

DESIGN DOCUMENTS FOR CROSSVILLE BOAT & RV STORAGE

CROSSVILLE, CUMBERLAND COUNTY, TENNESSEE 38555

PERMIT SET: JULY 13, 2023

PROJECT NARRATIVE:

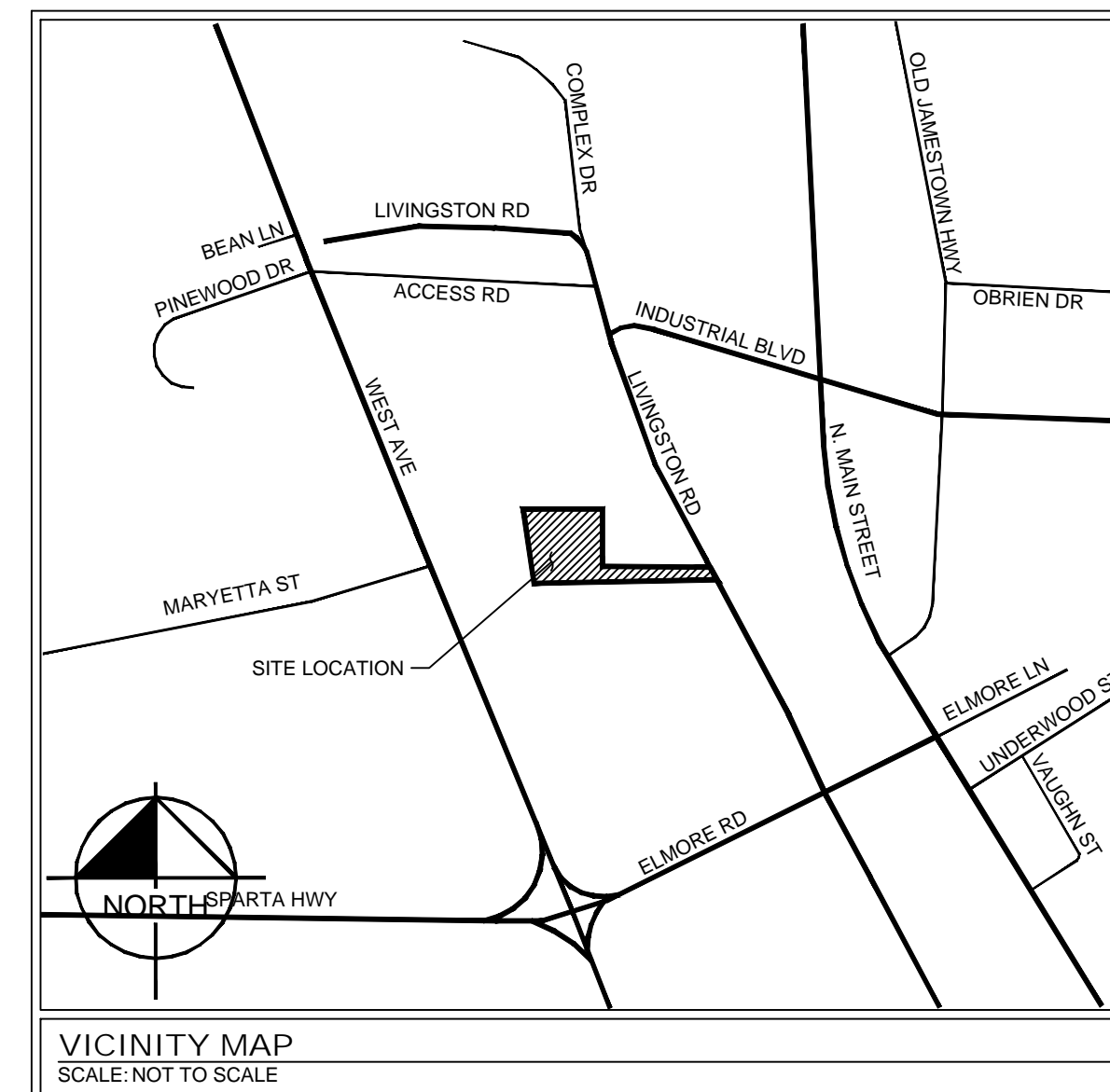
THE SCOPE OF THIS PROJECT IS TO CONSTRUCT AN RV, BOAT, AND SELF-STORAGE FACILITY LOCATED SOUTHWEST OF THE INTERSECTION OF INDUSTRIAL BOULEVARD AND LIVINGSTON ROAD IN CROSSVILLE, CUMBERLAND COUNTY, TENNESSEE. THE OVERALL SITE IS APPROXIMATELY 3.94+ ACRES IN SIZE. THE PROJECT WILL CONSIST OF THE CONSTRUCTION OF SELF-STORAGE STRUCTURES, PAVEMENT, AND THE ASSOCIATED UTILITY IMPROVEMENTS.

NOI:

THIS PROJECT WILL BE COVERED UNDER A NPDES CONSTRUCTION GENERAL PERMIT ISSUED BY THE TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION. A SWPPP AND NOI WILL BE SUBMITTED FOR APPROVAL.

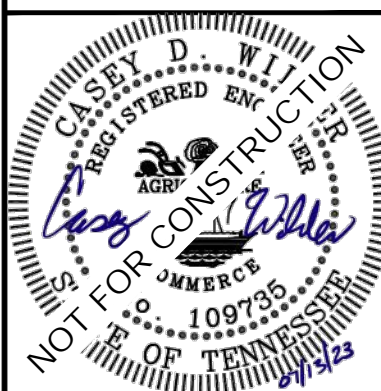
GENERAL NOTES:

- ATTENTION IS DRAWN TO THE FACT THAT THE SCALE OF THESE DRAWINGS MAY HAVE BEEN DISTORTED DURING THE REPRODUCTION PROCESS. THIS DOCUMENT, TOGETHER WITH THE CONCEPTS AND DESIGNS PRESENTED HEREIN, AS AN INSTRUMENT OF SERVICE, IS INTENDED ONLY FOR THE SPECIFIC PURPOSE AND CLIENT FOR WHICH IT WAS PREPARED. REUSE OF AND IMPROPER RELIANCE ON THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND ADAPTATION FROM KIMLEY-HORN AND ASSOCIATES, INC. SHALL BE WITHOUT LIABILITY TO KIMLEY-HORN AND ASSOCIATES, INC.
- IF ANY CONFLICTS, DISCREPANCIES, OR ANY OTHER UNSATISFACTORY CONDITIONS ARE DISCOVERED, EITHER ON THE CONSTRUCTION DOCUMENTS OR FIELD CONDITION, THE CONTRACTOR MUST NOTIFY THE ENGINEER IMMEDIATELY AND SHALL NOT COMMENCE FURTHER OPERATIONS UNTIL THE CONFLICTS, DISCREPANCIES, OR OTHER UNSATISFACTORY CONDITIONS ARE RESOLVED.
- THE APPROVAL OF THESE PLANS AND THE ISSUANCE OF THIS LAND DISTURBANCE PERMIT DOES NOT IN ANY WAY SUGGEST THAT ALL OTHER REQUIREMENTS FOR THE LEGAL OR APPROPRIATE OPERATIONS FOR THIS ACTIVITY, WHICH MAY REQUIRE ADDITIONAL PERMITTING, HAVE BEEN MET. THE ONUS IS ON THE OWNER/BUILDER/DEVELOPER TO DISCOVER WHAT ADDITIONAL PERMITTING OR APPROVALS MAY BE NECESSARY TO OPERATE FROM THIS POINT IN AN APPROPRIATE AND LEGAL MANNER. PLAN APPROVAL OR PERMIT ISSUANCE DOES NOT ABSOLVE THE APPLICANT FROM COMPLYING WITH ALL APPLICABLE LAWS, STANDARDS, OR OTHER PERMITS WHICH MAY BE REQUIRED FOR THIS PROJECT.



Sheet Number	Sheet Title
C0-00	COVER SHEET
C0-01	GENERAL CONSTRUCTION NOTES
C0-02	ALTA-NSPS LAND TITLE SURVEY (BY OTHERS)
C1-00	DEMOLITION PLAN
C2-00	SITE LAYOUT PLAN
C3-00	GRADING AND DRAINAGE PLAN
C3-10	PRE-DEVELOPMENT CONDITIONS
C3-20	POST-DEVELOPMENT CONDITIONS
C4-00	EPSC PHASE 1
C4-10	EPSC PHASE 2
C4-20	EPSC DETAILS
C5-00	CONSTRUCTION DETAILS
C5-01	CONSTRUCTION DETAILS

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KHA PROJECT	DATE	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY
013188007	07/13/2023	AS SHOWN	SFA	SFA	CDW

COVER SHEET

CROSSVILLE BOAT & RV STORAGE
PREPARED FOR
MADISON CAPITAL GROUP, LLC
CROSSVILLE TENNESSEE

SHEET NUMBER
C0-00

PROJECT TEAM

DEVELOPER MADISON CAPITAL GROUP, LLC 4017 HILLSBORO PIKE, SUITE 406 NASHVILLE, TN 37215 PHONE: (859) 229-9670 CONTACT: EVAN STEPHENS	CIVIL ENGINEER KIMLEY-HORN AND ASSOCIATES, INC. 6750 POPLAR AVENUE SUITE 600 MEMPHIS, TN 38138 PHONE: (901) 245-3773 CONTACT: FIELDING ABLES, EI ENGINEER OF RECORD: CASEY WILDER, PE	SURVEYOR YOUNG - HOBBS AND ASSOCIATES 1202 CROSSLAND AVENUE CLARKSVILLE, TN 37040 PHONE: (931) 645-2524 CONTACT: CLINT HEAD, PE, PLS	GEOTECHNICAL ENGINEER TERRACON CONSULTANTS, INC. 51 LOST MOUND DRIVE, SUITE 135 CHATTANOOGA, TN 37406 PHONE: (615) 796-4138 CONTACT: CAMILLE SMITH
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PERMITTING / UTILITY CONTACTS

PLANNING PLANNING DEPARTMENT CITY OF CROSSVILLE 392 NORTH MAIN STREET CROSSVILLE, TN 38555 PHONE: (931) 484-5113 CONTACT: KEVIN DEAN	STORMWATER/ENGINEERING ENGINEERING DEPARTMENT CITY OF CROSSVILLE 392 NORTH MAIN STREET CROSSVILLE, TN 38555 PHONE: (931) 456-6947 CONTACT: HEATH BLAYLOCK	CODES/BUILDING CODES DEPARTMENT CITY OF CROSSVILLE 392 NORTH MAIN STREET CROSSVILLE, TN 38555 PHONE: (931) 456-1830 CONTACT: DANNY THURMAN
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**Know what's below.
Call before you dig.**

NOT FOR CONSTRUCTION

KH GENERAL NOTES

- OVERALL:
1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THESE PLANS, CITY (OR TOWN) STANDARD DETAILS AND SPECIFICATIONS...
2. THE CONTRACTOR SHALL COMPLY WITH CITY (OR TOWN) GENERAL NOTES FOR CONSTRUCTION...
3. THE CONTRACTOR SHALL FURNISH ALL MATERIAL AND LABOR TO CONSTRUCT THE FACILITY AS SHOWN AND DESCRIBED IN THE CONSTRUCTION DOCUMENTS...
4. THE CONTRACTOR SHALL VERIFY THE EXISTING TOPOGRAPHIC SURVEY...
5. THE CONTRACTOR SHALL VERIFY THE EXISTING TOPOGRAPHIC SURVEY AS SHOWN ON THE PLANS...
6. THE CONTRACTOR SHALL PROVIDE ALL CONSTRUCTION SURVEYING AND STAKING...
7. THE CONTRACTOR DOES NOT ACCEPT THE EXISTING TOPOGRAPHIC SURVEY AS SHOWN ON THE PLANS...
8. THE CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL CONTROL...
9. THE CONTRACTOR SHALL REVIEW AND VERIFY ALL DIMENSIONS, ELEVATIONS, AND FIELD CONDITIONS...
10. THE CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL CONTROL...
11. THE CONTRACTOR SHALL VERIFY THE EXISTING TOPOGRAPHIC SURVEY...
12. THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES WHICH MAY HAVE BURIED OR AERIAL UTILITIES WITHIN OR NEAR THE CONSTRUCTION AREA BEFORE COMMENCING WORK...
13. THE CONTRACTOR SHALL CALL TENNESSEE 811 AN ADEQUATE AMOUNT OF TIME PRIOR TO COMMENCING CONSTRUCTION...
14. THE CONTRACTOR SHALL USE EXTREME CAUTION AS THE SITE CONTAINS VARIOUS KNOWN AND UNKNOWN PUBLIC AND PRIVATE UTILITIES...
15. THE CONTRACTOR SHALL VERIFY THE DEPTHS AND DIMENSIONS OF EXISTING UTILITIES...
16. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING ANY ADJUSTMENTS AND RELOCATIONS OF EXISTING UTILITIES...
17. THE CONTRACTOR SHALL ARRANGE FOR OR PROVIDE, AT ITS EXPENSE, ALL GAS, TELECOMMUNICATIONS, CABLE, OVERHEAD AND UNDERGROUND POWER LINE, AND UTILITY POLE ADJUSTMENTS NEEDED...
18. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING INSTALLATION OF FRANCHISE UTILITIES THAT ARE NECESSARY FOR ON-SITE AND OFF-SITE CONSTRUCTION AND SERVICE TO THE PROPOSED DEVELOPMENT...
19. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ALL DAMAGES DUE TO THE CONTRACTORS FAILURE TO EXACTLY LOCATE AND PRESERVE ALL UTILITIES...
20. BRACING OF UTILITY POLES MAY BE REQUIRED BY THE UTILITY COMPANIES WHEN TRENCHING OR EXCAVATING IN CLOSE PROXIMITY TO EXISTING UTILITIES...
21. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID CONTACT WITH OVERHEAD AND UNDERGROUND POWER CONDUITS...
22. THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN ALL REQUIRED CONSTRUCTION PERMITS, APPROVALS, AND BONDS PRIOR TO CONSTRUCTION...
23. THE CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE AT ALL TIMES A COPY OF THE CONTRACT DOCUMENTS INCLUDING PLANS, GEOTECHNICAL REPORT AND APPENDA, PROJECT AND CITY SPECIFICATIONS, AND SPECIAL CONDITIONS...
24. ALL SHOP DRAWINGS AND OTHER DOCUMENTS ENGINEER REVIEWED SHALL BE SUBMITTED BY THE CONTRACTOR SUFFICIENTLY IN ADVANCE OF CONSTRUCTION...
25. ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES, JURISDICTIONAL AGENCIES, AND/OR UTILITY SERVICE COMPANIES SHALL BE PERFORMED...
26. THE CONTRACTOR SHALL ARRANGE FOR REQUIRED CITY INSPECTIONS...
27. THE CONTRACTOR'S BID PRICE SHALL INCLUDE ALL INSPECTION FEES...
28. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES, METERS, VALVES, INLETS, ETC... ARE FOR PRESENTATION PURPOSES ONLY AND ARE NOT TO SCALE...
29. THE SCOPE OF WORK IN THE CIVIL APPROVEMENTS SHOWN ON THESE PLANS TERMINATES 5- FEET FROM THE BUILDING...
30. REFER TO ARCHITECTURAL AND STRUCTURAL PLANS FOR ALL FINAL BUILDING DIMENSIONS...
31. THE PROPOSED BUILDING FOOTPRINT(S) SHOWN IN THESE PLANS WAS PROVIDED TO KIMLEY HORN AND ASSOCIATES, INC. (KH) BY THE ARCHITECT...
32. ALL CONSTRUCTION SHALL COMPLY WITH THE PROJECT'S FINAL GEOTECHNICAL REPORT (OR LATEST EDITION), INCLUDING SUBSEQUENT APPENDA...
33. THE CONTRACTOR IS RESPONSIBLE FOR ALL MATERIALS TESTING AND CERTIFICATION...
34. THE CONTRACTOR SHALL BE COORDINATED WITH THE APPROPRIATE CITY INSPECTOR AND COMPLY WITH CITY STANDARD SPECIFICATIONS AND GEOTECHNICAL REPORT...
35. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO SHOW, BY THE STANDARD TESTING PROCEDURES OF THE MATERIALS, THAT THE WORK CONSTRUCTED MEETS THE PROJECT REQUIREMENTS AND CITY SPECIFICATIONS...
36. DUE TO THE POTENTIAL FOR DIFFERENTIAL SOIL MOVEMENT ADJACENT TO THE BUILDING, THE CONTRACTOR SHALL ADHERE TO GEOTECHNICAL REPORT'S RECOMMENDATION FOR SUBGRADE PREPARATION SPECIFIC TO FLATWORK ADJACENT TO THE PROPOSED BUILDING...
37. ALL CONTRACTORS MUST CONFINE THEIR ACTIVITIES TO THE WORK AREA... NO ENCROACHMENTS OUTSIDE OF THE WORK AREA WILL BE ALLOWED...
38. THE CONTRACTOR SHALL IMMEDIATELY REPAIR OR REPLACE ANY PHYSICAL DAMAGE TO PRIVATE PROPERTY OR PUBLIC ENCROACHMENTS...
39. THE CONTRACTOR SHALL IMMEDIATELY REPAIR OR REPLACE ANY PHYSICAL DAMAGE TO PRIVATE PROPERTY OR PUBLIC ENCROACHMENTS...
40. ALL AREAS IN EXISTING RIGHT-OF-WAY DISTURBED BY SITE CONSTRUCTION SHALL BE REPAIRED TO ORIGINAL CONDITION OR BETTER...
41. THE CONTRACTOR SHALL SALVAGE ALL EXISTING POWER POLES, SIGNS, WATER VALVES, FIRE HYDRANTS, METERS, ETC... THAT ARE TO BE RELOCATED DURING CONSTRUCTION...
42. THE CONTRACTOR SHALL MAINTAIN ADEQUATE SITE DRAINAGE DURING ALL PHASES OF CONSTRUCTION...
43. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND SUBMITTING A TRENCH SAFETY PLAN, PREPARED BY A PROFESSIONAL ENGINEER...
44. THE CONTRACTOR SHALL KEEP TRENCHES FREE FROM WATER...
45. THESE PLANS DO NOT EXTEND TO OR INCLUDE DESIGNS OR SYSTEMS PERTAINING TO THE SAFETY OF THE CONTRACTOR OR ITS EMPLOYEES...
46. THESE PLANS DO NOT EXTEND TO OR INCLUDE DESIGNS OR SYSTEMS PERTAINING TO THE SAFETY OF THE CONTRACTOR OR ITS EMPLOYEES...
47. SIGNS RELATED TO SITE OPERATION OR SAFETY ARE NOT INCLUDED IN THESE PLANS...
48. THE CONTRACTOR OFFICE AND STAGING AREA SHALL BE AGREED ON BY THE OWNER AND CONTRACTOR PRIOR TO BEGINNING OF CONSTRUCTION...
49. LIGHT POLES, SIGNS, AND OTHER OBSTRUCTIONS SHALL NOT BE PLACED IN ACCESSIBLE ROUTES...
50. ALL SIGNS, PAVEMENT MARKINGS, AND OTHER TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE 'MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES'...
51. TOP RIM ELEVATIONS OF ALL EXISTING AND PROPOSED MANHOLES SHALL BE COORDINATED WITH TOP OF PAVEMENT OR FINISHED GRADE AND SHALL BE ADJUSTED TO BE FLUSH WITH THE ACTUAL FINISHED GRADE AT THE TIME OF PAVING...
52. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES, METERS, VALVES, INLETS, ETC... ARE FOR PRESENTATION PURPOSES ONLY AND ARE NOT TO SCALE...
53. THE CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION SEQUENCING AND PHASING...
54. THE CONTRACTOR IS RESPONSIBLE FOR PREPARATION, SUBMITTAL, AND APPROVAL BY THE CITY AND/OR DOT OF A TRAFFIC CONTROL PLAN PRIOR TO THE START OF CONSTRUCTION...
55. THE CONTRACTOR SHALL KEEP A NEAT AND ACCURATE RECORD OF CONSTRUCTION...
56. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AS-BUILT PLANS TO THE ENGINEER AND CITY IDENTIFYING ALL DEVIATIONS AND VARIATIONS FROM THESE PLANS MADE DURING CONSTRUCTION...

