

SITE DEVELOPMENT PLANS

SEVEN BREW

7 WEST MAIN STREET

FARMINGTON, ARKANSAS



CEI ENGINEERING ASSOCIATES, INC.
2600 NE 11TH ST, SUITE 300
BENTONVILLE, AR 72712
PHONE: (479) 273-8472
FAX: (479) 273-0844

REVISION		
NO.	DESCRIPTION	DATE

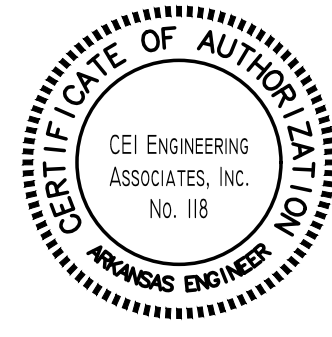
GENERAL NOTES:

- A. TOPOGRAPHIC BOUNDARY SURVEY, INCLUDING PROPERTY LINES, LEGAL DESCRIPTION, EXISTING UTILITIES, SITE TOPOGRAPHY WITH SPOT ELEVATIONS, OUTSTANDING PHYSICAL FEATURES AND EXISTING STRUCTURE LOCATIONS WAS PROVIDED BY THE FOLLOWING COMPANY, AS A CONTRACTOR TO THE SELLER/OWNER:
- TOPOGRAPHY & BOUNDARY: GOLDEN LAND SURVEYING
4131 N.W. 122ND ST., SUITE 100
OKLAHOMA CITY, OKLAHOMA 73120
TROY DEE
PH: (405) 849-6010
- CEI ENGINEERING AND ITS ASSOCIATES WILL NOT BE HELD RESPONSIBLE FOR THE ACCURACY OF THE SURVEY OR FOR DESIGN ERRORS OR OMISSIONS RESULTING FROM SURVEY INACCURACIES.
- B. ALL PHASES OF SITE WORK FOR THIS PROJECT SHALL MEET OR EXCEED THE OWNER / DEVELOPER SITE WORK SPECIFICATIONS.
- C. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF EXISTING STRUCTURES, RELATED UTILITIES, PAVING, UNDERGROUND STORAGE TANKS AND ANY OTHER EXISTING IMPROVEMENTS AS NOTED. SEE SITE WORK SPECIFICATIONS.
- D. CONTRACTOR IS TO REMOVE AND DISPOSE OF ALL DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM PREVIOUS AND CURRENT DEMOLITION OPERATIONS. DISPOSAL WILL BE IN ACCORDANCE WITH ALL LOCAL, STATE AND/OR FEDERAL REGULATIONS GOVERNING SUCH OPERATIONS.
- E. THE GENERAL CONTRACTOR WILL BE HELD SOLELY RESPONSIBLE FOR AND SHALL TAKE ALL PRECAUTIONS NECESSARY TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES DURING THE CONSTRUCTION PHASES OF THIS PROJECT.
- F. **WARRANTY/DISCLAIMER:**
THE DESIGNS REPRESENTED IN THESE PLANS ARE IN ACCORDANCE WITH ESTABLISHED PRACTICES OF CIVIL ENGINEERING FOR THE DESIGN FUNCTIONS AND USES INTENDED BY THE OWNER AT THIS TIME. HOWEVER, NEITHER THE ENGINEER NOR ITS PERSONNEL CAN OR DO WARRANT THESE DESIGNS OR PLANS AS CONSTRUCTED EXCEPT IN THE SPECIFIC CASES WHERE THE ENGINEER INSPECTS AND CONTROLS THE PHYSICAL CONSTRUCTION ON A CONTEMPORANEOUS BASIS AT THE SITE.
- G. **SAFETY NOTICE TO CONTRACTOR:**
IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. ANY CONSTRUCTION OBSERVATION BY THE ENGINEER OF THE CONTRACTOR'S PERFORMANCE IS NOT INTENDED TO INCLUDE REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES, IN, ON OR NEAR THE CONSTRUCTION SITE.
- H. ALL CONSTRUCTION IN STATE HIGHWAY DEPARTMENT RIGHT-OF-WAY SHALL BE COORDINATED WITH THE HIGHWAY DEPARTMENT RESIDENT ENGINEER.
- I. **RESIDENT ENGINEERING SERVICES:**
WHEN REQUESTED BY THE OWNER, RESIDENT ENGINEERING SERVICES SHALL BE PROVIDED BY THE ENGINEERS (ON A TIME AND FREQUENCY BASIS) ACCEPTABLE TO THE CITY ENGINEER FOR IMPROVEMENTS TO PUBLIC WATER MAINS, PUBLIC SEWER, AND CITY STREETS. AT THE COMPLETION OF CONSTRUCTION, THE ENGINEER SHALL CERTIFY THE CONSTRUCTION TO BE IN COMPLIANCE WITH THE PLANS AND SPECIFICATIONS. THIS WORK WILL BE AT THE OWNER/DEVELOPER'S DIRECT EXPENSE AND SHALL BE COORDINATED WITH CEI ENGINEERING ASSOCIATES, INC. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE RESIDENT ENGINEER OF ANY PRECONSTRUCTION / CONSTRUCTION CONFERENCES AND ANY PUBLIC CONSTRUCTION 24 HOURS PRIOR TO SAID ACTION.

APPROVED

CITY OF FARMINGTON, ARKANSAS
ARKANSAS DEPARTMENT OF TRANSPORTATION

DATE



VICINITY MAP
NOT TO SCALE

CEI CONTACT:

ERIN DUDLEY
PROJECT MANAGER
2600 NE 11TH ST., SUITE 300
BENTONVILLE, AR 72712
EDUDLEY@CEIENG.COM
PHONE: (479) 321-0035

OWNER:

CTAR, INC.
WADE HARDEN
2 NORTH COLLEGE AVENUE
FAYETTEVILLE, AR 72701
SHANE.CORNIN@7BREW.COM
PHONE: (972) 832-2048

ARCHITECT:

ARKIFEX STUDIOS
MICHAEL HAMPTON
221 SOUTH AVENUE
SPRINGFIELD, MO 65806
MICHAEL@ARKIFEXSTUDIOS.COM
PHONE: (417) 773-1065

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ASSOCIATED PLANS:

SURVEY	
1 OF 1	ALTA/ACSM SURVEY
5 OF 5	ADS STORMTECH LAYOUT

RESOURCE LIST:

PLANNING & ZONING CITY OF FARMINGTON 354 W. MAIN ST. FARMINGTON, AR 72730 MELISSA MCCARVILLE PHONE: (479) 267-3865 EMAIL: MELISSAMCCARVILLE@CITYOFFARMINGTON-AR.GOV	HEALTH DEPARTMENT ARKANSAS ENVIRONMENTAL HEALTH 4815 W. MARKHAM ST. LITTLE ROCK, AR 72205 ELIZABETH DICKINSON PHONE: (479) 521-8181 EMAIL: ELIZABETH.DICKINSON@ARKANSAS.GOV
BUILDING CITY OF FARMINGTON 372 W. MAIN ST. FARMINGTON, AR 72730 RICK BRAMALL PHONE: (479) 267-3865 EMAIL: RICHARDBRAMALL@CITYOFFARMINGTON-AR.GOV	WATER AND SEWER CITY OF FAYETTEVILLE UTILITIES 113 WEST MOUNTAIN ST. FAYETTEVILLE, AR 72701 COREY GRANDERSON PHONE: (479) 444-3452 EMAIL: CGRANDERSON@FAYETTEVILLE-AR.GOV
ENGINEERING CITY OF FARMINGTON 354 W. MAIN ST. FARMINGTON, AR 72730 MELISSA MCCARVILLE PHONE: (479) 267-3865 EMAIL: MELISSAMCCARVILLE@CITYOFFARMINGTON-AR.GOV	ELECTRIC SWPCO 101 W. TOWNSHIP ST. FAYETTEVILLE, AR 72703 CHRISTIAN D DICKEY PHONE: (479) 973-2306 EMAIL: CDICKEY@AEP.COM
STORMWATER CITY OF FARMINGTON 372 W. MAIN ST. FARMINGTON, AR 72730 FLOYD SHELLEY PHONE: (479) 267-3865 EMAIL: FLOYDSHELLEY@CITYOFFARMINGTON-AR.GOV	NATURAL GAS BLACK HILLS ENERGY 655 E. MILLSAP RD FAYETTEVILLE, AR 72703 JEFF LANEY PHONE: (479) 530-0292 EMAIL: JEFF.LANEY@BLACKHILLSCORP.COM
FIRE DEPARTMENT CITY OF FARMINGTON 372 W. MAIN ST. FARMINGTON, AR 72730 BILL HELLARD PHONE: (479) 267-3338 EMAIL: WILLIAMHELLARD@CITYOFFARMINGTON-AR.GOV	TELEPHONE PRAIRIE GROVE TELEPHONE CO. 139 N. MOCK ST PRAIRIE GROVE, AR 72753 SHANE BELL PHONE: (479) 846-7255 EMAIL: SBELL@PGTC.COM

NOTICE TO BIDDERS:

ALL QUESTIONS REGARDING THE PREPARATION OF THE GENERAL CONTRACTOR'S BID SHALL BE DIRECTED TO THE OWNER'S FIELD CONSTRUCTION MANAGER:

WADE HARDEN
CTAR, INC.
PHONE: (972) 832-2048

SUBCONTRACTORS MUST DIRECT THEIR QUESTIONS THROUGH THE GENERAL CONTRACTOR. THE CONSULTING ARCHITECT AND/OR THE CONSULTING ENGINEER SHALL NOT BE CONTACTED DIRECTLY WITHOUT PRIOR AUTHORIZATION FROM THE OWNER/DEVELOPER.

FLOOD CERTIFICATION:

BY SCALED MAP LOCATION AND GRAPHICAL PLOTTING ONLY. THIS PROPERTY IS LOCATED IN ZONE "X" UNSHADED WHICH ARE AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN DETERMINED BY THE NATIONAL FLOOD INSURANCE PROGRAM, FLOOD INSURANCE RATE MAP FOR WASHINGTON COUNTY, ARKANSAS.
MAP NUMBER: 05143C0215G
MAP REVISED: JANUARY 1ST, 2024



Know what's below.
Call before you dig.



CIVIL ENGINEERING • LANDSCAPE ARCHITECTURE • LAND SURVEYING • PLANNING
BENTONVILLE | DALLAS | FRESNO | HOUSTON | JACKSONVILLE | MINNEAPOLIS | PHILADELPHIA | PHOENIX



SEVEN BREW
7 WEST MAIN STREET
FARMINGTON, ARKANSAS



PROFESSIONAL OF RECORD	KAP
PROJECT MANAGER	EVD
DESIGNER	BWB
CEI PROJECT NUMBER	34338
DATE	2/10/2025
REVISION	REV-1

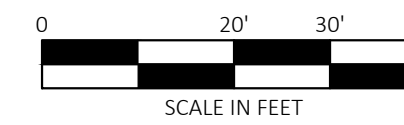
COVER SHEET

SHEET TITLE
SHEET NUMBER

C0.0

DEMOLITION NOTES

- 18A EXISTING TO BE REMOVED.
- 18B EXISTING TO BE RELOCATED.
- 19A EXISTING TO REMAIN.
- 51B LIMITS OF SAWCUT AND PAVEMENT REMOVAL
- 51D PROTECT EXISTING STRUCTURES AND/OR PIPES DURING DEMOLITION AND CONSTRUCTION PHASES.
- 70S TEMPORARILY CUT AND CAP SEWER SERVICE LINE.



Know what's below.
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SITE BENCHMARK 1:	
MAG NAIL	N: 629591.490
	E: 649634.080
	Z: 1207.183
SITE BENCHMARK 2:	
MAG NAIL	N: 629405.416
	E: 649583.052
	Z: 1202.267
SITE BENCHMARK 3:	
MAG NAIL	N: 629176.909
	E: 649917.070
	Z: 1209.011



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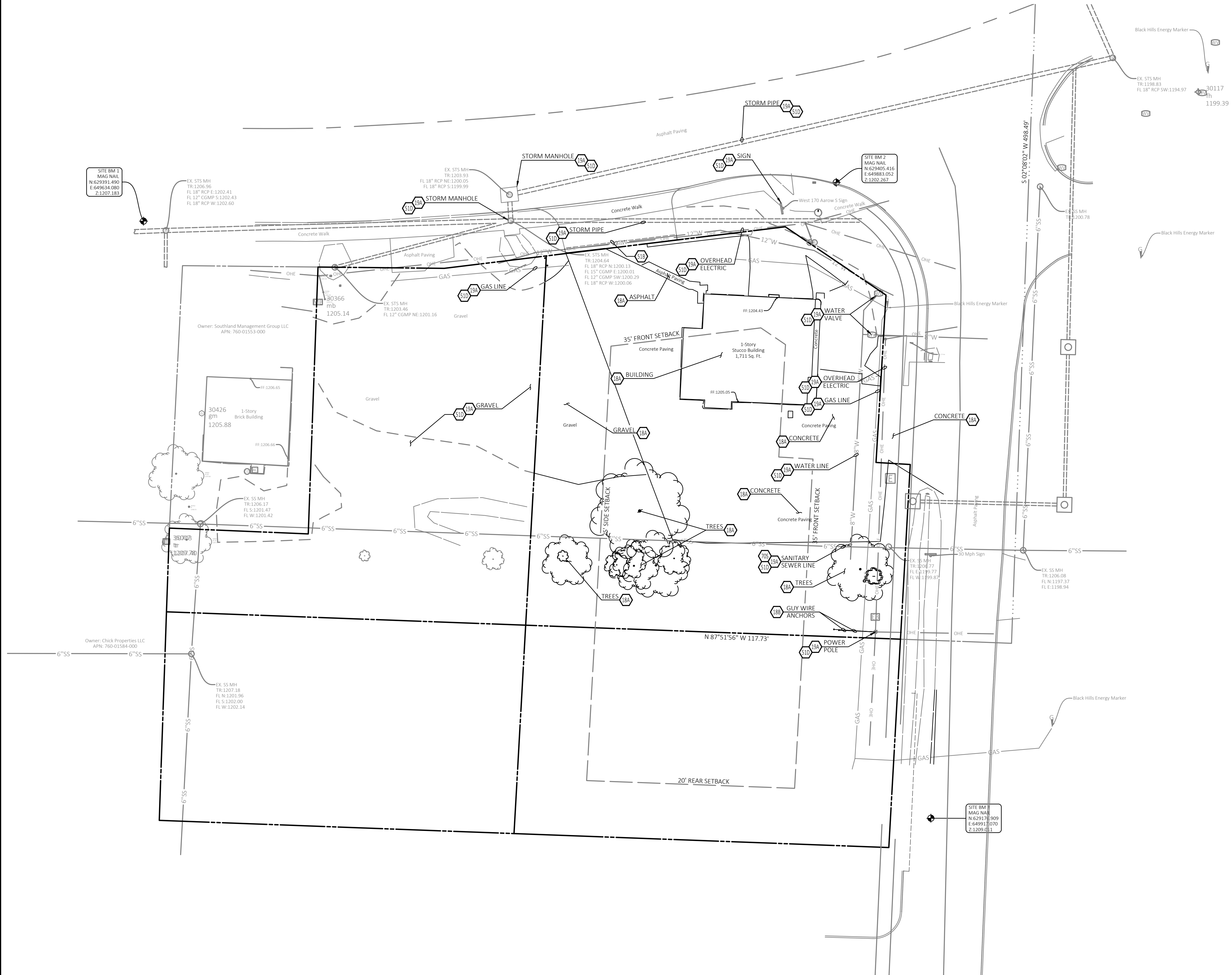
- | | | | |
|--|--------------------------|--|----------------------------|
| | POWER POLE | | GAS METER |
| | LIGHT POLE | | GAS VALVE |
| | GUY ANCHOR | | GAS MARKER |
| | ELECTRIC METER | | OIL PIPELINE MARKER |
| | ELECTRIC BOX | | MAIL BOX |
| | ELEC. TRANSFORMER | | SIGN |
| | ELEC. MANHOLE | | FLAG POLE |
| | ELEC. PEDESTAL | | FIRE HYDRANT |
| | ELEC. PULL BOX | | WATER MANHOLE |
| | SPOT LIGHT | | WATER VALVE |
| | SANITARY SEWER MANHOLE | | WATER METER |
| | SANITARY SEWER CLEANOUT | | DOWN SPOUT |
| | STORM SEWER MANHOLE | | AIR CONDITIONER |
| | TELEPHONE RISER | | TRAFFIC SIGNAL |
| | TELEPHONE MANHOLE | | TRAFFIC SIGNAL BOX |
| | TELEPHONE MARKER | | TRAFFIC SIGNAL PULL BOX |
| | TELEPHONE PULL BOX | | PEDESTRIAN CROSSING SIGNAL |
| | FIBER OPTIC MARKER | | GREASE TRAP |
| | FIBER OPTIC PULL BOX | | KEY PAD |
| | CABLE TV PEDESTAL | | SECTION CORNER |
| | CABLE MARKER | | QUARTER CORNER |
| | CABLE TV PULL BOX | | SET IRON PIN W/CAP |
| | IRRIGATION CONTROL VALVE | | SET MAG NAIL W/WASHER |
| | SPRINKLER HEAD | | FOUND MONUMENT |
| | BOLLARD | | RIGHT OF WAY MARKER |
| | VENT PIPE | | YARD HYDRANT/SPICKET |
| | FIRE DEPARTMENT CONNECT | | BENCHMARK |
| | PROPANE TANK | | SATELLITE DISH |
| | WELLHEAD | | CHAIN LINK FENCE |
| | WATER LINE | | WOOD PANEL FENCE |
| | GAS LINE | | MASONRY FENCE |
| | SANITARY SEWER LINE | | IRON FENCE |
| | TELEPHONE LINE | | FIBER OPTIC LINE |
| | ELECTRIC LINE | | PROPERTY LINE |
| | OVERHEAD POWERLINE | | LOT LINE |
| | BARBED WIRE FENCE | | EASEMENT LINE |
| | SECTION LINE | | |

S.I.P.-SET IRON PIN I.P.-IRON PIN CGMP-CORRUGATED METAL PIPE B/L-L-BUILDING LIMIT LINE
F.I.P.-FOUND IRON PIN H/C-HANDICAP RCP-REINFORCED CONCRETE PIPE U/E-UTILITY EASEMENT

NOTE: ALL MONUMENTS SET ARE CAPPED 1/2" IRON PINS OR MAG NAILS WITH WASHERS BOTH BEING STAMPED "DEE LS 1835"

GENERAL DEMOLITION NOTES

- A. THE SITE WORK FOR THIS PROJECT SHALL MEET OR EXCEED THE "7BREW STANDARD SITE WORK SPECIFICATIONS".
- B. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF THE EXISTING STRUCTURES, RELATED UTILITIES, PAVING, UNDERGROUND STORAGE TANKS AND ANY OTHER EXISTING IMPROVEMENTS AS NOTED. SEE SITE WORK SPECIFICATIONS.
- C. CONTRACTOR IS TO REMOVE AND DISPOSE OF ALL DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM PREVIOUS AND CURRENT DEMOLITION OPERATIONS. DISPOSAL WILL BE IN ACCORDANCE WITH ALL LOCAL, STATE AND/OR FEDERAL REGULATIONS GOVERNING SUCH OPERATIONS.
- D. THE GENERAL CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES DURING THE CONSTRUCTION PHASES OF THIS PROJECT. THE CONTRACTOR WILL BE HELD SOLELY RESPONSIBLE FOR ANY DAMAGES TO THE ADJACENT PROPERTIES OCCURRING DURING THE CONSTRUCTION PHASES OF THIS PROJECT.
- E. ENGINEER'S NOTICE TO CONTRACTOR
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 UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
- F. PRIOR TO ANY CONSTRUCTION IN RIGHT-OF-WAY, CONTRACTOR SHALL INSTALL TRAFFIC CONTROL IN ACCORDANCE WITH MUTCD.
- G. ANY WORK TO TAKE PLACE OFF-SITE SHALL BE COORDINATED WITH THE APPROPRIATE PROPERTY OWNER.



DRAWING LOCATION: P:\240000\24338\DRAWINGS\DESIGN\WORKING\24338-01.DWG - SAVED BY: BBUNNELL



SEVEN BREW
7 WEST MAIN STREET
FARMINGTON, ARKANSAS



PROFESSIONAL OF RECORD	KAP
PROJECT MANAGER	EVD
DESIGNER	BWB
CEI PROJECT NUMBER	34338
DATE	2/10/2025
REVISION	REV-1

DEMOLITION PLAN
SHEET TITLE
SHEET NUMBER

C1.0

SITE DETAILS

- 01A TYPE A CONCRETE CURB AND GUTTER
- 02A PRECAST CONCRETE WHEEL STOP
- 03E CONCRETE SIDEWALK AT BACK OF CURB
- 03K CONCRETE SIDEWALK
- 03N WHEELCHAIR RAMP IN SIDEWALK
- 05E LANDSCAPE ISLAND BOLLARD
- 07L WOOD FENCE
- 09A SIXTY DEGREE PARKING SPACE STRIPING
- 09D 60 DEGREE ACCESSIBLE PARKING SPACE STRIPING
- 09S ACCESSIBLE / VAN ACCESSIBLE PARKING SIGN
- 09U ACCESSIBLE PARKING SYMBOL
- 10A TRAFFIC FLOW ARROW (SEE PAVING PLAN KEYNOTE 7.)
- 12F SIGN BASE
- 70A FIRE LANE SIGNS (PER ARKANSAS FIRE PREVENTION CODE FIGURE D103.6)

SITE NOTES

- 02E TRASH DUMPSTER ENCLOSURE (PER ARCH. PLANS)
- 08B OVERHEAD CANOPY - (TYP. PER ARCH. PLANS)
- 18D MATCH EXISTING PAVEMENT ELEVATIONS
- 51B LIMITS OF SAWCUT AND PAVEMENT REMOVAL
- 70C REFER TO LANDSCAPING PLAN FOR LIMITS OF GRASS AND PAVING
- 70D FIRE LANE (PER CITY OF FARMINGTON STANDARDS)
- 70E KNOX BOX (PER CITY OF FARMINGTON STANDARDS)

ACREAGE SUMMARY TABLE	
PARCEL	± 27,829 SF (0.64 AC)
PERVIOUS AREA	± 7,081 SF (0.16 AC)
IMPERVIOUS AREA	± 20,748 SF (0.48 AC)
PARKING TABLE	
SPACES PROVIDED	
STANDARD CAR PARKING	8 SPACES
ACCESSIBLE PARKING	1 SPACE
TOTAL CAR PARKING	9 SPACES

SITE INFORMATION	
ZONING	C-2 HIGHWAY COMMERCIAL
BUILDING FOOTPRINT (TOTAL, 2 STRUCTURES)	510 SF
BUILDING HEIGHT	19'
SETBACKS	
NORTH	35' BUILDING
SOUTH	20' BUILDING
EAST	35' BUILDING
WEST	25' BUILDING

ADJACENT ZONING INFORMATION	
NORTH	C-2 HIGHWAY COMMERCIAL
SOUTH	R-0 RESIDENTIAL OFFICE
EAST	R-0 RESIDENTIAL OFFICE
WEST	C-2 HIGHWAY COMMERCIAL



Know what's below.
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VICINITY MAP
NOT TO SCALE



NOTE:
SEE ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF PORCHES, RAMPS, VESTIBULE, SLOPED PAVING, TRUCK DOCKS, BUILDING UTILITY ENTRANCE LOCATIONS AND PRECISE BUILDING DIMENSIONS.

