

CITY OF SALEM PROJECT INFORMATION
CITY ENGINEER: WILLIAM SIMPSON (540-375-3032)

COUNTY: ROANOKE
MAGISTERIAL DISTRICT: N/A
DISTURBED ACREAGE: TBD
IMPERVIOUS AREA (PRE-DEVELOPMENT): TBD
IMPERVIOUS AREA (POST-DEVELOPMENT): TBD
STORMWATER OUTFALL HUC UNIT: 0301010103
RECEIVING WATERBODY: ROANOKE RIVER-MASON CREEK
LATITUDE: 37.291882°
LONGITUDE: -80.0287540°
TP LOAD REDUCTION REQUIRED: TBD



COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION

THIS PROJECT IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF SALEM SUBDIVISION ORDINANCE, VDOT's 2020 ROAD AND BRIDGE SPECIFICATIONS, 2020 ROAD AND BRIDGE STANDARDS, 2011 WORK AREA PROTECTION MANUAL-REVISION 2, 2009 MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, THE 2011 VIRGINIA SUPPLEMENT TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, AND AS AMENDED BY CONTRACT PROVISIONS AND THE COMPLETE ELECTRONIC PDF ASSEMBLY.

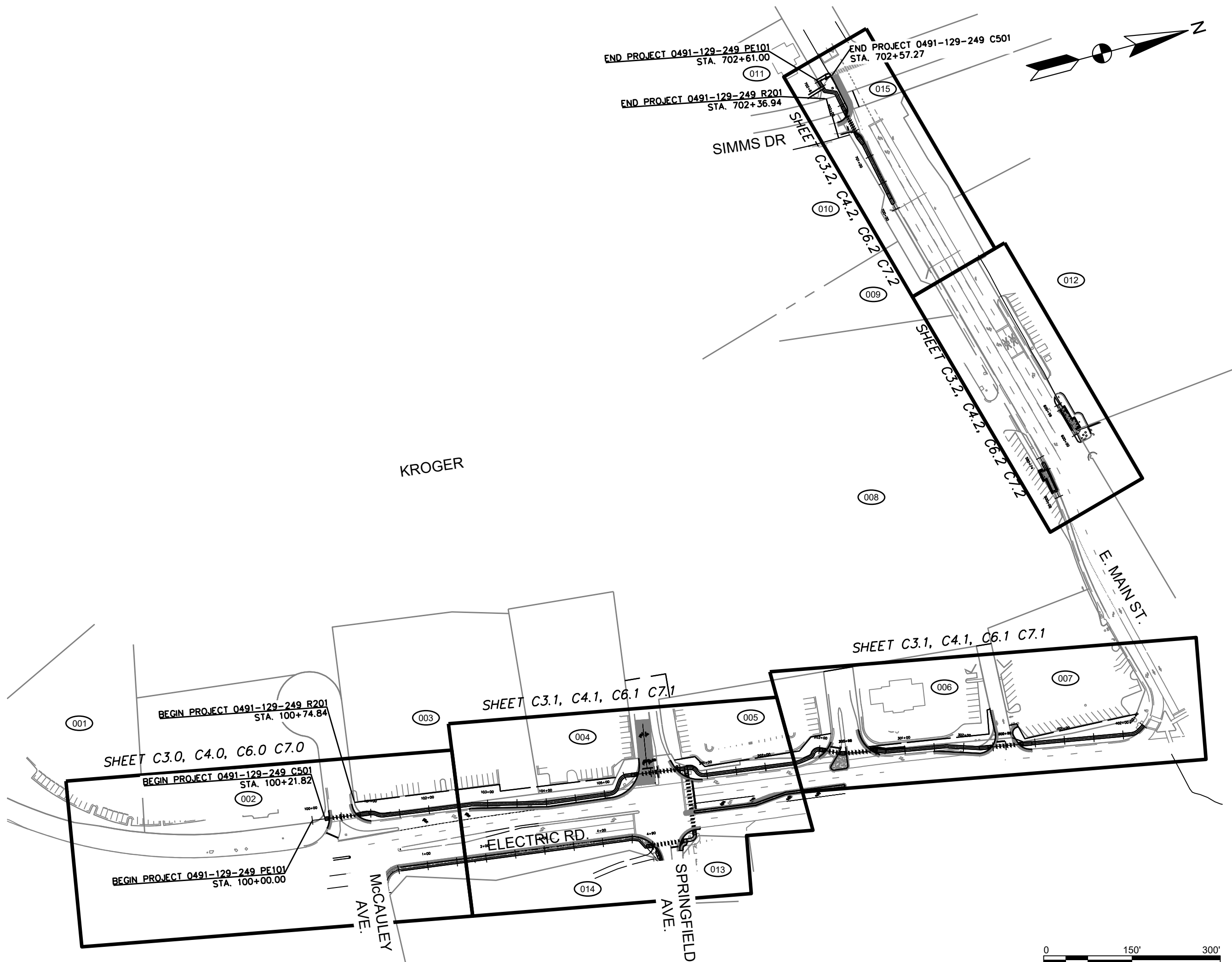
THESE PLANS ARE UNFINISHED AND
UNAPPROVED AND ARE NOT TO BE
USED FOR ANY TYPE OF CONSTRUCTION

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CITY OF SALEM
MASON CREEK GREENWAY PHASE III
FROM: EAST MAIN STREET
TO: McCAULEY AVE

STATE PROJECT #0419-129-248
UPC #111367
R.O.W. PLAN



City of Salem Population 25,290 (2020)

STATE PROJECT NO.	SECTION	FEDERAL AID PROJECT NO.	TYPE CODE	UPC NO.	EQUALITIES		LENGTH INCLUDING BRIDGE(S)		LENGTH EXCLUDING BRIDGE(S)		BRIDGE PROJECT	TYPE PROJECT	DESCRIPTION
					FEET	MILES	FEET	MILES	FEET	MILES			
0419-129-248	P-101	STP-5128(456)		111367			2,900	0.550				PRE-ENGR	FROM: EAST MAIN ST. TO: McCAULEY AVE.
	R-201	NHPP-5128(502)		111367			2,900	0.550				R/W	FROM: EAST MAIN ST. TO: McCAULEY AVE.
	M-501	NHPP-5128(503)		111367			2,900	0.550				CONSTRUCTION	FROM: EAST MAIN ST. TO: McCAULEY AVE.

TIER 1 PROJECT

LOCALLY ADMINISTERED PROJECTS	
CITY OF SALEM	
NAME OF LOCALITY	
(SIGNATURE)	
CHRISTOPHER DORSEY	
RECOMMENDED FOR APPROVAL FOR RIGHT OF WAY ACQUISITION	
TOWN MANAGER	TITLE OF POSITION
DATE	TITLE OF POSITION
(SIGNATURE)	
CHRISTOPHER DORSEY	
RECOMMENDED FOR APPROVAL FOR CONSTRUCTION	
TOWN MANAGER	TITLE OF POSITION
DATE	TITLE OF POSITION

RECOMMENDED FOR APPROVAL FOR RIGHT OF WAY ACQUISITION	
DATE	DISTRICT PLANNING AND INVESTMENT MANAGER
DATE	
DATE	DISTRICT PROJECT DEVELOPMENT ENGINEER
APPROVED FOR RIGHT OF WAY ACQUISITION	
DATE	DISTRICT ENGINEER/ADMINISTRATOR

RECOMMENDED FOR APPROVAL FOR CONSTRUCTION	
DATE	DISTRICT PLANNING AND INVESTMENT MANAGER
DATE	
DATE	DISTRICT PROJECT DEVELOPMENT ENGINEER
APPROVED FOR CONSTRUCTION	
DATE	DISTRICT ENGINEER/ADMINISTRATOR

AMT
A. MORTON THOMAS AND ASSOCIATES, INC.
CONSULTING ENGINEERS
105 ARBOR DRIVE, SUITE 200
CHRISTIANSBURG, VA 24073
PHONE (540) 251-5134
EMAIL: AMT1@AMTENGINEERING.COM

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T3 DESIGN CORPORATION
1640 DEMOCRACY LN
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FAIRFAX, VA 22030
PHONE: 703-369-4861
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MASON CREEK
GREENWAY PHASE 3 -
419 MULTIMODAL
IMPROVEMENTS
STATE PROJECT NO.
0419-129-248
UPC 111367

CITY OF SALEM
21 S. BRUFFEY ST.
SALEM, VA 24153
PHONE: 540-375-3032

MARK DATE DESCRIPTION

R.O.W. PLANS

PROJECT NO: 21-0812.001
SCALE: 1"=150'
DESIGNED BY: AMT
DRAWN BY: AMT
CHECKED BY: AMT

SHEET TITLE

TITLE SHEET

C1.0

RIGHT OF WAY DATA TABLE

PARCEL INFORMATION				AREAS																PROFFERS	
				TOTAL PARCEL SIZE		FEE TAKING	PRESCRIPTIVE R/W	FEE REMAINDER		EASEMENTS											
										DRAINAGE	GREENWAY	RETAINING WALL	WATER	SEWER	GAS	TELEPHONE	POWER	TEMPORARY ENTRANCE	TEMPORARY ROADWAY		
PARCEL NO.	LANDOWNER	TAX MAP NO.	SHEET NO.	ACRES	SF	SF	ACRES	ACRES	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	SF	YES / NO	
001	NOT USED																				
002	NOT USED																				
003	REALTY INCOME PROPERTIES 9 LLC	111-1-5.1	C4.0, C4.1	2.263		145		2.260											6,522	NO	
004	MMC CHARLOTTE LLC, ALLIANCE PANCAKE PARTNERS LLC/DBA IHOP #3319	111-1-6	C4.1	1.264															1,499	NO	
005	HC HOLDINGS LLC	80-4-3	C4.1		36,416	375			36,041										2,615	NO	
006	3440 FT MEADE ROAD ACQUISITION LLC	80-4-2	C4.1		33,803	191			33,612										1,888	NO	
007	MCDONALD'S CORPORATION	80-4-1	C4.1	1.152		81													1,903	NO	
008	LAKESIDE (SALEM) STATION LLC	81-4-4	C4.1, C4.2	9.692		165		9.688										20,187	117	NO	
009	NOT USED																				
010	RANDOLPH V. THOMPSON & GREGORY F. MASTERS	81-4-1	C4.2	1.900															585	NO	
011	NOT USED																				
012	GOODWILL INDUSTRIES OF THE VALLEYS INC	81-2-2	C4.2	4.985		157		4.981											117	NO	
013	NOT USED																				
014	NOT USED																				
015	NORFOLK SOUTHERN RAILROAD	81-4-1	C4.2	-															1,452	NO	
TOTAL =						1,114												20,187	16,698		

AMT

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CITY OF SALEM
21 S. BRUFFEY ST.
SALEM, VA 24153
PHONE: 540-375-3032

MARK	DATE	DESCRIPTION
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R.O.W. PLANS

PROJECT NO:	21-0812.001
SCALE:	N/A
DESIGNED BY:	AMT
DRAWN BY:	AMT
CHECKED BY:	AMT

SHEET TITLE

RIGHT OF WAY DATA
SHEET

C1.1

1. PROJECT DESCRIPTION:

- ### SEQUENCE OF CONSTRUCTION

- ## EROSION & SEDIMENT CONTROL MAINTENANCE NOTES

1. EROSION AND SEDIMENT CONTROL WILL BE CHECKED REGULARLY FOR UNDERMINING OR DETERIORATION AND BUILDUP OR CLOGGING WITH SEDIMENT. CORRECTIVE ACTION WILL BE TAKEN IMMEDIATELY.
2. FREQUENT INSPECTIONS AND CLEANING OF MUD AND DEBRIS FOUND OUTSIDE OF THE LIMITS OF DISTURBANCE IS REQUIRED, ALONG WITH ANY OTHER REMEDIES REQUIRED BY THE TOWN. ANY MUD, SEDIMENT, DEBRIS, ETC. OBSERVED OUTSIDE THE LIMITS OF DISTURBANCE SHALL IMMEDIATELY BE REMOVED AND DISPOSED OF IN AN APPROPRIATE MANNER.
3. ALL SEEDED AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND OF GRASS IS MAINTAINED. AREAS SHALL BE FERTILIZED AND RESEEDED AS NEEDED. TEMPORARY STABILIZATION SHALL BE USED AS REQUIRED BY THE TOWN.
4. ALL TEMPORARY EROSION AND SEDIMENT MEASURES SHALL BE DISPOSED OF WITHIN THIRTY (30) DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED AND VEGETATION IS ESTABLISHED.

1. PERMANENT OR TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DENUDED AREAS WITHIN SEVEN DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE. TEMPORARY SOIL STABILIZATION SHALL BE APPLIED WITHIN SEVEN DAYS TO DENUDED AREAS THAT MAY NOT BE AT FINAL GRADE BUT WILL REMAIN DORMANT FOR LONGER THAN 30 DAYS. PERMANENT STABILIZATION SHALL BE APPLIED TO AREAS THAT ARE TO

17. WHERE CONSTRUCTION VEHICLE ACCESS ROUTES INTERSECT PAVED OR PUBLIC ROADS, PROVISIONS SHALL BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT BY VEHICULAR TRACKING ONTO THE PAVED SURFACE. WHERE SEDIMENT IS TRANSPORTED ONTO A PAVED OR PUBLIC ROAD SURFACE, THE ROAD SURFACE SHALL BE CLEANED THOROUGHLY AT THE END OF EACH DAY. SEDIMENT SHALL BE REMOVED FROM THE ROADS BY SHOVELING OR BLASTING, AND BE DISPOSED TO A SEDIMENT CONTROL DISTURBANCE AREA. STREET WASHING SHALL BE ALLOWED ONLY AFTER SEDIMENT IS REMOVED IN THIS MANNER. THIS PROVISION SHALL APPLY TO INDIVIDUAL DEVELOPMENT LOTS AS WELL AS TO LARGER LAND-DISTURBING ACTIVITIES.

18. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED, UNLESS OTHERWISE AUTHORIZED BY THE VESCP AUTHORITY. TRAPPED SEDIMENT AND THE DISTURBED SOIL AREAS RESULTING FROM THE DISPOSITION OF TEMPORARY MEASURES SHALL BE PERMANENTLY STABILIZED TO PREVENT FURTHER EROSION AND SEDIMENTATION.
19. PROPERTIES AND WATERWAYS DOWNSTREAM FROM DEVELOPMENT SITES SHALL BE PROTECTED FROM SEDIMENT DEPOSITION, EROSION AND DAMAGE DUE TO INCREASES IN FLOWING VELOCITY AND FLOODING DUE TO STORMWATER INFLOW FOR THE STATED FREQUENCY STORM OF 24-HOUR DURATION IN ACCORDANCE WITH THE FOLLOWING STANDARDS AND CRITERIA: STREAM RESTORATION AND RELOCATION PROJECTS THAT INCORPORATE NATURAL CHANNEL DESIGN CONCEPTS ARE NOT MAN-MADE CHANNELS AND SHALL BE EXEMPT FROM ANY FLOW RATE CAPACITY AND VELOCITY REQUIREMENTS FOR NATURAL OR MAN-MADE CHANNELS:

- ## GENERAL EROSION AND SEDIMENT CONTROL NOTES

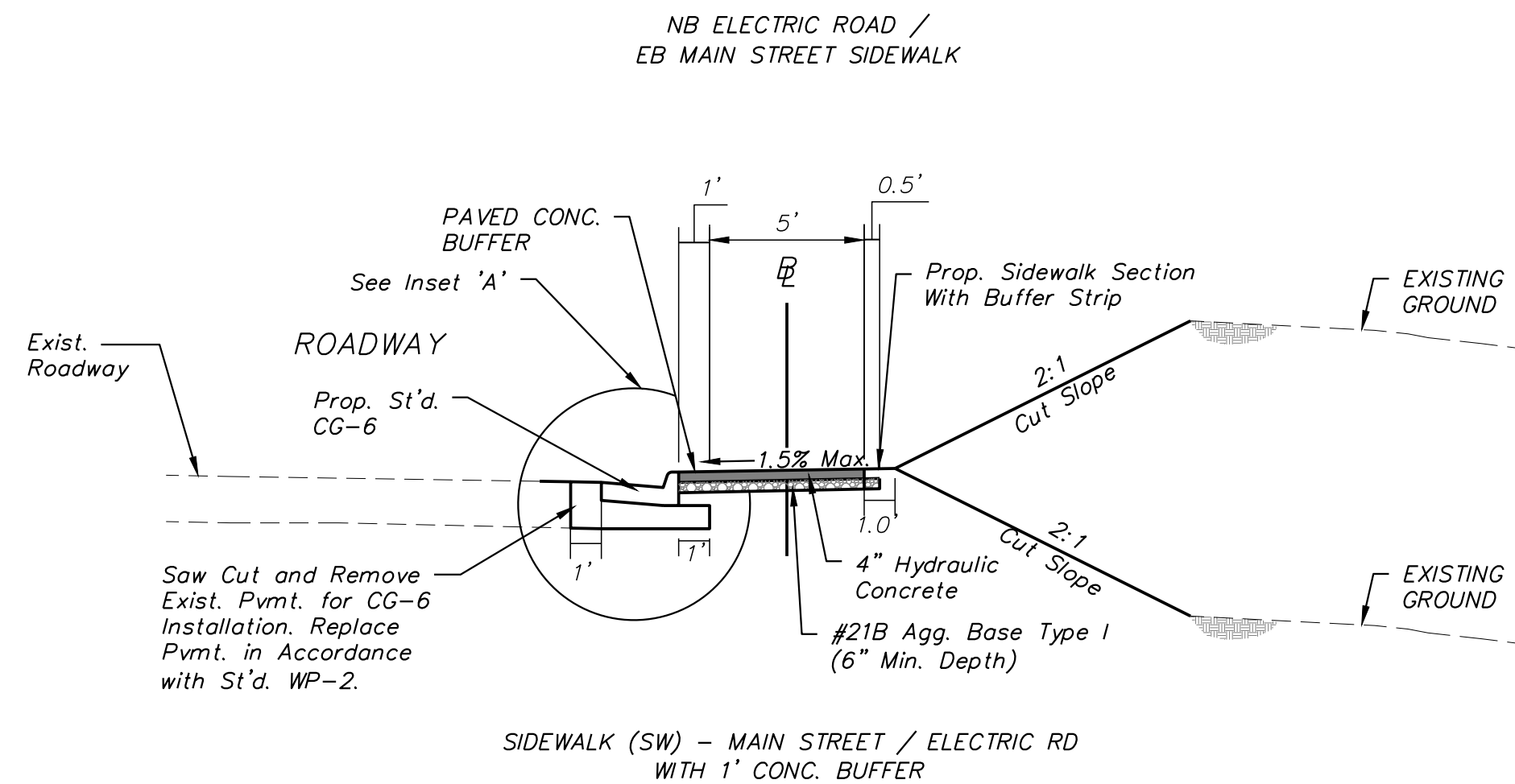
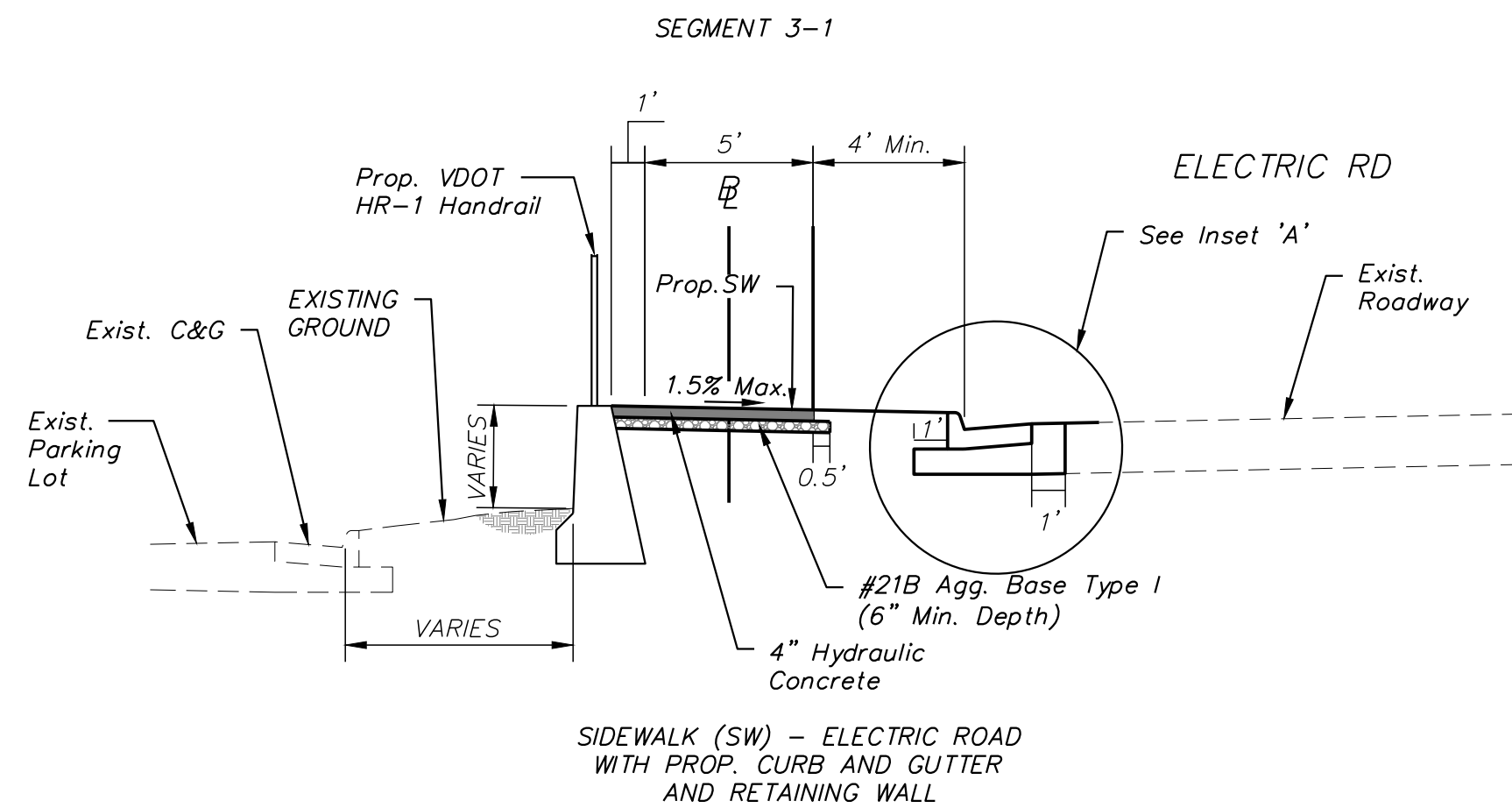
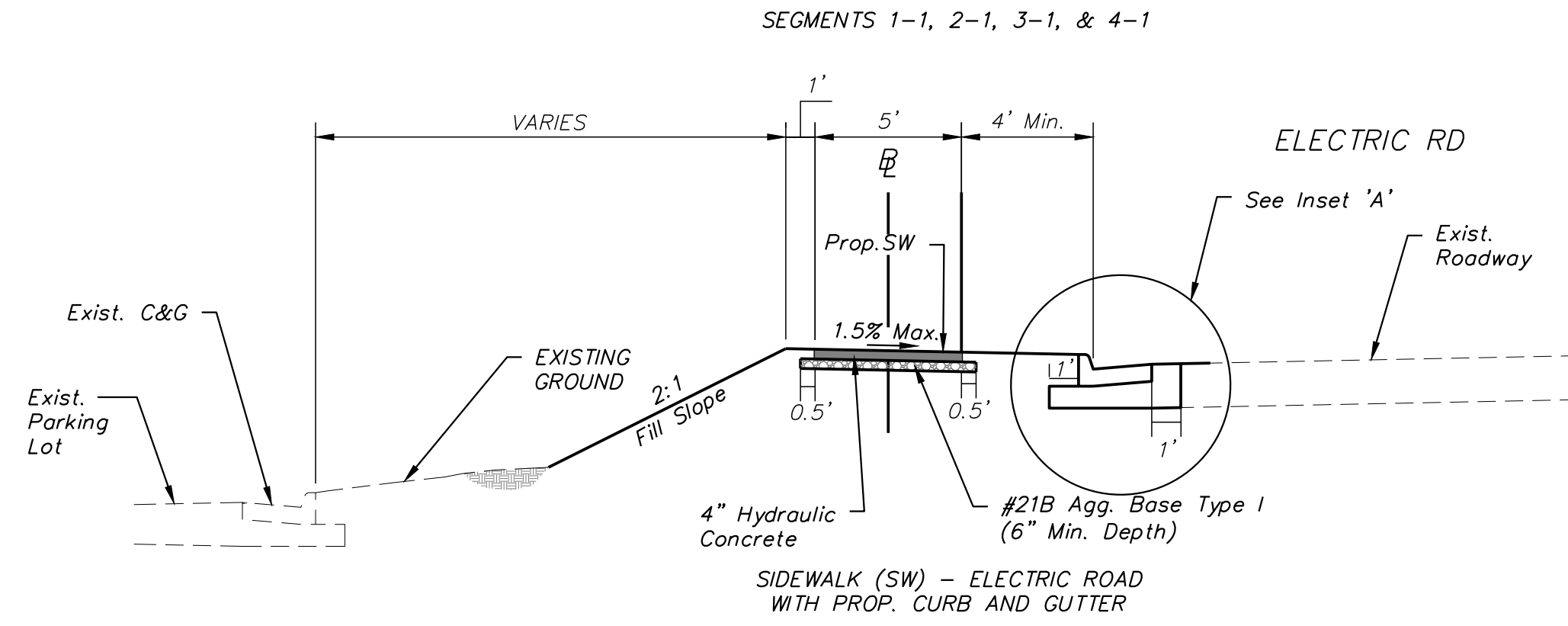
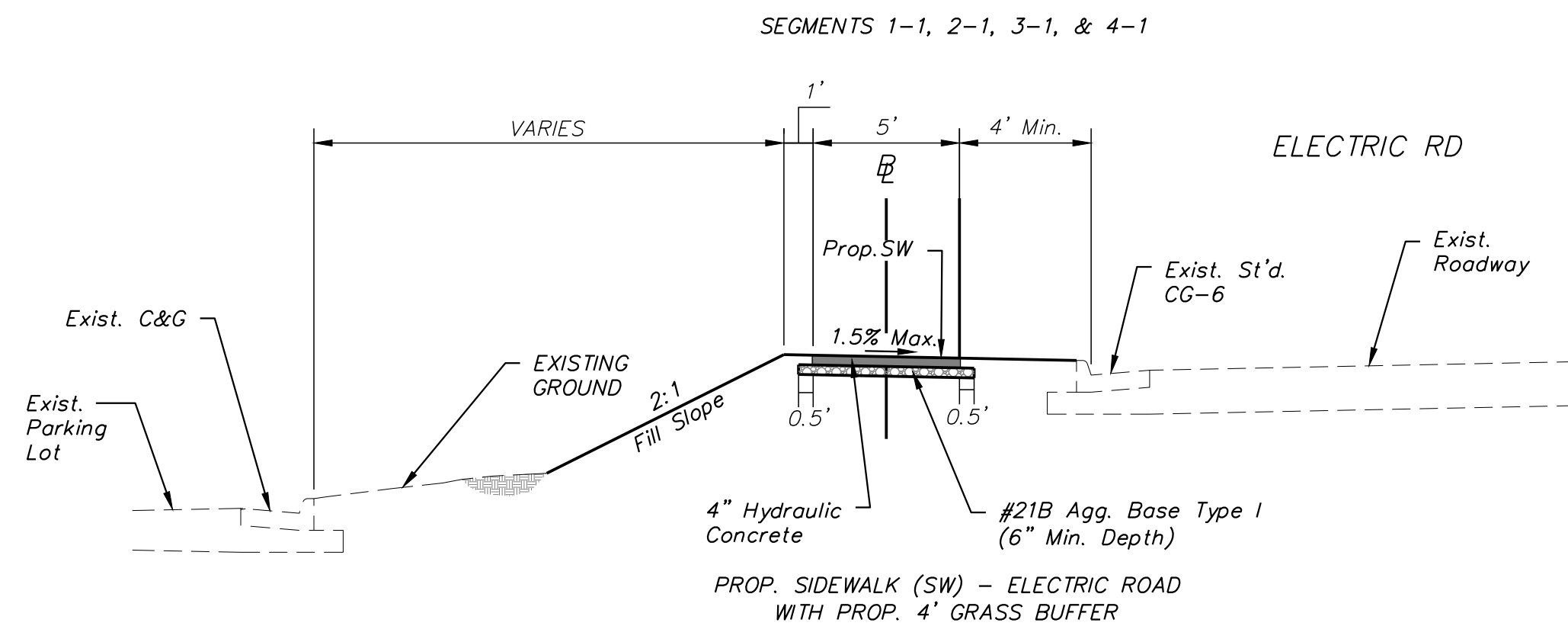
- FROM THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, THIRD EDITION, 1992.
- ES-1: UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED AND MAINTAINED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS OF THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK AND VIRGINIA REGULATIONS 4VAC50-50 EROSION AND SEDIMENT CONTROL REGULATIONS.
- ES-2: THE PLAN APPROVING AUTHORITY MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRE-CONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITY, AND ONE WEEK PRIOR TO THE FINAL INSPECTION.
- ES-3: ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO OR AS THE FIRST STEP IN CLEARING.

- GENERAL NOTES:

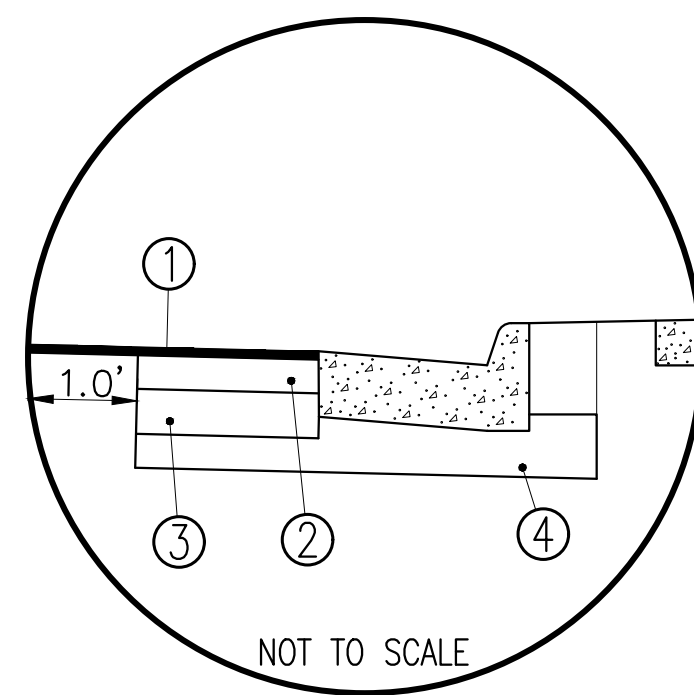
16. LIST OF KNOWN UTILITIES:
- SALEM CITY-ELECTRIC: (540) 375-3030 | abriele@salema.gov
 - COMCAST: (540) 795-9034 | scott_hardin@comcast.com
 - SALEM CITY-WATER & SEWER: (540) 375-3029 | irobinson@salema.gov
 - ROANOKE GAS: (540) 777-3801 | h_d_boiley@roanokegas.com
 - VERIZON: (540) 520-7536 cperry@vericel.co
 - LUMOS: (540) 591-5298 josh.friith@seagra.com

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INSET 'A'



1. 175 LB/SY ASPHALT CONCRETE SURFACE COURSE SM-9.5D
2. 235 LB/SY ASPHALT CONCRETE INTERMEDIATE COURSE IM-19.0A
3. 4" ASPHALT CONCRETE BASE COURSE BM-25.0D
4. 10" AGGREGATE BASE MATERIAL TYPE 1 NO. 21B (For Subbase)

CONSULTANTS



MASON CREEK
GREENWAY PHASE 3 -
419 MULTIMODAL
IMPROVEMENTS
STATE PROJECT NO.
0419-129-248
UPC 111367

CITY OF SALEM
21 S. BRUFFEY ST.
SALEM, VA 24153
PHONE: 540-375-3032

MARK	DATE	DESCRIPTION
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R.O.W. PLANS

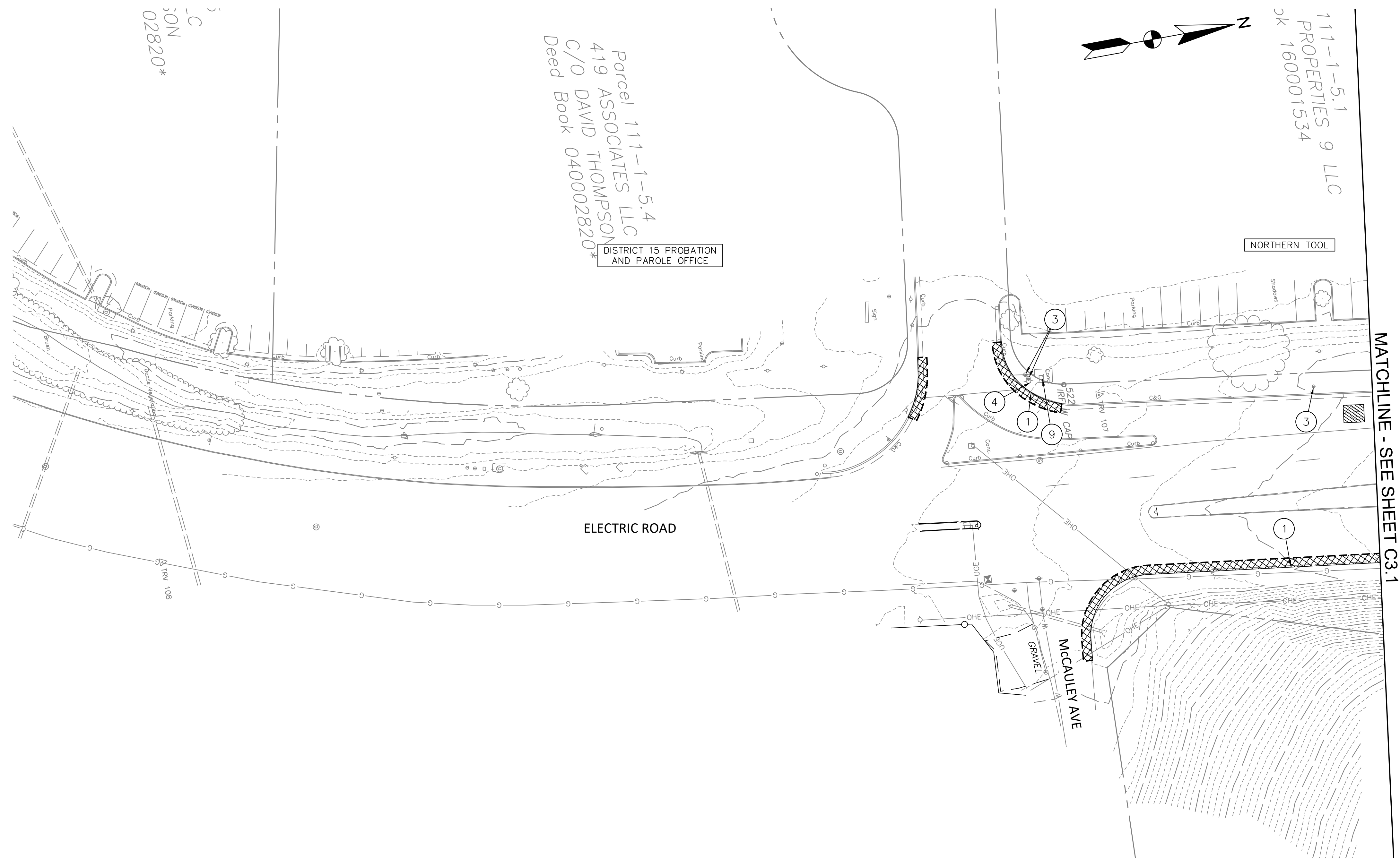
PROJECT NO:	21-0812.001
SCALE:	N/A
DESIGNED BY:	AMT
DRAWN BY:	AMT
CHECKED BY:	AMT

SHEET TITLE

TYPICAL SECTIONS

C2.1

SHEET 4 OF 48



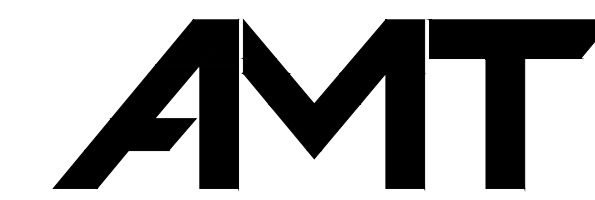
DEMOLITION LEGEND

- ① REMOVE EXISTING CURB AND GUTTER
- ② REMOVE EXISTING ASPHALT
- ③ ADJUST EXISTING WATER VALVE TO FINISHED GRADE
- ④ RELOCATE EXISTING FIRE HYDRANT
- ⑤ EXISTING TREE TO BE REMOVED
- ⑥ REMOVE CONCRETE MEDIAN
- ⑦ RELOCATE EXISTING LIGHT POLE
- ⑧ RELOCATE EXISTING SIGN
- ⑨ ADJUST/RELOCATE EXISTING UTILITY
- ⑩ EXISTING STORM DRAIN (TO REMAIN)
- ⑪ REMOVE EXISTING STORM DRAIN
- ⑫ RELOCATE EXISTING MAILBOX

--- DENOTES SAW CUT LINE

 EXISTING ASPHALT/CONCRETE
TO BE REMOVED

ERADICATE EXISTING
PAVEMENT MARKING



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CITY OF SALEM

21 S. BRUFFEY ST.
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PHONE: 540-375-303

[illegible]

MARK	DATE	DESCRIPTION
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R.O.W. PLANS

PROJECT NO:	21-0812.001
SCALE:	1"=30'
DESIGNED BY:	AMT
DRAWN BY:	AMT
CHECKED BY:	AMT

SHEET TITLE

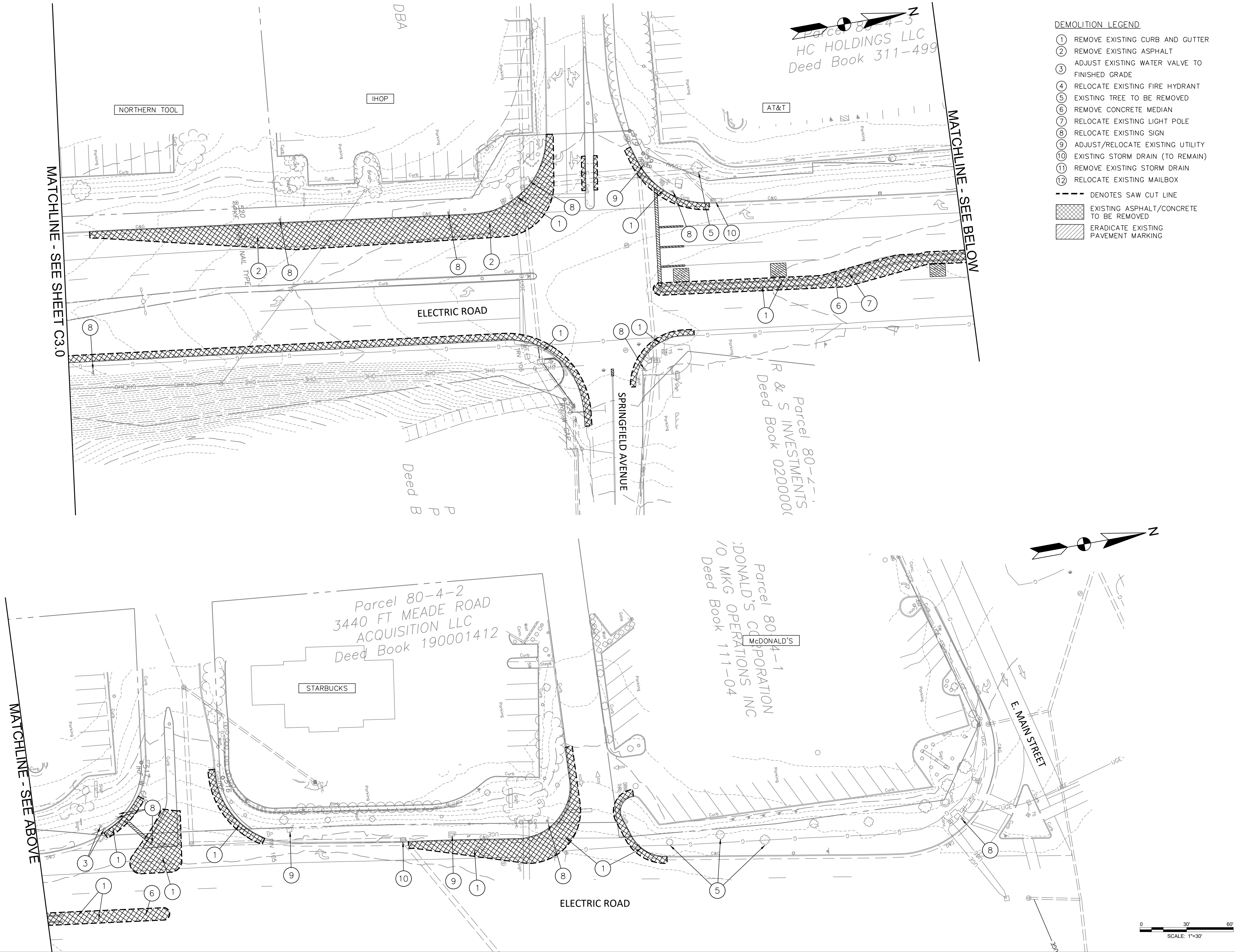
EXIST. COND. &
DEMOLITION PLAN

C3.0

SHEET 5 OF 48



X:\LEBANON\21-0812.001 - CITY OF SALEM PH 3 MASON CREEK GREENWAY\05-CAD\C3.0-CD01-21-0812001.DWG, 5/23/2025 4:21 PM, WMCCARTT



- DEMOLITION LEGEND
- ① REMOVE EXISTING CURB AND GUTTER
 - ② REMOVE EXISTING ASPHALT
 - ③ ADJUST EXISTING WATER VALVE TO FINISHED GRADE
 - ④ RELOCATE EXISTING FIRE HYDRANT
 - ⑤ EXISTING TREE TO BE REMOVED
 - ⑥ REMOVE CONCRETE MEDIAN
 - ⑦ RELOCATE EXISTING LIGHT POLE
 - ⑧ RELOCATE EXISTING SIGN
 - ⑨ ADJUST/RELOCATE EXISTING UTILITY
 - ⑩ EXISTING STORM DRAIN (TO REMAIN)
 - ⑪ REMOVE EXISTING STORM DRAIN
 - ⑫ RELOCATE EXISTING MAILBOX
- DENOTES SAW CUT LINE
- [Cross-hatched box] EXISTING ASPHALT/CONCRETE TO BE REMOVED
 - [Diagonal hatched box] ERADICATE EXISTING PAVEMENT MARKING

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R.O.W. PLANS

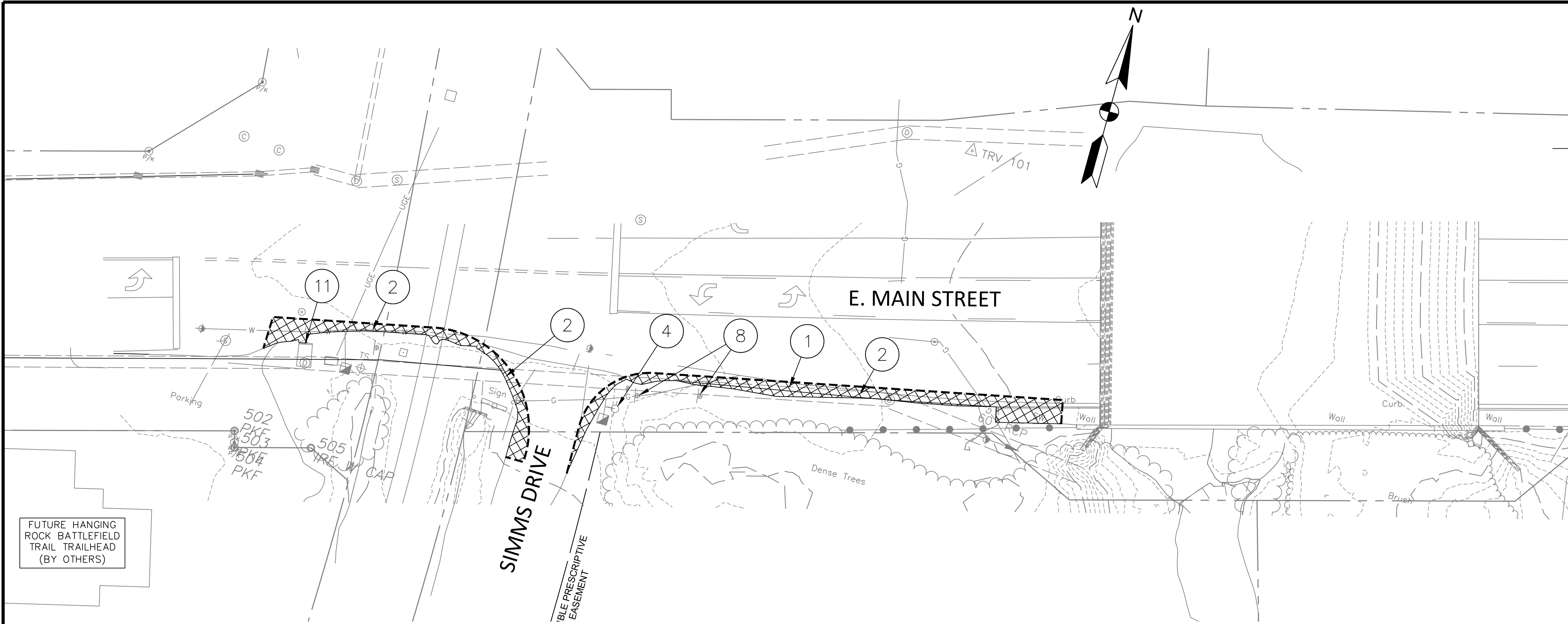
PROJECT NO:	21-0812.001
SCALE:	1"=30'
DESIGNED BY:	AMT
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SHEET TITLE

EXIST. COND. &
DEMOLITION PLAN

C3.1

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MATCHLINE - SEE BELOW

DEMOLITION LEGEND

- 1 REMOVE EXISTING CURB AND GUTTER
- 2 REMOVE EXISTING ASPHALT
- 3 ADJUST EXISTING WATER VALVE TO FINISHED GRADE
- 4 RELOCATE EXISTING FIRE HYDRANT
- 5 EXISTING TREE TO BE REMOVED
- 6 REMOVE CONCRETE MEDIAN
- 7 RELOCATE EXISTING LIGHT POLE
- 8 RELOCATE EXISTING SIGN
- 9 ADJUST/RELOCATE EXISTING UTILITY
- 10 EXISTING STORM DRAIN (TO REMAIN)
- 11 REMOVE EXISTING STORM DRAIN
- 12 RELOCATE EXISTING MAILBOX

--- DENOTES SAW CUT LINE

EXISTING ASPHALT/CONCRETE TO BE REMOVED

ERADICATE EXISTING PAVEMENT MARKING



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CONSULTANTS

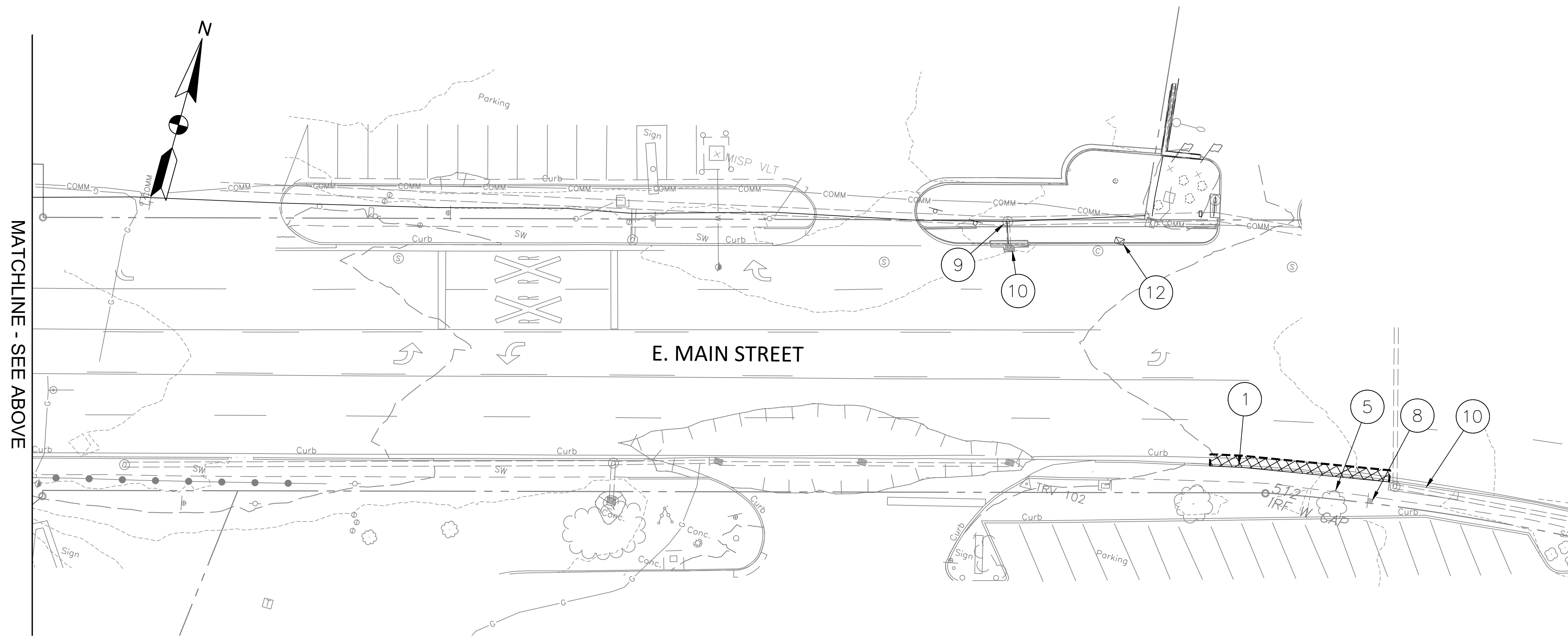


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MATCHLINE - SEE ABOVE

0 10' 20' 40'
SCALE: 1"=20'

MARK	DATE	DESCRIPTION
------	------	-------------

R.O.W. PLANS

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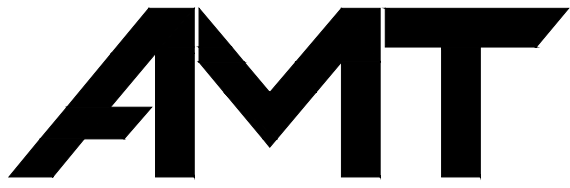
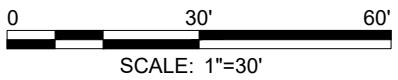
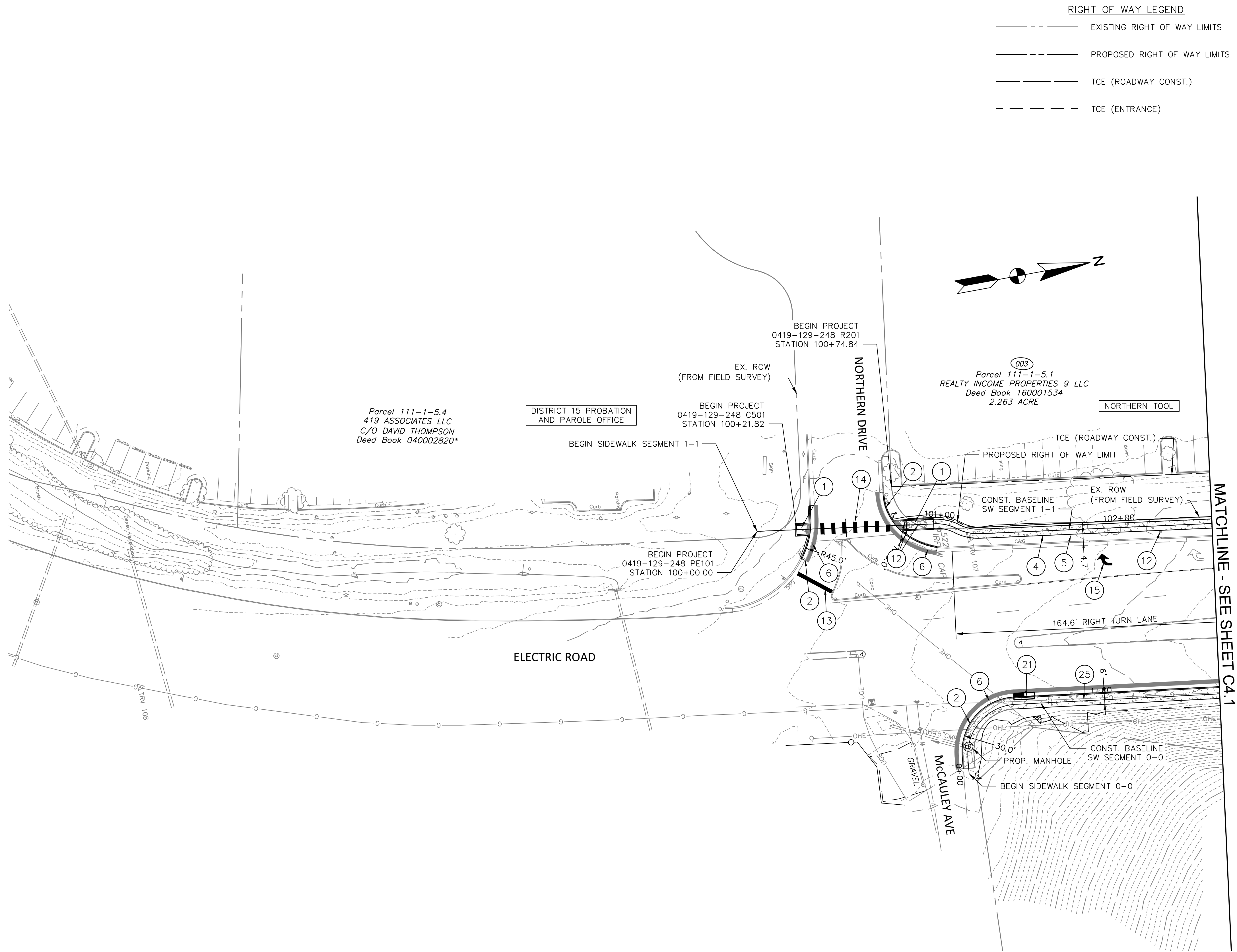
SHEET TITLE

EXIST. COND. &
DEMOLITION PLAN

C3.2

SHEET 7 OF 48

X:\LEBANON\21-0812.001 - CITY OF SALEM PH 3 MASON CREEK GREENWAY\05-C4.DWG, 6/27/2025 1:19 PM, WMCCARTT



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R.O.W. PLANS

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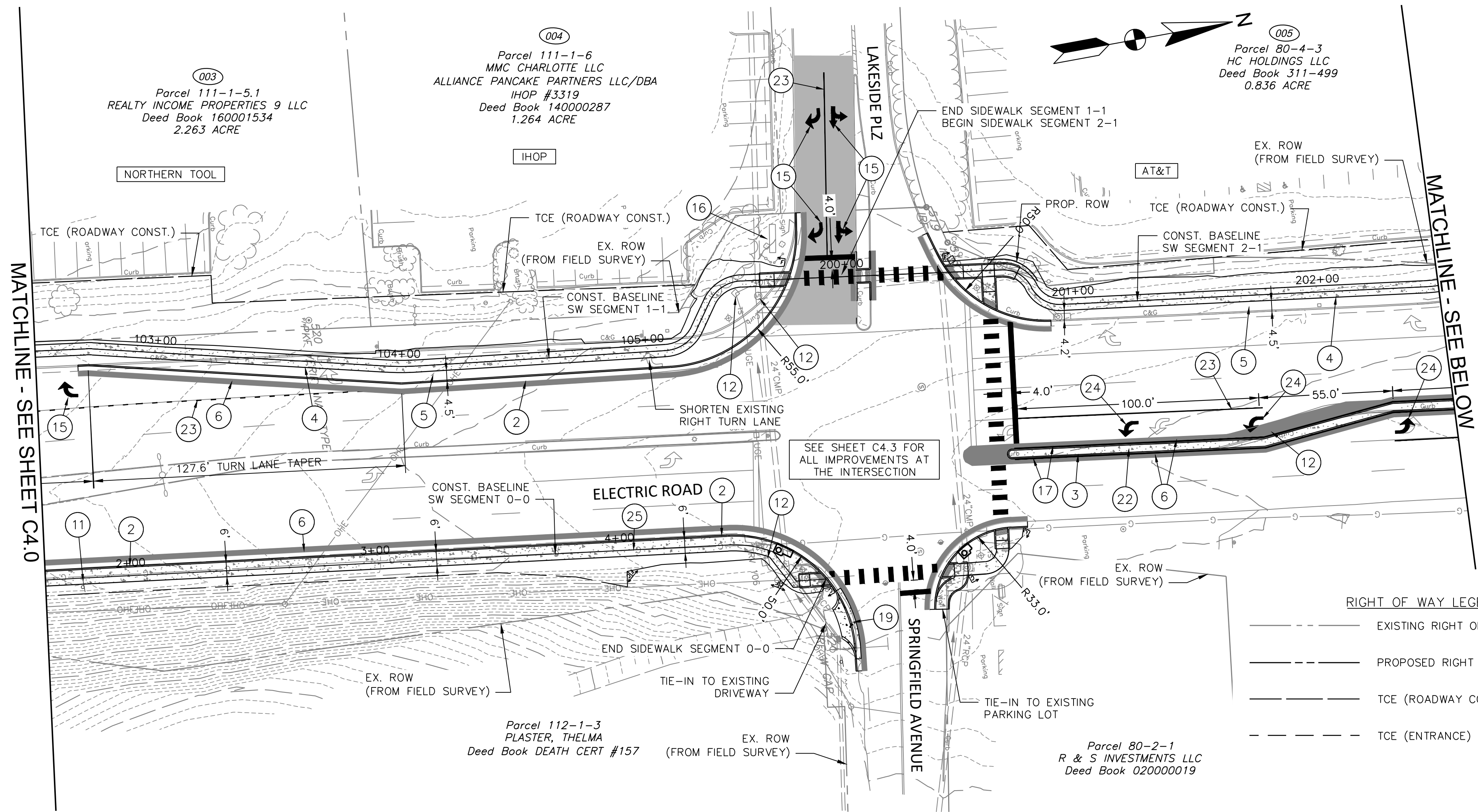
SHEET TITLE

SIDEWALK LAYOUT PLAN

C4.0

SHEET 8 OF 48

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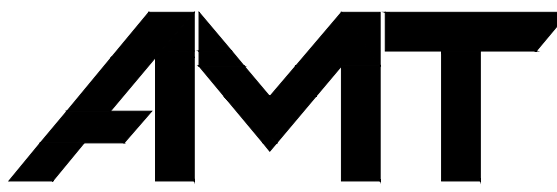
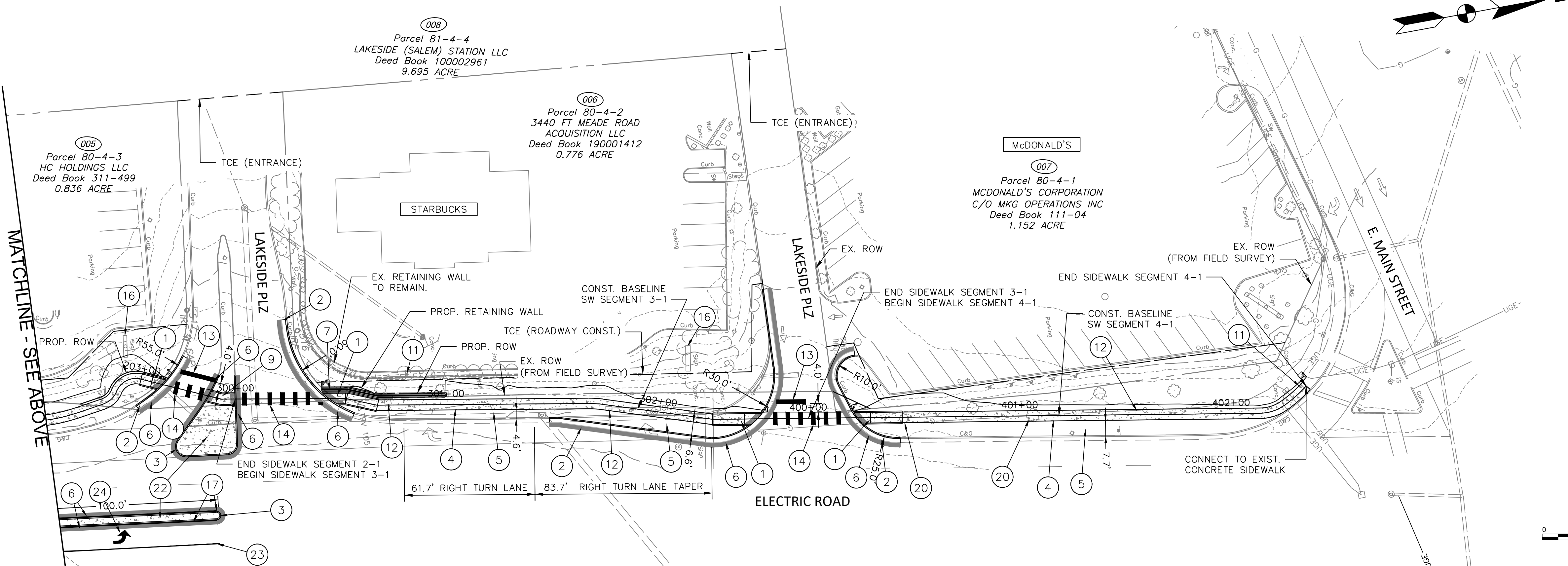
LAYOUT PLAN KEY

