

DOC NCCF KITCHEN GREASE PIT REPLACEMENT

DAS PROJECT NO: 9303.00

NORTH CENTRAL CORRECTIONAL FACILITY
313 LANEDALE
ROCKWELL CITY, IA 50579

Sheet List Table	
Sheet Number	Sheet Title
C000	COVER SHEET
C001	CONSTRUCTION NOTES
CD01	DEMOLITION PLAN
C101	SITE PLAN
C301	UTILITY PLAN
C302	UTILITY PROFILE
C501	CONSTRUCTION DETAILS

CONTACT INFORMATION

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CONSTRUCTION MANAGER

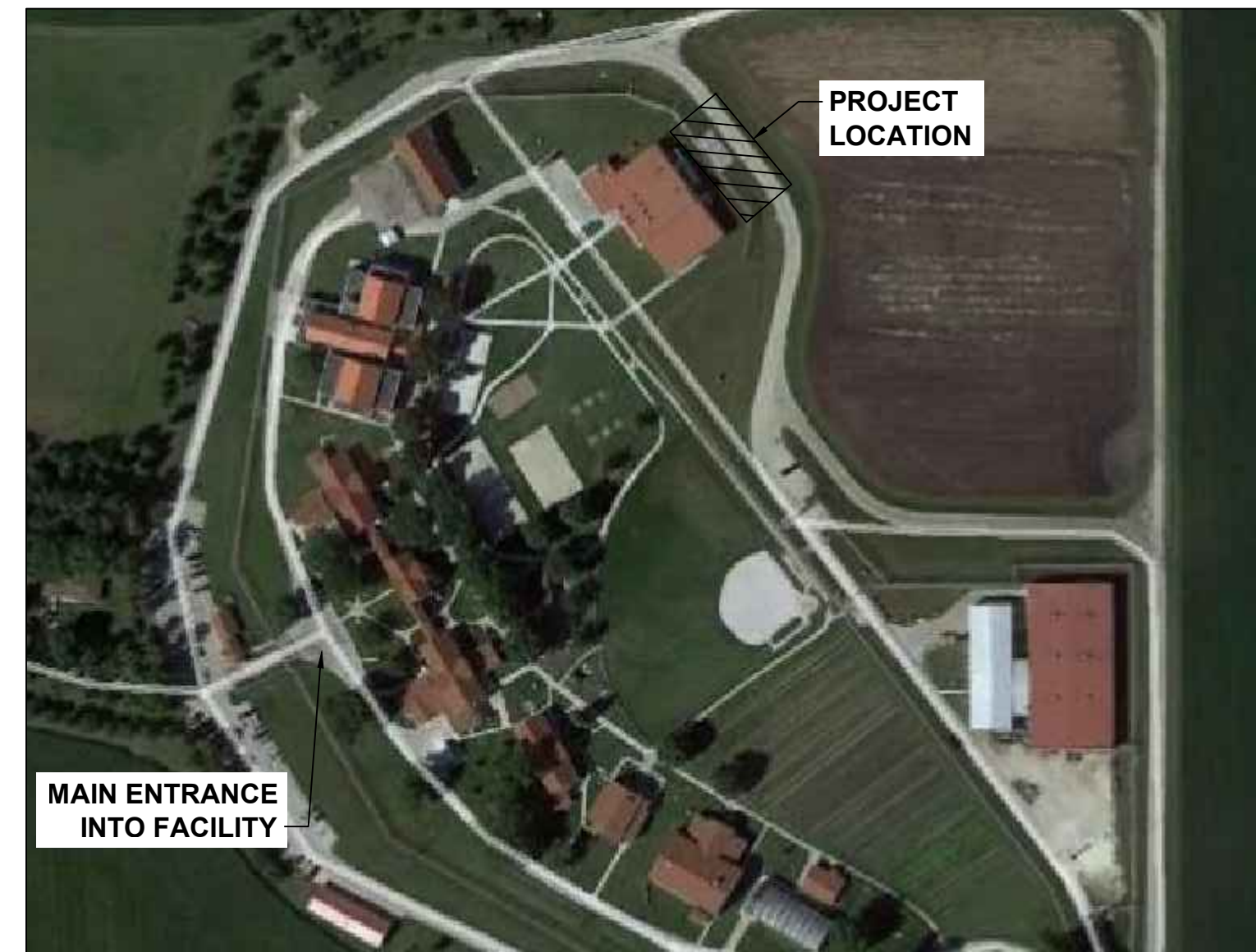
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NORTH CENTRAL CORRECTIONAL FACILITY
313 LANEDALE
ROCKWELL CITY, IA 50579



VICINITY MAP
NTS



PROJECT MAP
NTS

GENERAL NOTES

- THE LOCATIONS OF UTILITY MAINS, STRUCTURES AND SERVICE CONNECTIONS PLOTTED ON THE DRAWINGS ARE APPROXIMATE ONLY AND WERE OBTAINED FROM RECORDS MADE AVAILABLE TO SHIVE-HATTERY, INC. THERE MAY BE OTHER EXISTING UTILITY MAINS, STRUCTURES AND SERVICE CONNECTIONS NOT KNOWN TO SHIVE-HATTERY, INC. AND NOT SHOWN ON THE DRAWINGS. THE VERIFICATION OF EXISTENCE OF AND THE DETERMINATION OF THE EXACT LOCATION OF UTILITY MAINS, STRUCTURES AND SERVICE CONNECTIONS SHALL BE THE RESPONSIBILITY OF THE CONSTRUCTION CONTRACTOR(S).
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL UNCOVER EXISTING UTILITIES AT CRITICAL LOCATIONS TO VERIFY EXACT HORIZONTAL AND VERTICAL LOCATION.
- THE FACILITY WILL COMPLETE PRIVATE UTILITY LOCATES OF ALL FACILITY UTILITIES REQUIRED BY IOWA ONE-CALL. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE ALL LOCATES AND CONFIRM THEY ARE COMPLETED PRIOR TO THE START OF CONSTRUCTION.
- IOWA CODE 480, UNDERGROUND FACILITIES INFORMATION, REQUIRES VERBAL NOTICE TO IOWA ONE-CALL BY CALLING 811 OR 1-800-292-8989 NOT LESS THAN 48 HOURS BEFORE EXCAVATING, EXCLUDING WEEKENDS AND HOLIDAYS.
- NOTIFY UTILITY COMPANIES WHOSE FACILITIES ARE SHOWN ON THE PLANS OR KNOWN TO BE WITHIN THE CONSTRUCTION LIMITS OF THE SCHEDULE PRIOR TO EACH STAGE OF CONSTRUCTION.
- UNLESS OTHERWISE SPECIFIED, ALL WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MOST RECENT EDITION OF IOWA STATEWIDE URBAN DESIGN AND SPECIFICATIONS (SUDAS).
- ALL WORK AND MATERIALS SHALL COMPLY WITH ALL CITY/COUNTY/STATE REGULATIONS/CODES AND OSHA STANDARDS.
- THE MEANS OF THE WORK AND THE SAFETY OF THE CONTRACTOR'S EMPLOYEES ARE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.
- NO WORK SHALL BE PERFORMED BEYOND THE PROJECT LIMITS WITHOUT PRIOR AUTHORIZATION FROM THE OWNER'S REPRESENTATIVE.
- PROTECT EXISTING UTILITIES DURING CONSTRUCTION.
- MAINTAIN POSITIVE DRAINAGE ON THE SITE THROUGHOUT THE PROJECT DURATION.
- SITE CLEAN-UP SHALL BE PERFORMED ON A DAILY BASIS. DRIVES, ROADWAYS, ETC. SHALL BE KEPT CLEAN AT ALL TIMES.
- ALL OPEN EXCAVATIONS SHALL BE PROTECTED.

