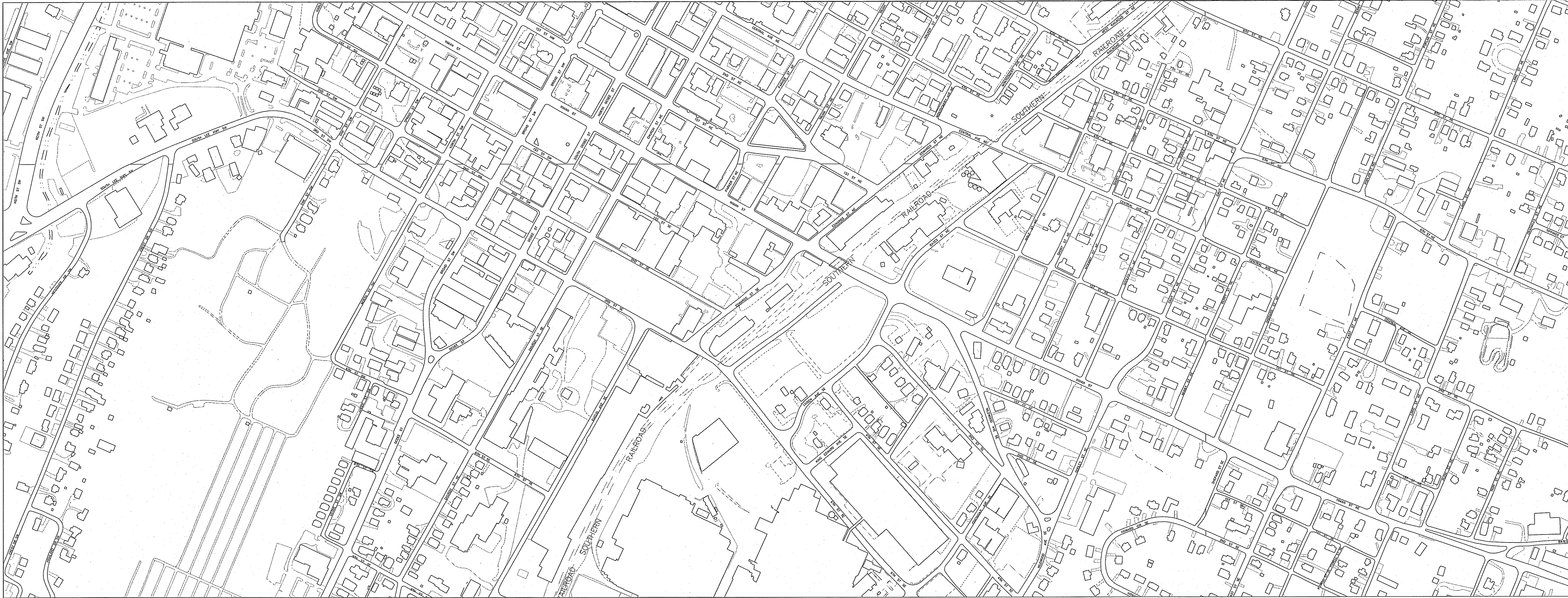
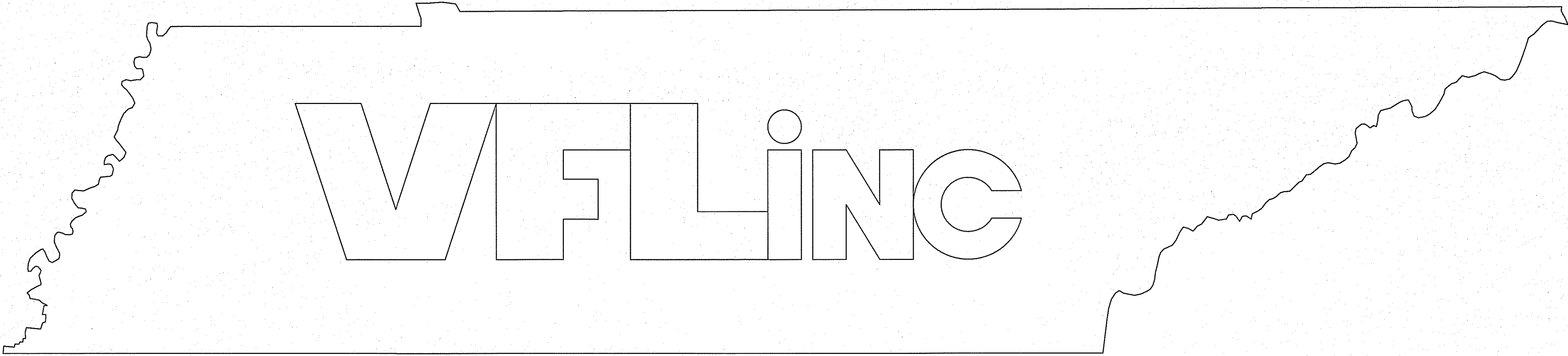




INMAN STREET REVITALIZATION



2014 SENIOR DESIGN PROJECT
CLEVELAND SCI

Designed By: Troy Holcomb		Cleveland SCI		Approved By: _____ Date _____	
Drawn By: Troy Holcomb		PO Box 1519 190 Church St. NE Cleveland, Tennessee		COVER PAGE	
Checked By: Dr. Retherford		VFLING		REVISIONS	
Date	Description	Approved By:			
File No. Clev-01		Drawing No. G-0.01			
Sheet 1 of					

DRAWING INDEX

GENERAL

- 1. (G-1.01) COVER PAGE
- 2. (G-1.02) DRAWING INDEX
- 3. (G-1.03) NOTES

PLAN-PROFILE

- 4. (PP-1.01)
- 5. (PP-1.02)
- 6. (PP-1.03)
- 7. (PP-1.03)
- 8. (PP-1.04)
- 9. (PP-1.05)
- 10. (PP-1.06)
- 11. (PP-2.01)
- 12. (PP-2.02)
- 13. (PP-2.03)
- 14. (PP-2.04)
- 15. (PP-2.05)

CROSS-SECTION

- 16. (CS-1.01)

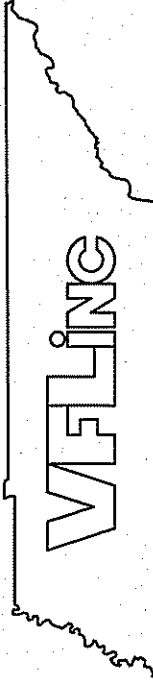
DETAILS

- 17. (D-2.01)
- 18. (D-2.02)
- 19. (D-2.03)

NOTES:

- BOTH PROJECT RELATED DRAWINGS HAVE XX-0.XX.
- INMAN PROJECT RELATED DRAWINGS HAVE XX-1.XX.
- FLY OVER PROJECT RELATED DRAWINGS HAVE XX-2.XX.

REVISIONS		Cleveland SCI		Designed By:
Date	Description	PO Box 1519 190 Church St. NE	Drawn By: Troy Holcomb	
			Checked By: Dr. Retherford	
		DRAWING INDEX	Approved By: _____ Date: _____	



File No.
Clev-01

Drawing No.
G-0.02

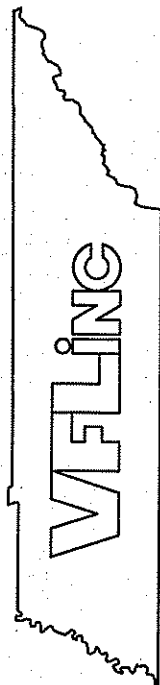
Sheet 2 of

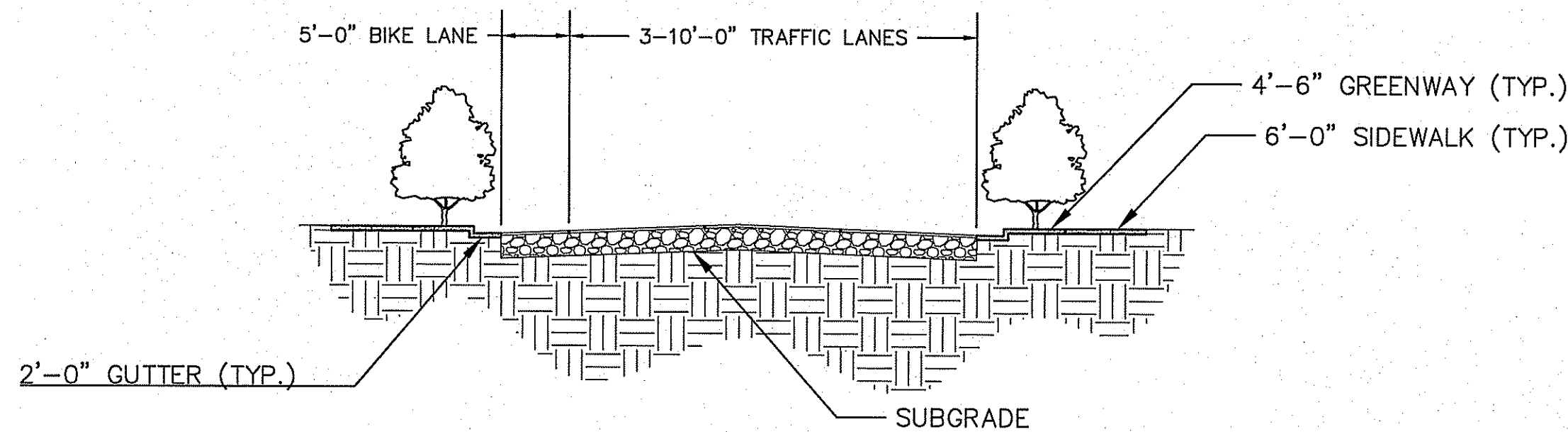
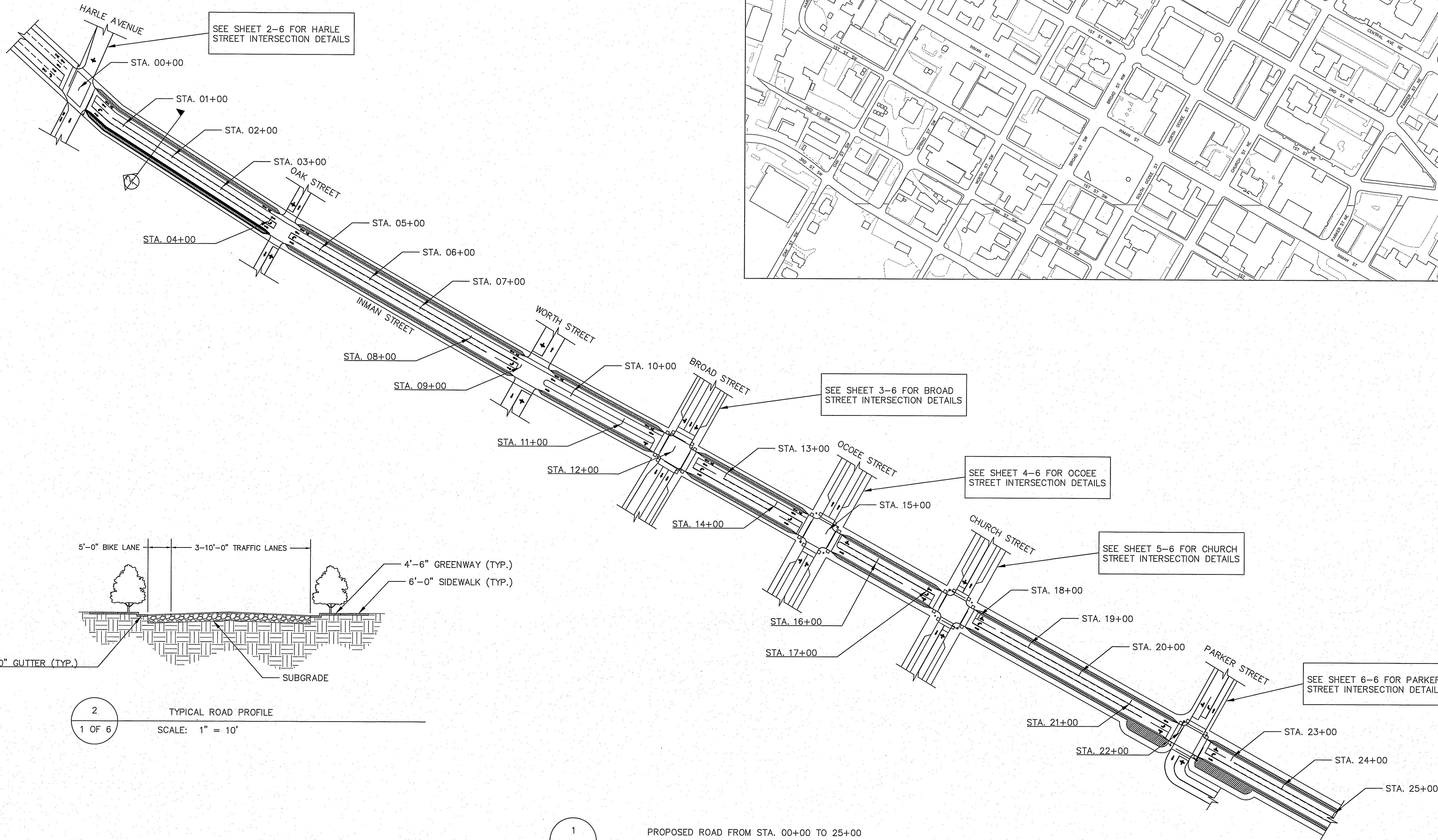
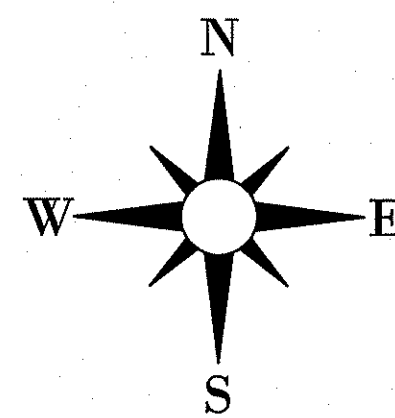
NOTES:

- ANY AREA THAT IS DISTURBED OUTSIDE LIMITS OF CONSTRUCTION DURING THE LIFE OF THIS PROJECT SHALL BE REPAIRED BY THE CONTRACTOR AT HIS EXPENSE.
- THE CONTRACTOR SHALL NOT DISPOSE OF ANY MATERIAL EITHER ON OR OFF STATE-OWNED R.O.W. IN A REGULATORY FLOOD WAY AS DEFINED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY WITHOUT APPROVAL BY SAME. ALL MATERIAL SHALL BE DISPOSED OF IN UPLAND (NOT WET-LAND) AREAS AND ABOVE ORDINARY HIGH WATER OF ANY ADJACENT WATERCOURSE. THIS DOES NOT ELIMINATE THE NEED TO OBTAIN ANY OTHER LICENSES OR PERMITS THAT MAY BE REQUIRED BY ANY OTHER FEDERAL, STATE OR LOCAL AGENCY.
- THE LOCATIONS OF UTILITIES SHOWN WITHIN THESE PLANS ARE APPROXIMATE ONLY. EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD BY CONTACTING THE UTILITY COMPANIES INVOLVED.
- UNLESS OTHERWISE NOTED, ALL UTILITY ADJUSTMENTS WILL BE PERFORMED BY THE UTILITY OR ITS REPRESENTATIVE. THE CONTRACTOR AND UTILITY OWNERS WILL BE REQUIRED TO CO-OPERATE WITH EACH OTHER IN ORDER TO EXPEDITE THE WORK REQUIRED BY THE CONTRACT.
- NOTHING IN THE GENERAL NOTES OR SPECIAL PROVISIONS SHALL RELIEVE THE CONTRACTOR FROM HIS RESPONSIBILITIES TOWARD THE SAFETY AND CONVENIENCE OF THE GENERAL PUBLIC AND THE RESIDENTS ALONG THE PROPOSED CONSTRUCTION AREA.
- EQUIPMENT AND INSTALLATION OF TRAFFIC SIGNALS SHALL COMPLY WITH TDOT STANDARD SPECIFICATIONS, SECTION T30.
- ALL WIRING SHALL BE CONCEALED UNDERGROUND IN 2" SCHEDULE 40 PVC RIGID CONDUIT.
- STANDARDS SHALL BE DESIGNED FOR 80 MPH WIND PRESSURE AND SHALL SUPPORT A 62 POUND LUMINAIRE ON A 15 FOOT ARM.
- THE CITY OF CLEVELAND WILL BE RESPONSIBLE FOR ACQUIRING ALL PERMITS, UTILITY ADJUSTMENTS, AND FUTURE MAINTENANCE OF THE STATE INDUSTRIAL ACCESS ROAD.
- THE CITY OF CLEVELAND WILL BE RESPONSIBLE FOR MOVING AND RECONFIGURING ALL LIGHTING STRUCTURES AND EQUIPMENT, CONSTRUCTION ACTIVITIES.

LEGEND
BP - BEGINNING POINT
PC - POINT of CURVATURE
PI - POINT of INTERSECTION
PT - POINT of TANGENCY
POB - POINT OF BEGINNING
BOF - BOTTOM OF FOUNDATION

REVISIONS	Designed By:	Cleveland SCI	Drawn By:	Troy Holcomb	Approved By:	Date
	Description	PO Box 1519 190 Church St. NE	Cleveland, Tennessee			
	Date					
File No.		Clev-01				
Drawing No.		Notes				
Sheet 3 of TS						



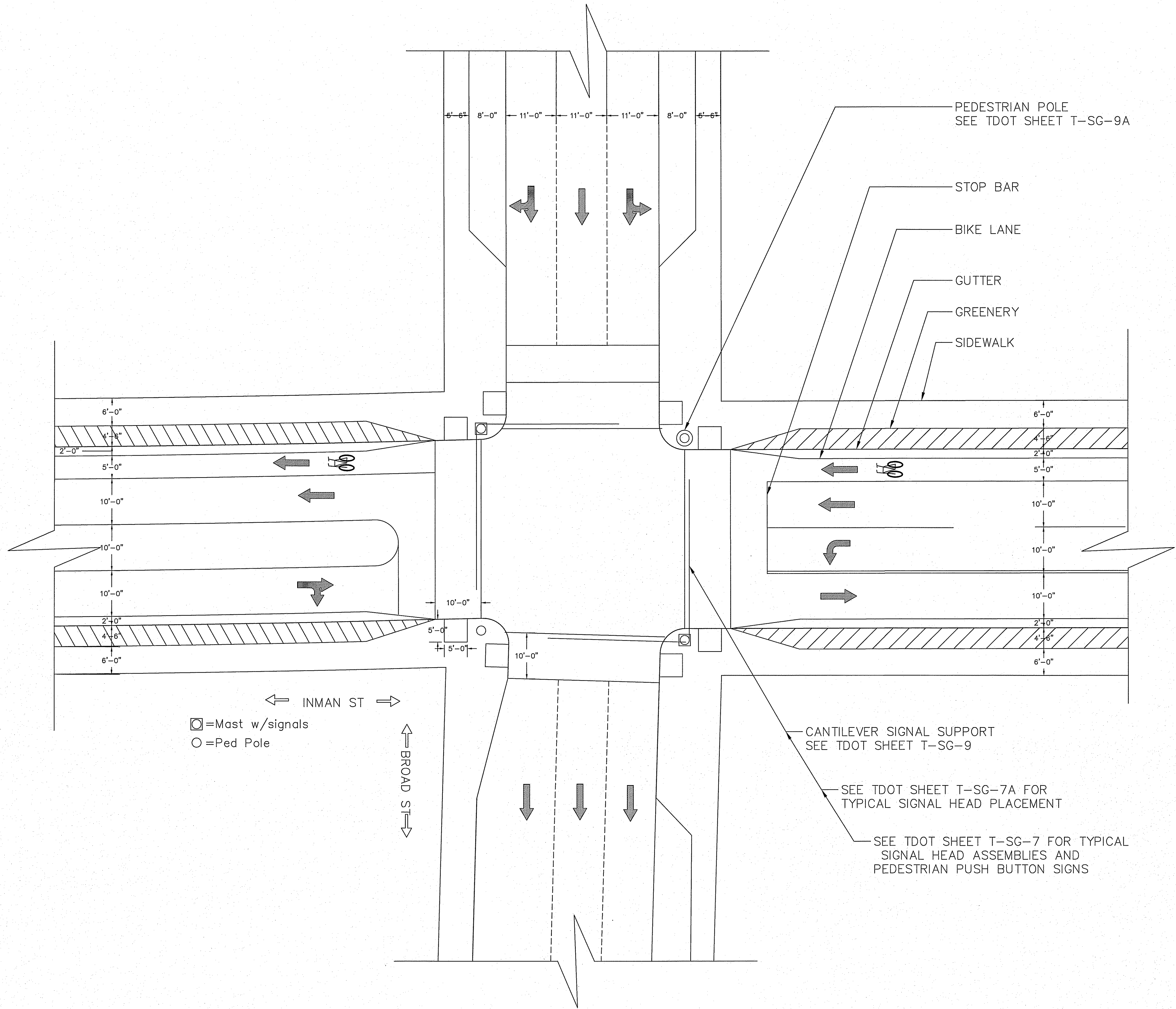
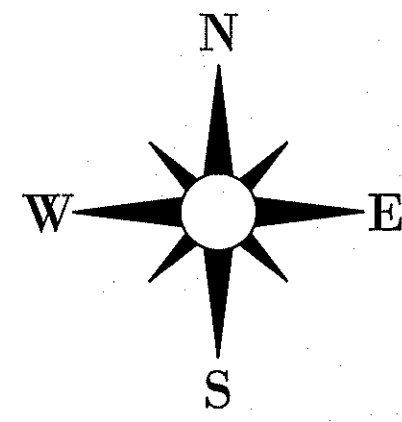


2
1 OF 6
TYPICAL ROAD PROFILE
SCALE: 1" = 10'

1
1 OF 6
PROPOSED ROAD FROM STA. 00+00 TO 25+00
SCALE: 1" = 80'



