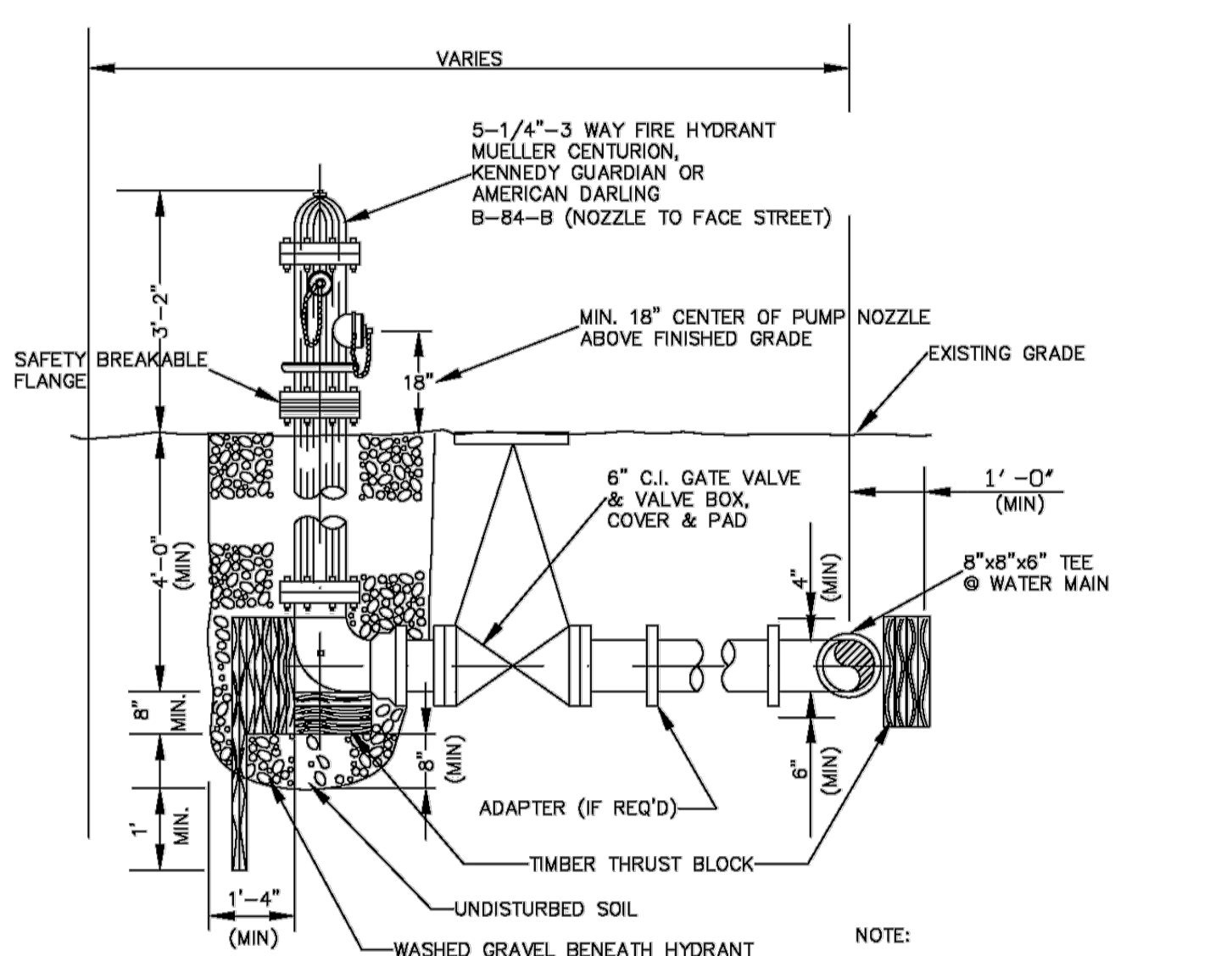
NOTES:  
 1. TO CONNECT TO EXISTING M.H. OLD PIPE IS TO BE BROKEN OUT & NEW PIPE INSERTED COMPLETELY INTO NEW MANHOLE.  
 2. COVER SHOULD BE VULCAN BRINDRY OR APPROVED EQUAL RIM AND COVER, WITH LETTERING "SEWER" TO BE CAST ON I.D.  
 3. ALL SEWER MANHOLES SHALL INCLUDE A SS RAINSTOPPER LINER.