- REPAIR OR REPLACE DAMAGED SITE FEATURES (WALLS, PAVEMENT, UTILITIES, FENCES, ETC.) TO REMAIN AT NO ADDITIONAL EXPENSE TO THE STATE.
- ANY WORK REQUIRED TO COMPLETE THE SCOPE OF THIS PROJECT BUT NOT SPECIFICALLY CALLED OUT SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT. NO ADDITIONAL COMPENSATION TO BE ALLOWED FOR THE COMPLETION OF THIS WORK.
- WORK WHICH DOES NOT CONFORM TO THE REQUIREMENTS OF THE CONTRACT WILL BE CONSIDERED UNACCEPTABLE. UNACCEPTABLE WORK, WHETHER THE RESULT OF POOR WORKMANSHIP, USE OF DEFECTIVE MATERIALS, DAMAGE THROUGH CARELESSNESS OR ANY OTHER CAUSE FOUND TO EXIST PRIOR TO THE FINAL ACCEPTANCE OF THE WORK SHALL BE REMOVED AND REPLACED IN AN ACCEPTABLE MANNER AS REQUIRED BY THE OWNER'S REPRESENTATIVE AT THE CONTRACTOR'S EXPENSE. WORK DONE CONTRARY TO THE INSTRUCTIONS OF THE OWNER'S REPRESENTATIVE, WORK DONE BEYOND THE LINES SHOWN ON THE PLANS OR ANY EXTRA WORK DONE WITHOUT WRITTEN AUTHORIZATION WILL NOT BE PAID FOR.
- CONTOURS AND SPOT ELEVATIONS SHOWN ARE TO FINISHED GRADE.
- THE CONTRACTOR SHALL MATCH EXISTING GRADES AT THE CONSTRUCTION LIMITS.
- STAGING LOCATIONS AND CONSTRUCTION ACCESS ROUTES FOR CONSTRUCTION EQUIPMENT AND MATERIALS SHALL BE COORDINATED WITH AND APPROVED BY THE FACILITY AND CONSTRUCTION MANAGER.
- THE CONTRACTOR SHALL PROVIDE EROSION CONTROL MEASURES NECESSARY TO PROTECT AGAINST SILTATION, EROSION AND DUST POLLUTION ON THE PROJECT SITE AND ANY OFF-SITE BORROW OR DISPOSAL AREAS USED FOR THIS PROJECT. COMPLY WITH SOIL EROSION CONTROL REQUIREMENTS OF IOWA CODE, FEDERAL REGULATIONS AND LOCAL ORDINANCES.
- ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE SEEDED PER THE SPECIFICATIONS. A MINIMUM OF 6" OF TOPSOIL SHALL BE PROVIDED PER SPECIFICATIONS.
- CONTROL DUST SPREADING FROM ALL WORK AND STAGING AREAS.
- CONTRACTOR TO COORDINATE ANY SITE, UTILITY OR GRADE ADJUSTMENTS WITH THE CONSTRUCTION MANAGER PRIOR TO PROCEEDING WITH THE WORK.
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OF WORK OF ALL SUBCONTRACTOR(S) INVOLVED ON THE PROJECT.
- SIGNING, STRIPING OR OTHER TRAFFIC CONTROL DEVICES ON THE ROADWAY SHOULD CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD, FEDERAL HIGHWAY ADMINISTRATION, 2009 EDITION)

Legend

EXISTING	DESCRIPTION	PROPOSED
	TREE	
	TREE REMOVAL	
	LIGHT POLE	
	BOLLARD	
	FIRE HYDRANT	
	VALVE	
	CLEANOUT	
	CURB INTAKE	
	STORM INTAKE	
	FLARED END SECTION	
	DRAINAGE MANHOLE	
	SANITARY MANHOLE	
	TRANSFORMER	
	CURB AND GUTTER (PCC)	
	MAJOR CONTOUR	
	MINOR CONTOUR	
	ELECTRICAL LINE	
	GAS MAIN	
	SANITARY SEWER	
	STORM SEWER	
	WATER MAIN	
	BUILDING	
	PCC PAVING	
	PAVING DEMO	

CIVIL ENGINEER

	I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT DESCRIBED BELOW WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA. Signature: <i>Chris Bauer</i> Date: 4-10-2023
	Printed or typed name: CHRISTOPHER R. BAUER License Number: 19737 My License Renewal Date is: DECEMBER 31, 2023 PAGES, SHEETS OR DIVISIONS COVERED BY THIS SEAL: ALL SHEETS

SHIVE-HATTERY
ARCHITECTURE+ENGINEERING

DOC NCCF KITCHEN
GREASE PIT REPLACEMENT

IOWA DEPARTMENT OF ADMINISTRATIVE SERVICES
9303.00
313 LANEDALE, ROCKWELL CITY, IA 50579

DRAWN BY	KAL
APPROVED BY	CRB
ISSUED FOR	CONSTRUCTION
ISSUE DATE	04-07-2023
PROJECT NUMBER	4216861
FIELD BOOK	

COVER SHEET

C000

CONSTRUCTION STAGING NOTES

- 1. CONTRACTOR TO COORDINATE CONSTRUCTION ACCESS, STAGING AND CONSTRUCTION PARKING AREAS WITH FACILITY AND CONSTRUCTION MANAGER AND MINIMIZE IMPACTS TO FACILITY'S OPERATIONS.
2. CONTRACTOR SHALL REPLACE ALL ADJACENT PAVEMENT DAMAGED BY CONSTRUCTION ACTIVITIES AT THE END OF CONSTRUCTION. CONTRACTOR TO PROVIDE PHOTO DOCUMENTATION OF EXISTING CONDITIONS PRIOR TO BEGINNING WORK.
3. CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS NOT TO BE PAVED TO THEIR ORIGINAL GRADES AND CONDITION AT THE END OF CONSTRUCTION. ALL DISTURBED AREAS SHALL BE SCARIFIED, TILLED AND SEEDED.
4. CONTRACTOR SHALL PROVIDE TEMPORARY BARRICADES, FENCING OR OTHER DEVICES TO KEEP UNAUTHORIZED PERSONNEL OUT OF PROJECT SITE.

TRAFFIC AND PEDESTRIAN CONTROL NOTES

- 1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTROL TRAFFIC DURING CONSTRUCTION AND PROVIDE ADEQUATE TRAFFIC AND PEDESTRIAN CONTROL AND SIGNAGE. AT A MINIMUM, CONTRACTOR TO PROVIDE TYPE III BARRICADES AT EACH END OF CLOSED ROADS AND DRIVES. COORDINATE ROAD CLOSURE REQUIREMENTS WITH FACILITY.
2. AT A MINIMUM, CONTRACTOR TO INSTALL AND MAINTAIN ORANGE CONSTRUCTION FENCE AROUND ALL AREAS OF ACTIVE CONSTRUCTION. CONTRACTOR SHALL ASSUME PEDESTRIAN TRAFFIC WILL BE IN THE AREA THROUGHOUT THE PROJECT DURATION.

