



# **Appendix E. Engineering Drawings**

## **(Part 4 of 10)**



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PLOT DATE: 7/19/2017 11:13:02 PM JKJELMA



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Chicago, IL 60631  
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South Bend, IN 46615

ISSUE	DATE	DESCRIPTION



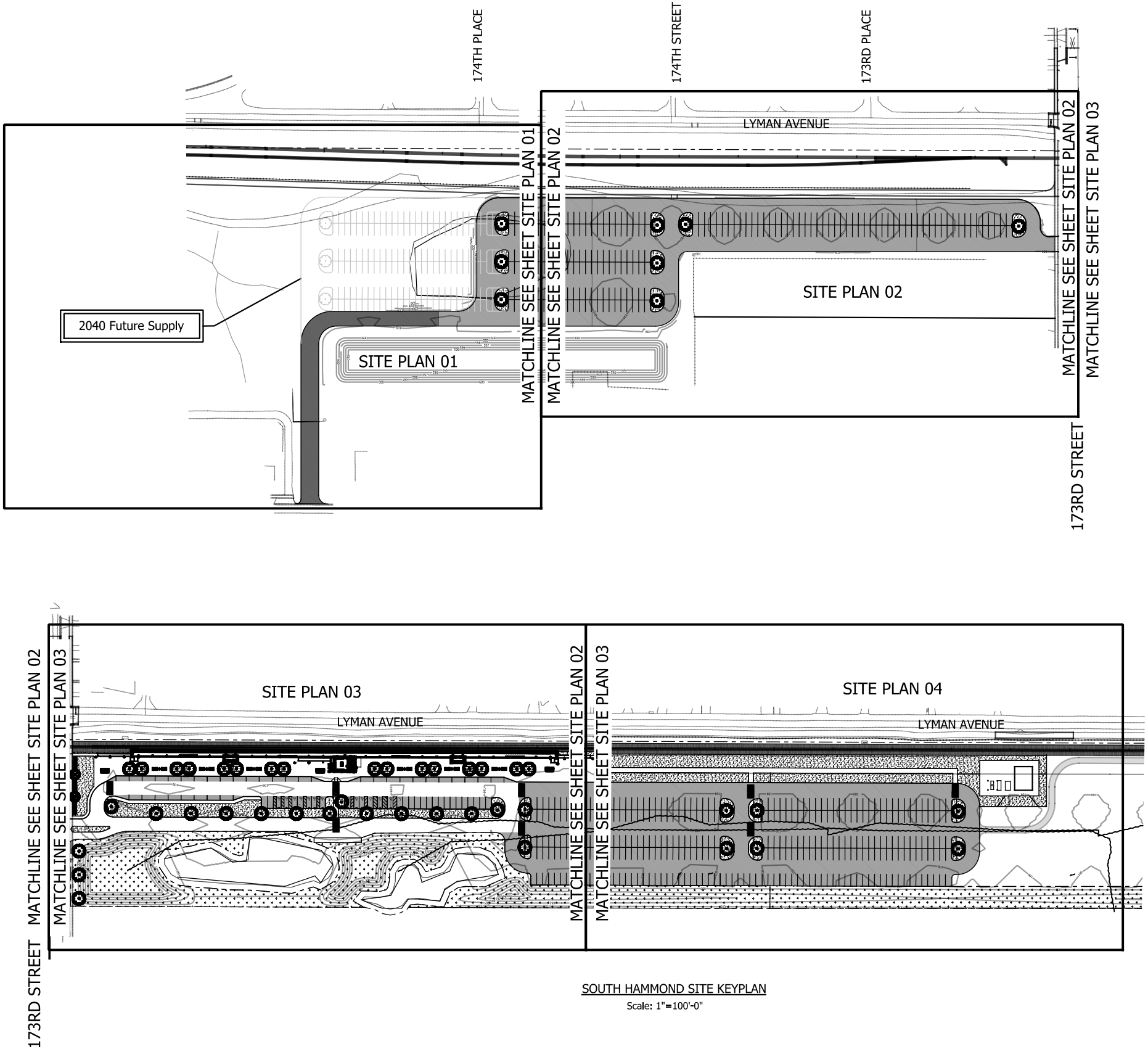
NORTHERN INDIANA COMMUTER  
TRANSPORTATION DISTRICT  
33 East Highway 12  
Chesterton, Indiana 46304



DYER TO HAMMOND, INDIANA

DESIGNED:	JKH
DRAWN:	CJS
CHECKED:	CGH
DATE:	07/21/17

<b>NOT FOR CONSTRUCTION</b>		SERIES C-3001
NICTD - WEST LAKE CORRIDOR - MP WL 61.38 TO WL 69.18 SINGLE TRACK		
<b>SOUTH HAMMOND SITE KEYPLAN FACILITY</b>		
FILENAME	SHT_WL_FA_SHS_KP_01.dgn	SHEET
SCALE	AS NOTED	<b>114 OF 361</b>



SOUTH HAMMOND SITE KEYPLAN  
Scale: 1"=100'-0"

PLOT DATE: 7/21/2017 9:01:36 AM JKE/LLMA



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South Bend, IN 46615

ISSUE	DATE	DESCRIPTION



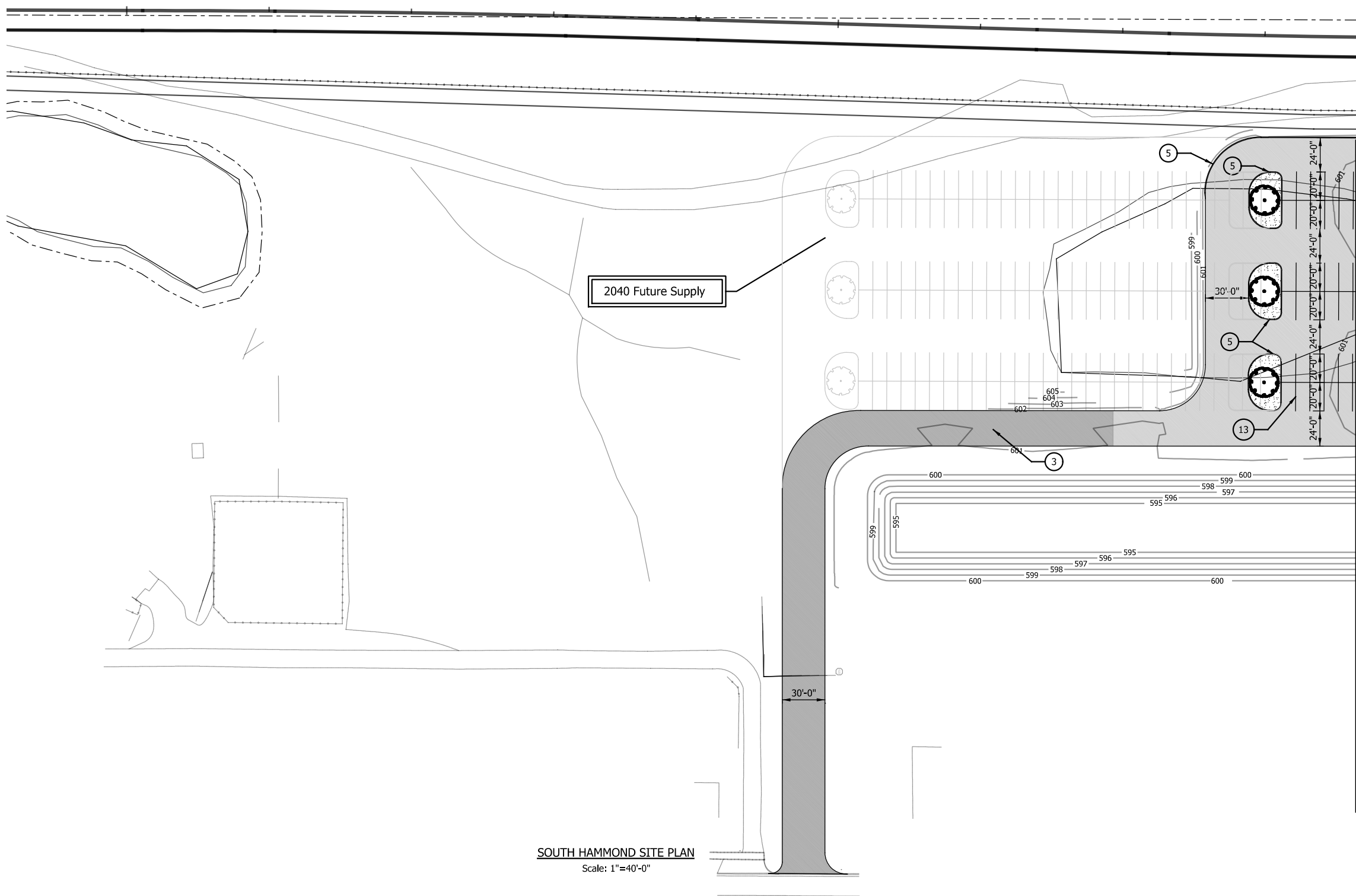
NORTHERN INDIANA COMMUTER  
TRANSPORTATION DISTRICT  
33 East Highway 12  
Chesterton, Indiana 46304



DYER TO HAMMOND, INDIANA

DESIGNED:	JKH
DRAWN:	CJS
CHECKED:	CGH
DATE:	07/21/17

<b>NOT FOR CONSTRUCTION</b>		SERIES C-3101
NICTD - WEST LAKE CORRIDOR - MP WL 61.38 TO WL 69.18 SINGLE TRACK		
<b>SOUTH HAMMOND SITE PLAN FACILITY</b>		
FILENAME	SHT_WL_FA_SHS_PL_01.dgn	SHEET
SCALE	AS NOTED	<b>115 OF 361</b>



GENERAL IMPROVEMENT NOTES

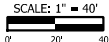
1. UTILITIES SHOWN ARE APPROXIMATE. FIELD VERIFY PRIOR TO CONSTRUCTION.
2. DIMENSIONS ARE TAKEN FROM THE FACE OF CURBS, WALLS AND/OR BUILDINGS UNLESS OTHERWISE NOTED.
3. ALL AREAS DISTURBED, NOT BUILT, PAVED OR OTHERWISE COVERED BY CONSTRUCTION, SHALL BE SEEDED WITH A PERMANENT TYPE TURFGRASS.
4. NOT ALL KEY NOTES USED ON EVERY SHEET.

SITE IMPROVEMENT KEY

1. CONCRETE PAVEMENT, TYPE 1
2. CONCRETE PAVEMENT, TYPE 2
3. ASPHALT PAVEMENT, TYPE 1
4. ASPHALT PAVEMENT, TYPE 2
5. CONCRETE CURB
6. OUTDOOR BENCH
7. OUTDOOR WASTE RECEPTACLE
8. ACCESSIBLE PARKING POST SIGN
9. ACCESSIBLE PARKING PAVEMENT MARKING
10. DECORATIVE CONCRETE PAVEMENT
11. BOLLARD
12. CONCRETE PARKING BLOCK
13. PAVEMENT MARKING - 4"
14. PAVEMENT MARKING HATCH - 4"@3' O.C., 45°
15. PAVEMENT MARKING CROSSWALK - 24"W, 8'L, @ 4' O.C.
16. DECORATIVE PICKET FENCE
17. LOUVERED SCREEN ENCLOSURE
18. DUMPSTER
19. UTILITY
20. COMPACTED AGGREGATE STORAGE
21. BALLAST
22. BICYCLE RACK
23. OUTDOOR TABLE WITH SEATING
24. CONCRETE CURB TURNOUT
25. ACCESSIBLE CURB RAMP
26. LOUVERED SCREEN GATE
27. MASONRY SEATWALL PLANTER

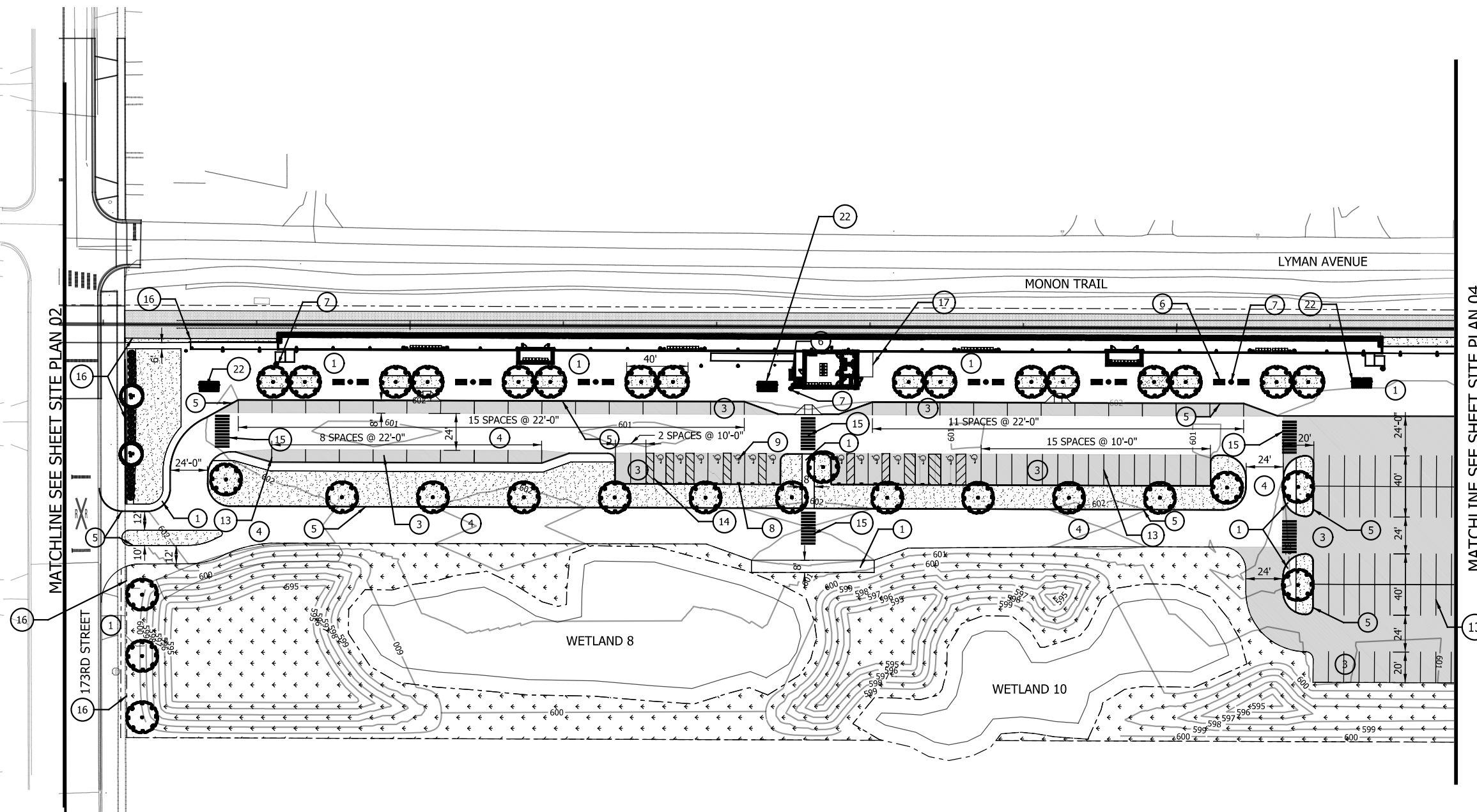
LANDSCAPE PLANTING LEGEND

- DECIDUOUS SHADE TREE
- DECIDUOUS ORNAMENTAL TREE
- EVERGREEN TREE
- SHRUB / PERENNIAL
- TURFGRASS SEEDING
- NATIVE GRASS/FORB SEEDING















SOUTH HAMMOND SITE PLAN  
Scale: 1"=40'-0"

- ### GENERAL IMPROVEMENT NOTES
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  3. ALL AREAS DISTURBED, NOT BUILT, PAVED OR OTHERWISE COVERED BY CONSTRUCTION, SHALL BE SEEDDED WITH A PERMANENT TYPE TURFGRASS.
  4. NOT ALL KEY NOTES USED ON EVERY SHEET.

### SITE IMPROVEMENT KEY

1. CONCRETE PAVEMENT, TYPE 1
2. CONCRETE PAVEMENT, TYPE 2
3. ASPHALT PAVEMENT, TYPE 1
4. ASPHALT PAVEMENT, TYPE 2
5. CONCRETE CURB
6. OUTDOOR BENCH
7. OUTDOOR WASTE RECEPTACLE
8. ACCESSIBLE PARKING POST SIGN
9. ACCESSIBLE PARKING PAVEMENT MARKING
10. DECORATIVE CONCRETE PAVEMENT
11. BOLLARD
12. CONCRETE PARKING BLOCK
13. PAVEMENT MARKING - 4"
14. PAVEMENT MARKING HATCH - 4" @ 3' O.C., 45°
15. PAVEMENT MARKING CROSSWALK - 24"W, 8'L, @ 4' O.C.
16. DECORATIVE PICKET FENCE
17. LOVERED SCREEN ENCLOSURE
18. DUMPSTER
19. UTILITY
20. COMPACTED AGGREGATE STORAGE
21. BALLAST (REFER TO TRACK DRAWINGS)
22. BICYCLE RACK
23. OUTDOOR TABLE WITH SEATING
24. CONCRETE CURB TURNOUT
25. ACCESSIBLE CURB RAMPS
26. LOVERED SCREEN GATE

## LANDSCAPE PLANTING LEGEND

- |                                                                                       |                           |
|---------------------------------------------------------------------------------------|---------------------------|
|  | DECIDUOUS SHADE TREE      |
|  | DECIDUOUS ORNAMENTAL TREE |
|  | EVERGREEN TREE            |
|  | SHRUB / PERENNIAL         |
|  | TURFGRASS SEEDING         |
|  | NATIVE GRASS/FORB SEEDING |

[illegible]

DESIGNED:	JKH
DRAWN:	CJS
CHECKED:	CGH
DATE:	07/21/17



GENERAL IMPROVEMENT NOTES

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4. NOT ALL KEY NOTES USED ON EVERY SHEET.

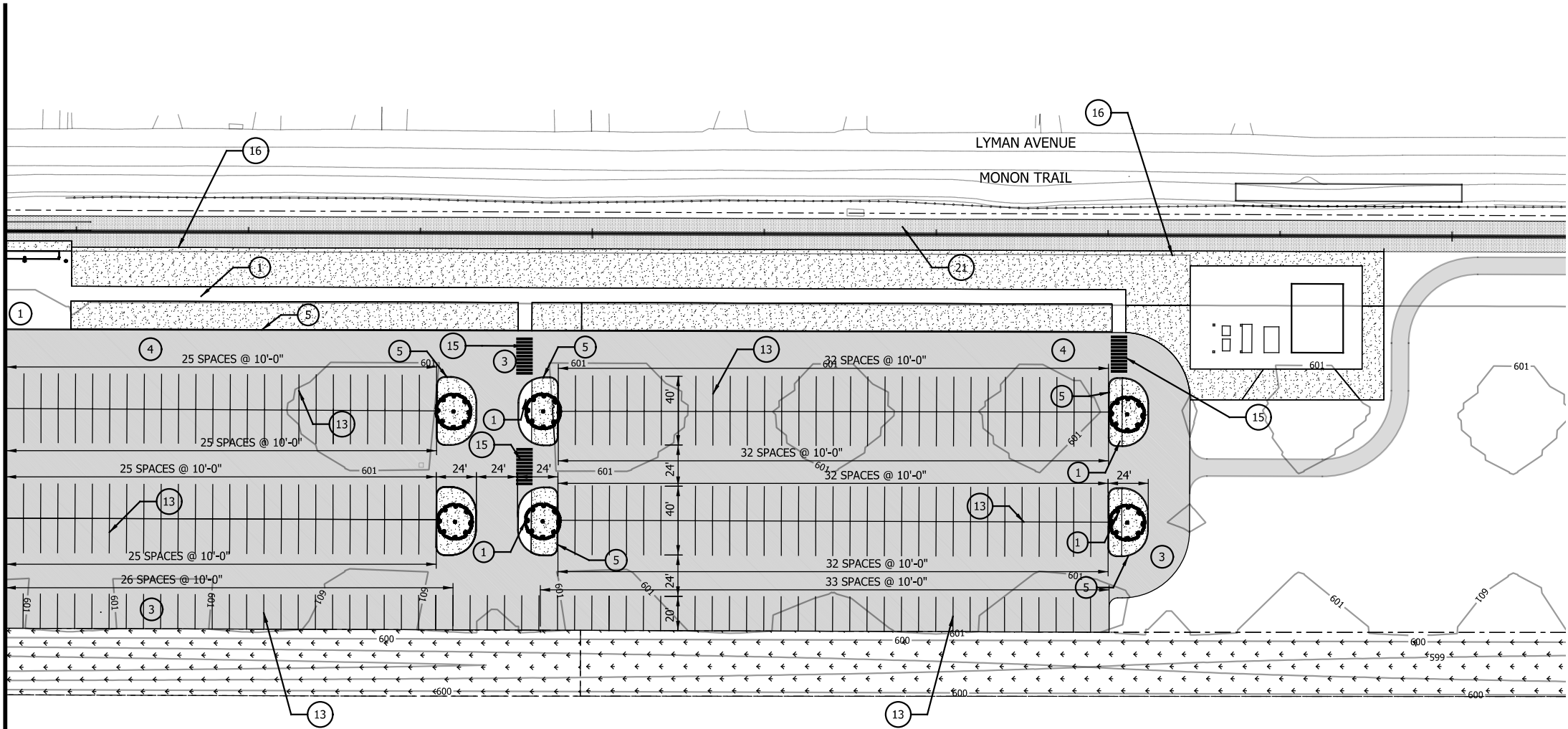
SITE IMPROVEMENT KEY

1. CONCRETE PAVEMENT, TYPE 1
2. CONCRETE PAVEMENT, TYPE 2
3. ASPHALT PAVEMENT, TYPE 1
4. ASPHALT PAVEMENT, TYPE 2
5. CONCRETE CURB
6. OUTDOOR BENCH
7. OUTDOOR WASTE RECEPTACLE
8. ACCESSIBLE PARKING POST SIGN
9. ACCESSIBLE PARKING PAVEMENT MARKING
10. DECORATIVE CONCRETE PAVEMENT
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16. DECORATIVE PICKET FENCE
17. LOUVERED SCREEN ENCLOSURE
18. DUMPSTER
19. UTILITY
20. COMPACTED AGGREGATE STORAGE
21. BALLAST (REFER TO TRACK DRAWINGS)
22. BICYCLE RACK
23. OUTDOOR TABLE WITH SEATING
24. CONCRETE CURB TURNOUT
25. ACCESSIBLE CURB RAMP
26. LOUVERED SCREEN GATE

LANDSCAPE PLANTING LEGEND

- DECIDUOUS SHADE TREE
- DECIDUOUS ORNAMENTAL TREE
- EVERGREEN TREE
- SHRUB / PERENNIAL
- TURFGRASS SEEDING
- NATIVE GRASS/FORB SEEDING

MATCHLINE SEE SHEET SITE PLAN 01



SOUTH HAMMOND SITE PLAN  
Scale: 1"=40'-0"

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

PLOT DATE: 7/21/2017 9:05:01 AM  
JKJELMA



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33 East Highway 12  
Chesterton, Indiana 46304



DYER TO HAMMOND, INDIANA

DESIGNED:	JKH
DRAWN:	CJS
CHECKED:	CGH
DATE:	07/21/17

NOT FOR CONSTRUCTION

SERIES  
C-3104

NICTD - WEST LAKE CORRIDOR - MP WL 61.38 TO WL 69.18  
SINGLE TRACK

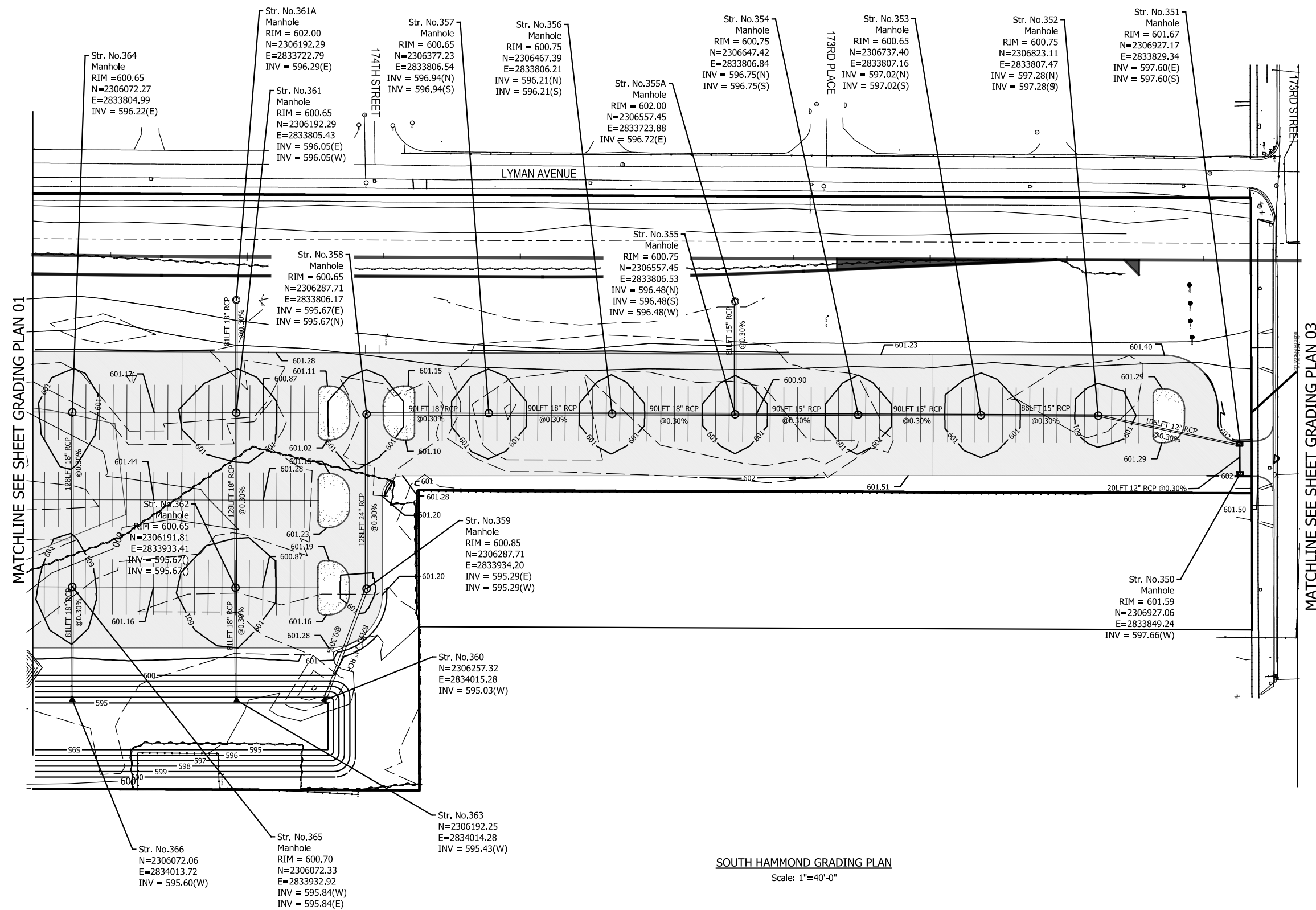
SOUTH HAMMOND SITE PLAN  
FACILITY

FILENAME	SHT_WL_FA_SHS_PL_04.dgn
SCALE	AS NOTED






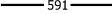


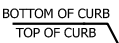

SHEET  
118 OF 361







- ## GENERAL GRADING/DRAINAGE NOTES
- A. PROPOSED GRADES AND SLOPES SHALL MATCH EXISTING GRADES AND SLOPES AT CONSTRUCTION LIMITS OR AS SHOWN ON DRAWING, TYP.
  - B. UTILITIES AND UNDERGROUND OBSTACLES SHOWN ARE APPROXIMATE, FIELD VERIFY UTILITY LOCATION PRIOR TO COMMENCEMENT OF EARTHWORK AND/OR UTILITY ACTIVITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO OBSTRUCTIONS AND UTILITY LINES ENCOUNTERED DURING CONSTRUCTION.
  - C. PROPOSED FINISHED GRADES SHALL PROVIDE FOR POSITIVE DRAINAGE TO A DRAINAGE STRUCTURE OR DETENTION POND.
  - D. NO OPEN TRENCHES WILL BE ALLOWED IN THE EVENING AFTER DAILY CONSTRUCTION OPERATIONS. CONTRACTOR TO PROVIDE CONSTRUCTION FENCING AROUND ANY TRENCHING AREA FOR PUBLIC SAFETY.
  - E. CONTRACTOR SHALL FILL LOW/DEPRESSIONAL GRADES WHICH MAY OCCUR THROUGH REQUIRED DEMOLITION, AS WELL AS, ANY AREA WITHIN THE GRADING LIMITS, SO AS TO PROVIDE CONSTANT UNIFORM SLOPES WHICH MEET THE REQUIREMENTS.

- ## GRADING LEGEND
- |                                                                                       |                          |
|---------------------------------------------------------------------------------------|--------------------------|
|  | New Drainage Pipe        |
|  | New Drainage Inlet       |
|  | New Drainage End Section |
|  | New Drainage Manhole     |
|  | Proposed Contours        |
|  |                          |
|  | Existing Contours        |
|  |                          |
|  | Spot Elevations          |
|  | Spot Elevations          |

SCALE: 1" = 40'

PLOT DATE: 7/19/2017  
11:15:40 PM  
JKJELLMA

[illegible]

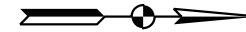
DESIGNED:	JKH
DRAWN:	DPH
CHECKED:	CGH
DATE:	07/21/17

**NOT FOR CONSTRUCTION** SERIES C-3106

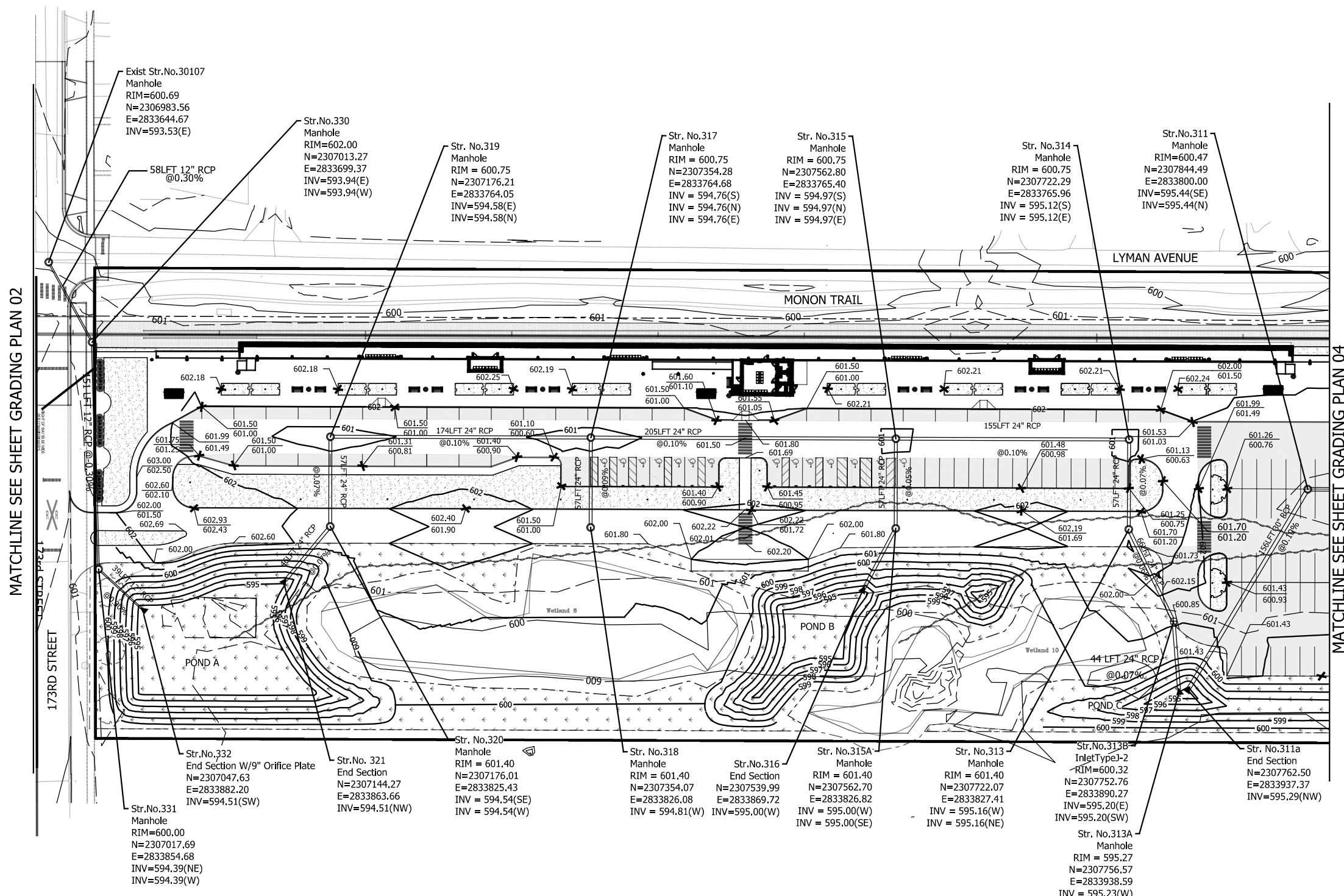
NICTD - WEST LAKE CORRIDOR - MP WL 61.38 TO WL 69.18  
SINGLE TRACK

# SOUTH HAMMOND GRADING FACILITY

FILENAME	SHT_WL_FA_SHS_GD_02.dgn	SHEET <b>120 OF 361</b>
SCALE	AS NOTED	



- GENERAL GRADING/DRAINAGE NOTES**
- A. PROPOSED GRADES AND SLOPES SHALL MATCH EXISTING GRADES AND SLOPES AT CONSTRUCTION LIMITS OR AS SHOWN ON DRAWING, TYP.
  - B. UTILITIES AND UNDERGROUND OBSTACLES SHOWN ARE APPROXIMATE, FIELD VERIFY UTILITY LOCATION PRIOR TO COMMENCEMENT OF EARTHWORK AND/OR UTILITY ACTIVITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO OBSTRUCTIONS AND UTILITY LINES ENCOUNTERED DURING CONSTRUCTION.
  - C. PROPOSED FINISHED GRADES SHALL PROVIDE FOR POSITIVE DRAINAGE TO A DRAINAGE STRUCTURE OR DETENTION POND.
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  - E. CONTRACTOR SHALL FILL LOW/DEPRESSIONAL GRADES WHICH MAY OCCUR THROUGH REQUIRED DEMOLITION, AS WELL AS, ANY AREA WITHIN THE GRADING LIMITS, SO AS TO PROVIDE CONSTANT UNIFORM SLOPES WHICH MEET THE REQUIREMENTS.



**SOUTH HAMMOND GRADING PLAN**  
Scale: 1"=40'-0"

- GRADING LEGEND**
- New Drainage Pipe
  - New Drainage Inlet
  - New Drainage End Section
  - New Drainage Manhole
  - Proposed Contours
  - Existing Contours
  - Spot Elevations
  - BOTTOM OF CURB
  - TOP OF CURB
  - Spot Elevations

SCALE: 1" = 40'

PLOT DATE: 7/19/2017 11:16:12 PM JKELLMA

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www.hdrinc.com

**DLZ**  
DLZ Indiana, LLC  
2211 E. Jefferson Boulevard  
South Bend, IN 46615

ISSUE	DATE	DESCRIPTION

**NICD**  
NORTHERN INDIANA COMMUTER  
TRANSPORTATION DISTRICT  
33 East Highway 12  
Chesterton, Indiana 46304

**WEST LAKE**  
CORRIDOR  
DYER TO HAMMOND, INDIANA

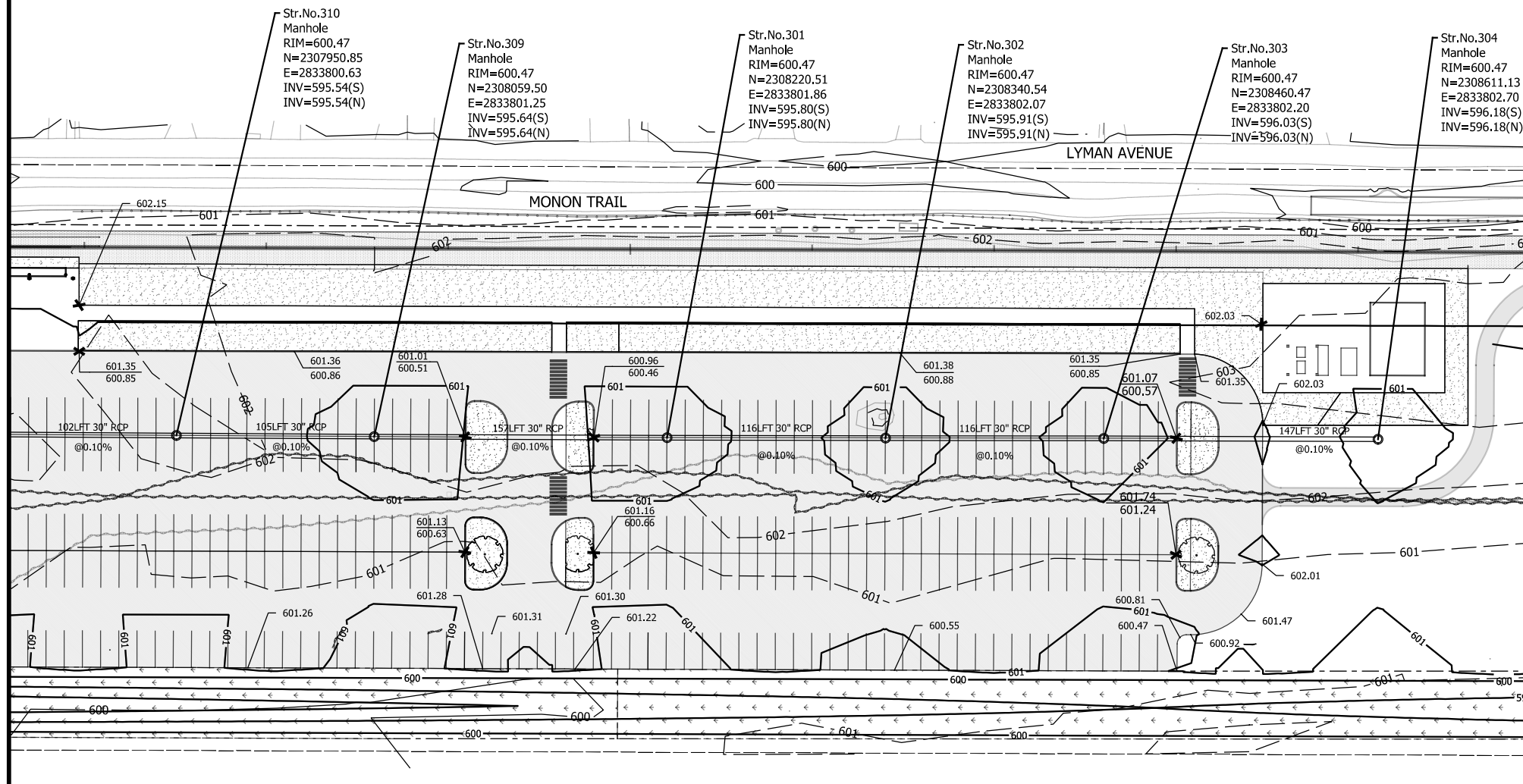
DESIGNED:	JKH
DRAWN:	DPH
CHECKED:	CGH
DATE:	07/21/17

**NOT FOR CONSTRUCTION** SERIES C-3107  
NICTD - WEST LAKE CORRIDOR - MP WL 61.38 TO WL 69.18  
SINGLE TRACK  
**SOUTH HAMMOND GRADING FACILITY**  
FILENAME: SHT\_WL\_FA\_SHS\_GD\_03.dgn SHEET: 121 OF 361  
SCALE: AS NOTED







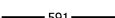





- MATCHLINE SEE SHEET GRADING PLAN 03



### GRADING LEGEND

- |                                                                                       |                          |
|---------------------------------------------------------------------------------------|--------------------------|
|  | New Drainage Pipe        |
|  | New Drainage Inlet       |
|  | New Drainage End Section |
|  | New Drainage Manhole     |
|  | Proposed Contours        |
|  | Existing Contours        |
|  | Spot Elevations          |
|  | Spot Elevations          |

SOUTH HAMMOND GRADING PLAN  
Scale: 1"=40'-0"

PLOT DATE: 7/19/2017 11:16:43 PM JKJELLMA

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2211 E. Jefferson Boulevard  
South Bend, IN 46615

[illegible]

NORTHERN INDIANA COMMUTER  
TRANSPORTATION DISTRICT  
33 East Highway 12  
Chesterton, Indiana 46304

DYER TO HAMMOND, INDIANA

DESIGNED:	JKH
DRAWN:	DPH
CHECKED:	CGH
DATE:	07/21/17

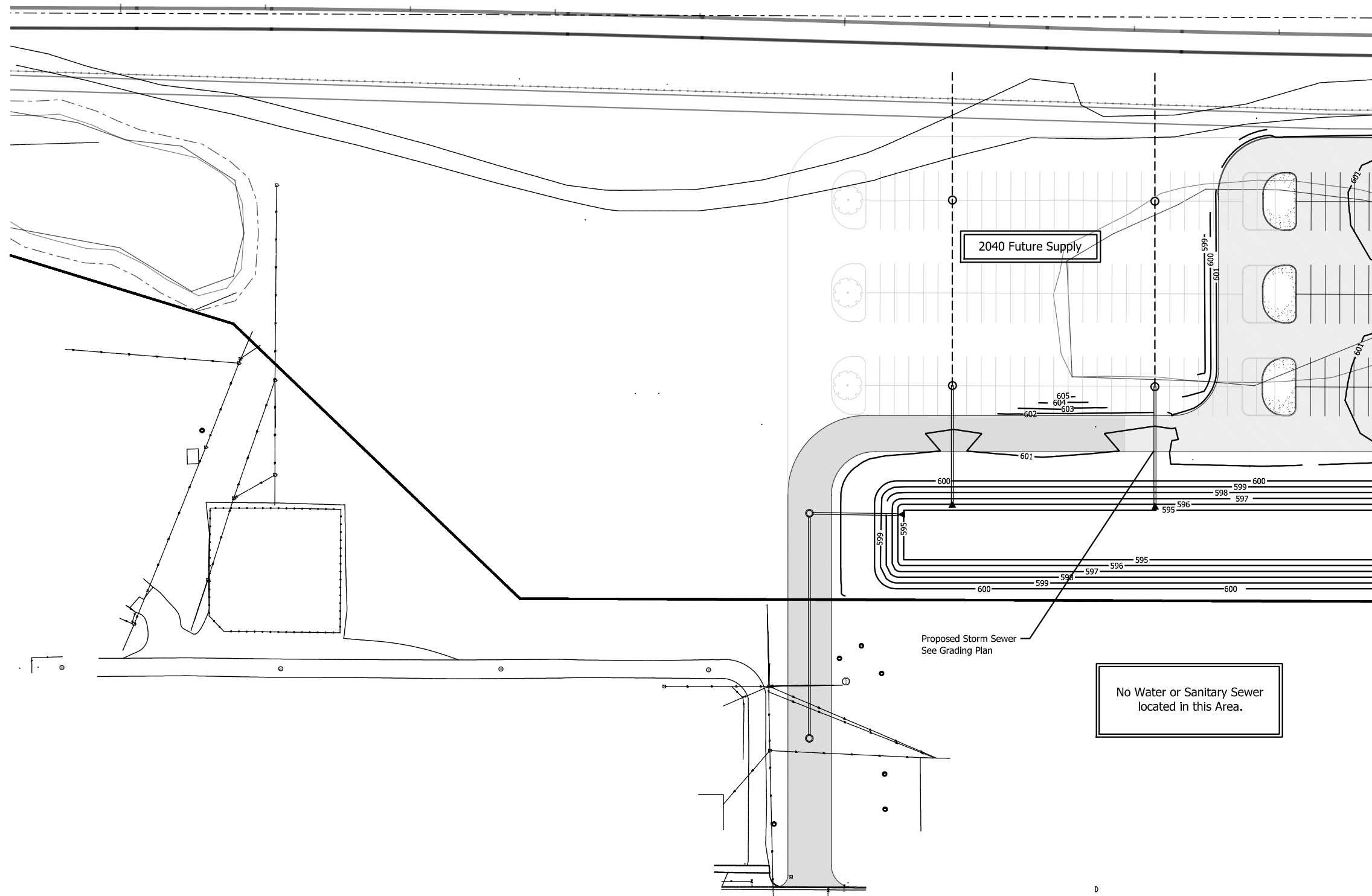
**NOT FOR CONSTRUCTION**

SERIES  
C-3108

NICTD - WEST LAKE CORRIDOR - MP WL 61.38 TO WL 69.18  
SINGLE TRACK

## SOUTH HAMMOND GRADING FACILITY

FILENAME	SHT_WL_FA_SHS_GD_04.dgn	SHEET <b>122 OF 361</b>
SCALE	AS NOTED	



GENERAL UTILITY NOTES

- A. UTILITIES SHOWN ARE APPROXIMATE. FIELD VERIFY PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO OBSTRUCTIONS AND UTILITY LINES ENCOUNTERED DURING CONSTRUCTION.
- B. COORDINATE ALL UTILITY CONNECTIONS WITH CORRESPONDING COMPANIES AT LEAST 48 HOURS IN ADVANCE PRIOR TO EXCAVATING.
- C. NO OPEN TRENCHES WILL BE ALLOWED IN THE EVENING AFTER DAILY CONSTRUCTION OPERATIONS. CONTRACTOR TO PROVIDE CONSTRUCTION FENCING AROUND ANY TRENCHING AREA FOR PUBLIC SAFETY.
- D. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DEWATERING NECESSARY. WATER REMOVED BY DEWATERING EQUIPMENT SHALL NOT BE DISPOSED OF INTO EXISTING SANITARY SEWER.
- E. ALL WATER MAIN SHALL BE INSTALLED A MINIMUM OF 5 FEET BELOW PROPOSED GRADE UNLESS OTHERWISE NOTED.
- F. CONTRACTOR SHALL COORDINATE WITH THE CITY OF HAMMOND WATER DEPARTMENT FOR CONNECTION TO THE EXISTING WATER SERVICE.
- G. CONTRACTOR SHALL COORDINATE WITH THE CITY OF HAMMOND SEWER DEPARTMENT FOR CONNECTION TO THE EXISTING SEWER.
- H. WHEN EXCAVATING NEAR UTILITIES, CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPORTING, BRACING, OR SHORING AS REQUIRED TO PREVENT DAMAGE TO UTILITIES.
- I. CONTRACTOR SHALL DEFLECT THE WATER MAIN TO AVOID CONFLICTS WITH THE SANITARY AND STORM SEWERS. THE MAXIMUM SEPARATION BETWEEN THE WATER MAIN AND THE SEWER SHALL BE MAINTAINED.
- J. GAS MAIN INSTALLATION AND CONNECTION SHALL BE COORDINATED WITH NIPSCO.

UTILITY LEGEND

- New Water Main
- New Gas Main
- SAN — New Sanitary Sewer
- w — Ex. Water Main
- ==== SAN ==== Ex. Sanitary Sewer
- G — Ex. Gas Main

SOUTH HAMMOND UTILITY PLAN  
Scale: 1"=40'-0"

SCALE: 1" = 40'

PLOT DATE: 7/19/2017 11:17:12 PM JKJELMA



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ISSUE	DATE	DESCRIPTION



NORTHERN INDIANA COMMUTER  
TRANSPORTATION DISTRICT  
33 East Highway 12  
Chesterton, Indiana 46304



DYER TO HAMMOND, INDIANA

DESIGNED:	SMK
DRAWN:	DPH
CHECKED:	JP
DATE:	07/21/17

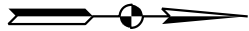
NOT FOR CONSTRUCTION

SERIES C-3109

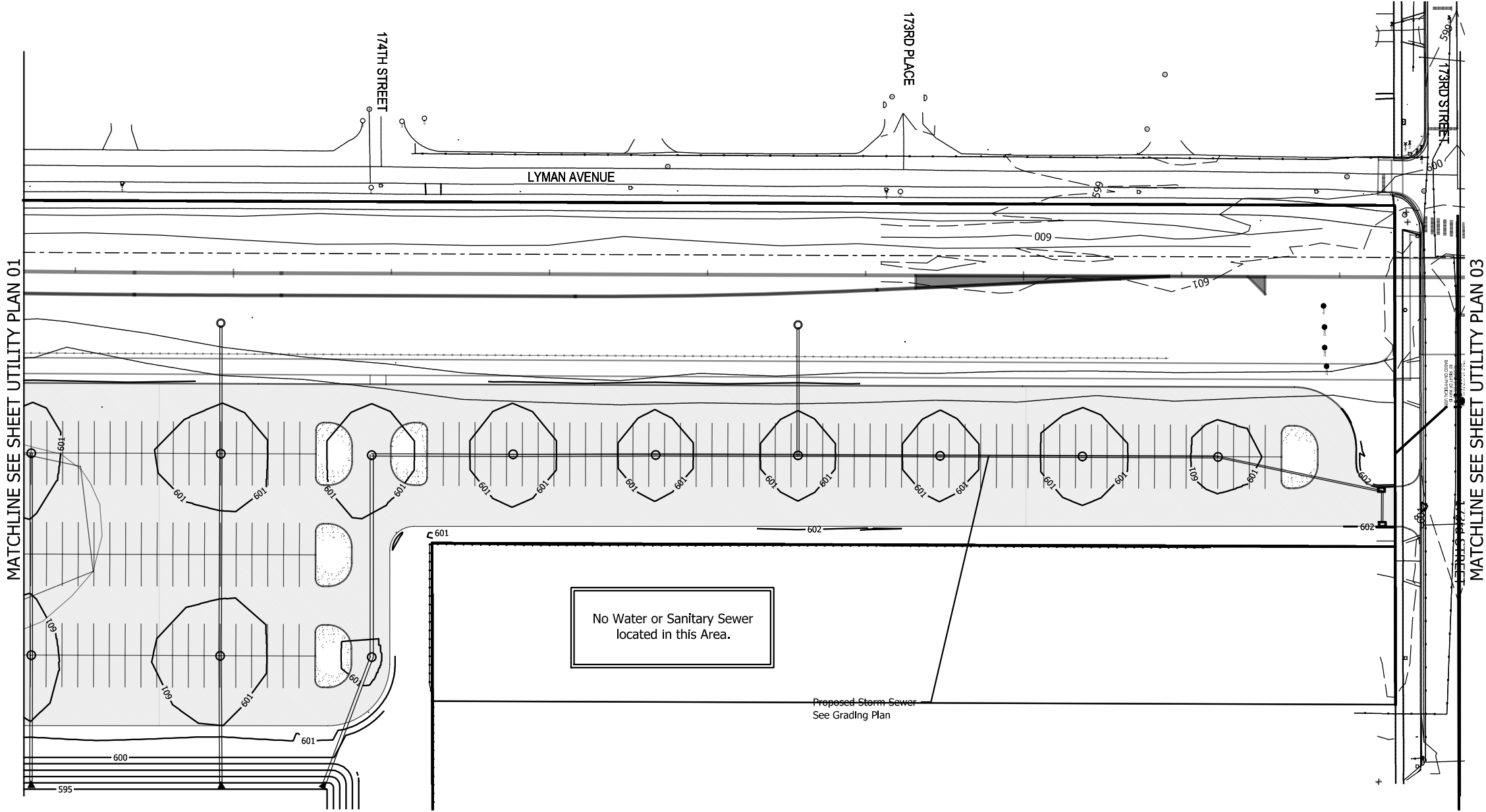
NICTD - WEST LAKE CORRIDOR - MP WL 61.38 TO WL 69.18  
SINGLE TRACK

SOUTH HAMMOND UTILITY PLAN  
FACILITY

FILENAME	SHT_WL_FA_SHS_UT_01.dgn	SHEET
SCALE	AS NOTED	123 OF 361

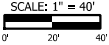


- GENERAL UTILITY NOTES**
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  - D. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DEWATERING NECESSARY. WATER REMOVED BY DEWATERING EQUIPMENT SHALL NOT BE DISPOSED OF INTO EXISTING SANITARY SEWER.
  - E. ALL WATER MAIN SHALL BE INSTALLED A MINIMUM OF 5 FEET BELOW PROPOSED GRADE UNLESS OTHERWISE NOTED.
  - F. CONTRACTOR SHALL COORDINATE WITH THE CITY OF HAMMOND WATER DEPARTMENT FOR CONNECTION TO THE EXISTING WATER SERVICE.
  - G. CONTRACTOR SHALL COORDINATE WITH THE CITY OF HAMMOND SEWER DEPARTMENT FOR CONNECTION TO THE EXISTING SEWER.
  - H. WHEN EXCAVATING NEAR UTILITIES, CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPORTING, BRACING, OR SHORING AS REQUIRED TO PREVENT DAMAGE TO UTILITIES.
  - I. CONTRACTOR SHALL DEFLECT THE WATER MAIN TO AVOID CONFLICTS WITH THE SANITARY AND STORM SEWERS. THE MAXIMUM SEPARATION BETWEEN THE WATER MAIN AND THE SEWER SHALL BE MAINTAINED.
  - J. GAS MAIN INSTALLATION AND CONNECTION SHALL BE COORDINATED WITH NIPSCO.



**SOUTH HAMMOND UTILITY PLAN**  
Scale: 1"=40'-0"

- UTILITY LEGEND**
- New Water Main
  - New Gas Main
  - New Sanitary Sewer
  - Ex. Water Main
  - Ex. Sanitary Sewer
  - Ex. Gas Main



PLOT DATE: 7/19/2017 11:17:45 PM JKJEL/MA

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**NICTD**  
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CORRIDOR**  
DYER TO HAMMOND, INDIANA

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<b>NOT FOR CONSTRUCTION</b>		SERIES C-3110
NICTD - WEST LAKE CORRIDOR - MP WL 61.38 TO WL 69.18 SINGLE TRACK		
<b>SOUTH HAMMOND UTILITY PLAN FACILITY</b>		
FILENAME	SHT_WL_FA_SHS_UT_02.dgn	SHEET
SCALE	AS NOTED	<b>124 OF 361</b>



PLOT DATE: 7/19/2017 11:18:07 PM JKJELMA



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Chesterton, Indiana 46304



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DESIGNED:	JKH
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DATE:	07/21/17

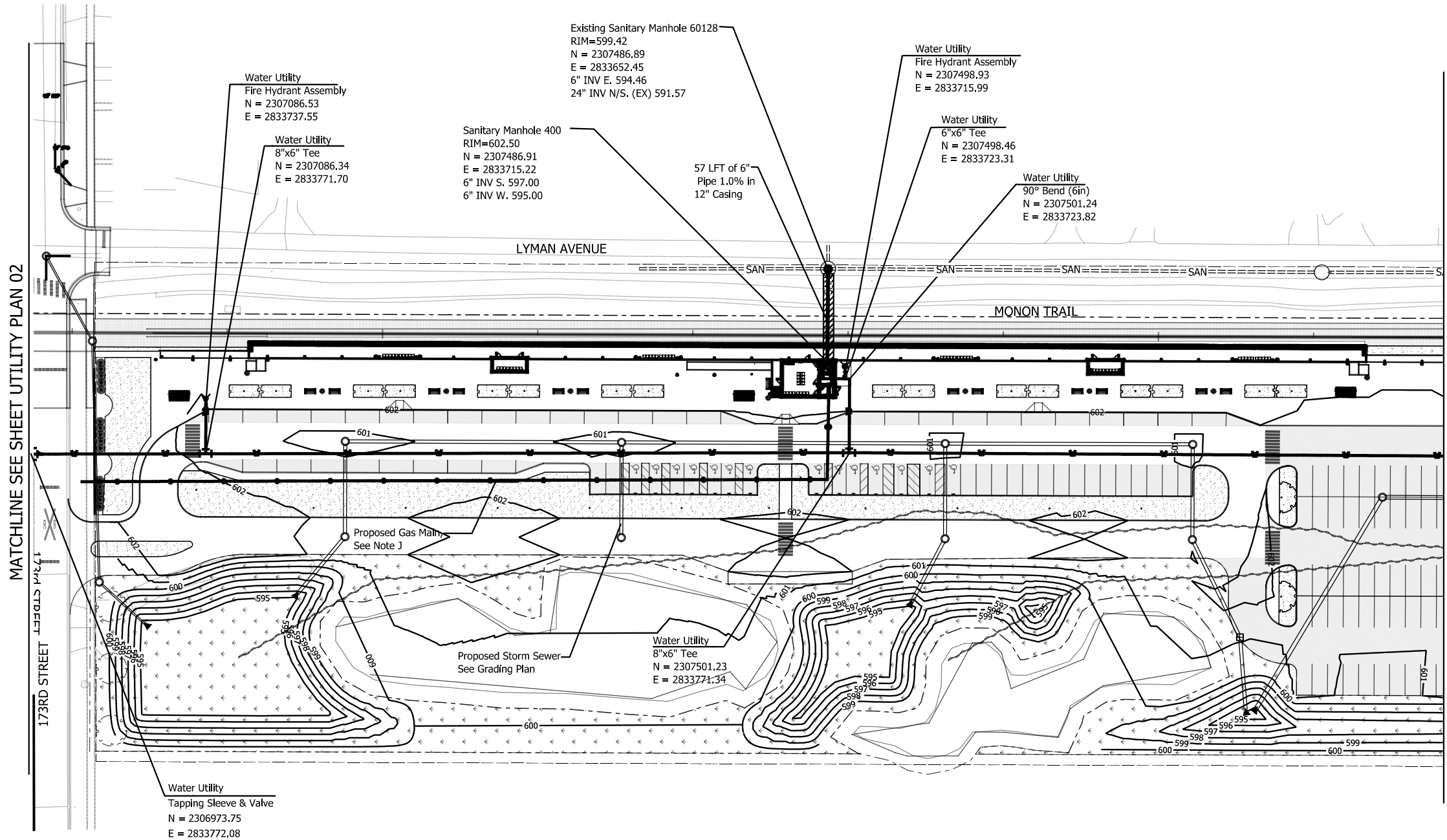
NOT FOR CONSTRUCTION

SERIES  
C-3111

NICTD - WEST LAKE CORRIDOR - MP WL 61.38 TO WL 69.18  
SINGLE TRACK

SOUTH HAMMOND UTILITY PLAN  
FACILITY

FILENAME	SHT_WL_FA_SHS_UT_03.dgn	SHEET
SCALE	AS NOTED	125 OF 361

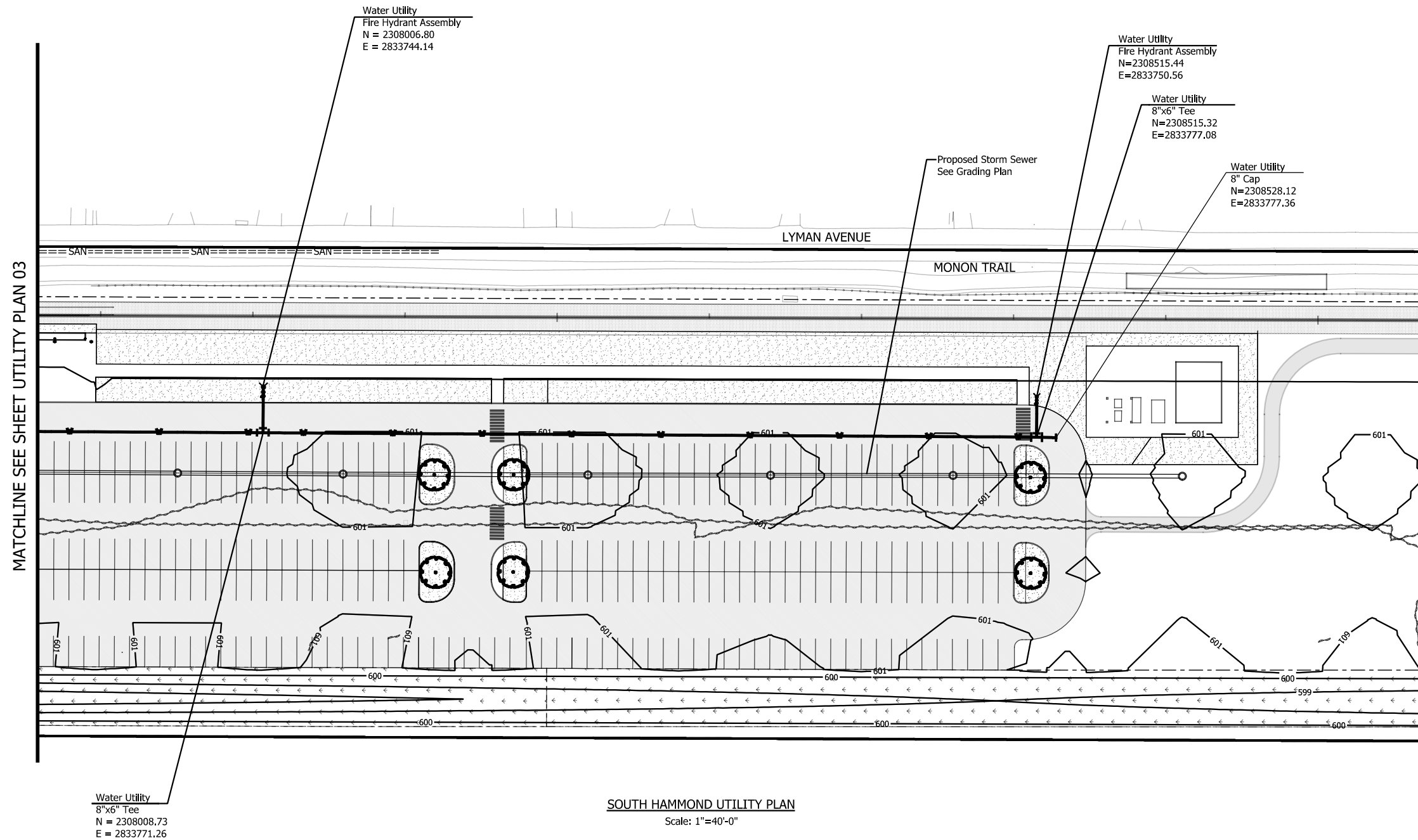


SOUTH HAMMOND UTILITY PLAN  
Scale: 1"=40'-0"

- GENERAL UTILITY NOTES
- UTILITIES SHOWN ARE APPROXIMATE. FIELD VERIFY PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO OBSTRUCTIONS AND UTILITY LINES ENCOUNTERED DURING CONSTRUCTION.
  - COORDINATE ALL UTILITY CONNECTIONS WITH CORRESPONDING COMPANIES AT LEAST 48 HOURS IN ADVANCE PRIOR TO EXCAVATING.
  - NO OPEN TRENCHES WILL BE ALLOWED IN THE EVENING AFTER DAILY CONSTRUCTION OPERATIONS. CONTRACTOR TO PROVIDE CONSTRUCTION FENCING AROUND ANY TRENCHING AREA FOR PUBLIC SAFETY.
  - CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DEWATERING NECESSARY. WATER REMOVED BY DEWATERING EQUIPMENT SHALL NOT BE DISPOSED OF INTO EXISTING SANITARY SEWER.
  - ALL WATER MAIN SHALL BE INSTALLED A MINIMUM OF 5 FEET BELOW PROPOSED GRADE UNLESS OTHERWISE NOTED.
  - CONTRACTOR SHALL COORDINATE WITH THE CITY OF HAMMOND WATER DEPARTMENT FOR CONNECTION TO THE EXISTING WATER SERVICE.
  - CONTRACTOR SHALL COORDINATE WITH THE CITY OF HAMMOND SEWER DEPARTMENT FOR CONNECTION TO THE EXISTING SEWER.
  - WHEN EXCAVATING NEAR UTILITIES, CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPORTING, BRACING, OR SHORING AS REQUIRED TO PREVENT DAMAGE TO UTILITIES.
  - CONTRACTOR SHALL DEFLECT THE WATER MAIN TO AVOID CONFLICTS WITH THE SANITARY AND STORM SEWERS. THE MAXIMUM SEPARATION BETWEEN THE WATER MAIN AND THE SEWER SHALL BE MAINTAINED.
  - GAS MAIN INSTALLATION AND CONNECTION SHALL BE COORDINATED WITH NIPSCO.

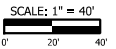
UTILITY LEGEND

	New Water Main
	New Gas Main
	New Sanitary Sewer
	Ex. Water Main
	Ex. Sanitary Sewer
	Ex. Gas Main



- GENERAL UTILITY NOTES**
- A. UTILITIES SHOWN ARE APPROXIMATE. FIELD VERIFY PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO OBSTRUCTIONS AND UTILITY LINES ENCOUNTERED DURING CONSTRUCTION.
  - B. COORDINATE ALL UTILITY CONNECTIONS WITH CORRESPONDING COMPANIES AT LEAST 48 HOURS IN ADVANCE PRIOR TO EXCAVATING.
  - C. NO OPEN TRENCHES WILL BE ALLOWED IN THE EVENING AFTER DAILY CONSTRUCTION OPERATIONS. CONTRACTOR TO PROVIDE CONSTRUCTION FENCING AROUND ANY TRENCHING AREA FOR PUBLIC SAFETY.
  - D. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DEWATERING NECESSARY. WATER REMOVED BY DEWATERING EQUIPMENT SHALL NOT BE DISPOSED OF INTO EXISTING SANITARY SEWER.
  - E. ALL WATER MAIN SHALL BE INSTALLED A MINIMUM OF 5 FEET BELOW PROPOSED GRADE UNLESS OTHERWISE NOTED.
  - F. CONTRACTOR SHALL COORDINATE WITH THE CITY OF HAMMOND WATER DEPARTMENT FOR CONNECTION TO THE EXISTING WATER SERVICE.
  - G. CONTRACTOR SHALL COORDINATE WITH THE CITY OF HAMMOND SEWER DEPARTMENT FOR CONNECTION TO THE EXISTING SEWER.
  - H. WHEN EXCAVATING NEAR UTILITIES, CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPORTING, BRACING, OR SHORING AS REQUIRED TO PREVENT DAMAGE TO UTILITIES.
  - I. CONTRACTOR SHALL DEFLECT THE WATER MAIN TO AVOID CONFLICTS WITH THE SANITARY AND STORM SEWERS. THE MAXIMUM SEPARATION BETWEEN THE WATER MAIN AND THE SEWER SHALL BE MAINTAINED.
  - J. GAS MAIN INSTALLATION AND CONNECTION SHALL BE COORDINATED WITH NIPSCO.

- UTILITY LEGEND**
- +— New Water Main
  - New Gas Main
  - SAN— New Sanitary Sewer
  - w— Ex. Water Main
  - ====SAN==== Ex. Sanitary Sewer
  - g— Ex. Gas Main



PLOT DATE: 7/19/2017 11:18:39 PM JKJELLM



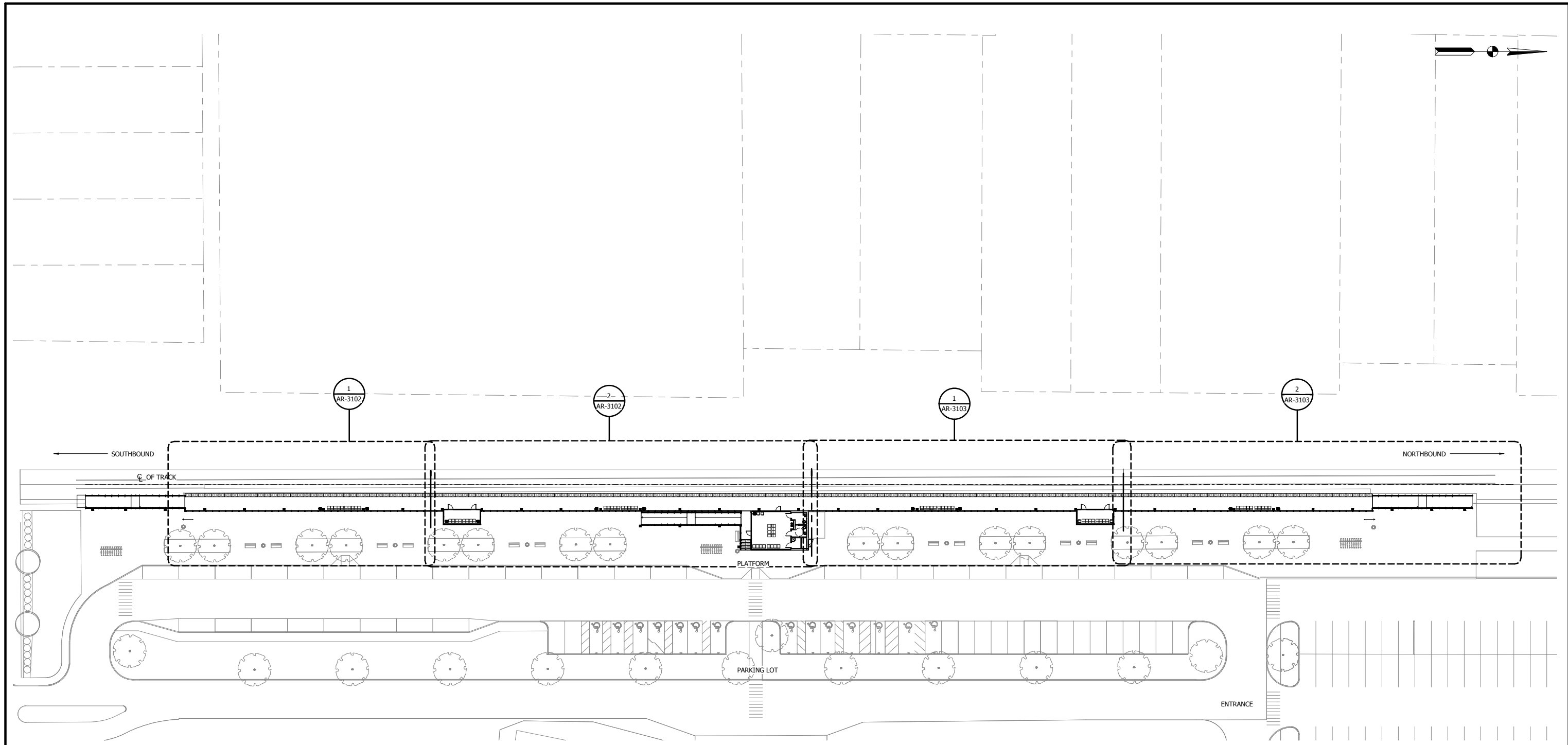
ISSUE	DATE	DESCRIPTION



DESIGNED:	JKH
DRAWN:	DPH
CHECKED:	CGH
DATE:	07/21/17

<b>NOT FOR CONSTRUCTION</b>		SERIES C-3112
NICTD - WEST LAKE CORRIDOR - MP WL 61.38 TO WL 69.18 SINGLE TRACK		
<b>SOUTH HAMMOND UTILITY PLAN FACILITY</b>		
FILENAME	SHT_WL_FA_SHS_UT_04.dgn	SHEET
SCALE	AS NOTED	<b>126 OF 361</b>

PLOT DATE: 7/20/2017 12:43:34 PM



1 SITE PLAN  
1" = 30'-0"



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Chicago, IL 60631  
www.hdrinc.com

ISSUE	DATE	DESCRIPTION



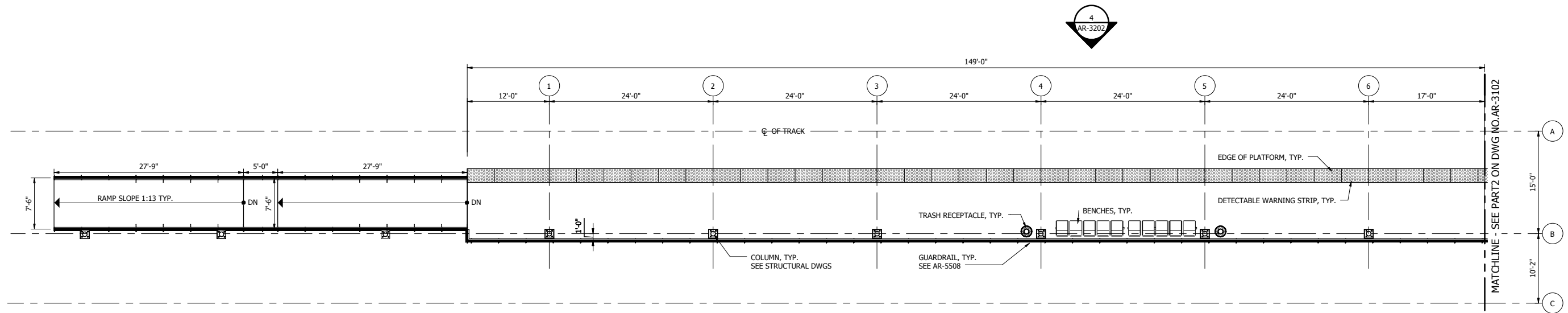
NORTHERN INDIANA COMMUTER  
TRANSPORTATION DISTRICT  
33 East Highway 12  
Chesterton, Indiana 46304



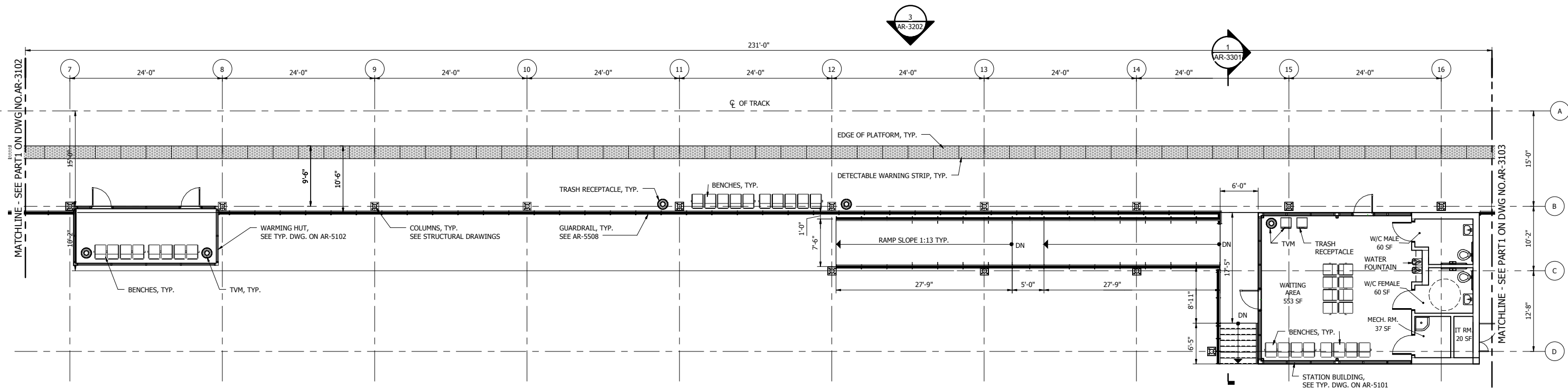
DYER TO HAMMOND, INDIANA

DESIGNED: R. Krieger
DRAWN: K. Gonzales
CHECKED: U. Bamert
DATE: 07/21/17

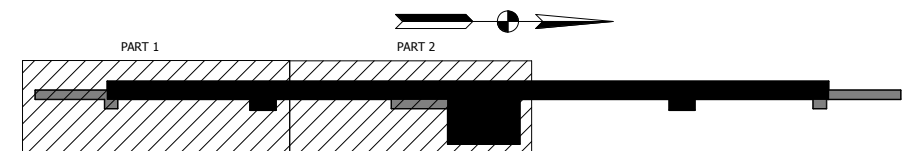
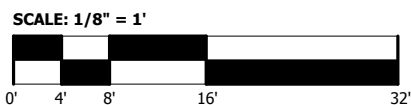
NOT FOR CONSTRUCTION		SERIES AR-3101
NICTD - WEST LAKE CORRIDOR - MP 65.6 PROJECT NAME		
SOUTH HAMMOND STATION SITE PLAN		
FILENAME		SHEET
SCALE	1" = 30'-0"	127 OF 361



**1 PARTIAL PLATFORM PLAN - 1**  
1/8" = 1'-0"



**2 PARTIAL PLATFORM PLAN - 2**  
1/8" = 1'-0"

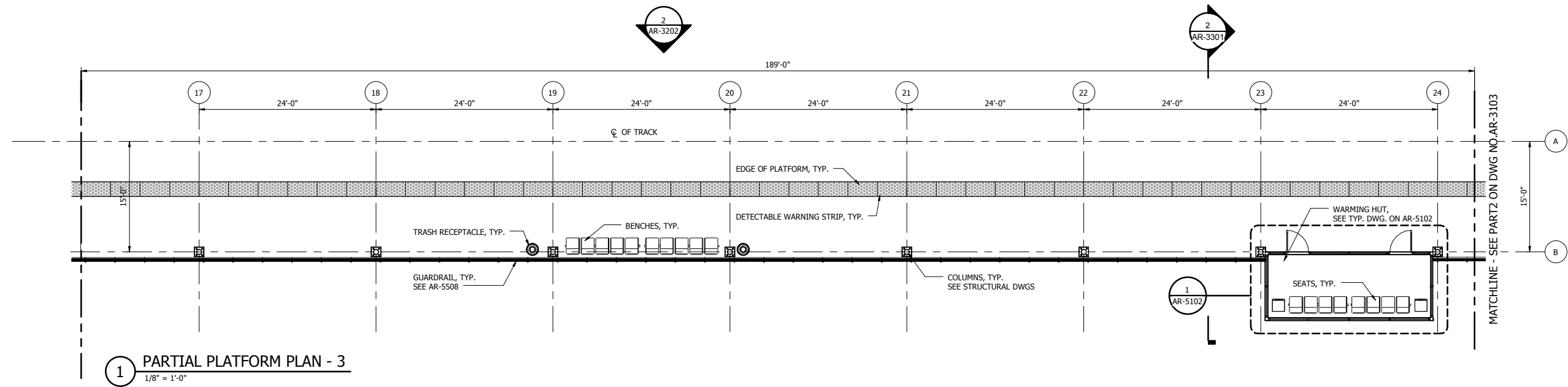


**NOT FOR CONSTRUCTION** SERIES **AR-3102**

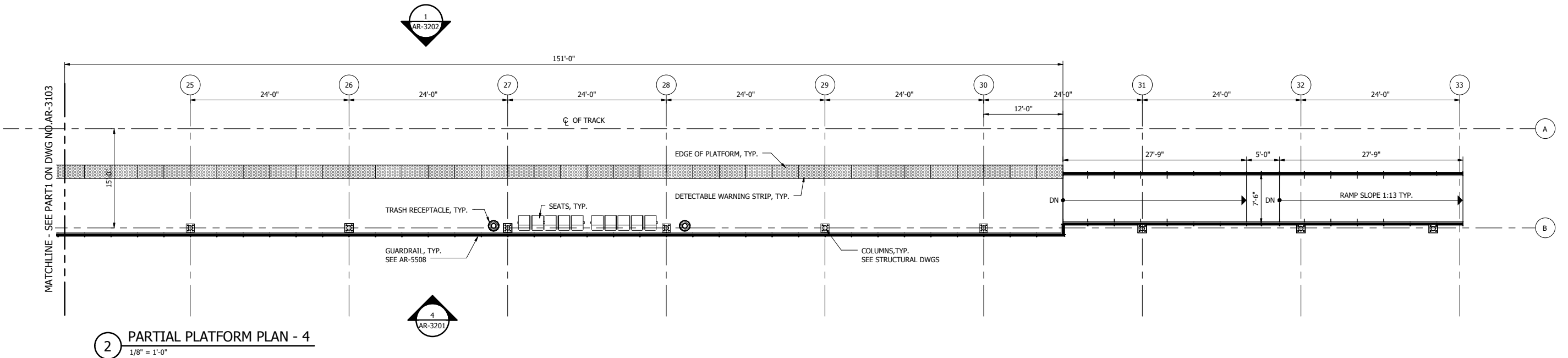
NICTD - WEST LAKE CORRIDOR - MP 65.6  
PROJECT NAME  
**SOUTH HAMMOND STATION  
PARTIAL PLATFORM PLANS - 1**