**SEWER MANHOLE**  
 CITY OF SLIDELL ENGINEERING DEPT.  
 Annual Maintenance Contract FY 2019  
 DRAWN BY: JMC FILE No: 950-41F SHT 5  
 Approved By: DSO DATE: 2/8/2018



**24" X 24" X 4" THICK CONCRETE PAD, PLACE REBAR IN CONCRETE (FOR LOCATION PURPOSES ONLY.)**  
 METAL CAP  
 12"  
 3 1/2"  
 FINISHED GRADE  
 REINFORCED CONCRETE  
 6" SDR-35 PVC PIPE CLEANOUT LINE  
 WYE BRANCH  
**SEWER CLEANOUT**  
 N.T.S.

**CLEANOUT DETAILS**  
 CITY OF SLIDELL ENGINEERING DEPT.  
 Annual Maintenance Contract FY 2019  
 DRAWN BY: JMC FILE No: 950-41F SHT 4  
 Approved By: DSO DATE: 2/8/2018



**FIRE HYDRANT DETAIL**  
 N.T.S.

NOTES:  
 HYDRANT PAINT SHALL BE FACTORY APPLIED. (FIELD APPLIED PAINT SHALL NOT BE APPROVED)  
 PAINT COLOR SHALL BE:  
 1. KENNEDY HYDRANTS: KENNEDY SAFETY YELLOW NUMBER 05  
 2. MUELLER HYDRANTS: SAFETY YELLOW, FE83RY6655, MA0150, PAINT CODE (M7)  
 3. AMERICAN DARLING HYDRANTS: DUPONT SAFETY YELLOW 1853E

**FIRE HYDRANT DETAILS**  
 CITY OF SLIDELL ENGINEERING DEPT.  
 Annual Maintenance Contract FY 2014  
 DRAWN BY: JMC FILE No: 950-41D  
 Approved By: DSO DATE: 08/02/10