EROSION CONTROL:

- 1. THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL EROSION CONTROL AND WATER QUALITY REQUIREMENTS, LAWS, AND ORDINANCES THAT APPLY TO THE CONSTRUCTION SITE...
2. THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL EROSION CONTROL AND WATER QUALITY REQUIREMENTS...
3. EROSION CONTROL DEVICES SHOWN ON THE EROSION CONTROL PLAN FOR THE PROJECT SHALL BE INSTALLED PRIOR TO THE START OF LAND DISTURBANCE...
4. ALL EROSION CONTROL DEVICES ARE TO BE INSTALLED IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS FOR THE PROJECT...
5. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR INSTALLATION, IMPLEMENTATION, MAINTENANCE, AND EFFECTIVENESS OF ALL EROSION CONTROL DEVICES...
6. THE CONTRACTOR SHALL DOCUMENT THE DATES OF INSTALLATION, MAINTENANCE OR MODIFICATION, AND REMOVAL FOR EACH BMP EMPLOYED...
7. AS STORM SEWER INLETS ARE INSTALLED ON-SITE, TEMPORARY EROSION CONTROL DEVICES SHALL BE INSTALLED AT EACH INLET PER APPROVED DETAILS...
8. THE EROSION CONTROL DEVICES SHALL REMAIN IN PLACE UNTIL THE AREA IT PROTECTS HAS BEEN PERMANENTLY STABILIZED...
9. THE CONTRACTOR SHALL ENSURE THAT ALL PRIMARY OPERATORS SHALL NOT TO EXCEED A THIRTY DAY PERIOD...
10. THE CONTRACTOR SHALL OBSERVE THE EFFECTIVENESS OF THE EROSION CONTROL DEVICES AND MAKE FIELD ADJUSTMENTS AND MODIFICATIONS AS NEEDED TO PREVENT SEDIMENT FROM LEAVING THE SITE...
11. OFF-SITE SOIL BORROW, SPILL, AND STORAGE AREAS (IF APPLICABLE) ARE CONSIDERED AS PART OF THE PROJECT SITE AND MUST ALSO COMPLY WITH THE EROSION CONTROL REQUIREMENTS...
12. ALL STAGING, STOCKPILES, SPILL, AND STORAGE SHALL BE LOCATED SUCH THAT THEY WILL NOT ADVERSELY AFFECT STORM WATER SUBGRADE...
13. THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL DEVICES, BMPs, DISTURBED AREAS, AND VEHICLE ENTRY AND EXIT AREAS WEEKLY...
14. THE CONTRACTOR SHALL CONSTRUCT A STABILIZED CONSTRUCTION ENTRANCE AT ALL PRIMARY POINTS OF ACCESS...
15. SITE ENTRY AND EXITS SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT THE TRACKING AND FLOWING OF SEDIMENT AND DIRT...
16. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL SILT AND DEBRIS FROM THE AFFECTED OFF-SITE ROADWAYS...
17. WHEN WASHING OF VEHICLES IS REQUIRED TO REMOVE SEDIMENT PRIOR TO EXITING THE SITE...
18. THE CONTRACTOR SHALL INSTALL A TEMPORARY SEDIMENT BASIN FOR ANY ON-SITE DRAINAGE AREAS THAT ARE GREATER THAN 5 ACRES...
19. ALL FINES IMPOSED FOR SEDIMENT OR DIRT DISCHARGED FROM THE SITE SHALL BE PAID BY THE RESPONSIBLE CONTRACTOR...
20. WHEN SEDIMENT OR DIRT HAS CLOGGED THE CONSTRUCTION ENTRANCE...
21. THE MINIMUM LENGTH OF WASHED DOWN OR REPLACED RUNOFF FROM THE WASH-DOWN OPERATION SHALL NOT BE ALLOWED TO DRAIN DIRECTLY OFF SITE...
22. THE CONTRACTOR SHALL FOLLOW GOOD HOUSEKEEPING PRACTICES DURING CONSTRUCTION...
23. MATERIAL AND TRASH AS CONSTRUCTION PROGRESSES...
24. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID CONTACT WITH OVERHEAD AND UNDERGROUND POWER CONDUITS...
25. IT IS ACKNOWLEDGED THAT THE CONTRACTOR SHALL PREPARED THAT WILL DEPICT ALL POSSIBLE CONTROL MEASURES NECESSARY FOR VARIOUS STAGES OF CONSTRUCTION...
26. THE CONTRACTOR SHALL COMPLY WITH ALL TDEC STORM WATER POLLUTION PREVENTION REQUIREMENTS...
27. THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE GENERAL PERMIT TO DISCHARGE...
28. THE CONTRACTOR SHALL OBTAIN ANY REQUIRED GRADING PERMITS FROM THE CITY...
29. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID CONTACT WITH OVERHEAD AND UNDERGROUND POWER CONDUITS...
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GRADING:

- 1. THE CONTRACTOR AND GRADING SUBCONTRACTOR SHALL VERIFY THE SUITABILITY OF EXISTING AND PROPOSED SITE CONDITIONS INCLUDING GRADES AND DIMENSIONS BEFORE START OF CONSTRUCTION...
2. THE CONTRACTOR SHALL OBTAIN ANY REQUIRED GRADING PERMITS FROM THE CITY...
3. UNLESS OTHERWISE NOTED, PROPOSED CONTOURS AND SPOT ELEVATIONS SHOWN IN PAVED AREA REFLECT TOP OF PAVEMENT SURFACE...
4. PROPOSED SPOT ELEVATIONS AND CONTOURS OUTSIDE THE PAVEMENT AREA TO TOP OF FINISHED GRADE...
5. PROPOSED CONTOURS ARE APPROXIMATE, PROPOSED SPOT ELEVATIONS AND DESIGNATED GRADIENT ARE TO BE USED IN CASE OF DISCREPANCY...
6. ALL FINISHED GRADES SHALL TRANSITION UNIFORMLY BETWEEN THE FINISHED ELEVATIONS SHOWN...
7. CONTOURS AND SPOT GRADES SHOWN ARE ELEVATIONS OF TOP OF THE FINISHED SURFACE...
8. NO REPRESENTATIONS OF EARTHWORK QUANTITIES OR SITE BALANCE ARE MADE BY THESE PLANS...
9. THE CONTRACTOR SHALL PROVIDE THEIR OWN CONSTRUCTION DETAIL PROJECT TO THE CITY...
10. ALL GRADING AND EARTHWORK SHALL COMPLY WITH THE PROJECT'S FINAL GEOTECHNICAL REPORT...
11. ALL EXCAVATION IS UNCLASSIFIED AND SHALL INCLUDE ALL MATERIALS ENCOUNTERED...
12. BEFORE ANY EARTHWORK IS PERFORMED, THE CONTRACTOR SHALL STAKE OUT AND MARK THE LIMITS OF THE PROJECT'S PROPERTY LINE...
13. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID CONTACT WITH OVERHEAD AND UNDERGROUND POWER CONDUITS...
14. THE CONTRACTOR SHALL MAINTAIN ADEQUATE SITE DRAINAGE DURING ALL PHASES OF CONSTRUCTION...
15. THE CONTRACTOR SHALL CLEAR AND GRUB THE SITE AND PLACE, COMPACT, AND CONDITION FILL PER THE PROJECT GEOTECHNICAL ENGINEER'S SPECIFICATIONS...
16. THE CONTRACTOR IS RESPONSIBLE FOR ALL SOILS TESTING AND CERTIFICATION...
17. THE CONTRACTOR SHALL COORDINATE WITH THE APPROPRIATE CITY INSPECTOR...
18. THE CONTRACTOR SHALL COORDINATE WITH THE APPROPRIATE CITY INSPECTOR...
19. THE CONTRACTOR SHALL COORDINATE WITH THE APPROPRIATE CITY INSPECTOR...
20. THE CONTRACTOR SHALL COORDINATE WITH THE APPROPRIATE CITY INSPECTOR...
21. THE CONTRACTOR SHALL COORDINATE WITH THE APPROPRIATE CITY INSPECTOR...
22. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO SHOW, BY THE STANDARD TESTING PROCEDURES OF THE SOILS...
23. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID CONTACT WITH OVERHEAD AND UNDERGROUND POWER CONDUITS...
24. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID CONTACT WITH OVERHEAD AND UNDERGROUND POWER CONDUITS...
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27. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID CONTACT WITH OVERHEAD AND UNDERGROUND POWER CONDUITS...
28. EXISTING TREE LOCATIONS SHOWN ON THESE PLANS ARE APPROXIMATE...
29. THE CONTRACTOR SHALL FIELD VERIFY ALL PROTECTED TREE LOCATIONS...
30. TREE TRUNKS SHALL BE REMOVED UNLESS A TREE REMOVAL PERMIT HAS BEEN ISSUED...
31. TREE TRUNKS SHALL BE REMOVED OR DAMAGED WITHOUT PRIOR AUTHORIZATION...
32. AFTER PLACEMENT OF SUBGRADE AND PRIOR TO PAVING, CONTRACTOR SHALL TEST AND OBSERVE PAVEMENT AREAS FOR EVIDENCE OF PONDING AND INADEQUATE SLOPE FOR DRAINAGE...
33. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY OWNER AND ENGINEER IF ANY AREAS OF POOR DRAINAGE ARE DISCOVERED...

PAVING:

- 1. THE CONTRACTOR SHALL COMPLY WITH THE CITY AND/OR DOT STANDARD DETAILS AND SPECIFICATIONS...
2. ALL PRIVATE ON-SITE PAVING AND PAVING SUBGRADE SHALL COMPLY WITH THE PROJECT'S FINAL GEOTECHNICAL REPORT...
3. ALL FIELDRANE PAVING AND PAVING SUBGRADE SHALL COMPLY WITH CITY STANDARDS AND DETAILS...
4. THE CONTRACTOR IS RESPONSIBLE FOR ALL PAVING AND PAVING SUBGRADE TESTING AND CERTIFICATION...
5. TESTING SHALL BE PERFORMED BY AN APPROVED INDEPENDENT AGENCY...
6. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO SHOW, BY THE STANDARD TESTING PROCEDURES...
7. DUE TO THE POTENTIAL FOR DIFFERENTIAL SOIL MOVEMENT ADJACENT TO THE BUILDING...
8. THE CONTRACTOR SHALL CONSTRUCT PROPOSED PAVEMENT TO MATCH EXISTING PAVEMENT...
9. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL PAVEMENT MARKINGS...
10. ALL ACCESSIBLE RAMPS, CURB RAMPS, STRIPING, AND PAVEMENT MARKINGS SHALL CONFORM TO ADA STANDARDS...
11. ALL REINFORCING STEEL SHALL CONFORM TO THE GEOTECHNICAL REPORT...
12. THE CONTRACTOR SHALL CONSTRUCT PROPOSED PAVEMENT TO MATCH EXISTING PAVEMENT...
13. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL PAVEMENT MARKINGS...
14. ALL REINFORCING STEEL SHALL CONFORM TO THE GEOTECHNICAL REPORT...
15. ALL REINFORCING STEEL SHALL CONFORM TO THE GEOTECHNICAL REPORT...
16. THE CONTRACTOR SHALL CONSTRUCT PROPOSED PAVEMENT TO MATCH EXISTING PAVEMENT...
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19. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL PAVEMENT MARKINGS...
20. THE CONTRACTOR SHALL CONSTRUCT PROPOSED PAVEMENT TO MATCH EXISTING PAVEMENT...
21. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL PAVEMENT MARKINGS...
22. UNLESS THE PLANS SPECIFICALLY DICTATE TO THE CONTRARY...
23. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING NECESSARY CONDUIT FOR LIGHTING, IRRIGATION, ETC...
24. BEFORE PLACING PAVEMENT, CONTRACTOR SHALL VERIFY THAT SUITABLE ACCESSIBLE PEDESTRIAN ROUTES...
25. TO VERIFY THAT ADA/SLS SLOPE REQUIREMENTS ARE PROVIDED...
26. THE CONTRACTOR SHALL COMPLY WITH ALL TDEC STORM WATER POLLUTION PREVENTION REQUIREMENTS...
27. THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE GENERAL PERMIT TO DISCHARGE...
28. THE CONTRACTOR SHALL OBTAIN ANY REQUIRED GRADING PERMITS FROM THE CITY...
29. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID CONTACT WITH OVERHEAD AND UNDERGROUND POWER CONDUITS...
30. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID CONTACT WITH OVERHEAD AND UNDERGROUND POWER CONDUITS...
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60. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID CONTACT WITH OVERHEAD AND UNDERGROUND POWER CONDUITS...

STORM DRAINAGE:

- 1. ALL STORM SEWER MATERIALS AND CONSTRUCTION SHALL COMPLY WITH CITY STANDARD CONSTRUCTION DETAILS AND SPECIFICATIONS...
2. THE SITE UTILITY FIELD REPORT SHALL PROVIDE ALL MATERIALS AND APPURTENANCES NECESSARY FOR COMPLETE INSTALLATION OF THE STORM SEWER...
3. THE CONTRACTOR SHALL FIELD VERIFY THE SIZE, CONDITION, HORIZONTAL, AND VERTICAL LOCATIONS OF ALL EXISTING STORM SEWER LINES...
4. THE CONTRACTOR SHALL VERIFY AND COORDINATE ALL DIMENSIONS SHOWN...
5. FLOW LINE, TOP-OF-CURB, RIM, THROAT, AND GRADE ELEVATIONS OF PROPOSED INLETS SHALL BE VERIFIED...
6. ALL PUBLIC STORM SEWER LINES SHALL BE MINIMUM CLASS III RCP...
7. PRIVATE STORM SEWER LINES 18-INCHES AND GREATER SHALL BE CLASS III RCP...
8. THE CONTRACTOR SHALL VERIFY AND COORDINATE ALL DIMENSIONS SHOWN...
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15. THE CONTRACTOR SHALL VERIFY AND COORDINATE ALL DIMENSIONS SHOWN...
16. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND SUBMITTING A TRENCH SAFETY PLAN...
17. THE CONTRACTOR SHALL KEEP TRENCHES FREE FROM WATER...
18. ALL STRUCTURES, LIDS, GRATES, AND FRAMES SHALL BE HEAVY DUTY H-20 LOAD RATED...
19. THE CONTRACTOR SHALL VERIFY AND COORDINATE ALL DIMENSIONS SHOWN...
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ABBREVIATIONS AND DEFINITIONS:

Table with 2 columns: Abbreviation and Definition. Includes terms like ADA (Americans with Disabilities Act), BMP (Best Management Practice), BVC (Begin Vertical Curve Elevation), etc.

Project information: KHFA PROJECT 013188007, DATE 07/13/2023, SCALE AS SHOWN, DESIGNED BY SFA, DRAWN BY SFA, CHECKED BY CDW. Includes logos for Kimley-Horn and Associates, Inc. and Madison Capital Group, LLC.

Revision table with columns: No., Description, Date, By. Includes revision 1: GENERAL CONSTRUCTION NOTES.



NOT FOR CONSTRUCTION

Call what's below.

CROSSVILLE BOAT & RV STORAGE PREPARED FOR MADISON CAPITAL GROUP, LLC

CROSSVILLE

TENNESSEE

CROSSVILLE

SHEET NUMBER C0-01

33.CONTRACTOR FIELD ADJUSTMENT OF PROPOSED SPOT GRADES IS ALLOWED, IF THE APPROVAL OF THE CIVIL ENGINEER IS OBTAINED.

REINAINING WALLS: 1. RETAINING WALLS SHOWN ARE FOR THE SITE GRADING PURPOSES ONLY, AND INCLUDE ONLY LOCATION AND SURFACE SPOT ELEVATIONS AT THE TOP AND BOTTOM OF THE WALL.

PUBLIC SEWER: CONTRACTOR SHALL REVIEW BOTH MEP AND CIVIL PLANS TO CONFIRM WHERE THESE ARE REQUIRED. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND SUBMITTING A TRENCH SAFETY PLAN, PREPARED BY A PROFESSIONAL ENGINEER.

30. THE CONTRACTOR SHALL KEEP TRENCHES FREE FROM WATER. 31. ALL UTILITIES SHALL BE INSTALLED IN A TRENCH CONDITION IN ACCORDANCE WITH THE UTILITY PROVIDER TRENCHING DETAILS.

29. THE CONTRACTOR SHALL VERIFY AND COORDINATE ALL DIMENSIONS SHOWN, INCLUDING THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITY SERVICES ENTERING THE BUILDING.

28. THE CONTRACTOR SHALL VERIFY AND COORDINATE ALL DIMENSIONS SHOWN, INCLUDING THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITY SERVICES ENTERING THE BUILDING.

27. THE CONTRACTOR SHALL VERIFY AND COORDINATE ALL DIMENSIONS SHOWN, INCLUDING THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITY SERVICES ENTERING THE BUILDING.

26. THE CONTRACTOR SHALL VERIFY AND COORDINATE ALL DIMENSIONS SHOWN, INCLUDING THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITY SERVICES ENTERING THE BUILDING.

SURVEY NOTES:

INFORMATION REGARDING THE PRESENCE, SIZE AND LOCATION OF UNDERGROUND UTILITIES IS SHOWN HEREON. THIS INFORMATION HAS BEEN BASED ON THE LOCATION OF ABOVE GROUND APPURTENANCES, AVAILABLE DESIGN PLANS, AND FLAGS AND PAINT PLACED BY THE UNDERGROUND PROTECTION SERVICE. NO CERTIFICATION IS MADE AS TO THE ACCURACY OF THOROUGHNESS OF THE INFORMATION CONCERNING UNDERGROUND UTILITIES AND STRUCTURES SHOWN HEREON. (TN ONE CALL SYSTEM, INC. 1-800-351-111 OR 811 TICKET NUMBER 220891608).

NO PRIVATE UTILITY LOCATE WAS PERFORMED ON THIS SITE AT THE TIME OF THIS SURVEY.

CONTACT PROPER AUTHORITIES BEFORE BUILDING NEAR UTILITY LINES. FOR EASEMENT WIDTH AND RESTRICTIONS. UTILITIES ARE APPROXIMATE AND SHOULD BE VERIFIED PRIOR TO ANY CONSTRUCTION.

THIS SURVEY HAS BEEN PREPARED FOR THE EXCLUSIVE USE OF THE PERSON OR ENTITIES NAMED HEREON. NO EXPRESS OR IMPLIED WARRANTIES WITH RESPECT TO THE INFORMATION SHOWN HEREON IS TO BE EXTENDED TO ANY PERSONS OR ENTITIES OTHER THAN THOSE SHOWN HEREON.

ENCROACHMENTS: AS NOTED HEREON.

A TITLE REPORT HAS NOT YET BEEN PROVIDED TO THE SURVEYOR.

THE SURVEY SHOWN HEREON WAS MADE IN ACCORDANCE WITH CHAPTER 0820-3, STANDARDS OF PRACTICE AS ADOPTED BY THE TENNESSEE STATE BOARD OF EXAMINERS FOR LAND SURVEYORS.

I HEREBY CERTIFY THAT THIS SURVEY HAS BEEN MADE USING THE RECORDED INFORMATION SHOWN, AND THAT THIS SURVEY IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. I HEREBY CERTIFY THAT THIS IS A CATEGORY 1 SURVEY AND THAT THE RATIO OF PRECISION OF THE UNADJUSTED TRAVERSE IS BETTER THAN 1:10,000 AS SHOWN HEREON.

SITE NOTES:

ITEM 2: THE PROPERTY HAS NO PHYSICAL ADDRESS LISTED AT THE TIME OF THIS SURVEY PER THE ASSESSOR'S WEBSITE.

ITEM 3: THIS PROPERTY IS LOCATED WITHIN AN AREA HAVING ZONE DESIGNATIONS OF "X" BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY, ON FLOOD INSURANCE RATE MAP NO. 47035C0308D, WITH AN MAP REVISED DATE OF NOVEMBER 16, 2007, IN CITY OF CROSSVILLE, STATE OF TENNESSEE, WHICH IS THE CURRENT FLOOD INSURANCE RATE MAP FOR THE COMMUNITY IN WHICH SAID PROPERTY IS SITUATED.

ITEM 5: CONTOURS WERE DERIVED FROM RANDOM SHOTS AND CROSS SECTIONS AND ARE SHOWN AT ONE FOOT INTERVALS. ELEVATIONS SHOWN HEREON ARE BASED ON GPS OBSERVATIONS TOGETHER WITH AN OPUS SOLUTION, DATED 8/15/2022 (NAVDS8, GEOID18).

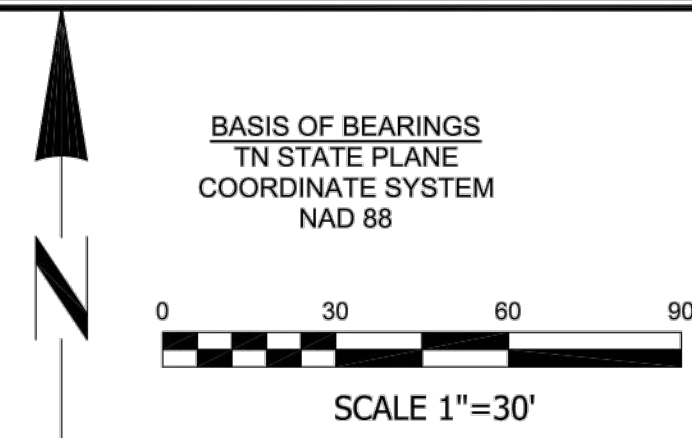
ITEM 6A: NO ZONING LETTER SENT TO THIS SURVEYOR.

ITEM 16: THERE WAS EVIDENCE OF RECENT EARTH MOVING, BUILDING CONSTRUCTION, OR BUILDING ADDITIONS OBSERVED IN THE PROCESS OF CONDUCTING THE FIELDWORK.

ITEM 17: THERE WAS NO EVIDENCE OF RECENT CHANGES IN STREET RIGHT OF WAY LINES. THERE WAS NO EVIDENCE OF RECENT OR STREET SIDEWALK CONSTRUCTION OR REPAIRS OBSERVED IN THE PROCESS OF CONDUCTING THE FIELDWORK.

LEGEND

- IRON PIN FOUND, AS NOTED
- BENCHMARK, AS NOTED
- WATER METER
- UTILITY POLE
- GUY WIRE
- ELECTRIC METER
- BOLLARD
- ROOF DRAIN
- GAS METER
- GATE POST
- SEWER MANHOLE
- STORM MANHOLE
- PROPERTY LINE
- EASEMENT LINE
- SETBACK LINES
- OVERHEAD WIRE
- UNDERGROUND ELECTRIC
- FENCE LINE
- GAS LINE, AS NOTED
- WATER LINE, AS NOTED
- SANITARY SEWER, AS NOTED
- STORM SEWER PIPE, AS NOTED
- LIGHT POLE
- LIGHT POLE (2-WAY)



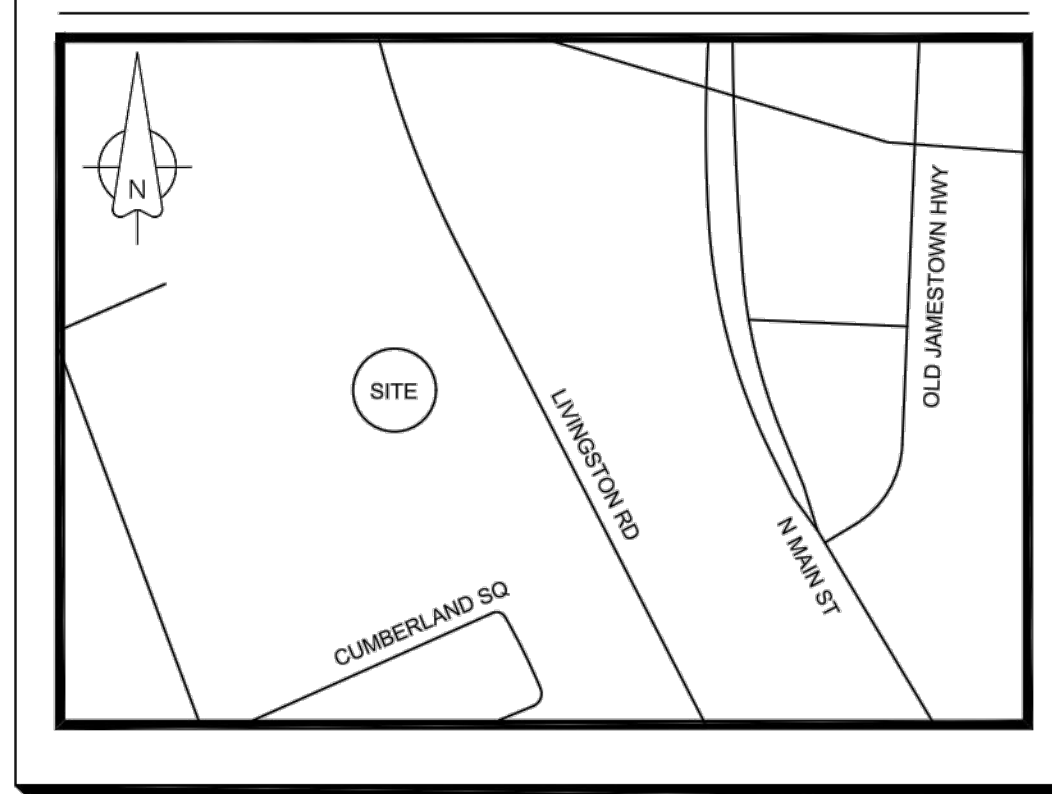
SITE ADDRESS

LIVINGSTON ROAD
CLARKSVILLE, TN

PARKING:

NO PARKING DELINEATED

LOCATION MAP NTS



LAND DESCRIPTION (PER TITLE):

The land referred to in this Commitment is described as follows:
Lying and being in the FIRST CIVIL DISTRICT of Cumberland County, Tennessee, described as follows:

Map 100-A, Group A, Portion of Parcels 4.00 and 5.01
Beginning on a 1/2 inch iron pin at the southwest right-of-way of Livingston Road (44 foot width), located Southeastward approximately 1,180 feet from the intersection of Industrial Boulevard, said iron pin at the northwest corner of James V. Garvin, Lot 2-A recorded in Plat Book 9, Page 327, this iron pin is on the 1983 Tennessee Grid at North = 595,037.040 feet and East = 2,252,715.801 feet; thence along the boundary of Garvin, South 86 deg. 02 min. 16 sec. West, intersecting an iron pin at 470.81 feet, the northeast corner Charles G. Palmer, Jr., Lot 3B recorded in Plat Book 10, Page 12, continuing the same course a total distance of 812.85 feet to a 5/8 inch iron pin set at the southeast corner of Cortland Caldemeyer, recorded in Deed Book 1537, Page 1486, thence North 23 deg. 26 min. 01 sec. West, a distance of 96.56 feet to a 3/8 inch iron pin, a corner of David Otto, recorded in Deed Book 1569, Page 153; thence North 20 deg. 50 min. 44 sec. East, a distance of 166.80 feet to a 5/8 inch iron pin set for this survey; thence continuing along Otto, in part, recorded in Deed Book 1569, Page 155, North 30 deg. 33 min. 03 sec. West, a distance of 149.81 feet to a 5/8 inch iron pin at the southwest corner of Orion Investments of Tennessee, LLC recorded in Deed Book 1443, Page 1105 and the north west corner of Herschell L. Becker, recorded in Deed Book 1419, Page 1653; thence South 89 deg. 59 min. 51 sec. East, a distance of 379.22 feet to a 5/8 inch iron pin set for this survey; thence severing the lands of Herschell L. Becker, South 03 deg. 24 min. 50 sec. East, a distance of 239.68 feet to a 5/8 inch iron pin set for this survey; thence North 88 deg. 39 min. 52 sec. East, a distance of 420.84 feet to a 5/8 inch iron pin set on the right-of-way of Livingston Road; thence South 27 deg. 36 min. 59 sec. East, a distance of 100.00 feet to the point of beginning, containing 3.95 acres according to surveys conducted in August, 2021 by Richard L. Smith, license number 1575 and Michael V. Stump, license number 784. Bearings recited in this description refer to Tennessee Grid North, coordinates derived from observations of the geospatial positioning system. Distances are ground distances adjusted by a factor of 1.000130163.