DEMOLITION NOTES

- 1. REMOVAL REQUIREMENTS SHOWN ON THE PLANS SHOULD BE CONSIDERED MINIMUM REMOVAL AND REPLACEMENT REQUIREMENTS. CONTRACTORS SHALL ADJUST REMOVAL LIMITS AND DIMENSIONS AS REQUIRED BY CONSTRUCTION MEANS AND METHODS AND ACTUAL SITE CONDITIONS. CONTRACTORS SHOULD FACTOR ADDITIONAL ANTICIPATED REMOVAL AND REPLACEMENT REQUIREMENTS INTO THEIR BIDS AS ADDITIONAL COMPENSATION REQUESTS FOR ADJUSTED OR EXPANDED REMOVAL LIMITS WILL NOT BE APPROVED.
2. CONTRACTOR SHALL REPLACE AT NO COST TO THE STATE ALL DAMAGED STREETS, DRIVES, SIGNS, LIGHTS, FENCES AND ALL OTHER SURFACE STRUCTURES NOT SCHEDULED TO BE REMOVED DURING THE COURSE OF THE WORK.
3. THE CONTRACTOR SHALL COORDINATE ANY DISRUPTION OF EXISTING UTILITIES SERVING THE FACILITY WITH THE FACILITY AND CONSTRUCTION MANAGER.
4. SITE LIGHTING SHALL BE MAINTAINED AT ALL TIMES THROUGHOUT CONSTRUCTION. IF SITE ELECTRICAL LINES REQUIRE RELOCATION, WORK SHALL BE COMPLETED SUCH THAT THERE ARE NO OUTGAGES OF SITE LIGHTING DURING EVENING OR NIGHT HOURS.
5. ALL COMPONENTS OF MANHOLE ENTRY TIE OFF STRUCTURE, INCLUDING METAL STRUCTURE AND FOOTINGS, TO BE REMOVED AND DISPOSED OF OFFSITE.
6. REMOVE AND DISPOSE OF THE LIDS, MANHOLE EXTENSIONS, AND THE CONCRETE TANK CAPS OF THE TWO EXISTING GREASE INTERCEPTORS. ALL INLET AND OUTLET PIPES SHOULD BE PERMANENTLY CAPPED WITH PIPE FITTINGS OR CONCRETE. TANKS SHOULD BE ABANDONED IN PLACE AND FILLED WITH COMPACTED SAND OR GRANULAR MATERIAL TO THE TOPS OF THE TANK WALLS. COMPACTED SOIL MATERIAL CAN BE PLACED ABOVE STRUCTURES.

EXCAVATION NOTES

- 1. EXCAVATE GREASE INTERCEPTOR AND PROPOSED BEDDING AND BACKFILL MATERIAL PER MANUFACTURER RECOMMENDATIONS OR AS REQUIRED BY DRAWINGS AND SPECIFICATIONS. SAND BACKFILL OF NEW GREASE INTERCEPTOR STRUCTURE WILL NOT BE ALLOWED AND SHOULD BE SUBSTITUTED WITH GRANULAR MATERIAL.
2. EXCAVATE TRENCH AND PROVIDE PIPE BEDDING AND BACKFILL MATERIAL PER IOWA SUDAS SPECIFICATIONS UNLESS OTHERWISE SHOWN ON THE DRAWINGS.
3. STRIP, STOCKPILE AND RESPREAD A MINIMUM OF 6" OF TOPSOIL IN ALL SEEDING AREAS DISTURBED BY CONSTRUCTION. GRADE ALL DISTURBED AREAS TO DRAIN, AS PONDING OF WATER WILL NOT BE ACCEPTABLE.
4. CONTRACTOR IS RESPONSIBLE FOR ALL BACKFILL AND FILL SETTLEMENT FOR THE PROJECT'S ONE YEAR WARRANTY PERIOD. CONTRACTOR SHALL PROVIDE ADDITIONAL FILL MATERIAL AND IS RESPONSIBLE FOR RESEEDING OF ALL SETTLEMENT AREAS AFTER SITE RESTORATION HAS BEEN COMPLETED.
5. ALL DEBRIS, ROCK OR CONCRETE WASTE, AND EXCESS SOIL SHALL BE DISPOSED OF OFF SITE.

GRADING AND EROSION CONTROL NOTES

- 1. ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, TANK CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED OF OFFSITE.
2. SUFFICIENT OIL AND GREASE ABSORBING MATERIALS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN UP FUEL OR CHEMICAL SPILLS AND LEAKS.
3. DUST ON THE SITE SHALL BE CONTROLLED. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.
4. RUBBISH, TRASH, GARBAGE, LITTER OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORMWATER DISCHARGE INTO DRAINAGE DITCHES OR WATERS OF THE STATE.
5. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
6. ALL STORM SEWER INTAKES THAT RECEIVE STORMWATER RUNOFF FROM DISTURBED AREAS SHALL BE PROVIDED WITH INLET PROTECTION.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION, PERIODIC CHECKING AND REINSTALLATION OF EROSION AND SEDIMENTATION CONTROL MEASURES.
8. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE IOWA DNR, US EPA AND LOCAL REGULATIONS DEALING WITH STORMWATER RUNOFF AND EROSION CONTROL.
9. THE DISTURBED CONSTRUCTION AREA IS LESS THAN 1 ACRE, SO AN NPDES GENERAL PERMIT NO. 2 AND STORMWATER POLLUTION PREVENTION PLAN (SWPPP) ARE NOT REQUIRED. HOWEVER, THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING AND MAINTAINING ADEQUATE EROSION CONTROL THROUGHOUT CONSTRUCTION.

UTILITY NOTES

- 1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE EXACT LOCATIONS AND DEPTHS OF ALL EXISTING PUBLIC AND PRIVATE UTILITIES AND WHETHER ADDITIONAL UTILITIES EXIST.
2. ALL CLEANOUTS IN LAWN OR GRANULAR AREAS SHALL HAVE CONCRETE COLLARS.
3. ALL EXISTING AND PROPOSED PUBLIC AND PRIVATE UTILITY STRUCTURES SHALL BE ADJUSTED TO FINAL FINISH GRADES.
4. ALL PIPE BENDS AND CONNECTIONS SHALL BE MANUFACTURED CONNECTIONS.
5. CONTRACTOR TO MODIFY PROPOSED PIPE AND STRUCTURE INVERTS TO ACCOMMODATE EXISTING PIPE CONNECTIONS.
6. ALL UNDERGROUND LINES SHALL BE INSTALLED, DOCUMENTED, REVIEWED BY CONSTRUCTION MANAGER, AND APPROVED BEFORE BACKFILLING.
7. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH IOWA SUDAS STANDARD SPECIFICATIONS, UNLESS OTHERWISE NOTED ON THE DRAWINGS OR SPECIFICATIONS.
8. ALL OPEN EXCAVATIONS SHALL BE PROTECTED WITH SAFETY FENCE, BARRIERS OR BARRICADES IN ACCORDANCE WITH OSHA STANDARDS.
9. CONTRACTOR TO IMPLEMENT TEMPORARY SHORING OR SUPPORT AT ALL EXCAVATIONS AS REQUIRED BY CONTRACTOR'S MEANS AND METHODS. ALL DAMAGE TO EXISTING SITE IMPROVEMENTS AND UTILITIES SHALL BE REPAIRED AT NO ADDITIONAL COST TO THE STATE.

SPECIFICATIONS

THE MOST RECENT EDITION OF THE IOWA STATEWIDE URBAN DESIGN AND SPECIFICATIONS (SUDAS) SHALL APPLY TO ALL SITE WORK PERFORMED ON THIS PROJECT EXCEPT AS MODIFIED HEREIN.