- ① CG-12 DETECTABLE WARNING SURFACE (TYPE B)
- ② COMBINATION 6" CURB AND GUTTER (CG-6)
- ③ STD. 6" CURB (CG-2)
- ④ 5' WIDE CONCRETE SIDEWALK
- ⑤ GRASS BUFFER STRIP. SEE PLAN FOR WIDTH TO FACE OF CURB.
- ⑥ FULL DEPTH ASPHALT PAVEMENT
- ⑦ HR-1 TYPE II PEDESTRIAN RAILING
- ⑧ MEDIAN W/CUT-THROUGH (TYPE M2)
- ⑨ REFUGE ISLAND W/RAMPS (TYPE R12)
- ⑩ BUS STOP
- ⑪ RELOCATE EXIST. SIGN
- ⑫ EXIST. UTILITY TO BE COORDINATED & ADJUSTED/RELOCATED AS NECESSARY
- ⑬ 24" WIDE STOP BAR (TY B CL II)
- ⑭ LONGITUDINAL CROSSWALK (TY B CL II)
- ⑮ PAINTED DIRECTIONAL ARROW (TY B CL II)
- ⑯ EXISTING SIGN TO REMAIN (DO NOT DISTURB)
- ⑰ 4" WIDE YELLOW EDGE LINE (TY B CL I)
- ⑱ 24" SOLID YELLOW DIAGONAL LINES AT 45 DEGREE ANGLE (TY B CL II)
- ⑲ CG-9D ENTRANCE GUTTER
- ⑳ REMOVE AND REPLACE TREE
- ㉑ PROPOSED DROP INLET
- ㉒ 3' CONCRETE MEDIAN
- ㉓ 4" WIDE WHITE EDGE LINE (TY B CL I)
- ㉔ LEFT TURN ARROW (TY B CL II)
- ㉕ 5' SIDEWALK WITH 1' CONC. BUFFER
- ㉖ STANDARD 4" CURB (CG-3)

RIGHT OF WAY LEGEND

- EXISTING RIGHT OF WAY LIMITS
- PROPOSED RIGHT OF WAY LIMITS
- TCE (ROADWAY CONST.)
- TCE (ENTRANCE)

FULL DEPTH ASPHALT



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PHONE: 703-569-6861
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MASON CREEK
GREENWAY PHASE 3 -
419 MULTIMODAL
IMPROVEMENTS
STATE PROJECT NO.
0419-129-248
UPC 111367

CITY OF SALEM
21 S. BRUFFEY ST.
SALEM, VA 24153
PHONE: 540-375-3032

MARK	DATE	DESCRIPTION
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R.O.W. PLANS

PROJECT NO:	21-0812.001
SCALE:	1"=30'
DESIGNED BY:	AMT
DRAWN BY:	AMT
CHECKED BY:	AMT

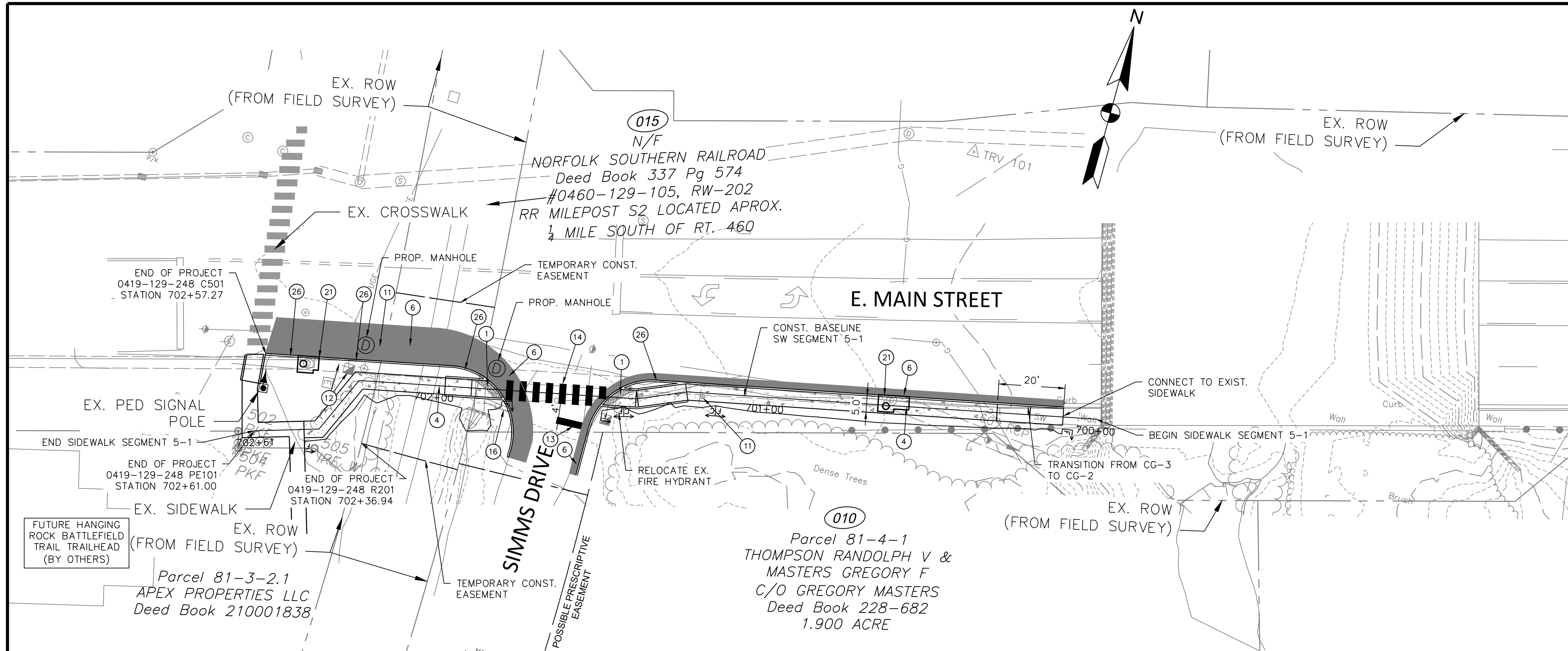
SHEET TITLE

SIDEWALK LAYOUT PLAN

C4.1

SHEET 9 OF 48

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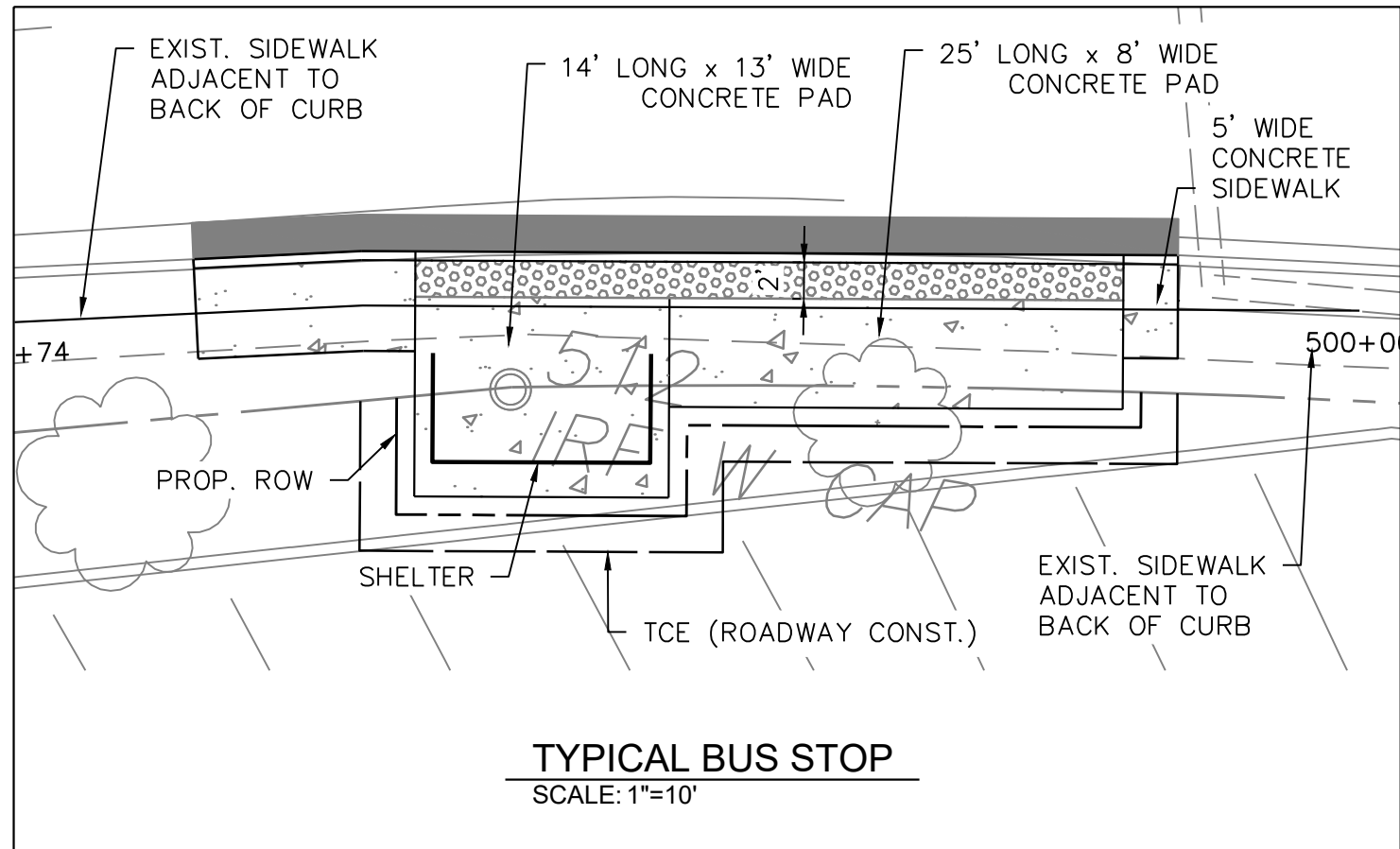


MATCHLINE - SEE BELOW

LAYOUT PLAN KEY

- CG-12 DETECTABLE WARNING SURFACE (TYPE B)
- COMBINATION 6" CURB AND GUTTER (CG-6)
- STD. 6" CURB (CG-2)
- 5' WIDE CONCRETE SIDEWALK
- GRASS BUFFER STRIP. SEE PLAN FOR WIDTH TO FACE OF CURB.
- FULL DEPTH ASPHALT PAVEMENT
- HR-1 TYPE II PEDESTRIAN RAILING
- MEDIAN W/CUT-THROUGH (TYPE M2)
- REFUGE ISLAND W/RAMPS (TYPE R12)
- BUS STOP
- RELOCATE EXIST. SIGN
- EXIST. UTILITY TO BE COORDINATED & ADJUSTED/RELOCATED AS NECESSARY
- 24" WIDE STOP BAR (TY B CL II)
- LONGITUDINAL CROSSWALK (TY B CL II)
- PAINTED DIRECTIONAL ARROW (TY B CL II)
- EXISTING SIGN TO REMAIN (DO NOT DISTURB)
- 4" WIDE YELLOW EDGE LINE (TY B CL I)
- 24" SOLID YELLOW DIAGONAL LINES AT 45 DEGREE ANGLE (TY B CL II)
- CG-9D ENTRANCE GUTTER
- REMOVE AND REPLACE TREE
- PROPOSED DROP INLET
- 3' CONCRETE MEDIAN
- 4" WIDE WHITE EDGE LINE (TY B CL I)
- LEFT TURN ARROW (TY B CL II)
- 5' SIDEWALK WITH 1' CONC. BUFFER
- STANDARD 4" CURB (CG-3)

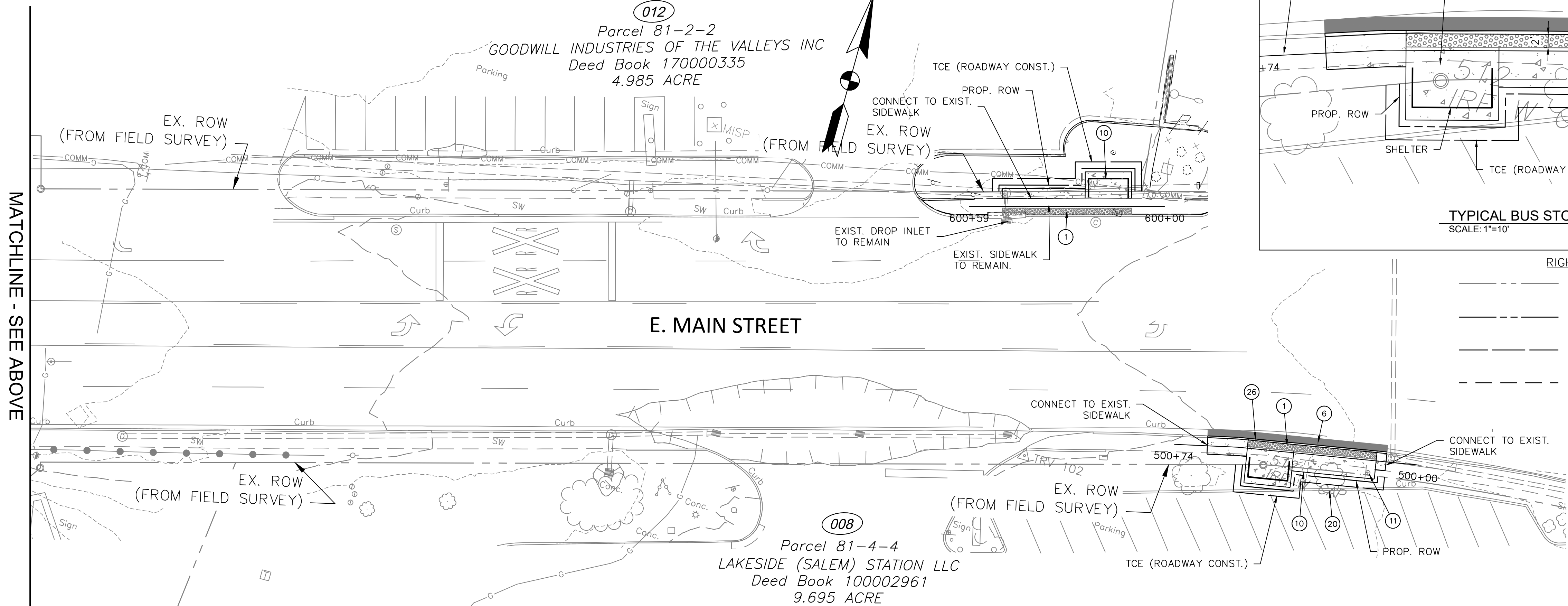
FULL DEPTH ASPHALT



TYPICAL BUS STOP
SCALE: 1"=10'

RIGHT OF WAY LEGEND

- EXISTING RIGHT OF WAY LIMITS
- PROPOSED RIGHT OF WAY LIMITS
- TCE (ROADWAY CONST.)
- TCE (ENTRANCE)



MATCHLINE - SEE ABOVE



MASON CREEK
GREENWAY PHASE 3 -
419 MULTIMODAL
IMPROVEMENTS
STATE PROJECT NO.
0419-129-248
UPC 111367

CITY OF SALEM
21 S. BRUFFEY ST.
SALEM, VA 24153
PHONE: 540-375-3032

MARK DATE DESCRIPTION

R.O.W. PLANS

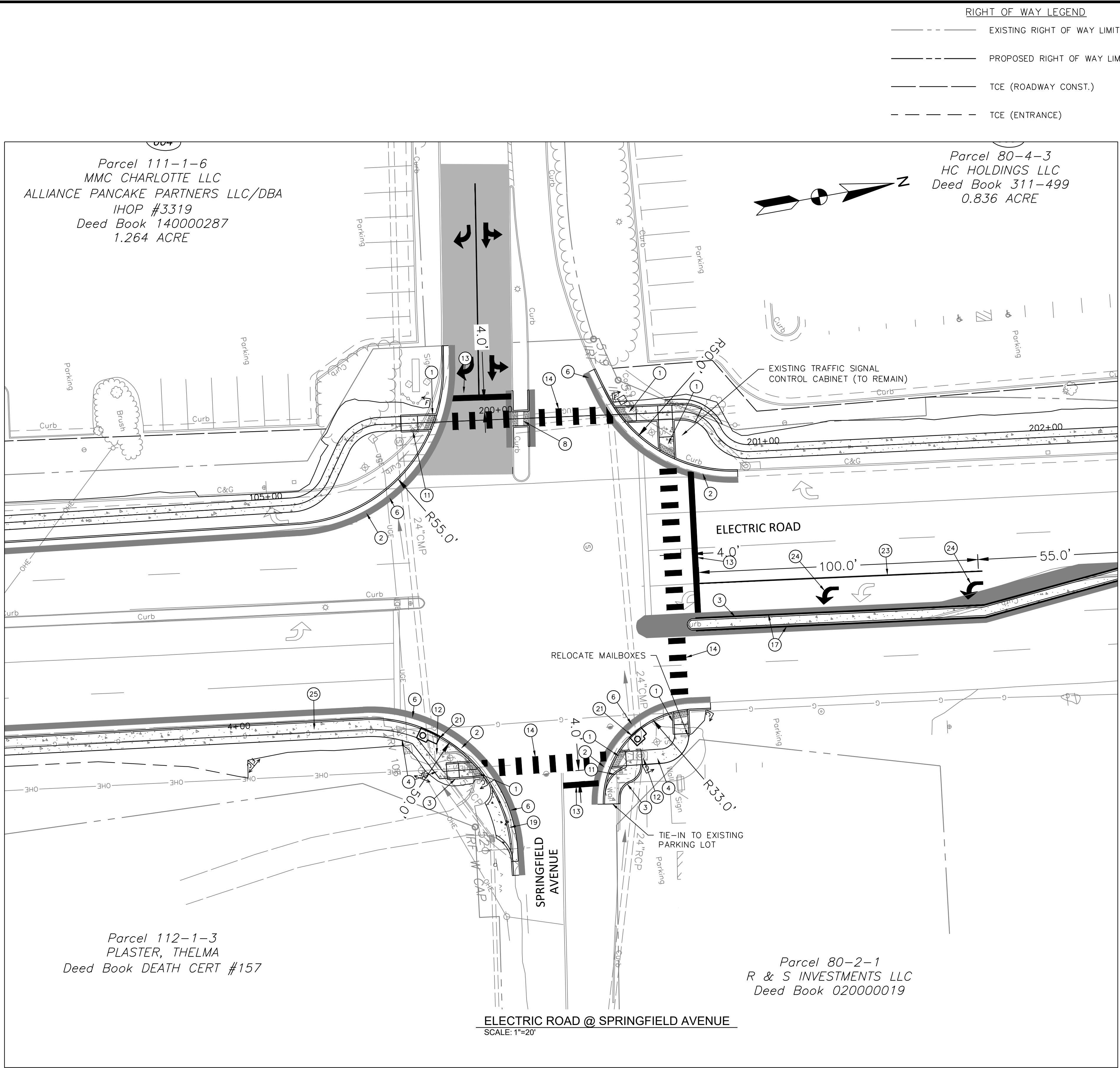
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SCALE: 1"=20'
DESIGNED BY: AMT
DRAWN BY: AMT
CHECKED BY: AMT
SHEET TITLE

E. MAIN ST. SIDEWALK
LAYOUT PLAN

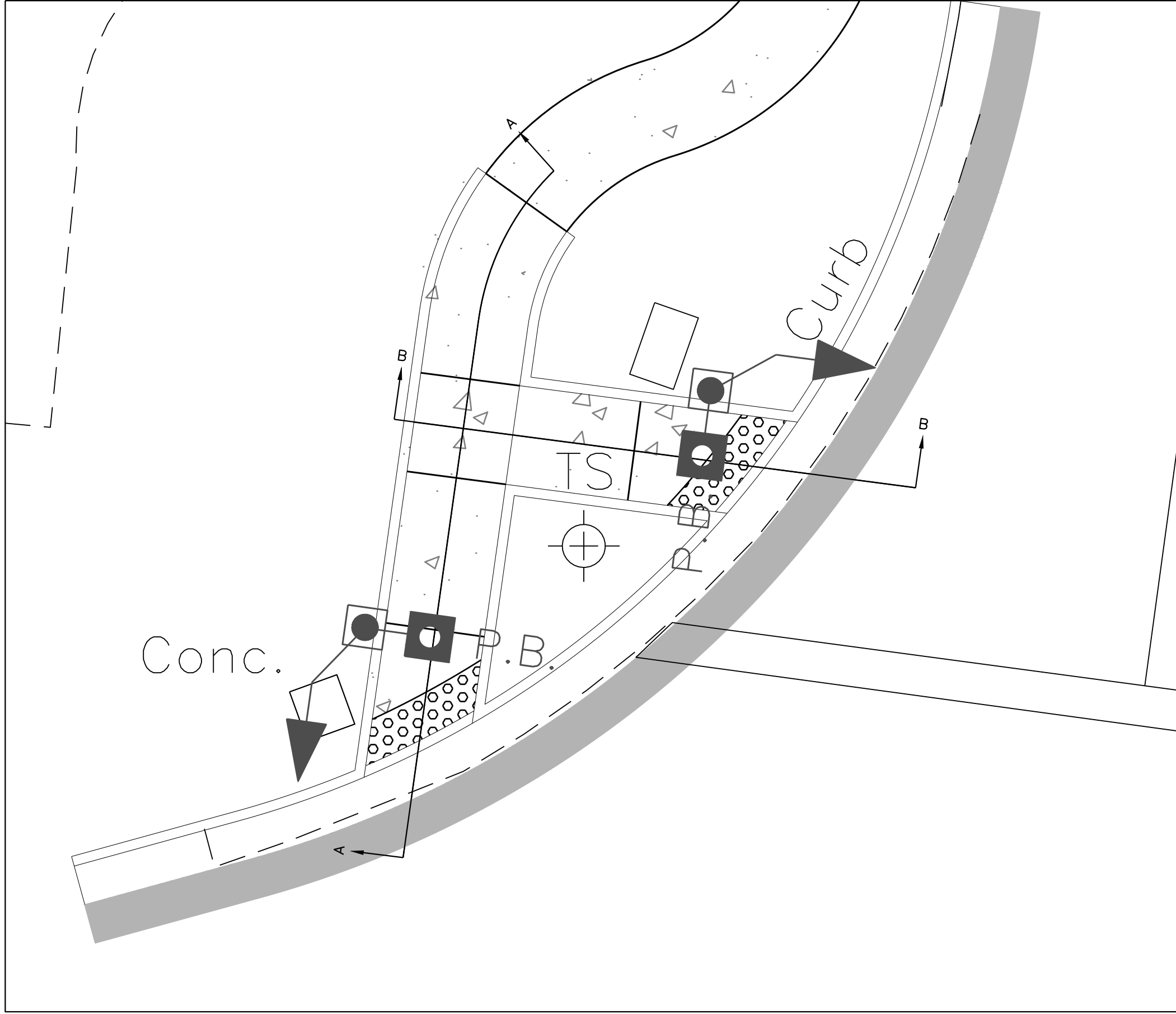
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SHEET 10 OF 48

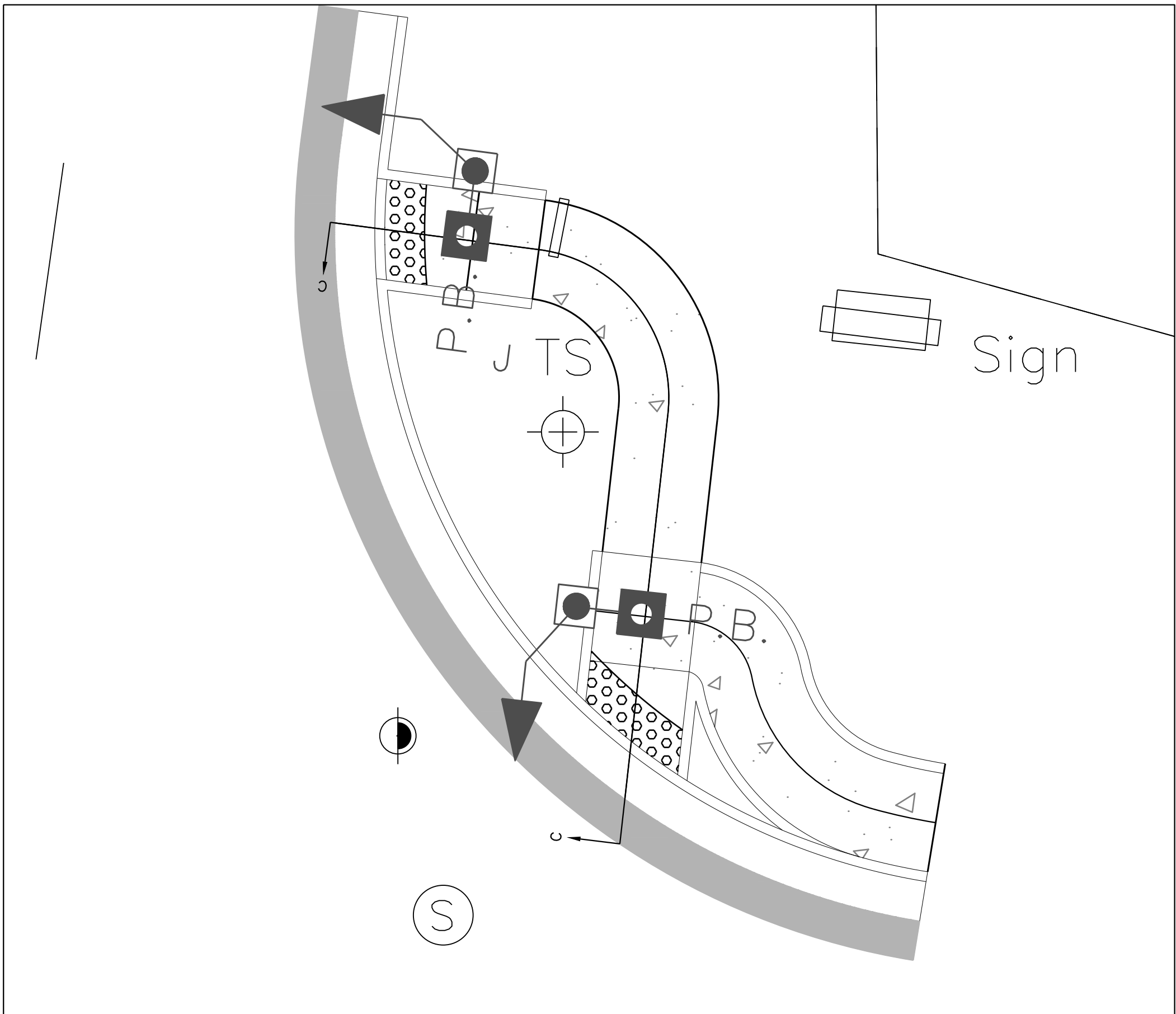
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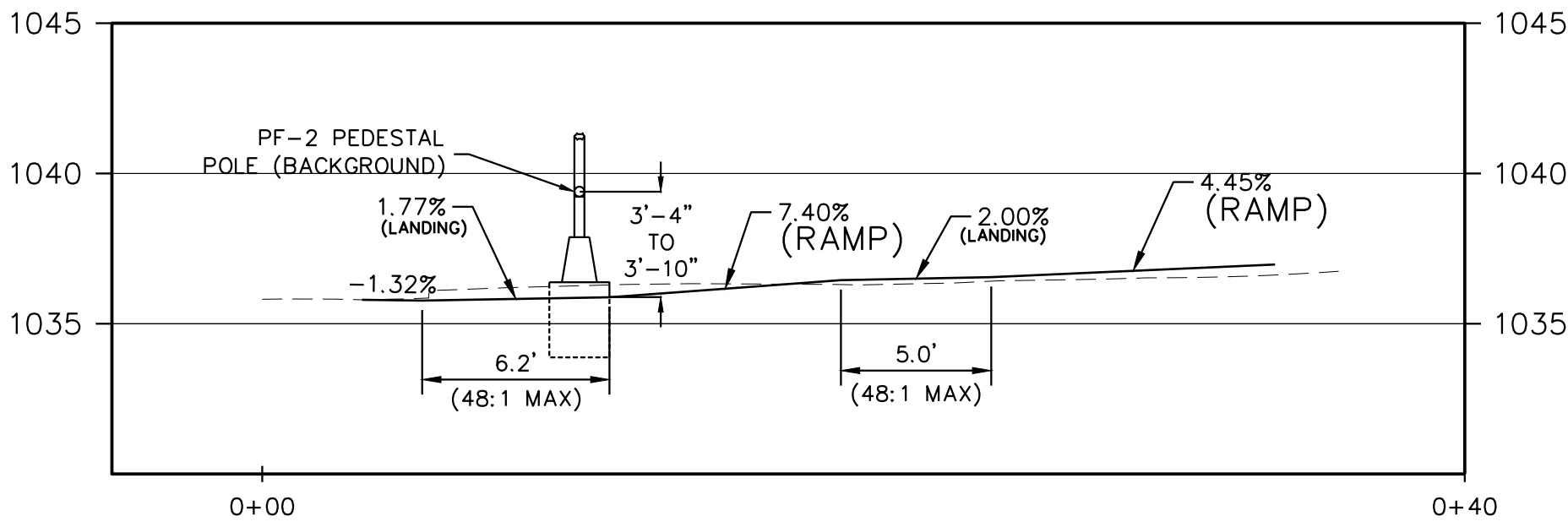
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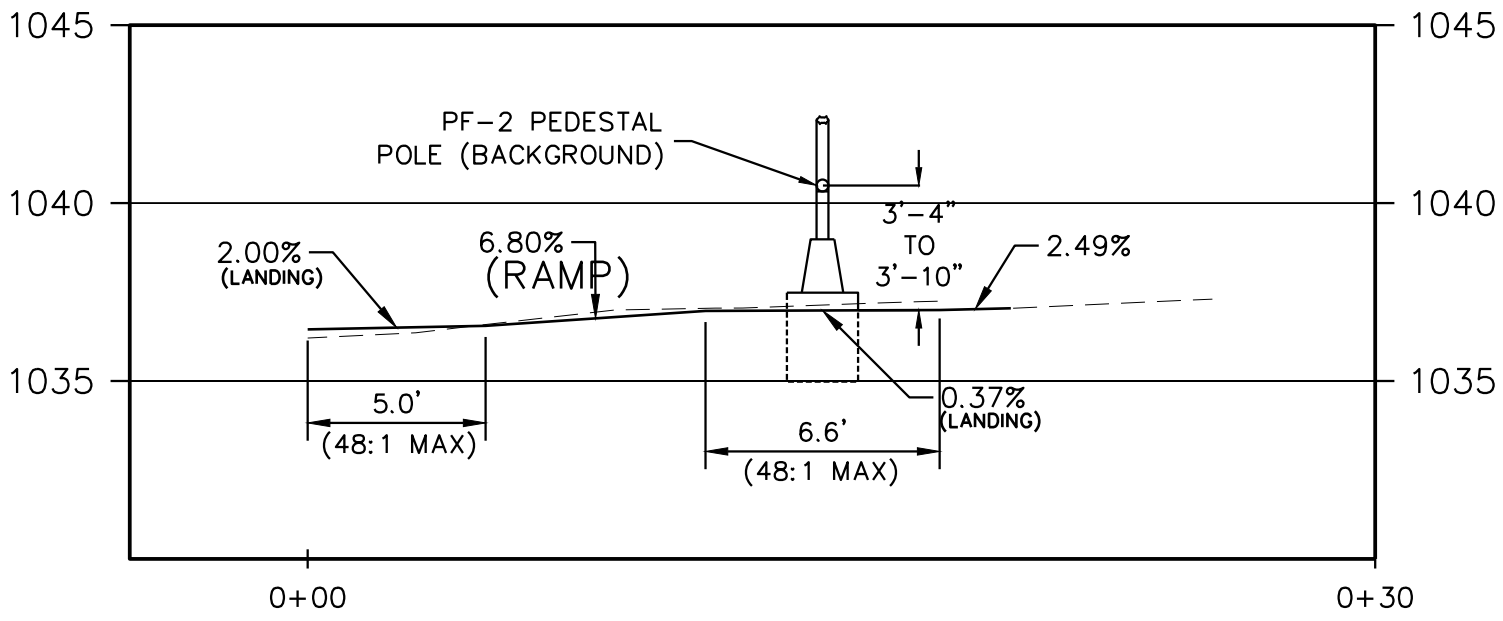
RAMP SECTIONS A-A, B-B
SCALE: 1"=5'



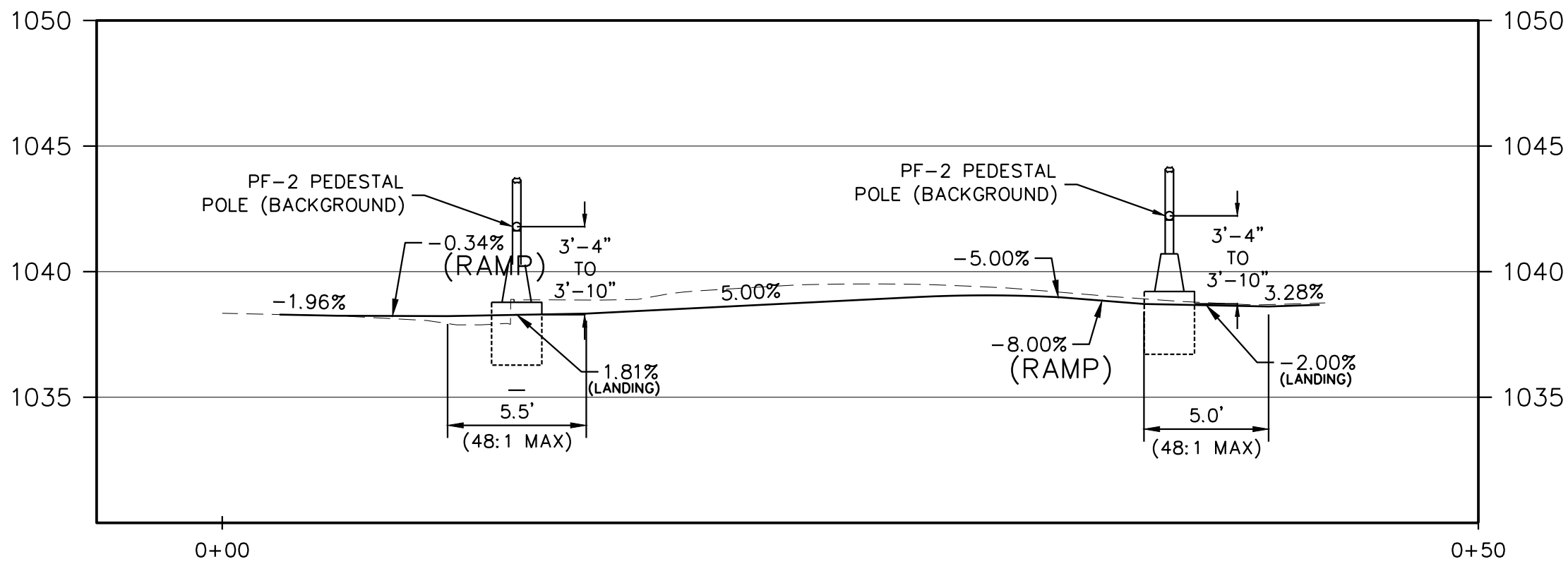
RAMP SECTION C-C
SCALE: 1"=5'



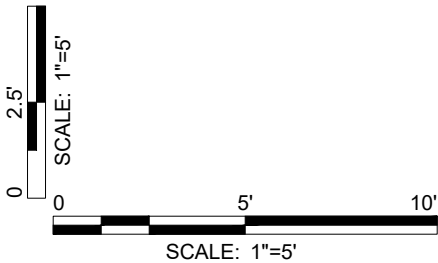
CURB RAMP AA
SCALE: HORZ 1"=5'
VERT 1"=5'



CURB RAMP BB
SCALE: HORZ 1"=5'
VERT 1"=5'



CURB RAMP CC
SCALE: HORZ 1"=5'
VERT 1"=5'



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MASON CREEK
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STATE PROJECT NO.
0419-129-248
UPC 111367

CITY OF SALEM
21 S. BRUFFEY ST.
SALEM, VA 24153
PHONE: 540-375-3032

MARK	DATE	DESCRIPTION
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R.O.W. PLANS

PROJECT NO:	21-0812.001
SCALE:	AS SHOWN
DESIGNED BY:	AMT
DRAWN BY:	AMT
CHECKED BY:	AMT

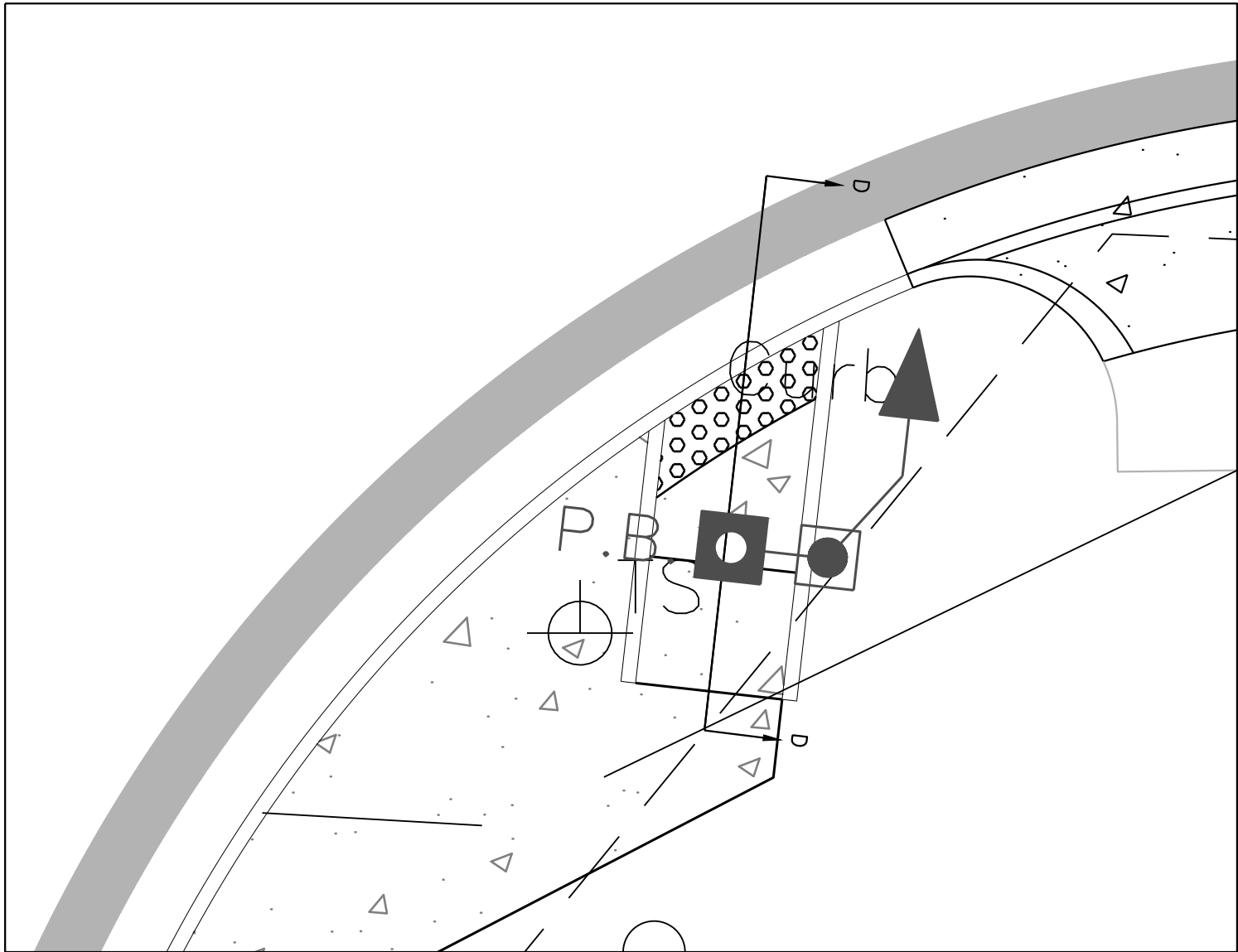
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SIDEWALK RAMP
PROFILES

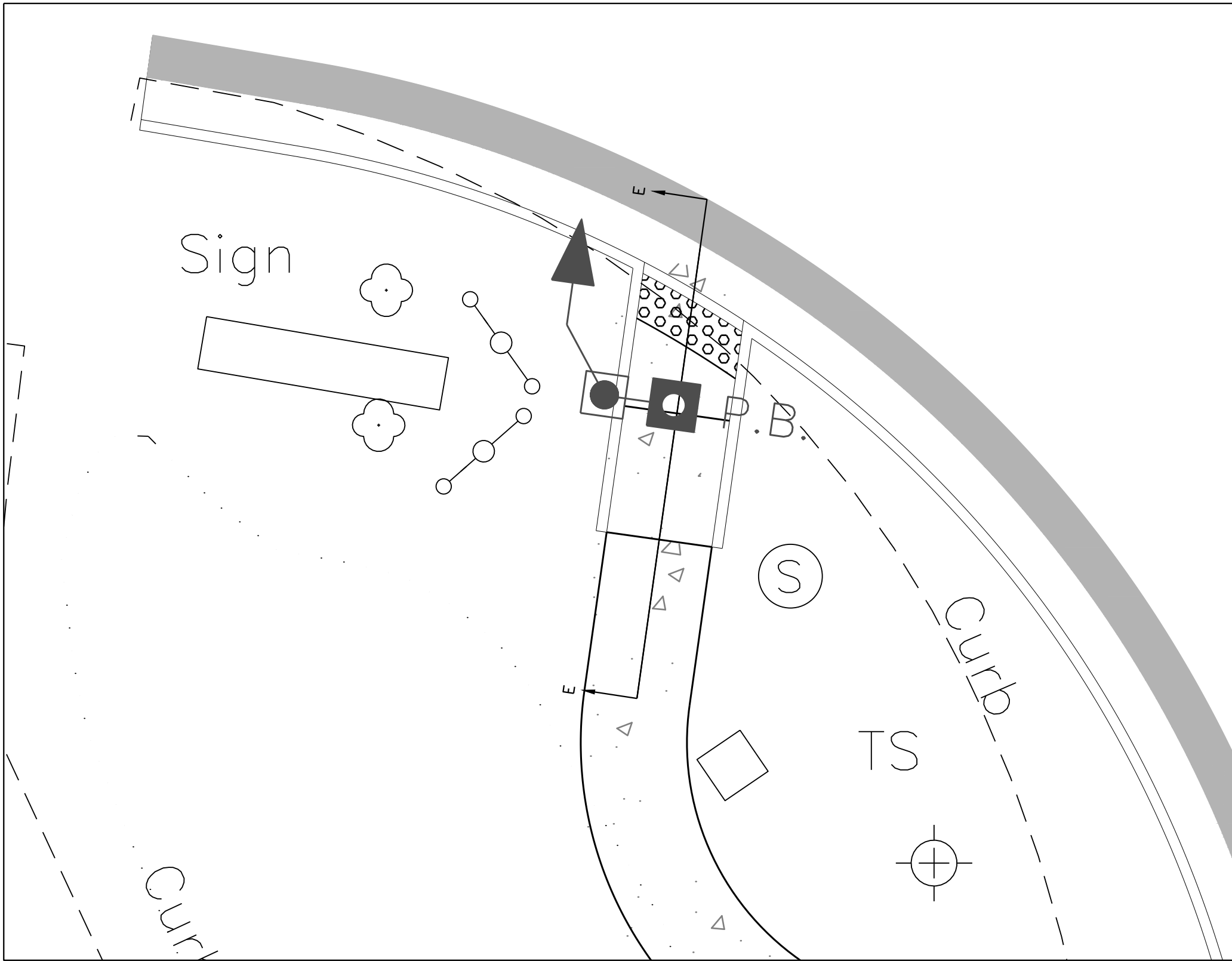
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SHEET 12 OF 48

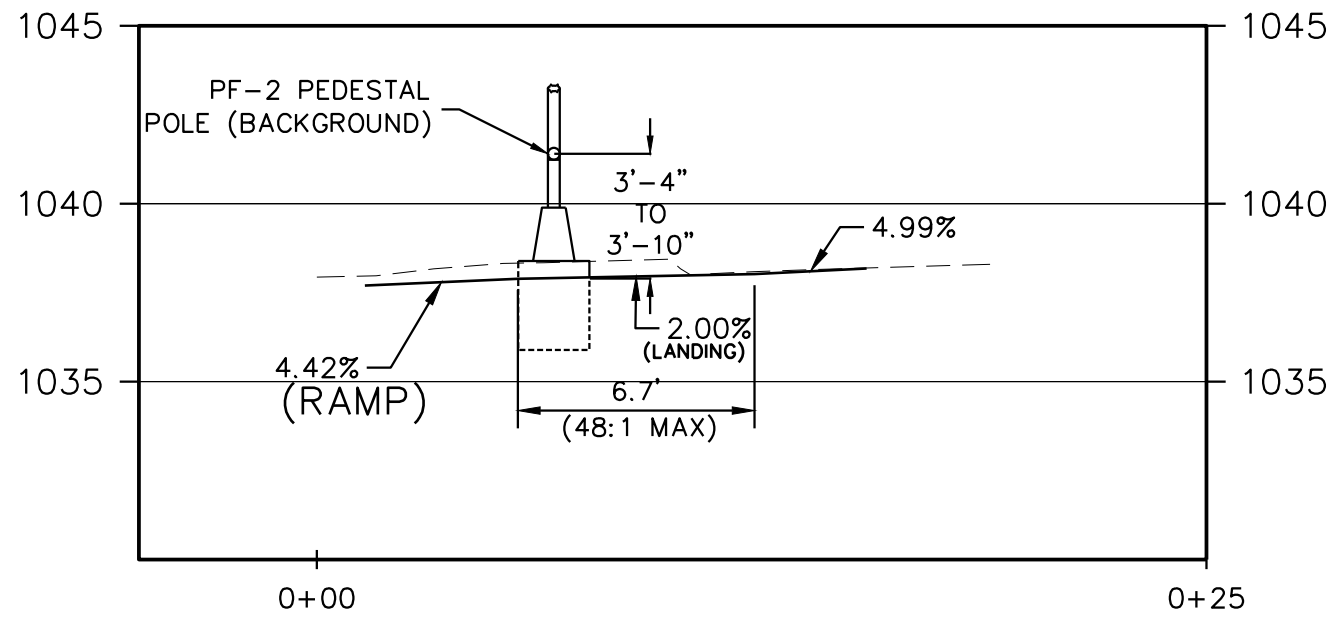
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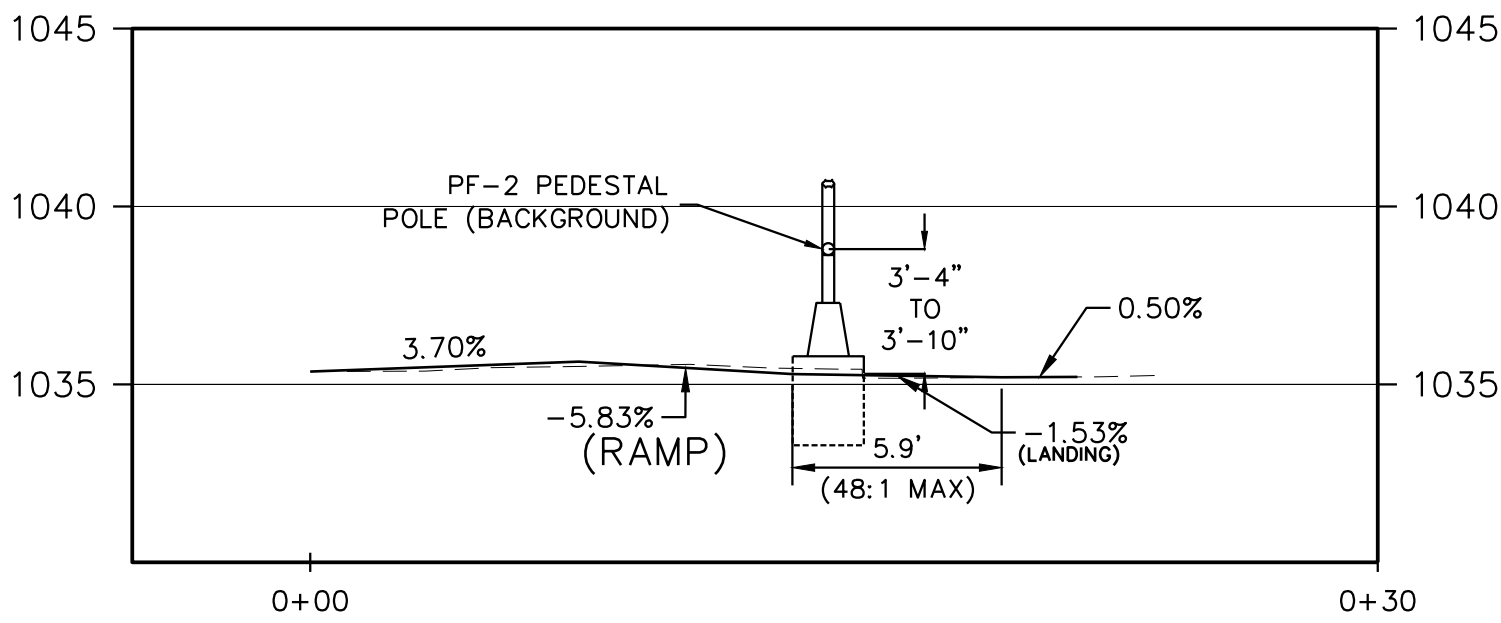
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SCALE: 1"=5'



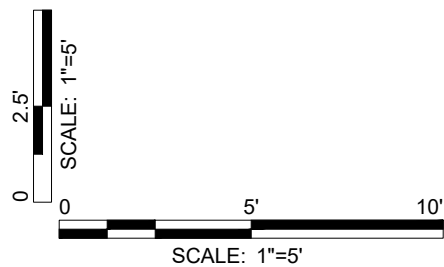
RAMP SECTION E-E
SCALE: 1"=5'



CURB RAMP DD
SCALE: HORZ 1"=5'
VERT 1"=5'



CURB RAMP EE
SCALE: HORZ 1"=5'
VERT 1"=5'



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MASON CREEK
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419 MULTIMODAL
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STATE PROJECT NO.
0419-129-248
UPC 111367

CITY OF SALEM
21 S. BRUFFEY ST.
SALEM, VA 24153
PHONE: 540-375-3032

MARK	DATE	DESCRIPTION
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R.O.W. PLANS

PROJECT NO:	21-0812.001
SCALE:	AS SHOWN
DESIGNED BY:	AMT
DRAWN BY:	AMT
CHECKED BY:	AMT

SHEET TITLE

SIDEWALK RAMP
PROFILES

C5.1

SHEET 13 OF 48

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RIGHT OF WAY LEGEND

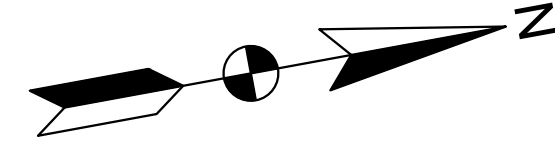
--- EXISTING RIGHT OF WAY LIMITS

--- PROPOSED RIGHT OF WAY LIMITS

--- TEMPORARY CONSTRUCTION EASEMENT

Parcel 111-1-5.4
419 ASSOCIATES LLC
C/O DAVID THOMPSON
Deed Book 040002820*

DISTRICT 15 PROBATION
AND PAROLE OFFICE



111-1-5.1
PROPERTIES 9 LLC
jk 160001534

NORTHERN TOOL

LIMITS OF DISTURBANCE
41,065 S.F. 0.94 ACRES

MATCHLINE - SEE SHEET C6.1

ELECTRIC ROAD

MCCAULEY AVE

EROSION CONTROL AND DEMOLITION LEGEND

TITLE	KEY	SYMBOL	STD. & SPEC. NUMBER
LIMITS OF DISTURBANCE		— LOD —	
CULVERT INLET PROTECTION	(CIP)		3.08**
OUTLET PROTECTION	(OP)		EC-1*
SILT FENCE	(SF)	— SF —	EC-5*
INLET PROTECTION (TYPE A & B)	(IP)		3.07**
CONSTRUCTION ENTRANCE	(CE)		EC-INS*
SAFETY FENCE	(SAF)	— SAF —	3.01**
TOPSOILING	(TO)		3.30**
TEMPORARY SEEDING	(TS)		3.31**
PERMANENT SEEDING	(PS)		3.32**
MULCHING	(MU)		3.35**

*VIRGINIA DEPARTMENT OF TRANSPORTATION ROAD & BRIDGE STANDARD
**VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK STD. & SPEC.

0 30' 60'
SCALE: 1"=30'

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PHONE (540) 251-5134
EMAIL: AMT1@AMTENGINEERING.COM

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PHONE: 703-359-5861
www.T3design.us



MASON CREEK
GREENWAY PHASE 3 -
419 MULTIMODAL
IMPROVEMENTS
STATE PROJECT NO.
0419-129-248
UPC 111367

CITY OF SALEM
21 S. BRUFFEY ST.
SALEM, VA 24153
PHONE: 540-375-3032

MARK DATE DESCRIPTION

R.O.W. PLANS

PROJECT NO: 21-0812.001
SCALE: 1"=30'
DESIGNED BY: AMT
DRAWN BY: AMT
CHECKED BY: AMT

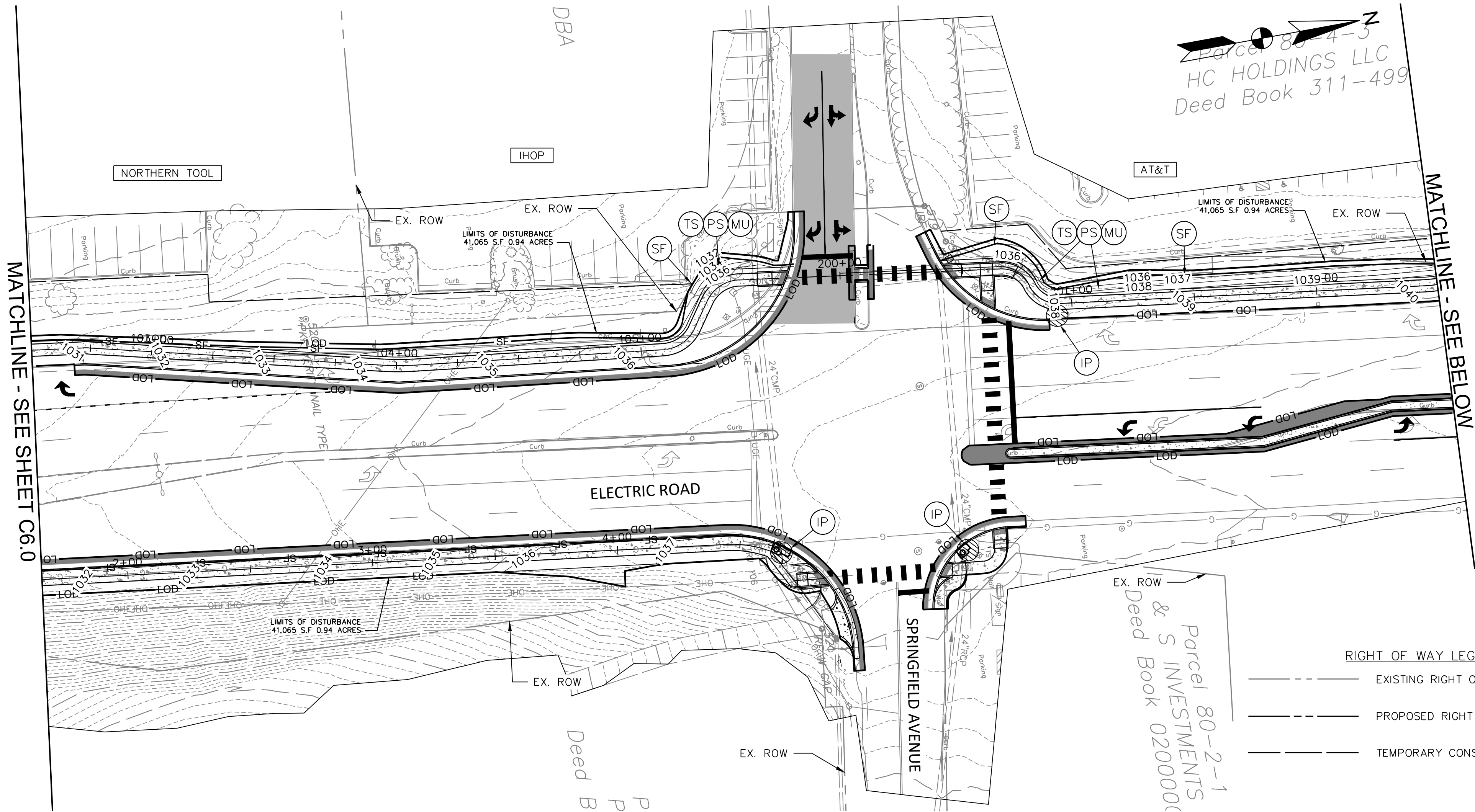
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EROSION & SEDIMENT
CONTROL PLAN

C6.0

SHEET 14 OF 48

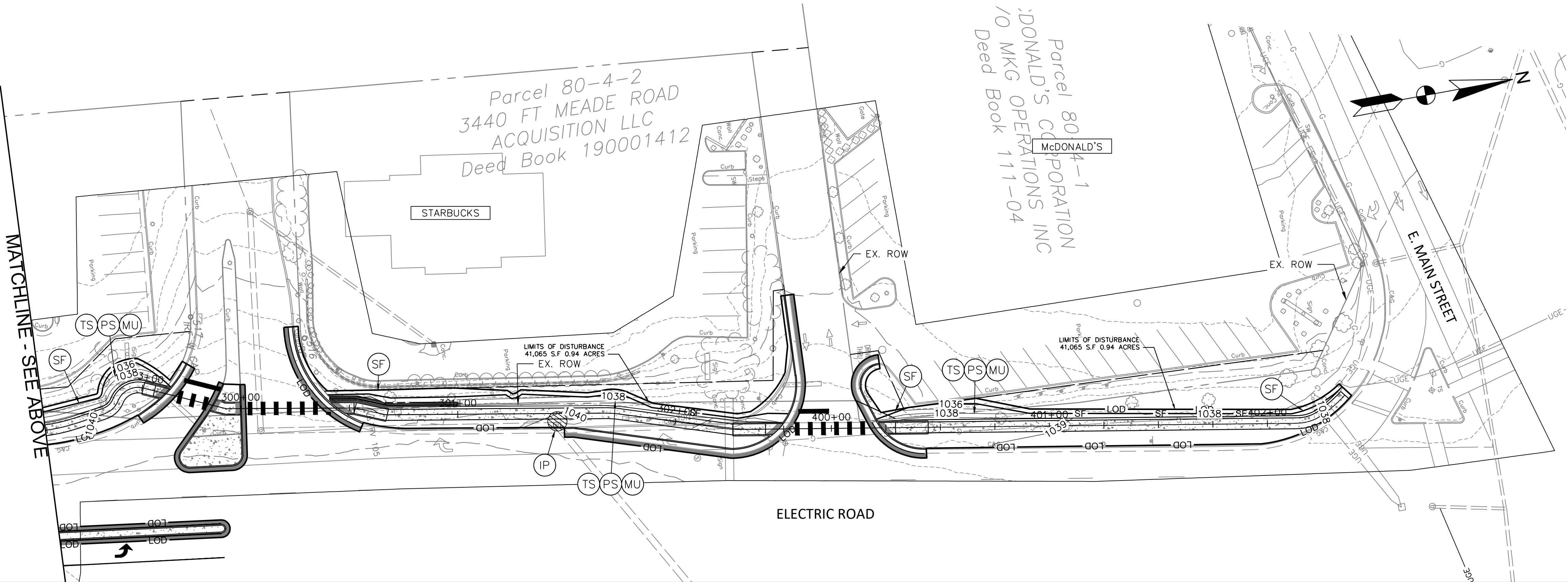
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EROSION CONTROL AND DEMOLITION LEGEND			
TITLE	KEY	SYMBOL	STD. & SPEC. NUMBER
LIMITS OF DISTURBANCE		— LOD —	
CULVERT	(CIP)		3.08**
INLET PROTECTION	(OP)		EC-1*
OUTLET PROTECTION	(OF)		EC-5*
SILT FENCE	(SF)	— SF —	EC-5*
INLET PROTECTION (TYPE A & B)	(IP)		3.07**
CONSTRUCTION ENTRANCE	(CE)		EC-INS*
SAFETY FENCE	(SAF)	— SAF —	3.01**
TOPSOILING	(TO)		3.30**
TEMPORARY SEEDING	(TS)		3.31**
PERMANENT SEEDING	(PS)		3.32**
MULCHING	(MU)		3.35**

*VIRGINIA DEPARTMENT OF TRANSPORTATION ROAD & BRIDGE STANDARD
**VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK STD. & SPEC.