FILENAME SCALE 1/8" = 1'-0" SHEET **128 OF 361**

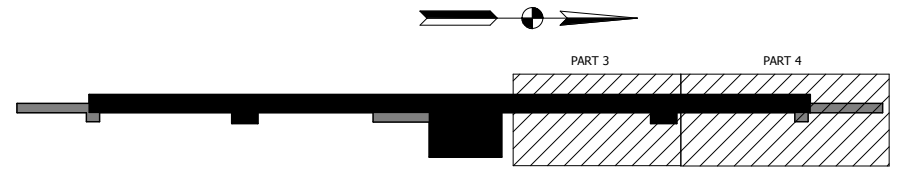
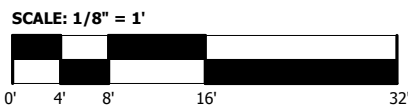




1 PARTIAL PLATFORM PLAN - 3  
1/8" = 1'-0"



2 PARTIAL PLATFORM PLAN - 4  
1/8" = 1'-0"



PLOT DATE: 7/20/2017 12:43:37 PM



ISSUE	DATE	DESCRIPTION

**NICTD**  
NORTHERN INDIANA COMMUTER  
TRANSPORTATION DISTRICT  
33 East Highway 12  
Chesterton, Indiana 46304

**WEST LAKE**  
CORRIDOR  
DYER TO HAMMOND, INDIANA

DESIGNED:	R. Krieger
DRAWN:	K. Gonzales
CHECKED:	U. Bamert
DATE:	07/21/17

**NOT FOR CONSTRUCTION** SERIES **AR-3103**

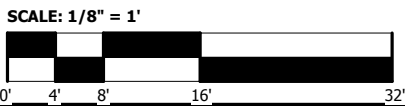
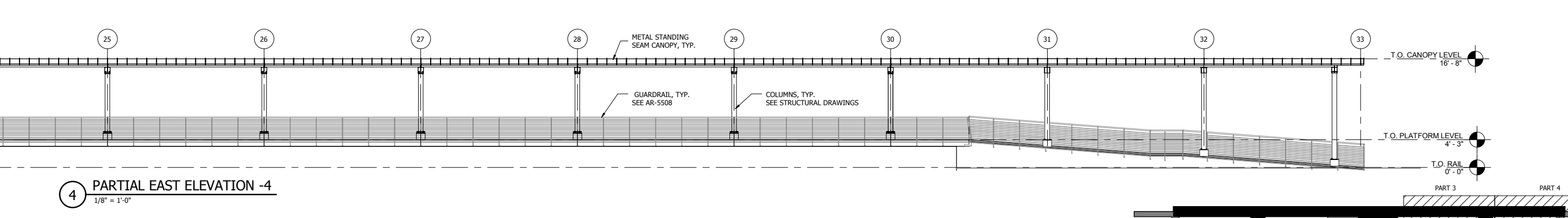
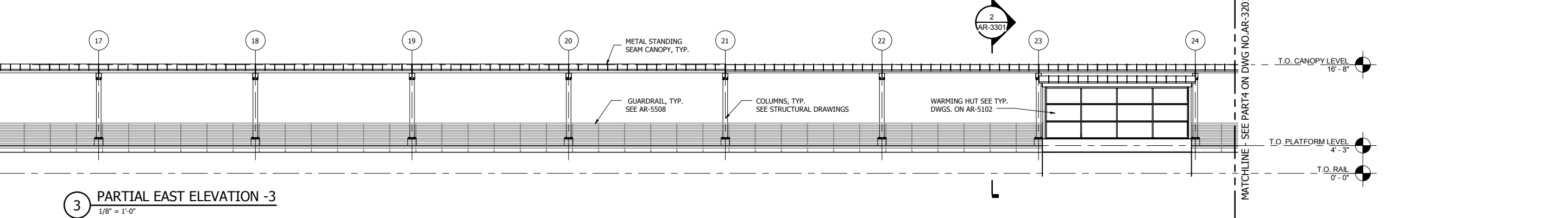
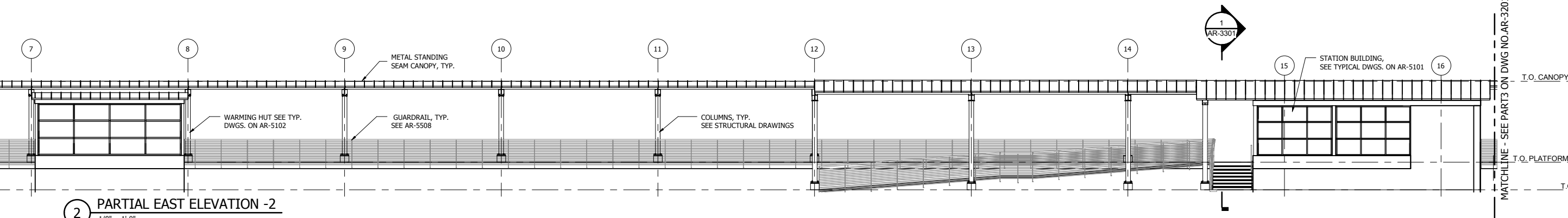
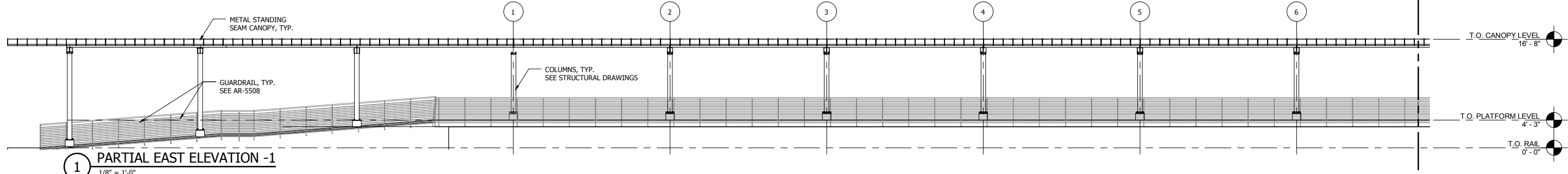
NICTD - WEST LAKE CORRIDOR - MP 65.6  
PROJECT NAME

**SOUTH HAMMOND STATION  
PARTIAL PLATFORM PLANS - 2**

FILENAME	SHEET
SCALE 1/8" = 1'-0"	<b>129 OF 361</b>



PLOT DATE: 7/20/2017 12:43:40 PM



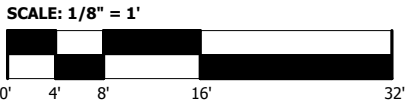
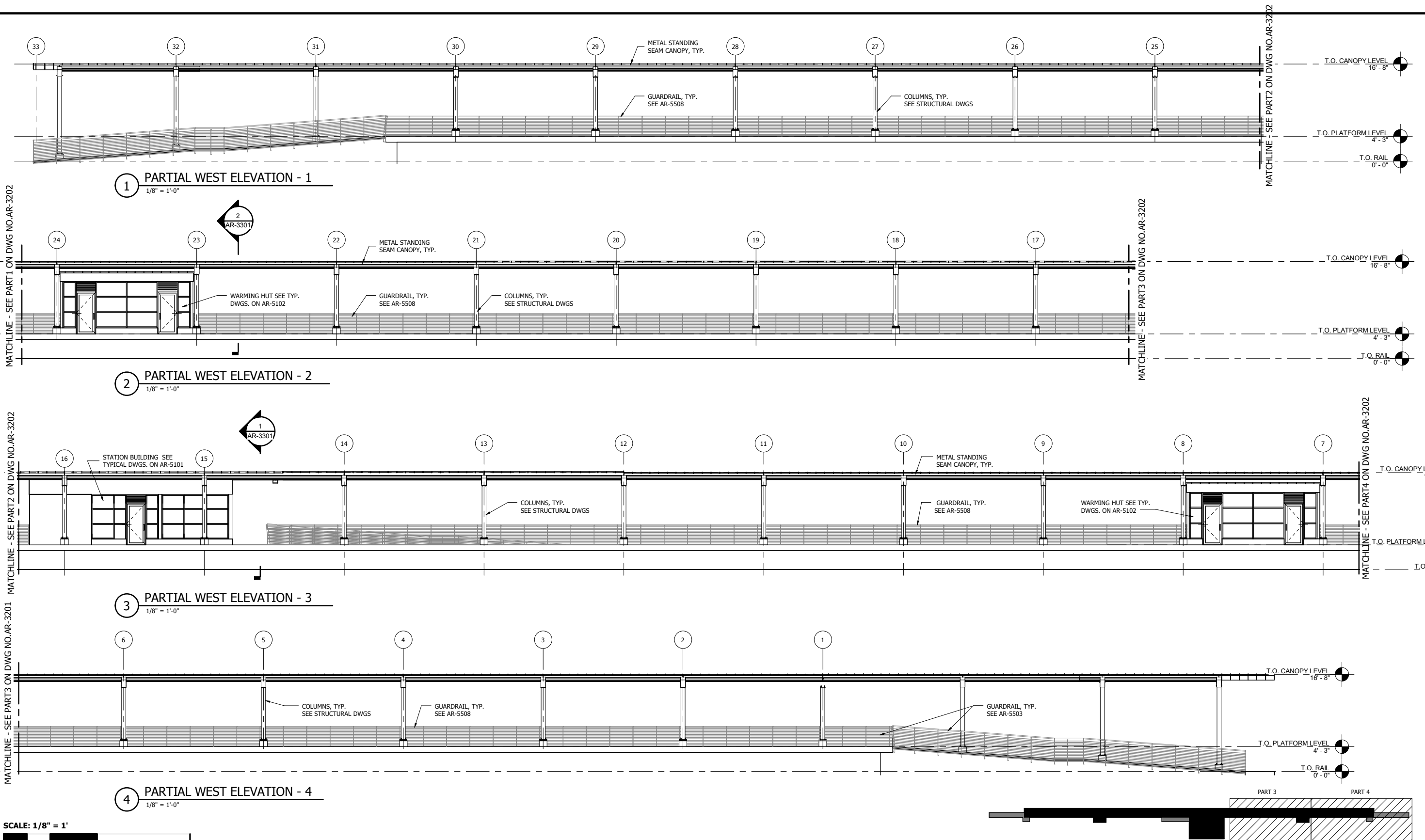
ISSUE	DATE	DESCRIPTION

**NICTD**  
NORTHERN INDIANA COMMUTER  
TRANSPORTATION DISTRICT  
33 East Highway 12  
Chesterton, Indiana 46304

**WEST LAKE**  
CORRIDOR  
DYER TO HAMMOND, INDIANA

DESIGNED:	R. Krieger
DRAWN:	K. Gonzales
CHECKED:	U. Bamert
DATE:	07/21/17

**NOT FOR CONSTRUCTION** SERIES **AR-3201**  
NICTD - WEST LAKE CORRIDOR - MP 65.6  
PROJECT NAME  
**SOUTH HAMMOND STATION  
PARTIAL EAST ELEVATIONS**  
FILENAME  
SCALE 1/8" = 1'-0"  
SHEET  
**130 OF 361**



PLOT DATE: 7/20/2017 12:43:42 PM



ISSUE	DATE	DESCRIPTION

**NICTD**  
NORTHERN INDIANA COMMUTER  
TRANSPORTATION DISTRICT  
33 East Highway 12  
Chesterton, Indiana 46304

**WEST LAKE**  
CORRIDOR  
DYER TO HAMMOND, INDIANA

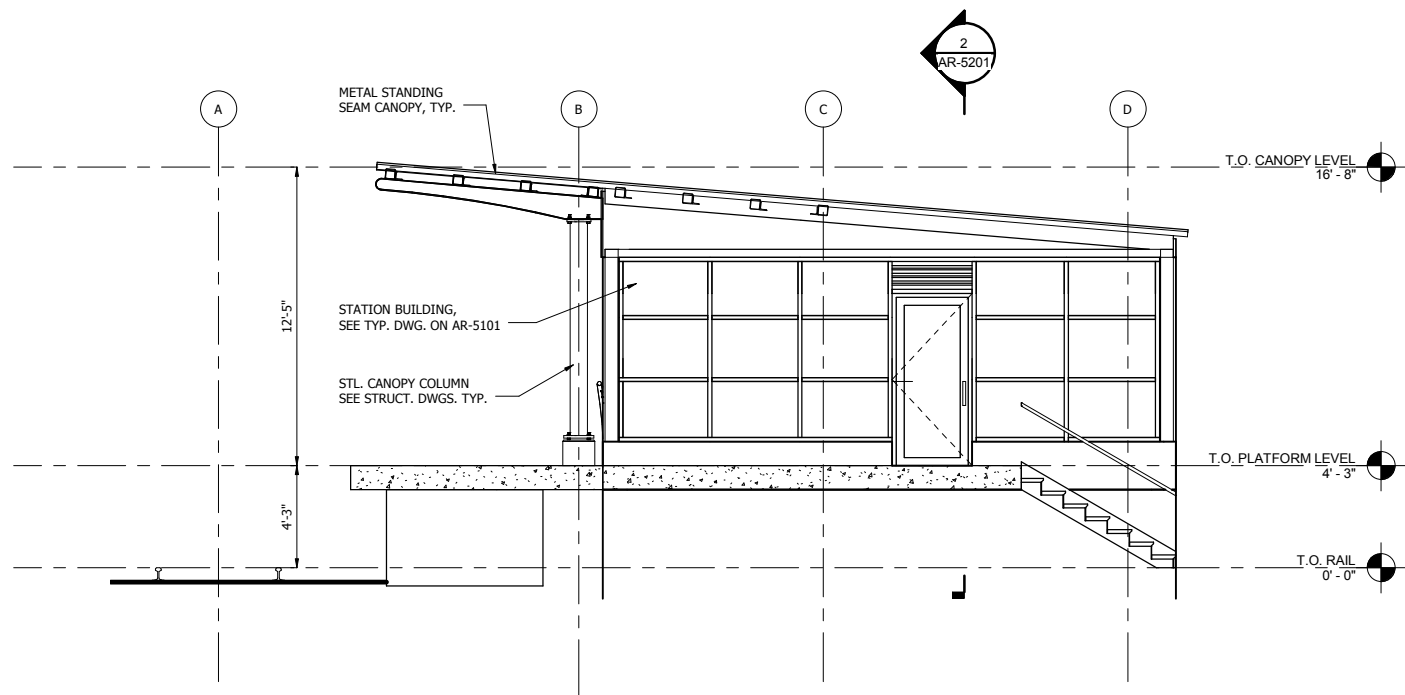
DESIGNED:	R. Krieger
DRAWN:	K. Gonzales
CHECKED:	U. Bamert
DATE:	07/21/17

**NOT FOR CONSTRUCTION**    **SERIES AR-3202**

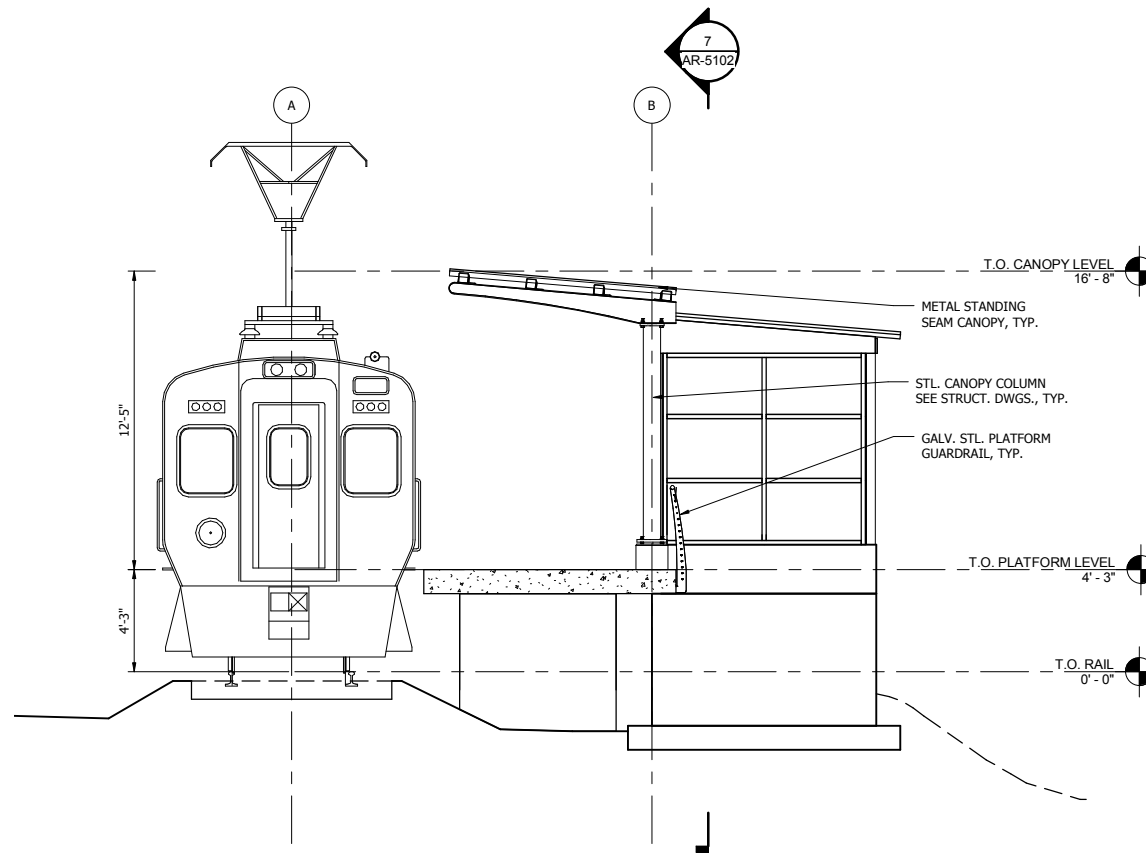
PROJECT NAME  
**SOUTH HAMMOND STATION  
PARTIAL WEST ELEVATIONS**

FILENAME  
SCALE    1/8" = 1'-0"

SHEET  
**131 OF 361**

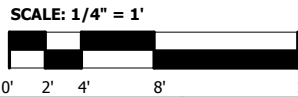


1 STATION SECTION 1  
1/4" = 1'-0"



2 PLATFORM CROSS SECTION  
1/4" = 1'-0"

**NOTES**  
1. FOR ELEVATIONS AND GRADE, SEE CIVIL DRAWINGS.



ISSUE	DATE	DESCRIPTION



DESIGNED:	R. Krieger
DRAWN:	K. Gonzales
CHECKED:	U. Bamert
DATE:	07/21/17

<b>NOT FOR CONSTRUCTION</b>		SERIES <b>AR-3301</b>
NICTD - WEST LAKE CORRIDOR - MP 65.6 PROJECT NAME		
<b>SOUTH HAMMOND STATION CROSS SECTIONS</b>		
FILENAME		SHEET
SCALE	1/4" = 1'-0"	<b>132 OF 361</b>

PLOT DATE: 7/20/2017 12:43:42 PM

PLOT DATE: 7/20/2017 3:33:02 PM JKJELMA

HDR

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Chicago, IL 60631  
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ISSUE	DATE	DESCRIPTION

NICTD

NORTHERN INDIANA COMMUTER  
TRANSPORTATION DISTRICT  
33 East Highway 12  
Chesterton, Indiana 46304

WEST LAKE  
CORRIDOR

DYER TO HAMMOND, INDIANA

DESIGNED:	T. HILES
DRAWN:	J. MERSEREAU
CHECKED:	S. WICKS
DATE:	07/21/17

NOT FOR CONSTRUCTION

SERIES  
AR-3801

NICTD - WEST LAKE CORRIDOR - MP WL 61.38 TO WL 69.18  
SINGLE TRACK

SOUTH PARKING SYSTEMS PLAN 1  
STATION

FILENAME  
SHT\_WL\_TE\_SH\_PL\_01.dgn

SCALE  
AS NOTED

SHEET  
133 OF 361

CH

STATION COMMUNICATIONS HUB

CC

STATION COMMUNICATIONS CABINET

▶

CCTV CAMERA - FIXED

◀

CCTV CAMERA - FIXED DOME

◀▶

CCTV CAMERA - PTZ

E

EMERGENCY TELEPHONE  
(WALL MOUNT)

TVM

TICKET VENDING MACHINE

ANS

AMBIENT NOISE SENSOR

⏏

PUBLIC ADDRESS SPEAKER

RTD

REAL-TIME PASSENGER INFORMATION  
DISPLAY (SINGLE SIDED)

RTD

REAL-TIME PASSENGER INFORMATION  
DISPLAY (DUAL SIDED)

E

EMERGENCY TELEPHONE  
(POLE MOUNT)

NOTES

1. ALL COMMUNICATIONS / SECURITY / SYSTEMS SYMBOLS PROVIDED IN THE LEGEND ARE INDICATING APPROXIMATE LOCATION ONLY.

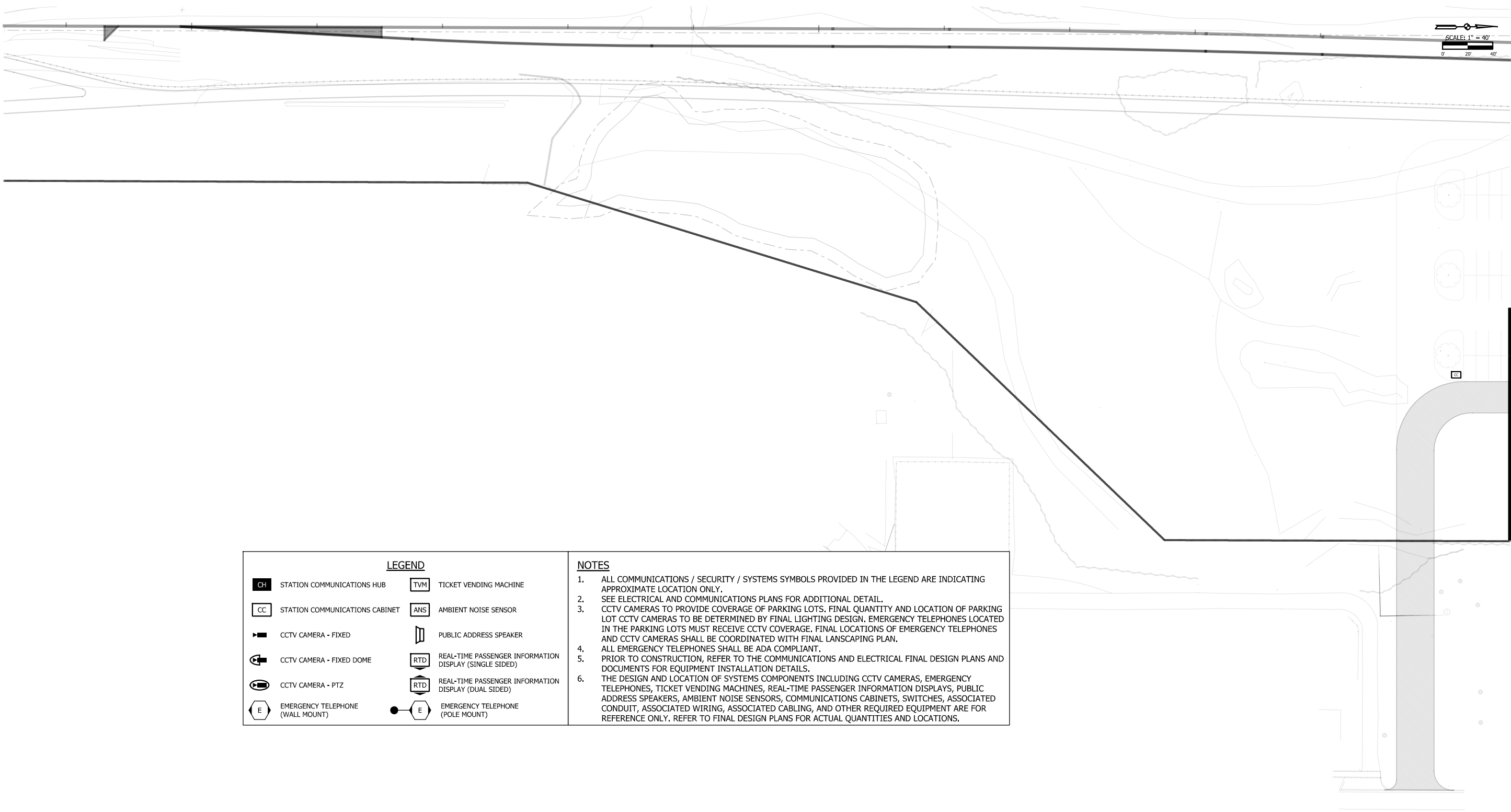
2. SEE ELECTRICAL AND COMMUNICATIONS PLANS FOR ADDITIONAL DETAIL.

3. CCTV CAMERAS TO PROVIDE COVERAGE OF PARKING LOTS. FINAL QUANTITY AND LOCATION OF PARKING LOT CCTV CAMERAS TO BE DETERMINED BY FINAL LIGHTING DESIGN. EMERGENCY TELEPHONES LOCATED IN THE PARKING LOTS MUST RECEIVE CCTV COVERAGE. FINAL LOCATIONS OF EMERGENCY TELEPHONES AND CCTV CAMERAS SHALL BE COORDINATED WITH FINAL LANDSCAPING PLAN.

4. ALL EMERGENCY TELEPHONES SHALL BE ADA COMPLIANT.

5. PRIOR TO CONSTRUCTION, REFER TO THE COMMUNICATIONS AND ELECTRICAL FINAL DESIGN PLANS AND DOCUMENTS FOR EQUIPMENT INSTALLATION DETAILS.

6. THE DESIGN AND LOCATION OF SYSTEMS COMPONENTS INCLUDING CCTV CAMERAS, EMERGENCY TELEPHONES, TICKET VENDING MACHINES, REAL-TIME PASSENGER INFORMATION DISPLAYS, PUBLIC ADDRESS SPEAKERS, AMBIENT NOISE SENSORS, COMMUNICATIONS CABINETS, SWITCHES, ASSOCIATED CONDUIT, ASSOCIATED WIRING, ASSOCIATED CABLING, AND OTHER REQUIRED EQUIPMENT ARE FOR REFERENCE ONLY. REFER TO FINAL DESIGN PLANS FOR ACTUAL QUANTITIES AND LOCATIONS.



PLOT DATE: 7/20/2017 3:33:38 PM JKJELMA

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Chicago, IL 60631  
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ISSUE	DATE	DESCRIPTION

NICTD

NORTHERN INDIANA COMMUTER  
TRANSPORTATION DISTRICT  
33 East Highway 12  
Chesterton, Indiana 46304

WEST LAKE

CORRIDOR

DYER TO HAMMOND, INDIANA

DESIGNED:	T. HILES
DRAWN:	J. MERSEREAU
CHECKED:	S. WICKS
DATE:	07/21/17

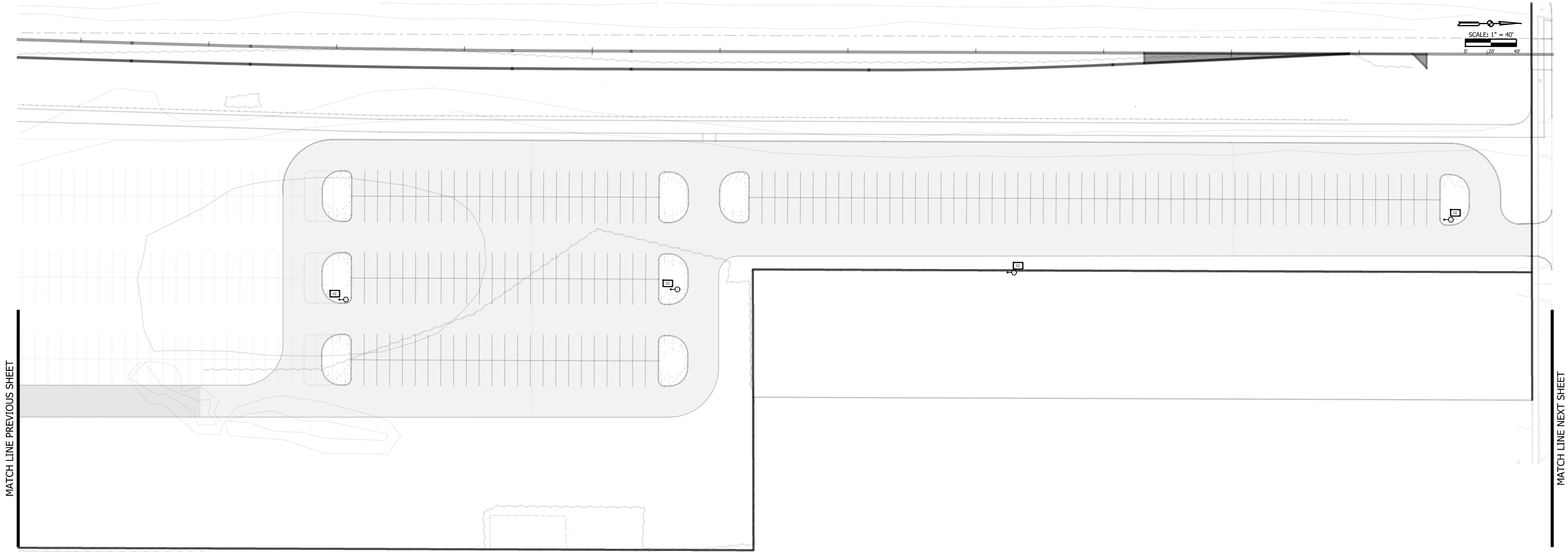
NOT FOR CONSTRUCTION

SERIES  
AR-3802

NICTD - WEST LAKE CORRIDOR - MP WL 61.38 TO WL 69.18  
SINGLE TRACK

SOUTH PARKING SYSTEMS PLAN 2  
STATION

FILENAME	SHT_WL_TE_SH_PL_02.dgn	SHEET
SCALE	AS NOTED	134 OF 361



CH

STATION COMMUNICATIONS HUB

CC

STATION COMMUNICATIONS CABINET

CCTV CAMERA - FIXED

CCTV CAMERA - FIXED DOME

CCTV CAMERA - PTZ

E

EMERGENCY TELEPHONE (WALL MOUNT)

TVM

TICKET VENDING MACHINE

ANS

AMBIENT NOISE SENSOR

PUBLIC ADDRESS SPEAKER

RTD

REAL-TIME PASSENGER INFORMATION DISPLAY (SINGLE SIDED)

RTD

REAL-TIME PASSENGER INFORMATION DISPLAY (DUAL SIDED)

E

EMERGENCY TELEPHONE (POLE MOUNT)

NOTES

1.

ALL COMMUNICATIONS / SECURITY / SYSTEMS SYMBOLS PROVIDED IN THE LEGEND ARE INDICATING APPROXIMATE LOCATION ONLY.

2.

SEE ELECTRICAL AND COMMUNICATIONS PLANS FOR ADDITIONAL DETAIL.

3.

CCTV CAMERAS TO PROVIDE COVERAGE OF PARKING LOTS. FINAL QUANTITY AND LOCATION OF PARKING LOT CCTV CAMERAS TO BE DETERMINED BY FINAL LIGHTING DESIGN. EMERGENCY TELEPHONES LOCATED IN THE PARKING LOTS MUST RECEIVE CCTV COVERAGE. FINAL LOCATIONS OF EMERGENCY TELEPHONES AND CCTV CAMERAS SHALL BE COORDINATED WITH FINAL LANDSCAPING PLAN.

4.

5.

6.



PLOT DATE: 7/20/2017 3:34:17 PM JKE/LLMA

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ISSUE	DATE	DESCRIPTION

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TRANSPORTATION DISTRICT  
33 East Highway 12  
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WEST LAKE  
CORRIDOR

DYER TO HAMMOND, INDIANA

DESIGNED:	T. HILES
DRAWN:	J. MERSEREAU
CHECKED:	S. WICKS
DATE:	07/21/17

NOT FOR CONSTRUCTION

SERIES  
AR-3803

NICTD - WEST LAKE CORRIDOR - MP WL 61.38 TO WL 69.18  
SINGLE TRACK

NORTH PARKING SYSTEMS PLAN 1  
STATION

FILENAME	SHT_WL_TE_SH_PL_03.dgn	SHEET
SCALE	AS NOTED	135 OF 361

MATCH LINE PREVIOUS SHEET

MATCH LINE NEXT SHEET

LEGEND

CH

STATION COMMUNICATIONS HUB

CC

STATION COMMUNICATIONS CABINET

CCTV CAMERA - FIXED

CCTV CAMERA - FIXED DOME

CCTV CAMERA - PTZ

EMERGENCY TELEPHONE  
(WALL MOUNT)

TVM

ANS

PUBLIC ADDRESS SPEAKER

RTD

RTD

EMERGENCY TELEPHONE  
(POLE MOUNT)

NOTES

1. ALL COMMUNICATIONS / SECURITY / SYSTEMS SYMBOLS PROVIDED IN THE LEGEND ARE INDICATING APPROXIMATE LOCATION ONLY.

2. SEE ELECTRICAL AND COMMUNICATIONS PLANS FOR ADDITIONAL DETAIL.

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4. ALL EMERGENCY TELEPHONES SHALL BE ADA COMPLIANT.

5. PRIOR TO CONSTRUCTION, REFER TO THE COMMUNICATIONS AND ELECTRICAL FINAL DESIGN PLANS AND DOCUMENTS FOR EQUIPMENT INSTALLATION DETAILS.

6. THE DESIGN AND LOCATION OF SYSTEMS COMPONENTS INCLUDING CCTV CAMERAS, EMERGENCY TELEPHONES, TICKET VENDING MACHINES, REAL-TIME PASSENGER INFORMATION DISPLAYS, PUBLIC ADDRESS SPEAKERS, AMBIENT NOISE SENSORS, COMMUNICATIONS CABINETS, SWITCHES, ASSOCIATED CONDUIT, ASSOCIATED WIRING, ASSOCIATED CABLING, AND OTHER REQUIRED EQUIPMENT ARE FOR REFERENCE ONLY. REFER TO FINAL DESIGN PLANS FOR ACTUAL QUANTITIES AND LOCATIONS.

PLOT DATE: 7/20/2017 3:34:57 PM JKJELLM

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ISSUE	DATE	DESCRIPTION

NICTD

NORTHERN INDIANA COMMUTER  
TRANSPORTATION DISTRICT

33 East Highway 12

Chesterton, Indiana 46304

WEST LAKE

CORRIDOR

DYER TO HAMMOND, INDIANA

DESIGNED:	T. HILES
DRAWN:	J. MERSEREAU
CHECKED:	S. WICKS
DATE:	07/21/17

NOT FOR CONSTRUCTION

SERIES  
AR-3804

NICTD - WEST LAKE CORRIDOR - MP WL 61.38 TO WL 69.18  
SINGLE TRACK

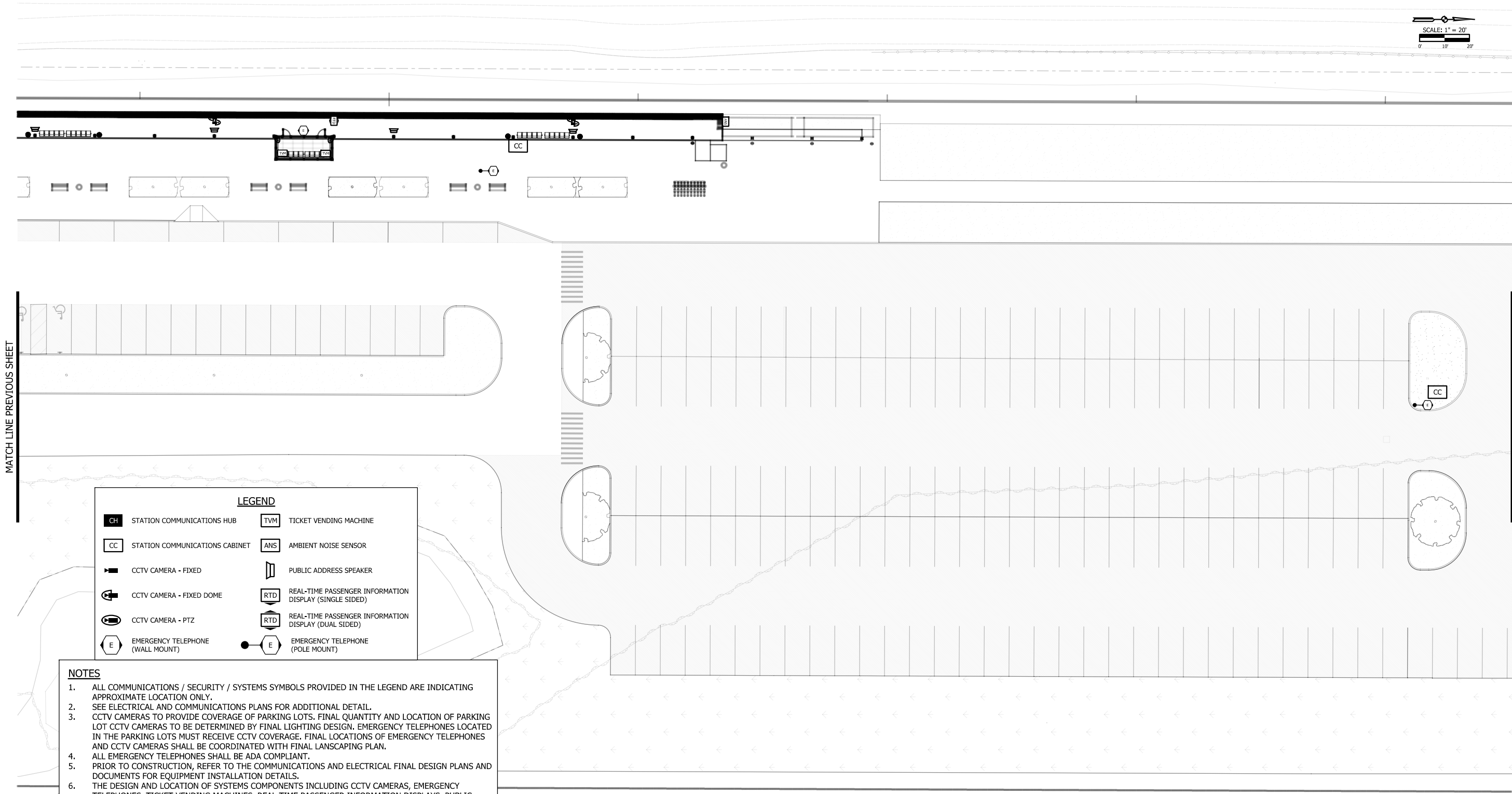
NORTH PARKING SYSTEMS PLAN 2

STATION

FILENAME  
SHT\_WL\_TE\_SH\_PL\_04.dgn

SCALE  
AS NOTED

SHEET  
136 OF 361



LEGEND

CH

STATION COMMUNICATIONS HUB

CC

STATION COMMUNICATIONS CABINET

CCTV CAMERA - FIXED

CCTV CAMERA - FIXED DOME

CCTV CAMERA - PTZ

E

EMERGENCY TELEPHONE  
(WALL MOUNT)

E

EMERGENCY TELEPHONE  
(POLE MOUNT)

TVM

TICKET VENDING MACHINE

ANS

AMBIENT NOISE SENSOR

PUBLIC ADDRESS SPEAKER

RTD

REAL-TIME PASSENGER INFORMATION  
DISPLAY (SINGLE SIDED)

RTD

REAL-TIME PASSENGER INFORMATION  
DISPLAY (DUAL SIDED)

1.

ALL COMMUNICATIONS / SECURITY / SYSTEMS SYMBOLS PROVIDED IN THE LEGEND ARE INDICATING APPROXIMATE LOCATION ONLY.

2.

SEE ELECTRICAL AND COMMUNICATIONS PLANS FOR ADDITIONAL DETAIL.

3.

CCTV CAMERAS TO PROVIDE COVERAGE OF PARKING LOTS. FINAL QUANTITY AND LOCATION OF PARKING LOT CCTV CAMERAS TO BE DETERMINED BY FINAL LIGHTING DESIGN. EMERGENCY TELEPHONES LOCATED IN THE PARKING LOTS MUST RECEIVE CCTV COVERAGE. FINAL LOCATIONS OF EMERGENCY TELEPHONES AND CCTV CAMERAS SHALL BE COORDINATED WITH FINAL LANDSCAPING PLAN.

4.

ALL EMERGENCY TELEPHONES SHALL BE ADA COMPLIANT.

5.

PRIOR TO CONSTRUCTION, REFER TO THE COMMUNICATIONS AND ELECTRICAL FINAL DESIGN PLANS AND DOCUMENTS FOR EQUIPMENT INSTALLATION DETAILS.

6.

THE DESIGN AND LOCATION OF SYSTEMS COMPONENTS INCLUDING CCTV CAMERAS, EMERGENCY TELEPHONES, TICKET VENDING MACHINES, REAL-TIME PASSENGER INFORMATION DISPLAYS, PUBLIC ADDRESS SPEAKERS, AMBIENT NOISE SENSORS, COMMUNICATIONS CABINETS, SWITCHES, ASSOCIATED CONDUIT, ASSOCIATED WIRING, ASSOCIATED CABLING, AND OTHER REQUIRED EQUIPMENT ARE FOR REFERENCE ONLY. REFER TO FINAL DESIGN PLANS FOR ACTUAL QUANTITIES AND LOCATIONS.

PLOT DATE: 7/21/2017 1:37:44 PM JKJELUMA

HDR

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Chicago, IL 60631  
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ISSUE	DATE	DESCRIPTION

NICTD

NORTHERN INDIANA COMMUTER  
TRANSPORTATION DISTRICT  
33 East Highway 12  
Chesterton, Indiana 46304

WEST LAKE

CORRIDOR

DYER TO HAMMOND, INDIANA

DESIGNED:	T. HILES
DRAWN:	J. MERSEREAU
CHECKED:	S. WICKS
DATE:	07/21/17

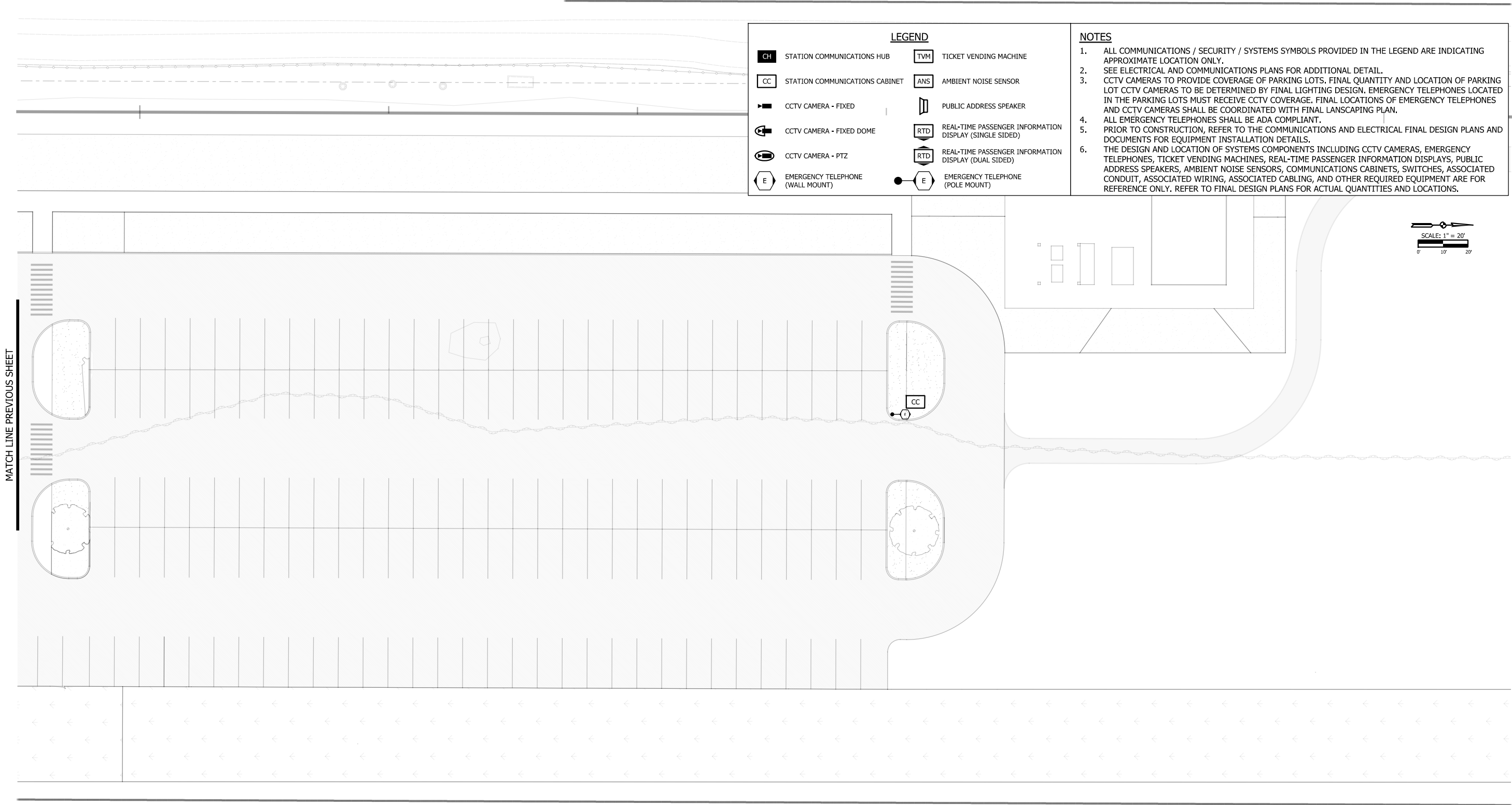
NOT FOR CONSTRUCTION

SERIES  
AR-3805

NICTD - WEST LAKE CORRIDOR - MP WL 61.38 TO WL 69.18  
SINGLE TRACK

NORTH PARKING SYSTEMS PLAN 3  
STATION

FILENAME	SHT_WL_TE_SH_PL_05.dgn	SHEET
SCALE	AS NOTED	137 OF 361



MATCH LINE PREVIOUS SHEET

LEGEND

- CH

STATION COMMUNICATIONS HUB
- CC

STATION COMMUNICATIONS CABINET
- CCTV CAMERA - FIXED
- CCTV CAMERA - FIXED DOME
- CCTV CAMERA - PTZ
- E

EMERGENCY TELEPHONE (WALL MOUNT)
- TVM

TICKET VENDING MACHINE
- ANS

AMBIENT NOISE SENSOR
- PUBLIC ADDRESS SPEAKER
- RTD

REAL-TIME PASSENGER INFORMATION DISPLAY (SINGLE SIDED)
- RTD

REAL-TIME PASSENGER INFORMATION DISPLAY (DUAL SIDED)
- E

EMERGENCY TELEPHONE (POLE MOUNT)

NOTES

1. ALL COMMUNICATIONS / SECURITY / SYSTEMS SYMBOLS PROVIDED IN THE LEGEND ARE INDICATING APPROXIMATE LOCATION ONLY.
2. SEE ELECTRICAL AND COMMUNICATIONS PLANS FOR ADDITIONAL DETAIL.
3. CCTV CAMERAS TO PROVIDE COVERAGE OF PARKING LOTS. FINAL QUANTITY AND LOCATION OF PARKING LOT CCTV CAMERAS TO BE DETERMINED BY FINAL LIGHTING DESIGN. EMERGENCY TELEPHONES LOCATED IN THE PARKING LOTS MUST RECEIVE CCTV COVERAGE. FINAL LOCATIONS OF EMERGENCY TELEPHONES AND CCTV CAMERAS SHALL BE COORDINATED WITH FINAL LANDSCAPING PLAN.
4. ALL EMERGENCY TELEPHONES SHALL BE ADA COMPLIANT.
5. PRIOR TO CONSTRUCTION, REFER TO THE COMMUNICATIONS AND ELECTRICAL FINAL DESIGN PLANS AND DOCUMENTS FOR EQUIPMENT INSTALLATION DETAILS.
6. THE DESIGN AND LOCATION OF SYSTEMS COMPONENTS INCLUDING CCTV CAMERAS, EMERGENCY TELEPHONES, TICKET VENDING MACHINES, REAL-TIME PASSENGER INFORMATION DISPLAYS, PUBLIC ADDRESS SPEAKERS, AMBIENT NOISE SENSORS, COMMUNICATIONS CABINETS, SWITCHES, ASSOCIATED CONDUIT, ASSOCIATED WIRING, ASSOCIATED CABLING, AND OTHER REQUIRED EQUIPMENT ARE FOR REFERENCE ONLY. REFER TO FINAL DESIGN PLANS FOR ACTUAL QUANTITIES AND LOCATIONS.



NOT USED

PLOT DATE: 7/21/2017 1:38:59 PM JKELLMA



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NORTHERN INDIANA COMMUTER  
TRANSPORTATION DISTRICT  
33 East Highway 12  
Chesterton, Indiana 46304



WEST LAKE  
CORRIDOR

DYER TO HAMMOND, INDIANA

DESIGNED:	T. HILES
DRAWN:	J. MERSEREAU
CHECKED:	S. WICKS
DATE:	07/21/17

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SERIES  
AR-3806

NICTD - WEST LAKE CORRIDOR - MP WL 61.38 TO WL 69.18  
SINGLE TRACK

NORTH PARKING SYSTEMS PLAN 4  
STATION

FILENAME  
SHT\_WL\_TE\_SH\_PL\_06.dgn

SCALE  
AS NOTED

SHEET  
138 OF 361

PLOT DATE: 7/20/2017 3:36:52 PM JKE/LLMA



ISSUE	DATE	DESCRIPTION



DESIGNED:	T. HILES
DRAWN:	J. MERSEREAU
CHECKED:	S. WICKS
DATE:	07/21/17

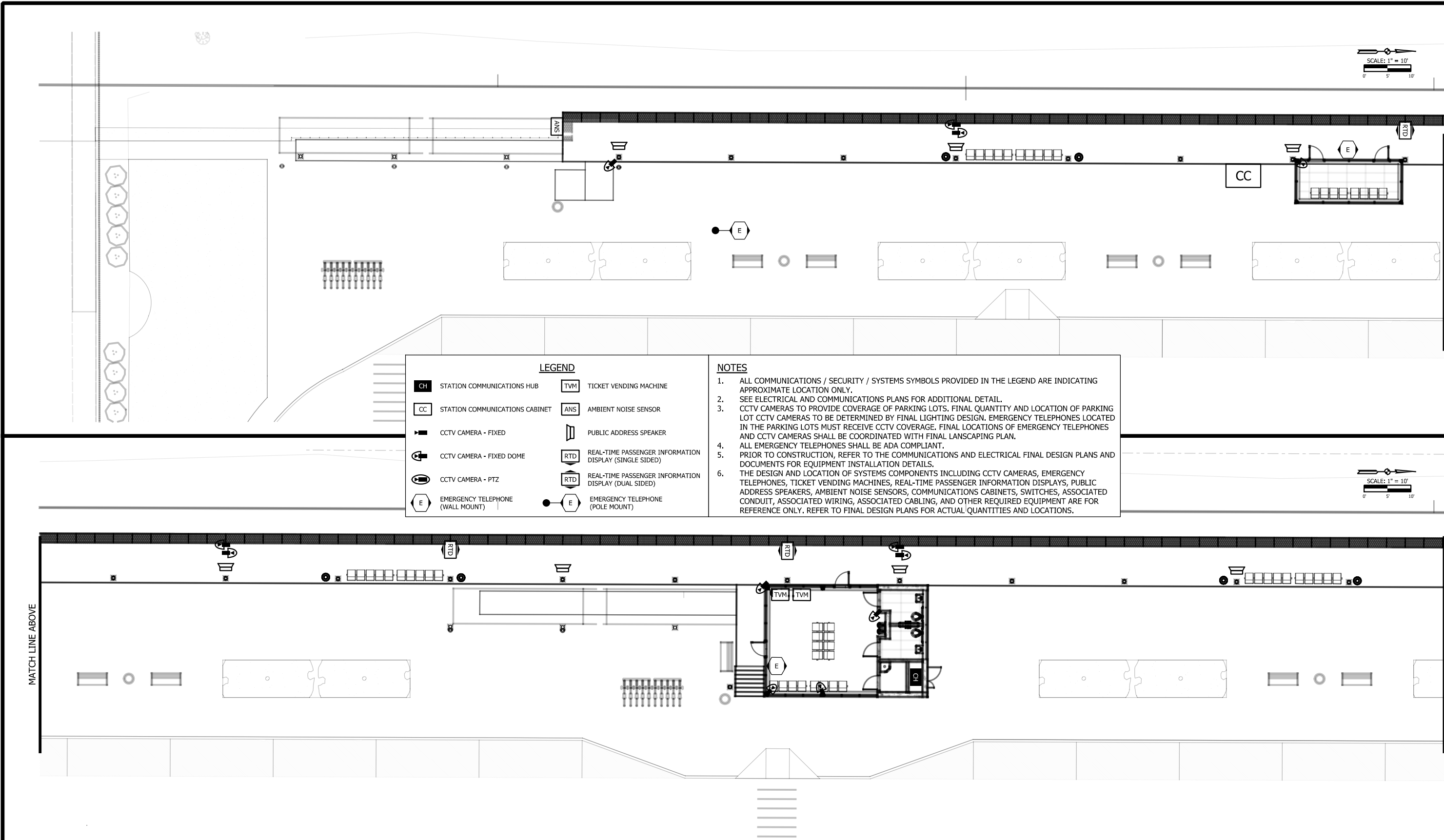
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SERIES  
AR-3807

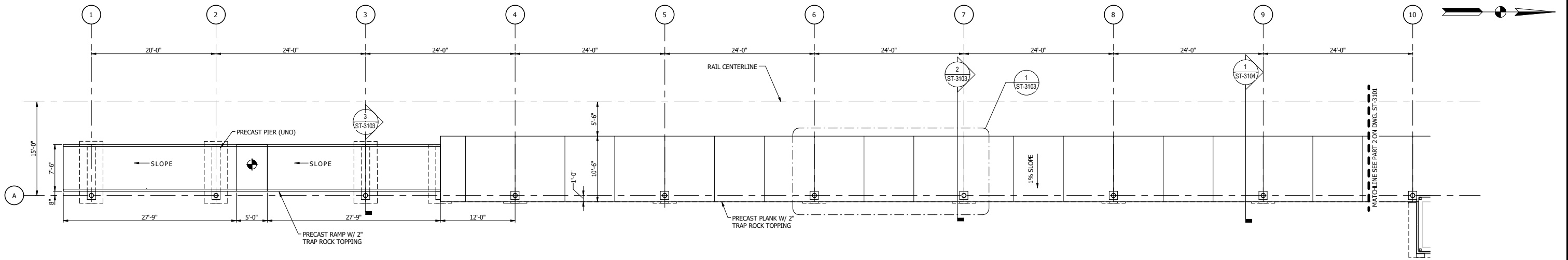
NICTD - WEST LAKE CORRIDOR - MP WL 61.38 TO WL 69.18  
SINGLE TRACK

PLATFORM, STATION SYSTEMS PLAN  
STATION

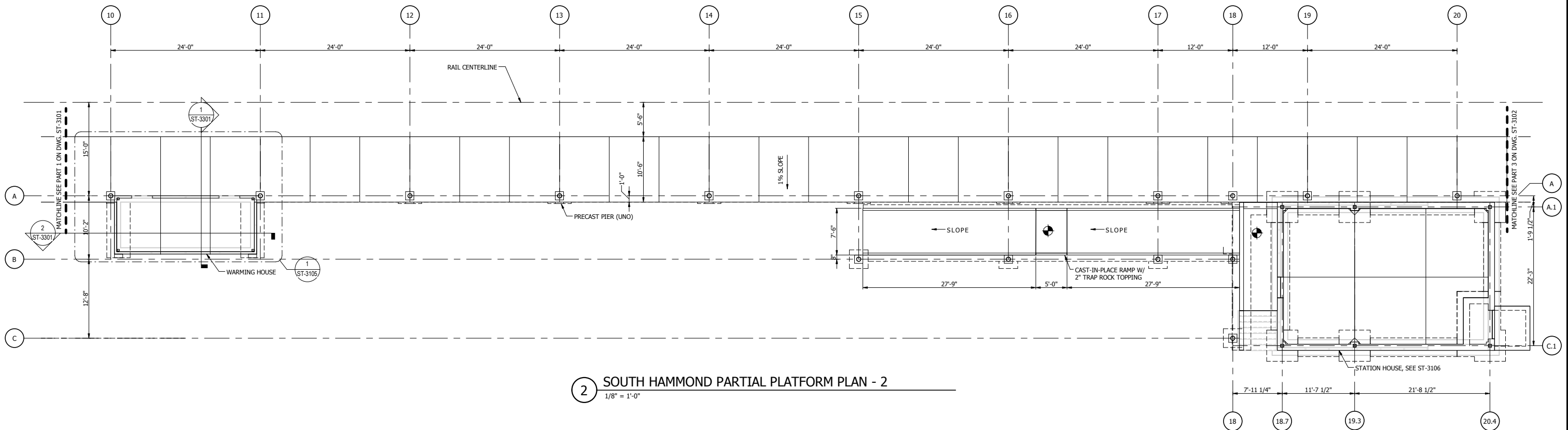
FILENAME	SHT_WL_TE_SH_PL_07.dgn	SHEET
SCALE	AS NOTED	139 OF 361







1 SOUTH HAMMOND PARTIAL PLATFORM PLAN - 1  
1/8" = 1'-0"



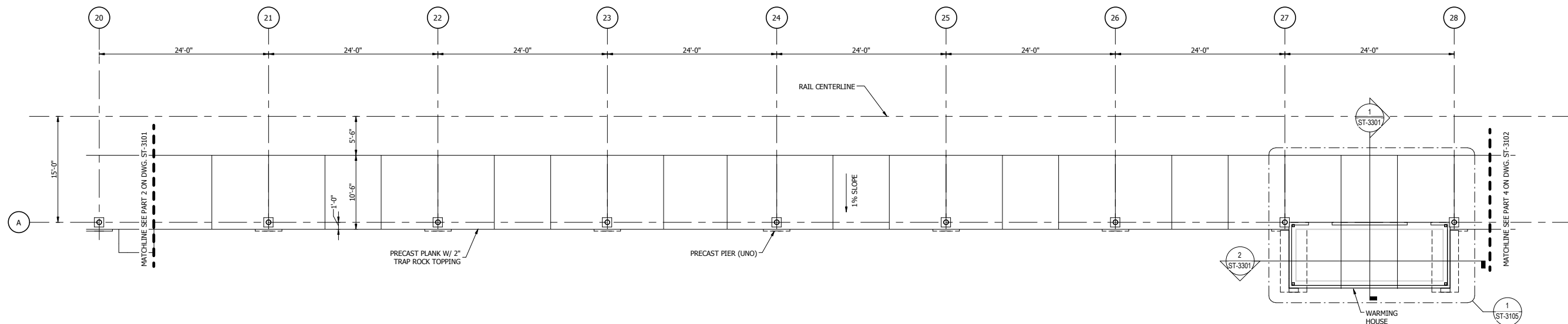
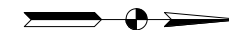
2 SOUTH HAMMOND PARTIAL PLATFORM PLAN - 2  
1/8" = 1'-0"

NOT FOR CONSTRUCTION		SERIES ST-3101	
NICTD - WEST LAKE CORRIDOR - MP <u>WL</u> 65.6 PROJECT NAME			
SOUTH HAMMOND PLATFORM PLAN - 1			
FILENAME		SHEET	
SCALE	1/8" = 1'-0"	141 OF 361	

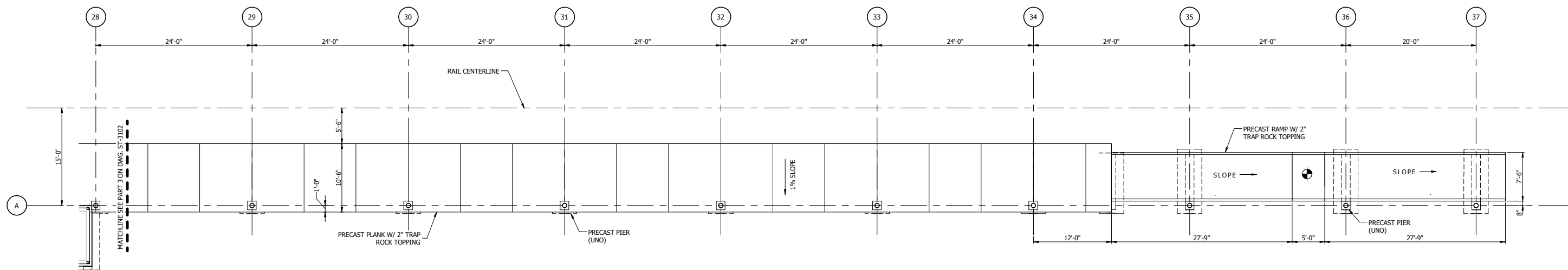


DYER TO HAMMOND, INDIANA

DESIGNED:	VMR
DRAWN:	VMR
CHECKED:	CVAN
DATE:	07/21/17



1 SOUTH HAMMOND PARTIAL PLATFORM PLAN - 3  
1/8" = 1'-0"



2 SOUTH HAMMOND PARTIAL PLATFORM PLAN - 4  
1/8" = 1'-0"

PLOT DATE: 19-Jul-17 2:53:56 PM



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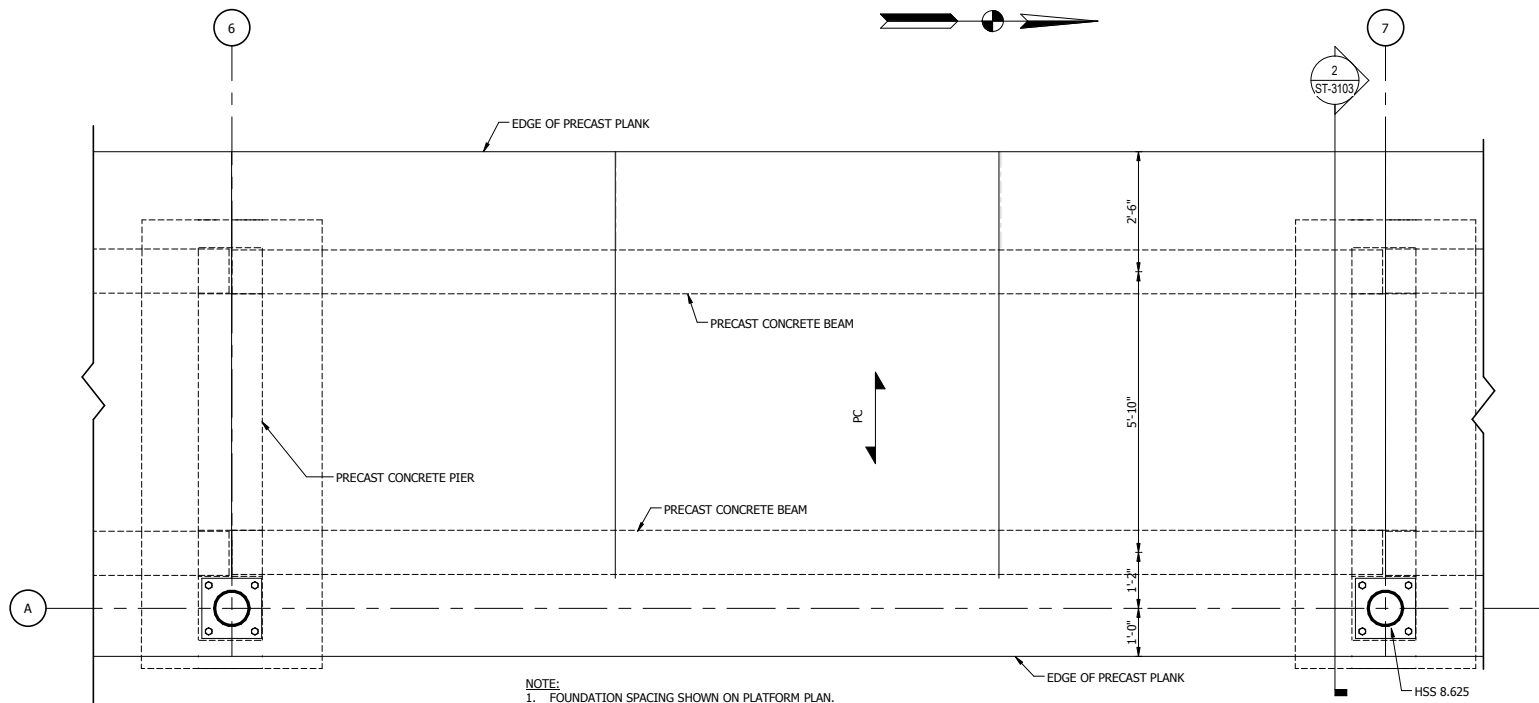
DYER TO HAMMOND, INDIANA

NOT FOR CONSTRUCTION

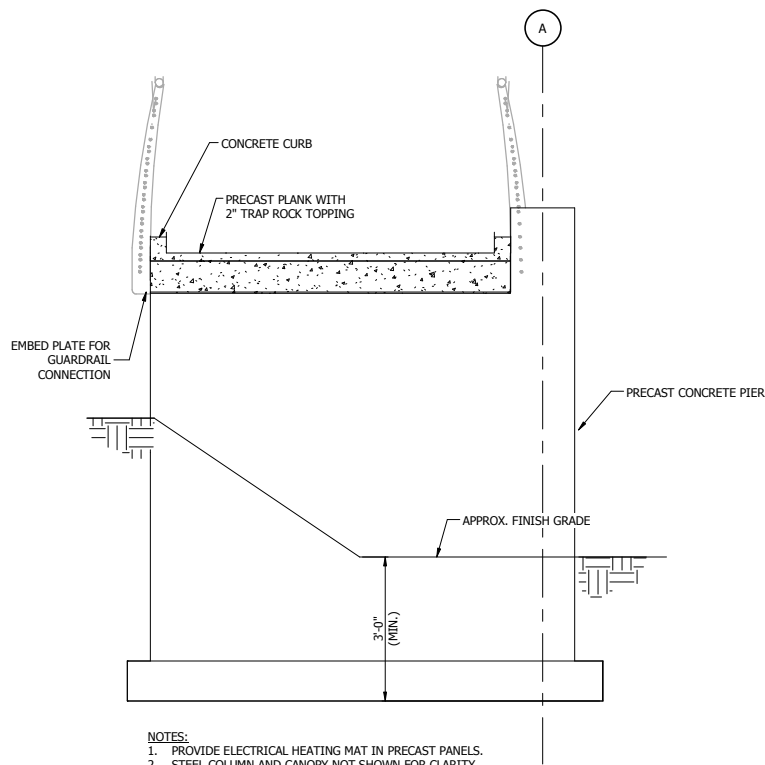
SERIES  
ST-3102

NICTD - WEST LAKE CORRIDOR - MP WL 65.6  
PROJECT NAME  
SOUTH HAMMOND PLATFORM  
PLAN - 2

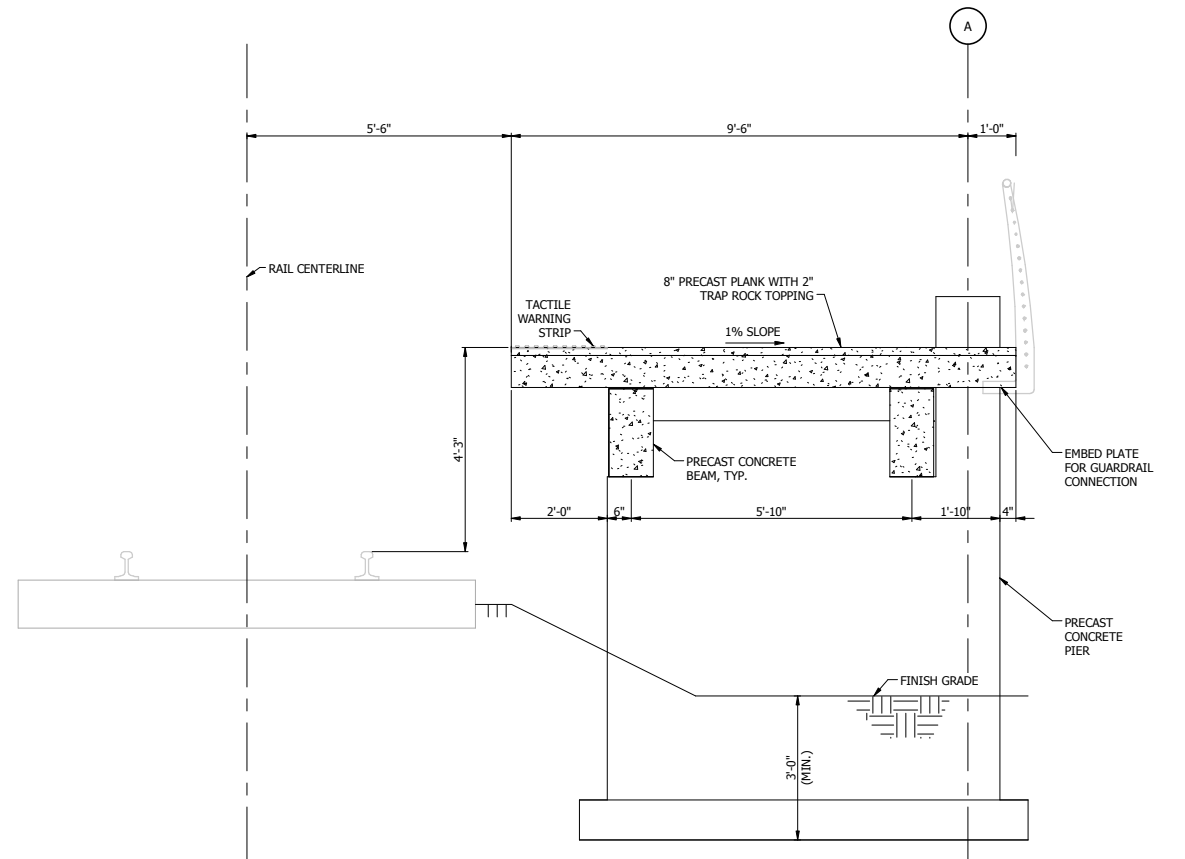
FILENAME	SHEET
SCALE	1/8" = 1'-0"
1/8" = 1'-0"	142 OF 361



1 TYPICAL PLATFORM FRAMING PLAN  
1/2" = 1'-0"



3 TYPICAL RAMP SECTION  
1/2" = 1'-0"



2 TYPICAL PLATFORM SECTION  
1/2" = 1'-0"

- NOTES:
1. PROVIDE ELECTRICAL HEATING MAT INTEGRAL IN PRECAST PLANKS.
  2. STEEL COLUMN AND CANOPY NOT SHOWN FOR CLARITY.

