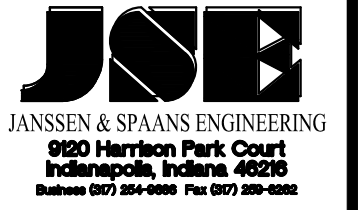
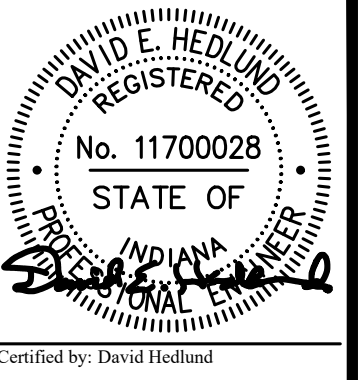
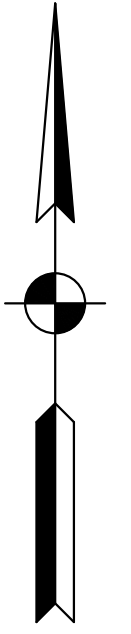


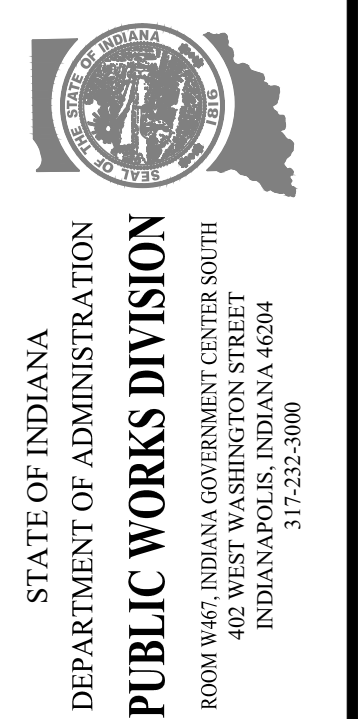
# CLEAR CREEK WELCOME CENTER

## INDIANA DEPARTMENT OF TRANSPORTATION

### DRAWING SET #5 CIVIL SITE (SPECIFICATIONS VOLUMES 1, 5)

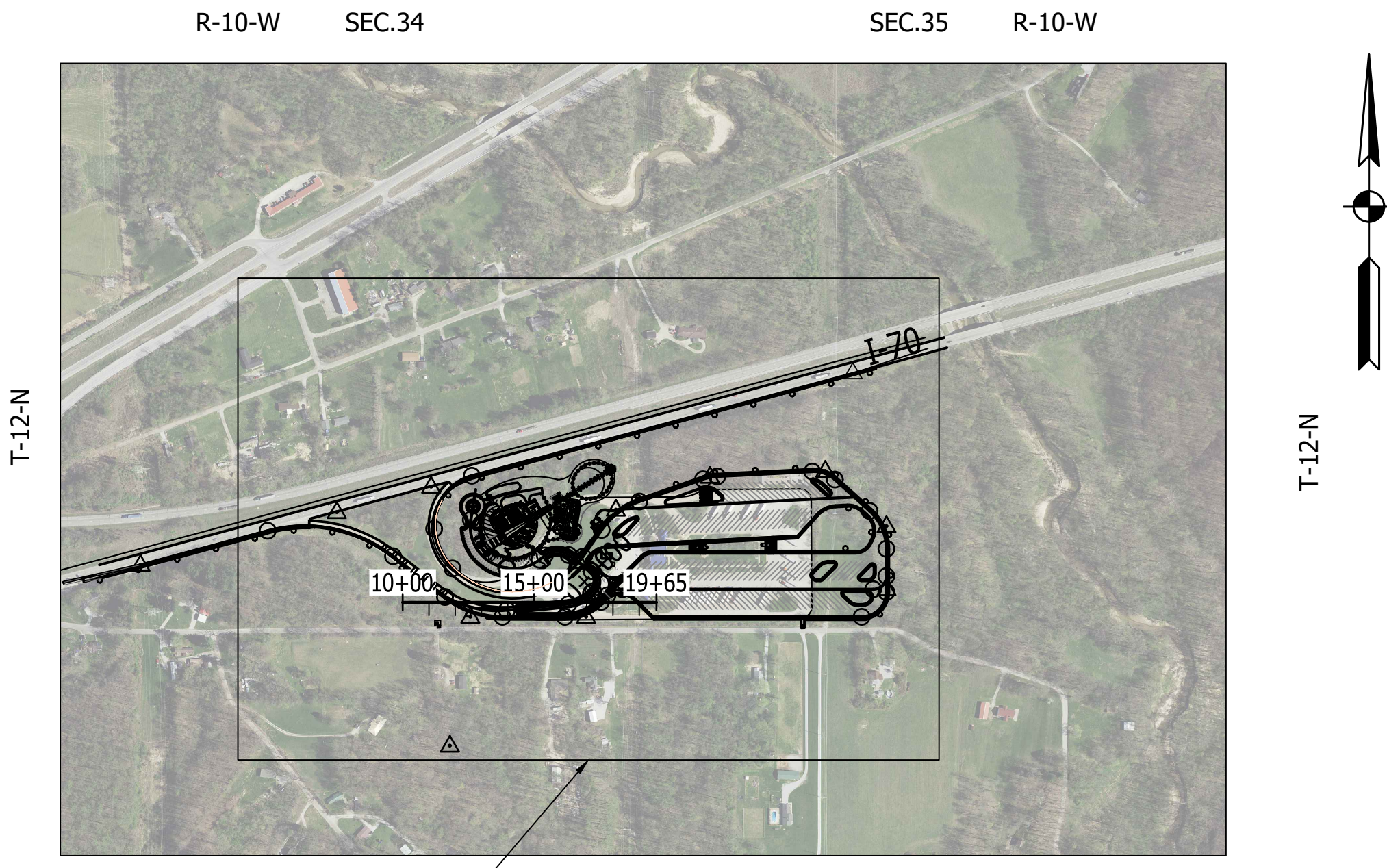


PUBLIC WORKS PROJECT NO. 84003001-22-058-C1  
 CLEAR CREEK WELCOME CENTER  
 VIGO COUNTY, INDIANA



Revisions:	
Project Number:	84003001-22-058-C1
Requisition Number:	
Account Number:	
Designer:	DEH
Drawing Date:	02/23/2023
Drafter:	MDR
Drawing Scale:	N/A
DAPW Approval:	
Client Approval:	
Reference Number:	1364
Building Reference:	
Drawing Number:	G100
Sheet:	1 of 155

UTILITIES				
SHEET INDEX	PROVIDER	PHONE	CONTACT	ADDRESS
ELECTRIC	DUKE ENERGY	(812) 231-8721 (OFFICE)	TYLER ANGLE (DISTRIBUTION)	301 HOME AVE. TERRE HAUTE, IN 47803
		(812) 249-7163 (M)		
		(812) 375-2021	RYAN DAUGHARTY (TRANSMISSION)	2727 CENTRAL AVE. COLUMBUS, IN. 47201
WATER & SEWER	TOWN OF WEST TERRE HAUTE	(812) 533-1053 (OFFICE) (812) 870-5950 (M)	ED STEWART	500 W. NATIONAL AVE WEST TERRE HAUTE, IN 47885
WIRELESS INTERNET	JOINK, LLC	(812) 234-5100 (812) 315-6465	RAY OSLAND	834 S. 10TH ST TERRE HAUTE, IN 47807 2727 Central Ave. Columbus. In. 47201
NATURAL GAS	CENTERPOINT ENERGY	(812) 231-6303	JENNIFER ISBELL-SCOTT	475 S. 1ST. ST TERRE HAUTE, IN 47807



Project Location  
 VIGO COUNTY, INDIANA  
 VICINITY MAP  
 SCALE: 1" = 100'



INDIANA DEPARTMENT OF TRANSPORTATION  
 STANDARD SPECIFICATIONS DATED 2020,  
 RECOMMENDED STANDARDS FOR WASTEWATER FACILITIES  
 DATED 2014 (10 STATE STANDARDS) AND  
 RECOMMENDED STANDARDS FOR WATER WORKS  
 DATED 2018 (10 STATE STANDARDS)  
 TO BE USED WITH THESE PLANS

# MARCH 2023

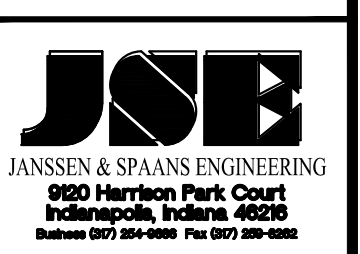
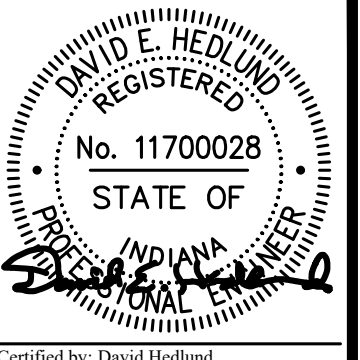


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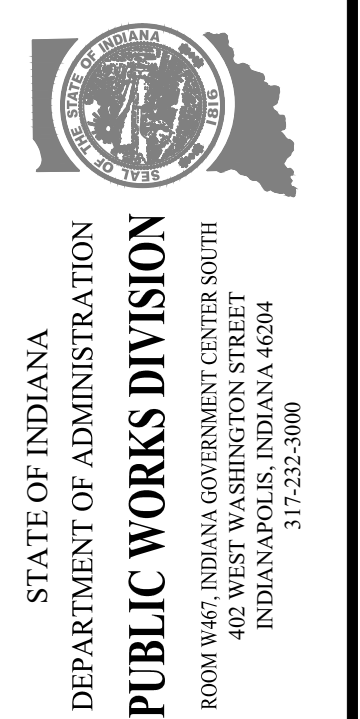
# SHEET INDEX

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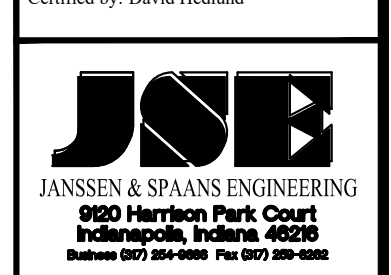
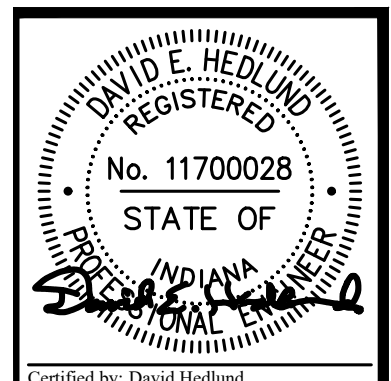
PUBLIC WORKS PROJECT NO. 84003001-22-058-C1  
 CLEAR CREEK WELCOME CENTER  
 WEST TERRA HAUTE, VIGO COUNTY, INDIANA



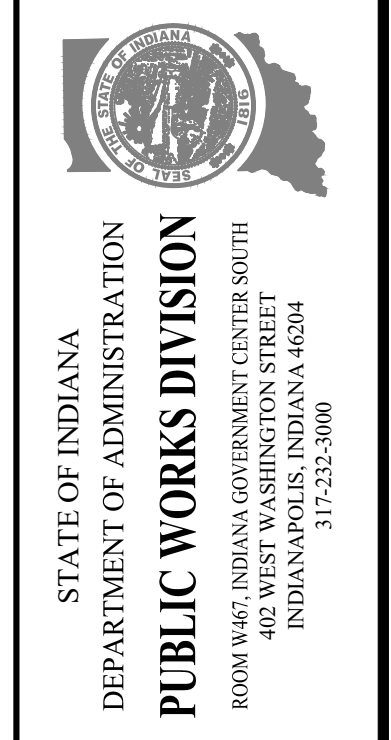
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 Account Number:  
 Designer: DEH Drawing Date: 02/23/2023  
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 Sheet: 2 of 155

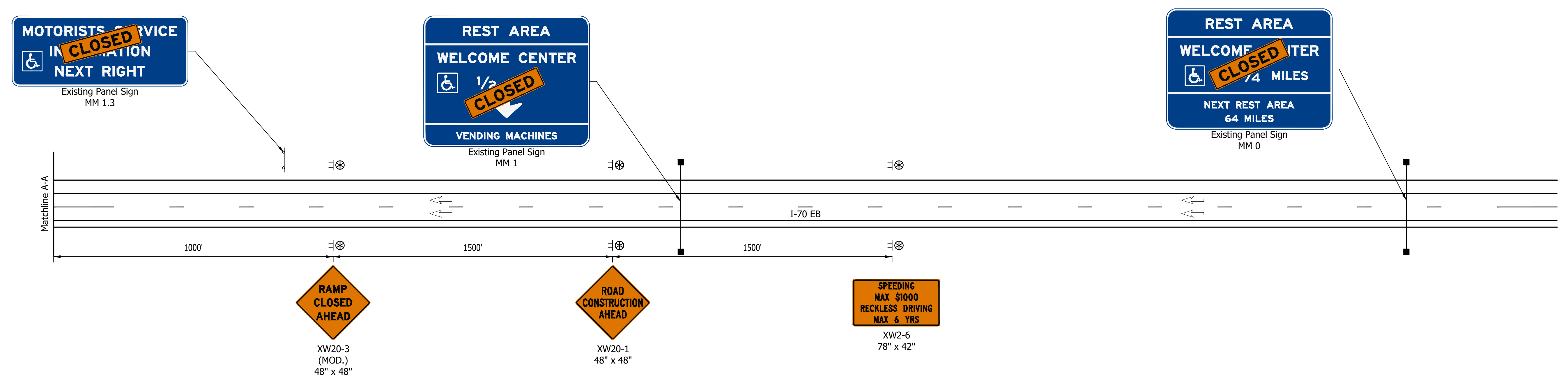
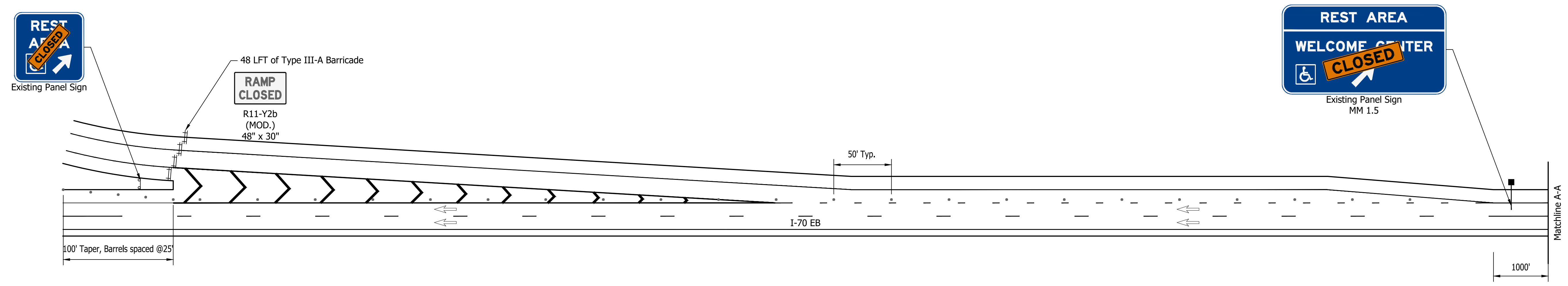
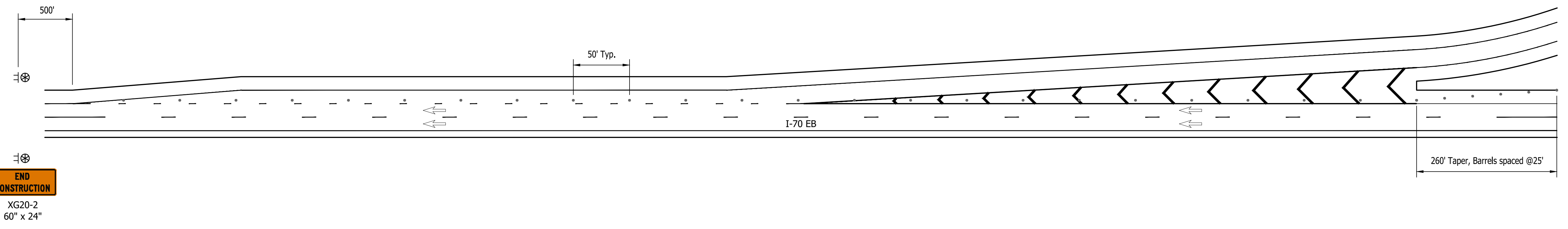
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PUBLIC WORKS PROJECT NO. 84003001-22-058-C1  
 CLEAR CREEK WELCOME CENTER  
 VIGO COUNTY, INDIANA



Revisions:	
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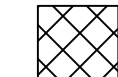
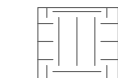
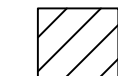
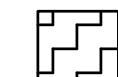

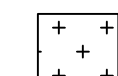
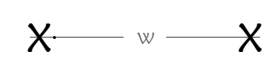
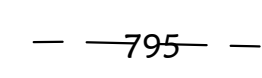



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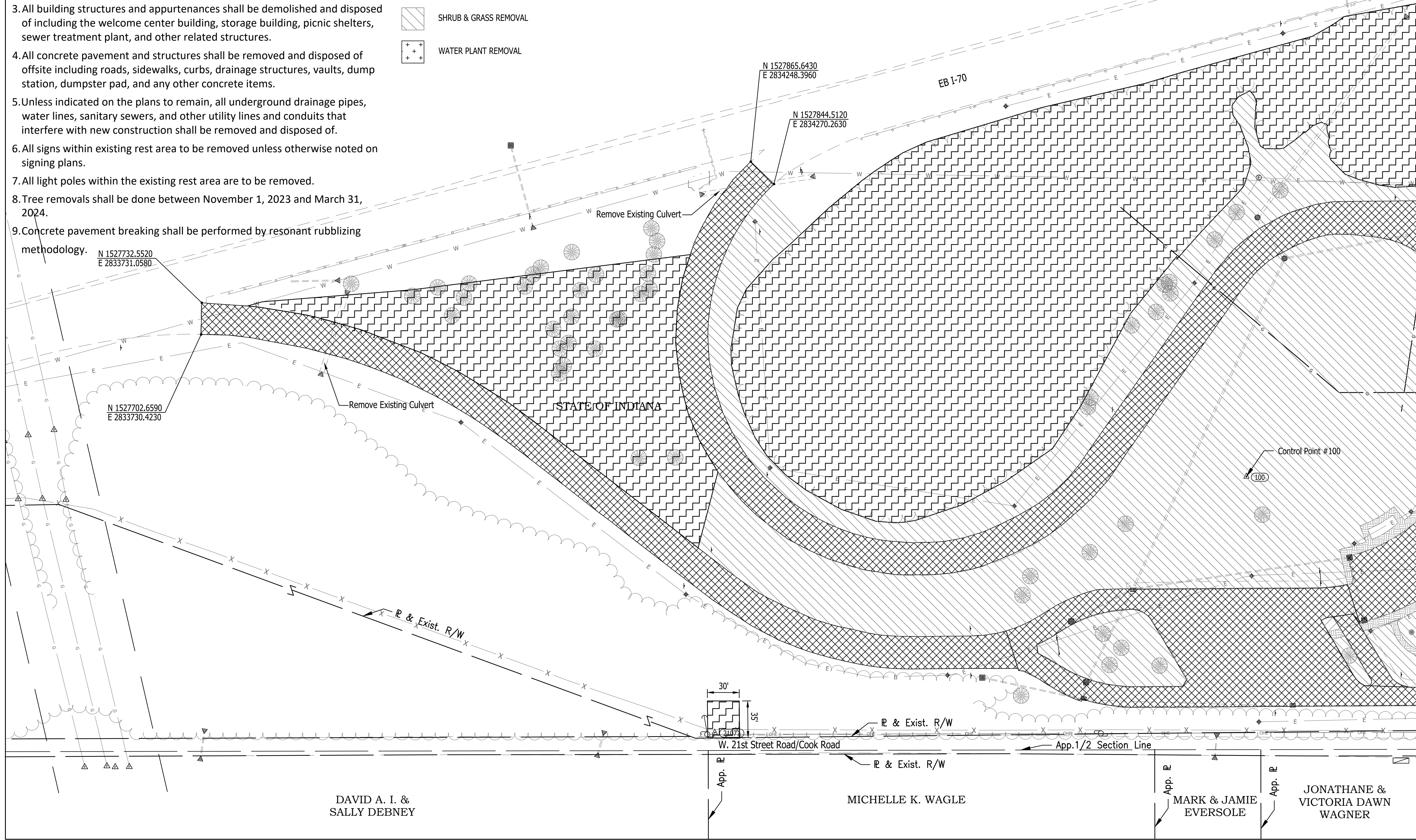
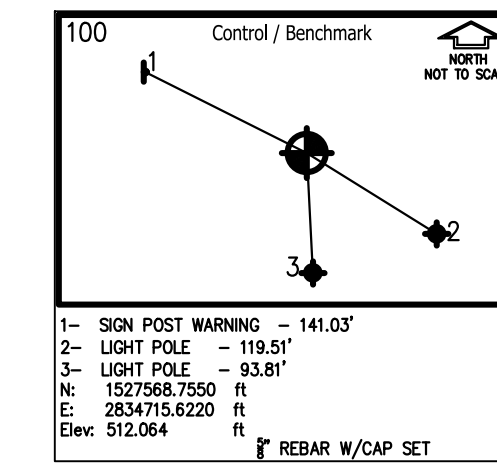
**Demolition Notes**

1. Clearing and grubbing of the site shall be completed in accordance with INDOT Standard Specification 201.
2. Unless otherwise indicated on the plans, all areas covered by vegetation and debris including trees, grass, shrubs, brush, or other plant material shall be scalped and disposed of offsite in accordance with INDOT Standard Specification 201.04 and as recommended in the geotechnical report dated October 11, 2022 by Intertek PSI.
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**LEGEND**

-  PAVEMENT REMOVAL
-  SIDEWALK REMOVAL
-  BUILDING REMOVAL
-  TREE REMOVAL
-  SHRUB & GRASS REMOVAL
-  WATER PLANT REMOVAL
-  UTILITY REMOVAL
-  EXISTING CONTOUR
-  SOIL BORING  
SEE GEOTECHNICAL ENGINEERING STUDY FOR FURTHER EXPLANATION.

SEC. 34 T12N, R10W  
SUGAR CREEK TOWNSHIP  
VIGO COUNTY

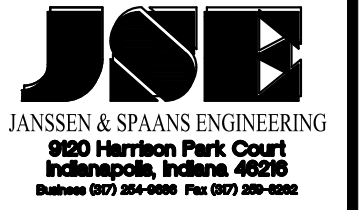
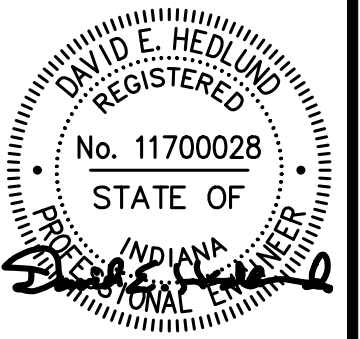
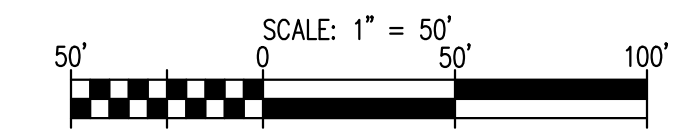


DAVID A. I. &  
SALLY DEBNEY

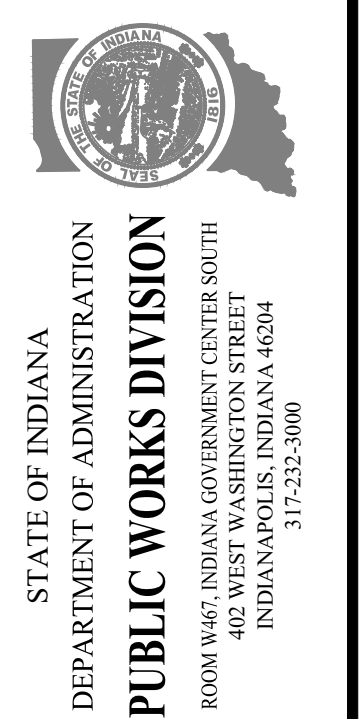
MICHELLE K. WAGLE

MARK & JAMIE  
EVERSOLE

JONATHANE &  
VICTORIA DAWN  
WAGNER



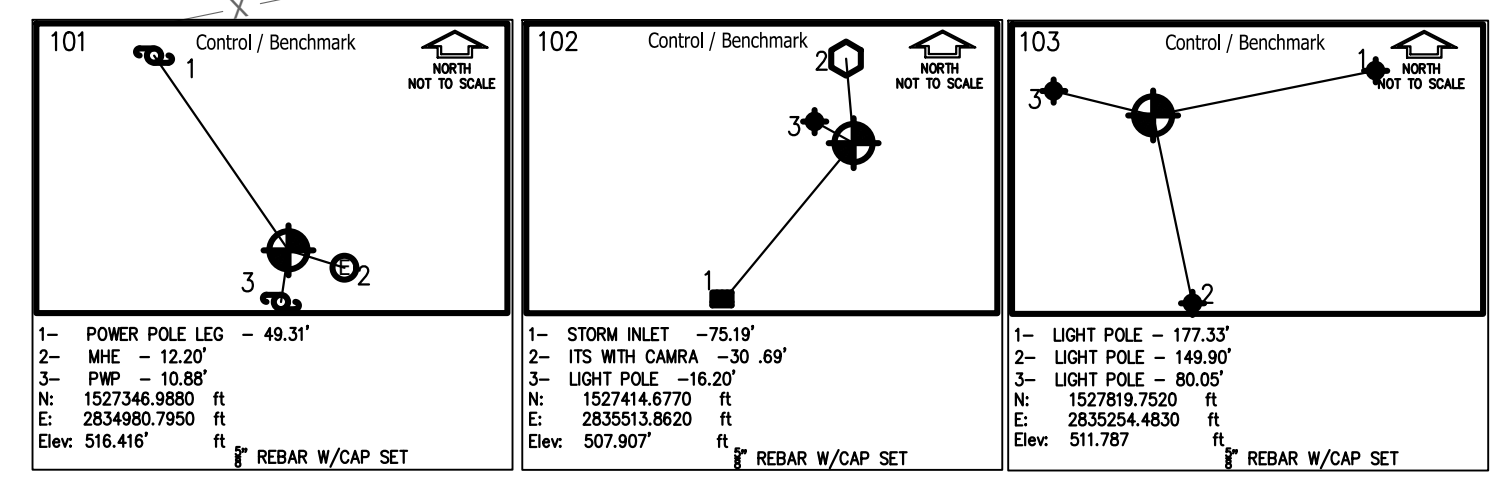
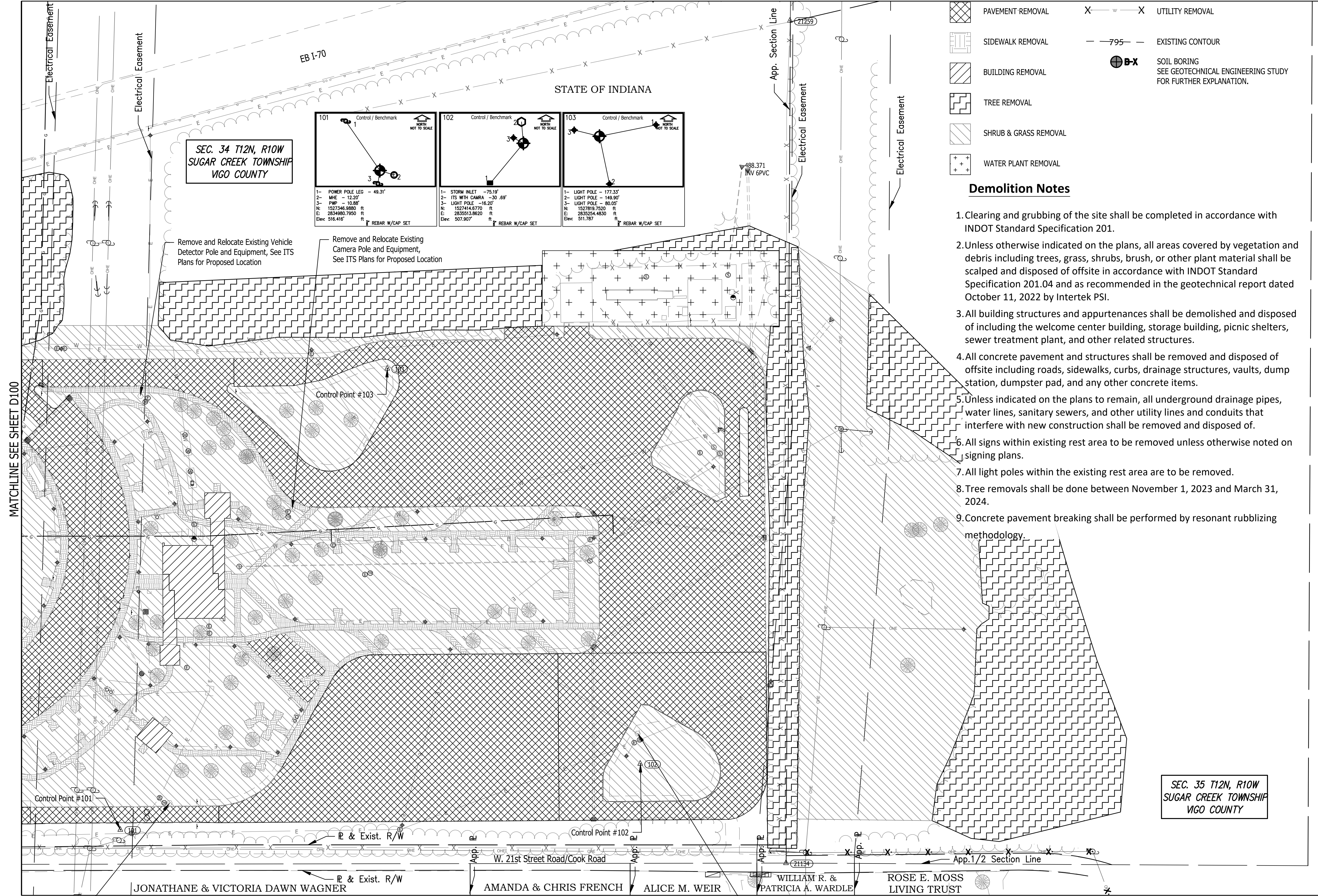
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Drawing Scale:	1"=50'
DAPW Approval:	
Client Approval:	
Reference Number:	1364
Building Reference:	
Drawing Number:	D100
Sheet:	4 of 155

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**SEC. 34 T12N, R10W  
 SUGAR CREEK TOWNSHIP  
 VIGO COUNTY**

Remove and Relocate Existing Vehicle  
 Detector Pole and Equipment, See ITS  
 Plans for Proposed Location

Remove and Relocate Existing  
 Camera Pole and Equipment,  
 See ITS Plans for Proposed Location

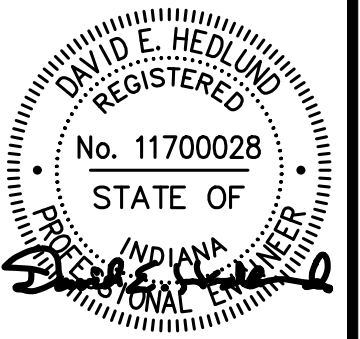
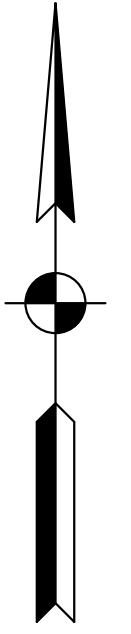
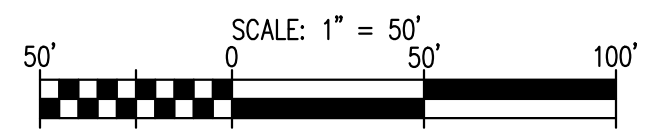
**SEC. 35 T12N, R10W  
 SUGAR CREEK TOWNSHIP  
 VIGO COUNTY**

**LEGEND**

- PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- BUILDING REMOVAL
- TREE REMOVAL
- SHRUB & GRASS REMOVAL
- WATER PLANT REMOVAL
- UTILITY REMOVAL
- EXISTING CONTOUR
- SOIL BORING  
SEE GEOTECHNICAL ENGINEERING STUDY  
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Certified by: David Hedlund  
**JSE**  
 JANSSEN & SPAANS ENGINEERING  
 930 Harrison Park Court  
 Indianapolis, Indiana 46208  
 Phone (317) 252-0000 Fax (317) 252-0000

**RATIO**  
 LANDSCAPE ARCHITECTURE  
 101 S Pennsylvania St.  
 Indianapolis, IN 46204  
 T: 317.238.4688  
 www.ratiodesign.com

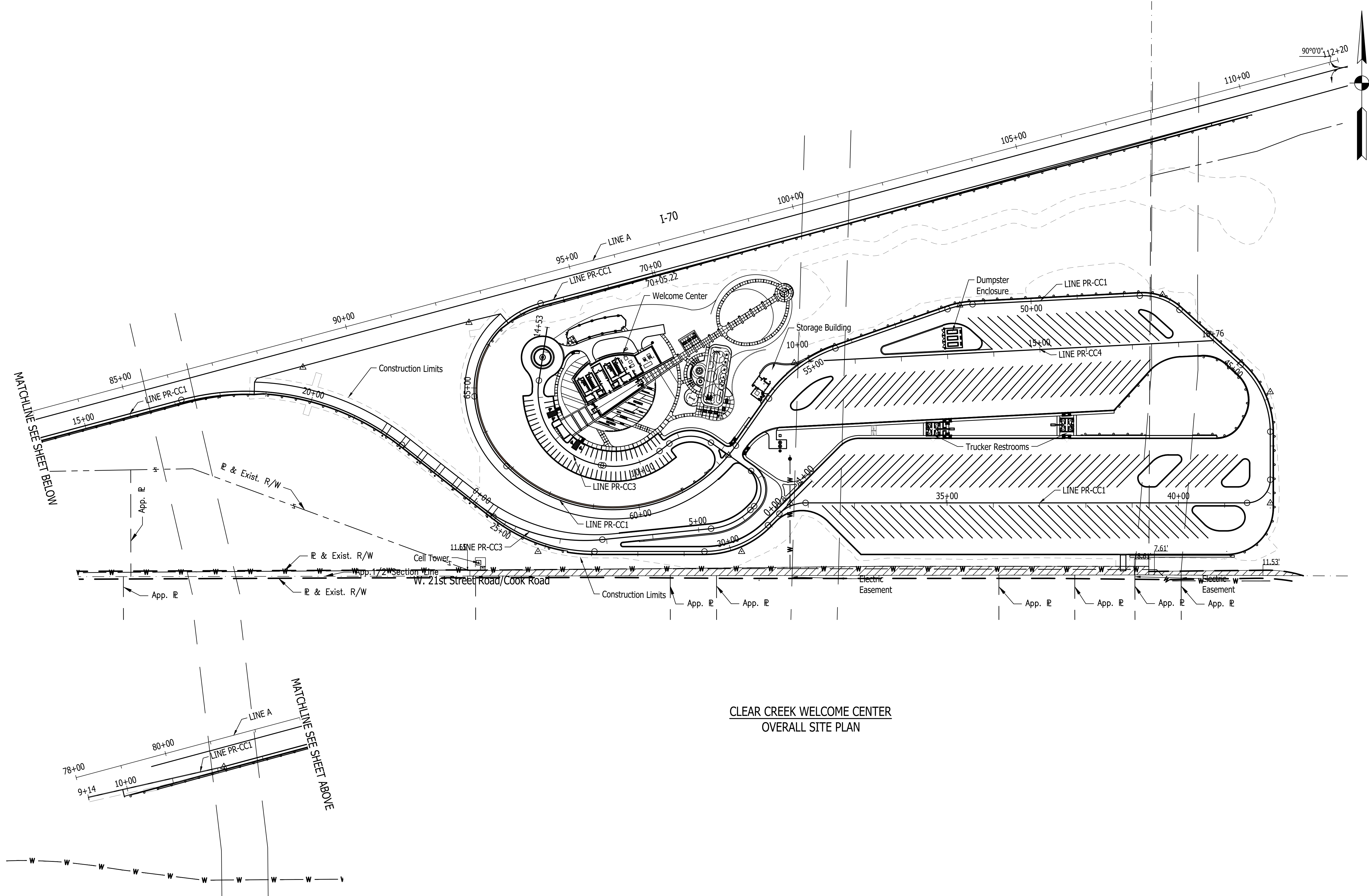
**Applied**  
 Engineering Services

PUBLIC WORKS PROJECT NO. 84003001-22-058-C1  
 CLEAR CREEK WELCOME CENTER  
 VIGO COUNTY, INDIANA

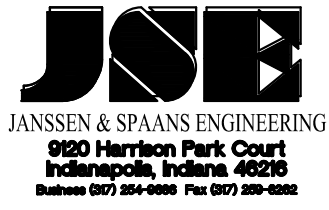
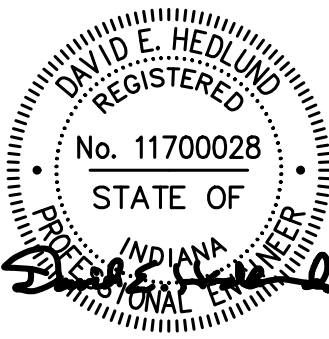
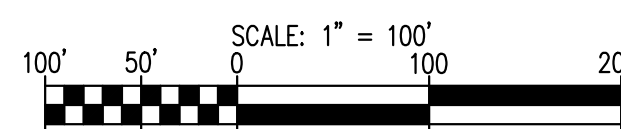
STATE OF INDIANA  
 DEPARTMENT OF ADMINISTRATION  
**PUBLIC WORKS DIVISION**  
 ROOM 3402, INDIANA GOVERNMENT CENTER SOUTH  
 402 WEST WASHINGTON STREET  
 INDIANAPOLIS, INDIANA 46204  
 317-232-3000

Revisions:	
Project Number:	84003001-22-058-C1
Requestion Number:	
Account Number:	
Designer:	DEH
Drawing Date:	02/23/2023
Drafter:	PA
Drawing Scale:	1"=50'
DAPW Approval:	
Client Approval:	
Reference Number:	1364
Building Reference:	
Drawing Number:	D101
Sheet:	5 of 155

List Saved By: mreed Printed: 2/17/23  
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**CLEAR CREEK WELCOME CENTER**  
**OVERALL SITE PLAN**



PUBLIC WORKS PROJECT NO. 84003001-22-058-C1  
 CLEAR CREEK WELCOME CENTER  
 VIGO COUNTY, INDIANA



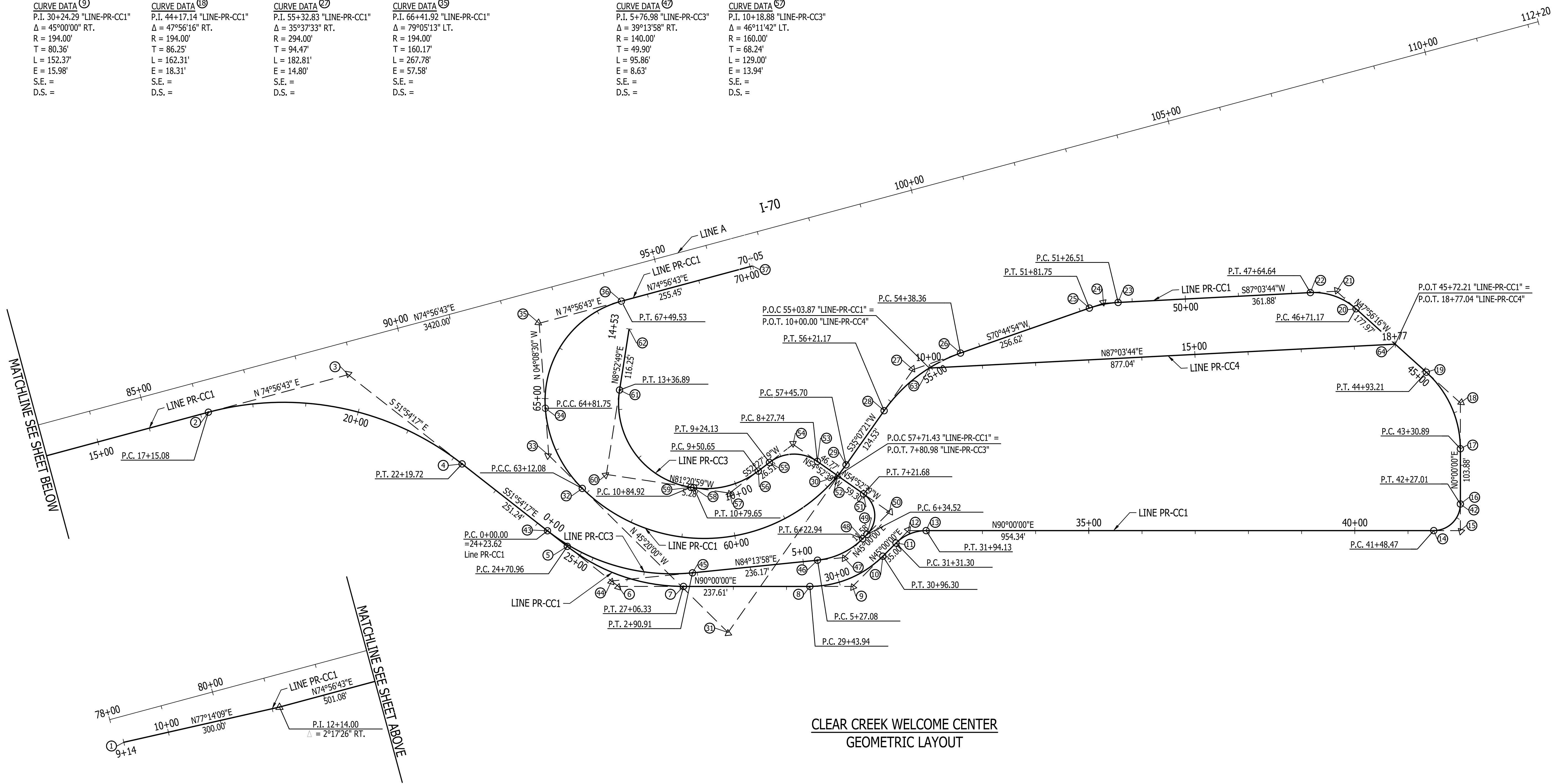
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 DEPARTMENT OF ADMINISTRATION  
**PUBLIC WORKS DIVISION**  
 ROOM 9407, INDIANA GOVERNMENT CENTER SOUTH  
 402 WEST WASHINGTON STREET  
 INDIANAPOLIS, INDIANA 46204  
 317-232-3000

Revisions:	
Project Number:	84003001-22-058-C1
Requisition Number:	
Account Number:	
Designer:	DEH
Drawing Date:	02/23/2023
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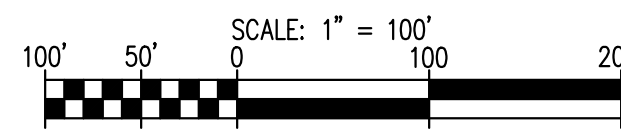
<b>CURVE DATA ③</b> P.I. 19+87.20 "LINE-PR-CC1" Δ = 53°09'00" LT. R = 544.00' T = 272.12' L = 504.64' E = 64.26' S.E. = D.S. =	<b>CURVE DATA ⑫</b> P.I. 31+64.44 "LINE-PR-CC1" Δ = 45°00'00" RT. R = 80.00' T = 33.14' L = 62.83' E = 6.59' S.E. = D.S. =	<b>CURVE DATA ⑫</b> P.I. 47+20.46 "LINE-PR-CC1" Δ = 45°00'00" RT. R = 119.00' T = 49.29' L = 93.46' E = 9.80' S.E. = D.S. =	<b>CURVE DATA ⑬</b> P.I. 61+31.09 "LINE-PR-CC1" Δ = 99°32'39" LT. R = 326.00' T = 385.39' L = 566.38' E = 178.78' S.E. = D.S. =	<b>CURVE DATA ⑭</b> P.I. 6+93.98 "LINE-PR-CC3" Δ = 99°52'39" RT. R = 50.00' T = 59.46' L = 87.16' E = 27.69' S.E. = D.S. =	<b>CURVE DATA ⑮</b> P.I. 12+45.57 "LINE-PR-CC3" Δ = 90°13'48" LT. R = 160.00' T = 160.64' L = 251.97' E = 66.73' S.E. = D.S. =
--	--	---	---	--	--

<b>CURVE DATA ⑯</b> P.I. 25+93.18 "LINE-PR-CC1" Δ = 38°05'43" RT. R = 354.00' T = 122.22' L = 235.37' E = 20.51' S.E. = D.S. =	<b>CURVE DATA ⑰</b> P.I. 41+98.47 "LINE-PR-CC1" Δ = 90°00'00" RT. R = 50.00' T = 50.00' L = 78.54' E = 20.71' S.E. = D.S. =	<b>CURVE DATA ⑱</b> P.I. 51+54.32 "LINE-PR-CC1" Δ = 16°18'50" RT. R = 194.00' T = 27.81' L = 55.24' E = 1.98' S.E. = D.S. =	<b>CURVE DATA ⑲</b> P.I. 64+00.77 "LINE-PR-CC1" Δ = 41°11'30" LT. R = 236.00' T = 88.69' L = 169.67' E = 16.11' S.E. = D.S. =	<b>CURVE DATA ⑳</b> P.I. 1+53.00 "LINE-PR-CC3" Δ = 43°51'45" RT. R = 380.00' T = 153.00' L = 290.91' E = 29.64' S.E. = D.S. =	<b>CURVE DATA ㉑</b> P.I. 8+83.64 "LINE-PR-CC3" Δ = 72°40'02" RT. R = 76.00' T = 55.90' L = 96.39' E = 18.34' S.E. = D.S. =
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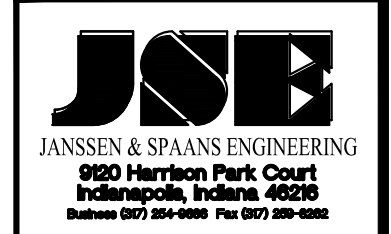
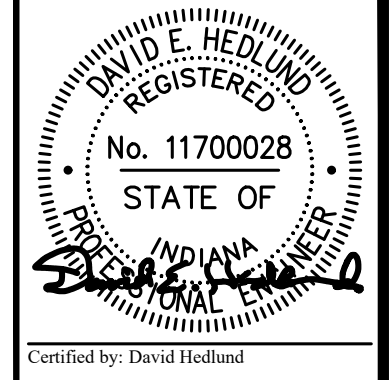
<b>CURVE DATA ㉒</b> P.I. 30+24.29 "LINE-PR-CC1" Δ = 45°00'00" RT. R = 194.00' T = 80.36' L = 152.37' E = 15.98' S.E. = D.S. =	<b>CURVE DATA ㉓</b> P.I. 44+17.14 "LINE-PR-CC1" Δ = 47°56'16" RT. R = 194.00' T = 86.25' L = 162.31' E = 18.31' S.E. = D.S. =	<b>CURVE DATA ㉔</b> P.I. 55+32.83 "LINE-PR-CC1" Δ = 35°37'33" RT. R = 294.00' T = 94.47' L = 182.81' E = 14.80' S.E. = D.S. =	<b>CURVE DATA ㉕</b> P.I. 66+41.92 "LINE-PR-CC1" Δ = 79°05'13" LT. R = 194.00' T = 160.17' L = 267.78' E = 57.58' S.E. = D.S. =	<b>CURVE DATA ㉖</b> P.I. 5+76.98 "LINE-PR-CC3" Δ = 39°13'58" RT. R = 140.00' T = 49.90' L = 95.86' E = 8.63' S.E. = D.S. =	<b>CURVE DATA ㉗</b> P.I. 10+18.88 "LINE-PR-CC3" Δ = 46°11'42" LT. R = 160.00' T = 68.24' L = 129.00' E = 13.94' S.E. = D.S. =
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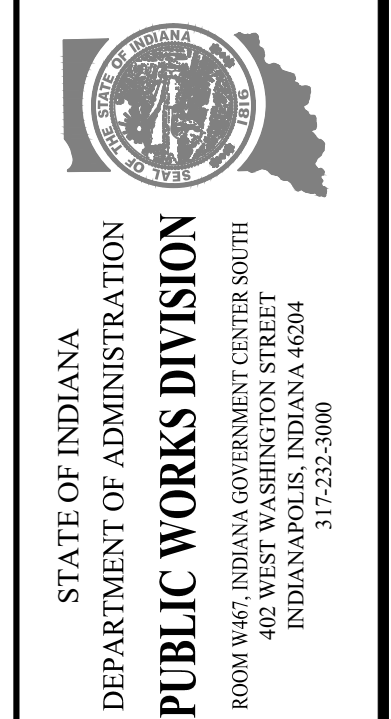
**CLEAR CREEK WELCOME CENTER  
GEOMETRIC LAYOUT**