A. CONCRETE PAVING

CONCRETE: MATERIALS AND MIXING FOR ALL CONCRETE WORK, UNLESS OTHERWISE SPECIFIED, SHALL CONFORM TO IOWA DOT SPECIFICATIONS FOR AIR-ENTRAINED TYPE C-4 MIX WITH TYPE I CEMENT

FLY ASH: (CONTRACTOR'S OPTION AS ADDITIONAL PAYMENT WILL NOT BE PROVIDED IF FLY ASH IS NOT AVAILABLE) - ASTM C618, TYPE C, NOT TO EXCEED 15% OF CEMENTITIOUS MATERIAL.

COARSE AGGREGATE DURABILITY SHALL BE CLASS III, 3/4" MAX.

COMPRESSIVE STRENGTH: 2800 PSI @ 7 DAYS AND 4000 PSI @ 28 DAYS

SLUMP: 3" ± 1" or 8" MAXIMUM WITH SUPER PLASTICIZER.

AIR CONTENT: 7.0% ± 1.0%

WATER/CEMENT RATIO: NOT TO EXCEED 0.53

FINISH: MATCH EXISTING FINISH FOR ROADWAY AND DRIVE PATCHING.

TESTING - ONE SET OF TEST CYLINDERS REQUIRED FOR EACH 100 C.Y. OR PORTION THEREOF, OF CONCRETE POURED PER WORK LOCATION. CONCRETE TESTING TO BE DONE AND PAID FOR BY OWNER. CONTRACTOR SHALL COORDINATE AND SCHEDULE ALL REQUIRED TESTING AND GEOTECHNICAL WORK.

SURFACE CURING: CONTRACTOR SHALL APPLY WHITE PIGMENT LIQUID CURING COMPOUND IN A FINE SPRAY TO FORM CONTINUOUS UNIFORM FILM AFTER FINISHING AND SURFACE MOISTURE HAS DISAPPEARED, OR WITHIN 30 MINUTES AFTER FORMS ARE REQUIRED.

JOINTING: INSTALL JOINT LAYOUT TO MATCH EXISTING.

INSTALL TYPE 'RD' JOINTS AT ALL SIDES ABUTTING EXISTING PAVEMENT.

INSTALL TYPE 'CD' DOWELED CONTRACTOR JOINT FOR ALL NEW TRANSVERSE JOINTS.

PROVIDE OWNERS REPRESENTATIVE WITH CONCRETE MIX DESIGN FOR APPROVAL.

B. SITE REMOVALS AND ABANDONMENTS

GREASE WASTE SYSTEM MAY BE SHUT DOWN FOR A MAXIMUM OF THREE (3) DAYS TO ACCOMMODATE WORK THAT NEEDS TO BE PERFORMED WHILE THE SYSTEM IS SHUT DOWN. SYSTEM SHUTDOWN TO BE COMMUNICATED TO FACILITY A MINIMUM OF TWO (2) WEEKS PRIOR TO BEGINNING OF SHUTDOWN AND MUST BE COORDINATED WITH FACILITY AND CONSTRUCTION MANAGER.

SANITARY SEWER TO BE ABANDONED SHALL BE PERMANENTLY CAPPED WITH MANUFACTURED PIPE FITTINGS OR ENGINEER APPROVED CONCRETE CAPS.

EXISTING GREASE INTERCEPTORS CONCRETE LIDS, RISERS, MANHOLES AND CLEANOUTS TO BE REMOVED IN THEIR ENTIRETIES AND DISPOSED OF OFFSITE.

PRIOR TO ABANDONMENT, ALL LIQUID AND GREASE CONTENTS WITHIN EXISTING GREASE INTERCEPTORS SHALL BE PUMPED OUT AND FLOORS AND WALLS SHALL BE POWER WASHED OR SCRAPPED CLEAN. A MINIMUM OF SIX (6) HOLES SHALL BE DRILLED OR BROKEN IN THE FLOORS OF THE EXISTING TANKS TO ALLOW FOR WATER EXFILTRATION. THE STRUCTURES SHALL BE COMPLETELY FILLED WITH COMPACTED SAND OR GRANULAR MATERIAL AND THEN COVERED WITH COMPACTED SOIL.

ALL EXISTING GRANULAR SURFACING TO BE REMOVED AND DISPOSED OF PRIOR TO SITE RESTORATION AND REPLACED WITH TOPSOIL FOR ALL SEEDED AREAS.

C. GREASE INTERCEPTOR

REFER TO PROJECT MANUAL AND SANITARY WASTE PIPING SPECIALTIES TECHNICAL SPECIFICATION SECTION FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

INSTALL GREASE INTERCEPTOR AND ALL ASSOCIATED COMPONENTS ACCORDING TO ALL MANUFACTURER RECOMMENDATIONS AND ACCORDING TO DRAWING AND SPECIFICATION REQUIREMENTS.

GREASE INTERCEPTOR DESIGN BASIS IS A SCHIER MODEL GB-1000 GREASE INTERCEPTOR. CONTRACTORS MAY SUBMIT EQUIVALENT MODELS FOR APPROVAL BY ENGINEER.

GREASE INTERCEPTOR SHALL HAVE MANUFACTURER APPROVED ANTI-FLOTATION STRAPS INSTALLED.

CONTRACTOR IS RESPONSIBLE FOR ALL DEWATERING, WHICH MAY BE REQUIRED INCIDENTAL TO THE TANK INSTALLATION.

D. SANITARY SEWER / GREASE WASTE PIPING

VERIFY THE EXACT LOCATIONS AND DEPTHS OF ALL EXISTING PIPES PRIOR TO CONSTRUCTION OF PROPOSED IMPROVEMENTS. ADJUST PROPOSED ELEVATIONS AND LOCATIONS AS REQUIRED BASED ON EXISTING CONDITIONS.

SANITARY SEWER PIPING MATERIALS AND INSTALLATION SHALL CONFORM TO SUDAS STANDARDS.

SANITARY SEWER PIPING SHALL BE SOLID WALL POLYVINYL CHLORIDE PIPE (PVC) SDR 26 WITH A MINIMUM PIPE STIFFNESS OF 115 PSI. PER ASTM D 2412.

E. VENT PIPING

VENT PIPING SHALL BE SCHEDULE 40 PVC FOR ENTIRE LENGTH OF VENT PIPING.

ENCLOSE BASE OF ABOVE-GROUND VENT PIPING IN PROTECTIVE METAL SHROUD FOR A MINIMUM OF 4' FROM GROUND SURFACE TO PROTECT FROM LAWN MAINTENANCE EQUIPMENT. SUBMIT PROPOSED METAL SHROUD FOR APPROVED BY ENGINEER.

MOUNT VENT PIPING TO POLE WITH STAINLESS STEEL STRAPS AND STAINLESS STEEL HARDWARE. PIPE SUPPORT TO BE A MAXIMUM OF 8' ALONG POLE AND

ROUTE VENT PIPING PIPING TO 3' ABOVE TOP OF POLE AND INSTALL A MINIMUM OF ONE ADDITIONAL STRAP TO FIRMLY SECURE TO POLE.

CUT AND REMOVE PORTIONS OF EXISTING POLE CONCRETE BASE TO ALLOW FOR ROUTING OF VENT UP SIDE OF POLE.

F. TRENCH EXCAVATION AND BACKFILL

BEDDING AND BACKFILL MATERIAL: SHALL COMPLY WITH IOWA SUDAS SECTION 3010.

