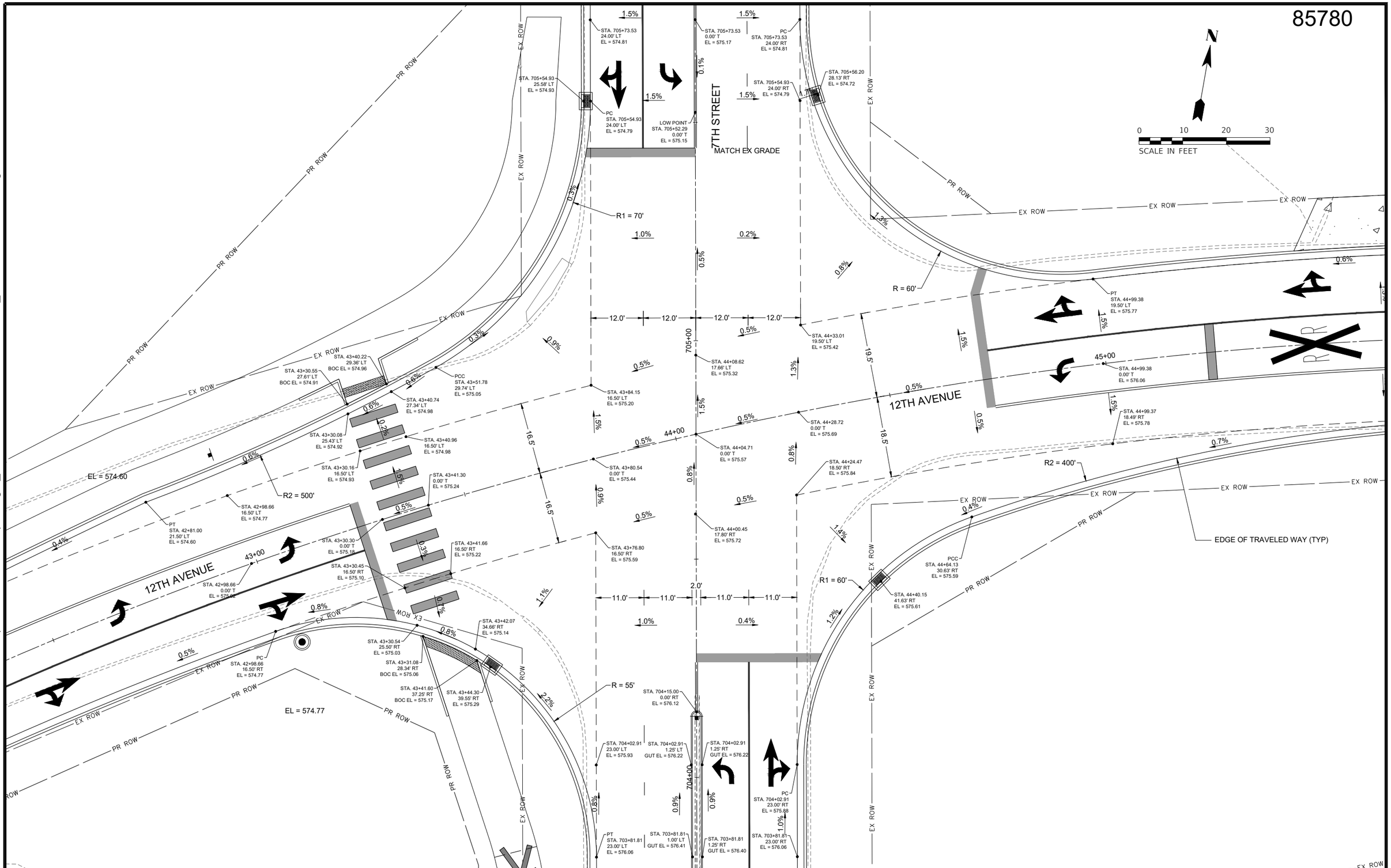
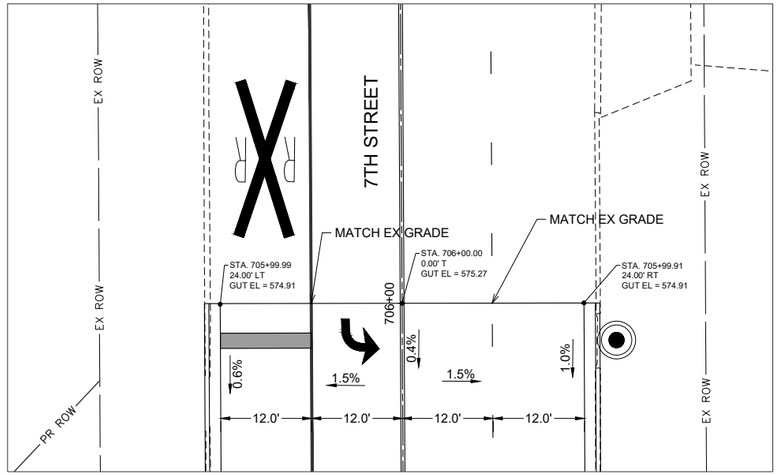
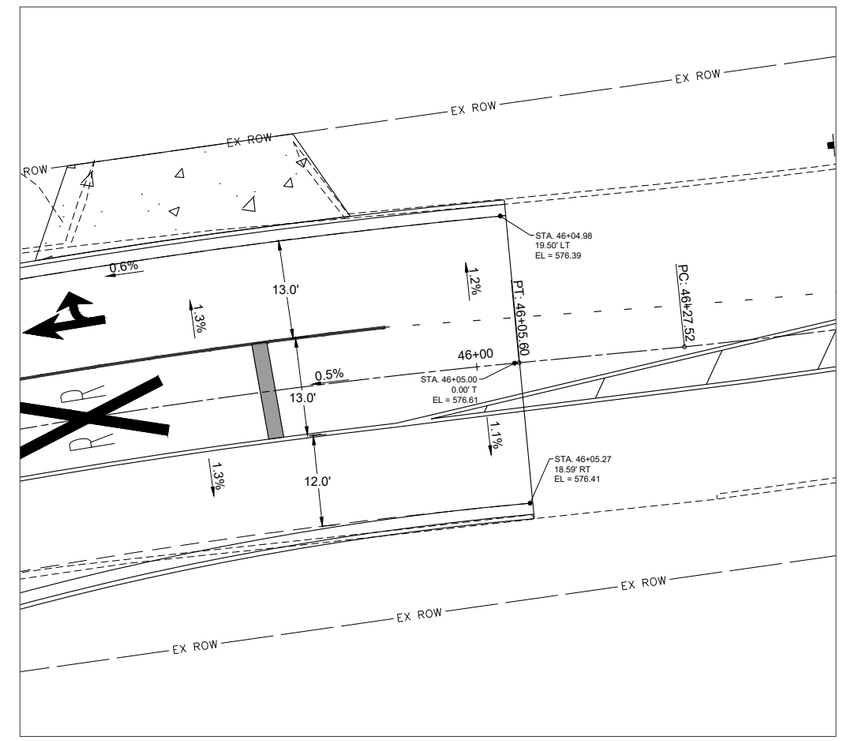


Z:\5201 - Downtown Reconstruction - PH I-II (CMT - East Moline)\Design_CADD\CADD Sheets\5201 - sht_Intersection Detail.dwg

Hutchison Engineering, Inc.	DESIGNED BMP DATE- 10-27-25 DRAWN BMP CHECKED DJD PROJECT #: 5201	12TH AVENUE RECONSTRUCTION	CITY OF EAST MOLINE	INTERSECTION DETAIL (12TH AVE. & 7TH ST.)

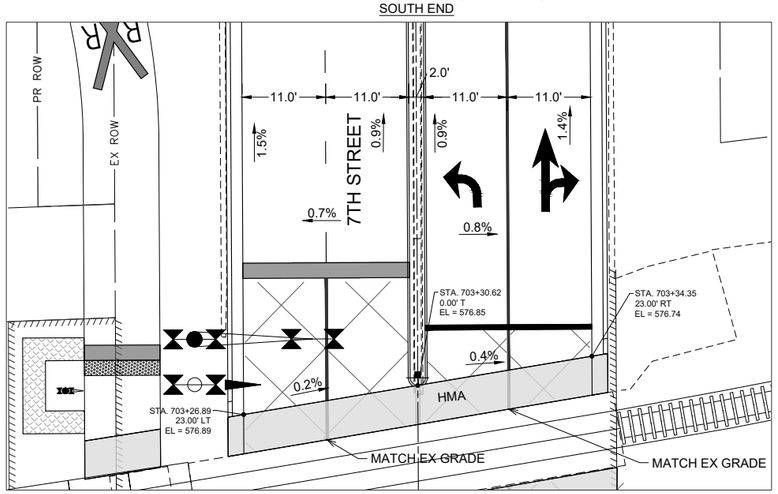


MATCH STATION 705+78.00 (7TH STREET)
NORTH END



MATCH STATION 45+50.00 (12TH AVENUE)
EAST END

MATCH STATION 703+78.00 (7TH STREET)
SOUTH END

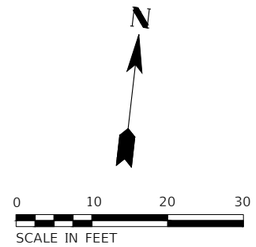


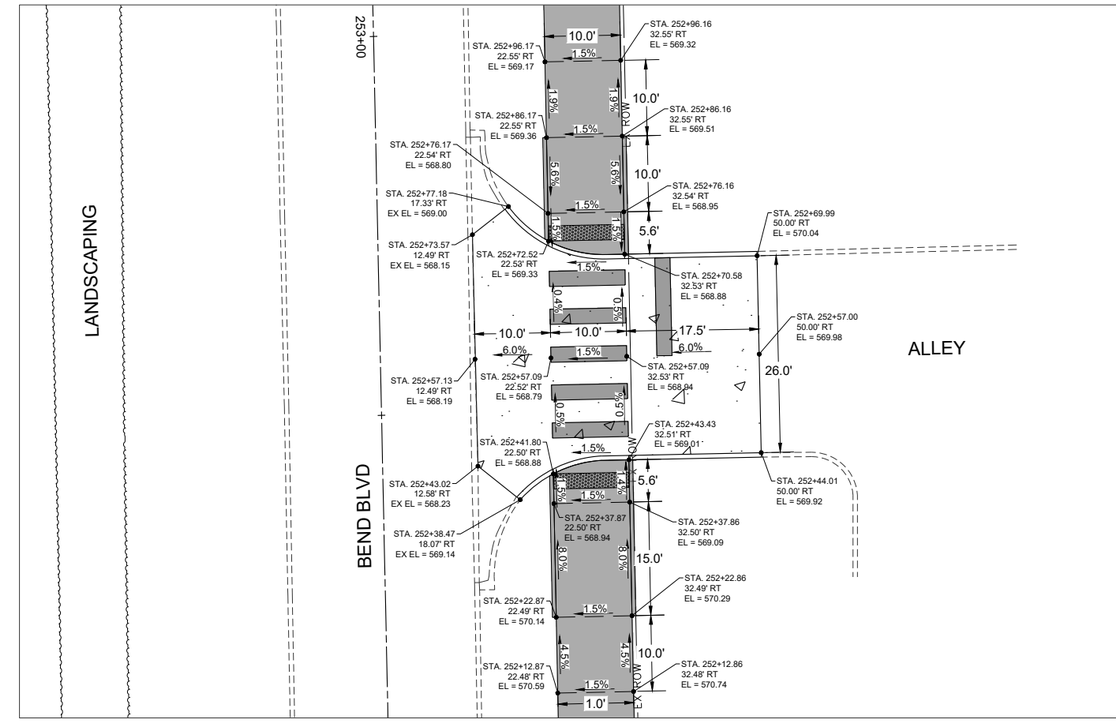
7TH STREET TIE-IN END DETAIL

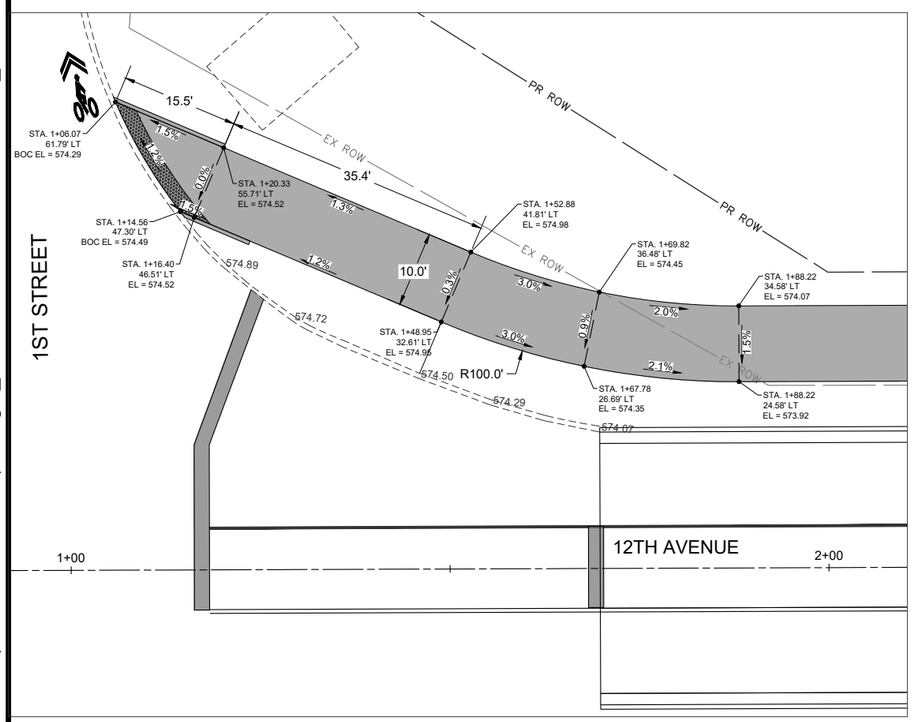
Z:\5201 - Downtown Reconstruction - PH I-II (CMT - East Moline)\Design_CADD\CADD Sheets\5201 - sht_Intersection Detail.dwg

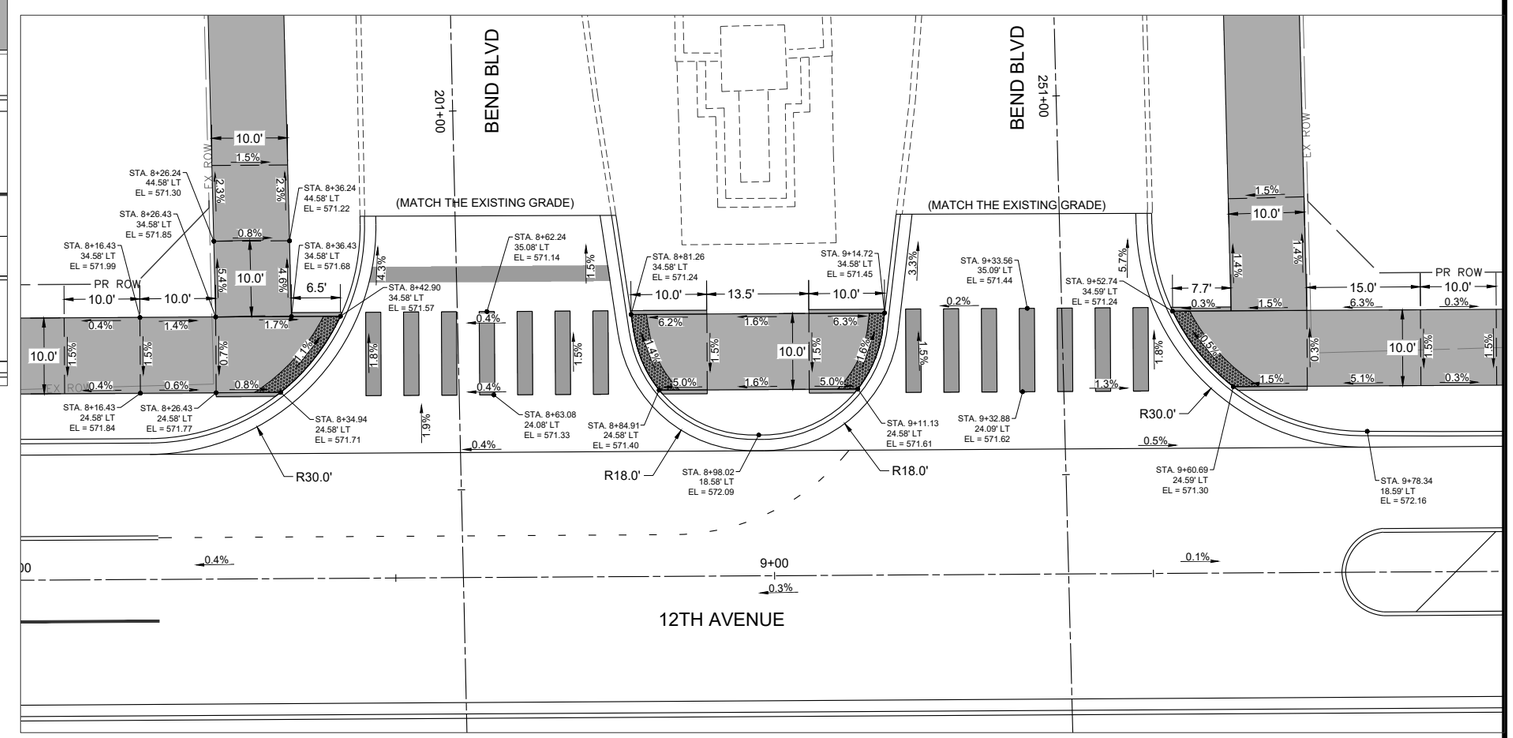
Hutchison Engineering, Inc.	DESIGNED AS DATE- 10-27-25 DRAWN AS CHECKED DJD PROJECT #: 5201	12TH AVENUE RECONSTRUCTION	CITY OF EAST MOLINE	INTERSECTION DETAILS SHEET (TIE-IN END DETAIL)	SHEET 102 OF 214

Z:\5201 - Downtown Reconstruction - PH I-II (CMT - East Moline)\Design_CADD\CADD Sheets\5201 - sht_ADA Detail.dwg







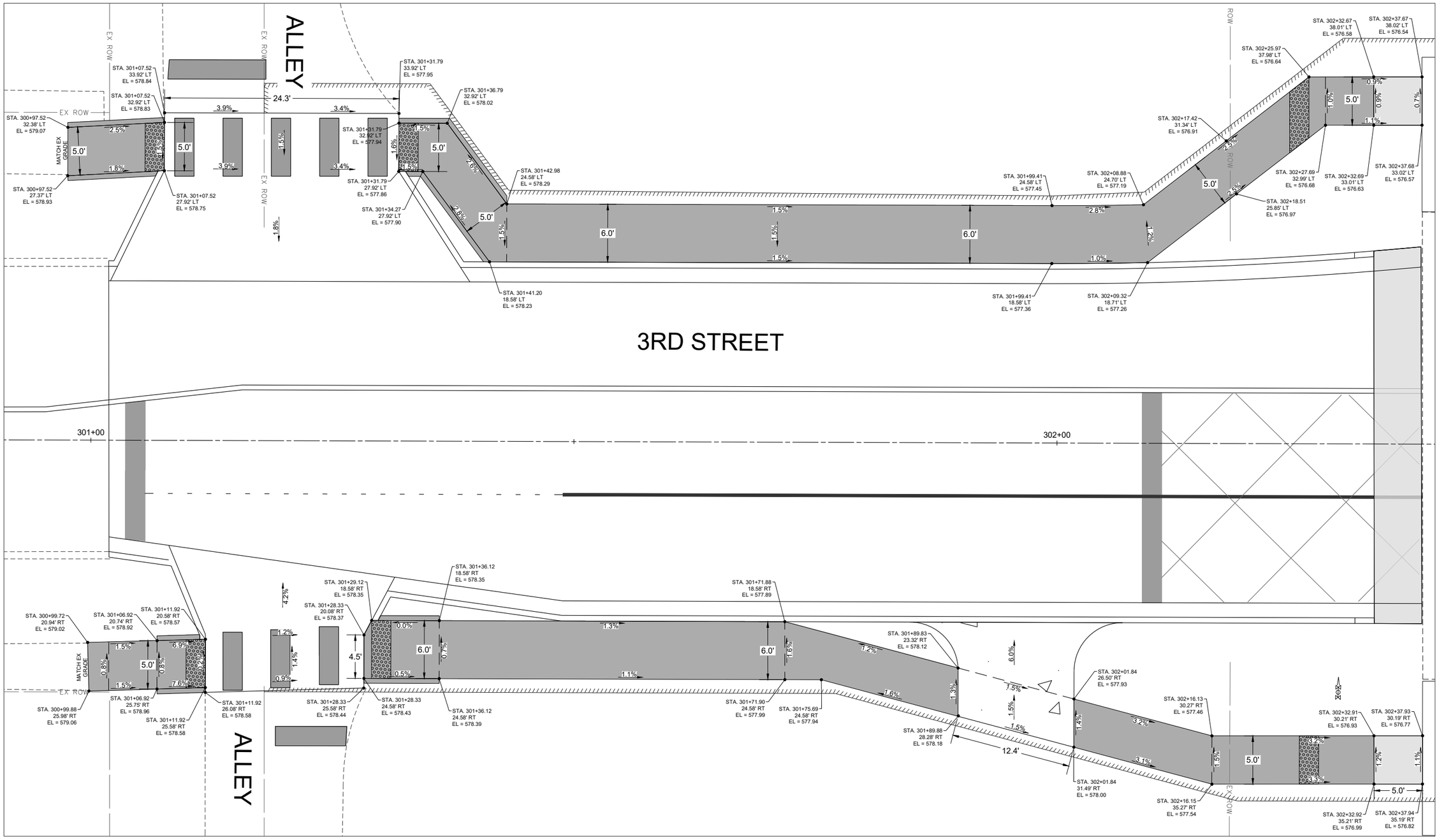


Hutchison Engineering, Inc.	DESIGNED BMP DATE- 10-29-25 DRAWN BMP CHECKED DJD PROJECT #: 5201	12TH AVENUE RECONSTRUCTION	CITY OF EAST MOLINE	ADA DETAILS

SHEET 103 OF 214

85780

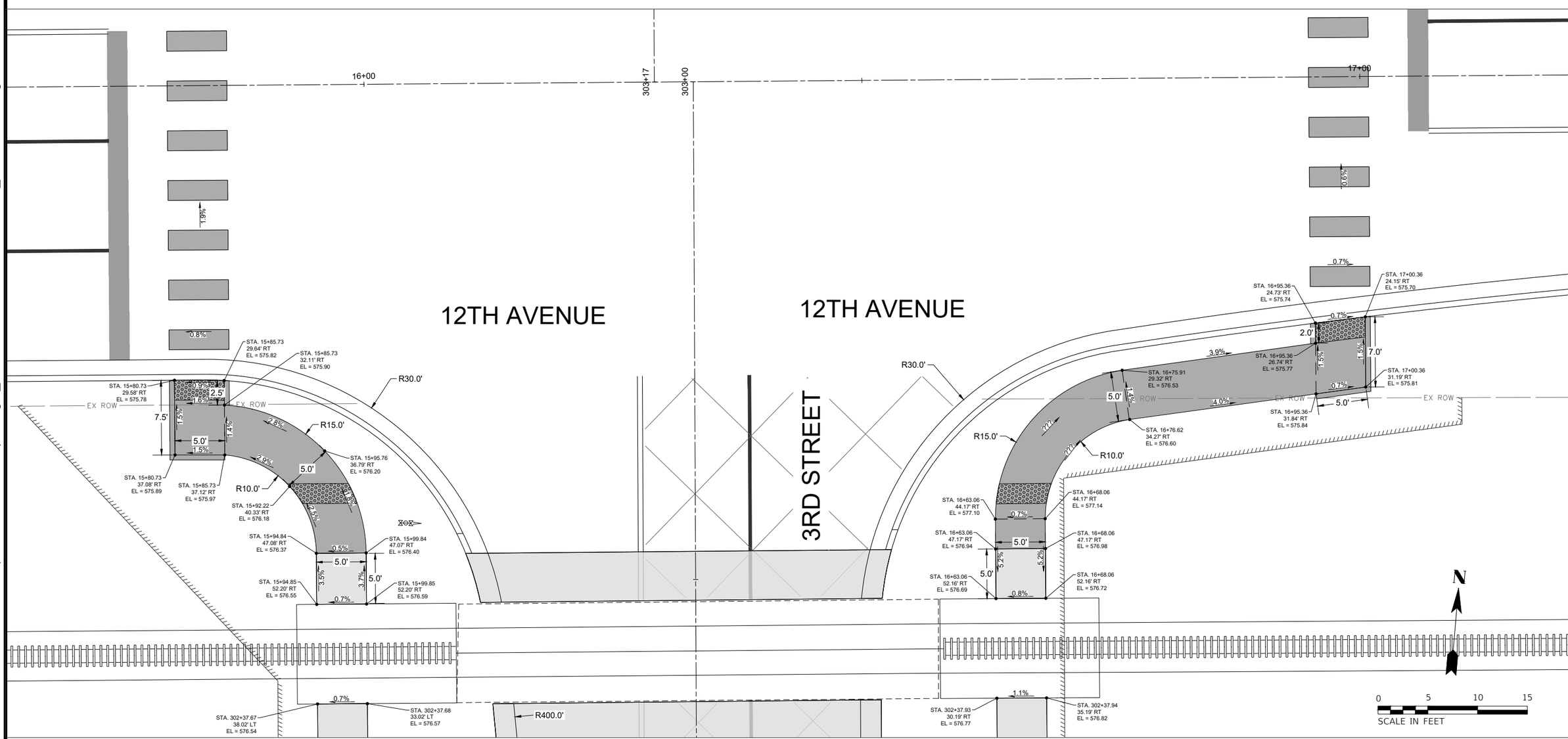
0 5 10 15
SCALE IN FEET



3RD ST. SOUTH OF 12TH AVE. (ALLEY)

Z:\5201 - Downtown Reconstruction - PH I-II (CMT - East Moline)\Design_CADD\CADD Sheets\5201 - sht_ADA Detail.dwg

Hutchison Engineering, Inc.	DESIGNED BMP DATE- 10-29-25 DRAWN BMP CHECKED DJD PROJECT #: 5201	12TH AVENUE RECONSTRUCTION	CITY OF EAST MOLINE	ADA DETAILS



12TH AVE. & 3RD ST. INTERSECTION

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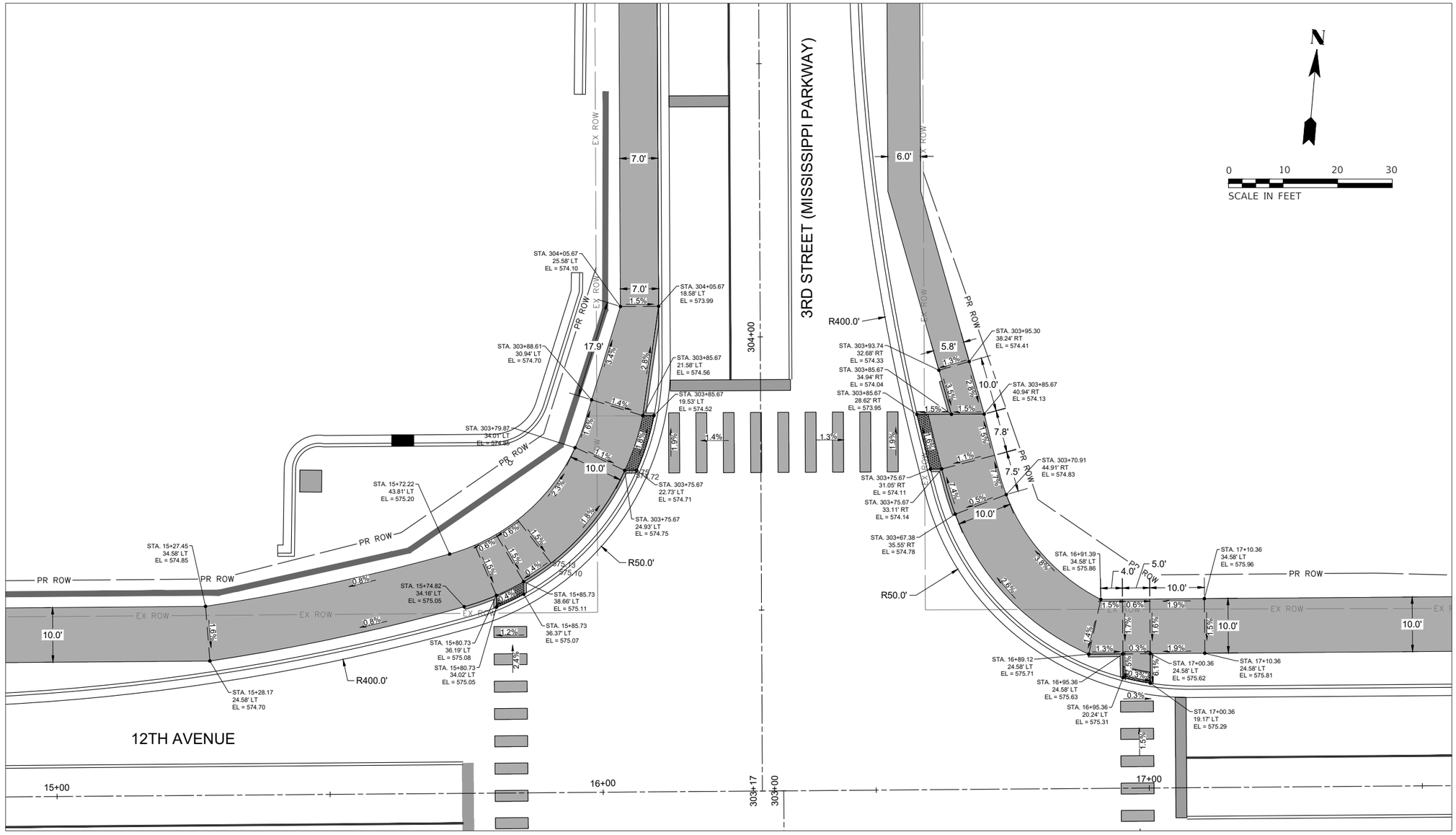
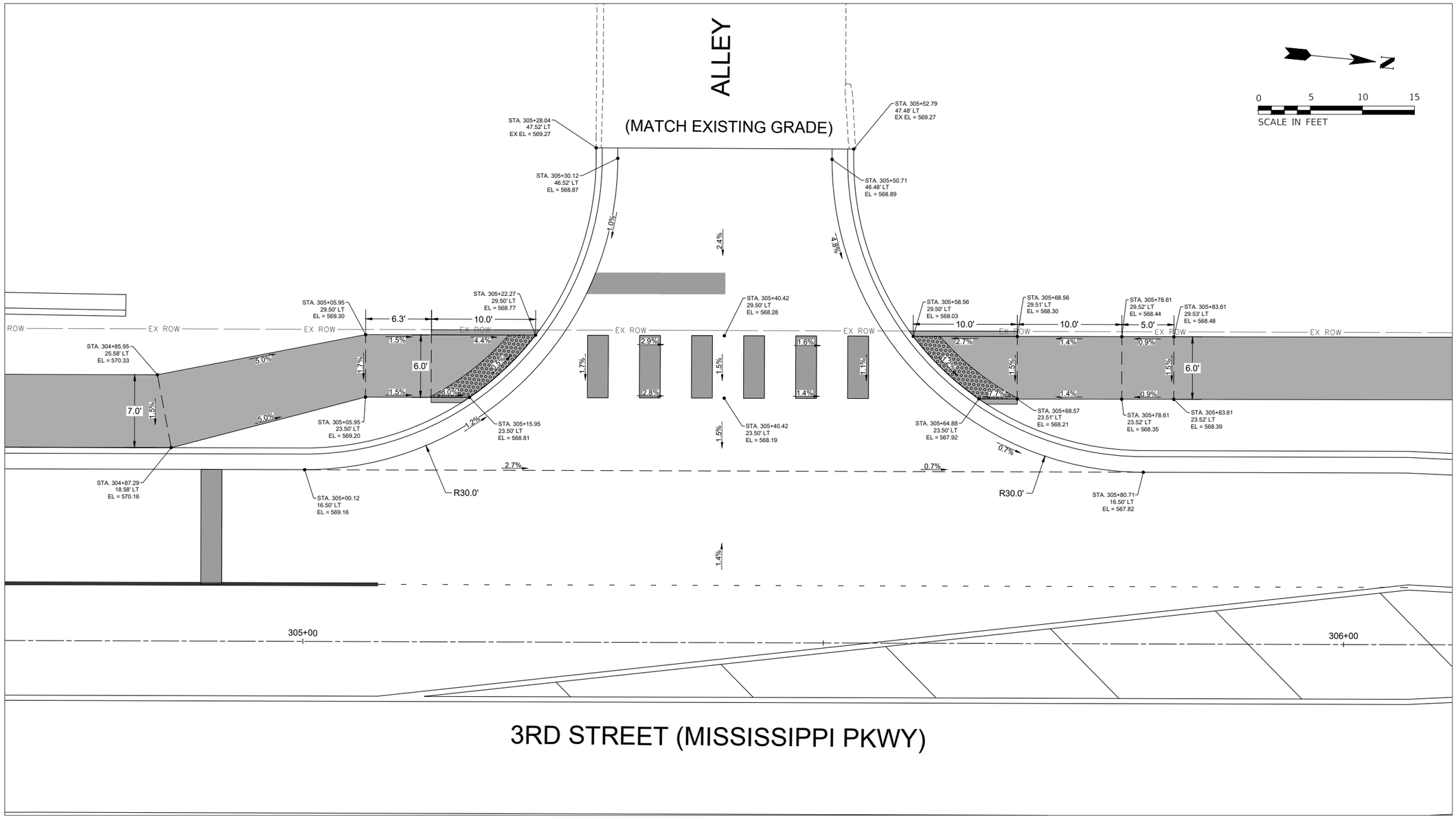
Hutchison Engineering, Inc.	DESIGNED BMP DATE- 10-29-25 DRAWN BMP CHECKED DJD PROJECT #: 5201	12TH AVENUE RECONSTRUCTION	CITY OF EAST MOLINE	ADA DETAILS	SHEET 105 OF 214



12TH AVE. & 3RD ST. INTERSECTION

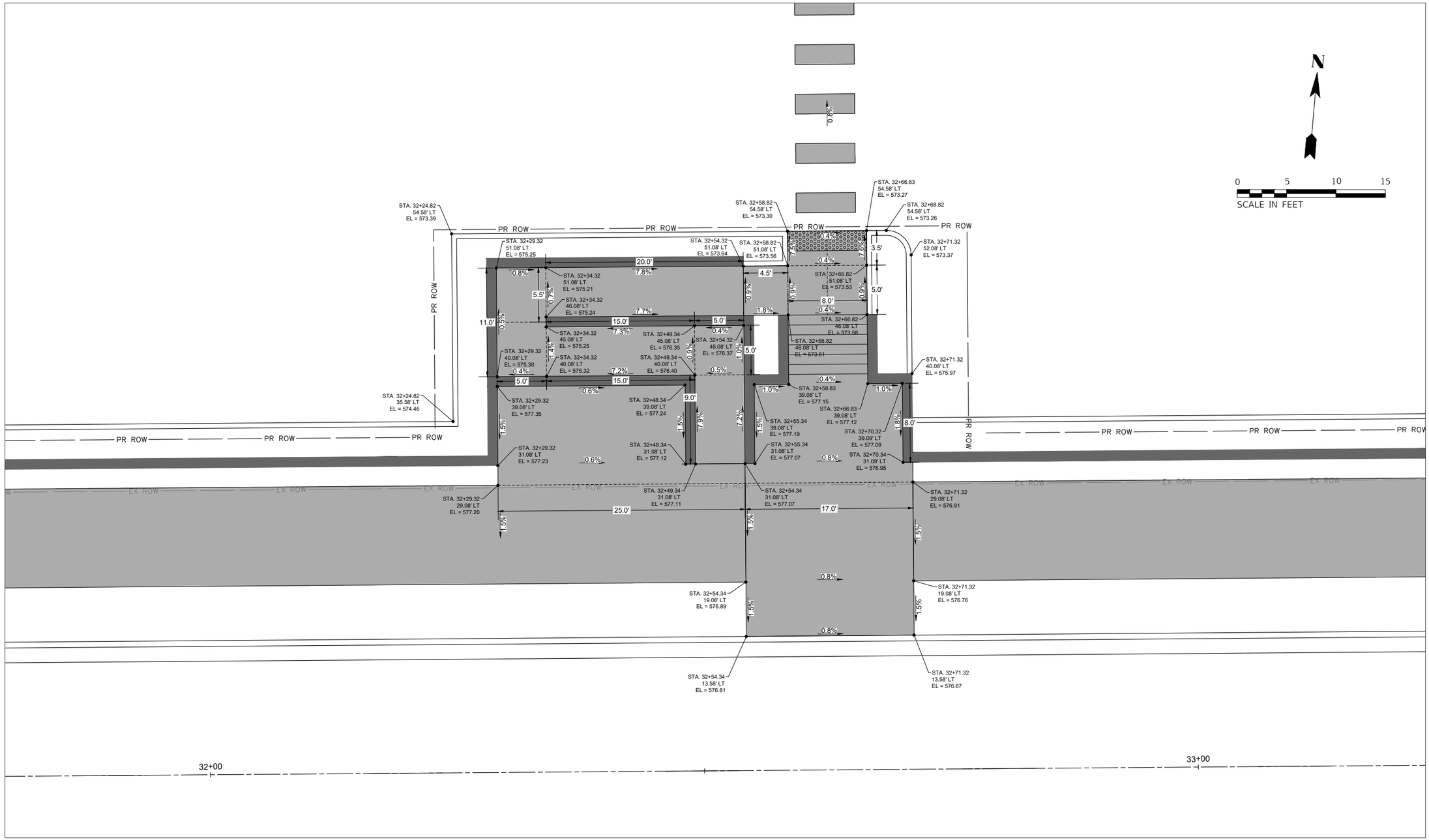
Hutchison Engineering, Inc.	DESIGNED BMP DATE- 10-29-25 DRAWN BMP CHECKED DJD PROJECT #: 5201	12TH AVENUE RECONSTRUCTION	CITY OF EAST MOLINE	ADA DETAILS



3RD STREET (MISSISSIPPI PKWY) - ALLEY NORTH OF 12TH AVE.

Z:\5201 - Downtown Reconstruction - PH I-II (CMT - East Moline)\Design_CADD\CADD Sheets\5201 - sht_ADA Detail.dwg

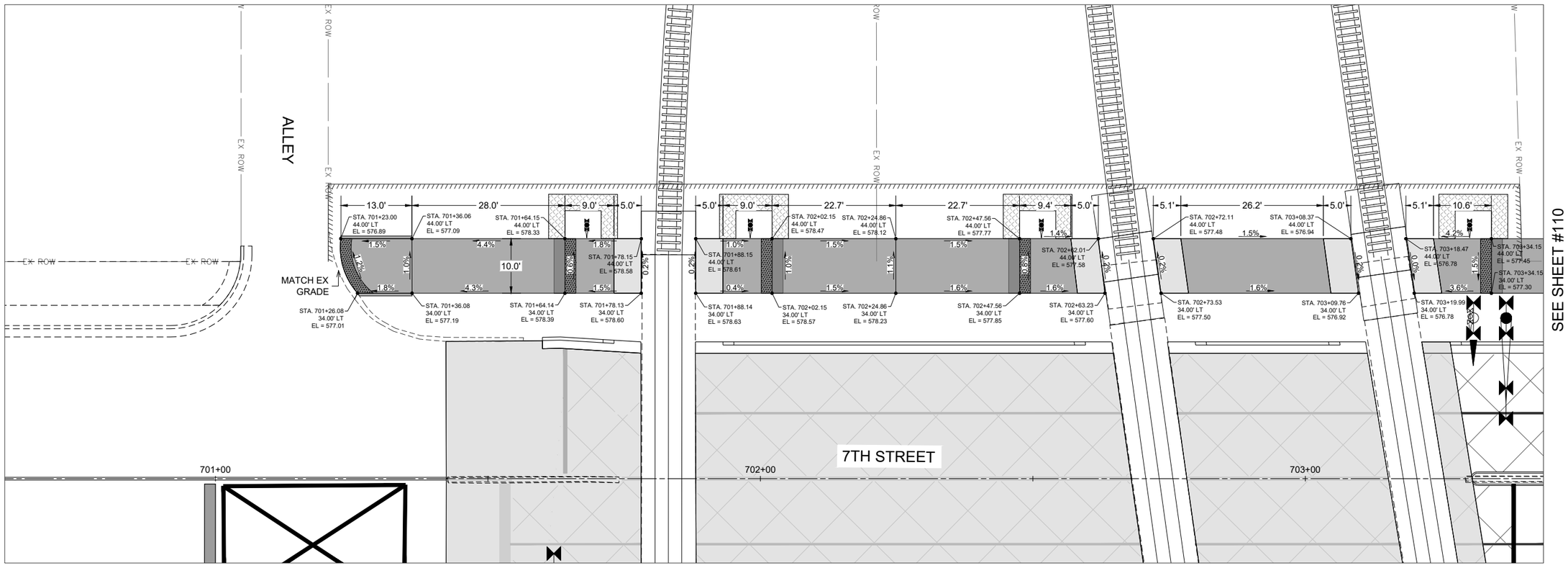
Hutchison Engineering, Inc.	DESIGNED BMP DATE- 10-29-25 DRAWN BMP CHECKED DJD PROJECT #: 5201	12TH AVENUE RECONSTRUCTION	CITY OF EAST MOLINE	ADA DETAILS	SHEET 107 OF 214



THE RUST BELT ADA NODE

Z:\5201 - Downtown Reconstruction - PH I-II (CMT - East Moline)\Design_CADD\CADD Sheets\5201 - sht_ADA Detail.dwg

Hutchison Engineering, Inc.	DESIGNED BMP DATE- 10-29-25 DRAWN BMP CHECKED DJD PROJECT #: 5201	12TH AVENUE RECONSTRUCTION	CITY OF EAST MOLINE	ADA DETAILS	SHEET 108 OF 214



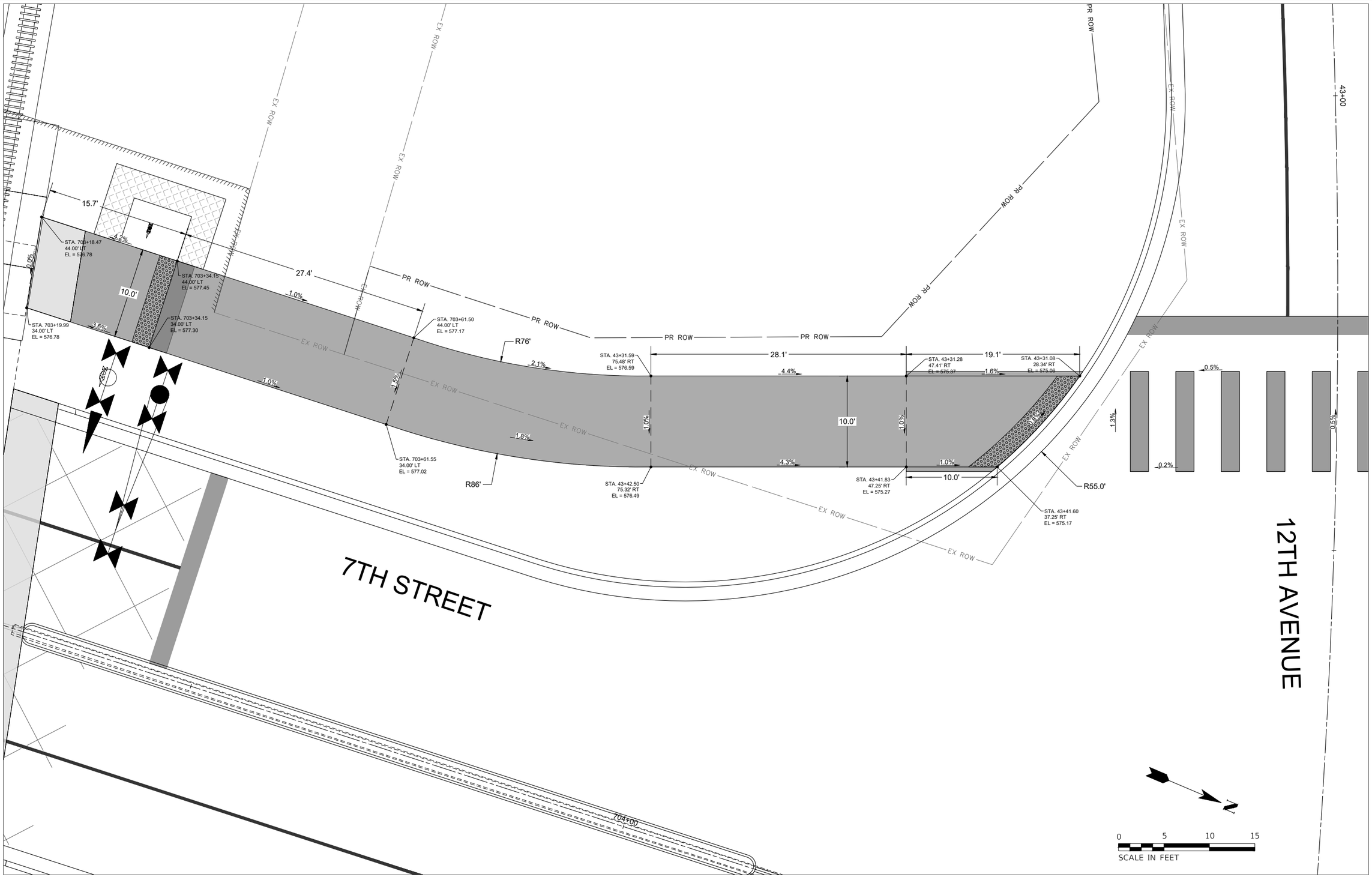
SHARED USE PATH (ADA) DETAIL: WEST OF 7TH STREET

Z:\5201 - Downtown Reconstruction - PH I-II (CMT - East Moline)\Design_CADD\CADD Sheets\5201 - sht_ADA Detail.dwg

Hutchison Engineering, Inc.	DESIGNED BMP DATE- 10-29-25 DRAWN BMP CHECKED DJD PROJECT #: 5201	12TH AVENUE RECONSTRUCTION	CITY OF EAST MOLINE	ADA DETAILS	SHEET 109 OF 214

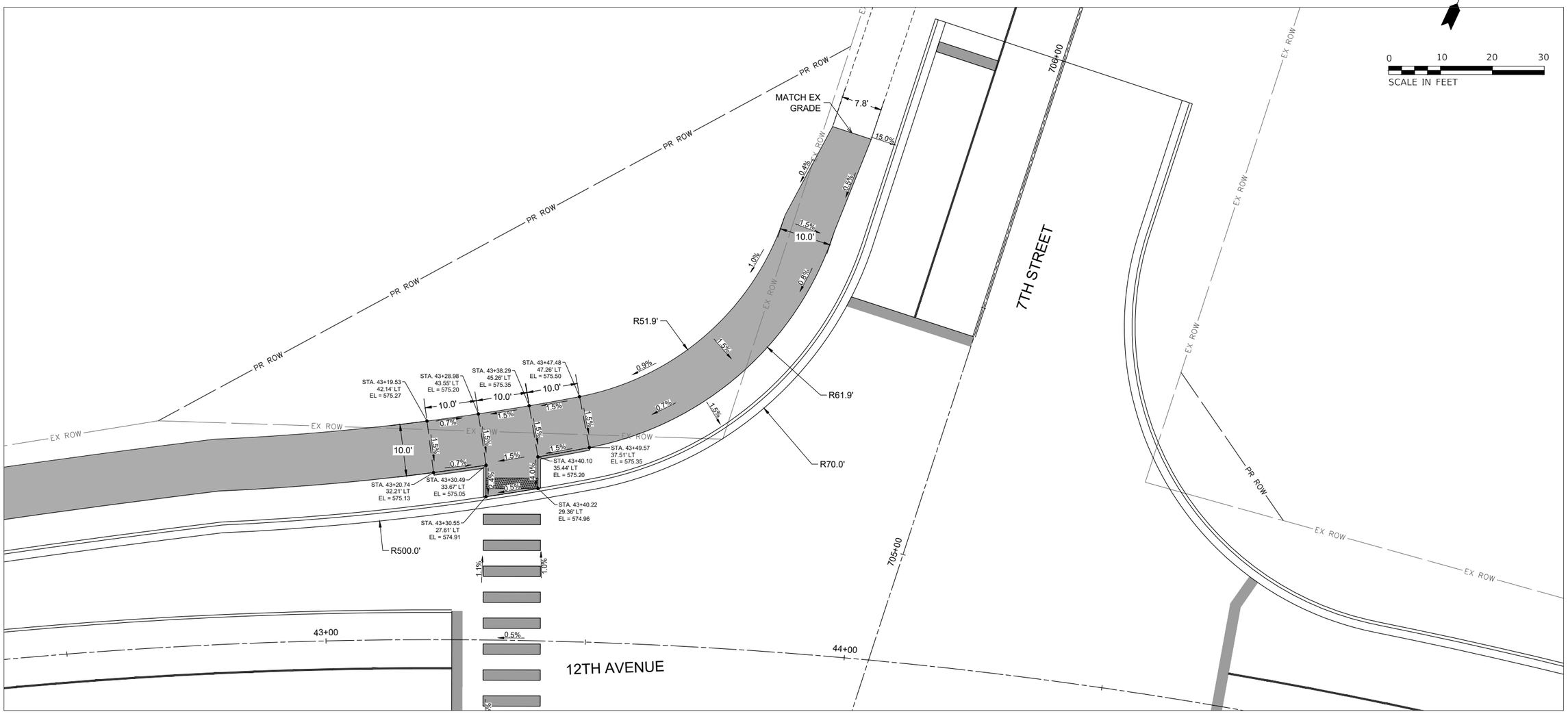
Z:\5201 - Downtown Reconstruction - PH I-II (CMT - East Moline)\Design_CADD\CADD Sheets\5201 - sht_ADA Detail.dwg

SEE SHEET #109



ADA CROSSWALK: SW CORNER OF 12TH AVENUE & 7TH STREET INTERSECTION

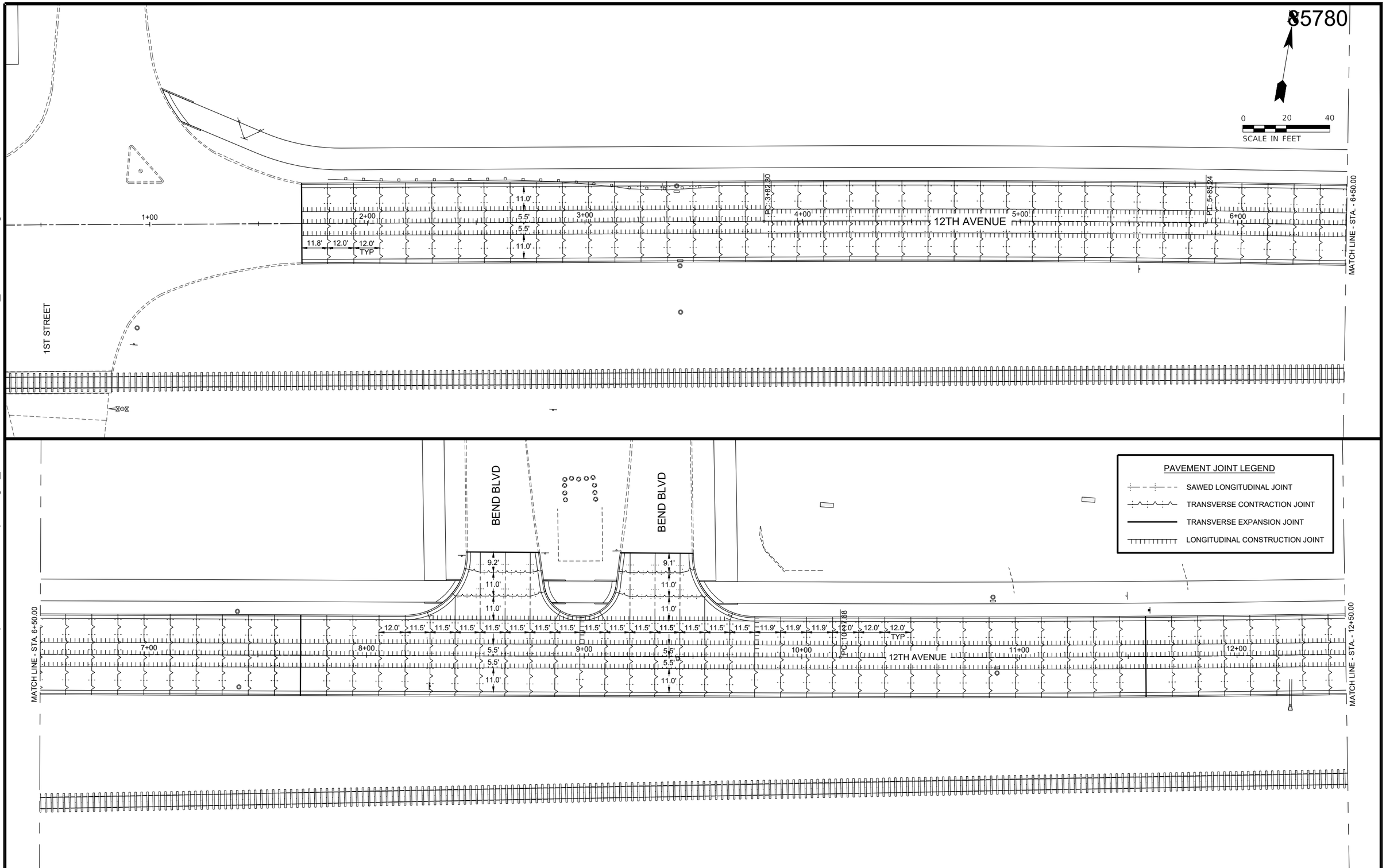
Hutchison Engineering, Inc.	DESIGNED BMP DATE- 10-29-25 DRAWN BMP CHECKED DJD PROJECT #: 5201	12TH AVENUE RECONSTRUCTION	CITY OF EAST MOLINE	ADA DETAILS



ADA CROSSWALK: NW CORNER OF 12TH AVENUE & 7TH STREET INTERSECTION

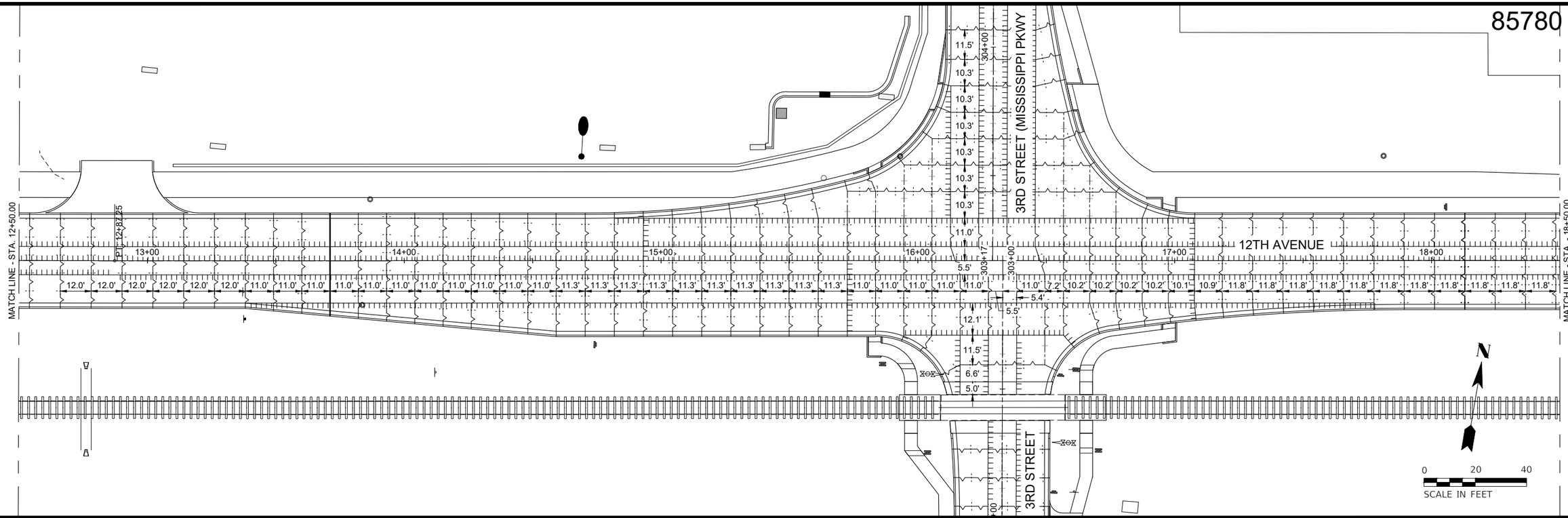
Z:\5201 - Downtown Reconstruction - PH I-II (CMT - East Moline)\Design_CADD\CADD Sheets\5201 - sht_ADA Detail.dwg

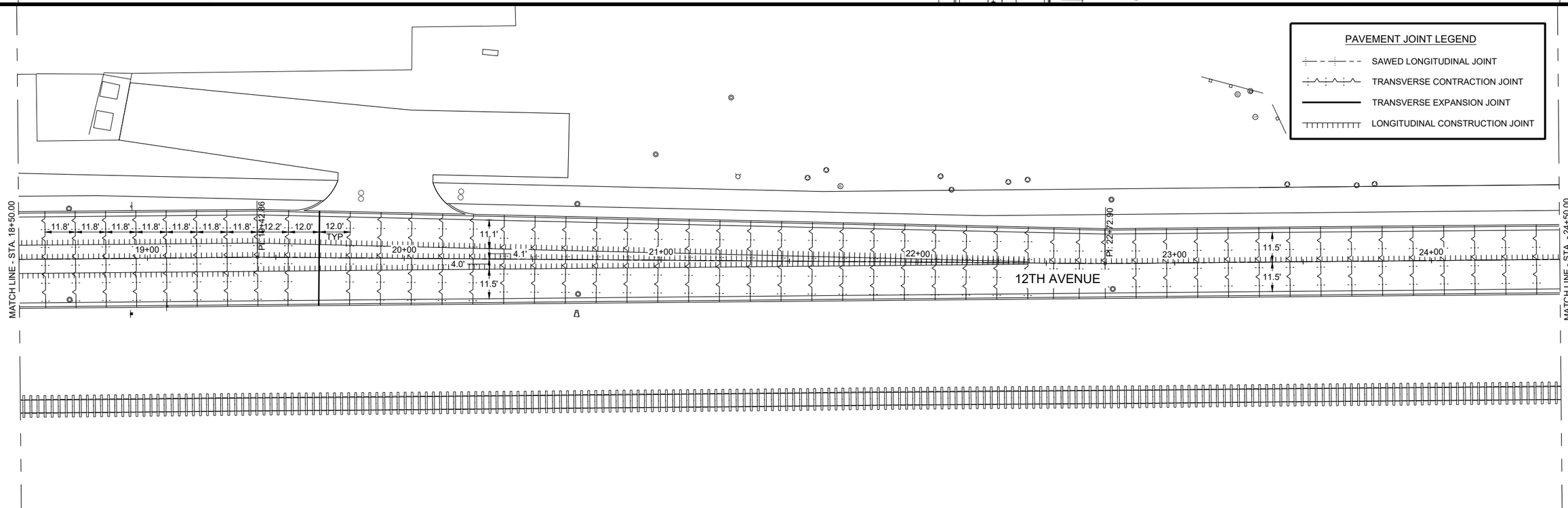
Hutchison Engineering, Inc.	DESIGNED BMP DATE- 10-29-25 DRAWN BMP CHECKED DJD PROJECT #: 5201	12TH AVENUE RECONSTRUCTION	CITY OF EAST MOLINE	ADA DETAILS	SHEET 111 OF 214



Z:\5201 - Downtown Reconstruction - PH I-II (CMT - East Moline)\Design_CADD\CADD Sheets\5201 - sht_Joint Plan.dwg

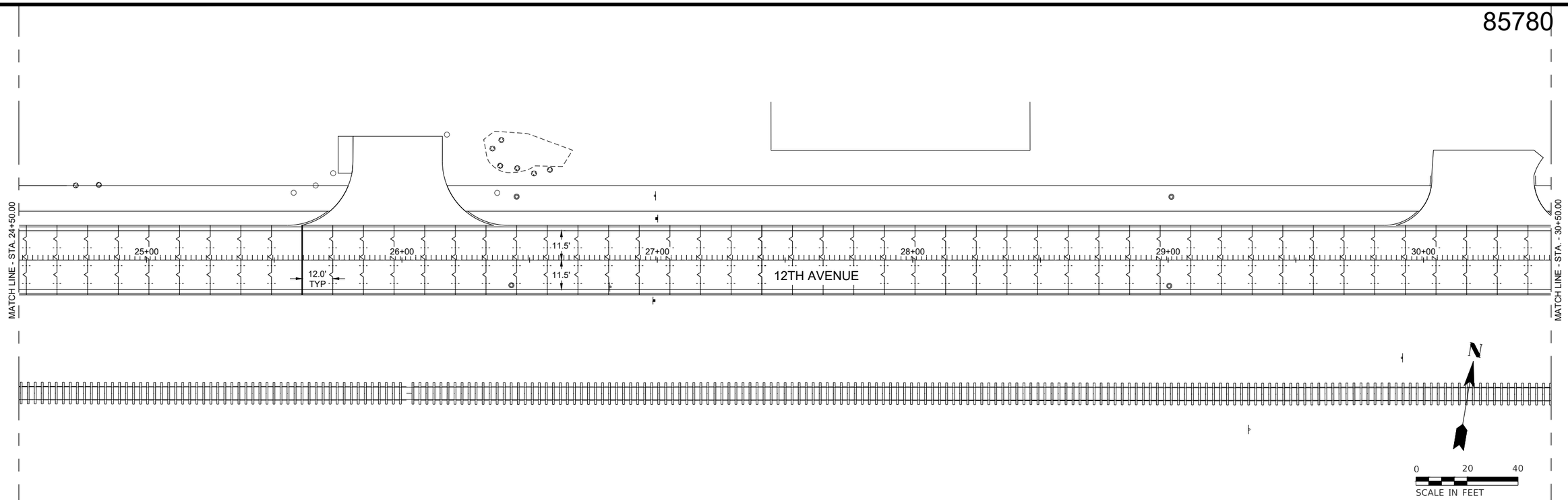
Hutchison Engineering, Inc.	DESIGNED AS DATE- 10-29-25 DRAWN AS CHECKED DJD PROJECT #: 5201	12TH AVENUE RECONSTRUCTION	CITY OF EAST MOLINE	JOINTING PLANS

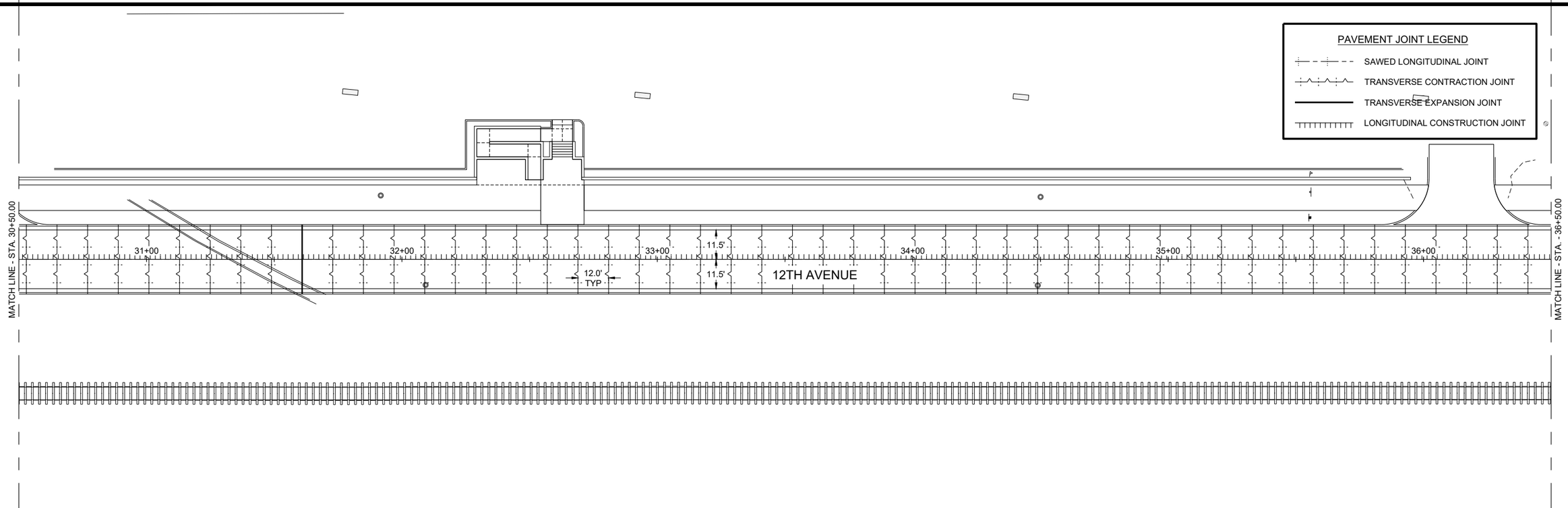




Z:\5201 - Downtown Reconstruction - PH I-II (CMT - East Moline)\Design_CADD\CADD Sheets\5201 - sht_Joint Plan.dwg

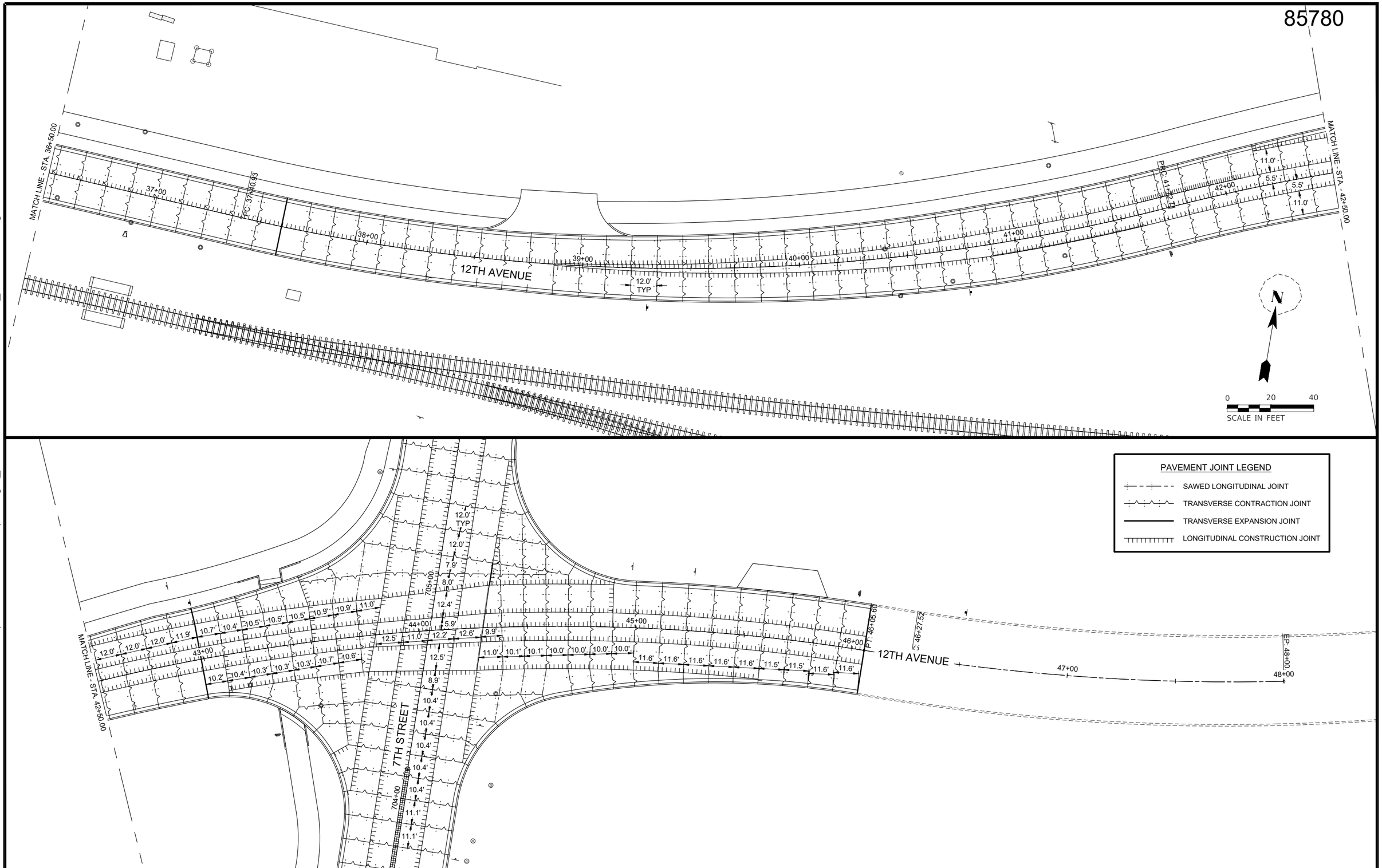
Hutchison Engineering, Inc.	DESIGNED AS DATE- 10-29-25 DRAWN AS CHECKED DJD PROJECT #: 5201	12TH AVENUE RECONSTRUCTION	CITY OF EAST MOLINE	JOINTING PLANS





Z:\5201 - Downtown Reconstruction - PH I-II (CMT - East Moline)\Design_CADD\CADD Sheets\5201 - sht_Joint Plan.dwg

Hutchison Engineering, Inc.	DESIGNED AS DATE- 10-29-25 DRAWN AS CHECKED DJD PROJECT #: 5201	12TH AVENUE RECONSTRUCTION	CITY OF EAST MOLINE	JOINTING PLANS	SHEET 114 OF 214



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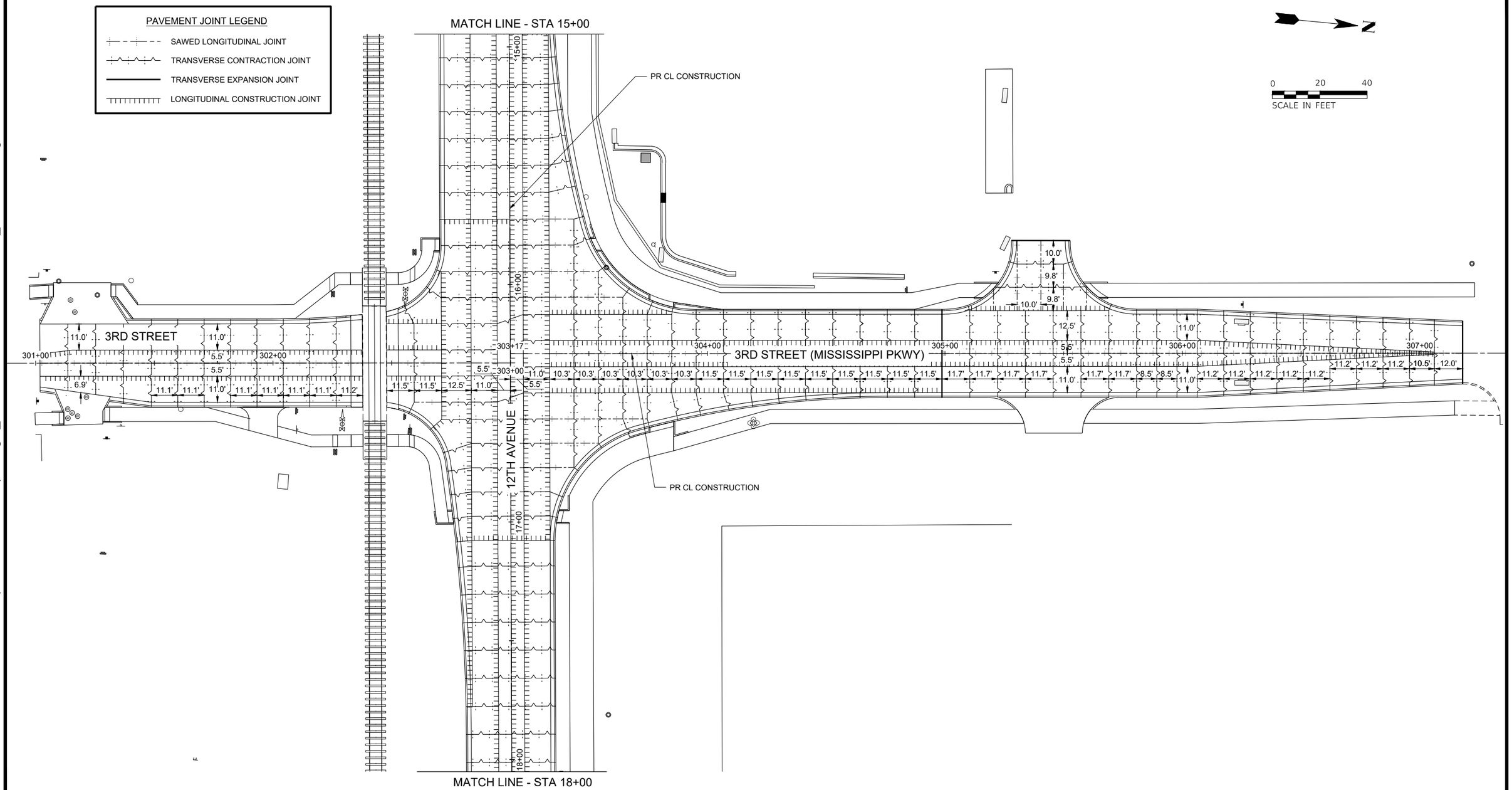
Hutchison Engineering, Inc.	DESIGNED AS DATE- 10-29-25 DRAWN AS CHECKED DJD PROJECT #: 5201	12TH AVENUE RECONSTRUCTION	CITY OF EAST MOLINE	JOINTING PLANS



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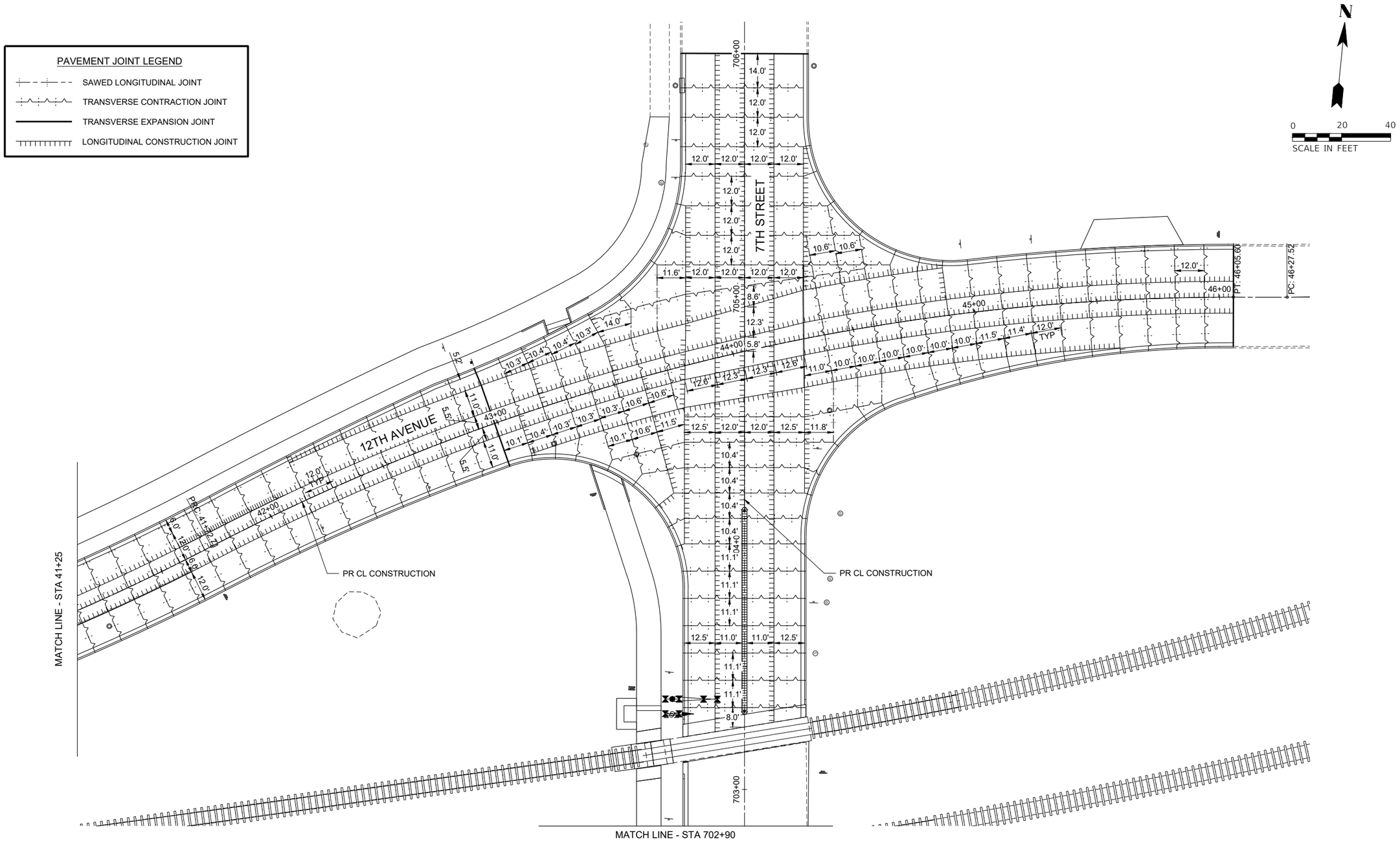
Hutchison Engineering, Inc.	DESIGNED AS DATE- 10-29-25 DRAWN AS CHECKED DJD PROJECT #: 5201	12TH AVENUE RECONSTRUCTION	CITY OF EAST MOLINE	JOINTING PLANS

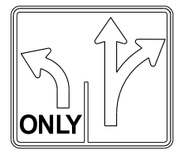


Z:\5201 - Downtown Reconstruction - PH I-II (CMT - East Moline)\Design_CADD\CADD Sheets\5201 - sht_Joint Plan.dwg

Hutchison Engineering, Inc.	DESIGNED AS DATE- 10-29-25 DRAWN AS CHECKED DJD PROJECT #: 5201	12TH AVENUE RECONSTRUCTION	CITY OF EAST MOLINE	JOINTING PLANS	SHEET 117 OF 214

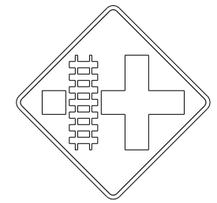
R1 - 1
30"x30"

R10 - 6a
24"x30"



R3 - 8R
30"x30"

R5 - 1
30"x30"



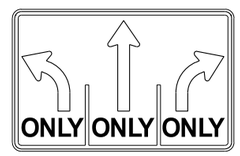
W10 - 2L
36"x36"

W10 - 1
36" DIA

R15 - 8
(BACK TO BACK)
36"x18"

R3 - 7L
30"x30"

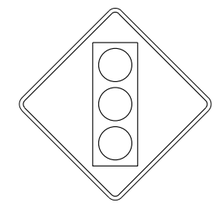
R10 - 11a
24"x30"



R3 - 8b
36"x30"

R8 - 3a
24"x30"

R8 - 8
24"x30"



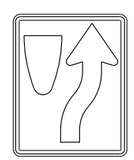
W3 - 3
36"x36"

W25-2
24"x30"

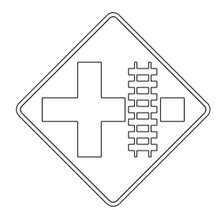
R3 - 7R
30"x30"

R2 - 1
24"x30"

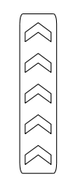
R10 - 12a
24"x30"



R4 - 7
24"x30"



W10 - 2R
36"x36"



OM3 - C
12"x36"

W10 - I101
24"x30"

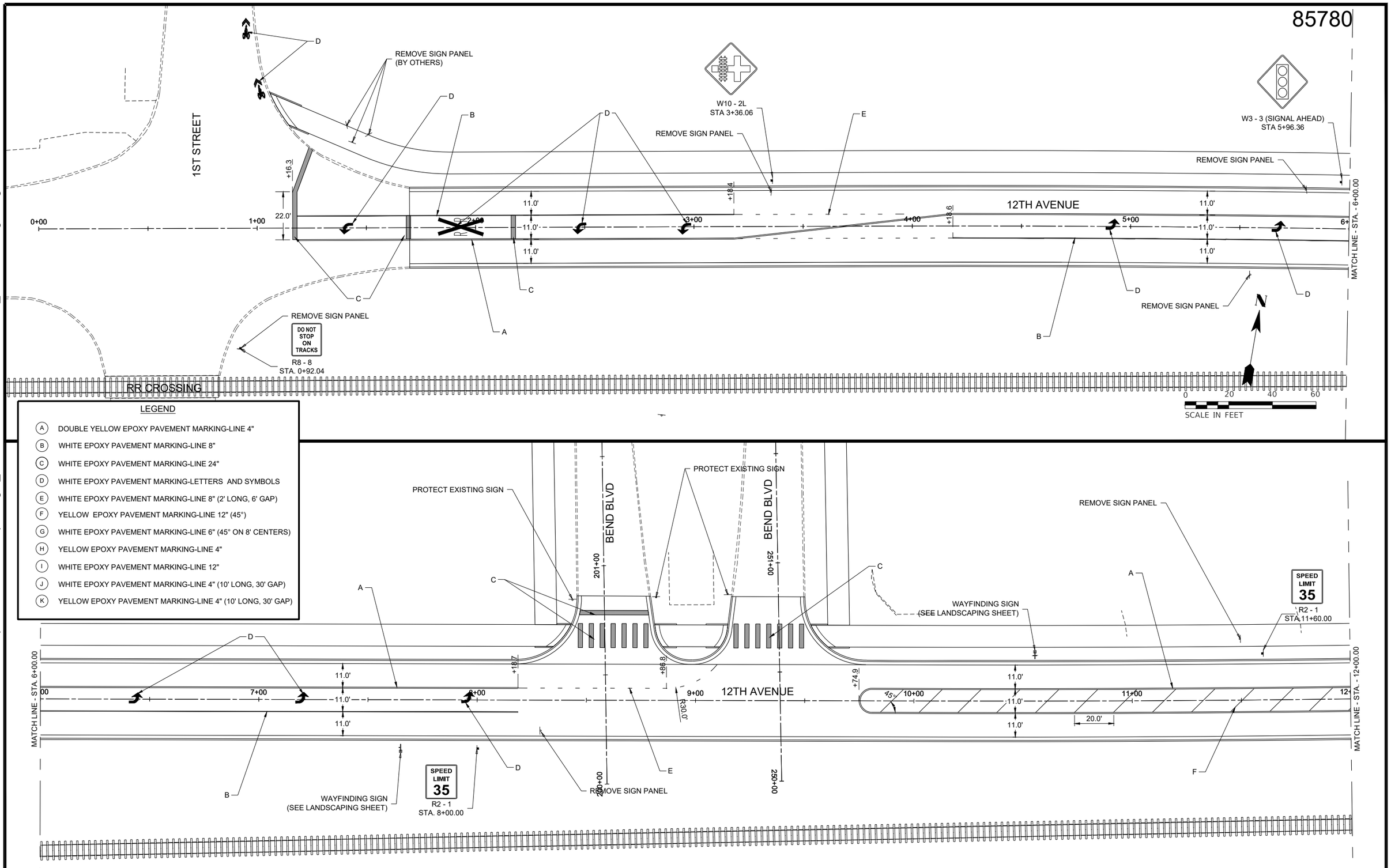
R15 - 1
R15-2P
30"x30"

R6 - 1
36"x12"

Z:\5201 - Downtown Reconstruction - PH I-II (CMT - East Moline)\Design_CADD\CADD Sheets\5201 - sht_Pvmt Markings.dwg

Hutchison Engineering, Inc.	DESIGNED AS DATE- 10-29-25 DRAWN AS CHECKED DJD PROJECT #: 5201	12TH AVENUE RECONSTRUCTION	CITY OF EAST MOLINE	PAVEMENT MARKING & SIGNAGE PLANS

85780



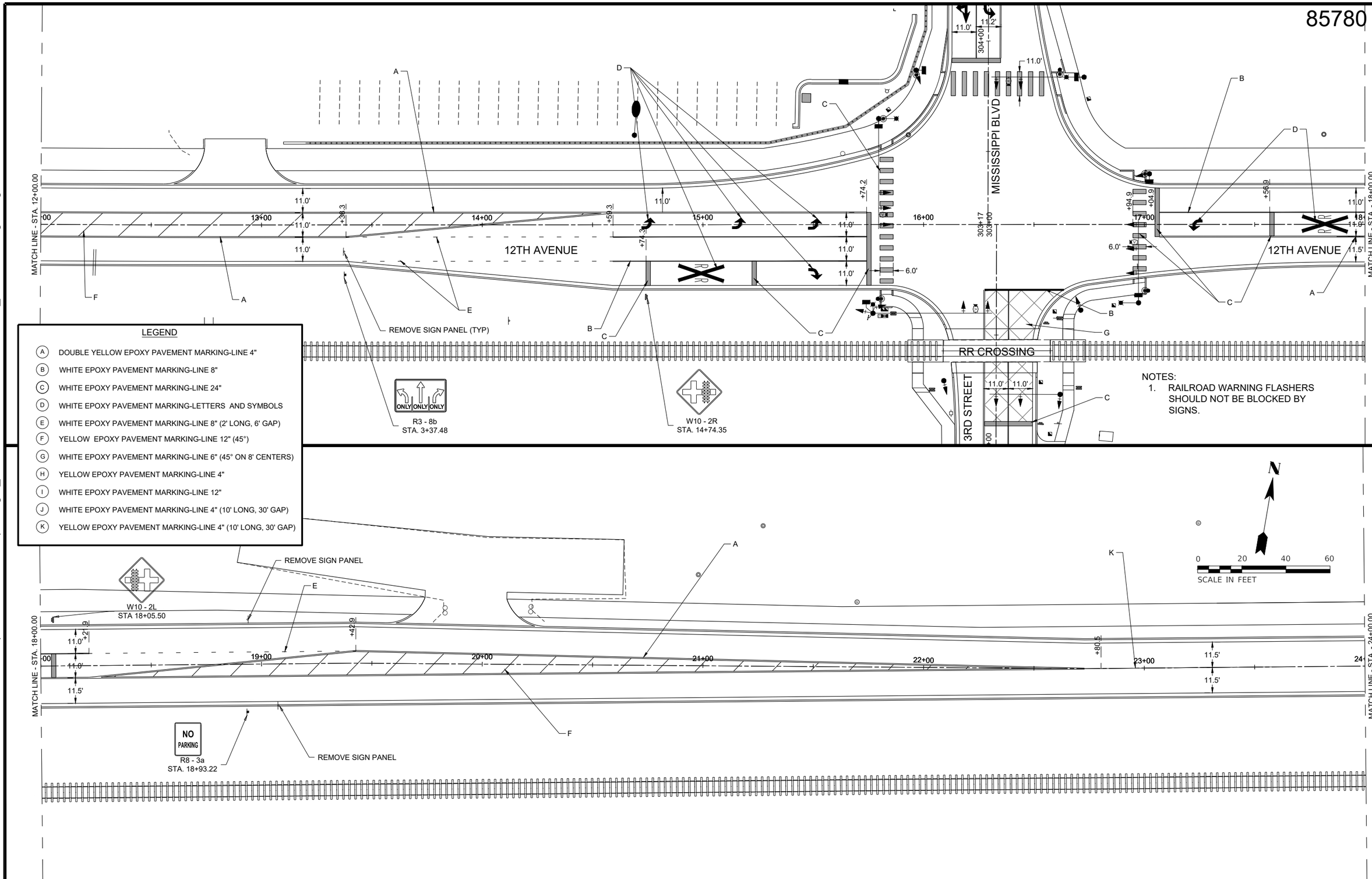
LEGEND

- (A) DOUBLE YELLOW EPOXY PAVEMENT MARKING-LINE 4"
- (B) WHITE EPOXY PAVEMENT MARKING-LINE 8"
- (C) WHITE EPOXY PAVEMENT MARKING-LINE 24"
- (D) WHITE EPOXY PAVEMENT MARKING-LETTERS AND SYMBOLS
- (E) WHITE EPOXY PAVEMENT MARKING-LINE 8" (2' LONG, 6' GAP)
- (F) YELLOW EPOXY PAVEMENT MARKING-LINE 12" (45°)
- (G) WHITE EPOXY PAVEMENT MARKING-LINE 6" (45° ON 8' CENTERS)
- (H) YELLOW EPOXY PAVEMENT MARKING-LINE 4"
- (I) WHITE EPOXY PAVEMENT MARKING-LINE 12"
- (J) WHITE EPOXY PAVEMENT MARKING-LINE 4" (10' LONG, 30' GAP)
- (K) YELLOW EPOXY PAVEMENT MARKING-LINE 4" (10' LONG, 30' GAP)

Z:\5201 - Downtown Reconstruction - PH I-II (CMT - East Moline)\Design_CADD\CADD Sheets\5201 - sht_Pvmt Markings.dwg

Hutchison Engineering, Inc.	DESIGNED AS DATE- 10-29-25 DRAWN AS CHECKED DJD PROJECT #: 5201	12TH AVENUE RECONSTRUCTION	CITY OF EAST MOLINE	PAVEMENT MARKING & SIGNAGE PLANS

85780



NOTES:
1. RAILROAD WARNING FLASHERS SHOULD NOT BE BLOCKED BY SIGNS.

LEGEND

- (A) DOUBLE YELLOW EPOXY PAVEMENT MARKING-LINE 4"
- (B) WHITE EPOXY PAVEMENT MARKING-LINE 8"
- (C) WHITE EPOXY PAVEMENT MARKING-LINE 24"
- (D) WHITE EPOXY PAVEMENT MARKING-LETTERS AND SYMBOLS
- (E) WHITE EPOXY PAVEMENT MARKING-LINE 8" (2' LONG, 6' GAP)
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- (H) YELLOW EPOXY PAVEMENT MARKING-LINE 4"
- (I) WHITE EPOXY PAVEMENT MARKING-LINE 12"
- (J) WHITE EPOXY PAVEMENT MARKING-LINE 4" (10' LONG, 30' GAP)
- (K) YELLOW EPOXY PAVEMENT MARKING-LINE 4" (10' LONG, 30' GAP)

Z:\5201 - Downtown Reconstruction - PH I-II (CMT - East Moline)\Design_CADD\CADD Sheets\5201 - sht_Pvmt Markings.dwg

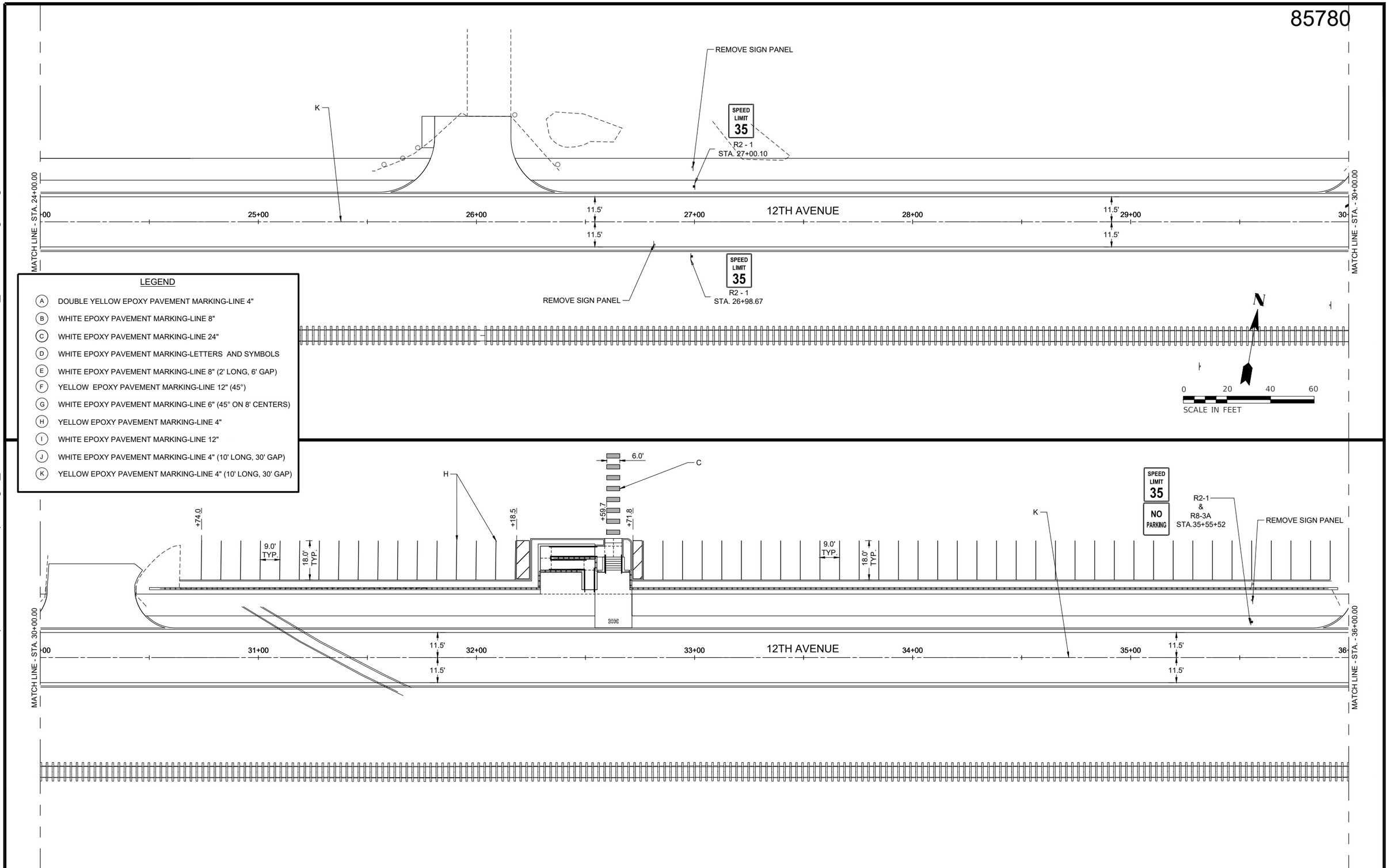
Hutchison Engineering, Inc.