**FREMAUX GAS STATION**  
 SLIDELL, LA  
 ST TAMMANY PARISH  
 PELICAN STATE REAL ESTATE, LLC  
 469 INDIAN VILLAGE RD.

**DDG**  
 1 GALLERIA BLVD. | SUITE 1506  
 METAIRIE, LA  
 504.434.6565

**PRELIMINARY  
 NOT FOR  
 CONSTRUCTION**

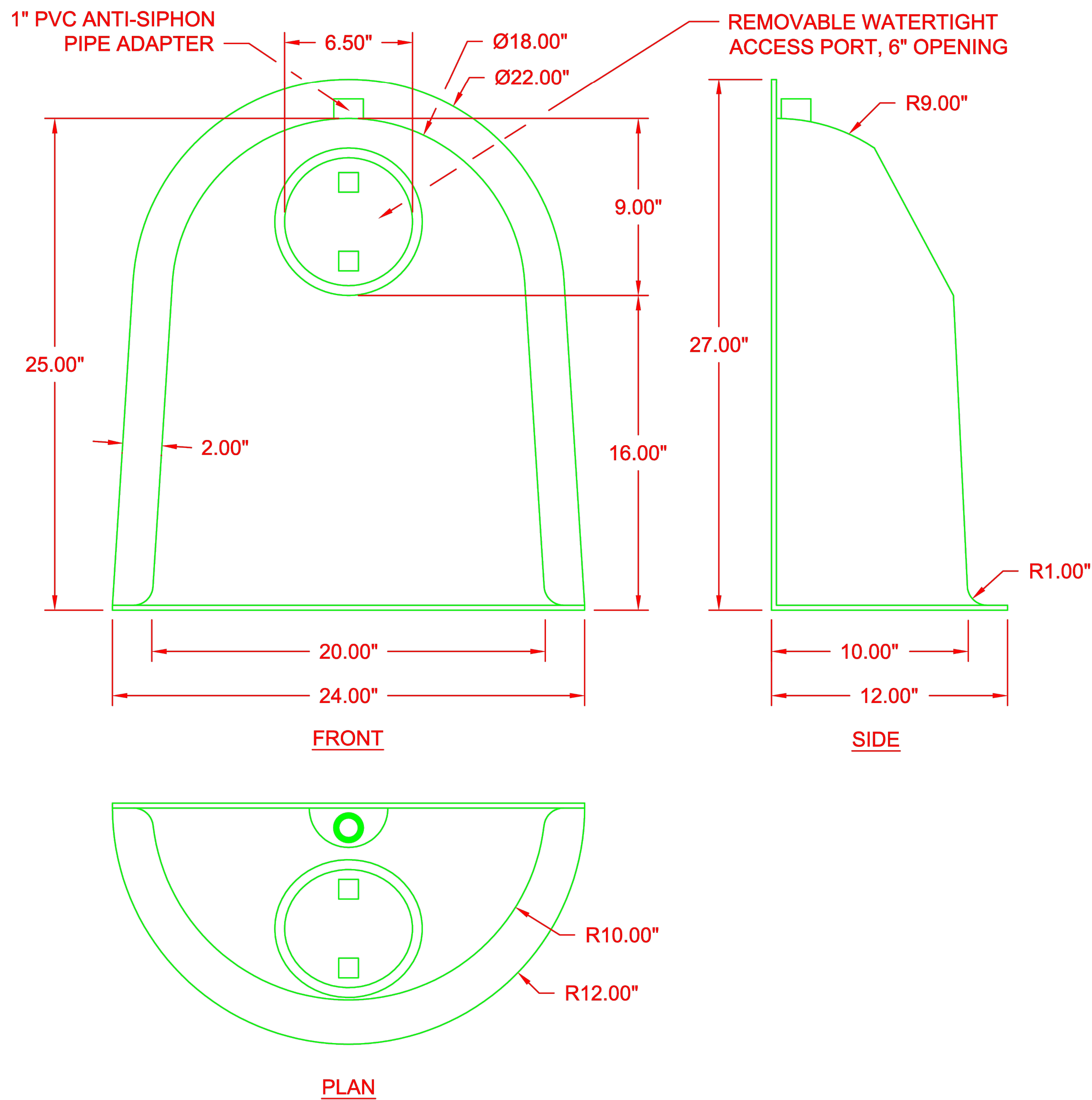
PROJECT NO. 22-1344  
 FOR PERMITTING  
 01/14/2025