Being the same property acquired by Orion Investments, LLC, by virtue of a deed dated September 27, 2021, from Herschell L. Becker and Jeffrey Becker, recorded at Book 1623, page 1039, Register's Office, Cumberland County, Tennessee.

Included in the above described property, but is however specifically EXCLUDED from this conveyance is that certain tract or parcel consisting of approximately 0.028 acre, more or less, conveyed to David Otto and wife, Miriam S. Otto, Marcus Otto and wife, Nancy Otto, Joshua Albert Otto and wife, Regina Otto, Jeremy Ott and wife, Lynette Otto and Paul Otto of record at Book 1628, page 1727, Register's Office, Cumberland County, Tennessee.

Included in the above described property, but is however specifically EXCLUDED from this conveyance is that certain tract or parcel consisting of approximately 0.028 acre, more or less, conveyed to David Otto and wife, Miriam S. Otto, Marcus Otto and wife, Nancy Otto, Joshua Albert Otto and wife, Regina Otto, Jeremy Ott and wife, Lynette Otto and Paul Otto of record at Book 1630, page 96, Register's Office, Cumberland County, Tennessee.

SURVEYOR'S CERTIFICATION:

To: GSI CROSSVILLE EXP, LLC, FIDELITY NATIONAL TITLE INSURANCE CO.

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2021 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 1, 2, 3, 4, 5, 6(b), 7(a), 7(b)(1), 7(c), 8, 9, 11, 13 AND 16 OF TABLE A THEREOF. THE FIELD WORK WAS COMPLETED ON 9/15/2022.

DATE OF PLAT OR MAP: 11/15/2022.

PRELIMINARY - NOT FOR RECORDING OR LAND TRANSFER

CLINTON T. HEAD, RLS 2731
clint@younghobbs.com

NOTES CORRESPONDING TO SCHEDULE B:

FIDELITY NATIONAL TITLE INSURANCE COMPANY
COMMITMENT DATE: DECEMBER 16, 2021 @ 8:00 A.M.
ORDER NO.:

7. EASEMENTS AND ALL OTHER MATTERS APPEARING ON THE PLAT OF RECORD AT BOOK 1622, PAGE 1699, REGISTER'S OFFICE, CUMBERLAND COUNTY, TENNESSEE, BUT ONLY AS TO SUCH MATTERS SHOWN ON THE SURVEY OF THE SUBJECT PROPERTY BY MICHAEL V STUMP TENNESSEE RLS #784, DATED FEBRUARY 9, 2022, JOB NUMBER 0022-05305, ("SURVEY").

"SURVEY" NOT PROVIDED FOR REVIEW; PLAT AFFECTS, AS SHOWN HEREON.

11. ALL MATTERS APPEARING OR DISCLOSED ON OR BY THAT CERTAIN PLAT OF RECORD IN PLAT BOOK 9, PAGE 317, REGISTER'S OFFICE, CUMBERLAND COUNTY, TENNESSEE, BUT ONLY AS TO SUCH MATTERS SHOWN ON THE SURVEY. PLAT WAS SUPERSEDED BY BOOK 1622, PAGE 1699.

12. 15 FOOT WIDE GAS PIPELINE EASEMENT TO THE MIDDLE TENNESSEE NATURAL GAS UTILITY DISTRICT BY INSTRUMENT OF RECORD AT MISCELLANEOUS BOOK 93, PAGE 134, REGISTER'S OFFICE, CUMBERLAND COUNTY, TENNESSEE, AS SHOWN ON THE SURVEY. DOES NOT AFFECT.

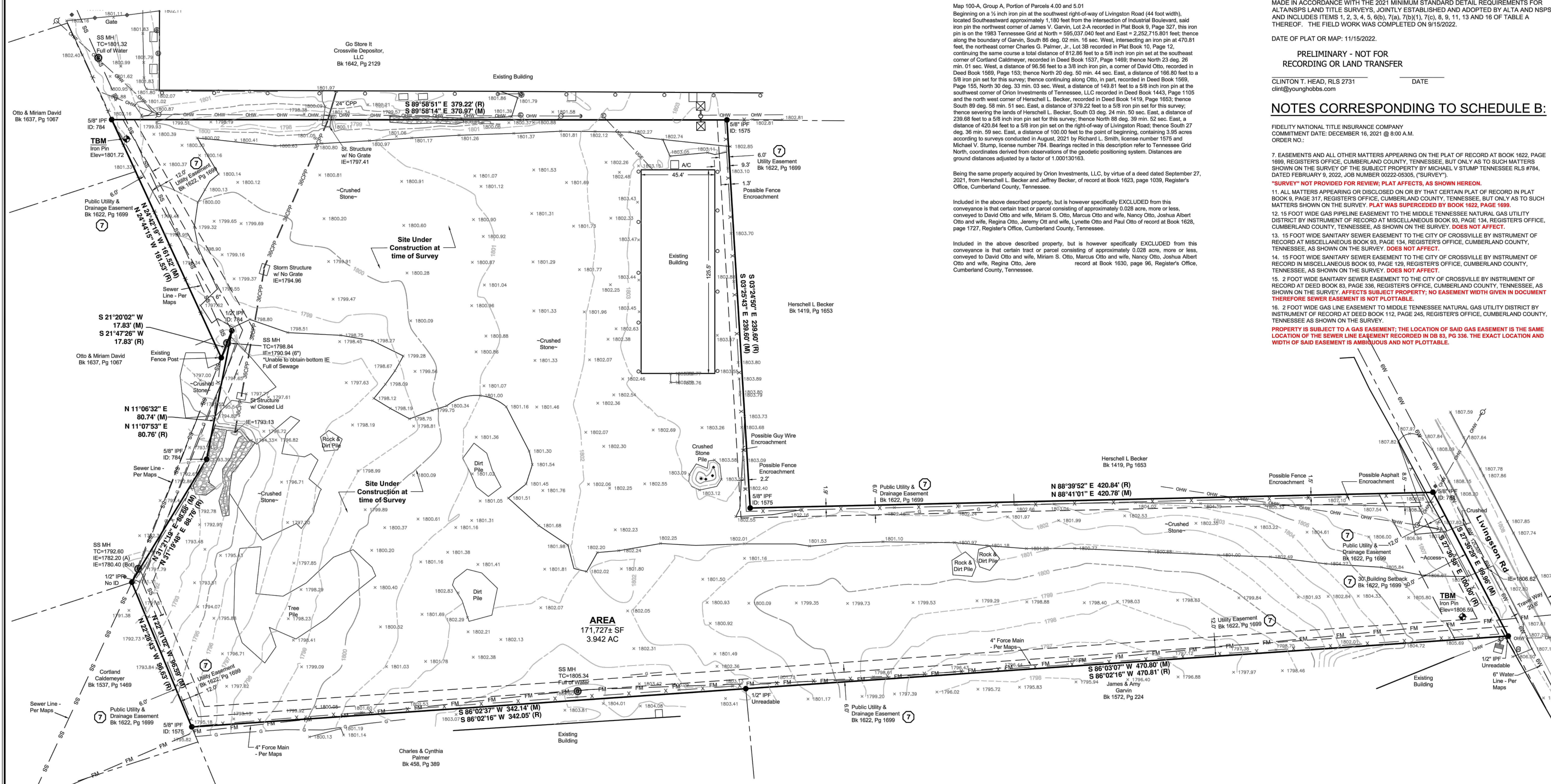
13. 15 FOOT WIDE SANITARY SEWER EASEMENT TO THE CITY OF CROSSVILLE BY INSTRUMENT OF RECORD AT MISCELLANEOUS BOOK 93, PAGE 129, REGISTER'S OFFICE, CUMBERLAND COUNTY, TENNESSEE, AS SHOWN ON THE SURVEY. DOES NOT AFFECT.

14. 15 FOOT WIDE SANITARY SEWER EASEMENT TO THE CITY OF CROSSVILLE BY INSTRUMENT OF RECORD IN MISCELLANEOUS BOOK 93, PAGE 129, REGISTER'S OFFICE, CUMBERLAND COUNTY, TENNESSEE, AS SHOWN ON THE SURVEY. DOES NOT AFFECT.

15. 2 FOOT WIDE SANITARY SEWER EASEMENT TO THE CITY OF CROSSVILLE BY INSTRUMENT OF RECORD AT DEED BOOK 83, PAGE 336, REGISTER'S OFFICE, CUMBERLAND COUNTY, TENNESSEE, AS SHOWN ON THE SURVEY. AFFECTS SUBJECT PROPERTY; NO EASEMENT WIDTH GIVEN IN DOCUMENT THEREFORE SEWER EASEMENT IS NOT PLOTTABLE.

16. 2 FOOT WIDE GAS LINE EASEMENT TO MIDDLE TENNESSEE NATURAL GAS UTILITY DISTRICT BY INSTRUMENT OF RECORD AT DEED BOOK 112, PAGE 245, REGISTER'S OFFICE, CUMBERLAND COUNTY, TENNESSEE AS SHOWN ON THE SURVEY.

PROPERTY IS SUBJECT TO A GAS EASEMENT; THE LOCATION OF SAID GAS EASEMENT IS THE SAME LOCATION OF THE SEWER LINE EASEMENT RECORDED IN DB 83, PG 336. THE EXACT LOCATION AND WIDTH OF SAID EASEMENT IS AMBIGUOUS AND NOT PLOTTABLE.



YOUNG - HOBBS AND ASSOCIATES

1202 CROSSLAND AVE.
CLARKSVILLE, TN 37040
PHONE 931-645-2524
FAX 931-645-2768
clint@younghobbs.com

PRELIMINARY - NOT FOR RECORDING OR LAND TRANSFER

CLINTON T. HEAD, RLS
clint@younghobbs.com

No.	Date	Revision

CLIENT

Kimley Horn

Kimley Horn and Associates, Inc.
6750 Poplar Ave. Ste 600
Memphis, TN 38138

ALTA/NSPS LAND TITLE SURVEY

OWNER INFORMATION

GSI CROSSVILLE EXP, LLC
VOL 1636, PAGE 262
MAP 100A
PARCEL 002.04
1ST CIVIL DISTRICT

CITY OF CROSSVILLE,
CUMBERLAND COUNTY,
STATE OF TENNESSEE

DRAWN BY: CLH
APPROVED BY: CTH
DATE: (FIELD) 9/15/2022
DATE: (OFFICE) 11/15/2022
YHA PROJ. # 206-22

Plotted By: Abiles, Fielding - Sheet - Set: CROSSVILLE BOAT AND RV STORAGE - 013188007 - Layout: C2-00 - SITE LAYOUT PLAN - July 13, 2023 - 08:25:38am - K: MEM - DEVA: 013188007 - Crossville, TN and Best Storage, CAD: P:\Projects\C2-00 SITE LAYOUT PLAN.dwg
 This document, together with the concepts and designs presented herein, is intended only for the specific purpose and client for which it was prepared. Reuse of and improper reliance on this document without written authorization and adaptation by Kimley-Horn and Associates, Inc. shall be without liability to Kimley-Horn and Associates, Inc.

SITE LAYOUT LEGEND

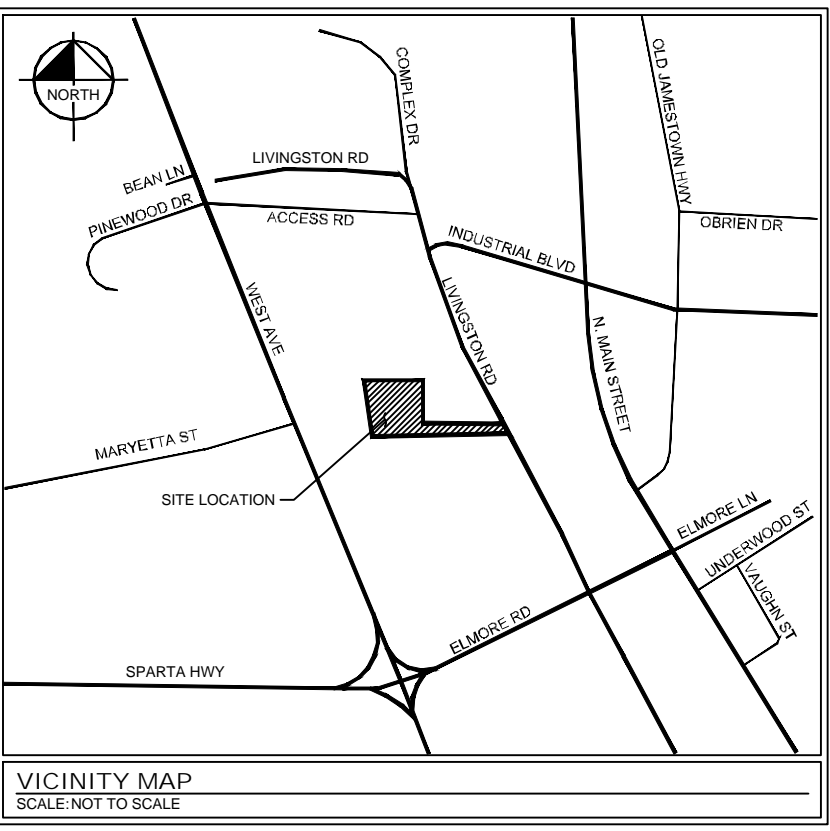
- PROPERTY LINE
- BUILDING SETBACK LINE
- SAWCUT LIMITS
- RIPRAP OUTFALL PROTECTION
- ASPHALT PAVEMENT
- GRAVEL SHOULDER
- CONCRETE PAVEMENT
- SELF-STORAGE UNITS

SITE DATA TABLE

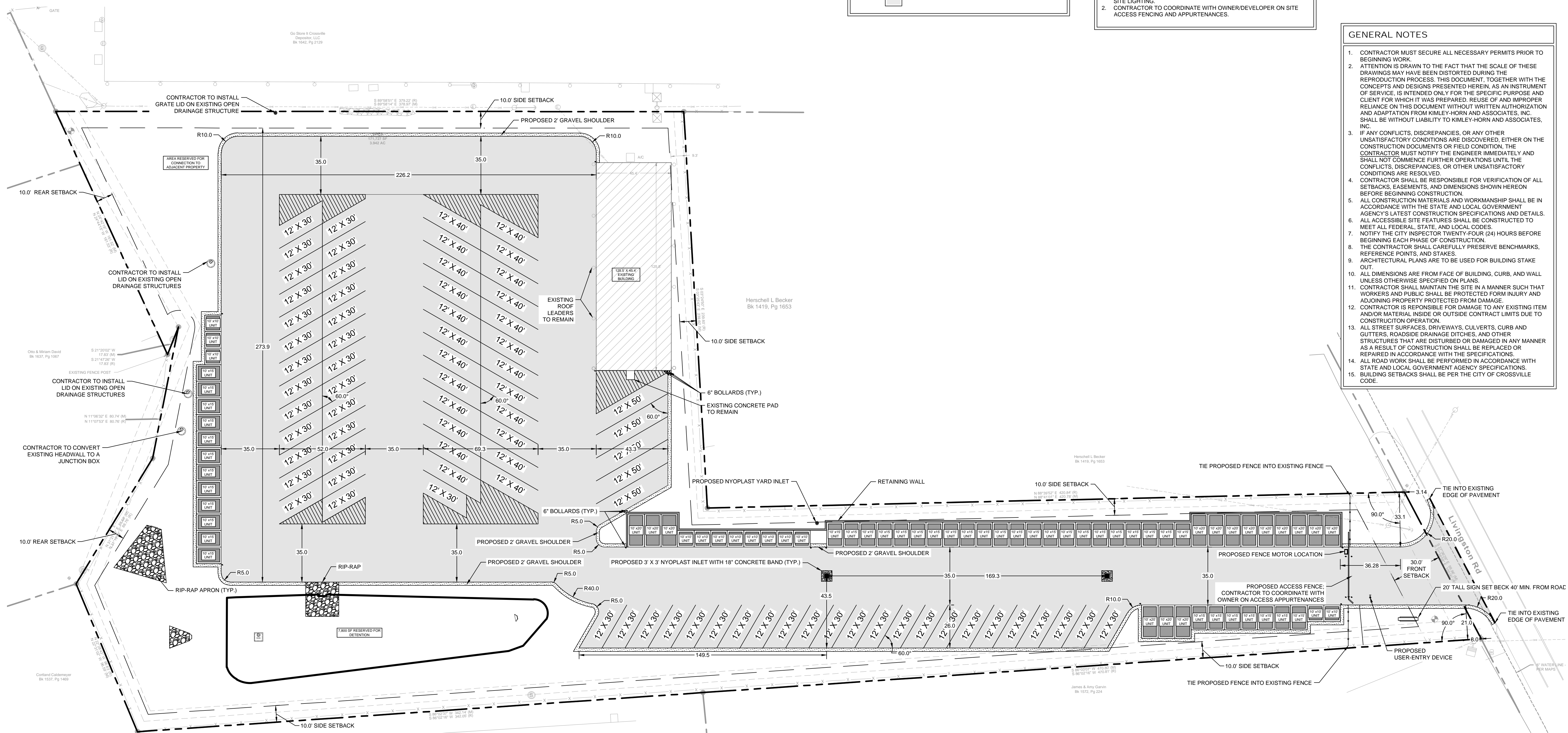
SITE INFORMATION SUMMARY:	
PROPOSED IMPROVEMENT:	COMMERCIAL DEVELOPMENT
FRONT SETBACK:	30 FEET
SIDE SETBACK:	10 FEET
REAR SETBACK:	10 FEET
TOTAL DISTURBED AREA:	3.94± ACRES
PARKING/STORAGE INFORMATION:	
12x30 BOAT/RV STORAGE SPACES:	50
12x40 BOAT/RV STORAGE SPACES:	24
12x50 BOAT/RV STORAGE SPACES:	5
TOTAL BOAT/RV STORAGE SPACES:	79
10x10' STORAGE UNITS:	13
10x15' STORAGE UNITS:	41
10x20' STORAGE UNITS:	15
TOTAL STORAGE UNITS:	69

CONTRACTOR NOTES

- CONTRACTOR TO COORDINATE WITH OWNER/DEVELOPER ON FINAL SITE LIGHTING.
- CONTRACTOR TO COORDINATE WITH OWNER/DEVELOPER ON SITE ACCESS FENCING AND APPURTENANCES.

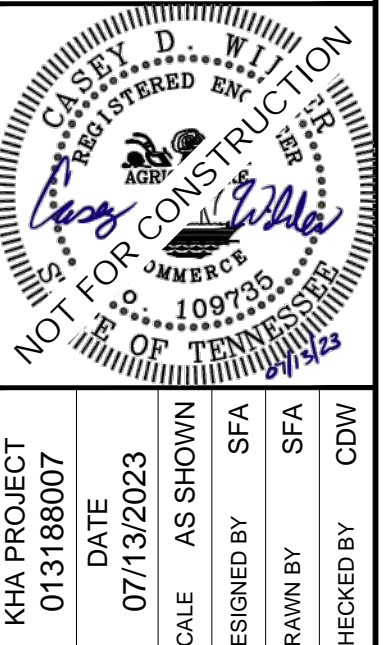


- ### GENERAL NOTES
- CONTRACTOR MUST SECURE ALL NECESSARY PERMITS PRIOR TO BEGINNING WORK.
 - ATTENTION IS DRAWN TO THE FACT THAT THE SCALE OF THESE DRAWINGS MAY HAVE BEEN DISTORTED DURING THE REPRODUCTION PROCESS. THIS DOCUMENT, TOGETHER WITH THE CONCEPTS AND DESIGNS PRESENTED HEREIN, AS AN INSTRUMENT OF SERVICE, IS INTENDED ONLY FOR THE SPECIFIC PURPOSE AND CLIENT FOR WHICH IT WAS PREPARED. REUSE OF AND IMPROPER RELIANCE ON THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND ADAPTATION FROM KIMLEY-HORN AND ASSOCIATES, INC. SHALL BE WITHOUT LIABILITY TO KIMLEY-HORN AND ASSOCIATES, INC.
 - IF ANY CONFLICTS, DISCREPANCIES, OR ANY OTHER UNSATISFACTORY CONDITIONS ARE DISCOVERED, EITHER ON THE CONSTRUCTION DOCUMENTS OR FIELD CONDITION, THE CONTRACTOR MUST NOTIFY THE ENGINEER IMMEDIATELY AND SHALL NOT COMMENCE FURTHER OPERATIONS UNTIL THE CONFLICTS, DISCREPANCIES, OR OTHER UNSATISFACTORY CONDITIONS ARE RESOLVED.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL SETBACKS, EASEMENTS, AND DIMENSIONS SHOWN HEREON BEFORE BEGINNING CONSTRUCTION.
 - ALL CONSTRUCTION MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE STATE AND LOCAL GOVERNMENT AGENCY'S LATEST CONSTRUCTION SPECIFICATIONS AND DETAILS.
 - ALL ACCESSIBLE SITE FEATURES SHALL BE CONSTRUCTED TO MEET ALL FEDERAL, STATE, AND LOCAL CODES.
 - NOTIFY THE CITY INSPECTOR TWENTY-FOUR (24) HOURS BEFORE BEGINNING EACH PHASE OF CONSTRUCTION.
 - THE CONTRACTOR SHALL CAREFULLY PRESERVE BENCHMARKS, REFERENCE POINTS, AND STAKES.
 - ARCHITECTURAL PLANS ARE TO BE USED FOR BUILDING STAKE OUT.
 - ALL DIMENSIONS ARE FROM FACE OF BUILDING, CURB, AND WALL UNLESS OTHERWISE SPECIFIED ON PLANS.
 - CONTRACTOR SHALL MAINTAIN THE SITE IN A MANNER SUCH THAT WORKERS AND PUBLIC SHALL BE PROTECTED FROM INJURY AND ADJOINING PROPERTY PROTECTED FROM DAMAGE.
 - CONTRACTOR IS RESPONSIBLE FOR DAMAGE TO ANY EXISTING ITEM AND/OR MATERIAL INSIDE OR OUTSIDE CONTRACT LIMITS DUE TO CONSTRUCTION OPERATION.
 - ALL STREET SURFACES, DRIVEWAYS, CULVERTS, CURB AND GUTTERS, ROADSIDE DRAINAGE DITCHES, AND OTHER STRUCTURES THAT ARE DISTURBED OR DAMAGED IN ANY MANNER AS A RESULT OF CONSTRUCTION SHALL BE REPLACED OR REPAIRED IN ACCORDANCE WITH THE SPECIFICATIONS.
 - ALL ROAD WORK SHALL BE PERFORMED IN ACCORDANCE WITH STATE AND LOCAL GOVERNMENT AGENCY SPECIFICATIONS.
 - BUILDING SETBACKS SHALL BE PER THE CITY OF CROSSVILLE CODE.



