

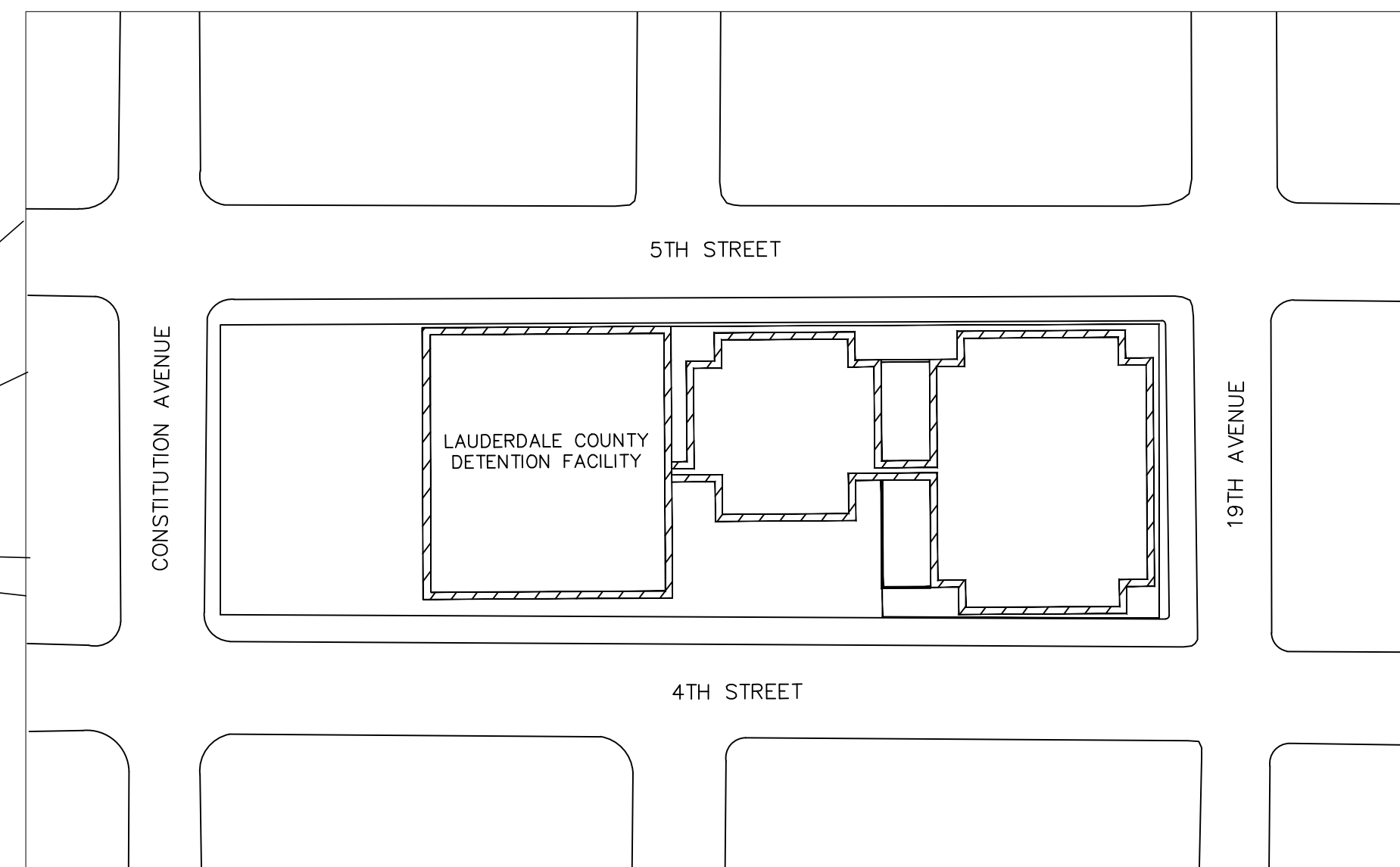
# LAUDERDALE COUNTY DETENTION FACILITY: DRAINAGE REPAIRS

LAUDERDALE COUNTY BOARD OF SUPERVISORS

LAUDERDALE COUNTY, MISSISSIPPI

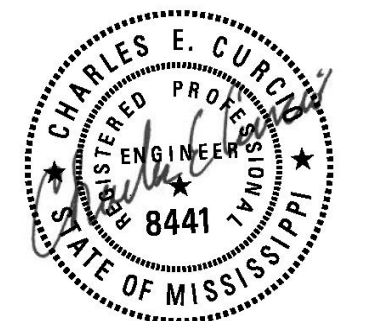


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MAY 2022  
PROJECT #0020317





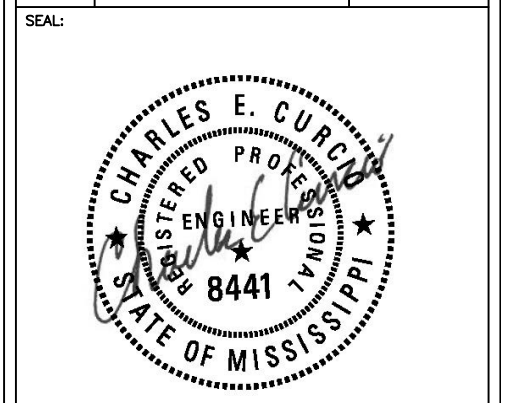
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GENERAL NOTES & INDEX

SHEET NUMBER:  
**C0.1**

INDEX TO DRAWINGS	
SHEET NO.	TITLE
	COVER SHEET
C0.1	GENERAL NOTES AND INDEX
C1.0	EXISTING CONDITIONS
C2.0	PROPOSED SITE PLAN
C3.0	TYPICAL DETAILS
C4.0	TYPICAL DETAILS

**GENERAL NOTES:**

- ALL WORK PERFORMED SHALL COMPLY WITH THE REGULATIONS AND ORDINANCES OF THE VARIOUS GOVERNMENTAL AGENCIES HAVING JURISDICTION OVER THE WORK.
- CONTRACTOR SHALL SUBMIT FOR REVIEW, TO THE OWNER'S ENGINEER, SHOP DRAWINGS ON ALL PRECAST AND MANUFACTURED ITEMS TO USE ON THIS SITE. FAILURE TO OBTAIN APPROVAL BEFORE INSTALLATION MAY RESULT IN REMOVAL AND REPLACEMENT AT CONTRACTOR'S EXPENSE. ENGINEER'S APPROVAL OF A SHOP DRAWING DOES NOT RELIEVE CONTRACTOR'S RESPONSIBILITY FOR PERFORMANCE OF THE ITEM.
- CONTRACTOR SHALL COORDINATE AND SCHEDULE HIS ACTIVITIES, WHERE NECESSARY WITH OTHER CONTRACTOR'S AND UTILITY COMPANIES.
- MATERIALS AND CONSTRUCTION METHODS FOR STREETS AND STORM DRAINAGE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LOCAL REGULATORY AGENCY.
- THE CONTRACTOR SHALL NOTIFY THE OWNER'S CONSTRUCTION MANAGER AND APPROPRIATE AGENCIES AND SUPPLY THEM WITH ALL REQUIRED SHOP DRAWINGS, THE CONTRACTOR'S NAME, STARTING DATE, PROJECTED SCHEDULE, AND OTHER INFORMATION AS REQUIRED. ANY WORK PERFORMED PRIOR TO NOTIFYING THE OWNER'S CONSTRUCTION MANAGER OR WITHOUT AGENCY INSPECTOR PRESENT MAY BE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFICATION & COORDINATION WITH THE OWNER FOR COMPLETING ALL SAMPLING AND TESTING OF MATERIALS INCORPORATED INTO THE PROJECT AND FOR SUBMISSION OF SAME TO OWNER FOR REVIEW. PRIOR USE TEST RESULTS, MANUFACTURER'S CERTIFICATES, OR PROPOSED MIX DESIGNS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW BEFORE INCORPORATION INTO THE PROJECT. THE CONTRACTOR SHALL PROVIDE SAMPLING AND TESTING FOR ALL MATERIALS INCORPORATED INTO THE PROJECT.
- TESTING CERTIFICATIONS SHALL STATE THAT THE SUBJECT MATERIAL MEETS THE SPECIFIED QUALITY, GRADE, PURITY, CLASS OR WEIGHT, OR THAT THE SUBJECT MATERIAL MEETS OR EXCEEDS THE REQUIREMENT OF THE APPLICABLE ASTM, AASHTO, MDOT OR OTHER INCORPORATION OF THE SUBJECT MATERIAL INTO THE PROJECT.
- WHERE REFERENCE IS MADE TO "NO ADDITIONAL COST TO THE OWNER", "AT THE CONTRACTORS EXPENSE", "A SUBSIDIARY OBLIGATIONS", OR " COST ABSORBED THROUGHOUT THE PLANS AND SPECIFICATIONS, IT IS UNDERSTOOD THAT THE ADDITIONAL COST ARE INCLUDED IN THE BID PRICE FOR THE VARIOUS PROJECT ITEMS.
- ALL ITEMS OF WORK CALLED FOR IN THE CONSTRUCTION DRAWINGS FOR WHICH NO SPECIFIC PAYMENT IS PROVIDED SHALL BE PERFORMED BY THE CONTRACTOR AS REQUIRED TO COMPLETE THE PROJECT DESIGNED AND INTENDED. THE COST FOR THOSE ITEMS SHALL BE INCLUDED IN THE PRICE BID FOR VARIOUS OR ASSOCIATED ITEMS.
- ALL SIGNS, FENCES, DRAINAGE STRUCTURES, OR OTHER PHYSICAL FEATURES DISTURBED OR DAMAGED DURING WORK UNDER THIS CONTRACT SHALL BE RESTORED TO THEIR ORIGINAL CONDITION OR BETTER BY THE CONTRACTOR, AT NO ADDITIONAL COST TO THE OWNER.
- NON-RUBBER TIRIED VEHICLES SHALL BE PROHIBITED ON ANY ASPHALT OR CONCRETE STREET. EXCEPTIONS MAY BE GRANTED WHERE SHORT DISTANCES AND SPECIAL CIRCUMSTANCES ARE INVOLVED. REQUEST FOR AN EXCEPTION MUST BE MADE IN WRITING AND ANY DAMAGE OCCURRING SHALL BE REPAIRED TO THE SATISFACTION OF AND AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR SHALL MAKE EVERY EFFORT TO PROTECT EACH PRIVATE UTILITY ENCOUNTERED AND COORDINATE ADJUSTMENTS AND/OR UTILITY RELOCATION WITH UTILITY OWNERS. ANY DAMAGES DONE TO UTILITIES SHALL BE REPLACED OR REPAIRED AT THE CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING PIPES AND UTILITIES PRIOR TO CONSTRUCTION.
- THE ENGINEER WILL NOT BE RESPONSIBLE FOR MEANS, METHODS, PROCEDURES, TECHNIQUES, OR SEQUENCES OF CONSTRUCTION THAT ARE NOT SPECIFIED HEREIN.