SITE BENCHMARK	
SITE BENCHMARK 1:	
MAG NAIL	N: 629591.490
E: 649634.080	Z: 1207.183
SITE BENCHMARK 2:	
MAG NAIL	N: 629405.416
E: 649883.052	Z: 1202.267
SITE BENCHMARK 3:	
MAG NAIL	N: 629176.909
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LEGEND

EXISTING LEGEND

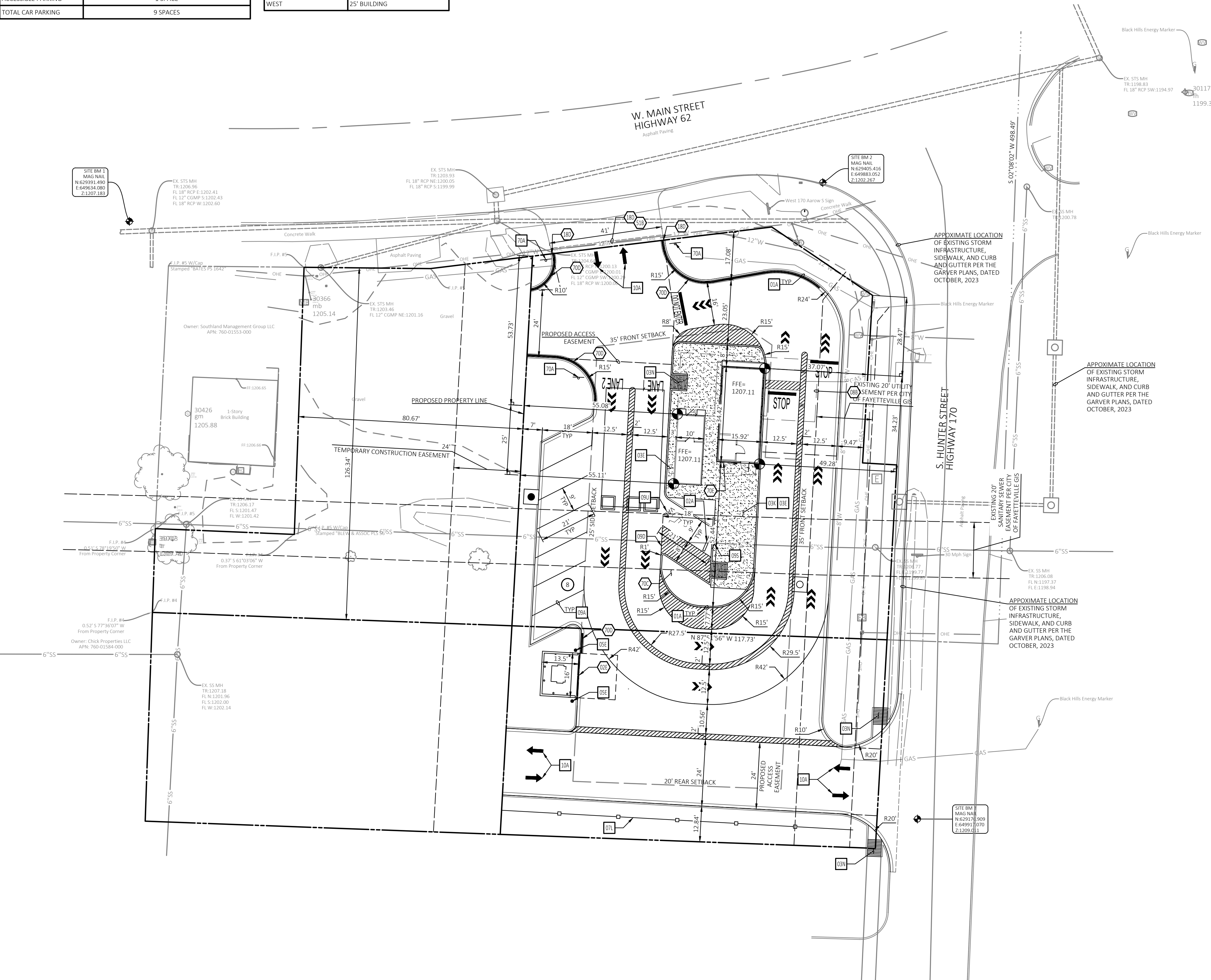
- POWER POLE
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- GUY ANCHOR
- ELECTRIC METER
- ELECTRIC BOX
- ELEC. TRANSFORMER
- ELEC. MANHOLE
- ELEC. PEDESTAL
- ELEC. PULL BOX
- SPOT LIGHT
- SANITARY SEWER MANHOLE
- SANITARY SEWER CLEANOUT
- STORM SEWER MANHOLE
- TELEPHONE RISER
- TELEPHONE MANHOLE
- TELEPHONE MARKER
- TELEPHONE PULL BOX
- FIBER OPTIC MARKER
- FIBER OPTIC PULL BOX
- CABLE TV PEDESTAL
- CABLE MARKER
- CABLE TV PULL BOX
- IRRIGATION CONTROL VALVE
- SPRINKLER HEAD
- BOLLARD
- FIRE DEPARTMENT CONNECT
- PROPANE TANK
- GAS METER
- GAS VALVE
- GAS MARKER
- OIL PIPELINE MARKER
- MAIL BOX
- SIGN
- FLAG POLE
- FIRE HYDRANT
- WATER MANHOLE
- WATER VALVE
- WATER METER
- DOWN SPOUT
- AIR CONDITIONER
- TRAFFIC SIGNAL
- TRAFFIC SIGNAL BOX
- TRAFFIC SIGNAL PULL BOX
- PEDESTRIAN CROSSING SIGNAL
- GREASE TRAP
- SECTION CORNER
- QUARTER CORNER
- SET IRON PIN W/CAP
- SET MAG NAIL W/WASHER
- FOUND MONUMENT
- RIGHT OF WAY MARKER
- YARD HYDRANT/SPICKET
- BENCHMARK
- WELLHEAD
- CHAIN LINK FENCE
- WOOD PANEL FENCE
- MASONRY FENCE
- IRON FENCE
- FIBER OPTIC LINE
- PROPERTY LINE
- LOT LINE
- EASEMENT LINE
- SECTION LINE
- SATELLITE DISH

PROPOSED LEGEND

- PROPERTY LINE/RIGHT OF WAY LINE
- WOOD FENCE
- CONCRETE CURB AND GUTTER. SEE 01A DETAIL
- CURB INLET
- GRATE INLET
- BUILDING CONTROL POINT
- PROPOSED PARKING SPACES
- LIMITS OF SIDEWALKS AND CONCRETE APRONS (PER ARCHITECTURAL PLANS)

GENERAL SITE NOTES

- A. ALL DIMENSIONS SHOWN ARE TO THE FACE OF CURB UNLESS OTHERWISE NOTED.
- B. ALL CURB RETURN RADI SHALL BE 3', AS SHOWN TYPICAL ON THIS PLAN, UNLESS OTHERWISE NOTED.
- C. UNLESS OTHERWISE SHOWN, CALLED OUT OR SPECIFIED HEREON OR WITHIN THE SPECIFICATIONS, ALL CURB AND GUTTER ADJACENT TO ASPHALT PAVING SHALL BE INSTALLED PER DETAIL 01A. PAVEMENT SHALL BE INSTALLED IN ACCORDANCE WITH SHEET C7.0 - PAVING PLAN OVER THE ENTIRE PARKING LOT AREA AND ALL APPROACH DRIVES. ALL PARKING LOT STRIPING INCLUDING ACCESSIBLE AND VAN ACCESSIBLE SPACES SHALL BE PAINTED PER DETAIL: 09A.
- D. ALL PARKING LOT SIGN BASE SUPPORTS SHALL BE INSTALLED PER DETAIL 12F.
- E. ALL ACCESSIBLE PARKING STALLS SHALL HAVE SIGNAGE INSTALLED PER DETAIL 09S.
- F. PRIOR TO ANY CONSTRUCTION IN RIGHT-OF-WAY, CONTRACTOR SHALL INSTALL TRAFFIC CONTROL IN ACCORDANCE WITH MUTCD.



CEI ENGINEERING ASSOCIATES, INC.
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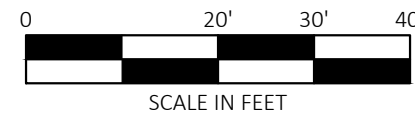
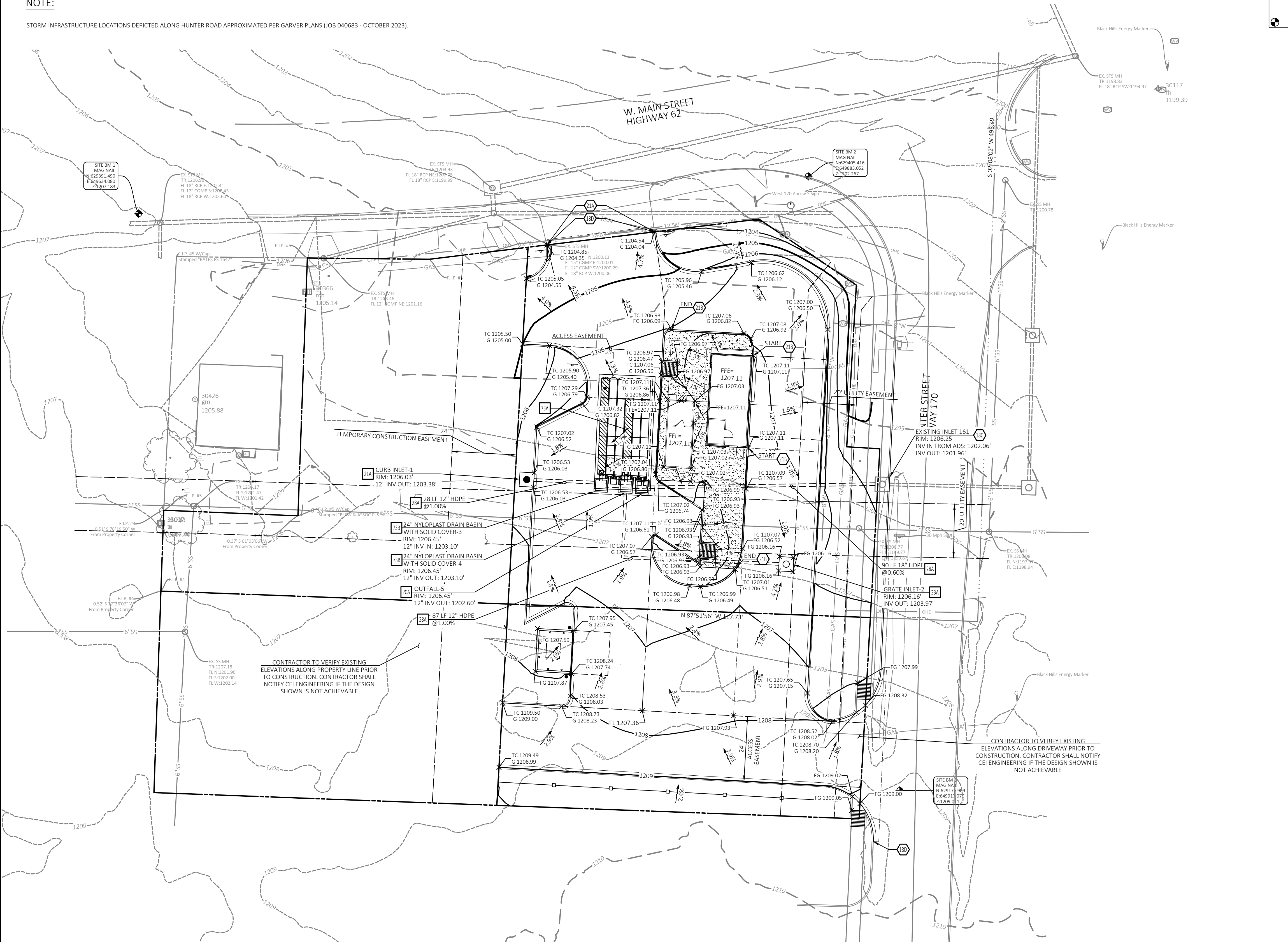
C2.0

GENERAL GRADING NOTES

- A. PRIOR TO INSTALLATION OF STORM OR SANITARY SEWER, THE CONTRACTOR SHALL EXCAVATE, VERIFY, AND CALCULATE ALL CROSSINGS AND INFORM THE OWNER AND THE ENGINEER OF ANY CONFLICTS PRIOR TO CONSTRUCTION. THE ENGINEER WILL BE HELD HARMLESS IN THE EVENT THE ENGINEER IS NOT NOTIFIED OF DESIGN CONFLICTS.
- B. CONTRACTOR HAS THE OPTION TO BID THE FOLLOWING MATERIAL FOR THE STORM SEWER SYSTEM: RCP, CPP, PP OR HDPE AS INDICATED ON THIS PLAN WHERE THE WORD PIPE IS USED. ALL PIPE LOCATED WITHIN THE RIGHT OF WAY SHALL BE RCP. ALL PIPES SHALL HAVE A MAXIMUM ROUGHNESS COEFFICIENT (N) OF 0.013 AND SHALL MEET OR EXCEED THE PIPE MANUFACTURERS REQUIREMENTS FOR MINIMUM AND MAXIMUM COVER. CONTRACTOR SHALL REFER TO THE SITEMARK SPECIFICATION SECTION FOR STORM SEWER SYSTEMS FOR ACCEPTABLE TYPE AND MATERIAL.
- C. ALL SLOPES AND AREAS DISTURBED BY CONSTRUCTION SHALL BE GRADED SMOOTH AND 4" OF TOPSOIL APPLIED. IF ADEQUATE TOPSOIL IS NOT AVAILABLE ON SITE, THE CONTRACTOR SHALL PROVIDE TOPSOIL, APPROVED BY THE OWNER, AS NEEDED. THE AREA SHALL THEN BE SEEDED, FERTILIZED, MULCHED, WATERED AND MAINTAINED UNTIL HARDY GRASS GROWTH IS ESTABLISHED IN ALL AREAS (SEE LANDSCAPE PLAN FOR SEED MIX AND PROPER APPLICATION RATE). ANY AREAS DISTURBED FOR ANY REASON PRIOR TO FINAL ACCEPTANCE OF THE PROJECT SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- D. 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 UTILITIES.
- E. UNLESS OTHERWISE SHOWN, CALLED OUT OR SPECIFIED HEREON OR WITHIN THE SPECIFICATIONS, ALL STORM DRAIN PIPE BEDDING SHALL BE INSTALLED PER DETAIL 28A. ALL STORM DRAIN PIPES ARE MEASURED FROM CENTER OF STRUCTURES AND ENDS OF FLARED END SECTIONS.
- F. PRIOR TO ANY CONSTRUCTION IN RIGHT-OF-WAY, CONTRACTOR SHALL INSTALL TRAFFIC CONTROL IN ACCORDANCE WITH MUTCD.

NOTE:

STORM INFRASTRUCTURE LOCATIONS DEPICTED ALONG HUNTER ROAD APPROXIMATED PER GARVER PLANS (JOB 040683 - OCTOBER 2023).

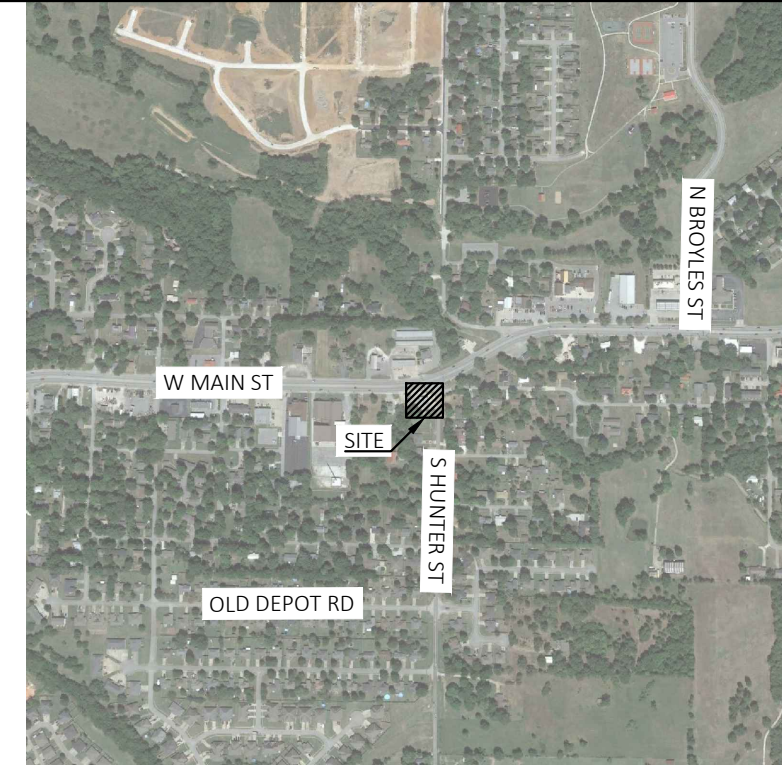


NOTE:

SEE ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF PORCHES, RAMPS, VESTIBULE, SLOPED PAVING, TRUCK DOCKS, BUILDING UTILITY ENTRANCE LOCATIONS AND PRECISE BUILDING DIMENSIONS.



Know what's below.
Call before you dig.



VICINITY MAP
NOT TO SCALE

LEGEND

EXISTING LEGEND

- POWER POLE
- LIGHT POLE
- GUY ANCHOR
- ELECTRIC METER
- ELECTRIC BOX
- ELEC. TRANSFORMER
- ELEC. MANHOLE
- ELEC. PEDESTAL
- ELEC. PULL BOX
- SPOT LIGHT
- SANITARY SEWER MANHOLE
- SANITARY SEWER CLEANOUT
- STORM SEWER MANHOLE
- TELEPHONE RISER
- TELEPHONE MANHOLE
- TELEPHONE MARKER
- TELEPHONE PULL BOX
- FIBER OPTIC MARKER
- FIBER OPTIC PULL BOX
- CABLE TV PEDESTAL
- CABLE MARKER
- CABLE TV PULL BOX
- IRRIGATION CONTROL VALVE
- SPRINKLER HEAD
- FIRE DEPARTMENT CONNECT
- PROPANE TANK
- GAS METER
- GAS VALVE
- GAS MARKER
- OIL PIPELINE MARKER
- MAIL BOX
- SIGN
- FLAG POLE
- FIRE HYDRANT
- WATER MANHOLE
- WATER VALVE
- WATER METER
- DOWN SPOUT
- AIR CONDITIONER
- TRAFFIC SIGNAL
- TRAFFIC SIGNAL BOX
- TRAFFIC SIGNAL PULL BOX
- PEDESTRIAN CROSSING SIGNAL
- GREASE TRAP
- SECTION CORNER
- QUARTER CORNER
- SET IRON PIN W/CAP
- SET MAG NAIL W/WASHER
- FOUND MONUMENT
- RIGHT OF WAY MARKER
- YARD HYDRANT/SPICKET
- BENCHMARK
- WELLHEAD
- CHAIN LINK FENCE
- WOOD PANEL FENCE
- MASONRY FENCE
- IRON FENCE
- FIBER OPTIC LINE
- PROPERTY LINE
- LOT LINE
- EASEMENT LINE
- SECTION LINE
- WATER LINE
- GAS LINE
- SANITARY SEWER LINE
- TELEPHONE LINE
- ELECTRIC LINE
- OVERHEAD POWERLINE
- BARBED WIRE FENCE
- SATellite DISH
- WELLHEAD
- CHAIN LINK FENCE
- WOOD PANEL FENCE
- MASONRY FENCE
- IRON FENCE
- FIBER OPTIC LINE
- PROPERTY LINE
- LOT LINE
- EASEMENT LINE
- SECTION LINE

PROPOSED LEGEND

- PROPERTY LINE/RIGHT OF WAY LINE
- GRADE BREAK (RIDGE)
- GRADE BREAK (FLOWLINE)
- CONTOUR ELEVATIONS
- STORM DRAIN
- CURB INLET
- GRATE INLET
- SPOT ELEVATIONS: TC = TOP OF CURB, G = GUTTER, FG = FINISHED GRADE (NATURAL GROUND), FS = FINISHED SURFACE (PAVEMENT), FFE = FINISHED FLOOR ELEVATION, FL = FLOW LINE
- JUNCTION BOX
- CURB INLET
- GRATE INLET
- DETENTION BASIN OUTFALL STRUCTURE
- STORM SEWER TRENCH AND BEDDING
- ADS STORM DETENTION
- NYLOPLAST DRAIN BASIN WITH SOLID COVER
- CONNECT TO EXISTING STORM DRAIN MANHOLE OR INLET.
- MATCH EXISTING PAVEMENT ELEVATIONS.
- TAPER CURB TO MATCH EXISTING CURB.
- TAPER CURB FROM 6 INCHES TO 0 INCHES.



CEI ENGINEERING ASSOCIATES, INC.
2600 NE 11TH ST, SUITE 300
BENTONVILLE, AR 72712
PHONE: (479) 273-9472
FAX: (479) 273-0844

REVISION		
NO.	DESCRIPTION	DATE



SEVEN BREW
7 WEST MAIN STREET
FARMINGTON, ARKANSAS



PROFESSIONAL OF RECORD	KAP
PROJECT MANAGER	EVD
DESIGNER	BWB
CEI PROJECT NUMBER	34338
DATE	2/10/2025
REVISION	REV-1

GRADING PLAN
SHEET TITLE
SHEET NUMBER

C3.0

DRAWING LOCATION - P:\240000\24338\0\DRAWINGS\DESIGN\WORKING\24338-GR-DWG - SAVED BY - BRUNNELL

GENERAL EROSION NOTES

- A. ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH STORM WATER POLLUTION PREVENTION SHALL OBTAIN A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN AND THE STATE OF ARKANSAS NATIONAL POLLUTANT DISCHARGE EXEMPTION SYSTEM GENERAL PERMIT (NPDES PERMIT) AND BECOME FAMILIAR WITH THEIR CONTENTS.
- B. THE TEMPORARY PARKING AND STORAGE AREA SHALL ALSO BE USED AS THE EQUIPMENT MAINTENANCE AREA, EQUIPMENT CLEANING AREA, EMPLOYEE BREAK AREA, AND AREA FOR LOCATING PORTABLE FACILITIES, OFFICE TRAILERS AND TOILET FACILITIES. THE EXACT LOCATIONS SHALL BE COORDINATED WITH THE OWNERS CONSTRUCTION MANAGER.
- C. ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DISPOSED OF IN A MANNER THAT PREVENTS CONTACT BETWEEN THESE MATERIALS AND STORM WATER THAT IS DISCHARGED FROM THE SITE.
- D. MAINTAIN ON THE SITE OR HAVE READILY AVAILABLE SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOTATION BOOMS TO CONTAIN AND CLEAN UP FUEL OR CHEMICAL SPILLS AND LEAKS.
- E. DUST ON THE SITE SHALL BE CONTROLLED BY SPRAYING WATER ON DRY AREAS OF THE SITE. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.
- F. NO RUBBISH, TRASH, GARBAGE OR OTHER SUCH MATERIALS SHALL BE DISCHARGED INTO DRAINAGE DITCHES OR WATERS OF THE STATE.
- G. ALL STORM WATER POLLUTION PREVENTION MEASURES PRESENTED ON THIS PLAN, AND IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE INITIATED AS SOON AS PRACTICABLE.
- H. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY WILL STOP FOR AT LEAST 21 DAYS, SHALL BE TEMPORARILY SEEDED WITHIN 14 DAYS.
- I. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED SHALL BE PERMANENTLY SEEDED. THESE AREAS SHALL BE SEEDING NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS. REFER TO THE LANDSCAPING PLAN.
- J. IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF DIRT OR MUD, THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE. THE EXACT LOCATIONS SHALL BE COORDINATED WITH THE OWNERS CONSTRUCTION MANAGER.
- K. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
- L. CONTRACTORS OR SUBCONTRACTORS WILL BE RESPONSIBLE FOR REMOVING SEDIMENT IN THE DETENTION POND AFTER THE STABILIZATION OF THE SITE AND ALSO ANY SEDIMENT THAT MAY HAVE COLLECTED IN THE STORM SEWER DRAINAGE SYSTEMS.
- M. IF SOIL STOCKPILING IS EMPLOYED ON THE SITE, SILT FENCES SHALL BE USED TO HELP CONTAIN THE SEDIMENT.
- N. SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.
- O. SEDIMENT BASINS ARE ATTRACTIVE TO CHILDREN AND CAN BE VERY DANGEROUS. IN ALL CASES, LOCAL ORDINANCES AND REGULATIONS REGARDING HEALTH AND SAFETY MUST BE ADHERED TO.
- P. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE DISPOSED OF WITHIN 30 DAYS AFTER FINAL STABILIZATION. FINAL STABILIZATION HAS OCCURRED WHEN ALL SOIL DISTURBING ACTIVITIES ARE COMPLETED AND A UNIFORM PERENNIAL VEGETATIVE COVER WITH A DENSITY OF 70% OF THE COVER FOR UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES HAS BEEN EMPLOYED.
- Q. DUE TO THE GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION CONTROL MEASURES (SILT FENCES, STRAW BALES, ETC.) TO HELP PREVENT EROSION AND STORM WATER POLLUTION.
- R. ALL OFF-SITE CONSTRUCTION SHALL BE STABILIZED AT THE END OF EACH WORKING DAY. THIS INCLUDES BACKFILLING OF TRENCHES FOR STORM DRAINS & UTILITY CONSTRUCTION AND PLACEMENT OF GRAVEL OR BITUMINOUS PAVING FOR ROAD CONSTRUCTION.

MAINTENANCE
ALL MEASURES STATED ON THIS EROSION AND SEDIMENT CONTROL PLAN, AND IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A RAINFALL EVENT, AND SHOULD BE CLEANED AND REPAIRED IN ACCORDANCE WITH THE FOLLOWING:

1. ALL SEEDED AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED AND RESEED AS NEEDED.
2. SILT FENCES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE SILT FENCES WHEN IT REACHES ONE-THIRD TO ONE-HALF THE HEIGHT OF THE SILT FENCE.
3. THE CONSTRUCTION ENTRANCES 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 ENTRANCES AS CONDITIONS DEMAND.
4. THE TEMPORARY PARKING AND STORAGE AREA SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE TEMPORARY PARKING AS CONDITIONS DEMAND.
5. IF THE STONES IN THE GRAVEL INLET SEDIMENT FILTERS BECOME CLOGGED WITH SEDIMENT, THE STONES MUST BE PULLED AWAY, CLEANED AND REPLACED.

NOTE:
SEE ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF PORCHES, RAMPS, VESTIBULE, SLOPED PAVING, TRUCK DOCKS, BUILDING UTILITY ENTRANCE LOCATIONS AND PRECISE BUILDING DIMENSIONS.



Know what's below.
Call before you dig.



VICINITY MAP
NOT TO SCALE

SITE BENCHMARK

SITE BENCHMARK 1:
MAG NAIL
N: 629591.490
E: 649634.080
Z: 1207.183

SITE BENCHMARK 2:
MAG NAIL
N: 629405.416
E: 649883.052
Z: 1202.267

SITE BENCHMARK 3:
MAG NAIL
N: 629176.909
E: 649917.070
Z: 1209.011

LEGEND

EXISTING LEGEND

⊙ POWER POLE	⊙ GAS METER
⊙ LIGHT POLE	⊙ GAS VALVE
⊙ GUY ANCHOR	⊙ GAS MARKER
⊙ ELECTRIC METER	⊙ OIL PIPELINE MARKER
⊙ ELECTRIC BOX	⊙ MAIL BOX
⊙ ELEC. TRANSFORMER	⊙ SIGN
⊙ ELEC. MANHOLE	⊙ FLAG POLE
⊙ ELEC. PEDESTAL	⊙ FIRE HYDRANT
⊙ ELEC. PULL BOX	⊙ WATER MANHOLE
⊙ SPOT LIGHT	⊙ WATER VALVE
⊙ SANITARY SEWER MANHOLE	⊙ WATER METER
⊙ SANITARY SEWER CLEANOUT	⊙ DOWN SPOUT
⊙ STORM SEWER MANHOLE	⊙ AIR CONDITIONER
⊙ TELEPHONE RISER	⊙ TRAFFIC SIGNAL
⊙ TELEPHONE MANHOLE	⊙ TRAFFIC SIGNAL BOX
⊙ TELEPHONE MARKER	⊙ TRAFFIC SIGNAL CROSS BOX
⊙ TELEPHONE PULL BOX	⊙ PEDESTRIAN CROSSING SIGNAL
⊙ FIBER OPTIC MARKER	⊙ GREASE TRAP
⊙ FIBER OPTIC PULL BOX	⊙ KEY PAD
⊙ CABLE TV PEDESTAL	⊙ SECTION CORNER
⊙ CABLE MARKER	⊙ QUARTER CORNER
⊙ CABLE TV PULL BOX	⊙ SET IRON PIN W/CAP
⊙ IRRIGATION CONTROL VALVE	⊙ SET MAG NAIL W/WASHER
⊙ SPRINKLER HEAD	⊙ FOUND MONUMENT
⊙ BOLLARD	⊙ RIGHT OF WAY MARKER
⊙ VENT PIPE	⊙ YARD HYDRANT/SPICKET
⊙ FIRE DEPARTMENT CONNECT	⊙ BENCHMARK
⊙ PROPANE TANK	⊙ WELLHEAD
— W — WATER LINE	— // — CHAIN LINK FENCE
— G — GAS LINE	— // — WOOD PANEL FENCE
— SS — SANITARY SEWER LINE	— // — MASONRY FENCE
— T — TELEPHONE LINE	— // — IRON FENCE
— E — ELECTRIC LINE	— // — FIBER OPTIC LINE
— OHE — OVERHEAD POWERLINE	— // — LOT LINE
— X — BARBED WIRE FENCE	— // — EASEMENT LINE
— S.I.P. — SET IRON PIN	— // — SECTION LINE
— I.P. — IRON PIN	— // —
— CGMP — CORRUGATED METAL PIPE	— // —
— B/L — BUILDING LIMIT LINE	— // —
— F.P. — FOUND IRON PIN	— // —
— H/C — HANDICAP	— // —
— RCP — REINFORCED CONCRETE PIPE	— // —
— U/E — UTILITY EASEMENT	— // —

PROPOSED LEGEND

— — — PROPERTY LINE/RIGHT OF WAY LINE	⊙ CONCRETE WASHOUT
— XXX — LIMITS OF DISTURBANCE	⊙ INLET PROTECTION
— — — CONTOUR ELEVATIONS	— — — SWP-CI (BIG RED)
— — — GRADE BREAK	⊙ CONSTRUCTION ENTRANCE
— — — FLOWLINE	
— — — STORM DRAIN	
— SF — SILT FENCE	

AREA OF DISTURBANCE = 0.83 ACRES (36,125 S.F.)