DESIGNED	BMP	DATE- 10-29-25
DRAWN	BMP	
CHECKED	DJD	
PROJECT #:	5201	

12TH AVENUE RECONSTRUCTION

CITY OF EAST MOLINE

PAVEMENT MARKING & SIGNAGE PLANS

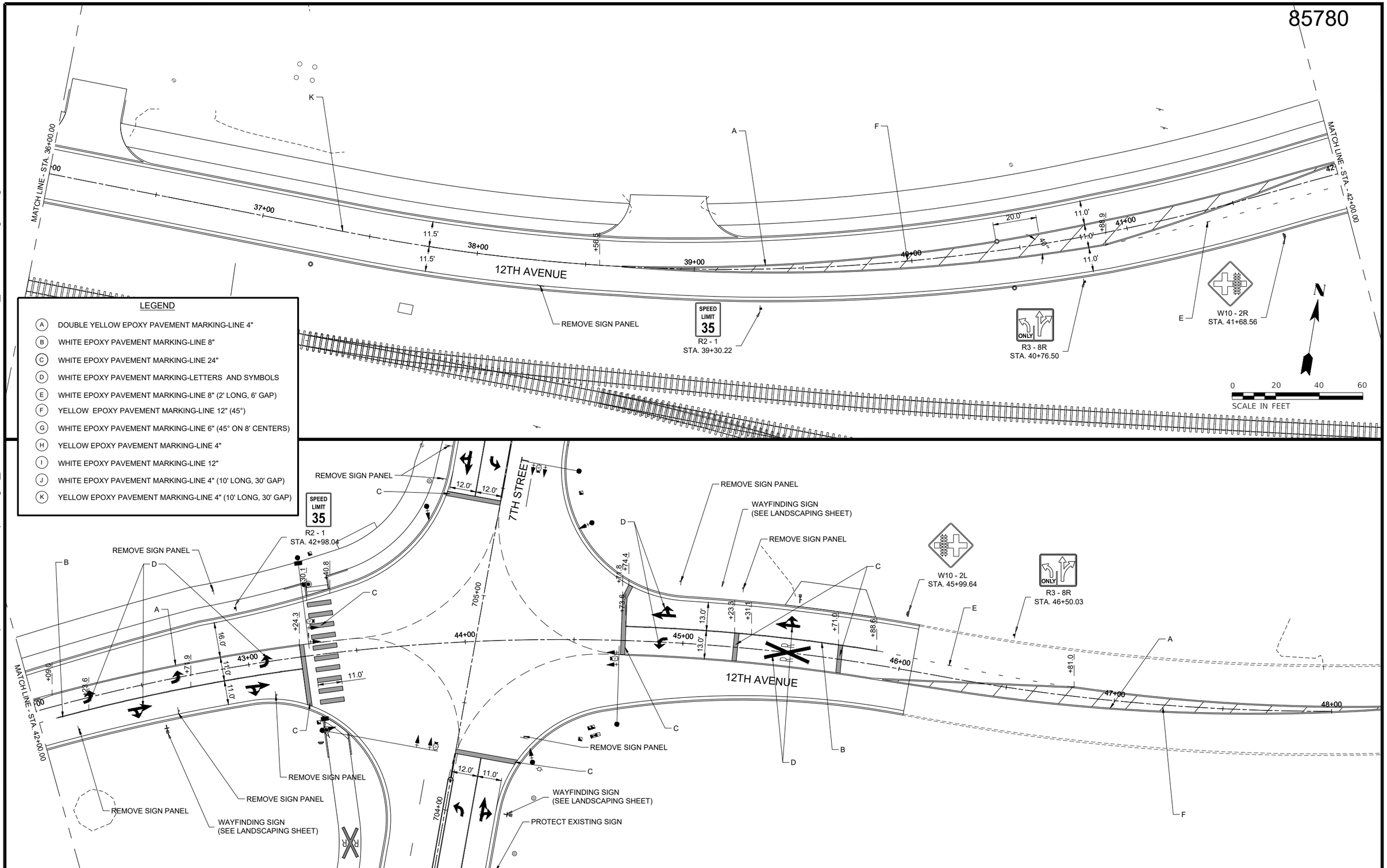


Z:\5201 - Downtown Reconstruction - PH I-II (CMT - East Moline)\Design_CADD\CADD Sheets\5201 - sht_Pvmt Markings.dwg

Hutchison Engineering, Inc.	DESIGNED BMP DATE- 10-29-25	12TH AVENUE RECONSTRUCTION	PAVEMENT MARKING & SIGNAGE PLANS
	DRAWN BMP	CITY OF EAST MOLINE	
	CHECKED DJD		
	PROJECT #: 5201		

85780

Z:\5201 - Downtown Reconstruction - PH I-II (CMT - East Moline)\Design_CADD\CADD Sheets\5201 - sht_Pvmt Markings.dwg



LEGEND

- (A) DOUBLE YELLOW EPOXY PAVEMENT MARKING-LINE 4"
- (B) WHITE EPOXY PAVEMENT MARKING-LINE 8"
- (C) WHITE EPOXY PAVEMENT MARKING-LINE 24"
- (D) WHITE EPOXY PAVEMENT MARKING-LETTERS AND SYMBOLS
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- (F) YELLOW EPOXY PAVEMENT MARKING-LINE 12" (45°)
- (G) WHITE EPOXY PAVEMENT MARKING-LINE 6" (45° ON 8' CENTERS)
- (H) YELLOW EPOXY PAVEMENT MARKING-LINE 4"
- (I) WHITE EPOXY PAVEMENT MARKING-LINE 12"
- (J) WHITE EPOXY PAVEMENT MARKING-LINE 4" (10' LONG, 30' GAP)
- (K) YELLOW EPOXY PAVEMENT MARKING-LINE 4" (10' LONG, 30' GAP)

Hutchison Engineering, Inc.

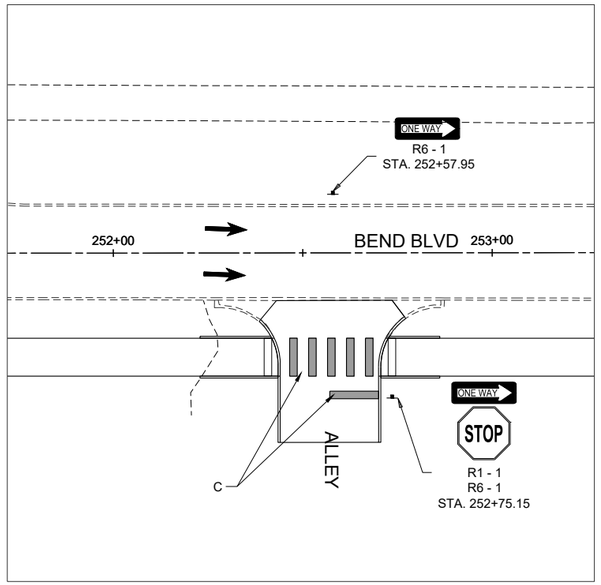
DESIGNED	BMP	DATE- 10-29-25
DRAWN	BMP	
CHECKED	DJD	
PROJECT #:	5201	

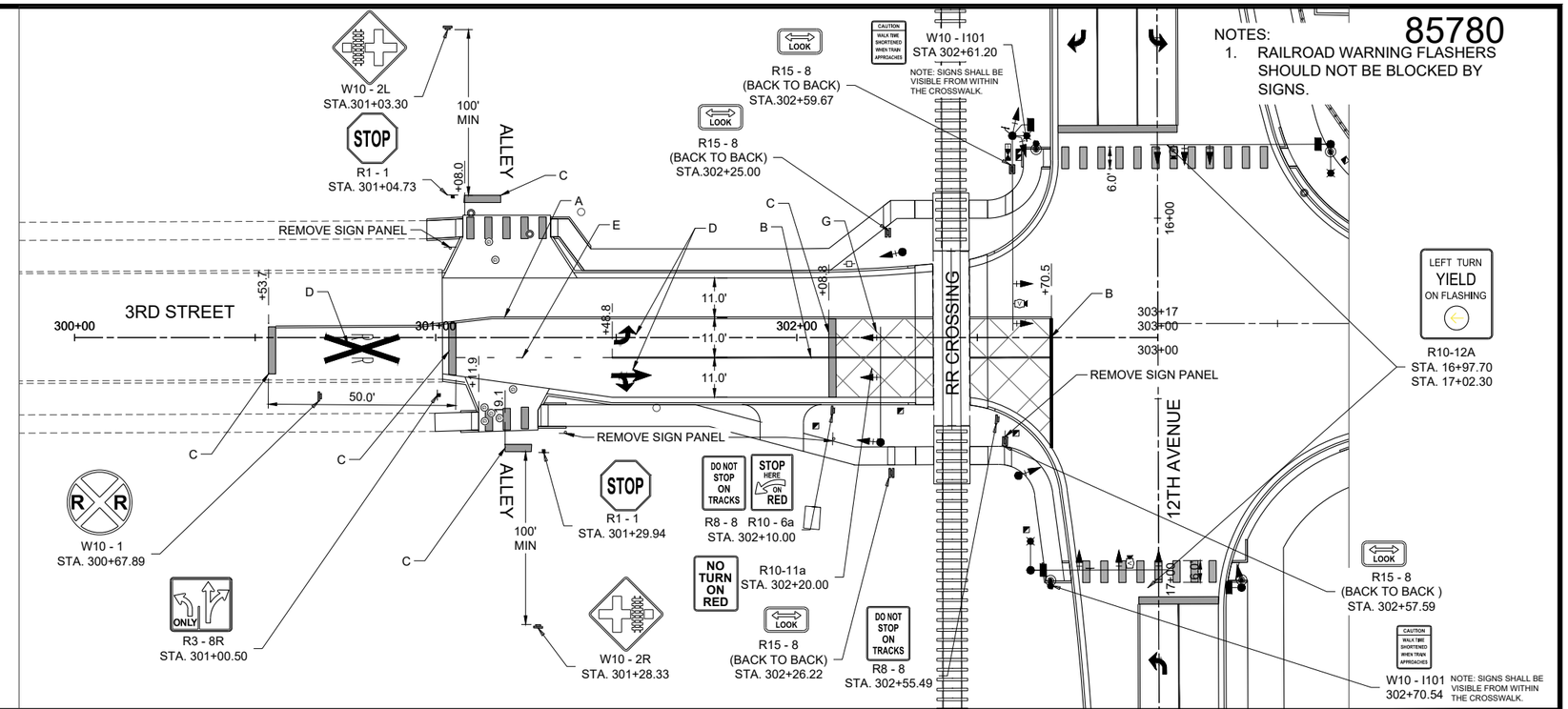
12TH AVENUE RECONSTRUCTION

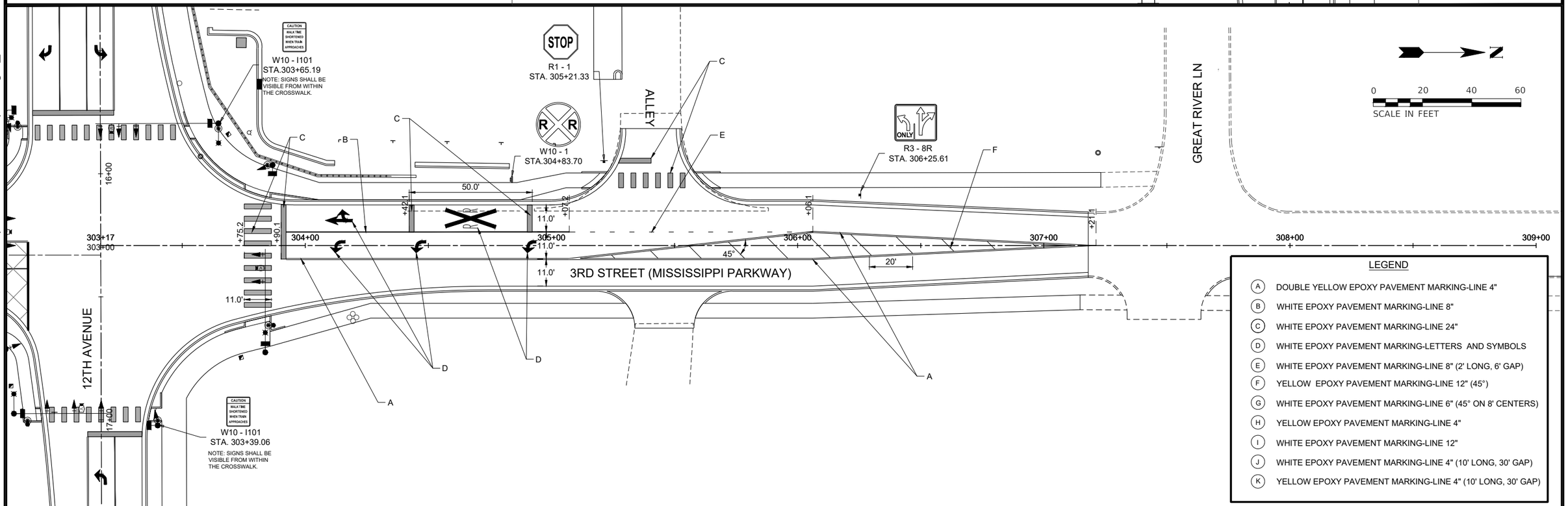
CITY OF EAST MOLINE

PAVEMENT MARKING & SIGNAGE PLANS

NOTES:
1. RAILROAD WARNING FLASHERS SHOULD NOT BE BLOCKED BY SIGNS.





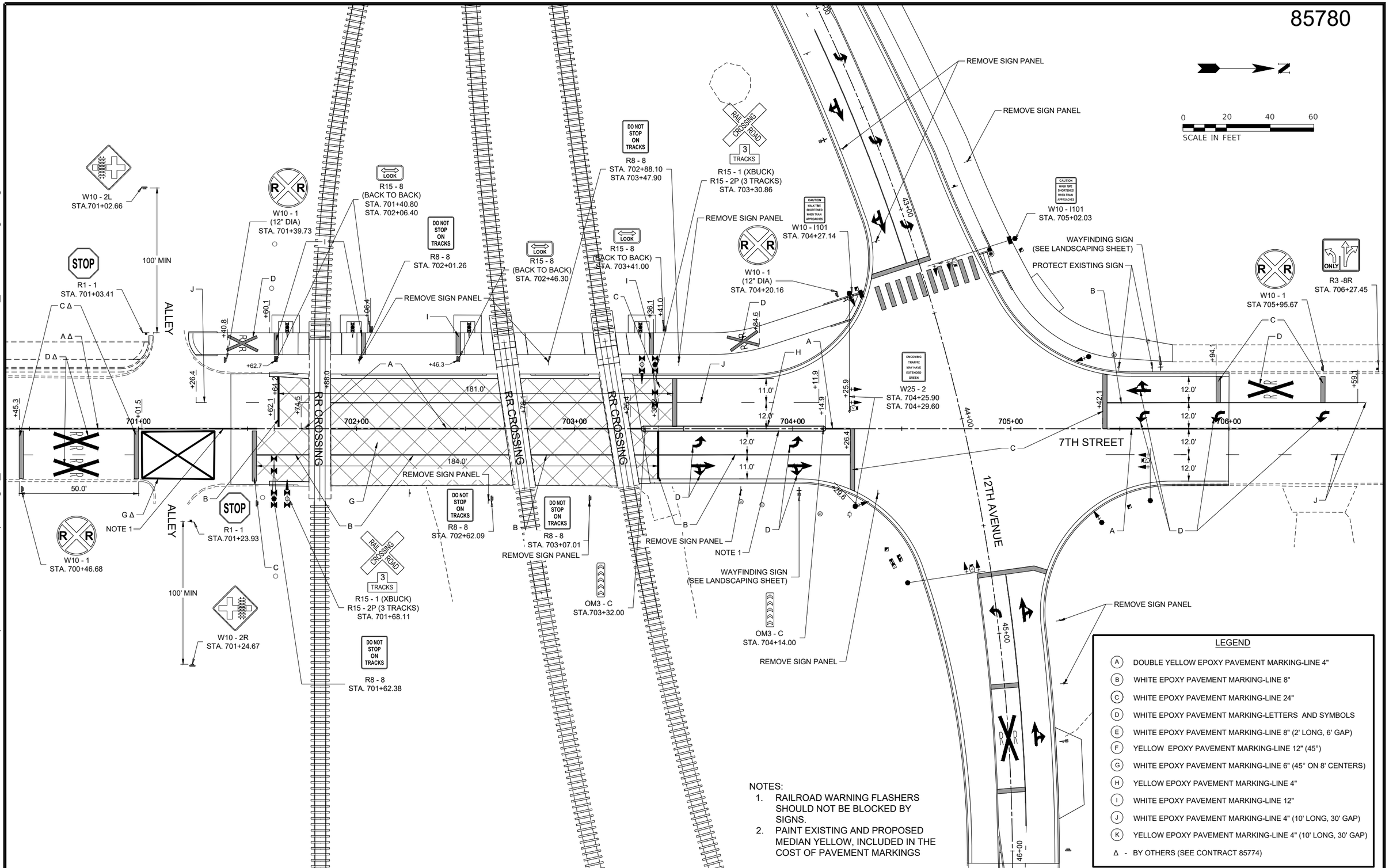


LEGEND

- (A) DOUBLE YELLOW EPOXY PAVEMENT MARKING-LINE 4"
- (B) WHITE EPOXY PAVEMENT MARKING-LINE 8"
- (C) WHITE EPOXY PAVEMENT MARKING-LINE 24"
- (D) WHITE EPOXY PAVEMENT MARKING-LETTERS AND SYMBOLS
- (E) WHITE EPOXY PAVEMENT MARKING-LINE 8" (2' LONG, 6' GAP)
- (F) YELLOW EPOXY PAVEMENT MARKING-LINE 12" (45°)
- (G) WHITE EPOXY PAVEMENT MARKING-LINE 6" (45° ON 8' CENTERS)
- (H) YELLOW EPOXY PAVEMENT MARKING-LINE 4"
- (I) WHITE EPOXY PAVEMENT MARKING-LINE 12"
- (J) WHITE EPOXY PAVEMENT MARKING-LINE 4" (10' LONG, 30' GAP)
- (K) YELLOW EPOXY PAVEMENT MARKING-LINE 4" (10' LONG, 30' GAP)

Z:\5201 - Downtown Reconstruction - PH I-II (CMT - East Moline)\Design_CADD\CADD Sheets\5201 - sht_Pvmt Markings.dwg

Hutchison Engineering, Inc.	DESIGNED BMP DATE- 10-29-25	12TH AVENUE RECONSTRUCTION	PAVEMENT MARKING & SIGNAGE PLANS
	DRAWN BMP	CITY OF EAST MOLINE	SHEET 123 OF 214
	CHECKED DJD		
	PROJECT #: 5201		



NOTES:
1. RAILROAD WARNING FLASHERS SHOULD NOT BE BLOCKED BY SIGNS.
2. PAINT EXISTING AND PROPOSED MEDIAN YELLOW, INCLUDED IN THE COST OF PAVEMENT MARKINGS

Z:\5201 - Downtown Reconstruction - PH I-II (CMT - East Moline)\Design_CADD\CADD Sheets\5201 - sht_Pvmt Markings.dwg

Hutchison Engineering, Inc.

DESIGNED	BMP	DATE- 10-29-25
DRAWN	BMP	
CHECKED	DJD	
PROJECT #:	5201	

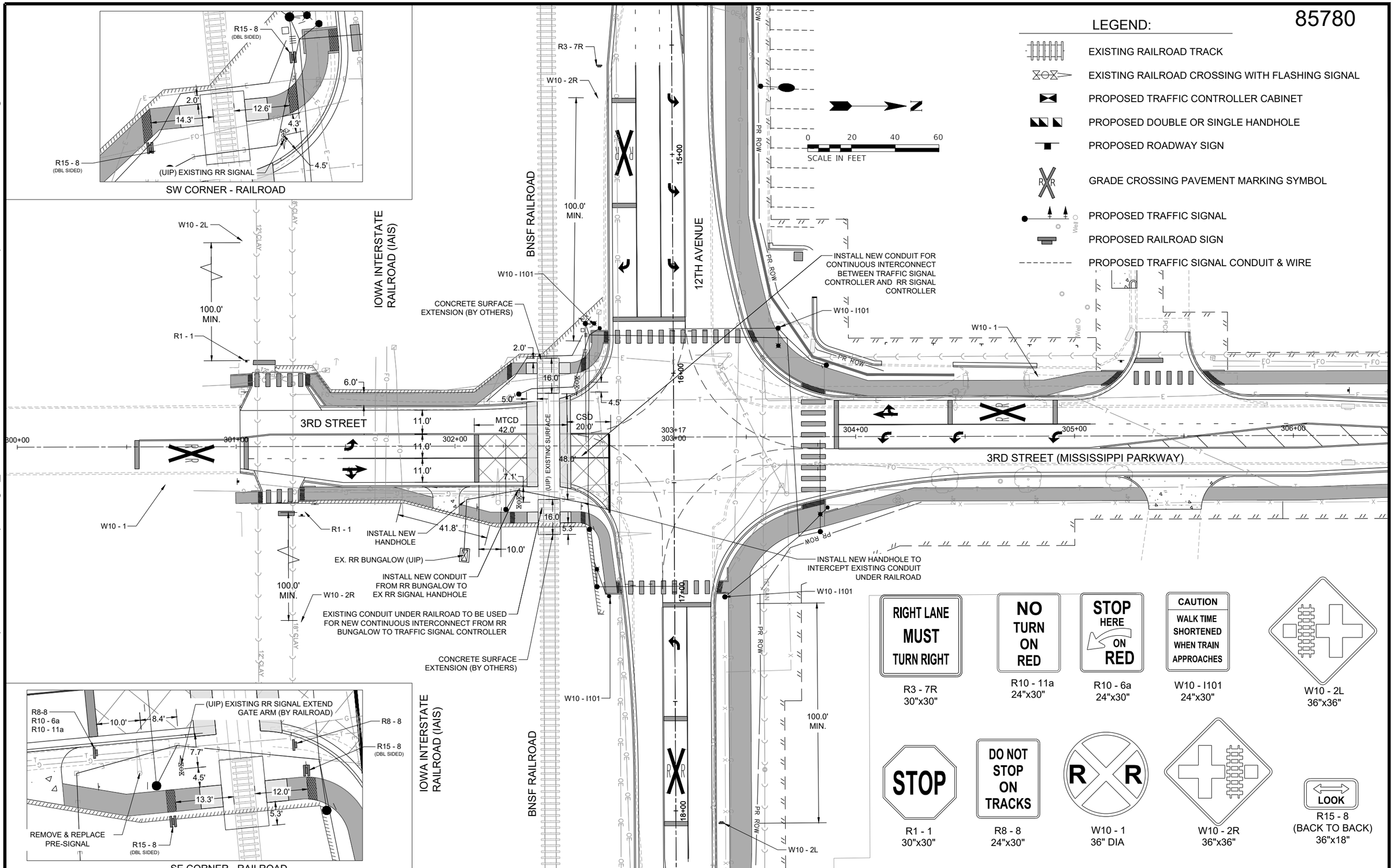
12TH AVENUE RECONSTRUCTION

CITY OF EAST MOLINE

PAVEMENT MARKING & SIGNAGE PLANS

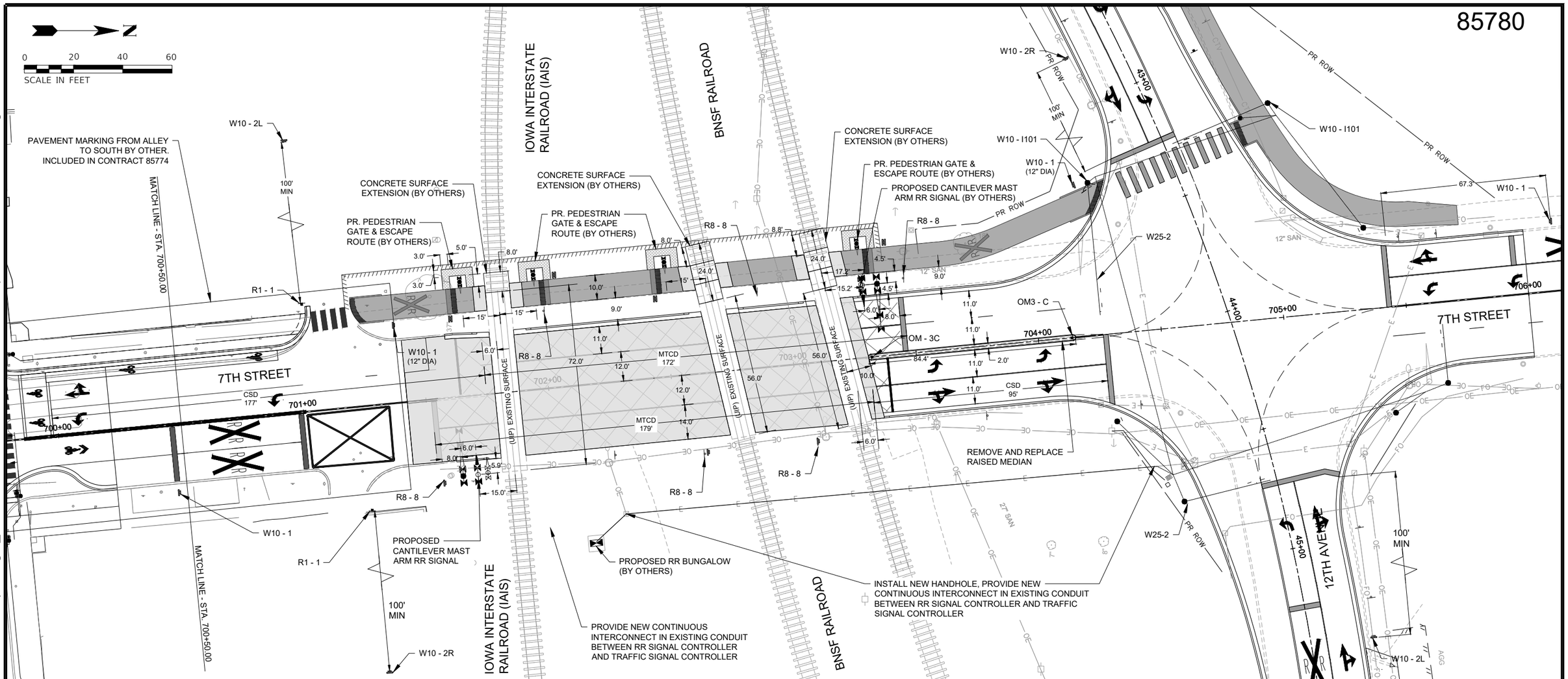
85780

Z:\5201 - Downtown Reconstruction - PH I-II (CMT - East Moline)\Design_CADD\CADD Sheets\Railroad\5201 - Proposed RailRoad exhibit.dwg



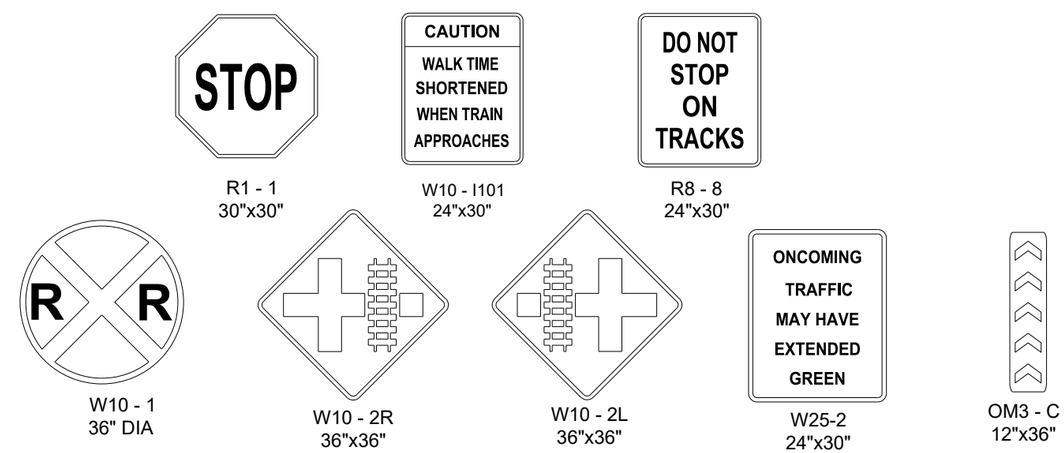
Hutchison Engineering, Inc.	DESIGNED BMP DATE- 10-29-25 DRAWN BMP CHECKED DJD PROJECT #: 5201	12TH AVENUE RECONSTRUCTION	CITY OF EAST MOLINE

RAILROAD DETAIL - 3RD STREET
USDOT #605935R / M.P. 175.76



LEGEND:

- EXISTING RAILROAD TRACK
- EXISTING RAILROAD CROSSING WITH FLASHING SIGNAL
- PROPOSED TRAFFIC CONTROLLER CABINET
- PROPOSED DOUBLE OR SINGLE HANDHOLE
- PROPOSED ROADWAY SIGN
- GRADE CROSSING PAVEMENT MARKING SYMBOL
- PROPOSED TRAFFIC SIGNAL
- PROPOSED RAILROAD SIGN
- PROPOSED TRAFFIC SIGNAL CONDUIT & WIRE



Z:\5201 - Downtown Reconstruction - PH I-II (CMT - East Moline)\Design_CADD\CADD Sheets\Railroad\5201 - Proposed RailRoad exhibit.dwg

Hutchison Engineering, Inc.	DESIGNED BMP DATE 10-29-25 DRAWN BMP CHECKED DJD PROJECT #: 5201	12TH AVENUE RECONSTRUCTION	CITY OF EAST MOLINE	RAILROAD DETAIL - 7TH STREET USDOT #605937E / M.P. 175.34	SHEET 126 OF 214

Z:\5201 - Downtown Reconstruction - PH I-II (CMT - East Moline)\Design_CADD\CADD Sheets\Railroad\5201 - Proposed RailRoad exhibit.dwg

N

0 20 40 60
SCALE IN FEET

LEGEND:

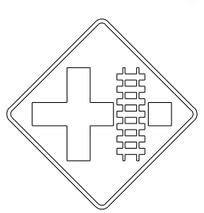
- EXISTING RAILROAD TRACK
- EXISTING RAILROAD CROSSING WITH FLASHING SIGNAL
- PROPOSED TRAFFIC CONTROLLER CABINET
- PROPOSED DOUBLE OR SINGLE HANDHOLE
- PROPOSED ROADWAY SIGN
- GRADE CROSSING PAVEMENT MARKING SYMBOL
- PROPOSED TRAFFIC SIGNAL
- PROPOSED RAILROAD SIGN
- PROPOSED TRAFFIC SIGNAL CONDUIT & WIRE
- Δ BY OTHERS (SEE CONTRACT 85774)

R1 - 1
30"x30"

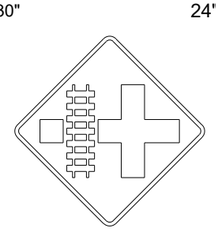
W10 - I101
24"x30"

R8 - 8
24"x30"

W10 - 1
36" DIA



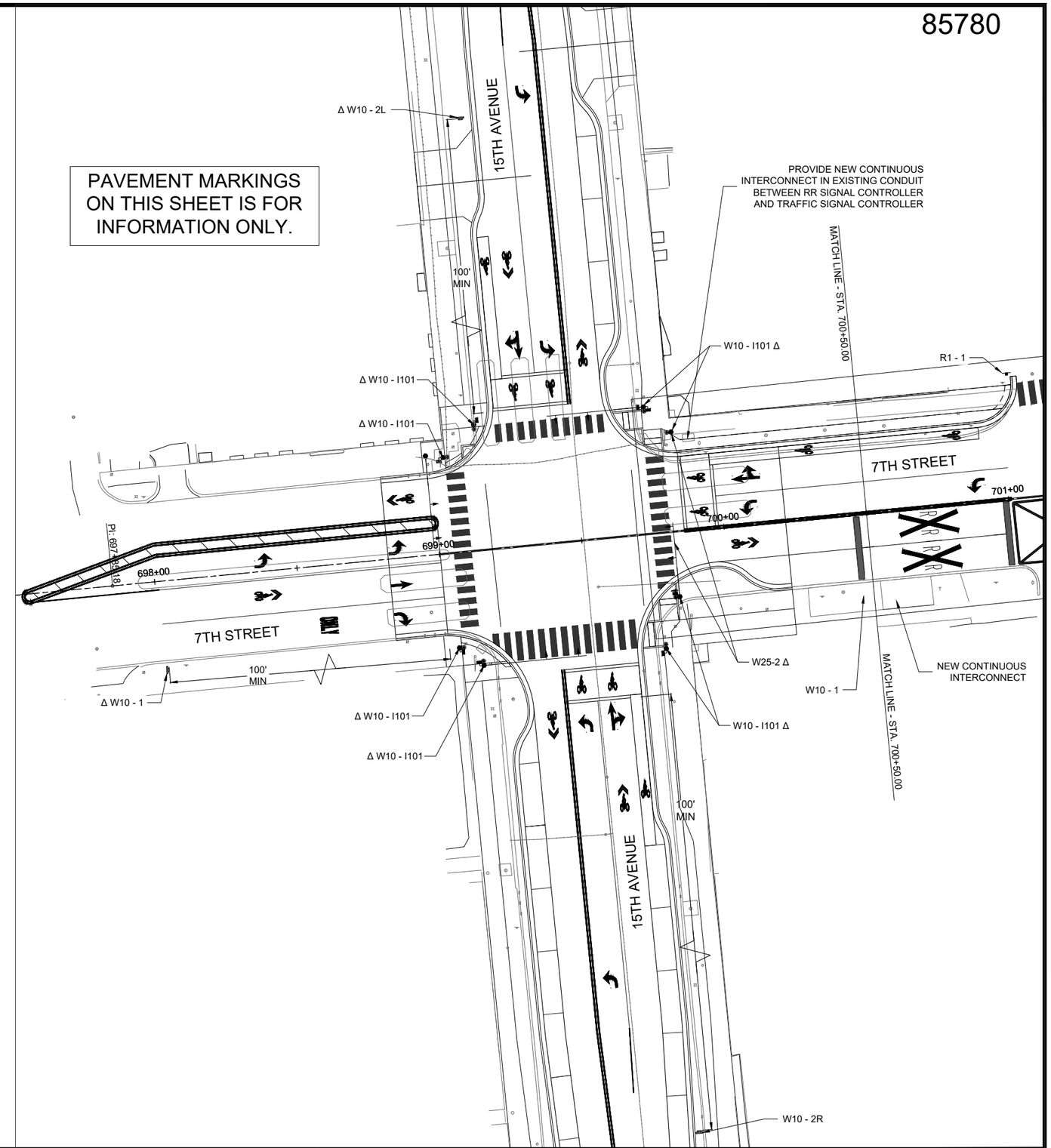
W10 - 2R
36"x36"



W10 - 2L
36"x36"

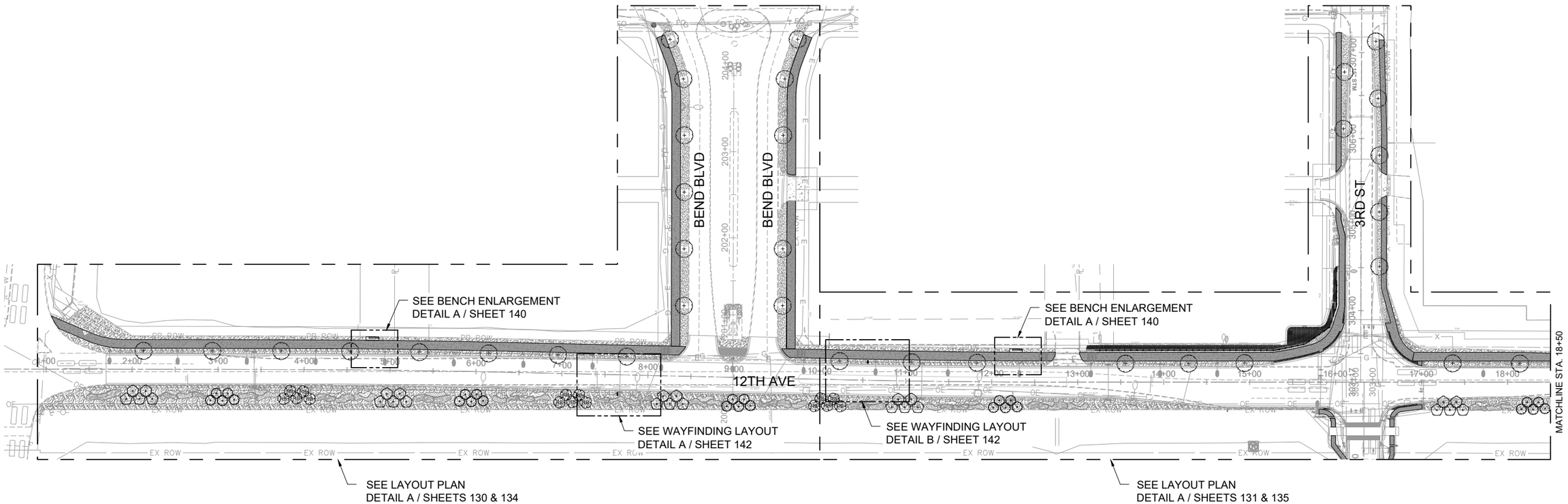
W25-2
24"x30"

PAVEMENT MARKINGS ON THIS SHEET IS FOR INFORMATION ONLY.



Hutchison Engineering, Inc.	DESIGNED BMP DATE- 10-29-25 DRAWN BMP CHECKED AM PROJECT #: 5201	12TH AVENUE RECONSTRUCTION	CITY OF EAST MOLINE

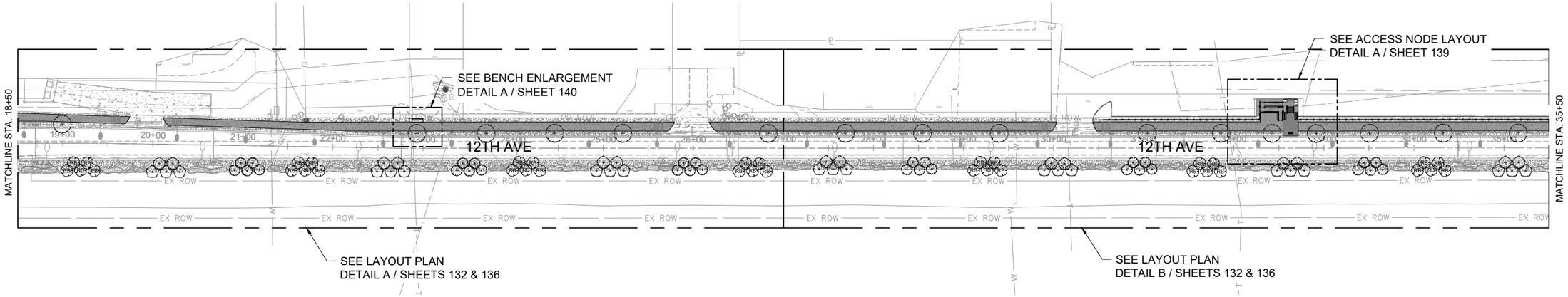
RAILROAD DETAIL - 7TH STREET
USDOT #605937E / M.P. 175.34



A LANDSCAPE KEY PLAN
SCALE: 1" = 60'

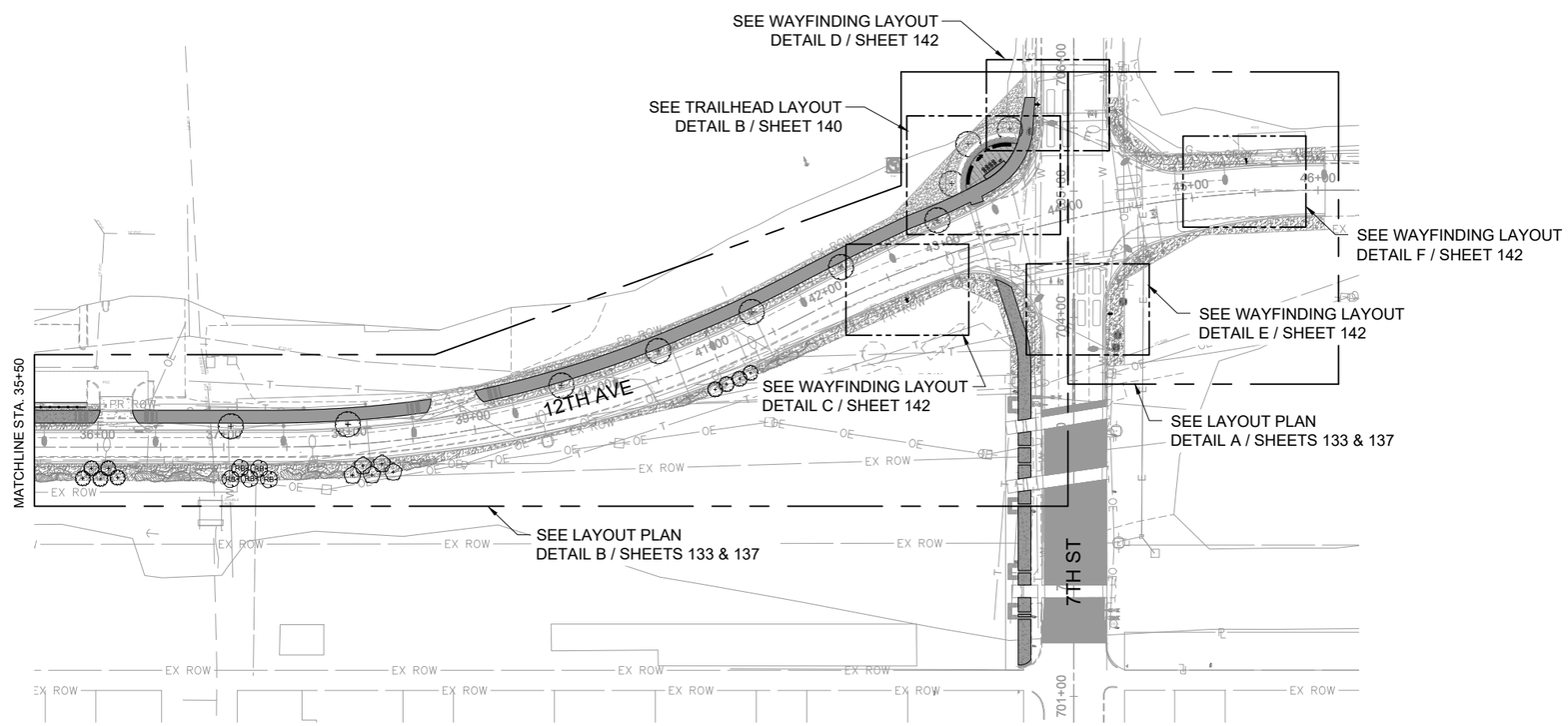
Graphic Scale: 1" = 60'
0' 30' 60' 120' 180'

SWI DESIGN	DESIGNED SR DATE 10/22/2025 DRAWN AV, WB CHECKED SR , TS PROJECT #: 21497	12TH AVENUE RECONSTRUCTION	CITY OF EAST MOLINE	LANDSCAPE PLAN RUST BELT STREETSCAPING



A LANDSCAPE KEY PLAN
SCALE: 1" = 60'

Graphic Scale: 1" = 60'
0' 30' 60' 120' 180'



B LANDSCAPE KEY PLAN
SCALE: 1" = 60'

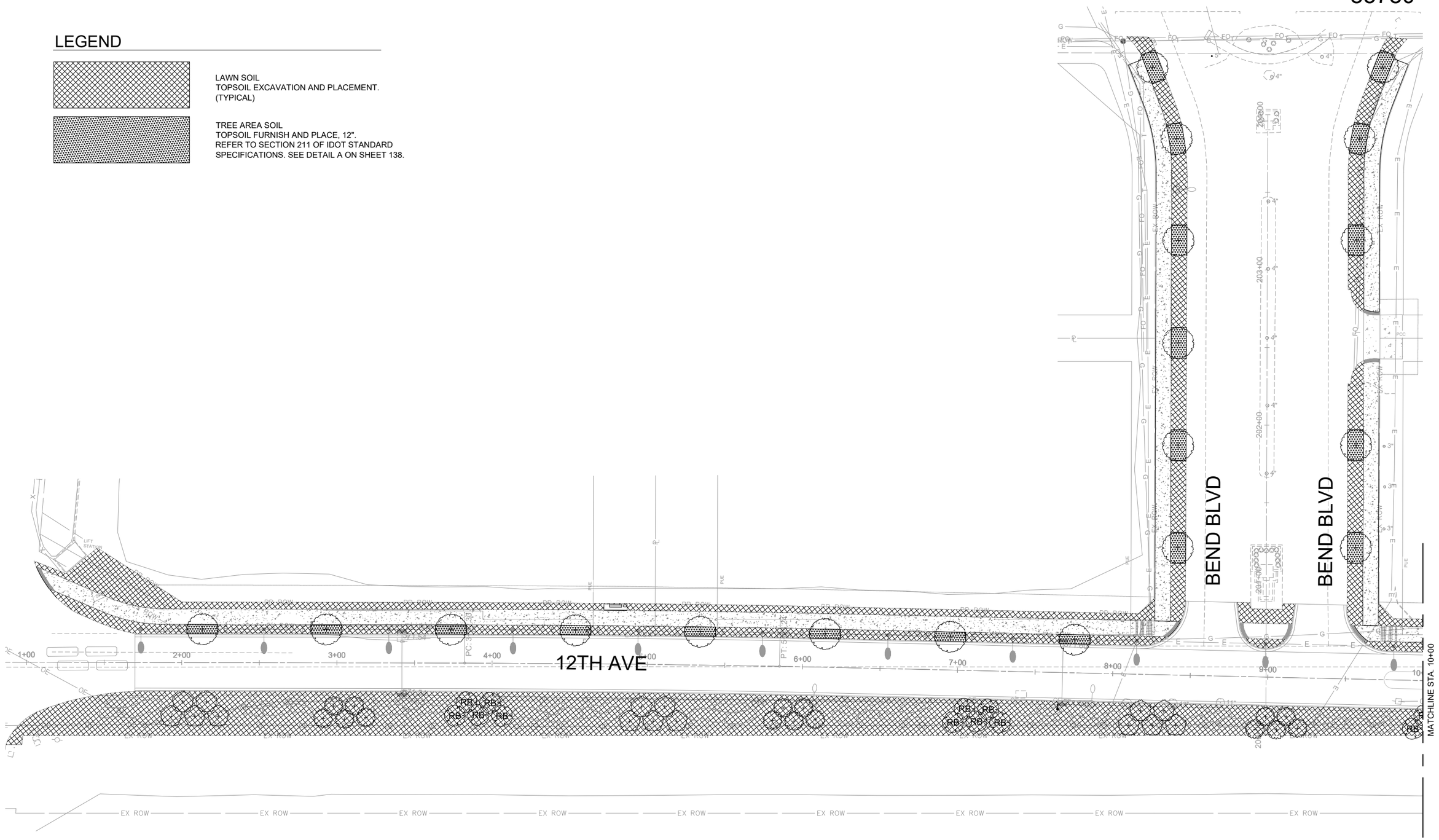
Graphic Scale: 1" = 60'
0' 30' 60' 120' 180'

SWI DESIGN	DESIGNED SR DATE 10/22/2025 DRAWN AV, WB CHECKED SR , TS PROJECT #: 21497	12TH AVENUE RECONSTRUCTION	CITY OF EAST MOLINE	LANDSCAPE PLAN RUST BELT STREETSCAPING	SHEET 129 OF 214

LEGEND

LAWN SOIL
TOPSOIL EXCAVATION AND PLACEMENT.
(TYPICAL)

TREE AREA SOIL
TOPSOIL FURNISH AND PLACE, 12".
REFER TO SECTION 211 OF IDOT STANDARD
SPECIFICATIONS. SEE DETAIL A ON SHEET 138.



A SOILS PLAN
SCALE: 1" = 30'

Graphic Scale: 1" = 30'
0' 15' 30' 60' 90'

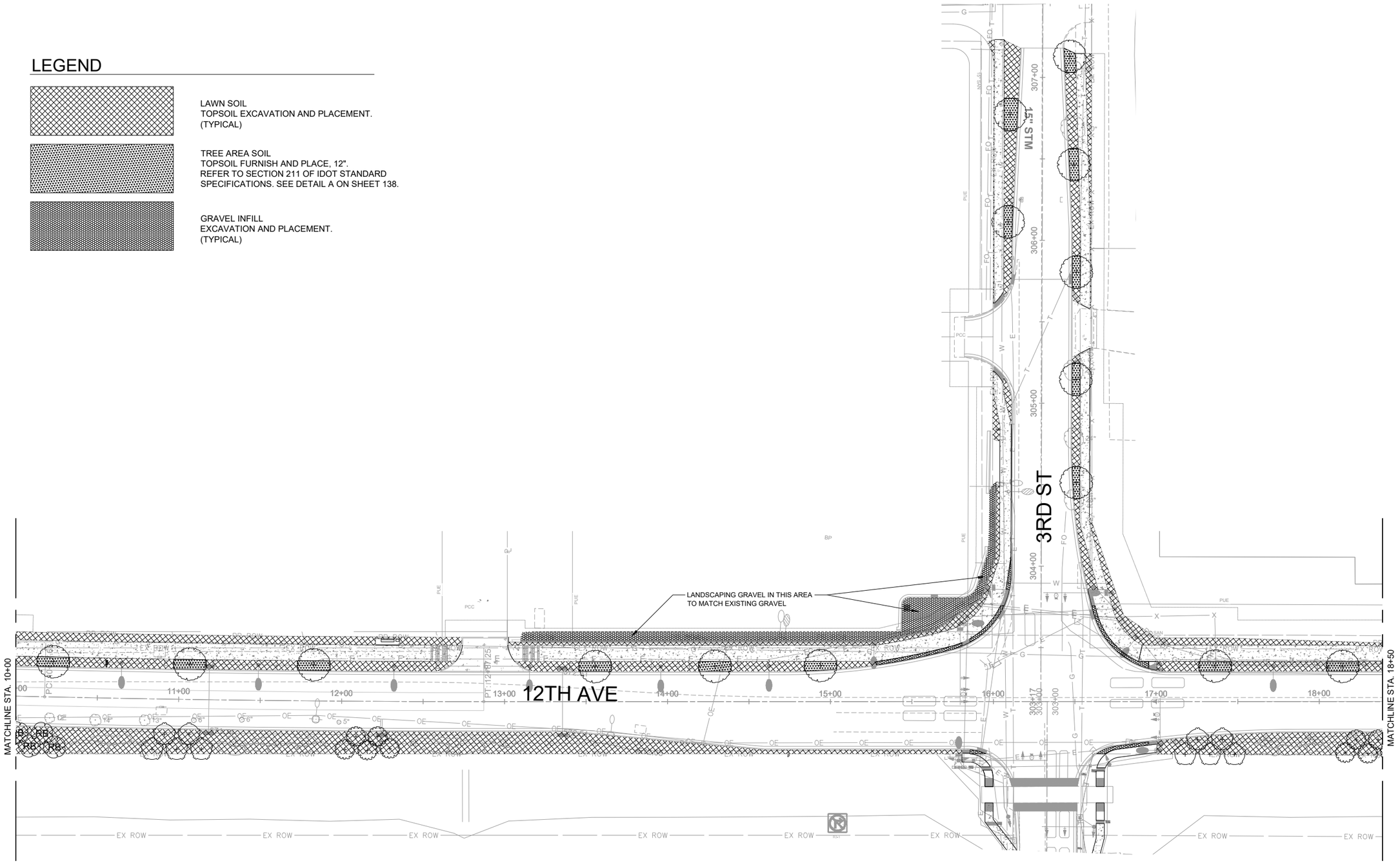
SWI DESIGN	DESIGNED SR DATE 10/22/2025 DRAWN AV, WB CHECKED SR , TS PROJECT #: 21497	12TH AVENUE RECONSTRUCTION	CITY OF EAST MOLINE	LANDSCAPE PLAN RUST BELT STREETSCAPING

LEGEND

LAWN SOIL
TOPSOIL EXCAVATION AND PLACEMENT.
(TYPICAL)

TREE AREA SOIL
TOPSOIL FURNISH AND PLACE, 12".
REFER TO SECTION 211 OF IDOT STANDARD
SPECIFICATIONS. SEE DETAIL A ON SHEET 138.

GRAVEL INFILL
EXCAVATION AND PLACEMENT.
(TYPICAL)



A SOILS PLAN
SCALE: 1" = 30'

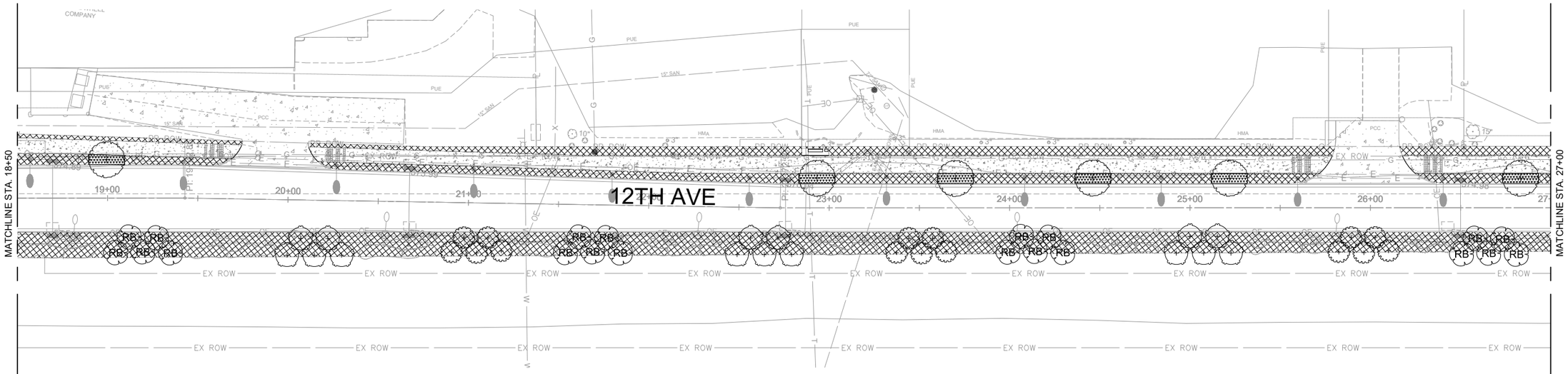
Graphic Scale: 1" = 30'
0' 15' 30' 60' 90'

SWI DESIGN	DESIGNED SR DATE 10/22/2025 DRAWN AV, WB CHECKED SR , TS PROJECT #: 21497	12TH AVENUE RECONSTRUCTION	CITY OF EAST MOLINE
LANDSCAPE PLAN RUST BELT STREETSCAPING	SHEET 131 OF 214		

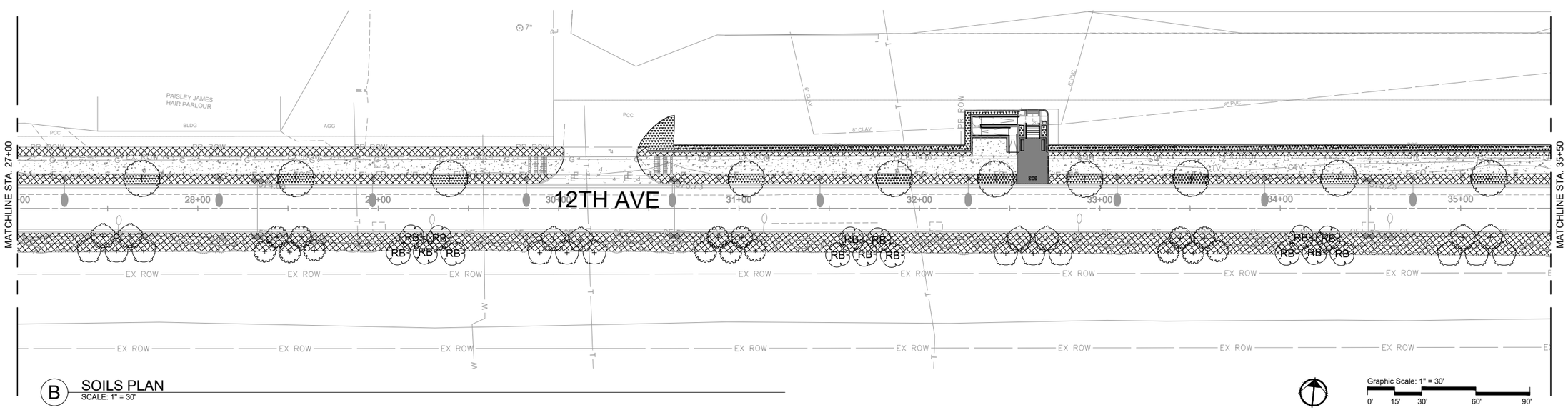
LEGEND

LAWN SOIL
TOPSOIL EXCAVATION AND PLACEMENT.
(TYPICAL)

TREE AREA SOIL
TOPSOIL FURNISH AND PLACE, 12".
REFER TO SECTION 211 OF IDOT STANDARD
SPECIFICATIONS. SEE DETAIL A ON SHEET 138.



A SOILS PLAN
SCALE: 1" = 30'



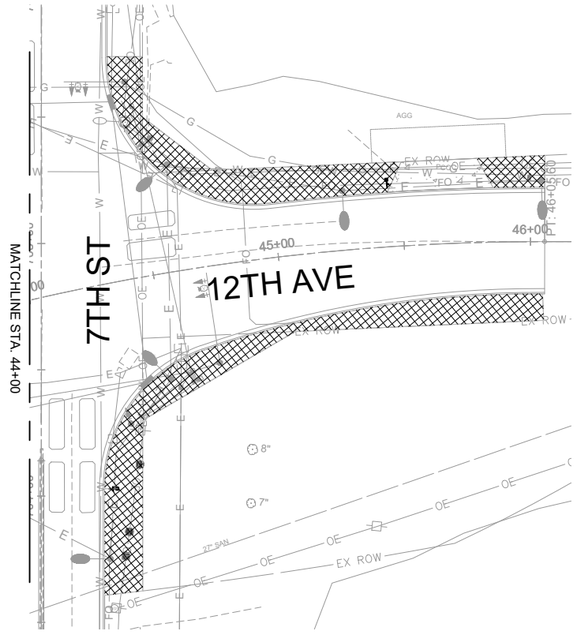
B SOILS PLAN
SCALE: 1" = 30'

SWI DESIGN	DESIGNED SR DATE 10/22/2025 DRAWN AV, WB CHECKED SR , TS PROJECT #: 21497	12TH AVENUE RECONSTRUCTION	CITY OF EAST MOLINE	LANDSCAPE PLAN RUST BELT STREETSCAPING	SHEET 132 OF 214

LEGEND

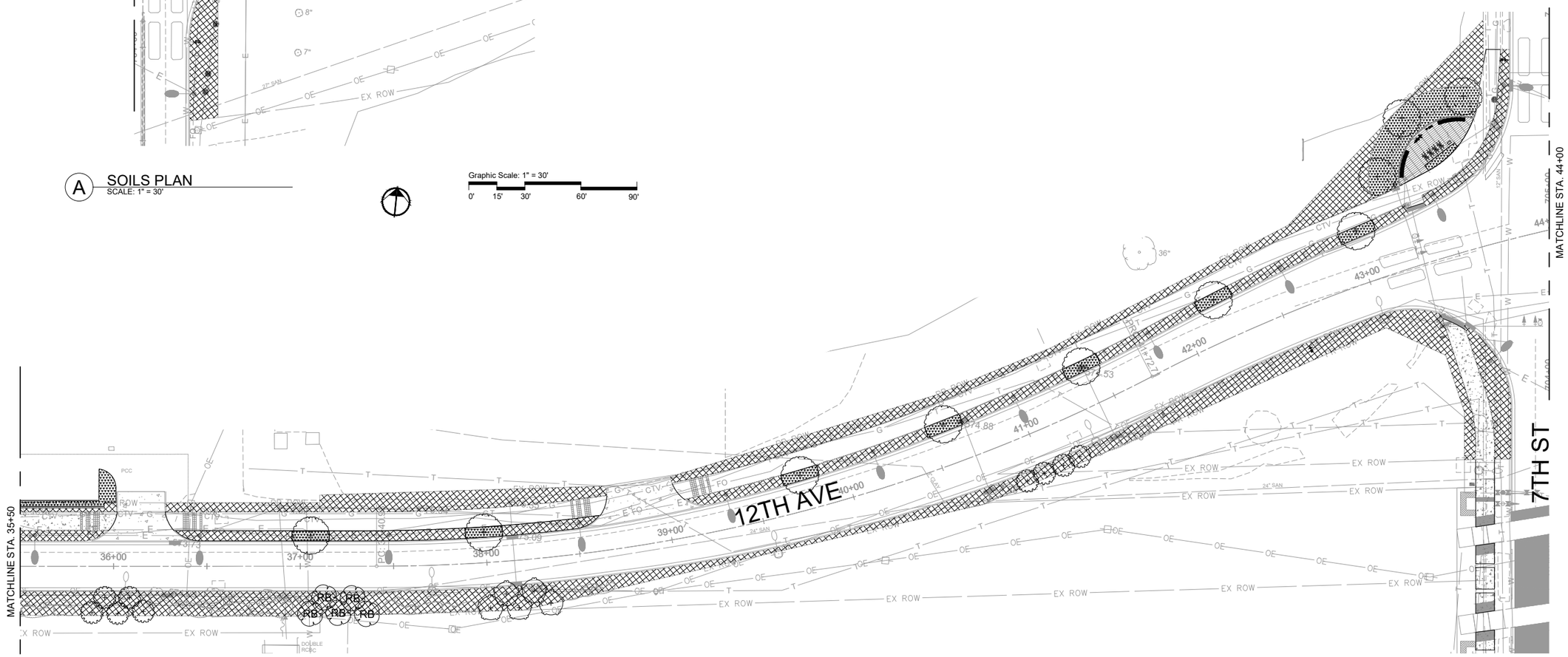
LAWN SOIL
TOPSOIL EXCAVATION AND PLACEMENT.
(TYPICAL)

TREE AREA SOIL
TOPSOIL FURNISH AND PLACE, 12".
REFER TO SECTION 211 OF IDOT STANDARD
SPECIFICATIONS. SEE DETAIL A ON SHEET 138.



A SOILS PLAN
SCALE: 1" = 30'

Graphic Scale: 1" = 30'
0' 15' 30' 60' 90'



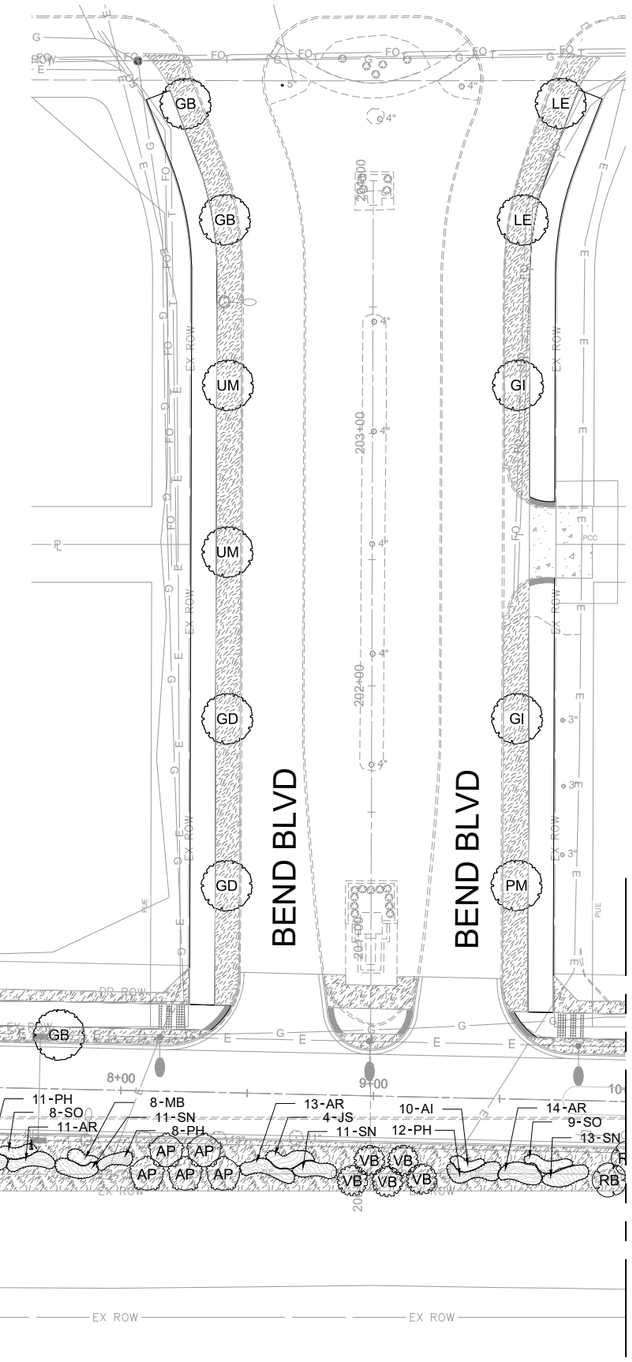
B SOILS PLAN
SCALE: 1" = 30'

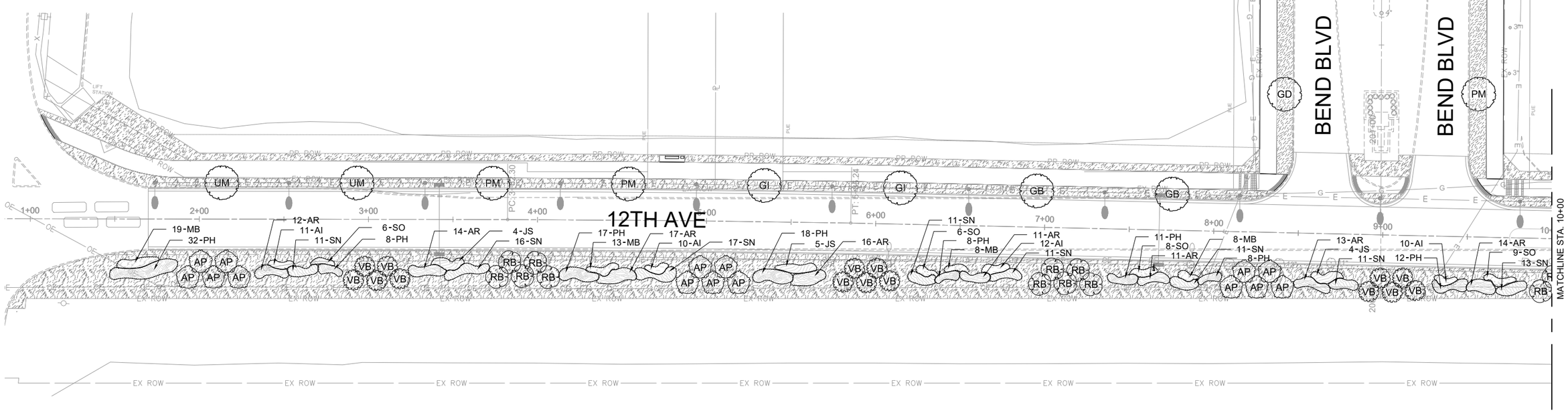
Graphic Scale: 1" = 30'
0' 15' 30' 60' 90'

SWI DESIGN	DESIGNED SR DATE 10/22/2025 DRAWN AV, WB CHECKED SR , TS PROJECT #: 21497	12TH AVENUE RECONSTRUCTION	CITY OF EAST MOLINE	LANDSCAPE PLAN RUST BELT STREETSCAPING

PLANT SCHEDULE

CODE	BOTANICAL NAME	COMMON NAME	SPACING	SIZE	COMMENTS
TREES					
AP	Aesculus pavia	Red Buckeye	As Shown	6` Ht.	Per Details, B&B
GB	Ginkgo biloba 'Princeton Sentry'	Princeton Sentry® Maidenhair Tree	As Shown	3"Cal	PER DETAILS, B&B; 5` CLEAR TRUNK
GD	Gymnocladus dioicus 'Espresso-JFS'	Kentucky Coffeetree	As Shown	3"Cal	PER DETAILS, B&B; 5` CLEAR TRUNK
GI	Gleditsia triacanthos inermis `Impcole`	Imperial® Honey Locust	As Shown	3"Cal	PER DETAILS, B&B; 5` CLEAR TRUNK
LE	Liriodendron tulipifera `JFS-Oz`	Emerald City® Tulip Poplar	As Shown	3"Cal	PER DETAILS, B&B; 5` CLEAR TRUNK
PM	Platanus x acerifolia 'Morton Circle'	Exclamation!™ London Plane Tree	As Shown	3"Cal	PER DETAILS, B&B; 5` CLEAR TRUNK
RB	Rhus typhina `Bailtiger`	Tiger Eyes® Staghorn Sumac	As Shown	3"Cal	PER DETAILS, B&B; 5` CLEAR TRUNK
UM	Ulmus davidiana japonica 'Morton'	Accolade® Elm	As Shown	3"Cal	PER DETAILS, B&B; 5` CLEAR TRUNK
VB	Viburnum prunifolium	Blackhaw Viburnum	As Shown	6` Ht.	Per Details, B&B
SHRUBS					
JX	Juniperus x 'Grey Owl'	Grey Owl Juniper	4` O.C.	#5	Per Details, Cont.
MS	Miscanthus sinensis 'Adagio'	Adagio Eulalia Grass	4` O.C.	#5	Per Details, Cont.
SHRUB AREAS					
AI	Amsonia illustris	Ozark Bluestar	30" O.C.	#1	Per Details, Cont.
AR	Andropogon gerardii 'Red October'	Red October Big Bluestem	36" O.C.	#1	Per Details, Cont.
JS	Juniperus x pfitzeriana 'Sea Green'	Sea Green Pfitzer Juniper	60" O.C.	#5	Per Details, Cont.
MB	Monarda bradburiana	Eastern Bee Balm	30" O.C.	#1	Per Details, Cont.
PH	Panicum virgatum 'Heavy Metal'	Heavy Metal Switch Grass	36" O.C.	#1	Per Details, Cont.
SN	Sorghastrum nutans	Indian Grass	36" O.C.	#1	Per Details, Cont.
SO	Symphyotrichum oblongifolium	Fall Aster	36" O.C.	#1	Per Details, Cont.
	PERENNIAL GROUP				
AT	Asclepias tuberosa	Butterfly Milkweed	18" O.C.	#1	Per Details, Cont.
BP	Baptisia australis	Blue Wild Indigo	30" O.C.	#1	Per Details, Cont.
RH	Rudbeckia hirta	Black-eyed Susan	18" O.C.	#1	Per Details, Cont.
SS	Schizachyrium scoparium	Little Bluestem	24" O.C.	#1	Per Details, Cont.
SYMBOL	BOTANICAL NAME	COMMON NAME			
SEED					
	Turf Seed - IDOT Class 2A	Drought Tolerant Fescue Blend			





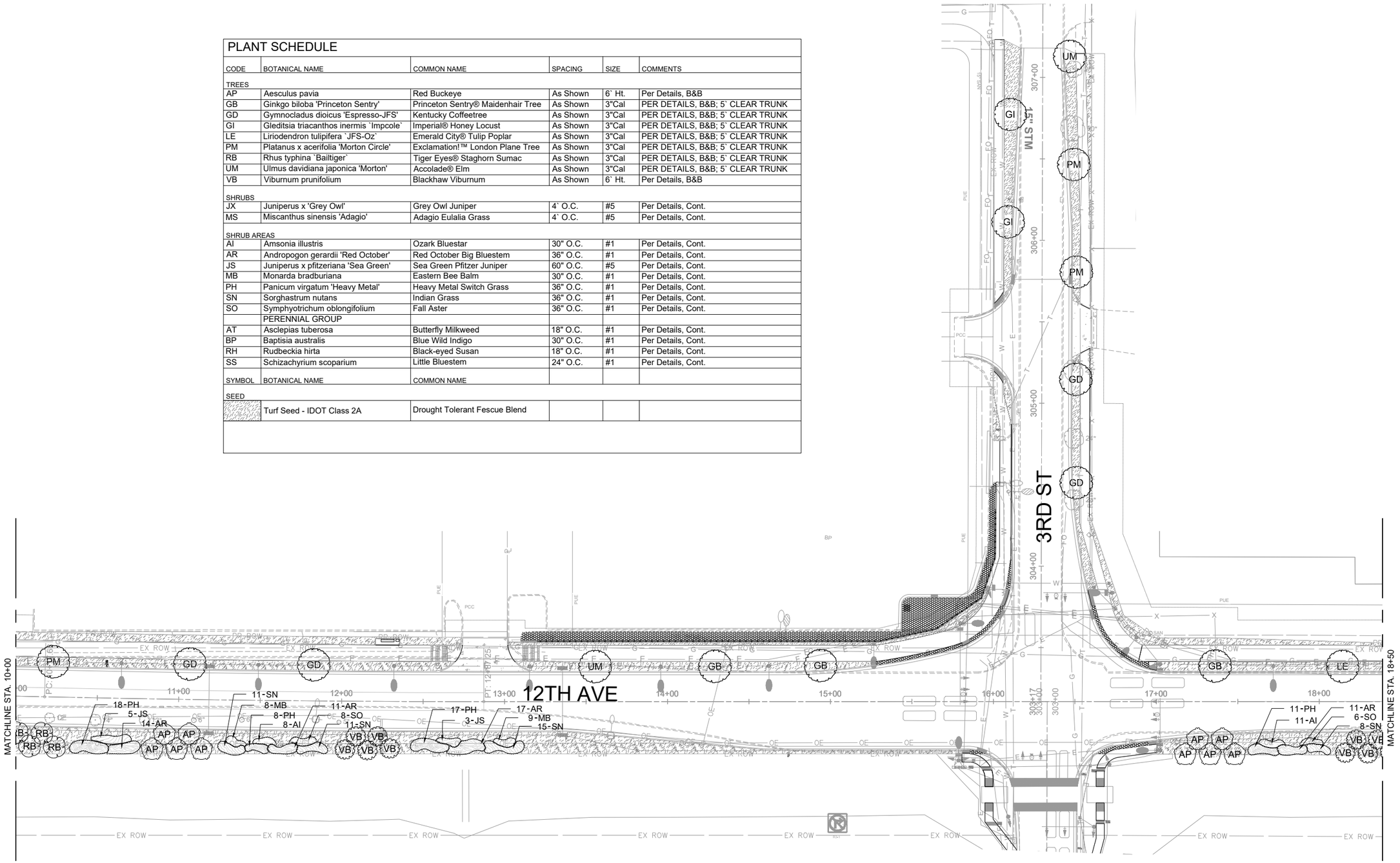
A PLANTING PLAN
SCALE: 1" = 30'

Graphic Scale: 1" = 30'
0' 15' 30' 60' 90'

SWI DESIGN	DESIGNED SR DATE 10/22/2025 DRAWN AV, WB CHECKED SR , TS PROJECT #: 21497	12TH AVENUE RECONSTRUCTION	CITY OF EAST MOLINE	LANDSCAPE PLAN RUST BELT STREETSCAPING	SHEET 134 OF 214

PLANT SCHEDULE

CODE	BOTANICAL NAME	COMMON NAME	SPACING	SIZE	COMMENTS
TREES					
AP	Aesculus pavia	Red Buckeye	As Shown	6` Ht.	Per Details, B&B
GB	Ginkgo biloba 'Princeton Sentry'	Princeton Sentry® Maidenhair Tree	As Shown	3"Cal	PER DETAILS, B&B; 5` CLEAR TRUNK
GD	Gymnocladus dioicus 'Espresso-JFS'	Kentucky Coffeetree	As Shown	3"Cal	PER DETAILS, B&B; 5` CLEAR TRUNK
GI	Gleditsia triacanthos inermis `Impcole`	Imperial® Honey Locust	As Shown	3"Cal	PER DETAILS, B&B; 5` CLEAR TRUNK
LE	Liriodendron tulipifera `JFS-Oz`	Emerald City® Tulip Poplar	As Shown	3"Cal	PER DETAILS, B&B; 5` CLEAR TRUNK
PM	Platanus x acerifolia 'Morton Circle'	Exclamation!™ London Plane Tree	As Shown	3"Cal	PER DETAILS, B&B; 5` CLEAR TRUNK
RB	Rhus typhina `Bailtiger`	Tiger Eyes® Staghorn Sumac	As Shown	3"Cal	PER DETAILS, B&B; 5` CLEAR TRUNK
UM	Ulmus davidiana japonica 'Morton'	Accolade® Elm	As Shown	3"Cal	PER DETAILS, B&B; 5` CLEAR TRUNK
VB	Viburnum prunifolium	Blackhaw Viburnum	As Shown	6` Ht.	Per Details, B&B
SHRUBS					
JX	Juniperus x 'Grey Owl'	Grey Owl Juniper	4` O.C.	#5	Per Details, Cont.
MS	Miscanthus sinensis 'Adagio'	Adagio Eulalia Grass	4` O.C.	#5	Per Details, Cont.
SHRUB AREAS					
AI	Amsonia illustris	Ozark Bluestar	30" O.C.	#1	Per Details, Cont.
AR	Andropogon gerardii 'Red October'	Red October Big Bluestem	36" O.C.	#1	Per Details, Cont.
JS	Juniperus x pfitzeriana 'Sea Green'	Sea Green Pfitzer Juniper	60" O.C.	#5	Per Details, Cont.
MB	Monarda bradburiana	Eastern Bee Balm	30" O.C.	#1	Per Details, Cont.
PH	Panicum virgatum 'Heavy Metal'	Heavy Metal Switch Grass	36" O.C.	#1	Per Details, Cont.
SN	Sorghastrum nutans	Indian Grass	36" O.C.	#1	Per Details, Cont.
SO	Symphyotrichum oblongifolium	Fall Aster	36" O.C.	#1	Per Details, Cont.
	PERENNIAL GROUP				
AT	Asclepias tuberosa	Butterfly Milkweed	18" O.C.	#1	Per Details, Cont.
BP	Baptisia australis	Blue Wild Indigo	30" O.C.	#1	Per Details, Cont.
RH	Rudbeckia hirta	Black-eyed Susan	18" O.C.	#1	Per Details, Cont.
SS	Schizachyrium scoparium	Little Bluestem	24" O.C.	#1	Per Details, Cont.
SYMBOL	BOTANICAL NAME	COMMON NAME			
SEED					
	Turf Seed - IDOT Class 2A	Drought Tolerant Fescue Blend			



A PLANTING PLAN
SCALE: 1" = 30'

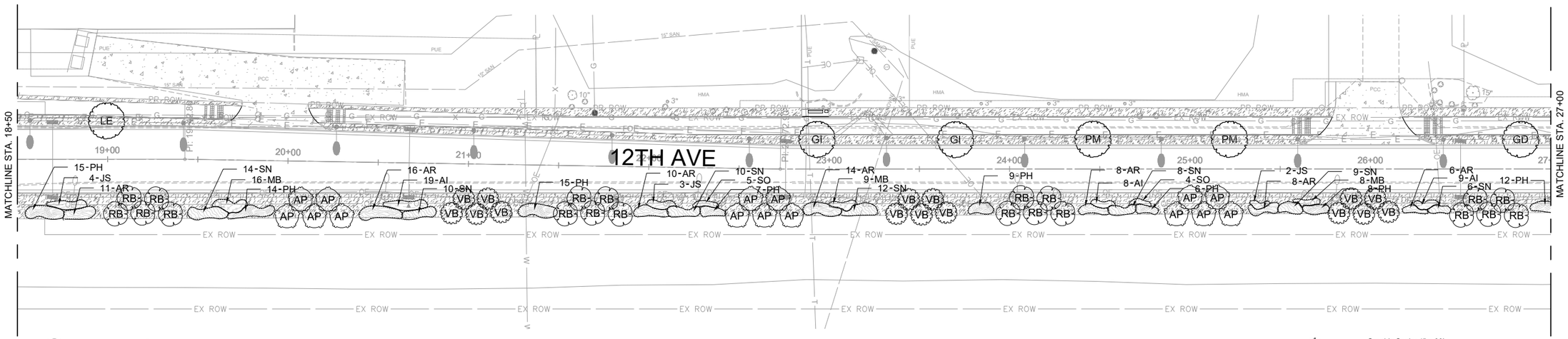
Graphic Scale: 1" = 30'
0' 15' 30' 60' 90'

SWI DESIGN	DESIGNED SR DATE 10/22/2025 DRAWN AV, WB CHECKED SR , TS PROJECT #: 21497	12TH AVENUE RECONSTRUCTION	CITY OF EAST MOLINE	LANDSCAPE PLAN RUST BELT STREETSCAPING

PLANT SCHEDULE

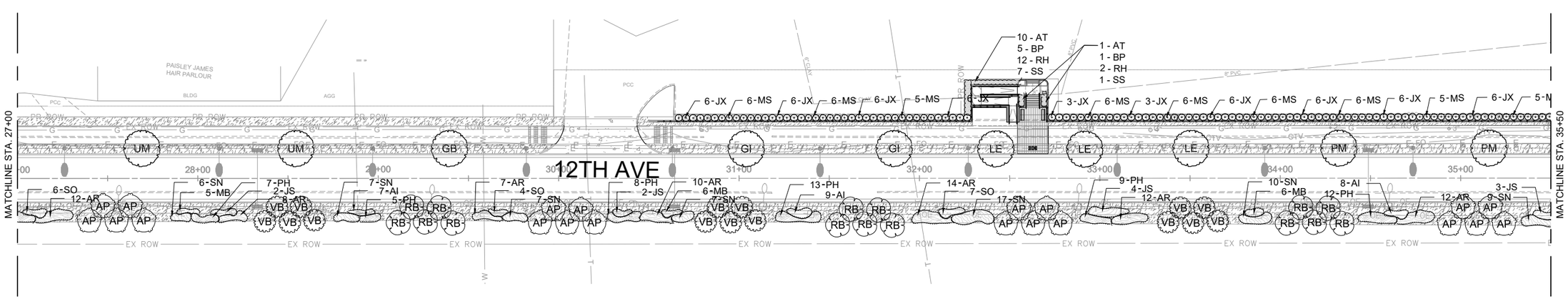
CODE	BOTANICAL NAME	COMMON NAME	SPACING	SIZE	COMMENTS
TREES					
AP	Aesculus pavia	Red Buckeye	As Shown	6` Ht.	Per Details, B&B
GB	Ginkgo biloba 'Princeton Sentry'	Princeton Sentry® Maidenhair Tree	As Shown	3"Cal	PER DETAILS, B&B; 5` CLEAR TRUNK
GD	Gymnocladus dioicus 'Espresso-JFS'	Kentucky Coffeetree	As Shown	3"Cal	PER DETAILS, B&B; 5` CLEAR TRUNK
GI	Gleditsia triacanthos inermis `Impcole`	Imperial® Honey Locust	As Shown	3"Cal	PER DETAILS, B&B; 5` CLEAR TRUNK
LE	Liriodendron tulipifera `JFS-Oz`	Emerald City® Tulip Poplar	As Shown	3"Cal	PER DETAILS, B&B; 5` CLEAR TRUNK
PM	Platanus x acerifolia 'Morton Circle'	Exclamation!™ London Plane Tree	As Shown	3"Cal	PER DETAILS, B&B; 5` CLEAR TRUNK
RB	Rhus typhina `Bailtiger`	Tiger Eyes® Staghorn Sumac	As Shown	3"Cal	PER DETAILS, B&B; 5` CLEAR TRUNK
UM	Ulmus davidiana japonica 'Morton'	Accolade® Elm	As Shown	3"Cal	PER DETAILS, B&B; 5` CLEAR TRUNK
VB	Viburnum prunifolium	Blackhaw Viburnum	As Shown	6` Ht.	Per Details, B&B
SHRUBS					
JX	Juniperus x 'Grey Owl'	Grey Owl Juniper	4` O.C.	#5	Per Details, Cont.
MS	Miscanthus sinensis 'Adagio'	Adagio Eulalia Grass	4` O.C.	#5	Per Details, Cont.
SHRUB AREAS					
AI	Amsonia illustris	Ozark Bluestar	30" O.C.	#1	Per Details, Cont.
AR	Andropogon gerardii 'Red October'	Red October Big Bluestem	36" O.C.	#1	Per Details, Cont.

CODE	BOTANICAL NAME	COMMON NAME	SPACING	SIZE	COMMENTS
JS	Juniperus x pfitzeriana 'Sea Green'	Sea Green Pfitzer Juniper	60" O.C.	#5	Per Details, Cont.
MB	Monarda bradburiana	Eastern Bee Balm	30" O.C.	#1	Per Details, Cont.
PH	Panicum virgatum 'Heavy Metal'	Heavy Metal Switch Grass	36" O.C.	#1	Per Details, Cont.
SN	Sorghastrum nutans	Indian Grass	36" O.C.	#1	Per Details, Cont.
SO	Symphyotrichum oblongifolium	Fall Aster	36" O.C.	#1	Per Details, Cont.
	PERENNIAL GROUP				
AT	Asclepias tuberosa	Butterfly Milkweed	18" O.C.	#1	Per Details, Cont.
BP	Baptisia australis	Blue Wild Indigo	30" O.C.	#1	Per Details, Cont.
RH	Rudbeckia hirta	Black-eyed Susan	18" O.C.	#1	Per Details, Cont.
SS	Schizachyrium scoparium	Little Bluestem	24" O.C.	#1	Per Details, Cont.
SYMBOL	BOTANICAL NAME	COMMON NAME			
SEED					
	Turf Seed - IDOT Class 2A	Drought Tolerant Fescue Blend			



A PLANTING PLAN
SCALE: 1" = 30'

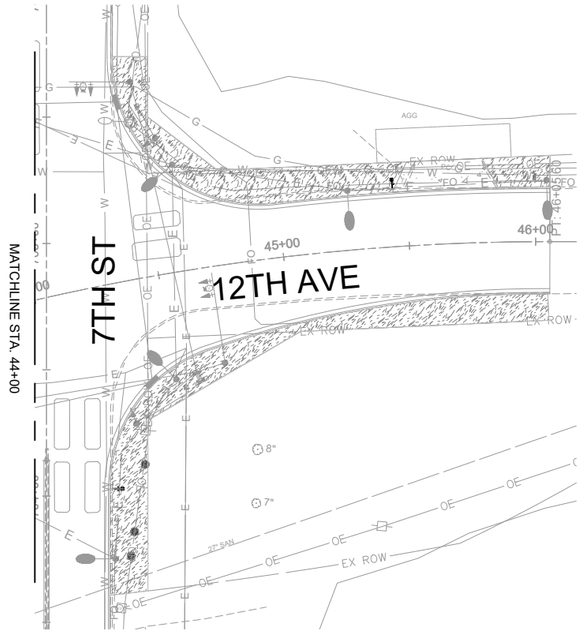
Graphic Scale: 1" = 30'
0' 15' 30' 60' 90'



B PLANTING PLAN
SCALE: 1" = 30'

Graphic Scale: 1" = 30'
0' 15' 30' 60' 90'

SWI DESIGN	DESIGNED SR DATE 10/22/2025 DRAWN AV, WB CHECKED SR , TS PROJECT #: 21497	12TH AVENUE RECONSTRUCTION	CITY OF EAST MOLINE
LANDSCAPE PLAN RUST BELT STREETSCAPING	SHEET 136 OF 214		



A PLANTING PLAN
SCALE: 1" = 30'

Graphic Scale: 1" = 30'
0' 15' 30' 60' 90'

PLANT SCHEDULE

CODE	BOTANICAL NAME	COMMON NAME	SPACING	SIZE	COMMENTS
TREES					
AP	Aesculus pavia	Red Buckeye	As Shown	6` Ht.	Per Details, B&B
GB	Ginkgo biloba 'Princeton Sentry'	Princeton Sentry® Maidenhair Tree	As Shown	3"Cal	PER DETAILS, B&B; 5` CLEAR TRUNK
GD	Gymnocladus dioicus 'Espresso-JFS'	Kentucky Coffeetree	As Shown	3"Cal	PER DETAILS, B&B; 5` CLEAR TRUNK
GI	Gleditsia triacanthos inermis `Impcole`	Imperial® Honey Locust	As Shown	3"Cal	PER DETAILS, B&B; 5` CLEAR TRUNK
LE	Liriodendron tulipifera `JFS-Oz`	Emerald City® Tulip Poplar	As Shown	3"Cal	PER DETAILS, B&B; 5` CLEAR TRUNK
PM	Platanus x acerifolia 'Morton Circle'	Exclamation!™ London Plane Tree	As Shown	3"Cal	PER DETAILS, B&B; 5` CLEAR TRUNK
RB	Rhus typhina `Bailtiger`	Tiger Eyes® Staghorn Sumac	As Shown	3"Cal	PER DETAILS, B&B; 5` CLEAR TRUNK
UM	Ulmus davidiana japonica 'Morton'	Accolade® Elm	As Shown	3"Cal	PER DETAILS, B&B; 5` CLEAR TRUNK
VB	Viburnum prunifolium	Blackhaw Viburnum	As Shown	6` Ht.	Per Details, B&B
SHRUBS					
JX	Juniperus x 'Grey Owl'	Grey Owl Juniper	4` O.C.	#5	Per Details, Cont.
MS	Miscanthus sinensis 'Adagio'	Adagio Eulalia Grass	4` O.C.	#5	Per Details, Cont.
SHRUB AREAS					
AI	Amsonia illustris	Ozark Bluestar	30" O.C.	#1	Per Details, Cont.
AR	Andropogon gerardii 'Red October'	Red October Big Bluestem	36" O.C.	#1	Per Details, Cont.
JS	Juniperus x pfitzeriana 'Sea Green'	Sea Green Pfitzer Juniper	60" O.C.	#5	Per Details, Cont.
MB	Monarda bradburiana	Eastern Bee Balm	30" O.C.	#1	Per Details, Cont.
PH	Panicum virgatum 'Heavy Metal'	Heavy Metal Switch Grass	36" O.C.	#1	Per Details, Cont.
SN	Sorghastrum nutans	Indian Grass	36" O.C.	#1	Per Details, Cont.
SO	Symphyotrichum oblongifolium	Fall Aster	36" O.C.	#1	Per Details, Cont.
	PERENNIAL GROUP				
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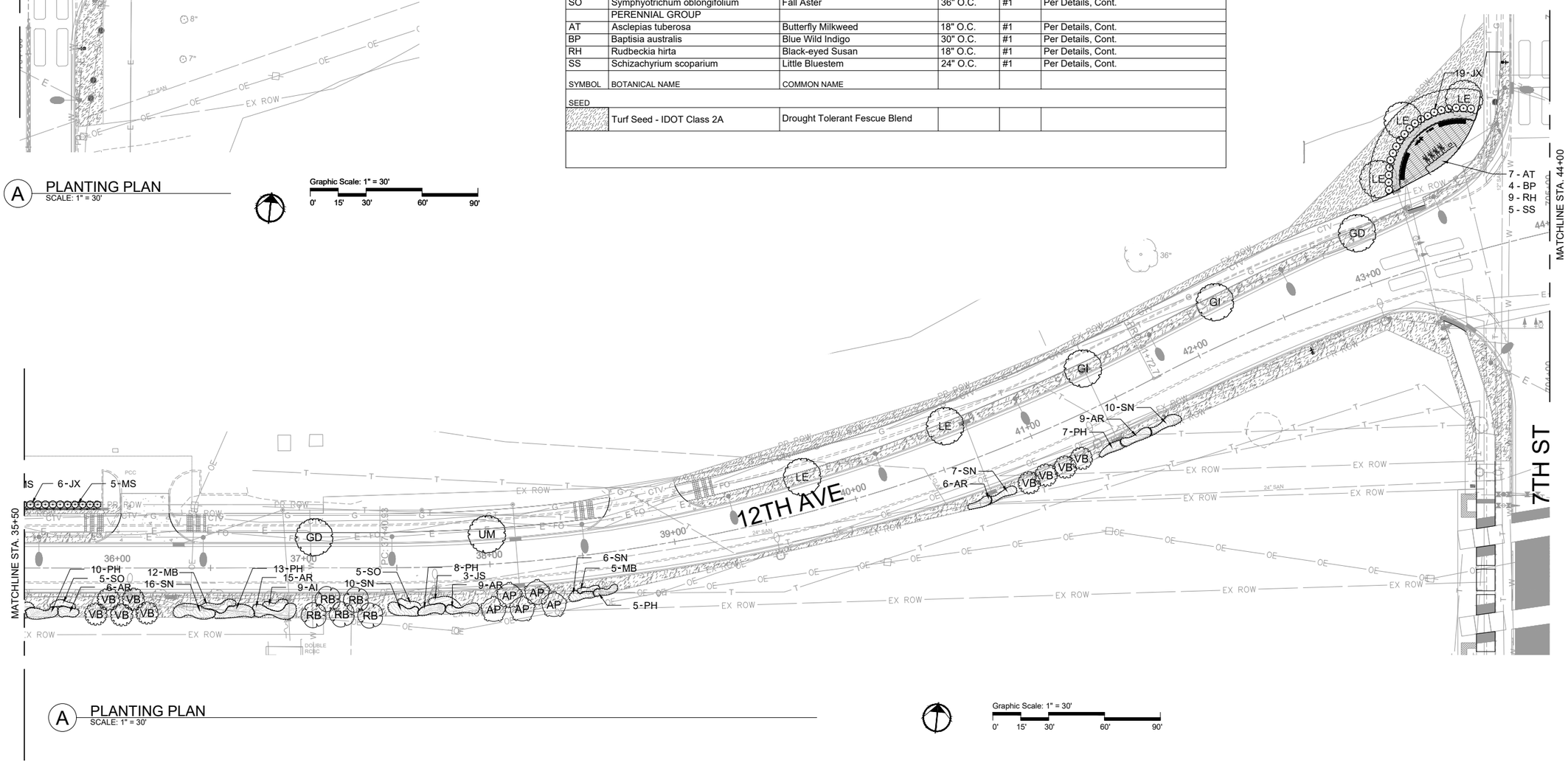
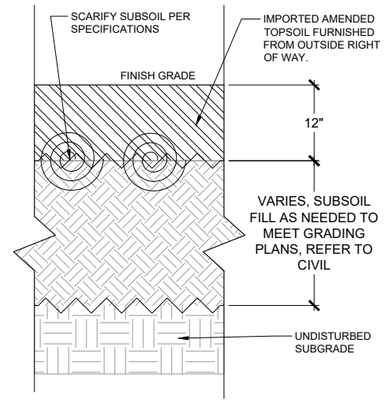
BP	Baptisia australis	Blue Wild Indigo	30" O.C.	#1	Per Details, Cont.
RH	Rudbeckia hirta	Black-eyed Susan	18" O.C.	#1	Per Details, Cont.
SS	Schizachyrium scoparium	Little Bluestem	24" O.C.	#1	Per Details, Cont.
SYMBOL	BOTANICAL NAME	COMMON NAME			
SEED					
	Turf Seed - IDOT Class 2A	Drought Tolerant Fescue Blend			



A PLANTING PLAN
SCALE: 1" = 30'

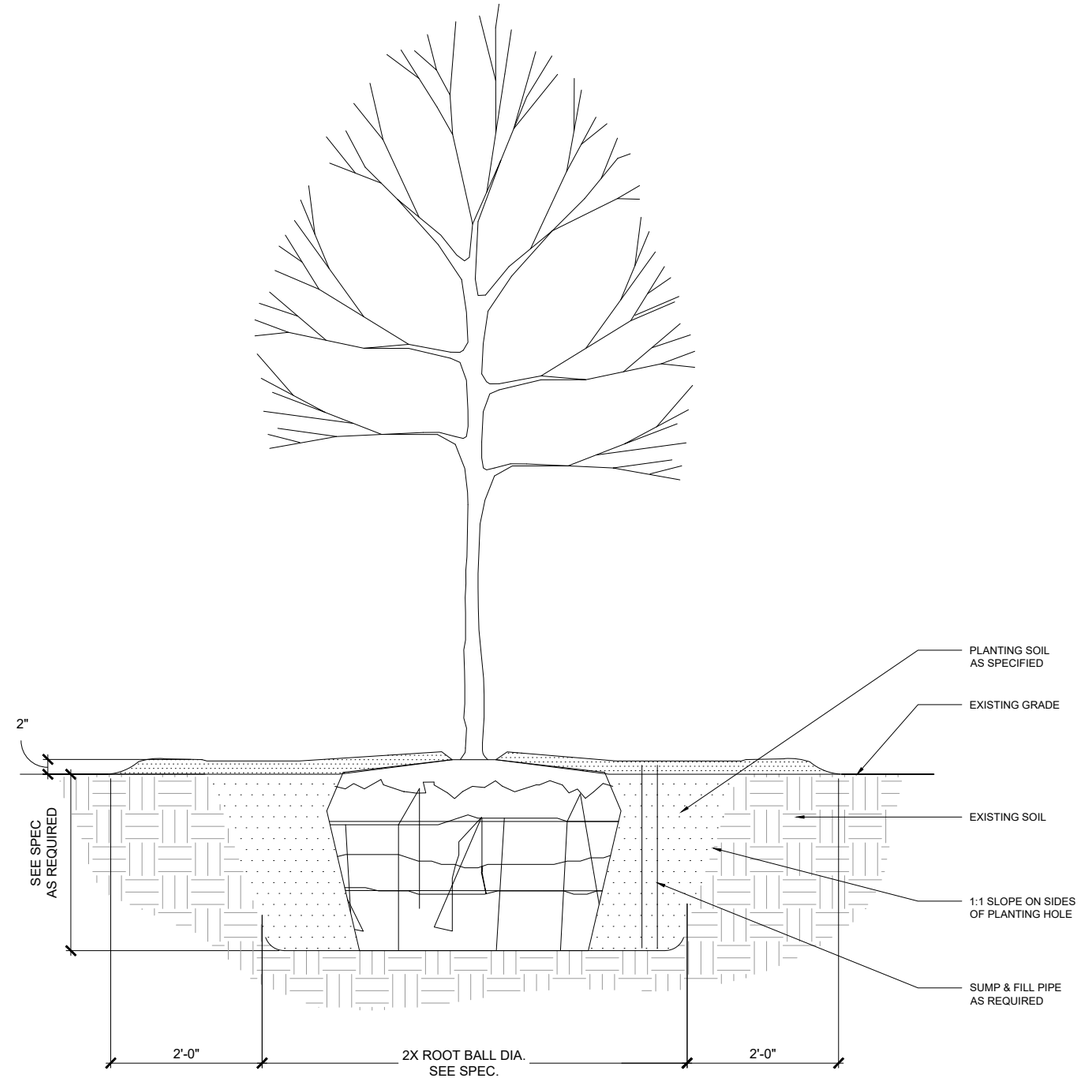
Graphic Scale: 1" = 30'
0' 15' 30' 60' 90'

SWI DESIGN	DESIGNED SR DATE 10/22/2025 DRAWN AV, WB CHECKED SR , TS PROJECT #: 21497	12TH AVENUE RECONSTRUCTION	CITY OF EAST MOLINE	LANDSCAPE PLAN RUST BELT STREETSCAPING	SHEET 137 OF 214



NOTE:
1. MPR = MATERIALS MODIFIED PROCTOR - ASTMD 1557 - MAXIMUM DRY DENSITY.
2. SEE SPECIFICATIONS FOR MORE INFORMATION.
3. SOIL PLACEMENT DETAILS ARE FOR GENERAL SOIL PREPARATION.