RIGHT OF WAY LEGEND	
---	EXISTING RIGHT OF WAY LIMITS
---	PROPOSED RIGHT OF WAY LIMITS
---	TEMPORARY CONSTRUCTION EASEMENT



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21 S. BRUFFEY ST.
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PHONE: 540-375-3032

MARK	DATE	DESCRIPTION
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R.O.W. PLANS

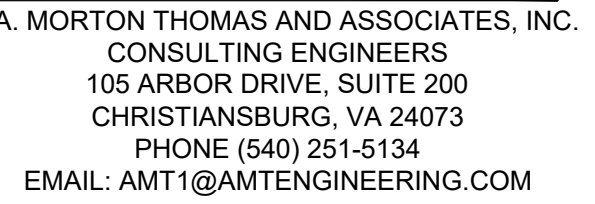
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SCALE:	1"=30'
DESIGNED BY:	AMT
DRAWN BY:	AMT
CHECKED BY:	AMT

SHEET TITLE

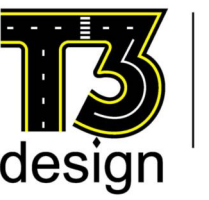
EROSION & SEDIMENT
CONTROL PLAN

C6.1

SHEET 15 OF 48



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MASON CREEK
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STATE PROJECT NO.
0419-129-248
UPC 111367

CITY OF SALEM
21 S. BRUFFEY ST.
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PHONE: 540-375-3032

MARK	DATE	DESCRIPTION
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R.O.W. PLANS

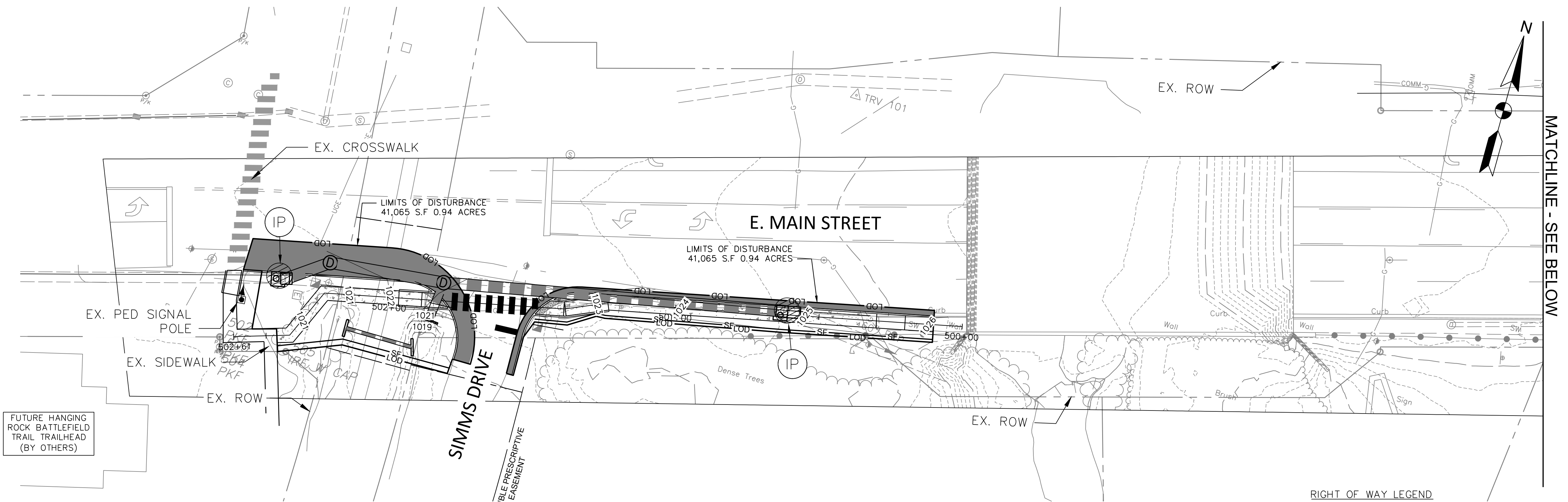
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SCALE:	1"=30'
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DRAWN BY:	AMT
CHECKED BY:	AMT

SHEET TITLE

EROSION & SEDIMENT CONTROL PLAN

C6.2

SHEET 16 OF 48

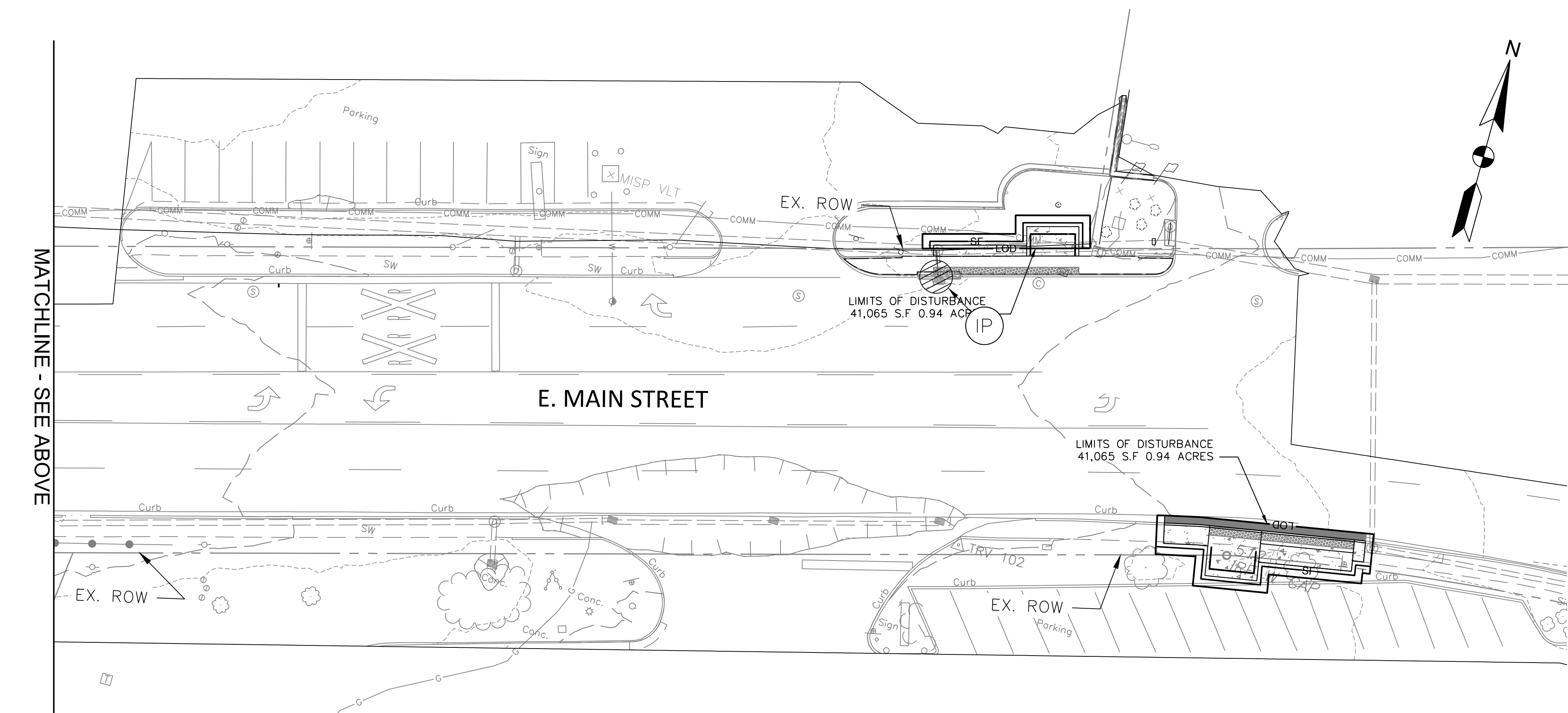


RIGHT OF WAY LEGEND

EXISTING RIGHT OF WAY LIMITS

PROPOSED RIGHT OF WAY LIMITS

TEMPORARY CONSTRUCTION EASEMENT



EROSION CONTROL AND DEMOLITION LEGEND

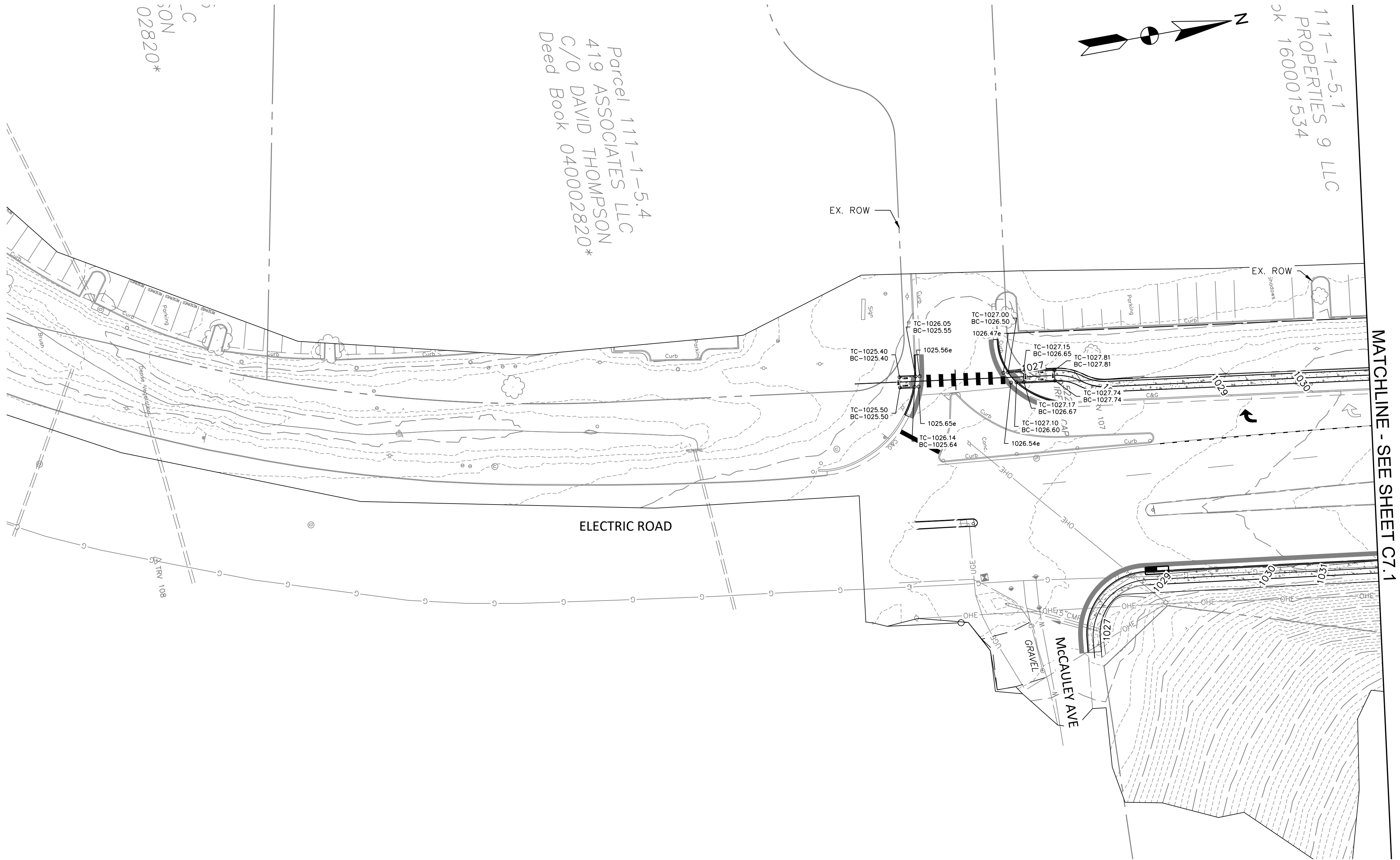
TITLE	KEY	SYMBOL	STD. & SPEC. NUMBER
LIMITS OF DISTURBANCE		— LOD —	
CULVERT INLET PROTECTION			3.08**
OUTLET PROTECTION			EC-1*
SILT FENCE		— SF —	EC-5*
INLET PROTECTION (TYPE A & B)			3.07**
CONSTRUCTION ENTRANCE			EC-INS*
SAFETY FENCE		— SAF —	3.01**
TOPSOILING			3.30**
TEMPORARY SEEDING			3.31**
PERMANENT SEEDING			3.32**
MULCHING			3.35**

*VIRGINIA DEPARTMENT OF TRANSPORTATION ROAD & BRIDGE STANDARD
**VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK STD. & SPEC.



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GRADING LEGEND

- TC: 1055.82 FIN. GRADE TOP CURB EL.
BC: 1056.32 FIN. GRADE BOTTOM CURB EL.
- 1055.82 FIN. GRADE SPOT EL.
- - - 1060 - - - EXIST. GRADE CONTOUR
- 1060 —— FIN. GRADE CONTOUR
- - - - - TEMPORARY CONSTRUCTION EASEMENT

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MARK	DATE	DESCRIPTION
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R.O.W. PLANS

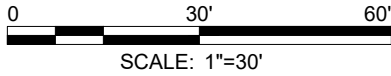
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SCALE:	1"=30'
DESIGNED BY:	AMT
DRAWN BY:	AMT
CHECKED BY:	AMT

SHEET TITLE

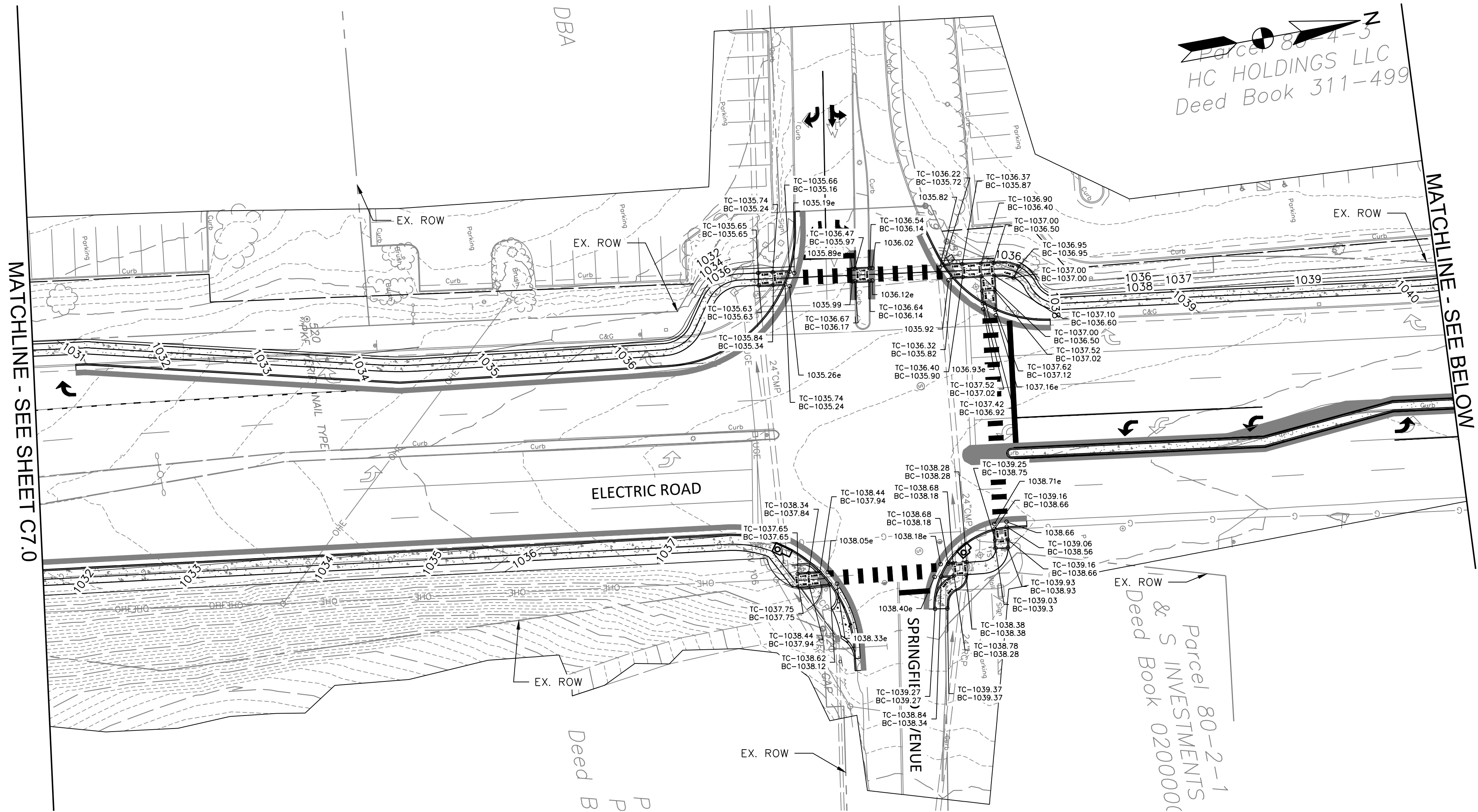
GRADING & DRAINAGE
PLAN

C7.0

SHEET 17 OF 48



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GRADING LEGEND

- TC: 1055.82 FIN. GRADE TOP CURB EL.
- BC: 1056.32 FIN. GRADE BOTTOM CURB EL.
- 1055.82 FIN. GRADE SPOT EL.
- 1060 EXIST. GRADE CONTOUR
- 1060 FIN. GRADE CONTOUR
- TEMPORARY CONSTRUCTION EASEMENT

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MASON CREEK
GREENWAY PHASE 3 -
419 MULTIMODAL
IMPROVEMENTS
STATE PROJECT NO.
0419-129-248
UPC 111367

CITY OF SALEM
21 S. BRUFFEY ST.
SALEM, VA 24153
PHONE: 540-375-3032

MARK	DATE	DESCRIPTION
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R.O.W. PLANS

PROJECT NO:	21-0812.001
SCALE:	1"=30'
DESIGNED BY:	AMT
DRAWN BY:	AMT
CHECKED BY:	AMT

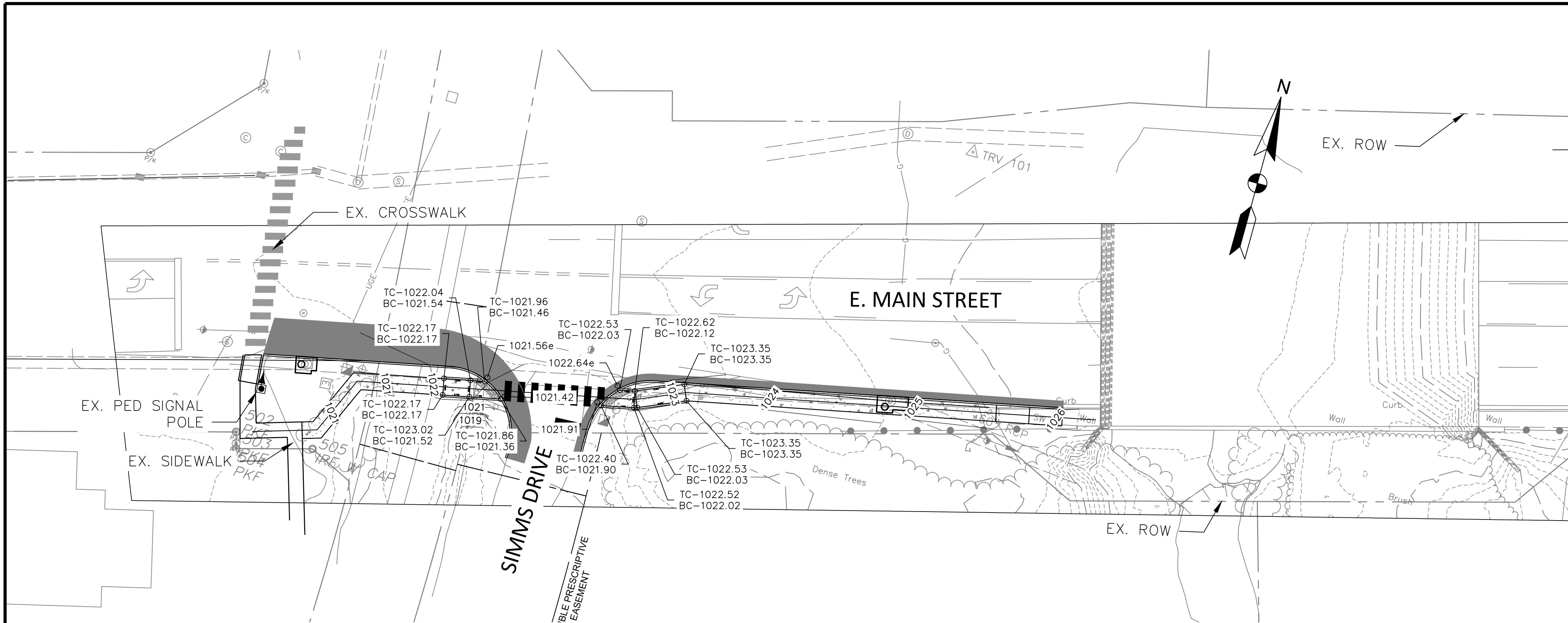
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GRADING & DRAINAGE
PLAN

C7.1

SHEET 18 OF 48

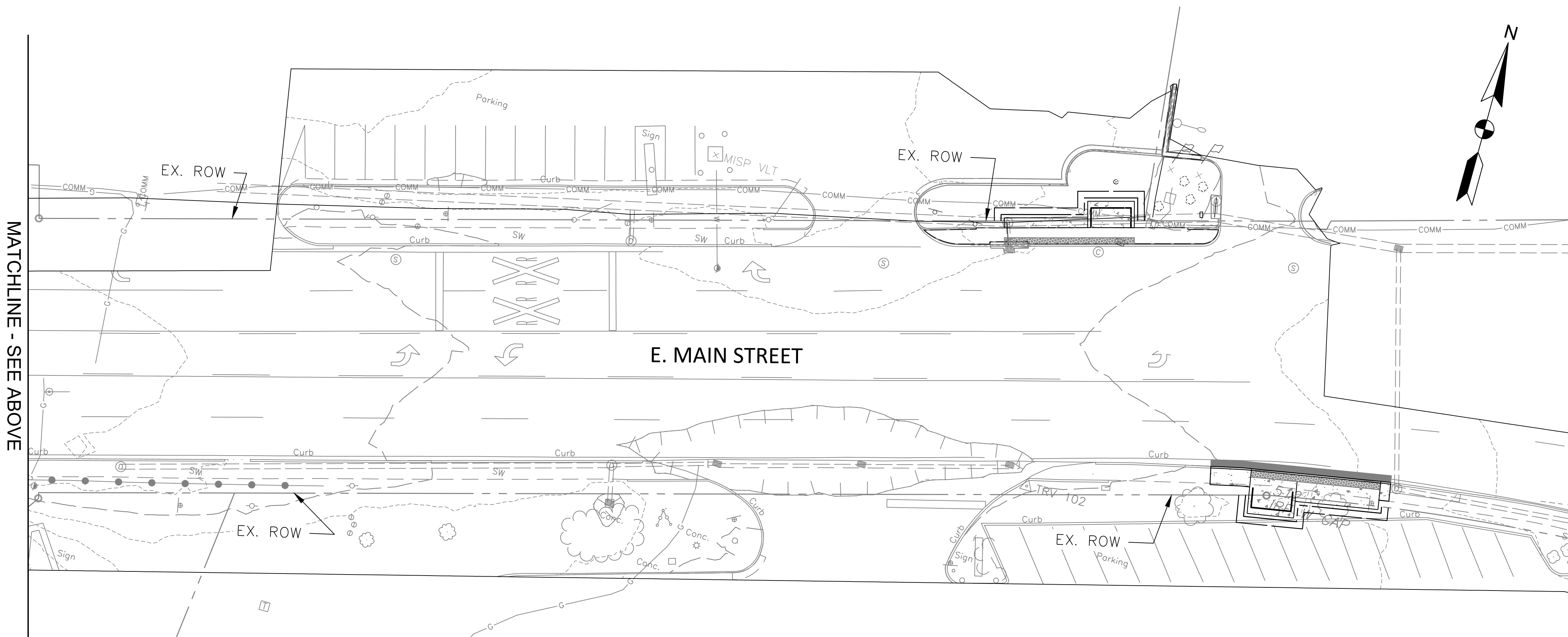
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GRADING LEGEND

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BC: 1056.32 FIN. GRADE BOTTOM CURB EL.
- 1055.82 FIN. GRADE SPOT EL.
- 1060 --- EXIST. GRADE CONTOUR
- 1060 --- FIN. GRADE CONTOUR
- TEMPORARY CONSTRUCTION EASEMENT

MATCHLINE - SEE BELOW

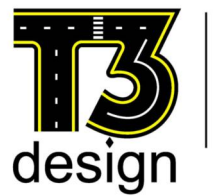


0 10' 20' 40'
SCALE: 1"=20'



A. MORTON THOMAS AND ASSOCIATES, INC.
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R.O.W. PLANS

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DESIGNED BY:	AMT
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CHECKED BY:	AMT

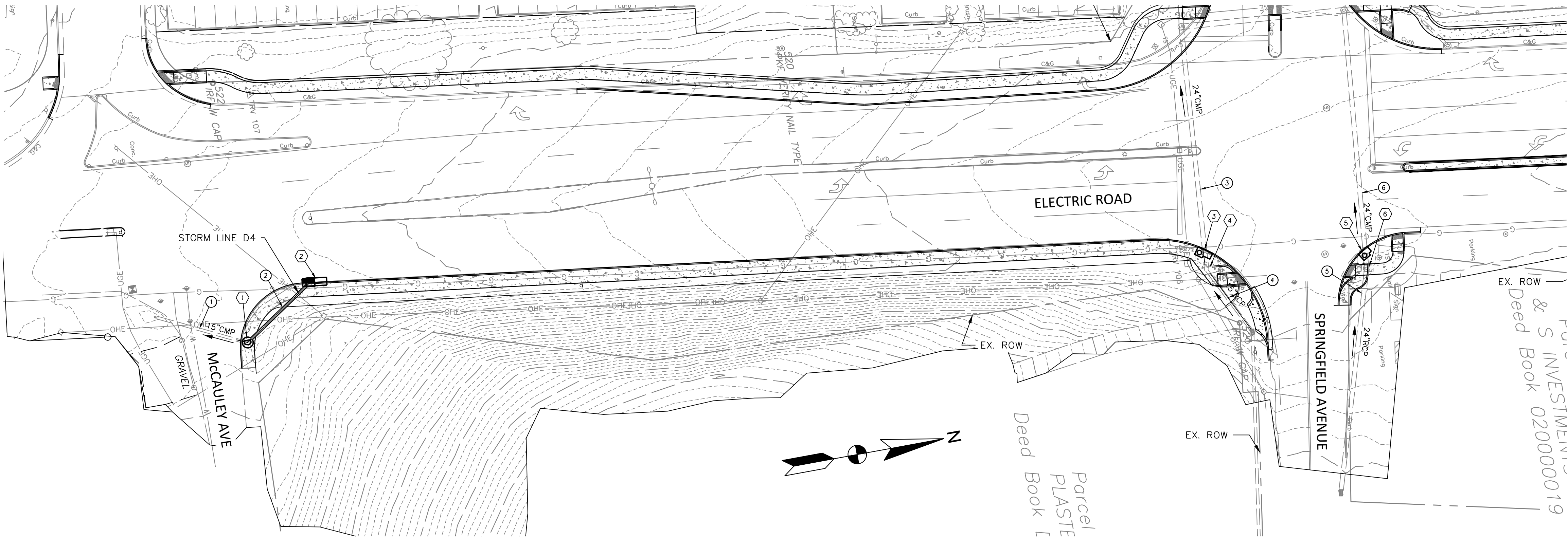
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GRADING & DRAINAGE
PLAN

C7.2

SHEET 19 OF 48

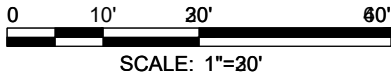
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DRAINAGE PIPE SUMMARY TABLE				
PIPE RUN	PIPE MATERIAL	PIPE SIZE	PIPE SLOPE	PIPE LENGTH
①	EXIST. CMP	15"	x.xx%	47.19'
②	PROP. CMP	15"	x.xx%	40.00'
③	EXIST. CMP	24"	x.xx%	112.60'
④	EXIST. CMP	15"	x.xx%	35.26'
⑤	EXIST. RCP	24"	x.xx%	105.43'
⑥	EXIST. CMP	24"	x.xx%	119.38'
⑦	EXIST. RCP	60"	x.xx%	56.61'
⑧	PROP. CMP	60"	x.xx%	118.31'
⑨	PROP. CMP	36"	x.xx%	14.11'
⑩	PROP. CMP	15"	x.xx%	24.15'
⑪	PROP. CMP	60"	x.xx%	40.04'
⑫	PROP. CMP	60"	x.xx%	16.29'
⑬	EXIST. CMP	48"	x.xx%	338.81'

DRAINAGE STRUCTURE SUMMARY TABLE					
STRUCTURE NUMBER	DESCRIPTION	LENGTH	TOP ELEV.	INVERT IN	INVERT OUT
①	PROP. MH	N/A	—	—	—
②	PROP. DROP INLET DI-2B	10'	—	—	—
③	PROP. DROP INLET DI-3B	6'	—	—	—
④	EX. DROP INLET	4'	—	—	—
⑤	PROP. DROP INLET DI-3B	4'	—	—	—
⑥	EX. DROP INLET	3'	1038.85	1035.42	1035.28
⑦	PROP. DROP INLET DI-3B	8'	—	—	—
⑧	PROP. MH-1	N/A	1024.13	N/A	1013.11
⑨	PROP. HEADWALL	—	—	—	—
⑩	PROP. HEADWALL	—	—	—	—
⑪	PROP. HEADWALL	—	—	—	—
⑫	PROP. MH-1	N/A	—	—	—
⑬	PROP. DROP INLET DI-3B	4'	—	—	—

REFER TO VDOT BRIDGE AND STRUCTURE DRAWINGS FOR DETAILS ASSOCIATED WITH DRAINAGE STRUCTURES.



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MASON CREEK
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CITY OF SALEM
21 S. BRUFFEY ST.
SALEM, VA 24153
PHONE: 540-375-3032

MARK DATE DESCRIPTION

R.O.W. PLANS

PROJECT NO: 21-0812.001

SCALE: 1"=20'

DESIGNED BY: AMT

DRAWN BY: AMT

CHECKED BY: AMT

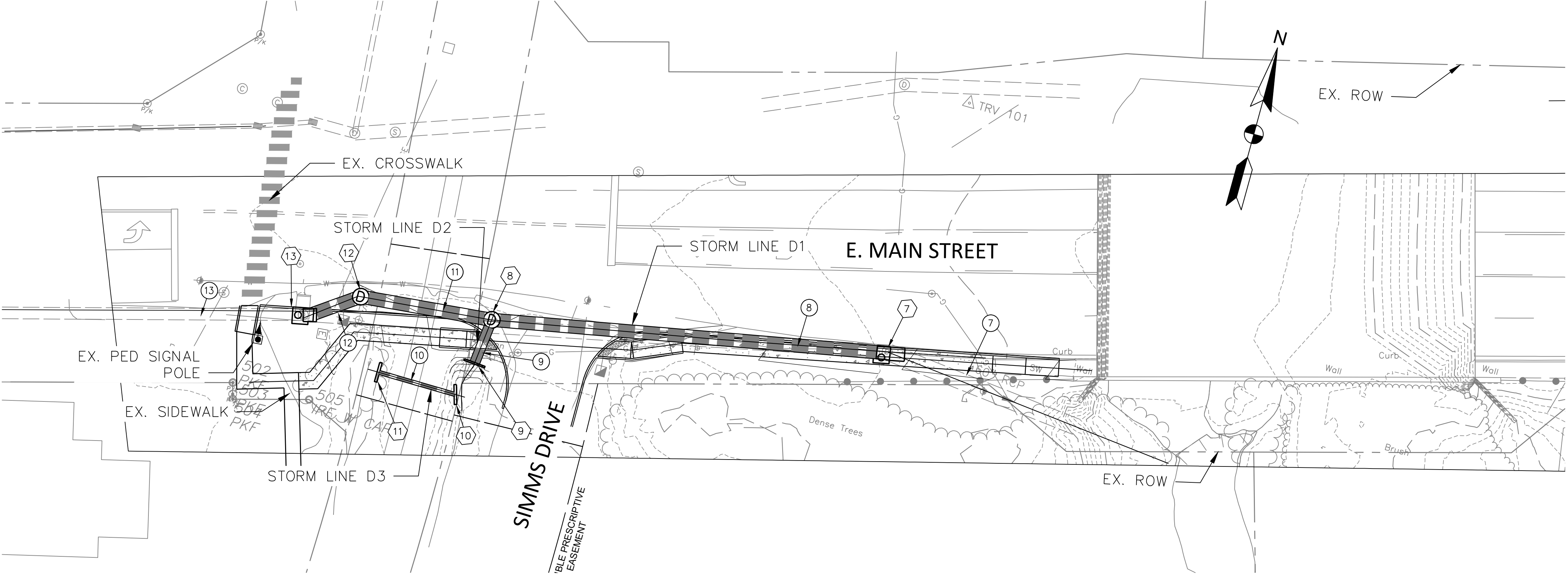
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GRADING & DRAINAGE
PLAN

C7.3

SHEET 20 OF 48

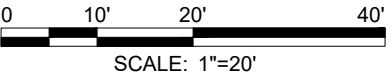
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⑨	PROP. HEADWALL	—	—	—	—
⑩	PROP. HEADWALL	—	—	—	—
⑪	PROP. HEADWALL	—	—	—	—
⑫	PROP. MH-1	N/A	—	—	—
⑬	PROP. DROP INLET DI-3B	4'	—	—	—

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UPC 111367

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MARK	DATE	DESCRIPTION
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R.O.W. PLANS

PROJECT NO:	21-0812.001
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DRAWN BY:	AMT
CHECKED BY:	AMT

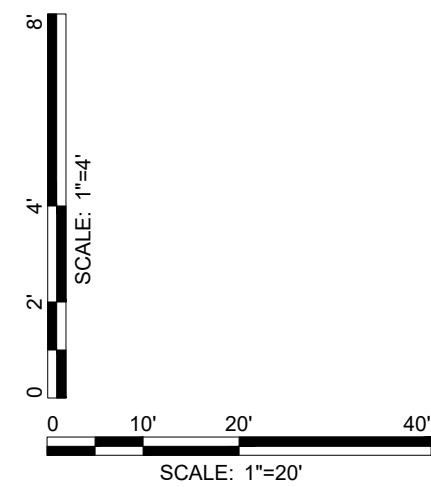
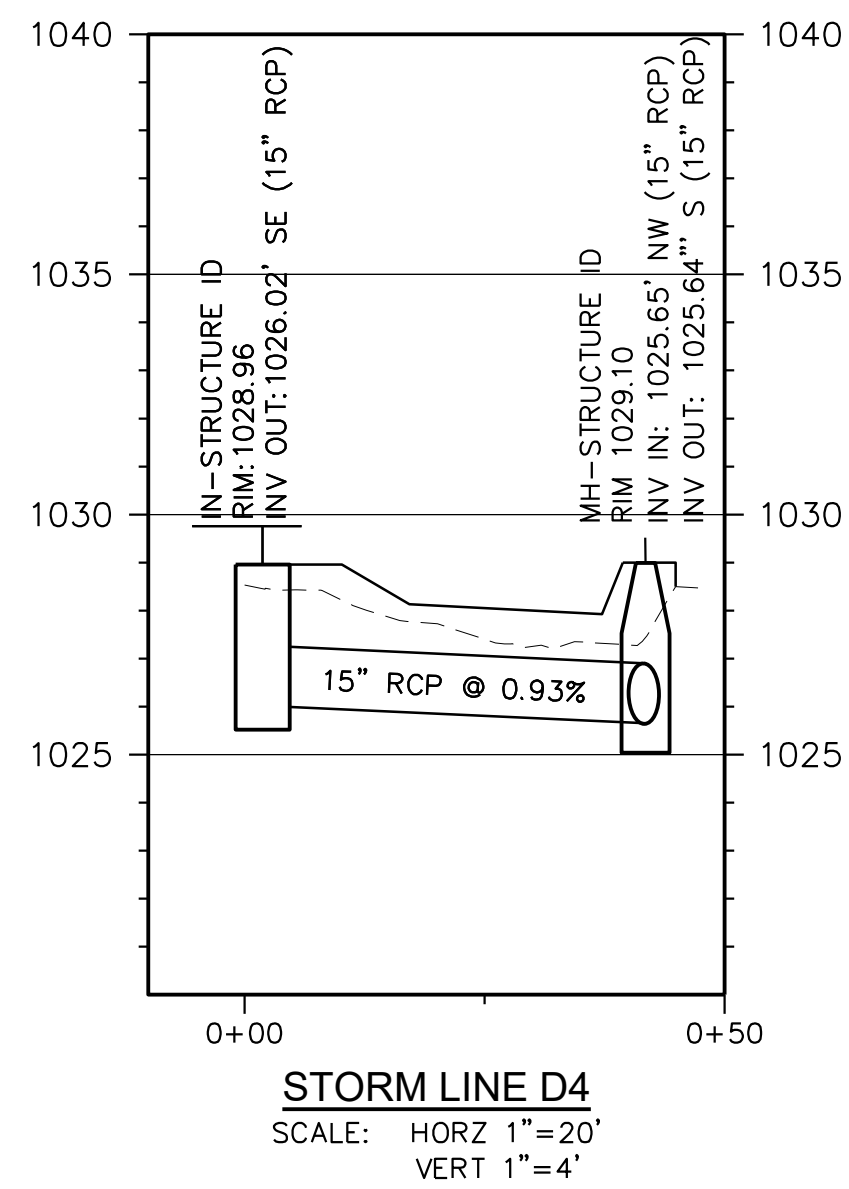
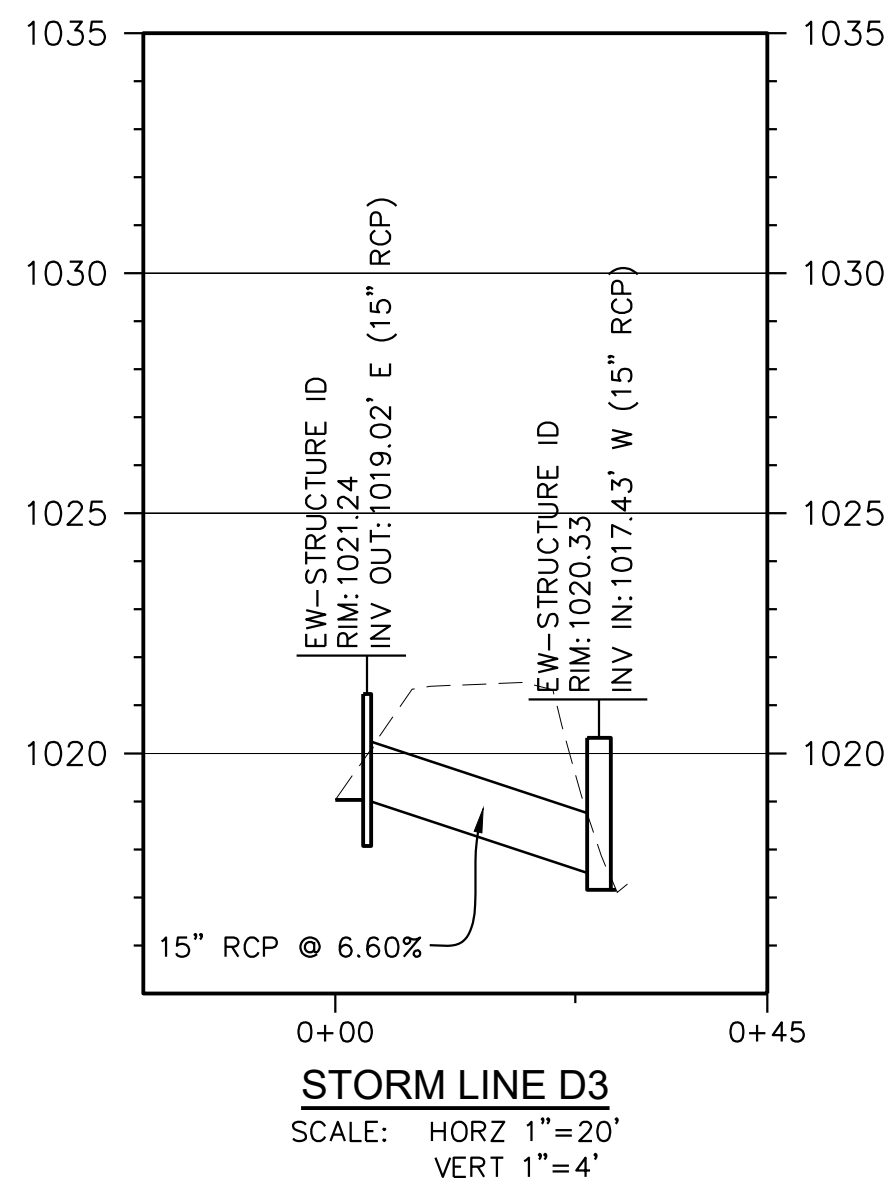
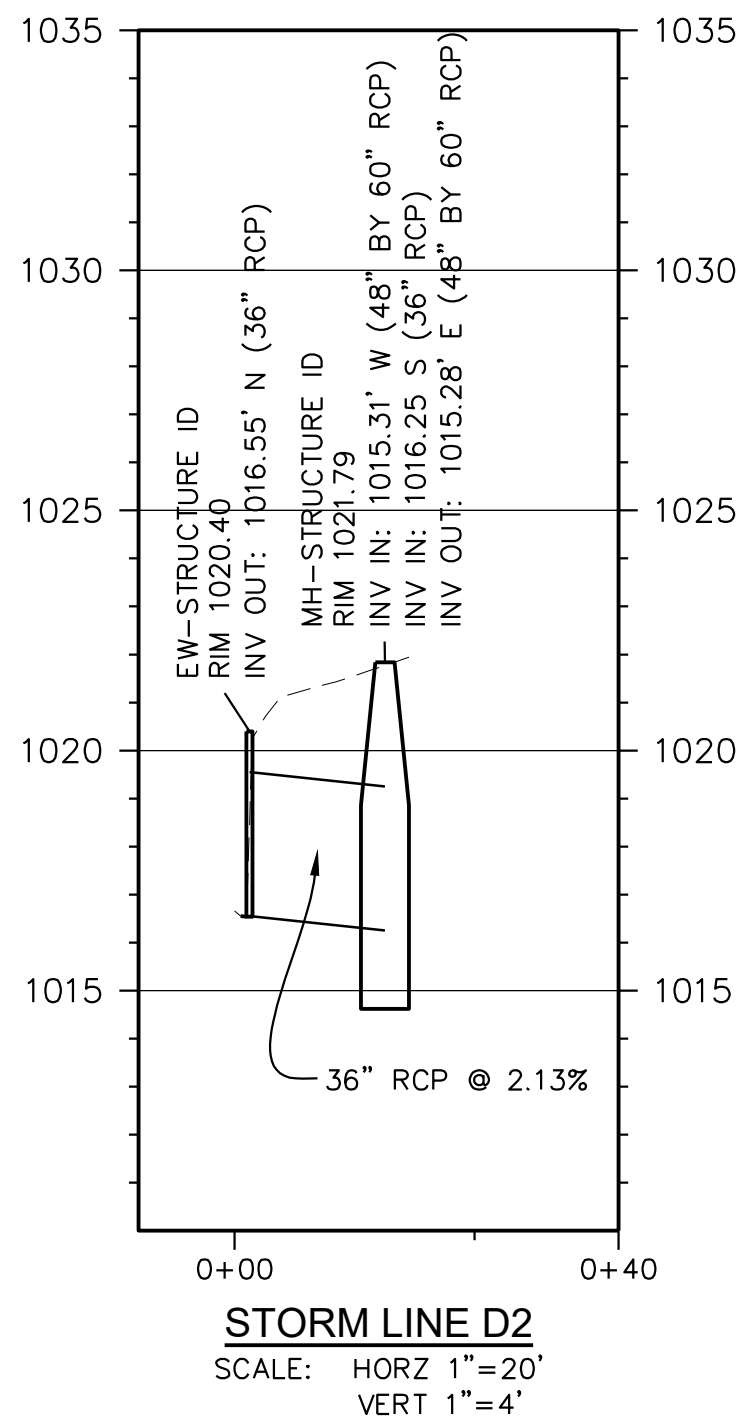
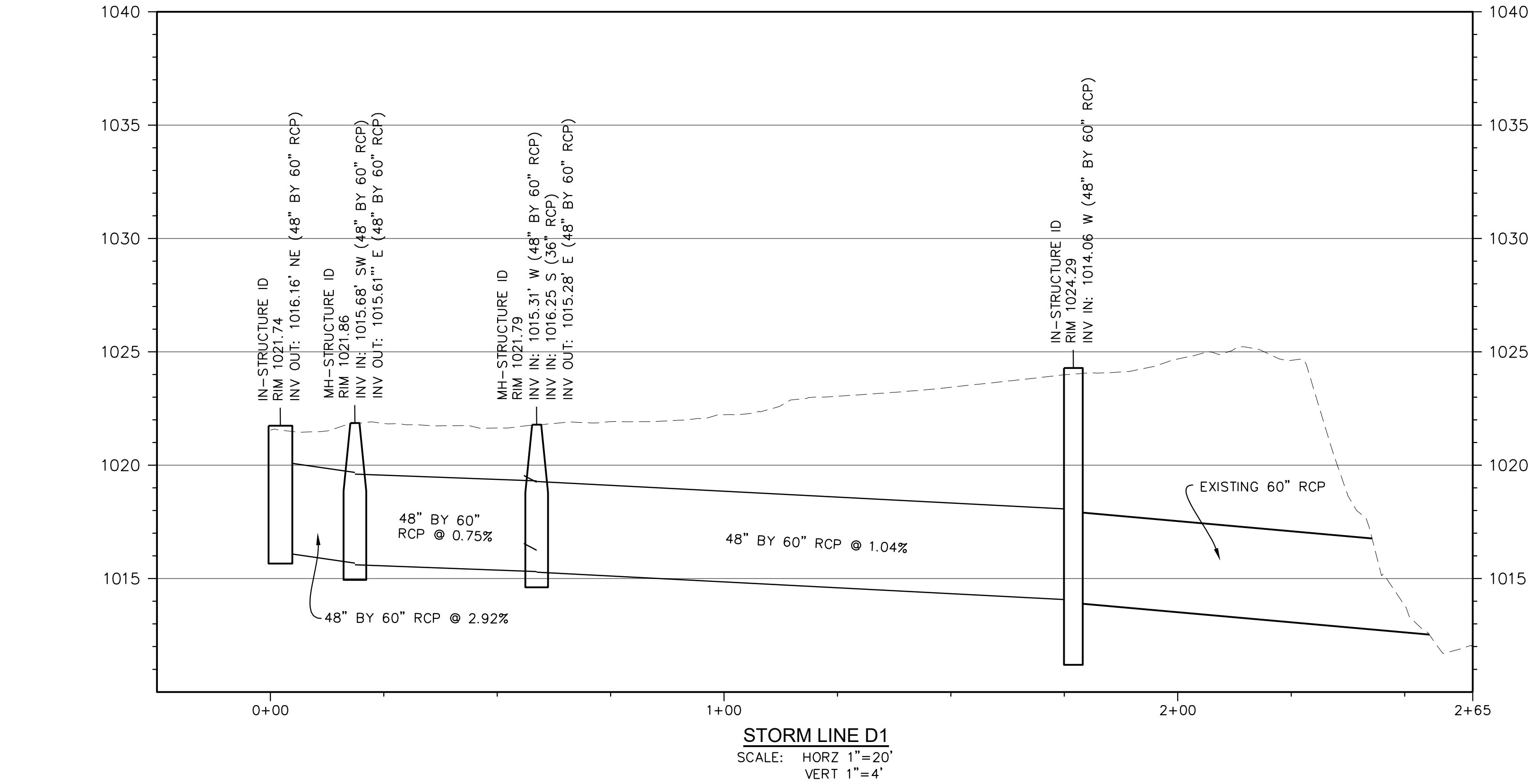
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GRADING & DRAINAGE
PLAN

C7.4

SHEET 21 OF 48

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MARK	DATE	DESCRIPTION
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R.O.W. PLANS

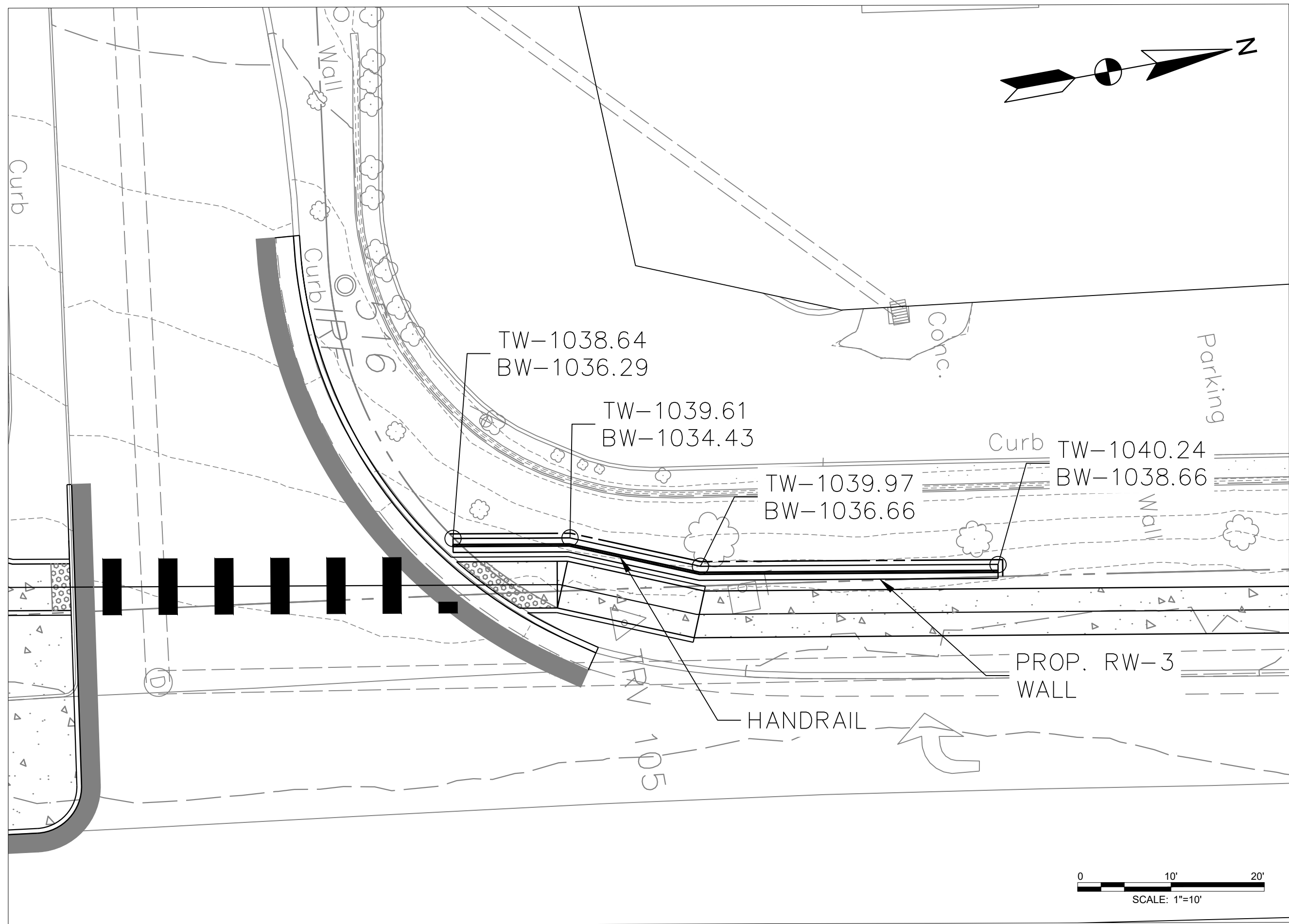
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SCALE:	1"=20'
DESIGNED BY:	AMT
DRAWN BY:	AMT
CHECKED BY:	AMT

SHEET TITLE

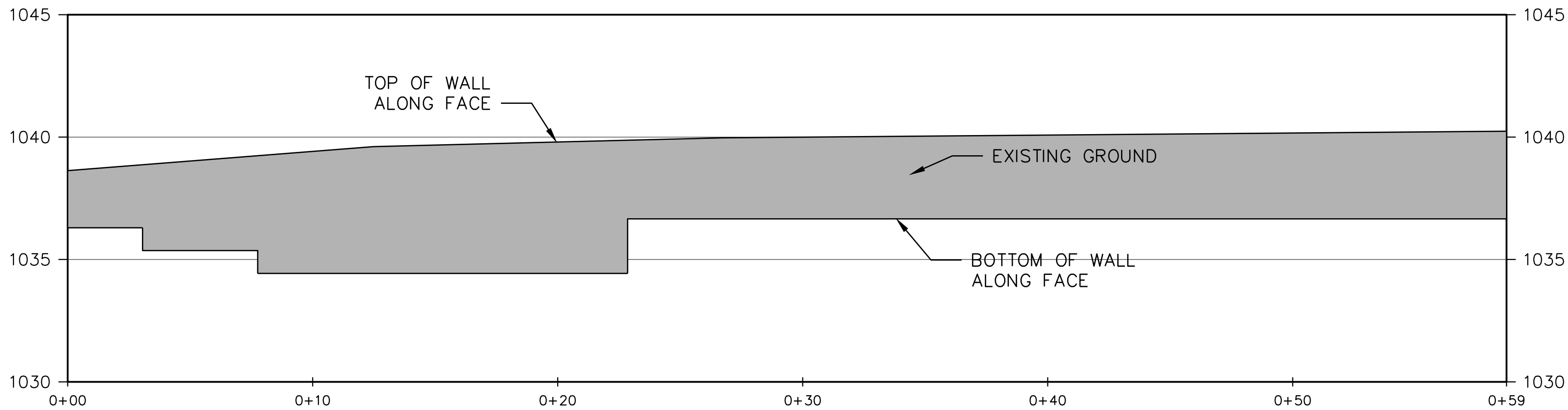
STORM SYSTEM
PROFILES

C7.5

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RETAINING WALL SPOT ELEV.

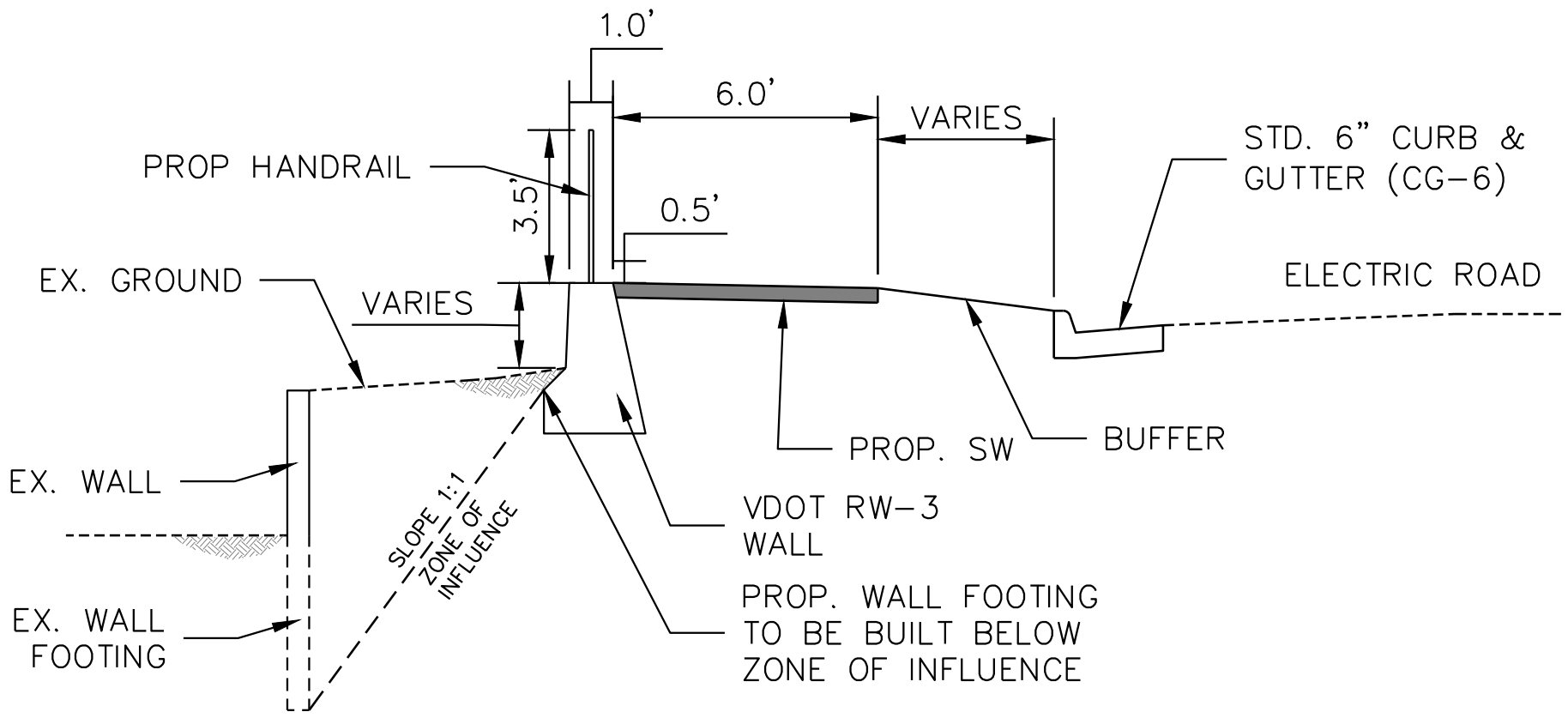


RETAINING WALL PROFILE
SCALE: HORZ 1"=5'
VERT 1"=5'

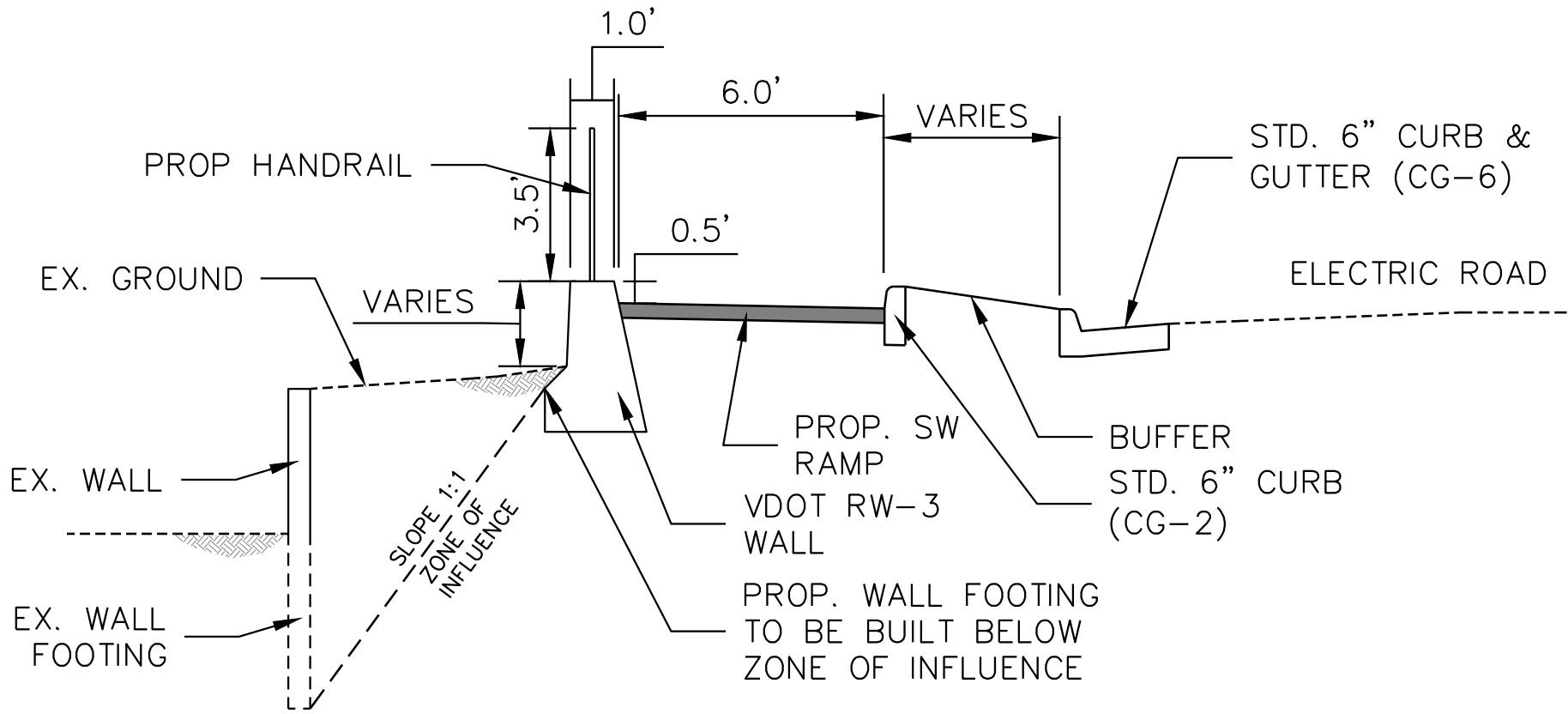
GRADING LEGEND

- TC: 1055.82 FIN. GRADE TOP CURB EL.
BC: 1056.32 FIN. GRADE BOTTOM CURB EL.
- 1055.82 FIN. GRADE SPOT EL.
- - - 1060 - - - EXIST. GRADE CONTOUR
- 1060 —— FIN. GRADE CONTOUR
- - - - - TEMPORARY CONSTRUCTION EASEMENT

RETAINING WALL TYP. SECTION @ SIDEWALK



RETAINING WALL TYP. SECTION @ RAMP



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MARK	DATE	DESCRIPTION
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R.O.W. PLANS

PROJECT NO:	21-0812.001
SCALE:	AS SHOWN
DESIGNED BY:	AMT
DRAWN BY:	AMT
CHECKED BY:	AMT

SHEET TITLE

RETAINING WALL
DETAILS

C7.6

INDEX OF SHEETS

Sheet No.:	Sheet Description:
C8.1	Index of Sheets, General Notes & Legend
C8.2	Summary of Quantities
C8.3	Traffic Signal Plan - Electric Road at Springfield Avenue

CONTACT LIST

Contact:	Phone Number
City of Salem Electric Department	A.K.Briele (540) 375-3030

STANDARD TRAFFIC SIGNAL LEGEND

PLAN ITEM	PLAN SYMBOL	
	PROPOSED	EXISTING
Metal Signal Pole & Foundation and Mast Arm (As noted in Signal Pole Legend)		
Pedestal Pole and Foundation (S'd.PF-2)		
Pedestal Pole and Foundation (S't.d.PA-3)		
Traffic Signal Head w/ Backplate		
Traffic Signal Head w/o Backplate		
Pedestrian Signal Head		
Pedestrian Pushbutton & Sign		
Traffic Signal Sign Mast Arm or Span Wire M'd.		
Traffic Signal Sign Pole Mounted		
Emergency Vehicle Pre-emption (EVP) Sensor		
Emergency Vehicle Pre-emption (EVP) Sensor w/ Conf.Light		
Emergency Vehicle Pre-emption (EVP) Sensor w/o Conf.Light		
Video Detection Camera		
Junction Box (S't.d.as noted on plans)		
Signal Luminaire (250 W) and Arm		
Signal Luminaire (400 W) and Arm		
Loop Detector (Size as noted on plans)		
Video Detection Zone (Size as noted on plans)		
Conduit		

PLAN ITEM	PLAN SYMBOL	
	PROPOSED	EXISTING
Electrical Service Meter		
Electrical Service Safety Switch (Disconnect)		
Controller Cabinet		
Controller Cabinet Ground Mounted		
Controller Cabinet Pole Mounted		
Master Controller Cabinet		
Master Controller Cabinet Ground Mounted		
Master Controller Cabinet Pole Mounted		
Controller Cabinet & Foundation		
Controller Cabinet & Foundation Std.CF-1		
Controller Cabinet & Foundation Std.CF-3		
Controller Cabinet & Foundation Std.CF-4		
Controller Cabinet & Foundation Std.CF-5		
Controller Cabinet & Foundation Std.CF-1		
Master Controller Cabinet & Foundation		
Master Controller Cabinet & Foundation Std.CF-3		
Master Controller Cabinet & Foundation Std.CF-4		
Uninterruptible Power Supply Cabinet		

LABELS

Signal Pole or Controller		Proposed Signal Head		Signal Phasing		Sign	
Cable and Conduit		Existing Signal Head		Pedestrian Phasing		Video Detection Camera	
Junction Box		Proposed Pedestrian Signal Head				Emergency Preemption Detector	
		Existing Pedestrian Signal Head					

GENERAL NOTES - TRAFFIC SIGNALS

- The following items and operations shall conform to the standard listed below:
a. Pedestal Pole-----PF-2
b. Conduit Installation-----ECI or Bored
c. Pedestrian Signal Head Hanger-----SMB-3
d. Junction Box-----JB-S2
e. Pedestrian Signal Head-----SP-8
f. Pedestrian Actuation-----PA-2
- The construction items on this project are to be installed in accordance with the current revisions of the Virginia Department of Transportation (VDOT) 2016 Road and Bridge Standards, 2020 Road & Bridge Specifications, the City of Salem Specifications, and as amended by contract provisions and these plans.
- The Contractor shall notify the City of Salem Electric Department at (540) 375-3030 (72 hours) before commencing constructions.
- All underground and overhead utilities shown on these plans are approximate only and may not be complete. At least 72 hours prior to beginning signal work, the Contractor shall contact "Miss Utility of Virginia" at 1-800-552-7001 in order to determine the extent, location, and identify all of the utilities within the work area. If the Contractor perceives a conflict between utilities and the proposed traffic signal equipment, the Contractor shall notify the Engineer immediately so that the conflict may be reviewed prior to beginning work.
- All damages to existing utilities, structures, facilities, pavement, concrete items, grassed areas, etc., shall be restored to existing condition by the Contractor at their own expense.
- The Contractor shall verify the elevations of all underground utilities to be crossed prior to installing conduits. The Contractor shall hand dig when crossing water lines, gas lines, and sewer force mains.
- All equipment is to be installed within the existing or proposed R/W or easement.
- The Contractor shall field stake all poles per Section 700.05 of the Road & Bridge Specifications and field verify with "Miss Utility of Virginia" prior to installation of the foundations. The City Traffic Engineer or his designee shall inspect and approve stake pole locations. Any field adjusting needed for signal pole foundations shall be approved by the Engineer.
- Junction boxes may be relocated in the field as necessary provided all equipment remains within the right of way or proposed easement, remains outside the pavement section and existing and proposed sidewalks, does not conflict with utilities, and does not conflict with the Mason Creek Greenway Phase 3 plans.
- All conduit entering junction box shall not extend into box over 2 1/2" and shall be fitted with appropriate bell ends or bushings.
- Conduit systems shall be bonded in accordance with section 700 of the Road & Bridge Specifications.
- The proposed pole foundations shall be permanently marked to indicate the location of all conduits cast in the foundation. The markings shall consist of an arrow, 4 to 6 inches long, and a letter designation as follows:
(S) - SPARE CONDUIT;
(T) - CONDUIT WITH SIGNAL OR DETECTOR CABLES;
(E) - CONDUIT WITH ELECTRICAL SERVICE CONDUCTORS FOR TRAFFIC SIGNAL;
(G) - CONDUIT FOR GROUNDING

- The Contractor shall place/orient the pedestrian signal push buttons and signs as shown on the plan.
- All unused wires in the signal heads shall be capped individually with crimp type caps.
- It shall be the sole responsibility of the Contractor to furnish and maintain, until the work has been accepted by the City, any and all signs, lights, barricades, flagmen, etc., necessary for the safety of the general public, including both vehicular and pedestrian traffic. All costs for the maintenance of traffic shall be included in the lump sum bid item. Maintenance of Traffic shall be done according to the Virginia Work Area Protection Manual (latest edition) and Section 512 of VDOT Specifications.
- The contractor shall maintain and operate existing traffic and pedestrian signs until the permanent signal equipment has been installed, tested, and the work has been accepted by the City. The Contractor shall not discontinue the operation of an existing signal without prior approval of the City of Salem.
- No separate payment will be made for construction surveying and layout, but the cost thereof will be considered incidental to other appropriate items of work.
- Accessible Pedestrian Signals shall be used. Pushbuttons shall be located a maximum of 10' (inches) from the pedestrian travelway (sidewalk).
- Pedestrian pushbuttons, signs, and frames to be supplied by City of Salem and installed by Contractor in accordance with VDOT STD.PA-2. Contractor to furnish and install black extension brackets as necessary to provide 10" horizontal reach (24" absolute max.) from edge of ramp landing.
- All pedestrian indications to be VDOT STD.SP-8 with black signal head housings and black VDOT STD.SMB-3 mountings. Contractor shall review signal installation to confirm that a continuous view of the pedestrian signals is provided from the approach crosswalks. Should visibility of the signals be interrupted, signal head position shall be adjusted as needed. Should mounting bracket length require adjustment, coordinate with the City of Salem.
- Protect In Place Exist. Traffic Signal Cabinet and Conc. Foundation until new installation is fully operational.
- Conduits shown on these plans are diagrammatic and actual runs shall be modified as field conditions warrant. All modifications shall be approved by the City of Salem and shown on the As-Built plans.
- Contractor shall maintain existing vehicle detection throughout the duration of the Project.