SOIL TYPES

⊙ PeC2 PEMBROKE SILT LOAM, 3-6% SLOPES, ERODED

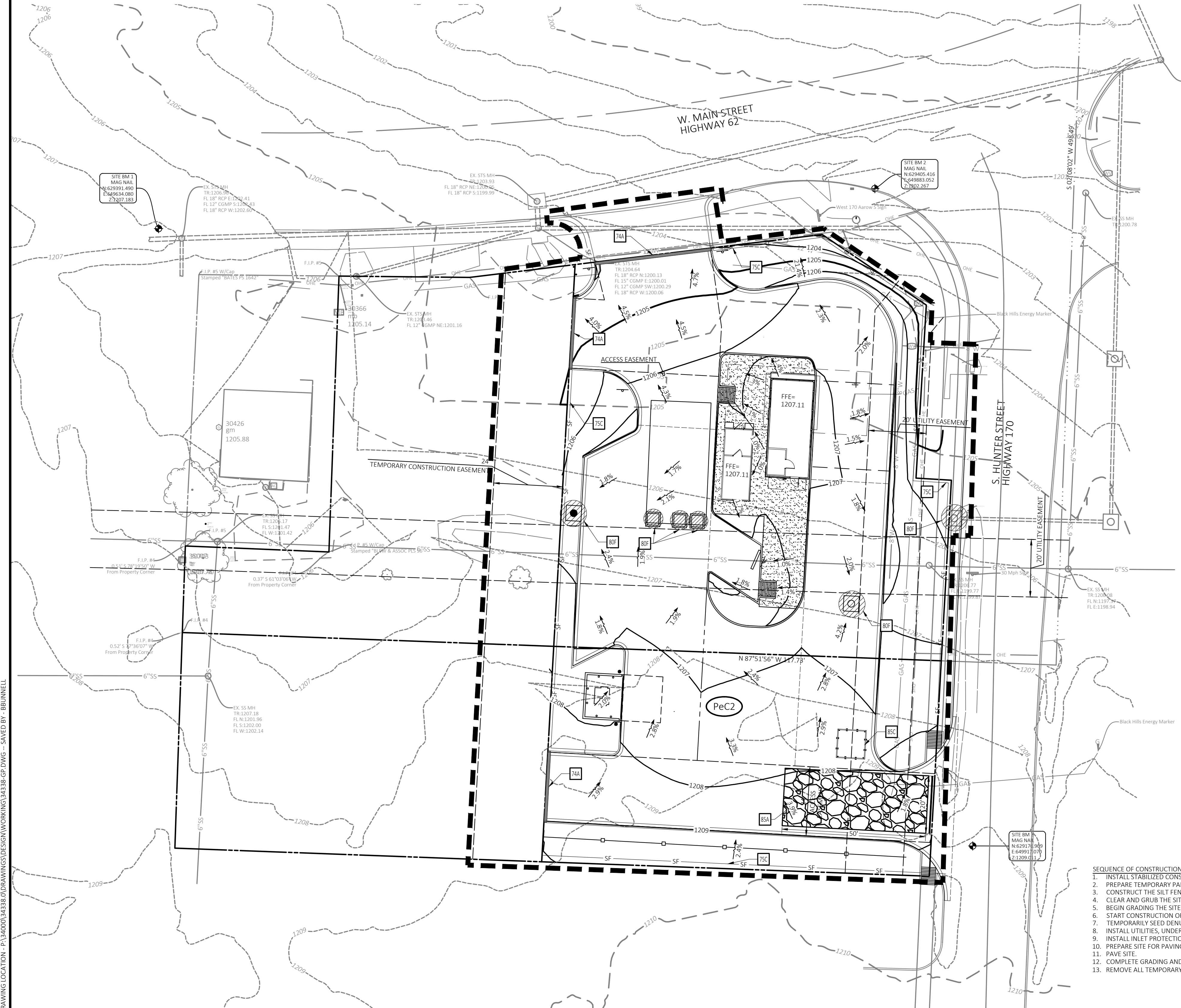
— — — APPROXIMATE LIMITS OF SOIL TYPE

EROSION DETAILS

- 74A BIG RED
- 75C SILT FENCE
- 80F TEMPORARY SILT FENCE INLET PROTECTION
- 85A TEMPORARY STONE CONSTRUCTION ENTRANCE
- 85C TEMPORARY CONCRETE WASHOUT

SEQUENCE OF CONSTRUCTION

1. INSTALL STABILIZED CONSTRUCTION ENTRANCES.
2. PREPARE TEMPORARY PARKING AND STORAGE AREA.
3. CONSTRUCT THE SILT FENCES ON THE SITE.
4. CLEAR AND GRUB THE SITE.
5. BEGIN GRADING THE SITE.
6. START CONSTRUCTION OF BUILDING PAD AND STRUCTURES.
7. TEMPORARILY SEED DENUDEED AREAS.
8. INSTALL UTILITIES, UNDERDRAINS, STORM SEWERS, CURBS AND GUTTERS.
9. INSTALL INLET PROTECTION DEVICES.
10. PREPARE SITE FOR PAVING.
11. PAVE SITE.
12. COMPLETE GRADING AND INSTALL PERMANENT SEEDING AND PLANTING.
13. REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES (ONLY IF SITE IS STABILIZED).



DRAWING LOCATION - P:\240000\24338\03\DRAWINGS\DESIGN\WORKING\24338-CP-DWG - SAVED BY - BRUNNELL



CEI ENGINEERING ASSOCIATES, INC.
2600 NE 11TH ST, SUITE 300
BENTONVILLE, AR 72712
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FAX: (479) 273-0844

REVISION		
NO.	DESCRIPTION	DATE



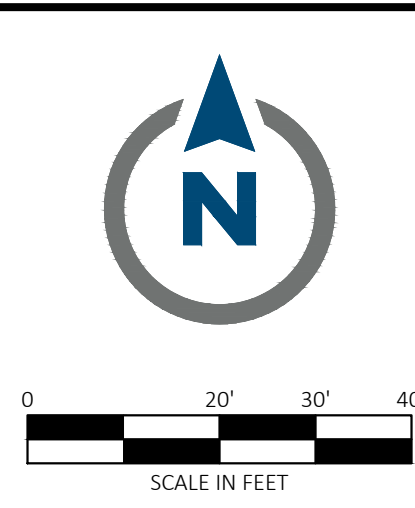
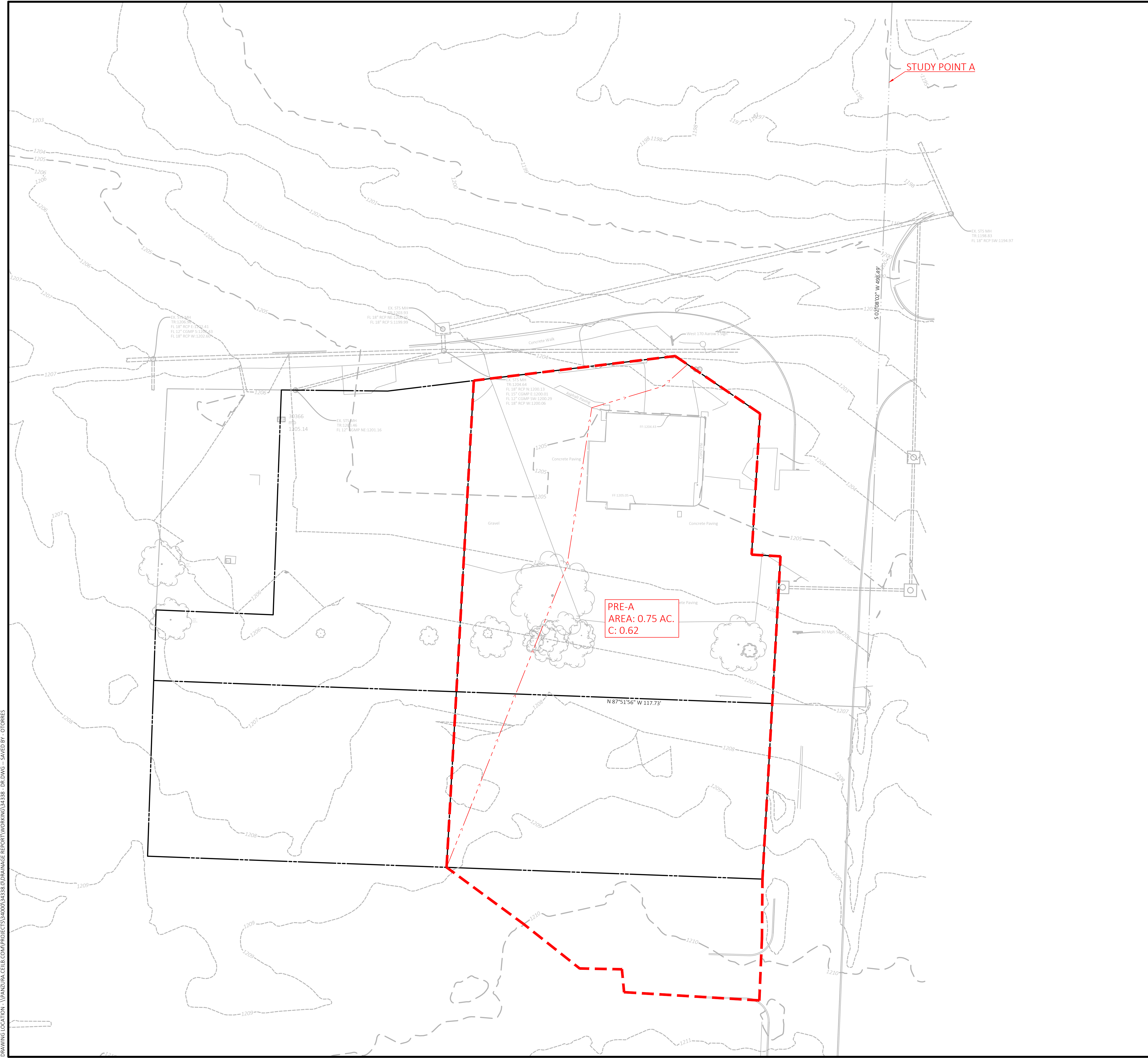
SEVEN BREW
7 WEST MAIN STREET
FARMINGTON, ARKANSAS



PROFESSIONAL OF RECORD	KAP
PROJECT MANAGER	EVD
DESIGNER	BWB
CEI PROJECT NUMBER	34338
DATE	2/10/2025
REVISION	REV-1

EROSION CONTROL PLAN
SHEET TITLE
SHEET NUMBER

C4.0



CEI ENGINEERING ASSOCIATES, INC.
 2600 NE 11TH ST, SUITE 300
 BENTONVILLE, AR 72712
 PHONE: (479) 273-9472
 FAX: (479) 273-0844

EXISTING LEGEND

- | | |
|------------------------------|------------------------------|
| ⊙ POWER POLE | ⊙ GAS METER |
| ☀ LIGHT POLE | ⊙ GAS VALVE |
| ⊙ GUY ANCHOR | ⊙ GAS MARKER |
| ⊙ ELECTRIC METER | ⊙ OIL PIPELINE MARKER |
| ⊙ ELECTRIC BOX | ⊙ MAIL BOX |
| ⊙ ELEC. TRANSFORMER | ⊙ SIGN |
| ⊙ ELEC. MANHOLE | ⊙ FLAG POLE |
| ⊙ ELEC. PEDESTAL | ⊙ FIRE HYDRANT |
| ⊙ ELEC. PULL BOX | ⊙ WATER MANHOLE |
| ⊙ SPOT LIGHT | ⊙ WATER VALVE |
| ⊙ SANITARY SEWER MANHOLE | ⊙ WATER METER |
| ⊙ SANITARY SEWER CLEANOUT | ⊙ DOWN SPOUT |
| ⊙ STORM SEWER MANHOLE | ⊙ AIR CONDITIONER |
| ⊙ TELEPHONE RISER | ⊙ TRAFFIC SIGNAL |
| ⊙ TELEPHONE MANHOLE | ⊙ TRAFFIC SIGNAL BOX |
| ⊙ TELEPHONE MARKER | ⊙ TRAFFIC SIGNAL PULL BOX |
| ⊙ TELEPHONE PULL BOX | ⊙ PEDESTRIAN CROSSING SIGNAL |
| ⊙ FIBER OPTIC MARKER | ⊙ GREASE TRAP |
| ⊙ FIBER OPTIC PULL BOX | ⊙ KEY PAD |
| ⊙ CABLE TV PEDESTAL | ⊙ SECTION CORNER |
| ⊙ CABLE MARKER | ⊙ QUARTER CORNER |
| ⊙ CABLE TV PULL BOX | ⊙ SET IRON PIN W/CAP |
| ⊙ IRRIGATION CONTROL VALVE | ⊙ SET MAG NAIL W/WASHER |
| ⊙ SPRINKLER HEAD | ⊙ FOUND MONUMENT |
| ⊙ BOLLARD | ⊙ VENT PIPE |
| ⊙ FIRE DEPARTMENT CONNECT | ⊙ YARD HYDRANT/SPICKET |
| ⊙ PROPANE TANK | ⊙ BENCHMARK |
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| F.F.P.-FOUND IRON PIN | |
| H/C-HANDICAP | |
| RCP-REINFORCED CONCRETE PIPE | |
| U/E-UTILITY EASEMENT | |

PROPOSED LEGEND

- PRE-DEVELOPED DRAINAGE BASIN LIMITS
- TIME OF CONCENTRATION PATH

NOTE:
 STORM INFRASTRUCTURE LOCATIONS DEPICTED ALONG HUNTER RD APPROXIMATED PER GARVER PLANS (HWY. 62 - CLYDE CARNES RD. (HWY. 170) (FARMINGTON) (S) WASHINGTON COUNTY F.A.P. STPU-9141(1) JOB 040683)

DRAWING LOCATION: \\PANSUR\CEI\COM\PROJECTS\24003\34338\DRAINAGE REPORT\WORKING\34338_DR.DWG - SAVED BY: DGBRES

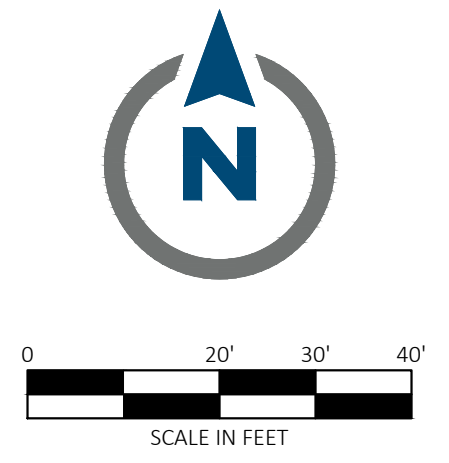
SEVEN BREW
 7 WEST MAIN STREET
 FARMINGTON, ARKANSAS



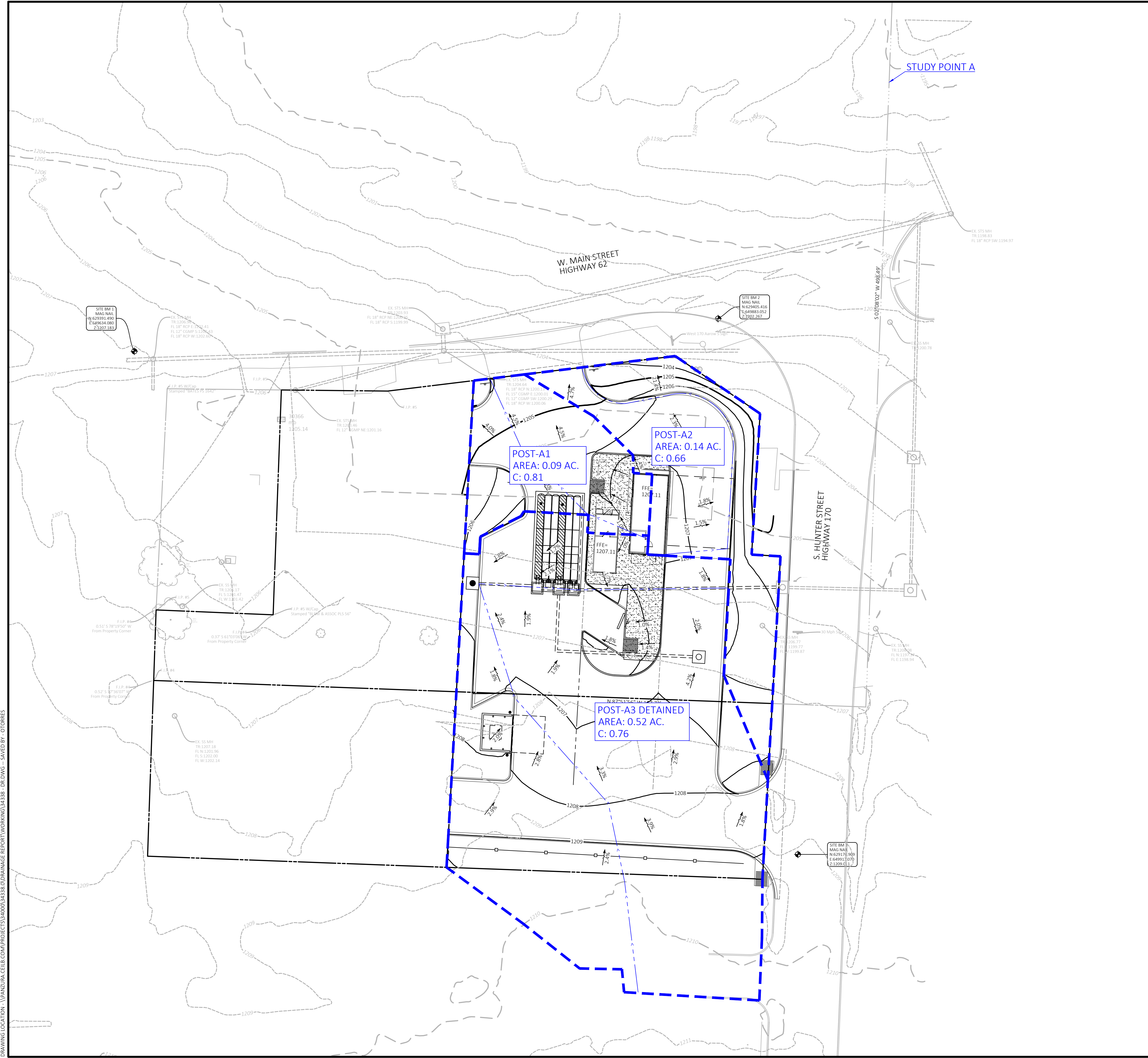
PROFESSIONAL OF RECORD	KAP
PROJECT MANAGER	EVD
DESIGNER	BWB
CEI PROJECT NUMBER	34338
DATE	2/10/2025
REVISION	REV-1

PRE-DEVELOPMENT
 DRAINAGE MAP
 SHEET TITLE
 SHEET NUMBER

C5.0



Know what's below.
Call before you dig.



EXISTING LEGEND

⊙ POWER POLE	⊙ GAS METER
⊙ LIGHT POLE	⊙ GAS VALVE
⊙ GUY ANCHOR	⊙ GAS MARKER
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⊙ SET IRON PIN	⊙ LOT LINE
⊙ SET IRON PIN	⊙ EASEMENT LINE
⊙ CORRUGATED METAL PIPE	⊙ SECTION LINE
⊙ HANDICAP	⊙ UTILITY EASEMENT

PROPOSED LEGEND

--- POST-DEVELOPED DRAINAGE BASIN LIMITS	--- XXX --- CONTOUR ELEVATIONS
--- TIME OF CONCENTRATION PATH	--- FLOWLINE
--- GRADE BREAK	--- STORM DRAIN

NOTE:
STORM INFRASTRUCTURE LOCATIONS DEPICTED ALONG HUNTER RD APPROXIMATED PER GARVER PLANS (HWY. 62 - CLYDE CARNES RD. (HWY. 170) (FARMINGTON) (S) WASHINGTON COUNTY F.A.P. STPU-9141(1) JOB 040683)

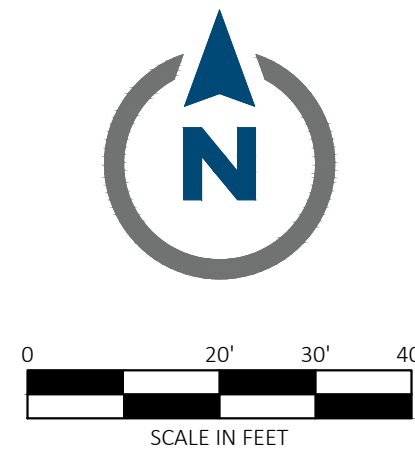
SEVEN BREW
7 WEST MAIN STREET
FARMINGTON, ARKANSAS



PROFESSIONAL OF RECORD	KAP
PROJECT MANAGER	EVD
DESIGNER	BWB
CEI PROJECT NUMBER	34338
DATE	2/10/2025
REVISION	REV-1

POST-DEVELOPMENT
DRAINAGE MAP
SHEET TITLE
SHEET NUMBER

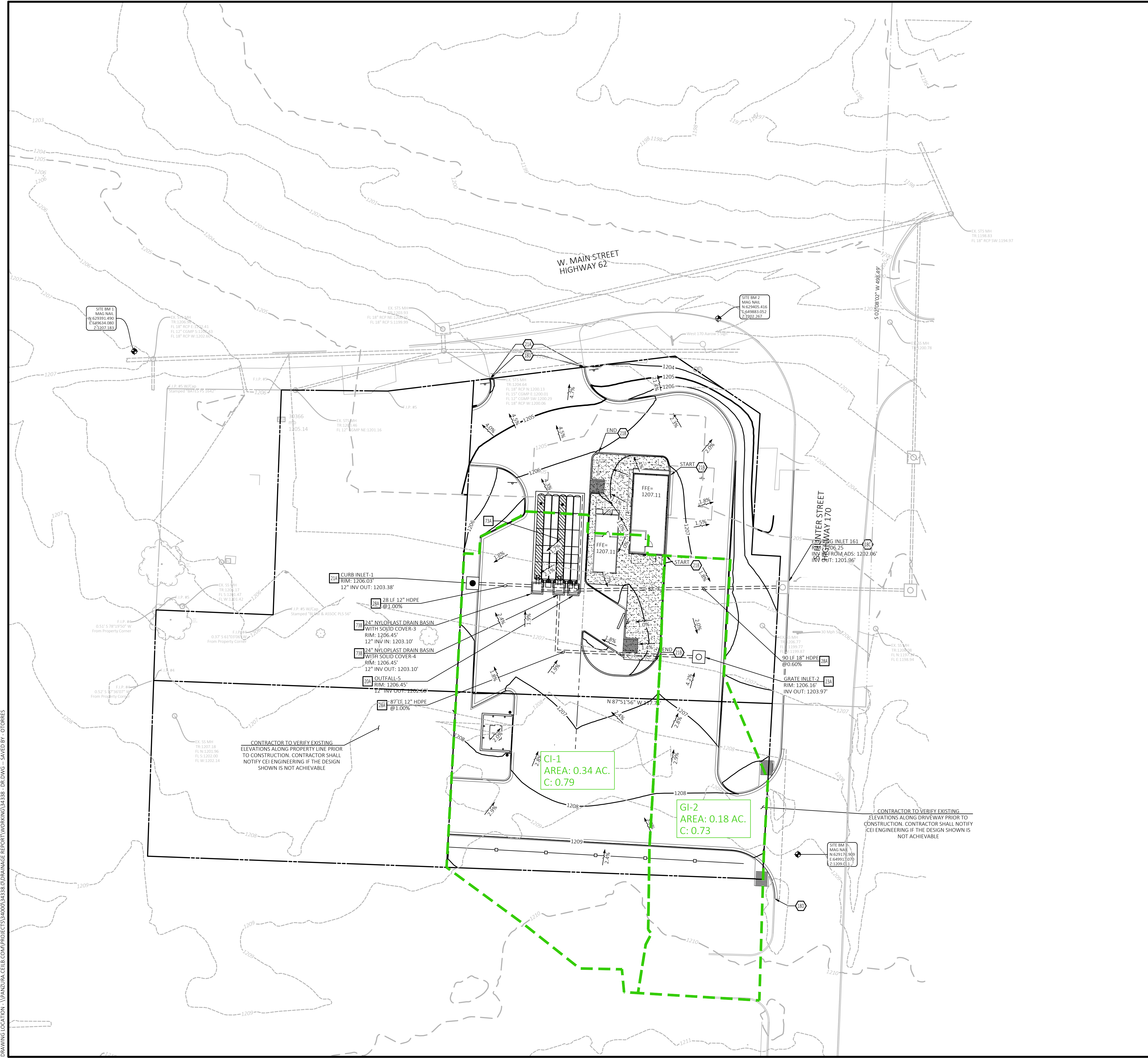
C5.1



Know what's below.
Call before you dig.