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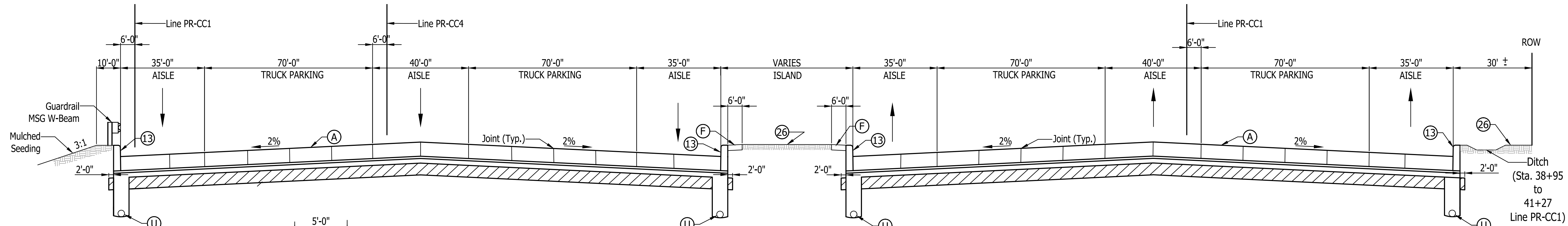
PUBLIC WORKS PROJECT NO. 84003001-22-058-C1  
 CLEAR CREEK WELCOME CENTER  
 VIGO COUNTY, INDIANA



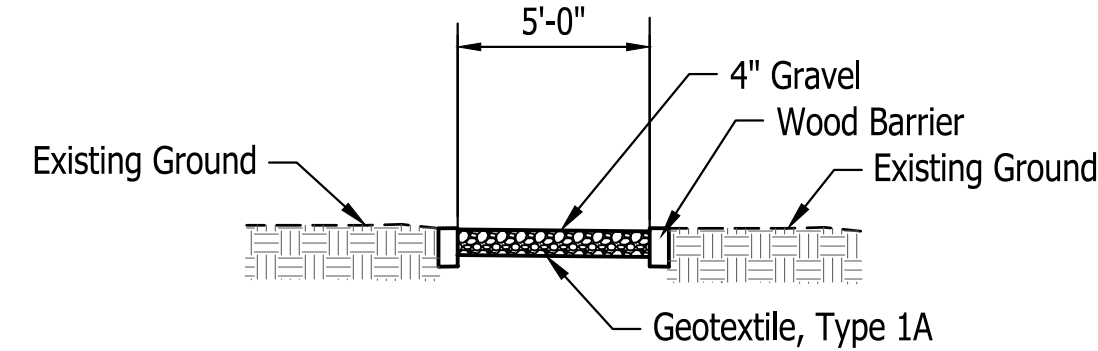
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Requisition Number:	
Account Number:	
Designer:	DEH
Drawing Date:	02/23/2023
Drafter:	MDR
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Client Approval:	
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Building Reference:	
Drawing Number:	C101
Sheet:	7 of 155







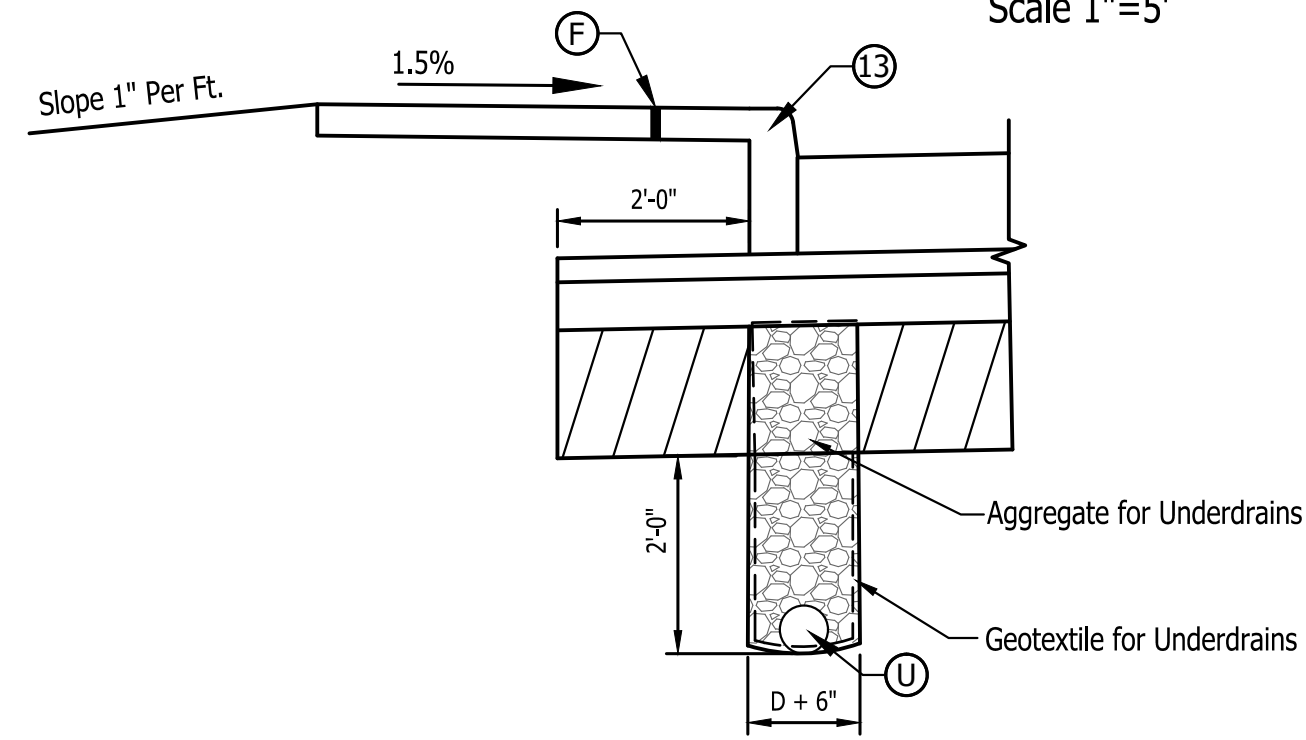
**Typical Section Truck Parking**  
Truck Parking  
NOT TO SCALE



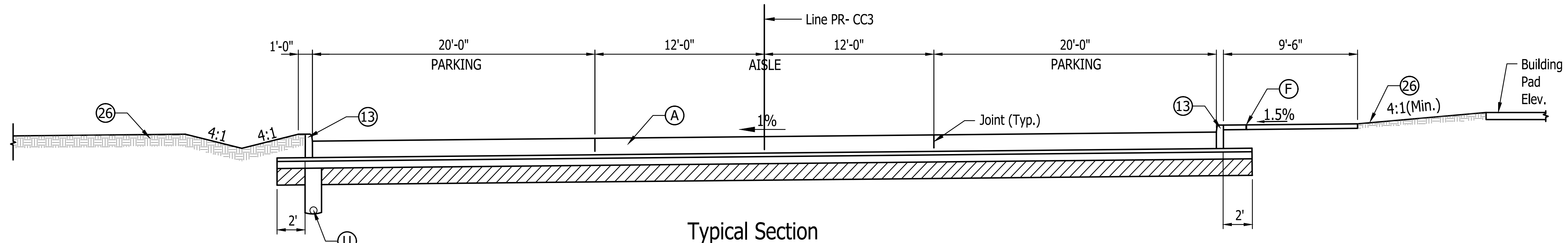
**Typical Section Walking Path**  
Scale 1"=5'

**Legend**

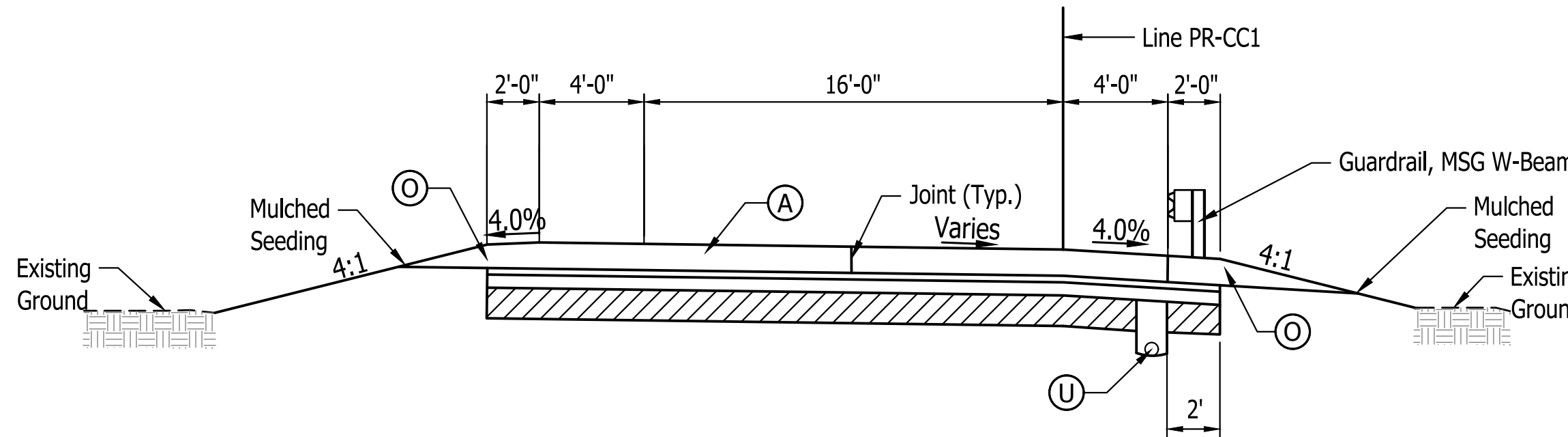
- (A) QC/QA - PCCP, 12 Inches with 300 lb/yd QC/QA - HMA, 4,76, Intermediate, OG 19.0 mm, on 6" of Compacted Aggregate No.53, on Geotextile For Pavement, Type 2B, on Subgrade Treatment, Type 1BC (14" of Chemical Soil Modification with Cement)
- (U) Compacted Aggregate, No.53
- (13) 6" Underdrain
- (13) Curb, Integral Concrete
- (26) Sodding
- (F) Sidewalk, Concrete, 4"



**Underdrain Detail at Sidewalk**  
Scale 1/2"=1'-0"

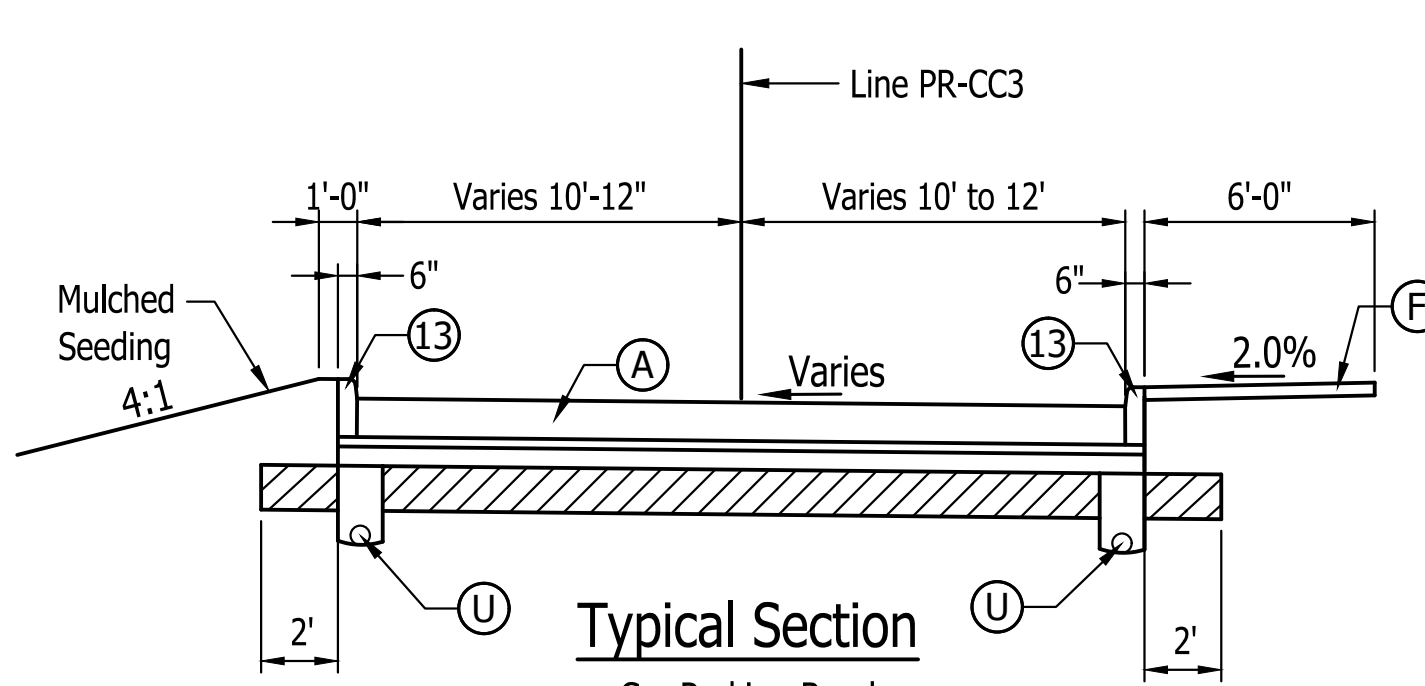


**Typical Section Car Parking Lot**



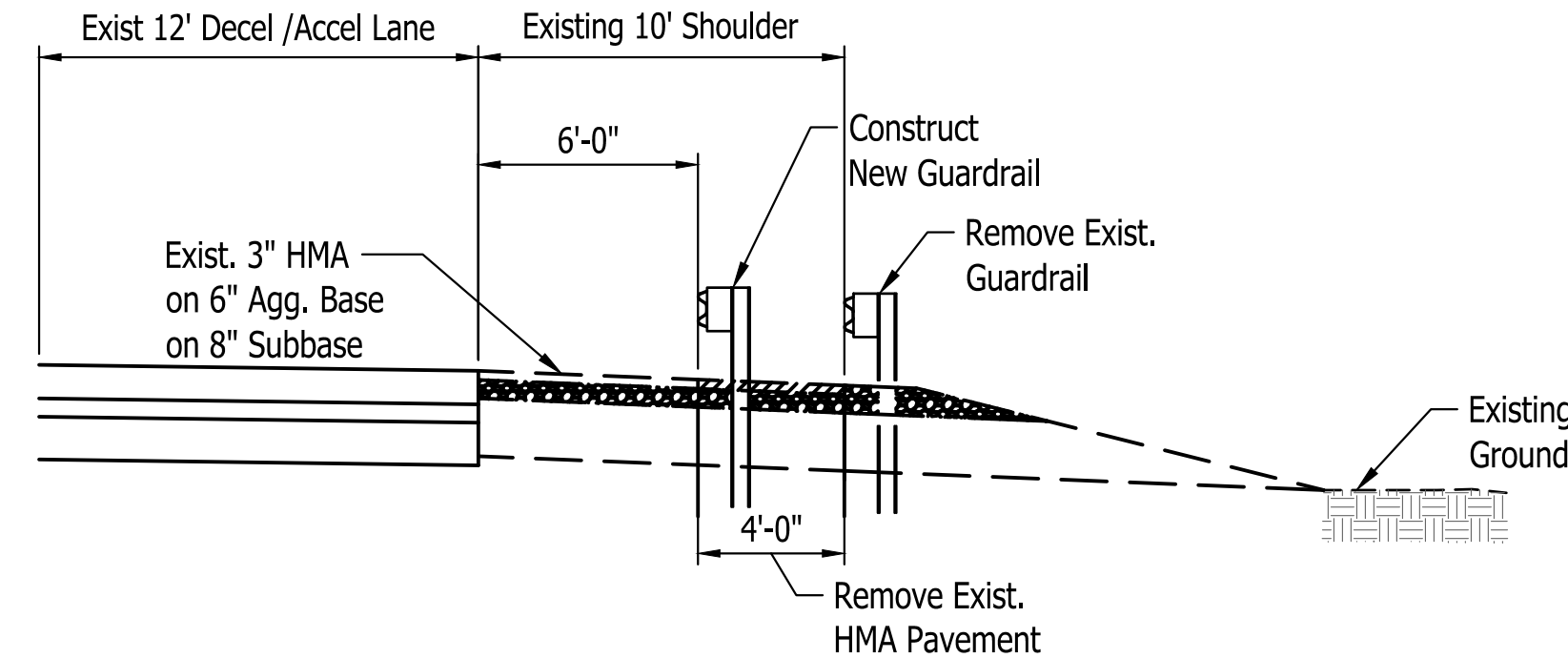
**Typical Section Entrance Ramp**

Ramp PCCP With Shoulders  
Scale 1"=5'



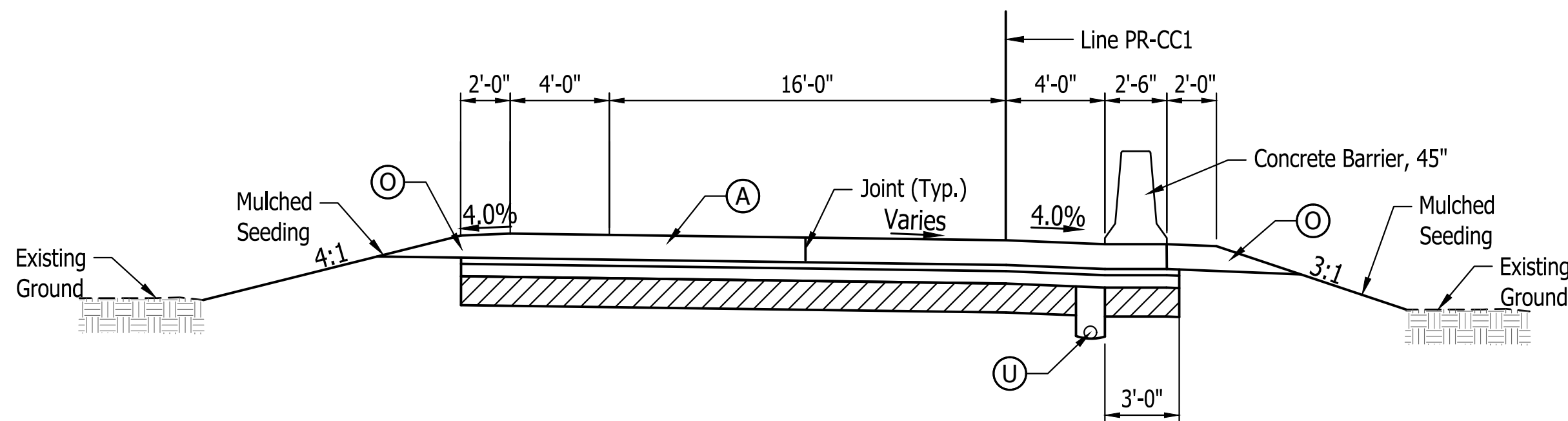
**Typical Section Car Parking Road**

Scale 1"=5'



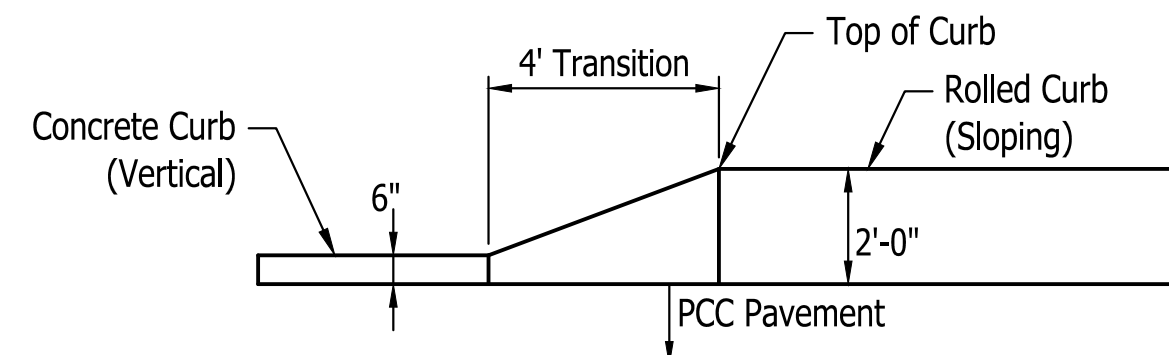
**Typical Section I-70 Shoulder Reduction**

Scale 1"=5'



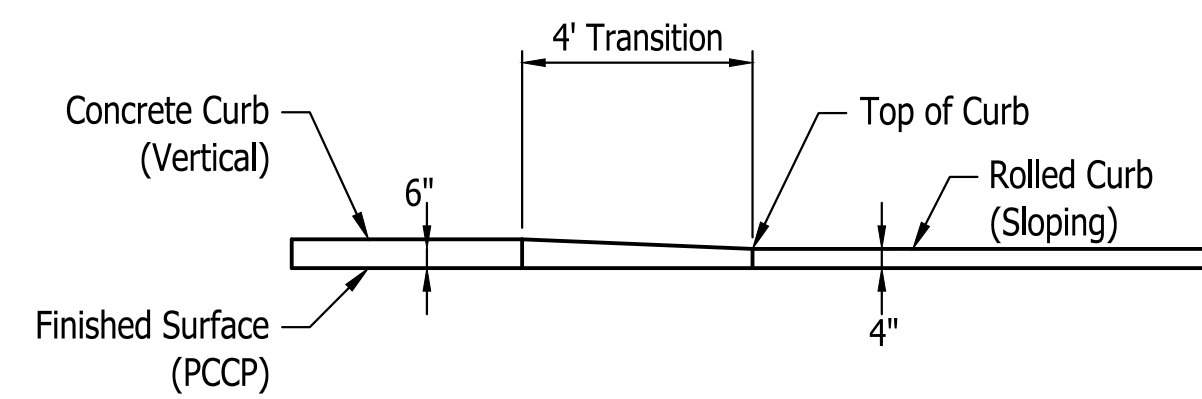
**Typical Section Exit Ramp**

Ramp PCCP With Shoulders  
Scale 1"=5'



**Curb Transition Detail - Plan View**

Vertical Curb to Rolled Curb  
Scale: None

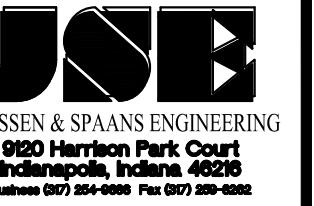


**Curb Transition Detail - Elevation View**

Vertical Curb to Rolled Curb  
Scale: None

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Certified by: David Hodlund



LANDSCAPE ARCHITECTURE  
101 S Pennsylvania St.  
Indianapolis, IN 46204  
T: 317.238.4688  
www.ratiolandscape.com

PUBLIC WORKS PROJECT NO. 84003001-22-058-C1  
CLEAR CREEK WELCOME CENTER  
VIGO COUNTY, INDIANA



STATE OF INDIANA  
DEPARTMENT OF ADMINISTRATION  
PUBLIC WORKS DIVISION  
ROOM 9407, INDIANA GOVERNMENT CENTER SOUTH  
402 WEST WASHINGTON STREET  
INDIANAPOLIS, INDIANA 46204  
317-232-3000

Revisions:

Project Number: 84003001-22-058-C1  
Requestion Number:

Account Number:

Designer: DEH Drawing Date: 02/23/2023

Drafter: MDR Drawing Scale: AS NOTED

DAPW Approval:

Client Approval:

Reference Number: 1364

Building Reference:

Drawing Number: C103

Sheet: 9 of 155

Begin Guardrail for 6' shoulder at match point on taper

78+00 80+00 85+00

9+14 10+00 15+00

Existing Guardrail

SEC. 34 T12N, R01W  
SUGAR CREEK TOWNSHIP  
VIGO COUNTY  
STATE OF INDIANA

Notes:

- 1. See Cell Tower details on Sht. C126
- 2. See Catch Fence details on Sht. C129

LEGEND

- (A) 12 Inch, QC/QA PCCP
- (F) Sidewalk, Concrete, 4"
- (F1) Utility Sidewalk, Concrete
- (P) 4 Inch, PCCP
- (R) Mill And Resurface
- (S) Joints in PCCP, Saw and Seal
- T.C. = Top of Curb
- F.P. = Finished Pavement
- (10) MGS, Guardrail
- (13) Integral Concrete Curb (Vertical)
- (14) Concrete Curb, Modified
- (15) Concrete Curb, Turnout
- (16) Concrete Curb, Notched
- (17) Rolled Curb
- (26) Sodding
- (27) Chain Link Fence
- (28) Concrete Barrier, 45"
- (#) Concrete Curb Ramp
- (29) Concrete Barrier W/ Catch Fence
- (30) Gravel Walking Path
- (31) Cell Tower
- (32) 8" PCCP on 4" Comp. Agg. Base #53
- (33) Impact Attenuator (Quadguard II, 24")
- (34) Wheel Stop
- (35) C.L. Gate
- (36) 15' x 8' Water Vault

MATCHLINE SEE ABOVE

MATCHLINE SEE SHEET C108

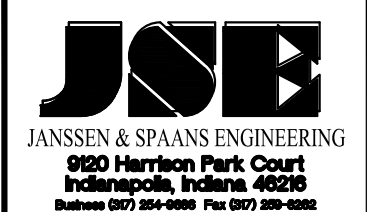
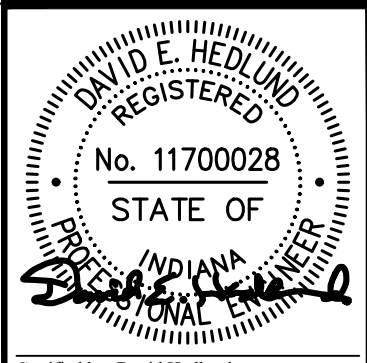
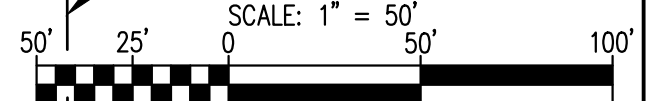
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DAVID A. I. &  
SALLY DEBNEY

MICHELLE K. WAGLE

MARK & JAMIE  
EVERSOLE

JONATHANE &  
VICTORIA DAWN  
WAGNER



PUBLIC WORKS PROJECT NO. 84003001-22-058-C1  
CLEAR CREEK WELCOME CENTER  
VIGO COUNTY, INDIANA

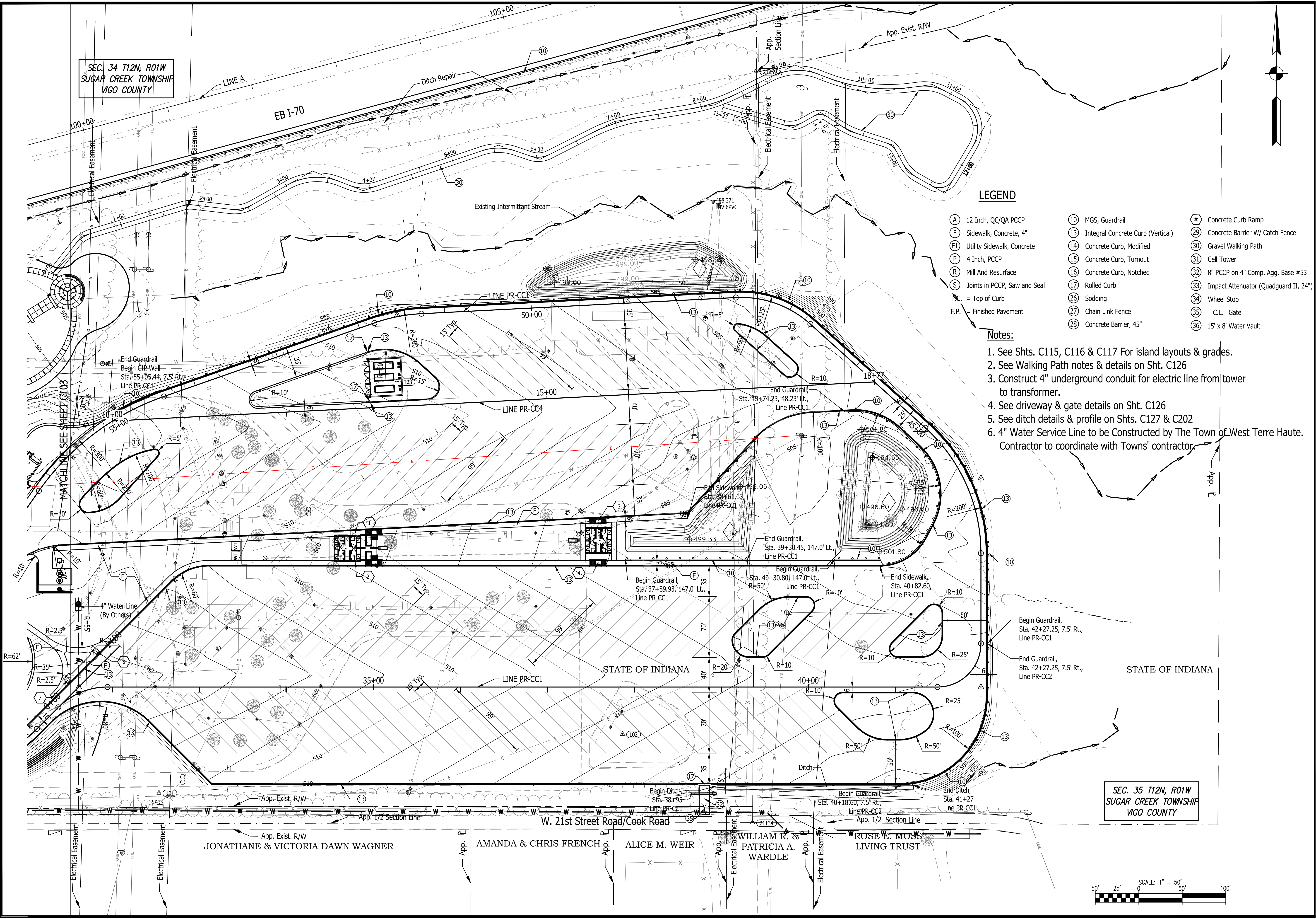


STATE OF INDIANA  
DEPARTMENT OF ADMINISTRATION  
PUBLIC WORKS DIVISION  
ROOM 3407, INDIANA GOVERNMENT CENTER SOUTH  
402 WEST WASHINGTON STREET  
INDIANAPOLIS, INDIANA 46204  
317-232-3000

Revisions:
Project Number: 84003001-22-058-C1
Requisition Number:
Account Number:
Designer: DEH Drawing Date: 02/23/2023
Drafter: MDR Drawing Scale: 1"=50'
DAPW Approval:
Client Approval:
Reference Number: 1364
Building Reference:
Drawing Number: C104
Sheet: 10 of 155

SEC. 34 T12N, R01W  
SUGAR CREEK TOWNSHIP  
VIGO COUNTY

SEC. 35 T12N, R01W  
SUGAR CREEK TOWNSHIP  
VIGO COUNTY



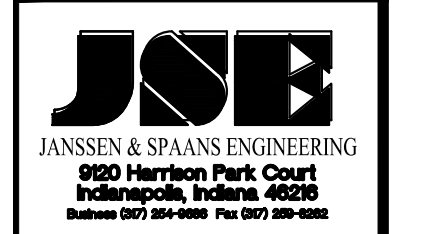
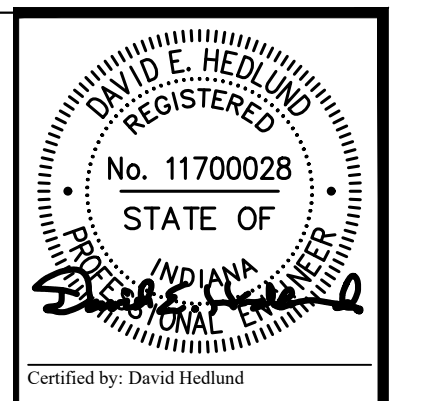
**LEGEND**

- |                                  |  |  |
|----------------------------------|--|--|
| (A) 12 Inch, QC/QA PCCP          | (10) MGS, Guardrail                    | (#) Concrete Curb Ramp                     |
| (F) Sidewalk, Concrete, 4"       | (13) Integral Concrete Curb (Vertical) | (29) Concrete Barrier W/ Catch Fence       |
| (FI) Utility Sidewalk, Concrete  | (14) Concrete Curb, Modified           | (30) Gravel Walking Path                   |
| (P) 4 Inch, PCPP                 | (15) Concrete Curb, Turnout            | (31) Cell Tower                            |
| (R) Mill And Resurface           | (16) Concrete Curb, Notched            | (32) 8" PCCP on 4" Comp. Agg. Base #53     |
| (S) Joints in PCCP, Saw and Seal | (17) Rolled Curb                       | (33) Impact Attenuator (Quadguard II, 24") |
| TC = Top of Curb                 | (26) Sodding                           | (34) Wheel Stop                            |
| F.P. = Finished Pavement         | (27) Chain Link Fence                  | (35) C.L. Gate                             |
|                                  | (28) Concrete Barrier, 45"             | (36) 15' x 8' Water Vault                  |

**Notes:**

1. See Shts. C115, C116 & C117 For island layouts & grades.
2. See Walking Path notes & details on Sht. C126
3. Construct 4" underground conduit for electric line from tower to transformer.
4. See driveway & gate details on Sht. C126
5. See ditch details & profile on Shts. C127 & C202
6. 4" Water Service Line to be Constructed by The Town of West Terre Haute. Contractor to coordinate with Towns' contractor.

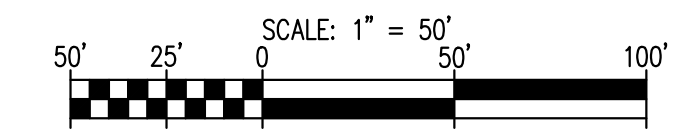
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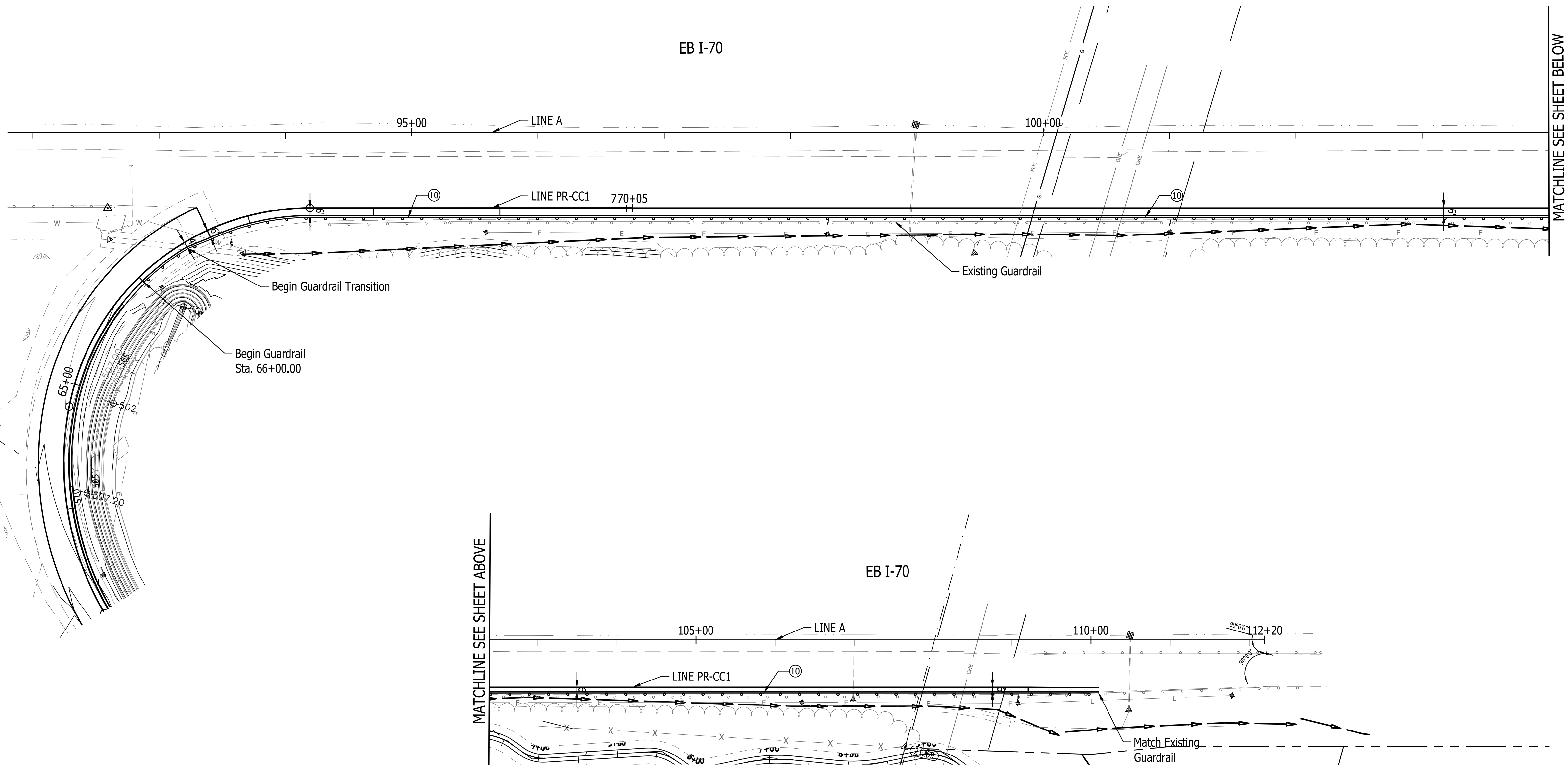
PUBLIC WORKS PROJECT NO. 84003001-22-058-C1  
 CLEAR CREEK WELCOME CENTER  
 VIGO COUNTY, INDIANA

STATE OF INDIANA  
 DEPARTMENT OF ADMINISTRATION  
**PUBLIC WORKS DIVISION**  
 ROOM 9407, INDIANA GOVERNMENT CENTER SOUTH  
 402 WEST WASHINGTON STREET  
 INDIANAPOLIS, INDIANA 46204  
 317-232-3000

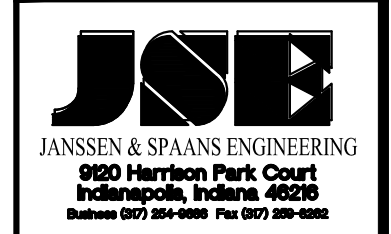
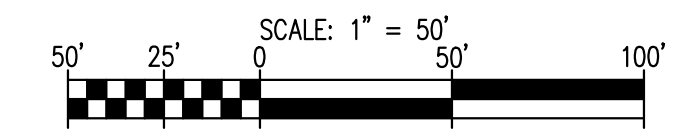
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Sheet:	11 of 155



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I-70 Shoulder Reduction & Guardrail Replacement

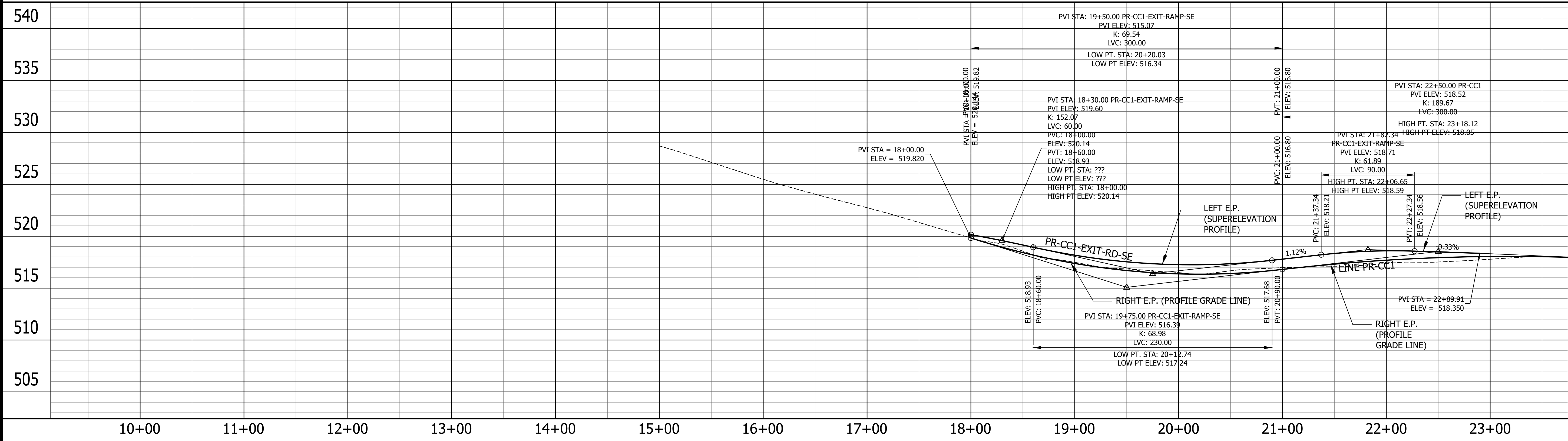


PUBLIC WORKS PROJECT NO. 84003001-22-058-C1  
 CLEAR CREEK WELCOME CENTER  
 VIGO COUNTY, INDIANA



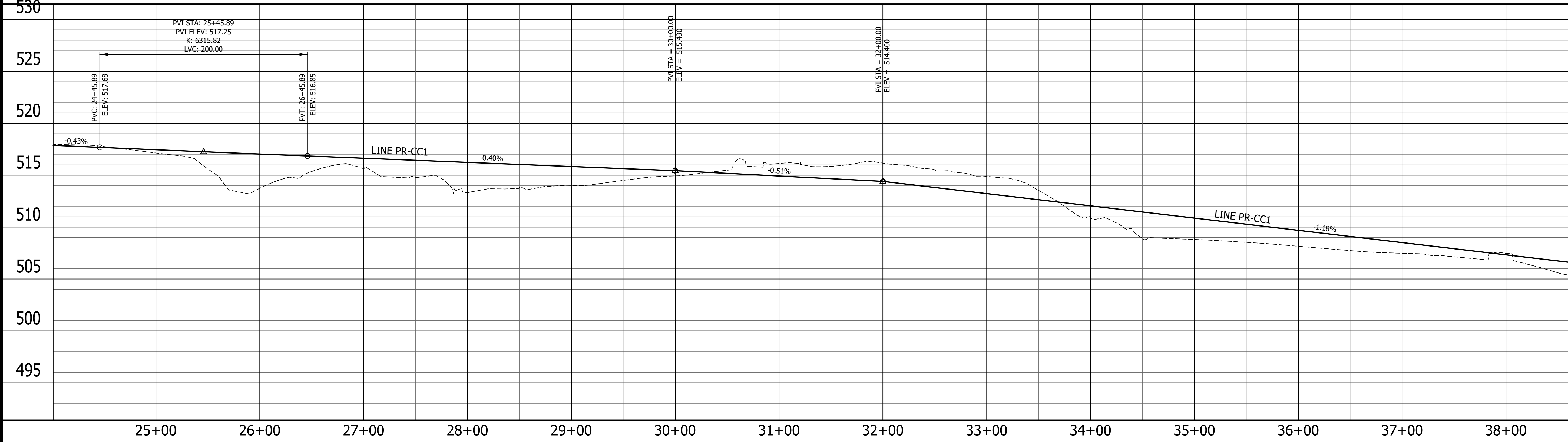
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Requisition Number:	
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Drawing Number:	C106
Sheet:	12 of 155

LINE-PR-CC1

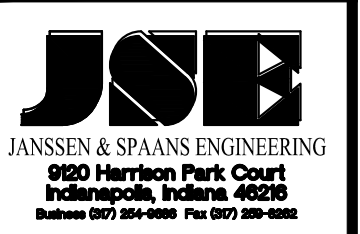
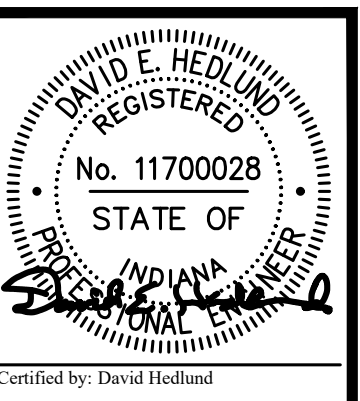


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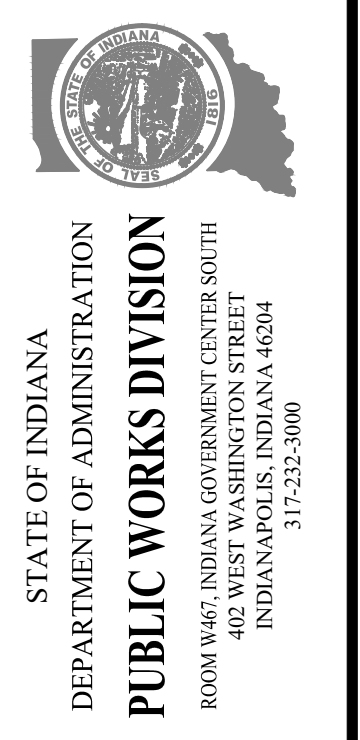
LINE-PR-CC1



25+00	26+00	27+00	28+00	29+00	30+00	31+00	32+00	33+00	34+00	35+00	36+00	37+00	38+00
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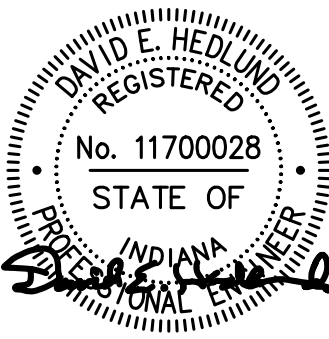


PUBLIC WORKS PROJECT NO. 84003001-22-058-C1  
 CLEAR CREEK WELCOME CENTER  
 VIGO COUNTY, INDIANA

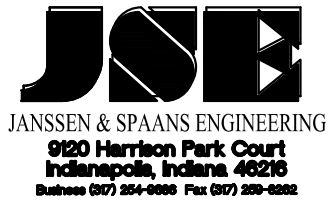


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Requestion Number:	
Account Number:	
Designer:	DEH
Drawing Date:	02/23/2023
Drafter:	MDR
Drawing Scale:	1"=50'
DAPW Approval:	
Client Approval:	
Reference Number:	1364
Building Reference:	
Drawing Number:	C107
Sheet:	13 of 155

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Certified by: David Hedlund



PUBLIC WORKS PROJECT NO. 84003001-22-058-C1  
CLEAR CREEK WELCOME CENTER  
VIGO COUNTY, INDIANA



STATE OF INDIANA  
DEPARTMENT OF ADMINISTRATION  
PUBLIC WORKS DIVISION  
ROOM 9407, INDIANA GOVERNMENT CENTER SOUTH  
402 WEST WASHINGTON STREET  
INDIANAPOLIS, INDIANA 46204  
317-232-3000

