

TOWN OF DANDRIDGE, TENNESSEE
BOARD OF ZONING APPEALS &
DANDRIDGE REGIONAL PLANNING COMMISSION
REGULAR MEETING
8 July 2025
4:30 p.m.

DANDRIDGE REGIONAL PLANNING COMMISSION

I. PUBLIC COMMENTS

II. READING OF THE MINUTES

- June 10, 2025 Meeting

III. BUSINESS PRESENTED BY THE MAYOR

IV. OLD BUSINESS

V. NEW BUSINESS

- Jefferson County (Stephanie Rustin) – Resolution 2025-14
- James Smith (Tuck REI LLC) (EpcO Dr.) Map 058, Parcel 069.02 – Site Plan Review
- Paul Patel (V&P Developers Inc.) (N. Gay St.) Map 68J, Group D, Parcels 9,10,& 11 – 3 Lot Subdivision
- Paul Patel (V&P Developers Inc.) (N. Gay St.) Map 68J, Group D - Rezoning Request from R1 to B2
- Matt McQueen (Carlyle Construction) (Sycamore Stream Rd.) Map 57, Parcel 056.07 – Preliminary Plat for 50+ Lot Creekside Ridge Phase 3
- Tim Messer/Terry Romans (Valley Home Rd./Fancy Way) Map 068E, Group A, Parcel 027.00 – Preliminary Plat for 8-Lot Subdivision

VI. MISCELLANEOUS

VII. ADJOURNMENT

Zach Reese
Town Recorder
Agenda 070825

**TOWN OF DANDRIDGE, TENNESSEE
REGIONAL PLANNING COMMISSION
REGULAR MEETING
June 10, 2025**

I. CALL TO ORDER

A. The Dandridge Regional Planning Commission met in regular session on Tuesday, June 10, 2025, at 5:00 p.m.

B. Chairman MARK CHAMBERS called the meeting to order and called for roll.

II. ROLL CALL

- A roll call of the Planning Commission was conducted with the following members responding:
 - Chairman CHAMBERS
 - Mayor CHAMBERS
 - Commissioner COLLINS
 - Commissioner FOLEY
 - Alderman LONGMIRE
 - Commissioner OPEIL
 - Commissioner SCHOLLER
 - Commissioner WILLOUGHBY

ABSENT:

- Commissioner NELSON

- A quorum being present, the following business was conducted and entered on the record:

III. PUBLIC COMMENTS

None

IV. READING OF THE MINUTES

It came on a motion by Mayor CHAMBERS, seconded by Commissioner OPEIL to adopt the Regular Meeting Minutes for the May 13, 2025 meeting.

On a voice vote, the motion passed unanimously, and was so ordered.

V. BUSINESS PRESENTED BY THE MAYOR

None Presented

VI. OLD BUSINESS

None Presented

VII. NEW BUSINESS

- Paul Patel (V&P Developers Inc.) (N. Gay St.) Map 68J, Group D, Parcels 9,10, & 11 – 3 Lot Subdivision and Rezoning Request from R1 to B2

It came on a motion by Commissioner WILLOUGHBY, seconded by Mayor CHAMBERS, to Postpone to Next Meeting due to Absence of Owner

On a voice vote, the motion passed unanimously, and was so ordered

- David & Josh Cate (Greenhill Rd. – Growth Boundary) Map 067, Parcel 037.00 – Preliminary 16-30 Lot Subdivision

Town Building Inspector Terry Reneau – Ready to proceed with construction of interior roads and water. Drainage and utility plan submitted by engineer, Shady Grove has approved. Roads meet county requirements for slope. Shady Grove sent letter saying fire hydrants weren't required/not allowed because there is not enough flow. Everything else meets requirements.

It came on a motion by Mayor CHAMBERS, seconded by Commissioner OPEIL, to Approve the Preliminary Plat as Presented

On a voice vote, the motion passed unanimously, and was so ordered

- Charlie Bryant (MB&R Contractors) (939 Nichols Rd.) Map 068F, Parcel 004.00 – 3-5 Lot Subdivision

Removed from agenda at owner's request

VIII. MISCELLANEOUS

ETDD Regional Planner Ekem Amonoo-Lartson – will begin working with Terry soon on the plan for the year

IX. ADJOURNMENT

It came on a motion by Mayor CHAMBERS, seconded by Commissioner FOLEY, to adjourn the June 10, 2025, meeting of the Dandridge Regional Planning Commission.

On a voice vote, the motion passed unanimously, and was so ordered.

Mark Chambers, Chairman

ATTEST:

Zach Reese, Town Recorder

MINUTES-PLANNING COMMISSION- 061025

TOWN OF DANDRIDGE REGIONAL PLANNING COMMISSION

REQUEST FORM

Presenter: Stephanie Rustin Date: 6-23-25Property Owner(s): Jefferson County

Property Address: _____

(House#, Street Name, Subdivision Name if applicable)

Map and Parcel Number(s): _____

Phone Number(s) _____ or _____

(Please list number where you can be reached during the day)

Attention: All requesters to the Town of Dandridge Planning Commission and/or Board of Zoning Appeals are required to present their materials in accordance to the written regulations within the City's Zoning Ordinance and Subdivision Regulations. Failure to follow these regulations prior to submission will result in having your request removed from the City's Planning Commission and/or Board of Zoning Appeals monthly meeting until such requirements are met.

Special Note: According to the Tennessee Coded Annotated (T.C.A) all subdivision plats (in areas without city sewer/water services) presented to the Town of Dandridge's Planning Commission are required by law to have the signature of the Jefferson County Health Department representative prior to **FINAL PLAT** submission.

_____	Site Plan Review	\$50.00
_____	Rezoning Request _____ to _____	\$50.00
_____	Subdivision Plats (Preliminary/Final)	
	• 2 lots or less	\$20.00
	• 3-5 lots	\$30.00
	• 6-15 lots	\$60.00
	• 16-30 lots	\$70.00
	• 31-50 lots	\$80.00
	• 50+ lots	\$100.00
_____	Annexation	\$25.00
_____	Board of Zoning Appeals (Explanation)	\$50.00

Other

_____ Point(s) of Clarification No Fee

Total amount of fees paid: _____ Receipt Number: _____

RESOLUTION 2025-14

A RESOLUTION AMENDING THE ZONING RESOLUTION OF JEFFERSON COUNTY, TENNESSEE TO REFLECT CERTAIN PROHIBITED USES AND PERMITTED USES IN THE A-1, R-1, R-2, RR AND C-2 ZONING DISTRICTS

WHEREAS, The Jefferson County Regional Planning Commission, has reviewed the provisions of the Jefferson County Zoning Resolution (hereinafter "Zoning Resolution") and believes that certain provisions of the Zoning Resolution should be amended;

NOW, THEREFORE, BE IT RESOLVED by the Jefferson County Regional Planning Commission that it recommends the Board of Commissioners of Jefferson County (hereinafter referred to as the "Board") amend the Zoning Resolution as follows:

Section 1. Article 9.3 A.12. Permitted Uses is hereby amended by deleting in this Section 12, after the phrase "including: marinas," the words "*travel trailer parks,*".

Section 2. Article 9.3 B. Uses Prohibited: is hereby amended by deleting the current sentence/section and substituting the following sentence: "*Campgrounds, manufactured residential dwelling parks (mobile home parks), recreation vehicles, travel trailer parks, motor courts, travel trailer courts, and recreation vehicle parks; and any other use not specifically identified in permitted uses, unless the Jefferson County Board of Zoning Appeals determines that a proposed use is similar to one listed in permitted uses and is within the intent of the zoning district. The storage of a single recreational vehicle titled to the property owner/renter is not prohibited by this section. In no event can the use of a recreational vehicle, travel trailer, camper, motor home, tent or readily removable shed or other structures that do not meet the adopted building codes be considered a principal use, primary use, or accessory use in the A-1 zone.*"

Section 3. Article 9.4.B Prohibited Uses is hereby amended by deleting the current sentence/section and substituting the following sentence: "*Campgrounds, manufactured residential dwelling parks (mobile home parks), recreation vehicles, travel trailer parks, motor courts, travel trailer courts, and recreation vehicle parks; and any other use not specifically identified in permitted uses, unless the Jefferson County Board of Zoning Appeals determines that a proposed use is similar to one listed in permitted uses and is within the intent of the zoning district. The storage of a single recreational vehicle titled to the property owner/renter is not prohibited by this section. In no event can the use of a recreational vehicle, travel trailer, camper, motor home, tent or readily removable shed or other structures that do not meet the adopted building codes be considered a principal use, primary use, or accessory use in the R-1 zone.*"

Section 4. Article 9.5.A.1 Permitted Uses is hereby amended by adding after the phrase "and multi-family dwellings" the words "and manufactured residential dwelling park (mobile home park)."

Section 5. Article 9.5.B is hereby amended by deleting the current sentence/section and substituting the following sentence: *"Campgrounds, recreation vehicles, travel trailer parks, motor courts, travel trailer courts, and recreation vehicle parks; and any other use not specifically identified in permitted uses, unless the Jefferson County Board of Zoning Appeals determines that a proposed use is similar to one listed in permitted uses and is within the intent of the zoning district. The storage of a single recreational vehicle titled to the property owner/renter is not prohibited by this section. In no event can the use of a recreational vehicle, travel trailer, camper, motor home, tent or readily removable shed or other structures that do not meet the adopted building codes be considered a principal use, primary use, or accessory use in the R-2 zone."*

Section 6. Article 9.6.B Prohibited Uses is hereby amended by deleting the current sentence/section and substituting the following sentence: *"Campgrounds, manufactured residential dwelling parks (mobile home parks), mobile homes single chassis, recreation vehicles, travel trailer parks, motor courts, travel trailer courts, and recreation vehicle parks; and any other use not specifically identified in permitted uses, unless the Jefferson County Board of Zoning Appeals determines that a proposed use is similar to one listed in permitted uses and is within the intent of the zoning district. The storage of a single recreational vehicle titled to the property owner/renter is not prohibited by this section. In no event can the use of a recreational vehicle, travel trailer, camper, motor home, tent or readily removable shed or other structures that do not meet the adopted building codes be considered a principal use, primary use, or accessory use in the RR zone."*

Section 7. Article 9.8 A. Permitted Uses: is hereby amended by adding a paragraph 18, which states: *"Campgrounds, recreation vehicles, travel trailer parks, motor courts, travel trailer courts, and recreation vehicle parks."*

BE IT FURTHER RESOLVED that these regulations shall take effect immediately upon passage, the public welfare requiring it.

BE IT FURTHER RESOLVED, if any provision of this resolution or the application thereof to any person or circumstance is held invalid, such invalidity shall not affect other provisions or applications of this resolution which can be given effect without the invalid provision or application and to that end the provisions of this resolution are declared to be severable.

Date Considered by Jefferson County Regional Planning Commission: May 27, 2025

Approve X **Denied**

Chairman Jefferson County Regional Planning Commission

Secretary Jefferson County Regional Planning Commission

Date Considered by Jefferson City Regional Planning Commission: _____

Approved **Denied**

Chairman Jefferson City Regional Planning Commission

Secretary Jefferson City Regional Planning Commission

Date Considered by Town of Dandridge Regional Planning Commission: _____

Approved **Denied**

Chairman Dandridge Regional Planning Commission

Secretary Dandridge Regional Planning Commission

Date Considered by Town of White Pine Regional Planning Commission: _____

Approved **Denied**

Chairman White Pine Regional Planning Commission

Secretary White Pine Regional Planning Commission

Date of Public Hearing- Jefferson County Board of Commissioners: _____

Date of Voting Meeting Jefferson County Board of Commissioners: _____

Ayes: **Nays:** **-** **Passed:** **Failed:**

Chairman Jefferson County Board of Commissioners

Jefferson County Clerk

Approved _____ Vetoed _____

County Mayor, Mark Potts **Approved** _____ **Denied** _____

Chairman Dandridge Regional Planning Commission

DANDRIDGE PLANNING COMMISSION

REQUEST FORM

Presenter: James Smith Date: 6-20-25Property Owner(s): TUCK REI LLCProperty Address: EPIC DR

(House#, Street Name, Subdivision Name If applicable)

Map and Parcel Number(s): 058-069.02

Phone Number(s) _____ or _____

(Please list number where you can be reached during the day)

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Special Note: According to the Tennessee Coded Annotated (T.C.A) all subdivision plats (in areas without city sewer/water services) presented to the Town of Dandridge's Planning Commission are required by law to have the signature of the Jefferson County Health Department representative prior to **FINAL PLAT** submission.

☒	Site Plan Review	\$50.00
_____	Rezoning Request _____ to _____	\$50.00
_____	Subdivision Plats (Preliminary/Final)	
	• 2 lots or less	\$20.00
	• 3-5 lots	\$30.00
	• 6-15 lots	\$60.00
	• 16-30 lots	\$70.00
	• 31-50 lots	\$80.00
	• 50+ lots	\$100.00
_____	Annexation	\$25.00
_____	Board of Zoning Appeals (Explanation)	\$50.00
_____	Point(s) of Clarification	No Fee

Total amount of fees paid: _____ Receipt Number: _____

LEGEND

- IP Iron Pin
- (F) Found
- (S) Set
- ⊙ POB Point of Beginning
- PP Electric Pole
- WM Water Meter
- BRADFORD PEAR
- EVERGREEN SHRUBS

NOTES:

NEW 1/2" IRON PINS SET ON ALL CORNERS UNLESS OTHERWISE NOTED.

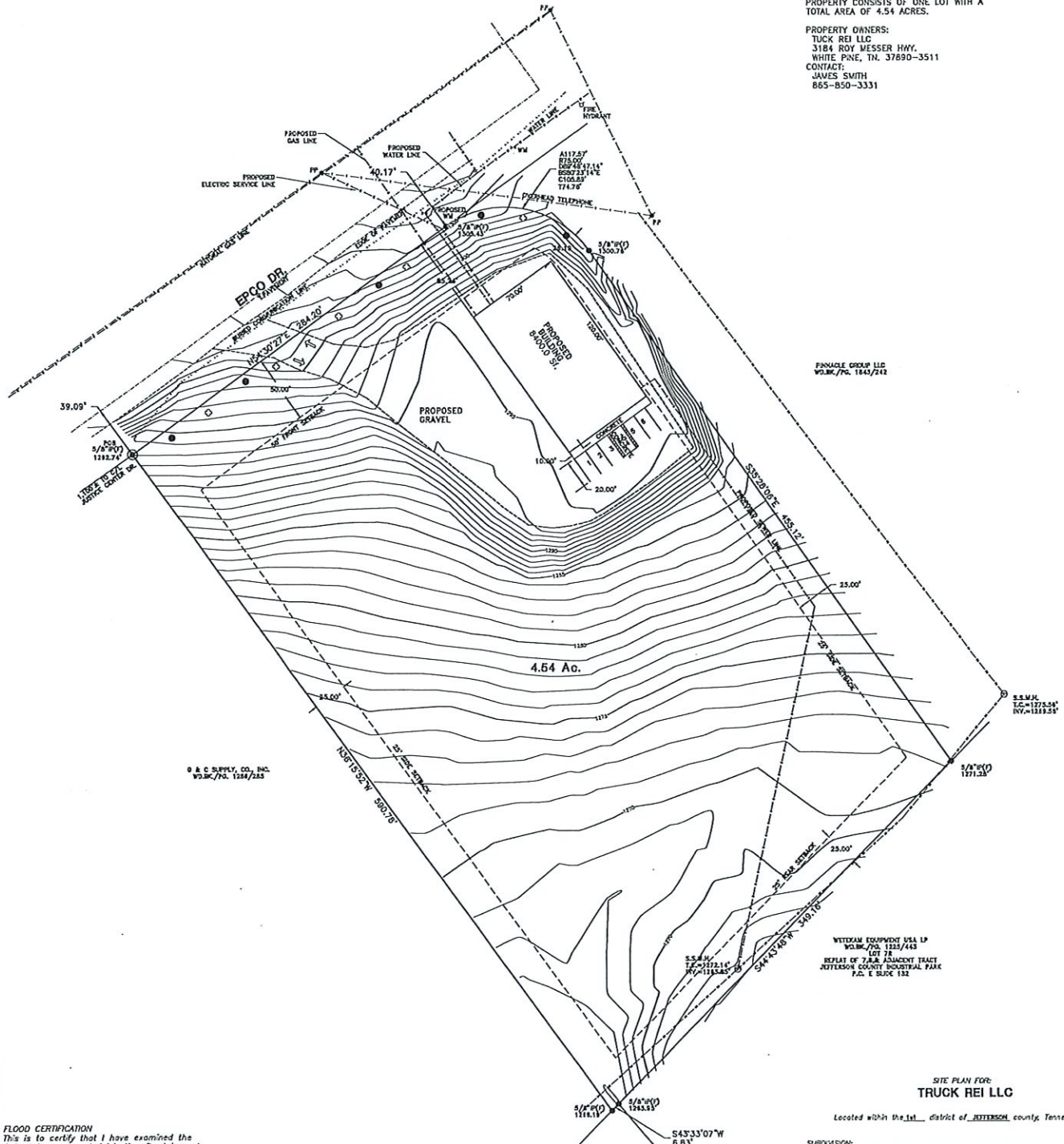
UTILITY & DRAINAGE EASEMENTS: 10' EACH SIDE OF ALL LINES.

PROPERTY IS ZONED: M-1

BUILDING SETBACKS:
FRONT: 50'
SIDE: 25'
REAR: 25'

PROPERTY CONSISTS OF ONE LOT WITH A TOTAL AREA OF 4.54 ACRES.