CEI ENGINEERING ASSOCIATES, INC.
2600 NE 11TH ST, SUITE 300
BENTONVILLE, AR 72712
PHONE: (479) 273-9472
FAX: (479) 273-0844



EXISTING LEGEND

- | | |
|---------------------------------|------------------------------|
| ⊙ POWER POLE | ⊙ GAS METER |
| ⊙ LIGHT POLE | ⊙ GAS VALVE |
| ⊙ GUY ANCHOR | ⊙ GAS MARKER |
| ⊙ ELECTRIC METER | ⊙ OIL PIPELINE MARKER |
| ⊙ ELECTRIC BOX | ⊙ MAIL BOX |
| ⊙ ELEC. TRANSFORMER | ⊙ SIGN |
| ⊙ ELEC. MANHOLE | ⊙ FLAG POLE |
| ⊙ ELEC. PEDESTAL | ⊙ FIRE HYDRANT |
| ⊙ ELEC. PULL BOX | ⊙ WATER MANHOLE |
| ⊙ SPOT LIGHT | ⊙ WATER VALVE |
| ⊙ SANITARY SEWER MANHOLE | ⊙ WATER METER |
| ⊙ SANITARY SEWER CLEANOUT | ⊙ DOWN SPOUT |
| ⊙ STORM SEWER MANHOLE | ⊙ AIR CONDITIONER |
| ⊙ TELEPHONE RISER | ⊙ TRAFFIC SIGNAL |
| ⊙ TELEPHONE MANHOLE | ⊙ TRAFFIC SIGNAL BOX |
| ⊙ TELEPHONE MARKER | ⊙ TRAFFIC SIGNAL PULL BOX |
| ⊙ TELEPHONE PULL BOX | ⊙ PEDESTRIAN CROSSING SIGNAL |
| ⊙ FIBER OPTIC MARKER | ⊙ GREASE TRAP |
| ⊙ FIBER OPTIC PULL BOX | ⊙ KEY PAD |
| ⊙ CABLE TV PEDESTAL | ⊙ SECTION CORNER |
| ⊙ CABLE MARKER | ⊙ QUARTER CORNER |
| ⊙ CABLE TV PULL BOX | ⊙ SET IRON PIN W/CAP |
| ⊙ IRRIGATION CONTROL VALVE | ⊙ SET MAG NAIL W/WASHER |
| ⊙ SPRINKLER HEAD | ⊙ FOUND MONUMENT |
| ⊙ BOLLARD | ⊙ VENT PIPE |
| ⊙ FIRE DEPARTMENT CONNECT | ⊙ YARD HYDRANT/SPICKET |
| ⊙ PROPANE TANK | ⊙ BENCHMARK |
| | ⊙ WELLHEAD |
| — WATER LINE | — CHAIN LINK FENCE |
| — GAS LINE | — WOOD PANEL FENCE |
| — SANITARY SEWER LINE | — MASONRY FENCE |
| — TELEPHONE LINE | — IRON FENCE |
| — ELECTRIC LINE | — FIBER OPTIC LINE |
| — OVERHEAD POWERLINE | — PROPERTY LINE |
| — BARBED WIRE FENCE | — LOT LINE |
| S.I.P.-SET IRON PIN | I.P.-IRON PIN |
| C.G.M.P.-CORRUGATED METAL PIPE | B./L.-BUILDING LIMIT LINE |
| F.P.-FOUND IRON PIN | H/C-HANDICAP |
| R.C.P.-REINFORCED CONCRETE PIPE | U/E-UTILITY EASEMENT |

PROPOSED LEGEND

- | | |
|-------------------------------|----------------------------|
| — INLET DRAINAGE BASIN LIMITS | — XXX — CONTOUR ELEVATIONS |
| — GRADE BREAK | — FLOWLINE |
| | — STORM DRAIN |

NOTE:
STORM INFRASTRUCTURE LOCATIONS DEPICTED ALONG HUNTER RD APPROXIMATED PER GARVER PLANS (HWY. 62 - CLYDE CARNES RD. (HWY. 170) (FARMINGTON) (S) WASHINGTON COUNTY F.A.P. STPU-9141(1) JOB 040683)

SEVEN BREW
7 WEST MAIN STREET
FARMINGTON, ARKANSAS



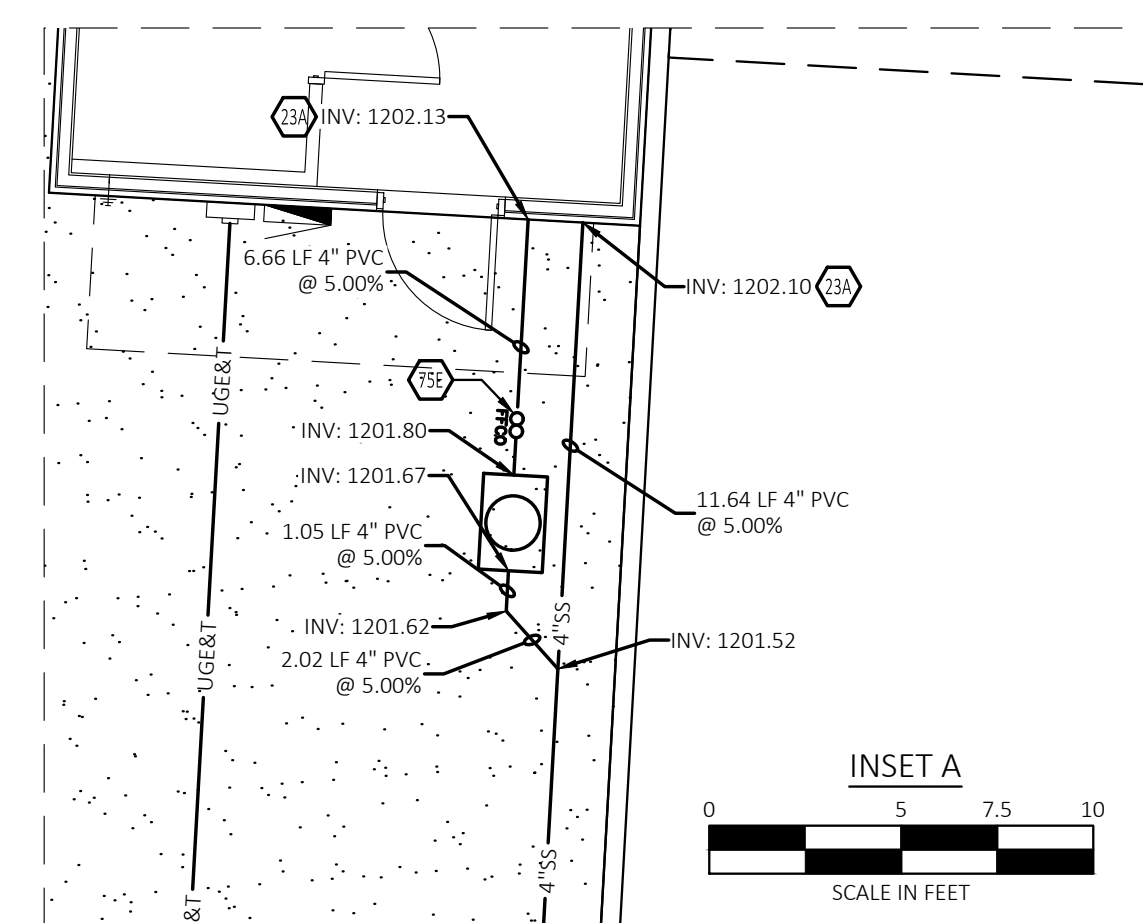
PROFESSIONAL OF RECORD	KAP
PROJECT MANAGER	EVD
DESIGNER	BWB
CEI PROJECT NUMBER	34338
DATE	2/10/2025
REVISION	REV-1

INLET MAP
SHEET TITLE
SHEET NUMBER

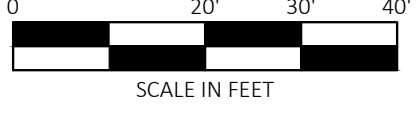
C5.2

DRAWING LOCATION: \\PANSUR&CEI\COM\PROJECTS\24003\34338\DRAINAGE\REPORT\WORKING\34338_DR.DWG - SAVED BY: DCBBRES

- UTILITY DETAILS**
- 42A WATER LINE TRENCHING AND BEDDING
 - 42B SANITARY SEWER TRENCHING AND BEDDING
- UTILITY NOTES**
- 22A POINT OF CONNECTION - WATER SERVICE (PER LOCAL CODES).
 - 22L METERED DOMESTIC WATER SERVICE ENTRY PER ARCH. PLANS (SEE SIZES THIS SHEET).
 - 23A POINT OF CONNECTION - SANITARY SEWER SERVICE (PER LOCAL CODES).
 - 23K SANITARY SEWER SERVICE WYE (PER LOCAL CODES).
 - 26F TWO TELEPHONE CONDUITS (PVC SCH.40).
 - 30D VERIFY LOCATION AND DEPTH OF EXISTING UTILITY BEFORE CONSTRUCTING PROPOSED UTILITY.
 - 31A LOCATION FOR THIS UTILITY AS SHOWN IS FOR DRAWING PURPOSES ONLY. CONTRACTOR SHALL VERIFY THE EXACT LOCATION IN FIELD PRIOR TO THE CONSTRUCTION OF THE PROPOSED UTILITY LINE TO BE CONNECTED. CONTRACTOR SHALL NOTIFY CEI ENGINEERING IF THE DESIGN AS SHOWN IS NOT ACHIEVABLE.
 - 75A CONNECT TO POLE MOUNTED TRANSFORMER
 - 75B RELOCATED ANCHOR GUY WIRES
 - 75C 1" DOMESTIC WATER METER.
 - 75D IRRIGATION WATER METER.
 - 75E TWO WAY CLEANOUT



NOTE:
SEE ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF PORCHES, RAMPS, VESTIBULE, SLOPED PAVING, TRUCK DOCKS, BUILDING UTILITY ENTRANCE LOCATIONS AND PRECISE BUILDING DIMENSIONS.



Know what's below.
Call before you dig.



SITE BENCHMARK

SITE BENCHMARK 1:
MAG NAIL
N: 629591.490
E: 649634.080
Z: 1207.183

SITE BENCHMARK 2:
MAG NAIL
N: 629405.416
E: 649583.052
Z: 1202.267

SITE BENCHMARK 3:
N: 629176.909
E: 649917.070
Z: 1209.011

LEGEND

EXISTING LEGEND

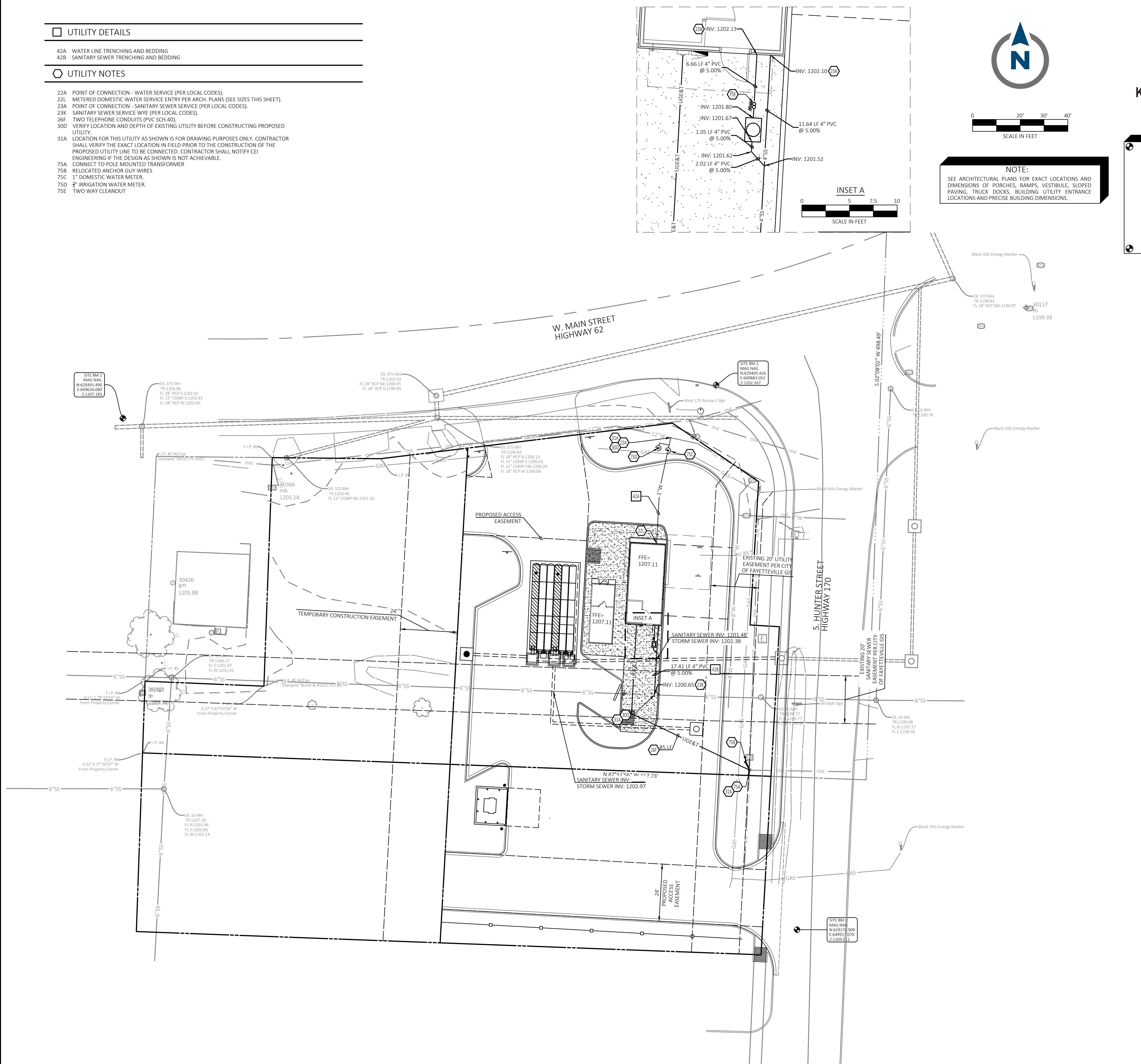
- POWER POLE
- LIGHT POLE
- GUY ANCHOR
- ELECTRIC METER
- ELECTRIC BOX
- ELEC. TRANSFORMER
- ELEC. MANHOLE
- ELEC. PEDESTAL
- ELEC. PULL BOX
- SPOT LIGHT
- SANITARY SEWER MANHOLE
- SANITARY SEWER CLEANOUT
- STORM SEWER MANHOLE
- TELEPHONE RISER
- TELEPHONE MANHOLE
- TELEPHONE MARKER
- TELEPHONE PULL BOX
- FIBER OPTIC MARKER
- FIBER OPTIC PULL BOX
- CABLE TV PEDESTAL
- CABLE MARKER
- CABLE TV PULL BOX
- IRRIGATION CONTROL VALVE
- SPRINKLER HEAD
- BOLLARD
- FIRE DEPARTMENT CONNECT
- PROPANE TANK
- GAS METER
- GAS VALVE
- GAS MARKER
- OIL PIPELINE MARKER
- MAIL BOX
- SIGN
- FLAG POLE
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- WATER METER
- DOWN SPOUT
- AIR CONDITIONER
- TRAFFIC SIGNAL
- TRAFFIC SIGNAL BOX
- TRAFFIC SIGNAL PULL BOX
- PEDESTRIAN CROSSING SIGNAL
- GREASE TRAP
- KEY PAD
- COLUMN
- SECTION CORNER
- QUARTER CORNER
- SET IRON PIN W/CAP
- SET MAG NAIL W/WASHER
- FOUND MONUMENT
- RIGHT OF WAY MARKER
- YARD HYDRANT/SPICKET
- BENCHMARK
- SATELLITE DISH
- WELLHEAD
- CHAIN LINK FENCE
- WOOD PANEL FENCE
- MASONRY FENCE
- IRON FENCE
- FIBER OPTIC LINE
- PROPERTY LINE
- LOT LINE
- EASEMENT LINE
- SECTION LINE

PROPOSED LEGEND

- PROPERTY LINE/RIGHT OF WAY LINE
- STORM DRAIN
- UG&T UNDERGROUND ELECTRIC AND TELEPHONE SERVICE
- SANITARY SEWER SERVICE
- WATER SERVICE
- CURB INLET
- GRATE INLET
- GREASE TRAP (PER SEVEN BREW STANDARDS)
- DOUBLE CLEANOUT

GENERAL UTILITY NOTES

- A. ALL WATER LINES SHALL BE "TYPE K" WITH 36" MIN. COVER.
- B. ALL SANITARY SEWER LINES SHALL BE SDR 35 WITH 36" MIN. COVER.
- C. CONTRACTOR SHALL COORDINATE ANY DISRUPTIONS TO EXISTING UTILITY SERVICES WITH ADJACENT PROPERTY OWNERS.
- D. ALL ELECTRIC, TELEPHONE AND GAS EXTENSIONS INCLUDING SERVICE LINES SHALL BE CONSTRUCTED TO THE APPROPRIATE UTILITY COMPANY SPECIFICATIONS. ALL UTILITY DISCONNECTIONS SHALL BE COORDINATED WITH THE DESIGNATED UTILITY COMPANIES.
- E. CONSTRUCTION SHALL NOT START ON ANY PUBLIC UTILITY SYSTEM UNTIL WRITTEN APPROVAL HAS BEEN RECEIVED BY THE ENGINEER FROM THE APPROPRIATE GOVERNING AUTHORITY AND CONTRACTOR HAS BEEN NOTIFIED BY THE ENGINEER.
- F. PRIOR TO THE CONSTRUCTION OF OR CONNECTION TO ANY STORM DRAIN, SANITARY SEWER, WATER MAIN OR ANY OF THE DRY UTILITIES, THE CONTRACTOR SHALL EXCAVATE, VERIFY AND CALCULATE ALL POINTS OF CONNECTION AND ALL UTILITY CROSSINGS AND INFORM CEI ENGINEERING AND THE OWNER/DEVELOPER OF ANY CONFLICT OR REQUIRED DEVIATIONS FROM THE PLAN. NOTIFICATION SHALL BE MADE A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION. CEI ENGINEERING AND ITS CLIENTS SHALL BE HELD HARMLESS IN THE EVENT THAT THE CONTRACTOR FAILS TO MAKE SUCH NOTIFICATION.
- G. UNLESS OTHERWISE SHOWN, CALLED OUT OR SPECIFIED HEREON OR WITHIN SPECIFICATIONS: ALL WATER LINE PIPE BEDDING SHALL BE INSTALLED PER DETAIL 42A. ALL SANITARY SEWER PIPE BEDDING SHALL BE INSTALLED PER DETAIL 42B.
- H. PRIOR TO ANY CONSTRUCTION IN RIGHT-OF-WAY, CONTRACTOR SHALL INSTALL TRAFFIC CONTROL IN ACCORDANCE WITH MUTCD.



CEI ENGINEERING ASSOCIATES, INC.
2600 NE 11TH ST, SUITE 300
BENTONVILLE, AR 72712
PHONE: (479) 273-9472
FAX: (479) 273-0844

REVISION

NO.	DESCRIPTION	DATE



SEVEN BREW
7 WEST MAIN STREET
FARMINGTON, ARKANSAS



PROFESSIONAL OF RECORD KAP
PROJECT MANAGER EVD
DESIGNER BWB
CEI PROJECT NUMBER 34338
DATE 2/10/2025
REVISION REV-1

UTILITY PLAN
SHEET TITLE
SHEET NUMBER

C6.0

PAVEMENT MARKING KEYNOTES

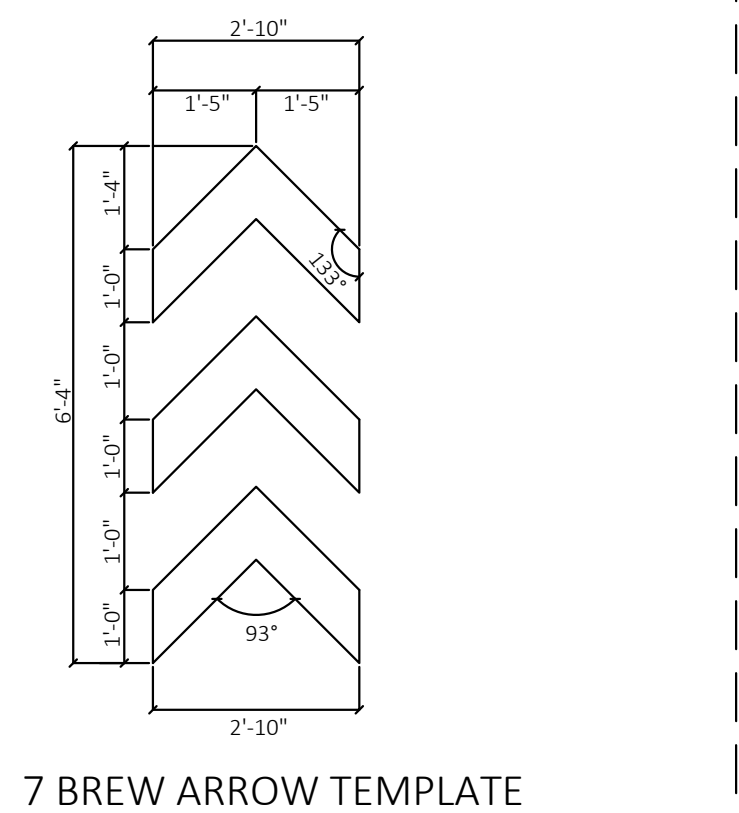
- 12" SOLID RED STOP BAR WITH 48-INCH TALL "STOP" TEXT PAINTED IN RED.
- 4" SOLID BLUE PAVEMENT MARKER, TYPICAL. MIDLINES SPACE AT 24" O.C.
- ALIGN 4" SOLID BLUE CROSS WALK MARKER WITH SLIDING DOOR PANEL AT FRONT OPENING.
- SOLID WHITE TRIPLE ARROW PAVEMENT MARKER.
- BLUE PAINTED ADA ACCESSIBLE PARKING SYMBOL.
- 48-INCH TALL "LANE #1" PAINTED IN RED.
- SOLID RED DIRECTIONAL ARROW PAVEMENT MARKING.
- 4" SOLID BLUE PAVEMENT MARKER, TYPICAL.

PAVING DETAILS

- 03D CONCRETE SIDEWALK.
- 08A STANDARD DUTY ASPHALT PAVING.
- 08C HEAVY DUTY CONCRETE PAVING.

PAVING NOTES

- 12D 4 INCH WIDE PAINTED BLUE STRIPES. 2.0 FOOT O.C. @ 45 DEGREES (SEE SIZE INDICATED AT SYMBOL).
- 70A 24-INCH TALL "DO NOT ENTER" PAINTED IN WHITE.



NOTE:
SEE ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF PORCHES, RAMPS, VESTIBULE, SLOPED PAVING, TRUCK DOCKS, BUILDING UTILITY ENTRANCE LOCATIONS AND PRECISE BUILDING DIMENSIONS.



Know what's below.
Call before you dig.

SITE BENCHMARK 1:		
MAG NAIL	N: 629391.490	E: 649634.080
	Z: 1207.183	
SITE BENCHMARK 2:		
MAG NAIL	N: 629405.416	E: 649883.052
	Z: 1202.267	
SITE BENCHMARK 3:		
MAG NAIL	N: 629176.909	E: 649917.070
	Z: 1209.011	



VICINITY MAP
NOT TO SCALE

LEGEND

EXISTING LEGEND

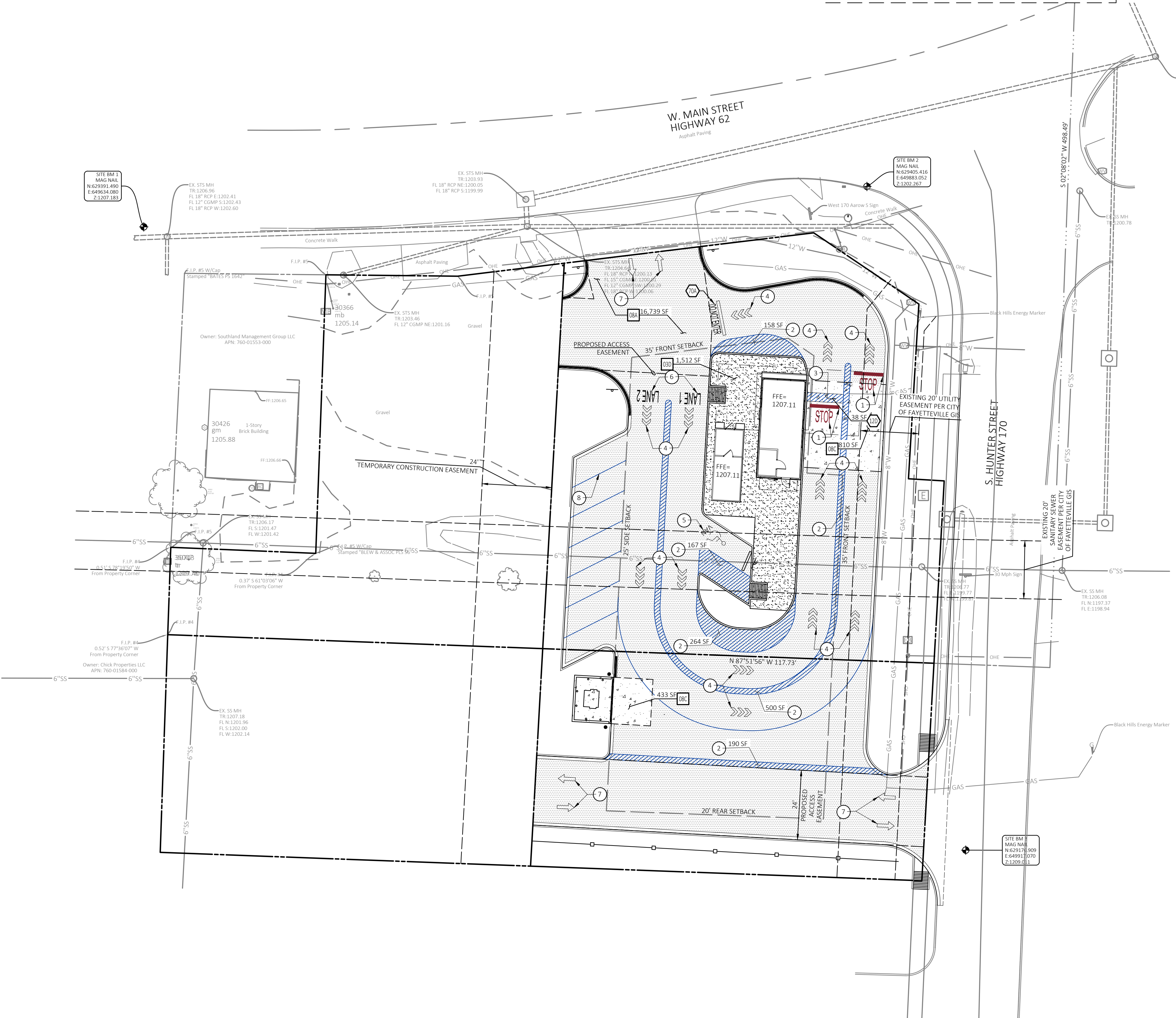
- POWER POLE
- LIGHT POLE
- GUY ANCHOR
- ELECTRIC METER
- ELECTRIC BOX
- ELEC. TRANSFORMER
- ELEC. MANHOLE
- ELEC. PEDESTAL
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- IRON FENCE
- FIBER OPTIC LINE
- PROPERTY LINE
- LOT LINE
- EASEMENT LINE
- SECTION LINE

PROPOSED LEGEND

- PROPERTY LINE/RIGHT OF WAY LINE
- CONCRETE CURB AND GUTTER. SEE DETAIL 01A/01B.
- STRIPING PAINT COLORS**
- WHITE: PMS 000C, C: 0%, M: 0%, Y: 0%, K: 0%, R: 255, G: 255, B: 255, HEX: FFFFFFFF
- BLUE: PMS 293, C: 100%, M: 63%, Y: 0%, K: 35%, R: 0, G: 51, B: 165, HEX: 003DAS
- RED: PMS 202, C: 29.54%, M: 95.11%, Y: 74.72%, K: 29.59%, R: 138, G: 36, B: 50, HEX: BA2432

GENERAL PAVING NOTES

- ALL DIMENSIONS SHOWN ARE TO THE FACE OF CURB UNLESS OTHERWISE NOTED.
- PAVEMENT SECTION DESIGNS ARE TAKEN FROM THE GEOTECHNICAL INVESTIGATION REPORT AND ADDENDA AS PREPARED BY TERRACON, DATED DECEMBER 12, 2024. REFERENCE GEOTECHNICAL REPORT FOR COMPLETE DESIGN SPECIFICATION AND DETAILED RECOMMENDATIONS.
- WITHIN 24 HOURS PRIOR TO ANY PAVING ACTIVITIES, THE CONTRACTOR SHALL PERFORM SUBGRADE COMPACTION AND PROOF ROLL TESTS ON PREPARED SUBGRADE TO VERIFY THE SUBGRADE HAS NOT DETERIORATED DURING PROJECT CONSTRUCTION.
- AFTER COMPLETING PAVING ACTIVITIES, THE CONTRACTOR IS RESPONSIBLE FOR HAVING PAVEMENT CORED UNDER SUPERVISION OF MATERIALS INSPECTOR AND SUBMITTING CORE RESULTS TO ENGINEER AND OWNER.
- CONCRETE TO ASPHALT STANDARD PAVEMENT HEADER SHALL BE USED FOR ALL CONCRETE TO ASPHALT INTERFACES.
- ALL AREAS WITH CONCRETE PAVING SHALL HAVE A "LIGHT BROOM" FINISH.
- UNLESS OTHERWISE SHOWN, CALLED OUT OR SPECIFIED HEREON OR WITHIN THE SPECIFICATIONS:
 - ALL CURB AND GUTTER ADJACENT TO ASPHALT PAVING SHALL BE INSTALLED PER DETAIL 01A.
 - ALL CURB AND GUTTER ADJACENT TO CONCRETE PAVING SHALL BE INSTALLED PER DETAIL 01B.
- PRIOR TO ANY CONSTRUCTION IN RIGHT-OF-WAY, CONTRACTOR SHALL INSTALL TRAFFIC CONTROL IN ACCORDANCE WITH MUTCD.