Revisions:

Project Number: 84003001-22-058-C1  
Requestion Number:

Account Number:

Designer: DEH Drawing Date: 02/23/2023  
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DAPW Approval:

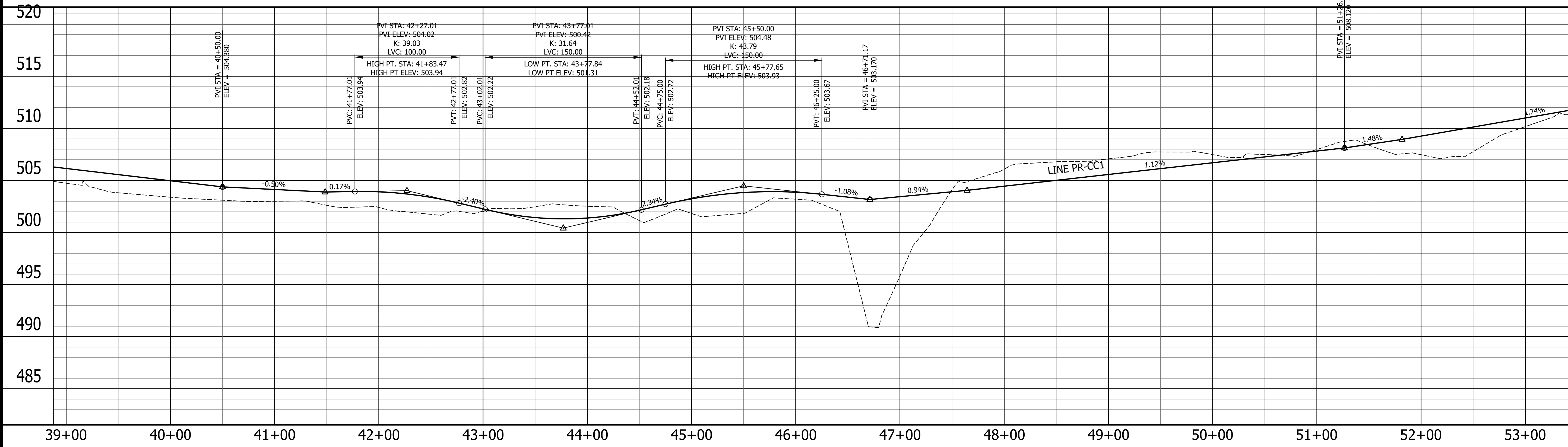
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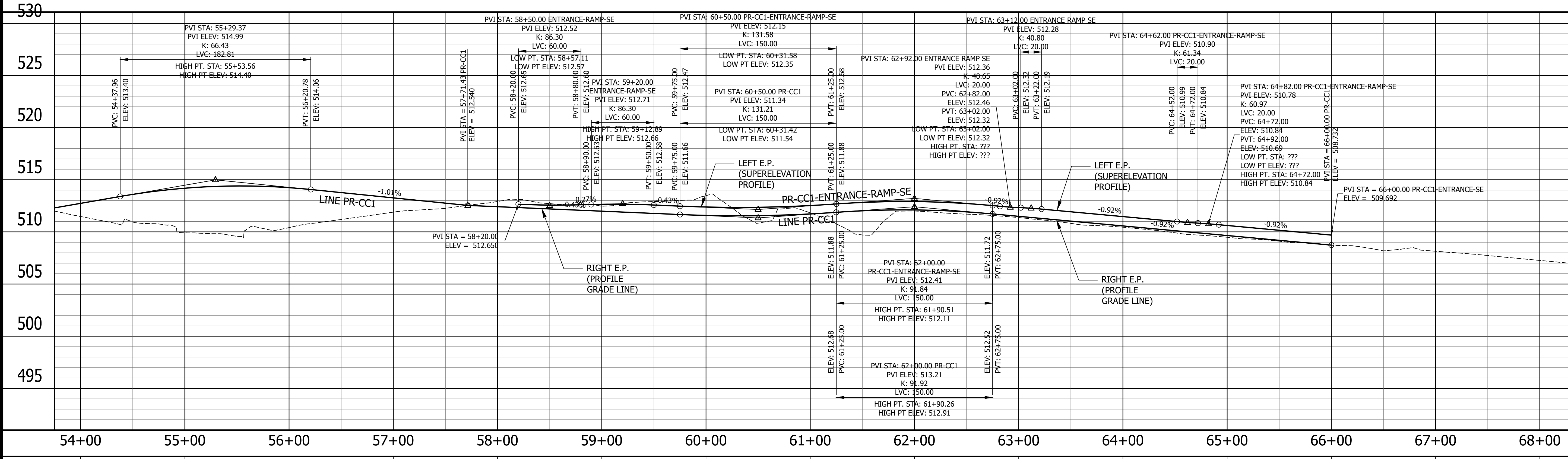
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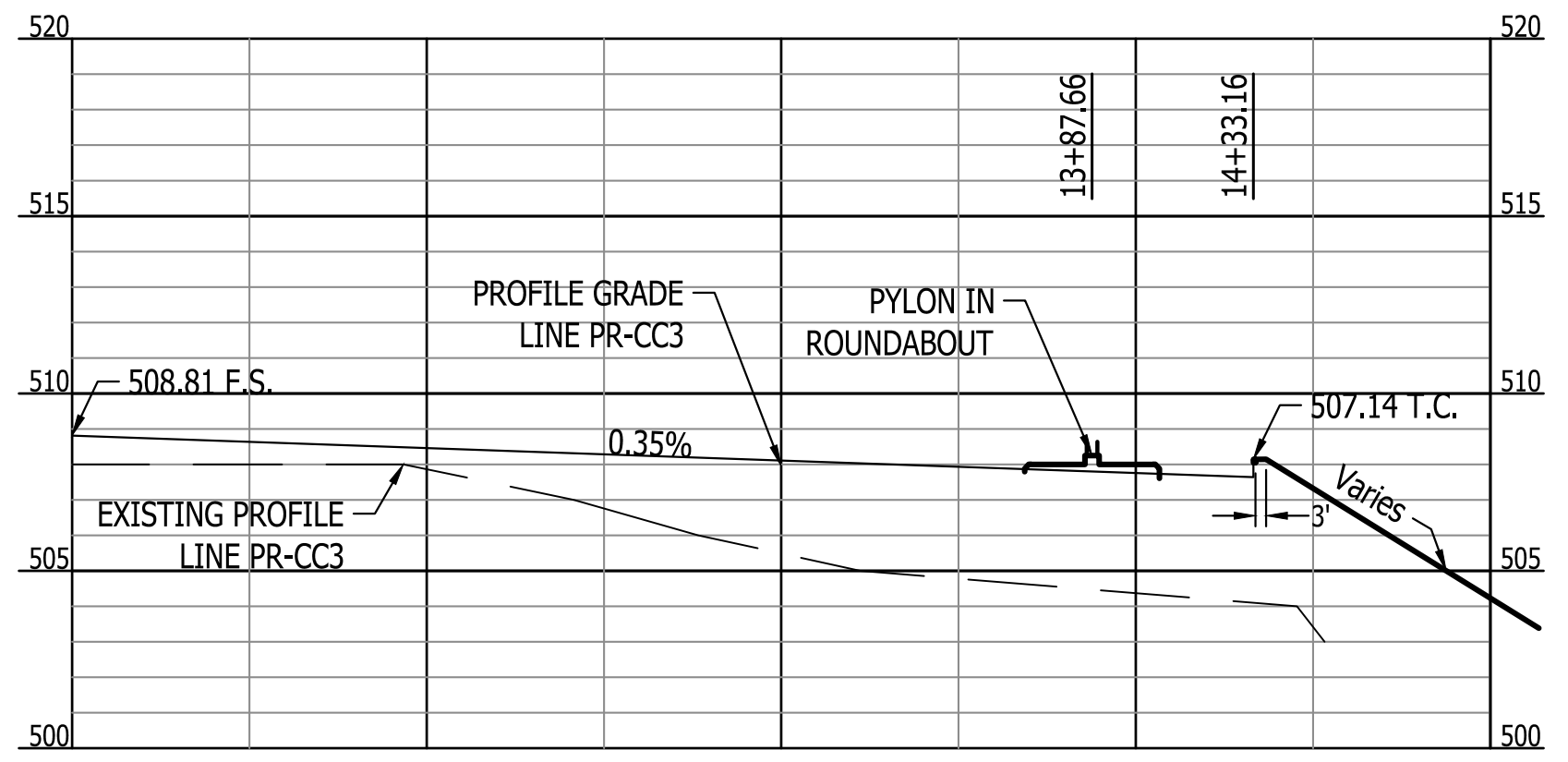
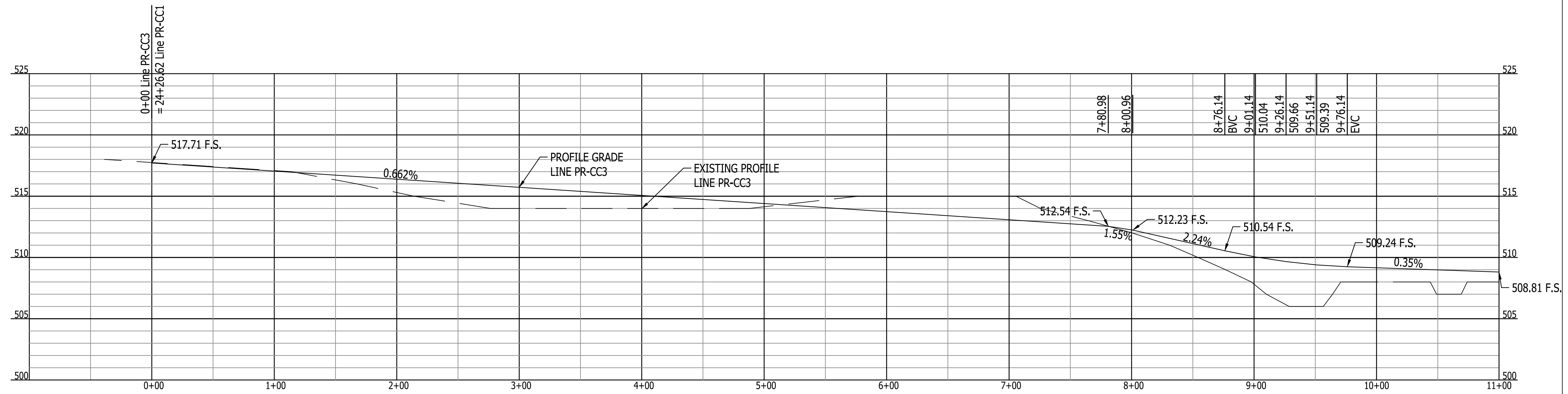
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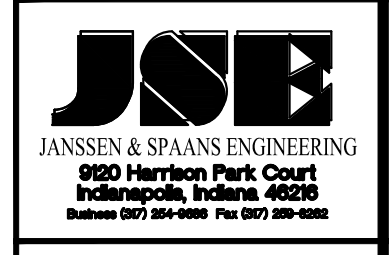
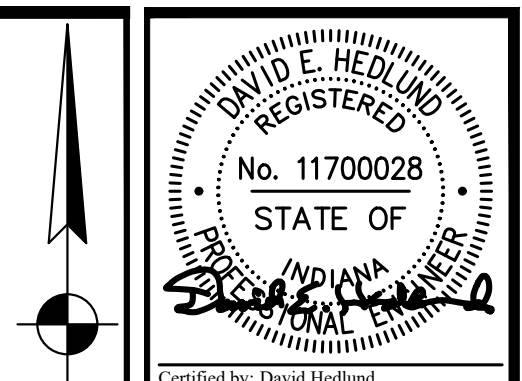
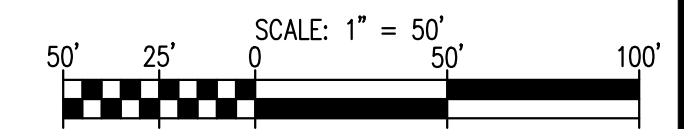
### LINE-PR-CC1



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**PROFILE - LINE PR-CC3**  
 SCALE : Horiz. 1"=50'  
 Vert. 1"=5'

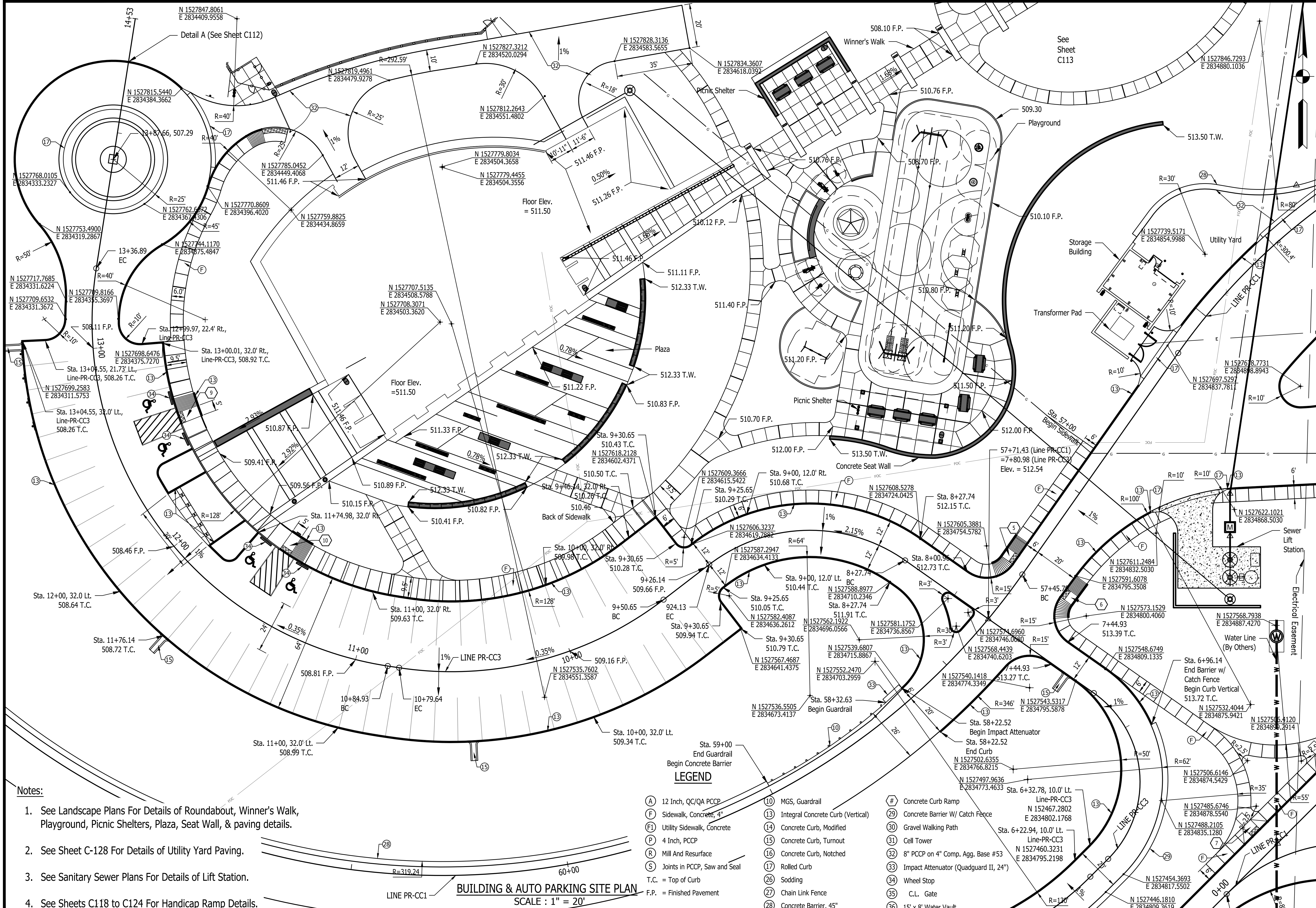


PUBLIC WORKS PROJECT NO. 84003001-22-058-C1  
 CLEAR CREEK WELCOME CENTER  
 VIGO COUNTY, INDIANA



Revisions:	
Project Number:	84003001-22-058-C1
Requisition Number:	-
Account Number:	-
Designer:	DEH
Drawing Date:	02/23/2023
Drafter:	MDR
Drawing Scale:	1"= 50'
DAPW Approval:	
Client Approval:	
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Drawing Number:	C110
Sheet:	16 of 155

Last Saved By: Jde Printed: 2/24/23  
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- Notes:**
1. See Landscape Plans For Details of Roundabout, Winner's Walk, Playground, Picnic Shelters, Plaza, Seat Wall, & paving details.
  2. See Sheet C-128 For Details of Utility Yard Paving.
  3. See Sanitary Sewer Plans For Details of Lift Station.
  4. See Sheets C118 to C124 For Handicap Ramp Details.

**LEGEND**

- |                                  |  |  |
|----------------------------------|--|--|
| (A) 12 Inch, QC/QA PCCP          | (10) MGS, Guardrail                    | (#) Concrete Curb Ramp                     |
| (F) Sidewalk, Concrete, 4"       | (13) Integral Concrete Curb (Vertical) | (29) Concrete Barrier W/ Catch Fence       |
| (F1) Utility Sidewalk, Concrete  | (14) Concrete Curb, Modified           | (30) Gravel Walking Path                   |
| (P) 4 Inch, PCCP                 | (15) Concrete Curb, Turnout            | (31) Cell Tower                            |
| (R) Mill And Resurface           | (16) Concrete Curb, Notched            | (32) 8" PCCP on 4" Comp. Agg. Base #53     |
| (S) Joints in PCCP, Saw and Seal | (17) Rolled Curb                       | (33) Impact Attenuator (Quadguard II, 24") |
| T.C. = Top of Curb               | (26) Sodding                           | (34) Wheel Stop                            |
| F.P. = Finished Pavement         | (27) Chain Link Fence                  | (35) C.L. Gate                             |
|                                  | (28) Concrete Barrier, 45"             | (36) 15' x 8' Water Vault                  |

**BUILDING & AUTO PARKING SITE PLAN**  
SCALE : 1" = 20'

Certified by David Hedlund

PUBLIC WORKS PROJECT NO. 84003001-22-058-C1  
CLEAR CREEK WELCOME CENTER  
VIGO COUNTY, INDIANA

STATE OF INDIANA  
DEPARTMENT OF ADMINISTRATION  
**PUBLIC WORKS DIVISION**  
ROOM 1467 INDIANA GOVERNMENT CENTER SOUTH  
INDIANAPOLIS, INDIANA 46204  
317-232-3000

Revisions:

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Requestion Number:  
Account Number:

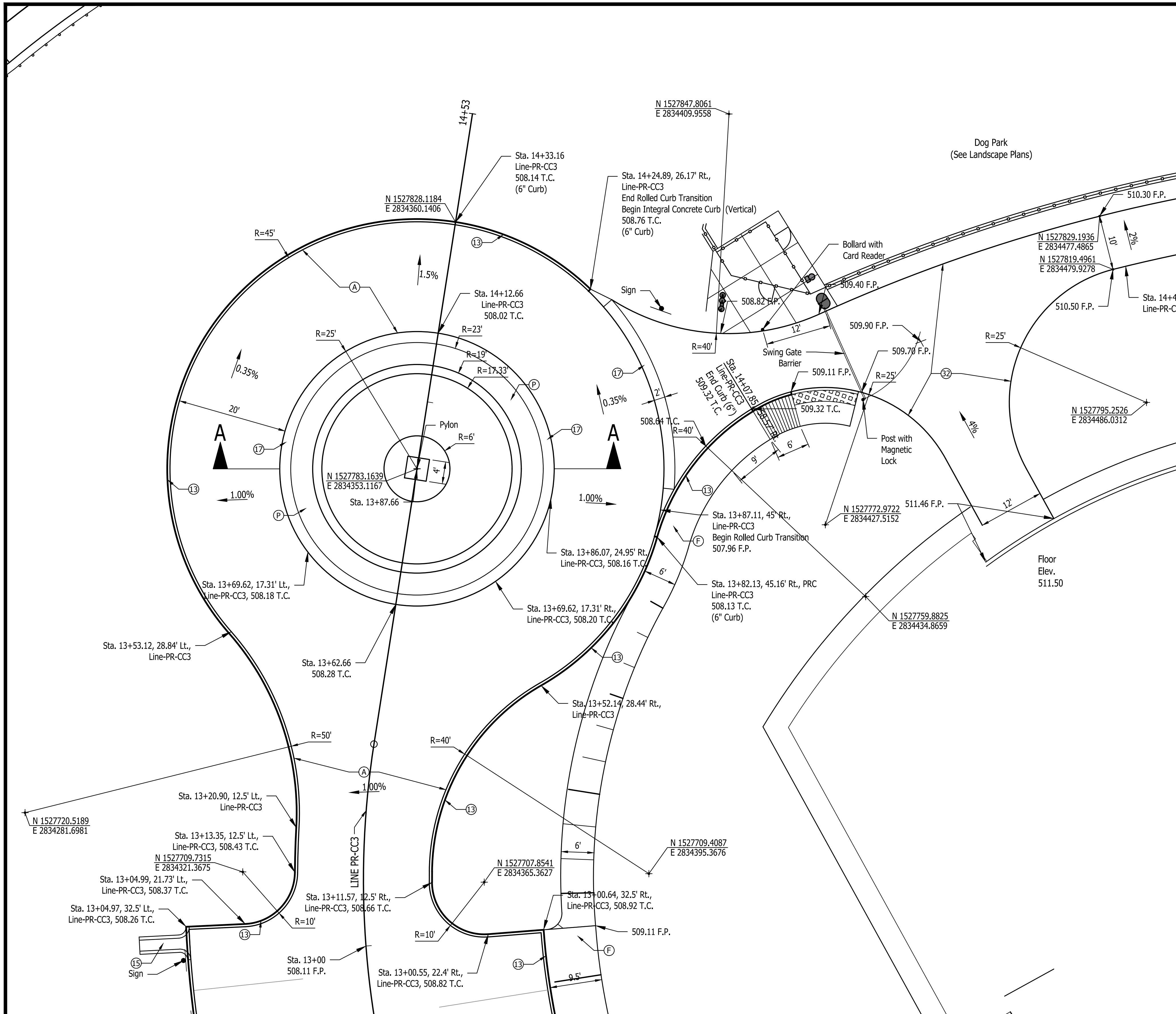
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Drafter: MDR Drawing Scale: 1"=20'  
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Client Approval:  
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Drawing Number: C111  
Sheet: 17 of 115

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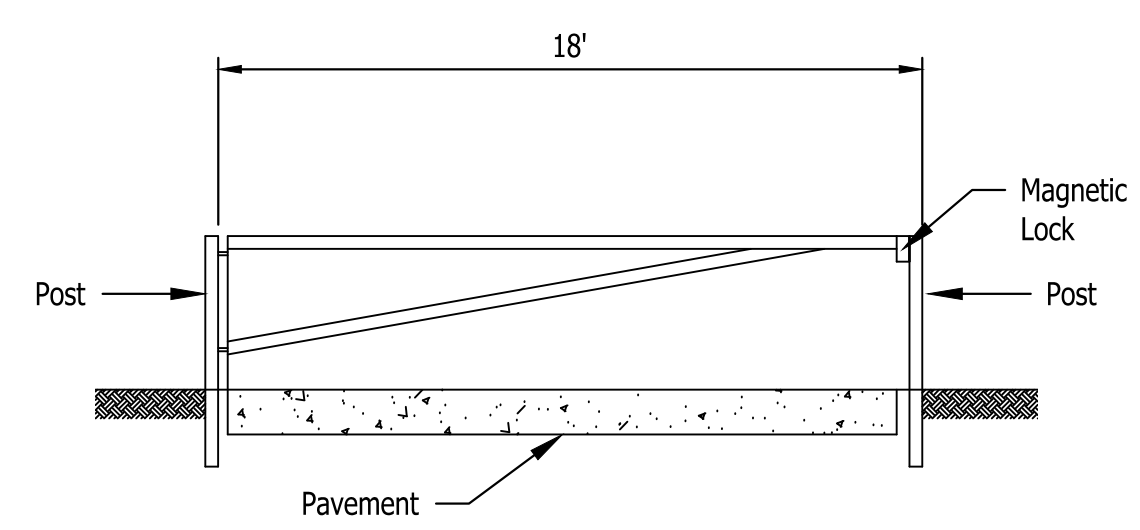
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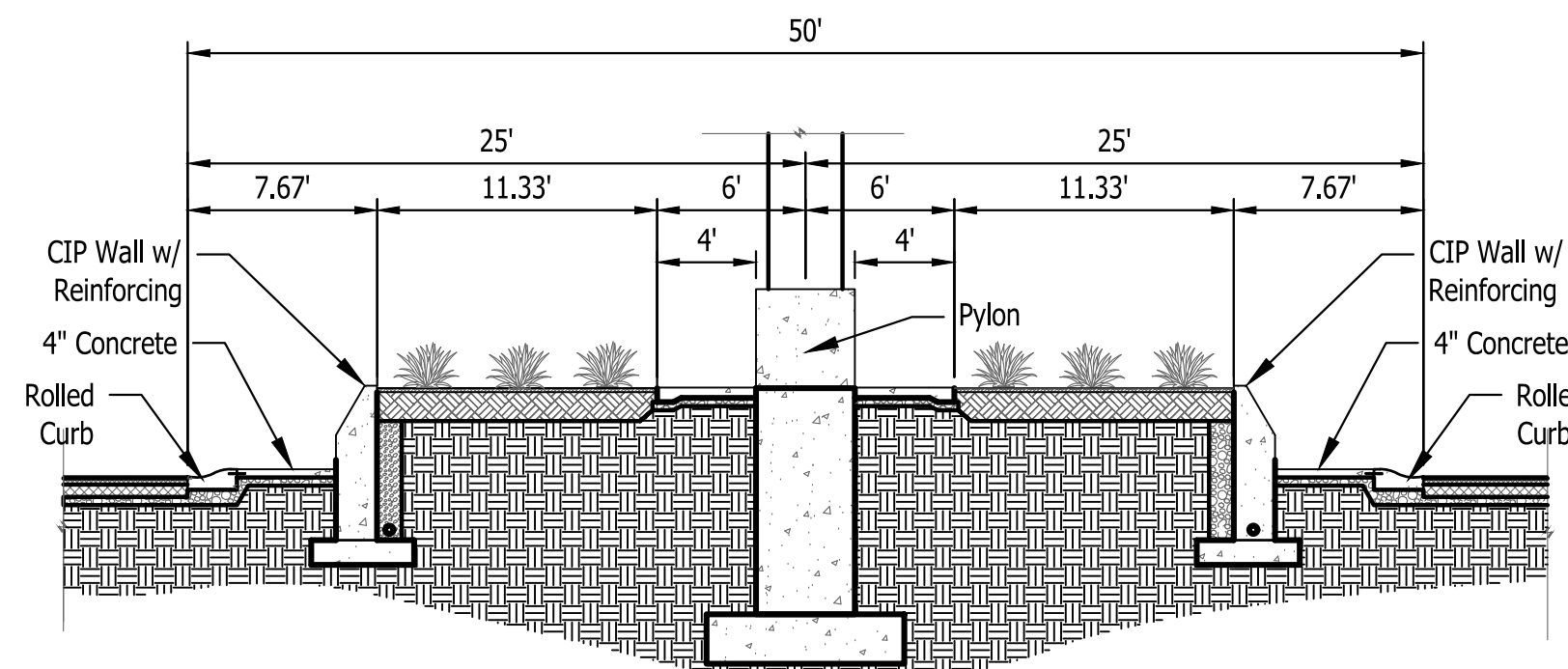
**DETAIL A**  
SCALE: 1" = 10'

**Notes:**

1. See Landscape Plans For Additional Details of Pylon & Planter in Roundabout
2. See Details on Sheet C103 For Transition From Vertical Curb to Rolled Curb.
3. Swing Gate to be equipped with magnetic lock on post. A card reader & bollard to be provided by Presicio for unlocking the gate.



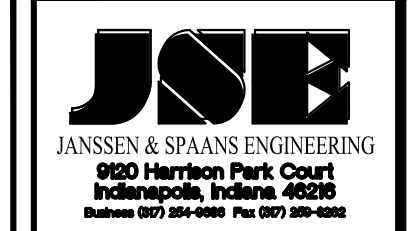
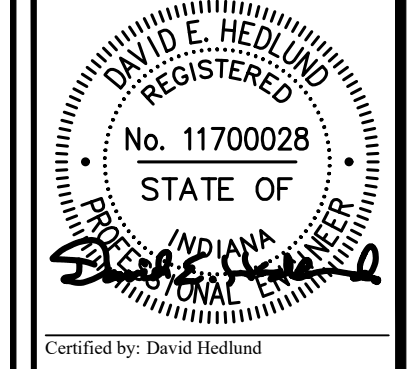
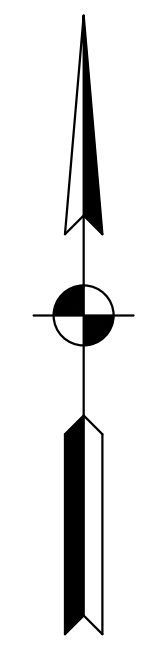
**SWING BARRIER GATE**  
SCALE: None



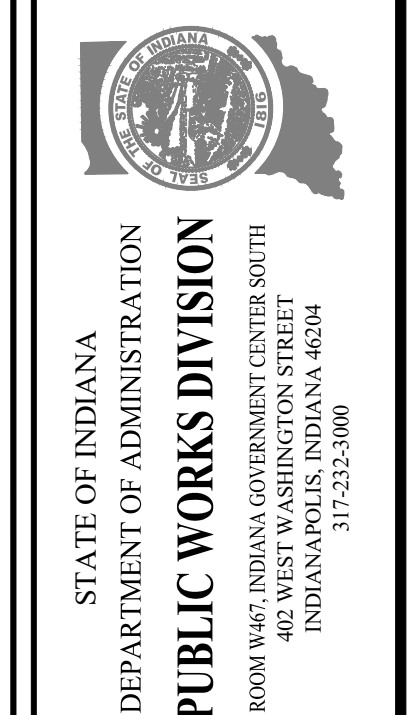
**SECTION A-A**  
**ROUNDBOUT ISLAND**  
SCALE: None

**LEGEND**

- |                                  |  |  |
|----------------------------------|--|--|
| (A) 12 Inch, QC/QA PCCP          | (10) MGS, Guardrail                    | (#) Concrete Curb Ramp                     |
| (F) Sidewalk, Concrete, 4"       | (13) Integral Concrete Curb (Vertical) | (29) Concrete Barrier W/ Catch Fence       |
| (FI) Utility Sidewalk, Concrete  | (14) Concrete Curb, Modified           | (30) Gravel Walking Path                   |
| (P) 4 Inch, PCCP                 | (15) Concrete Curb, Turnout            | (31) Cell Tower                            |
| (R) Mill And Resurface           | (16) Concrete Curb, Notched            | (32) 8" PCCP on 4" Comp. Agg. Base #53     |
| (S) Joints in PCCP, Saw and Seal | (17) Rolled Curb                       | (33) Impact Attenuator (Quadguard II, 24") |
| T.C. = Top of Curb               | (26) Sodding                           | (34) Wheel Stop                            |
| F.P. = Finished Pavement         | (27) Chain Link Fence                  | (35) C.L. Gate                             |
|                                  | (28) Concrete Barrier, 45"             | (36) 15' x 8' Water Vault                  |

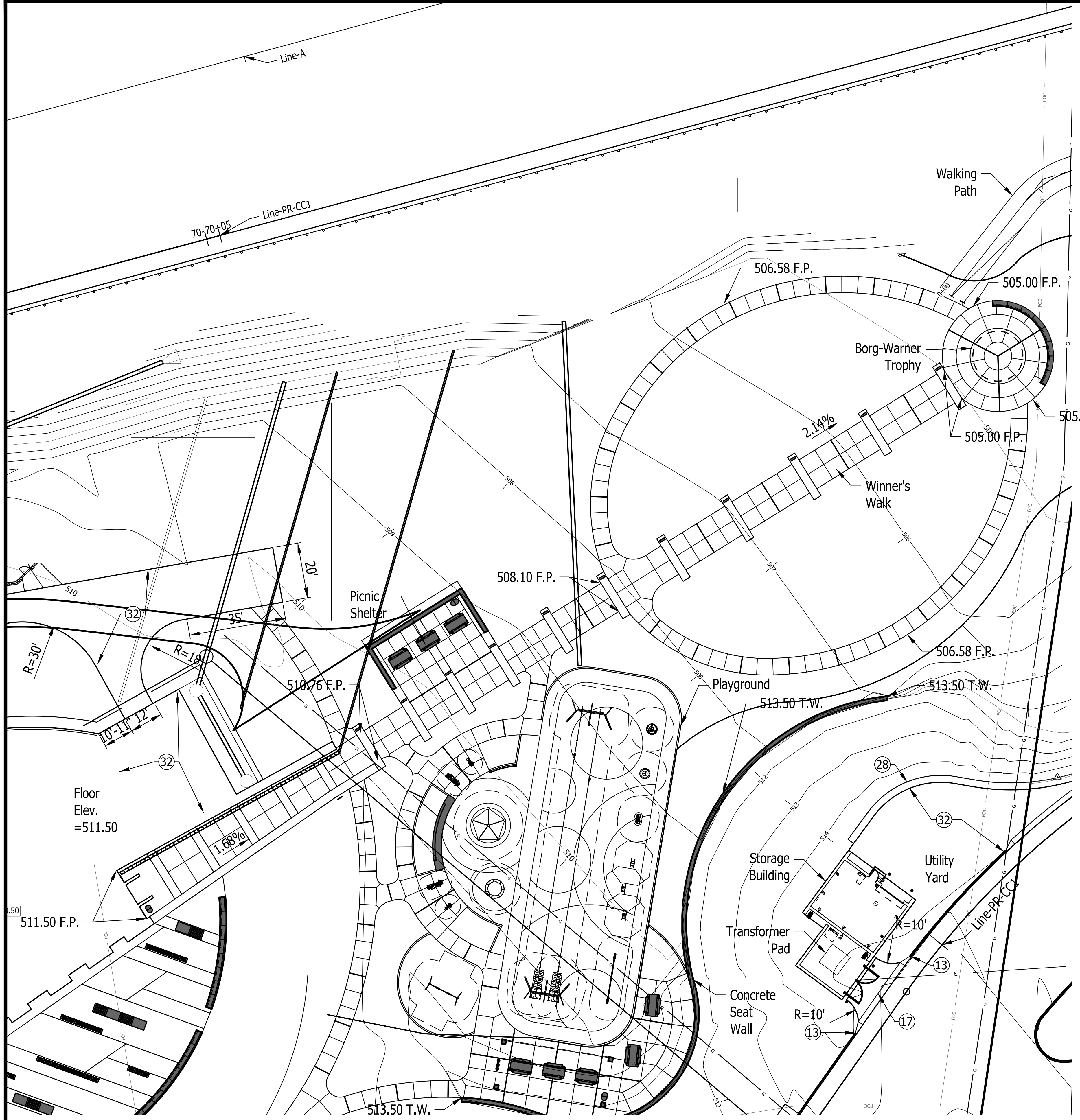


PUBLIC WORKS PROJECT NO. 84003001-22-058-C1  
 CLEAR CREEK WELCOME CENTER  
 VIGO COUNTY, INDIANA



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Requestion Number:	
Account Number:	
Designer:	DEH
Drawing Date:	02/23/2023
Drafter:	MDR
Drawing Scale:	AS SHOWN
DAPW Approval:	
Client Approval:	
Reference Number:	1364
Building Reference:	
Drawing Number:	C112
Sheet:	18 of 155

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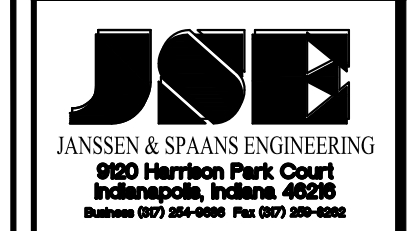
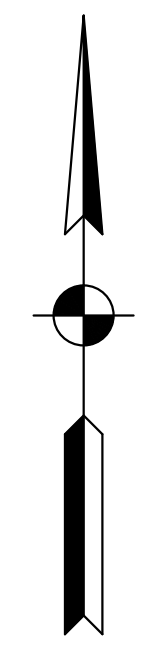
**WINNER'S WALK**  
 SCALE : 1" = 20'

**Notes:**

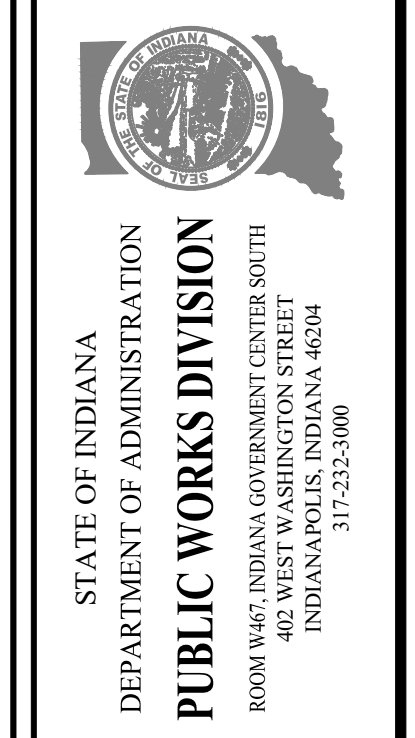
1. See Landscape Plans For Details of Winner's Walk, Playground, Picnic Shelter, & Concrete Seat Wall
2. See Architectural Plans For Details of Welcome Center Building & Storage Building.
3. See Sheet C128 For Paving Plan at Storage Building, & Transformer Pad Details.

**LEGEND**

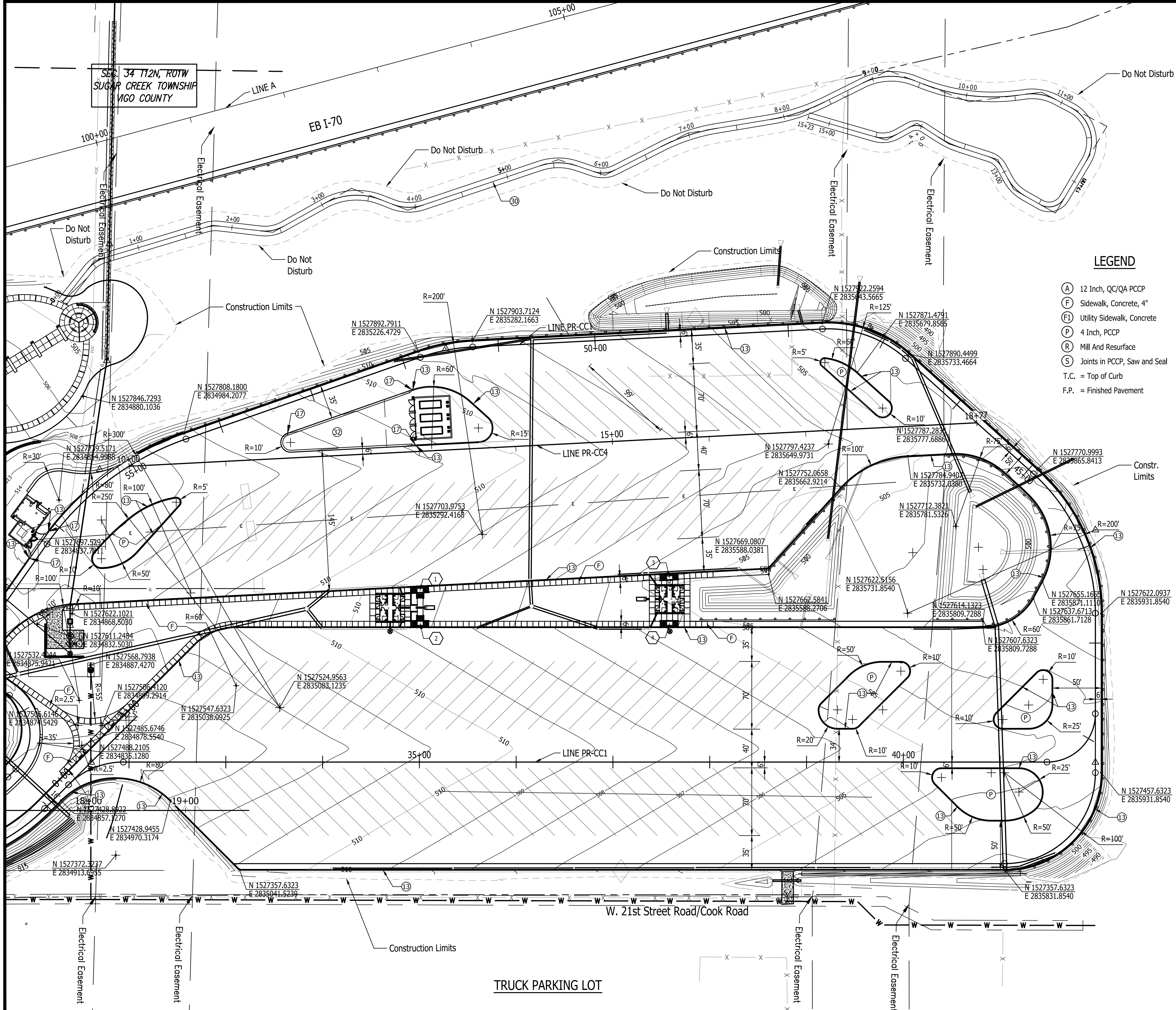
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(F) Sidewalk, Concrete, 4"	(13) Integral Concrete Curb (Vertical)	(29) Concrete Barrier W/ Catch Fence
(FI) Utility Sidewalk, Concrete	(14) Concrete Curb, Modified	(30) Gravel Walking Path
(P) 4 Inch, PCCP	(15) Concrete Curb, Turnout	(31) Cell Tower
(R) Mill And Resurface	(16) Concrete Curb, Notched	(32) 8" PCCP on 4" Comp. Agg. Base #53
(S) Joints in PCCP, Saw and Seal	(17) Rolled Curb	(33) Impact Attenuator (Quadguard II, 24")
T.C. = Top of Curb	(26) Sodding	(34) Wheel Stop
F.P. = Finished Pavement	(27) Chain Link Fence	(35) C.L. Gate
	(28) Concrete Barrier, 45"	(36) 15' x 8' Water Vault



PUBLIC WORKS PROJECT NO. 84003001-22-058-C1  
 CLEAR CREEK WELCOME CENTER  
 VIGO COUNTY, INDIANA



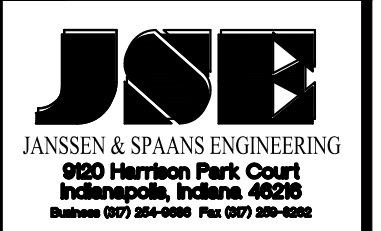
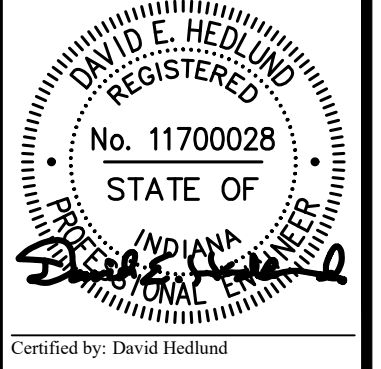
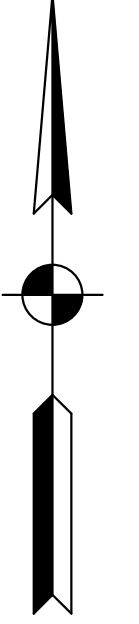
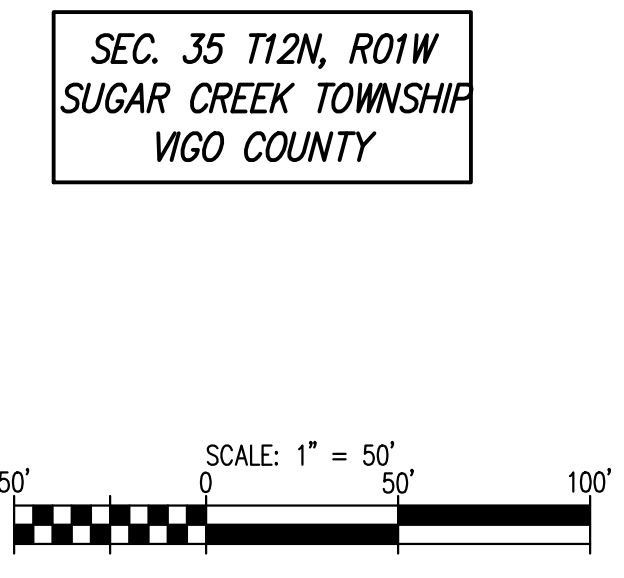
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Requestion Number:	
Account Number:	
Designer:	DEH
Drawing Date:	02/23/2023
Drafter:	MDR
Drawing Scale:	1"=20'
DAPW Approval:	
Client Approval:	
Reference Number:	1364
Building Reference:	
Drawing Number:	C113
Sheet:	19 of 155



**LEGEND**

- |                                  |  |  |
|----------------------------------|--|--|
| (A) 12 Inch, QC/QA PCCP          | (10) MGS, Guardrail                    | (#) Concrete Curb Ramp                     |
| (F) Sidewalk, Concrete, 4"       | (13) Integral Concrete Curb (Vertical) | (29) Concrete Barrier W/ Catch Fence       |
| (F1) Utility Sidewalk, Concrete  | (14) Concrete Curb, Modified           | (30) Gravel Walking Path                   |
| (P) 4 Inch, PCCP                 | (15) Concrete Curb, Turnout            | (31) Cell Tower                            |
| (R) Mill And Resurface           | (16) Concrete Curb, Notched            | (32) 8" PCCP on 4" Comp. Agg. Base #53     |
| (S) Joints in PCCP, Saw and Seal | (17) Rolled Curb                       | (33) Impact Attenuator (QuadGuard II, 24") |
| T.C. = Top of Curb               | (26) Sodding                           | (34) Wheel Stop                            |
| F.P. = Finished Pavement         | (27) Chain Link Fence                  | (35) C.L. Gate                             |
|                                  | (28) Concrete Barrier, 45"             | (36) 15' x 8' Water Vault                  |

- Notes:**
1. See Shts. C116 & C117 For island layouts & grades.
  2. See Walking Path notes & details on Sht. C127
  3. See Shts. C119 to C121 for handicap ramp details.



