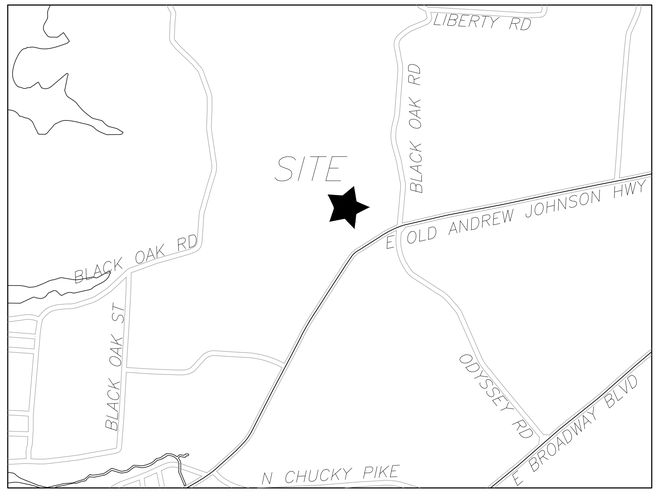
SITE DEVELOPMENT PLANS

U.E.I. PROJECT NO. 2505010

CANNONS CROSSING S/D

SITE ADDRESS: 412 EASST OLD A.J. HIGHWAY, JEFFERSON CITY, TENNESSEE 37760
TAX MAP: 15, PARCEL: 10.00



OWNER:
CRAFTED MILESTONE, LLC
296 BOYDS SCHOOL ROAD
MORRISTOWN, TN 37813

SITE ENGINEER:
URBAN ENGINEERING, INC.
CHRIS SHARP
10330 HARDIN VALLEY RD, #201
KNOXVILLE, TENNESSEE 37932
(865) 966-1924

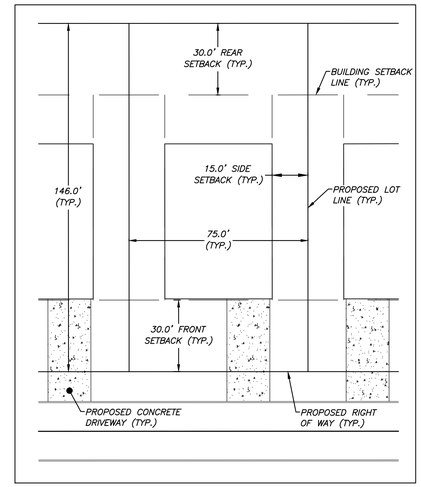
SPECIFICATIONS

EXCEPT WHERE DIRECTED OTHERWISE BY THE PLANS, WORKMANSHIP AND MATERIAL (BUT NOT MEASUREMENT AND PAYMENT) FOR THIS PROJECT SHALL BE IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS AND STANDARDS.

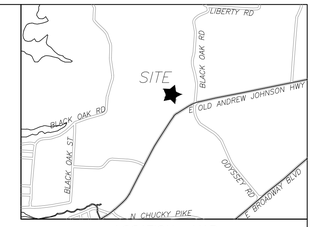
ELECTRICAL	– AS DIRECTED APPALACHIAN ELECTRIC
GAS	– AS DIRECTED BY JEFFERSON–COCKE COUNTY U.D.
WATER & SEWER	– AS DIRECTED BY JEFFERSON CITY UTILITIES
TELEPHONE	– AS DIRECTED BY AT&T
CABLE	– AS DIRECTED BY COMCAST
SITE DEVELOPMENT	– JEFFERSON CITY STANDARDS AND SPECIFICATIONS

SHEET INDEX

ISSUE NO.	DATE	DESCRIPTION
1	6/4/25	SUBMITTAL 1



TYPICAL LOT DETAIL
SINGLE FAMILY HOME
SCALE: 1"=30'



LOCATION MAP

SITE PLAN NOTES:

1. THIS PROPERTY IS ZONED 'R-1'. REQUIRED BUILDING SETBACKS ARE AS FOLLOWS:

   FRONT: THIRTY (30) FEET

   SIDE: FIFTEEN (15) FEET

   REAR: THIRTY (30) FEET

2. THE LOCATIONS OF ALL UNDERGROUND UTILITIES SHOWN HEREON ARE APPROXIMATE AND ARE BASED ON FIELD LOCATION OF VISIBLE STRUCTURES SUCH AS CATCH BASINS, MANHOLES, WATER VALVES, ETC., AND COMPILING INFORMATION FROM PLANS SUPPLIED BY VARIOUS UTILITY COMPANIES AND GOVERNMENT AGENCIES. THE CONTRACTORS SHALL NOTIFY IN WRITING ALL UTILITY COMPANIES AND GOVERNMENT AGENCIES AND ALSO CALL TENN ONE-CALL PRIOR TO ANY EXCAVATION WORK, TO VERIFY INFORMATION SHOWN AND DETERMINE THE LAYOUT OF THE IRRIGATION SYSTEM AND IF ADDITIONAL IMPROVEMENTS MAY EXIST.

3. HORIZONTAL COORDINATES ARE TENNESSEE STATE PLANE. VERTICAL DATUM IS NAVD88.

4. ALL WORK SHALL BE IN ACCORDANCE WITH JEFFERSON CITY'S SPECIFICATIONS FOR SITE DEVELOPMENT.

5. THE TOTAL AREA OF THE DEVELOPMENT IS 32.477± ACRES.

6. THE PROPOSED LOTS SHALL HAVE VEHICULAR ACCESS TO INTERNAL ROADS ONLY.

7. A HOMEOWNERS ASSOCIATION SHALL BE ESTABLISHED TO ADDRESS MAINTENANCE OF THE COMMON AREAS.

8. 10' UTILITY AND DRAINAGE EASEMENTS SHALL BE RESERVED ALONG ALL EXTERIOR BOUNDARY LINES AND PUBLIC RIGHT OF WAY. 5' UTILITY AND DRAINAGE EASEMENTS SHALL BE RESERVED ALONG ALL INTERIOR LOT LINES.

9. SEE THIS SHEET FOR LOCAL STREETS TYPICAL SECTION.

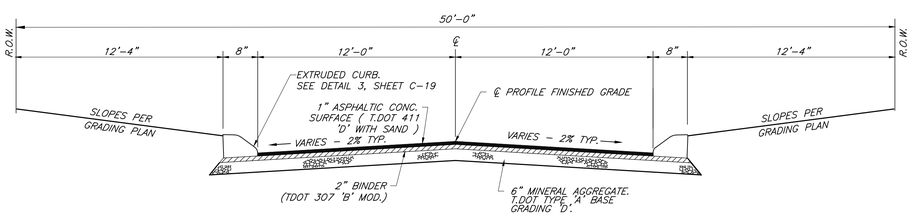
DEMOLITION PLAN NOTES:

1. THE LOCATIONS OF ALL UNDERGROUND UTILITIES SHOWN HEREON ARE APPROXIMATE AND ARE BASED ON FIELD LOCATION OF VISIBLE STRUCTURES SUCH AS CATCH BASINS, MANHOLES, WATER VALVES, ETC., AND COMPILING INFORMATION FROM PLANS SUPPLIED BY VARIOUS UTILITY COMPANIES AND GOVERNMENT AGENCIES. THE CONTRACTORS SHALL NOTIFY IN WRITING ALL UTILITY COMPANIES AND GOVERNMENT AGENCIES AND ALSO CALL TENN ONE-CALL PRIOR TO ANY EXCAVATION WORK, TO VERIFY INFORMATION SHOWN AND DETERMINE THE LAYOUT OF THE IRRIGATION SYSTEM AND IF ADDITIONAL IMPROVEMENTS MAY EXIST.

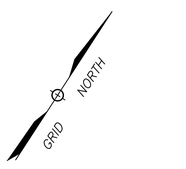
2. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL FEATURES THAT ARE BOLD ON THIS SHEET. THE CONTRACTOR IS RESPONSIBLE FOR DISPOSAL FEES IF APPLICABLE.

3. BUILDINGS SHALL BE REMOVED TO THE BOTTOMS OF THEIR FOUNDATIONS. UNLESS OTHERWISE DIRECTED BY THE UTILITY OWNER, ALL UTILITY SERVICES SHALL BE REMOVED TO THE PROPOSED RIGHT OF WAY LINE. THE CONTRACTOR SHALL COORDINATE THE REMOVAL/RELOCATION OF THE SERVICE LINES WITH THE RESPECTIVE UTILITY OWNER.

4. THE CONTRACTOR IS RESPONSIBLE FOR ATTAINING BUILDING DEMOLITION PERMITS, IF REQUIRED.



TYPICAL SECTION - LOCAL STREETS
N.T.S.



GRAPHIC SCALE
100 0 100 200

REFERENCE:
DEED BOOK: 363, PAGE: 92

REVISION	DATE	DESCRIPTION	BY

SHEET C-1

KEY SHEET / TYPICAL SECTION / DEMOLITION PLAN

CANNONS CROSSING S/D

SITE ADDRESS: 412 EAST OLD A.J. HIGHWAY (37760)

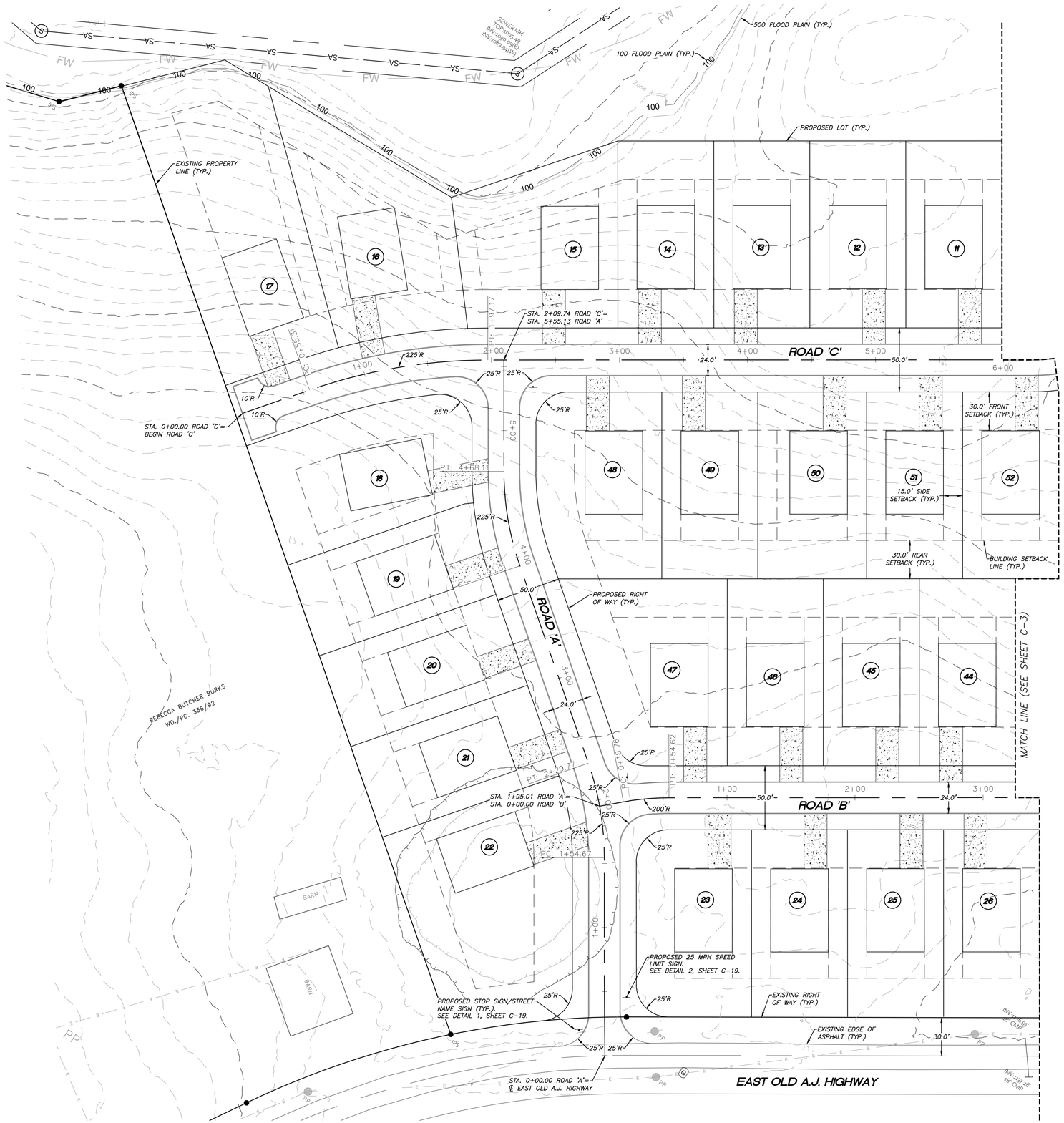
DEVELOPER:
CRAFTED MILESTONE, LLC
296 BOYDS SCHOOL ROAD
MORRISTOWN, TN 37813

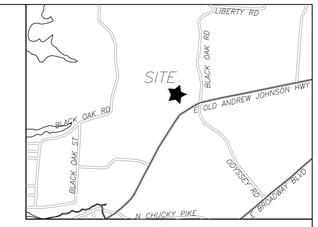
DIST NO. 04 — JEFFERSON CITY, TN
TAX MAP: 15 — PARCEL: 10.00
SCALE: 1"=100' — JUNE 4, 2025

URBAN ENGINEERING, INC.
10330 HARDIN VALLEY RD, #201
KNOXVILLE, TENNESSEE 37932
(865) 966-1924

DWN: CLM | CHK: CAS | DWG. NO. 2505010

Tennessee811





LOCATION MAP

SITE PLAN NOTES:

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3. HORIZONTAL COORDINATES ARE TENNESSEE STATE PLANE. VERTICAL DATUM IS NAVD88.

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5. THE TOTAL AREA OF THE DEVELOPMENT IS 32.477± ACRES.

6. THE PROPOSED LOTS SHALL HAVE VEHICULAR ACCESS TO INTERNAL ROADS ONLY.

7. A HOMEOWNERS ASSOCIATION SHALL BE ESTABLISHED TO ADDRESS MAINTENANCE OF THE COMMON AREAS.

8. 10' UTILITY AND DRAINAGE EASEMENTS SHALL BE RESERVED ALONG ALL EXTERIOR BOUNDARY LINES AND PUBLIC RIGHT OF WAY. 5' UTILITY AND DRAINAGE EASEMENTS SHALL BE RESERVED ALONG ALL INTERIOR LOT LINES.

9. SEE SHEET C-1 FOR LOCAL STREETS TYPICAL SECTION.

REFERENCE:
DEED BOOK: 363, PAGE: 92

GRID NORTH

GRAPHIC SCALE
40 0 40 80

CHRISTOPHER A. SHAW
REGISTERED ENGINEER
NO. 0010956
COMMERCIAL
STATE OF TENNESSEE
6-4-25

SHEET C-2

SITE PLAN

CANNONS CROSSING S/D

SITE ADDRESS: 412 EAST OLD A.J. HIGHWAY (37760)

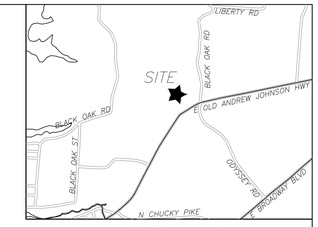
DEVELOPER:
CRAFTED MILESTONE, LLC
296 BOYDS SCHOOL ROAD
MORRISTOWN, TN 37813

DIST NO. 04 — JEFFERSON CITY, TN
TAX MAP: 15 — PARCEL: 10.00
SCALE: 1"=40' — JUNE 4, 2025

URBAN ENGINEERING, INC.
10330 HARDIN VALLEY RD, #201
KNOXVILLE, TENNESSEE 37932
(865) 966-1924

REVISION	DATE	DESCRIPTION	BY

DWN: CLM | CHK: CAS | DWG. NO. 2505010



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9. SEE SHEET C-1 FOR LOCAL STREETS TYPICAL SECTION.

CHRISTOPHER A. SHAW
REGISTERED ENGINEER
No. 101099
STATE OF TENNESSEE
4/29/25

SHEET C-3

SITE PLAN

CANNONS CROSSING S/D

SITE ADDRESS: 412 EAST OLD A.J. HIGHWAY (37760)

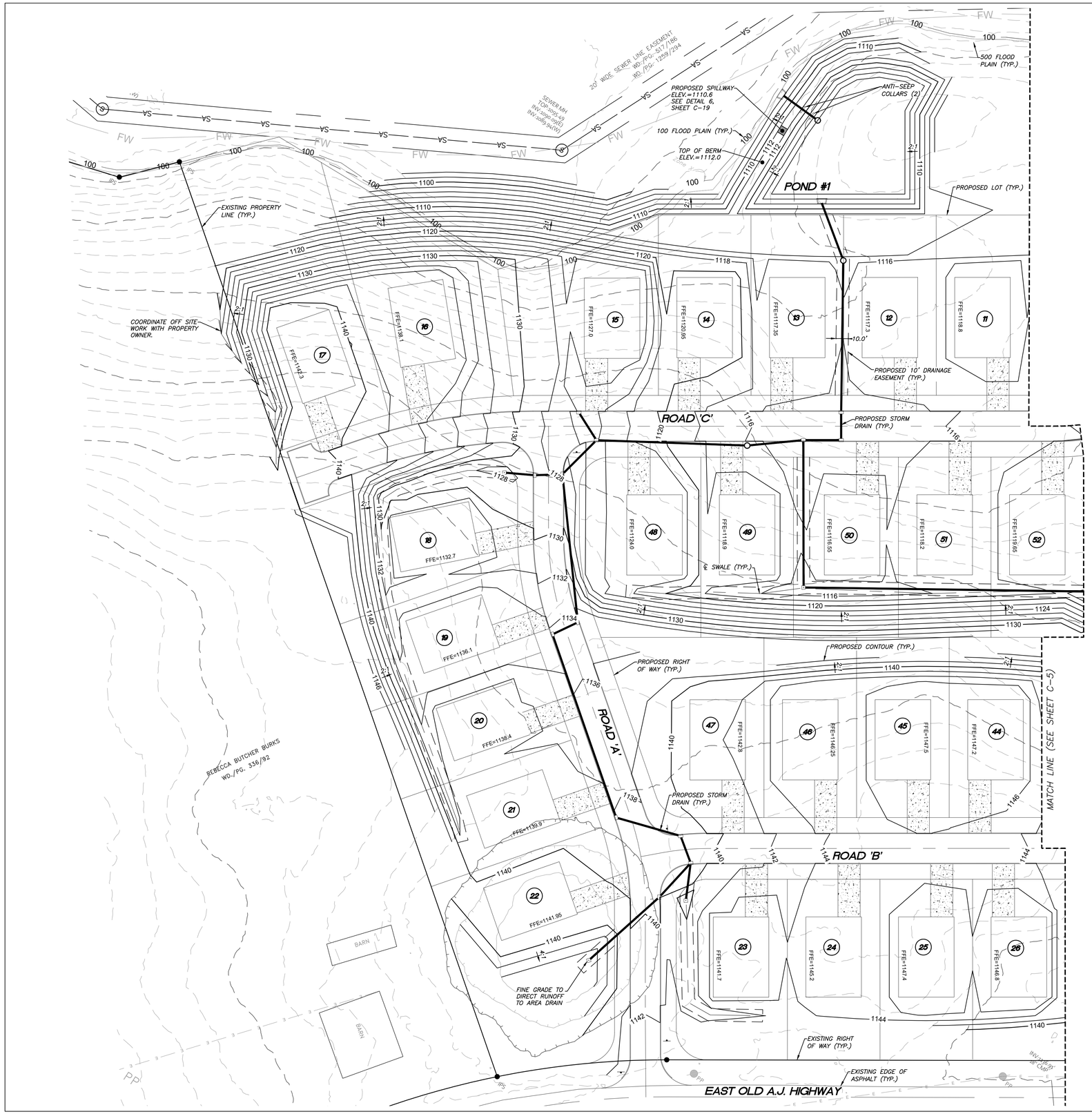
DEVELOPER:
CRAFTED MILESTONE, LLC
296 BOYDS SCHOOL ROAD
MORRISTOWN, TN 37813

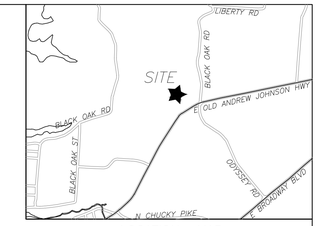
DIST NO. 04 — JEFFERSON CITY, TN
TAX MAP: 15 — PARCEL: 10.00
SCALE: 1"=40' — JUNE 4, 2025

URBAN ENGINEERING, INC.
10330 HARDIN VALLEY RD, #201
KNOXVILLE, TENNESSEE 37932
(865) 966-1924

REVISION	DATE	DESCRIPTION	BY

DWN: CLM | CHK: CAS | DWG. NO. 2505010





LOCATION MAP

GRADING PLAN NOTES:

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2. ALL WORK SHALL BE IN ACCORDANCE WITH THE JEFFERSON CITY'S SPECIFICATIONS FOR SITE DEVELOPMENT.

3. ALL WORK SHALL BE SEQUENCED AND COMPLETED IN ACCORDANCE WITH THE SWPPP AND RELATED PERMITS ISSUED BY JEFFERSON CITY.

4. CLEAR AND GRUB PER SPECS. REMOVE TREES, BRUSH, DEBRIS, AND STUMPS FROM THE WORK AREA. REMOVE ALL BUILDINGS, DRIVES, CROSS FENCES, AND MISCELLANEOUS EQUIPMENT.

5. STRIP AND STOCKPILE TOPSOIL NEEDED FOR RESPREADING AND SEEDING. SURROUND TOPSOIL PILE WITH SILT FENCE, STRAW BALES, TEMPORARY SEEDING OR ADDITIONAL MEASURES AS NEEDED TO PREVENT EROSION/SEDIMENTATION.

6. AFTER STRIPPING AND REMOVAL, PROOF ROLL ENTIRE DISTURBED AREA WITH TANDEM TRUCK FULLY LOADED WITH EARTH. REMOVE ANY AREAS WHICH ARE SOFT OR YIELDING UNDER LOAD AND REPLACE WITH NEW MATERIAL MEETING PROJECT SPECIFICATIONS.

7. IF UNSUITABLE SUBGRADE MATERIALS ARE ENCOUNTERED, THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND REPLACEMENT WITH APPROVED MATERIAL FROM ONSITE OR APPROVED OFFSITE BORROW AREA. UNSUITABLE MATERIALS ARE THOSE CLASSIFIED AS MH, CH, OH, OL, AND PEAT IN ACCORDANCE WITH THE UNIFIED SOIL CLASSIFICATION SYSTEM.

8. COMPACTION REQUIREMENTS ARE SUMMARIZED AS FOLLOWS: (PLACE IN 8" LIFTS)

   a. TOP 24 INCHES OF SUBGRADE UNDER PAVED AREAS 98 PERCENT STANDARD PROCTOR – LOWER THAN 24 INCHES BELOW PAVED AREA 95 PERCENT STANDARD PROCTOR.

   b. AREAS WITHIN THE BUILDING ENVELOPE TO BE PREPARED IN ACCORDANCE WITH RECOMMENDATIONS IN REPORT OF GEOTECHNICAL INVESTIGATION AND/OR AS DIRECTED BY THE SOILS ENGINEER.

9. ALL FINISHED YARD AREAS SHALL HAVE A MINIMUM 4 INCHES OF TOPSOIL. YARD FINISHED GRADES SHOWN ARE AFTER PLACEMENT OF 4 INCHES OF TOPSIL. ALL FINISHED YARD SURFACES SHALL BE SMOOTHLY AND UNIFORMLY GRADED, FREE FROM IRREGULARITIES AND SHALL BE FULLY FUNCTIONAL TO PROVIDE POSITIVE DRAINAGE AT ALL LOCATIONS.

10. THE TOTAL AREA DISTURBED AS PART OF THIS PROJECT (21.7± ACRES).

11. PROPOSED SPOT ELEVATIONS AND PROPOSED CONTOURS ARE AFTER THE INSTALLATION OF TOPSOIL IN GRASSED AREAS, PAVING WITHIN DRIVES AND FLATWORK.

12. IT IS THE RESPONSIBILITY OF THE OWNER TO ATTAIN PERMISSION FROM THE NEIGHBOR TO WORK ON HIS OR HER PROPERTY.

13. THE VERTICAL DATUM IS NAVD88.

14. TURF REINFORCEMENT MAT SHALL BE INSTALLED ON ALL SLOPES STEEPER THAN 3:1. MAT SHALL BE WESTERN EXCELSIOR PPS-8, OR EQUIVALENT.