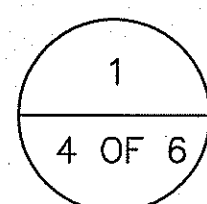
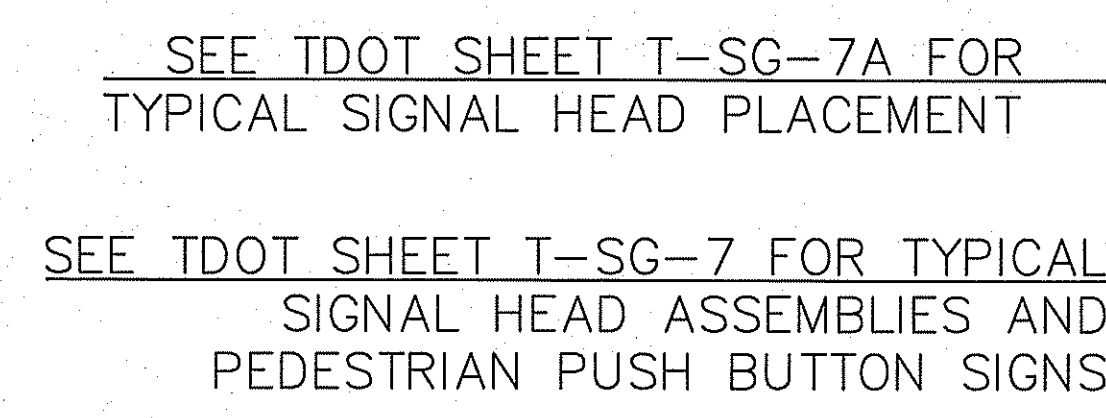
CLEVELAND SCI		Designed By: Jerney Murphy
P.O. BOX 1519 190 CHURCH ST., NE CLEVELAND, TN		Drawn By: Jerney Murphy
PROPOSED ROAD FROM STA. 00+00 TO 25+00		Checked By: Dr. Retherford
		Approved By: _____ Date: _____
REVISIONS	Description	Approved By:
	Date	
	File No.	
	Drawing No.	
Sheet 1 of TS		

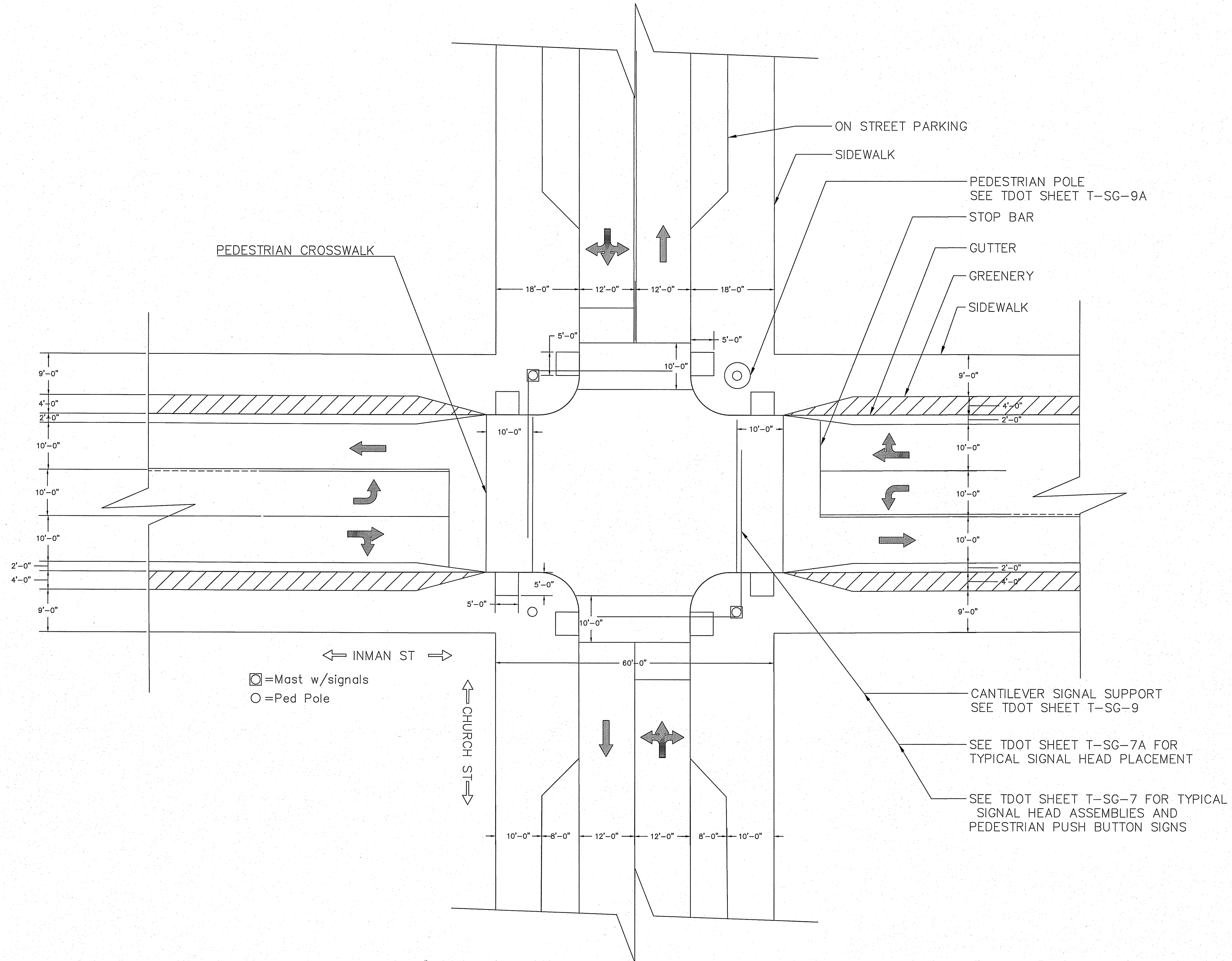
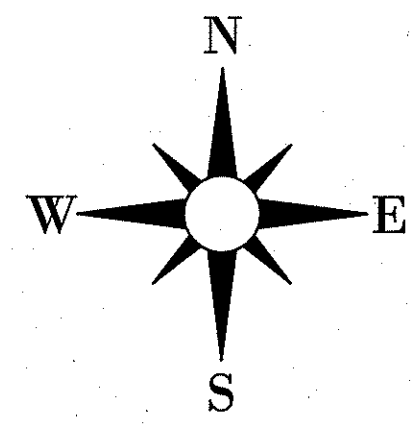


1
3 OF 6

BROAD - INMAN INTERSECTION DETAILS
SCALE: 1" = 10'

DESIGNED BY: Jeremy Murphy		DRAWN BY: Jeremy Murphy		CHECKED BY: CHECKED BY:		APPROVED BY: _____ Date _____	
LANDOWNER		PRACTICE DESCRIPTION		CLEVELAND, TN		Broad-Inman Intersection Details	
P.O. Box 1519 190 Church St., NE							
VFLING		REVISIONS		APPROVED BY:			
		Description		Date			
File No.		CLEV-01		Drawing No.		PP-1.03	
Sheet 3		of TS					

[illegible]

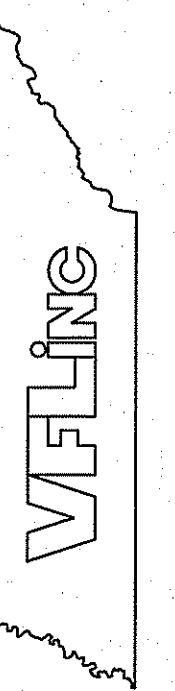


1
5 OF 6

CHURCH - INMAN INTERSECTION DETAILS
SCALE: 1" = 10'

Designed By: _____
Drawn By: Jeremy Murphy
Checked By: Dr. Retherford
Approved By: _____ Date: _____

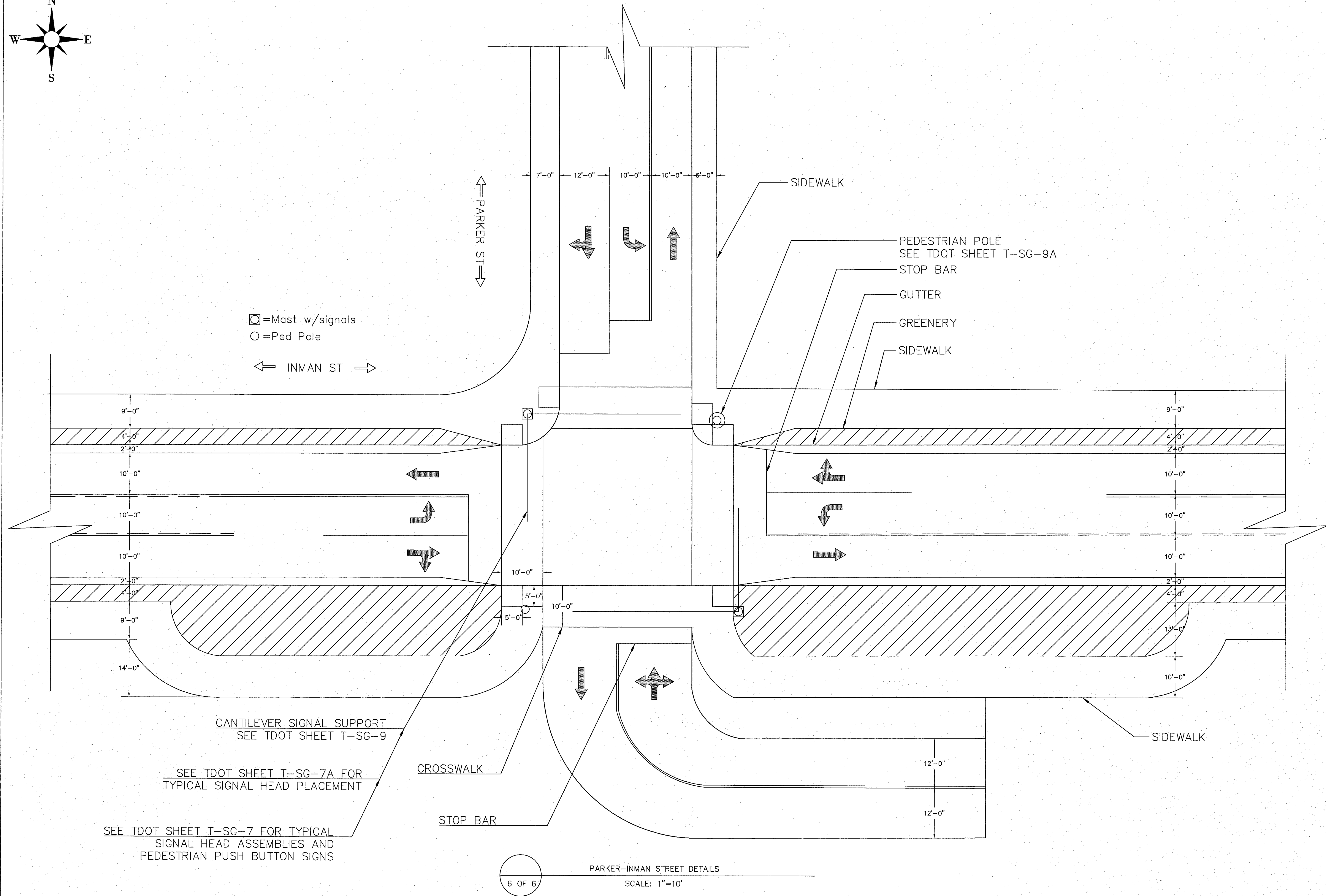
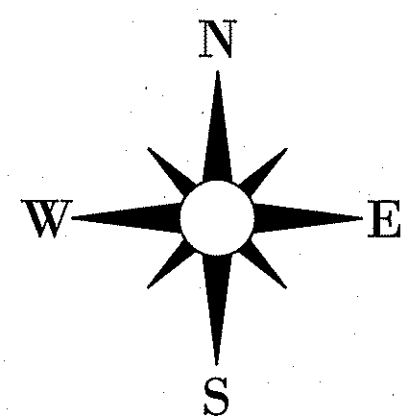
LANDOWNER
Practice Description
P.O. Box 1519 190 Church St., NE
Cleveland, Tennessee
Church - Inman Intersection Traffic Details