PUBLIC WORKS PROJECT NO. 84003001-22-058-C1  
 CLEAR CREEK WELCOME CENTER  
 VIGO COUNTY, INDIANA

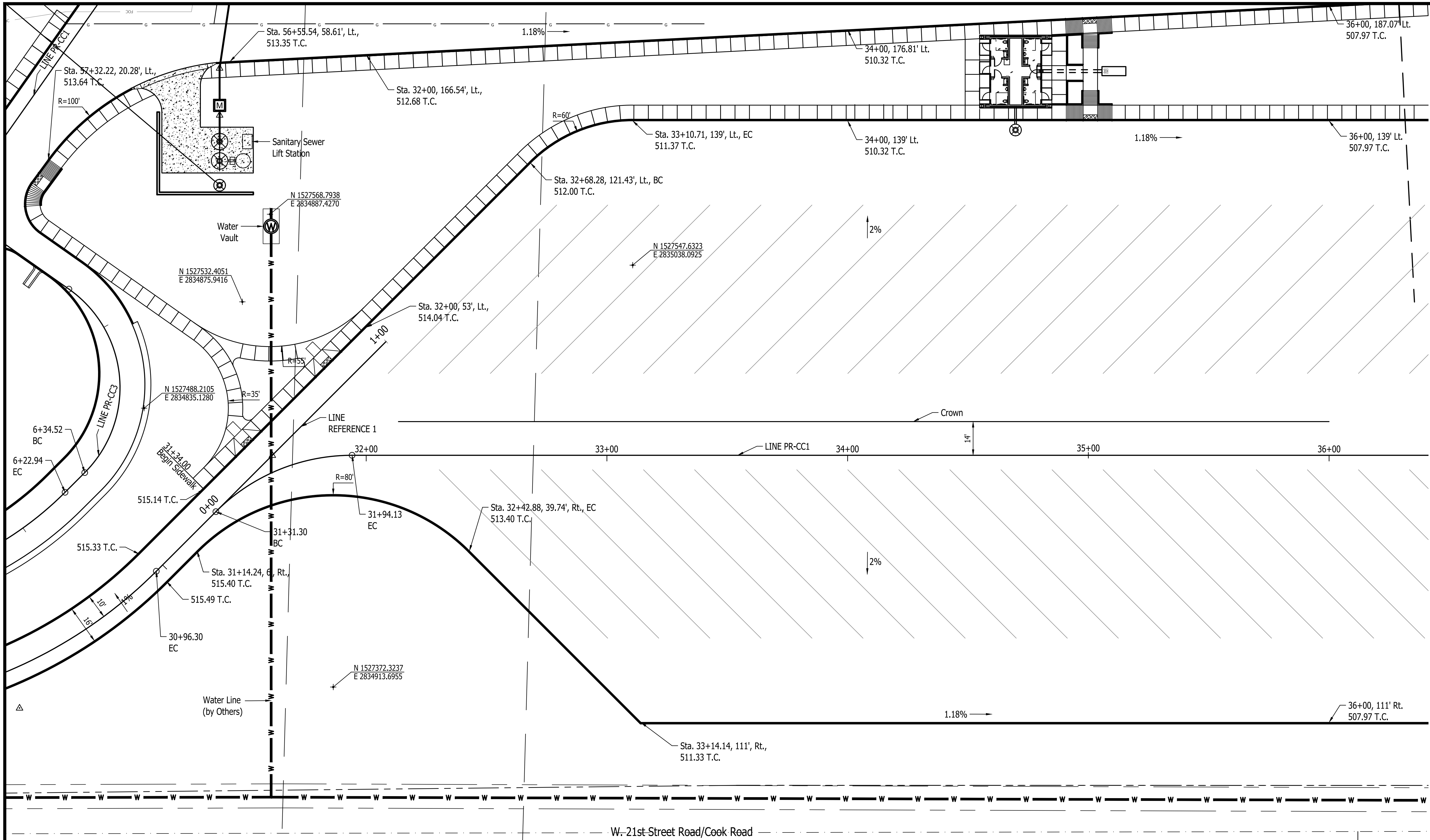


STATE OF INDIANA  
 DEPARTMENT OF ADMINISTRATION  
**PUBLIC WORKS DIVISION**  
 ROOM 4667 INDIANA GOVERNMENT CENTER SOUTH  
 INDIANAPOLIS, INDIANA 46204  
 317-232-3000

Revisions:	
Project Number:	84003001-22-058-C1
Requestion Number:	
Account Number:	
Designer:	DEH
Drawing Date:	02/23/2023
Drafter:	MDR
Drawing Scale:	1"=50'
DAPW Approval:	
Client Approval:	
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Sheet:	20 of 155

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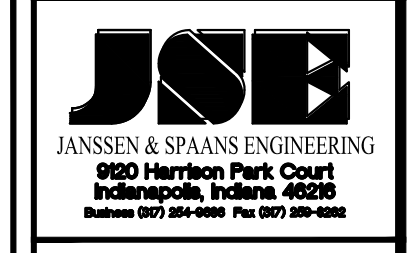
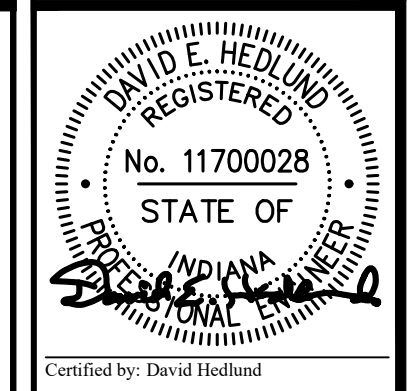


- Notes:**
1. See Shts. C119 to C125 For Handicap Ramp Details.
  2. See Sanitary Sewer Plans For Lift Station Details.

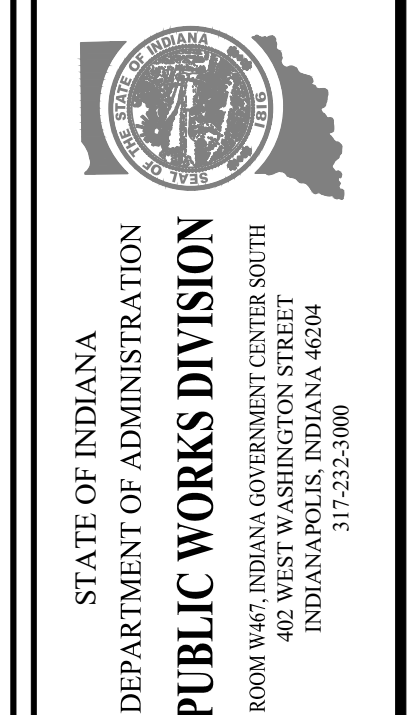
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**LEGEND**

(A) 12 Inch, QC/QA PCCP	(10) MGS, Guardrail	(#) Concrete Curb Ramp
(F) Sidewalk, Concrete, 4"	(13) Integral Concrete Curb (Vertical)	(29) Concrete Barrier W/ Catch Fence
(F1) Utility Sidewalk, Concrete	(14) Concrete Curb, Modified	(30) Gravel Walking Path
(P) 4 Inch, PCCP	(15) Concrete Curb, Turnout	(31) Cell Tower
(R) Mill And Resurface	(16) Concrete Curb, Notched	(32) 8" PCCP on 4" Comp. Agg. Base #53
(S) Joints in PCCP, Saw and Seal	(17) Rolled Curb	(33) Impact Attenuator (Quadguard II, 24")
T.C. = Top of Curb	(26) Sodding	(34) Wheel Stop
F.P. = Finished Pavement	(27) Chain Link Fence	(35) C.L. Gate
	(28) Concrete Barrier, 45"	(36) 15' x 8' Water Vault

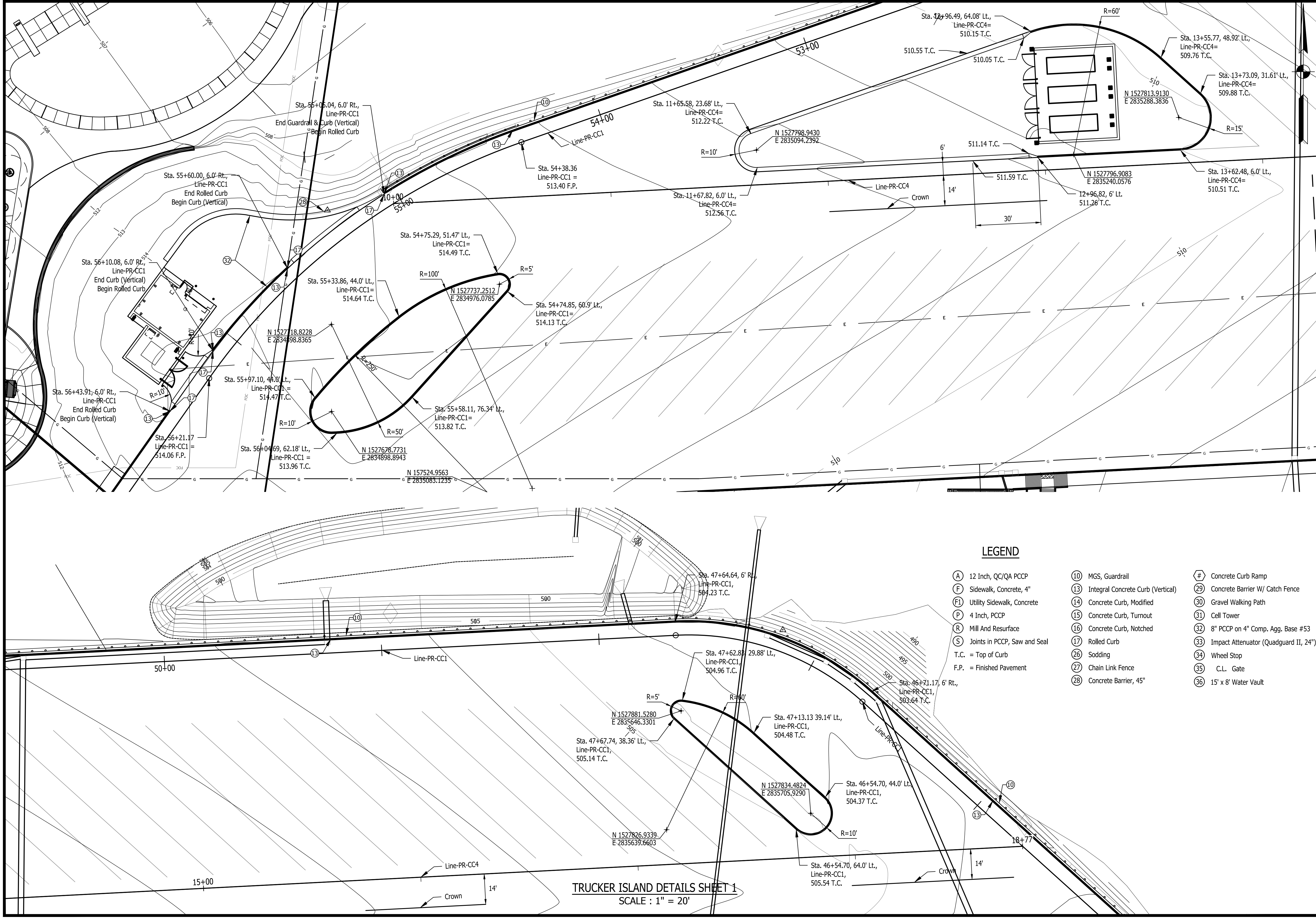


PUBLIC WORKS PROJECT NO. 84003001-22-058-C1  
 CLEAR CREEK WELCOME CENTER  
 VIGO COUNTY, INDIANA



Project Number:	84003001-22-058-C1
Requestion Number:	
Account Number:	
Designer:	DEH
Drawing Date:	02/23/2023
Drafter:	MDR
Drawing Scale:	1"=20'
DAPW Approval:	
Client Approval:	
Reference Number:	1364
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Sheet:	21 of 155

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**LEGEND**

- |                                  |  |  |
|----------------------------------|--|--|
| (A) 12 Inch, QC/QA PCCP          | (10) MGS, Guardrail                    | (29) Concrete Curb Ramp                    |
| (F) Sidewalk, Concrete, 4"       | (13) Integral Concrete Curb (Vertical) | (29) Concrete Barrier W/ Catch Fence       |
| (FI) Utility Sidewalk, Concrete  | (14) Concrete Curb, Modified           | (30) Gravel Walking Path                   |
| (P) 4 Inch, PCCP                 | (15) Concrete Curb, Turnout            | (31) Cell Tower                            |
| (R) Mill And Resurface           | (16) Concrete Curb, Notched            | (32) 8" PCCP on 4" Comp. Agg. Base #53     |
| (S) Joints in PCCP, Saw and Seal | (17) Rolled Curb                       | (33) Impact Attenuator (Quadguard II, 24") |
| T.C. = Top of Curb               | (26) Sodding                           | (34) Wheel Stop                            |
| F.P. = Finished Pavement         | (27) Chain Link Fence                  | (35) C.L. Gate                             |
|                                  | (28) Concrete Barrier, 45"             | (36) 15' x 8' Water Vault                  |

**TRUCKER ISLAND DETAILS SHEET 1**  
 SCALE : 1" = 20'

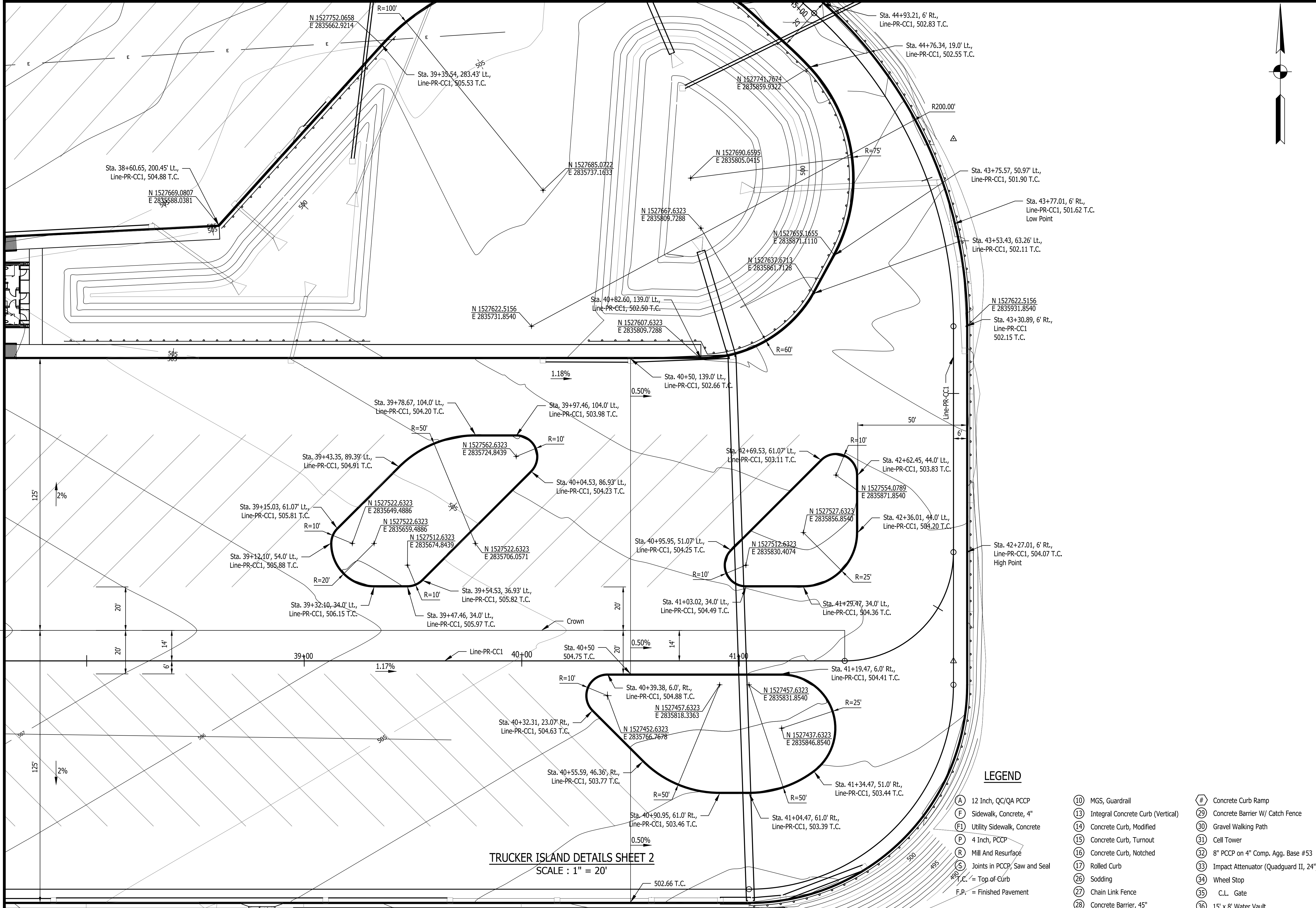
Certified by David Hedlund

PUBLIC WORKS PROJECT NO. 84003001-22-058-C1  
 CLEAR CREEK WELCOME CENTER  
 VIGO COUNTY, INDIANA

STATE OF INDIANA  
 DEPARTMENT OF ADMINISTRATION  
**PUBLIC WORKS DIVISION**  
 ROOM 1467 INDIANA GOVERNMENT CENTER SOUTH  
 INDIANAPOLIS, INDIANA 46204  
 317-232-3000

Project Number: 84003001-22-058-C1  
 Requestion Number:  
 Account Number:  
 Designer: DEH Drawing Date: 02/23/2023  
 Drafter: MDR Drawing Scale: 1"=20'  
 DAPW Approval:  
 Client Approval:  
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 Sheet: 22 of 155

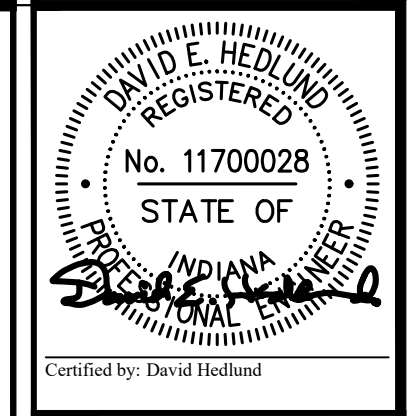
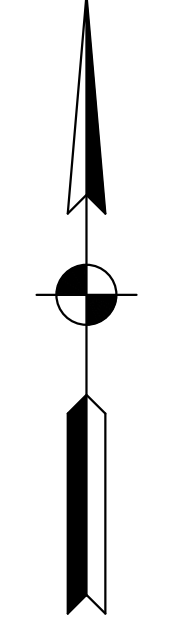
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**TRUCKER ISLAND DETAILS SHEET 2**  
 SCALE : 1" = 20'

**LEGEND**

- |                                  |  |  |
|----------------------------------|--|--|
| (A) 12 Inch, QC/QA PCCP          | (10) MGS, Guardrail                    | (#) Concrete Curb Ramp                     |
| (F) Sidewalk, Concrete, 4"       | (13) Integral Concrete Curb (Vertical) | (29) Concrete Barrier W/ Catch Fence       |
| (FI) Utility Sidewalk, Concrete  | (14) Concrete Curb, Modified           | (30) Gravel Walking Path                   |
| (P) 4 Inch, PCCP                 | (15) Concrete Curb, Turnout            | (31) Cell Tower                            |
| (R) Mill And Resurface           | (16) Concrete Curb, Notched            | (32) 8" PCCP on 4" Comp. Agg. Base #53     |
| (S) Joints in PCCP, Saw and Seal | (17) Rolled Curb                       | (33) Impact Attenuator (Quadguard II, 24") |
| △ = Top of Curb                  | (26) Sodding                           | (34) Wheel Stop                            |
| F.P. = Finished Pavement         | (27) Chain Link Fence                  | (35) C.L. Gate                             |
|                                  | (28) Concrete Barrier, 45"             | (36) 15' x 8' Water Vault                  |



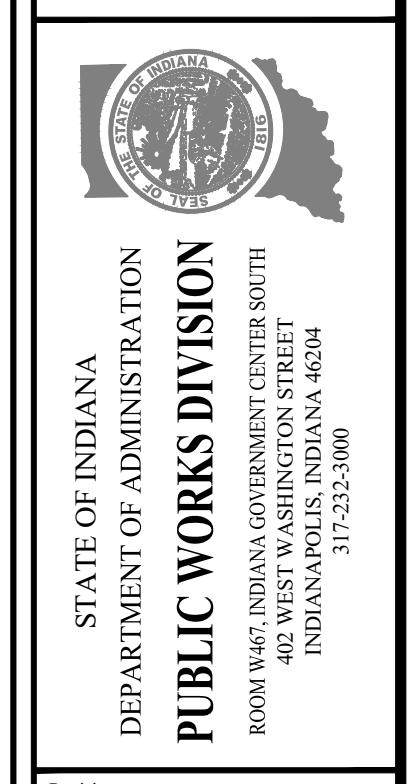
**JOE**  
 JANSSEN & SPAANS ENGINEERING  
 950 Harrison Park Court  
 Indianapolis, Indiana 46220  
 Phone (317) 255-6666 Fax (317) 255-6667



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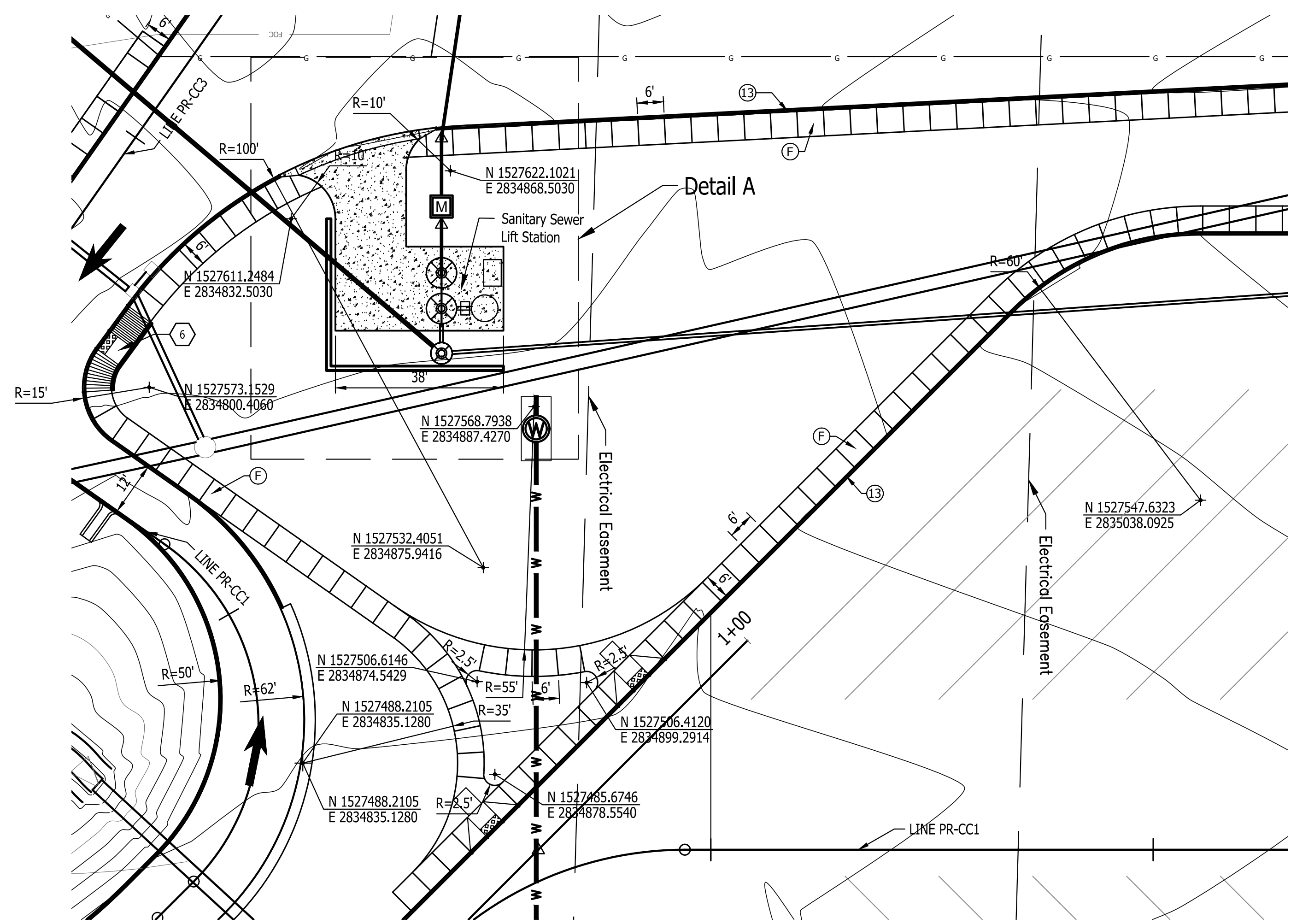


PUBLIC WORKS PROJECT NO. 84003001-22-058-C1  
 CLEAR CREEK WELCOME CENTER  
 VIGO COUNTY, INDIANA



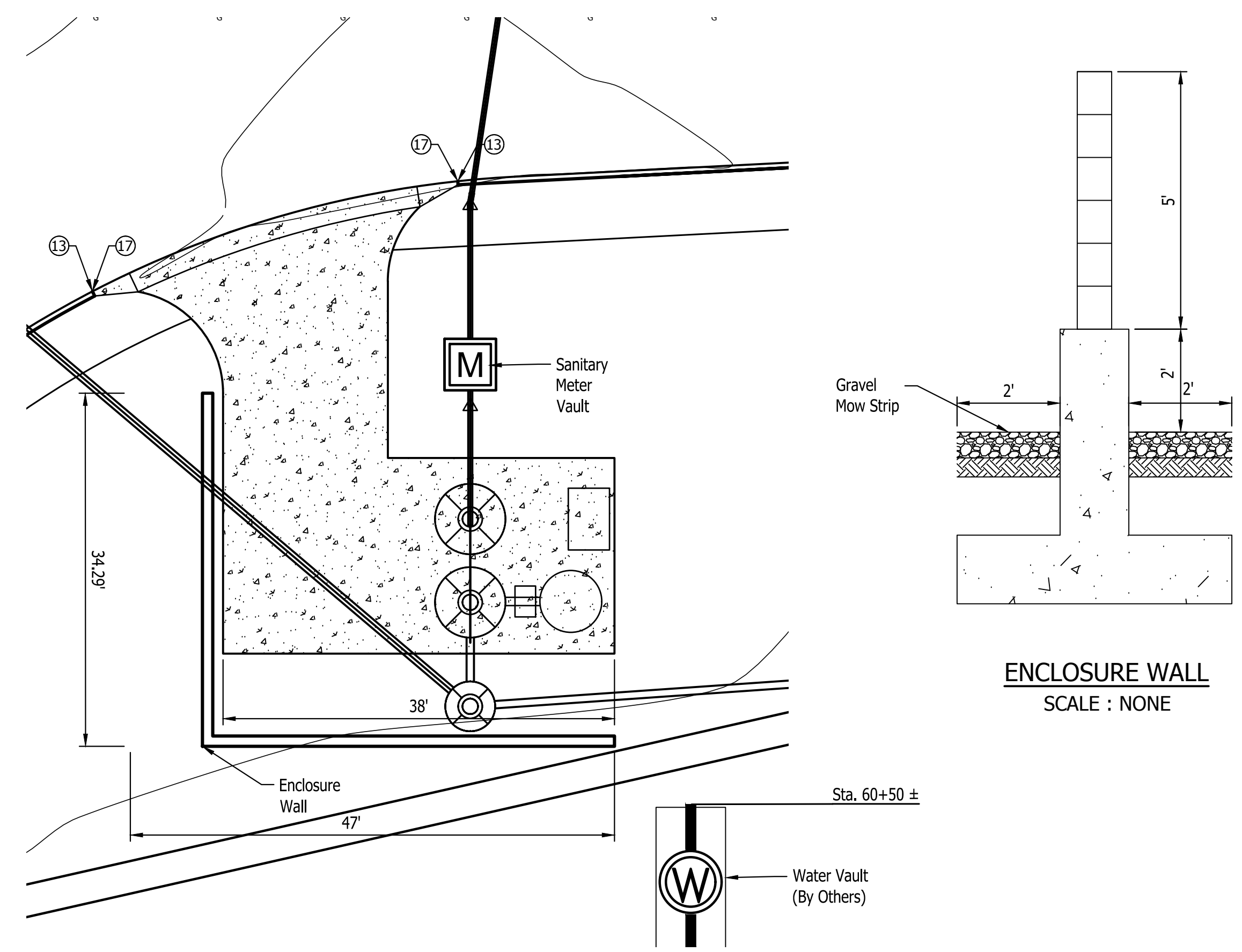
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Requestion Number:	-
Account Number:	-
Designer:	DEH
Drawing Date:	02/23/2023
Drafter:	MDR
Drawing Scale:	1"=20'
DAPW Approval:	-
Client Approval:	-
Reference Number:	1364
Building Reference:	-
Drawing Number:	C117
Sheet:	23 of 155

Last Saved By: jial Printed: 2/24/23  
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**SANITARY LIFT STATION LAYOUT**  
SCALE : 1" = 20'

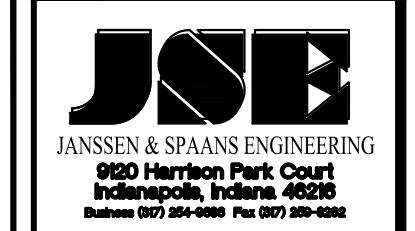
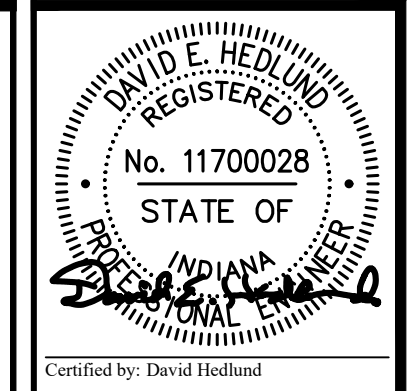
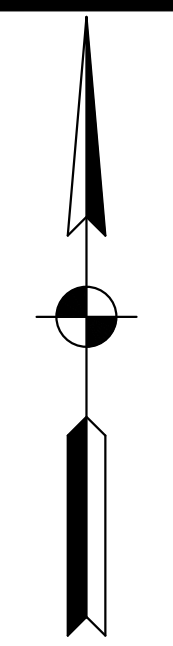
- Notes:**
1. See Sanitary Sewer Plans For Lift Station Details
  2. See Architectural Plans, Sheet D-A201 For Details of Enclosure Wall.



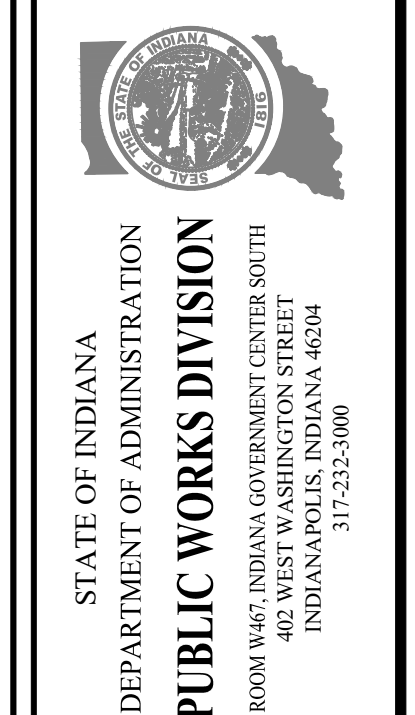
**DETAIL A**  
SCALE : 1" = 10'

**LEGEND**

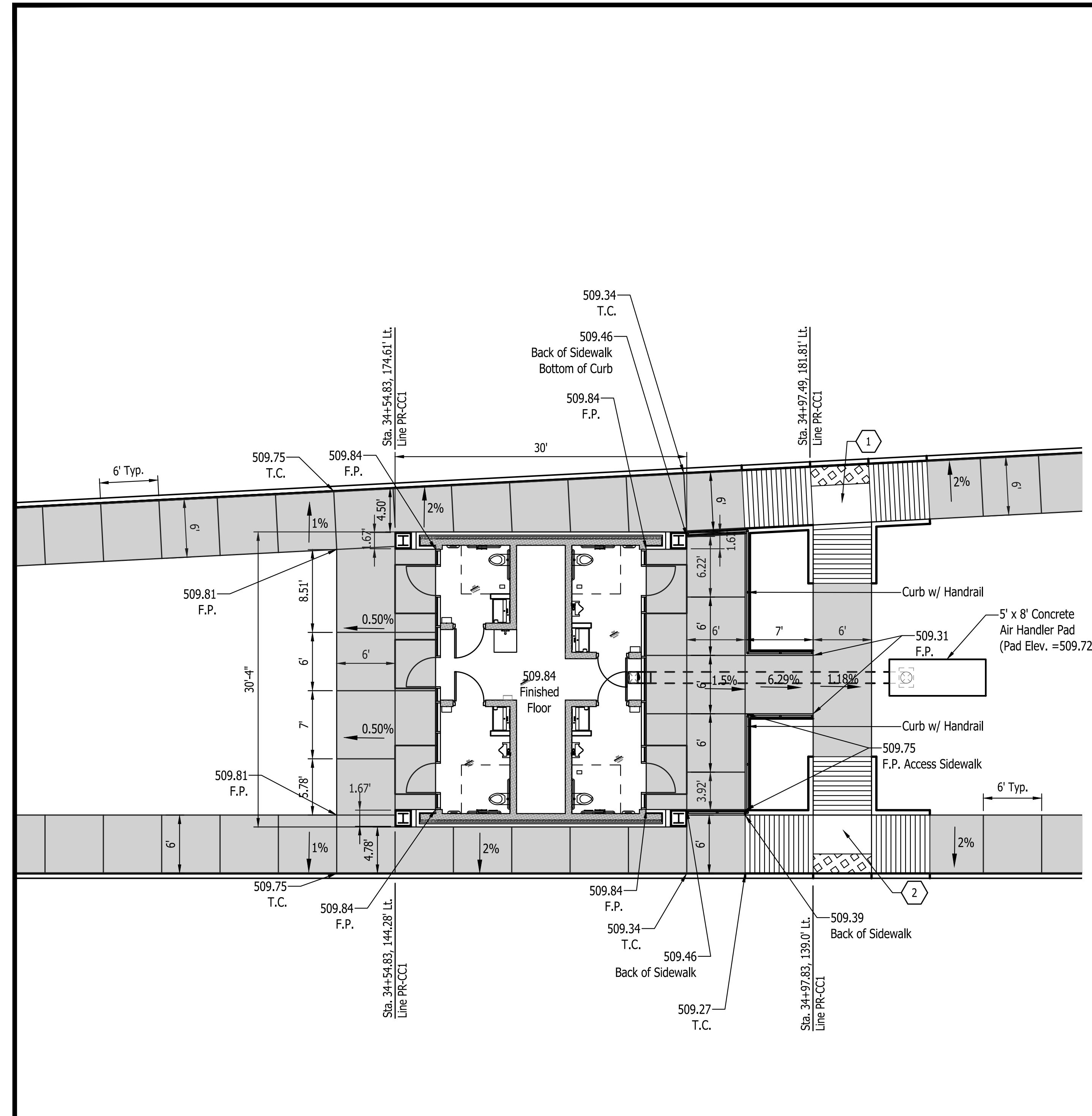
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(F) Sidewalk, Concrete, 4"	(13) Integral Concrete Curb (Vertical)	(29) Concrete Barrier W/ Catch Fence
(F1) Utility Sidewalk, Concrete	(14) Concrete Curb, Modified	(30) Gravel Walking Path
(P) 4 Inch, PCCP	(15) Concrete Curb, Turnout	(31) Cell Tower
(R) Mill And Resurface	(16) Concrete Curb, Notched	(32) 8" PCCP on 4" Comp. Agg. Base #53
(S) Joints in PCCP, Saw and Seal	(17) Rolled Curb	(33) Impact Attenuator (Quadguard II, 24")
T.C. = Top of Curb	(26) Sodding	(34) Wheel Stop
F.P. = Finished Pavement	(27) Chain Link Fence	(35) C.L. Gate
	(28) Concrete Barrier, 45"	(36) 15' x 8' Water Vault



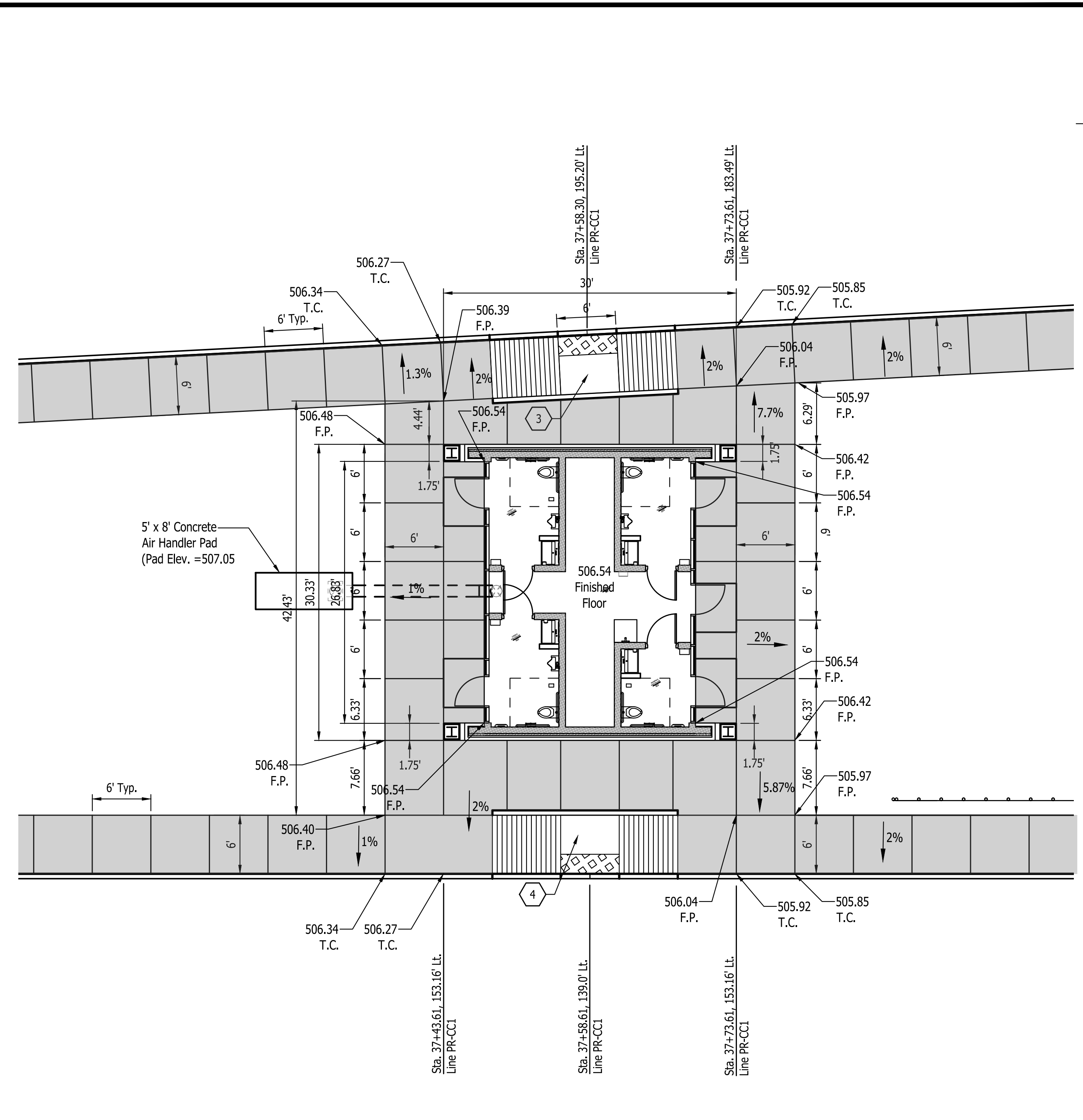
PUBLIC WORKS PROJECT NO. 84003001-22-058-C1  
 CLEAR CREEK WELCOME CENTER  
 VIGO COUNTY, INDIANA



Revisions:	
Project Number:	84003001-22-058-C1
Requestion Number:	
Account Number:	
Designer:	DEH
Drawing Date:	02/23/2023
Drafter:	MDR
Drawing Scale:	AS SHOWN
DAPW Approval:	
Client Approval:	
Reference Number:	1364
Building Reference:	
Drawing Number:	C118
Sheet:	24 of 155



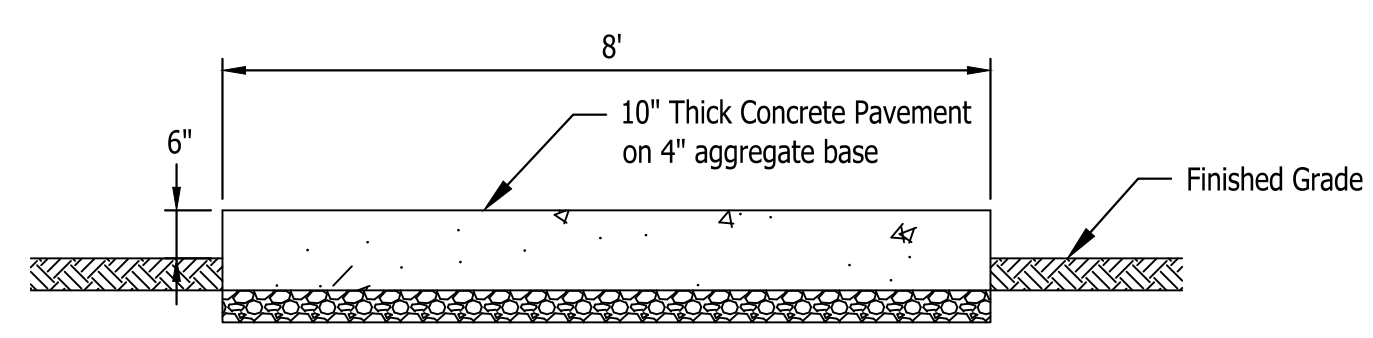
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SCALE : NONE



WELCOME CENTER TRUCKER RESTROOM NO. 2 CURB RAMP DETAIL  
SCALE : NONE

- Notes**
1. See ramp elevation data on sheets C120 & C121
  2. See Architectural Plans for restroom details
  3. Handrails shall be aluminum and shall be Fabricated in accordance with INDOT Std. Specifications Sections 604.79, 711, & 803. See detail on Sht. C120.