CEI ENGINEERING ASSOCIATES, INC.
2600 NE 11TH ST, SUITE 300
BENTONVILLE, AR 72712
PHONE: (479) 273-0472
FAX: (479) 273-0844

REVISION		
NO.	DESCRIPTION	DATE



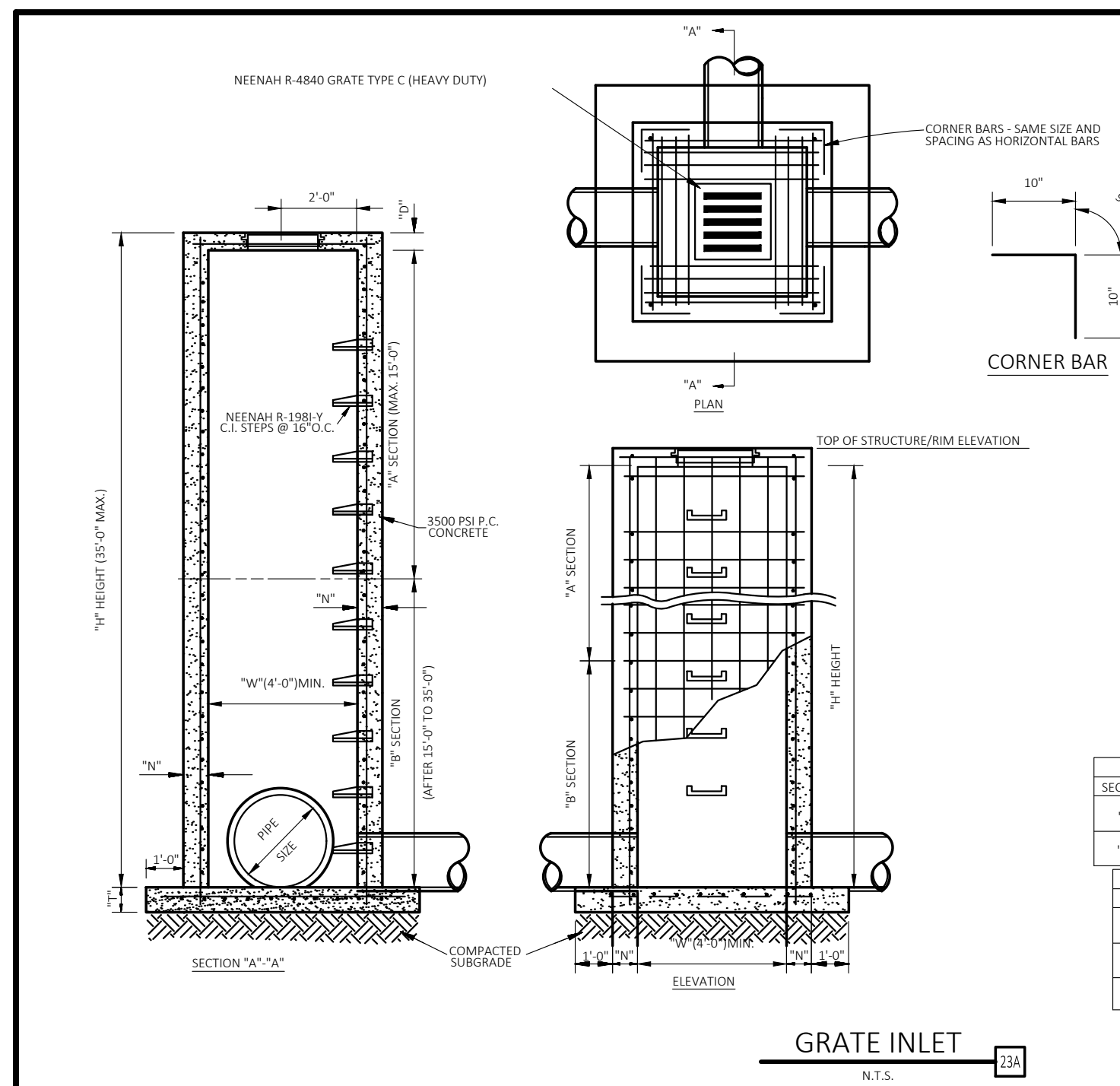
SEVEN BREW
7 WEST MAIN STREET
FARMINGTON, ARKANSAS



PROFESSIONAL OF RECORD	KAP
PROJECT MANAGER	EVD
DESIGNER	BWB
CEI PROJECT NUMBER	34338
DATE	2/10/2025
REVISION	REV-1

PAVING PLAN
SHEET TITLE
SHEET NUMBER

C7.0



GENERAL NOTES:

- ALL EXPOSED CORNERS TO HAVE 3/4" CHAMFER
- ALL #4 & #5 REINFORCING BARS TO HAVE 1-1/2" COVER, LARGER SIZES TO HAVE 2" COVER
- SEE GRADING AND DRAINAGE PLAN FOR PIPE SIZES, LOCATIONS, AND FLOW LINES
- PIPES SHALL CONNECT TO THE ENDS OR SIDES OF THE INLET. CONNECTION SHALL NOT BE MADE AT CORNERS OR INLET
- ALL REINFORCING BARS TO BE GRADE 60

REINFORCEMENT SCHEDULE, BASE

SECTION	WIDTH (W')	REINFORCEMENT
"A"	4'	#4 @ 6" E.W.
"B"	GREATER THAN 4'	#5 @ 6" E.W.

TABLE OF "W" DIMENSIONS

PIPE SIZE	SKED W/ CROSS DRAIN	30"	36"	42"	48"	54"	60"	66"	72"	78"	84"	90"
4"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"
6"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"
8"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"
10"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"
12"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"
15"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"
18"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"
24"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"
30"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"
36"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"
42"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"
48"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"
54"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"
60"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"
66"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"
72"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"
78"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"
84"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"
90"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"	4'-0"

REINFORCEMENT SCHEDULE, WALLS

SECTION	WIDTH (W')	HOR.	VERT.
"A"	4'	#4 @ 8"	#4 @ 10"
"B"	GREATER THAN 4'	#5 @ 8"	#5 @ 10"
"C"	GREATER THAN 4'	#5 @ 4 1/2"	#5 @ 10"
"D"	GREATER THAN 4'	#5 @ 8"	#5 @ 10"

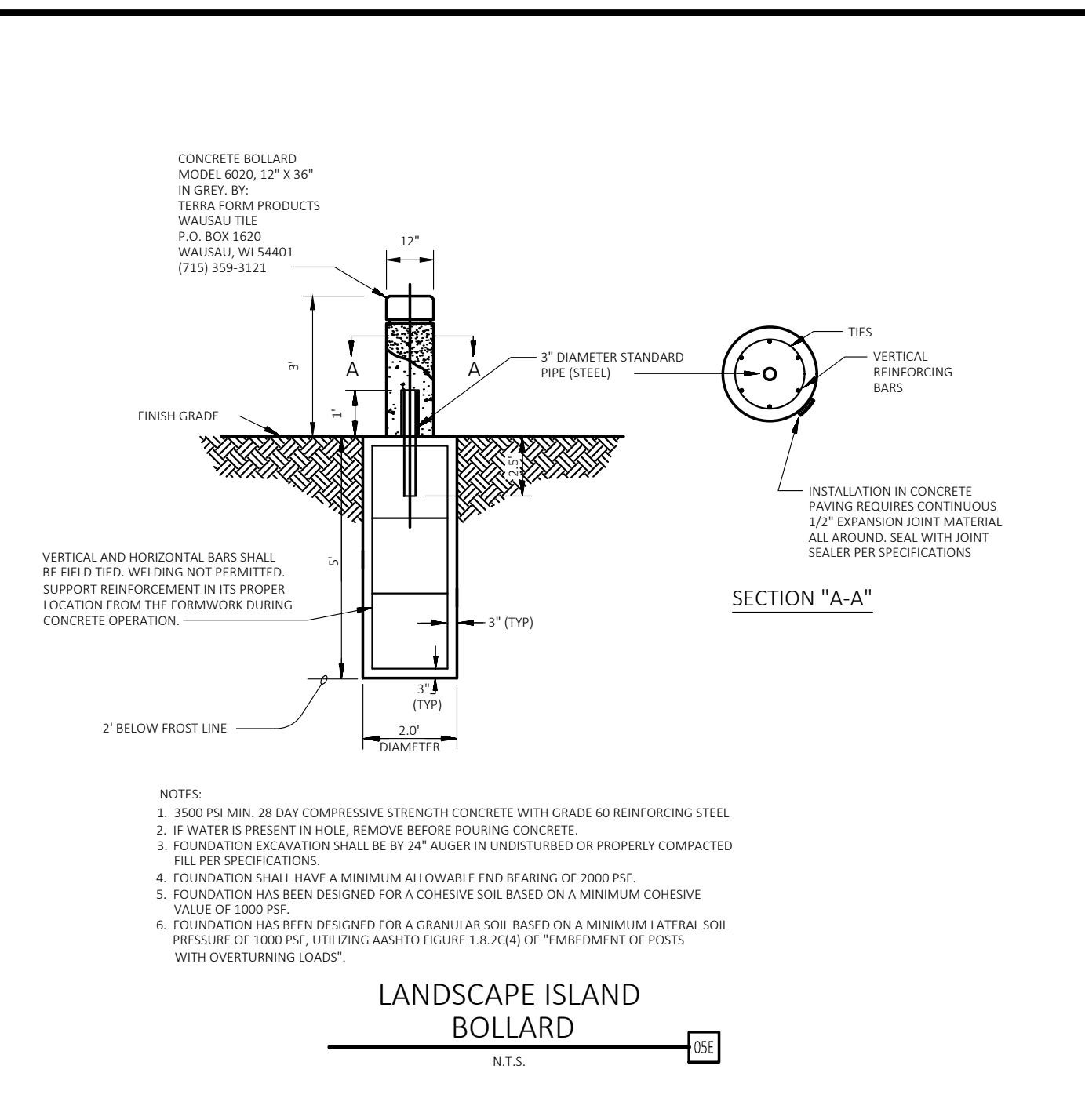
TABLE OF "T" & "N" DIMENSIONS

SECTION	WIDTH (W')	"T"	"N"	"D"
"A"	BETWEEN 4' & 7'	6" PIPE THICKNESS	8"	8"
"B"	GREATER THAN 7'	6" PIPE THICKNESS	8"	8"
"C"	BETWEEN 4' & 7'	6" PIPE THICKNESS	8"	8"
"D"	GREATER THAN 7'	6" PIPE THICKNESS	10"	8"

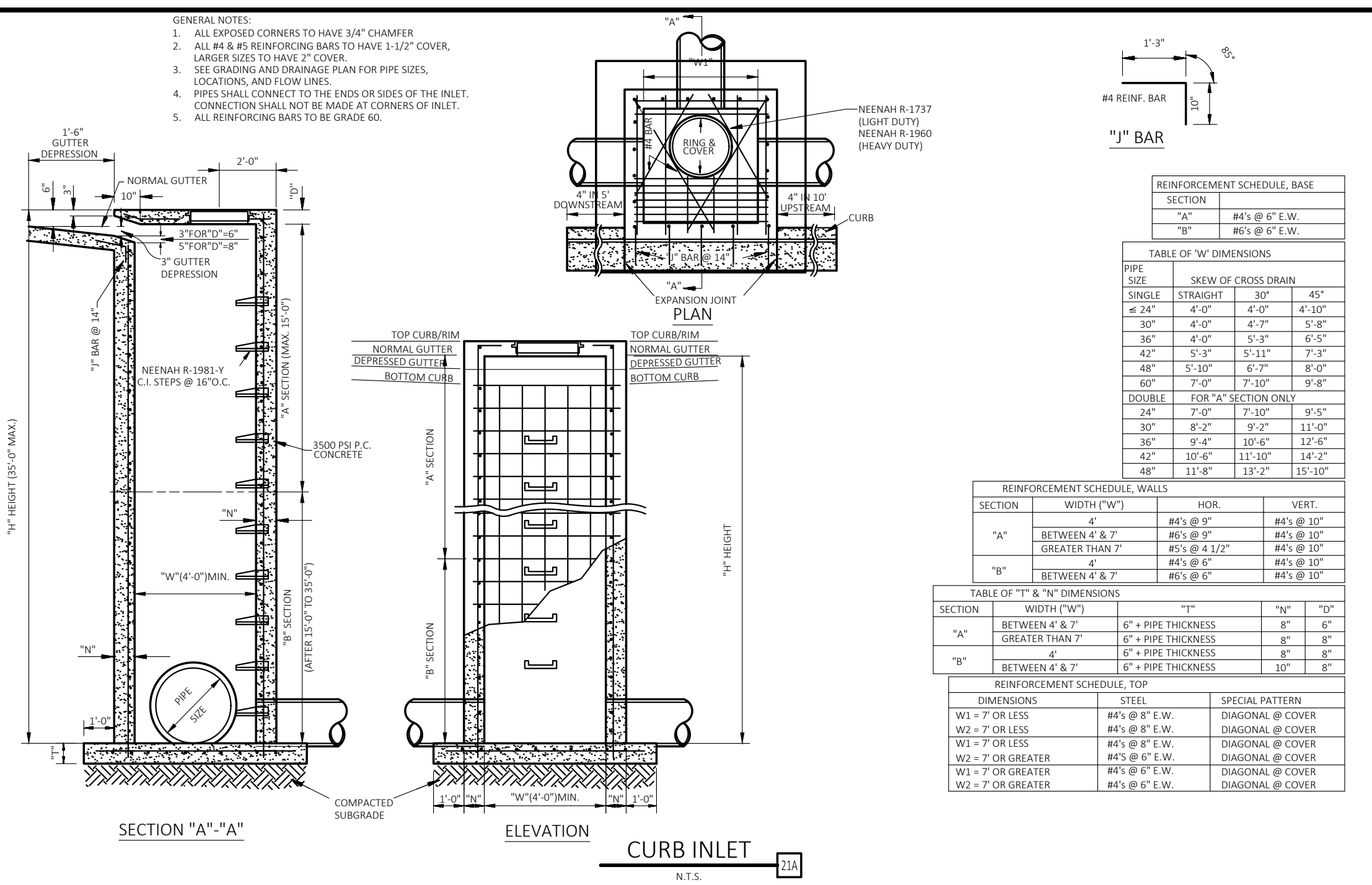
REINFORCEMENT SCHEDULE, TOP

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

GRATE INLET [23A]



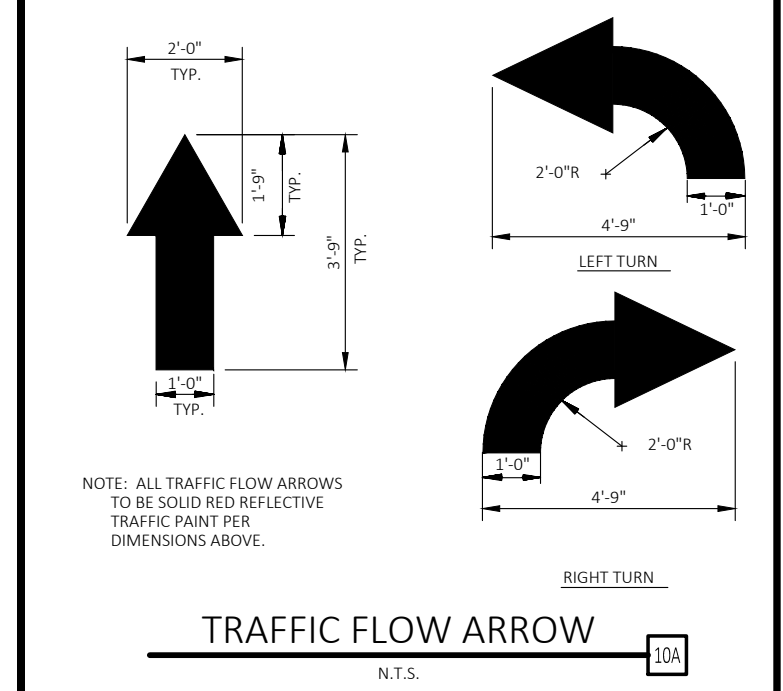
LANDSCAPE ISLAND BOLLARD [23B]



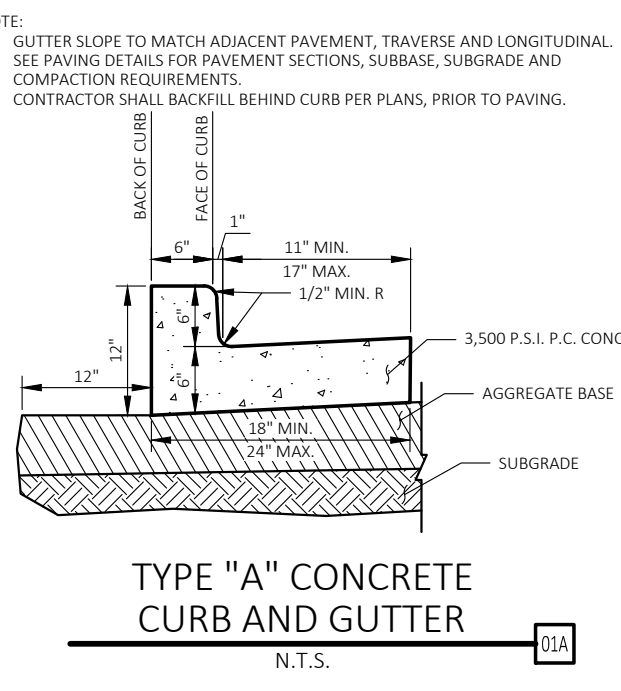
SECTION "A-A" [23C]

ELEVATION [23D]

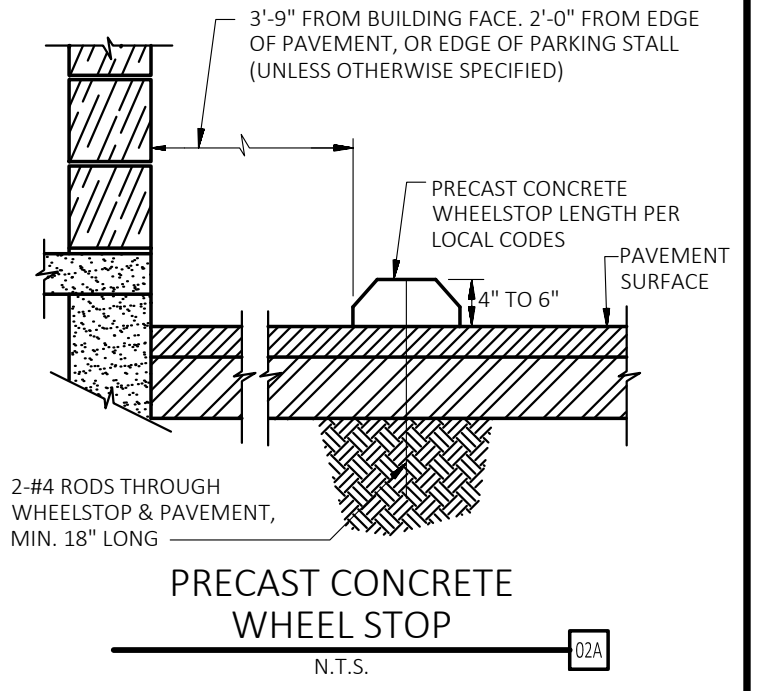
CURB INLET [23E]



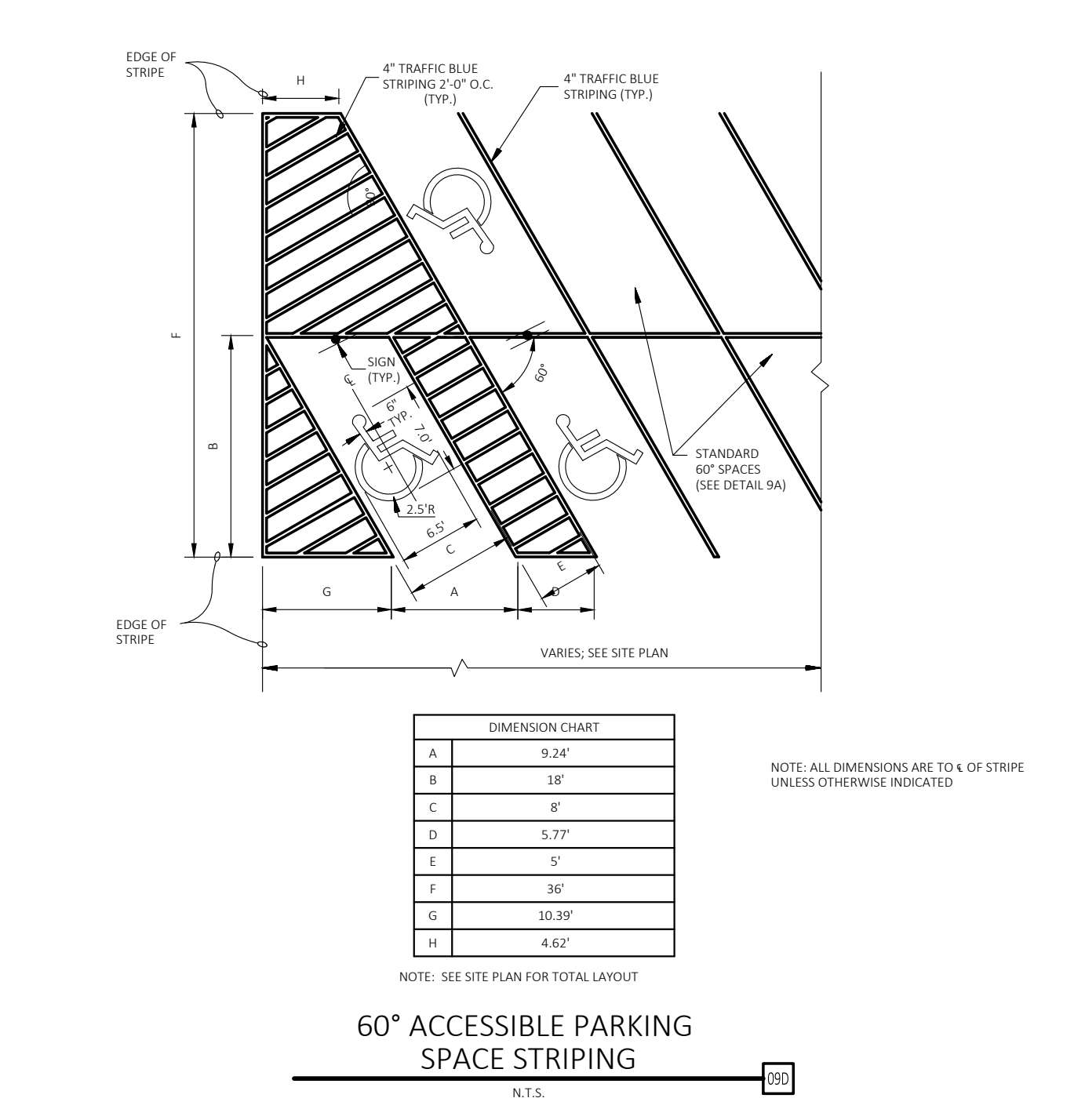
TRAFFIC FLOW ARROW [24A]



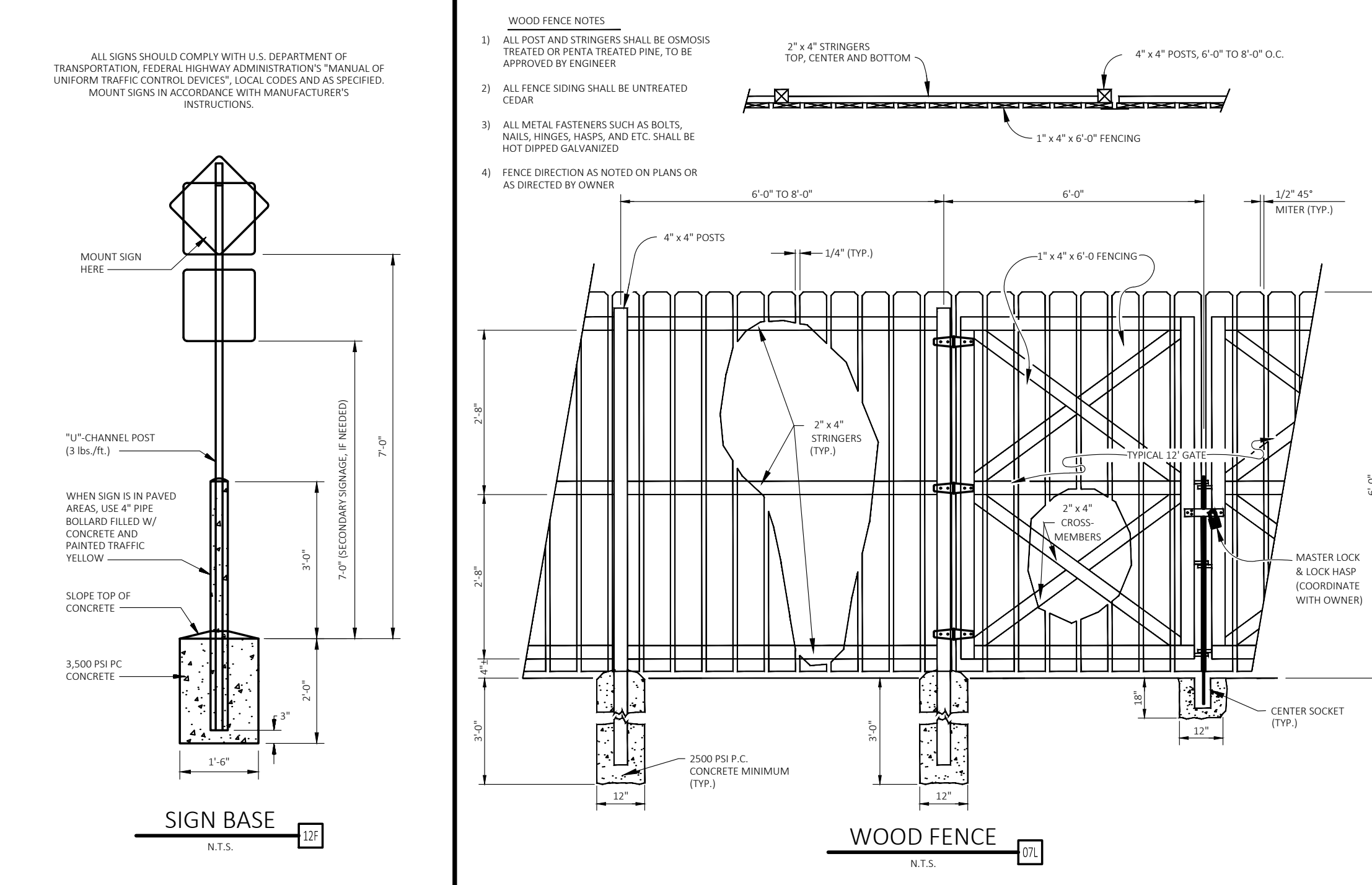
TYPE "A" CONCRETE CURB AND GUTTER [24B]