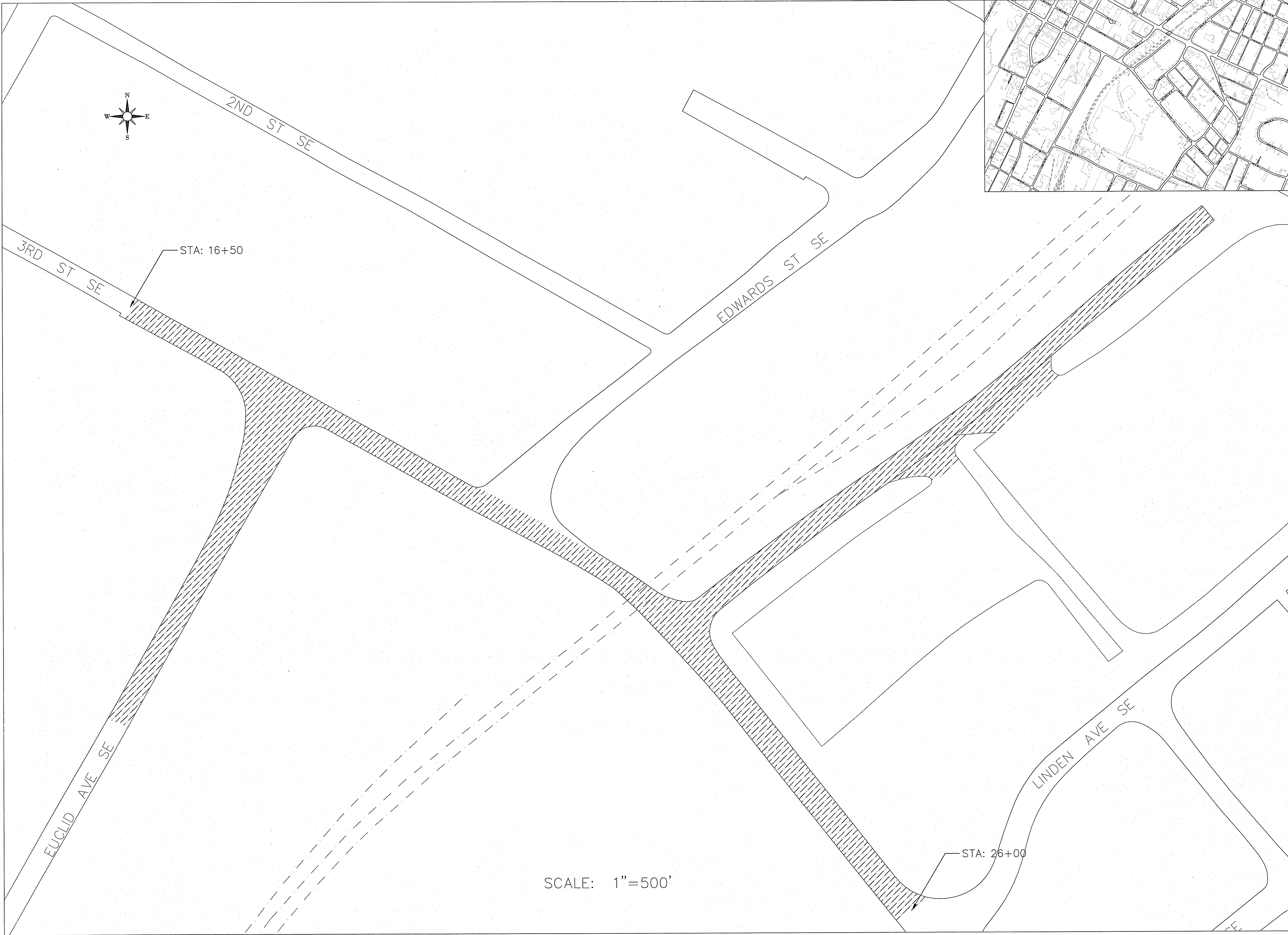
REVISIONS	
Date	Description

File No.
CLEV-01
Drawing No.
PP-1.05

Sheet 5 of TS

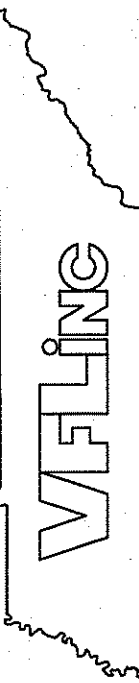


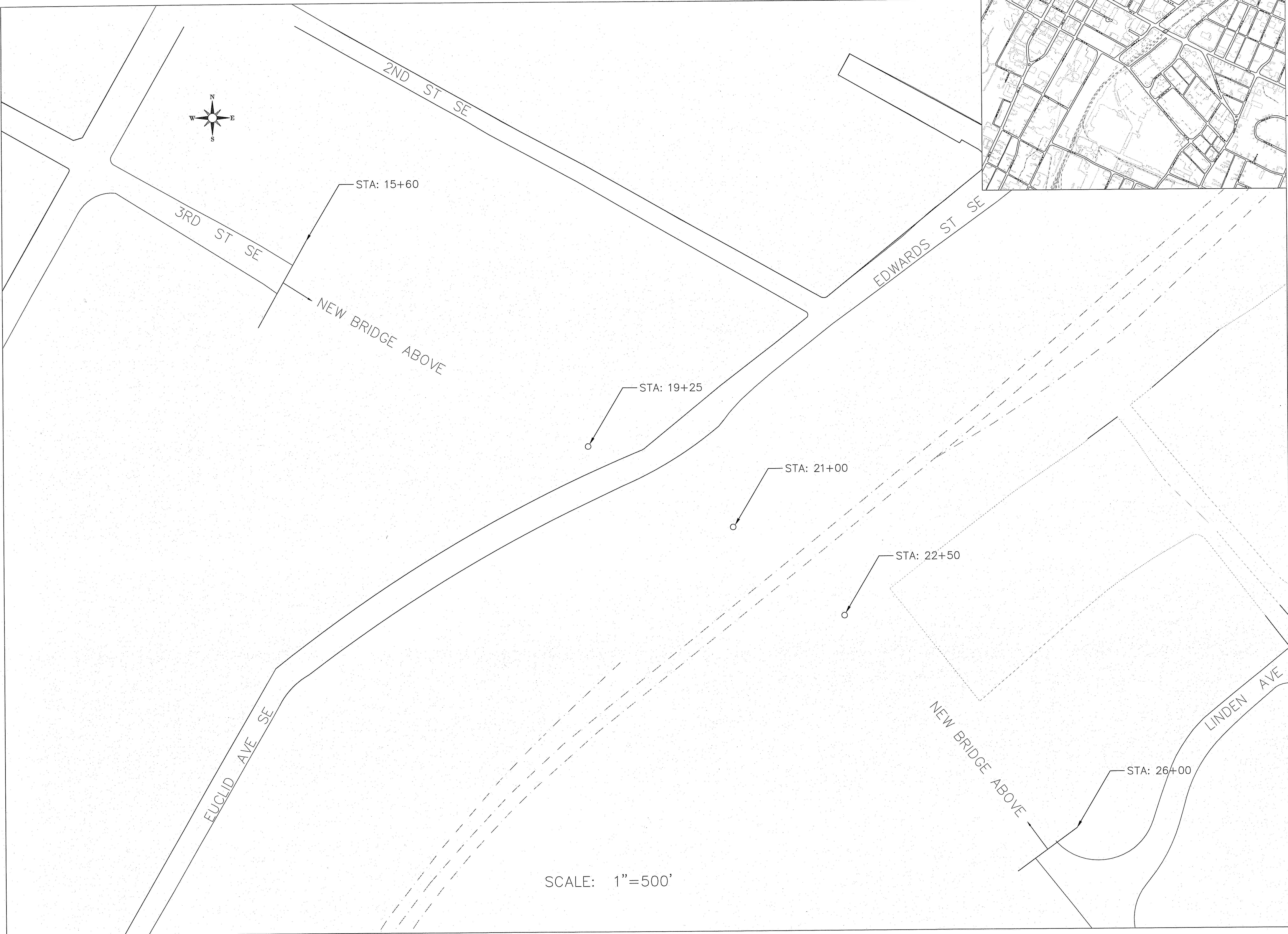
Designed By: Jeremy Murphy		Cleveland SCI		P.O. BOX 1519 190 CHURCH ST., NE CLEVELAND, TN	
Drawn By: Dr. Retherford		PARKER-INMAN INTERSECTION DETAIL		Approved By: _____ Date: _____	
Checked By: _____		WFLING		Approved By: _____	
REVISIONS		File No. Clev- 01		Drawing No. PP-1.06	
Description		Date		Sheet 6 of TS	



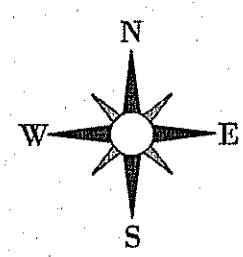
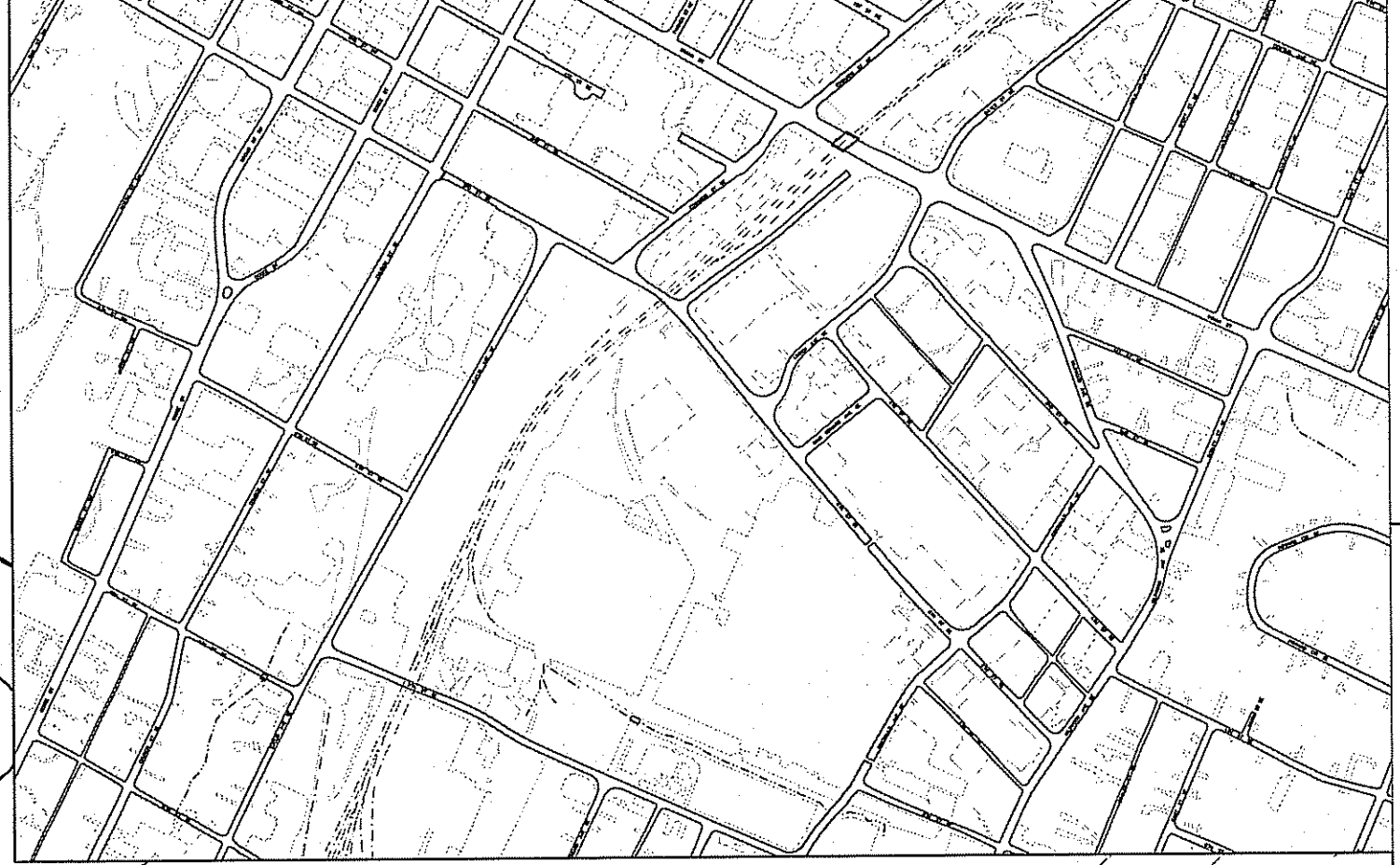
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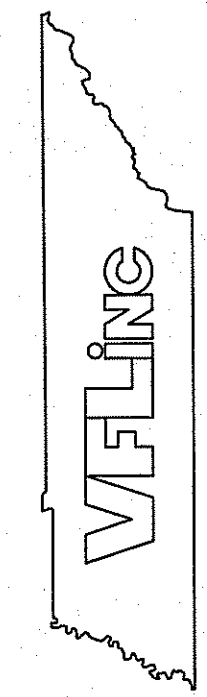