90% PLANS

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION.

AMT

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CITY OF SALEM
21 S. BRUFFEY ST.
SALEM, VA 24153
PHONE: 540-375-3032

MARK	DATE	DESCRIPTION
90% PLANS		
PROJECT NO:	21-0812.001	
SCALE:	NONE	
DESIGNED BY:	BM	
DRAWN BY:	BM	
CHECKED BY:	SJW	
SHEET TITLE	SIGNAL TITLE SHEET	

SIGNAL PLAN

C8.0

SUMMARY OF QUANTITIES

AMT

A. MORTON THOMAS AND ASSOCIATES, INC.
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DESIGNED BY:	BM	
DRAWN BY:	BM	
CHECKED BY:	SJW	
SHEET TITLE	SUMMARY OF QUANTITIES	

SIGNAL PLAN

C8.1

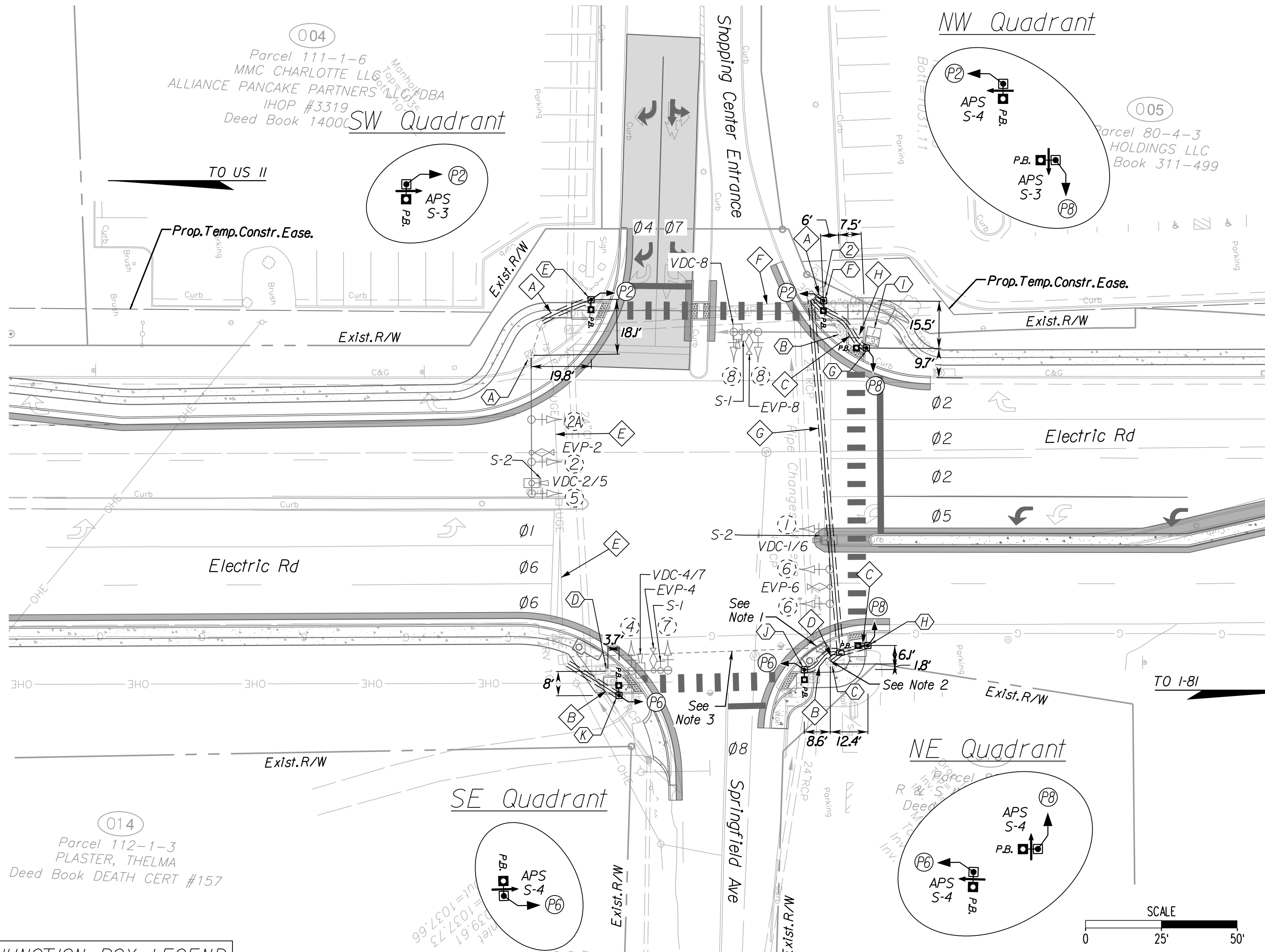
TCD DISCIPLINE		SIGNALS																		
SUMMARY NOTES																				
ITEM DESCRIPTION		PEDESTAL POLE PF-2 10'	CONCRETE FOUNDATION PF-2	14/2 CONDUCTOR CABLE	14/3 CONDUCTOR CABLE	14/4 CONDUCTOR CABLE	14/7 CONDUCTOR CABLE	CONDUCTOR CABLE, NO. 8 EGC	JUNCTION BOX JB-S2	BORED CONDUIT 3"	CONDUIT PVC 2"	CONDUIT PVC 3"	TRENCH EXCAVATION ECI-1	PEDESTRIAN ACTUATION PA-2	VIDEO DETECTION CABLE	EVP DETECTOR CABLE	HANGER ASSEMBLY SMB-3, ONE WAY	REMOVE EXISTING MANHOLE/JUNCTION BOX	PEDESTRIAN SIGNAL HEAD SP-8	
		ITEM NO	700SD20-0066	700SD20-0069	700SD20-0110	700SD20-0111	700SD20-0112	700SD20-0122	700SD20-0148	700SD20-0178	700SD20-0192	700SD20-0194	700SD20-0195	700SD20-0197	703SD20-0011	703SD20-0015	703SD20-0024	703SD20-0039	703SD20-0048	703SD20-0060
		UNIT	EA	EA	LF	LF	LF	LF	LF	EA	LF	LF	LF	LF	EA	LF	LF	EA	EA	EA
INTERSECTION	SHEET NO.																			
Electric Rd at Springfield Ave	C8.3	6	6	220	880	915	675	250	1	130	10	110	120	6	235	220	6	1	6	

SUMMARY NOTES

90% PLANS

THESE PLANS ARE UNFINISHED AND
UNAPPROVED AND ARE NOT TO BE
USED FOR ANY TYPE OF
CONSTRUCTION.

TRAFFIC SIGNAL PLAN



JUNCTION BOX LEGEND

All Junction Boxes shall conform to Std. JB-S2 unless otherwise noted on the plans.

Signal Pole & Controller Legend

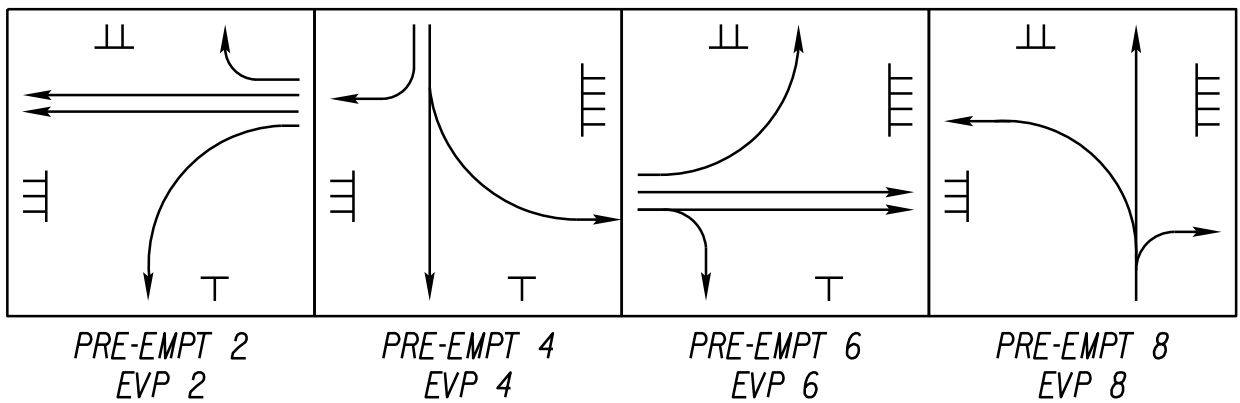
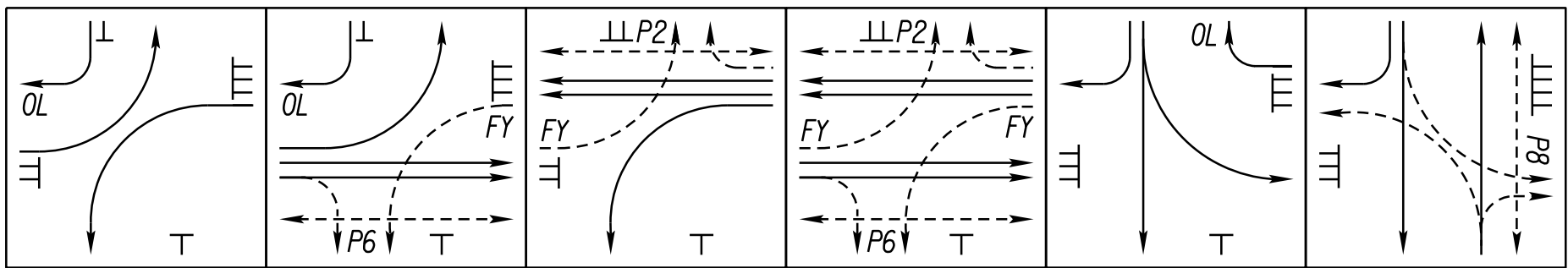
(ALL DIMENSIONS ARE TO CENTER OF POLE)

- ① EXISTING CONTROLLER CABINET AND FOUNDATION (CF-1) (To Remain)
- ② EXISTING SE-5 METERED POLE WITH DISCONNECT SWITCH (To Remain)
- Ⓐ EXISTING SIGNAL MAST ARM POLE (To Remain)
- Ⓑ EXISTING SIGNAL MAST ARM POLE (To Remain)
- Ⓒ EXISTING SIGNAL MAST ARM POLE (To Remain)
- Ⓓ EXISTING SIGNAL MAST ARM POLE (To Remain)
- Ⓔ PEDESTAL POLE (PF-2), 10'
- Ⓕ PEDESTAL POLE (PF-2), 10'
- Ⓖ PEDESTAL POLE (PF-2), 10'
- Ⓗ PEDESTAL POLE (PF-2), 10'
- Ⓘ PEDESTAL POLE (PF-2), 10'
- Ⓚ PEDESTAL POLE (PF-2), 10'

90% PLANS

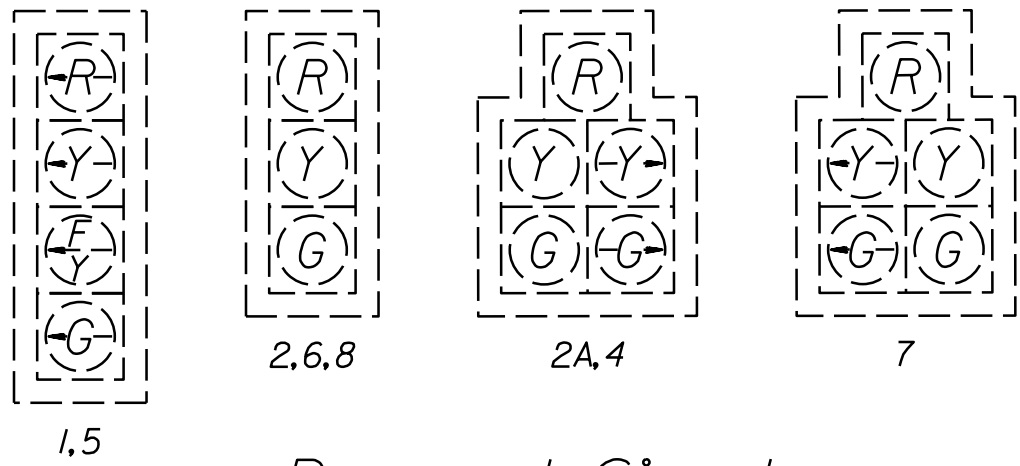
THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION.

Phasing Diagram



Note: The FYA for phase 1 shall not be active if pedestrian phase 2 is active. The FYA for phase 6 shall not be active if pedestrian phase 6 is active.

Existing Signals To Remain



Proposed Signals



Pushbutton (Quadrant)	Speech PB Information Message	Audible Walk Indication
P6 (SE), P6 (NE)	Wait to cross Springfield at Electric	Percussive tone
P8 (NE)	Wait to cross Electric at Springfield	Percussive tone
P2 (NW), P2 (SW)	Wait to cross Entrance at Electric	Percussive tone
P8 (NW)	Wait to cross Electric at Entrance	Percussive tone

Construction Notes:

- Note 1: Remove existing junction box.
- Note 2: Intercept existing conduit bend in signal pole foundation. Remove existing cables from signal pole and install new cables.
- Note 3: Remove cables and cap and abandon existing conduit.

Color Sequence Chart

SIGNAL	PHASES								COMBINATIONS						FLASH
	1	2	4	5	6	7	8	1-5	1-6	2-5	2-6	4-7	4-8		
1	→G	→F						→G	→G	→F	→F			→Y	
2		G								G	G			Y	
2A		G				R	G→			G	G	R	G→	Y	
4			G	G→				R	G→	R	G→		G	G→	R
5				→G	→F			→G	→F	→G	→F			→Y	
6					G					G				Y	
7						→G	G					→G	G	G	R
8							G						G		R
P2		WALK								WALK	WALK				BLANK
P6					WALK				WALK		WALK				BLANK
P8							WALK						WALK		BLANK

NOTE: BLANK SPACES REPRESENT A RED DISPLAY. * WALK INDICATION DISPLAYED AFTER PEDESTRIAN CALL IS SERVICED; OTHERWISE "DON'T WALK" INDICATION IS DISPLAYED.

1) HEADS 1 & 5: DURING FLASH MODE, THE DISPLAY OF A FLASHING LEFT-TURN YELLOW INDICATION SHALL BE ONLY FROM THE SIGNAL HEAD SECTION THAT DISPLAYS A STEADY LEFT-TURN YELLOW INDICATION DURING STEADY MODE (STOP-AND-GO) OPERATION.

CABLE AND CONDUIT LEGEND

Ⓐ 1-3" Conduit 1-14/3C For Ped Push Button 1-14/4C For Ped Head P2 1-8 AWG (EGC)	Ⓓ 1-2" Conduit 3-14/7C For Heads 1,6 1-EPDC 1-14/2C For Conf. Light 1-VDC 1-8 AWG (EGC)	Ⓔ 1-3" Bored Conduit 3-14/7C For Heads 1,6 6-14/3C For Ped Push Buttons 2-14/4C For Ped Heads P6, P8 1-EPDC 1-14/2C For Conf. Light 1-VDC 1-8 AWG (EGC)	Ⓕ 2-3" Conduit (Ex.) * 3-14/7C For Heads 1,6 6-14/3C For Ped Push Buttons 6-14/4C For Ped Heads P2, P6, P8 1-EPDC 1-14/2C For Conf. Light 1-VDC
ACRONYM/ABBREVIATION DEFINITION: (S) - Shielded Cable VDC - Video Detection Cable EGC - Equipment Grounding Conductor EPDC - Emergency Preemption Detector Cable GEC - Grounding Electrode Conductor			
* CONTRACTOR SHALL REMOVE ALL EXISTING CABLES NO LONGER IN USE.			



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CONSULTANTS



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MASON CREEK
GREENWAY PHASE 3 -
419 MULTIMODAL
IMPROVEMENTS
STATE PROJECT NO.
EN20-154-251
UPC 111367

CITY OF SALEM
21 S. BRUFFEY ST.
SALEM, VA 24153
PHONE: 540-375-3032

MARK DATE DESCRIPTION

90% PLANS

PROJECT NO: 21-0812.001
SCALE: 1" = 25'
DESIGNED BY: BM
DRAWN BY: BM
CHECKED BY: SJW
SHEET TITLE: TRAFFIC SIGNAL PLAN

SIGNAL PLAN

C8.2

X:\LEBANON\210812.001 - CITY OF SALEM PH 3 MASON CREEK GREENWAY\05-CAD\C9.0-0.2-MOT01-210812001.DWG, 5/23/2025, 4:54 PM, WIMCCART

GENERAL NOTES

1. MOT PROJECT INFORMATION

- A. IDENTIFY THE PROJECT'S MOT TYPE:

• THIS PROJECT TMP/SOC HAS BEEN DESIGNED IN CONFORMANCE WITH A TYPE A TMP/SOC PLAN.
- B. IDENTIFY THE WORK ZONE LOCATION, LENGTH, AND WIDTH:

• MAIN STREET, ELECTRIC ROAD, SPRINGFIELD AVENUE, AND MCCAULEY AVENUE – REFER TO SHEETS C9.1–9.4 FOR PROJECT LOCATION

• POSTED SPEED LIMIT: 35 MPH

• LANE CLOSURES:

1) LANE CLOSURE OPERATION IN AN INTERSECTION ALONG MAIN STREET AT SIMMS DRIVE (WITHIN CONSTRUCTION LIMITS) [TTC 28.2]

(a) LANE CLOSURE OPERATION IN AN INTERSECTION.

(b) EASTBOUND LANE AT SIMMS DR.

2) PARTIAL ROAD CLOSURE ALONG MAIN STREET (WITHIN CONSTRUCTION LIMITS) [TTC 16.2]

(a) LANE CLOSURE ON A FOUR–LANE ROADWAY.

(b) EASTBOUND LANE BETWEEN 1370 E MAIN STREET AND ELECTRIC ROAD.

3) SHOULDER CLOSURE ALONG MAIN STREET (WITHIN CONSTRUCTION LIMITS) [TTC 5.2]

(a) SHOULDER CLOSURE ON A FOUR–LANE ROADWAY.

(b) WESTBOUND LANE BETWEEN ELECTRIC ROAD AND KESSLER MILL ROAD.

4) PARTIAL ROAD CLOSURE ALONG ELECTRIC ROAD (WITHIN CONSTRUCTION LIMITS) [TTC 16.2]

(a) LANE CLOSURE ON A FOUR–LANE ROADWAY.

(b) SOUTHBOUND LANE BETWEEN MAIN STREET AND SPRINGFIELD AVE.

5) LANE CLOSURE AT AN INTERSECTING ROADWAY ALONG ELECTRIC ROAD (WITHIN CONSTRUCTION LIMITS) [TTC 68.0]

(a) LANE CLOSURE AT AN INTERSECTING ROADWAY.

(b) LAKESIDE PLAZA DRIVEWAY AND ELECTRIC ROAD..

6) PARTIAL ROAD CLOSURE ALONG ELECTRIC ROAD (WITHIN CONSTRUCTION LIMITS) [TTC 16.2]

(a) LANE CLOSURE ON A FOUR–LANE ROADWAY.

(b) SOUTHBOUND LANE BETWEEN SPRINGFIELD AVENUE AND MCCAULEY AVENUE.

7) PARTIAL ROAD CLOSURE ALONG ELECTRIC ROAD (WITHIN CONSTRUCTION LIMITS) [TTC 16.2]

(a) LANE CLOSURE ON A FOUR–LANE ROADWAY.

(b) NORTHBOUND LANE BETWEEN MCCAULEY AVENUE DRIVE AND SPRINGFIELD AVE.

8) PARTIAL ROAD CLOSURE ALONG ELECTRIC ROAD (WITH CONSTRUCTION LIMITS) [TTC 17.2]

(a) INSIDE LANE CLOSURE ON A FOUR–LANE ROADWAY.

(b) NORTHBOUND LANE BETWEEN SPRINGFIELD AVENUE AND LAKESIDE PLAZA DRIVEWAY.

C. NOTE THE HOURS THE CONSTRUCTION AREA WILL BE ACTIVE

• CONSTRUCTION AREA SHALL BE CONSIDERED ACTIVE WHEN WORKERS ARE PRESENT.

• ALLOWABLE CLOSURE HOURS FOR THIS ROADWAY ARE AS FOLLOWS:
- | SINGLE LANE CLOSURES (LOCAL) | | | |
|------------------------------|-------------------------|------------------|--------------------|
| | MONDAY THROUGH THURSDAY | FRIDAY | SATURDAY TO SUNDAY |
| DAY | 9:00AM TO 4:00PM | 9:00AM TO 3:00PM | – |
- HOLIDAY LANE CLOSURES WILL BE IN ACCORDANCE WITH SPECIFICATION 108.02 OF THE 2020 VDOT ROAD AND BRIDGE SPECIFICATIONS UNLESS OTHERWISE APPROVED BY THE CITY OF SALEM.
- DESIGNATION OF PEAK HOUR TIMES:

6:00AM TO 9:00AM AND 3:30PM TO 7:00PM. THIS IS A PEDESTRIAN, LOCAL, AND TRADES TRAFFIC AREA.

• WEEKEND WORK SHALL NOT BE PERMITTED UNLESS APPROVED ON A CASE TO CASE BASIS BY THE CITY ENGINEER.

• NIGHT TIME WORK SHALL NOT BE PERMITTED UNLESS APPROVED BY THE CITY OF SALEM.

D. THE TMP/SOC PLAN, DURING CONSTRUCTION, SHALL BE IN ACCORDANCE WITH THE LATEST REVISIONS OF SECTIONS 512, 701, 703, & 704 OF THE VIRGINIA DEPARTMENT OF TRANSPORTATION ROAD AND BRIDGE SPECIFICATIONS, DATED 2020, THE 2011 VIRGINIA WORK AREA PROTECTION MANUAL REVISION 2.1, AND THE VIRGINIA SUPPLEMENT TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, 2011 EDITION.

E. NOTE ANY EXISTING ENTRANCES, EXISTING INTERSECTIONS, OR PEDESTRIAN ACCESS POINTS THAT WILL BE AFFECTED BY THE CONSTRUCTION AREA OR BY TRAFFIC CONTROL DEVICES:

• EXISTING ENTRANCES:EXISTING INTERSECTIONS:

o SIMMS DRIVE, SPRINGFIELD AVENUE, MCCAULEY AVE

• EXISTING INTERSECTIONS:

o MAIN STREET AND SIMMS DRIVE

o ELECTRIC ROAD AND SPRINGFIELD AVENUE

o ELECTRIC ROAD AND MCCAULEY AVENUE

• EXISTING PEDESTRIAN ACCESS POINTS

o LAKESIDE PLAZA SHOPPING CENTER & HANGING ROCK TRAIL HEAD.

• EXISTING BUS STOPS:

o GOODWILL & LAKESIDE PLAZA ON MAIN STREET

• IDENTIFY MAJOR TYPES OF TRAVELERS:

o PEDESTRIANS, LOCAL, TRADES (UTILITY TRUCKS, TRASH DISPOSAL, MAIL)

F. THE CONTRACTOR SHALL:

• DESIGNATE A PERSON ASSIGNED TO THE PROJECT WHO WILL HAVE THE PRIMARY RESPONSIBILITY, WITH SUFFICIENT AUTHORITY, FOR IMPLEMENTING THE TMP/SOC AND OTHER SAFETY AND MOBILITY ASPECTS OF THE PERMIT WORK. THIS PERSON SHALL COORDINATE WITH THE CITY OF SALEM CONSTRUCTION INSPECTOR FOR THE DURATION OF CONSTRUCTION.

• ENSURE THAT PERSONNEL ASSIGNED TO THE PROJECT ARE TRAINED IN TRAFFIC CONTROL TO A LEVEL COMMENSURATE WITH THEIR RESPONSIBILITIES IN ACCORDANCE WITH VDOT'S WORK ZONE TRAFFIC CONTROL TRAINING GUIDELINES.

• INFORM THE ENGINEER OF ANY WORK REQUIRING LANE SHIFTS, LANE CLOSURES, AND/OR PHASE CHANGES A MINIMUM OF ONE WEEK PRIOR TO IMPLEMENTING ACTIVITY.

• PERFORM REVIEWS OF THE CONSTRUCTION AREA TO ENSURE COMPLIANCE WITH CONTRACT DOCUMENTS AT REGULARLY SCHEDULED INTERVALS AND AT THE DIRECTION OF THE ENGINEER. CONTRACTOR SHALL MAINTAIN A COPY OF THE TEMPORARY TRAFFIC CONTROL PLAN AT THE WORK SITE AT ALL TIMES.

• COORDINATE WITH THE CITY OF SALEM POLICE DEPARTMENT AND THE CITY OF SALEM FIRE/RESCUE DEPARTMENT FOR ANY LANE CLOSURES AND ANY DETOURS OF ANY NATURE.

• SCHEDULE ALL PHASES OF CONSTRUCTION IN SUCH A MANNER THAT WATER, SANITARY SEWER, FIBER CABLE/OPTIC CABLE, ANY OVERHANGING UTILITIES, AND ANY UNDERGROUND UTILITIES SERVICES WILL NOT BE INTERRUPTED.

2. THIS TMP PLAN IS INTENDED AS A GUIDE. IT IS NOT TO ENUMERATE EVERY DETAIL WHICH MUST BE CONSIDERED IN THE CONSTRUCTION OF EACH PHASE, BUT ONLY TO SHOW THE GENERAL HANDLING OF EXISTING TRAFFIC. IF THE CONTRACTOR IS TO DEVIATE FROM THE APPROVED TMP, A NEW OR REVISED TMP MUST BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL.

3. CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE FOR THE DURATION OF THE PROJECT. CONTRACTOR SHALL ADD ANY ADDITIONAL TEMPORARY MEASURES NECESSARY TO FACILITATE POSITIVE DRAINAGE FOR THE DURATION OF CONSTRUCTION.

4. UNLESS SPECIFIED ON THE PLANS, ALL EXISTING TURN LANES SHALL BE MAINTAINED AT ALL TIMES FOR THE DURATION OF CONSTRUCTION.

5. THE CONTRACTOR SHALL COORDINATE WITH THE CITY OF SALEM FOR LOCATION(S) OF THE CONSTRUCTION STAGING AREA WITHIN THE LIMITS OF CONSTRUCTION.

6. IMPLEMENTING THE TRANSPORTATION MANAGEMENT PLAN

A. DURING THE FIRST DAY OF THE NEW WORK ZONE TRAFFIC PATTERN, THE PROJECT MANAGER AND PROJECT CONSTRUCTION INSPECTOR SHALL INSPECT THE WORK ZONE TO ENSURE COMPLIANCE WITH THE TMP. ON THE THIRD TO FOURTH DAY OF THE IMPLEMENTATION OF THE TMP'S NEW WORK ZONE TRAFFIC PATTERN, THE CONSTRUCTION INSPECTOR SHALL CONDUCT AN ON–SITE REVIEW OF THE WORK ZONE'S PERFORMANCE, IN COORDINATION WITH THE ENGINEER, AND RECOMMEND TO THE CONTRACTOR ANY REQUIRED CHANGES TO THE TMP TO ENHANCE THE WORK ZONE'S SAFETY AND MOBILITY. ALL SUCH CHANGES SHALL BE DOCUMENTED. AN ON–SITE REVIEW OF THE PROJECT'S WORK ZONE TRAFFIC CONTROL BY THE CITY'S CONSTRUCTION INSPECTOR AND THE CONTRACTOR SHALL BE CONDUCTED WITHIN 48 HOURS OF ANY FATAL INCIDENT/CRASH WITHIN THE WORK ZONE.

7. EVALUATION OF TRANSPORTATION MANAGEMENT PLAN

A. PERFORMANCE ASSESSMENT OF THE TMP, INCLUDING AREA WIDE IMPACTS ON ADJACENT ROADWAYS, SHALL BE PERFORMED BY THE CITY OF SALEM, IF REQUESTED BY VDOT.

8. PUBLIC COMMUNICATIONS PLAN

A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR:

• NOTIFYING THE PROJECT MANAGER AND CONSTRUCTION INSPECTOR TWO WEEKS IN ADVANCE OF ANY SCHEDULED WORK PLANS AND TRAFFIC DELAYS.

• NOTIFYING THE PROJECT MANAGER, CONSTRUCTION INSPECTOR, AND CORRESPONDING ENGINEER OF ANY UNSCHEDULED TRAFFIC DELAYS.

9. TRANSPORTATION OPERATIONS

A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING AND PROVIDING THE FOLLOWING:

• THE APPLICANT/CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING PROJECT LANE CLOSURE INFORMATION OR ANY WORK WITHIN VDOT RIGHT–OF–WAY ON LCAMS AN VATRAFFIC THROUGHOUT THE DURATION OF THE PROJECT IN ACCORDANCE WITH IIM–OD–16–03, DATED DECEMBER 16, 2016. ALL LANE AND/OR SHOULDER CLOSURES SHALL BE ENTERED INTO LCAMS AT LEAST ONE (1) WEEK IN ADVANCE OF THE PROPOSED LANE AND/OR SHOULDER AND NO LATER THAN CLOSE OF BUSINESS THURSDAY THE WEEK PRIOR TO THE CLOSURE STATING THE LOCATION, PURPOSE, SPECIFIC LANE(S) TO BE CLOSED, TIME AND DURATION OF CLOSURE. ANY CONFLICTS GENERATED FROM LCAMS SHALL BE RESOLVED NO LATER THAN CLOSE OF BUSINESS THURSDAY THE WEEK PRIOR TO THE CLOSURE.

• KEEP A LIST OF LOCAL EMERGENCY RESPONSE AGENCIES ONSITE AT ALL TIMES.

• IMMEDIATELY REPORT ANY TRAFFIC INCIDENTS THAT MAY OCCUR IN THE WORK ZONE.

• NOTIFY THE PROJECT'S CONSTRUCTION INSPECTOR AND CORRESPONDING ENGINEER OF ANY INCIDENTS AND EXPECTED DELAYS

• WITHIN 48 HOURS OF ANY INCIDENTS WITHIN THE CONSTRUCTION WORK ZONE, A REVIEW OF TRAFFIC CONTROLS SHALL BE COMPLETED, AND NECESSARY ADJUSTMENTS MADE TO REDUCE THE FREQUENCY AND SEVERITY OF ANY FUTURE INCIDENTS.

B. CONTACT NUMBERS

• CITY PROJECT MANAGER:(540) 375–3032

• CITY CONSTRUCTION INSPECTOR:(540) 580–4753

• POLICE/AMBULANCE/FIRE SAFETY/HAZMAT SPILLS – 911

• VDOT SALEM TRAFFIC OPERATIONS CENTER – (540) 375–0170

• VIRGINIA STATE POLICE SALEM (DIV. 6) – (540) 375–9500

C. NON–EMERGENCY NUMBERS

• SALEM POLICE DEPARTMENT – (540) 375–3078

• THE CITY OF SALEM FIRE AND RESCUE – (540) 375–3080

10. ANY REQUEST FOR DEVIATION FROM THE ALLOWABLE LANE CLOSURE HOURS MUST BE SUBMITTED TO CITY OF SALEM FOR REVIEW A MINIMUM OF FOURTEEN (14) DAYS IN ADVANCE OF WORK.

11. LANE CLOSURES OR SHOULDER WORK SHALL NOT BEGIN IF HEAVY TRAFFIC OR SIGNIFICANT QUEUING AND BACKUPS ARE ALREADY PRESENT ALONG THE ROADWAY(S).

12. THE APPLICANT/CONTRACTOR SHALL CONTINUALLY MONITOR ALL LANE CLOSURE(S) AND DETOUR ROUTE(S), (SPECIFICALLY THOSE RELATED TO I–81 NORTH) AND MAKE SPOT ADJUSTMENTS AS NEEDED/AVAILABLE AS NEEDED /AVAILABLE TO EASE UNDUE BACKUPS, DELAYS, OR QUEUING AND REOPEN AVAILABLE LANES IMMEDIATELY, IF NECESSARY.

13. ALL LANE CLOSURES WILL BE REQUIRED TO BE REMOVED WITHIN 30 MINUTES OF AN INCIDENT NOTIFICATION ON 81 NORTH BOUND.

14. LANE AND SHOULDER CLOSURE HOURS OF OPERATION MAY BE ADJUSTED BY CITY OF SALEM ENGINEER AT ANYTIME, AS NECESSARY, IF SIGNIFICANT TRAFFIC IMPACTS ROUTINELY DEVELOP AS A RESULT OF THE PROJECT OR CITIZEN COMPLAINTS ARE RECEIVED.

15. ALL LANE CLOSURES SHALL BE COMPLETELY REMOVED ON A DAILY BASIS WITH ALL LANES BEING FULLY OPEN TO TRAFFIC AT ALL TIMES BEYOND THE ALLOWABLE AND/OR APPROVED LANE CLOSURE HOURS.

CONSTRUCTION NARRATIVE

1. CONTRACTOR SHALL INSTALL EROSION AND SEDIMENT CONTROLS AS APPROPRIATE PRIOR TO STARTING WORK.

2. SET CONSTRUCTION SIGNS AND TEMPORARY TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH FIGURES TTC–5.2, TTC–16.2, TTC–26.2, TTC–27.2,TTC–29.2, AND TTC–42.2 PER THE 2011 VIRGINIA WORK AREA PROTECTION MANUAL REVISION 2.1.

3. CONTRACTOR SHALL REPLACE PAVEMENT, CURB AND GUTTER IMPACTED AREAS IN KIND.

4. CONTRACTOR SHALL MAINTAIN PROPERTY OWNERS ACCESS TO THEIR PROPERTIES AT ALL TIMES.

TRAFFIC CONTROL SEQUENCE OF CONSTRUCTION

THE INTENT OF THIS SEQUENCE OF CONSTRUCTION IS FOR TRAFFIC CONTROL PURPOSES ONLY AND SHOULD IN NO WAY DICTATE THE DESIGN AND INSTALLATION OF THE PROPOSED SIDEWALK, BUS STOPS, PEDESTRIAN SIGNAL UPGRADES AND RELATED WORK. BELOW IS A PROPOSED SEQUENCE OF CONSTRUCTION. THE CONTRACTOR'S SEQUENCE OF CONSTRUCTION MAY VARY FROM WHAT IS OUTLINED BELOW. CONTRACTOR SHALL SUBMIT SCHEDULE OUTLINING WORK SEQUENCE TO MEET THE REQUIREMENTS OF VDOT AND THE CONTRACT DOCUMENTS.

1. INSTALL SIDEWALK SEGMENT 7–1 ALONG ELECTRIC ROAD.

F. INSTALL TEMPORARY TRAFFIC CONTROL MEASURES ON ELECTRIC RD. AT LEAST ONE SOUTHBOUND LANE ON ELECTRIC ROAD SHOULD REMAIN OPEN AT ALL TIMES.

2. INSTALL SIDEWALK SEGMENT 6–1 ALONG ELECTRIC ROAD.

A. INSTALL TEMPORARY TRAFFIC CONTROL MEASURES ON ELECTRIC RD. AT LEAST ONE SOUTHBOUND LANE ON ELECTRIC ROAD SHOULD REMAIN OPEN AT ALL TIMES.

3. INSTALL SIDEWALK SEGMENT 5–1 ALONG ELECTRIC ROAD.

A. INSTALL TEMPORARY TRAFFIC CONTROL MEASURES ON ELECTRIC RD. AT LEAST ONE SOUTHBOUND LANE ON ELECTRIC ROAD SHOULD REMAIN OPEN AT ALL TIMES.

4. INSTALL SIDEWALK SEGMENT 4–1 ALONG ELECTRIC ROAD.

A. INSTALL TEMPORARY TRAFFIC CONTROL MEASURES ON ELECTRIC RD. AT LEAST ONE SOUTHBOUND LANE ON ELECTRIC ROAD SHOULD REMAIN OPEN AT ALL TIMES.

5. INSTALL SIDEWALK SEGMENT ALONG THE EAST SIDE OF ELECTRIC RD BETWEEN MCCAULEY AVE AND SPRINGFIELD AVE

A. INSTALL TEMPORARY TRAFFIC CONTROL MEASURES ON ELECTRIC RD. AT LEAST ONE NORTHBOUND LANE ON ELECTRIC ROAD SHOULD REMAIN OPEN AT ALL TIMES.

6. RECONSTRUCT MEDIAN ALONG ELECTRIC ROAD

A. INSTALL TEMPORARY TRAFFIC CONTROL MEASURES ON ELECTRIC ROAD. AT LEAST ONE NORTH BOUND AND SOUTHBOUND LANE ALONG ELECTRIC ROAD SHOULD REMAIN OPEN AT ALL TIMES.

7. INSTALL SIDEWALK AND BUS STOPS ALONG MAIN STREET.

A. INSTALL TEMPORARY TRAFFIC CONTROL MEASURES ON MAIN STREET. AT LEAST ONE WESTBOUND AND EASTBOUND LANE ON MAIN STREET SHOULD REMAIN OPEN AT ALL TIMES.

TEMPORARY TRAFFIC CONTROL SIGNS, AND ALL OTHER FORMS OF TEMPORARY TRAFFIC CONTROL SHALL ONLY BE INSTALLED DURING APPROVED WORKING HOURS AND MUST BE REMOVED AFTER EACH WORKDAY. THE ROADWAY SHALL BE TEMPORARILY RESTORED AND TEMPORARILY STRIPED, AS NEEDED, AT THE END OF EACH WORKDAY.

ACCESS TO ALL ENTRANCES SHALL BE MAINTAINED THROUGHOUT THE DURATION OF CONSTRUCTION. ALL PROPERTIES SHALL BE ACCESSIBLE AT ALL TIMES.

AMT

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CONSULTANTS

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PHONE: 703-569-5851
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MASON CREEK
GREENWAY PHASE 3 -
419 MULTIMODAL
IMPROVEMENTS
STATE PROJECT NO.
0419-129-248
UPC 111367

CITY OF SALEM
21 S. BRUFFEY ST.
SALEM, VA 24153
PHONE: 540-375-3032

MARK	DATE	DESCRIPTION
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R.O.W. PLANS

PROJECT NO:	21-0812.001
SCALE:	N/A
DESIGNED BY:	AMT
DRAWN BY:	AMT
CHECKED BY:	AMT

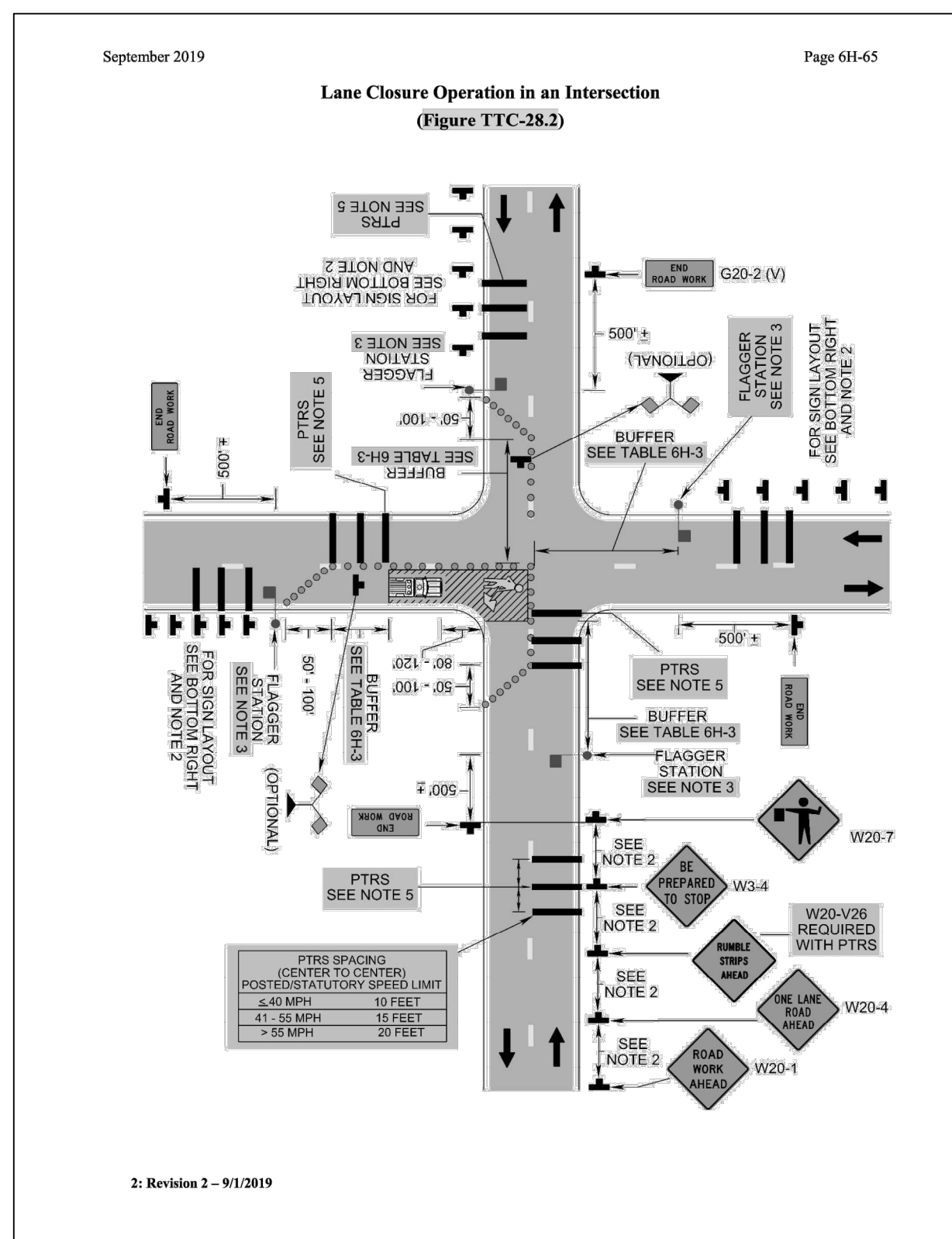
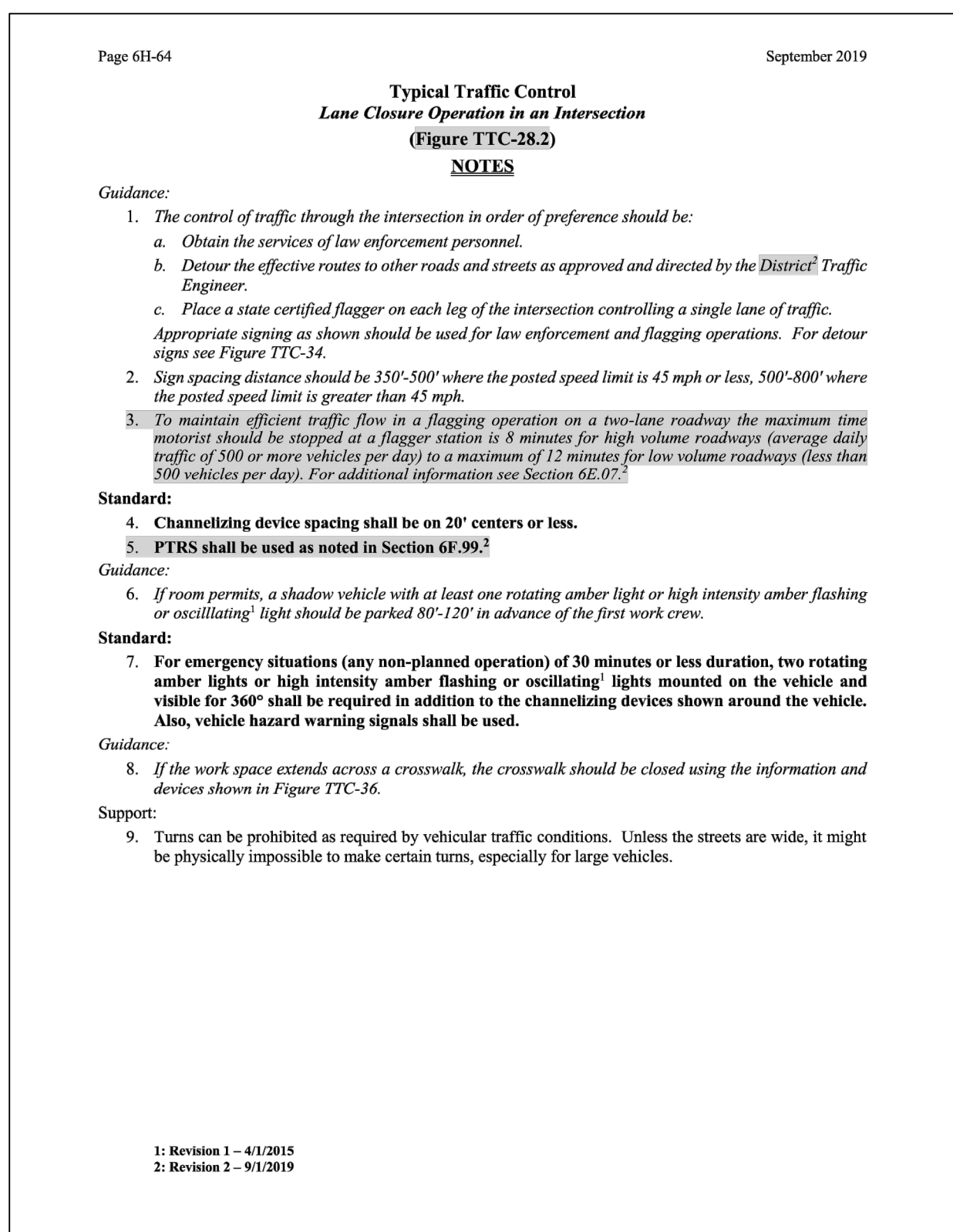
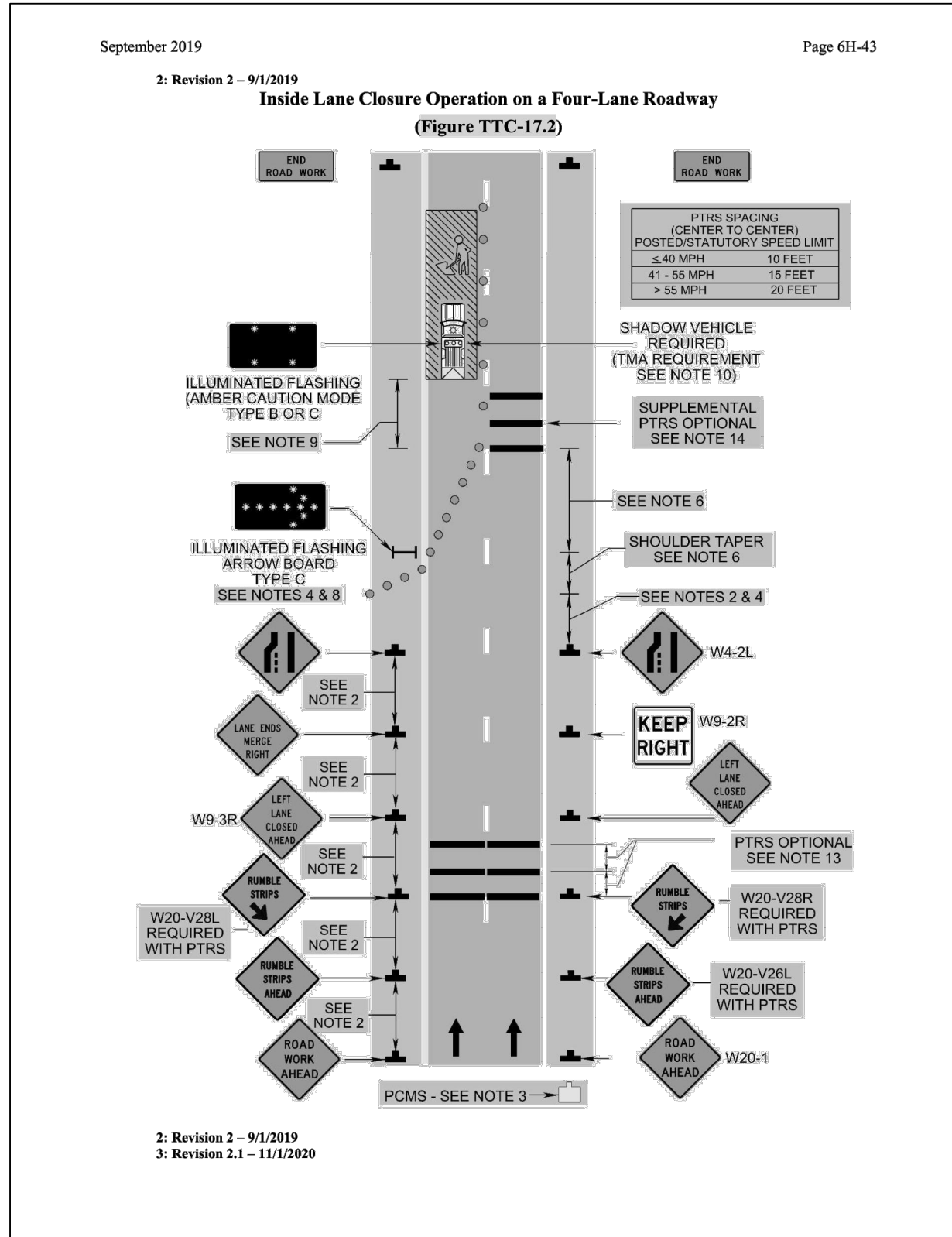
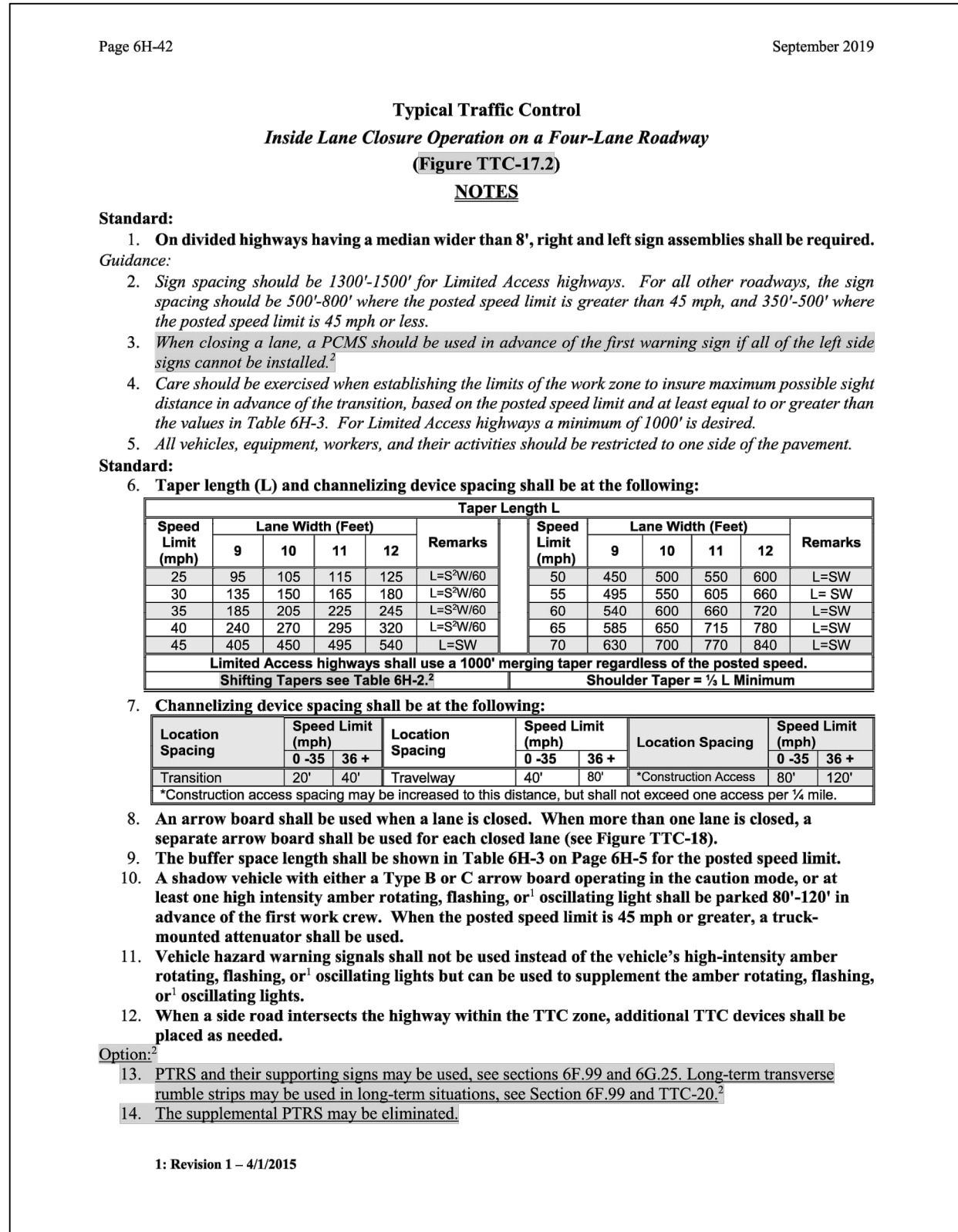
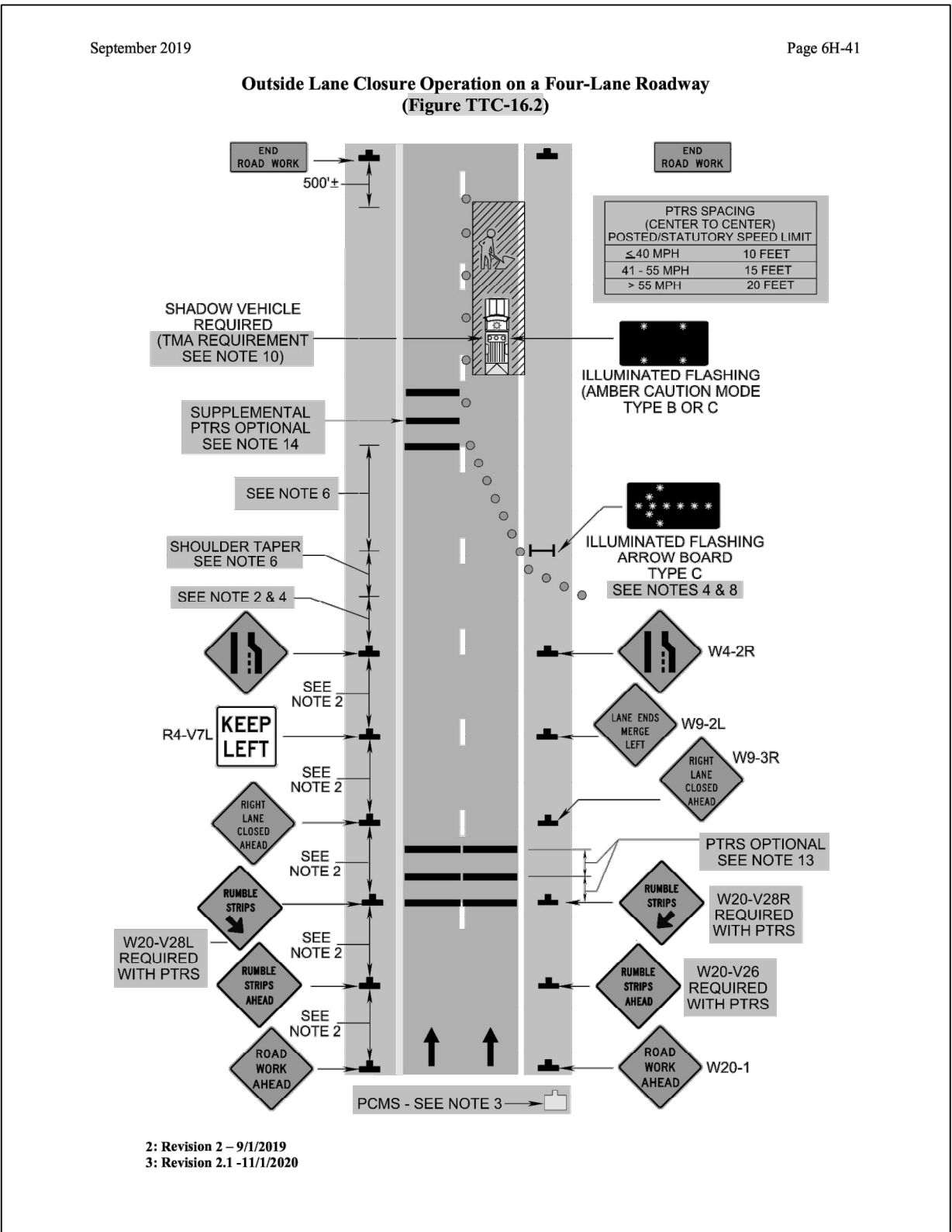
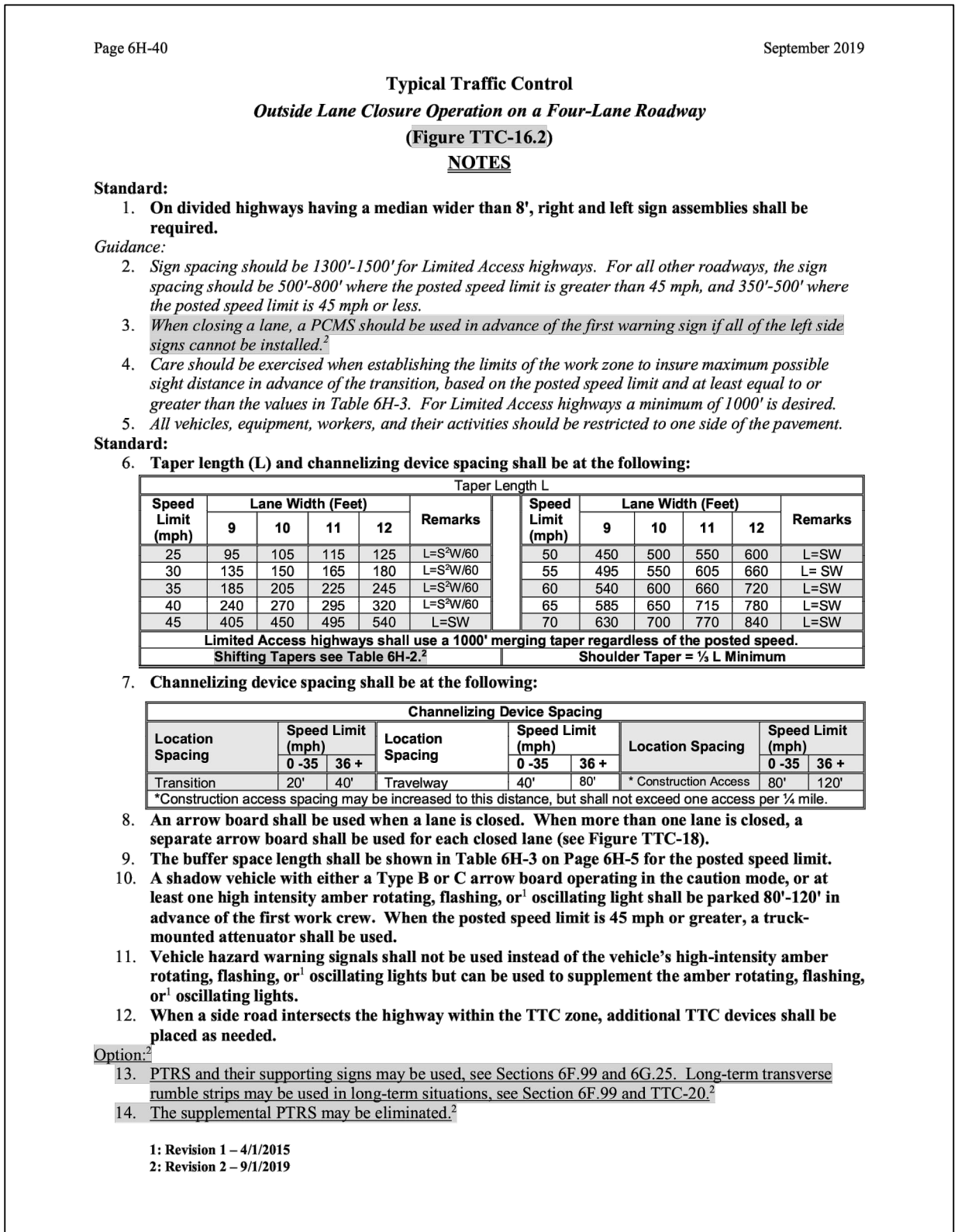
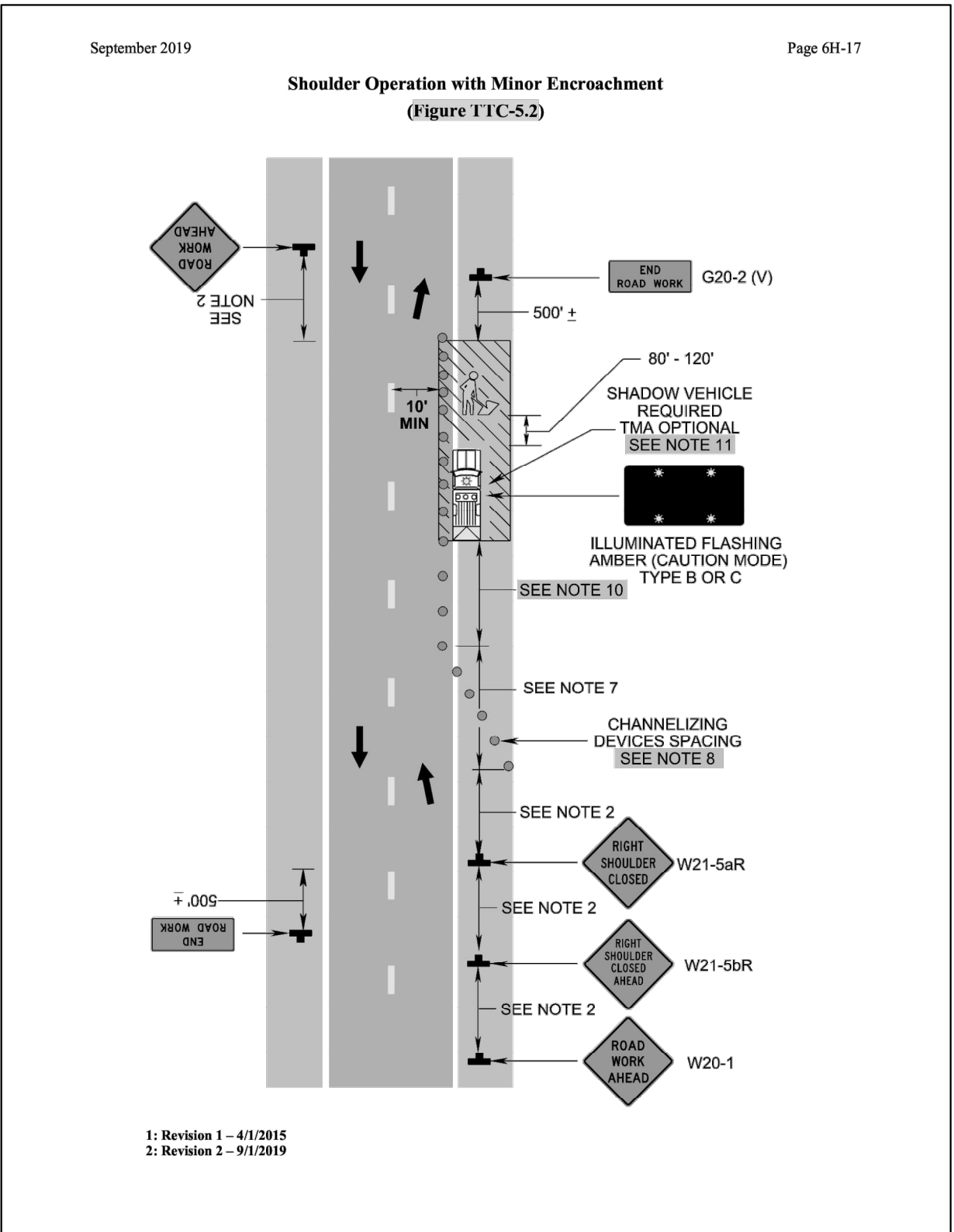
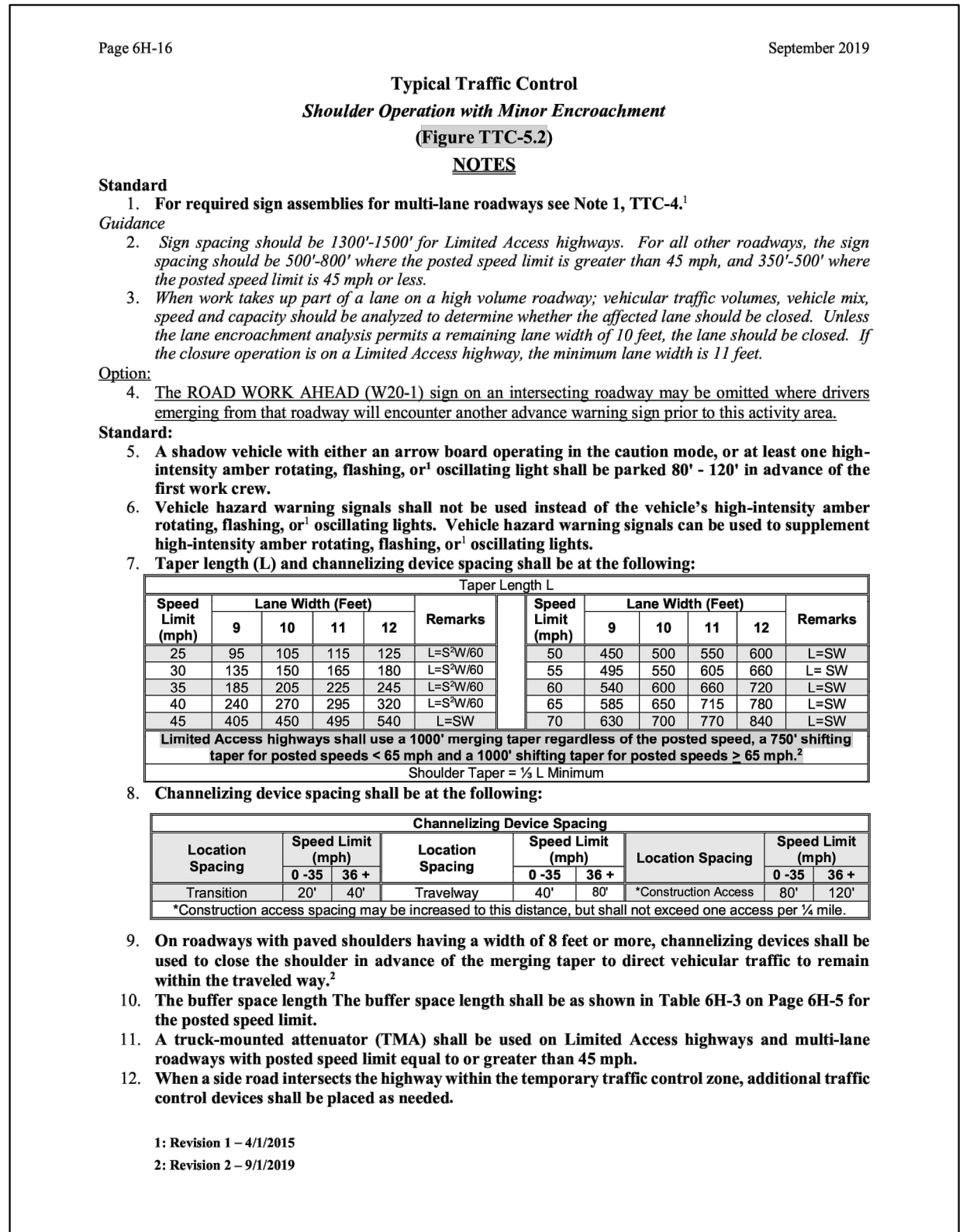
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MOT NOTES

C9.0

SHEET 27 OF 48

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MOT DETAILS

C9.1

SHEET 28 OF 48

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Page 6H-144

July 2019

Typical Traffic Control
Lane Closure Operation for Flagging Operations on an Intersecting Roadway²
(Figure TTC-68.0)

NOTES

Guidance:

1. Sign spacing distance should be 350'-500' where the posted speed limit is 45 mph or less, 500'-800' where the posted speed limit is greater than 45 mph.