**EROSION CONTROL NOTES:**

- PROVISIONS TO PREVENT EROSION OF SOIL FROM SITE SHALL BE, AT MINIMUM, IN CONFORMANCE WITH THE REQUIREMENTS OF THE MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY, BEST MANAGEMENT PRACTICES MANUAL.
- PRIOR TO CONSTRUCTION, THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THE EROSION CONTROL PLAN SHALL BE IN PLACE. CLEARING AND GRUBBING OPERATIONS WILL BE ENGAGED IN ONLY AS NECESSARY TO ALLOW THE PLACEMENT OF EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN ON THE EROSION CONTROL PLAN UNTIL ALL SUCH MEASURES ARE IN PLACE.
- CONTRACTOR SHALL MAINTAIN EROSION CONTROL FACILITIES DURING THE ENTIRE CONSTRUCTION PERIOD. FACILITIES ARE NOT TO BE REMOVED UNTIL COMPLETION OF THE PROJECT AND THE SITE IS STABILIZED.
- ADDITIONAL DEVICES MAY BE REQUIRED AS DEEMED NECESSARY BY GOVERNING AUTHORITIES.
- SILT FENCES SHALL BE CLEANED OR REPLACED WHEN TRAPPED SEDIMENT REACHES 50 PERCENT OF THE ABOVE GROUND FENCE HEIGHT OR A LOWER HEIGHT BASED ON MANUFACTURER'S SPECIFICATIONS.
- SEDIMENT AND EROSION CONTROL MEASURES WILL BE INSPECTED ON A DAILY BASIS AND 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.
- ALL DISTURBED AREAS SHALL BE STABILIZED AS REQUIRED BY FEDERAL, REGIONAL, STATE AND LOCAL AGENCIES.
- 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 AND PERMANENT SLOPES DURING CONSTRUCTION SO THAT WATER IS NOT ALLOWED TO FLOW OVER THE SLOPE FACE.
- THE CONTRACTOR SHALL CONSTRUCT THE SILT FENCING AS SHOWN ON THE EROSION CONTROL PLAN PRIOR TO LAND CLEARING ACTIVITIES.
- CONTRACTOR SHALL MAINTAIN SILT FENCES FOR THE DURATION OF THE PROJECT UNTIL ACCEPTED BY THE OWNER AT NO EXPENSE TO OWNER.
- CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE COMPLIANCE WITH ALL NPDES AND MDEQ STORMWATER REQUIREMENTS.
- ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED UPON FINAL STABILIZATION OF THE SITE AND FILING OF NOTICE OF TERMINATION. IF NECESSARY, CONTRACTOR SHALL STABILIZE AREAS DISTURBED BY THIS REMOVAL OF THESE EROSION CONTROL MEASURES.
- CONTRACTOR SHALL PROVIDE SILT FENCE AND OTHER NECESSARY EROSION CONTROL MEASURES TO PREVENT THE SPREAD OF SEDIMENT AROUND ALL STOCKPILES.
- ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 21 DAYS SHALL BE STABILIZED WITH TEMPORARY SEEDING.
- CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT ALL SLOPES AND CHANNEL FLOW LINES UNTIL VEGETATIVE COVER IS ESTABLISHED. ANY REGADING AND REPLANTING OF WASHED SURFACES SHALL BE PERFORMED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

**REQUEST FOR INFORMATION (RFI):**

- CLARIFICATION REGARDING THESE PLANS SHALL BE REQUESTED IN WRITING TO THE OWNER'S CONSTRUCTION PROJECT MANAGER AT LEAST THREE (3) DAYS PRIOR TO NEEDING THE CLARIFICATION SO AS NOT TO DELAY THE PROJECT AS A RESULT OF THE REQUEST. THE REQUEST IS DEEMED SUBMITTED ONLY WHEN ACKNOWLEDGED BY THE OWNER'S CONSTRUCTION PROJECT MANAGER TO THE CONTRACTOR. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACTIVELY SOLICIT AN ACKNOWLEDGEMENT OF THE REQUEST FOR INFORMATION FROM THE OWNER'S CONSTRUCTION PROJECT MANAGER. THE CONTRACTOR SHALL NOT PROCEED WITH ANY WORK SUBJECT TO THE REQUEST FOR INFORMATION WITHOUT HAVING RECEIVED A RESPONSE FROM THE OWNER'S CONSTRUCTION PROJECT MANAGER.

**STORM DRAINAGE NOTES:**

- ALL PIPES ENTERING STORM SEWER STRUCTURES SHALL BE SEALED TO ASSURE CONNECTION AT STRUCTURE IS WATER TIGHT.
- THE FAILURE OF THE ENGINEER TO ORDER THE USE OF BRACING OR SHEETING OR THE FAILURE TO ORDER SHEETING, BRACING, STRUTS, OR SHORING TO BE LEFT IN PLACE, SHALL NOT IN ANY WAY OR TO ANY EXTENT RELIEVE THE CONTRACTOR OF ANY RESPONSIBILITY CONCERNING THE CONDITION OF ANY EXCAVATION. ANY DELAY RESULTING IN KEEPING THE EXCAVATION OPEN LONGER THAN WOULD HAVE OTHERWISE BEEN NECESSARY, SHALL NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR PROPERLY AND ADEQUATELY PROTECTING THE EXCAVATION FROM CAVING OR SLIPPING AT ALL TIMES, NOR FROM ANY OF HIS OBLIGATIONS UNDER THE CONTRACT RELATING TO INJURY OF PERSONS OR PROPERTY.
- DURING EXCAVATION, MATERIAL SUITABLE FOR BACKFILLING IN THE OPINION OF THE ENGINEER SHALL BE STOCK PILED IN AN ORDERLY MANNER A SUFFICIENT DISTANCE FROM THE BANKS OF TRENCH TO AVOID OVERLOADING AND TO PREVENT SLIDES OR CAVE INS. ALL EXCAVATED MATERIALS NOT REQUIRED OR NOT SUITABLE FOR BACKFILL SHALL BE REMOVED AND WASTED AS APPROVED BY THE ENGINEER. SUCH GRADING SHALL BE DONE AS MAY BE NECESSARY TO PREVENT SURFACE WATER FROM FLOWING INTO TRENCHES OR OTHER EXCAVATIONS, AND ANY WATER ACCUMULATING THEREIN SHALL BE REMOVED BY PUMPING OR BY OTHER APPROVED METHOD.
- PIPE LAYING SHALL PROCEED UPGRADE WITH THE SPIGOT ENDS OF BELL AND SPIGOT PIPE AND TONGUE ENDS OF TONGUE AND GROOVE POINTING IN THE DIRECTION OF FLOW IN THE CASE OF CONCRETE PIPE. CORRUGATED METAL PIPE SHALL BE LAID WITH OUTSIDE LAPS OF CIRCUMFERENTIAL JOINTS POINTING UPSTREAM AND WITH LONGITUDINAL LAPS ON THE SIDE. CORRUGATED POLYPROPYLENE PIPE SHALL BE INSTALLED IN ACCORDANCE WITH ASTM RECOMMENDED PRACTICE D-2321 AND IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- EACH PIPE SHALL BE LAID TRUE TO LINE AND GRADE AND IN SUCH MANNER AS TO FORM A CLOSE CONCENTRIC JOINT WITH THE ADJOINING PIPE AND TO AVOID SUDDEN OFF SETS OF THE FLOW LINE. AS THE WORK PROGRESSES, THE INTERIOR OF THE PIPE SHALL BE CLEARED OF ALL DIRT AND SUPERFLUOUS MATERIALS OF EVERY DESCRIPTION.
- TRENCHES SHALL BE KEPT FREE OF WATER AND PIPE SHALL NOT BE LAID WHEN THE CONDITION OF THE TRENCH OR THE WEATHER IS UNSUITABLE FOR SUCH WORK.
- PIPE SHALL BE PLUGGED OR SEALED AT THE END OF WORK DAY TO INHIBIT THE ENTRANCE OF FOREIGN OBJECTS INTO THE LINE.
- JOINTS:
  - CORRUGATED POLYPROPYLENE PIPE: JOINTS SHALL BE MADE WITH SPLIT COUPLINGS CORRUGATED TO ENGAGE THE PIPE CORRUGATIONS, AND SHALL ENGAGE A MINIMUM OF 4 CORRUGATIONS, 2 ON EACH SIDE OF JOINT. A NEOPRENE GASKET SHALL BE UTILIZED WITH THE COUPLING TO PROVIDE A SOIL TIGHT JOINT.