Concrete Walkways & Ramps

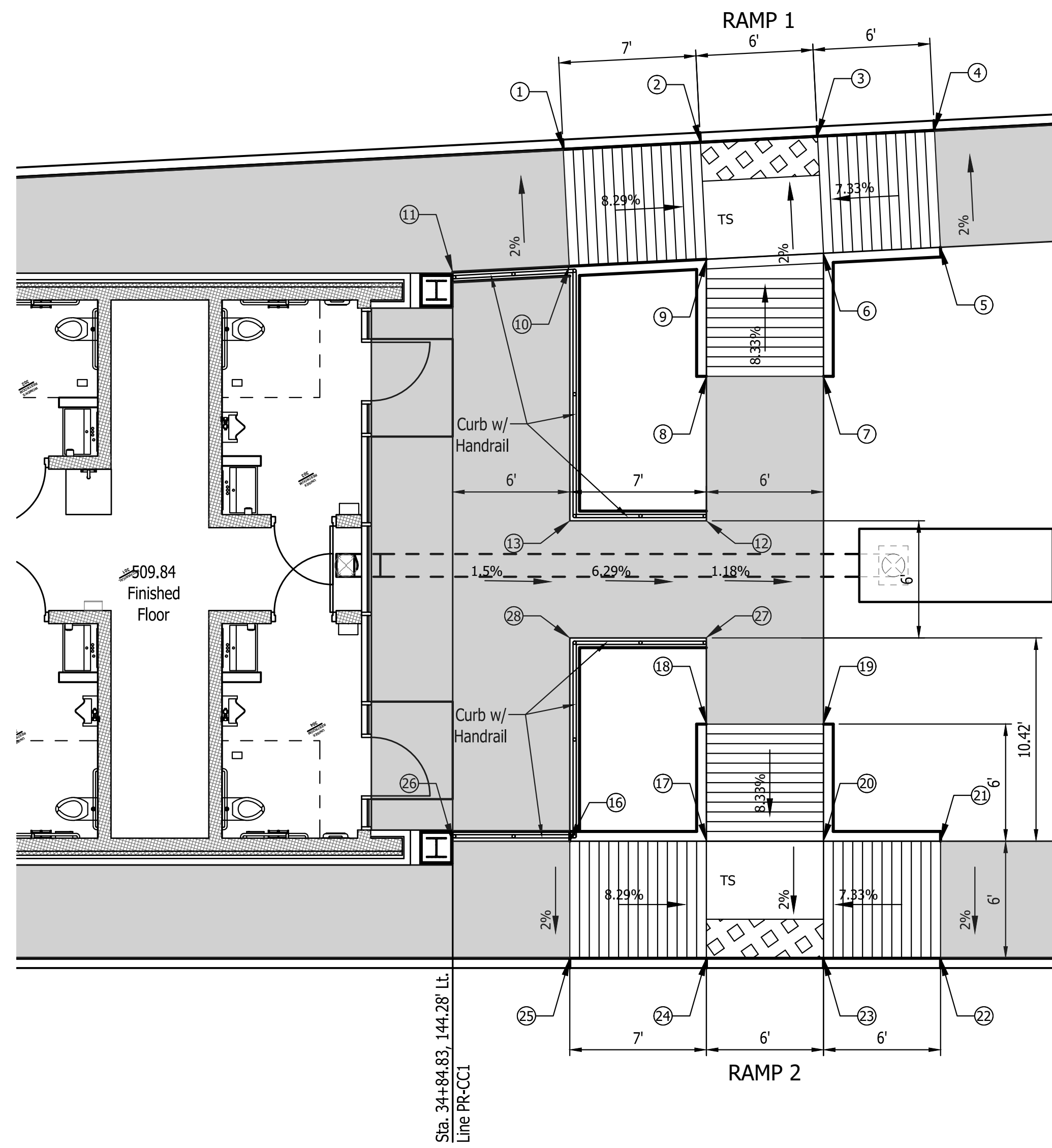


AIR HANDLER PAD  
SCALE : NONE

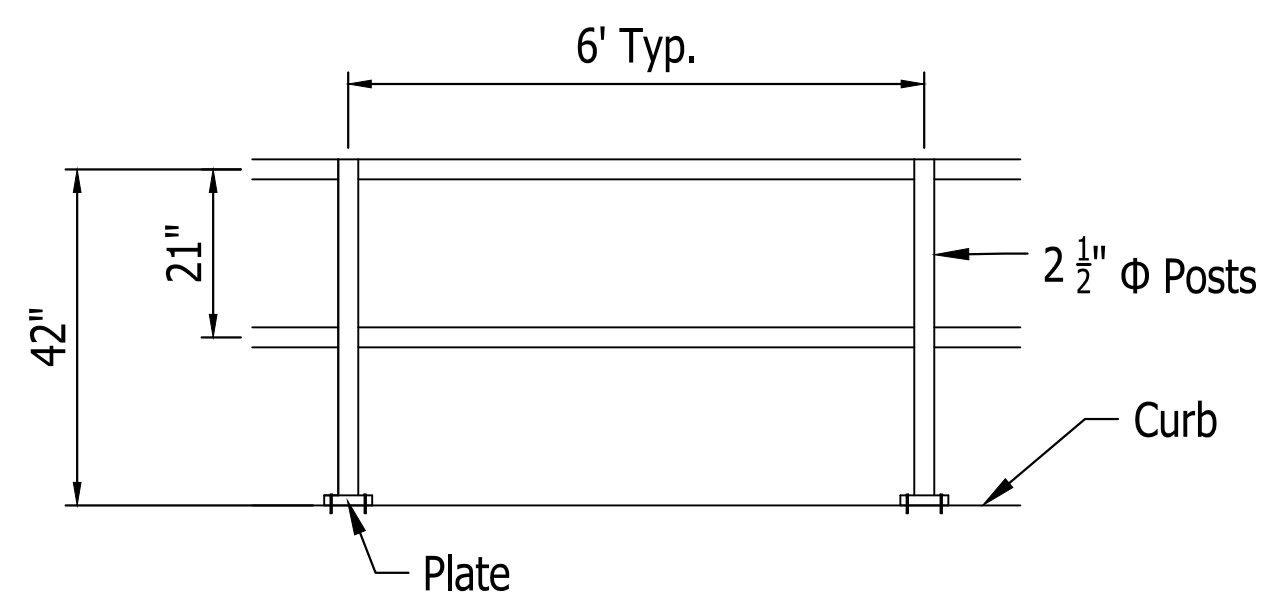
**LEGEND**

- |                                  |  |  |
|----------------------------------|--|--|
| (A) 12 Inch, QC/QA PCCP          | (10) MGS, Guardrail                    | (#) Concrete Curb Ramp                     |
| (F) Sidewalk, Concrete, 4"       | (13) Integral Concrete Curb (Vertical) | (29) Concrete Barrier W/ Catch Fence       |
| (F1) Utility Sidewalk, Concrete  | (14) Concrete Curb, Modified           | (30) Gravel Walking Path                   |
| (P) 4 Inch, PCCP                 | (15) Concrete Curb, Turnout            | (31) Cell Tower                            |
| (R) Mill And Resurface           | (16) Concrete Curb, Notched            | (32) 8" PCCP on 4" Comp. Agg. Base #53     |
| (S) Joints in PCCP, Saw and Seal | (17) Rolled Curb                       | (33) Impact Attenuator (Quadguard II, 24") |
| T.C. = Top of Curb               | (26) Sodding                           | (34) Wheel Stop                            |
| F.P. = Finished Pavement         | (27) Chain Link Fence                  | (35) C.L. Gate                             |
|                                  | (28) Concrete Barrier, 45"             | (36) 15' x 8' Water Vault                  |





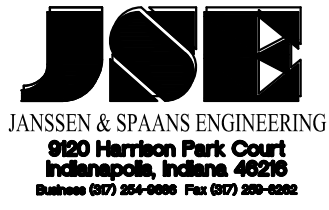
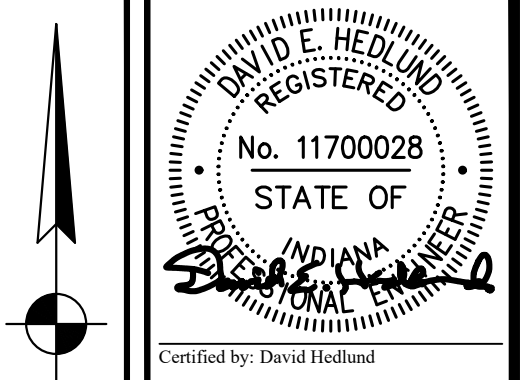
**CURB RAMP NO. 1 and 2 DETAIL**  
SCALE : 1" = 5'



**HANDRAIL DETAIL**  
SCALE : NONE

Curb Ramp 1 and 2							
ID #	Station	Offset	Bottom of Curb Elev. (ft)	Top of Curb Elev. (ft)	Base of Ramp Elev. (ft)	Top of Ramp Elev. (ft)	Turning Space Elev. (ft.)
1	34+90.49	180.95	508.77	509.27	-	509.27	-
2	34+97.49	181.31	508.69	508.69	508.69	-	-
3	35+03.49	181.62	508.62	508.62	508.62	-	-
4	35+09.49	181.93	508.56	509.06	-	509.06	-
5	34+09.83	175.91	509.18	509.18	-	509.18	-
6	35+03.83	175.61	508.74	509.24	508.74	-	-
7	35+03.83	169.32	509.24	509.24	-	509.24	-
8	34+97.83	169.32	509.31	509.67	-	509.31	-
9	34+97.83	175.32	508.81	509.67	508.81	-	-
10	34+90.83	174.96	509.39	509.75	-	509.39	-
11	34+84.49	174.65	509.46	509.84	-	-	-
12	34+97.83	161.50	-	-	509.31	-	509.31
13	34+90.83	161.50	-	-	-	509.75	-
14							
15							
16	34+90.83	145.50	509.39	509.75	-	509.39	-
17	34+97.83	145.50	508.81	509.67	508.81	-	-
18	34+97.83	151.50	509.31	509.67	-	509.31	-
19	35+03.83	151.50	509.24	509.24	-	509.24	-
20	35+03.83	145.50	508.74	509.24	508.74	-	-
21	34+09.83	145.50	509.18	509.18	-	509.18	-
22	34+09.83	139.50	508.56	509.06	-	509.06	-
23	34+03.83	139.50	508.62	508.62	508.62	-	-
24	34+97.83	139.50	508.69	508.69	508.69	-	-
25	34+90.83	139.50	508.77	509.27	-	509.27	-
26	34+84.83	145.50	509.46	509.84	-	-	-
27	34+97.83	155.50	-	-	509.31	-	509.31
28	34+90.83	155.50	-	-	-	509.75	-
29							
30							

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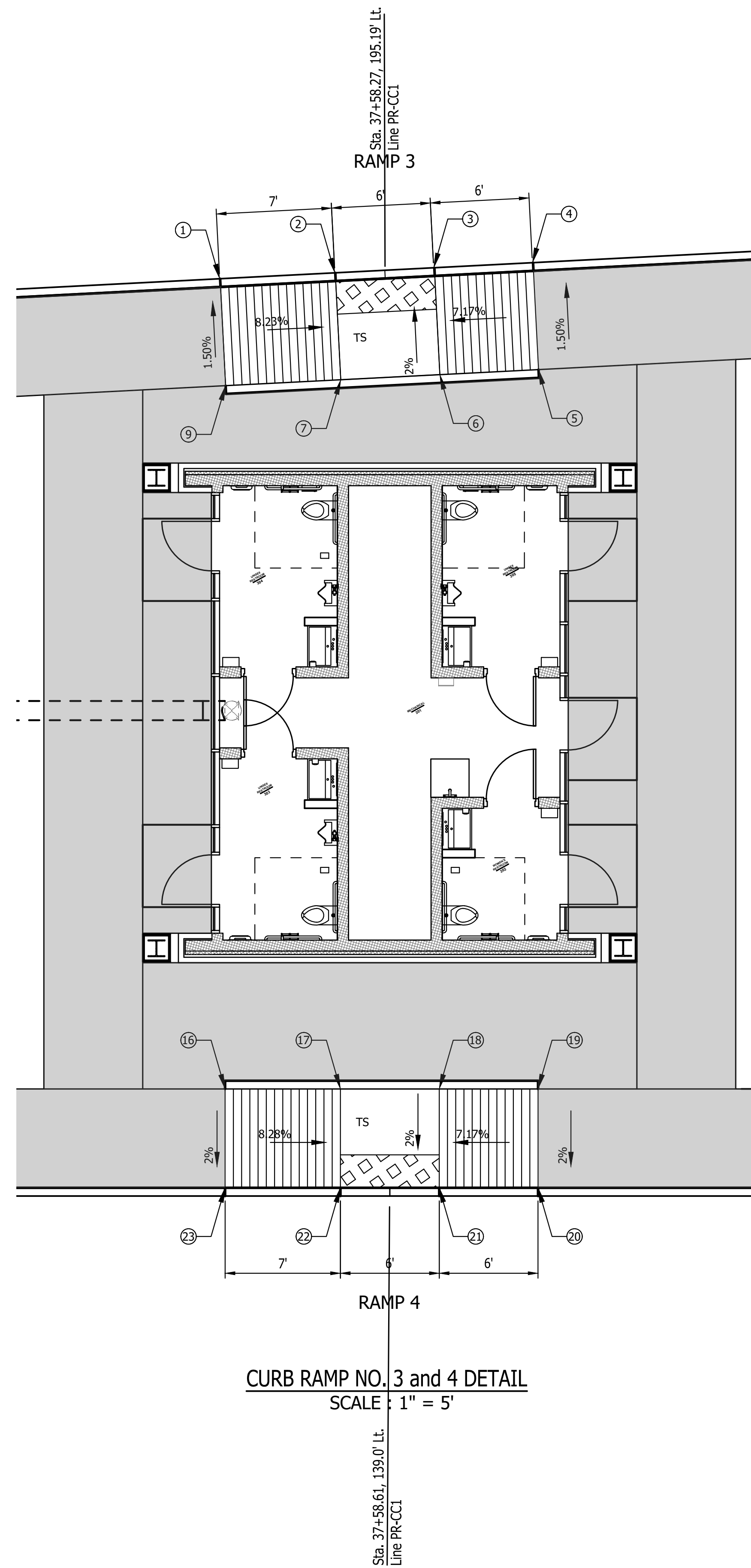


PUBLIC WORKS PROJECT NO. 84003001-22-058-C1  
 CLEAR CREEK WELCOME CENTER  
 VIGO COUNTY, INDIANA

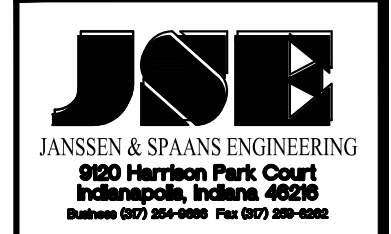
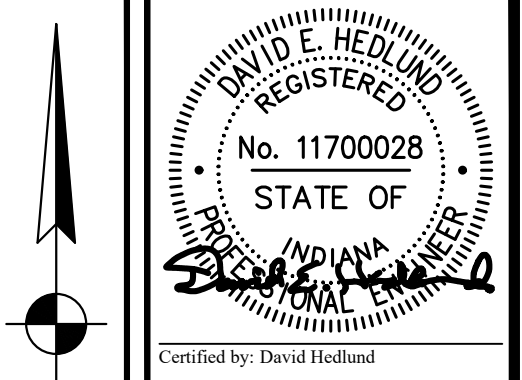


STATE OF INDIANA  
 DEPARTMENT OF ADMINISTRATION  
**PUBLIC WORKS DIVISION**  
 ROOM 9407, INDIANA GOVERNMENT CENTER SOUTH  
 402 WEST WASHINGTON STREET  
 INDIANAPOLIS, INDIANA 46204  
 317-232-3000

Revisions:
Project Number: 84003001-22-058-C1
Requisition Number:
Account Number:
Designer: DEH Drawing Date: 02/23/2023
Drafter: MDR Drawing Scale: 1"=5'
DAPW Approval:
Client Approval:
Reference Number: 1364
Building Reference:
Drawing Number: C120
Sheet: 26 of 155



Curb Ramp 3 and 4							
ID #	Station	Offset	Bottom of Curb Elev. (ft)	Top of Curb Elev. (ft)	Base of Ramp Elev. (ft)	Top of Ramp Elev. (ft)	Turning Space Elev. (ft.)
1	37+48.27	194.68	505.72	506.22	-	506.22	506.22
2	37+55.27	195.04	505.64	505.64	505.64	-	-
3	37+61.28	195.35	505.57	505.57	505.57	-	-
4	37+67.27	195.66	505.50	506.00	-	506.00	506.00
5	37+67.60	189.16	506.12	506.12	-	506.12	506.12
6	37+61.61	188.86	505.69	506.19	505.69	-	-
7	37+55.60	188.55	505.76	505.26	505.76	-	-
8	37+48.61	188.19	506.34	506.34	-	506.34	506.34
9							
10							
11							
12							
13							
14							
15							
16	37+48.61	145.50	506.34	506.34	-	506.34	506.34
17	37+55.61	145.50	505.76	506.26	505.76	-	-
18	37+61.61	145.50	505.69	506.19	505.69	-	-
19	37+67.61	145.50	506.12	506.12	-	506.12	506.12
20	37+67.61	139.50	505.50	506.00	-	506.00	506.00
21	37+61.61	139.50	505.57	505.57	505.57	-	-
22	37+55.61	139.50	505.64	505.64	505.64	-	-
23	37+48.61	139.50	505.72	506.22	-	506.22	506.22
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25							
26							
27							
28							
29							
30							

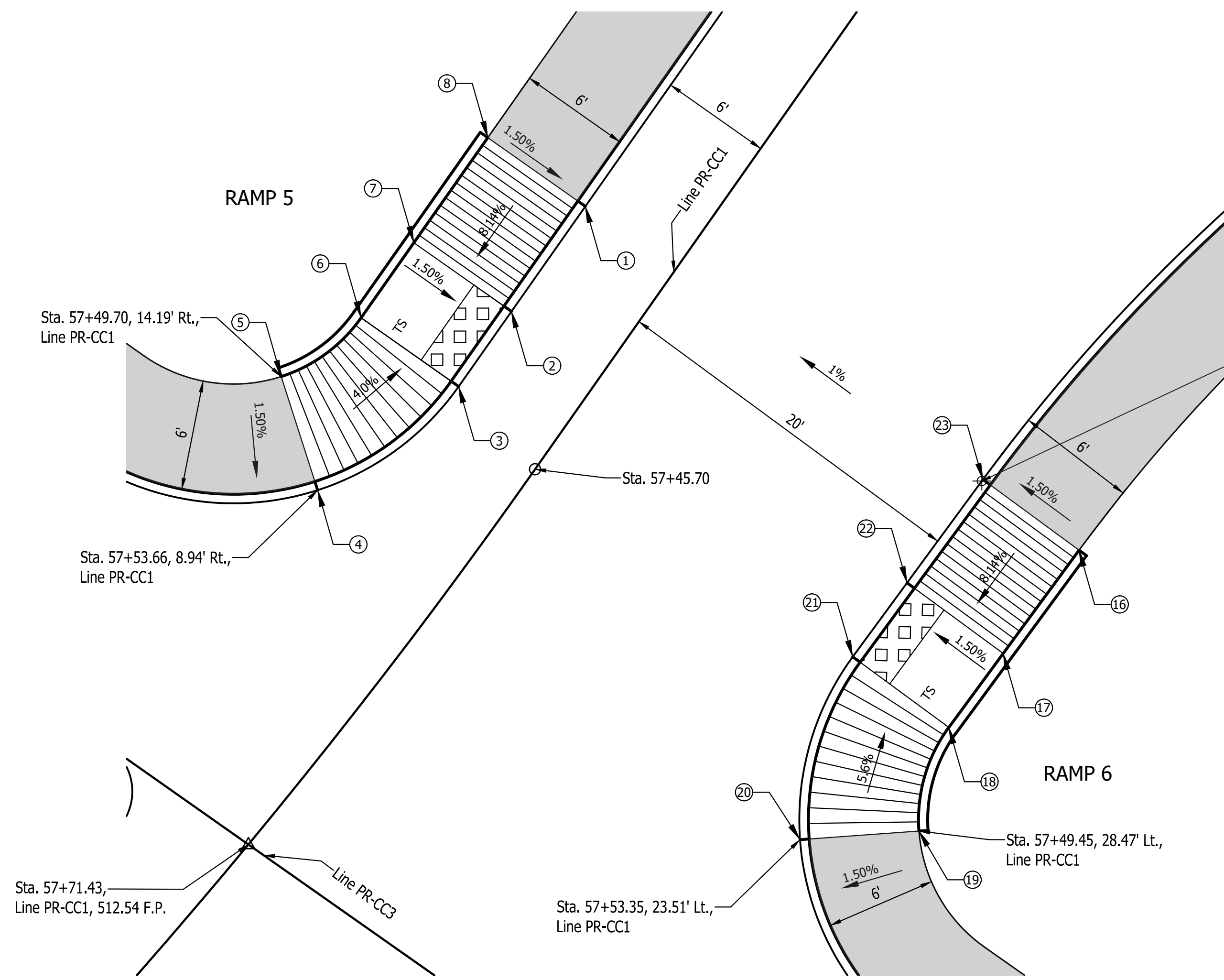


PUBLIC WORKS PROJECT NO. 84003001-22-058-C1  
 CLEAR CREEK WELCOME CENTER  
 VIGO COUNTY, INDIANA



Project Number:	84003001-22-058-C1
Requisition Number:	-
Account Number:	-
Designer:	DEH
Drawing Date:	02/23/2023
Drafter:	MDR
Drawing Scale:	1"=5'
DAPW Approval:	-
Client Approval:	-
Reference Number:	1364
Building Reference:	-
Drawing Number:	C121
Sheet:	27 of 155

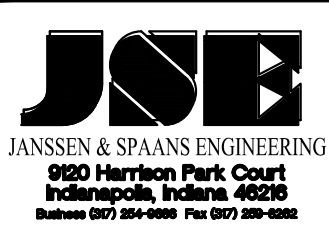
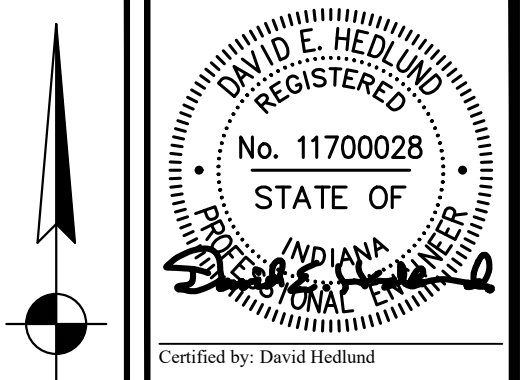
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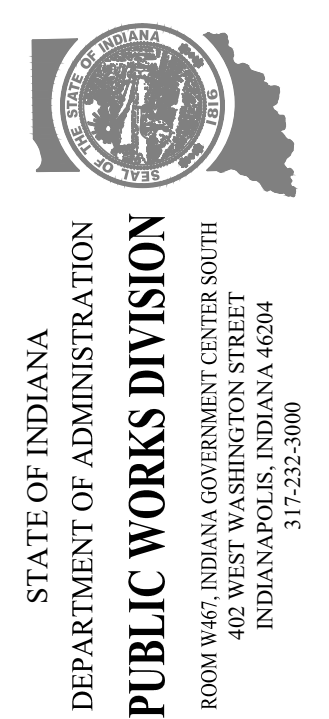
**CURB RAMP NO. 5 and 6 DETAIL**  
SCALE : 1" = 5'

Curb Ramp 5 and 6							
ID #	Station	Offset	Bottom of Curb Elev. (ft)	Top of Curb Elev. (ft)	Base of Ramp Elev. (ft)	Top of Ramp Elev. (ft)	Turning Space Elev. (ft.)
1	57+32.43	6.0'	512.87	513.37	-	513.37	-
2	57+39.43	6.0'	512.80	512.80	512.80	-	-
3	57+44.43	6.0'	512.75	512.75	512.75	-	-
4	57+53.66	8.94'	512.53	513.03	-	513.03	-
5	57+49.70	14.19'	-	513.12	-	513.12	-
6	57+44.43	12.5'	512.84	513.34	512.84	-	512.84
7	57+39.43	12.5'	512.89	513.39	512.89	-	513.39
8	57+32.43	12.5'	513.46	513.46	-	513.46	-
9							
10							
11							
12							
13							
14							
15							
16	57+32.43	26.5'	513.22	513.72	-	513.72	-
17	57+39.43	26.5'	513.15	513.65	513.15	-	513.15
18	57+44.33	26.5'	513.10	513.60	513.10	-	513.10
19	57+49.45	28.47'	-	513.55	-	513.55	-
20	57+53.35	23.51'	512.96	513.46	-	513.46	-
21	57+44.33	20.0'	513.01	513.01	513.01	-	-
22	57+39.43	20.0'	513.06	513.06	513.06	-	-
23	57+32.43	20.0'	513.13	513.63	-	513.63	-
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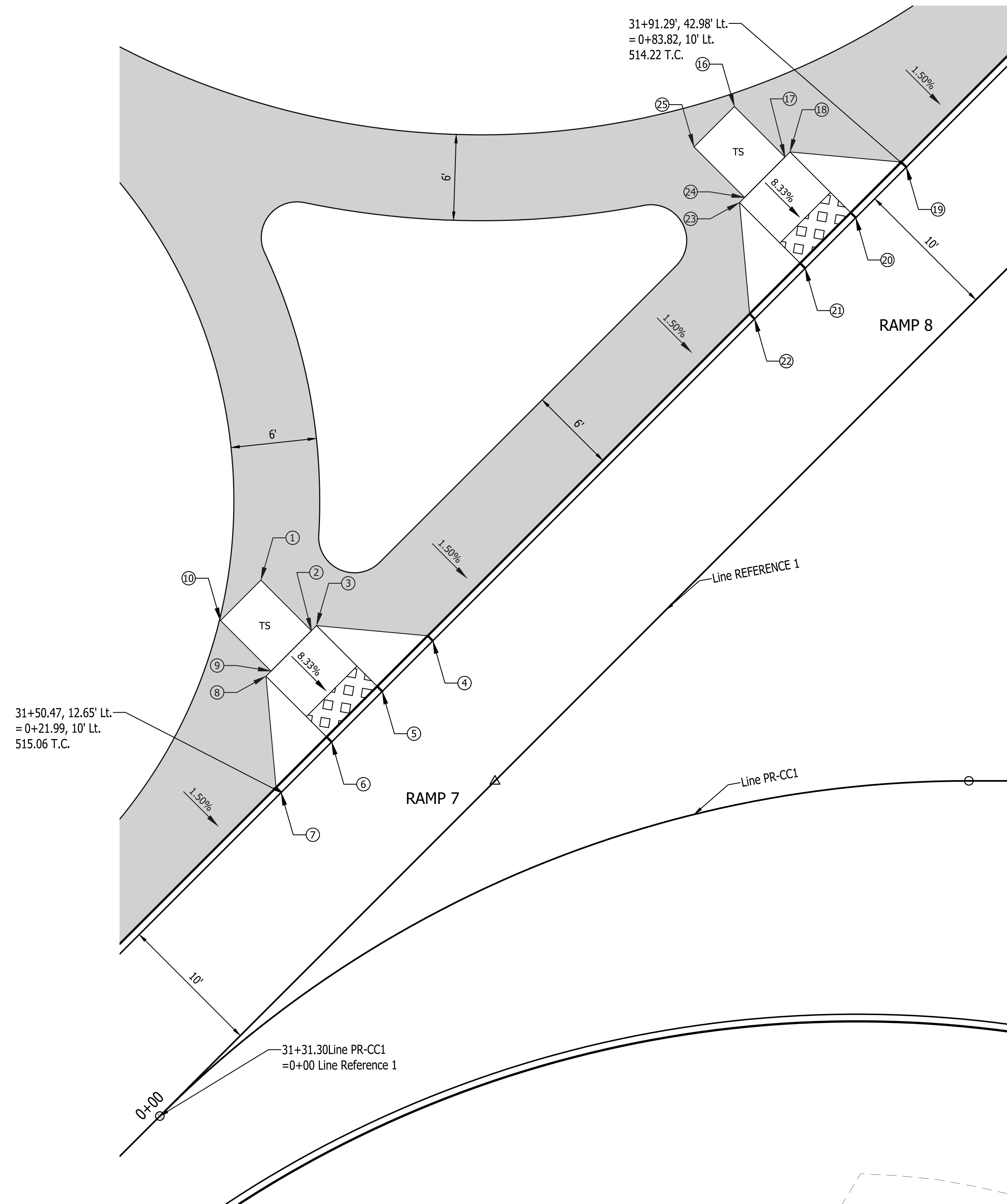


PUBLIC WORKS PROJECT NO. 84003001-22-058-C1  
 CLEAR CREEK WELCOME CENTER  
 VIGO COUNTY, INDIANA



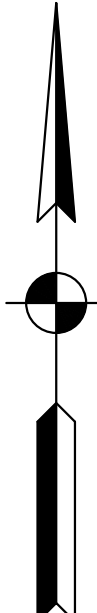
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Requisition Number:	
Account Number:	
Designer:	DEH
Drawing Date:	02/23/2023
Drafter:	MDR
Drawing Scale:	1"=5'
DAPW Approval:	
Client Approval:	
Reference Number:	1364
Building Reference:	
Drawing Number:	C122
Sheet:	28 of 155

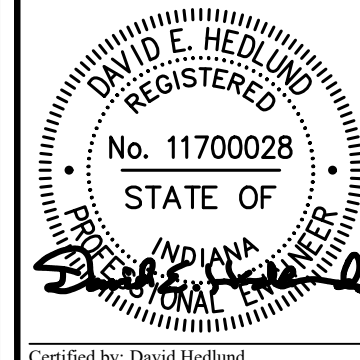
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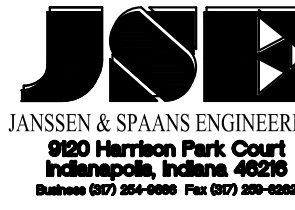
**CURB RAMP NO. 7 and 8 DETAIL**  
 SCALE : 1" = 5'

Curb Ramp 7 and 8							
ID #	Station	Offset	Bottom of Curb Elev. (ft)	Top of Curb Elev. (ft)	Base of Ramp Elev. (ft)	Top of Ramp Elev. (ft)	Turning Space Elev. (ft.)
1	0+32.49	21.50	-	-	-	-	515.01
2	0+32.49	16.50	-	-	-	515.01	515.01
3	0+32.99	16.50	-	-	-	515.01	-
4	0+37.99	10.00	514.35	514.85	-	-	-
5	0+32.99	10.00	514.42	514.42	514.42	-	-
6	0+27.99	10.00	514.49	514.49	514.49	-	-
7	0+22.99	10.00	514.56	515.06	-	-	-
8	0+27.99	16.50	-	-	-	515.08	-
9	0+28.49	16.50	-	-	-	515.08	515.08
10	0+28.49	21.50	-	-	-	-	515.08
11							
12							
13							
14							
15							
16	0+78.32	21.50	-	-	-	-	514.38
17	0+78.32	16.50	-	-	-	514.38	514.38
18	0+78.32	16.50	-	-	-	514.38	-
19	0+83.82	10.00	513.72	514.22	-	-	-
20	0+78.82	10.00	513.79	513.79	513.79	-	-
21	0+73.82	10.00	513.86	513.86	513.86	-	-
22	0+68.82	10.00	513.93	514.43	-	-	-
23	0+73.32	16.50	-	-	-	514.45	-
24	0+74.32	16.50	-	-	-	514.45	514.45
25	0+74.32	21.50	-	-	-	-	514.45
26							
27							
28							
29							
30							







Certified by: David Hedlund



**JSE**  
 JANSSEN & SPAANS ENGINEERING  
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**Applied**  
 Engineering Services

PUBLIC WORKS PROJECT NO. 84003001-22-058-C1  
 CLEAR CREEK WELCOME CENTER  
 VIGO COUNTY, INDIANA



STATE OF INDIANA  
 DEPARTMENT OF ADMINISTRATION  
**PUBLIC WORKS DIVISION**  
 ROOM 3407, INDIANA GOVERNMENT CENTER SOUTH  
 402 WEST WASHINGTON STREET  
 INDIANAPOLIS, INDIANA 46204  
 317-232-3000

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Revisions:

Project Number: **84003001-22-058-C1**

Requisition Number:

Account Number:

Designer: **DEH** Drawing Date: **02/23/2023**

Drafter: **MDR** Drawing Scale: **1"=5'**

DAPW Approval:

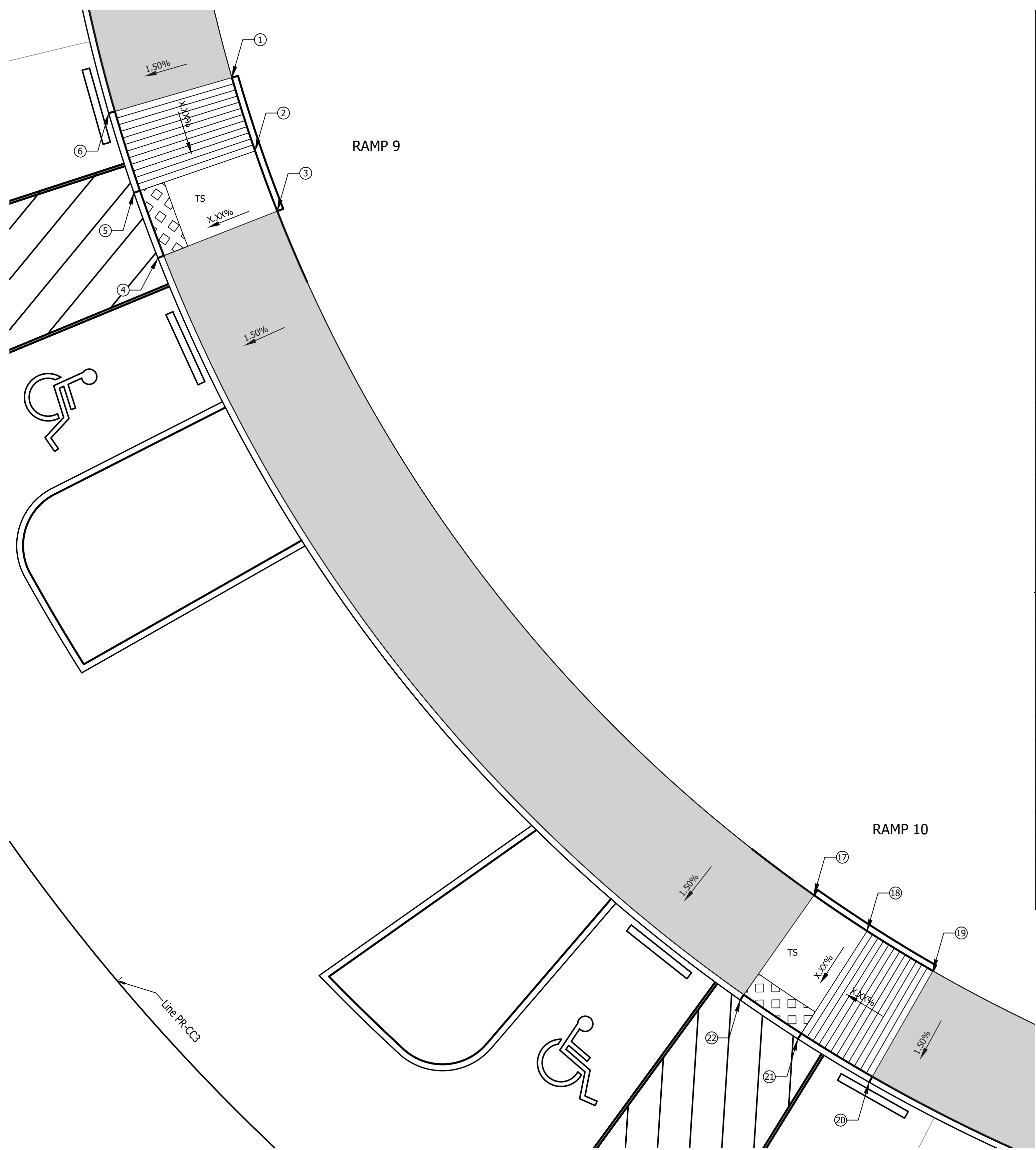
Client Approval:

Reference Number: **1364**

Building Reference:

Drawing Number: **C123**

Sheet: 29 of 155

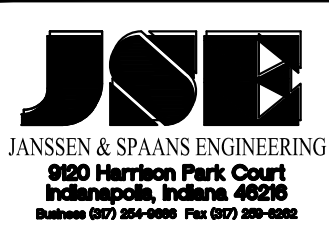
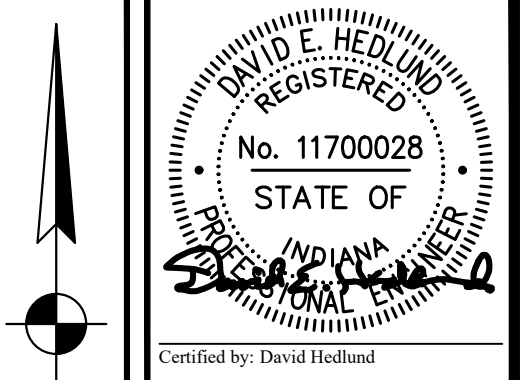


**CURB RAMP NO. 9 and 10 DETAIL**  
 SCALE : 1" = 5'

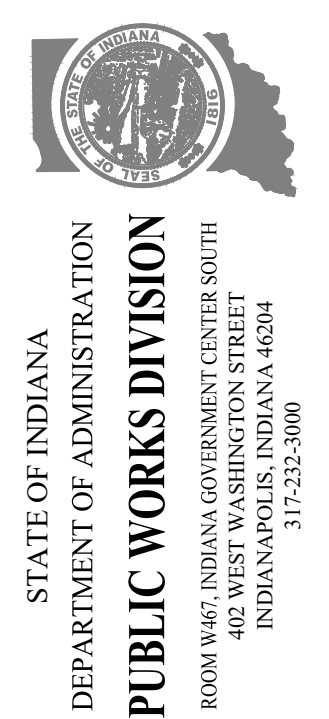
**Curb Ramp 9 and 10**

ID #	Station	Offset	Bottom of Curb Elev. (ft)	Top of Curb Elev. (ft)	Base of Ramp Elev. (ft)	Top of Ramp Elev. (ft)	Turning Space Elev. (ft.)
1	XXX.XX	XXX.XX	XXX.XX	XXX.XX	XXX.XX	XXX.XX	XXX.XX
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
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26							
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28							
29							
30							

Last Saved By: mreed Printed: 2/27/23  
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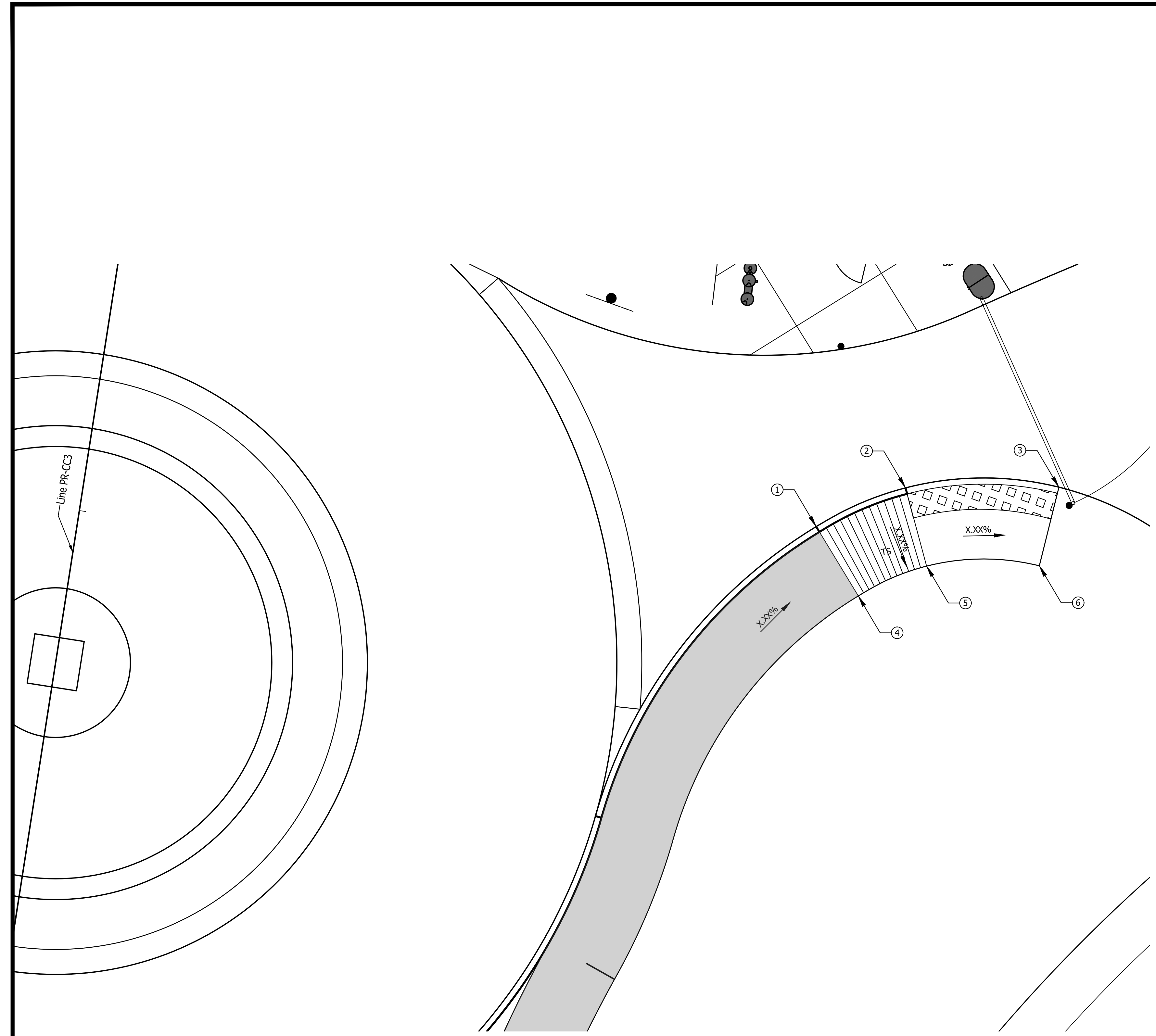


PUBLIC WORKS PROJECT NO. 84003001-22-058-C1  
 CLEAR CREEK WELCOME CENTER  
 VIGO COUNTY, INDIANA



Revisions:
Project Number: 84003001-22-058-C1
Requisition Number:
Account Number:
Designer: DEH Drawing Date: 02/23/2023
Drafter: MDR Drawing Scale: 1"=5'
DAPW Approval:
Client Approval:
Reference Number: 1364
Building Reference:
Drawing Number: C124
Sheet: 30 of 155

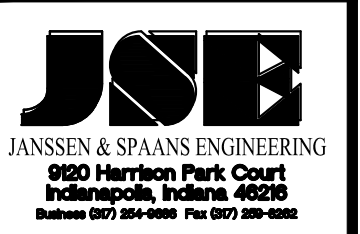
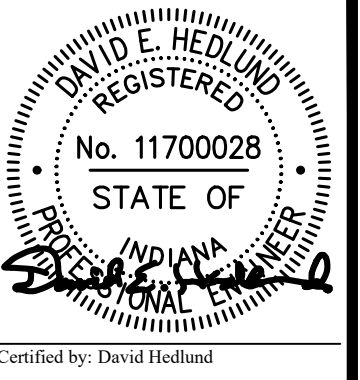
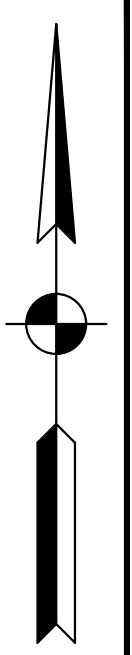
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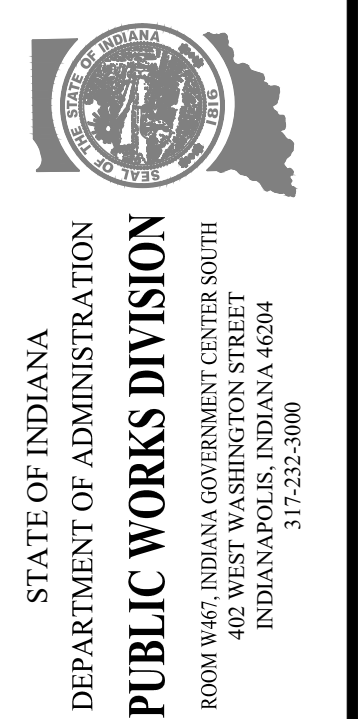
**CURB RAMP NO. 11 DETAIL**  
 SCALE : 1" = 5'

**Curb Ramp 11**

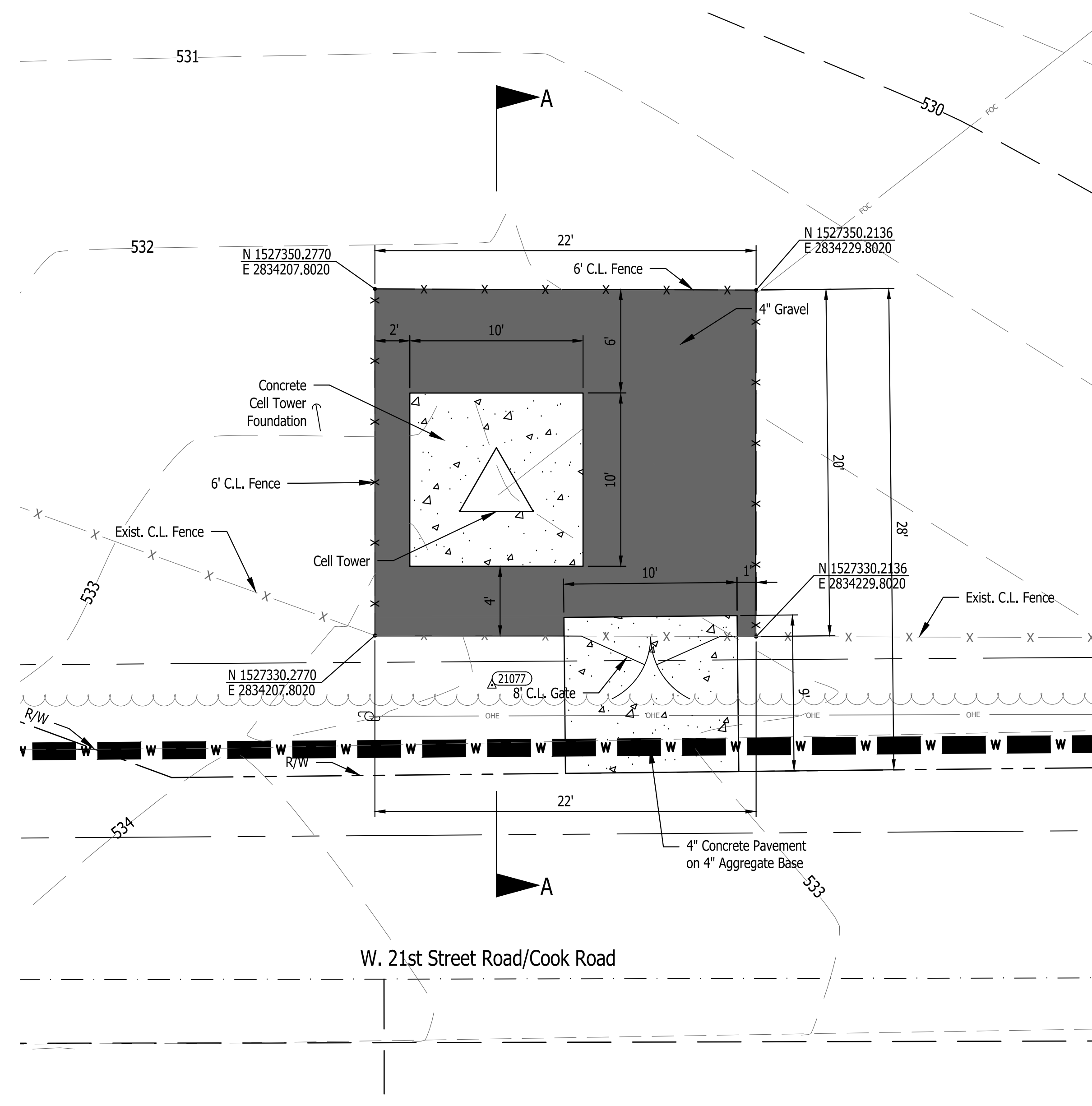
ID #	Station	Offset	Bottom of Curb Elev. (ft)	Top of Curb Elev. (ft)	Base of Ramp Elev. (ft)	Top of Ramp Elev. (ft)	Turning Space Elev. (ft.)
1	XXX.XX	XXX.XX	XXX.XX	XXX.XX	XXX.XX	XXX.XX	XXX.XX
2							
3							
4							
5							
6							
7							
8							
9							
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30							



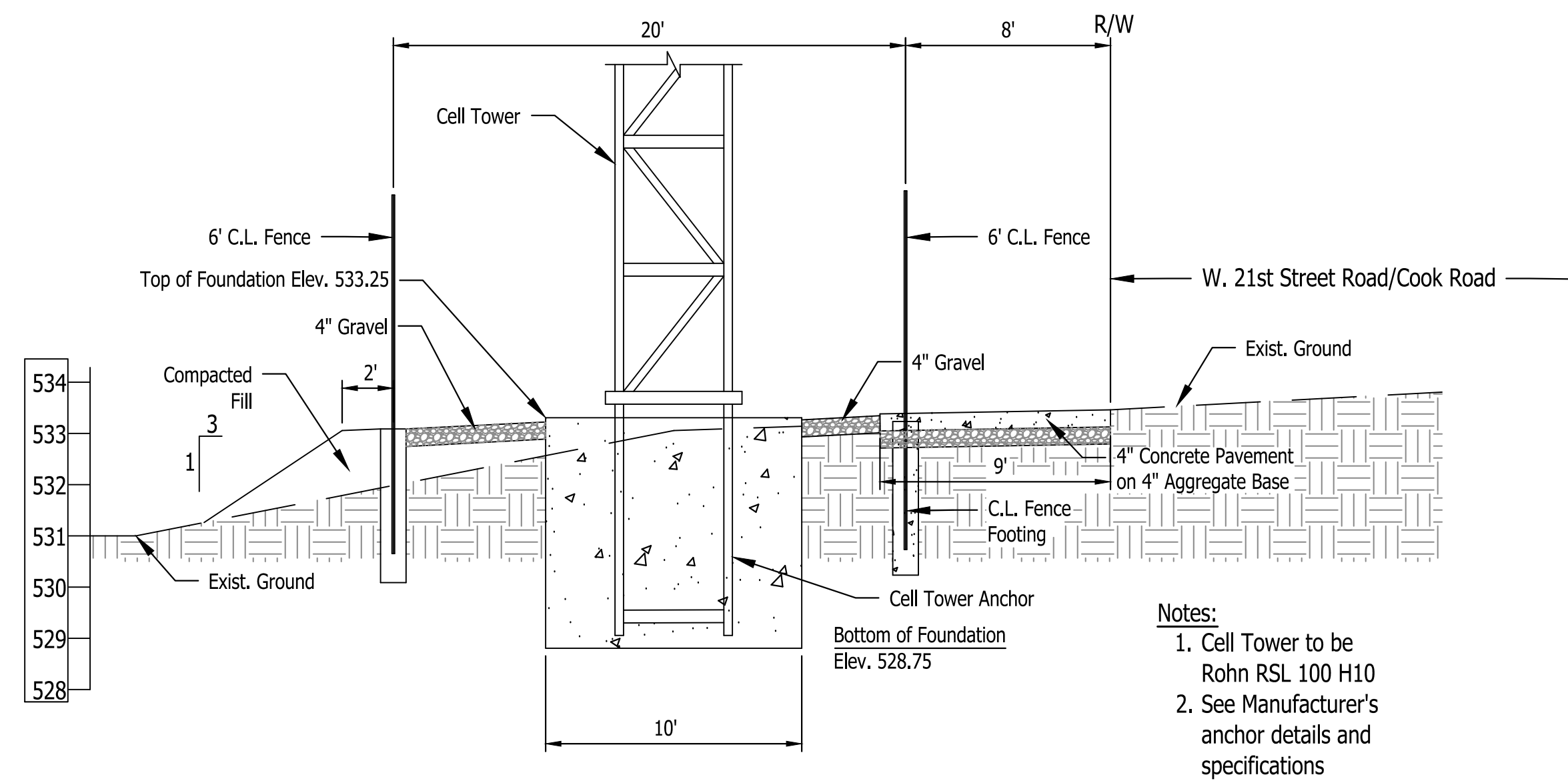
PUBLIC WORKS PROJECT NO. 84003001-22-058-C1  
 CLEAR CREEK WELCOME CENTER  
 VIGO COUNTY, INDIANA



Revisions:  
 Project Number: 84003001-22-058-C1  
 Requisition Number:  
 Account Number:  
 Designer: DEH Drawing Date: 02/23/2023  
 Drafter: MDR Drawing Scale: 1"=5'  
 DAPW Approval:  
 Client Approval:  
 Reference Number: 1364  
 Building Reference:  
 Drawing Number: C125  
 Sheet: 31 of 155

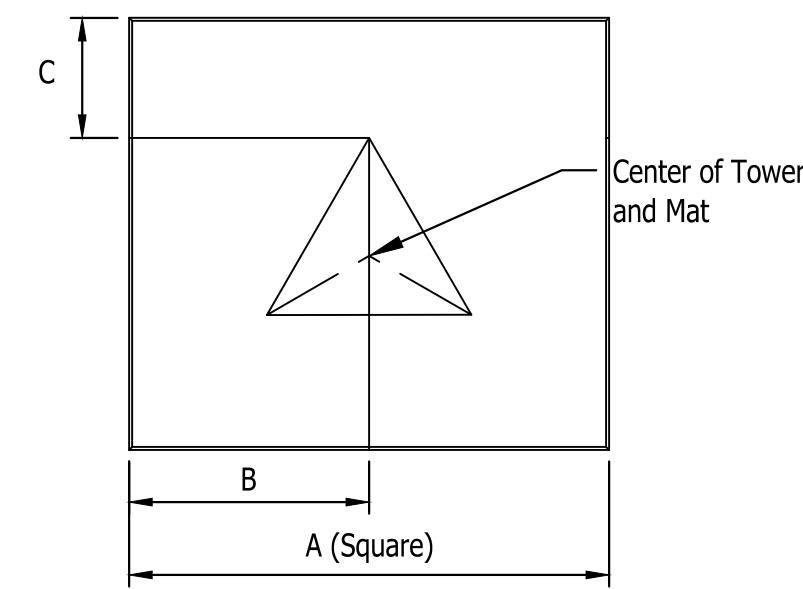


**CELL TOWER DETAIL**  
SCALE : 1" = 5'



**SECTION A-A**  
SCALE : Horiz. 1" = 5'  
Vert. 1" = 2.5'

- Notes:
1. Cell Tower to be Rohn RSL 100 H10
  2. See Manufacturer's anchor details and specifications

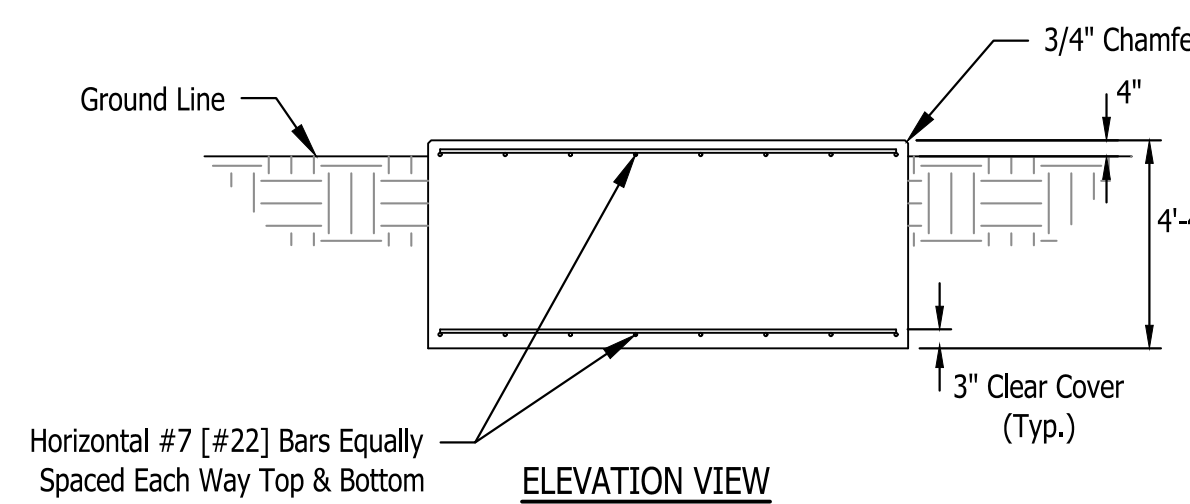


**PLAN VIEW**

BASE SECTION REFERENCE	NOMINAL FACE WIDTH	FOUDATION DIMENSIONS			CONCRETE	TOTAL #7 [#22]
		A	B	C		
10	4'-3"	10'-0"	5'-0"	2'-6"	16.0 yd <sup>3</sup>	48

**ROHN RSL 100H10 TECHNICAL SPECIFICATIONS**

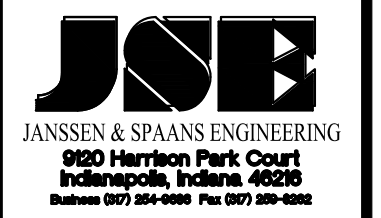
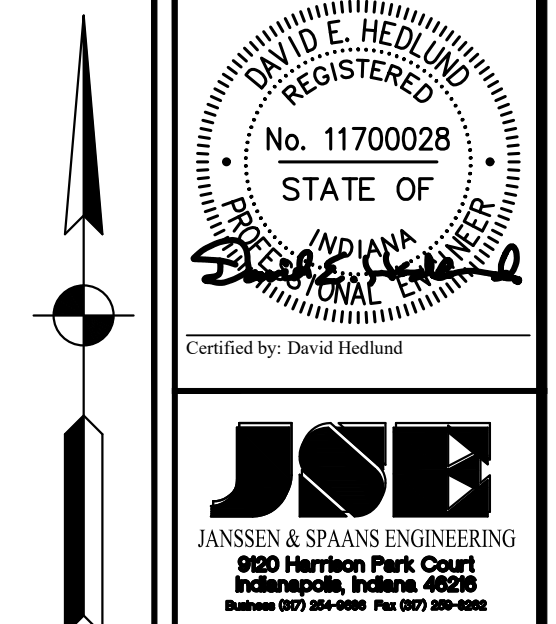
- height 100'
- section size, top 21"
- section size, bottom 51"
- base footing 10' x 10' x 4'-4", (16 cu. yds.)



