GENERAL NOTES

WATER SHALL DISCHARGE TO SANITARY SEWER.

- DEVELOPER* SHALL VERIFY THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES AT LEAST 24 HOURS PRIOR TO ANY CONSTRUCTION OR EXCAVATION. DURING CONSTRUCTION, ALL UTILITIES SHALL BE ADEQUATELY SUPPORTED TO MINIMIZE DAMAGE.
- DEVELOPER SHALL SUBMIT A REQUEST FOR SERVICE. UPON VERIFICATION OF SERVICEABILITY, DEVELOPER SHALL SUBMIT A PLAN FOR SEWER SERVICE TO THE PROPERTY. LOCATION OF SEWER SERVICE TO THE PROPERTY IS DEPENDENT ON SEVERAL FACTORS. INCLUDING BUT NOT LIMITED TO:
- NUMBER OF EQUIVALENT DWELLING UNITS (EDUs) IN THE DEVELOPMENT, WHERE 1 EDU = 310 GALLONS PER DAY.
- AGE AND CONDITION OF CONNECTING SEWER. PLANNED LOCATION OF SEWER SERVICE BASED ON UTILITY'S MASTER PLAN OR PREVIOUSLY INSTALLED SEWERS.
- 3. WHEN AN IDEM PERMIT SUBMITTAL IS REQUIRED (GENERALLY FOR ANY NEW SEWER MAIN), INCLUDE AMERICAN SUBURBAN UTILITIES AS A POTENTIALLY AFFECTED PARTY ON THE PERMIT APPLICATION MATERIALS.
- ALL CLEAR WATER DISCHARGES (SUCH AS HVAC, ROOF & FOUNDATION DRAINS, ETC.) SHALL BE TO STORM SEWER OR OTHER APPROPRIATE LOCATION. NO CLEAR
- DEVELOPER SHALL SUPPLY TO THE UTILITY (AMERICAN SUBURBAN UTILITIES) ALL EASEMENTS NECESSARY TO PROVIDE SANITARY SEWER SERVICE AT NO COST TO THE UTILITY. ALL EASEMENT DOCUMENTS SHALL BE SUBMITTED TO AND APPROVED BY THE UTILITY PRIOR TO THE APPROVAL OF PLANS BY THE UTILITY. EASEMENTS AND SEWER SHALL ALSO BE PROVIDED ON THE DEVELOPER'S PROPERTY IN ORDER TO SERVE ADJOINING PROPERTIES OR FUTURE SEWER EXTENSIONS AS DETERMINED BY THE UTILITY. IN GENERAL, FOR DEPTHS UP TO 20 FEET, SEWERS SHOULD BE LOCATED IN EASEMENTS THAT ARE TWICE AS WIDE AS THE SEWER DEPTH (20' MIN. WIDTH) AND CONSTRUCTION EASEMENTS OF THE SAME WIDTH SHOULD ALSO, GENERALLY, BE PROVIDED ON ONE SIDE OF THE SEWER EASEMENT. FOR DEPTHS OVER 20', SEWERS SHOULD BE LOCATED IN A 40' EASEMENT AND CONSTRUCTION EASEMENTS SHOULD, GENERALLY, BE PROVIDED. ON ONE SIDE OF THE SEWER EASEMENT SUCH THAT THE TOTAL EASEMENT WIDTH IS FOUR TIMES AS WIDE AS THE SEWER DEPTH. CONSTRUCTION EASEMENTS AT MANHOLES TO BE PROVIDED AT MINIMUM 30 FEET (FOR UP TO 20' DEEP SEWERS) ON UPSTREAM SIDE OF SEWER AND IN LINE WITH SEWER (PROVIDE 40 FEET MINIMUM FOR OVER 20' DEEP SEWERS). THE UTILITY CAN REQUIRE DIFFERENT EASEMENT WIDTHS AT ITS DISCRETION.
- 6. THE DEVELOPER SHALL BE RESPONSIBLE FOR PROVIDING A THREE-YEAR MAINTENANCE BOND COVERING THE COSTS OF INSTALLATION OF THE SANITARY SEWER. THE BOND MUST BE FOR TEN PERCENT (10%) OF THE COSTS OF INSTALLING THE SANITARY SEWER AND MUST BE WRITTEN TO AND APPROVED BY THE UTILITY.
- ALL AREAS DISTURBED BY THE CONSTRUCTION PROCESS SHALL BE FERTILIZED AND SEEDED. ADEQUATE MULCHING SHALL BE PLACED AFTER SEEDING AND
- INSTALLATION OF OR PROVISIONS FOR THE INSTALLATION OF SANITARY SEWER UTILITIES, INCLUDING SERVICE LATERALS TO BE PLACED UNDER PAVEMENTS, SHALL BE ESTABLISHED PRIOR TO THE CONSTRUCTION OF THE PAVEMENTS.
- DEVELOPER SHALL CONTACT THE UTILITY IF ANY DAMAGE TO SANITARY SEWER UTILITIES OCCURS. ALL COSTS OF REPAIR SHALL BE PAID BY THE DEVELOPER. OTHER DAMAGED UTILITIES SHALL BE REPAIRED IN ACCORDANCE WITH THE AFFECTED UTILITY'S REPAIR POLICY.
- 10. THE CONSTRUCTION WORK SHALL CONFORM TO THE REQUIREMENTS OF AMERICAN SUBURBAN UTILITIES AND THE INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT. NO WORK SHALL BE PERFORMED UNTIL PLANS HAVE BEEN APPROVED BY THE UTILITY, A UTILITY SERVICE AGREEMENT HAS BEEN EXECUTED BY THE DEVELOPER AND THE UTILITY, AND A PRECONSTRUCTION MEETING HAS BEEN HELD WITH THE UTILITY.
- 11. THE DEVELOPER SHALL NOTIFY THE UTILITY AT LEAST 48 HOURS PRIOR TO STARTING OR RESUMING WORK ON A PROJECT.

FERTILIZING. IT SHALL BE THE DEVELOPER'S RESPONSIBILITY TO SEE THAT ADEQUATE GROWTH IS ESTABLISHED.

- 12. THE DEVELOPER SHALL PROVIDE SAFE ACCESS TO THE CONSTRUCTION SITE FOR ALL INSPECTORS AND WILL PROVIDE MATERIAL SAMPLES FOR TESTING. WORK REQUIRING INSPECTION BY THE UTILITY SHALL BE PERFORMED DURING THE UTILITY'S NORMAL WORK HOURS UNLESS AN ADDITIONAL INSPECTION FEE IS PAID BY THE DEVELOPER FOR INSPECTION OUTSIDE OF SUCH HOURS.
- 13. INFORMATION REQUIRED FOR PREPARING "AS-BUILT" DRAWINGS MUST BE RECORDED PRIOR TO THE BACKFILLING OF THE UNDERGROUND FACILITY.
- 14. FOR UTILITY PLACEMENT FOR OTHER THAN SINGLE FAMILY RESIDENCES, CONTACT THE AMERICAN SUBURBAN UTILITIES OFFICE FOR REQUIREMENTS. IN COMMERCIAL DEVELOPMENTS. EACH TENANT/UNIT SHALL HAVE A SEPARATE WATER METER INSTALLED WHERE THE UTILITY'S STAFF CAN READ IT MONTHLY. SEPARATE SANITARY LATERALS FOR EACH TENANT/UNIT SHALL ALSO BE PROVIDED.
- 15. COINCIDENT WITH DELIVERY OF THE APPROPRIATE BILL OF SALE OR TRANSFER OF OWNERSHIP DOCUMENTS BY DEVELOPER TO UTILITY, THE DEVELOPER SHALL ALSO DELIVER TO UTILITY 2 SETS OF THE FOLLOWING INFORMATION IN ORDER TO EXPEDITE THE REVIEW PROCESS
 - "AS-BUILT" DRAWINGS AND SPECIFICATIONS CERTIFIED BY A PROFESSIONAL ENGINEER OR LAND SURVEYOR, INCLUDING A DESCRIPTION, ELEVATION, AND
- DATUM OF BENCHMARK(S) UTILIZED FOR THE AS-BUILTS. CERTIFICATION OF CONSTRUCTION IN ACCORDANCE WITH THE UTILITY'S SPECIFICATIONS, SIGNED BY A PROFESSIONAL ENGINEER OR LAND SURVEYOR.
- RECORDED EASEMENTS AND SURVEY, ALL PERMITS, AND ANY OTHER PERTINENT INFORMATION.
- FINAL RECORDED PLAT OF THE DEVELOPMENT
- **WAIVERS OF LIEN FOR MATERIALS, LABOR AND EQUIPMENT**
- 1- THREE (3) YEAR MAINTENANCE BOND FOR MATERIALS AND WORKMANSHIP FROM THE DATE OF THE FINAL TRANSFER
- CERTIFIED SCHEDULE ITEMIZING ALL COST OF LABOR, MATERIAL, OVERHEAD AND PROFIT.