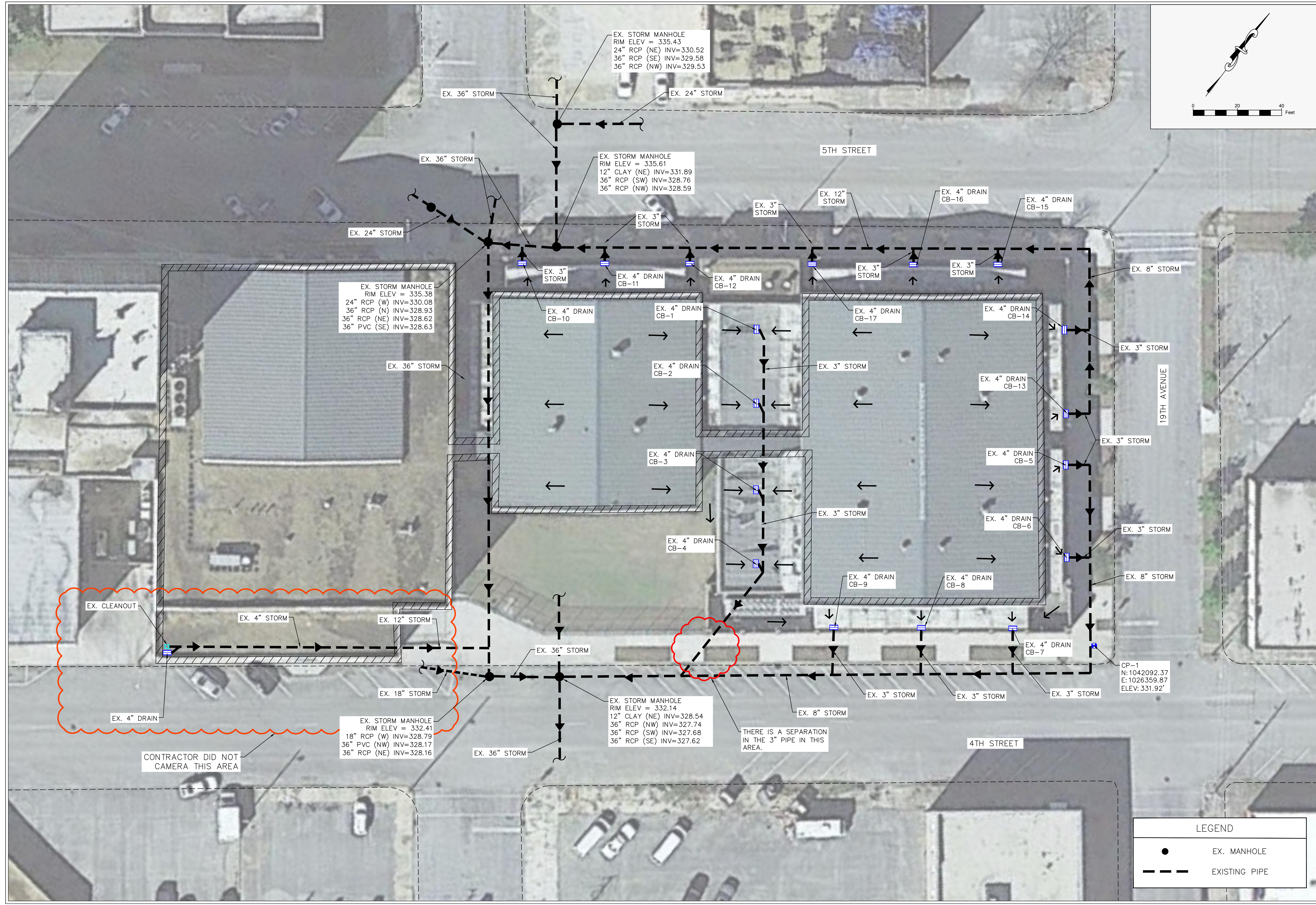
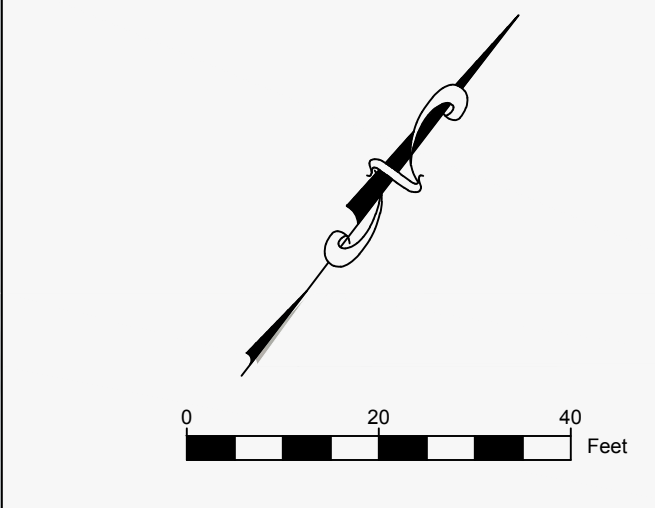
**UTILITY NOTES:**

- CONTRACTOR IS RESPONSIBLE FOR VERIFYING SIZE, TYPE, DEPTH AND HORIZONTAL LOCATION OF ALL UTILITIES AND NOTIFYING THE APPROPRIATE UTILITY COMPANY PRIOR TO BEGINNING CONSTRUCTION.
- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, 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 SHOWN ON THE PLANS.
- CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING STORM SEWER STRUCTURES, PIPES, AND ALL UTILITIES PRIOR TO CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR REPAIRS OF DAMAGE TO ANY EXISTING IMPROVEMENTS DURING CONSTRUCTION, SUCH AS, BUT NOT LIMITED TO, UTILITIES, PAVEMENT, STRIPING, ETC. REPAIRS SHALL BE EQUAL TO OR BETTER THAN EXISTING CONDITIONS.
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ANY AND ALL EXPENSES THAT RESULT FROM DELAYED OR FAILED TEST DURING ANY PHASE OF THE CONSTRUCTION PROCESS. THIS INCLUDES FEES INCURRED THROUGH RESCHEDULING OF ANY OWNER VENDORS OR EQUIPMENT TO ACCOMMODATE.
- EXISTING SANITARY SEWER MANHOLE TOPS, WATER VALVES, VALVE BOXES, METERS, STORM SEWER OR OTHER RELATED APPURTENANCES SHALL, WHEN REQUIRED, BE ADJUSTED TO FINISHED GRADE BY CONTRACTOR AS AN ABSORBED COST OF THE WORK. CASTINGS REQUIRED TO BE REMOVED SHALL BE SALVAGED TO THE OWNER BY THE CONTRACTOR.

**NOTE:**

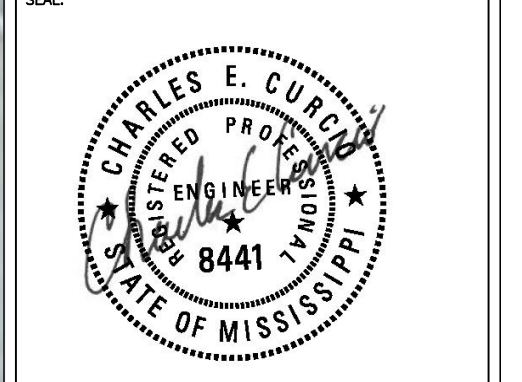
- ALL PIPE FITTINGS AND GUTTER STRAPPINGS ARE TO BE AN ABSORBED COST





LAUDERDALE COUNTY DETENTION FACILITY  
 DRAINAGE REPAIRS  
 LAUDERDALE COUNTY, MS  
 PROJECT# 0020317.000

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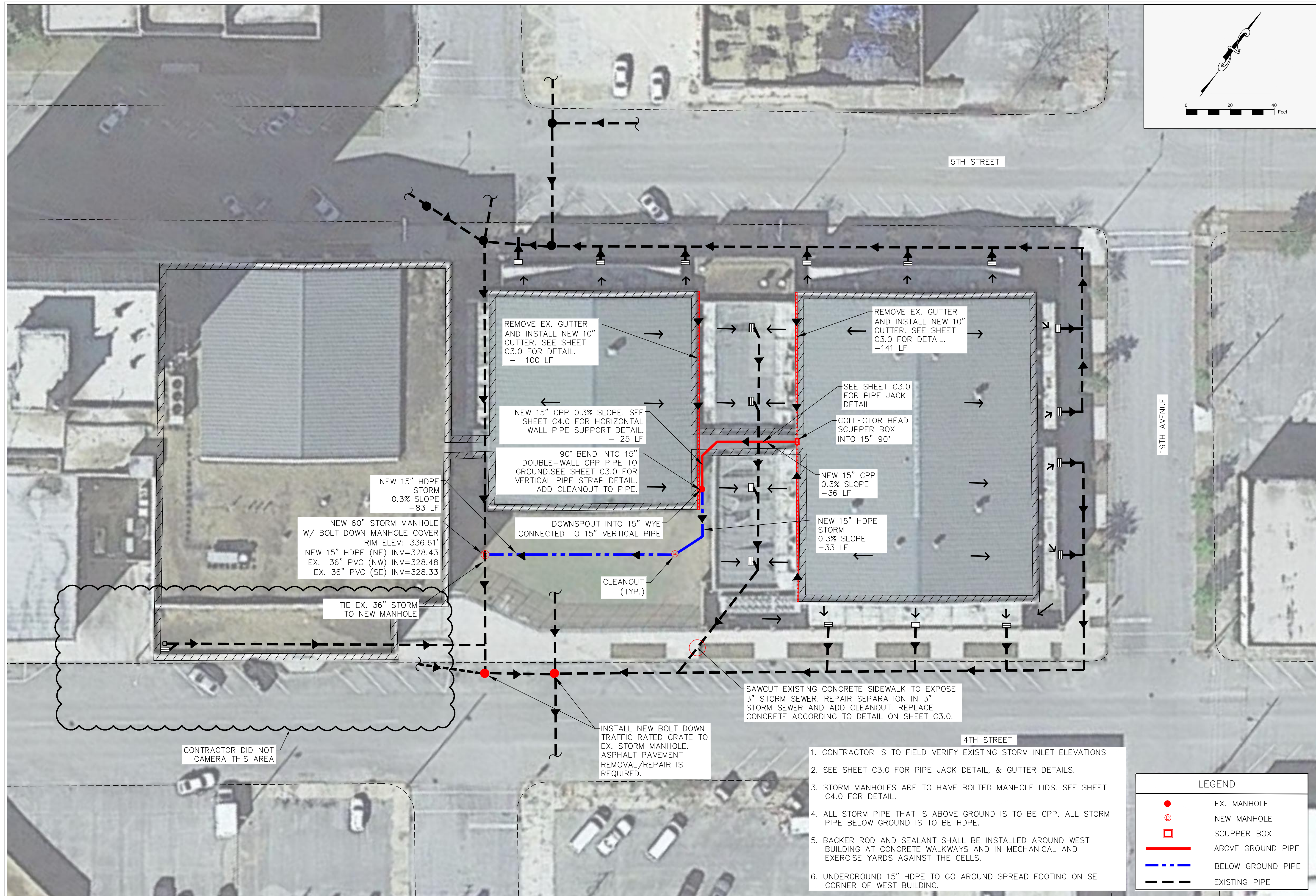
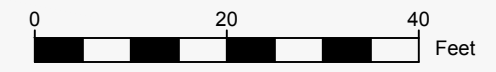