A TREE AREA SOIL
SCALE: 1"=1'-0"

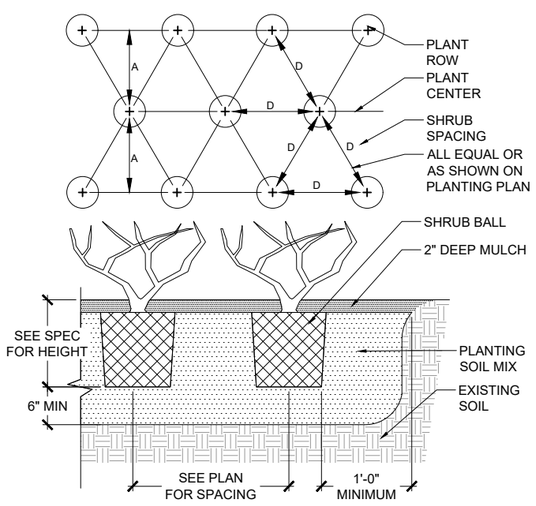


NOTES:
1. THIS DETAIL APPLIES TO ALL TREE TYPES, CANOPY, FLOWERING, AND EVERGREEN TREES.
2. DO NOT HEAVILY PRUNE THE TREE AT PLANTING. PRUNE ONLY CROSSOVER LIMBS, CO-DOMINANT LEADERS, AND BROKEN OR DEAD BRANCHES. SOME INTERIOR TWIGS AND LATERAL BRANCHES MAY BE PRUNED; HOWEVER, DO NOT REMOVE THE TERMINAL BUDS OF BRANCHES THAT EXTEND TO THE EDGE OF THE CROWN.
3. IF PLANT IS SHIPPED WITH A WIRE BASKET AROUND THE ROOT BALL, CUT THE WIRE BASKET IN FOUR PLACES AND FOLD DOWN 8 IN. INTO PLANTING HOLE.
4. WRAP TREE TRUNKS ONLY UPON THE APPROVAL OF THE LANDSCAPE ARCHITECT. SEE WRAPPING DETAIL.
5. SET TOP OF ROOT BALL FLUSH TO GRADE OR 1-2 IN. HIGHER IN SLOWLY DRAINING SOILS.
6. 2 IN. LAYER OF DOUBLE GROUND HARDWOOD MULCH. DO NOT PLACE MULCH IN CONTACT WITH TREE TRUNK. MULCH RING 6 FT. DIAMETER MINIMUM, 8FT. DIAMETER PREFERRED.
7. STAKE TREES ONLY UPON THE APPROVAL OF THE LANDSCAPE ARCHITECT SEE STAKING DETAIL.
8. PLACE ROOT BALL ON UNEXCAVATED OR TAMPED SOIL.
9. TAMP SOIL AROUND ROOT BALL BASE FIRMLY WITH FOOT PRESSURE SO THAT ROOT BALL DOES NOT SHIFT.
10. EACH TREE MUST BE PLANTED SUCH THAT THE TRUNK FLARE IS VISIBLE AT THE TOP OF THE ROOT BALL. TREES WHERE THE TRUNK FLARE IS NOT VISIBLE SHALL BE REJECTED. DO NOT COVER THE TOP OF THE ROOT BALL WITH SOIL.
11. REMOVE ALL TWINE, ROPE AND WIRE, AND BURLAP FROM TOP HALF OF ROOT BALL.

B TREE PLANTING DETAIL
SCALE: 1"=1'-0"

NOTES:
1. SHRUB SPACING SHALL BE AS NOTED IN PLANTING SCHEDULE.
2. IF SHRUBS ARE B&B, ROPES AT TOP OF BALL SHALL BE CUT. REMOVE TOP 1/3 OF BURLAP. NON-BIODEGRADABLE MATERIAL SHALL BE TOTALLY REMOVED.

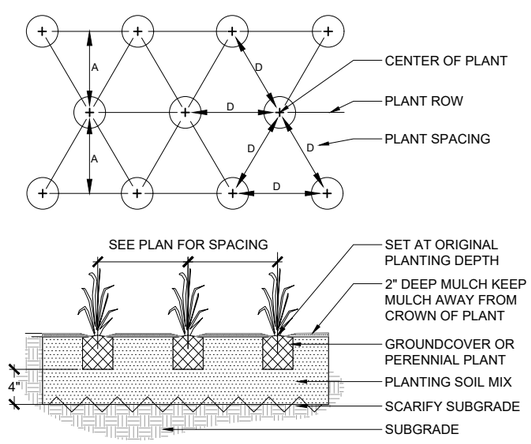
SPACING "D"	ROW "A"	NUMBER OF PLANTS/SQ. FT.
24"	20.8"	.250
30"	26.0"	.160
36"	30.0"	.110
4'	3.46'	.060



D SHRUB PLANTING DETAIL
SCALE: 1/2"=1'-0"

NOTES:
1. REMOVE SPENT FLOWERS PRIOR TO PLANTING.
2. LOOSEN ROOT MASS AT BOTTOM OF ROOT BALL.
3. TOP OF ROOT BALL STRIPPED OF 1/4" SURFACE GROWING MEDIA AND COVERED WITH 1/4" LANDSCAPE BED MIX PLUS SURFACE MULCH.
4. GROUNDCOVER SPACING SHALL BE AS NOTED IN PLANTING SCHEDULE.

SPACING "D"	ROW "A"	NUMBER OF PLANTS/SQ. FT.
18"	15.6"	.450
15"	13.0"	.640
12"	10.4"	1.00
10"	8.66"	1.44
8"	6.93"	2.25
6"	5.19"	4.00

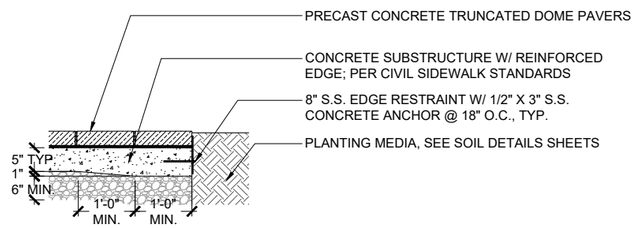


C PERENNIAL/GROUNDCOVER PLANTING DETAIL
SCALE: 1/2"=1'-0"

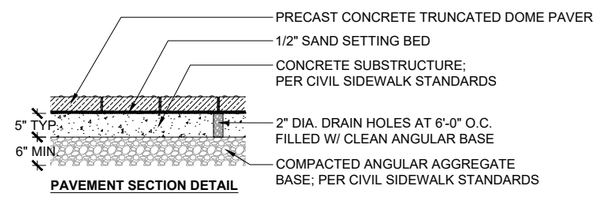
SWI DESIGN	DESIGNED SR	DATE 10/22/2025	12TH AVENUE RECONSTRUCTION
	DRAWN AV, WB		CITY OF EAST MOLINE
	CHECKED SR , TS		LANDSCAPE PLAN RUST BELT STREETSCAPING
	PROJECT #: 21497		SHEET 138 OF 214

NOTES:

1. PAVERS SHALL BE 12"X12" PRECAST CONCRETE TRUNCATED DOME PAVERS, BLACK/ CHARCOAL IN COLOR.
2. CONTRACTOR TO SUBMIT MFG. STANDARD COLORS FOR SELECTION BY THE LANDSCAPE ARCHITECT.
3. SEE PLANS & JOB SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.

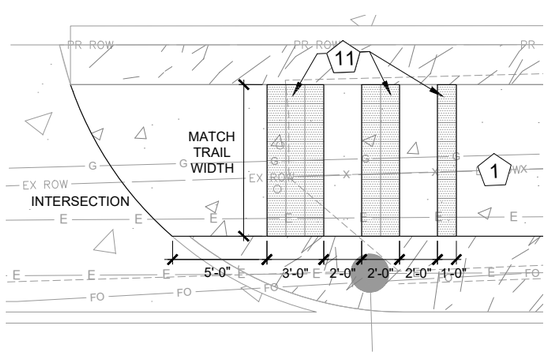


PAVER EDGE CONDITION @ PLANTING AREA

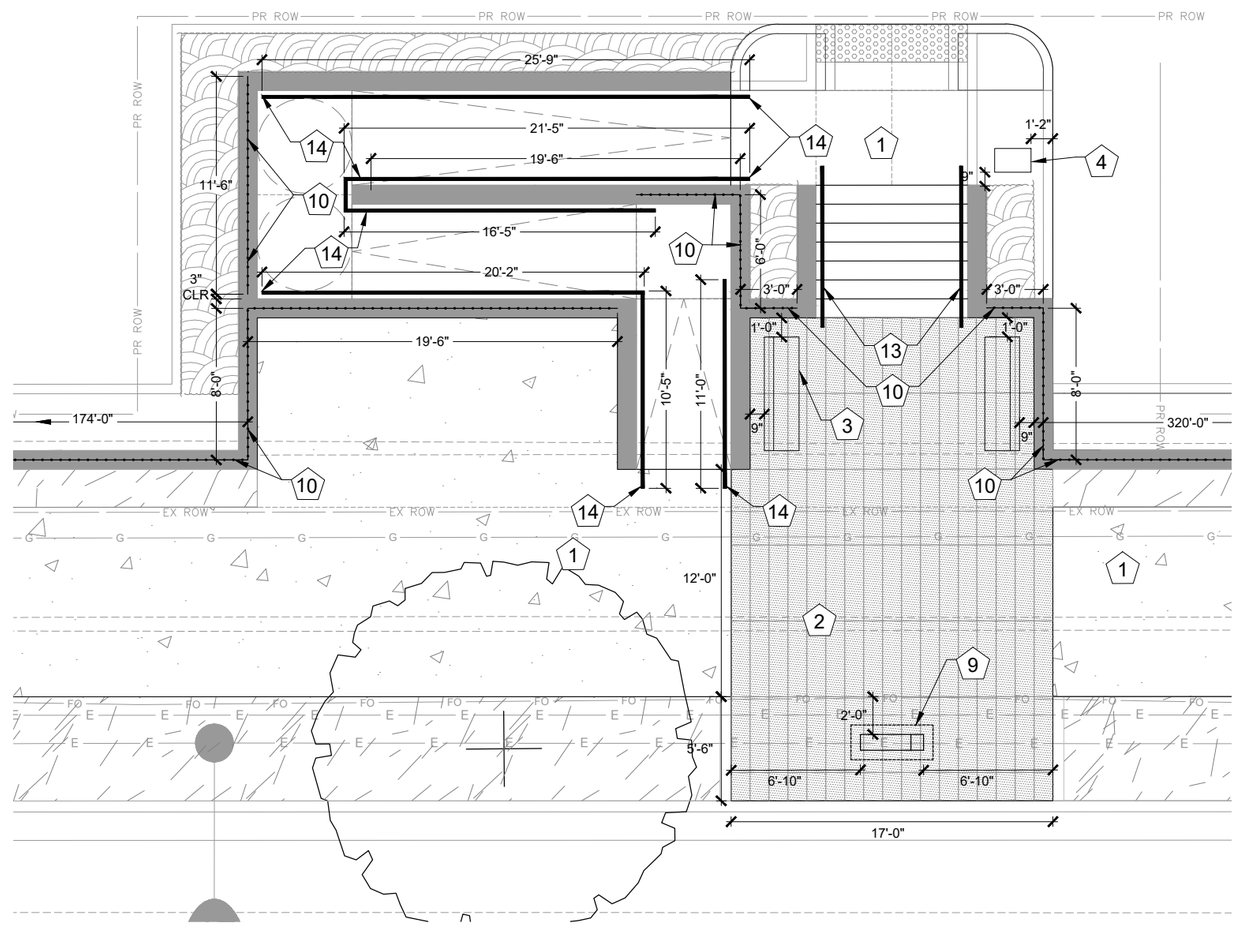


PAVEMENT SECTION DETAIL

C CONCRETE PAVERS, TYPE B DETAIL
SCALE: 1/4" = 1'



B INTERSECTION RUMBLE STRIP DETAIL, TYPICAL
SCALE: 1/4" = 1'



A ACCESS NODE LAYOUT PLAN
SCALE: 1/4" = 1'

Graphic Scale: ¼" = 1'
0' 2' 4' 8' 12'

KEYNOTES 85780

1 **SITE SIDEWALK**
- PER CIVIL SIDEWALK / IDOT STANDARDS

2 **CONCRETE PAVERS, TYPE A**
- PRECAST CONCRETE PLANK PAVER W/ LIGHT SANDBLAST FINISH
- STACK BOND PATTERN, LONG EDGE PERPENDICULAR TO THE TRAIL
- 50% CHARCOAL GRAY & 50% MEDIUM GRAY W/ RANDOM PLACEMENT
- SEE DETAILS ON LANDSCAPE PLAN SHEET 141 SEE JOB SPECIAL PROVISIONS

3 **BENCHES**
- SEE JOB SPECIAL PROVISION FOR ADDITIONAL INFORMATION

4 **TRASH RECEPTACLES**
- SEE DESIGN INTENT IMAGE ON LANDSCAPE PLAN SHEET 143
- SEE JOB SPECIAL PROVISION FOR ADDITIONAL INFORMATION

5 **BIKE REPAIR STATION**
- SEE DETAIL ON LANDSCAPE PLAN SHEET 141
- SEE JOB SPECIAL PROVISION FOR ADDITIONAL INFORMATION

6 **WATER FOUNTAIN**
- ACCESSIBLE METAL DRINKING FOUNTAIN WITH 3' HORIZONTAL CLEARANCE
- SEE JOB SPECIAL PROVISION FOR ADDITIONAL INFORMATION

7 **BICYCLE RACKS**
- DECORATIVE POWDERCOATED METAL BIKE RACK
- SURFACE MOUNT INSTALL WITH PAVER BRACKET PER MANUFACTURER RECOMMENDATIONS
- SEE JOB SPECIAL PROVISION FOR ADDITIONAL INFORMATION

8 **PEDESTRIAN BENCH, FURNISH AND INSTALL**
- WEATHERED CORTEN STEEL FRAME BENCH WITH VIRGIN ACCOYA WOOD SLATS
- SURFACE MOUNT INSTALL WITH PAVER BRACKET PER MANUFACTURER RECOMMENDATIONS
- SEE DETAILS ON LANDSCAPE PLAN SHEET 141
- SEE JOB SPECIAL PROVISION FOR ADDITIONAL INFORMATION

9 **INFORMATIONAL KIOSK COMPLETE**
- INFORMATIONAL KIOSK SIGN, SEE DETAIL ON LANDSCAPE PLAN SHEET 143
- SURFACE MOUNT INSTALL WITH PAVER BRACKET PER MANUFACTURER RECOMMENDATIONS
- REFER TO ELECTRICAL PLANS FOR POWER SUPPLY

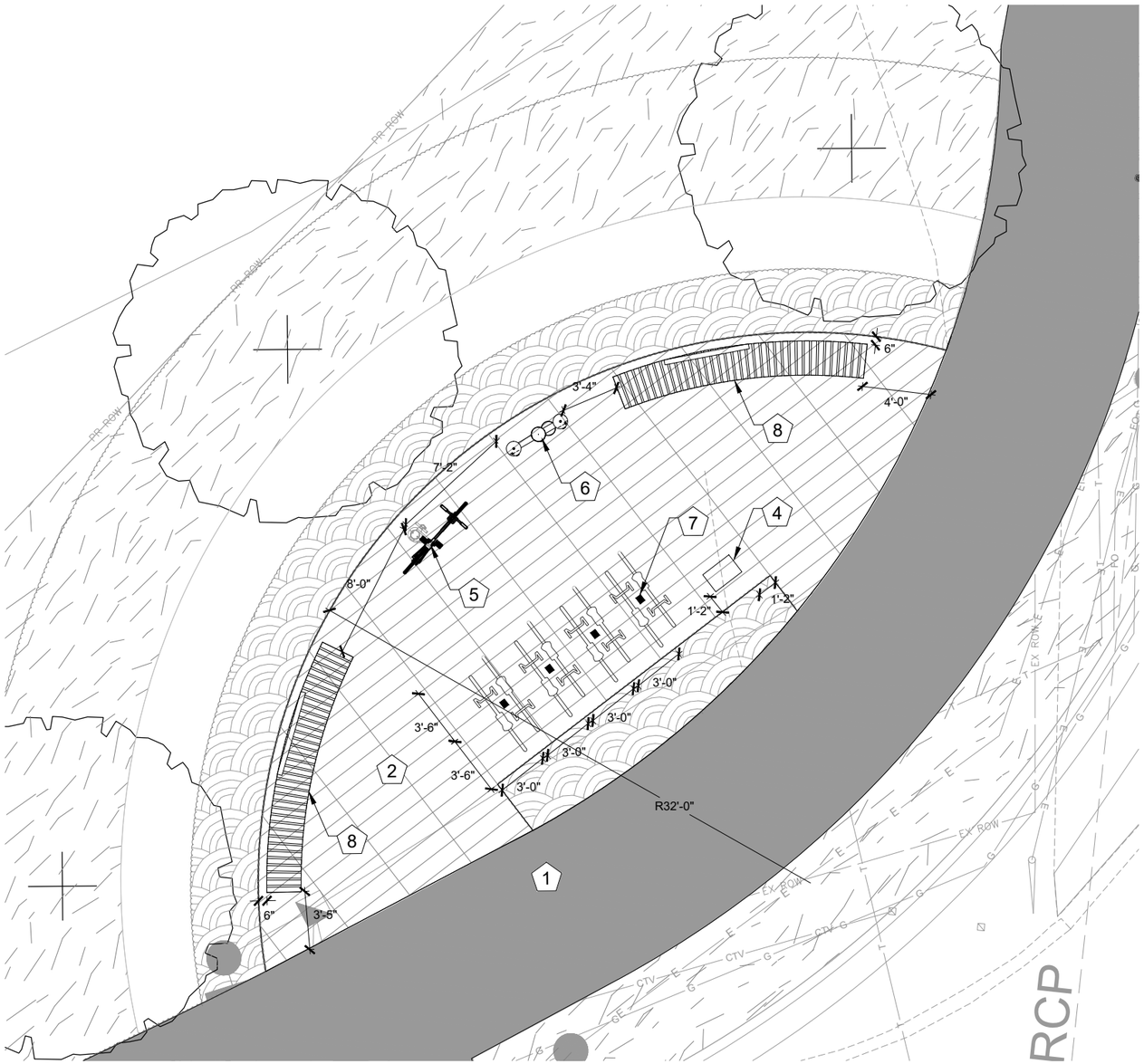
10 **BICYCLE RAILING (SPECIAL)**
- 48" HEIGHT METAL RAILING MOUNTED TO TOP OF RETAINING WALL. BLACK FINISH.
- SEE JOB SPECIAL PROVISION FOR ADDITIONAL INFORMATION

11 **CONCRETE PAVERS, TYPE B**
- 12" SQ. PAVERS WITH ADA COMPLIANT TRUNCATED DOMES
- STACK BOND PATTERN
- SEE DETAILS ON LANDSCAPE PLAN SHEET 139
- SEE JOB SPECIAL PROVISIONS

12 **WAYFINDING SIGN**
- 14' DIRECTIONAL WAYFINDING SIGN, SEE DETAILS ON LANDSCAPE PLAN SHEETS 144
- ARROWS MARK DIRECTION INDICATED
- SEE JOB SPECIAL PROVISIONS

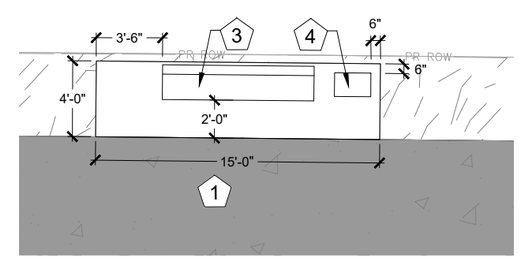
13 **PIPE HANDRAIL (AT STAIR)**
- SEE DETAIL ON LANDSCAPE PLAN SHEET 141
- SEE JOB SPECIAL PROVISION FOR ADDITIONAL INFORMATION

14 **PIPE HANDRAIL (AT RAMP)**
- SEE DETAIL ON LANDSCAPE PLAN SHEET 141
- SEE JOB SPECIAL PROVISION FOR ADDITIONAL INFORMATION



B TRAILHEAD NODE LAYOUT PLAN
SCALE: 1/4" = 1'

Graphic Scale: ¼" = 1'
0' 2' 4' 8' 12'



A BENCH NODE TYPICAL
SCALE: 1/4" = 1'

Graphic Scale: ¼" = 1'
0' 2' 4' 8' 12'

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- SEE JOB SPECIAL PROVISION FOR ADDITIONAL INFORMATION

5 **BIKE REPAIR STATION**
- SEE DETAIL ON LANDSCAPE PLAN SHEET 141
- SEE JOB SPECIAL PROVISION FOR ADDITIONAL INFORMATION

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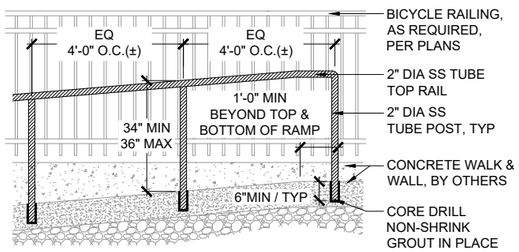
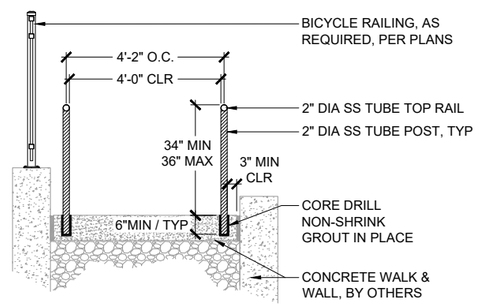
- SURFACE MOUNT INSTALL WITH PAVER BRACKET PER MANUFACTURER RECOMMENDATIONS
- SEE JOB SPECIAL PROVISION FOR ADDITIONAL INFORMATION

8 **PEDESTRIAN BENCH, FURNISH AND INSTALL**
- WEATHERED CORTEN STEEL FRAME BENCH WITH VIRGIN ACCOYA WOOD SLATS
- SURFACE MOUNT INSTALL WITH PAVER BRACKET PER MANUFACTURER RECOMMENDATIONS
- SEE DETAILS ON LANDSCAPE PLAN SHEET 141
- SEE JOB SPECIAL PROVISION FOR ADDITIONAL INFORMATION

NOTES:
1. SIZES AND DIMENSIONS SHOWN FOR DESIGN INTENT PURPOSES ONLY. CONTRACTOR TO SUBMIT SHOP & SEALED ENGINEERING DRAWINGS FOR REVIEW BY ENGINEER PRIOR TO COMMENCING WORK.
2. TUBE FOR ALL RAILING MEMBERS TO BE 16 GAUGE (.065") SMOOTH-BORE SEAMLESS 316 STAINLESS STEEL UNLESS OTHERWISE NOTED.
3. SEE JOB SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.



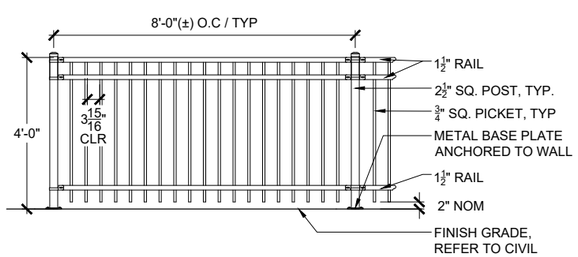
HANDRAIL ELEVATION



HANDRAIL SECTION

G RAMP HANDRAIL DETAIL
SCALE: 1/2" = 1'-0"

NOTES:
1. SIZES AND DIMENSIONS SHOWN FOR DESIGN INTENT PURPOSES ONLY. CONTRACTOR TO SUBMIT SHOP & SEALED ENGINEERING DRAWINGS FOR REVIEW BY LANDSCAPE ARCHITECT & STRUCTURAL ENGINEER PRIOR TO COMMENCING WORK.
2. SEE JOB SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.



F BICYCLE RAILING (SPECIAL) - DETAIL
SCALE: NOT TO SCALE

NOTES:
1. SIZES AND DIMENSIONS SHOWN FOR DESIGN INTENT PURPOSES ONLY. CONTRACTOR TO SUBMIT SHOP & SEALED ENGINEERING DRAWINGS FOR REVIEW BY ENGINEER PRIOR TO COMMENCING WORK.
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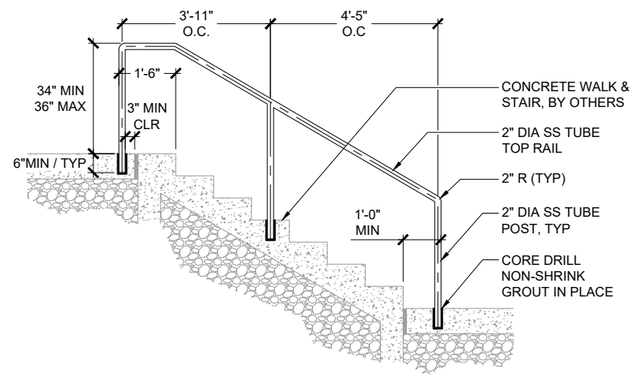
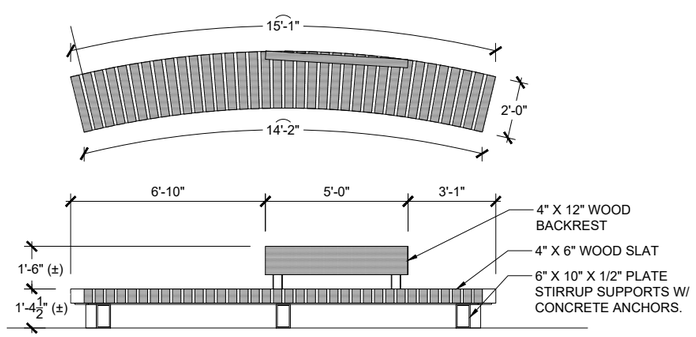
3. SEE JOB SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.



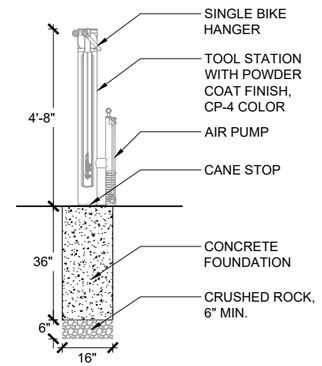
E STAIR HANDRAIL DETAIL
SCALE: 1/2"=1'-0"

NOTES:
1. CONTRACTOR TO SUBMIT SHOP & SEALED ENGINEERING DRAWINGS FOR REVIEW BY LANDSCAPE ARCHITECT PRIOR TO COMMENCING WORK.
2. ALL METAL COMPONENTS TO HAVE NATURAL WEATHERED RUST FINISH WITH BLACK OXIDE FASTENERS, UNLESS OTHERWISE NOTED.
3. UNITS TO BE ANCHORED TO ADJACENT GRADE W/ APPROPRIATE ANCHORS AND HARDWARE.
4. ALL WOOD MEMBERS TO BE VIRGIN OR RECLAIMED MONOLITHIC HARDWOOD TIMBERS WITH A LIGHT COLOR SIMILAR TO ACCOYA, UNLESS OTHERWISE NOTED.
5. SEE JOB SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.



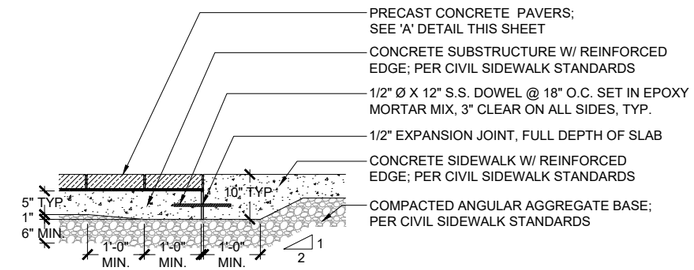
D PEDESTRIAN BENCH, FURNISH AND INSTALL - DETAILS
3/8"=1'-0"

NOTES:
1. SEE JOB SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.

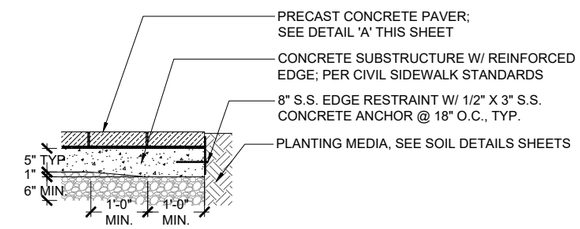


C BIKE REPAIR STATION
1/2"=1'-0"

NOTES:
1. SEE PRECAST CONCRETE PAVER DETAIL ON THIS PAGE FOR ADDITIONAL INFORMATION.
2. FULL DEPTH EXPANSION JOINTS SHALL BE PLACED EVERYWHERE CONCRETE SUBSTRUCTURE ABUTS AN ADJACENT SITE FEATURE (I.E. CURBS, WALLS, WALKS, ETC...)
3. PLACE EXPANSION JOINTS IN CONCRETE SUBSTRUCTURE FIELD AT 24'-0" O.C. IN EACH DIRECTION, TYP
4. PLACE CONTROL JOINTS IN CONCRETE SUBSTRUCTURE FIELD AT 12'-0" O.C. IN EACH DIRECTION, TYP.
5. SEE CIVIL SHEETS FOR ADDITIONAL INFORMATION ON CAST-IN-PLACE CONCRETE
6. SEE JOB SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.



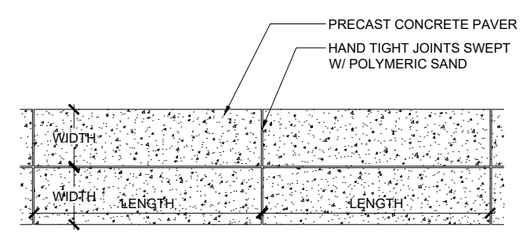
PAVER EDGE CONDITION @ SIDEWALK



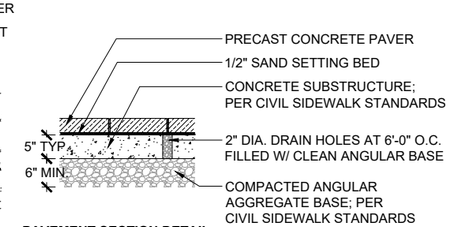
PAVER EDGE CONDITION @ PLANTING AREA

B PAVER EDGE CONDITION DETAILS
SCALE: 3/4"=1'-0"

NOTES:
1. PAVERS SHALL BE UNIFORM PLANK STYLE PAVER (6"X24", 8"X24", 10"X30", OR 12"X48") PRE-CAST CONCRETE PAVER W/ LIGHT SANDBLASTED FINISH.
2. PAVER COLOR TO BE 50% CHARCOAL GRAY & 50% MEDIUM GRAY IN AN RANDOM PATTERN, CONTRACTOR TO SUBMIT MFG. STANDARD COLORS FOR SELECTION BY THE LANDSCAPE ARCHITECT.
3. FULL DEPTH EXPANSION JOINTS SHALL BE PLACED EVERYWHERE CONCRETE SUBSTRUCTURE ABUTS AN ADJACENT SITE FEATURE (I.E. CURBS, WALLS, WALKS, ETC...)
4. PLACE EXPANSION JOINTS IN CONCRETE SUBSTRUCTURE FIELD AT 12'-0" O.C. IN EACH DIRECTION, TYP.
5. PLACE CONTROL JOINTS IN CONCRETE SUBSTRUCTURE FIELD AT 12'-0" O.C. IN EACH DIRECTION, TYP.
6. SEE CIVIL SHEETS FOR ADDITIONAL INFORMATION ON CAST-IN-PLACE CONCRETE.
7. SEE JOB SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.

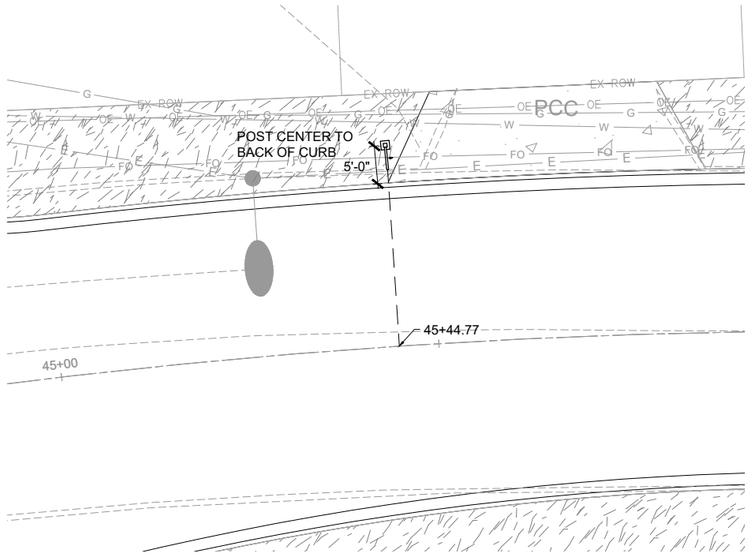


PAVEMENT PLAN DETAIL



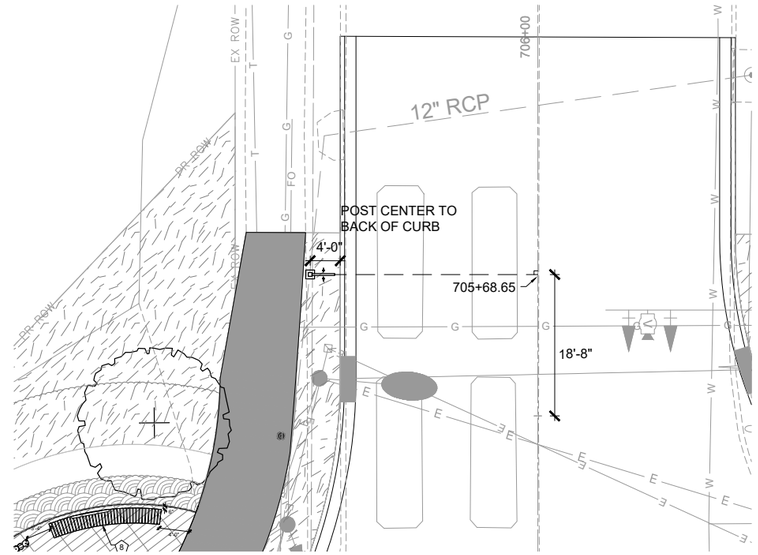
PAVEMENT SECTION DETAIL

A CONCRETE PAVERS, TYPE A - DETAIL
SCALE: 3/4"=1'-0"



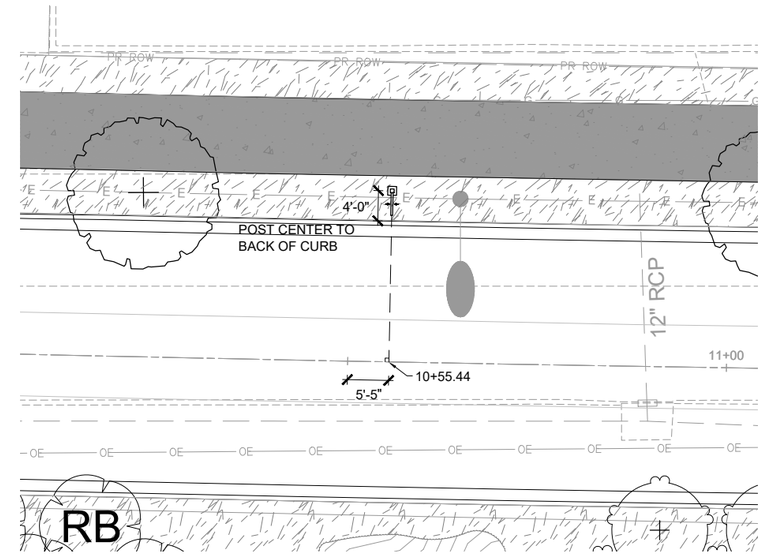
F WAYFINDING SIGN LAYOUT PLAN
SCALE: 1" = 10'

Graphic Scale: 1" = 10'
0' 5' 10' 20' 30'



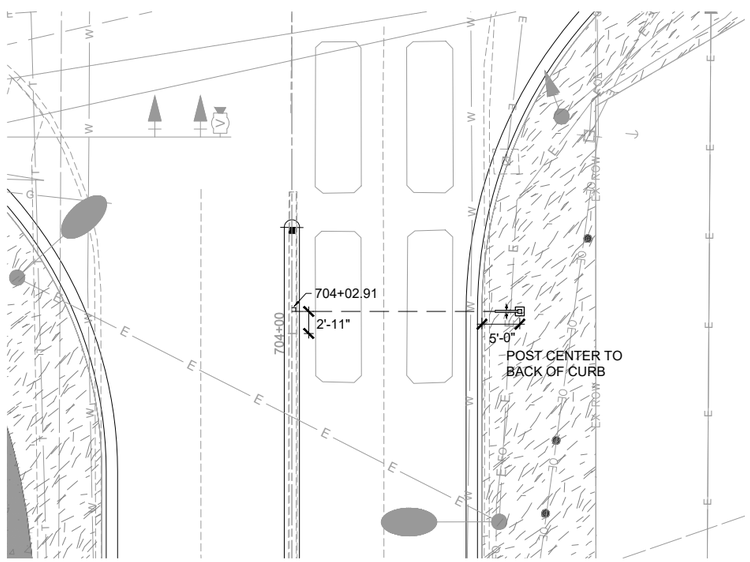
D WAYFINDING SIGN LAYOUT PLAN
SCALE: 1" = 10'

Graphic Scale: 1" = 10'
0' 5' 10' 20' 30'



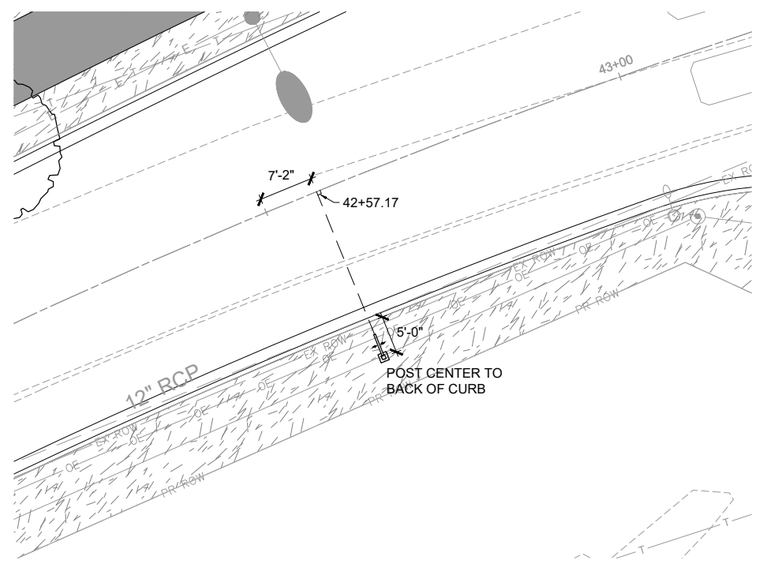
B WAYFINDING SIGN LAYOUT PLAN
SCALE: 1" = 10'

Graphic Scale: 1" = 10'
0' 5' 10' 20' 30'



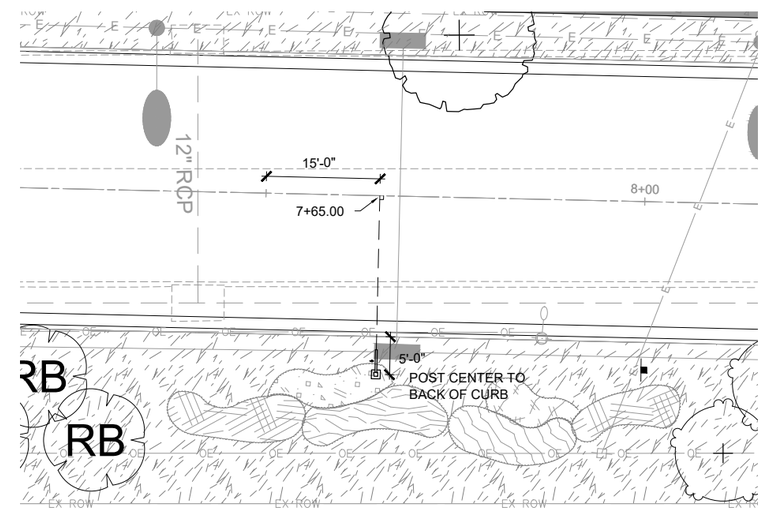
E WAYFINDING SIGN LAYOUT PLAN
SCALE: 1" = 10'

Graphic Scale: 1" = 10'
0' 5' 10' 20' 30'



C WAYFINDING SIGN LAYOUT PLAN
SCALE: 1" = 10'

Graphic Scale: 1" = 10'
0' 5' 10' 20' 30'



A WAYFINDING SIGN LAYOUT PLAN
SCALE: 1" = 10'

Graphic Scale: 1" = 10'
0' 5' 10' 20' 30'

SWI DESIGN	DESIGNED SR DATE 10/22/2025 DRAWN AV, WB CHECKED SR , TS PROJECT #: 21497	12TH AVENUE RECONSTRUCTION	CITY OF EAST MOLINE	LANDSCAPE PLAN RUST BELT STREETSCAPING	SHEET 142 OF 214

COLOR CP-1: WEATHERED STEEL HPC COATING
TIGER DRYLAC U.S.A. | 3945 SWENSON AVE. ST. CHARLES, IL 60174 | +1 800.243.8148
38/60499 - WEATHERED STEEL AMBRA

PRISMATIC POWDERS | 7050 6TH STREET | WHITE CITY, OR 97503 | +1 866.774.7628
UTS-5433 - WEATHERED RUST

PPG INDUSTRIES, INC | 5750 STATE ROUTE 251, PERU, IL 61354 | +1 815.223.190
PCNT24111P - URBAN RUST SPECKLE

COLOR CP-2: WEATHERED WOOD HPC COATING
DECORAL SYSTEM USA | 12477 NW 44TH STREET CORAL SPRINGS, FL 33065 | +1 954.755.6021
DS-0745S+2601/06 - GRAY COLOUR - TEAK EFFECT

SHERMAN WILLIAMS | 4011 AVENUE OF THE CITIES, MOLINE, IL, 61265 | + 1 309.764.5693
VNT2E0S01 - PE/P/HD FTX SUB WHITE (55182)

AKZO NOBEL COATINGS INC. | 150 COLUMBIA STREET | READING, PA 19601 | +1 866.267.6933
INTERPON D STF: WOOD EFFECT GREY V2, YZ312A - CLASSIC GREY

COLOR CP-3: BRIGHT / REFLECTIVE WHITE HPC COATING
TIGER DRYLAC U.S.A. | 3945 SWENSON AVE. ST. CHARLES, IL 60174 | +1 800.243.8148
138/10455 - BIANCO 3802

IFS COATINGS | 3601 N I35 GAINESVILLE, TX 76240 | +1 800.243.8148
SRSL82519 - APOLLO WHITE

SHERMAN WILLIAMS | 4011 AVENUE OF THE CITIES, MOLINE, IL, 61265 | + 1 309.764.5693
PWS8-C0029 - HIGH REFLECTANCE WHITE

COLOR CP-4: CHARCOAL HPC COATING
TIGER DRYLAC U.S.A. | 3945 SWENSON AVE. ST. CHARLES, IL 60174 | +1 800.243.8148
61/80079 - BLACK

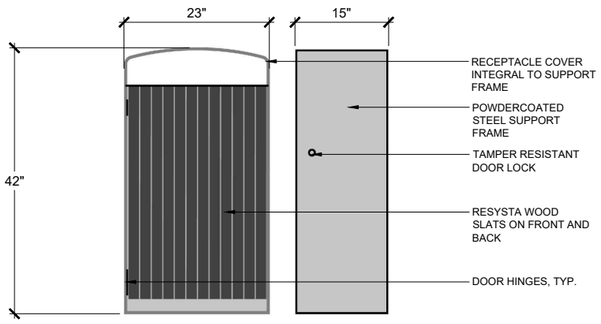
IFS COATINGS | 3601 N I35 GAINESVILLE, TX 76240 | +1 800.243.8148
SRML90503 - TEXTURE BLACK CHROME

SHERMAN WILLIAMS | 4011 AVENUE OF THE CITIES, MOLINE, IL, 61265 | + 1 309.764.5693
PBT6-C0001 - RAVEN TEXTURE II

WAYFINDING NOTE:

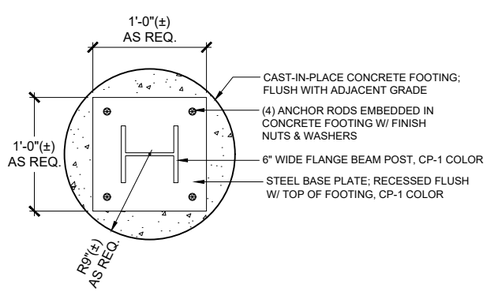
THE BRANDING / WAYFINDING SIGNAGE WORK PROVIDED ON THIS SHEET IS FOR DESIGN INTENT ONLY. OUTLINES, SKETCHES, DRAWINGS, PICTURE REFERENCES, CRITERIA, MATERIAL SPECIFICATIONS, AND CONSTRUCTION NOTES ON THE SHEET ARE FOR THE EXPRESS PURPOSE OF LOCATION, GENERAL IDENTIFICATION, ADJACENCY, AND DESIGN INTENT. UNLESS OTHERWISE NOTED, THE ENGINEERED DESIGN, MEANS, METHODS, MANUFACTURE INSTALLATION, LOCAL CODE COMPLIANCE, AND WARRANTIES OF THE DESIGNED OBJECTS ARE TO BE PROVIDED BY THE CONTRACTOR; INCLUDING STRUCTURAL DESIGN DRAWINGS PRODUCED AND SEALED BY A QUALIFIED ENGINEER LICENSED TO PRACTICE IN THE JURISDICTION OF THE PROJECT.

COLOR PALETTE



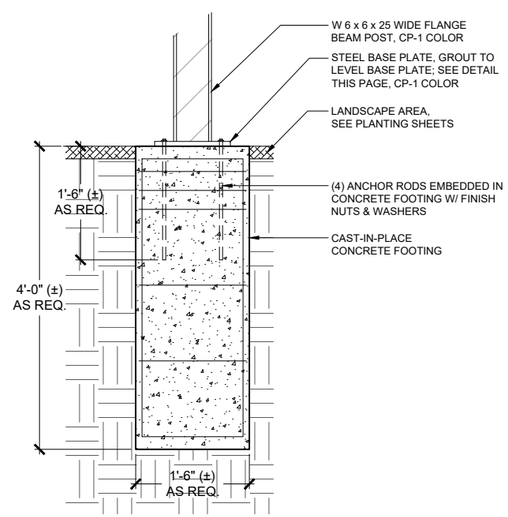
D TRASH RECEPTACLES - DESIGN INTENT IMAGE
SCALE: NTS

NOTES:
1. SIZES AND DIMENSIONS SHOWN FOR DESIGN INTENT PURPOSES ONLY. CONTRACTOR TO SUBMIT SHOP & SEALED ENGINEERING DRAWINGS FOR REVIEW BY LANDSCAPE ARCHITECT & STRUCTURAL ENGINEER PRIOR TO COMMENCING WORK.
2. CENTRAL POST & BASE PLATE TO HAVE MATCHING HIGH PERFORMANCE COATING (HPC) FINISH WITH BLACK OXIDE FASTENERS, UNLESS OTHERWISE NOTED.
3. SEE JOB SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.



C WAYFINDING SIGN - FOOTING PLAN DETAIL
SCALE: 1-1/2"=1'-0"

NOTES:
1. SIZES AND DIMENSIONS SHOWN FOR DESIGN INTENT PURPOSES ONLY. CONTRACTOR TO SUBMIT SHOP & SEALED ENGINEERING DRAWINGS FOR REVIEW BY LANDSCAPE ARCHITECT & STRUCTURAL ENGINEER PRIOR TO COMMENCING WORK.
2. CENTRAL POST & BASE PLATE TO HAVE MATCHING HIGH PERFORMANCE COATING (HPC) FINISH WITH BLACK OXIDE FASTENERS, UNLESS OTHERWISE NOTED.
3. ALL VINYL LETTERS, NUMBERS, AND DIRECTIONAL MARKINGS TO BE MATCHING REFLECTIVE CAST VINYL GRAPHIC FILM, UNLESS OTHERWISE NOTED.
4. ALL EXTRUDED LETTERS TO HAVE A MATCHING HIGH PERFORMANCE COATING (HPC) FINISH WITH BLACK OXIDE FASTENERS, UNLESS OTHERWISE NOTED.
5. SEE JOB SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.
6. FINAL MESSAGE LAYOUT AND SIGN PANEL CONFIGURATION TO BE DETERMINED. CONTRACTOR TO COORDINATE WITH OWNER TO DETERMINE REQUIREMENTS FOR PANEL AND MESSAGE INFORMATION REQUIRED AT EACH SIGN LOCATION.



B WAYFINDING SIGN - FOOTING DETAIL
SCALE: 1"=1'-0"

NOTES:
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3. ALL VINYL LETTERS, NUMBERS, AND DIRECTIONAL MARKINGS TO HAVE REFLECTIVE CAST VINYL GRAPHIC FILM.
4. ALL EXTRUDED LETTERS TO HAVE MATCHING HIGH PERFORMANCE COATING (HPC) FINISH WITH BLACK OXIDE FASTENERS.
5. ALL SIGN SUPPORT MEMBERS TO HAVE MATCHING HIGH PERFORMANCE COATING (HPC) FINISH WITH BLACK OXIDE FASTENERS.
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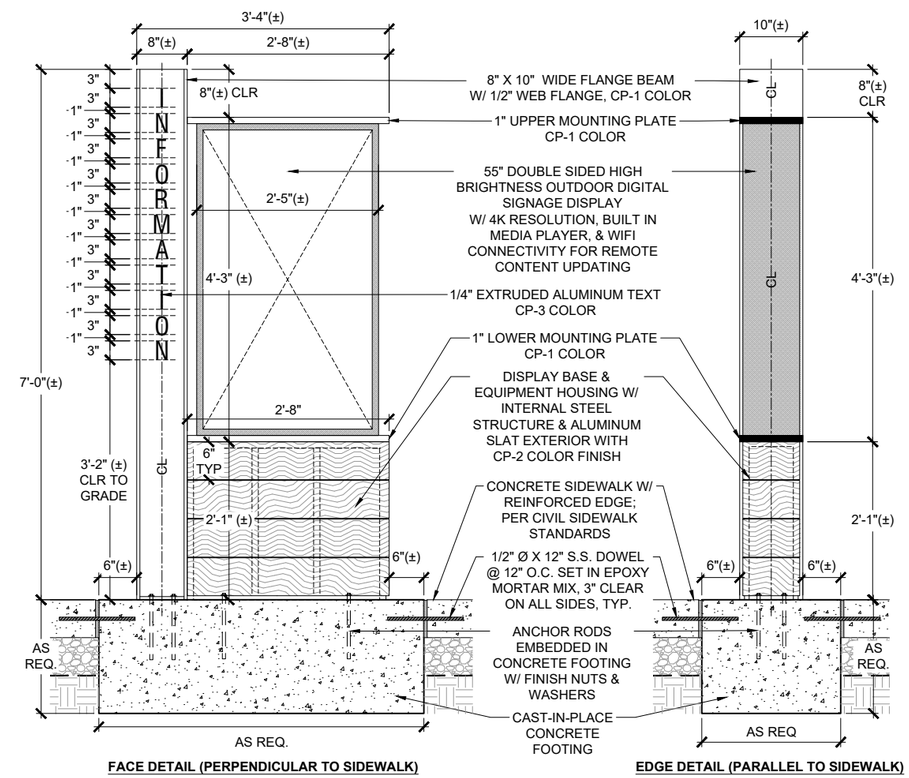

A INFORMATION KIOSK COMPLETE - DETAIL
SCALE: 1"=1'-0"

COLOR CP-1: WEATHERED STEEL HPC COATING
TIGER DRYLAC U.S.A. | 3945 SWENSON AVE. ST. CHARLES, IL 60174 | +1 800.243.8148
38/60499 - WEATHERED STEEL AMBRA

PRISMATIC POWDERS | 7050 6TH STREET | WHITE CITY, OR 97503 | +1 866.774.7628
UTS-5433 - WEATHERED RUST

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PCNT24111P - URBAN RUST SPECKLE

COLOR CP-2: WEATHERED WOOD HPC COATING
DECORAL SYSTEM USA | 12477 NW 44TH STREET CORAL SPRINGS, FL 33065 | +1 954.755.6021
DS-0745S+2601/06 - GRAY COLOUR - TEAK EFFECT

SHERMAN WILLIAMS | 4011 AVENUE OF THE CITIES, MOLINE, IL, 61265 | + 1 309.764.5693
VNT2E0S01 - PE/P/HD FTX SUB WHITE (55182)

AKZO NOBEL COATINGS INC. | 150 COLUMBIA STREET | READING, PA 19601 | +1 866.267.6933
INTERPON D STF: WOOD EFFECT GREY V2, YZ312A - CLASSIC GREY

COLOR CP-3: BRIGHT / REFLECTIVE WHITE HPC COATING
TIGER DRYLAC U.S.A. | 3945 SWENSON AVE. ST. CHARLES, IL 60174 | +1 800.243.8148
138/10455 - BIANCO 3802

IFS COATINGS | 3601 N I35 GAINESVILLE, TX 76240 | +1 800.243.8148
SRSL82519 - APOLLO WHITE

SHERMAN WILLIAMS | 4011 AVENUE OF THE CITIES, MOLINE, IL, 61265 | + 1 309.764.5693
PWS8-C0029 - HIGH REFLECTANCE WHITE

COLOR CP-4: CHARCOAL HPC COATING
TIGER DRYLAC U.S.A. | 3945 SWENSON AVE. ST. CHARLES, IL 60174 | +1 800.243.8148
61/80079 - BLACK

IFS COATINGS | 3601 N I35 GAINESVILLE, TX 76240 | +1 800.243.8148
SRML90503 - TEXTURE BLACK CHROME

SHERMAN WILLIAMS | 4011 AVENUE OF THE CITIES, MOLINE, IL, 61265 | + 1 309.764.5693
PBT6-C0001 - RAVEN TEXTURE II

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COLOR PALETTE

NOTES:
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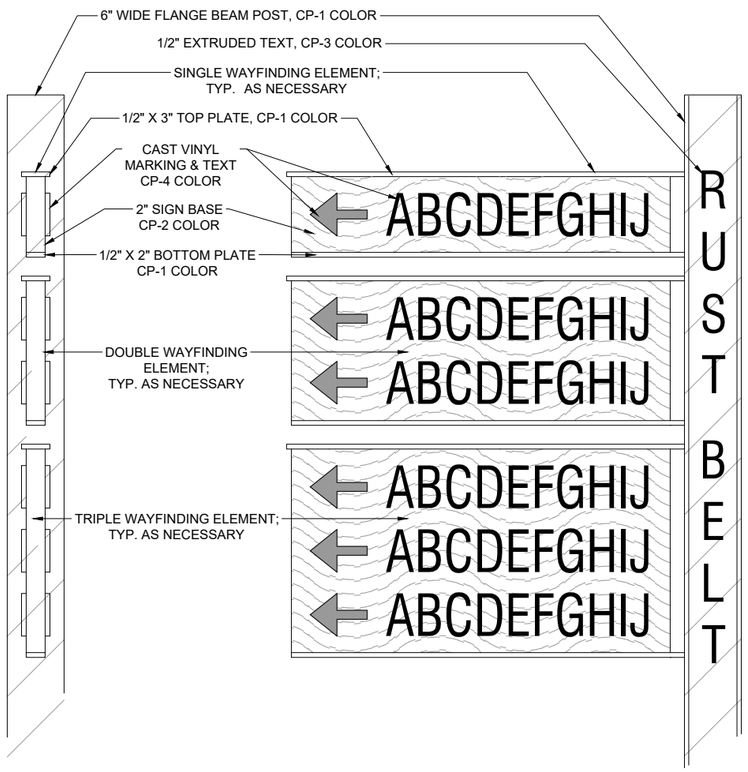
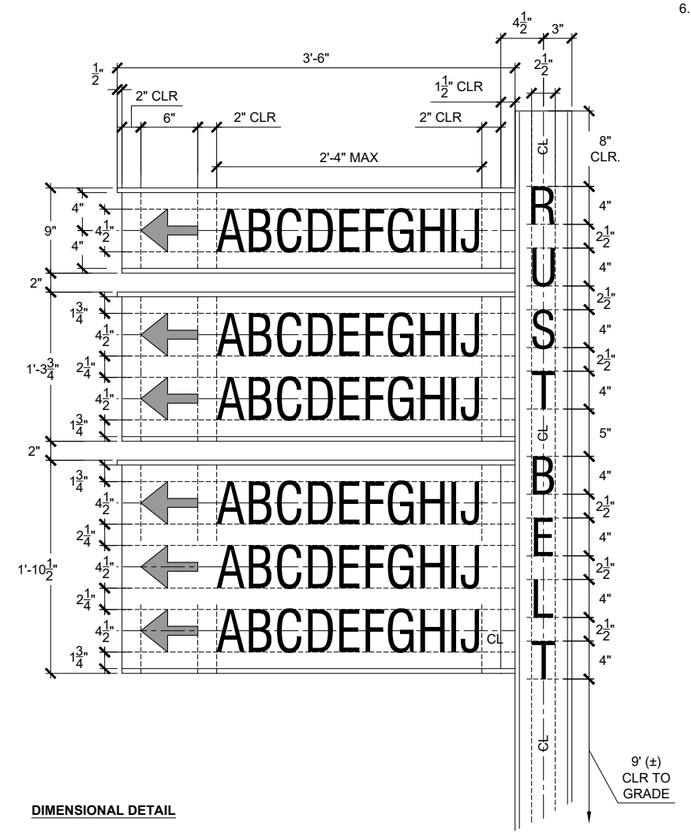
2. CENTRAL POST & BASE PLATE TO HAVE MATCHING HIGH PERFORMANCE COATING (HPC) FINISH WITH BLACK OXIDE FASTENERS, UNLESS OTHERWISE NOTED.
3. ALL VINYL LETTERS, NUMBERS, AND DIRECTIONAL MARKINGS TO BE MATCHING REFLECTIVE CAST VINYL GRAPHIC FILM, UNLESS OTHERWISE NOTED.
4. ALL EXTRUDED LETTERS TO HAVE A MATCHING HIGH PERFORMANCE COATING (HPC) FINISH WITH BLACK OXIDE FASTENERS, UNLESS OTHERWISE NOTED.
5. SEE JOB SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.
6. FINAL MESSAGE LAYOUT AND SIGN PANEL CONFIGURATION TO BE DETERMINED. CONTRACTOR TO COORDINATE WITH OWNER TO DETERMINE REQUIREMENTS FOR PANEL AND MESSAGE INFORMATION REQUIRED AT EACH SIGN LOCATION.



WAYFINDING SIDE DETAIL

WAYFINDING FRONT FACE DETAIL



DIMENSIONAL DETAIL

B WAYFINDING SIGN - SIGN ENLARGEMENT
SCALE: 1-1/2"=1'-0"

NOTES:
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2. CENTRAL POST & BASE PLATE TO HAVE MATCHING HIGH PERFORMANCE COATING (HPC) FINISH WITH BLACK OXIDE FASTENERS, UNLESS OTHERWISE NOTED. (COLOR CP-1)
3. ALL VINYL LETTERS, NUMBERS, AND DIRECTIONAL MARKINGS TO BE MATCHING REFLECTIVE CAST VINYL GRAPHIC FILM, UNLESS OTHERWISE NOTED.
4. ALL EXTRUDED LETTERS TO HAVE A MATCHING HIGH PERFORMANCE COATING (HPC) FINISH WITH BLACK OXIDE FASTENERS, UNLESS OTHERWISE NOTED.
5. SEE JOB SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.
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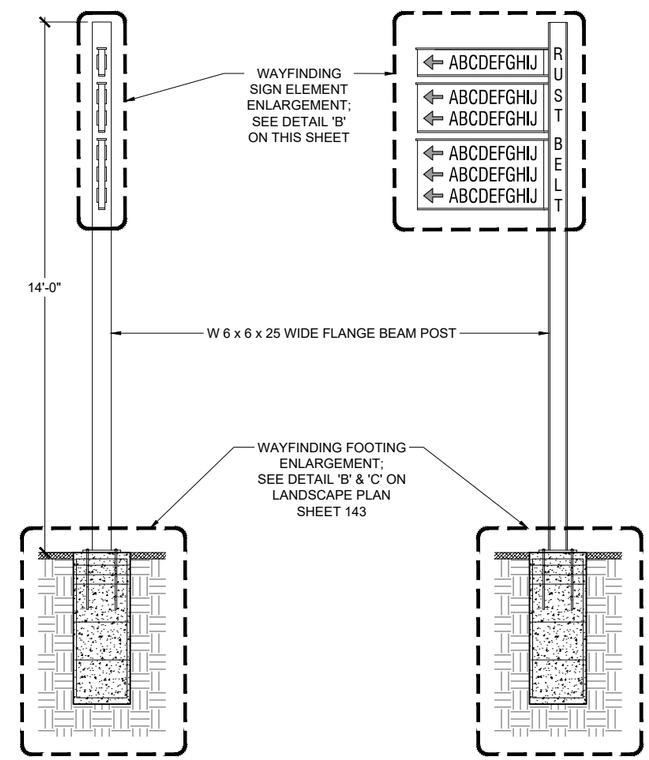
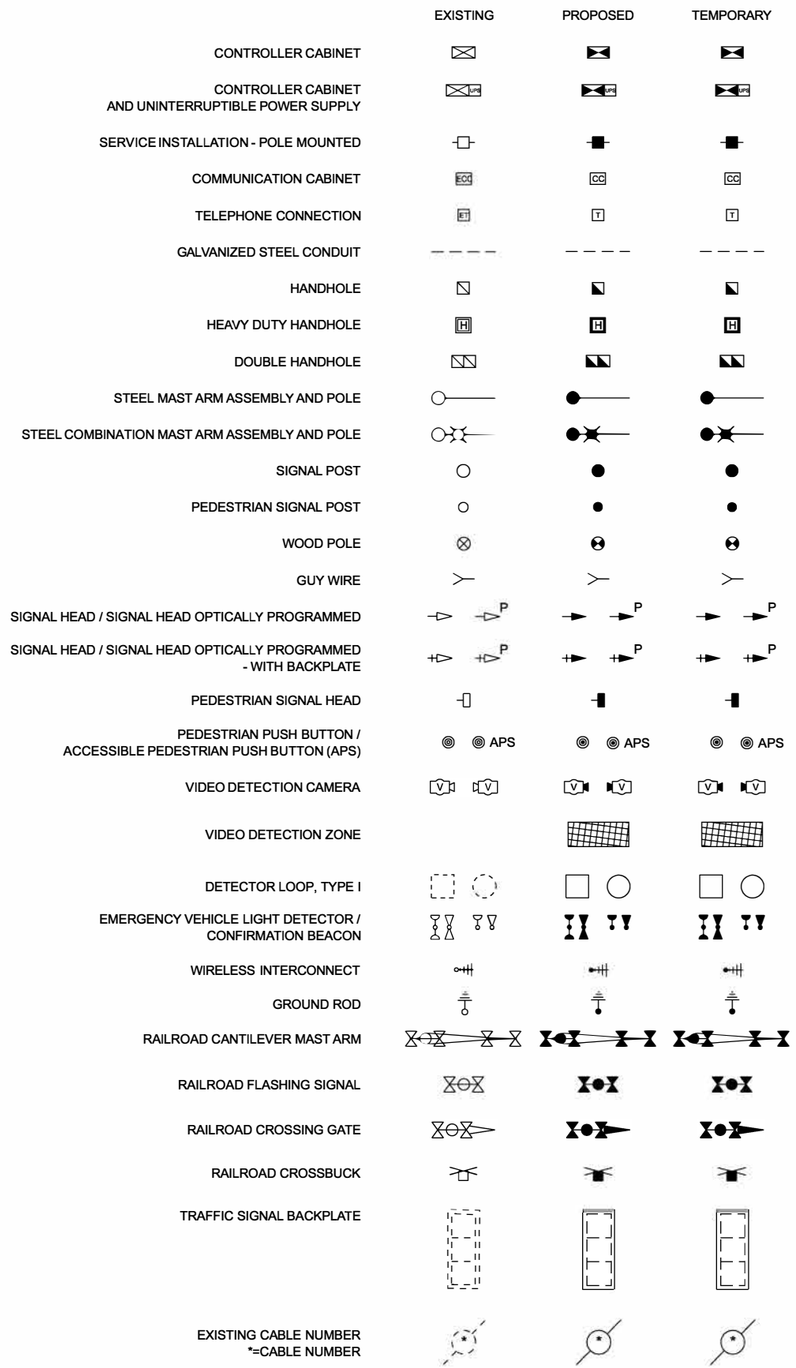


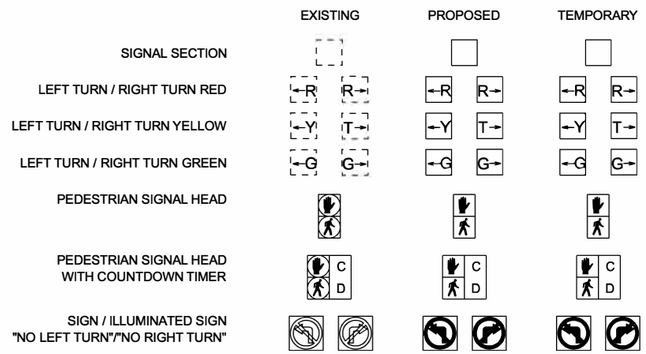
WAYFINDING PROFILE ELEVATION (SIDE)

WAYFINDING STREET ELEVATION (FRONT)

A WAYFINDING SIGN - DETAIL
SCALE: 1/2"=1'-0"

TRAFFIC SIGNAL PLAN LEGEND





GENERAL TRAFFIC SIGNAL NOTES

1. EXISTING SURFACE DISTURBED DURING EXCAVATION FOR FOUNDATIONS AND PUSH PITS SHALL BE RESTORED TO THE LIMITS AND CONDITION SPECIFIED BY THE ENGINEER OR AS SHOWN ON THE PLANS. UNLESS NOTED OTHERWISE ON THE PLANS THE REMOVAL AND RESTORATION SHALL BE INCLUDED IN THE CONTRACT.
2. CABLE QUANTITIES ARE MEASURED IN PLAN VIEW.
3. THE LOCATION OF THE DETECTOR LOOPS AND TRAFFIC SIGNAL FOUNDATIONS, AS SHOWN ON THE PLANS, MAY BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER OF TRAFFIC OPERATIONS.
4. THE TRAFFIC OPERATIONS ENGINEER SHALL BE NOTIFIED PRIOR TO CONSTRUCTION OF MAST ARM AND CONTROLLER FOUNDATIONS, HANDHOLES, GULFBOX JUNCTIONS, AND TEMPORARY SIGNALS AND SHALL APPROVE THE LOCATIONS OF EACH AND MAY ADJUST THEM TO FIT FIELD CONDITIONS.

TRAFFIC SIGNAL SUMMARY OF QUANTITIES

CODE NO.	DESCRIPTION	UNIT	QUANTITY 12TH&3RD	QUANTITY 12TH&7TH	QUANTITY TOTAL
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	82	55	137
81028360	UNDERGROUND CONDUIT, PVC, 2 ½" DIA.	FOOT	111	105	216
81028370	UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	72	33	105
81028390	UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	272	328	600
81400100	HANDHOLE	EACH	6	4	10
81400300	DOUBLE HANDHOLE	EACH	1	1	2
81702120	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	711	0	711
82110004	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION D	EACH	4	0	4
85700310	RAILROAD, FULL-ACTUATED CONTROLLER AND TYPE V CABINET	EACH	1	1	2
86200200	UNINTERRUPTABLE POWER SUPPLY, STANDARD	EACH	1	1	2
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1044	445	1489
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1263	917	2179
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1604	799	2403
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1642	1550	3192
87301750	ELECTRIC CABLE IN CONDUIT, RAILROAD, NO. 14 3C	FOOT	253	329	582
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	65	37	102
87502460	TRAFFIC SIGNAL POST, GALVANIZED STEEL 12 FT.	EACH	1	0	1
87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	3	3	6
87700160	STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.	EACH	0	1	1
87700200	STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1	0	1
87700220	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	0	1	1
87700250	STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	0	1	1
87700310	STEEL MAST ARM ASSEMBLY AND POLE, 54 FT.	EACH	0	1	1
87702920	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 38 FT. *	EACH	1	0	1
87702940	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 42 FT. *	EACH	1	0	1
87702980	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 50 FT. *	EACH	1	0	1
87702990	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 54 FT. *	EACH	1	0	1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	28	16	44
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4	4	8
87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	0	10	10
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	65	39	104
88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	7	4	11
88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2	0	2
88030070	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	3	0	3
88030080	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	3	0	3
88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2	4	6
88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2	4	6
88200100	TRAFFIC SIGNAL BACKPLATE	EACH	19	12	31
89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1	1	2
89100400	ILLUMINATED SIGN, LED	EACH	2	2	4
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1	1	2
89502380	REMOVE EXISTING HANDHOLE	EACH	7	6	13
89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	1	1	2
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	7	5	12
X1400214	SPARE RAILROAD, FULL ACTUATED CONTROLLER, SPECIAL	EACH	1	1	2
X8100105	CONDUIT SPLICE	EACH	4	0	4
X8250091	COMBINATION LIGHTING CONTROLLER	EACH	1	0	1
X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	6	2	8
X8760201	PEDESTRIAN PUSH-BUTTON POST	EACH	3	1	4
X8812815	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED, SPECIAL	EACH	6	2	8
X8891001	VIDEO VEHICLE DETECTION SYSTEM	EACH	1	1	2
X8900104	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1	1	2

* LUMINAIRE SHALL BE MOUNTED AT 35' HEIGHT ON 8' ARM UNLESS OTHERWISE NOTED ON PLANS

466200_PrSignals-Legend_CMT.dgn

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT EACH 1

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE CITY OF EAST MOLINE FOR SALVAGE.

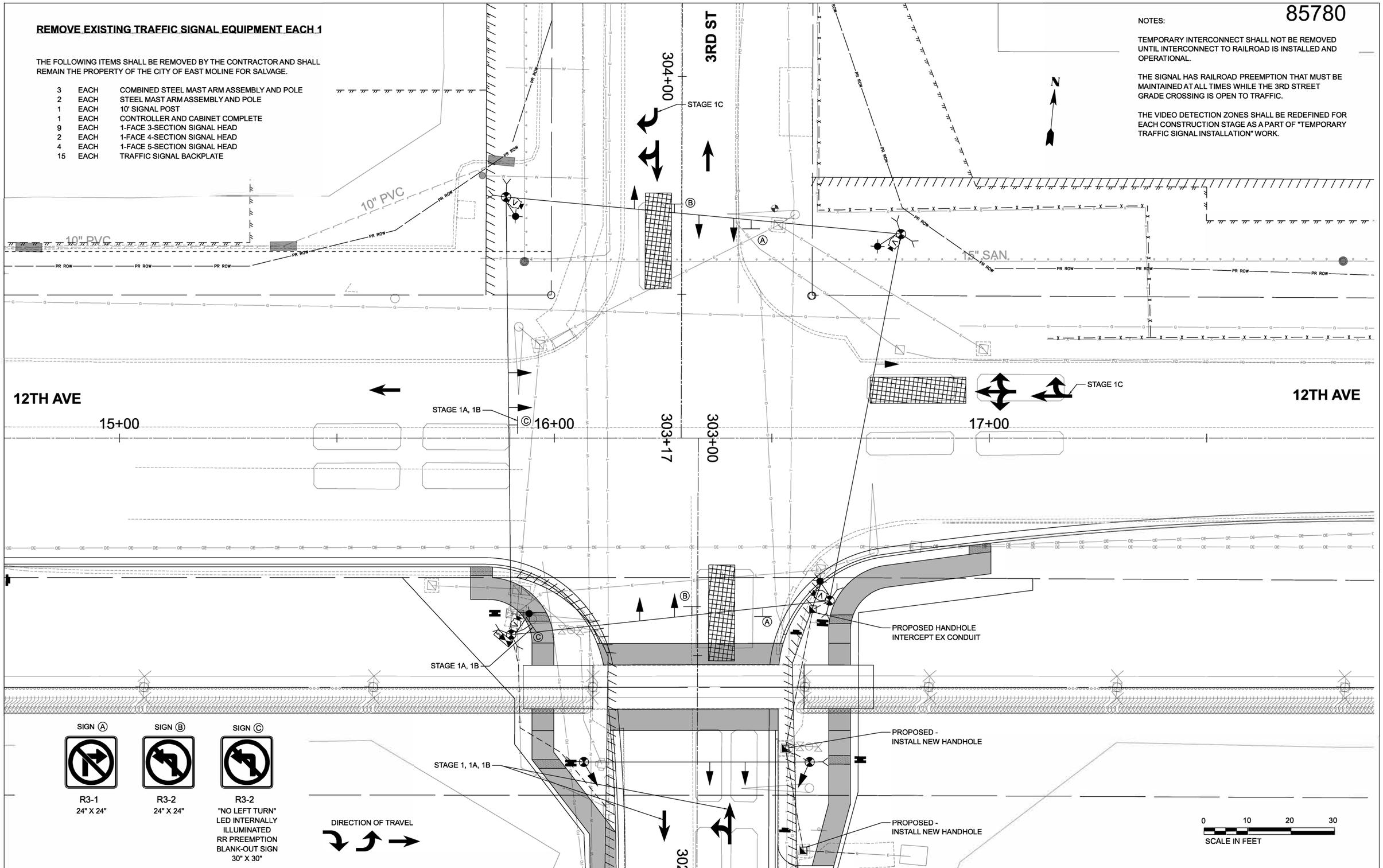
3	EACH	COMBINED STEEL MAST ARM ASSEMBLY AND POLE
2	EACH	STEEL MAST ARM ASSEMBLY AND POLE
1	EACH	10' SIGNAL POST
1	EACH	CONTROLLER AND CABINET COMPLETE
9	EACH	1-FACE 3-SECTION SIGNAL HEAD
2	EACH	1-FACE 4-SECTION SIGNAL HEAD
4	EACH	1-FACE 5-SECTION SIGNAL HEAD
15	EACH	TRAFFIC SIGNAL BACKPLATE

NOTES:

TEMPORARY INTERCONNECT SHALL NOT BE REMOVED UNTIL INTERCONNECT TO RAILROAD IS INSTALLED AND OPERATIONAL.

THE SIGNAL HAS RAILROAD PREEMPTION THAT MUST BE MAINTAINED AT ALL TIMES WHILE THE 3RD STREET GRADE CROSSING IS OPEN TO TRAFFIC.

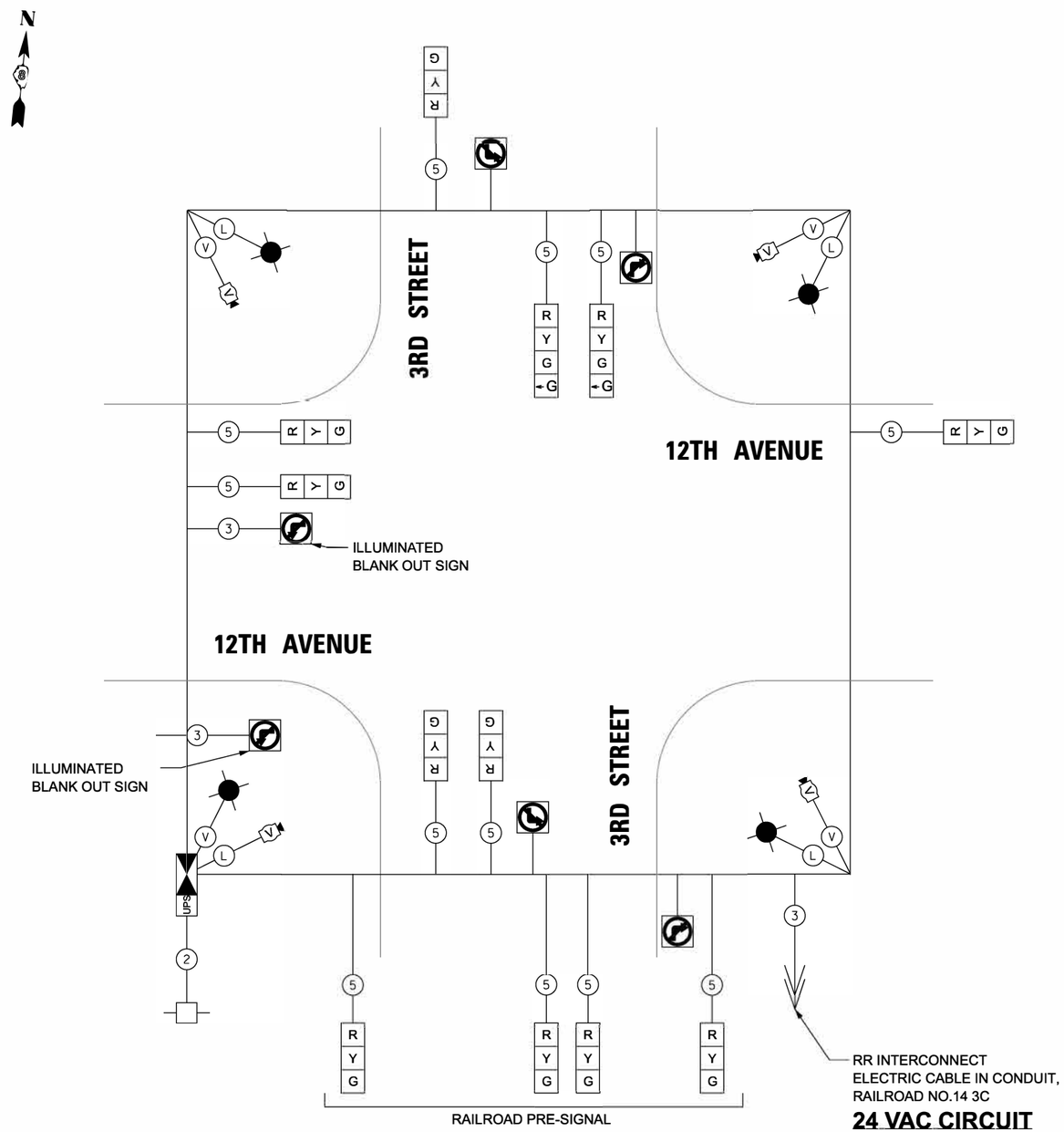
THE VIDEO DETECTION ZONES SHALL BE REDEFINED FOR EACH CONSTRUCTION STAGE AS A PART OF "TEMPORARY TRAFFIC SIGNAL INSTALLATION" WORK.



466200_PrSignals-Temp_CMT.dgn

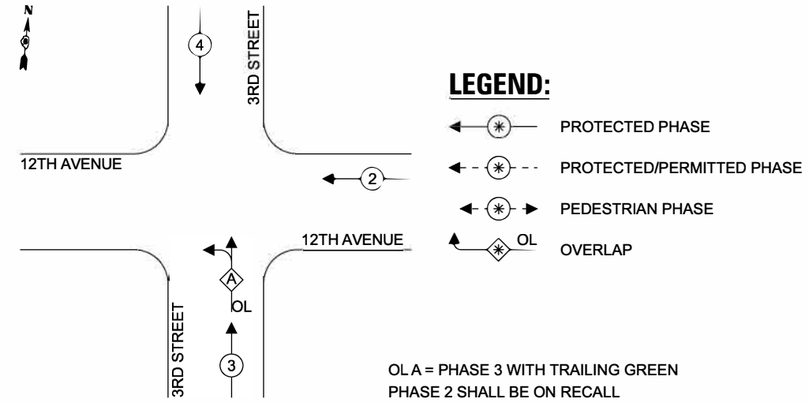
CMT	DESIGNED #### DATE - ####	12TH AVENUE RECONSTRUCTION	CITY OF EAST MOLINE
	DRAWN ####		
	CHECKED ####		
	PROJECT #: ####		

PROPOSED SIGNAL PLAN - TEMPORARY SIGNALS
12TH AVENUE AND 3RD STREET - STAGE 1, 1A, 1B, 1C



24 VAC CIRCUIT

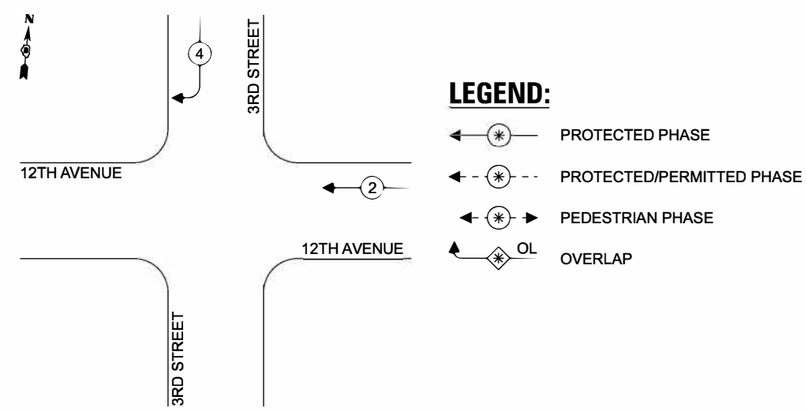
TEMPORARY CONTROLLER SEQUENCE – STAGE 1,1A,1B



NOTE:

UPON RR PREEMPTION ACTIVATION, THE ACTIVE PHASES SHALL CLEAR AND OVERLAP A SHALL BE DISPLAYED FOR TRACK CLEARANCE GREEN. AFTER TRACK CLEARANCE (OL A) CLEARS, THE TEMPORARY SIGNALS SHALL DWELL IN PHASE 2. WESTBOUND NO LEFT TURN BLANK OUT SIGNS SHALL BE DISPLAYED DURING RR PREEMPTION. UPON TERMINATION OF RR PREEMPTION, THE PROPER CLEARANCE INTERVALS SHALL BE DISPLAYED AND NORMAL OPERATION SHALL RESUME.

TEMPORARY CONTROLLER SEQUENCE – STAGE 1C



NOTE:

WESTBOUND NO LEFT TURN BLANK OUT SIGNS AND NORTHBOUND SIGNALS SHALL BE TURNED AND COVERED DURING CONSTRUCTION STAGE 1C.

DURING STAGE 1C, WHEN SOUTH LEG IS CLOSED TO TRAFFIC, THE RAILROAD INTERCONNECT SHALL BE JUMPERED OUT AND DISABLED, AND PHASE 3 SHALL BE DEACTIVATED. AT NO TIME SHALL THE RAILROAD INTERCONNECT BE DISABLED WHEN CROSSING IS OPEN TO VEHICULAR TRAFFIC.

466200_PrSignals-CableTemp_CMT.dgn

CMT	DESIGNED #### DATE - ####	12TH AVENUE RECONSTRUCTION	CITY OF EAST MOLINE	PROPOSED SIGNAL PLAN - TEMPORARY CABLE 12TH AVENUE AND 3RD STREET - STAGE 1, 1A, 1B, 1C
	DRAWN ####			
	CHECKED ####			
	PROJECT #: ####			

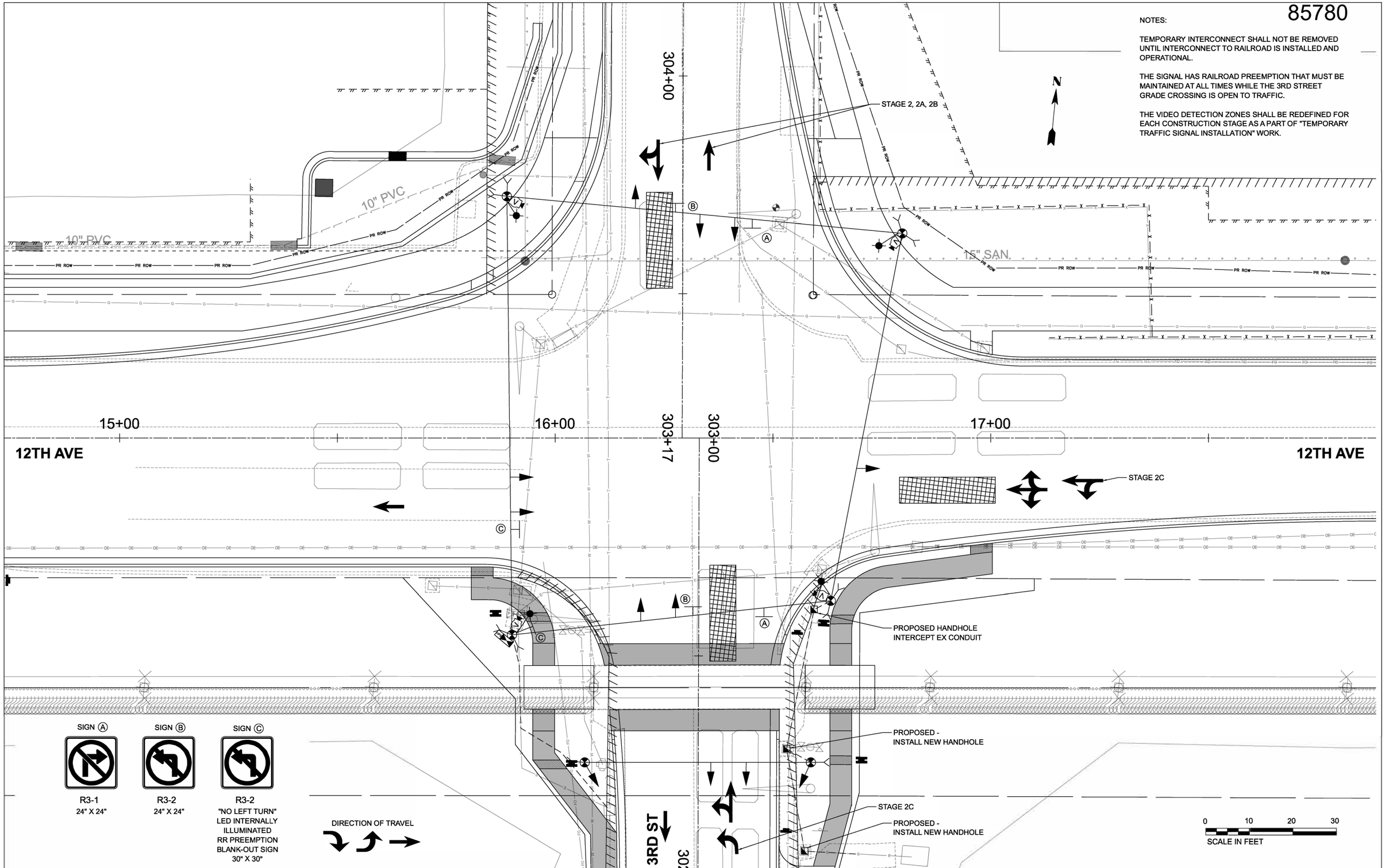
85780

NOTES:

TEMPORARY INTERCONNECT SHALL NOT BE REMOVED UNTIL INTERCONNECT TO RAILROAD IS INSTALLED AND OPERATIONAL.