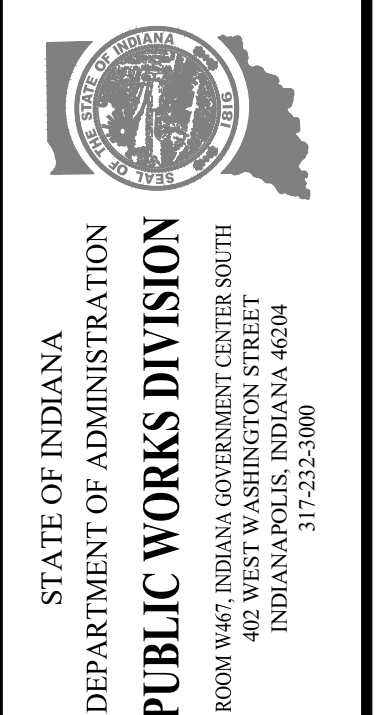
**ELEVATION VIEW**

**STANDARD MAT FOUNDATION DETAILS**  
SCALE: None

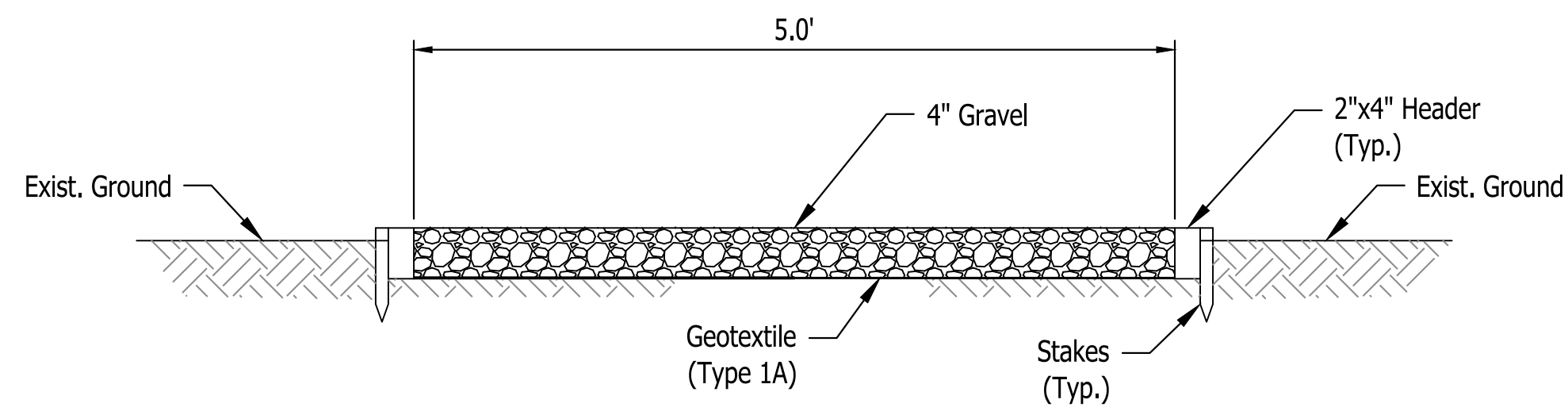
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PUBLIC WORKS PROJECT NO. 84003001-22-058-C1  
CLEAR CREEK WELCOME CENTER  
VIGO COUNTY, INDIANA

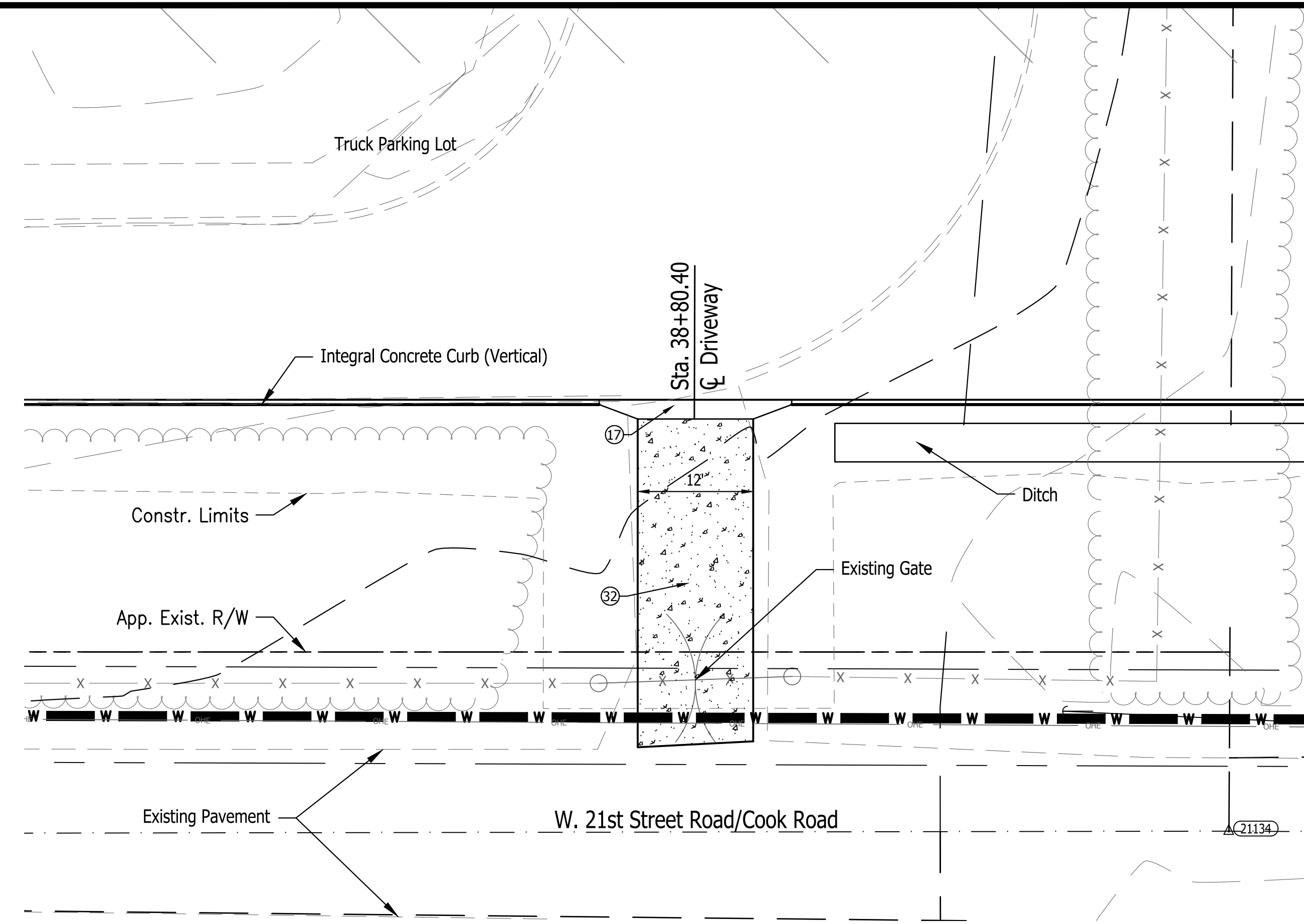


Project Number:	84003001-22-058-C1
Requestion Number:	
Account Number:	
Designer:	DEH
Drawing Date:	02/23/2023
Drafter:	MDR
Drawing Scale:	AS SHOWN
Client Approval:	
Reference Number:	1364
Building Reference:	
Drawing Number:	C126
Sheet:	32 of 155



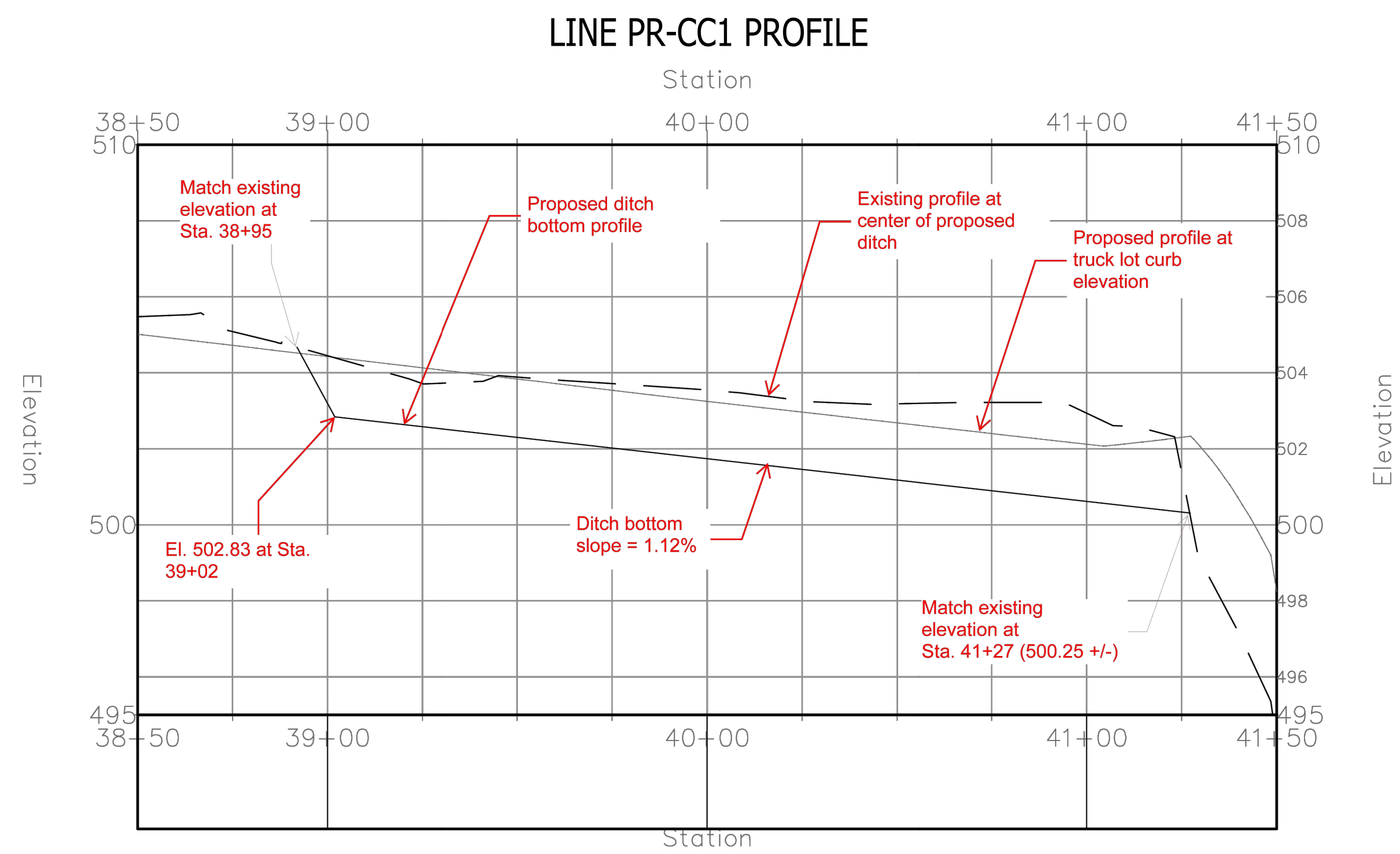
- Notes:**
1. The walking path is intended to meander thru the wooded area along the ridge between the ditch along I-70 and the intermittent stream.
  2. The location of the pathway shall be cleared of all debris and organic material.
  3. The 2"x4" header boards shall have stakes attached @ each end of boards.
  4. Where walking path crosses low-lying areas subject to possible drainage flows, Contractor to place compacted fill and drainage pipes beneath walking path as directed by the Engineer.

**WALKING PATH DETAIL**  
SCALE: None

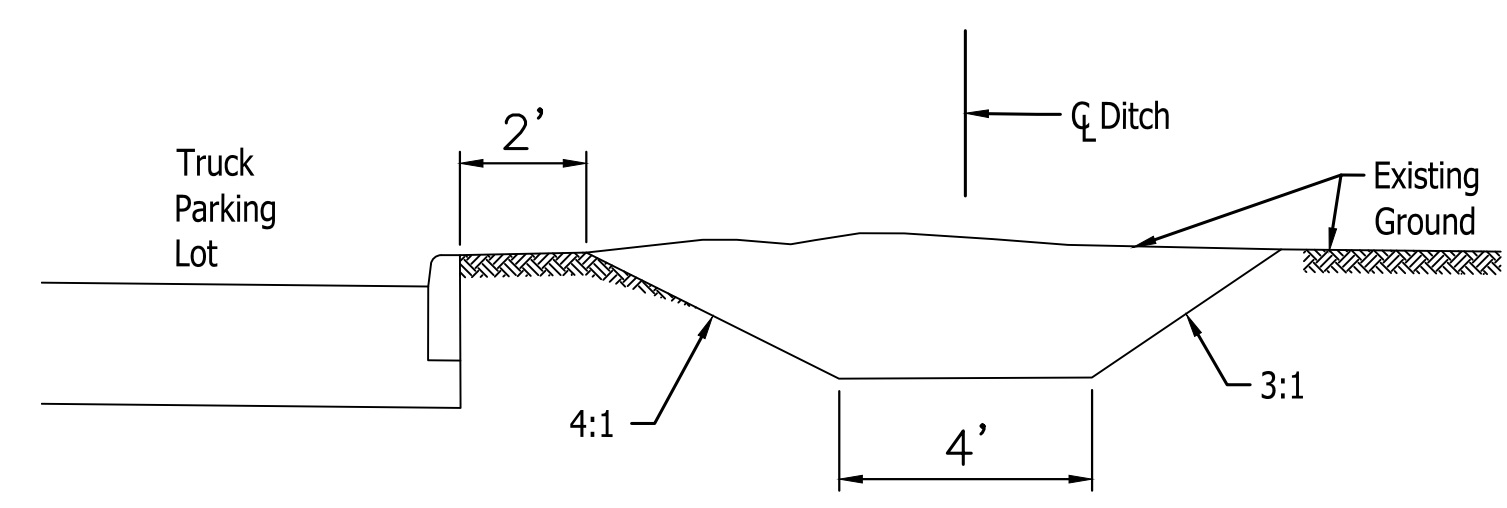


- Notes:**
1. Remove exist. & construct new 20' Chain link gate per INDOT Std. Dwg. E603-CLTF-03.
  2. Construct 8" PCCP on 4" Aggregate Base Driveway. Match Existing Pavement on W. 21st Street Road.
  3. Provide swale across driveway at location of road side ditch.
  4. Provide lock For Town of West Terre Haute

**DRIVEWAY ACCESS DETAIL**  
SCALE : 1" = 10'



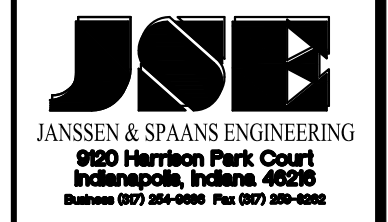
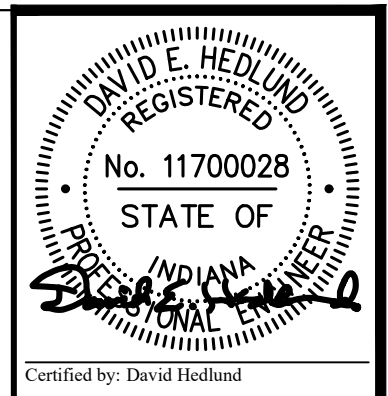
**Ditch Profile**  
Scale : None



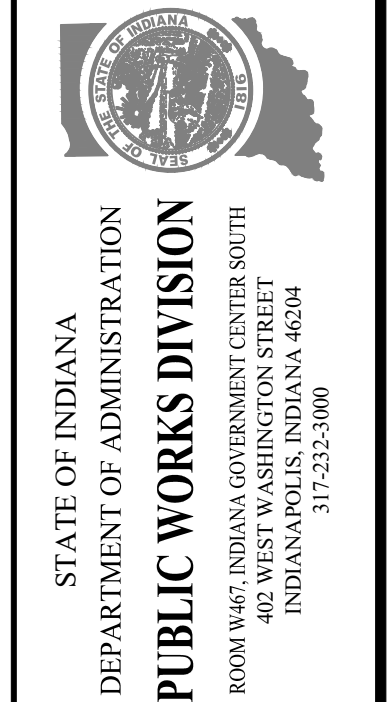
**Ditch Typical Section**  
Scale : None

**LEGEND**

- |                                  |  |  |
|----------------------------------|--|--|
| (A) 12 Inch, QC/QA PCCP          | (10) MGS, Guardrail                    | (#) Concrete Curb Ramp                     |
| (F) Sidewalk, Concrete, 4"       | (13) Integral Concrete Curb (Vertical) | (29) Concrete Barrier W/ Catch Fence       |
| (F1) Utility Sidewalk, Concrete  | (14) Concrete Curb, Modified           | (30) Gravel Walking Path                   |
| (P) 4 Inch, PCCP                 | (15) Concrete Curb, Turnout            | (31) Cell Tower                            |
| (R) Mill And Resurface           | (16) Concrete Curb, Notched            | (32) 8" PCCP on 4" Comp. Agg. Base #53     |
| (S) Joints in PCCP, Saw and Seal | (17) Rolled Curb                       | (33) Impact Attenuator (Quadguard II, 24") |
| T.C. = Top of Curb               | (26) Sodding                           | (34) Wheel Stop                            |
| F.P. = Finished Pavement         | (27) Chain Link Fence                  | (35) C.L. Gate                             |
|                                  | (28) Concrete Barrier, 45"             | (36) 15' x 8' Water Vault                  |

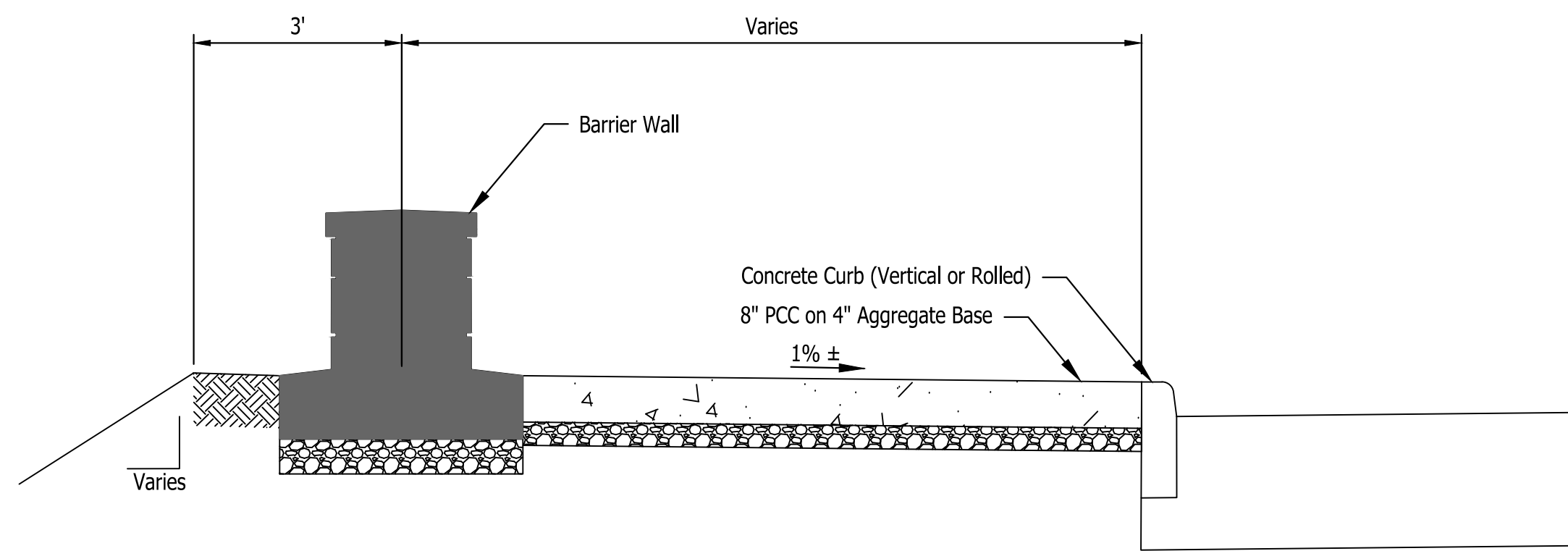


PUBLIC WORKS PROJECT NO. 84003001-22-058-C1  
CLEAR CREEK WELCOME CENTER  
VIGO COUNTY, INDIANA



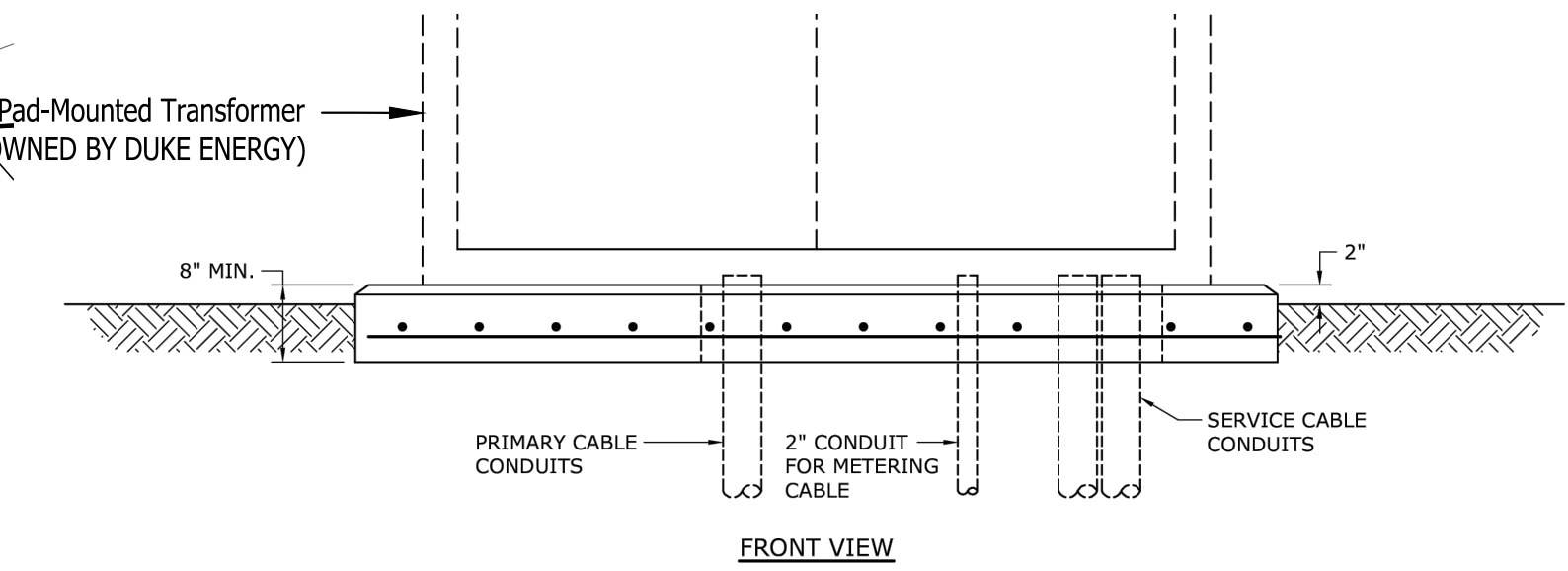
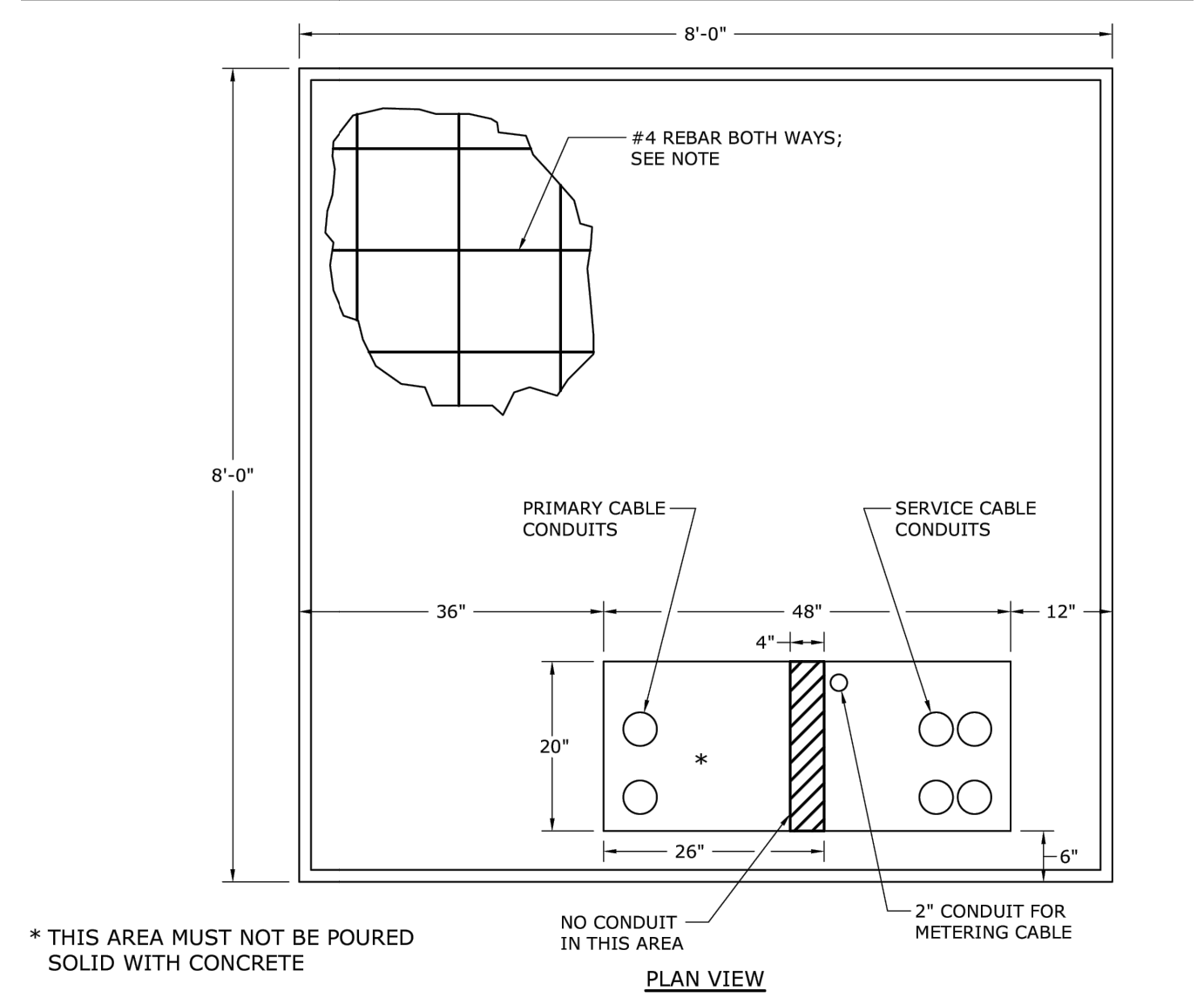
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Requestion Number:	-
Account Number:	-
Designer:	DEH
Drawing Date:	02/23/2023
Drafter:	MDR
Drawing Scale:	AS SHOWN
DAPW Approval:	-
Client Approval:	-
Reference Number:	1364
Building Reference:	-
Drawing Number:	C127
Sheet:	33 of 155





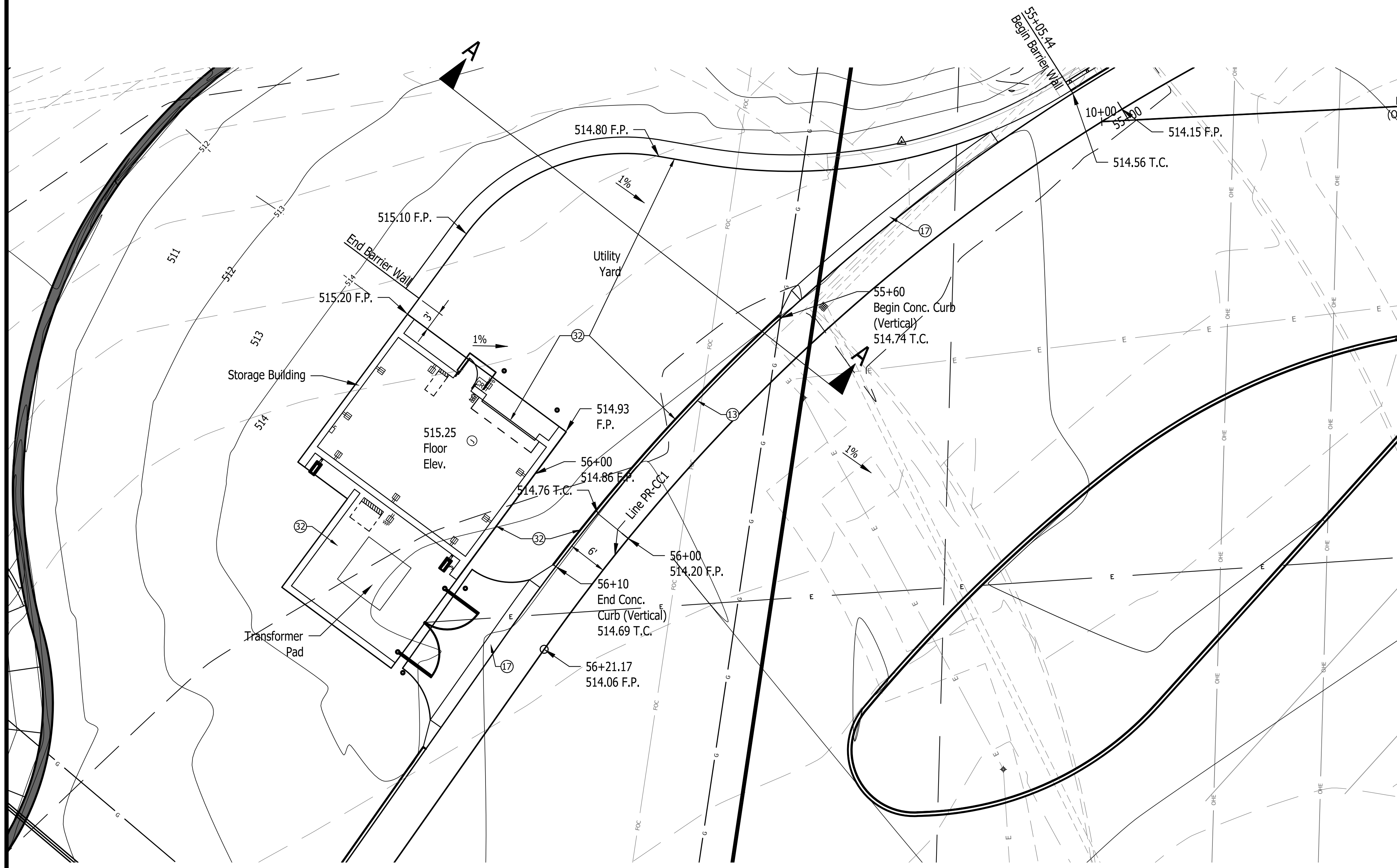
SECTION A-A  
SCALE : 1"=2'

Notes:  
1. See Barrier Wall Details on Sht. C129



TRANSFORMER PAD DETAILS  
SCALE : NONE

Notes:  
1. THE TRANSFORMER PAD SHALL BE ON A BED OF GRANULAR FILL MATERIALS THAT HAS BEEN COMPACTED PRIOR TO POURING CONCRETE.  
2. THE SURFACE OF THE TRANSFORMER PAD SHALL BE FLAT, SMOOTH AND LEVEL WITHIN 1" IN ALL DIRECTIONS.  
3. THE EDGE OF THE TRANSFORMER PAD SHALL HAVE A 1" BEVEL FORMED INTO THE TOP EDGE.



STORAGE BUILDING PAVING PLAN DETAIL  
SCALE : 1"=10'

LEGEND

- |                                  |  |  |
|----------------------------------|--|--|
| (A) 12 Inch, QC/QA PCCP          | (10) MGS, Guardrail                    | (#) Concrete Curb Ramp                     |
| (F) Sidewalk, Concrete, 4"       | (13) Integral Concrete Curb (Vertical) | (29) Concrete Barrier W/ Catch Fence       |
| (FI) Utility Sidewalk, Concrete  | (14) Concrete Curb, Modified           | (30) Gravel Walking Path                   |
| (P) 4 Inch, PCCP                 | (15) Concrete Curb, Turnout            | (31) Cell Tower                            |
| (R) Mill And Resurface           | (16) Concrete Curb, Notched            | (32) 8" PCCP on 4" Comp. Agg. Base #53     |
| (S) Joints in PCCP, Saw and Seal | (17) Rolled Curb                       | (33) Impact Attenuator (Quadguard II, 24") |
| T.C. = Top of Curb               | (26) Sodding                           | (34) Wheel Stop                            |
| F.P. = Finished Pavement         | (27) Chain Link Fence                  | (35) C.L. Gate                             |
|                                  | (28) Concrete Barrier, 45"             | (36) 15' x 8' Water Vault                  |

DAVID E. HELDUNG  
REGISTERED  
No. 11700028  
STATE OF INDIANA  
Professional Engineer  
Certified by David Hedlund

**JOE**  
JANSSEN & SPAANS ENGINEERING  
9920 Harrison Park Court  
Indianapolis, Indiana 46228  
Business (317) 255-6000 Fax (317) 255-6000

**synthesis**

**RATIO**  
LANDSCAPE ARCHITECTURE  
101 S Pennsylvania St.  
Indianapolis, IN 46204  
T: 317.238.4699  
www.ratiodesign.com

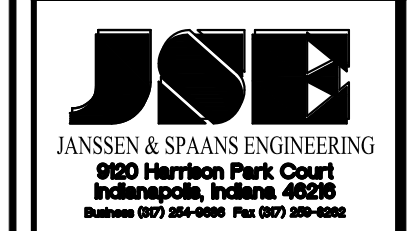
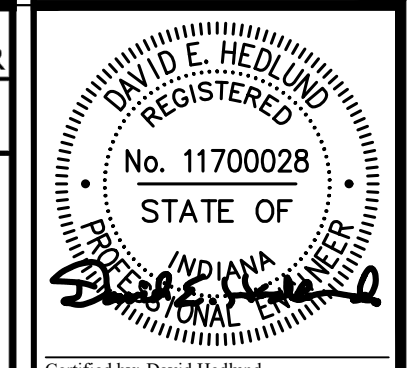
**Applied**  
Engineering Services

PUBLIC WORKS PROJECT NO. 84003001-22-058-C1  
CLEAR CREEK WELCOME CENTER  
VIGO COUNTY, INDIANA

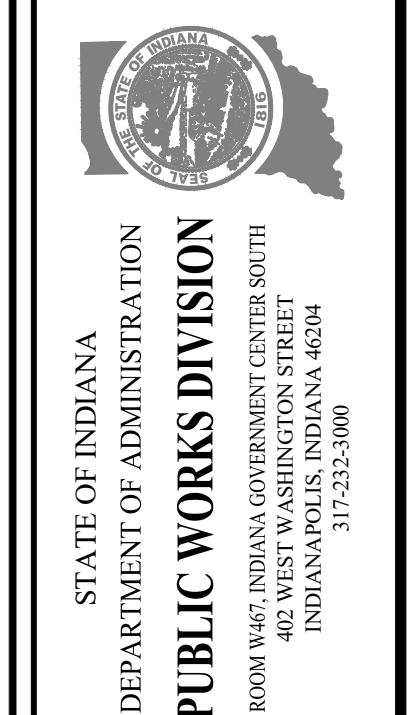
STATE OF INDIANA  
DEPARTMENT OF ADMINISTRATION  
**PUBLIC WORKS DIVISION**  
ROOM 1667 INDIANA GOVERNMENT CENTER SOUTH  
400 N. MERIDIAN AVENUE  
INDIANAPOLIS, INDIANA 46204  
317-232-3000

Project Number: 84003001-22-058-C1  
Requestion Number:  
Account Number:  
Designer: DEH Drawing Date: 02/23/2023  
Drafter: MDR Drawing Scale: AS SHOWN  
Client Approval:  
Reference Number: 1364  
Building Reference:  
Drawing Number: C128  
Sheet: 34 of 155

STATE	PROJECT	SHEET NUMBER



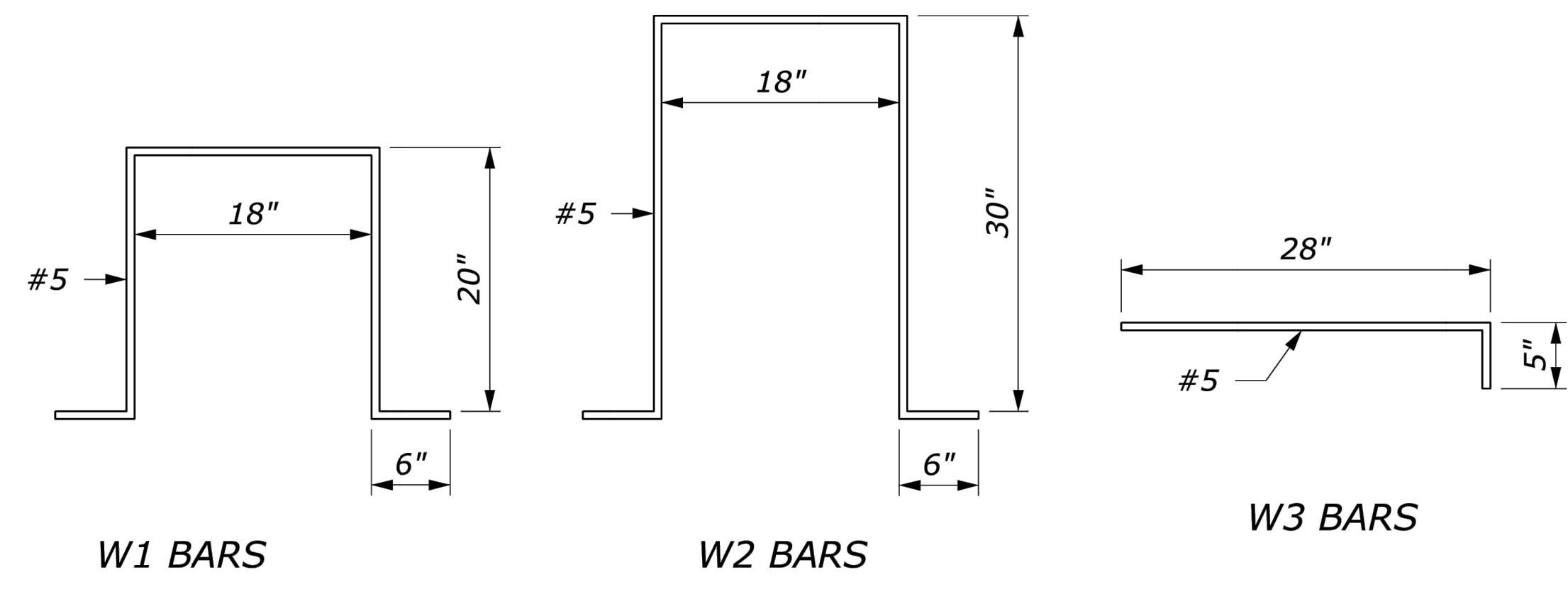
PUBLIC WORKS PROJECT NO. 84003001-22-058-C1  
 CLEAR CREEK WELCOME CENTER  
 VIGO COUNTY, INDIANA



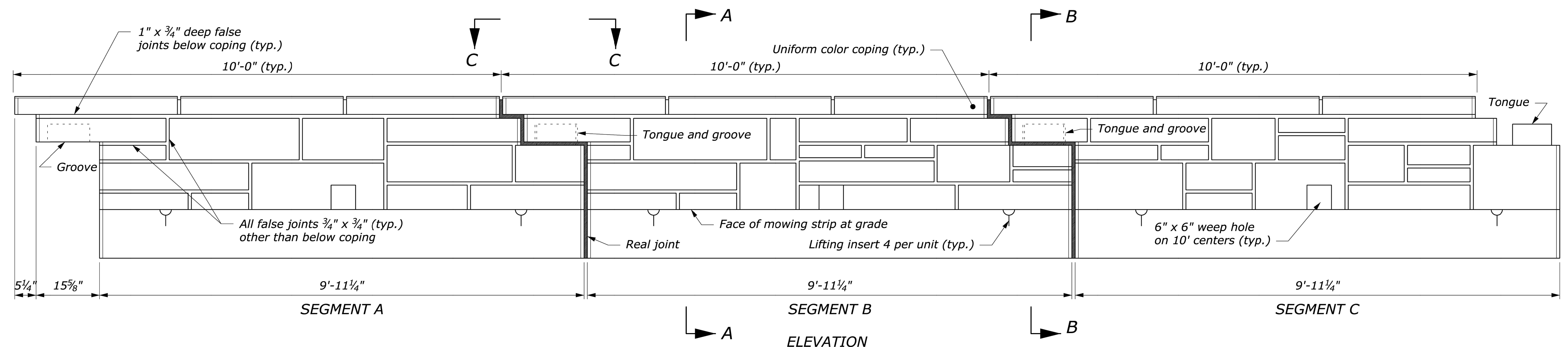
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Requestion Number:	
Account Number:	
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Drawing Date:	02/23/2023
Drafter:	MDR
Drawing Scale:	NONE
DAPW Approval:	
Client Approval:	
Reference Number:	1364
Building Reference:	
Drawing Number:	C129
Sheet:	35 of 155

Design Speed (mph)	Shy Line Offset (ft)	Flare Rate (a:b)	
		Inside Shy Line	Outside Shy Line
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50	6.5	21:1	11:1
40	4.5	16:1	8:1
30 and less	3.5	13:1	7:1