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 DESIGNED BY: CC      DATE: MAY 2022  
 CHECKED BY: CC      PROJECT: 0020317.000  
 DRAWING TITLE:

LEGEND	
●	EX. MANHOLE
---	EXISTING PIPE

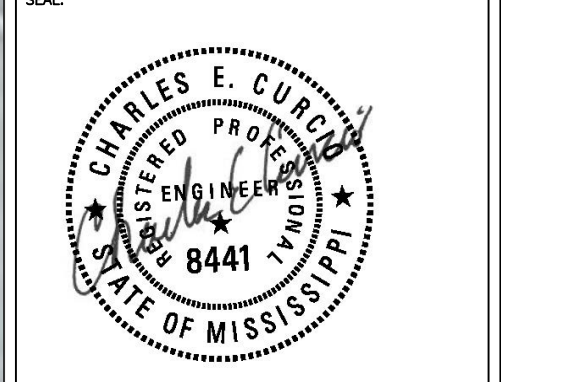
EXISTING CONDITIONS  
 SHEET NUMBER:  
**C1.0**





**LAUDERDALE COUNTY DETENTION FACILITY**  
**DRAINAGE REPAIRS**  
**LAUDERDALE COUNTY, MS**  
**PROJECT# 0020317.000**

DRAWING REVISIONS		
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- CONTRACTOR IS TO FIELD VERIFY EXISTING STORM INLET ELEVATIONS
- SEE SHEET C3.0 FOR PIPE JACK DETAIL, & GUTTER DETAILS.
- STORM MANHOLES ARE TO HAVE BOLTED MANHOLE LIDS. SEE SHEET C4.0 FOR DETAIL.
- ALL STORM PIPE THAT IS ABOVE GROUND IS TO BE CPP. ALL STORM PIPE BELOW GROUND IS TO BE HDPE.
- BACKER ROD AND SEALANT SHALL BE INSTALLED AROUND WEST BUILDING AT CONCRETE WALKWAYS AND IN MECHANICAL AND EXERCISE YARDS AGAINST THE CELLS.
- UNDERGROUND 15" HDPE TO GO AROUND SPREAD FOOTING ON SE CORNER OF WEST BUILDING.

LEGEND	
●	EX. MANHOLE
⊙	NEW MANHOLE
□	SCUPPER BOX
—	ABOVE GROUND PIPE
- - -	BELOW GROUND PIPE
- - - -	EXISTING PIPE

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 DRAWING TITLE:  
**PROPOSED SITE PLAN**  
 SHEET NUMBER:  
**C2.0**

CONTRACTOR DID NOT CAMERA THIS AREA

INSTALL NEW BOLT DOWN TRAFFIC RATED GRATE TO EX. STORM MANHOLE. ASPHALT PAVEMENT REMOVAL/REPAIR IS REQUIRED.

SAWCUT EXISTING CONCRETE SIDEWALK TO EXPOSE 3" STORM SEWER. REPAIR SEPARATION IN 3" STORM SEWER AND ADD CLEANOUT. REPLACE CONCRETE ACCORDING TO DETAIL ON SHEET C3.0.

NEW 60" STORM MANHOLE W/ BOLT DOWN MANHOLE COVER  
 RIM ELEV: 336.61'  
 NEW 15" HDPE (NE) INV=328.43  
 EX. 36" PVC (NW) INV=328.48  
 EX. 36" PVC (SE) INV=328.33

NEW 15" CPP 0.3% SLOPE. SEE SHEET C4.0 FOR HORIZONTAL WALL PIPE SUPPORT DETAIL. - 25 LF

90° BEND INTO 15" DOUBLE-WALL CPP PIPE TO GROUND. SEE SHEET C3.0 FOR VERTICAL PIPE STRAP DETAIL. ADD CLEANOUT TO PIPE.

DOWNSPOUT INTO 15" WYE CONNECTED TO 15" VERTICAL PIPE

CLEANOUT (TYP.)