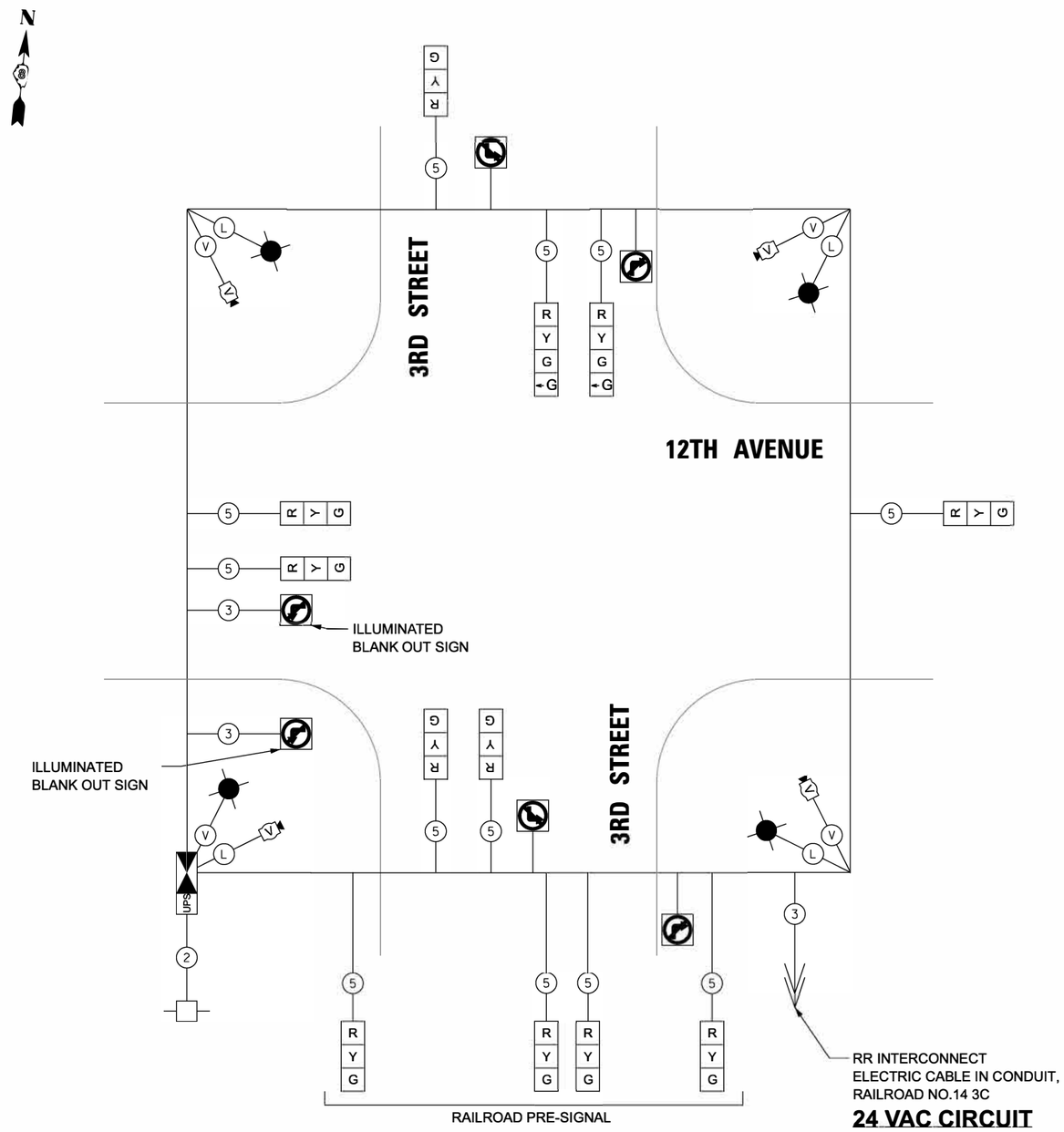
THE SIGNAL HAS RAILROAD PREEMPTION THAT MUST BE MAINTAINED AT ALL TIMES WHILE THE 3RD STREET GRADE CROSSING IS OPEN TO TRAFFIC.

THE VIDEO DETECTION ZONES SHALL BE REDEFINED FOR EACH CONSTRUCTION STAGE AS A PART OF "TEMPORARY TRAFFIC SIGNAL INSTALLATION" WORK.

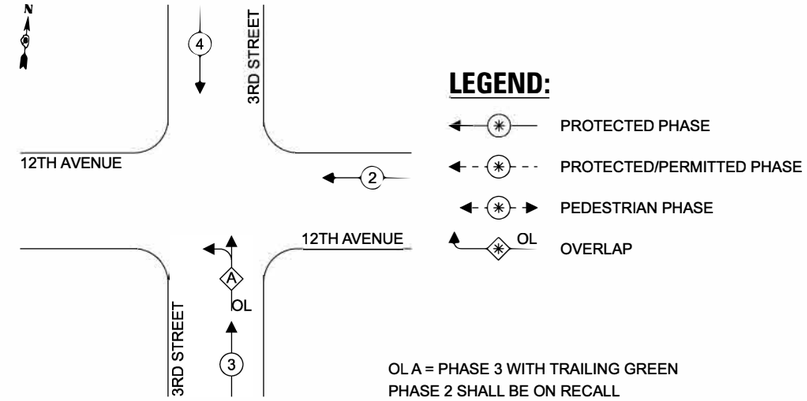


466200_PrSignals-Temp_CMT.dgn

CMT	DESIGNED #### DATE - ####	12TH AVENUE RECONSTRUCTION	PROPOSED SIGNAL PLAN - TEMPORARY SIGNALS 12TH AVENUE AND 3RD STREET - STAGE 2, 2A, 2B, 2C
	DRAWN ####	CITY OF EAST MOLINE	
	CHECKED ####		
	PROJECT #: ####		



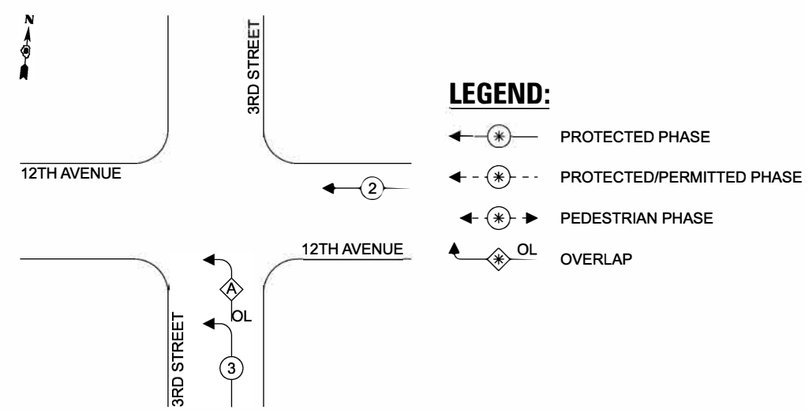
TEMPORARY CONTROLLER SEQUENCE – STAGE 2,2A,2B



NOTE:

UPON RR PREEMPTION ACTIVATION, THE ACTIVE PHASES SHALL CLEAR AND OVERLAP A SHALL BE DISPLAYED FOR TRACK CLEARANCE GREEN. AFTER TRACK CLEARANCE (OL A) CLEARS, THE TEMPORARY SIGNALS SHALL DWELL IN PHASE 2. WESTBOUND NO LEFT TURN BLANK OUT SIGNS SHALL BE DISPLAYED DURING RR PREEMPTION. UPON TERMINATION OF RR PREEMPTION, THE PROPER CLEARANCE INTERVALS SHALL BE DISPLAYED AND NORMAL OPERATION SHALL RESUME.

TEMPORARY CONTROLLER SEQUENCE – STAGE 2C



NOTE:

SOUTHBOUND SIGNALS SHALL BE TURNED AND COVERED DURING CONSTRUCTION STAGE 2C.

466200_PrSignals-CableTemp_CMT.dgn

CMT	DESIGNED #### DATE - ####	12TH AVENUE RECONSTRUCTION	CITY OF EAST MOLINE	PROPOSED SIGNAL PLAN - TEMPORARY CABLE 12TH AVENUE AND 3RD STREET - STAGE 2, 2A, 2B, 2C
	DRAWN ####			
	CHECKED ####			
	PROJECT #: ####			

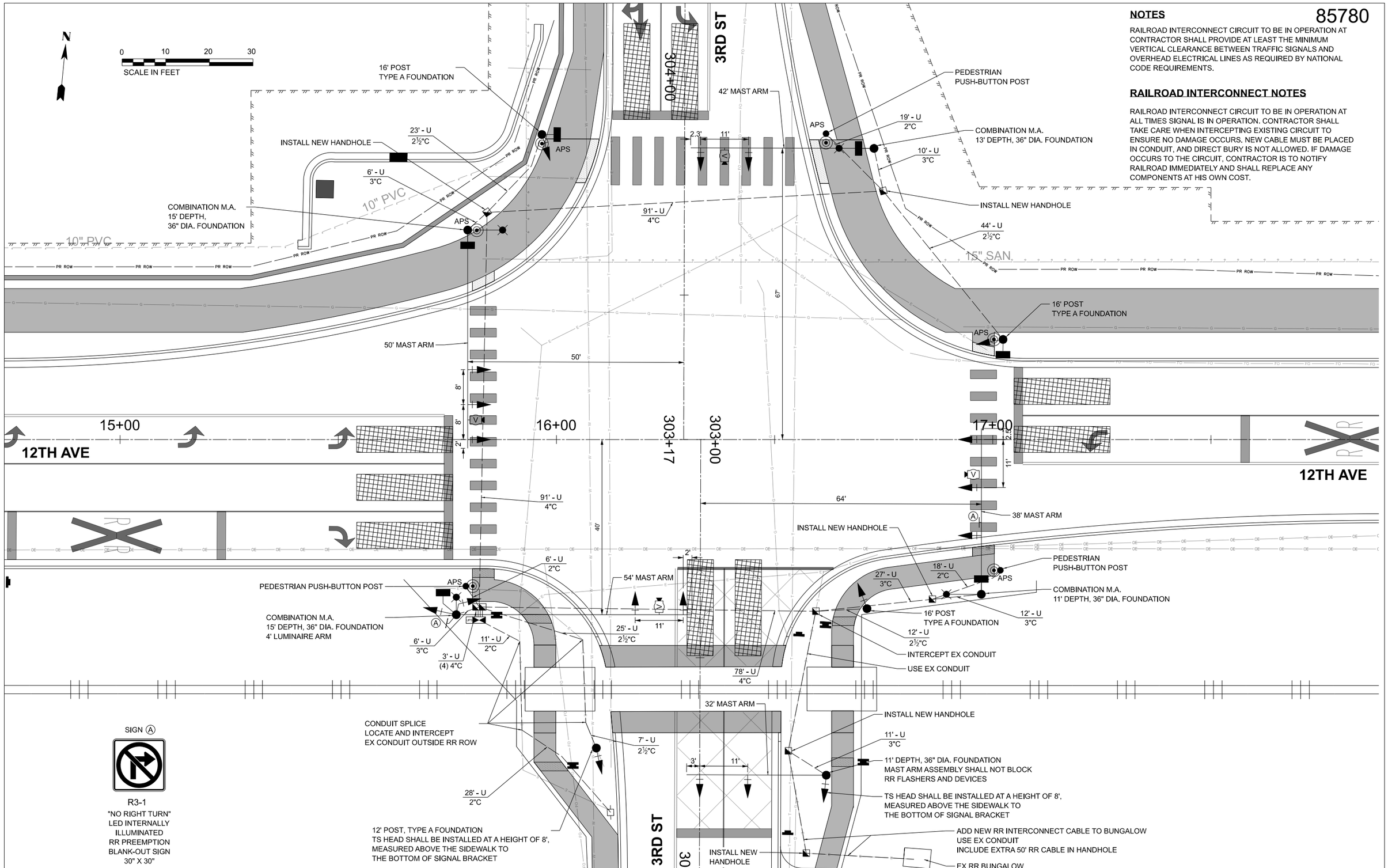
85780

NOTES

RAILROAD INTERCONNECT CIRCUIT TO BE IN OPERATION AT CONTRACTOR SHALL PROVIDE AT LEAST THE MINIMUM VERTICAL CLEARANCE BETWEEN TRAFFIC SIGNALS AND OVERHEAD ELECTRICAL LINES AS REQUIRED BY NATIONAL CODE REQUIREMENTS.

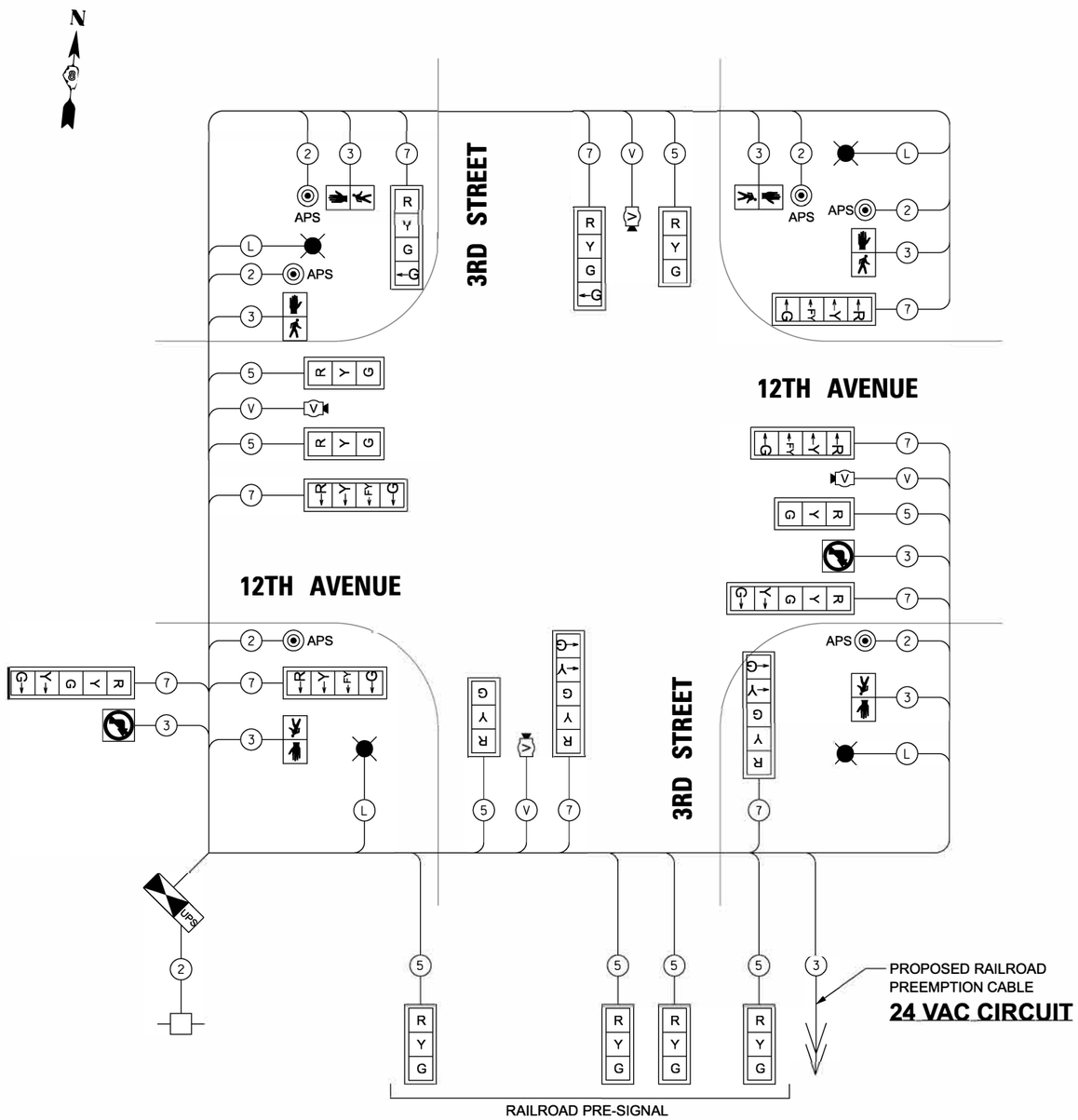
RAILROAD INTERCONNECT NOTES

RAILROAD INTERCONNECT CIRCUIT TO BE IN OPERATION AT ALL TIMES SIGNAL IS IN OPERATION. CONTRACTOR SHALL TAKE CARE WHEN INTERCEPTING EXISTING CIRCUIT TO ENSURE NO DAMAGE OCCURS. NEW CABLE MUST BE PLACED IN CONDUIT, AND DIRECT BURY IS NOT ALLOWED. IF DAMAGE OCCURS TO THE CIRCUIT, CONTRACTOR IS TO NOTIFY RAILROAD IMMEDIATELY AND SHALL REPLACE ANY COMPONENTS AT HIS OWN COST.

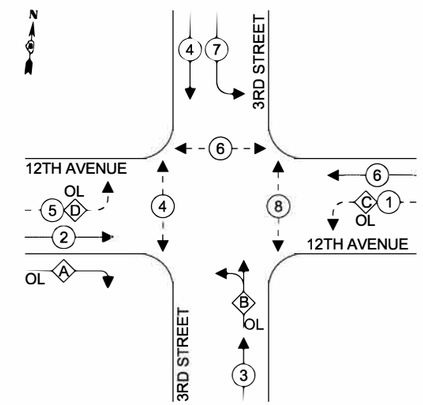


466200_PrSignals_CMT.dgn

CMT	DESIGNED #### DATE - ####	12TH AVENUE RECONSTRUCTION	CITY OF EAST MOLINE
	DRAWN ####		PROPOSED SIGNAL PLAN
	CHECKED ####		12TH AVENUE AND 3RD STREET
	PROJECT #: ####		SHEET 150 OF 214



PROPOSED CONTROLLER SEQUENCE



LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL — OVERLAP

OL A = P3 WITH TRAILING GREEN
OL B = P3 WITH TRAILING GREEN

FLASHING YELLOW ARROW
OL C = P1 - G/Y; P2 + GRN
OL D = P5 - G/Y; P6 + GRN

P2 AND P6 SHALL BE ON RECALL
P3 IS NOT COMPATIBLE WITH P7

NOTES:

UPON RR PREEMPTION ACTIVATION, THE ACTIVE PHASES SHALL CLEAR AND OVERLAP B SHALL BE DISPLAYED FOR TRACK CLEARANCE GREEN. PEDESTRIAN CLEARANCE SHALL BE LIMITED TO FL DW THROUGH THE YELLOW CLEARANCE INTERVAL ONLY WHEN CLEARING TO RR PREEMPTION. AFTER TRACK CLEARANCE (OVERLAP B) CLEARS, THE SIGNALS SHALL DWELL IN PHASES 2+6 AND THEN CYCLE BETWEEN PHASE 7 AND PHASES 2+6. A RED WESTBOUND LEFT INDICATION AND EASTBOUND NO RIGHT TURN BLANK OUT SIGNS SHALL BE DISPLAYED DURING RR PREEMPTION. UPON TERMINATION OF RR PREEMPTION, THE PROPER CLEARANCE INTERVALS SHALL BE DISPLAYED AND NORMAL OPERATION SHALL RESUME.

(L) ELECTRIC CABLE IN CONDUIT, 600V 1/C NO.8

466200_PrSignals-Cable_CMT.dgn

CMT	DESIGNED #### DATE - ####	12TH AVENUE RECONSTRUCTION	CITY OF EAST MOLINE	PROPOSED SIGNAL PLAN - CABLE 12TH AVENUE AND 3RD STREET
	DRAWN ####			
	CHECKED ####			
	PROJECT #: ####			

85780

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT EACH 1

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE CITY OF EAST MOLINE FOR SALVAGE.

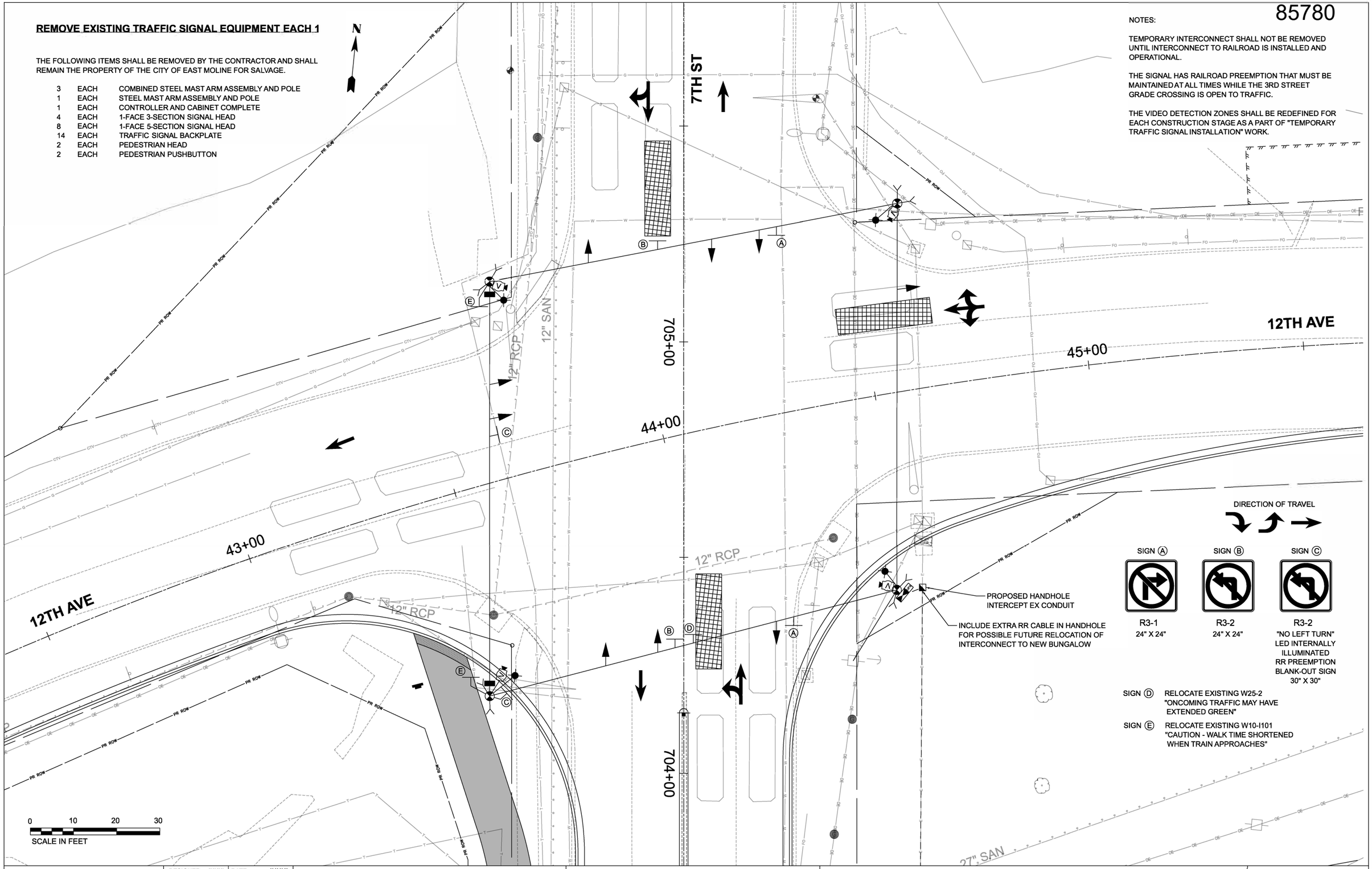
3	EACH	COMBINED STEEL MAST ARM ASSEMBLY AND POLE
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE
1	EACH	CONTROLLER AND CABINET COMPLETE
4	EACH	1-FACE 3-SECTION SIGNAL HEAD
8	EACH	1-FACE 5-SECTION SIGNAL HEAD
14	EACH	TRAFFIC SIGNAL BACKPLATE
2	EACH	PEDESTRIAN HEAD
2	EACH	PEDESTRIAN PUSHBUTTON

NOTES:

TEMPORARY INTERCONNECT SHALL NOT BE REMOVED UNTIL INTERCONNECT TO RAILROAD IS INSTALLED AND OPERATIONAL.

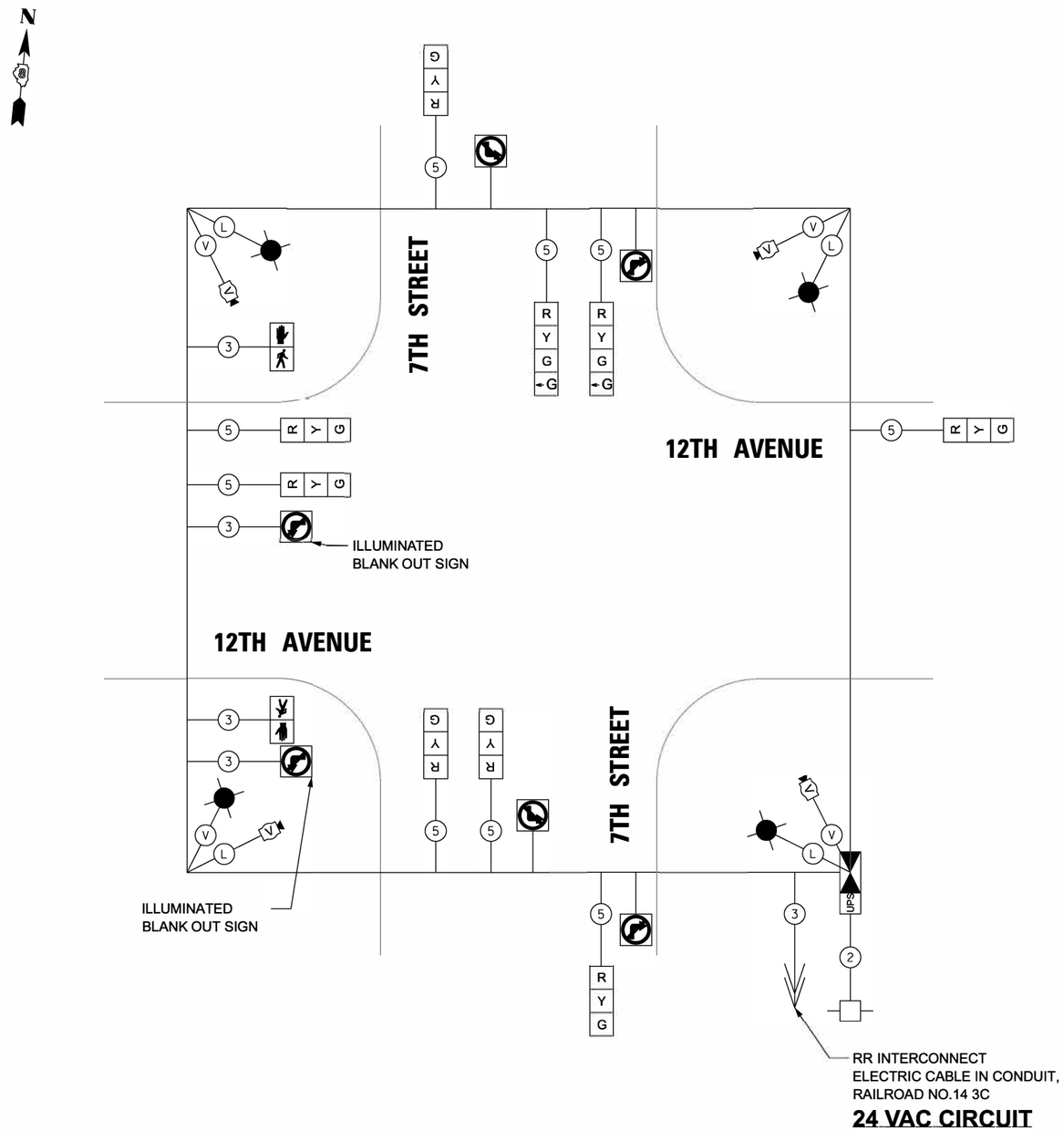
THE SIGNAL HAS RAILROAD PREEMPTION THAT MUST BE MAINTAINED AT ALL TIMES WHILE THE 3RD STREET GRADE CROSSING IS OPEN TO TRAFFIC.

THE VIDEO DETECTION ZONES SHALL BE REDEFINED FOR EACH CONSTRUCTION STAGE AS A PART OF "TEMPORARY TRAFFIC SIGNAL INSTALLATION" WORK.

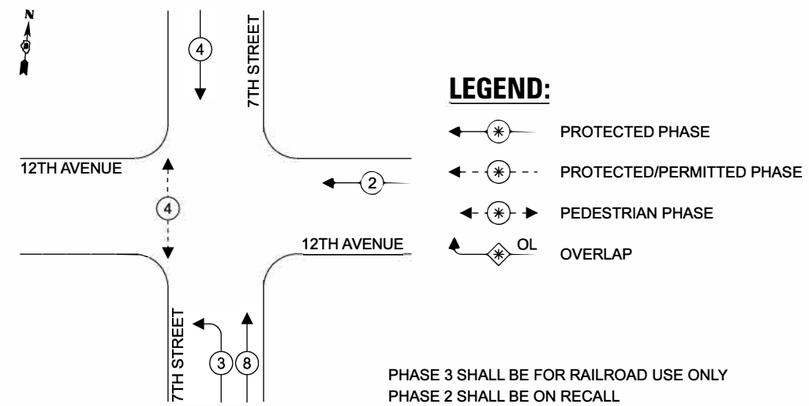


466200_PrSignals-Temp_CMT.dgn

CMT	DESIGNED #### DATE - ####	12TH AVENUE RECONSTRUCTION	PROPOSED SIGNAL PLAN - TEMPORARY SIGNALS
	DRAWN ####		12TH AVENUE AND 7TH STREET - STAGE 1, 1A, 1B, 1C
	CHECKED ####	CITY OF EAST MOLINE	
	PROJECT #: ####		



TEMPORARY CONTROLLER SEQUENCE – STAGE 1,1A,1B,1C



PHASE 3 SHALL BE FOR RAILROAD USE ONLY
PHASE 2 SHALL BE ON RECALL

NOTE:

UPON RR PREEMPTION ACTIVATION, THE ACTIVE PHASES SHALL CLEAR AND PHASE 3+8 SHALL BE DISPLAYED FOR TRACK CLEARANCE GREEN. IF PHASE 8 IS ACTIVE IMMEDIATELY BEFORE RR PREEMPTION ACTIVATION, PHASE 8 SHALL REMAIN ACTIVE FOR TRACK CLEARANCE GREEN. PEDESTRIAN CLEARANCE SHALL BE LIMITED TO FL DW THROUGH THE YELLOW CLEARANCE INTERVAL ONLY WHEN CLEARING TO RR PREEMPTION. AFTER TRACK CLEARANCE (PHASE 3+8) CLEARS, THE TEMPORARY SIGNALS SHALL DWELL IN PHASE 2. WESTBOUND NO LEFT TURN BLANK OUT SIGNS SHALL BE DISPLAYED DURING RR PREEMPTION. UPON TERMINATION OF RR PREEMPTION, THE PROPER CLEARANCE INTERVALS SHALL BE DISPLAYED AND NORMAL OPERATION SHALL RESUME.

466200_PrSignals-CableTemp_CMT.dgn

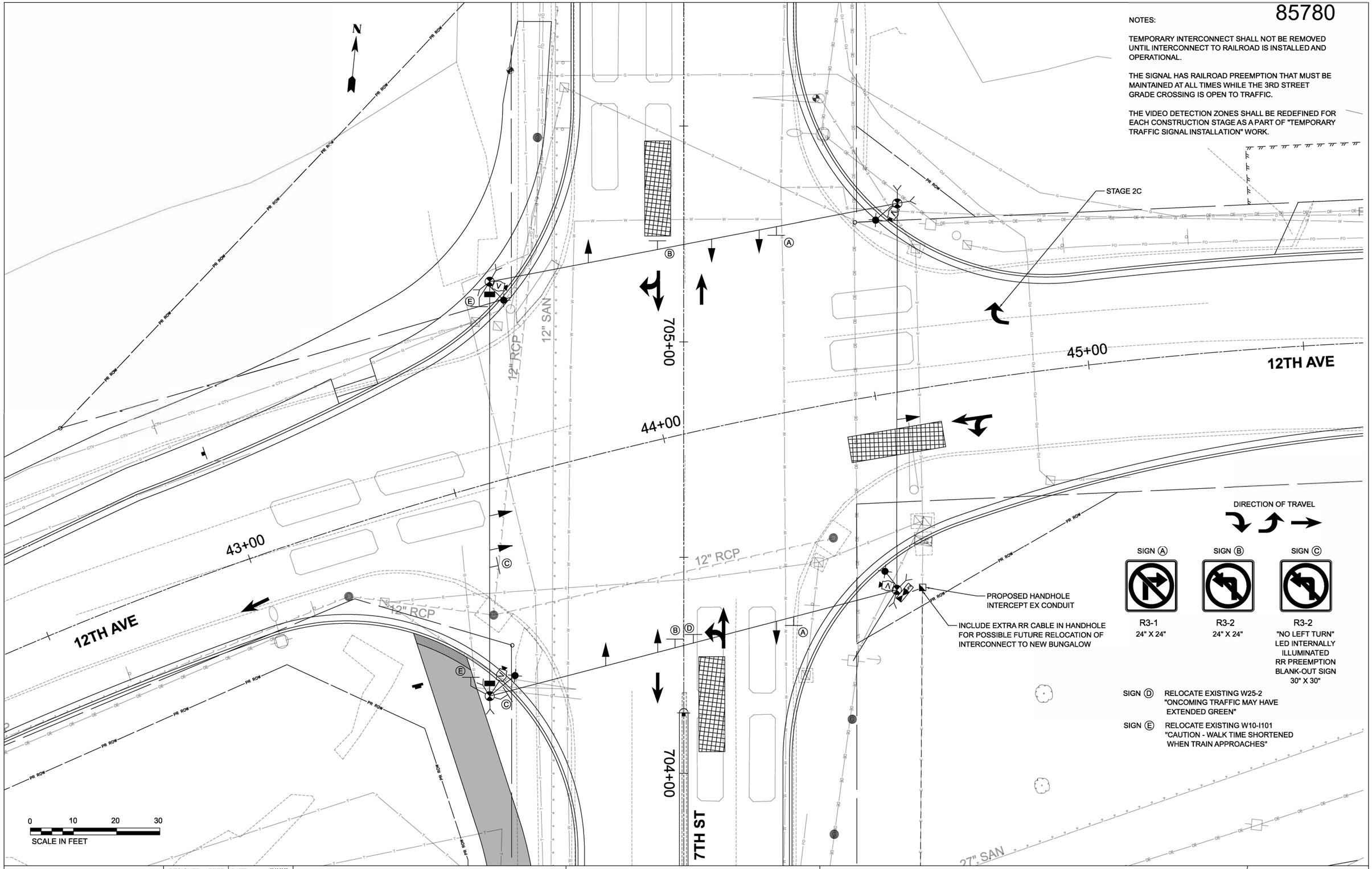
CMT	DESIGNED #### DATE - ####	12TH AVENUE RECONSTRUCTION	CITY OF EAST MOLINE	PROPOSED SIGNAL PLAN - TEMPORARY CABLE 12TH AVENUE AND 7TH STREET - STAGE 1, 1A, 1B, 1C	SHEET 153 OF 214
	DRAWN ####				
	CHECKED ####				
	PROJECT #: ####				

NOTES:

TEMPORARY INTERCONNECT SHALL NOT BE REMOVED UNTIL INTERCONNECT TO RAILROAD IS INSTALLED AND OPERATIONAL.

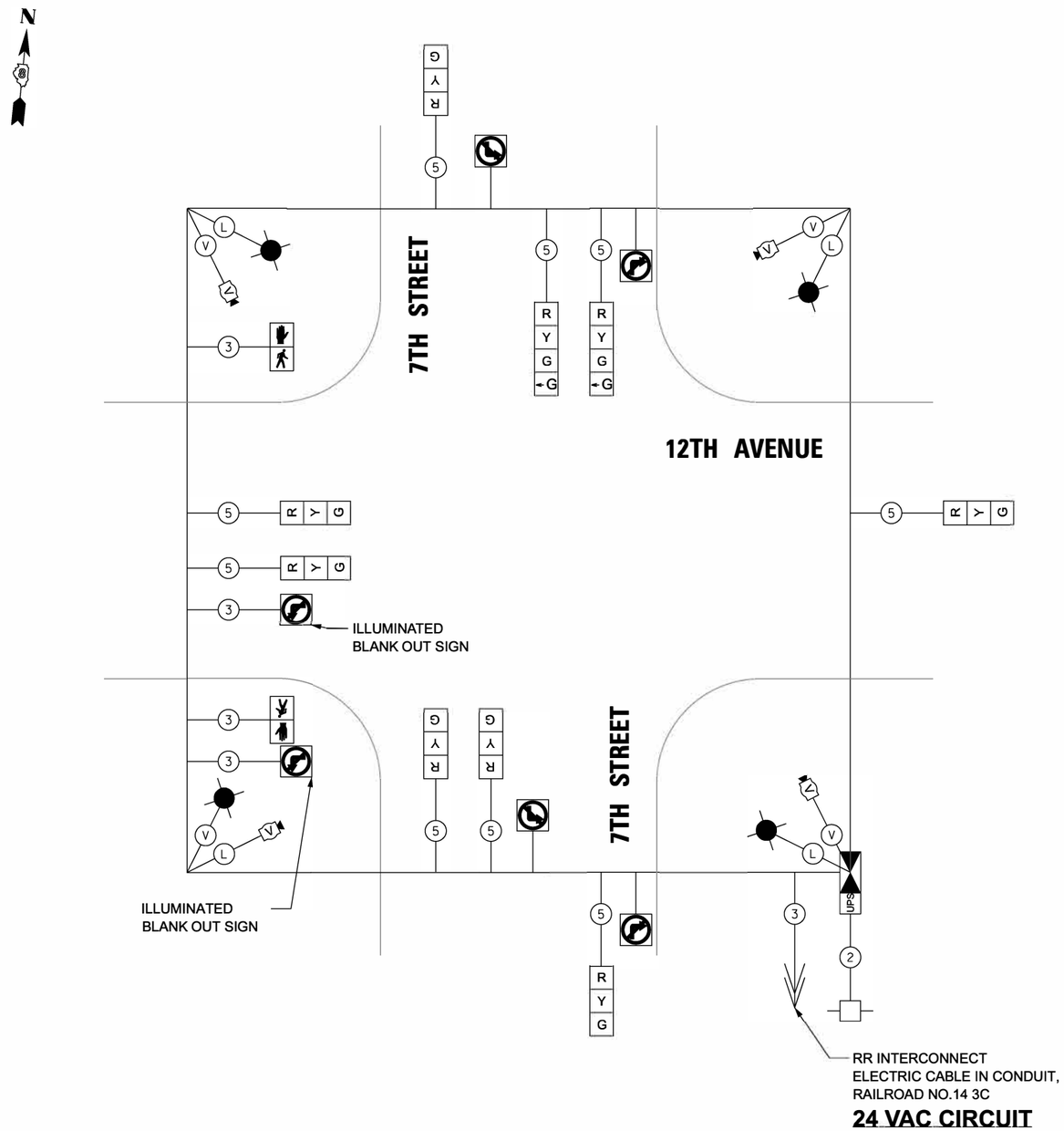
THE SIGNAL HAS RAILROAD PREEMPTION THAT MUST BE MAINTAINED AT ALL TIMES WHILE THE 3RD STREET GRADE CROSSING IS OPEN TO TRAFFIC.

THE VIDEO DETECTION ZONES SHALL BE REDEFINED FOR EACH CONSTRUCTION STAGE AS A PART OF "TEMPORARY TRAFFIC SIGNAL INSTALLATION" WORK.

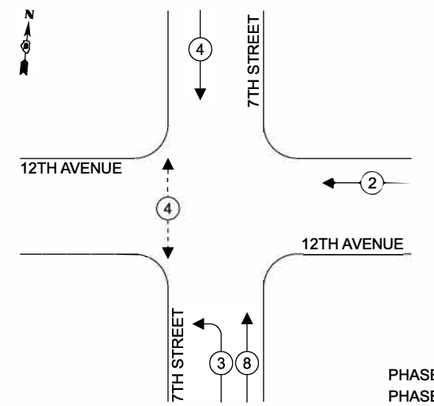


466200_PrSignals-Temp_CMT.dgn

CMT	DESIGNED #### DATE - ####	12TH AVENUE RECONSTRUCTION	PROPOSED SIGNAL PLAN - TEMPORARY SIGNALS
	DRAWN ####		12TH AVENUE AND 7TH STREET - STAGE 2, 2A, 2B, 2C
	CHECKED ####	CITY OF EAST MOLINE	
	PROJECT #: ####		



TEMPORARY CONTROLLER SEQUENCE – STAGE 2,2A,2B,2C



LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL OVERLAP

PHASE 3 SHALL BE FOR RAILROAD USE ONLY
PHASE 2 SHALL BE ON RECALL

NOTE:

UPON RR PREEMPTION ACTIVATION, THE ACTIVE PHASES SHALL CLEAR AND PHASE 3+8 SHALL BE DISPLAYED FOR TRACK CLEARANCE GREEN. IF PHASE 8 IS ACTIVE IMMEDIATELY BEFORE RR PREEMPTION ACTIVATION, PHASE 8 SHALL REMAIN ACTIVE FOR TRACK CLEARANCE GREEN. PEDESTRIAN CLEARANCE SHALL BE LIMITED TO FL DW THROUGH THE YELLOW CLEARANCE INTERVAL ONLY WHEN CLEARING TO RR PREEMPTION. AFTER TRACK CLEARANCE (PHASE 3+8) CLEARS, THE TEMPORARY SIGNALS SHALL DWELL IN PHASE 2. WESTBOUND NO LEFT TURN BLANK OUT SIGNS SHALL BE DISPLAYED DURING RR PREEMPTION. UPON TERMINATION OF RR PREEMPTION, THE PROPER CLEARANCE INTERVALS SHALL BE DISPLAYED AND NORMAL OPERATION SHALL RESUME.

466200_PrSignals-CableTemp_CMT.dgn

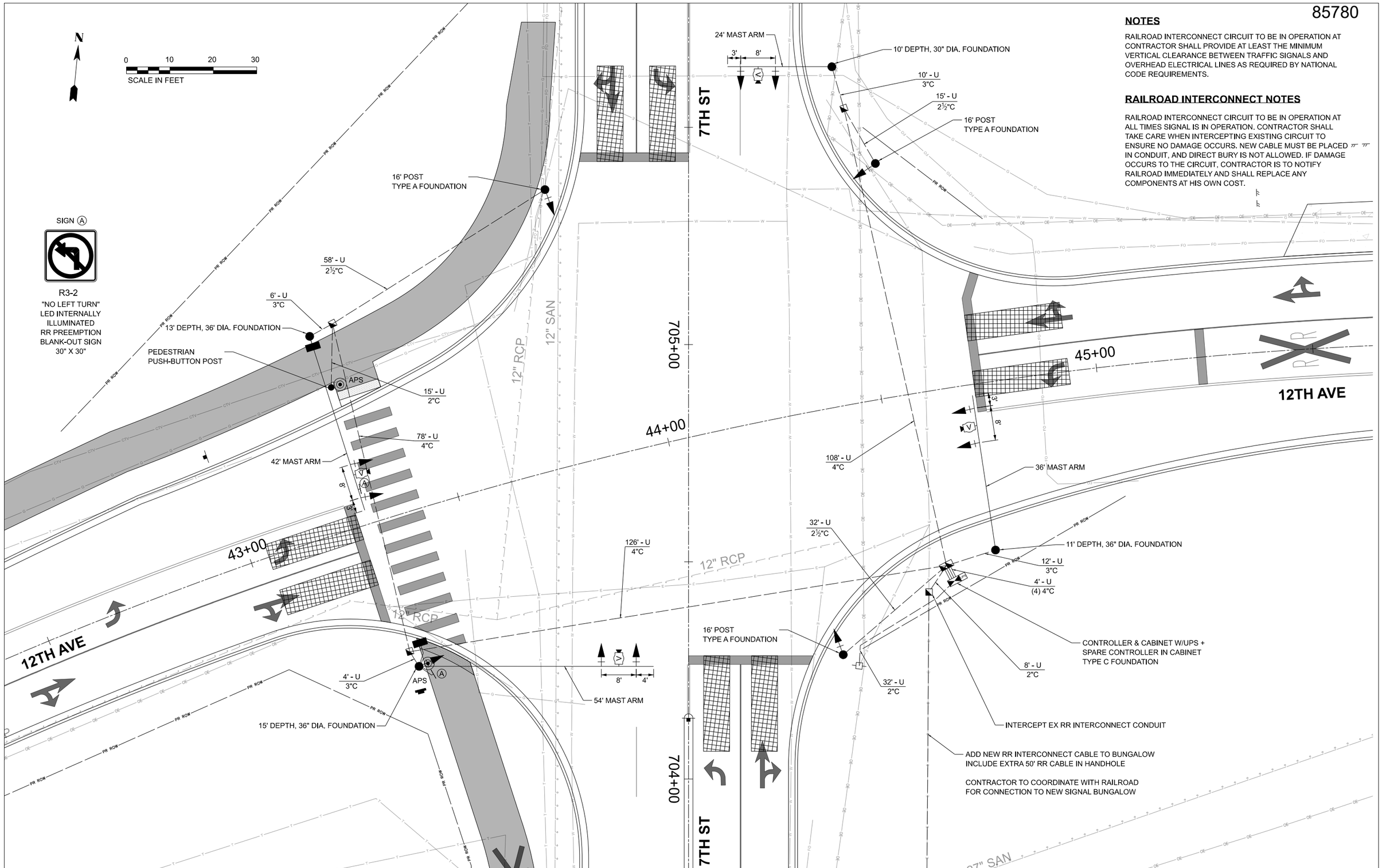
CMT	DESIGNED #### DATE - ####	12TH AVENUE RECONSTRUCTION	CITY OF EAST MOLINE	PROPOSED SIGNAL PLAN - TEMPORARY CABLE 12TH AVENUE AND 7TH STREET - STAGE 2, 2A, 2B, 2C	SHEET 155 OF 214
	DRAWN ####				
	CHECKED ####				
	PROJECT #: ####				

NOTES

RAILROAD INTERCONNECT CIRCUIT TO BE IN OPERATION AT CONTRACTOR SHALL PROVIDE AT LEAST THE MINIMUM VERTICAL CLEARANCE BETWEEN TRAFFIC SIGNALS AND OVERHEAD ELECTRICAL LINES AS REQUIRED BY NATIONAL CODE REQUIREMENTS.

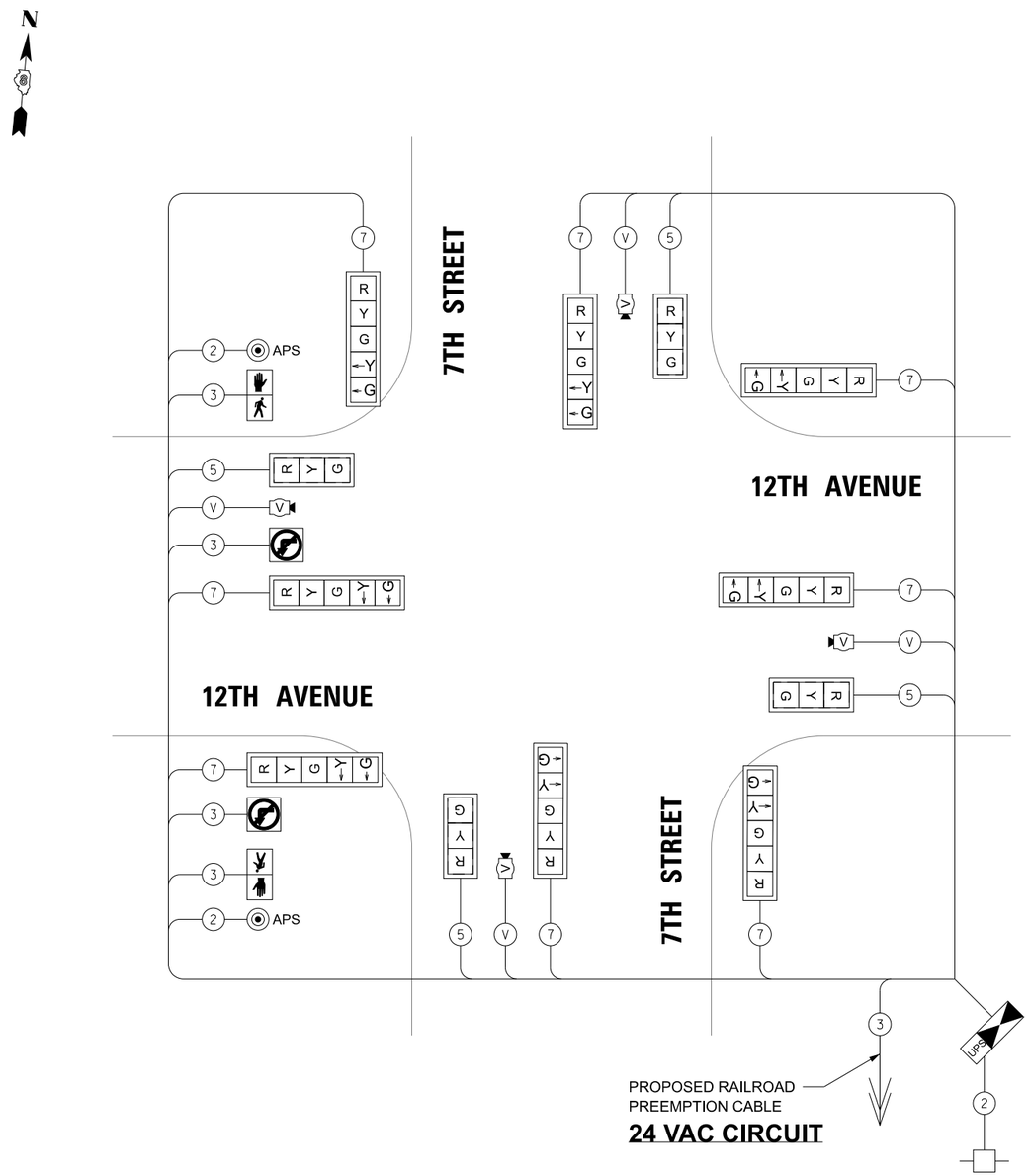
RAILROAD INTERCONNECT NOTES

RAILROAD INTERCONNECT CIRCUIT TO BE IN OPERATION AT ALL TIMES SIGNAL IS IN OPERATION. CONTRACTOR SHALL TAKE CARE WHEN INTERCEPTING EXISTING CIRCUIT TO ENSURE NO DAMAGE OCCURS. NEW CABLE MUST BE PLACED IN CONDUIT, AND DIRECT BURY IS NOT ALLOWED. IF DAMAGE OCCURS TO THE CIRCUIT, CONTRACTOR IS TO NOTIFY RAILROAD IMMEDIATELY AND SHALL REPLACE ANY COMPONENTS AT HIS OWN COST.



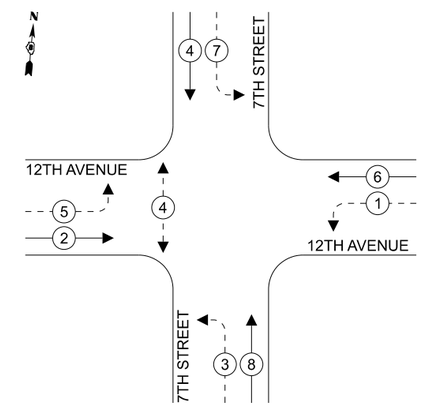
466200_PrSignals_CMT.dgn

CMT	DESIGNED #### DATE - ####	12TH AVENUE RECONSTRUCTION	PROPOSED SIGNAL PLAN 12TH AVENUE AND 7TH STREET
	DRAWN ####		
	CHECKED ####	CITY OF EAST MOLINE	
	PROJECT #: ####		



24 VAC CIRCUIT

PROPOSED CONTROLLER SEQUENCE



LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL OVERLAP

P2 AND P6 SHALL BE ON RECALL

NOTE:

UPON RR PREEMPTION ACTIVATION, THE ACTIVE PHASES SHALL CLEAR AND PHASES 3+8 SHALL BE DISPLAYED FOR TRACK CLEARANCE GREEN. IF PHASES 3+8 ARE ACTIVE IMMEDIATELY BEFORE RR PREEMPTION ACTIVATION, PHASES 3+8 SHALL REMAIN ACTIVE FOR TRACK CLEARANCE GREEN. PEDESTRIAN CLEARANCE SHALL BE LIMITED TO FL DW THROUGH THE YELLOW CLEARANCE INTERVAL ONLY WHEN CLEARING TO RR PREEMPTION. AFTER TRACK CLEARANCE (PHASES 3+8) CLEARS, THE SIGNALS SHALL DWELL IN PHASES 2+6 AND THEN CYCLE BETWEEN PHASE 7 AND PHASES 2+6. WESTBOUND NO LEFT TURN BLANK OUT SIGNS SHALL BE DISPLAYED DURING RR PREEMPTION. UPON TERMINATION OF RR PREEMPTION, THE PROPER CLEARANCE INTERVALS SHALL BE DISPLAYED AND NORMAL OPERATION SHALL RESUME.

466200_PrSignals-Cable_CMT.dgn

LIGHTING LEGEND

—— E ——	UNDERGROUND ELECTRIC CONDUIT AND WIRING. SEE CIRCUIT DIAGRAM FOR CONDUIT AND WIRING.
	UTILITY POLE
	PANELBOARD
H	HANDHOLE
	PROPOSED LIGHTING UNIT (35FT MOUNTING HEIGHT, 3FT ARM, 240V) TO BE PROVIDED AND INSTALLED BY OTHERS
	EXISTING LIGHTING UNIT TO BE RELOCATED
	RELOCATED LIGHTING UNIT

LIGHTING SUMMARY OF QUANTITIES

CODE NO.	DESCRIPTION	UNIT	QUANTITY
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	6256
81702120	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	2859
83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	12
84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	2
XX007125	HANDHOLE SPECIAL 12" X 12"	EACH	59
XX008431	PANELBOARD, NEMA 4X, SPECIAL	EACH	1

LIGHTING CRITERIA	
ROADWAY CLASSIFICATION	COLLECTOR, COMMERCIAL
PEDESTRIAN ACTIVITY LEVEL	HIGH
AVG. MAINTAINED HORIZONTAL ILLUMINANCE (fc)	0.8
UNIFORMITY RATIO AVG/MIN	4.0
VEILING LUMINANCE RATIO	0.4

ELECTRICAL EQUIPMENT SCHEDULE
PROPOSED ELECTRICAL EQUIPMENT LOCATIONS

CONTROLLER #	STATION	O/S	
LP1	23+27.31	31.26'	LT

UTILITY POLE SCHEDULE
EXISTING UTILITY POLE CONNECTION LOCATIONS

POLE #	STATION	O/S	
P1	1+76.43	39.98'	RT
P2	14+39.62	41.25'	LT
P3	21+51.41	30.71'	LT
P4	28+88.81	19.43'	RT
P5	36+41.34	31.53'	LT
P6	706+00.16	37.60'	RT
P7	704+26.07	39.27'	RT
P8	703+48.67	41.58'	LT

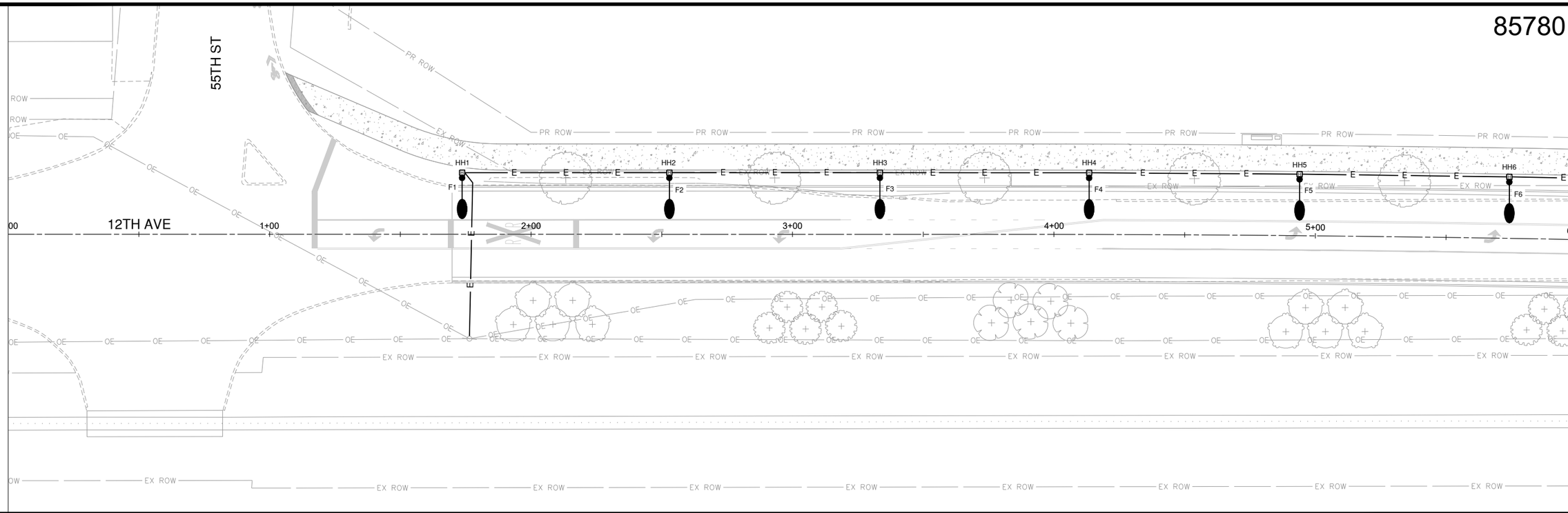
LIGHT FIXTURE SCHEDULE
PROPOSED LIGHT FIXTURE LOCATIONS

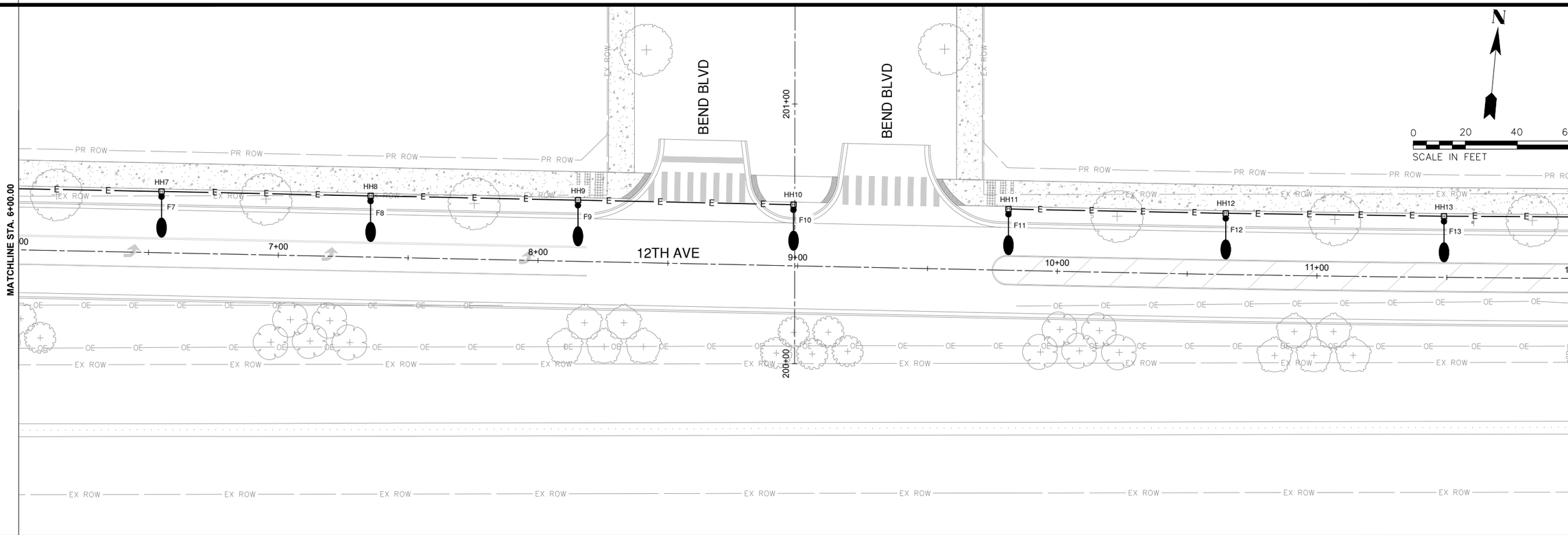
FIXTURE #	STATION	O/S	
F1	1+73.64	21.57'	LT
F2	2+52.92	21.58'	LT
F3	3+33.43	21.60'	LT
F4	4+13.40	21.59'	LT
F5	4+93.76	21.56'	LT
F6	5+73.81	21.52'	LT
F7	6+54.59	21.59'	LT
F8	7+35.09	21.58'	LT
F9	8+14.96	21.58'	LT
F10	8+97.96	21.57'	LT
F11	9+80.74	21.57'	LT
F12	10+64.49	21.58'	LT
F13	11+48.68	21.58'	LT
F14	12+32.04	21.64'	LT
F15	13+15.33	21.61'	LT
F16	13+95.88	21.58'	LT
F17	14+62.30	21.58'	LT
F18	15+24.59	35.58'	LT
F19	16+87.89	39.48'	LT
F20	17+71.78	21.58'	LT
F21	18+56.96	21.58'	LT
F22	19+42.03	19.62'	LT
F23	20+26.56	18.33'	LT
F24	21+02.69	17.16'	LT
F25	21+79.42	16.00'	LT
F26	22+55.48	15.92'	LT
F27	23+31.88	16.08'	LT
F28	24+08.37	16.08'	LT
F29	24+84.08	16.08'	LT
F30	25+59.72	16.08'	LT
F31	26+40.42	16.08'	LT
F32	27+26.12	16.08'	LT
F33	28+11.85	16.08'	LT
F34	28+96.88	16.08'	LT
F35	29+82.16	16.08'	LT
F36	30+63.07	16.08'	LT
F37	31+44.95	16.08'	LT
F38	32+27.06	16.08'	LT
F39	33+09.64	16.08'	LT
F40	33+91.40	16.07'	LT
F41	34+73.59	16.08'	LT
F42	35+57.84	16.06'	LT
F43	36+46.08	16.08'	LT
F44	37+47.51	16.02'	LT
F45	38+51.80	16.11'	LT
F46	39+33.35	17.78'	LT
F47	40+17.19	19.82'	LT
F48	40+99.86	21.60'	LT
F49	41+81.19	21.71'	LT
F50	42+57.99	24.54'	LT
F51	43+45.62	33.57'	LT
F52	705+54.97	28.82'	LT
F53	44+62.15	42.23'	LT
F54	45+27.39	23.55'	LT
F55	46+04.32	24.33'	LT
F56	704+46.23	51.38'	LT
F57	703+75.14	27.37'	LT
F58	704+07.37	36.25'	LT

HANDHOLE SCHEDULE
PROPOSED HANDHOLE LOCATIONS

HANDHOLE #	STATION	O/S	
HH1	1+73.64	23.57'	LT
HH2	2+52.92	23.58'	LT
HH3	3+33.42	23.60'	LT
HH4	4+13.39	23.59'	LT
HH5	4+93.74	23.56'	LT
HH6	5+73.81	23.52'	LT
HH7	6+54.55	23.59'	LT
HH8	7+35.05	23.58'	LT
HH9	8+14.91	23.58'	LT
HH10	8+97.92	23.57'	LT
HH11	9+80.69	23.57'	LT
HH12	10+64.46	23.58'	LT
HH13	11+48.66	23.58'	LT
HH14	12+32.03	23.64'	LT
HH15	13+15.33	23.58'	LT
HH16	13+95.88	23.58'	LT
HH17	14+62.31	23.58'	LT
HH18	15+26.58	35.87'	LT
HH19	16+88.96	41.17'	LT
HH20	17+71.78	23.58'	LT
HH21	18+56.96	23.58'	LT
HH22	19+42.03	21.62'	LT
HH23	20+26.53	20.31'	LT
HH24	21+02.66	19.16'	LT
HH25	21+79.39	18.00'	LT
HH26	22+55.50	17.80'	LT
HH27	23+31.78	18.08'	LT
HH28	24+08.37	18.08'	LT
HH29	24+84.08	18.08'	LT
HH30	25+59.72	18.08'	LT
HH31	26+40.42	18.08'	LT
HH32	27+26.12	18.08'	LT
HH33	28+08.99	18.08'	LT
HH34	28+11.85	18.08'	LT
HH35	28+96.88	18.08'	LT
HH36	29+82.16	18.08'	LT
HH37	30+63.07	18.08'	LT
HH38	31+44.95	18.08'	LT
HH39	32+27.06	18.08'	LT
HH40	33+09.64	18.08'	LT
HH41	33+91.40	18.07'	LT
HH42	34+73.59	18.08'	LT
HH43	35+57.85	18.06'	LT
HH44	36+46.08	18.08'	LT
HH45	37+47.53	18.02'	LT
HH46	38+51.71	18.10'	LT
HH47	39+33.26	19.77'	LT
HH48	40+17.10	21.82'	LT
HH49	40+99.79	23.60'	LT
HH50	41+81.19	23.71'	LT
HH51	42+57.90	26.54'	LT
HH52	43+45.27	35.54'	LT
HH53	43+93.77	79.00'	LT
HH54	44+63.80	43.24'	LT
HH55	45+27.56	25.54'	LT
HH56	46+04.33	26.33'	LT
HH57	704+44.75	52.72'	RT
HH58	703+77.14	27.37'	RT
HH59	704+05.86	34.94'	LT

85780





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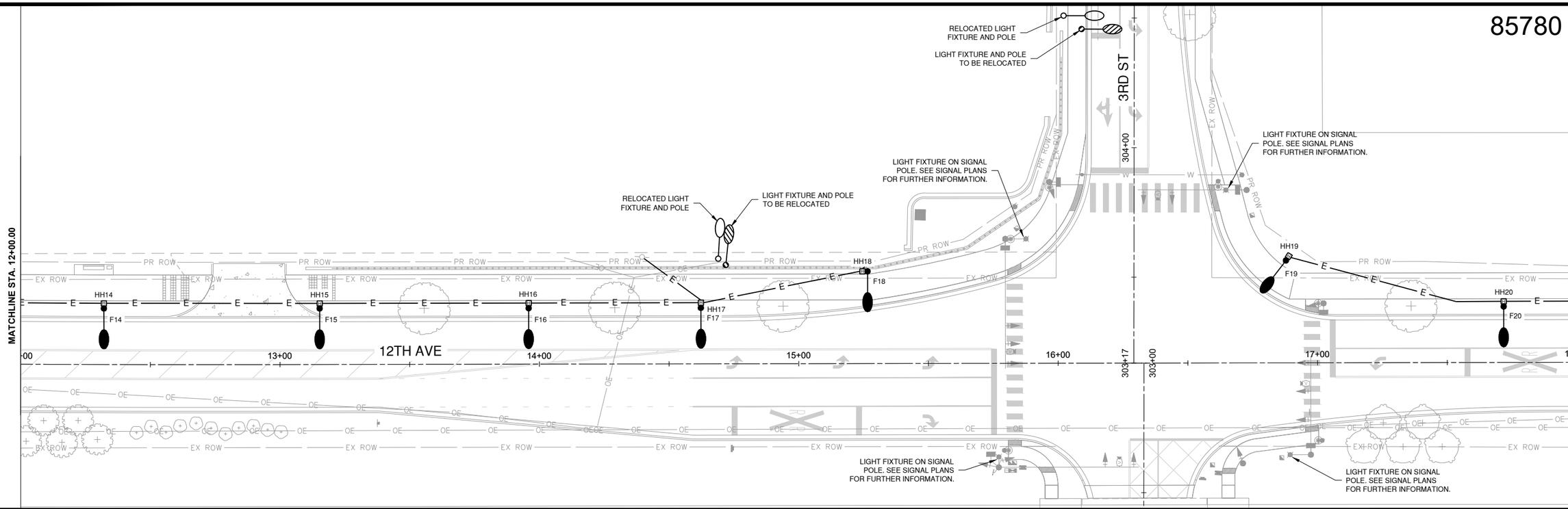
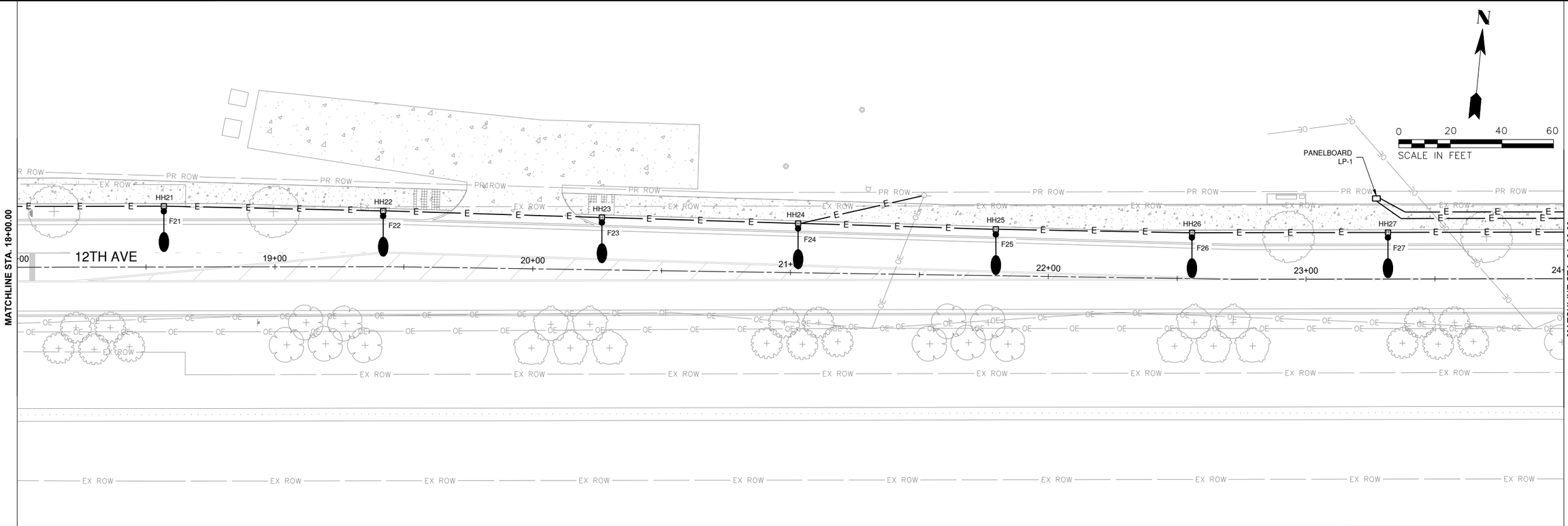
CMT	DESIGNED JRV DATE 10/27/25 DRAWN JRV CHECKED LDW PROJECT # 85780	12TH AVENUE RECONSTRUCTION	CITY OF EAST MOLINE	LIGHTING PLAN

85780





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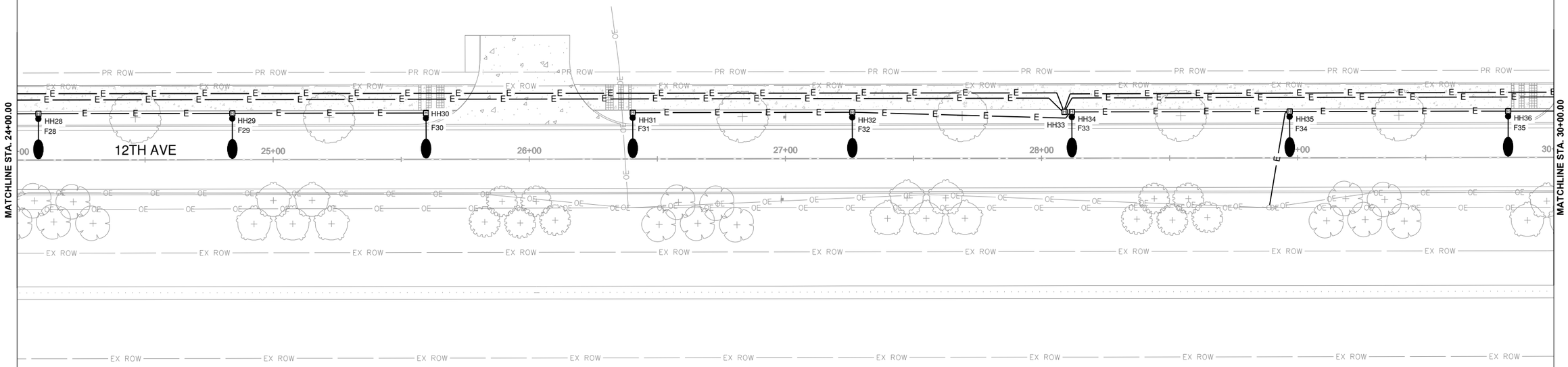

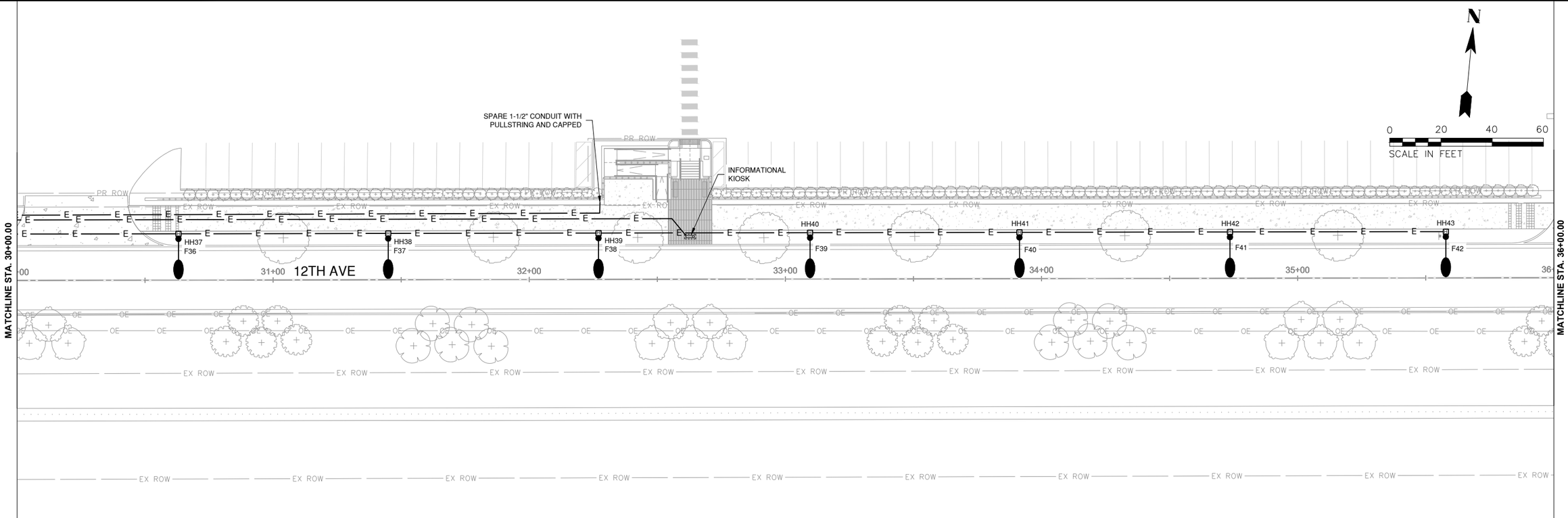

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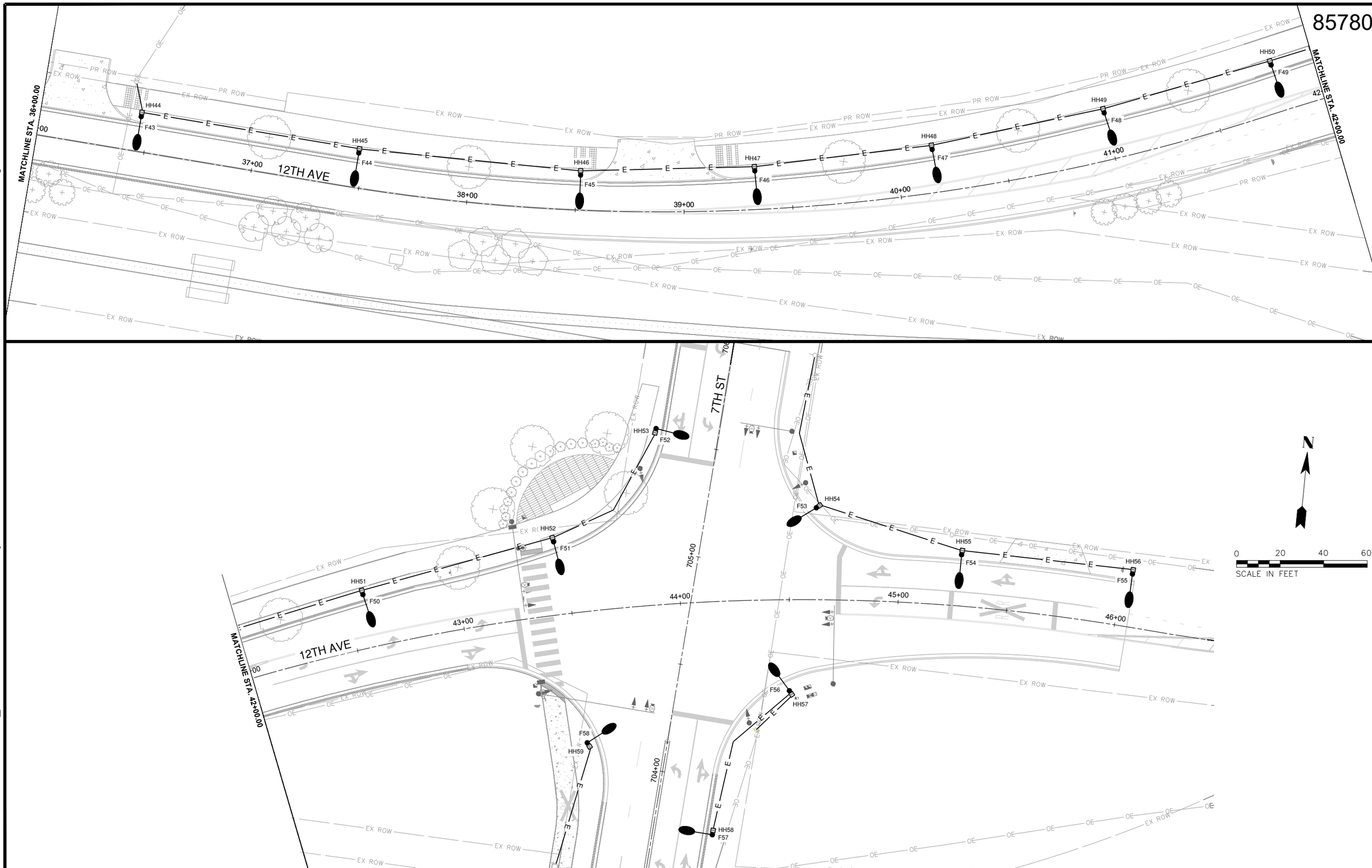
CMT	DESIGNED JRV DATE 10/27/25 DRAWN JRV CHECKED LDW PROJECT # 85780	12TH AVENUE RECONSTRUCTION	CITY OF EAST MOLINE	LIGHTING PLAN

85780



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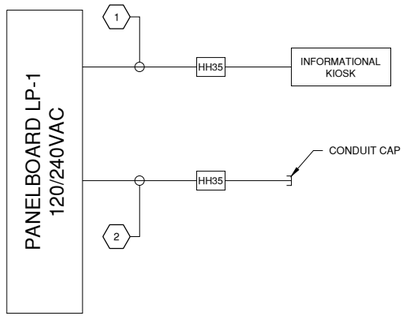


1 PANELBAORD (LP-1) LIGHTING CIRCUIT DIAGRAM

N.T.S.

KEYED NOTES:
1. 2 - #8 AWG, 1 - #8 GND IN 2" CONDUIT
2. SPARE 2" CONDUIT WITH PULLSTRING

PANELBOARD SCHEDULE

PANEL DESIGNATION: **LP-1**
LOCATION: **12TH AVE**
MFR & TYPE: **SQ D, EATON, GE, SEIMENS**
BOND NEUTRAL AND GROUND BAR: **NO**
NEUTRAL BUS RATING: **100%**
SERVICE ENTRANCE RATED: **NO**
POLE: **18**
SHORT CIRCUIT RATING: **10KA**
SERIES OR FULLY RATED: **FULLY**
SPD & DISCONNECT REQUIRED: **YES**

VOLTS: **120/240**
PHASE: **1**
WIRE: **3**
MOUNTING: **SURFACE**
ENCL RATING: **NEMA 4X**
BUS RATING (AMPS): **100**
BUS: **COPPER; SILVER OR TIN PLATED**
MAIN CIRCUIT BREAKER: **100/2**

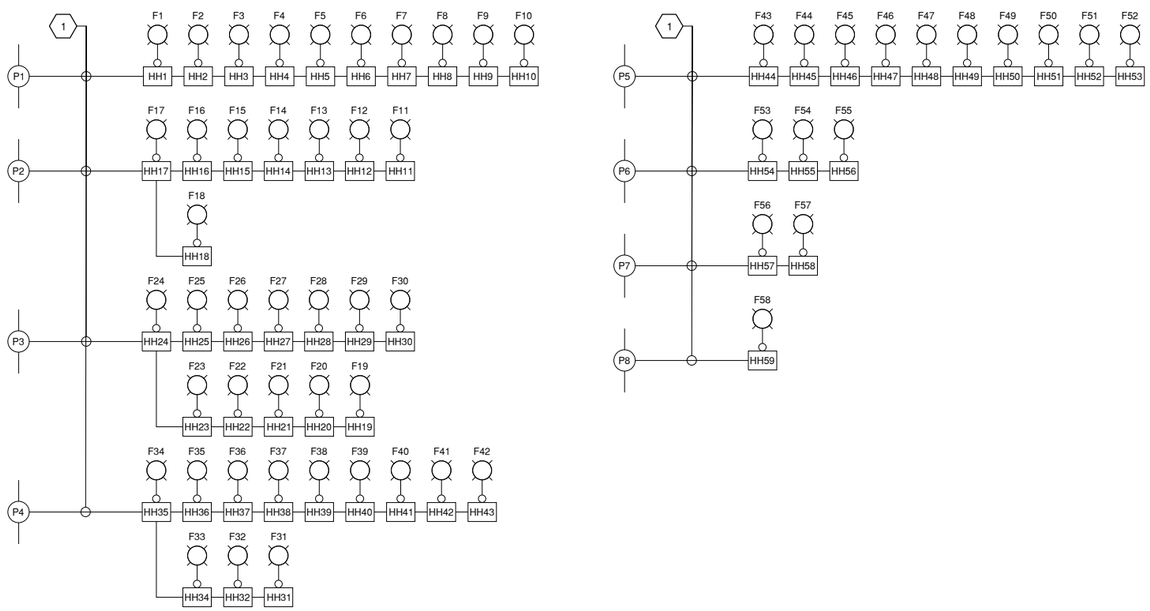
CKT NO.	LOAD	BREAKER SIZE	LOAD AMPS	USAGE FACTOR	PHASE AMPS A	PHASE AMPS B	POLE NO.		PHASE AMPS A	PHASE AMPS B	USAGE FACTOR	LOAD AMPS	BREAKER SIZE	LOAD	CKT NO.
1	INFORMATIONAL KIOSK	20/1	5	1	5		1	2	0				20/1	SPARE	2
3	FUTURE FEED FOR BUS STOP	20/1				0	3	4		0			20/1	SPARE	4
5	SPARE	20/1			0		5	6	0				20/1	SPARE	6
7	SPARE	20/1				0	7	8		0			20/1	SPARE	8
9	SPARE	20/1			0		9	10	0				20/1	SPARE	10
11	SPARE	20/1				0	11	12		0			20/1	SPARE	12
13	SPARE	20/1			0		13	14	0				20/1	SPARE	14
15	SPD	30/2			0		17	18	0				20/1	SPARE	16
17						0	19	20		0			20/1	SPARE	18
	SECTION TOTAL:				5	0			0	0					

MINIMUM MAIN CIRCUIT BREAKER AMPS: 4

	A	B
PHASE TOTAL AMPS:	5	0
PHASE TOTAL VA:	600	0

TOTAL USAGE LOAD: 600 VA
MIN. XFMR VA: 750 VA

NOTES:
1. PANELBOARD SHALL BE IN A NEMA 4X ENCLOSURE WITH LOCKING PROVISIONS.

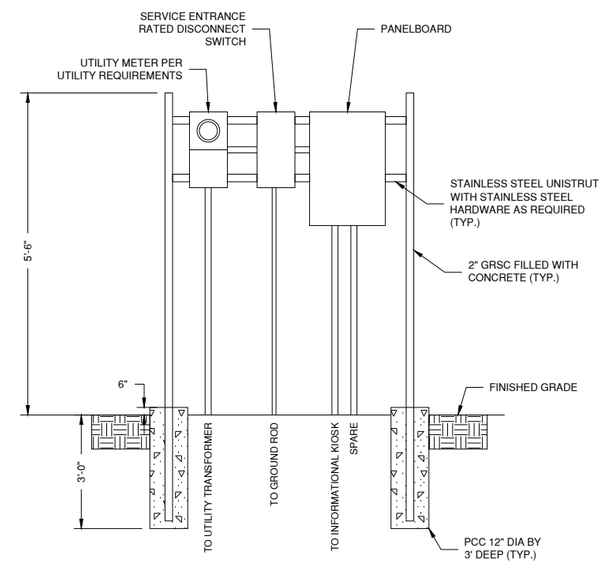


2 LIGHTING CIRCUIT DIAGRAM

N.T.S.

GENERAL NOTES:
1. LIGHT FIXTURES, POLES, AND WIRING TO BE PROVIDED AND INSTALLED BY OTHERS.

KEYED NOTES:
1. 2" CONDUIT WITH PULL STRING



3 PANELBOARD EQUIPMENT RACK

N.T.S.

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CMT	DESIGNED JRV DATE 10/27/25	12TH AVENUE RECONSTRUCTION	CITY OF EAST MOLINE
	DRAWN JRV		
	CHECKED LDW		
	PROJECT #: 85780		

LIGHTING DETAILS

B.M. #405: Sta. 2+98.34 57.9' Rt.
Elev. 574.06
N: 1,766,366.30
E: 2,217,603.90

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Concrete Structures	CU YD	207.0
Reinforcement Bars	POUND	31,330
Porous Granular Embankment	CU YD	320
Removal and Disposal of Unsuitable Material	CU YD	110
Geocomposite Wall Drain	SQ YD	160
Structure Excavation	CU YD	440

GENERAL NOTES

85780

All construction joints shall be bonded.

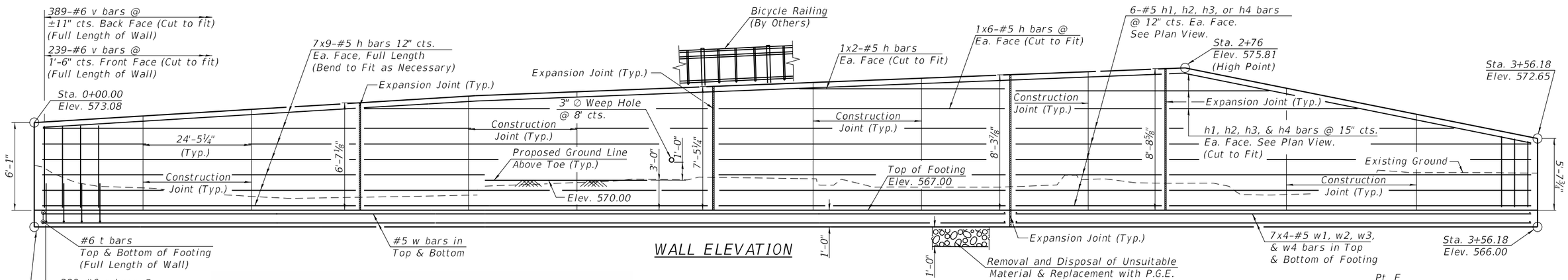
Areas of excavation under the proposed footing and behind the proposed stem required for construction of the retaining wall shall be backfilled with Porous Granular Embankment up to the required topsoil depth. See Special Provisions for more detailed information.

The required depth of removal and replacement of unsuitable materials may be increased by the Engineer to account for variable subsurface conditions.

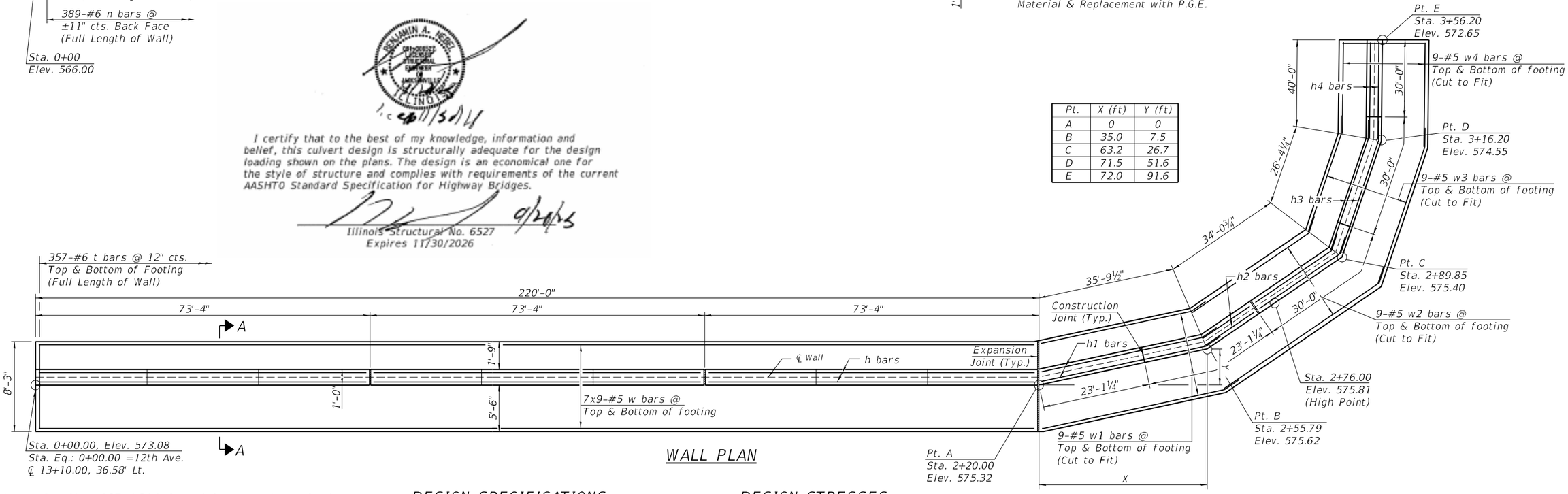
All excavation required for construction of the retaining wall shown in these plans and in accordance with the standard specifications shall be included in the cost of concrete structures.

All dimensions are corresponding to the front face of the stem wall.

Structure Excavation was calculated assuming the depth from existing ground to the bottom of footing is 4'-0".



WALL ELEVATION



Pt.	X (ft)	Y (ft)
A	0	0
B	35.0	7.5
C	63.2	26.7
D	71.5	51.6
E	72.0	91.6

WALL PLAN

BENJAMIN A. NEBEL
ILLINOIS
9/24/25

I certify that to the best of my knowledge, information and belief, this culvert design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current AASHTO Standard Specification for Highway Bridges.

9/24/25

Illinois Structural No. 6527
Expires 11/30/2026

Notes: See Sheet 165 of 214 for reinforcement in the footing.
See Sheet 165 of 214 for Section A-A.