BACKFILL COMPACTION REQUIREMENTS: AREAS UNDER LANDSCAPING AND LAWN AREAS SHALL BE COMPACTED TO 90% OF MAXIMUM STANDARD PROCTOR DENSITY.

CONTRACTOR IS RESPONSIBLE FOR ALL DEWATERING, WHICH MAY BE REQUIRED INCIDENTAL TO THE PIPE INSTALLATION.

G. TOPSOIL

STRIP, STOCKPILE AND RESPREAD EXISTING TOPSOIL IN ALL AREAS TO BE SEEDED. THE DEPTH OF TOPSOIL SHALL BE A MINIMUM OF 6" AFTER NATURAL SETTLEMENT AND SHALL CONFORM SMOOTHLY TO THE ADJACENT LINES, GRADES AND ELEVATIONS. PROVIDE ADDITIONAL TOPSOIL AS REQUIRED OR IF EXISTING TOPSOIL IS NOT PROPERLY HANDLED AND PROTECTED.

H. SITE RESTORATION

HYDRAULIC SEEDING: ALL DISTURBED AREAS ON THE SITE NOT TO BE PAVED OR LANDSCAPED SHALL RECEIVE HYDRAULIC SEEDING. HYDRAULIC SEEDING MATERIALS AND INSTALLATION SHALL MEET SUDAS SPECIFICATIONS. CONTRACTOR IS RESPONSIBLE FOR PREPARING SEEDBED, APPLYING HYDRAULIC SEEDING AND FIRST AND SECOND APPLICATIONS OF FERTILIZER.

SEED MIXTURE: SUDAS TYPE 1 SEED MIXTURE (PERMANENT LAWN MIXTURE) OR APPROVED EQUAL.

I. GRANULAR SURFACING

MATERIALS AND INSTALLATION TO MEET IDOT SPECIFICATION 4120, CLASS A ROADSTONE OR APPROVED EQUAL.

THE MOST RECENT EDITION OF THE IOWA STATEWIDE URBAN DESIGN SPECIFICATIONS FOR PUBLIC IMPROVEMENTS SHALL APPLY TO ALL WORK PERFORMED ON THIS PROJECT EXCEPT AS MODIFIED HEREIN.

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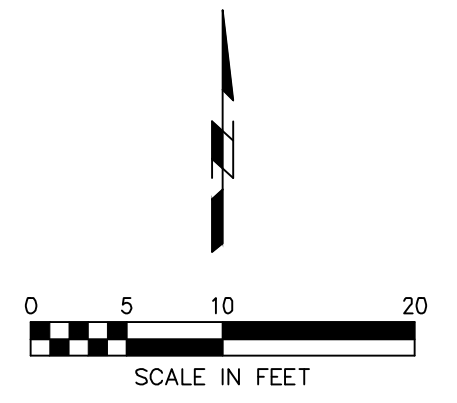
SHIVEHATTERY ARCHITECTURE + ENGINEERING 4125 WESTTOWN PKWY, SUITE 100 WEST DES MOINES, IOWA 50266 515.223.8104 | SHIVEHATTERY.COM

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Table with 2 columns: Field Name (DRAWN BY, APPROVED BY, ISSUED FOR, ISSUE DATE, PROJECT NUMBER, FIELD BOOK) and Value (KAL, CRB, CONSTRUCTION, 04-07/2023, 4216861, ..)

CONSTRUCTION NOTES C001

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DRAWN BY	KAL
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FIELD BOOK	...

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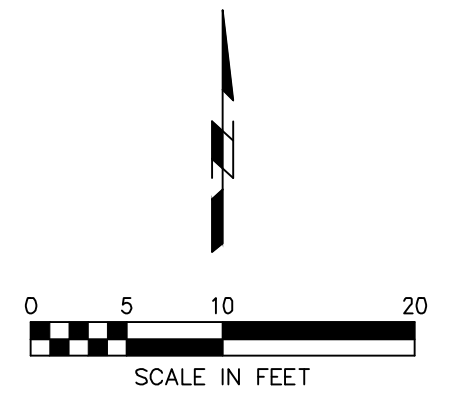
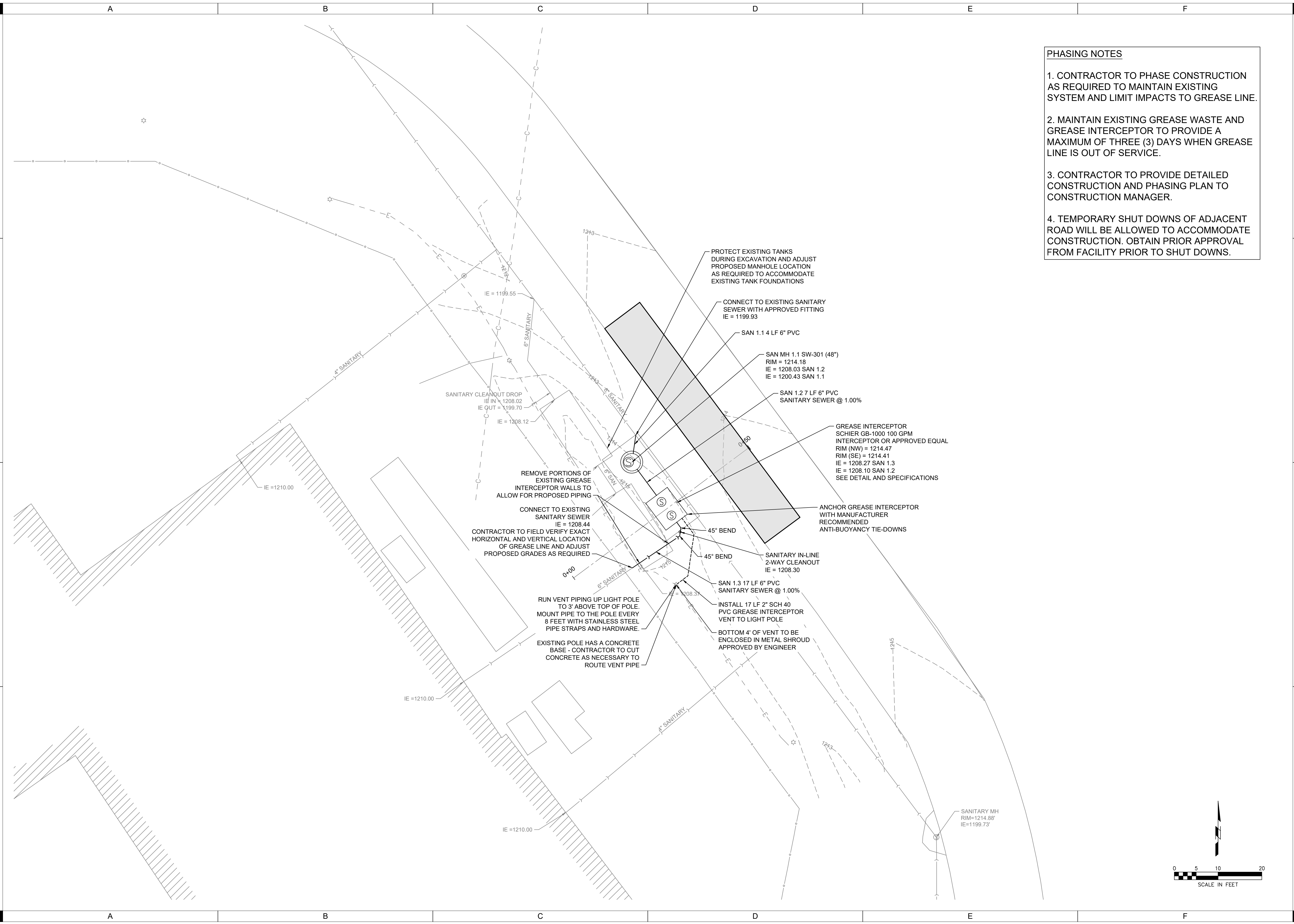
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UTILITY PLAN