NEW 15" HDPE STORM 0.3% SLOPE -83 LF

REMOVE EX. GUTTER AND INSTALL NEW 10" GUTTER. SEE SHEET C3.0 FOR DETAIL. - 100 LF

REMOVE EX. GUTTER AND INSTALL NEW 10" GUTTER. SEE SHEET C3.0 FOR DETAIL. -141 LF

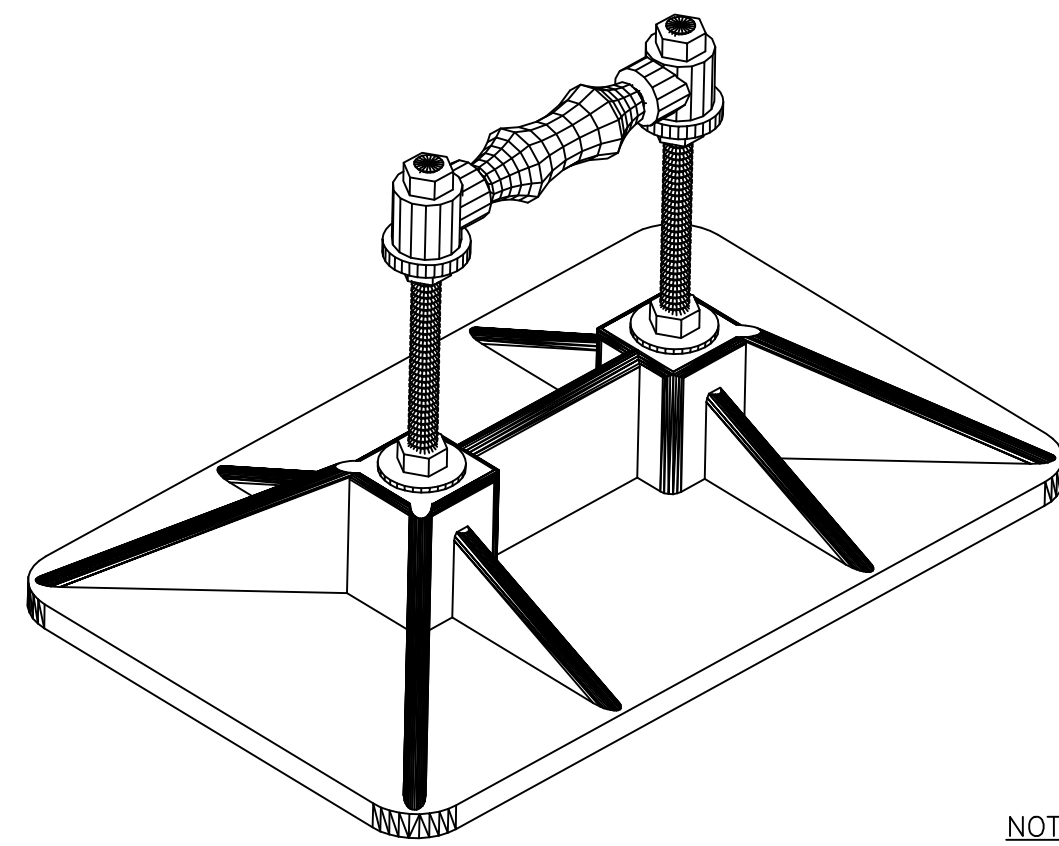
SEE SHEET C3.0 FOR PIPE JACK DETAIL

COLLECTOR HEAD SCUPPER BOX INTO 15" 90°

NEW 15" CPP 0.3% SLOPE -36 LF

NEW 15" HDPE STORM 0.3% SLOPE -33 LF

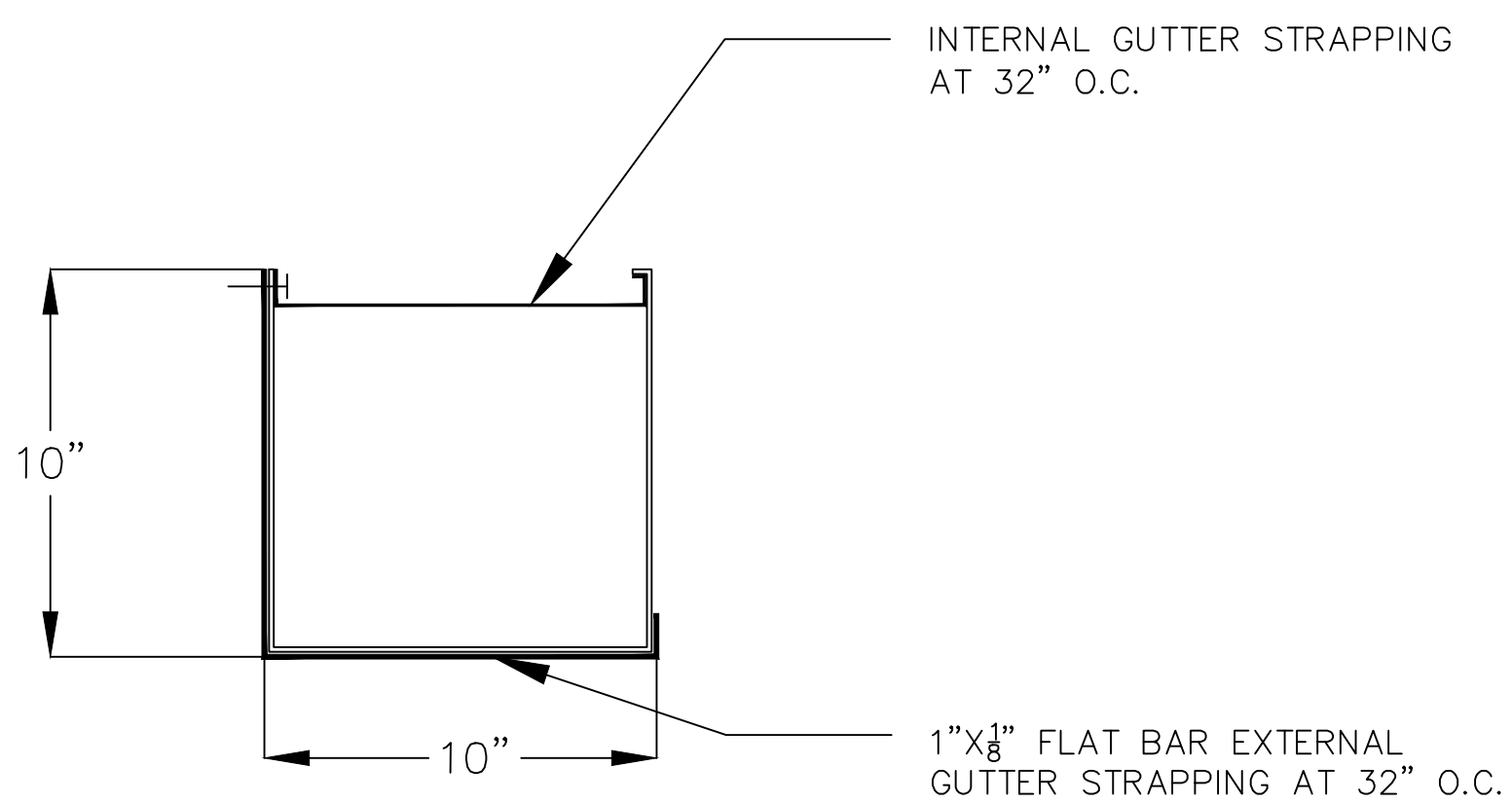
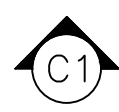




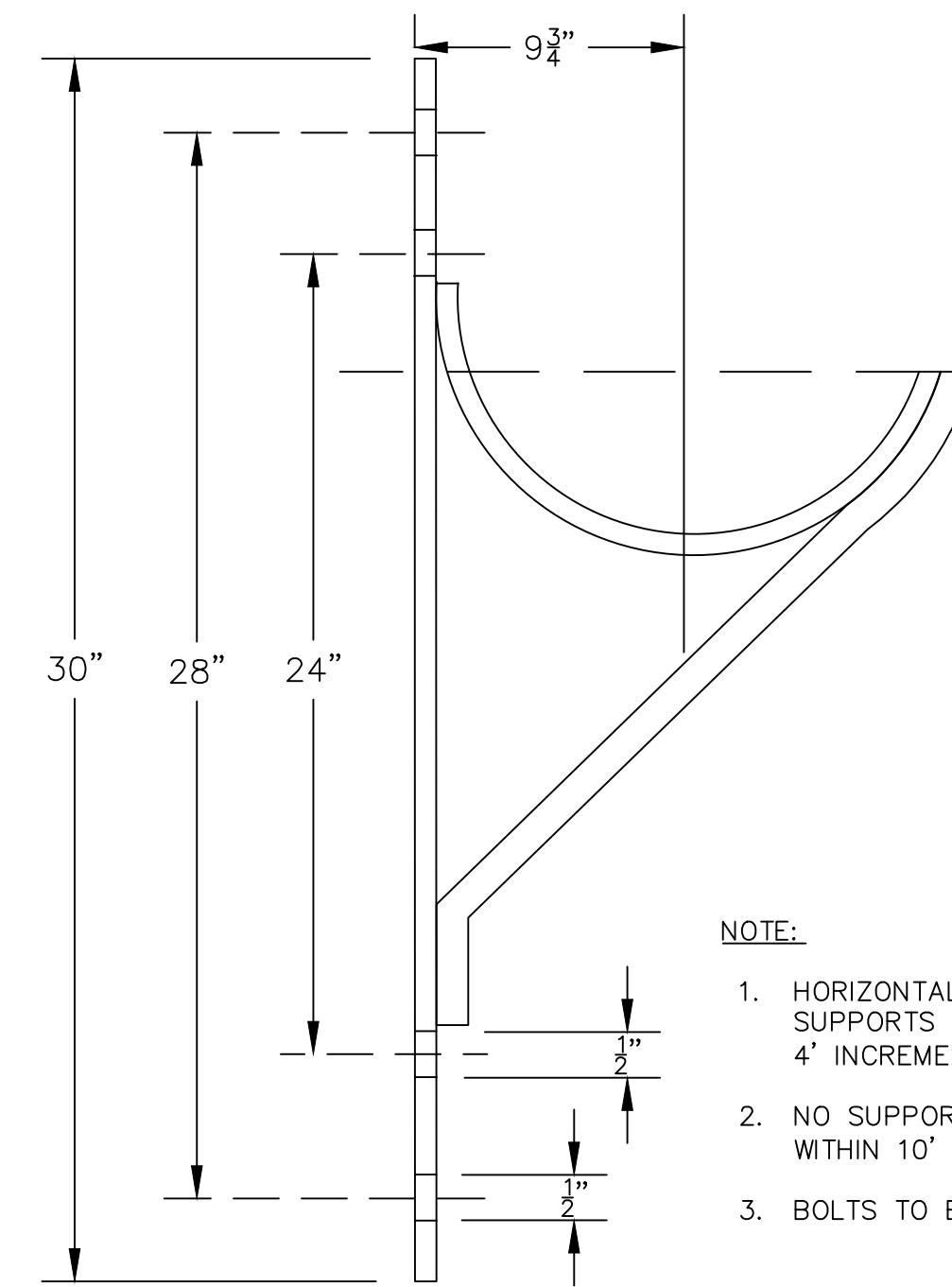
**NOTE:**

- PIPE JACKS ARE TO BE PLACED AT 6' INTERVALS TO STABILIZE THE STORM PIPE.
- CONTRACTOR TO USE PHP SYSTEM PP10 WITH ROLLER OR APPROVED EQUAL.

PIPE JACK DETAIL  
NOT TO SCALE



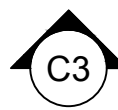
10" GUTTER DETAIL  
NOT TO SCALE



**NOTE:**

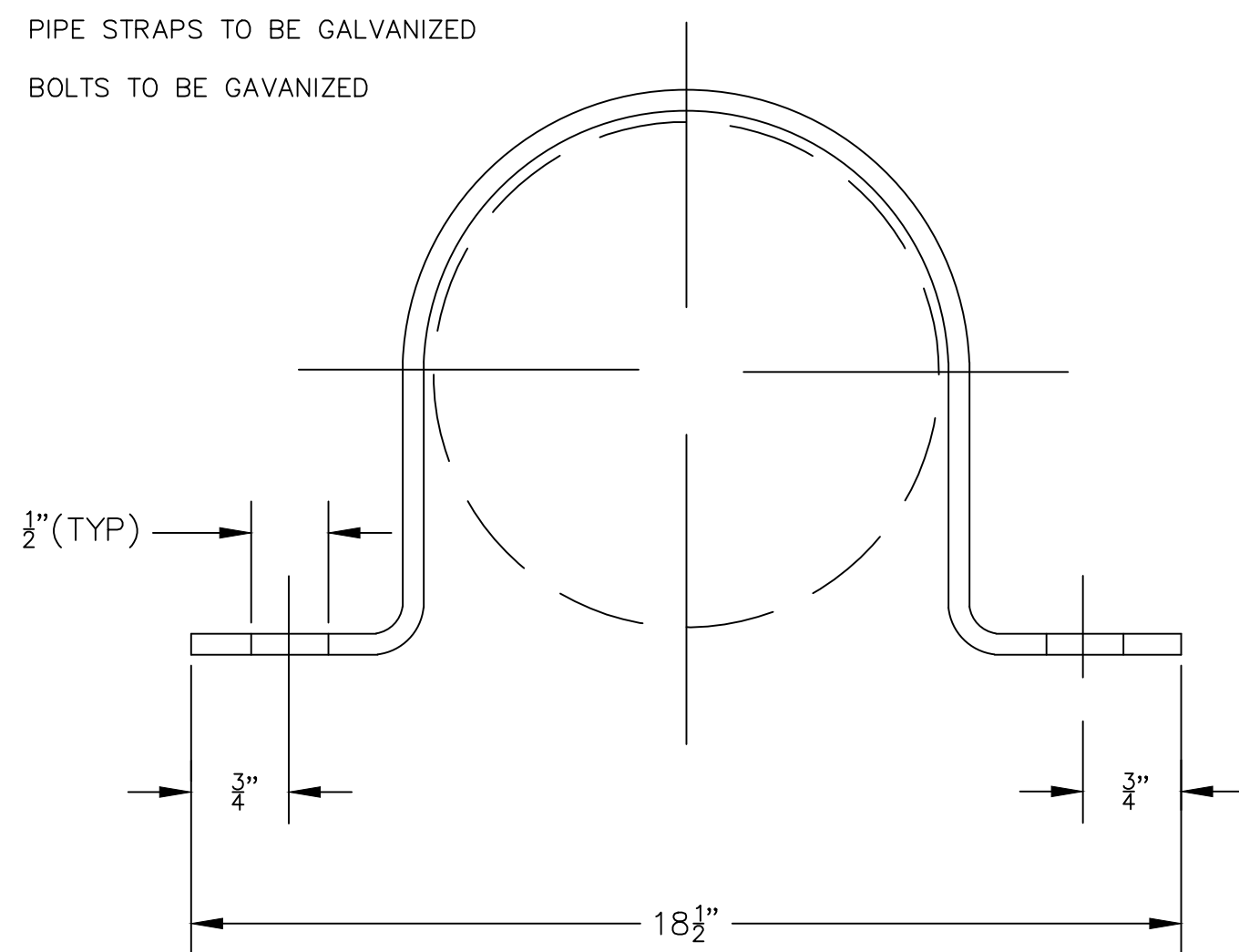
1. HORIZONTAL WALL PIPE SUPPORTS TO BE SPACED AT 4' INCREMENTS
2. NO SUPPORTS TO BE PLACED WITHIN 10' OF GROUND LEVEL
3. BOLTS TO BE GALVANIZED.