NOT FOR CONSTRUCTION

SERIES  
ST-3103

NICTD - WEST LAKE CORRIDOR - MP WL 65.6  
PROJECT NAME

SOUTH HAMMOND PLATFORM  
FRAMING PLAN

FILENAME  
SCALE 1/2" = 1'-0"

SHEET  
143 OF 361

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**EDLZ**

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Chesterton, Indiana 46304

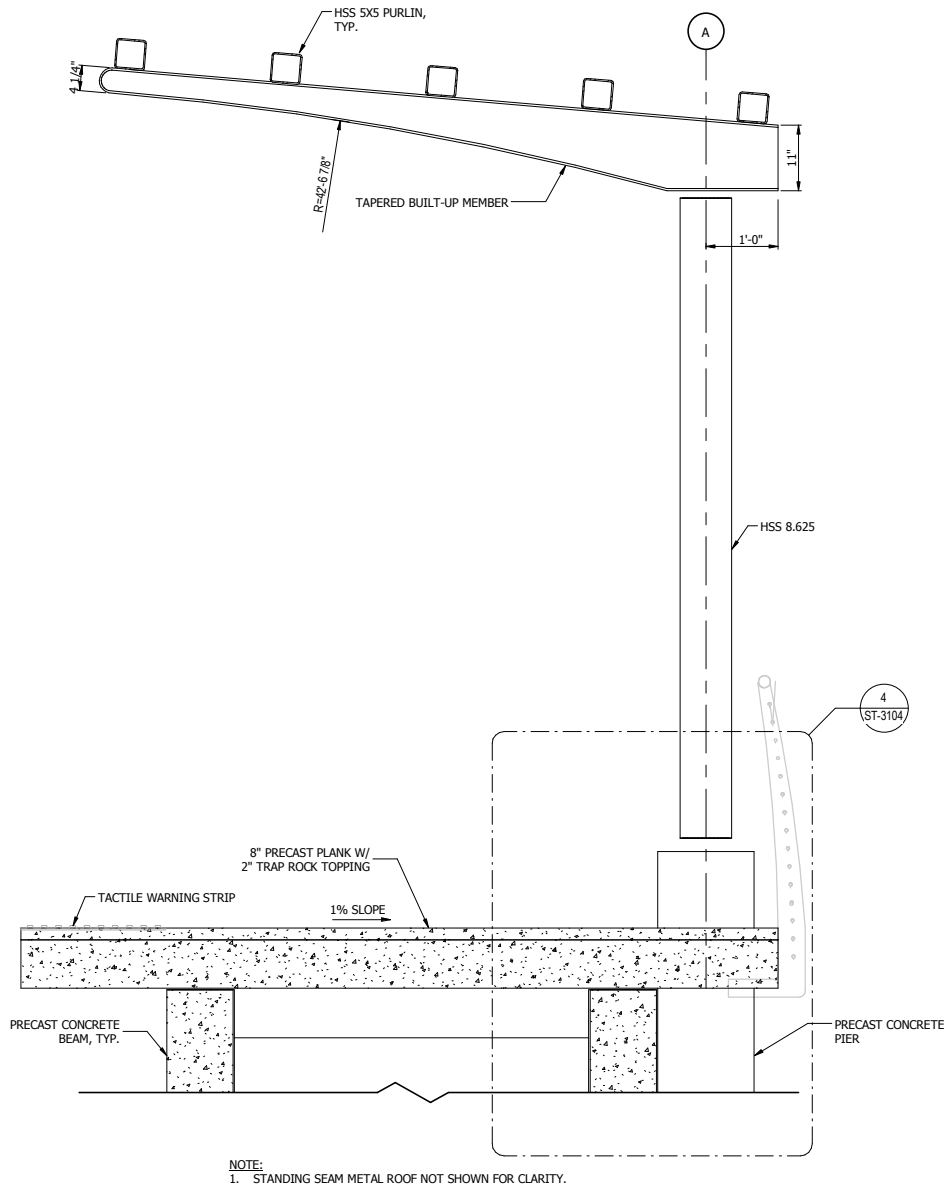
**WEST LAKE**  
CORRIDOR

DYER TO HAMMOND, INDIANA

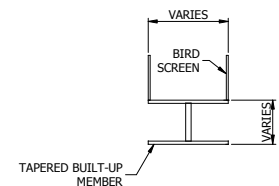
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DRAWN: VMR  
CHECKED: CVAN  
DATE: 07/21/17

PLOT DATE: 19-Jul-17 2:53:57 PM

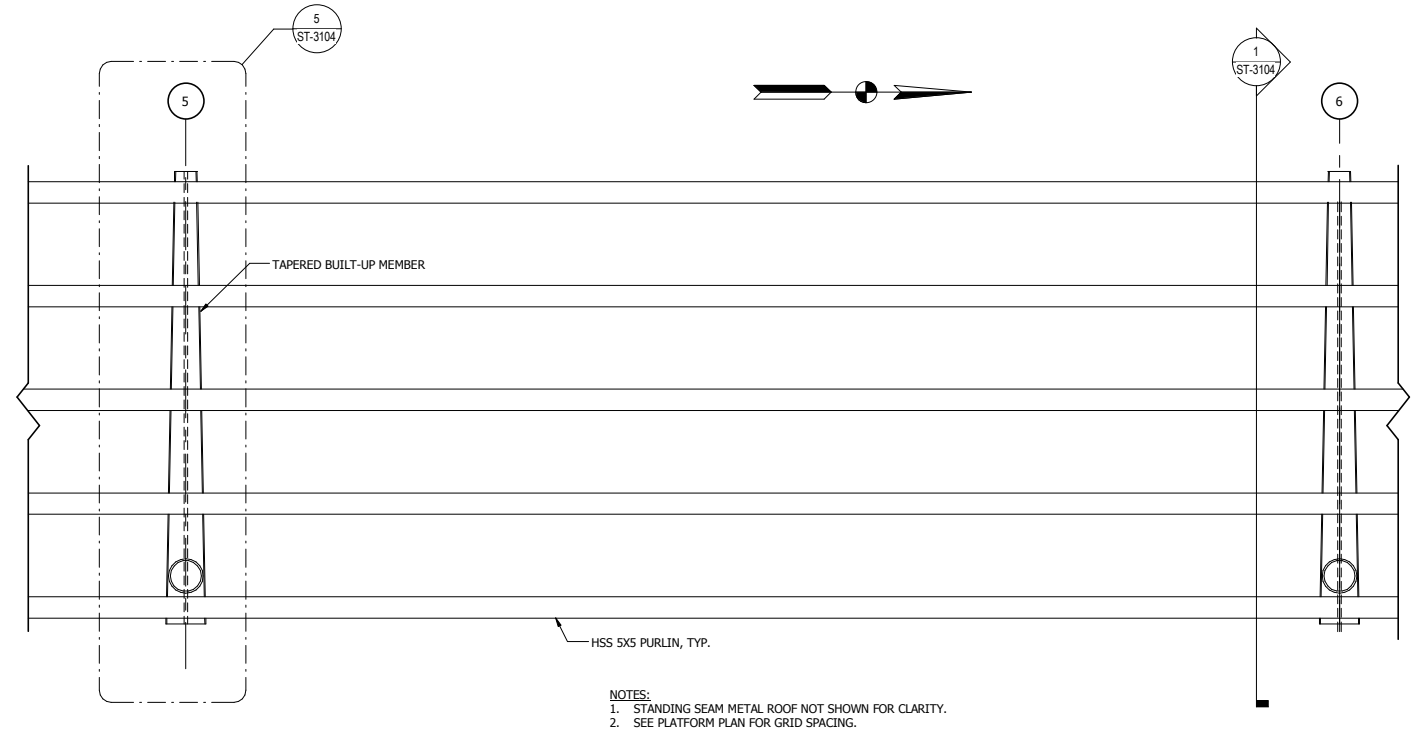
C:\Users\vrednour\Documents\WL\_ST\_SOHAMSTN\_02\_vrednour.rvt



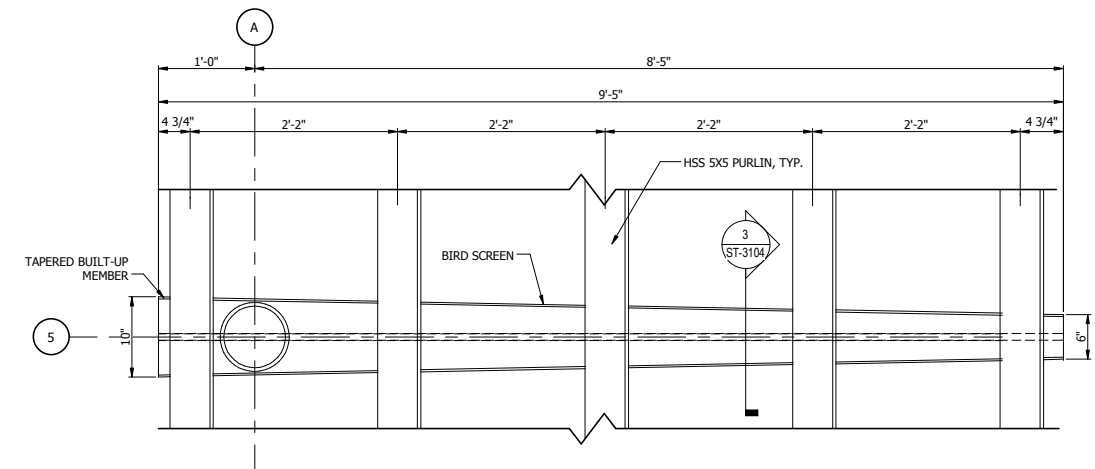
1 TYPICAL CANOPY SECTION  
3/4" = 1'-0"



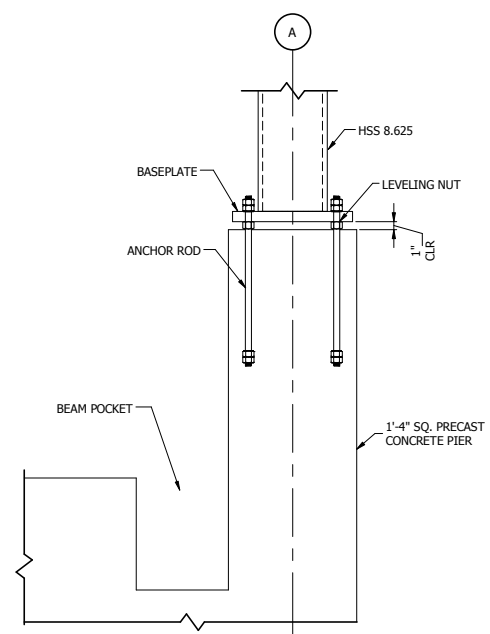
3 SECTION  
1" = 1'-0"



2 TYPICAL CANOPY FRAMING PLAN  
1/2" = 1'-0"



5 TYPICAL CANOPY PURLIN-BEAM DETAIL  
1" = 1'-0"



4 TYPICAL BASEPLATE CONFIGURATION  
1" = 1'-0"

NOT FOR CONSTRUCTION SERIES ST-3104

NICTD - WEST LAKE CORRIDOR - MP W/L 65.6  
PROJECT NAME  
SOUTH HAMMOND CANOPY ROOF  
FRAMING PLAN

FILENAME SCALE As indicated SHEET 144 OF 361



ISSUE	DATE	DESCRIPTION

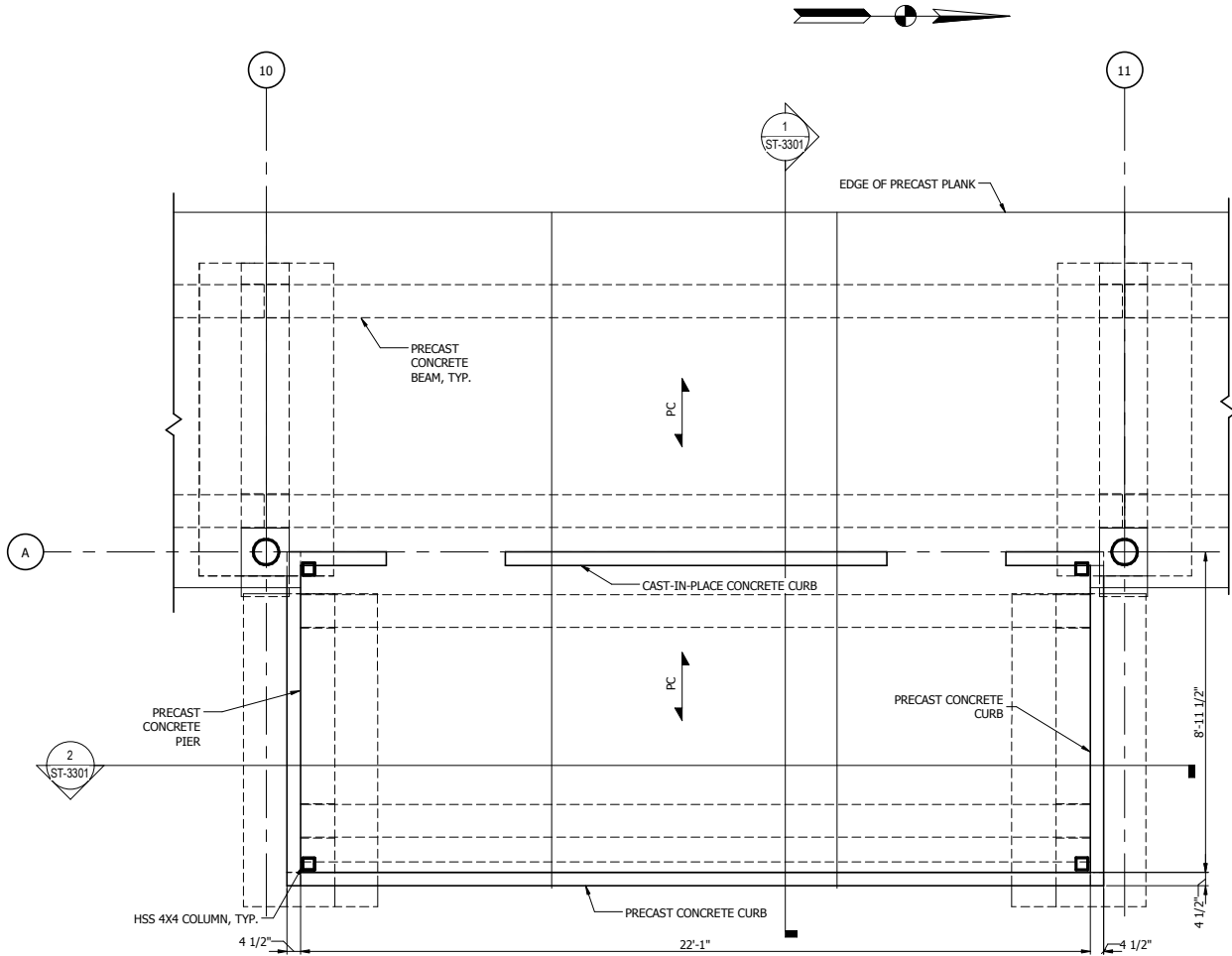


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DESIGNED: VMR  
DRAWN: VMR  
CHECKED: CVAN  
DATE: 07/21/17

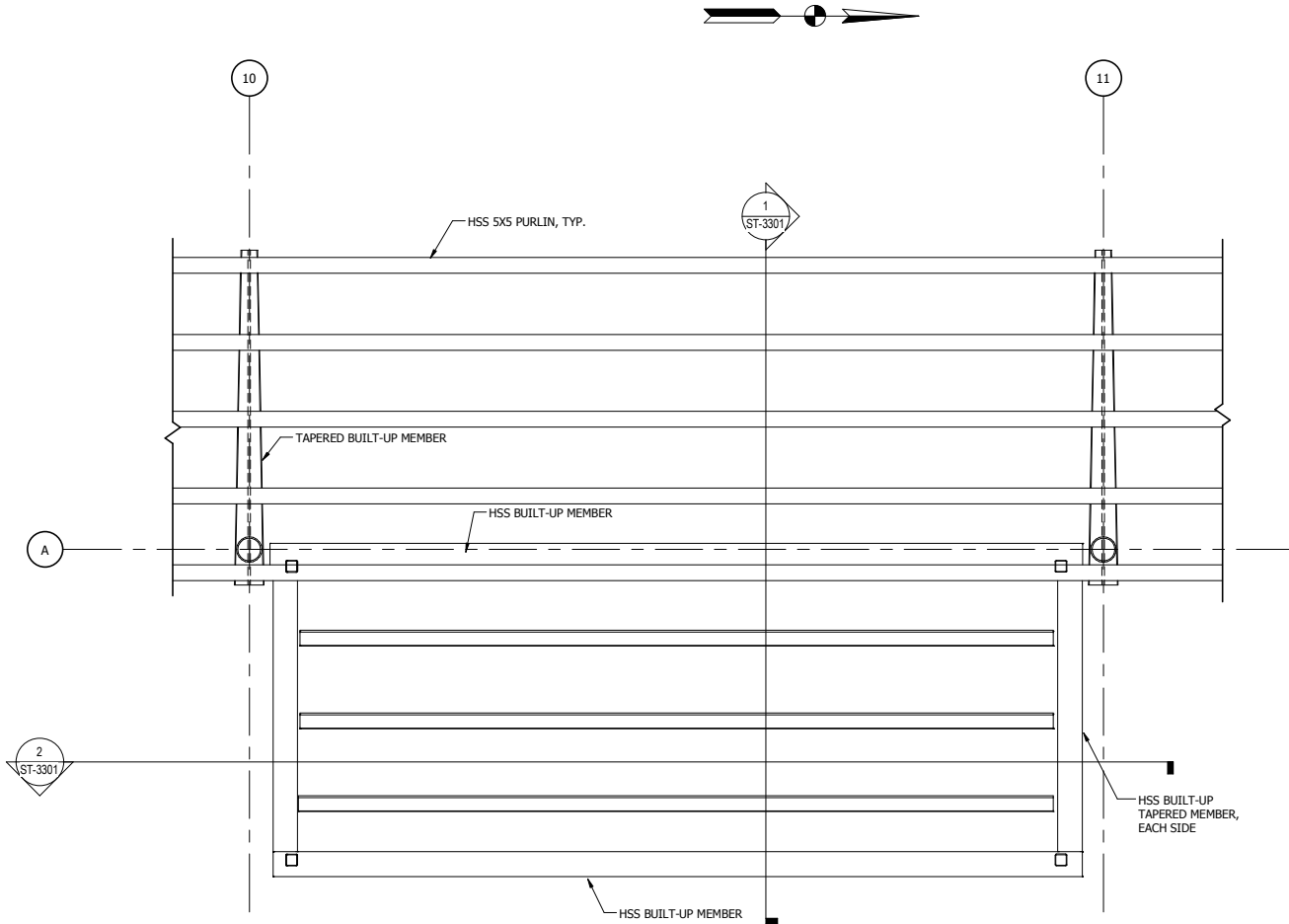
PLOT DATE: 19-Jul-17 2:53:57 PM

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NOTE:  
1. SEE PLATFORM FRAMING PLAN FOR TYPICAL GRID SPACING.

1 TYPICAL WARMING HOUSE FRAMING PLAN  
3/8" = 1'-0"



NOTES:  
1. STANDING SEAM METAL ROOF NOT SHOWN FOR CLARITY.  
2. SEE PLATFORM FRAMING PLAN FOR TYPICAL GRID SPACING.

2 TYPICAL WARMING HOUSE ROOF FRAMING PLAN  
3/8" = 1'-0"

PLOT DATE: 19-Jul-17 2:53:58 PM

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DYER TO HAMMOND, INDIANA

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DRAWN:	VMR
CHECKED:	CVAN
DATE:	07/21/17

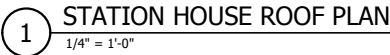
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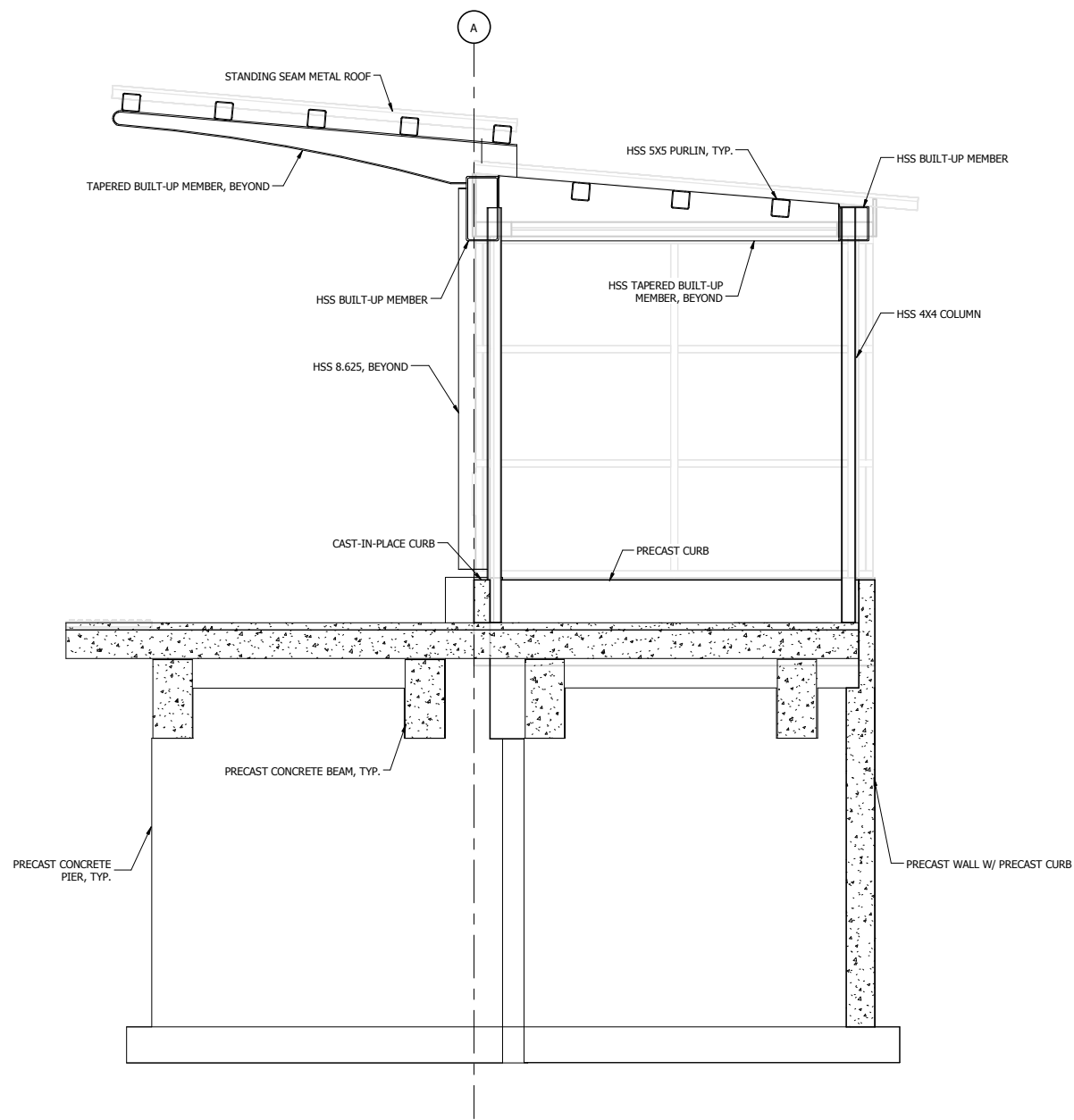
NICTD - WEST LAKE CORRIDOR - MP WL 65.6  
PROJECT NAME  
**SOUTH HAMMOND WARMING  
HOUSE PLAN**

FILENAME		SHEET
SCALE	3/8" = 1'-0"	145 OF 361

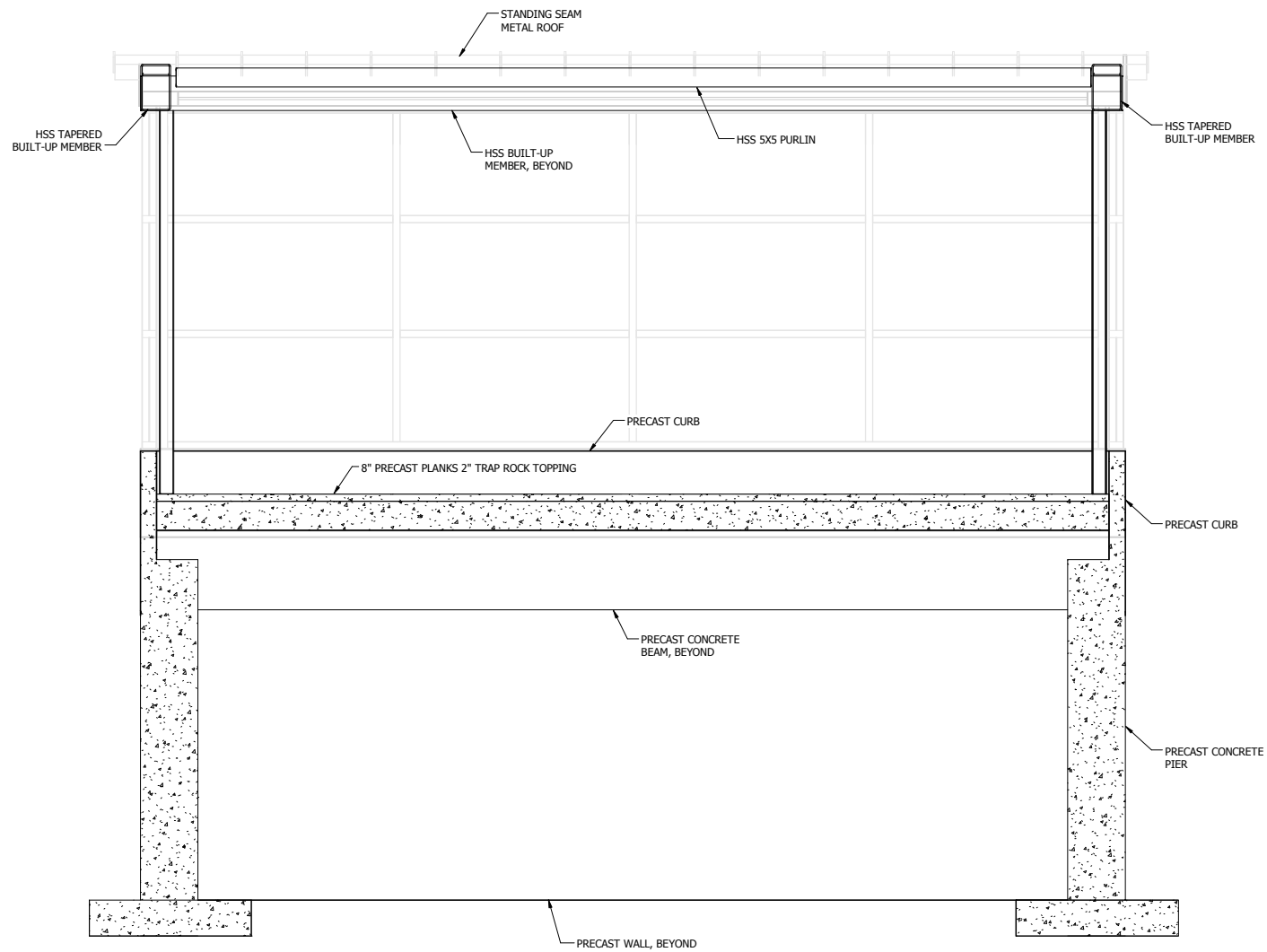








1 TYPICAL WARMING HOUSE SECTION  
1/2" = 1'-0"



2 TYPICAL WARMING HOUSE SECTION  
1/2" = 1'-0"

PLOT DATE: 19-Jul-17 2:53:59 PM

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DYER TO HAMMOND, INDIANA

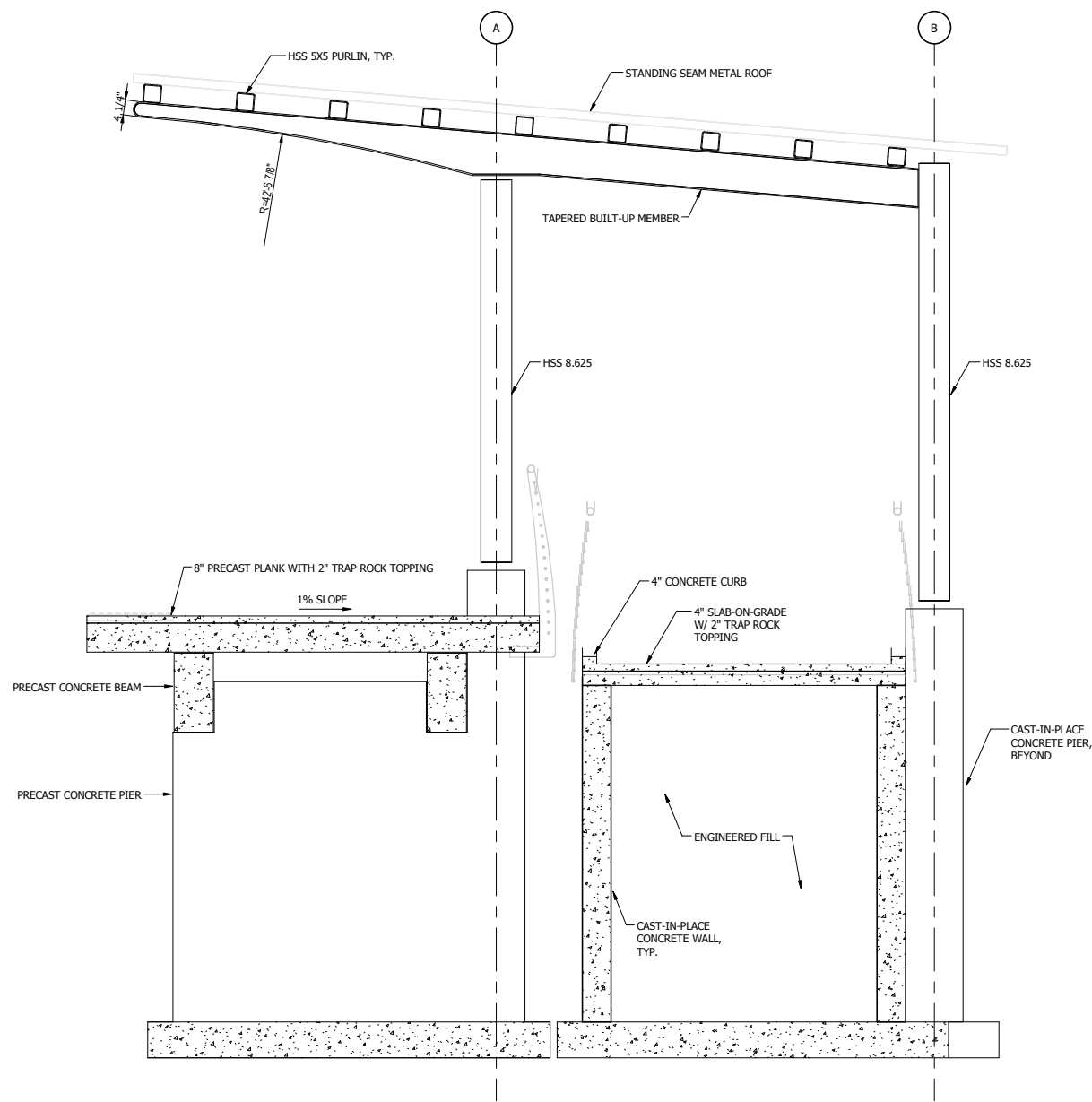
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DATE:	07/21/17

**NOT FOR CONSTRUCTION** SERIES ST-3301

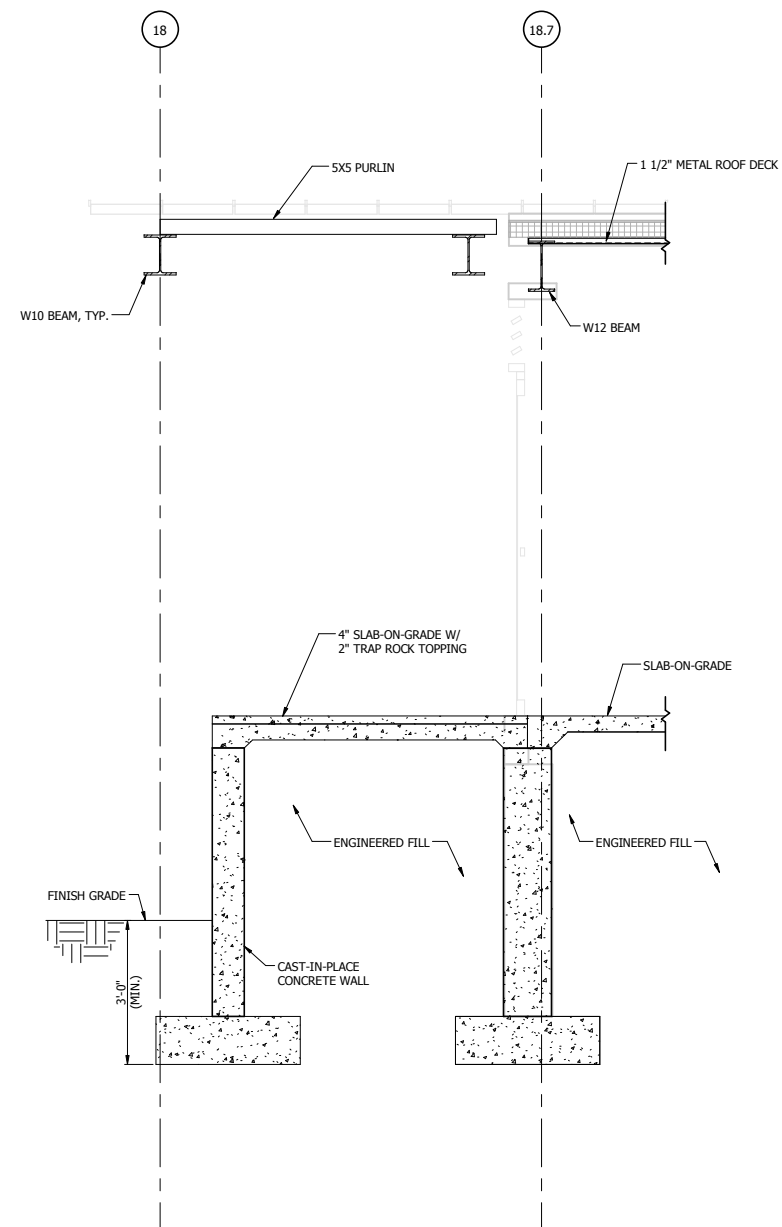
NICTD - WEST LAKE CORRIDOR - MP WL 65.6  
PROJECT NAME  
**SOUTH HAMMOND WARMING  
HOUSE SECTIONS**

FILENAME		SHEET
SCALE	1/2" = 1'-0"	148 OF 361

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1 BUILDING ENTRANCE RAMP SECTION  
1/2" = 1'-0"



2 BUILDING ENTRANCE LANDING SECTION  
1/2" = 1'-0"

PLOT DATE: 19-Jul-17 2:54:00 PM

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DYER TO HAMMOND, INDIANA

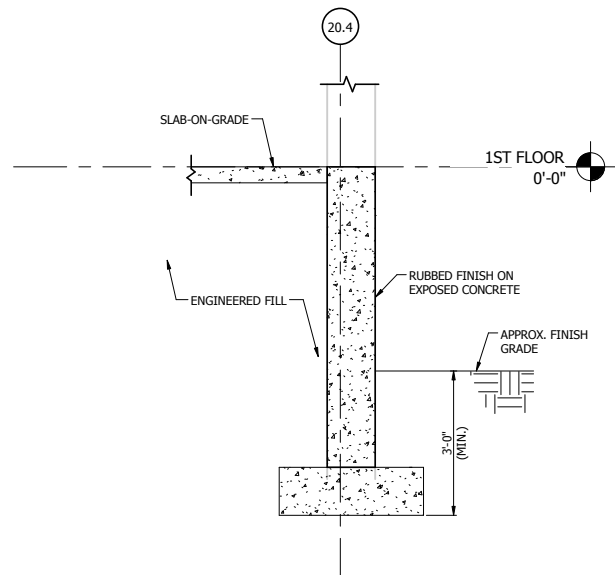
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CHECKED:	CVAN
DATE:	07/21/17

**NOT FOR CONSTRUCTION** SERIES  
ST-3501

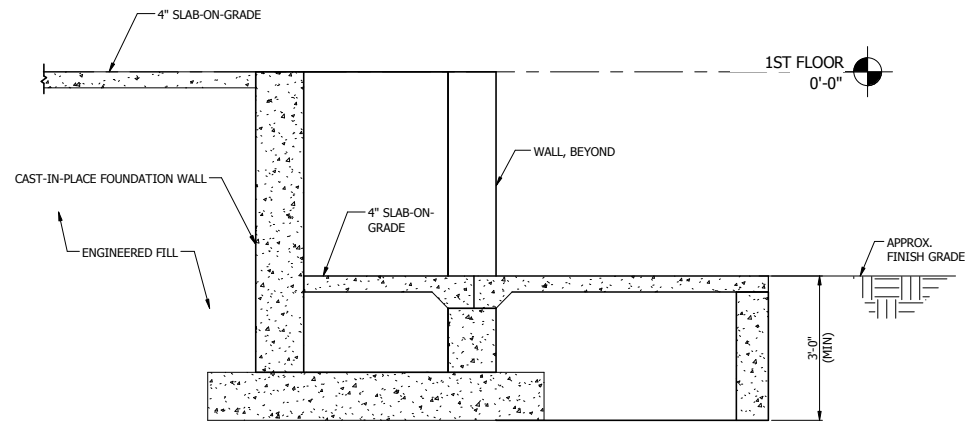
NICTD - WEST LAKE CORRIDOR - MP WL 65.6  
PROJECT NAME  
**SOUTH HAMMOND PLATFORM  
RAMP DETAILS**

FILENAME		SHEET
SCALE	1/2" = 1'-0"	<b>149 OF 361</b>

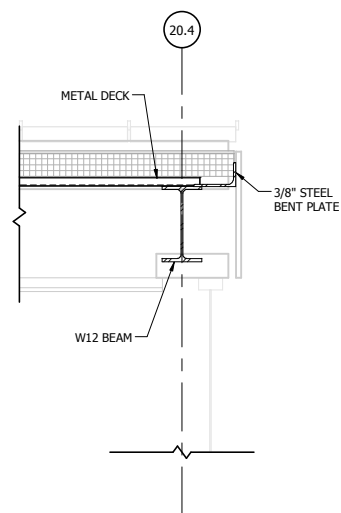
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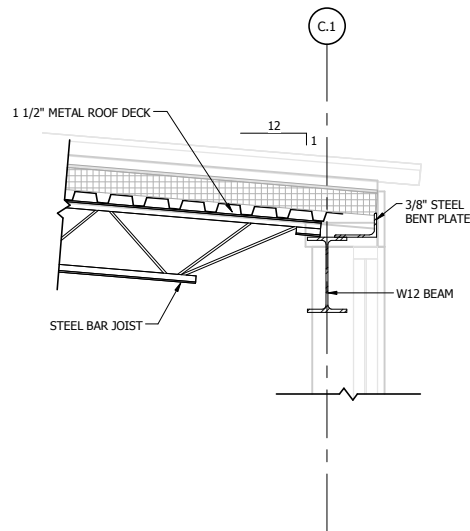
1 TYPICAL FOUNDATION DETAIL  
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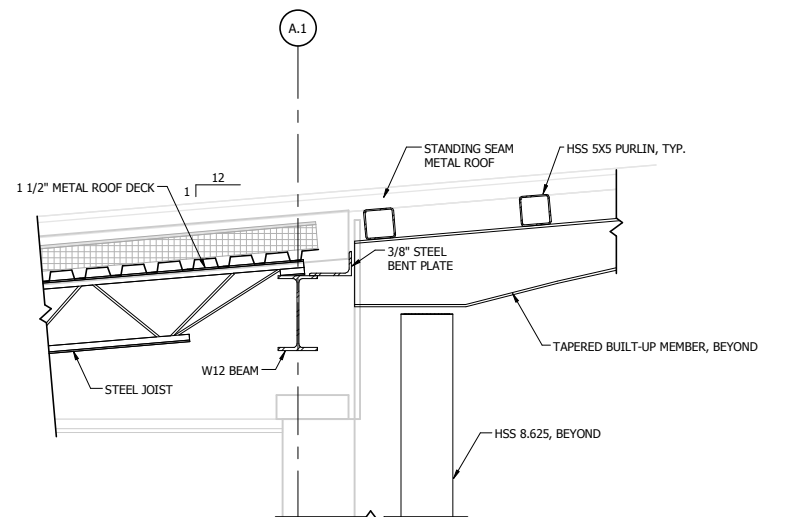
2 IT CLOSET STOOP  
1/2" = 1'-0"



3 TYPICAL DECK BEARING ROOF DETAIL  
3/4" = 1'-0"



4 TYPICAL JOIST BEARING DETAIL  
3/4" = 1'-0"



5 JOIST BEARING AT WEST  
3/4" = 1'-0"

NOT FOR CONSTRUCTION

SERIES  
ST-3502

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**DLZ**

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**NICTD**  
NORTHERN INDIANA COMMUTER  
TRANSPORTATION DISTRICT  
33 East Highway 12  
Chesterton, Indiana 46304

**WEST LAKE**  
CORRIDOR

DYER TO HAMMOND, INDIANA

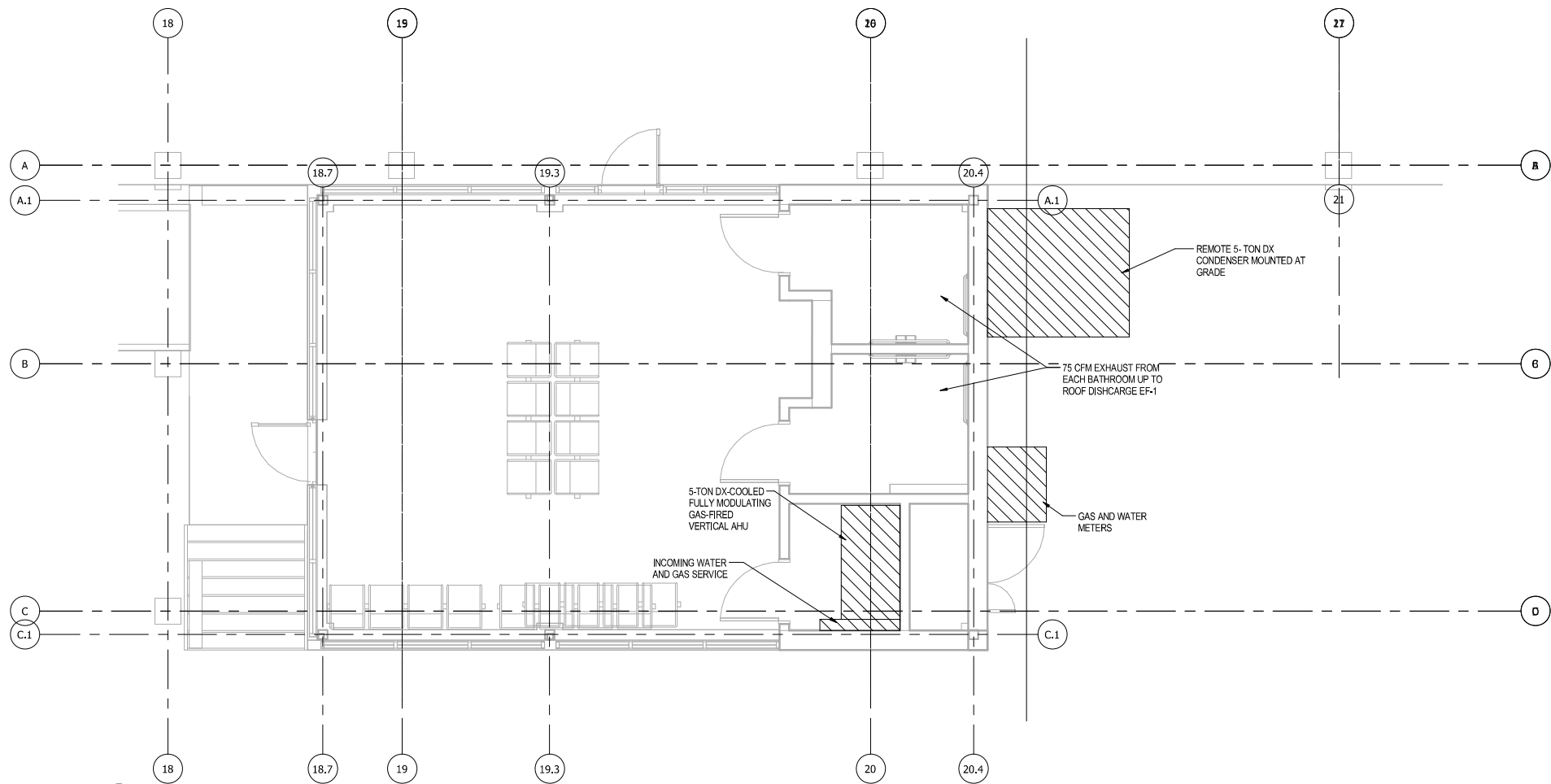
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DRAWN:	VMR
CHECKED:	CVAN
DATE:	07/21/17

NICTD - WEST LAKE CORRIDOR - MP WL 65.6  
PROJECT NAME

**SOUTH HAMMOND STATION  
HOUSE DETAILS**

FILENAME	
SCALE	As indicated

SHEET	150 OF 361
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1 HVAC-OVERALL GROUND FLOOR PLAN  
1/4" = 1'-0"

NOT FOR CONSTRUCTION  
SERIES M-3101

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TRANSPORTATION DISTRICT  
33 East Highway 12  
Chesterton, Indiana 46304



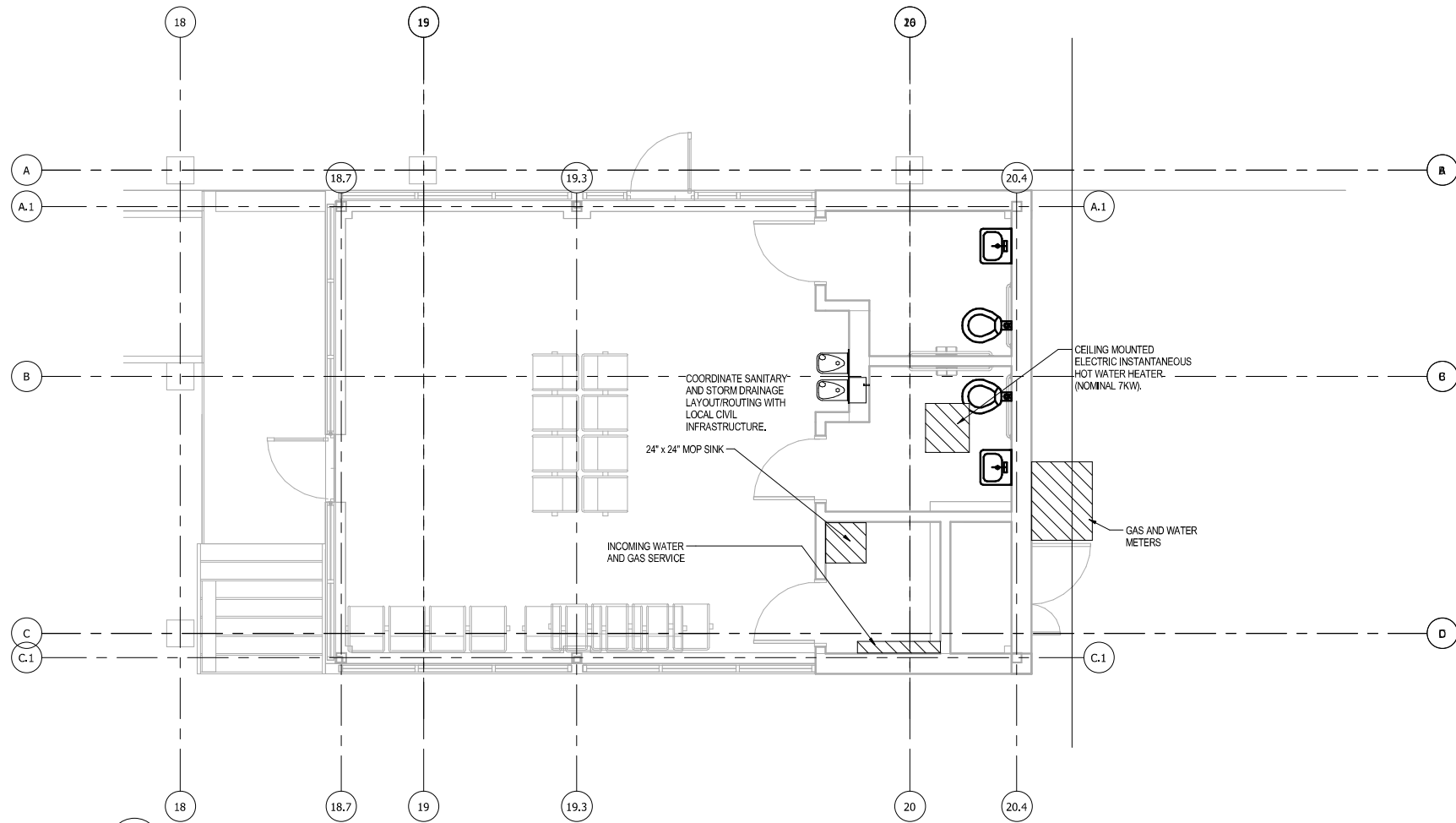
DYER TO HAMMOND, INDIANA

DESIGNED:	ZEA
DRAWN:	ZEA
CHECKED:	ESA
DATE:	07/21/2017

NICTD - WEST LAKE CORRIDOR - MP WL 65.6 Project Name	
SOUTH HAMMOND HVAC-OVERALL GROUND FLOOR PLAN	
FILENAME	SHEET
SCALE 1/4" = 1'-0"	151 OF 361

PLOT DATE: 7/17/2017 8:26:31 AM

PLOT DATE: 7/17/2017 8:26:31 AM



1 PLUM-OVERALL PLUMBING PLAN  
1/4" = 1'-0"

NOT FOR CONSTRUCTION

SERIES  
MP-3101

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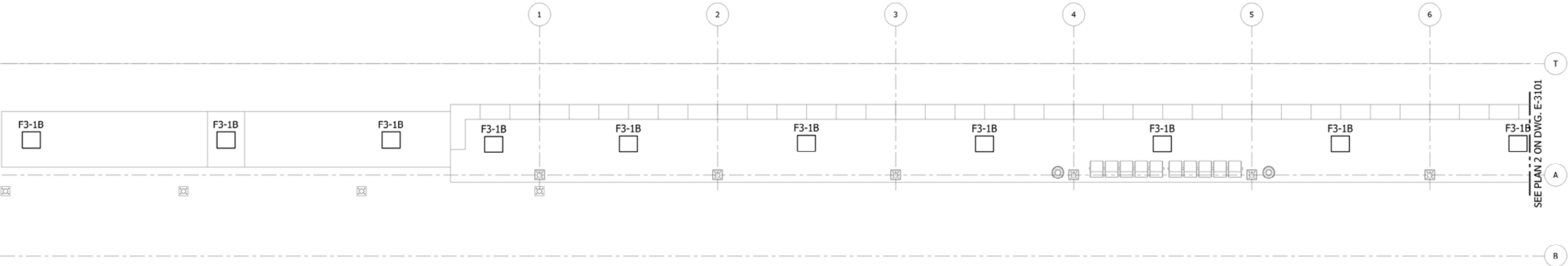


DYER TO HAMMOND, INDIANA

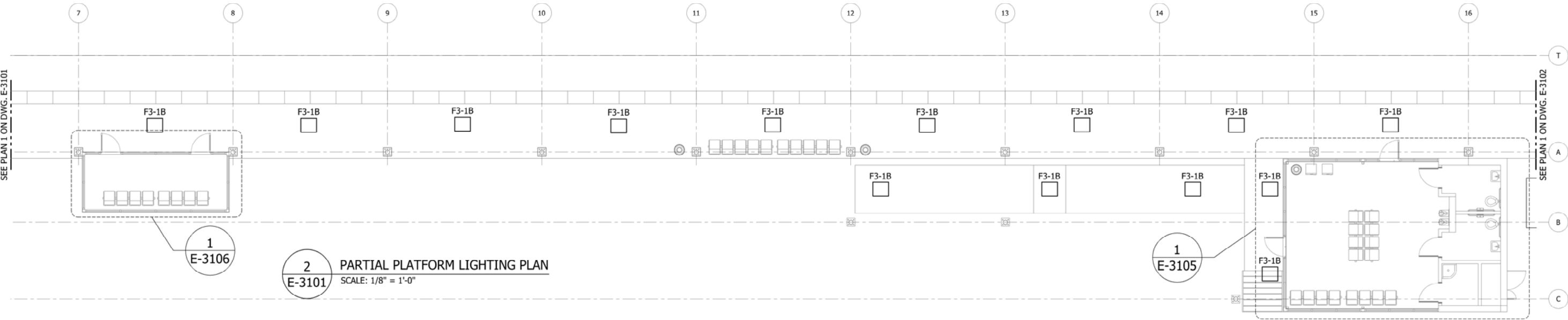
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DRAWN:	ZEA
CHECKED:	ESA
DATE:	07/21/2017

NICTD - WEST LAKE CORRIDOR - MP WL 65.6 Project Name		SHEET	
SOUTH HAMMOND PLUMBING-OVERALL GROUND FLOOR PLAN		152 OF 361	
FILENAME		SCALE	1/4" = 1'-0"

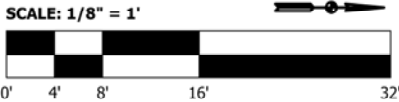
- NOTES:
- SEE SHEETS E-0001 AND E-0002 FOR ELECTRICAL SYMBOL LIST, ABBREVIATIONS, AND GENERAL NOTES.
  - SEE SHEET E-3602 FOR CABLE AND CONDUIT SCHEDULE.
  - SEE SHEET E-0601 FOR LIGHTING FIXTURE SCHEDULE.



1 PARTIAL PLATFORM LIGHTING PLAN  
E-3101 SCALE: 1/8" = 1'-0"



2 PARTIAL PLATFORM LIGHTING PLAN  
E-3101 SCALE: 1/8" = 1'-0"



NOT FOR CONSTRUCTION

SERIES  
E-3101

NICTD - WEST LAKE CORRIDOR - MP WL 65.6  
SOUTH HAMMOND STATION

PARTIAL PLATFORM LIGHTING PLANS

FILENAME	SHT_WL_E_SHAMMOND_PL_01	SHEET	153 OF 361
SCALE	1/8" = 1' - 0"		

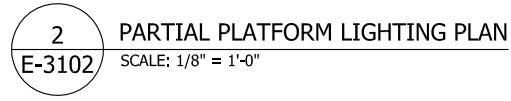
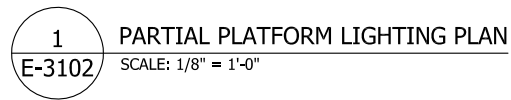


DYER TO HAMMOND, INDIANA

DESIGNED: A. FAREKAS  
DRAWN: C. MARTIN  
CHECKED: M. BLUMENTHAL  
DATE: 07/21/17



1. SEE SHEETS E-0001 AND E-0002 FOR ELECTRICAL SYMBOL LIST, ABBREVIATIONS, AND GENERAL NOTES.
2. SEE SHEET E-3602 FOR CABLE AND CONDUIT SCHEDULE.
3. SEE SHEET E-0601 FOR LIGHTING FIXTURE SCHEDULE.



DESIGNED:	A. FAREKAS
DRAWN:	C. MARTIN
CHECKED:	M. BLUMENTHAL
DATE:	07/21/17

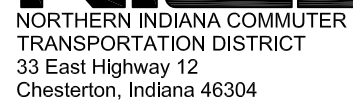
SERIES  
E-3102

## PARTIAL PLATFORM LIGHTING PLANS

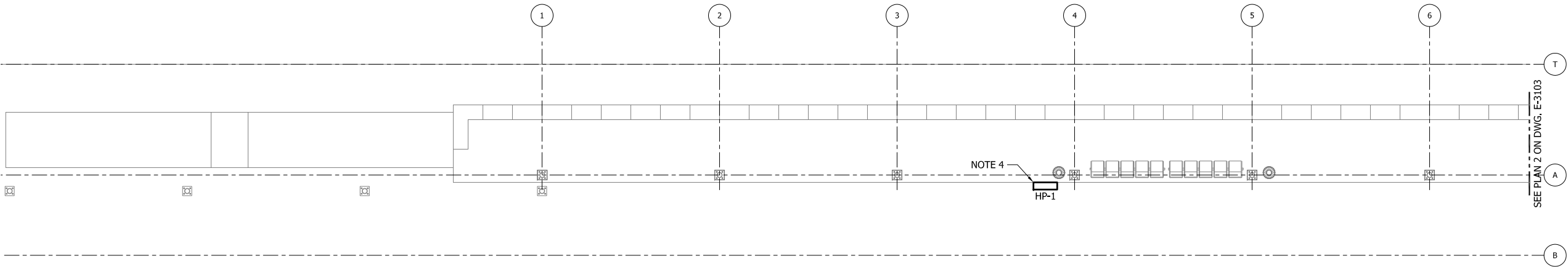
FILENAME	SHT_WL_E_SHAMMOND_PL_02
SCALE	1/8" = 1' - 0"

SHEET

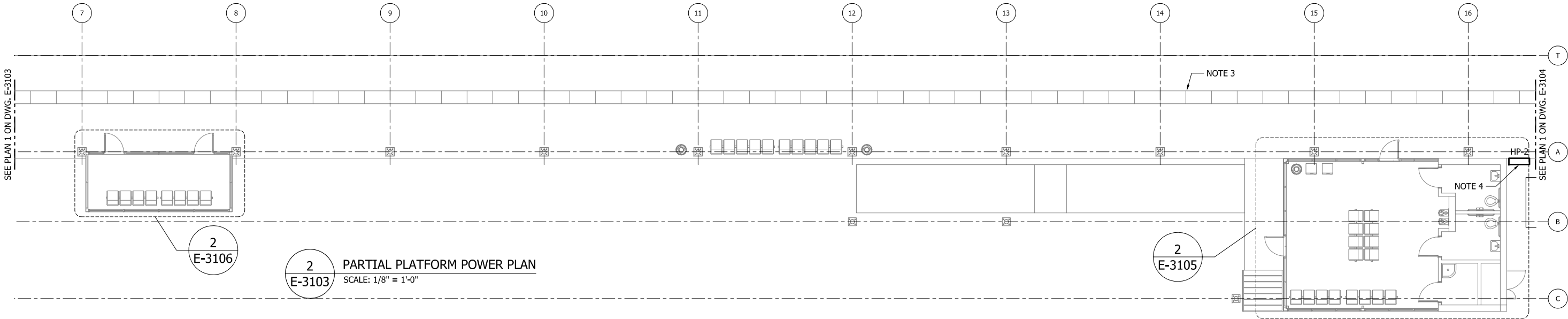
154 OF 361

[illegible]

- NOTES:**
- SEE SHEETS E-0001 AND E-0002 FOR ELECTRICAL SYMBOL LIST, ABBREVIATIONS, AND GENERAL NOTES.
  - SEE SHEET E-3602 FOR CABLE AND CONDUIT SCHEDULE.
  - PROVIDE HEAT TRACING IN RAMPS, STAIRS AND PLATFORM.
  - APPROXIMATE LOCATION FOR HEAT TRACING PANEL.

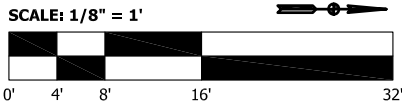


1  
E-3103  
PARTIAL PLATFORM POWER PLAN  
SCALE: 1/8" = 1'-0"



2  
E-3103  
PARTIAL PLATFORM POWER PLAN  
SCALE: 1/8" = 1'-0"

2  
E-3105



**NOT FOR CONSTRUCTION** SERIES E-3103

NICTD - WEST LAKE CORRIDOR - MP WL 65.6  
SOUTH HAMMOND STATION

PARTIAL PLATFORM POWER PLANS

FILENAME	SHT_WL_E_SHAMMOND_PL_03	SHEET	155 OF 361
SCALE	1/8" = 1' - 0"		

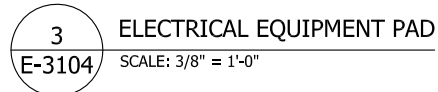
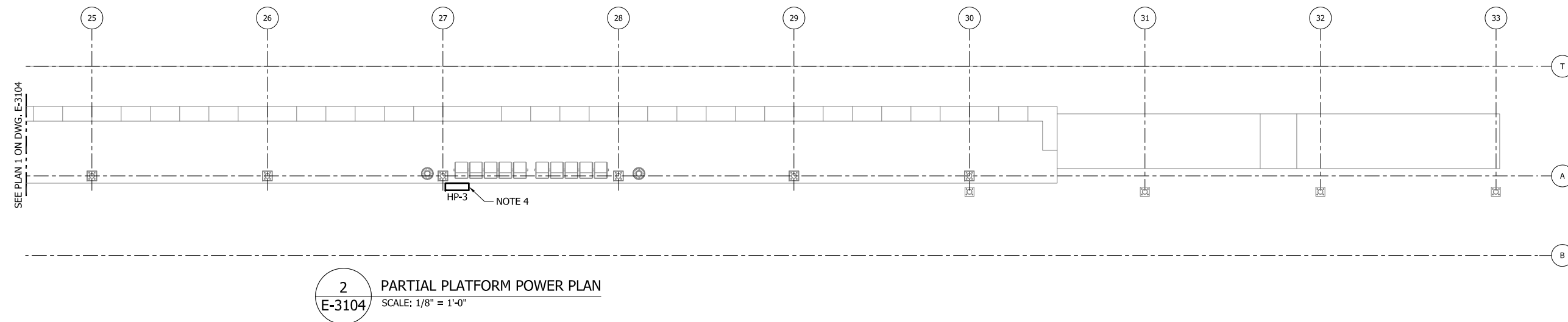


ISSUE	DATE	DESCRIPTION

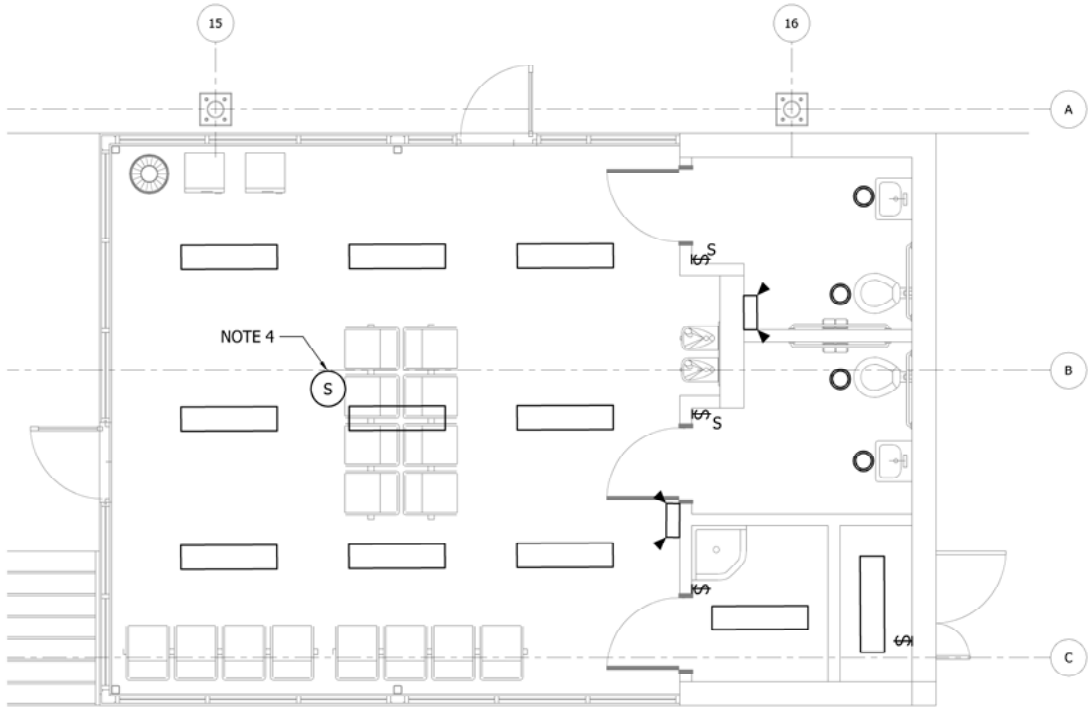


DESIGNED:	A. FAREKAS
DRAWN:	C. MARTIN
CHECKED:	M. BLUMENTHAL
DATE:	07/21/17

1. SEE SHEETS E-0001 AND E-0002 FOR ELECTRICAL SYMBOL LIST, ABBREVIATIONS, AND GENERAL NOTES.
2. SEE SHEET E-3602 FOR CABLE AND CONDUIT SCHEDULE.
3. PROVIDE HEAT TRACING IN RAMPS, STAIRS AND PLATFORM.
4. APPROXIMATE LOCATION FOR HEAT TRACING PANEL.

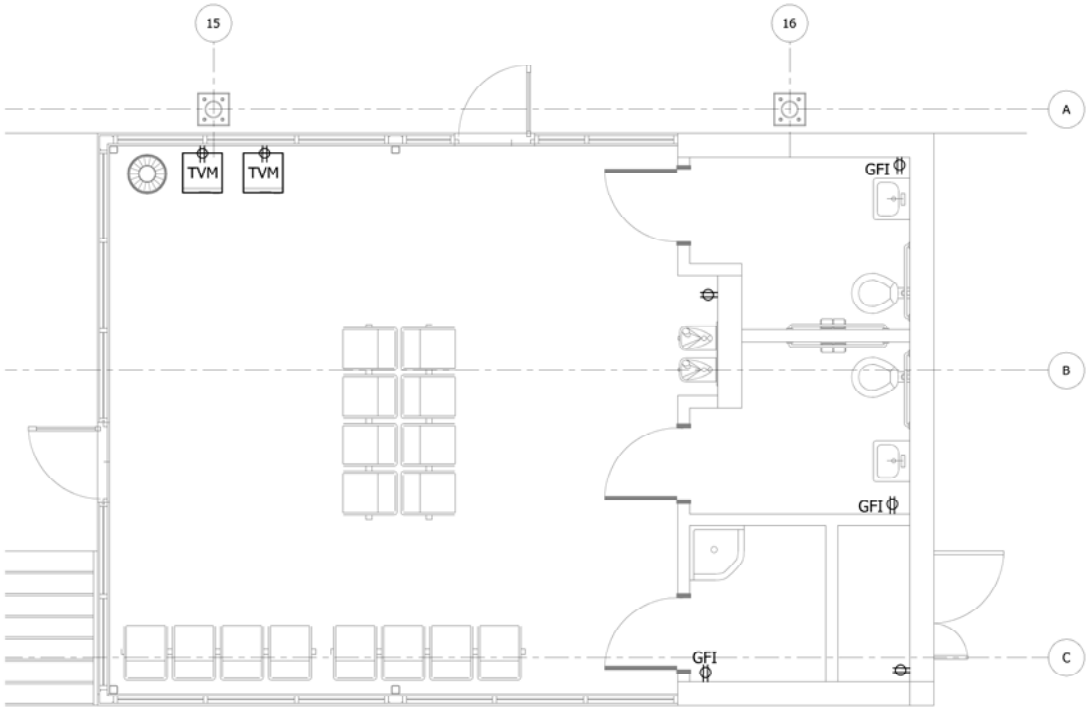


- NOTES:
- SEE SHEETS E-0001 AND E-0002 FOR ELECTRICAL SYMBOL LIST, ABBREVIATIONS, AND GENERAL NOTES.
  - SEE SHEET E-3602 FOR CABLE AND CONDUIT SCHEDULE.
  - SEE SHEET E-0601 FOR LIGHTING FIXTURE SCHEDULE.
  - CEILING MOUNTED MOTION SENSOR.



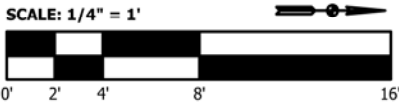
1  
E-3105

STATION BUILDING LIGHTING PLAN  
SCALE: 1/4" = 1'-0"



2  
E-3105

STATION BUILDING POWER PLAN  
SCALE: 1/4" = 1'-0"



PLOT DATE: 07/19/2017 9:26:50 PM



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TRANSPORTATION DISTRICT  
33 East Highway 12  
Chesterton, Indiana 46304



DYER TO HAMMOND, INDIANA

DESIGNED: A. FAREKAS  
DRAWN: C. MARTIN  
CHECKED: M. BLUMENTHAL  
DATE: 07/21/17

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SERIES  
E-3105

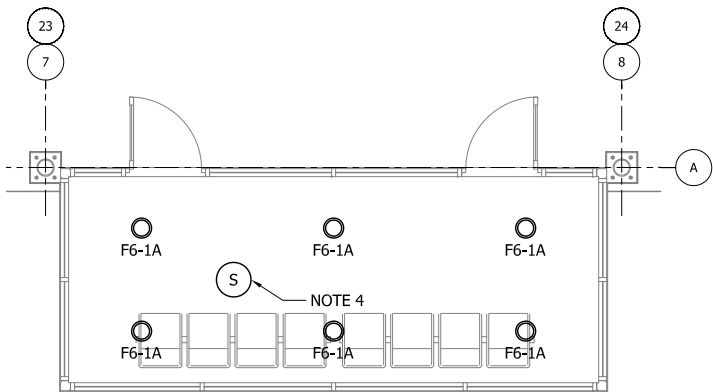
NICTD - WEST LAKE CORRIDOR - MP WL 65.6  
SOUTH HAMMOND STATION

STATION BUILDING PLANS

FILENAME SHT\_WL\_E\_SHAMMOND\_PL\_05  
SCALE 1/4" = 1' - 0"

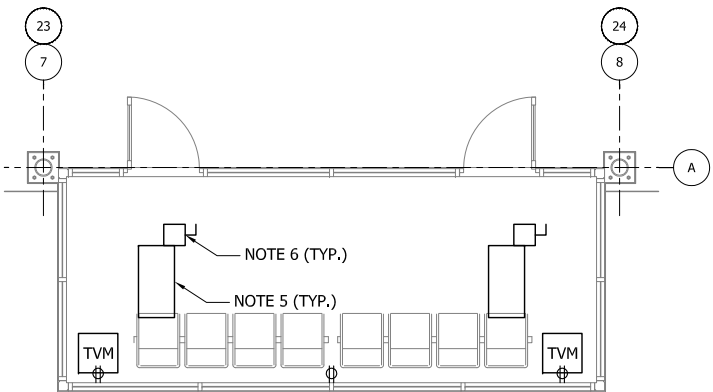
SHEET  
157 OF 361

- NOTES:
- SEE SHEETS E-0001 AND E-0002 FOR ELECTRICAL SYMBOL LIST, ABBREVIATIONS, AND GENERAL NOTES.
  - SEE SHEET E-3602 FOR CABLE AND CONDUIT SCHEDULE.
  - SEE SHEET E-0601 FOR LIGHTING FIXTURE SCHEDULE.
  - CEILING MOUNTED MOTION SENSOR.
  - INFRARED HEATERS.
  - SIZE DISCONNECT SWITCHES FOR INFRARED HEATER SIZE.



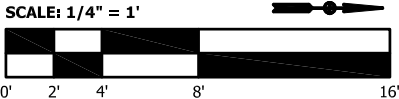
1  
E-3106

TYPICAL WARMING HUT LIGHTING PLAN  
SCALE: 1/4" = 1'-0"



2  
E-3106

TYPICAL WARMING HUT POWER PLAN  
SCALE: 1/4" = 1'-0"



NOT FOR CONSTRUCTION

SERIES  
E-3106

NICTD - WEST LAKE CORRIDOR - MP WL 65.6  
SOUTH HAMMOND STATION

TYPICAL WARMING HUT PLANS

FILENAME	SHT_WL_E_SHAMMOND_PL_06	SHEET
SCALE	1/4" = 1' - 0"	158 OF 361

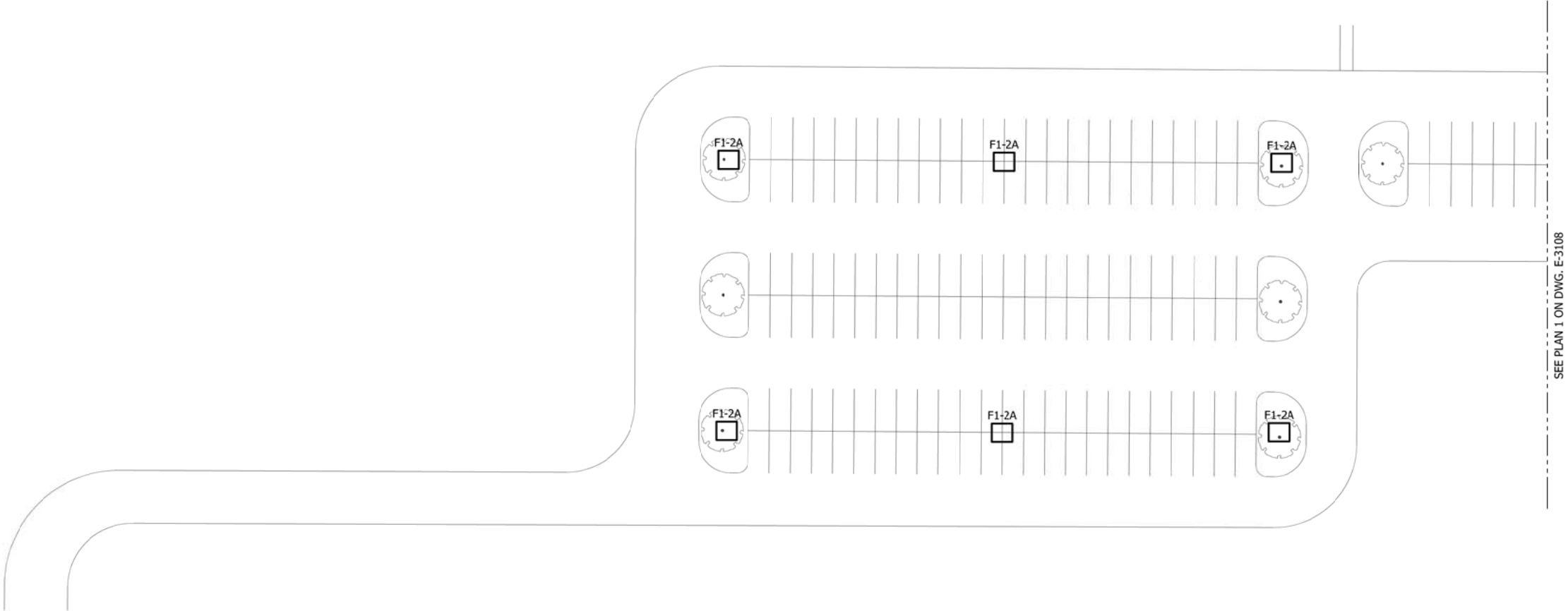


ISSUE	DATE	DESCRIPTION

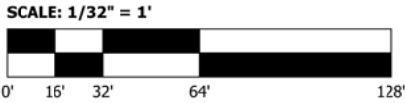


DESIGNED:	A. FAREKAS
DRAWN:	C. MARTIN
CHECKED:	M. BLUMENTHAL
DATE:	07/21/17

- NOTES:
- 1. SEE SHEETS E-0001 AND E-0002 FOR ELECTRICAL SYMBOL LIST, ABBREVIATIONS, AND GENERAL NOTES.
  - 2. SEE SHEET E-3602 FOR CABLE AND CONDUIT SCHEDULE.
  - 3. SEE SHEET E-0601 FOR LIGHT FIXTURE SCHEDULE.



SEE PLAN 1 ON DWG. E-3108

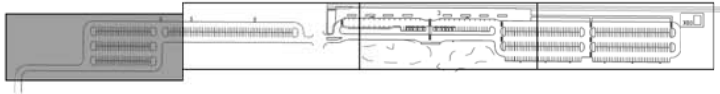


1

E-3107

PARKING LOT LIGHTING PLAN

SCALE: 1/32" = 1'-0"



KEY PLAN

NOT FOR CONSTRUCTION

SERIES  
E-3107

NICTD - WEST LAKE CORRIDOR - MP WL 65.6  
SOUTH HAMMOND STATION

PARKING LOT LIGHTING PLAN

FILENAME	SHT_WL_E_SHAMMOND_PL_07	SHEET
SCALE	1/32" = 1' - 0"	159 OF 361

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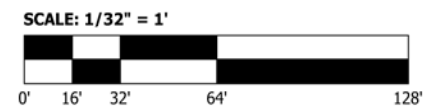
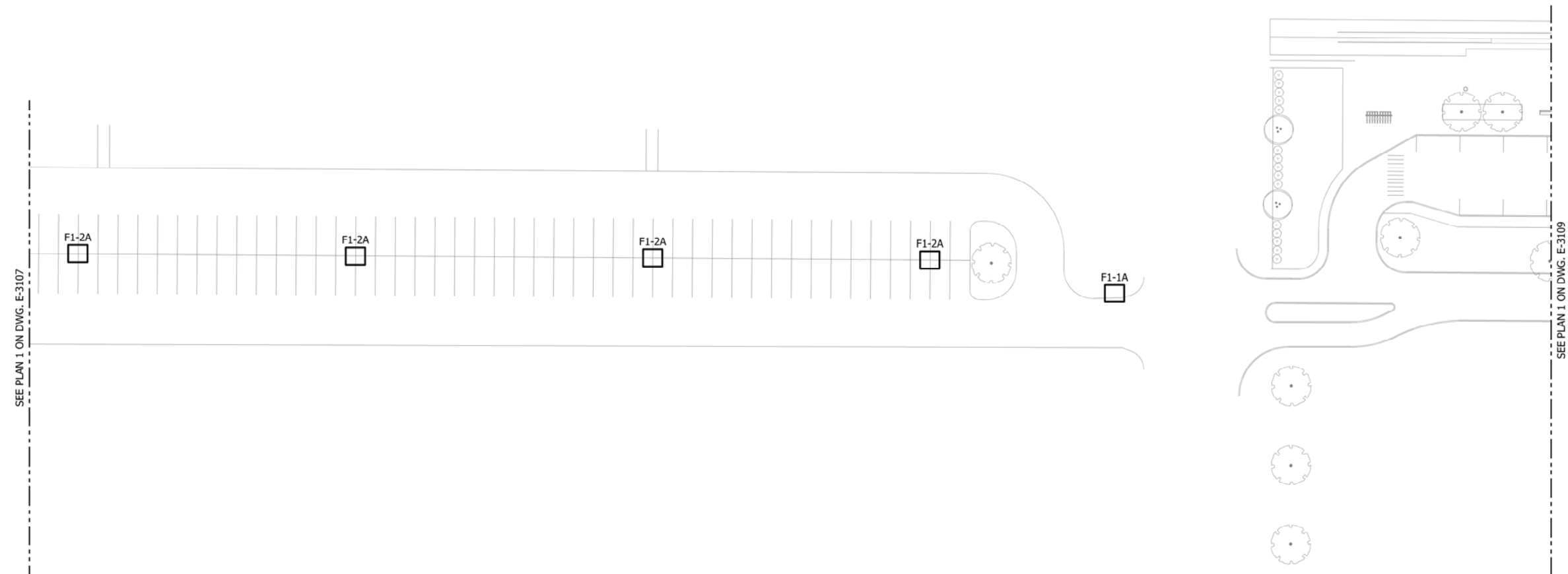
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DYER TO HAMMOND, INDIANA

DESIGNED:	A. FAREKAS
DRAWN:	C. MARTIN
CHECKED:	M. BLUMENTHAL
DATE:	07/21/17



1. SEE SHEETS E-0001 AND E-0002 FOR ELECTRICAL SYMBOL LIST, ABBREVIATIONS, AND GENERAL NOTES.
2. SEE SHEET E-3602 FOR CABLE AND CONDUIT SCHEDULE.
3. SEE SHEET E-0601 FOR LIGHT FIXTURE SCHEDULE.



1 PARKING LOT LIGHTING PLAN  
E-3108 SCALE: 1/32" = 1'-0"



### KEY PLAN

**NOT FOR CONSTRUCTION**

**SERIES**  
**E-3108**

NICTD - WEST LAKE CORRIDOR - MP WL 65.6  
SOUTH HAMMOND STATION

## PARKING LOT LIGHTING PLANS

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DRAWN:	C. MARTIN
CHECKED:	M. BLUMENTHAL
DATE:	07/21/17

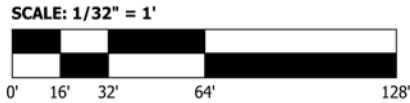
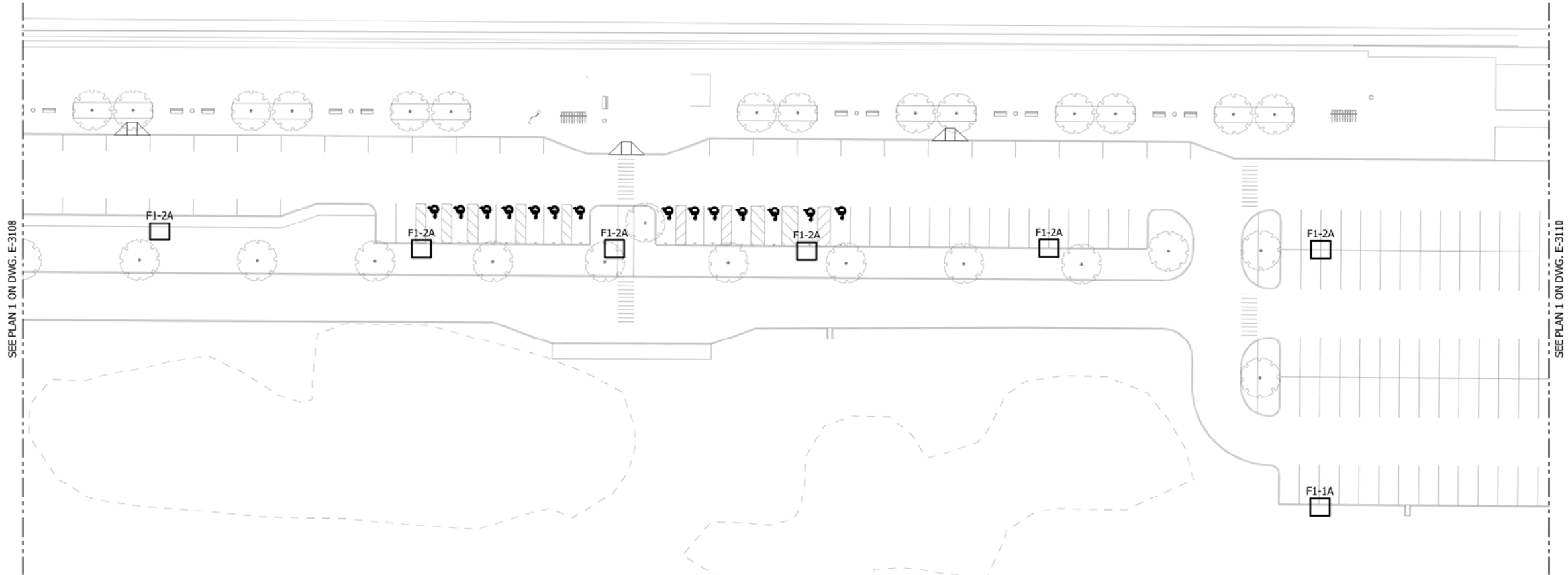
FILENAME	SHT_WL_E_SHAMMOND_PL_08	SHEET		
SCALE	1/32" = 1' - 0"	160	OF	361

PLOT DATE: 07/19/2017 9:29:03 PM

[illegible]

## DYER TO HAMMOND, INDIANA

- NOTES:
- SEE SHEETS E-0001 AND E-0002 FOR ELECTRICAL SYMBOL LIST, ABBREVIATIONS, AND GENERAL NOTES.
  - SEE SHEET E-3602 FOR CABLE AND CONDUIT SCHEDULE.
  - SEE SHEET E-0601 FOR LIGHT FIXTURE SCHEDULE.

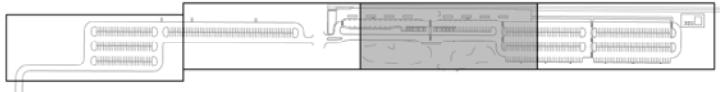


1

E-3109

PARKING LOT LIGHTING PLAN

SCALE: 1/32" = 1'-0"



KEY PLAN

NOT FOR CONSTRUCTION

SERIES  
E-3109

NICTD - WEST LAKE CORRIDOR - MP WL 65.6  
SOUTH HAMMOND STATION

PARKING LOT LIGHTING PLANS

FILENAME	SHT_WL_E_SHAMMOND_PL_09	SHEET	161	OF	361
SCALE	1/32" = 1' - 0"				



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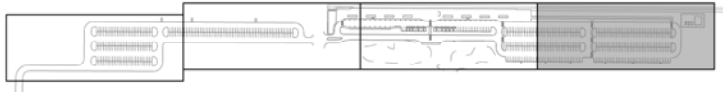
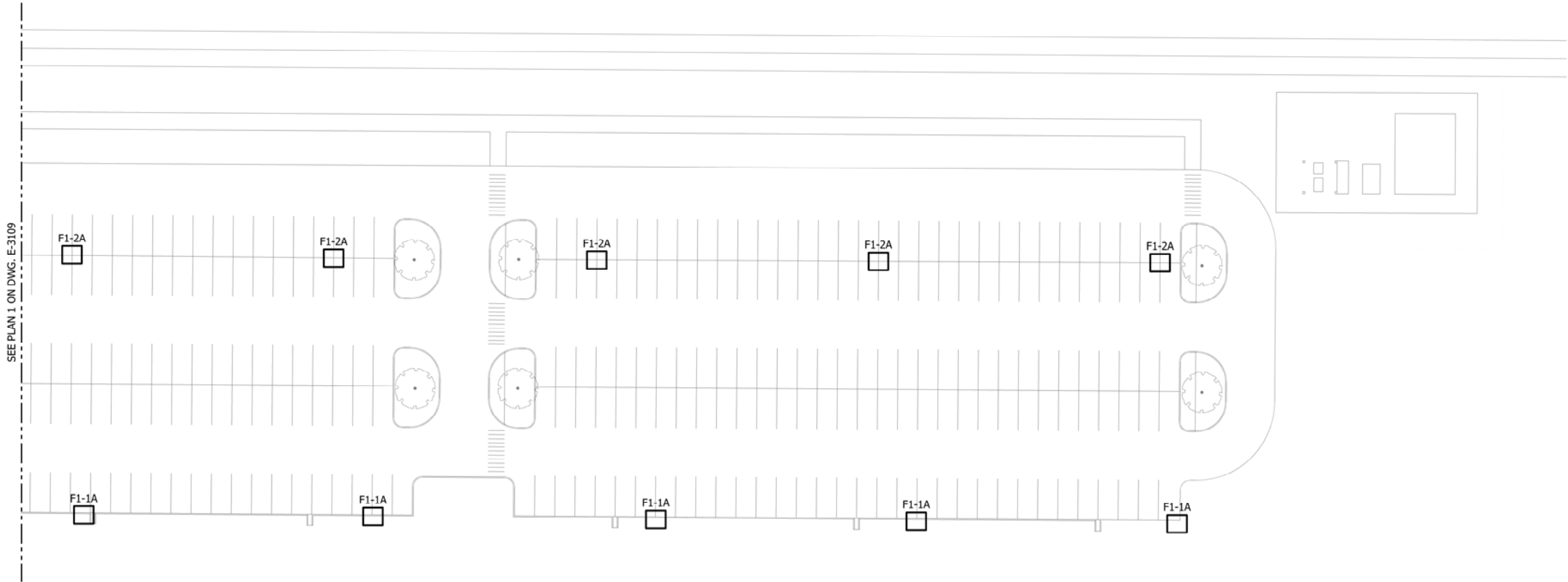


DYER TO HAMMOND, INDIANA

DESIGNED:	A. FAREKAS
DRAWN:	C. MARTIN
CHECKED:	M. BLUMENTHAL
DATE:	07/21/17

PLOT DATE: 07/19/2017 9:29:29 PM

- NOTES:
- SEE SHEETS E-0001 AND E-0002 FOR ELECTRICAL SYMBOL LIST, ABBREVIATIONS, AND GENERAL NOTES.
  - SEE SHEET E-3602 FOR CABLE AND CONDUIT SCHEDULE.
  - SEE SHEET E-0601 FOR LIGHT FIXTURE SCHEDULE.