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

DESIGN STRESSES

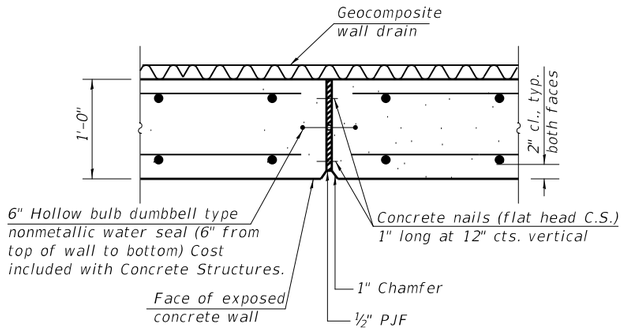
f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)

Hutchison Engineering, Inc.	DESIGNED LBK	DATE - 09/23/2025
	DESIGNED JPS	
	CHECKED BAN	
	PROJECT #: 5201	

12TH AVENUE RECONSTRUCTION

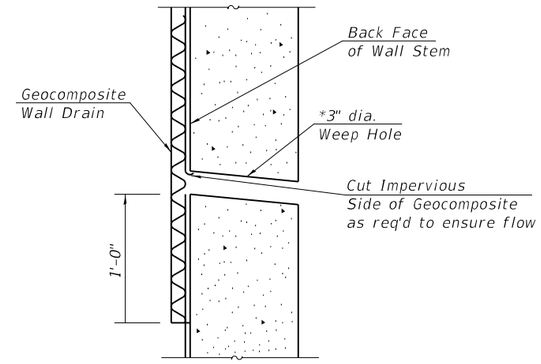
CITY OF EAST MOLINE

RETAINING WALL DETAILS

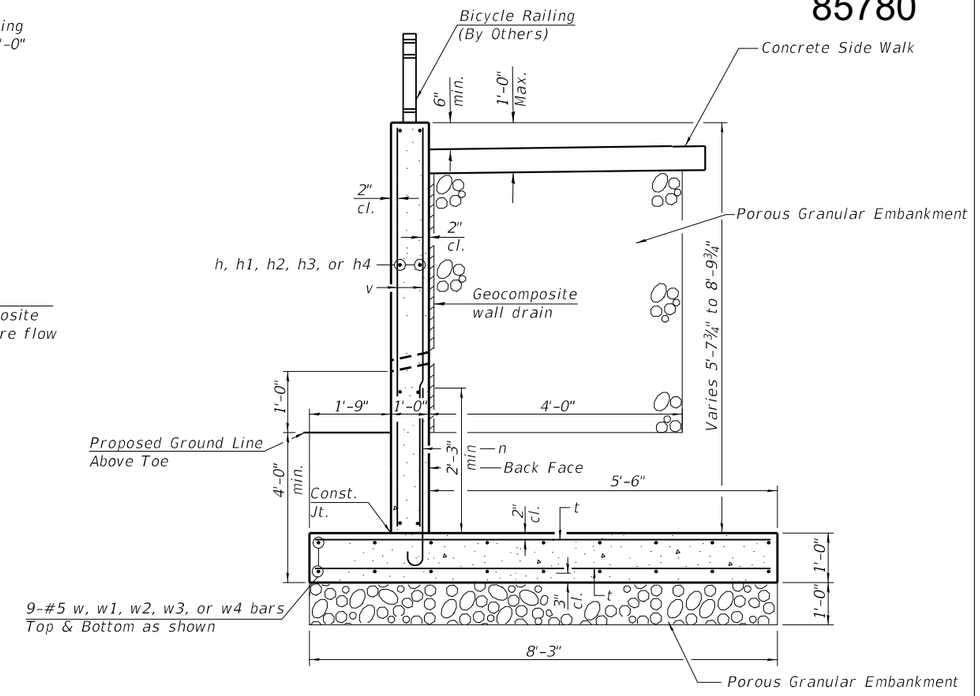


EXPANSION JOINT

*Weep hole spacing shall be at ℄ 8'-0" horizontally.

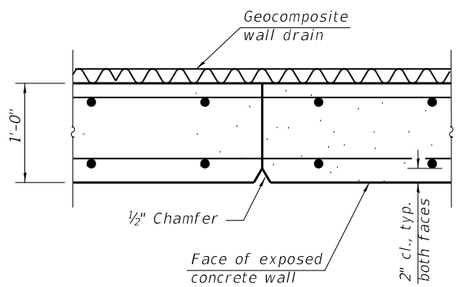


WEEP HOLE DRAIN DETAIL

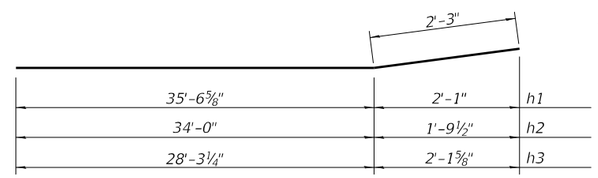


SECTION A-A

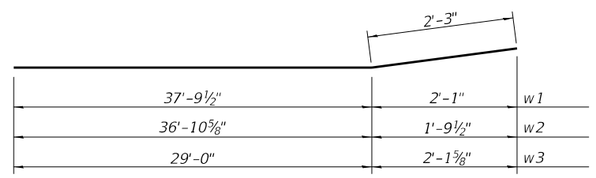
(Max. Applied Service Bearing Pressure on Soil = 1.91 ksf)



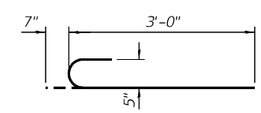
CONSTRUCTION JOINT



BARS h1, h2, & h3



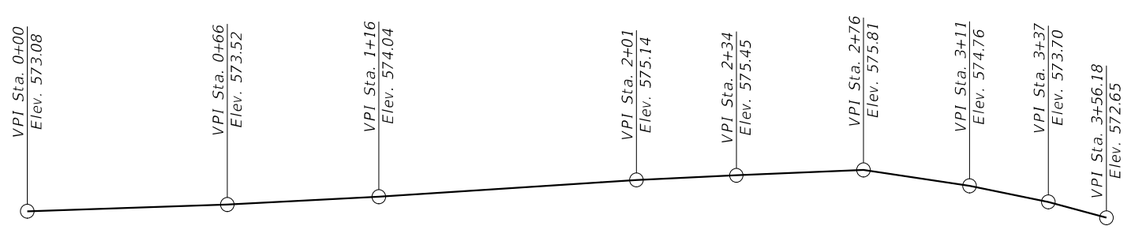
BARS w1, w2, & w3



BAR n

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h	142	#5	25'-10"	
h1	18	#5	37'-10"	
h2	18	#5	36'-3"	
h3	18	#5	28'-6"	
h4	16	#5	39'-9"	
n	389	#6	3'-7"	
t	714	#6	7'-11"	
v	628	#6	8'-6"	
w	126	#5	26'-5"	
w1	18	#5	40'-1"	
w2	18	#5	39'-2"	
w3	18	#5	31'-3"	
w4	18	#5	40'-8"	
Concrete Structures			Cu. Yd.	207.0
Reinforcement Bars			Pound	31,330



WALL PROFILE

(Elevation shown along top of stem wall)

MINIMUM BAR LAP

#5 bar = 1'-9" (Vertical)
#5 bar = 2'-3" (Horizontal)
#6 bar = 2'-1" (Vertical)
#6 bar = 2'-9" (Horizontal)

B.M. #406: Sta. 13+54.28 227.85' Lt.
Elev. 576.10
N: 1,766,831.38
E: 2,220,325.29

B.M. #407: Sta. 13+51.98 342.71' Rt.
Elev. 575.68
N: 1,766,263.25
E: 2,220,377.98

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Concrete Structure	CU YD	421.0
Reinforcement Bars	EACH	79,900
Porous Granular Embankment	CU YD	950
Removal and Disposal of Unsuitable Material	CU YD	585
Geocomposite Wall Drain	SQ YD	120
Structure Excavation	CU YD	1,050

GENERAL NOTES

All construction joints shall be bonded.

All dimensions are corresponding to the front face of the stem wall.

Areas of excavation under the proposed footing and behind the proposed stem required for construction of the retaining wall shall be backfilled with Porous Granular Embankment up to the required topsoil depth. See Section A-A for more details

The required depth of removal and replacement of unsuitable materials may be increased by the Engineer to account for variable subsurface conditions.

All excavation required for construction of the retaining wall shown in these plans and in accordance with the standard specifications shall be included in the cost of concrete structures.

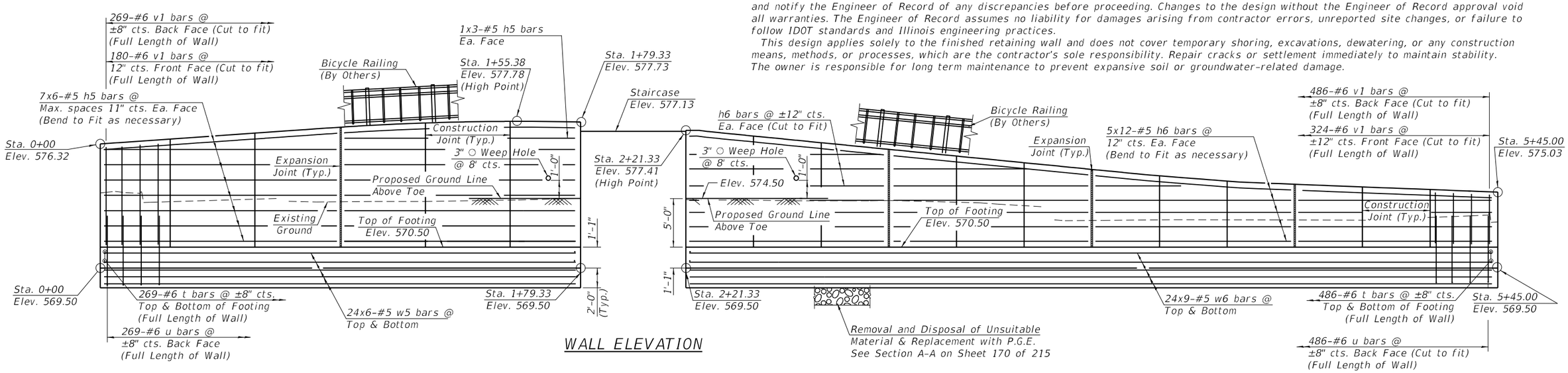
Structure Excavation was calculated assuming the depth from existing ground to the bottom of footing is 5'-1".

Excavate to design subgrade, proofroll, and compact Porous Granular Embankment in 6-8" lifts per IDOT Standards. All Construction shall comply with IDOT Standard Specifications for Road and Bridge Construction.

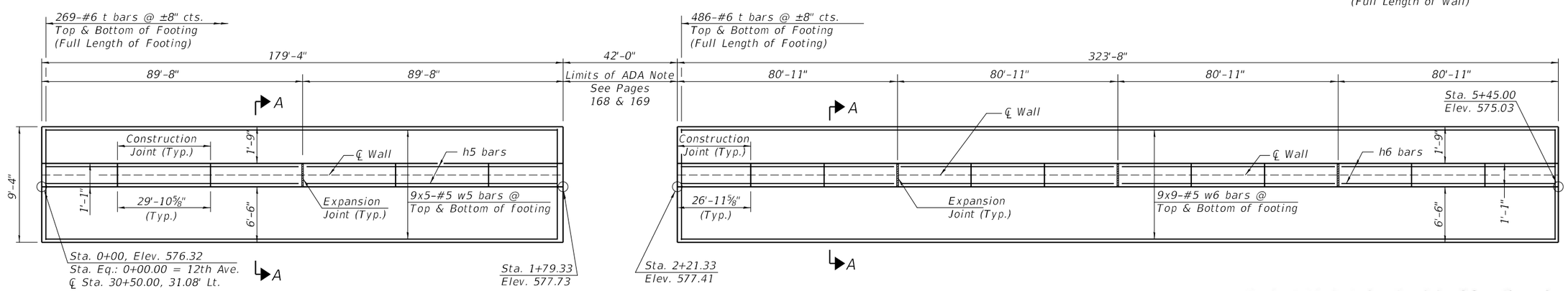
Install geocomposite wall drain and 3" ○ weep holes at 8' cts. to prevent hydrostatic pressure buildup, per IDOT drainage practices and AASHTO 3.11.6.4. Backfill shall be sloped to direct water away from the wall. The contractor shall ensure positive drainage during and after construction to mitigate groundwater risks. Groundwater encountered during excavation shall be dewatered in accordance with IDOT Standard Specifications. The contractor is responsible for notifying the Engineer of Record immediately if variable fill, organics, or soft soils are encountered beyond soil report assumptions.

This design is based on the provided geotechnical report and assumed site conditions. The Engineer of Record is not responsible for construction means, methods, safety, or sequence, which are the sole responsibility of the Contractor. The Contractor shall verify field conditions and notify the Engineer of Record of any discrepancies before proceeding. Changes to the design without the Engineer of Record approval void all warranties. The Engineer of Record assumes no liability for damages arising from contractor errors, unreported site changes, or failure to follow IDOT standards and Illinois engineering practices.

This design applies solely to the finished retaining wall and does not cover temporary shoring, excavations, dewatering, or any construction means, methods, or processes, which are the contractor's sole responsibility. Repair cracks or settlement immediately to maintain stability. The owner is responsible for long term maintenance to prevent expansive soil or groundwater-related damage.



WALL ELEVATION



WALL PLAN

DESIGN STRESSES

f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

I certify that to the best of my knowledge, information and belief, this culvert design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current AASHTO Standard Specification for Highway Bridges.

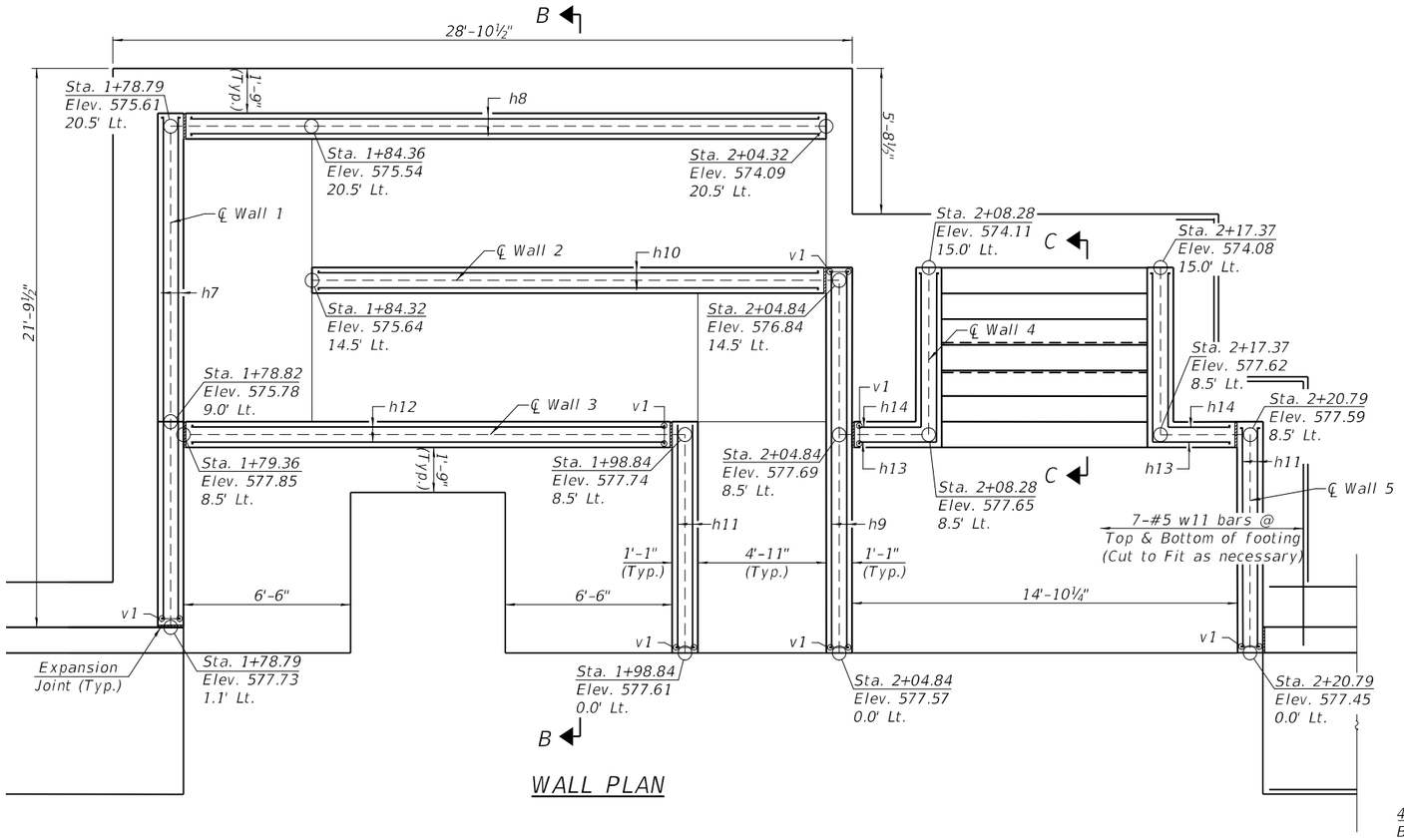
09/26/2025

License Expires 11/30/2026

09/26/2025

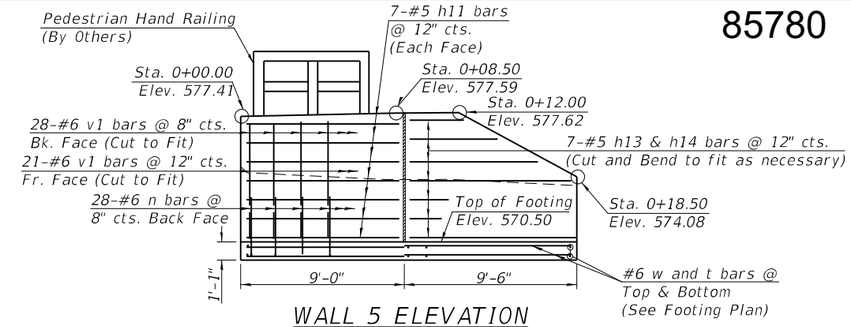
Illinois Structural No. 8050
Expires 11/30/2026

Hutchison Engineering, Inc.	DESIGNED LBK DATE - 09/23/2025 DESIGNED JPS DESIGNED ZL PROJECT #: 5201	12TH AVENUE RECONSTRUCTION	CITY OF EAST MOLINE	RETAINING WALL DETAILS	SHEET 166 OF 214



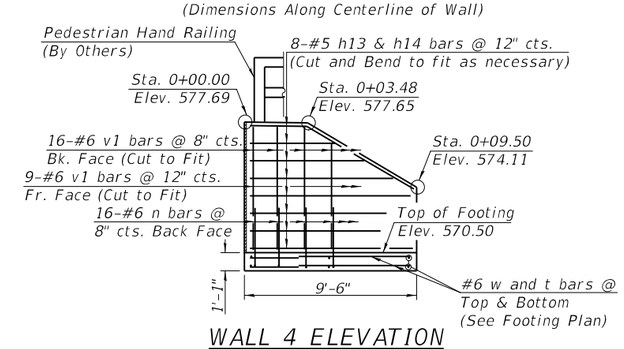
WALL PLAN

Note: See footing plan on Sheet 168 of 214 for access ramp footing dimensions & reinforcement layout.



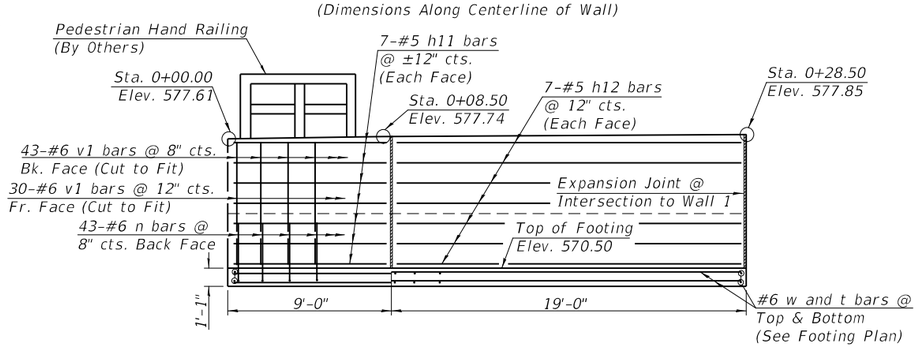
WALL 5 ELEVATION

(Dimensions Along Centerline of Wall)



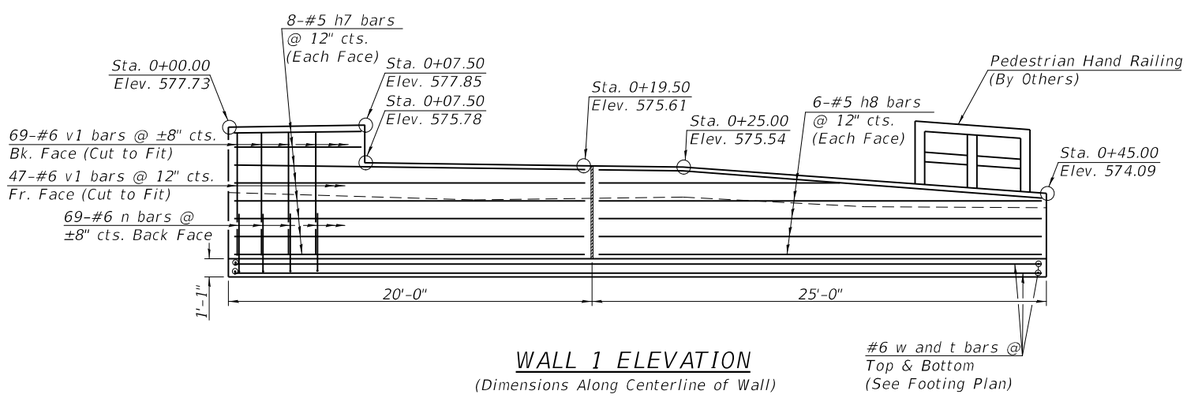
WALL 4 ELEVATION

(Dimensions Along Centerline of Wall)



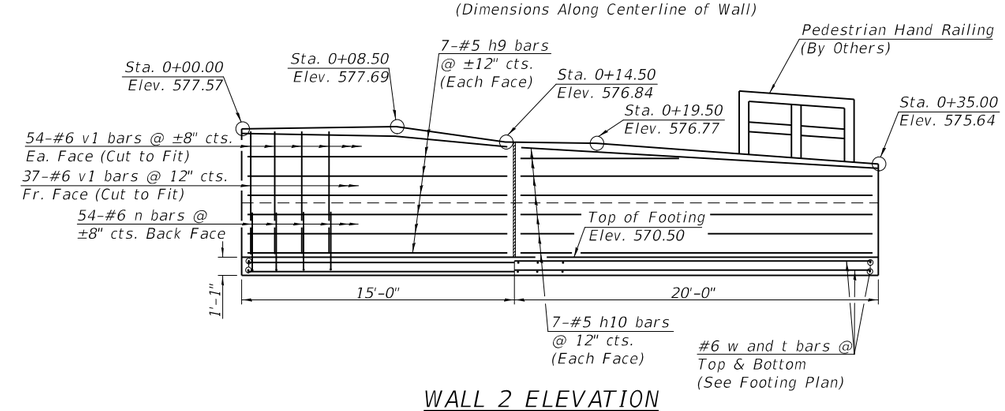
WALL 3 ELEVATION

(Dimensions Along Centerline of Wall)



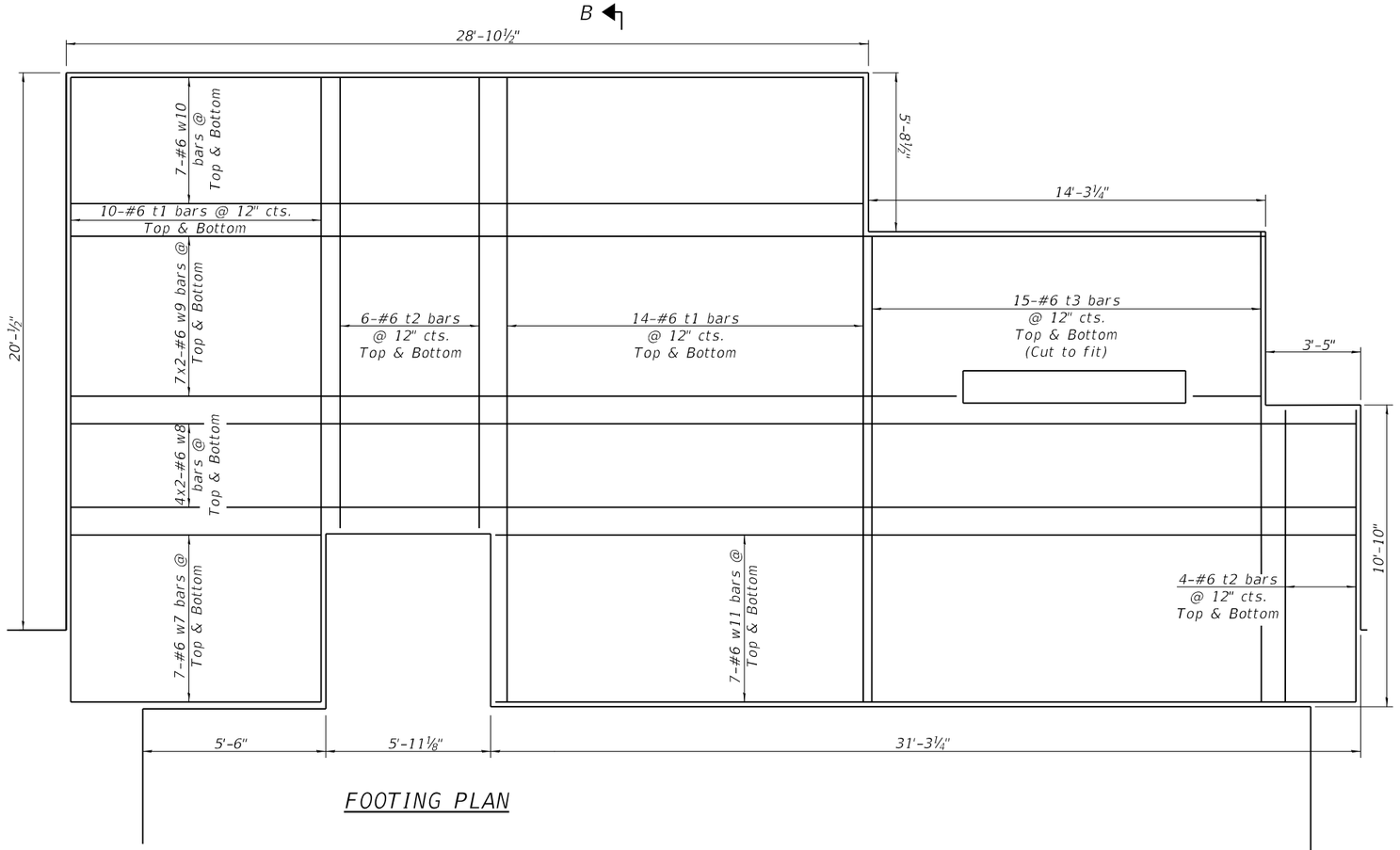
WALL 1 ELEVATION

(Dimensions Along Centerline of Wall)

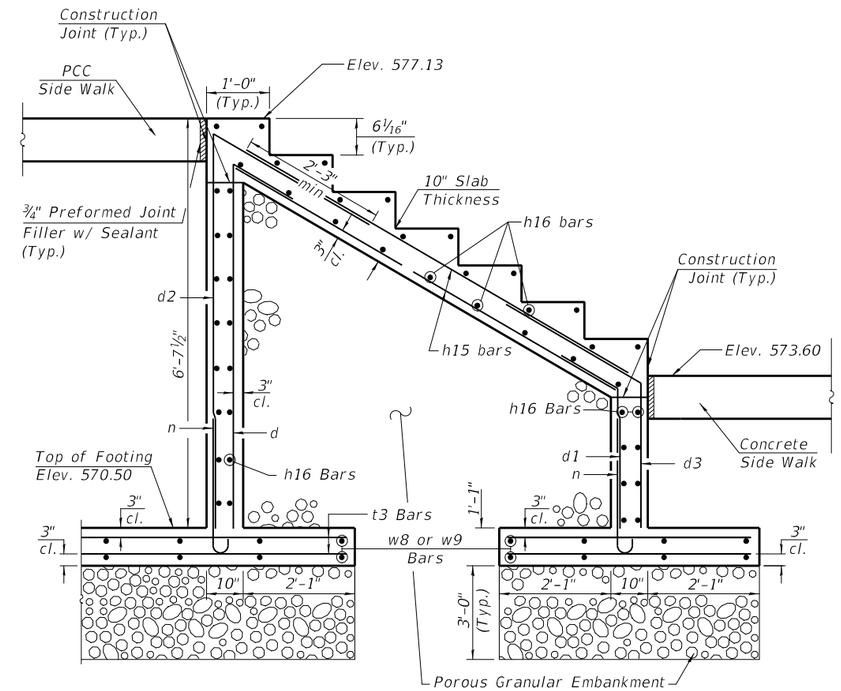


WALL 2 ELEVATION

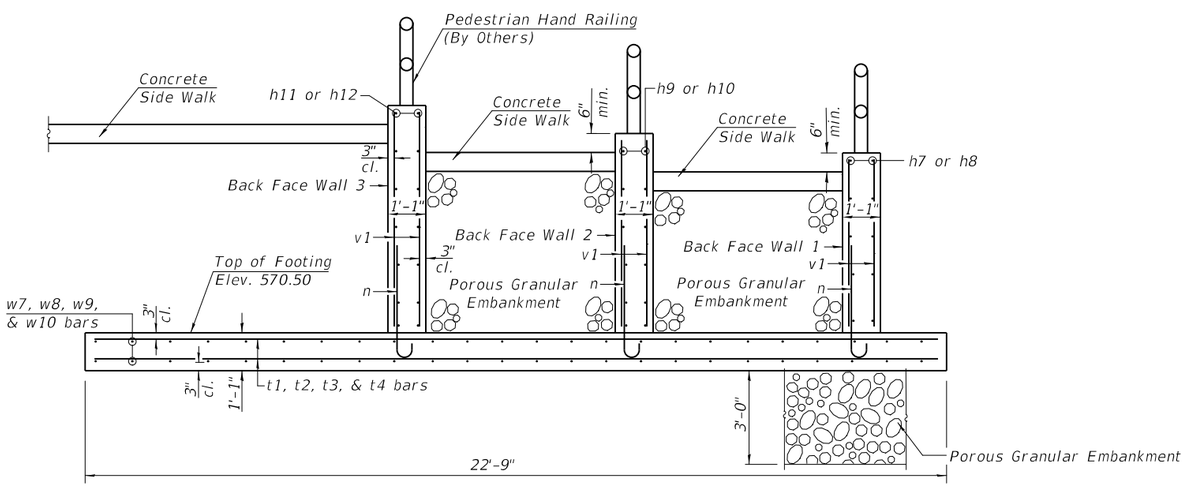
(Dimensions Along Centerline of Wall)



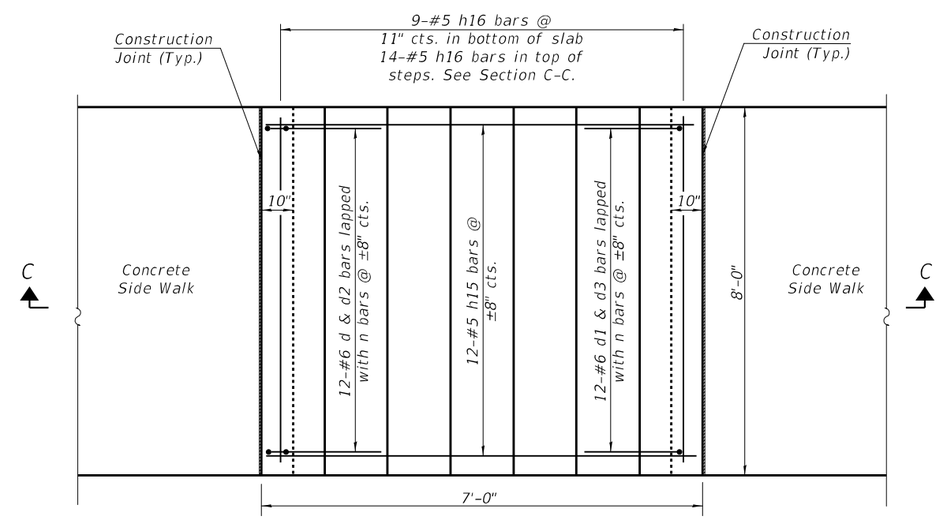
FOOTING PLAN



SECTION C-C

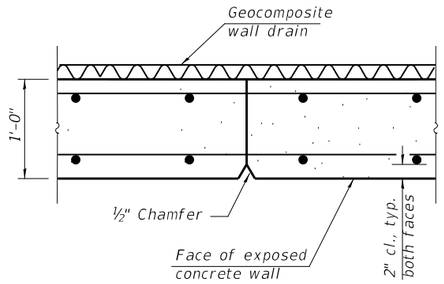


SECTION B-B

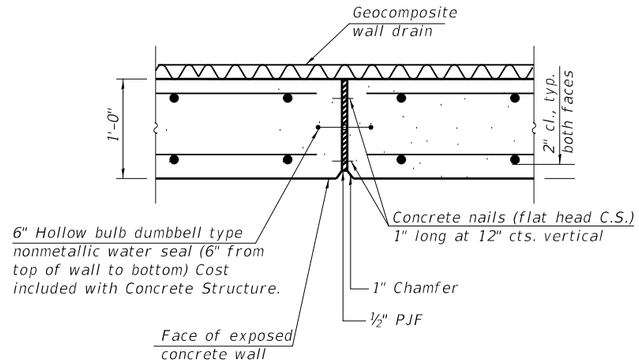


STAIRCASE PLAN

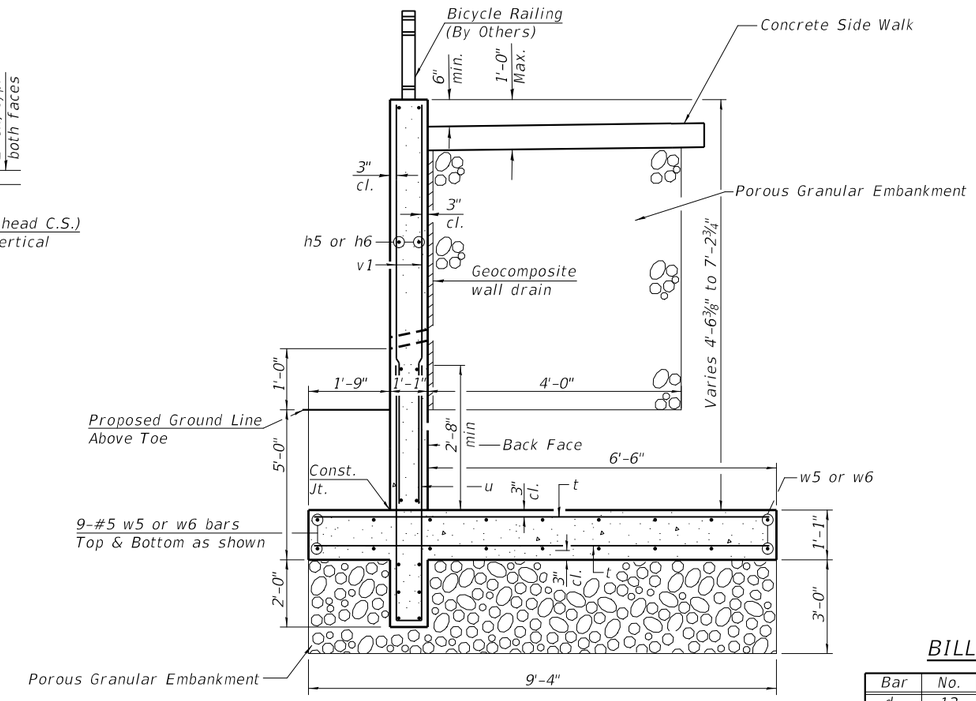
Hutchison Engineering, Inc.	DESIGNED LBK DATE - 09/23/2025 DESIGNED JPS DESIGNED ZL PROJECT #: 5201	12TH AVENUE RECONSTRUCTION	CITY OF EAST MOLINE	RETAINING WALL DETAILS	SHEET 168 OF 214



CONSTRUCTION JOINT

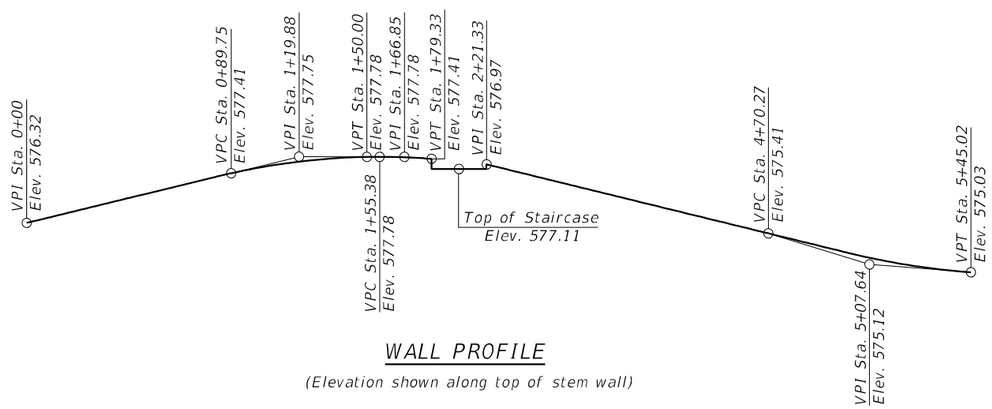


EXPANSION JOINT



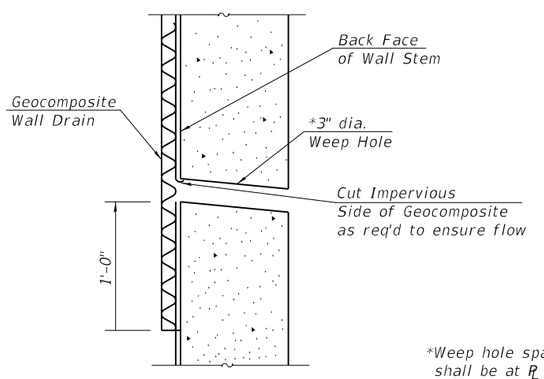
SECTION A-A

(Max. Applied Service Bearing Pressure on Soil = 1.98 ksf)



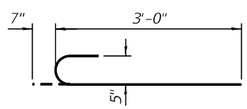
WALL PROFILE

(Elevation shown along top of stem wall)

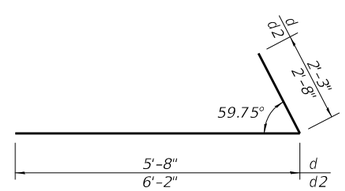


*Weep hole spacing shall be at ℄ 8'-0" horizontally.

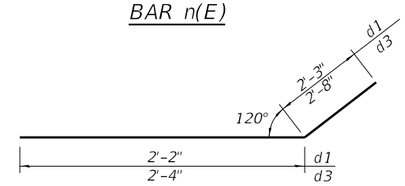
WEEP HOLE DRAIN DETAIL



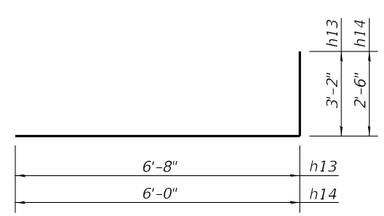
BAR n(E)



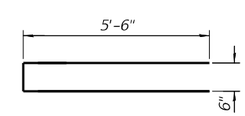
BARS d & d2



BARS d1 & d3



BARS h13 & h14



BAR u

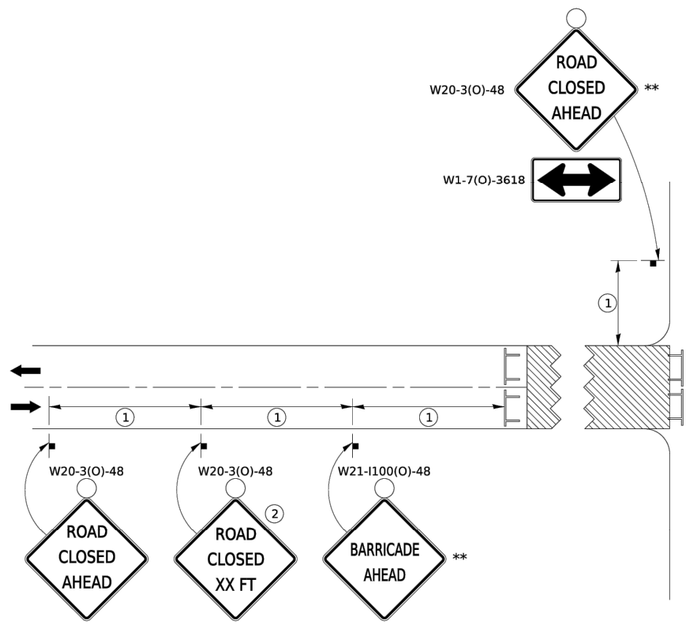
MINIMUM BAR LAP

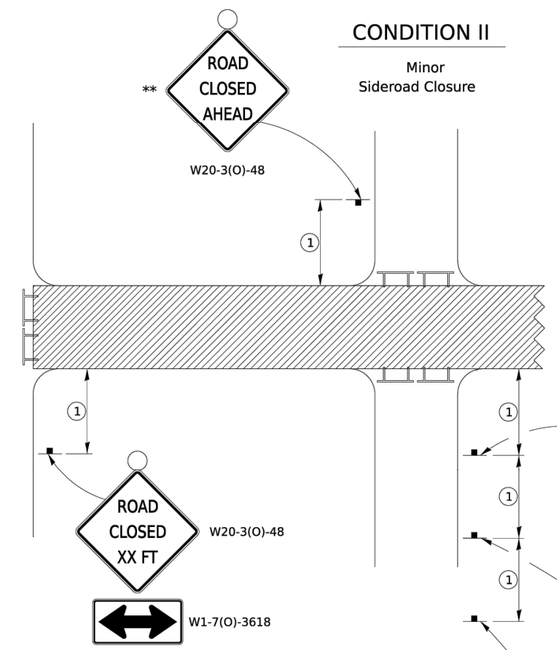
#5 bar = 1'-9" (Vertical)
#5 bar = 2'-3" (Horizontal)
#6 bar = 2'-1" (Vertical)
#6 bar = 2'-9" (Horizontal)

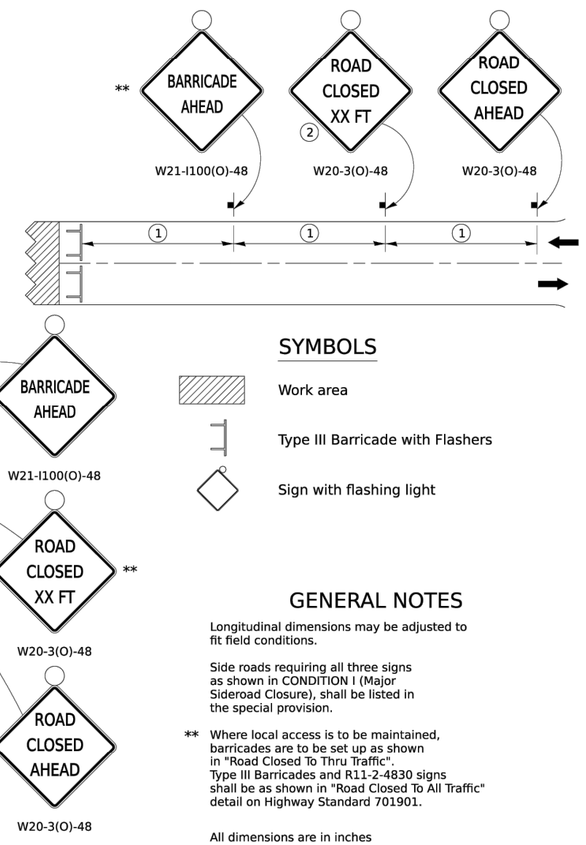
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d	12	#6	7'-11"	
d1	12	#6	4'-5"	
d2	12	#6	8'-10"	
d3	12	#6	4'-9"	
h5	34	#5	32'-1"	
h6	152	#5	29'-2"	
h7	16	#5	19'-8"	
h8	12	#5	24'-8"	
h9	14	#5	14'-8"	
h10	14	#5	19'-8"	
h11	28	#5	8'-8"	
h12	14	#5	18'-8"	
h13	16	#5	9'-10"	
h14	16	#5	8'-6"	
h15	24	#5	6'-9"	
h16	23	#5	7'-8"	
n	234	#6	3'-7"	
t	1,510	#6	8'-10"	
t1	48	#6	22'-5"	
t2	12	#6	16'-2"	
t3	30	#6	16'-9"	
t4	8	#6	10'-6"	
u	755	#6	11'-6"	
v1	1,613	#6	6'-11"	
w5	90	#6	38'-0"	
w6	162	#6	38'-5"	
w7	14	#6	9'-0"	
w8	16	#6	24'-6"	
w9	28	#6	22'-10"	
w10	14	#6	28'-6"	
w11	14	#6	30"-11"	
Concrete Structures			Cu. Yd.	421.0
Reinforcement Bars			Pound	79,900

TRAFFIC CONTROL FOR ROAD CLOSURE







SYMBOLS

- Work area
- Type III Barricade with Flashers
- Sign with flashing light

CONDITION I

Major
Sideroad Closure

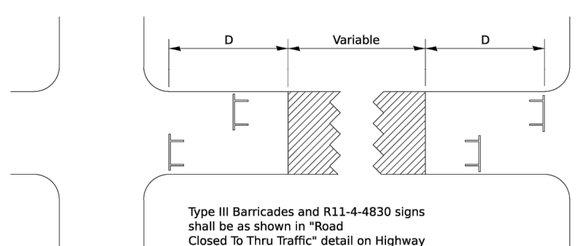
SIGN SPACING TABLE (1)

Posted Speed	Sign Spacing
45 MPH and above	500'
Below 45 MPH	250'

SIGN LEGEND (2)

Posted Speed Limit	Distance
45 MPH and above	1000'
Below 45 MPH	500'

ROAD CLOSED TO THRU TRAFFIC BARRICADE SET UP



Type III Barricades and R11-4-4830 signs shall be as shown in "Road Closed To Thru Traffic" detail on Highway Standard 701901. If the distance "D" exceeds 2000' an additional set of barricades and R11-4-4830 shall be placed at each end of the work area.

GENERAL NOTES

Longitudinal dimensions may be adjusted to fit field conditions.

Side roads requiring all three signs as shown in CONDITION I (Major Sideroad Closure), shall be listed in the special provision.

** Where local access is to be maintained, barricades are to be set up as shown in "Road Closed To Thru Traffic". Type III Barricades and R11-2-4830 signs shall be as shown in "Road Closed To All Traffic" detail on Highway Standard 701901.

All dimensions are in inches unless otherwise shown.

TYPICAL APPLICATION FOR ROAD CLOSURE

MODEL: 40p1
FILE NAME: DISTRICT 2 STANDARD

USER NAME = IDOT / DISTRICT 2	DESIGNED -	REVISED - 5-22-25	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD	
	DRAWN -	REVISED - 8-03-17			
	CHECKED -	REVISED - 1-05-16			
PLOT DATE = 5/29/2025	DATE -	REVISED - 8-27-13		SCALE: SHEET OF SHEETS STA. TO STA.	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

TRAFFIC CONTROL FOR ROAD CLOSURE 40.1

Z:\5201 - Downtown Reconstruction - PH I-II (CMT - East Moline)\Design_CADD\CADD Sheets\5201 - sht_Details D2.dwg

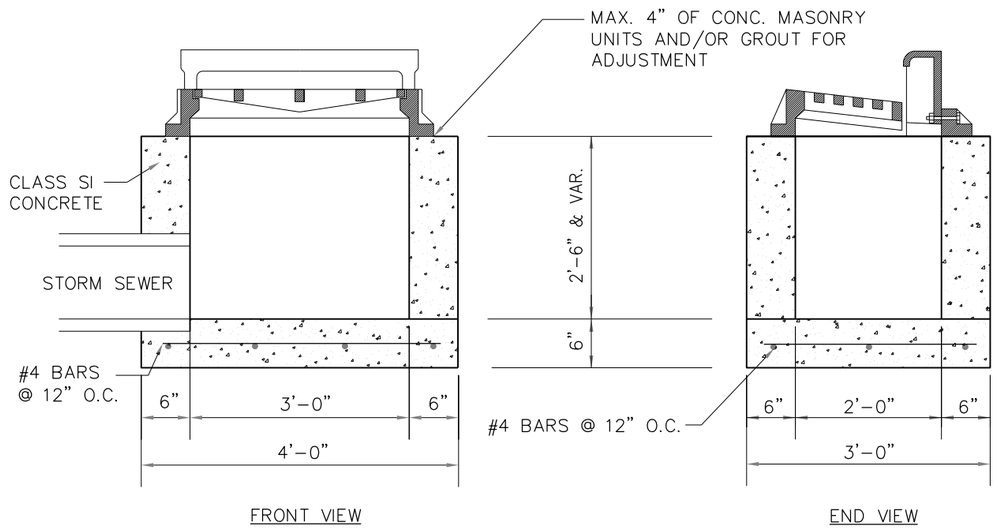
Hutchison Engineering, Inc.

DESIGNED BMP	DATE- 10-29-25	
DRAWN BMP		
CHECKED DJD		
PROJECT #: 5201		

12TH AVENUE RECONSTRUCTION

CITY OF EAST MOLINE

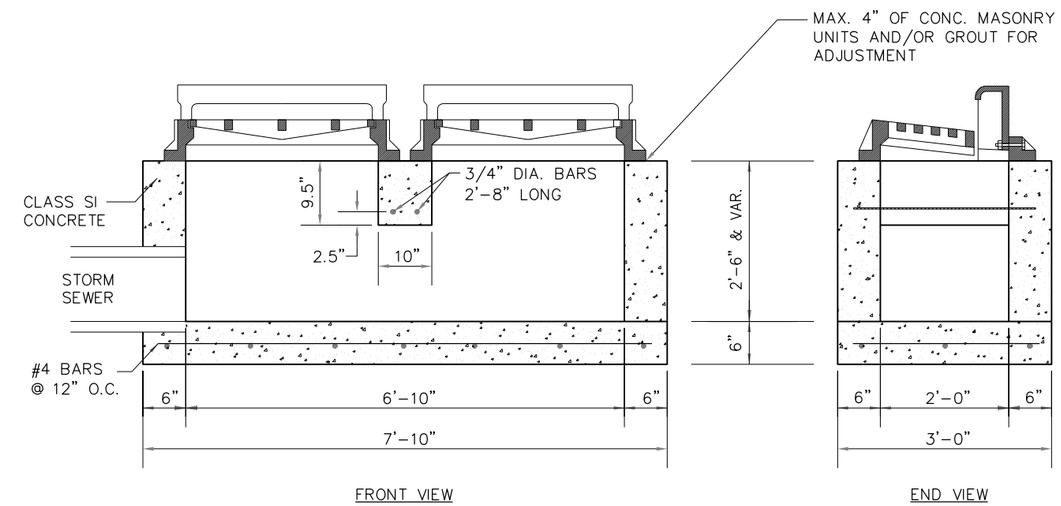
DETAILS



NOTES:

1. INLET BOXES ARE TO BE USED WITH NEENAH R-3246 OR EAST JORDAN WORKS 7030 INLET FRAME, CURB BOX, & TYPE C GRATE OPENINGS.
2. INLET BOXES MAY BE PRECAST OR CAST IN PLACE.

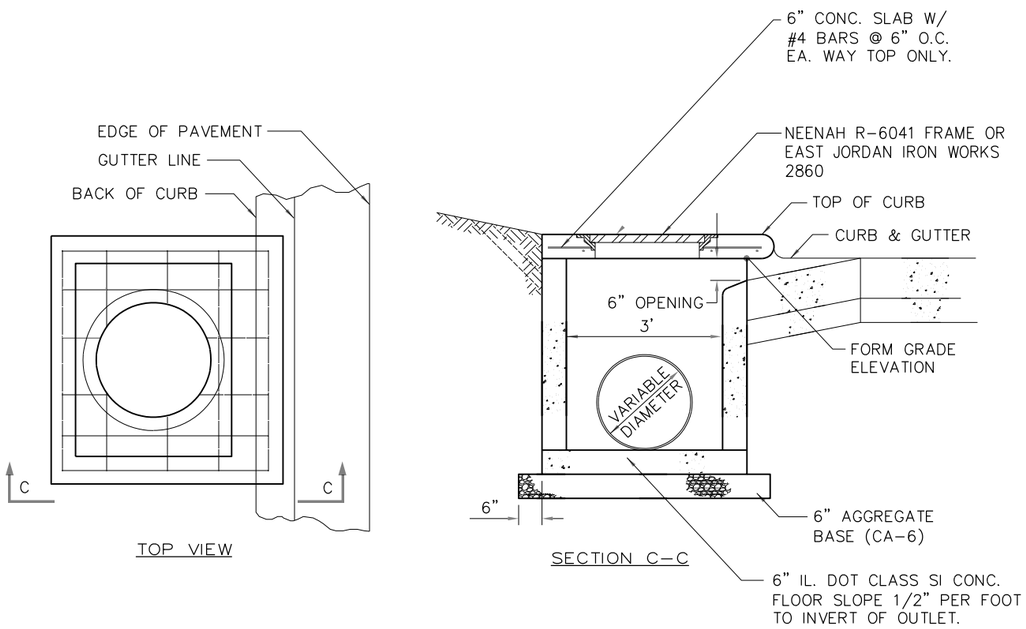
INLET (SPECIAL)

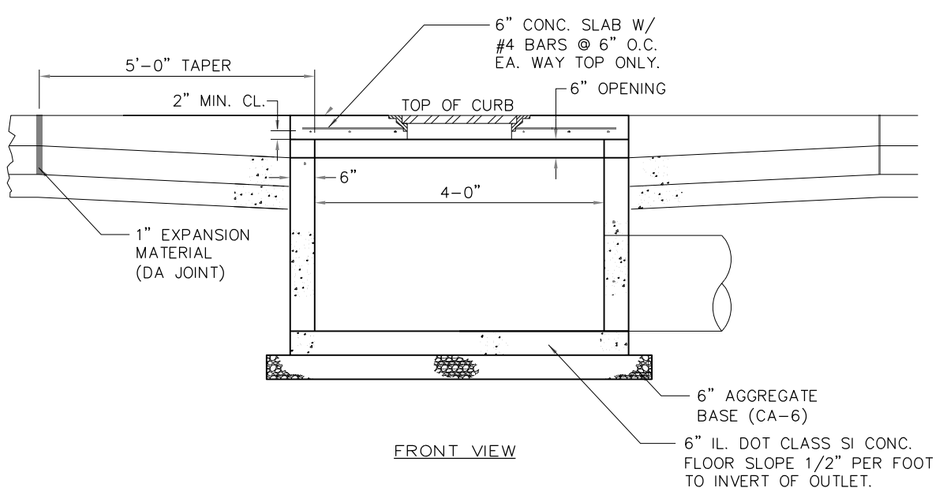


NOTES:

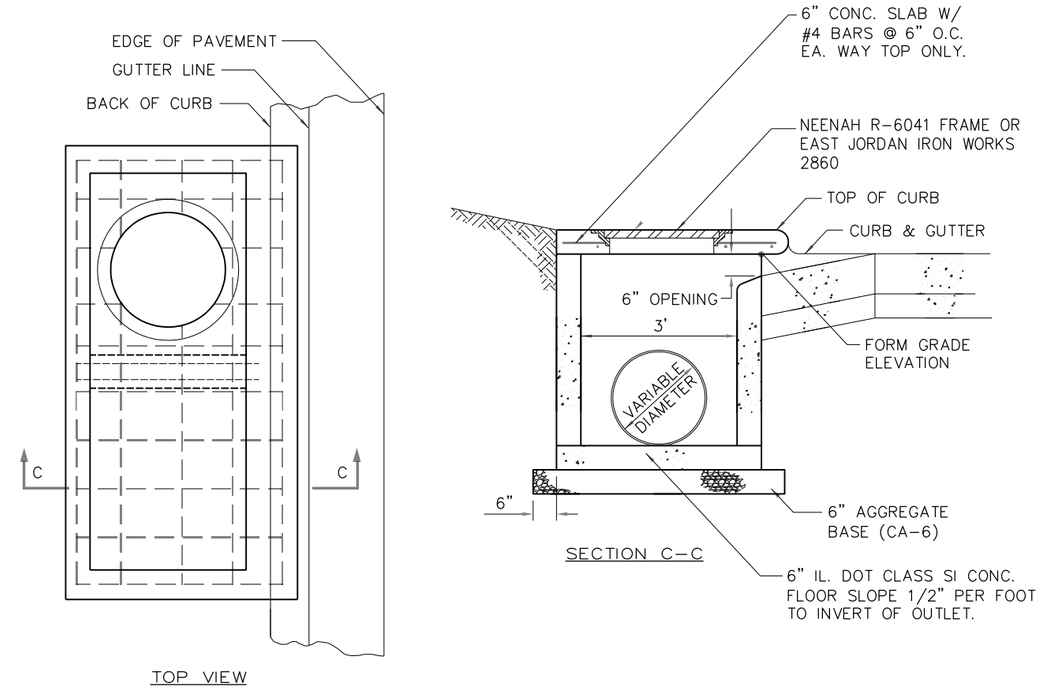
1. INLET BOXES ARE TO BE USED WITH NEENAH R-3246 OR EAST JORDAN WORKS 7030 INLET FRAME, CURB BOX, & TYPE C GRATE OPENINGS.
2. INLET BOXES MAY BE PRECAST OR CAST IN PLACE.

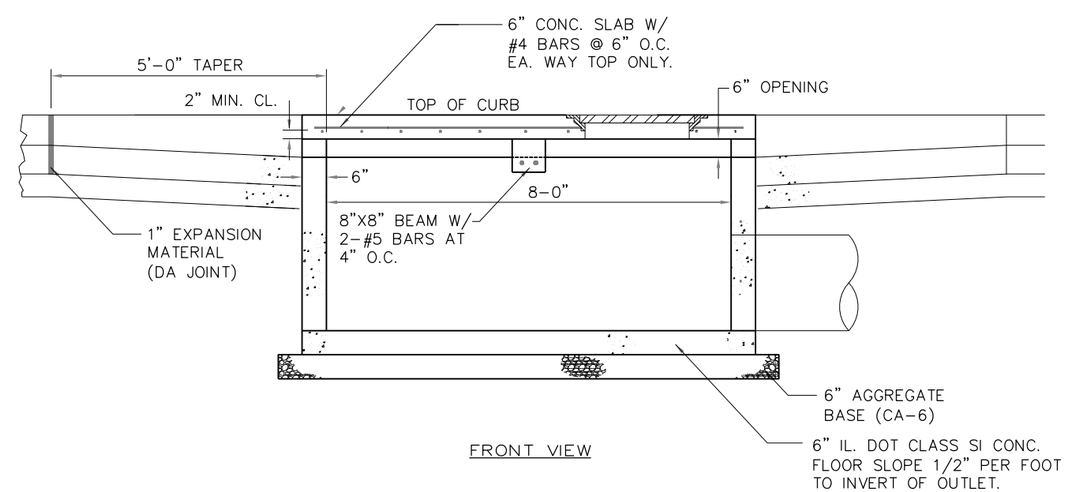
DOUBLE INLET (SPECIAL)





INLET (SPECIAL), NO. 1





INLET (SPECIAL), NO. 2

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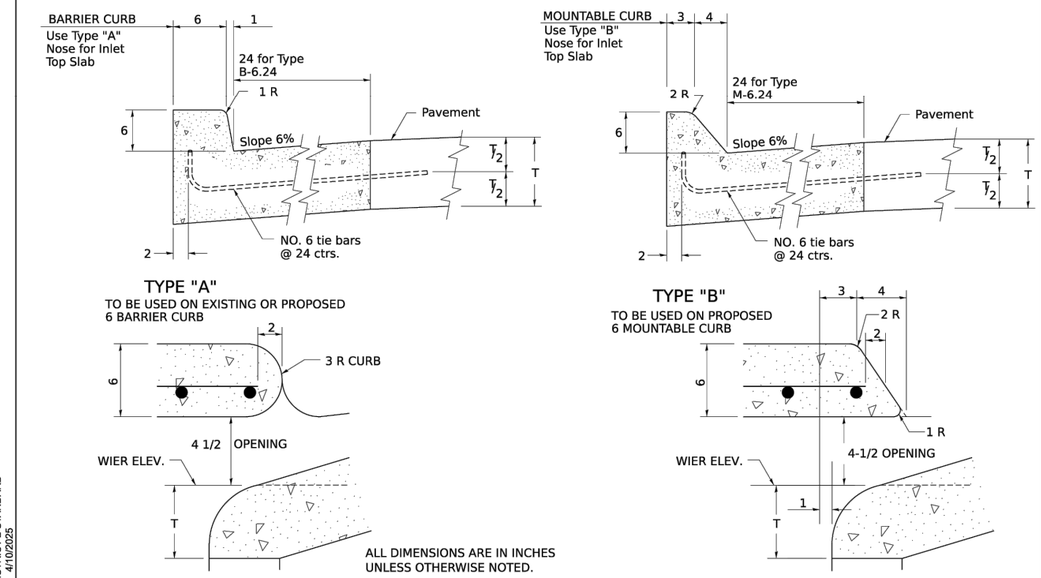
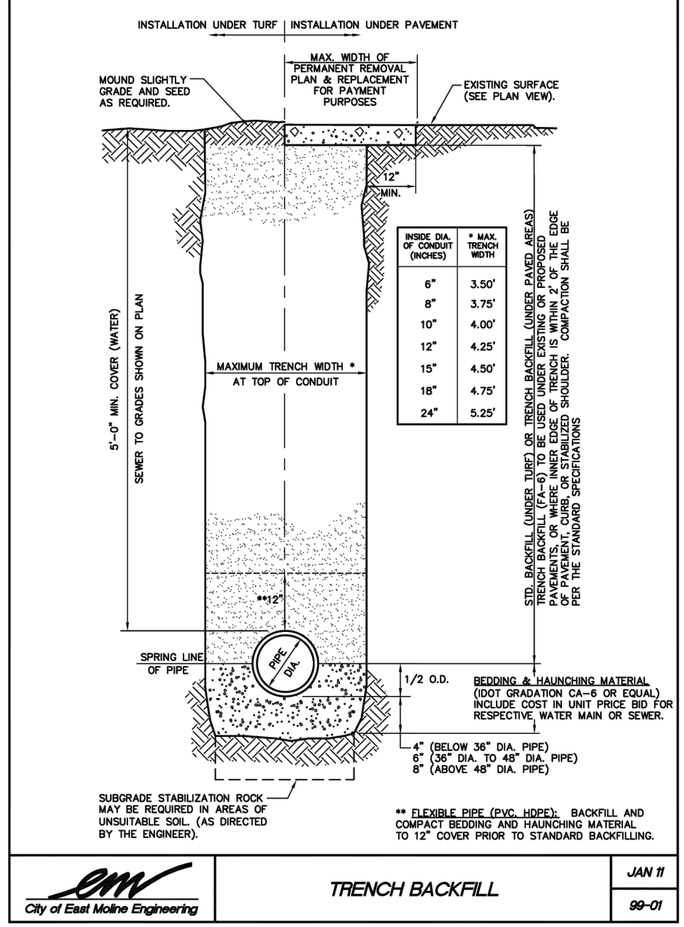
NOSE TYPE FOR INLET TOP SLAB



MODEL: 79pt4f
FILE NAME: DISTRICT 2 STANDARD
PLOT DATE = 4/10/2025

REVISED - 4-14-15	REGION 2 / DISTRICT 2 STANDARD	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
REVISED - 10-05-11							
REVISED -		CONTRACT NO.					
REVISED -	SCALE: SHEET OF SHEETS STA. TO STA.	ILLINOIS	FED. AID PROJECT				

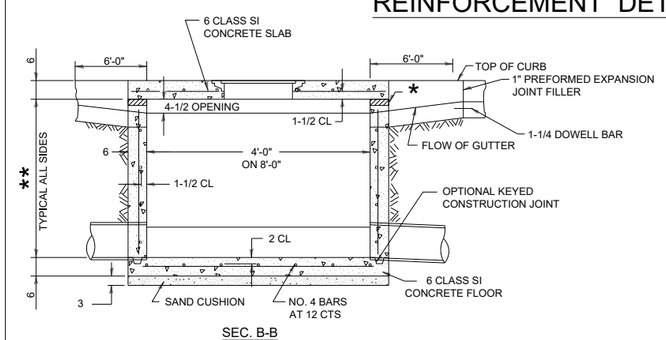
NOSE TYPE FOR INLET TOP SLAB 79.4f



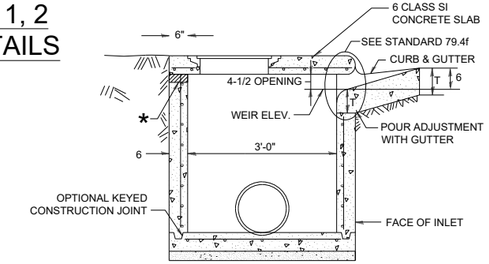
INSIDE DIA. OF CONDUIT (INCHES)	* MAX. TRENCH WIDTH
6"	3.50'
8"	3.75'
10"	4.00'
12"	4.25'
15"	4.50'
18"	4.75'
24"	5.25'

City of East Moline Engineering | *TRENCH BACKFILL* | *JAN 11* | *99-01*

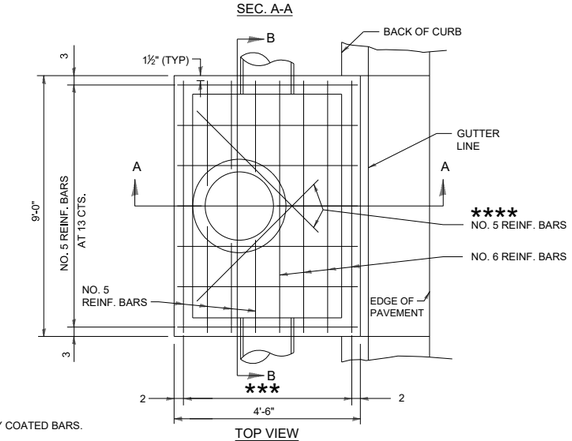
INLETS, SPECIAL, NO. 1, 2
REINFORCEMENT DETAILS



SEC. B-B



SEC. A-A



TOP VIEW

* THE WALL ADJUSTMENTS SHALL BE MADE WITH CONCRETE BUILDING BRICK OR CLASS SI CONCRETE.

THE HEIGHT OF THE BOX MAY BE CONSTRUCTED 6 SHORT TO ALLOW FOR FIELD ADJUSTMENTS.

** 4'-0" TO 8'-0" -
NO.5 REINF. BARS AT 12 CTS. E.W.
8'-0" TO 13'-0" -
NO.5 REINF. BARS AT 10 CTS. E.W.
13'-0" TO 15'-0" -
NO.5 REINF. BARS AT 8 CTS. E.W.

*** 7 SPA. AT 8" INLET SPECIAL # 1
5 SPA AT 7-5/8" INLET SPECIAL #2

**** 2 REBARS

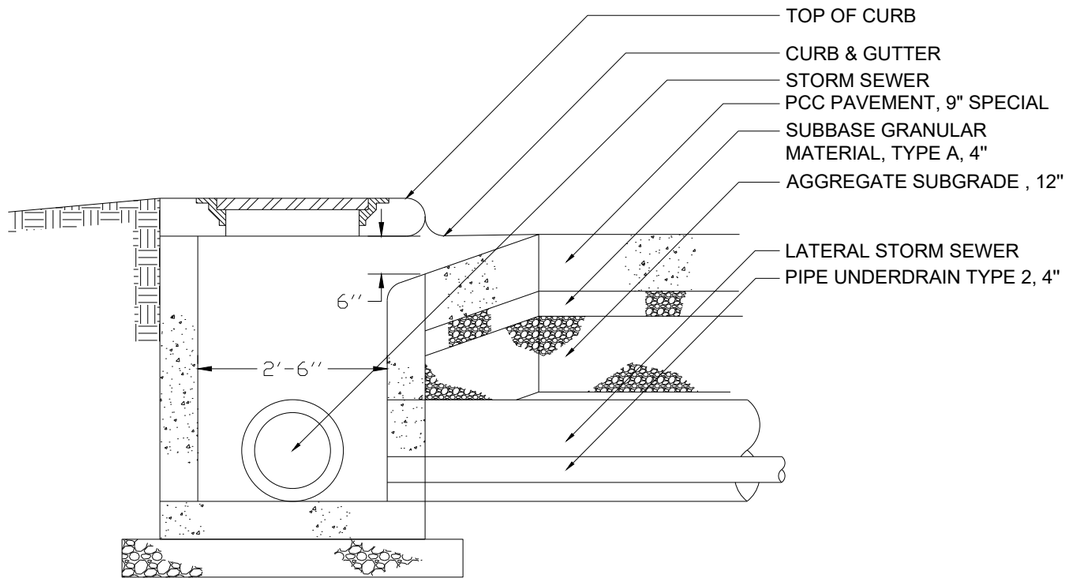
NOTES

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

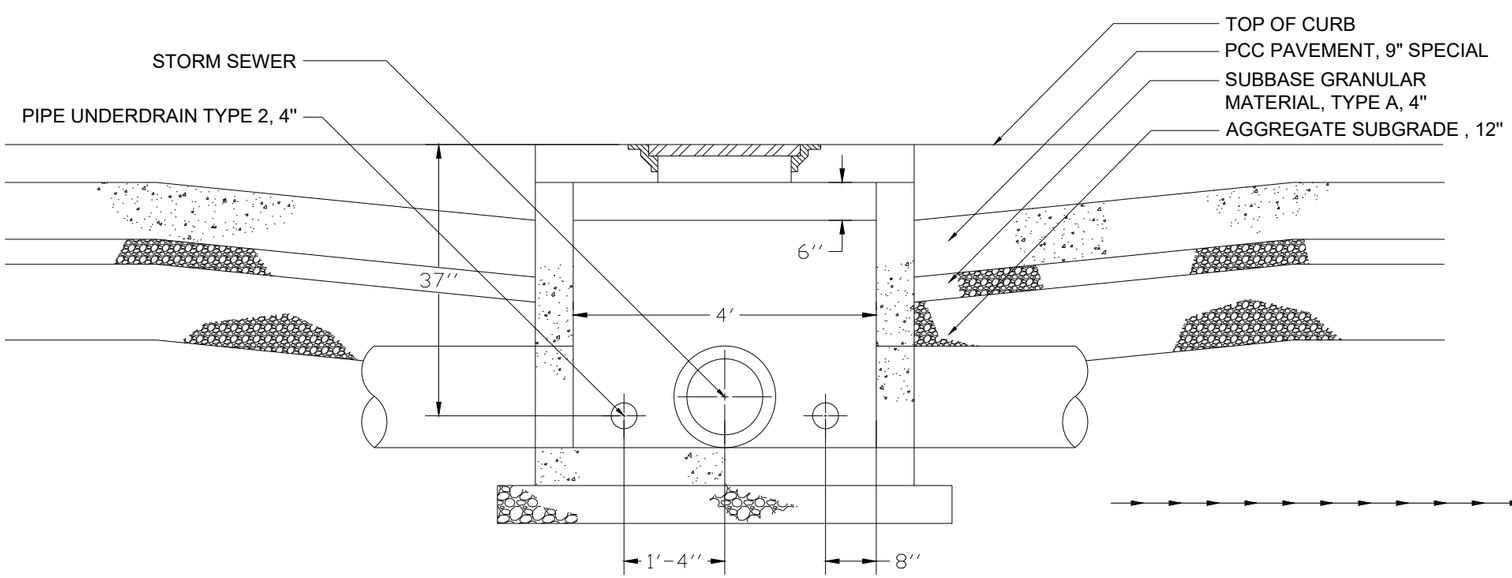
TOP SLAB REINFORCEMENT TO BE EPOXY COATED BARS.

Z:\5201 - Downtown Reconstruction - PH I-II (CMT - East Moline)\Design_CADD\CADD Sheets\5201 - sht_Details D2.dwg

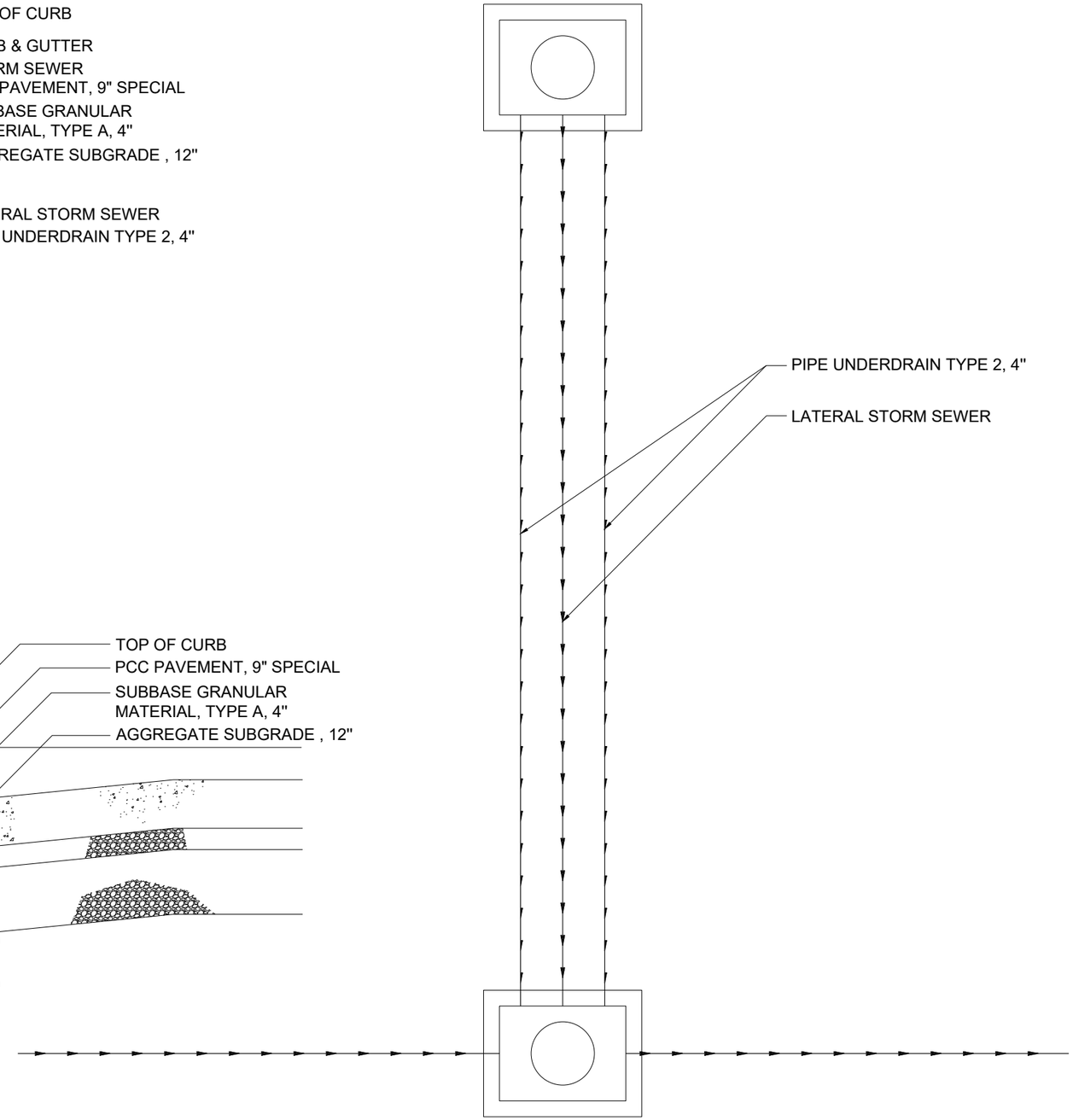
Hutchison Engineering, Inc.	DESIGNED BMP DATE- 10-29-25	12TH AVENUE RECONSTRUCTION	CITY OF EAST MOLINE	DETAILS	SHEET 173 OF 214
	DRAWN BMP				
	CHECKED DJD				
	PROJECT #: 5201				



SIDE VIEW



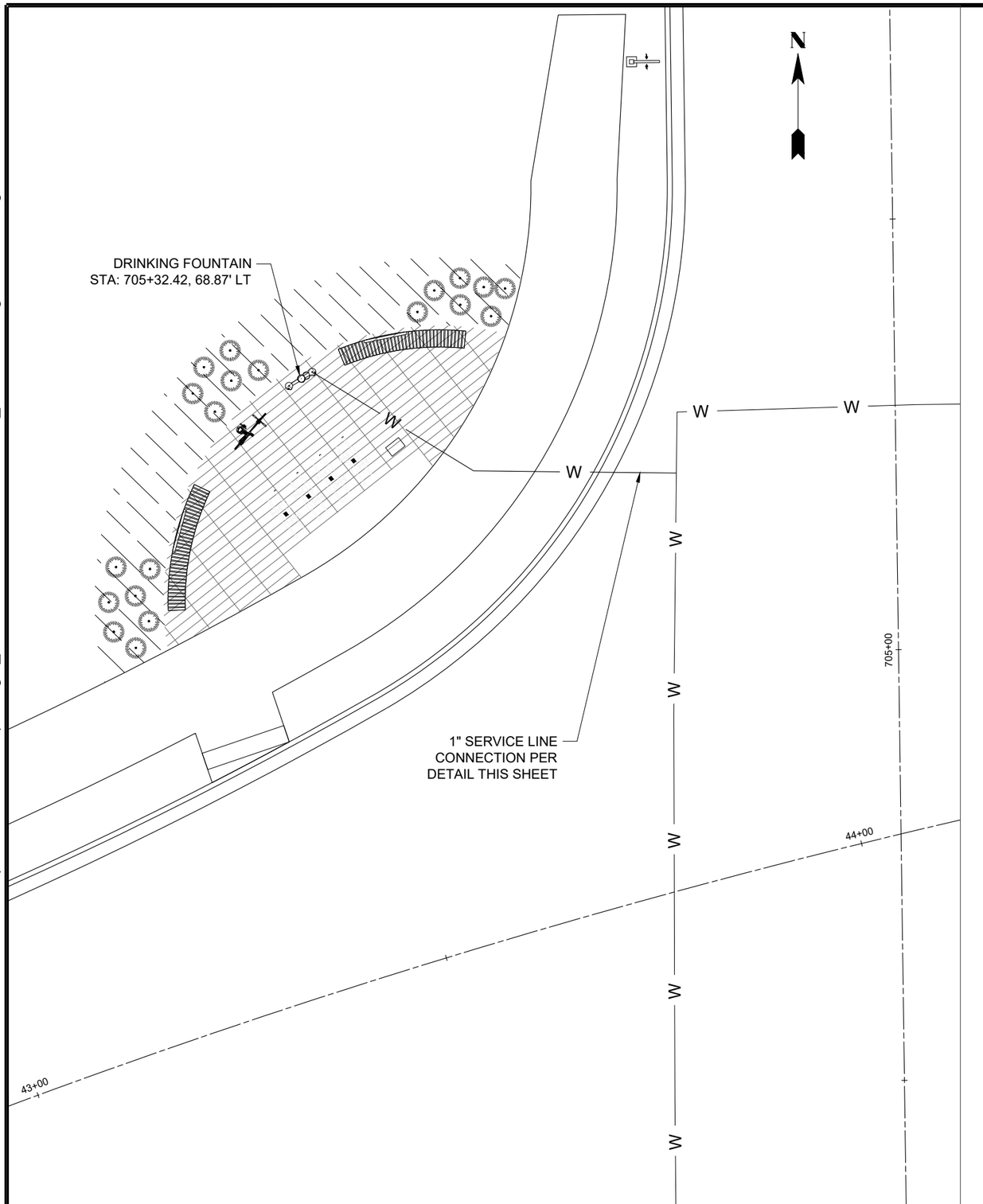
FRONT VIEW

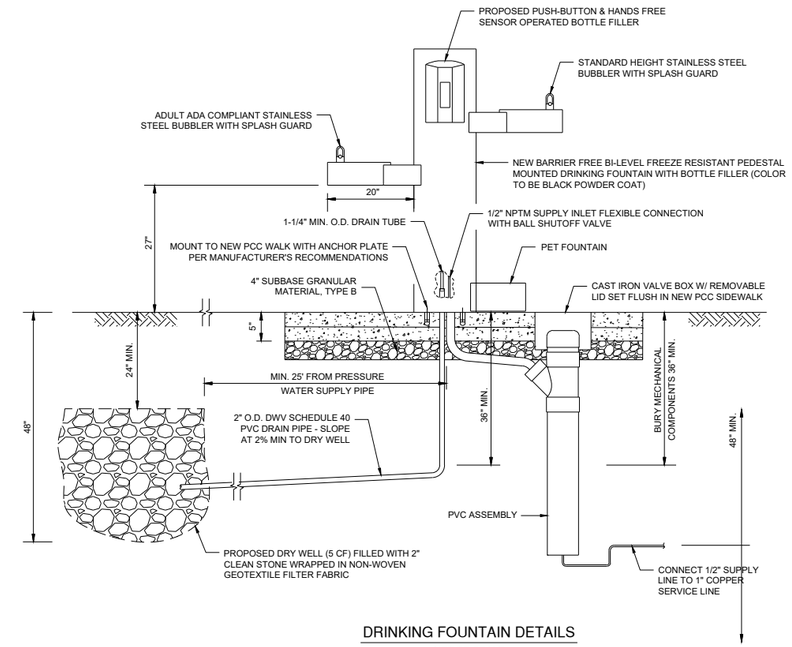


TOP VIEW

Z:\5201 - Downtown Reconstruction - PH I-II (CMT - East Moline)\Design_CADD\CADD Sheets\5201 - sht_Details D2.dwg

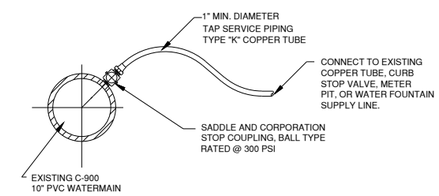
Hutchison Engineering, Inc.	DESIGNED BMP DATE- 10-29-25 DRAWN BMP CHECKED DJD PROJECT #: 5201	12TH AVENUE RECONSTRUCTION	CITY OF EAST MOLINE	DETAILS	SHEET 174 OF 214





DRINKING FOUNTAIN DETAILS

NOT TO SCALE



TYPICAL SERVICE TAP

N.T.S.

NOTES

1. ALL MATERIALS THAT COME INTO CONTACT WITH POTABLE WATER SHALL COMPLY WITH THE REQUIREMENTS OF NSF 61 AND NSF 372.
2. A STAINLESS STEEL TAPPING SADDLE SHALL BE USED FOR SERVICE CONNECTIONS TO PVC WATERMAINS.
3. CORPORATION STOP SHALL BE BRASS, BALL VALVE TYPE MANUFACTURED IN ACCORDANCE WITH AWWA STANDARD C800. THE MAIN SHALL BE TAPPED AT AN ANGLE OF 45 DEGREES WITH THE VERTICAL. THE STOP MUST BE TURNED SO THAT THE T-HANDLE WILL BE ON TOP.
4. SERVICE SADDLE AND CORPORATION STOP SHALL BE THE SAME SIZE AS THE SERVICE LINE.
5. MISCELLANEOUS SERVICE LINE FITTINGS SUCH AS COUPLINGS, ADAPTERS, SADDLES, BENDS, PLUGS, SERVICE LINE ELECTRICAL INSULATORS, ETC. SHALL CONFORM TO AWWA STANDARD C800.
6. COPPER PIPE SHALL BE TYPE K, MEETING THE REQUIREMENTS OF ASTM STANDARD B88.

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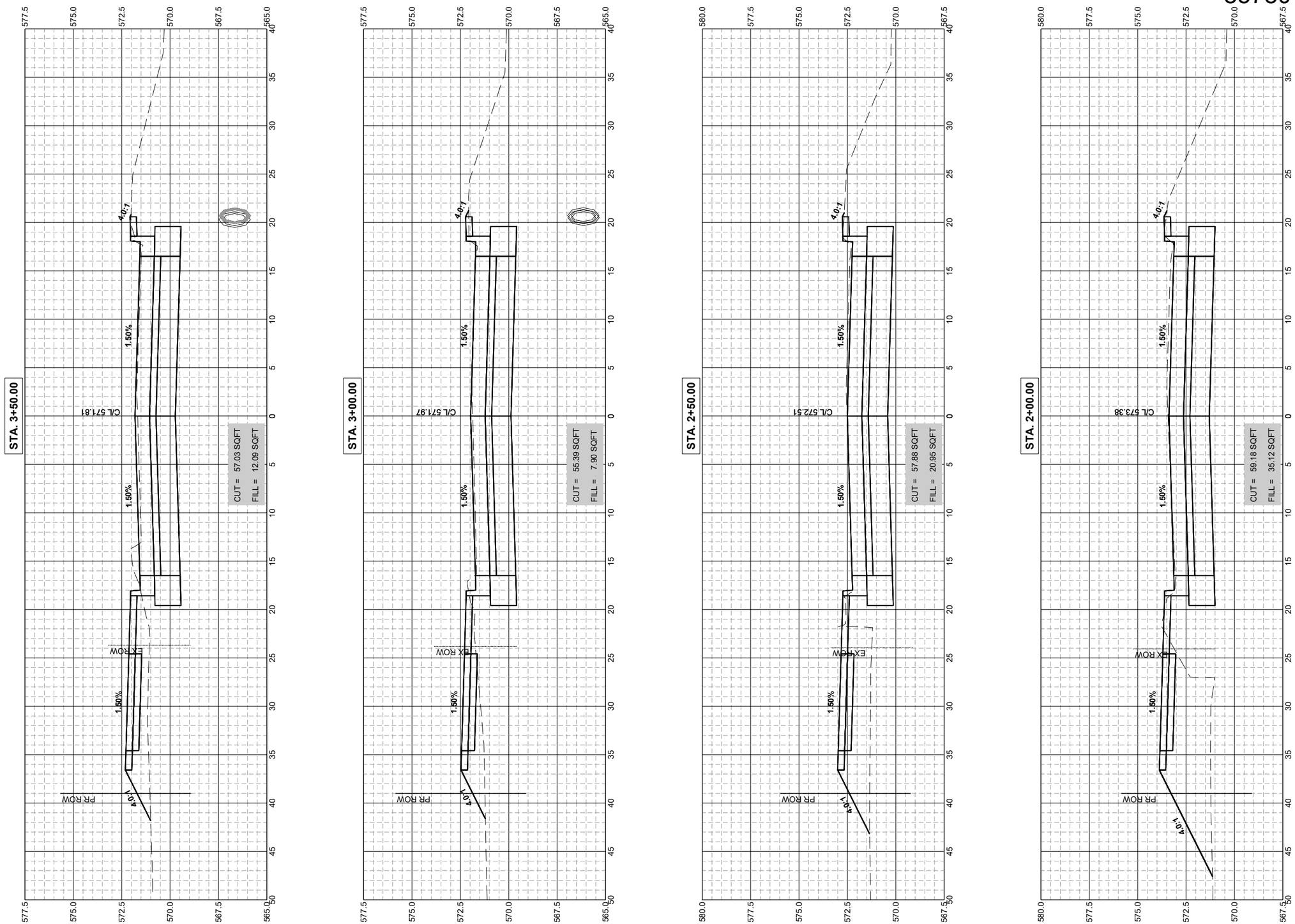
Hutchison Engineering, Inc.	DESIGNED BMP DATE- 10-29-25 DRAWN BMP CHECKED AM PROJECT #: 5201	12TH AVENUE RECONSTRUCTION	CITY OF EAST MOLINE	DRINKING FOUNTAIN DETAILS



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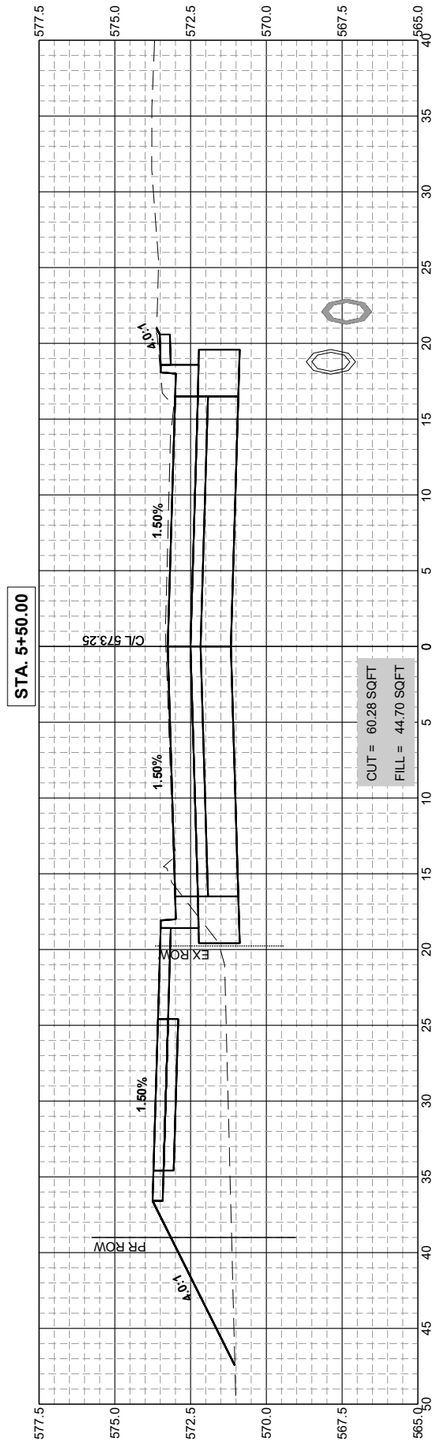
Hutchison Engineering, Inc.

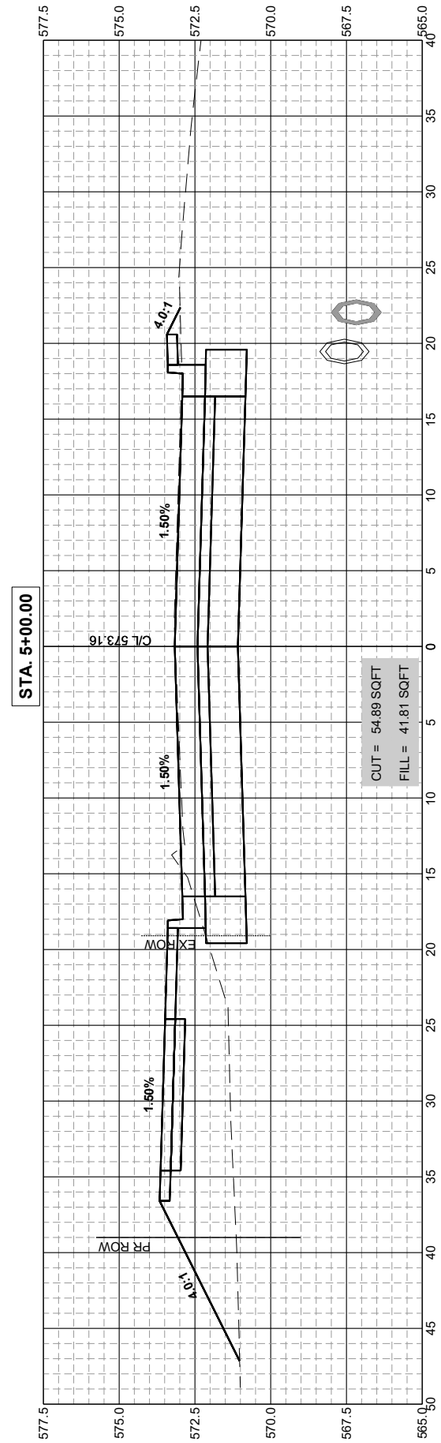
DESIGNED	BMP	DATE: 10-29-25
DRAWN	BMP	
CHECKED	DJD	
PROJECT #:	5201	

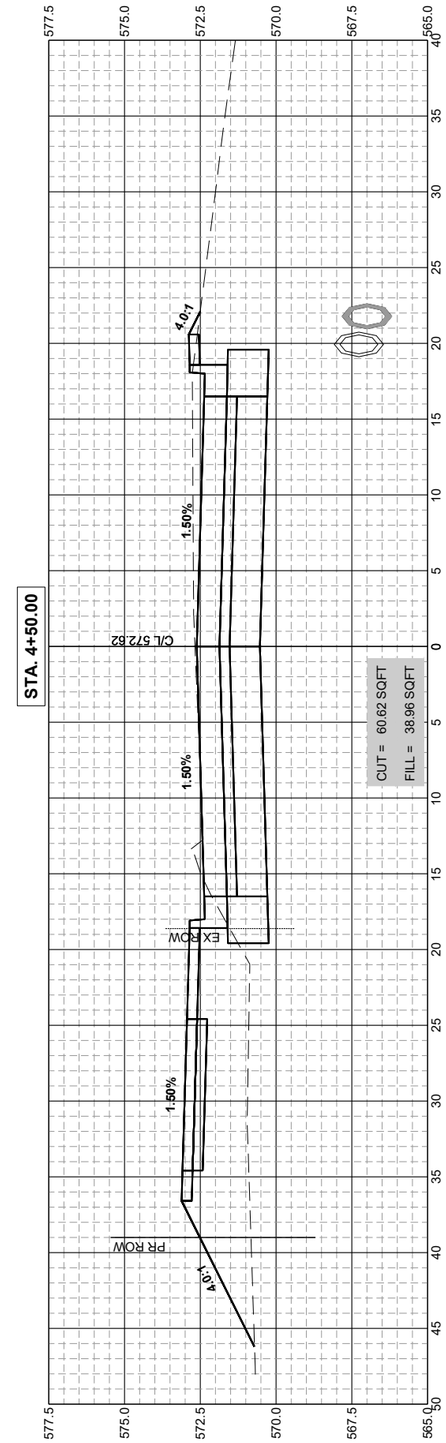
12TH AVENUE RECONSTRUCTION

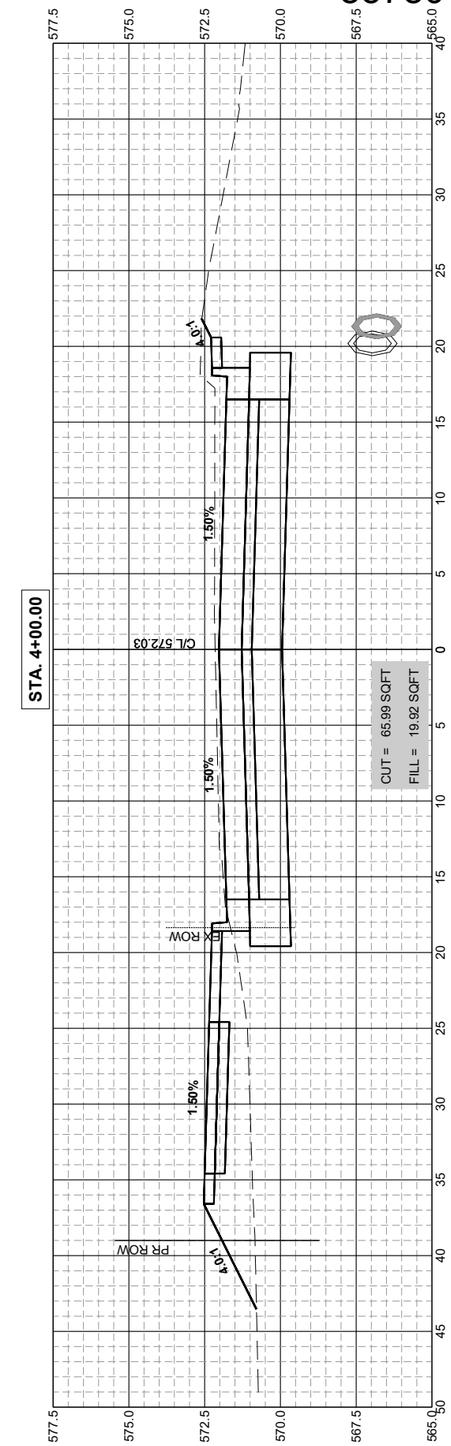
CITY OF EAST MOLINE

CROSS SECTIONS (12TH AVE)









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Hutchison Engineering, Inc.