Standard:

2. Channelizing devices shall be spaced a maximum of 10' through the intersection.
3. Traffic controlled by the flagger on the multi-lane roadway shall not queue traffic into the through lane.

Guidance:

4. If room permits, a shadow vehicle with at least one amber rotating, oscillating, or strobe light should be parked 80'-120' in advance of the first work crew.

Standard:

5. If the posted speed limit is 45 mph or greater, the shadow vehicle shall have a truck-mounted attenuator.
6. For emergency situations (any non-planned operation) of 30 minutes or less duration, two rotating amber lights or two high intensity amber flashing or oscillating lights mounted on the vehicle and visible for 360° shall be required in addition to the channelizing devices shown around the vehicle. Also, vehicle hazard warning signals shall be used.

Guidance:

7. If the work space extends across a crosswalk, the crosswalk should be closed using the information and devices shown in Figure TTC-36.

Standard:

8. If the left turn lane is closed a NO LEFT TURN (Symbol) (R3-2) shall be used.
9. If through traffic is not permitted a NO STRAIGHT THROUGH (Symbol) (R3-27) shall be used.
10. If through traffic is not permitted a MANDATORY MOVEMENT LANE CONTROL (Symbol) (R3-5R) shall be used.

Option:

11. On long-term projects a ONEWAY (R1-6R) sign may be used to supplement the R3-5R sign.²

Guidance:

12. A PCMS should be considered as part of the traffic control plan to provide clear guidance to motorists warning of the movement prohibition.

Standard:

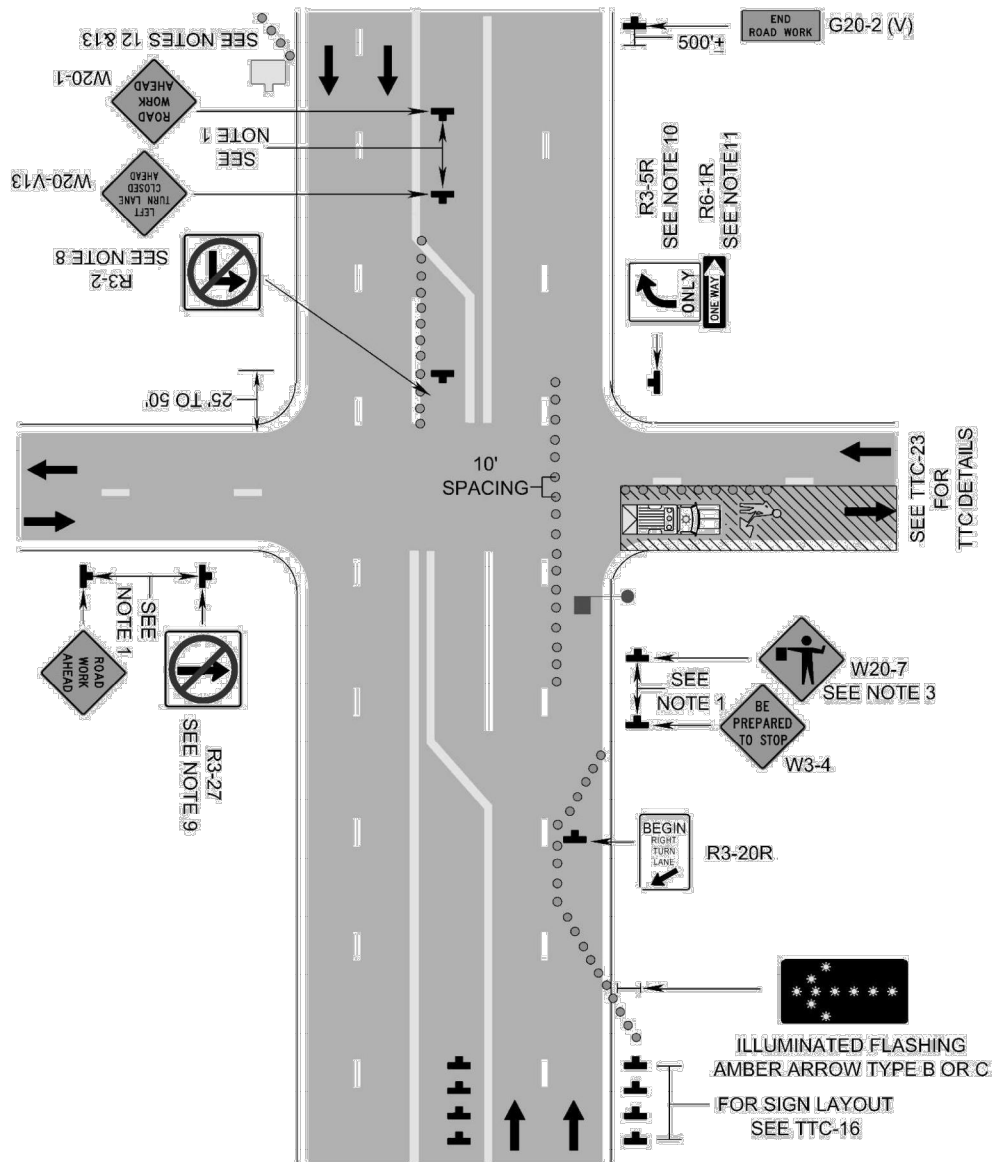
13. A minimum of 4 drum channelizing devices shall be placed on the shoulder in advance of the PCMS in a taper for delineation (see Figure 6F-6).

2: Revision 2 - 9/1/2019

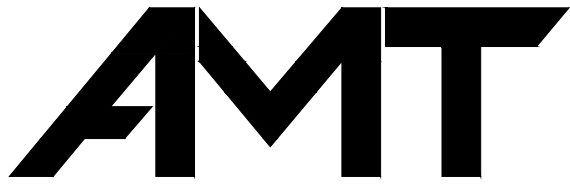
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Page 6H-145

Lane Closure Operation for Flagging Operations on an Intersecting Roadway²
(Figure TTC-68.0)



2: Revision 2 - 9/1/2019



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SHEET 29 OF 48

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MOT PLAN SB ELEC. RD
ZONE 1

C9.4

SHEET 31 OF 48

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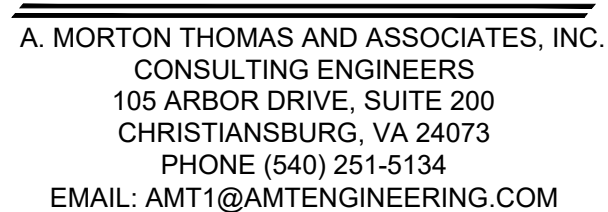
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MOT PLAN SB ELEC. RD
ZONE 2

C9.5



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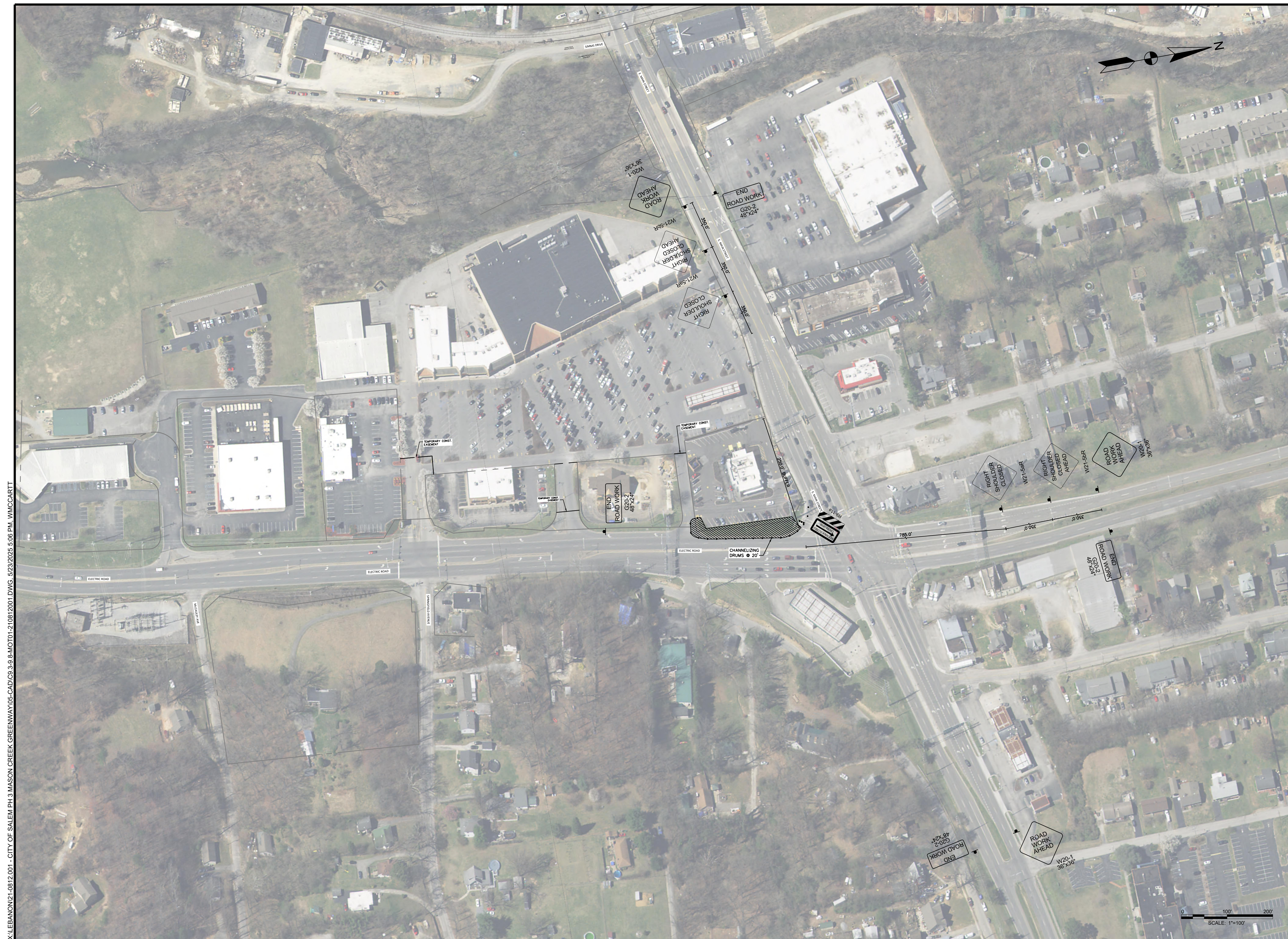
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ZONE 3

C9.6

SHEET 33 OF 48



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MATCHLINE - SEE SHEET C9.7(2)



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SHEET 34 OF 48

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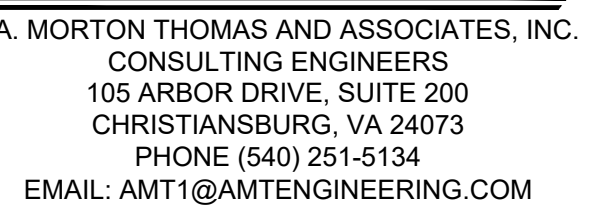
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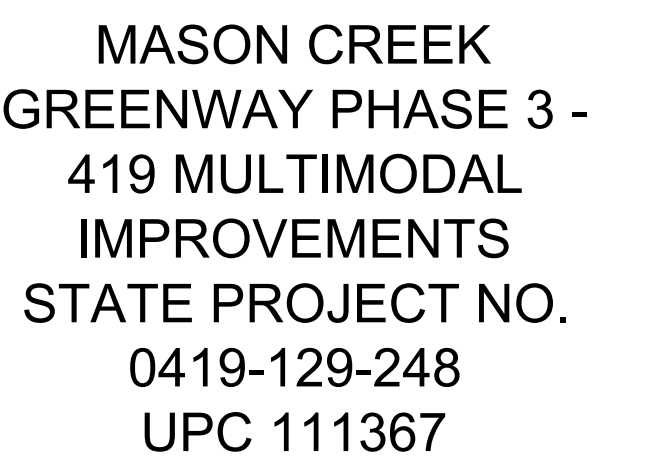
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SHEET 35 OF 48



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MOT PLAN MAIN ZONE 1

C9.8

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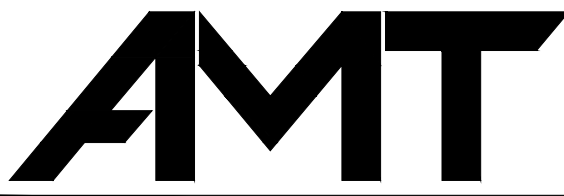
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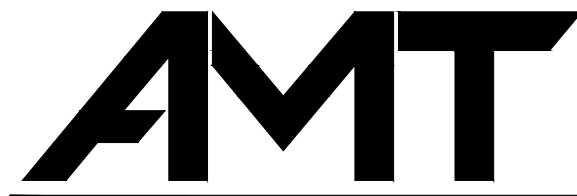
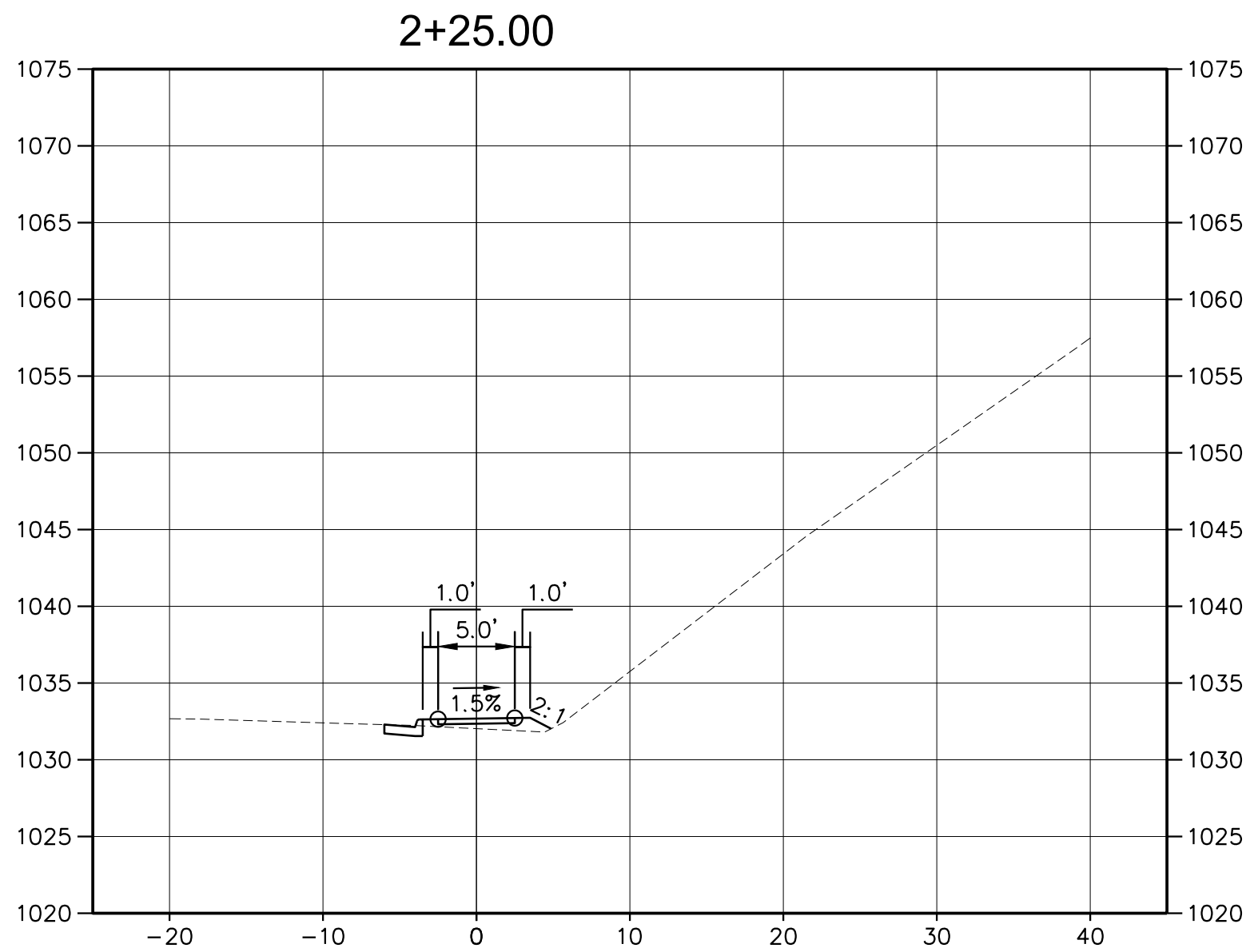
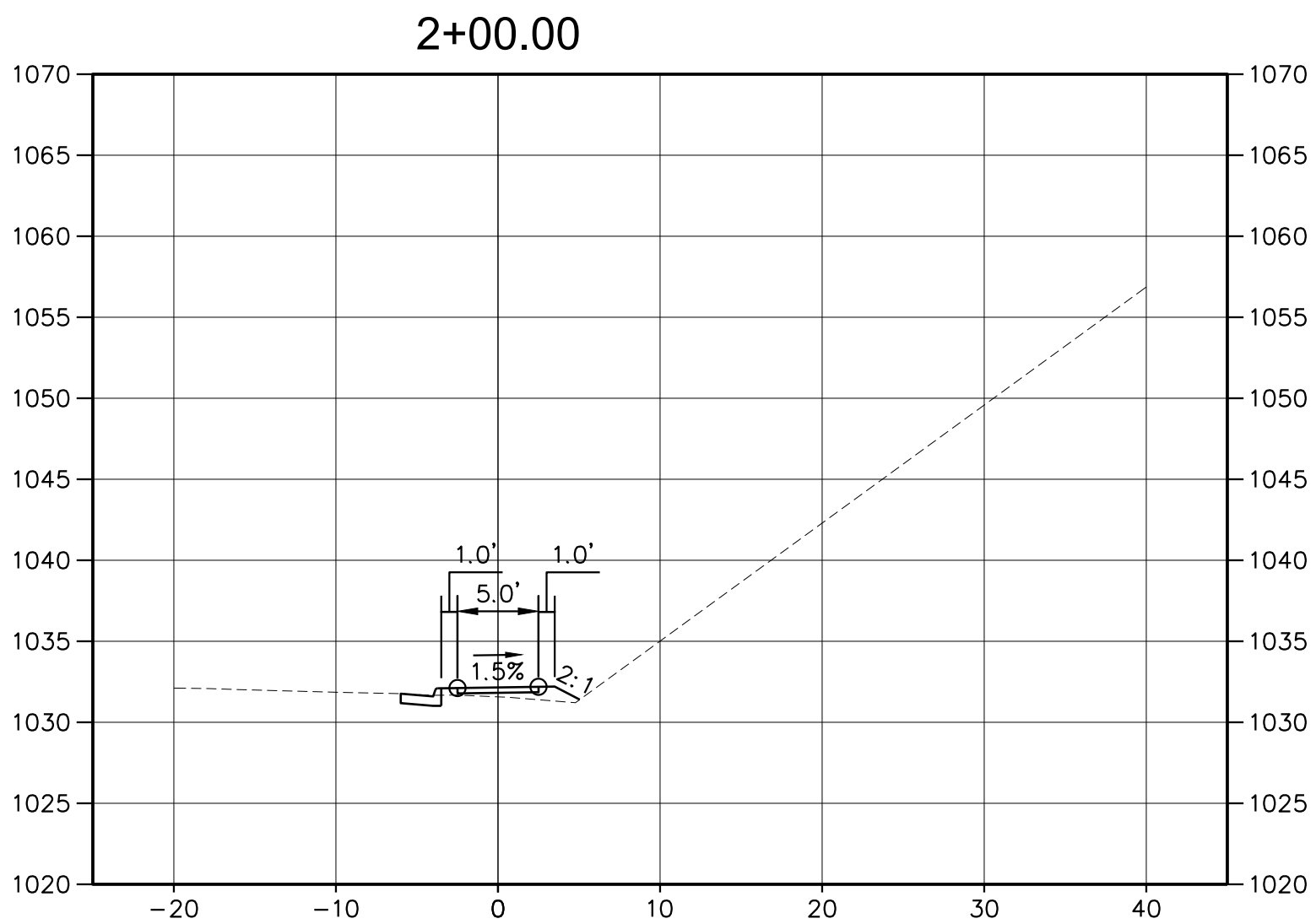
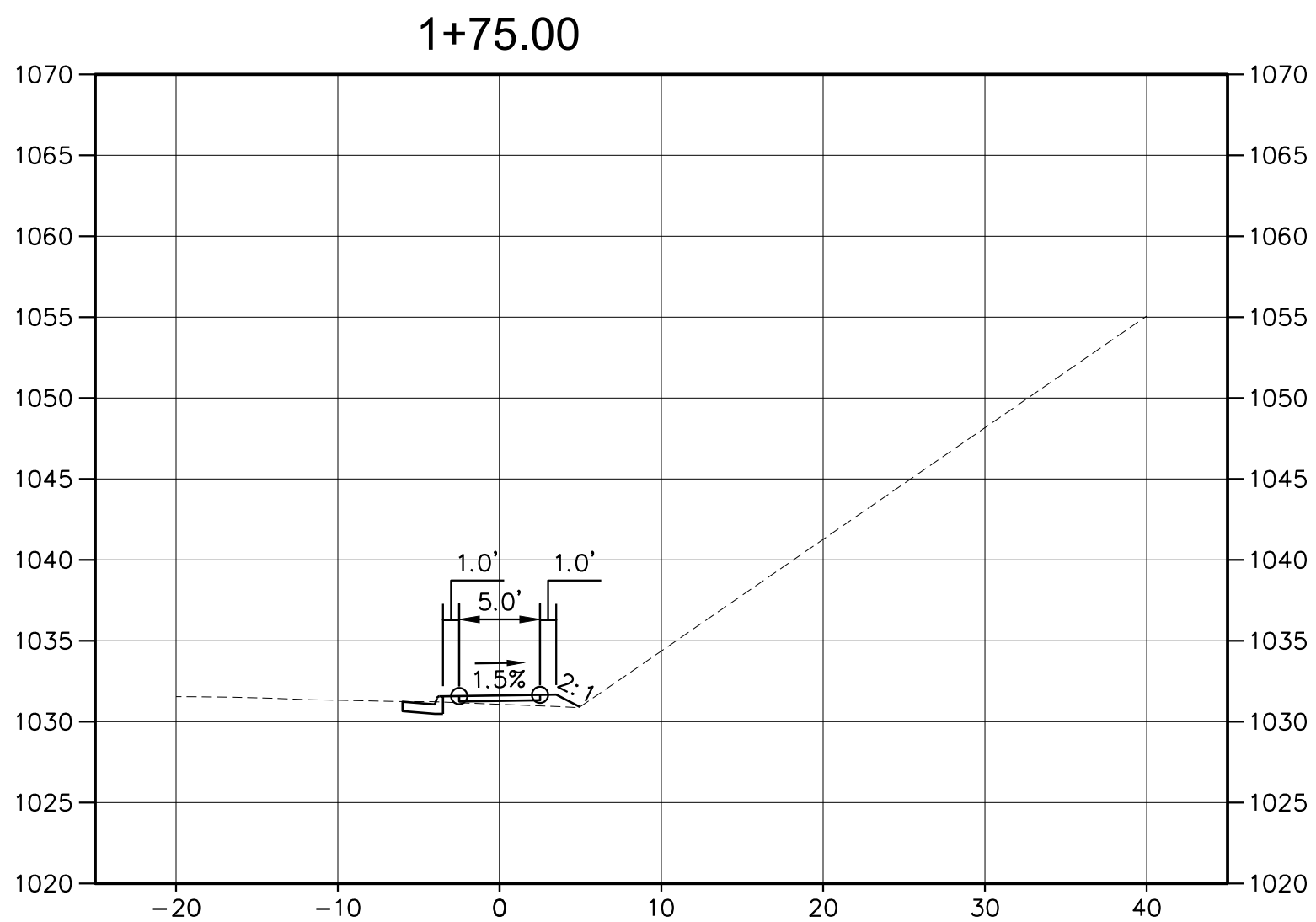
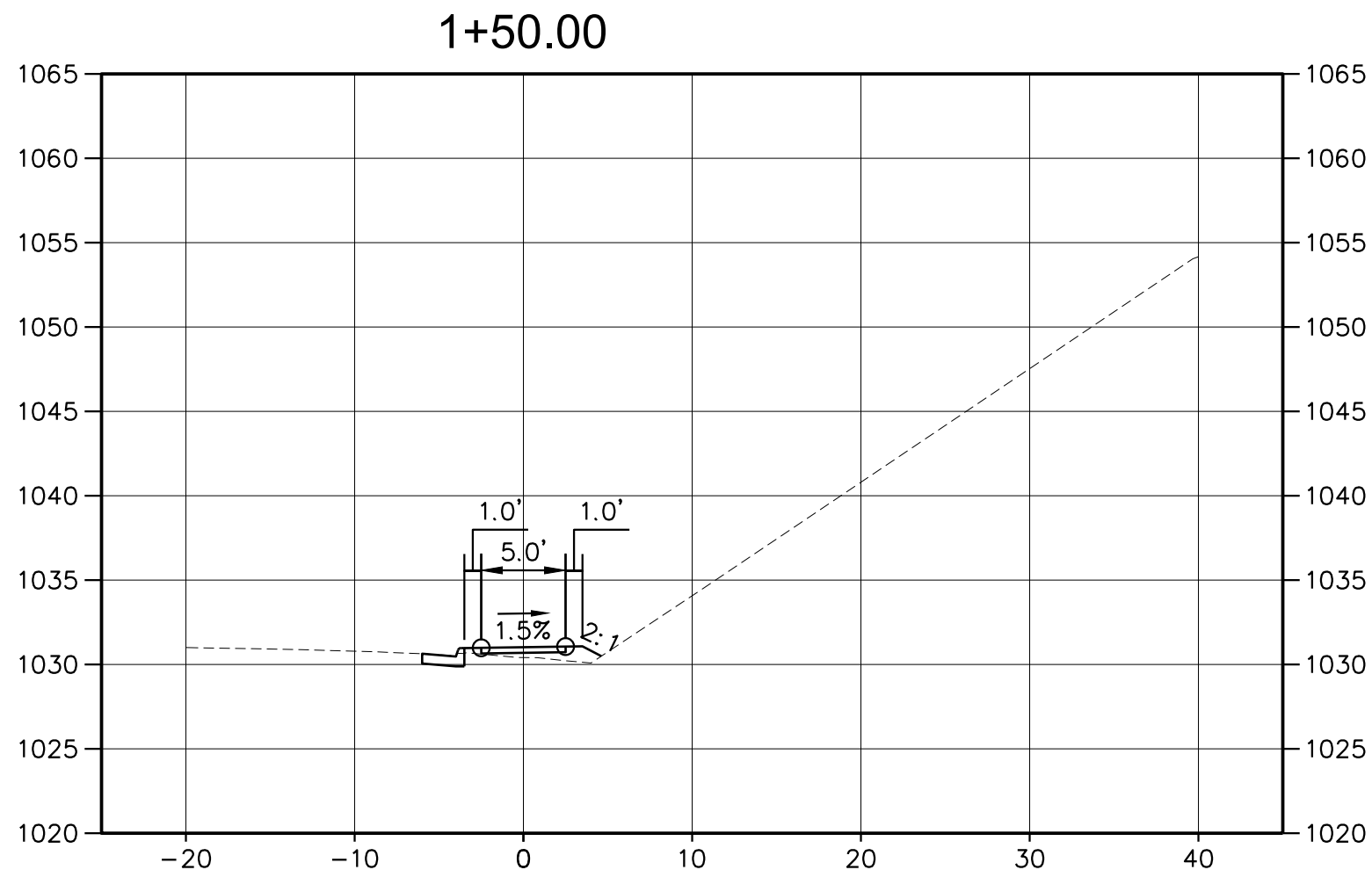
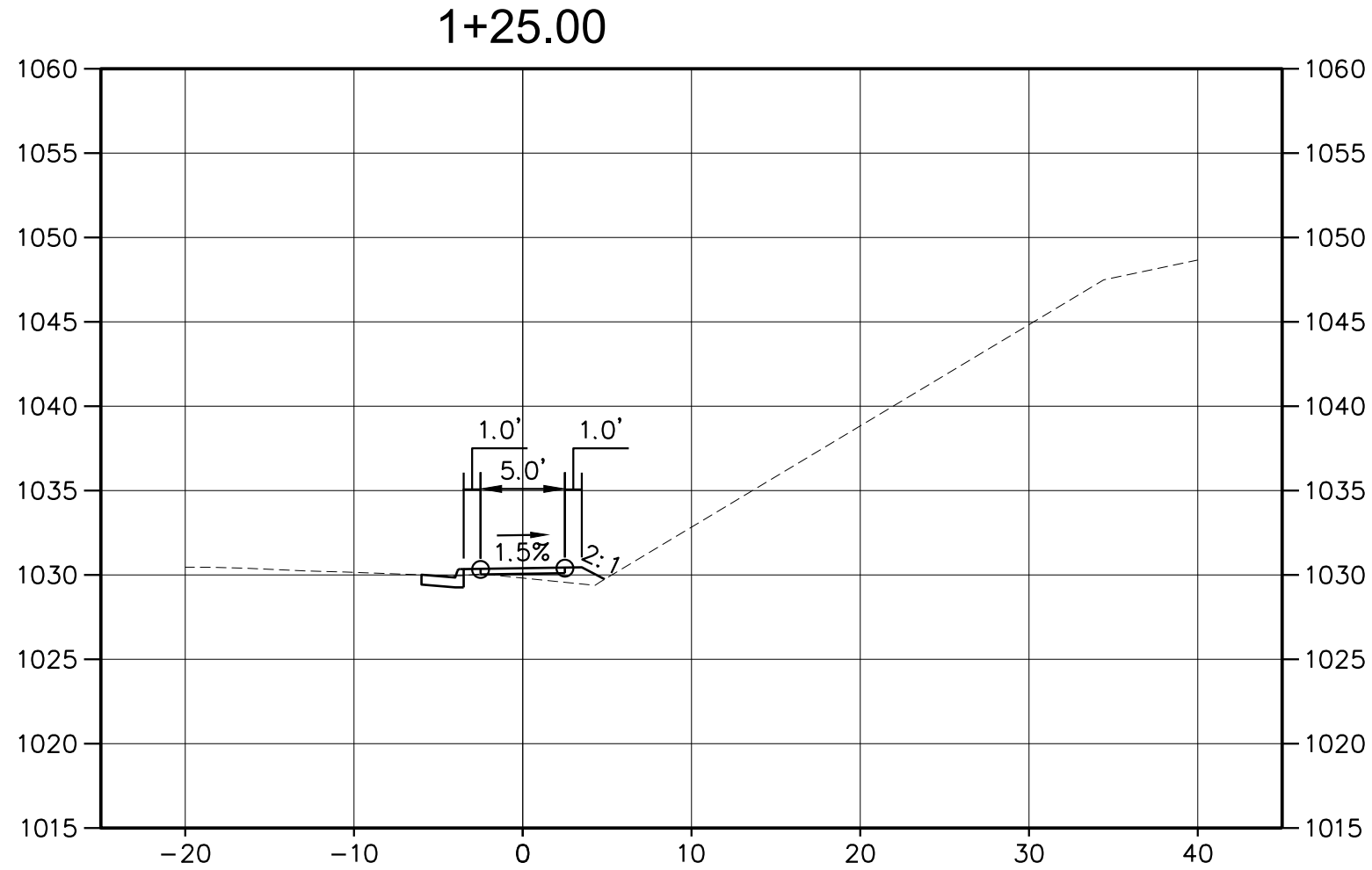
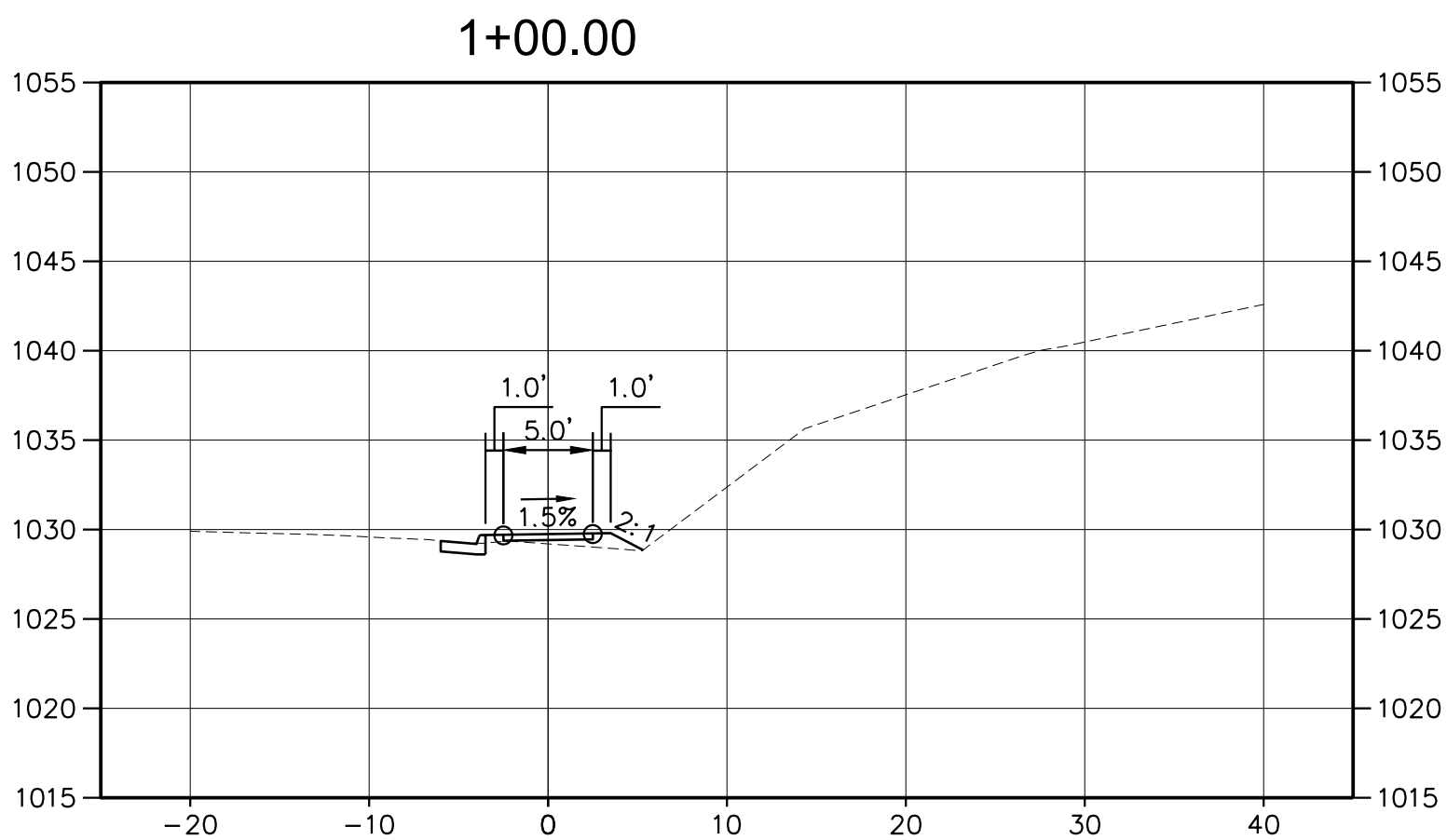
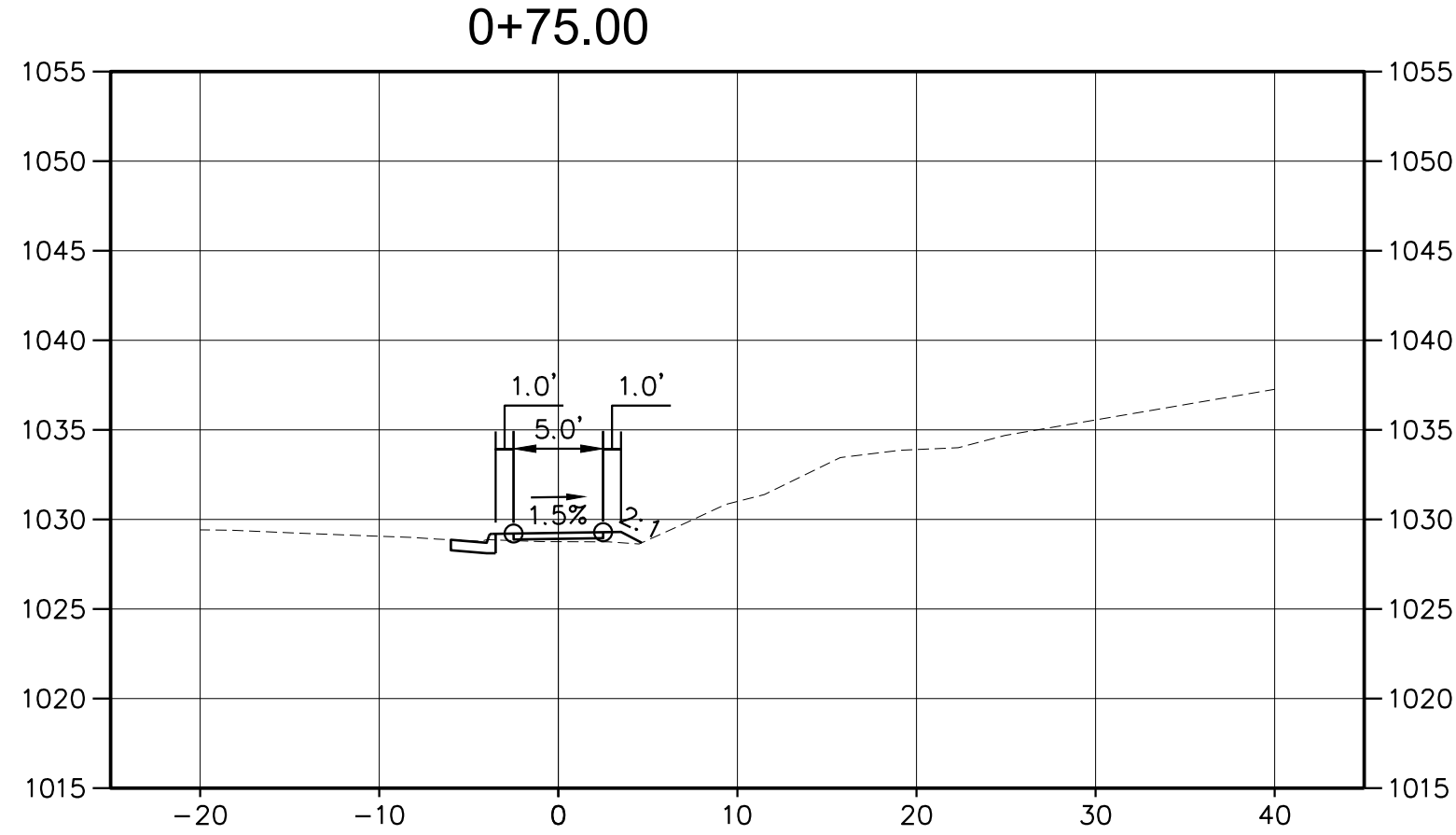
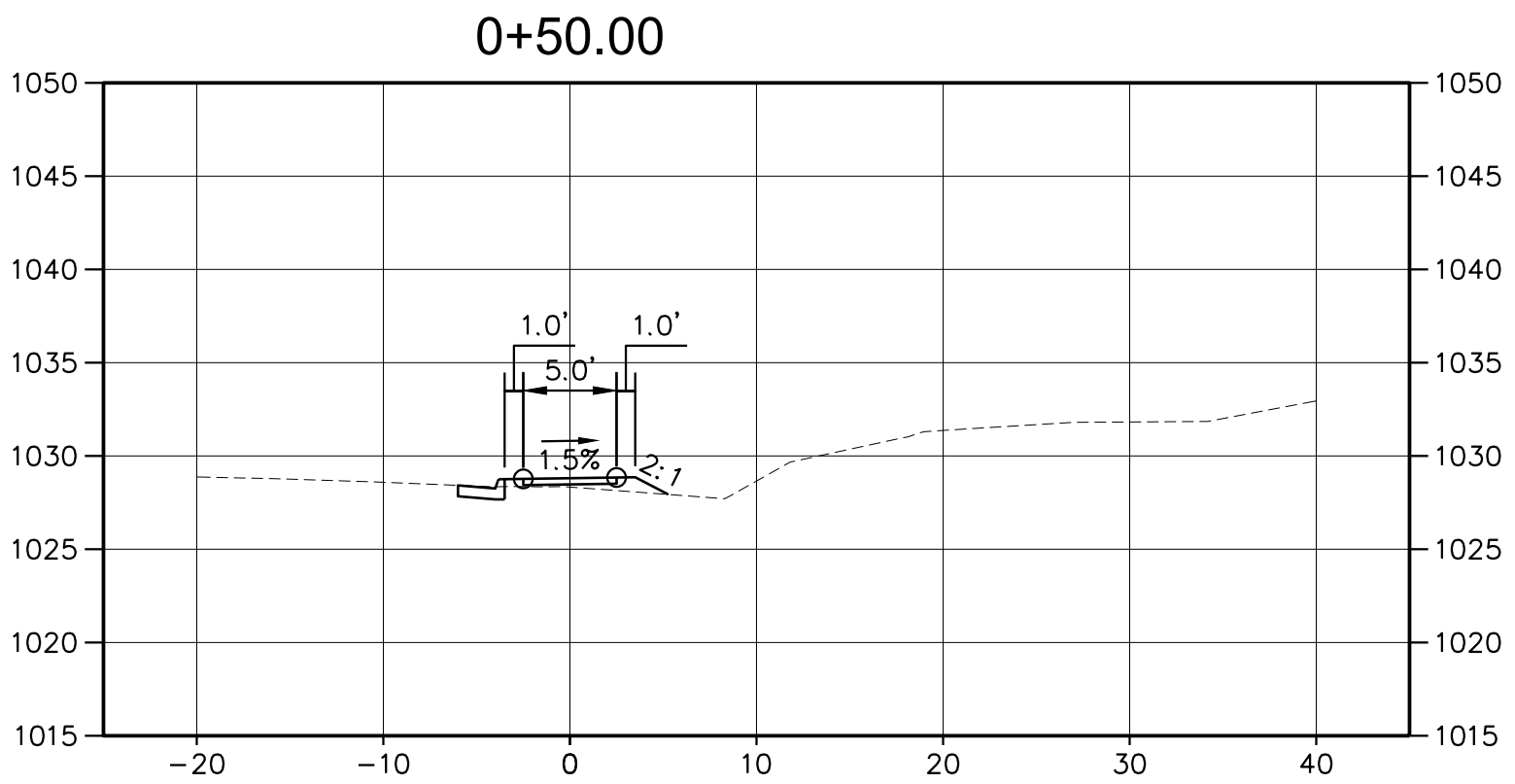
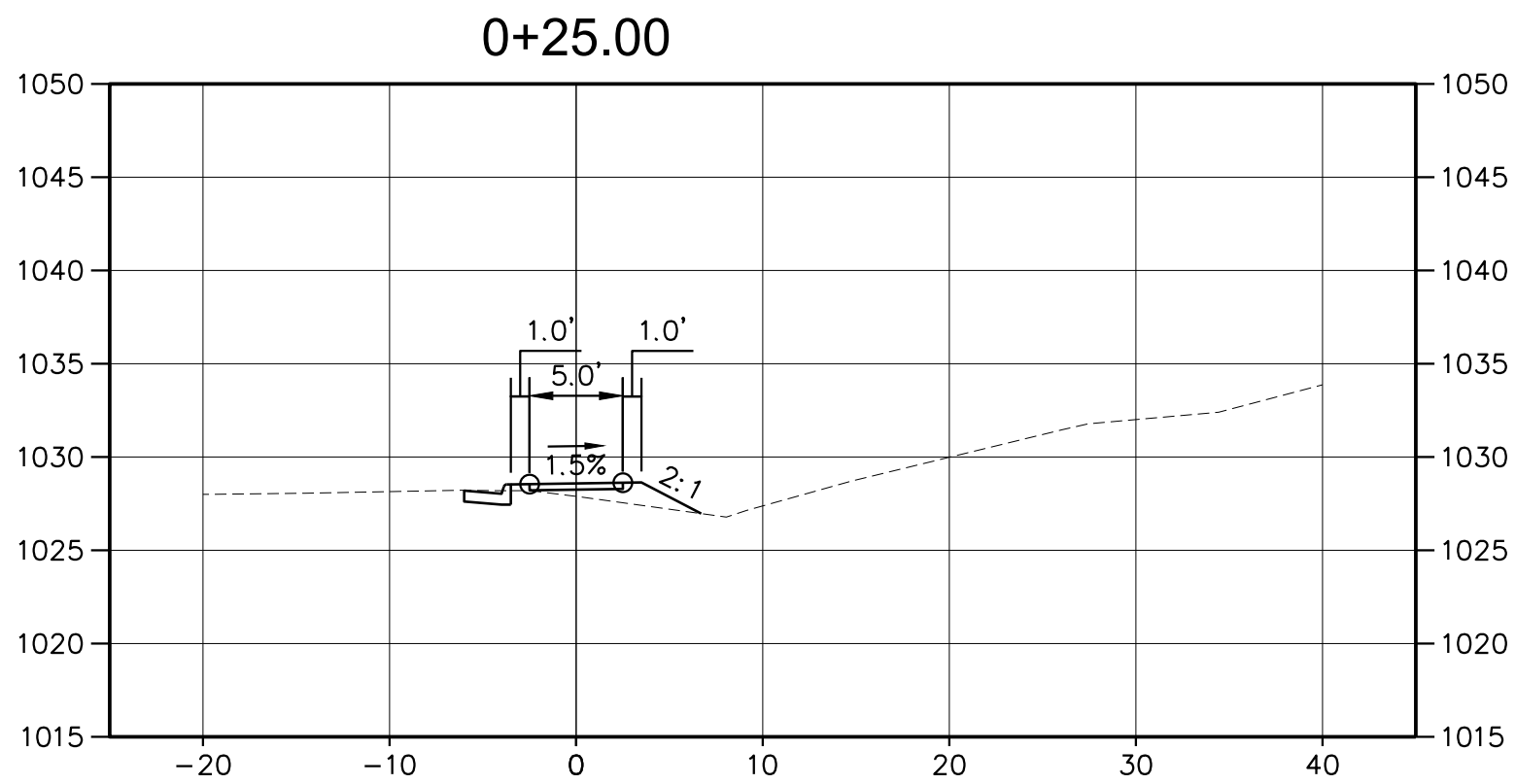
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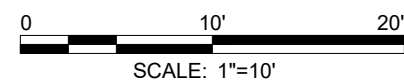
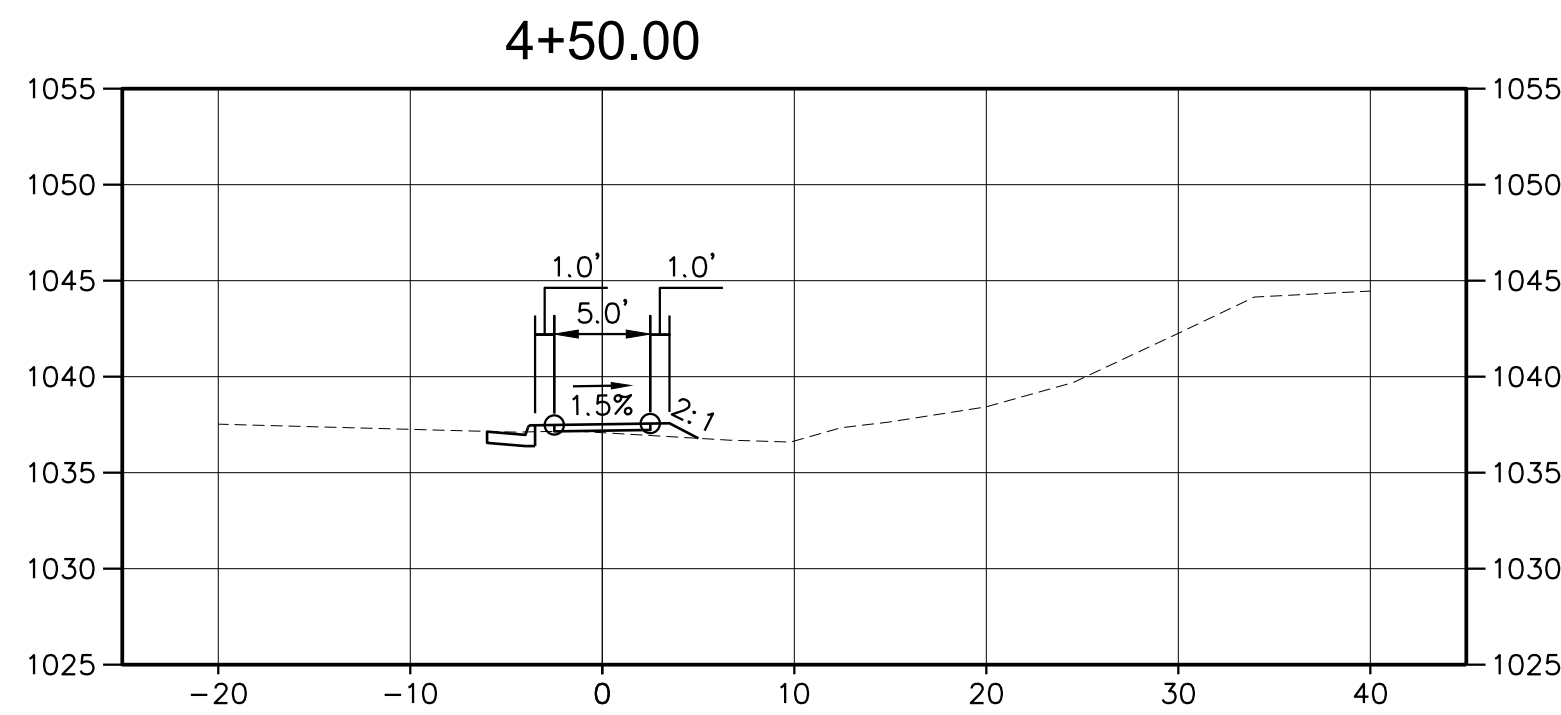
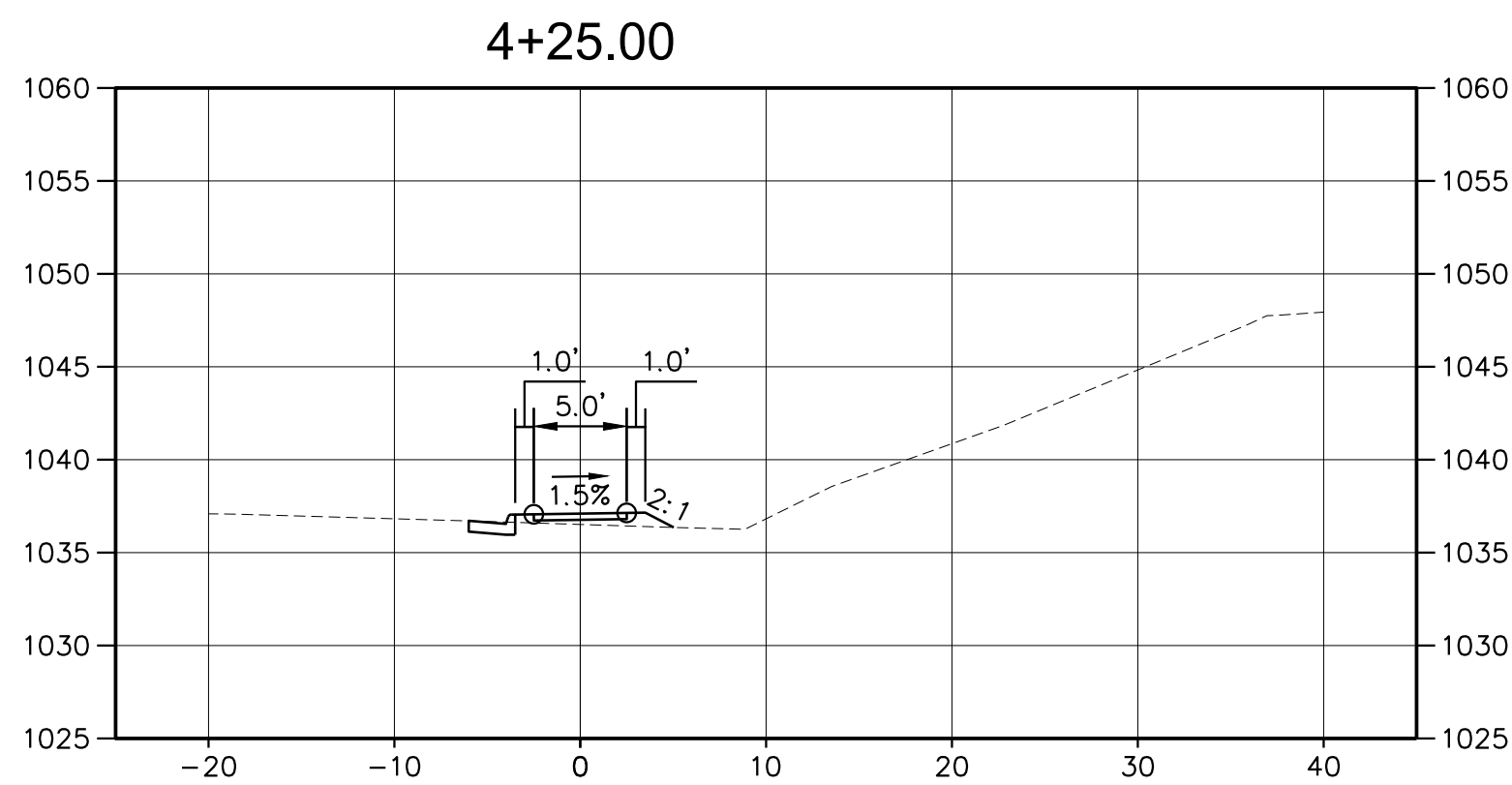
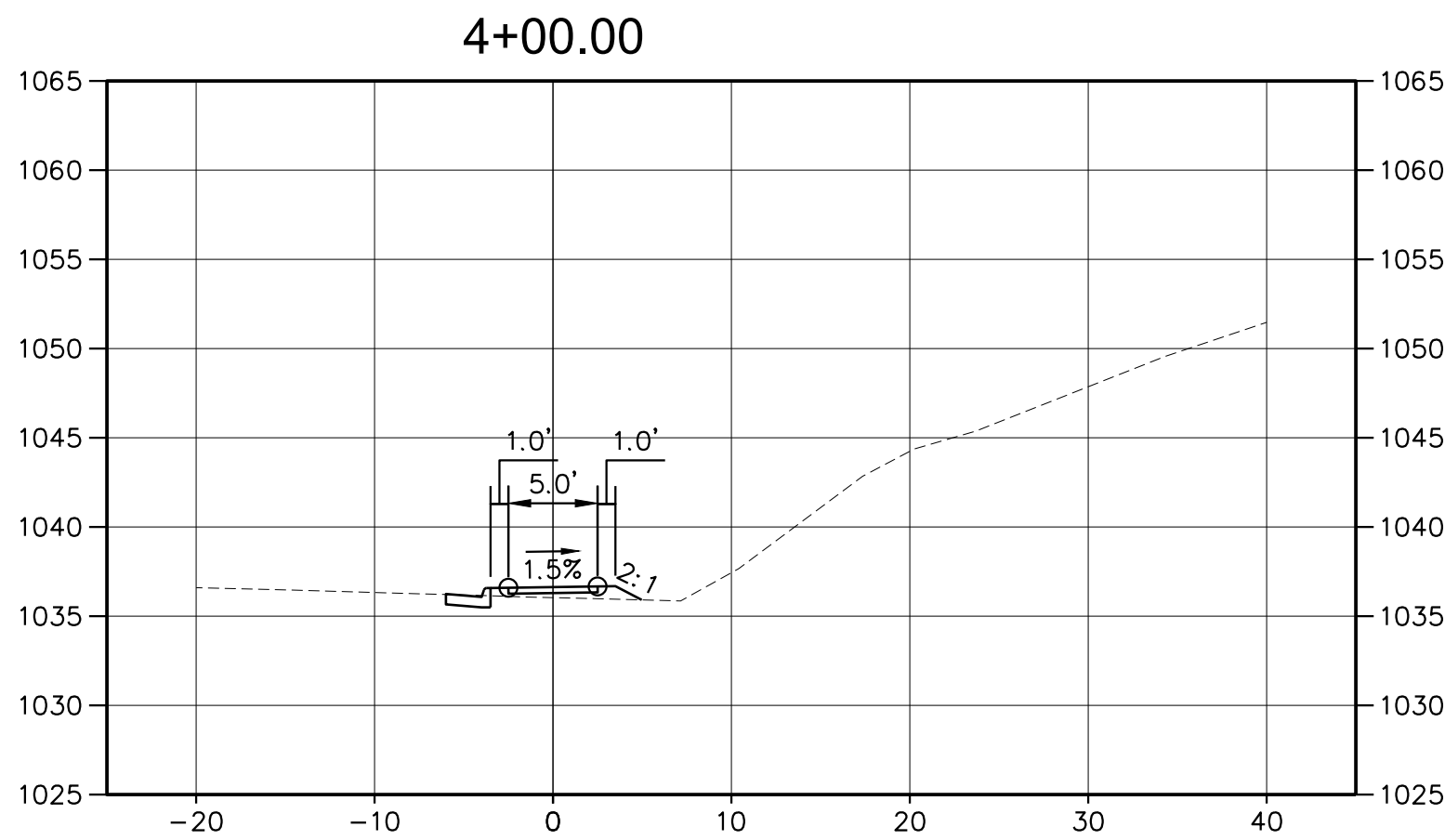
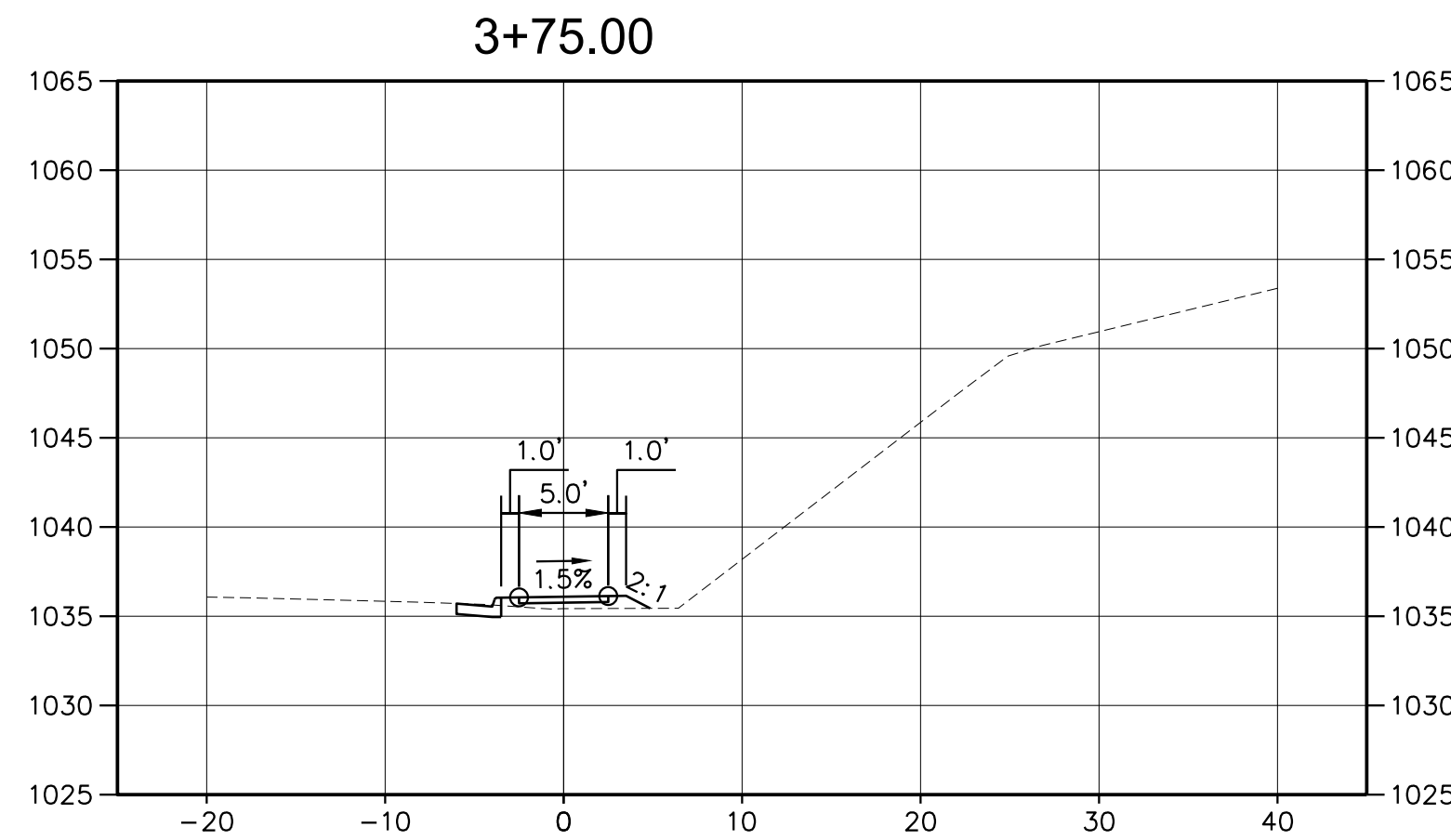
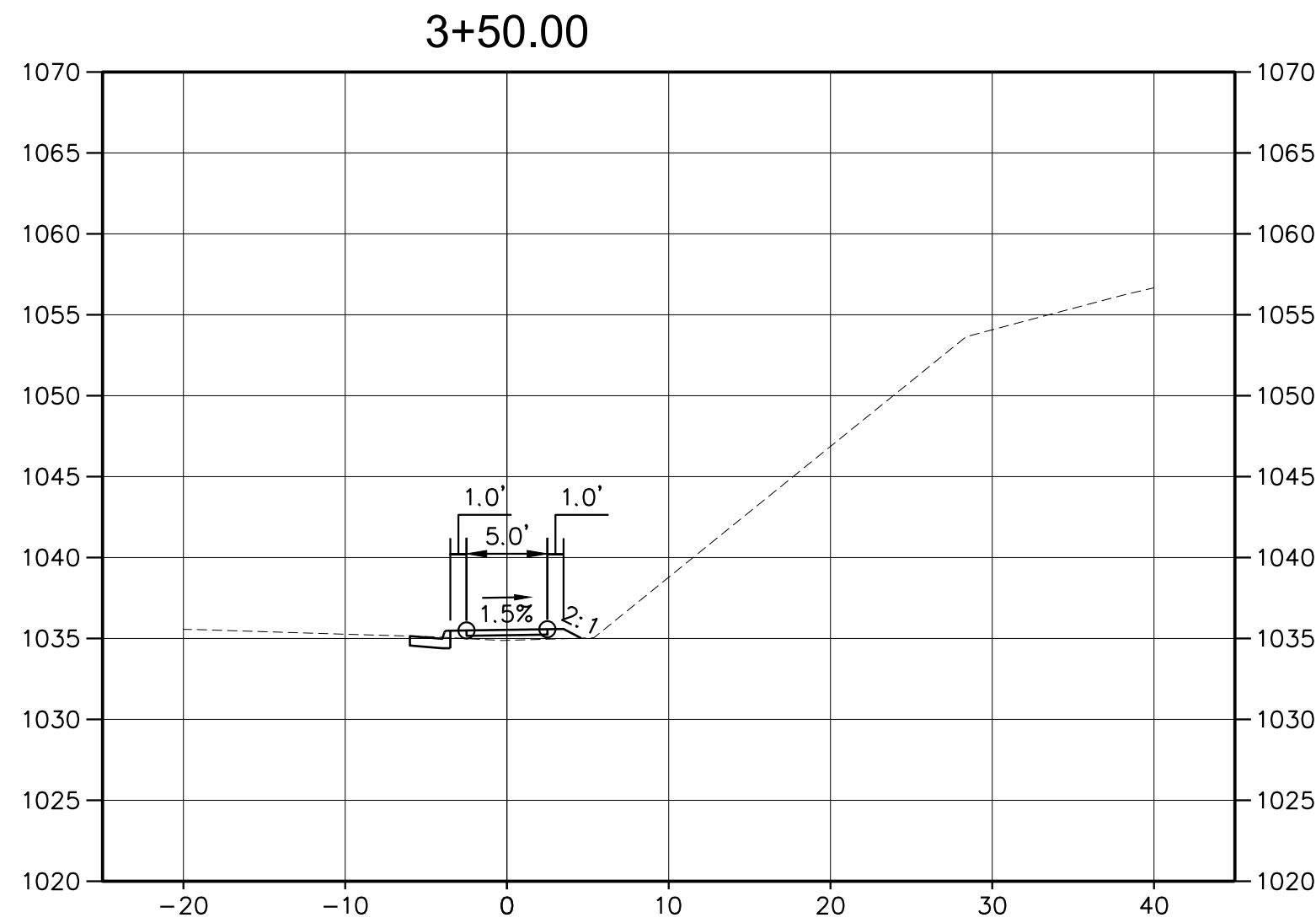
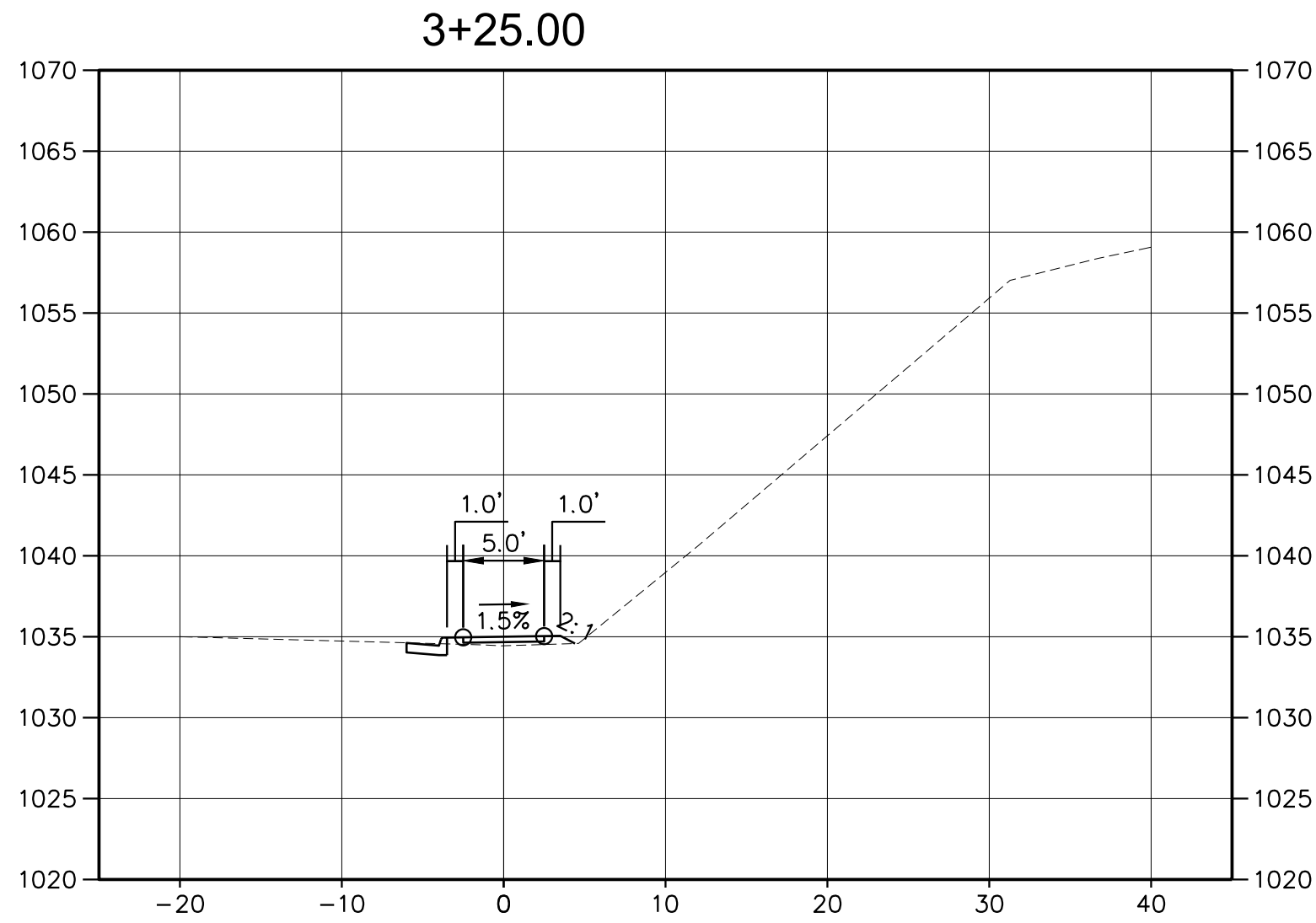
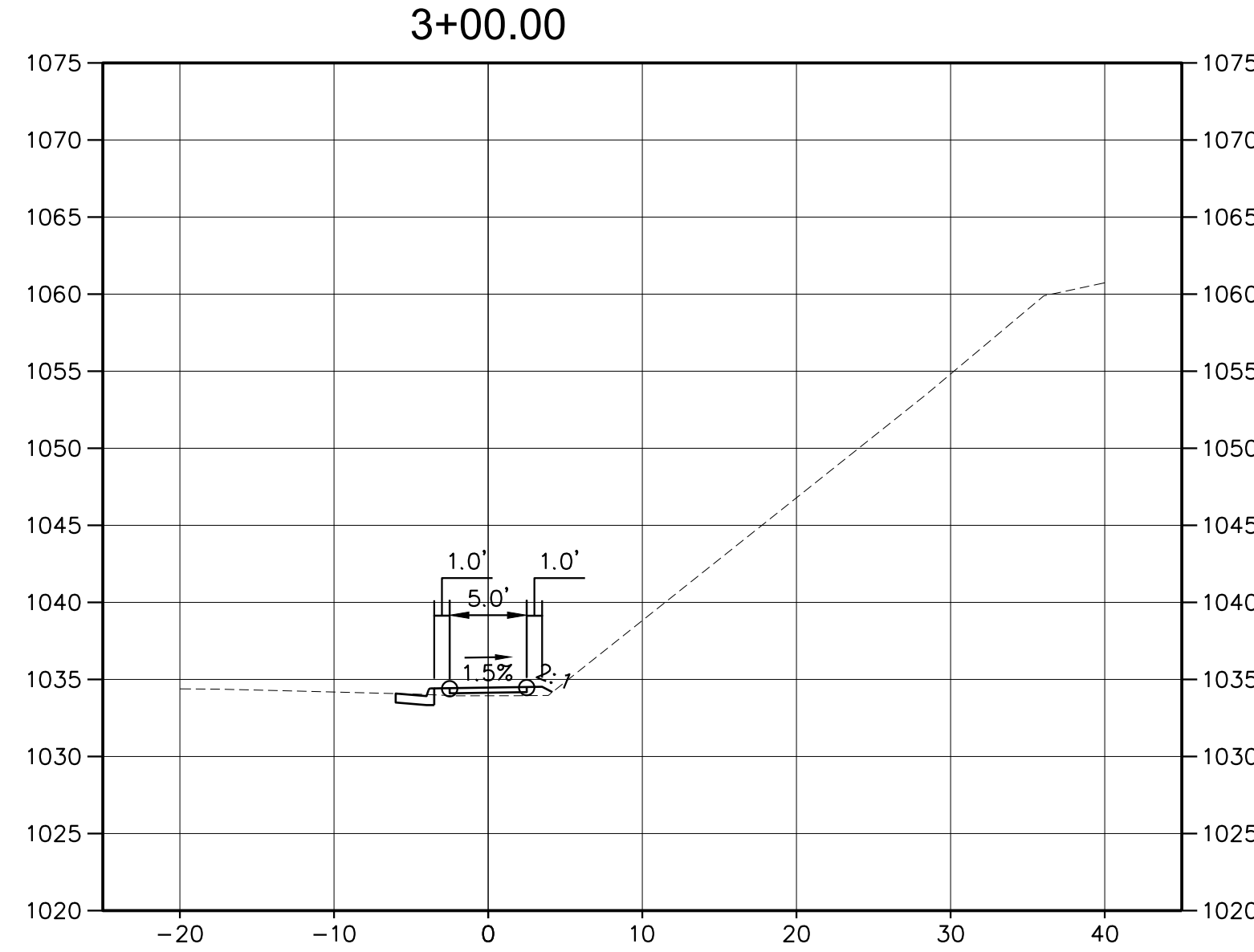
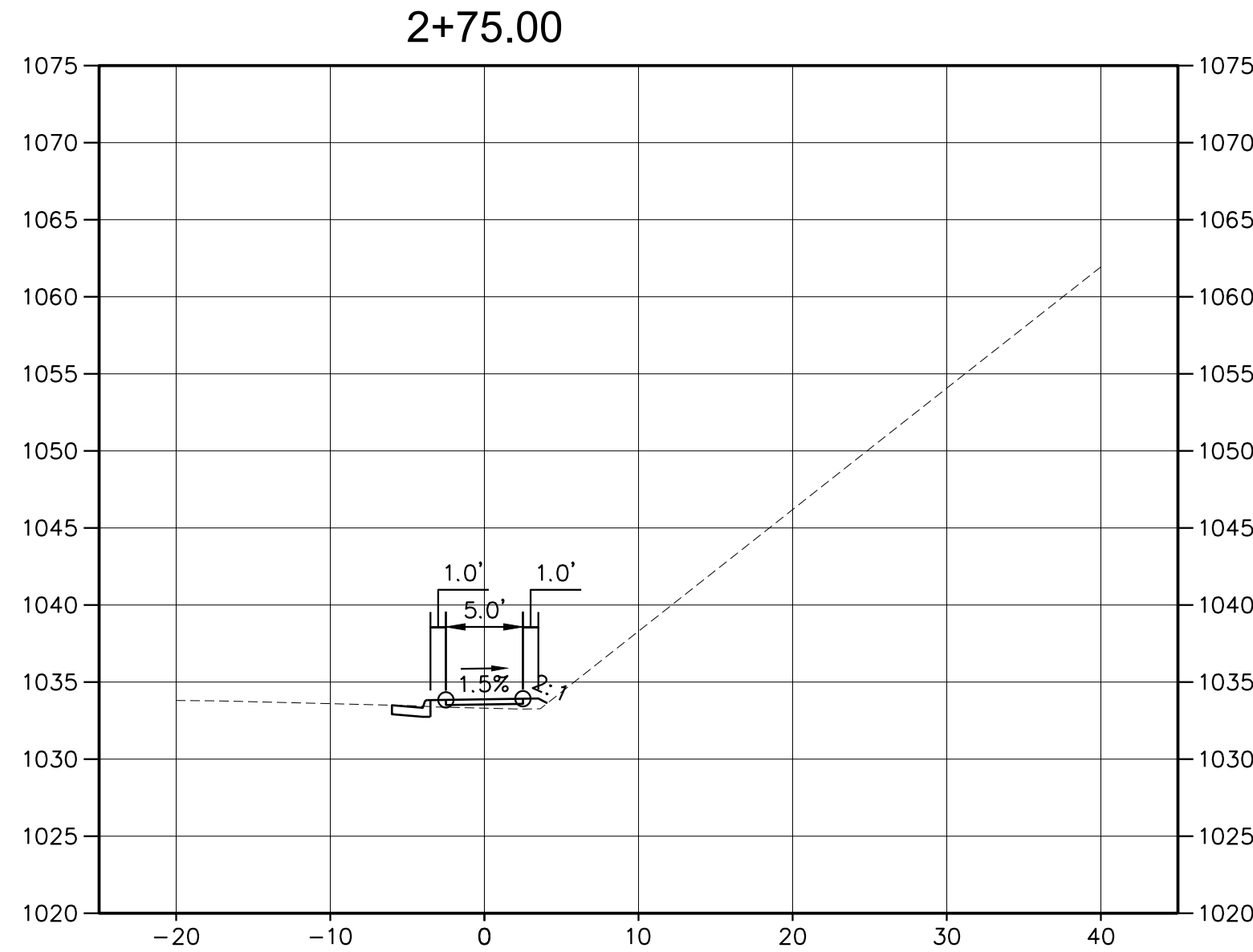
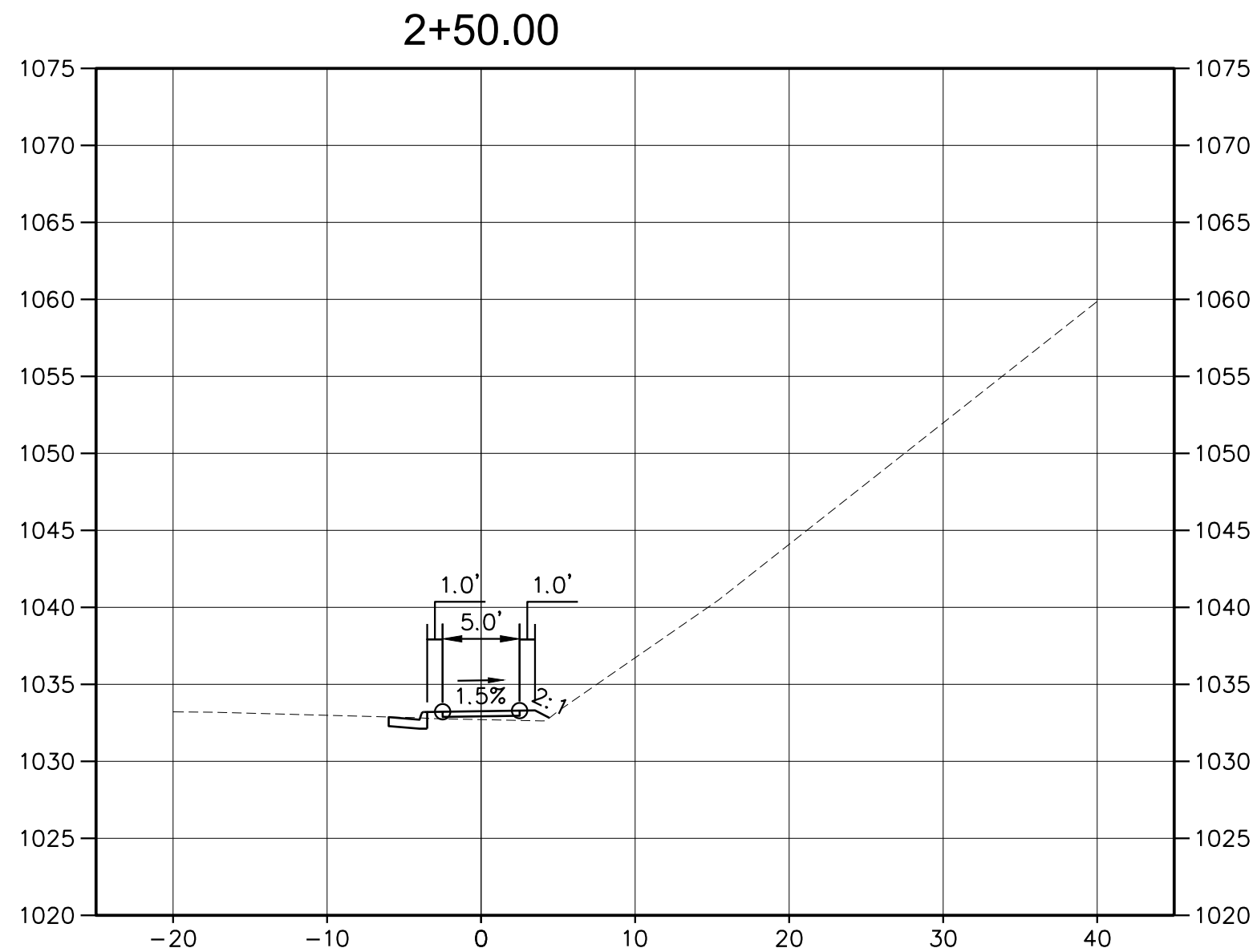
CROSS SECTIONS 0-0