PRECAST CONCRETE WHEELSTOP [24C]

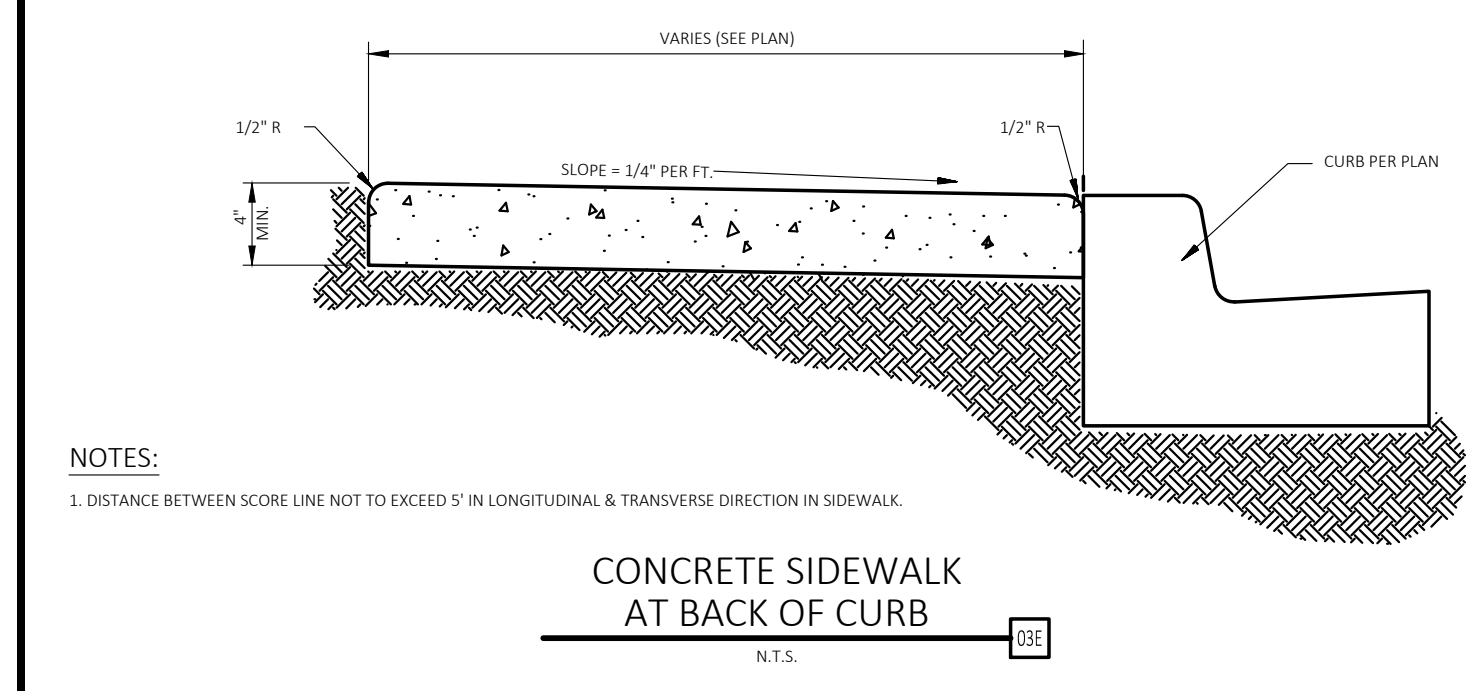


60° ACCESSIBLE PARKING SPACE STRIPING [25A]

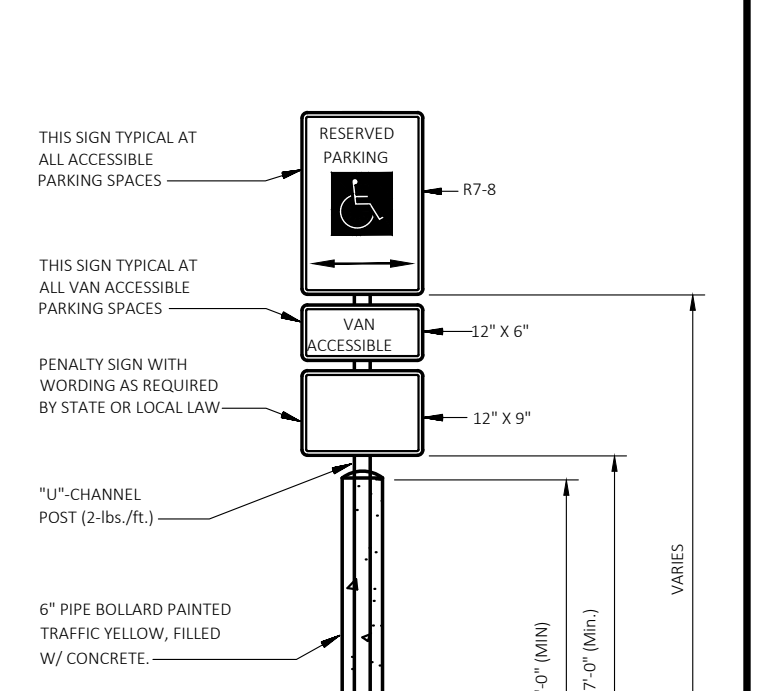


SIGN BASE [25B]

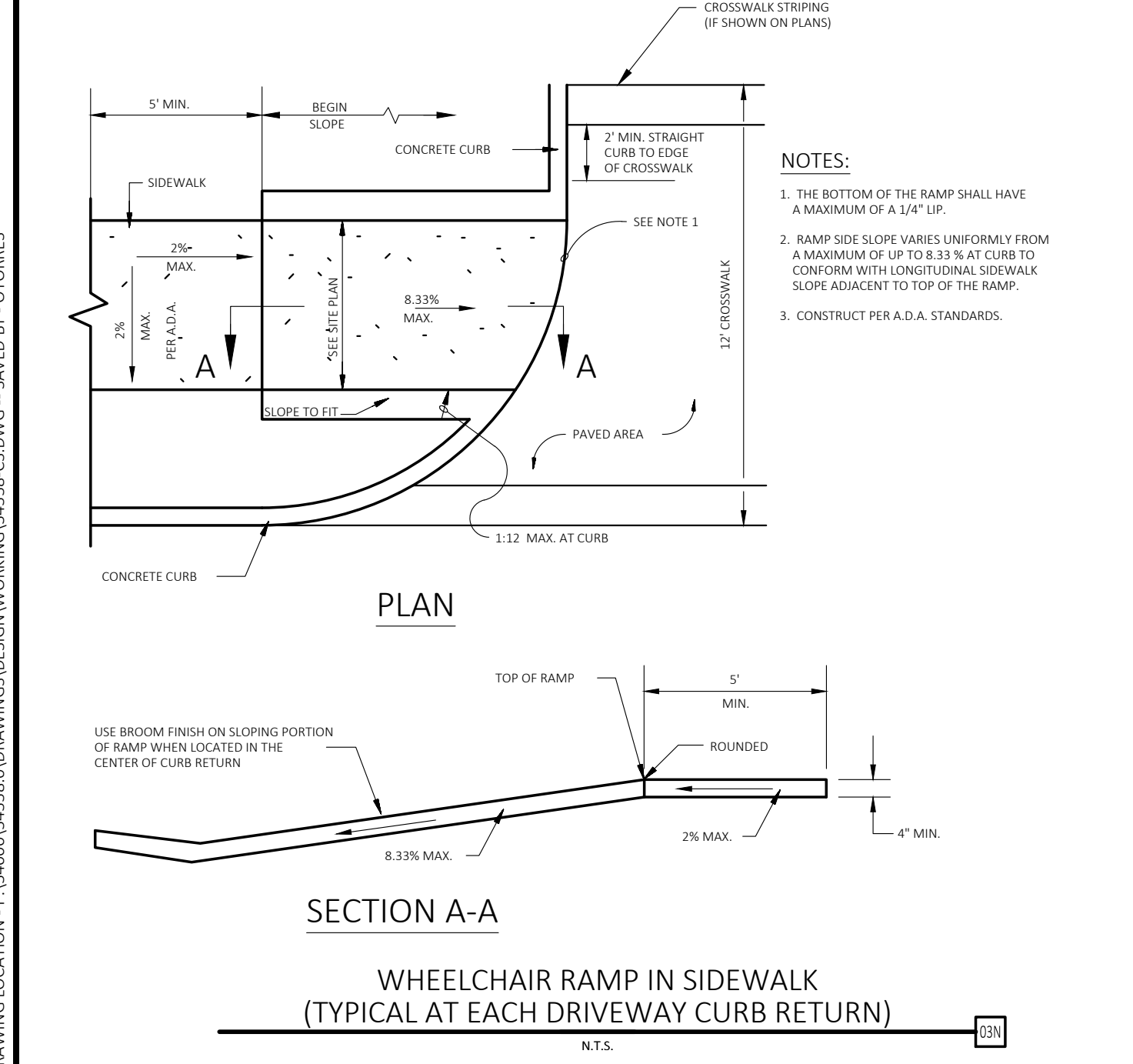
WOOD FENCE [25C]



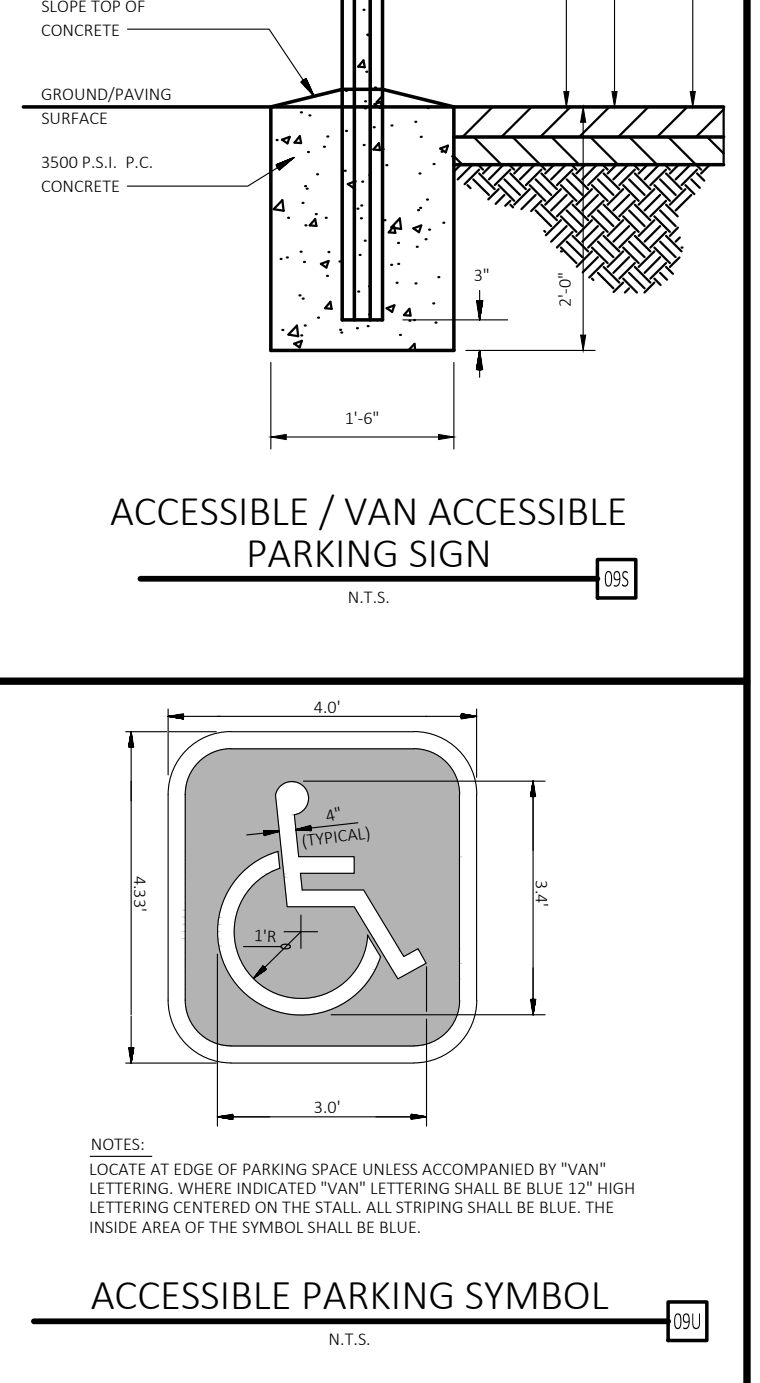
CONCRETE SIDEWALK AT BACK OF CURB [26A]



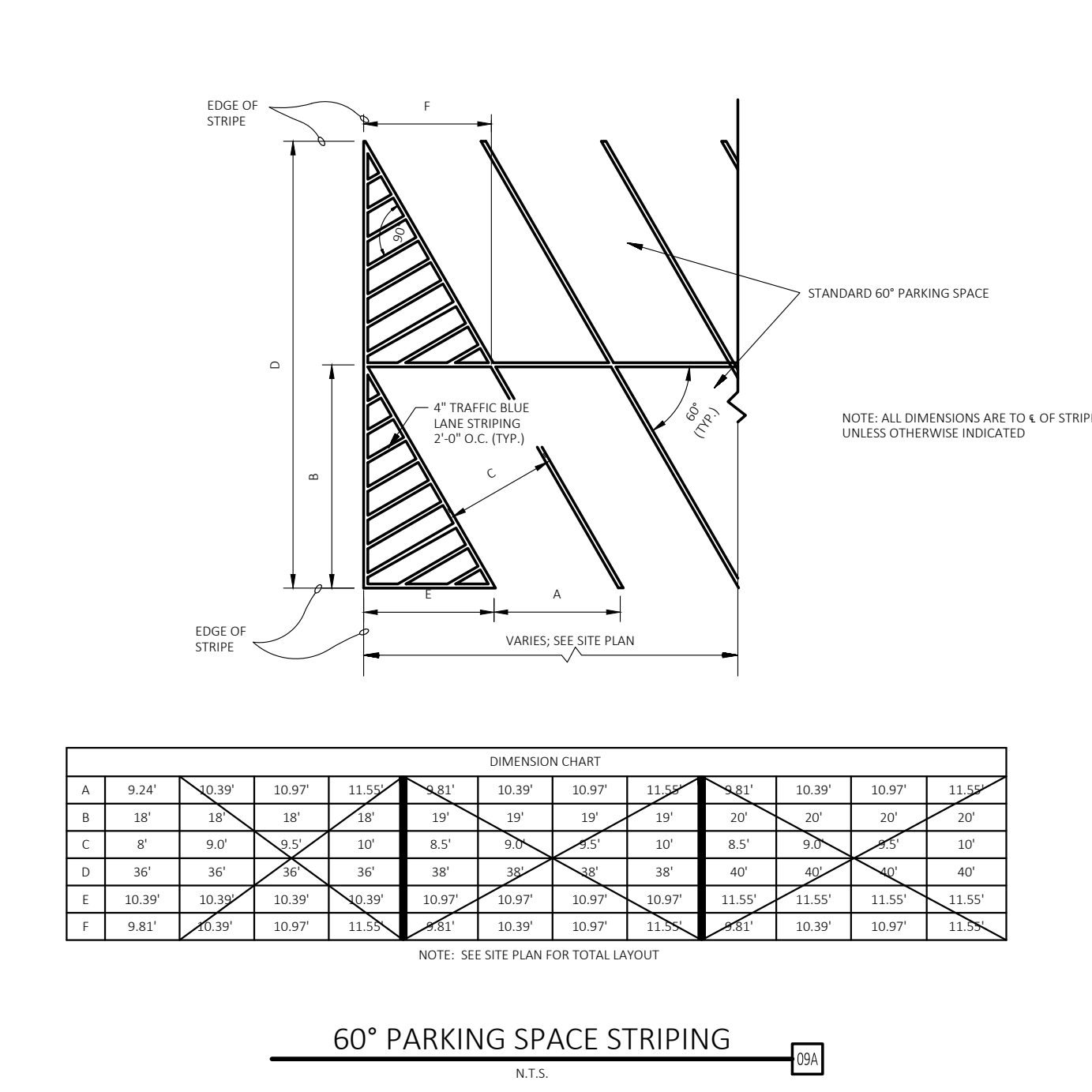
ACCESSIBLE / VAN ACCESSIBLE PARKING SIGN [26B]



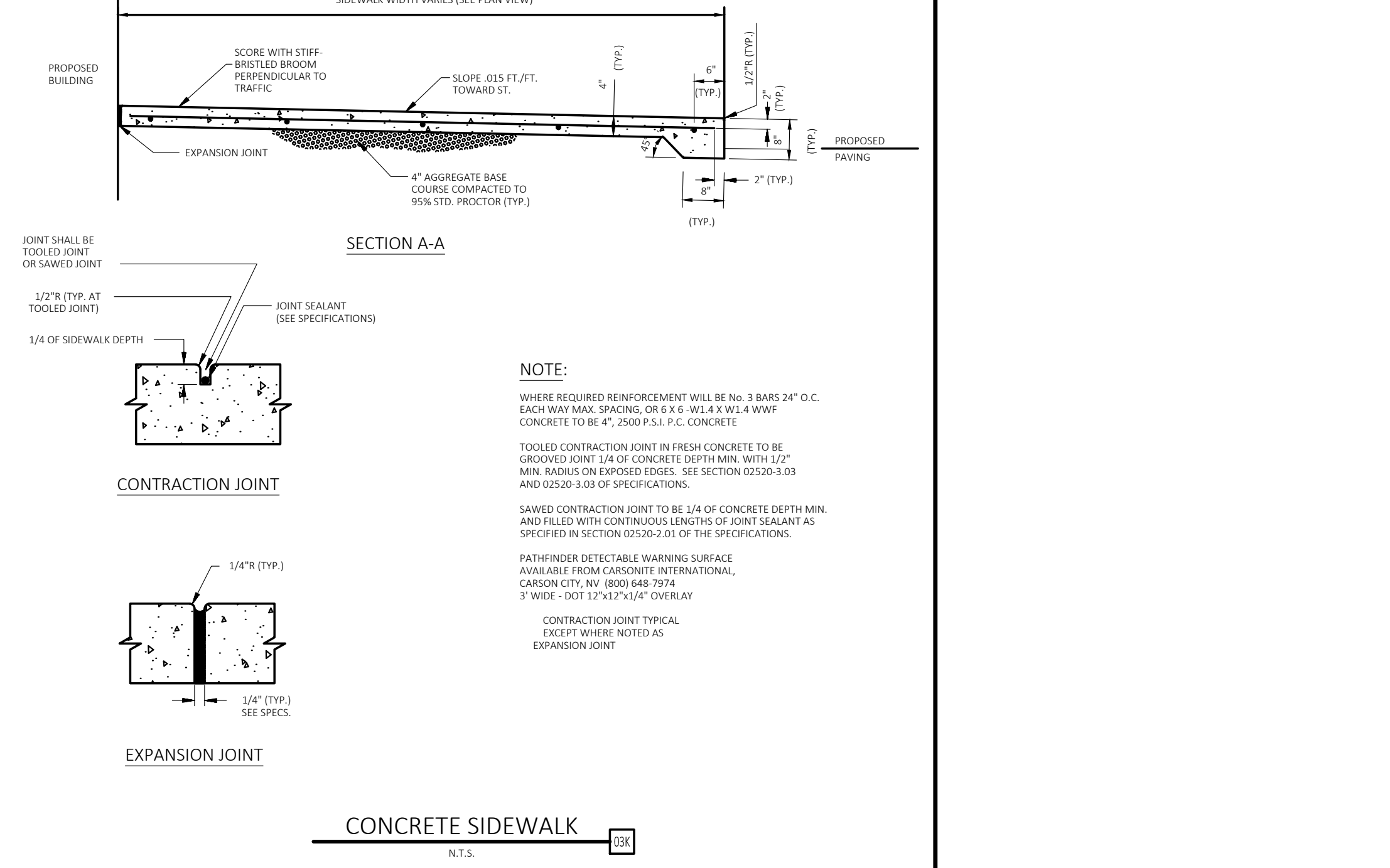
WHEELCHAIR RAMP IN SIDEWALK (TYPICAL AT EACH DRIVEWAY CURB RETURN) [27A]



ACCESSIBLE PARKING SYMBOL [27B]



60° PARKING SPACE STRIPING [28A]



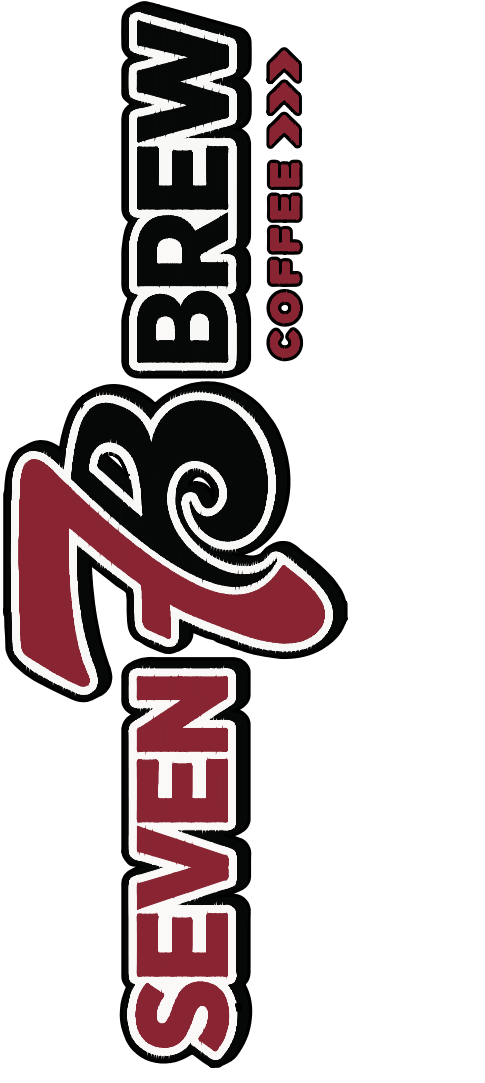
CONCRETE SIDEWALK [28B]



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2600 NE 11TH ST, SUITE 300
BENTONVILLE, AR 72712
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NO.	DESCRIPTION	DATE