CHECKED \_\_\_\_\_ SMT  
 DRAWN BY \_\_\_\_\_ DTS

SHEET NAME

**DETAIL SHEET C-7.4**



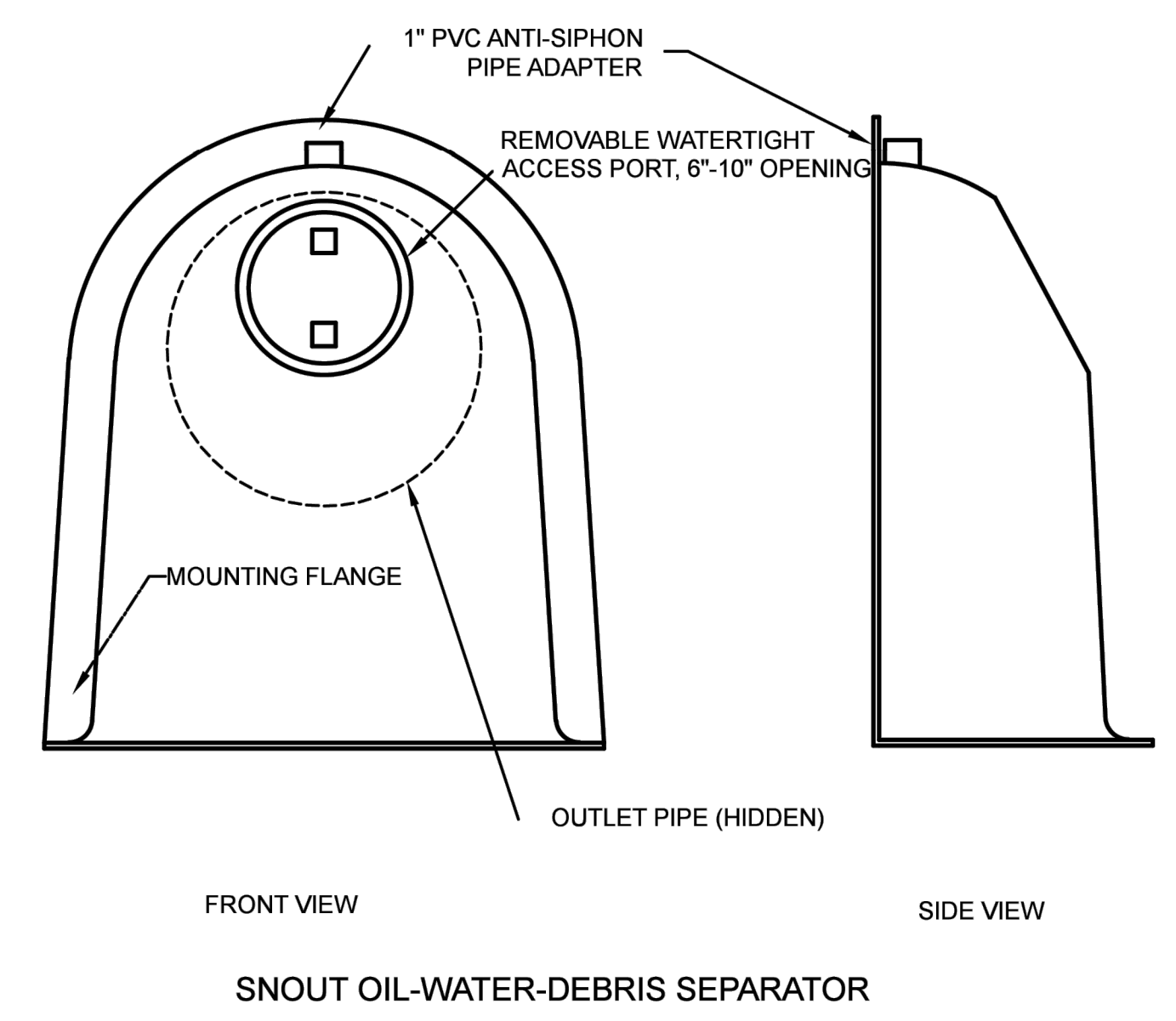


US PATENT #6126817 