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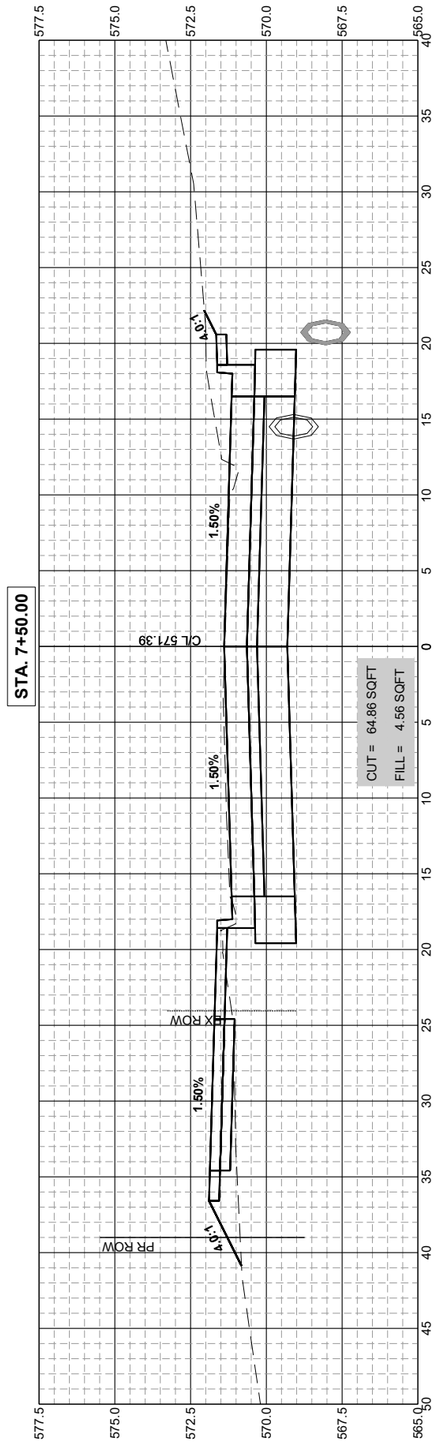
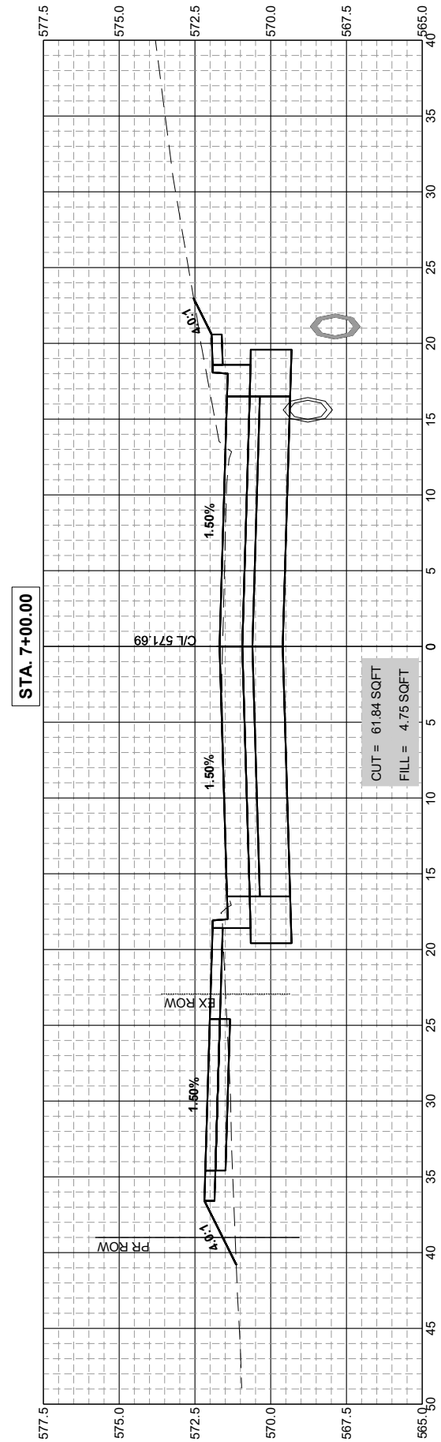
PROJECT #:	5201	

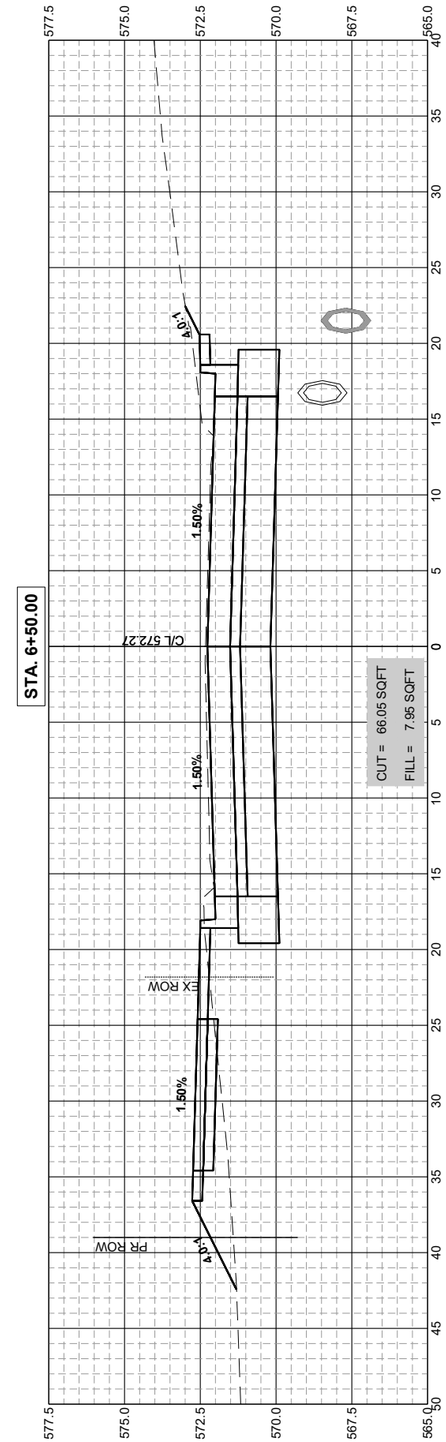
12TH AVENUE RECONSTRUCTION

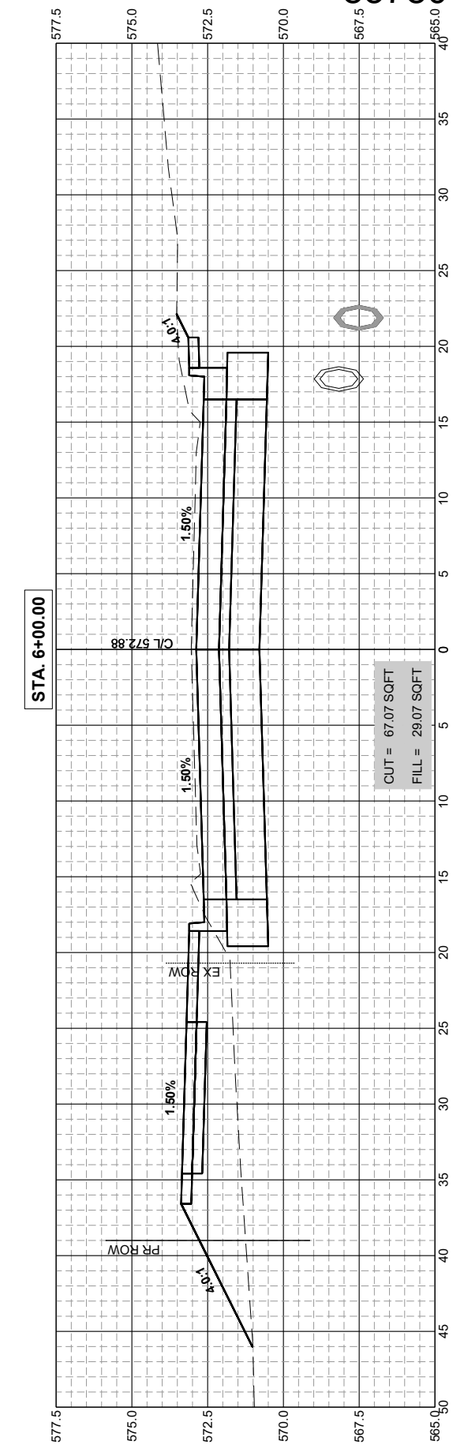
CITY OF EAST MOLINE

CROSS SECTIONS (12TH AVE)









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Hutchison Engineering, Inc.

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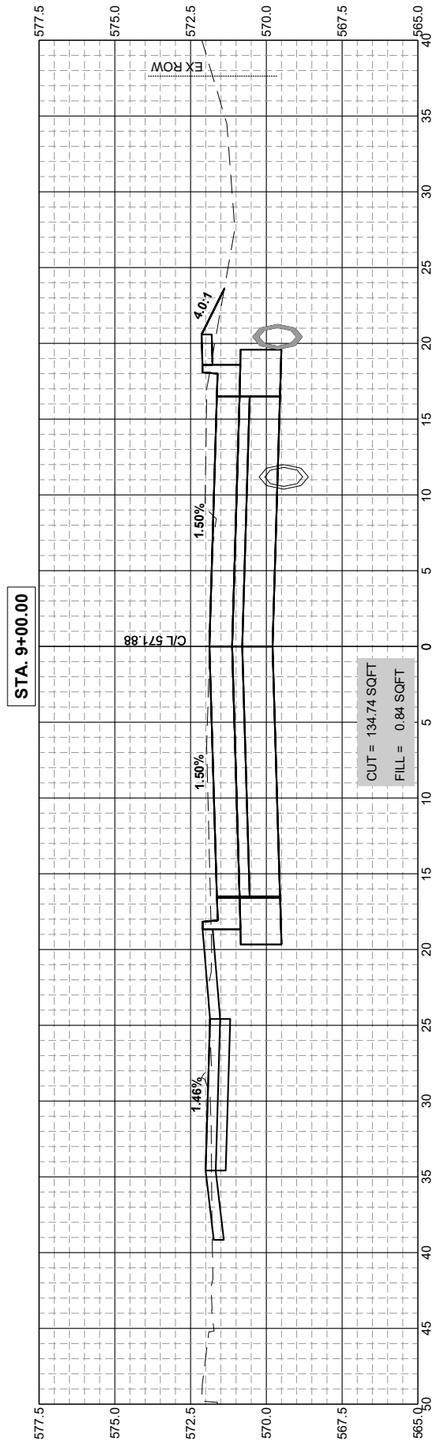
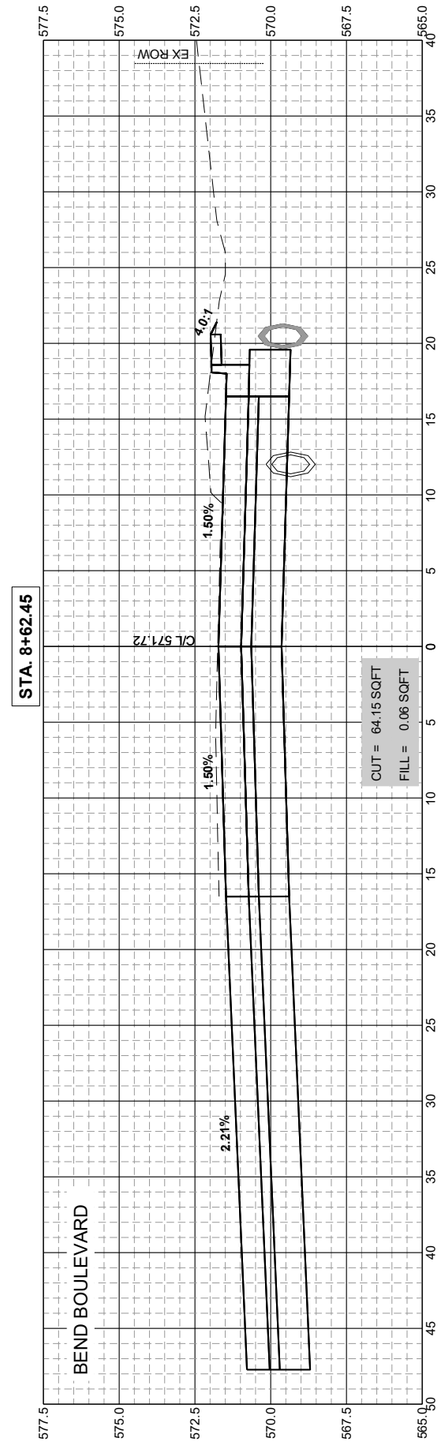
CHECKED	DJD	
PROJECT #:	5201	

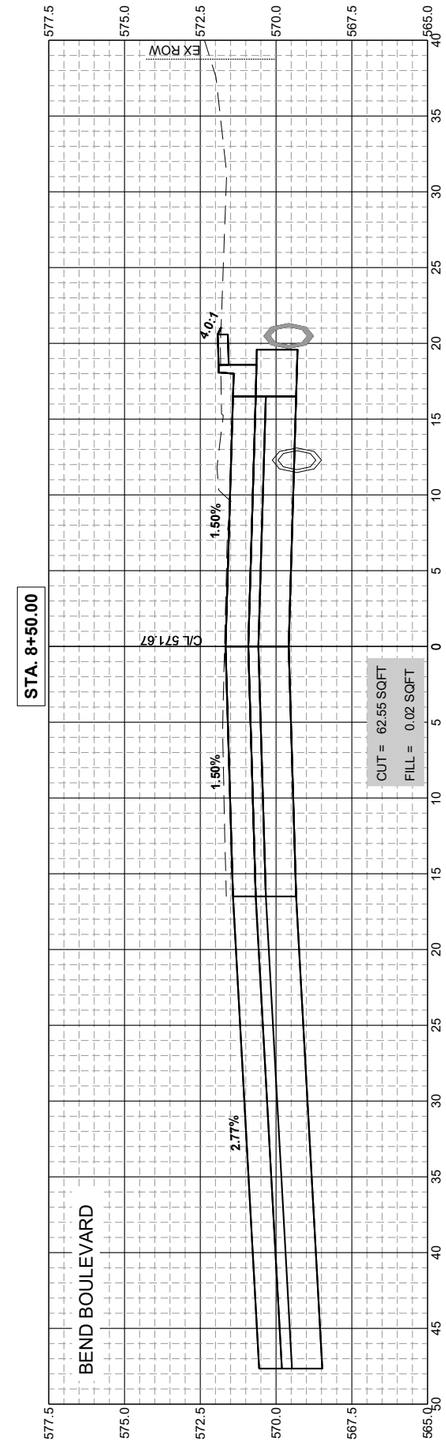
12TH AVENUE RECONSTRUCTION

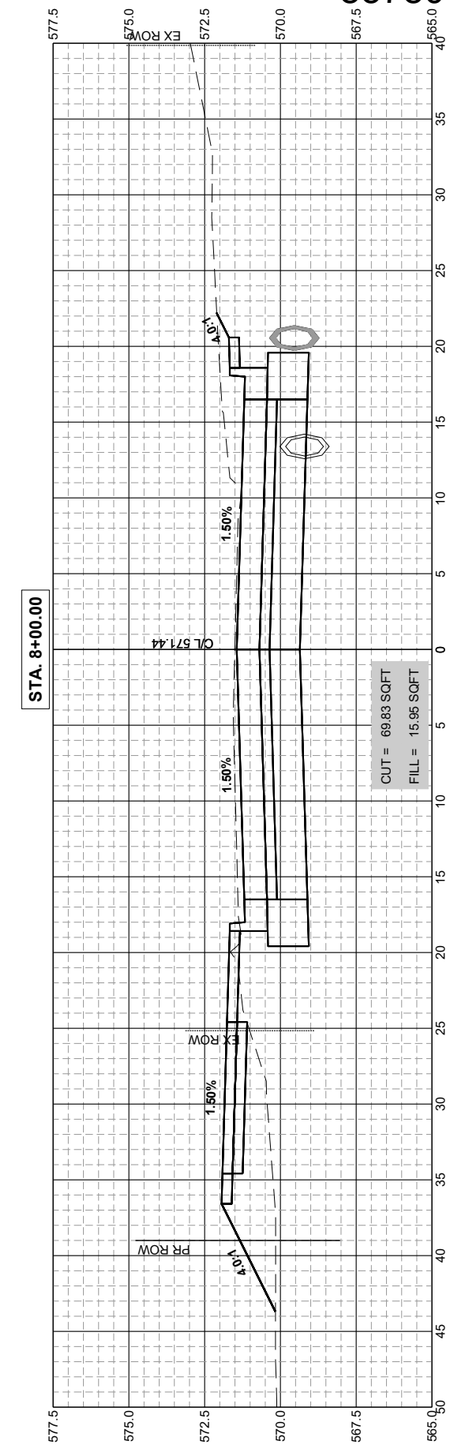
CITY OF EAST MOLINE

CROSS SECTIONS (12TH AVE)









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Hutchison Engineering, Inc.

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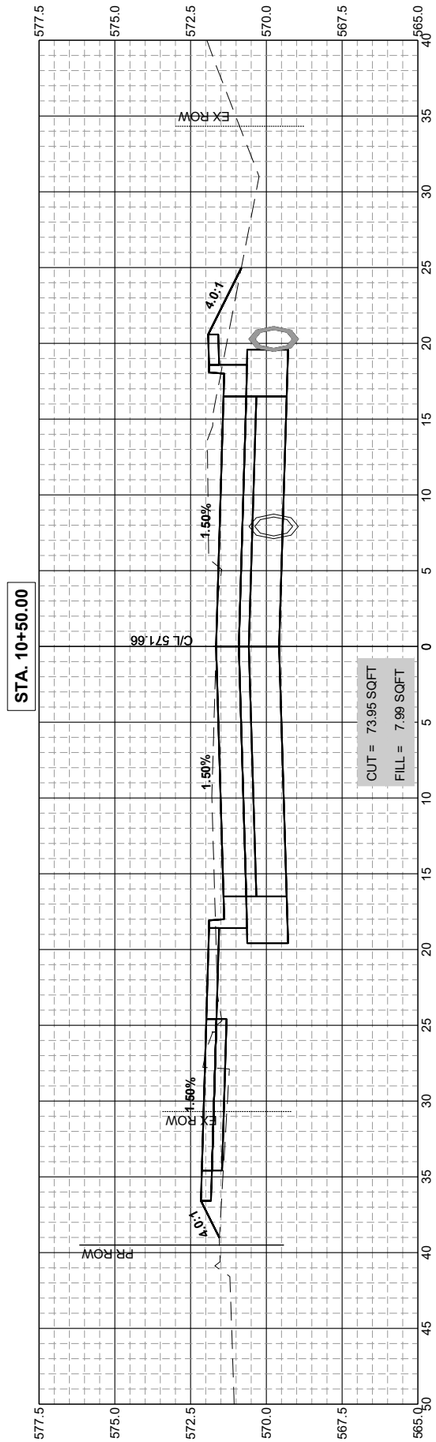
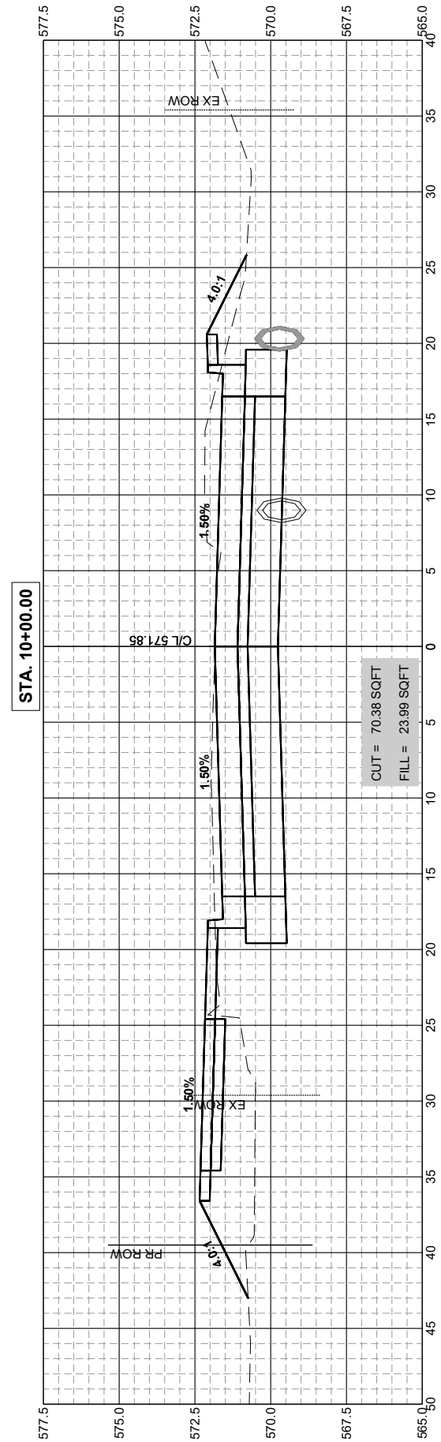
PROJECT #:	5201	

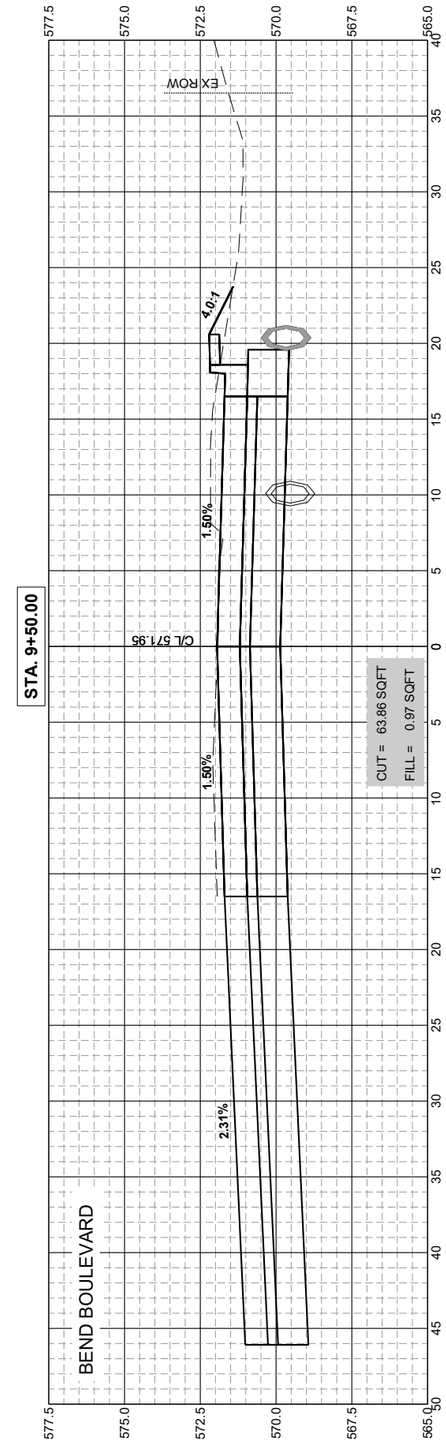
12TH AVENUE RECONSTRUCTION

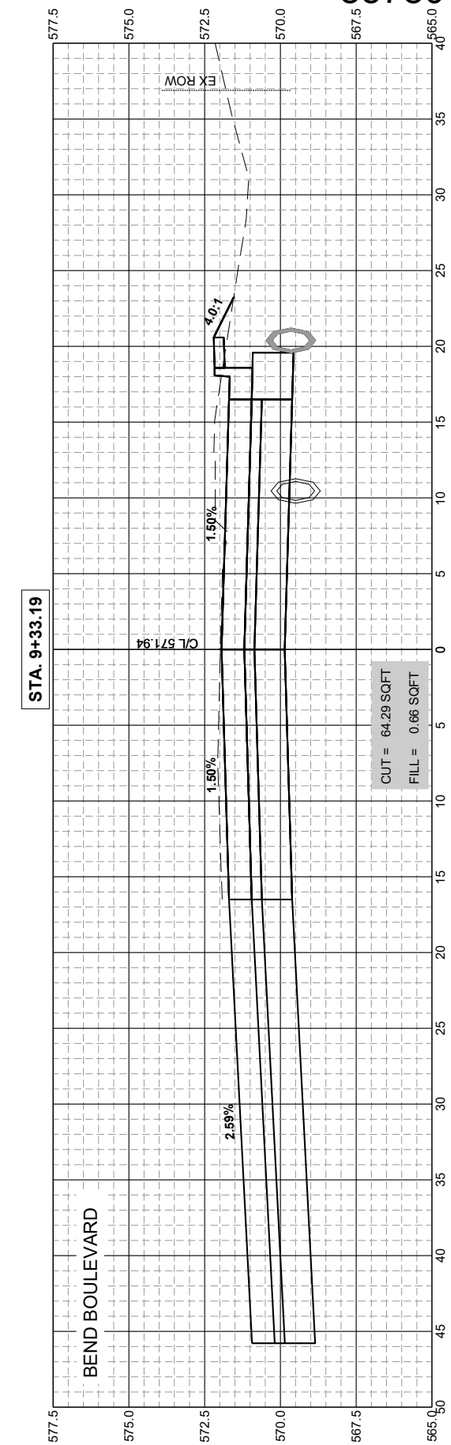
CITY OF EAST MOLINE

CROSS SECTIONS (12TH AVE)









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Hutchison Engineering, Inc.

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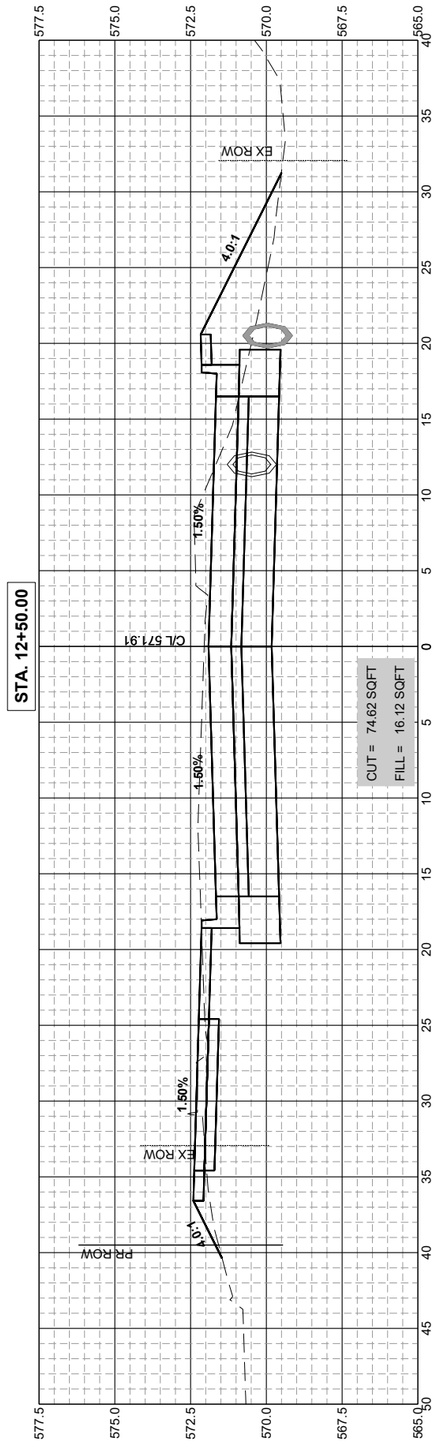
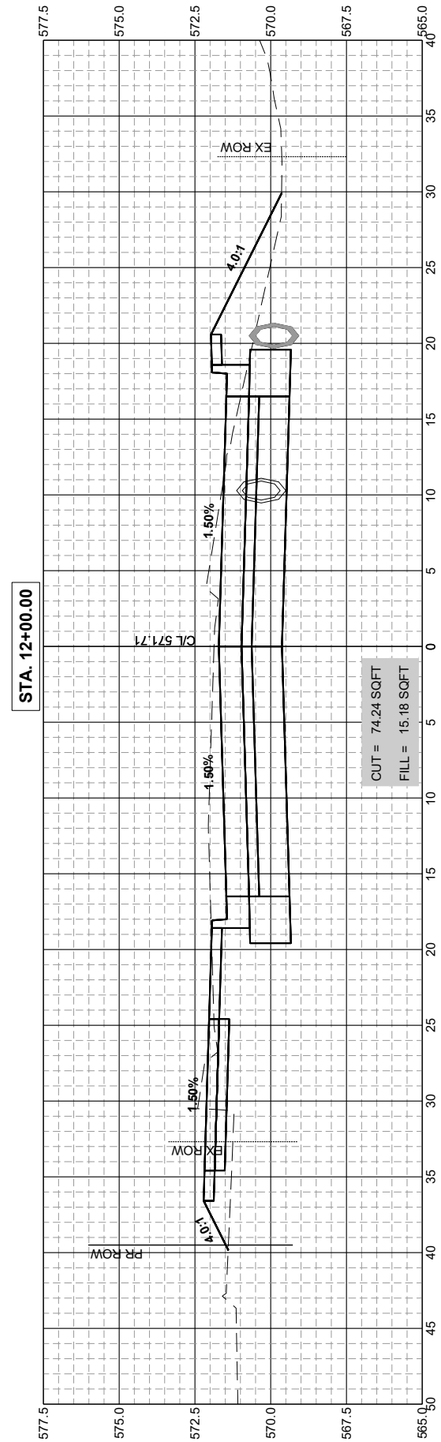
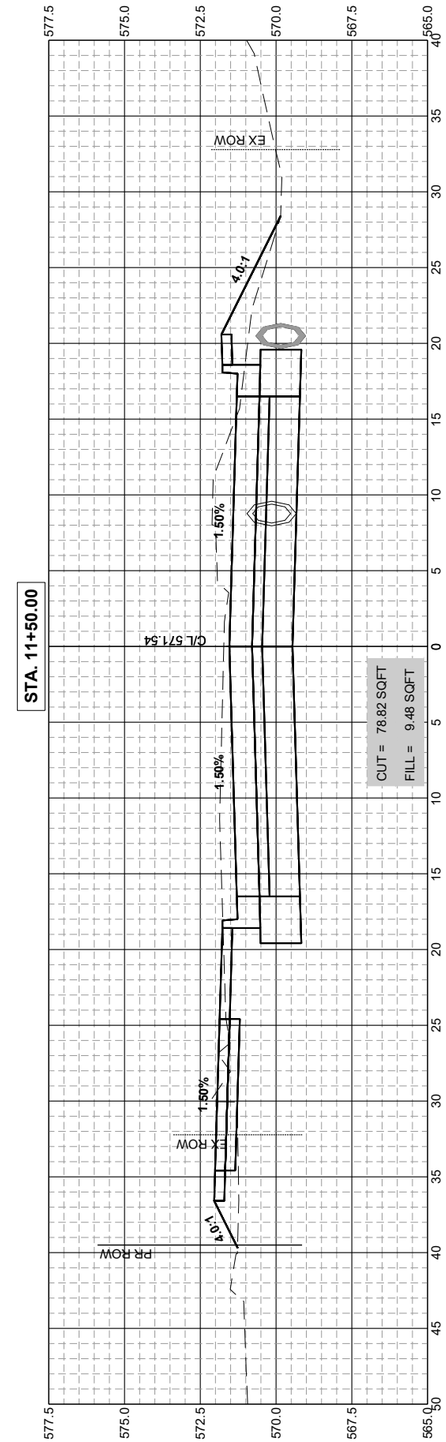
12TH AVENUE RECONSTRUCTION

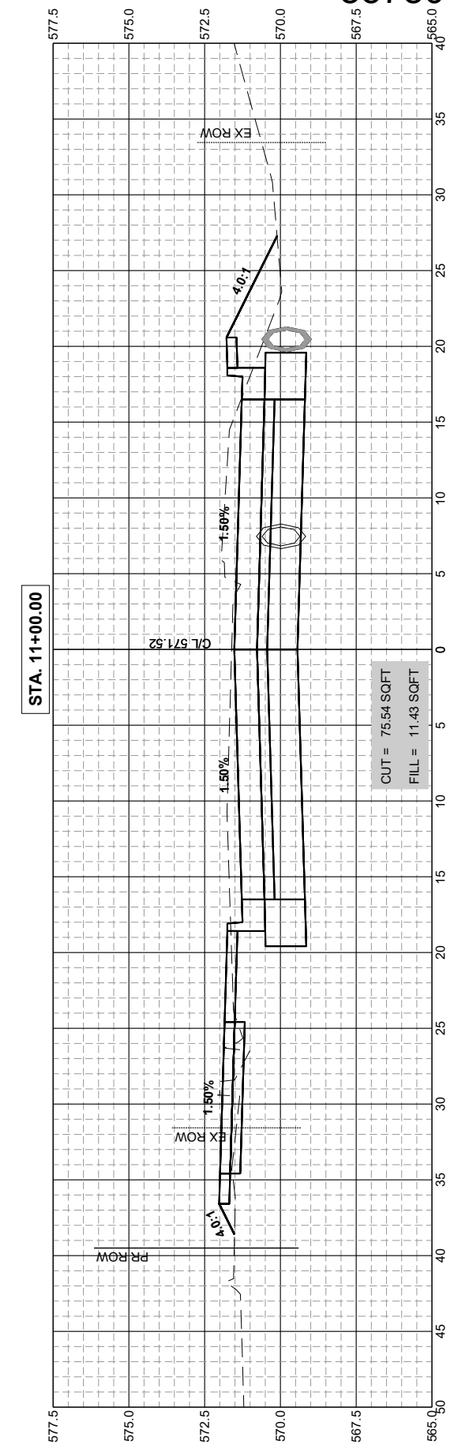
CITY OF EAST MOLINE

CROSS SECTIONS (12TH AVE)









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Hutchison Engineering, Inc.

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12TH AVENUE RECONSTRUCTION

CITY OF EAST MOLINE

CROSS SECTIONS (12TH AVE)

Hutchison Engineering, Inc.

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DRAWN	BMP		
CHECKED	DJD		
PROJECT #	5201		

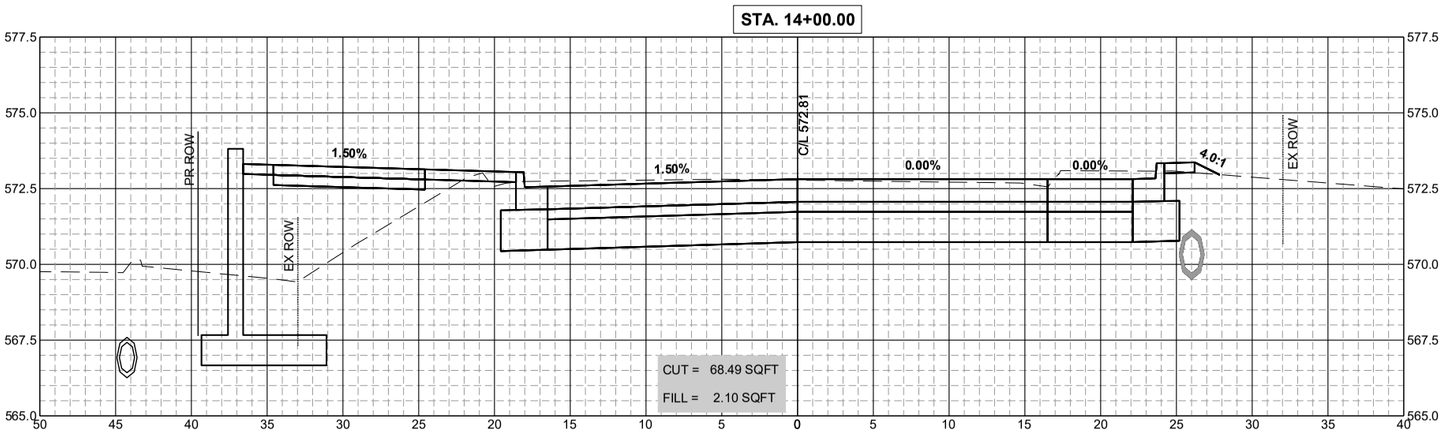
12TH AVENUE RECONSTRUCTION

CITY OF EAST MOLINE

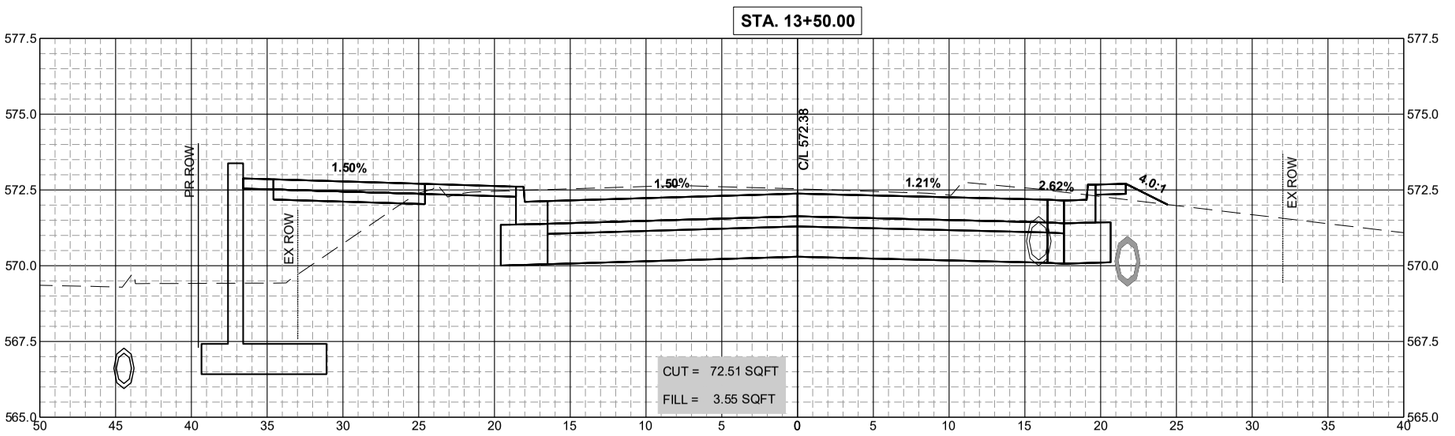
CROSS SECTIONS (12TH AVE)

RETAINING WALL NOT DRAWN TO SCALE.
SEE RETAINING WALL DETAIL SHEETS
FOR ELEVATION INFORMATION.

STA. 14+00.00



STA. 13+50.00



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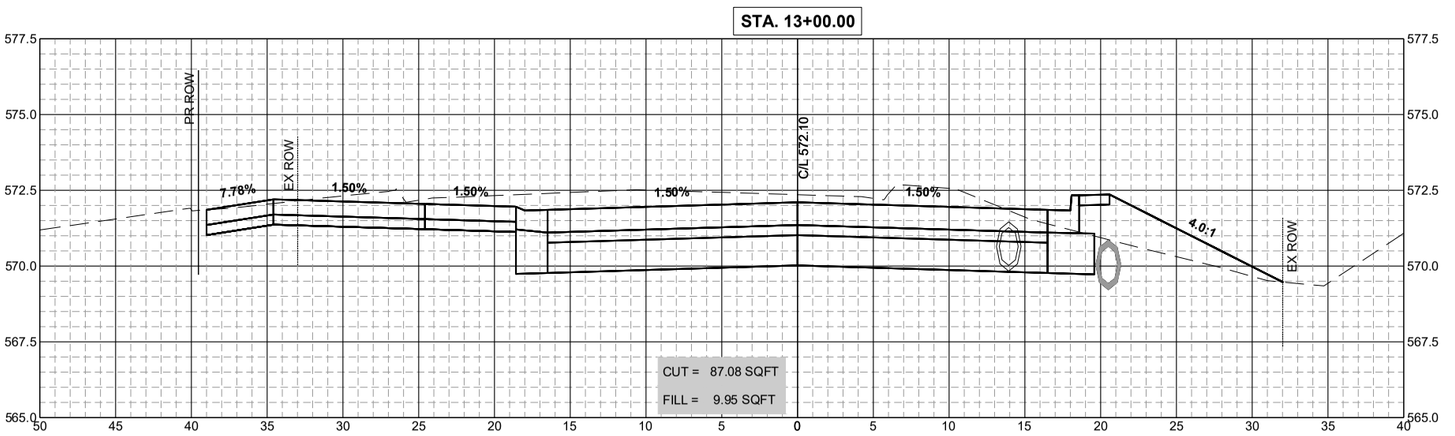

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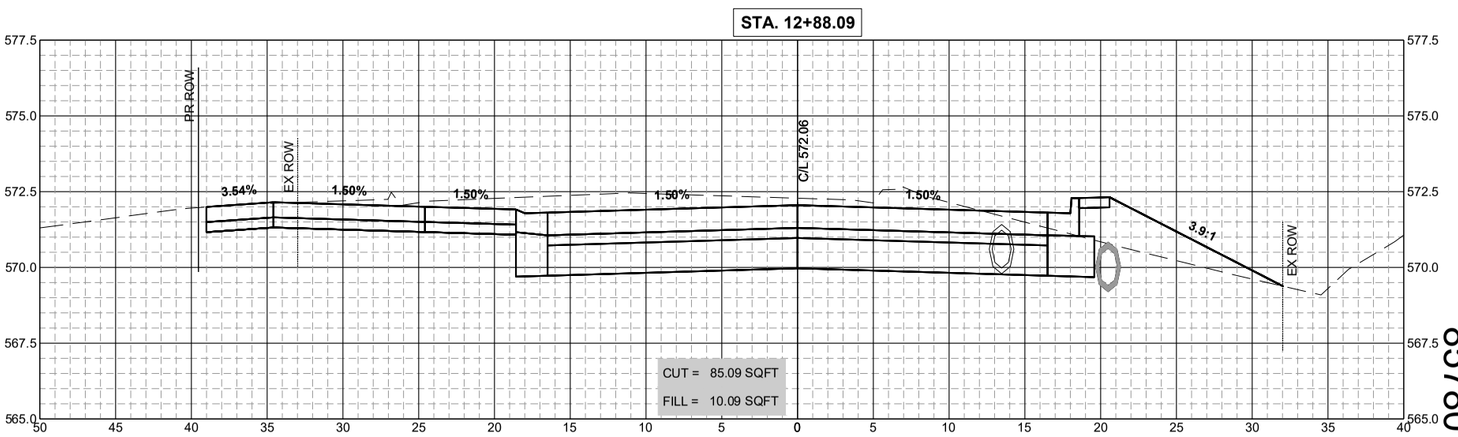


85780

Hutchison Engineering, Inc.

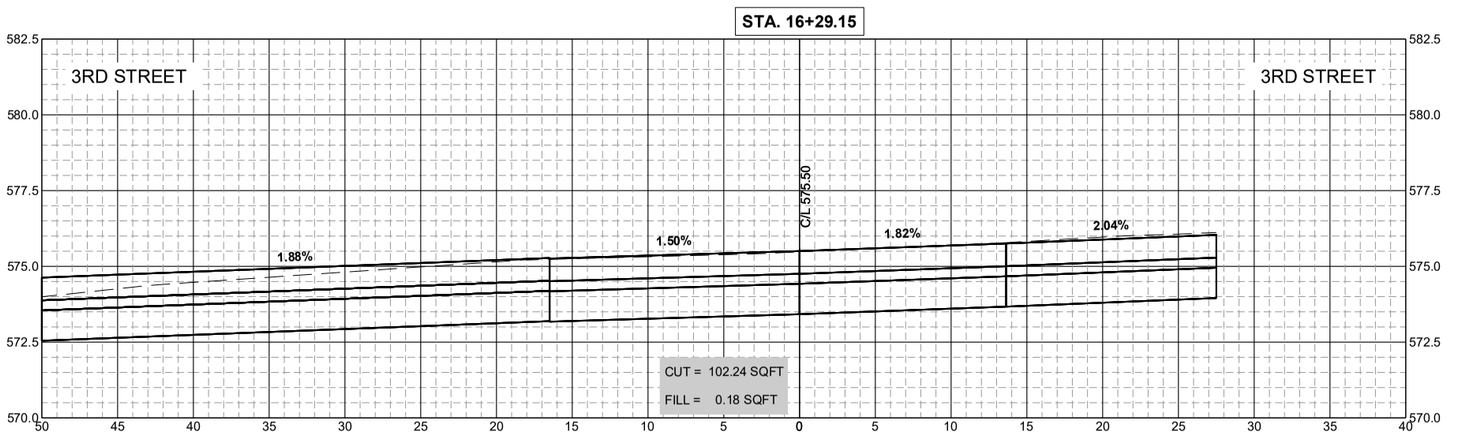
DESIGNED	BMP
DRAWN	BMP
CHECKED	DJD
PROJECT #	5201
DATE	10-29-25

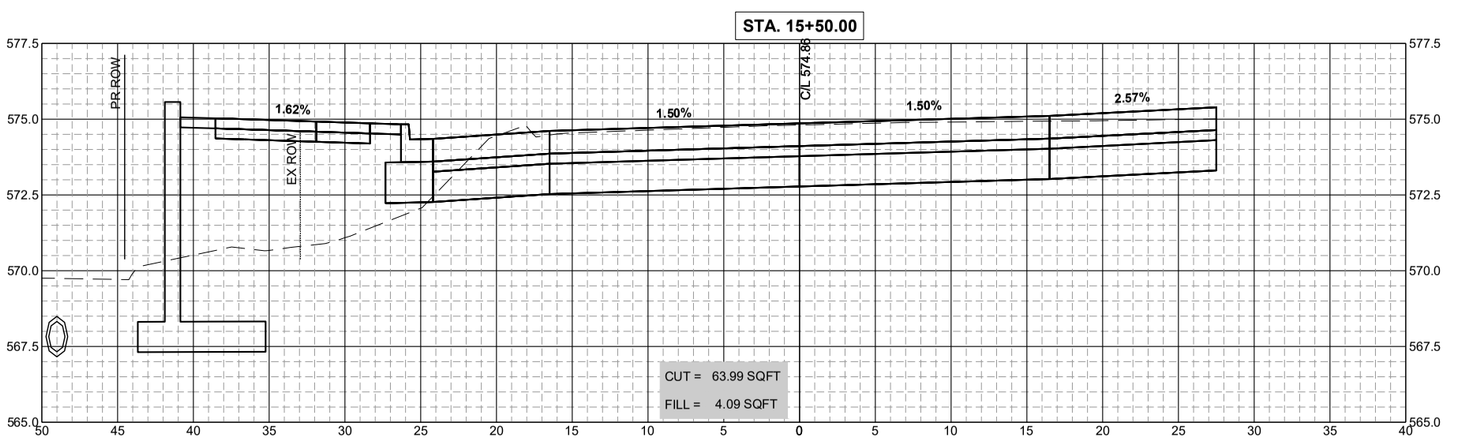
12TH AVENUE RECONSTRUCTION

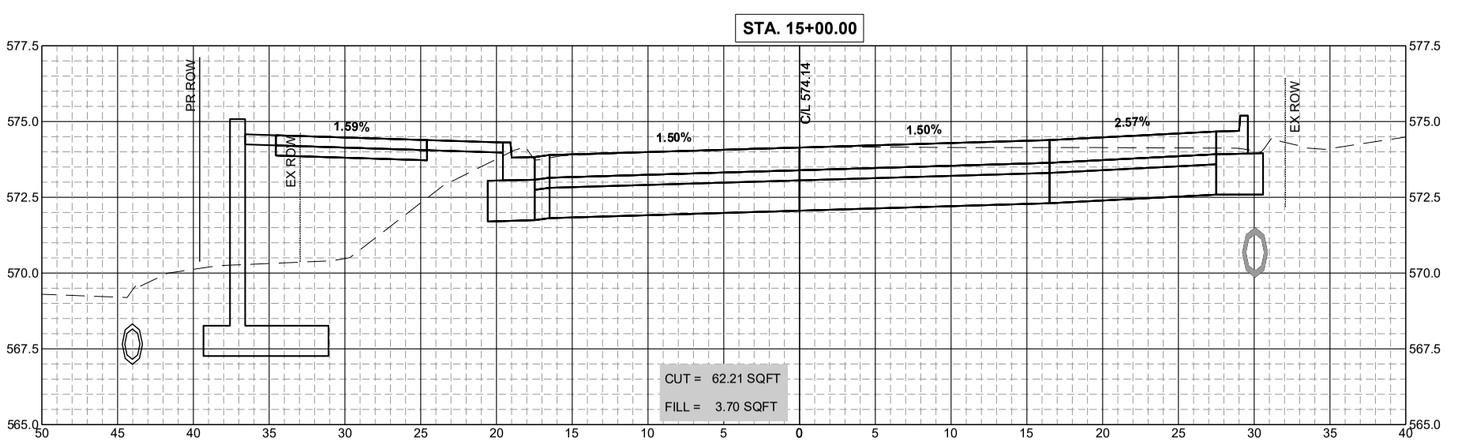
CITY OF EAST MOLINE

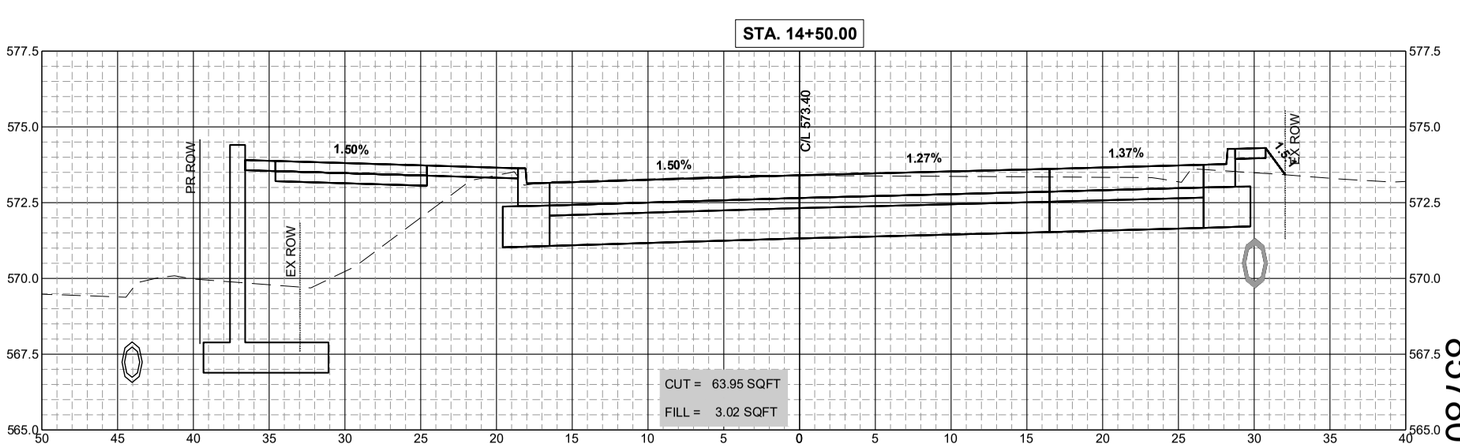
CROSS SECTIONS (12TH AVE)

RETAINING WALL NOT DRAWN TO SCALE.
SEE RETAINING WALL DETAIL SHEETS
FOR ELEVATION INFORMATION.









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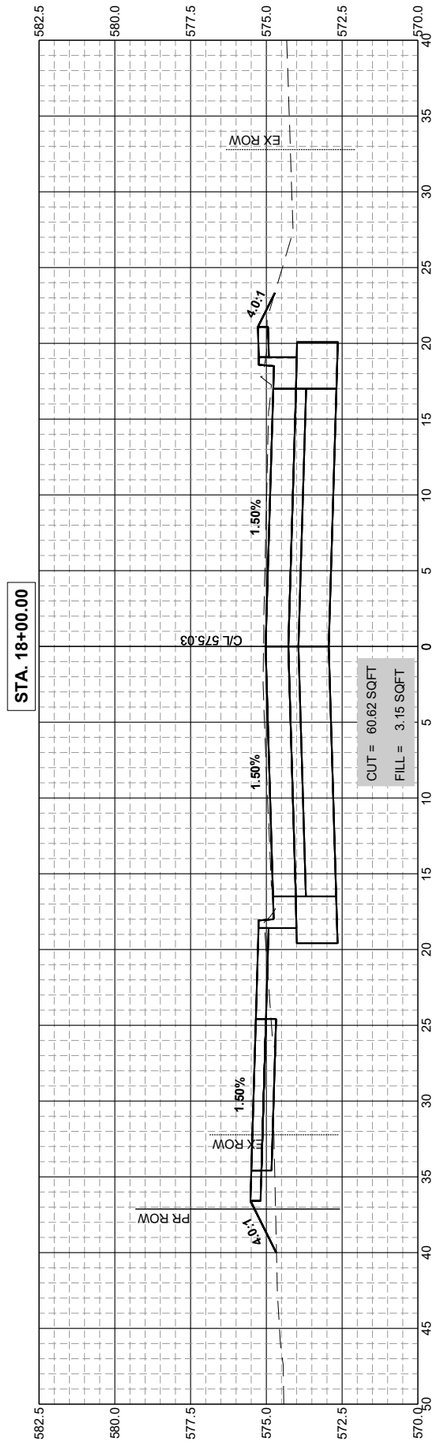

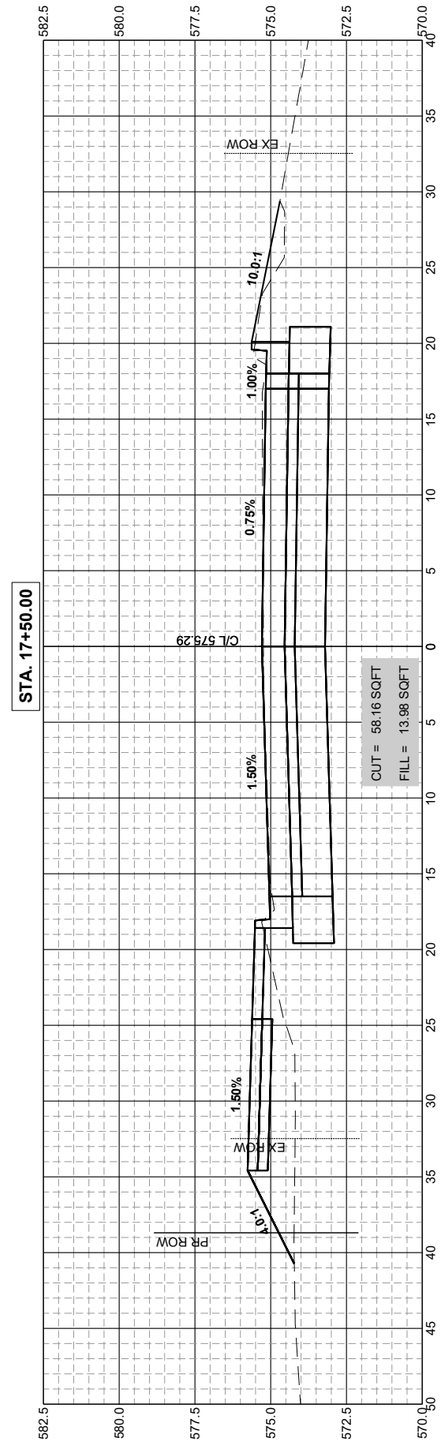

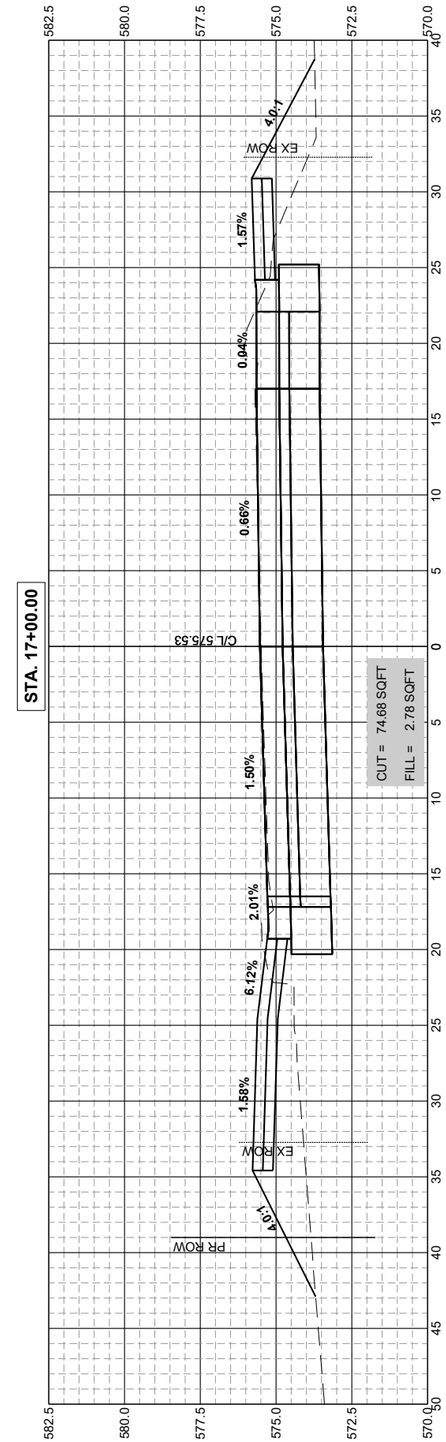

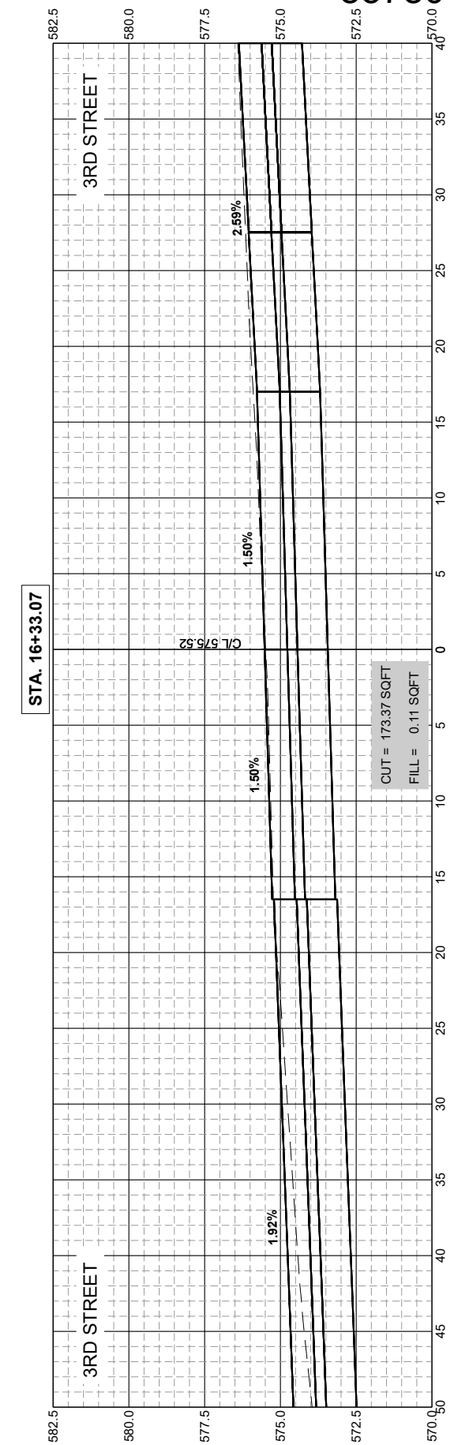

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Hutchison Engineering, Inc.

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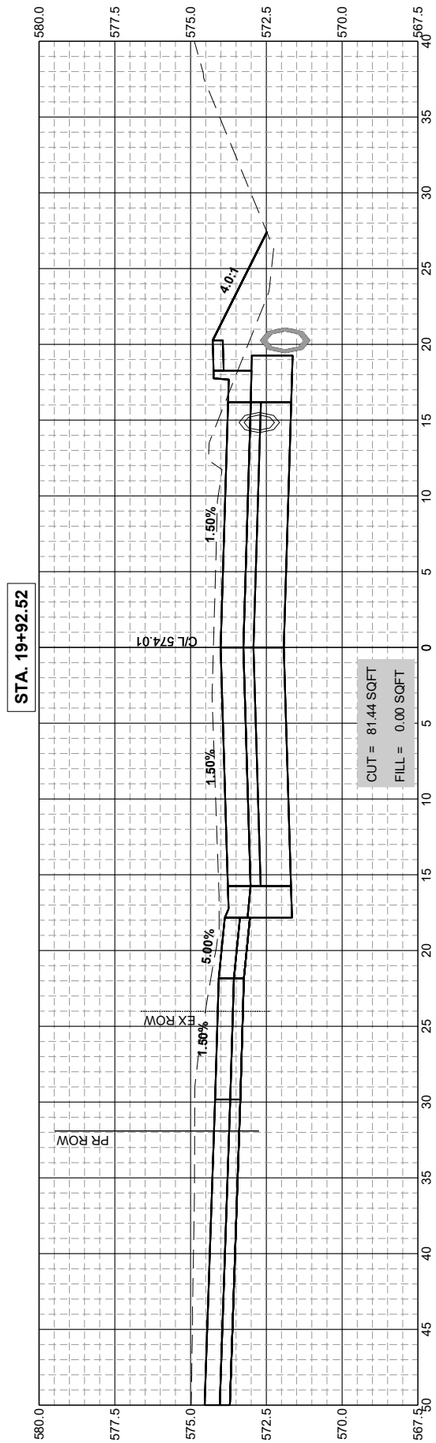
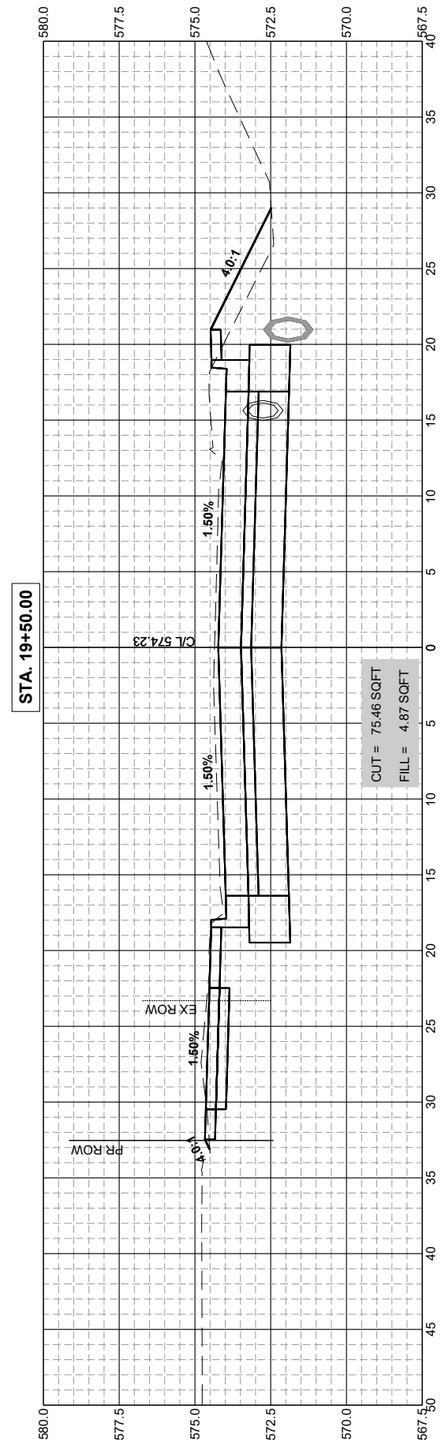
PROJECT #:	5201	

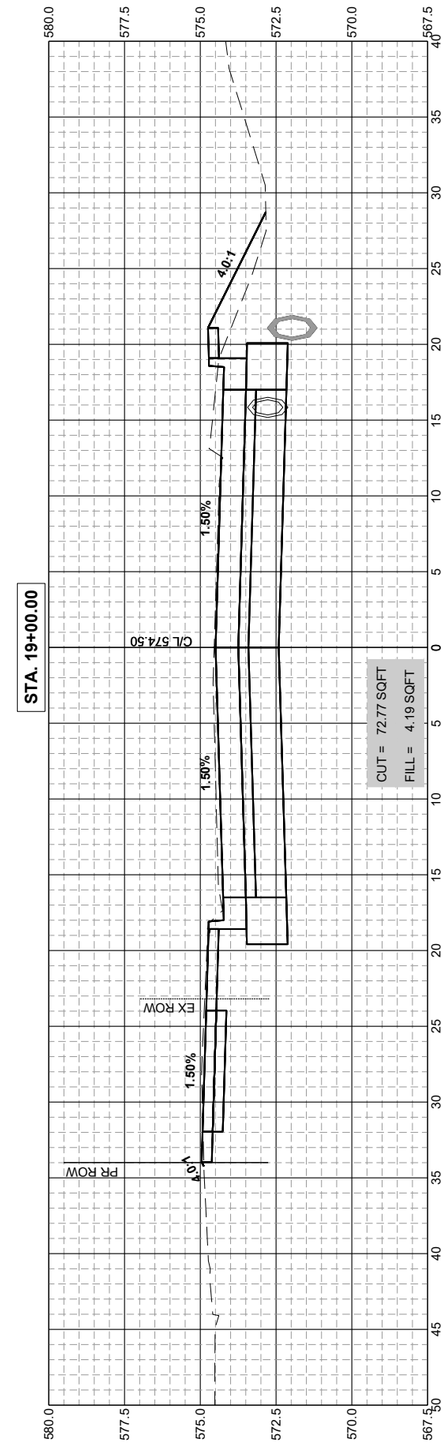
12TH AVENUE RECONSTRUCTION

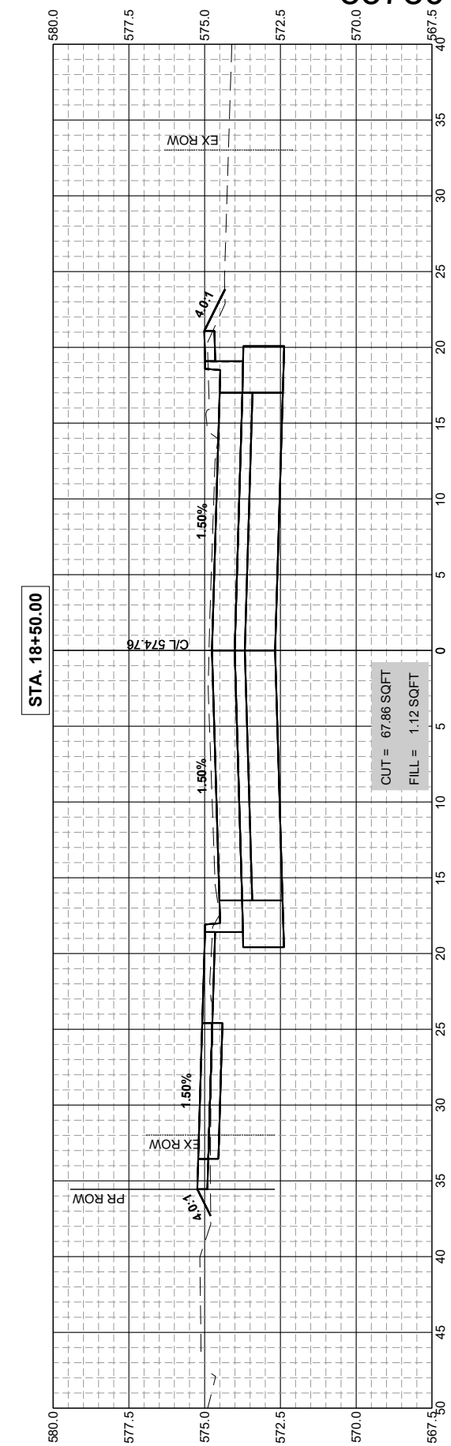
CITY OF EAST MOLINE

CROSS SECTIONS (12TH AVE)









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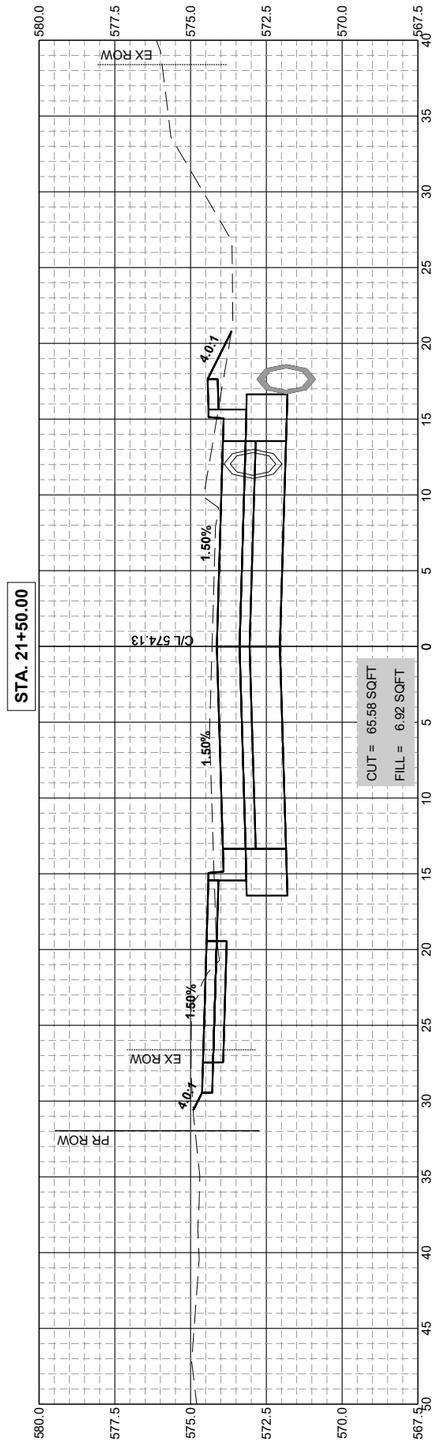
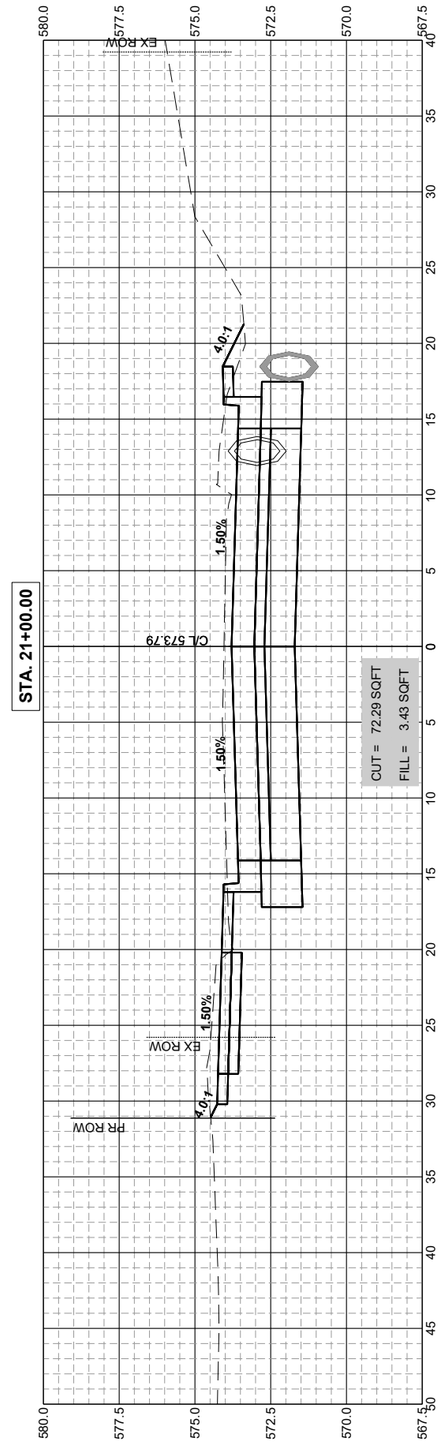
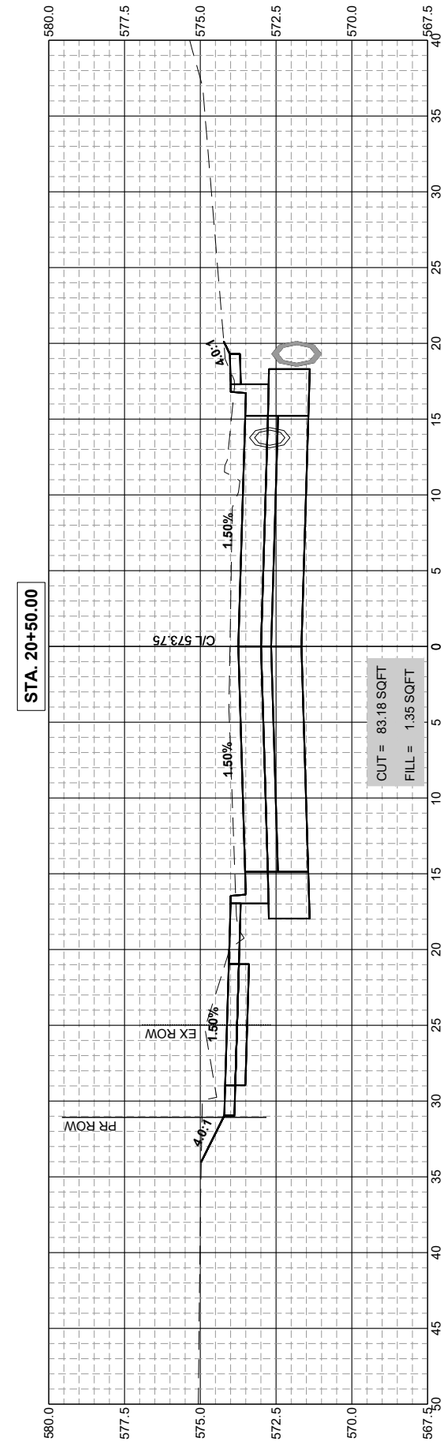
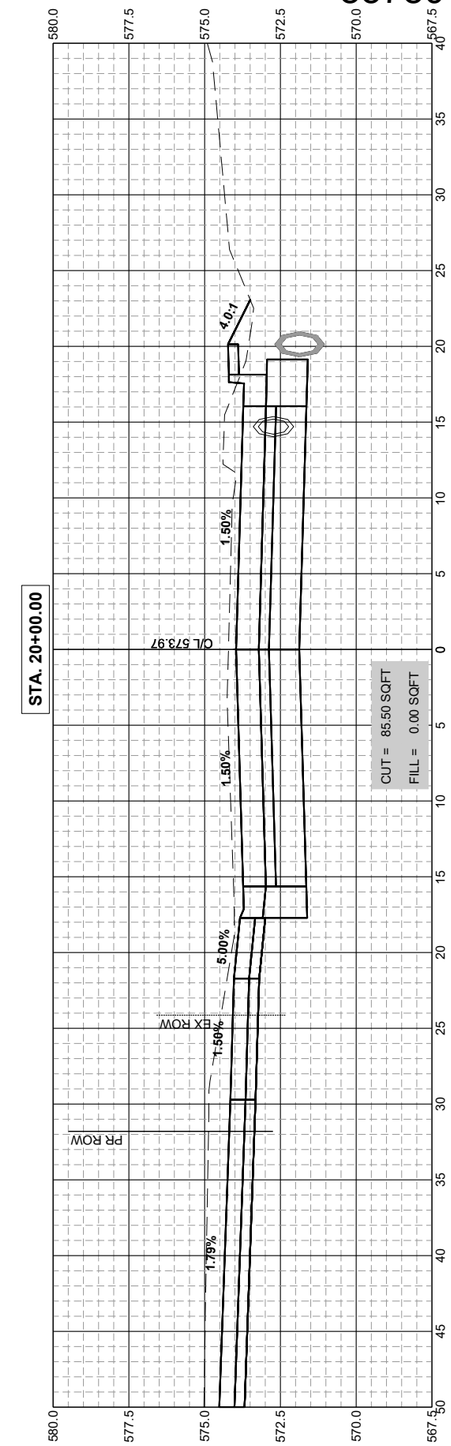
Hutchison Engineering, Inc.	DESIGNED BMP DATE 10-29-25 DRAWN BMP CHECKED DJD PROJECT # 5201	12TH AVENUE RECONSTRUCTION	CITY OF EAST MOLINE

CROSS SECTIONS (12TH AVE)









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Hutchison Engineering, Inc.	DESIGNED BMP	DATE 10-29-25	12TH AVENUE RECONSTRUCTION	CITY OF EAST MOLINE	CROSS SECTIONS (12TH AVE)
	DRAWN BMP				
	CHECKED DJD				
	PROJECT #: 5201				

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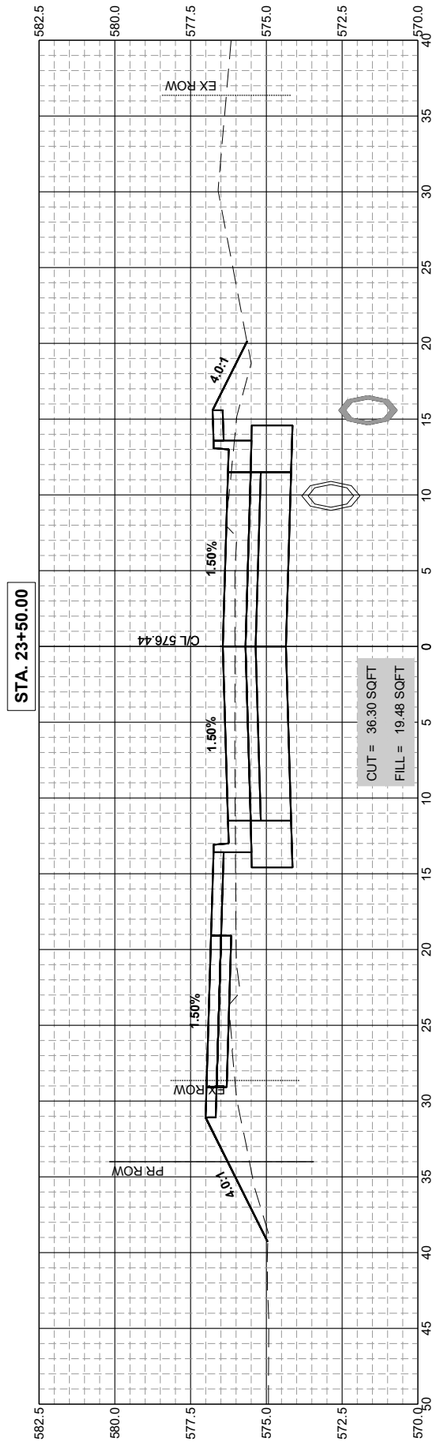
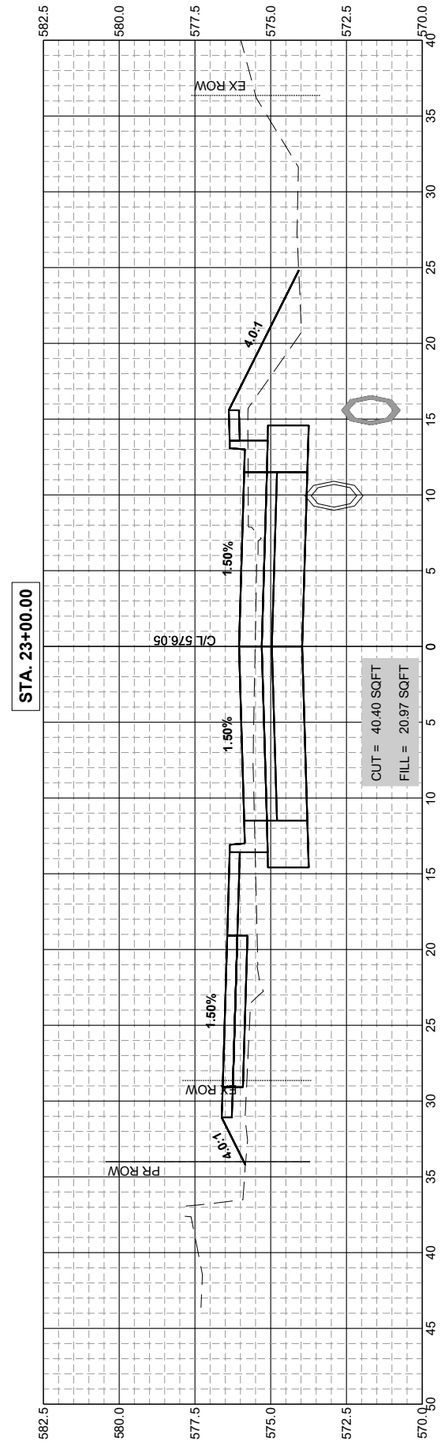
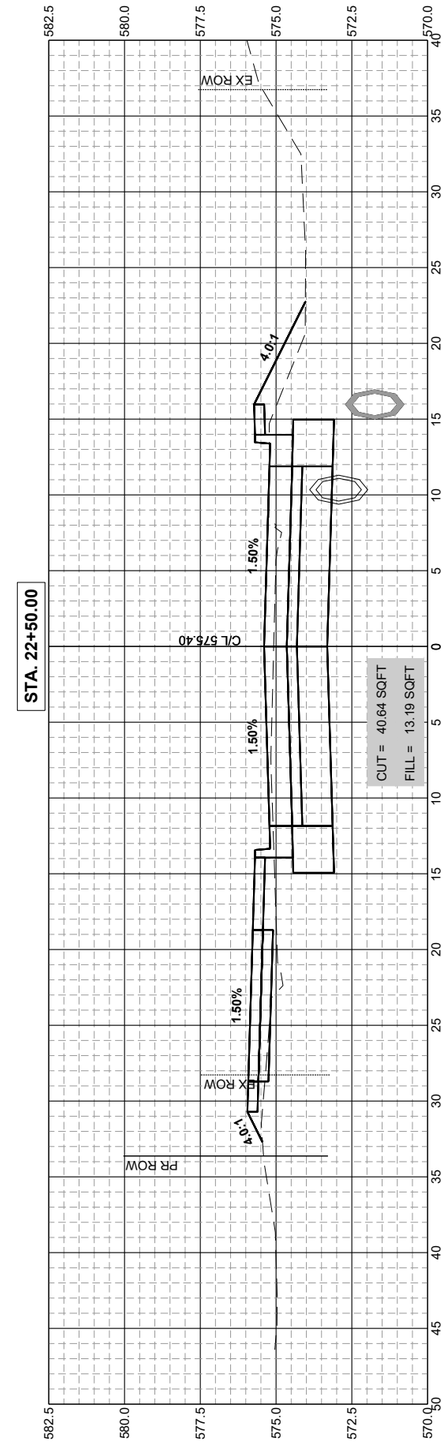
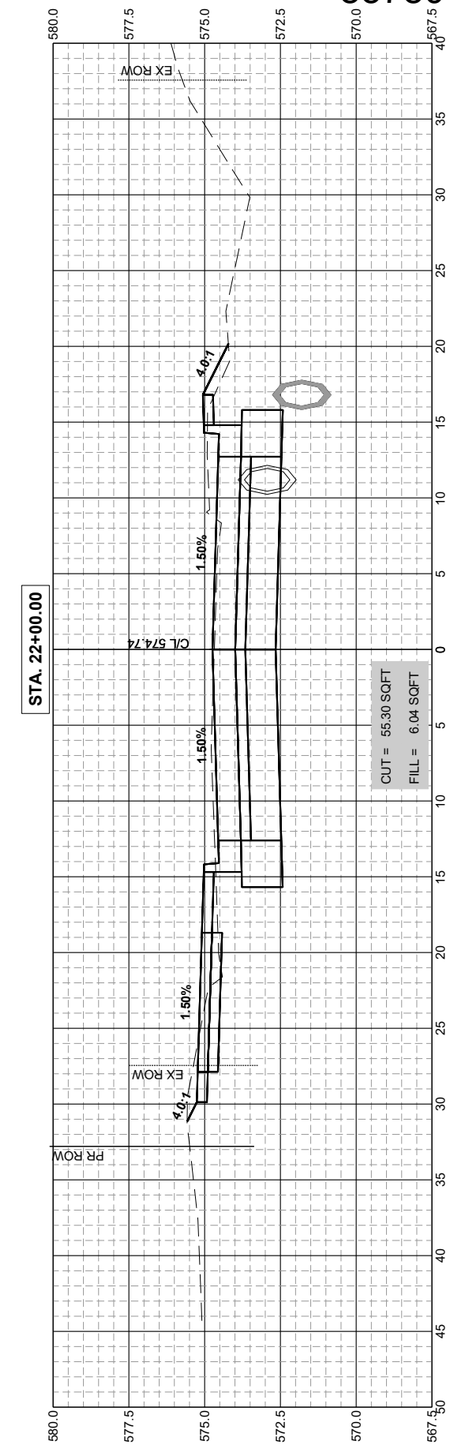
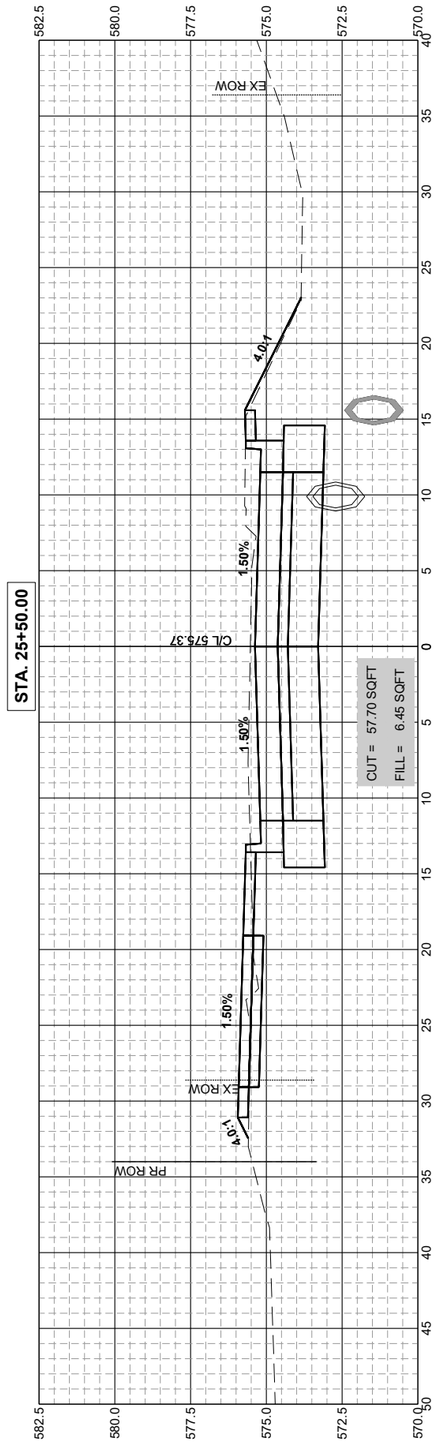


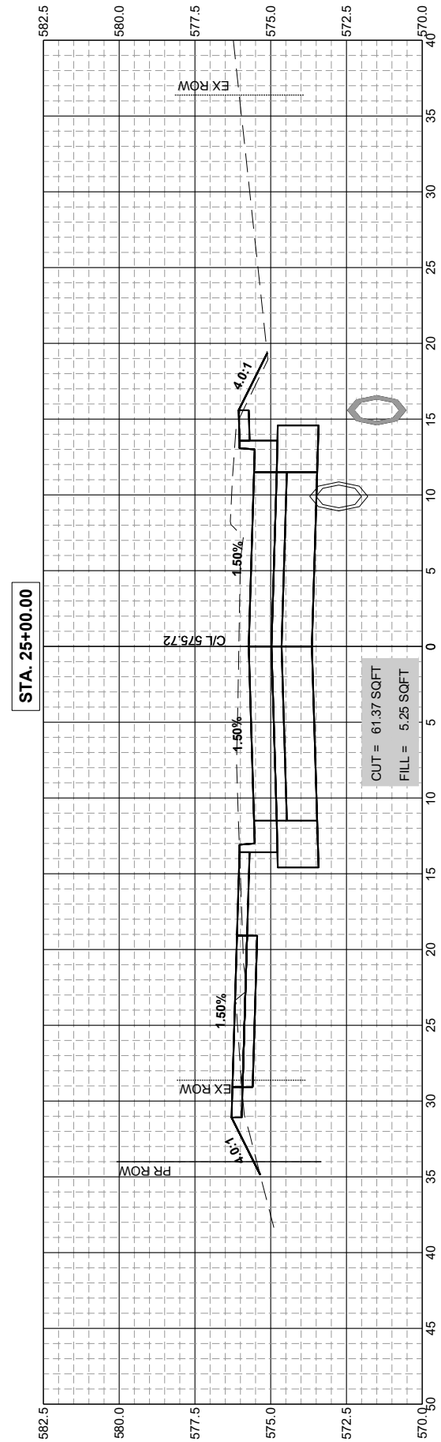


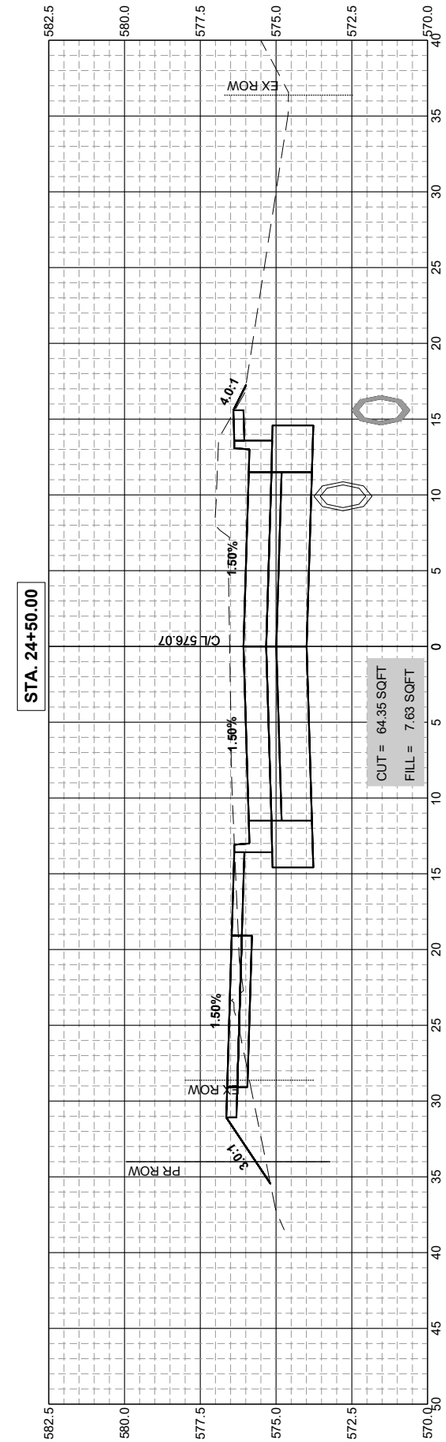


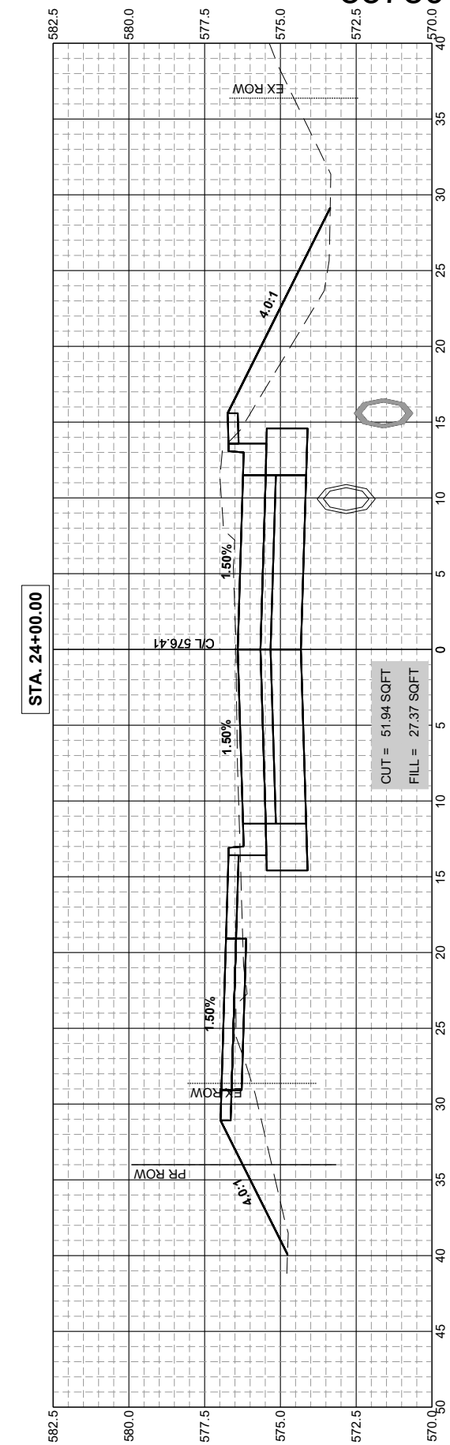


Hutchison Engineering, Inc.	DESIGNED BMP DATE 10-29-25 DRAWN BMP CHECKED DJD PROJECT #: 5201	12TH AVENUE RECONSTRUCTION	CITY OF EAST MOLINE	CROSS SECTIONS (12TH AVE)	SHEET 187 OF 214









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Hutchison Engineering, Inc.