C301

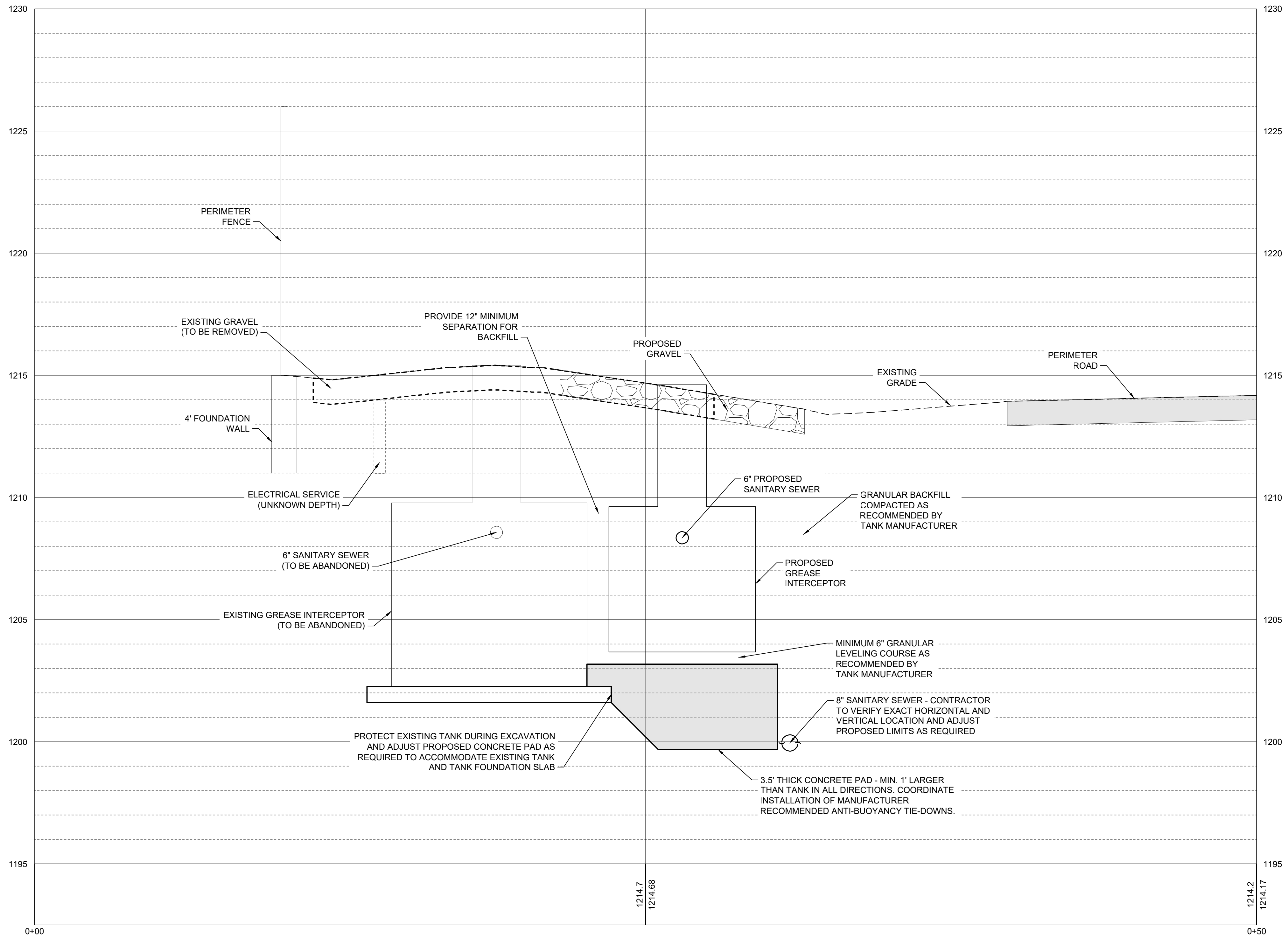
PHASING NOTES

1. CONTRACTOR TO PHASE CONSTRUCTION AS REQUIRED TO MAINTAIN EXISTING SYSTEM AND LIMIT IMPACTS TO GREASE LINE.
2. MAINTAIN EXISTING GREASE WASTE AND GREASE INTERCEPTOR TO PROVIDE A MAXIMUM OF THREE (3) DAYS WHEN GREASE LINE IS OUT OF SERVICE.
3. CONTRACTOR TO PROVIDE DETAILED CONSTRUCTION AND PHASING PLAN TO CONSTRUCTION MANAGER.
4. TEMPORARY SHUT DOWNS OF ADJACENT ROAD WILL BE ALLOWED TO ACCOMMODATE CONSTRUCTION. OBTAIN PRIOR APPROVAL FROM FACILITY PRIOR TO SHUT DOWNS.



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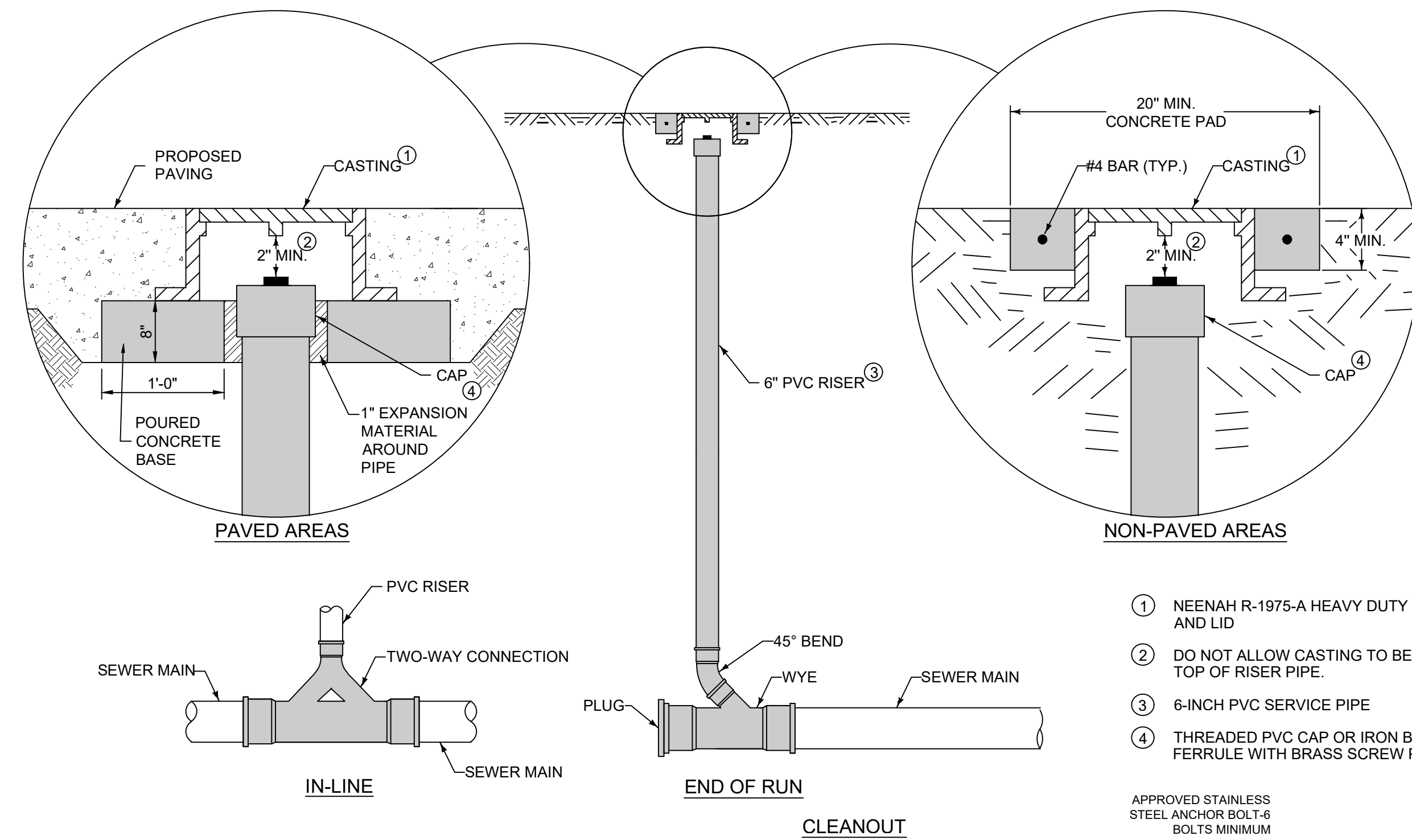
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**DOC NCCF KITCHEN
GREASE PIT REPLACEMENT**