15. COMMON AREAS TO SERVE AS DRAINAGE EASEMENTS WHERE APPLICABLE.

CHRISTOPHER A. STAPLES
REGISTERED ENGINEER
COMMISSION NO. 0010596
STATE OF TENNESSEE
6/4/25

SHEET C-4

Tennessee811

REFERENCE:
DEED BOOK: 363, PAGE: 92

REVISION	DATE	DESCRIPTION	BY

GRADING PLAN

CANNONS CROSSING S/D

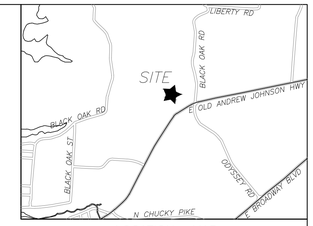
SITE ADDRESS: 412 EAST OLD A.J. HIGHWAY (37760)

DEVELOPER:
CRAFTED MILESTONE, LLC
296 BOYDS SCHOOL ROAD
MORRISTOWN, TN 37813

DIST NO. 04 — JEFFERSON CITY, TN
TAX MAP: 15 — PARCEL: 10.00
SCALE: 1"=40' — JUNE 4, 2025

URBAN ENGINEERING, INC.
10330 HARDIN VALLEY RD, #201
KNOXVILLE, TENNESSEE 37932
(865) 966-1924

DWN: CLM | CHK: CAS | DWG. NO. 2505010



LOCATION MAP

GRADING PLAN NOTES:

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3. ALL WORK SHALL BE SEQUENCED AND COMPLETED IN ACCORDANCE WITH THE SWPPP AND RELATED PERMITS ISSUED BY JEFFERSON CITY.

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15. COMMON AREAS TO SERVE AS DRAINAGE EASEMENTS WHERE APPLICABLE.

REFERENCE:
DEED BOOK: 363, PAGE: 92

CHRISTOPHER A. SHAW
REGISTERED ENGINEER
COMMERCIAL
0010890
STATE OF TENNESSEE

SHEET C-5

GRADING PLAN

CANNONS CROSSING S/D

SITE ADDRESS: 412 EAST OLD A.J. HIGHWAY (37760)

DEVELOPER:
CRAFTED MILESTONE, LLC
296 BOYDS SCHOOL ROAD
MORRISTOWN, TN 37813

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SCALE: 1"=40'	JUNE 4, 2025

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(865) 966-1924

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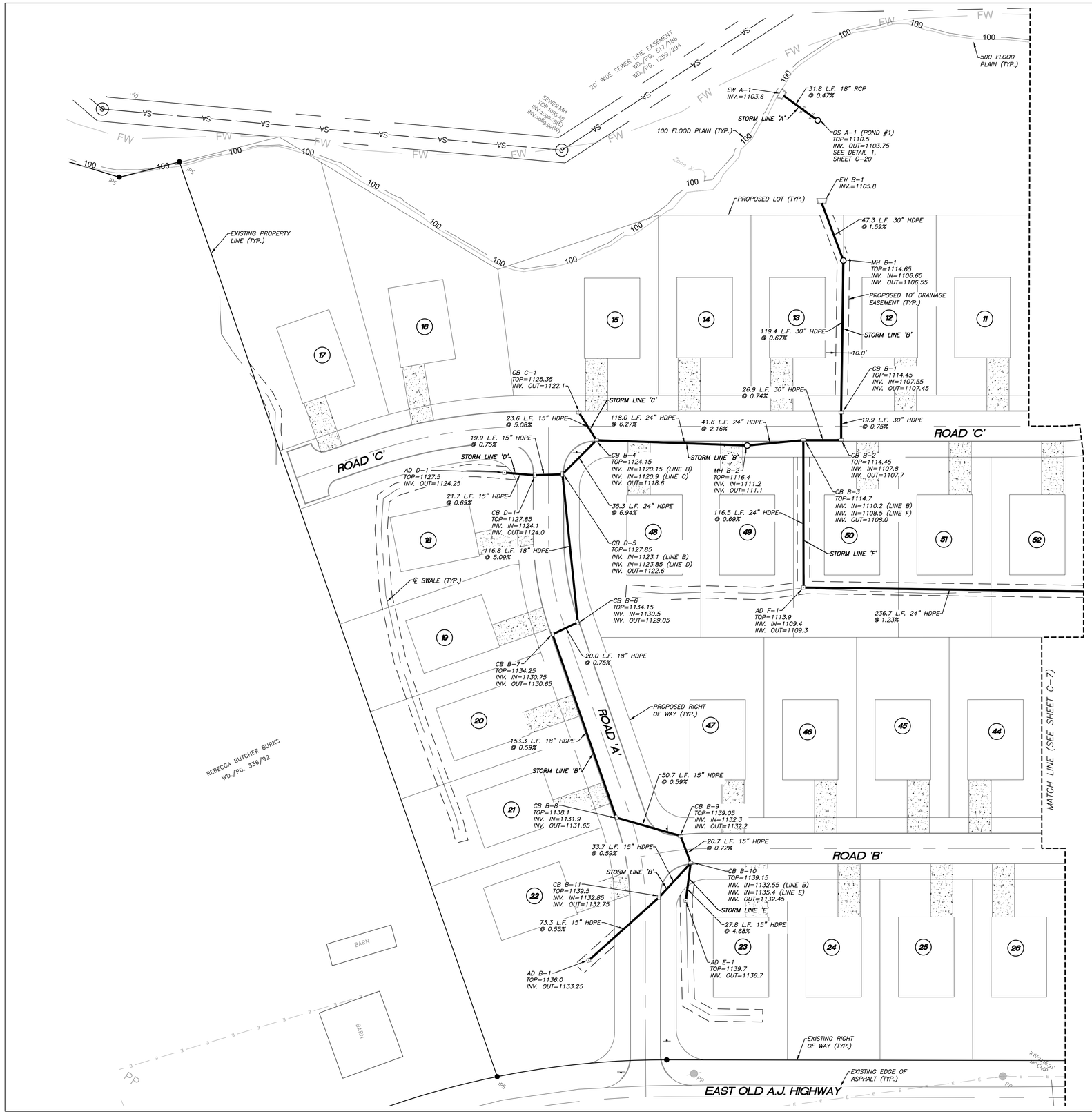

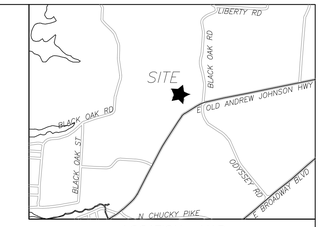

LOCATION MAP

DRAINAGE NOTES:

1. CORRUGATED POLYETHYLENE PIPE (HDPE) SHALL BE AASHTO M-252/M-294 TYPE S WITH SOIL-TIGHT JOINTS WITH RUBBER GASKET CONFORMING TO ASTM F477 (HANCOR HI-Q OR ADS N-12 ARE ACCEPTABLE PRODUCTS). REFER TO TDOT STANDARD DWG D-PB-2 FOR ADDITIONAL INSTALLATION REQUIREMENTS.

2. ALL CONCRETE PIPE SHALL BE CLASS III.

3. ALL WORK SHALL BE SEQUENCED AND COMPLETED IN ACCORDANCE WITH THE TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION EROSION CONTROL HANDBOOK AND THE RULES AND REGULATIONS OF JEFFERSON CITY.

4. ALL PIPING UNDER OR WITHIN 3' OF ASPHALT DRIVES SHALL BE BACKFILLED WITH STONE.

5. ALL CATCH BASINS, AREA DRAIN GRATES AND MANHOLE COVERS REQUIRE PERMANENTLY CAST ENVIRONMENTAL MESSAGE, I.E. "NO DUMPING, DRAINS TO RIVER".

6. CASTINGS FOR THE PROPOSED STRUCTURES ARE AS FOLLOWS:

MAIHOLES: V-1045 FRAME, 1040 COVER
OUTLET STRUCTURES: WELDED BAR GRATE
CATCH BASINS: V-4074-2
AREA DRAINS: V-4880-2

7. ALL MATERIALS AND INSTALLATION METHODS SHALL BE PER TDOT'S SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, CURRENT EDITION.

8. COMMON AREAS SHALL SERVE AS STORMWATER EASEMENTS, WHERE APPLICABLE.

GRID NORTH

GRAPHIC SCALE
40 0 40 80

CHRISTOPHER A. SHAW
REGISTERED ENGINEER
No. 0010998
STATE OF TENNESSEE
COMMERCIAL
7-14-25

SHEET C-6

Tennessee 811

REFERENCE:
DEED BOOK: 363, PAGE: 92

REVISION	DATE	DESCRIPTION	BY

DRAINAGE PLAN

CANNONS CROSSING S/D

SITE ADDRESS: 412 EAST OLD A.J. HIGHWAY (37760)

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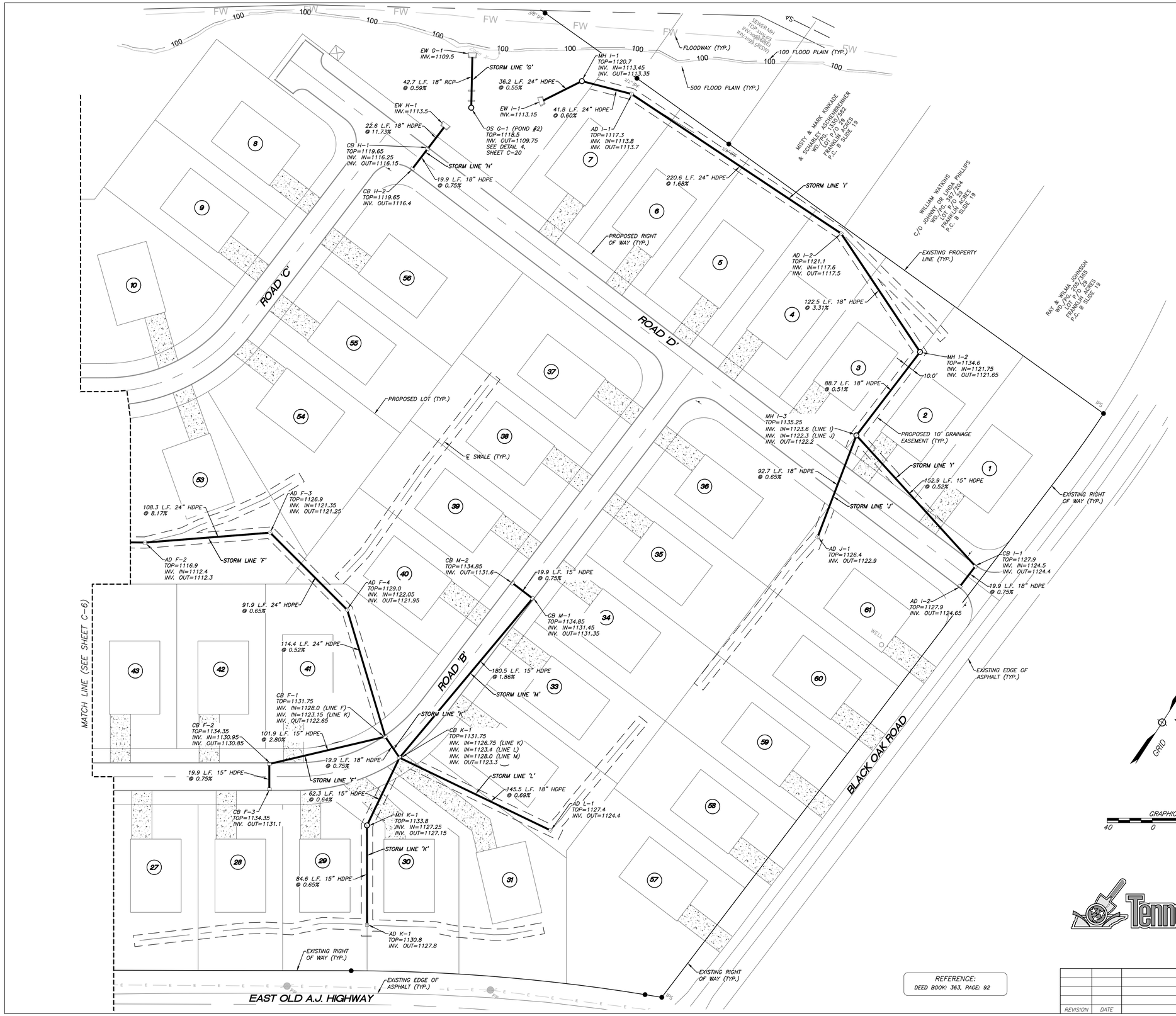
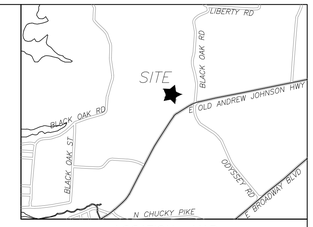
10330 HARDIN VALLEY RD, #201
KNOXVILLE, TENNESSEE 37932
(865) 966-1924

DWN: CLM | CHK: CAS | DWG. NO. 2505010





LOCATION MAP

DRAINAGE NOTES:

1. CORRUGATED POLYETHYLENE PIPE (HDPE) SHALL BE AASHTO M-252/M-294 TYPE S WITH SOIL-TIGHT JOINTS WITH RUBBER GASKET CONFORMING TO ASTM F477 (HANCOR HI-Q OR ADS N-12 ARE ACCEPTABLE PRODUCTS). REFER TO TDOT STANDARD DWG D-PB-2 FOR ADDITIONAL INSTALLATION REQUIREMENTS.

2. ALL CONCRETE PIPE SHALL BE CLASS III.

3. ALL WORK SHALL BE SEQUENCED AND COMPLETED IN ACCORDANCE WITH THE TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION EROSION CONTROL HANDBOOK AND THE RULES AND REGULATIONS OF JEFFERSON CITY.

4. ALL PIPING UNDER OR WITHIN 3' OF ASPHALT DRIVES SHALL BE BACKFILLED WITH STONE.

5. ALL CATCH BASINS, AREA DRAIN GRATES AND MANHOLE COVERS REQUIRE PERMANENTLY CAST ENVIRONMENTAL MESSAGE, I.E. "NO DUMPING, DRAINS TO RIVER".

6. CASTINGS FOR THE PROPOSED STRUCTURES ARE AS FOLLOWS:

MANHOLES: V-1045 FRAME, 1040 COVER
OUTLET STRUCTURES: WELDED BAR GRATE
CATCH BASINS: V-4074-2
AREA DRAINS: V-4880-2

7. ALL MATERIALS AND INSTALLATION METHODS SHALL BE PER TDOT'S SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, CURRENT EDITION.

8. COMMON AREAS SHALL SERVE AS STORMWATER EASEMENTS, WHERE APPLICABLE.

REFERENCE:
DEED BOOK: 363, PAGE: 92

CHRISTOPHER A. SHAW
REGISTERED ENGINEER
No. 101080
COMMERCIAL
STATE OF TENNESSEE
6-4-25

SHEET C-7

DRAINAGE PLAN

CANNONS CROSSING S/D

SITE ADDRESS: 412 EAST OLD A.J. HIGHWAY (37760)

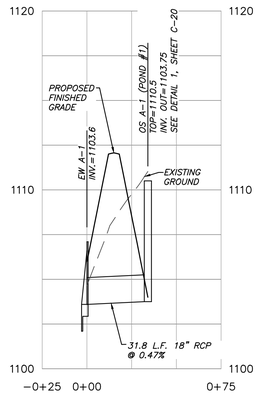
DEVELOPER:
CRAFTED MILESTONE, LLC
296 BOYDS SCHOOL ROAD
MORRISTOWN, TN 37813

DIST NO. 04 — JEFFERSON CITY, TN
TAX MAP: 15 — PARCEL: 10.00
SCALE: 1"=40' — JUNE 4, 2025

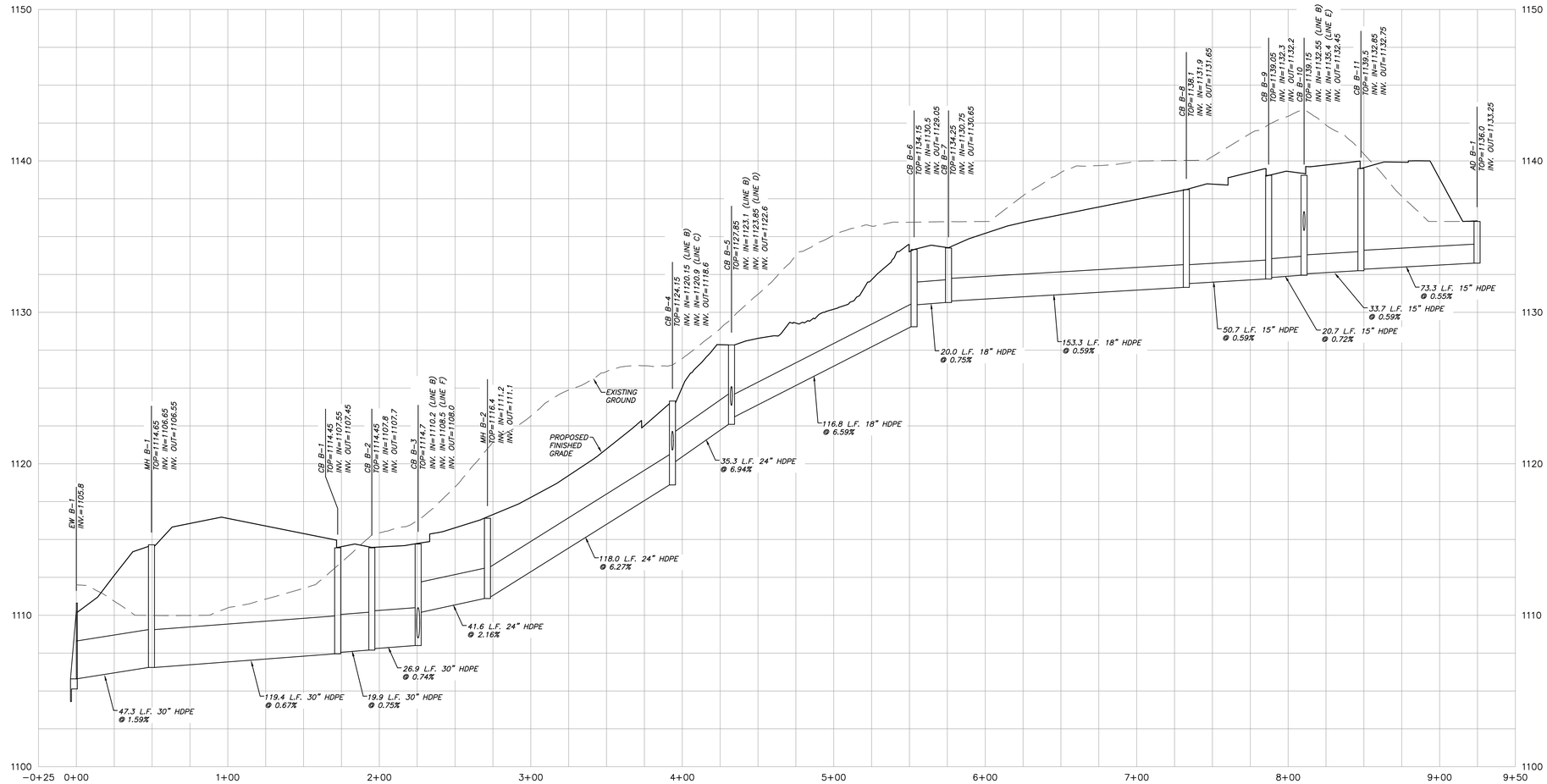
URBAN ENGINEERING, INC.
10330 HARDIN VALLEY RD, #201
KNOXVILLE, TENNESSEE 37932
(865) 966-1924

REVISION	DATE	DESCRIPTION	BY

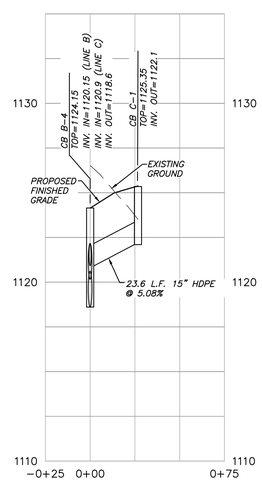
DWN: CLM | CHK: CAS | DWG. NO. 2505010



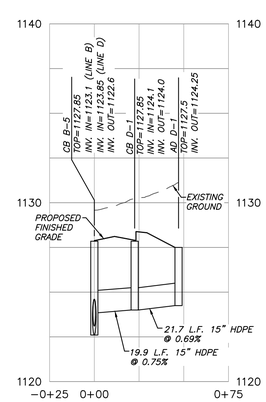
PROFILE VIEW: STORM LINE 'A'
1"=40' (HORIZONTAL)
1"=4' (VERTICAL)



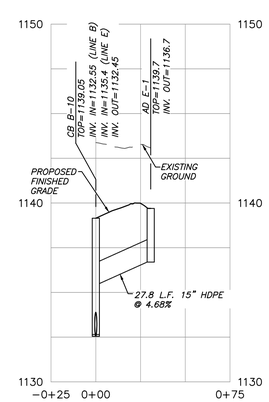
PROFILE VIEW: STORM LINE 'B'
1"=40' (HORIZONTAL)
1"=4' (VERTICAL)



PROFILE VIEW: STORM LINE 'C'
1"=40' (HORIZONTAL)
1"=4' (VERTICAL)



PROFILE VIEW: STORM LINE 'D'
1"=40' (HORIZONTAL)
1"=4' (VERTICAL)



PROFILE VIEW: STORM LINE 'E'
1"=40' (HORIZONTAL)
1"=4' (VERTICAL)

REVISION	DATE	DESCRIPTION	BY

SHEET C-8

DRAINAGE PROFILES

CANNONS CROSSING S/D

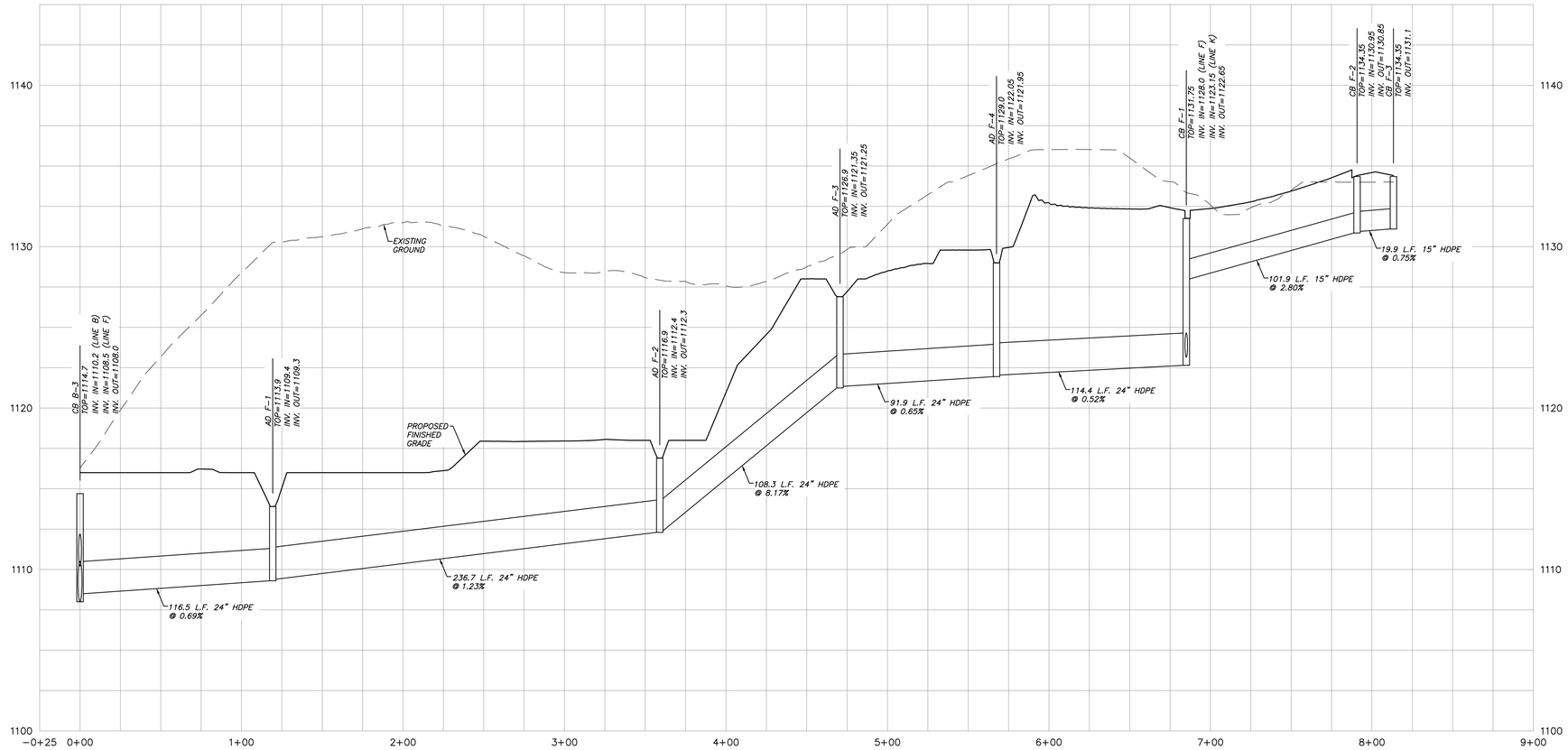
SITE ADDRESS: 412 EAST OLD A.J. HIGHWAY (37760)