DESIGNED	BMP	DATE: 10-29-25
DRAWN	BMP	
CHECKED	DJD	
PROJECT #:	5201	

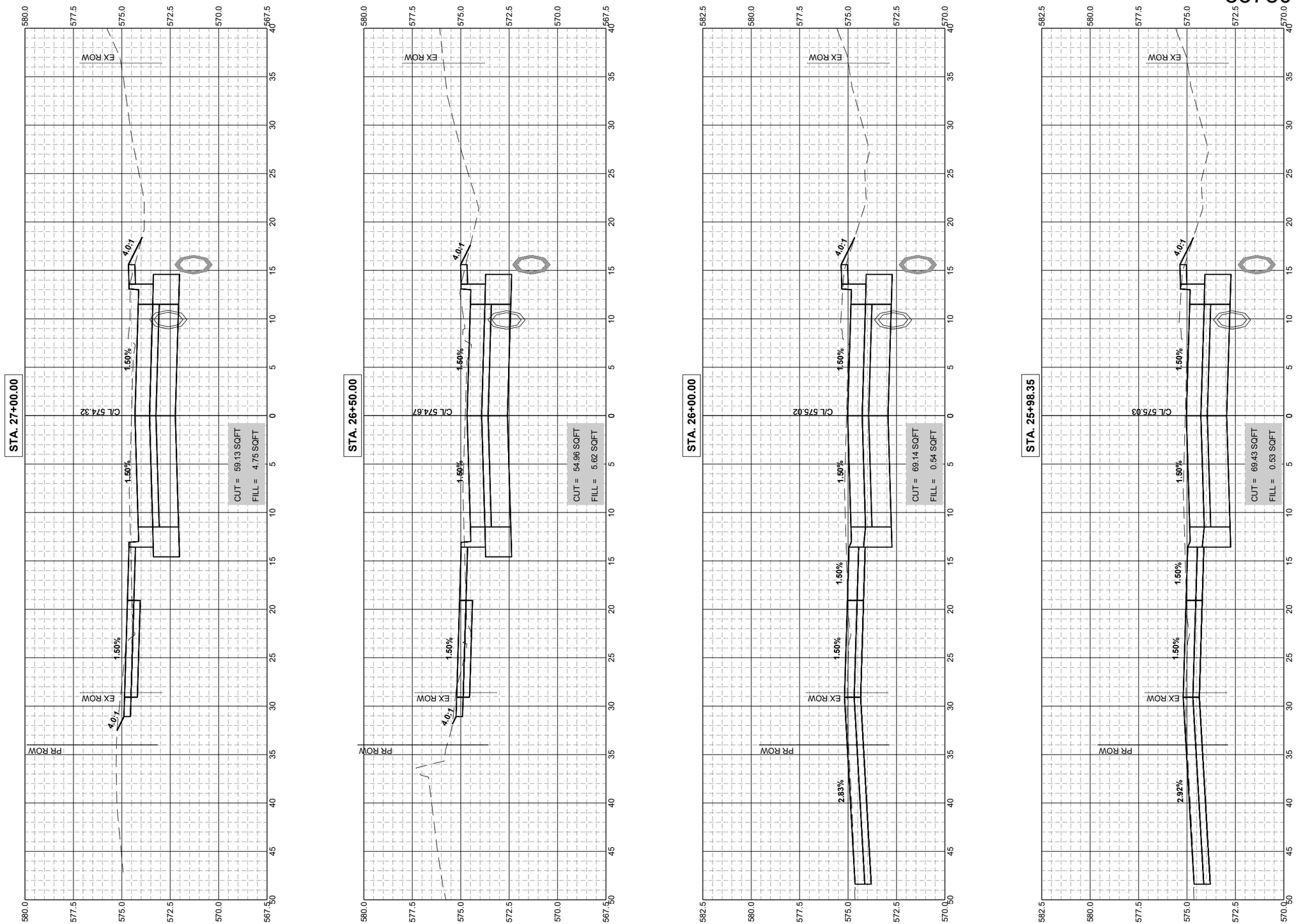
12TH AVENUE RECONSTRUCTION

CITY OF EAST MOLINE

CROSS SECTIONS (12TH AVE)

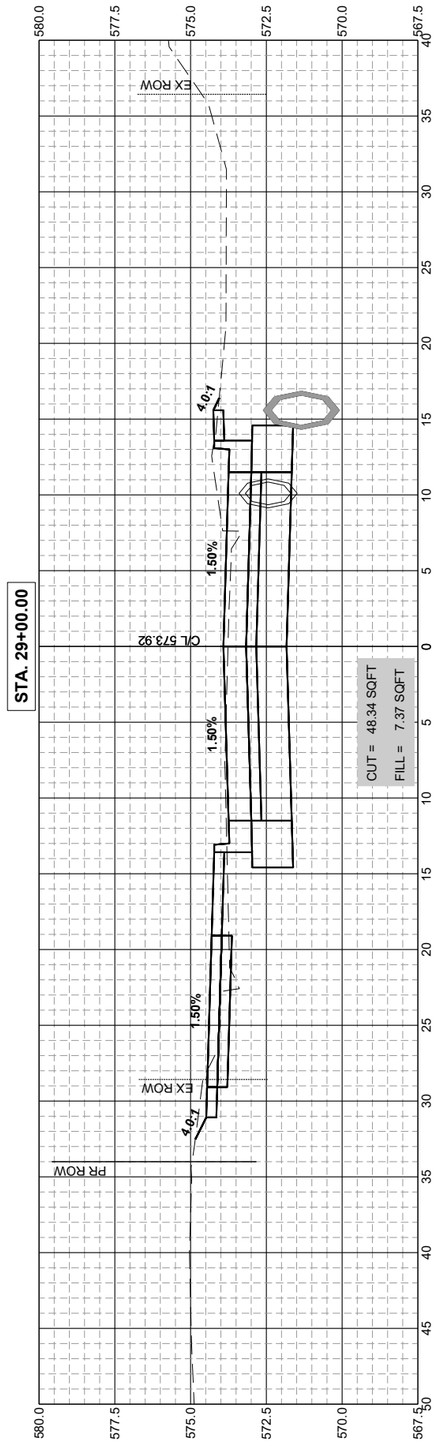
85780

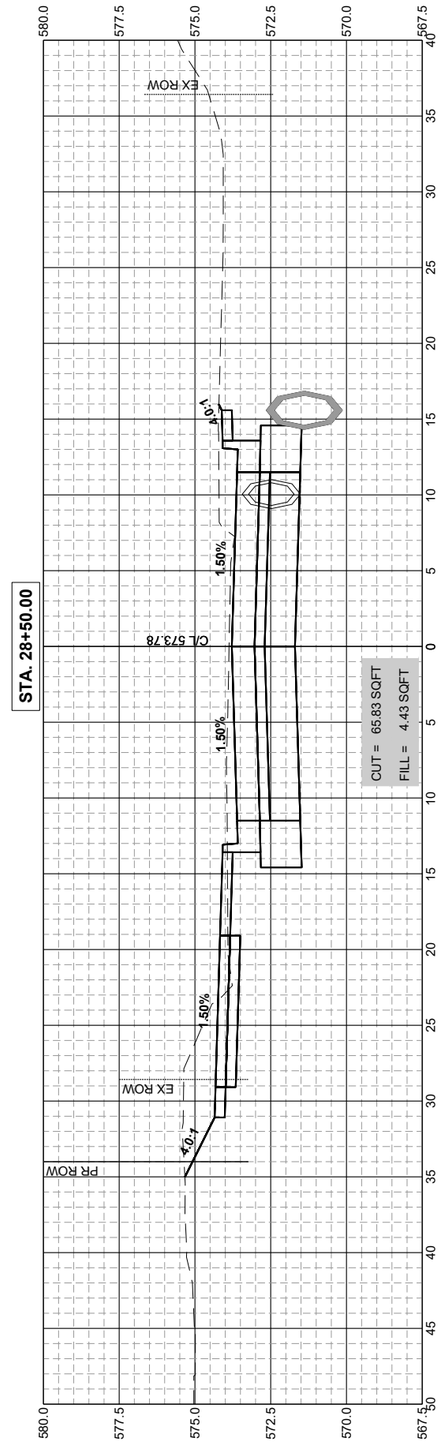
Z:\5201 - Downtown Reconstruction - PH I-II (CMT - East Moline)\Design_CADD\CADD Drawings\5201 - Corridor.dwg

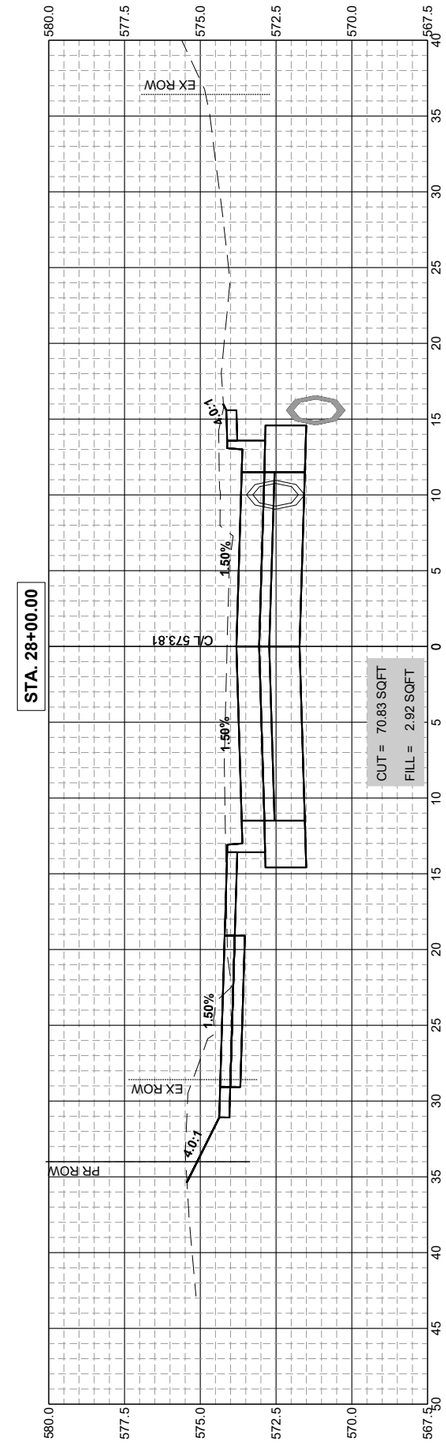


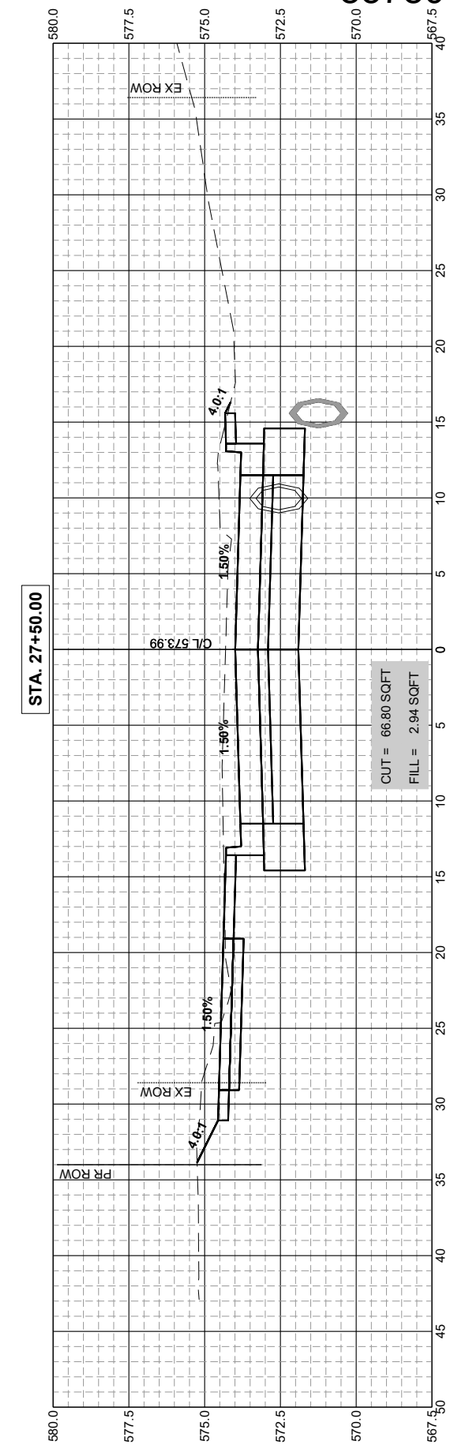
Hutchison Engineering, Inc.	DESIGNED BMP DATE 10-29-25 DRAWN BMP CHECKED DJD PROJECT #: 5201	12TH AVENUE RECONSTRUCTION	CITY OF EAST MOLINE

CROSS SECTIONS (12TH AVE)









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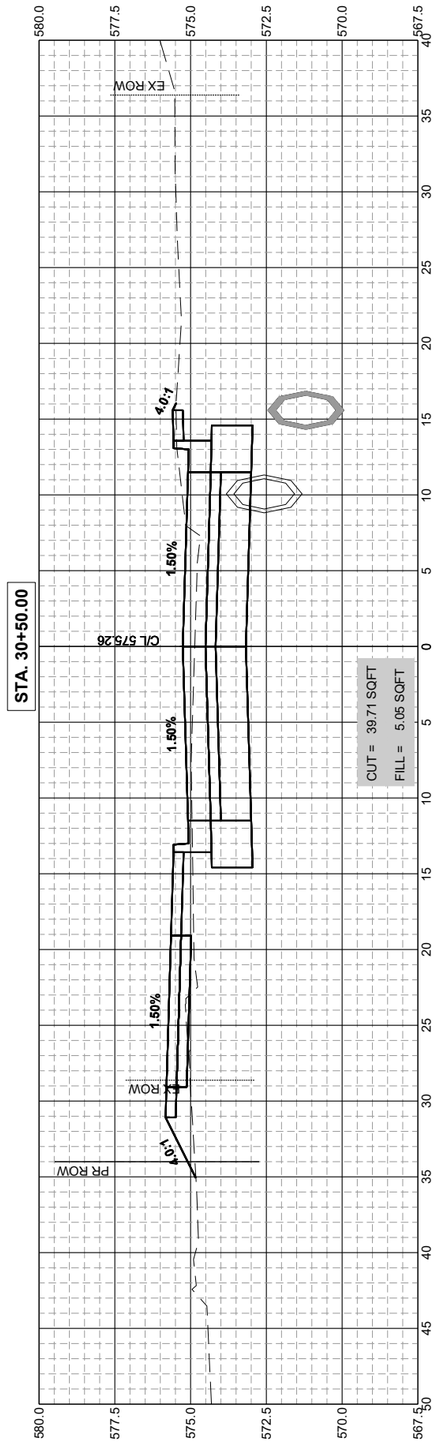
Hutchison Engineering, Inc.

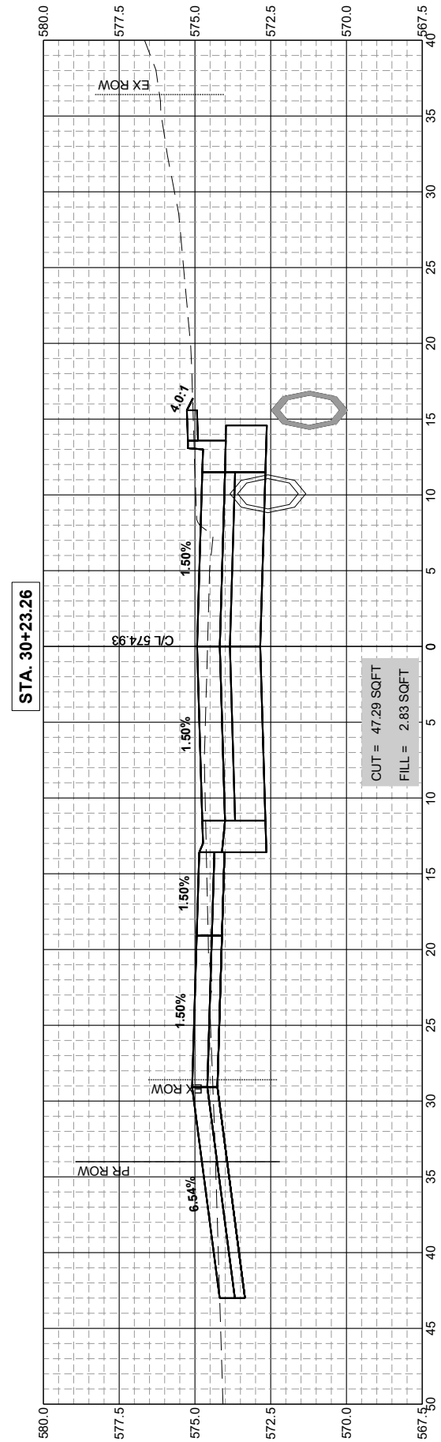
DESIGNED	BMP	DATE: 10-29-25
DRAWN	BMP	
CHECKED	DJD	
PROJECT #:	5201	

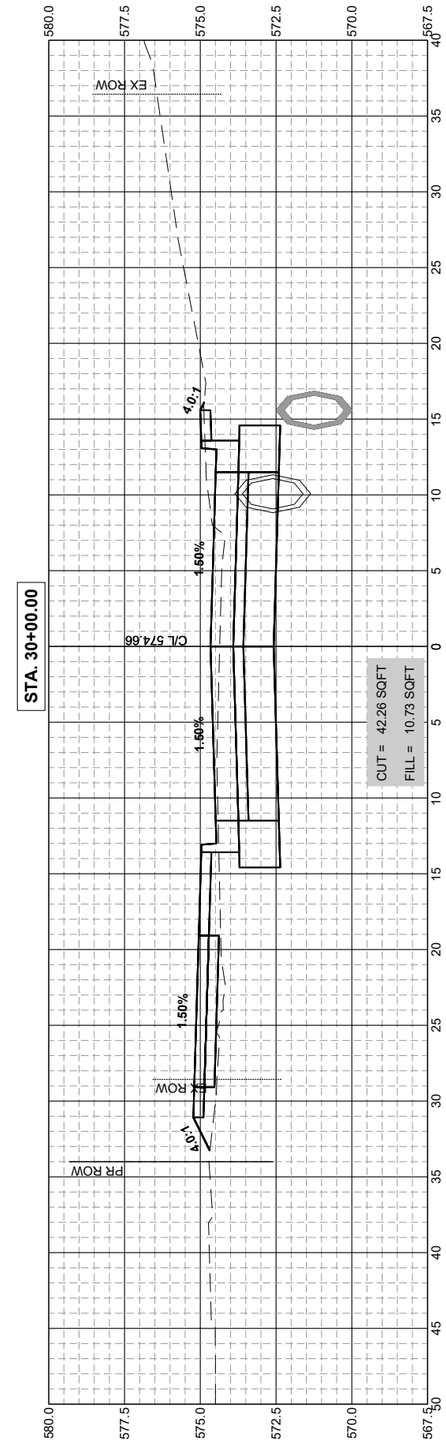
12TH AVENUE RECONSTRUCTION

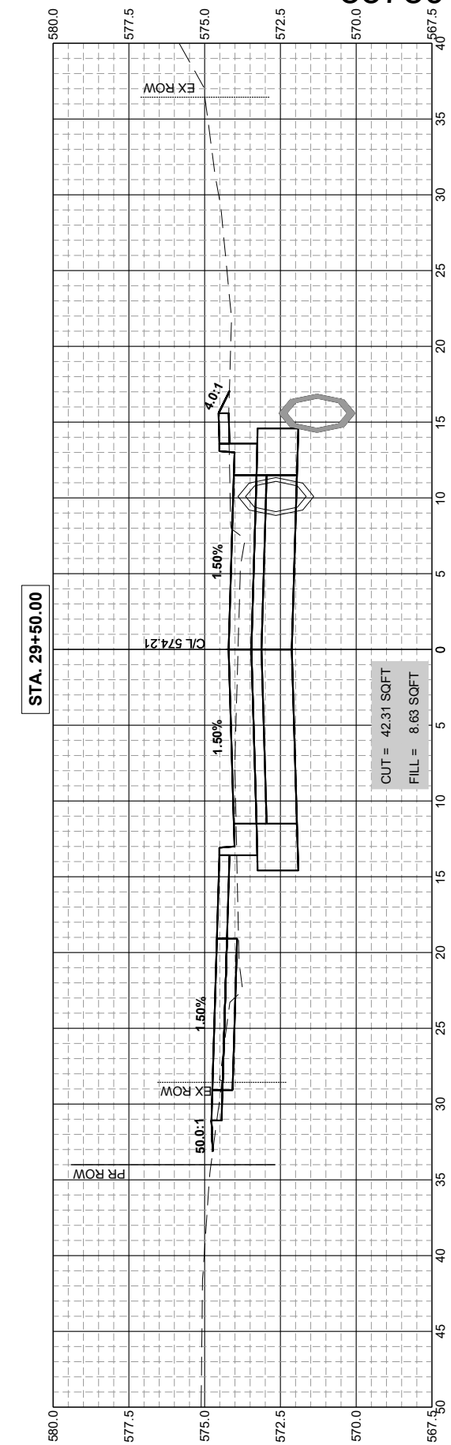
CITY OF EAST MOLINE

CROSS SECTIONS (12TH AVE)









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Hutchison Engineering, Inc.

DESIGNED	BMP	DATE: 10-29-25
DRAWN	BMP	
CHECKED	DJD	
PROJECT #:	5201	

12TH AVENUE RECONSTRUCTION

CITY OF EAST MOLINE

CROSS SECTIONS (12TH AVE)

Hutchison Engineering, Inc.

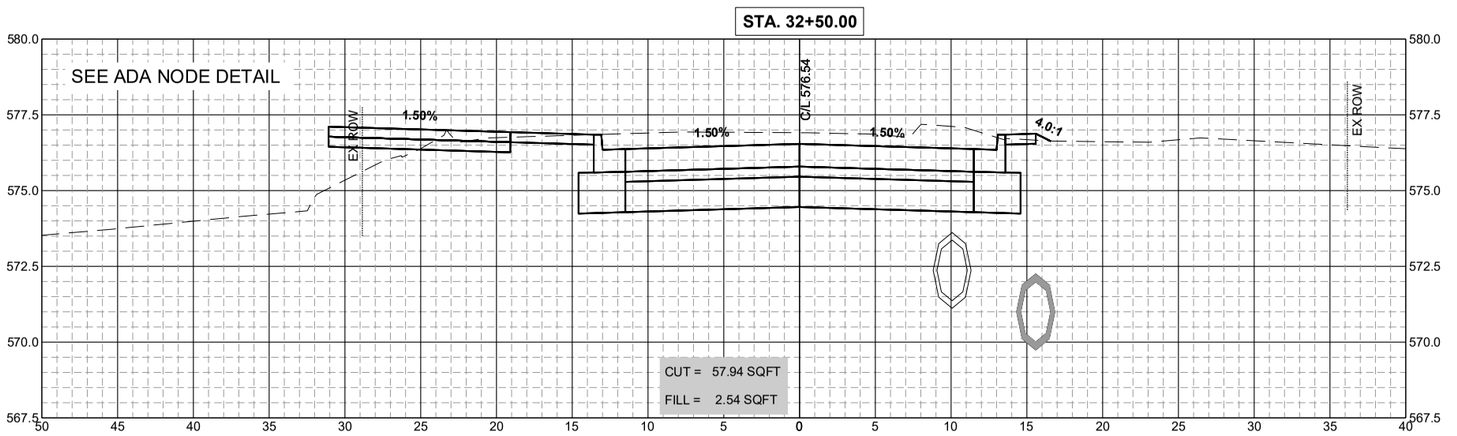
DESIGNED	BMP
DRAWN	BMP
CHECKED	DJD
PROJECT #	5201
DATE	10-29-25

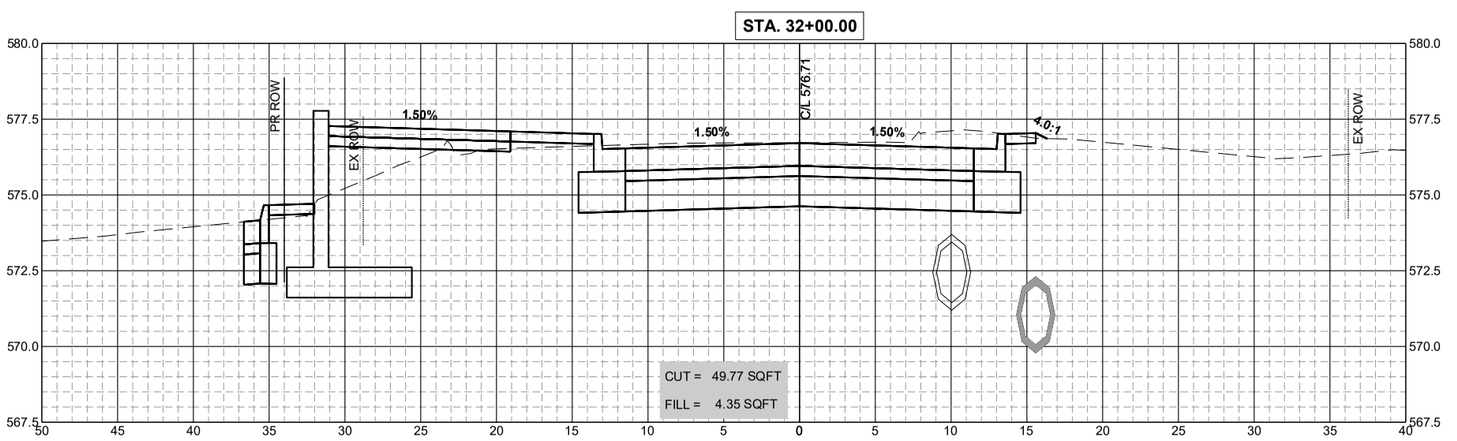
12TH AVENUE RECONSTRUCTION

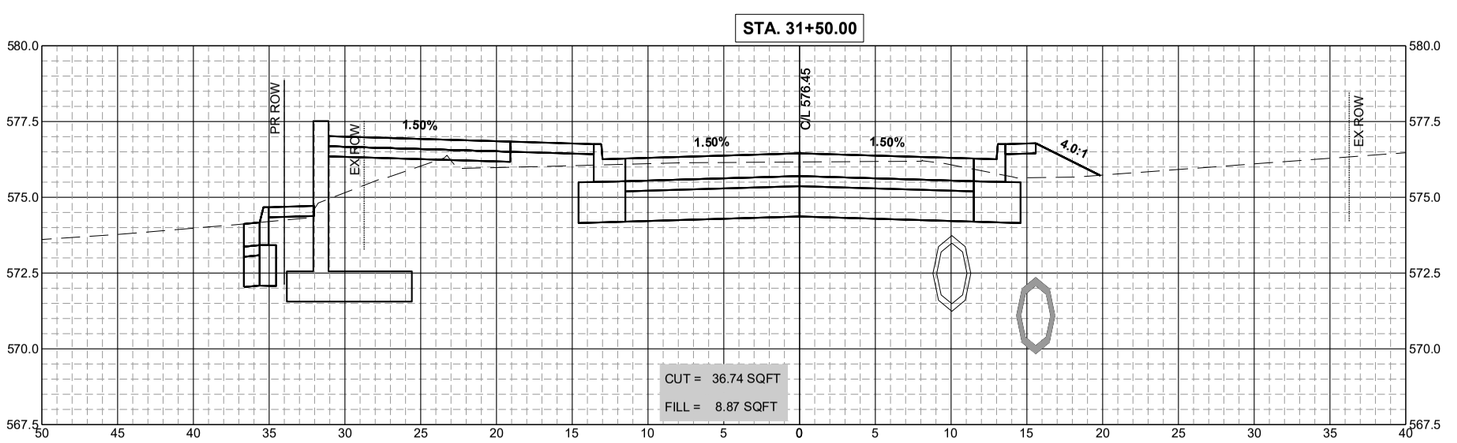
CITY OF EAST MOLINE

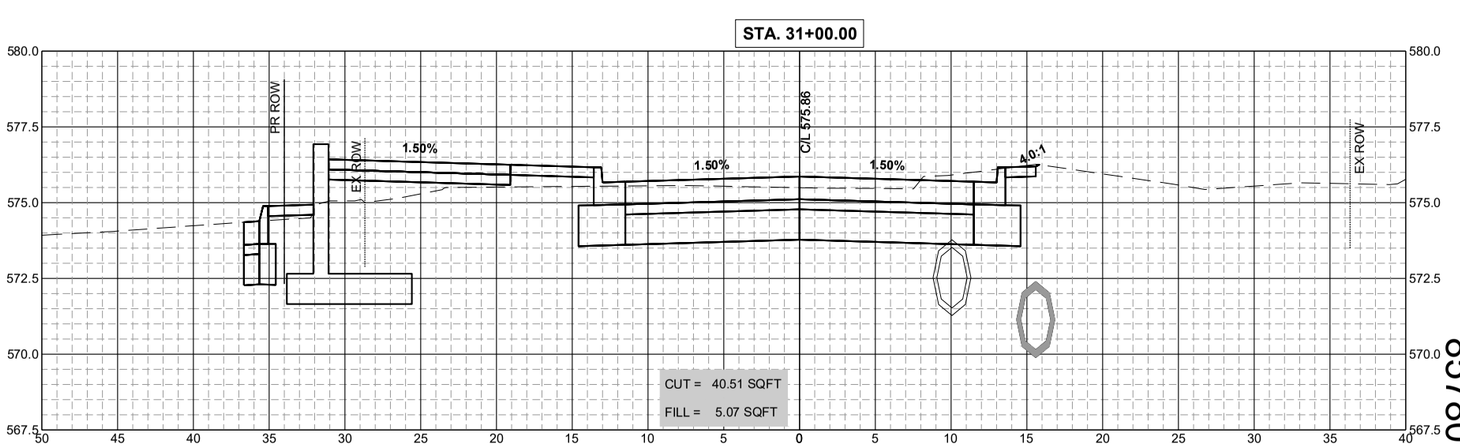
CROSS SECTIONS (12TH AVE)

RETAINING WALL NOT DRAWN TO SCALE.
SEE RETAINING WALL DETAIL SHEETS
FOR ELEVATION INFORMATION.









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Hutchison Engineering, Inc.

DESIGNED	BMP
DRAWN	BMP
CHECKED	DJD
PROJECT #	5201
DATE	10-29-25

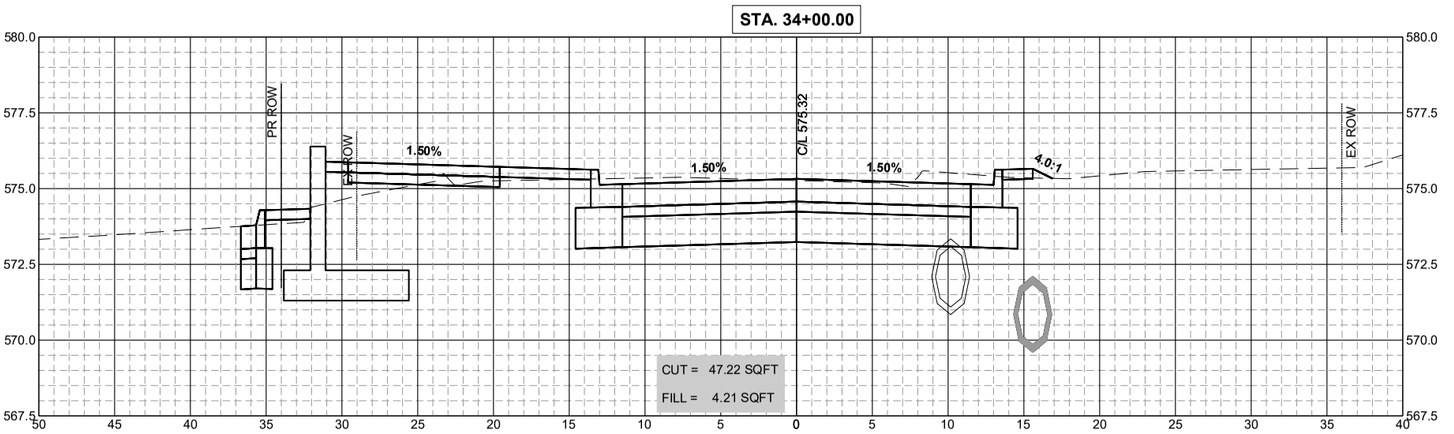
12TH AVENUE RECONSTRUCTION

CITY OF EAST MOLINE

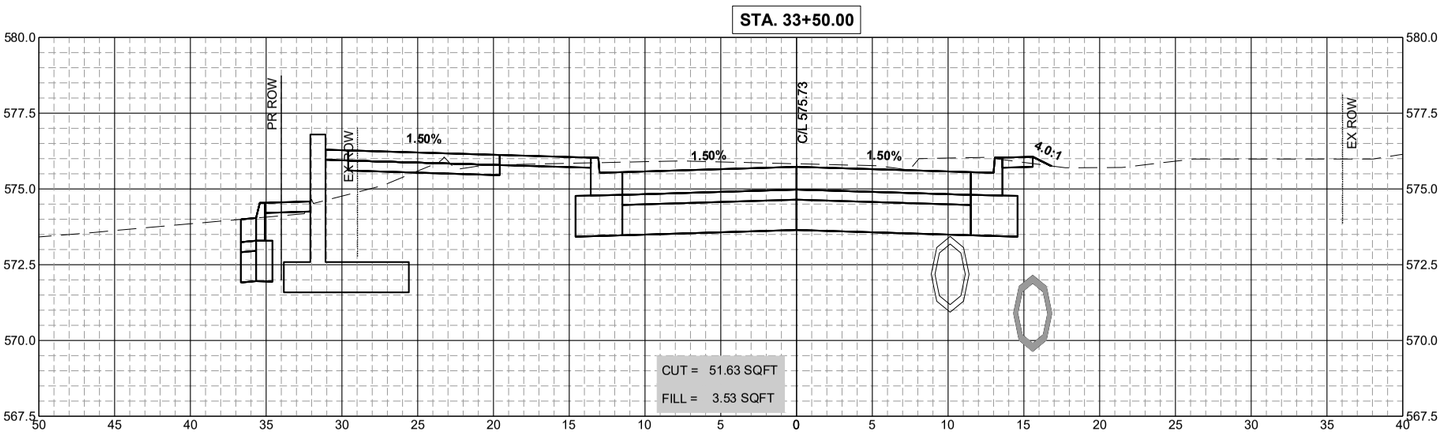
CROSS SECTIONS (12TH AVE)

RETAINING WALL NOT DRAWN TO SCALE.
SEE RETAINING WALL DETAIL SHEETS
FOR ELEVATION INFORMATION.

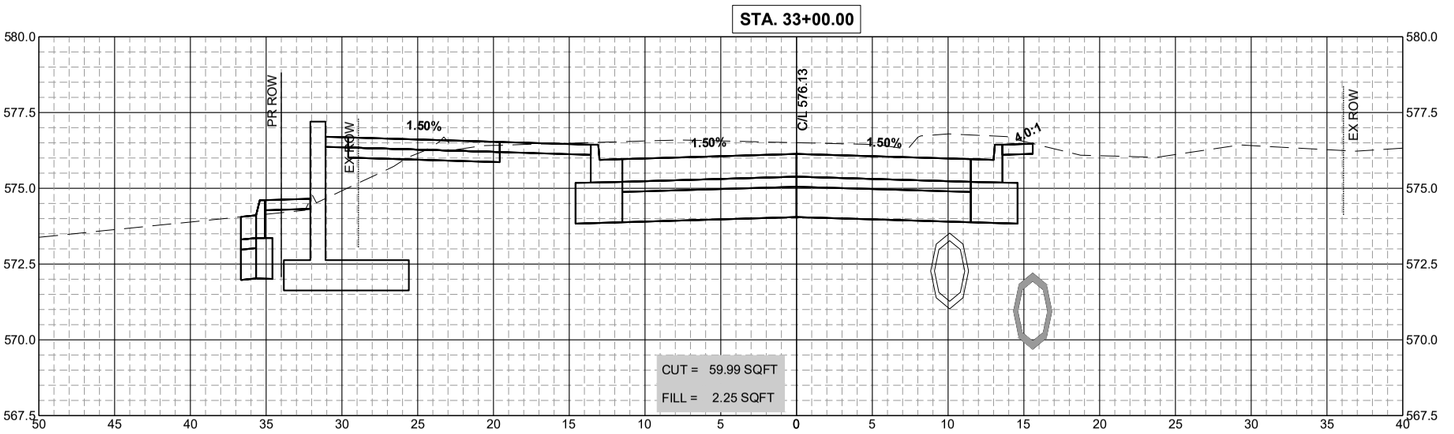
STA. 34+00.00



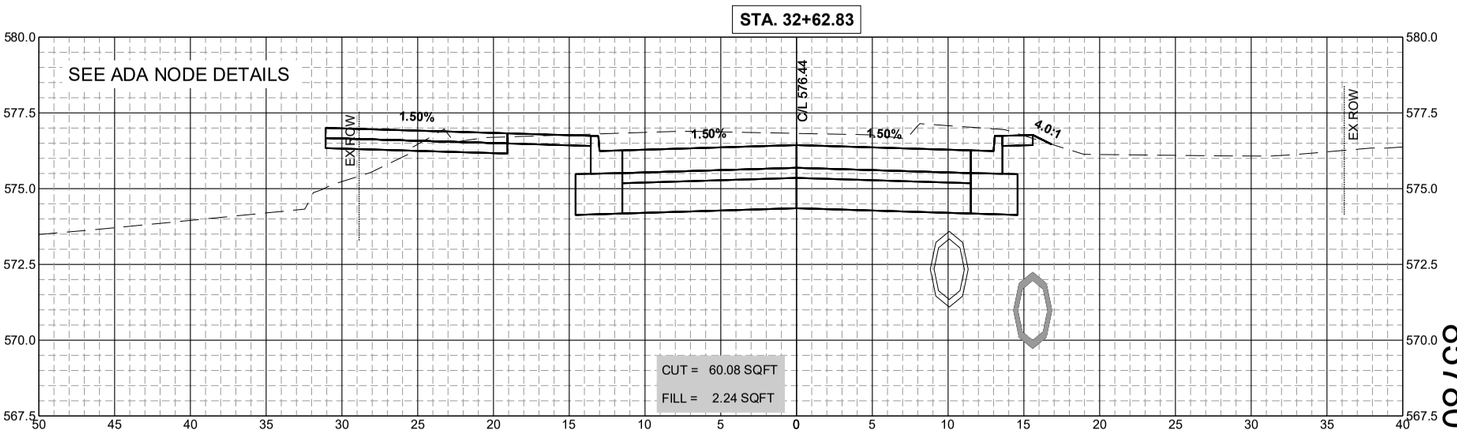
STA. 33+50.00



STA. 33+00.00



STA. 32+62.83



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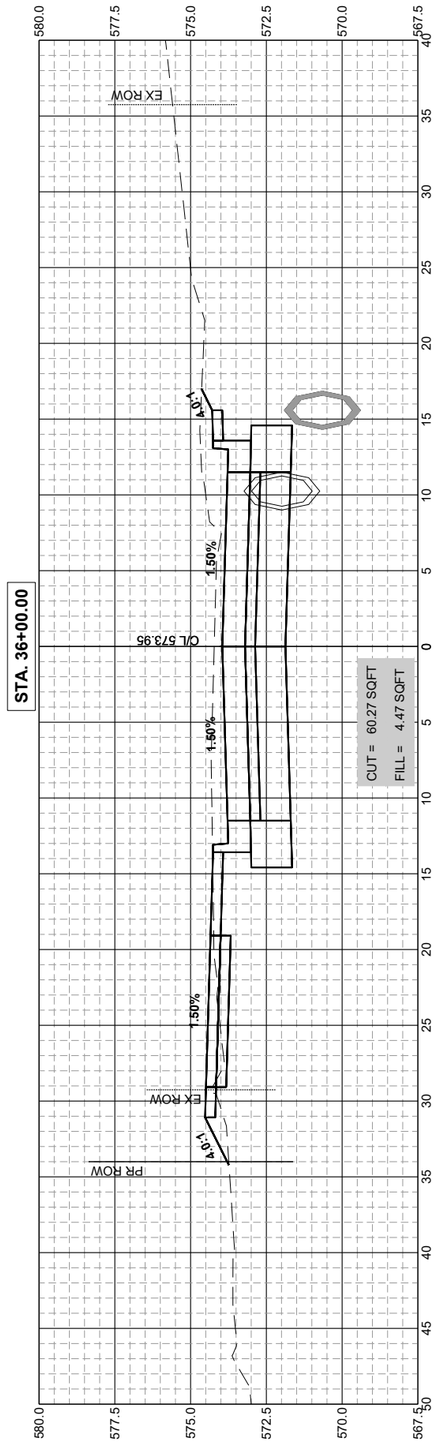
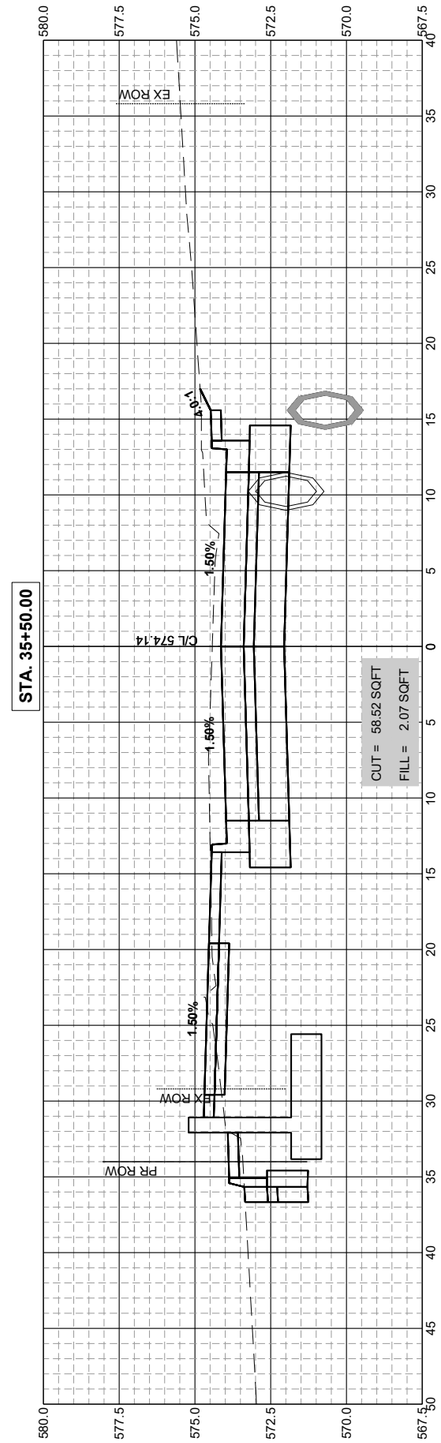
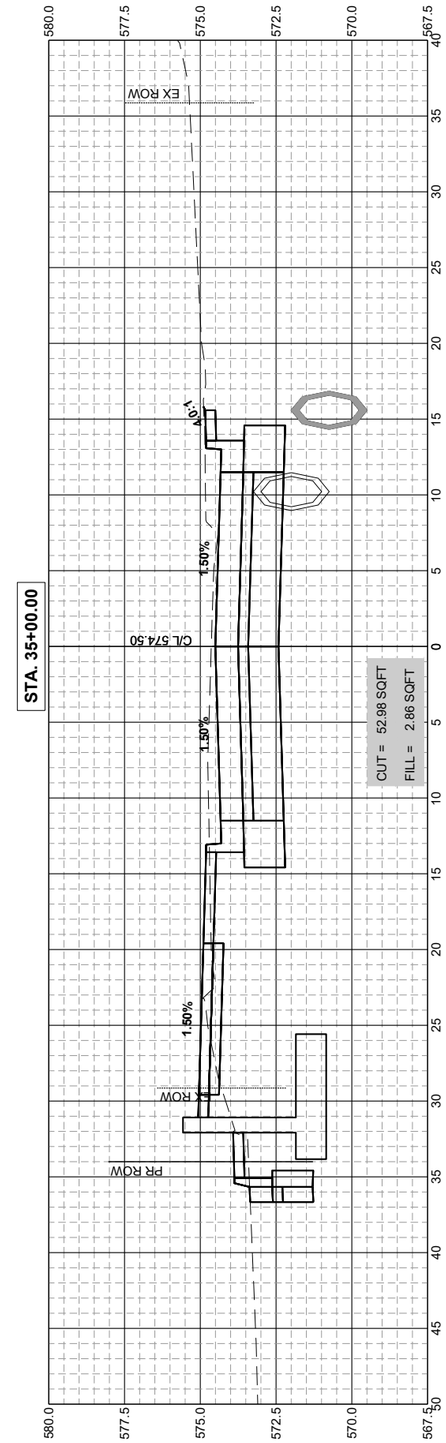
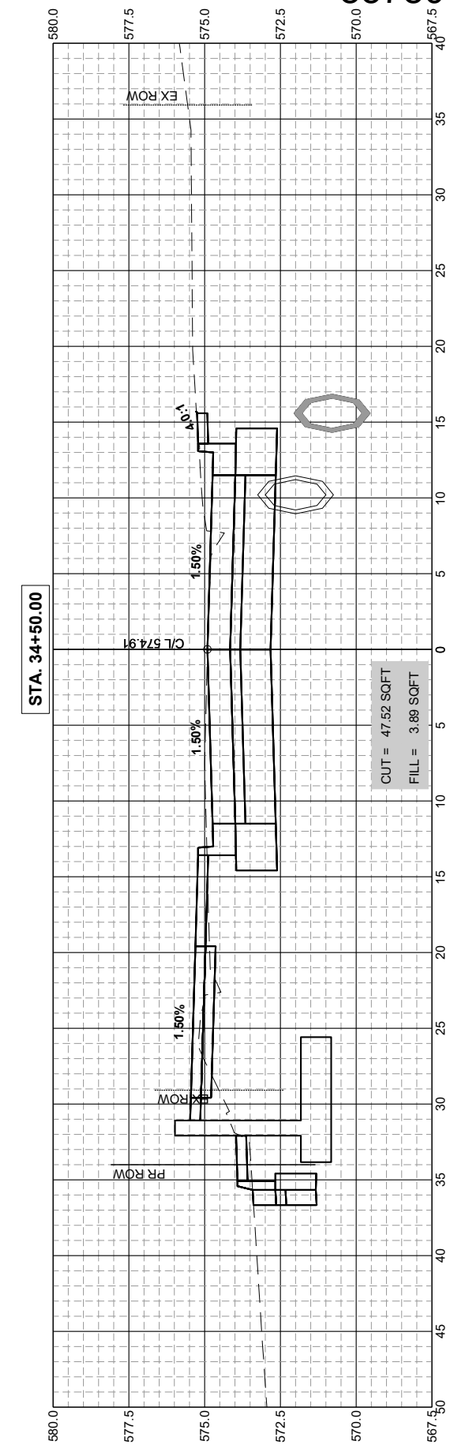
RETAINING WALL NOT DRAWN TO SCALE.
SEE RETAINING WALL DETAIL SHEETS
FOR ELEVATION INFORMATION.

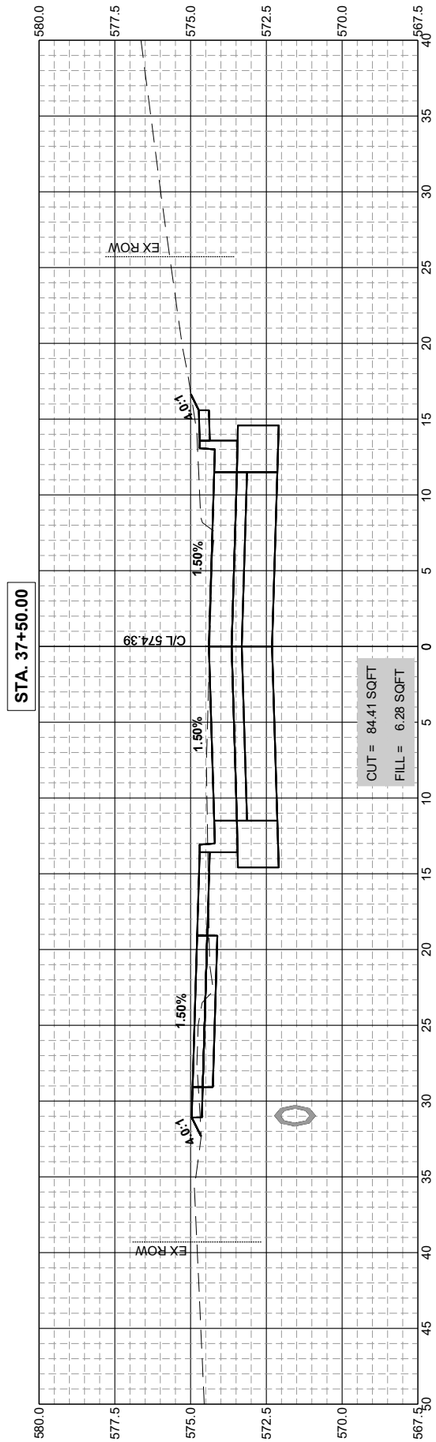


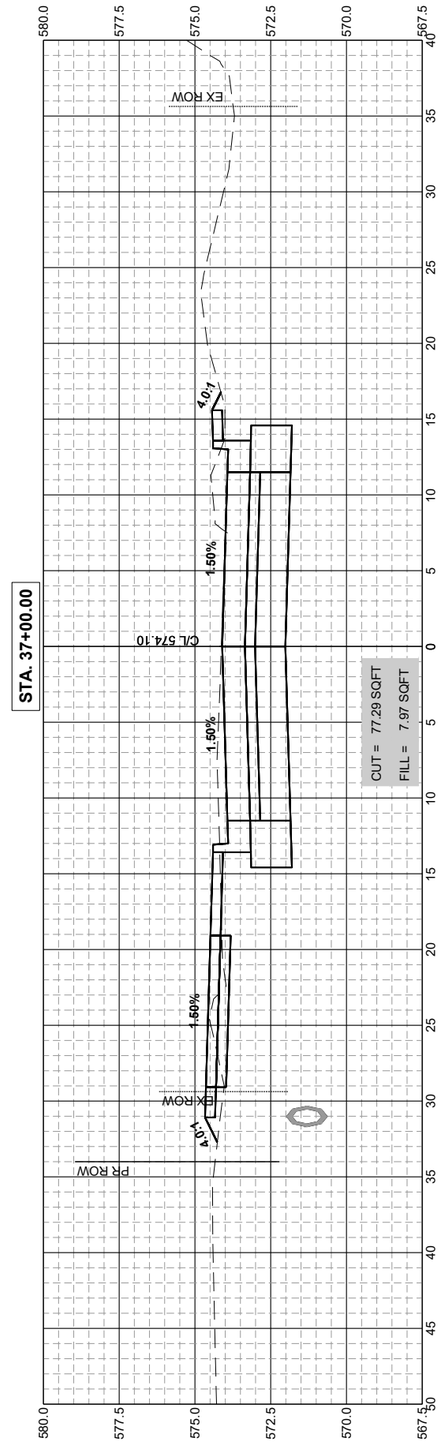


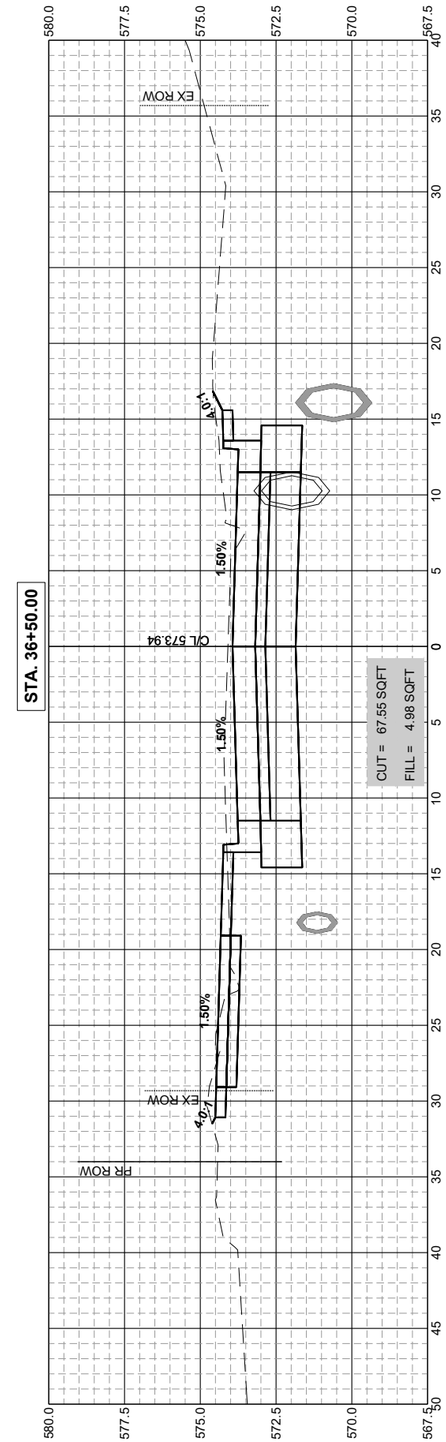


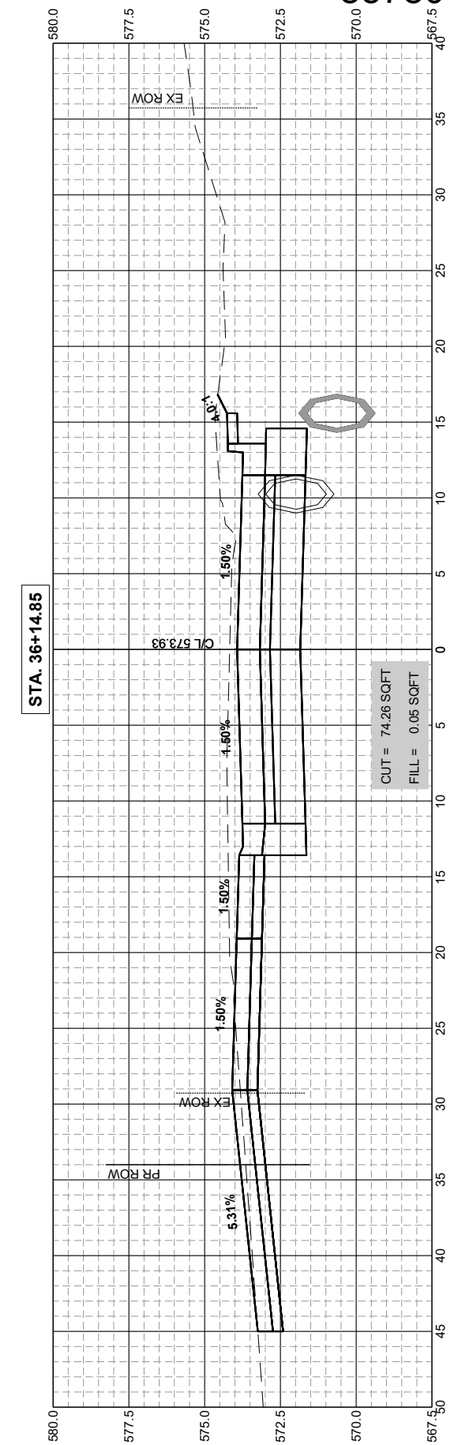


Hutchison Engineering, Inc.	DESIGNED BMP DATE 10-29-25 DRAWN BMP CHECKED DJD PROJECT #: 5201	12TH AVENUE RECONSTRUCTION	CITY OF EAST MOLINE	CROSS SECTIONS (12TH AVE)	SHEET 194 OF 214





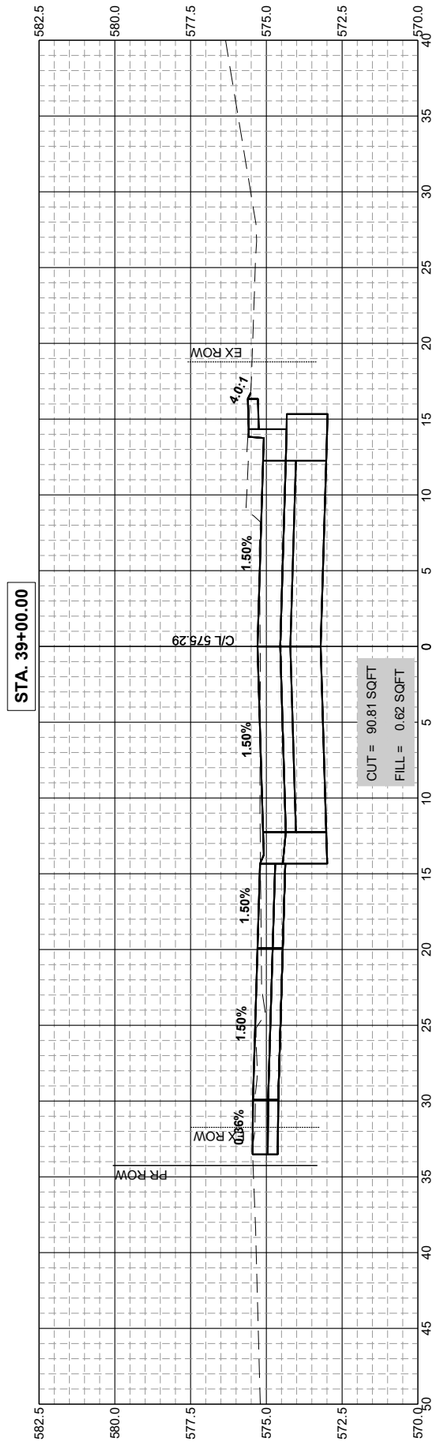


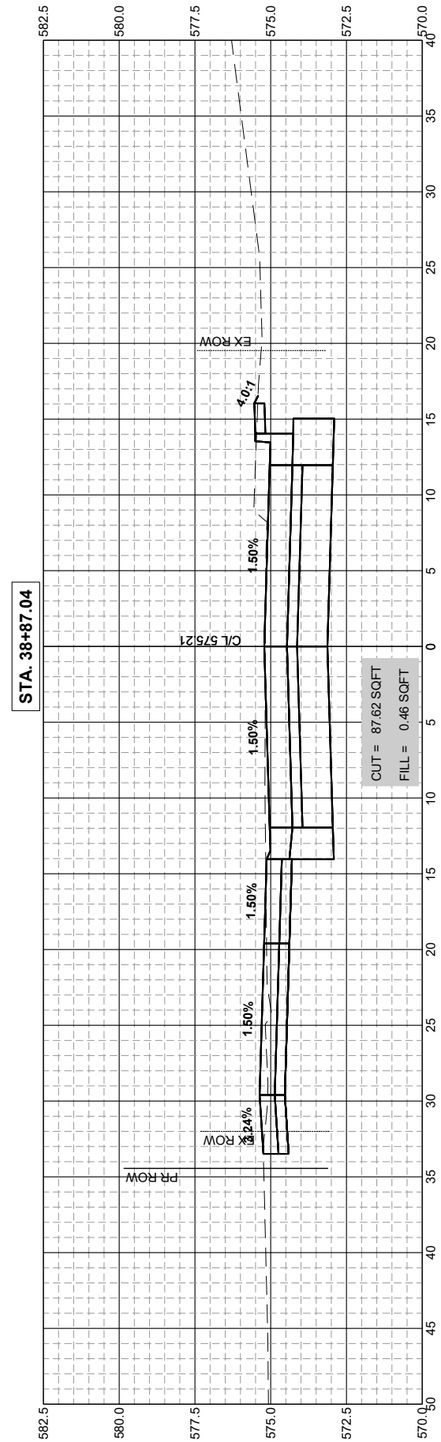


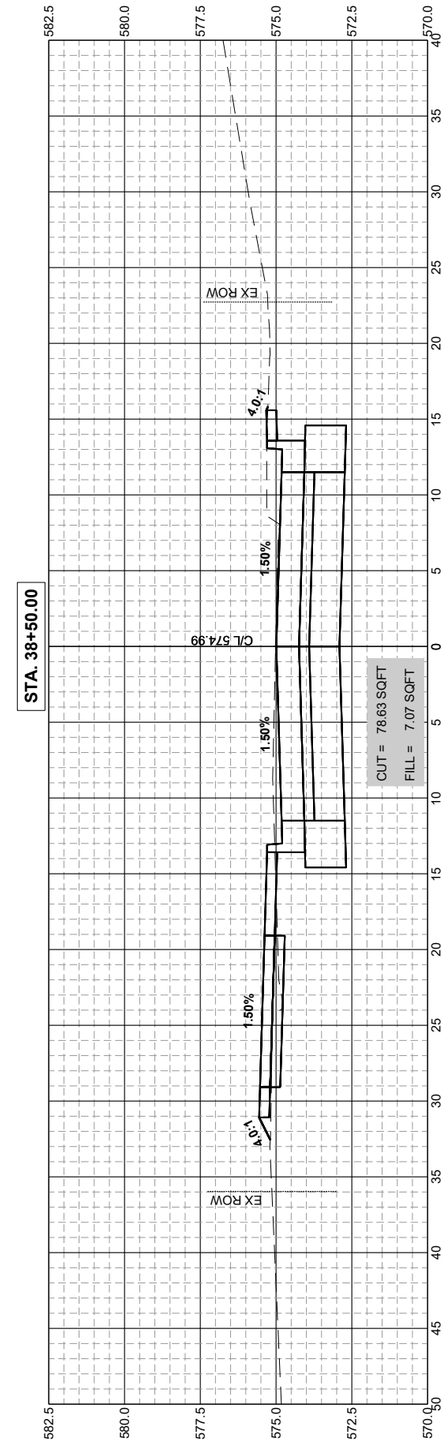
Z:\5201 - Downtown Reconstruction - PH I-II (CMT - East Moline)\Design_CADD\CADD Drawings\5201 - Corridor.dwg

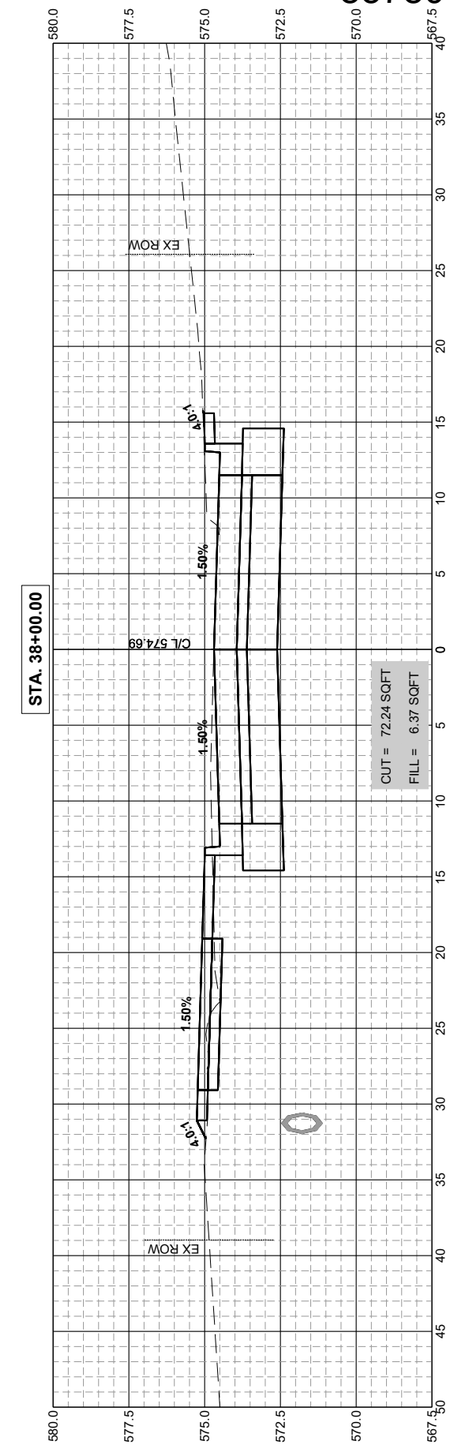
Hutchison Engineering, Inc.	DESIGNED BMP DATE 10-29-25 DRAWN BMP CHECKED DJD PROJECT # 5201	12TH AVENUE RECONSTRUCTION	CITY OF EAST MOLINE	CROSS SECTIONS (12TH AVE)	SHEET 195 OF 214

Z:\5201 - Downtown Reconstruction - PH I-II (CMT - East Moline)\Design_CADD\CADD Drawings\5201 - Corridor.dwg



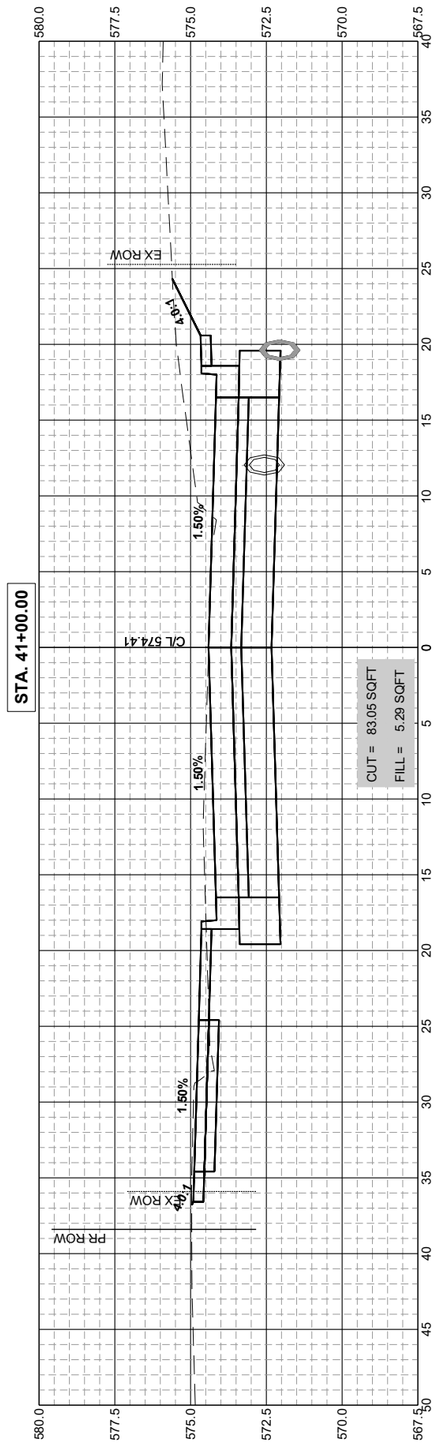


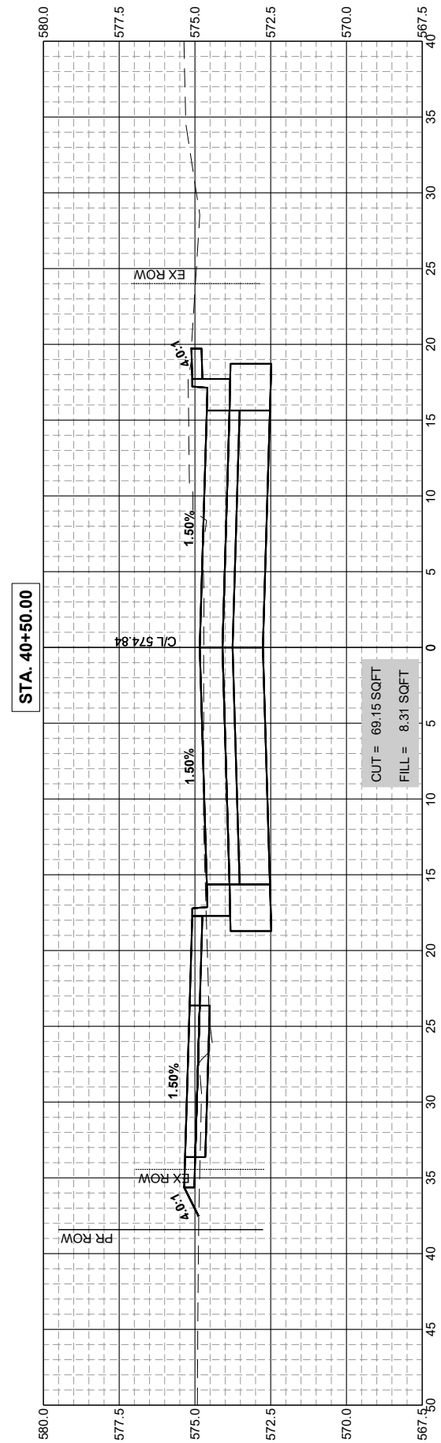


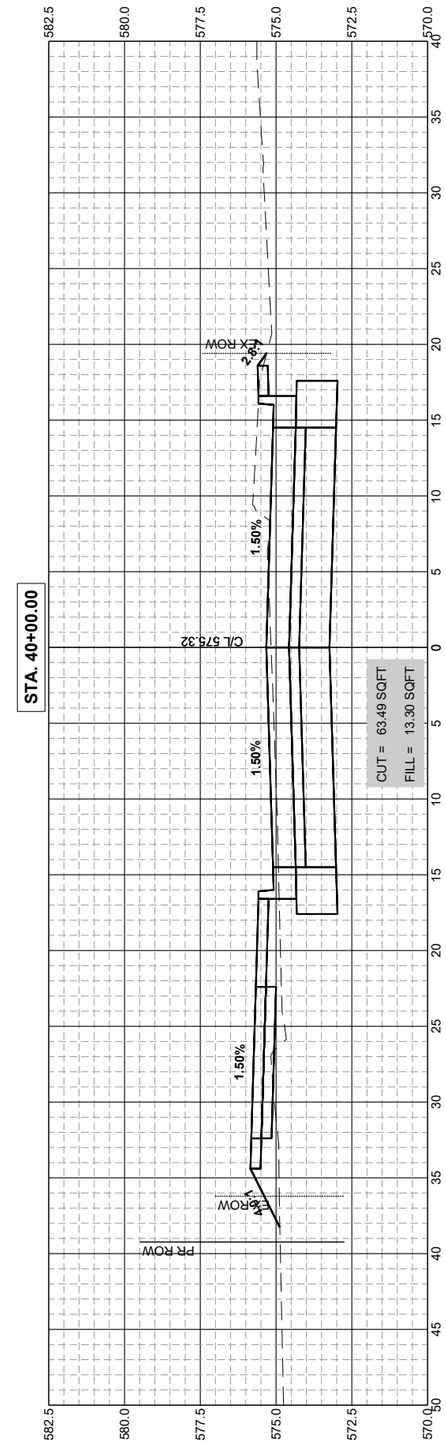


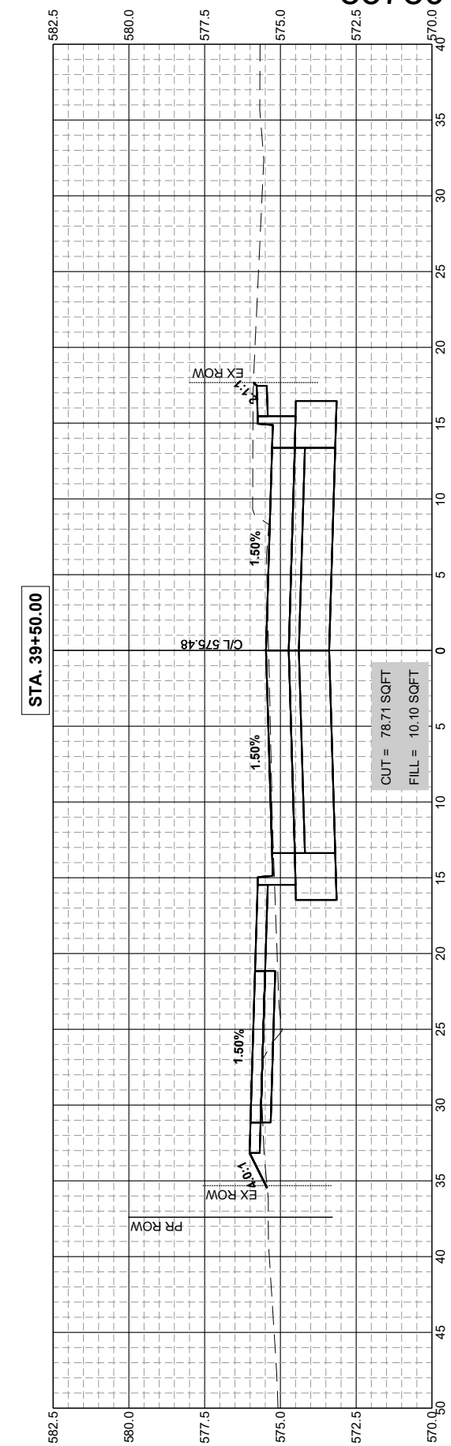
Hutchison Engineering, Inc.	DESIGNED BMP DATE 10-29-25 DRAWN BMP CHECKED DJD PROJECT #: 5201	12TH AVENUE RECONSTRUCTION	CITY OF EAST MOLINE	CROSS SECTIONS (12TH AVE)	SHEET 196 OF 214

Z:\5201 - Downtown Reconstruction - PH I-II (CMT - East Moline)\Design_CADD\CADD Drawings\5201 - Corridor.dwg

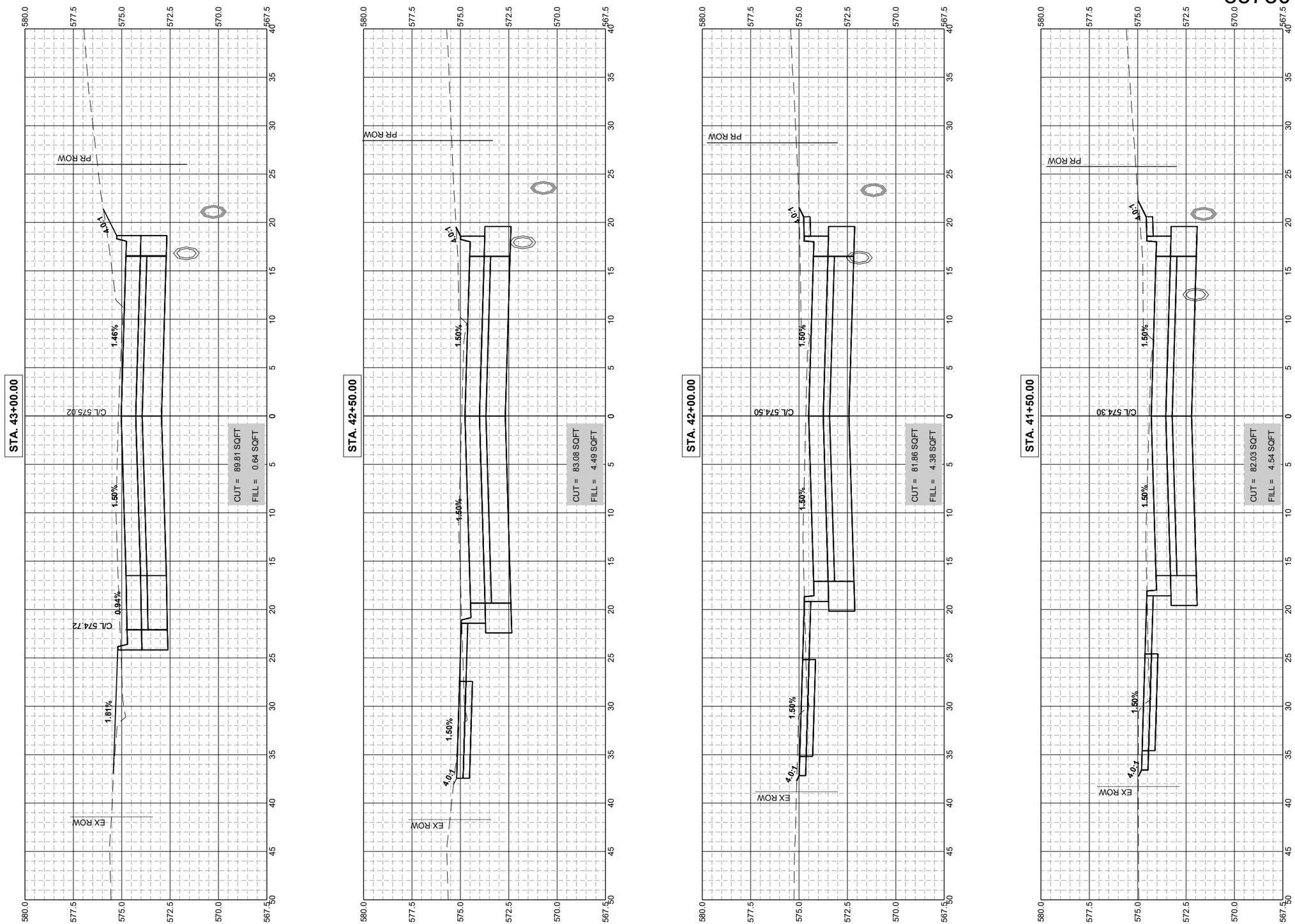








Hutchison Engineering, Inc.	DESIGNED BMP DATE 10-29-25 DRAWN BMP CHECKED DJD PROJECT #: 5201	12TH AVENUE RECONSTRUCTION	CITY OF EAST MOLINE
CROSS SECTIONS (12TH AVE)	SHEET 197 OF 214		



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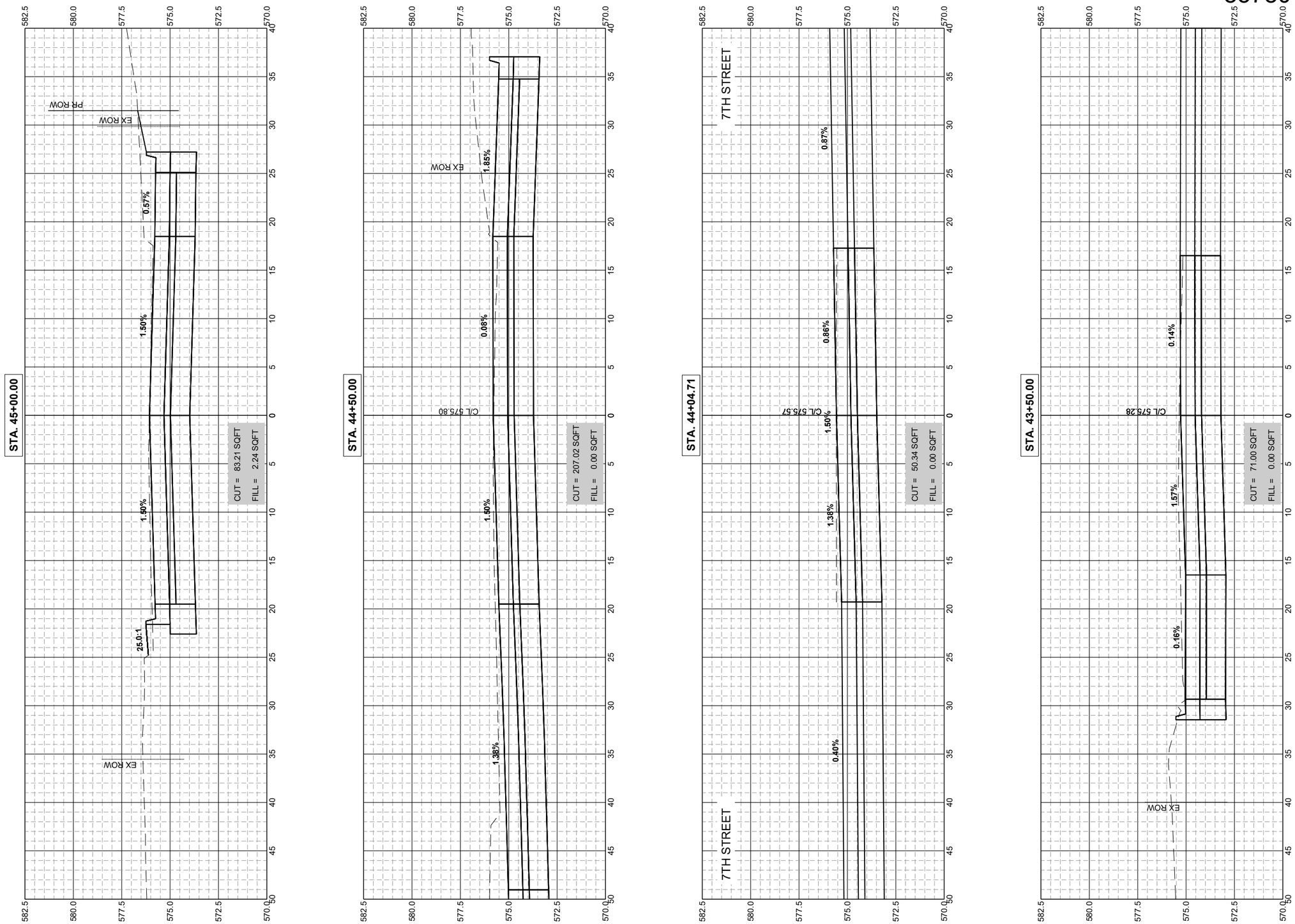
Hutchison Engineering, Inc.	DESIGNED BMP DATE 10-29-25 DRAWN BMP CHECKED DJD PROJECT #: 5201	12TH AVENUE RECONSTRUCTION	CITY OF EAST MOLINE

CROSS SECTIONS (12TH AVE)



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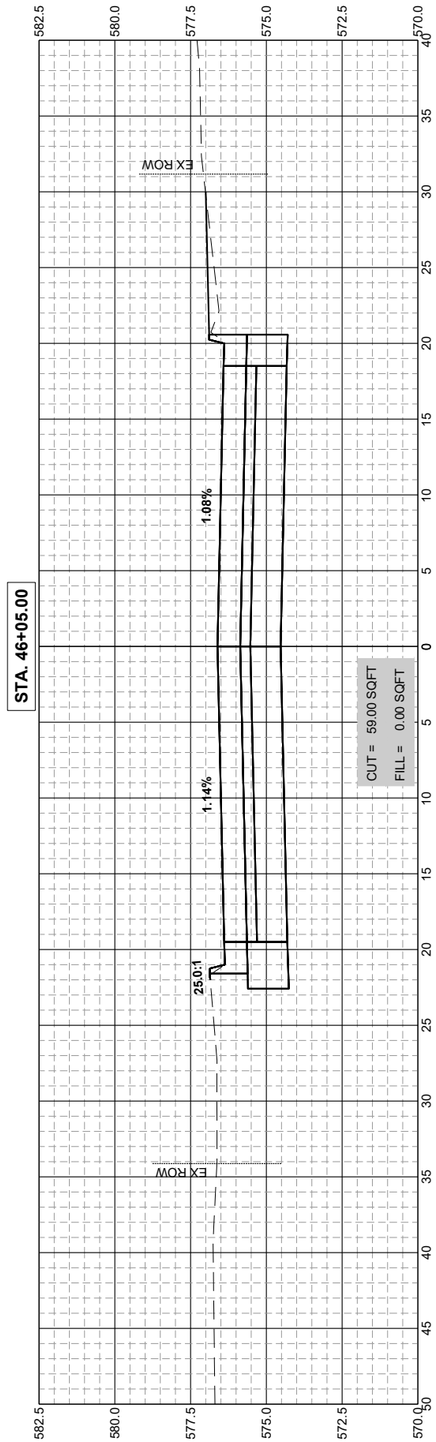
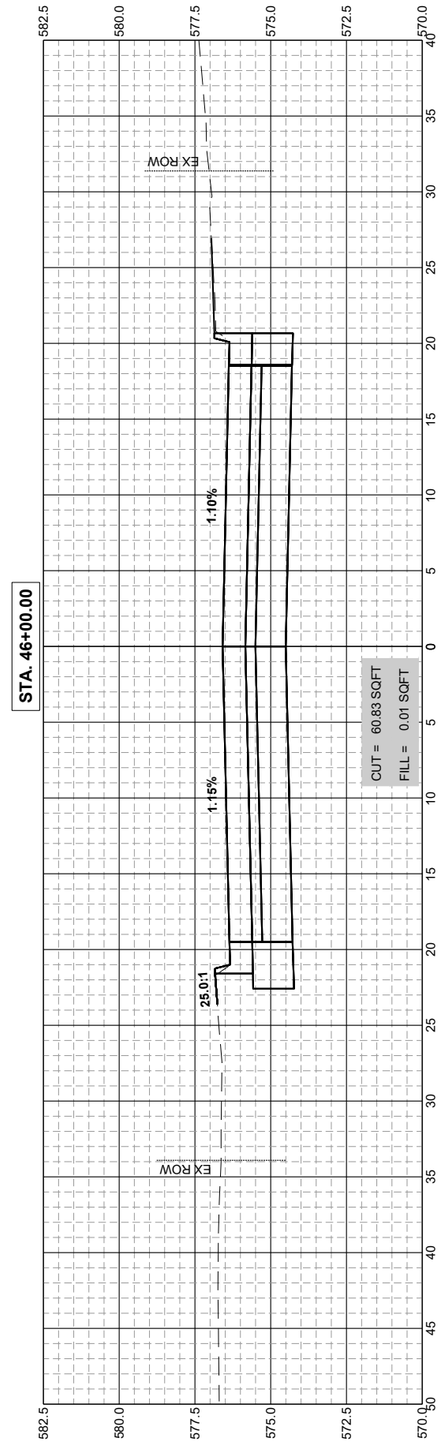
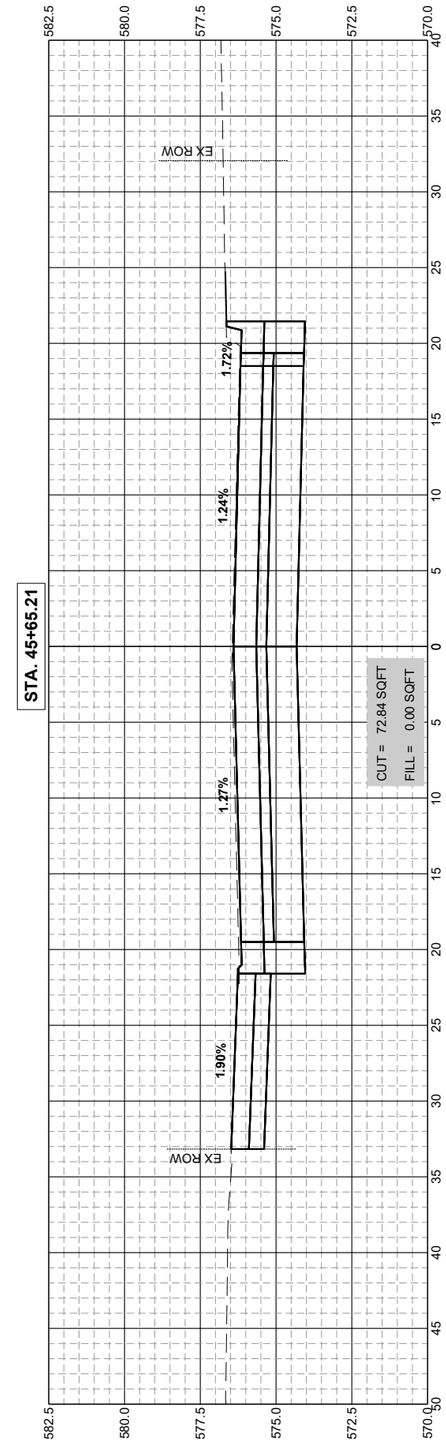
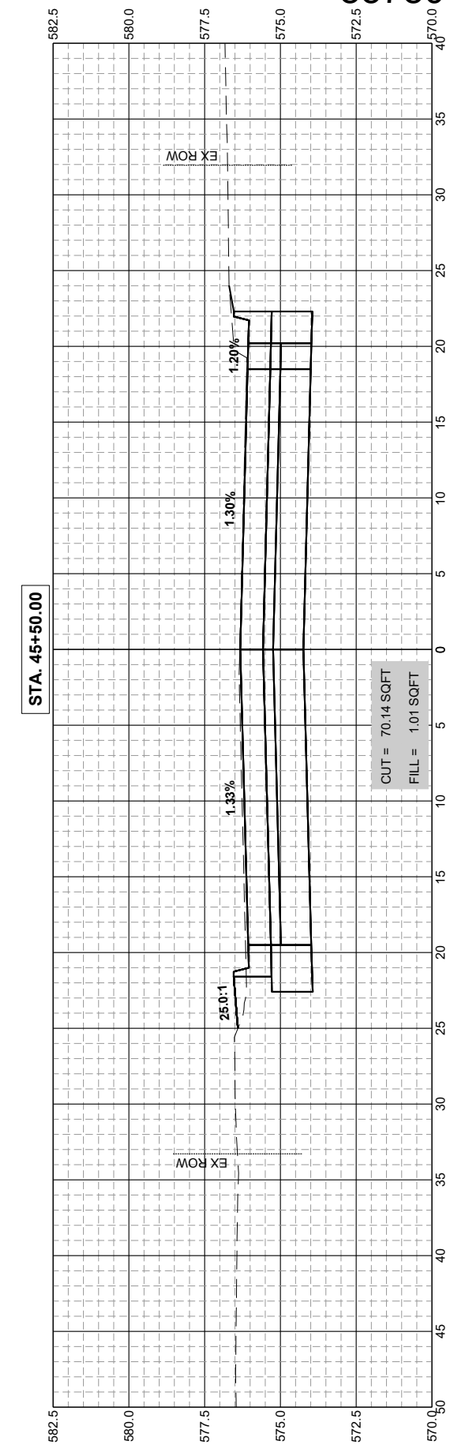
Hutchison Engineering, Inc.	DESIGNED BMP	DATE 10-29-25	12TH AVENUE RECONSTRUCTION	CITY OF EAST MOLINE	CROSS SECTIONS (12TH AVE)
	DRAWN BMP				
	CHECKED DJD				
	PROJECT #: 5201				

Z:\5201 - Downtown Reconstruction - PH I-II (CMT - East Moline)\Design_CADD\CADD Drawings\5201 - Corridor.dwg



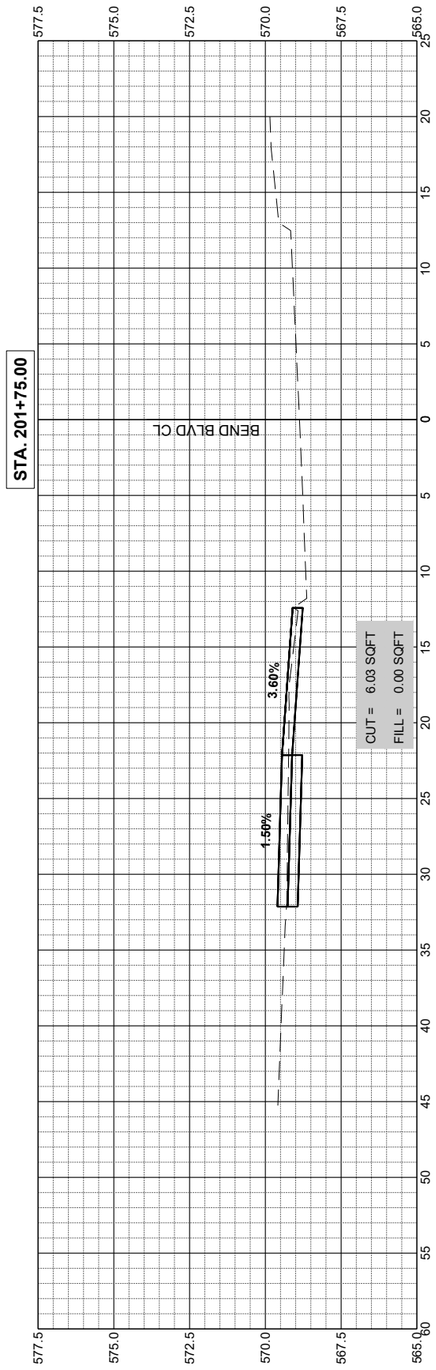


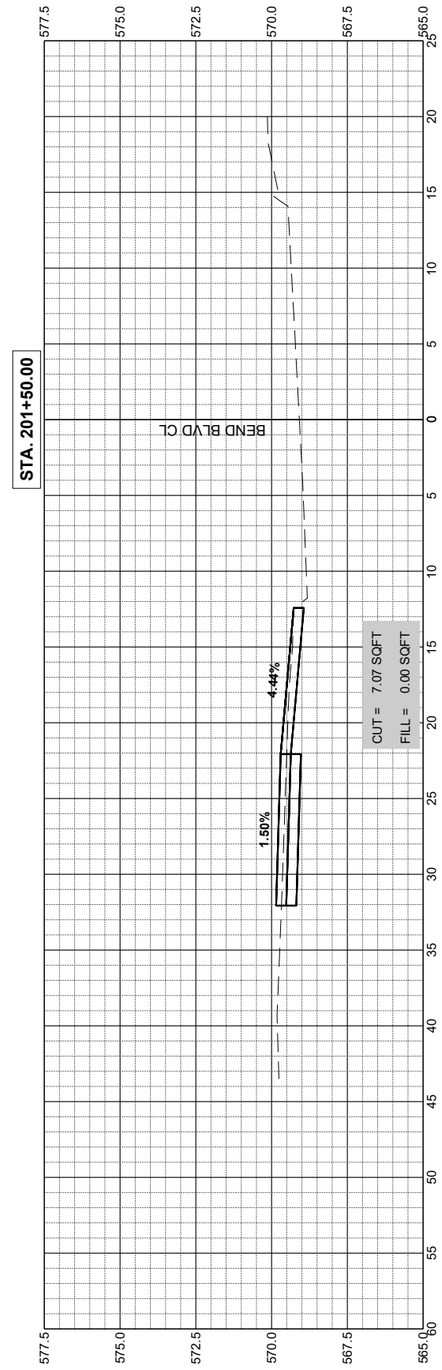


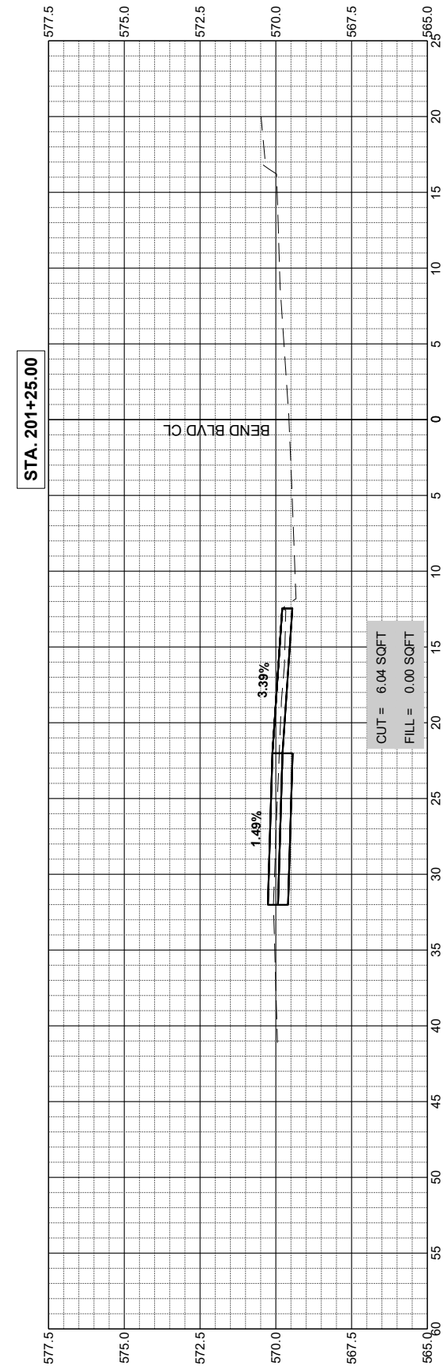


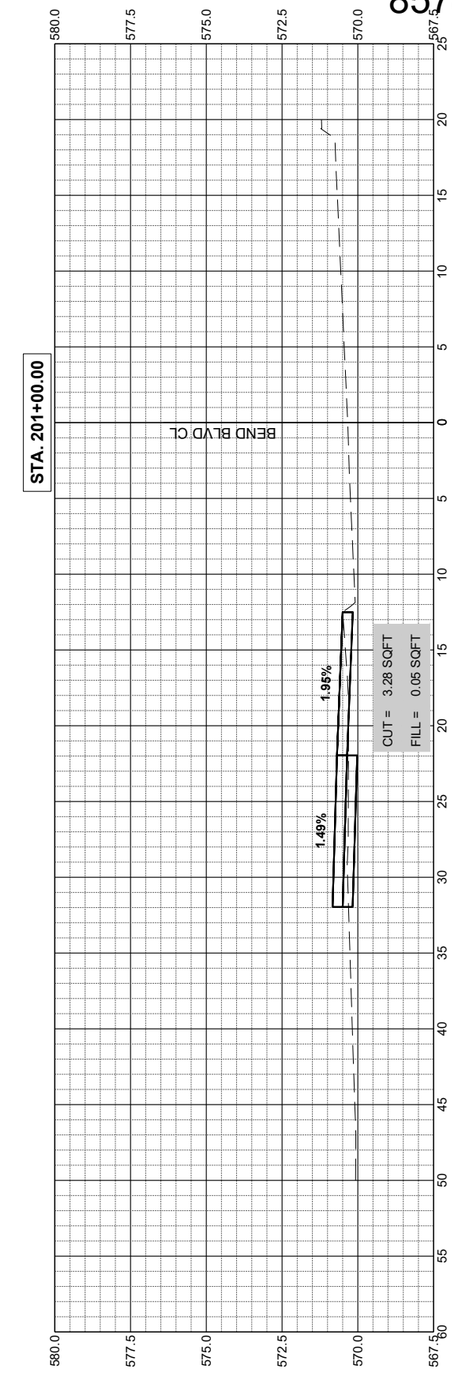
Hutchison Engineering, Inc.	DESIGNED BMP DATE 10-29-25 DRAWN BMP CHECKED DJD PROJECT #: 5201	12TH AVENUE RECONSTRUCTION	CITY OF EAST MOLINE

CROSS SECTIONS (12TH AVE)









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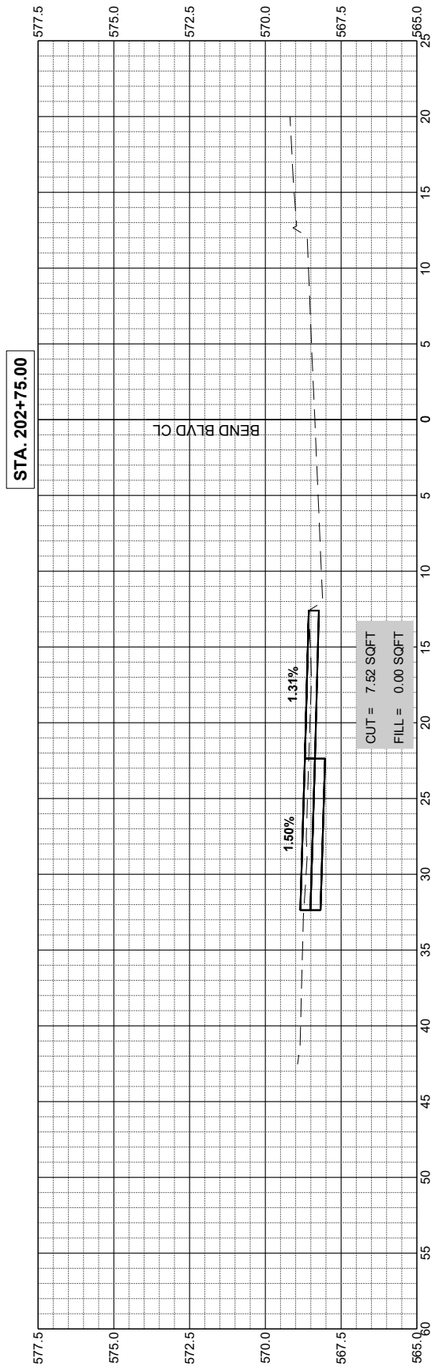
Hutchison Engineering, Inc.