KEY PLAN

NOT FOR CONSTRUCTION

SERIES  
E-3110

NICTD - WEST LAKE CORRIDOR - MP WL 65.6  
SOUTH HAMMOND STATION

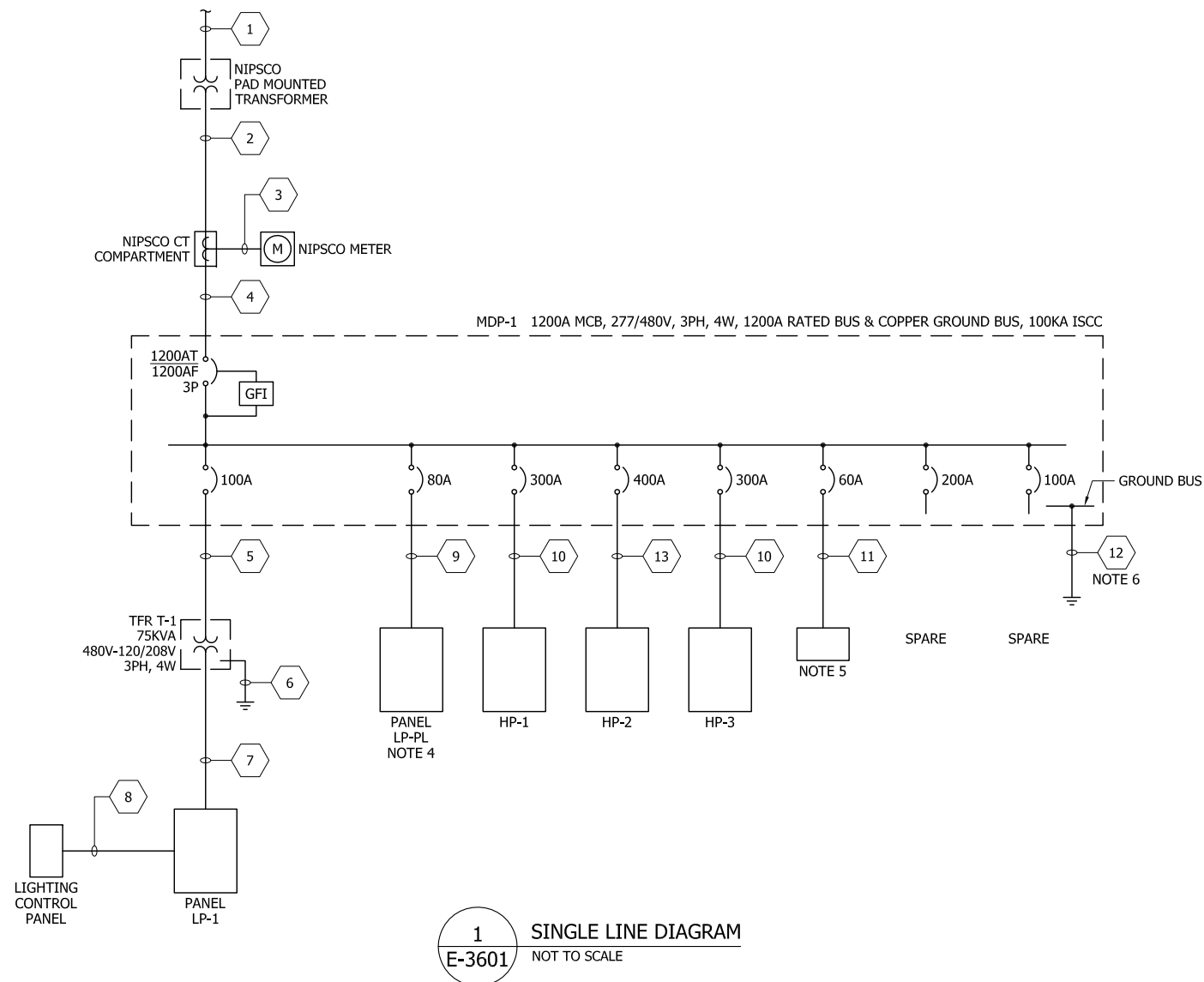
PARKING LOT LIGHTING PLANS

FILENAME	SHT_WL_E_SHAMMOND_PL_10	SHEET	162 OF 361
SCALE	1/32" = 1' - 0"		



DESIGNED:	A. FAREKAS
DRAWN:	C. MARTIN
CHECKED:	M. BLUMENTHAL
DATE:	07/21/17

1. SEE SHEETS E-0001 AND E-0002 FOR ELECTRICAL SYMBOL LIST, ABBREVIATIONS, AND GENERAL NOTES.
2. ALL PANELBOARDS AND TRANSFORMERS IN STAINLESS STEEL ENCLOSURES, NEMA 3R, GASKETED WITH HEATERS. ALL PANELBOARDS AND TRANSFORMERS ARE MOUNTED OUTSIDE.
3. ALL CIRCUIT BREAKERS ARE 3 POLE, UNO.
4. REMOTE MOUNTED PARKING LOT LIGHT CONTROLLER.
5. SURGE PROTECTION DEVICE. 400KA PER PHASE.
6. GROUND CABLE GROUNDED TO TRIAD OF 3-10 FOOT LONG, 3/4" DIA. STAINLESS STEEL GROUNDING RODS.
7. MDP-1 SHALL BE SERVICE ENTRANCE RATED AND UL LISTED.
8. ALL EQUIPMENT SHALL BE MOUNTED ON CONCRETE FOUNDATION/BASE, EXTENDING 6" PAST EQUIPMENT IN ALL DIRECTIONS AND 6" A.F.G.



PLOT DATE: 07/19/2017 9:23:19 PM



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[illegible]

## DYER TO HAMMOND, INDIANA

DESIGNED:	A. FAREKAS
DRAWN:	C. MARTIN
CHECKED:	M. BLUMENTHAL
DATE:	07/21/17

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**SERIES**  
**E-3601**

NICTD - WEST LAKE CORRIDOR - MP WL 65.6  
SOUTH HAMMOND STATION

### SINGLE LINE DIAGRAM

FILENAME	SHT_WL_E_SHAMMOND_GN_01	SHEET <b>163 OF 361</b>
SCALE	NONE	

PLOT DATE: 07/19/2017 9:23:42 PM

CABLE AND CONDUIT SCHEDULE			
LEGEND NUMBER	CABLE DESCRIPTION QUANTITY/SIZES	CONDUIT SIZE (INCHES)	NOTES
1		(2) 4	2
2	3 SETS 4 #600 KCMIL & 1 #250 KCMIL GRD	(3) 4	3
3	10 #10 AWG	1	4
4	3 SETS 4 #600 KCMIL & 1 #250 KCMIL GRD	(3) 4	4
5	3 #2 AWG & 1 #8 AWG GRD	1½	4
6	1 #2 AWG GRD	1	4, 5
7	4 #4/0 AWG & 1 #2 AWG GRD	2½	4
8	4 SETS 8 #8 AWG & 1 #10 AWG GRD	(4) 1½	4, 6
9	4 #2 AWG & 1 #4 AWG GRD	2	3
10	4 #500 KCMIL & 1 #3 AWG GRD	3½	4
11	4 #6 AWG & 1 #8 AWG GRD	1	4
12	1 #250 KCMIL GRD	2	4
13	4 #600 KCMIL & 1 #2 AWG GRD	3½	4
14			
15			

- NOTES:
- SEE SHEETS E-0001 AND E-0002 FOR ELECTRICAL SYMBOL LIST, ABBREVIATIONS, AND GENERAL NOTES.
  - 2-4" PVC SCHEDULE 40 CONDUITS TO NIPSCO POLE FOR PRIMARY TRANSFORMER FEEDER CABLE. CABLE FURNISHED AND INSTALLED BY NIPSCO.
  - CONDUIT, PVC SCHEDULE 40.
  - CONDUIT TO BE GRC.
  - GROUND CABLE GROUNDED TO 10 FOOT LONG, ¾" DIA. STAINLESS STEEL GROUNDING ROD.
  - 2 CONDUITS ARE FOR FUTURE.



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DYER TO HAMMOND, INDIANA

DESIGNED:	A. FAREKAS
DRAWN:	C. MARTIN
CHECKED:	M. BLUMENTHAL
DATE:	07/21/17

NOT FOR CONSTRUCTION		SERIES E-3602	
NICTD - WEST LAKE CORRIDOR - MP WL 65.6 SOUTH HAMMOND STATION			
CABLE AND CONDUIT SCHEDULE			
FILENAME	SHT_WL_E_SHAMMOND_GN_02	SHEET	
SCALE	NONE	164	OF 361



PLOT DATE: 07/19/2017 9:24:11 PM

- NOTES:
- SEE SHEETS E-0001 AND E-0002 FOR ELECTRICAL SYMBOL LIST, ABBREVIATIONS, AND GENERAL NOTES.

PANEL: LP-1						MAIN 225A MCB						
VOLTAGE: 120/208V, 3P, 4W						MOUNTING						
ENCLOSURE: NEMA 3R						BUS 250A WITH GROUND BUS						
CIRCUIT USE	BREAKERS		LOAD (VA)			CKT #	LOAD (VA)			BREAKERS		CIRCUIT USE
	TRIP	POLE	A	B	C		A	B	C	TRIP	POLE	
SPARE	20	1				1	2			20	1	SPARE
SPARE	20	1				3	4			20	1	SPARE
SPARE	20	1				5	6			20	1	SPARE
SPARE	20	1				7	8			20	1	SPARE
SPARE	20	1				9	10			20	1	SPARE
SPARE	20	1				11	12			20	1	SPARE
SPARE	20	1				13	14			20	1	SPARE
SPARE	20	1				15	16			20	1	SPARE
SPARE	20	1				17	18			20	1	SPARE
SPARE	20	1				19	20			20	1	SPARE
SPARE	20	1				21	22			20	1	SPARE
SPARE	20	1				23	24			20	1	SPARE
SPARE	20	1				25	26			20	1	SPARE
SPARE	20	1				27	28			20	1	SPARE
SPARE	20	1				29	30			20	1	SPARE
SPARE	20	1				31	32			20	1	SPARE
SPARE	20	1				33	34			20	1	SPARE
SPARE	20	1				35	36			20	1	SPARE
SPARE	20	1				37	38			20	1	SPARE
SPARE	20	1				39	40			20	1	SPARE
SPARE	20	1				41	42			20	1	SPARE
TOTALS	20	1	0	0	0		0	0	0	20	1	
PHASE A:	0 VA											
PHASE B:	0 VA											
PHASE C:	0 VA											
TOTAL CONNECTED VA	0 VA											
AMPS	0 A		CONNECTED									
1.25X AMPS	0 A											

NOT FOR CONSTRUCTION

SERIES  
E-3603

NICTD - WEST LAKE CORRIDOR - MP WL 65.6  
SOUTH HAMMOND STATION

PANELBOARD SCHEDULES

FILENAME SHT\_WL\_E\_SHAMMOND\_GN\_03  
SCALE NONE

SHEET  
165 OF 361



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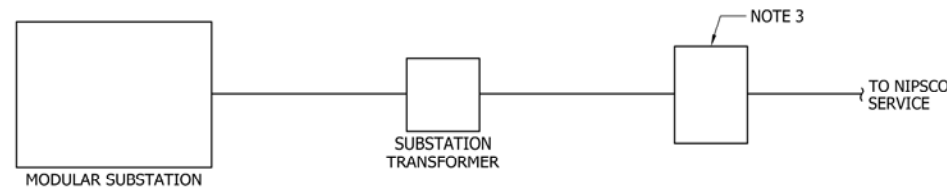
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DYER TO HAMMOND, INDIANA



1 SUBSTATION SINGLE LINE DIAGRAM  
E-3604 NOT TO SCALE



2 PICTURE OF TYPICAL SWITCH  
E-3604 NOT TO SCALE

- NOTES:
- SEE SHEETS E-0001 AND E-0002 FOR ELECTRICAL SYMBOL LIST, ABBREVIATIONS, AND GENERAL NOTES.
  - SEE SHEET E-3602 FOR CABLE AND CONDUIT SCHEDULE.
  - 69KV GROUND OPERATED VERTICAL BREAKER SWITCH.
  - USE ALUMINUM WIRING FOR CONNECTION.
  - PROVIDE CONCRETE FOUNDATION FOR SWITCH.
  - PROVIDE FENCING AROUND SWITCH AND TRANSFORMER AND NIPSCO SWITCH AREA AHEAD OF SWITCH. COORDINATE EXACT AREA REQUIREMENTS WITH NIPSCO.
  - PROVIDE TUBULAR I-BEAM SUPPORT STAND.
  - ALL DESIGNS MUST BE CERTIFIED BY STRUCTURAL ENGINEER.
  - PROVIDE LIGHTS ON STRUCTURE UP/DOWN AND AREA WITH WEATHERPROOF LED FLOODLIGHTS.
  - NIPSCO BUS SUPPORT SHALL HAVE LIGHTNING PROTECTION.
  - SWITCH SHALL HAVE HAND OPERATED MANUAL AUXILIARY INLINE SWITCH.
  - STRUCTURE SHALL BE PROPERLY GROUNDED PER NIPSCO SPECIFICATIONS.
  - PROVIDE WEATHERPROOF OUTDOOR GFI SERVICE RECEPTACLES ON EACH SUPPORT LEG OF SWITCH.
  - SWITCH SHALL BE VERTICAL BREAK SWITCH VBI BY EM SPEC OR APPROVED EQUAL. CONTACT MARK SNYDER, 734-645-2886.
  - COORDINATE EXACT LOCATION WITH ARCHITECTURAL SITE PLAN DRAWING.

PLOT DATE: 07/19/2017 9:24:26 PM



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DESIGNED:	A. FAREKAS
DRAWN:	C. MARTIN
CHECKED:	M. BLUMENTHAL
DATE:	07/21/17

NOT FOR CONSTRUCTION		SERIES E-3604
NICTD - WEST LAKE CORRIDOR - MP WL 66.9 SOUTH HAMMOND SUBSTATION		
SOUTH HAMMOND SUBSTATION SERVICE		
FILENAME	SHT_WL_E_SHAMMOND_GN_04	SHEET 166 OF 361
SCALE	NONE	

1. SEE SHEETS E-0001 AND E-0002 FOR ELECTRICAL SYMBOL LIST, ABBREVIATIONS, AND GENERAL NOTES.
2. SEE SHEET E-0601 FOR LIGHTING FIXTURE SCHEDULE.
3. THE PHOTOMETRIC LEVELS SHOWN HERE FOR THE SOUTH HAMMOND STATION PLATFORM ARE TYPICAL FOR:  
MUNSTER DYER PLATFORM  
MUNSTER RIDGE PLATFORM



Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
South Hammond Platform 1	Illuminance	Fc	11.63	18.1	6.5	1.79	2.78



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The logo for the West Lake Corridor is a stylized shield shape. The top half is black with the words "WEST LAKE" in large, white, serif capital letters. A small white triangle is positioned between the words. The bottom half is red with the word "CORRIDOR" in white, sans-serif capital letters.

## DYER TO HAMMOND, INDIANA

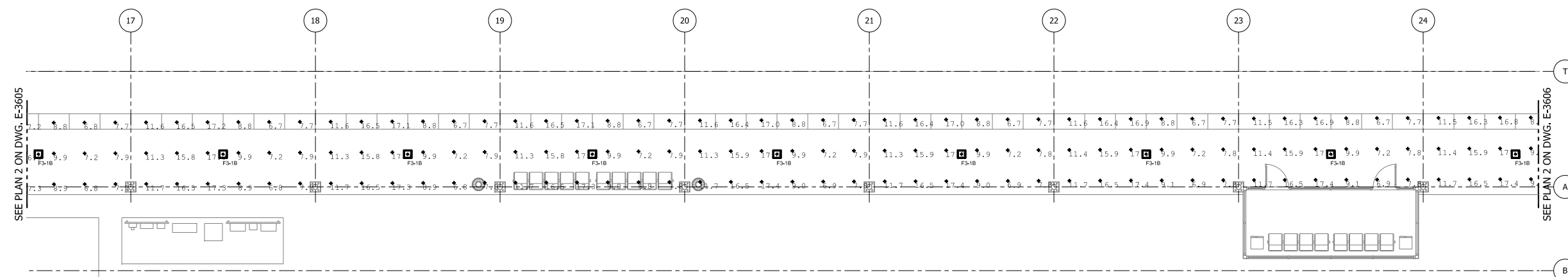
DESIGNED:	A. FAREKAS
DRAWN:	C. MARTIN
CHECKED:	M. BLUMENTHAL
DATE:	07/21/17

NICTD - WEST LAKE CORRIDOR - MP WL 65.6  
SOUTH HAMMOND STATION

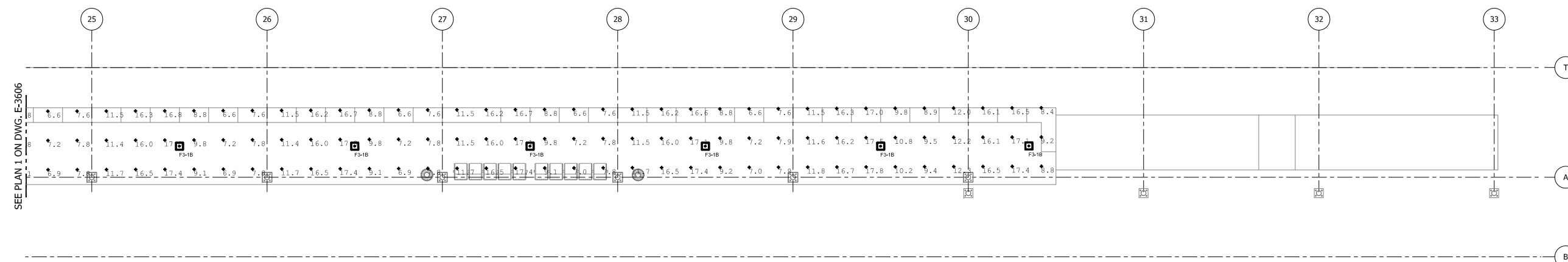
## PLATFORM LIGHTING PHOTOMETRICS

FILENAME	SHT_WL_E_SHAMMOND_DP_05	SHEET			
SCALE	NOT TO SCALE	167	OF	361	

1. SEE SHEETS E-0001 AND E-0002 FOR ELECTRICAL SYMBOL LIST, ABBREVIATIONS, AND GENERAL NOTES.
2. SEE SHEET E-0601 FOR LIGHTING FIXTURE SCHEDULE.
3. THE PHOTOMETRIC LEVELS SHOWN HERE FOR THE SOUTH HAMMOND STATION PLATFORM ARE TYPICAL FOR:  
MUNSTER DYER PLATFORM  
MUNSTER RIDGE PLATFORM



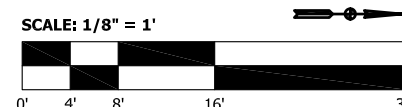
1 PARTIAL PLATFORM LIGHTING PHOTOMETRIC  
E-3606 SCALE: 1/8" = 1'-0"



2 PARTIAL PLATFORM LIGHTING PHOTOMETRIC  
E-3606 SCALE: 1/8" = 1'-0"

Luminaire Schedule								
Symbol	Qty	Tag	Label	Arrangement	Lum. Watts	Mounting Height (ft.)	LLF	Description
♦	31	F3-1B	1970LED-10ARC45T3R-MDL03-SV1	SINGLE	158.1	10	0.700	1970LED-10ARC45T3R-MDL03-SV1

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
South Hammond Platform 1	Illuminance	Ec	11.63	18.1	6.5	1.79	2.78



**NOT FOR CONSTRUCTION**

SERIES  
E-3606

NICTD - WEST LAKE CORRIDOR - MP WL 65.6  
SOUTH HAMMOND STATION

## PLATFORM LIGHTING PHOTOMETRICS

DESIGNED:	A. FAREKAS
DRAWN:	C. MARTIN
CHECKED:	M. BLUMENTHAL
DATE:	07/21/17

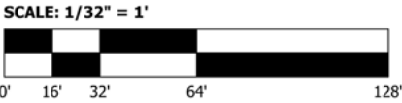
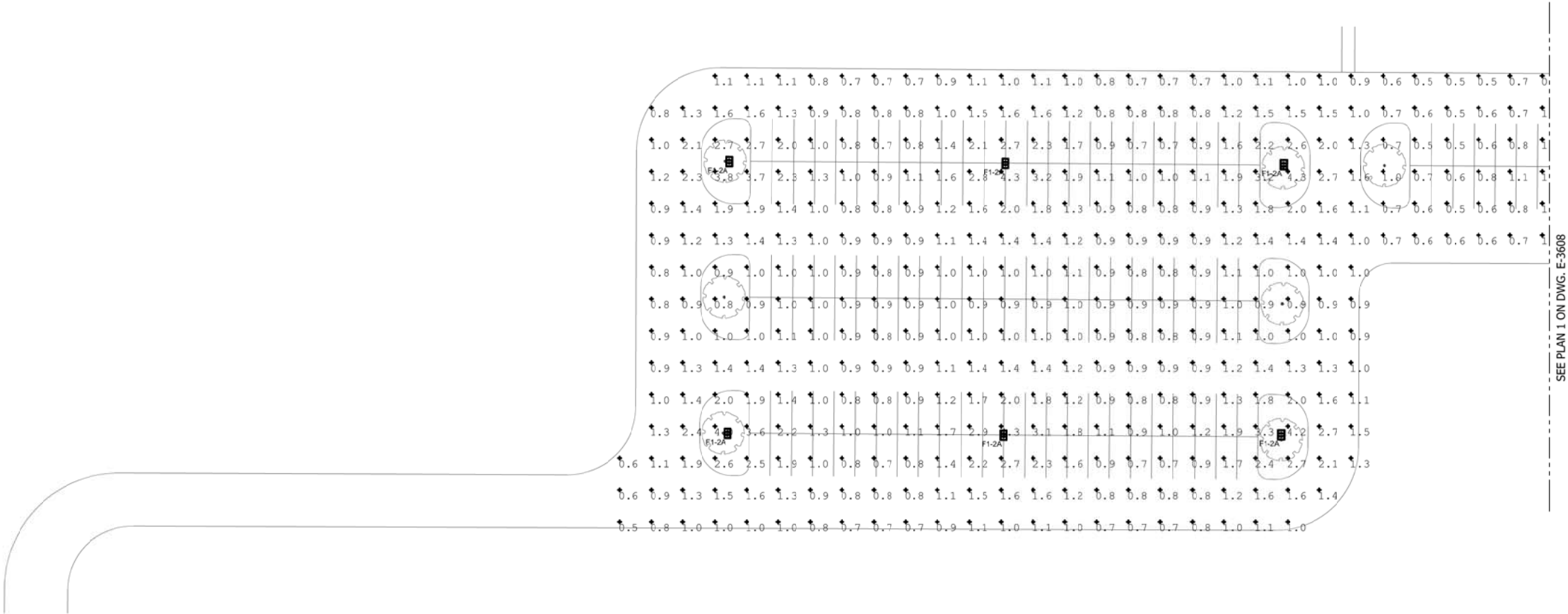
FILENAME	SHT_WL_E_SHAMMOND_DP_06	SHEET <b>168 OF 361</b>
SCALE	NOT TO SCALE	

[illegible]

## DYER TO HAMMOND, INDIANA



- NOTES:
- SEE SHEETS E-0001 AND E-0002 FOR ELECTRICAL SYMBOL LIST, ABBREVIATIONS, AND GENERAL NOTES.
  - SEE SHEET E-0601 FOR LIGHTING FIXTURE SCHEDULE.



1

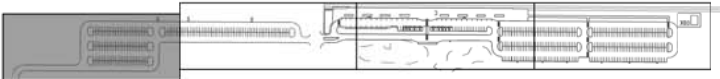
E-3607

PARKING LOT PARTIAL PHOTOMETRICS

SCALE: 1/32" = 1'-0"

Luminaire Schedule								
Symbol	Qty	Label	Arrangement	Tag	Lum. Watts	Mounting Height (ft.)	LLF	Description
	7	DSX1 LED 40C 1000 40K T4M MVO	SINGLE	F1-1A	138	25	0.700	DSX1 LED 40C 1000 40K T4M MVOLT
	22	DSX1 LED 40C 1000 40K T4M MVO 1	BACK-BACK	F1-2A	138	25	0.700	DSX1 LED 40C 1000 40K T4M MVOLT

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Central Parking Lot	Illuminance	Fc	1.30	4.2	0.5	2.60	8.40
NorthParking Lot	Illuminance	Fc	1.25	4.3	0.5	2.50	8.60
South Parking Lot	Illuminance	Fc	1.10	4.3	0.5	2.20	8.60
Handicap Parking-Central A	Illuminance	Fc	2.04	3.8	1.3	1.57	2.92
Handicap Parking-Central B	Illuminance	Fc	1.97	3.5	1.3	1.52	2.69



KEY PLAN

NOT FOR CONSTRUCTION

SERIES  
E-3607

NICTD - WEST LAKE CORRIDOR - MP WL 65.6  
SOUTH HAMMOND STATION

PARKING LOT PARTIAL PHOTOMETRICS

FILENAME	SHT_WL_E_SHAMMOND_DP_07	SHEET	169 OF 361
SCALE	1/32" = 1' - 0"		

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ISSUE	DATE	DESCRIPTION

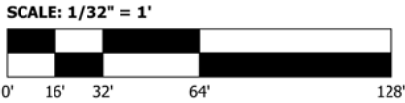
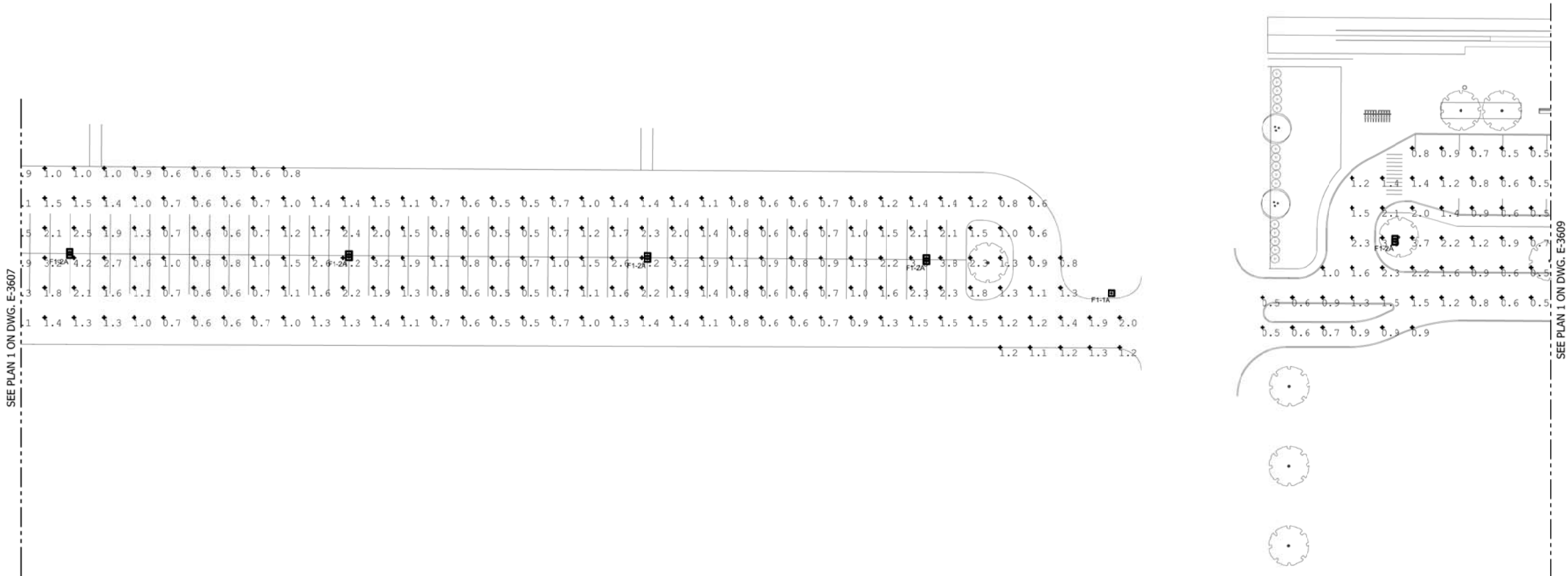
NORTHERN INDIANA COMMUTER  
TRANSPORTATION DISTRICT  
33 East Highway 12  
Chesterton, Indiana 46304

WEST LAKE  
CORRIDOR

DYER TO HAMMOND, INDIANA

DESIGNED:	A. FAREKAS
DRAWN:	C. MARTIN
CHECKED:	M. BLUMENTHAL
DATE:	07/21/17

- NOTES:
- SEE SHEETS E-0001 AND E-0002 FOR ELECTRICAL SYMBOL LIST, ABBREVIATIONS, AND GENERAL NOTES.
  - SEE SHEET E-0601 FOR LIGHTING FIXTURE SCHEDULE.



1

E-3608

PARKING LOT PARTIAL PHOTOMETRICS

SCALE: 1/32" = 1'-0"

Luminaire Schedule								
Symbol	Qty	Label	Arrangement	Tag	Lum. Watts	Mounting Height (ft.)	LLF	Description
	7	DSX1 LED 40C 1000 40K T4M MVO	SINGLE	F1-1A	138	25	0.700	DSX1 LED 40C 1000 40K T4M MVOLT
	22	DSX1 LED 40C 1000 40K T4M MVO 1	BACK-BACK	F1-2A	138	25	0.700	DSX1 LED 40C 1000 40K T4M MVOLT

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Central Parking Lot	Illuminance	Fc	1.30	4.2	0.5	2.60	8.40
NorthParking Lot	Illuminance	Fc	1.25	4.3	0.5	2.50	8.60
South Parking Lot	Illuminance	Fc	1.10	4.3	0.5	2.20	8.60
Handicap Parking-Central A	Illuminance	Fc	2.04	3.8	1.3	1.57	2.92
Handicap Parking-Central B	Illuminance	Fc	1.97	3.5	1.3	1.52	2.69



KEY PLAN

NOT FOR CONSTRUCTION

SERIES  
E-3608

NICTD - WEST LAKE CORRIDOR - MP WL 65.6  
SOUTH HAMMOND STATION

PARKING LOT PARTIAL PHOTOMETRICS

FILENAME	SHT_WL_E_SHAMMOND_DP_08	SHEET	170 OF 361
SCALE	1/32" = 1' - 0"		

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Chesterton, Indiana 46304

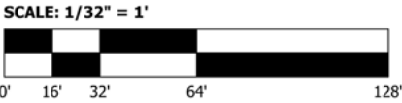
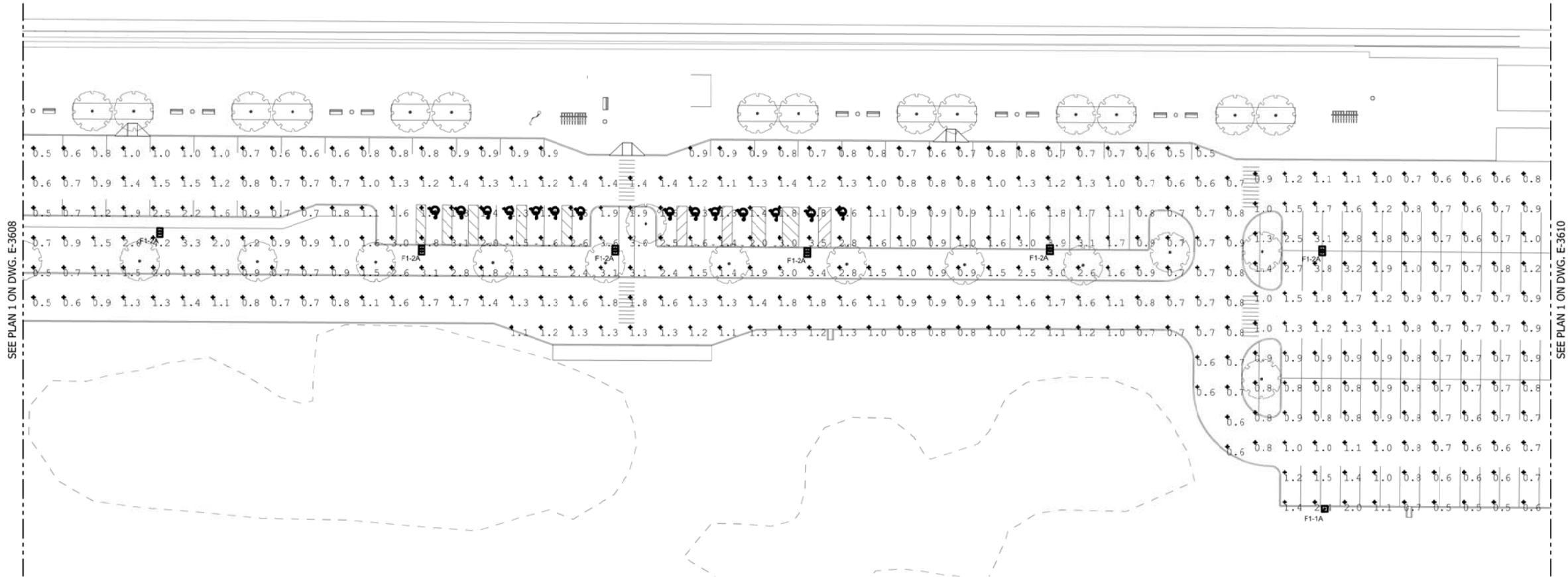
DYER TO HAMMOND, INDIANA

DESIGNED:	A. FAREKAS
DRAWN:	C. MARTIN
CHECKED:	M. BLUMENTHAL
DATE:	07/21/17

PLOT DATE: 07/20/2017 2:47:14 PM



- NOTES:
- SEE SHEETS E-0001 AND E-0002 FOR ELECTRICAL SYMBOL LIST, ABBREVIATIONS, AND GENERAL NOTES.
  - SEE SHEET E-0601 FOR LIGHTING FIXTURE SCHEDULE.



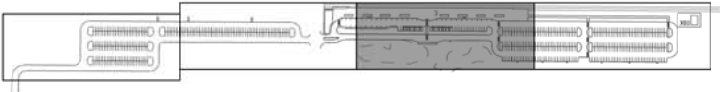
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E-3609

PARKING LOT PARTIAL PHOTOMETRICS

SCALE: 1/32" = 1'-0"

Luminaire Schedule								
Symbol	Qty	Label	Arrangement	Tag	Lum. Watts	Mounting Height (ft.)	LLF	Description
	7	DSX1 LED 40C 1000 40K T4M MVO	SINGLE	F1-1A	138	25	0.700	DSX1 LED 40C 1000 40K T4M MVOLT
	22	DSX1 LED 40C 1000 40K T4M MVO 1	BACK-BACK	F1-2A	138	25	0.700	DSX1 LED 40C 1000 40K T4M MVOLT

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Central Parking Lot	Illuminance	Fc	1.30	4.2	0.5	2.60	8.40
NorthParking Lot	Illuminance	Fc	1.25	4.3	0.5	2.50	8.60
South Parking Lot	Illuminance	Fc	1.10	4.3	0.5	2.20	8.60
Handicap Parking-Central A	Illuminance	Fc	2.04	3.8	1.3	1.57	2.92
Handicap Parking-Central B	Illuminance	Fc	1.97	3.5	1.3	1.52	2.69



KEY PLAN

NOT FOR CONSTRUCTION

SERIES  
E-3609

NICTD - WEST LAKE CORRIDOR - MP WL 65.6  
SOUTH HAMMOND STATION

PARKING LOT PARTIAL PHOTOMETRICS

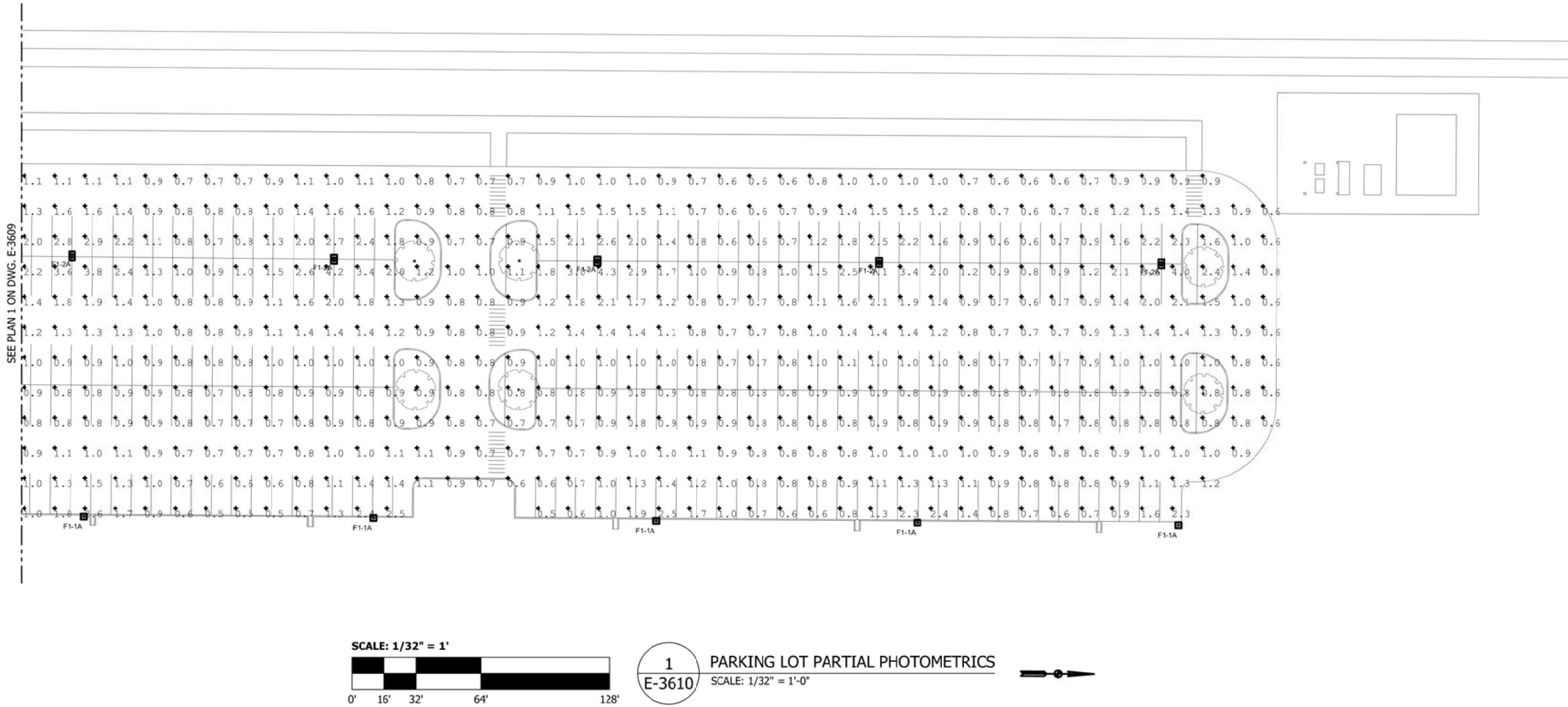
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SCALE	1/32" = 1' - 0"		



DYER TO HAMMOND, INDIANA

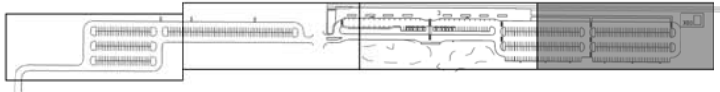
DESIGNED: A. FAREKAS  
DRAWN: C. MARTIN  
CHECKED: M. BLUMENTHAL  
DATE: 07/21/17

- NOTES:
- SEE SHEETS E-0001 AND E-0002 FOR ELECTRICAL SYMBOL LIST, ABBREVIATIONS, AND GENERAL NOTES.
  - SEE SHEET E-0601 FOR LIGHTING FIXTURE SCHEDULE.



Luminaire Schedule								
Symbol	Qty	Label	Arrangement	Tag	Lum. Watts	Mounting Height (ft.)	LLF	Description
	7	DSX1 LED 40C 1000 40K T4M MVO	SINGLE	F1-1A	138	25	0.700	DSX1 LED 40C 1000 40K T4M MVOLT
	22	DSX1 LED 40C 1000 40K T4M MVO 1	BACK-BACK	F1-2A	138	25	0.700	DSX1 LED 40C 1000 40K T4M MVOLT

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Central Parking Lot	Illuminance	Fc	1.30	4.2	0.5	2.60	8.40
NorthParking Lot	Illuminance	Fc	1.25	4.3	0.5	2.50	8.60
South Parking Lot	Illuminance	Fc	1.10	4.3	0.5	2.20	8.60
Handicap Parking-Central A	Illuminance	Fc	2.04	3.8	1.3	1.57	2.92
Handicap Parking-Central B	Illuminance	Fc	1.97	3.5	1.3	1.52	2.69



KEY PLAN

NOT FOR CONSTRUCTION		SERIES E-3610	
NICTD - WEST LAKE CORRIDOR - MP WL 65.6 SOUTH HAMMOND STATION			
PARKING LOT PARTIAL PHOTOMETRICS			
FILENAME	SHT_WL_E_SHAMMOND_DP_10	SHEET	
SCALE	1/32" = 1' - 0"	172 OF 361	



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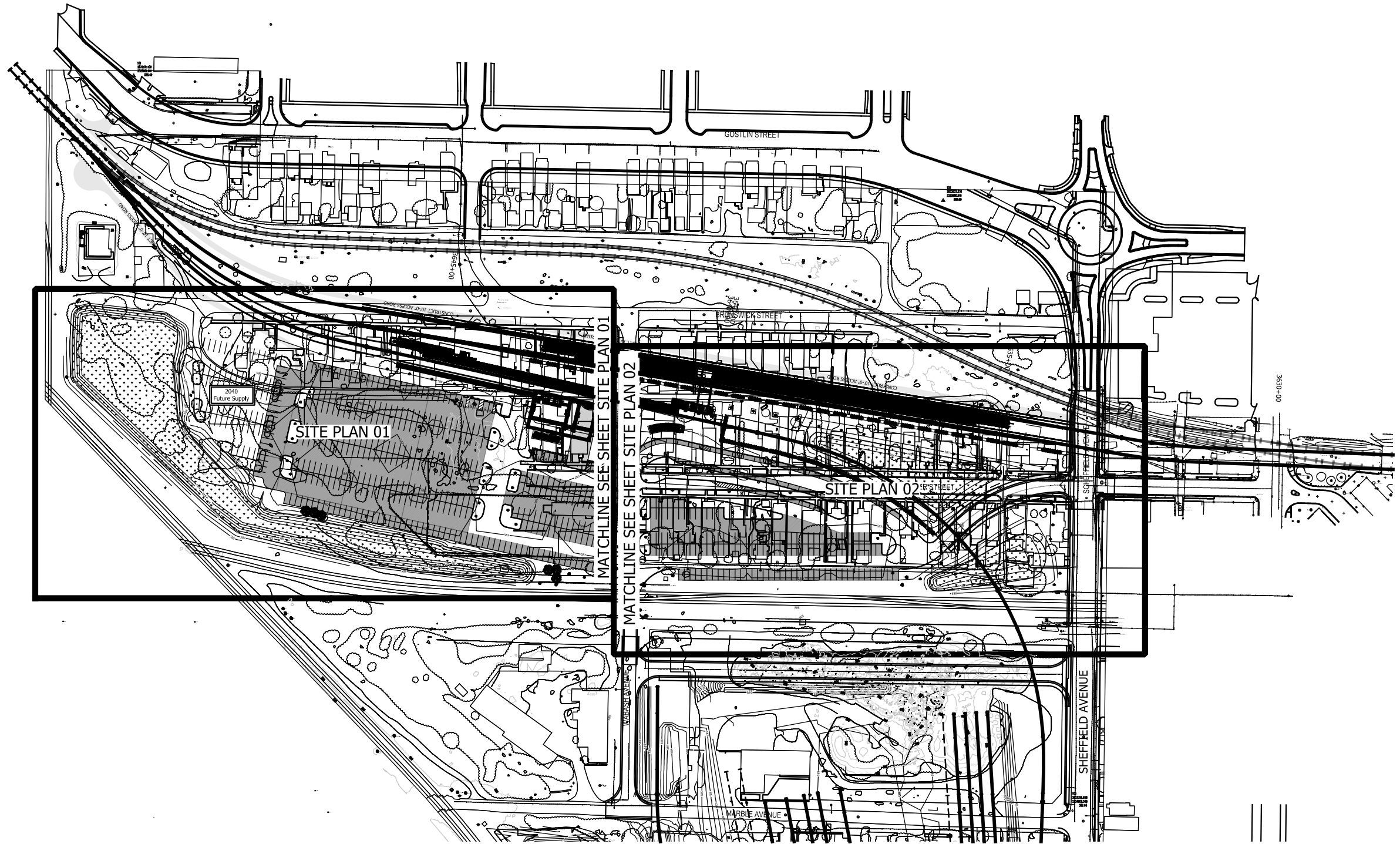


DYER TO HAMMOND, INDIANA

DESIGNED:	A. FAREKAS
DRAWN:	C. MARTIN
CHECKED:	M. BLUMENTHAL
DATE:	07/21/17

PLOT DATE: 07/20/2017 2:51:50 PM





HAMMOND GATEWAY KEYPLAN  
Scale: 1"=100'-0"

SCALE: 1" = 100'  
0' 50' 100'

PLOT DATE: 7/19/2017 11:19:06 PM JKEILLMA



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33 East Highway 12  
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DYER TO HAMMOND, INDIANA

DESIGNED:	JKH
DRAWN:	CJS
CHECKED:	CGH
DATE:	07/21/17

<b>NOT FOR CONSTRUCTION</b>		SERIES C-4001
NICTD - WEST LAKE CORRIDOR - MP WL 61.38 TO WL 69.18 SINGLE TRACK		
<b>HAMMOND GATEWAY SITE KEYPLAN FACILITY</b>		
FILENAME	SHT_WL_FA_HGS_KP_01	SHEET
SCALE	AS NOTED	<b>173 OF 361</b>



PLOT DATE: 7/21/2017 9:06:15 AM JKE/LLMA

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33 East Highway 12  
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DYER TO HAMMOND, INDIANA

DESIGNED:	JKH
DRAWN:	CJS
CHECKED:	CGH
DATE:	07/21/17

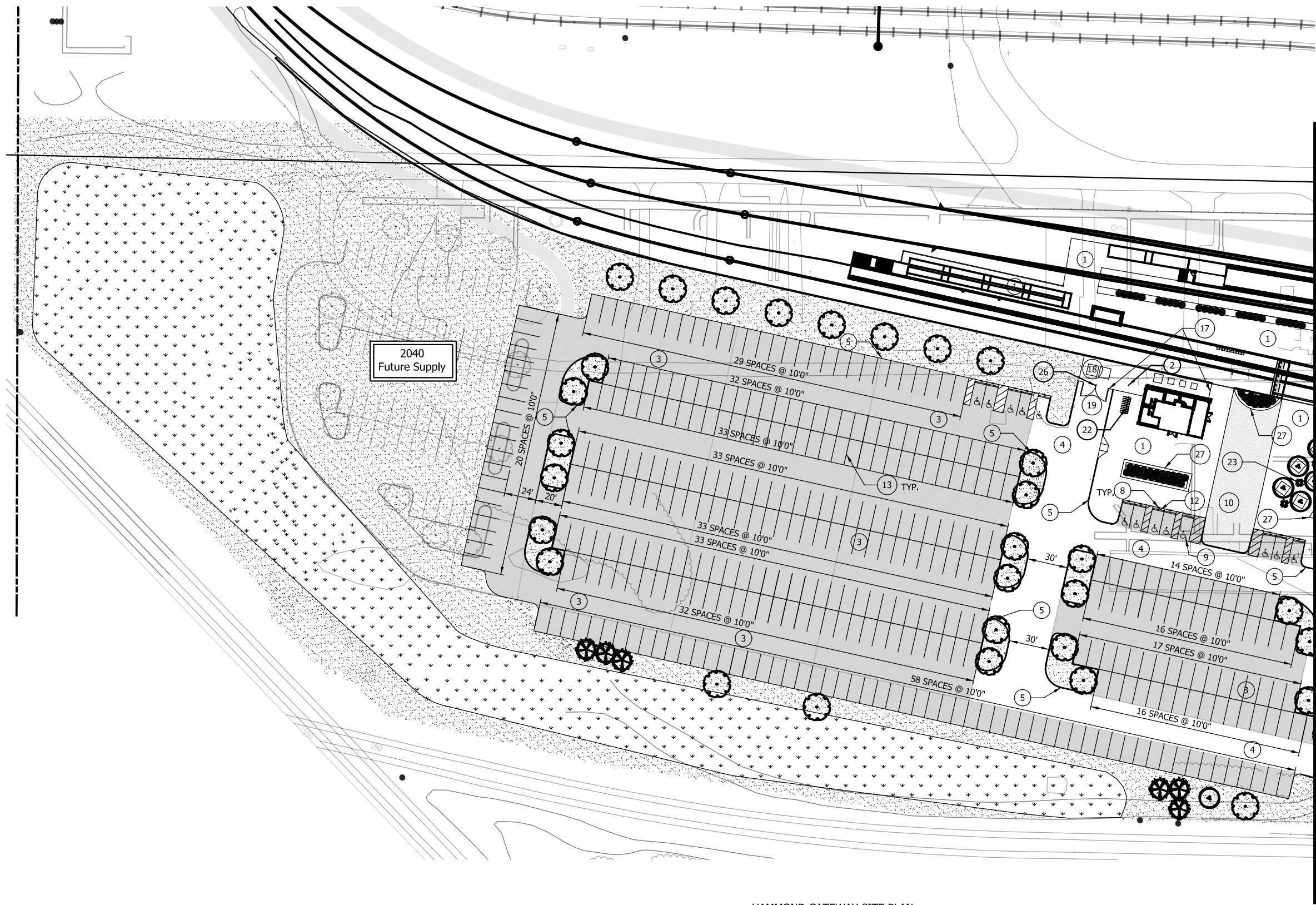
NOT FOR CONSTRUCTION

SERIES  
C-4101

NICTD - WEST LAKE CORRIDOR - MP WL 61.38 TO WL 69.18  
SINGLE TRACK

HAMMOND GATEWAY SITE PLAN  
FACILITY

FILENAME	SHT_WL_FA_HGS_PL_01.dgn	SHEET
SCALE	AS NOTED	174 OF 361



HAMMOND GATEWAY SITE PLAN  
Scale: 1"=40'-0"

MATCHLINE SEE SHEET SITE PLAN 02

GENERAL IMPROVEMENT NOTES

- 1. UTILITIES SHOWN ARE APPROXIMATE. FIELD VERIFY PRIOR TO CONSTRUCTION.
- 2. DIMENSIONS ARE TAKEN FROM THE FACE OF CURBS, WALLS AND/OR BUILDINGS UNLESS OTHERWISE NOTED.
- 3. ALL AREAS DISTURBED, NOT BUILT, PAVED OR OTHERWISE COVERED BY CONSTRUCTION, SHALL BE SEEDED WITH A PERMANENT TYPE TURFGRASS.
- 4. NOT ALL KEY NOTES USED ON EVERY SHEET.

SITE IMPROVEMENT KEY

- 1. CONCRETE PAVEMENT, TYPE 1
- 2. CONCRETE PAVEMENT, TYPE 2
- 3. ASPHALT PAVEMENT, TYPE 1
- 4. ASPHALT PAVEMENT, TYPE 2
- 5. CONCRETE CURB
- 6. OUTDOOR BENCH
- 7. OUTDOOR WASTE RECEPTACLE
- 8. ACCESSIBLE PARKING POST SIGN
- 9. ACCESSIBLE PARKING PAVEMENT MARKING
- 10. DECORATIVE CONCRETE PAVEMENT
- 11. BOLLARD
- 12. CONCRETE PARKING BLOCK
- 13. PAVEMENT MARKING - 4"
- 14. PAVEMENT MARKING HATCH - 4"@3' O.C., 45°
- 15. PAVEMENT MARKING CROSSWALK - 24"W, 8'L, @ 4' O.C.
- 16. DECORATIVE PICKET FENCE
- 17. LOUVERED SCREEN ENCLOSURE
- 18. DUMPSTER
- 19. UTILITY
- 20. COMPACTED AGGREGATE STORAGE
- 21. BALLAST (REFER TO TRACK DRAWINGS)
- 22. BICYCLE RACK
- 23. OUTDOOR TABLE WITH SEATING
- 24. CONCRETE CURB TURNOUT
- 25. ACCESSIBLE CURB RAMP
- 26. LOUVERED SCREEN GATE
- 27. MASONRY SEATWALL PLANTER

LANDSCAPE PLANTING LEGEND

- DECIDUOUS SHADE TREE
- DECIDUOUS ORNAMENTAL TREE
- EVERGREEN TREE
- SHRUB / PERENNIAL
- TURFGRASS SEEDING
- NATIVE GRASS/FORB SEEDING

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





GENERAL IMPROVEMENT NOTES

- 1. UTILITIES SHOWN ARE APPROXIMATE. FIELD VERIFY PRIOR TO CONSTRUCTION.
- 2. DIMENSIONS ARE TAKEN FROM THE FACE OF CURBS, WALLS AND/OR BUILDINGS UNLESS OTHERWISE NOTED.
- 3. ALL AREAS DISTURBED, NOT BUILT, PAVED OR OTHERWISE COVERED BY CONSTRUCTION, SHALL BE SEEDED WITH A PERMANENT TYPE TURFGRASS.
- 4. NOT ALL KEY NOTES USED ON EVERY SHEET.

SITE IMPROVEMENT KEY

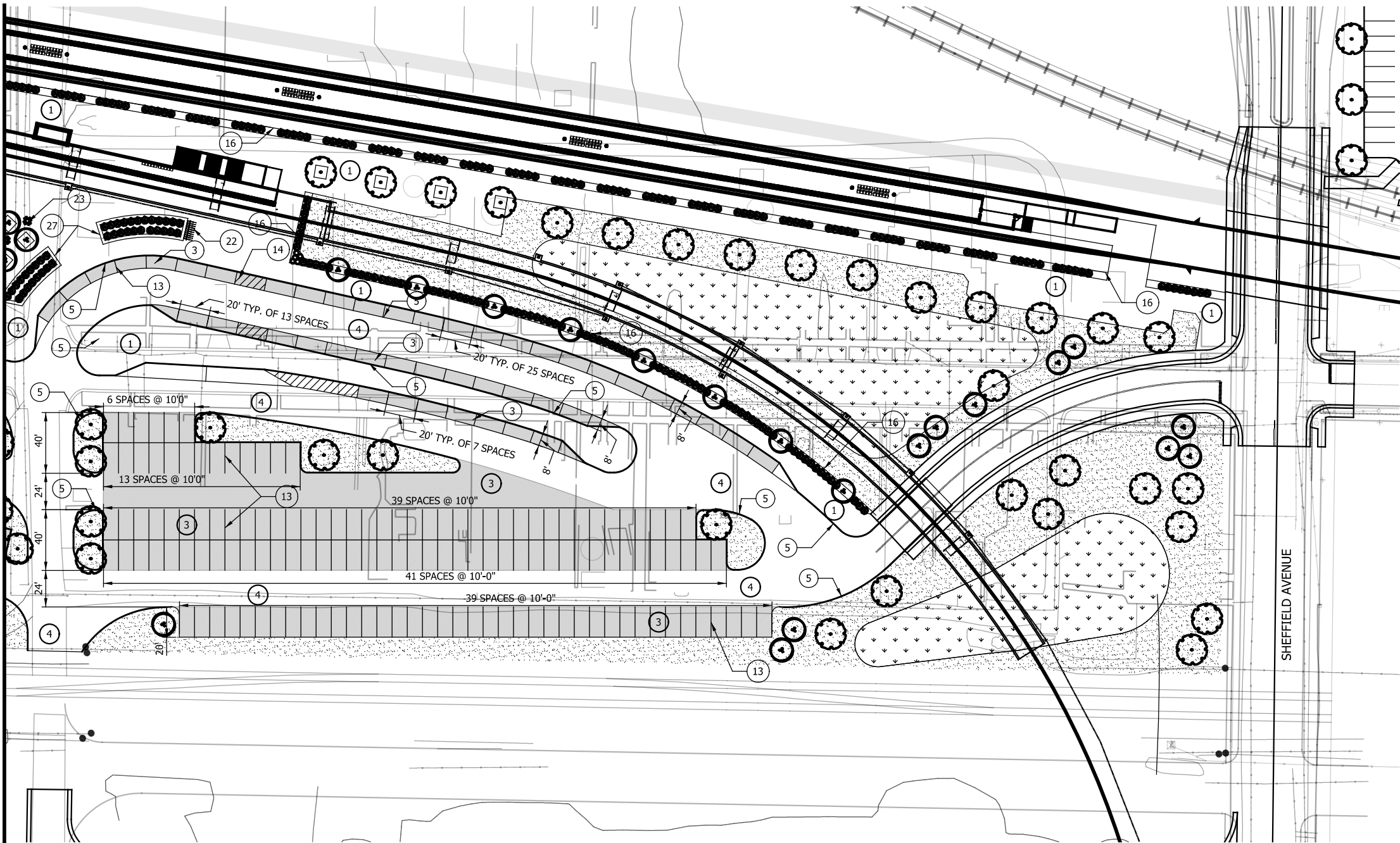
- 1. CONCRETE PAVEMENT, TYPE 1
- 2. CONCRETE PAVEMENT, TYPE 2
- 3. ASPHALT PAVEMENT, TYPE 1
- 4. ASPHALT PAVEMENT, TYPE 2
- 5. CONCRETE CURB
- 6. OUTDOOR BENCH
- 7. OUTDOOR WASTE RECEPTACLE
- 8. ACCESSIBLE PARKING POST SIGN
- 9. ACCESSIBLE PARKING PAVEMENT MARKING
- 10. DECORATIVE CONCRETE PAVEMENT
- 11. BOLLARD
- 12. CONCRETE PARKING BLOCK
- 13. PAVEMENT MARKING - 4"
- 14. PAVEMENT MARKING HATCH - 4"@3' O.C., 45°
- 15. PAVEMENT MARKING CROSSWALK - 24"W, 8"L, @ 4' O.C.
- 16. DECORATIVE PICKET FENCE
- 17. LOUVERED SCREEN ENCLOSURE
- 18. DUMPSTER
- 19. UTILITY
- 20. COMPACTED AGGREGATE STORAGE
- 21. BALLAST (SEE TRACK DRAWINGS)
- 22. BICYCLE RACK
- 23. OUTDOOR TABLE WITH SEATING
- 24. CONCRETE CURB TURNOUT
- 25. ACCESSIBLE CURB RAMP
- 26. LOUVERED SCREEN GATE
- 27. MASONRY SEATWALL PLANTER

LANDSCAPE PLANTING LEGEND

- DECIDUOUS SHADE TREE
- DECIDUOUS ORNAMENTAL TREE
- EVERGREEN TREE
- SHRUB / PERENNIAL
- TURFGRASS SEEDING
- NATIVE GRASS/FORB SEEDING

SCALE: 1" = 40'

MATCHLINE SEE SHEET SITE PLAN 01



HAMMOND GATEWAY SITE PLAN  
Scale: 1"=40'-0"

PLOT DATE: 7/19/2017 11:20:49 PM JKJELMA



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DYER TO HAMMOND, INDIANA

DESIGNED:	JKH
DRAWN:	CJS
CHECKED:	CGH
DATE:	07/21/17

NOT FOR CONSTRUCTION

SERIES  
C-4102

NICTD - WEST LAKE CORRIDOR - MP WL 61.38 TO WL 69.18  
SINGLE TRACK

HAMMOND GATEWAY SITE PLAN  
FACILITY

FILENAME	SHT_WL_FA_HGS_PL_02.dgn	SHEET
SCALE	AS NOTED	175 OF 361



PLOT DATE: 7/19/2017 11:21:06 PM JKE/LLMA



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DYER TO HAMMOND, INDIANA

DESIGNED:	JKH
DRAWN:	DPH
CHECKED:	CGH
DATE:	07/21/17

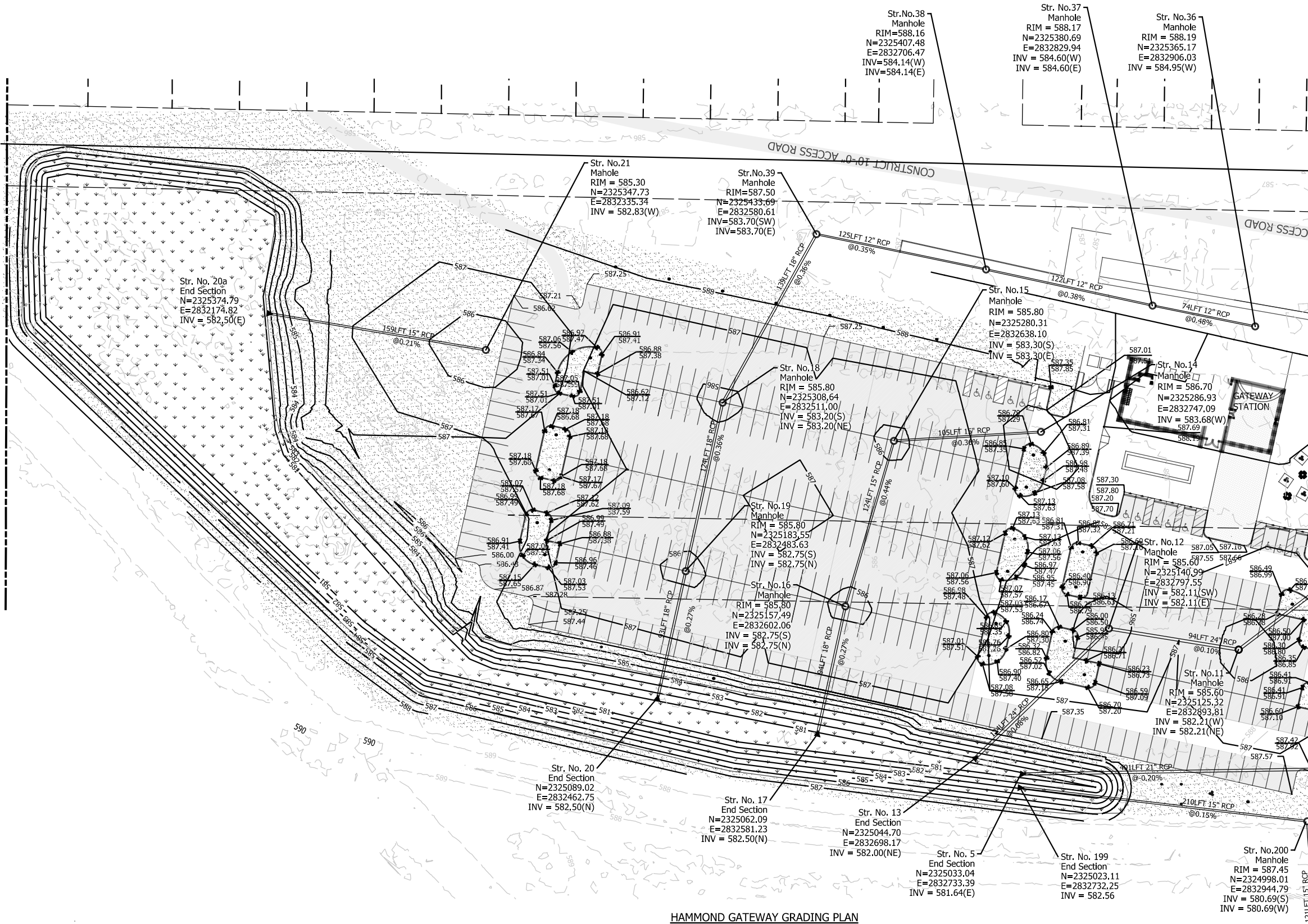
NOT FOR CONSTRUCTION

SERIES  
C-4103

NICTD - WEST LAKE CORRIDOR - MP WL 61.38 TO WL 69.18  
SINGLE TRACK

HAMMOND GATEWAY GRADING  
FACILITY

FILENAME	SHT_WL_FA_HGS_GD_01.dgn	SHEET
SCALE	AS NOTED	176 OF 361



MATCHLINE SEE SHEET GRADING PLAN 02

GENERAL GRADING/DRAINAGE NOTES

- PROPOSED GRADES AND SLOPES SHALL MATCH EXISTING GRADES AND SLOPES AT CONSTRUCTION LIMITS OR AS SHOWN ON DRAWING, TYP.
- UTILITIES AND UNDERGROUND OBSTACLES SHOWN ARE APPROXIMATE, FIELD VERIFY UTILITY LOCATION PRIOR TO COMMENCEMENT OF EARTHWORK AND/OR UTILITY ACTIVITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO OBSTRUCTIONS AND UTILITY LINES ENCOUNTERED DURING CONSTRUCTION.
- PROPOSED FINISHED GRADES SHALL PROVIDE FOR POSITIVE DRAINAGE TO A DRAINAGE STRUCTURE OR DETENTION POND.
- NO OPEN TRENCHES WILL BE ALLOWED IN THE EVENING AFTER DAILY CONSTRUCTION OPERATIONS. CONTRACTOR TO PROVIDE CONSTRUCTION FENCING AROUND ANY TRENCHING AREA FOR PUBLIC SAFETY.
- CONTRACTOR SHALL FILL LOW/DEPRESSIONAL GRADES WHICH MAY OCCUR THROUGH REQUIRED DEMOLITION, AS WELL AS, ANY AREA WITHIN THE GRADING LIMITS, SO AS TO PROVIDE CONSTANT UNIFORM SLOPES WHICH MEET THE REQUIREMENTS.

GRADING LEGEND

- New Drainage Pipe
- New Drainage Inlet
- New Drainage End Section
- New Drainage Manhole
- Proposed Contours
- Existing Contours
- Spot Elevations
- Spot Elevations

SCALE: 1" = 40'







PLOT DATE: 7/19/2017 11:21:58 PM JKEILLMA



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33 East Highway 12  
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DYER TO HAMMOND, INDIANA

DESIGNED:	JKH
DRAWN:	CJS
CHECKED:	CGH
DATE:	07/21/17

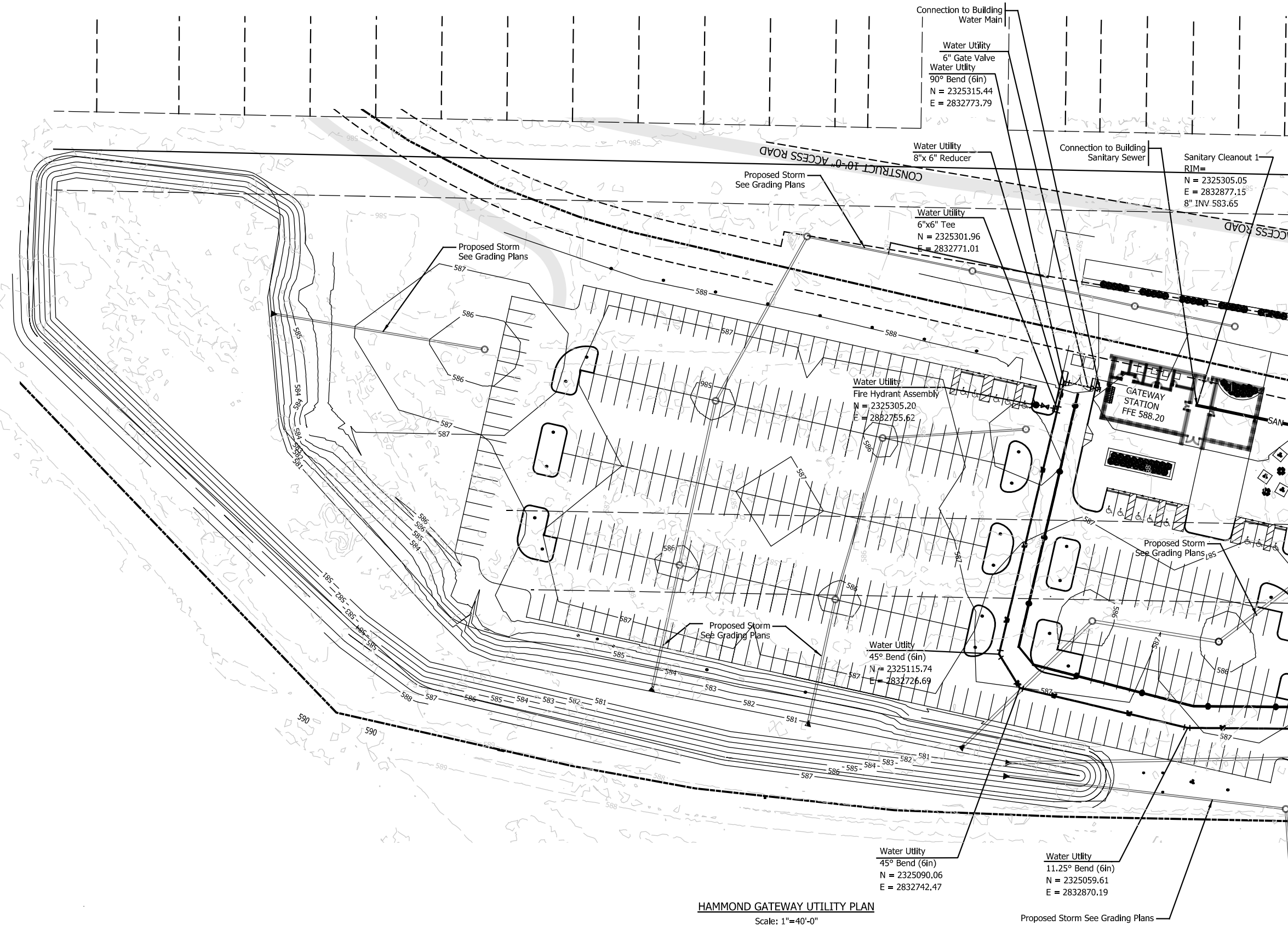
NOT FOR CONSTRUCTION

SERIES  
C-4105

NICTD - WEST LAKE CORRIDOR - MP WL 61.38 TO WL 69.18  
SINGLE TRACK

## HAMMOND GATEWAY UTILITY PLAN FACILITY

FILENAME	SHT_WL_FA_HGS_UT_01.dgn	SHEET
SCALE	AS NOTED	178 OF 361



HAMMOND GATEWAY UTILITY PLAN  
Scale: 1"=40'-0"

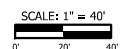
### GENERAL UTILITY NOTES

- UTILITIES SHOWN ARE APPROXIMATE. FIELD VERIFY PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO OBSTRUCTIONS AND UTILITY LINES ENCOUNTERED DURING CONSTRUCTION.
- COORDINATE ALL UTILITY CONNECTIONS WITH CORRESPONDING COMPANIES AT LEAST 48 HOURS IN ADVANCE PRIOR TO EXCAVATING.
- NO OPEN TRENCHES WILL BE ALLOWED IN THE EVENING AFTER DAILY CONSTRUCTION OPERATIONS. CONTRACTOR TO PROVIDE CONSTRUCTION FENCING AROUND ANY TRENCHING AREA FOR PUBLIC SAFETY.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DEWATERING NECESSARY. WATER REMOVED BY DEWATERING EQUIPMENT SHALL NOT BE DISPOSED OF INTO EXISTING SANITARY SEWER.
- ALL WATER MAIN SHALL BE INSTALLED A MINIMUM OF 5 FEET BELOW PROPOSED GRADE UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL COORDINATE WITH THE CITY OF HAMMOND WATER DEPARTMENT FOR CONNECTION TO THE EXISTING WATER SERVICE.
- CONTRACTOR SHALL COORDINATE WITH THE CITY OF HAMMOND SEWER DEPARTMENT FOR CONNECTION TO THE EXISTING SEWER.
- WHEN EXCAVATING NEAR UTILITIES, CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPORTING, BRACING, OR SHORING AS REQUIRED TO PREVENT DAMAGE TO UTILITIES.
- CONTRACTOR SHALL DEFLECT THE WATER MAIN TO AVOID CONFLICTS WITH THE SANITARY AND STORM SEWERS. THE MAXIMUM SEPARATION BETWEEN THE WATER MAIN AND THE SEWER SHALL BE MAINTAINED.
- GAS MAIN INSTALLATION AND CONNECTION SHALL BE COORDINATED WITH NIPSCO.