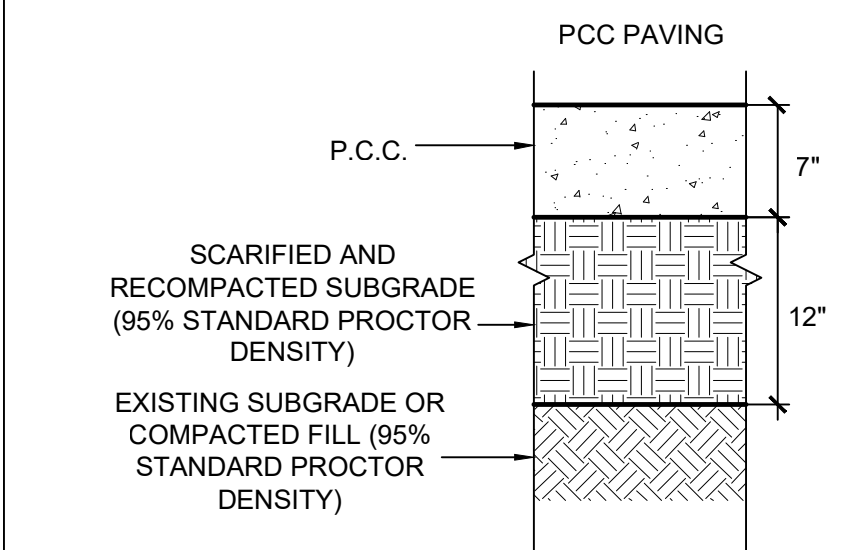
IOWA DEPARTMENT OF ADMINISTRATIVE SERVICES
9303.00
313 LANEDALE, ROCKWELL CITY, IA 50579

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APPROVED BY	CRB
ISSUED FOR	CONSTRUCTION
ISSUE DATE	04-07-2023
PROJECT NUMBER	4216681
FIELD BOOK	...