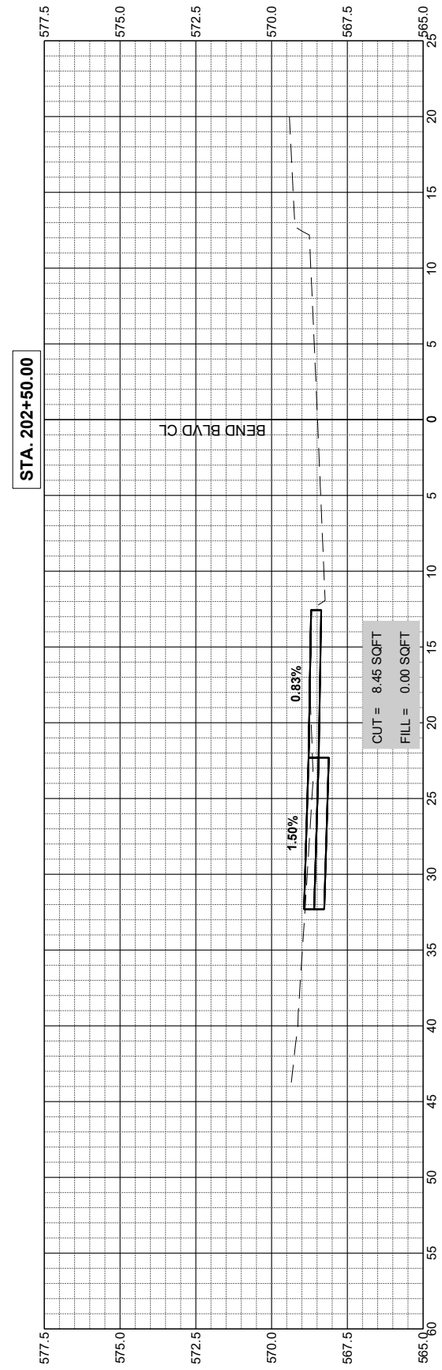
DESIGNED BMP	DATE- 10-29-25	
DRAWN BMP		
CHECKED DJD		
PROJECT #: 5201		

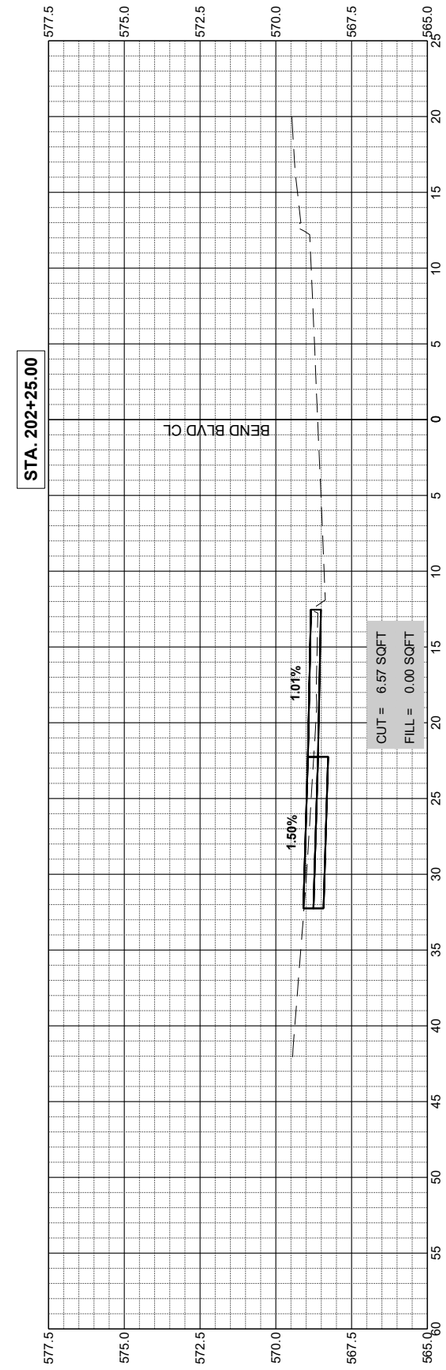
12TH AVENUE RECONSTRUCTION

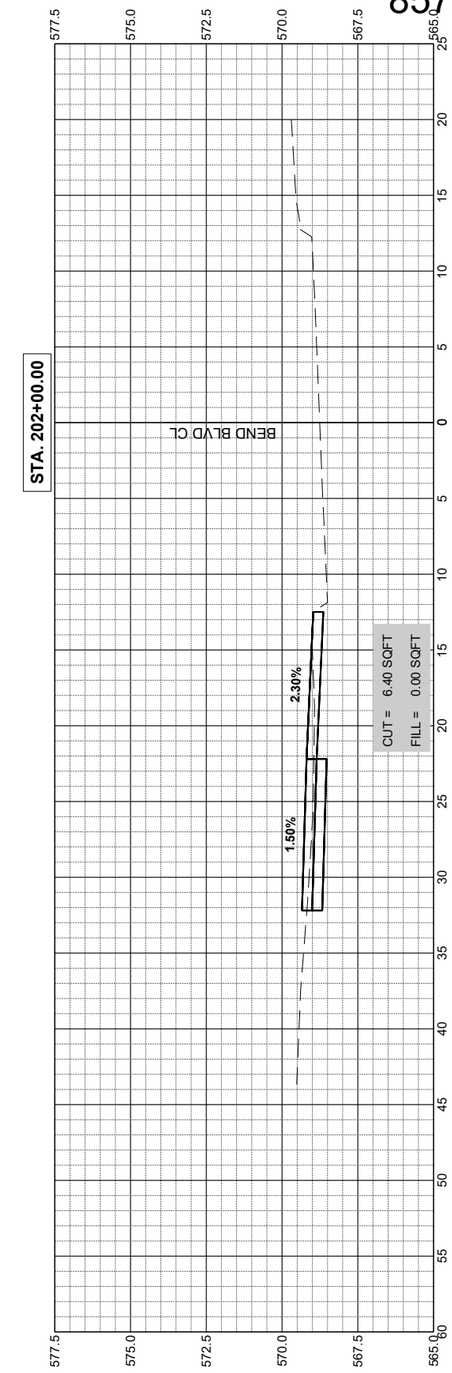
CITY OF EAST MOLINE

CROSS SECTIONS (BEND BLVD)









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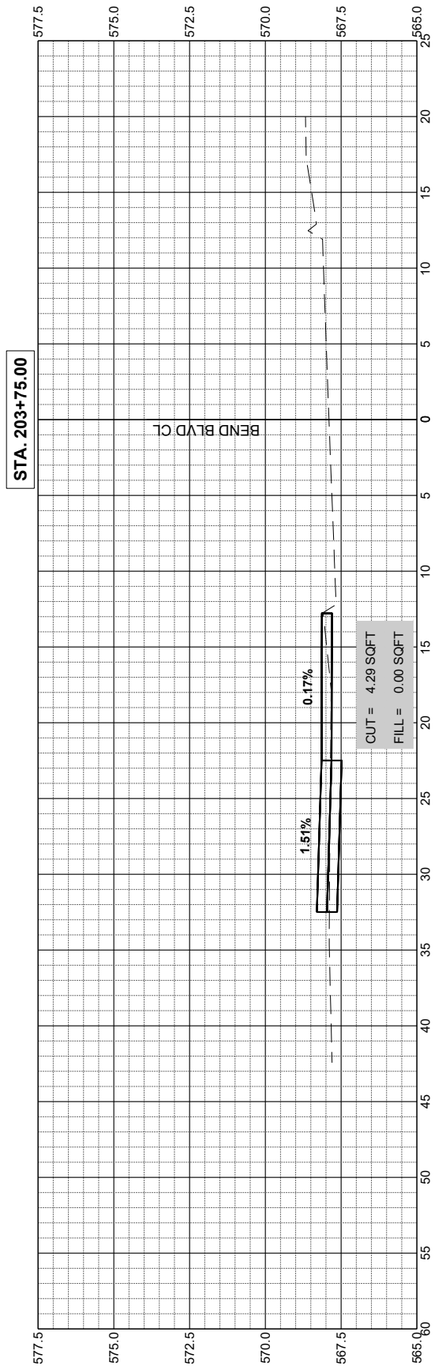
Hutchison Engineering, Inc.

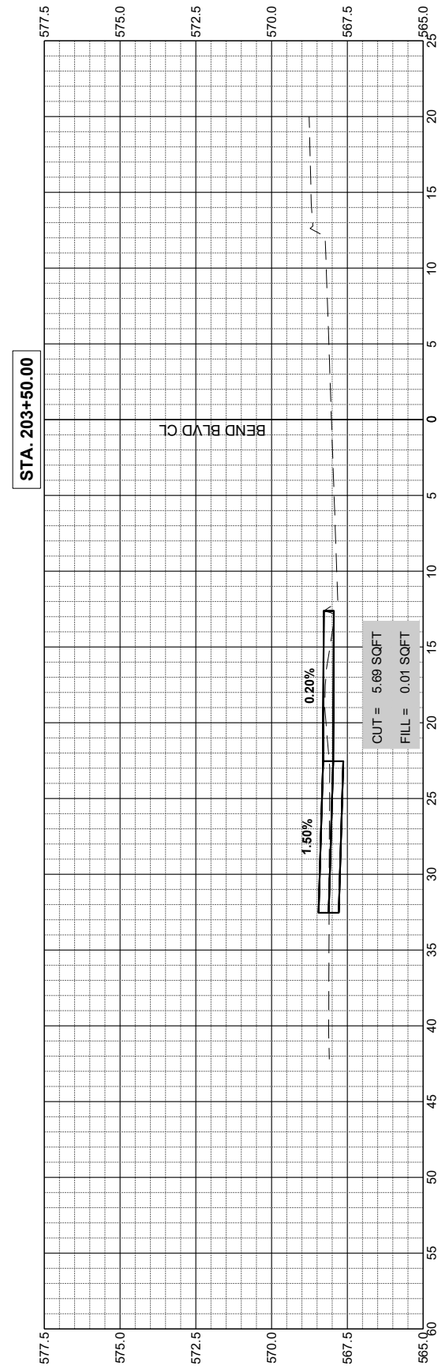
DESIGNED BMP	DATE- 10-29-25	
DRAWN BMP		
CHECKED DJD		
PROJECT #: 5201		

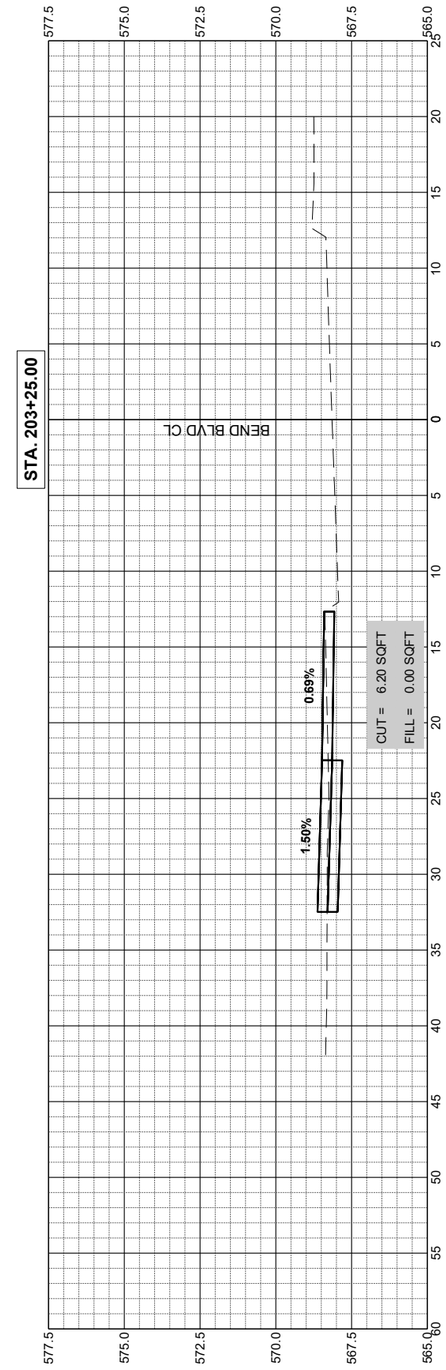
12TH AVENUE RECONSTRUCTION

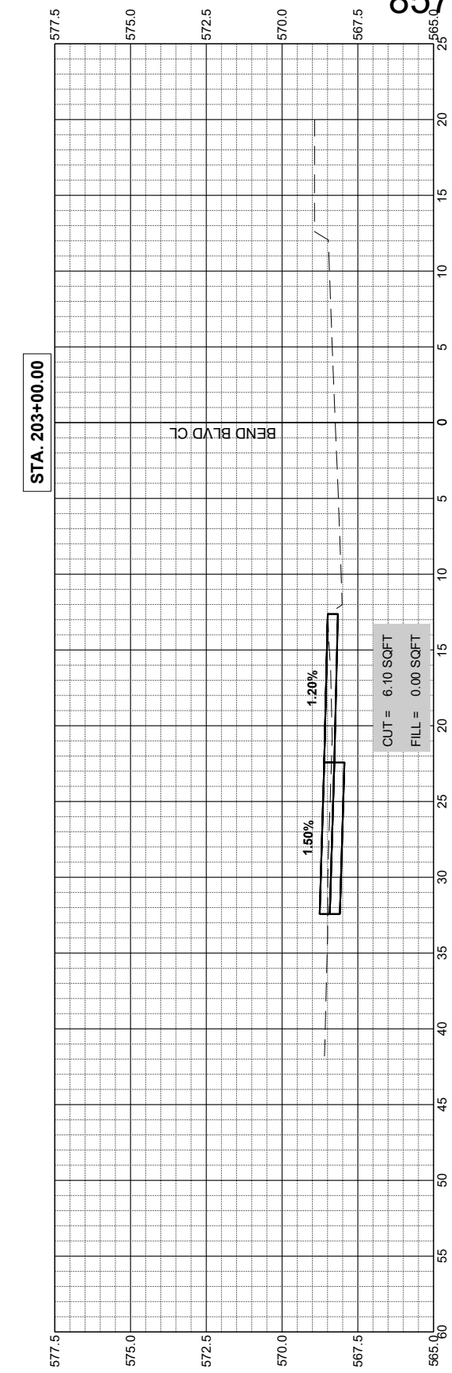
CITY OF EAST MOLINE

CROSS SECTIONS (BEND BLVD)









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Hutchison Engineering, Inc.

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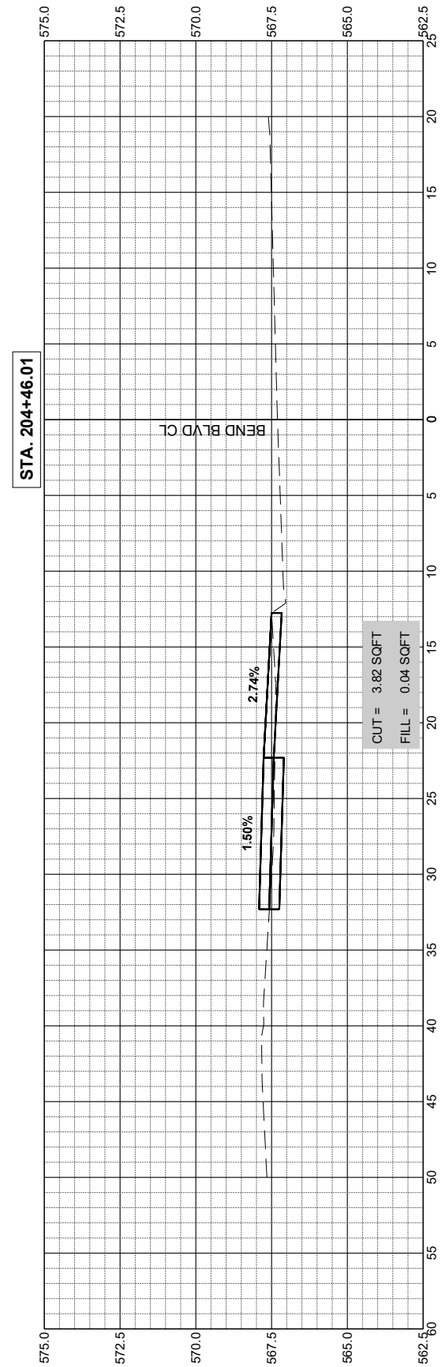
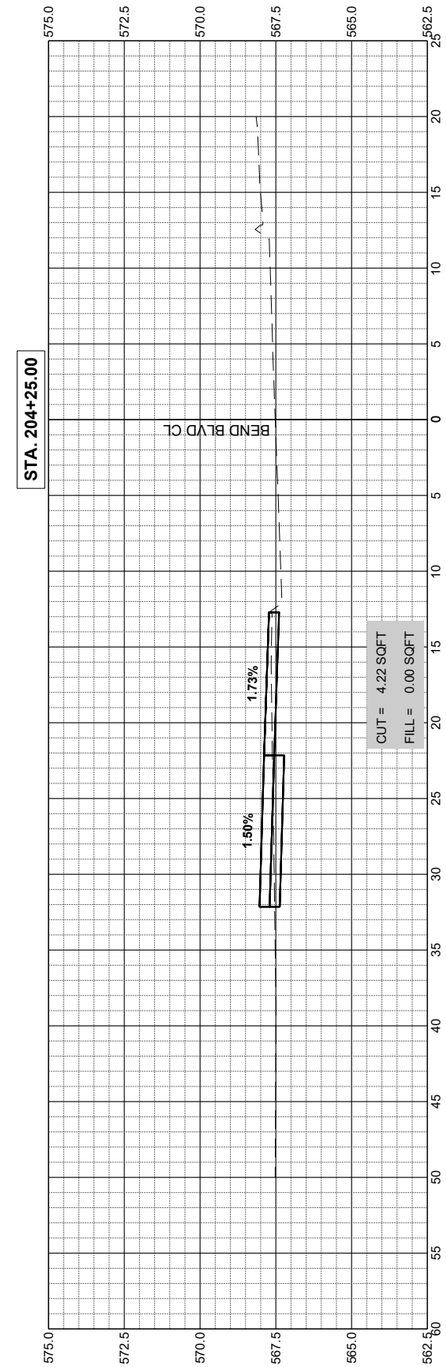
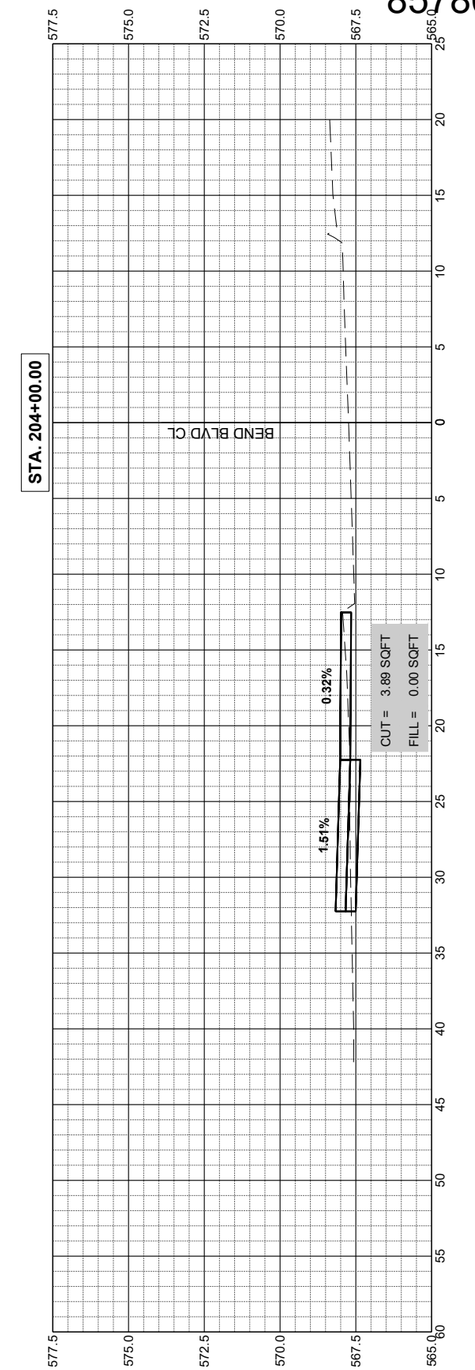
12TH AVENUE RECONSTRUCTION

CITY OF EAST MOLINE

CROSS SECTIONS (BEND BLVD)







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Hutchison Engineering, Inc.

DESIGNED BMP	DATE- 10-29-25	
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12TH AVENUE RECONSTRUCTION

CITY OF EAST MOLINE

CROSS SECTIONS (BEND BLVD)

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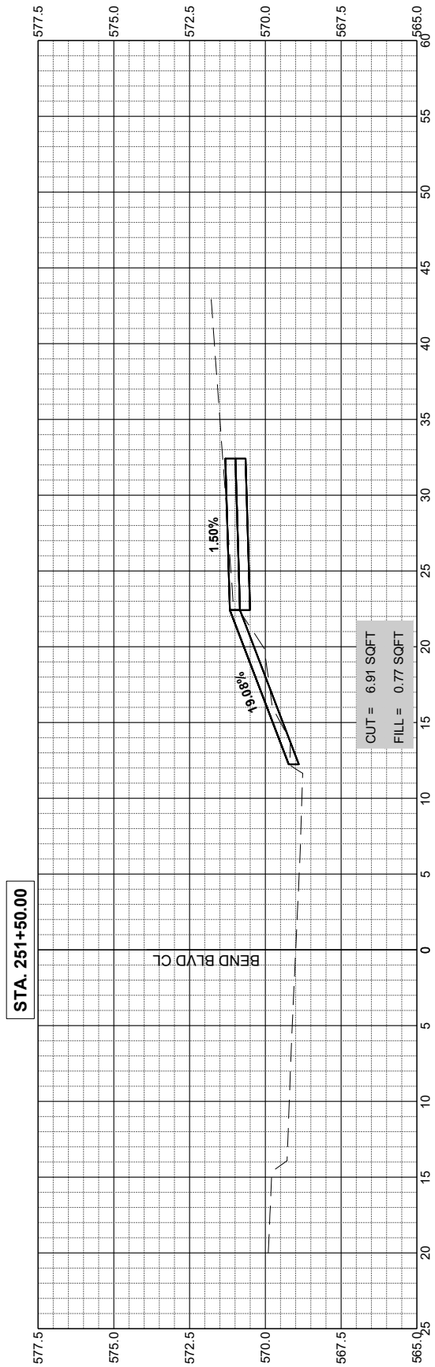

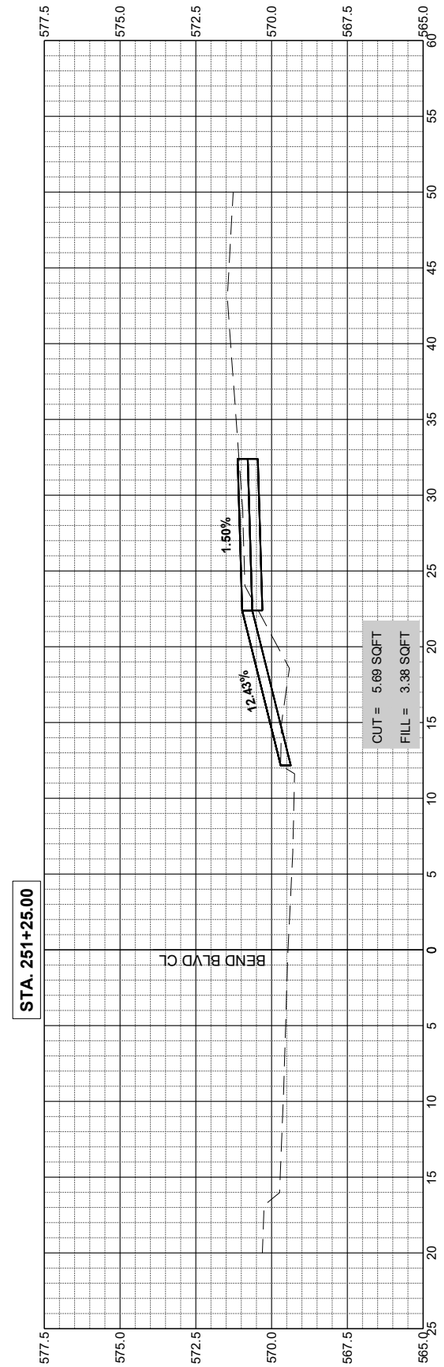

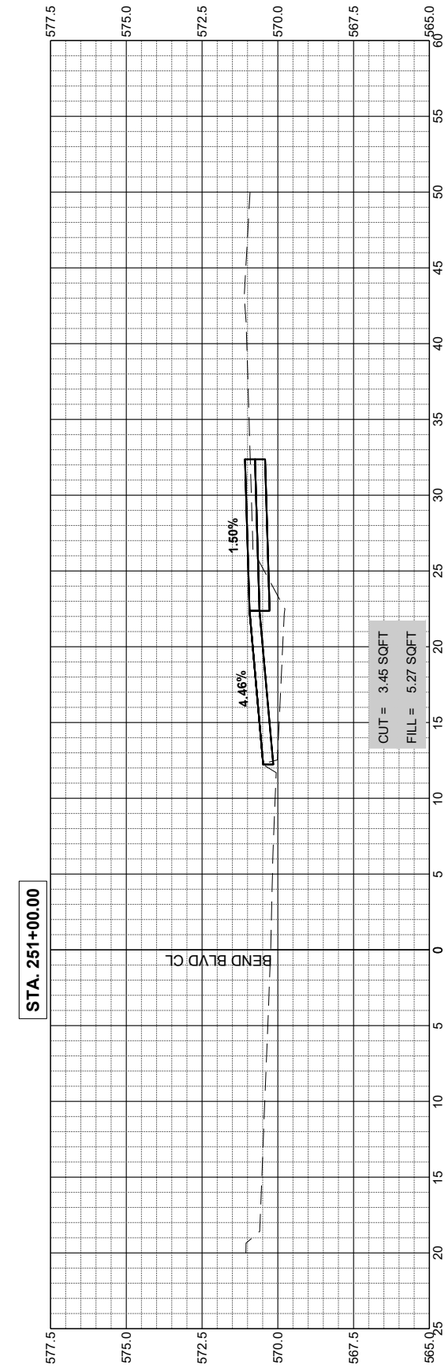

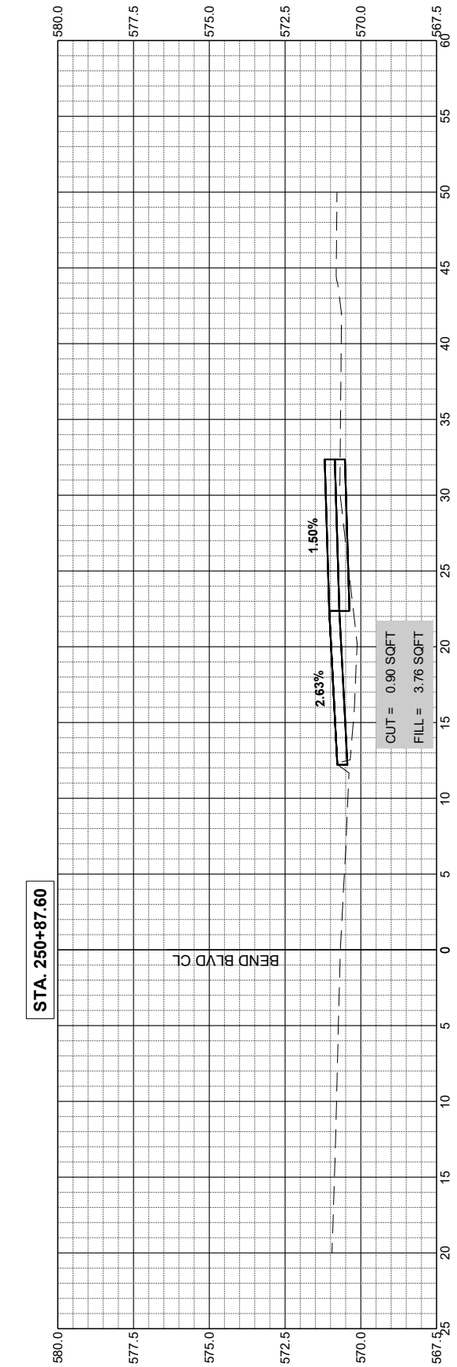

Hutchison Engineering, Inc.	DESIGNED BMP DATE- 10-29-25 DRAWN BMP CHECKED DJD PROJECT #: 5201	12TH AVENUE RECONSTRUCTION	CITY OF EAST MOLINE	CROSS SECTIONS (BEND BLVD)

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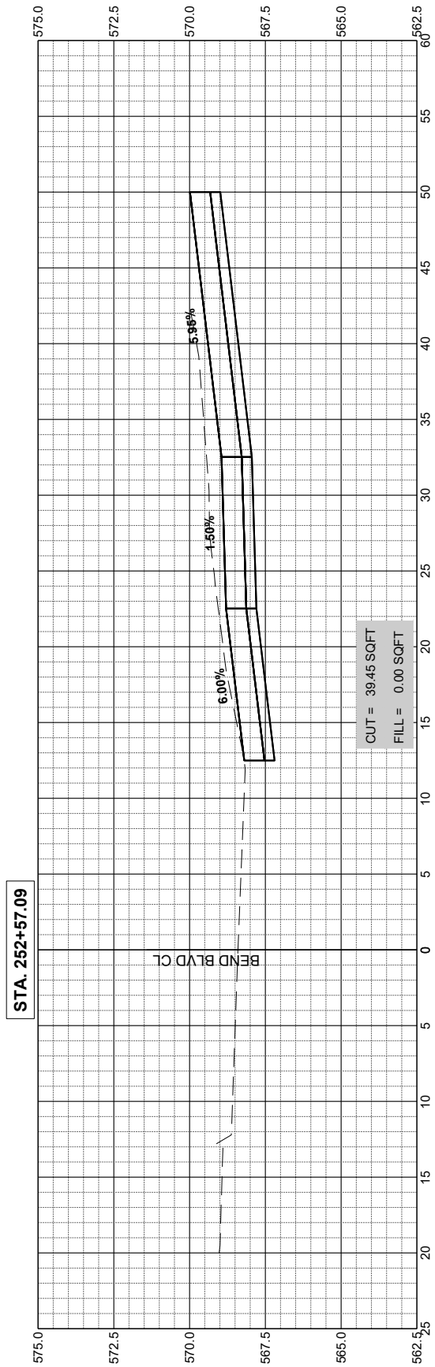

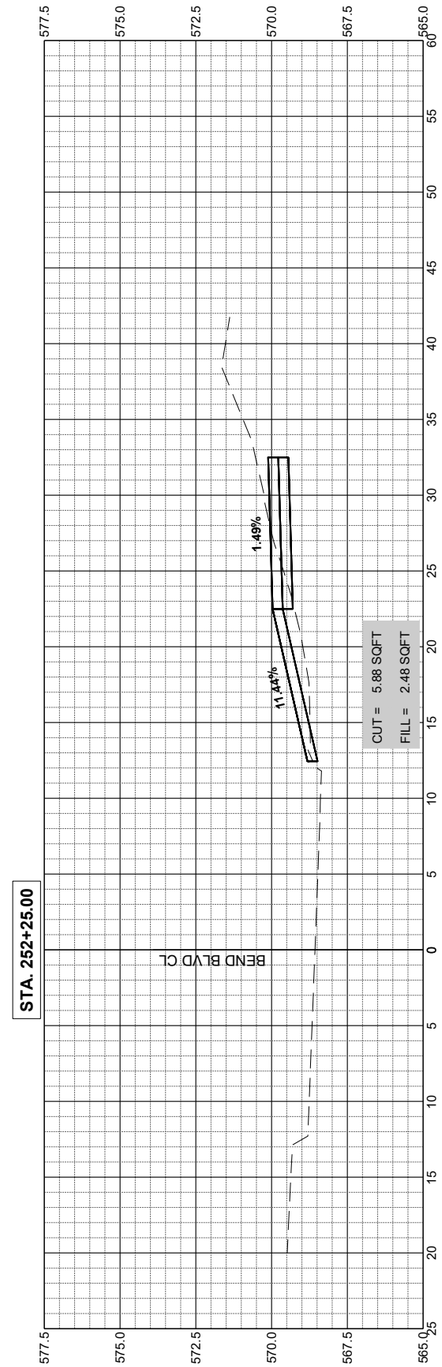

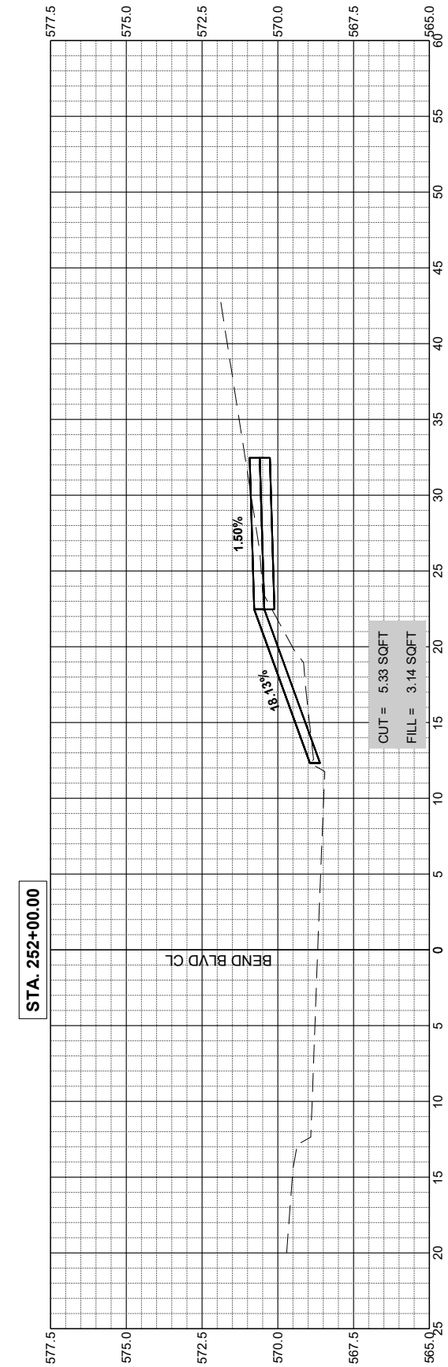

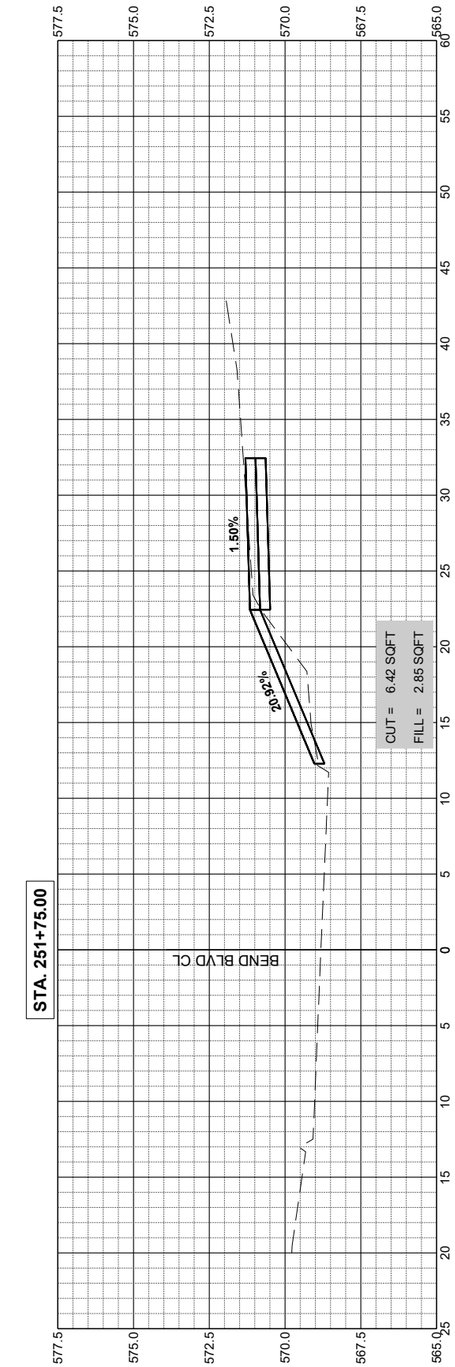

Hutchison Engineering, Inc.	DESIGNED BMP DATE- 10-29-25 DRAWN BMP CHECKED DJD PROJECT #: 5201	12TH AVENUE RECONSTRUCTION	CITY OF EAST MOLINE	CROSS SECTIONS (BEND BLVD)

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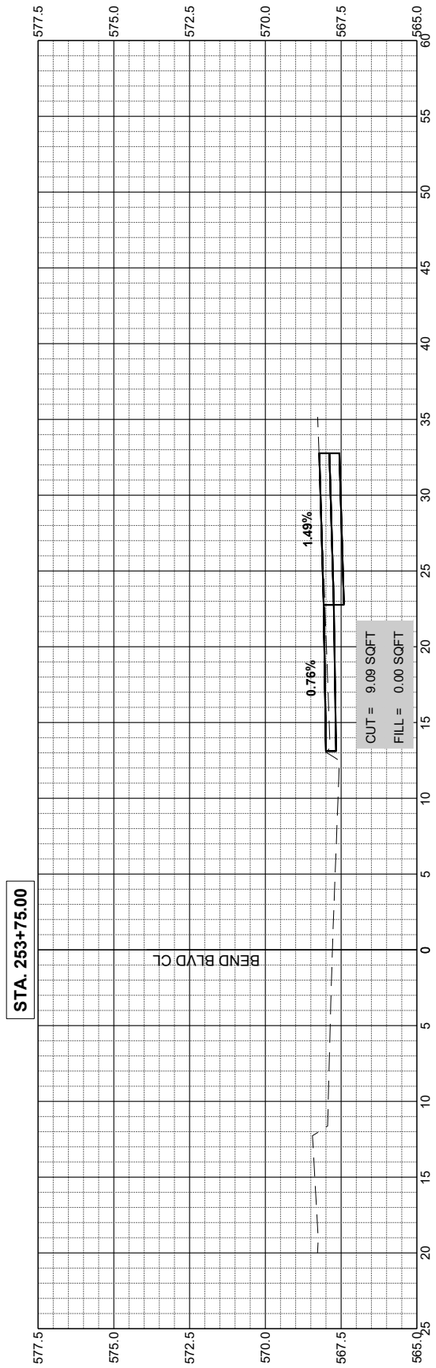

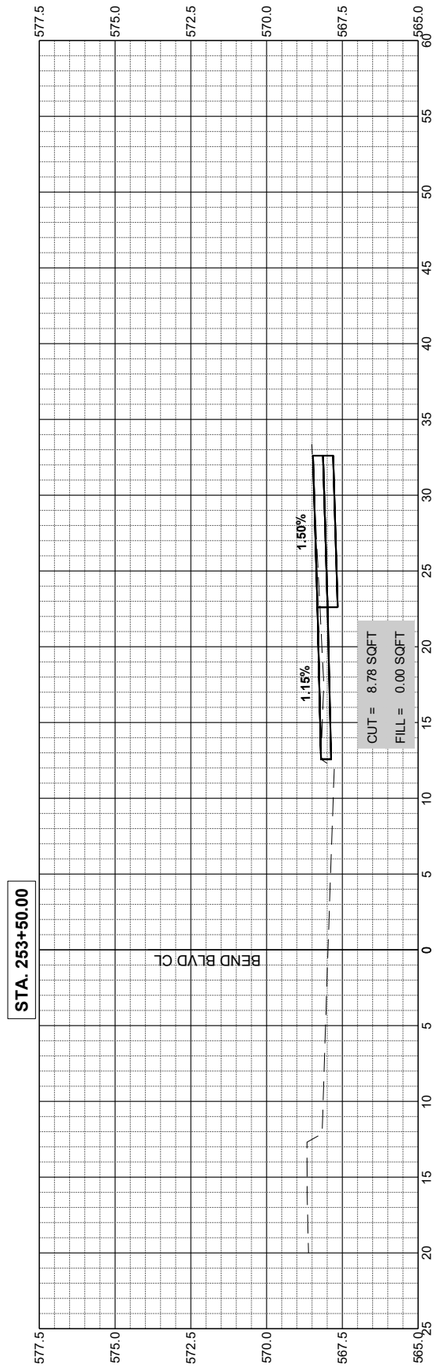

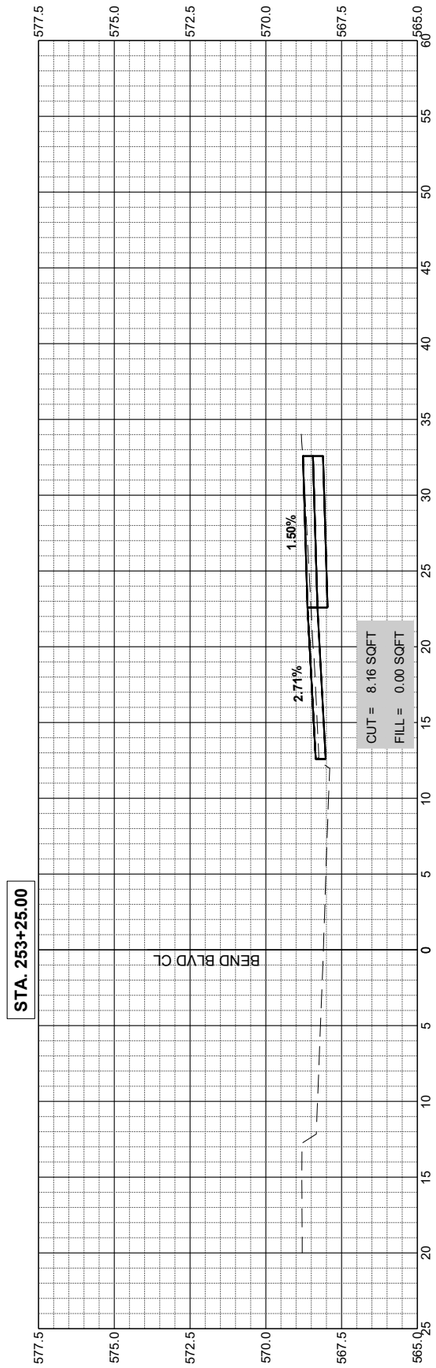

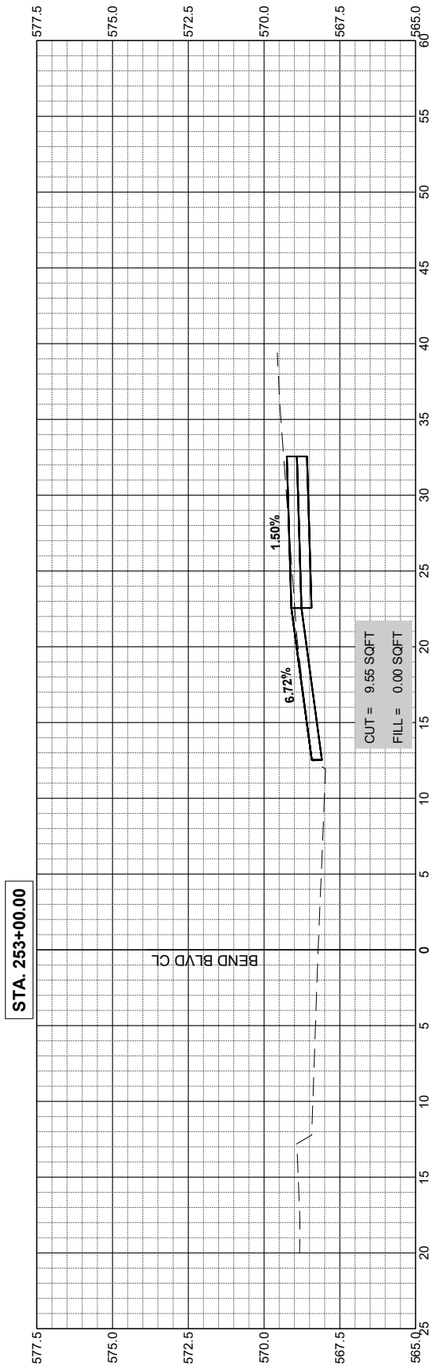

Hutchison Engineering, Inc.	DESIGNED BMP DATE- 10-29-25 DRAWN BMP CHECKED DJD PROJECT #: 5201	12TH AVENUE RECONSTRUCTION	CITY OF EAST MOLINE	CROSS SECTIONS (BEND BLVD)

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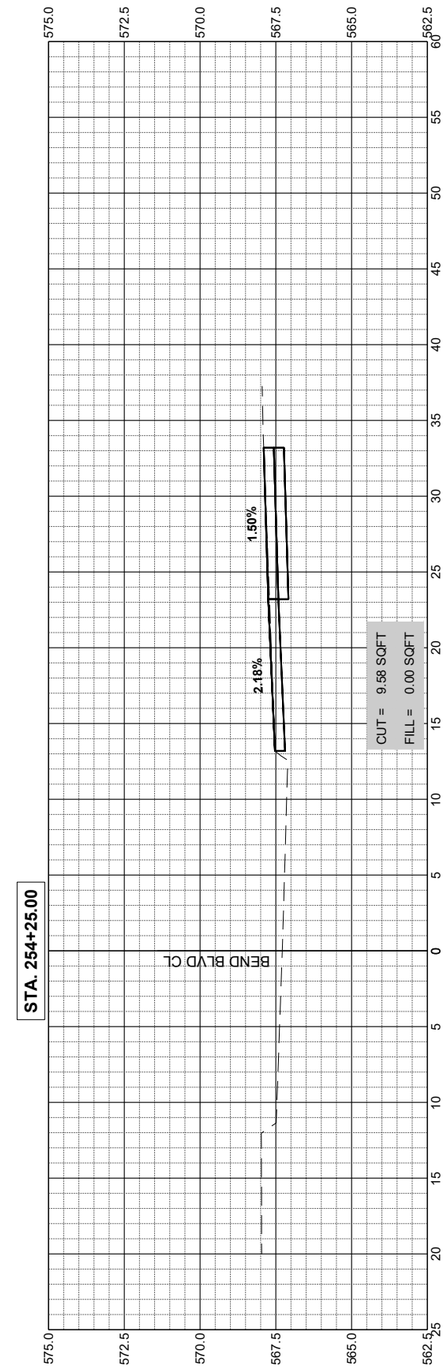
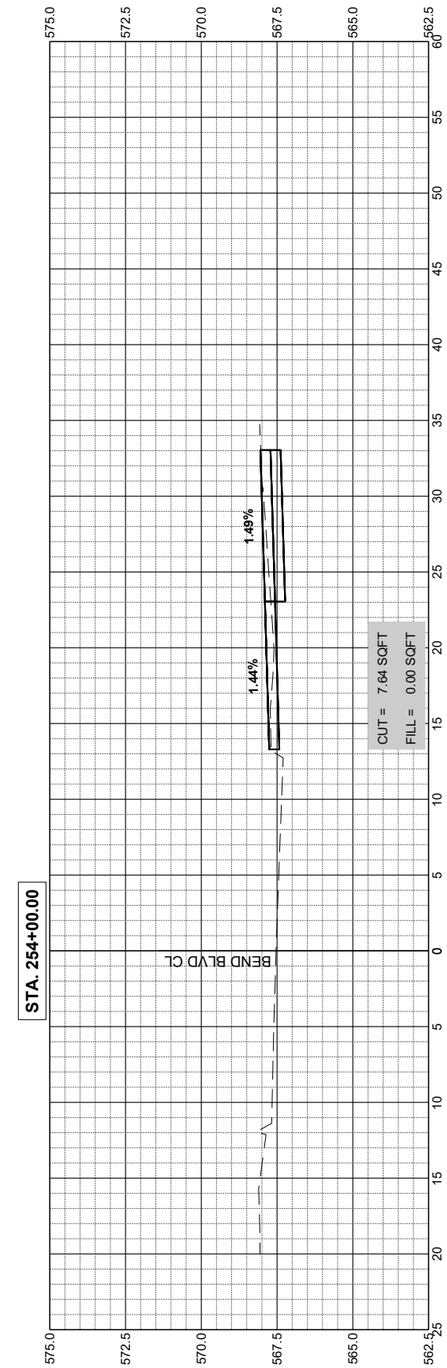
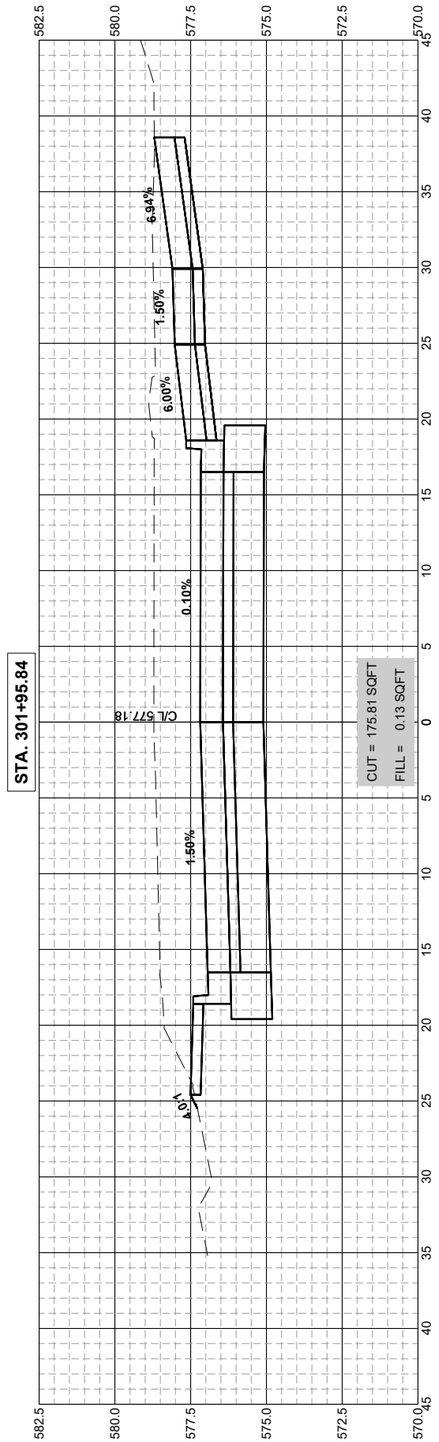
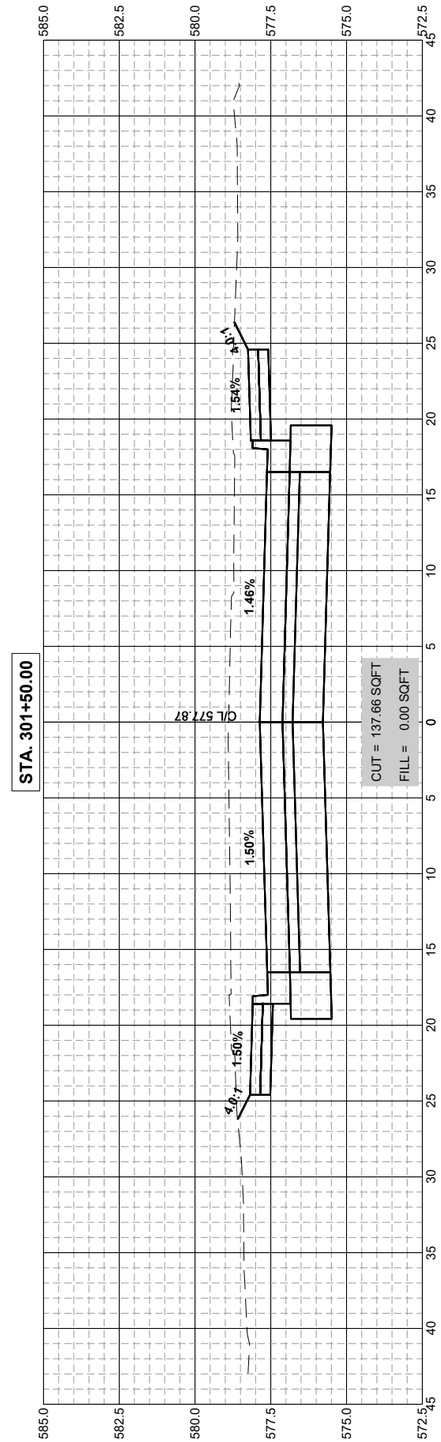
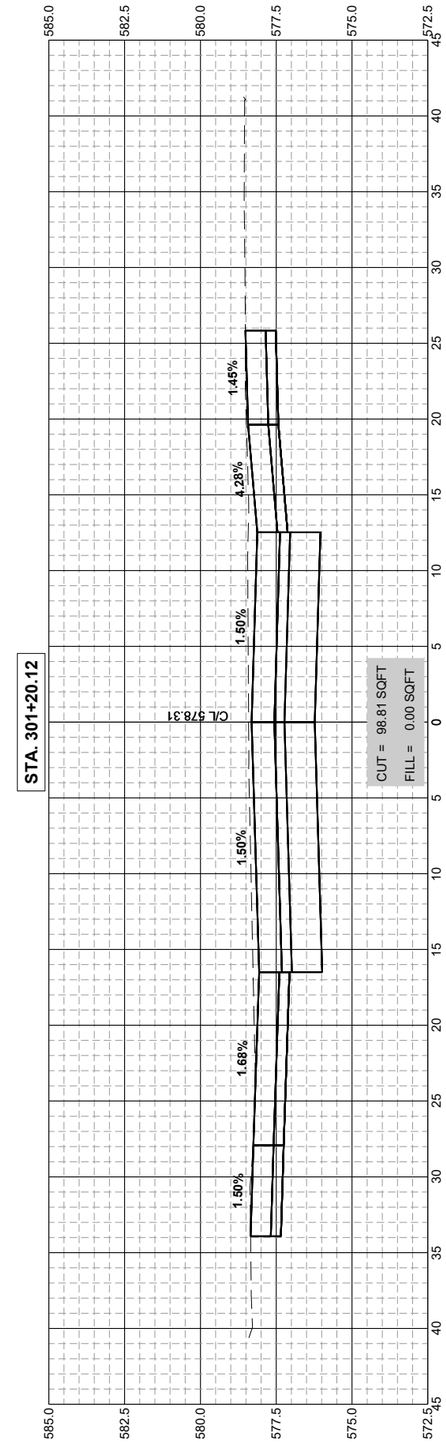


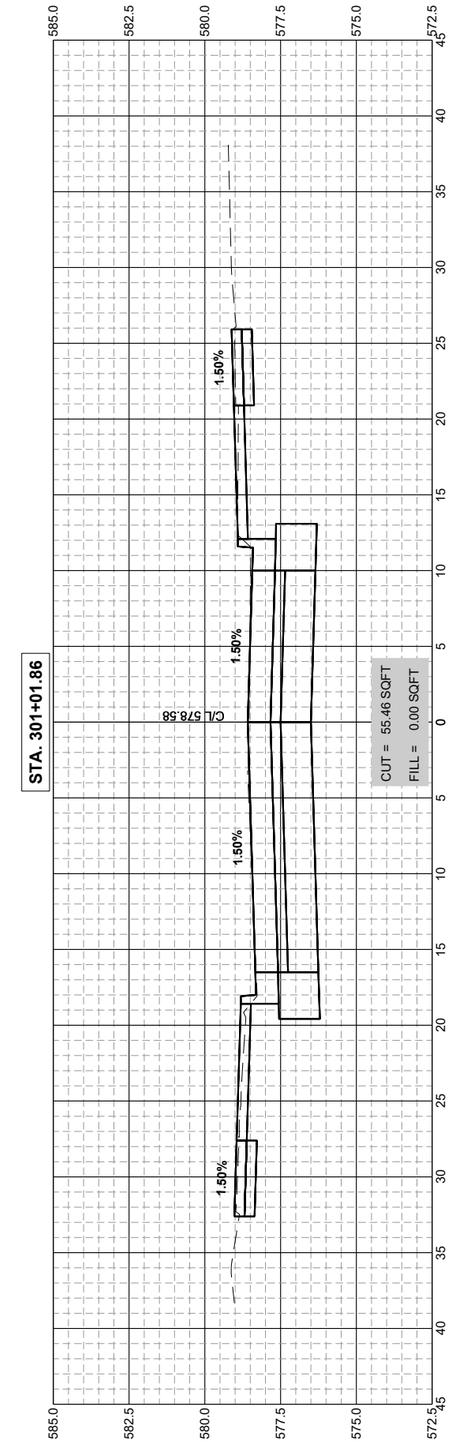


Hutchison Engineering, Inc.	DESIGNED BMP DATE- 10-29-25 DRAWN BMP CHECKED DJD PROJECT #: 5201	12TH AVENUE RECONSTRUCTION	CITY OF EAST MOLINE	CROSS SECTIONS (BEND BLVD)	SHEET 208 OF 214









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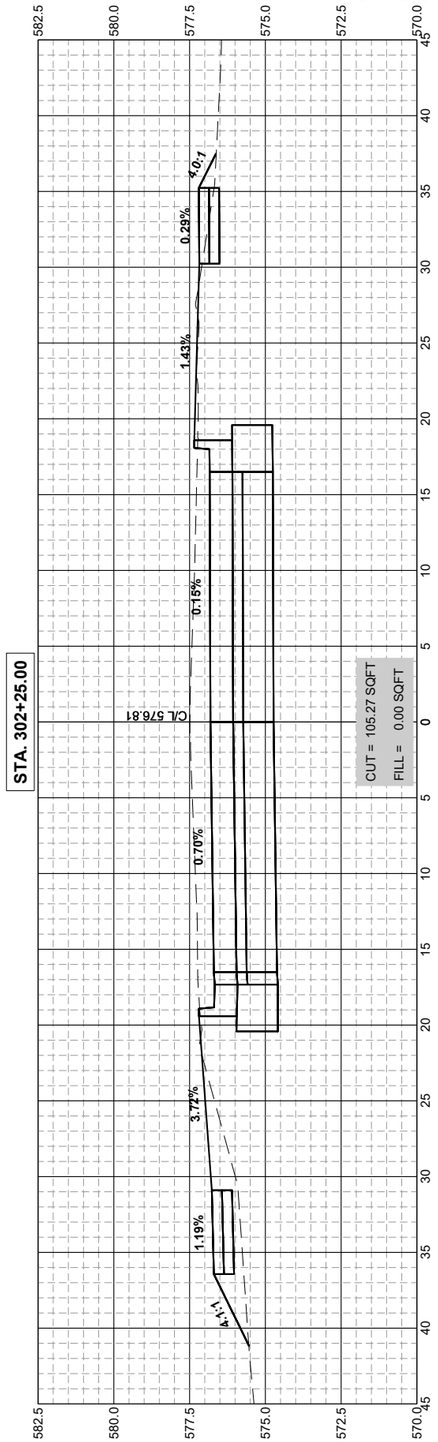
Hutchison Engineering, Inc.

DESIGNED	BMP	DATE 10-29-25
DRAWN	BMP	
CHECKED	DJD	
PROJECT #:	5201	

12TH AVENUE RECONSTRUCTION

CITY OF EAST MOLINE

CROSS SECTIONS (3RD ST)



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Hutchison Engineering, Inc.	DESIGNED BMP DATE 10-29-25 DRAWN BMP CHECKED DJD PROJECT #: 5201	12TH AVENUE RECONSTRUCTION	CITY OF EAST MOLINE

CROSS SECTIONS (3RD ST)

Hutchison Engineering, Inc.

DESIGNED	BMP
DRAWN	BMP
CHECKED	DJD
PROJECT #	5201
DATE	10-29-25

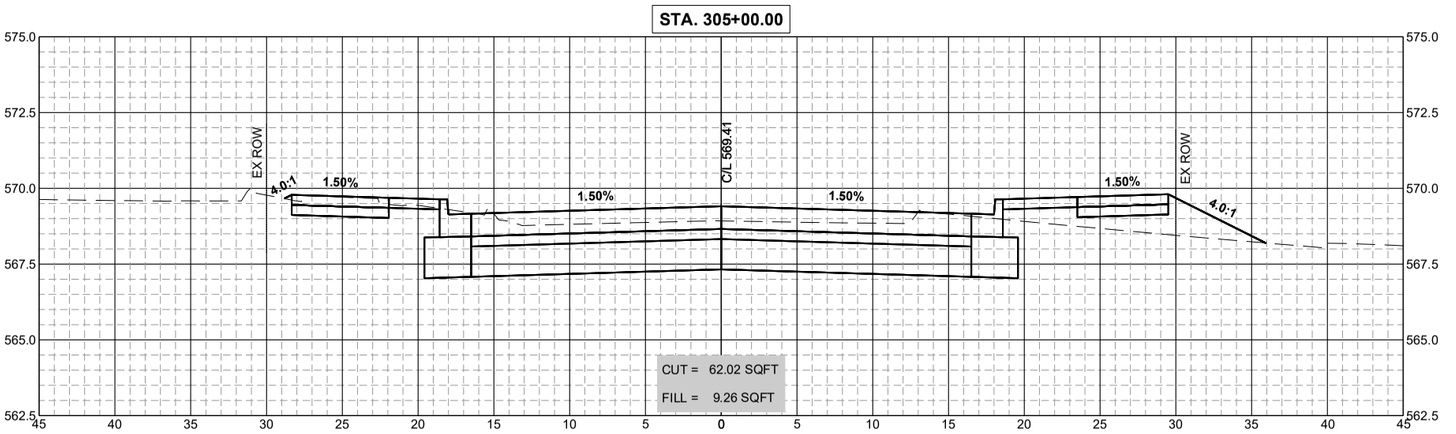
12TH AVENUE RECONSTRUCTION

CITY OF EAST MOLINE

CROSS SECTIONS (3RD ST)

RETAINING WALL NOT DRAWN TO SCALE.
SEE RETAINING WALL DETAIL SHEETS
FOR ELEVATION INFORMATION.

STA. 305+00.00



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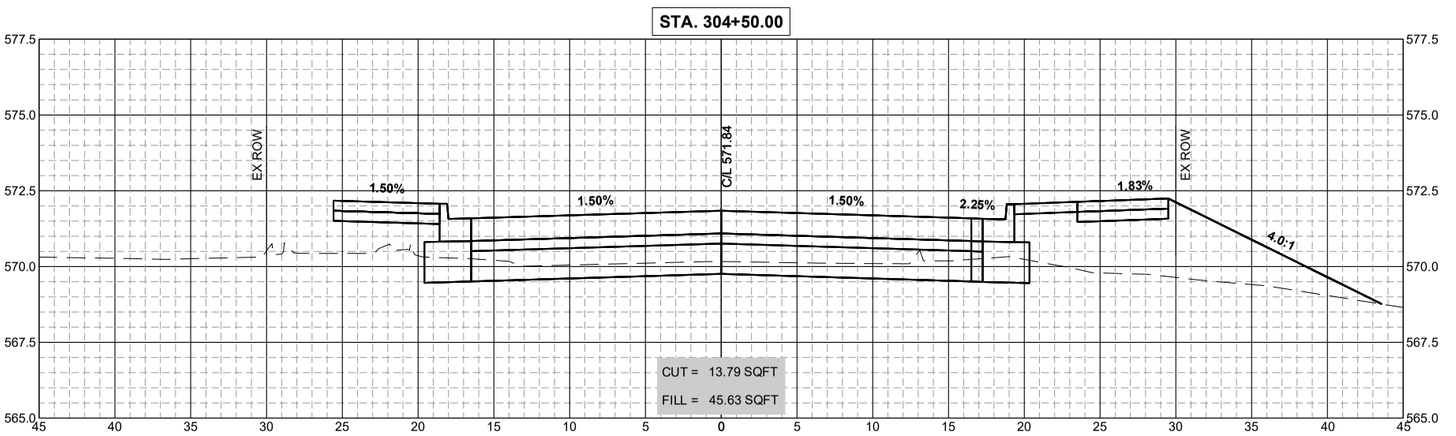

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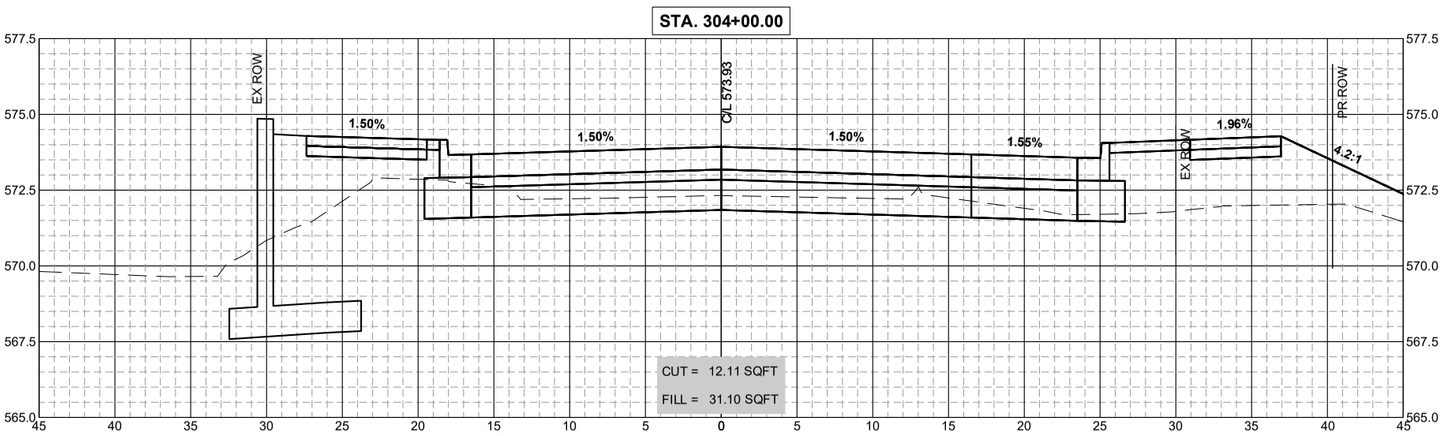

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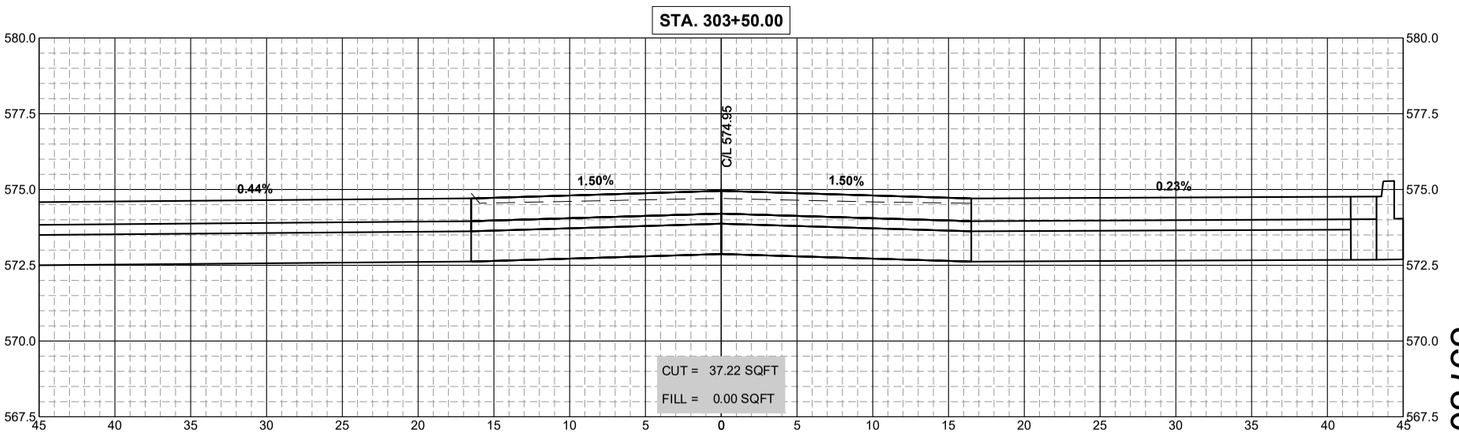

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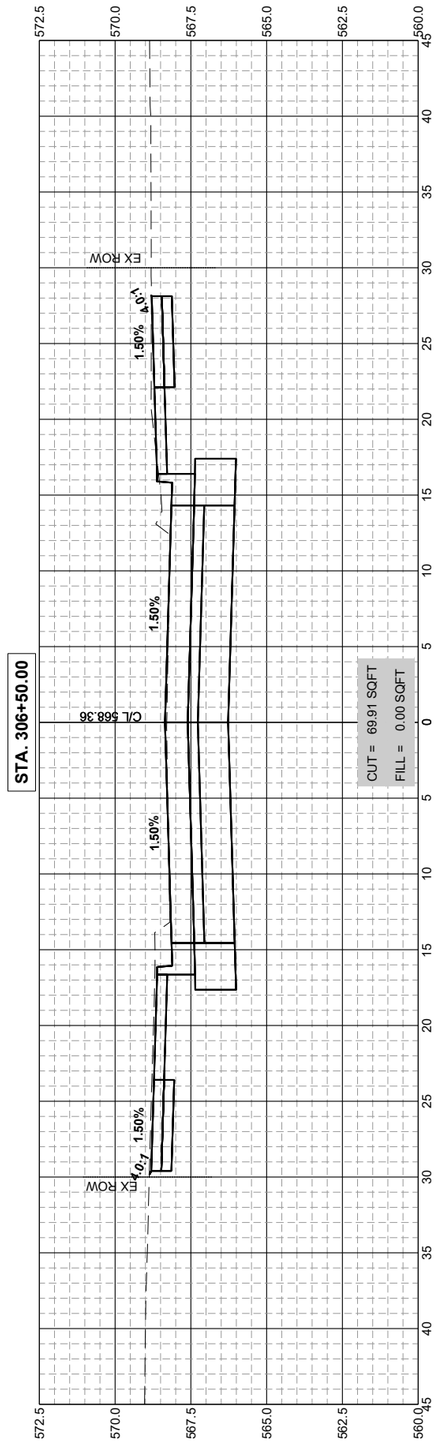

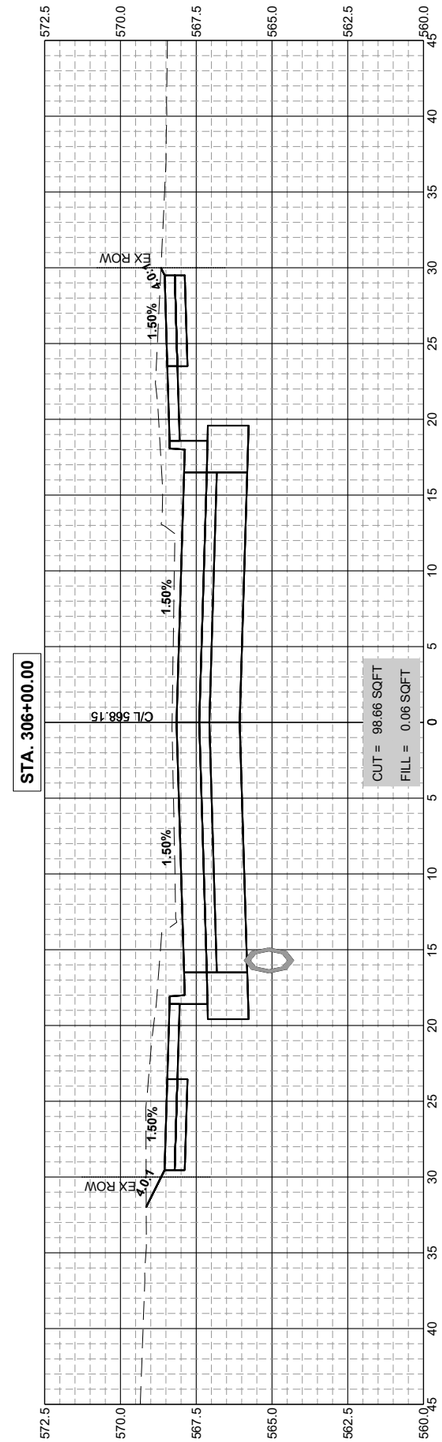

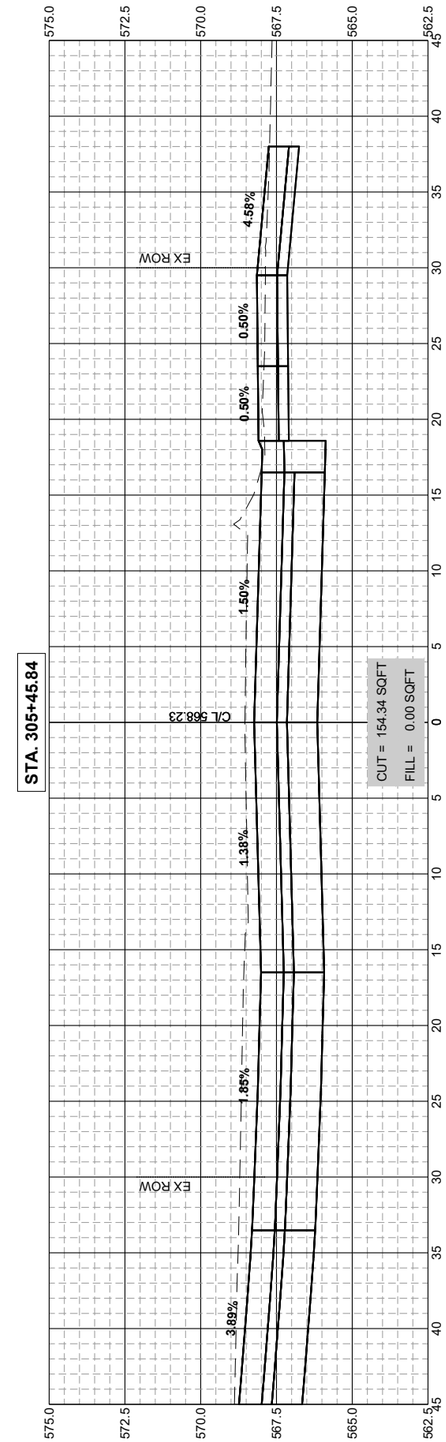

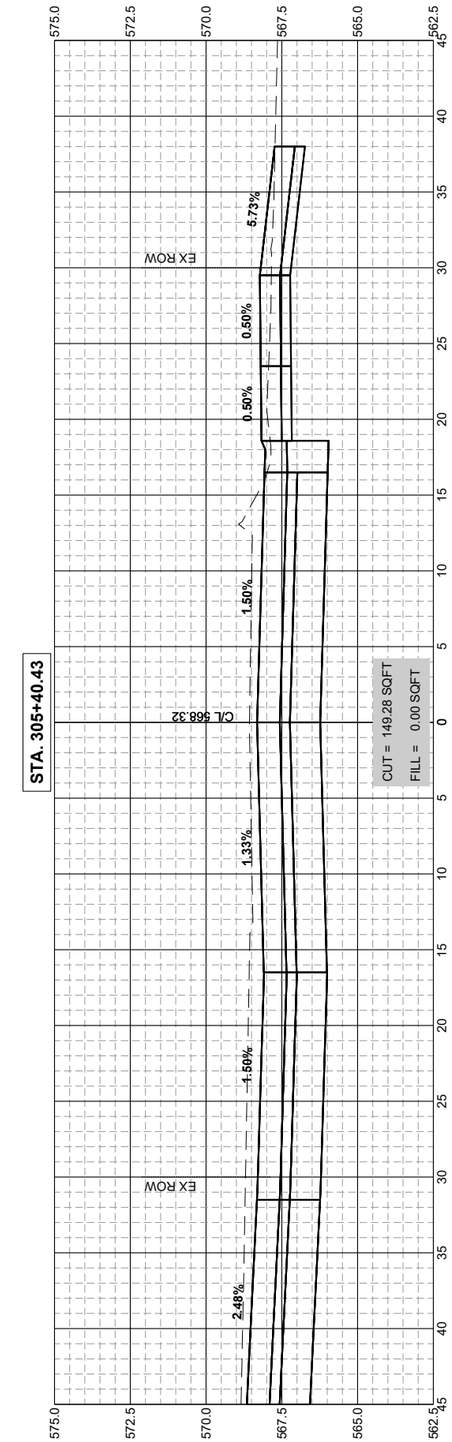

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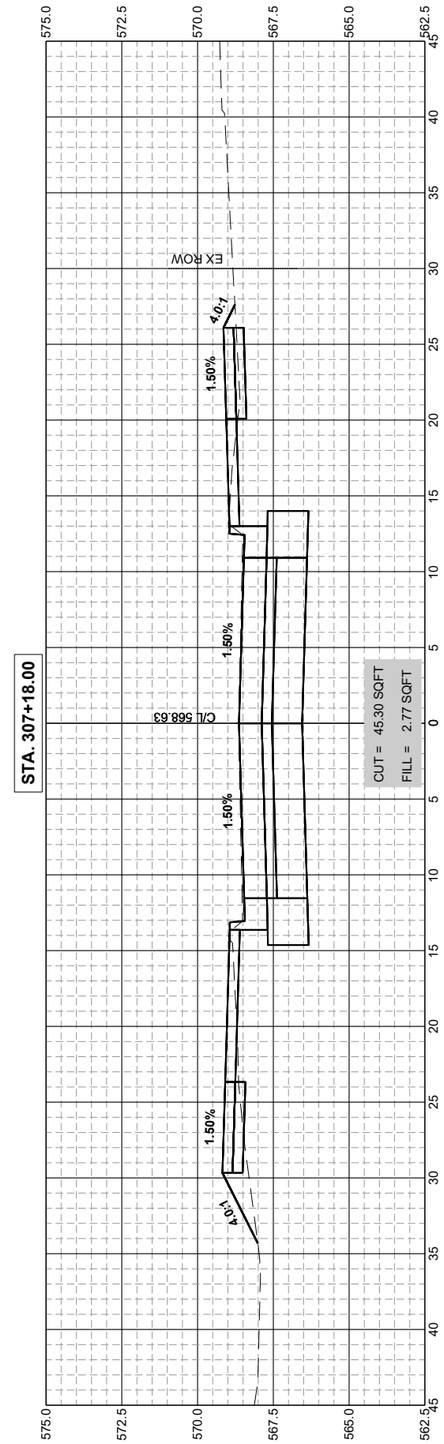
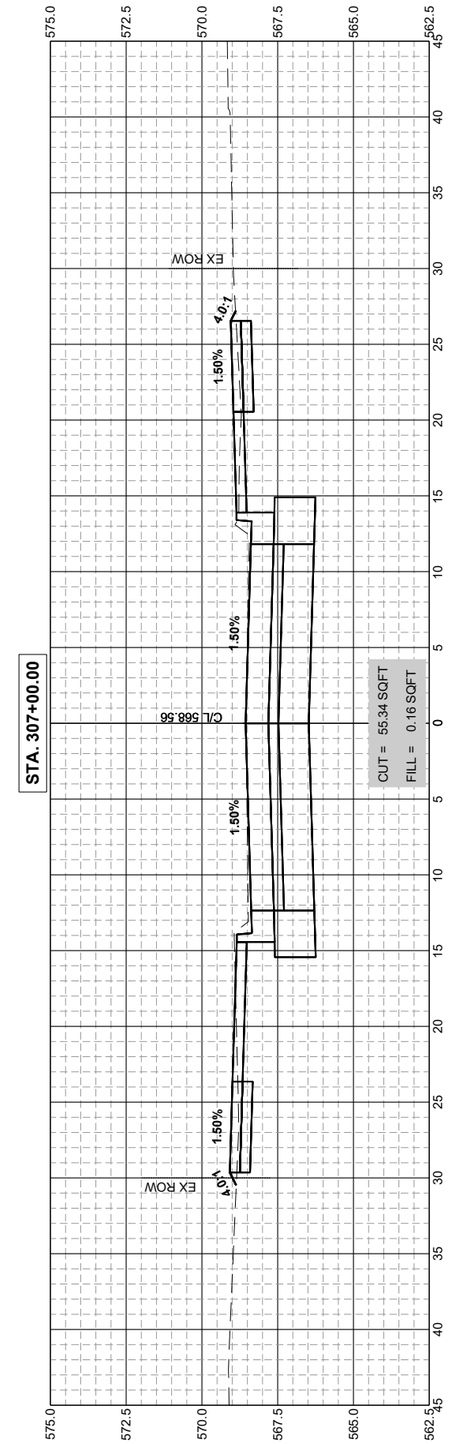
Hutchison Engineering, Inc.	DESIGNED BMP DATE: 10-29-25 DRAWN BMP CHECKED DJD PROJECT #: 5201	12TH AVENUE RECONSTRUCTION	CITY OF EAST MOLINE	CROSS SECTIONS (3RD ST)





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Hutchison Engineering, Inc.

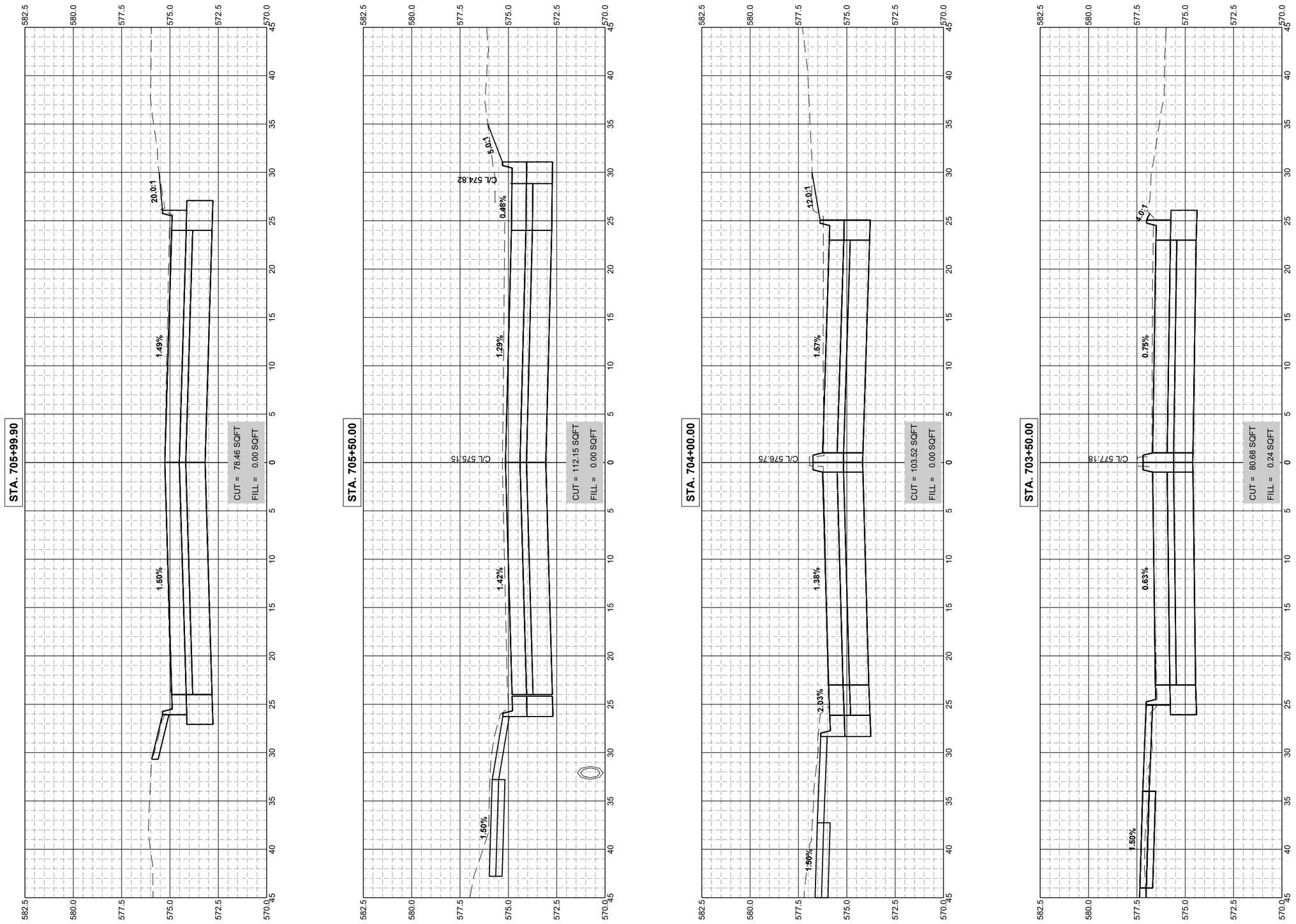
DESIGNED	BMP	DATE: 10-29-25
DRAWN	BMP	
CHECKED	DJD	
PROJECT #:	5201	

12TH AVENUE RECONSTRUCTION

CITY OF EAST MOLINE

CROSS SECTIONS (3RD ST)

Z:\5201 - Downtown Reconstruction - PH I-II (CMT - East Moline)\Design_CADD\CADD Drawings\5201 - Corridor.dwg



Hutchison Engineering, Inc.	DESIGNED BMP DATE 10-29-25 DRAWN BMP CHECKED DJD PROJECT #: 5201	12TH AVENUE RECONSTRUCTION	CITY OF EAST MOLINE	CROSS SECTIONS (7TH ST)	SHEET 214 OF 214