### UTILITY LEGEND

	New Water Main
	New Gas Main
	New Sanitary Sewer
	Ex. Water Main
	Ex. Sanitary Sewer
	Ex. Gas Main

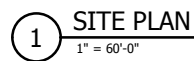
SCALE: 1" = 40'  
0 20 40'



SHEET  
179 OF 361

DESIGNED:	JKH
DRAWN:	CJS
CHECKED:	CGH
DATE:	07/21/17





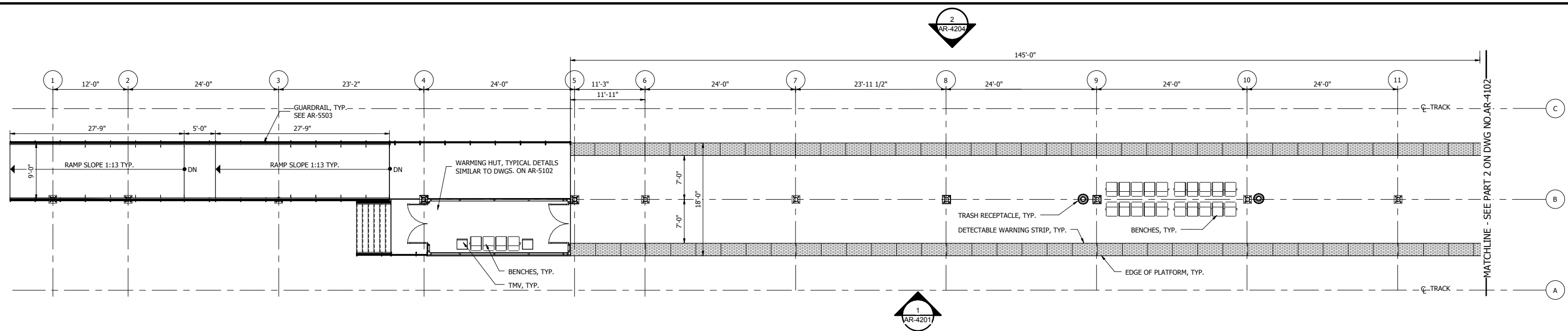
**HDR**  
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Chicago, IL 60631  
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**NICTD**  
NORTHERN INDIANA COMMUTER  
TRANSPORTATION DISTRICT  
33 East Highway 12  
Chesterton, Indiana 46304

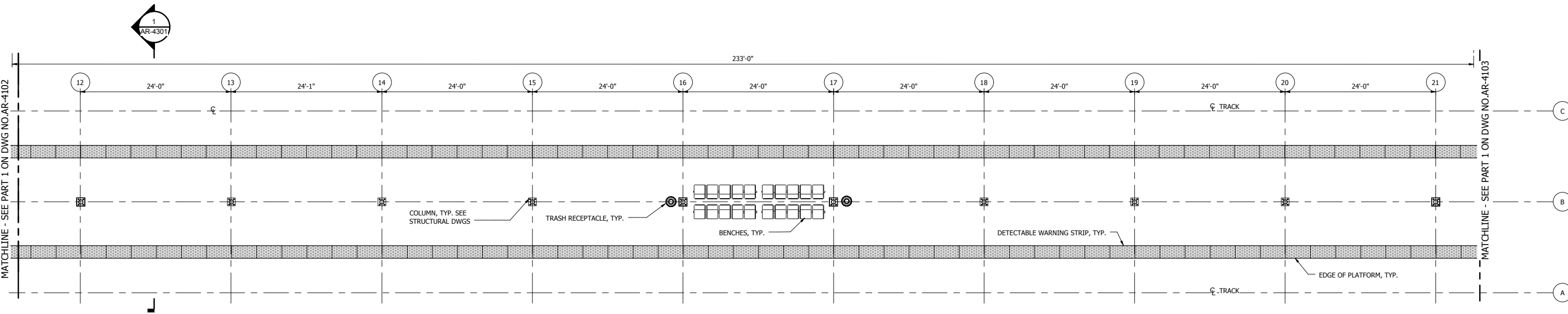
DESIGNED:	R. Krieger
DRAWN:	Author
CHECKED:	Checker
DATE:	07/21/17

FILENAME		SHEET <b>180 OF 361</b>
SCALE	1" = 60'-0"	

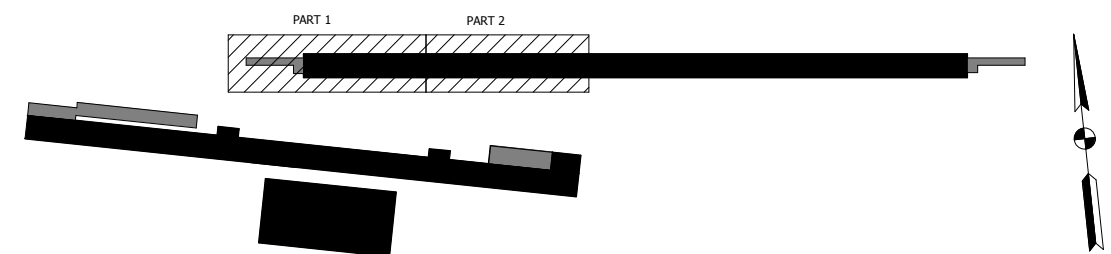




1 SOUTH SHORE PARTIAL PLATFORM PLAN - 1  
1/8" = 1'-0"



2 SOUTH SHORE PARTIAL PLATFORM PLAN - 2  
1/8" = 1'-0"



PLOT DATE: 7/20/2017 12:51:48 PM



ISSUE	DATE	DESCRIPTION



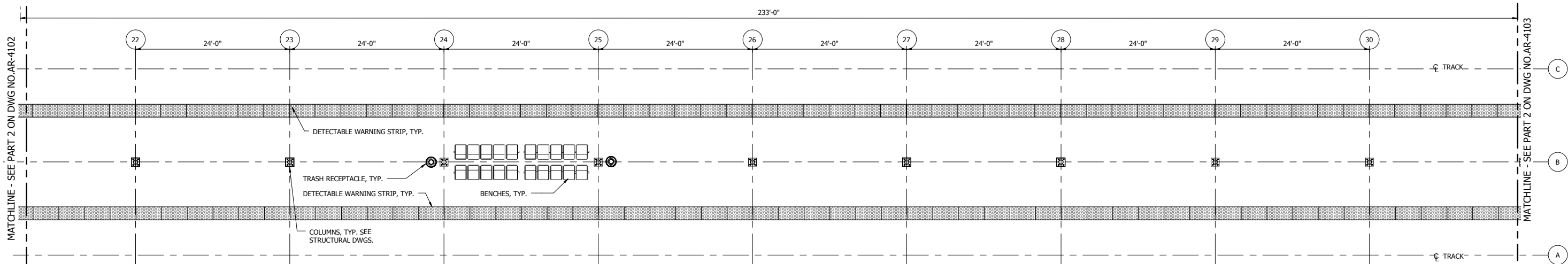
DESIGNED:	Designer
DRAWN:	Author
CHECKED:	Checker
DATE:	07/21/17

**NOT FOR CONSTRUCTION**

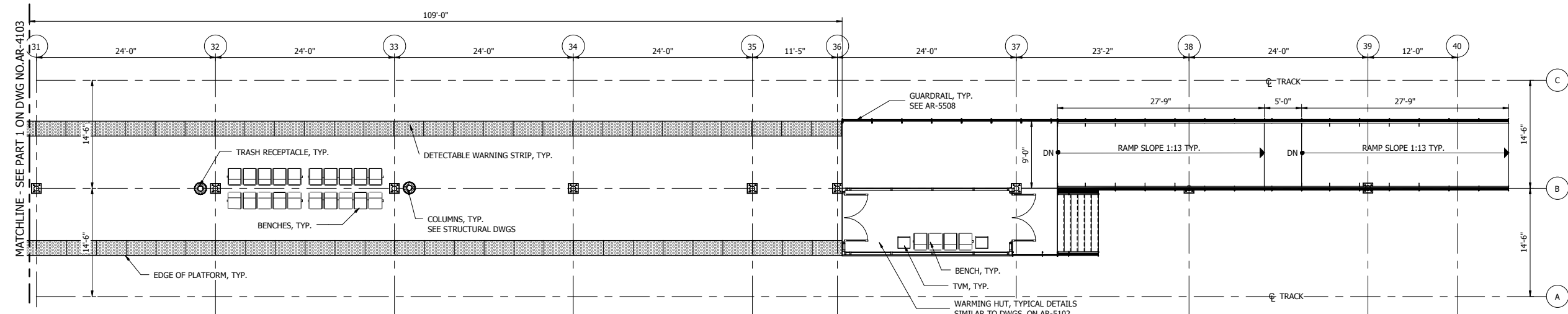
SERIES  
**AR-4102**

NICTD - WEST LAKE CORRIDOR - MP 68.9  
PROJECT NAME  
**SOUTH SHORE STATION PARTIAL  
PLATFORM PLANS - 1**

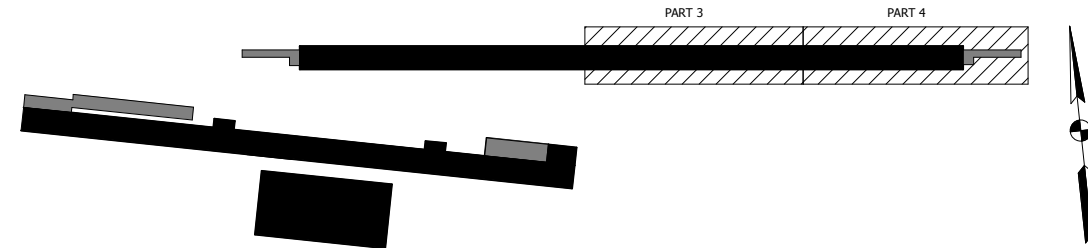
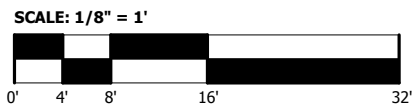
FILENAME	SHEET
SCALE 1/8" = 1'-0"	<b>181 OF 344</b>



**1 SOUTH SHORE PARTIAL PLATFORM PLAN - 3**  
1/8" = 1'-0"



**2 SOUTH SHORE PARTIAL PLATFORM PLAN - 4**  
1/8" = 1'-0"



PLOT DATE: 7/20/2017 12:51:48 PM



ISSUE	DATE	DESCRIPTION



DYER TO HAMMOND, INDIANA

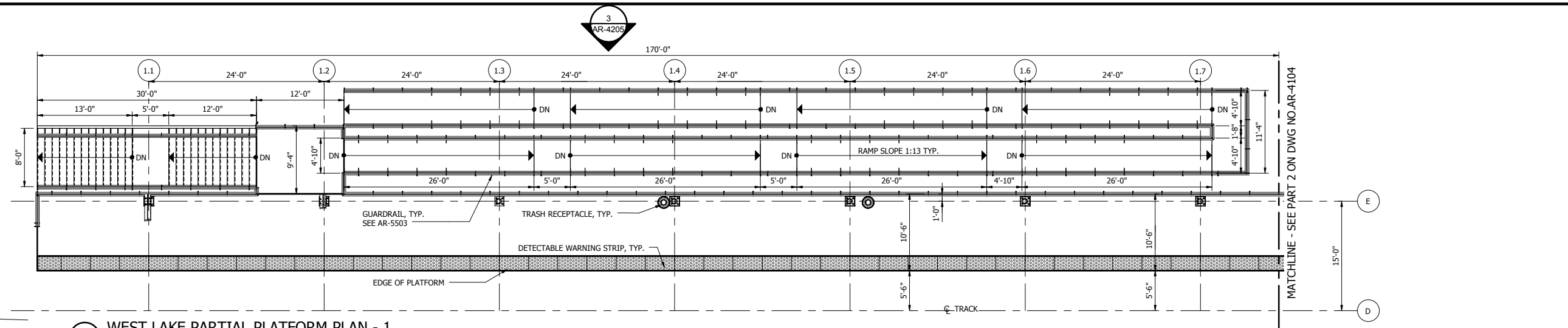
DESIGNED:	Designer
DRAWN:	Author
CHECKED:	Checker
DATE:	07/21/17

**NOT FOR CONSTRUCTION** SERIES **AR-4103**

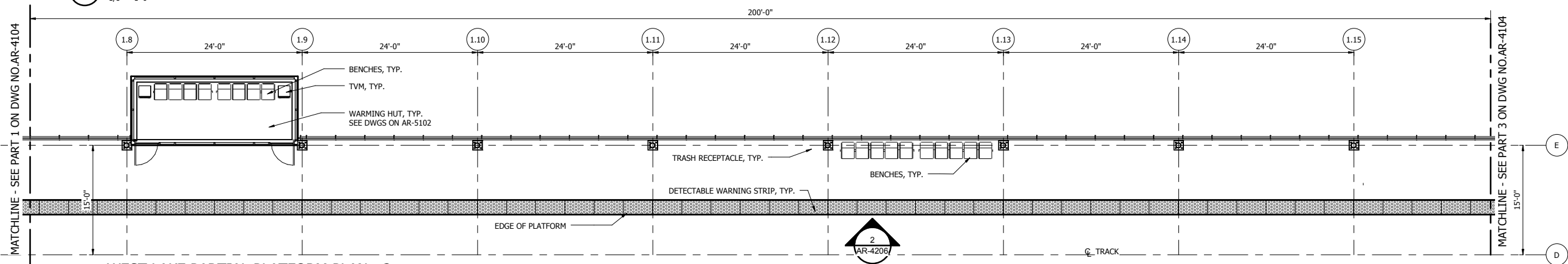
NICTD - WEST LAKE CORRIDOR - MP 68.9  
PROJECT NAME  
**SOUTH SHORE STATION PARTIAL  
PLATFORM PLANS - 2**

FILENAME		SHEET
SCALE	1/8" = 1'-0"	<b>182 OF 344</b>

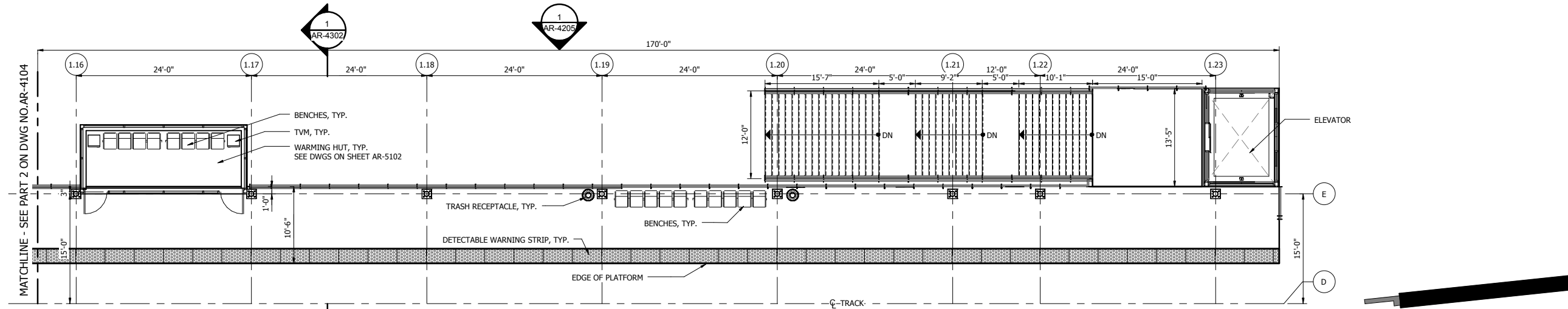
C:\v\12016\WL\_AR\_GATEWAYSTN\_02\_NEDUN.rvt



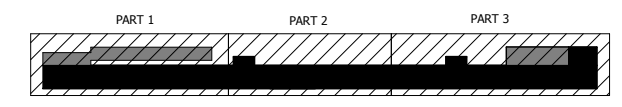
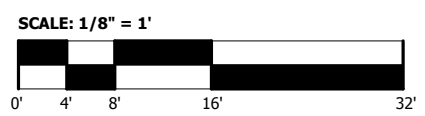
1 WEST LAKE PARTIAL PLATFORM PLAN - 1  
1/8" = 1'-0"



2 WEST LAKE PARTIAL PLATFORM PLAN - 2  
1/8" = 1'-0"



3 WEST LAKE PARTIAL PLATFORM PLAN - 3  
1/8" = 1'-0"



NOT FOR CONSTRUCTION  
SERIES AR-4104



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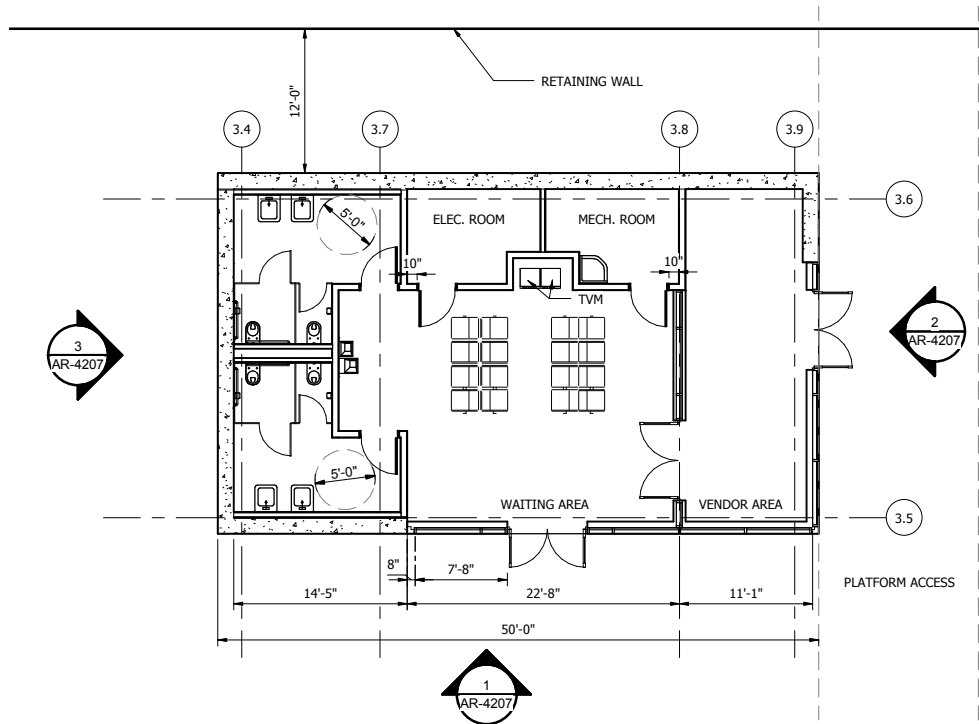
DESIGNED:	Designer
DRAWN:	Author
CHECKED:	Checker
DATE:	07/21/17

NICTD - WEST LAKE CORRIDOR - MP 69.0  
PROJECT NAME  
**WEST LAKE STATION PARTIAL  
PLATFORM PLANS**

FILENAME	SHEET
SCALE	183 OF 361
1/8" = 1'-0"	

PLOT DATE: 7/20/2017 12:51:56 PM

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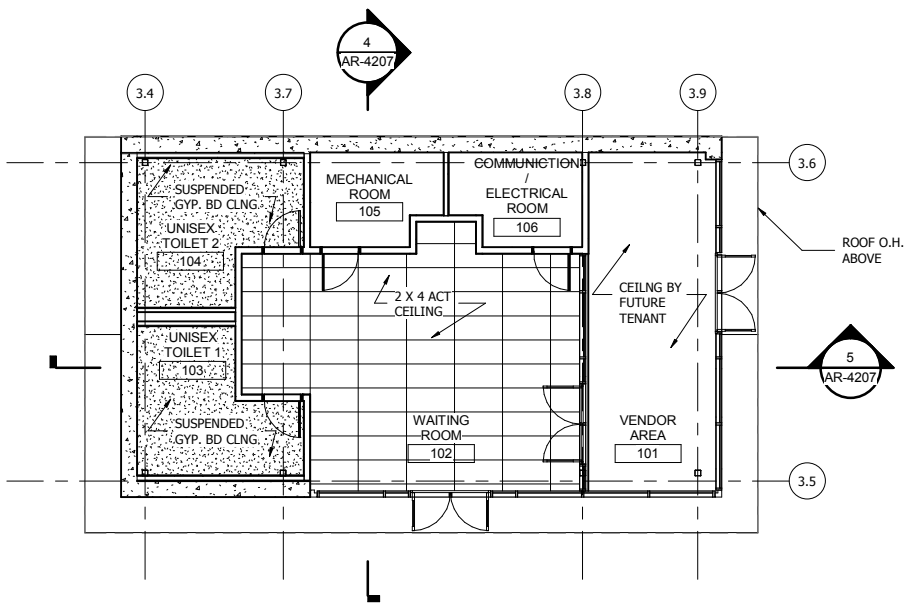


NOTE:  
ALL INTERIOR WALLS 6" CMU WITH 1/2" PLASTER ON BOTH SIDES U.O.N.

CHASE WALL PARTITION: 3 5/8" METAL STUD FRAMING WITH 1/2" CEMENT BD AT TILED WAINSCOTT; 5/8" MOISTURE RESISTANT GYP. BD. ABOVE TYP.

COLUMN ENCLOSURE: 3 5/8" METAL STUD AND TWO LAYERS OF 5/8" GYP. BD.

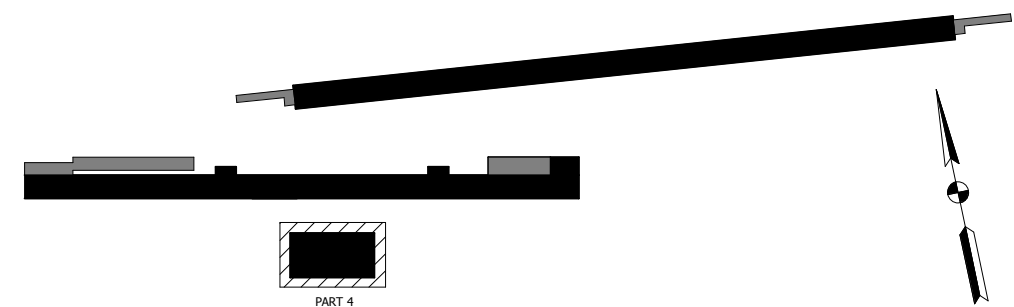
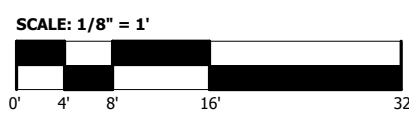
1 STATION BUILDING - 1ST FLOOR  
1/8" = 1'-0"



NOTE:  
CEILING ARE TO BE EXPOSED PAINTED  
CEILING U.O.N.

ALL CEILING HEIGHT REFERENCE ARE FROM FINISHED FIRST FLOOR LEVEL

2 REFLECTED CEILING PLAN - 1ST FLOOR  
1/8" = 1'-0"



PLOT DATE: 7/20/2017 12:51:56 PM



ISSUE	DATE	DESCRIPTION



DESIGNED:	Designer
DRAWN:	Author
CHECKED:	Checker
DATE:	07/21/17

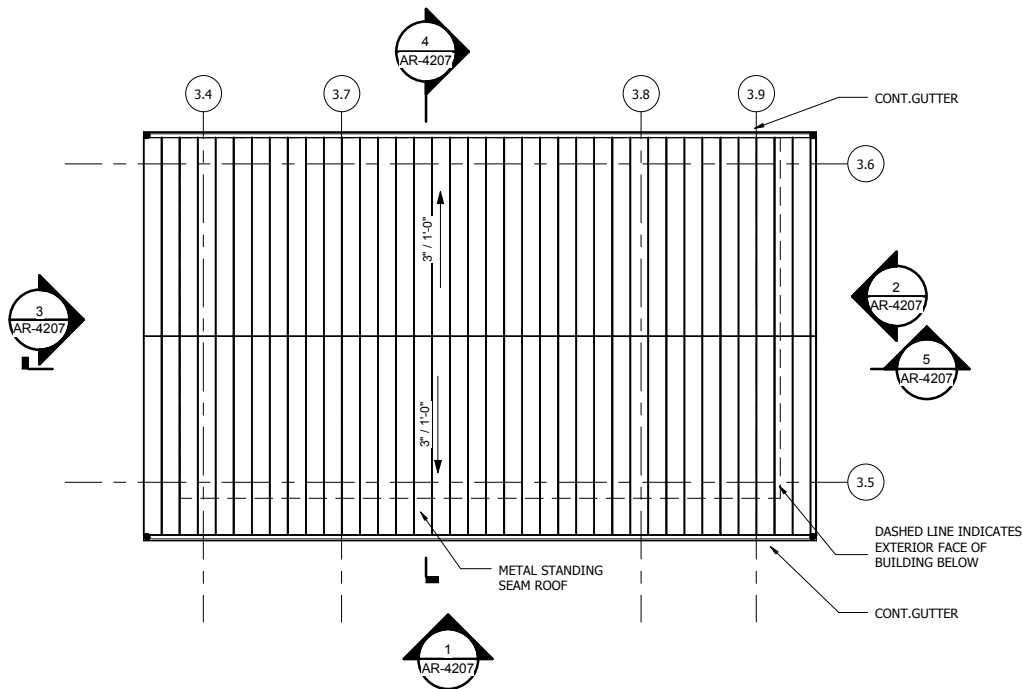
NOT FOR CONSTRUCTION

SERIES AR-4105

NICTD - WEST LAKE CORRIDOR - MP 69.0  
PROJECT NAME

STATION HOUSE FLOOR PLANS

FILENAME		SHEET
SCALE	1/8" = 1'-0"	184 OF 361

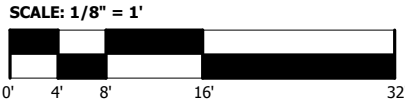
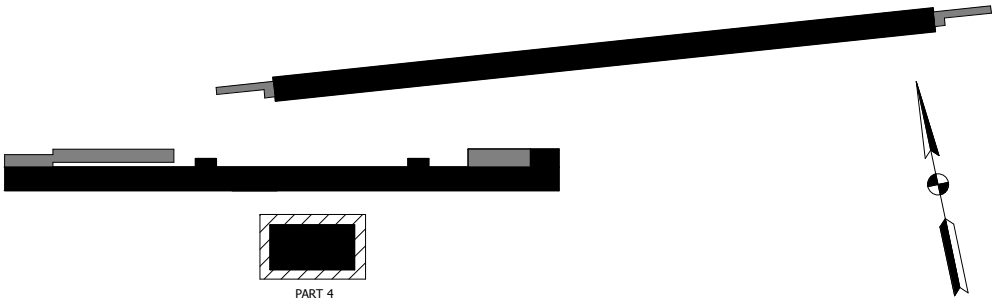


1 STATION BUILDING ROOF PLAN  
1/8" = 1'-0"

Door Schedule								
Door number	Width	Height	Thickness	Door Material	Frame Material	Frame thickness	Fire Rating	Comments
7	3' - 0"	7' - 0"	0' - 1 3/4"	HM	HM	0' - 2"		
8	3' - 0"	7' - 0"	0' - 1 3/4"	HM	HM	0' - 2"		
11	3' - 0"	7' - 2"						
16	3' - 0"	7' - 2"						
17	3' - 0"	7' - 2"						
19	3' - 0"	7' - 0"	0' - 1 3/4"	<By Category>	<By Category>	0' - 2"		
20	3' - 0"	7' - 0"	0' - 1 3/4"	<By Category>	<By Category>	0' - 2"		
21	3' - 0"	7' - 2"						
24	3' - 0"	7' - 2"						
25	3' - 0"	7' - 2"						
29	3' - 0"	7' - 2"						
144	3' - 0"	7' - 0"	0' - 1 3/4"	<By Category>	<By Category>	0' - 2"		

Room Finish Schedule						
Room No.	Name	Finishes				Comments
		Wall	Base	Ceiling	Floor	
101	VENDOR AREA	SPG	N/A	N/A	CT	5' HIGH WAINSCOT CT ALL AROUND
102	WAITING ROOM	SGP	N/A	METAL PANEL	CT	5' HIGH WAINSCOT CT ALL AROUND
103	UNISEX TOILET 1	CT/SPG	N/A	ACT	CT	5' HIGH WAINSCOT CT ALL AROUND
104	UNISEX TOILET 2	CT/SPG	N/A	ACT	CT	5' HIGH WAINSCOT CT ALL AROUND
105	MECHANICAL ROOM	CONC	CONC	N/A	CONC	
106	COMMUNITION / ELECTRICAL ROOM	CONC	CONC	N/A	CONC	

KEY NOTE LEGEND:  
ACT: ACOUSTICAL CEILING TILE  
CT: CERAMIC TILE  
CONC: CONCRETE  
SGP: SEMI GLOSS PAINT



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TRANSPORTATION DISTRICT  
33 East Highway 12  
Chesterton, Indiana 46304

**WEST LAKE**  
CORRIDOR  
DYER TO HAMMOND, INDIANA

DESIGNED: Designer
DRAWN: Author
CHECKED: Checker
DATE: 07/21/17

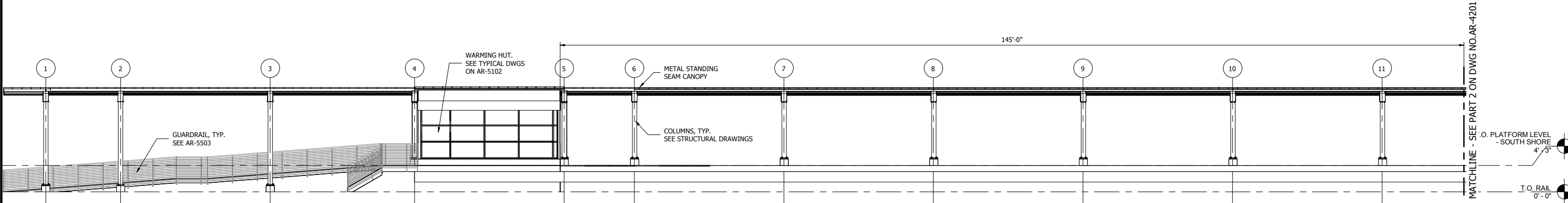
NOT FOR CONSTRUCTION  
SERIES AR-4121

NICTD - WEST LAKE CORRIDOR - MP 69.0  
PROJECT NAME  
STATION HOUSE ROOF PLAN

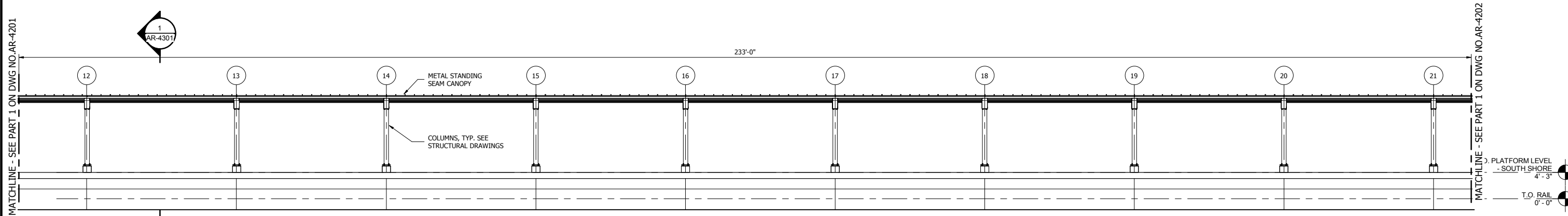
FILENAME	SHEET
SCALE 1/8" = 1'-0"	185 OF 361

PLOT DATE: 7/20/2017 12:51:57 PM

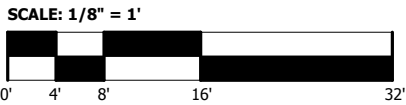




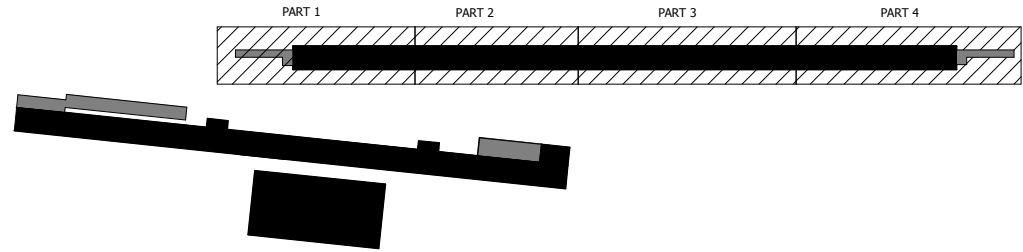
1 SOUTH SHORE PARTIAL SOUTH ELEVATION - 1  
1/8" = 1'-0"



2 SOUTH SHORE PARTIAL SOUTH ELEVATION - 2  
1/8" = 1'-0"



SCALE: 1/8" = 1'



NOT FOR CONSTRUCTION

SERIES  
AR-4201

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33 East Highway 12  
Chesterton, Indiana 46304



DYER TO HAMMOND, INDIANA

DESIGNED:	Designer
DRAWN:	Author
CHECKED:	Checker
DATE:	07/21/17

NICTD - WEST LAKE CORRIDOR - MP 68.9  
PROJECT NAME  
**SOUTH SHORE STATION PARTIAL  
SOUTH ELEVATIONS 1**

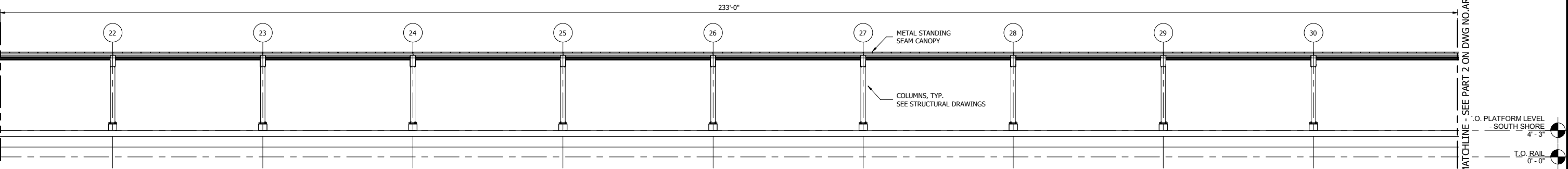
FILENAME		SHEET
SCALE	1/8" = 1'-0"	<b>186 OF 344</b>

MATCHLINE - SEE PART 2 ON DWG NO. AR-4201

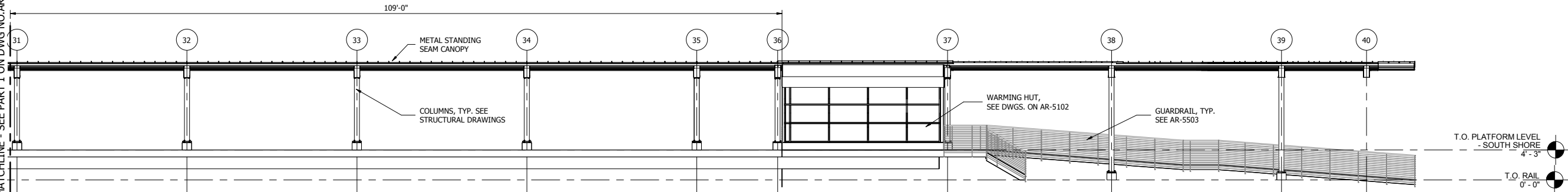
MATCHLINE - SEE PART 1 ON DWG NO. AR-4202

MATCHLINE - SEE PART 2 ON DWG NO. AR-4202

1 SOUTH SHORE PARTIAL SOUTH ELEVATION - 3  
1/8" = 1'-0"



2 SOUTH SHORE PARTIAL SOUTH ELEVATION - 4  
1/8" = 1'-0"



PLOT DATE: 7/20/2017 12:52:02 PM



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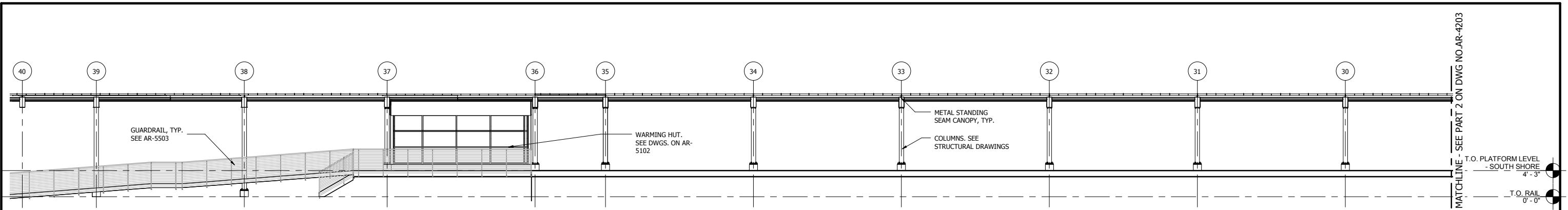
DYER TO HAMMOND, INDIANA

NOT FOR CONSTRUCTION  
SERIES  
AR-4202

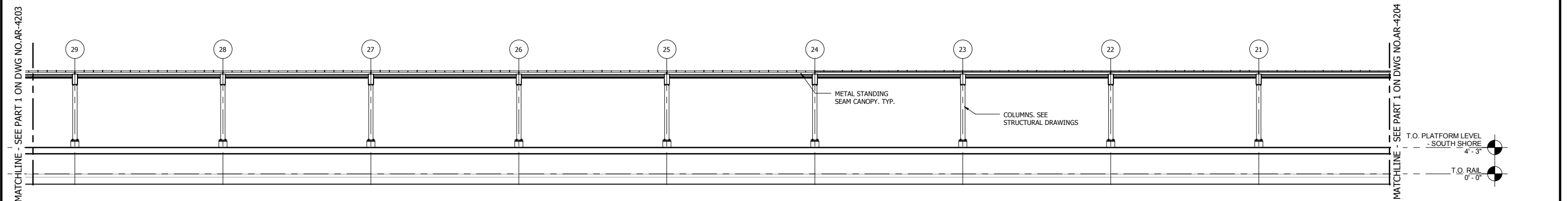
DESIGNED:	Designer
DRAWN:	Author
CHECKED:	Checker
DATE:	07/21/17

NICTD - WEST LAKE CORRIDOR - MP 69.0 PROJECT NAME		SOUTH SHORE STATION PARTIAL SOUTH ELEVATIONS 2	
FILENAME		SHEET	187 OF 361
SCALE	1/8" = 1'-0"		

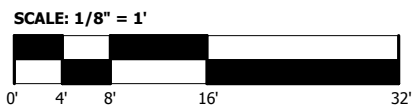
C:\v\12016\WL\_AR\_GATEWAYSTN\_02\_NEDUN.rvt



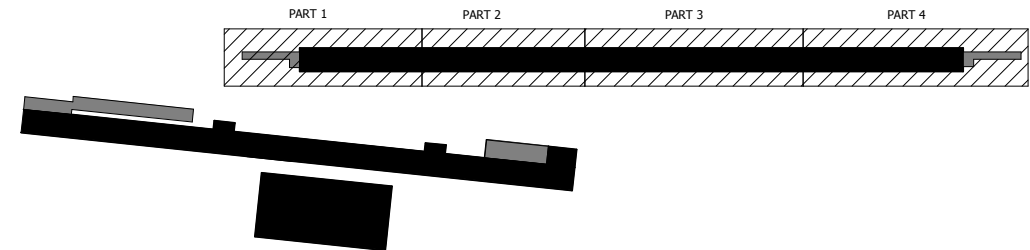
1 SOUTH SHORE PARTIAL NORTH ELEVATION - 1  
1/8" = 1'-0"




2 SOUTH SHORE PARTIAL NORTH ELEVATION - 2  
1/8" = 1'-0"



SCALE: 1/8" = 1'



NOT FOR CONSTRUCTION  
SERIES AR-4203

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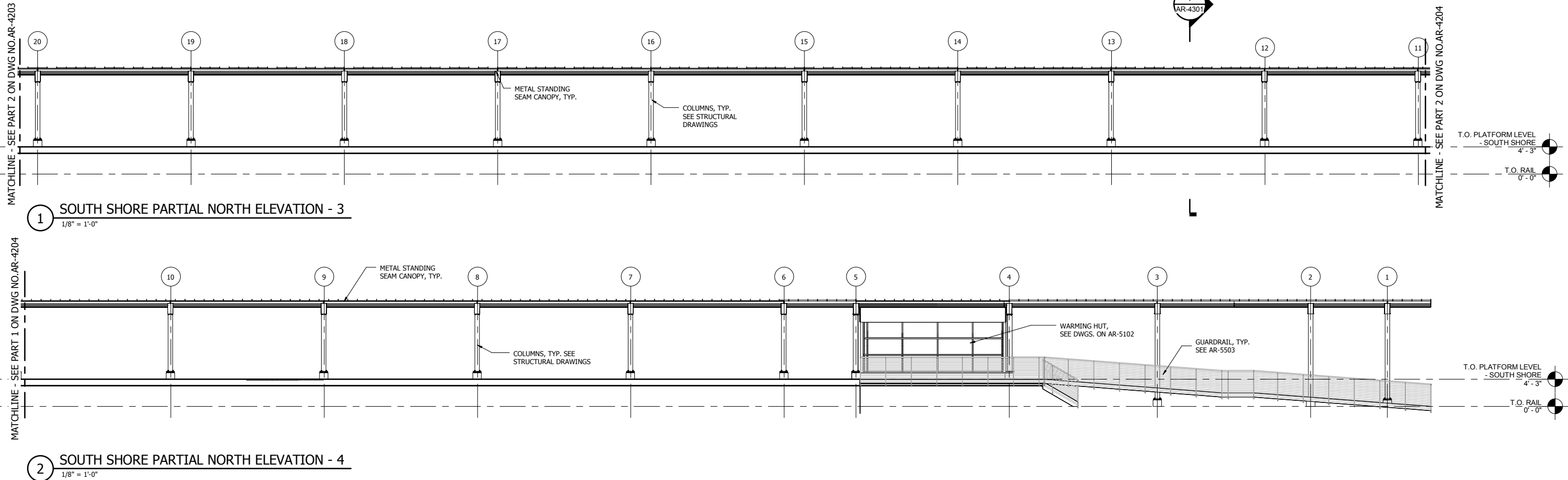


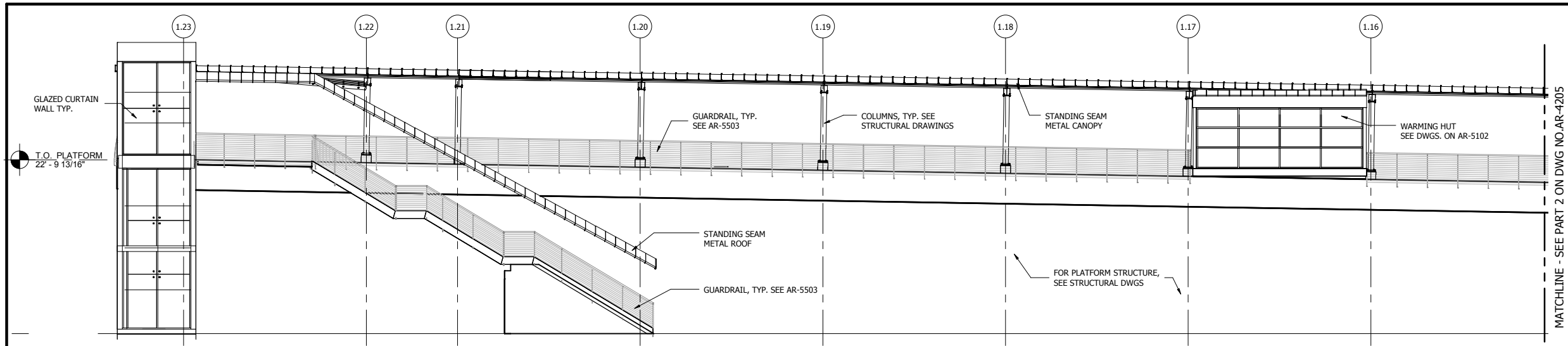
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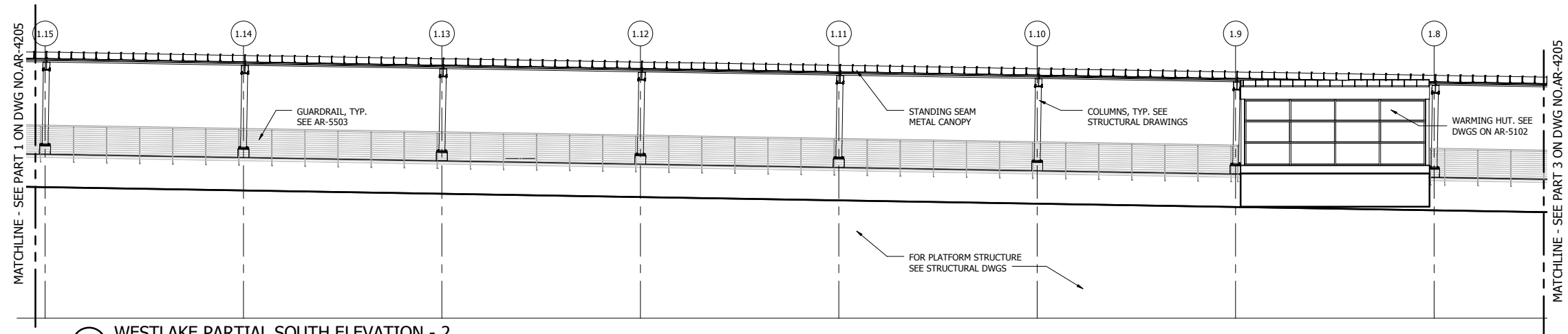
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DRAWN:	Author
CHECKED:	Checker
DATE:	07/21/17

NOT FOR CONSTRUCTION		SERIES AR-4204
NICTD - WEST LAKE CORRIDOR - MP 68.9 PROJECT NAME		
SOUTH SHORE STATION PARTIAL NORTH ELEVATIONS 2		
FILENAME		SHEET
SCALE	1/8" = 1'-0"	189 OF 344

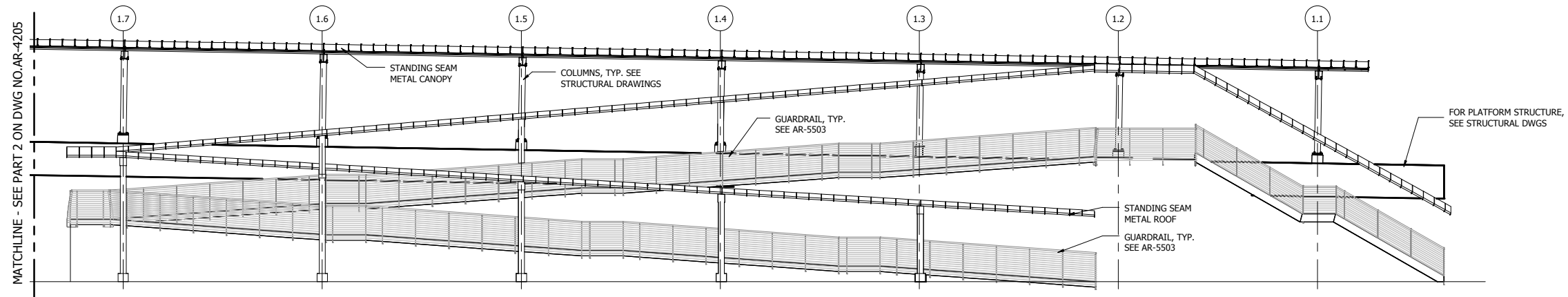




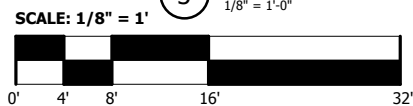
1 WESTLAKE PARTIAL SOUTH ELEVATION - 1  
1/8" = 1'-0"



2 WESTLAKE PARTIAL SOUTH ELEVATION - 2  
1/8" = 1'-0"



3 WESTLAKE PARTIAL SOUTH ELEVATION - 3  
1/8" = 1'-0"



**NOTES**  
1. FOR ELEVATIONS AND GRADE, SEE CIVIL DRAWINGS.

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ISSUE	DATE	DESCRIPTION

**NICTD**  
NORTHERN INDIANA COMMUTER  
TRANSPORTATION DISTRICT  
33 East Highway 12  
Chesterton, Indiana 46304



DYER TO HAMMOND, INDIANA

DESIGNED:	Designer
DRAWN:	Author
CHECKED:	Checker
DATE:	07/21/17

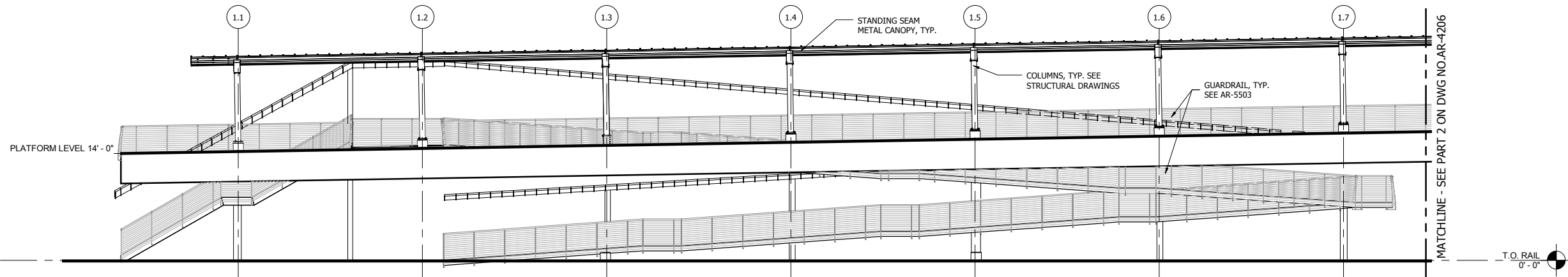
**NOT FOR CONSTRUCTION** SERIES  
**AR-4205**

NICTD - WEST LAKE CORRIDOR - MP 69.0  
PROJECT NAME  
**WEST LAKE STATION PARTIAL  
SOUTH ELEVATIONS**

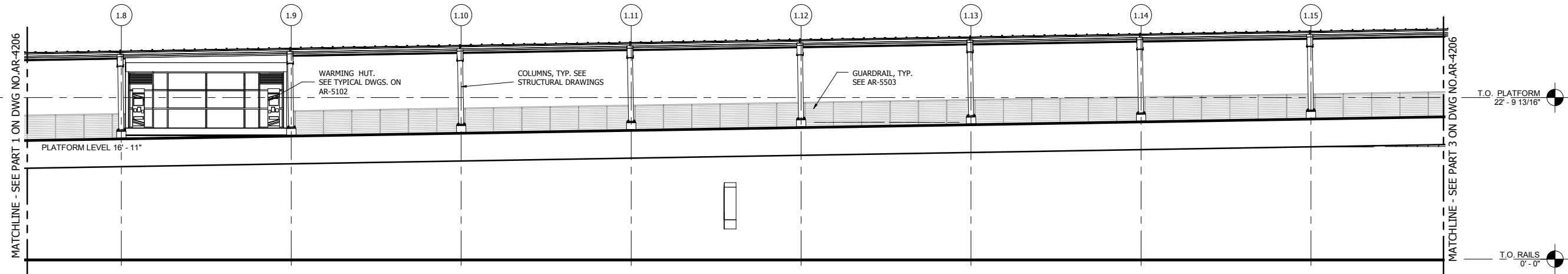
FILENAME	SHEET
SCALE	190 OF 361
1/8" = 1'-0"	

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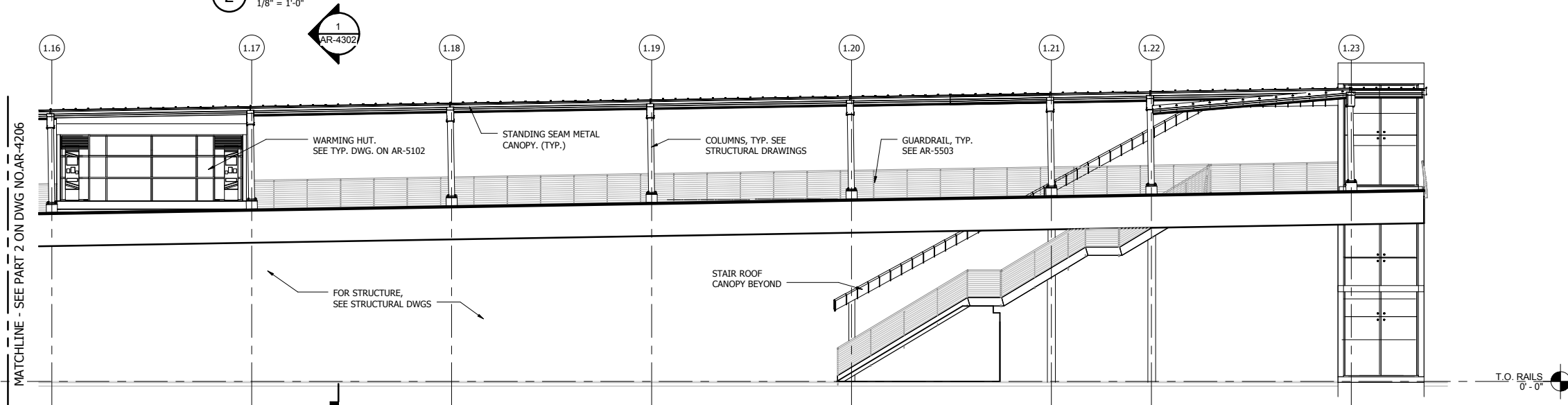




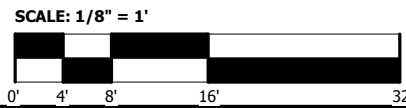
1 WEST LAKE PARTIAL NORTH ELEVATION -1  
1/8" = 1'-0"



2 WEST LAKE PARTIAL NORTH ELEVATION - 2  
1/8" = 1'-0"



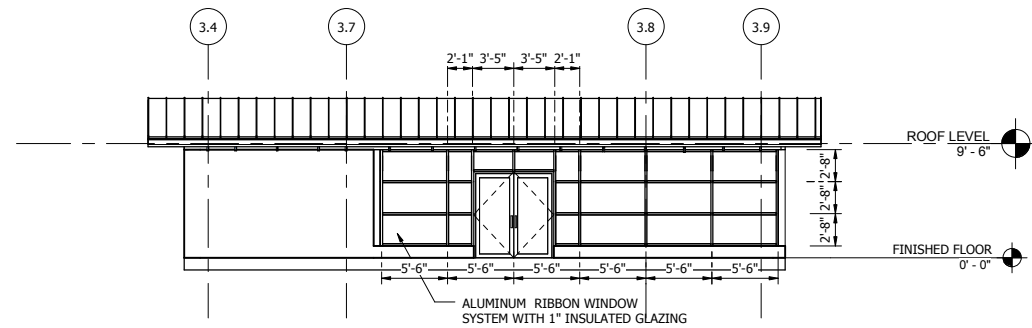
3 WEST LAKE PARTIAL NORTH ELEVATION -3  
1/8" = 1'-0"



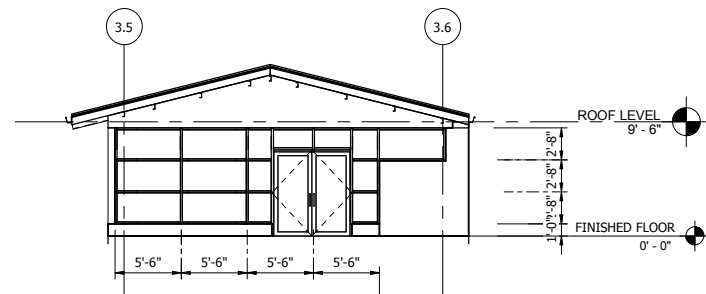
DYER TO HAMMOND, INDIANA

DESIGNED:	Designer
DRAWN:	Author
CHECKED:	Checker
DATE:	07/21/17

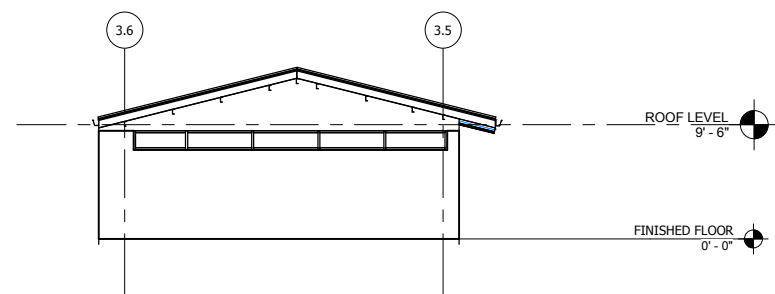
NOT FOR CONSTRUCTION		SERIES
		AR-4206
NICTD - WEST LAKE CORRIDOR - MP 69.0		
PROJECT NAME		
WEST LAKE STATION PARTIAL NORTH ELEVATIONS		
FILENAME		SHEET
SCALE	1/8" = 1'-0"	191 OF 361



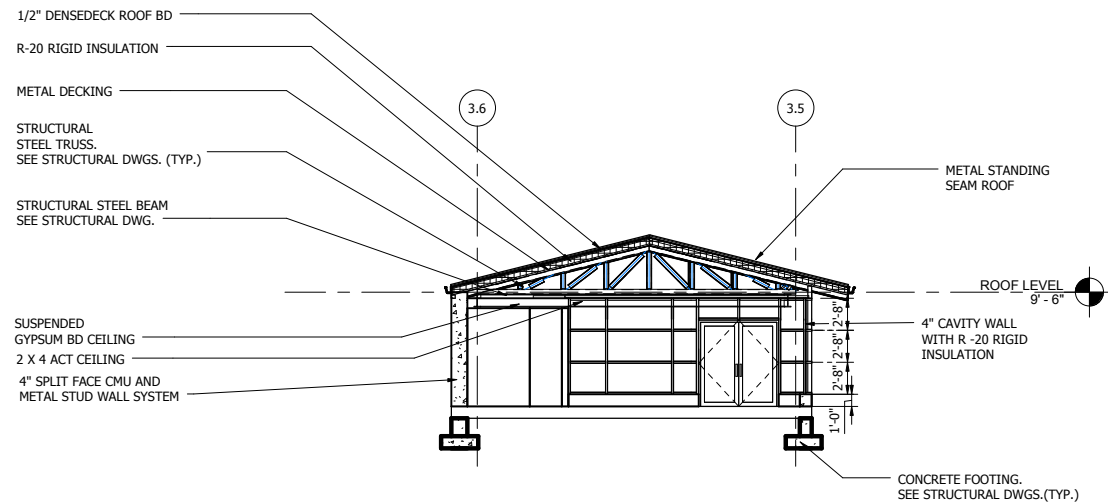
1 STATION BUILDING NORTH ELEVATION  
1/8" = 1'-0"



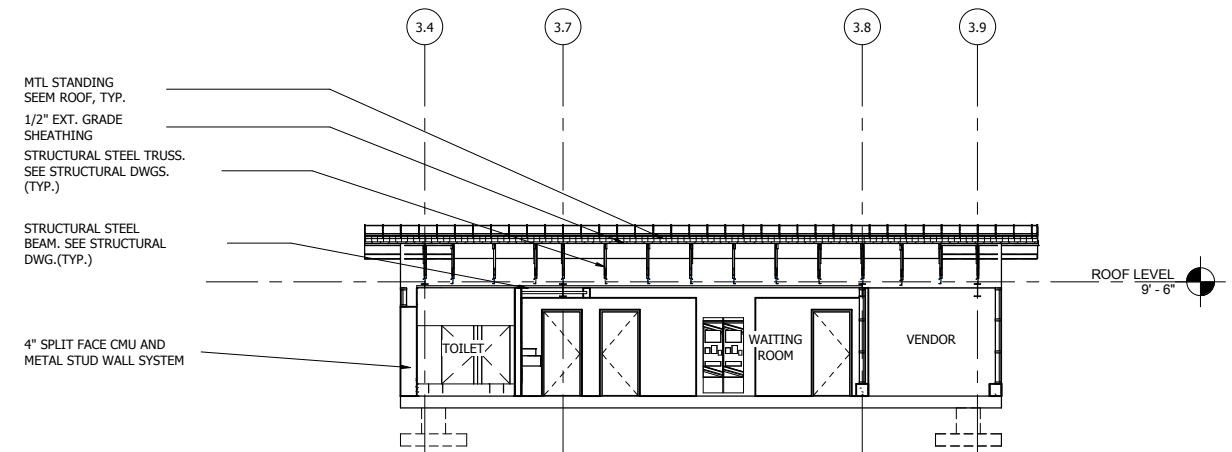
2 STATION BUILDING EAST ELEVATION  
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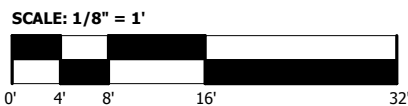
3 STATION BUILDING WEST ELEVATION  
1/8" = 1'-0"



4 CROSS SECTION THROUGH WAITING AREA  
1/8" = 1'-0"



5 LONGITUDINAL SECTION  
1/8" = 1'-0"



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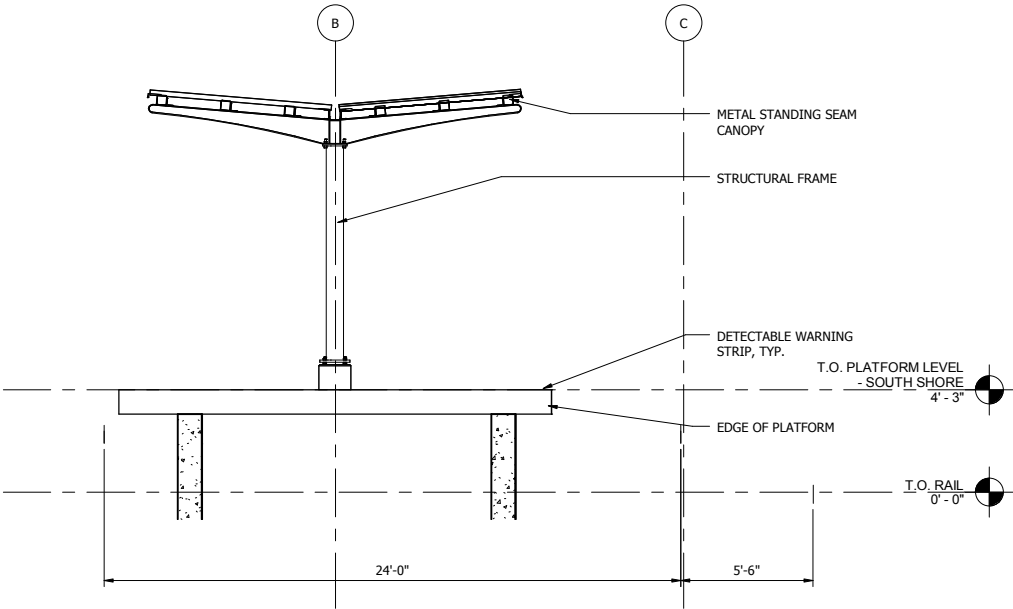
NOT FOR CONSTRUCTION SERIES AR-4207

NICTD - WEST LAKE CORRIDOR - MP 69.0  
PROJECT NAME  
STATION HOUSE ELEVATIONS & SECTIONS

FILENAME	SHEET
SCALE	192 OF 361

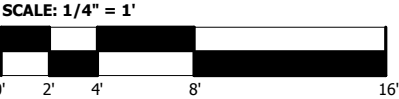
PLOT DATE: 7/20/2017 12:52:15 PM

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1 SOUTH SHORE CROSS SECTION  
1/4" = 1'-0"

**NOTES**  
1. FOR ELEVATIONS AND GRADE, SEE CIVIL DRAWINGS.



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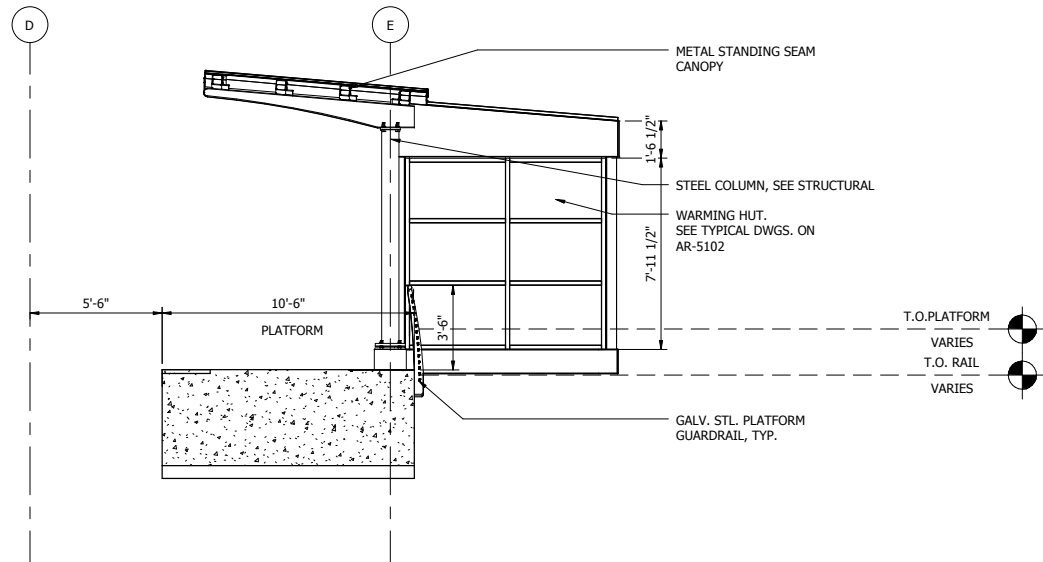
**WEST LAKE**  
CORRIDOR  
DYER TO HAMMOND, INDIANA

DESIGNED:	Designer
DRAWN:	Author
CHECKED:	Checker
DATE:	07/21/17

**NOT FOR CONSTRUCTION**      SERIES  
**AR-4301**

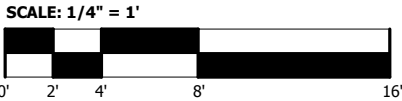
NICTD - WEST LAKE CORRIDOR - MP 68.9  
PROJECT NAME  
**PLATFORM CROSS-SECTION AT  
SOUTH SHORE PLATFORM**

FILENAME		SHEET
SCALE	1/4" = 1'-0"	<b>193 OF 344</b>



1 WEST LAKE STATION CROSS SECTION  
1/4" = 1'-0"

NOTES  
1. FOR ELEVATIONS AND GRADE, SEE CIVIL DRAWINGS.



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**WEST LAKE**  
**CORRIDOR**  
DYER TO HAMMOND, INDIANA

DESIGNED:	Designer
DRAWN:	Author
CHECKED:	Checker
DATE:	07/21/17

NOT FOR CONSTRUCTION		SERIES AR-4302	
NICTD - WEST LAKE CORRIDOR - MP 69.0 PROJECT NAME			
PLATFORM CROSS-SECTION AT WESTLAKE STATION SECTIONS			
FILENAME		SHEET	
SCALE	1/4" = 1'-0"	194 OF 361	

PLOT DATE: 7/20/2017 3:38:12 PM JKJELMA

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LEGEND

- CH

STATION COMMUNICATIONS HUB
- CC

STATION COMMUNICATIONS CABINET
- CCTV CAMERA - FIXED
- CCTV CAMERA - FIXED DOME
- CCTV CAMERA - PTZ
- E

EMERGENCY TELEPHONE (WALL MOUNT)
- TVM

TICKET VENDING MACHINE
- ANS

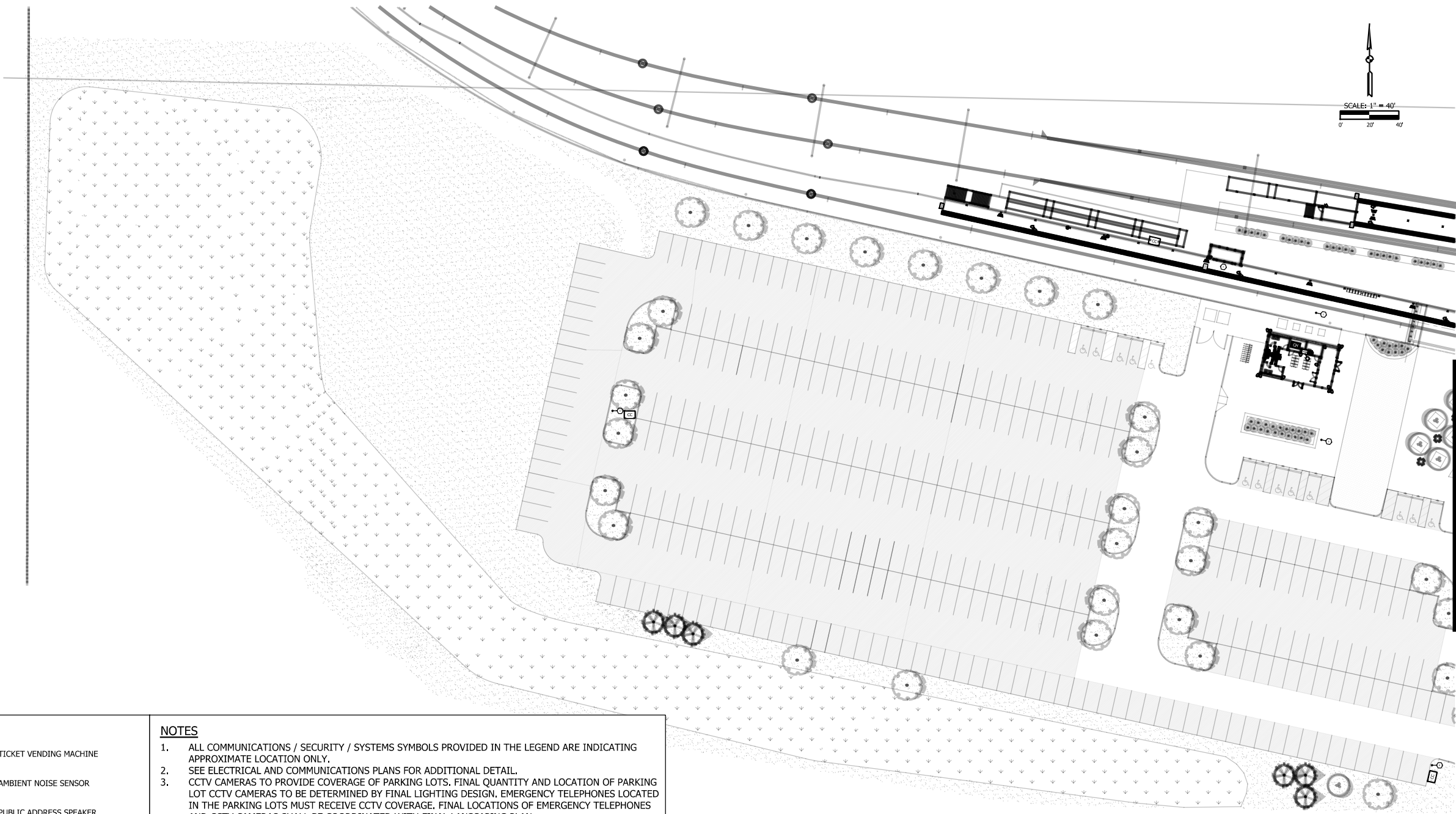
AMBIENT NOISE SENSOR
- PUBLIC ADDRESS SPEAKER
- RTD

REAL-TIME PASSENGER INFORMATION DISPLAY (SINGLE SIDED)
- RTD

REAL-TIME PASSENGER INFORMATION DISPLAY (DUAL SIDED)
- EMERGENCY TELEPHONE (POLE MOUNT)

NOTES

- ALL COMMUNICATIONS / SECURITY / SYSTEMS SYMBOLS PROVIDED IN THE LEGEND ARE INDICATING APPROXIMATE LOCATION ONLY.
- SEE ELECTRICAL AND COMMUNICATIONS PLANS FOR ADDITIONAL DETAIL.
- CCTV CAMERAS TO PROVIDE COVERAGE OF PARKING LOTS. FINAL QUANTITY AND LOCATION OF PARKING LOT CCTV CAMERAS TO BE DETERMINED BY FINAL LIGHTING DESIGN. EMERGENCY TELEPHONES LOCATED IN THE PARKING LOTS MUST RECEIVE CCTV COVERAGE. FINAL LOCATIONS OF EMERGENCY TELEPHONES AND CCTV CAMERAS SHALL BE COORDINATED WITH FINAL LANDSCAPING PLAN.
- ALL EMERGENCY TELEPHONES SHALL BE ADA COMPLIANT.
- PRIOR TO CONSTRUCTION, REFER TO THE COMMUNICATIONS AND ELECTRICAL FINAL DESIGN PLANS AND DOCUMENTS FOR EQUIPMENT INSTALLATION DETAILS.
- THE DESIGN AND LOCATION OF SYSTEMS COMPONENTS INCLUDING CCTV CAMERAS, EMERGENCY TELEPHONES, TICKET VENDING MACHINES, REAL-TIME PASSENGER INFORMATION DISPLAYS, PUBLIC ADDRESS SPEAKERS, AMBIENT NOISE SENSORS, COMMUNICATIONS CABINETS, SWITCHES, ASSOCIATED CONDUIT, ASSOCIATED WIRING, ASSOCIATED CABLING, AND OTHER REQUIRED EQUIPMENT ARE FOR REFERENCE ONLY. REFER TO FINAL DESIGN PLANS FOR ACTUAL QUANTITIES AND LOCATIONS.



MATCH LINE NEXT SHEET

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AR-4801

NICTD - WEST LAKE CORRIDOR - MP WL 61.38 TO WL 69.18  
SINGLE TRACK

PARKING SYSTEMS PLAN 1  
STATION

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SCALE  
AS NOTED

SHEET  
195 OF 361

NICTD

NORTHERN INDIANA COMMUTER  
TRANSPORTATION DISTRICT  
33 East Highway 12  
Chesterton, Indiana 46304

WEST LAKE  
CORRIDOR

DYER TO HAMMOND, INDIANA

DESIGNED:	T. HILES
DRAWN:	J. MERSEREAU
CHECKED:	S. WICKS
DATE:	07/21/17



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DRAWN:	J. MERSEREAU
CHECKED:	S. WICKS
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AR-4802

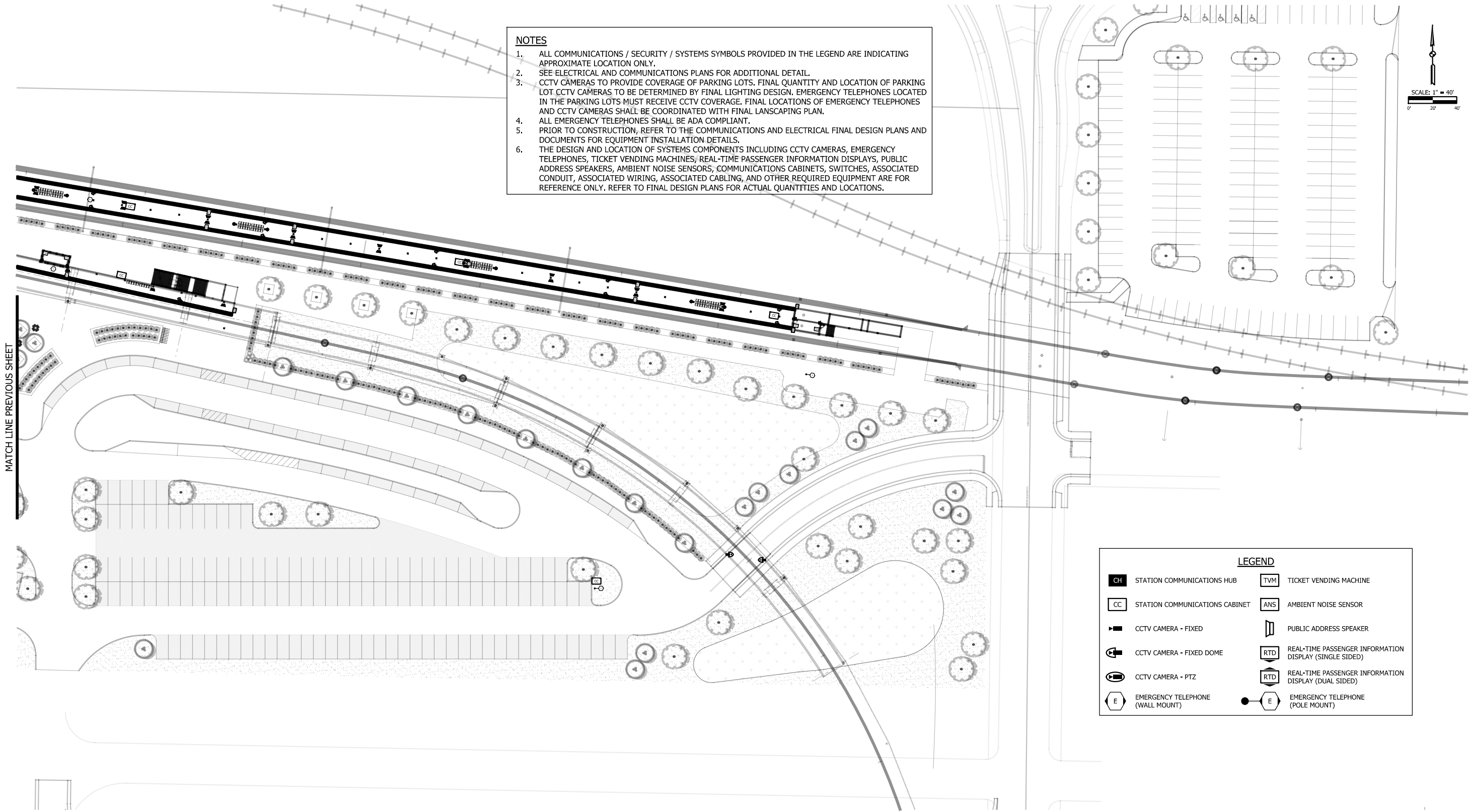
NICTD - WEST LAKE CORRIDOR - MP WL 61.38 TO WL 69.18  
SINGLE TRACK

PARKING SYSTEMS PLAN 2  
STATION

FILENAME  
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SCALE  
AS NOTED

SHEET  
196 OF 361



LEGEND

CH	STATION COMMUNICATIONS HUB	TVM	TICKET VENDING MACHINE
CC	STATION COMMUNICATIONS CABINET	ANS	AMBIENT NOISE SENSOR
■	CCTV CAMERA - FIXED	PA	PUBLIC ADDRESS SPEAKER
📹	CCTV CAMERA - FIXED DOME	RTD	REAL-TIME PASSENGER INFORMATION DISPLAY (SINGLE SIDED)
📹	CCTV CAMERA - PTZ	RTD	REAL-TIME PASSENGER INFORMATION DISPLAY (DUAL SIDED)
E	EMERGENCY TELEPHONE (WALL MOUNT)	E	EMERGENCY TELEPHONE (POLE MOUNT)

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CHECKED:	S. WICKS
DATE:	07/21/17

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SERIES  
AR-4803

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SINGLE TRACK

STATION BUILDING SYSTEMS PLAN  
STATION

FILENAME  
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SCALE  
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CH

STATION COMMUNICATIONS HUB

CC

STATION COMMUNICATIONS CABINET

CCTV CAMERA - FIXED

CCTV CAMERA - FIXED DOME

CCTV CAMERA - PTZ

E

EMERGENCY TELEPHONE  
(WALL MOUNT)

TVM

TICKET VENDING MACHINE

ANS

AMBIENT NOISE SENSOR

P

PUBLIC ADDRESS SPEAKER

RTD

REAL-TIME PASSENGER INFORMATION  
DISPLAY (SINGLE SIDED)

RTD

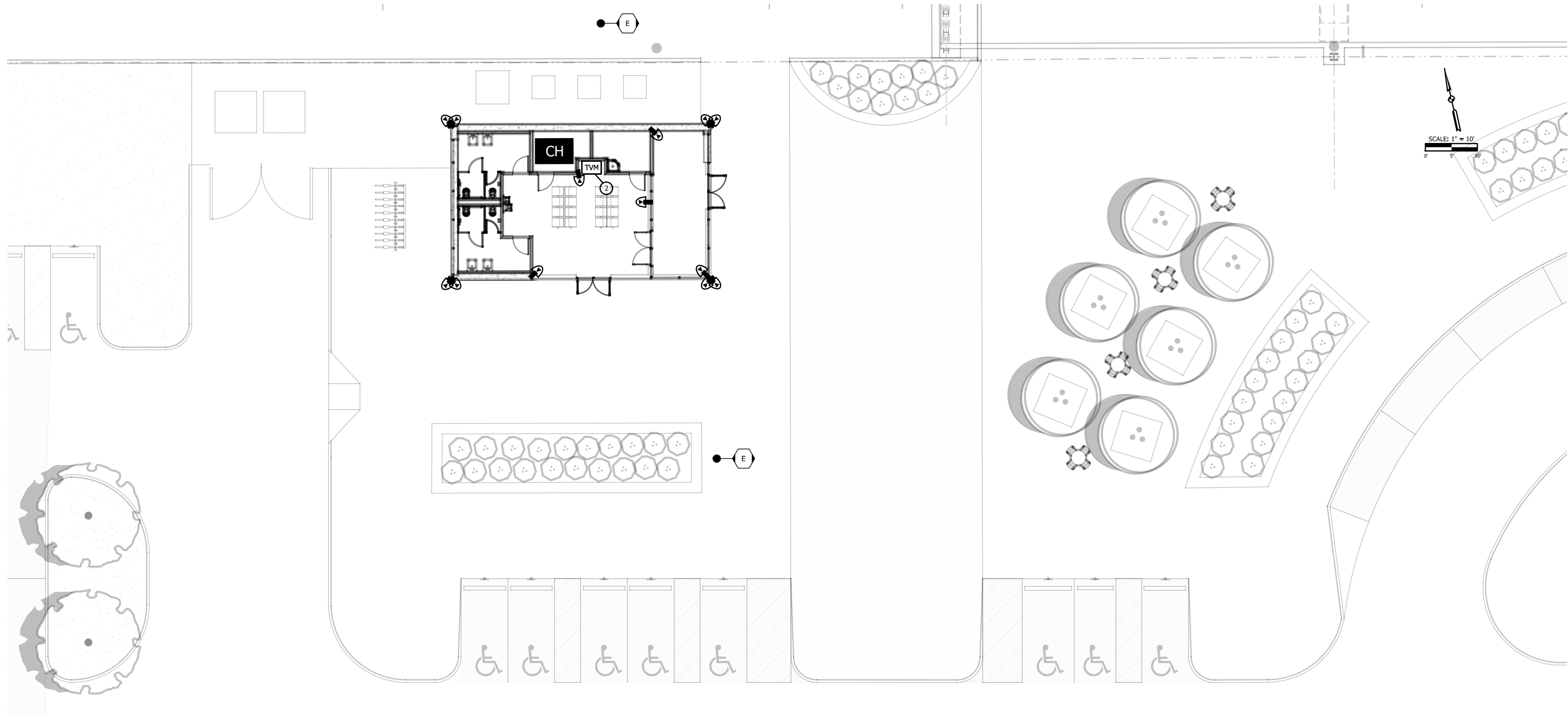
REAL-TIME PASSENGER INFORMATION  
DISPLAY (DUAL SIDED)

E

EMERGENCY TELEPHONE  
(POLE MOUNT)

NOTES

1. ALL COMMUNICATIONS / SECURITY / SYSTEMS SYMBOLS PROVIDED IN THE LEGEND ARE INDICATING APPROXIMATE LOCATION ONLY.  
2. SEE ELECTRICAL AND COMMUNICATIONS PLANS FOR ADDITIONAL DETAIL.  
3. CCTV CAMERAS TO PROVIDE COVERAGE OF PARKING LOTS. FINAL QUANTITY AND LOCATION OF PARKING LOT CCTV CAMERAS TO BE DETERMINED BY FINAL LIGHTING DESIGN. EMERGENCY TELEPHONES LOCATED IN THE PARKING LOTS MUST RECEIVE CCTV COVERAGE. FINAL LOCATIONS OF EMERGENCY TELEPHONES AND CCTV CAMERAS SHALL BE COORDINATED WITH FINAL LANDSCAPING PLAN.  
4. ALL EMERGENCY TELEPHONES SHALL BE ADA COMPLIANT.  
5. PRIOR TO CONSTRUCTION, REFER TO THE COMMUNICATIONS AND ELECTRICAL FINAL DESIGN PLANS AND DOCUMENTS FOR EQUIPMENT INSTALLATION DETAILS.  
6. THE DESIGN AND LOCATION OF SYSTEMS COMPONENTS INCLUDING CCTV CAMERAS, EMERGENCY TELEPHONES, TICKET VENDING MACHINES, REAL-TIME PASSENGER INFORMATION DISPLAYS, PUBLIC ADDRESS SPEAKERS, AMBIENT NOISE SENSORS, COMMUNICATIONS CABINETS, SWITCHES, ASSOCIATED CONDUIT, ASSOCIATED WIRING, ASSOCIATED CABLING, AND OTHER REQUIRED EQUIPMENT ARE FOR REFERENCE ONLY. REFER TO FINAL DESIGN PLANS FOR ACTUAL QUANTITIES AND LOCATIONS.