ADDITIONAL PATENTS PENDING

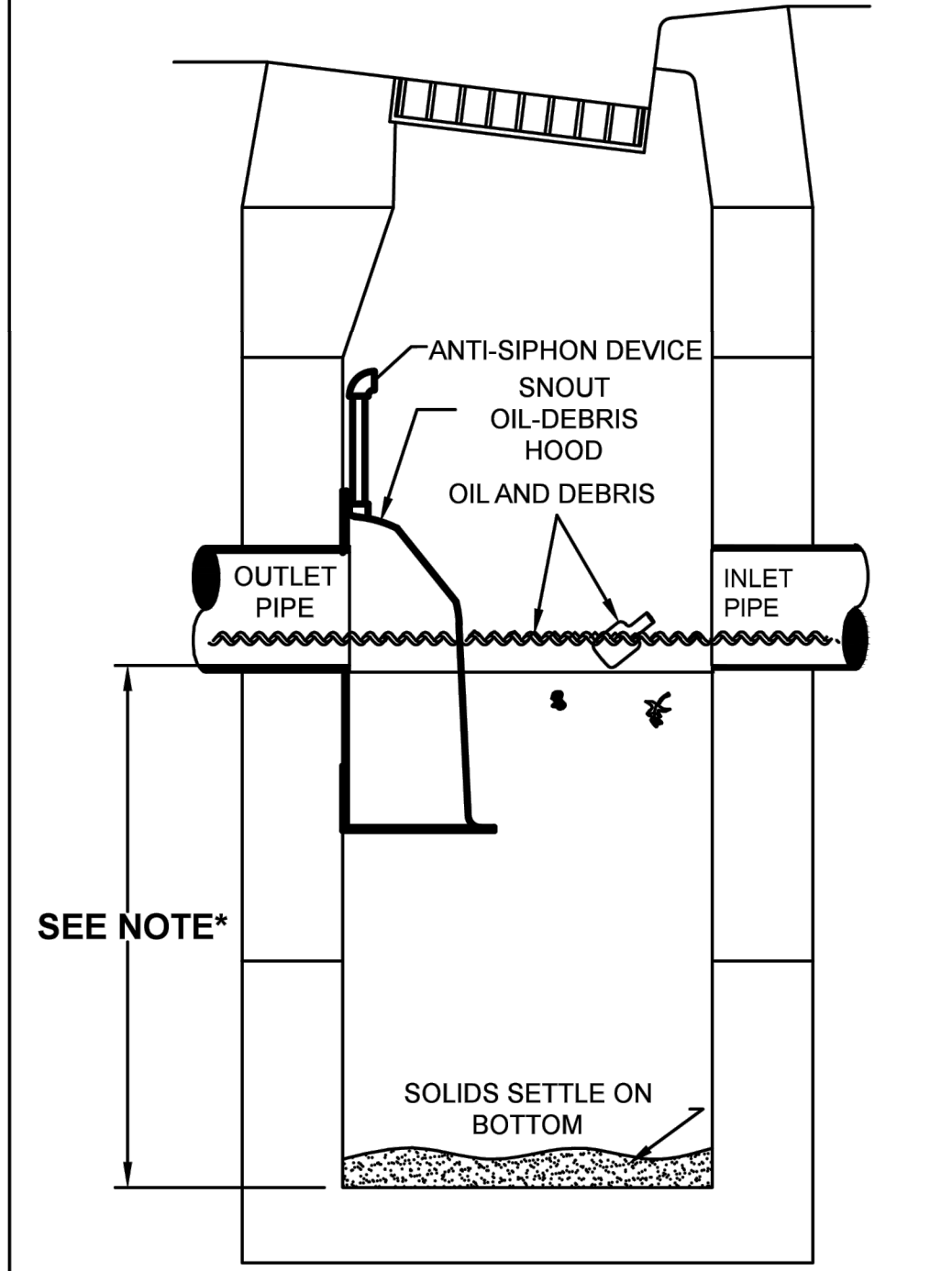
**BMP, INC.**  
 53 MT. ARCHER ROAD, LYME, CT. 06371  
 (800) 504-8008 FAX: (860)434-3195