HORIZONTAL WALL PIPE SUPPORT DETAIL  
SCALE: N.T.S.

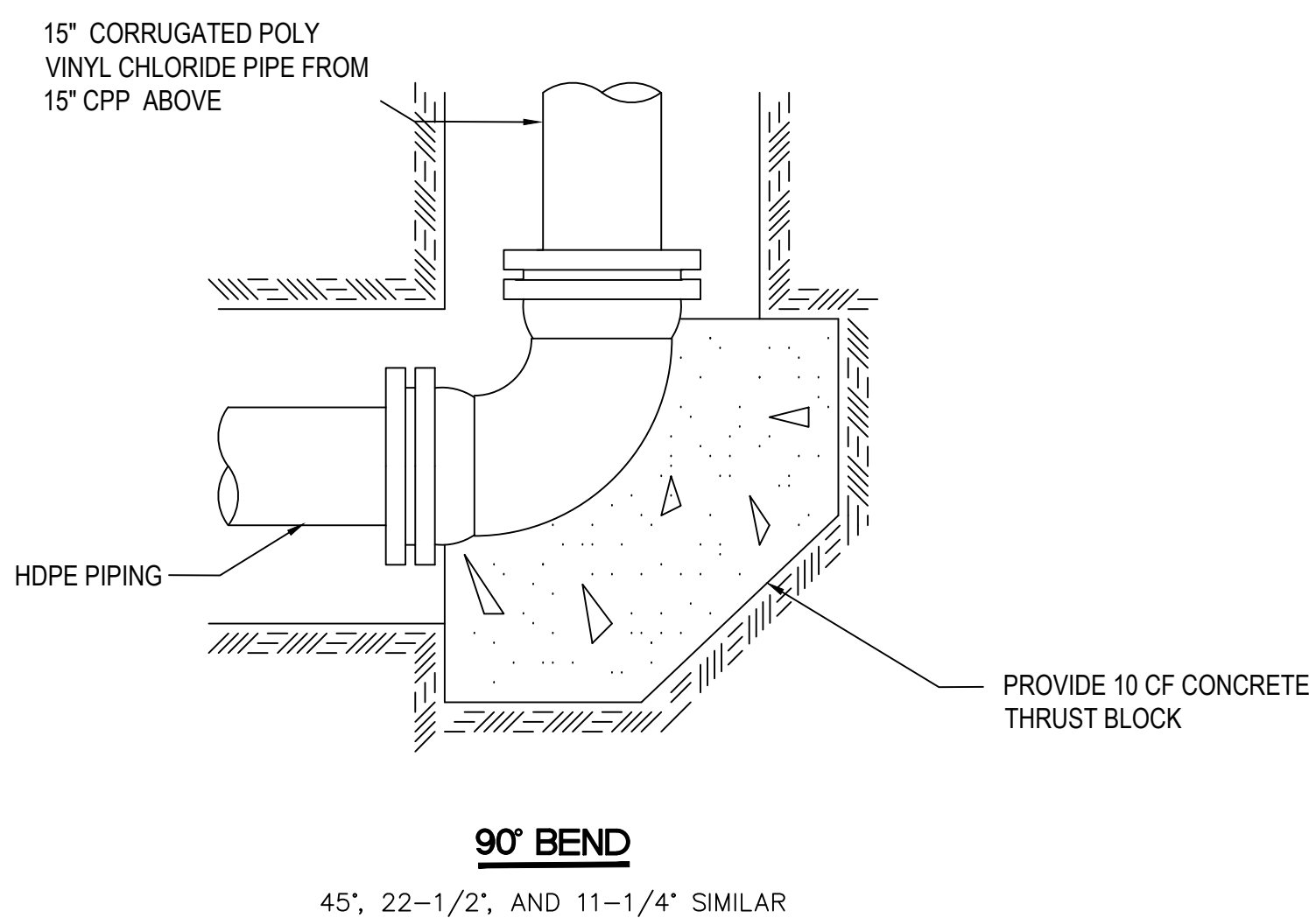


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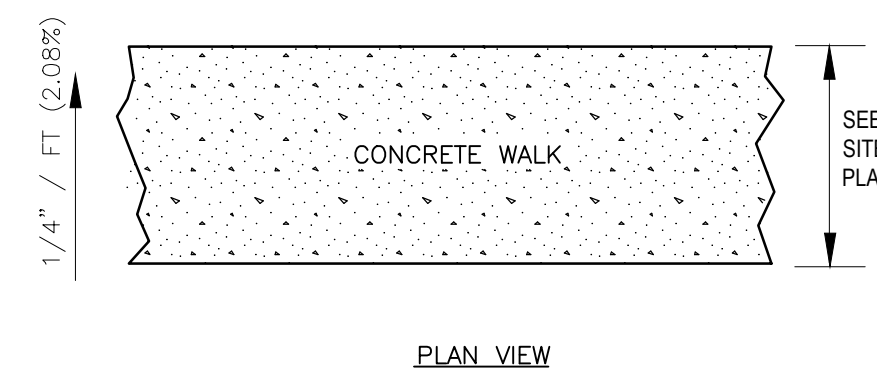
1. VERTICAL PIPE STRAPS TO BE SPACED AT 4' INCREMENTS
2. PIPE STRAPS TO BE GALVANIZED
3. BOLTS TO BE GALVANIZED



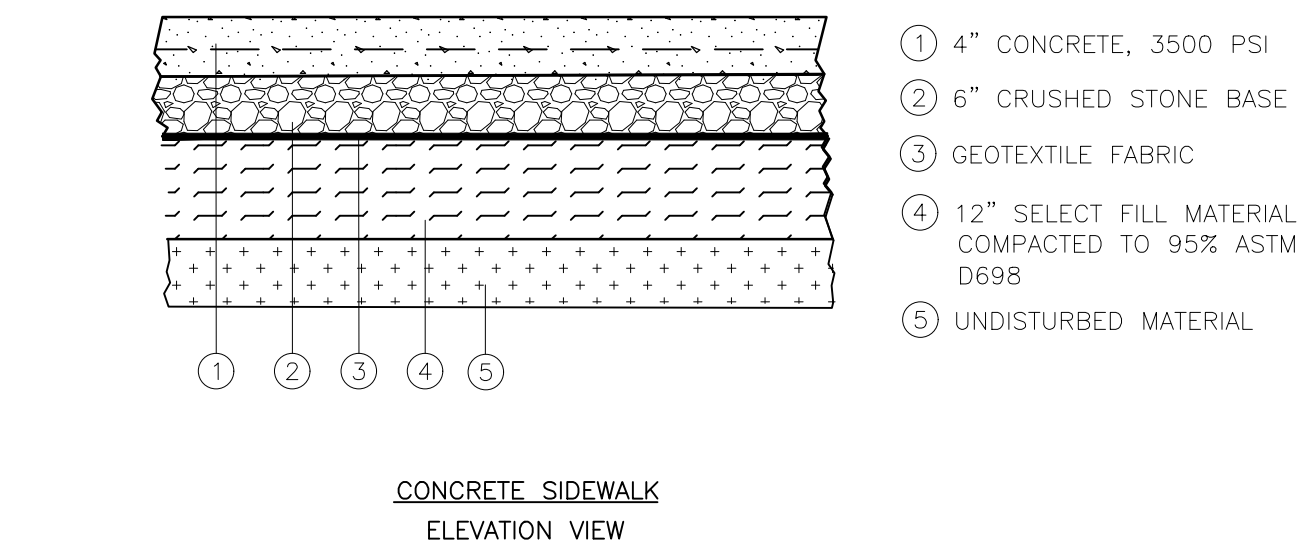
VERTICAL PIPE STRAP DETAIL  
SCALE: N.T.S.



DOWN PIPE DETAIL  
NOT TO SCALE



REINFORCE WITH W1.4X1.4 SMOOTH BAR SHEETS (NOT ROLLS). PLACE TOOLED CONTROL JOINTS @ 5' O.C. AND SEALED EXPANSION JOINTS @ 30' O.C. REINFORCING SHALL BE PLACED @ MID-DEPTH OF SLAB.