DEVELOPER:
CRAFTED MILESTONE, LLC
296 BOYDS SCHOOL ROAD
MORRISTOWN, TN 37813

DIST NO. 04 — JEFFERSON CITY, TN
TAX MAP: 15 — PARCEL: 10.00
SCALE: AS NOTED — JUNE 4, 2025

URBAN ENGINEERING, INC.
10330 HARDIN VALLEY RD, #201
KNOXVILLE, TENNESSEE 37932
(865) 966-1924

DWN: CLM | CHK: CAS | DWG. NO. 2505010



PROFILE VIEW: STORM LINE 'F'
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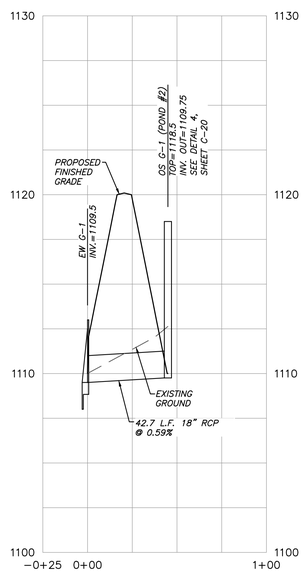
1"=4' (VERTICAL)



PROFILE VIEW: STORM LINE 'G'
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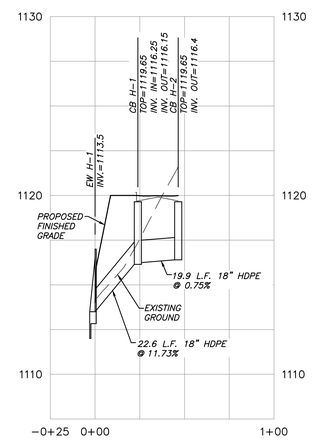
1"=4' (VERTICAL)



PROFILE VIEW: STORM LINE 'H'
1"=40' (HORIZONTAL)
1"=4' (VERTICAL)

Tennessee 811

REVISION	DATE	DESCRIPTION	BY

SHEET C-9

DRAINAGE PROFILES

CANNONS CROSSING S/D

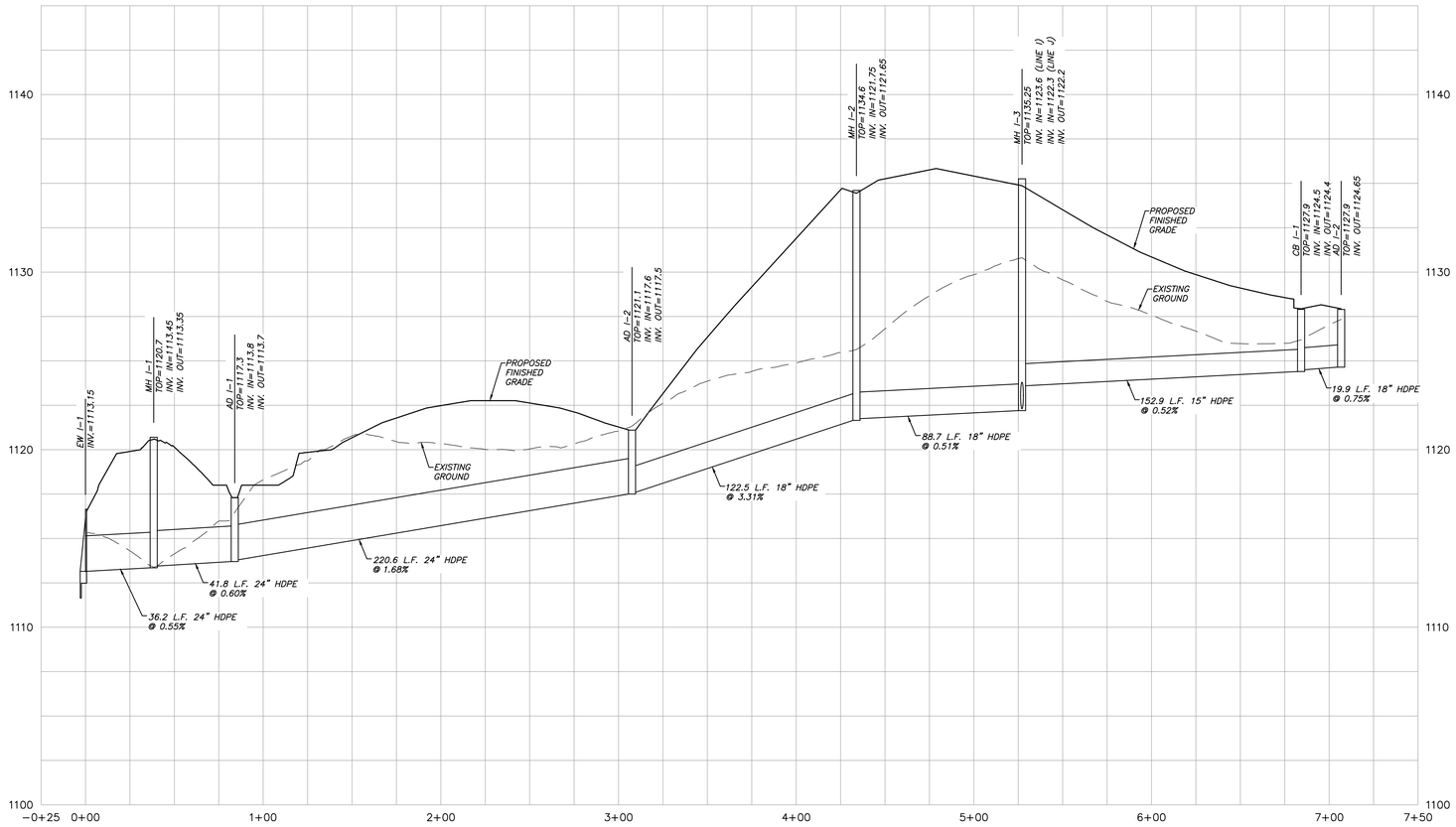
SITE ADDRESS: 412 EAST OLD A.J. HIGHWAY (37760)

DEVELOPER:
CRAFTED MILESTONE, LLC
296 BOYDS SCHOOL ROAD
MORRISTOWN, TN 37813

DIST NO. 04 — JEFFERSON CITY, TN
TAX MAP: 15 — PARCEL: 10.00
SCALE: AS NOTED — JUNE 4, 2025

URBAN ENGINEERING, INC.
10330 HARDIN VALLEY RD, #201
KNOXVILLE, TENNESSEE 37932
(865) 966-1924

DWN: CLM | CHK: CAS | DWG. NO. 2505010



PROFILE VIEW: STORM LINE 'I'
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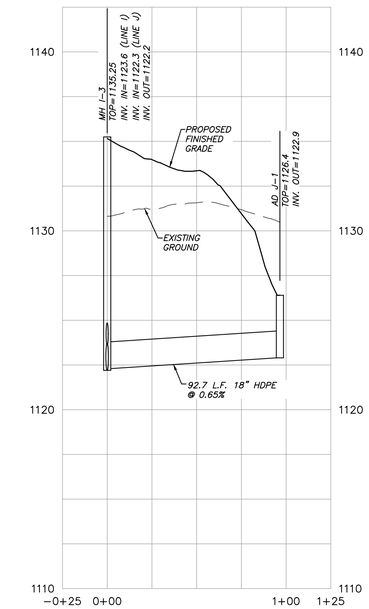
1"=4' (VERTICAL)



PROFILE VIEW: STORM LINE 'J'
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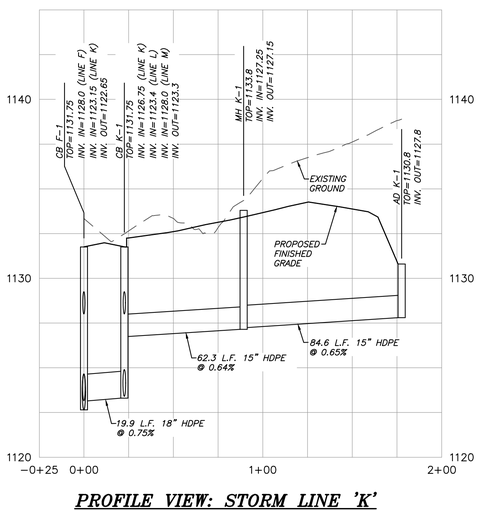
1"=4' (VERTICAL)



PROFILE VIEW: STORM LINE 'K'
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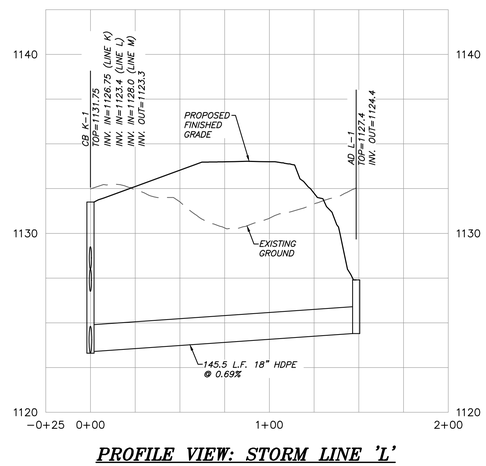
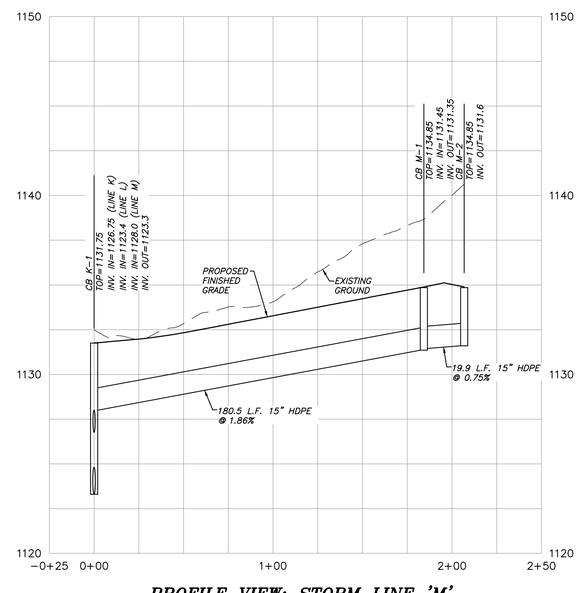
1"=4' (VERTICAL)



PROFILE VIEW: STORM LINE 'L'
1"=40' (HORIZONTAL)
1"=4' (VERTICAL)



PROFILE VIEW: STORM LINE 'M'
1"=40' (HORIZONTAL)
1"=4' (VERTICAL)

REVISION	DATE	DESCRIPTION	BY

SHEET C-10

DRAINAGE PROFILES

CANNONS CROSSING S/D

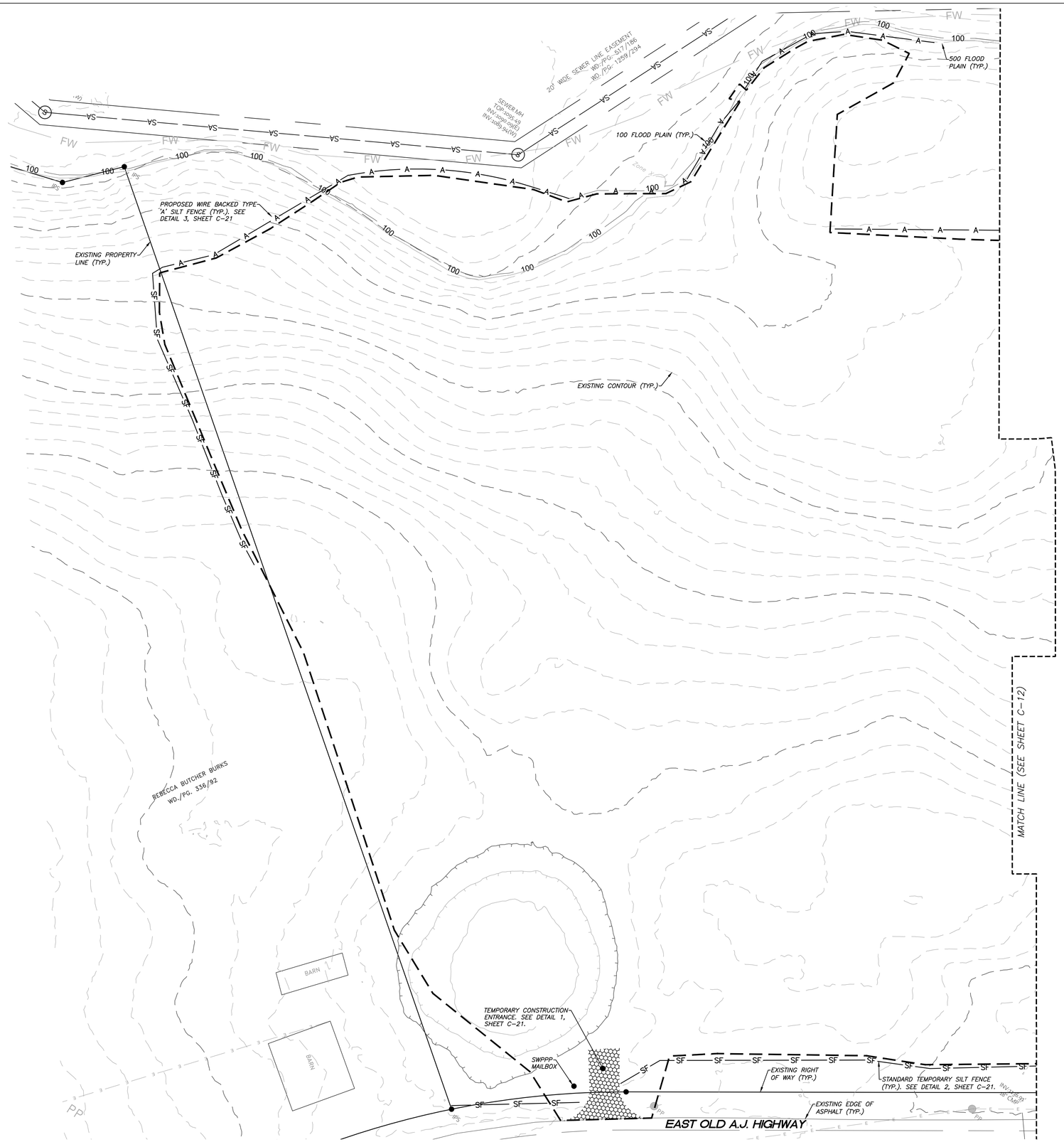
SITE ADDRESS: 412 EAST OLD A.J. HIGHWAY (37760)

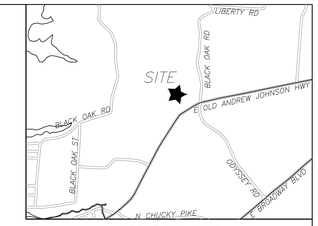
DEVELOPER:
CRAFTED MILESTONE, LLC
296 BOYDS SCHOOL ROAD
MORRISTOWN, TN 37813

DIST NO. 04 — JEFFERSON CITY, TN
TAX MAP: 15 — PARCEL: 10.00
SCALE: AS NOTED — JUNE 4, 2025

URBAN ENGINEERING, INC.
10330 HARDIN VALLEY RD. #201
KNOXVILLE, TENNESSEE 37932
(865) 966-1924

DWN: CLM | CHK: CAS | DWG. NO. 2505010





LOCATION MAP

SEQUENCE OF WORK ACTIVITIES:

PHASE 1:

1. INSTALL SILT FENCES, TEMPORARY CONSTRUCTION ENTRANCE AND MAILBOX TO POST SWPPP.

2. ATTEND PRE-CONSTRUCTION WITH JEFFERSON CITY.

PHASE 2:

3. INSTALL TEMPORARY SEDIMENT BASINS, INCLUDING SEDIMENT BASIN OUTLET STRUCTURES. SEE DETAILS ON SHEET C-20.

4. STRIP AND STOCKPILE REMAINING TOPSOIL.

5. STABILIZE TOPSOIL BY SILT FENCES AND/OR TEMPORARY SEEDING.

6. CLEAR/GRUB AND DISPOSE OF TIMBER AND TRASH.

PHASE 3:

7. CUT/FILL FOR THE OVERALL SITE.

8. INSTALL DRAINAGE & UTILITIES. INLETS SHALL BE PROTECTED USING SILT SACK INLET PROTECTION PER THE ATTACHED DETAILS.

9. FINALIZE SUB-GRADE, STONE AND RESPREAD TOPSOIL.

10. INSTALL PAVING & CURBING.

11. ESTABLISH VEGETATION ON ALL DISTURBED AREAS PER SEEDING SPECS.

12. FOLLOWING STABILIZATION, MODIFY OUTLET STRUCTURE TO MAKE PERMANENT AND REMOVE ACCUMULATED SEDIMENT TO RESTORE THE POND TO ITS DESIGN VOLUME. THE SITE'S TEMPORARY EROSION CONTROL BMP'S SHALL BE REMOVED AND A NOTICE OF TERMINATION SHALL BE FILED WITH TDEC.

13. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE TDEC EROSION CONTROL HANDBOOK AND THE REGULATIONS OF JEFFERSON CITY.

*ADDITIONAL SEDIMENT CONTROL BMP'S MAY BE REQUIRED AS DICTATED BY SEQUENCE OF CONSTRUCTION.

EROSION & SEDIMENT CONTROL NOTES

1. THE LOCATIONS OF ALL UNDERGROUND UTILITIES SHOWN HEREON ARE APPROXIMATE AND ARE BASED ON FIELD LOCATION OF VISIBLE STRUCTURES SUCH AS CATCH BASINS, MANHOLES, WATER VALVES, ETC., AND COMPILING INFORMATION FROM PLANS SUPPLIED BY VARIOUS UTILITY COMPANIES AND GOVERNMENT AGENCIES. THE CONTRACTORS SHALL NOTIFY IN WRITING ALL UTILITY COMPANIES AND GOVERNMENT AGENCIES AND ALSO CALL TENN ONE-CALL PRIOR TO ANY EXCAVATION WORK, TO VERIFY INFORMATION SHOWN AND DETERMINE THE LAYOUT OF THE IRRIGATION SYSTEM AND IF ADDITIONAL IMPROVEMENTS MAY EXIST.

2. THE CONTRACTOR SHALL AVOID TRACKING MUD AND SILT ONTO EXISTING ROADS AND SHALL BE RESPONSIBLE FOR CLEANUP OF ANY VIOLATION.

3. ALL CONSTRUCTION SHALL COMPLY WITH THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP).

4. ALL UNIMPROVED AREAS SHALL BE LANDSCAPED OR GRASSED. GRASS SPECIFICATIONS AS FOLLOWS:
   TOPSOIL TO UNIFORM DEPTH OF 4"
   AGRICULTURAL LIME – 3 TONS/ACRE
   3.0 LBS. KY 31 FESQUE PER 1,000 SQ. FT.
   0.5 LBS. ENGLISH RYE PER 1,000 SQ. FT.
   10 LBS. DRY FERTILIZER (12-24-24 OR EQUAL) PER 1,000 SQ. FT.

   100 LBS DRY STRAW PER 1,000 SQ. FT. (EXCEPT WHERE EROSION CONTROL FABRIC REQUIRED)

   ALL GRASSED SLOPES 3:1 OR STEEPER TO HAVE ECM (VERDYOL OR EQUAL)

   IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ESTABLISH A FULL, EVEN STAND OF VEGETATION ON THE AREAS TO BE SEEDED. SPARSE AREAS SHALL BE SCARIFIED AND RESEEDED UNTIL A FULL STAND IS ESTABLISHED.

5. THE OWNER IS RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF CONSTRUCTION OF SITE POLLUTION PREVENTION CONTROLS THROUGHOUT THE LIFE OF THE PROJECT.

6. SEE DETAILS ON SHEET C-20 FOR OUTLET STRUCTURE HOLES THAT ARE TO REMAIN PLUGGED DURING CONSTRUCTION.

7. ADEQUATE DRAINAGE, EROSION AND SEDIMENT CONTROL MEASURES, BEST MANAGEMENT PRACTICES, AND/OR OTHER STORMWATER MANAGEMENT FACILITIES SHALL BE PROVIDED AND MAINTAINED AT ALL TIMES DURING CONSTRUCTION. DAMAGES TO ADJACENT PROPERTY AND/OR THE CONSTRUCTION SITE CAUSED BY THE CONTRACTOR'S OR PROPERTY OWNER'S FAILURE TO PROVIDE AND MAINTAIN ADEQUATE DRAINAGE AND EROSION/SEDIMENT CONTROL FOR THE CONSTRUCTION AREA SHALL BE THE RESPONSIBILITY OF THE GRADING PERMITTEE.

8. THE PROPOSED SEDIMENT CONTROL MEASURES ARE DESIGNED TO ACCOMMODATE A 5-YEAR, 24-HOUR STORM.

9. THE TOTAL AREA DISTURBED AS PART OF THIS PHASE IS APPROXIMATELY 21.7-ACRES.

10. TEMPORARY SEEDING IS REQUIRED WHEN GRADING OPERATIONS ARE TEMPORARILY HALTED FOR OVER 14 DAYS AND ON SOIL STOCKPILES. PERMANENT SEEDING IS REQUIRED WHEN GRADING OPERATIONS ARE COMPLETED AND WHEN CONSTRUCTION OPERATIONS WILL NOT IMPACT THE DISTURBED AREA. SEED AREAS THAT SHOW SIGNS OF EXCESSIVE EROSION.

11. THIS SITE IS A PRIORITY CONSTRUCTION ACTIVITY.

GRID NORTH

GRAPHIC SCALE
40 0 40 80

CHRISTOPHER A. SHAW
REGISTERED ENGINEER
No. 0010596
COMMERCIAL
STATE OF TENNESSEE
APPROVED
6-4-25

SHEET C-11

Tennessee811

REFERENCE:
DEED BOOK: 363, PAGE: 92

REVISION	DATE	DESCRIPTION	BY

EROSION & SEDIMENT CONTROL PLAN (PHASE 1)

CANNONS CROSSING S/D

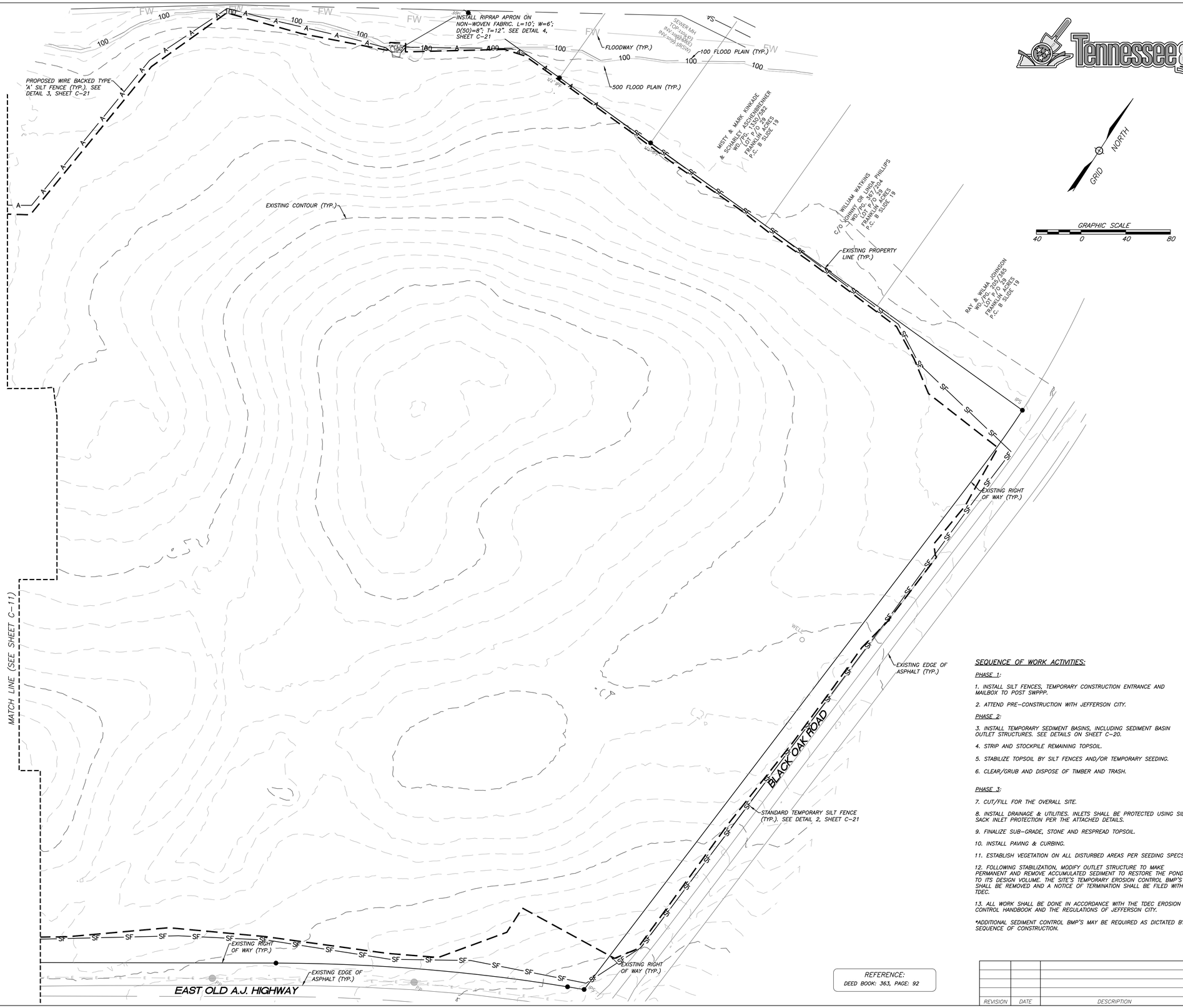
SITE ADDRESS: 412 EAST OLD A.J. HIGHWAY (37760)

DEVELOPER:
CRAFTED MILESTONE, LLC
296 BOYDS SCHOOL ROAD
MORRISTOWN, TN 37813

DIST NO. 04 — JEFFERSON CITY, TN
TAX MAP: 15 — PARCEL: 10.00
SCALE: 1"=40' — JUNE 4, 2025

URBAN ENGINEERING, INC.
10330 HARDIN VALLEY RD, #201
KNOXVILLE, TENNESSEE 37932
(865) 966-1924

DWN: CLM | CHK: CAS | DWG. NO. 2505010



EROSION & SEDIMENT CONTROL NOTES

1. THE LOCATIONS OF ALL UNDERGROUND UTILITIES SHOWN HEREON ARE APPROXIMATE AND ARE BASED ON FIELD LOCATION OF VISIBLE STRUCTURES SUCH AS CATCH BASINS, MANHOLES, WATER VALVES, ETC., AND COMPILING INFORMATION FROM PLANS SUPPLIED BY VARIOUS UTILITY COMPANIES AND GOVERNMENT AGENCIES. THE CONTRACTORS SHALL NOTIFY IN WRITING ALL UTILITY COMPANIES AND GOVERNMENT AGENCIES AND ALSO CALL TENN ONE-CALL PRIOR TO ANY EXCAVATION WORK, TO VERIFY INFORMATION SHOWN AND DETERMINE THE LAYOUT OF THE IRRIGATION SYSTEM AND IF ADDITIONAL IMPROVEMENTS MAY EXIST.