SUBMITTAL, THAT INCLUDES SIGNATURES FROM ALL GOVERNING JURISDICTIONS, AS APPLICABLE

- COPIES OF DRAWINGS IN DIGITAL FORMAT THAT CAN BE ACCESSED BY THE CURRENT VERSION OF AUTOCAD BEING USED BY THE UTILITY. THE DIGITAL DRAWINGS SHALL CONTAIN LOT LINES, LOT NUMBERS, EASEMENTS (FROM FINAL PLAT), AND POINTS WITH NORTHING AND EASTING COORDINATES FOR THE CENTER OF THE MANHOLE LID AND MANHOLE NUMBERS (ASSIGNED BY UTILITY) FOR THE AS-BUILT LOCATION OF ALL MANHOLE AND LIFT STATION STRUCTURES AND LINEWORK CONNECTING SAID STRUCTURES. THE DRAWINGS SHALL ALSO CONTAIN AT LEAST TWO POINTS OF HORIZONTAL CONTROL IN THE COUNTY CONSISTING OF PUBLIC LAND SURVEY SYSTEM (PLSS) SECTION CORNERS OR PUBLISHED TIPPECANOE COUNTY MANAGEMENT INFORMATION TECHNOLOGY SERVICES DEPARTMENT (MITS) CONTROL FOR SPATIAL REFERENCE OR AT LEAST TWO POINTS DEPICTING PHYSICAL FEATURES WHICH ARE IDENTIFIABLE FROM THE MOST RECENT MITS GIS DÁTA. THESE POINTS SHALL ALSO BE SHOWN ON A HARD COPY OF THE MOST RECENT MITS GIS DATA OR A WRITTEN DESCRIPTION OF THEIR LOCATION SHALL BE PROVIDED. THE ADEQUACY OF THE REFERENCE POINTS SHALL BE DETERMINED BY THE UTILITY.
- A .PDF DIGITAL COPY OF THE FINAL APPROVED VERSION OF THE PLANS/AS-BUILTS , ALONG WITH 2 PAPER SETS OF THE PLANS/AS-BUILTS , AS APPLICABLE TO THE
- TAP LOCATIONS MEASURED FROM 2 FRONT LOT CORNERS (OR 1 FRONT CORNER AND PERPENDICULAR TO BACK OF CURB IN THE CASE OF STREET CORNER LOTS), ALONG WITH APPROXIMATE DEPTH, IN TYPED AND IN DIGITAL FORMAT WITH ADDRESS AND LOT NUMBERS.
- 16. THE UTILITY WILL FLOW MONITOR, RE-TELEVISE, AND /OR PERIODICALLY INSPECT THE SANITARY SEWER LINES AT THE UTILITY'S EXPENSE PRIOR TO THE EXPIRATION OF THE THREE (3) YEAR MAINTENANCE BOND. ALL DEFICIENCIES NOTED BY THE INSPECTION SHALL BE REPAIRED BY THE DEVELOPER PRIOR TO EXPIRATION OF THE MAINTENANCE PERIOD AND THE RELEASE OF THE BOND
- 17. IN ORDER TO EXPEDITE THE REVIEW PROCESS, 2 PAPER SETS OF CONSTRUCTION PLANS, PERMITS, AND RELATED INFORMATION SHALL BE PROVIDED TO THE
- 18. THESE STANDARDS ARE SUBJECT TO REVISION BY THE UTILITY. NEW STANDARDS IN EFFECT AT THE TIME OF CONSTRUCTION SHALL APPLY AND THE UTILITY SHALL BE CONTACTED FOR INCLUSION OF THE NEW STANDARDS AS PART OF THE PROJECT PRIOR TO CONSTRUCTION
- 19. ELEVATIONS OF ALL CONNECTIONS TO EXISTING SEWERS ARE TO BE FIELD VERIFIED, IN WRITING, AND PROVIDED TO UTILITY BEFORE CONSTRUCTION BEGINS. AT ITS DISCRETION, UTILITY MAY REQUIRE INDEPENDENT VERIFICATION AT DEVELOPER'S EXPENSE.
- 20. CONSTRUCTION PLANS SHALL INCLUDE AN OVERALL UTILITY SHEET(S) AND AN OVERALL SANITARY SEWER SHEET(S) WHICH INLCUDES THE LOCATION OF SANITARY SEWERS, LATERALS, MANHOLE LOCATIONS AND MANHOLE NUMBERS.
- ALL "AS-BUILT" DRAWINGS AND COSTS SHALL BE EXAMINED AND VERIFIED BY THE UTILITY

11' | 11' | 11' | 12' | 12' | 12'

12' | 12' | 12' | 12' | 12' | 12'

 12'
 12'
 12'
 12'
 12'
 13'

 12'
 12'
 13'
 13'
 13'

12' 12' 13' 13' 13' 13'

* ALL REFERENCES TO DEVELOPER SHALL INCLUDE ANY AGENT OF THE DEVELOPER, INCLUDING DEVELOPER'S CONTRACTOR(S).

SANITARY SEWER NOTES

- SANITARY SEWERS SHALL BE ONE OF THE FOLLOWING: (1) POLYVINYL CHLORIDE (PVC) SDR-35 OR SDR-26 GRAVITY PIPE (ASTM D-3034 OR ASTM F-679, AS APPLICABLE), (2) PVC SDR-21 PRESSURE PIPE (ASTM D-2241), (3) PVC DR-25 OR DR-18 (AWWA C-900 OR C-905, AS APPLICABLE). SEE TABLE THIS SHEET FOR PIPE REQUIREMENTS BASED ON BURY DEPTH. TYPE OF PIPE(S) PERMITTED SHALL BE SHOWN ON THE PROFILE SHEETS BASED ON PROPOSED BURY DEPTH AND SHALL BE THE SAME PIPE TYPE FROM MANHOLE TO MANHOLE, JOINTS SHALL BE GASKETED, BELL AND SPIGOT TYPE WITH THE BELL MADE INTEGRAL WITH THE PIPE. SEE PLAN. PROFILE SHEETS FOR SIZES. MINIMUM SHALL BE 8 INCH DIAMETER. SEWERS SHALL, GENERALLY, BE DESIGNED AND INSTALLED IN ORDER TO SERVE BASEMENTS BY GRAVITY BUT SHALL, IN NO CASE, HAVE LESS THAN 6.5 FEET OF COVER (4 FEET FOR LATERALS) UNLESS APPROVED IN WRITING. MINIMUM PIPE COVER AT TERMINATION POINT SHALL BE 10 FEET (OR DEEPER AT THE DETERMINATION OF UTILITY). TERMINATION POINT OF SEWER AT THE DEVELOPMENT PROPERTY LINES SHALL BE COORDINATED WITH UTILITY.
- SANITARY SEWER LATERALS ARE REQUIRED FOR EACH INDIVIDUALLY OWNED SEWER CONNECTION AND SHALL BE 6" DIAMETER PVC SDR-35 OR SDR-26 (ASTM D-3034), LAID AT A MINIMUM SLOPE OF 0.62 %. ENDS TO BE PLUGGED. JOINTS SHALL BE GASKETED BELL AND SPIGOT TYPE WITH THE BELL MADE INTEGRAL. LATERALS MUST TIE-IN TO THE SEWER MAIN. NO LATERALS SHALL CONNECT TO MANHOLES UNLESS PERMITTED BY UTILITY. PIPE LATERALS LONGER THAN 150' SHALL BE 8" DIAMETER, TESTED AS SPECIFIED HEREIN, AND REQUIRE A MANHOLE(S). SHOW LATERAL INVERT ELEVATIONS AT END OF LATERAL AT LOT ON PLAN AND PROFILE SHEETS FOR EACH LOT. SEE ALSO LATERAL CONNECTION DETAIL ON SHEET ASU2 FOR FURTHER INFORMATION.
 - LATERALS SHALL BE CONNECTED TO SEWER MAINS LOCATED ALONG STREETS AND WITHIN THE DEVELOPMENT RATHER THAN CONNECTING TO SEWER MAINS THAT ARE INTENDED FOR FUTURE SERVICE BEYOND THE DEVELOPMENT.
- PIPE/LATERAL CONNECTIONS TO SEWERS SHALL BE APPROVED BY THE UTILITY ON A PER-TAP BASIS. CONNECTIONS TO PVC PIPE SHALL BE MADE WITH APPROPRIATE PVC REPAIR COUPLERS OR APPROPRIATE PVC INCREASERS WHEN THERE IS A PIPE SIZE CHANGE FOR LATERALS. CONNECTIONS TO PIPE OTHER THAN PVC SHALL BE MADE WITH APPROPRIATE DUCTILE IRON FITTINGS AND TRANSITION GASKET, WHENEVER POSSIBLE; OTHERWISE, USE SHEAR GUARD COUPLERS BY INDIANA SEAL (A GPK PRODUCTS COMPANY), FARGO, ND. NO FLEXIBLE OR OTHER COUPLERS ARE PERMITTED WITHOUT PRIOR WRITTEN APPROVAL. SHOP DRAWINGS ARE REQUIRED.
- THE COMPLETED SANITARY SEWER SHALL BE HIGH PRESSURE WATER JET CLEANED AND SUBJECTED TO AN AIR TEST CONFORMING TO ASTM F1417. A DEFLECTION TEST SHALL BE PERFORMED WITH A "GO-NO-GO" MANDREL (SIZED FOR 95 % OF INSIDE DIAMETER OF SEWER PIPE AND PULLED BY HAND) ACCORDING TO IDEM STANDARDS. ALL CLEANING, TELEVISING AND TESTING (PIPE AND MANHOLE) SHALL BE PERFORMED A MINIMUM OF 45 DAYS AFTER INSTALLATION AND WITNESSED BY THE UTILITY. ALL COSTS OF CLEANING AND TESTING ARE TO BE BORNE BY THE DEVELOPER. CLOSED CIRCUIT TELEVISION INSPECTION OF THE SYSTEM SHALL BE REQUIRED. A COPY OF THE VIDEO (DIGITAL FORMAT) SHALL BE RETAINED BY THE UTILITY. ALL COSTS OF TELEVISING ARE TO BE BORNE BY THE DEVELOPER.
- MANHOLES SHALL BE AIR TESTED IN ACCORDANCE WITH CURRENT VERSION OF ASTM C1244, STANDARD TEST METHOD FOR CONCRETE SEWER MANHOLES BY THE NEGATIVE AIR PRESSURE (VACUUM) TEST.
- 18" VERTICAL SEPARATION AND 10'-0" HORIZONTAL SEPARATION TO BE MAINTAINED BETWEEN WATER MAINS, HYDRANTS AND SANITARY SEWERS, INCLUDING SANITARY SERVICE LATERALS AND WATER SERVICES. SEPARATION IS FROM OUTSIDE OF PIPE TO OUTSIDE OF PIPE; THEREFORE, CENTERLINE TO CENTERLINE DISTANCES MUST BE GREATER THAN 18" VERTICAL AND 10'-0" HORIZONTAL. ALL CROSSINGS WITH WATERMAIN MUST BE AT A MINIMUM 45 DEGREE ANGLE WITH SANITARY SEWER AND VERTICAL SEPARATION MUST BE MAINTAINED UNTIL 10'-0" HORIZONTAL SEPARATION IS ACHIEVED BETWEEN SANITARY AND WATERMAIN. SEE PIPE CROSSING DETAIL WHEN SUCH SEPARATION CANNOT BE MAINTAINED. NO SANITARY MANHOLE SHALL BE WITHIN 8'-0" OF A WATER MAIN MEASURED FROM OUTSIDE OF MANHOLE TO OUTSIDE OF WATERMAIN.
- TRENCHES UNDER PAVED AREAS (EXCLUDING SIDEWALKS THAT WILL BE CONSTRUCTED AT LEAST 6 MONTHS AFTER SEWER INSTALLATION) SHALL BE BACKFILLED WITH GRANULAR MATERIAL PER INDIANA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS", CURRENT EDITION, SECTION 211, AND COMPACTED IN LIFTS. PAVED AREAS INCLUDES THE ENTIRE TRENCH WHEN ANY PORTION OF THE TRENCH IS WITHIN 5 FEET OF EDGE OF PAVEMENT OR BACK OF CURB. FOR TRENCHES WITHIN PAVED AREAS MAINTAINED BY A PUBLIC JURISDICTION, BACKFILL SHALL CONFORM TO THE JURISDICTION'S REQUIREMENTS.
- SANITARY SEWERS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D-2321 AND MANUFACTURER'S RECOMMENDATIONS, AS APPLICABLE, BEDDING FOR ALL SANITARY SEWER LINES SHALL BE CLASS 1 BEDDING. SEE TRENCH DETAILS FOR FURTHER INFORMATION. DETECTABLE WARNING TAPE REQUIRED FOR ALL PIPE
- CONNECTIONS TO EXISTING MANHOLES SHALL BE MADE USING A CONCRETE MANHOLE ADAPTER WATERSTOP GROUTED IN PLACE USING MASTERSEAL 595 BY BASF, SHAKOPEE, MN OR APPROVED EQUAL. CONNECTIONS SHALL NOT BE MADE AT OR NEAR MANHOLE JOINTS.
- 10. ALL SEWER LINES SHALL HAVE A 0.1 FT. DROP THROUGH THE MANHOLE. WHERE SEWER LINES CHANGE DIRECTION AT A 45-DEGREE OR GREATER ANGLE, THE MANHOLE INVERT ELEVATION SHALL DROP 0.25 FEET (TYPICAL) THROUGH THE MANHOLE. OTHER DROPS MAY BE USED WITH PRIOR APPROVAL OF THE UTILITY.
- 11. SEWER PERMIT AND UTILITY INSPECTION ARE REQUIRED FOR ALL CONNECTIONS TO SANITARY SEWER SYSTEMS. SEWER PERMIT IS REQUIRED ON SITE DURING ANY SEWER CONSTRUCTION.
- TOP OF MANHOLE FRAMES SHALL BE SET AT FINISHED YARD OR SIDEWALK GRADE WHEN LOCATED IN SIDEWALK OR BETWEEN SIDEWALK AND STREET. WHEN MANHOLE IS IN A TRAVELED WAY. THE TOP OF THE LID SHALL BE FLUSH WITH THE FINAL SURFACE, AND BACKFILL SHALL BE GRANULAR TO SURFACE. IN ALL OTHER AREAS, THE TOP OF THE FRAME SHALL BE ONE FOOT ABOVE THE SURROUNDING GRADE, SLOPING AWAY FROM THE MANHOLE FOR A DISTANCE OF 6-0" IN ALL DIRECTIONS. WHEN CLOSER THAN 6'-0" FROM SIDEWALK/TRAVELED WAY, TOP OF FRAME SHALL BE SET PROPORTIONATELY FROM ZERO TO ONE FOOT ABOVE SURROUNDING GRADE. IN AREAS SUBJECT TO FLOODING, TOP OF FRAME SHALL BE RAISED TO A MAXIMUM OF 4 FEET ABOVE GROUND SURFACE SUCH THAT FRAME IS 2 FEET ABOVE 100-YEAR FLOOD ELEVATION OR PROVIDED WITH WATERTIGHT CASTING (WHEN STILL LOCATED LESS THAN 2 FEET ABOVE 100-YEAR FLOOD ELEVATION). SEE ALSO STANDARD SANITARY MANHOLE DETAIL THIS SHEET.
- 13. ALL MANHOLE CASTINGS SHALL HAVE THE WORDS "AMERICAN SUBURBAN UTILITIES" AND "SANITARY SEWER" CAST IN THE LID, ALONG WITH THE NUMBER SUPPLIED BY AMERICAN SUBURBAN UTILITIES. AMERICAN SUBURBAN UTILITIES WILL PROVIDE THE LID. MANHOLE FRAME SHALL BE PROVIDED BY THE DEVELOPER.
- WHERE PROPRIETARY EQUIPMENT IS SPECIFIED, "OR APPROVED EQUAL" IS IMPLIED, ALL PROPOSALS FOR SUBSTITUTION SHALL BE SUBMITTED TO THE UTILITY IN WRITING FOR THEIR APPROVAL.
- MARK THE LOCATIONS OF THE SANITARY SEWER LATERALS BY STAMPING "SS" IN THE CURB. SIMILARLY, STAMP MH IN THE CURB TO MARK THE LOCATIONS OF
- 16. ALL BENCH MARKS AND ELEVATIONS SHALL BE NORTH AMERICAN VERTICAL DATUM (NAVD 1988).