C10.0

SHEET 40 OF 48

0 10' 20'
SCALE: 1"=10'

X:\LEBANON\210812.001 - CITY OF SALEM PH 3 MASON CREEK GREENWAY\05-CAD\C10.0-05-05-210812.001.DWG, 5/23/2025 5:31 PM, WMC/CART



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MASON CREEK
GREENWAY PHASE 3 -
419 MULTIMODAL
IMPROVEMENTS
STATE PROJECT NO.
0419-129-248
UPC 111367

CITY OF SALEM
21 S. BRUFFEY ST.
SALEM, VA 24153
PHONE: 540-375-3032

MARK	DATE	DESCRIPTION
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R.O.W. PLANS

PROJECT NO:	21-0812.001
SCALE:	1"=10'
DESIGNED BY:	AMT
DRAWN BY:	AMT
CHECKED BY:	AMT

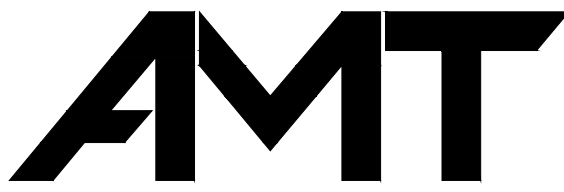
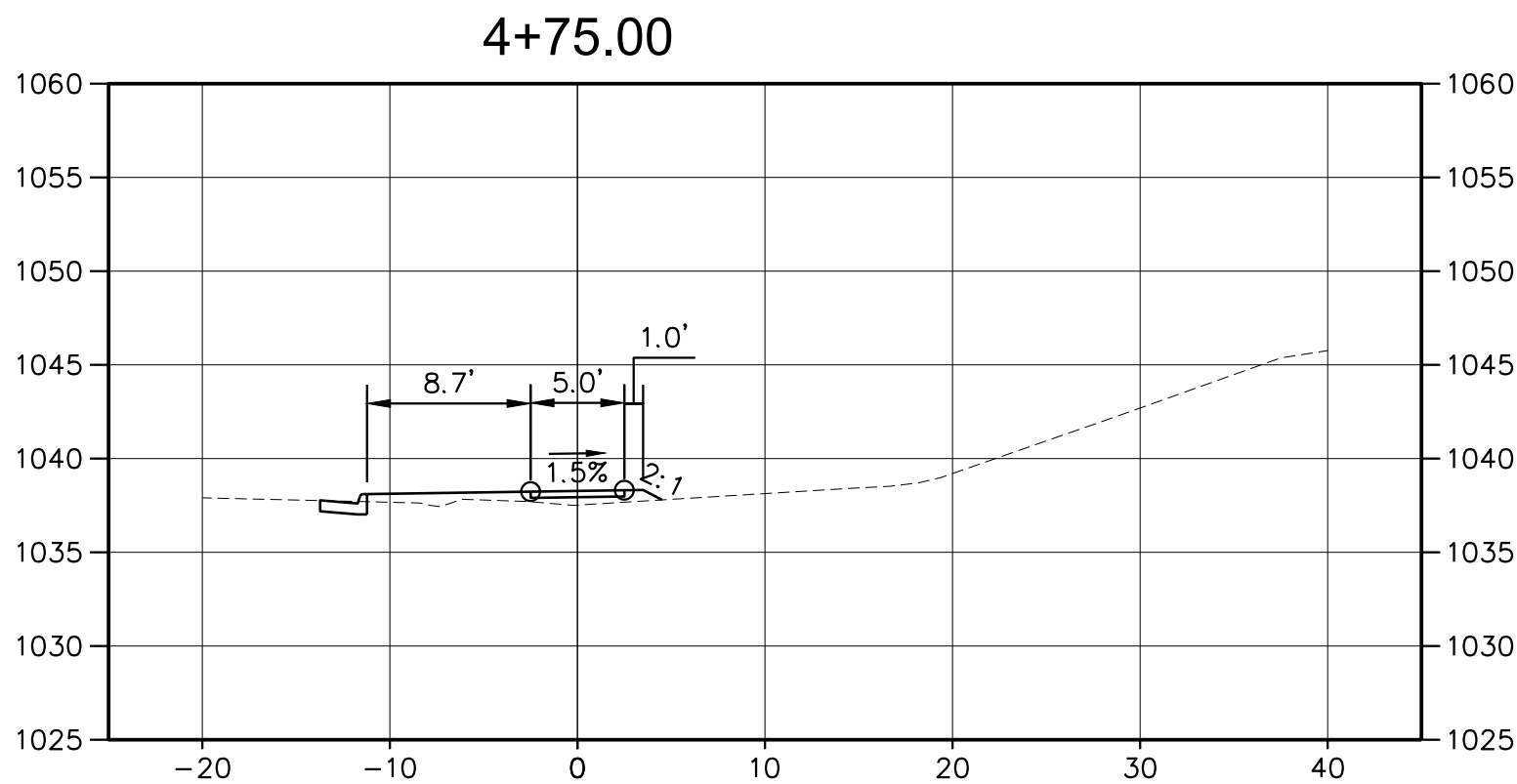
SHEET TITLE

CROSS SECTIONS 0-0

C10.1

SHEET 41 OF 48

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MARK	DATE	DESCRIPTION
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R.O.W. PLANS

PROJECT NO:	21-0812.001
SCALE:	1"=10'
DESIGNED BY:	AMT
DRAWN BY:	AMT
CHECKED BY:	AMT

SHEET TITLE

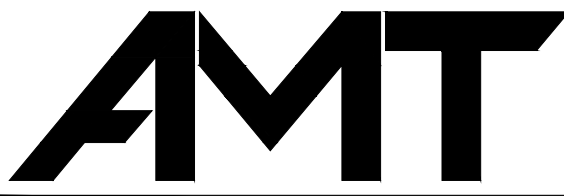
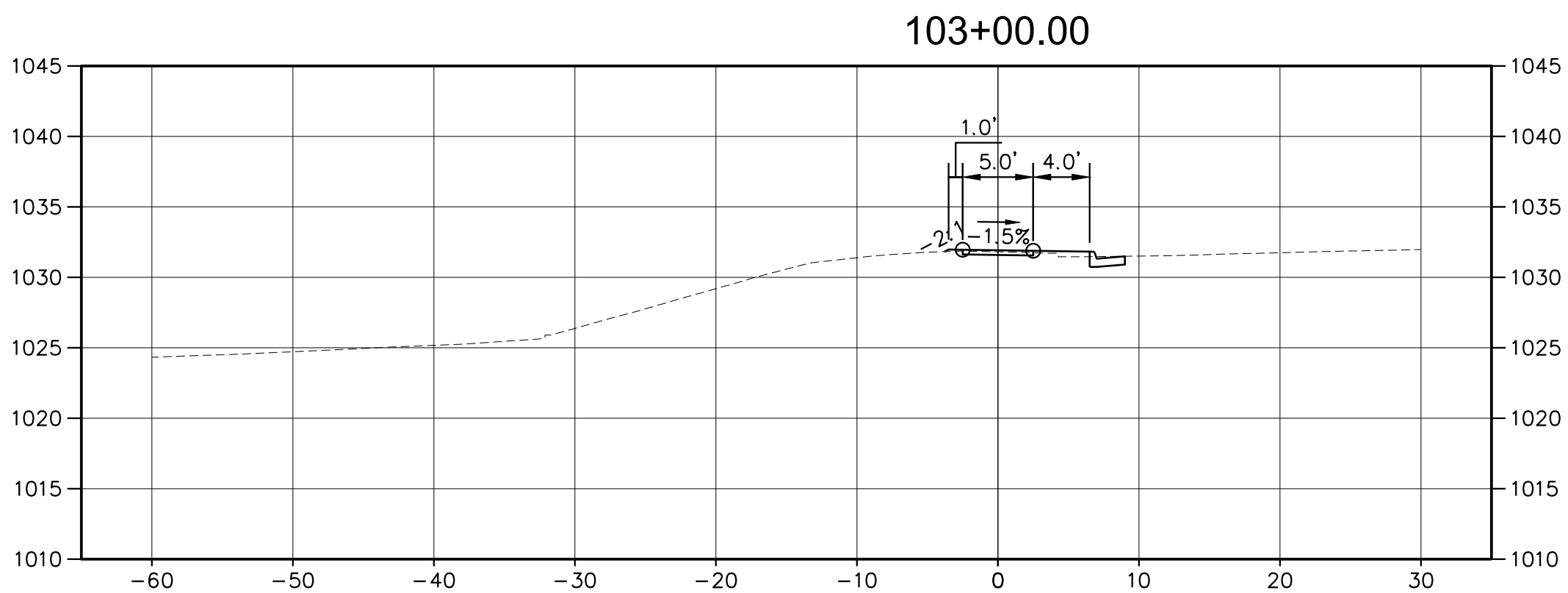
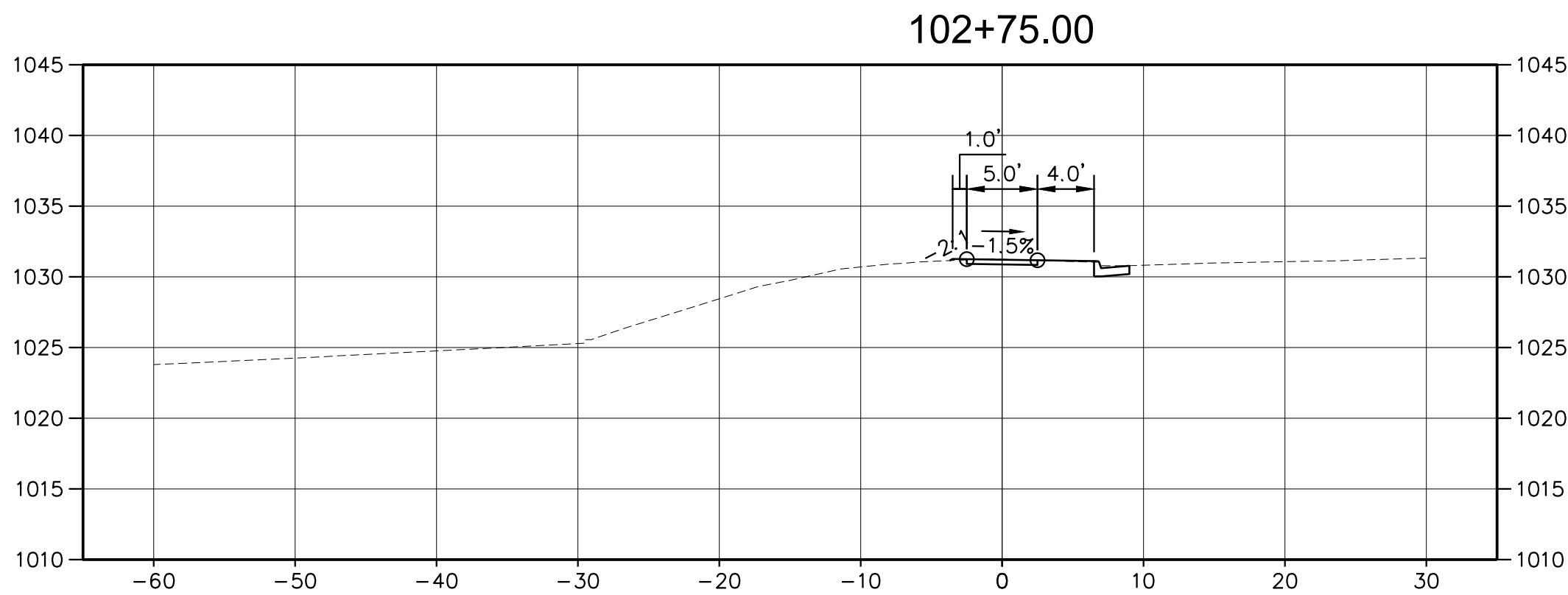
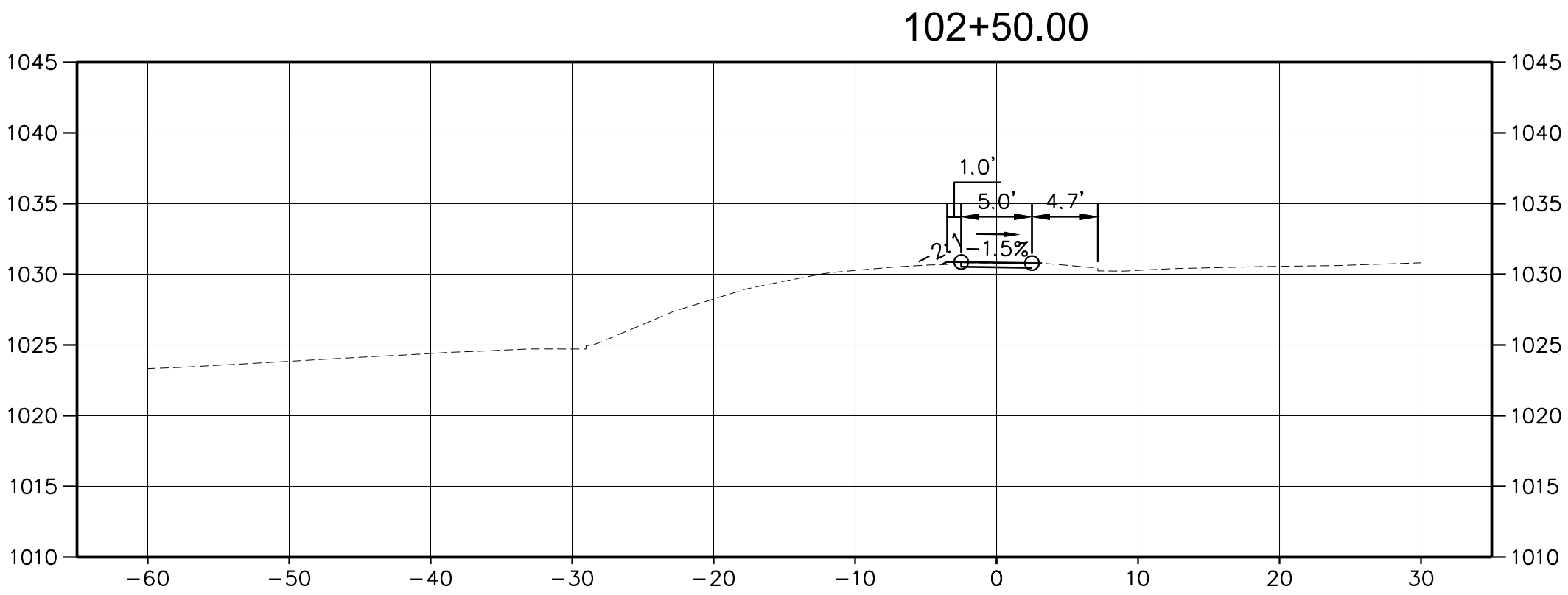
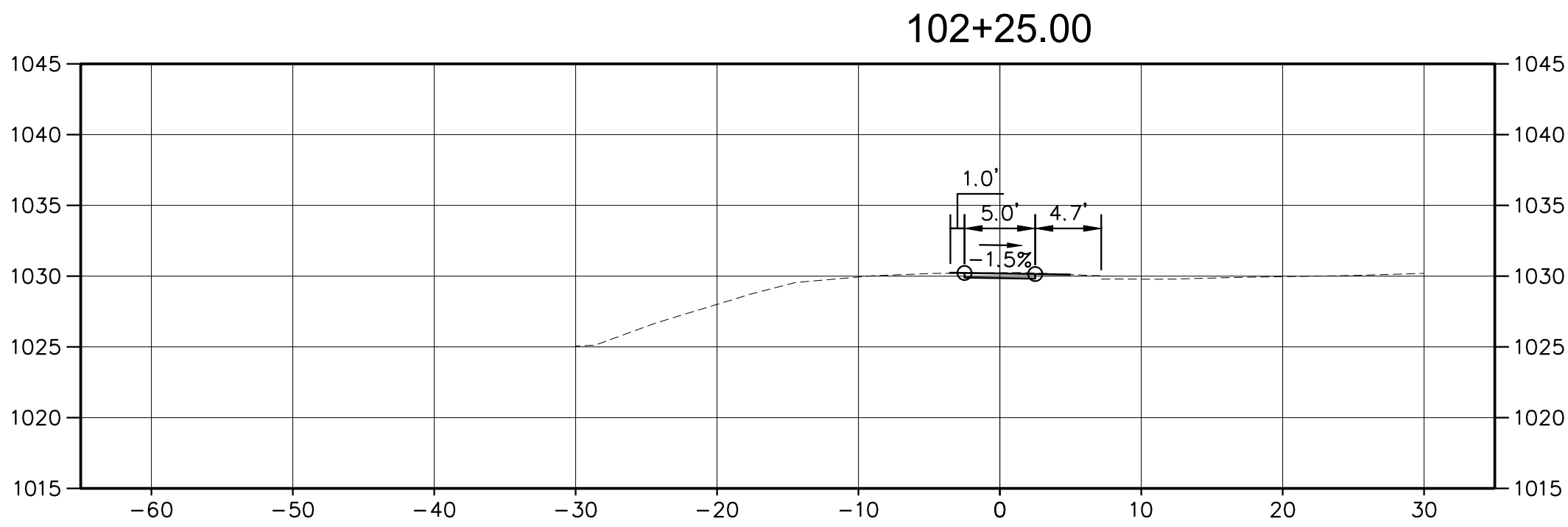
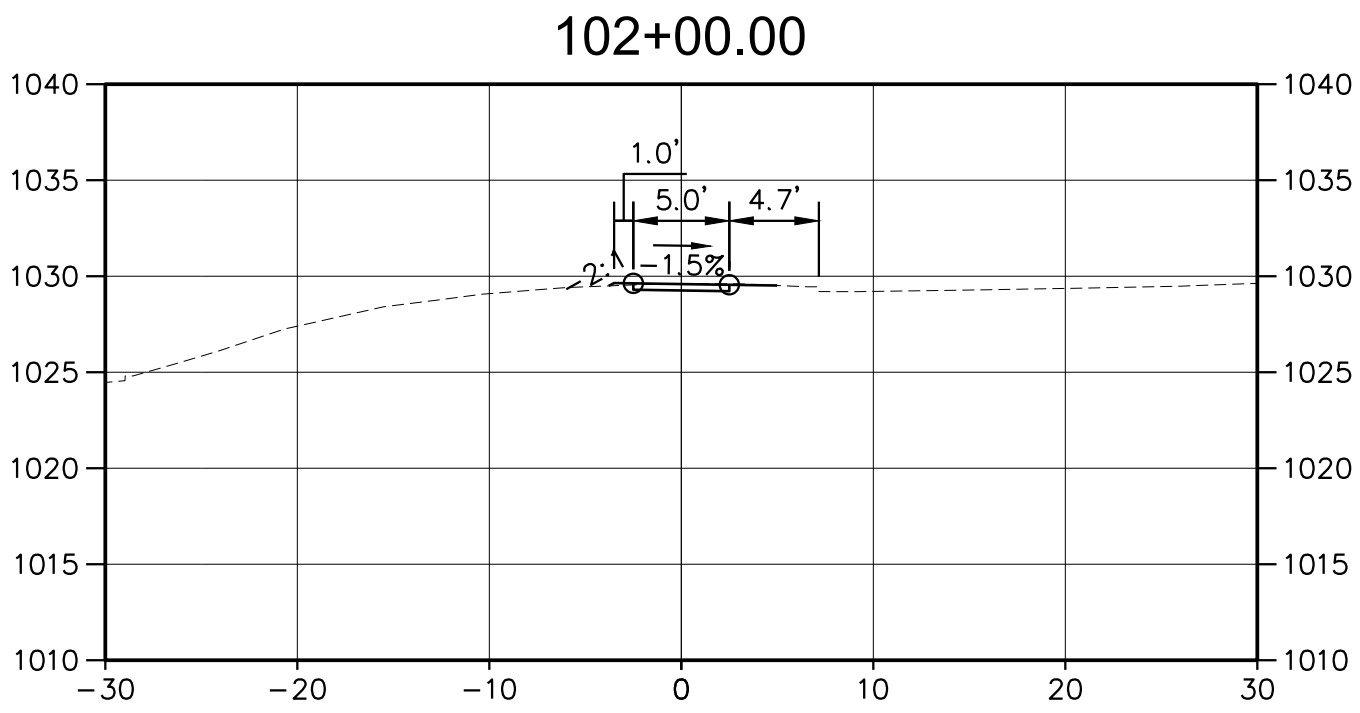
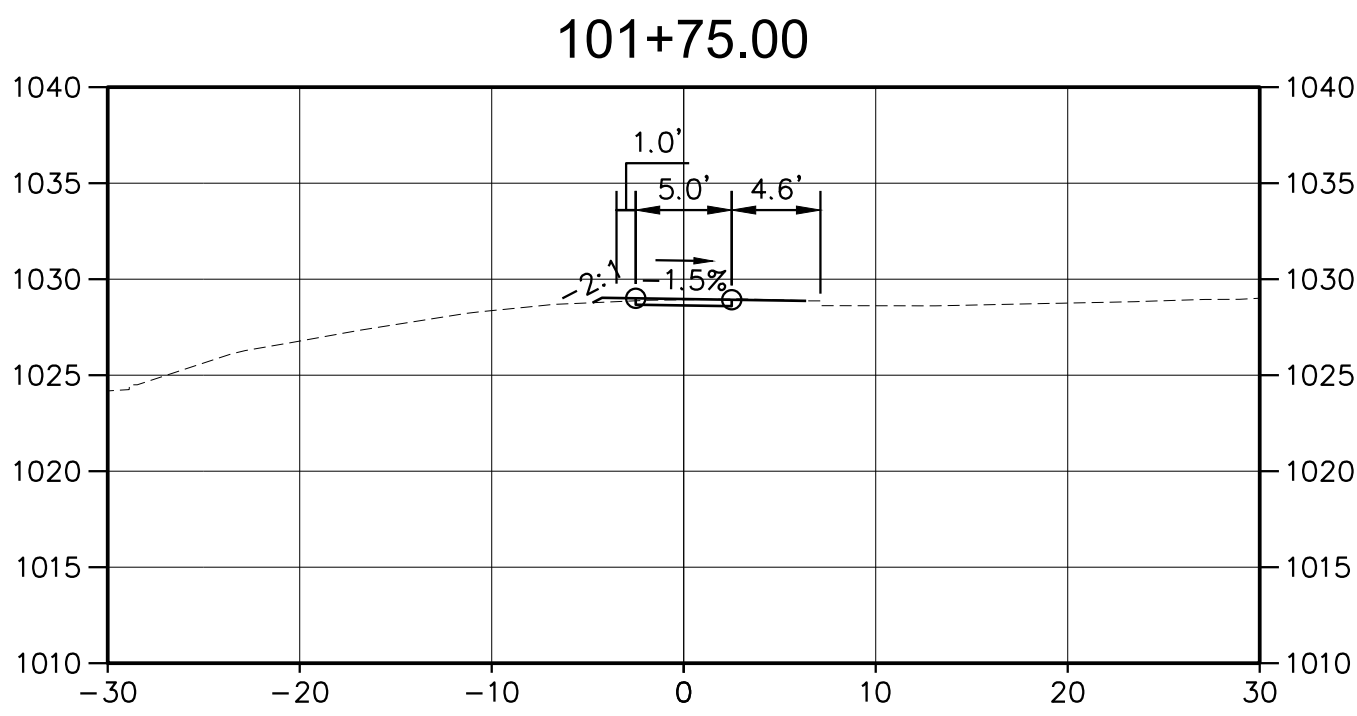
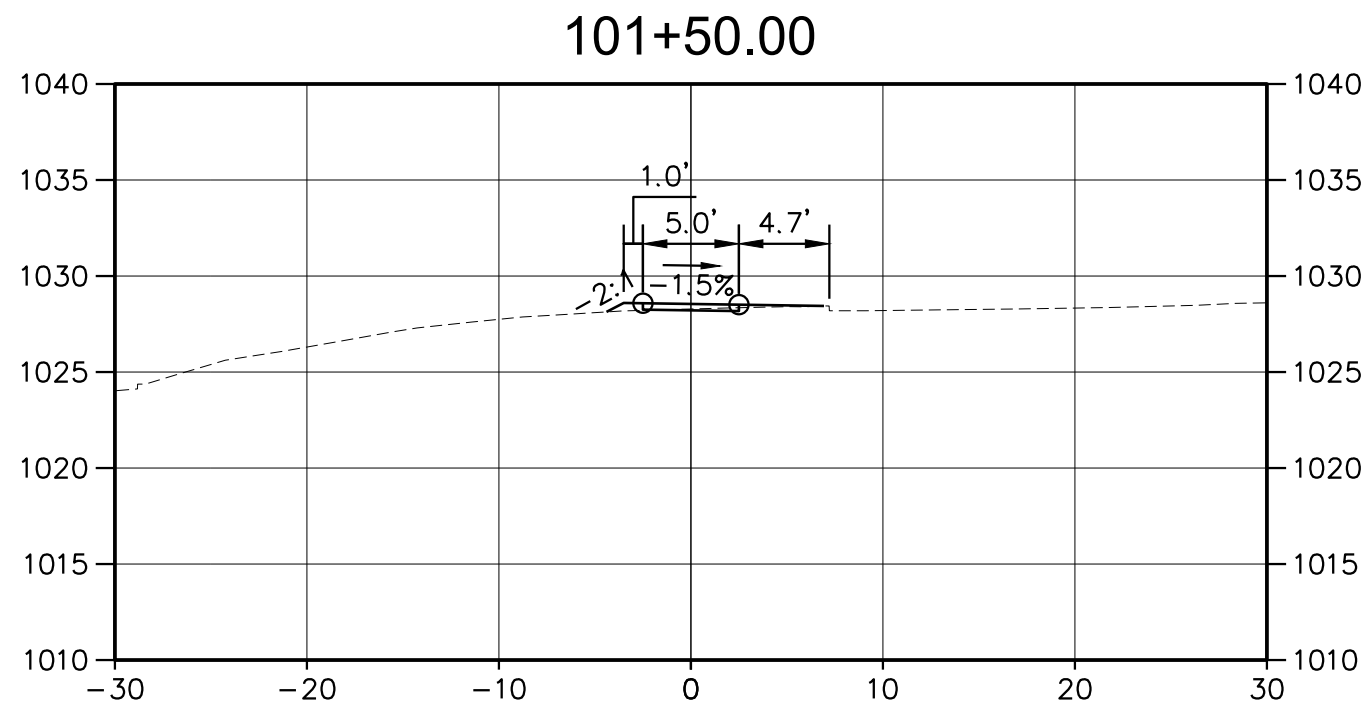
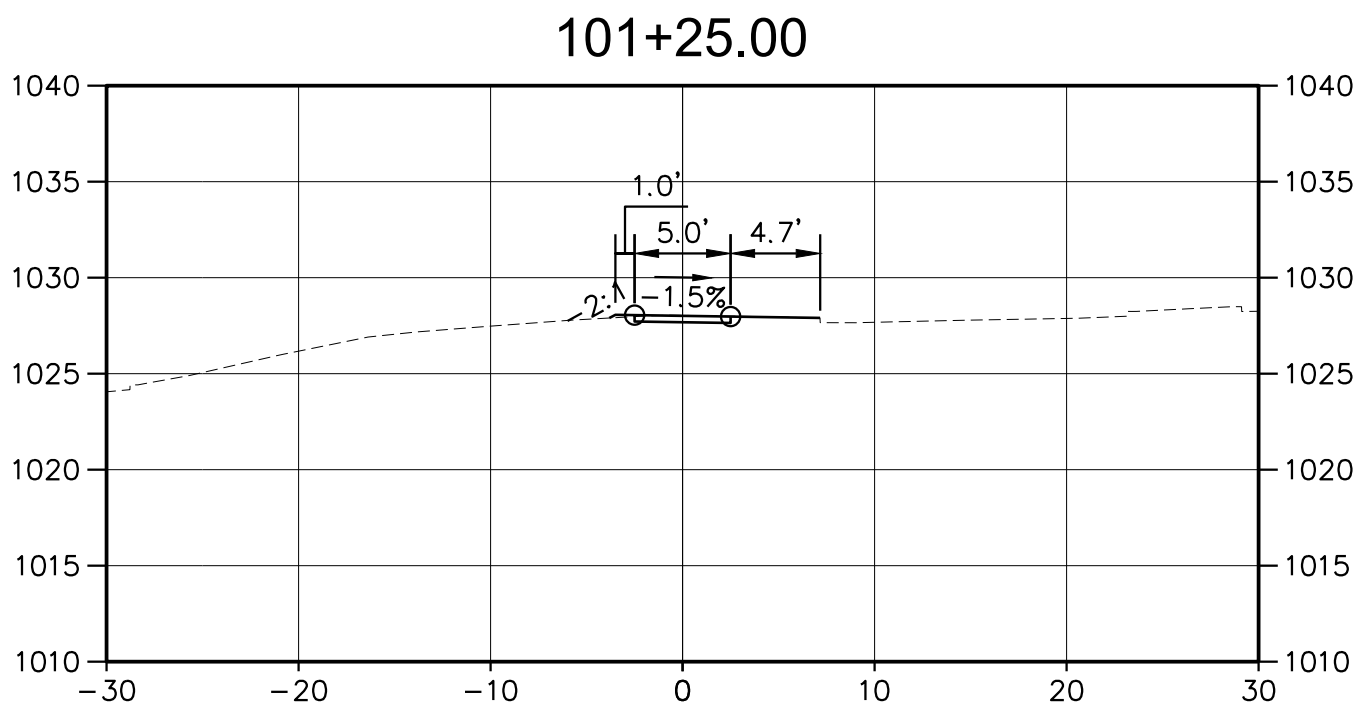
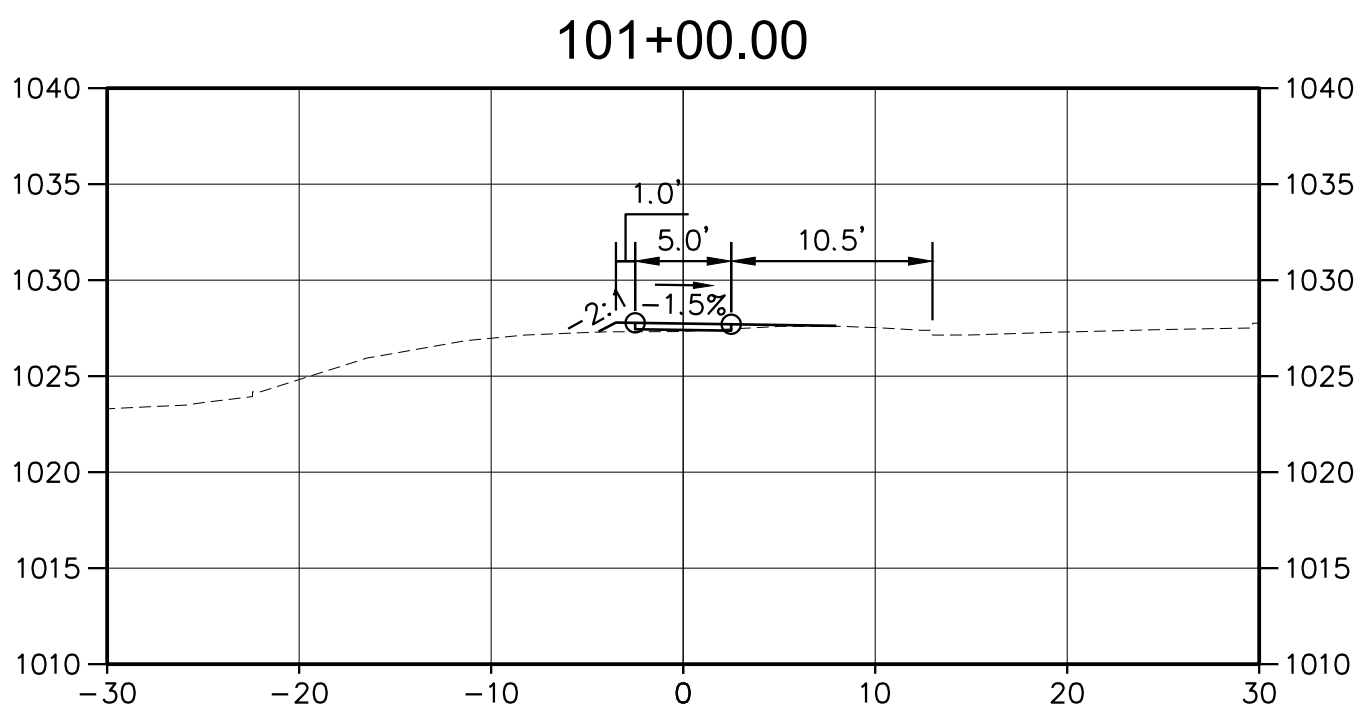
CROSS SECTIONS 0-0

C10.2

SHEET 42 OF 48

0 10' 20'
SCALE: 1"=10'

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IMPROVEMENTS
STATE PROJECT NO.
0419-129-248
UPC 111367

CITY OF SALEM
21 S. BRUFFEY ST.
SALEM, VA 24153
PHONE: 540-375-3032

MARK	DATE	DESCRIPTION
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R.O.W. PLANS

PROJECT NO: 21-0812.001

SCALE: 1"=10'