2. THE CONTRACTOR SHALL AVOID TRACKING MUD AND SILT ONTO EXISTING ROADS AND SHALL BE RESPONSIBLE FOR CLEANUP OF ANY VIOLATION.

3. ALL CONSTRUCTION SHALL COMPLY WITH THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP).

4. ALL UNIMPROVED AREAS SHALL BE LANDSCAPED OR GRASSED. GRASS SPECIFICATIONS AS FOLLOWS:
   TOPSOIL TO UNIFORM DEPTH OF 4"
   AGRICULTURAL LIME – 3 TONS/ACRE
   3.0 LBS. KY 31 FESCUE PER 1,000 SQ. FT.
   0.5 LBS. ENGLISH RYE PER 1,000 SQ. FT.
   10 LBS. DRY FERTILIZER (12-24-24 OR EQUAL) PER 1,000 SQ. FT.

   100 LBS DRY STRAW PER 1,000 SQ. FT. (EXCEPT WHERE EROSION CONTROL FABRIC REQUIRED)

   ALL GRASSED SLOPES 3:1 OR STEEPER TO HAVE ECM (VERDYOL OR EQUAL)

   IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ESTABLISH A FULL, EVEN STAND OF VEGETATION ON THE AREAS TO BE SEEDED. SPARSE AREAS SHALL BE SCARIFIED AND RESEEDED UNTIL A FULL STAND IS ESTABLISHED.

5. THE OWNER IS RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF CONSTRUCTION OF SITE POLLUTION PREVENTION CONTROLS THROUGHOUT THE LIFE OF THE PROJECT.

6. SEE DETAILS ON SHEET C-20 FOR OUTLET STRUCTURE HOLES THAT ARE TO REMAIN PLUGGED DURING CONSTRUCTION.

7. ADEQUATE DRAINAGE, EROSION AND SEDIMENT CONTROL MEASURES, BEST MANAGEMENT PRACTICES, AND/OR OTHER STORMWATER MANAGEMENT FACILITIES SHALL BE PROVIDED AND MAINTAINED AT ALL TIMES DURING CONSTRUCTION. DAMAGES TO ADJACENT PROPERTY AND/OR THE CONSTRUCTION SITE CAUSED BY THE CONTRACTOR'S OR PROPERTY OWNER'S FAILURE TO PROVIDE AND MAINTAIN ADEQUATE DRAINAGE AND EROSION/SEDIMENT CONTROL FOR THE CONSTRUCTION AREA SHALL BE THE RESPONSIBILITY OF THE GRADING PERMITTEE.

8. THE PROPOSED SEDIMENT CONTROL MEASURES ARE DESIGNED TO ACCOMMODATE A 5-YEAR, 24-HOUR STORM.

9. THE TOTAL AREA DISTURBED AS PART OF THIS PHASE IS APPROXIMATELY 21.7-ACRES.

10. TEMPORARY SEEDING IS REQUIRED WHEN GRADING OPERATIONS ARE TEMPORARILY HALTED FOR OVER 14 DAYS AND ON SOIL STOCKPILES. PERMANENT SEEDING IS REQUIRED WHEN GRADING OPERATIONS ARE COMPLETED AND WHEN CONSTRUCTION OPERATIONS WILL NOT IMPACT THE DISTURBED AREA. SEED AREAS THAT SHOW SIGNS OF EXCESSIVE EROSION.

11. THIS SITE IS A PRIORITY CONSTRUCTION ACTIVITY.

SEQUENCE OF WORK ACTIVITIES:

PHASE 1:

1. INSTALL SILT FENCES, TEMPORARY CONSTRUCTION ENTRANCE AND MAILBOX TO POST SWPPP.

2. ATTEND PRE-CONSTRUCTION WITH JEFFERSON CITY.

PHASE 2:

3. INSTALL TEMPORARY SEDIMENT BASINS, INCLUDING SEDIMENT BASIN OUTLET STRUCTURES. SEE DETAILS ON SHEET C-20.

4. STRIP AND STOCKPILE REMAINING TOPSOIL.

5. STABILIZE TOPSOIL BY SILT FENCES AND/OR TEMPORARY SEEDING.

6. CLEAR/GRUB AND DISPOSE OF TIMBER AND TRASH.

PHASE 3:

7. CUT/FILL FOR THE OVERALL SITE.

8. INSTALL DRAINAGE & UTILITIES. INLETS SHALL BE PROTECTED USING SILT SACK INLET PROTECTION PER THE ATTACHED DETAILS.

9. FINALIZE SUB-GRADE, STONE AND RESPREAD TOPSOIL.

10. INSTALL PAVING & CURBING.

11. ESTABLISH VEGETATION ON ALL DISTURBED AREAS PER SEEDING SPECS.

12. FOLLOWING STABILIZATION, MODIFY OUTLET STRUCTURE TO MAKE PERMANENT AND REMOVE ACCUMULATED SEDIMENT TO RESTORE THE POND TO ITS DESIGN VOLUME. THE SITE'S TEMPORARY EROSION CONTROL BMP'S SHALL BE REMOVED AND A NOTICE OF TERMINATION SHALL BE FILED WITH TDEC.

13. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE TDEC EROSION CONTROL HANDBOOK AND THE REGULATIONS OF JEFFERSON CITY.

*ADDITIONAL SEDIMENT CONTROL BMP'S MAY BE REQUIRED AS DICTATED BY SEQUENCE OF CONSTRUCTION.

REFERENCE:
DEED BOOK: 363, PAGE: 92

REVISION	DATE	DESCRIPTION	BY

CHRISTOPHER A. SHAW
REGISTERED ENGINEER
No. 0010998
COMMERCIAL
STATE OF TENNESSEE
7-7-25

SHEET C-12

EROSION & SEDIMENT CONTROL PLAN (PHASE 1)

CANNONS CROSSING S/D

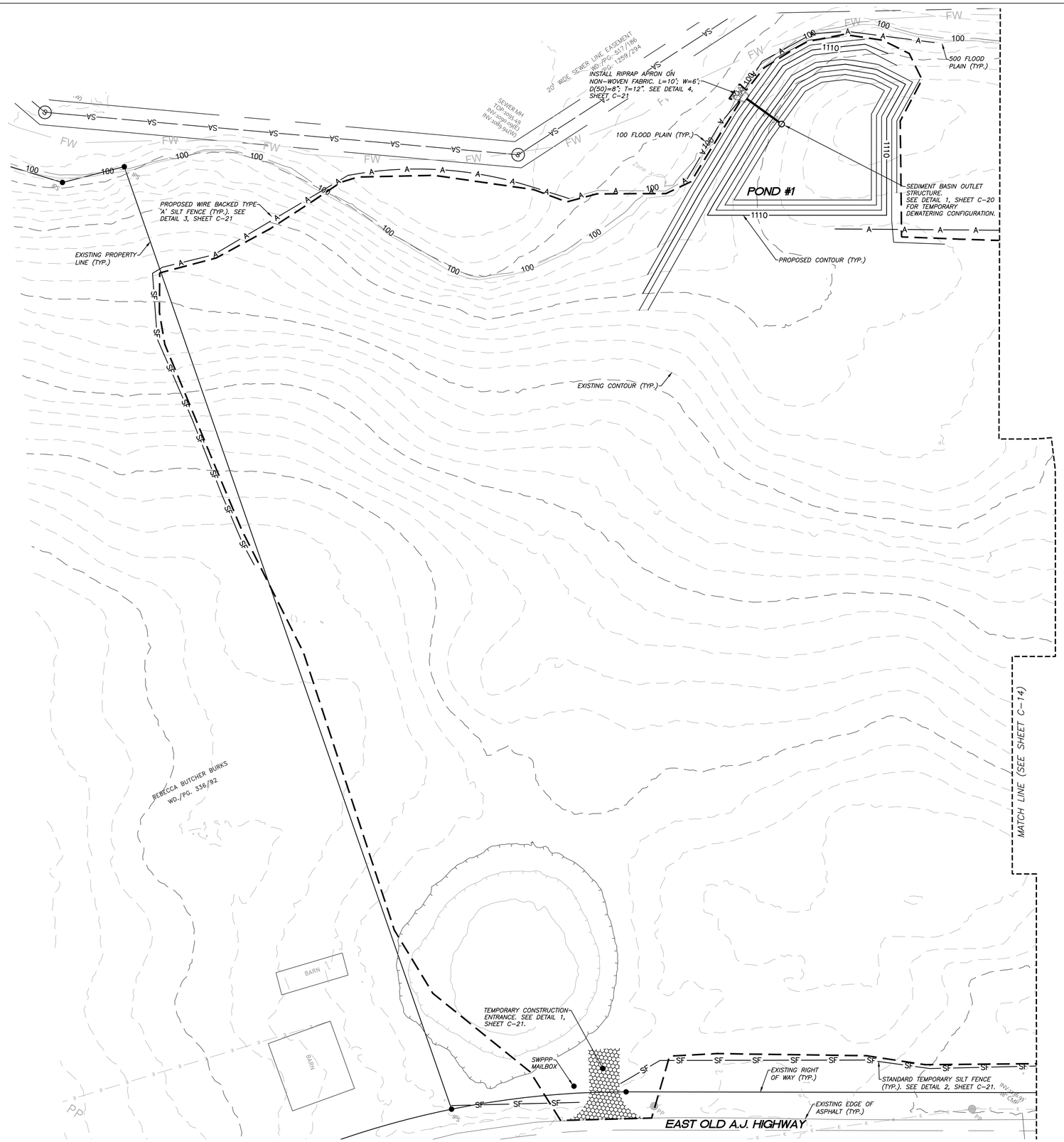
SITE ADDRESS: 412 EAST OLD A.J. HIGHWAY (37760)

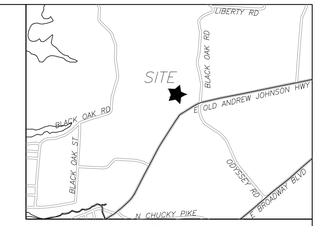
DEVELOPER:
CRAFTED MILESTONE, LLC
296 BOYDS SCHOOL ROAD
MORRISTOWN, TN 37813

DIST NO. 04 — JEFFERSON CITY, TN
TAX MAP: 15 — PARCEL: 10.00
SCALE: 1"=40' — JUNE 4, 2025

URBAN ENGINEERING, INC.
10330 HARDIN VALLEY RD, #201
KNOXVILLE, TENNESSEE 37932
(865) 966-1924

DWN: CLM | CHK: CAS | DWG. NO. 2505010





LOCATION MAP

SEQUENCE OF WORK ACTIVITIES:

PHASE 1:

1. INSTALL SILT FENCES, TEMPORARY CONSTRUCTION ENTRANCE AND MAILBOX TO POST SWPPP.

2. ATTEND PRE-CONSTRUCTION WITH JEFFERSON CITY.

PHASE 2:

3. INSTALL TEMPORARY SEDIMENT BASINS, INCLUDING SEDIMENT BASIN OUTLET STRUCTURES. SEE DETAILS ON SHEET C-20.

4. STRIP AND STOCKPILE REMAINING TOPSOIL.

5. STABILIZE TOPSOIL BY SILT FENCES AND/OR TEMPORARY SEEDING.

6. CLEAR/GRUB AND DISPOSE OF TIMBER AND TRASH.

PHASE 3:

7. CUT/FILL FOR THE OVERALL SITE.

8. INSTALL DRAINAGE & UTILITIES. INLETS SHALL BE PROTECTED USING SILT SACK INLET PROTECTION PER THE ATTACHED DETAILS.

9. FINALIZE SUB-GRADE, STONE AND RESPREAD TOPSOIL.

10. INSTALL PAVING & CURBING.

11. ESTABLISH VEGETATION ON ALL DISTURBED AREAS PER SEEDING SPECS.

12. FOLLOWING STABILIZATION, MODIFY OUTLET STRUCTURE TO MAKE PERMANENT AND REMOVE ACCUMULATED SEDIMENT TO RESTORE THE POND TO ITS DESIGN VOLUME. THE SITE'S TEMPORARY EROSION CONTROL BMP'S SHALL BE REMOVED AND A NOTICE OF TERMINATION SHALL BE FILED WITH TDEC.

13. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE TDEC EROSION CONTROL HANDBOOK AND THE REGULATIONS OF JEFFERSON CITY.

*ADDITIONAL SEDIMENT CONTROL BMP'S MAY BE REQUIRED AS DICTATED BY SEQUENCE OF CONSTRUCTION.

EROSION & SEDIMENT CONTROL NOTES

1. THE LOCATIONS OF ALL UNDERGROUND UTILITIES SHOWN HEREON ARE APPROXIMATE AND ARE BASED ON FIELD LOCATION OF VISIBLE STRUCTURES SUCH AS CATCH BASINS, MANHOLES, WATER VALVES, ETC., AND COMPILING INFORMATION FROM PLANS SUPPLIED BY VARIOUS UTILITY COMPANIES AND GOVERNMENT AGENCIES. THE CONTRACTORS SHALL NOTIFY IN WRITING ALL UTILITY COMPANIES AND GOVERNMENT AGENCIES AND ALSO CALL TENN ONE-CALL PRIOR TO ANY EXCAVATION WORK, TO VERIFY INFORMATION SHOWN AND DETERMINE THE LAYOUT OF THE IRRIGATION SYSTEM AND IF ADDITIONAL IMPROVEMENTS MAY EXIST.

2. THE CONTRACTOR SHALL AVOID TRACKING MUD AND SILT ONTO EXISTING ROADS AND SHALL BE RESPONSIBLE FOR CLEANUP OF ANY VIOLATION.

3. ALL CONSTRUCTION SHALL COMPLY WITH THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP).

4. ALL UNIMPROVED AREAS SHALL BE LANDSCAPED OR GRASSED. GRASS SPECIFICATIONS AS FOLLOWS:
   TOPSOIL TO UNIFORM DEPTH OF 4"
   AGRICULTURAL LIME – 3 TONS/ACRE
   3.0 LBS. KY 31 FESCUE PER 1,000 SQ. FT.
   0.5 LBS. ENGLISH RYE PER 1,000 SQ. FT.
   10 LBS. DRY FERTILIZER (12-24-24 OR EQUAL) PER 1,000 SQ. FT.

   100 LBS DRY STRAW PER 1,000 SQ. FT. (EXCEPT WHERE EROSION CONTROL FABRIC REQUIRED)

   ALL GRASSED SLOPES 3:1 OR STEEPER TO HAVE ECM (VERDYOL OR EQUAL)

   IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ESTABLISH A FULL, EVEN STAND OF VEGETATION ON THE AREAS TO BE SEEDED. SPARSE AREAS SHALL BE SCARIFIED AND RESEEDED UNTIL A FULL STAND IS ESTABLISHED.

5. THE OWNER IS RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF CONSTRUCTION OF SITE POLLUTION PREVENTION CONTROLS THROUGHOUT THE LIFE OF THE PROJECT.

6. SEE DETAILS ON SHEET C-20 FOR OUTLET STRUCTURE HOLES THAT ARE TO REMAIN PLUGGED DURING CONSTRUCTION.

7. ADEQUATE DRAINAGE, EROSION AND SEDIMENT CONTROL MEASURES, BEST MANAGEMENT PRACTICES, AND/OR OTHER STORMWATER MANAGEMENT FACILITIES SHALL BE PROVIDED AND MAINTAINED AT ALL TIMES DURING CONSTRUCTION. DAMAGES TO ADJACENT PROPERTY AND/OR THE CONSTRUCTION SITE CAUSED BY THE CONTRACTOR'S OR PROPERTY OWNER'S FAILURE TO PROVIDE AND MAINTAIN ADEQUATE DRAINAGE AND EROSION/SEDIMENT CONTROL FOR THE CONSTRUCTION AREA SHALL BE THE RESPONSIBILITY OF THE GRADING PERMITTEE.

8. THE PROPOSED SEDIMENT CONTROL MEASURES ARE DESIGNED TO ACCOMMODATE A 5-YEAR, 24-HOUR STORM.

9. THE TOTAL AREA DISTURBED AS PART OF THIS PHASE IS APPROXIMATELY 21.7-ACRES.

10. TEMPORARY SEEDING IS REQUIRED WHEN GRADING OPERATIONS ARE TEMPORARILY HALTED FOR OVER 14 DAYS AND ON SOIL STOCKPILES. PERMANENT SEEDING IS REQUIRED WHEN GRADING OPERATIONS ARE COMPLETED AND WHEN CONSTRUCTION OPERATIONS WILL NOT IMPACT THE DISTURBED AREA. SEED AREAS THAT SHOW SIGNS OF EXCESSIVE EROSION.

11. THIS SITE IS A PRIORITY CONSTRUCTION ACTIVITY.

GRID NORTH

GRAPHIC SCALE
40 0 40 80

CHRISTOPHER A. SHAW
REGISTERED ENGINEER
NO. 00109555
COMMERCIAL
STATE OF TENNESSEE
6/4/25

SHEET C-13

Tennessee811

REFERENCE:
DEED BOOK: 363, PAGE: 92

REVISION	DATE	DESCRIPTION	BY

EROSION & SEDIMENT CONTROL PLAN (PHASE 2)

CANNONS CROSSING S/D

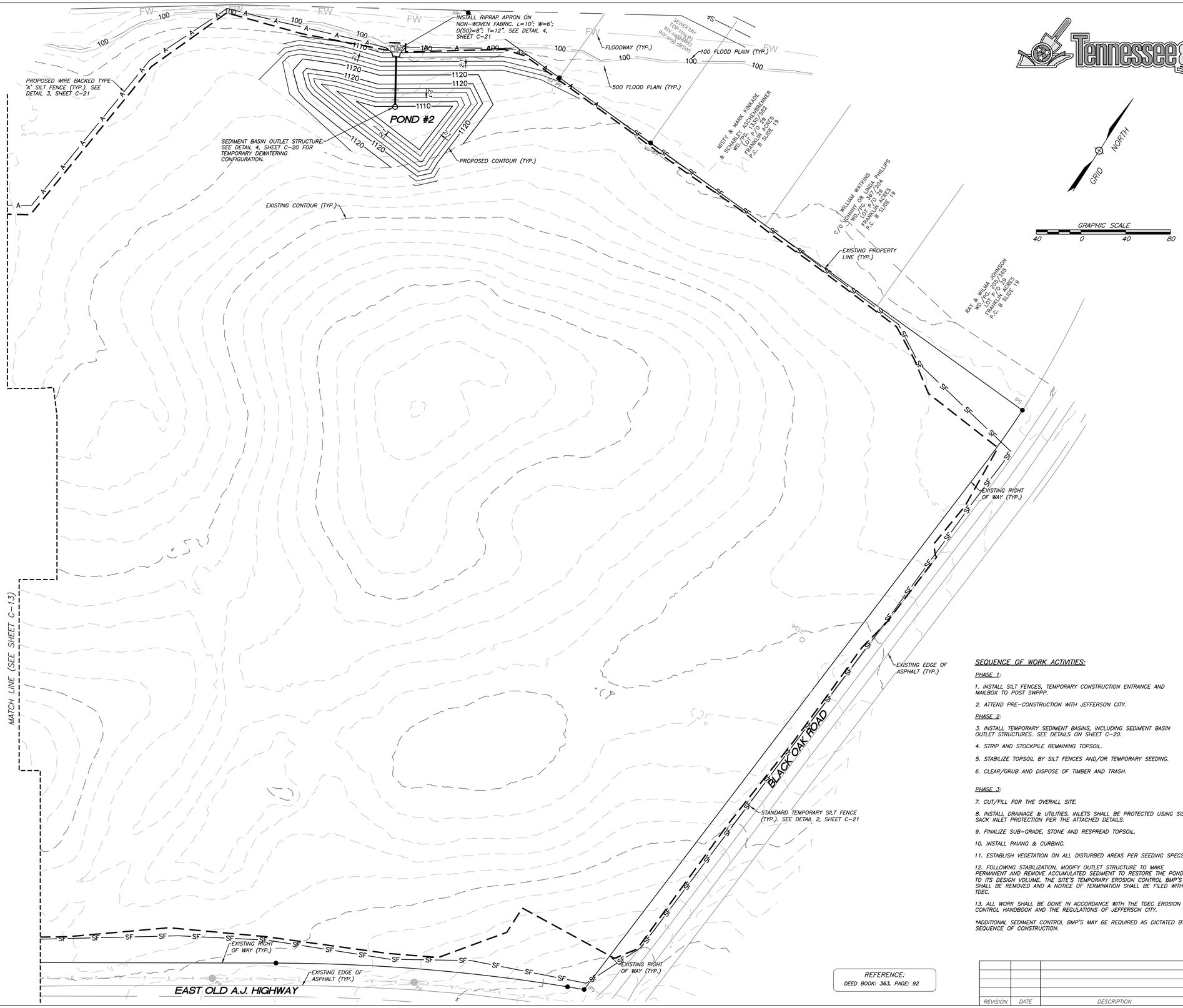
SITE ADDRESS: 412 EAST OLD A.J. HIGHWAY (37760)

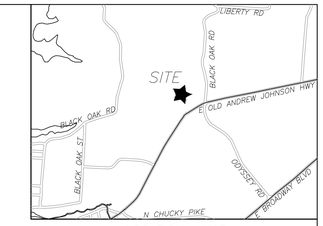
DEVELOPER:
CRAFTED MILESTONE, LLC
296 BOYDS SCHOOL ROAD
MORRISTOWN, TN 37813

DIST NO. 04 — JEFFERSON CITY, TN
TAX MAP: 15 — PARCEL: 10.00
SCALE: 1"=40' — JUNE 4, 2025

URBAN ENGINEERING, INC.
10330 HARDIN VALLEY RD, #201
KNOXVILLE, TENNESSEE 37932
(865) 966-1924

DWN: CLM | CHK: CAS | DWG. NO. 2505010





LOCATION MAP

EROSION & SEDIMENT CONTROL NOTES

1. THE LOCATIONS OF ALL UNDERGROUND UTILITIES SHOWN HEREON ARE APPROXIMATE AND ARE BASED ON FIELD LOCATION OF VISIBLE STRUCTURES SUCH AS CATCH BASINS, MANHOLES, WATER VALVES, ETC., AND COMPILING INFORMATION FROM PLANS SUPPLIED BY VARIOUS UTILITY COMPANIES AND GOVERNMENT AGENCIES. THE CONTRACTORS SHALL NOTIFY IN WRITING ALL UTILITY COMPANIES AND GOVERNMENT AGENCIES AND ALSO CALL TENN ONE-CALL PRIOR TO ANY EXCAVATION WORK, TO VERIFY INFORMATION SHOWN AND DETERMINE THE LAYOUT OF THE IRRIGATION SYSTEM AND IF ADDITIONAL IMPROVEMENTS MAY EXIST.

2. THE CONTRACTOR SHALL AVOID TRACKING MUD AND SILT ONTO EXISTING ROADS AND SHALL BE RESPONSIBLE FOR CLEANUP OF ANY VIOLATION.

3. ALL CONSTRUCTION SHALL COMPLY WITH THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP).

4. ALL UNIMPROVED AREAS SHALL BE LANDSCAPED OR GRASSED. GRASS SPECIFICATIONS AS FOLLOWS:
   TOPSOIL TO UNIFORM DEPTH OF 4"
   AGRICULTURAL LIME – 3 TONS/ACRE
   3.0 LBS. KY 31 FESCUE PER 1,000 SQ. FT.
   0.5 LBS. ENGLISH RYE PER 1,000 SQ. FT.
   10 LBS. DRY FERTILIZER (12-24-24 OR EQUAL) PER 1,000 SQ. FT.