PLOT DATE: 7/21/2017 9:55:03 AM JKJELIMA



ISSUE	DATE	DESCRIPTION



DESIGNED:	T. HILES
DRAWN:	J. MERSEREAU
CHECKED:	S. WICKS
DATE:	07/21/17

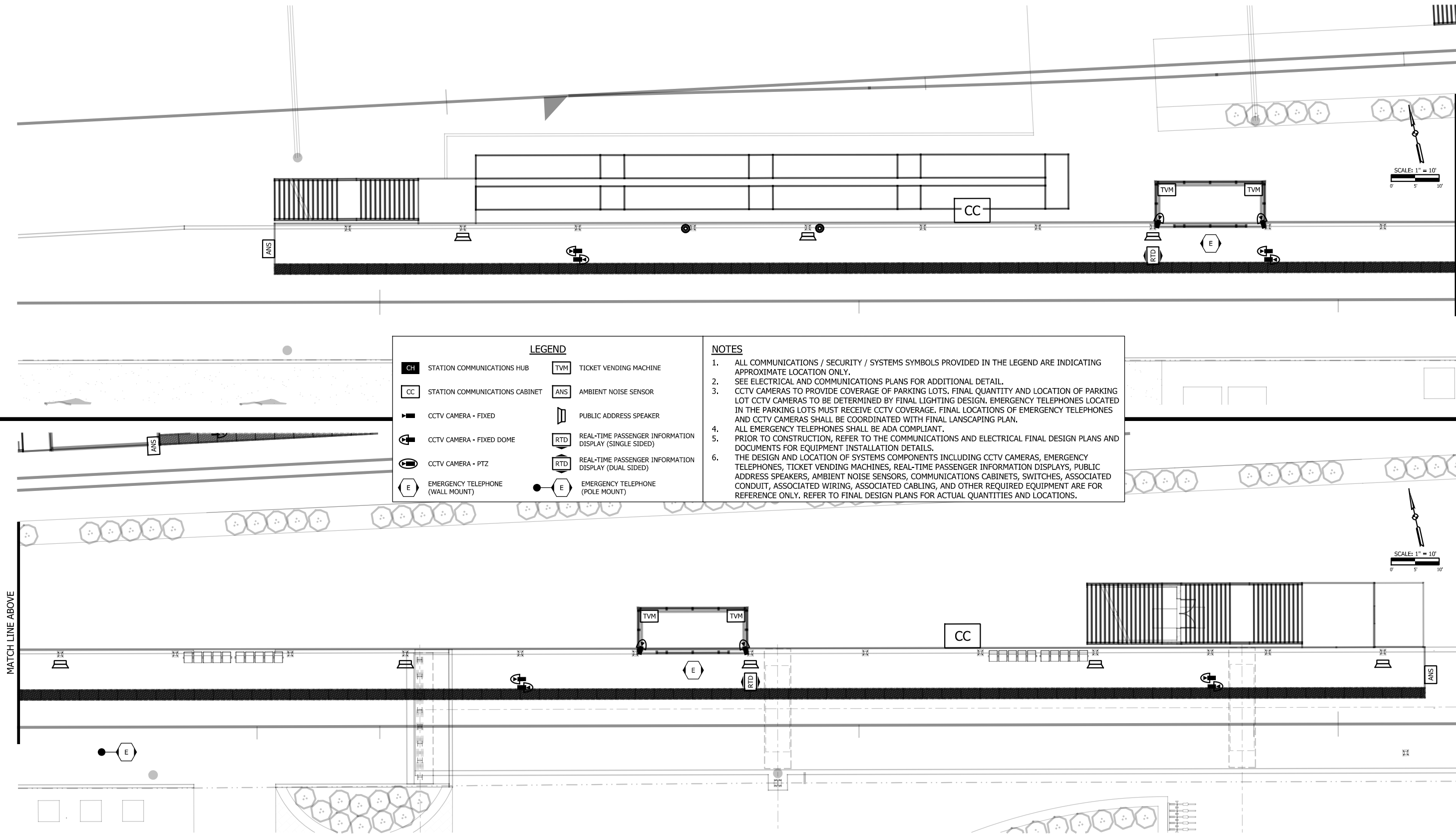
**NOT FOR CONSTRUCTION**

SERIES  
AR-4804

NICTD - WEST LAKE CORRIDOR - MP WL 61.38 TO WL 69.18  
SINGLE TRACK

WL PLATFORM SYSTEMS PLAN  
STATION

FILENAME	SHT_WL_TE_HG_PL_04.dgn	SHEET
SCALE	AS NOTED	198 OF 361



MATCH LINE BELOW



PLOT DATE: 7/21/2017 9:56:41 AM JKJELIMA

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8550 W Bryn Mawr Ave., Suite 900

Chicago, IL 60631

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ISSUE	DATE	DESCRIPTION

NICTD

NORTHERN INDIANA COMMUTER  
TRANSPORTATION DISTRICT  
33 East Highway 12  
Chesterton, Indiana 46304

WEST LAKE  
CORRIDOR

DYER TO HAMMOND, INDIANA

DESIGNED:	T. HILES
DRAWN:	J. MERSEREAU
CHECKED:	S. WICKS
DATE:	07/21/17

NOT FOR CONSTRUCTION

SERIES  
AR-4805

NICTD - WEST LAKE CORRIDOR - MP WL 61.38 TO WL 69.18  
SINGLE TRACK

SS PLATFORM SYSTEMS PLAN 1  
STATION

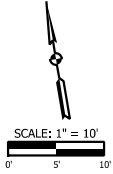
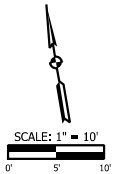
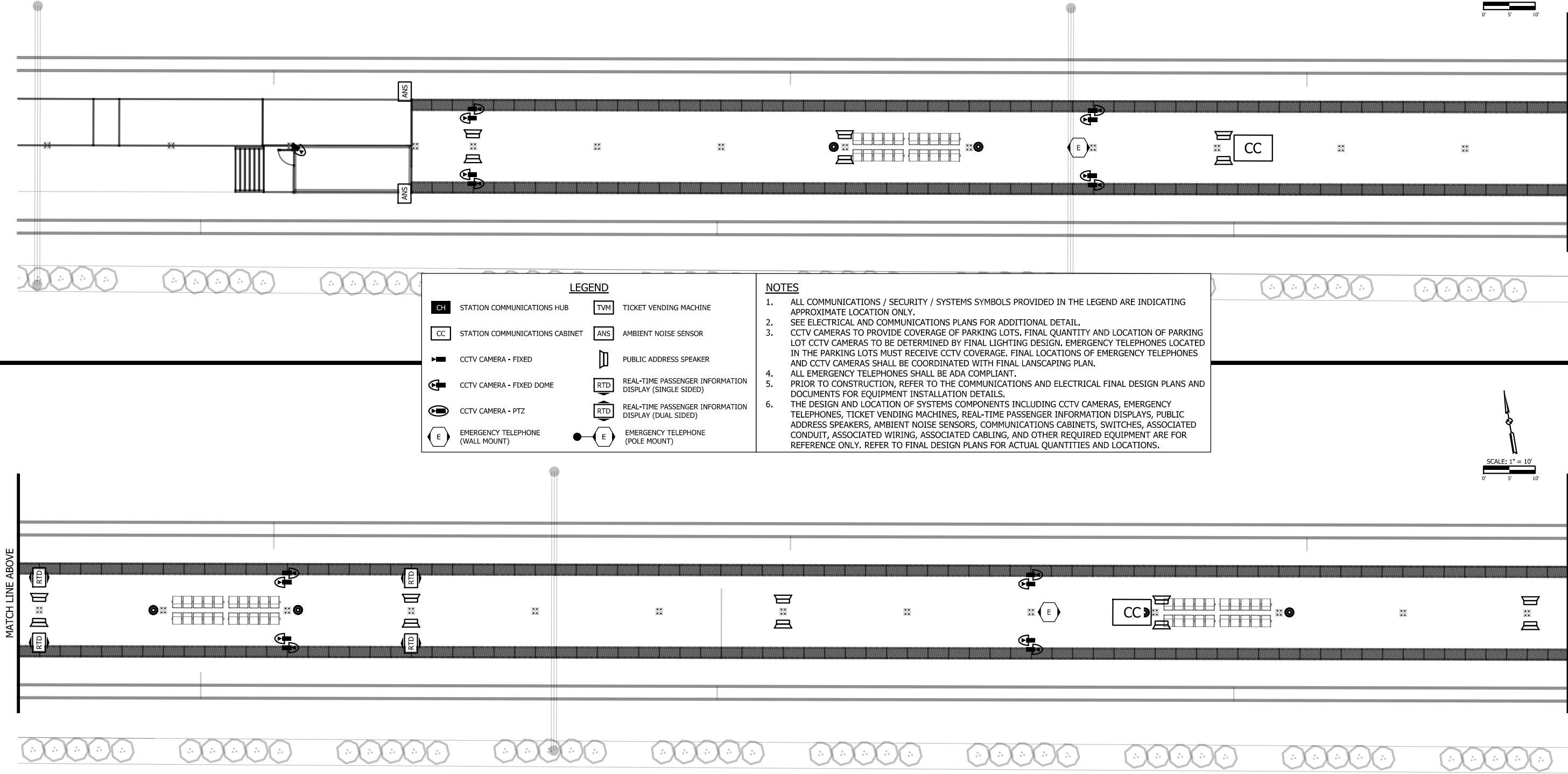
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SCALE  
AS NOTED

SHEET  
199 OF 361

MATCH LINE ABOVE

MATCH LINE NEXT SHEET



PLOT DATE: 7/21/2017 9:59:20 AM  
JKJELLM

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Chicago, IL 60631  
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ISSUE	DATE	DESCRIPTION

NICTD

NORTHERN INDIANA COMMUTER  
TRANSPORTATION DISTRICT  
33 East Highway 12  
Chesterton, Indiana 46304

WEST LAKE

CORRIDOR

DYER TO HAMMOND, INDIANA

DESIGNED:	T. HILES
DRAWN:	J. MERSEREAU
CHECKED:	S. WICKS
DATE:	07/21/17

NOT FOR CONSTRUCTION

SERIES  
AR-4806

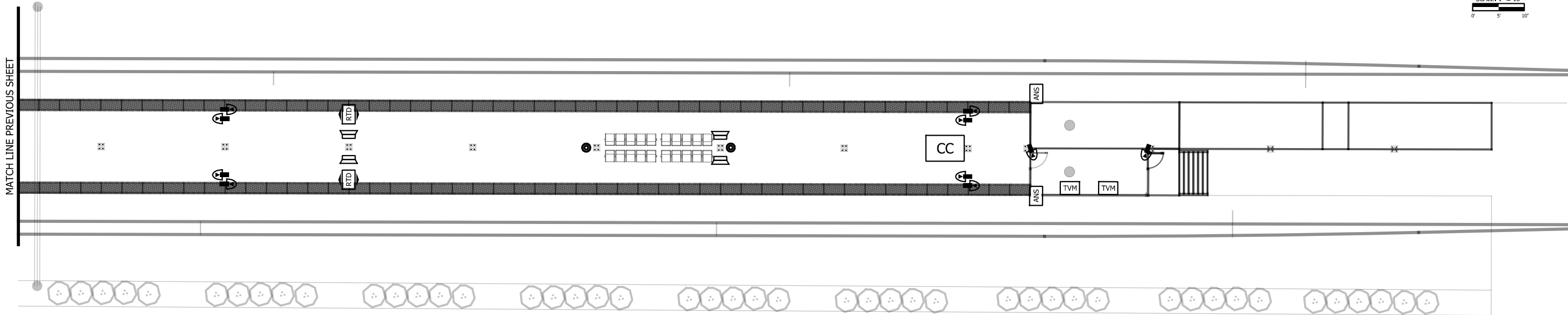
NICTD - WEST LAKE CORRIDOR - MP WL 61.38 TO WL 69.18  
SINGLE TRACK

SS PLATFORM SYSTEMS PLAN 2  
STATION

FILENAME  
SHT\_WL\_TE\_HG\_PL\_06.dgn

SCALE  
AS NOTED

SHEET  
200 OF 361



**LEGEND**

CH

STATION COMMUNICATIONS HUB

CC

STATION COMMUNICATIONS CABINET

CCTV CAMERA - FIXED

CCTV CAMERA - FIXED DOME

CCTV CAMERA - PTZ

EMERGENCY TELEPHONE  
(WALL MOUNT)

TVM

TICKET VENDING MACHINE

ANS

AMBIENT NOISE SENSOR

PUBLIC ADDRESS SPEAKER

RTD

REAL-TIME PASSENGER INFORMATION  
DISPLAY (SINGLE SIDED)

RTD

REAL-TIME PASSENGER INFORMATION  
DISPLAY (DUAL SIDED)

EMERGENCY TELEPHONE  
(POLE MOUNT)

**NOTES**

1. ALL COMMUNICATIONS / SECURITY / SYSTEMS SYMBOLS PROVIDED IN THE LEGEND ARE INDICATING APPROXIMATE LOCATION ONLY.

2. SEE ELECTRICAL AND COMMUNICATIONS PLANS FOR ADDITIONAL DETAIL.

3. CCTV CAMERAS TO PROVIDE COVERAGE OF PARKING LOTS. FINAL QUANTITY AND LOCATION OF PARKING LOT CCTV CAMERAS TO BE DETERMINED BY FINAL LIGHTING DESIGN. EMERGENCY TELEPHONES LOCATED IN THE PARKING LOTS MUST RECEIVE CCTV COVERAGE. FINAL LOCATIONS OF EMERGENCY TELEPHONES AND CCTV CAMERAS SHALL BE COORDINATED WITH FINAL LANDSCAPING PLAN.

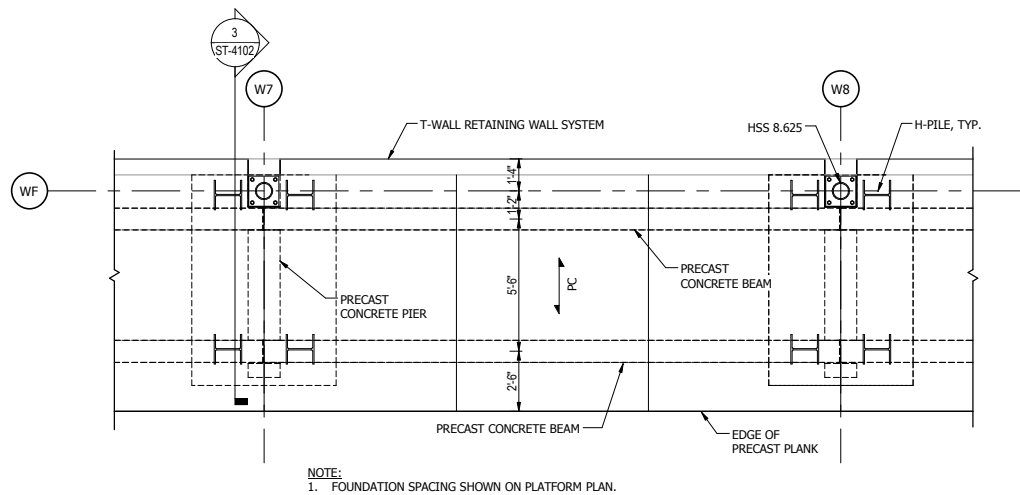
4. ALL EMERGENCY TELEPHONES SHALL BE ADA COMPLIANT.

5. PRIOR TO CONSTRUCTION, REFER TO THE COMMUNICATIONS AND ELECTRICAL FINAL DESIGN PLANS AND DOCUMENTS FOR EQUIPMENT INSTALLATION DETAILS.

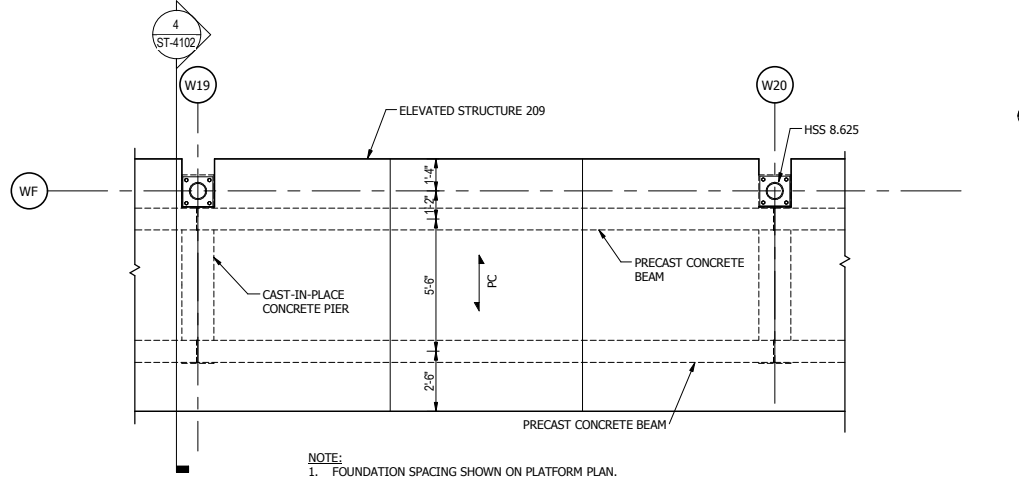
6. THE DESIGN AND LOCATION OF SYSTEMS COMPONENTS INCLUDING CCTV CAMERAS, EMERGENCY TELEPHONES, TICKET VENDING MACHINES, REAL-TIME PASSENGER INFORMATION DISPLAYS, PUBLIC ADDRESS SPEAKERS, AMBIENT NOISE SENSORS, COMMUNICATIONS CABINETS, SWITCHES, ASSOCIATED CONDUIT, ASSOCIATED WIRING, ASSOCIATED CABLING, AND OTHER REQUIRED EQUIPMENT ARE FOR REFERENCE ONLY. REFER TO FINAL DESIGN PLANS FOR ACTUAL QUANTITIES AND LOCATIONS.



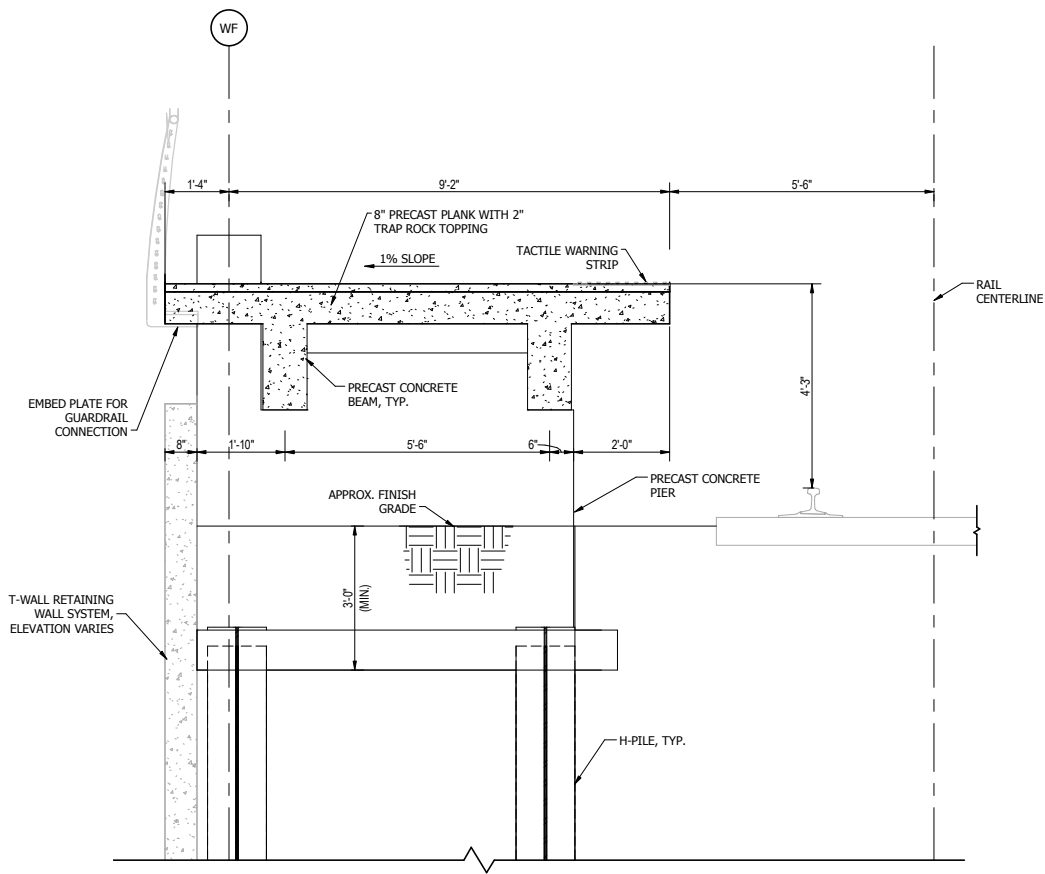




1 TYPICAL PLATFORM FRAMING AT T-WALL  
1/4" = 1'-0"

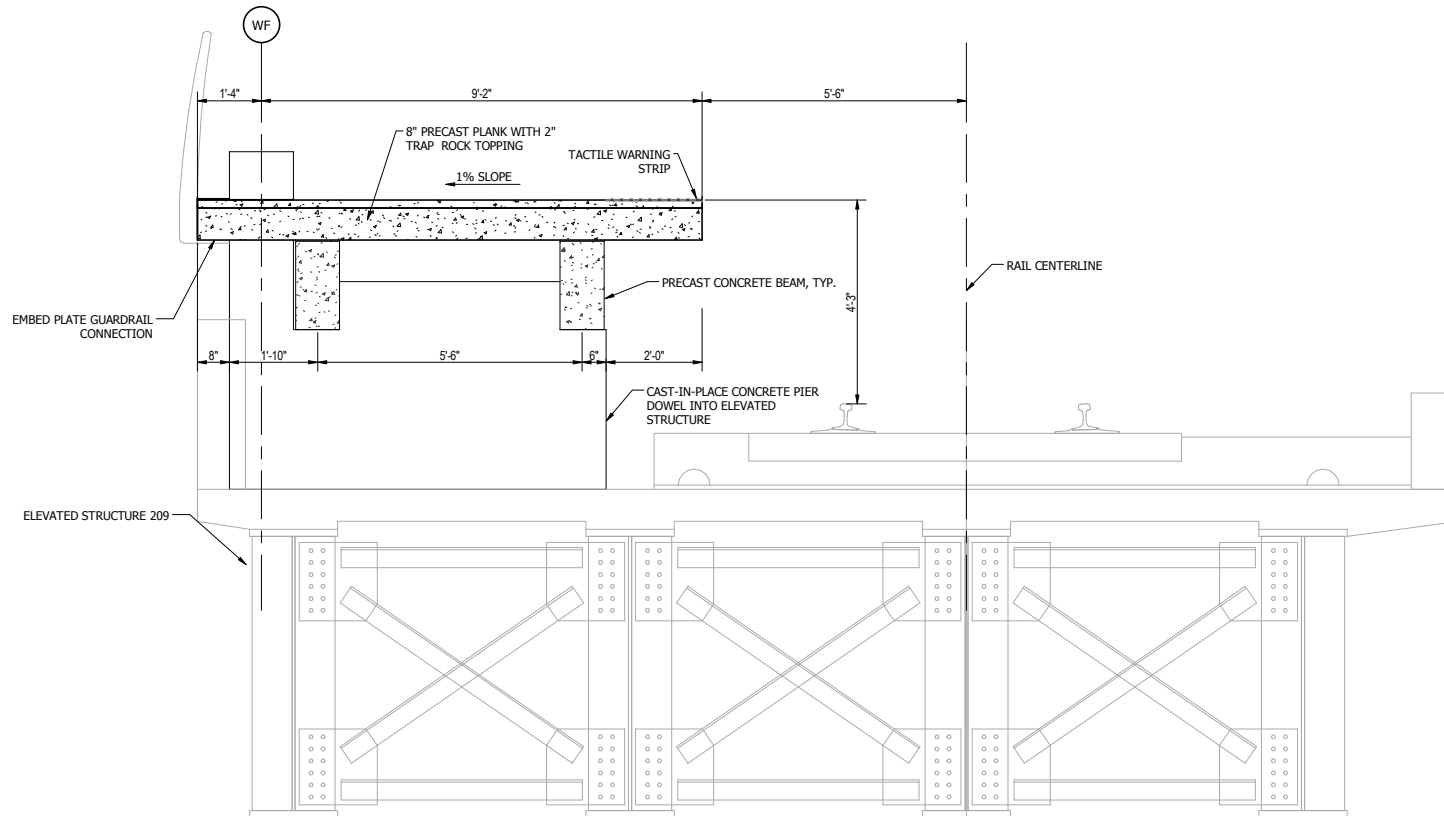


2 TYPICAL PLATFORM FRAMING AT ELEVATED STRUCTURE  
1/4" = 1'-0"



- NOTES:  
1. PROVIDE ELECTRICAL HEATING MAT INTEGRAL IN PRECAST PLANKS.  
2. STEEL COLUMN AND CANOPY NOT SHOWN FOR CLARITY.

3 TYPICAL PLATFORM SECTION AT T-WALL  
1/2" = 1'-0"



- NOTES:  
1. PROVIDE ELECTRICAL HEATING MAT INTEGRAL IN PRECAST PLANKS.  
2. STEEL COLUMN AND CANOPY NOT SHOWN FOR CLARITY.

4 TYPICAL PLATFORM SECTION AT ELEVATED STRUCTURE  
1/2" = 1'-0"

NOT FOR CONSTRUCTION SERIES ST-4102

**HDR**  
HDR Engineering, Inc.  
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ISSUE	DATE	DESCRIPTION
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**NICTD**  
NORTHERN INDIANA COMMUTER  
TRANSPORTATION DISTRICT  
33 East Highway 12  
Chesterton, Indiana 46304



DYER TO HAMMOND, INDIANA

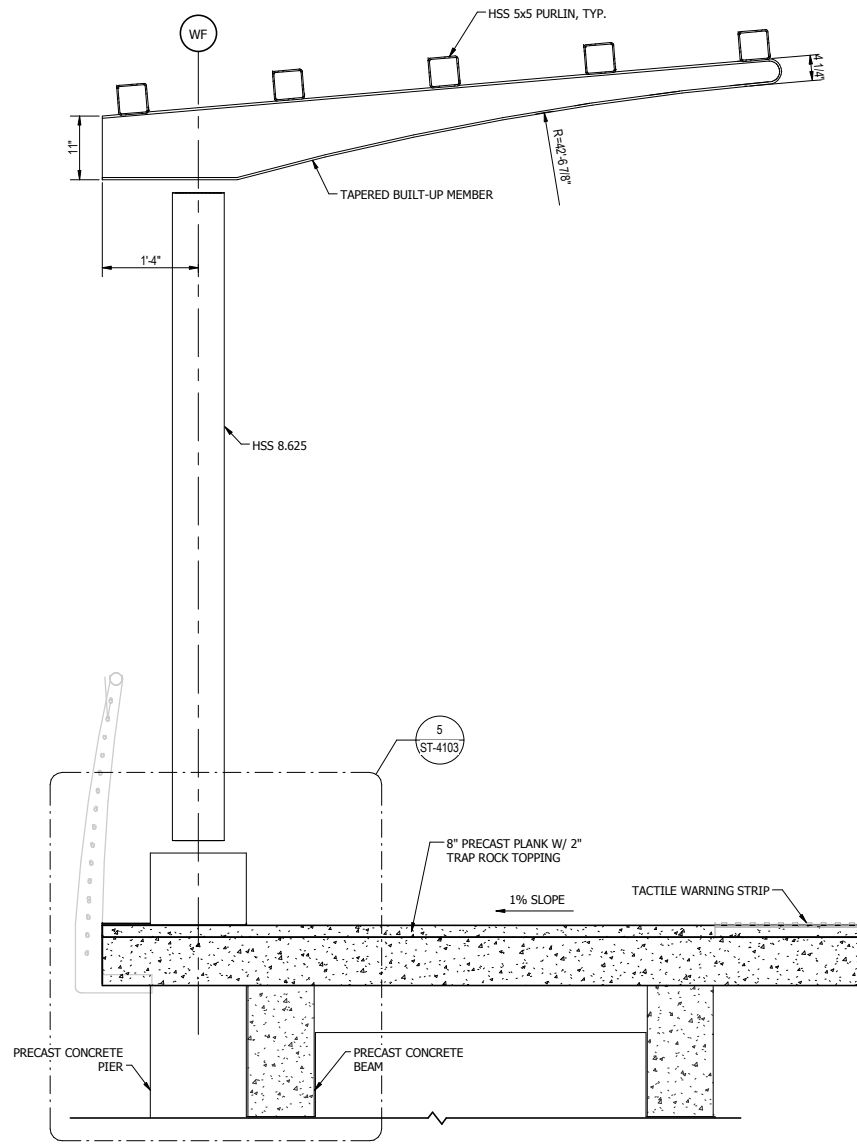
DESIGNED:	VMR
DRAWN:	VMR
CHECKED:	CVAN
DATE:	07/21/17

NICTD - WEST LAKE CORRIDOR - MP 69.0  
PROJECT NAME  
**WEST LAKE PLATFORM FRAMING PLAN**

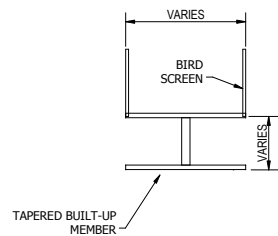
FILENAME	SHEET
SCALE	As indicated
202 OF 361	

PLOT DATE: 19-Jul-17 3:02:40 PM

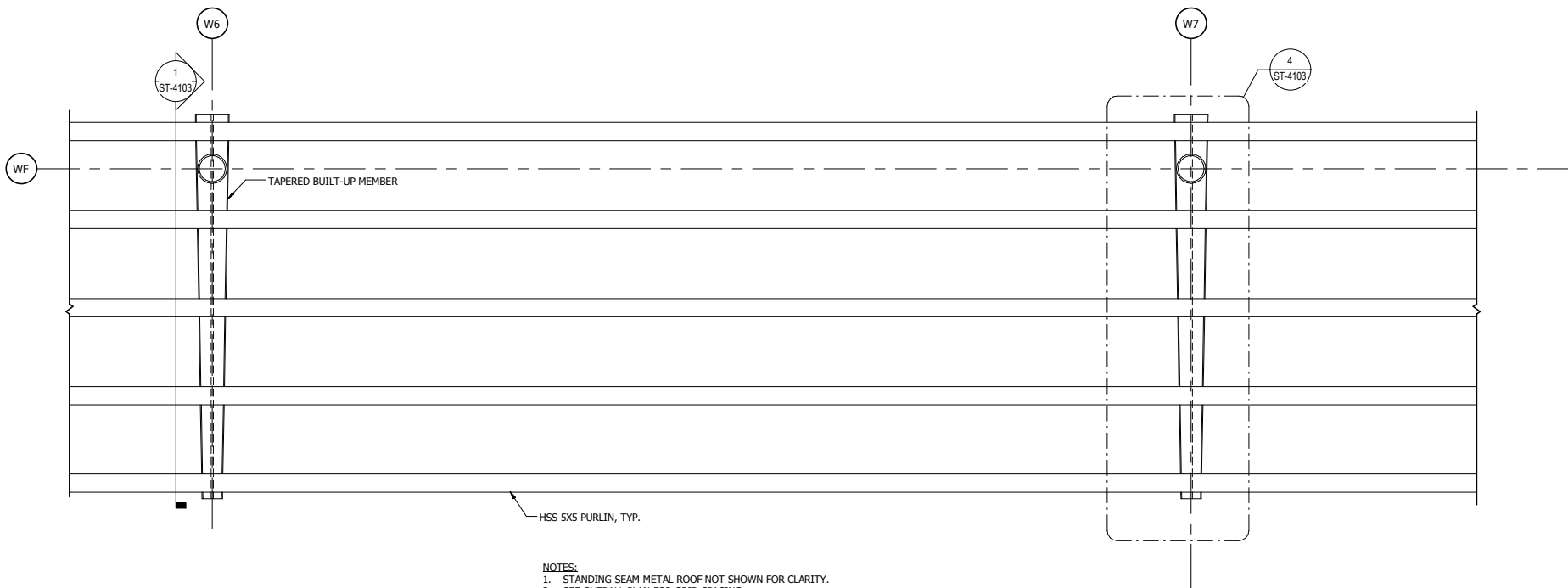
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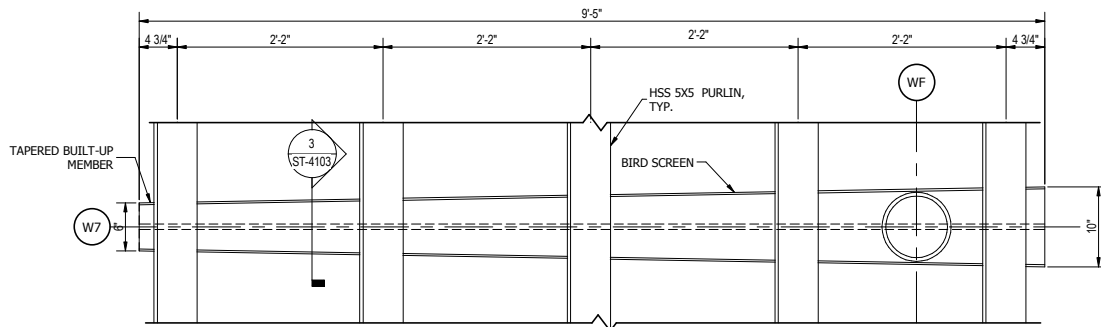
1 TYPICAL CANOPY SECTION  
3/4" = 1'-0"



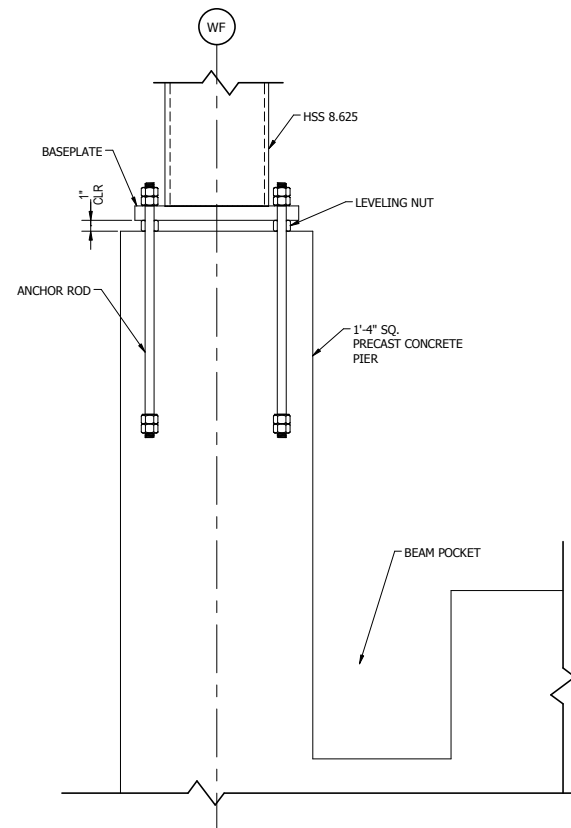
3 TYPICAL MEMBER SECTION  
1 1/2" = 1'-0"



2 TYPICAL CANOPY FRAMING PLAN  
1/2" = 1'-0"



4 WEST LAKE CANOPY PURLIN-BEAM DETAIL  
1" = 1'-0"



5 TYPICAL BASEPLATE CONFIGURATION  
1 1/2" = 1'-0"



ISSUE	DATE	DESCRIPTION



DYER TO HAMMOND, INDIANA

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DATE:	07/21/17

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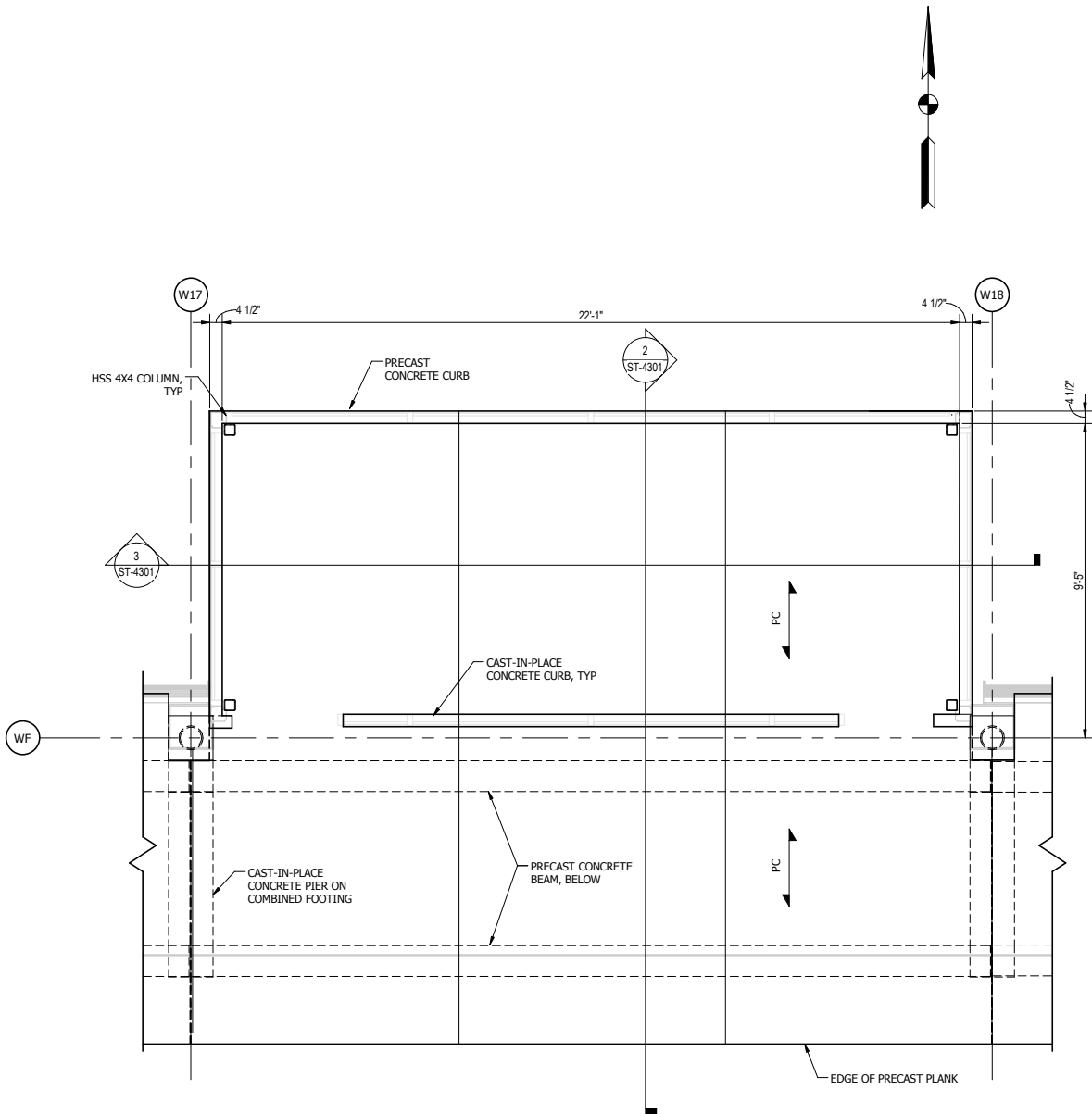
NICTD - WEST LAKE CORRIDOR - MP 69.0

PROJECT NAME

WEST LAKE PLATFORM CANOPY  
ROOF PLAN

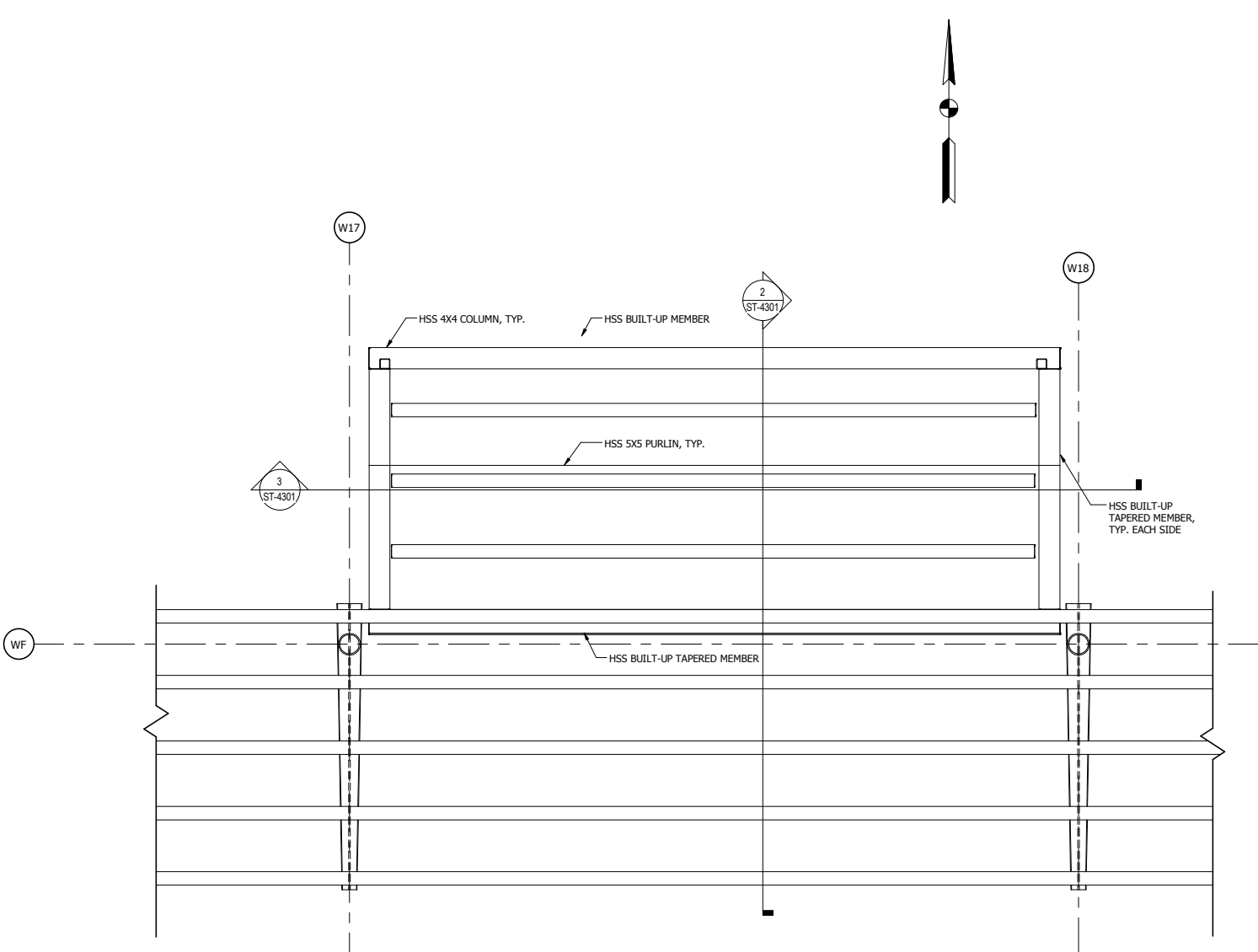
FILENAME	
SCALE	As indicated

SHEET	203 OF 361
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NOTE:  
1. SEE ST-4102 FOR TYPICAL PLATFORM FRAMING AND FOUNDATION.

1 TYPICAL WARMING HOUSE SLAB PLAN  
3/8" = 1'-0"



NOTES:  
1. STANDING SEAM METAL ROOF NOT SHOWN FOR CLARITY.  
2. SEE PLATFORM PLAN FOR GRID SPACING.

2 TYPICAL WARMING HOUSE ROOF FRAMING PLAN  
3/8" = 1'-0"

PLOT DATE: 19-Jul-17 3:02:41 PM

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ISSUE	DATE	DESCRIPTION

**NICTD**  
NORTHERN INDIANA COMMUTER  
TRANSPORTATION DISTRICT  
33 East Highway 12  
Chesterton, Indiana 46304



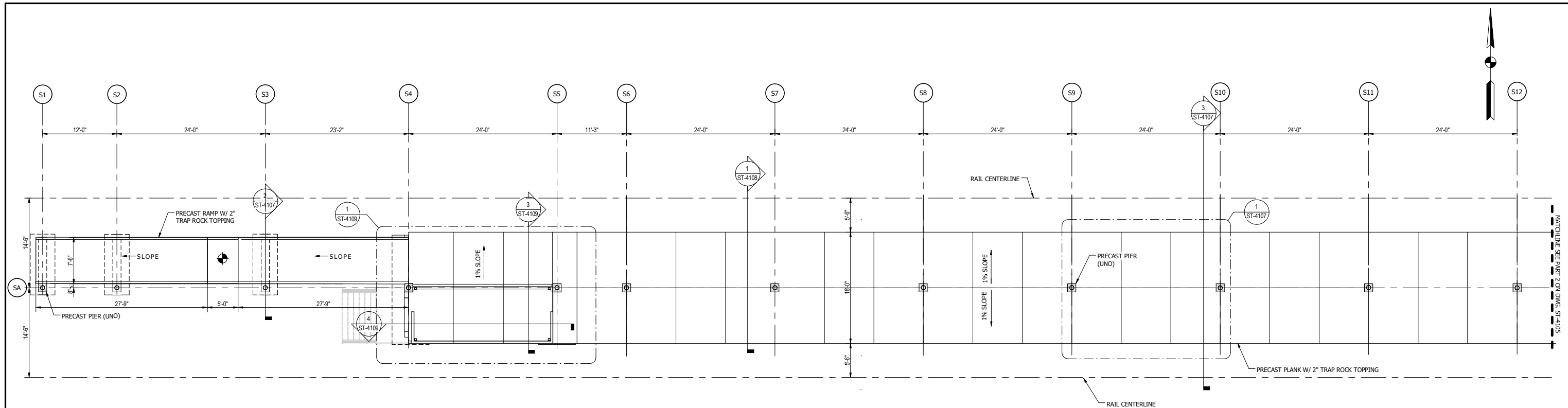
DYER TO HAMMOND, INDIANA

DESIGNED:	VMR
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CHECKED:	CVAN
DATE:	07/21/17

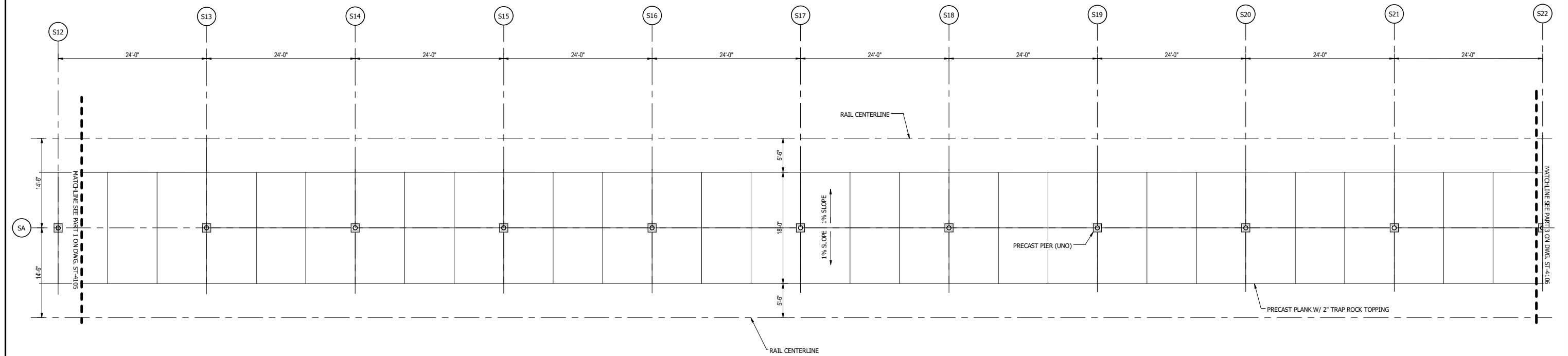
NOT FOR CONSTRUCTION  
SERIES ST-4104

NICTD - WEST LAKE CORRIDOR - MP 69.0  
PROJECT NAME  
**WEST LAKE WARMING HOUSE  
PLAN**

FILENAME	SHEET
SCALE 3/8" = 1'-0"	204 OF 361



1 SOUTH SHORE PARTIAL PLATFORM PLAN - 1  
1/8" = 1'-0"



2 SOUTH SHORE PARTIAL PLATFORM PLAN - 2  
1/8" = 1'-0"

PLOT DATE: 19-Jul-17 3:02:41 PM



ISSUE	DATE	DESCRIPTION

NORTHERN INDIANA COMMUTER  
TRANSPORTATION DISTRICT  
33 East Highway 12  
Chesterton, Indiana 46304

DYER TO HAMMOND, INDIANA

DESIGNED:	VMR
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DATE:	07/21/17

NOT FOR CONSTRUCTION

SERIES  
ST-4105

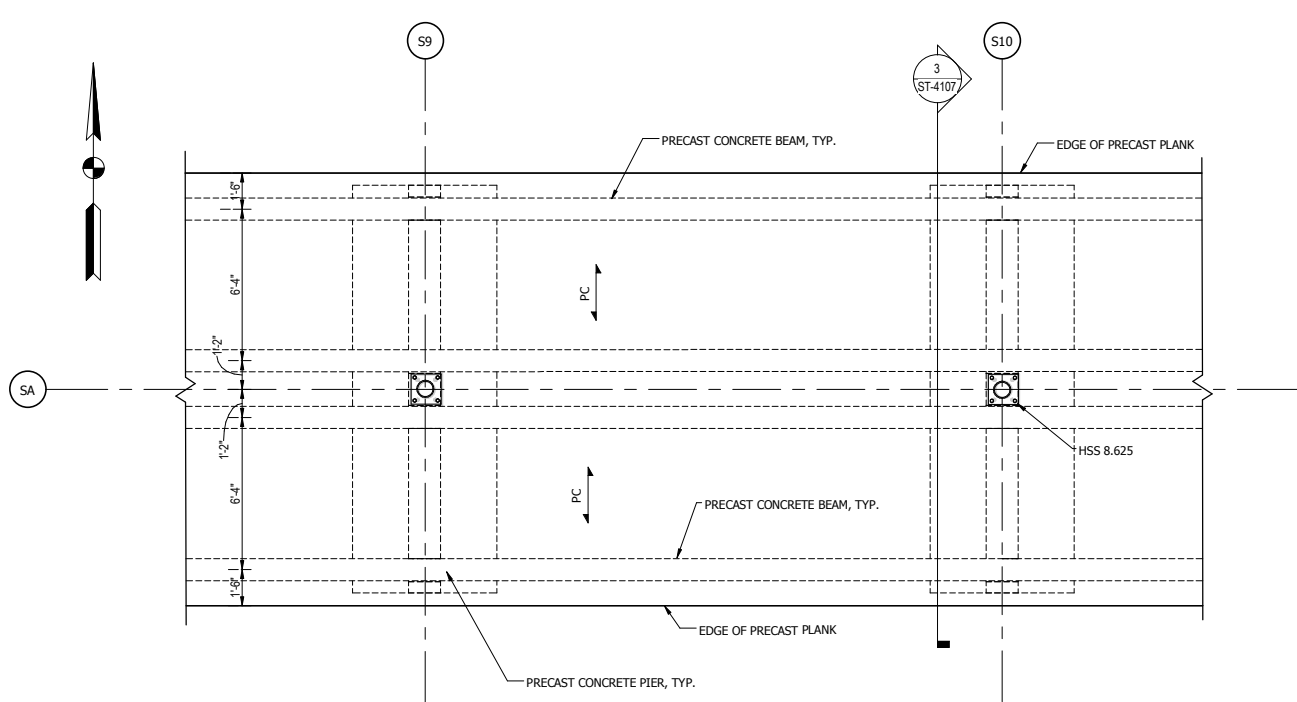
NICTD - WEST LAKE CORRIDOR - MP 68.9  
PROJECT NAME

SOUTH SHORE PLATFORM PLAN -  
1

FILENAME		SHEET
SCALE	1/8" = 1'-0"	205 OF 361

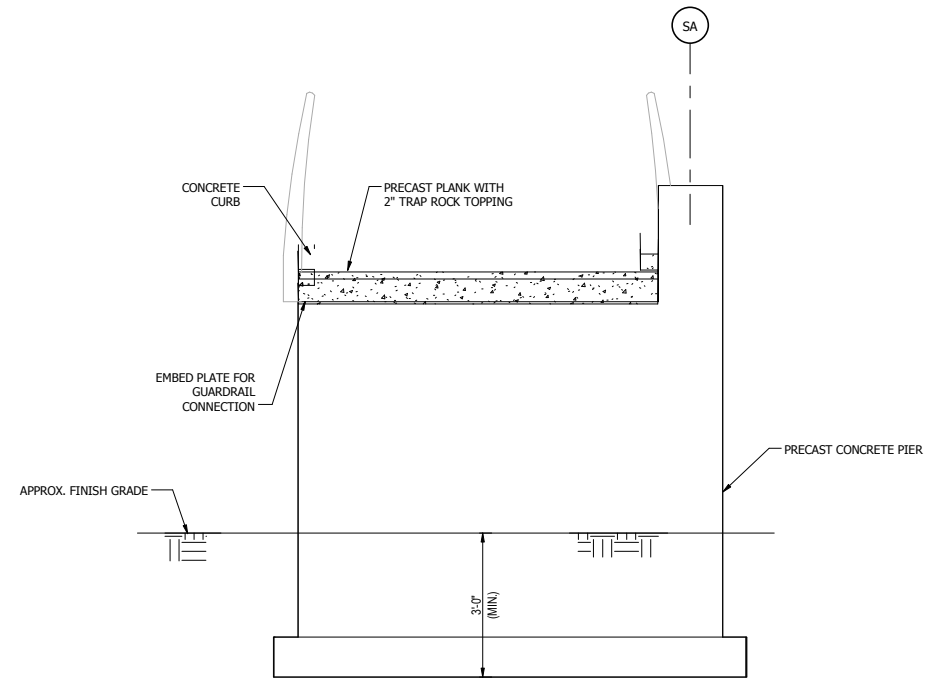






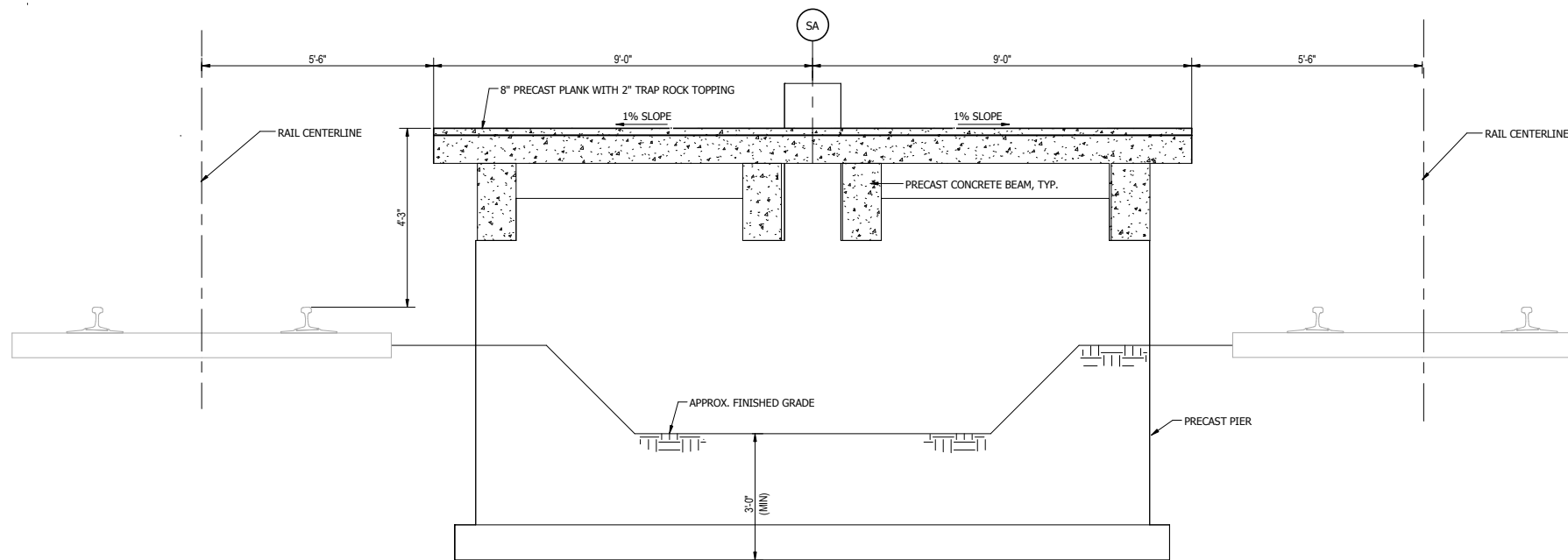
NOTE:  
1. FOUNDATION SPACING SHOWN ON PLATFORM PLAN

1 TYPICAL PLATFORM FRAMING  
1/4" = 1'-0"



NOTES:  
1. PROVIDE ELECTRICAL HEATING MAT INTEGRAL IN PRECAST PANELS.  
2. STEEL COLUMN AND CANOPY NOT SHOWN FOR CLARITY.

2 TYPICAL RAMP SECTION  
1/2" = 1'-0"



NOTES:  
1. PROVIDE ELECTRICAL HEATING MAT INTEGRAL IN PRECAST PLANKS.  
2. STEEL COLUMN AND CANOPY NOT SHOWN FOR CLARITY.

3 TYPICAL PLATFORM SECTION  
1/2" = 1'-0"

NOT FOR CONSTRUCTION  
SERIES ST-4107



ISSUE	DATE	DESCRIPTION

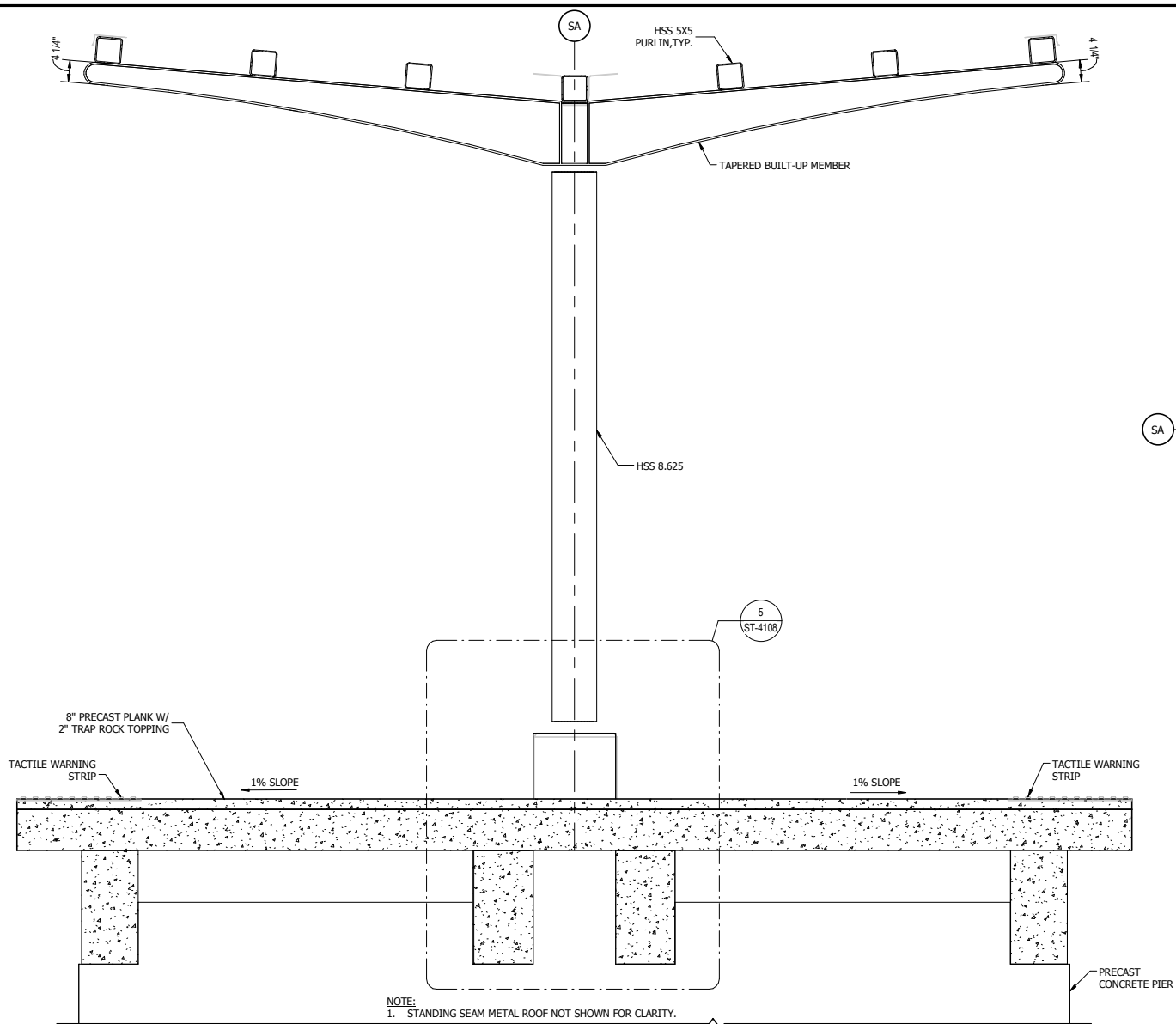


DYER TO HAMMOND, INDIANA

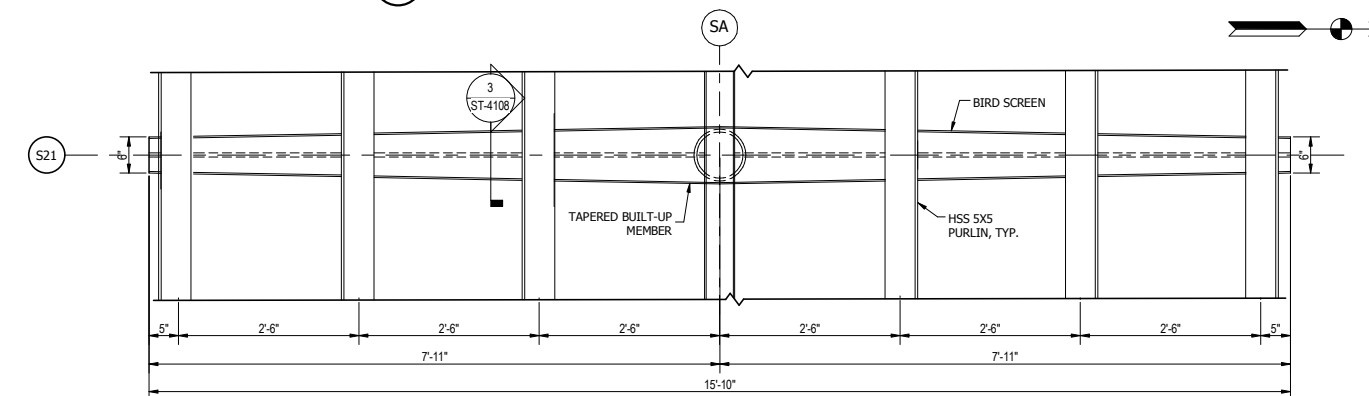
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DRAWN:	VMR
CHECKED:	CVAN
DATE:	07/21/17

NICTD - WEST LAKE CORRIDOR - MP 68.9  
PROJECT NAME  
SOUTH SHORE PLATFORM  
FRAMING PLAN

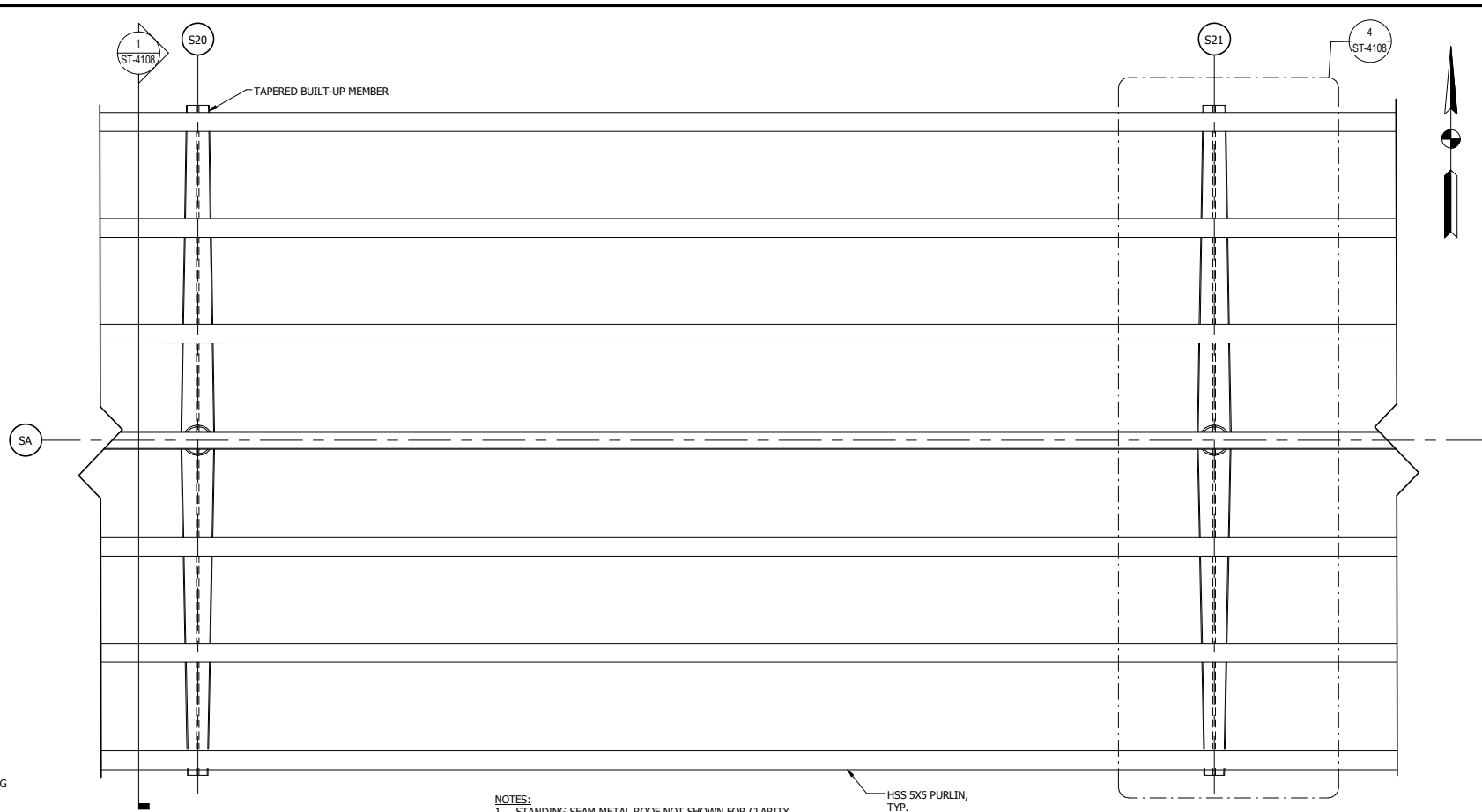
FILENAME	SHEET
SCALE	As indicated
	207 OF 361



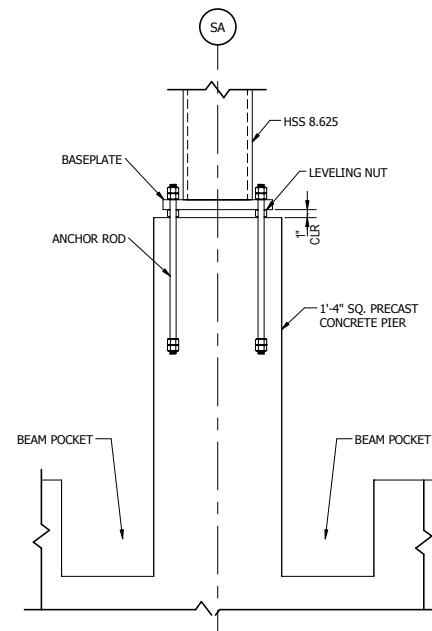
1 TYPICAL CANOPY ELEVATION  
3/4" = 1'-0"



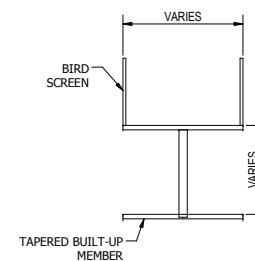
4 SOUTH SHORE CANOPY PURLIN-BEAM DETAIL  
3/4" = 1'-0"



2 TYPICAL CANOPY FRAMING PLAN  
1/2" = 1'-0"



5 TYPICAL BASEPLATE CONFIGURATION  
1" = 1'-0"



3 TAPERED MEMBER SECTION  
1 1/2" = 1'-0"

NOT FOR CONSTRUCTION SERIES ST-4108



ISSUE	DATE	DESCRIPTION



DYER TO HAMMOND, INDIANA

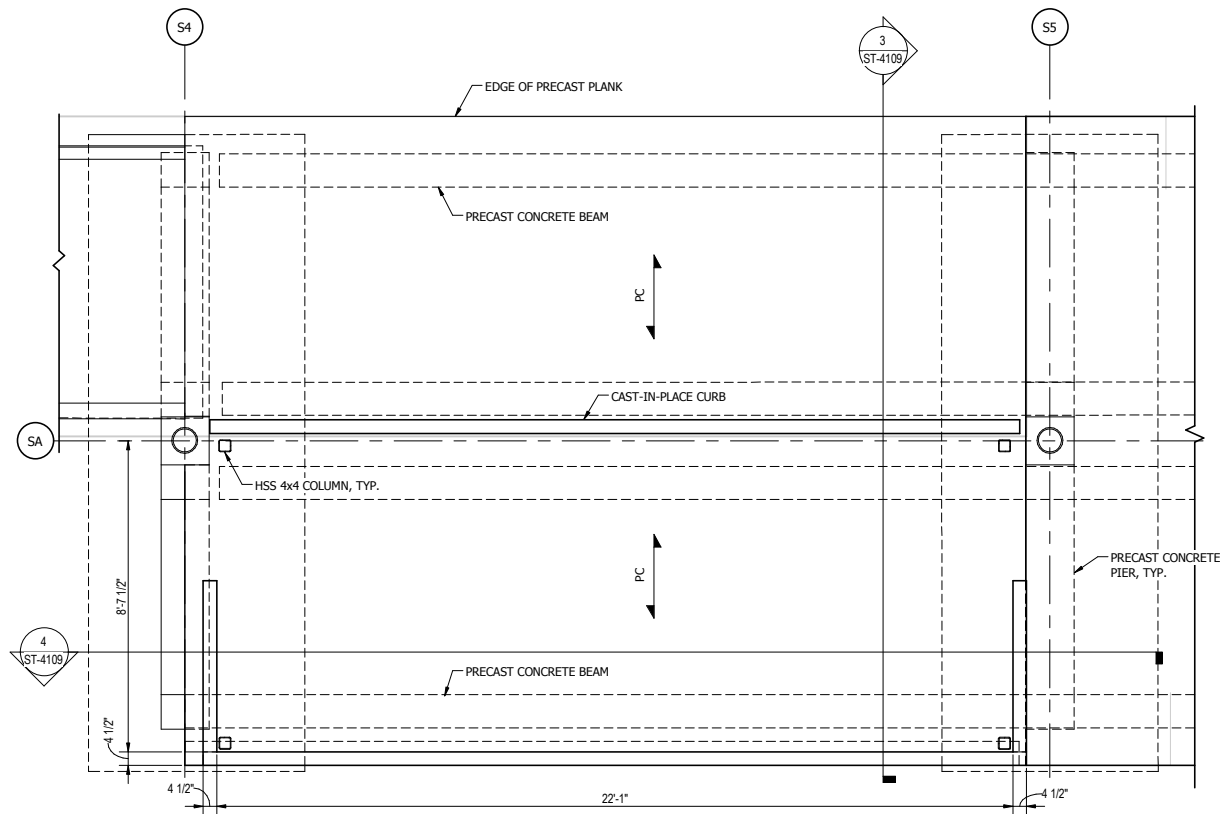
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DRAWN:	VMR
CHECKED:	CVAN
DATE:	07/21/17

NICTD - WEST LAKE CORRIDOR - MP 68.9  
PROJECT NAME  
SOUTH SHORE CANOPY ROOF PLAN

FILENAME	SHEET
SCALE	As indicated
208	OF 361

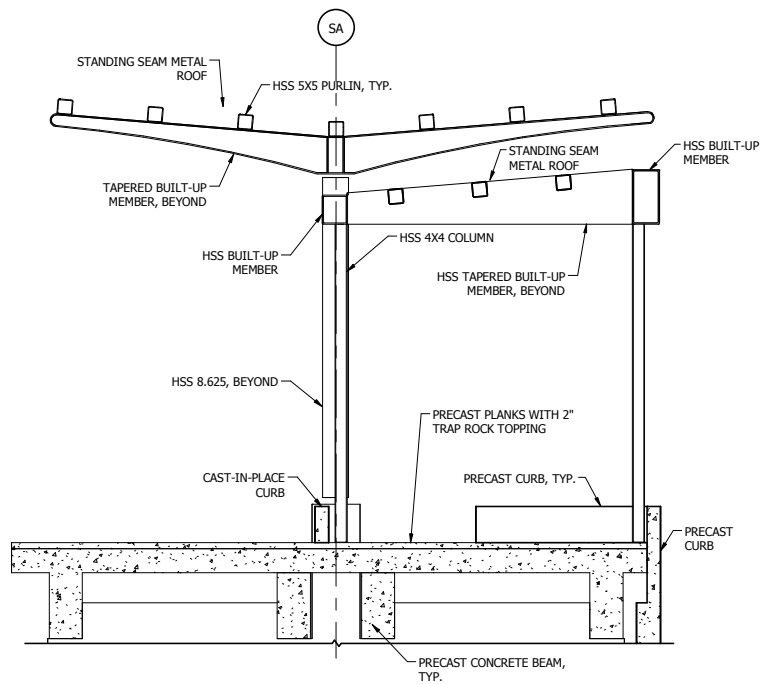
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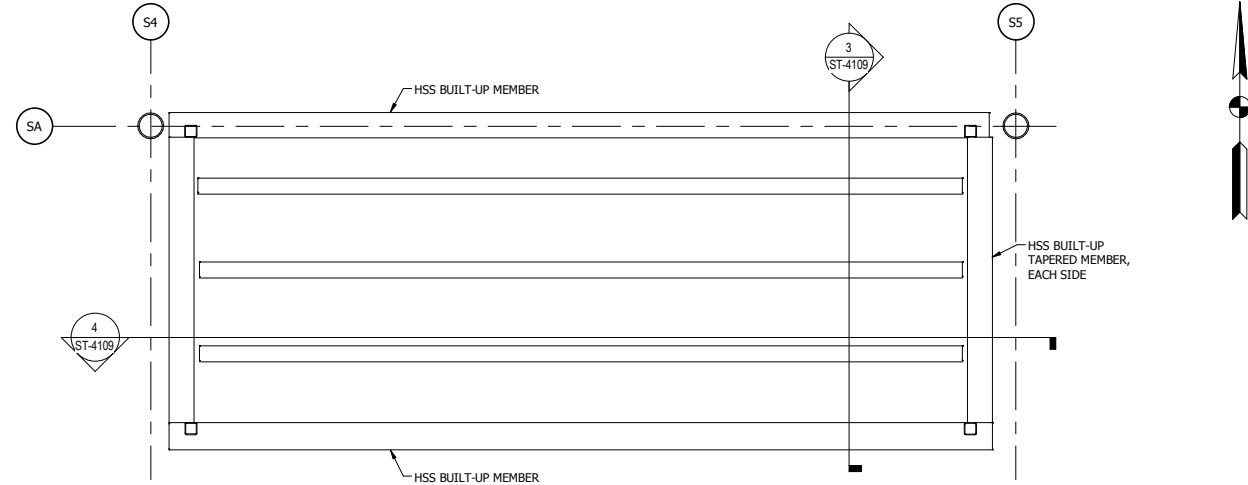


NOTE:  
1. SEE PLATFORM FRAMING PLAN FOR TYPICAL GRID SPACING.

**1** TYPICAL WARMING HOUSE FRAMING PLAN  
3/8" = 1'-0"

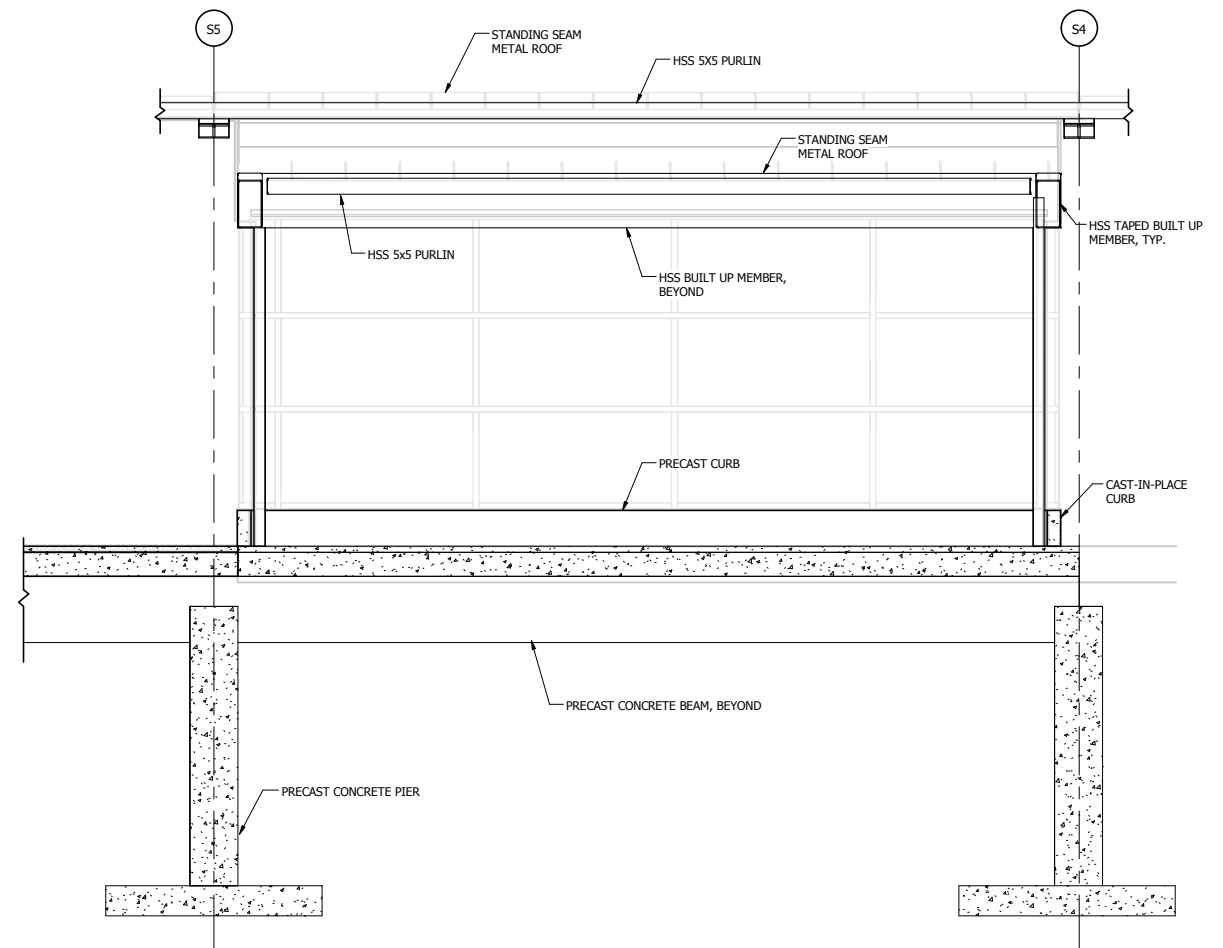


**3** TYPICAL WARMING HOUSE SECTION  
3/8" = 1'-0"



NOTES:  
1. STANDING SEAM METAL ROOF NOT SHOWN FOR CLARITY.  
2. SEE PLATFORM FRAMING PLAN FOR TYPICAL GRID SPACING.