DESCRIPTION	DATE	SCALE
18F SNOUT OIL & DEBRIS STOP	09/14/99	NONE
DRAWING NUMBER		
18F		

**CONFIGURATION DETAIL**



**TYPICAL INSTALLATION**



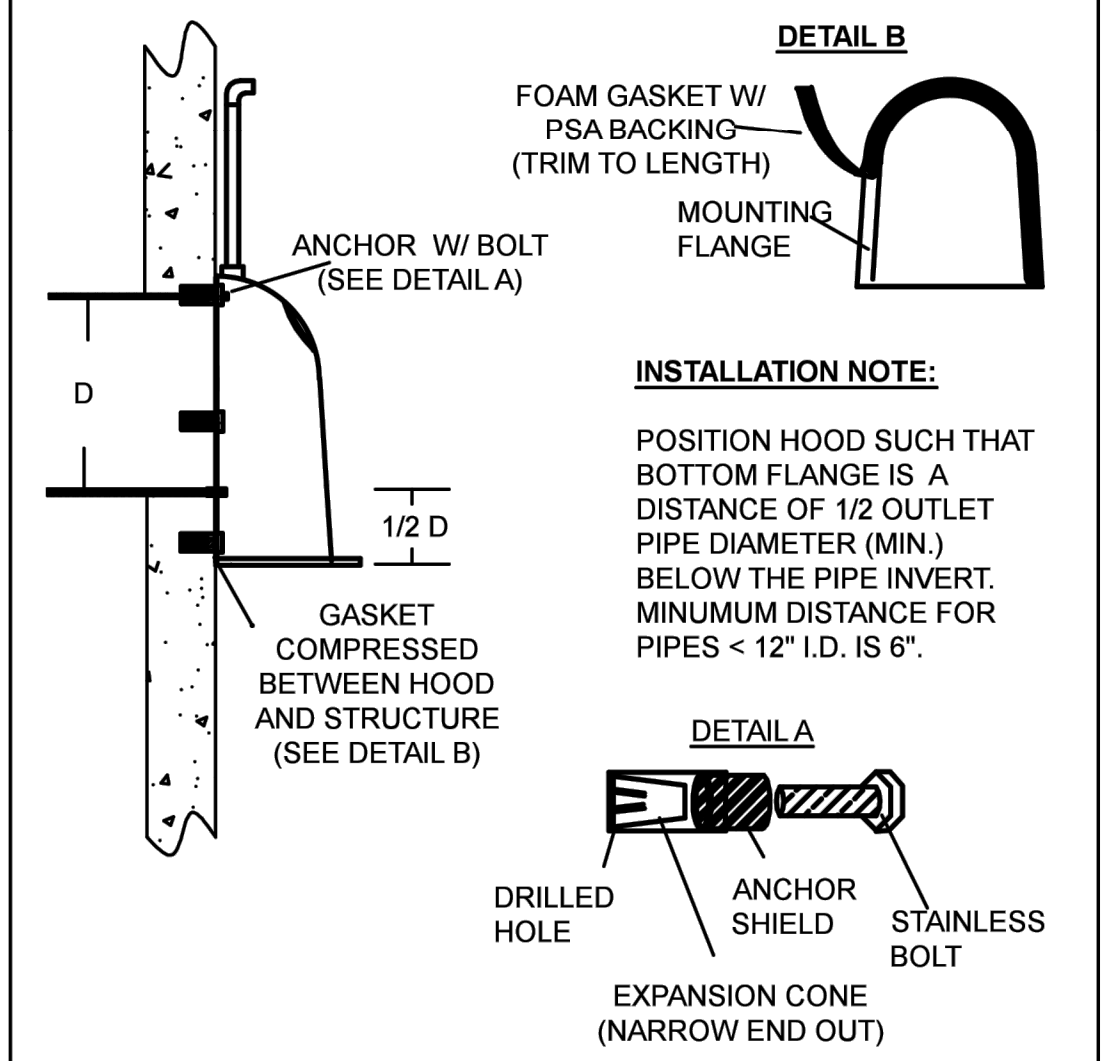
\*NOTE- SUMP DEPTH OF 36" MIN. FOR UP TO 12" ID PIPE. OUTLET. FOR PIPES 15" ID AND ABOVE SUMP DEPTH OF 2.5 TO 3 TIMES PIPE ID RECOMMENDED (E.G. 5' DEEP for 24" PIPE)