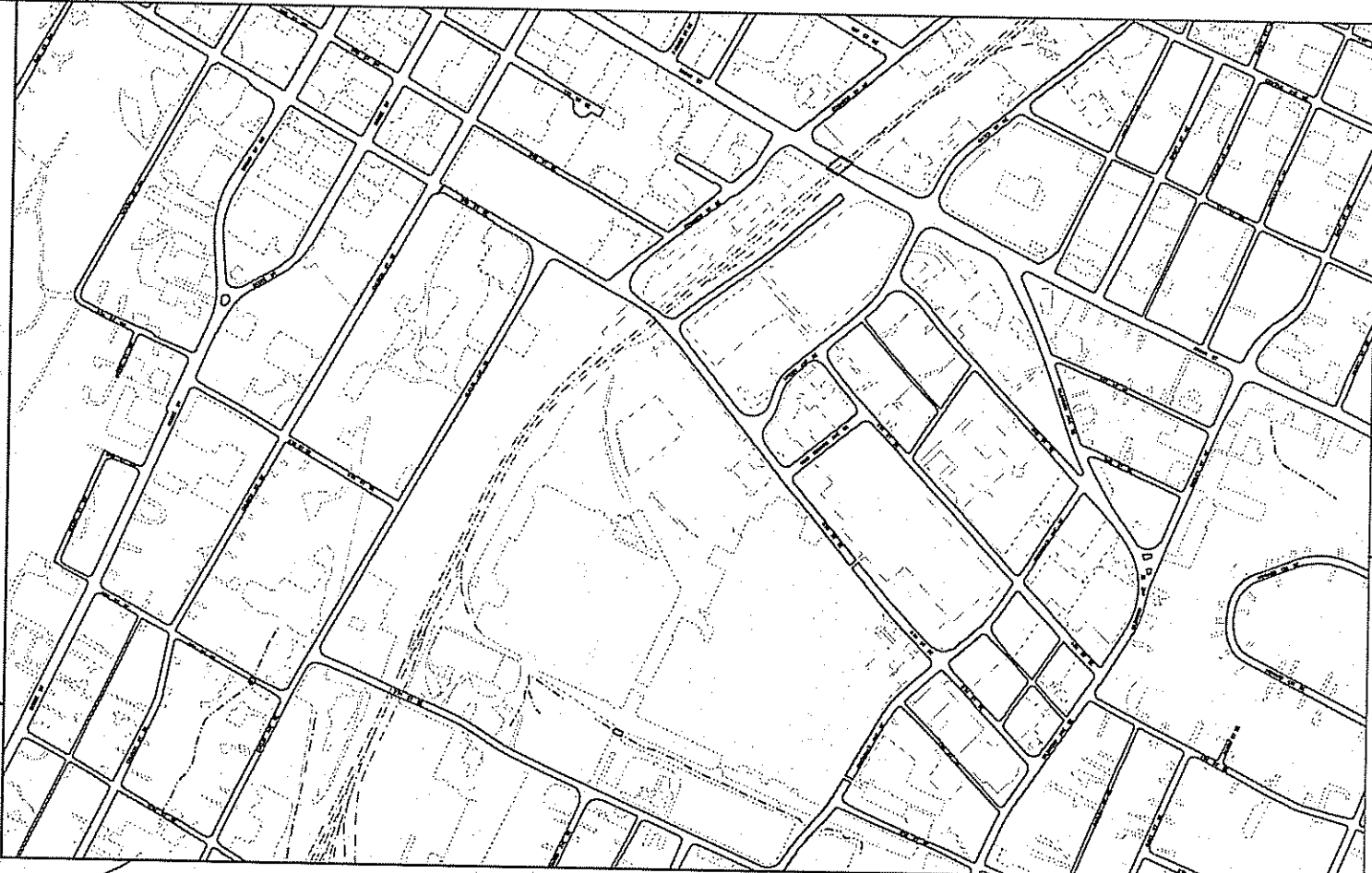
Cleveland SCI		Designed By: Kaitly Wilburn
P.O. Box 1519 190 Church St. NE		Drawn By: Kaitly Wilburn
Cleveland, TN 37311		Checked By: Dr. Retherford
EXISTING ROAD AND DEMO PLAN VIEW		Approved By: _____ Date: _____
		
REVISIONS	Description	Approved By:
Date		
File No.	Clev-01	
Drawing No.	PP-2.01	
Sheet 1 of TS		



SCALE: 1"=500'

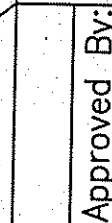


		Cleveland SCI		Designed By: Kaity Wilburn	
		P.O. Box 1519 190 Church St. NE Cleveland, TN 37311		Drawn By: Kaity Wilburn	
REVISIONS		DRILLED SHAFTS & NEW ROAD LAYOUT		Checked By: Dr. Retherford	
Date	Description	Approved By:		Approved By: _____ Date _____	
File No. Clev-01		Sheet 1 of TS			
Drawing No. PP-2.02					



Date _____

Sheet 1 of TS



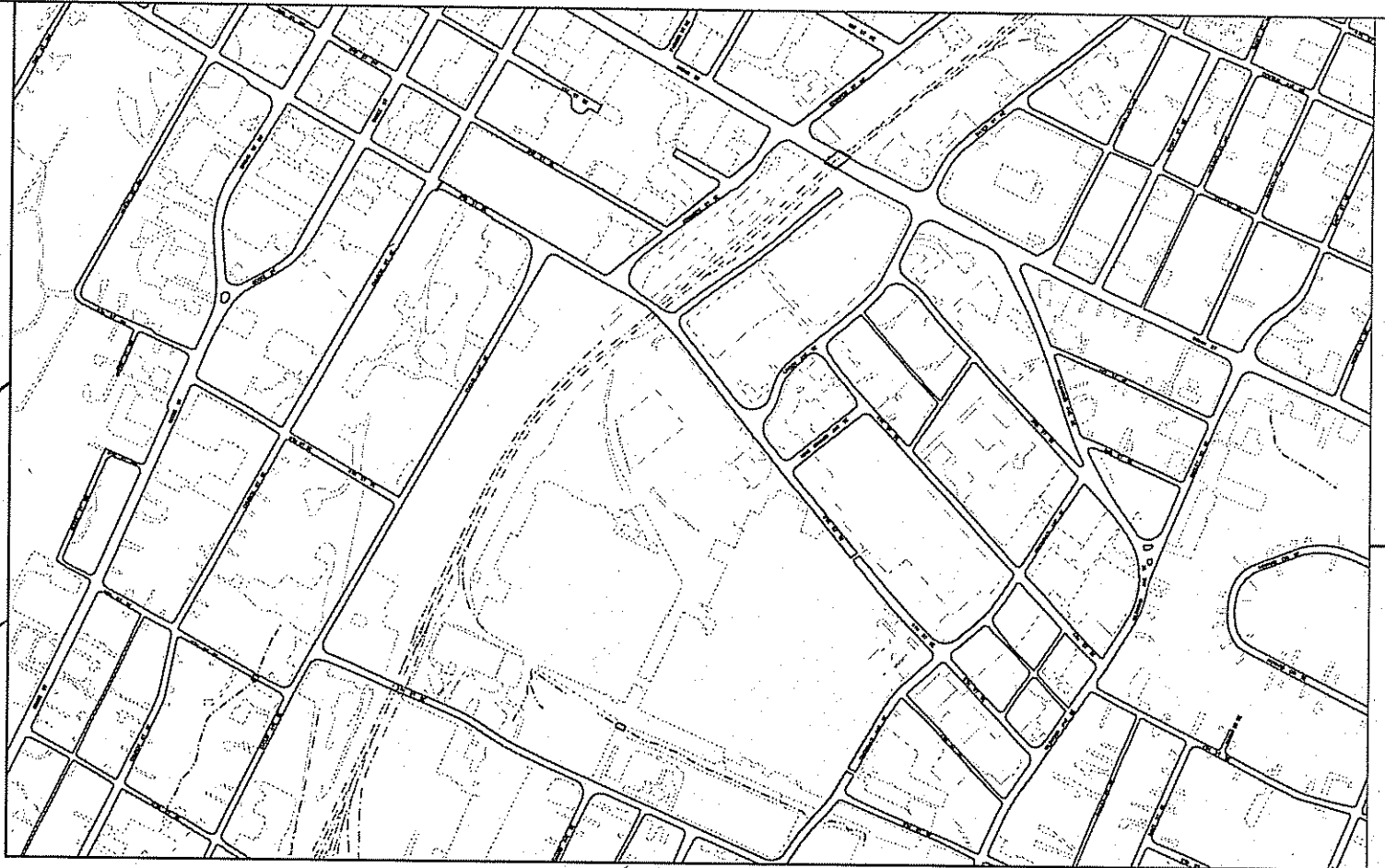
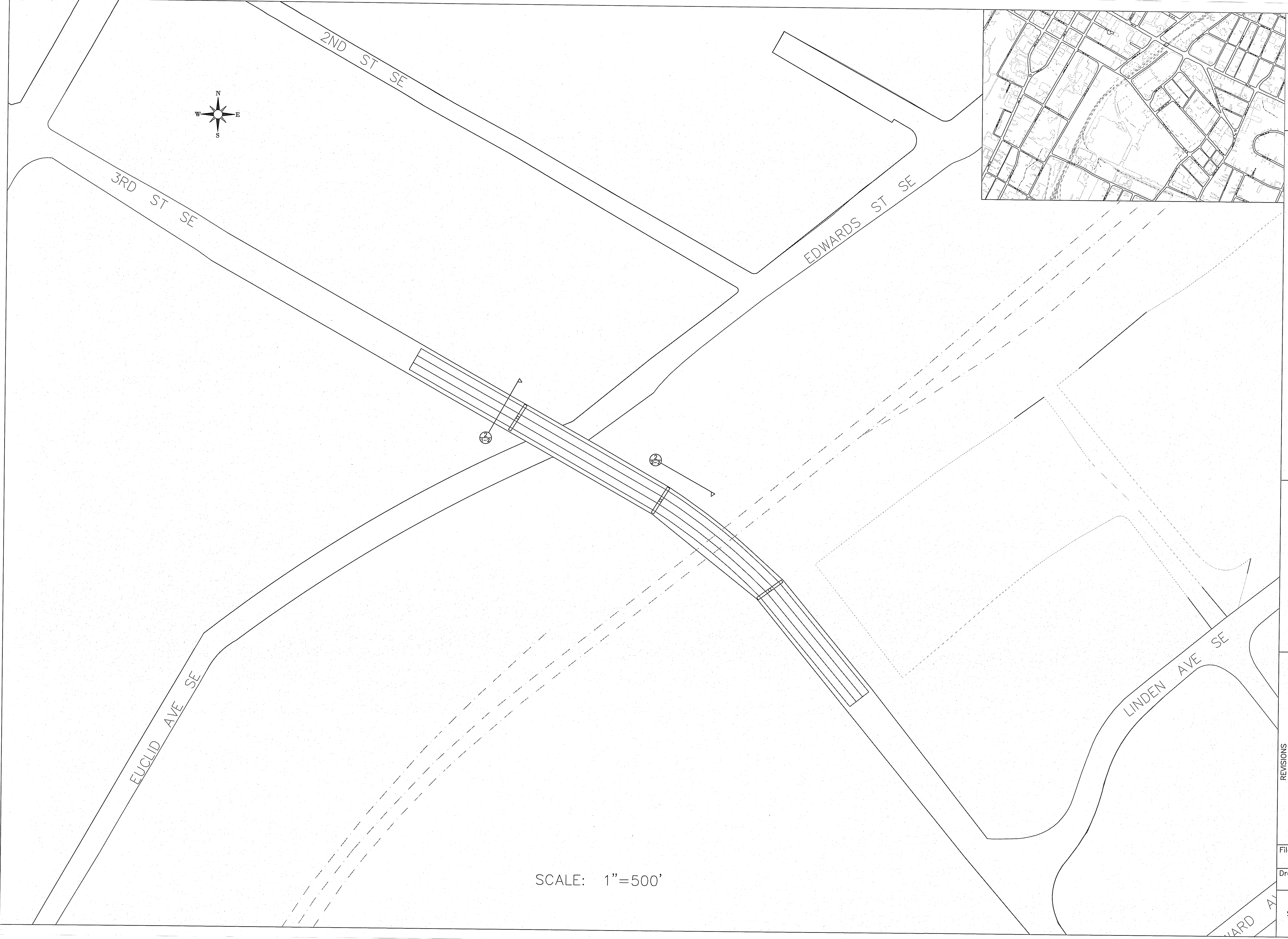
STA: 26+00