**2** TYPICAL WARMING HOUSE FRAMING PLAN  
3/8" = 1'-0"



**4** TYPICAL WARMING HOUSE SECTION  
3/8" = 1'-0"

**NOT FOR CONSTRUCTION** SERIES  
**ST-4109**



**DYER TO HAMMOND, INDIANA**

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DRAWN:	VMR
CHECKED:	CVAN
DATE:	07/21/17

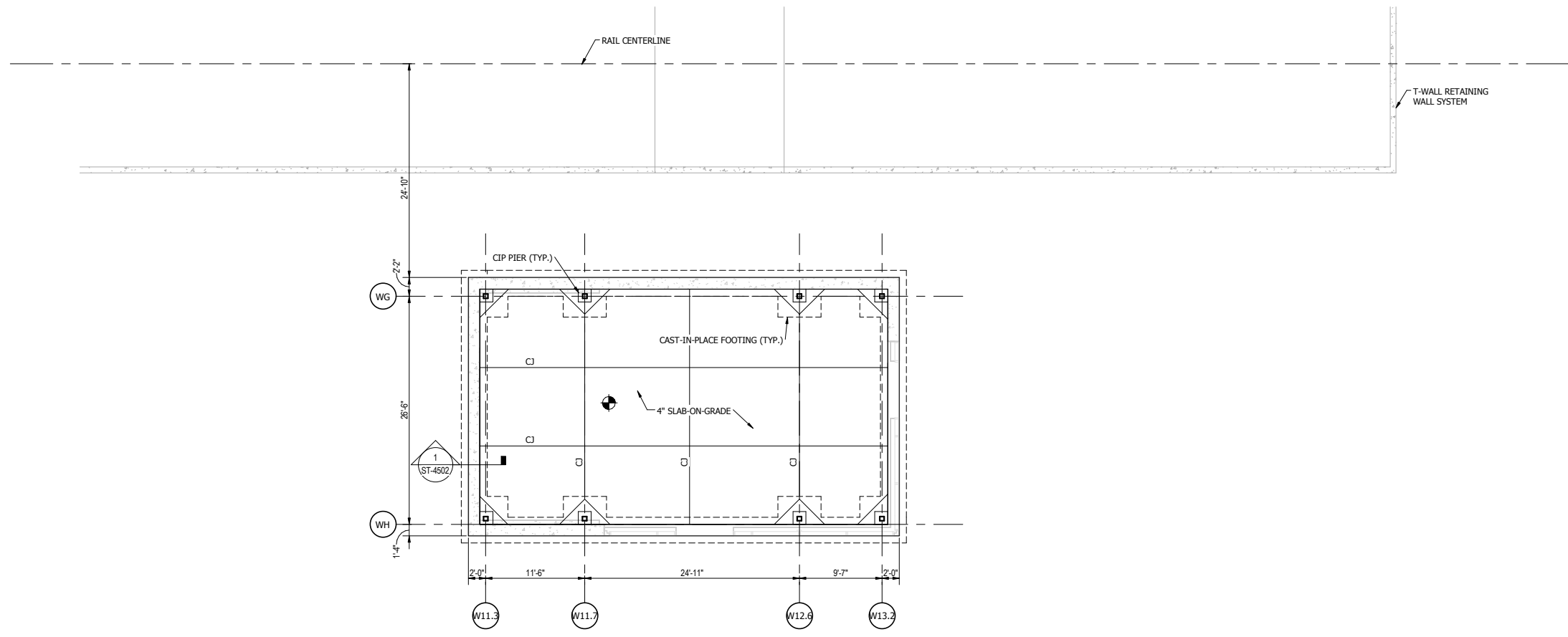
NICTD - WEST LAKE CORRIDOR - MP 68.9  
PROJECT NAME  
**SOUTH SHORE WARMING HOUSE PLAN**

FILENAME		SHEET	209 OF 361
SCALE	3/8" = 1'-0"		

PLOT DATE: 19-Jul-17 3:02:45 PM

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1 STATION HOUSE FOUNDATION PLAN  
1/8" = 1'-0"

PLOT DATE: 19-Jul-17 3:39:44 PM



ISSUE	DATE	DESCRIPTION



DYER TO HAMMOND, INDIANA

DESIGNED: VMR
DRAWN: VMR
CHECKED: CVAN
DATE: 07/21/17

NOT FOR CONSTRUCTION		SERIES ST-4110
NICTD - WEST LAKE CORRIDOR - MP 69.0 PROJECT NAME		
GATEWAY STATION HOUSE FOUNDATION PLAN		
FILENAME		SHEET
SCALE	1/8" = 1'-0"	210 OF 361

PLOT DATE: 19-Jul-17 3:39:45 PM



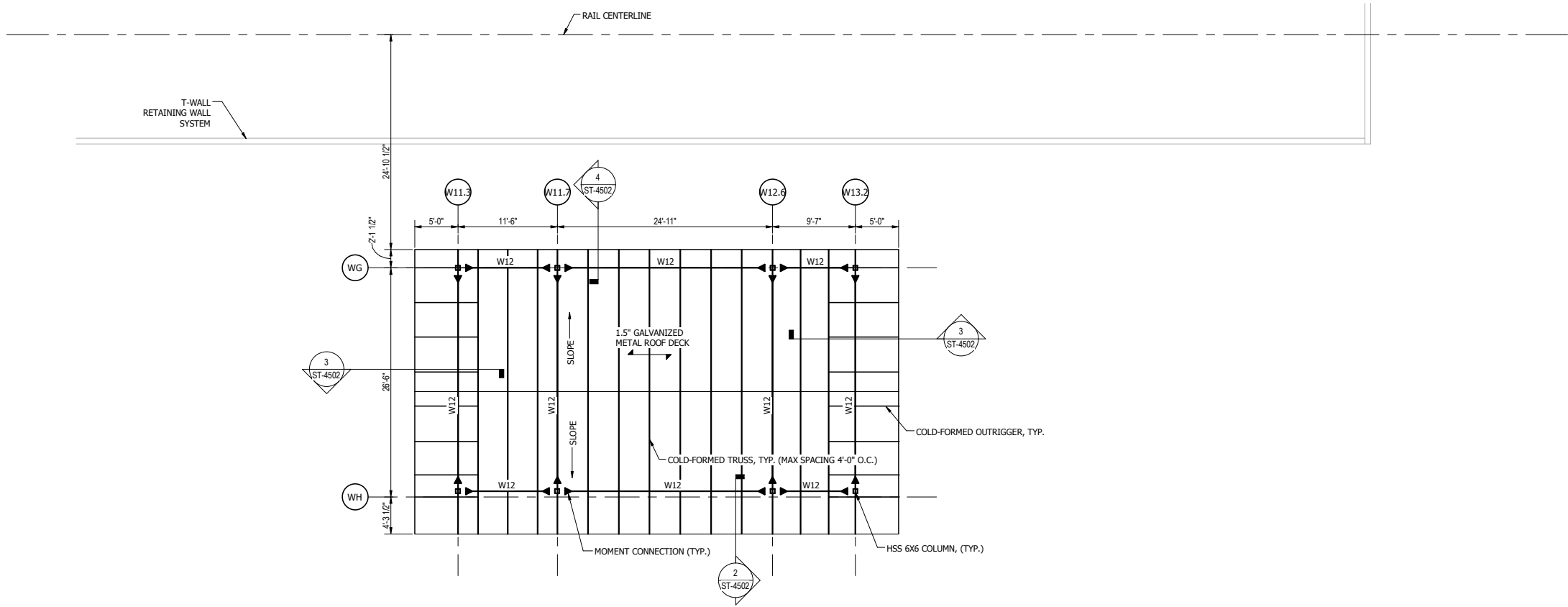
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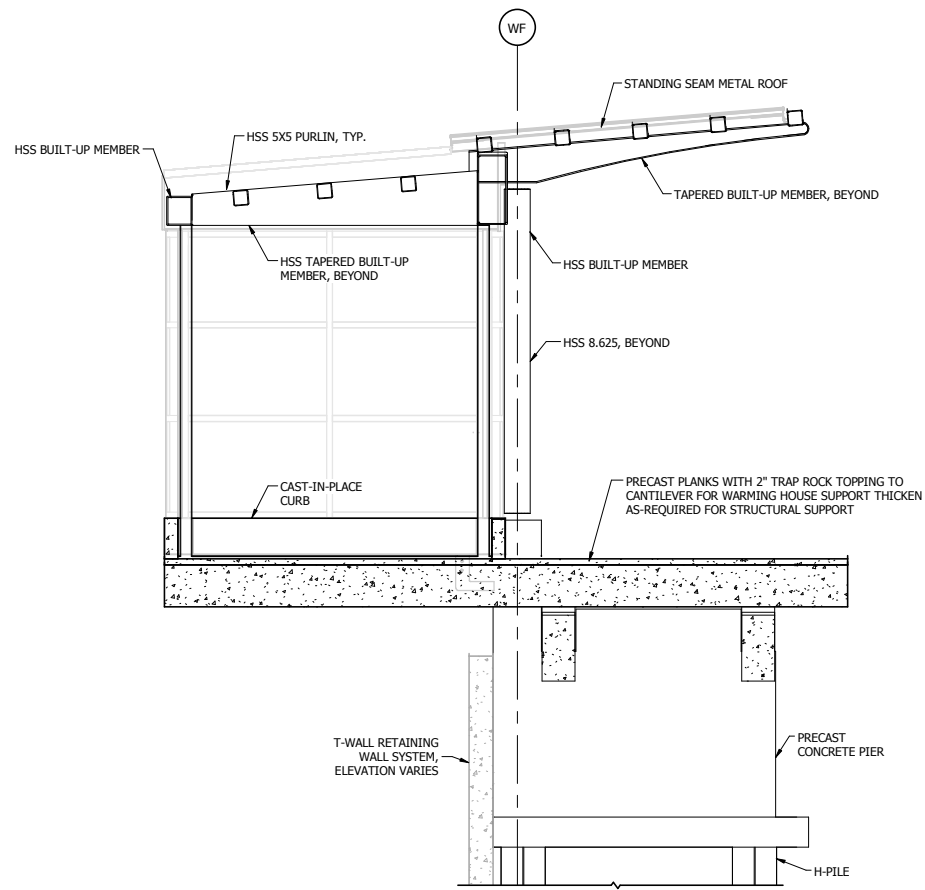
DYER TO HAMMOND, INDIANA

DESIGNED: VMR
DRAWN: VMR
CHECKED: CVAN
DATE: 07/21/17

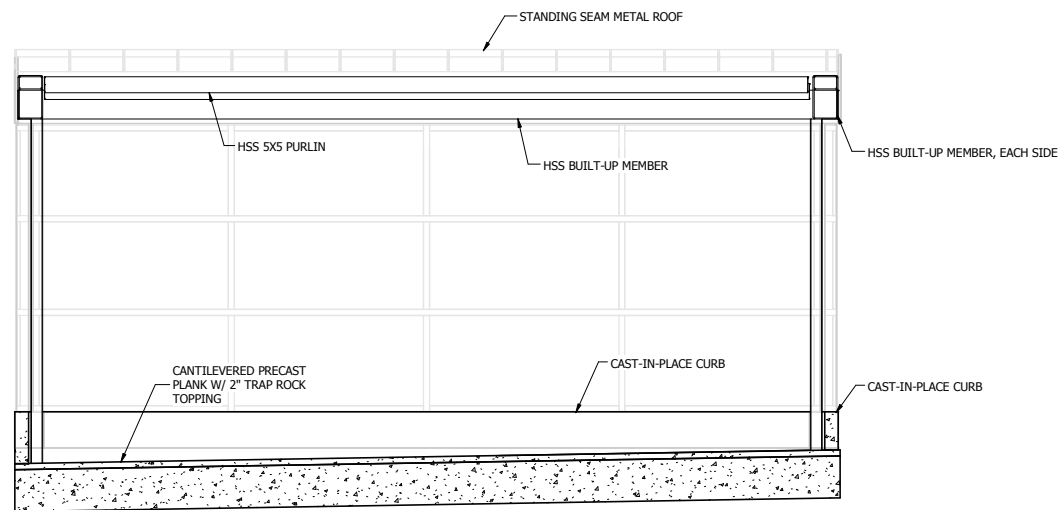
NOT FOR CONSTRUCTION		SERIES ST-4111
NICTD - WEST LAKE CORRIDOR - MP 69.0 PROJECT NAME		
GATEWAY STATION HOUSE ROOF PLAN		
FILENAME		SHEET
SCALE	1/8" = 1'-0"	211 OF 361



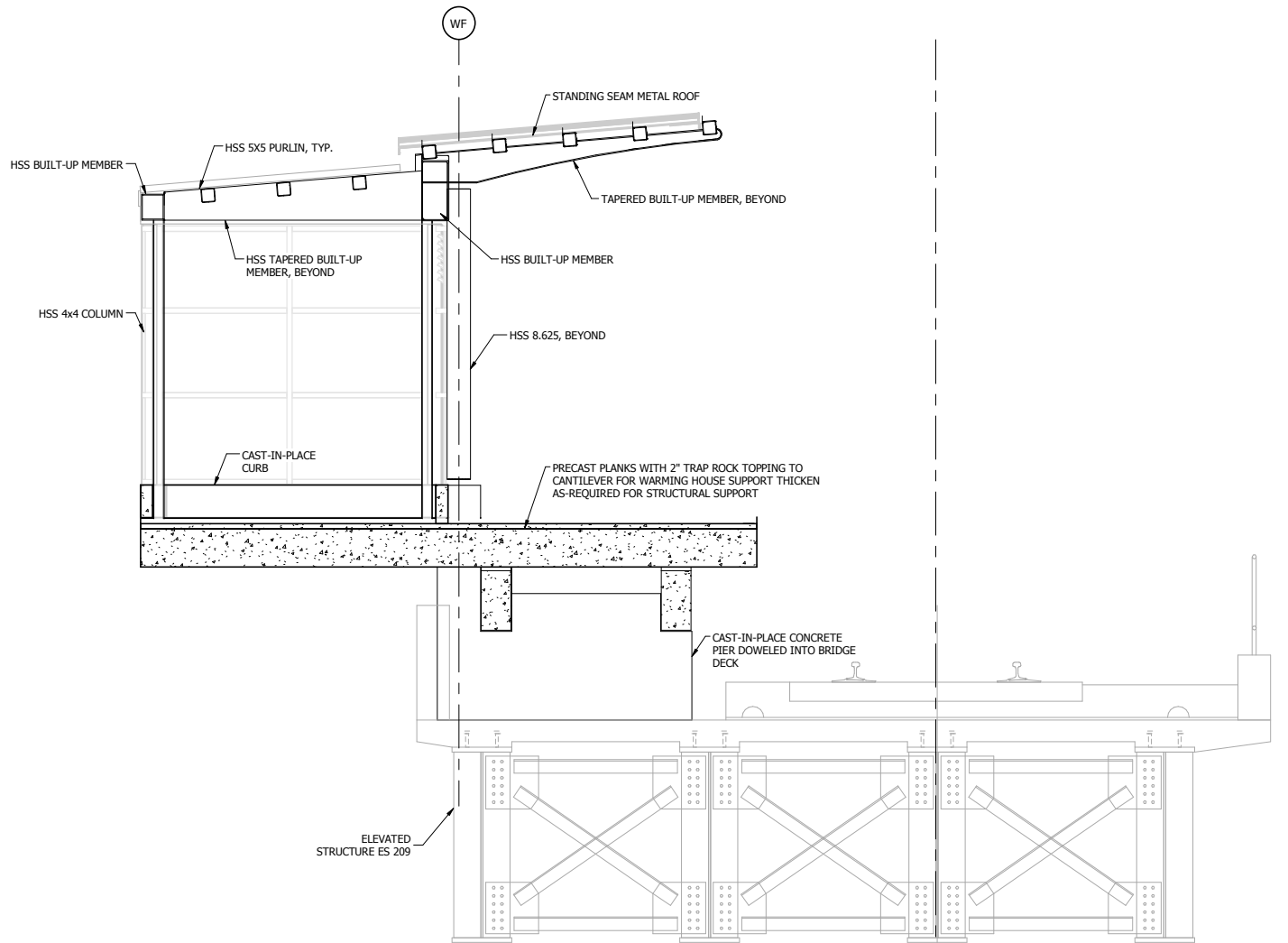
1 STATION HOUSE ROOF PLAN  
1/8" = 1'-0"



1 SECTION THROUGH WARMING HOUSE AT T-WALL  
3/8" = 1'-0"



3 TYPICAL SECTION THROUGH WARMING HOUSE  
3/8" = 1'-0"



2 SECTION THROUGH WARMING HOUSE AT ELEVATED  
STRUCTURE ES209  
3/8" = 1'-0"

PLOT DATE: 19-Jul-17 3:02:46 PM

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8550 W Bryn Mawr Ave., Suite 900  
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ISSUE	DATE	DESCRIPTION

**NICTD**  
NORTHERN INDIANA COMMUTER  
TRANSPORTATION DISTRICT  
33 East Highway 12  
Chesterton, Indiana 46304

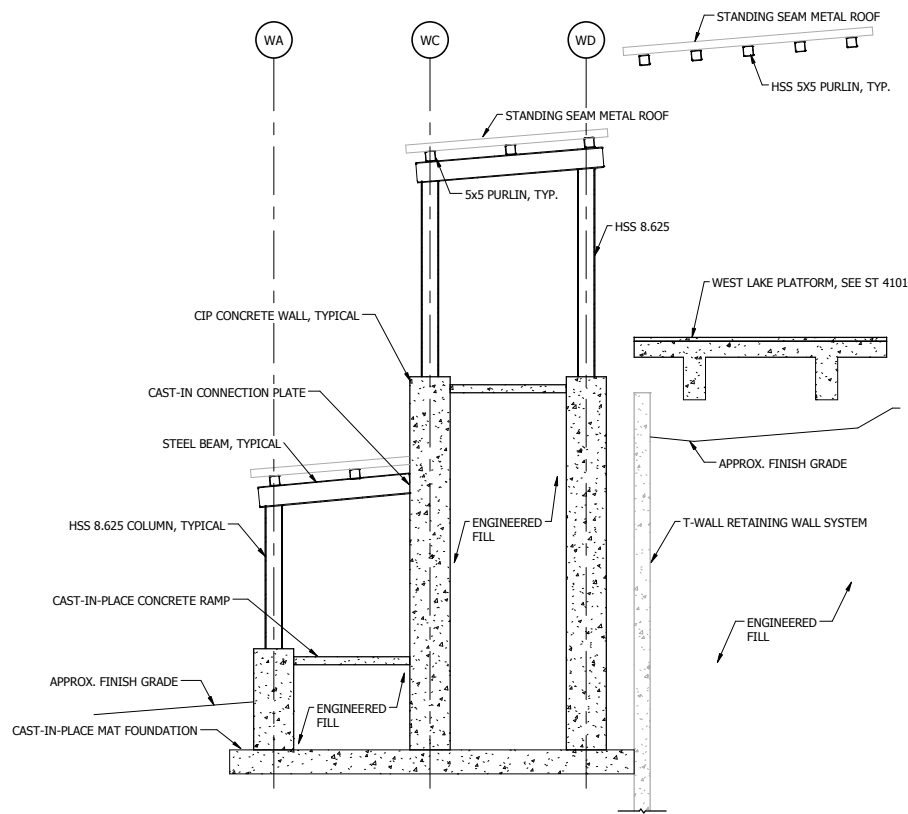


DYER TO HAMMOND, INDIANA

DESIGNED:	VMR
DRAWN:	VMR
CHECKED:	CVAN
DATE:	07/21/17

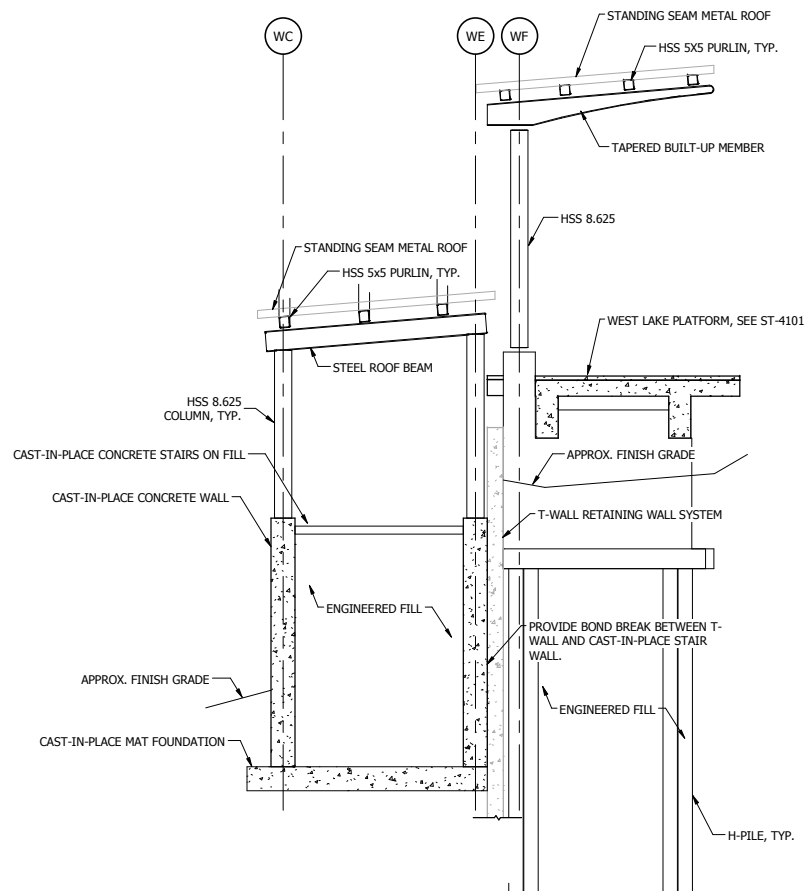
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NICTD - WEST LAKE CORRIDOR - MP 69.0 PROJECT NAME		
<b>WEST LAKE WARMING HOUSE SECTIONS</b>		
FILENAME		SHEET
SCALE	3/8" = 1'-0"	<b>212 OF 361</b>

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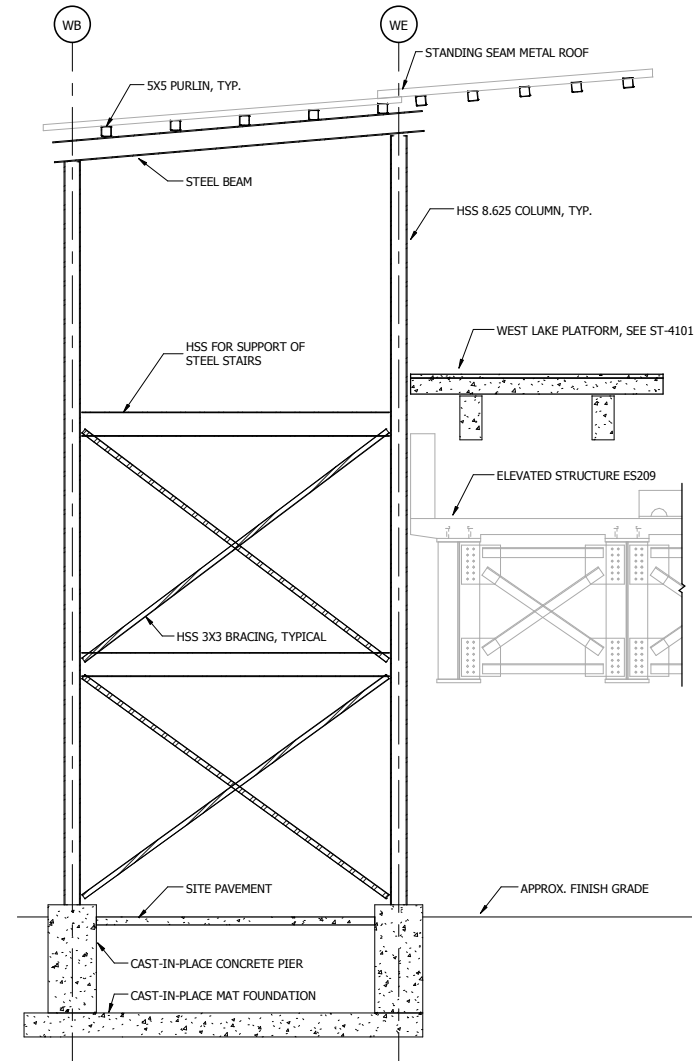
NOTE:  
1. GUARDRAIL AND HANDRAIL NOT SHOWN FOR CLARITY, REFER TO ARCHITECTURAL DRAWINGS.

1 WEST LAKE WEST RAMP SECTION  
1/4" = 1'-0"



NOTE:  
1. GUARDRAIL AND HANDRAIL NOT SHOWN FOR CLARITY, REFER TO ARCHITECTURAL DRAWINGS.

2 WEST LAKE WEST STAIR SECTION  
1/4" = 1'-0"



NOTE:  
1. STAIR AND GUARDRAIL NOT SHOWN FOR CLARITY, REFER TO ARCHITECTURAL DRAWINGS.

3 WEST LAKE EAST STAIR SECTION  
1/4" = 1'-0"

NOT FOR CONSTRUCTION

SERIES  
ST-4501

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ISSUE	DATE	DESCRIPTION

**NICTD**  
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TRANSPORTATION DISTRICT  
33 East Highway 12  
Chesterton, Indiana 46304



DYER TO HAMMOND, INDIANA

DESIGNED:	VMR
DRAWN:	VMR
CHECKED:	CVAN
DATE:	07/21/17

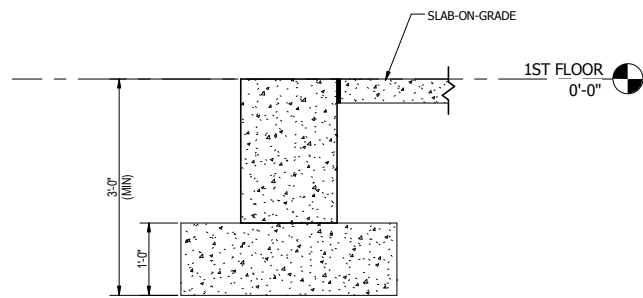
NICTD - WEST LAKE CORRIDOR - MP 69.0  
PROJECT NAME  
**WEST LAKE PLATFORM RAMP  
DETAILS**

FILENAME		SHEET
SCALE	1/4" = 1'-0"	213 OF 361

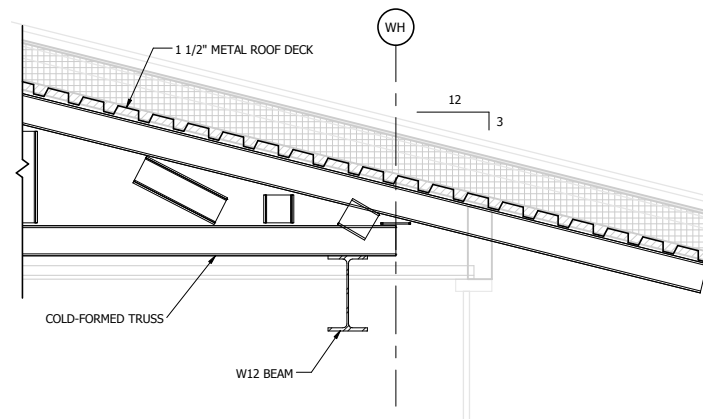
PLOT DATE: 19-Jul-17 3:02:47 PM

C:\Users\yrednour\Documents\WL\_ST\_GATEWAY\STN\_02\_yrednour.rvt

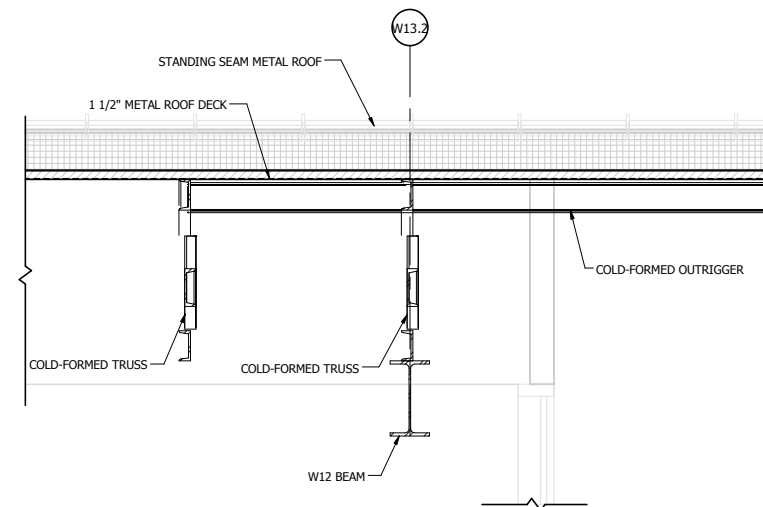




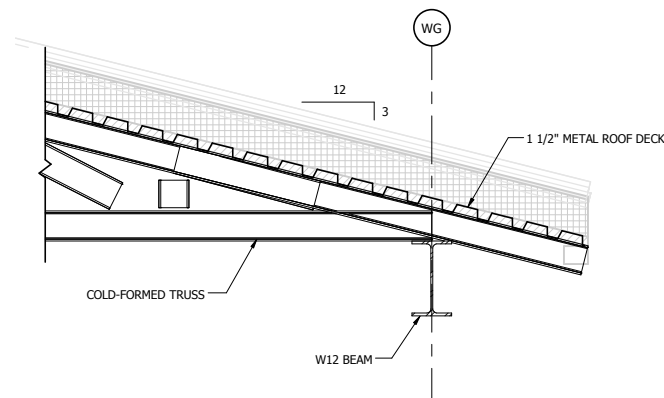
1 TYPICAL FOUNDATION SECTION  
3/4" = 1'-0"



2 TYPICAL TRUSS BEARING AT SOUTH  
3/4" = 1'-0"



3 TYPICAL DECK BEARING ROOF DETAIL  
3/4" = 1'-0"



4 TYPICAL TRUSS BEARING AT NORTH  
3/4" = 1'-0"

NOT FOR CONSTRUCTION

SERIES  
ST-4502

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DYER TO HAMMOND, INDIANA

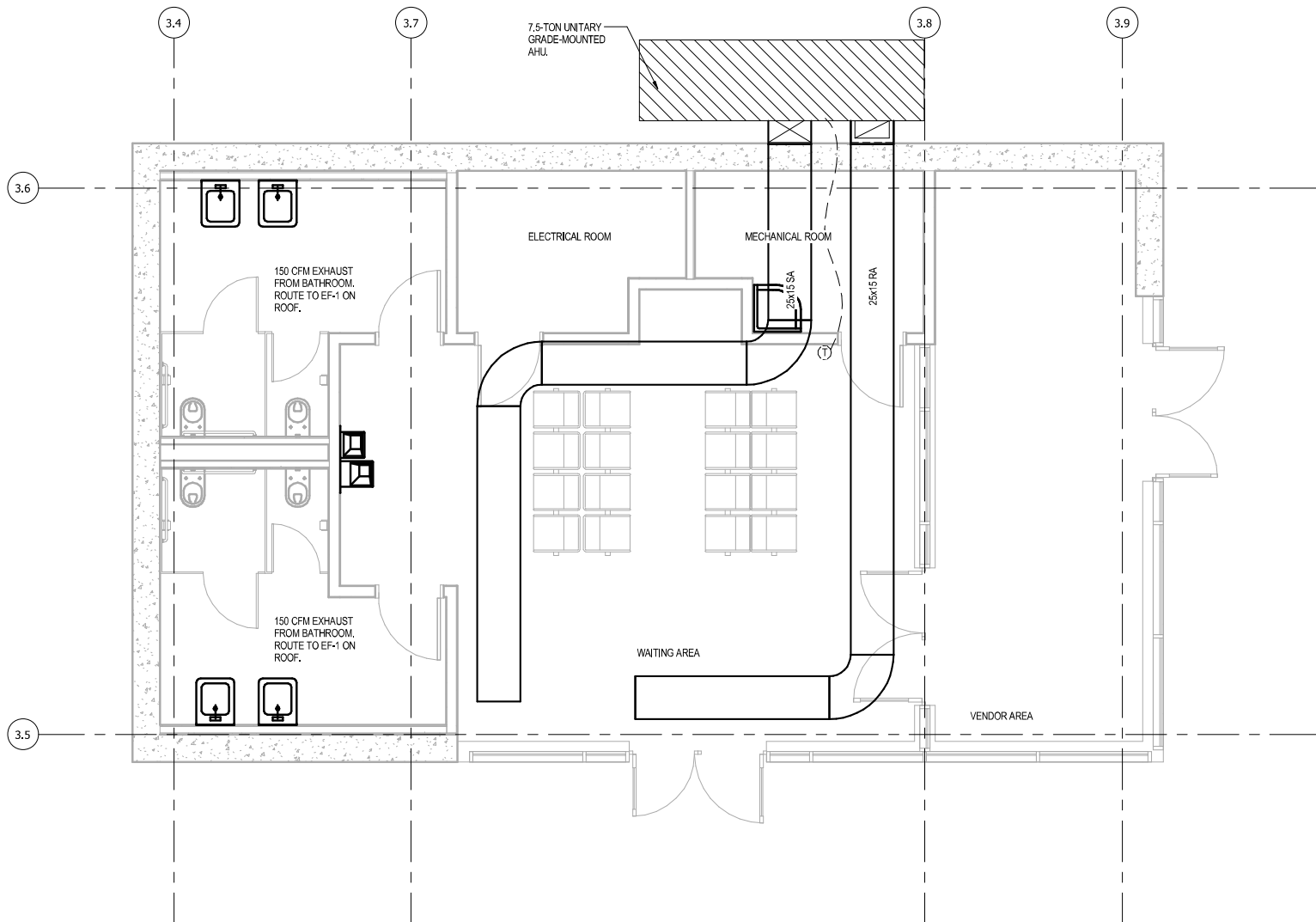
DESIGNED: VMR  
DRAWN: VMR  
CHECKED: CVAN  
DATE: 07/21/17

NICTD - WEST LAKE CORRIDOR - MP 69.0  
PROJECT NAME  
**GATEWAY STATION HOUSE  
DETAILS**

FILENAME  
SCALE 3/4" = 1'-0"

SHEET  
**214 OF 361**

PLOT DATE: 7/17/2017 8:09:09 AM



1 GROUND FLOOR HVAC PLAN  
1/4" = 1'-0"

NOT FOR CONSTRUCTION

SERIES  
M-4101



DYER TO HAMMOND, INDIANA

DESIGNED:	ZEA
DRAWN:	ZEA
CHECKED:	ESA
DATE:	07/21/2017

NICTD - WEST LAKE CORRIDOR - MP WL 69.0  
Project Name  
GATEWAY HVAC-OVERALL  
GROUND FLOOR PLAN

FILENAME		SHEET	215 OF 361
SCALE	1/4" = 1'-0"		

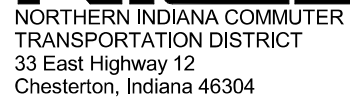


---

1/4" = 1'-0'



ISSUE	DATE	DESCRIPTION
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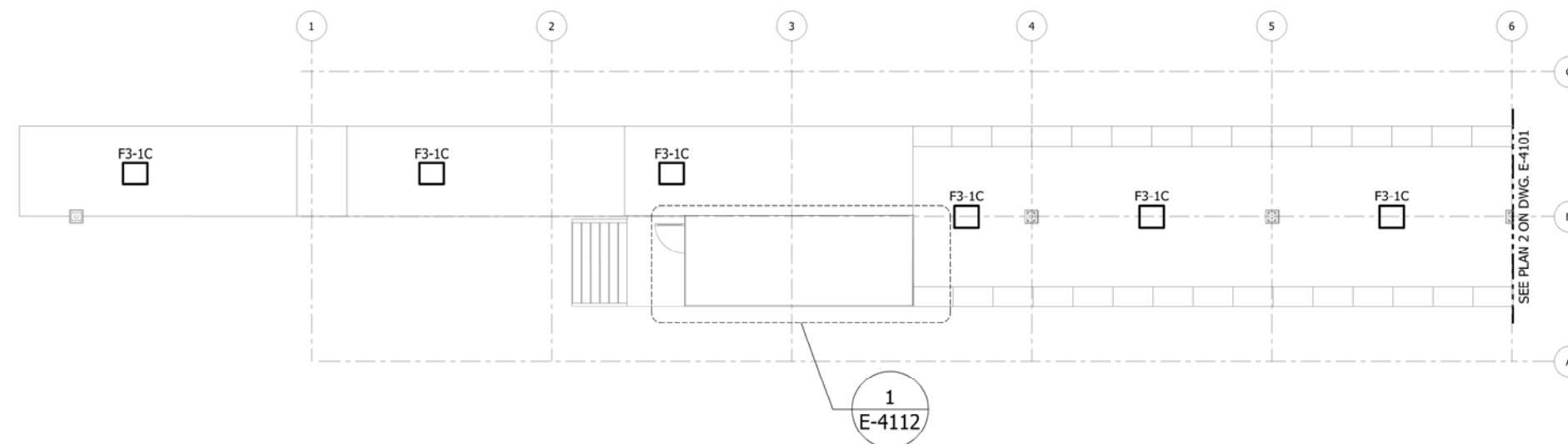
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**SERIES**  
**MP-4101**

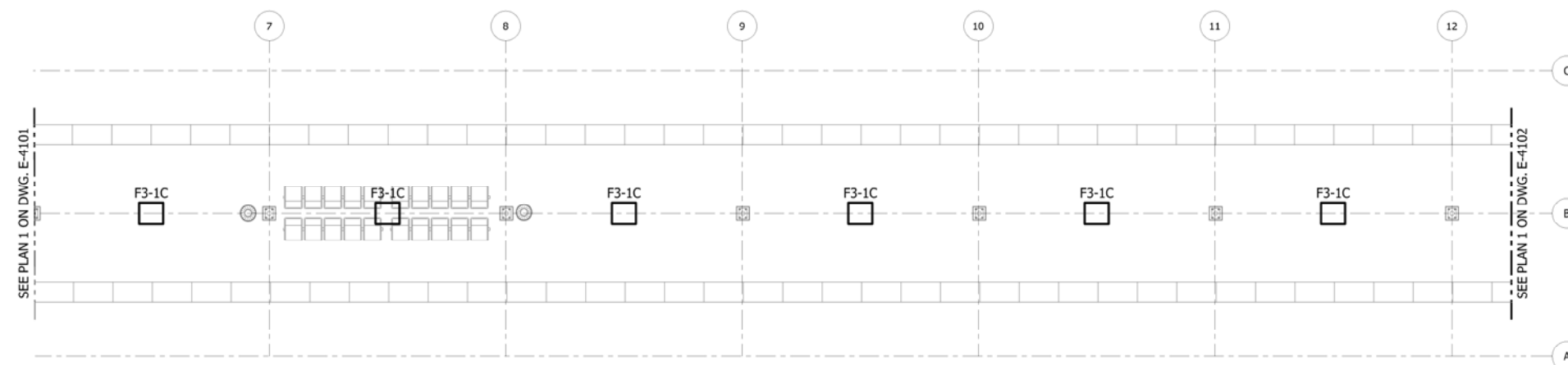
## HAMMOND GATEWAY PLUMBING-OVERALL GROUND FLOOR PLAN

SCALE	1/4" = 1'-0"	216 OF 361
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1. SEE SHEETS E-0001 AND E-0002 FOR ELECTRICAL SYMBOL LIST, ABBREVIATIONS, AND GENERAL NOTES.
2. SEE SHEET E-4602 FOR CABLE AND CONDUIT SCHEDULE.
3. SEE SHEET E-0601 FOR LIGHTING FIXTURE SCHEDULE.



1 PARTIAL PLATFORM LIGHTING PLAN  
E-4101 SCALE: 1/8" = 1'-0"



2 PARTIAL PLATFORM LIGHTING PLAN  
E-4101 SCALE: 1/8" = 1'-0"

0' 4' 8' 16'



SERIES  
E-4101

NICTD - WEST LAKE CORRIDOR - MP 68.9  
HAMMOND GATEWAY STATION

PARTIAL PLATFORM LIGHTING PLANS -  
SOUTH SHORE PLATFORM

DESIGNED:	A. FAREKAS
DRAWN:	C. MARTIN
CHECKED:	M. BLUMENTHAL
DATE:	07/21/17

FILENAME	SHT_WL_E_GATEWAYSTN_PL_01	SHEET		
SCALE	1/8" = 1' - 0"	217	OF	361

PLOT DATE: 07/19/2017 9:45:38 PM



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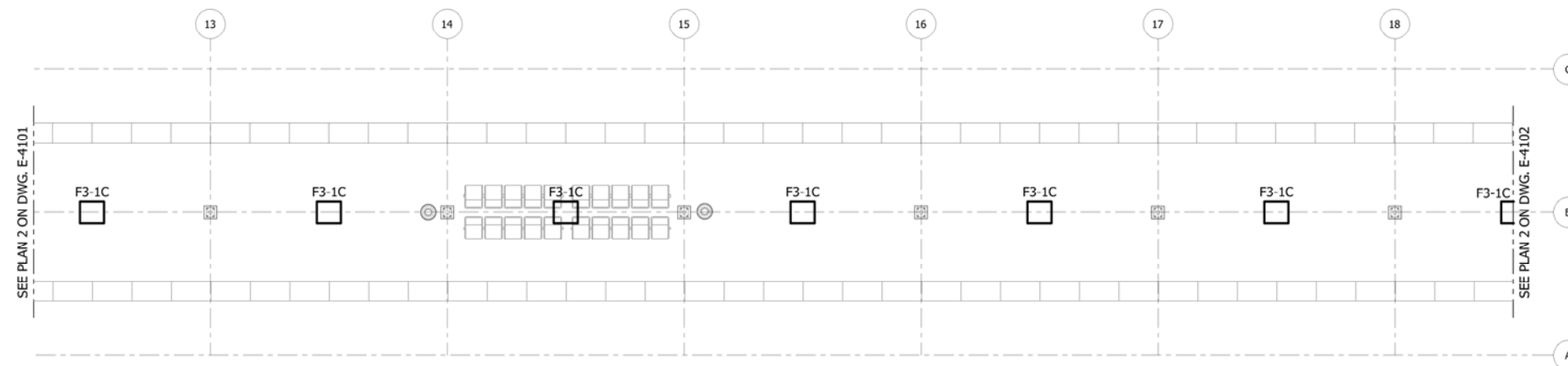
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**NICTD**  
NORTHERN INDIANA COMMUTER  
TRANSPORTATION DISTRICT  
33 East Highway 12  
Chesterton, Indiana 46304

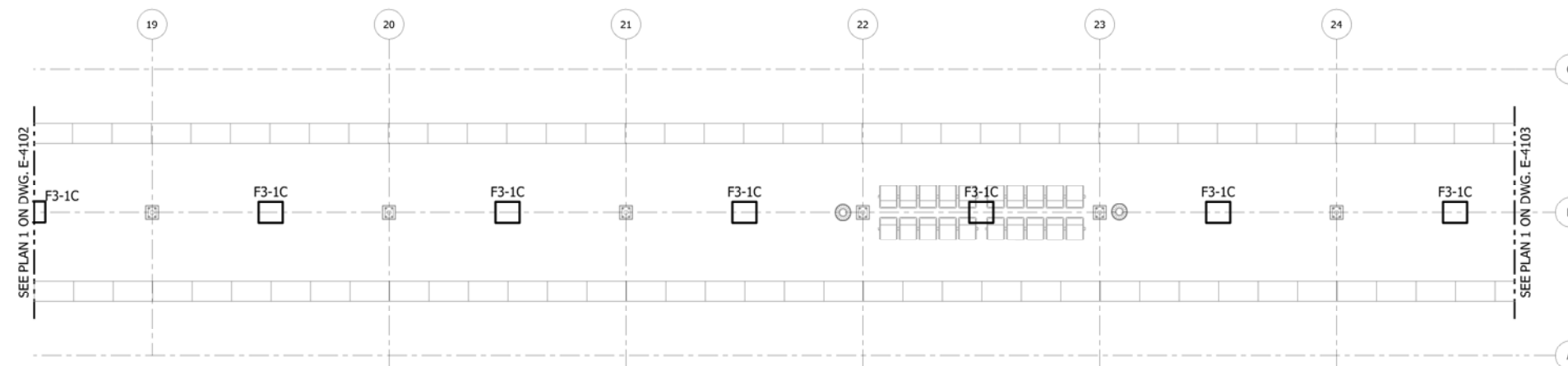


## DYER TO HAMMOND, INDIANA

1. SEE SHEETS E-0001 AND E-0002 FOR ELECTRICAL SYMBOL LIST, ABBREVIATIONS, AND GENERAL NOTES.
2. SEE SHEET E-4602 FOR CABLE AND CONDUIT SCHEDULE.
3. SEE SHEET E-0601 FOR LIGHTING FIXTURE SCHEDULE.



1 PARTIAL PLATFORM LIGHTING PLAN  
E-4102 SCALE: 1/8" = 1'-0"



2 PARTIAL PLATFORM LIGHTING PLAN  
E-4102 SCALE: 1/8" = 1'-0"

0' 4' 8' 16' 32'



SERIES  
E-4102

NICTD - WEST LAKE CORRIDOR - MP 68.9  
HAMMOND GATEWAY STATION

PARTIAL PLATFORM LIGHTING PLANS -  
SOUTH SHORE PLATFORM

FILENAME	SHT_WL_E_GATEWAYSTN_PL_02
SCALE	1/8" = 1' - 0"

SHEET  
218 OF 361



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[illegible]

**NICTD**  
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TRANSPORTATION DISTRICT  
33 East Highway 12  
Chesterton, Indiana 46304

The logo for the West Lake Corridor is a stylized, shield-like emblem. It features the words "WEST LAKE" in large, bold, white capital letters with a black outline, set against a dark background. Below "WEST LAKE", the word "CORRIDOR" is written in smaller, white capital letters on a red rectangular background. The entire logo is framed by a red border.

## DYER TO HAMMOND, INDIANA

DESIGNED:	A. FAREKAS
DRAWN:	C. MARTIN
CHECKED:	M. BLUMENTHAL
DATE:	07/21/17

DATE: 07/21/17



1. SEE SHEETS E-0001 AND E-0002 FOR ELECTRICAL SYMBOL LIST, ABBREVIATIONS, AND GENERAL NOTES.
2. SEE SHEET E-4602 FOR CABLE AND CONDUIT SCHEDULE.
3. SEE SHEET E-0601 FOR LIGHTING FIXTURE SCHEDULE.
4. SEE SHEET E-4102 FOR PANEL LOCATIONS.



0' 4' 8' 16' 32'



SERIES  
**E-4103**

PARTIAL PLATFORM LIGHTING PLANS -  
SOUTH SHORE PLATFORM

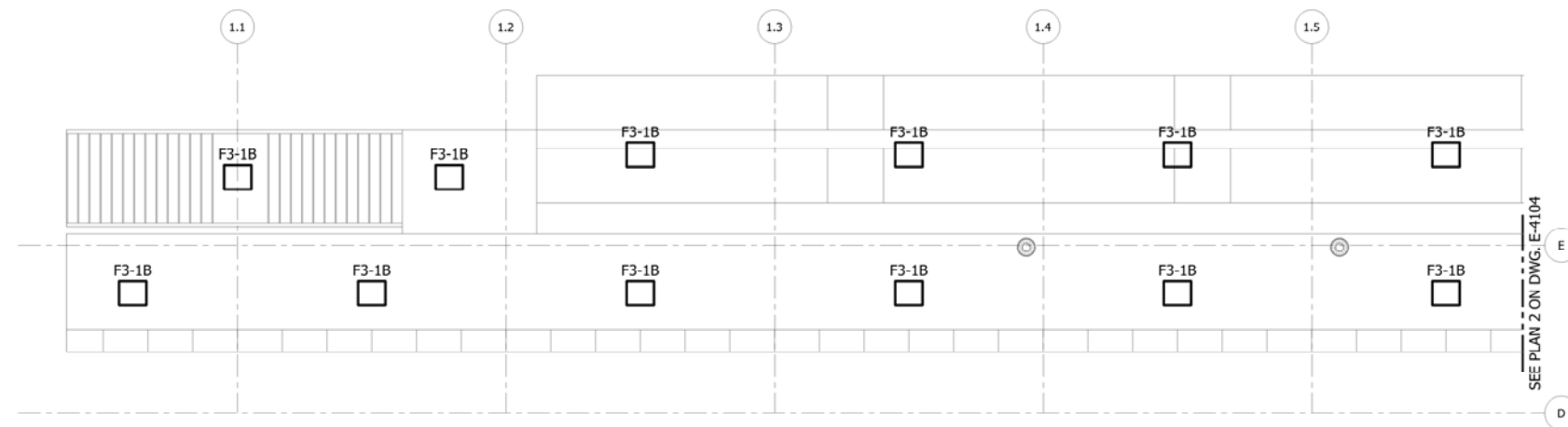
DESIGNED:	A. FAREKAS
DRAWN:	C. MARTIN
CHECKED:	M. BLUMENTHAL
DATE:	07/21/17

FILENAME	SHT_WL_E_GATEWAYSTN_PL_03	SHEET		
SCALE	1/8" = 1' - 0"	219	OF	361

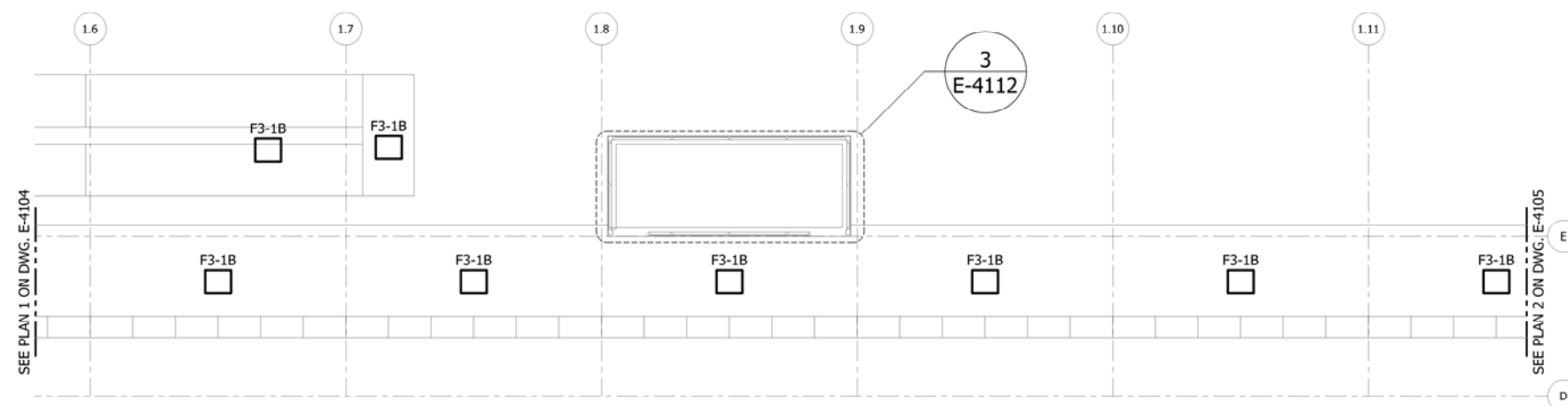
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## DYER TO HAMMOND, INDIANA

1. SEE SHEETS E-0001 AND E-0002 FOR ELECTRICAL SYMBOL LIST, ABBREVIATIONS, AND GENERAL NOTES.
2. SEE SHEET E-4602 FOR CABLE AND CONDUIT SCHEDULE.
3. SEE SHEET E-0601 FOR LIGHTING FIXTURE SCHEDULE.



1 PARTIAL PLATFORM LIGHTING PLAN  
E-4104 SCALE: 1/8" = 1'-0"



2 PARTIAL PLATFORM LIGHTING PLAN  
E-4104 SCALE: 1/8" = 1'-0"

Figure 1 shows a 2x4 grid of squares. The columns are labeled 0', 4', 8', and 16' at the bottom. The top row has alternating black and white squares. The bottom row has alternating white and black squares. A label '3' is at the bottom right.



SERIES  
E-4104

NICTD - WEST LAKE CORRIDOR - MP WL 69.0  
HAMMOND GATEWAY STATION

PARTIAL PLATFORM LIGHTING PLANS -  
WEST LAKE PLATFORM

FILENAME	SHT_WL_E_GATEWAYSTN_PL_04
SCALE	1/8" = 1' - 0"

SHEET  
220 OF 361



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[illegible]

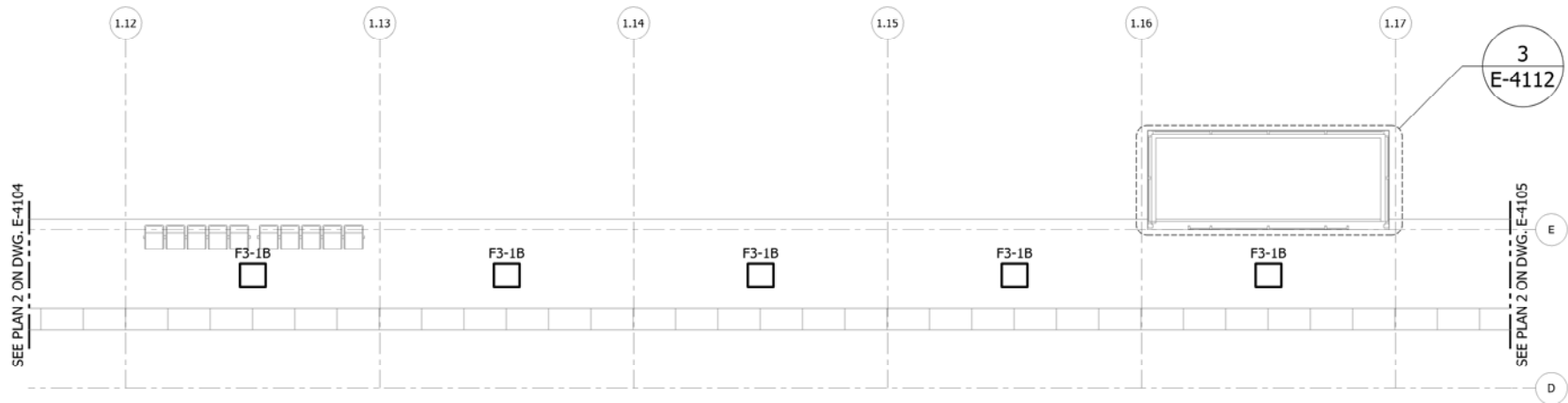
**NICTD**  
NORTHERN INDIANA COMMUTER  
TRANSPORTATION DISTRICT  
33 East Highway 12  
Chesterton, Indiana 46304

The logo for the West Lake Corridor is a stylized shield shape. The top half is black with the words "WEST LAKE" in large, white, serif capital letters. A small white triangle is positioned between the words. The bottom half is red with the word "CORRIDOR" in white, sans-serif capital letters.

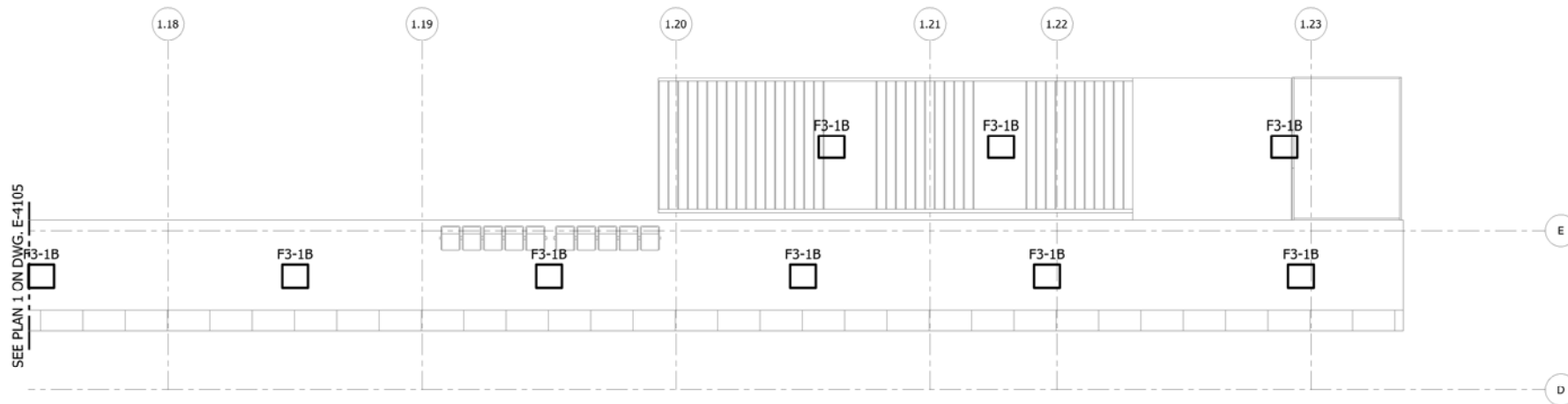
## DYER TO HAMMOND, INDIANA

DESIGNED:	A. FAREKAS
DRAWN:	C. MARTIN
CHECKED:	M. BLUMENTHAL
DATE:	07/21/17

- NOTES:
- SEE SHEETS E-0001 AND E-0002 FOR ELECTRICAL SYMBOL LIST, ABBREVIATIONS, AND GENERAL NOTES.
  - SEE SHEET E-4602 FOR CABLE AND CONDUIT SCHEDULE.
  - SEE SHEET E-0601 FOR LIGHTING FIXTURE SCHEDULE.

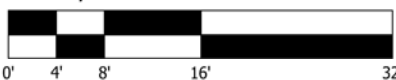


1 PARTIAL PLATFORM LIGHTING PLAN  
E-4105 SCALE: 1/8" = 1'-0"



2 PARTIAL PLATFORM LIGHTING PLAN  
E-4105 SCALE: 1/8" = 1'-0"

SCALE: 1/8" = 1'



NOT FOR CONSTRUCTION

SERIES  
E-4105

NICTD - WEST LAKE CORRIDOR - MP WL 69.0  
HAMMOND GATEWAY STATION

PARTIAL PLATFORM LIGHTING PLANS -  
WEST LAKE PLATFORM

FILENAME SHT\_WL\_E\_GATEWAYSTN\_PL\_05  
SCALE 1/8" = 1' - 0"

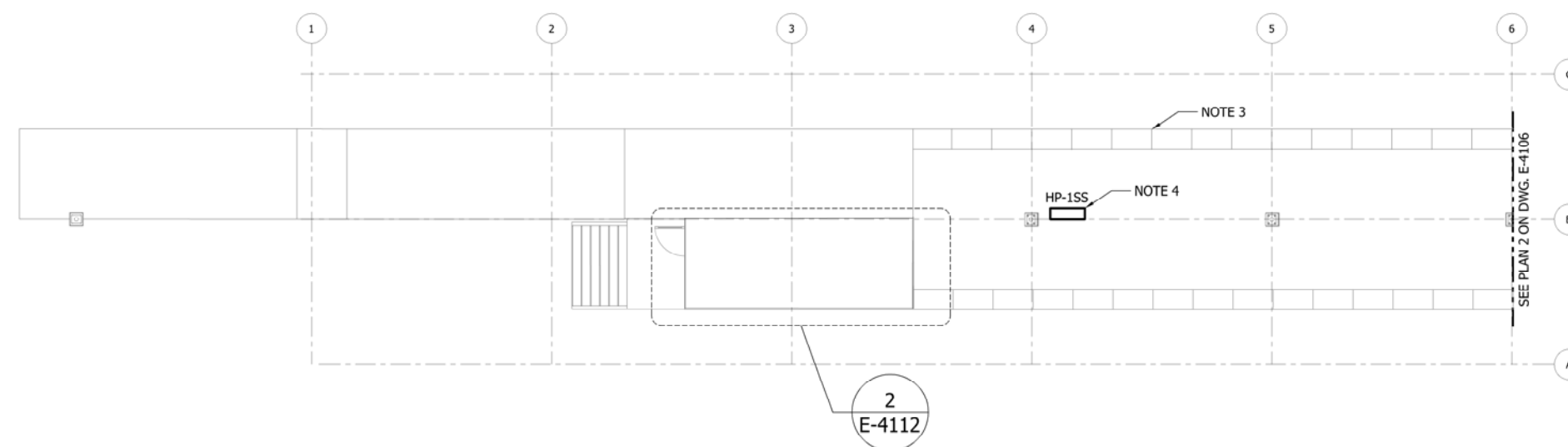
SHEET  
221 OF 361



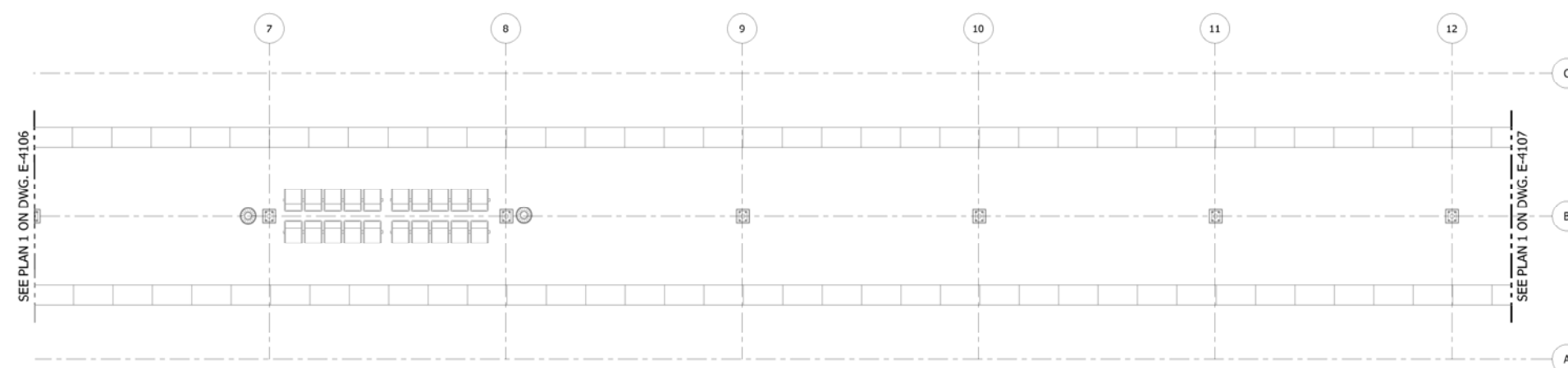
DYER TO HAMMOND, INDIANA

DESIGNED: A. FAREKAS  
DRAWN: C. MARTIN  
CHECKED: M. BLUMENTHAL  
DATE: 07/21/17

1. SEE SHEETS E-0001 AND E-0002 FOR ELECTRICAL SYMBOL LIST, ABBREVIATIONS, AND GENERAL NOTES.
2. SEE SHEET E-4602 FOR CABLE AND CONDUIT SCHEDULE.
3. PROVIDE HEAT TRACING TO PLATFORM AND RAMPS.
4. APPROXIMATE LOCATION OF HEAT TRACING PANELS.



1 PARTIAL PLATFORM POWER PLAN  
E-4106 SCALE: 1/8" = 1'-0"



2 PARTIAL PLATFORM POWER PLAN  
E-4106 SCALE: 1/8" = 1'-0"

0' 4' 8' 16' 32'



SERIES  
E-4106

NICTD - WEST LAKE CORRIDOR - MP 68.9  
HAMMOND GATEWAY STATION

## PARTIAL PLATFORM POWER PLANS - SOUTH SHORE PLATFORM

DESIGNED:	A. FAREKAS
DRAWN:	C. MARTIN
CHECKED:	M. BLUMENTHAL
DATE:	07/21/17

FILENAME	SHT_WL_E_GATEWAYSTN_PL_06	SHEET		
SCALE	1/8" = 1' - 0"	222	OF	361

PLOT DATE: 07/19/2017 10:02:55 PM



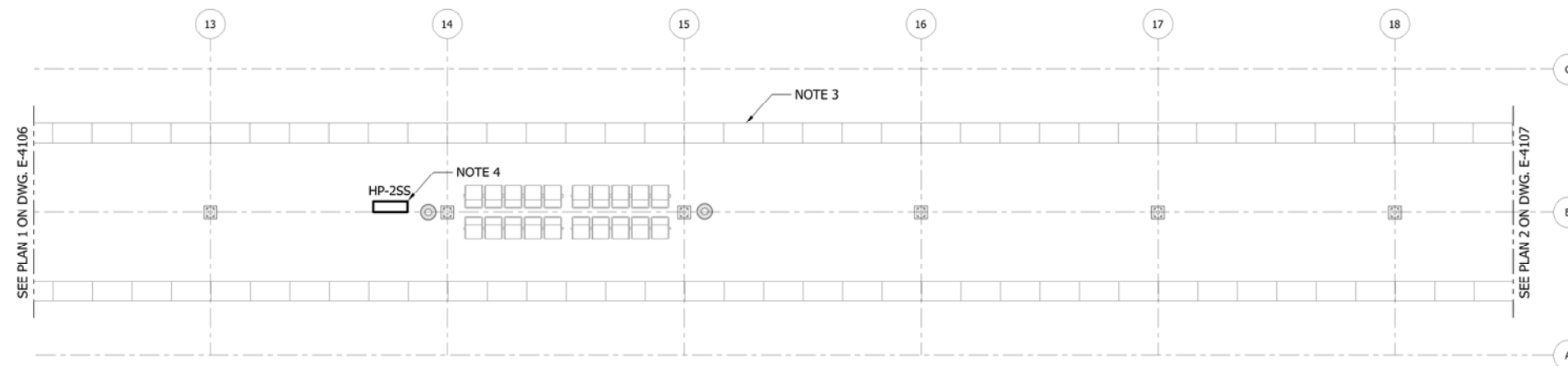
ISSUE	DATE	DESCRIPTION

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33 East Highway 12  
Chesterton, Indiana 46304

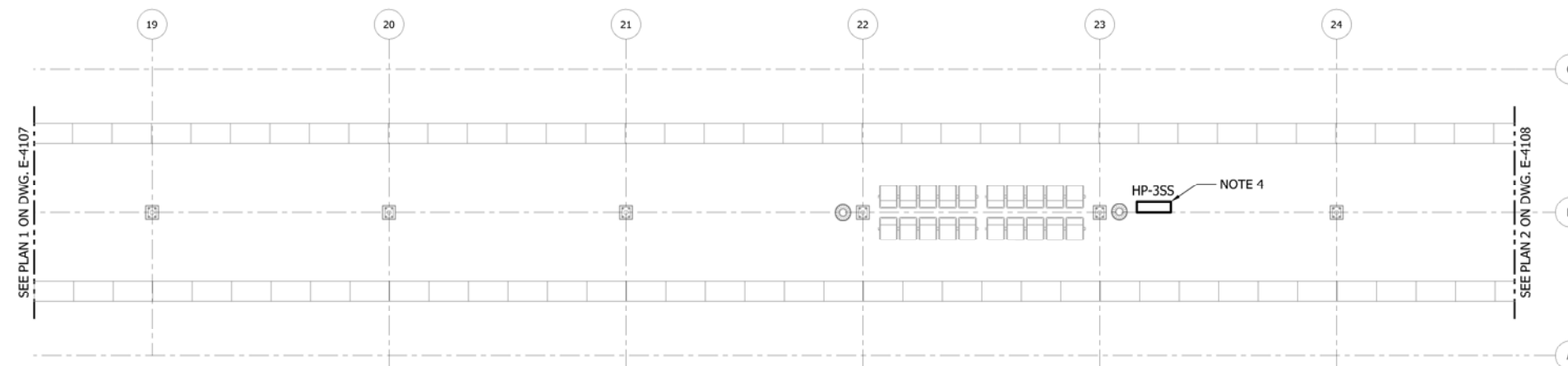


## DYER TO HAMMOND, INDIANA

1. SEE SHEETS E-0001 AND E-0002 FOR ELECTRICAL SYMBOL LIST, ABBREVIATIONS, AND GENERAL NOTES.
2. SEE SHEET E-4602 FOR CABLE AND CONDUIT SCHEDULE.
3. PROVIDE HEAT TRACING TO PLATFORM AND RAMPS.
4. APPROXIMATE LOCATION OF HEAT TRACING PANELS.



1 PARTIAL PLATFORM POWER PLAN  
E-4107 SCALE: 1/8" = 1'-0"



2 PARTIAL PLATFORM POWER PLAN  
E-4107 SCALE: 1/8" = 1'-0"



NOT FOR CONSTRUCTION

SERIES  
E-4107

NICTD - WEST LAKE CORRIDOR - MP 68.9  
HAMMOND GATEWAY STATION

## PARTIAL PLATFORM POWER PLANS - SOUTH SHORE PLATFORM

FILENAME	SHT_WL_E_GATEWAYSTN_PL_07
SCALE	1/8" = 1' - 0"

SHEET  
223 OF 361



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ISSUE	DATE	DESCRIPTION

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TRANSPORTATION DISTRICT  
33 East Highway 12  
Chesterton, Indiana 46304

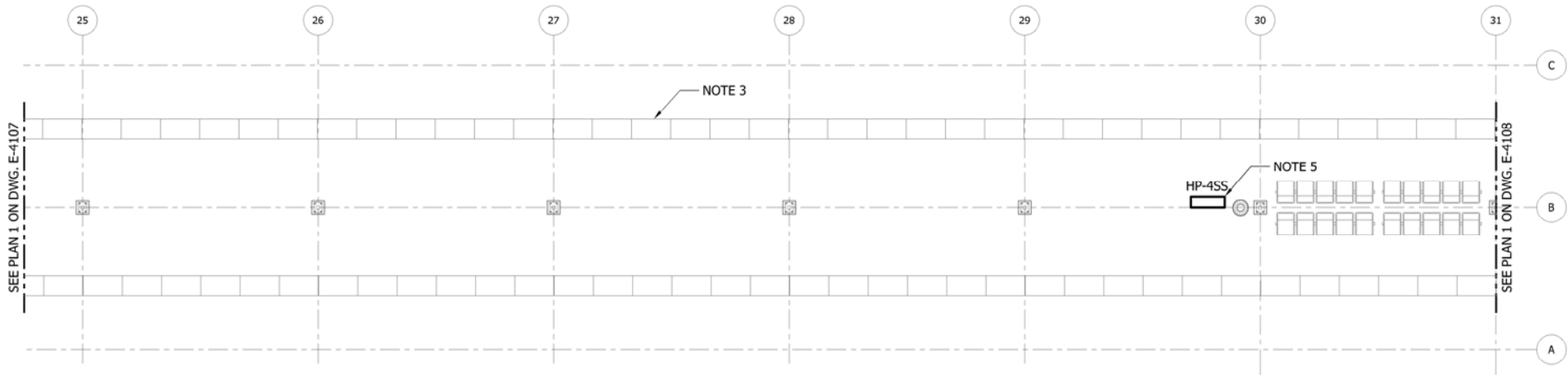
The logo for the West Lake Corridor is a stylized, shield-like emblem. It features the words "WEST LAKE" in large, bold, white capital letters with a black outline, set against a dark background. Below "WEST LAKE", the word "CORRIDOR" is written in smaller, white capital letters on a red rectangular background. The entire logo is framed by a red border.

## DYER TO HAMMOND, INDIANA

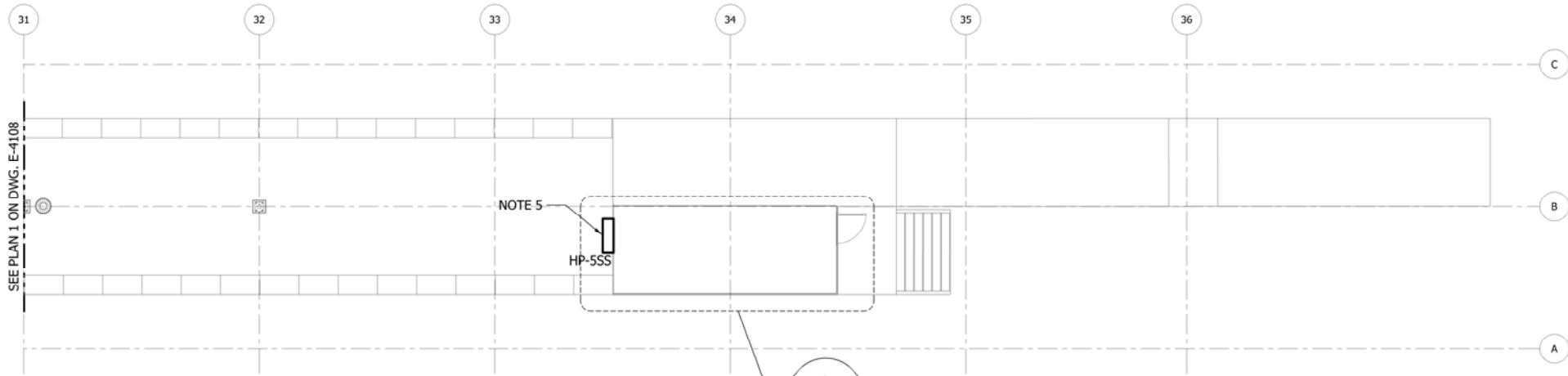
DESIGNED:	A. FAREKAS
DRAWN:	C. MARTIN
CHECKED:	M. BLUMENTHAL
DATE:	07/21/17



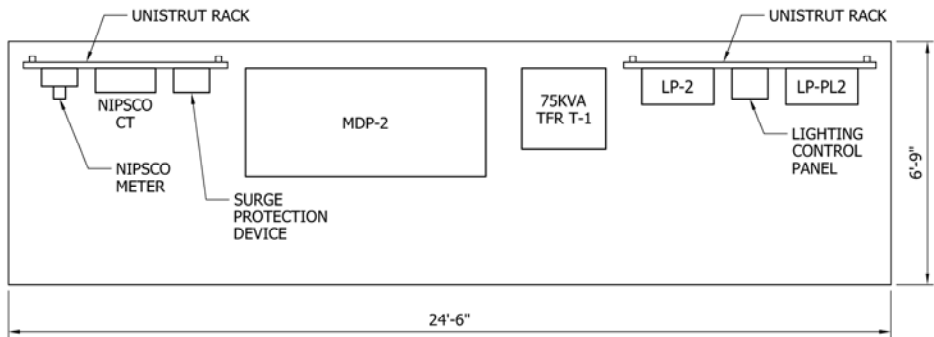
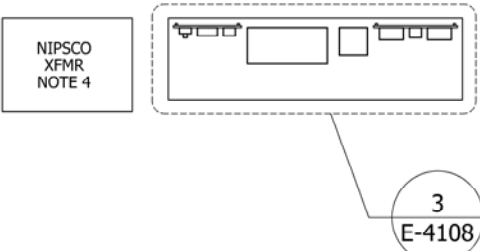
- NOTES:
- SEE SHEETS E-0001 AND E-0002 FOR ELECTRICAL SYMBOL LIST, ABBREVIATIONS, AND GENERAL NOTES.
  - SEE SHEET E-4602 FOR CABLE AND CONDUIT SCHEDULE.
  - PROVIDE HEAT TRACING TO PLATFORM AND RAMPS.
  - CONTRACTOR TO COORDINATE WITH NICTD EXACT LOCATION OF SERVICE EQUIPMENT.
  - APPROXIMATE LOCATION OF HEAT TRACING PANELS.



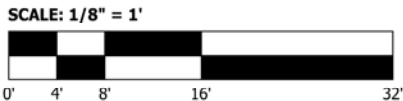
1 PARTIAL PLATFORM POWER PLAN  
E-4108 SCALE: 1/8" = 1'-0"



2 PARTIAL PLATFORM POWER PLAN  
E-4108 SCALE: 1/8" = 1'-0"



3 ELECTRICAL EQUIPMENT PAD  
E-4108 SCALE: 3/8" = 1'-0"



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SERIES  
E-4108



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TRANSPORTATION DISTRICT  
33 East Highway 12  
Chesterton, Indiana 46304



DYER TO HAMMOND, INDIANA

DESIGNED: A. FAREKAS  
DRAWN: C. MARTIN  
CHECKED: M. BLUMENTHAL  
DATE: 07/21/17

NICTD - WEST LAKE CORRIDOR - MP 68.9  
HAMMOND GATEWAY STATION  
PARTIAL PLATFORM POWER PLANS -  
SOUTH SHORE PLATFORM

FILENAME SHT\_WL\_E\_GATEWAYSTN\_PL\_08  
SCALE 1/8" = 1' - 0"

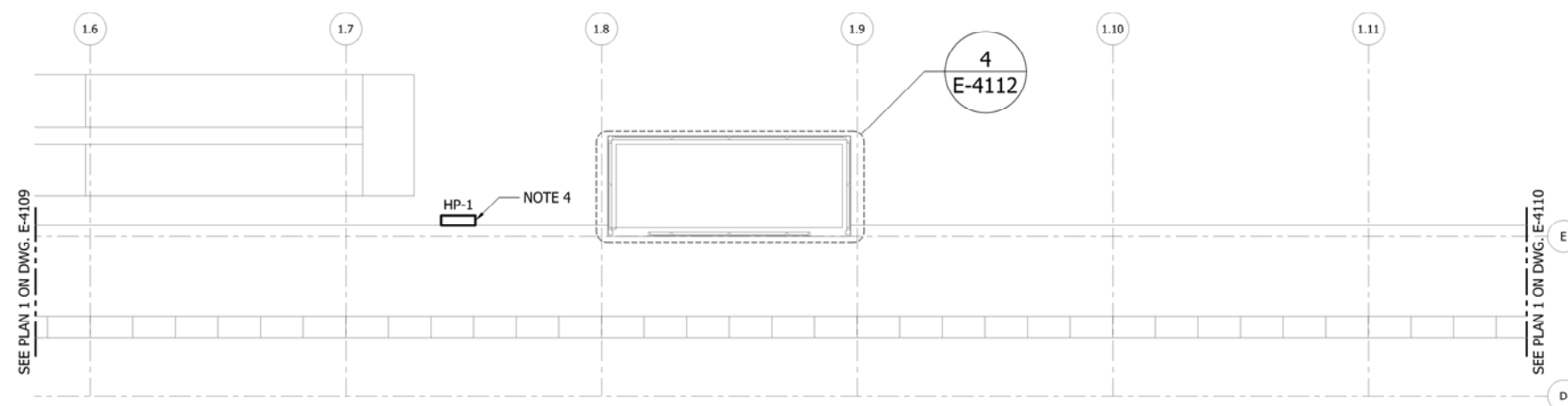
SHEET  
224 OF 361

PLOT DATE: 07/19/2017 10:04:23 PM

M:\5050 NICTD WEST LAKE PROJECT\04 - CADD FILES\04 - SHEET FILES\HAMMOND GATEWAY STATION\SHT\_WL\_E\_GATEWAYSTN\_PL\_08.DWG

1. SEE SHEETS E-0001 AND E-0002 FOR ELECTRICAL SYMBOL LIST, ABBREVIATIONS, AND GENERAL NOTES.
2. SEE SHEET E-4602 FOR CABLE AND CONDUIT SCHEDULE.
3. PROVIDE HEAT TRACING TO PLATFORM AND RAMPS.
4. APPROXIMATE LOCATION FOR HEAT TRACING PANEL.