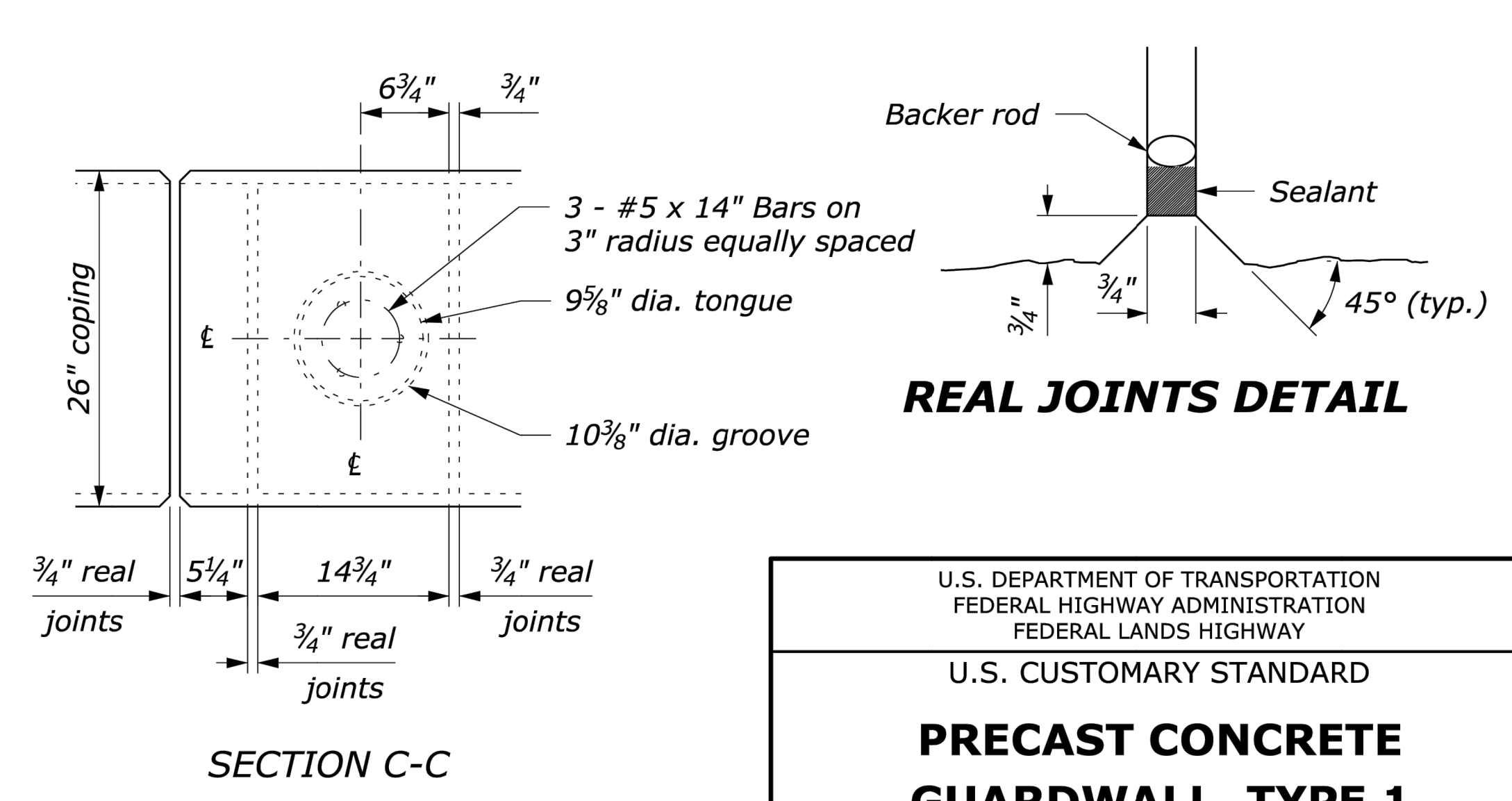
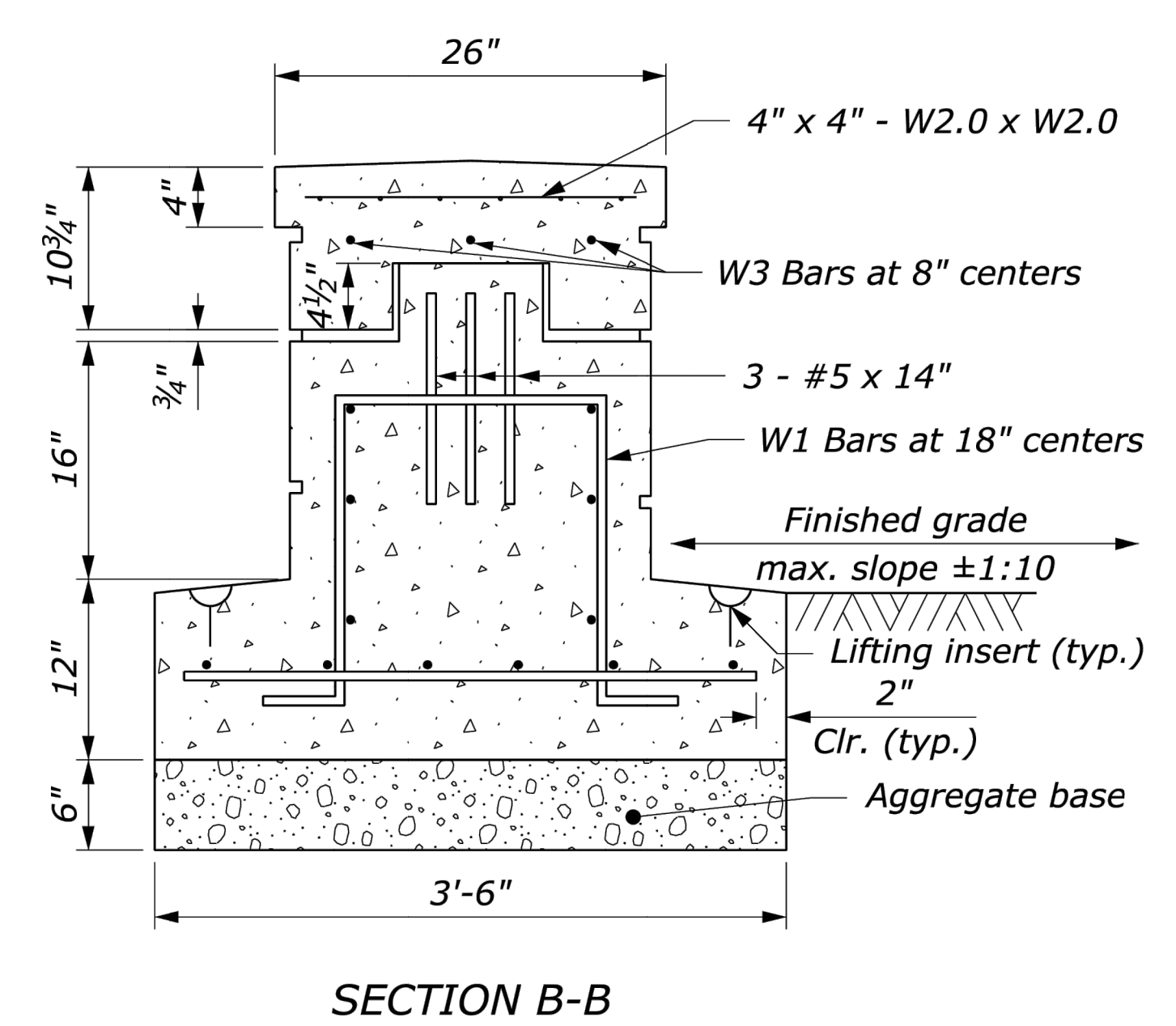
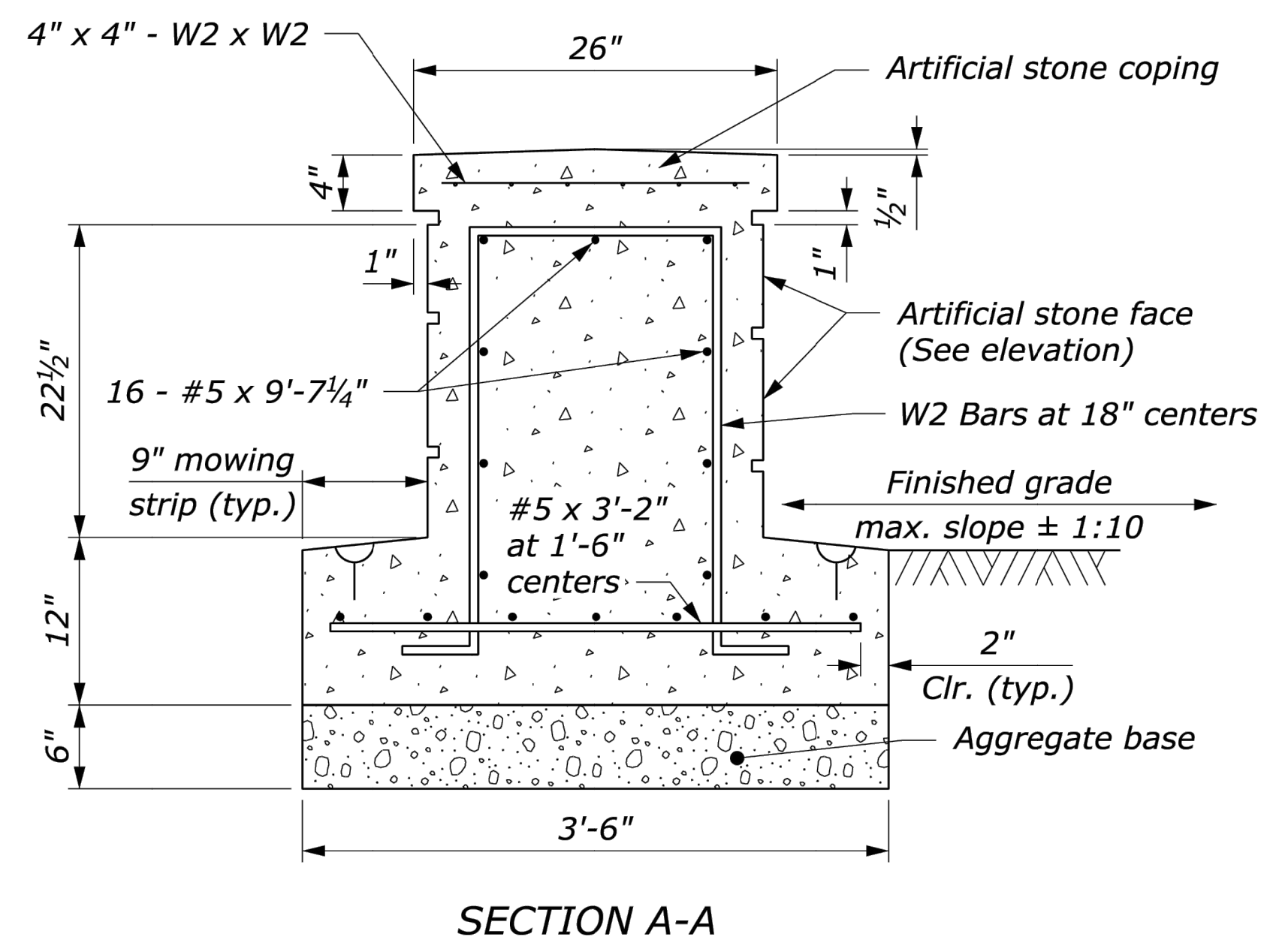
- NOTE:**
- Each unit consists of three segments each of which have a different random masonry pattern as shown. All three segments are to interlock with each other to vary the order.
  - Sealant for the real joint covers the perimeter joint of the capstone, sides, and top and sides of the footing.
  - Precast the entire wall section; no cast-in-place is allowed.
  - Minimum concrete cover 2" unless shown otherwise.



**BENDING DIAGRAMS**



**PRECAST CONCRETE GUARDWALL**

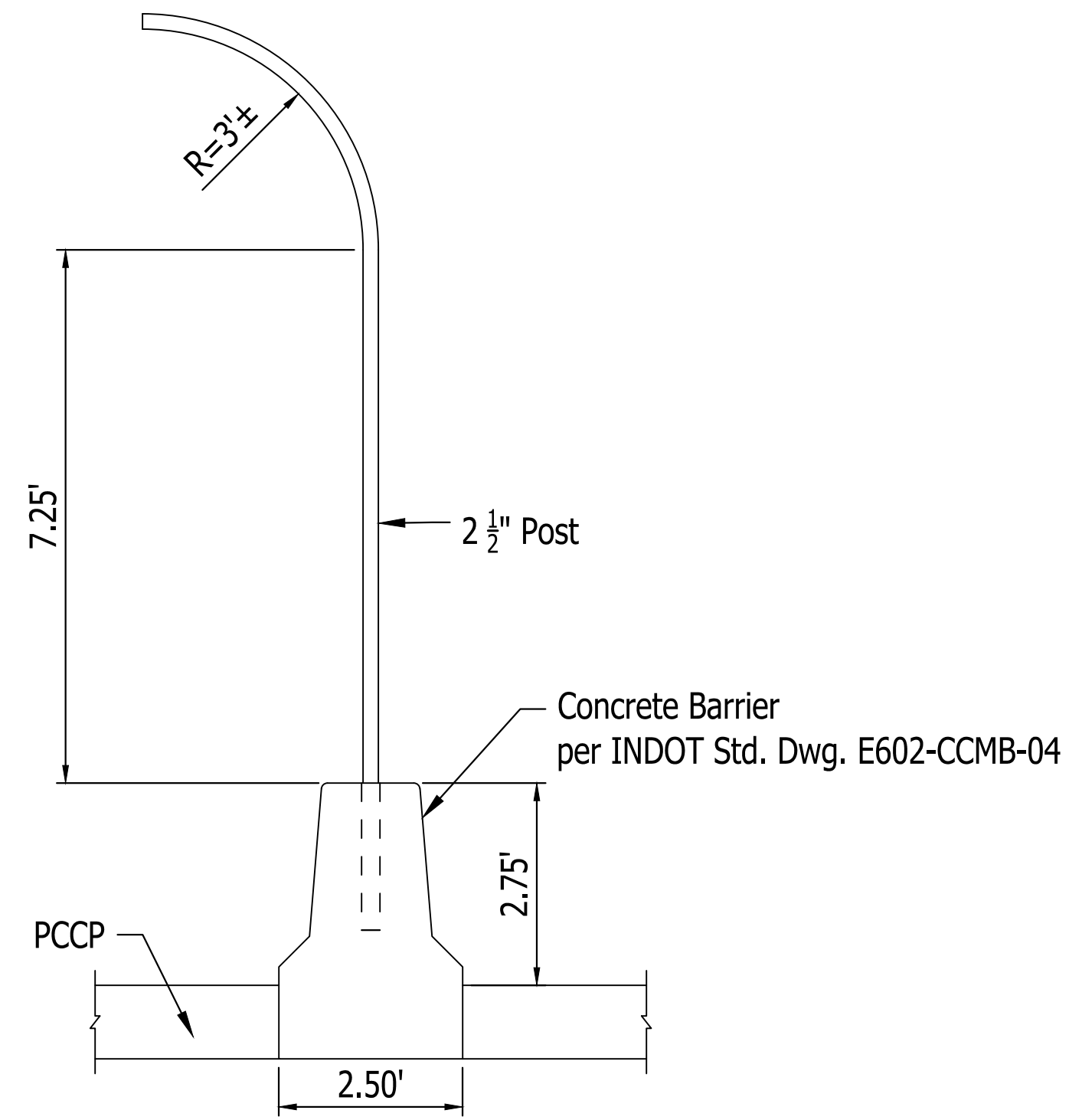


U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION FEDERAL LANDS HIGHWAY	
U.S. CUSTOMARY STANDARD	
<b>PRECAST CONCRETE GUARDWALL, TYPE 1</b>	
STANDARD APPROVED FOR USE 3/1990	STANDARD 618-2
REVISED: 4/1994 6/2005	

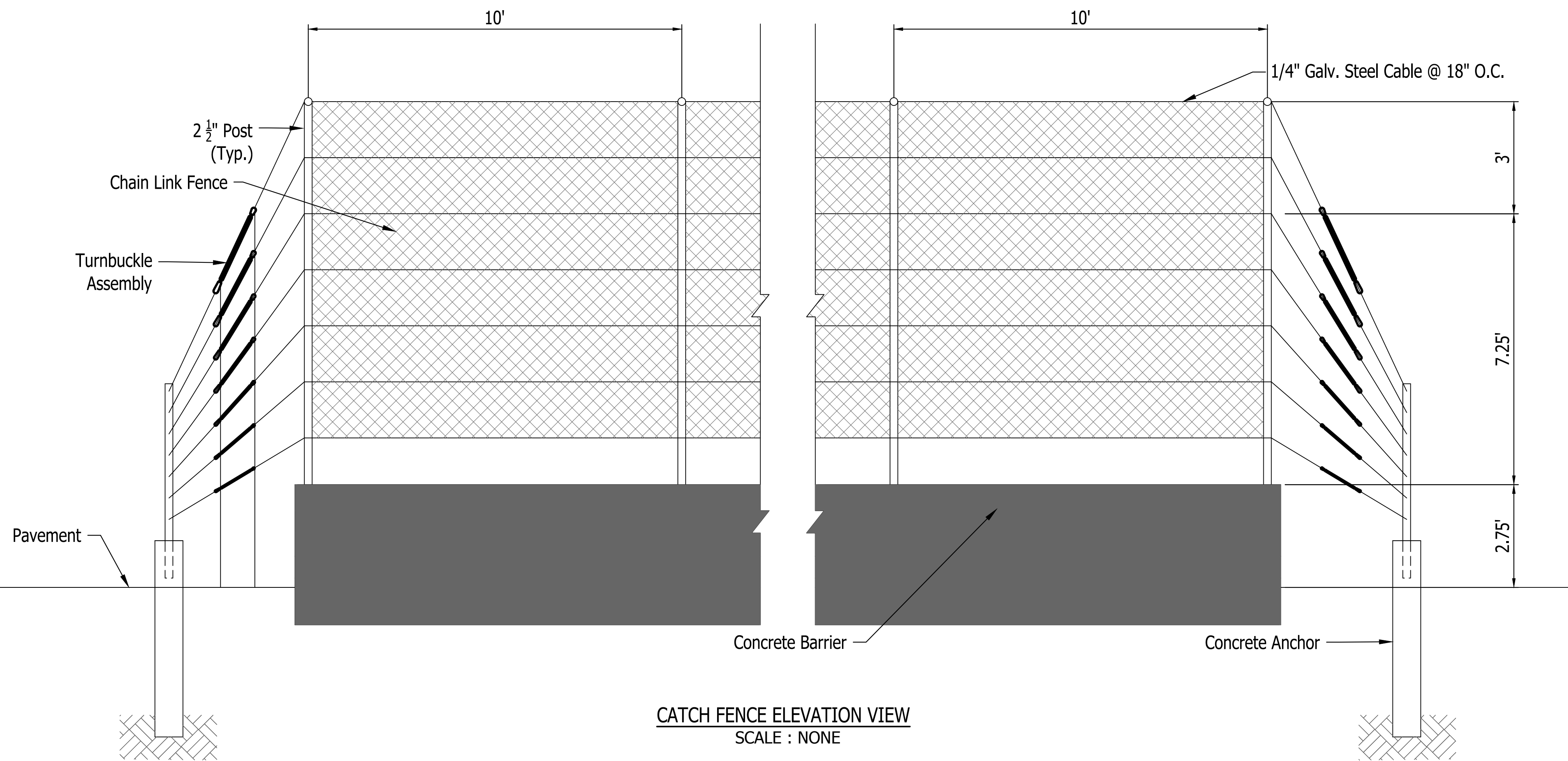
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**3-D ILLUSTRATION**  
SCALE : NONE



**TYPICAL SECTION**  
SCALE : NONE



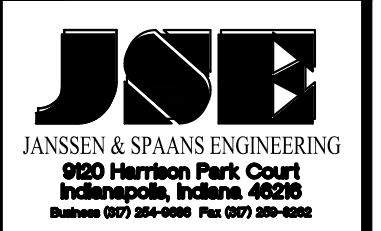
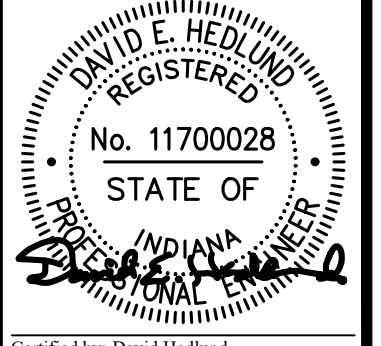
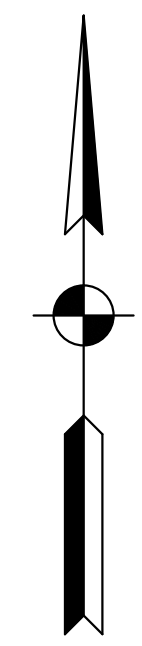
**CATCH FENCE ELEVATION VIEW**  
SCALE : NONE

**Notes:**

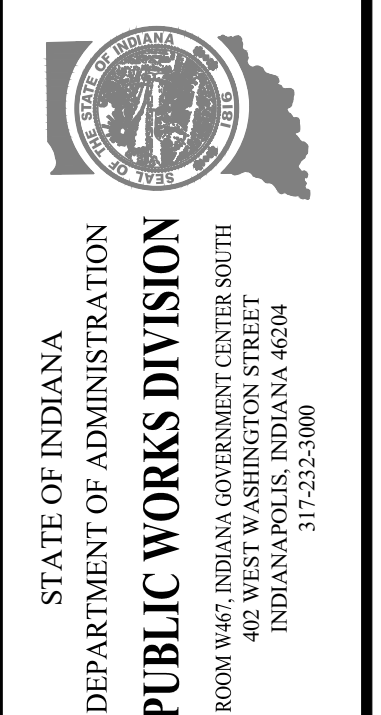
1. Catch Fence to be per Design of Steven Steel Supply, a Division of Midway Structural Pipe and Supply or approved equal.
2. Chain Line Fence to be per INDOT Std. Dwg. No. E603-CLTF-01

**LEGEND**

(A) 12 Inch, QC/QA PCCP	(10) MGS, Guardrail	(#) Concrete Curb Ramp
(F) Sidewalk, Concrete, 4"	(13) Integral Concrete Curb (Vertical)	(29) Concrete Barrier W/ Catch Fence
(FI) Utility Sidewalk, Concrete	(14) Concrete Curb, Modified	(30) Gravel Walking Path
(P) 4 Inch, PCCP	(15) Concrete Curb, Turnout	(31) Cell Tower
(R) Mill And Resurface	(16) Concrete Curb, Notched	(32) 8" PCCP on 4" Comp. Agg. Base #53
(S) Joints in PCCP, Saw and Seal	(17) Rolled Curb	(33) Impact Attenuator (Quadguard II, 24")
T.C. = Top of Curb	(26) Sodding	(34) Wheel Stop
F.P. = Finished Pavement	(27) Chain Link Fence	(35) C.L. Gate
	(28) Concrete Barrier, 45"	(36) 15' x 8' Water Vault

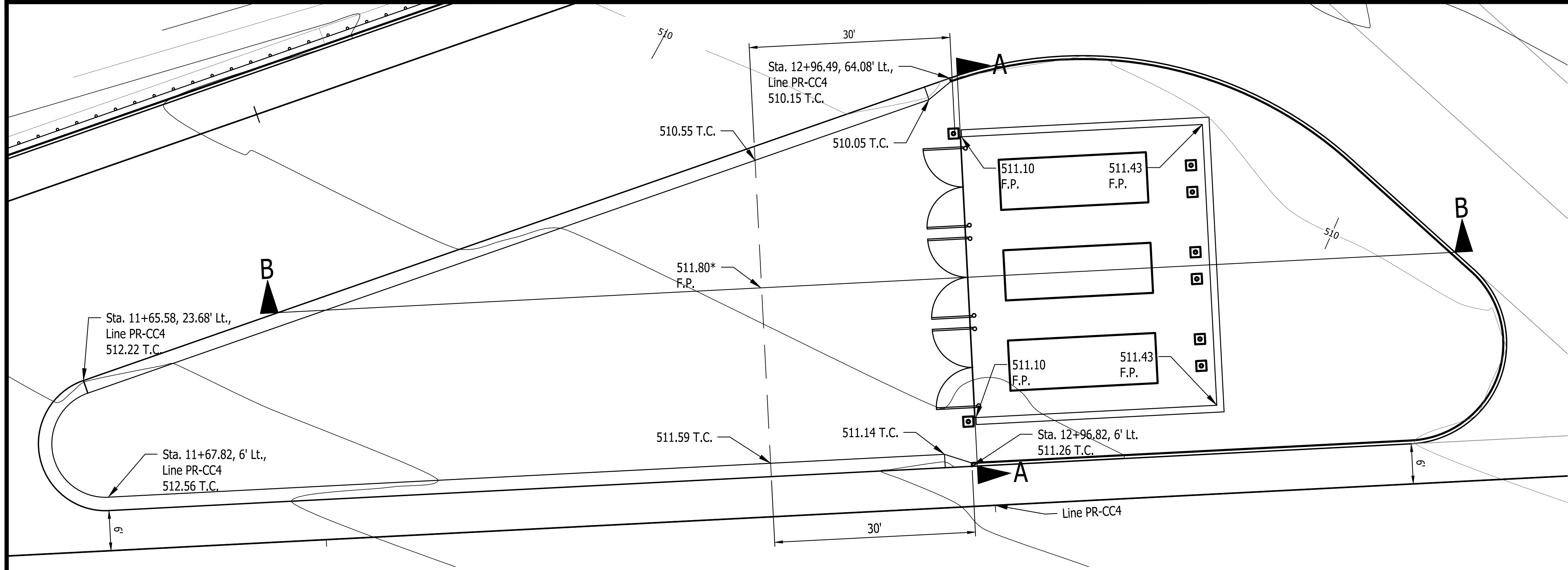


PUBLIC WORKS PROJECT NO. 84003001-22-058-C1  
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VIGO COUNTY, INDIANA



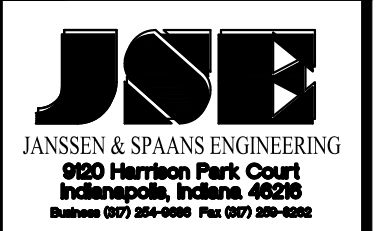
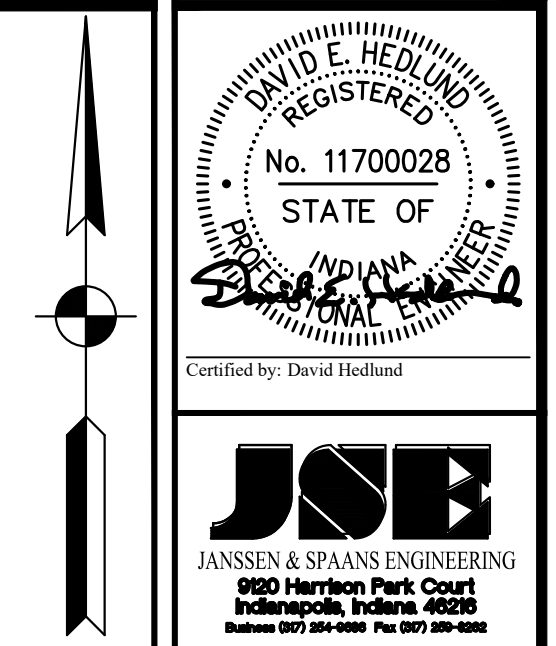
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Requestion Number:	-
Account Number:	-
Designer:	DEH
Drawing Date:	02/23/2023
Drafter:	MDR
Drawing Scale:	AS SHOWN
DAPW Approval:	-
Client Approval:	-
Reference Number:	1364
Building Reference:	-
Drawing Number:	C130
Sheet:	36 of 155

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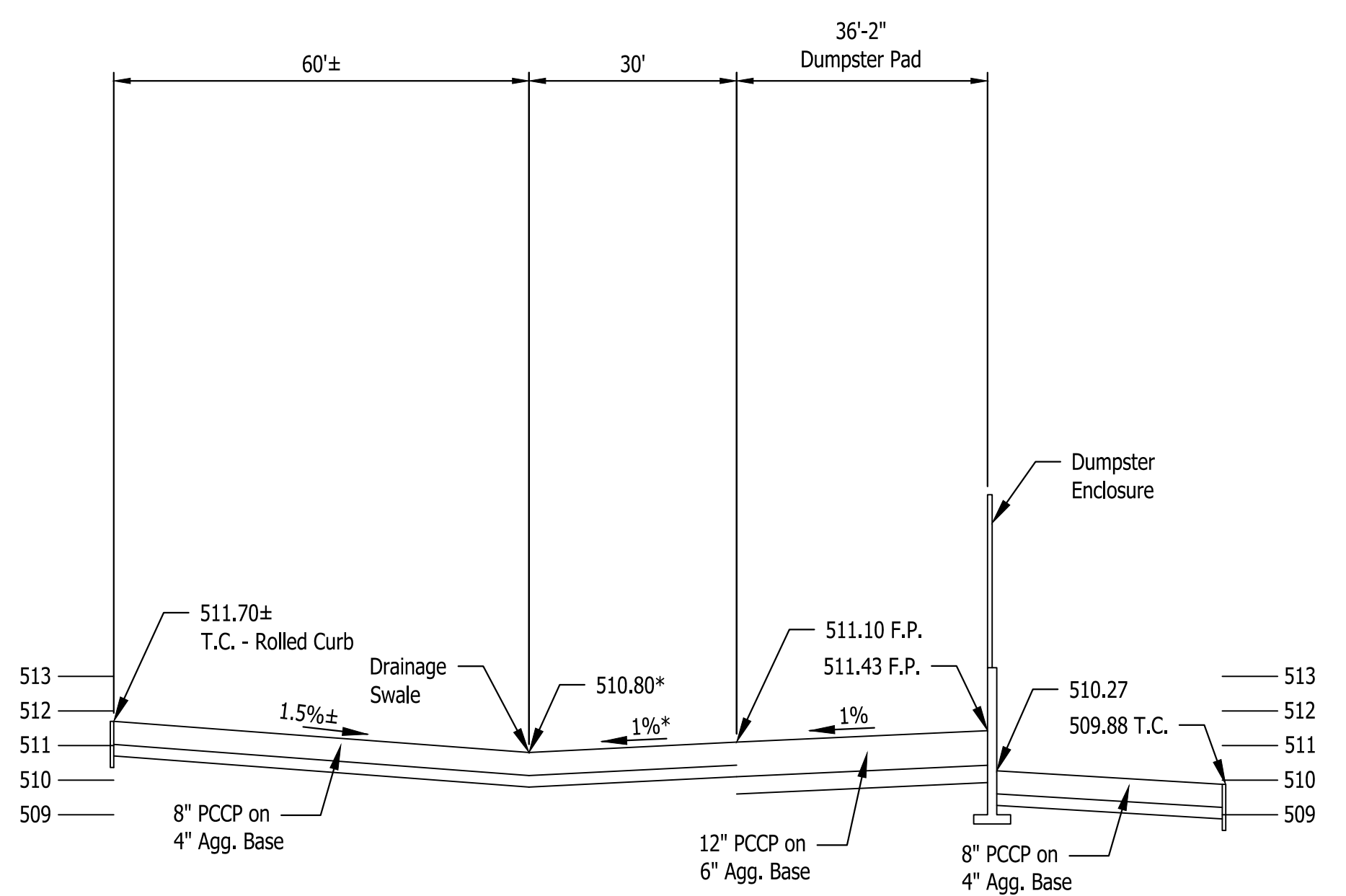
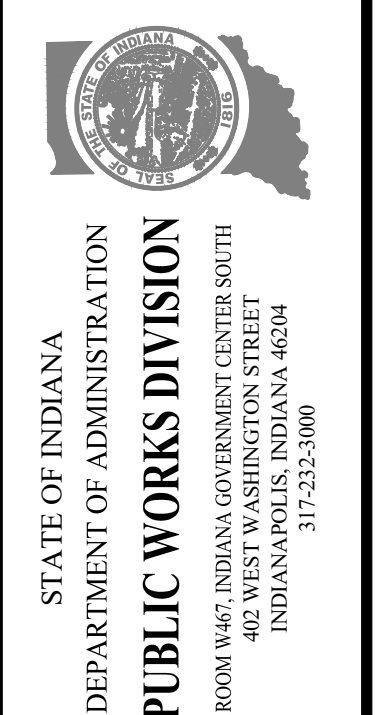


**DUMPSTER ENCLOSURE PAD**  
SCALE : 1" = 30'

Notes:  
1. See Architectural Plans for Dumpster enclosure details.

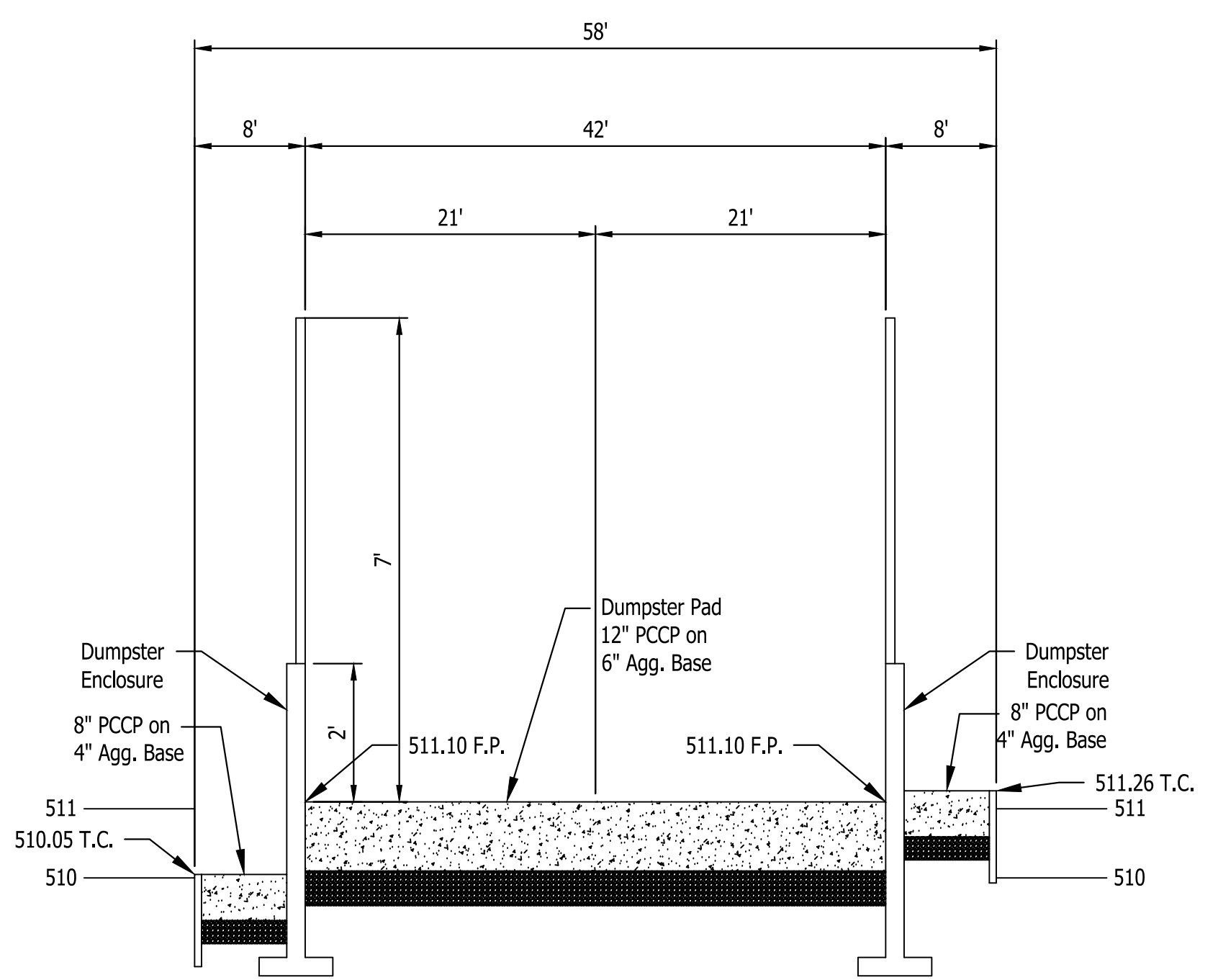


PUBLIC WORKS PROJECT NO. 84003001-22-058-C1  
CLEAR CREEK WELCOME CENTER  
VIGO COUNTY, INDIANA



\* Elevation of drainage swale varies from 511.59 to 510.55 across Island.  
Slope from Dumpster Pad varies from 1% to 1.3%.

**SECTION B-B**  
SCALE : Horz: 1" = 20'  
Vert: 1" = 5'

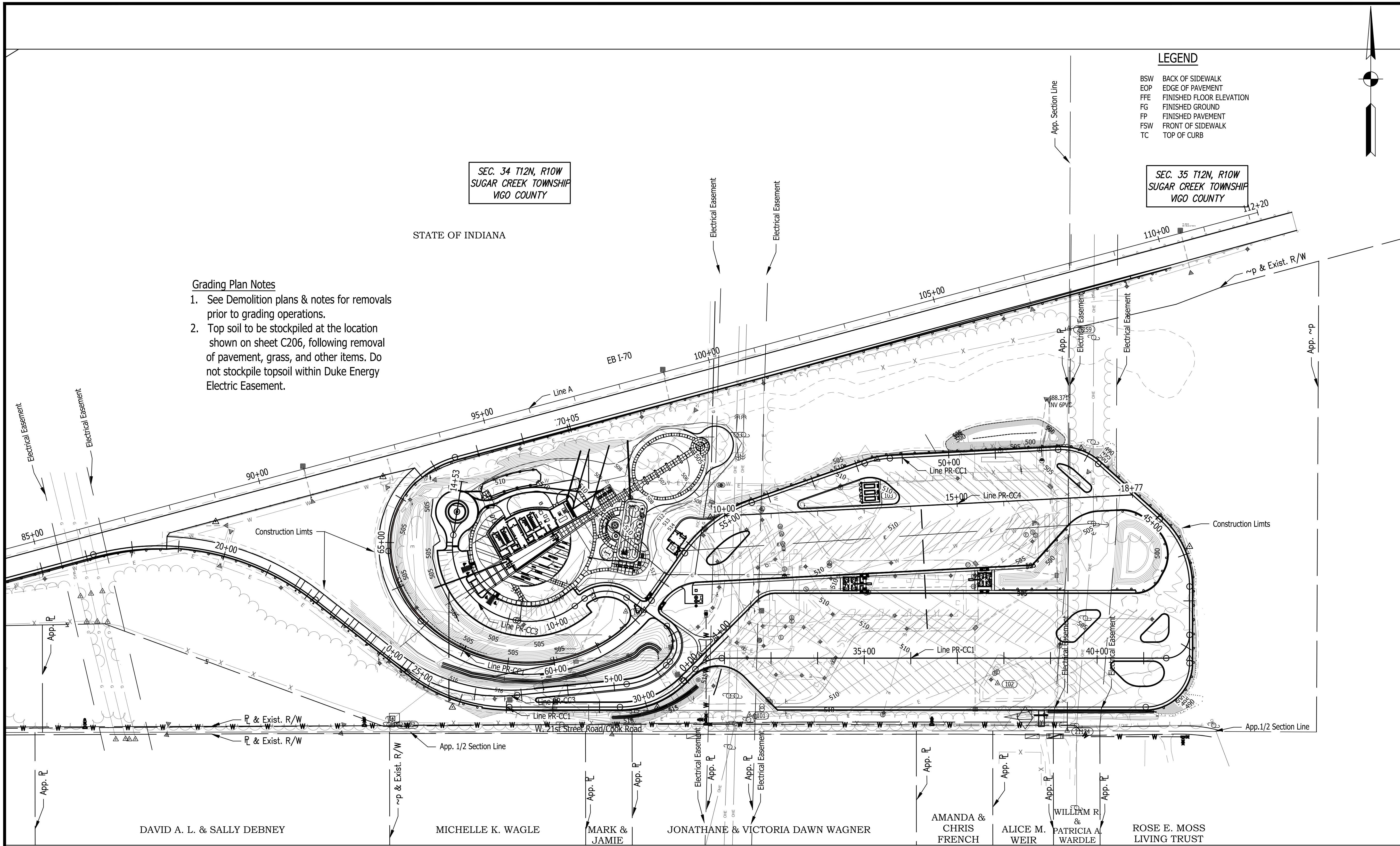


**SECTION A-A**  
SCALE : Horz: 1" = 10'  
Vert: 1" = 5'

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Revisions:	
Project Number:	84003001-22-058-C1
Requestion Number:	
Account Number:	
Designer:	DEH
Drawing Date:	02/23/2023
Drafter:	MDR
Drawing Scale:	1"=20'
DAPW Approval:	
Client Approval:	
Reference Number:	1364
Building Reference:	
Drawing Number:	C131
Sheet:	37 of 155

Last Saved By: jml Printed: 2/24/23  
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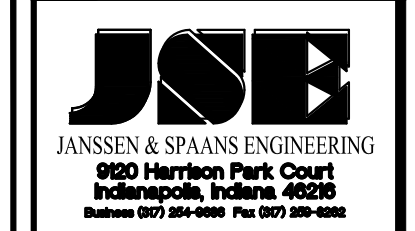
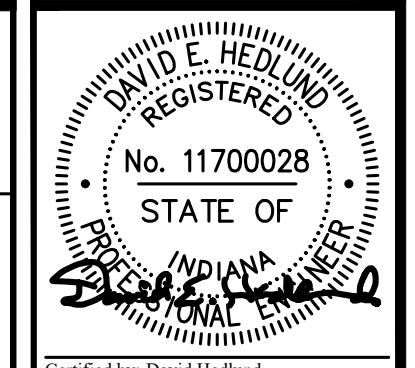
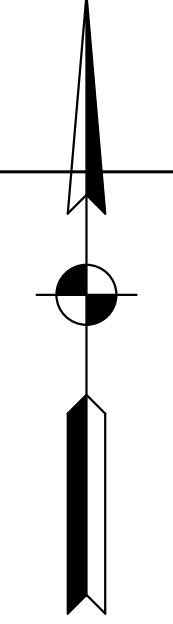


**Grading Plan Notes**

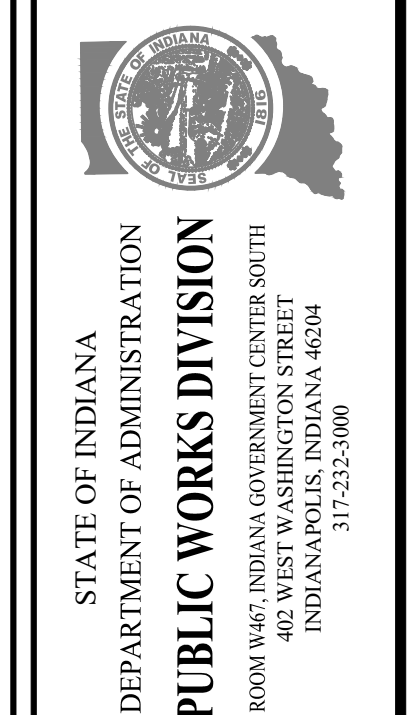
1. See Demolition plans & notes for removals prior to grading operations.
2. Top soil to be stockpiled at the location shown on sheet C206, following removal of pavement, grass, and other items. Do not stockpile topsoil within Duke Energy Electric Easement.