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 SCALE: AS SHOWN
 DESIGNED BY: SFA
 DRAWN BY: SFA
 CHECKED BY: CDW

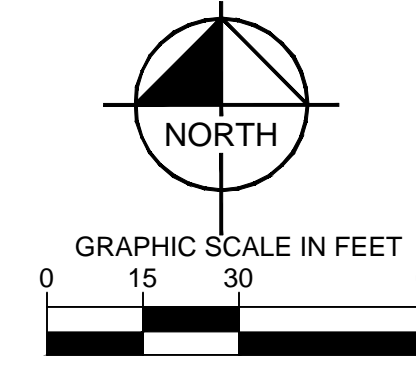
CROSSVILLE BOAT & RV STORAGE
 PREPARED FOR
MADISON CAPITAL GROUP, LLC
 CROSSVILLE, TENNESSEE

SITE LAYOUT PLAN

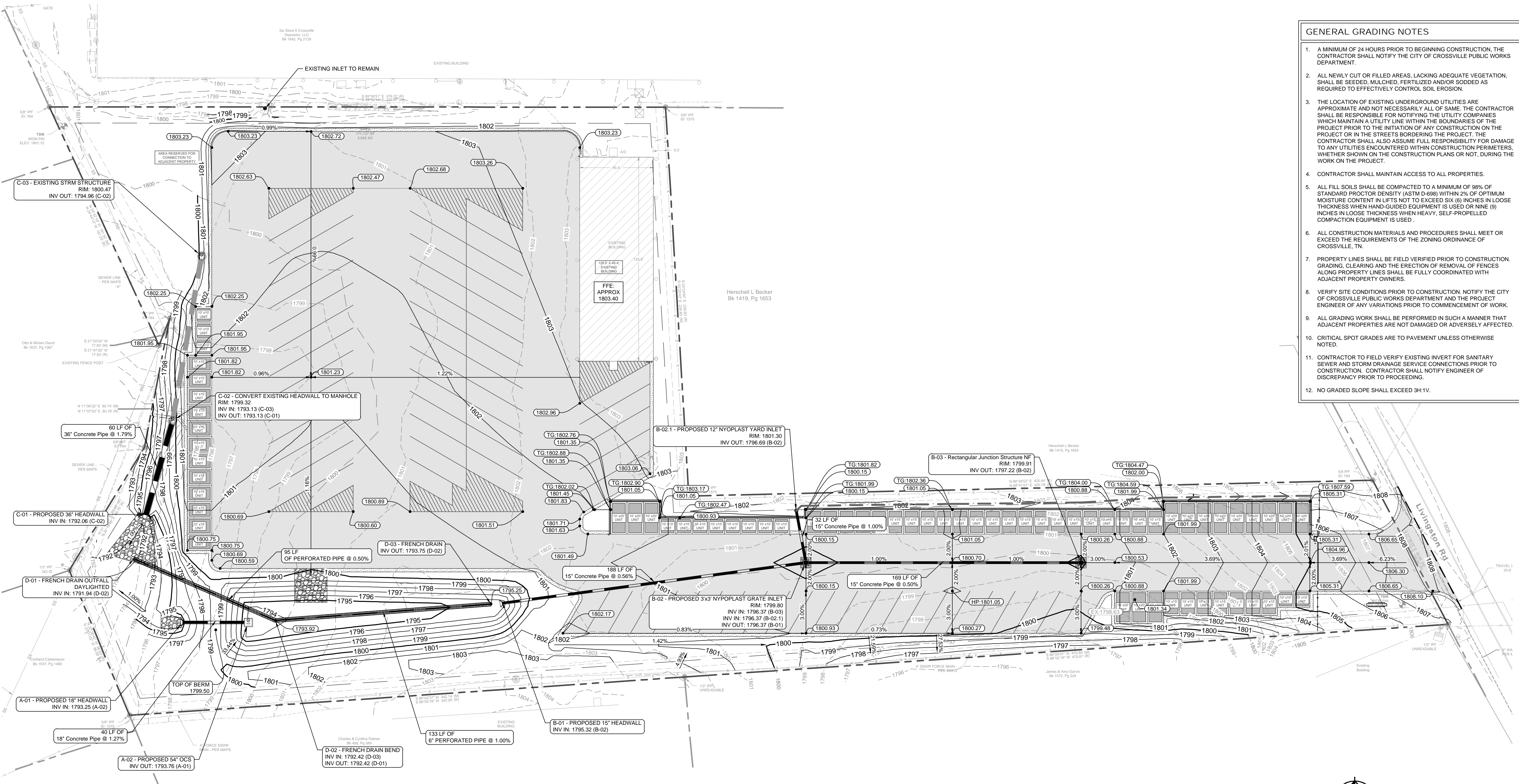
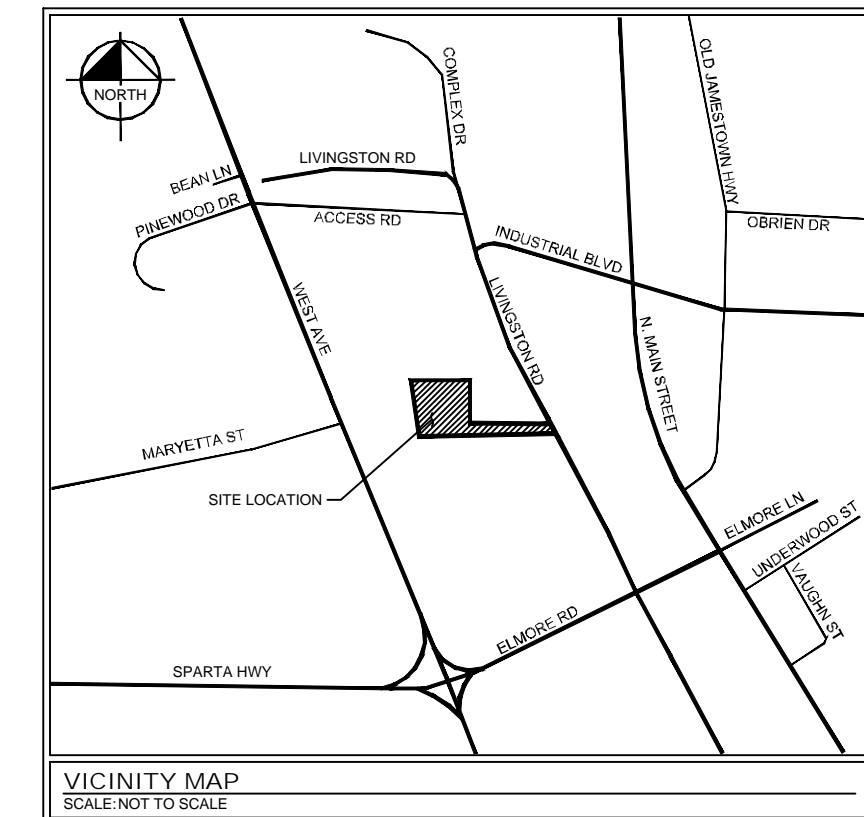
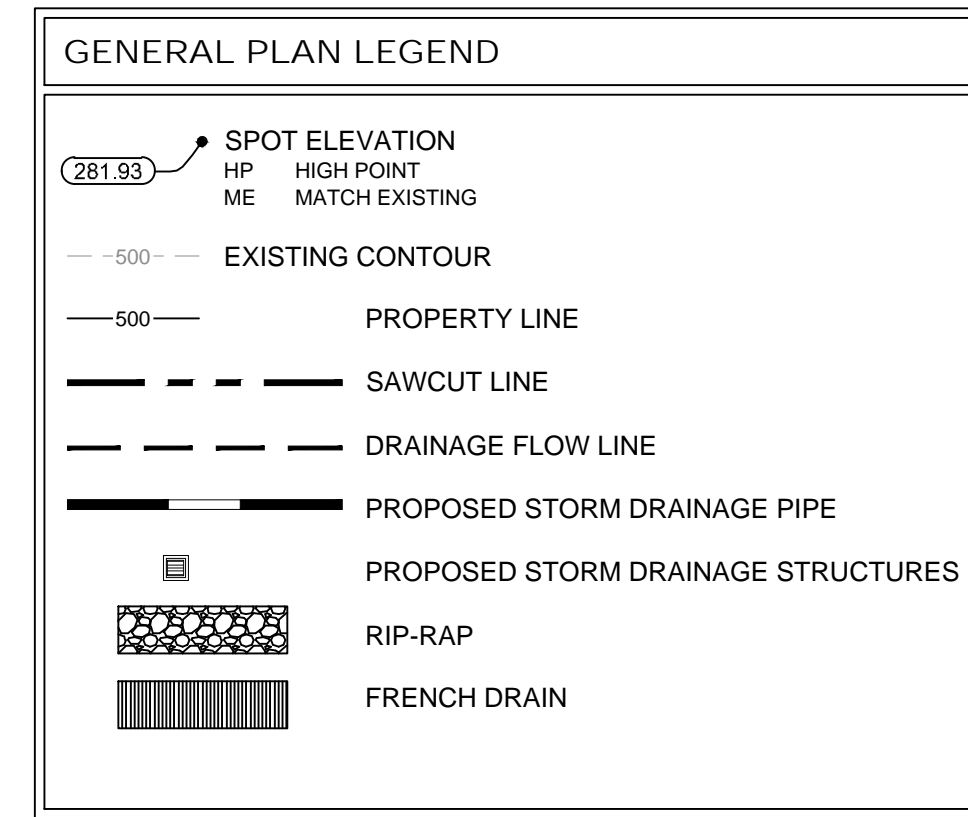
SHEET NUMBER
C2-00

Know what's below.
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Plotted By: Abies, Fielding - Sheet: C3-00 GRADING AND DRAINAGE PLAN - July 13, 2023, 08:29:52am - K:\MEM_DEVELOPMENT\CAD\Drawings\C3-00 GRADING AND DRAINAGE PLAN.dwg
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- ### GENERAL GRADING NOTES
- A MINIMUM OF 24 HOURS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE CITY OF CROSSVILLE PUBLIC WORKS DEPARTMENT.
 - ALL NEWLY CUT OR FILLED AREAS, LACKING ADEQUATE VEGETATION, SHALL BE SEEDED, MULCHED, FERTILIZED AND/OR SOODED AS REQUIRED TO EFFECTIVELY CONTROL SOIL EROSION.
 - THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE APPROXIMATE AND NOT NECESSARILY ALL OF SAME. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE UTILITY COMPANIES WHICH MAINTAIN A UTILITY LINE WITHIN THE BOUNDARIES OF THE PROJECT PRIOR TO THE INITIATION OF ANY CONSTRUCTION ON THE PROJECT OR IN THE STREETS BORDERING THE PROJECT. THE CONTRACTOR SHALL ALSO ASSUME FULL RESPONSIBILITY FOR DAMAGE TO ANY UTILITIES ENCOUNTERED WITHIN CONSTRUCTION PERIMETERS, WHETHER SHOWN ON THE CONSTRUCTION PLANS OR NOT, DURING THE WORK ON THE PROJECT.
 - CONTRACTOR SHALL MAINTAIN ACCESS TO ALL PROPERTIES.
 - ALL FILL SOILS SHALL BE COMPACTED TO A MINIMUM OF 98% OF STANDARD PROCTOR DENSITY (ASTM D-998) WITHIN 2% OF OPTIMUM MOISTURE CONTENT IN LIFTS NOT TO EXCEED SIX (6) INCHES IN LOOSE THICKNESS WHEN HAND-GUIDED EQUIPMENT IS USED OR NINE (9) INCHES IN LOOSE THICKNESS WHEN HEAVY, SELF-PROPELLED COMPACTION EQUIPMENT IS USED.
 - ALL CONSTRUCTION MATERIALS AND PROCEDURES SHALL MEET OR EXCEED THE REQUIREMENTS OF THE ZONING ORDINANCE OF CROSSVILLE, TN.
 - PROPERTY LINES SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION. GRADING, CLEARING AND THE ERECTION OF REMOVAL OF FENCES ALONG PROPERTY LINES SHALL BE FULLY COORDINATED WITH ADJACENT PROPERTY OWNERS.
 - VERIFY SITE CONDITIONS PRIOR TO CONSTRUCTION. NOTIFY THE CITY OF CROSSVILLE PUBLIC WORKS DEPARTMENT AND THE PROJECT ENGINEER OF ANY VARIATIONS PRIOR TO COMMENCEMENT OF WORK.
 - ALL GRADING WORK SHALL BE PERFORMED IN SUCH A MANNER THAT ADJACENT PROPERTIES ARE NOT DAMAGED OR ADVERSELY AFFECTED.
 - CRITICAL SPOT GRADES ARE TO PAVEMENT UNLESS OTHERWISE NOTED.
 - CONTRACTOR TO FIELD VERIFY EXISTING INVERT FOR SANITARY SEWER AND STORM DRAINAGE SERVICE CONNECTIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY ENGINEER OF DISCREPANCY PRIOR TO PROCEEDING.
 - NO GRADED SLOPE SHALL EXCEED 3H:1V.

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GRADING AND DRAINAGE PLAN

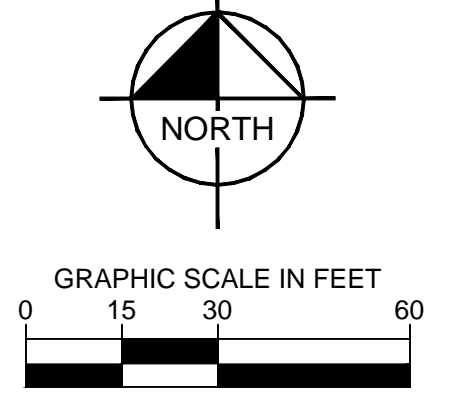
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 PREPARED FOR
 MADISON CAPITAL GROUP, LLC

CROSSVILLE
 TENNESSEE

SHEET NUMBER
C3-00



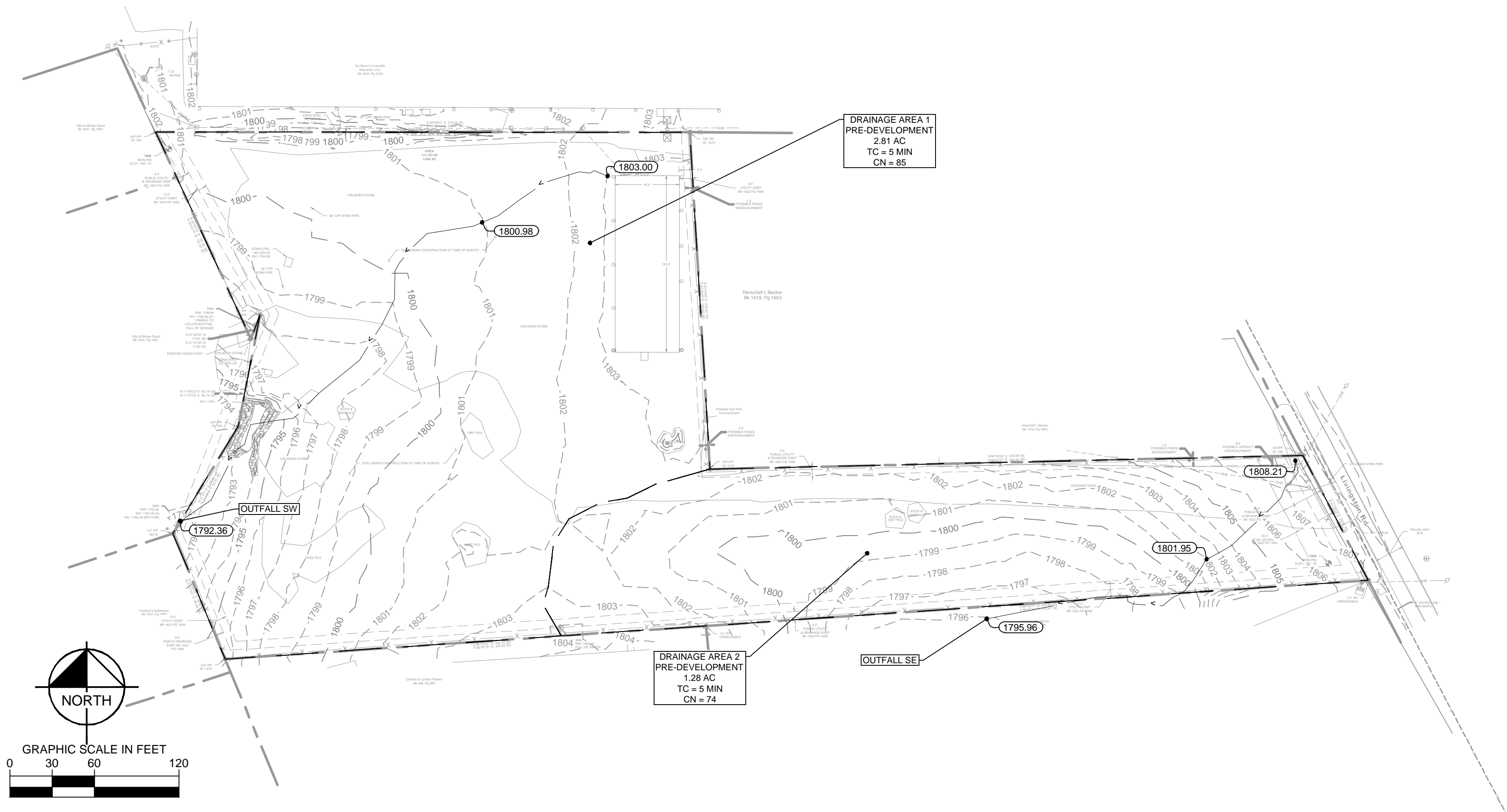
POND CLAY LINER NOTE
 CONTRACTOR SHALL OVER EXCAVATE POND FOR THE INSTALLATION OF FRENCH DRAIN (REFER TO CONSTRUCTION DETAILS) AND TO PROVIDE A MINIMUM 24" THICK CLAY LINER.



Plotted By: Abies, Fielding - Sheet - Set: CROSSVILLE BOAT AND RV STORAGE - 013188007 - 08-26-2023 - 08:26:02am - K: MEM - DEV - 013188007 - Crossville RV and Boat Storage CAD: Pinned: 03-10 PRE-DEVELOPMENT CONDITIONS.dwg
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LEGEND

- 329 --- EXISTING GROUND CONTOURS
- BASIN DELINEATION
- TIME OF CONCENTRATION FLOW PATH

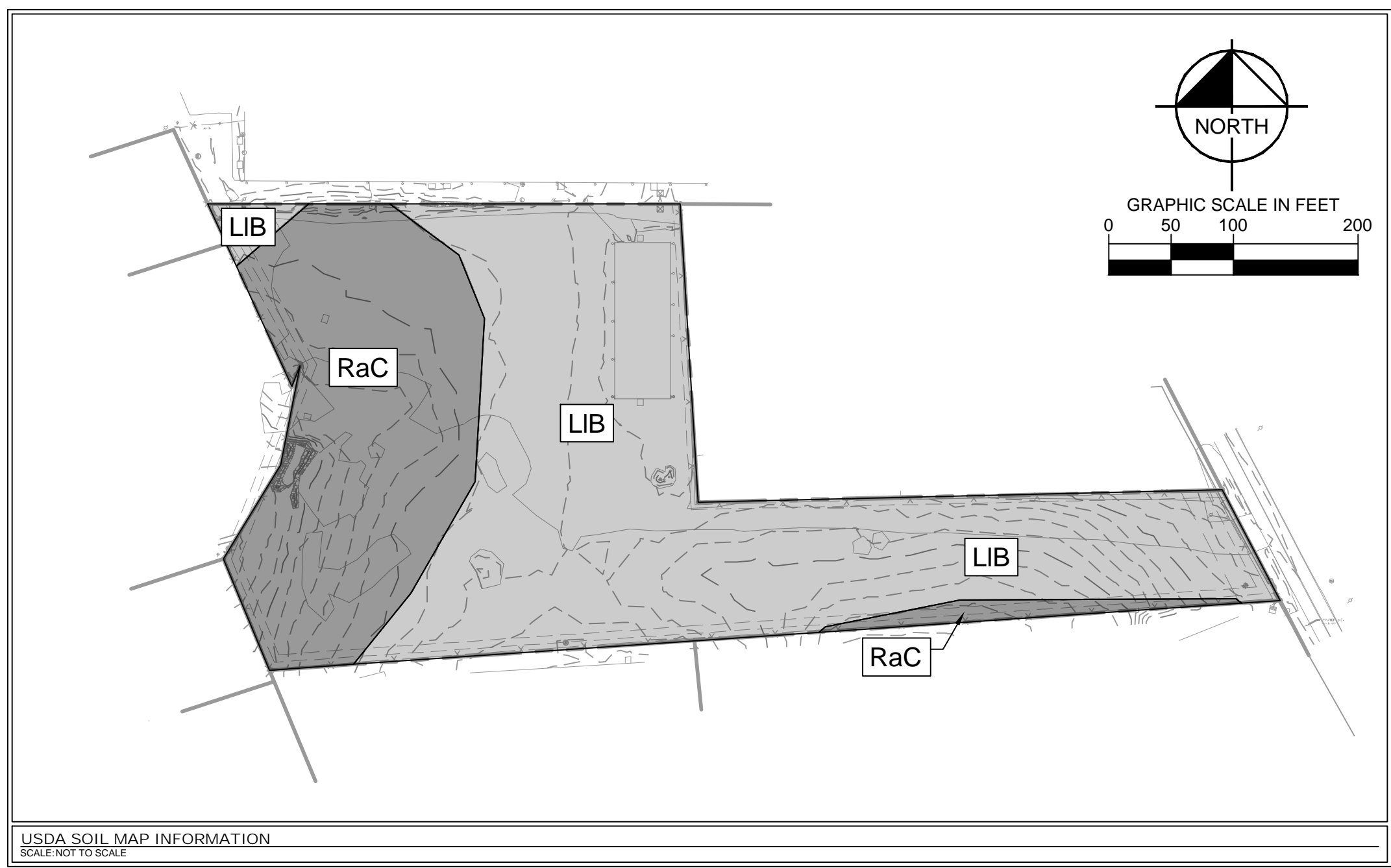
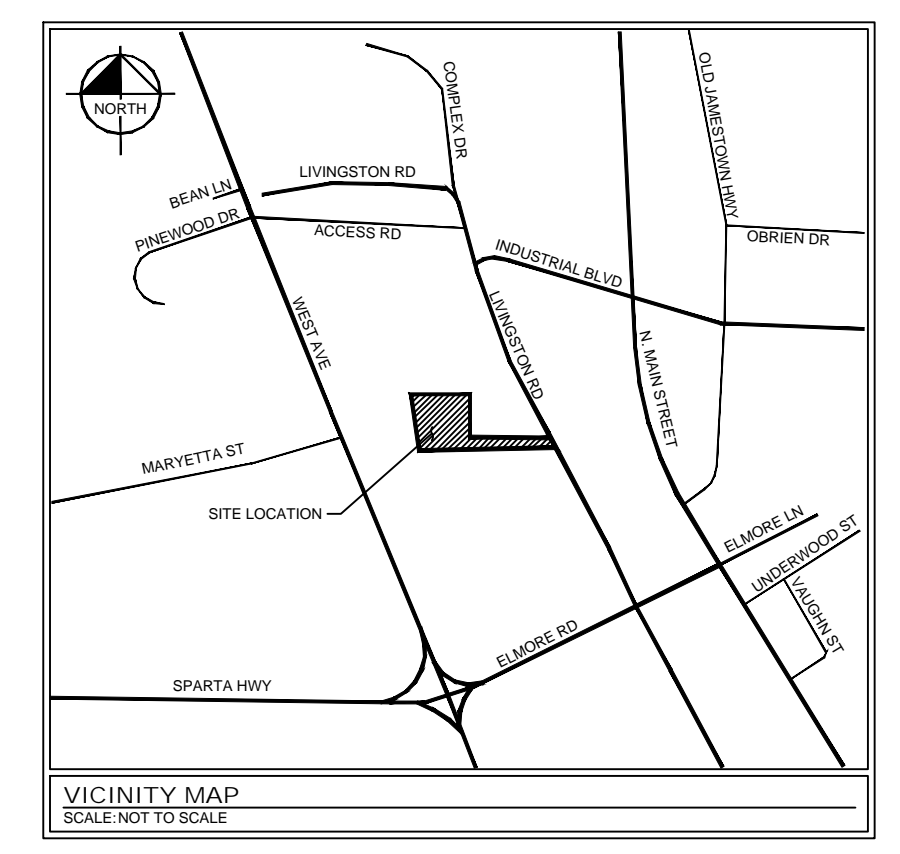
DESIGN STORM EVENTS