MANHOLES SHALL ALSO BE CONSTRUCTED WITHIN 2 FEET OF THEIR DESIGN HORIZONTAL LOCATION.

MINIMUM | MIN. DESIGN GRADE,

- 17. THE MOST RESTRICTIVE OF THE FOLLOWING TOLERANCE SPECIFICATIONS SHALL APPLY TO ALL INFRASTRUCTURE CONSTRUCTED ON THIS PROJECT:
 - CONTRACTOR SHALL COMPLETE SEWER IMPROVEMENTS, SUCH AS MANHOLE RIM AND INVERT ELEVATIONS, TO WITHIN 0.1 FEET OF THE ELEVATIONS **CONTAINED IN THESE PLANS...**
 - CONTRACTOR SHALL COMPLETE INSTALLATION OF SEWER TO THE GRADES (SLOPES) CONTAINED IN THESE PLANS SUCH THAT THEY DEVIATE BY NO MORE THAN 10% FROM THEIR DESIGN GRADE (SLOPE)-E.G. A DESIGN GRADE OF 0.50 % SHALL BE CONSTRUCTED BETWEEN 0.45 % AND 0.55%.
 - THE CONTRACTOR SHALL BE REQUIRED TO REWORK ANY AREA THAT DOES NOT MEET THESE TOLERANCES AT HIS EXPENSE UNTIL COMPLIANCE IS OBTAINED THIS SPECIFICATION DOES NOT PERMIT SEWERS TO BE CONSTRUCTED BELOW MINIMUM GRADE SHOWN ON THIS SHEET
- THIS SPECIFICATION DOES NOT ALLOW THE ENTIRE PROJECT TO BE CONSTRUCTED AT SUCH LIMITS (E.G. CONSTRUCT THE ENTIRE PROJECT 0.1-FOOT BELOW DESIGN ELEVATIONS). IN GENERAL, CONTRACTOR SHALL CONSTRUCT STRICTLY TO THE DESIGN GRADES AND ELEVATIONS CONTAINED IN THESE PLANS BUT THE ABOVE LIMITS ARE BEING ESTABLISHED AS A MINIMUM CONSTRUCTION REQUIREMENT TO ENSURE PROPER FUNCTIONALITY OF THE CONSTRUCTED SEWER. DEVIATIONS IN EXCESS OF THESE LIMITS REQUIRE APPROVAL OF THE UTILITY AND WILL BE GRANTED ONLY IF PROPER FUNCTIONALITY OF THE SEWER CAN BE SHOWN
- SHOP DRAWINGS FOR ALL INFRASTRUCTURE SHALL BE APPROVED BY THE UTILITY PRIOR TO CONSTRUCTION/MANUFACTURE. SHOP DRAWINGS SHALL INCLUDE A STATEMENT THAT CONTRACTOR HAS REVIEWED SUBMITTALS FOR CONFORMANCE WITH UTILITY'S SPECIFICATIONS PRIOR TO SUBMITTAL.
- 19. THESE SPECIFICATIONS ARE NOT ALL INCLUSIVE. REFERENCE IS MADE, AND SEWER DESIGN AND CONSTRUCTION SHALL CONFORM, TO 327 IAC 3-6.

DESIGN RUNS LESS THAN: MINIMUM MAXIMUM MAXIMUM MH

0.45% 0.55% 0.75% 0.40% 11%

0.33% | 0.43% | 0.63% | 0.28% | 8.25% |

 0.17%
 0.27%
 0.47%
 0.12%
 3.75%

 0.15%
 0.25%
 0.45%
 0.10%
 3%

 0.11%
 0.21%
 0.41%
 0.07%
 2.2%

 0.10%
 0.20%
 0.40%
 0.06%
 1.9%

CONSTRUCTION PLAN DESIGN GRADES SHALL NOT BE LESS THAN THE MINIMUM DESIGN GRADES IN THE ABOVE TABLE WITHOUT PRIOR WRITTEN APPROVAL

FROM THE UTILITY. PLAN DESIGN GRADES GREATER THAN THE MINIMUM DESIGN

GRADE SHALL BE PROVIDED WHEN PRACTICAL. RUN LENGTHS GREATER THAN

120 FEET SHALL BE USED WHENEVER REASONABLY POSSIBLE.

0.27% 0.37% 0.57% 0.22% 6.5%

TELEVISION INSPECTION CRITERIA SANITARY SEWERS

SEWERS SHALL BE "FLOODED" BEFORE TELEVISION INSPECTION. THE IMAGE SHALL BE CLEAR ENOUGH TO ENABLE THE UTILITY REPRESENTATIVE AND OTHERS VIEWING THE MONITOR TO EASILY EVALUATE THE INTERIOR CONDITION OF THE PIPE. ALL PIPE JOINTS SHALL BE EXAMINED (CAMERA SHALL RUN IN THE UPSTREAM DIRECTION).

ALL UNACCEPTABLE CONDITIONS FOUND DURING TELEVISION OR OTHER INSPECTION MUST BE CORRECTED BY THE DEVELOPER AND RETELEVISED. THIS INCLUDES INSPECTIONS OF LATERALS OR PRIVATE SEWERS.

UNACCEPTABLE CONDITIONS ARE CONDITIONS THAT ADVERSELY AFFECT THE ABILITY OF THE SYSTEM TO FUNCTION AS DESIGNED OR TO BE PROPERLY MAINTAINED AND MAY INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:

PROTRUDING TAPS

ROOT INTRUSION CRACKED OR FAULTY PIPE/DAMAGED PIPE OR MANHOLES/USE OF NON-COMPLIANT MATERIALS

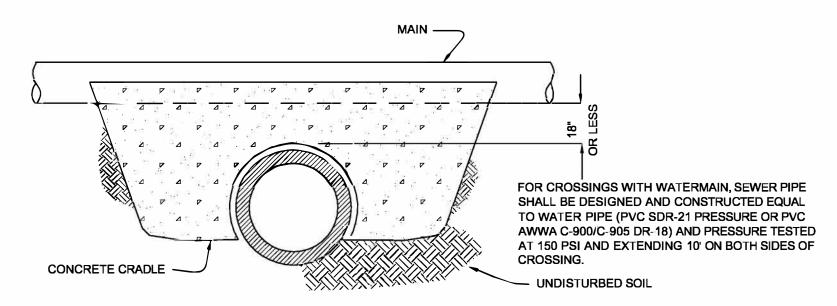
IMPROPER PIPE REPAIR MISALIGNED OR DEFORMED PIPE

DEBRIS IN LINE OR IN JOINTS INFILTRATION/EXFILTRATION

EXPOSED GASKETS/EXCESSIVE GAPS AT JOINTS

BELLIES OR SAGS WITH A DEPTH GREATER THAN OR EQUAL TO 10 % (OR A MAXIMUM 0F 1-1/2" FOR 18"+ PIPE) OF PIPE DIAMETER AND/OR A LENGTH GREATER THAN 25 FEET

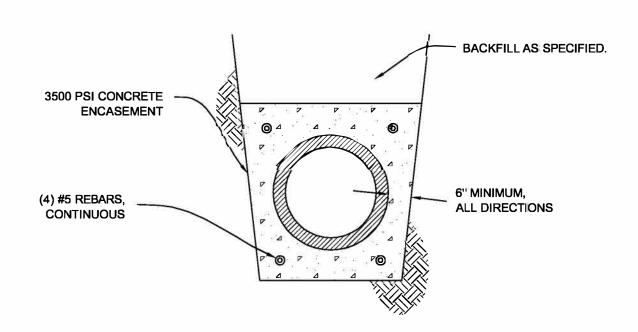
MANHOLES WITH HOLES CORED AT OR NEAR MANHOLE JOINTS.



NOTE: THIS DETAIL SHALL BE USED WHEN A MAIN, SEWER OR WATER, CROSSES WITHIN 18" OF ANOTHER PIPE OR CONDUIT.