   100 LBS DRY STRAW PER 1,000 SQ. FT. (EXCEPT WHERE EROSION CONTROL FABRIC REQUIRED)

   ALL GRASSED SLOPES 3:1 OR STEEPER TO HAVE ECM (VERDYOL OR EQUAL)

   IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ESTABLISH A FULL, EVEN STAND OF VEGETATION ON THE AREAS TO BE SEEDED. SPARSE AREAS SHALL BE SCARIFIED AND RESEEDED UNTIL A FULL STAND IS ESTABLISHED.

5. THE OWNER IS RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF CONSTRUCTION OF SITE POLLUTION PREVENTION CONTROLS THROUGHOUT THE LIFE OF THE PROJECT.

6. SEE DETAILS ON SHEET C-20 FOR OUTLET STRUCTURE HOLES THAT ARE TO REMAIN PLUGGED DURING CONSTRUCTION.

7. ADEQUATE DRAINAGE, EROSION AND SEDIMENT CONTROL MEASURES, BEST MANAGEMENT PRACTICES, AND/OR OTHER STORMWATER MANAGEMENT FACILITIES SHALL BE PROVIDED AND MAINTAINED AT ALL TIMES DURING CONSTRUCTION. DAMAGES TO ADJACENT PROPERTY AND/OR THE CONSTRUCTION SITE CAUSED BY THE CONTRACTOR'S OR PROPERTY OWNER'S FAILURE TO PROVIDE AND MAINTAIN ADEQUATE DRAINAGE AND EROSION/SEDIMENT CONTROL FOR THE CONSTRUCTION AREA SHALL BE THE RESPONSIBILITY OF THE GRADING PERMITTEE.

8. THE PROPOSED SEDIMENT CONTROL MEASURES ARE DESIGNED TO ACCOMMODATE A 5-YEAR, 24-HOUR STORM.

9. THE TOTAL AREA DISTURBED AS PART OF THIS PHASE IS APPROXIMATELY 21.7-ACRES.

10. TEMPORARY SEEDING IS REQUIRED WHEN GRADING OPERATIONS ARE TEMPORARILY HALTED FOR OVER 14 DAYS AND ON SOIL STOCKPILES. PERMANENT SEEDING IS REQUIRED WHEN GRADING OPERATIONS ARE COMPLETED AND WHEN CONSTRUCTION OPERATIONS WILL NOT IMPACT THE DISTURBED AREA. SEED AREAS THAT SHOW SIGNS OF EXCESSIVE EROSION.

11. THIS SITE IS A PRIORITY CONSTRUCTION ACTIVITY.

SEQUENCE OF WORK ACTIVITIES:

PHASE 1:

1. INSTALL SILT FENCES, TEMPORARY CONSTRUCTION ENTRANCE AND MAILBOX TO POST SWPPP.

2. ATTEND PRE-CONSTRUCTION WITH JEFFERSON CITY.

PHASE 2:

3. INSTALL TEMPORARY SEDIMENT BASINS, INCLUDING SEDIMENT BASIN OUTLET STRUCTURES. SEE DETAILS ON SHEET C-20.

4. STRIP AND STOCKPILE REMAINING TOPSOIL.

5. STABILIZE TOPSOIL BY SILT FENCES AND/OR TEMPORARY SEEDING.

6. CLEAR/GRUB AND DISPOSE OF TIMBER AND TRASH.

PHASE 3:

7. CUT/FILL FOR THE OVERALL SITE.

8. INSTALL DRAINAGE & UTILITIES. INLETS SHALL BE PROTECTED USING SILT SACK INLET PROTECTION PER THE ATTACHED DETAILS.

9. FINALIZE SUB-GRADE, STONE AND RESPREAD TOPSOIL.

10. INSTALL PAVING & CURBING.

11. ESTABLISH VEGETATION ON ALL DISTURBED AREAS PER SEEDING SPECS.

12. FOLLOWING STABILIZATION, MODIFY OUTLET STRUCTURE TO MAKE PERMANENT AND REMOVE ACCUMULATED SEDIMENT TO RESTORE THE POND TO ITS DESIGN VOLUME. THE SITE'S TEMPORARY EROSION CONTROL BMP'S SHALL BE REMOVED AND A NOTICE OF TERMINATION SHALL BE FILED WITH TDEC.

13. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE TDEC EROSION CONTROL HANDBOOK AND THE REGULATIONS OF JEFFERSON CITY.

*ADDITIONAL SEDIMENT CONTROL BMP'S MAY BE REQUIRED AS DICTATED BY SEQUENCE OF CONSTRUCTION.

REFERENCE:
DEED BOOK: 363, PAGE: 92

REVISION	DATE	DESCRIPTION	BY

CHRISTOPHER A. SKALSKI
REGISTERED ENGINEER
No. 001089
COMMISSIONED
STATE OF TENNESSEE
7-4-25

SHEET C-14

EROSION & SEDIMENT CONTROL PLAN (PHASE 2)

CANNONS CROSSING S/D

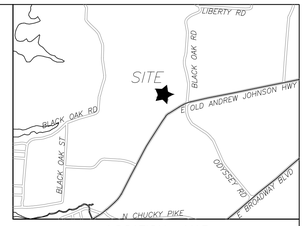
SITE ADDRESS: 412 EAST OLD A.J. HIGHWAY (37760)

DEVELOPER:
CRAFTED MILESTONE, LLC
296 BOYDS SCHOOL ROAD
MORRISTOWN, TN 37813

DIST NO. 04 — JEFFERSON CITY, TN
TAX MAP: 15 — PARCEL: 10.00
SCALE: 1"=40' — JUNE 4, 2025

URBAN ENGINEERING, INC.
10330 HARDIN VALLEY RD, #201
KNOXVILLE, TENNESSEE 37932
(865) 966-1924

DWN: CLM | CHK: CAS | DWG. NO. 2505010



LOCATION MAP

SEQUENCE OF WORK ACTIVITIES:

PHASE 1:

1. INSTALL SILT FENCES, TEMPORARY CONSTRUCTION ENTRANCE AND MAILBOX TO POST SWPPP.

2. ATTEND PRE-CONSTRUCTION WITH JEFFERSON CITY.

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3. INSTALL TEMPORARY SEDIMENT BASINS, INCLUDING SEDIMENT BASIN OUTLET STRUCTURES. SEE DETAILS ON SHEET C-20.

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EROSION & SEDIMENT CONTROL NOTES

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6. SEE DETAILS ON SHEET C-20 FOR OUTLET STRUCTURE HOLES THAT ARE TO REMAIN PLUGGED DURING CONSTRUCTION.

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11. THIS SITE IS A PRIORITY CONSTRUCTION ACTIVITY.

GRID NORTH

GRAPHIC SCALE
40 0 40 80

CHRISTOPHER A. SHULL
REGISTERED ENGINEER
NO. 0010898
COMMERCIAL
STATE OF TENNESSEE
6-4-25

SHEET C-15

Tennessee811

REFERENCE:
DEED BOOK: 363, PAGE: 92

REVISION	DATE	DESCRIPTION	BY

EROSION & SEDIMENT CONTROL PLAN (PHASE 3)

CANNONS CROSSING S/D

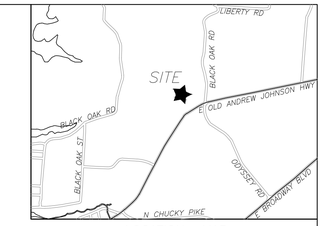
SITE ADDRESS: 412 EAST OLD A.J. HIGHWAY (37760)

DEVELOPER:
CRAFTED MILESTONE, LLC
296 BOYDS SCHOOL ROAD
MORRISTOWN, TN 37813

DIST NO. 04 — JEFFERSON CITY, TN
TAX MAP: 15 — PARCEL: 10.00
SCALE: 1"=40' — JUNE 4, 2025

URBAN ENGINEERING, INC.
10330 HARDIN VALLEY RD, #201
KNOXVILLE, TENNESSEE 37932
(865) 966-1924

DWN: CLM | CHK: CAS | DWG. NO. 2505010



LOCATION MAP

EROSION & SEDIMENT CONTROL NOTES

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   0.5 LBS. ENGLISH RYE PER 1,000 SQ. FT.
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11. THIS SITE IS A PRIORITY CONSTRUCTION ACTIVITY.

SEQUENCE OF WORK ACTIVITIES:

PHASE 1:

1. INSTALL SILT FENCES, TEMPORARY CONSTRUCTION ENTRANCE AND MAILBOX TO POST SWPPP.
2. ATTEND PRE-CONSTRUCTION WITH JEFFERSON CITY.

PHASE 2:

3. INSTALL TEMPORARY SEDIMENT BASINS, INCLUDING SEDIMENT BASIN OUTLET STRUCTURES. SEE DETAILS ON SHEET C-20.
4. STRIP AND STOCKPILE REMAINING TOPSOIL.
5. STABILIZE TOPSOIL BY SILT FENCES AND/OR TEMPORARY SEEDING.
6. CLEAR/GRUB AND DISPOSE OF TIMBER AND TRASH.

PHASE 3:

7. CUT/FILL FOR THE OVERALL SITE.
8. INSTALL DRAINAGE & UTILITIES. INLETS SHALL BE PROTECTED USING SILT SACK INLET PROTECTION PER THE ATTACHED DETAILS.
9. FINALIZE SUB-GRADE, STONE AND RESPREAD TOPSOIL.
10. INSTALL PAVING & CURBING.
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12. FOLLOWING STABILIZATION, MODIFY OUTLET STRUCTURE TO MAKE PERMANENT AND REMOVE ACCUMULATED SEDIMENT TO RESTORE THE POND TO ITS DESIGN VOLUME. THE SITE'S TEMPORARY EROSION CONTROL BMP'S SHALL BE REMOVED AND A NOTICE OF TERMINATION SHALL BE FILED WITH TDEC.
13. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE TDEC EROSION CONTROL HANDBOOK AND THE REGULATIONS OF JEFFERSON CITY.

*ADDITIONAL SEDIMENT CONTROL BMP'S MAY BE REQUIRED AS DICTATED BY SEQUENCE OF CONSTRUCTION.

REFERENCE:
DEED BOOK: 363, PAGE: 92

REVISION	DATE	DESCRIPTION	BY

CHRISTOPHER A. SHAW
REGISTERED ENGINEER
No. 001089
COMMERCIAL
STATE OF TENNESSEE
6-4-25

SHEET C-16

EROSION & SEDIMENT CONTROL PLAN (PHASE 3)

CANNONS CROSSING S/D

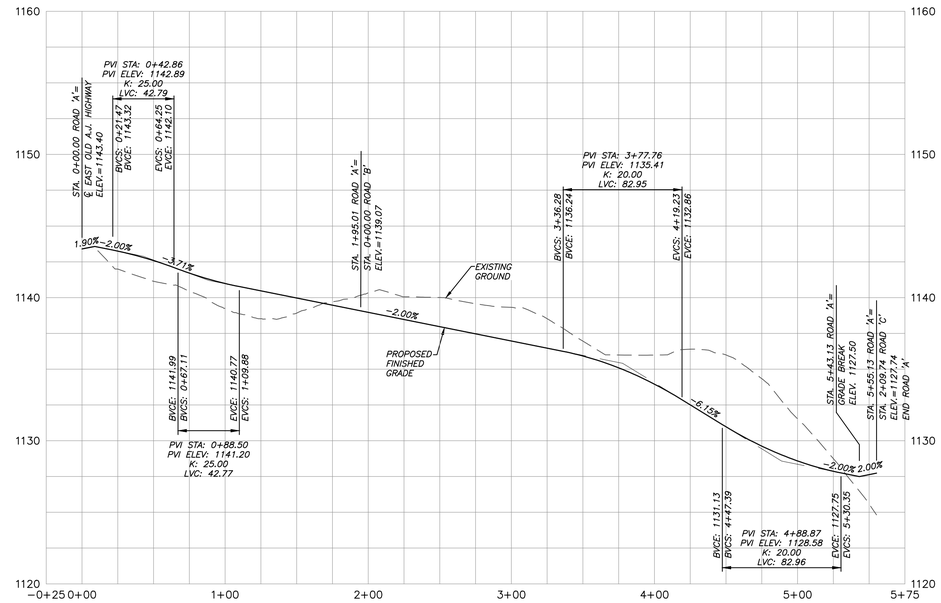
SITE ADDRESS: 412 EAST OLD A.J. HIGHWAY (37760)

DEVELOPER:
CRAFTED MILESTONE, LLC
296 BOYDS SCHOOL ROAD
MORRISTOWN, TN 37813

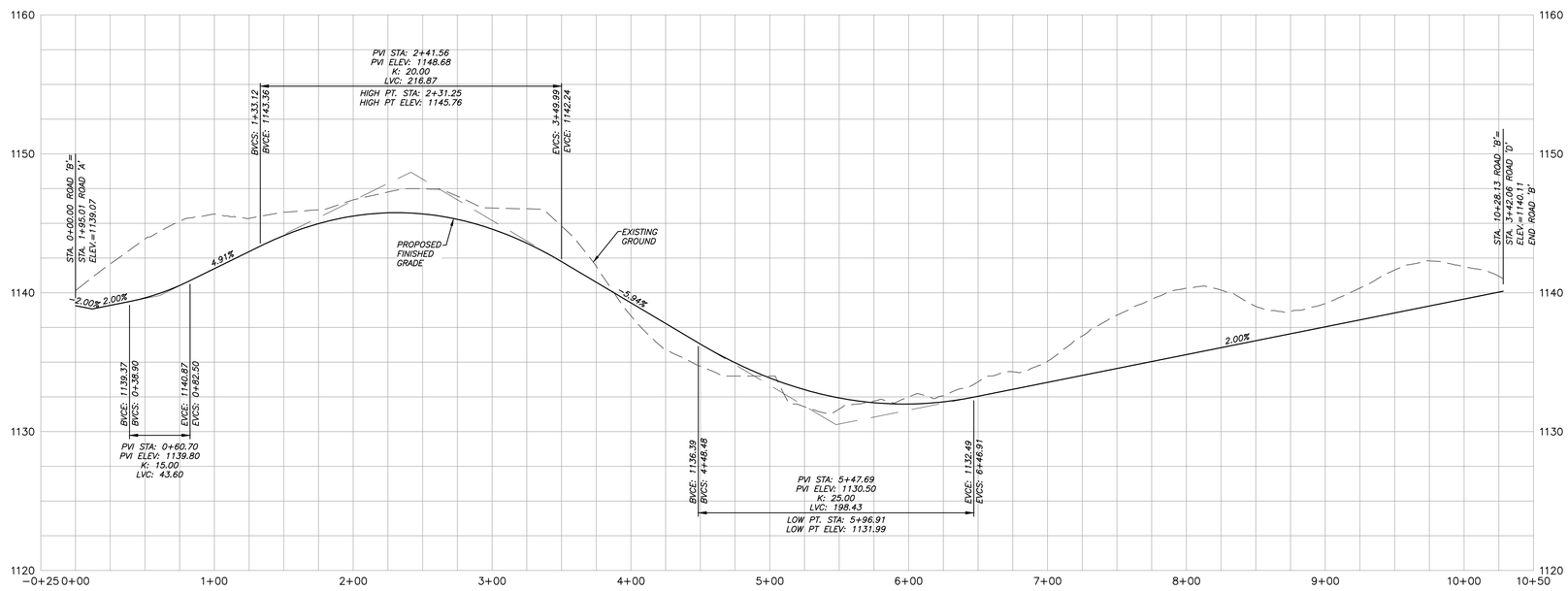
DIST NO. 04 — JEFFERSON CITY, TN
TAX MAP: 15 — PARCEL: 10.00
SCALE: 1"=40' — JUNE 4, 2025

URBAN ENGINEERING, INC.
10330 HARDIN VALLEY RD, #201
KNOXVILLE, TENNESSEE 37932
(865) 966-1924

DWN: CLM | CHK: CAS | DWG. NO. 2505010



PROFILE–ROAD 'A'
1"=50' (HORIZONTAL)
1"=5' (VERTICAL)



PROFILE–ROAD 'B'
1"=50' (HORIZONTAL)
1"=5' (VERTICAL)

SHEET C–17

ROAD PROFILES

CANNONS CROSSING S/D

SITE ADDRESS: 412 EAST OLD A.J. HIGHWAY (37760)

DEVELOPER:
CRAFTED MILESTONE, LLC
296 BOYDS SCHOOL ROAD
MORRISTOWN, TN 37813

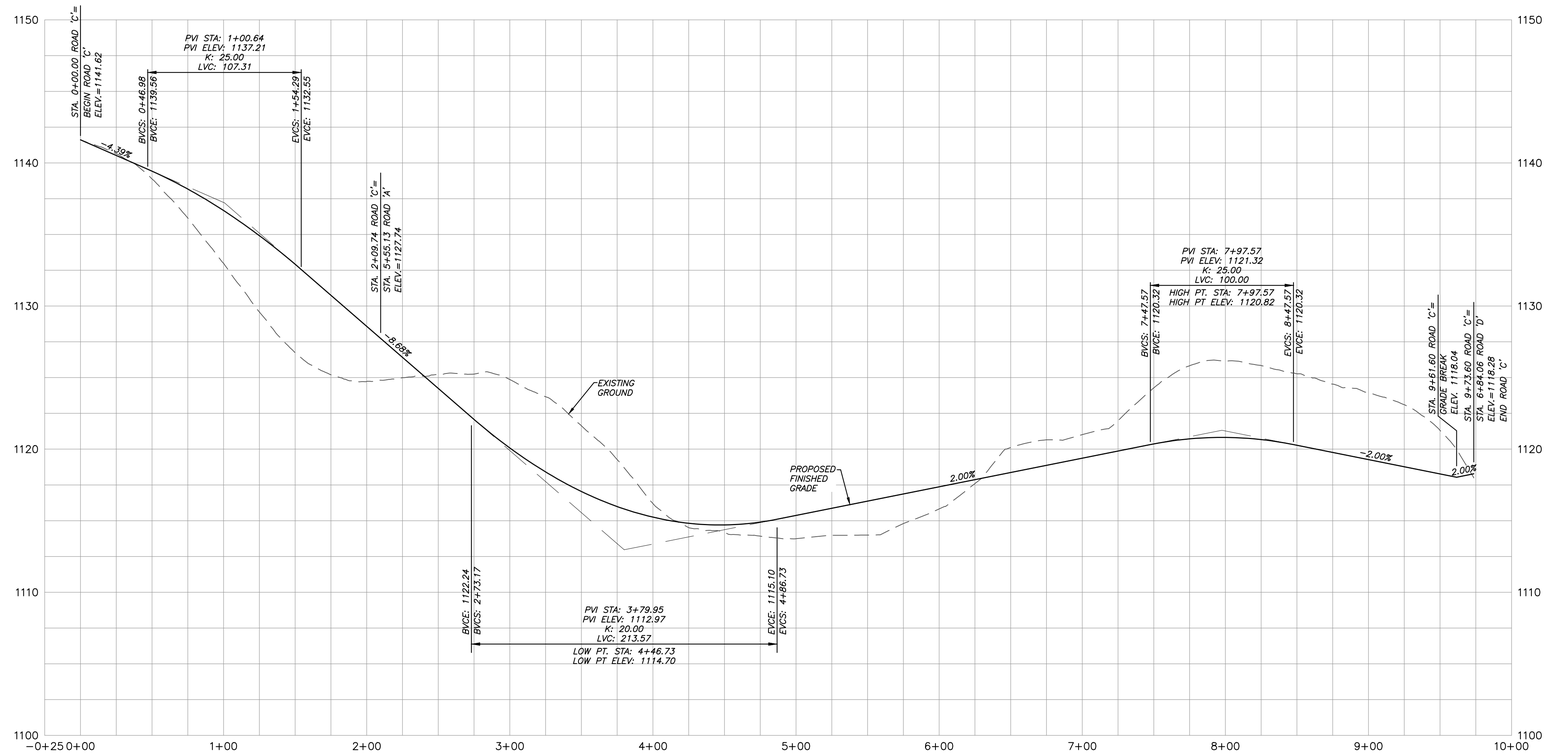
DIST NO. 04	JEFFERSON CITY, TN
TAX MAP: 15	PARCEL: 10.00
SCALE: AS NOTED	JUNE 4, 2025

URBAN ENGINEERING, INC.
10330 HARDIN VALLEY RD, #201
KNOXVILLE, TENNESSEE 37932
(865) 966–1924

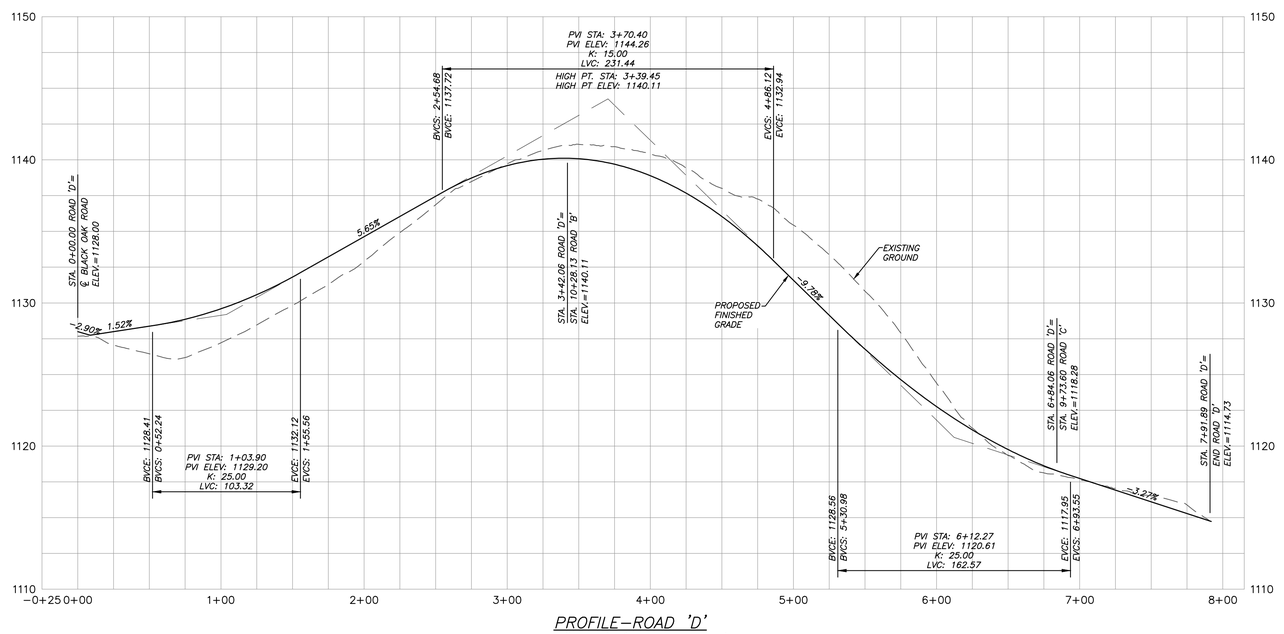
REVISION	DATE	DESCRIPTION	BY

DWN: CLM | CHK: CAS | DWG. NO. 2505010

Tennessee 811



PROFILE–ROAD 'C'
1"=50' (HORIZONTAL)
1"=5' (VERTICAL)



PROFILE–ROAD 'D'
1"=50' (HORIZONTAL)
1"=5' (VERTICAL)

SHEET C–18

ROAD PROFILES

CANNONS CROSSING S/D

SITE ADDRESS: 412 EAST OLD A.J. HIGHWAY (37760)

DEVELOPER:
CRAFTED MILESTONE, LLC
296 BOYDS SCHOOL ROAD
MORRISTOWN, TN 37813

DIST NO. 04 — JEFFERSON CITY, TN
TAX MAP: 15 — PARCEL: 10.00
SCALE: AS NOTED — JUNE 4, 2025

URBAN ENGINEERING, INC.
10330 HARDIN VALLEY RD, #201
KNOXVILLE, TENNESSEE 37932
(865) 966–1924

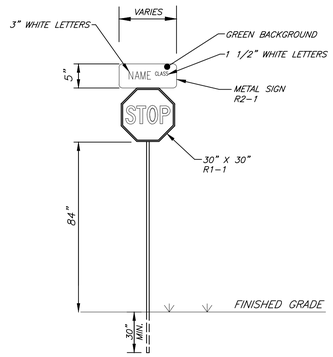
DWN: CLM | CHK: CAS | DWG. NO. 2505010

REVISION	DATE	DESCRIPTION	BY

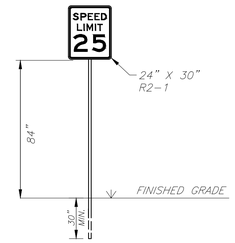
Tennessee 811

SIGN NOTE:

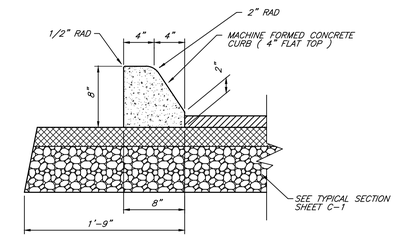
SIGNAGE AND STRIPING TO BE IN ACCORDANCE WITH THE MUTCD (LATEST EDITION).