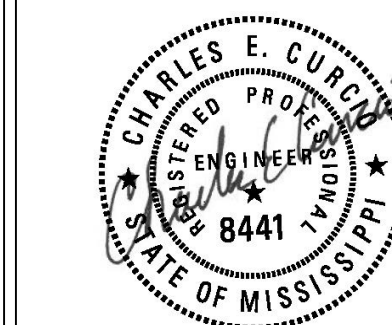
SIDEWALK DETAILS  
NOT TO SCALE



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NO.	REMARKS	DATE

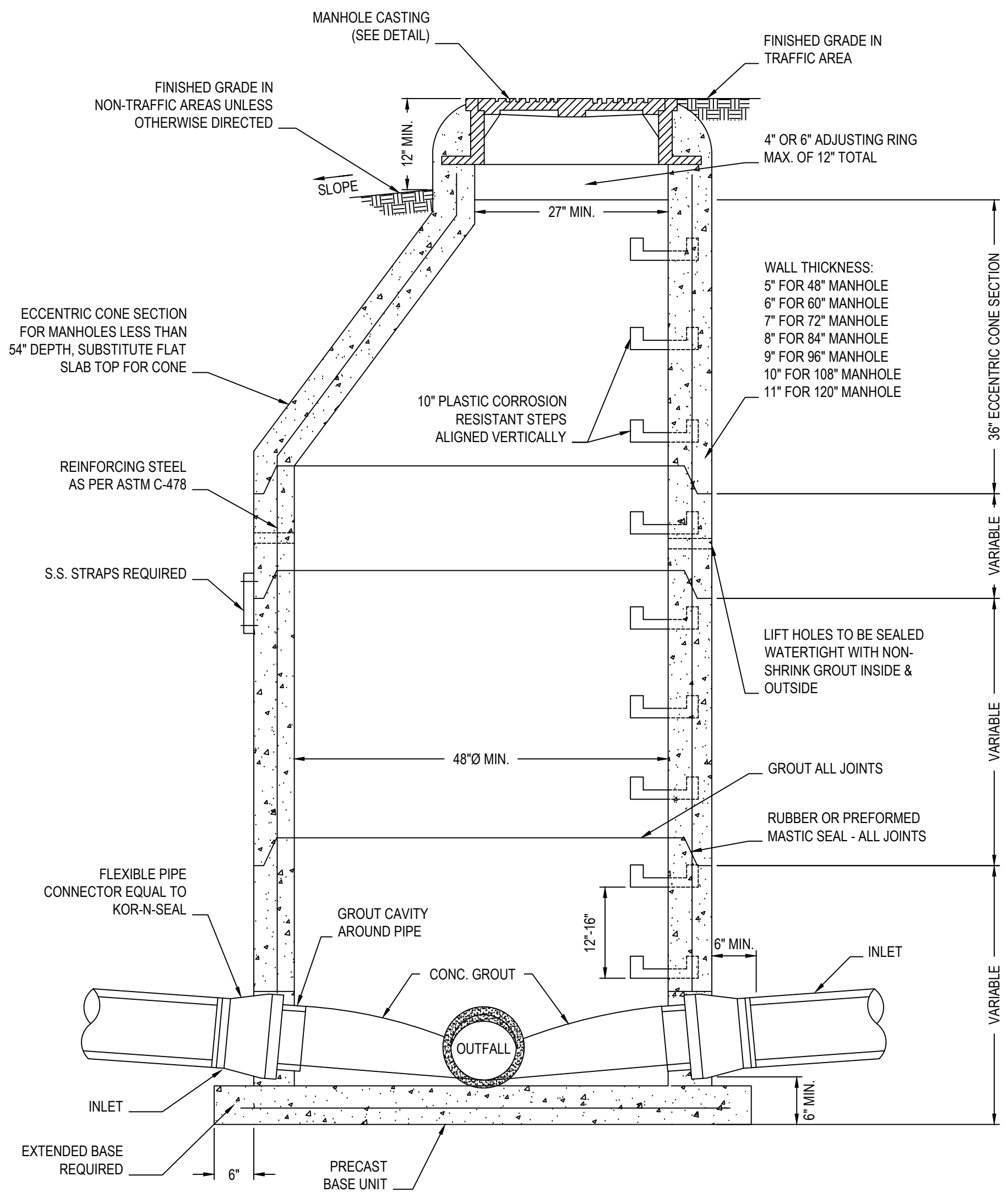
SEAL:



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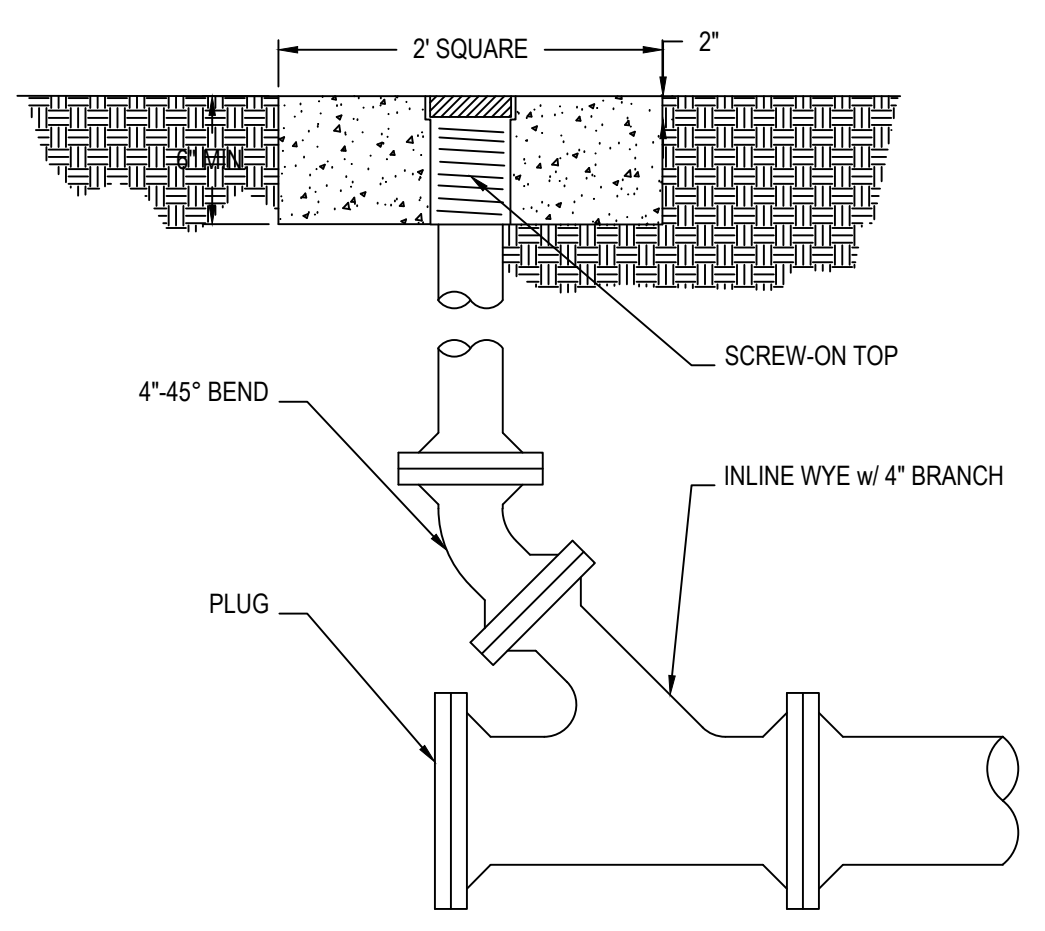
TYPICAL DETAILS

SHEET NUMBER:

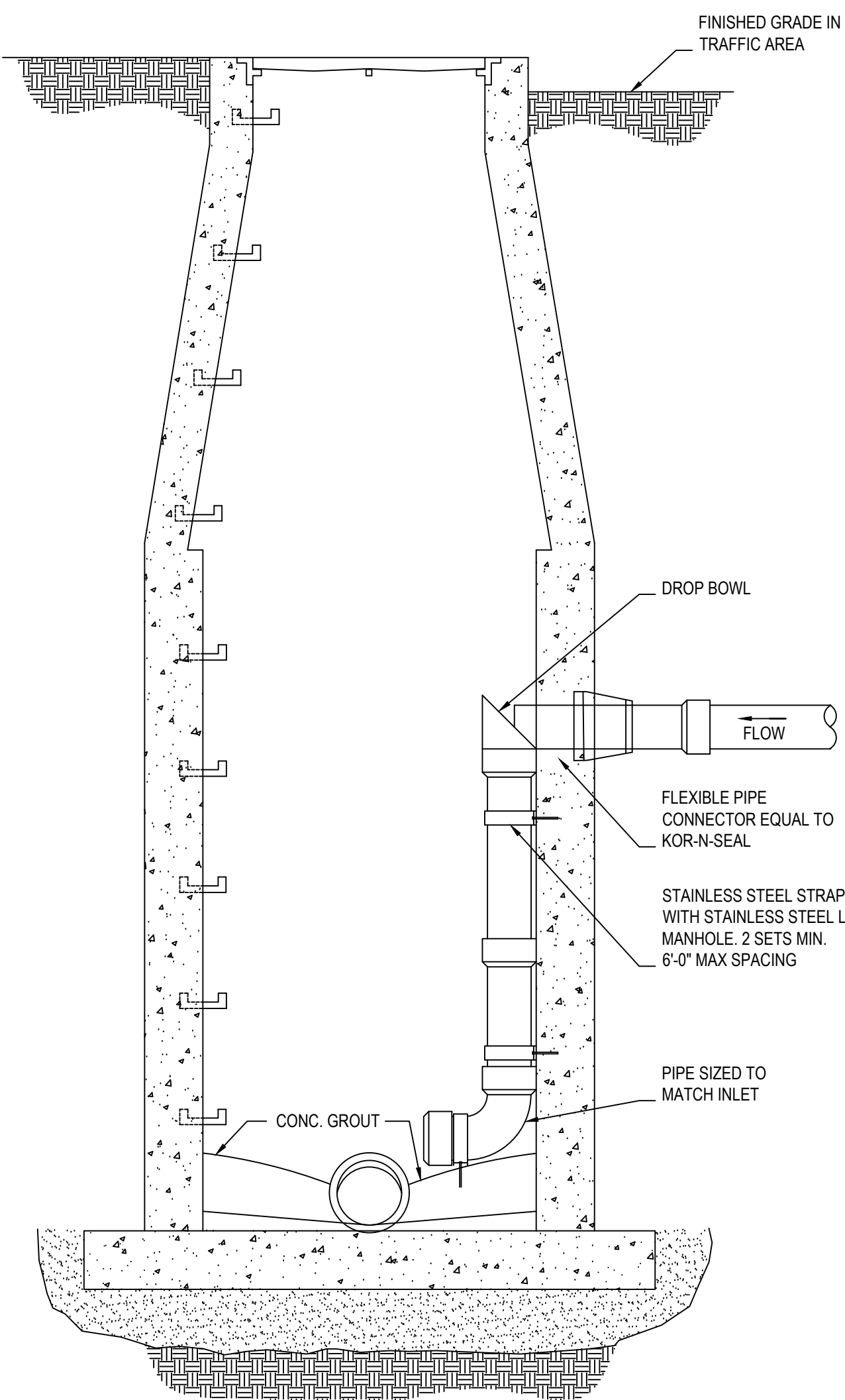


SECTION - PRECAST CONC. MANHOLE  
SCALE: N.T.S.