PIPE CROSSING DETAIL

SCALE: NONE



PIPE ENCASEMENT DETAIL

NOT TO SCALE

2 "	20.0"	
5"	23.9"	
8"	27.7"	
4"	33.0"	
0"	39.0"	
6"	45.5"	
2"	54.0"	
8"	61.0"	
4"	68.0"	7

BELL DIA

STORM

C TO C HORIZONTAL DISTANCE

BELL DIAMETERS FOR PIPE

WATER

BELL DIA.

8.5"

13.6"

16.2"

NOTES: 1. SANITARY SEWERS AND WATERMAINS SHALL BE LAID OUT SUCH THAT THEY CONTAIN THE HORIZONTAL SEPARATION FROM CENTERLINE TO CENTERLINE OF PIPE AS SHOWN IN THE ABOVE TABLE.

HORIZONTAL AND VERTICAL SEPARATION DATA

2. 18" VERTICAL SEPARATION FROM OUTSIDE TO OUTSIDE OF PIPE SHALL BE BASED ON THE BELL DIAMETERS IN THE ABOVE TABLE. WHEN VERTICAL SEPARATION IS LESS THEN 18" USING DATA FROM THE ABOVE TABLE, THE PROFILE SHEETS SHALL NOTE THAT A CONCRETE CRADLE IS REQUIRED AND SHALL CONTAIN A NOTE REFERRING TO THE PIPE CROSSING DETAIL ON THIS SHEFT.

BELL DIA.

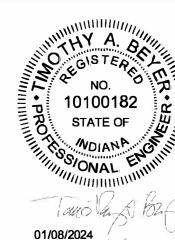
14.3"

28.0"

33.0"

PIPF	GRADES	PIPF	TYPF

DESIGN INFORMATION FOR SANITARY SEWERS



GRADE 120 FEET 60 FEET GRADE GRADE SPACING TOP OF PIPE TYPE 2: PVC GRAVITY SDR-26, 8"-36" TYPE 3: PVC PRESSURE SDR-21, 8"-16 TYPE 4: PVC AWWA C-900/C-905 DR-25, 8"-36" 0.20% | 0.30% | 0.50% | 0.15% | 4.75% | 400' TYPE 5: PVC AWWA C-900/C-905 DR-18, 8"-36 400' 0.12% 0.22% 0.42% 0.08% 2.5% 400 SEE SANITARY SEWER NOTE 1 FOR ADDITIONAL INFORMATION ON PIPE MATERIALS. NOTE THAT PIPE TYPES 3 THRU 5 ARE AVAILABLE IN WATERMAIN

PIPE TYPE: DESCRIPTION, RANGE OF SIZES

MAX. PERMITTED

COVER OVER

SIZES AND NOT GRAVITY SEWER SIZES.

AMERICAN UTILITIES SUBURBAN

PROJECT NAME

(800) 382-5544 HOLEY MOLEY (765) 463-3856 AMERICAN SUBURBANI UTILITIES

(765) 463-6664 FIRE DEPT

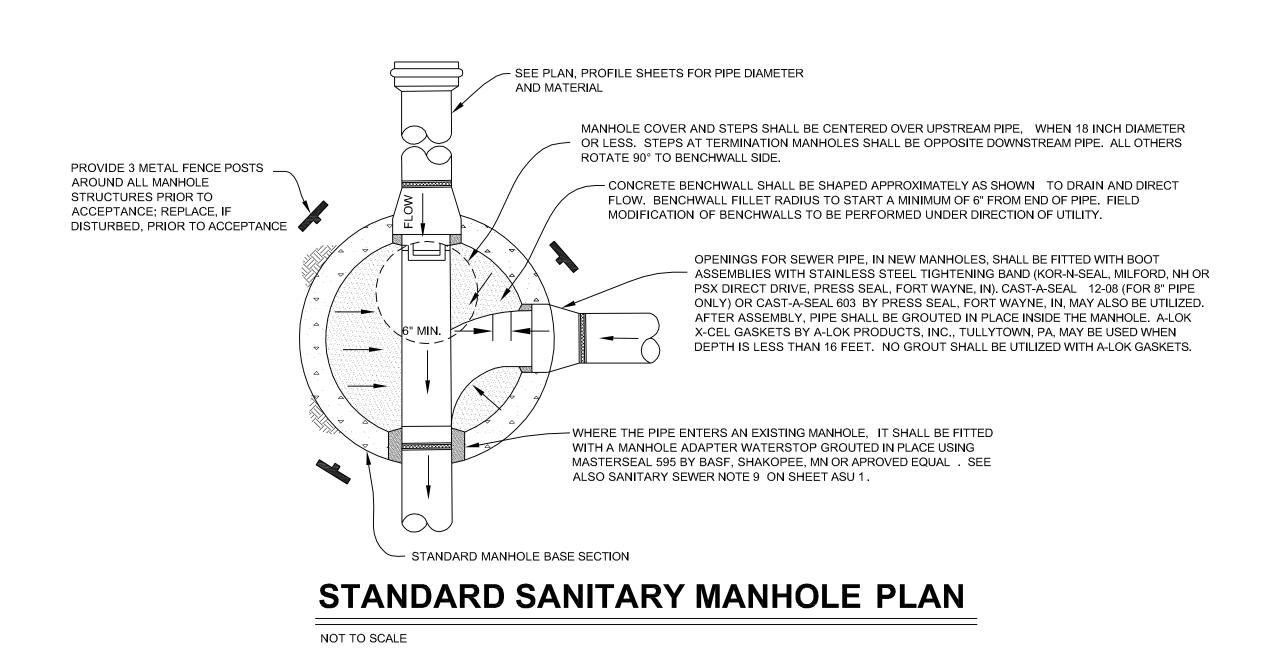
(765) 423-9321 SHERIFF

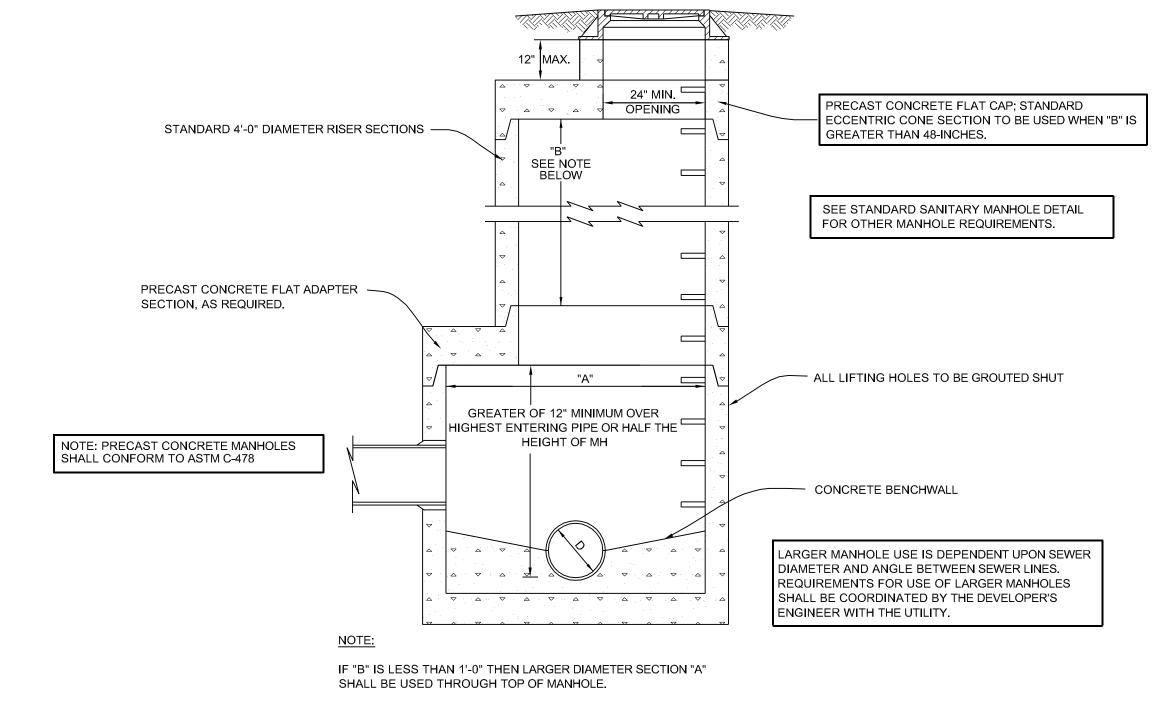
3350 WEST, 250 NORTH WEST LAFAYETTE, INDIANA 47906