1 PARTIAL PLATFORM POWER PLAN  
E-4109 SCALE: 1/8" = 1'-0"



2 PARTIAL PLATFORM POWER PLAN  
E-4109 SCALE: 1/8" = 1'-0"

0' 4' 8' 16' 32



SERIES  
E-4109

NICTD - WEST LAKE CORRIDOR - MP WL 69.0  
HAMMOND GATEWAY STATION

## PARTIAL PLATFORM POWER PLANS - WEST LAKE PLATFORM

FILENAME	SHT_WL_E_GATEWAYSTN_PL_09
SCALE	1/8" = 1' - 0"

SHEET

225 OF 361



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[www.AAAEngineering.net](http://www.AAAEngineering.net)

[illegible]

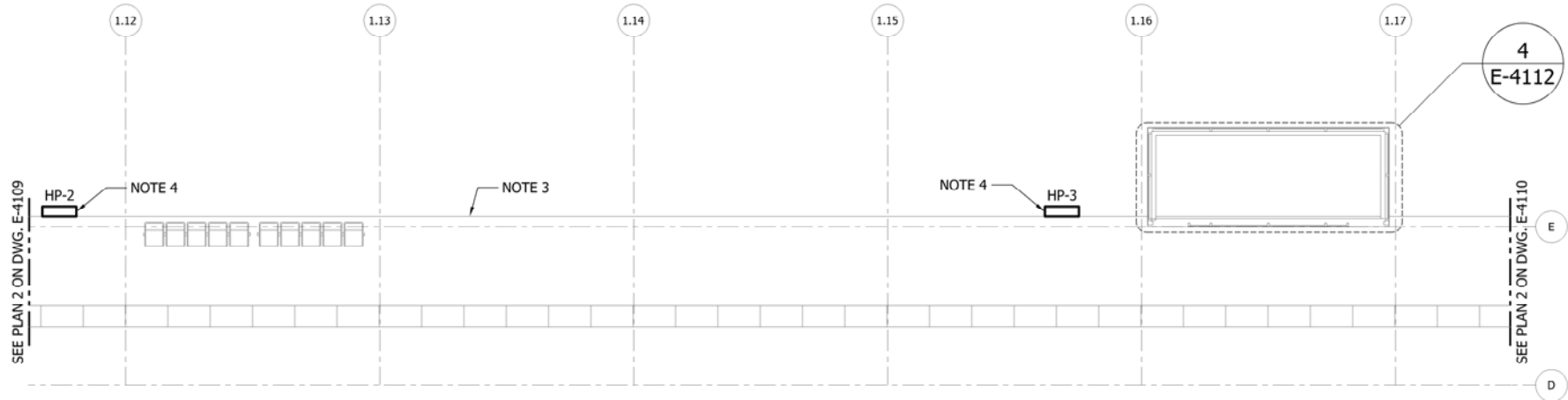
**NICTD**  
NORTHERN INDIANA COMMUTER  
TRANSPORTATION DISTRICT  
33 East Highway 12  
Chesterton, Indiana 46304

The logo for the West Lake Corridor is a stylized shield shape. The top half is black with the words "WEST LAKE" in large, white, serif capital letters. A small white silhouette of a tree is positioned between the words. The bottom half of the shield is red with the word "CORRIDOR" in white, sans-serif capital letters.

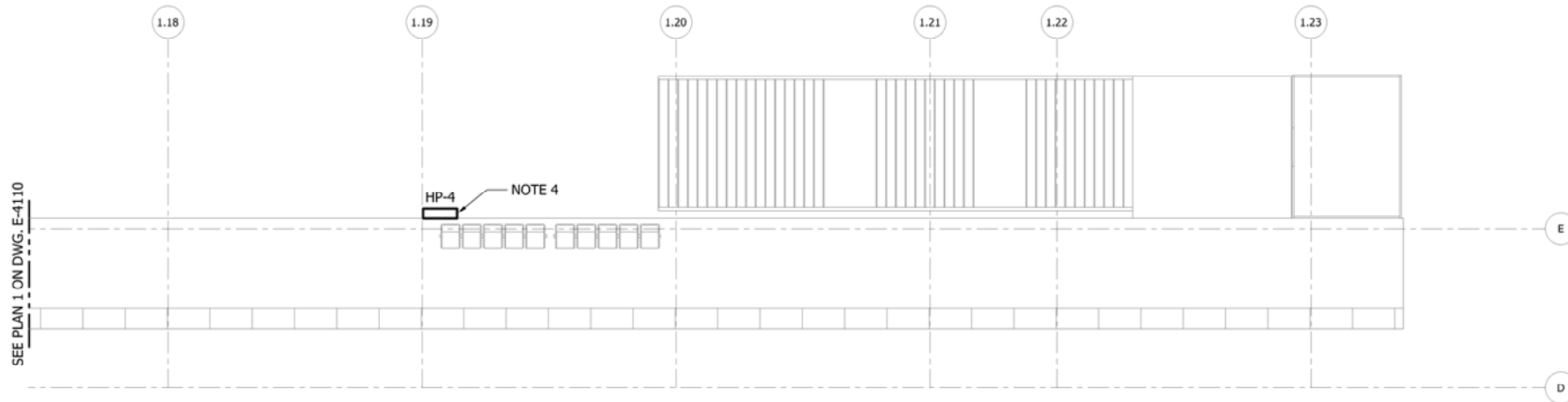
## DYER TO HAMMOND, INDIANA

DESIGNED:	A. FAREKAS
DRAWN:	C. MARTIN
CHECKED:	M. BLUMENTHAL
DATE:	07/21/17

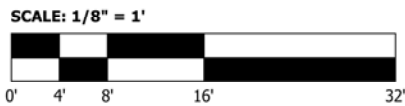
PLOT DATE: 07/19/2017 10:05:41 PM



1 PARTIAL PLATFORM POWER PLAN  
E-4110 SCALE: 1/8" = 1'-0"



2 PARTIAL PLATFORM POWER PLAN  
E-4110 SCALE: 1/8" = 1'-0"



NOTES:

1. SEE SHEETS E-0001 AND E-0002 FOR ELECTRICAL SYMBOL LIST, ABBREVIATIONS, AND GENERAL NOTES.
2. SEE SHEET E-4602 FOR CABLE AND CONDUIT SCHEDULE.
3. PROVIDE HEAT TRACING TO PLATFORM AND RAMPS.
4. APPROXIMATE LOCATION FOR HEAT TRACING PANEL.



ISSUE	DATE	DESCRIPTION



DYER TO HAMMOND, INDIANA

DESIGNED:	A. FAREKAS
DRAWN:	C. MARTIN
CHECKED:	M. BLUMENTHAL
DATE:	07/21/17

NOT FOR CONSTRUCTION

SERIES  
E-4110

NICTD - WEST LAKE CORRIDOR - MP WL 69.0  
HAMMOND GATEWAY STATION

PARTIAL PLATFORM POWER PLANS -  
WEST LAKE PLATFORM

FILENAME	SHT_WL_E_GATEWAYSTN_PL_10
SCALE	1/8" = 1' - 0"

SHEET	226	OF	361
-------	-----	----	-----

1. SEE SHEETS E-0001 AND E-0002 FOR ELECTRICAL SYMBOL LIST, ABBREVIATIONS, AND GENERAL NOTES.
2. SEE SHEET E-4602 FOR CABLE AND CONDUIT SCHEDULE.
3. SEE SHEET E-0601 FOR LIGHTING FIXTURE SCHEDULE.
4. CEILING MOUNTED MOTION SENSOR.
5. APPROXIMATE LOCATION OF TRANSFORMER FIELD VERIFY.

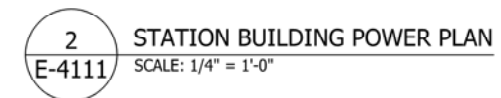


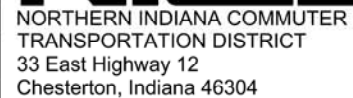
Figure 1 shows a 2x4 grid of squares. The columns are labeled 0', 2', 4', and 8' at the bottom. The top row has alternating black and white squares. The bottom row has alternating white and black squares.



SERIES  
E-4111

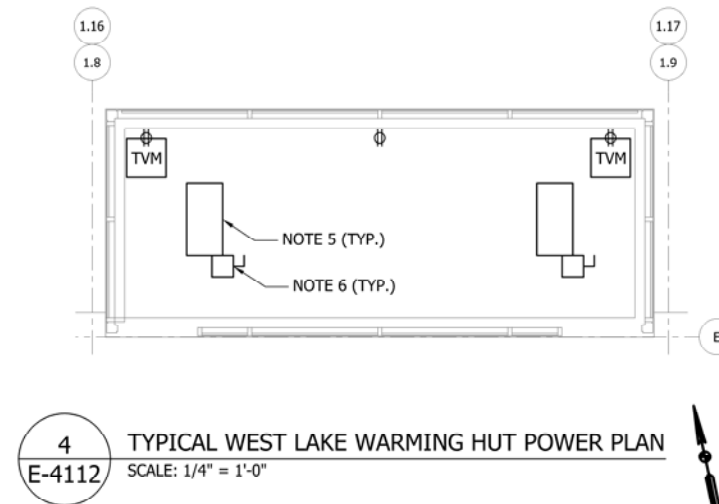
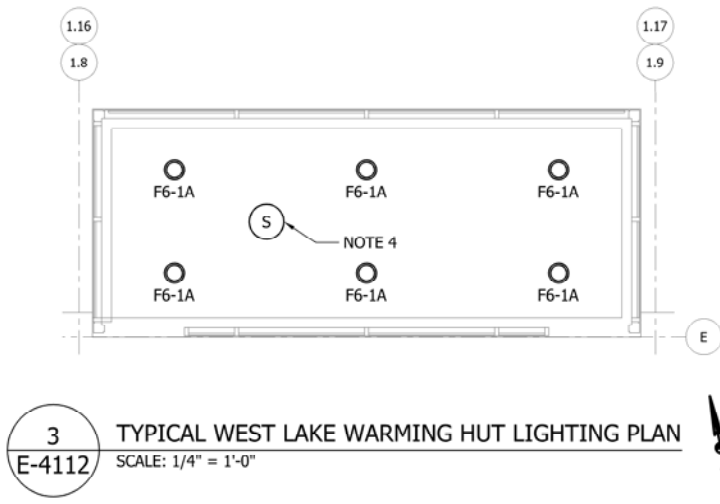
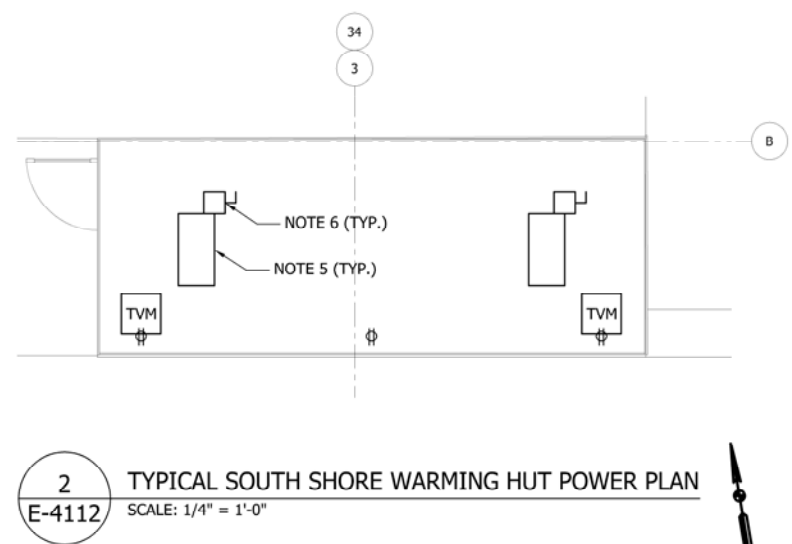
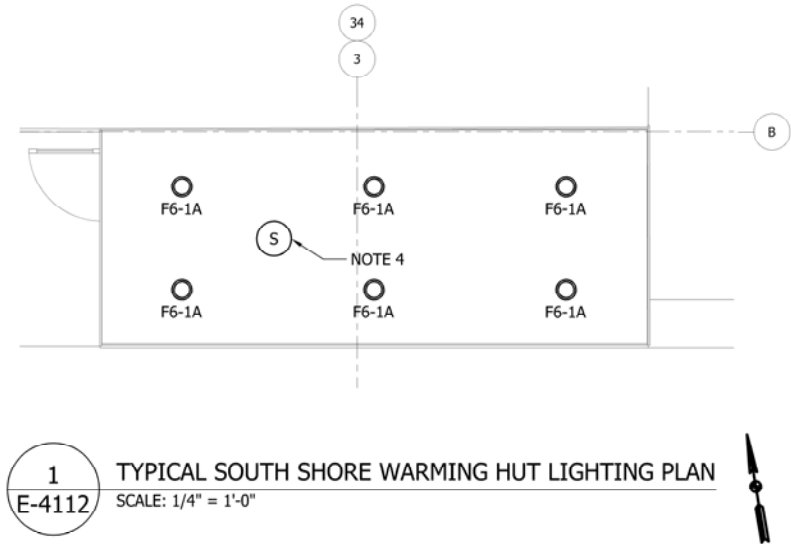
STATION BUILDING PLANS

SHEET  
227 OF 361

[illegible]

DESIGNED:	A. FAREKAS
DRAWN:	C. MARTIN
CHECKED:	M. BLUMENTHAL
DATE:	07/21/17

- NOTES:
- SEE SHEETS E-0001 AND E-0002 FOR ELECTRICAL SYMBOL LIST, ABBREVIATIONS, AND GENERAL NOTES.
  - SEE SHEET E-4602 FOR CABLE AND CONDUIT SCHEDULE.
  - SEE SHEET E-0601 FOR LIGHTING FIXTURE SCHEDULE.
  - CEILING MOUNTED MOTION SENSOR.
  - INFRARED HEATERS.
  - SIZE DISCONNECT SWITCHES FOR INFRARED HEATERS SIZE.



PLOT DATE: 07/19/2017 10:07:59 PM



ISSUE	DATE	DESCRIPTION



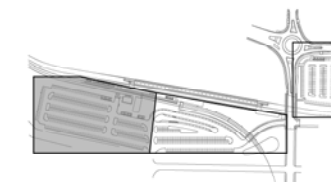
DYER TO HAMMOND, INDIANA

DESIGNED:	A. FAREKAS
DRAWN:	C. MARTIN
CHECKED:	M. BLUMENTHAL
DATE:	07/21/17

NOT FOR CONSTRUCTION		SERIES E-4112
NICTD - WEST LAKE CORRIDOR - MP WL 69.0 HAMMOND GATEWAY STATION		
TYPICAL WARMING HUT PLANS		
FILENAME	SHT_WL_E_GATEWAYSTN_PL_12	SHEET
SCALE	1/4" = 1' - 0"	228 OF 361



1. SEE SHEETS E-0001 AND E-0002 FOR ELECTRICAL SYMBOL LIST, ABBREVIATIONS, AND GENERAL NOTES.
2. SEE SHEET E-4602 FOR CABLE AND CONDUIT SCHEDULE.
3. SEE SHEET E-0601 FOR LIGHTING FIXTURE SCHEDULE.



NOT FOR CONSTRUCTION

SERIES  
**E-4113**

NICTD - WEST LAKE CORRIDOR - MP WL 69.0  
HAMMOND GATEWAY STATION

## MAIN PARKING LOT PARTIAL LIGHTING PLAN

FILENAME	SHT_WL_E_GATEWAYSTN_PL_13	SHEET		
SCALE	1/32" = 1' - 0"	229	OF	361

PLOT DATE: 07/19/2017 10:08:34 PM



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[illegible]

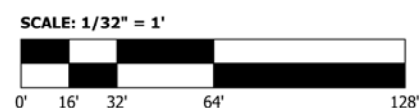
NORTHERN INDIANA COMMUTER  
TRANSPORTATION DISTRICT  
33 East Highway 12  
Chesterton, Indiana 46304



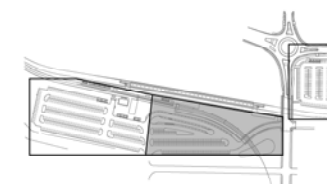
## DYER TO HAMMOND, INDIANA

DESIGNED:	A. FAREKAS
DRAWN:	C. MARTIN
CHECKED:	M. BLUMENTHAL
DATE:	07/21/17

1. SEE SHEETS E-0001 AND E-0002 FOR ELECTRICAL SYMBOL LIST, ABBREVIATIONS, AND GENERAL NOTES.
2. SEE SHEET E-4602 FOR CABLE AND CONDUIT SCHEDULE.
3. SEE SHEET E-0601 FOR LIGHTING FIXTURE SCHEDULE.



1  
E-4114 MAIN PARKING LOT PARTIAL LIGHTING PLAN  
SCALE: 1/32" = 1'-0"



### KEY PLAN

**NOT FOR CONSTRUCTION**

SERIES  
E-4114

NICTD - WEST LAKE CORRIDOR - MP WL 69.0  
HAMMOND GATEWAY STATION

## MAIN PARKING LOT PARTIAL LIGHTING PLAN

DESIGNED:	A. FAREKAS
DRAWN:	C. MARTIN
CHECKED:	M. BLUMENTHAL
DATE:	07/21/17

FILENAME	SHT_WL_E_GATEWAYSTN_PL_14	SHEET		
SCALE	1/32" = 1' - 0"	230	OF	361

PLOT DATE: 07/19/2017 10:09:10 PM



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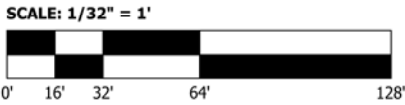
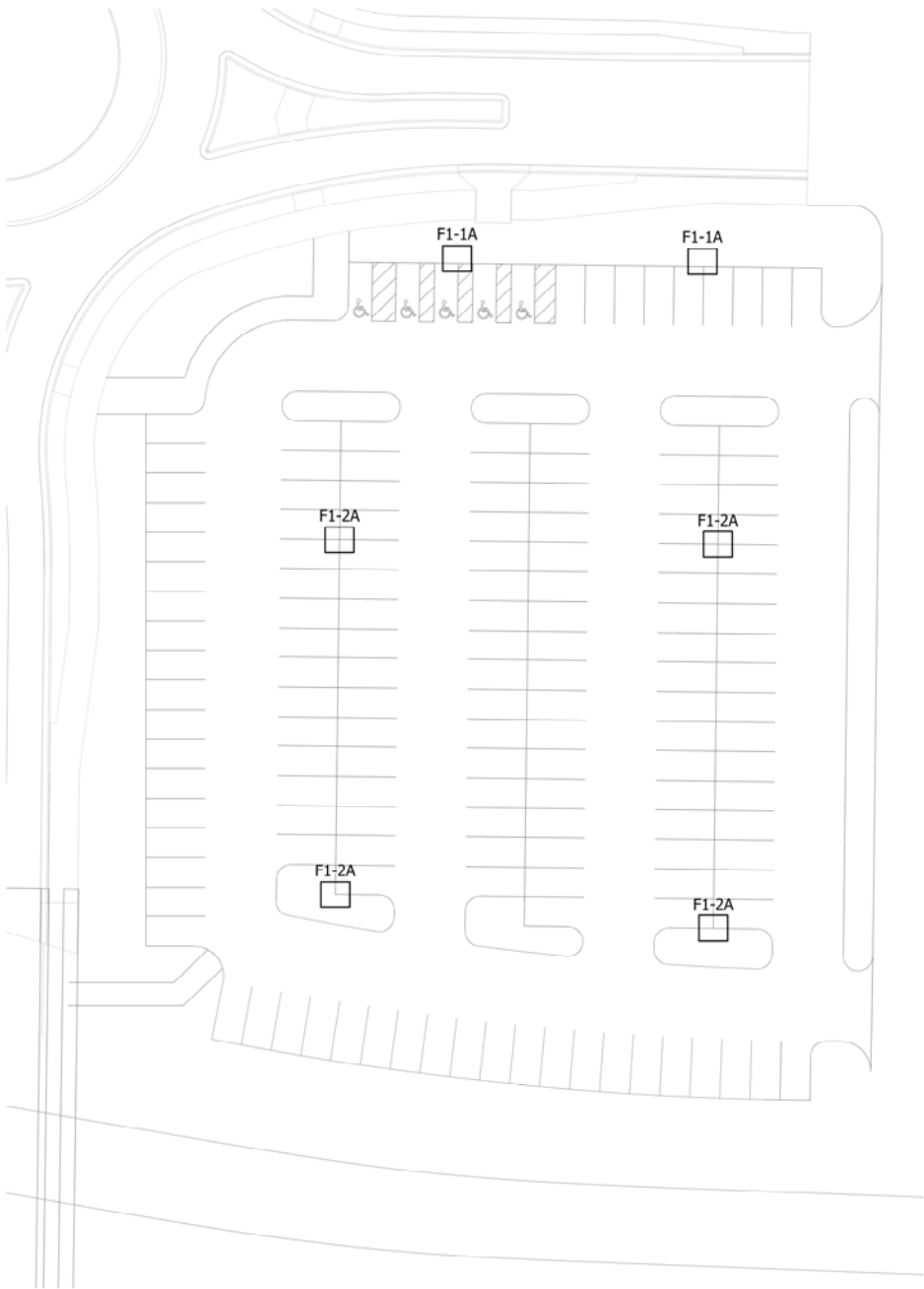
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Chesterton, Indiana 46304



## DYER TO HAMMOND, INDIANA

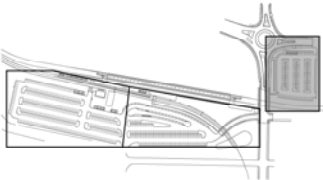
- NOTES:
- SEE SHEETS E-0001 AND E-0002 FOR ELECTRICAL SYMBOL LIST, ABBREVIATIONS, AND GENERAL NOTES.
  - SEE SHEET E-4602 FOR CABLE AND CONDUIT SCHEDULE.
  - SEE SHEET E-0601 FOR LIGHTING FIXTURE SCHEDULE.



1  
E-4115

PARKING LOT LIGHTING PLAN

SCALE: 1/32" = 1'-0"



KEY PLAN

NOT FOR CONSTRUCTION

SERIES  
E-4115

NICTD - WEST LAKE CORRIDOR - MP WL 69.0  
HAMMOND GATEWAY STATION

PARKING LOT LIGHTING PLAN

FILENAME SHT\_WL\_E\_GATEWAYSTN\_PL\_15  
SCALE 1/32" = 1' - 0"

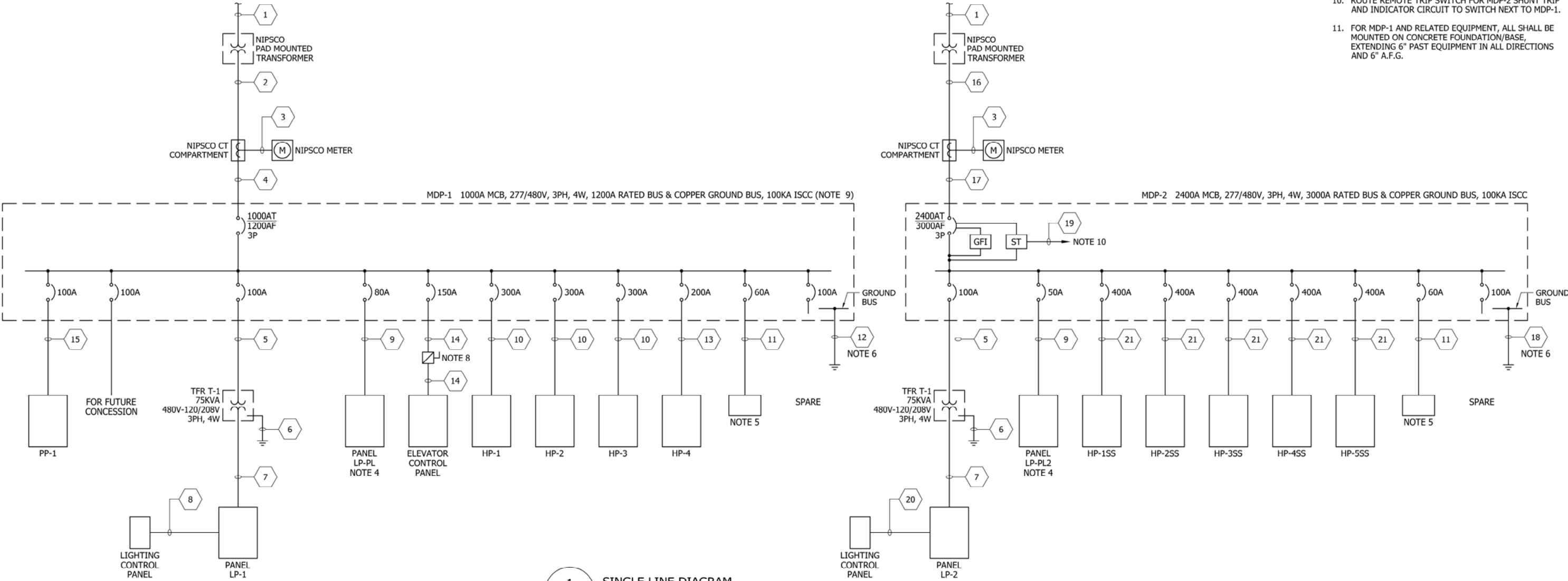
SHEET  
231 OF 361



DYER TO HAMMOND, INDIANA

DESIGNED:	A. FAREKAS
DRAWN:	C. MARTIN
CHECKED:	M. BLUMENTHAL
DATE:	07/21/17

- NOTES:
- SEE SHEETS E-0001 AND E-0002 FOR ELECTRICAL SYMBOL LIST, ABBREVIATIONS, AND GENERAL NOTES.
  - ALL PANELBOARDS AND TRANSFORMERS IN STAINLESS STEEL ENCLOSURES, NEMA 3R, GASKETED WITH HEATERS. ALL PANELBOARDS AND TRANSFORMERS ARE MOUNTED OUTSIDE.
  - ALL CIRCUIT BREAKERS ARE 3 POLE, UNO.
  - REMOTE MOUNTED PARKING LOT LIGHT CONTROLLER.
  - SURGE PROTECTION DEVICE. 400KA PER PHASE.
  - GROUND CABLE GROUNDED TO TRIAD OF 3-10 FOOT LONG, 3/4" DIA. STAINLESS STEEL GROUNDING RODS.
  - MDP-1 AND MDP-2 SHALL BE SERVICE ENTRANCE RATED AND UL LISTED.
  - 200A, 3P, 600V FUSED DISCONNECT SWITCH WITH 3-150 AMP DUAL-ELEMENT FUSES.
  - PROVIDE REMOTE SHUT-OFF SWITCH TO TRIP MDP-2 MAIN CIRCUIT BREAKER SHUNT TRIP FOR EMERGENCIES AND A STATUS INDICATOR LIGHT (WITH BATTERY BACKUP) FOR STATUS OF MDP-2 MCB.
  - ROUTE REMOTE TRIP SWITCH FOR MDP-2 SHUNT TRIP AND INDICATOR CIRCUIT TO SWITCH NEXT TO MDP-1.
  - FOR MDP-1 AND RELATED EQUIPMENT, ALL SHALL BE MOUNTED ON CONCRETE FOUNDATION/BASE, EXTENDING 6" PAST EQUIPMENT IN ALL DIRECTIONS AND 6" A.F.G.



1 SINGLE LINE DIAGRAM  
E-4601 NOT TO SCALE

NOT FOR CONSTRUCTION

SERIES  
E-4601



DESIGNED: A. FAREKAS  
DRAWN: C. MARTIN  
CHECKED: M. BLUMENTHAL  
DATE: 07/21/17

SINGLE LINE DIAGRAM		
FILENAME	SHT_WL_E_GATEWAYSTN_GN_01	SHEET
SCALE	NONE	232 OF 361

PLOT DATE: 07/19/2017 9:43:52 PM

PLOT DATE: 07/19/2017 9:44:33 PM

CABLE AND CONDUIT SCHEDULE			
LEGEND NUMBER	CABLE DESCRIPTION QUANTITY/SIZES	CONDUIT SIZE (INCHES)	NOTES
1		(2) 4	2
2	3 SETS 4 #500 KCMIL & 1 #4/0 AWG GRD	(3) 4	3
3	10 #10 AWG	1	4
4	3 SETS 4 #500 KCMIL & 1 #4/0 AWG GRD	(3) 4	4
5	3 #2 AWG & 1 #8 AWG GRD	1½	4
6	1 #2 AWG GRD	1	4, 5
7	4 #4/0 AWG & 1 #2 AWG GRD	2½	4
8	4 SETS 8 #8 AWG & 1 #10 AWG GRD	(4) 1½	4, 6
9	4 #2 AWG & 1 #4 AWG GRD	2	3
10	4 #500 KCMIL & 1 #3 AWG GRD	3½	4
11	4 #6 AWG & 1 #8 AWG GRD	1	4
12	1 #4/0 AWG GRD	2	4
13	4 #4/0 AWG & 1 #4 AWG GRD	2½	4
14	3 #2/0 AWG & 1 #6 AWG GRD	2½	4
15	4 #2 AWG & 1 #8 AWG GRD	1½	4
16	6 SETS 4 #600 KCMIL & 1 #500 KCMIL GRD	(6) 4	3
17	6 SETS 4 #600 KCMIL & 1 #500 KCMIL GRD	(6) 4	4
18	1 #500 KCMIL GRD	2	4
19	10 #10 AWG & 1 #10 AWG GRD	1	3
20	5 SETS 8 #8 AWG & 1 #10 AWG GRD	(5) 1½	4
21	4 #600 KCMIL & 1 #1/0 AWG GRD	4	4

- NOTES:
- SEE SHEETS E-0001 AND E-0002 FOR ELECTRICAL SYMBOL LIST, ABBREVIATIONS, AND GENERAL NOTES.
  - 2-4" PVC SCHEDULE 40 CONDUITS TO NIPSCO POLE FOR PRIMARY TRANSFORMER FEEDER CABLE. CABLE FURNISHED AND INSTALLED BY NIPSCO.
  - CONDUIT, PVC SCHEDULE 40.
  - CONDUIT TO BE GRC.
  - GROUND CABLE GROUNDED TO 10 FOOT LONG, ¾" DIA. STAINLESS STEEL GROUNDING ROD.
  - 2 CONDUITS ARE FOR FUTURE.



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ISSUE	DATE	DESCRIPTION



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TRANSPORTATION DISTRICT  
33 East Highway 12  
Chesterton, Indiana 46304



DYER TO HAMMOND, INDIANA

DESIGNED:	A. FAREKAS
DRAWN:	C. MARTIN
CHECKED:	M. BLUMENTHAL
DATE:	07/21/17

NOT FOR CONSTRUCTION		SERIES E-4602	
NICTD - WEST LAKE CORRIDOR - MP WL 69.0 HAMMOND GATEWAY STATION			
CABLE AND CONDUIT SCHEDULE			
FILENAME	SHT_WL_E_GATEWAYSTN_GN_02	SHEET	
SCALE	NONE	233	OF 361



1. SEE SHEETS E-0001 AND E-0002 FOR ELECTRICAL SYMBOL LIST, ABBREVIATIONS, AND GENERAL NOTES.

PANEL: PP-1						MAIN MOUNTING BUS						100A MCB					
VOLTAGE: 480/277V, 3P, 4W																	
ENCLOSURE: NEMA 1												250A WITH GROUND BUS					
CIRCUIT USE	BREAKERS		LOAD (VA)			CKT #	LOAD (VA)			BREAKERS		CIRCUIT USE					
	TRIP	POLE	A	B	C		A	B	C	TRIP	POLE						
SPARE	20	1				1	2				20	1	SPARE				
SPARE	20	1				3	4				20	1	SPARE				
SPARE	20	1				5	6				20	1	SPARE				
SPARE	20	1				7	8				20	1	SPARE				
SPARE	20	1				9	10				20	1	SPARE				
SPARE	20	1				11	12				20	1	SPARE				
SPARE	20	1				13	14				20	1	SPARE				
SPARE	20	1				15	16				20	1	SPARE				
SPARE	20	1				17	18				20	1	SPARE				
SPARE	20	1				19	20				20	1	SPARE				
SPARE	20	1				21	22				20	1	SPARE				
SPARE	20	1				23	24				20	1	SPARE				
SPARE	20	1				25	26				20	1	SPARE				
SPARE	20	1				27	28				20	1	SPARE				
SPARE	20	1				29	30				20	1	SPARE				
SPARE	20	1				31	32				20	1	SPARE				
SPARE	20	1				33	34				20	1	SPARE				
SPARE	20	1				35	36				20	1	SPARE				
SPARE	20	1				37	38				20	1	SPARE				
SPARE	20	1				39	40				20	1	SPARE				
SPARE	20	1				41	42				20	1	SPARE				
TOTALS			0	0	0			0	0	0							
PHASE A: 0 VA																	
PHASE B: 0 VA																	
PHASE C: 0 VA																	
TOTAL CONNECTED VA 0 VA																	
AMPS 0 A CONNECTED																	
1.25X AMPS 0 A																	

PANEL: LP-2 VOLTAGE: 120/208V, 3P, 4W ENCLOSURE: NEMA 3R						MAIN MOUNTING BUS 225A MCB 250A WITH GROUND BUS									
CIRCUIT USE		BREAKERS		LOAD (VA)			Circuit #		LOAD (VA)			BREAKERS		CIRCUIT USE	
		TRIP	POLE	A	B	C			A	B	C	TRIP	POLE		
SPARE		20	1				1	2				20	1	SPARE	
SPARE		20	1				3	4				20	1	SPARE	
SPARE		20	1				5	6				20	1	SPARE	
SPARE		20	1				7	8				20	1	SPARE	
SPARE		20	1				9	10				20	1	SPARE	
SPARE		20	1				11	12				20	1	SPARE	
SPARE		20	1				13	14				20	1	SPARE	
SPARE		20	1				15	16				20	1	SPARE	
SPARE		20	1				17	18				20	1	SPARE	
SPARE		20	1				19	20				20	1	SPARE	
SPARE		20	1				21	22				20	1	SPARE	
SPARE		20	1				23	24				20	1	SPARE	
SPARE		20	1				25	26				20	1	SPARE	
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SPARE		20	1				29	30				20	1	SPARE	
SPARE		20	1				31	32				20	1	SPARE	
SPARE		20	1				33	34				20	1	SPARE	
SPARE		20	1				35	36				20	1	SPARE	
SPARE		20	1				37	38				20	1	SPARE	
SPARE		20	1				39	40				20	1	SPARE	
SPARE		20	1				41	42				20	1	SPARE	
TOTALS				0	0	0			0	0	0				
PHASE A:		0 VA													
PHASE B:		0 VA													
PHASE C:		0 VA													
TOTAL CONNECTED VA		0 VA													
AMPS		0 A			CONNECTED										
1.25 AMPS		0 A													



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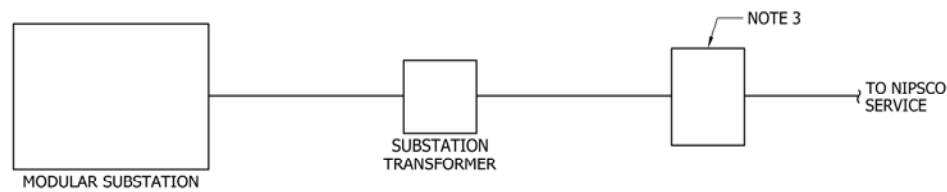
[illegible]

DESIGNED:	A. FAREKAS
DRAWN:	C. MARTIN
CHECKED:	M. BLUMENTHAL
DATE:	07/21/17

**SERIES**  
**E-4603**

## PANELBOARD SCHEDULES

FILENAME	SHT_WL_E_GATEWAYSTN_GN_03	SHEET <b>234 OF 361</b>
SCALE	NONE	



1 SUBSTATION SINGLE LINE DIAGRAM  
E-4604 NOT TO SCALE



2 PICTURE OF TYPICAL SWITCH  
E-4604 NOT TO SCALE

- NOTES:
- SEE SHEETS E-0001 AND E-0002 FOR ELECTRICAL SYMBOL LIST, ABBREVIATIONS, AND GENERAL NOTES.
  - SEE SHEET E-4602 FOR CABLE AND CONDUIT SCHEDULE.
  - 69KV GROUND OPERATED VERTICAL BREAKER SWITCH.
  - USE ALUMINUM WIRING FOR CONNECTION.
  - PROVIDE CONCRETE FOUNDATION FOR SWITCH.
  - PROVIDE FENCING AROUND SWITCH AND TRANSFORMER AND NIPSCO SWITCH AREA AHEAD OF SWITCH. COORDINATE EXACT AREA REQUIREMENTS WITH NIPSCO.
  - PROVIDE TUBULAR I-BEAM SUPPORT STAND.
  - ALL DESIGNS MUST BE CERTIFIED BY STRUCTURAL ENGINEER.
  - PROVIDE LIGHTS ON STRUCTURE UP/DOWN AND AREA WITH WEATHERPROOF LED FLOODLIGHTS.
  - NIPSCO BUS SUPPORT SHALL HAVE LIGHTNING PROTECTION.
  - SWITCH SHALL HAVE HAND OPERATED MANUAL AUXILIARY INLINE SWITCH.
  - STRUCTURE SHALL BE PROPERLY GROUNDED PER NIPSCO SPECIFICATIONS.
  - PROVIDE WEATHERPROOF OUTDOOR GFI SERVICE RECEPTACLES ON EACH SUPPORT LEG OF SWITCH.
  - SWITCH SHALL BE VERTICAL BREAK SWITCH VBI BY EM SPEC OR APPROVED EQUAL. CONTACT MARK SNYDER, 734-645-2886.
  - COORDINATE EXACT LOCATION WITH ARCHITECTURAL SITE PLAN DRAWING.

PLOT DATE: 07/19/2017 9:43:13 PM



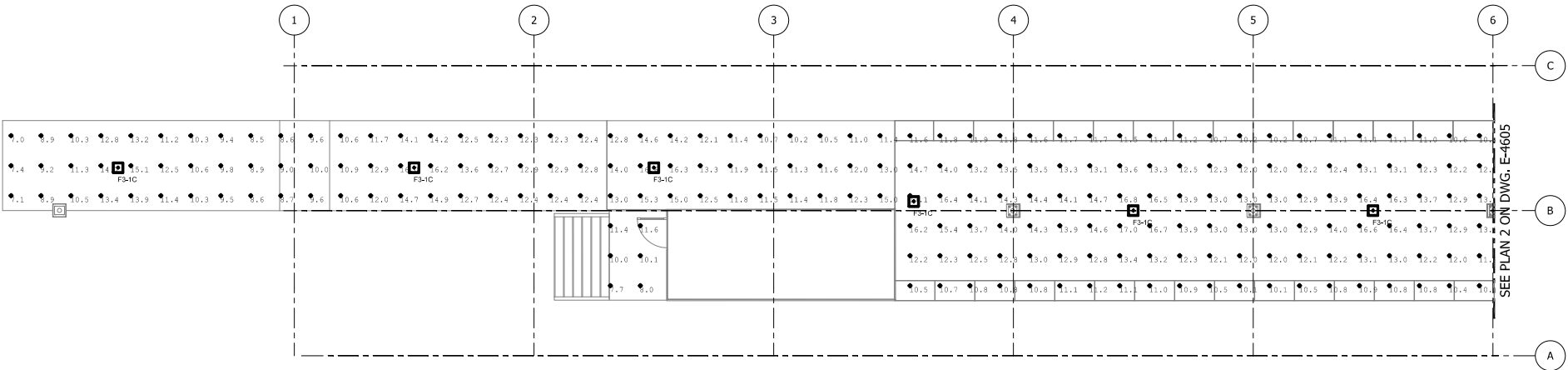
ISSUE	DATE	DESCRIPTION



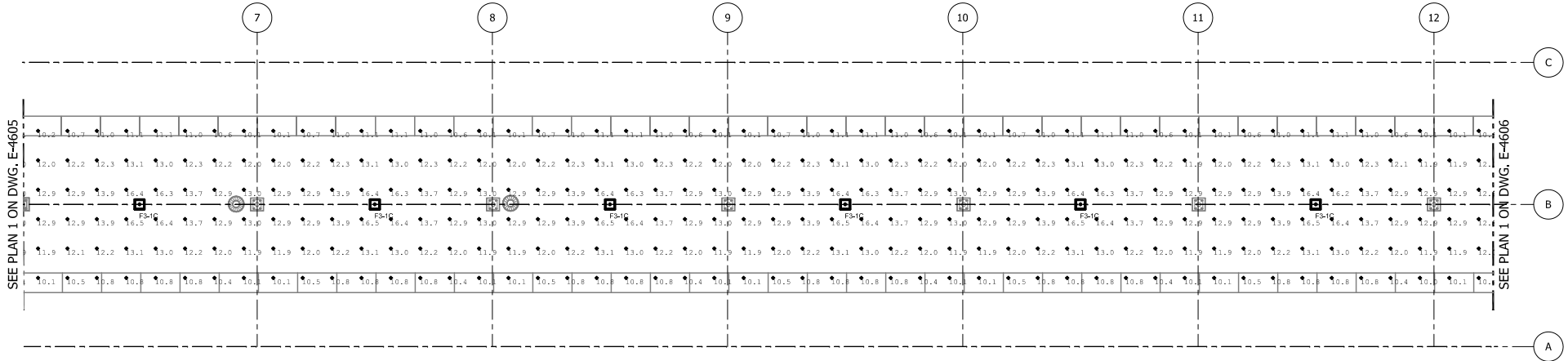
DESIGNED:	A. FAREKAS
DRAWN:	C. MARTIN
CHECKED:	M. BLUMENTHAL
DATE:	07/21/17

NOT FOR CONSTRUCTION		SERIES
		E-4604
NICTD - WEST LAKE CORRIDOR - MP WL 68.6 HAMMOND GATEWAY SUBSTATION		
HAMMOND GATEWAY SUBSTATION SERVICE		
FILENAME	SHT_WL_E_GATEWAYSTN_GN_04	SHEET
SCALE	NONE	235 OF 361

- NOTES:
- SEE SHEETS E-0001 AND E-0002 FOR ELECTRICAL SYMBOL LIST, ABBREVIATIONS, AND GENERAL NOTES.
  - SEE SHEET E-0601 FOR LIGHTING FIXTURE SCHEDULE.



1  
E-4605  
PARTIAL PLATFORM PHOTOMETRIC PLAN  
SCALE: 1/8" = 1'-0"

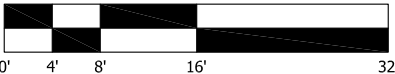


2  
E-4605  
PARTIAL PLATFORM PHOTOMETRIC PLAN  
SCALE: 1/8" = 1'-0"

Luminaire Schedule								
Symbol	Qty	Tag	Label	Arrangement	Lum. Watts	Mounting Height (ft.)	LLF	Description
	37	F3-1C	1970LED-10ARC45T5-MD	SINGLE	157.8	10	0.700	1970LED-10ARC45T5-MDL03-SV1

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Gateway Hammond SS Platform	Illuminance	Fc	12.31	17.1	6.6	1.87	2.59

SCALE: 1/8" = 1'



NOT FOR CONSTRUCTION

SERIES  
E-4605

NICTD - WEST LAKE CORRIDOR - MP 68.9  
HAMMOND GATEWAY STATION

PARTIAL PLATFORM PHOTOMETRIC  
PLANS - SOUTH SHORE PLATFORM

FILENAME SHT\_WL\_E\_GATEWAYSTN\_DP\_05  
SCALE 1/8" = 1' - 0"

SHEET  
236 OF 361



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ISSUE DATE DESCRIPTION



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TRANSPORTATION DISTRICT  
33 East Highway 12  
Chesterton, Indiana 46304

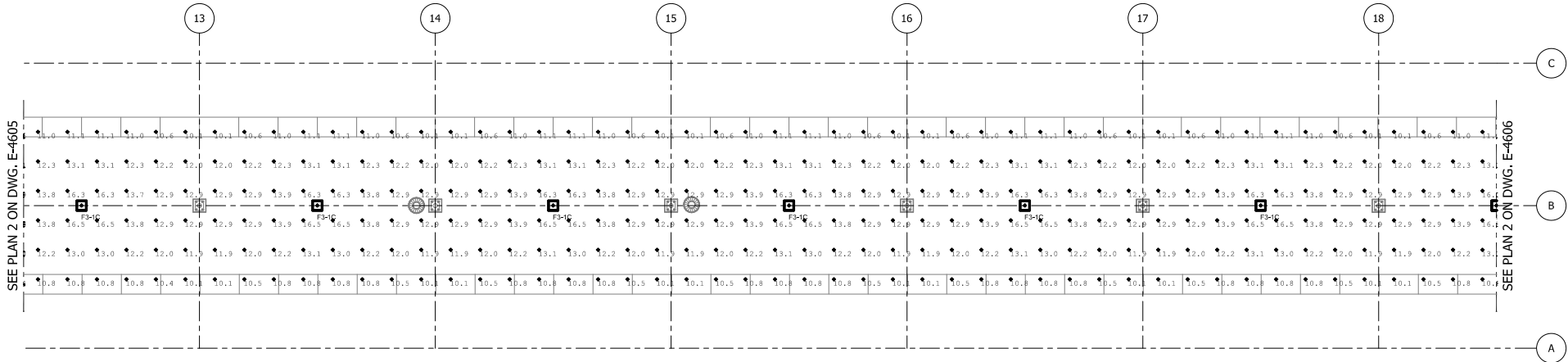


DYER TO HAMMOND, INDIANA

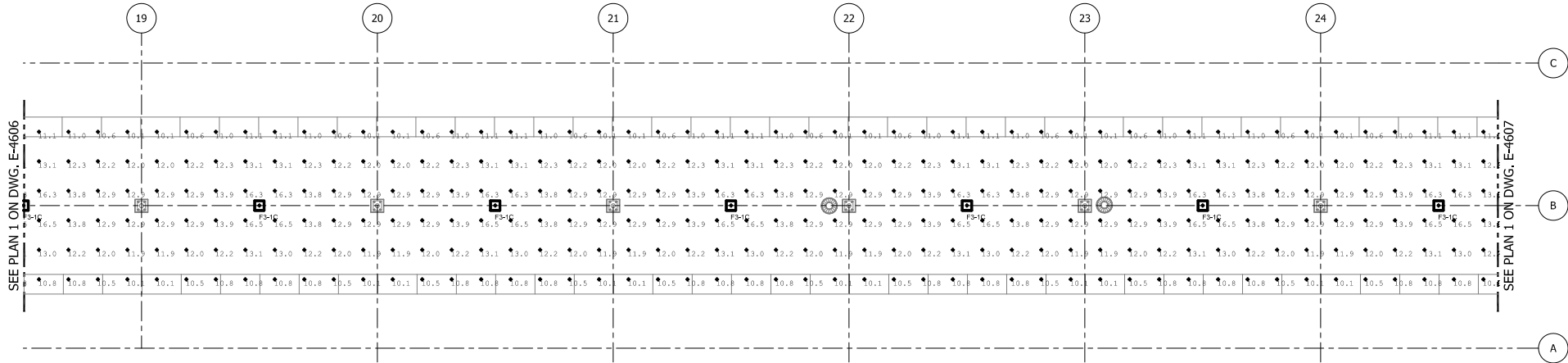
DESIGNED:	A. FAREKAS
DRAWN:	C. MARTIN
CHECKED:	M. BLUMENTHAL
DATE:	07/21/17

PLOT DATE: 07/19/2017 9:34:38 PM

- NOTES:
- SEE SHEETS E-0001 AND E-0002 FOR ELECTRICAL SYMBOL LIST, ABBREVIATIONS, AND GENERAL NOTES.
  - SEE SHEET E-0601 FOR LIGHTING FIXTURE SCHEDULE.



1  
E-4606  
PARTIAL PLATFORM PHOTOMETRIC PLAN  
SCALE: 1/8" = 1'-0"

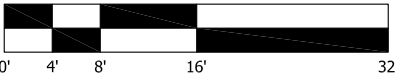


2  
E-4606  
PARTIAL PLATFORM PHOTOMETRIC PLAN  
SCALE: 1/8" = 1'-0"

Luminaire Schedule								
Symbol	Qty	Tag	Label	Arrangement	Lum. Watts	Mounting Height (ft.)	LLF	Description
	37	F3-1C	1970LED-10ARC45T5-MD	SINGLE	157.8	10	0.700	1970LED-10ARC45T5-MDL03-SV1

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Gateway Hammond SS Platform	Illuminance	Fc	12.31	17.1	6.6	1.87	2.59

SCALE: 1/8" = 1'



NOT FOR CONSTRUCTION

SERIES  
E-4606

NICTD - WEST LAKE CORRIDOR - MP 68.9  
HAMMOND GATEWAY STATION

PARTIAL PLATFORM PHOTOMETRIC  
PLANS - SOUTH SHORE PLATFORM

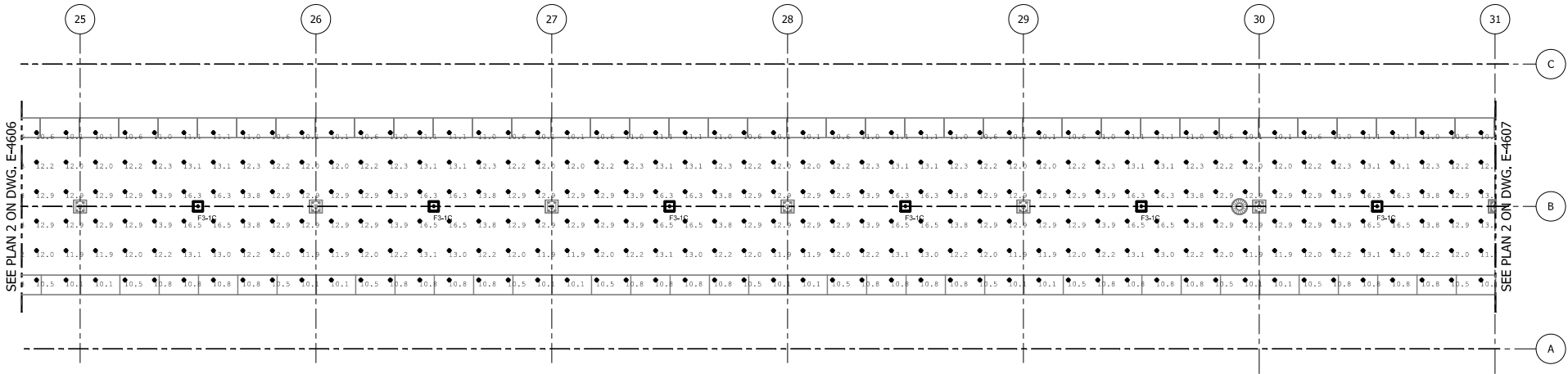
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SCALE	1/8" = 1' - 0"	237 OF 361



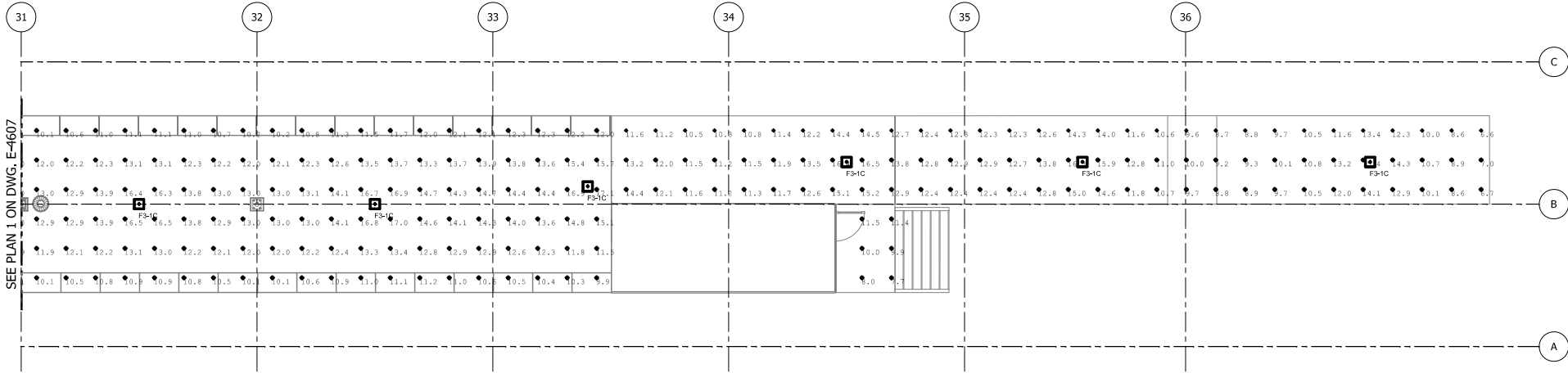
DYER TO HAMMOND, INDIANA

DESIGNED:	A. FAREKAS
DRAWN:	C. MARTIN
CHECKED:	M. BLUMENTHAL
DATE:	07/21/17

- NOTES:
- SEE SHEETS E-0001 AND E-0002 FOR ELECTRICAL SYMBOL LIST, ABBREVIATIONS, AND GENERAL NOTES.
  - SEE SHEET E-0601 FOR LIGHTING FIXTURE SCHEDULE.



1 PARTIAL PLATFORM PHOTOMETRIC PLAN  
E-4607 SCALE: 1/8" = 1'-0"

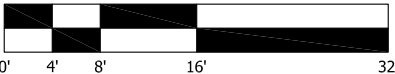


2 PARTIAL PLATFORM PHOTOMETRIC PLAN  
E-4607 SCALE: 1/8" = 1'-0"

Luminaire Schedule								
Symbol	Qty	Tag	Label	Arrangement	Lum. Watts	Mounting Height (ft.)	LLF	Description
■	37	F3-1C	1970LED-10ARC45T5-MD	SINGLE	157.8	10	0.700	1970LED-10ARC45T5-MDL03-SV1

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Gateway Hammond SS Platform	Illuminance	Fc	12.31	17.1	6.6	1.87	2.59

SCALE: 1/8" = 1'



NOT FOR CONSTRUCTION

SERIES  
E-4607

NICTD - WEST LAKE CORRIDOR - MP 68.9  
HAMMOND GATEWAY STATION

PARTIAL PLATFORM PHOTOMETRIC  
PLANS - SOUTH SHORE PLATFORM

FILENAME SHT\_WL\_E\_GATEWAYSTN\_DP\_07  
SCALE 1/8" = 1' - 0"

SHEET  
238 OF 361

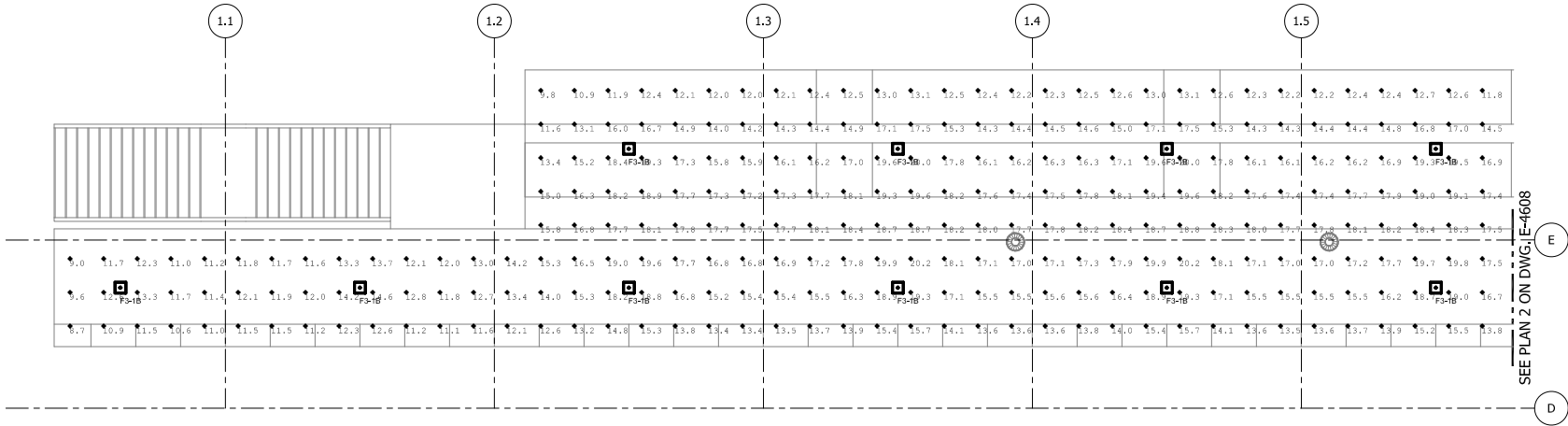


DYER TO HAMMOND, INDIANA

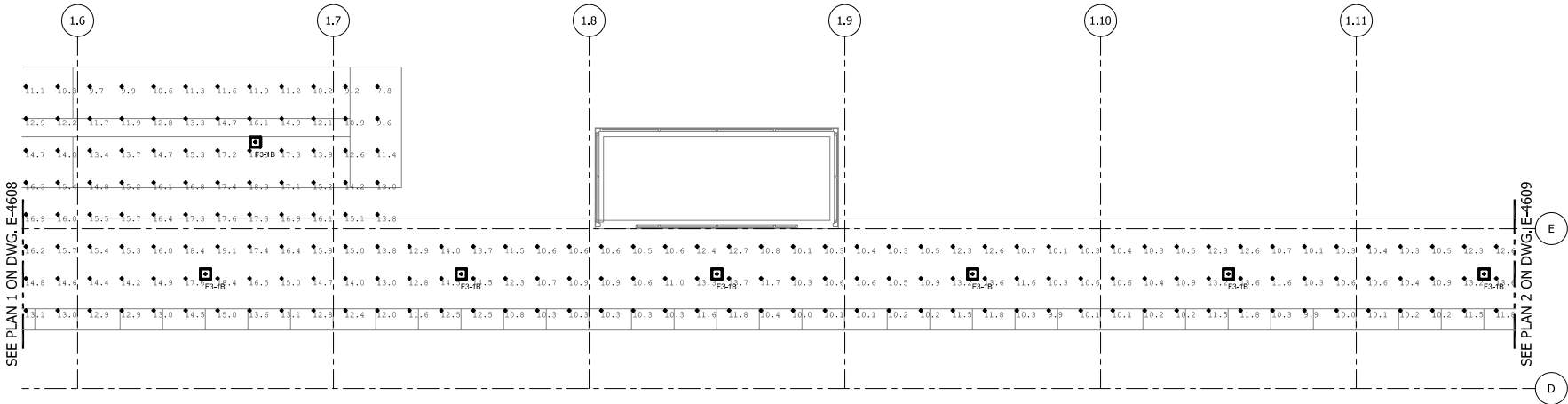
DESIGNED:	A. FAREKAS
DRAWN:	C. MARTIN
CHECKED:	M. BLUMENTHAL
DATE:	07/21/17



- NOTES:
- SEE SHEETS E-0001 AND E-0002 FOR ELECTRICAL SYMBOL LIST, ABBREVIATIONS, AND GENERAL NOTES.
  - SEE SHEET E-0601 FOR LIGHTING FIXTURE SCHEDULE.



1  
E-4608  
PARTIAL PLATFORM PHOTOMETRIC PLAN  
SCALE: 1/8" = 1'-0"

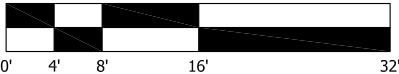


2  
E-4608  
PARTIAL PLATFORM PHOTOMETRIC PLAN  
SCALE: 1/8" = 1'-0"

Luminaire Schedule							
Symbol	Qty	Tag	Label	Arrangement	Lum. Watts	Mounting Height (ft.)	LLF
☐	31	F3-1B	1970LED-8ARC45T5-MDL	SINGLE	122.7	10	0.700
Description							
1970LED-8ARC45T5-MDL03-SV1							

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Gateway Hammond Westlake Platform	Illuminance	Fc	13.85	21.8	7.0	1.98	3.11

SCALE: 1/8" = 1'



NOT FOR CONSTRUCTION

SERIES  
E-4608

NICTD - WEST LAKE CORRIDOR - MP WL 69.0  
HAMMOND GATEWAY STATION

PARTIAL PLATFORM PHOTOMETRIC  
PLANS - WEST LAKE PLATFORM

FILENAME SHT\_WL\_E\_GATEWAYSTN\_DP\_08 SHEET  
SCALE 1/8" = 1' - 0" 239 OF 361



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ISSUE DATE DESCRIPTION



NORTHERN INDIANA COMMUTER  
TRANSPORTATION DISTRICT  
33 East Highway 12  
Chesterton, Indiana 46304



DYER TO HAMMOND, INDIANA

DESIGNED:	A. FAREKAS
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CHECKED:	M. BLUMENTHAL
DATE:	07/21/17

PLOT DATE: 07/19/2017 9:38:48 PM

1. SEE SHEETS E-0001 AND E-0002 FOR ELECTRICAL SYMBOL LIST, ABBREVIATIONS, AND GENERAL NOTES.
2. SEE SHEET E-0601 FOR LIGHTING FIXTURE SCHEDULE.

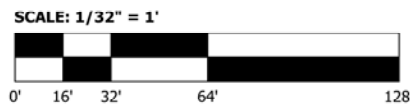
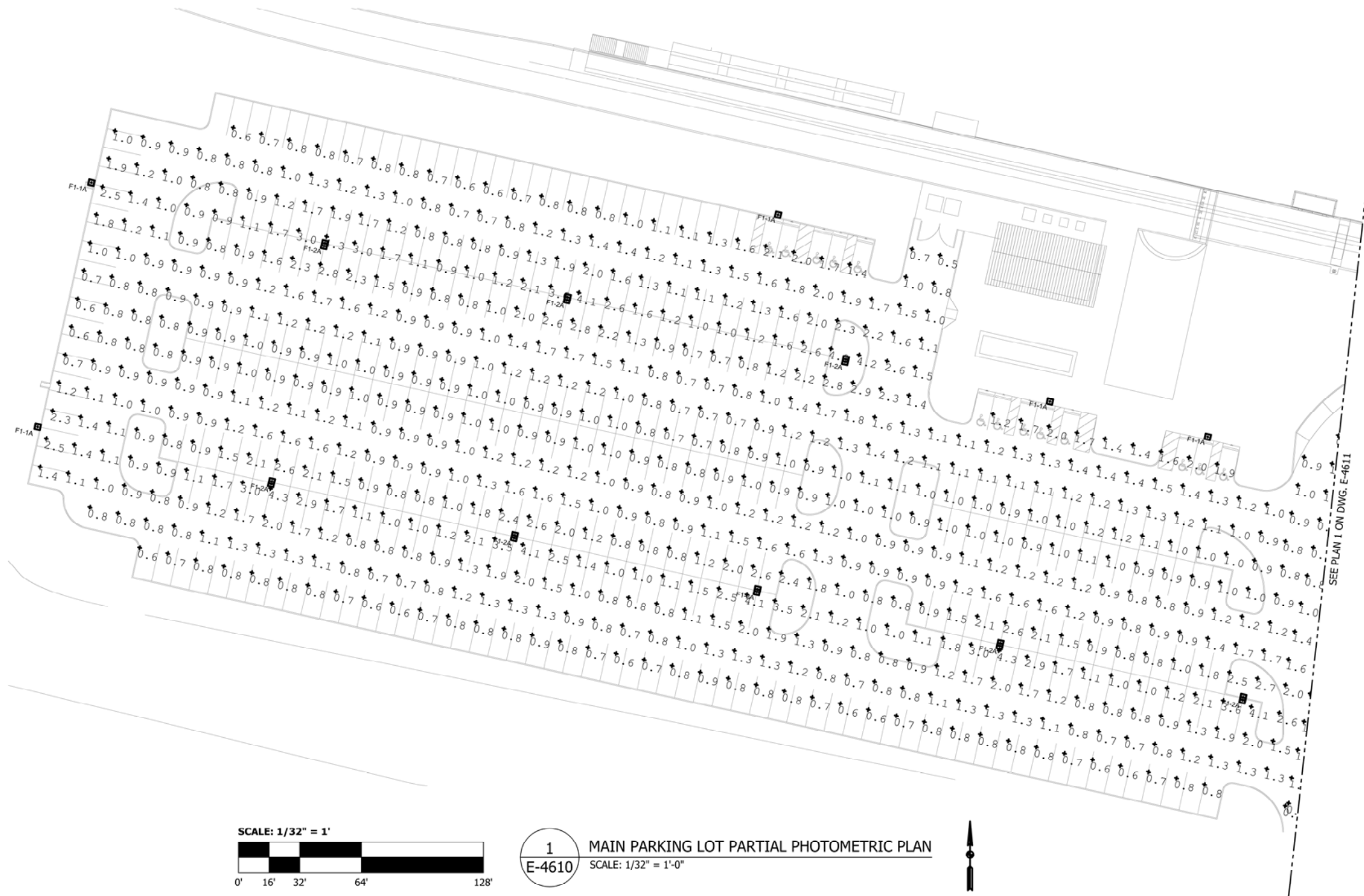


Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Gateway Hammond Westlake Platform	Illuminance	Fc	13.85	21.8	7.0	1.98	3.11

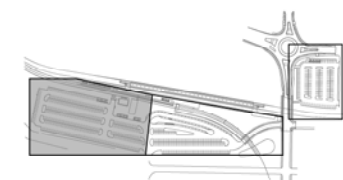


M:\5050 NICTD WEST LAKE PROJECT\04 - CADD FILES\04 - SHEET FILES\HAMMOND GATEWAY STATION\SH T WL E GATEWAY\STN DP 09.DWG

- NOTES:
- SEE SHEETS E-0001 AND E-0002 FOR ELECTRICAL SYMBOL LIST, ABBREVIATIONS, AND GENERAL NOTES.
  - SEE SHEET E-0601 FOR LIGHTING FIXTURE SCHEDULE.



1  
E-4610  
SCALE: 1/32" = 1'-0"



KEY PLAN

NOT FOR CONSTRUCTION  
SERIES  
E-4610

NICTD - WEST LAKE CORRIDOR - MP WL 69.0  
HAMMOND GATEWAY STATION  
**MAIN PARKING LOT PARTIAL  
PHOTOMETRIC PLAN**

FILENAME	SHT_WL_E_GATEWAYSTN_DP_10	SHEET	241	OF	361
SCALE	1/32" = 1' - 0"				

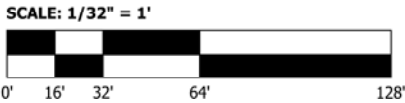
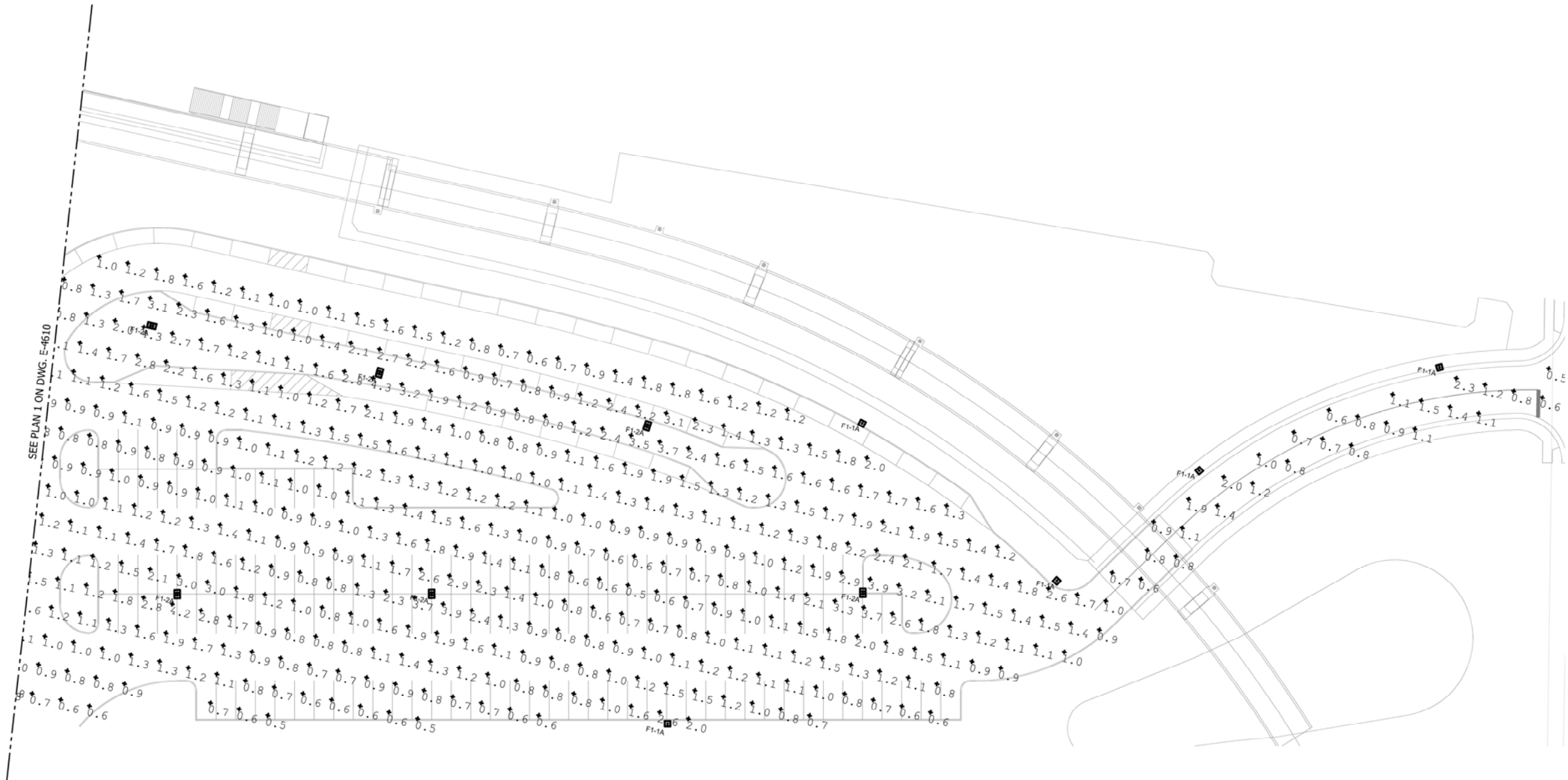


DYER TO HAMMOND, INDIANA

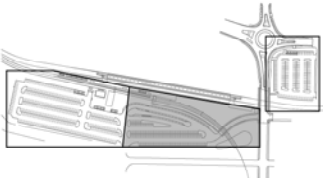
DESIGNED:	A. FAREKAS
DRAWN:	C. MARTIN
CHECKED:	M. BLUMENTHAL
DATE:	07/21/17

PLOT DATE: 07/19/2017 9:39:43 PM

- NOTES:
- SEE SHEETS E-0001 AND E-0002 FOR ELECTRICAL SYMBOL LIST, ABBREVIATIONS, AND GENERAL NOTES.
  - SEE SHEET E-0601 FOR LIGHTING FIXTURE SCHEDULE.



1 MAIN PARKING LOT PARTIAL PHOTOMETRIC PLAN  
E-4611 SCALE: 1/32" = 1'-0"



KEY PLAN

NOT FOR CONSTRUCTION

SERIES  
E-4611

NICTD - WEST LAKE CORRIDOR - MP WL 69.0

HAMMOND GATEWAY STATION

MAIN PARKING LOT  
PARTIAL PHOTOMETRIC PLAN

FILENAME SHT\_WL\_E\_GATEWAYSTN\_DP\_11  
SCALE 1/32" = 1' - 0"

SHEET  
242 OF 361



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DYER TO HAMMOND, INDIANA

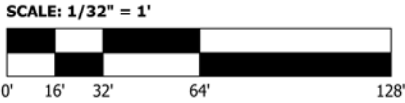
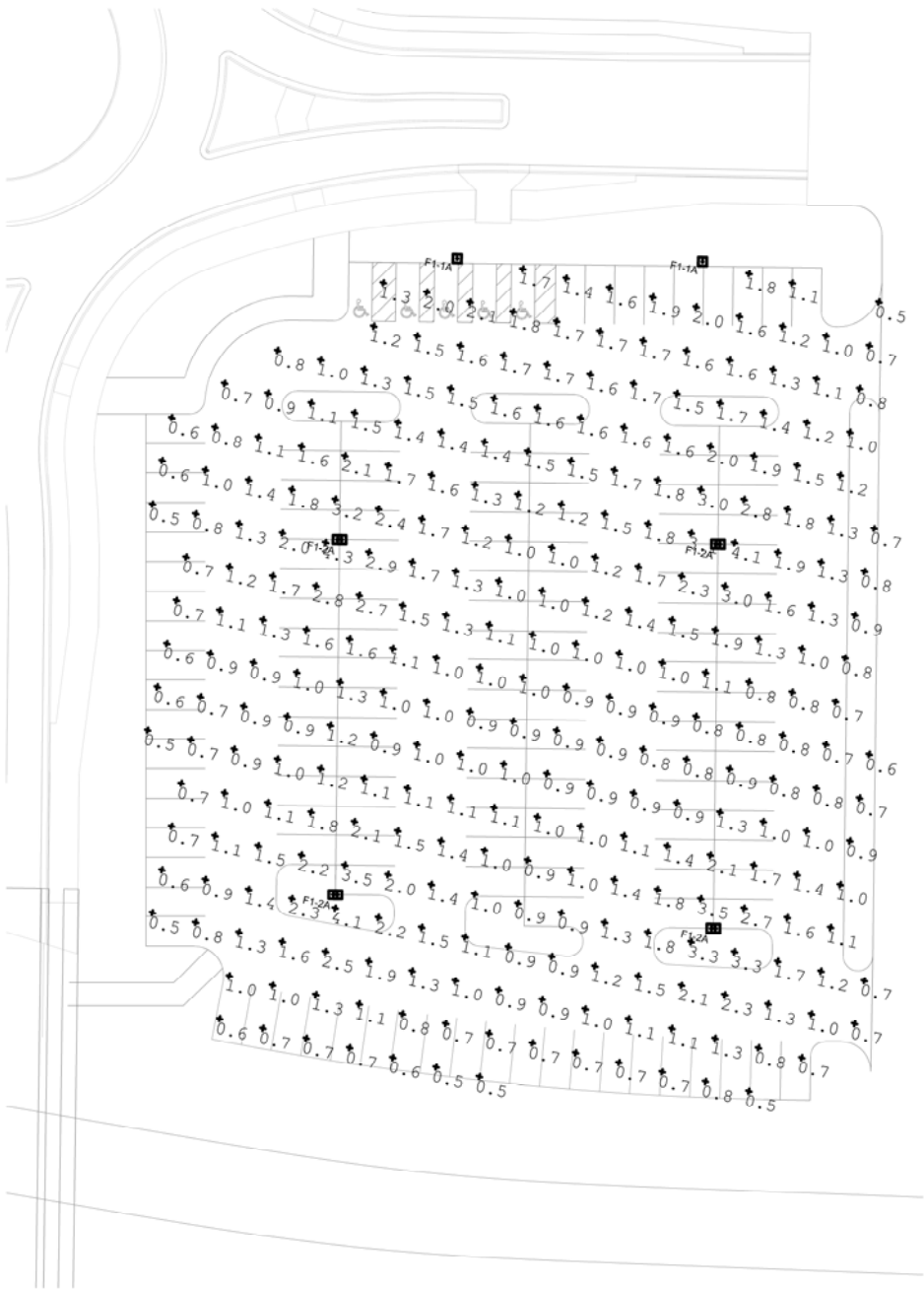
DESIGNED: A. FAREKAS  
DRAWN: C. MARTIN  
CHECKED: M. BLUMENTHAL  
DATE: 07/21/17

PLOT DATE: 07/19/2017 9:40:33 PM

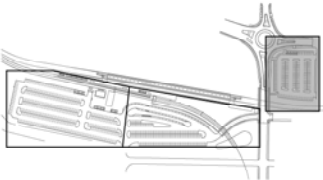
M:\5050 NICTD WEST LAKE PROJECT\04 - CADD FILES\04 - SHEET FILES\HAMMOND GATEWAY STATION\SHT\_WL\_E\_GATEWAYSTN\_DP\_11.DWG



- NOTES:
- SEE SHEETS E-0001 AND E-0002 FOR ELECTRICAL SYMBOL LIST, ABBREVIATIONS, AND GENERAL NOTES.
  - SEE SHEET E-0601 FOR LIGHTING FIXTURE SCHEDULE.



1  
E-4612  
PARKING LOT PHOTOMETRIC PLAN  
SCALE: 1/32" = 1'-0"



KEY PLAN

NOT FOR CONSTRUCTION

SERIES  
E-4612

NICTD - WEST LAKE CORRIDOR - MP WL 69.0  
HAMMOND GATEWAY STATION

PARKING LOT PHOTOMETRIC PLAN

FILENAME	SHT_WL_E_GATEWAYSTN_DP_12	SHEET	243	OF	361
SCALE	1/32" = 1' - 0"				





DYER TO HAMMOND, INDIANA

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DRAWN:	C. MARTIN
CHECKED:	M. BLUMENTHAL
DATE:	07/21/17



- NOTES:
- SEE SHEETS E-0001 AND E-0002 FOR ELECTRICAL SYMBOL LIST, ABBREVIATIONS, AND GENERAL NOTES.
  - SEE SHEET E-0601 FOR LIGHTING FIXTURE SCHEDULE.
  - THIS TABLE SHOWS FIXTURES IN TOTAL PARKING LOT AND KISS AND RIDE AREAS.

Luminaire Schedule								
Symbol	Qty	Tag	Label	Arrangement	Lum. Watts	Mounting Height (ft.)	LLF	Description
	12	F1-1A	DSX1 LED 40C 1000 40K T4M MVO	SINGLE	138	25	0.700	DSX1 LED 40C 1000 40K T4M MVOLT
	18	F1-2A	DSX1 LED 40C 1000 40K T4M MVO 1	BACK-BACK	138	25	0.700	DSX1 LED 40C 1000 40K T4M MVOLT

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
East-Parking Lot	Illuminance	Fc	1.32	4.3	0.5	2.64	8.60
North Parking Lot	Illuminance	Fc	1.32	4.3	0.5	2.64	8.60
West-Parking Lot 1	Illuminance	Fc	1.25	4.3	0.5	2.50	8.60
North Parking Lot Handicap	Illuminance	Fc	1.78	2.1	1.3	1.37	1.62
West-Sec-A-Handicap	Illuminance	Fc	1.80	2.1	1.4	1.29	1.50
West-Sec-B-Handicap 2	Illuminance	Fc	1.66	2.0	1.2	1.38	1.67

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SERIES  
E-4613

NICTD - WEST LAKE CORRIDOR - MP WL 69.0  
HAMMOND GATEWAY STATION

PARKING LOT PHOTOMETRIC TABLES

FILENAME	SHT_WL_E_GATEWAYSTN_DP_13	SHEET
SCALE	1/32" = 1' - 0"	244 OF 361