1 C-19 COMBINATION STOP SIGN / STREET NAME SIGN DETAIL

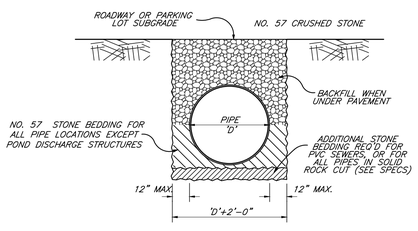


2 C-19 SPEED LIMIT SIGN DETAIL



3 C-19 TYPE 'B' CURB AND PAVEMENT DETAIL

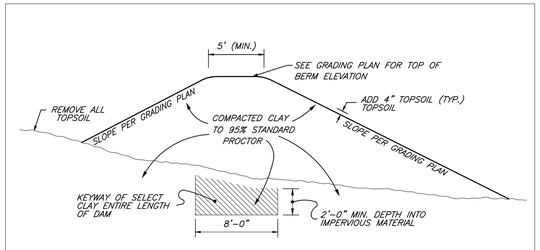
N.T.S.



FOR ALL ELECTRICAL, SEWER, AND WATER PIPING

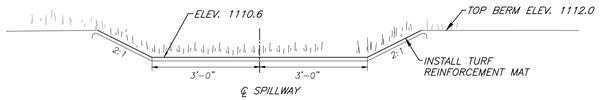
4 C-19 PIPE BEDDING & BACKFILL DETAIL

N.T.S.



5 C-19 DAM DETAIL

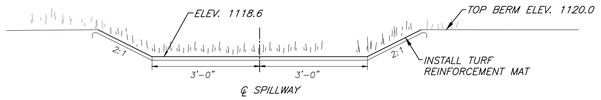
TYPICAL SECTION



SEED, LIME, FERTILIZER PER SPEC. ON SHEETS C-12 THRU C-16

6 C-19 IMPROVED GRASSED SPILLWAY DETAIL (POND 1)

N.T.S.



SEED, LIME, FERTILIZER PER SPEC. ON SHEETS C-12 THRU C-16

7 C-19 IMPROVED GRASSED SPILLWAY DETAIL (POND 2)

N.T.S.

SHEET C-19

CONSTRUCTION DETAILS

CANNONS CROSSING S/D

SITE ADDRESS: 412 EAST OLD A.J. HIGHWAY (37760)

DEVELOPER:

CRAFTED MILESTONE, LLC
296 BOYDS SCHOOL ROAD
MORRISTOWN, TN 37813

DIST NO. 04 — JEFFERSON CITY, TN

TAX MAP: 15 — PARCEL: 10.00

SCALE: AS NOTED — JUNE 4, 2025

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KNOXVILLE, TENNESSEE 37932
(865) 966-1924

DWN: CLM | CHK: CAS | DWG. NO. 2505010

REVISION	DATE	DESCRIPTION	BY

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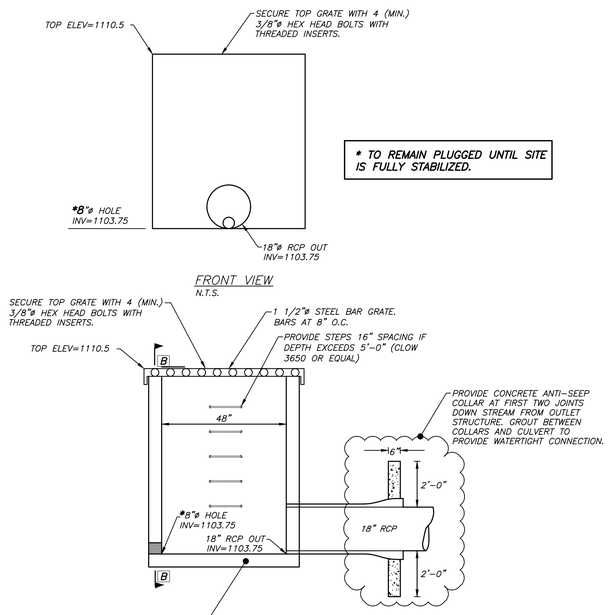

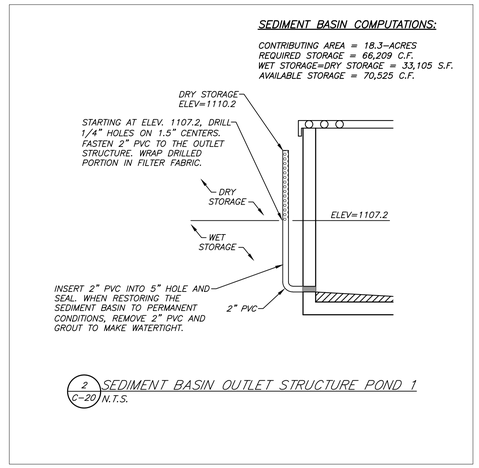

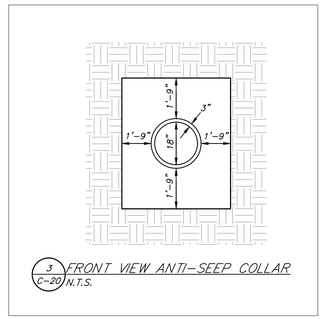

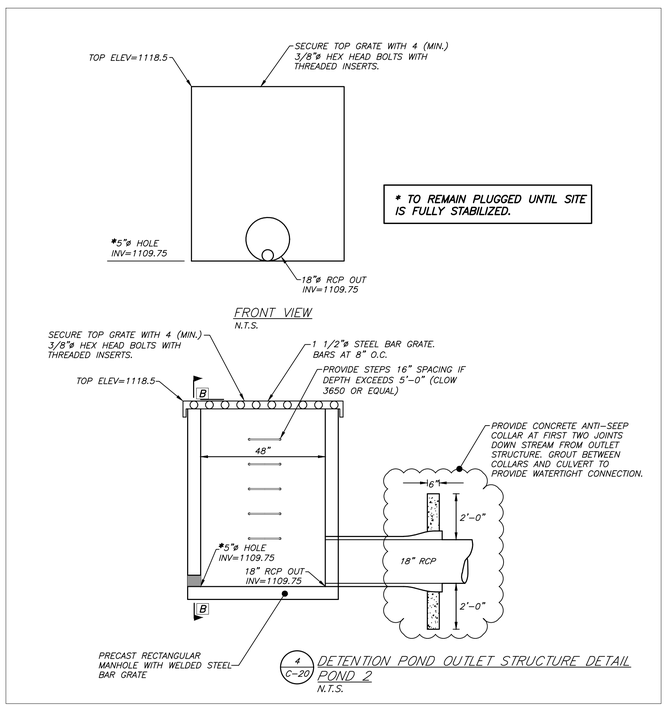

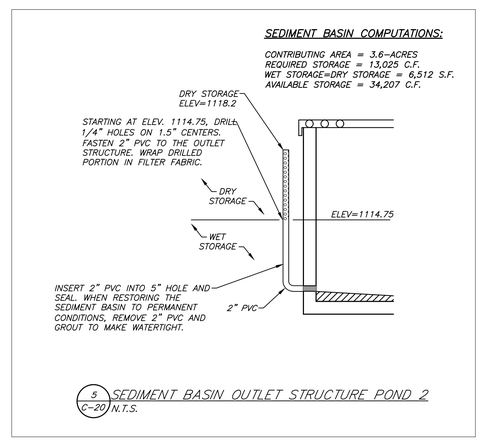

SHEET C-20

CONSTRUCTION DETAILS

CANNONS CROSSING S/D

SITE ADDRESS: 412 EAST OLD A.J. HIGHWAY (37760)

DEVELOPER:
CRAFTED MILESTONE, LLC
296 BOYDS SCHOOL ROAD
MORRISTOWN, TN 37813

DIST NO. 04	JEFFERSON CITY, TN
TAX MAP: 15	PARCEL: 10.00
SCALE: AS NOTED	JUNE 4, 2025

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KNOXVILLE, TENNESSEE 37932
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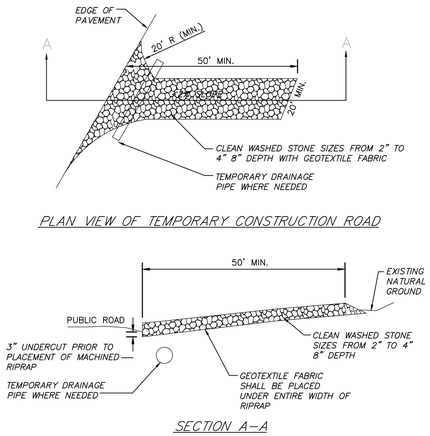
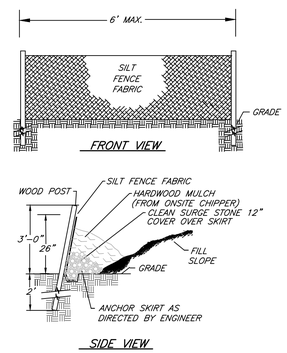
REVISION	DATE	DESCRIPTION	BY

DWN: CLM | CHK: CAS | DWG. NO. 2505010



1 C-21 TEMPORARY CONSTRUCTION ENTRANCE
N.T.S.

SILT FENCE NOTES:
-SILT FENCE/STRAW BALE CHECK DAM
-USE SILT FENCE ONLY WHEN DRAINAGE AREA PLACEMENT SUGGESTED AT MINOR SWALES DOES NOT EXCEED 1/4 ACRE PER 100 FEET OF FENCE AND NEVER IN AREAS OF CONCENTRATED FLOW GREATER THAN ONE CUBIC FEET PER SECOND



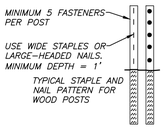
2 C-21 STANDARD TEMPORARY SILT FENCE
N.T.S.

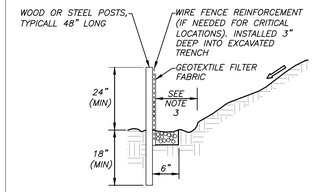
NOTES:

1. POST SPACING SHALL BE 8' MAXIMUM FOR TYPICAL APPLICATIONS AT THE BOTTOM OF SLOPES OR ALONG SITE PERIMETER.

2. POST SPACING SHALL BE 6' MAXIMUM AT THE BOTTOM OF STEEP SLOPES. POST SPACING SHALL BE 4' MAXIMUM WITHIN A DRAINAGE CHANNEL.

3. PLACE SILT FENCE AT LEAST 5 TO 7 FEET AWAY FROM STEEP OR LONG SLOPES TO IMPOUND STORMWATER RUNOFF. SEE FIGURE ES-14-3 (TDEC HANDBOOK).

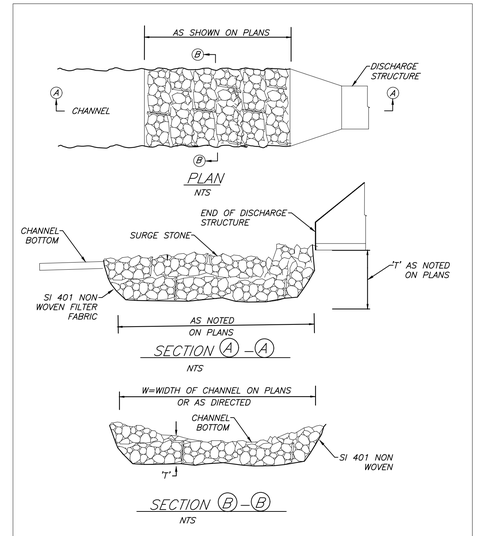




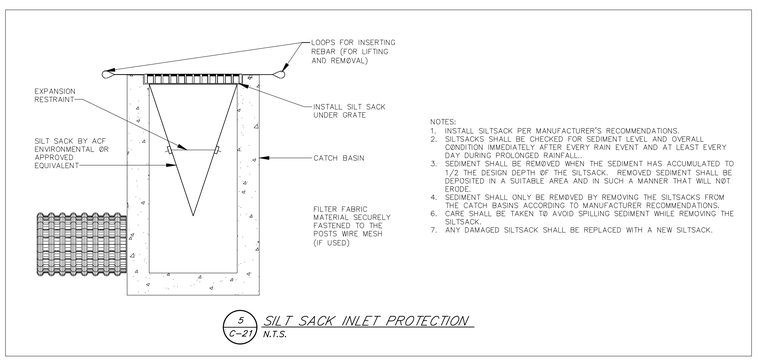
3 C-21 TYPE 'A' SILT FENCE
N.T.S.

SILT FENCE NOTE
(APPLIES TO DETAILS 2 & 3):

WHERE AVAILABLE, MULCH FILTER BERMS ARE AN ACCEPTABLE ALTERNATIVE TO LINEAR SILT FENCE.

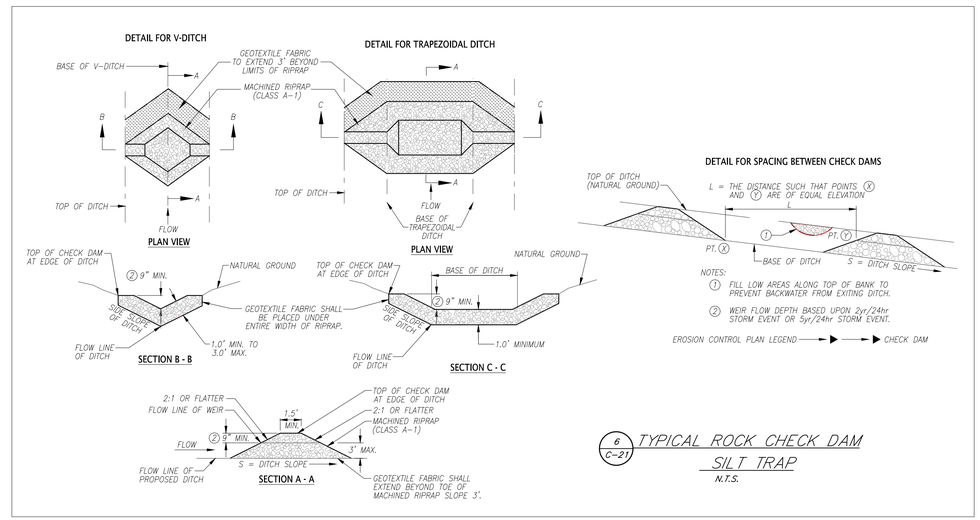


4 C-21 RIP RAP DETAIL

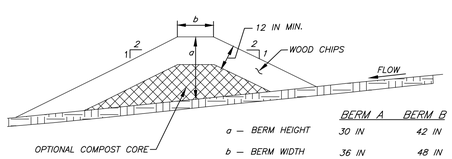


NOTES:
1. INSTALL SILTSACK PER MANUFACTURER'S RECOMMENDATIONS.
2. SILTSACKS SHALL BE CHECKED FOR SEDIMENT LEVEL AND OVERALL CONDITION IMMEDIATELY AFTER EVERY RAIN EVENT AND AT LEAST EVERY DAY DURING PROLONGED RAINFALL.
3. SEDIMENT SHALL BE REMOVED WHEN THE SEDIMENT HAS ACCUMULATED TO 1/2 THE DESIGN DEPTH OF THE SILTSACK. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT WILL NOT ERODE.
4. SEDIMENT SHALL ONLY BE REMOVED BY REMOVING THE SILTSACKS FROM THE CATCH BASINS ACCORDING TO MANUFACTURER RECOMMENDATIONS.
6. CARE SHALL BE TAKEN TO AVOID SPILLING SEDIMENT WHILE REMOVING THE SILTSACK.
7. ANY DAMAGED SILTSACK SHALL BE REPLACED WITH A NEW SILTSACK.

5 C-21 SILT SACK INLET PROTECTION
N.T.S.



6 C-21 TYPICAL ROCK CHECK DAM SILT TRAP
N.T.S.



	BERM A	BERM B
a – BERM HEIGHT	30 IN	42 IN
b – BERM WIDTH	36 IN	48 IN

CROSS SECTION

7 C-21 MULCH BERM
N.T.S.

SHEET C-21

CONSTRUCTION DETAILS

CANNONS CROSSING S/D

SITE ADDRESS: 412 EAST OLD A.J. HIGHWAY (37760)

DEVELOPER:
CRAFTED MILESTONE, LLC
296 BOYDS SCHOOL ROAD
MORRISTOWN, TN 37813

DIST NO. 04 — JEFFERSON CITY, TN
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REVISION	DATE	DESCRIPTION	BY

DWN: CLM | CHK: CAS | DWG. NO. 2505010

Tennessee811

Channel Installation
Instructions EXCEL PP5-8™

Step 1 - Site Preparation

Prepare site to design profile and grade. Remove debris, rocks, clods, etc.. Ground surface should be smooth prior to installation to ensure blanket remains in contact with slope.

Step 2 - Seeding

Seeding of site should be conducted to design requirements or to follow local or state seeding requirements as necessary.

Stap 3 - Staple Selection

At a minimum, 6 in. long by 1 in. crown, 11 gauge staples are to be used to secure the blanket to the ground surface. Installation in rocky, sandy or other loose soil may require longer staples.

Step 4 - Excavate Anchor Trench and Secure Blanket

Excavate a trench along the top of the channel side slopes and the upstream terminal end of the channel to secure the edges of the blanket. The trench should run along the length and width of the installation, be 6 in. wide and 6 in. deep. Staple blanket along bottom of trench, fill with compacted soil, overlap blanket towards toe of slope and secure with row of staples (shown in Figures A, E and F).

Step 5 - Secure Body of Blanket

Roll blanket down slope from anchor trench. Staple body of blanket following the pattern shown in Figure D. Leave end of blanket unstapled to allow for overlap shown in Figure B. Place downstream blanket underneath upstream blanket to form shingle pattern. Staple seam as shown in Figure E. Secure downstream blanket with stapling pattern shown in Figure D. Stapling pattern shown in Figure D reflects minimum staples to be used. More staples may be required to ensure blanket is sufficiently secured to resist mowers and foot traffic and to ensure blanket is in contact with soil surface over the entire area of blanket. Further, critical points require additional staples. Critical points are identified in Figure G.

Step 6 - Continue Along Slope - Complete Installation

Overlap adjacent blankets as shown in Figure C and repeat Step 5. Secure toe of slope using stapling pattern shown in Figure E. Secure edges of installation by stapling at 1.5' intervals along the terminal edge.

*** Drawings Not to Scale**

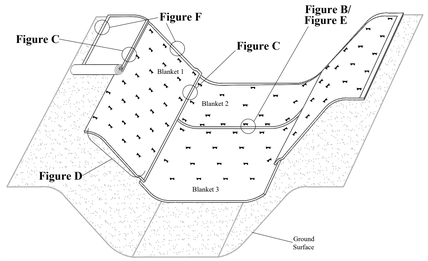


Figure A

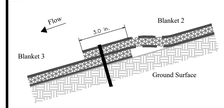


Figure B - Profile View

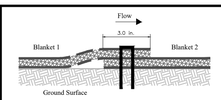


Figure C - Cross Section View

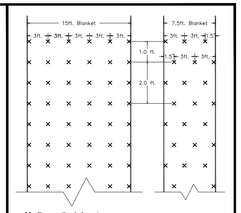


Figure D - Plan View

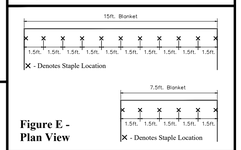


Figure E - Plan View

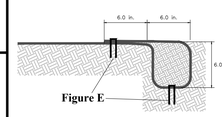


Figure F - Profile View

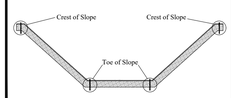


Figure G - Critical Point Securing

Product Application/Equivalency Specifications

Excel PP5-8 is produced by Western Excelsior and consists of an permanent Rolled Erosion Control Product (RECP) comprised of a synthetic fiber blend matrix mechanically (stitch) bound between two, UV stable heavy duty synthetic nets (top and bottom). The expected longevity of Excel PP5-8 is greater than 36 months (actual longevity dependent on field and climatic conditions). Excel PP5-8 is designed and manufactured to provide immediate erosion control and permanent turf reinforcement and is comprised of physical properties sufficient to provide the intended longevity and performance. Product specifications may be found on document WE_EXCEL_PP58_SPEC and performance information may be found on document WE_EXCEL_PP58_PERF. All documents are available from Western Excelsior Technical Support or www.westernexcelsior.com. Additional to above, equivalent products to Excel PP5-8 must meet identical criteria as Excel PP5-8 as follows:

1. Consist of synthetic fiber matrix confined between two UV stable, heavy duty sythetic nets.
2. Sufficient tensile strength, thickness and coverage to maintain integrity during installation and ensure material performance. Provide permanent turf reinforcement with longevity greater than three years, immune from moisture damage or chemical conditions within the soil.
3. Listing within AASHTO NTPEP database.
4. Meet ECTC specification for category 5A product.

Document # WE_EXCEL_PP58_CII

Slope Installation
Instructions EXCEL PP5-8™

Step 1 - Site Preparation

Prepare site to design profile and grade. Remove debris, rocks, clods, etc.. Ground surface should be smooth prior to installation to ensure blanket remains in contact with slope.

Step 2 - Seeding

Seeding of site should be conducted to design requirements or to follow local or state seeding requirements as necessary.

Stap 3 - Staple Selection

At a minimum, 6 in. long by 1 in. crown, 11 gauge staples are to be used to secure the blanket to the ground surface. Installation in rocky, sandy or other loose soil may require longer staples.

Step 4 - Excavate Anchor Trench and Secure Blanket

Excavate a trench along the top of the slope to secure the upstream end of the blanket. The trench should run along the length of the installation, be 6 in. wide and 6 in. deep. Staple blanket along bottom of trench, fill with compacted soil, overlap blanket towards toe of slope and secure with row of staples (shown in Figures A, E and F).

Step 5 - Secure Body of Blanket

Roll blanket down slope from anchor trench. Staple body of blanket following the pattern shown in Figure D. Leave end of blanket unstapled to allow for overlap shown in Figure B. Place downstream blanket underneath upstream blanket to form shingle pattern. Staple seam as shown in Figure E. Secure downstream blanket with stapling pattern shown in Figure D. Stapling pattern shown in Figure D reflects minimum staples to be used. More staples may be required to ensure blanket is sufficiently secured to resist mowers and foot traffic and to ensure blanket is in contact with soil surface over the entire area of blanket. Further, critical points require additional staples. Critical points are identified in Figure G.

Step 6 - Continue Along Slope - Complete Installation

Overlap adjacent blankets as shown in Figure C and repeat Step 5. Secure toe of slope using stapling pattern shown in Figure E. Secure edges of installation by stapling at 1.5' intervals along the terminal edge.

*** Drawings Not to Scale**

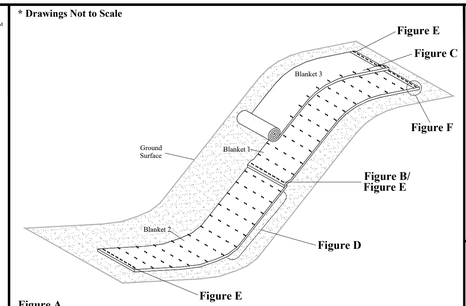


Figure A

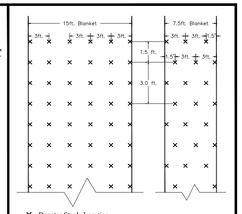


Figure D - Plan View

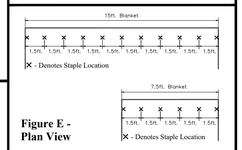


Figure E - Plan View

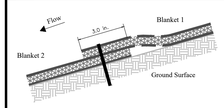


Figure B - Profile View

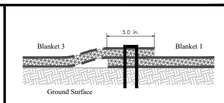


Figure C - Cross Section View

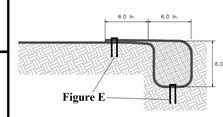


Figure F - Profile View

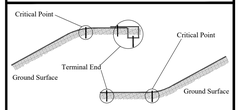


Figure G - Critical Point Securing

Product Application/Equivalency Specifications

Excel PP5-8 is produced by Western Excelsior and consists of an permanent Rolled Erosion Control Product (RECP) comprised of a synthetic fiber blend matrix mechanically (stitch) bound between two, UV stable heavy duty synthetic nets (top and bottom). The expected longevity of Excel PP5-8 is greater than 36 months (actual longevity dependent on field and climatic conditions). Excel PP5-8 is designed and manufactured to provide immediate erosion control and permanent turf reinforcement and is comprised of physical properties sufficient to provide the intended longevity and performance. Product specifications may be found on document WE_EXCEL_PP58_SPEC and performance information may be found on document WE_EXCEL_PP58_PERF. All documents are available from Western Excelsior Technical Support or www.westernexcelsior.com. Additional to above, equivalent products to Excel PP5-8 must meet identical criteria as Excel PP5-8 as follows:

1. Consist of synthetic fiber matrix confined between two UV stable, heavy duty sythetic nets.
2. Sufficient tensile strength, thickness and coverage to maintain integrity during installation and ensure material performance. Provide permanent turf reinforcement with longevity greater than three years, immune from moisture damage or chemical conditions within the soil.
3. Listing within AASHTO NTPEP database.
4. Meet ECTC specification for category 5A product.