LINDEN AVE SE

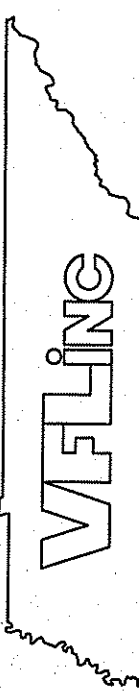
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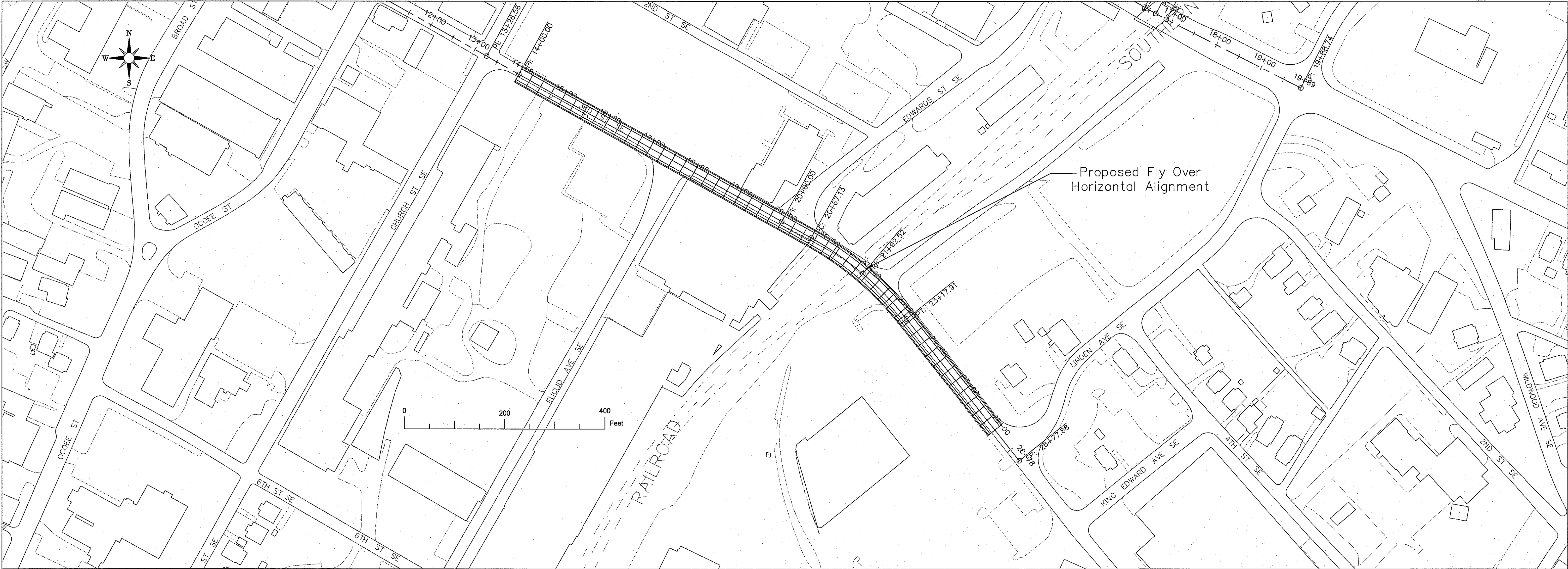
Cleveland SCI

P.O. Box 1519 190 Church St. NE
Cleveland, TN 37311

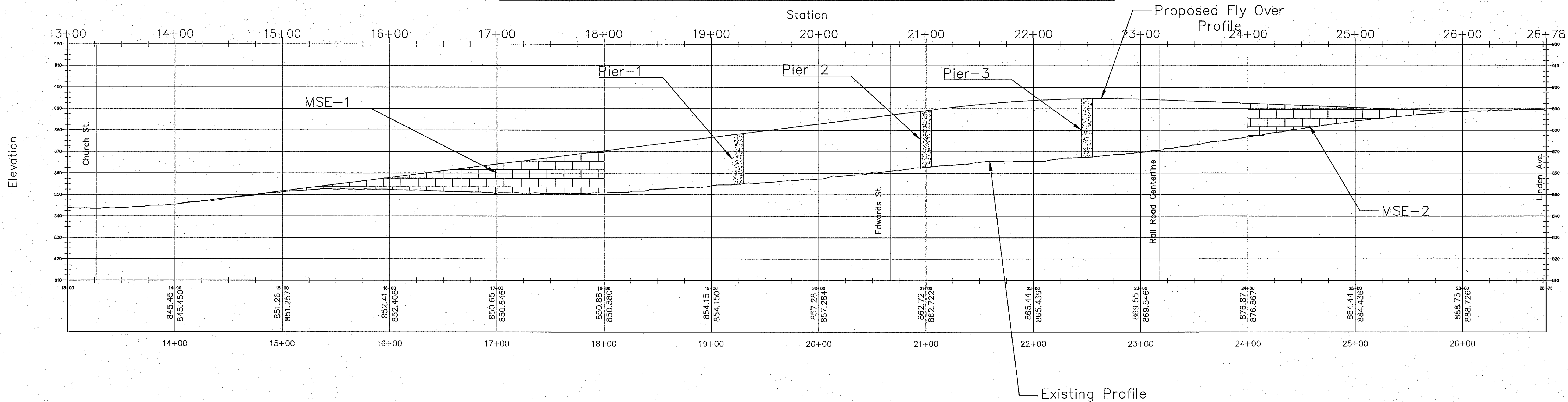


SCALE: 1"=500'

REVISIONS	Date	Approved By:		Cleveland SCI	P.O. Box 1519 190 Church St. NE Cleveland, TN 37311	Designed By: Kaitly Wilburn Drawn By: Kaitly Wilburn Checked By: Dr. Retherford	Approved By: _____ Date: _____
	Description						
File No. Clev-01				PEIRS, GIRDERS, AND TOPCAPS			
Drawing No. PP-2.04							
Sheet 1 of TS							



3rd St. SW (Oak St. SW – Linden Ave. SW Profile) PROFILE



Designed By: RR & B Team
Drawn By: Troy Holcomb
Checked By: Dr. Rutherford

Cleveland SCI
P.O. Box 1519 190 Church St. NE
Cleveland, Tennessee

Approved By: _____ Date: _____

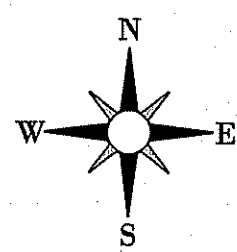
REVISIONS
Description
Date

Approved By:

File No.
Clev-01

Drawing No.
PP-2.05

Sheet 1 of TS



15+00
PL 14+83.10

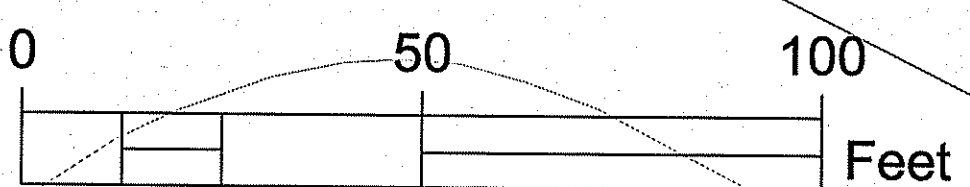
16+00

17+00

18+00

19+00

19+59
13+88.74



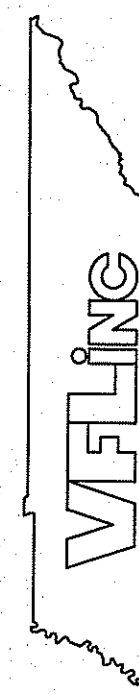
SCALE: 1" = 24'

BATES

Designed By: _____
Drawn By: Kaitlyn Wilburn
Checked By: Dr. Retherford

Cleveland SCI
P.O. Box 1519 190 Church St. NE
Cleveland, TN 37311
Approved By: _____ Date: _____