YEAR	DURATION	DEPTH (in)
2	24-HR	3.61
5	24-HR	4.40
10	24-HR	5.02
100*	24-HR	7.22

* 100-YEAR STORM EVENT TO BE SAFELY ROUTED, NOT DETAINED

OUTFALL CALCULATION

OUTFALL	STORM	PRE-DEVELOPMENT FLOW (cfs)
SW	2-Year	8.18
	5-Year	10.98
	10-Year	13.22
SE	2-Year	2.02
	5-Year	3.07
	10-Year	3.94



Soil Type Summary

Soil Type	Soil Name	Hydrologic Soil Group
LIB	Lily Loam	B
RaC	Ramsey Loam	D

Pre-Developed Basins

Basin	Units	On-Site				Total
		Gravel Road ROW	Grass (Fair)	Gravel Road ROW	Grass (Fair)	
DA-1	SF	54,807	12,445	42,162	13,318	122,530
	AC	1.25	0.29	0.97	0.91	2.81
	CN	85	69	91	84	85
DA-2	SF	15,543	36,470		3,627	55,640
	AC	0.36	0.84		0.08	1.28
	CN	85	69	91	84	74

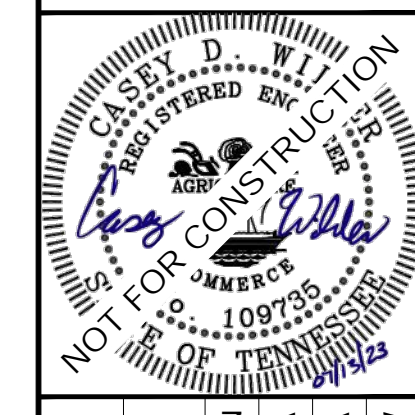
Pre-Developed Basins - On-Site

Basin	Type of Flow	Cover Description	Flow Length (ft)	Slope (ft/ft)	Manning's Roughness Coefficient (n)	Two Year, 24-hr Rainfall (in)	Channel Bottom Width (ft)	Channel Side Slope (x:1)	Flow Depth (ft)	Cross-Sectional Area (ft²)	Wetted Perimeter (ft)	Hydraulic Radius (ft)	Average Velocity (ft/s)	Travel Time (min)
DA-1	Sheet	Cement Rubble Surface	100	0.02	0.024	3.61								2.12
	Shallow Concentrated	Unpaved	328	0.028	15.130	3.61							2.61	2.09
*Time of Concentration (min) = 4.21														
DA-2	Sheet	Cement Rubble Surface	100	0.083	0.024	3.61								1.35
	Shallow Concentrated	Unpaved	177	0.034	15.130	3.61							2.97	0.99
*Time of Concentration (min) = 2.34														

* A TIME OF CONCENTRATION OF 5 MINUTES WAS USED FOR PRE-DEVELOPED RUNOFF FLOW CALCULATIONS

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PRE-DEVELOPMENT CONDITIONS

CROSSVILLE BOAT & RV STORAGE
 PREPARED FOR
 MADISON CAPITAL GROUP, LLC
 CROSSVILLE, TENNESSEE

SHEET NUMBER
C3-10

Plotted By: Abiles, Fielding - Sheet: CROSSVILLE BOAT AND RV STORAGE - 013188007 - Layout: C3-20 POST-DEVELOPMENT CONDITIONS - July 13, 2023 - DB: 26:14m - K:\MEM_ADEV\013188007 - Crossville RV and Boat Storage CAD\Plots\c3-20 POST-DEVELOPMENT CONDITIONS.dwg
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DESIGN STORM EVENTS		
YEAR	DURATION	DEPTH (in)
2	24-HR	3.61
5	24-HR	4.40
10	24-HR	5.02
100	24-HR	7.22

* 100-YEAR STORM EVENT MUST BE SAFELY BYPASSED

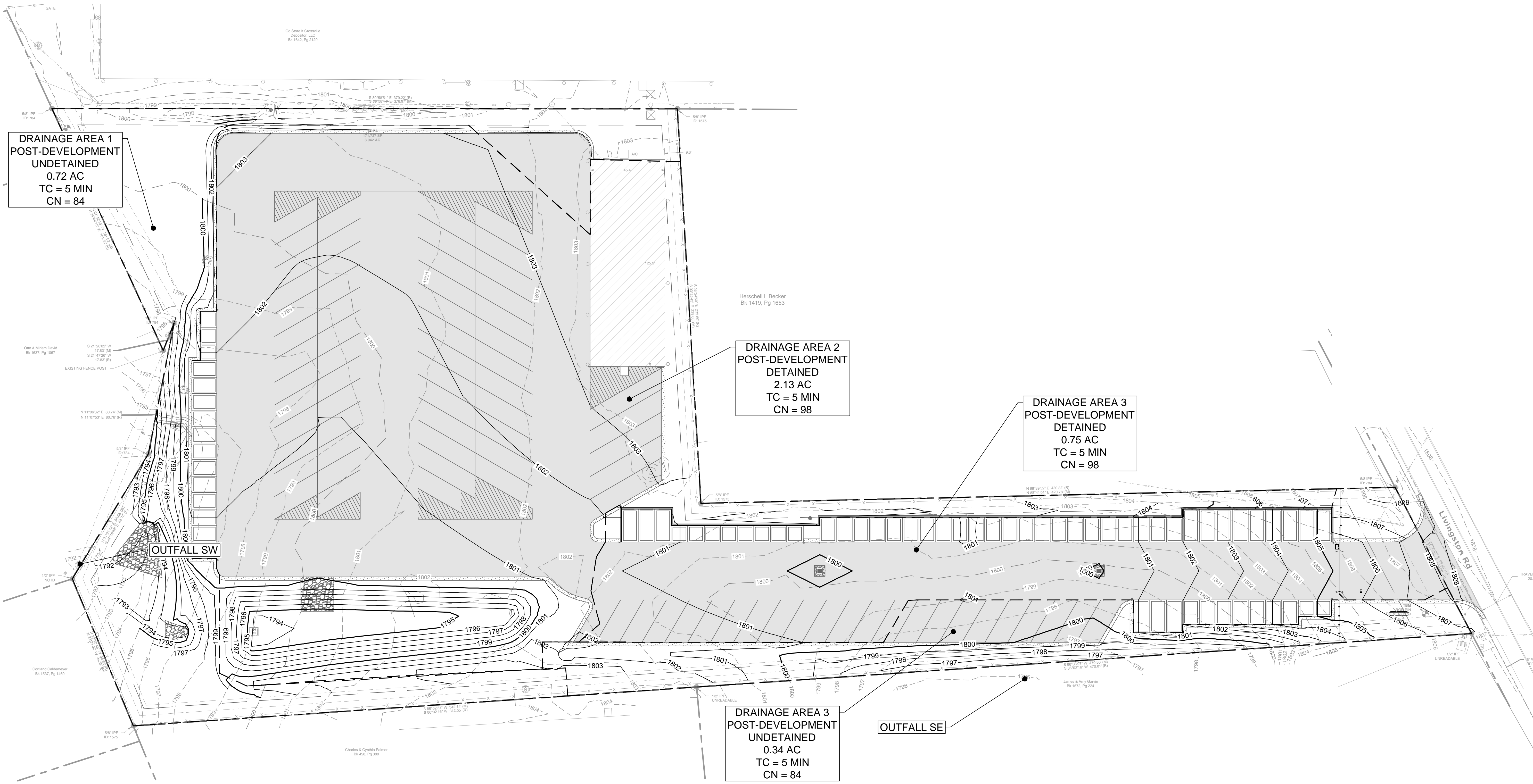
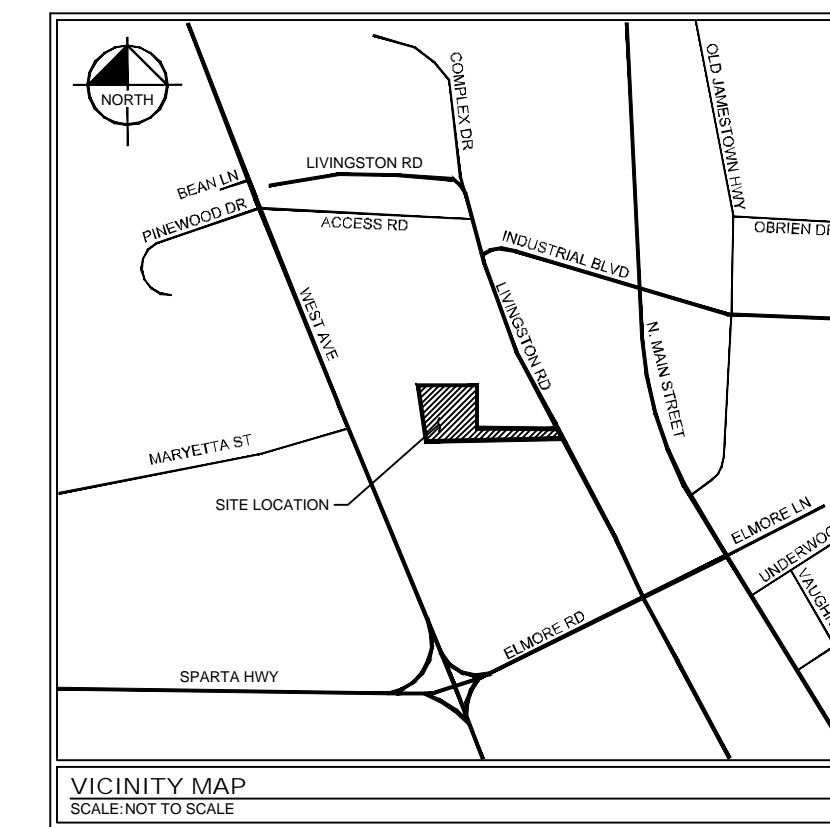
OUTFALL CALCULATIONS				
OUTFALL	STORM	PRE-DEVELOPMENT FLOW (cfs)	POST-DEVELOPMENT FLOW (cfs)	POND ELEVATION*
SW	2-Year	8.18	9.43	1797.28
	5-Year	10.98	11.76	1797.60
	10 Year	13.22	15.17	1797.76
	100 Year	--	--	1798.12
SE	2-Year	2.02	1.04	--
	5-Year	3.07	1.40	--
	10 Year	3.94	1.68	--
	100 Year	--	--	--

* TOP OF POND = 1799.15 / BOTTOM OF POND = 1793.76

OUTLET CONTROL STRUCTURE		
DESCRIPTION	SIZE	ELEVATION
ORIFICE 1*	1.25 IN	1793.76
ORIFICE 2	16 IN	1795.30
WEIR 1	8 FT	1797.50
OUTLET PIPE	18 IN	1793.76

* ORIFICE 1 IS SIZED FOR FIRST 0.5 IN OF RUNOFF TO BE RETAINED AND TREATED FROM 24 TO 48 HOURS

LEGEND	
	EXISTING GROUND CONTOURS
	BASIN DELINEATION
	BASIN DELINEATION



DRAINAGE AREA 1
POST-DEVELOPMENT
UNDETAINED
0.72 AC
TC = 5 MIN
CN = 84

DRAINAGE AREA 2
POST-DEVELOPMENT
DETAINED
2.13 AC
TC = 5 MIN
CN = 98

DRAINAGE AREA 3
POST-DEVELOPMENT
DETAINED
0.75 AC
TC = 5 MIN
CN = 98

DRAINAGE AREA 3
POST-DEVELOPMENT
UNDETAINED
0.34 AC
TC = 5 MIN
CN = 84

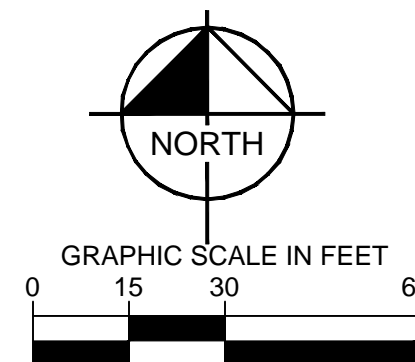
OUTFALL SE

OUTFALL SW



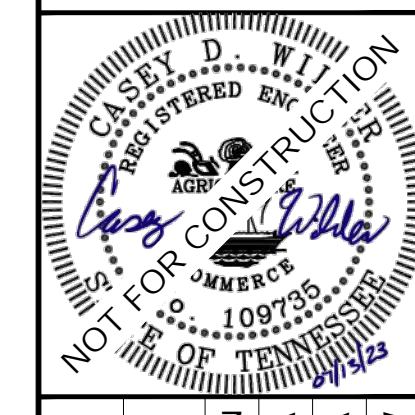
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**POST-DEVELOPMENT
CONDITIONS**

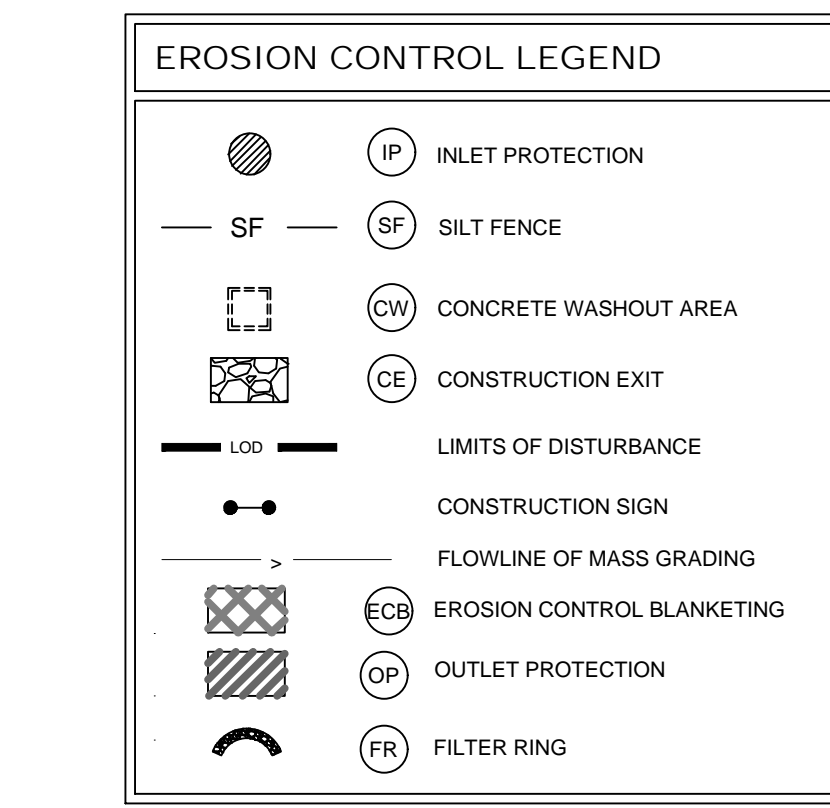
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 PREPARED FOR
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 CROSSVILLE TENNESSEE

SHEET NUMBER
C3-20

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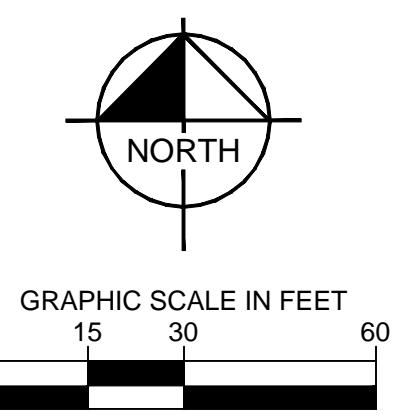
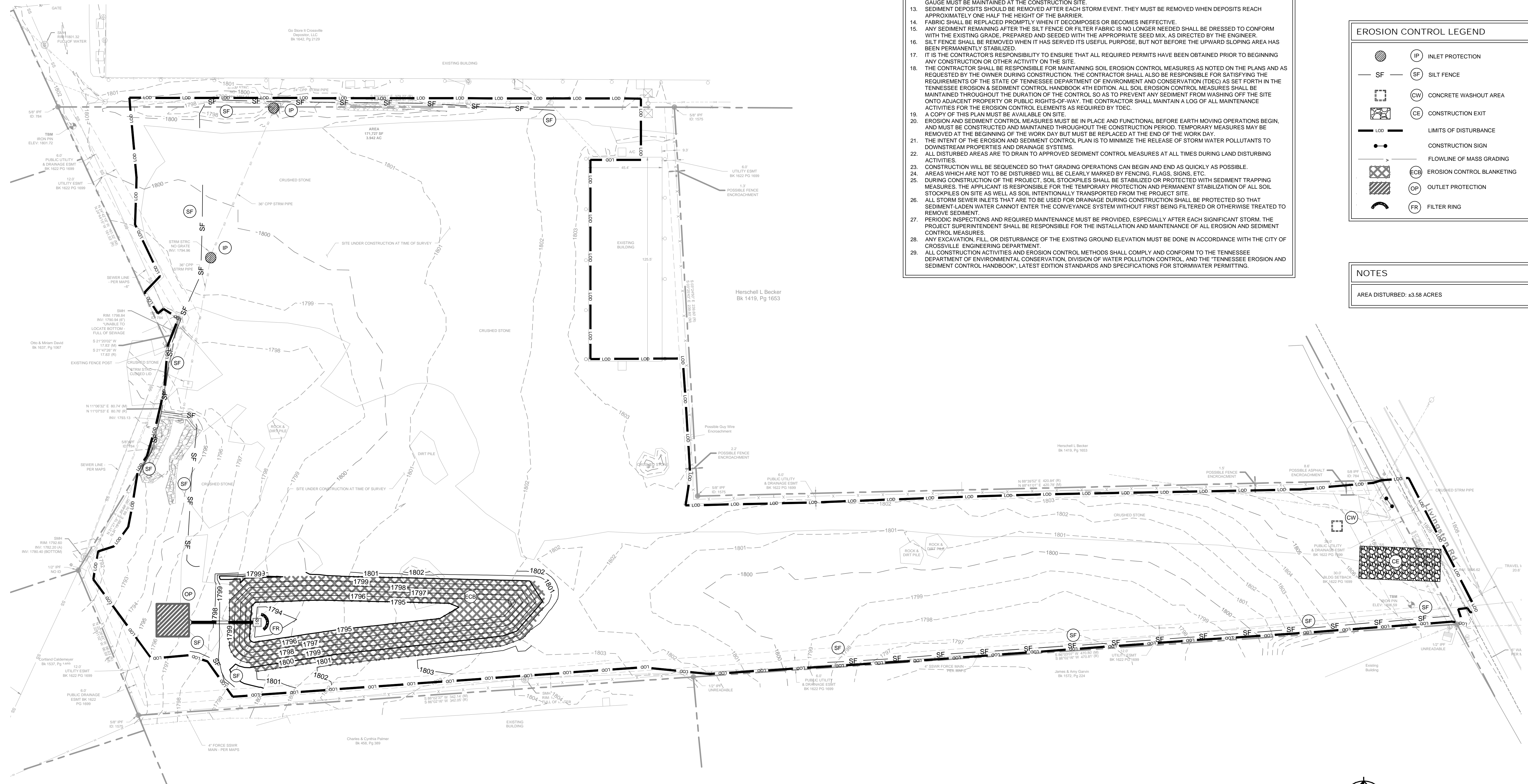
EROSION CONTROL NOTES