GENERAL NOTES and GUIDELINES ASU1 FOR UTILITY LOCATIONS

PROJECT SHEET NUMBER

JAN. 2024

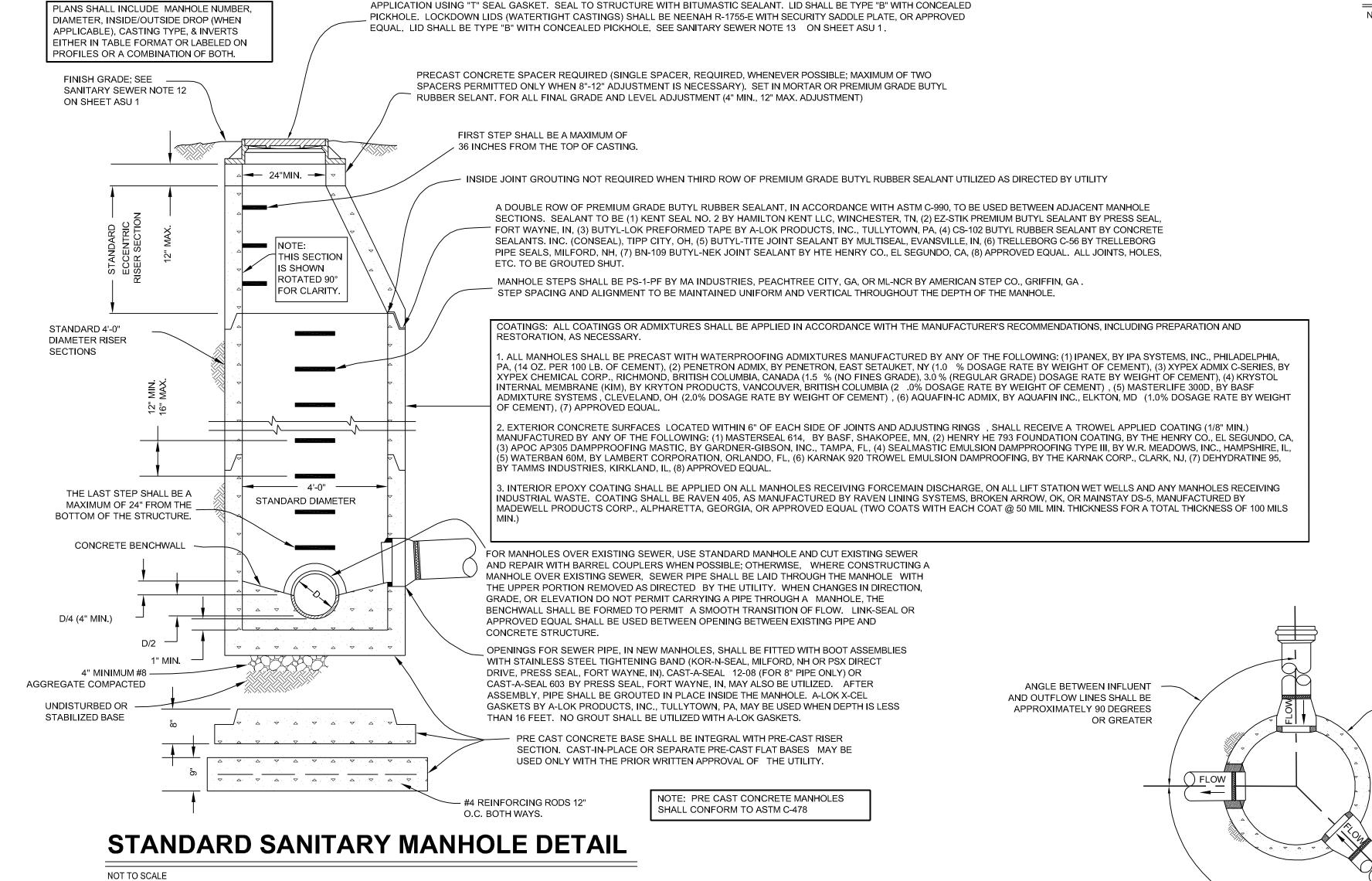




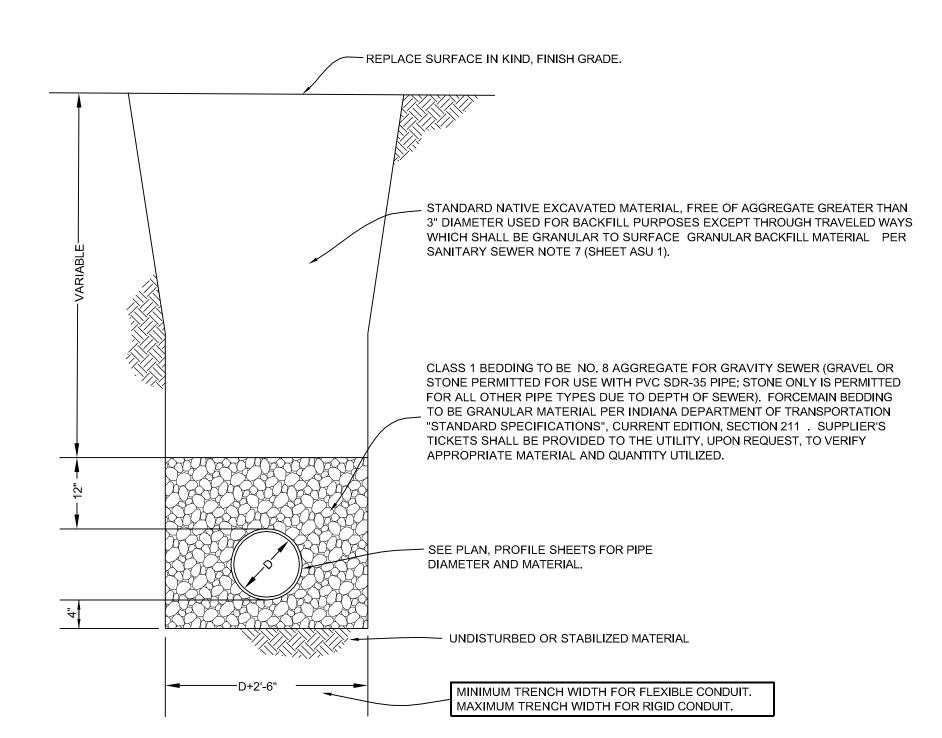
SANITARY MANHOLE DETAIL

FOR MANHOLE STRUCTURES LARGER THAN 4 FEET IN DIAMETER

NOT TO SCALE



STANDARD MANHOLE FRAME SHALL BE NEENAH R-1772, OR APPROVED EQUAL, FRAME AND LID SHALL HAVE "SELF SEALING"



STANDARD BEDDING DETAIL

NOT TO SCALE

PROJECT NAME PROJECT SHEET NUMBER of

FOR UTILITY LOCATIONS



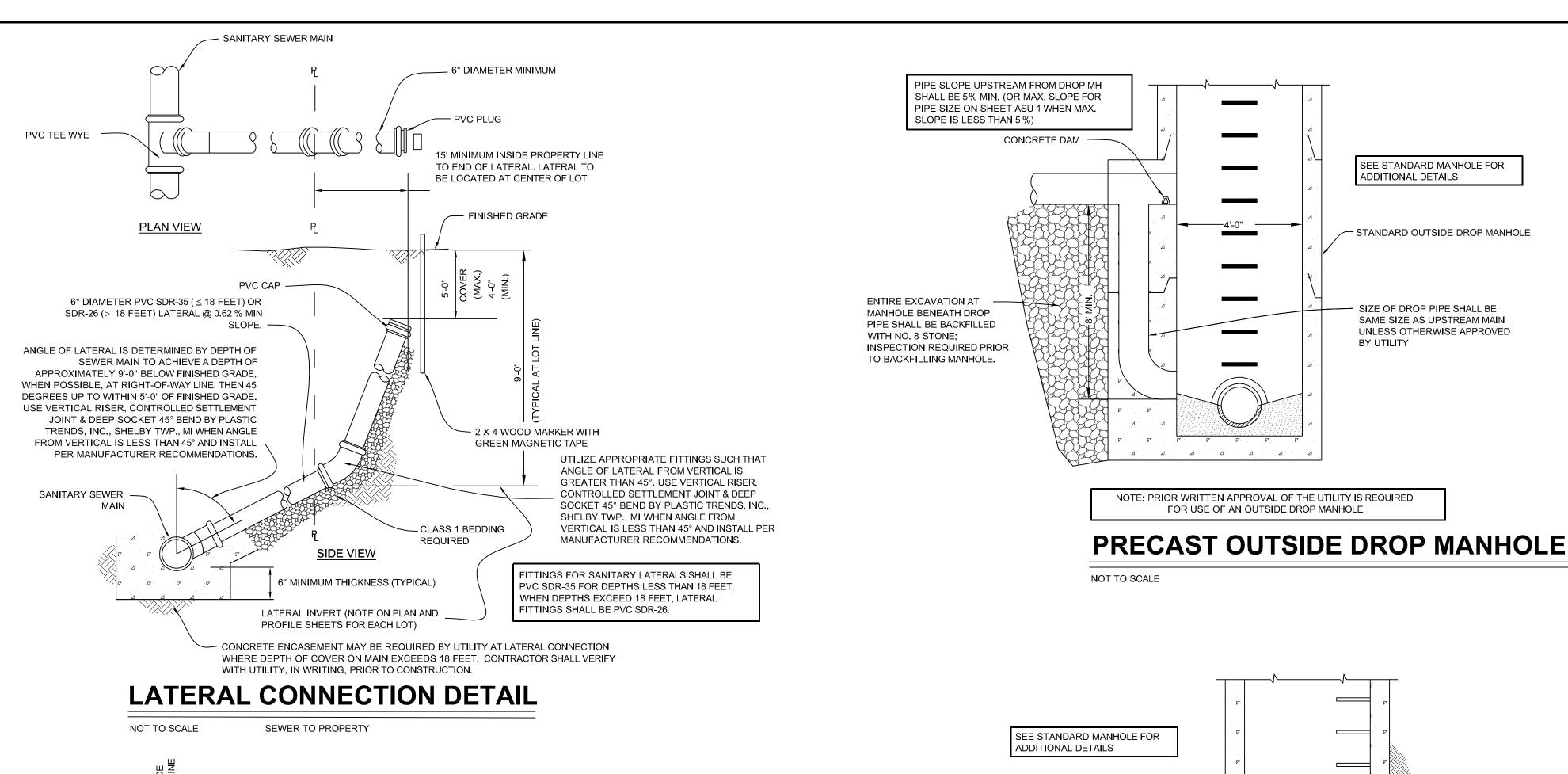
AMERICAN SUBURBAN UTILITIES

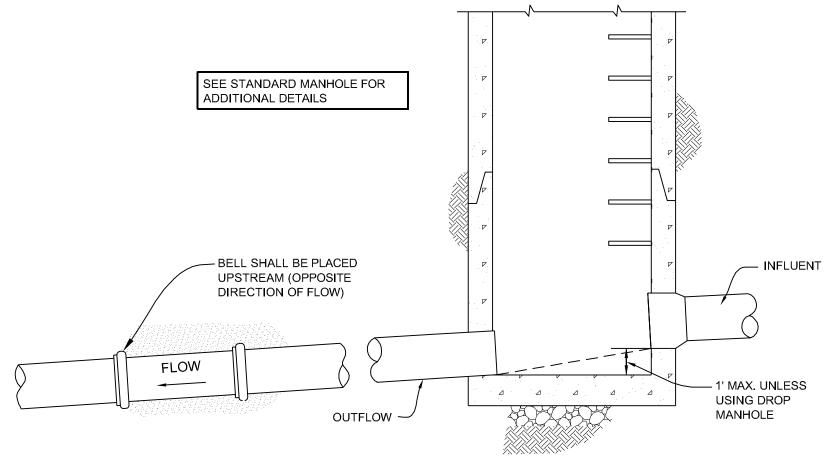
(800)	382-5544	HOLEY MOLEY	2250 MEST 250 NODTH	DATE
,			3350 WEST, 250 NORTH	JAN. 202
(765)	463-3856	AMERICAN SUBURBAN UTILITIES	WEST LAFAYETTE, INDIANA 47906	SHEE
(765)	463-6664	FIRE DEPT.	OENEDAL NOTEOI OLUDELINEO	A ()
(765)	423-9321		GENERAL NOTES and GUIDELINES	ASU