UNDERPASS CROSS-SECTION EXISTING & PROPOSED

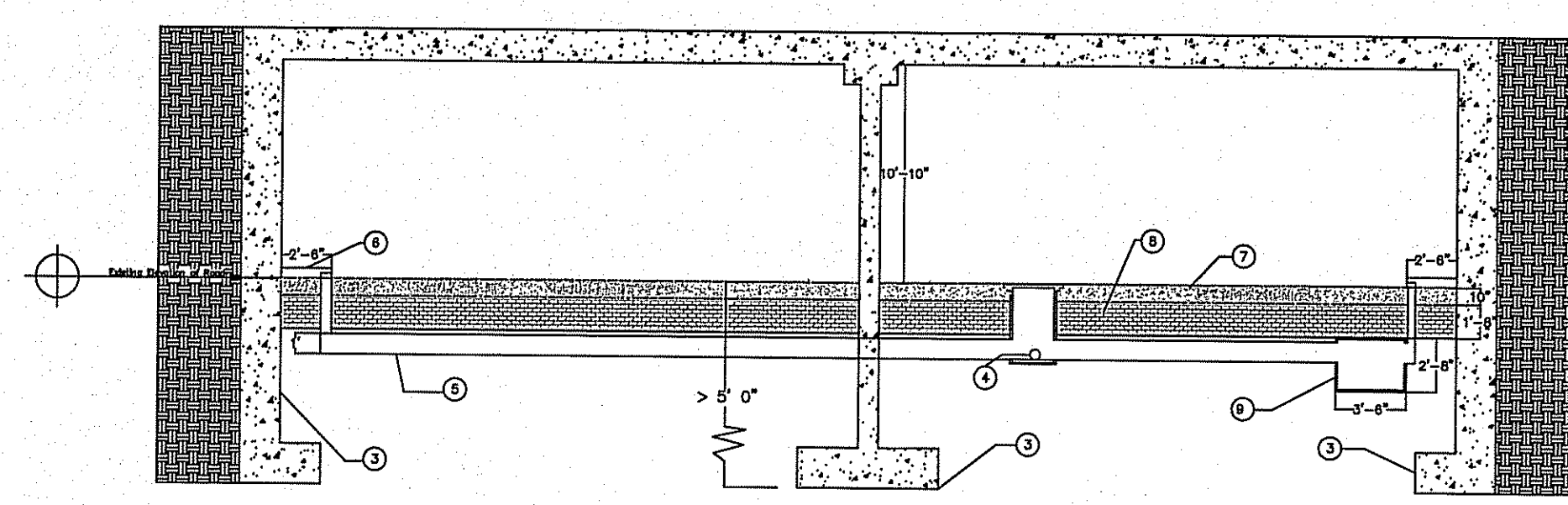


REVISIONS		Approved By:
Date	Description	

File No.
Clev-01

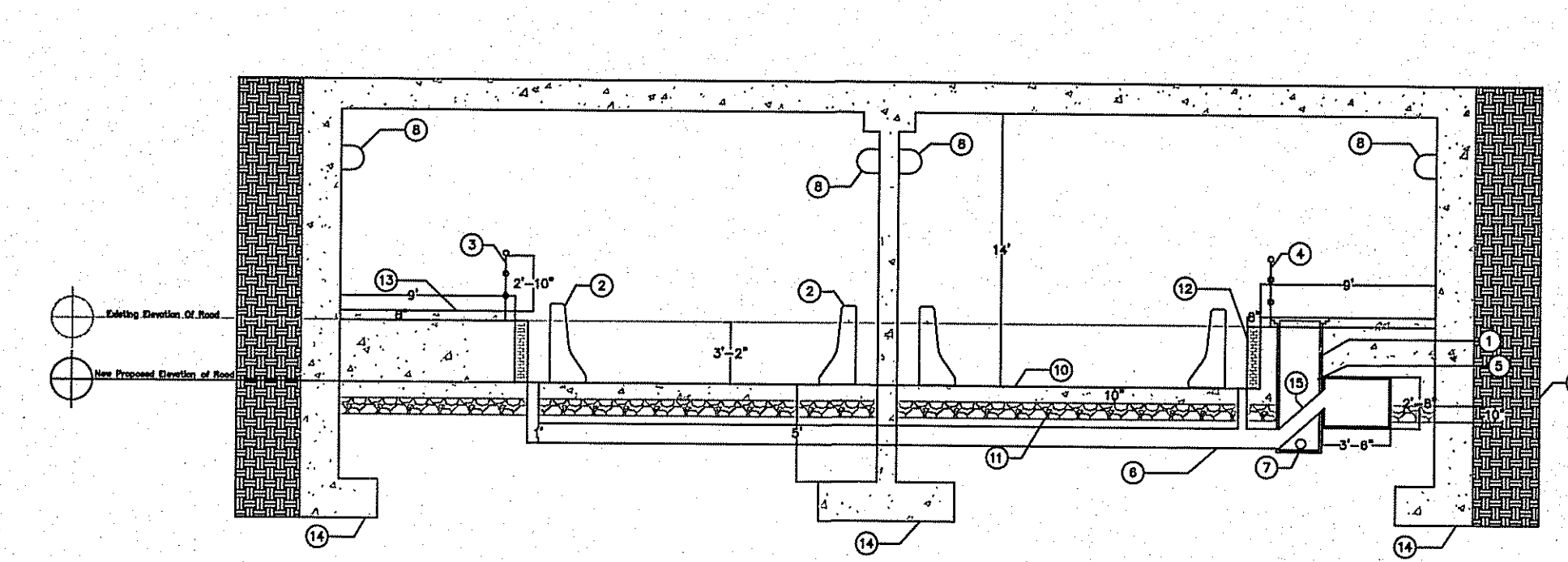
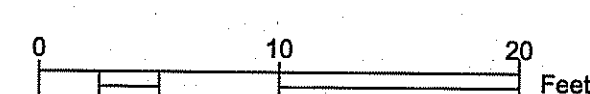
Drawing No.
CS-1.01

Sheet 1 of TS



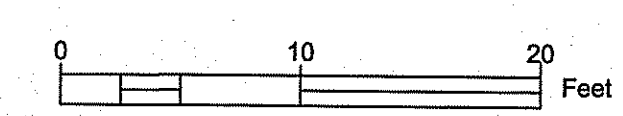
- NOTES:
- 1 CONTRACTOR TO VERIFY ALL DIMENSIONS
 - 2 DRAWINGS DO NOT REFLECT ALL POSSIBLE BELOW GROUND ITEMS
 - 3 CONCRETE FOOTINGS
 - 4 STORM SEWER
 - 5 SANITARY SEWER LINE
 - 6 EXISTING SIDEWALK
 - 7 ASPHALT LAYER
 - 8 SLAY BRICK LAYER
 - 9 BOX CULVERT
 - 10 EARTH

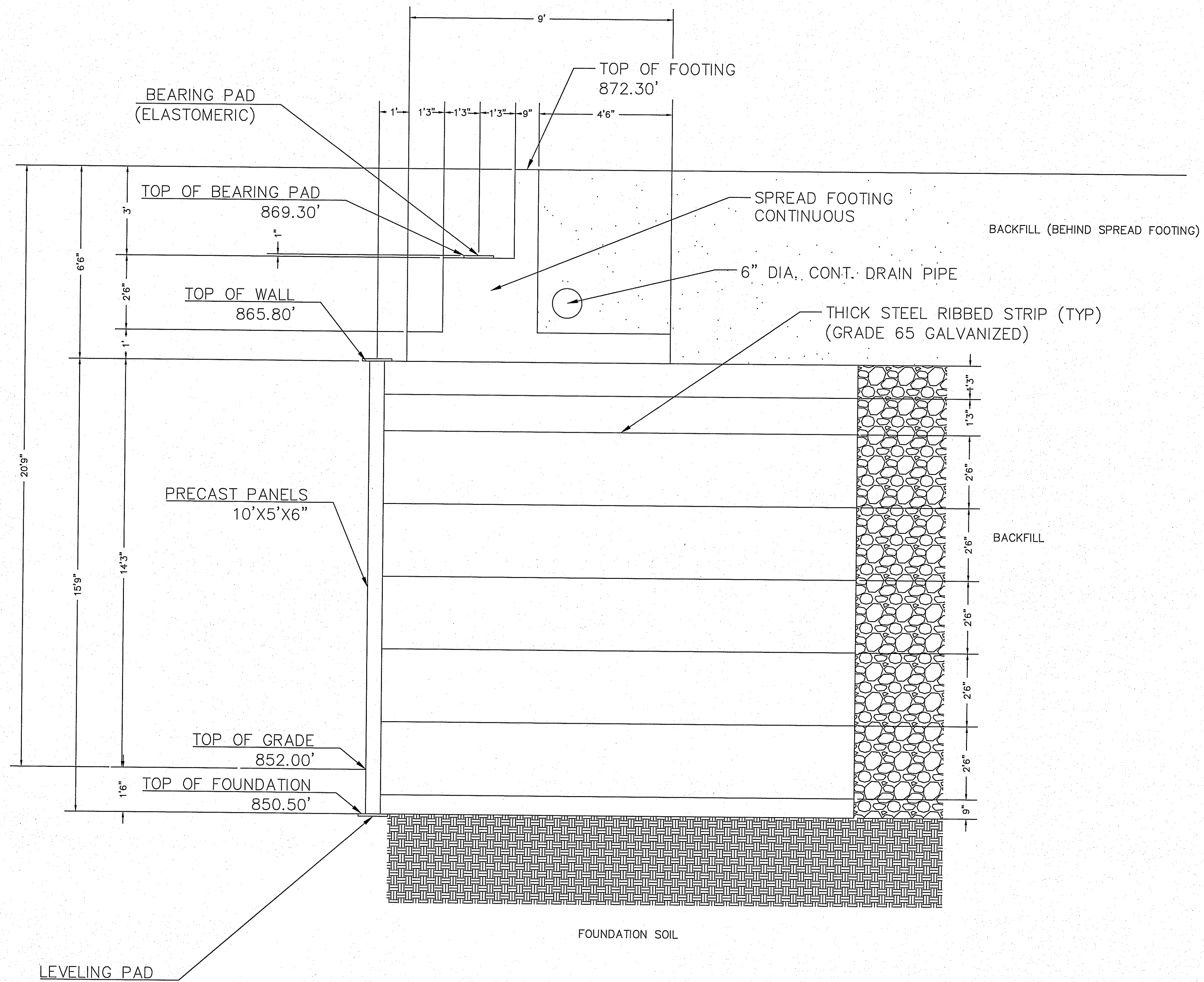
C-S
10F2 Existing Underpass Cross-Section
SCALE: 1/8" = 1'0"



- NOTES:
- 1 TYPICAL MANHOLE, OWNER TO SPECIFY TYPE
 - 2 CRASH BARRIER
 - 3 RAILINGS ARE TO BE ADA COMPLIANT
 - 4 RAILING
 - 5 SANITARY SEWER LINE WILL BE RELOCATED TO EXISTING SIDEWALK
 - 6 STORM SEWER LINE
 - 7 SANITARY SEWER LINE
 - 8 LIGHTING TO BE INSTALLED, OWNER TO SPECIFY
 - 9 EXISTING ELEVATION
 - 10 ASPHALT
 - 11 SUB-GRADE MATERIAL
 - 12 CMU RETAINING WALL
 - 13 SIDEWALK
 - 14 CONCRETE FOOTINGS
 - 15 LOCATION OF PUMP
 - 16 EARTH

C-S
20F2 Proposed Underpass Cross-Section
SCALE: 1/8" = 1'0"