1. A MINIMUM OF 24 HOURS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE CITY OF CROSSVILLE CONSTRUCTION INSPECTION OFFICE.
2. ALL NEWLY CUT OR FILLED AREA, LACKING ADEQUATE VEGETATION, SHALL BE SEEDED, MULCHED, FERTILIZED, AND/OR SOODED AS REQUIRED TO EFFECTIVELY CONTROL SOIL EROSION.
3. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL PROPERTIES.
4. ALL CONSTRUCTION MATERIALS AND PROCEDURES SHALL MEET OR EXCEED THE REQUIREMENTS OF THE CITY OF CROSSVILLE STANDARD CONSTRUCTION SPECIFICATIONS.
5. PROPERTY LINES SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION, GRADING, CLEARING, AND THE ERECTION OR REMOVAL OF FENCES ALONG PROPERTY LINES SHALL BE FULLY COORDINATED WITH ADJACENT PROPERTY OWNERS.
6. VERIFY SITE CONDITIONS PRIOR TO CONSTRUCTION. NOTIFY THE CITY OF CROSSVILLE CONSTRUCTION INSPECTION OFFICE ENGINEER OF ANY VARIATIONS PRIOR TO COMMENCEMENT OF WORK.
7. ALL GRADING WORK SHALL BE PERFORMED IN SUCH A MANNER THAT ADJACENT PROPERTIES ARE NOT DAMAGED OR ADVERSELY AFFECTED.
8. THE CONTRACTOR SHALL PROVIDE ADEQUATE AND EFFECTIVE EROSION CONTROL AS NECESSARY TO PREVENT ANY SILTATION INTO EXISTING DRAINAGE SYSTEM AND/OR ADJACENT PROPERTIES.
9. ALL EROSION CONTROL MEASURES MUST BE INSTALLED PRIOR TO COMMENCEMENT OF GRADING OPERATIONS AND BE MAINTAINED UNTIL ALL DISTURBED AREAS ON THE SITE HAVE BEEN RESTORED.
10. ALL TEMPORARY EROSION CONTROL INSTALLATIONS SHALL REMAIN IN PLACE AND BE MAINTAINED IN GOOD CONDITIONS BY THE CONTRACTOR UNTIL THE SITE HAS BEEN RE-VEGETATED, AT WHICH TIME IT SHALL BE REMOVED. FOR PROPOSED PAVED SURFACE AREAS, THE CONTRACTOR MAY REMOVE NECESSARY SILT FENCE TO CONSTRUCT ROADWAYS, WHILE MAINTAINING ADEQUATE EROSION CONTROL IN ADJACENT AREAS.
11. THE CONTRACTOR SHALL SCHEDULE SITE GRADING, UTILITY INSTALLATION AND ROADWAY CONSTRUCTION SO THAT THE GENERAL SITE CAN BE MULCHED AND RE-SEEDED SOON AFTER DISTURBANCE. ALL DISTURBED AREAS SHALL BE SEEDED AND MULCHED WITHIN 14 DAYS AFTER COMPLETION OF FINAL GRADING OR AFTER 14 DAYS OF GRADING INACTIVITY.
12. INSPECTIONS MUST BE PERFORMED BY AN EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) LEVEL 1 CERTIFIED PERSONNEL. ALL CONTROL MEASURES SHALL BE CHECKED, AND REPAIRED AS NECESSARY, TWICE WEEKLY AT LEAST 72 HOURS APART AND IN DRY PERIODS AND WITHIN 24 HOURS AFTER ANY RAINFALL OF 0.5 INCHES WITHIN A 24 HOUR PERIOD. DURING PROLONGED RAINFALL DAILY CHECKING AND REPAIRING IS NECESSARY. THE PERMITTEE SHALL MAINTAIN RECORDS OF CHECKS AND REPAIRS. A RAIN GAUGE MUST BE MAINTAINED AT THE CONSTRUCTION SITE.
13. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY ONE HALF THE HEIGHT OF THE BARRIER.
14. FABRIC SHALL BE REPLACED PROMPTLY WHEN IT DECOMPOSES OR BECOMES INEFFECTIVE.
15. ANY SEDIMENT REMAINING AFTER THE SILT FENCE OR FILTER FABRIC IS NO LONGER NEEDED SHALL BE DRESSED TO CONFORM WITH THE EXISTING GRADE, PREPARED AND SEEDED WITH THE APPROPRIATE SEED MIX, AS DIRECTED BY THE ENGINEER.
16. SILT FENCE SHALL BE REMOVED WHEN IT HAS SERVED ITS USEFUL PURPOSE, BUT NOT BEFORE THE UPWARD SLOPING AREA HAS BEEN PERMANENTLY STABILIZED.
17. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ALL REQUIRED PERMITS HAVE BEEN OBTAINED PRIOR TO BEGINNING ANY CONSTRUCTION OR OTHER ACTIVITY ON THE SITE.
18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING SOIL EROSION CONTROL MEASURES AS NOTED ON THE PLANS AND AS REQUESTED BY THE OWNER DURING CONSTRUCTION. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR SATISFYING THE REQUIREMENTS OF THE STATE OF TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION (TDEC) AS SET FORTH IN THE TENNESSEE EROSION & SEDIMENT CONTROL HANDBOOK 4TH EDITION. ALL SOIL EROSION CONTROL MEASURES SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE CONTROL, SO AS TO PREVENT ANY SEDIMENT FROM WASHING OFF THE SITE ONTO ADJACENT PROPERTY OR PUBLIC RIGHTS-OF-WAY. THE CONTRACTOR SHALL MAINTAIN A LOG OF ALL MAINTENANCE ACTIVITIES FOR THE EROSION CONTROL ELEMENTS AS REQUIRED BY TDEC.
19. A COPY OF THIS PLAN MUST BE AVAILABLE ON SITE.
20. EROSION AND SEDIMENT CONTROL MEASURES MUST BE IN PLACE AND FUNCTIONAL BEFORE EARTH MOVING OPERATIONS BEGIN, AND MUST BE CONSTRUCTED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. TEMPORARY MEASURES MAY BE REMOVED AT THE BEGINNING OF THE WORK DAY BUT MUST BE REPLACED AT THE END OF THE WORK DAY.
21. THE INTENT OF THE EROSION AND SEDIMENT CONTROL PLAN IS TO MINIMIZE THE RELEASE OF STORM WATER POLLUTANTS TO DOWNSTREAM PROPERTIES AND DRAINAGE SYSTEMS.
22. ALL DISTURBED AREAS ARE TO DRAIN TO APPROVED SEDIMENT CONTROL MEASURES AT ALL TIMES DURING LAND DISTURBING ACTIVITIES.
23. CONSTRUCTION WILL BE SEQUENCED SO THAT GRADING OPERATIONS CAN BEGIN AND END AS QUICKLY AS POSSIBLE.
24. AREAS WHICH ARE NOT TO BE DISTURBED WILL BE CLEARLY MARKED BY FENCING, FLAGS, SIGNS, ETC.
25. DURING CONSTRUCTION OF THE PROJECT, SOIL STOCKPILES SHALL BE STABILIZED OR PROTECTED WITH SEDIMENT TRAPPING MEASURES. THE APPLICANT IS RESPONSIBLE FOR THE TEMPORARY PROTECTION AND PERMANENT STABILIZATION OF ALL SOIL STOCKPILES ON SITE AS WELL AS ALL SOIL INTERNALLY TRANSPORTED FROM THE PROJECT SITE.
26. ALL STORM SEWER INLETS THAT ARE TO BE USED FOR DRAINAGE DURING CONSTRUCTION SHALL BE PROTECTED SO THAT SEDIMENT-LADEN WATER CANNOT ENTER THE CONVEYANCE SYSTEM WITHOUT FIRST BEING FILTERED OR OTHERWISE TREATED TO REMOVE SEDIMENT.
27. PERIODIC INSPECTIONS AND REQUIRED MAINTENANCE MUST BE PROVIDED, ESPECIALLY AFTER EACH SIGNIFICANT STORM. THE PROJECT SUPERINTENDENT SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL MEASURES.
28. ANY EXCAVATION, FILL, OR DISTURBANCE OF THE EXISTING GROUND ELEVATION MUST BE DONE IN ACCORDANCE WITH THE CITY OF CROSSVILLE ENGINEERING DEPARTMENT.
29. ALL CONSTRUCTION ACTIVITIES AND EROSION CONTROL METHODS SHALL COMPLY AND CONFORM TO THE TENNESSEE DEPARTMENT OF ENVIRONMENTAL CONSERVATION, DIVISION OF WATER POLLUTION CONTROL, AND THE TENNESSEE EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION STANDARDS AND SPECIFICATIONS FOR STORMWATER PERMITTING.



NOTES

AREA DISTURBED: ±3.58 ACRES



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EPSC PHASE 1

CROSSVILLE BOAT & RV STORAGE
 PREPARED FOR
 MADISON CAPITAL GROUP, LLC

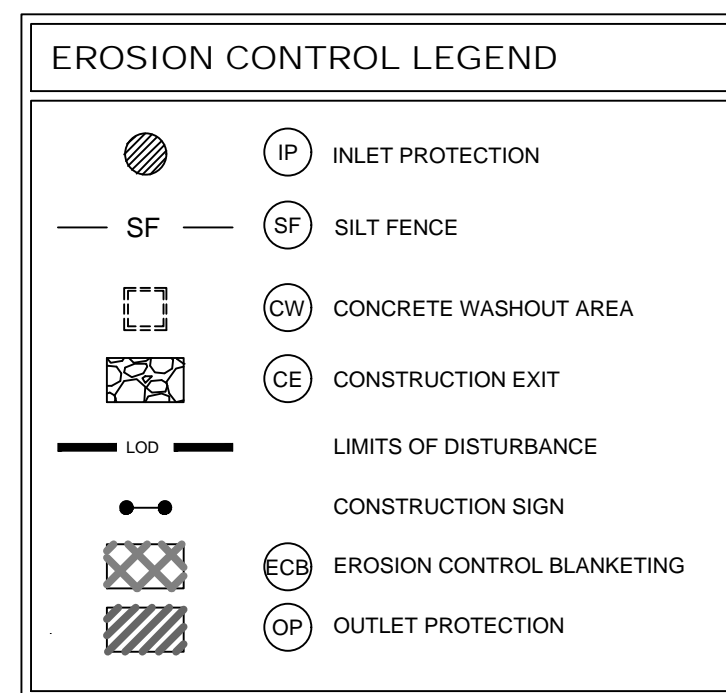
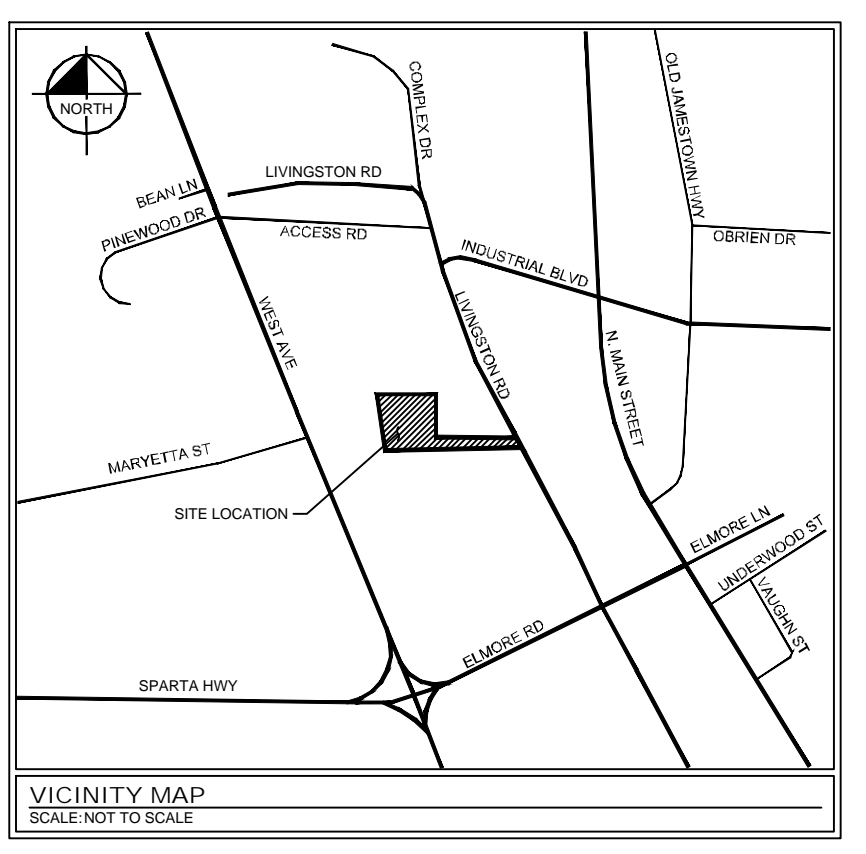
CROSSVILLE
 TENNESSEE

SHEET NUMBER
C4-00

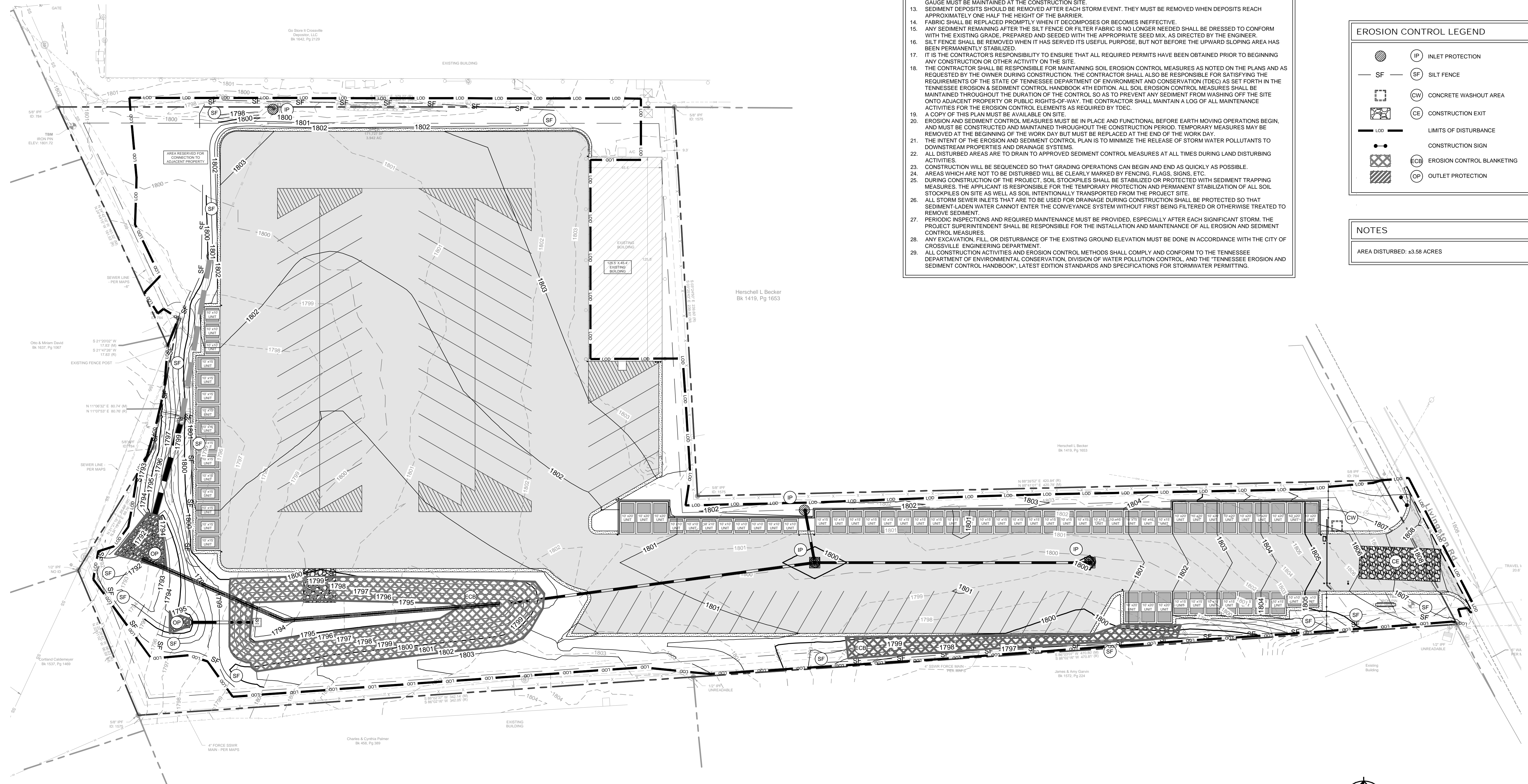
Plotted By: Ables, Fielding - Sheet: CROSSVILLE BOAT AND RV STORAGE - 013188007 - Layout: C4-10 EPSC PHASE 2 - July, 13, 2023 08:26:39am K:\VIEW\DEV\013188007 - Crossville, TN and Boat Storage CAD\Drawings\C4-10 EPSC PHASE 2.dwg
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EROSION CONTROL NOTES

1. A MINIMUM OF 24 HOURS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE CITY OF CROSSVILLE CONSTRUCTION INSPECTION OFFICE.
2. ALL NEWLY CUT OR FILLED AREA, LACKING ADEQUATE VEGETATION, SHALL BE SEEDED, MULCHED, FERTILIZED, AND/OR SOODED AS REQUIRED TO EFFECTIVELY CONTROL SOIL EROSION.
3. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL PROPERTIES.
4. ALL CONSTRUCTION MATERIALS AND PROCEDURES SHALL MEET OR EXCEED THE REQUIREMENTS OF THE CITY OF CROSSVILLE STANDARD CONSTRUCTION SPECIFICATIONS.
5. PROPERTY LINES SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION, GRADING, CLEARING, AND THE ERECTION OR REMOVAL OF FENCES ALONG PROPERTY LINES SHALL BE FULLY COORDINATED WITH ADJACENT PROPERTY OWNERS.
6. VERIFY SITE CONDITIONS PRIOR TO CONSTRUCTION. NOTIFY THE CITY OF CROSSVILLE CONSTRUCTION INSPECTION OFFICE ENGINEER OF ANY VARIATIONS PRIOR TO COMMENCEMENT OF WORK.
7. ALL GRADING WORK SHALL BE PERFORMED IN SUCH A MANNER THAT ADJACENT PROPERTIES ARE NOT DAMAGED OR ADVERSELY AFFECTED.
8. THE CONTRACTOR SHALL PROVIDE ADEQUATE AND EFFECTIVE EROSION CONTROL AS NECESSARY TO PREVENT ANY SILTATION INTO EXISTING DRAINAGE SYSTEM AND/OR ADJACENT PROPERTIES.
9. ALL EROSION CONTROL MEASURES MUST BE INSTALLED PRIOR TO COMMENCEMENT OF GRADING OPERATIONS AND BE MAINTAINED UNTIL ALL DISTURBED AREAS ON THE SITE HAVE BEEN RESTORED.
10. ALL TEMPORARY EROSION CONTROL INSTALLATIONS SHALL REMAIN IN PLACE AND BE MAINTAINED IN GOOD CONDITIONS BY THE CONTRACTOR UNTIL THE SITE HAS BEEN RE-VEGETATED, AT WHICH TIME IT SHALL BE REMOVED. FOR PROPOSED PAVED SURFACE AREAS, THE CONTRACTOR MAY REMOVE NECESSARY SILT FENCE TO CONSTRUCT ROADWAYS, WHILE MAINTAINING ADEQUATE EROSION CONTROL IN ADJACENT AREAS.
11. THE CONTRACTOR SHALL SCHEDULE SITE GRADING, UTILITY INSTALLATION AND ROADWAY CONSTRUCTION SO THAT THE GENERAL SITE CAN BE MULCHED AND RE-SEEDED SOON AFTER DISTURBANCE. ALL DISTURBED AREAS SHALL BE SEEDED AND MULCHED WITHIN 14 DAYS AFTER COMPLETION OF FINAL GRADING OR AFTER 14 DAYS OF GRADING INACTIVITY.
12. INSPECTIONS MUST BE PERFORMED BY AN EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) LEVEL 1 CERTIFIED PERSONNEL. ALL CONTROL MEASURES SHALL BE CHECKED, AND REPAIRED AS NECESSARY, TWICE WEEKLY AT LEAST 72 HOURS APART AND IN DRY PERIODS AND WITHIN 24 HOURS AFTER ANY RAINFALL OF 0.5 INCHES WITHIN A 24 HOUR PERIOD. DURING PROLONGED RAINFALL DAILY CHECKING AND REPAIRING IS NECESSARY. THE PERMITTEE SHALL MAINTAIN RECORDS OF CHECKS AND REPAIRS. A RAIN GAUGE MUST BE MAINTAINED AT THE CONSTRUCTION SITE.
13. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY ONE HALF THE HEIGHT OF THE BARRIER.
14. FABRIC SHALL BE REPLACED PROMPTLY WHEN IT DECOMPOSES OR BECOMES INEFFECTIVE.
15. ANY SEDIMENT REMAINING AFTER THE SILT FENCE OR FILTER FABRIC IS NO LONGER NEEDED SHALL BE DRESSED TO CONFORM WITH THE EXISTING GRADE, PREPARED AND SEEDED WITH THE APPROPRIATE SEED MIX, AS DIRECTED BY THE ENGINEER.
16. SILT FENCE SHALL BE REMOVED WHEN IT HAS SERVED ITS USEFUL PURPOSE, BUT NOT BEFORE THE UPWARD SLOPING AREA HAS BEEN PERMANENTLY STABILIZED.
17. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ALL REQUIRED PERMITS HAVE BEEN OBTAINED PRIOR TO BEGINNING ANY CONSTRUCTION OR OTHER ACTIVITY ON THE SITE.
18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING SOIL EROSION CONTROL MEASURES AS NOTED ON THE PLANS AND AS REQUESTED BY THE OWNER DURING CONSTRUCTION. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR SATISFYING THE REQUIREMENTS OF THE STATE OF TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION (TDEC) AS SET FORTH IN THE TENNESSEE EROSION & SEDIMENT CONTROL HANDBOOK 4TH EDITION. ALL SOIL EROSION CONTROL MEASURES SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE CONTROL, SO AS TO PREVENT ANY SEDIMENT FROM WASHING OFF THE SITE ONTO ADJACENT PROPERTIES OR PUBLIC RIGHTS-OF-WAY. THE CONTRACTOR SHALL MAINTAIN A LOG OF ALL MAINTENANCE ACTIVITIES FOR THE EROSION CONTROL ELEMENTS AS REQUIRED BY TDEC.
19. A COPY OF THIS PLAN MUST BE AVAILABLE ON SITE.
20. EROSION AND SEDIMENT CONTROL MEASURES MUST BE IN PLACE AND FUNCTIONAL BEFORE EARTH MOVING OPERATIONS BEGIN, AND MUST BE CONSTRUCTED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. TEMPORARY MEASURES MAY BE REMOVED AT THE BEGINNING OF THE WORK DAY BUT MUST BE REPLACED AT THE END OF THE WORK DAY.
21. THE INTENT OF THE EROSION AND SEDIMENT CONTROL PLAN IS TO MINIMIZE THE RELEASE OF STORM WATER POLLUTANTS TO DOWNSTREAM PROPERTIES AND DRAINAGE SYSTEMS.
22. ALL DISTURBED AREAS ARE TO DRAIN TO APPROVED SEDIMENT CONTROL MEASURES AT ALL TIMES DURING LAND DISTURBING ACTIVITIES.
23. CONSTRUCTION WILL BE SEQUENCED SO THAT GRADING OPERATIONS CAN BEGIN AND END AS QUICKLY AS POSSIBLE.
24. AREAS WHICH ARE NOT TO BE DISTURBED WILL BE CLEARLY MARKED BY FENCING, FLAGS, SIGNS, ETC.
25. DURING CONSTRUCTION OF THE PROJECT, SOIL STOCKPILES SHALL BE STABILIZED OR PROTECTED WITH SEDIMENT TRAPPING MEASURES. THE APPLICANT IS RESPONSIBLE FOR THE TEMPORARY PROTECTION AND PERMANENT STABILIZATION OF ALL SOIL STOCKPILES ON SITE AS WELL AS ALL SOIL TEMPORARILY TRANSPORTED FROM THE PROJECT SITE.
26. ALL STORM SEWER INLETS THAT ARE TO BE USED FOR DRAINAGE DURING CONSTRUCTION SHALL BE PROTECTED SO THAT SEDIMENT-LADEN WATER CANNOT ENTER THE CONVEYANCE SYSTEM WITHOUT FIRST BEING FILTERED OR OTHERWISE TREATED TO REMOVE SEDIMENT.
27. PERIODIC INSPECTIONS AND REQUIRED MAINTENANCE MUST BE PROVIDED, ESPECIALLY AFTER EACH SIGNIFICANT STORM. THE PROJECT SUPERINTENDENT SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL MEASURES.
28. ANY EXCAVATION, FILL OR DISTURBANCE OF THE EXISTING GROUND ELEVATION MUST BE DONE IN ACCORDANCE WITH THE CITY OF CROSSVILLE ENGINEERING DEPARTMENT.
29. ALL CONSTRUCTION ACTIVITIES AND EROSION CONTROL METHODS SHALL COMPLY AND CONFORM TO THE TENNESSEE DEPARTMENT OF ENVIRONMENTAL CONSERVATION, DIVISION OF WATER POLLUTION CONTROL, AND THE TENNESSEE EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION STANDARDS AND SPECIFICATIONS FOR STORMWATER PERMITTING.