SEWER LINE ORIENTATION

- MANHOLE

NOT TO SCALE





SEWER DESIGN AND INSTALLATION DETAILS NOT TO SCALE

LATERAL CONNECTION DETAIL

FOUNDATION WALL

NOT TO SCALE PROPERTY TO STRUCTURE

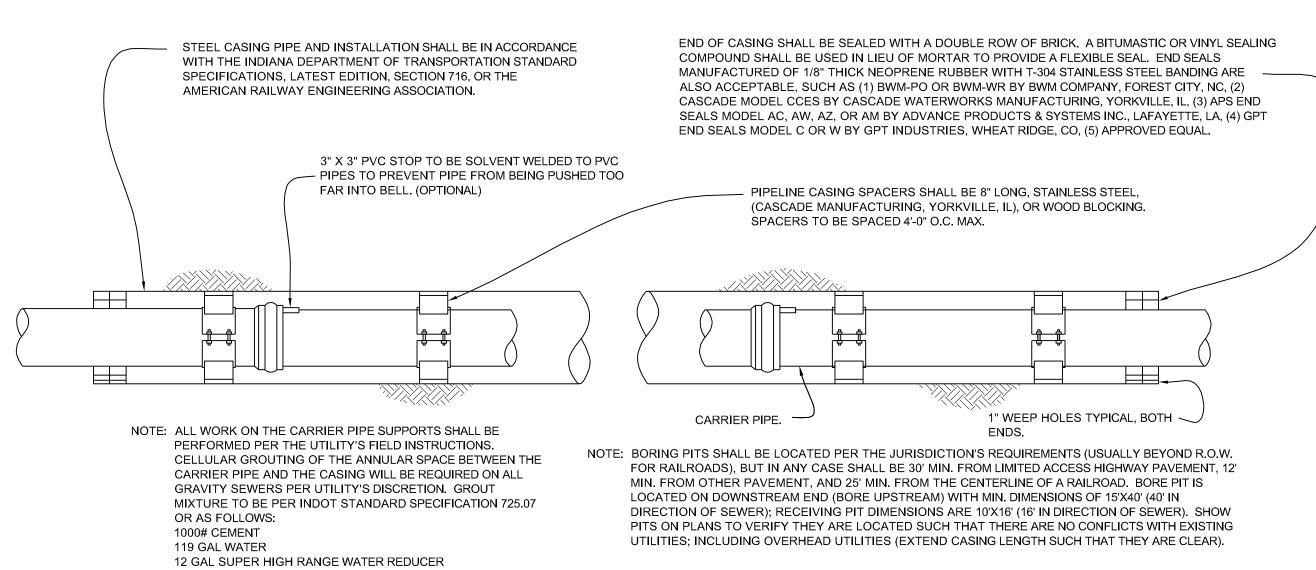
REMOVABLE -

PLUG OR CAP

6"X6"X6" MIN. FACTORY WYE

6.5% AIR

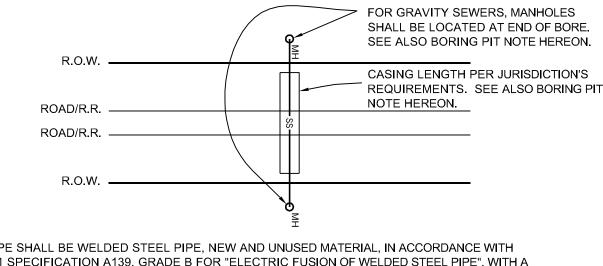
(IMI MIX #419 OR APPROVED EQUAL)



- CLASS 1 BEDDING TO BE NO. 8 AGGREGATE

(GRAVEL OR STONE) FOR GRAVITY SEWER.

COUPLING PER SANITARY SEWER NOTE 3, SHEET ASU 1, FOR CONNECTION TO



5/8 (0.625)

11/16 (0.6875)

THE CASING PIPE SHALL BE WELDED STEEL PIPE, NEW AND UNUSED MATERIAL, IN ACCORDANCE WITH CURRENT ASTM SPECIFICATION A139, GRADE B FOR "ELECTRIC FUSION OF WELDED STEEL PIPE", WITH A MINIMUM YIELD OF 35,000 PSI.

THE INSIDE DIAMETER OF THE CASING PIPE SHALL BE AT LEAST SIX (6) INCHES GREATER THAN THE LARGEST DIAMETER OF THE PIPELINE JOINT (BELL DIAMETER). LARGER DIAMETER MAY BE NECESSARY WHEN CASING IS BORED (FLAT) FROM UPSTREAM END.

THE MINIMUM WALL THICKNESS OF THE CASING PIPE SHALL BE AS LISTED IN THE FOLLOWING TABLE OR AS SHOWN ON THE APPLICABLE DRAWINGS:

DIAMETER WALL THICKNESS (IN.) OF CASING **UNDER HIGHWAY** UNDER RAILROAD 18" OR SMALLER 5/16 (0.3125) 1/4 (0.25) 5/16 (0.3125) 3/8 (0.375) 22"-26" 3/8 (0.375) 7/16 (0.4375) 28"-32" 1/2 (0.5) 1/2 (0.5) 34"-38" 1/2 (0.5) 9/16 (0.5625)

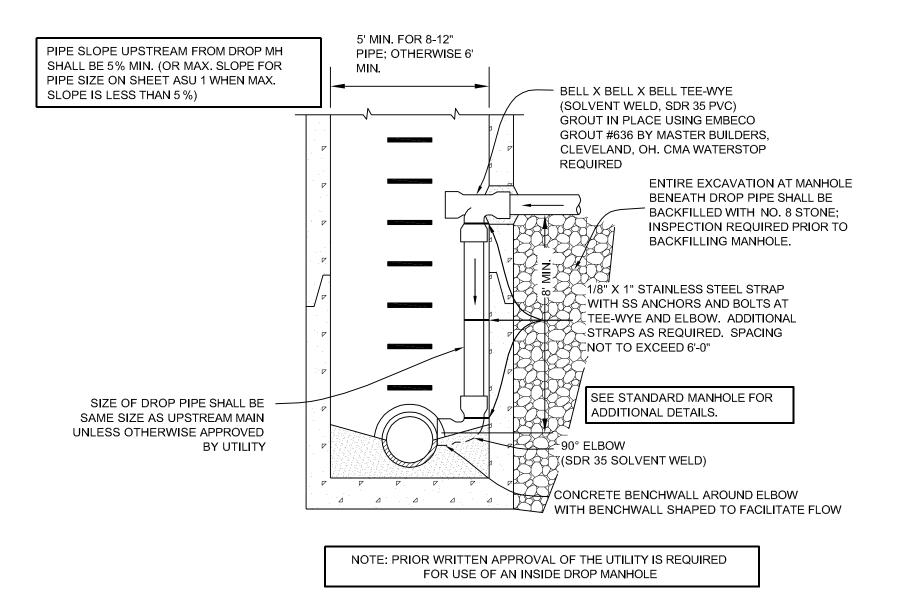
1/2 (0.5)

9/16 (0.5625)

PIPE CASING DETAILS

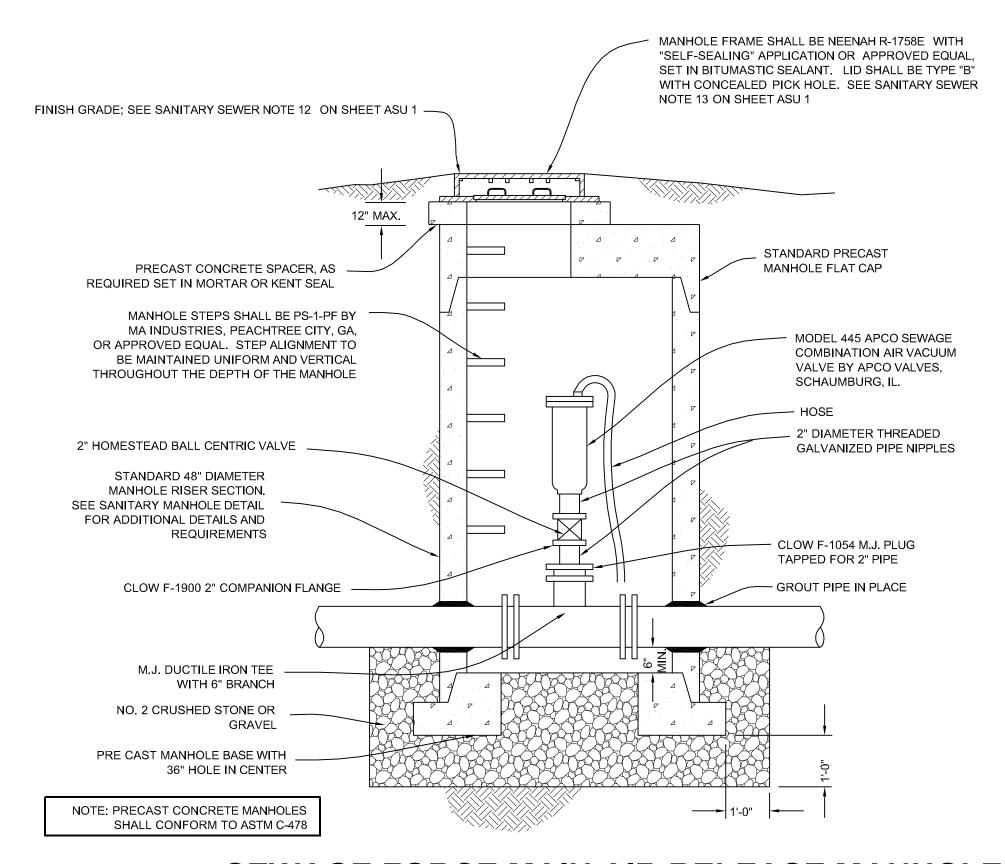
40"-42"

44"-48"



INSIDE DROP MANHOLE DETAIL

(EXISTING MANHOLES ONLY) NOT TO SCALE



SEWAGE FORCE MAIN AIR RELEASE MANHOLE (FORCEMAIN 4"Ø TO 12"Ø)