DESIGNED BY: AMT

DRAWN BY: AMT

CHECKED BY: AMT

SHEET TITLE

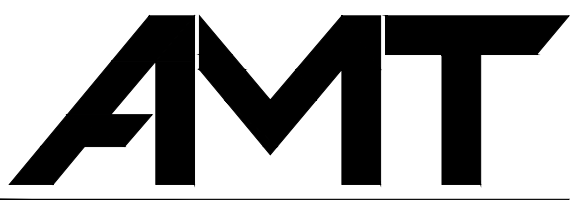
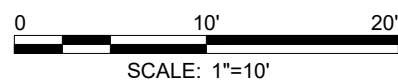
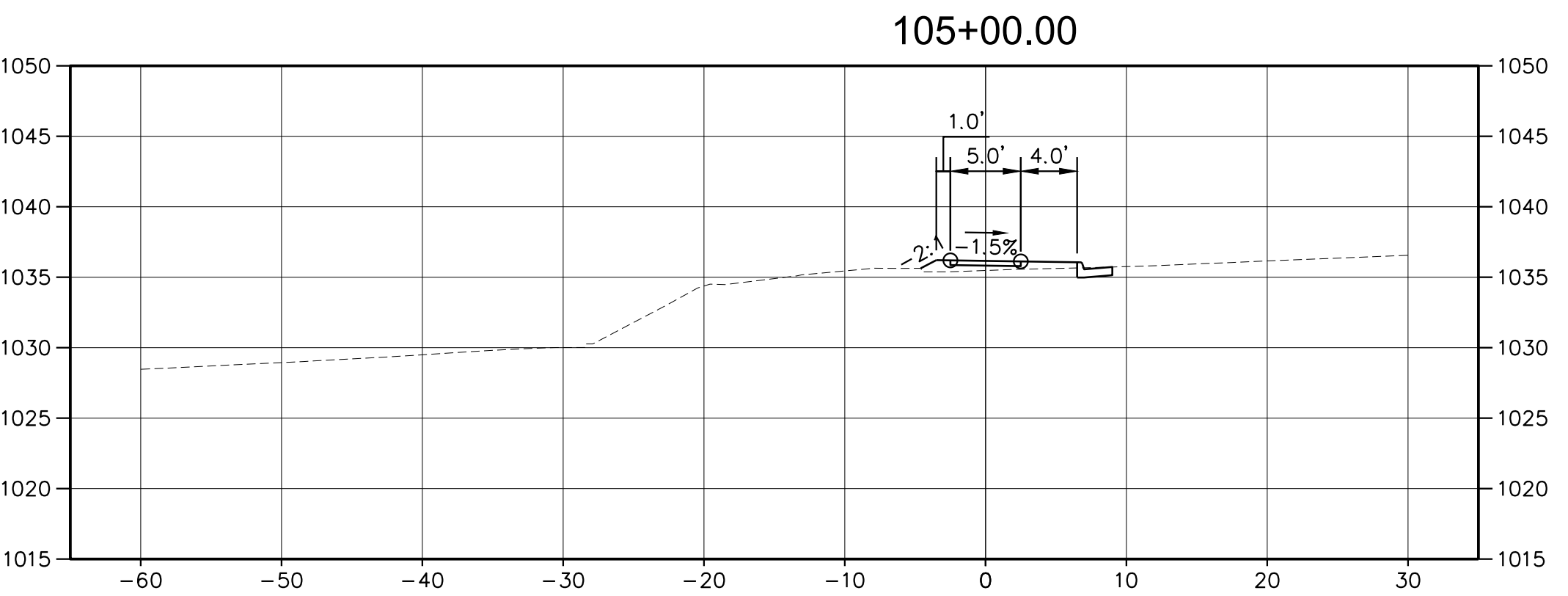
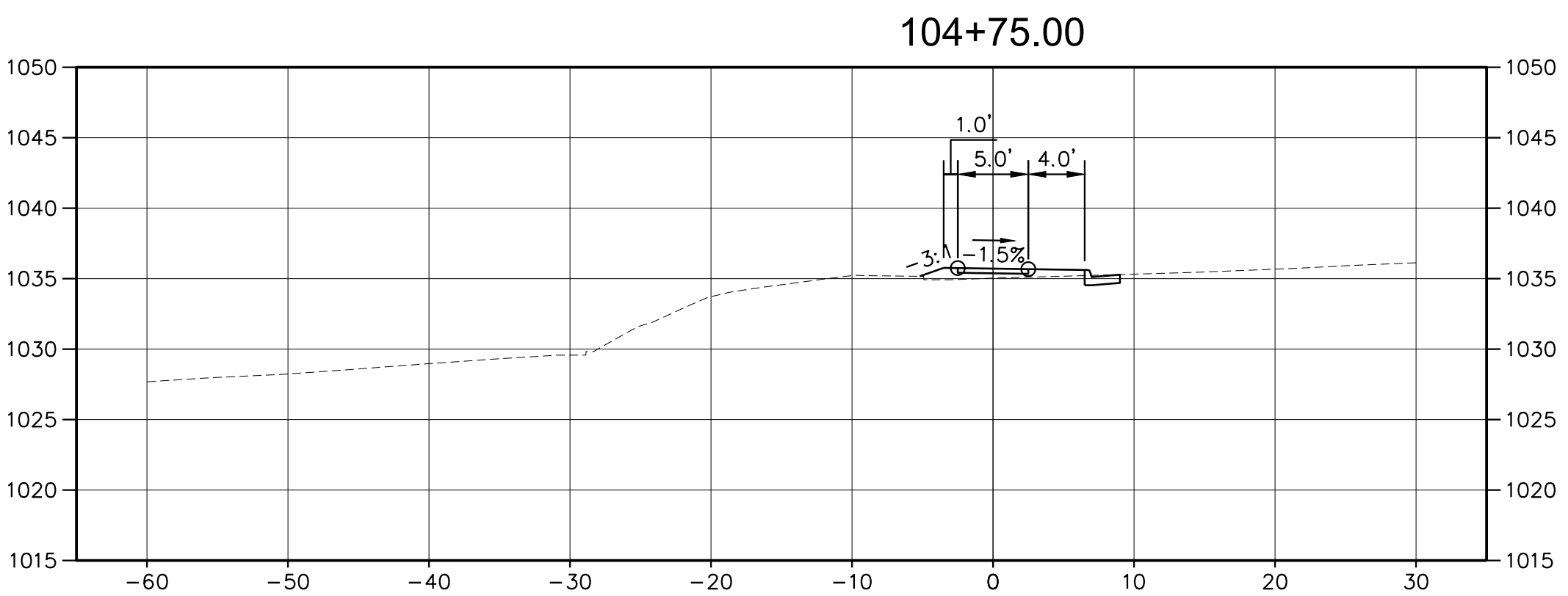
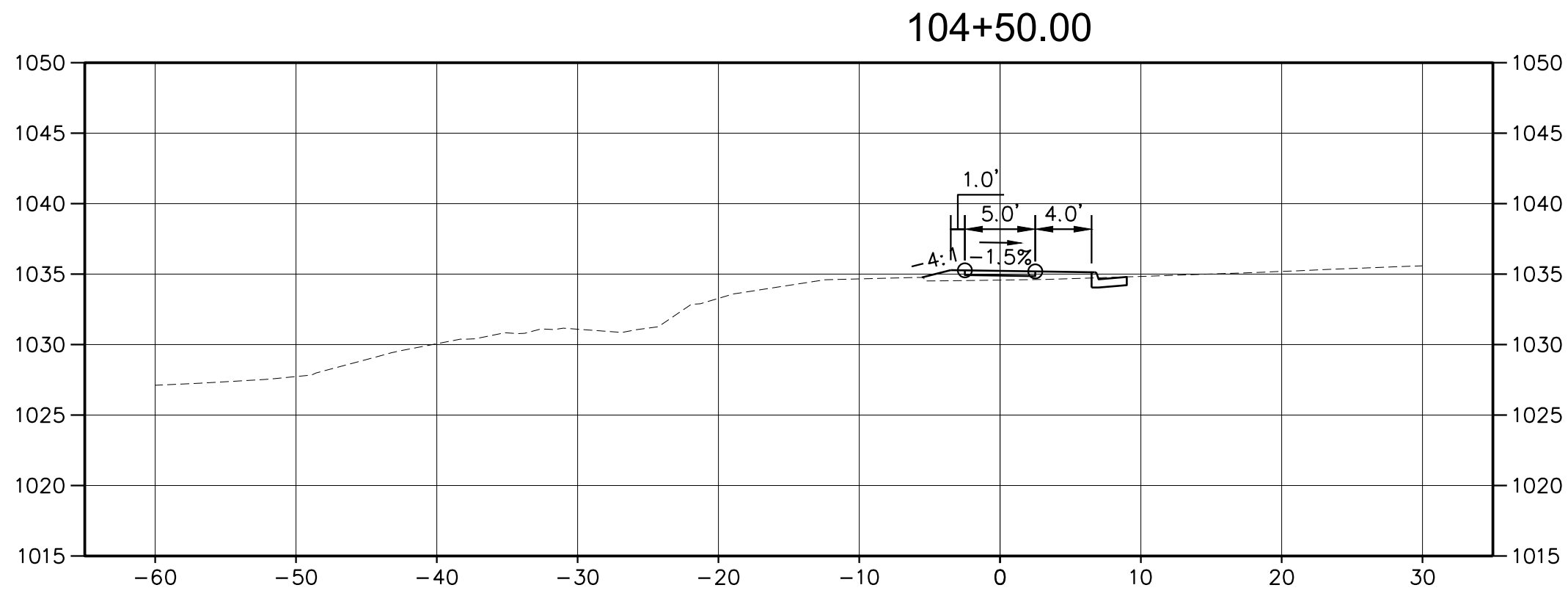
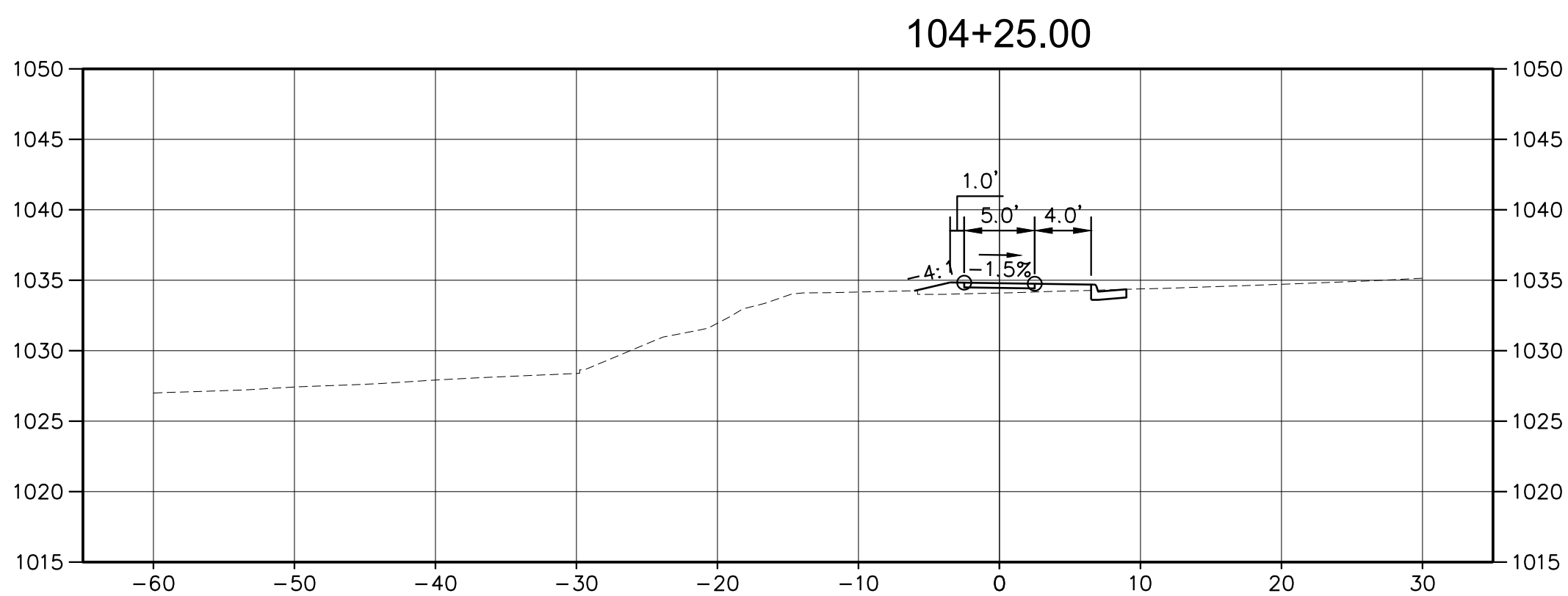
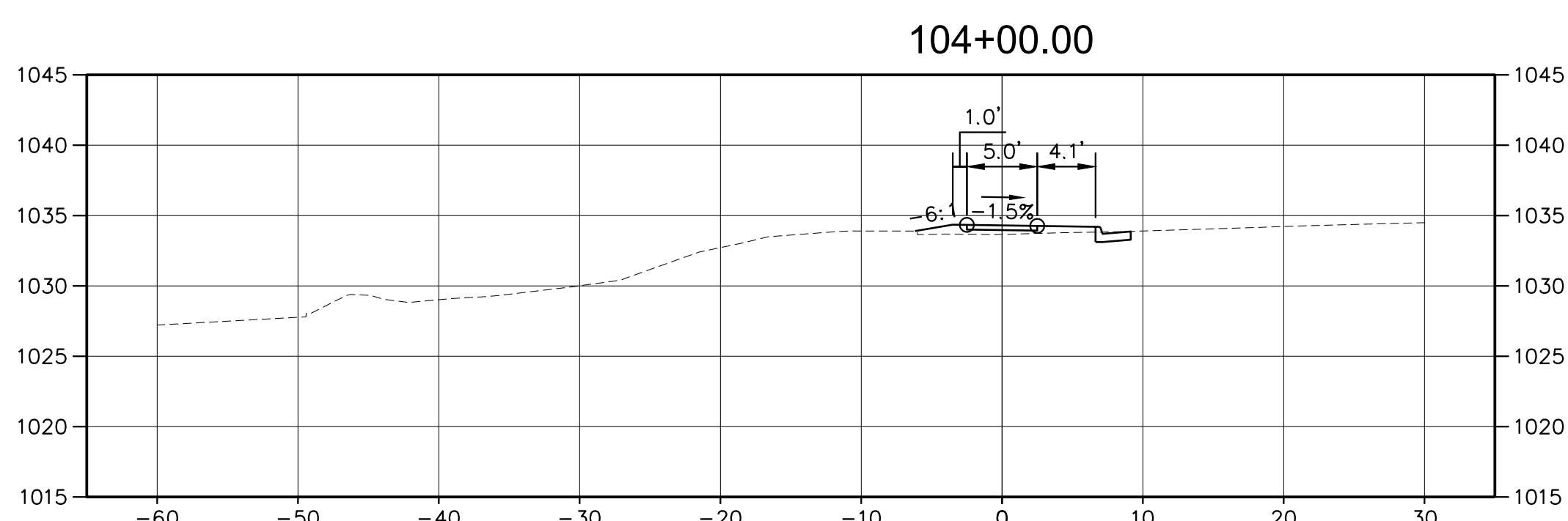
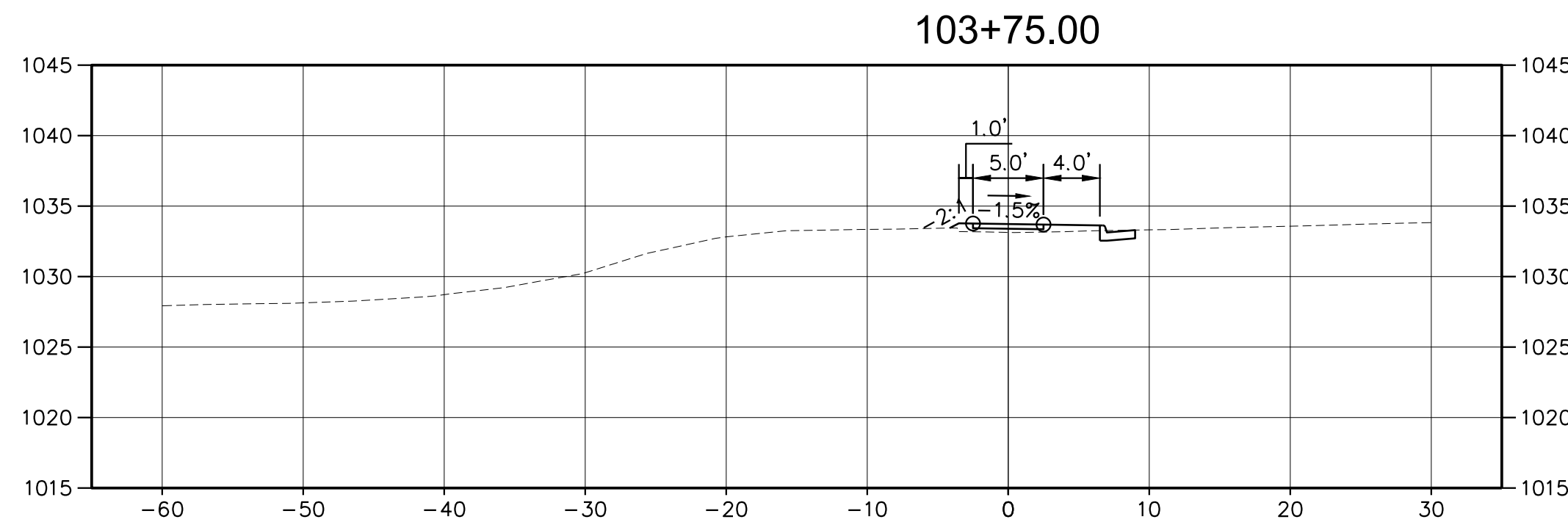
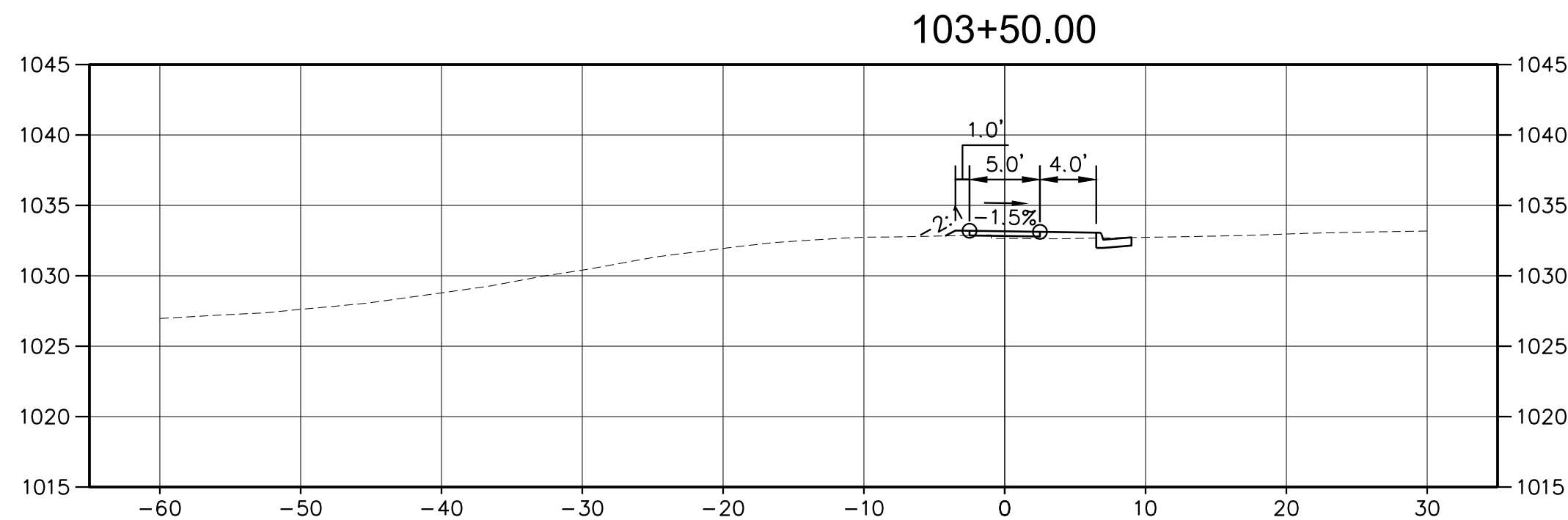
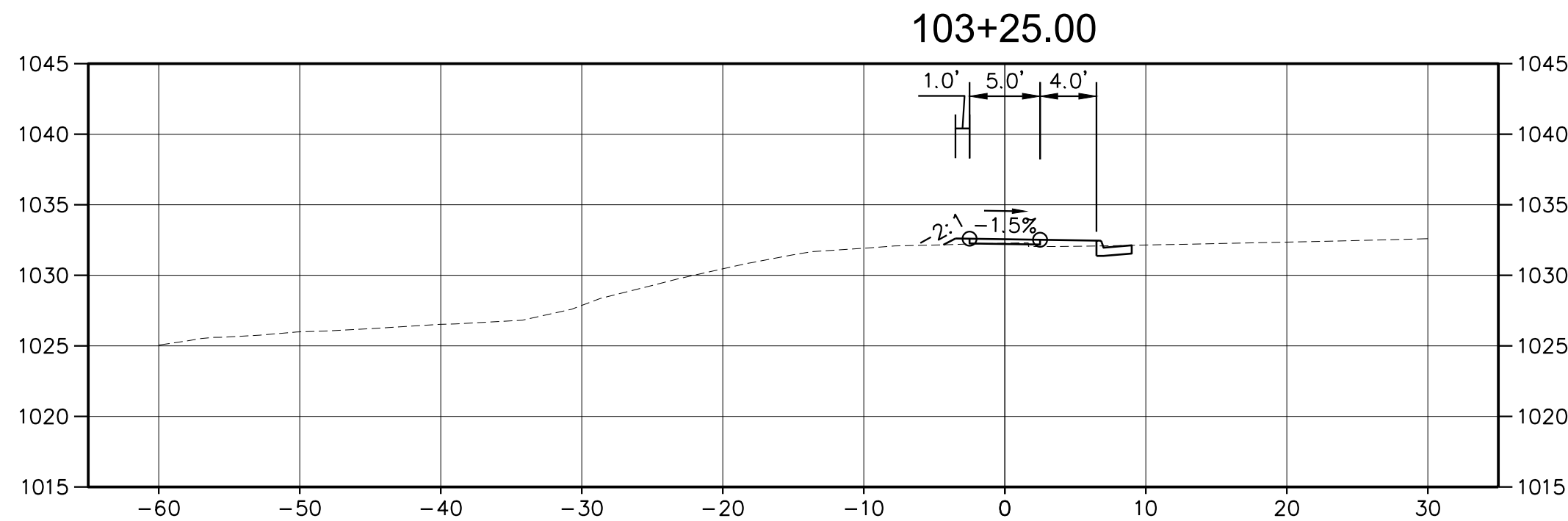
CROSS SECTIONS 1-1

C10.3

SHEET 43 OF 48

0 10' 20'
SCALE: 1"=10'

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STATE PROJECT NO.
0419-129-248
UPC 111367

CITY OF SALEM
21 S. BRUFFEY ST.
SALEM, VA 24153
PHONE: 540-375-3032

MARK	DATE	DESCRIPTION
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R.O.W. PLANS

PROJECT NO:	21-0812.001
SCALE:	1"=10'
DESIGNED BY:	AMT
DRAWN BY:	AMT
CHECKED BY:	AMT

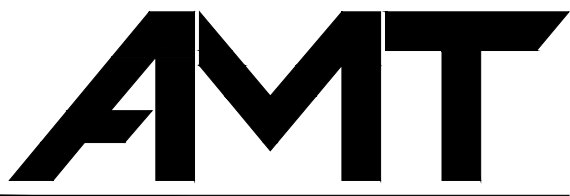
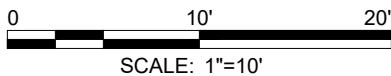
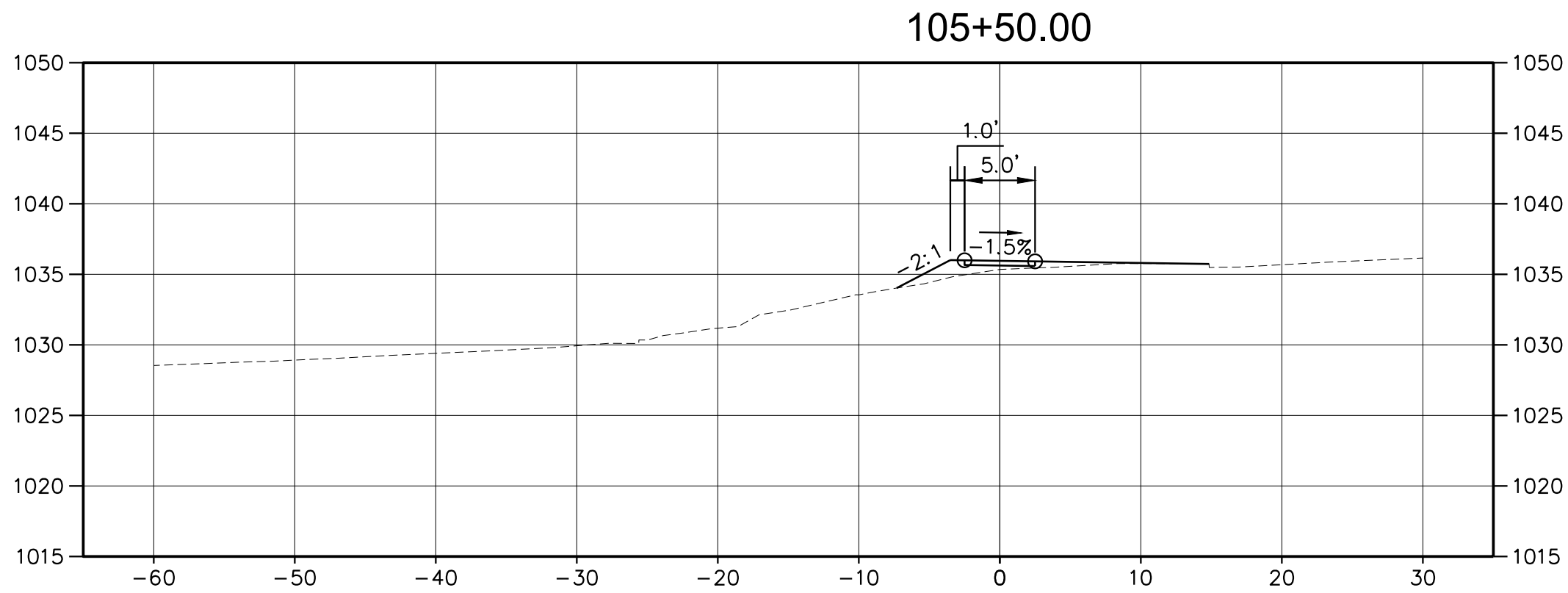
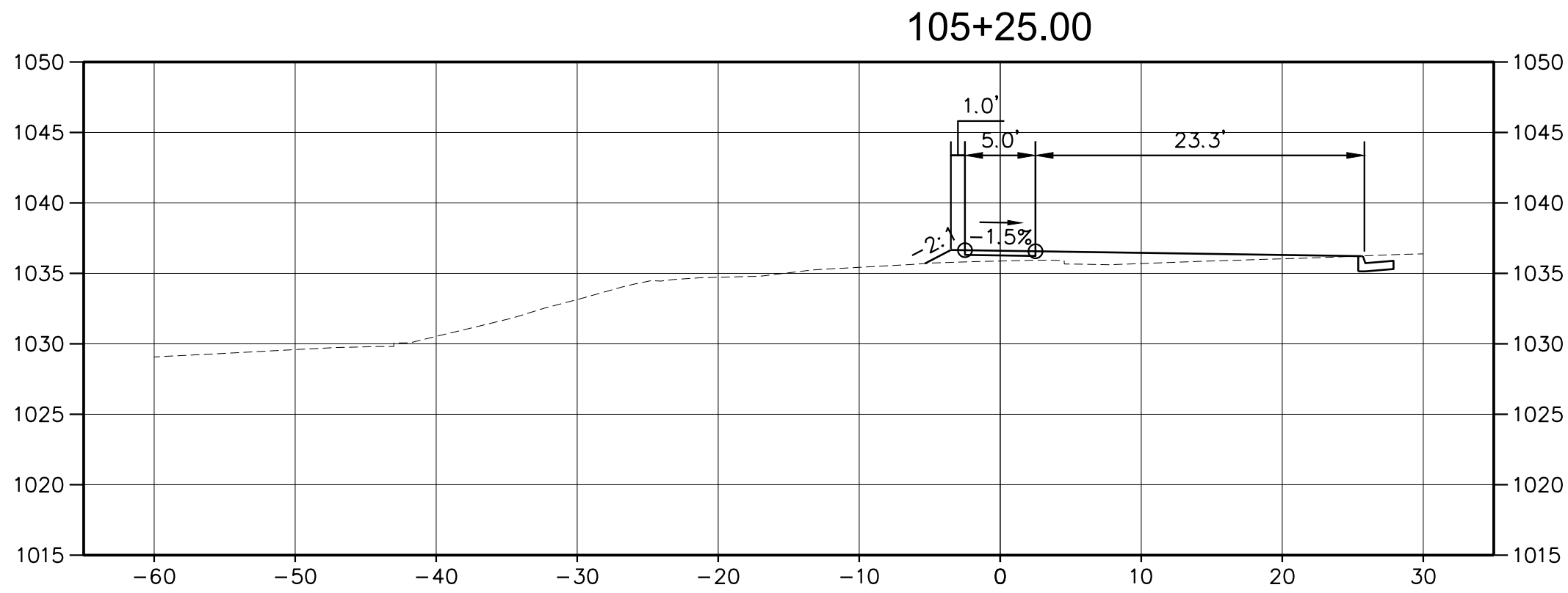
SHEET TITLE

CROSS SECTIONS 1-1

C10.4

SHEET 44 OF 48

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CITY OF SALEM
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SALEM, VA 24153
PHONE: 540-375-3032

MARK	DATE	DESCRIPTION
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R.O.W. PLANS

PROJECT NO:	21-0812.001
SCALE:	1"=10'
DESIGNED BY:	AMT
DRAWN BY:	AMT
CHECKED BY:	AMT

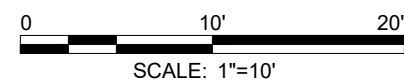
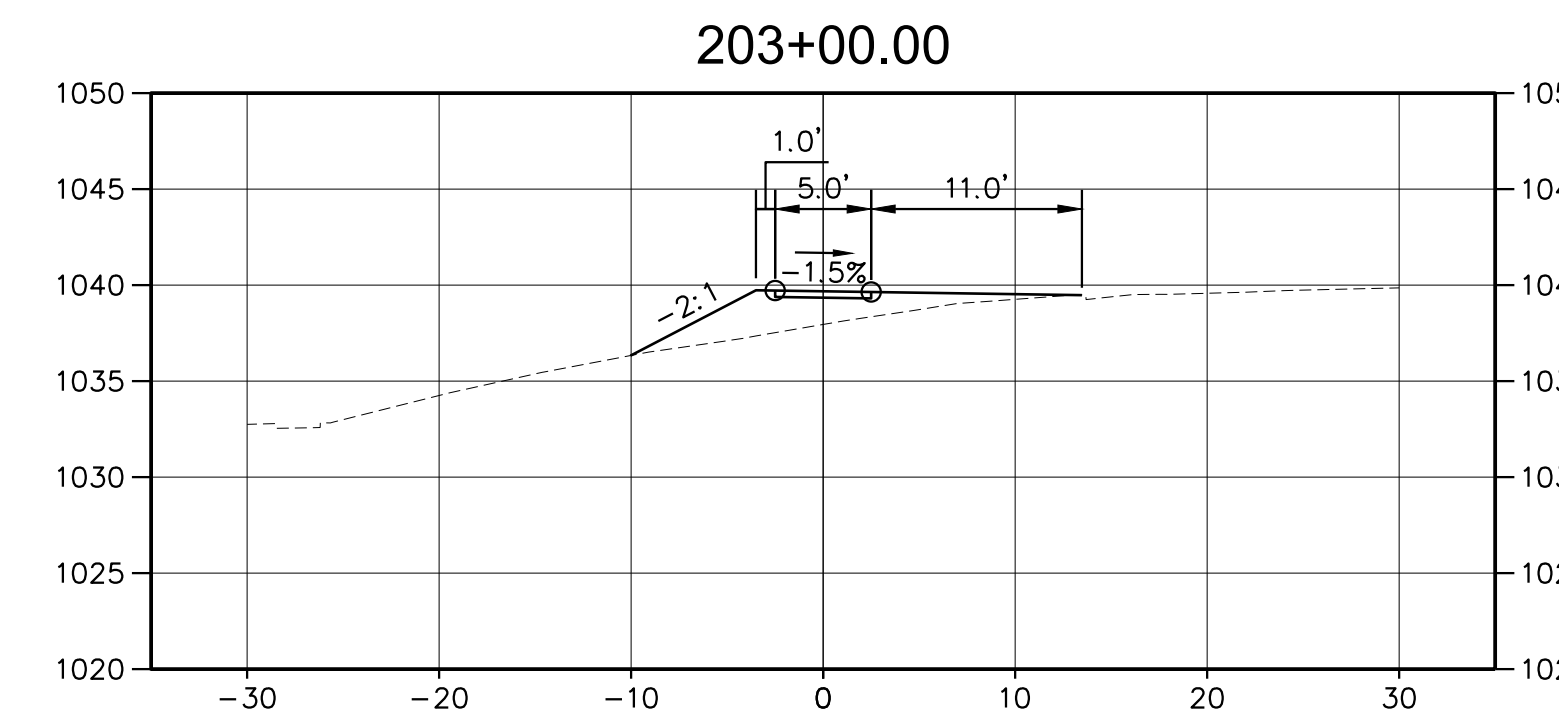
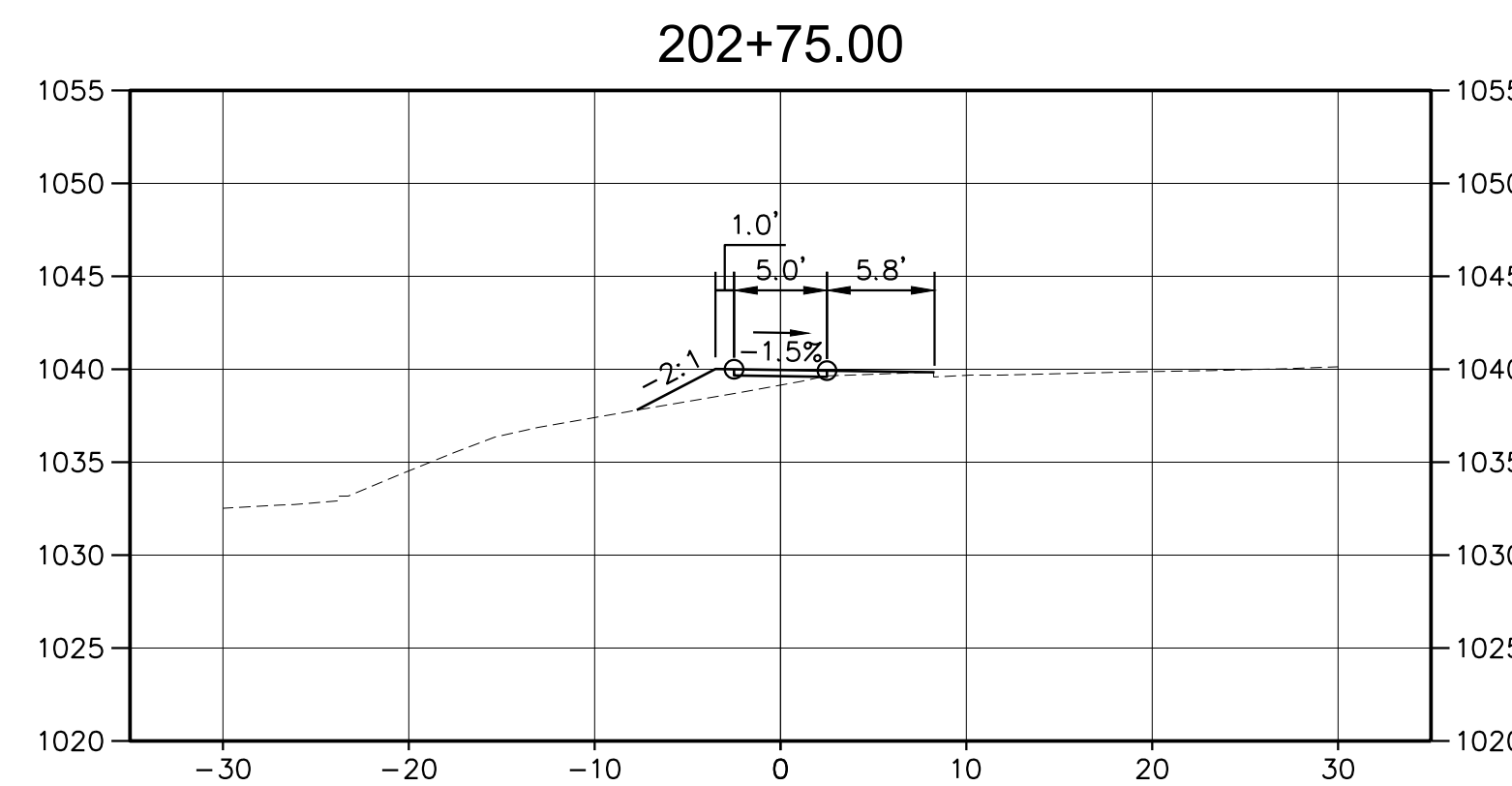
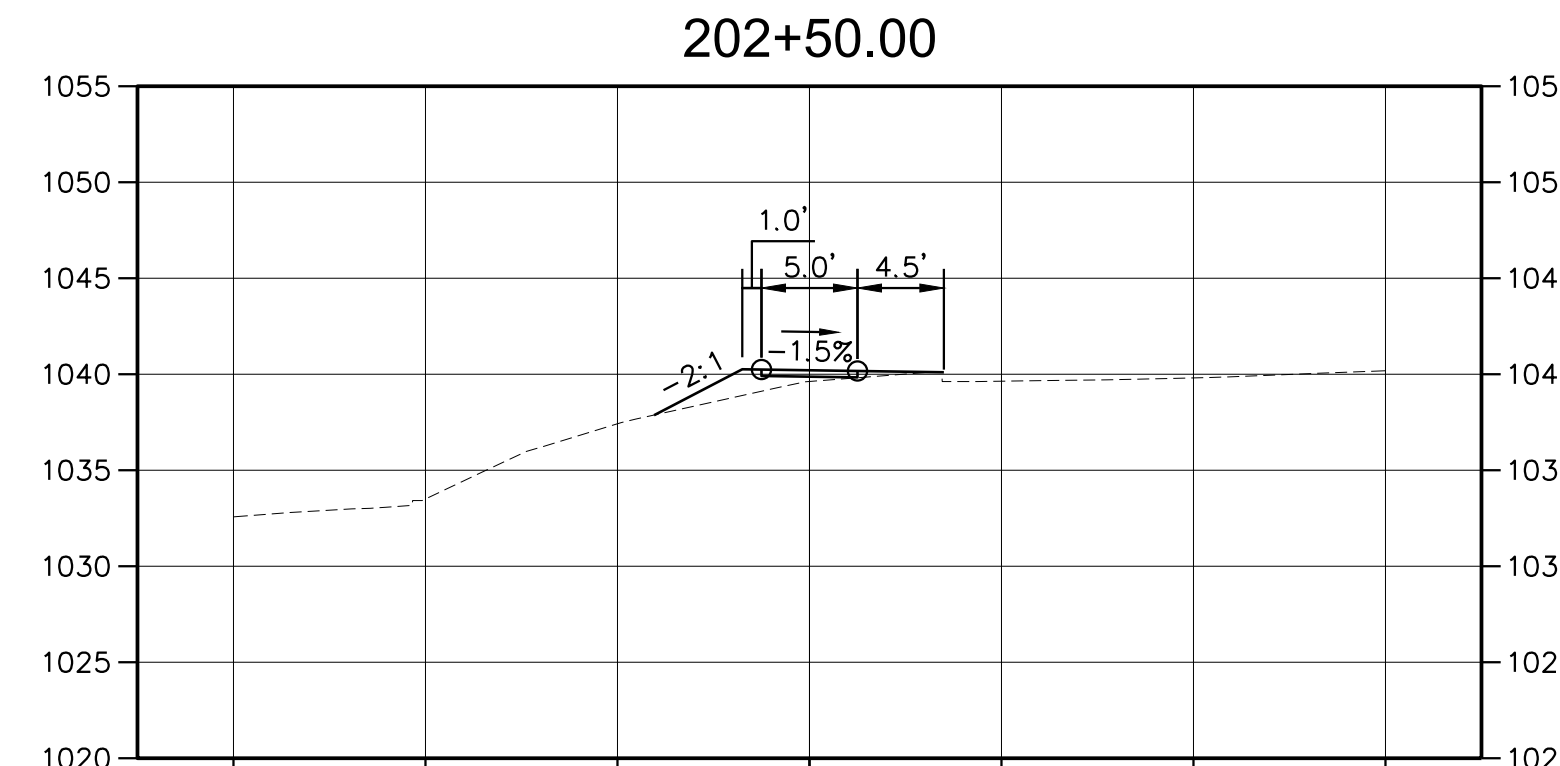
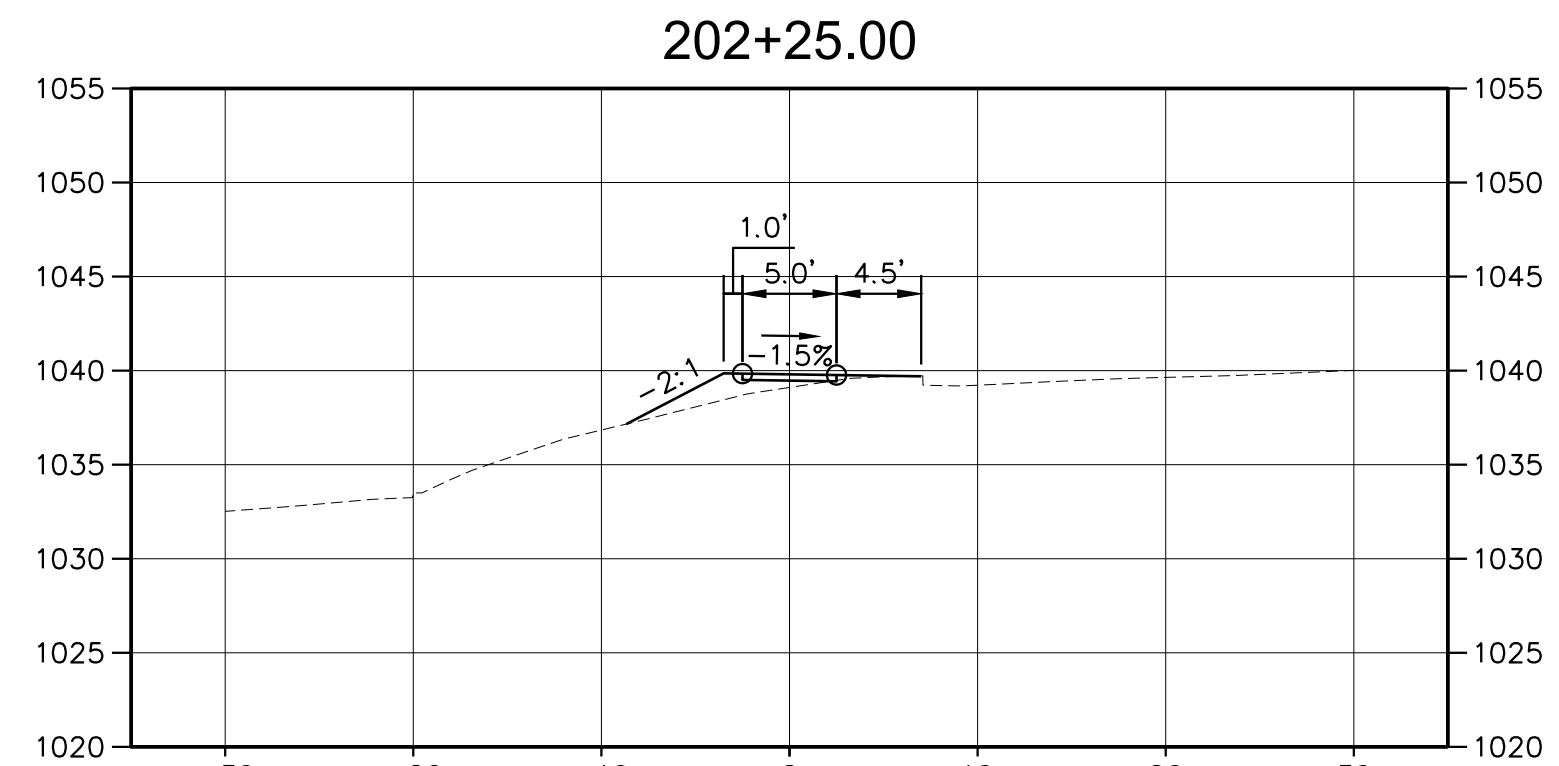
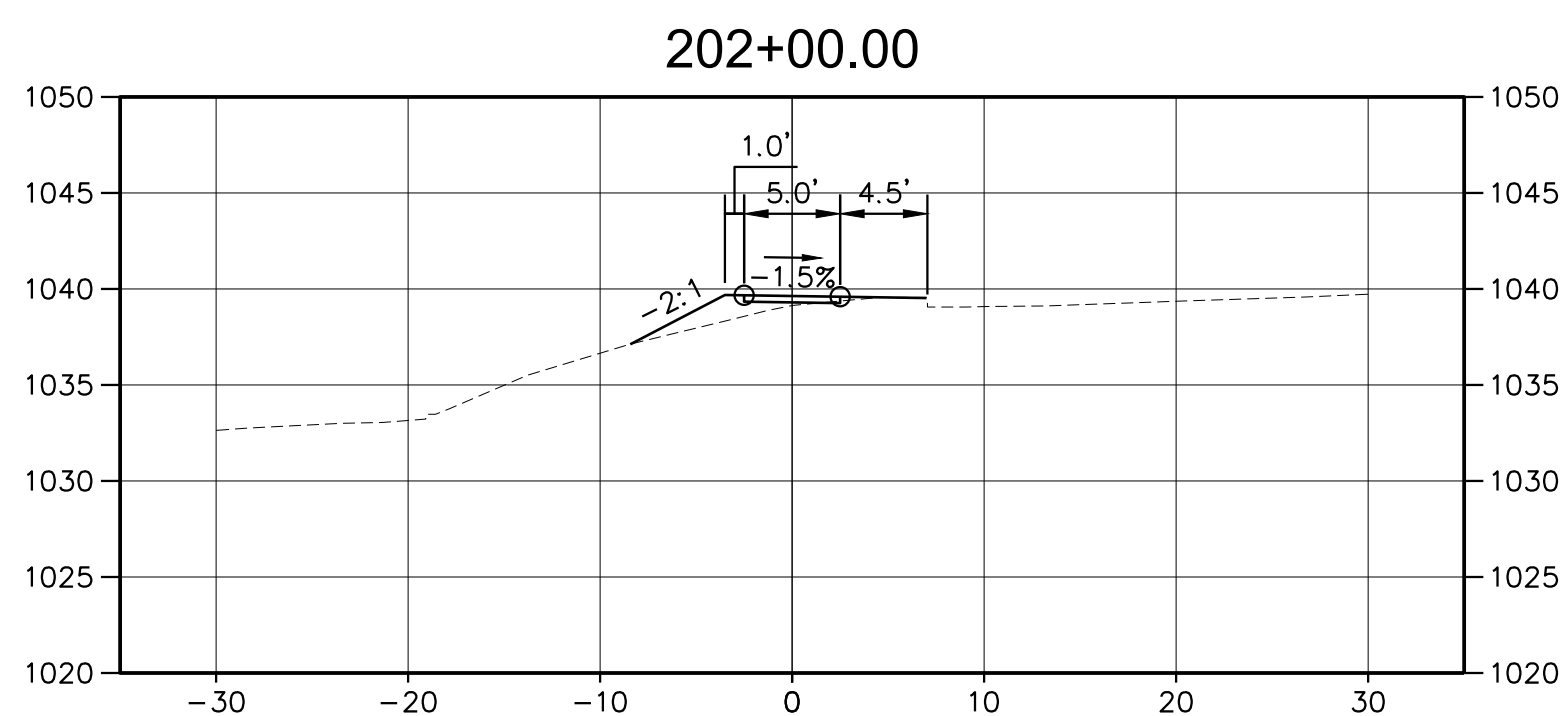
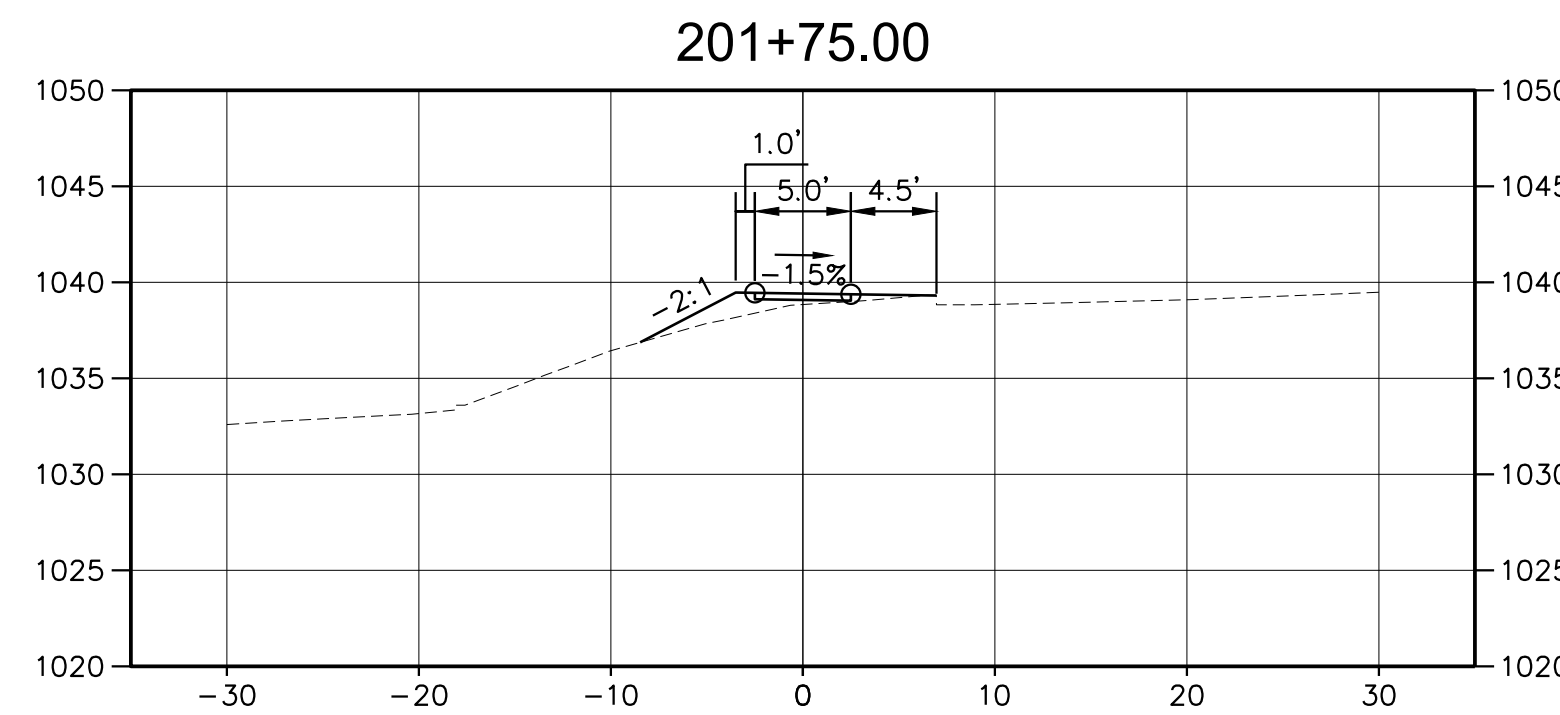
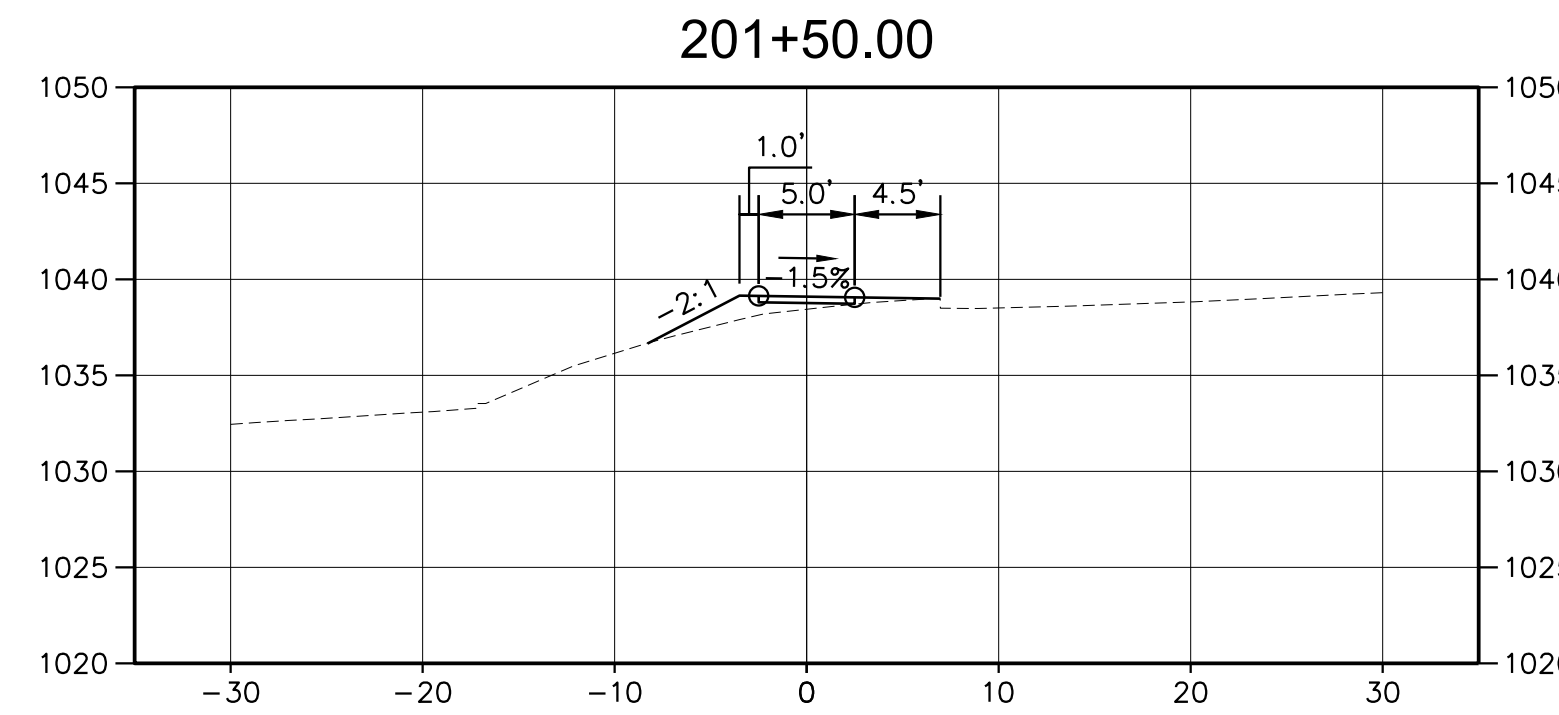
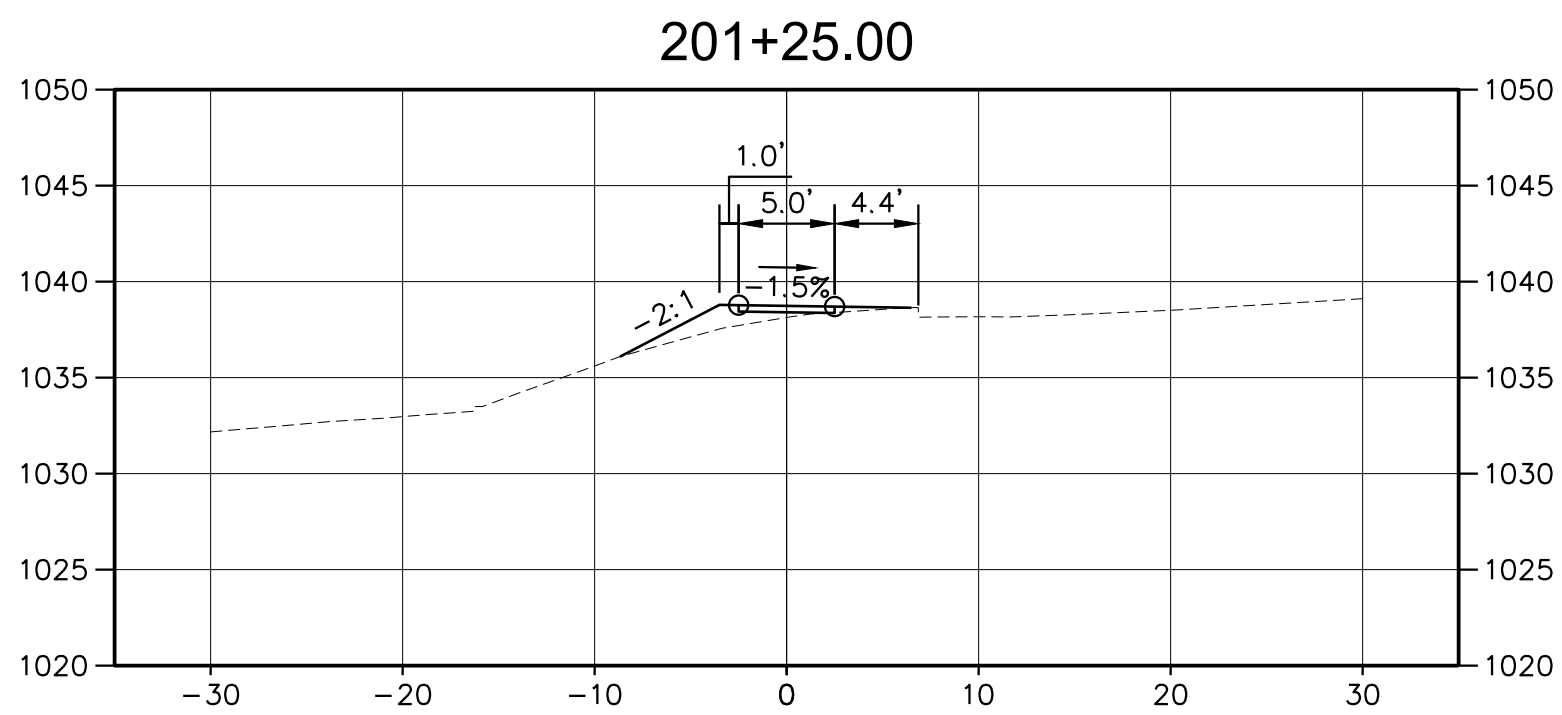
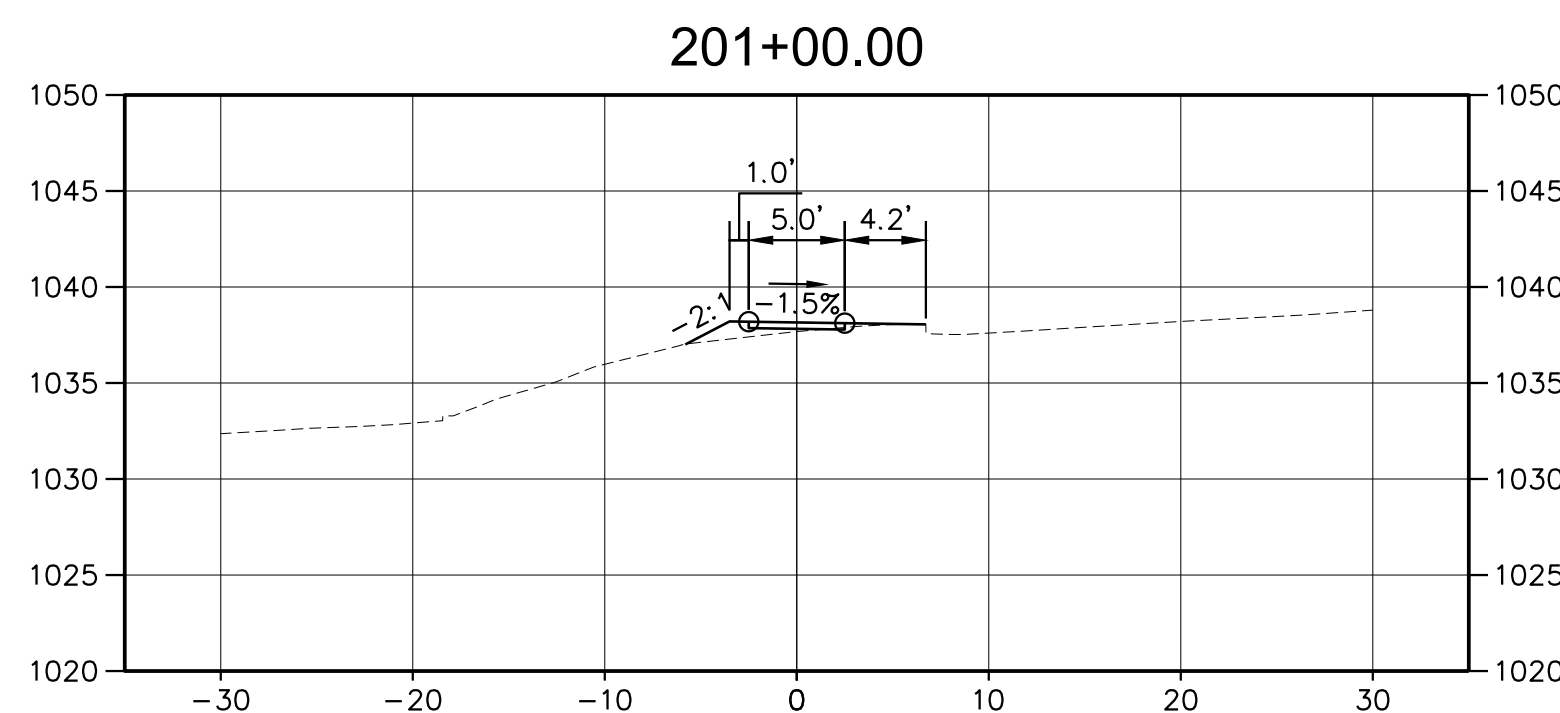
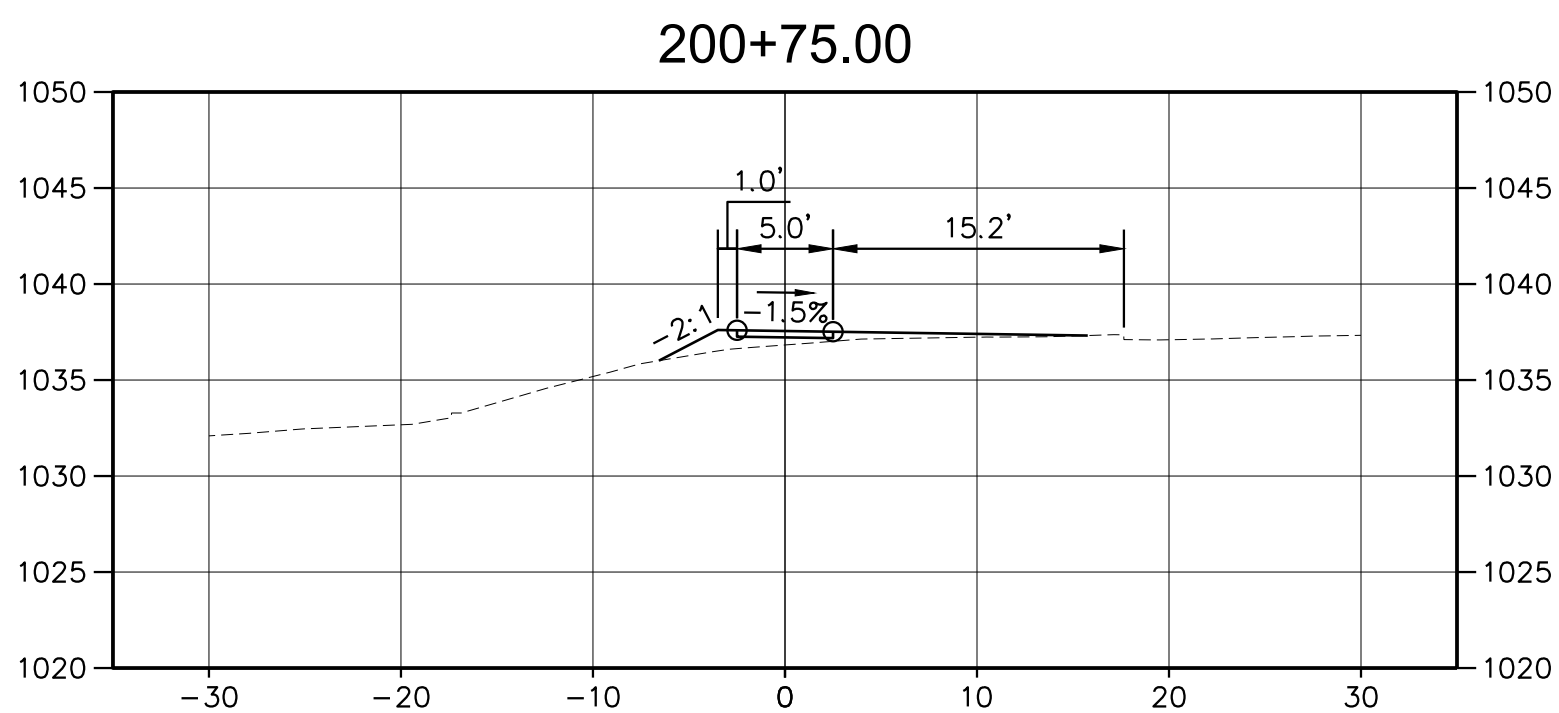
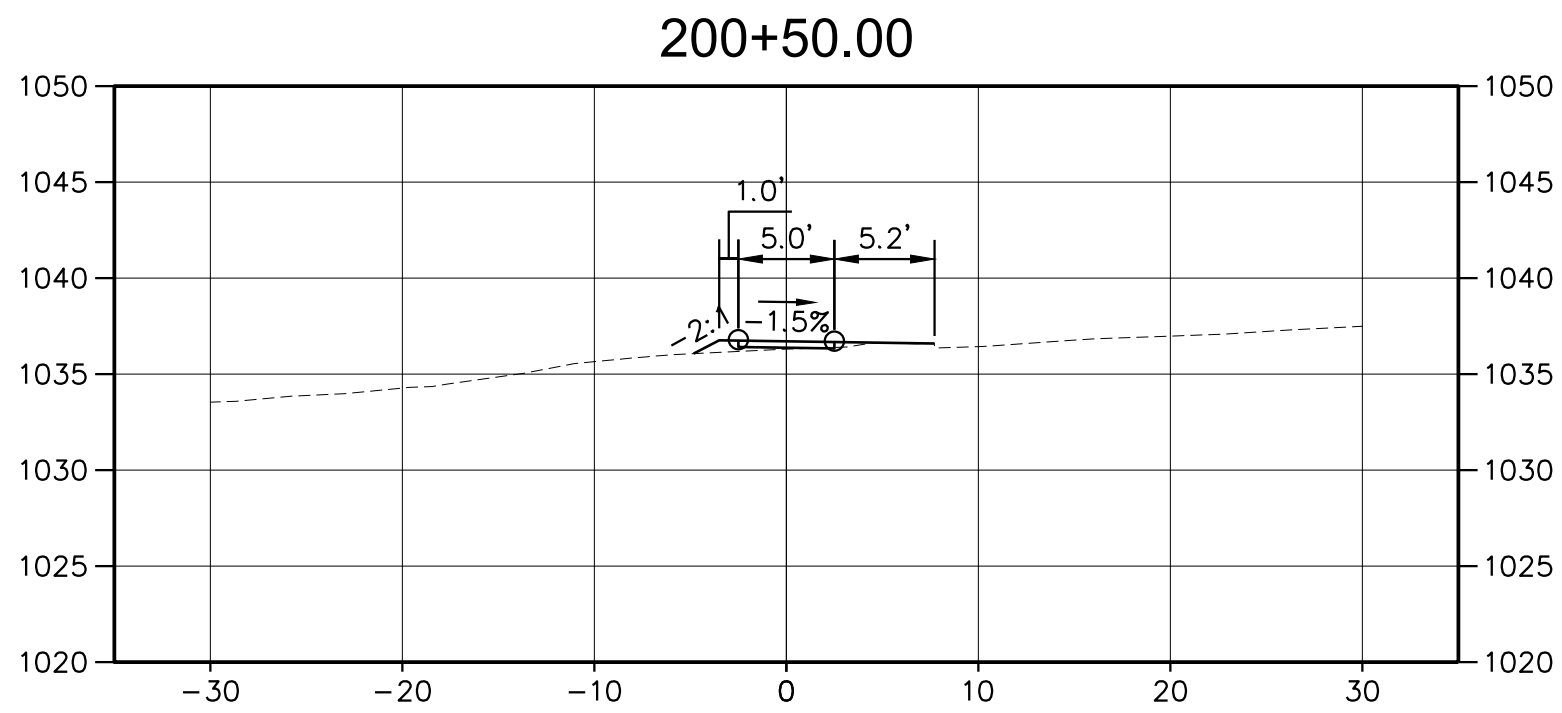
SHEET TITLE