NOTES
 AREA DISTURBED: 43.58 ACRES



No.	REVISIONS	DATE	BY

Kimley-Horn
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RHA PROJECT: 013188007
 DATE: 07/13/2023
 SCALE: AS SHOWN
 DESIGNED BY: SFA
 DRAWN BY: SFA
 CHECKED BY: CDW

**CROSSVILLE BOAT & RV STORAGE
 PREPARED FOR
 MADISON CAPITAL GROUP, LLC**
 CROSSVILLE, TENNESSEE

SHEET NUMBER
C4-10

Plotted By: Abiles, Fielding - Sheet - Set: CROSSVILLE BOAT AND RV STORAGE - 013188007 - Layout: C5-00 CONSTRUCTION DETAILS - July 13, 2023 - 08:26:59am - K:\MEW_LDEXX\013188007 - Crossville RV and Boat Storage CAD Plansheets\C4-20 EPSC DETAILS.dwg
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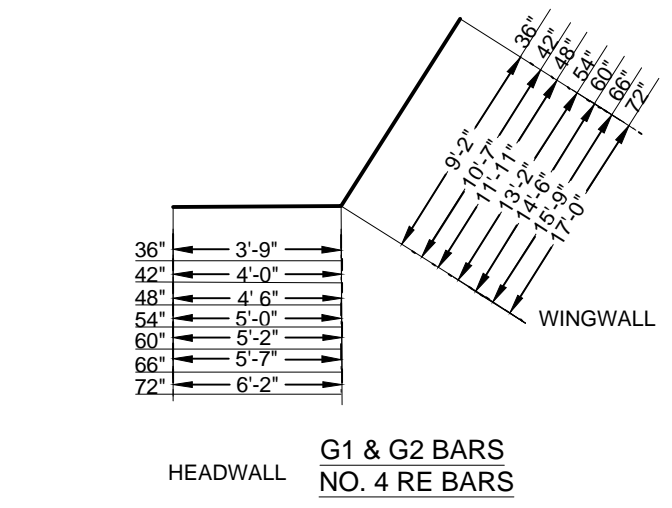
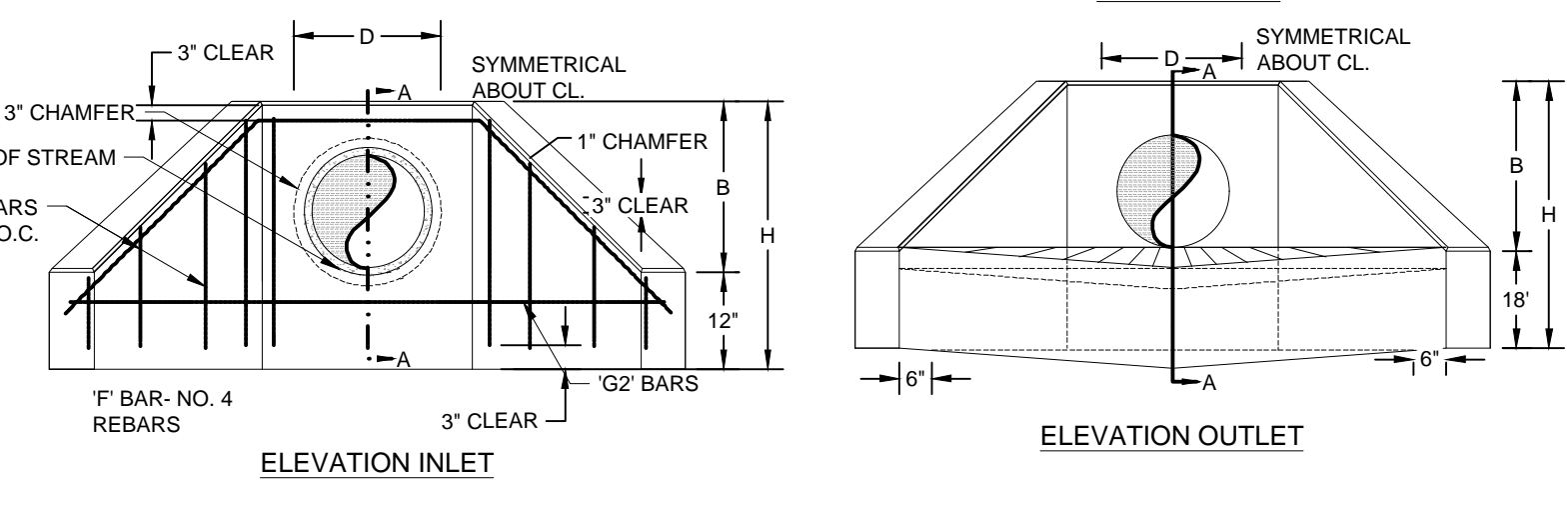
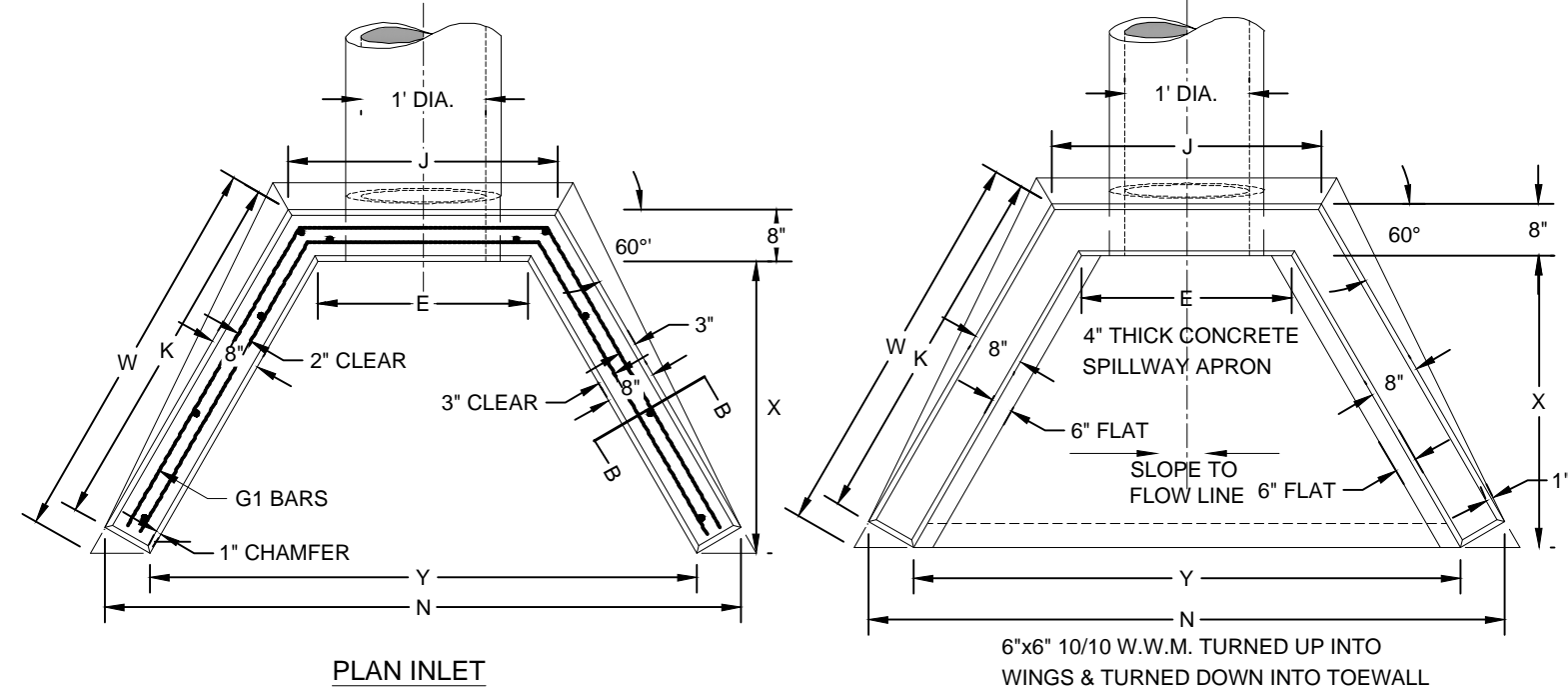
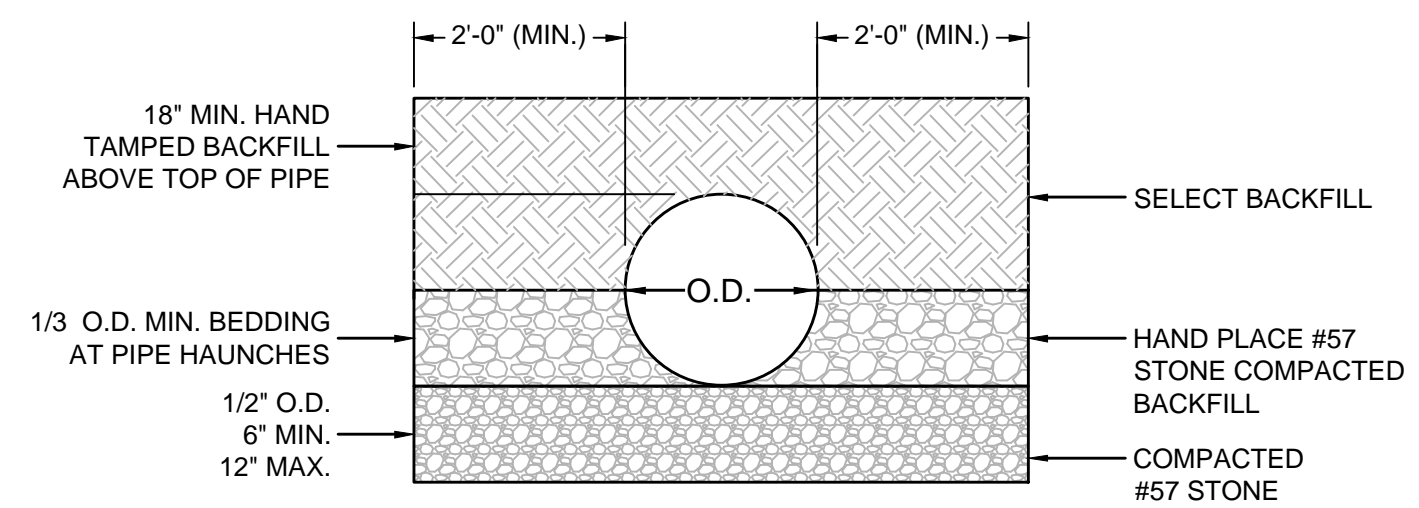


TABLE OF DIMENSION AND DIAMETERS													
DIA.	15"	18"	21"	24"	30"	36"	42"	48"	54"	60"	66"	72"	
B	1'11 1/2"	2'2 1/4"	2'5 1/2"	2'8 1/2"	3'3"	3'9 1/2"	4'4"	4'10 1/2"	5'5"	6'0"	6'6 1/2"	7'1"	
D	1'3 1/4"	1'10 1/4"	2'1 1/4"	2'5"	3'0"	3'7 1/4"	4'2"	4'9 1/4"	5'4"	6'0"	6'7 1/4"	7'2 1/4"	
E	1'9 1/8"	2'0 3/8"	2'3 1/8"	2'7"	3'2"	3'9 1/8"	4'4"	4'10 3/8"	5'6"	6'2"	6'9 1/8"	7'4 1/8"	
H	3'1 1/4"	3'4 1/4"	3'7 1/4"	3'11 1/4"	4'6"	5'1 1/4"	5'6 1/4"	6'3 1/4"	6'10 1/4"	7'6 1/4"	8'1 1/4"	8'8 1/4"	
J	2'7 1/4"	2'10 1/4"	3'1 1/4"	3'5 1/4"	4'0 1/4"	4'5 1/4"	5'0 1/4"	5'5 1/4"	6'0 1/4"	6'5 1/4"	7'0 1/4"	7'5 1/4"	
K	4'10 1/4"	5'5 1/4"	6'0 1/4"	6'5 1/4"	7'1 1/4"	7'7 1/4"	8'2 1/4"	8'8 1/4"	9'3 1/4"	9'9 1/4"	10'4 1/4"	10'9 1/4"	
N	7'11 1/4"	8'6 1/4"	9'1 1/4"	9'6 1/4"	10'1 1/4"	10'6 1/4"	11'1 1/4"	11'6 1/4"	12'1 1/4"	12'6 1/4"	13'1 1/4"	13'6 1/4"	
W	5'3 1/4"	5'11 1/4"	6'5 1/4"	7'1 1/4"	8'4 1/4"	9'2 1/4"	10'10 1/4"	11'10 1/4"	12'10 1/4"	13'4 1/4"	14'8 1/4"	15'11 1/4"	
X	3'10 1/4"	4'4 1/4"	4'10 1/4"	5'5 1/4"	6'6"	7'7"	8'8"	9'9"	10'10"	12'0"	13'1"	14'2"	
Y	3'2 1/4"	3'7 1/4"	4'1 1/4"	4'6 1/4"	5'1 1/4"	5'6 1/4"	6'1 1/4"	6'6 1/4"	7'1 1/4"	7'6 1/4"	8'1 1/4"	8'6 1/4"	

NOTE: THIS TABLE OF DIMENSIONS IS FOR 2:1 CONSTRUCTION SLOPE.

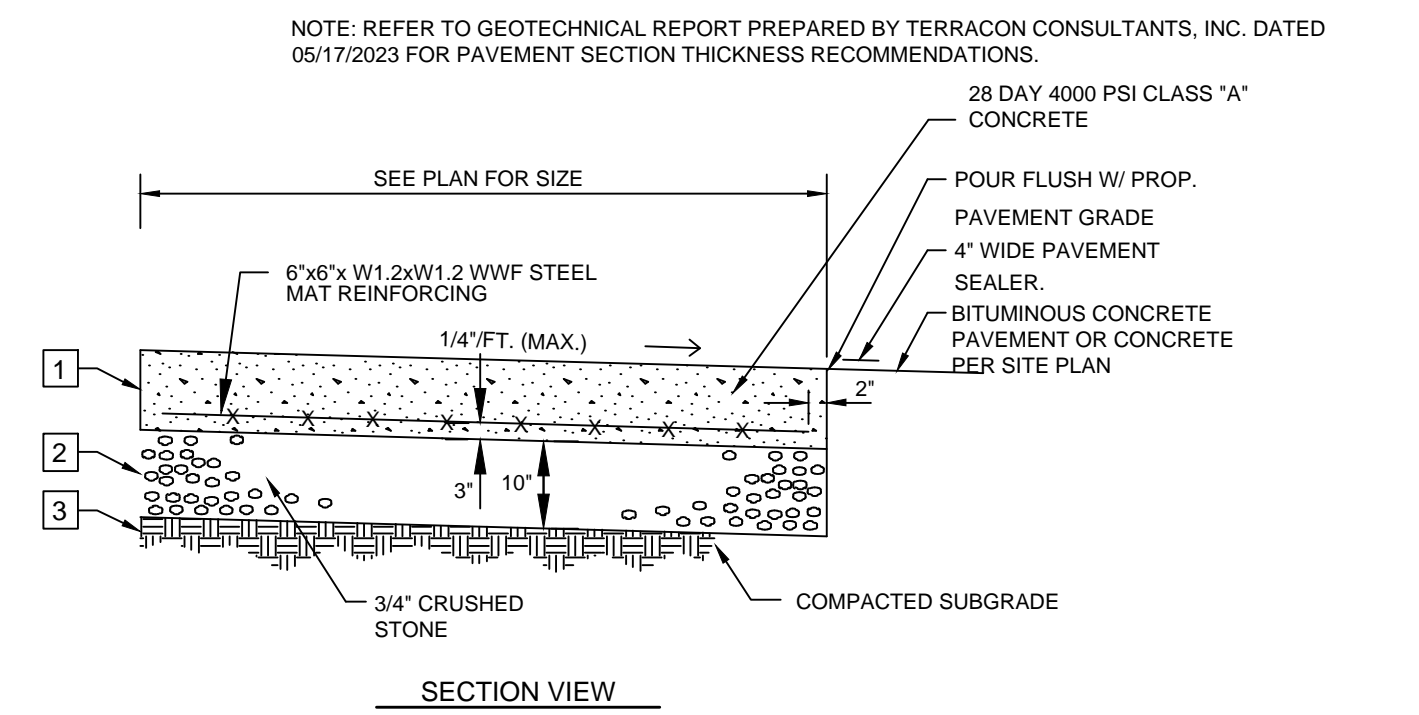
1 CONCRETE HEADWALL
NOT TO SCALE

NOTES:
RIGHT WING LOOKING INTO PIPE,
LEFT WING OPPOSITE HAND.
CONCRETE TO BE CLASS 'A'



CLASS 'B' PIPE BEDDING

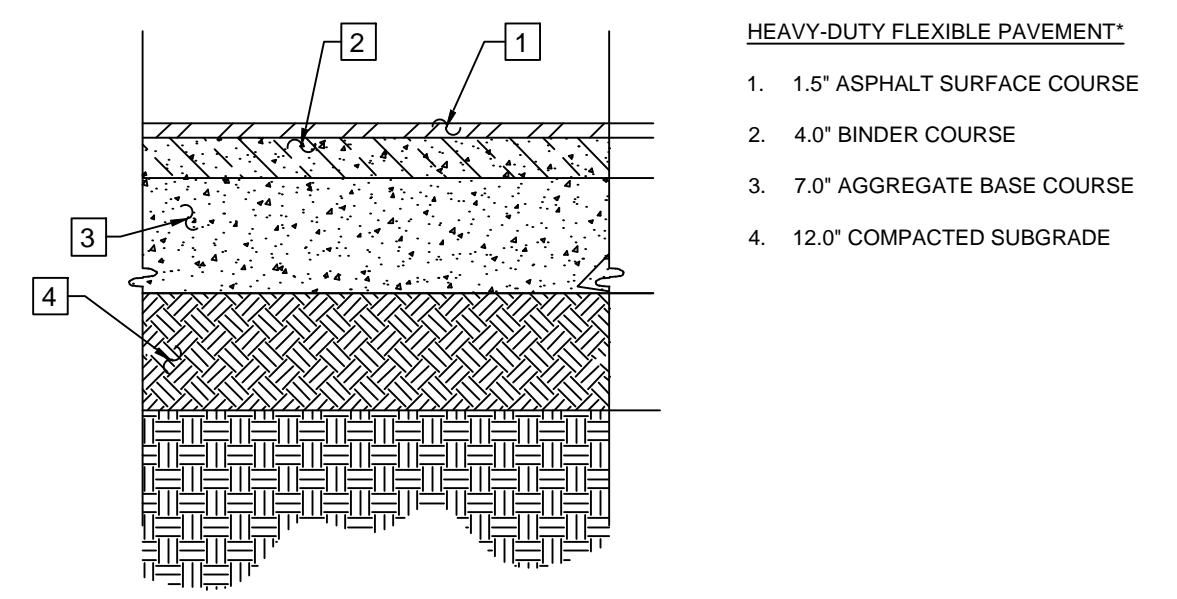
2 TYPICAL RCP BEDDING
NOT TO SCALE



HEAVY-DUTY RIGID PAVEMENT:
1. 6.0" PORTLAND CEMENT CONCRETE
2. 4.0" AGGREGATE BASE
3. 12.0" COMPACTED SUBGRADE

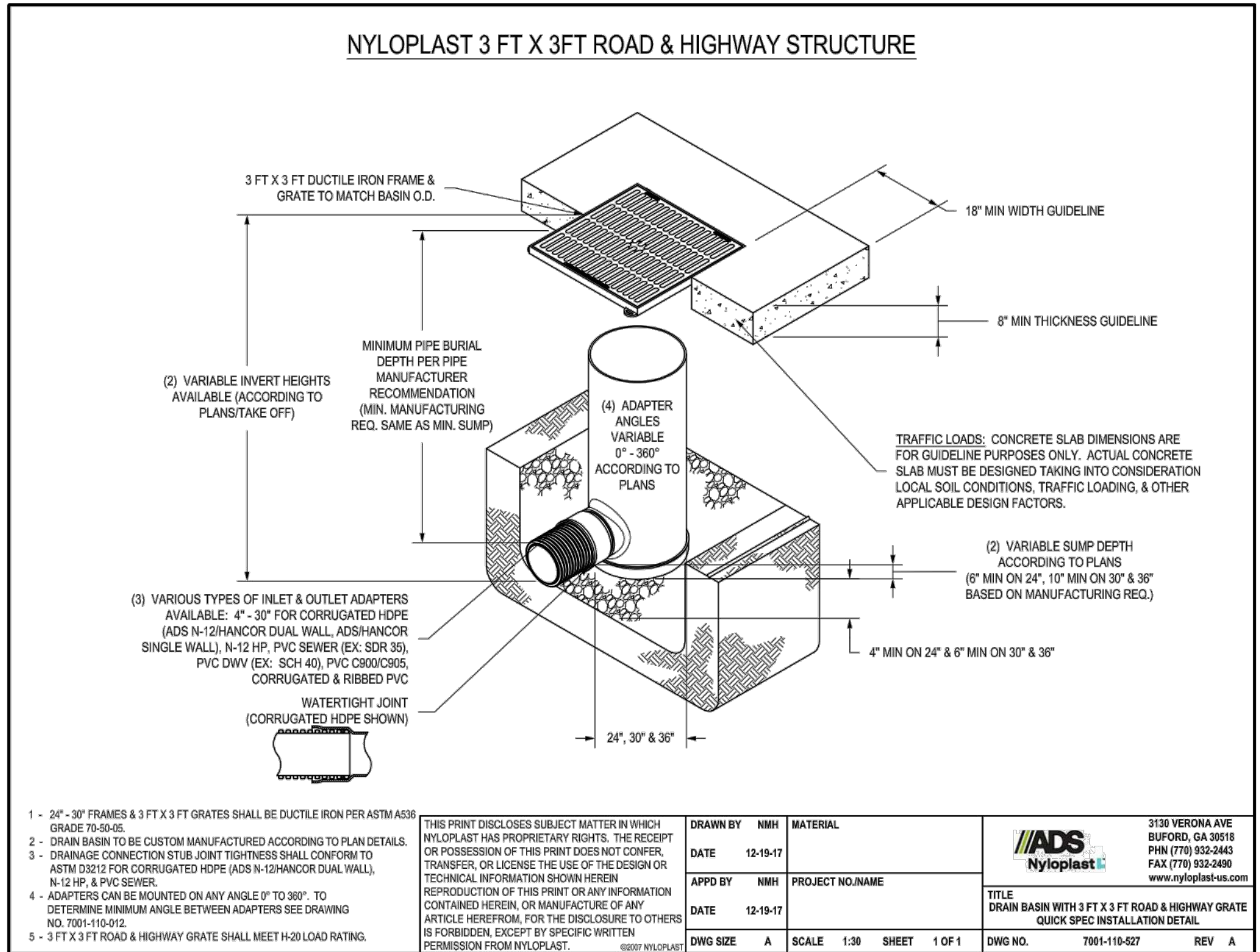
4 TYPICAL CONCRETE PAVEMENT SECTION
NOT TO SCALE

NOTE: REFER TO GEOTECHNICAL REPORT PREPARED BY TERRACON CONSULTANTS, INC. DATED 05/17/2023 FOR PAVEMENT SECTION THICKNESS RECOMMENDATIONS.