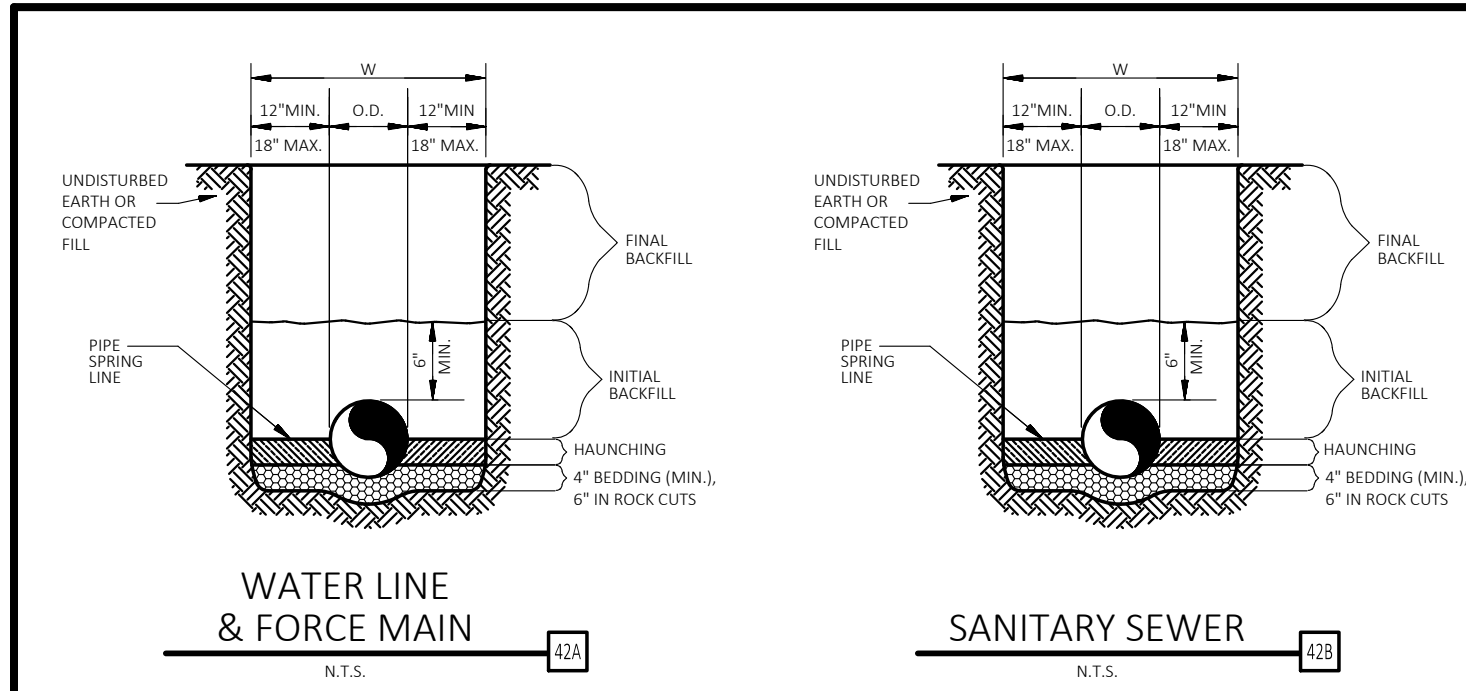


SEVEN BREW
7 WEST MAIN STREET
FARMINGTON, ARKANSAS

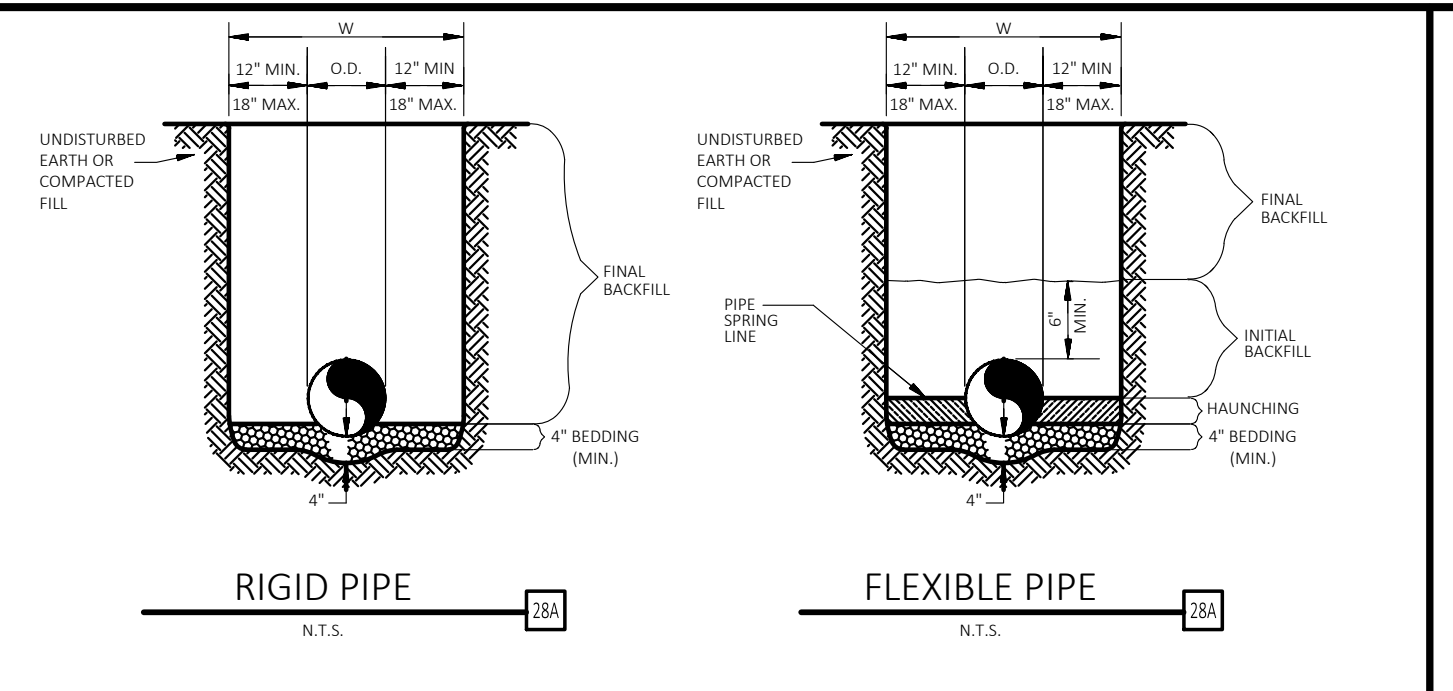
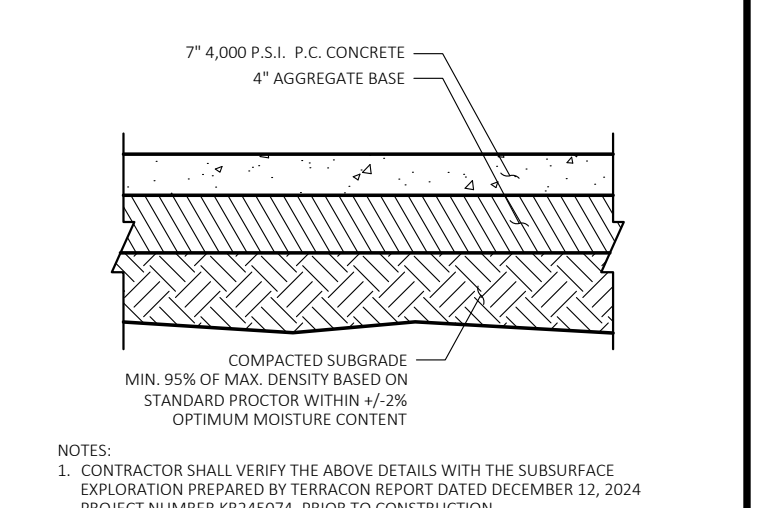
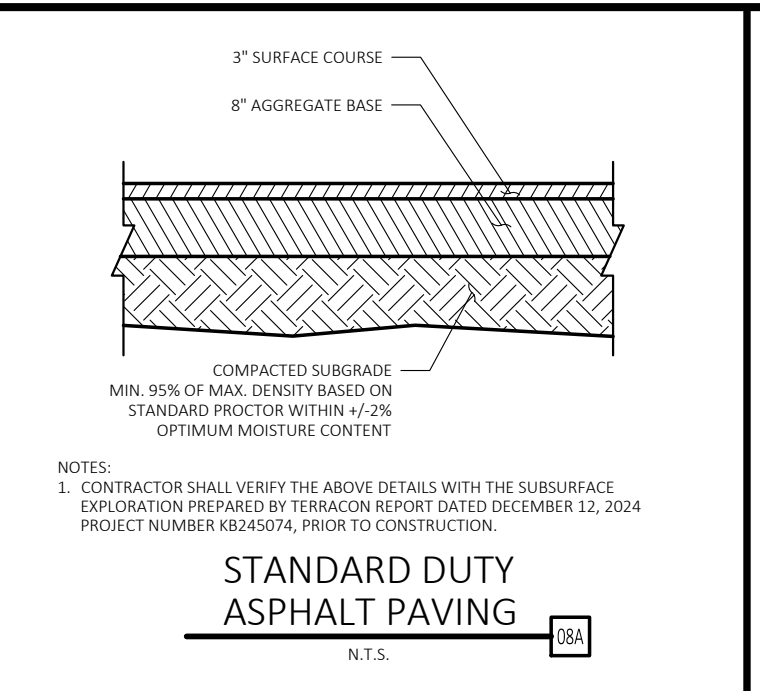


PROFESSIONAL OF RECORD KAP
PROJECT MANAGER EVD
DESIGNER BBW
CEI PROJECT NUMBER 34338
DATE 2/10/2025
REVISION REV-1

DETAIL SHEET I
SHEET TITLE
SHEET NUMBER
C8.0

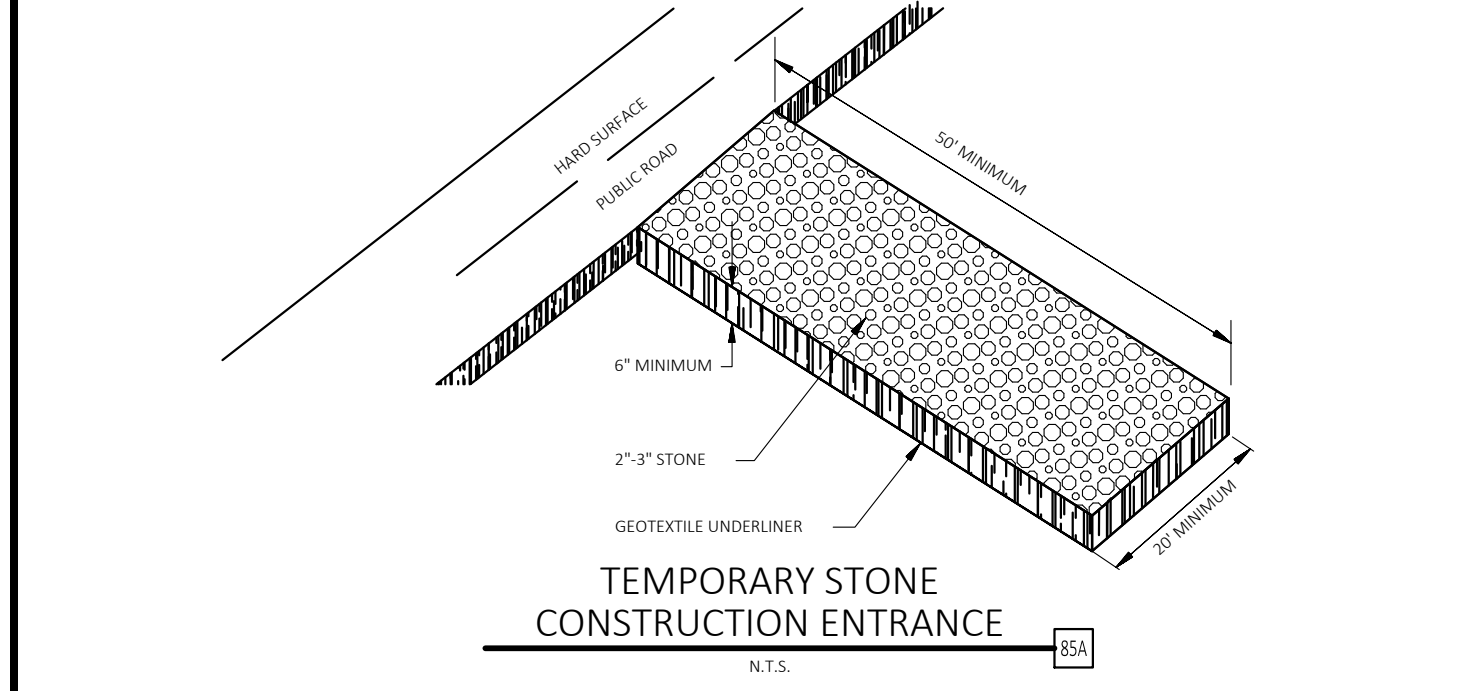


- GENERAL NOTES:**
- BEDDING SHALL BE CLASS I-A WORKED BY HAND. IF GROUNDWATER IS ANTICIPATED, THEN BEDDING SHALL BE CLASS II COMPACTED TO 85% STANDARD PROCTOR. (SEE SPECIFICATIONS FOR GRADATION)
 - HAUNCHING SHALL BE WORKED AROUND THE PIPE BY HAND TO ELIMINATE VOIDS AND SHALL BE CLASS I-A OR CLASS II OR CLASS III COMPACTED TO 85% STANDARD PROCTOR.
 - INITIAL BACKFILL SHALL BE CLASS I-A WORKED BY HAND, OR CLASS II OR CLASS III COMPACTED TO 85% STANDARD PROCTOR.
 - INITIAL BACKFILL NOT UNDER PAVED AREAS CAN BE CLASS II OR CLASS III COMPACTED TO 90% STANDARD PROCTOR.
 - FINAL BACKFILL SHALL BE CLASS I, II, OR III COMPACTED AS NOTED IN NOTES 3, AND 4.
 - FINAL BACKFILL NOT UNDER PAVED AREAS CAN BE CLASS IV-A COMPACTED TO 95% STANDARD PROCTOR.
 - ALL MATERIALS ARE CLASSIFIED IN ACCORDANCE WITH ASTM D 2921, LATEST EDITION.
 - ALL MATERIALS SHALL BE INSTALLED IN MAXIMUM 8\"/>

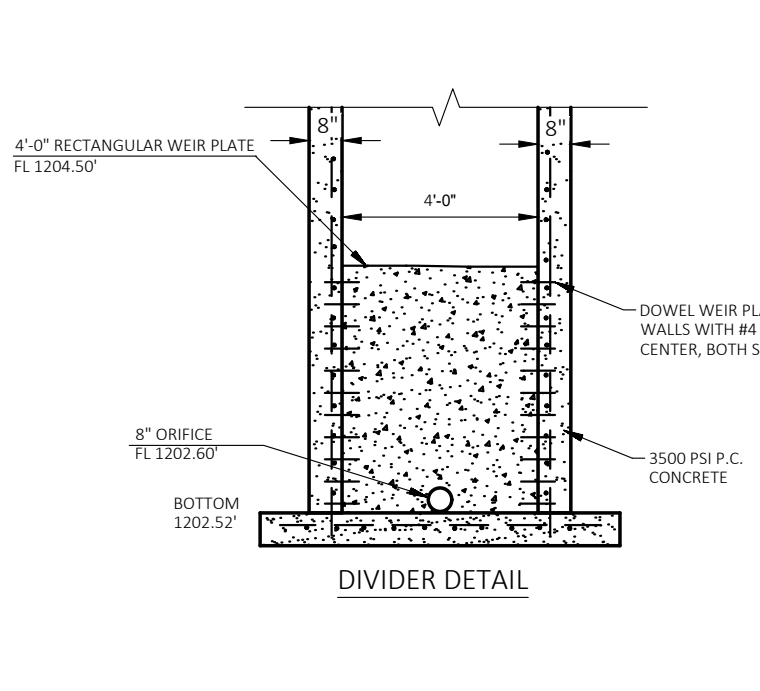


- GENERAL NOTES:**
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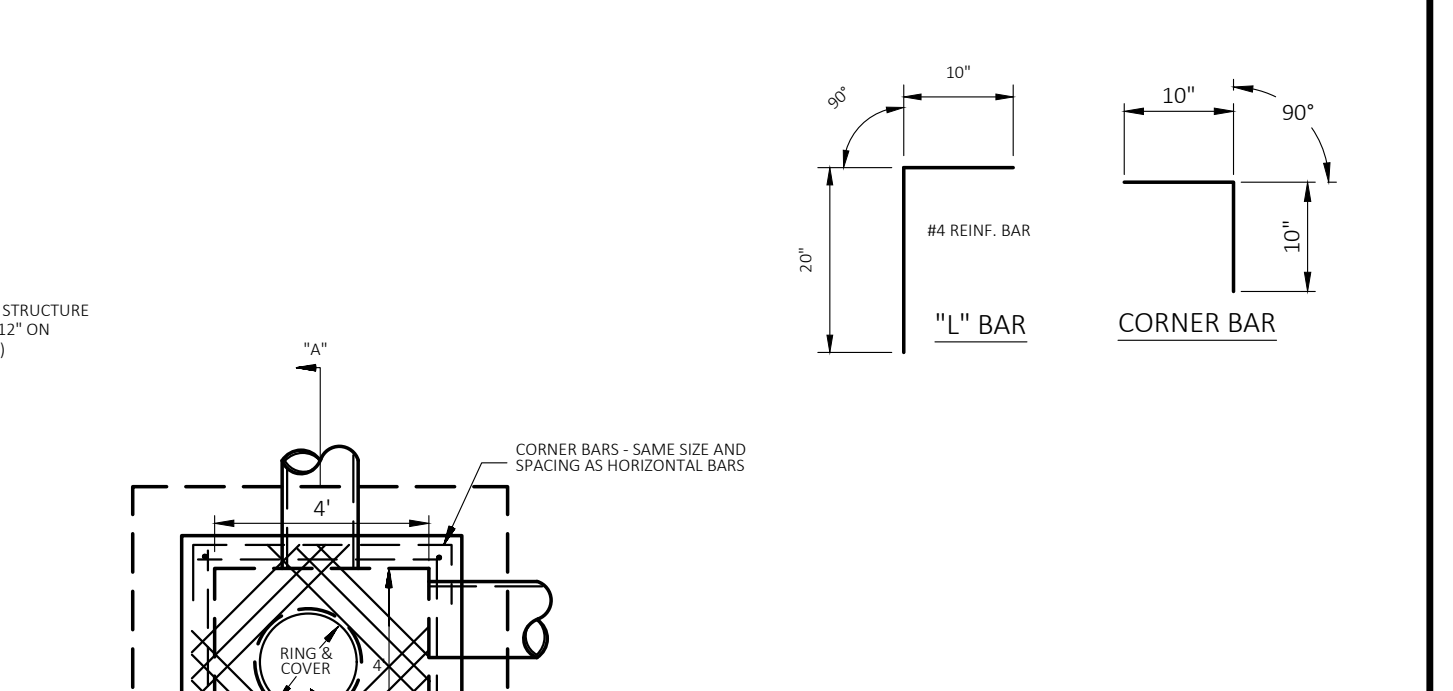
SANITARY SEWER AND WATER LINE TRENCH AND BEDDING