Document # WE_EXCEL_PP58_SII

Instalación en Canal
Instrucciones EXCEL PP5-8™

Paso 1 - Preparación del Lugar

Prepare el lugar según el perfil del diseño y de la pendiente. Remueva el escombro, piedras, y terrones, etc. La superficie de la tierra debe estar lisa antes de la instalación para asegurar que el cojín permanezca en contacto con la pendiente.

Paso 2 - Semilla

El sembrado de la semilla en el lugar se debe hacer de acuerdo a los requisitos del diseño o a los requisitos locales y estatales, según sea necesario.

Paso 3 - Selección de Grapas

Lo mínimo que se debe usar son grapas de calibre 11, de 6 in. de largo y 1 in. de corona para sujetar el cojín a la superficie de la tierra. La instalación en tierra rocosa, arenosa o suelta puede requerir grapas más largas.

Paso 4 - Excave Zanja para Anclaje y Sujete el Cojín

Excave una zanja a lo largo de la parte superior de las pendientes de los lados del canal y la orilla de arriba del canal para sujetar las orillas del cojín. La zanja debe correr a lo largo y ancho de la instalación, tener 6 in. de ancho y 6 in. de profundidad. Engrape el cojín a lo largo del fondo de la zanja; llénela con tierra compactada, empalme el cojín hacia la parte inferior de la pendiente y sujételo con una hilera de grapas (Vea las Figuras A, E y F).

Paso 5 - Sujete el Cuerpo del Cojín

Desenrolle el cojín hacia abajo desde la zanja de anclaje. Engrape el cuerpo del cojín siguiendo el patrón que se muestra en la Figura D. Deje la punta del cojín sin engrapar para que lo pueda empalmar como se muestra en la Figura B. Coloque el cojín que baja por debajo del de arriba para formar un patrón como de tejas. Engrape las uniones como se muestra en la figura E. Sujete el cojín de bajada con el patrón de engrapado de la Figura D reflejа el mínimo de grapas que se debe usar. Se pueden requerir más grapas para asegurar que el cojín quede sujetado suficientemente para resistir podadoras y tráfico a pie y para asegurar que el cojín permanezca en contacto con la superficie de la tierra en toda el área. Además, los puntos críticos requieren grapas adicionales. Los puntos críticos están identificados en la Figura G.

Paso 6 - Continúe a lo largo de la Pendiente - Termine la Instalación

Empalme los cojines adyacentes como se muestra en la Figura C y repita el Paso 5. Sujete la parte inferior de la pendiente usando el patrón de grapas que se muestra en la Figura E. Sujete las orillas de la instalación engrapando a intervalos de 1.5' a lo largo de la orilla.

*** El Dibujo No Está a Escala Se.**

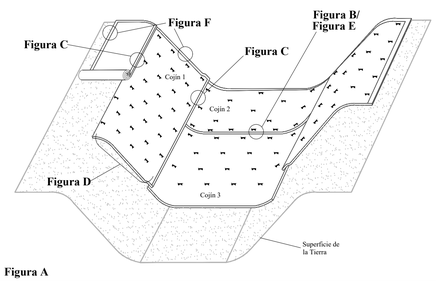


Figura A

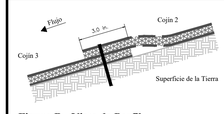


Figura B - Vista de Perfil

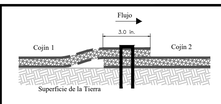


Figura C - Corte de Vista Transversal

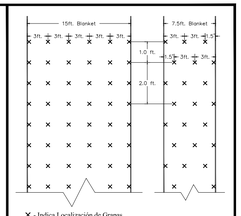


Figura D - Vista del Plano

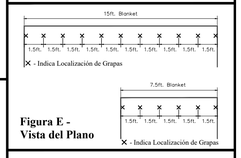


Figura E - Vista del Plano

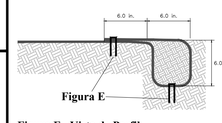


Figura F - Vista de Perfil

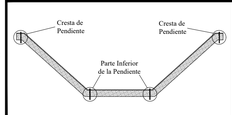


Figura G - Sujeción de Puntos Críticos

Aplicación del Producto/Especificaciones de Equivalencia

Excel PP5-8 es producido por Western Excelsior y consiste de un Producto permanente en Rollo para Control de la Erosión (PCER), formado de una matriz de una mezcla de fibra sintética unida mecánicamente (cosida) entre dos redes sintéticas, de uso rudo, estabilizadas UV (parte superior e inferior). La vida útil del EXCEL PP5-8 es más de 36 meses. (La vida útil real depende del campo y de las condiciones climáticas). El Excel PP5-8 está diseñado y fabricado para proporcionar control inmediato de la erosión y refuerzo permanente para el césped y tiene las suficientes propiedades físicas para proporcionar la vida útil y el rendimiento esperado. Las especificaciones del producto se encuentran en el documento WE_EXCEL_PP58_SPEC y la información de rendimiento se puede encontrar en el documento WE_EXCEL_PP58_PERF. Todos los documentos están disponibles en Western Excelsior Technical Support (Soporte Técnico de Western Excelsior) o en www.westernexcelsior.com. Además de lo anterior, los productos equivalentes a Excel PP5-8 deben cumplir con los siguientes criterios idénticos a Excel PP5-8:

1. Consistente de una matriz de fibra sintética entre dos redes sintéticas de uso rudo, estabilizadas UV.
2. Suficiente fuerza de tensión, grosor y cobertura para mantener su integridad durante la instalación y asegurar el rendimiento del material. Proporcionar refuerzo para el césped con una vida útil de más de tres años, inmune al daño de la humedad o condiciones químicas dentro de la tierra.
3. Incluido en la base de datos AASHTO NTPEP.
4. Cumplir especificación ECTC para productos de categoría 5A.

Document # WE_EXCEL_PP58_CII

Instalación en Pendiente
Instrucciones EXCEL PP5-8™

Paso 1 - Preparación del Lugar

Prepare el lugar según el perfil del diseño y de la pendiente. Remueva el escombro, piedras, y terrones, etc. La superficie de la tierra debe estar lisa antes de la instalación para asegurar que el cojín permanezca en contacto con la pendiente.

Paso 2 - Semilla

El sembrado de la semilla en el lugar se debe hacer de acuerdo a los requisitos del diseño o a los requisitos locales y estatales, según sea necesario.

Paso 3 - Selección de Grapas

Lo mínimo que se debe usar son grapas de calibre 11, de 6 in. de largo y 1 in. de corona para sujetar el cojín a la superficie de la tierra. La instalación en tierra rocosa, arenosa o suelta puede requerir grapas más largas.

Paso 4 - Excave Zanja para Anclaje y Sujete el Cojín

Excave una zanja a lo largo de la parte superior de las pendiente para sujetar la punta de arriba del cojín. La zanja debe correr a lo largo de la instalación, tener 6 in. de ancho y 6 in. de profundidad. Engrape el cojín a lo largo del fondo de la zanja; llénela con tierra compactada, empalme el cojín hacia la parte inferior de la pendiente y sujételo con una hilera de grapas (Vea las Figuras A, E y F).

Paso 5 - Sujete el Cuerpo del Cojín

Desenrolle el cojín hacia abajo desde la zanja de anclaje. Engrape el cuerpo del cojín siguiendo el patrón que se muestra en la Figura D. Deje la punta del cojín sin engrapar para que lo pueda empalmar como se muestra en la Figura B. Coloque el cojín que baja por debajo del de arriba para formar un patrón como de tejas. Engrape las uniones como se muestra en la figura E. Sujete el cojín de bajada con el patrón de engrapado que se muestra en la Figura D. El patrón de engrapado de la Figura D refleja el mínimo de grapas que se debe usar. Se pueden requerir más grapas para asegurar que el cojín quede sujetado suficientemente para resistir podadoras y tráfico a pie y para asegurar que el cojín permanezca en contacto con la superficie de la tierra en toda el área. Además, los puntos críticos requieren grapas adicionales. Los puntos críticos están identificados en la Figura G.

Paso 6 - Continúe a lo largo de la Pendiente - Termine la Instalación

Empalme los cojines adyacentes como se muestra en la Figura C y repita el Paso 5. Sujete la parte inferior de la pendiente usando el patrón de grapas que se muestra en la Figura E. Sujete las orillas de la instalación engrapando a intervalos de 1.5' a lo largo de la orilla.

*** El Dibujo No Está a Escala Se.**

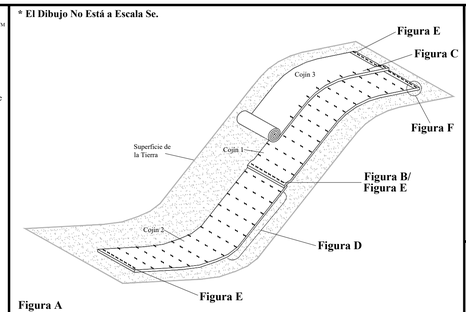


Figura A

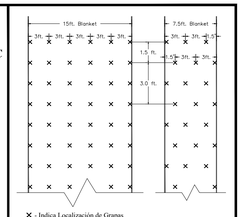


Figura D - Vista del Plano

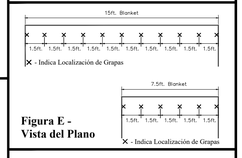


Figura E - Vista del Plano

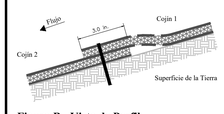


Figura B - Vista de Perfil

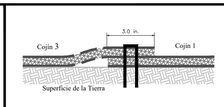


Figura C - Corte de Vista Transversal

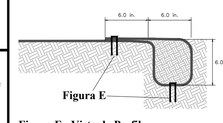


Figura F - Vista de Perfil

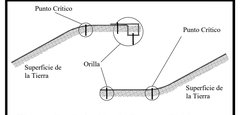


Figura G - Sujeción de Puntos Críticos

Aplicación del Producto/Especificaciones de Equivalencia

Excel PP5-8 es producido por Western Excelsior y consiste de un Producto permanente en Rollo para Control de la Erosión (PCER), formado de una matriz de una mezcla de fibra sintética unida mecánicamente (cosida) entre dos redes sintéticas, de uso rudo, estabilizadas UV (parte superior e inferior). La vida útil del EXCEL PP5-8 es más de 36 meses. (La vida útil real depende del campo y de las condiciones climáticas). El Excel PP5-8 está diseñado y fabricado para proporcionar control inmediato de la erosión y refuerzo permanente para el césped y tiene las suficientes propiedades físicas para proporcionar la vida útil y el rendimiento esperado. Las especificaciones del producto se encuentran en el documento WE_EXCEL_PP58_SPEC y la información de rendimiento se puede encontrar en el documento WE_EXCEL_PP58_PERF. Todos los documentos están disponibles en Western Excelsior Technical Support (Soporte Técnico de Western Excelsior) o en www.westernexcelsior.com. Además de lo anterior, los productos equivalentes a Excel PP5-8 deben cumplir con los siguientes criterios idénticos a Excel PP5-8:

1. Consistente de una matriz de fibra sintética entre dos redes sintéticas de uso rudo, estabilizadas UV.
2. Suficiente fuerza de tensión, grosor y cobertura para mantener su integridad durante la instalación y asegurar el rendimiento del material. Proporcionar refuerzo para el césped con una vida útil de más de tres años, inmune al daño de la humedad o condiciones químicas dentro de la tierra.
3. Incluido en la base de datos AASHTO NTPEP.
4. Cumplir especificación ECTC para productos de categoría 5A.

Document # WE_EXCEL_PP58_SII

Tennessee 811

REVISION	DATE	DESCRIPTION	BY

SHEET C-22

CONSTRUCTION DETAILS

CANNONS CROSSING S/D

SITE ADDRESS: 412 EAST OLD A.J. HIGHWAY (37760)

DEVELOPER:
CRAFTED MILESTONE, LLC
296 BOYDS SCHOOL ROAD
MORRISTOWN, TN 37813

DIST NO. 04 — JEFFERSON CITY, TN
TAX MAP: 15 — PARCEL: 10.00
SCALE: AS NOTED — JUNE 4, 2025

URBAN ENGINEERING, INC.
10330 HARDIN VALLEY RD, #201
KNOXVILLE, TENNESSEE 37932
(865) 966-1924

DWN: CLM | CHK: CAS | DWG. NO. 2505010

LEGEND:

- PROPOSED SINGLE WATER SERVICE
- PROPOSED DOUBLE WATER SERVICE
- WATER VALVE
- FIRE HYDRANT ASSEMBLY
- PROPOSED WATER LINE
- PROPOSED 2" BLOW OFF
- AIR RELEASE VALVE

GENERAL NOTES:

1. THE LOCATIONS OF ALL UNDERGROUND UTILITIES SHOWN HEREON ARE APPROXIMATE AND ARE BASED ON FIELD LOCATION OF VISIBLE STRUCTURES SUCH AS CATCH BASINS, MANHOLES, WATER VALVES, ETC., AND COMPILING INFORMATION FROM PLANS SUPPLIED BY VARIOUS UTILITY COMPANIES AND GOVERNMENT AGENCIES. THE CONTRACTORS SHALL NOTIFY IN WRITING ALL UTILITY COMPANIES AND GOVERNMENT AGENCIES AND ALSO CALL TENN ONE-CALL PRIOR TO ANY EXCAVATION WORK, TO VERIFY INFORMATION SHOWN AND DETERMINE THE LAYOUT OF THE IRRIGATION SYSTEM AND IF ADDITIONAL IMPROVEMENTS MAY EXIST.

2. PIPE SHALL BE BACKFILLED WITH STONE WHEN UNDER OR WITHIN 3 FEET OF PAVEMENT.

3. IF APPLICABLE, THE CONTRACTOR IS RESPONSIBLE FOR SCHEDULING SERVICE OUTAGES WITH THE OWNER.

4. ALL WATER LINE MATERIALS AND INSTALLATION METHODS SHALL CONFORM TO JEFFERSON CITY UTILITIES STANDARDS AND SPECIFICATIONS.

5. EASEMENTS SHALL BE DEDICATED 7.5' ON BOTH SIDES OF INSTALLED MAINS AND APPURTENANCES WHERE THEY ARE INSTALLED OUTSIDE OF PUBLIC RIGHTS OF WAY.

WATER NOTE:

1. COORDINATE VALVE LOCATIONS WITH THE CITY OF JEFFERSON CITY.

REFERENCE:
DEED BOOK: 1525, PAGE: 406
PLAT BOOK: L, PAGE: 26

REVISION	DATE	DESCRIPTION	BY

CHRISTOPHER A. SHAW REGISTERED ENGINEER NO. 0010998 STATE OF TENNESSEE

SHEET WA-1

PUBLIC WATER PLAN

CANNONS CROSSING S/D

SITE ADDRESS: 412 EAST OLD A.J. HIGHWAY (37760)

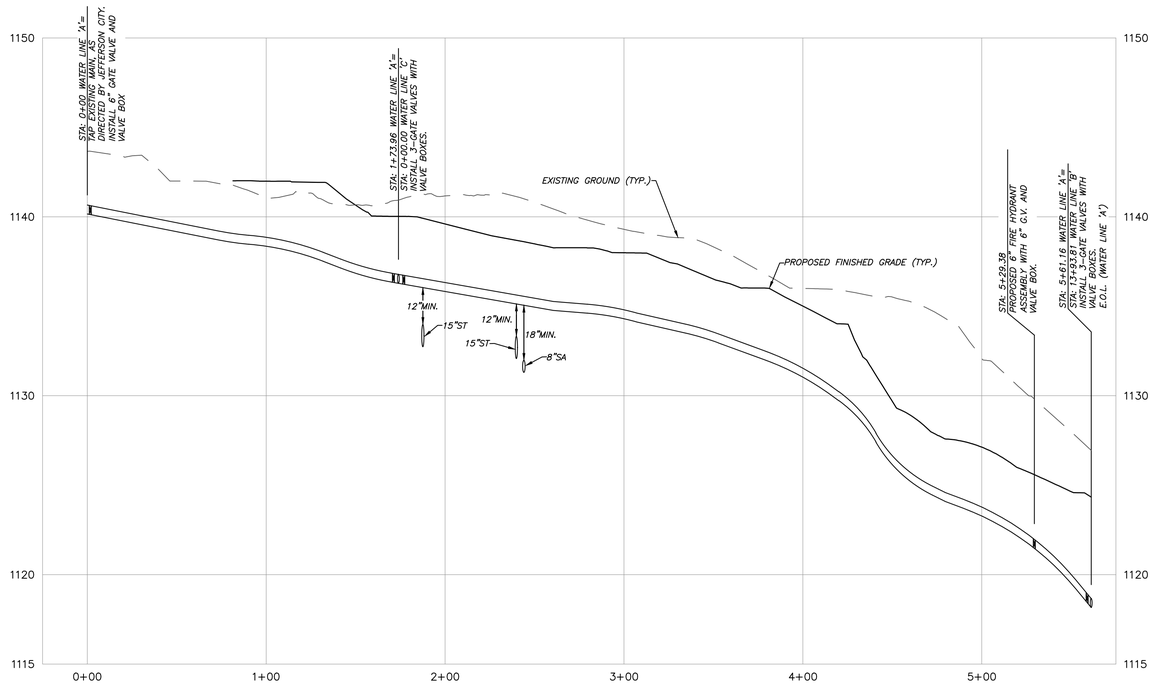
DEVELOPER:
CRAFTED MILESTONE, LLC
296 BOYDS SCHOOL ROAD
MORRISTOWN, TN 37813

DIST NO. 04 — JEFFERSON CITY, TN
TAX MAP: 15 — PARCEL: 10.00
SCALE: 1"=60' — JUNE 4, 2025

URBAN ENGINEERING, INC.
10330 HARDIN VALLEY RD, #201
KNOXVILLE, TENNESSEE 37932
(865) 966-1924

DWN: RS | CHK: CAS | DWG. NO. 2505010

Tennessee811



PROFILE VIEW: WATER LINE 'A'
1"=40' (HORIZONTAL)
1"=4' (VERTICAL)

SHEET WA-2

WATER LINE PROFILE

CANNONS CROSSING S/D

SITE ADDRESS: 412 EAST OLD A.J. HIGHWAY (37760)

DEVELOPER:
CRAFTED MILESTONE, LLC
296 BOYDS SCHOOL ROAD
MORRISTOWN, TN 37813

DIST NO. 04 — JEFFERSON CITY, TN
TAX MAP: 15 — PARCEL: 10.00
SCALE: AS NOTED — JUNE 4, 2025

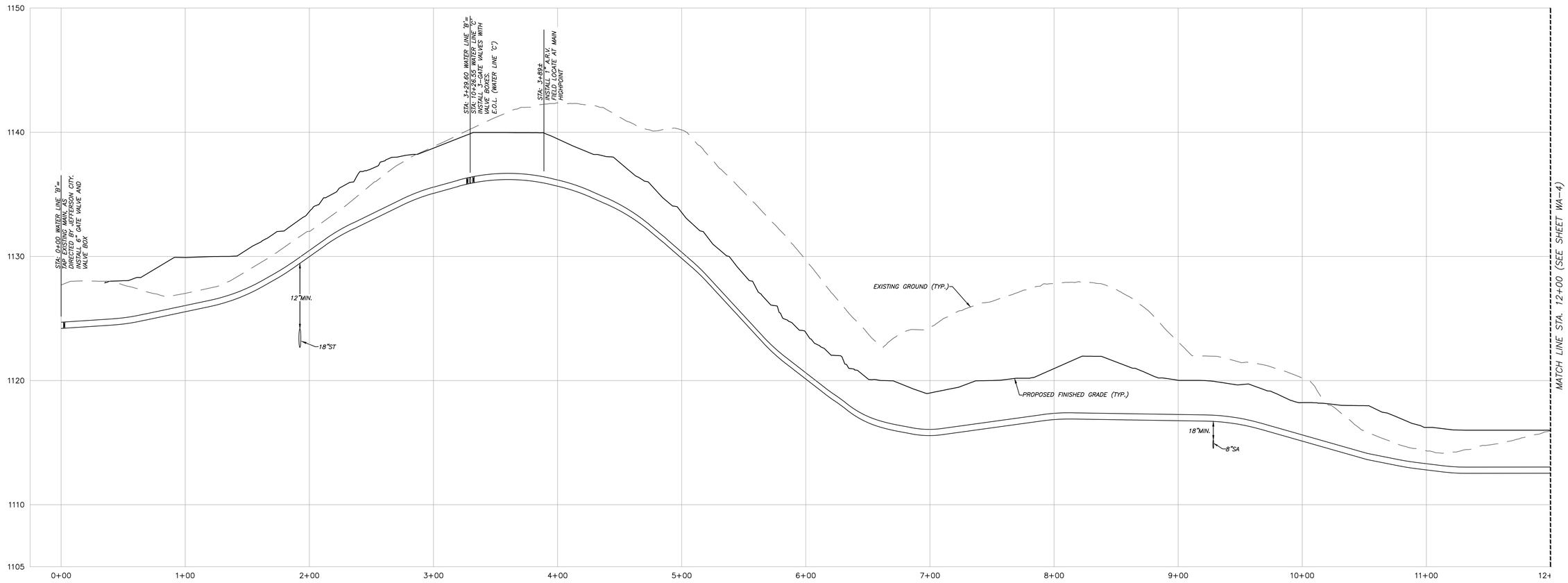
URBAN ENGINEERING, INC.
10330 HARDIN VALLEY RD, #201
KNOXVILLE, TENNESSEE 37932
(865) 966-1924

DWN: RS | CHK: CAS | DWG. NO. 2505010

REVISION	DATE	DESCRIPTION	BY

CHRISTOPHER A. SHUMAN
REGISTERED ENGINEER
No. 101080
SUMMER
STATE OF TENNESSEE
6-4-25

Tennessee811



PROFILE VIEW: WATER LINE 'B'
1"=40' (HORIZONTAL)
1"=4' (VERTICAL)

SHEET WA-3

WATER LINE PROFILE

CANNONS CROSSING S/D

SITE ADDRESS: 412 EAST OLD A.J. HIGHWAY (37760)

DEVELOPER:
CRAFTED MILESTONE, LLC
296 BOYDS SCHOOL ROAD
MORRISTOWN, TN 37813

DIST NO. 04 — JEFFERSON CITY, TN
TAX MAP: 15 — PARCEL: 10.00
SCALE: AS NOTED — JUNE 4, 2025

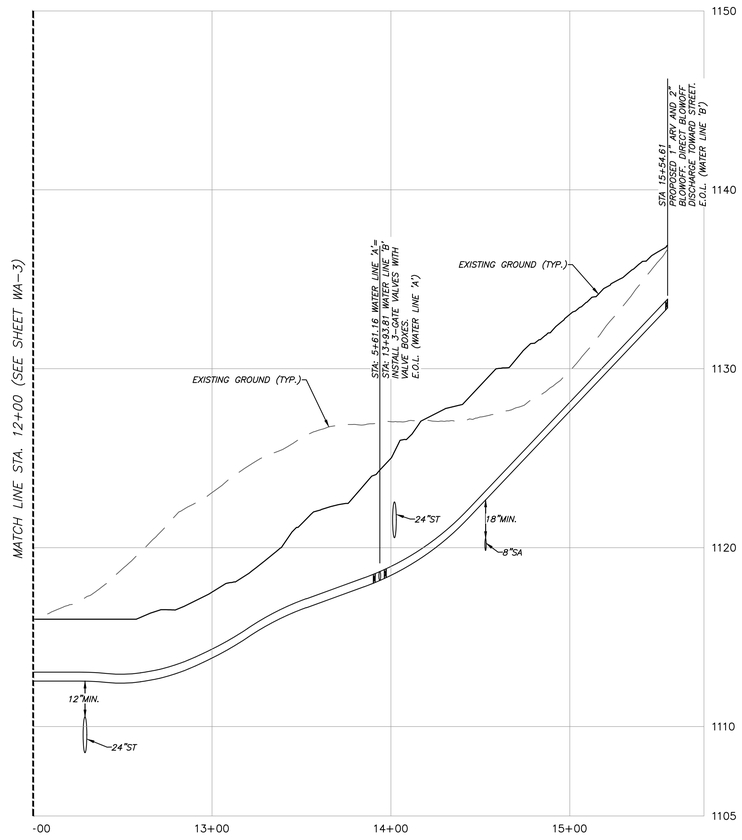
CHRISTOPHER A. STANLEY
REGISTERED ENGINEER
No. 0010998
STATE OF TENNESSEE
6/4/25

REVISION	DATE	DESCRIPTION	BY

URBAN ENGINEERING, INC.
10330 HARDIN VALLEY RD, #201
KNOXVILLE, TENNESSEE 37932
(865) 966-1924

DWN: RS | CHK: CAS | DWG. NO. 2505010

Tennessee811



PROFILE VIEW: WATER LINE 'B'
1"=40' (HORIZONTAL)
1"=4' (VERTICAL)