PROPERTY OWNERS:
TUCK REI LLC
3184 ROY WESSER HWY.
WHITE PINE, TN, 37890-3511
CONTACT:
JAMES SMITH
865-850-3331



FLOOD CERTIFICATION
This is to certify that I have examined the federal insurance administration flood hazard map and found the described property IS NOT located within a special flood hazard area.

CERTIFICATE OF ACCURACY AND PRECISION
I hereby certify that this is a category IV survey and the ratio of precision of the unadjusted survey is 1:15,000 or greater as shown hereon and that this survey was performed in compliance with current Tennessee Minimum Standards of Practice.

Part or all of this survey was performed using a GARMIN 8070 MAPTECH FREQUENCY RECEIVER.
Positional accuracy: 15mm (1ppm horizontal, 15mm (1ppm vertical).
Type of GPS field procedure: Post Time Kinematic Network.
Datum/Elevation: Horizontal: NAD 83, Vertical: NAD 83.
Published/Field-control used: TIGER DATA Reference Network.
Geoid Model: 2011.
Contour Interval: 2 feet.
EDDY R. GARRETT, TENNESSEE CERTIFICATE NO. 1514



SITE PLAN FOR: TRUCK REI LLC

Located within the 1st district of JEFFERSON county, Tennessee

SUBDIVISION:

Tax Map/Group/Parcel: 008/-/008.02 Deed Ref. Bk/Pg: 1711/432

Bearing Base: To State Grid

GARRETT ASSOCIATES

EDDY R. GARRETT, RLS#1544

4339 SHADY RD., STAMBERY PLAINS, TN 37871

PHONE: (665)-933-5622 FAX: (665)-933-1277

EMAIL: GARRETT1544@GMAIL.COM SOUTHPLAINS

35°01'34.31"N
-83°39'21.02"W

LAND SURVEYORS

DATE: 8/18/2025

REVISIONS:

DRAWN BY: TOL



SCALE: 1" = 50'

DRAWING NO. 25-113

TOWN OF DANDRIDGE REGIONAL PLANNING COMMISSION
REQUEST FORM

Presenter: Paul Mr. Patel Date: 11th April 2025

Property Owner(s): V & P Developers INC.

Property Address: N Gay St

(House#, Street Name, Subdivision Name if applicable)

Map and Parcel Number(s): 68J- D - 9,10+11

Phone Number(s): _____ or _____

(Please list number where you can be reached during the day)

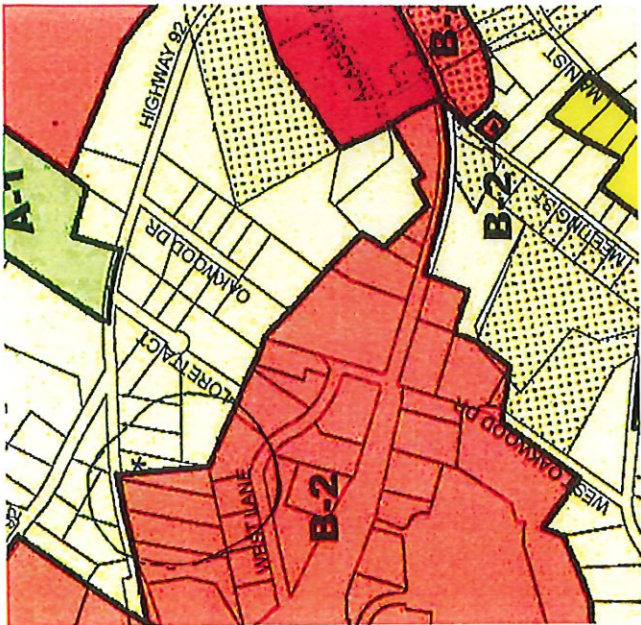
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	• 50+ lots	\$100.00
_____	Annexation	\$25.00
_____	Board of Zoning Appeals (Explanation)	\$50.00

_____ Point(s) of Clarification No Fee

Total amount of fees paid: \$ 80⁰⁰ Receipt Number: 24390



TOWN OF DANDRIDGE REGIONAL PLANNING COMMISSION
REQUEST FORM

Presenter: Matt McQueen Date: 6-23-25

Property Owner(s): Carlyle Construction

Property Address: Sycamore Stream Rd

(House#, Street Name, Subdivision Name if applicable)

Map and Parcel Number(s): 57 - 056.17

Phone Number(s) _____ or _____

(Please list number where you can be reached during the day)

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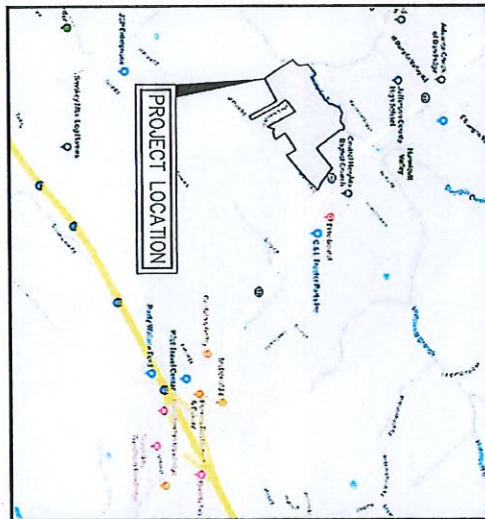
_____ Point(s) of Clarification No Fee

Total amount of fees paid: _____ Receipt Number: _____

JUNE 2025
COMMISSION NO.: 4246A

[illegible]

VICINITY MAP
NO SCALE



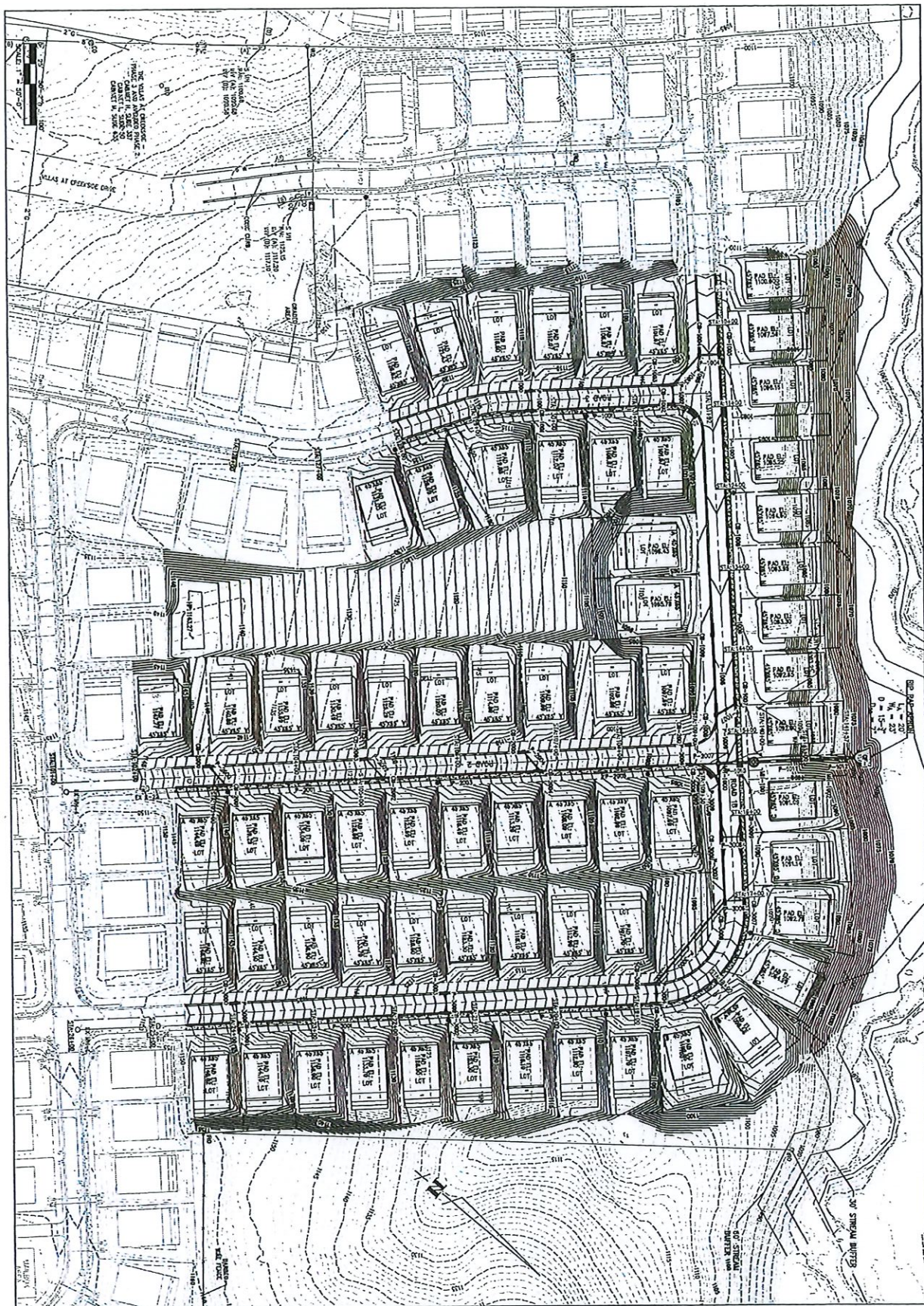
LOCATION MAP
NO SCALE

Malvern & Craig
ENGINEERS-SURVEYORS
403 DUFF WALKER STREET
WATERLOO ONT. IP2C5K6 L2Y0
(427) 918-2201
FAX (427) 919-2222

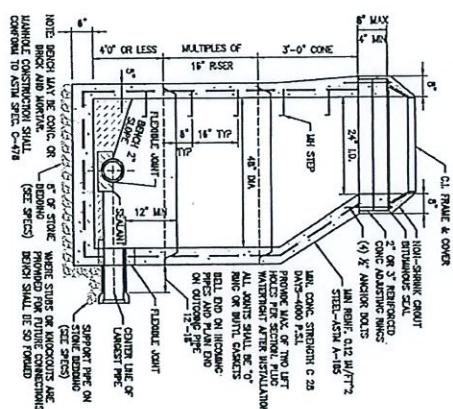
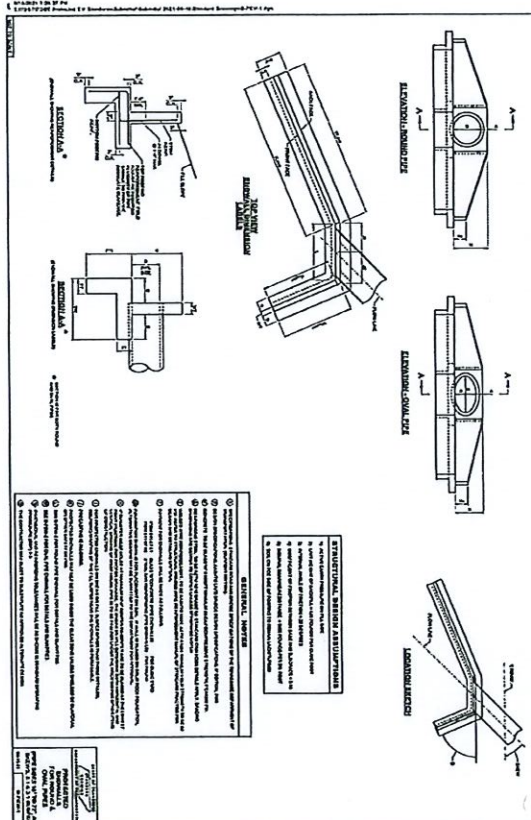
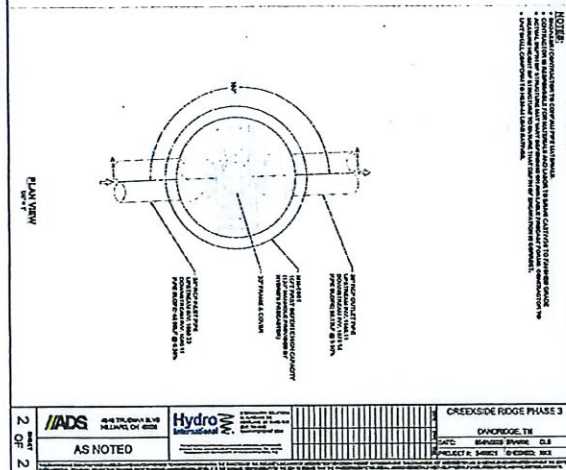
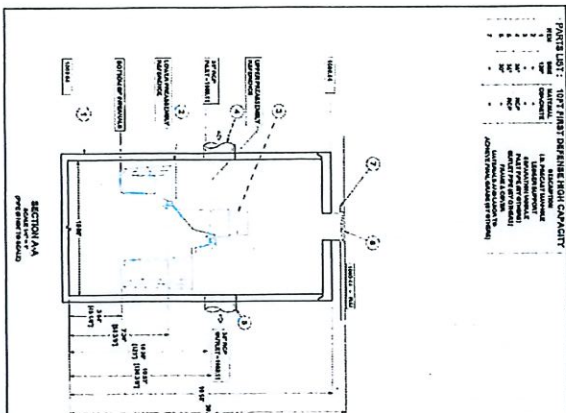


SET NUMBER

[illegible]



C5.0 Sheet No.: Commission Number: 4246A	Creekside Ridge Subdivision - Phase 3 GRADING & STORMWATER PLAN TOWN OF DANDRIDGE, TN	 Mattern & Craig ENGINEERS-SURVEYORS 403 EAST MAPLE STREET JONSON CITY, TENNESSEE 37601 (423) 871-2222 Fax: (423) 871-2222	Issue Date: JUNE 2025 Drawn By: DAS Designed By: DAS Checked By: PWD Date: 01/04/2025	Revisions <table border="1"> <tr> <th>No.</th> <th>Description</th> <th>Date</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	No.	Description	Date										
	No.	Description	Date														

[illegible]

EARTHWORK NOTES

GENERAL

- A. COUNTY WITH ALL CODES, LAWS, ORDINANCES AND REGULATIONS OF GOVERNMENTAL AUTHORITIES HAVING JURISDICTION OVER THIS PROJECT OF THE WORK.
- B. CONTRACTOR SHALL COMPLY WITH ALL STATE AND LOCAL DESIGN AND STANDARD CONTROL, ORDINANCES AND REGULATIONS.
- C. TESTING LABORATORY SHALL BE SELECTED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER AND WILL BE RESPONSIBLE FOR TESTING AND INTERPRETING TESTS. THE TESTING LABORATORY SHALL STATE IN EACH REPORT WHETHER OR NOT THE TEST SPECIMENS CONFORM TO ALL REQUIREMENTS OF THE CONTRACT DOCUMENTS AND SPECIFICALLY NOTE ANY DEVIATION THEREFROM.
- D. SUBMIT THE TEST REPORTS FOR OPTIMUM MATERIALS - LABORATORY OF SOILS AND ALL FIELD DENSITY TESTS.

EXCAVATION

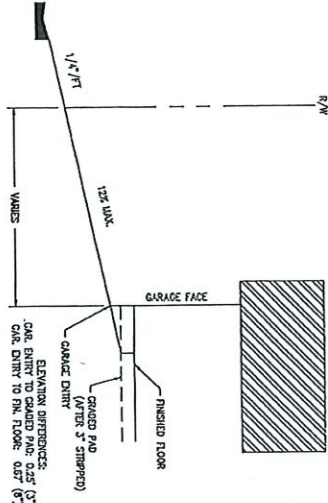
- A. PROTECT ALL EXISTING STRUCTURES AND RELATED UTILITIES ENCOUNTERED IN THE EXCAVATION WORK. MAJOR STRUCTURES AND UTILITIES SHALL BE PROTECTED BY THE EXCAVATION WORK. PROVIDE PROTECTIVE SHIELDING AND SHIELDING FROM SUCH LINES OR STRUCTURES OR ADVANCE FOR THEIR REMOVAL WITH THE PROPER AUTHORITIES OR COMPANIES AT NO ADDITIONAL COST TO THE PROJECT.
- B. REPORT ANY UNIDENTIFIED OR INCORRECTLY CHARTED LINES TO THE ENGINEER FOR FURTHER DIRECTION.

MATERIALS

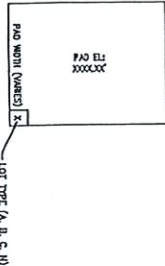
- A. SATURATE MATERIAL FOR FILL, BACKFILL AND SUBGRADE PREPARATION SHALL BE ONE OF: C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30, C31, C32, C33, C34, C35, C36, C37, C38, C39, C40, C41, C42, C43, C44, C45, C46, C47, C48, C49, C50, C51, C52, C53, C54, C55, C56, C57, C58, C59, C60, C61, C62, C63, C64, C65, C66, C67, C68, C69, C70, C71, C72, C73, C74, C75, C76, C77, C78, C79, C80, C81, C82, C83, C84, C85, C86, C87, C88, C89, C90, C91, C92, C93, C94, C95, C96, C97, C98, C99, C100, C101, C102, C103, C104, C105, C106, C107, C108, C109, C110, C111, C112, C113, C114, C115, C116, C117, C118, C119, C120, C121, C122, C123, C124, C125, C126, C127, C128, C129, C130, C131, C132, C133, C134, C135, C136, C137, C138, C139, C140, C141, C142, C143, C144, C145, C146, C147, C148, C149, C150, C151, C152, C153, C154, C155, C156, C157, C158, C159, C160, C161, C162, C163, C164, C165, C166, C167, C168, C169, C170, C171, C172, C173, 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- GENERAL GRADING CONDITIONS:**
1. LOT SHALL BE COMPACTIONED WITH A MINIMUM COMPACTION OF 95% USING STANDARD PROCTOR TEST ASH BULK CUT.
 2. PAVEMENT SHALL BE ESTABLISHED BASED ON THE HIGH SIDE OF THE LOT/DRAINAGE PAD BUT SHALL VARY BASED ON SLOPE STEEP.
 3. MINIMUM DRAINAGE OF 1% SHALL BE MAINTAINED ON THE LOT/DRAINAGE PAD BUT SHALL VARY BASED ON SLOPE STEEP.
 4. MINIMUM DRAINAGE OF 1% SHALL BE MAINTAINED ON THE LOT/DRAINAGE PAD BUT SHALL VARY BASED ON SLOPE STEEP.
 5. MINIMUM DRAINAGE OF 1% SHALL BE MAINTAINED ON THE LOT/DRAINAGE PAD BUT SHALL VARY BASED ON SLOPE STEEP.
 6. MINIMUM DRAINAGE OF 1% SHALL BE MAINTAINED ON THE LOT/DRAINAGE PAD BUT SHALL VARY BASED ON SLOPE STEEP.
 7. MINIMUM DRAINAGE OF 1% SHALL BE MAINTAINED ON THE LOT/DRAINAGE PAD BUT SHALL VARY BASED ON SLOPE STEEP.
 8. MINIMUM DRAINAGE OF 1% SHALL BE MAINTAINED ON THE LOT/DRAINAGE PAD BUT SHALL VARY BASED ON SLOPE STEEP.
 9. MINIMUM DRAINAGE OF 1% SHALL BE MAINTAINED ON THE LOT/DRAINAGE PAD BUT SHALL VARY BASED ON SLOPE STEEP.
 10. MINIMUM DRAINAGE OF 1% SHALL BE MAINTAINED ON THE LOT/DRAINAGE PAD BUT SHALL VARY BASED ON SLOPE STEEP.
 11. MINIMUM DRAINAGE OF 1% SHALL BE MAINTAINED ON THE LOT/DRAINAGE PAD BUT SHALL VARY BASED ON SLOPE STEEP.

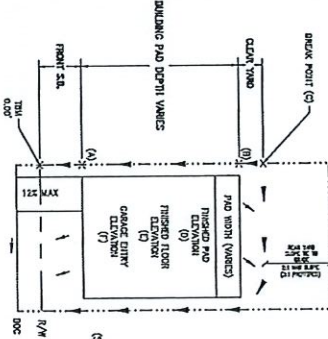
DRIVEWAY DETAIL (R/W TO GARAGE ENTRY)



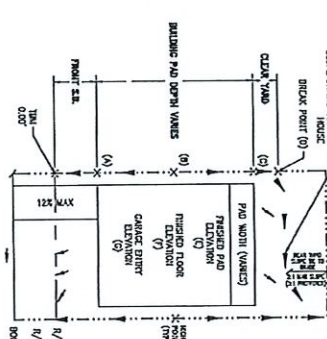
NOTE: FOR LOTS LABELED 'N' (NON-OR HORTON STANDARD GRADING OWNER) TO DEVELOP STEEL WALL OR CONCRETE SPACE LOTS AS INDICATED ON C.S.O.



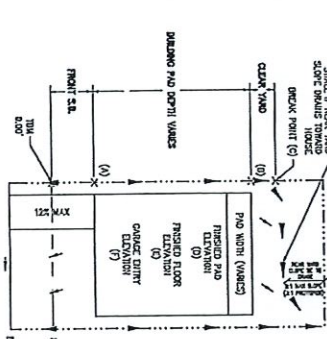
TYPE 'A' LOT DRAINAGE (FRONT TO FRONT)



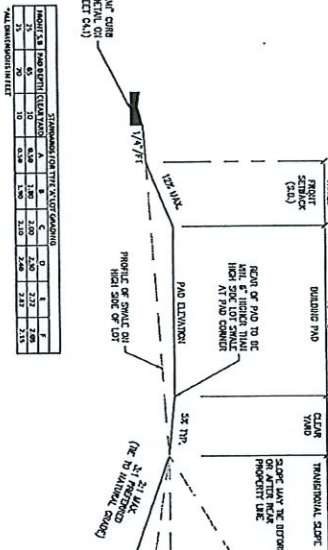
TYPE 'B' LOT DRAINAGE (SPLIT DRAINAGE CONDITION)



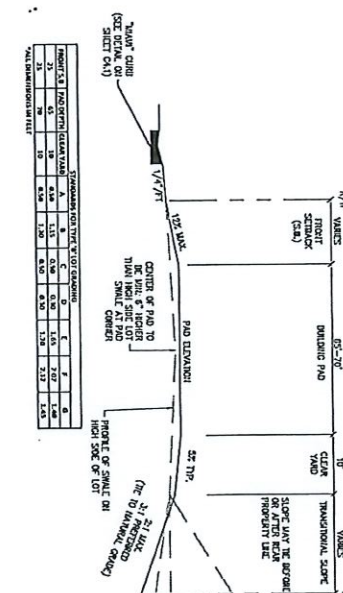
TYPE 'C' LOT DRAINAGE (FRONT TO BACK)



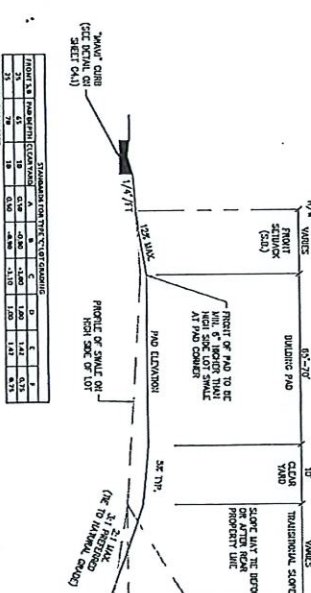
TYPE 'A' LOT DRAINAGE BACK TO FRONT DRAIN PATTERN PROFILE VIEW



TYPE 'B' LOT DRAINAGE SPLIT DRAINAGE PATTERN PROFILE VIEW



TYPE 'C' LOT DRAINAGE FRONT TO BACK DRAINAGE PATTERN PROFILE VIEW



CREEDSIDE RIDGE SUBDIVISION - PHASE 3

PAD GRADING NOTES & DETAILS

TOWN OF DANDRIDGE, TN

Mattern & Craig
ENGINEERS/SURVEYORS

Issue Date: JUNE 2025

Drawn By: CAS

Designed By: CAS

Checked By: RWS

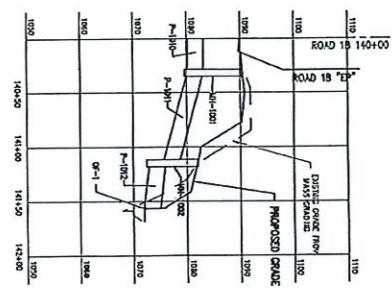
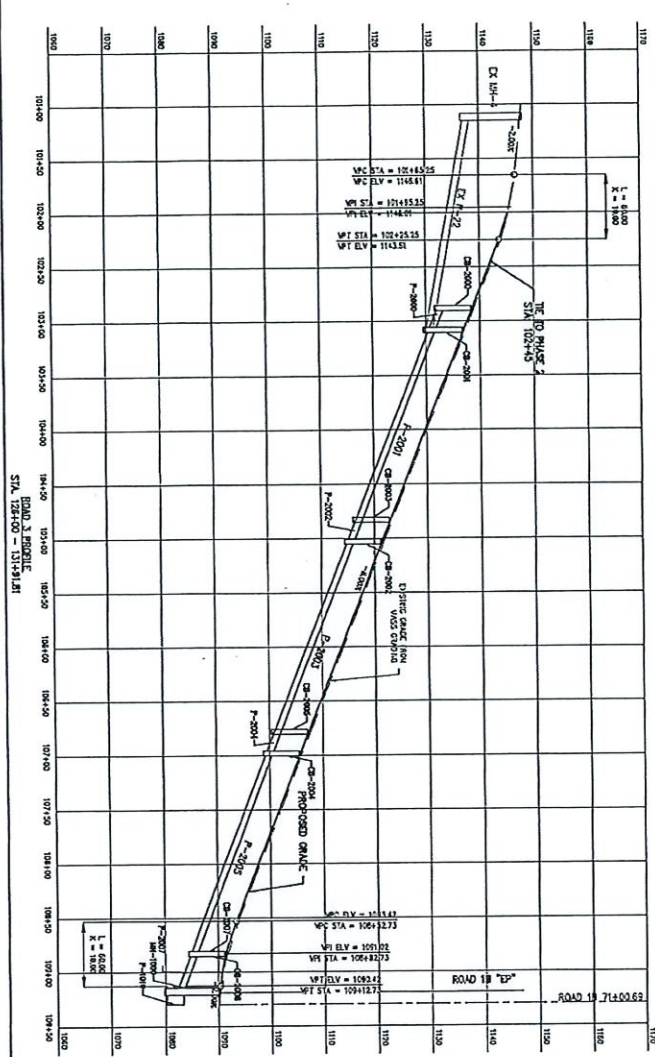
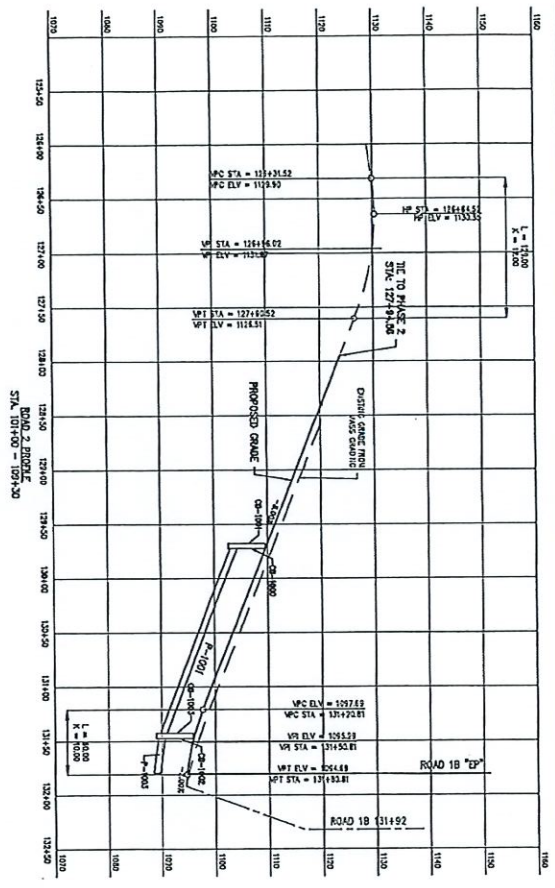
Date: 04/01/2025

Scale: 1/4" = 1'-0"

Revision: 1

Drawn: 04/01/2025

Checked: 04/01/2025



C5.7

PROJECT NO. 22-001
SHEET NO. 12-001

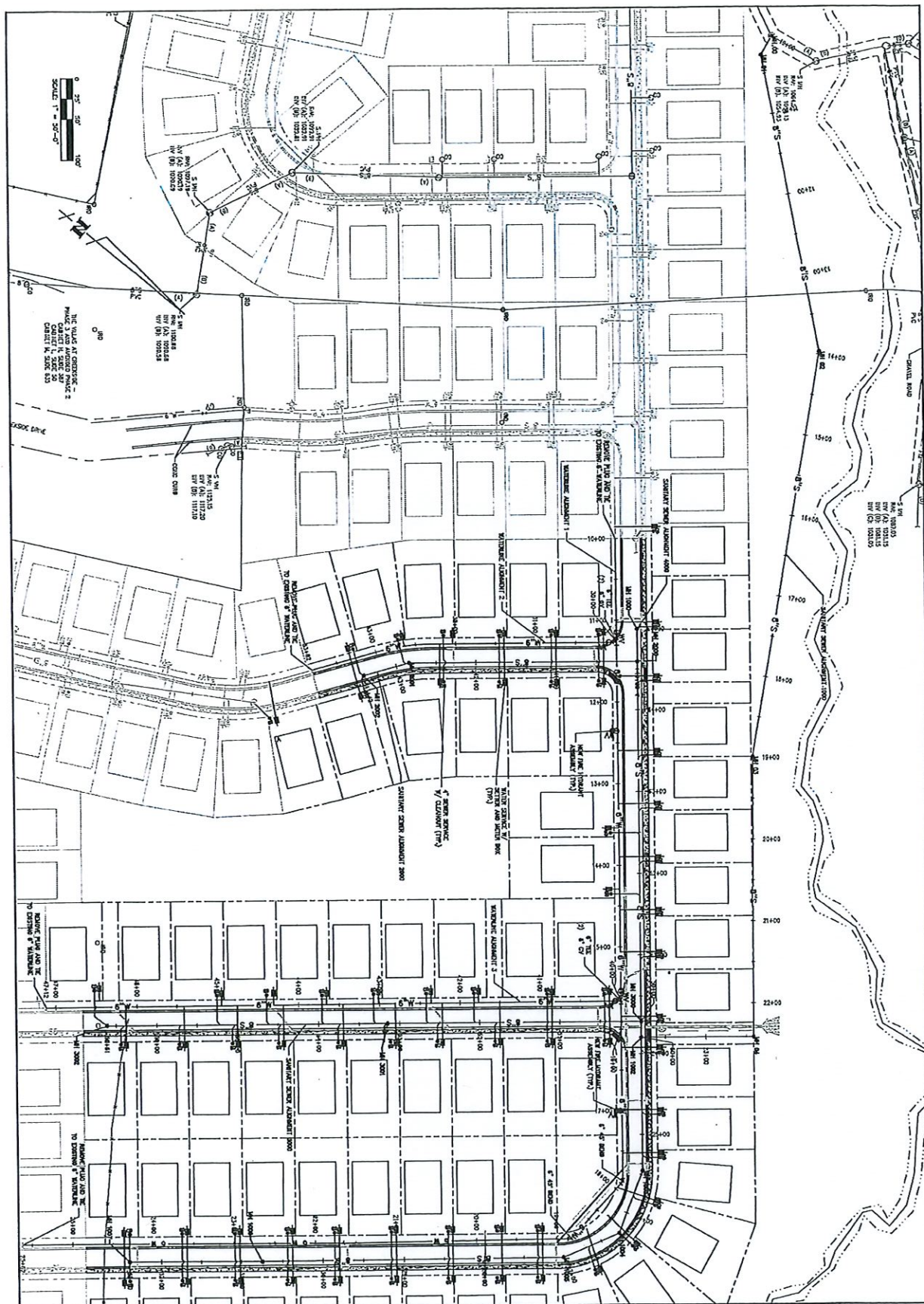
CREEKSIDE RIDGE SUBDIVISION - PHASE 3
ROAD AND STORMWATER PROFILES
TOWN OF DANDRIDGE, TN

Mattern & Craig
ENGINEERS/SURVEYORS
403 EAST MARKET STREET
JOHNSON CITY, TENNESSEE 37601
TEL: (615) 252-2222
FAX: (615) 252-2222

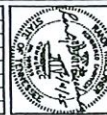
Issue Date: JUNE 2025
Drawn By: DAS
Designed By: DAS
Checked By: RUD
Date: 06/21/2025

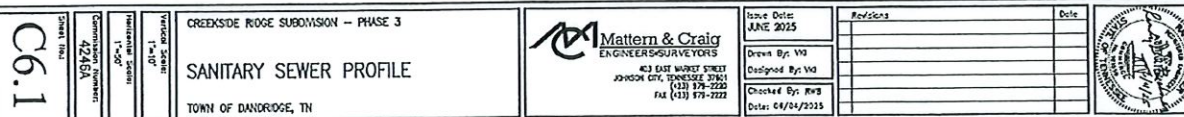
Revisions	Date

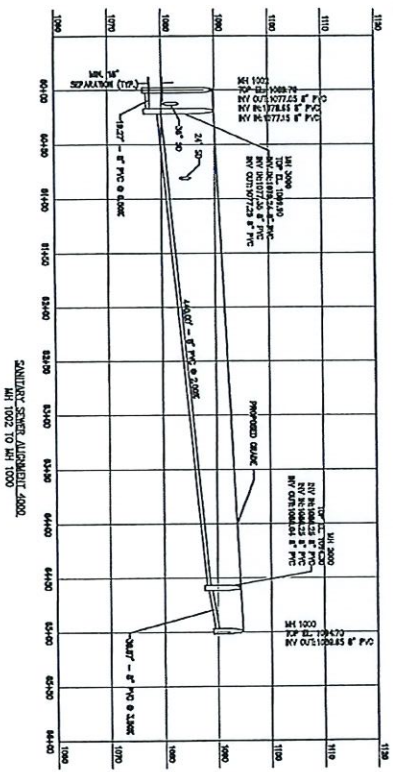
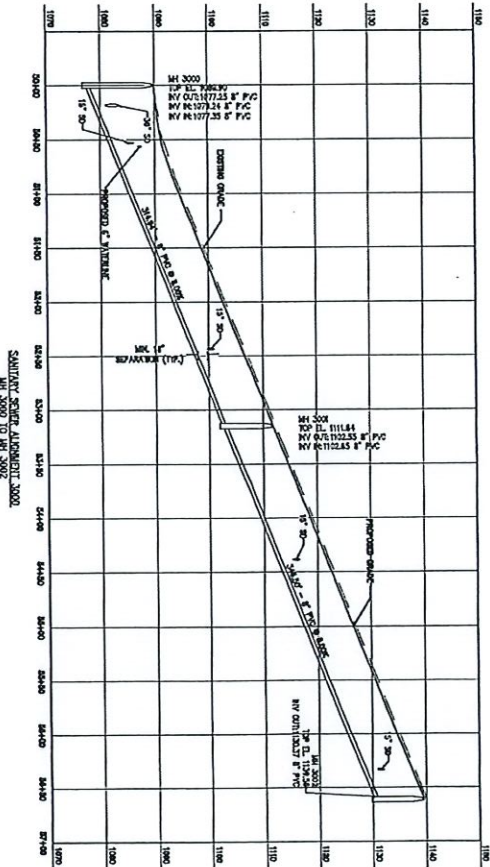
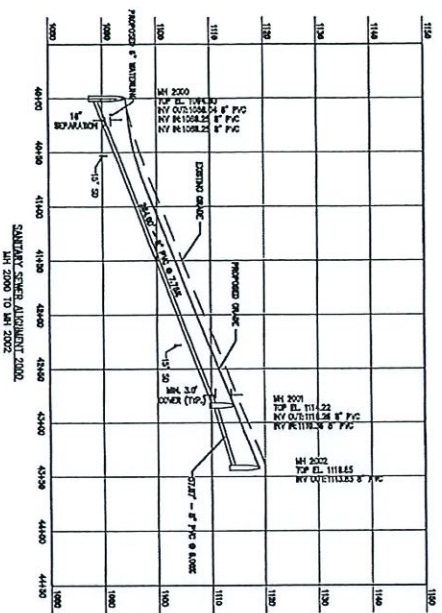




C6.0 SHEET NO. 1 OF 1	CREEKSIDE RIDGE SUBDIVISION - PHASE 3 UTILITY PLAN TOWN OF DANDRIDGE, TN	 Mattern & Craig ENGINEERS & SURVEYORS 421 DUT WARD STREET DANDRIDGE, TN 37047 (615) 571-2222 FAX (615) 571-2222	Issue Date: JUNE 2025	Date: 06/04/2025
			Drawn By: VJO Designed By: VJO Checked By: RWA Date: 06/04/2025	







C6.2

4246A

Sheet No.

CREEKSIDE RIDGE SUBDIVISION - PHASE 3

SANITARY SEWER PROFILES

TOWN OF DANDRIDGE, TN

Mattern & Craig

ENGINEERS-SURVEYORS

433 EAST BIRCH STREET

MEMPHIS, TENNESSEE 38103

TEL: 901-594-1222

FAX: 901-594-1222

Issue Date: JUNE 2025

Drawn By: VAO

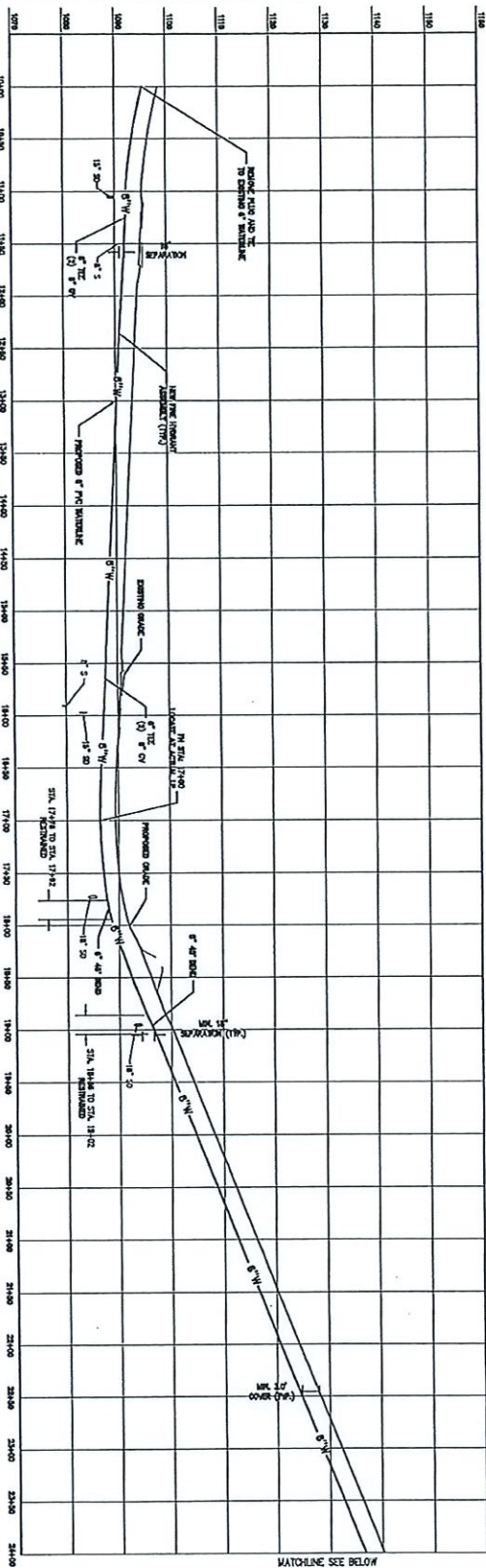
Designed By: VAO

Checked By: RVB

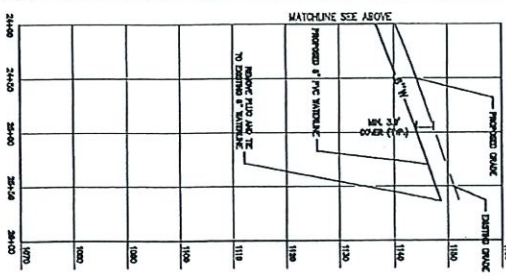
Date: 06/04/2025

Revisions

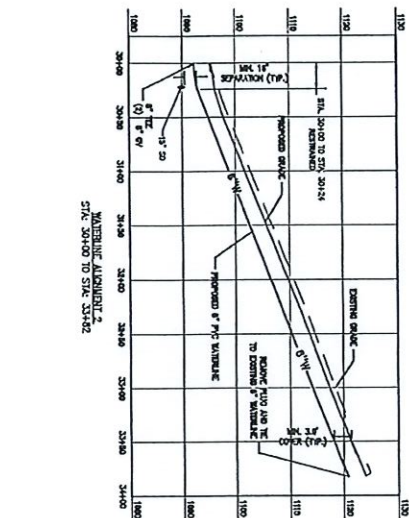
No.	Description	Date



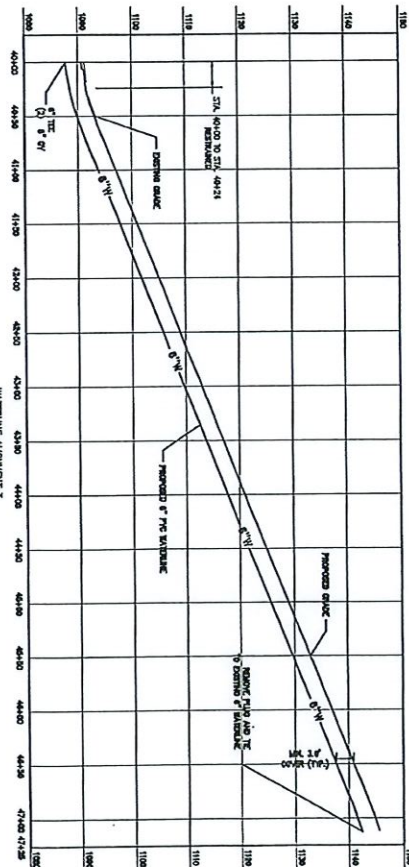
WATERLINE ALIGNMENT 1
STATION 10+00 TO STATION 24+00



WATERLINE ALIGNMENT 2
STATION 24+00 TO STATION 28+00



WATERLINE ALIGNMENT 3
STATION 28+00 TO STATION 34+00



C6.3

CREEKSDALE RIDGE SUBDIVISION - PHASE 3

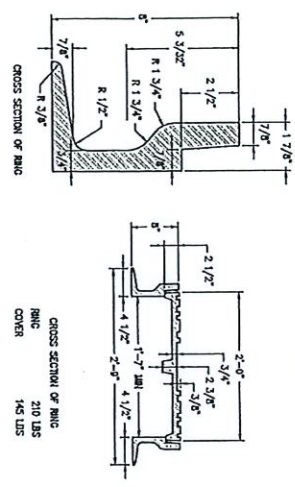
WATERLINE PROFILES

TOWN OF DANDRIDGE, TN

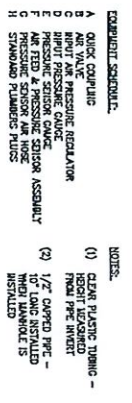
Mattern & Craig
ENGINEERS/SURVEYORS
443 BUS MARKET STREET
JOHNSON CITY, TENNESSEE 37601
TEL: (615) 978-2225
FAX: (615) 978-2222

Revisions	Date

Issue Date: JUNE 2025	Drawn By: VML
Designed By: VML	Checked By: RWR
Date: 06/04/2025	



MC SS-21 AIR TEST SKETCH
HOT TO SCALE



MC SS-9 MANHOLE INVERT SHAPING
SCALE: NOT TO SCALE

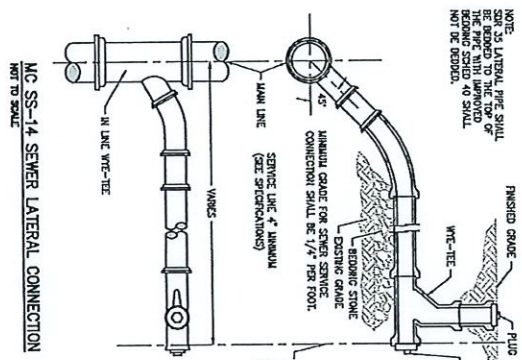


MC SS-1 PRECAST CONCRETE MANHOLE-4' DIA-STD
SCALE: NOT TO SCALE

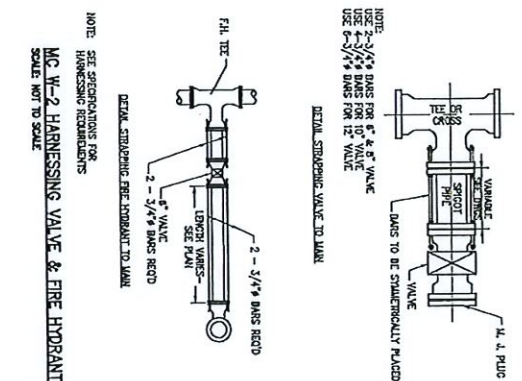


MC SS-11 MANHOLE STEP
NOT TO SCALE

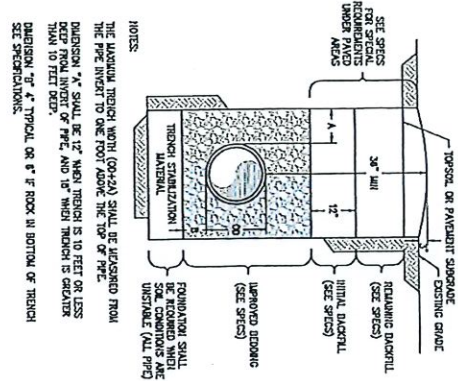
NOTES:
ALL STEPS WILL BE REQUIRED IN ALL STRUCTURES WITH A DEPTH OF 4'-0" OR GREATER. MAXIMUM OVERLAP NOTED IN THE PLANS.
ALL STEPS SHALL PROTRUDE 5' FROM WORK FACE OF STRUCTURE WALL.
MAXIMUM STEP SPACING TO BE 4'-0" C-C.
STEPS SHALL WITHSTAND A MINIMUM LOAD OF 200 LBS WHEN EXTENDED 5' FROM THE FACE OF THE STRUCTURE.
STEPS ARE TO BE VERTICALLY REINFORCED AND HORIZONTAL SPACED FOR THE ENTIRE DEPTH OF ANY STRUCTURE.
IN RECAST CONCRETE STEPS MAY BE CAST IN PLACE OR MORTARED INTO EXISTING CONCRETE OF THE FOUNDATION.
STEPS OBTAINING ALLOWABLE COMPRESSIVE OR TENSILE STRESS FROM THOSE SPECIFIED SHALL BE USED. THE CONTRACTOR AND THE CONSULTANT SHALL SUBMIT THE DESIGN OF SUCH STEPS TO THE CONSULTANT FOR HIS APPROVED THE ENGINEER WITH DETAILS AND CAPPED TEST REPORTS OF THE PROPOSED SUBSTITUTE AND HAS RECEIVED WRITTEN APPROVAL FROM THE ENGINEER FOR USE OF SUCH STEPS.



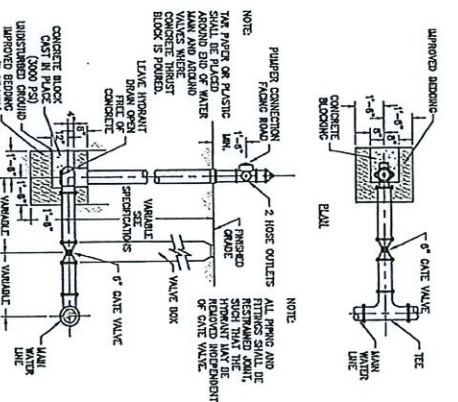
MC SS-14 SEWER LATERAL CONNECTION
NOT TO SCALE



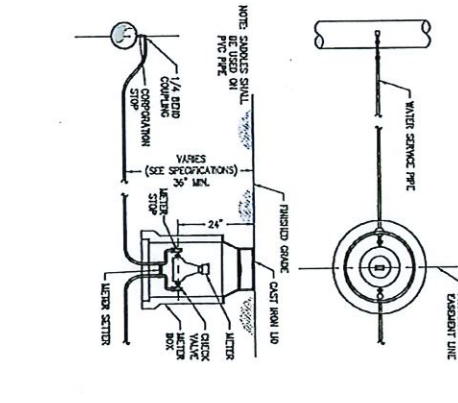
MC W-2 HARNESSING VALVE & FIRE HYDRANT TO MAIN
SCALE NOT TO SCALE



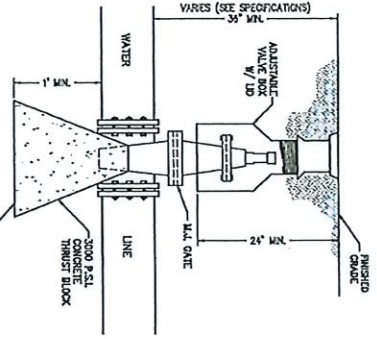
MC SS-20 TRENCH DETAILS FOR GRAVITY PIPES
NOT TO SCALE



MC W-1 FIRE HYDRANT INSTALLATION
SCALE NOT TO SCALE



MC W-3A TYPICAL SERVICE CONNECTION WITH METER
SCALE NOT TO SCALE

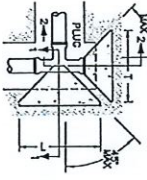


- NOTES:
1. IN REBOTE AREAS, VALVE BOXES SHALL EXCEED 30" INCHES ABOVE GRADE.
 2. THE PAPER OR PLASTIC SHALL BE PLACED AROUND THE VALVE AND AROUND VALVES WHERE CONCRETE REBOTE BLOCK IS REQUIRED.

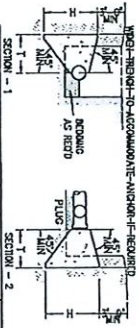
MC W-4 TYPICAL GATE VALVE INSTALLATION
SCALE: NOT TO SCALE



FOR ALL BOXES



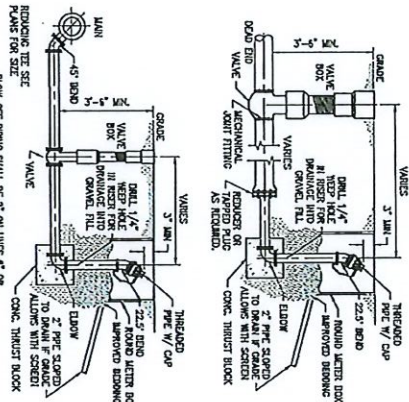
FOR TIE OR PILE FITTINGS



PIPE SIZE	THRUST BLOCK SIZE	THRUST BLOCK WEIGHT	THRUST BLOCK VOLUME	THRUST BLOCK AREA	THRUST BLOCK PERIMETER
1/2"	12" x 12" x 12"	100 lbs	0.017 cu yd	144 sq in	48 in
3/4"	12" x 12" x 12"	100 lbs	0.017 cu yd	144 sq in	48 in
1"	12" x 12" x 12"	100 lbs	0.017 cu yd	144 sq in	48 in
1 1/4"	12" x 12" x 12"	100 lbs	0.017 cu yd	144 sq in	48 in
1 1/2"	12" x 12" x 12"	100 lbs	0.017 cu yd	144 sq in	48 in
2"	12" x 12" x 12"	100 lbs	0.017 cu yd	144 sq in	48 in
2 1/2"	12" x 12" x 12"	100 lbs	0.017 cu yd	144 sq in	48 in
3"	12" x 12" x 12"	100 lbs	0.017 cu yd	144 sq in	48 in
3 1/2"	12" x 12" x 12"	100 lbs	0.017 cu yd	144 sq in	48 in
4"	12" x 12" x 12"	100 lbs	0.017 cu yd	144 sq in	48 in
4 1/2"	12" x 12" x 12"	100 lbs	0.017 cu yd	144 sq in	48 in
5"	12" x 12" x 12"	100 lbs	0.017 cu yd	144 sq in	48 in
5 1/2"	12" x 12" x 12"	100 lbs	0.017 cu yd	144 sq in	48 in
6"	12" x 12" x 12"	100 lbs	0.017 cu yd	144 sq in	48 in
6 1/2"	12" x 12" x 12"	100 lbs	0.017 cu yd	144 sq in	48 in
7"	12" x 12" x 12"	100 lbs	0.017 cu yd	144 sq in	48 in
7 1/2"	12" x 12" x 12"	100 lbs	0.017 cu yd	144 sq in	48 in
8"	12" x 12" x 12"	100 lbs	0.017 cu yd	144 sq in	48 in
8 1/2"	12" x 12" x 12"	100 lbs	0.017 cu yd	144 sq in	48 in
9"	12" x 12" x 12"	100 lbs	0.017 cu yd	144 sq in	48 in
9 1/2"	12" x 12" x 12"	100 lbs	0.017 cu yd	144 sq in	48 in
10"	12" x 12" x 12"	100 lbs	0.017 cu yd	144 sq in	48 in
10 1/2"	12" x 12" x 12"	100 lbs	0.017 cu yd	144 sq in	48 in
11"	12" x 12" x 12"	100 lbs	0.017 cu yd	144 sq in	48 in
11 1/2"	12" x 12" x 12"	100 lbs	0.017 cu yd	144 sq in	48 in
12"	12" x 12" x 12"	100 lbs	0.017 cu yd	144 sq in	48 in

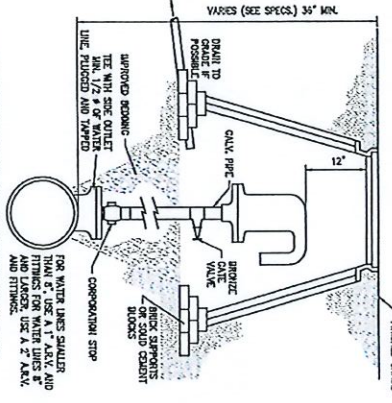
- NOTES:
1. THRUST BLOCKS ARE REQUIRED UNLESS THE PIPELINE CHANGES DIRECTION OR THE VALVE IS INSTALLED IN A REBOTE AREA.
 2. USE 2000 P.S.I. CONCRETE.
 3. NO CONCRETE SHALL BE PLACED ON ANY PART OF THE GATE.
 4. THE VALVE SHALL BE PLACED ON A REBOTE BLOCK IF THE VALVE AND AROUND VALVES WHERE CONCRETE REBOTE BLOCK IS REQUIRED.

MC W-7A THRUST BLOCK DETAIL
SCALE: NOT TO SCALE



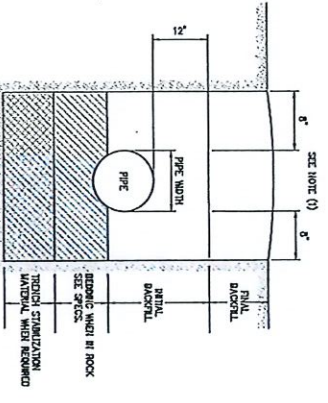
- NOTE: THE PAPER OR PLASTIC SHALL BE PLACED AROUND THE VALVE AND AROUND VALVES WHERE CONCRETE THRUST BLOCK IS REQUIRED.

MC W-5 BLOW-OFF DETAIL (STANDARD)
SCALE: NOT TO SCALE



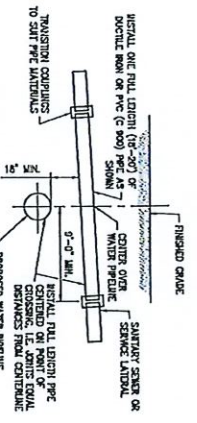
- A REBOTE VALVE AND COVER WITH "WATER CAST" AT THE TOP SHALL BE USED. AN ADEQUATE FOUNDATION SHALL BE PROVIDED TO THE VALVE LINE DOESN'T SUPPORT THE VALVE CONE.

MC W-8 COMBINATION AIR VALVE
SCALE: NOT TO SCALE



- NOTES:
1. SEE SPECIFICATIONS FOR REBOTE VALVE. IF PIPE IS NOT REBOTE, EITHER OF TRENCH SHALL BE SHOWN TO VALVE REBOTE FOR REBOTE RECOMMENDATIONS AND CONSTRUCTION.
 2. THE VALVE IS FOR WATER LINES, FORCE MAINS, AND OTHER PRESSURE PIPES.

MC W-9 TRENCH INSTALLATION FOR PRESSURE PIPE (NOT Banded)
SCALE: NOT TO SCALE



- NOTES:
1. INSTALL ONE FULL LENGTH (10'-00" OR GREATER) RUN OF PVC (C-900) PIPE AS 7' SHOWN.
 2. TRENCH INSTALLATION FOR WATER PIPELINE CROSSING SANITARY SEWER SHALL BE TO 1' ABOVE THE TOP OF THE SEWER.

MC W-18 WATER PIPELINE CROSSING SANITARY SEWER
SCALE: NOT TO SCALE

PIPE SIZE	THRUST BLOCK SIZE	THRUST BLOCK WEIGHT	THRUST BLOCK VOLUME	THRUST BLOCK AREA	THRUST BLOCK PERIMETER
1/2"	12" x 12" x 12"	100 lbs	0.017 cu yd	144 sq in	48 in
3/4"	12" x 12" x 12"	100 lbs	0.017 cu yd	144 sq in	48 in
1"	12" x 12" x 12"	100 lbs	0.017 cu yd	144 sq in	48 in
1 1/4"	12" x 12" x 12"	100 lbs	0.017 cu yd	144 sq in	48 in
1 1/2"	12" x 12" x 12"	100 lbs	0.017 cu yd	144 sq in	48 in
2"	12" x 12" x 12"	100 lbs	0.017 cu yd	144 sq in	48 in
2 1/2"	12" x 12" x 12"	100 lbs	0.017 cu yd	144 sq in	48 in
3"	12" x 12" x 12"	100 lbs	0.017 cu yd	144 sq in	48 in
3 1/2"	12" x 12" x 12"	100 lbs	0.017 cu yd	144 sq in	48 in
4"	12" x 12" x 12"	100 lbs	0.017 cu yd	144 sq in	48 in
4 1/2"	12" x 12" x 12"	100 lbs	0.017 cu yd	144 sq in	48 in
5"	12" x 12" x 12"	100 lbs	0.017 cu yd	144 sq in	48 in
5 1/2"	12" x 12" x 12"	100 lbs	0.017 cu yd	144 sq in	48 in
6"	12" x 12" x 12"	100 lbs	0.017 cu yd	144 sq in	48 in
6 1/2"	12" x 12" x 12"	100 lbs	0.017 cu yd	144 sq in	48 in
7"	12" x 12" x 12"	100 lbs	0.017 cu yd	144 sq in	48 in
7 1/2"	12" x 12" x 12"	100 lbs	0.017 cu yd	144 sq in	48 in
8"	12" x 12" x 12"	100 lbs	0.017 cu yd	144 sq in	48 in
8 1/2"	12" x 12" x 12"	100 lbs	0.017 cu yd	144 sq in	48 in
9"	12" x 12" x 12"	100 lbs	0.017 cu yd	144 sq in	48 in
9 1/2"	12" x 12" x 12"	100 lbs	0.017 cu yd	144 sq in	48 in
10"	12" x 12" x 12"	100 lbs	0.017 cu yd	144 sq in	48 in
10 1/2"	12" x 12" x 12"	100 lbs	0.017 cu yd	144 sq in	48 in
11"	12" x 12" x 12"	100 lbs	0.017 cu yd	144 sq in	48 in
11 1/2"	12" x 12" x 12"	100 lbs	0.017 cu yd	144 sq in	48 in
12"	12" x 12" x 12"	100 lbs	0.017 cu yd	144 sq in	48 in

- NOTES:
1. LENGTHS SHOWN ARE IN FEET.
 2. WHERE TEST PRESSURES EXCEED 300 PSI CONSULT WITH THE REB.
 3. IN AREAS OF POOR SOILS, CONSIDER LENGTHS WITH ENHANCED.
 4. AS AN ALTERNATE, THRUST BLOCKS FOR WATER LINES SHALL BE 1' x 1' x 1' AND FOR SEWER LINES SHALL BE 1' x 1' x 1'.
 5. BOTH SIDES OF VALVES SHALL BE REBOTE, AS INDICATED FOR REBOTE BLOCK.
 6. FOR VERTICAL LINES, USE MOST STRENGTH COLUMN.

MC W-7 MINIMUM REQUIRED PIPE RESISTANT LENGTH
SCALE: NOT TO SCALE



Mattern & Craigh
ENGINEERS-SURVEYORS
403 S. 10th St., Suite 100
Nashville, TN 37203
Tel: 615-259-1500
Fax: 615-259-1501

CREEKSIDE ROGE SUBDIVISION - PHASE 3
UTILITY DETAILS
TOWN OF DANDRIDGE, TN

Project No.: 4246A
Drawing No.: 4246A
Scale: 1" = 10'-0"

C6.6

SANITARY SEWER INSTALLATION

MATERIALS - GENERAL

- A. ALL MATERIALS AND APPENDAGES REQUIRED FOR THE WORK SHALL BE NEW, OF BEST-CLASS QUALITY AND SHALL BE MANUFACTURED, TESTED, CONNECTED AND SHIPPED IN CONFORMANCE WITH THE SPECIFICATIONS OF THE MANUFACTURER. ALL MATERIALS SHALL BE KEPT IN STOCK AT ALL TIMES TO INSURE THE CONTINUITY OF THE WORK.
- B. CONCRETE, CEMENT, SAND, GRAVEL, AND OTHER MATERIALS SHALL BE OBTAINED FROM A REPUTABLE SOURCE, AND THE QUALITY OF THE SAME SHALL BE GUARANTEED BY THE SUPPLIER. ALL MATERIALS SHALL BE KEPT IN STOCK AT ALL TIMES TO INSURE THE CONTINUITY OF THE WORK.
- C. ALL MATERIALS SHALL BE KEPT IN STOCK AT ALL TIMES TO INSURE THE CONTINUITY OF THE WORK.

PIPE, FITTINGS AND JOINTS

- A. THE CONTRACTOR SHALL INSTALL ONLY ONE (1) TYPE OF PIPE BETWEEN STRUCTURES EXCEPT WHERE DUCTILE IRON PIPE IS SPECIFIED OR INDICATED. WHERE EXISTING PIPE IS TO BE REPLACED OR EXTENDED THE SAME TYPE OF PIPE SHALL BE INSTALLED UNLESS SPECIFIED OR INDICATED OTHERWISE. ALL PIPE SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE RECOMMENDATIONS OF THE MANUFACTURER.
- B. GRANT SANITARY SEWERS SHALL BE EITHER SMOOTH BORE OR CORRUGATED WALL POLYETHYLENE GLASS REINFORCED PIPE, AT THE CONTRACTOR'S OPTION, UNLESS SPECIFIED OR INDICATED OTHERWISE. CORRUGATED PIPE IN CLASS PIPS SHALL BE DUCTILE IRON PIPE.
- C. SANITARY SEWER LATERALS SHALL BE EITHER SCHEDULE 40 POLYETHYLENE GLASS REINFORCED PIPE, AT THE CONTRACTOR'S OPTION, UNLESS SPECIFIED OR INDICATED OTHERWISE.

JOINTS OF PIPE

- A. POLYETHYLENE GLASS REINFORCED PIPE AND FITTINGS SHALL BE SDR 35 AND SHALL CONFORM WITH ASTM D2004 FOR PIPE SIZES 4"-12" AND ASTM D2004 FOR FITTINGS SIZES 12"-48". SCHEDULE 40 PVC PIPE FOR SERVICE LATERALS SHALL CONFORM TO ASTM D2239.
- B. DUCTILE IRON PIPE SHALL CONFORM WITH AWWA C151/ANSI 21.51 AND FITTINGS SHALL CONFORM WITH AWWA C151/ANSI 21.51 (COMPACT FITTINGS). THE PIPE AND FITTINGS SHALL BE ASPHALT CEMENT JOINTED UNLESS OTHERWISE SPECIFIED OR INDICATED. THE PIPE THICKNESS SHALL CONFORM WITH AWWA C 151/ANSI 21.50 AND SHALL BE CLASS 300, AS A MINIMUM.
- C. SCHEDULE 40 PVC SHALL CONFORM TO ASTM D2239.

JOINTS AND COUPLERS

- A. PIPE AND FITTINGS SHALL BE BELL AND SPIGOT TYPE JOINTS. THE BELL AND SPIGOT JOINT SHALL BE SEALED WITH AN ELASTOMERIC GASKET CONFORMING TO ASTM D2222. THE JOINTS SHALL BE MADE IN STRICT ACCORDANCE WITH THE RECOMMENDATIONS OF THE PIPE MANUFACTURER.
- B. JOINTS FOR ALL GRANT PVC PIPE AND POLYETHYLENE GLASS REINFORCED PIPE SHALL BE MADE IN STRICT ACCORDANCE WITH THE RECOMMENDATIONS OF THE PIPE MANUFACTURER.
- C. DUCTILE IRON PIPE AND FITTINGS FOR BURIED SERVICE SHALL BE EITHER WETPACKED OR BELL AND SPIGOT TYPE JOINTS AS SPECIFIED OR INDICATED. JOINTS SHALL BE MADE WITH A SMOOTH INTERIOR SURFACE. JOINTS SHALL BE MADE IN STRICT ACCORDANCE WITH THE RECOMMENDATIONS OF THE PIPE MANUFACTURER.
- D. JOINTS FOR SCHEDULE 40 PVC SHALL BE COUPLERS WITH SOCKET JOINT. FITTINGS SHALL CONFORM TO ASTM D2239, SCHEDULE 40.
- E. COUPLERS SHALL BE PVC AND SHALL ATTACH TO EACH PIPE WITH A STAINLESS-STEEL BOLT. ALL COUPLERS SHALL BE MADE TO SPECIFIC MANUFACTURER, SIZE OF EACH PIPE CONNECTION, AND PIPE MATERIALS. COUPLERS SHALL BE TESTED TO EXCEED THE DESIGN LOADS.

SEWER SYSTEM REQUIREMENTS

- A. SANITARY SEWER LATERAL CONNECTIONS SHALL INCLUDE ALL PIPE REQUIRED AT THE DEPTH SPECIFIED AND SHALL INCLUDE THE PIPE AND FITTINGS REQUIRED AT THE CONNECTION TO THE SEWER LINE OR THE SERVICE TAP WHERE APPROVED BY THE ENGINEER, AND SHALL INCLUDE PIPE TO RUN TO THE CLEANOUT AT THE PROPERTY OR EXISTENT LINE. THE PIPE SHALL BE LAD TO THE PROPERTY LINE AND COVERED, IF NOT CONNECTED TO THE SERVICE CONNECTION. AFTER BACKFILLING THE TRENCH, A 2 X 4 X 16-INCH STAKE WITH THE END PAINTED ORANGE SHALL BE DRIVEN FLUSH WITH THE GROUND, AT THE CAP TO MARK ITS LOCATION.
- B. PLUGS OR CAPS USED SHALL BE MANUFACTURED SPECIFICALLY FOR THE TYPE OF PIPE USED. THEY SHALL BE SECURED SUCH THAT THEY WILL BE WATERPROOF AND WILL WITHSTAND THE INTERNAL PRESSURE APPLIED BY AIR OR EXPANSION OF THE PIPE.
- C. THE INSTALLATION OF THE SANITARY SEWER SYSTEM SHALL BEGIN AT THE DOMESTIC MAINLINE AND PROCEED WESTWARD TO THE STREET.
- D. THE DOMESTIC MAINLINE SECTIONS SHALL BE COMPLETED, TESTED AND APPROVED PRIOR TO ALLOWING SANITARY SERVICE TO THE STREET.
- E. DO NOT LAY PIPE ON PLACE MANHOLES UNTIL ALL WATER HAS BEEN REMOVED FROM THE TRENCH, OR WHEN IN THE OPINION OF THE ENGINEER, THE TRENCH OR THE WEATHER CONDITIONS ARE UNSUITABLE FOR WORK.

LATERAL PIPE AND PLACING MANHOLES

- A. PIPE THAT MAY REQUIRE FIELD CUTTING SHALL BE DONE SO IN A NEAT AND WORKMANLIKE MANNER, SO AS TO LEAVE A SMOOTH END AT RIGHT ANGLES TO THE AXIS OF THE PIPE. CARE SHALL BE TAKEN TO AVOID DAMAGING THE PIPE AND ANY COUPLERS OR JOINTS. DUCTILE IRON PIPE SHALL NOT BE CUT WITH AN OXYACETYLENE TORCH.
- B. THE MATERIALS SHALL BE VISUALLY INSPECTED FOR DEFECTS BEFORE LAYING THE PIPE OR PLACING THE MANHOLES INTO THE TRENCH. DURING THE LAYING OF THE PIPE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE PIPE FROM DAMAGE BY THE PILE SHALL BE CLEAR OF ALL SOIL, ROCKS AND SUBSTANCES MATERIALS PRIOR TO AND DURING THE INSTALLATION.
- C. EXISTING EXIST PRECAUTION TO PREVENT FROST LATERAL FROM ENTERING THE PIPE WHILE IT IS BEING PLACED IN THE TRENCH, FAILURE OF THE CONTRACTOR TO TAKE SUCH PRECAUTIONS MAY RESULT IN THE ENGINEER REQUIRING A HEAVY, TIGHTLY WOUND CANVAS BAG OF SUFFICIENT SIZE BE PLACED OVER EACH END OF THE PIPE AND RETURNED ONLY WHEN THE JOINT CAN BE MADE PROPERLY.

- F. THE PIPE AND MANHOLES SHALL BE LAYED CAREFULLY INTO THE TRENCH BY STAKE MEASUREMENTS AND HANDLED WITH CARE TO AVOID DAMAGE. UNDER NO CIRCUMSTANCES SHALL THE MANHOLES BE DROPPED OR BANGED INTO THE TRENCH.
- G. THE PIPE SHALL BE INSTALLED IN ACCORDANCE WITH THE PIPE MANUFACTURER'S RECOMMENDATIONS AND AS DIRECTED BY THE ENGINEER. THE PIPE SHALL BE LAYED IN THE STRAIGHT LINES WITH THE BELL ENDS UPSTREAM AND WITH THE RIGHT OF THE PIPE BEING THE TRUE ELEVATION AND GRADE OF THE SYSTEM.
- H. ESTABLISH AND MAINTAIN THE HORIZONTAL, ALTIMETER AND GRADE OF THE SYSTEM IN ACCORDANCE WITH THE SEWER INFORMATION INDICATED ON THE PLANS.

- I. THE HORIZONTAL ALIGNMENT OF THE PIPE SHALL BE MAINTAINED BY A TRANSIT OR THEODOLITE PLUMBED OVER THE CENTER OF THE DOMESTIC MAINLINE. THE VERTICAL ELEVATION AND GRADE SHALL BE MAINTAINED BY AT LEAST ONE (1) ELEVATION POINT LOCATED AT THE RIGHT OF THE DOMESTIC MAINLINE WITH INADEQUATELY PLACED IN THE FIELD END OF THE PIPE LINE.
- J. WHEN WORK IS NOT IN PROGRESS, PLUG THE OPEN ENDS OF THE PIPE TO PREVENT TRENCH WATER OR OTHER SUBSTANCES FROM ENTERING THE PIPE. THE PLUG SHALL BE WATERPROOF AND SHALL REMAIN IN PLACE UNTIL ANY REQUIRED DRAINAGING HAS BEEN COMPLETED.

- K. CHECK DIPS SHALL BE INSTALLED IN THE BENDING AND BACKFILL OF ALL NEW OR REPLACED SEWER LINES TO LIMIT THE DRAINAGE AREA SUBJECT TO THE TRENCH DRAIN EFFECT OF GRAVEL, BEDROCK, DIPS SHALL BE MADE OF COMPACTED CLAY BEDROCK AND BACKFILL AT LEAST THREE (3) FEET THICK TO THE TOP OF THE BEDROCK AND CUT INTO THE BEDROCK AT LEAST TWO (2) FEET. AT LEAST ONE (1) CHECK DIP SHALL BE PLACED AT EACH 100 FEET INTERVAL. CHECK DIPS SHALL BE PLACED NO MORE THAN 500 FEET APART AND SHALL BE LOCATED UPSTREAM OF EACH MANHOLE. ALL STRAIGHT CROSSINGS SHALL INCLUDE CHECK DIPS ON BOTH SIDES OF THE CROSSING.

MANHOLES

- A. THE SANITARY SEWER SYSTEM SHALL BE LAYED AND JOINED COMPLETE-IN-PLACE IN ORDER THAT EACH LENGTH AND SECTION OF PIPE BETWEEN THE MANHOLES SHALL HAVE A SMOOTH AND UNIFORM INVERT.
- B. THE PREVIOUS JOINT SHALL HAVE BEEN COMPLETED AND THE ENTIRE LENGTH OF PIPE SHALL BE WELL BORED AND FINALLY BACKFILLED BEFORE LAYING ANOTHER LENGTH OF PIPE. BELL ENDS SHALL BE DOG OF SUFFICIENT SIZE TO INSURE PROPER JOINTING.
- C. DO NOT USE EXISTING EXISTENT TO PILE THE PIPE AND THE HOLE POSITION, UNLESS APPROVED BY THE ENGINEER, AND THEN ONLY FOR ONE LENGTH OF PIPE AT A TIME.
- D. JOINTS FOR PIPES OF DIFFERENT MATERIALS SHALL EITHER BE MADE AT MANHOLES OR WITH STANDARD ADAPTER FITTINGS.
- E. JOINT THE PIPE AS RECOMMENDED BY THE MANUFACTURER TO OBTAIN THE DEGREE OF WATERPROOFING REQUIRED. THE USE OF LUBRICANTS, GREASES, OILS AND SIMILAR MATERIALS SHALL BE AS RECOMMENDED BY THE MANUFACTURER.
- F. THE PIPE SHALL BE CONNECTED TO MANHOLES THROUGH PRECAST OPENINGS AND JOINED WITH EITHER A FLEXIBLE BOOT ADAPTER OR A PIPE JOINT COUPLER.

CONNECTION TO EXISTING MAINLINE

- A. MAINTAIN THE EXISTING SERVICE FLOW AT ALL TIMES BY PUMPING, DIVERSION OR OTHER MEANS APPROVED BY THE ENGINEER. CARE SHALL BE TAKEN TO PREVENT DIPS FROM ENTERING THE SYSTEM.
- B. DO NOT ALLOW SERVICE TO BE DIVERTED INTO A NATURAL WATERCOURSE OR BACK UP INTO ANY SERVICE CONNECTIONS. THE CONTRACTOR SHALL PAY FOR ALL DAMAGES WHICH MAY OCCUR AS A RESULT OF FAILURE TO MAINTAIN THE SERVICE FLOW IN THE SYSTEM.
- C. THE NEW PIPE CONNECTION TO BE MADE TO AN EXISTING MAINLINE, WHERE NO SOIL OR BEDROCK COUPLER SHALL BE MADE THROUGH AN OPENING OF SUFFICIENT DIAMETER CUT INTO THE MAINLINE WALL AT THE DESIRED LOCATION AND ELEVATION.
- D. THE EXISTING INVERT COUPLERS AND JOINTS SHALL BE REMOVED AS REQUIRED TO FORM A NEW FLOW CHANNEL FROM THE NEW CONNECTION TO THE EXISTING FLOW CHANNEL.
- E. THE PIPE SHALL BE LAYED INTO THE MAINLINE AND THE OPENING AROUND THE PIPE SHALL BE WITH A RUBBER BOOT SEALED TO THE MAINLINE WITH AN INTERNAL, EXPANDING STRAPLESS STEEL BOLT, AND TO THE PIPE WITH A STAINLESS-STEEL CLAMP. BOOT SHALL BE BY PSX PRESS-SEAL COUPLER COPE OR EQUAL.

SEWER LATERAL CONNECTIONS

- A. MAKE ALL SEWER LATERAL CONNECTIONS TO THE SEWER PIPE AND FROM MANHOLES WHERE SHOWN ON THE PLANS AND FOR WHERE LOCATED IN THE FIELD BY THE ENGINEER. THE SEWER LATERAL CONNECTION SHALL BE MADE BY EITHER A RUBBER BOOT OR A RUBBER BOOT WITH AN INTERNAL, EXPANDING STRAPLESS STEEL BOLT, AND TO THE PIPE WITH A STAINLESS-STEEL CLAMP. BOOT SHALL BE BY PSX PRESS-SEAL COUPLER COPE OR EQUAL.
- B. THE PIPE AND THE BRANCH FITTINGS FOR SEWER LATERAL CONNECTIONS SHALL BE COMMERCIAL UNMANUFACTURED AND INSTALLED IN STRICT ACCORDANCE WITH THE RECOMMENDATIONS OF THE PIPE MANUFACTURER.
- C. THE SEWER PIPE SHALL NOT BE CUT OR TAPPED FOR SEWER LATERAL CONNECTIONS EXCEPT WHEN AND WHERE PERMITTED BY THE ENGINEER.



Revisions	Date

Issue Date: JUNE 2025
 Drawn By: GCS
 Designed By: GCS
 Checked By: RWS
 Date: 06/04/2025

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CREEKSIDE RIDGE SUBDIVISION - PHASE 3
SANITARY SEWER NOTES
 TOWN OF DANDRIDGE, TN

Project Name: C6.7
 Revision: 42/6A
 Date: 06/04/2025

- d. ALL SUPER LAYER COLLECTIONS SHALL BE MADE WITH TOOL (J) WHICH DRAINS PIPE AS A LAMBDA, UNLESS THE SIZE OF AN EXISTING SUPER LAYER COLLECTION AGREES OTHERWISE. PIPE SHALL BE INSTALLED ON A MINIMUM O.D. OF ONE-QUARTER INCH PER ONE FOOT FROM THE SKIN PIPE OR MANHOLE TO THE PROPERTY OR EXISTING DUC.
- e. FUTURE SUPER LAYER COLLECTIONS SHALL BE LIMITED TO THE PROPERTY OR EXISTING DUC AND BE PROPERLY CAPED WITH A WATERPROOF FITTING TO PREVENT RAINFALL AND THE SEWERAGE SYSTEM. THE FITTING SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE RECOMMENDATIONS OF THE PIPE MANUFACTURER. A CEMENT SHALL BE INSTALLED AT THE PROPERTY OR EXISTING DUC.

- F. FUTURE SEWER LATERAL CONNECTIONS SHALL BE FIELD LAPPED BY A REGISTERED SOLID ROCKET 2' MAX. OF 2" DIA. ROCKET. THE LATERAL SHALL BE FIELD LAPPED WITH THE TRUNKED ROCKET. THE LOCATION AND INVERT DEPTH OF THE SEWER LATERAL CONNECTION SHALL BE SHOWN ON THE RECORD PLANS.
- G. EXISTING SEWER LATERALS THAT ARE TO BE CONNECTED TO THE NEW SEWER PIPE AND ARE IN SATISFACTORY CONDITION, AS APPROVED BY THE ENGINEER, SHALL NOT BE REPLIED TO THE PROPERTY LINE OR SHALL BE REPAIRED AND CONNECTED TO THE FIRST COMPLETELY JOINT WHICH WILL INSURE A WATERPROOF CONNECTION OUTSIDE THE TRENCH EXCAVATION FOR THE SEWER MAIN.
- H. WHEN CONDITIONS ARE SUCH THAT SEWER LATERAL CONNECTIONS CANNOT BE ADEQUATELY SUPPORTED ON UNDISTURBED SOIL OR ON THE EXISTING FOUNDATION, THE FITTING SHALL BE DIVIDED IN ONE OR SUPPORTED BY A CONCRETE GRADE AS SHOWN ON THE RECORDS.

A. ALL PIPE SHALL BE TESTED BY THE CONTRACTOR IN THE PRESENCE OF THE ENGINEER BEFORE BEING INCORPORATED INTO THE WORK. WHEN JOINT PIPE SHALL NOT BE COVERED UNLESS AND UNTIL INSPECTED BY THE ENGINEER AND PERMISSION GRANTED. THE NECESSARY FACILITIES FOR PROPER INSPECTION SHALL BE PROVIDED BY THE CONTRACTOR WHEN REQUESTED BY THE ENGINEER.

- [illegible]

AP TEST TABLE BASED ON LOCATION: PRAIRIE C-202 LATEST REVISION STATION/LOCATION: TALL (UNITED) REQUIRED FOR PRESSURE: GROUP FROM 1.3 TO 2.3 PRA WALL THICKNESS AND PERMITS: TALL												
PIPE: SCHEDULE 40S												
DEPTH OF TEST	4	6	8	10	12	15	18					
STUDENT	00-04	00-10	00-17	00-22	00-26	00-31	00-36					
25	00-41	00-46	00-51	00-56	00-61	00-66	00-71					
50	00-76	00-81	00-86	00-91	00-96	01-01	01-06					
75	00-11	00-16	00-21	00-26	00-31	00-36	00-41					
100	00-46	00-51	00-56	00-61	00-66	00-71	00-76					
125	00-81	00-86	00-91	00-96	01-01	01-06	01-11					
150	00-16	00-21	00-26	00-31	00-36	00-41	00-46					
175	00-51	00-56	00-61	00-66	00-71	00-76	00-81					
200	00-86	00-91	00-96	01-01	01-06	01-11	01-16					
225	00-91	00-96	01-01	01-06	01-11	01-16	01-21					
250	00-96	01-01	01-06	01-11	01-16	01-21	01-26					
275	01-01	01-06	01-11	01-16	01-21	01-26	01-31					
300	01-06	01-11	01-16	01-21	01-26	01-31	01-36					
325	01-11	01-16	01-21	01-26	01-31	01-36	01-41					
350	01-16	01-21	01-26	01-31	01-36	01-41	01-46					
400	01-26	01-31	01-36	01-41	01-46	01-51	01-56					
450	01-36	01-41	01-46	01-51	01-56	01-61	01-66					
500	01-46	01-51	01-56	01-61	01-66	01-71	01-76					
	01-76	01-81	01-86	01-91	01-96	02-01	02-06					
	02-06	02-11	02-16	02-21	02-26	02-31	02-36					
	02-36	02-41	02-46	02-51	02-56	02-61	02-66					
	02-66	02-71	02-76	02-81	02-86	02-91	02-96					
	02-96	03-01	03-06	03-11	03-16	03-21	03-26					
	03-26	03-31	03-36	03-41	03-46	03-51	03-56					
	03-56	03-61	03-66	03-71	03-76	03-81	03-86					
	03-86	03-91	03-96	04-01	04-06	04-11	04-16					
	04-16	04-21	04-26	04-31	04-36	04-41	04-46					
	04-46	04-51	04-56	04-61	04-66	04-71	04-76					
	04-76	04-81	04-86	04-91	04-96	05-01	05-06					
	05-06	05-11	05-16	05-21	05-26	05-31	05-36					
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	07-76	07-81	07-86	07-91	07-96	08-01	08-06					
	08-06	08-11	08-16	08-21	08-26	08-31	08-36					
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	08-66	08-71	08-76	08-81	08-86	08-91	08-96					
	08-96	09-01	09-06	09-11	09-16	09-21	09-26					

SHOULD THE 1.0 PS WATER OCCUR IN LESS TIME THAN THAT SPECIFIED IN THE TABLE THE SENSOR STAGNANT SHALL HAVE THE FOLLOWING TIME REQUIRED FOR THE PRESSURE TO DROP 1.0 PS IS GREATER THAN THAT SHOWN IN THE TABLE, THE SENSOR STAGNANT SHALL HAVE PASSED. FOR A MORE DETAILED DESCRIPTION OF THE AIR TEST METHOD REFER TO ASTM DESIGNATION C-822, CURRENTED REVISOR. AN AIR PRESSURE CONNECTION SHALL BE REQUIRED WHEN THE PREVIEWING GROUND WATER IS ABOVE THE SENSOR LINE DUNE TESTED AND SHALL BE CALCULATED AS FOLLOWS:

(GROUND WATER DEPTH (FT) + 2.31) + 3.5 = STAGNANT TEST PRESSURE

DYNAMIC TEST PRESSURE = STARTING PRESSURE - 1.0 PSI

E. WHOLE TESTS

1. HANDHOLES SHALL BE TESTED BY VACUUM TEST, AFTER ASSEMBLY, BUT PRIOR TO MACHINING. TEST SHALL BE CONDUCTED BY THE MANUFACTURER. THE TEST SHALL BE CONDUCTED BY THE MANUFACTURER. THE TEST SHALL BE CONDUCTED BY THE MANUFACTURER. THE TEST SHALL BE CONDUCTED BY THE MANUFACTURER.
2. STAINLESS STEEL HANDHOLES SHALL BE TESTED BY VACUUM TEST, AFTER ASSEMBLY, BUT PRIOR TO MACHINING. TEST SHALL BE CONDUCTED BY THE MANUFACTURER. THE TEST SHALL BE CONDUCTED BY THE MANUFACTURER. THE TEST SHALL BE CONDUCTED BY THE MANUFACTURER.
3. INSTALLATION AND OPERATION OF VACUUM EQUIPMENT AND MEASURING DEVICES SHALL BE IN ACCORDANCE WITH THE EQUIPMENT SPECIFICATIONS FOR WHICH PERFORMANCE INFORMATION HAS BEEN PROVIDED BY THE MANUFACTURER AND APPROVED BY THE THUNDERBOLT STATE DEPARTMENT OF HEALTH.
4. A VACUUM EQUIPMENT SHALL BE TESTED BY VACUUM TEST, AFTER ASSEMBLY, BUT PRIOR TO MACHINING. TEST SHALL BE CONDUCTED BY THE MANUFACTURER. THE TEST SHALL BE CONDUCTED BY THE MANUFACTURER. THE TEST SHALL BE CONDUCTED BY THE MANUFACTURER.
5. ACCEPTANCE STANDARDS FOR VACUUM EQUIPMENT SHALL BE ESTABLISHED FROM THE DATA FOR A NEGATIVE PRESSURE CHAMBER FROM 10 INCHES TO 100 INCHES OF VACUUM. THE VACUUM EQUIPMENT SHALL BE TESTED BY VACUUM TEST, AFTER ASSEMBLY, BUT PRIOR TO MACHINING. TEST SHALL BE CONDUCTED BY THE MANUFACTURER. THE TEST SHALL BE CONDUCTED BY THE MANUFACTURER. THE TEST SHALL BE CONDUCTED BY THE MANUFACTURER.

WINDHOLE DEPTH	MINIMUM ELAPSED TIME FOR A PRESSURE CHANGE OF 1 INCH H ₂ O
10 FT OR LESS	80 SECONDS
310 FT BUT <15 FT	75 SECONDS
315 FT BUT <25 FT	90 SECONDS

FOR MANHOLES FIVE FEET IN DIAMETER, ADD AN ADDITIONAL 15 SECONDS AND FOR MANHOLES SIX FEET IN DIAMETER, ADD AN ADDITIONAL 30 SECONDS TO THE TIME REQUIREMENTS FOR FOUR-FOOT DIAMETER MANHOLES.

6. IF THE MANHOLE FAILS THE TEST, NECESSARY REPAIRS SHALL BE MADE AND THE VACUUM TEST REPEATED ONE TIME.
7. IF A MANHOLE FAILS THE SECOND TEST OR IF THE JOINT MASTIC IS COMPLETELY PULLED OUT DURING THE VACUUM TEST, THE MANHOLE SHALL BE DISASSEMBLED AND THE MASTIC REPLACED.

TESTING OF FLEXIBLE PIPES

- [illegible]

TABLE 9. ARII MANAGER D. PRODUCTION			
NOM. DIA.	L	ASTU S0R03	ASTU DZ21 (S0R03 S0) 5.14' (S0R 23.5)
8"	8"	3.04"	
10"	10"	4.64"	
12"	12"	6.24"	
15"	15"	12.86"	
18"	18"	15.94"	
21"	21"	18.96"	
24"	18"	21.32"	
27"	18"	23.61"	

MATERIAL AND PROWING PINK MAY BE OBTAINED FROM MORTCO, INC., 220 HIGH STREET, FRANKLIN, OHIO 45001-513-746-8439). NUROCO ENTERPRISES (1-800-845-1300), CHEVIE INDUSTRIES (1-800-845-7564) OR EQUIV.

WATER SYSTEM INSTALLATION

MATERIALS - GENERAL

- All materials and equipment required for the work shall be new, of first-class quality and shall be furnished, delivered, erected, connected and installed in every detail as specified or indicated. All materials found defective, regardless of the circumstances, shall be replaced with new materials.
- All materials and equipment shall be per the locally's standard manufacturer and model.
- Comply with all codes, laws, ordinances and regulations of governmental authorities having jurisdiction over the work.

PIPE SPECIFICATIONS

- Water pipe shall be ductile cast iron, or AWWA polypropylene (AWWA PP2). PVC pipe shall have an outside diameter (OD) of 12 inches and shall be installed in bedding.
- Water service pipe shall be polypropylene tubing or copper tubing.

JOINTS OR FITS

- For ductile cast iron pipe, the joints shall conform to AWWA C151 and fittings shall conform to AWWA C152. For polypropylene pipe, the joints shall conform to AWWA C200 and fittings shall conform to AWWA C201. The pipe shall be installed in bedding.
- For polypropylene (PP2) pipe, the joints shall conform to AWWA C200 and fittings shall conform to AWWA C201. The pipe shall be installed in bedding.
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WATER SYSTEM ACCESSORIES

- Gate valves and hand valves shall be installed in accordance with the manufacturer's instructions. Gate valves shall be installed in bedding.
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WATER SERVICE CONNECTIONS

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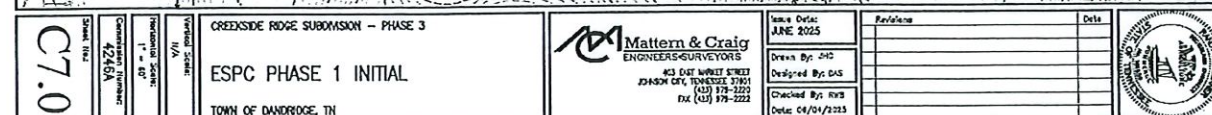
Revisions	Date

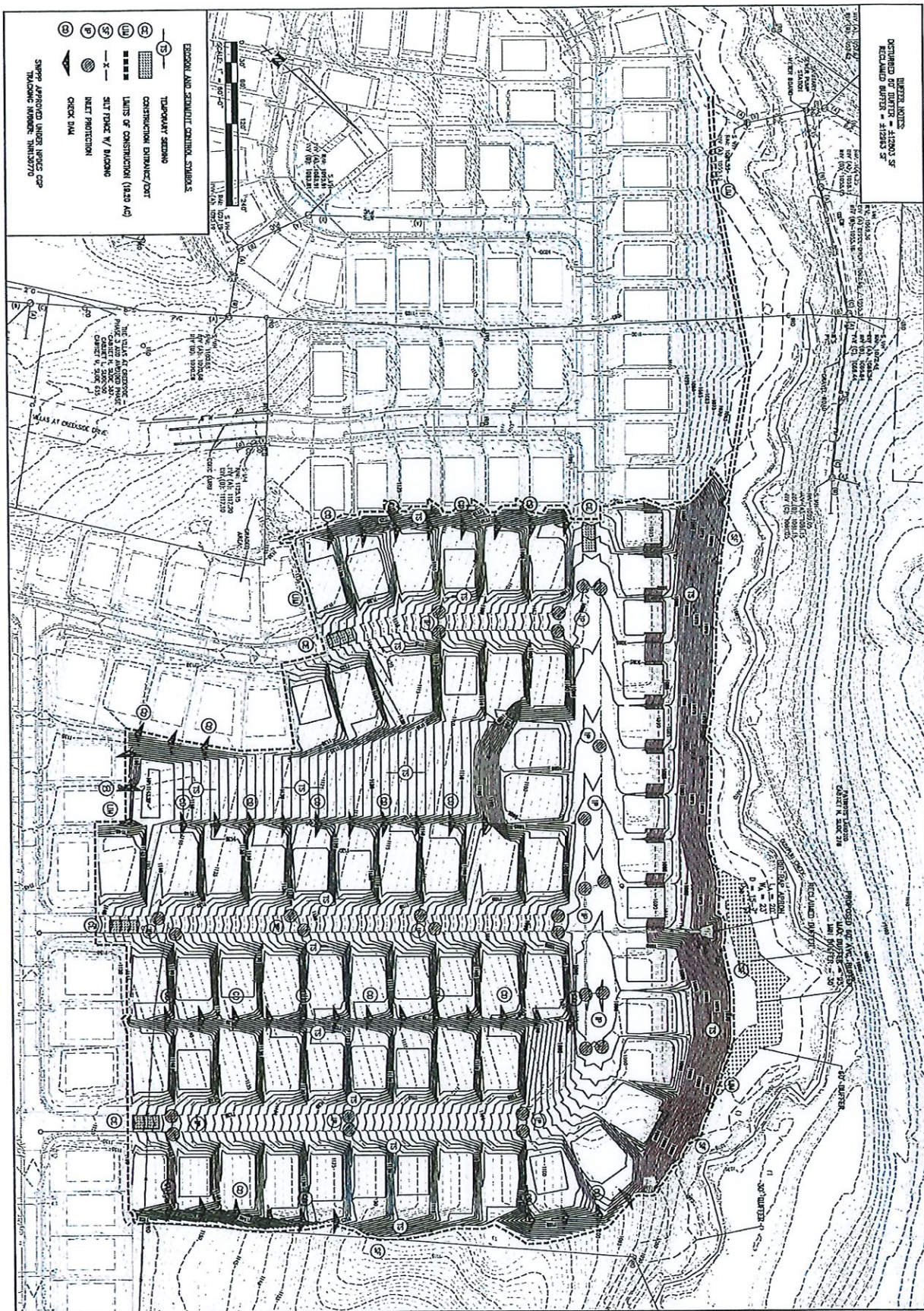
Drawn By: DAS
Designed By: DAS
Checked By: RJB
Date: 06/04/2015

Matthew & Craig
ENGINEERS/SURVEYORS
403 EAST WILSON STREET
SUITE 100
DANVILLE, VA 24004
TEL: 434-751-1111
FAX: 434-751-1112

CREEDSIDE ROGE SUBDIVISION - PHASE 3
WATER NOTES
TOWN OF DANORGE, TN

DATE: 06/04/2015
DRAWN: N/A
CHECKED: N/A
DESIGNED: N/A
PROJECT: 4246A
SHEET NO.: C6.9





C7.1 TOWN OF DANDRIDGE, TN PROJECT NUMBER: 4246A	CREEKSIDE RIDGE SUBDIVISION - PHASE 3 EPSC PHASE II CONSTRUCTION TOWN OF DANDRIDGE, TN	Mattern & Craig ENGINEERS-SURVEYORS 431 EAST MARKET STREET JOHNSON CITY, TENNESSEE 37601 (423) 919-2322 FAX (423) 919-2322	Issue Date: JUNE 2025 Drawn By: JHC Designed By: CAS Checked By: RVS Date: 06/04/2025	Revisions <table border="1"> <tr> <th>No.</th> <th>Description</th> <th>Date</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	No.	Description	Date													
	No.	Description	Date																	



C7.2



[illegible]

DANDRIDGE PLANNING COMMISSION

REQUEST FORM

Presenter: T.m messer Date: 6-23-2025Property Owner(s): T.m + Hazel messer + T. Amy messerProperty Address: Valley Home Rd / Fanny Way

(House#, Street Name, Subdivision Name if applicable)

Map and Parcel Number(s): 0685A 0240 068E-A 027.00

Phone Number(s) _____ or _____

(Please list number where you can be reached during the day)

Attention: All requesters to the Town of Dandridge Planning Commission and/or Board of Zoning Appeals are required to present their materials in accordance to the written regulations within the City's Zoning Ordinance and Subdivision Regulations. Failure to follow these regulations prior to submission will result in having your request removed from the City's Planning Commission and/or Board of Zoning Appeals monthly meeting until such requirements are met.

Special Note: According to the Tennessee Coded Annotated (T.C.A) all subdivision plats (in areas without city sewer/water services) presented to the Town of Dandridge's Planning Commission are required by law to have the signature of the Jefferson County Health Department representative prior to **FINAL PLAT** submission.

_____	Site Plan Review	\$50.00
_____	Rezoning Request _____ to _____	\$50.00
☒ _____	Subdivision Plats (Preliminary/Final)	
	• 2 lots or less	\$20.00
	• 3-5 lots	\$30.00
	• <u>6-15 lots</u>	\$60.00
	• 16-30 lots	\$70.00
	• 31-50 lots	\$80.00
	• 50+ lots	\$100.00
_____	Annexation	\$25.00
_____	Board of Zoning Appeals (Explanation)	\$50.00
_____	Point(s) of Clarification	No Fee

Total amount of fees paid: _____ Receipt Number: _____

PAVEMENT SCHEDULE

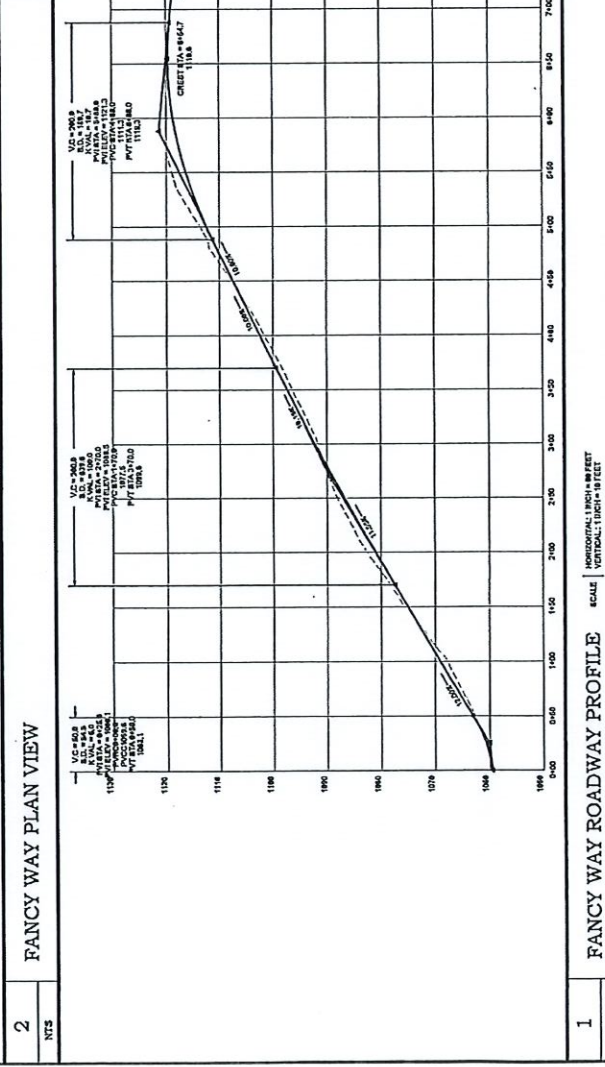
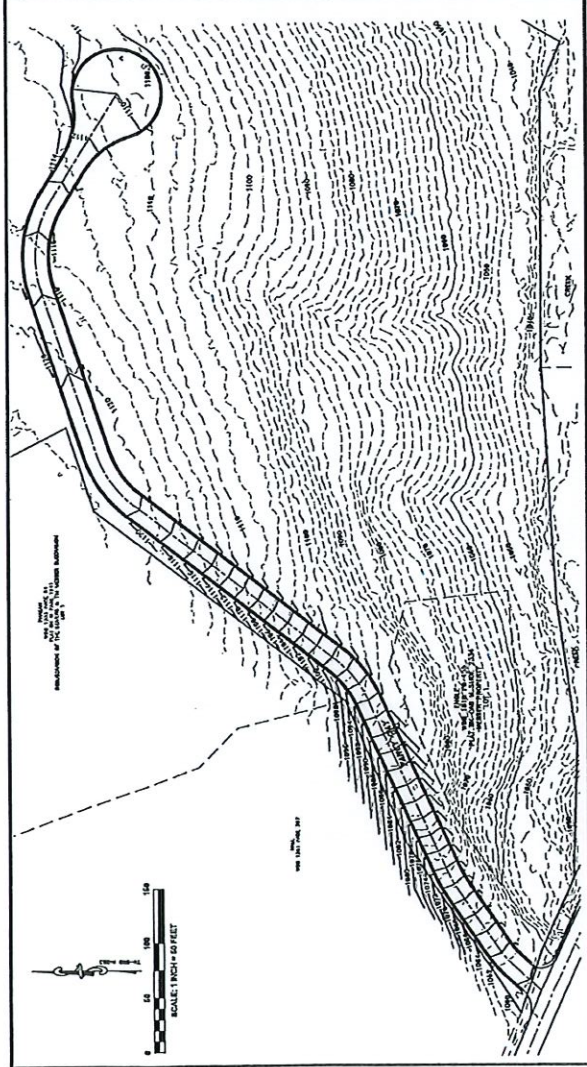
1	HEAVY DUTY ASPHALT
2	14" VIBRATED SURFACE
3	2" BRIDGE PAVEMENT
4	8" LINEAL ADJACENT BASE
5	12" LINEAL ADJACENT BASE
6	12" LINEAL ADJACENT BASE
7	12" LINEAL ADJACENT BASE
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99	12" LINEAL ADJACENT BASE
100	12" LINEAL ADJACENT BASE

PAVEMENT SCHEDULE

5 NTS

ROADWAY SECTION

4 NTS



1 FANCY WAY ROADWAY PROFILE SCALE: HORIZONTAL: 1"=40 FEET VERTICAL: 1"=10 FEET

1 AS NOTED



CERTIFICATION OF SUPERSEDED AND DEREGULATION

2

CENTRIFUGATION BY APPARATUS OF WATER SYSTEMS

Only third paragraph

IDENTIFICATION OF RELEVANT SYSTEM

It is to verify that the message of interest system

104

only total population

CERTIFICATION OF APPROVAL FOR RECORDING

10/10/10

[illegible]