NOT TO SCALE

10100182

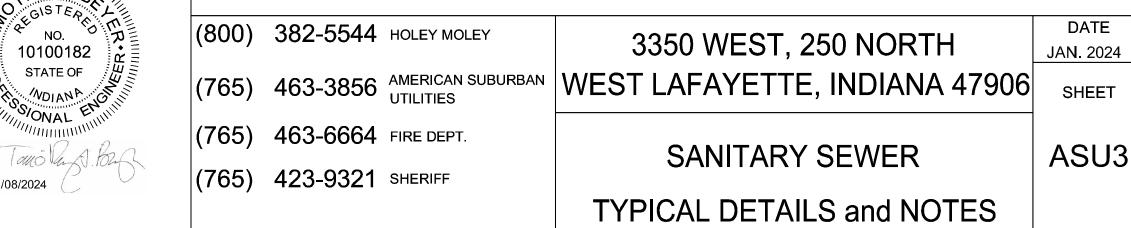
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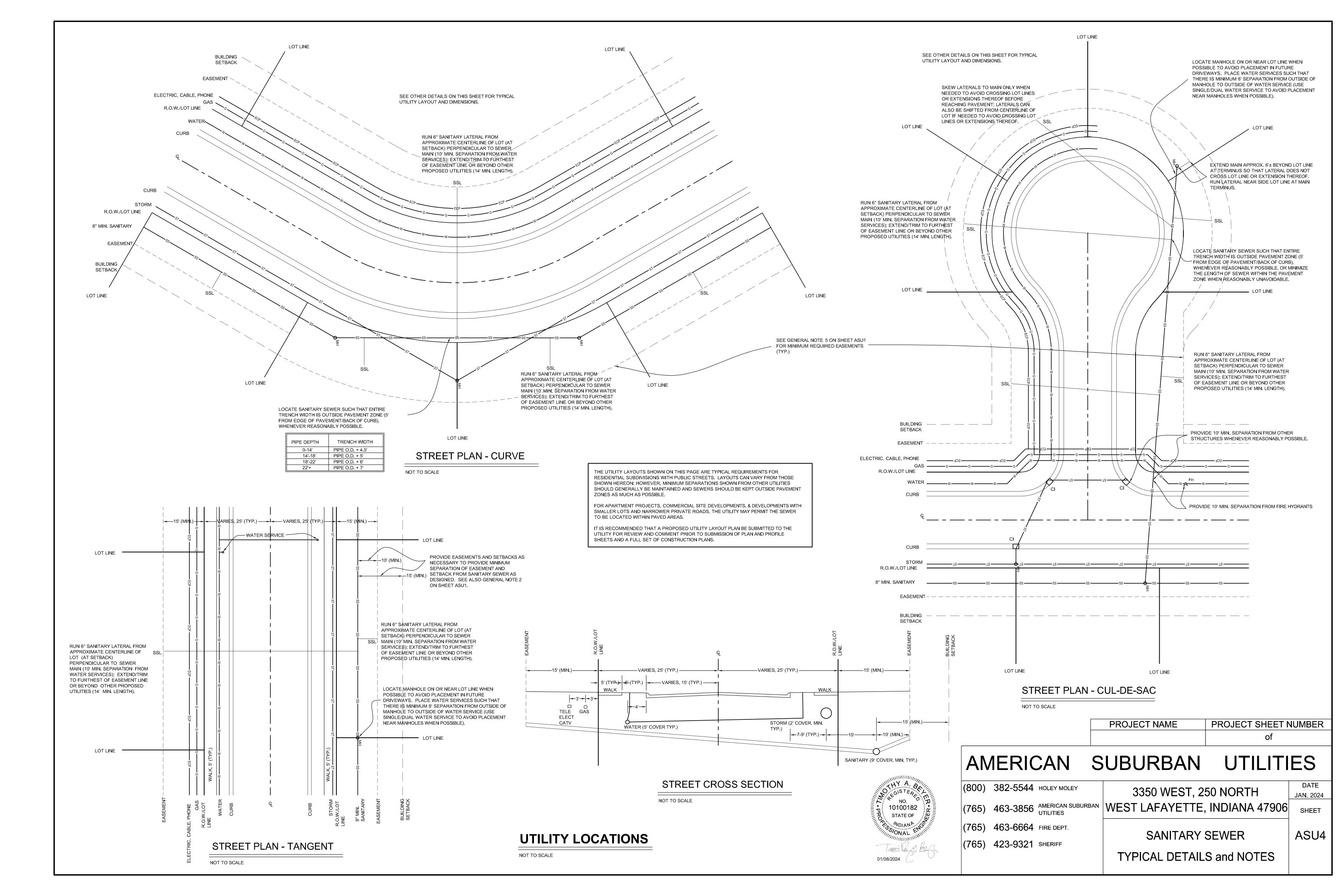
NDIANA

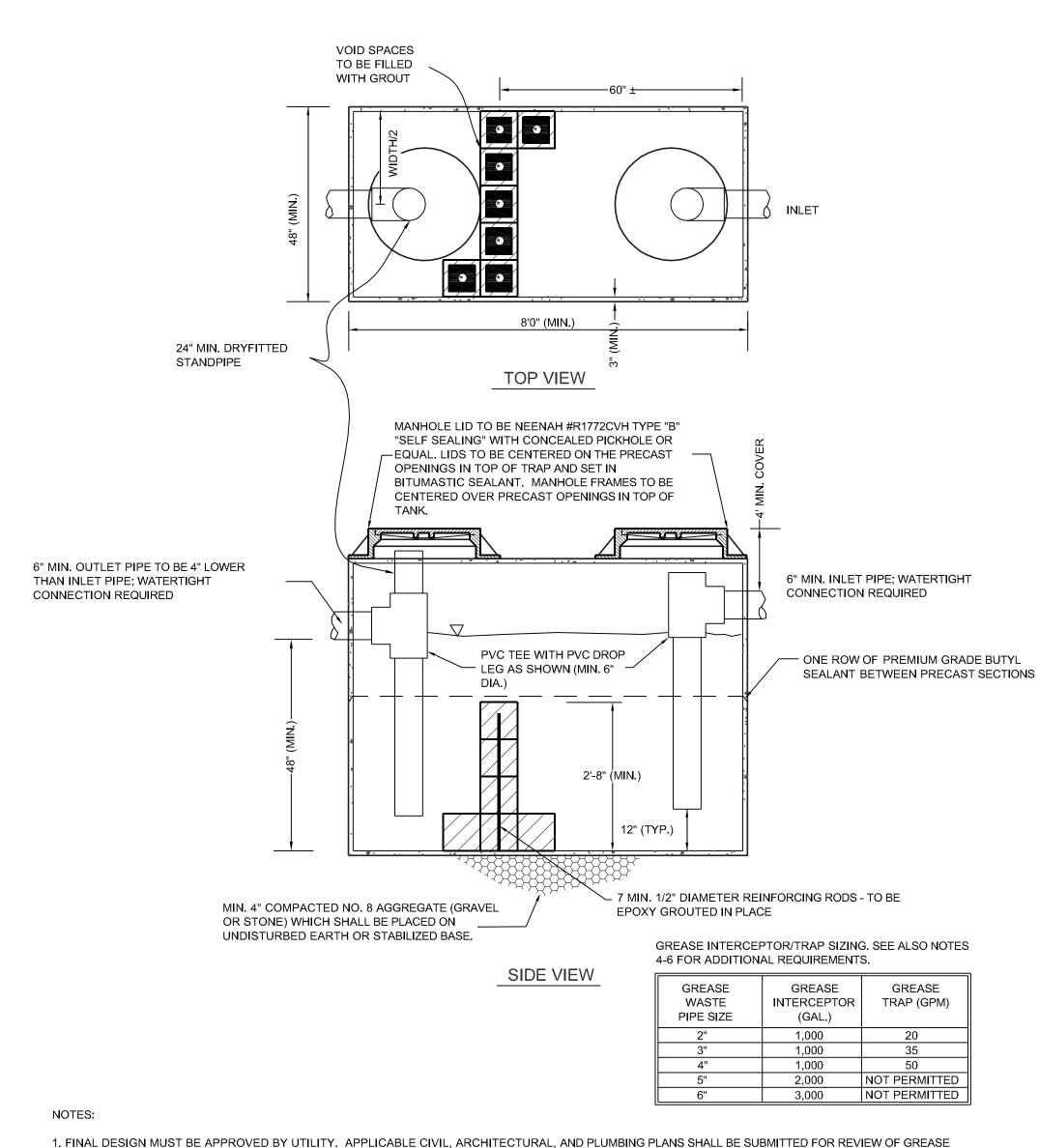
01/08/2024

PROJECT NAME	PROJECT SHEET NUMBER
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AMERICAN SUBURBAN UTILITIES







2. DETAILS SHOW A GENERAL SCHEMATIC LAYOUT.

3. ADEQUATE STRUCTURAL STRENGTH SHALL BE PROVIDED TO ACCOMMODATE VEHICULAR TRAFFIC.

4. GREASE TRAP/INTERCEPTOR SHALL BE SIZED BASED ON GREASE WASTE PIPE SIZE. SEE ACCOMPANYING TABLE. AS AN ALTERNATIVE, GREASE TRAP/INTERCEPTOR MAY BE SIZED USING GUIDELINES IN 2009 OR MORE CURRENT UNIFORM PLUMBING CODE, US. EPA, OR PLUMBING AND DRAINAGE INSTITUTE STANDARD PDI-G101, OR OTHER METHOD REVIEWED AND APPROVED BY UTILITY.

5. GREASE INTERCEPTORS ARE DEFINED AS VAULTS LOCATED ON THE EXTERIOR OF THE BUILDING AND SHALL BE USED INSTEAD OF USING GREASE TRAPS UNLESS OTHERWISE AUTHORIZED, IN WRITING, BY UTILITY. GREASE INTERCEPTORS SHALL BE BY RENSSELAER SEPTIC TANKS, 1211 NORTH WESTON STREET, RENSSELAER, INDIANA OR APPROVED EQUAL . GREASE TRAPS ARE DEFINED AS SMALL RESERVOIRS ON THE INTERIOR OF THE BUILDING BUILT INTO THE WASTEWATER PIPING A SHORT DISTANCE (NOT MORE THAN 25 FEET FROM FURTHEST FIXTURE DRAINED) FROM THE GREASE PRODUCING AREA.

6. ALL WASTEWATER RUNNING FROM NEW OR REMODELED BUILDINGS THAT HAS THE POTENTIAL TO CONTAIN OILS OR GREASE FROM FOOD PREPARATION AREAS SHALL RUN THROUGH A GREASE TRAP OR INTERCEPTOR. THE GREASE TRAP/INTERCEPTOR MUST BE LOCATED SUCH THAT THEY ARE EASILY ACCESSIBLE FOR INSPECTION. A SEPARATE SANITARY SEWER LATERAL FOR DRAIN LINES FROM ALL GREASE-BEARING DRAINS IN FOOD PREPARATION AREAS IS REQUIRED AND SHALL RUN THROUGH THE GREASE TRAP/INTERCEPTOR. THIS INCLUDES BUT MAY NOT BE LIMITED TO MOP SINKS, WOKS, WASH SINKS, PREP SINKS, UTILITY SINKS, PRE-RINSE SINKS, CAN WASHES, AND FLOOR DRAINS IN FOOD PREPARATION AREAS SUCH AS THOSE NEAR A FRYER OR TILT/STEAM KETTLE. ALL OTHER SANITARY FLOWS SHALL BE DIRECTED TO A SEPARATE SANITARY LATERAL THAT BYPASSES THE GREASE TRAP /INTERCEPTOR. IF A GREASE TRAP/INTERCEPTOR IS INSTALLED ON A LINE THAT DRAINS FROM A FOOD GRINDER, THE TRAP/INTERCEPTOR MUST BE INSTALLED DOWNSTREAM OF AN ADEQUATE SOLIDS INTERCEPTOR.

7. GREASE INTERCEPTORS/TRAPS SHALL BE CHECKED AT LEAST ONCE PER MONTH AND CLEANED AT LEAST ONCE EVERY 90 DAYS OR WHEN THE DEPTH OF GREASE EXCEEDS 1/3 OF THE DEPTH OF THE INTERCEPTOR/TRAP. TRAPS WILL LIKELY NEED TO BE CHECKED AND CLEANED MORE OFTEN (PERHAPS DAILY) DEPENDING ON THE FACILITY USE. ACCUMULATED GREASE SHALL EITHER BE PLACED INTO THE ESTABLISHMENT'S TALLOW DRUMS OR DEPOSITED INTO A PLASTIC GARBAGE BAG, TIED SHUT AND PLACED IN A PLASTIC BUCKET WITH A TIGHT SEALING LID FOR DISPOSAL IN THE GARBAGE DUMPSTER. A LOG OF GREASE INTERCEPTOR/TRAP CLEANING MUST BE MAINTAINED, MADE AVAILABLE FOR INSPECTION, AND SUBMITTED TO THE UTILITY AS REQUIRED. IF A GREASE CLEANING SERVICE IS USED, DATED RECEIPTS MUST BE AVAILABLE FOR INSPECTION.