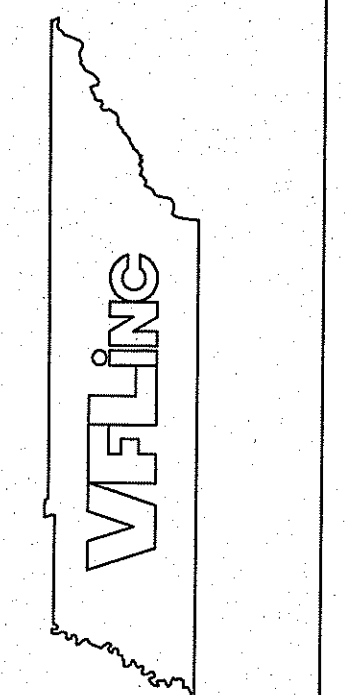


ABT
1 OF 2

WESTERN ABUTMENT DETAIL
SCALE: 1/2" = 1'

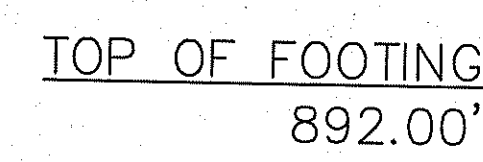
Designed By: Wade Lowhorn
Drawn By: WL & JM
Checked By: Dr. Retherford

Cleveland SCI
PO Box 1519 190 Church St.
Cleveland, Tennessee
Approved By: _____ Date: _____



REVISIONS	Description	Approved By:
Date		

File No.
Clev-01
Drawing No.
D-2.01



892.00'

— BEARING PAD
(ELASTOMERIC)

— TOP OF BEARING PAD
889.00'

— TOP OF WALL
885.50'

—PRECAST PANELS
10'X5'X6"

— TOP OF GRADE
877.00'

— TOP OF FOUNDATION
876.00'

—LEVELING PAD

SPREAD FOOTING
CONTINUOUS

6" DIA. CONT. DRAIN PIPE

THICK STEEL RIBBED STRIP (TYP)
(GRADE 65 GALVANIZED)

BACKFILL

FOUNDATION SOIL

ABT
2 OF 2

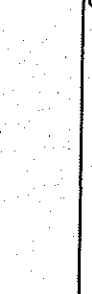
ABT
2 OF

EASTERN ABUTMENT DETAIL

SCALE: 1/2" = 1'

Designed By: Wade Lawhorn
Drawn By: WL & JM
Checked By: Dr. Retherford
Date _____

Cleveland SCI	Approved By: _____
PO Box 1519 190 Church St. Cleveland, Tennessee	EASTERN ABUTMENT DETAIL

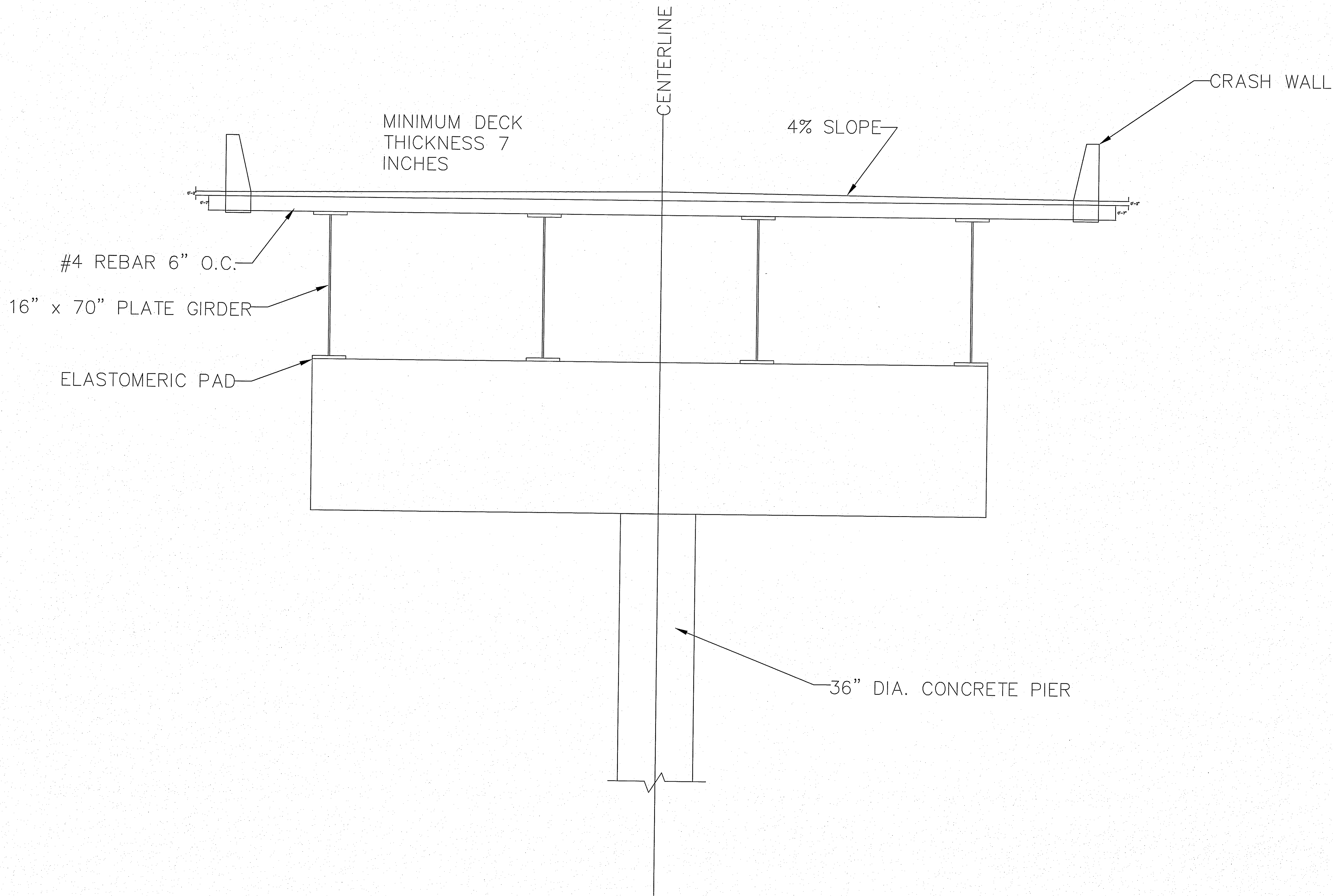


REVISIONS		
Date	Description	Approved By:

File No. Clev-01
Drawing No. D-2.02

Sheet 2 of TS

EASTERN ABUTMENT DETAIL

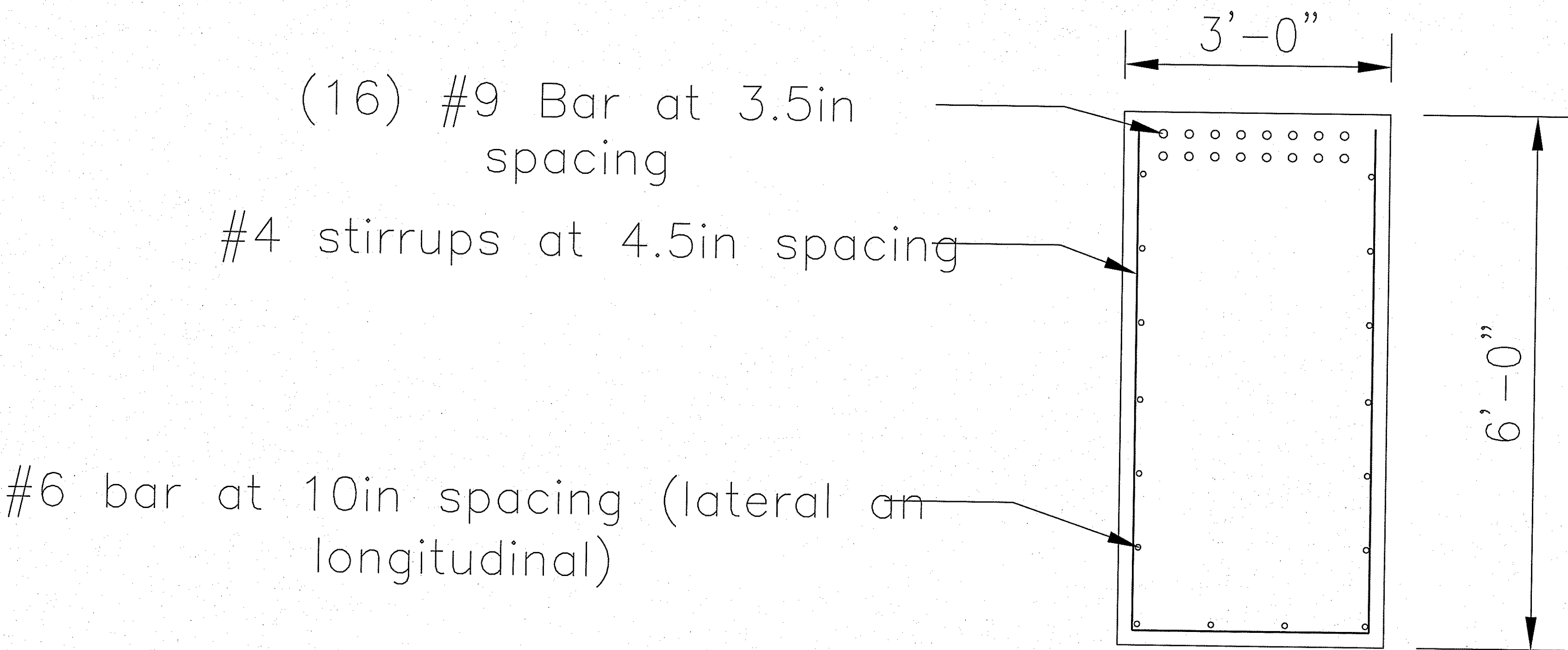


2
10F2

BRIDGE DECK CROSS SECTION
SCALE: 1/2"=1'

Cleveland SCI		Designed By: Kaitly Wilburn									
P.O. Box 1519 190 Church St. NE		Drawn By: Kaitly Wilburn									
Cleveland, TN 37311		Checked By: Dr. Rutherford									
Bridge Deck Detail		Approved By: _____ Date _____									
VFLING											
<table><tr><td colspan="2">REVISIONS</td><td>Approved By:</td></tr><tr><td>Date</td><td>Description</td><td></td></tr><tr><td></td><td></td><td></td></tr></table>			REVISIONS		Approved By:	Date	Description				
REVISIONS		Approved By:									
Date	Description										
File No. Clev-01											
Drawing No. D-2.03											
Sheet 1 of TS											

PIER TOP CAP

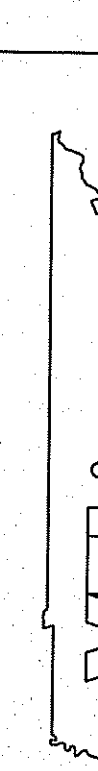


Note: Stirrups and skin re-inforcement to run entire length of pier cap.

2
20F2

BRIDGE DECK CROSS SECTION

SCALE: 1"=1'

REVISIONS				Cleveland SCI P.O. Box 1519 190 Church St. NE Cleveland, TN 37311		Designed By: Kaitly Wilburn	
Date	Description					Approved By:	Drawn By: Kaitly Wilburn
File No. Clev-01				PIER TOP CAP DETAIL		Checked By: Dr. Retherford	
Drawing No. D-2.04						Approved By: _____ Date: _____	
Sheet 1 of TS							