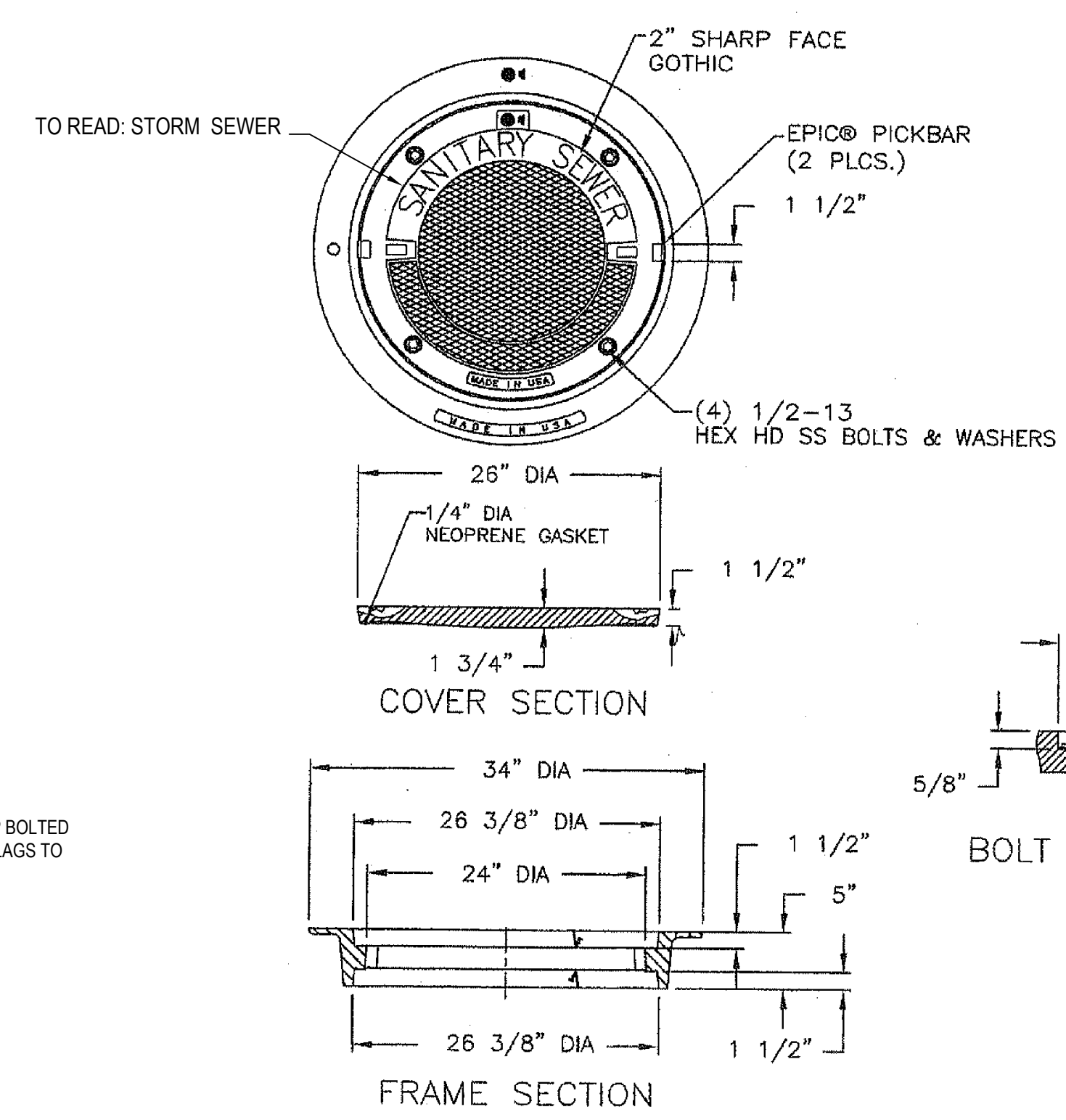
- MANHOLE CONSTRUCTION NOTES**
1. MANHOLES SHALL BE 48" DIAMETER FOR ALL SEWER LINES 15" AND LESS, UNLESS ACUTE ANGLES OF PIPE ENTERING MANHOLE AT CO-ELEVATIONS REQUIRE LARGER MANHOLES.
  2. MANHOLES SHALL BE 60" DIAMETER FOR SEWER LINES 15" TO 36", UNLESS ACUTE ANGLES OF PIPE REQUIRE LARGER MANHOLES.
  3. MANHOLE ELEVATIONS IN EXISTING SEWER LINE ARE AS FURNISHED BY OWNER FROM A PRIOR GIS SURVEY AND AS SUCH ARE OFFERED AS INFORMATION ONLY. ELEVATIONS HAVE NOT BEEN VERIFIED.



CLEAN-OUT DETAIL  
SCALE: N.T.S.

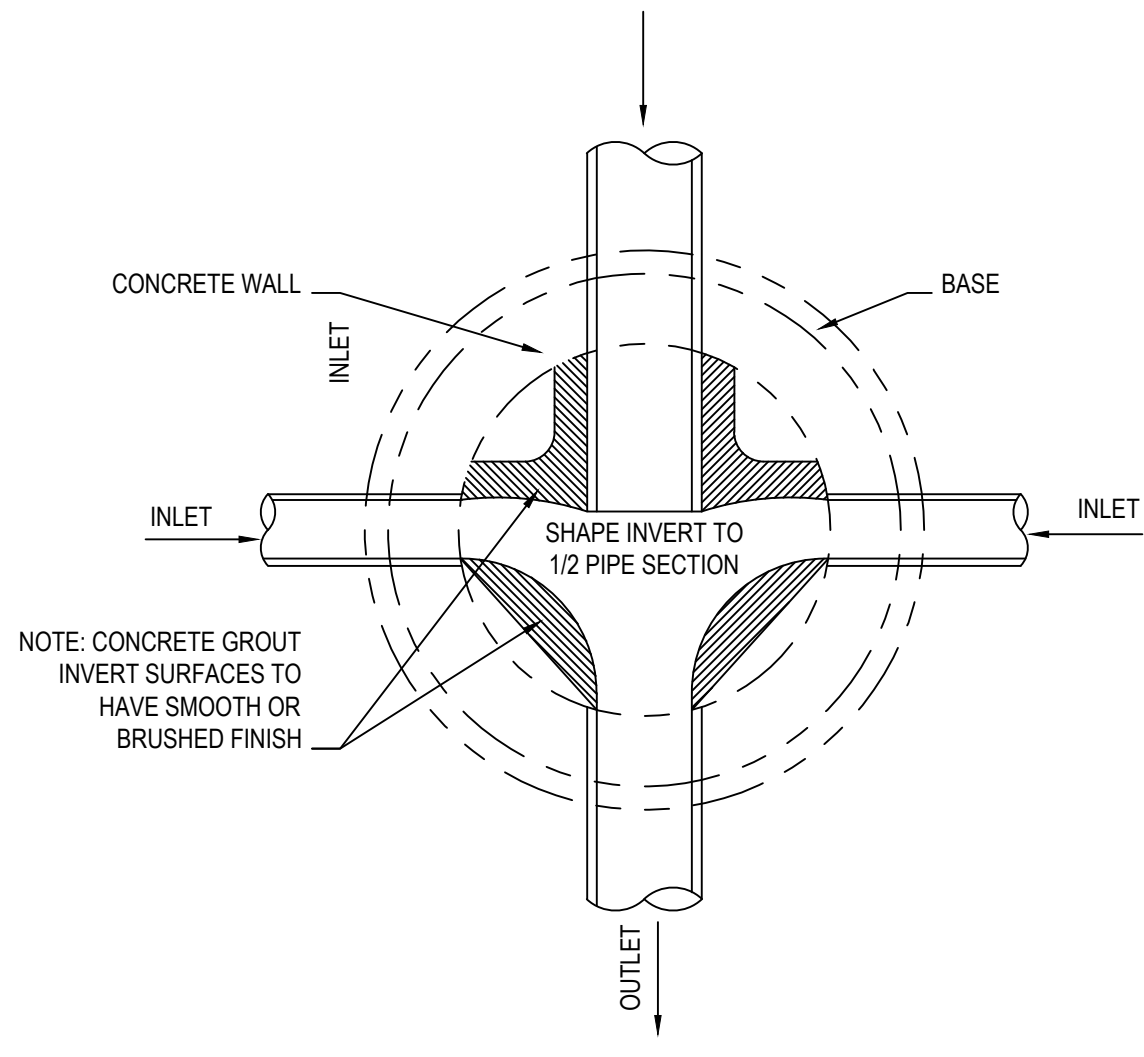


INSIDE DROP INLET  
SCALE: N.T.S.



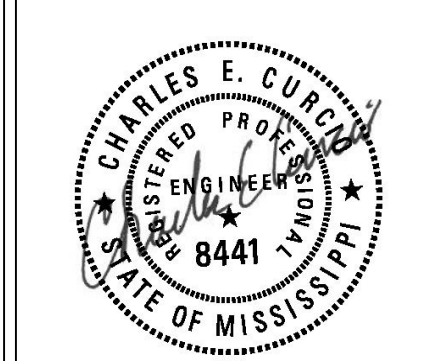
MANHOLE ASSEMBLY DETAIL  
SCALE: N.T.S.

- NOTES:**
1. COVER - GRAY IRON ASTM A48 CL35B 219 LBS (100kg)
  2. FRAME - GRAY IRON ASTM A48 CL35B 121 LBS (55kg)
  3. HEAVY DUTY LOAD RATING



PLAN - MANHOLE FLOW CHANNELS  
SCALE: N.T.S.

DRAWING REVISIONS		
NO.	REMARKS	DATE



DRAWN BY: EG SCALE: N.T.S.  
DESIGNED BY: N/A DATE: MAY 2022  
CHECKED BY: CC PROJECT: 0020317.000  
DRAWING TITLE: