

ASHEVILLE SELF-STORAGE CONSTRUCTION DRAWINGS

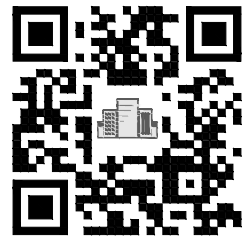
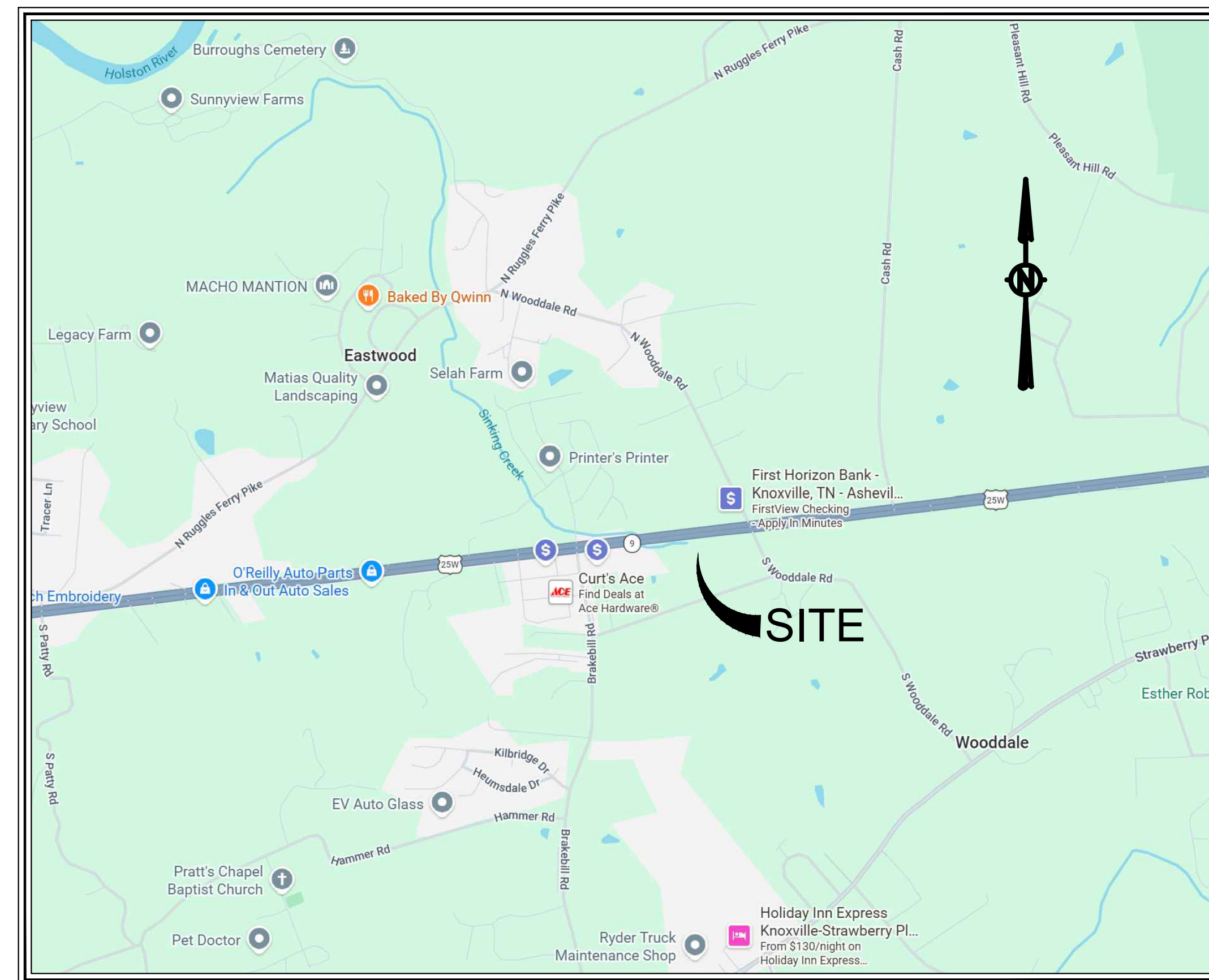
LOCATED AT
0 ASHEVILLE HWY KNOXVILLE, TN 37924

FOR
ZACH PEARSON

FEMA FLOOD INFORMATION
Subject site is designated as Zone X (0.2% Annual Flood Chance Hazard) determined by FEMA Firm Flood Insurance Rate Map: Map # 47093CO169F
Revised 5/2/2007

Williams Engineering

818 18th Ave S, FL 10
Nashville, TN 37203
(865) 679 - 5992
mwilliams@civ-design.com
williamsengineeringgroup.com

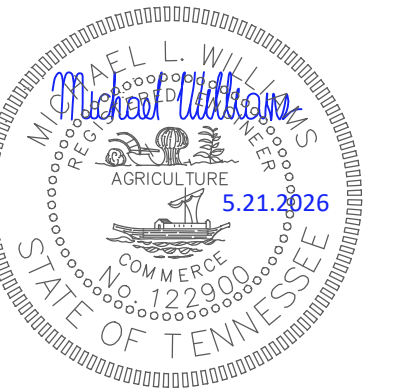
KNOX COUNTY, TENNESSEE

KNOX CO PLANNING CASE # 6-A-2-UR

Sheet List Table	
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C0.0	COVER
C1.0	EXISTING CONDITIONS PLAN
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C5.0	WATER QUALITY & WATER QUANTITY MAPS
C6.0	ARCHITECTURAL ELEVATIONS

Development Summary	
Property Information	OWNER
0 Asheville Hwy Knoxville, TN 37924 Parcel ID # 062 049 Total Area = 3.76 ac	B & B Buisness Investments, LLC Zach Pearson 708 Dougs Ln Seymour, TN 37865

Williams Engineering
Plan - Design - Build
Nashville: 865.679.5992 | mwilliams@civ-design.com



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FOR
ZACH PEARSON
0 ASHEVILLE HWY KNOXVILLE, TN 37924

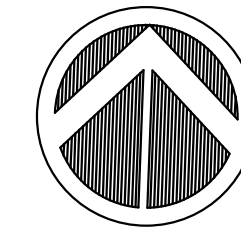
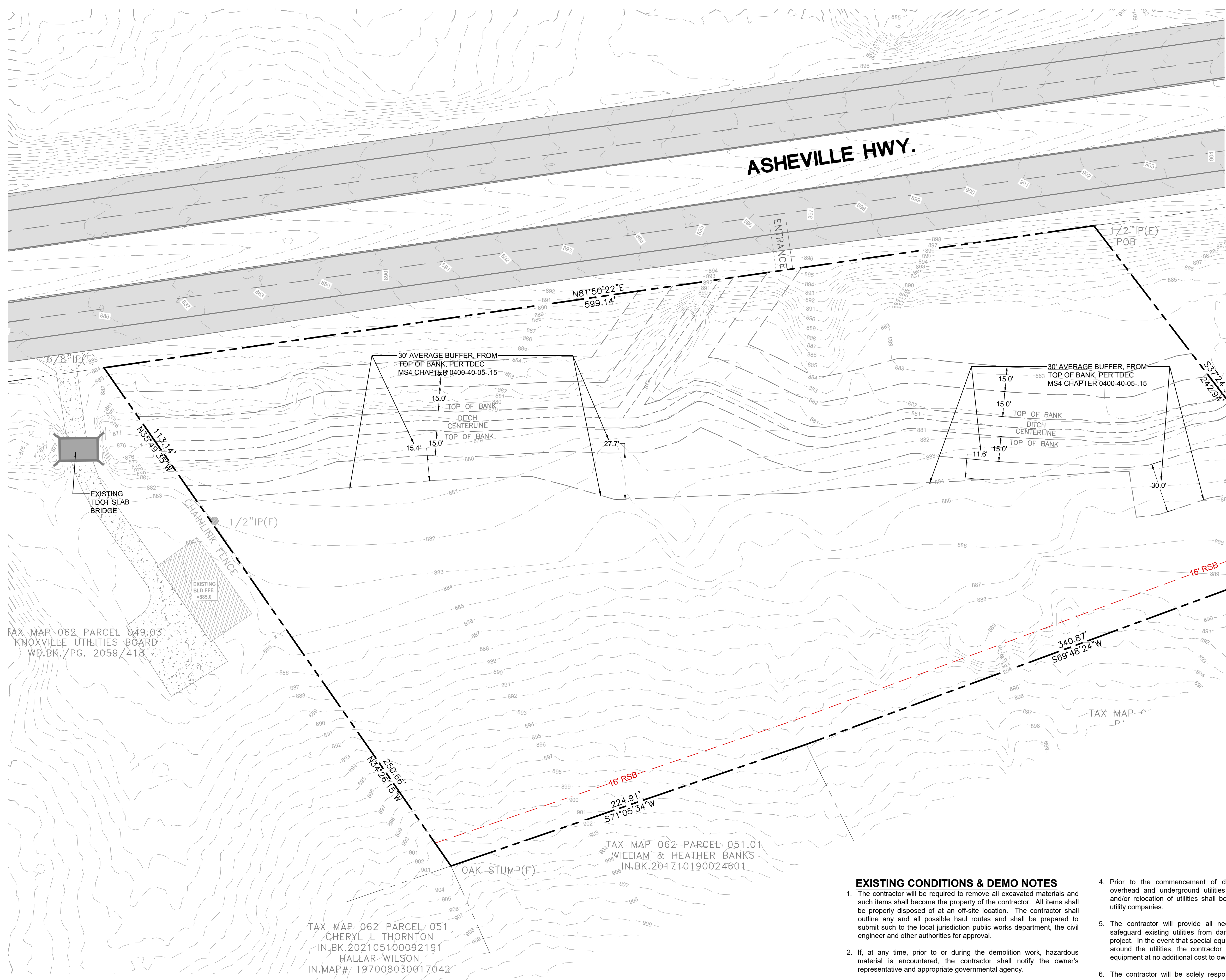
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DESIGNED BY: MLW
DATE: 5/21/2026
SCALE: N/A
JOB #: 20250806-2

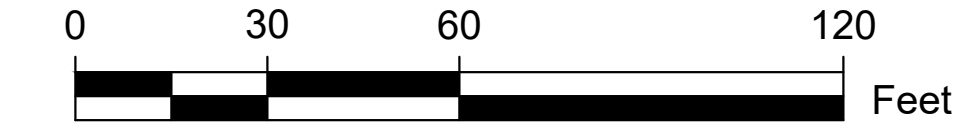
COVER

C0.0





TENNESSEE STATE PLANE
COORDINATE SYSTEM - NAD 1983
VERTICAL DATUM - NAVD 1988



GRAPHIC SCALE: 1" = 30'

TAX MAP 062 PARCEL 049.01
DONALD & TESSA CLIFT
IN.BK.201407180003849

TAX MAP 062 PARCEL 049.03
KNOXVILLE UTILITIES BOARD
WD.BK./PG. 2059/418

TAX MAP 062 PARCEL 051
CHERYL L THORNTON
IN.BK.202105100092191
HALLAR WILSON
IN.MAP# 197008030017042

TAX MAP 062-PARCEL 051.01
WILLIAM & HEATHER BANKS
IN.BK.201710190024601

LEGEND	
---	PROPERTY LINE
-X-X-	EXISTING FENCE
-OHE-	EXISTING OVERHEAD POWER LINE
-SA-SA-	EXISTING SANITARY SEWER
-ST-ST-	EXISTING STORM SEWER
-W-W-	EXISTING WATER LINE

EXISTING CONDITIONS & DEMO NOTES

- The contractor will be required to remove all excavated materials and such items shall become the property of the contractor. All items shall be properly disposed of at an off-site location. The contractor shall outline any and all possible haul routes and shall be prepared to submit such to the local jurisdiction public works department, the civil engineer and other authorities for approval.
- If, at any time, prior to or during the demolition work, hazardous material is encountered, the contractor shall notify the owner's representative and appropriate governmental agency.
- The contractor shall notify adjacent owners of work that may affect their property, potential noise, utility outage or disruption. Such operations shall be conducted by the contractor with minimum interference to adjacent owners. Adjacent egress and access shall be properly maintained at all times. Do not close or obstruct any roadways, parking or sidewalks without permission from the adjacent owners or the local jurisdiction public works department.
- Prior to the commencement of demolition/grading operations, all overhead and underground utilities shall be located. All removal and/or relocation of utilities shall be coordinated with the respective utility companies.
- The contractor will provide all necessary protective measures to safeguard existing utilities from damage during construction of this project. In the event that special equipment is required to work over or around the utilities, the contractor will be required to furnish such equipment at no additional cost to owner.
- The contractor will be solely responsible for contacting all affected utilities prior to submitting his bid to determine the extent to which utility disconnections and/or adjustments will have upon the schedule of the work for the project. Some utility facilities may need to be adjusted concurrently with the contractor's operations, while some work may be required 'around' utility facilities that will remain in place. It is understood and agreed that the contractor will receive no additional compensation for delays or inconvenience caused by the utility adjustment.

Federal Compliance Note
All development within the boundaries of this plan meets the requirements of the Americans with Disabilities Act and the fair housing act.
ADA: <https://www.ada.gov/>
U.S. Justice Dept.: <https://www.justice.gov/crt/fair-housing-act-2>



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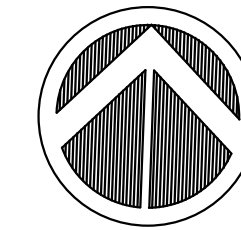
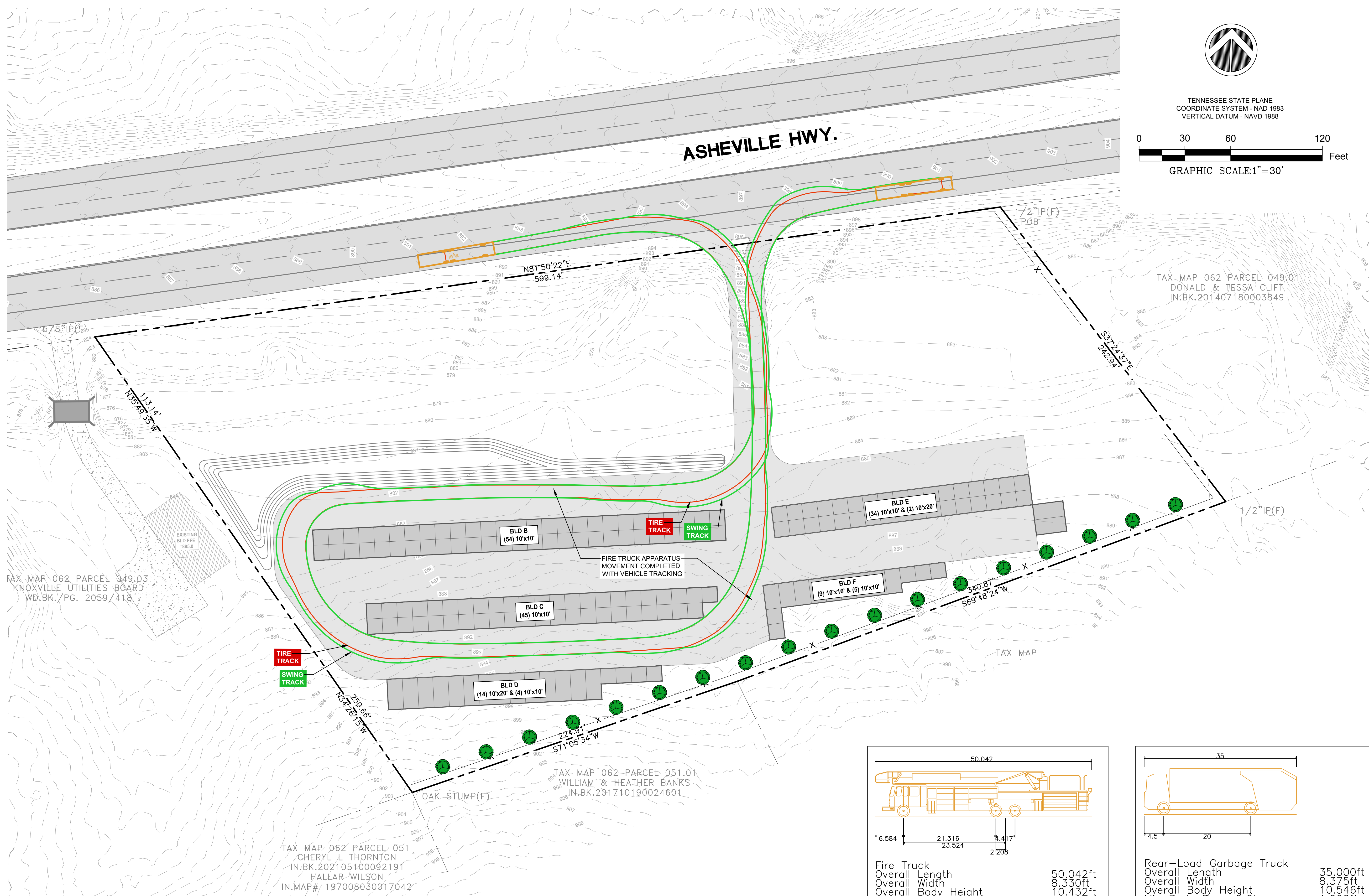
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DATE: 5/21/2026
SCALE: 1"=30'
JOB #: 20250806-2

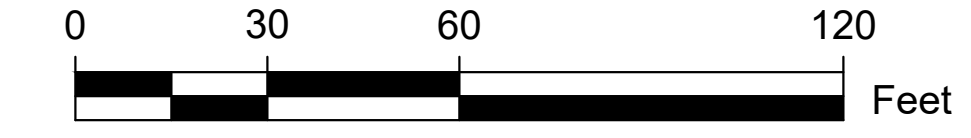
EXISTING CONDITIONS PLAN

C1.0

CLIENT: ZACH PEARSON, 1000 ASHEVILLE HWY, ASHEVILLE, TN 37615, PLAN SHEET C1.0
 PLOTTED BY MICHAEL WILLIAMS, DATE: 5/21/2026 10:28 AM, LAST UPDATED BY MICHAEL WILLIAMS ON: 5/21/2026 10:28 AM



TENNESSEE STATE PLANE
COORDINATE SYSTEM - NAD 1983
VERTICAL DATUM - NAVD 1988



GRAPHIC SCALE: 1" = 30'



ASHEVILLE SELF-STORAGE

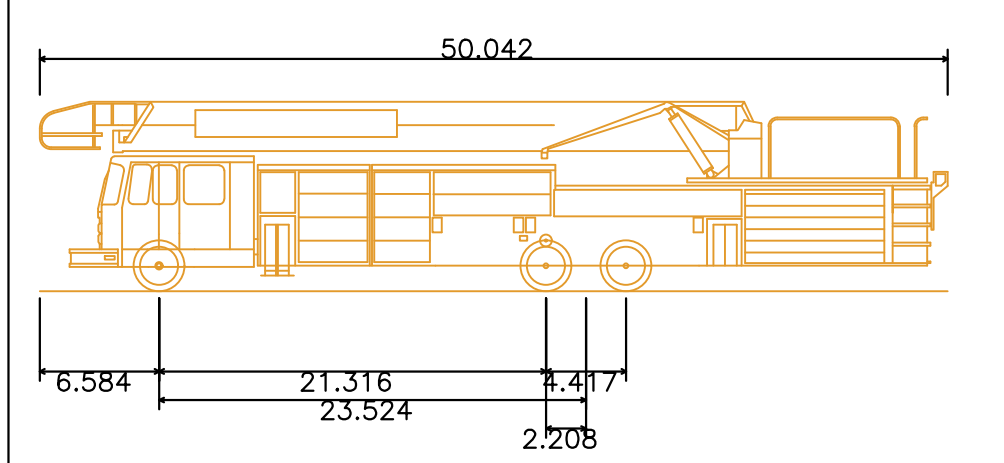
FOR
ZACH PEARSON
0 ASHEVILLE HWY KNOXVILLE, TN 37924

REVISIONS	DATE

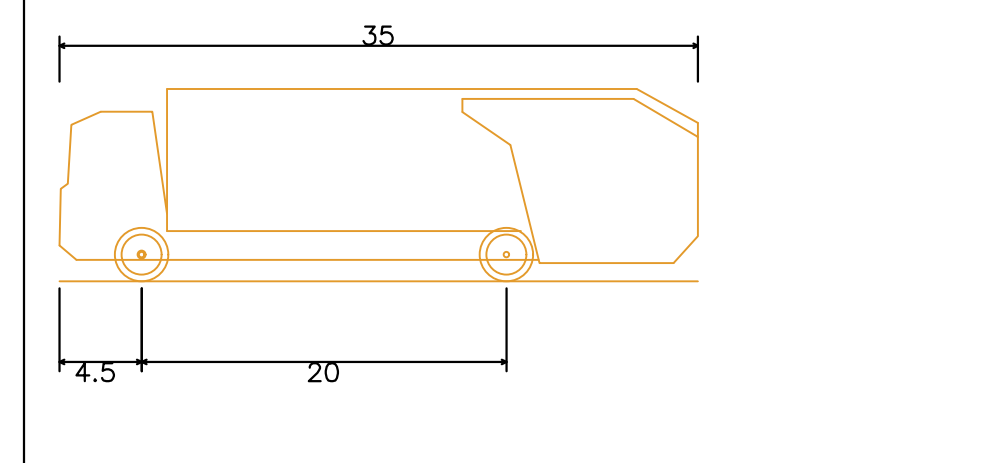
DESIGNED BY: MLW
DATE: 5/21/2026
SCALE: 1"=30'
JOB #: 20250806-2

FIRE & RESCUE PLAN

C2.1



Fire Truck
Overall Length 50.042ft
Overall Width 8.330ft
Overall Body Height 10.432ft
Min Body Ground Clearance 0.862ft
Track Width 8.000ft
Lock-to-lock time 6.00s
Wall to Wall Turning Radius 42.000ft

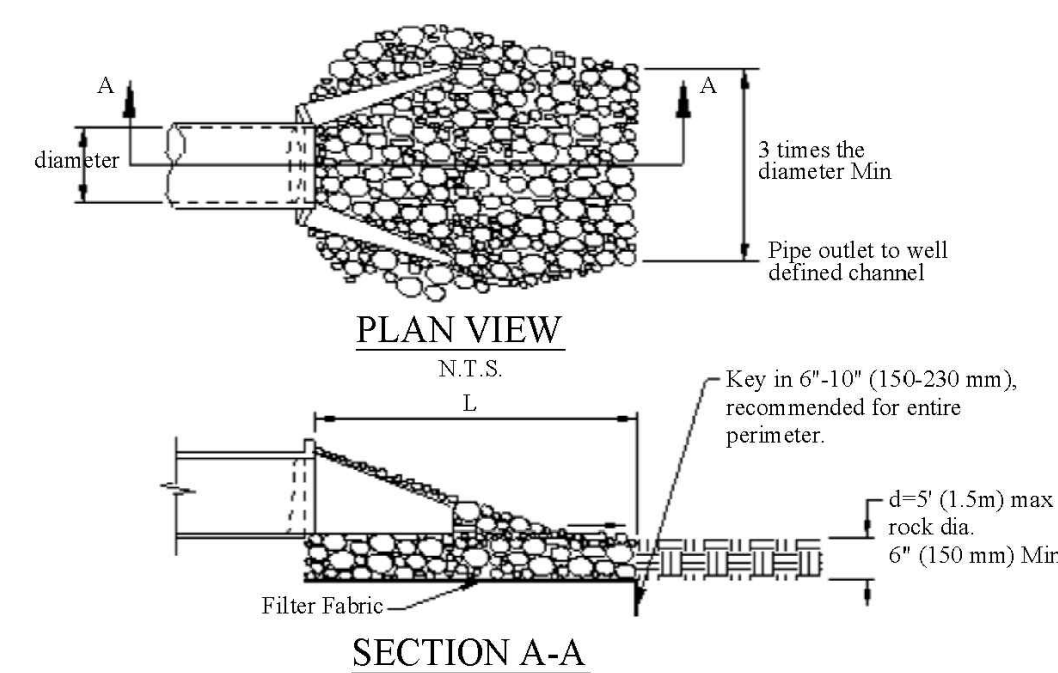


Rear-Load Garbage Truck
Overall Length 35.000ft
Overall Width 8.375ft
Overall Body Height 10.546ft
Min Body Ground Clearance 1.000ft
Track Width 8.375ft
Lock-to-lock time 6.00s
Curb to Curb Turning Radius 29.300ft



CLIENT: ZACH PEARSON, 1100 ASHEVILLE HWY, KNOXVILLE, TN 37924
 PLOTTED BY: MICHAEL WILLIAMS, 5/21/2026 11:37 AM, LAST UPDATED BY: MICHAEL WILLIAMS ON 5/21/2026 11:37 AM

ACTIVITY: Outlet Protection PESC - 07



Adapted from: Virginia Erosion & Sediment Control Handbook, 1992

Pipe Diameter in (mm)	Discharge ft ³ /s (m ³ /s)	Apron Length, L ft (m)	Rip-Rap D ₅₀ Diameter Min in (mm)
12 (300)	4.9 (0.14)	10 (3)	4 (100)
18 (450)	9.89 (0.28)	13 (4)	6 (150)
	20.13 (0.57)	16 (5)	8 (200)
	30.01 (0.85)	23 (7)	12 (300)
	39.90 (1.13)	26 (8)	16 (400)
24 (600)	30.01 (0.85)	16 (5)	8 (200)
	39.90 (1.13)	26 (8)	8 (200)
	50.14 (1.42)	26 (8)	12 (300)
	60.03 (1.70)	30 (9)	16 (400)

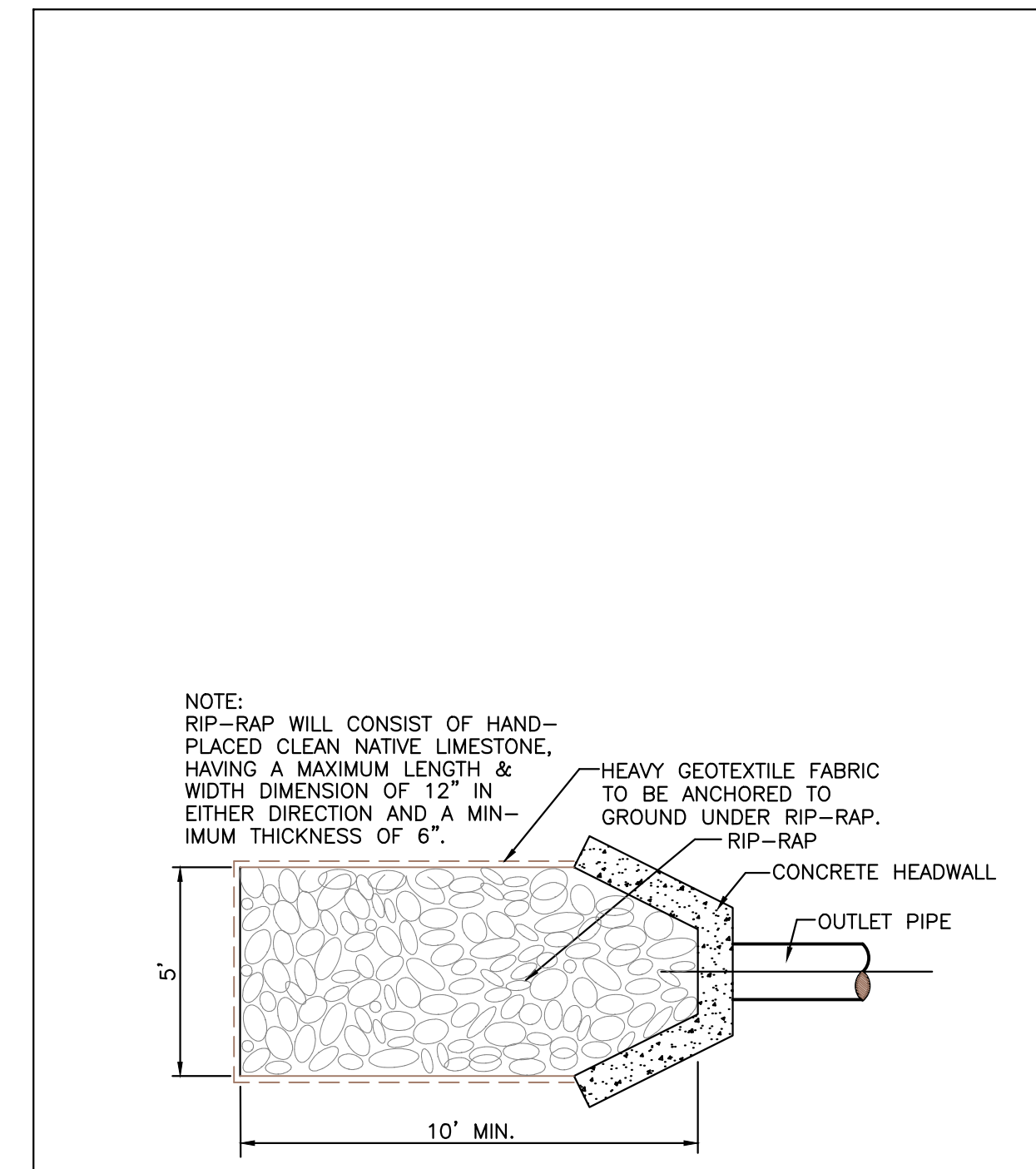
For larger or higher flows, consult a registered civil engineer

Source: Adapted from USDA-SCS

Figure PESC-07-1
Outlet Protection Sizing

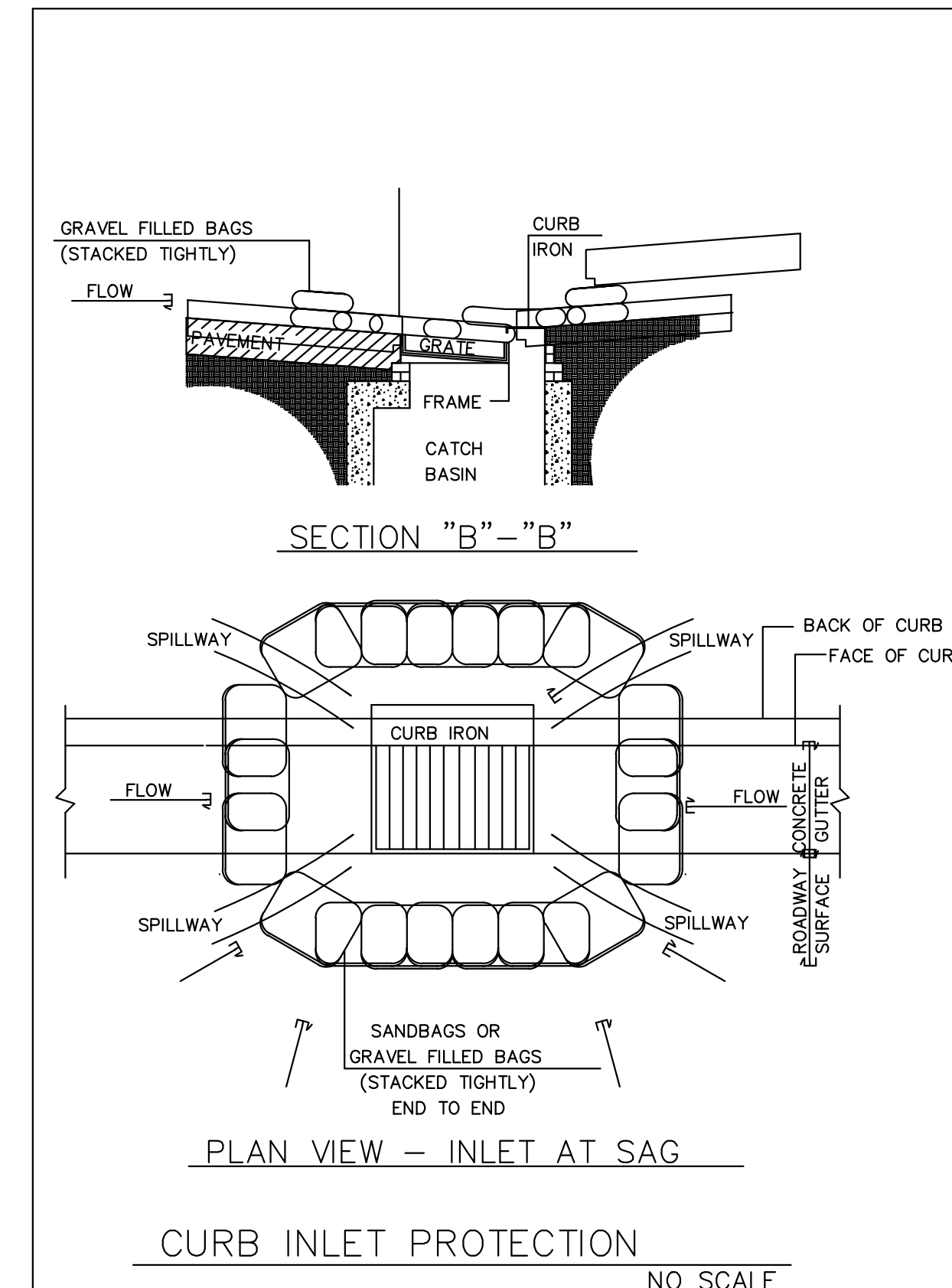
Stormwater Best Management Practices - Permanent EP&SC PESC-07-3 January 2014

DETAIL 1



RIP-RAP DETAIL
(PER MWS TCP-20)
NOT TO SCALE

DETAIL 2



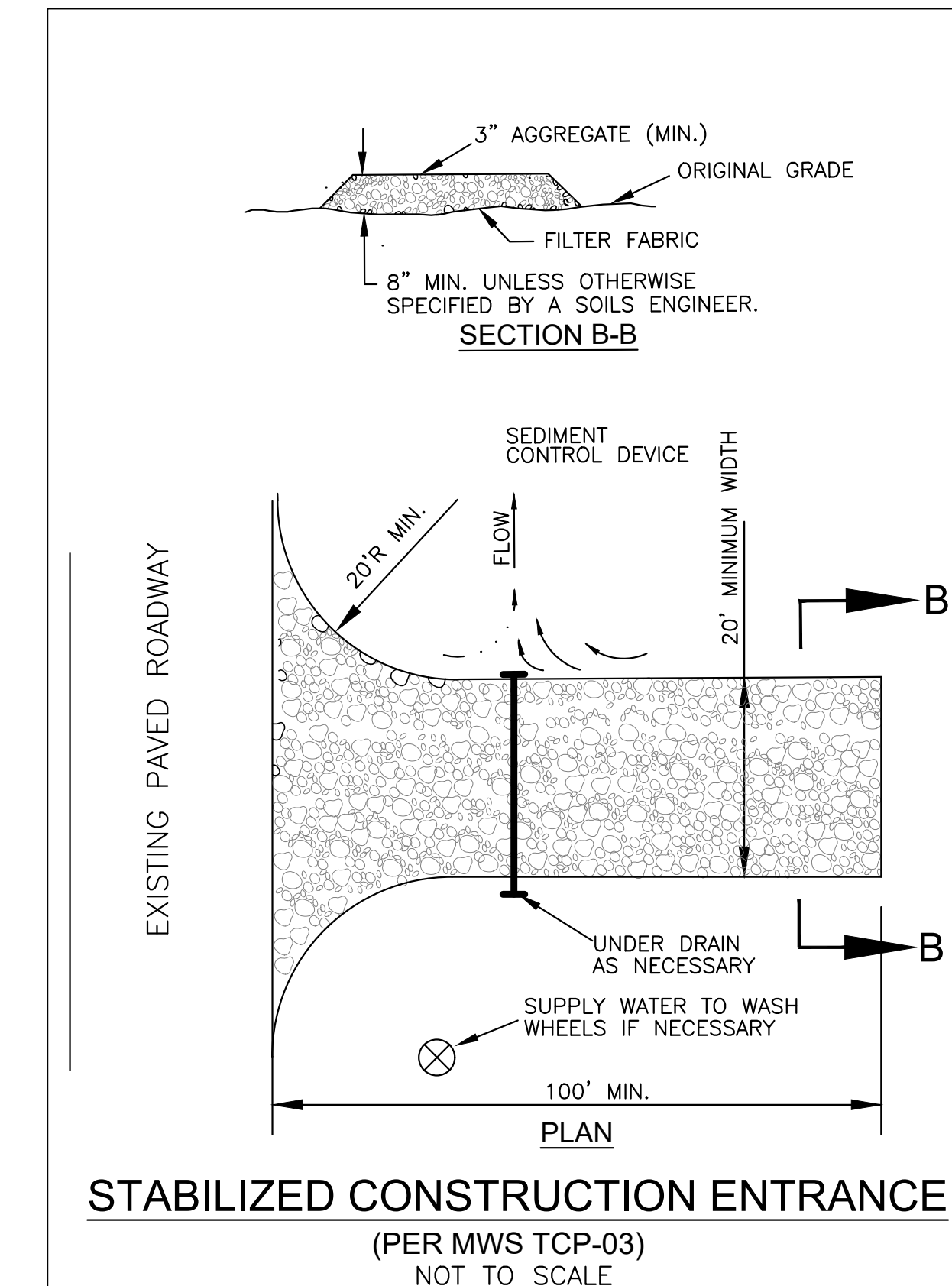
SECTION "B" - "B"

PLAN VIEW - INLET AT SAG

CURB INLET PROTECTION

NO SCALE

DETAIL 3



SECTION B-B

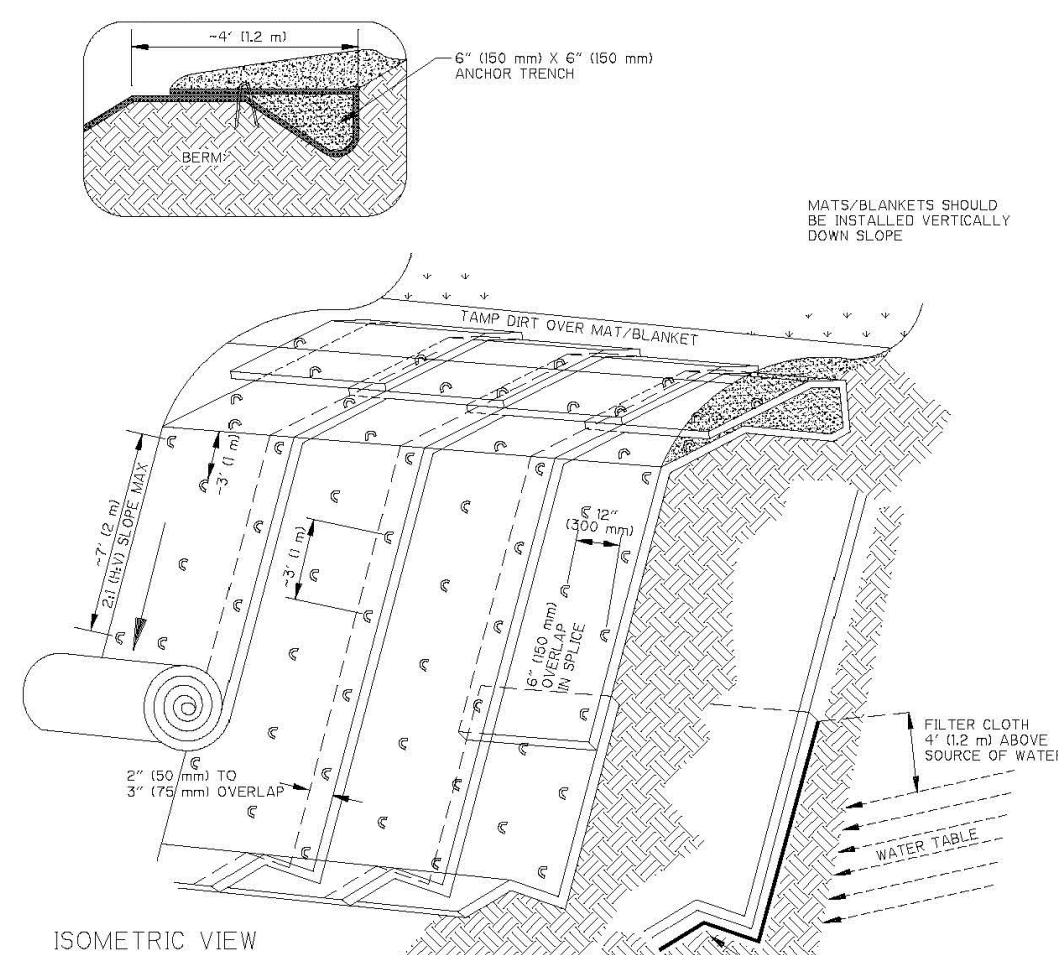
PLAN

STABILIZED CONSTRUCTION ENTRANCE

(PER MWS TCP-03)
NOT TO SCALE

DETAIL 4

ACTIVITY: Geotextiles PESC - 02



TYPICAL SLOPE
SOIL STABILIZATION

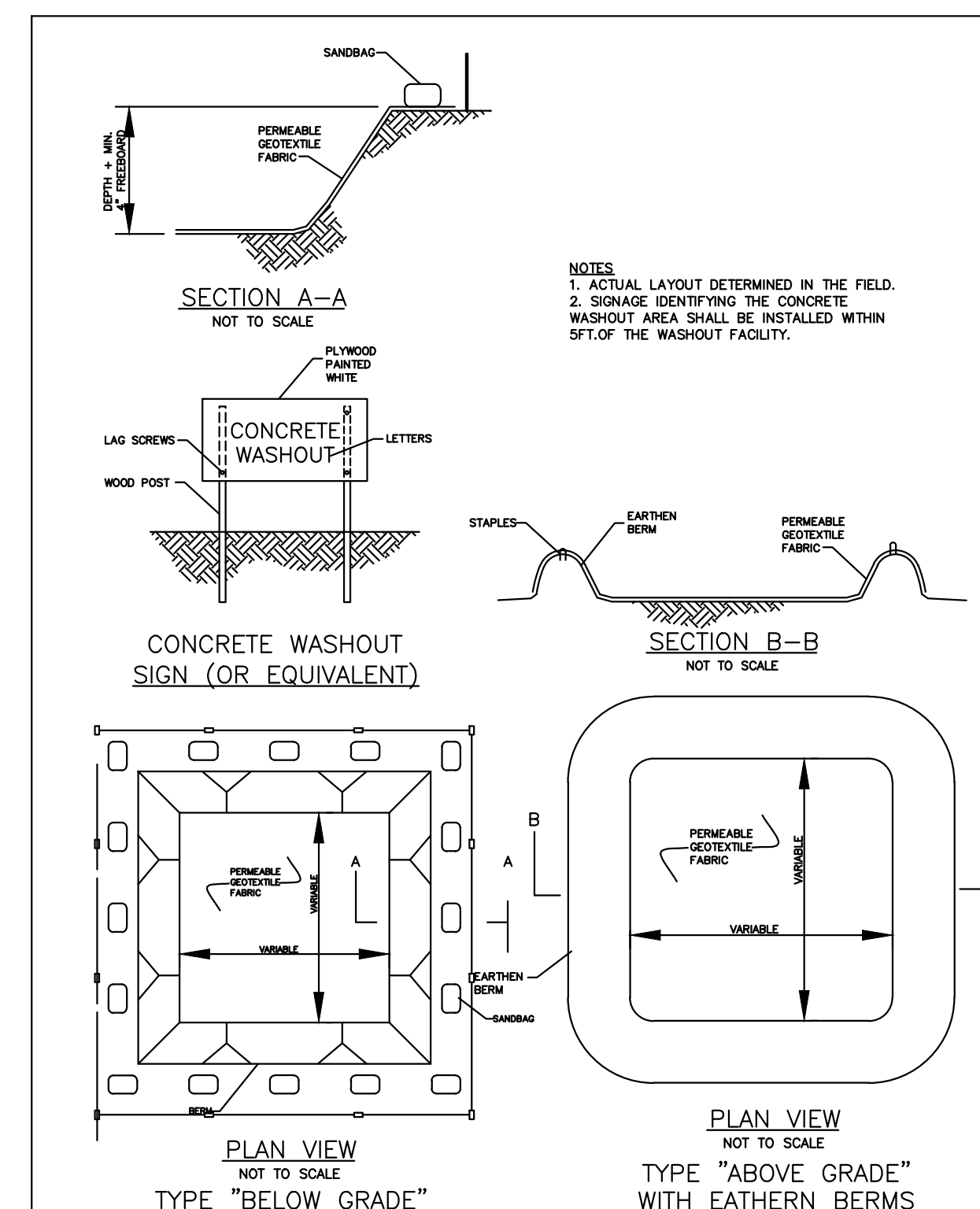
WET SLOPE LINING

NOTES:
1. SLOPE SURFACE SHALL BE FREE OF ROCKS, SOIL CLODS, STICKS AND GRASS. MATS/BLANKETS SHALL HAVE GOOD SOIL CONTACT.
2. LAY BLANKETS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.

Figure PESC-02-2
Anchoring Geotextiles on Embankments

Volume 4: Stormwater Best Management Practices - Permanent E&S Control Management Practices PESC-02-4 February 2000

DETAIL 5



SECTION A-A

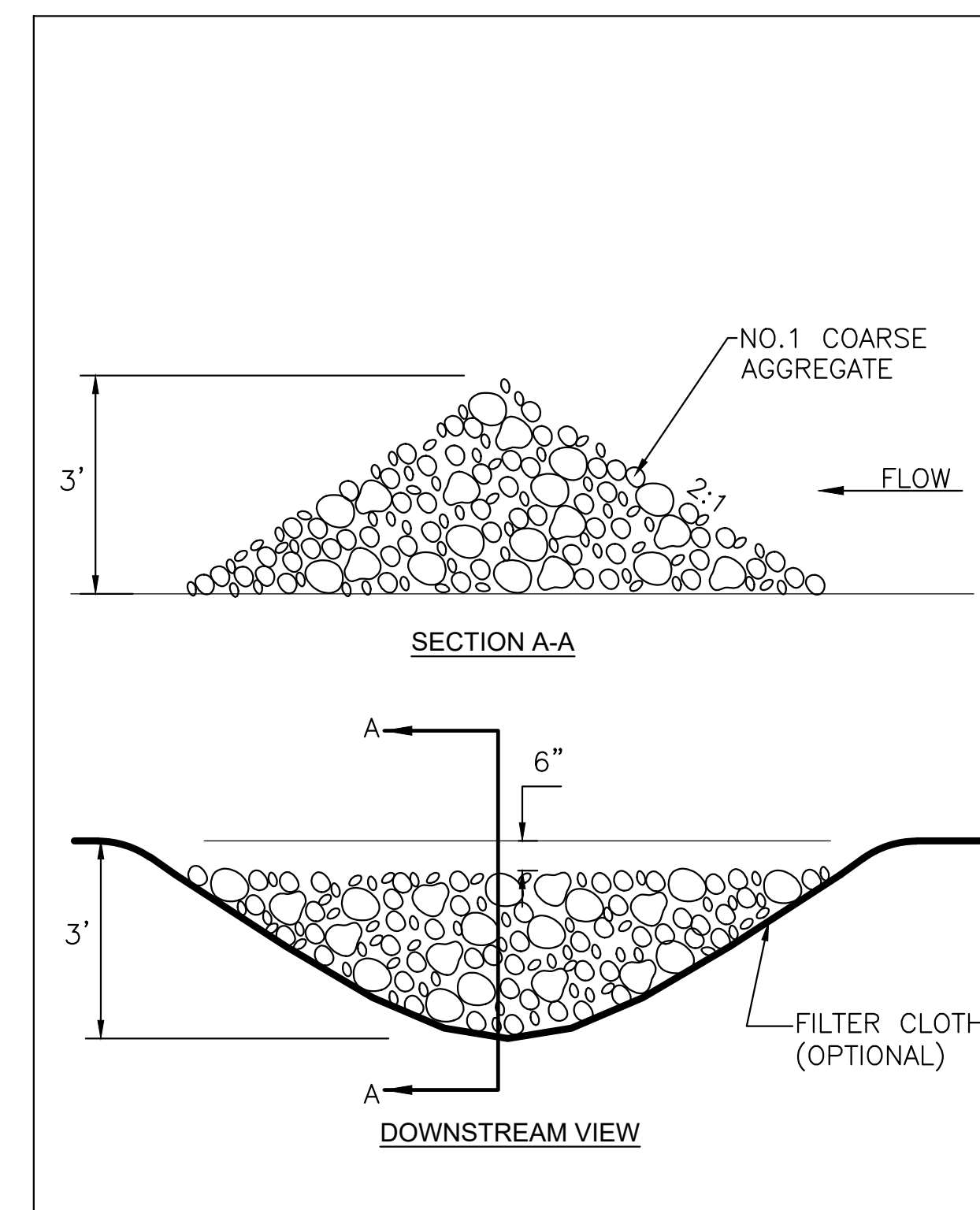
SECTION B-B

PLAN VIEW

CONCRETE WASHOUT

(PER MWS CP-10 & CP-13)
NOT TO SCALE

DETAIL 6



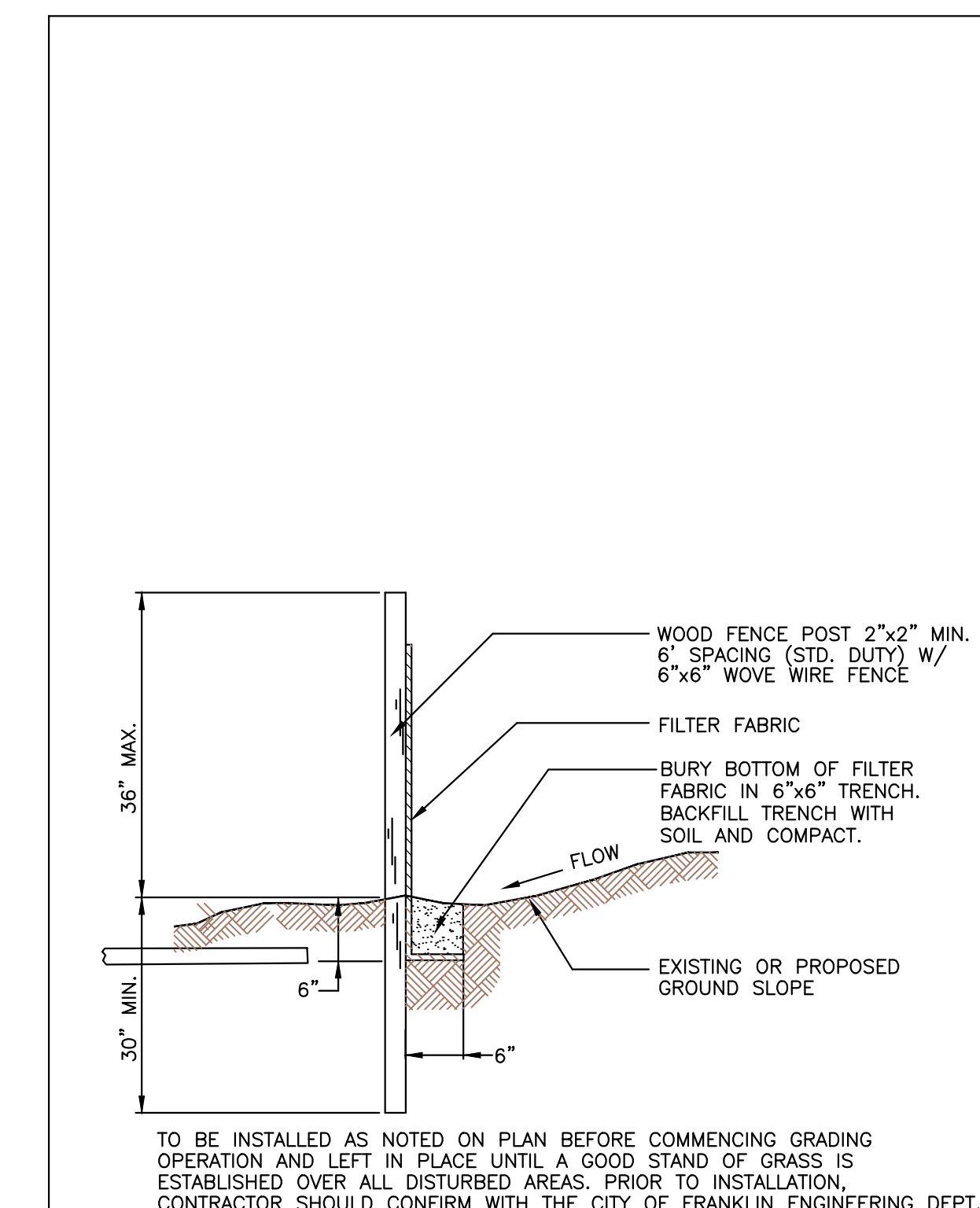
SECTION A-A

DOWNSTREAM VIEW

ROCK CHECK DAM

(PER MWS TCP-12)
NOT TO SCALE

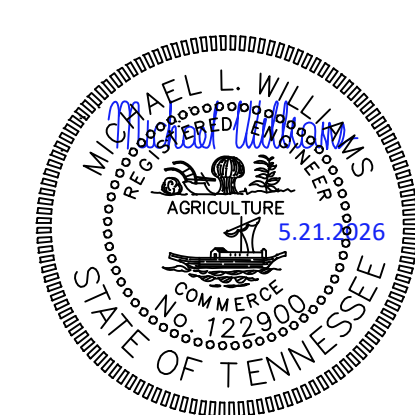
DETAIL 7



EROSION/SILTATION FENCE

(PER MWS TCP-13)
NOT TO SCALE

DETAIL 8

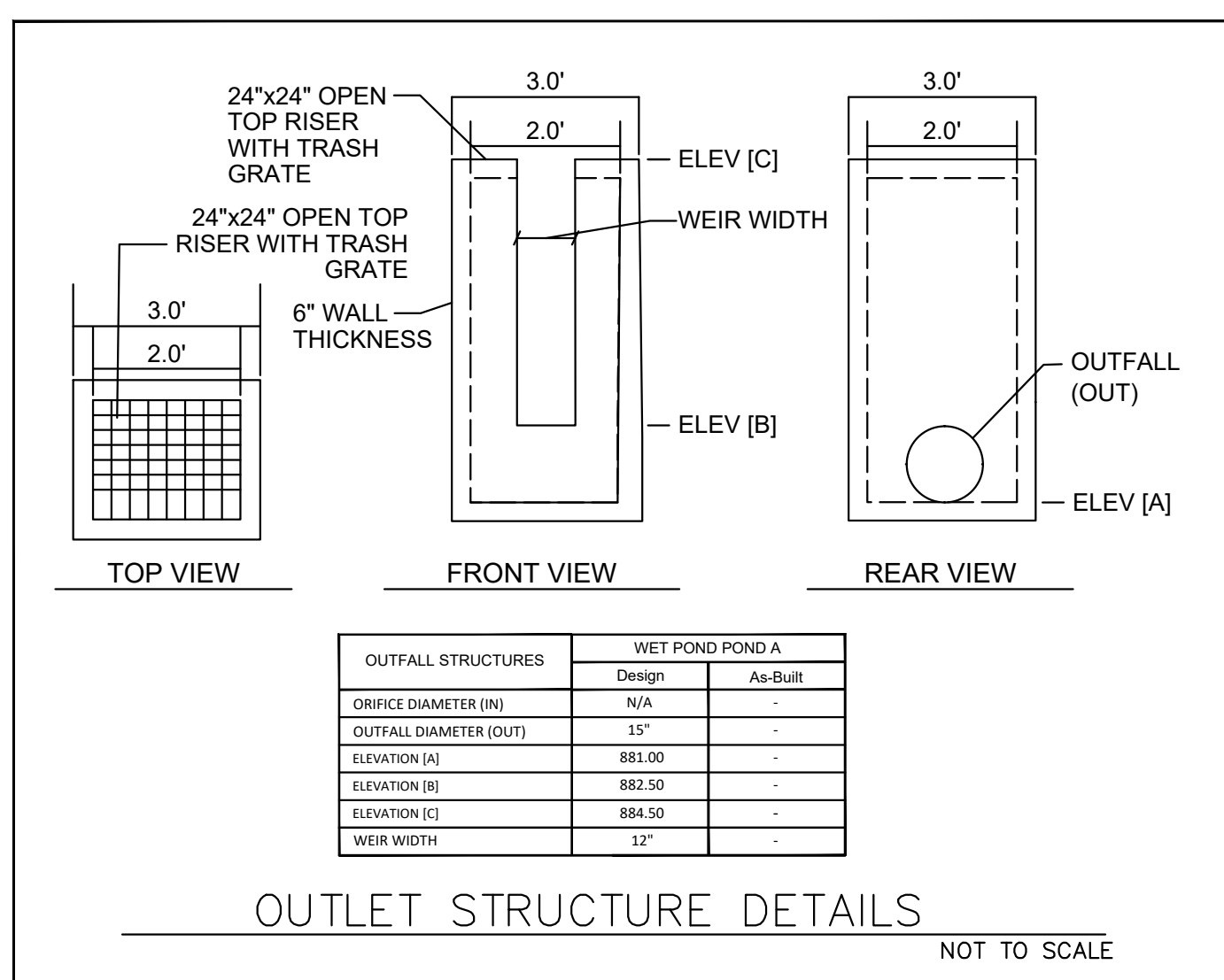


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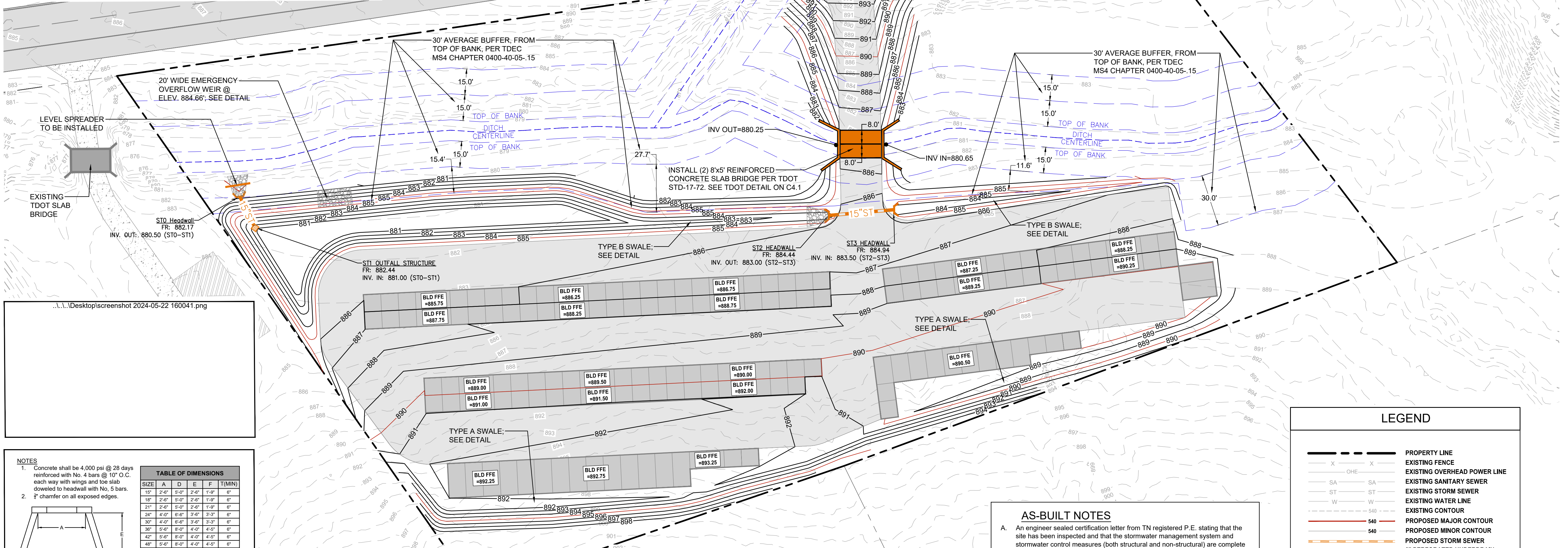
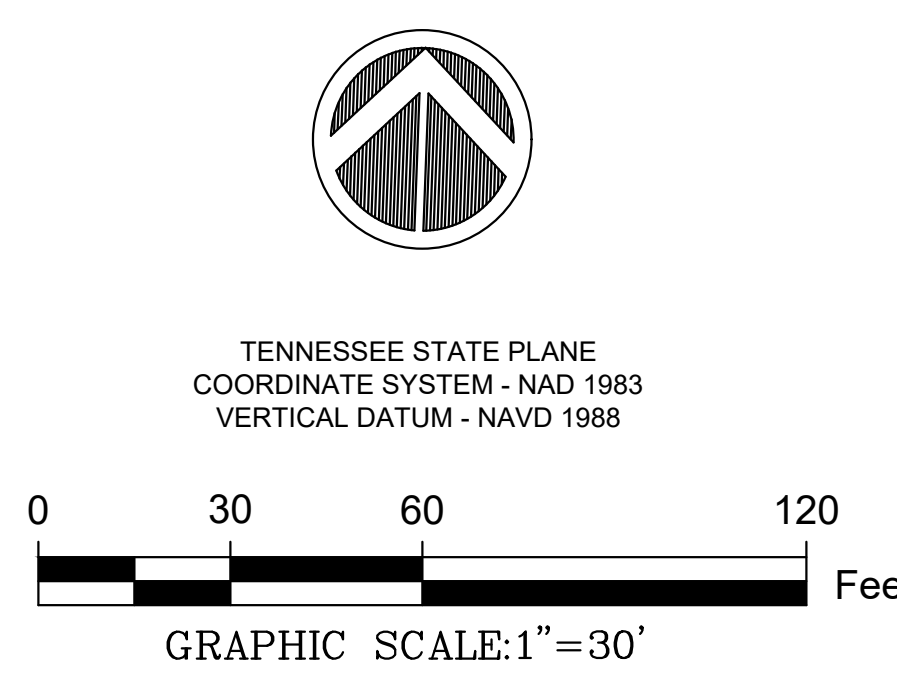
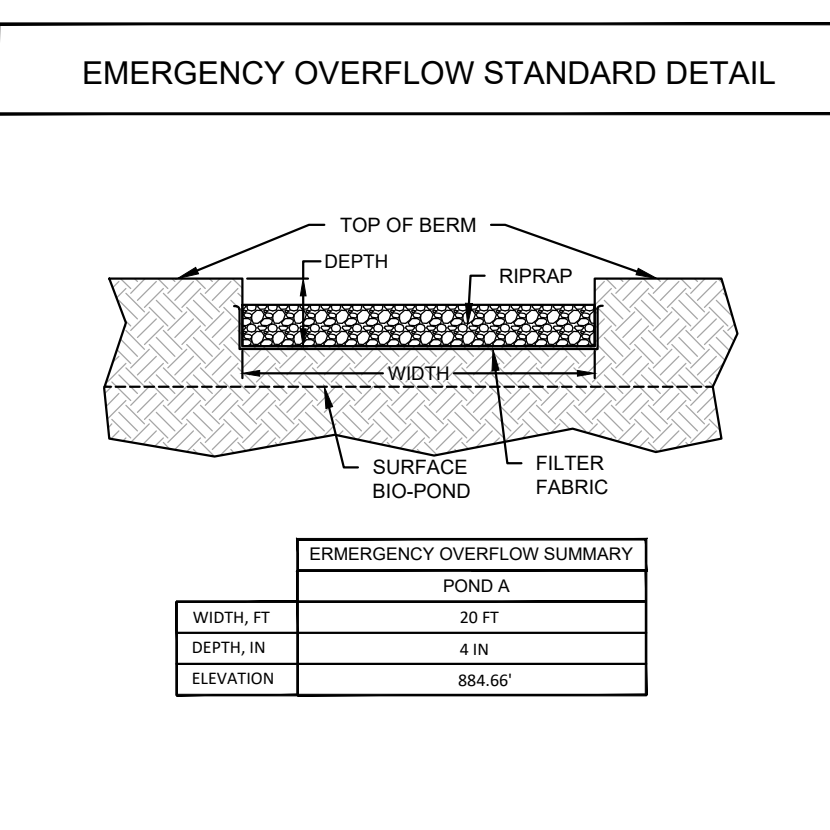
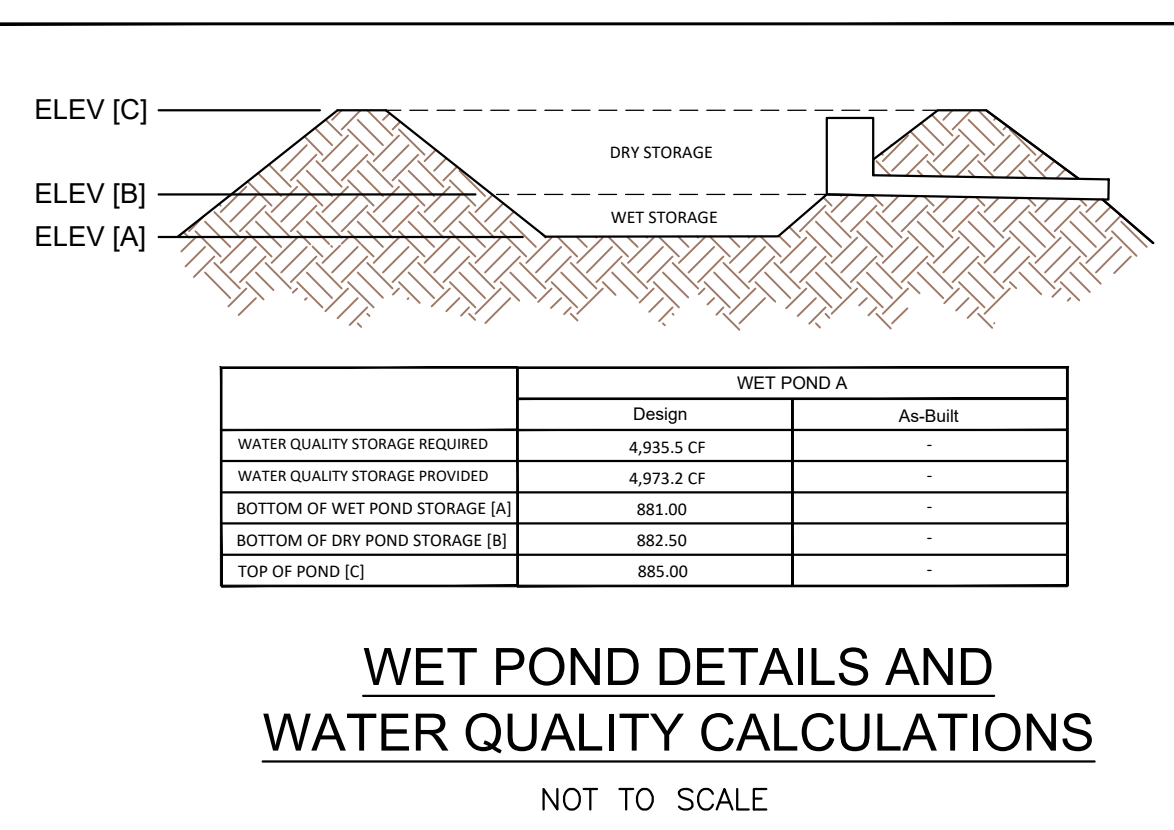
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DESIGNED BY: MLW
DATE: 5/21/2026
SCALE: SEE DETAIL
JOB #: 20250806-2

EPSC DETAILS



OUTFALL STRUCTURES	WET POND POND A	
	Design	As-Built
ORIFICE DIAMETER (IN)	N/A	-
OUTFALL DIAMETER (OUT)	15"	-
ELEVATION (A)	881.00	-
ELEVATION (B)	882.50	-
ELEVATION (C)	884.50	-
WEIR WIDTH	12"	-

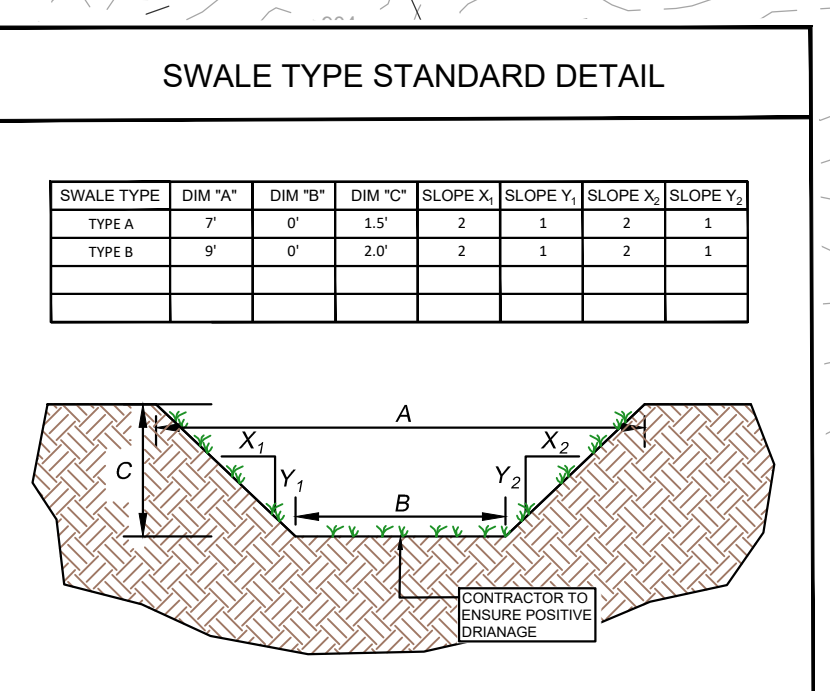


NOTES

- Concrete shall be 4,000 psi @ 28 days reinforced with No. 4 bars @ 10" O.C. each way with wings and toe slab dowelled to headwall with No. 5 bars.
- 1/2" chamfer on all exposed edges.

TABLE OF DIMENSIONS					
SIZE	A	D	E	F	T (MIN)
15"	2'-0"	3'-0"	2'-6"	1'-0"	6"
18"	2'-0"	3'-0"	2'-6"	1'-0"	6"
21"	2'-0"	3'-0"	2'-6"	1'-0"	6"
24"	4'-0"	6'-6"	3'-6"	3'-3"	6"
30"	4'-0"	6'-6"	3'-6"	3'-3"	6"
36"	5'-0"	8'-0"	4'-0"	4'-0"	6"
42"	5'-0"	8'-0"	4'-0"	4'-0"	6"
48"	5'-0"	8'-0"	4'-0"	4'-0"	6"
54"	7'-0"	9'-6"	4'-8"	5'-0"	6"
60"	7'-0"	9'-6"	4'-8"	5'-0"	6"

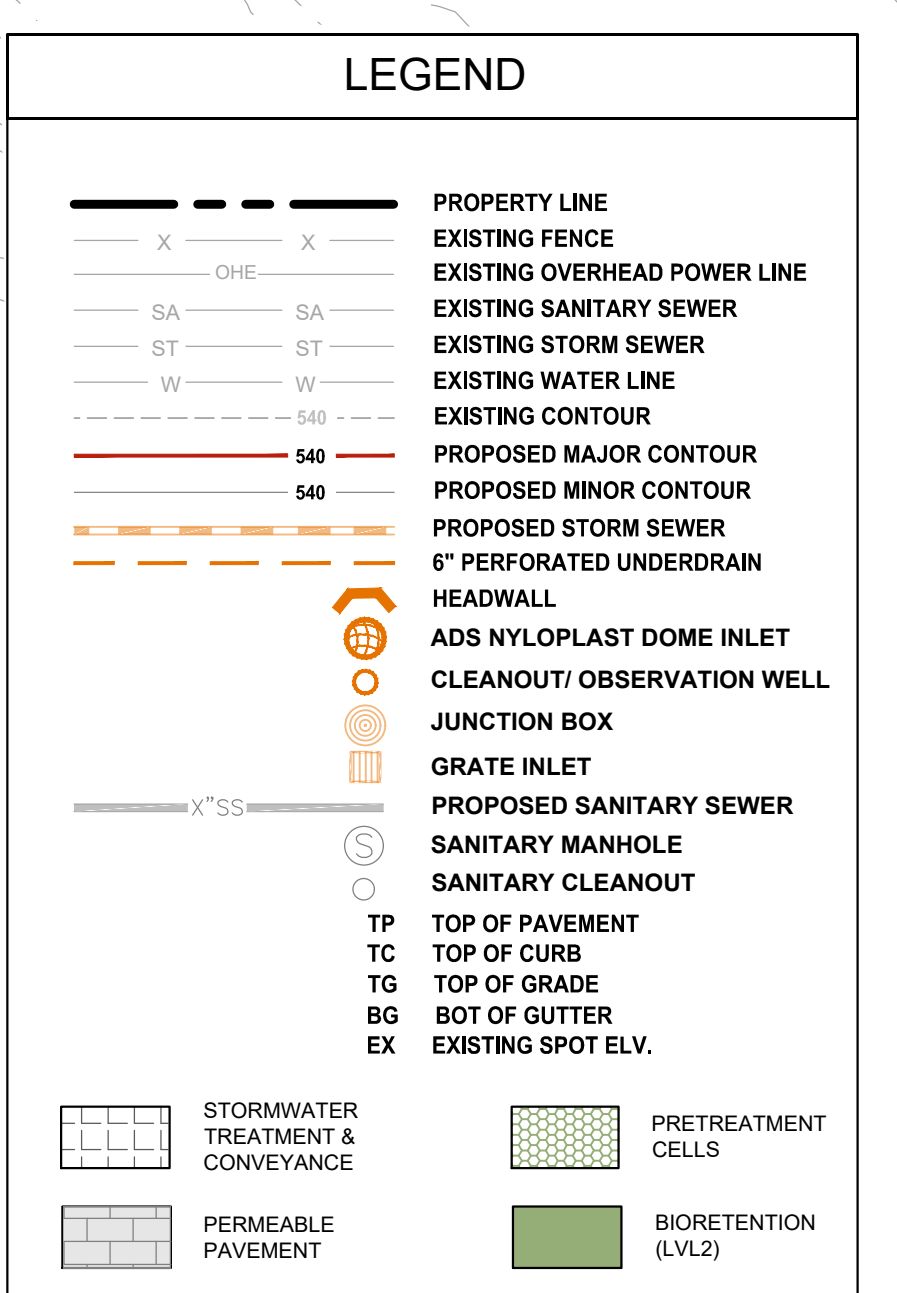
TYPICAL PRECAST HEADWALL
NO SCALE



PIPE TABLE			
LINE	SIZE/TYPE	LENGTH	SLOPE
ST0-ST1	15" PVC	20'	2.49%
ST2-ST3	15" RCP	38'	1.32%

DRAINAGE STRUCTURE SCHEDULE				
NO.	TYPE	CASTING	RIM	INVERTS
ST0	HEADWALL	CONCRETE	882.17	880.50 (ST1)
ST1	OUTFALL STRUCTURE	JBS 4310	882.44	881.00 (ST0)
ST2	HEADWALL	JBS 2110	884.44	883.00 (ST3)
ST3	HEADWALL	JBS 2110	884.94	883.50 (ST2)

- AS-BUILT NOTES**
- An engineer sealed certification letter from TN registered P.E. stating that the site has been inspected and that the stormwater management system and stormwater control measures (both structural and non-structural) are complete and functional in accordance with the plans approved by MWS.
 - An as-built LID spreadsheet, as warranted from changes.
 - Hydrologic and hydraulic calculations for as-built conditions, as required.
 - As-built drawings showing final topographic features of all these facilities. This shall include invert elevations of outlet control structures.
 - Any deviations from the approved plans shall be noted on as-built drawings submitted.
 - Copy of as-built plan CAD file registered to the TN State Plane Coordinate System, North American Datum 1983 (NAD83) and vertical elevations are to be tied to the North American Vertical Datum 1988 (NAVD88). Data should be submitted electronically and be placed in separate layers and should be labeled/named for easy identification.
 - Cut and fill balance certification for floodplain and sinkhole alterations.
 - Water quality buffers shall be surveyed and included with the as-built submittal.
 - Any public (to become the responsibility of Metro to maintain) stormwater infrastructure shall be video-inspected to verify proper installation with the video recording and any associated inspection report submitted as part of as-built record. In general, video ratings of 1 and 2 are usually minor and don't need to be addressed. However, Knox County reserves the right to require remedy or repair to the structure(s) rated 1 and 2 as deemed necessary by the design engineer or Knox County.
 - Additional testing may be required as/wf warranted by video inspection.



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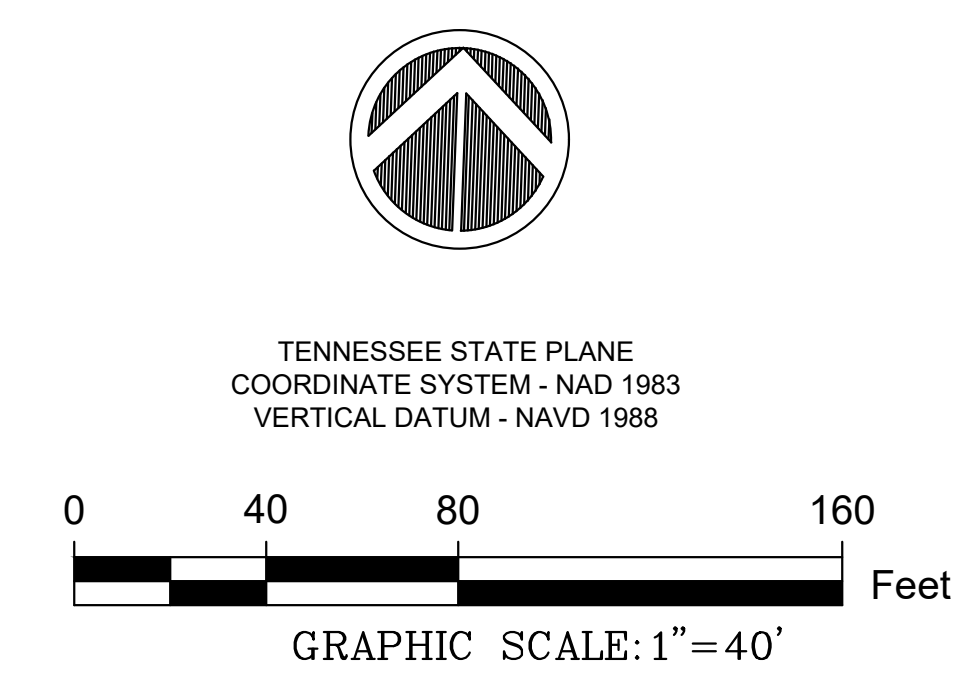
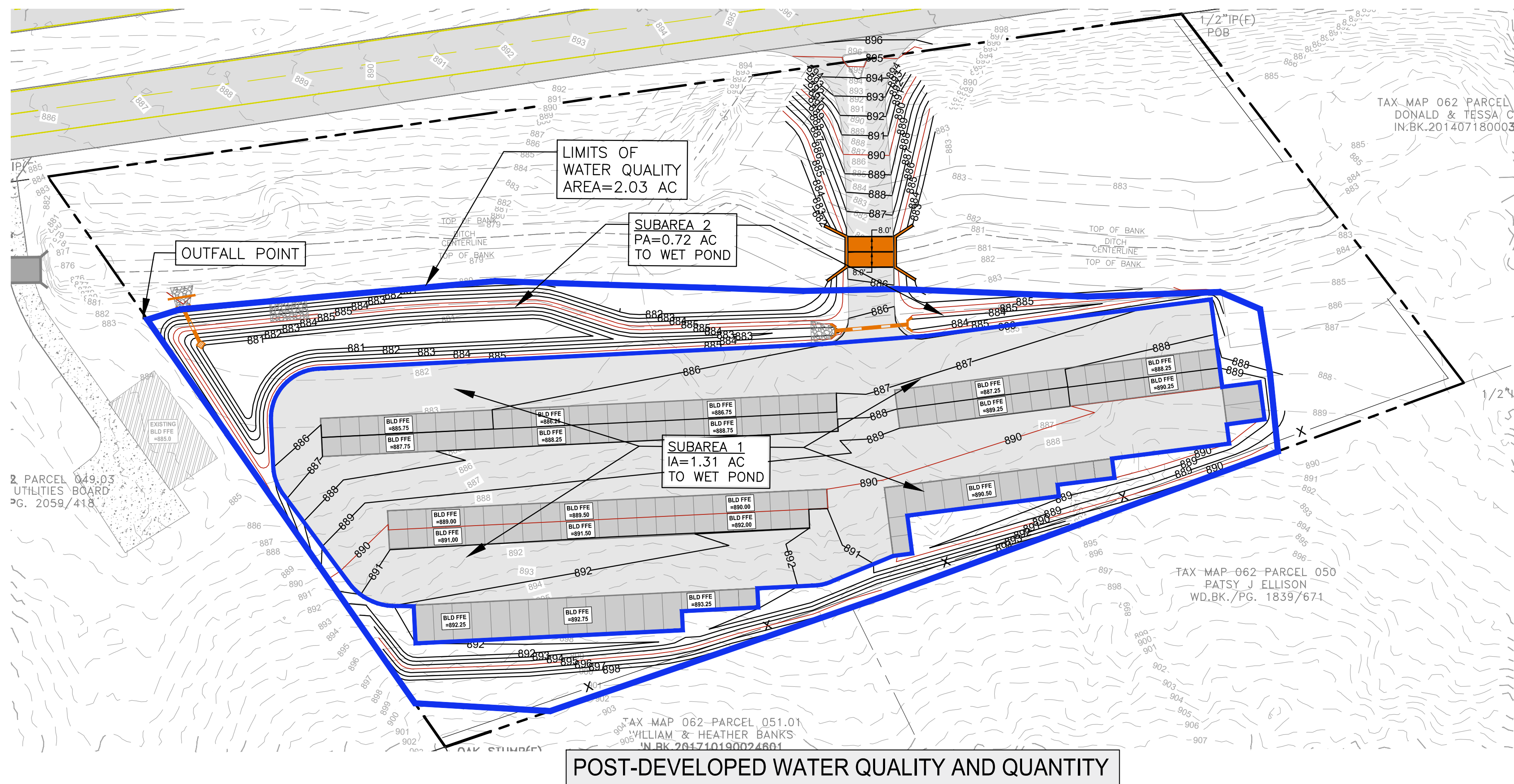
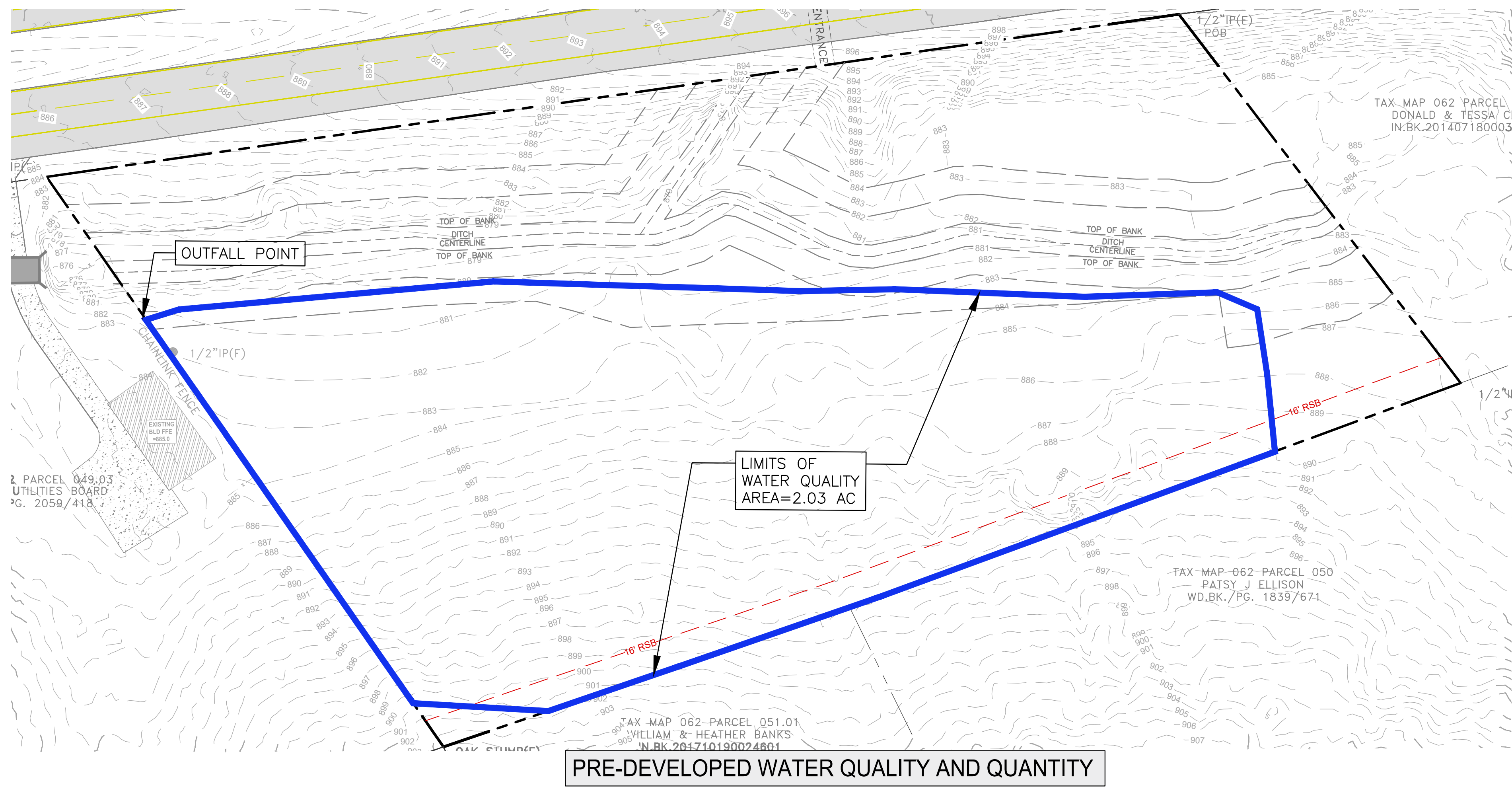
REVISIONS | DATE

DESIGNED BY: MLW
DATE: 5/21/2026
SCALE: 1"=30'
JOB #: 20250806-2

GRADING & DRAINAGE PLAN
C4.0

CLIENT: ZACH PEARSON, 1000 ASHEVILLE HWY, KNOXVILLE, TN 37924. DRAWN BY: MICHAEL WILLIAMS, P.E., DATE: 5/21/2026. PLOTTED BY: MICHAEL WILLIAMS, P.E., DATE: 5/21/2026. 10:54 AM





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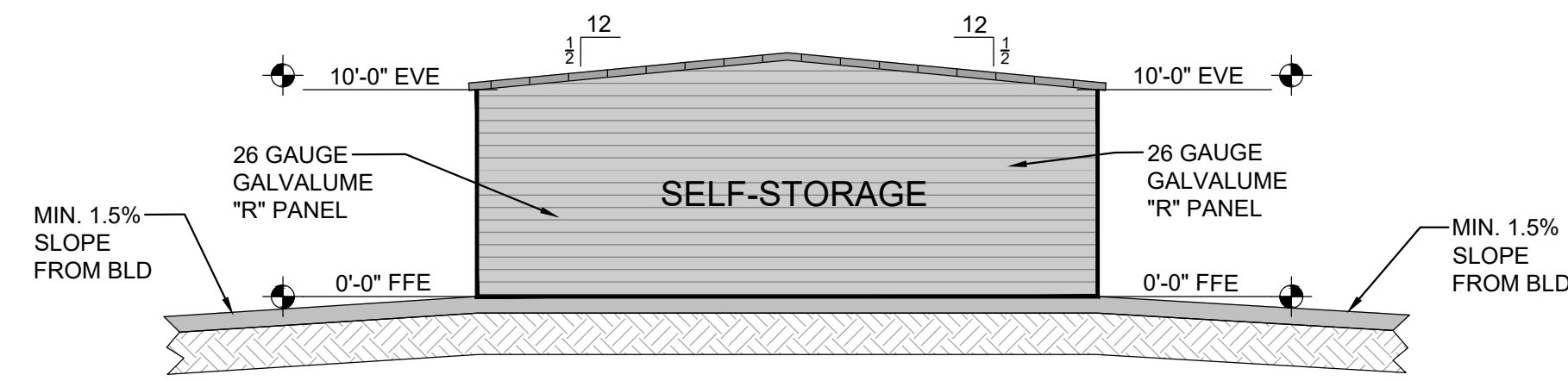
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DESIGNED BY: MLW
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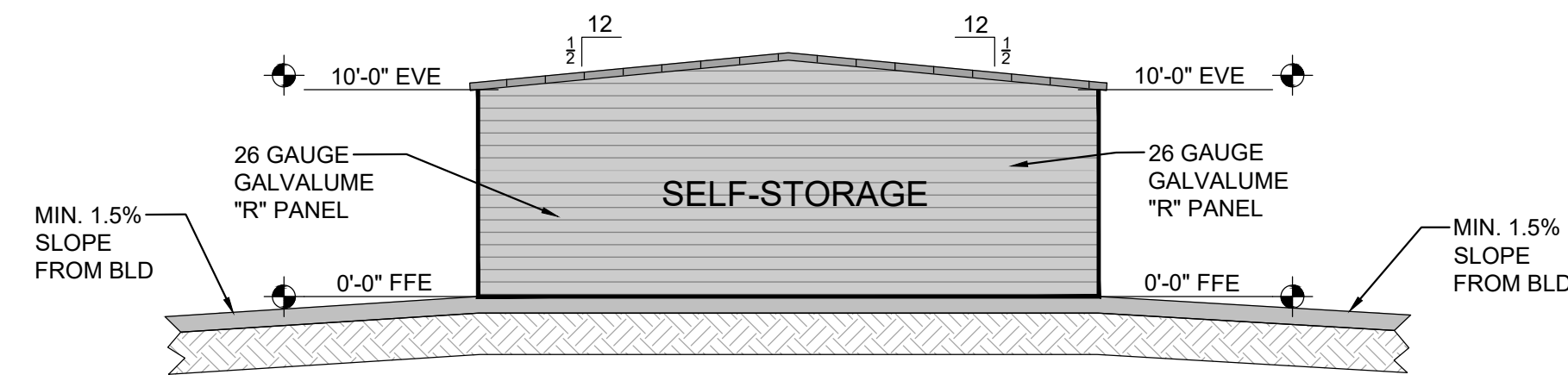
WATER QUALITY & WATER QUANTITY MAPS

C5.0

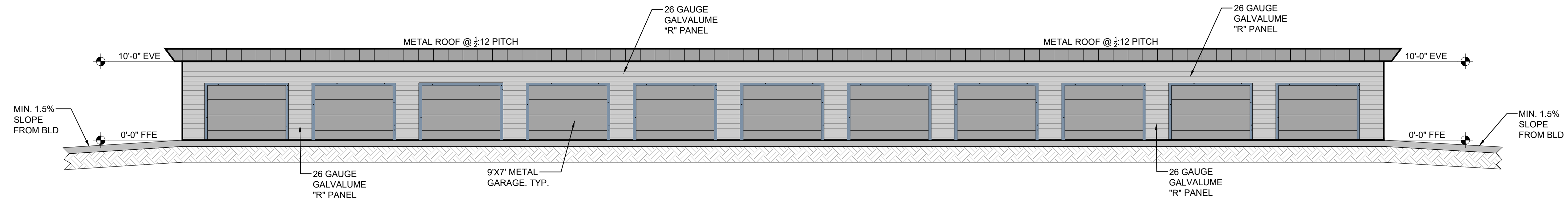
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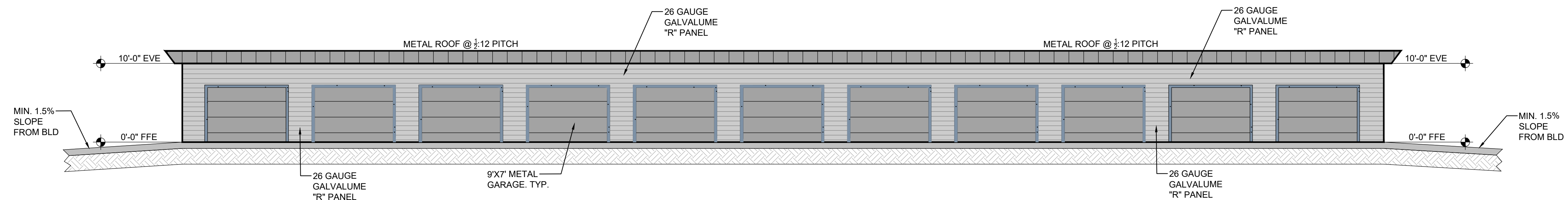
1 WEST ELEVATION - TYPE A
SCALE: $\frac{1}{8}'' = 1'-0''$



2 EAST ELEVATION - TYPE A
SCALE: $\frac{1}{8}'' = 1'-0''$



3 NORTH ELEVATION - TYPE A
SCALE: $\frac{1}{8}'' = 1'-0''$



4 SOUTH ELEVATION - TYPE A
SCALE: $\frac{1}{8}'' = 1'-0''$



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REVISIONS	DATE
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DESIGNED BY: MLW
DATE: 8/6/2025
SCALE: SEE SCALE
JOB #: 20250806-2

ARCHITECTURAL ELEVATIONS

C6.0