CROSS SECTIONS 1-1

C10.5

SHEET 45 OF 48

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MASON CREEK
GREENWAY PHASE 3 -
419 MULTIMODAL
IMPROVEMENTS
STATE PROJECT NO.
0419-129-248
UPC 111367

CITY OF SALEM
21 S. BRUFFEY ST.
SALEM, VA 24153
PHONE: 540-375-3032

MARK	DATE	DESCRIPTION
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R.O.W. PLANS

PROJECT NO:	21-0812.001
SCALE:	1"=10'
DESIGNED BY:	AMT
DRAWN BY:	AMT
CHECKED BY:	AMT

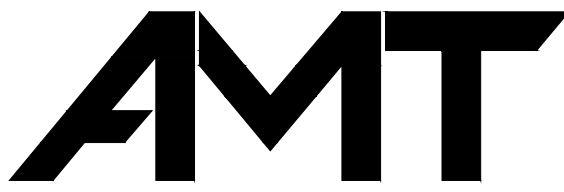
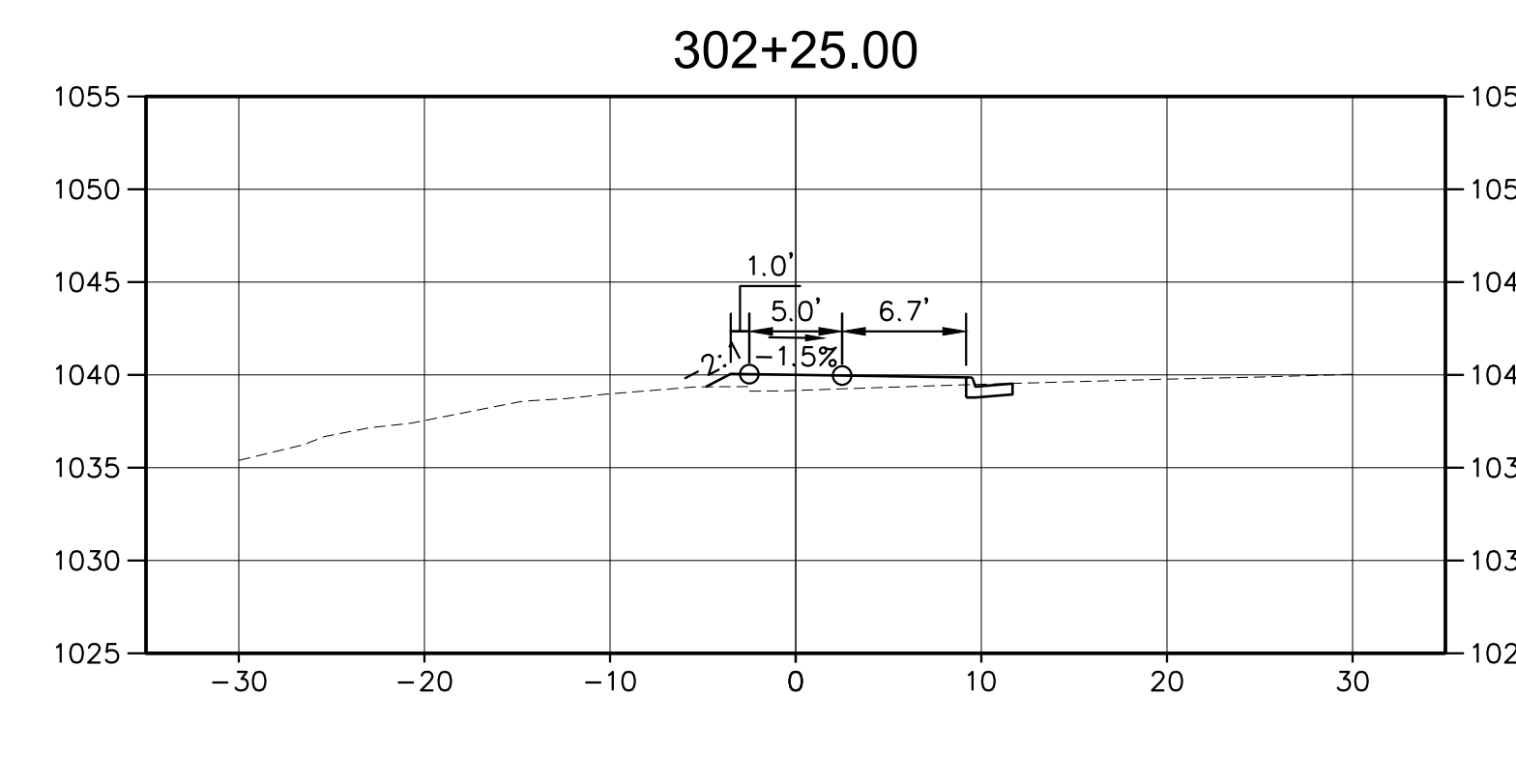
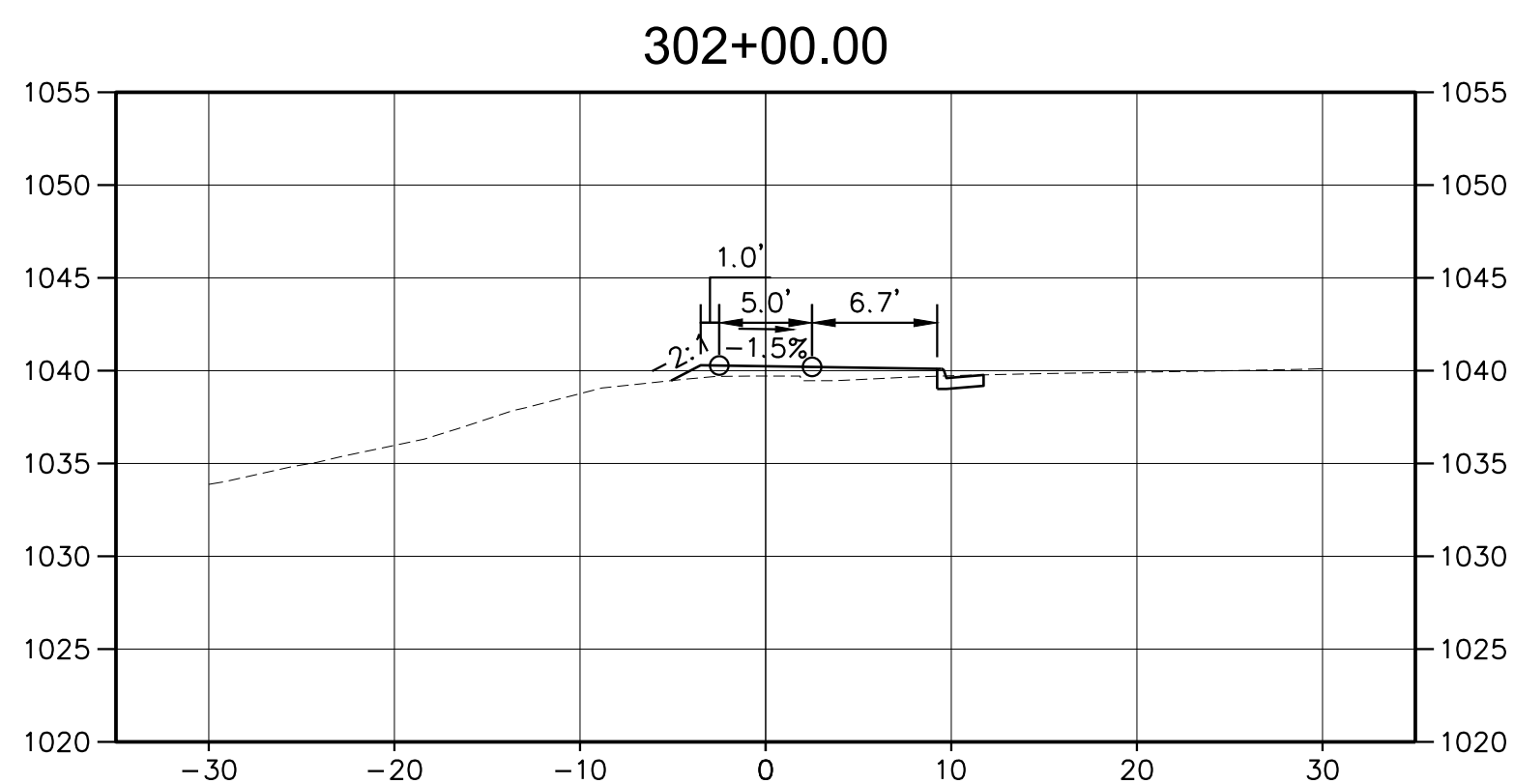
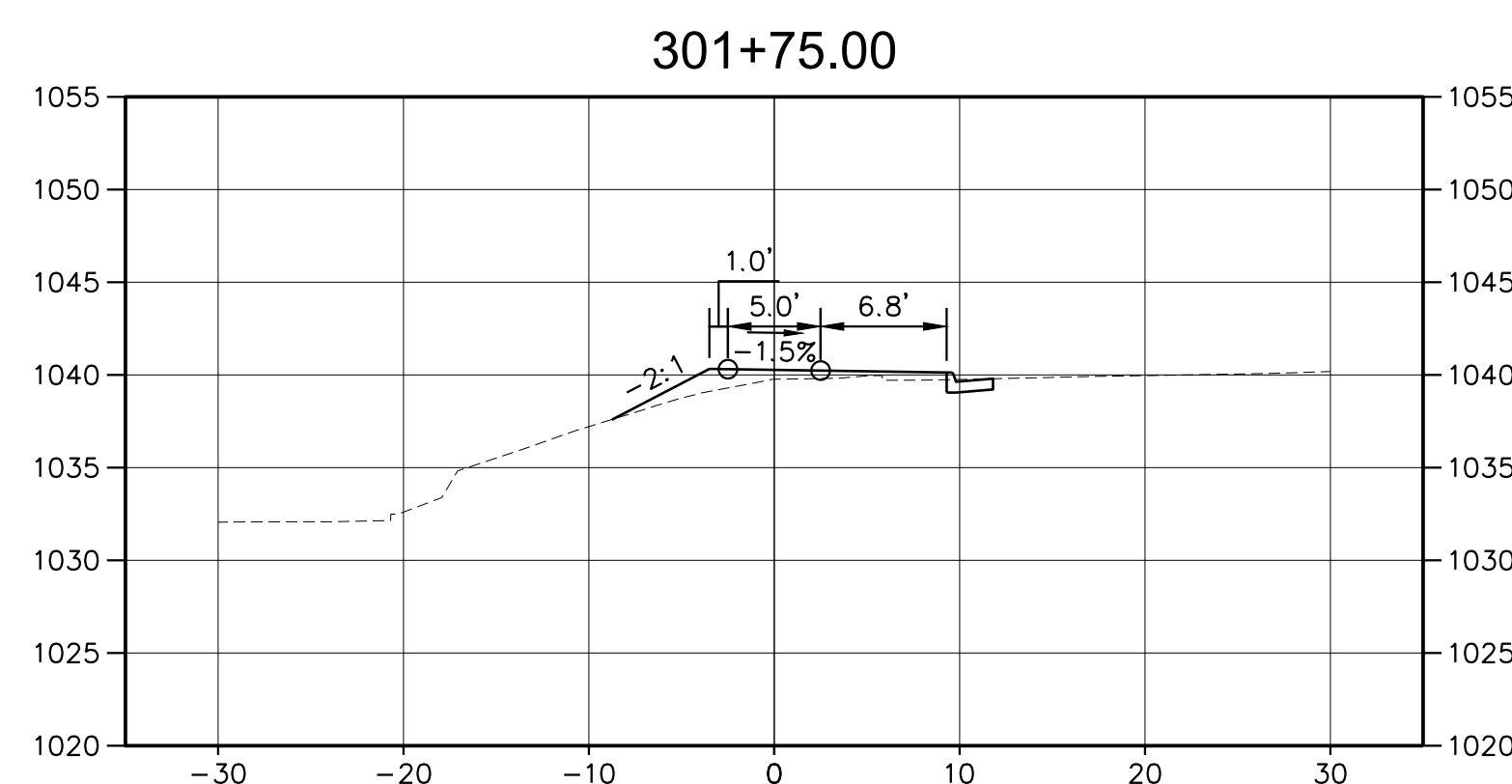
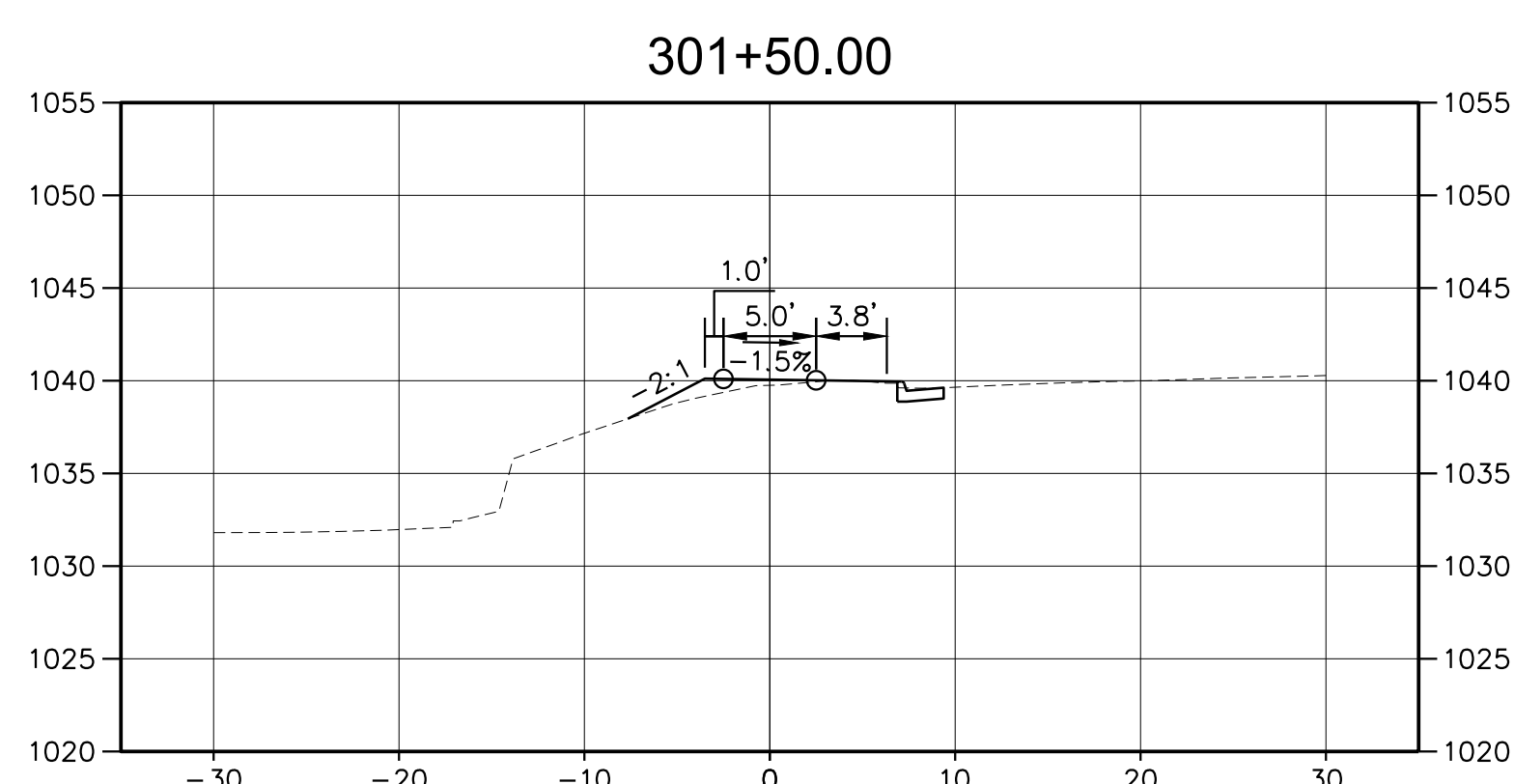
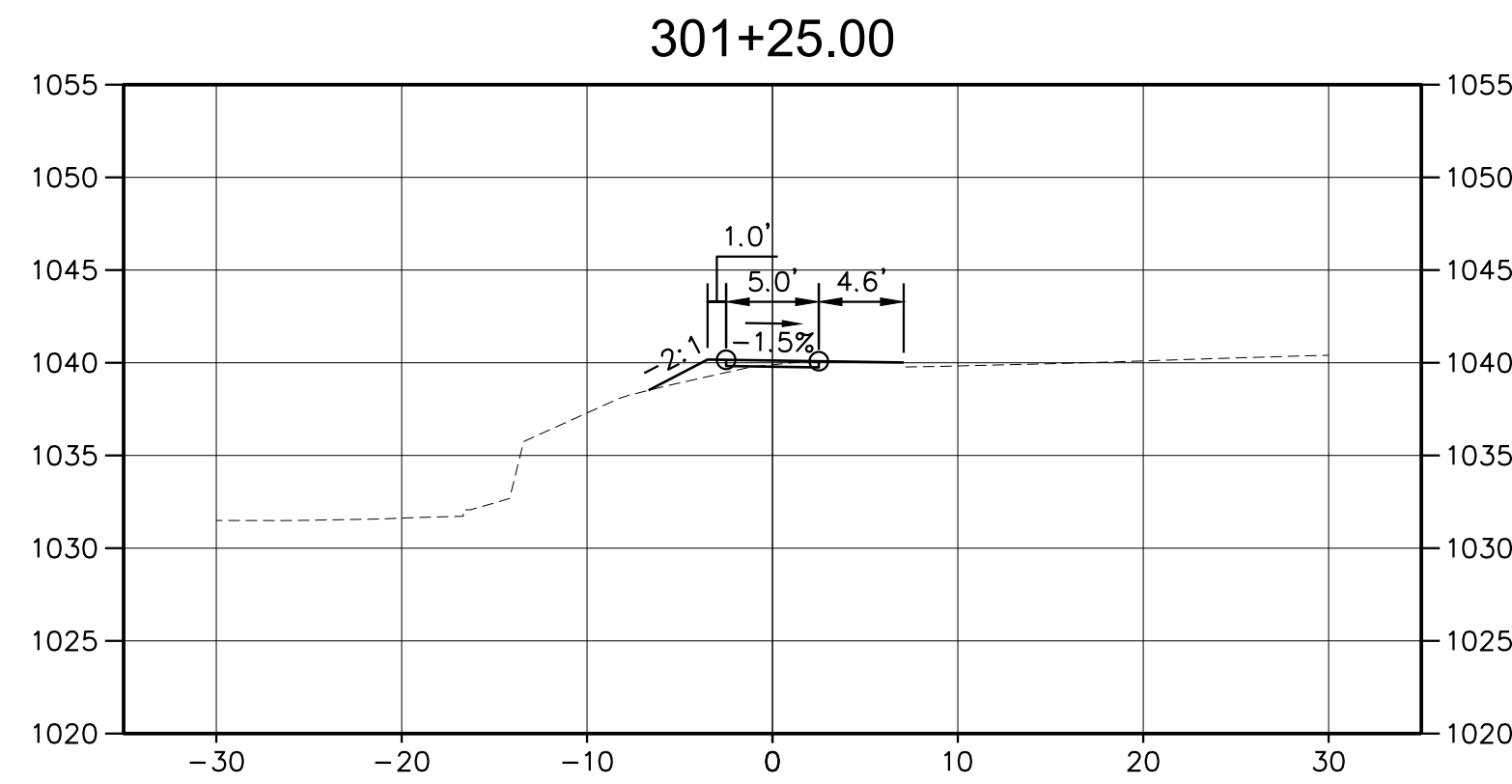
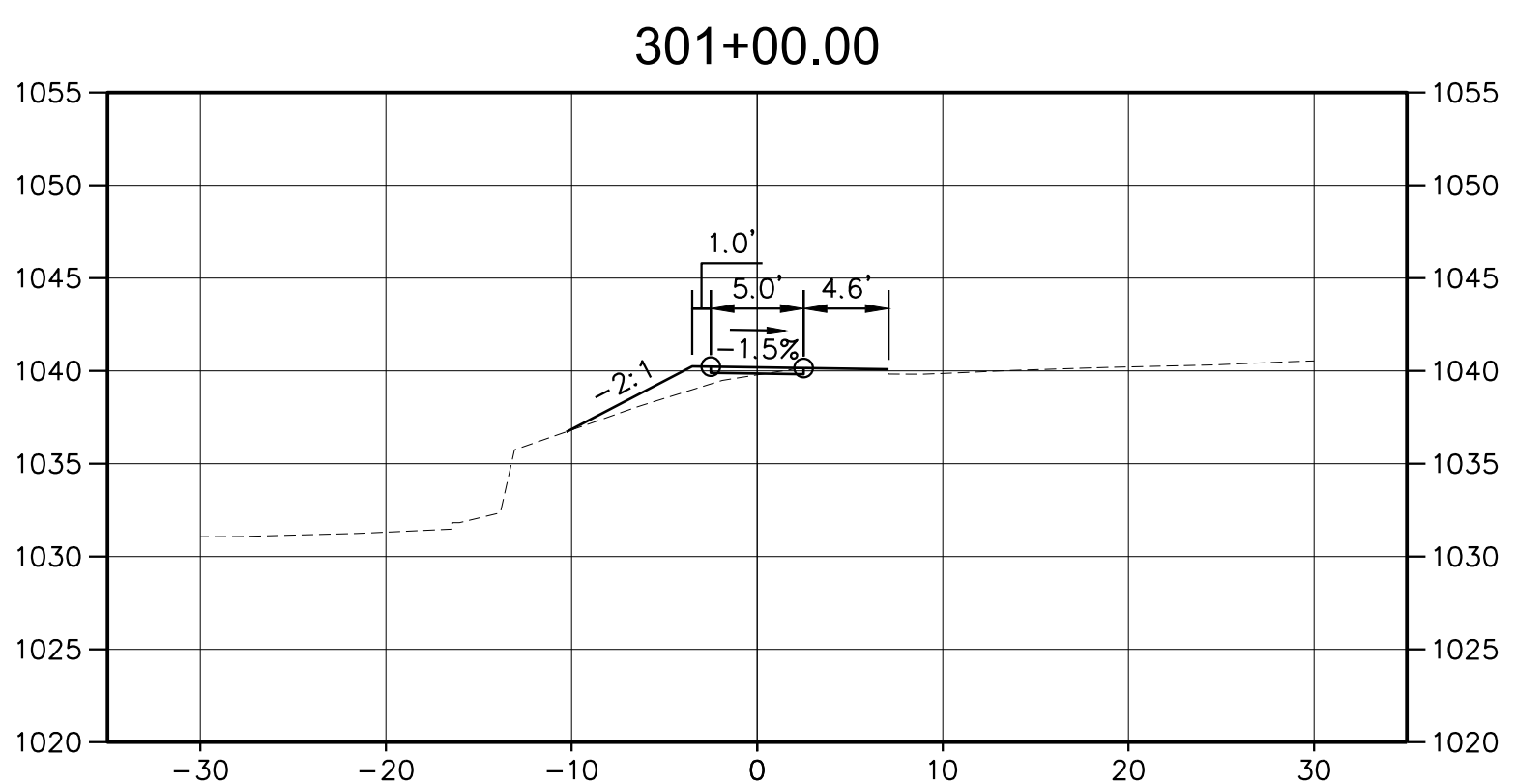
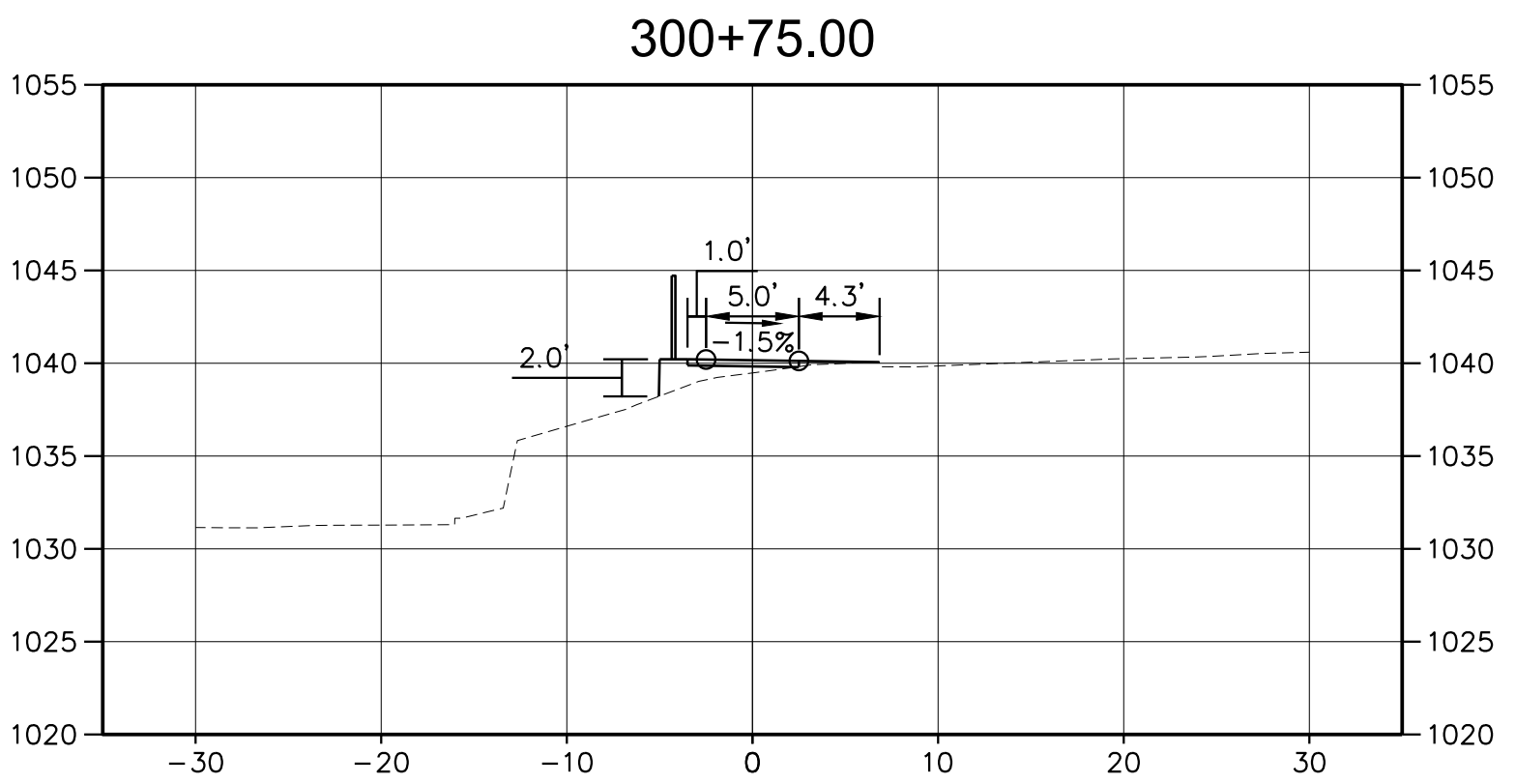
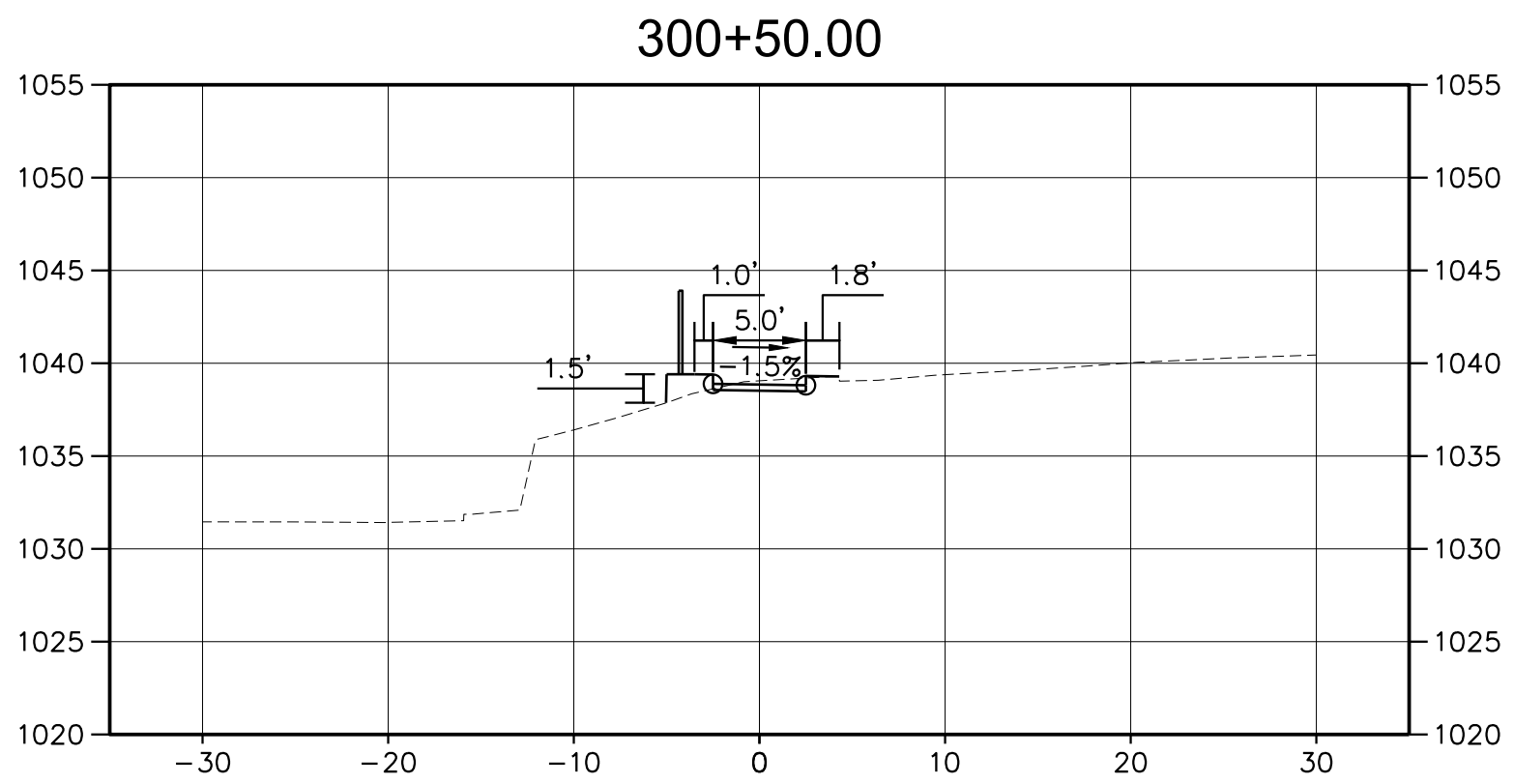
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CROSS SECTIONS 2-1

C10.6

SHEET 46 OF 48

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MARK	DATE	DESCRIPTION
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R.O.W. PLANS

PROJECT NO:	21-0812.001
SCALE:	1"=10'
DESIGNED BY:	AMT
DRAWN BY:	AMT
CHECKED BY:	AMT

SHEET TITLE

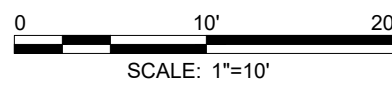
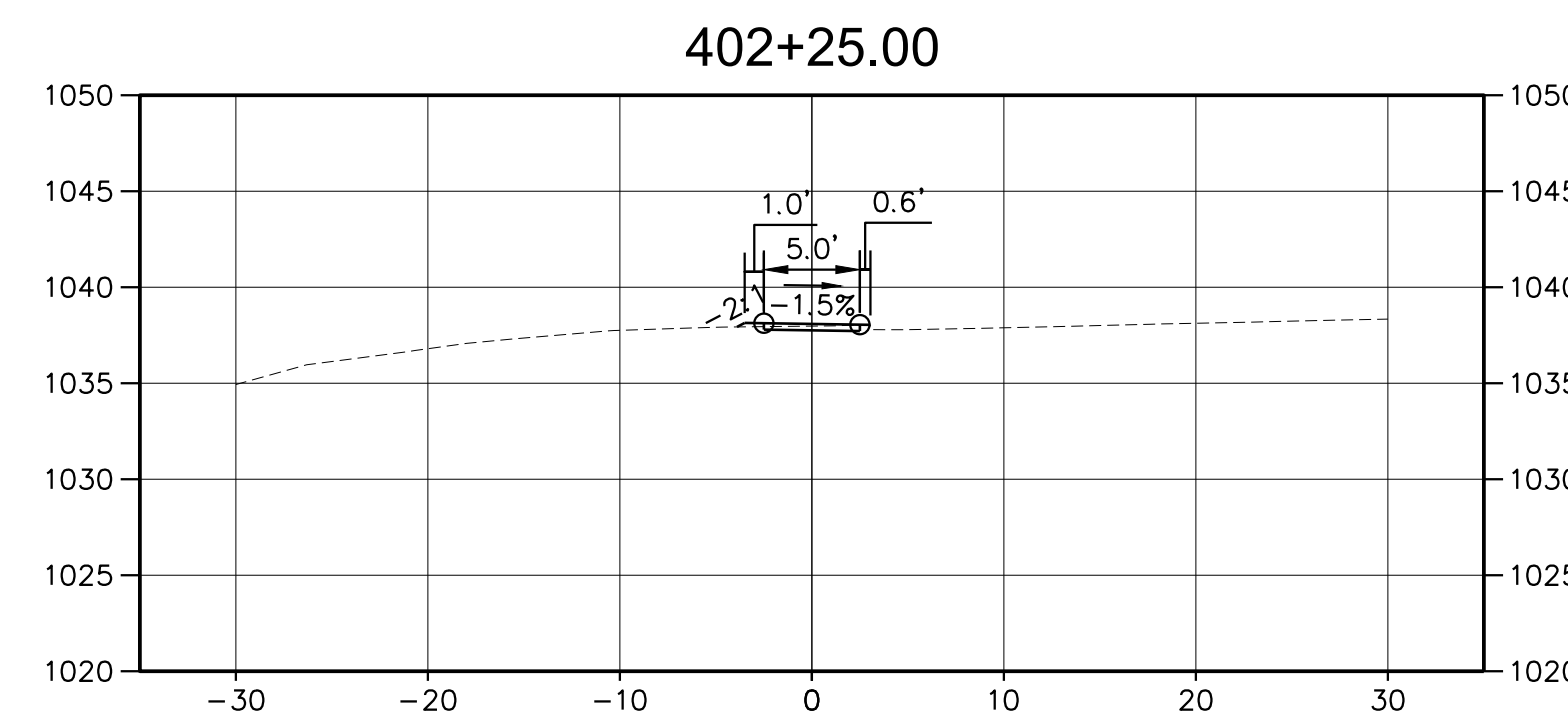
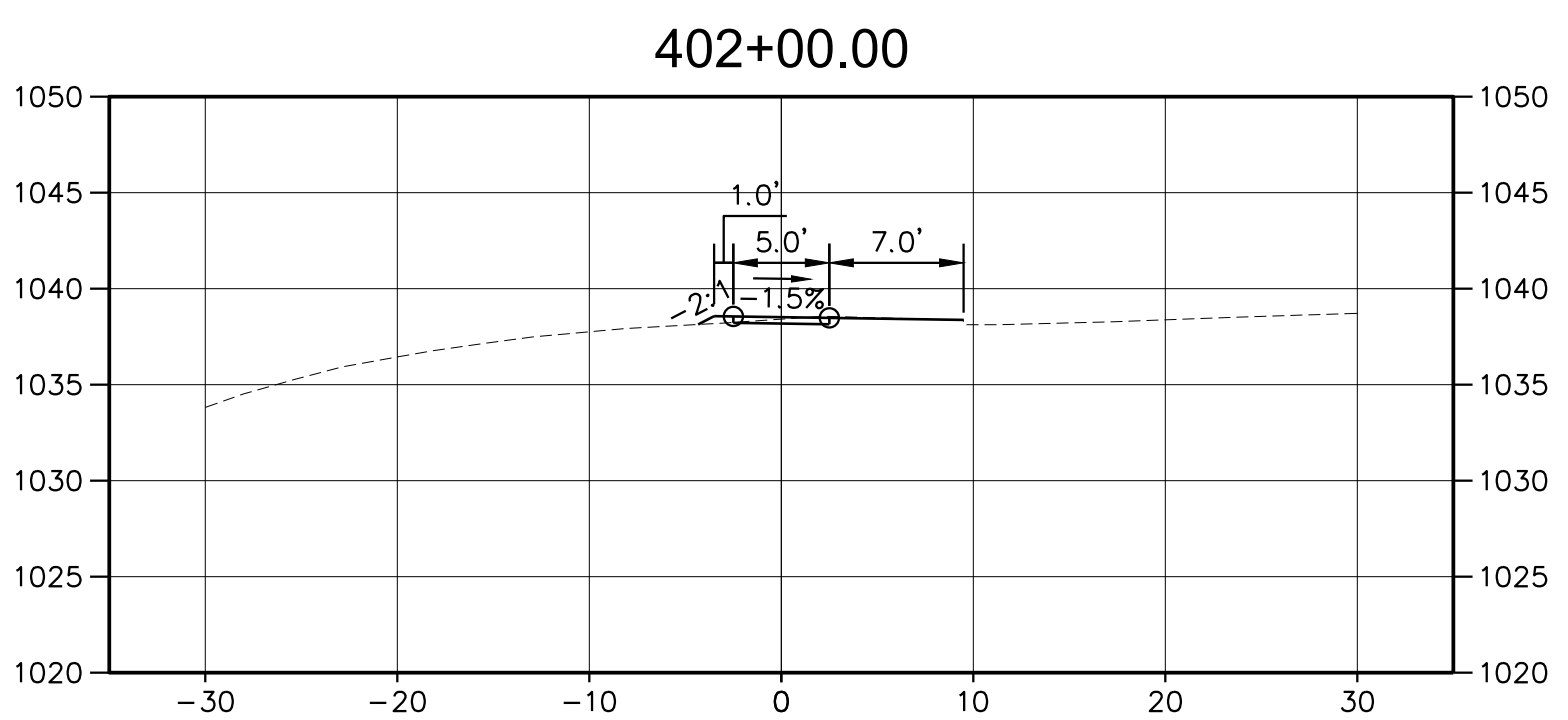
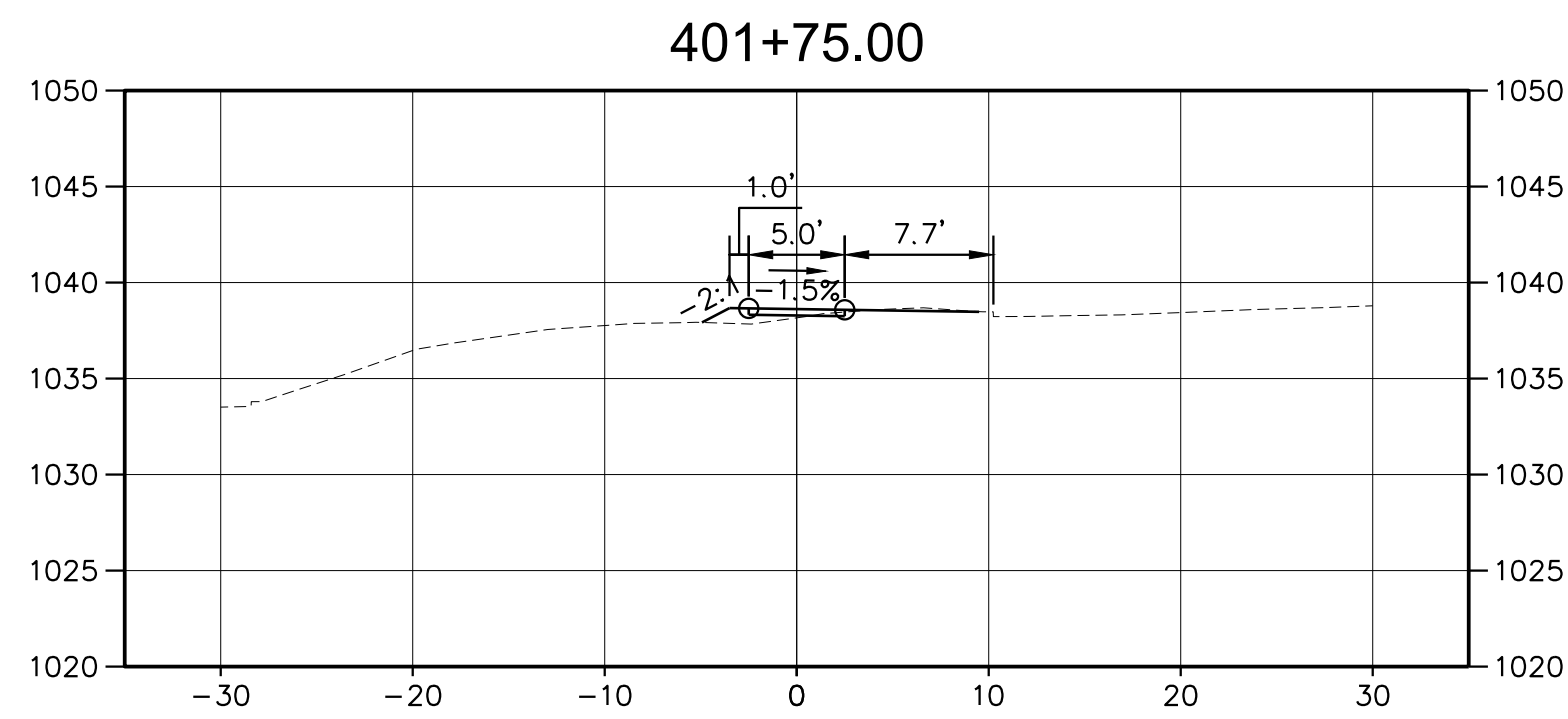
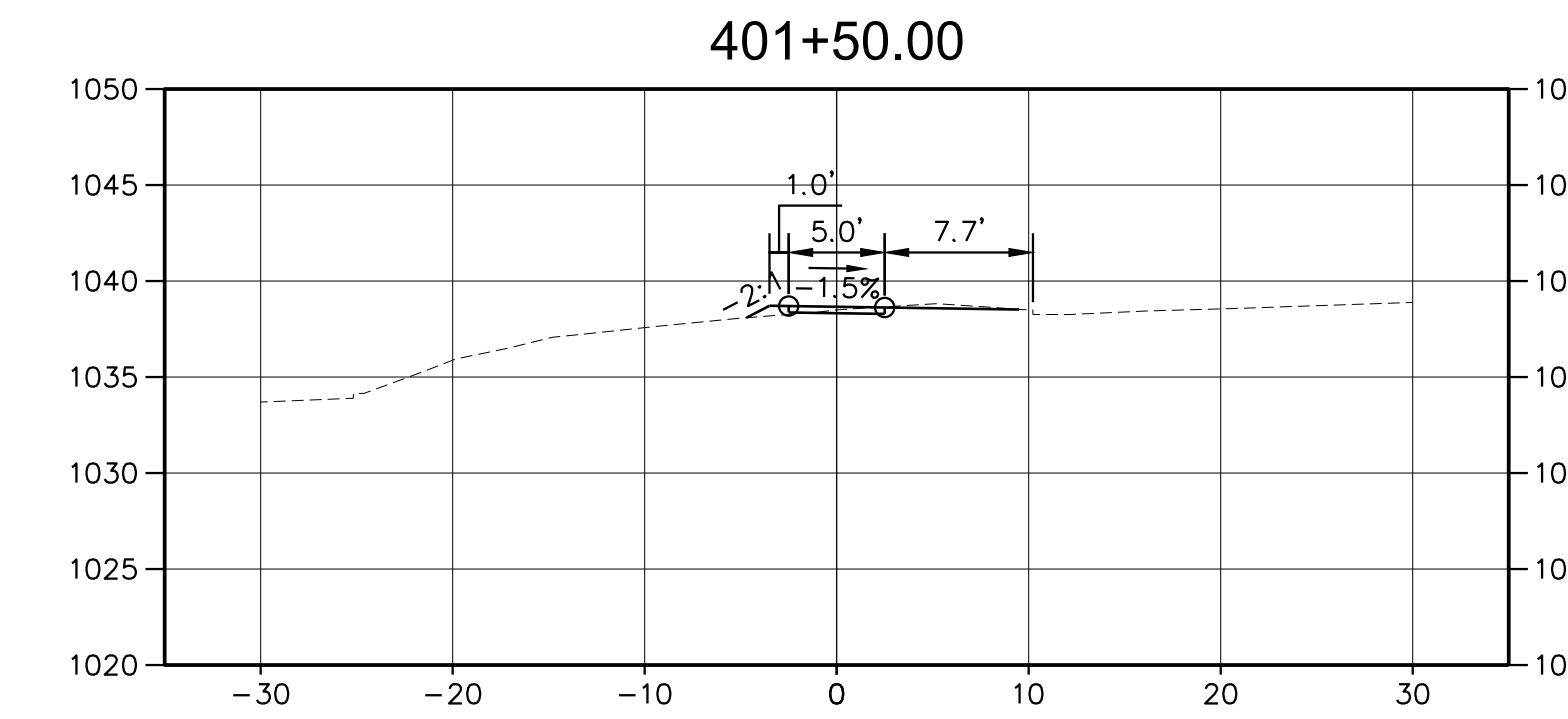
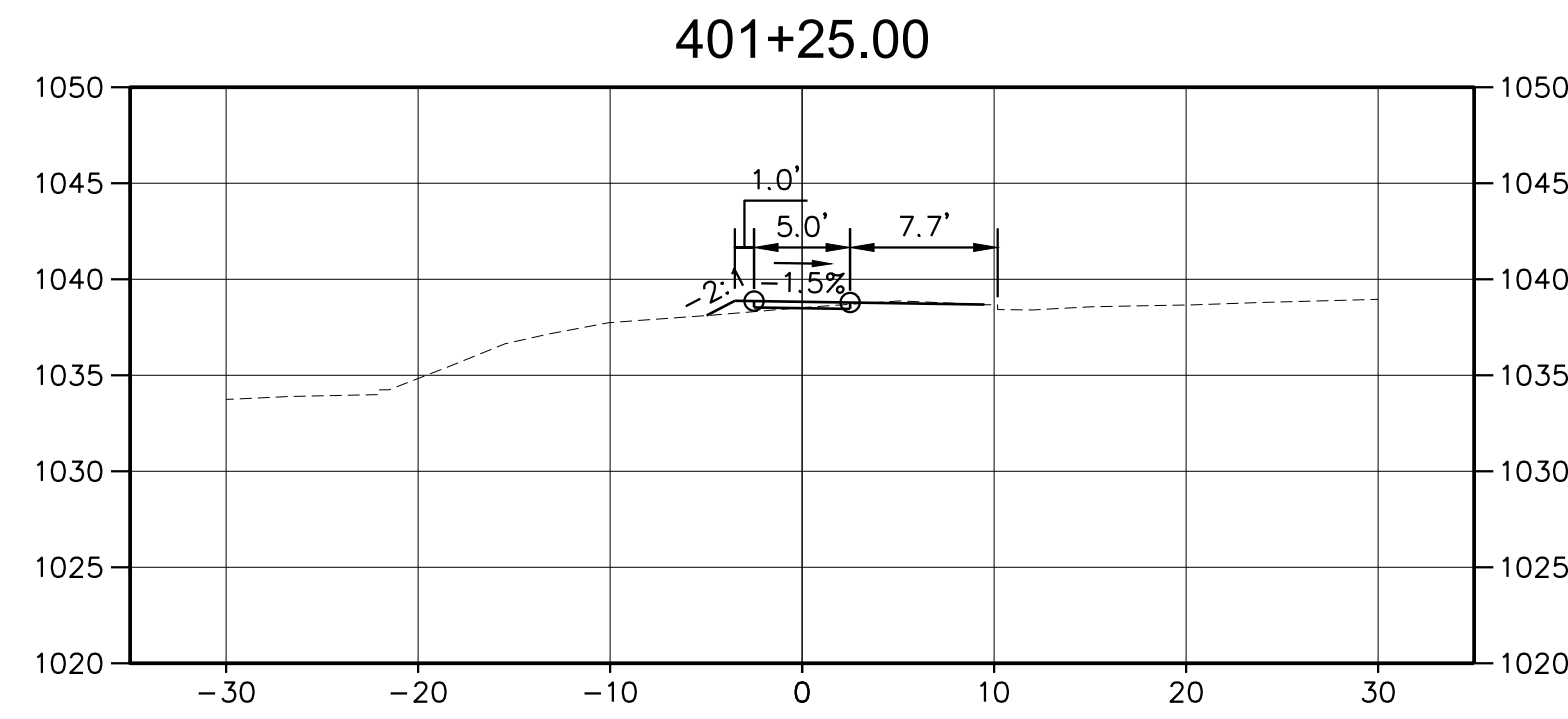
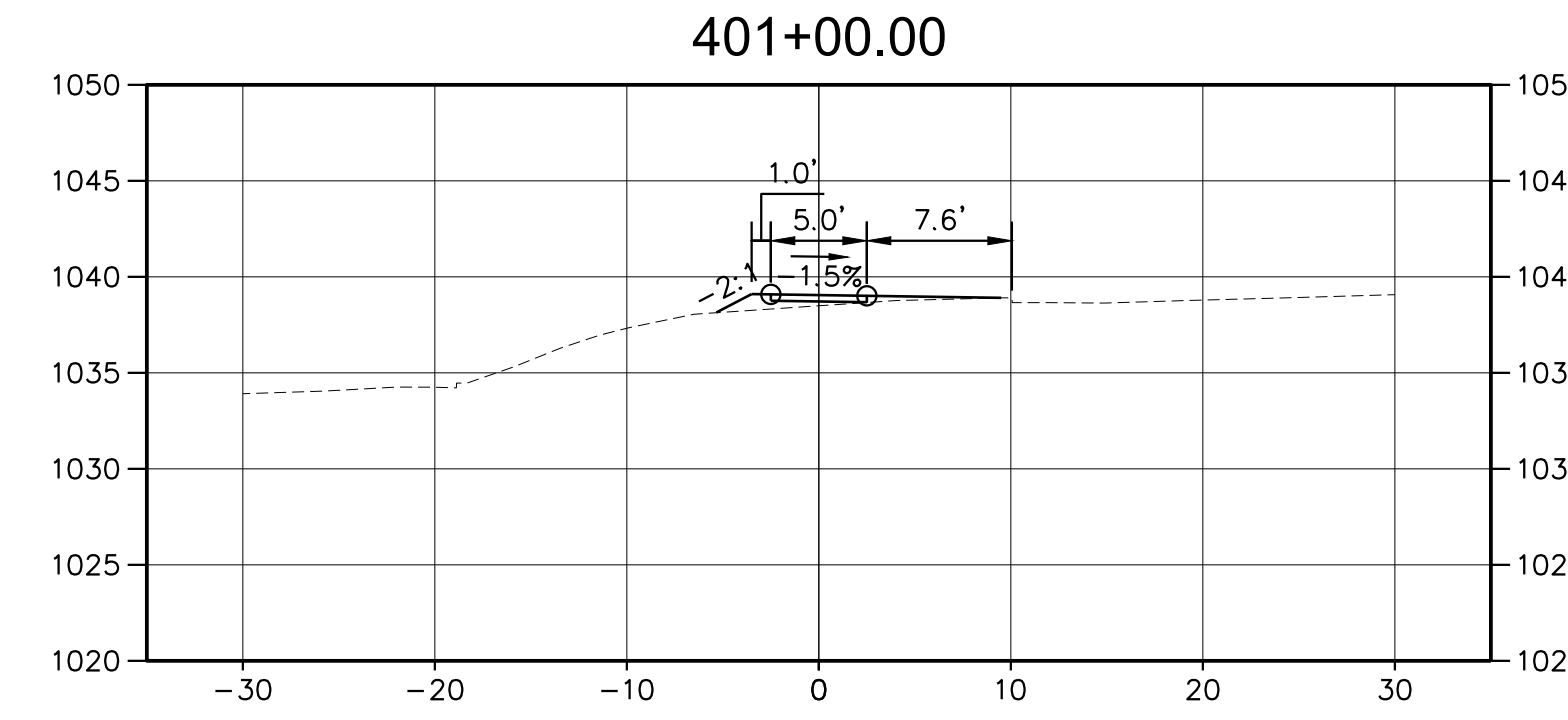
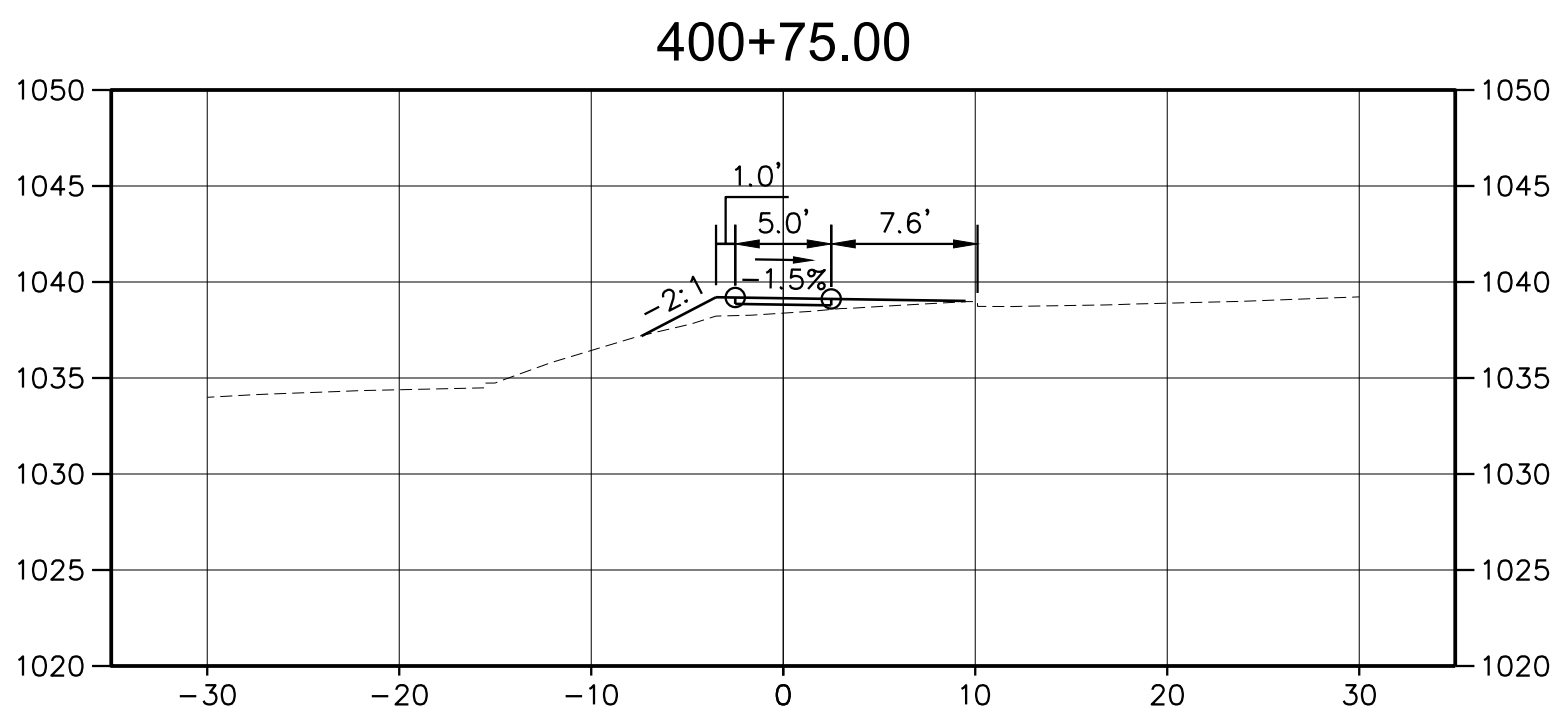
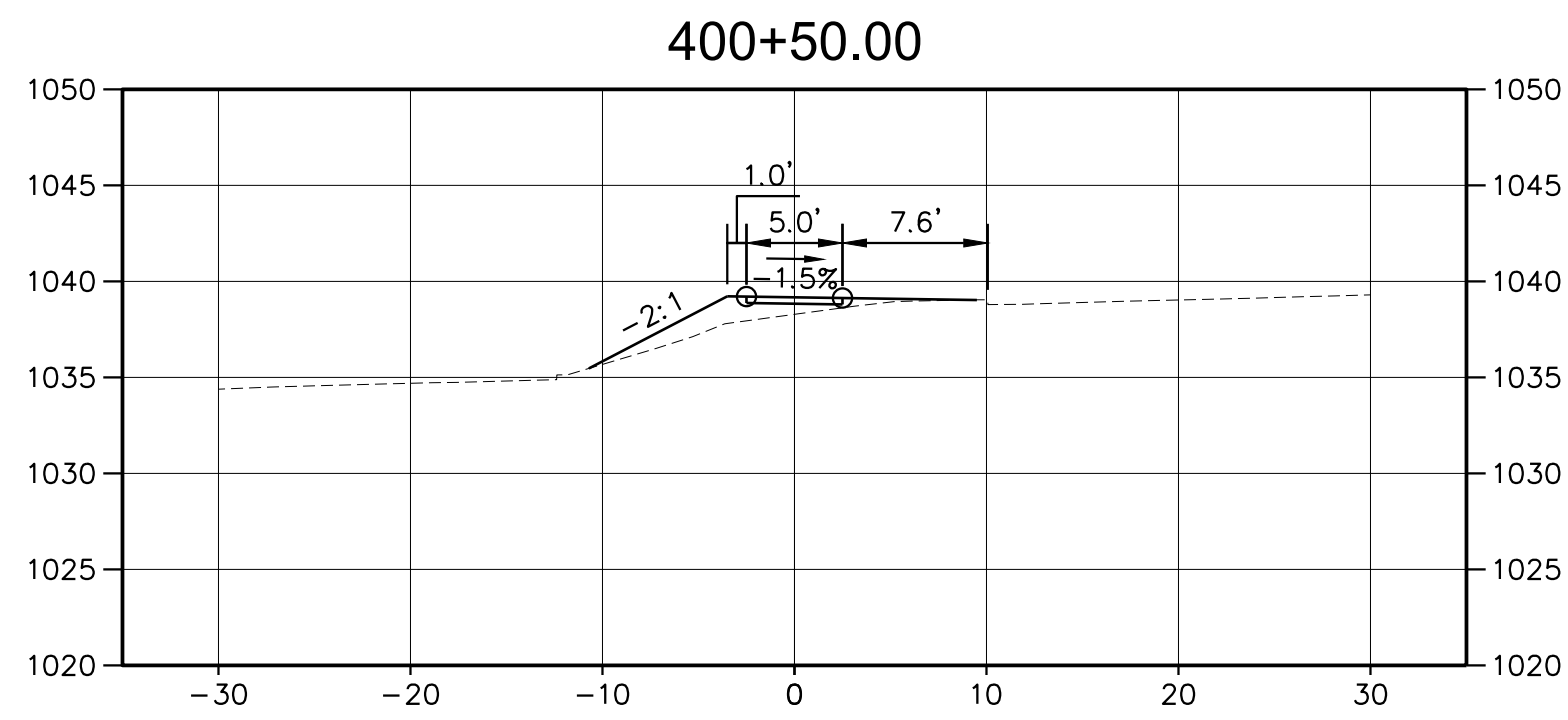
CROSS SECTIONS 3-1

C10.7

SHEET 47 OF 48

0 10' 20'
SCALE: 1"=10'

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R.O.W. PLANS

PROJECT NO:	21-0812.001
SCALE:	1"=10'
DESIGNED BY:	AMT
DRAWN BY:	AMT
CHECKED BY:	AMT

SHEET TITLE

CROSS SECTIONS 4-1

C10.8

SHEET 48 OF 48