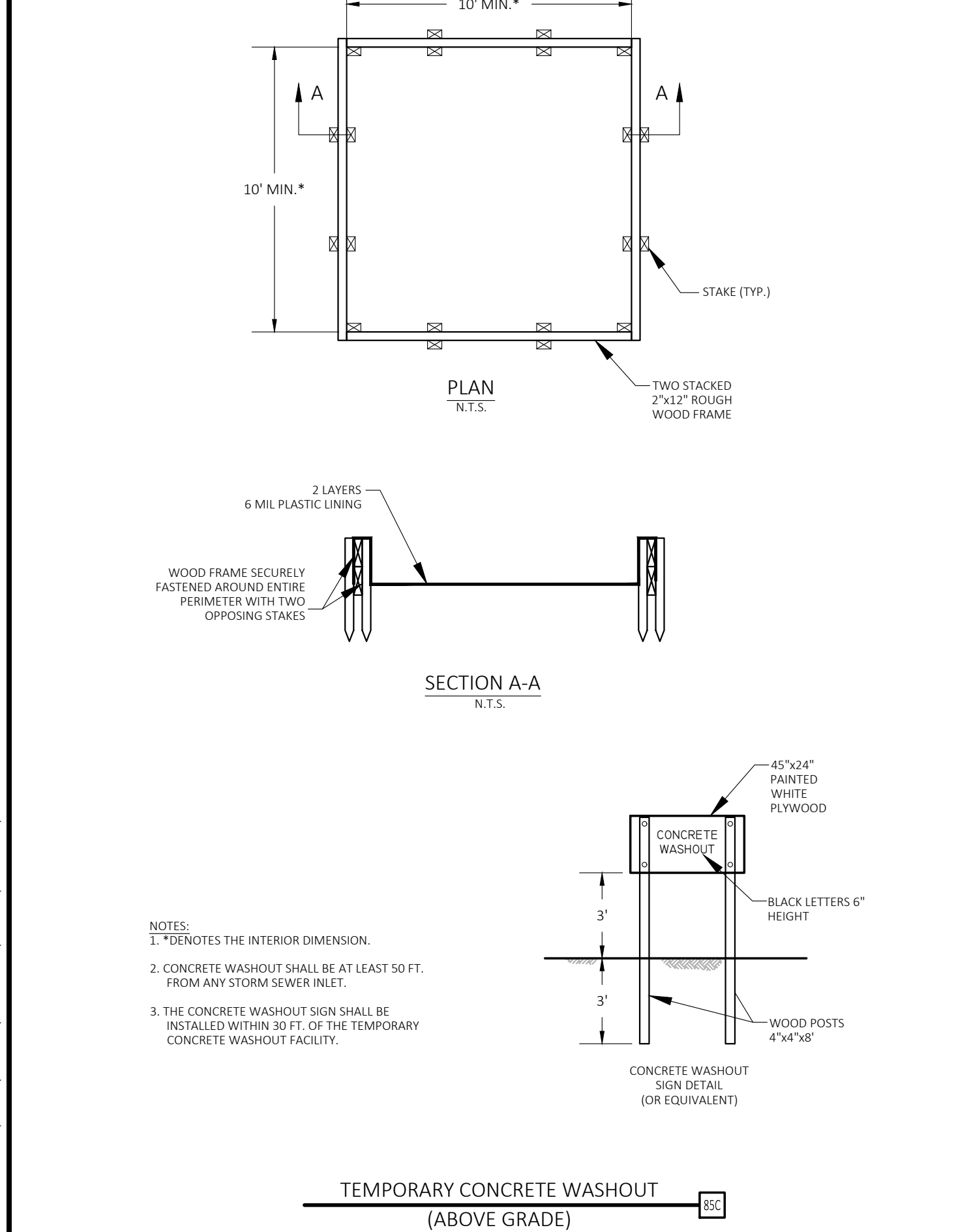
STORM SEWER TRENCH AND BEDDING



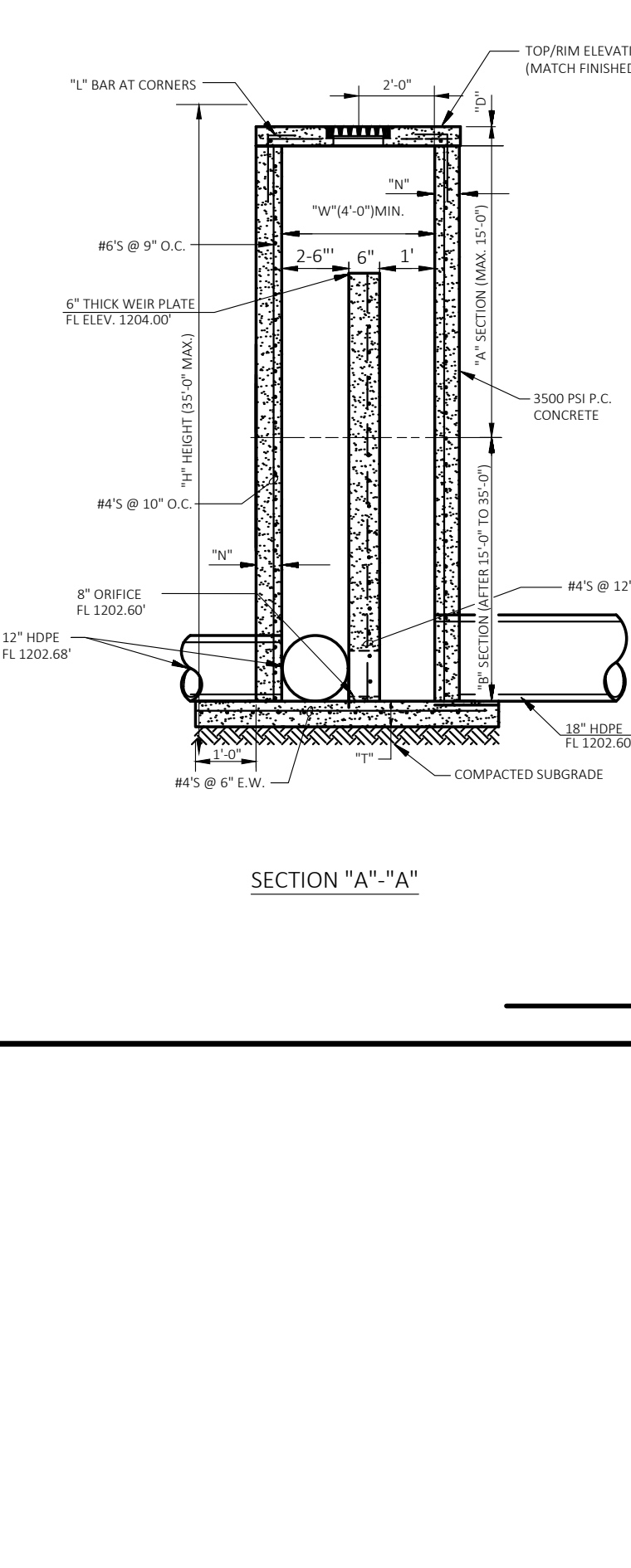
STORM SEWER TRENCH AND BEDDING



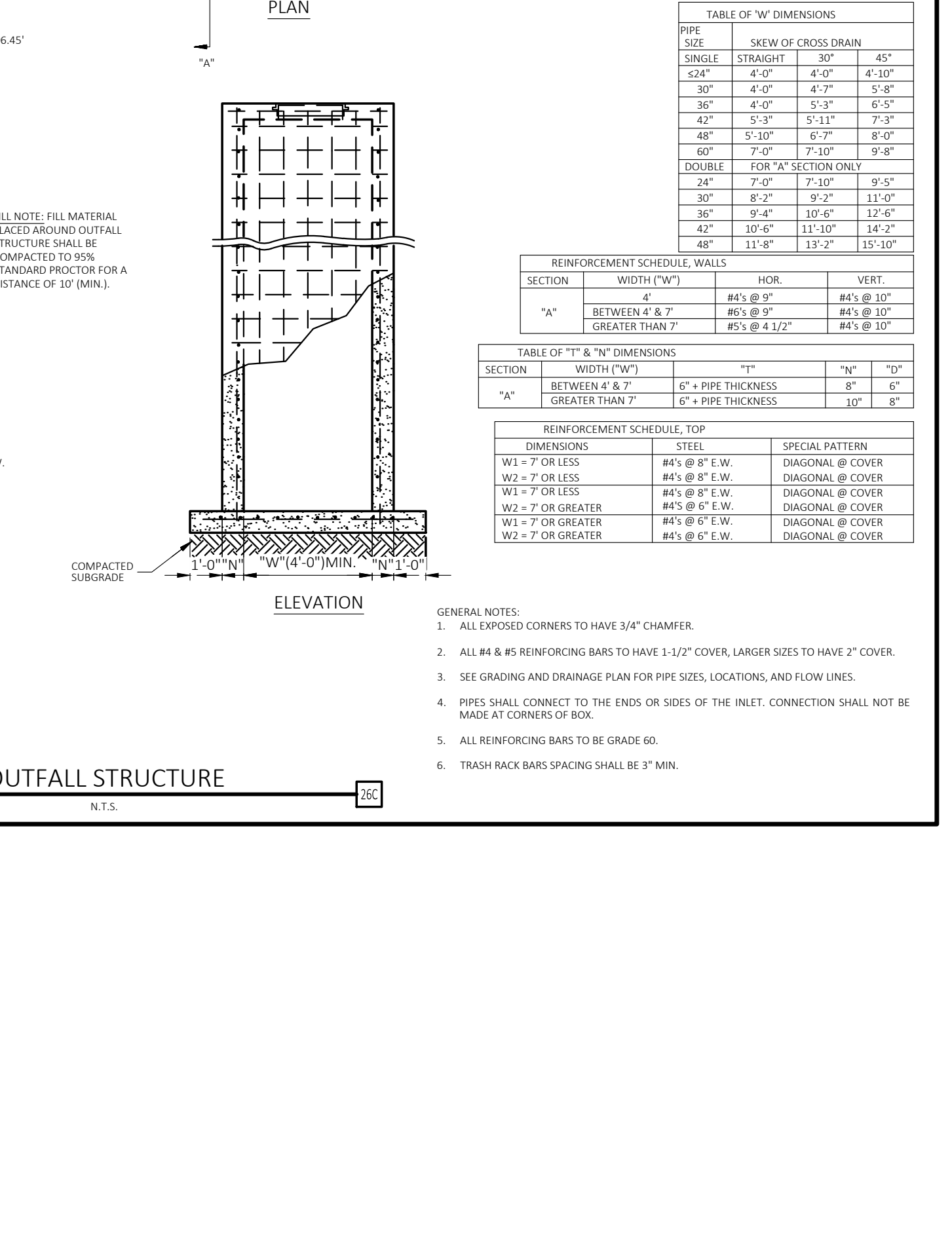
TEMPORARY CONCRETE WASHOUT



OUTFALL STRUCTURE



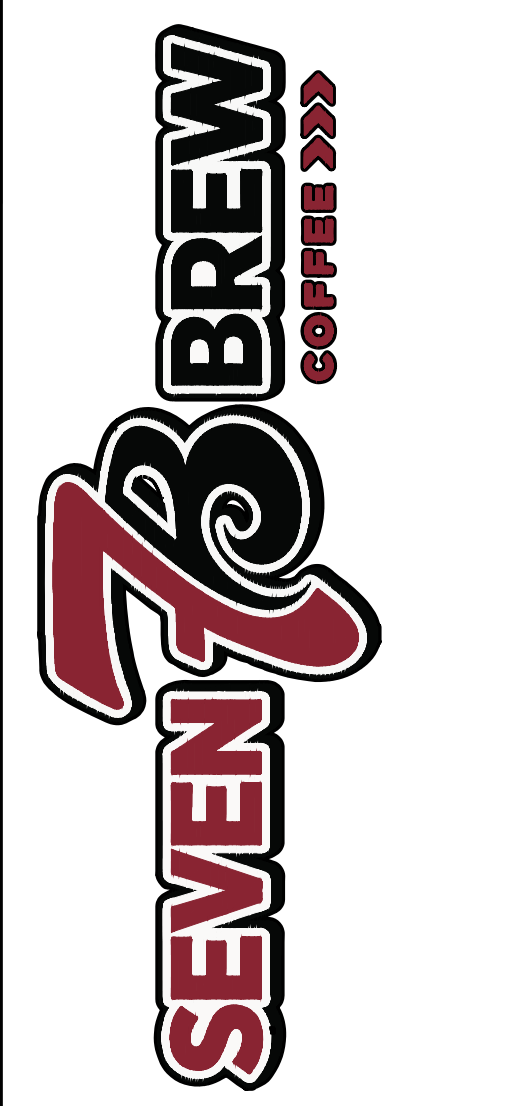
JUNCTION BOX



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FAX: (479) 273-0844

REVISION

NO.	DESCRIPTION	DATE



SEVEN BREW
7 WEST MAIN STREET
FARMINGTON, ARKANSAS



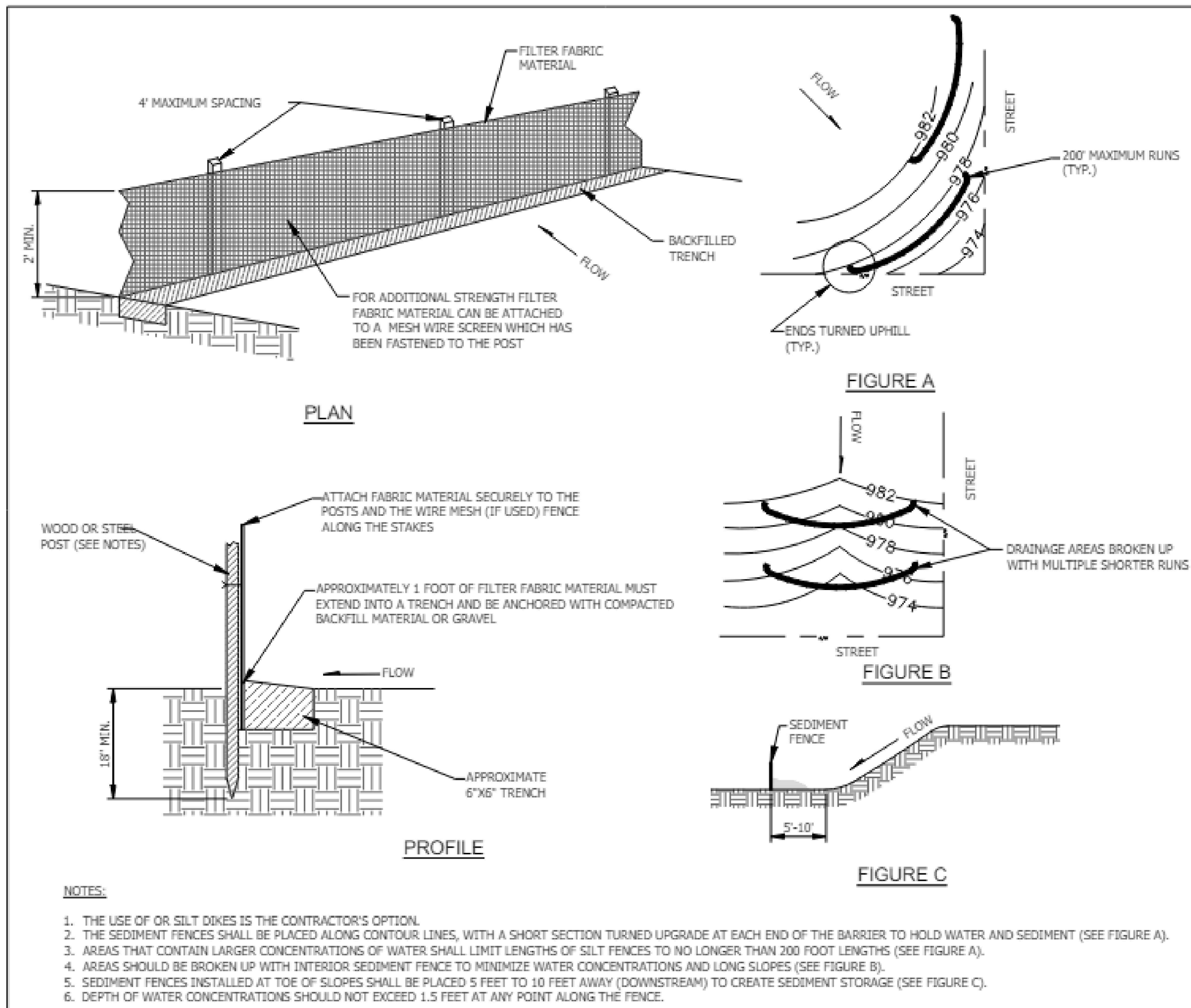
PROFESSIONAL OF RECORD	KAP
PROJECT MANAGER	EVD
DESIGNER	BWB
CEI PROJECT NUMBER	34338
DATE	2/10/2025
REVISION	REV-1

DETAIL SHEET II
SHEET TITLE
SHEET NUMBER
C8.1

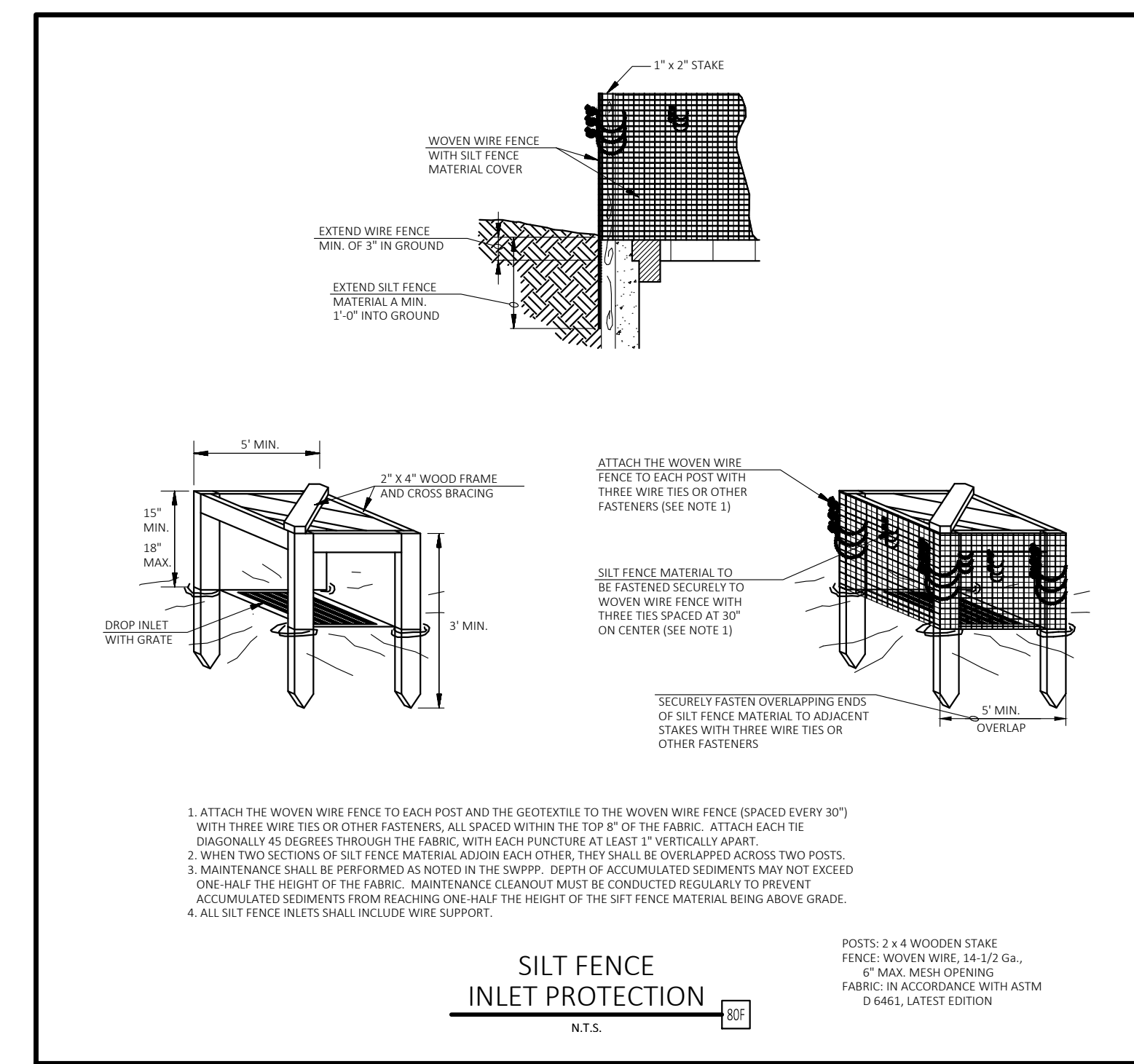
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BEST MANAGEMENT PRACTICES (BMPs)
 POLLUTION THROUGH STORM RUNOFF IS INTENSIFIED AT CONSTRUCTION SITES DUE TO THE REMOVAL OF THE NATURAL GROUND COVER OF THE SITE, AS WELL AS THE INTRODUCTION OF HAZARDOUS CHEMICALS AND WASTES TO THE AREA. MEASURES ARE REQUIRED, BOTH DURING CONSTRUCTION AND AFTER THE COMPLETION OF CONSTRUCTION, TO STABILIZE THE SITE. STABILIZATION OF THE SITE DURING CONSTRUCTION ACTIVITIES CONSISTS OF THE INSTALLATION OF TEMPORARY OR PERMANENT MEASURES TO PREVENT EROSION, OR TO INTERCEPT SEDIMENT PRIOR TO IT LEAVING THE SITE. THIS CAN BE ACCOMPLISHED THROUGH THE USE OF GROUND COVER MULCHING, PAVING, SILT FENCES, AND SEDIMENT BASINS, ALONG WITH CONSTRUCTION METHODS, TO REDUCE THE DISTURBED AREAS OF CONSTRUCTION.

ALL WORK CONSISTS OF FURNISHING, INSTALLING, MAINTAINING, AND, WHEN REQUIRED, REMOVING EROSION CONTROL DEVICES.



E SILT FENCE E



SILT FENCE INLET PROTECTION E

SWP-CI "Big Red"

Curb Inlet Protector
 By ASP Enterprises and Storm Water Products
 Temporary and Reusable Solutions for Sediment Control

- Reusable Curb Inlet Protection
- Environmentally Friendly
- Drops out sediment by dissipating the water energy

"Big Red" Filter Advantages:

- Easy to install
- Versatile for a variety of curb inlets
- Reusable and Extremely easy to clean
- Made from 90% Inert Recycled Materials

The SWP-CI "Big Red" Filter is a REUSABLE inlet protector that keeps out sediment throughout the entire construction project. There are no pockets to fill, no valve bags, no assembly etc. Simply place in front of the inlet, make sure it lays in the contour, and you are DONE!

Simple installation also translates into simple removal, cleanup and reuse at the next project or phase. Maintenance is simple as well by lifting the unit from the inlet, shaking the mud off of it, removing the sediment on the concrete, and placing the unit back. If it is severely filled with sediment, wash it out in a vegetated area and it is as good as new.

All of these features and benefits combine to make the SWP-CI "Big Red" curb inlet protector the perfect choice for all curb inlet applications. It comes in 54" long for single curb inlets and 104" lengths for double curb inlets.

- High Flow Rate
- Made of Durable High-Strength Geotextile
- Fully Reusable
- Made of Recycled Materials

SWP-CI "Big Red"

Curb Inlet Protector
 By ASP Enterprises and Storm Water Products
 Temporary and Reusable Solutions for Sediment Control

Specifications:

- Infill Material: shredded recycled rubber tires
- Weight: approx. 10 lbs per linear foot
- Diameter: approx. 8"

Geotextile fabric made of durable high flow fabric with the following properties:

Property	Test Method	Units	Typical Value
Depth (Weight)	ASTM D5261	oz/sq yd	5.3
Grab Tensile Strength	ASTM D4682	lb warp	250
		lb fill	290
Tear Strength (Trapezoid)	ASTM D4533	lb warp	60
		lb fill	50
Distort	ASTM D3786	psi	440

(Efforts were made to determine flow rate-the fabric exceeded all capacities of the testing equipment)

ASP Enterprises and Storm Water Products assumes no liability for the accuracy or completeness of this information or for the suitability for the particular ASP and SWP Products use with a specific project, or delivery methods, or operation or installation, including without limitation any equipment necessary to install, maintain or remove for a particular project or writing from a source of design or scope of work with any equipment, material or information described herein. This document should not be construed as engineering advice.



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 2600 NE 11TH ST, SUITE 300
 BENTONVILLE, AR 72712
 PHONE: (479) 273-9472
 FAX: (479) 273-0844

REVISION		
NO.	DESCRIPTION	DATE



SEVEN BREW
 7 WEST MAIN STREET
 FARMINGTON, ARKANSAS



PROFESSIONAL OF RECORD	KAP
PROJECT MANAGER	EVD
DESIGNER	BWB
CEI PROJECT NUMBER	34338
DATE	2/10/2025
REVISION	REV-1

DETAIL SHEET III
 SHEET TITLE
 SHEET NUMBER
C8.2

REVISION		
NO.	DESCRIPTION	DATE



PROFESSIONAL OF RECORD	KAP
PROJECT MANAGER	EVD
DESIGNER	BWB
CEI PROJECT NUMBER	34338
DATE	2/10/2025
REVISION	REV-1

ACCEPTABLE FILL MATERIALS: STORMTECH SC-310 CHAMBER SYSTEMS

MATERIAL LOCATION	DESCRIPTION	ASHOTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	FINAL FILL MATERIAL FOR LAYER 1 STARTS FROM THE TOP OF THE LAYER 1 TO THE BOTTOM OF LAYER 2 UNLESS OTHERWISE SPECIFIED. NOTE THAT PAVEMENT SUBGRADE MAY BE PART OF THE LAYER.	ANY ROLLING STOCK MATERIAL, NATIVE SOILS OR PER ENGINEER'S JUDGMENT. CHECK PLANS FOR PAVEMENT SUBGRADE REQUIREMENTS.	PERFORM PER SITE DESIGN ENGINEER'S JUDGMENT. RECOMMENDATIONS FOR FILL MATERIALS AND PAVEMENT REQUIREMENTS.
C	INITIAL FILL MATERIAL FOR LAYER 2 STARTS FROM THE TOP OF THE FOUNDATION STONE TO THE BOTTOM OF LAYER 3 UNLESS OTHERWISE SPECIFIED. NOTE THAT PAVEMENT SUBGRADE MAY BE PART OF THE LAYER.	GRAVEL OR WASHED SAND/AGGREGATE MATERIALS - 3/4" PMS OR PROVED AGGREGATE.	ASHTO M30.1 A. 1. A. 2. A. 3. OR ASHTO M30.2 3. 367.4, 487.5, 61.5, 61.5, 61.5, 61.5, 61.5, 61.5, 61.5
B	FOUNDATION STONE FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE TO LAYER 3 UNLESS OTHERWISE SPECIFIED.	CLEAN, CRUSHED, ANGULAR STONE OR RECYCLED CONCRETE.	ASHTO M30.1 3. 367.4, 487.5, 61.5, 61.5
A	FOUNDATION STONE FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE BOTTOM OF THE CHAMBER.	CLEAN, CRUSHED, ANGULAR STONE OR RECYCLED CONCRETE.	ASHTO M30.2 3. 397.4, 487.5, 61.5, 61.5

NOTES:

- LISTED ASHTO DESIGNATIONS ARE FOR ORIGINATORS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR, AND FREE FROM FINE MATERIALS (4# AND 10# SIEVE).
- STANDARD COMPACTION REQUIREMENTS ARE SET FOR 4" LAYER THICKNESS AND COMPACTED IN 1" (100 MM) BRUSH FT. USING TWO FULL COVERS WITH A VIBRATORY COMPACTOR.
- WHERE VIBRATION SURFACES MAY BE COMPROMISED BY COMPACTOR FOR STANDARD DESIGN CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAMPING OR DRAGGING WITHOUT COMPACTOR EQUIPMENT. FOR SPECIAL LOADS, DESIGN CONTACT STRENGTH FOR CONSTRUCTION REQUIREMENTS.
- WHERE RECYCLED CONCRETE AGGREGATE IS USED IN LAYER 2 OR 3, THE MATERIAL SHOULD ALSO MEET THE ACCEPTABLE CRITERIA OUTLINED IN TECHNICAL NOTE 2.0 RECYCLED CONCRETE STRUCTURAL BACKFILL.

PROPOSED LAYOUT AND ELEVATIONS

NO.	DESCRIPTION	PROPOSED ELEVATION	PROPOSED ELEVATIONS	PART TYPE	NEW OR	INVERT	MAX FLOW
1	INSTALL SC-310 CHAMBER	100.00	100.00	SC-310	N	100.00	100.00
2	INSTALL STORMTECH SC-310 CHAMBER	100.00	100.00	SC-310	N	100.00	100.00
3	INSTALL STORMTECH SC-310 CHAMBER	100.00	100.00	SC-310	N	100.00	100.00
4	INSTALL STORMTECH SC-310 CHAMBER	100.00	100.00	SC-310	N	100.00	100.00
5	INSTALL STORMTECH SC-310 CHAMBER	100.00	100.00	SC-310	N	100.00	100.00
6	INSTALL STORMTECH SC-310 CHAMBER	100.00	100.00	SC-310	N	100.00	100.00
7	INSTALL STORMTECH SC-310 CHAMBER	100.00	100.00	SC-310	N	100.00	100.00
8	INSTALL STORMTECH SC-310 CHAMBER	100.00	100.00	SC-310	N	100.00	100.00
9	INSTALL STORMTECH SC-310 CHAMBER	100.00	100.00	SC-310	N	100.00	100.00
10	INSTALL STORMTECH SC-310 CHAMBER	100.00	100.00	SC-310	N	100.00	100.00
11	INSTALL STORMTECH SC-310 CHAMBER	100.00	100.00	SC-310	N	100.00	100.00
12	INSTALL STORMTECH SC-310 CHAMBER	100.00	100.00	SC-310	N	100.00	100.00

NYLOPLAST DRAIN BASIN WITH SOLID COVER

NOTES:

- 1" - 30" SOLID COVERS SHALL BE DUCTILE IRON PER ASTM A88 GRADE 30405.
- 12" - 30" FRAMES SHALL BE DUCTILE IRON PER ASTM A88 GRADE 30405.
- IF 12" SOLID COVERS FIT DIRECTLY INTO DRAIN BASINS WITH THE USE OF A PVC BODY TOP - SEE DRAWING NO. 700-110-045.
- DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS. RISERS ARE NEEDED FOR BASINS OVER 8" DUE TO SHIPPING RESTRICTIONS. SEE DRAWING NO. 700-110-045.
- DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D1557 FOR CORRUGATED HOPE AND 1" HANCOCK DUAL WALL.
- ADAPTERS CAN BE QUOTED ON ANY ANGLE UP TO 90°. TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS SEE DRAWING NO. 700-110-042.
- IF 12" SOLID COVERS ARE RATED FOR LIGHT DUTY APPLICATIONS ONLY, NO CONCRETE COLLAR NEEDED FOR LIGHT DUTY RATING.

SC-310 TECHNICAL SPECIFICATION

UNDERDRAIN DETAIL

SC-310 TECHNICAL SPECIFICATION

NORMAL CHAMBER SPECIFICATIONS

SIZE BY X H X W (ACTUAL LENGTH)

MINIMUM INSTALLED STORAGE HEIGHT

PART #	STUB	B	C
SC310S10P1C	6" (150 mm)	3.6" (91 mm)	3.6" (91 mm)
SC310S10P2C	8" (200 mm)	3.6" (91 mm)	3.6" (91 mm)
SC310S10P3C	10" (250 mm)	3.6" (91 mm)	3.6" (91 mm)
SC310S10P4C	12" (300 mm)	3.6" (91 mm)	3.6" (91 mm)

PROJECT INFORMATION

ENGINEERED PRODUCT: STORMTECH SC-310 CHAMBER SYSTEMS
MANUFACTURED BY: STORMTECH LLC
DESIGNED BY: CEI ENGINEERING ASSOCIATES, INC.
PROJECT NO: 34338

REV 7 MAIN STREET FARMINGTON, AR, USA

SC-310 STORMTECH CHAMBER SPECIFICATIONS

- CHAMBERS SHALL BE ARCH-SHAPED AND SHALL BE MANUFACTURED FROM VIRGIN IMPACT MODIFIED POLYPROPYLENE OR POLYETHYLENE COPOLYMERS.
- CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2022 (POLYETHYLENE) OR ASTM F2023 (POLYPROPYLENE) STANDARD SPECIFICATION FOR CORRUGATED WALL STORMWATER COLLECTION CHAMBERS.
- CHAMBERS SHALL PROVIDE CONTINUOUS UNOBSTRUCTED INTERNAL SPACE WITH NO INTERNAL SUPPORTS THAT WOULD IMPACT FLOW OR LIMIT ACCESS FOR INSPECTION.
- THE STRUCTURAL DESIGN OF THE CHAMBERS, THE STRUCTURAL BACKFILL, AND THE INSTALLATION REQUIREMENTS SHALL ENSURE THAT THE LOAD FACTORS SPECIFIED IN THE MANUAL INTO BEING DESIGN SECTION 10.0. SECTION 12 IS THE NET FOR 1) LOAD DURATION DEAD LOADS AND 2) SHORT DURATION LIVE LOADS, BASED ON THE ASHTO DESIGN TRUCK WITH CONSIDERATION FOR IMPACT AND WIND LIFT RESISTANCE REQUIREMENTS.
- CHAMBERS SHALL BE DESIGNED, TESTED AND ALLOWABLE LOAD CONFIGURATIONS DETERMINED IN ACCORDANCE WITH ASTM F2022. "STANDARD PRACTICES FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS". LOAD CONFIGURATIONS SHALL INCLUDE: 1) INSTANTANEOUS (1) MIN. ASHTO DESIGN TRUCK (1) LOAD ON MINIMUM COVER (2) MAXIMUM PERMANENT (2) PERIODIC LOADS AND 2) ALLOWABLE COVER WITH FINISHED SURFACE, ASHTO DESIGN TRUCK.
- REQUIREMENTS FOR HANDLING AND INSTALLATION:
 - TO MAINTAIN THE INTEGRITY OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTERNAL WITH-OR-DOWN STACKING LUGS.
 - TO ENSURE PROPER JOINT DURING INSTALLATION, BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 2".
 - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, THE ARCH STIFFNESS CONSTANT SHALL BE GREATER THAN OR EQUAL TO THAT OF THE ARCH SHAPE DURING INSTALLATION. THE ARCH STIFFNESS CONSTANT SHALL BE GREATER THAN OR EQUAL TO THAT OF THE ARCH SHAPE DURING INSTALLATION. THE ARCH STIFFNESS CONSTANT SHALL BE GREATER THAN OR EQUAL TO THAT OF THE ARCH SHAPE DURING INSTALLATION.
- ONLY CHAMBERS THAT ARE APPROVED BY THE SITE DESIGN ENGINEER WILL BE ALLOWED. UNDER REQUEST BY THE SITE DESIGN ENGINEER OR OWNER, THE CHAMBER MANUFACTURER SHALL SUBMIT A STRUCTURAL EVALUATION FOR APPROVAL, BEFORE DELIVERING CHAMBERS TO THE PROJECT SITE. ALL CHAMBERS SHALL BE APPROVED BY THE SITE DESIGN ENGINEER. THE STRUCTURAL EVALUATION SHALL DEMONSTRATE THAT THE SAFETY FACTORS ARE GREATER THAN OR EQUAL TO 1.5 FOR DEAD LOADS AND 2.0 FOR LIVE LOADS. THE MANUAL IS REQUIRED BY ASTM F2022 AND 12 OF THE MANUAL. THE MANUAL IS REQUIRED BY ASTM F2022 AND 12 OF THE MANUAL. THE MANUAL IS REQUIRED BY ASTM F2022 AND 12 OF THE MANUAL.
- CHAMBERS AND END CAPS SHALL BE PROVIDED BY AN ISO 9001 CERTIFIED MANUFACTURING FACILITY.
- MANHOLE SIZE IS TO BE DETERMINED BY SITE DESIGN ENGINEER. SEE TECHNICAL SPECIFICATION SECTION 10.0. ADDITIONAL PIPES TO STANDARD MANHOLE COMPONENTS IN THE FIELD.
- ADS DOES NOT DESIGN OR PROVIDE MECHANICAL LINE SYSTEMS. TO MINIMIZE THE LIKELIHOOD OF USER SYSTEMS, THE MECHANICAL LINE SYSTEM SHOULD BE DESIGNED BY A LICENSED MECHANICAL PROFESSIONAL AND INSTALLED BY A QUALIFIED CONTRACTOR.

SC-310 ISOLATOR ROW PLUS DETAIL

INSPECTION / MAINTENANCE

- INSPECT ISOLATOR ROW PLUS FOR DEFECTS:
 - INSPECTION PORTS (IF PRESENT)
 - REMOVAL OF ALL DEBRIS AND UNDESIRABLE MATERIALS
 - USING A FLASHLIGHT AND STRONG LIGHT, MEASURE DEPTH OF SEGMENT AND RECORD ON MAINTENANCE LOG
 - LOWER A CAMERA INTO ISOLATOR ROW PLUS FOR VISUAL INSPECTION OF SEGMENT (LIDAR OPTIMAL)
 - IF SEGMENT IS AT OR ABOVE 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
 - ALL INSPECTIONS SHALL BE RECORDED BY THE SITE DESIGN ENGINEER.
 - IF SEGMENT IS AT OR ABOVE 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
 - IF SEGMENT IS AT OR ABOVE 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
 - IF SEGMENT IS AT OR ABOVE 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
- CLEAN OUT ISOLATOR ROW PLUS USING THE JETTING PROCESS:
 - IF JETTING IS NOT CLEARLY INDICATED BY THE MANUAL, SPRAY AT AN ANGLE OF 45° TO 90° OR MORE IN PREFERRED DIRECTION.
 - APPLY MULTIPLE PASSES OF JETTING UNTIL BACKFILL WATER IS CLEAN.
 - WASH DOWN ISOLATOR ROW PLUS AS REQUIRED.
- REPLACE ALL COVERS, GRATES, FILTERS, AND LIDS. RECORD OBSERVATIONS AND ACTIONS.
- INSPECT AND CLEAN BASINS AND MANHOLES UPSTREAM OF THE STORMTECH SYSTEM.

NOTES:

- INSPECT EVERY 6 MONTHS DURING THE FIRST YEAR OF OPERATION. ADJUST THE INSPECTION INTERVAL BASED ON PREVIOUS OBSERVATIONS OF SEDIMENT ACCUMULATION AND HIGH WATER ELEVATIONS.
- CONDUCT JETTING AND VACUUMING ANNUALLY OR WHEN INSPECTIONS SHOW THAT MAINTENANCE IS NECESSARY.

INSPECTION PORTS MAY BE CONNECTED THROUGH ANY CHAMBER CORRUGATION CREST.