**NOTES:**

- ALL HOODS AND TRAPS FOR CATCH BASINS AND WATER QUALITY STRUCTURES SHALL BE AS MANUFACTURED BY: BEST MANAGEMENT PRODUCTS, INC. 9 MATHEWS DRIVE, UNIT A1-A2. EAST HADDAM, CT 06423. TOLL FREE: (800) 504-8008 OR (888) 434-0277, FAX: (877) 434-3197. WEB SITE: www.bmpinc.com OR PRE-APPROVED EQUAL
- ALL HOODS SHALL BE CONSTRUCTED OF A GLASS REINFORCED RESIN COMPOSITE WITH ISO GEL COAT EXTERIOR FINISH WITH A MINIMUM 0.125" LAMINATE THICKNESS.
- ALL HOODS SHALL BE EQUIPPED WITH A WATERTIGHT ACCESS PORT, A MOUNTING FLANGE, AND AN ANTI-SIPHON VENT PIPE AND ELBOW AS DRAWN. (SEE CONFIGURATION DETAIL)
- THE SIZE AND POSITION OF THE HOOD SHALL BE DETERMINED BY OUTLET PIPE SIZE AS PER MANUFACTURER'S RECOMMENDATION (SNOUT SIZE ALWAYS LARGER THAN PIPE SIZE).
- THE BOTTOM OF THE HOOD SHALL EXTEND DOWNWARD A MINIMUM DISTANCE EQUAL TO 1/2 THE OUTLET PIPE DIAMETER WITH A MINIMUM DISTANCE OF 6" FOR PIPES <12" I.D.
- THE ANTI-SIPHON VENT SHALL EXTEND ABOVE HOOD BY MINIMUM OF 3" AND A MAXIMUM OF 12" ACCORDING TO STRUCTURE CONFIGURATION.
- THE SURFACE OF THE STRUCTURE WHERE THE HOOD IS MOUNTED SHALL BE FINISHED SMOOTH AND FREE OF LOOSE MATERIAL AND PIPE SHALL BE FINISHED FLUSH TO WALL.
- ALL STRUCTURE JOINTS SHALL BE WATERTIGHT.
- THE HOOD SHALL BE SECURELY ATTACHED TO STRUCTURE WALL WITH 3/8" STAINLESS STEEL BOLTS AND OIL-RESISTANT GASKET AS SUPPLIED BY MANUFACTURER. (SEE INSTALLATION DETAIL)
- INSTALLATION INSTRUCTIONS SHALL BE FURNISHED WITH MANUFACTURER SUPPLIED INSTALLATION KIT. INSTALLATION KIT SHALL INCLUDE:  
 A. INSTALLATION INSTRUCTIONS  
 B. PVC ANTI-SIPHON VENT PIPE AND ADAPTER  
 C. OIL-RESISTANT CRUSHED CELL FOAM GASKET WITH PSA BACKING  
 D. 3/8" STAINLESS STEEL BOLTS  
 E. ANCHOR SHIELDS

US Patent # 6126817, 7951294, 7857966, 8512556  
 Canada Patent # 2285146, 2690156, 2690156 others pending

**INSTALLATION DETAIL**



**HOOD SPECIFICATION FOR CATCH BASINS AND WATER QUALITY STRUCTURES**

DESCRIPTION	DATE	SCALE
OIL- DEBRIS HOOD SPECIFICATION AND INSTALLATION (TYPICAL)	09/08/18	NONE
DRAWING NUMBER		
SP-SN		

**FREMAUX GAS STATION**  
 SLIDELL, LA  
 ST TAMMANY PARISH  
 PELICAN STATE REAL ESTATE, LLC  
 469 INDIAN VILLAGE RD.

**DDG**  
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 METAIRIE, LA  
 504.434.6565

**PRELIMINARY NOT FOR CONSTRUCTION**

PROJECT NO. 22-1344  
 FOR PERMITTING  
 01/14/2025

CHECKED \_\_\_\_\_ SMT  
 DRAWN BY \_\_\_\_\_ DTS

SHEET NAME

**DETAIL SHEET**

**C-7.5**