8. BEST MANAGEMENT PRACTICES FOR MANAGEMENT OF OIL AND GREASE SHALL BE USED AS FOLLOWS:

A. TRAIN KITCHEN STAFF AND OTHER EMPLOYEES ABOUT HOW THEY CAN HELP ENSURE THESE PRACTICES ARE IMPLEMENTED. DOCUMENT THAT EMPLOYEES HAVE BEEN INFORMED.

B. USE WATER TEMPERATURES LESS THAN 140° F IN ALL SINKS, ESPECIALLY THE PRE-RINSE SINK BEFORE THE MECHANICAL DISHWASHER. ALSO, CONSIDER A LOW-TEMPERATURE SANITIZING RINSE DISHWASHER TO REDUCE EMULSIFIED OILS.

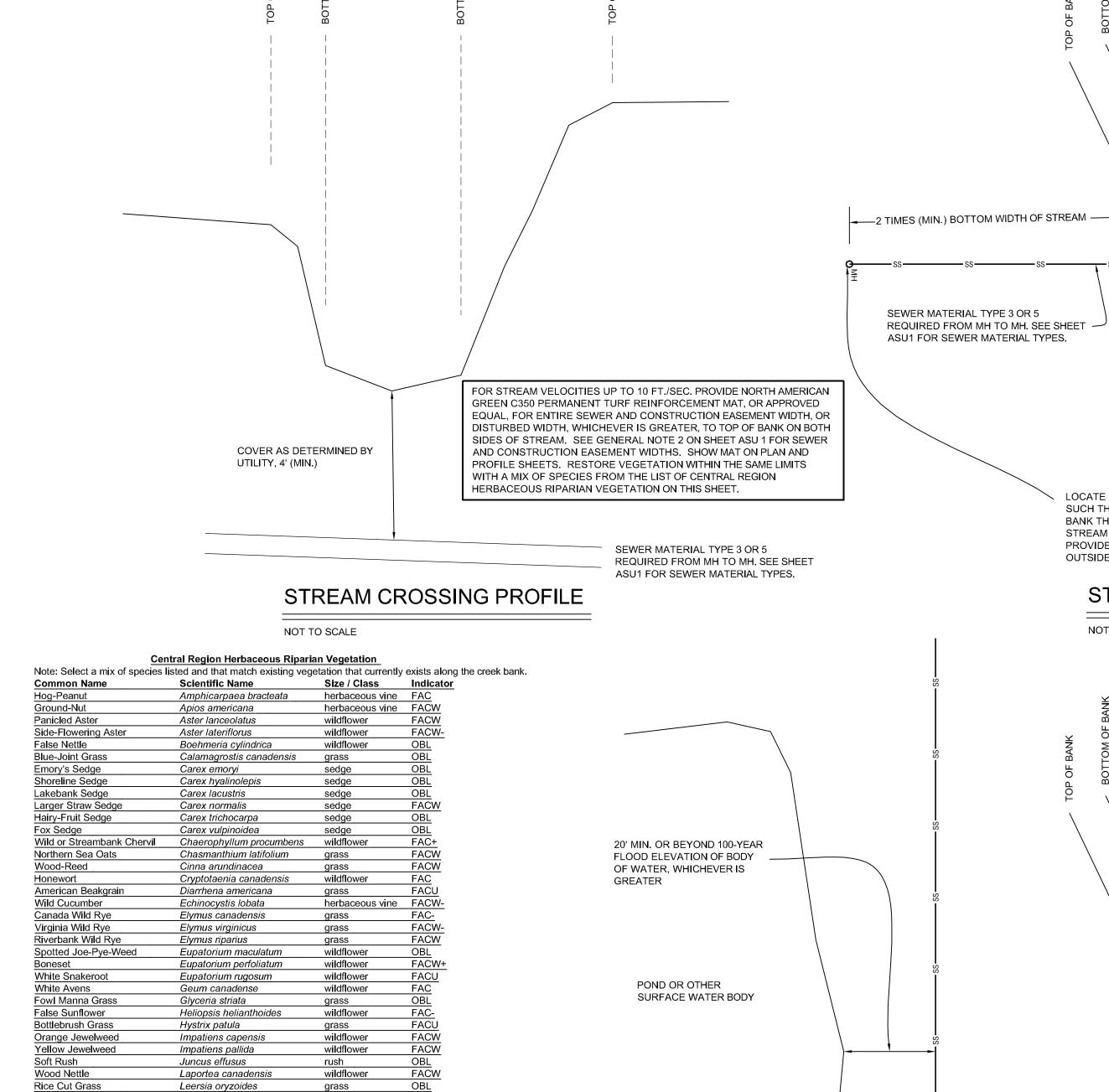
C. USE A 3-COMPARTMENT SINK FOR WARE WASHING. MAKE SURE ALL DRAIN SCREENS ARE INSTALLED AND LINES ARE TRAPPED. BEGIN WITH A HOT WATER (<140° F) ONLY (NO DETERGENT) PRE-RINSE THAT IS TRAPPED TO REMOVE NON-EMULSIFIED OILS AND GREASES FROM WARE WASHING. FOLLOW WITH WASH AND RINSE STEPS. USE PROPER CONCENTRATIONS OF CLEANERS AND DISINFECTANTS AND USE DETERGENTS THAT PROMOTE RAPID OIL/WATER SEPARATION.

D. PRACTICE DRY CLEANUP. REMOVE FOOD WASTE WITH "DRY" METHODS SUCH AS SCRAPING, WIPING, OR SWEEPING BEFORE USING "WET" METHODS. USE FOOD GRADE PAPER TO SOAK UP OIL AND GREASE UNDER FRYER BASKETS AND USE PAPER TOWELS TO WIPE DOWN WORK AREAS. CLOTH TOWELS WILL ACCUMULATE GREASE THAT WILL EVENTUALLY END UP IN YOUR DRAINS FROM TOWEL WASHING/RINSING.

E. PREVENT SPILLS AND REDUCE THE AMOUNT OF OIL AND GREASE REQUIRING CLEAN UP. EMPTY CONTAINERS BEFORE THEY ARE FULL. USE A COVER TO TRANSPORT GREASE TRAP CONTENTS TO THE RENDERING BARREL. PROVIDE EMPLOYEES WITH THE PROPER TOOLS TO TRANSPORT MATERIALS WITHOUT

F. CONTRACT WITH A MANAGEMENT COMPANY TO PROFESSIONALLY CLEAN LARGE HOOD FILTERS. HAND-CLEAN SMALL HOODS WITH SPRAY DETERGENTS AND WIPE DOWN WITH CLOTHS FOR CLEANING. HOOD FILTERS CAN BE EFFECTIVELY CLEANED BY ROUTINELY SPRAYING WITH HOT WATER WITH LITTLE OR NO DETERGENTS OVER THE MOP SINK THAT SHOULD BE CONNECTED TO A GREASE INTERCEPTOR/TRAP. AFTER HOT WATER RINSE (SEPARATELY TRAPPED), FILTER PANELS CAN GO INTO THE DISHWASHER.

G. COLLECT FRYER OIL IN AN OIL-RENDERING TANK FOR DISPOSAL. DO NOT DISCHARGE OIL INTO A GREASE INTERCEPTOR/TRAP.



White Grass_

Great Blue Lobelia

<u>Virginia Blue Bells</u>

Hairy Sweet-Cicely

Switch Grass

Clearweed

Wool-Grass

Cup-Plant_

River Bulrush

Drooping Bulrush

Late Goldenrod

Stinging Nettle

Blue Vervain_

Soft-Stem Bulrush

Prairie Cordgrass

<u>American Germander</u>

Wild Blue Phlox

Green-Headed Coneflower

hree-Lobed Coneflower

Clustered Black-Snakeroot

Dark Green Bulrush

American Bugleweed

Leersia virginica

Lobelia siphilitica

Lycopus americanus

Mertensia virginica

Osmorhiza claytoni

Panicum virgatum

Rudbeckia laciniata

Rudbeckia triloba

Sanicula odorata

Scirpus atrovirens

Scirpus cyperinus

Scirpus fluviatilis

Scirpus pendulus

Silphium perfoliatum

Solidago gigantea Spartina pectinata

Teucrium canadense

Verbesina alternifolia

Urtica Dioica

Verbena hastata

<u>Scirpus va</u>lidus

Phlox divaricata

Pilea pumila

wildflower

wildflower

wildflower

wildflower

wildflower

wildflower

wildflower

bulrush

bulrush

bulrush

bulrush

bulrush

wildflower

wildflower

wildflower wildflower

wildflower

wildflower

FAC+

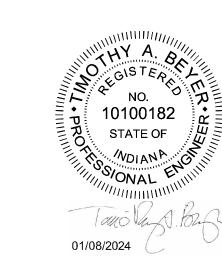
grass wildflower

STREAM CROSSING/SURFACE WATER SEPARATION

SURFACE WATER BODY PLAN

NOT TO SCALE

NOT TO SCALE



PROJECT NAME	PROJECT SHEET NUMBER
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AMERICAN SUBURBAN UTILITIES

BOTTOM WIDTH

LOCATE MANHOLES ON BOTH SIDES OF STREAM CROSSING SUCH THAT THEY ARE AT A DISTANCE FROM THE TOP OF BANK THAT IS AT LEAST 2 TIMES THE BOTTOM WIDTH OF THE

STREAM OR BEYOND FLOODWAY, WHICHEVER IS GREATER.

STREAM CROSSING PLAN

BOTTOM WIDTH

SEWER PARALLEL TO STREAM

OF STREAM

PROVIDE 3 TIMES BOTTOM WIDTH WHEN LOCATED ON AN

OUTSIDE BEND OF STREAM.

NOT TO SCALE

-2 TIMES (MIN.) BOTTOM WIDTH OF STREAM -

LOCATE SEWER SUCH THAT IT IS A DISTANCE FROM THE TOP

OF BANK THAT IS AT LEAST 2 TIMES THE BOTTOM WIDTH OF

THE STREAM OR BEYOND FLOODWAY, WHICHEVER IS

WIDTH WHEN ON AN OUTSIDE BEND OF STREAM.

-2 TIMES (MIN.) BOTTOM WIDTH OF STREAM -

UTILITY CAN REQUIRE GREATER

SEPARATION AT ITS DISCRETION

GREATER. LOCATE MANHOLES AT 3 TIMES THE BOTTOM

OF STREAM

(800)	382-5544	HOLEY MOLEY	2250 M/ECT 250 NODTH	DATE
(333)			3350 WEST, 250 NORTH	JAN. 2024
(765)	463-3856	AMERICAN SUBURBAN	WEST LAFAYETTE, INDIANA 47906	SHEET
(, 55)		UTILITIES	, , , , , , , , , , , , , , , , , , , ,	OHLLI
(765)	463-6664	FIRE DEPT.		A 01 15
(76E)	400 0004	OUEDIEE	SANITARY SEWER	ASU5
(765)	423-9321	SHERIFF		
			TYPICAL DETAILS and NOTES	

GREASE INTERCEPTOR (COMMERCIAL)

NOT TO SCALE