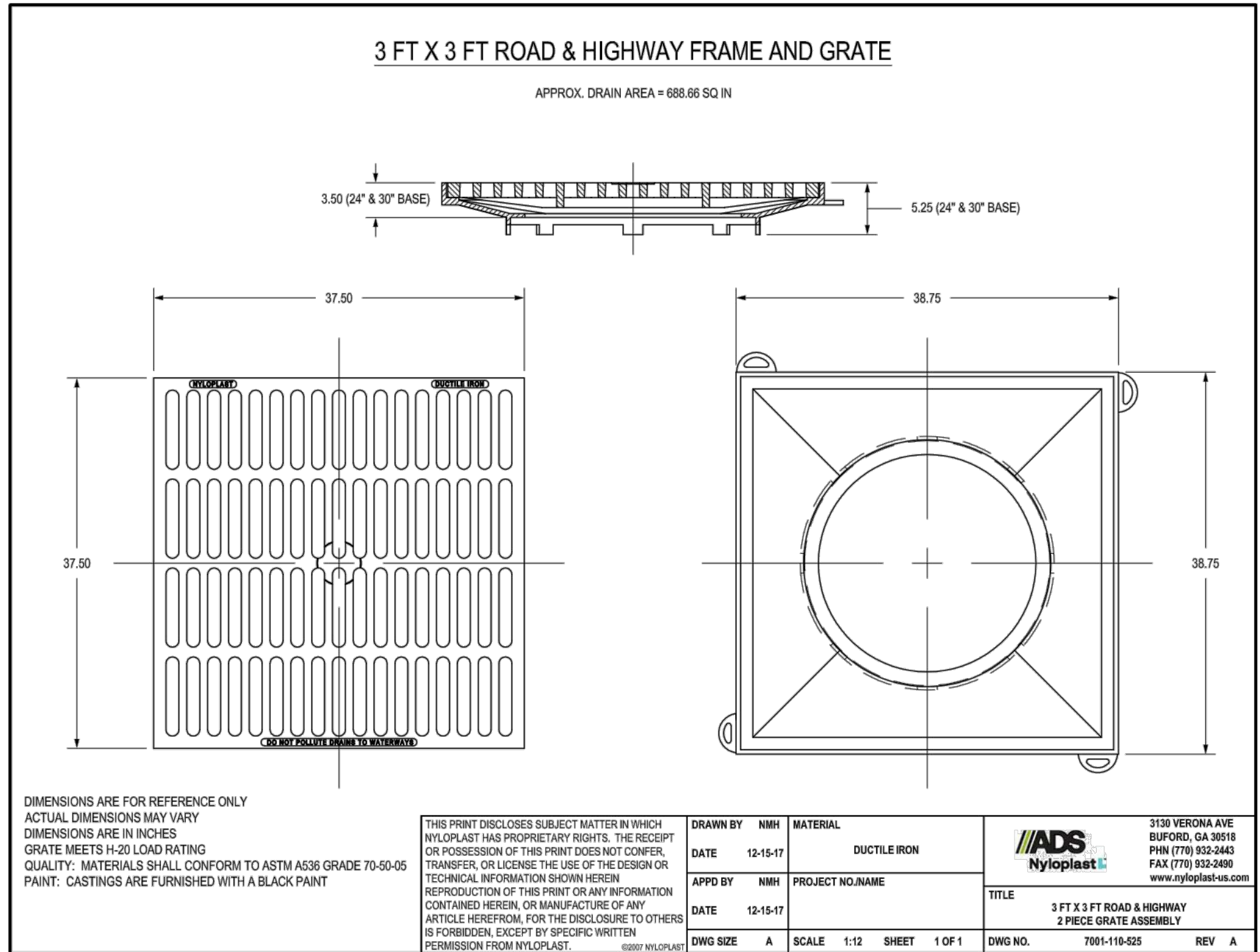


*ALL MATERIALS SHOULD MEET THE CURRENT TENNESSEE DEPARTMENT OF TRANSPORTATION (TDOT) STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION. ASPHALTIC SURFACE - TDOT 411 GRADING D SURFACE, PG 72-22. THIS MIX SHOULD BE POLYMER MODIFIED. REFER TO SECTION 411, 407 AND 903.11 FOR THE ASPHALTIC CONCRETE SURFACE (HMA) AND AGGREGATE FOR ASPHALTIC CONCRETE SURFACE COURSES (HOT MIX) SPECIFICATIONS RESPECTIVELY.

3 TYPICAL ASPHALT PAVEMENT SECTION
NOT TO SCALE



1 - 24" - 30" FRAMES & 3 FT X 3 FT GRATES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.	THIS PRINT DISCLOSES SUBJECT MATTER IN WHICH NYLOPLAST HAS PROPRIETARY RIGHTS. THE RECEIPT OR POSSESSION OF THIS PRINT DOES NOT CONFER, TRANSFER, OR LICENSE THE USE OF THE DESIGN OR TECHNICAL INFORMATION SHOWN HEREIN.	DRAWN BY: NMH	MATERIAL: DUCTILE IRON	3128 VERONA AVE BUDFORD, GA 30516 PHN (770) 932-2442 FAX (770) 932-3489 www.nyloplast.com
2 - DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS.	REPRODUCTION OF THIS PRINT OR ANY INFORMATION CONTAINED HEREIN, OR MANUFACTURE OF ANY ARTICLE HEREFROM, FOR THE DISCLOSURE TO OTHERS IS FORBIDDEN, EXCEPT BY SPECIFIC WRITTEN PERMISSION FROM NYLOPLAST.	DATE: 12-15-17	PROJECT NO. NAME: NYLOPLAST	
3 - DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D2022 FOR CORRUGATED HDPE (ADS N-12 HANCOR DUAL WALL, N-12 H-12 HANCOR SINGLE WALL), N-12 H-12 HANCOR PVC SEWER (EX: SCH 30), PVC DWV (EX: SCH 40), PVC CR80/CR35, CORRUGATED & RIBBED PVC.		APPROVED BY: NMH	TITLE: DRAIN BASIN WITH 3 FT X 3 FT ROAD & HIGHWAY GRATE QUICK SPEC INSTALLATION DETAIL	
4 - ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360° TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS SEE DRAWING NO. 7001-110-012.		DATE: 12-15-17	DWG NO. 7001-110-027	REV. A
5 - 3 FT X 3 FT ROAD & HIGHWAY GRATE SHALL MEET H-20 LOAD RATING.		DWG SIZE: A	SCALE: 1:30	SHEET: 1 OF 1

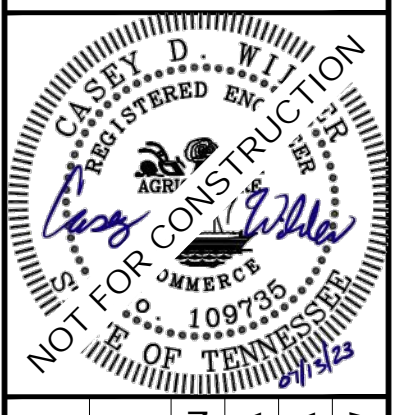


1 - 24" - 30" FRAMES & 3 FT X 3 FT GRATES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.	THIS PRINT DISCLOSES SUBJECT MATTER IN WHICH NYLOPLAST HAS PROPRIETARY RIGHTS. THE RECEIPT OR POSSESSION OF THIS PRINT DOES NOT CONFER, TRANSFER, OR LICENSE THE USE OF THE DESIGN OR TECHNICAL INFORMATION SHOWN HEREIN.	DRAWN BY: NMH	MATERIAL: DUCTILE IRON	3128 VERONA AVE BUDFORD, GA 30516 PHN (770) 932-2442 FAX (770) 932-3489 www.nyloplast.com
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3 - DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D2022 FOR CORRUGATED HDPE (ADS N-12 HANCOR DUAL WALL, N-12 H-12 HANCOR SINGLE WALL), N-12 H-12 HANCOR PVC SEWER (EX: SCH 30), PVC DWV (EX: SCH 40), PVC CR80/CR35, CORRUGATED & RIBBED PVC.		APPROVED BY: NMH	TITLE: 3 FT X 3 FT ROAD & HIGHWAY 2 PIECE GRATE ASSEMBLY	
4 - ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360° TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS SEE DRAWING NO. 7001-110-012.		DATE: 12-15-17	DWG NO. 7001-110-025	REV. A
5 - 3 FT X 3 FT ROAD & HIGHWAY GRATE SHALL MEET H-20 LOAD RATING.		DWG SIZE: A	SCALE: 1:12	SHEET: 1 OF 1

5 NYOPLAST DRIVE AISLE INLET AND GRATE
NOT TO SCALE

NO.	REVISIONS	DATE	BY

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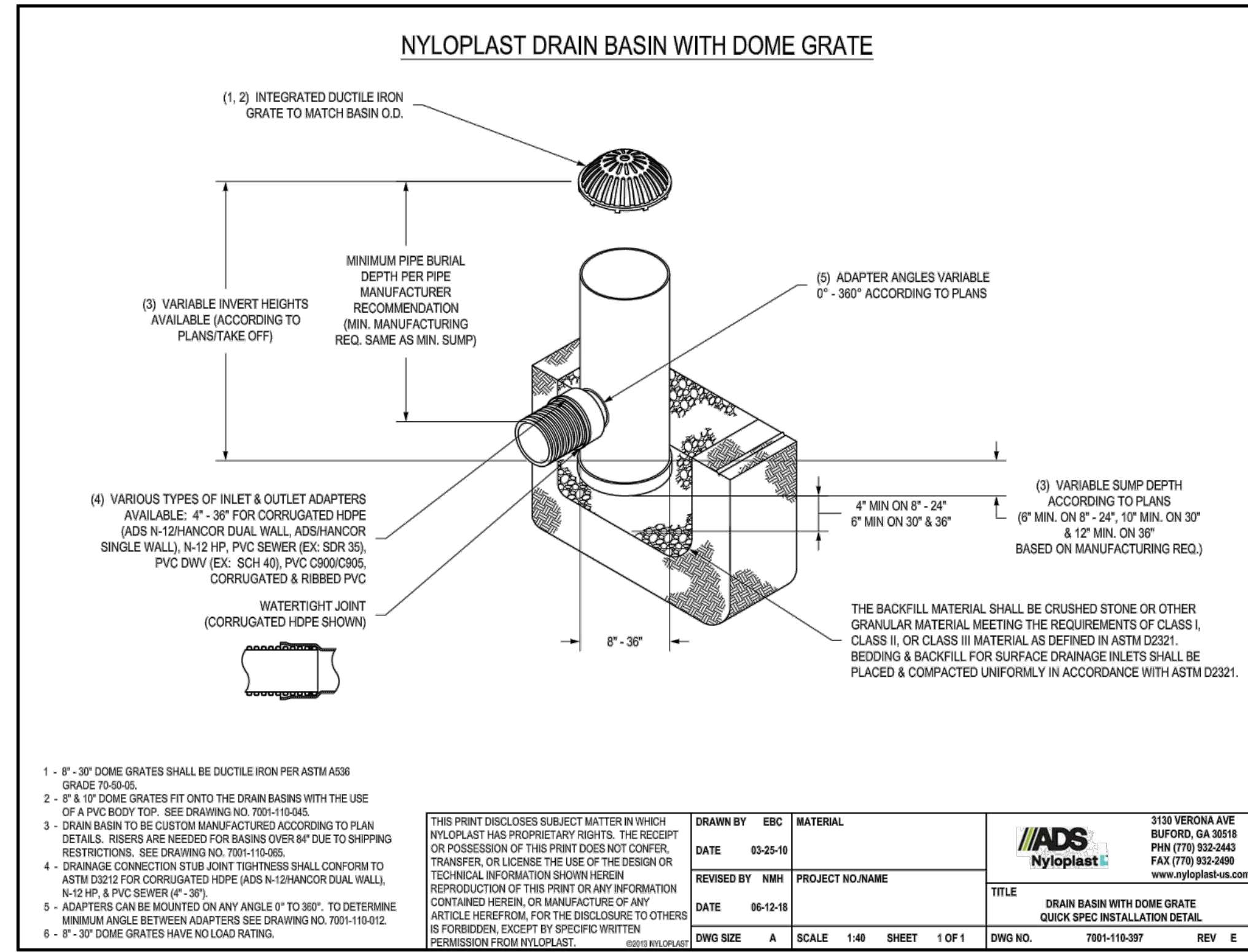
KHA PROJECT: 013188007	DATE: 07/13/2023	SCALE: AS SHOWN	DESIGNED BY: SFA	DRAWN BY: SFA	CHECKED BY: CDW
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CONSTRUCTION DETAILS

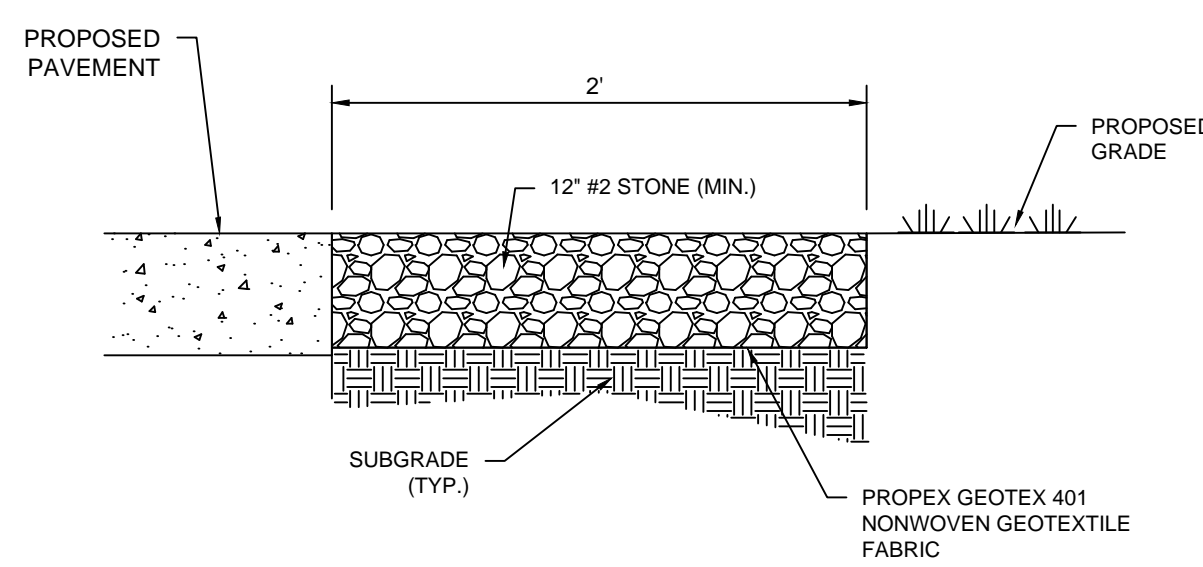
CROSSVILLE BOAT & RV STORAGE
PREPARED FOR
MADISON CAPITAL GROUP, LLC
CROSSVILLE, TENNESSEE



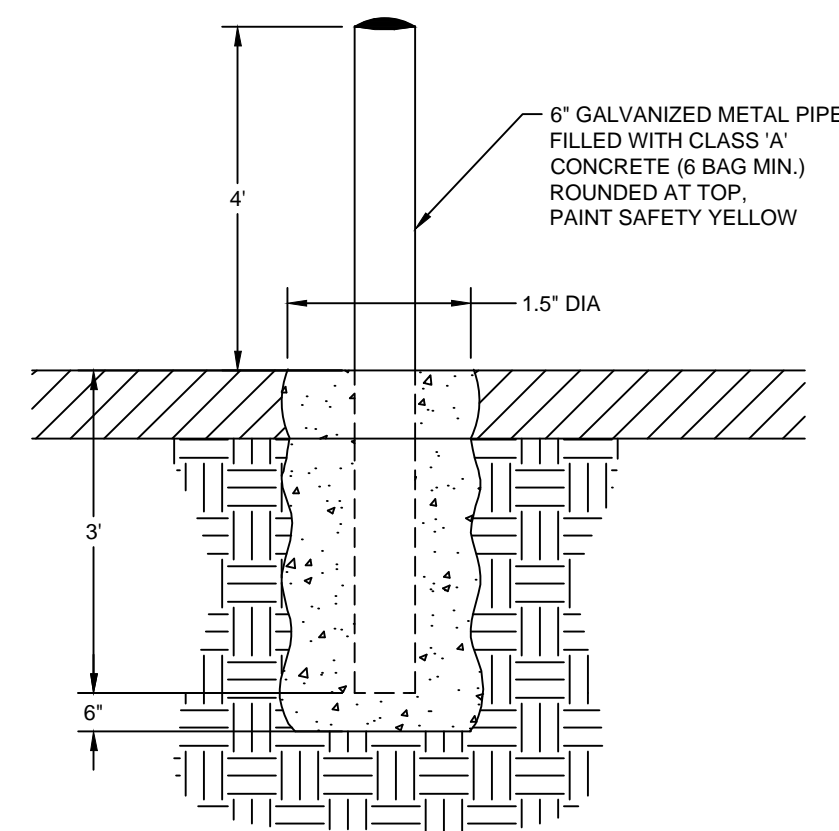
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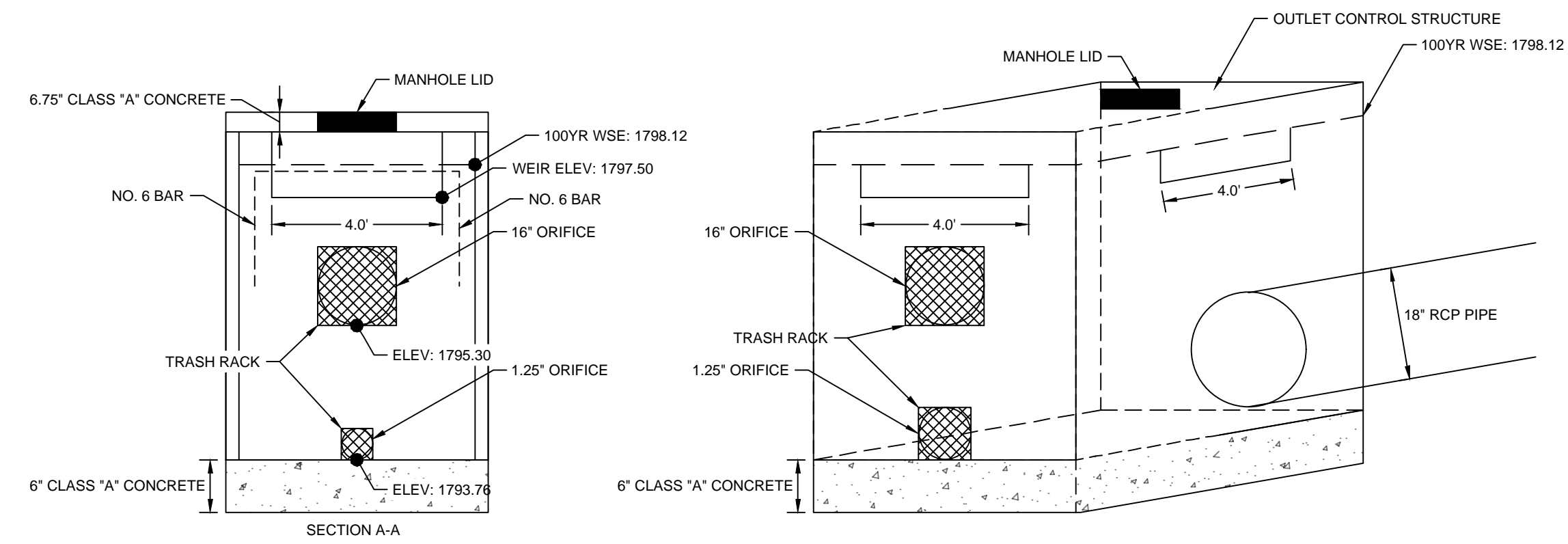
1 NYOPLAST DOME YARD INLET AND CATCH BASIN
NOT TO SCALE



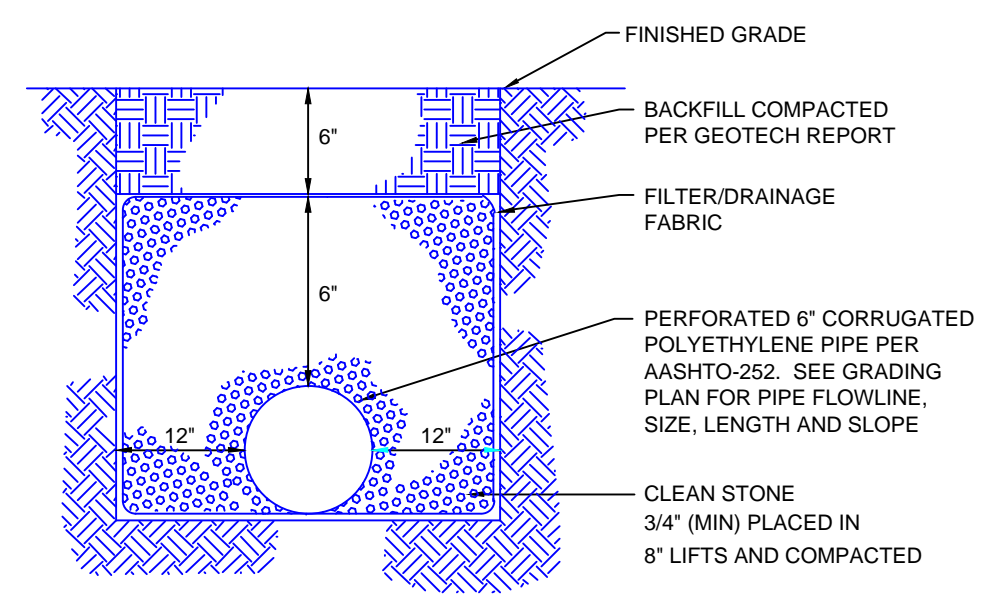
3 PAVEMENT EDGE GRAVEL SHOULDER
NOT TO SCALE



4 BOLLARD DETAIL
NOT TO SCALE



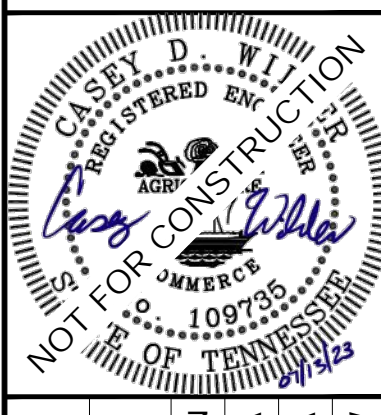
2 OUTLET CONTROL STRUCTURE
NOT TO SCALE



5 FRENCH DRAIN
NOT TO SCALE

NO.	REVISIONS	DATE	BY

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 WWW.KIMLEY-HORN.COM



KHA PROJECT	013188007
DATE	07/13/2023
SCALE	AS SHOWN
DESIGNED BY	SFA
DRAWN BY	SFA
CHECKED BY	CDW

**CONSTRUCTION
DETAILS**

CROSSVILLE BOAT & RV STORAGE
 PREPARED FOR
 MADISON CAPITAL GROUP, LLC
 CROSSVILLE
 TENNESSEE

SHEET NUMBER
C5-01



NOT FOR
CONSTRUCTION