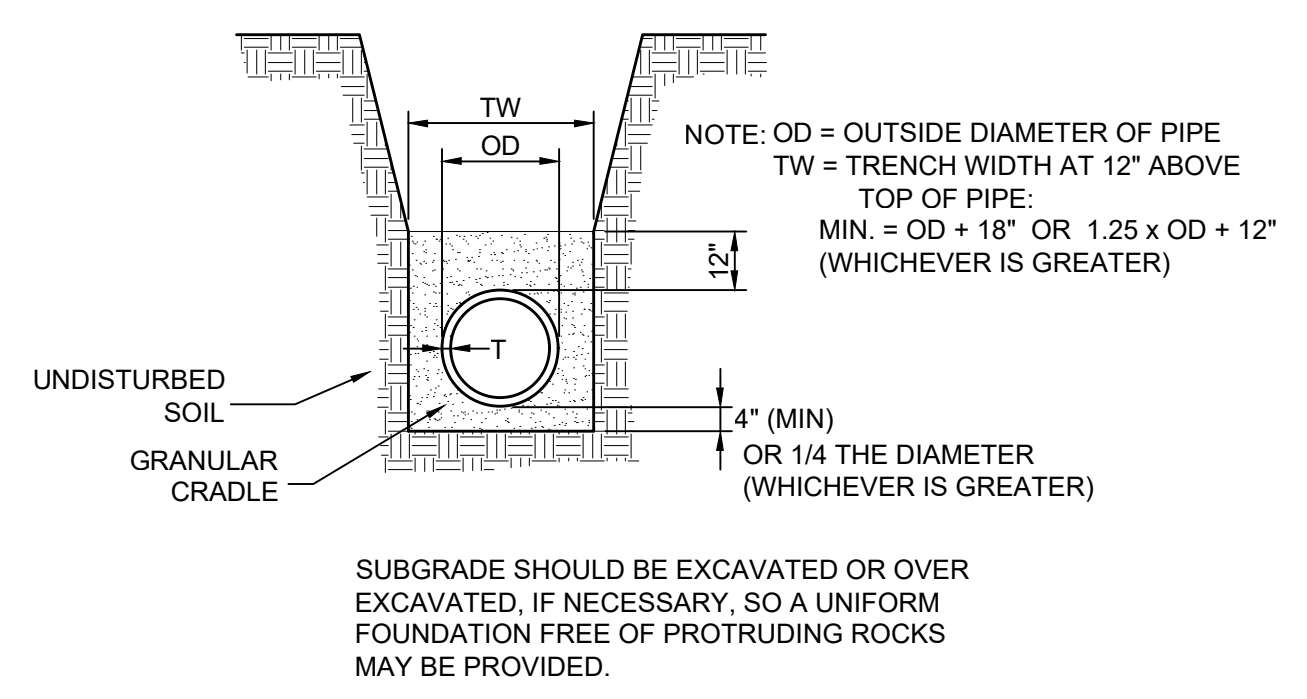
UTILITY PROFILE



A2 SANITARY SEWER CLEANOUT
NOT TO SCALE

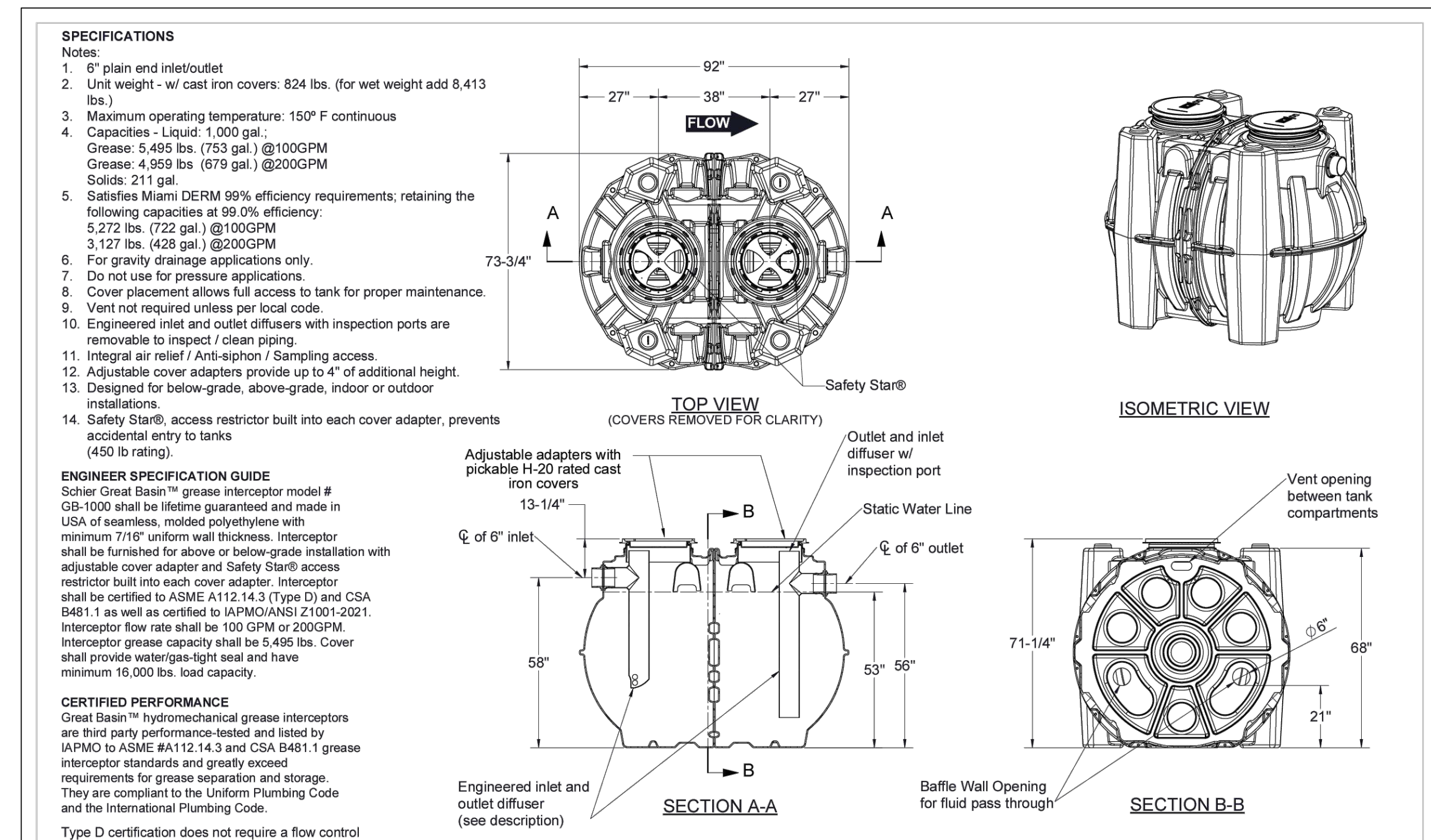


D1 PAVEMENT CROSS-SECTION
NTS

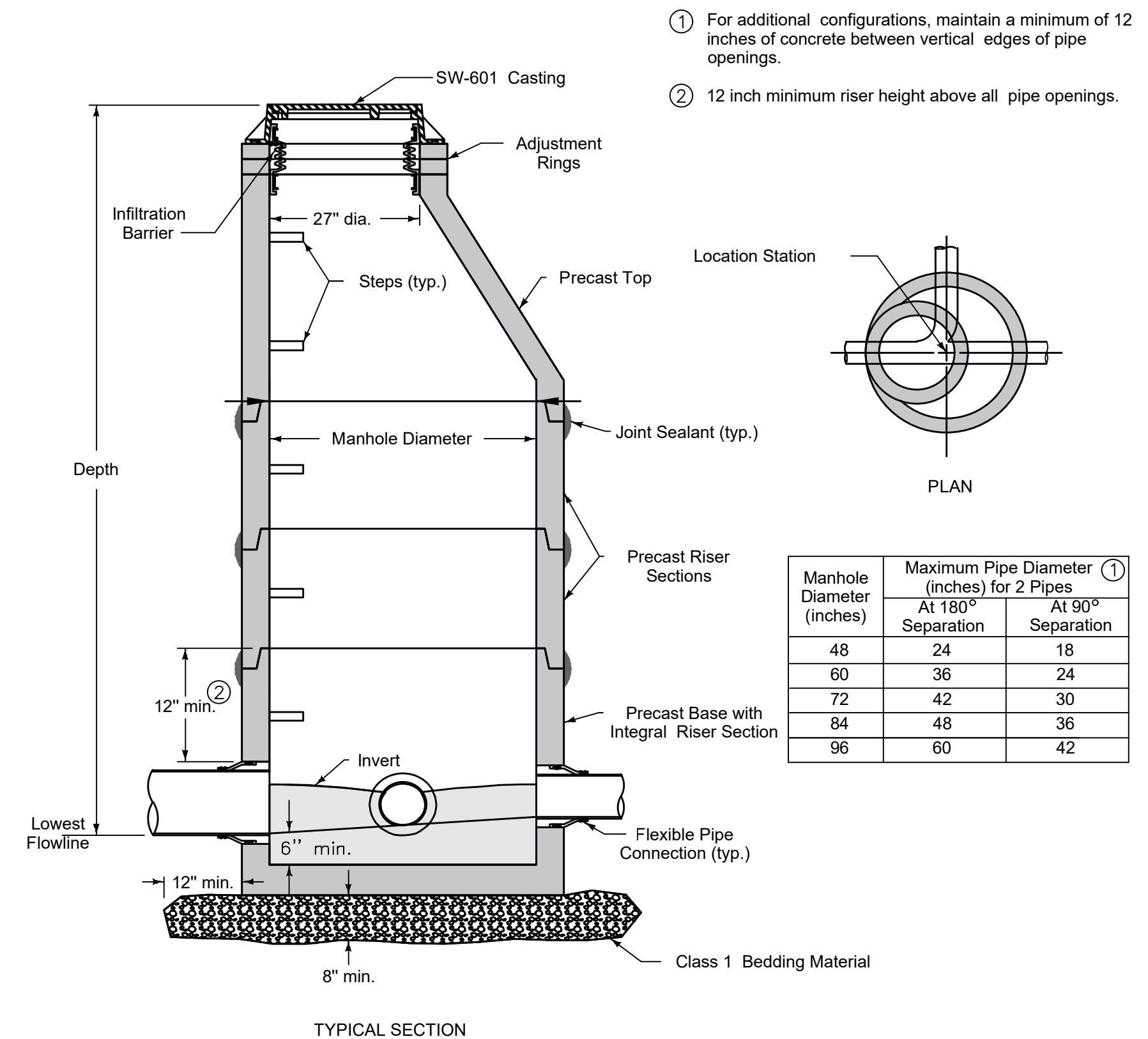


D2 FLEXIBLE PIPE BEDDING
NTS

NOTE: SCHIER GREAT BASIN MODEL #GB-1000 IS DESIGN BASIS. CONTRACTOR MAY PROVIDE EQUIVALENT PRODUCTS FOR APPROVAL BY ENGINEER.



A4 GREASE INTERCEPTOR
NOT TO SCALE



D4 SANITARY SEWER MANHOLE (SW-301)
NOT TO SCALE

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