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2	1
3	1
4	1
5	1
6	1
7	1
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9	1
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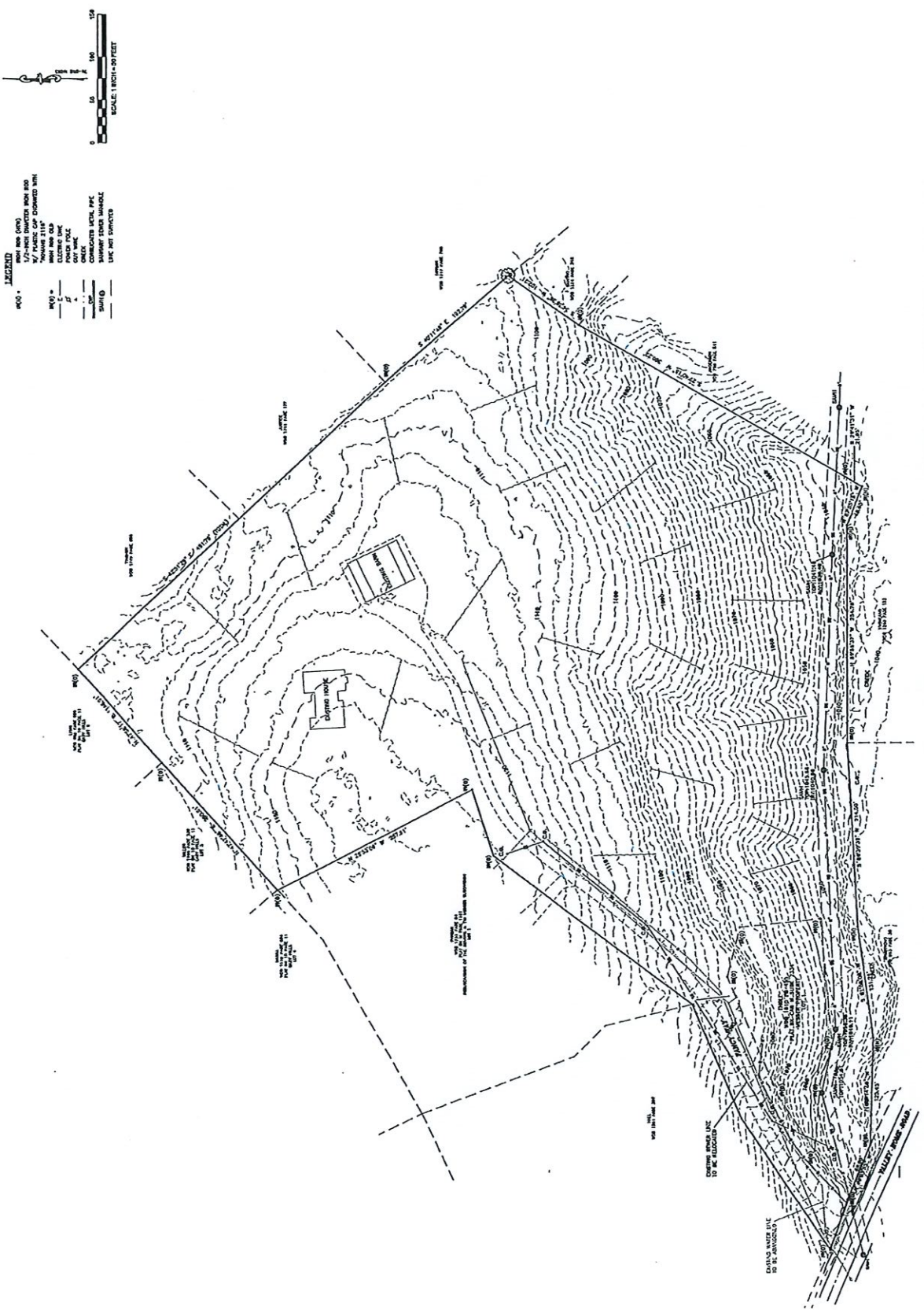
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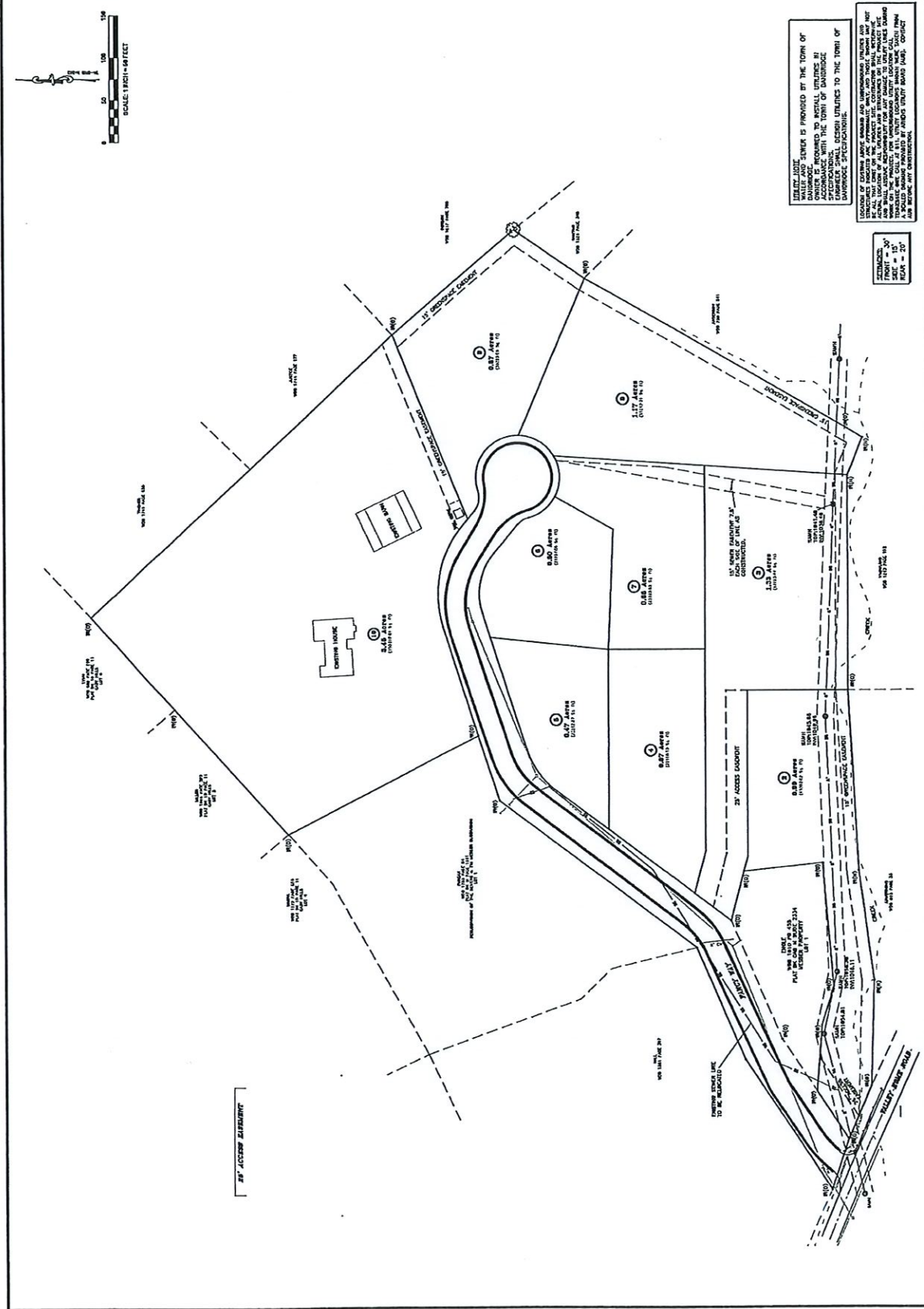
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 8. REPORT STATUS: 100
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ROMANS
Engineering
1923 Hogarth Road
Nashville, TN 37203
Phone (615) 679-5736
Fax (615) 679-5736
romanseng@aol.com

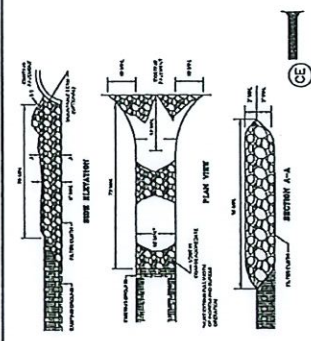
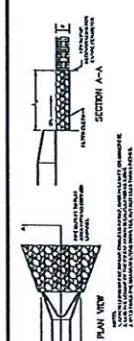
10





Resolving and preventing disputes is an essential part of a company's risk management strategy. Disputes can be resolved by mediation, arbitration, litigation and other dispute resolution methods. Mediation is a voluntary process in which a neutral third party helps the parties to reach a mutually agreeable resolution. Arbitration is a process in which a neutral third party makes a binding decision for the parties. Litigation is a process in which a court of law makes a binding decision for the parties. Other dispute resolution methods include negotiation, conciliation, and fact-finding. Each method has its own advantages and disadvantages, and the choice of method depends on the nature of the dispute and the parties involved.

OUTLET PROTECTION



CONSTRUCTION ENTRANCE

Permanent Cover Seeding Mixtures

[illegible]

Table 1

[illegible]

adverse 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000, 1001, 1002, 1003, 1004, 1005, 1006, 1007, 1008, 1009, 1010, 1011, 1012, 1013, 1014, 1015, 1016, 1017, 1018, 1019, 1020, 1021, 1022, 1023, 1024, 1025, 1026, 1027, 1028, 1029, 1030, 1031, 1032, 1033, 1034, 1035, 1036,

Handing: A mass of grassy green tubers with 1 to 2 cm and is seen in the year. See Table 1 for suggestions of appropriate feeding species. Bread should be applied only by hand, machine tender, at 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64, 66, 68, 70, 72, 74, 76, 78, 80, 82, 84, 86, 88, 90, 92, 94, 96, 98, 100, 102, 104, 106, 108, 110, 112, 114, 116, 118, 120, 122, 124, 126, 128, 130, 132, 134, 136, 138, 140, 142, 144, 146, 148, 150, 152, 154, 156, 158, 160, 162, 164, 166, 168, 170, 172, 174, 176, 178, 180, 182, 184, 186, 188, 190, 192, 194, 196, 198, 200, 202, 204, 206, 208, 210, 212, 214, 216, 218, 220, 222, 224, 226, 228, 230, 232, 234, 236, 238, 240, 242, 244, 246, 248, 250, 252, 254, 256, 258, 260, 262, 264, 266, 268, 270, 272, 274, 276, 278, 280, 282, 284, 286, 288, 290, 292, 294, 296, 298, 300, 302, 304, 306, 308, 310, 312, 314, 316, 318, 320, 322, 324, 326, 328, 330, 332, 334, 336, 338, 340, 342, 344, 346, 348, 350, 352, 354, 356, 358, 360, 362, 364, 366, 368, 370, 372, 374, 376, 378, 380, 382, 384, 386, 388, 390, 392, 394, 396, 398, 400, 402, 404, 406, 408, 410, 412, 414, 416, 418, 420, 422, 424, 426, 428, 430, 432, 434, 436, 438, 440, 442, 444, 446, 448, 450, 452, 454, 456, 458, 460, 462, 464, 466, 468, 470, 472, 474, 476, 478, 480, 482, 484, 486, 488, 490, 492, 494, 496, 498, 500, 502, 504, 506, 508, 510, 512, 514, 516, 518, 520, 522, 524, 526, 528, 530, 532, 534, 536, 538, 540, 542, 544, 546, 548, 550, 552, 554, 556, 558, 560, 562, 564, 566, 568, 570, 572, 574, 576, 578, 580, 582, 584, 586, 588, 590, 592, 594, 596, 598, 600, 602, 604, 606, 608, 610, 612, 614, 616, 618, 620, 622, 624, 626, 628, 630, 632, 634, 636, 638, 640, 642, 644, 646, 648, 650, 652, 654, 656, 658, 660, 662, 664, 666, 668, 670, 672, 674, 676, 678, 680, 682, 684, 686, 688, 690, 692, 694, 696, 698, 700, 702, 704, 706, 708, 710, 712, 714, 716, 718, 720, 722, 724, 726, 728, 730, 732, 734, 736, 738, 740, 742, 744, 746, 748, 750, 752, 754, 756, 758, 760, 762, 764, 766, 768, 770, 772, 774, 776, 778, 780, 782, 784, 786, 788, 790, 792, 794, 796, 798, 800, 802, 804, 806, 808, 810, 812, 814, 816, 818, 820, 822, 824, 826, 828, 830, 832, 834, 836, 838, 840, 842, 844, 846, 848, 850, 852, 854, 856, 858, 860, 862, 864, 866, 868, 870, 872, 874, 876, 878, 880, 882, 884, 886, 888, 890, 892, 894, 896, 898, 900, 902, 904, 906, 908, 910, 912, 914, 916, 918, 920, 922, 924, 926, 928, 930, 932, 934, 936, 938, 940, 942, 944, 946, 948, 950, 952, 954, 956, 958, 960, 962, 964, 966, 968, 970, 972, 974, 976, 978, 980, 982, 984, 986, 988, 990, 992, 994, 996, 998, 1000, 1002, 1004, 1006, 1008, 1010, 1012, 1014, 1016, 1018, 1020, 1022, 1024, 1026, 1028, 1030, 1032, 1034, 1036, 1038, 1040, 1042, 1044, 1046, 1048, 1050, 1052, 1054, 1056, 1058, 1060, 1062, 1064, 1066, 1068, 1070, 1072, 1074, 1076, 1078, 1080, 1082, 1084, 1086, 1088, 1090, 1092, 1094, 1096, 1098, 1100, 1102, 1104, 1106, 1108, 1110, 1112, 1114, 1116, 1118, 1120, 1122, 1124, 1126, 1128, 1130, 1132, 1134, 1136, 1138, 1140, 1142, 1144, 1146, 1148, 1150, 1152, 1154, 1156, 1158, 1160, 1162, 1164, 1166, 1168, 1170, 1172, 1174, 1176, 1178, 1180, 1182, 1184, 1186, 1188, 1190, 1192, 1194, 1196, 1198, 1200, 1202, 1204, 1206, 1208, 1210, 1212, 1214, 1216, 1218, 1220, 1222, 1224, 1226, 1228, 1230, 1232, 1234, 1236, 1238, 1240, 1242, 1244, 1246, 1248, 1250, 1252, 1254, 1256, 1258, 1260, 1262, 1264, 1266, 1268, 1270, 1272, 1274, 1276, 1278, 1280, 1282, 1284, 1286, 1288, 1290, 1292, 1294, 1296, 1298, 1300, 1302, 1304, 1306, 1308, 1310, 1312, 1314, 1316, 1318, 1320, 1322, 1324, 1326, 1328, 1330, 1332, 1334, 1336, 1338, 1340, 1342, 1344, 1346, 1348, 1350, 1352, 1354, 1356, 1358, 1360, 1362, 1364, 1366, 1368, 1370, 1372, 1374, 1376, 1378, 1380, 1382, 1384, 1386, 1388, 1390, 1392, 1394, 1396, 1398, 1400, 1402, 1404, 1406, 1408, 1410, 1412, 1414, 1416, 1418, 1420, 1422, 1424, 1426, 1428, 1430, 1432, 1434, 1436, 1438, 1440, 1442, 1444, 1446, 1448, 1450, 1452, 1454, 1456, 1458, 1460, 1462, 1464, 1466, 1468, 1470, 1472, 1474, 1476, 1478, 1480, 1482, 1484, 1486, 1488, 1490, 1492, 1494, 1496, 1498, 1500, 1502, 1504, 1506, 1508, 1510, 1512, 1514, 1516, 1518, 1520, 1522, 1524, 1526, 1528, 1530, 1532, 1534, 1536, 1

Seeding Dates	Onset Date	Percentages
January 1 to May 1	Before May 1963-1968	33%
May 1 to July 15	Summer days	24%
July 1 to July 15	Before 1968	100%
July 1 to July 15	After 1968	27%
July 15 to January 1	Before May	23%

Source: DOE Standard Specifications.

TEMPORARY SEEDING (TS)

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[illegible]

shall be pure cultures prepared specifically for the seed species and used within the dates on the contract.

A mixing medium recommended by the manufacturer shall be used to bind the inoculants to the seed. For conventional seed, this will be the amount of inoculant recommended by the manufacturer. For hydroseed technology, not less than the amount of inoculant recommended by the manufacturer shall be used.

All inoculated seed shall be protected from the sun and high temperatures, and shall be planted the same day inoculated. The inoculated seed shall remain in the hydroseeder longer than one hour.

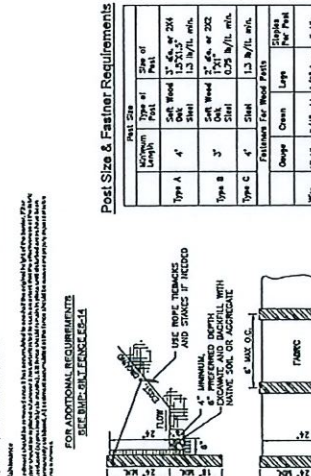
Cubic Yards of Topsoil Required to Attain Various Soil Depths

Depth (meters)	Per 1,000 Square Feet	Per Acre
1	2.1	134
2	4.2	260
3	6.3	403
4	17.4	537
5	10.5	672
6	18.5	805

Table 2

It is now assumed that the *in vivo* effect of the α -glucosidase inhibitor, acarbose, is to delay the rate of glucose absorption from the small intestine, thereby reducing the peak plasma glucose concentration and the postprandial hyperglycemic response. This is in contrast to the *in vitro* effect of acarbose, which is to inhibit the rate of glucose release from the starch granules. The *in vivo* effect of acarbose is to delay the rate of glucose absorption from the small intestine, thereby reducing the peak plasma glucose concentration and the postprandial hyperglycemic response. This is in contrast to the *in vitro* effect of acarbose, which is to inhibit the rate of glucose release from the starch granules.

are paid three



3 APPLYING MULCH

Intuition From Numbers

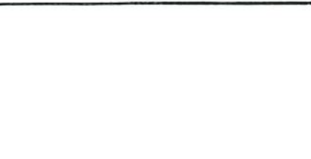
reg and is expected to provide a more uniform regulatory environment and leveling of the playing field. Vermont has been a leader in this area and has established a number of innovative regulatory practices that have been adopted by other states. The following table lists some of the regulatory practices that have been adopted by other states and are being adopted by Vermont. The table is organized by regulatory area and lists the state(s) that have adopted the practice, the year of adoption, and a brief description of the practice.

STYLING: JENNIFER WILSON

Quality: The term "pure seed" is used to express the quality of seed and is not shown on the label. Seed purity is expressed as a percentage of the seeds that are pure and well germinable. Purity on a percent germination and purity can be found on seed tags. PLS is determined by multiplying percent of pure seed with the percent of germination (%).

2
PERMANENT SEEDING (C)

NTS



TRENCH

SHUTT FENCE TYPE B

BACK OF SLOPE (UPSTREAM)

POST

PUMP

JOINING SILT FENCE SECTIONS

DOWNSTREAM

SILT FENCE

SILT FENCE

SILT FENCE

SILT FENCE

[illegible]

(1) Minimum not average of five specimens.

ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED
DATE 08-11-2010 BY 60322 UCBAW

TEMPORARY SILT FENCE (SF)

[illegible]