SHEET WA-4

WATER LINE PROFILE

CANNONS CROSSING S/D

SITE ADDRESS: 412 EAST OLD A.J. HIGHWAY (37760)

DEVELOPER:
CRAFTED MILESTONE, LLC
296 BOYDS SCHOOL ROAD
MORRISTOWN, TN 37813

DIST NO. 04 — JEFFERSON CITY, TN
TAX MAP: 15 — PARCEL: 10.00
SCALE: AS NOTED — JUNE 4, 2025

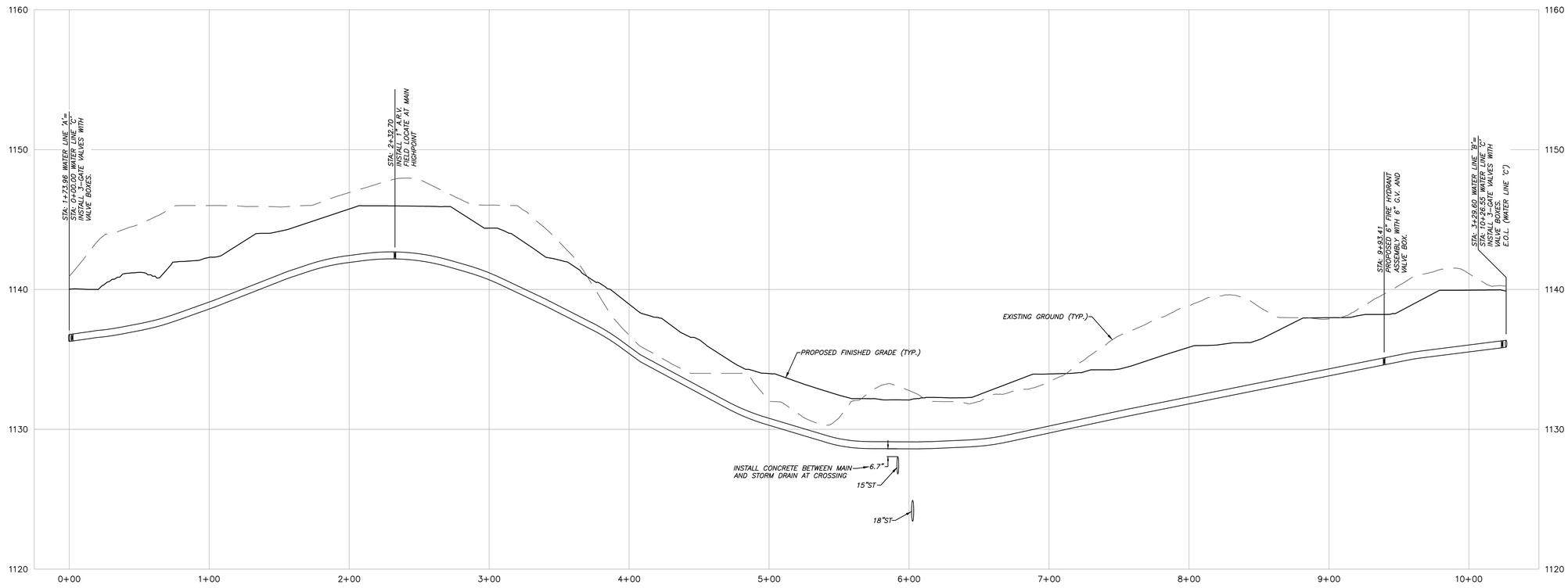
URBAN ENGINEERING, INC.
10330 HARDIN VALLEY RD, #201
KNOXVILLE, TENNESSEE 37932
(865) 966-1924

REVISION	DATE	DESCRIPTION	BY

DWN: RS | CHK: CAS | DWG. NO. 2505010

CHRISTOPHER A. SHAW
REGISTERED ENGINEER
COMMISSION NO. 001095
STATE OF TENNESSEE
6/4/25

Tennessee811



PROFILE VIEW: WATER LINE 'C'
1"=40' (HORIZONTAL)
1"=4' (VERTICAL)

SHEET WA-5

WATER LINE PROFILE

CANNONS CROSSING S/D

SITE ADDRESS: 412 EAST OLD A.J. HIGHWAY (37760)

DEVELOPER:
CRAFTED MILESTONE, LLC
296 BOYDS SCHOOL ROAD
MORRISTOWN, TN 37813

DIST NO. 04	JEFFERSON CITY, TN
TAX MAP: 15	PARCEL: 10.00
SCALE: AS NOTED	JUNE 4, 2025

CHRISTOPHER A. SHARPE
REGISTERED ENGINEER
COMMISSION
NO. 0010896
STATE OF TENNESSEE
6-4-25

URBAN ENGINEERING, INC.
10330 HARDIN VALLEY RD, #201
KNOXVILLE, TENNESSEE 37932
(865) 966-1924

REVISION	DATE	DESCRIPTION	BY

DWN: RS | CHK: CAS | DWG. NO. 2505010

Tennessee811

GENERAL NOTES:

1. THE LOCATIONS OF ALL UNDERGROUND UTILITIES SHOWN HEREON ARE APPROXIMATE AND ARE BASED ON FIELD LOCATION OF VISIBLE STRUCTURES SUCH AS CATCH BASINS, MANHOLES, WATER VALVES, ETC., AND COMPILING INFORMATION FROM PLANS SUPPLIED BY VARIOUS UTILITY COMPANIES AND GOVERNMENT AGENCIES. THE CONTRACTORS SHALL NOTIFY IN WRITING ALL UTILITY COMPANIES AND GOVERNMENT AGENCIES AND ALSO CALL TENN ONE-CALL PRIOR TO ANY EXCAVATION WORK, TO VERIFY INFORMATION SHOWN AND DETERMINE THE LAYOUT OF THE IRRIGATION SYSTEM AND IF ADDITIONAL IMPROVEMENTS MAY EXIST.

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4. ALL WATER LINE MATERIALS AND INSTALLATION METHODS SHALL CONFORM TO JEFFERSON CITY UTILITIES STANDARDS AND SPECIFICATIONS.

5. EASEMENTS SHALL BE RESERVED ALONG ALL UTILITIES INSTALLED OUTSIDE OF PUBLIC RIGHTS OF WAY.

6. EASEMENTS SHALL BE DEDICATED 7.5' ON BOTH SIDES OF INSTALLED MAINS AND APPURTENANCES WHERE THEY ARE INSTALLED OUTSIDE OF PUBLIC RIGHTS OF WAY.

GRAPHIC SCALE
60 0 60 120

SHEET SA-1

LEGEND:

- PROPOSED SANITARY SEWER SERVICE
- SV — PROPOSED SANITARY SEWER VALVE
- PROPOSED LOW PRESSURE SEWER
- PROPOSED SANITARY SEWER MANHOLE
- SS — EXISTING SANITARY SEWER MAIN

GRID NORTH

CHRISTOPHER A. SHAW REGISTERED ENGINEER NO. 0010998 STATE OF TENNESSEE

REFERENCE:
DEED BOOK: 1525, PAGE: 406
PLAT BOOK: L, PAGE: 26

REVISION	DATE	DESCRIPTION	BY

PUBLIC SANITARY SEWER PLAN

CANNONS CROSSING S/D

SITE ADDRESS: 412 EAST OLD A.J. HIGHWAY (37760)

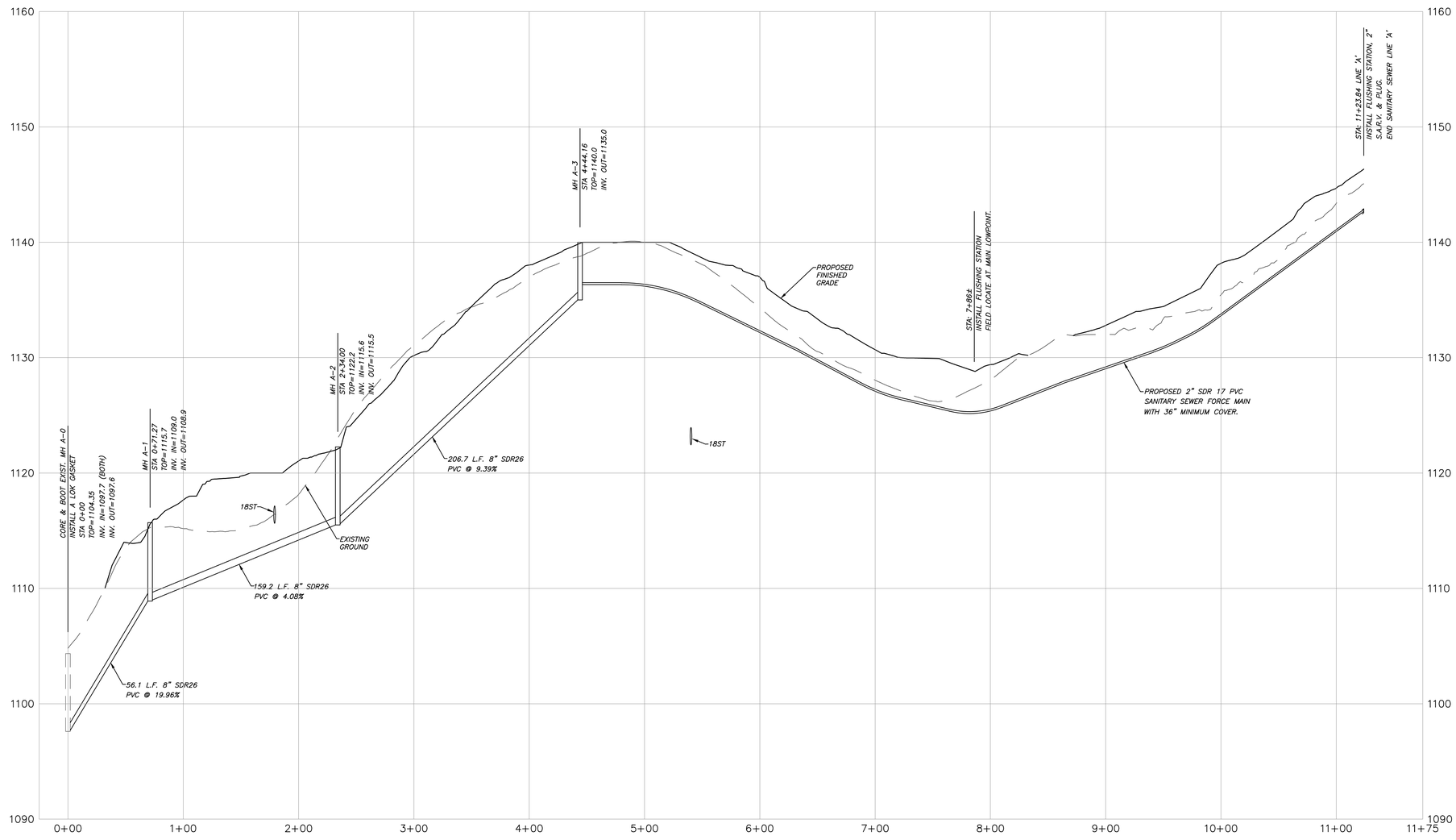
DEVELOPER:
CRAFTED MILESTONE, LLC
296 BOYDS SCHOOL ROAD
MORRISTOWN, TN 37813

DIST NO. 04 — JEFFERSON CITY, TN
TAX MAP: 15 — PARCEL: 10.00
SCALE: 1"=60' — JUNE 4, 2025

URBAN ENGINEERING, INC.
10330 HARDIN VALLEY RD, #201
KNOXVILLE, TENNESSEE 37932
(865) 966-1924

DWN: CLM | CHK: CAS | DWG. NO. 2505010

Tennessee811



PROFILE–SEWER LINE A
1"=50' (HORIZONTAL)
1"=5' (VERTICAL)

SHEET SA–2

SANITARY SEWER PROFILE

CANNONS CROSSING S/D

SITE ADDRESS: 412 EAST OLD A.J. HIGHWAY (37760)

DEVELOPER:
CRAFTED MILESTONE, LLC
296 BOYDS SCHOOL ROAD
MORRISTOWN, TN 37813

DIST NO. 04 — JEFFERSON CITY, TN
TAX MAP: 15 — PARCEL: 10.00
SCALE: AS NOTED — JUNE 4, 2025

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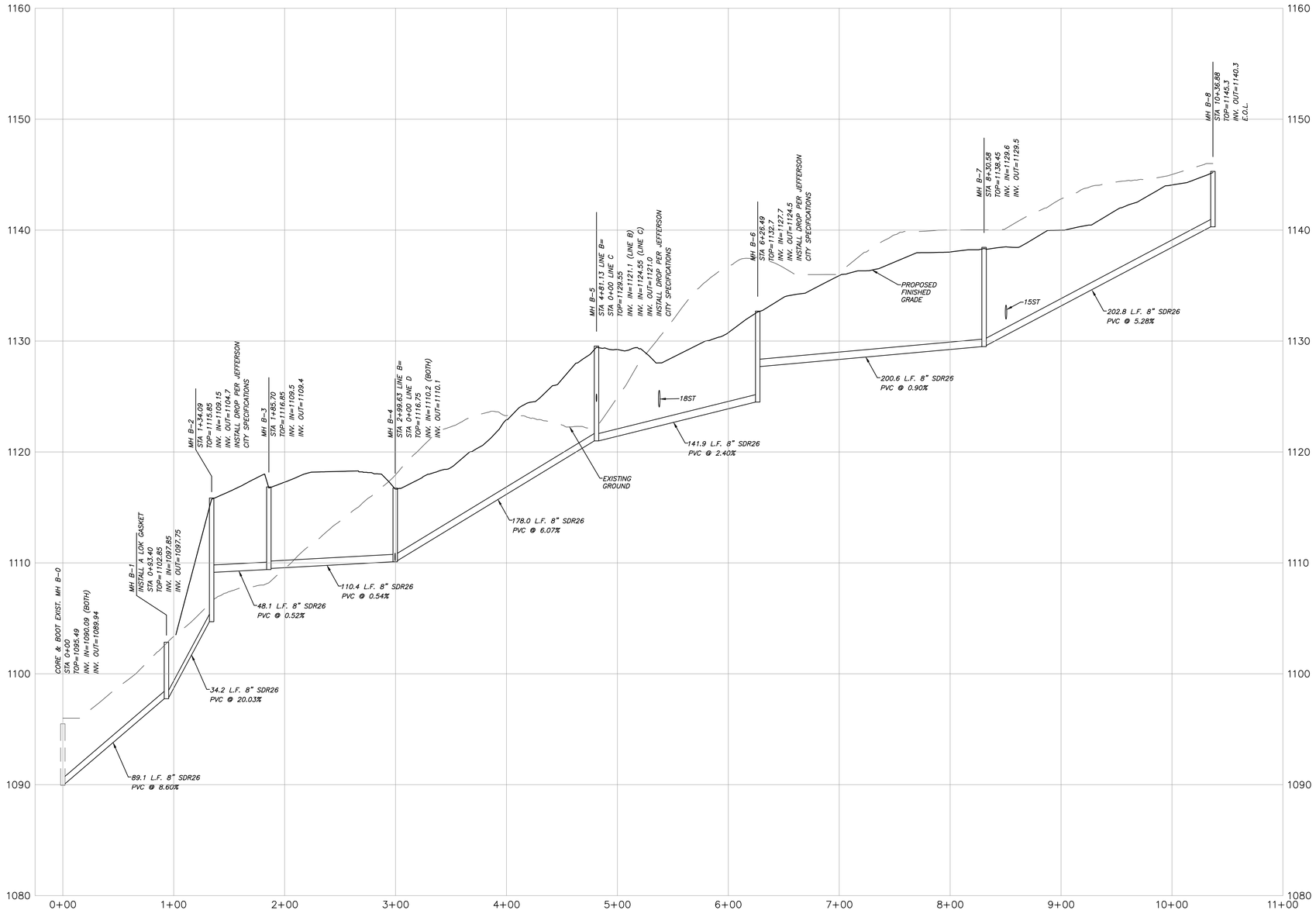
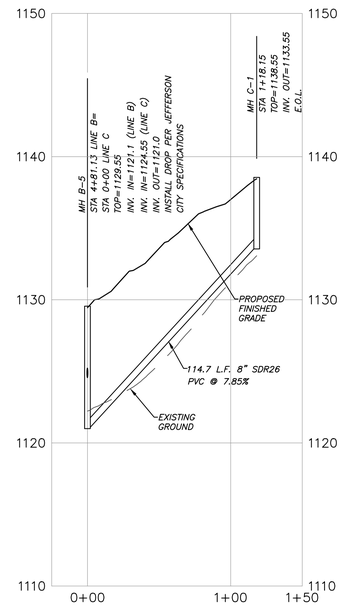


PROFILE–SEWER LINE B
1"=50' (HORIZONTAL)
1"=5' (VERTICAL)



PROFILE–SEWER LINE C
1"=50' (HORIZONTAL)
1"=5' (VERTICAL)

CHRISTOPHER A. SHALLOW
REGISTERED ENGINEER
NO. 101099
OWNER
NO. 00109900
STATE OF TENNESSEE
4-4-25

SHEET SA–3

SANITARY SEWER PROFILE

CANNONS CROSSING S/D

SITE ADDRESS: 412 EAST OLD A.J. HIGHWAY (37760)

DEVELOPER:
CRAFTED MILESTONE, LLC
296 BOYDS SCHOOL ROAD
MORRISTOWN, TN 37813

DIST NO. 04 — JEFFERSON CITY, TN
TAX MAP: 15 — PARCEL: 10.00
SCALE: AS NOTED — JUNE 4, 2025

URBAN ENGINEERING, INC.
10330 HARDIN VALLEY RD, #201
KNOXVILLE, TENNESSEE 37932
(865) 966–1924

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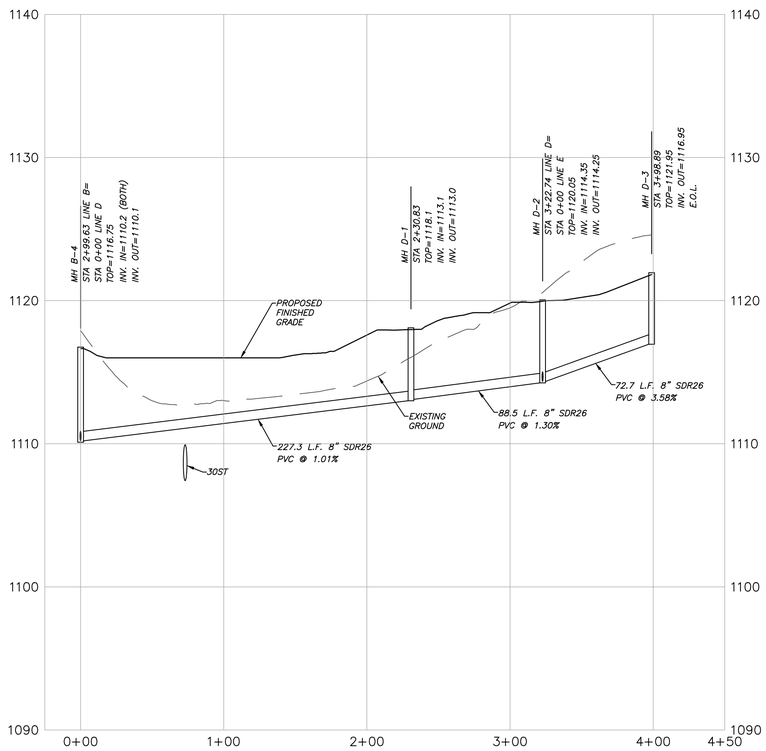
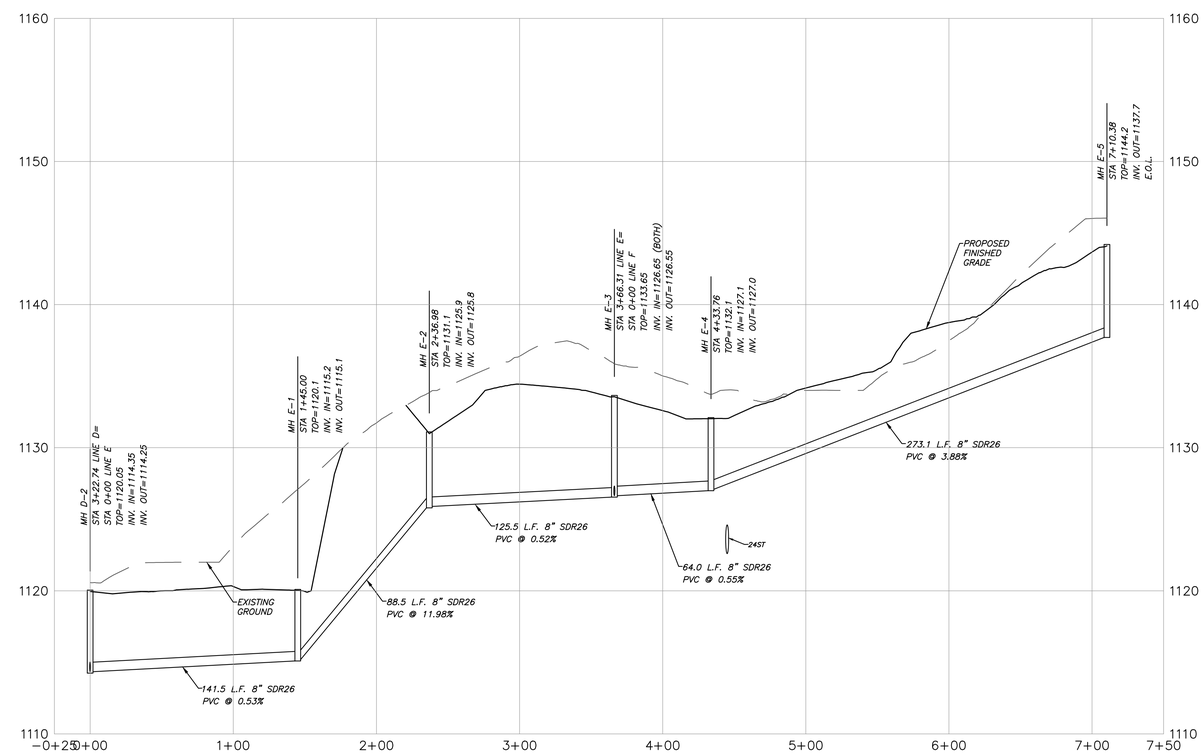


PROFILE-SEWER LINE D
1"=50' (HORIZONTAL)
1"=5' (VERTICAL)



PROFILE-SEWER LINE E
1"=50' (HORIZONTAL)
1"=5' (VERTICAL)

SHEET SA-4

SANITARY SEWER PROFILE

CANNONS CROSSING S/D

SITE ADDRESS: 412 EAST OLD A.J. HIGHWAY (37760)

DEVELOPER:
CRAFTED MILESTONE, LLC
296 BOYDS SCHOOL ROAD
MORRISTOWN, TN 37813

DIST NO. 04 — JEFFERSON CITY, TN
TAX MAP: 15 — PARCEL: 10.00
SCALE: AS NOTED — JUNE 4, 2025

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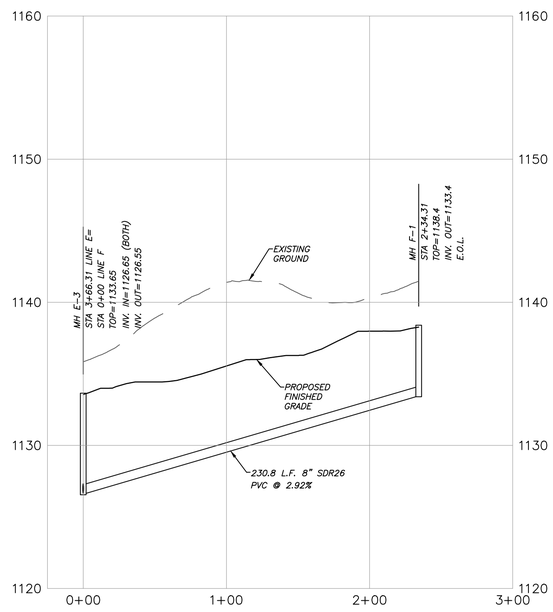
KNOXVILLE, TENNESSEE 37932
(865) 966-1924

DWN: CLM | CHK: CAS | DWG. NO. 2505010

REVISION	DATE	DESCRIPTION	BY

CHRISTOPHER A. SHAW
REGISTERED ENGINEER
No. 101098
COMMERCIAL
STATE OF TENNESSEE
6-25



PROFILE-SEWER LINE F
1"=50' (HORIZONTAL)
1"=5' (VERTICAL)

SHEET SA-5

SANITARY SEWER PROFILE

CANNONS CROSSING S/D

SITE ADDRESS: 412 EAST OLD A.J. HIGHWAY (37760)

DEVELOPER:
CRAFTED MILESTONE, LLC
296 BOYDS SCHOOL ROAD
MORRISTOWN, TN 37813

DIST NO. 04 — JEFFERSON CITY, TN
TAX MAP: 15 — PARCEL: 10.00
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REVISION	DATE	DESCRIPTION	BY

CHRISTOPHER A. SHIRLEY
REGISTERED ENGINEER
No. 0010998
COMMERCIAL
STATE OF TENNESSEE
6-4-25

Tennessee811