**LEGEND**

- BSW BACK OF SIDEWALK
- EOP EDGE OF PAVEMENT
- FFE FINISHED FLOOR ELEVATION
- FG FINISHED GROUND
- FP FINISHED PAVEMENT
- FSW FRONT OF SIDEWALK
- TC TOP OF CURB

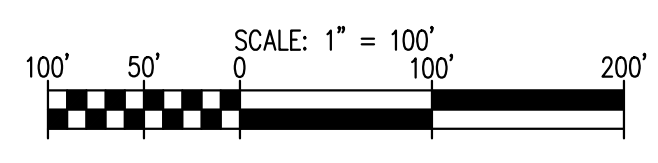


PUBLIC WORKS PROJECT NO. 84003001-22-058-C1  
 CLEAR CREEK WELCOME CENTER  
 VIGO COUNTY, INDIANA



Revisions:	
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Requestion Number:	
Account Number:	
Designer:	DEH
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Drafter:	MDR
Drawing Scale:	1"=100'
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Client Approval:	
Reference Number:	1364
Building Reference:	
Drawing Number:	C200
Sheet:	38 of 155

**SITE GRADING PLAN**



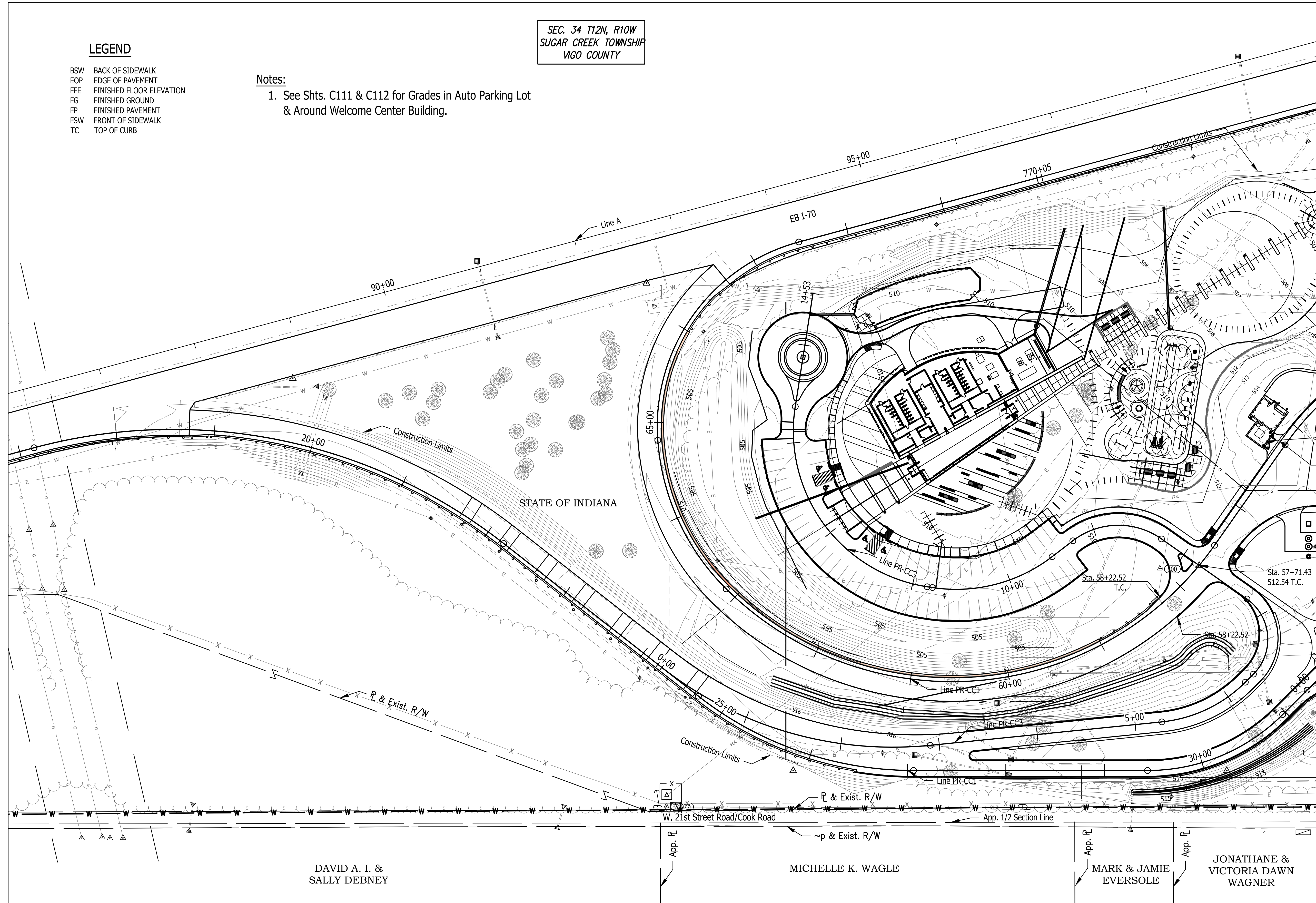
**LEGEND**

- BSW BACK OF SIDEWALK
- EOP EDGE OF PAVEMENT
- FFE FINISHED FLOOR ELEVATION
- FG FINISHED GROUND
- FP FINISHED PAVEMENT
- FSW FRONT OF SIDEWALK
- TC TOP OF CURB

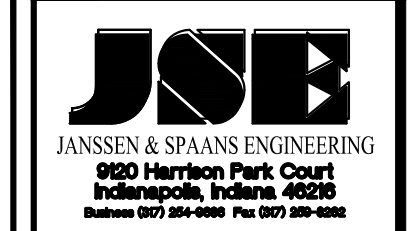
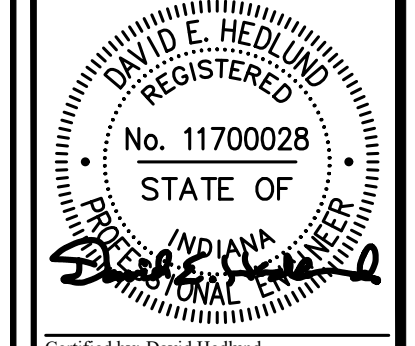
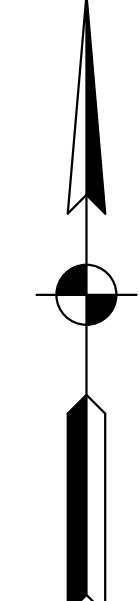
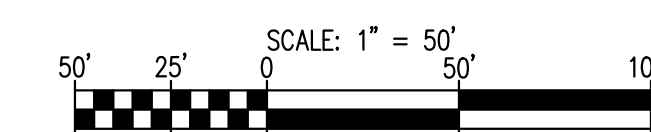
**Notes:**

1. See Shts. C111 & C112 for Grades in Auto Parking Lot & Around Welcome Center Building.

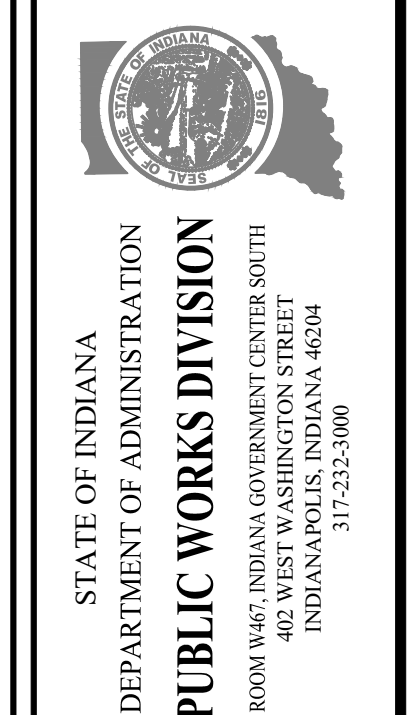
SEC. 34 T12N, R10W  
SUGAR CREEK TOWNSHIP  
VIGO COUNTY



**SITE GRADING PLAN**

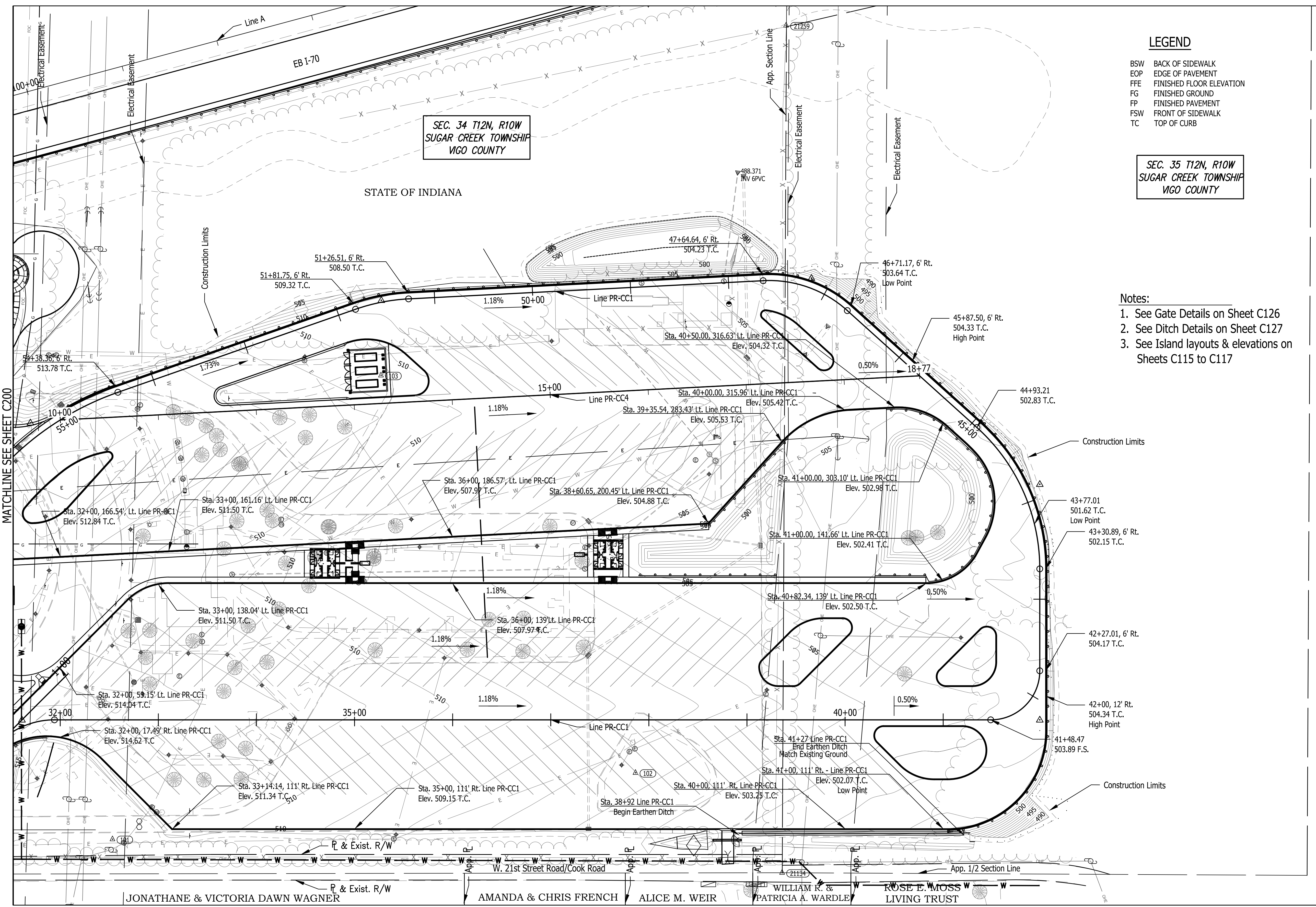


PUBLIC WORKS PROJECT NO. 84003001-22-058-C1  
CLEAR CREEK WELCOME CENTER  
VIGO COUNTY, INDIANA



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Requestion Number:	
Account Number:	
Designer:	DEH
Drawing Date:	02/23/2023
Drafter:	MDR
Drawing Scale:	1"=50'
DAPW Approval:	
Client Approval:	
Reference Number:	1364
Building Reference:	
Drawing Number:	C201
Sheet:	39 of 155

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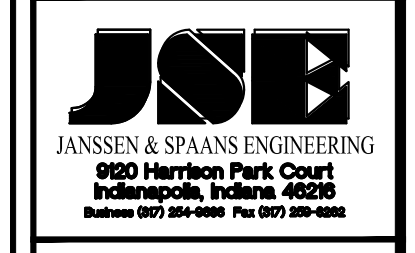
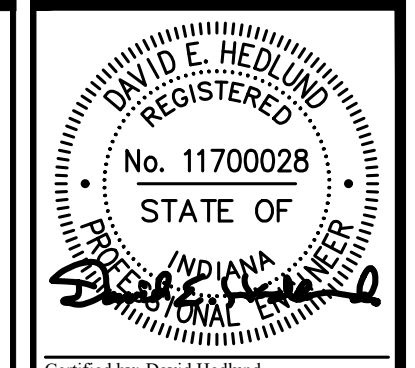
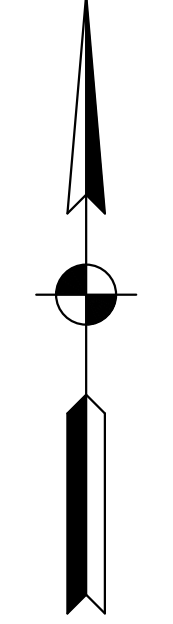


**LEGEND**

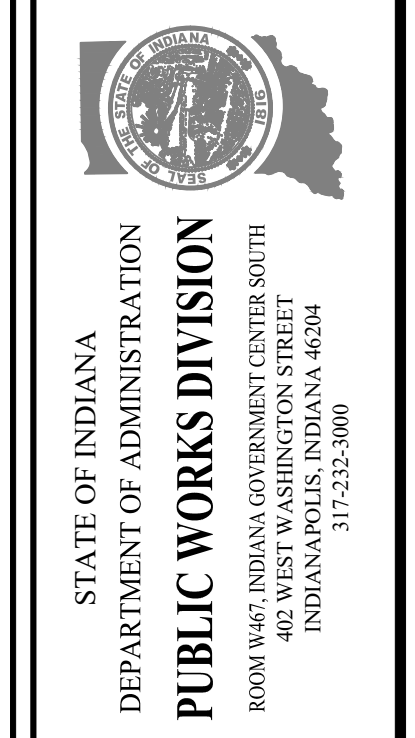
- BSW BACK OF SIDEWALK
- EOP EDGE OF PAVEMENT
- FFE FINISHED FLOOR ELEVATION
- FG FINISHED GROUND
- FP FINISHED PAVEMENT
- FSW FRONT OF SIDEWALK
- TC TOP OF CURB

SEC. 35 T12N, R10W  
SUGAR CREEK TOWNSHIP  
VIGO COUNTY

- Notes:**
1. See Gate Details on Sheet C126
  2. See Ditch Details on Sheet C127
  3. See Island layouts & elevations on Sheets C115 to C117



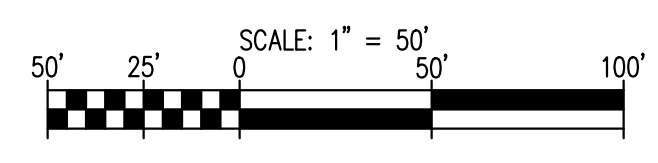
PUBLIC WORKS PROJECT NO. 84003001-22-058-C1  
CLEAR CREEK WELCOME CENTER  
VIGO COUNTY, INDIANA



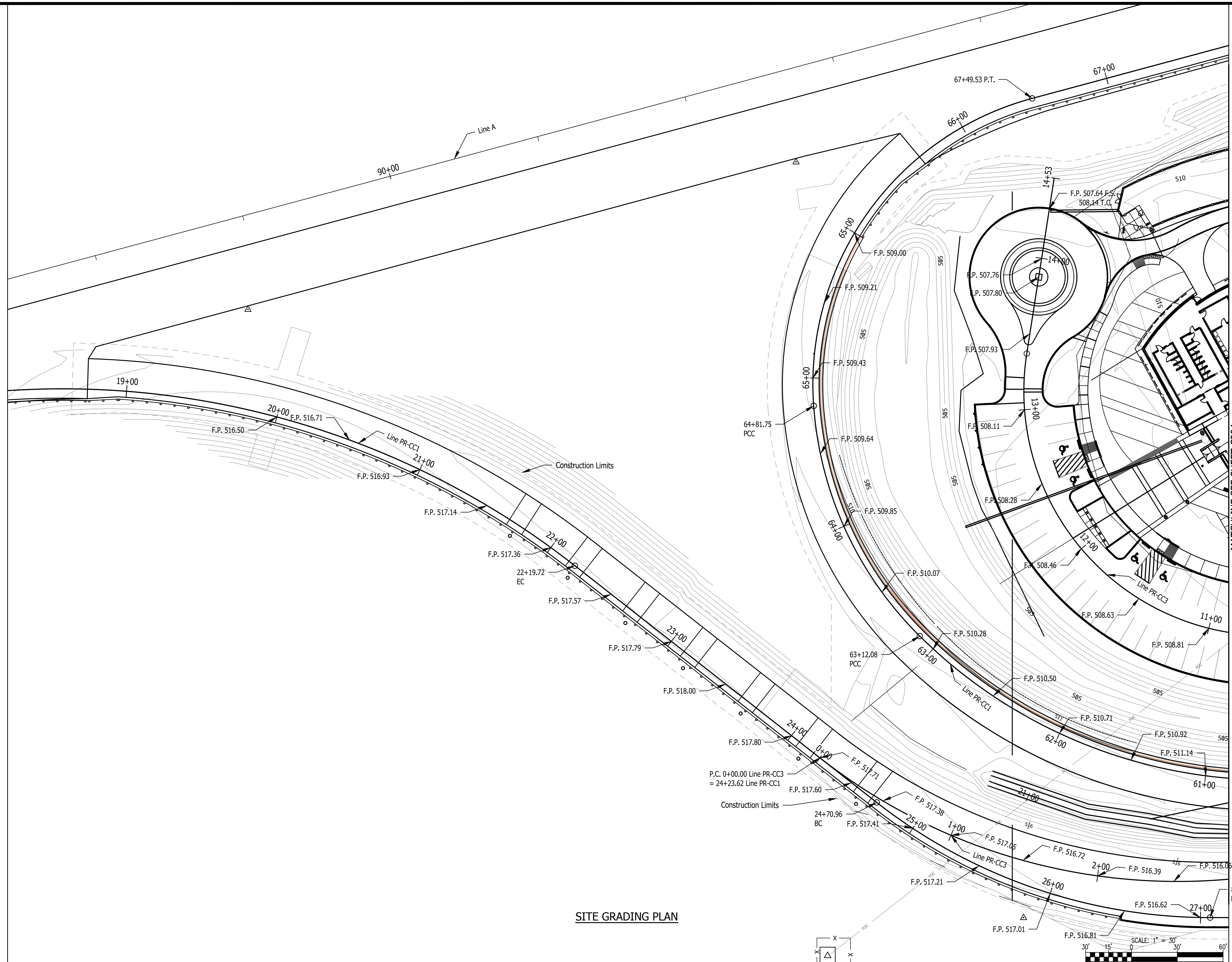
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Client Approval:	
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Sheet:	40 of 155

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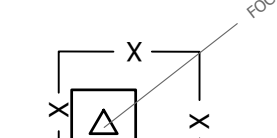
**SITE GRADING PLAN**



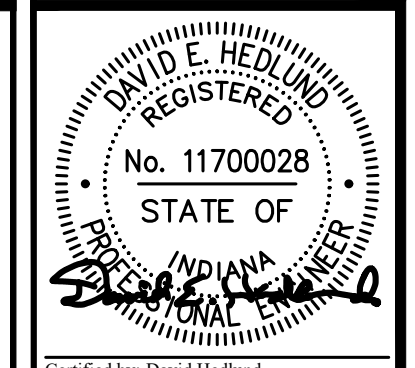
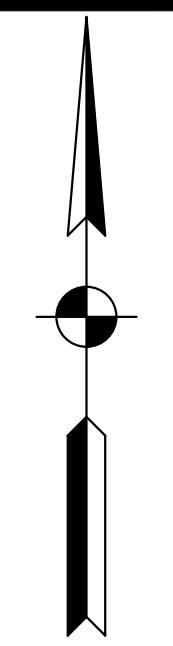
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**SITE GRADING PLAN**



MATCHLINE SEE SHEET C204



**JOE**  
 JANSSEN & SPAANS ENGINEERING  
 990 Harrison Park Court  
 Indianapolis, Indiana 46228  
 Phone (317) 252-6000 Fax (317) 252-6000



**RATIO**  
 LANDSCAPE ARCHITECTURE  
 101 S Pennsylvania St.  
 Indianapolis, IN 46204  
 T: 317.238.4698  
 www.ratiodesign.com



PUBLIC WORKS PROJECT NO. 84003001-22-058-C1  
 CLEAR CREEK WELCOME CENTER  
 VIGO COUNTY, INDIANA

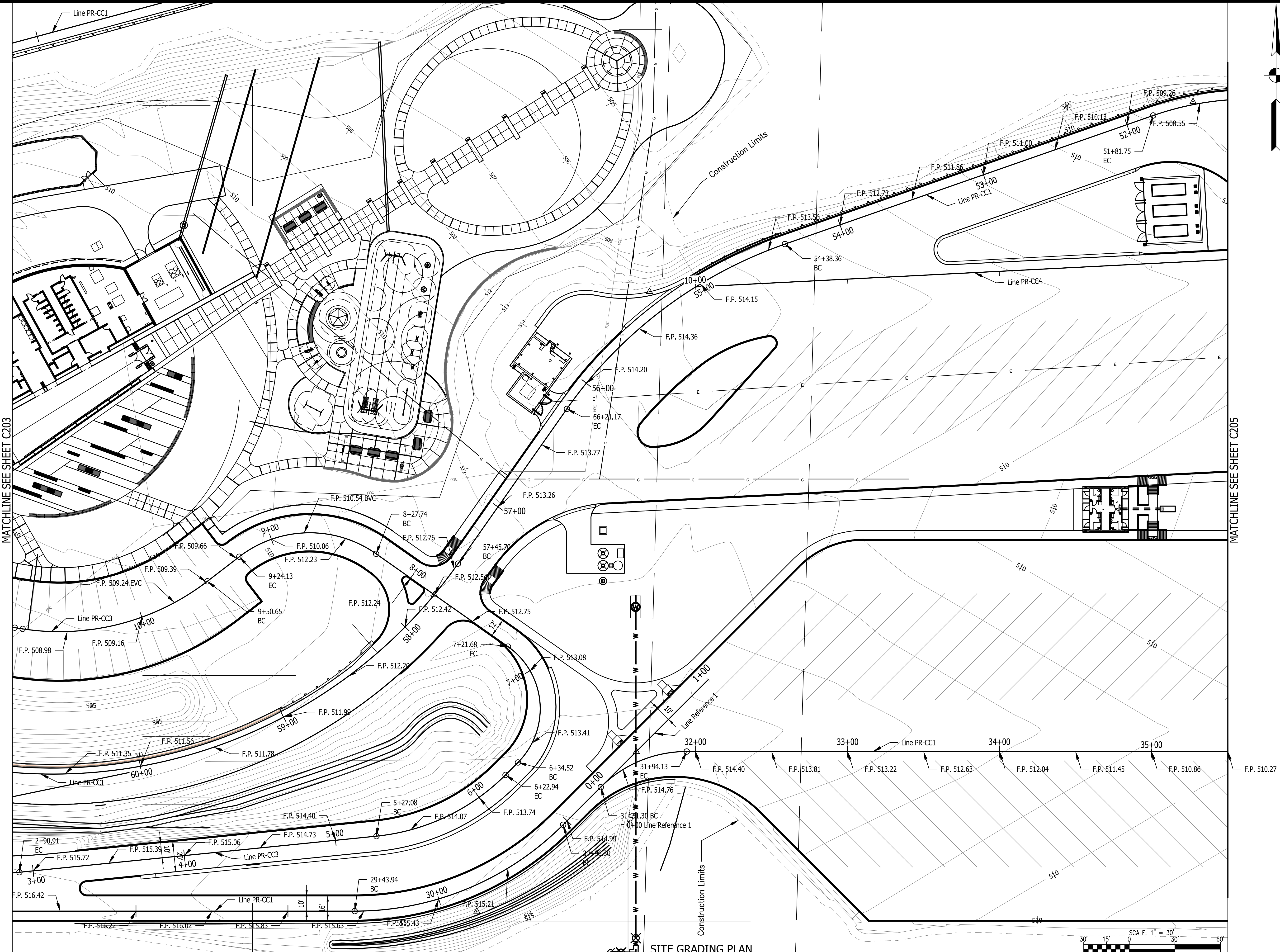


STATE OF INDIANA  
 DEPARTMENT OF ADMINISTRATION  
**PUBLIC WORKS DIVISION**  
 ROOM 1667 INDIANA GOVERNMENT CENTER SOUTH  
 INDIANAPOLIS, INDIANA 46204  
 317-232-3000

Revisions:	
Project Number:	84003001-22-058-C1
Requestion Number:	
Account Number:	
Designer:	DEH
Drawing Date:	02/23/2023
Drafter:	MDR
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Sheet:	41 of 155



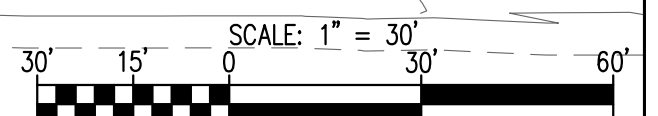
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MATCHLINE SEE SHEET C203

MATCHLINE SEE SHEET C205

**SITE GRADING PLAN**



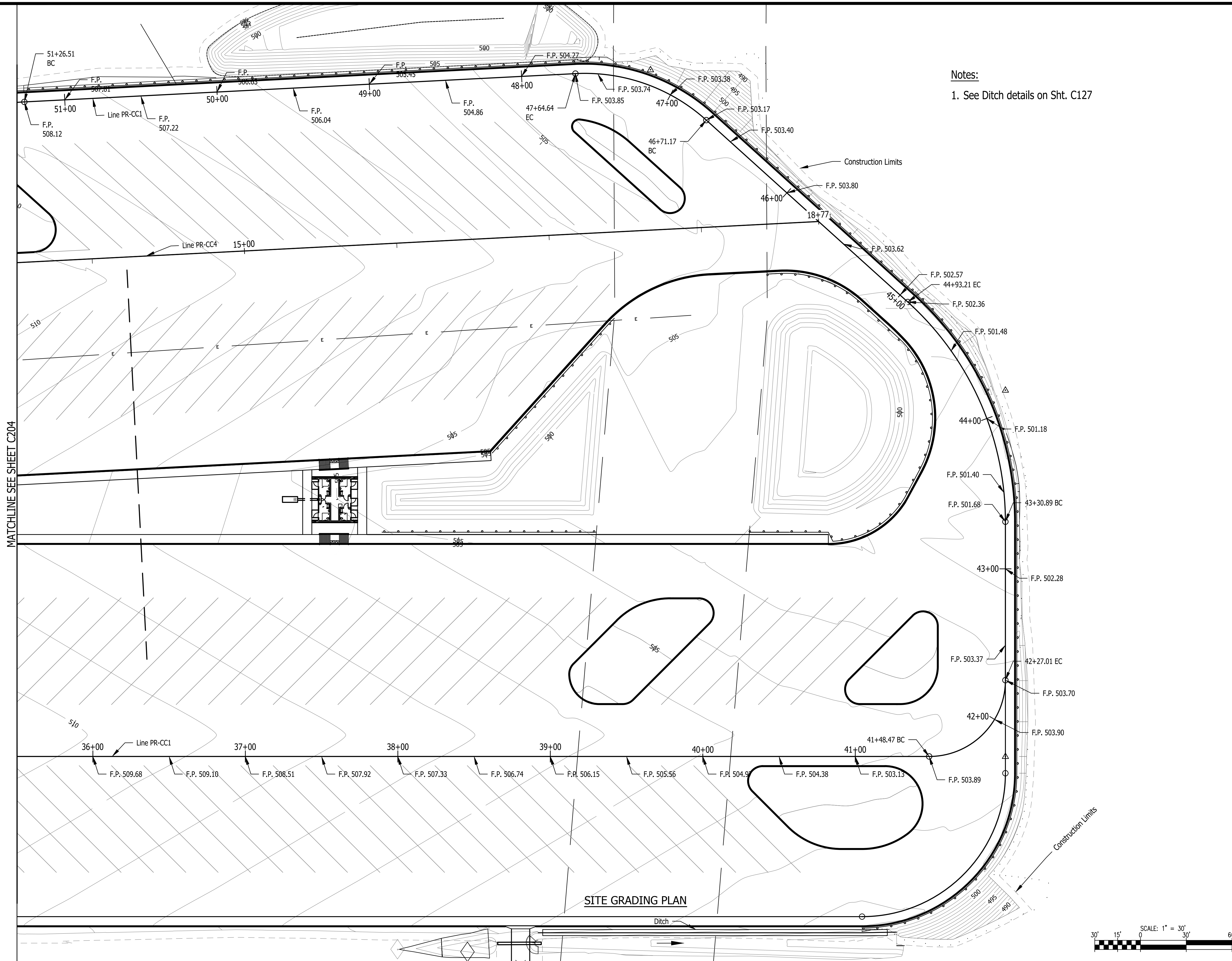
Certified by: David Hedlund

**PUBLIC WORKS PROJECT NO. 84003001-22-058-C1**  
**CLEAR CREEK WELCOME CENTER**  
**VIGO COUNTY, INDIANA**

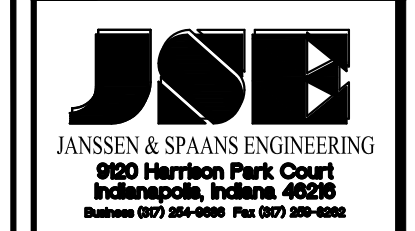
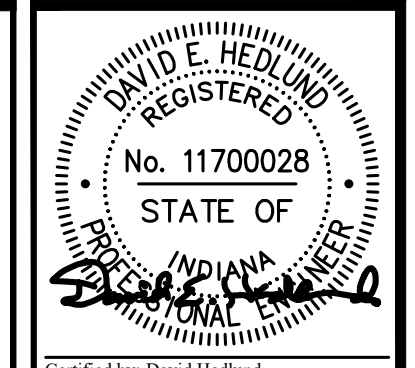
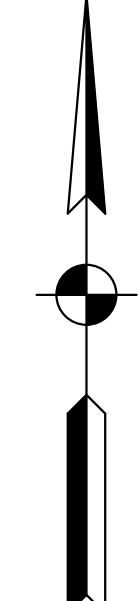
STATE OF INDIANA  
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**PUBLIC WORKS DIVISION**  
 ROOM 1667 INDIANA GOVERNMENT CENTER SOUTH  
 INDIANAPOLIS, INDIANA 46204  
 317-232-3000

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Drafter:	MDR
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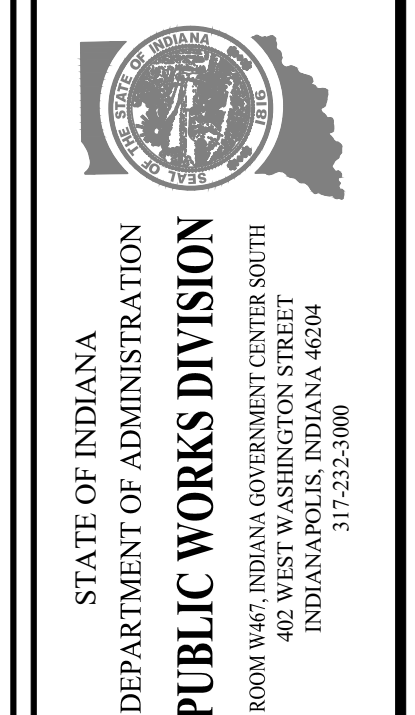
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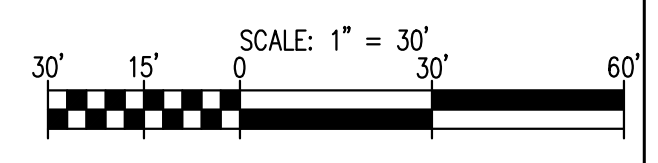
Notes:  
 1. See Ditch details on Sht. C127








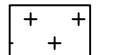
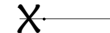


PUBLIC WORKS PROJECT NO. 84003001-22-058-C1  
 CLEAR CREEK WELCOME CENTER  
 VIGO COUNTY, INDIANA



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Designer:	DEH
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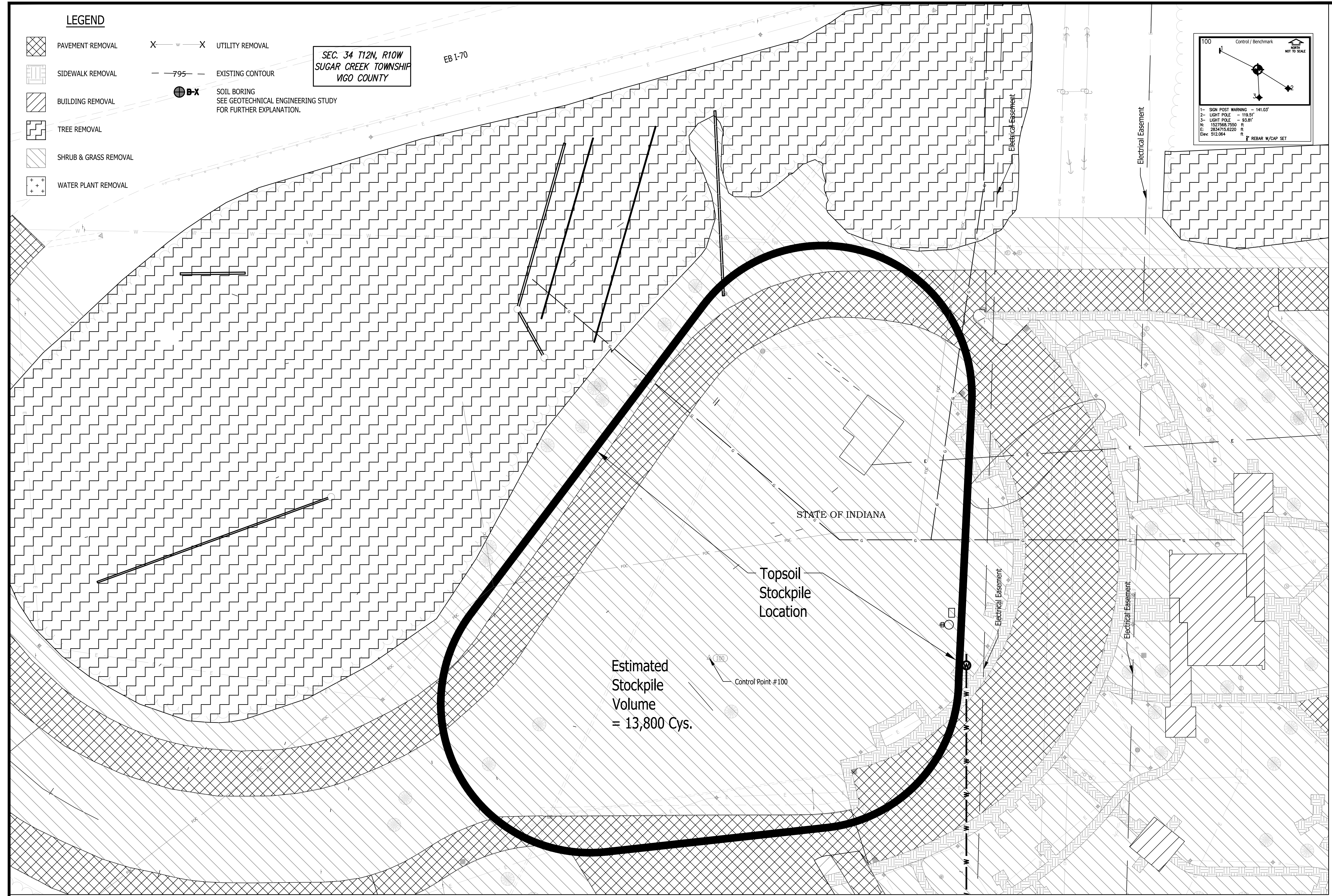
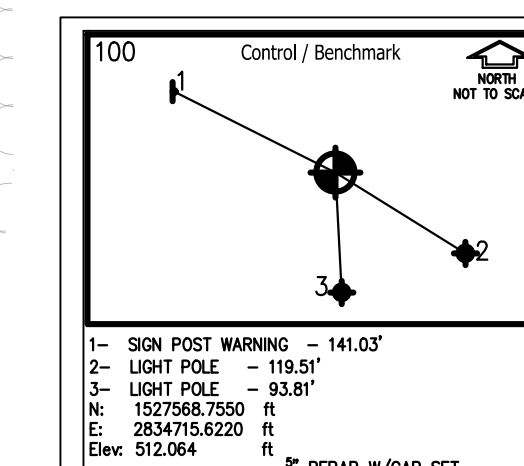


**LEGEND**

-  PAVEMENT REMOVAL
-  SIDEWALK REMOVAL
-  BUILDING REMOVAL
-  TREE REMOVAL
-  SHRUB & GRASS REMOVAL
-  WATER PLANT REMOVAL
-  UTILITY REMOVAL
-  EXISTING CONTOUR
-  SOIL BORING  
SEE GEOTECHNICAL ENGINEERING STUDY  
FOR FURTHER EXPLANATION.

SEC. 34 T12N, R10W  
SUGAR CREEK TOWNSHIP  
VIGO COUNTY

EB 1-70

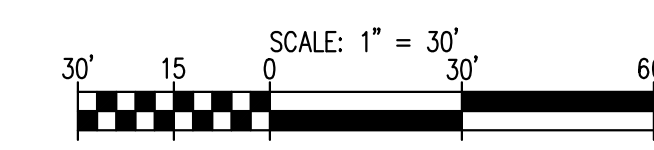


STATE OF INDIANA

Topsoil  
Stockpile  
Location

Estimated  
Stockpile  
Volume  
= 13,800 Cys.

Control Point #100



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DAVID E. HEDLUND  
REGISTERED  
No. 11700028  
STATE OF  
INDIANA  
Professional Engineer  
Certified by: David Hedlund

**JSB**  
JANSSEN & SPAANS ENGINEERING  
900 Harrison Park Court  
Indianapolis, Indiana 46204  
Phone: (317) 255-0000 Fax: (317) 255-0000

**synthesis**  
**RATIO**  
LANDSCAPE ARCHITECTURE  
101 S Pennsylvania St.  
Indianapolis, IN 46204  
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www.ratiodesign.com

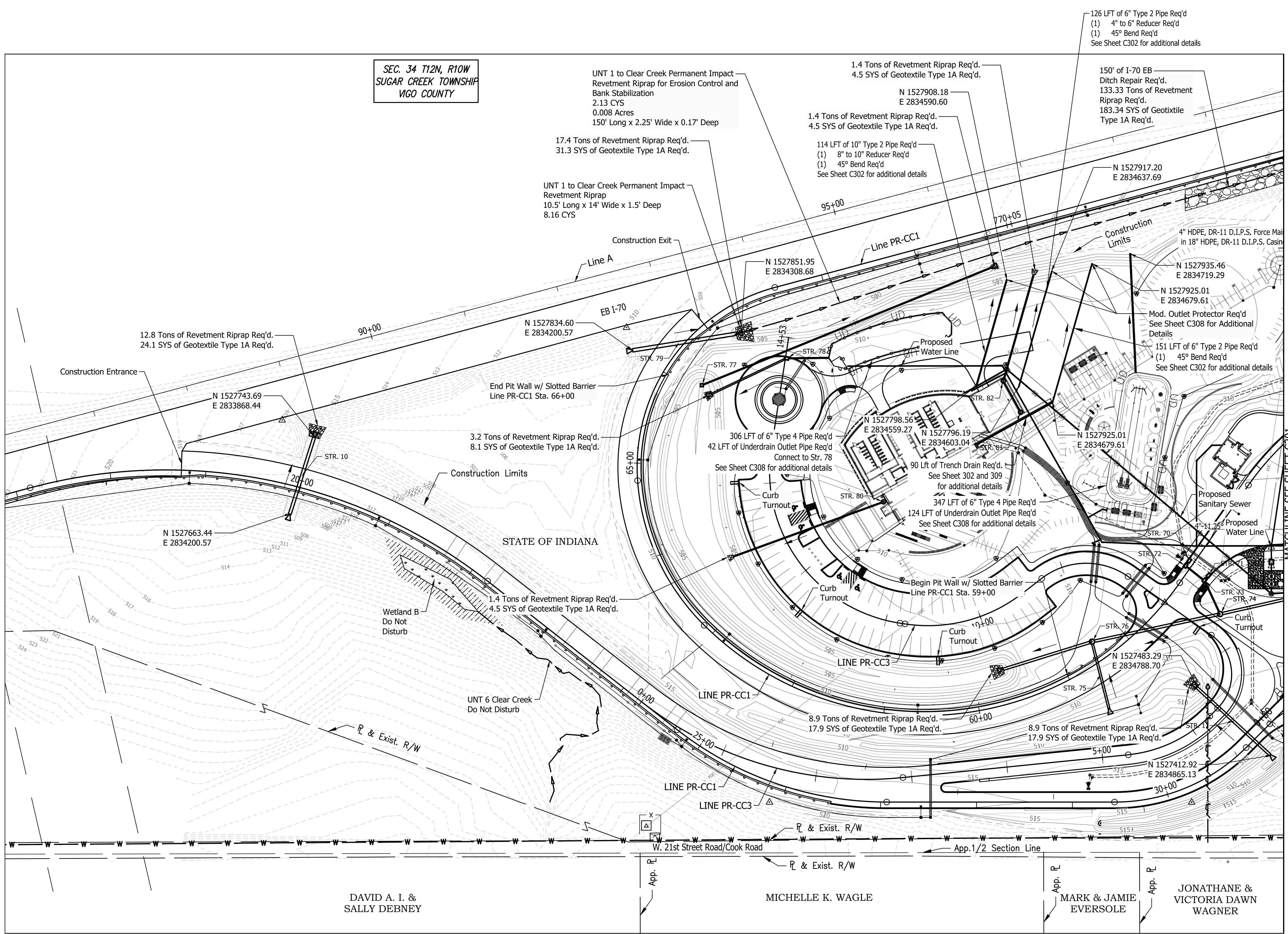
**Applied**  
Engineering Services

PUBLIC WORKS PROJECT NO. 84003001-22-058-C1  
CLEAR CREEK WELCOME CENTER  
VIGO COUNTY, INDIANA

STATE OF INDIANA  
DEPARTMENT OF ADMINISTRATION  
**PUBLIC WORKS DIVISION**  
ROOM 9407, INDIANA GOVERNMENT CENTER SOUTH  
402 WEST WASHINGTON STREET  
INDIANAPOLIS, INDIANA 46204  
317-232-3000

Revisions:	
Project Number:	84003001-22-058-C1
Requestion Number:	
Account Number:	
Designer:	DEH
Drawing Date:	02/23/2023
Drafter:	MDR
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Client Approval:	
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Sheet:	44 of 155

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**SEC. 34 T12N, R10W**  
**SUGAR CREEK TOWNSHIP**  
**VIGO COUNTY**

UNT 1 to Clear Creek Permanent Impact  
 Revetment Riprap for Erosion Control and  
 Bank Stabilization  
 2.13 CYS  
 0.008 Acres  
 150' Long x 2.25' Wide x 0.17' Deep

UNT 1 to Clear Creek Permanent Impact  
 Revetment Riprap  
 10.5' Long x 14' Wide x 1.5' Deep  
 8.16 CYS

17.4 Tons of Revetment Riprap Req'd.  
 31.3 SYS of Geotextile Type 1A Req'd.

1.4 Tons of Revetment Riprap Req'd.  
 4.5 SYS of Geotextile Type 1A Req'd.

1.4 Tons of Revetment Riprap Req'd.  
 4.5 SYS of Geotextile Type 1A Req'd.

114 LFT of 10" Type 2 Pipe Req'd  
 (1) 8" to 10" Reducer Req'd  
 (1) 45° Bend Req'd  
 See Sheet C302 for additional details

126 LFT of 6" Type 2 Pipe Req'd  
 (1) 4" to 6" Reducer Req'd  
 (1) 45° Bend Req'd  
 See Sheet C302 for additional details

150' of I-70 EB  
 Ditch Repair Req'd.  
 133.33 Tons of Revetment  
 Riprap Req'd.  
 183.34 SYS of Geotextile  
 Type 1A Req'd.

12.8 Tons of Revetment Riprap Req'd.  
 24.1 SYS of Geotextile Type 1A Req'd.

3.2 Tons of Revetment Riprap Req'd.  
 8.1 SYS of Geotextile Type 1A Req'd.

1.4 Tons of Revetment Riprap Req'd.  
 4.5 SYS of Geotextile Type 1A Req'd.

306 LFT of 6" Type 4 Pipe Req'd  
 42 LFT of Underdrain Outlet Pipe Req'd  
 Connect to Str. 78  
 See Sheet C308 for additional details

90 Lft of Trench Drain Req'd.  
 See Sheet 302 and 309  
 for additional details

347 LFT of 6" Type 4 Pipe Req'd  
 124 LFT of Underdrain Outlet Pipe Req'd  
 See Sheet C308 for additional details

4" HDPE, DR-11 D.I.P.S. Force Mai  
 in 18" HDPE, DR-11 D.I.P.S. Casin

N 1527935.46  
 E 2834719.29

N 1527925.01  
 E 2834679.61

Mod. Outlet Protector Req'd  
 See Sheet C308 for Additional  
 Details

151 LFT of 6" Type 2 Pipe Req'd  
 (1) 45° Bend Req'd  
 See Sheet C302 for additional details

Proposed  
 Sanitary Sewer

4" 11.25' Proposed  
 Water Line

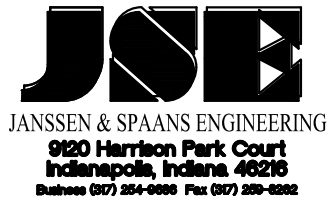
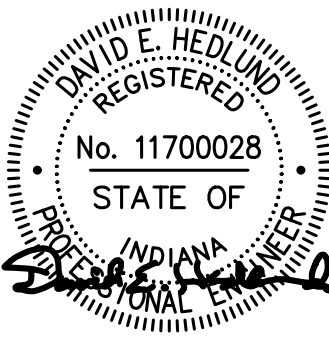
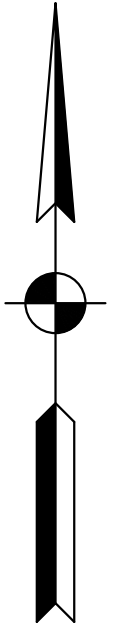
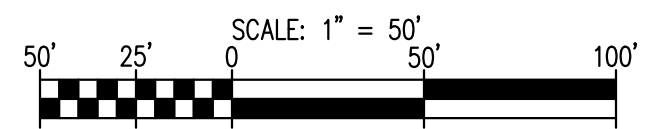
DAVID A. I. &  
 SALLY DEBNEY

MICHELLE K. WAGLE

MARK & JAMIE  
 EVERSEOLE

JONATHANE &  
 VICTORIA DAWN  
 WAGNER

Do Not Disturb



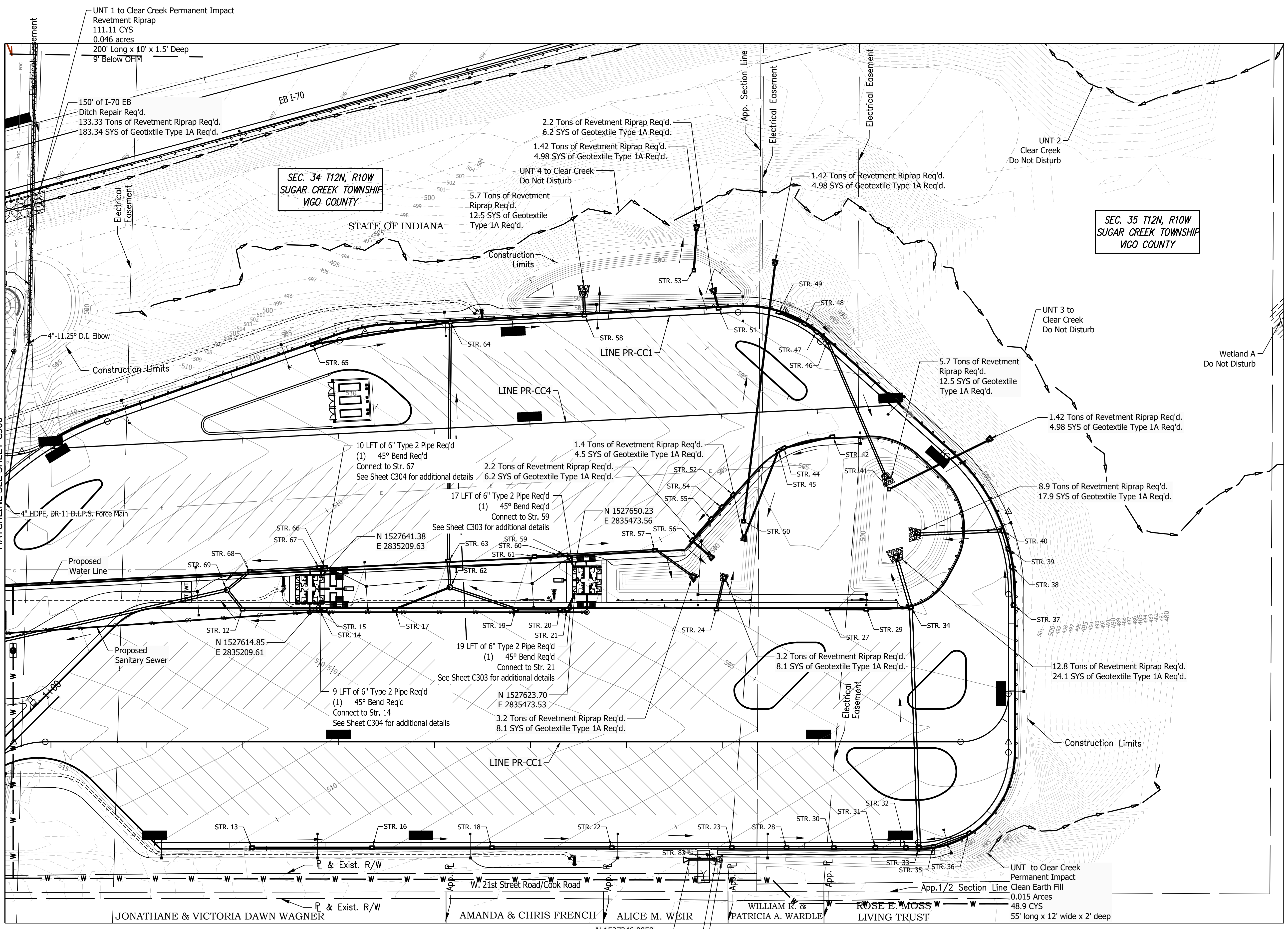
PUBLIC WORKS PROJECT NO. 84003001-22-058-C1  
 CLEAR CREEK WELCOME CENTER  
 VIGO COUNTY, INDIANA



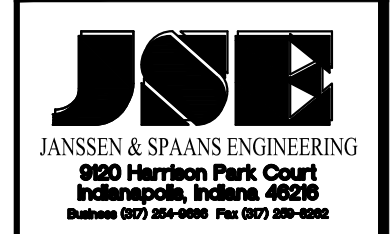
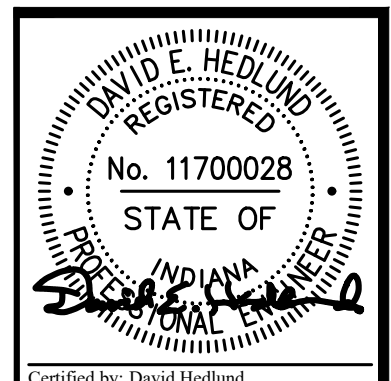
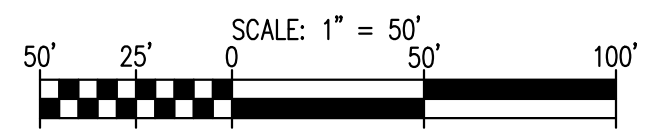
STATE OF INDIANA  
 DEPARTMENT OF ADMINISTRATION  
**PUBLIC WORKS DIVISION**  
 ROOM W407, INDIANA GOVERNMENT CENTER SOUTH  
 402 WEST WASHINGTON STREET  
 INDIANAPOLIS, INDIANA 46204  
 317-232-3000

Revisions:	
Project Number:	84003001-22-058-C1
Requestion Number:	
Account Number:	
Designer:	RJS
Drawing Date:	02/23/2023
Drafter:	JRC
Drawing Scale:	1"=50'
DAPW Approval:	
Client Approval:	
Reference Number:	1364
Building Reference:	
Drawing Number:	C300
Sheet:	45 of 155

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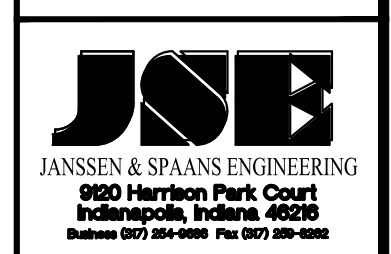
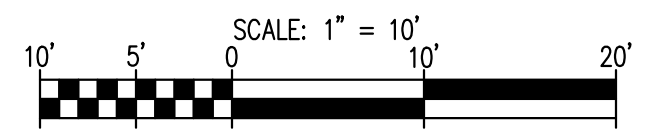
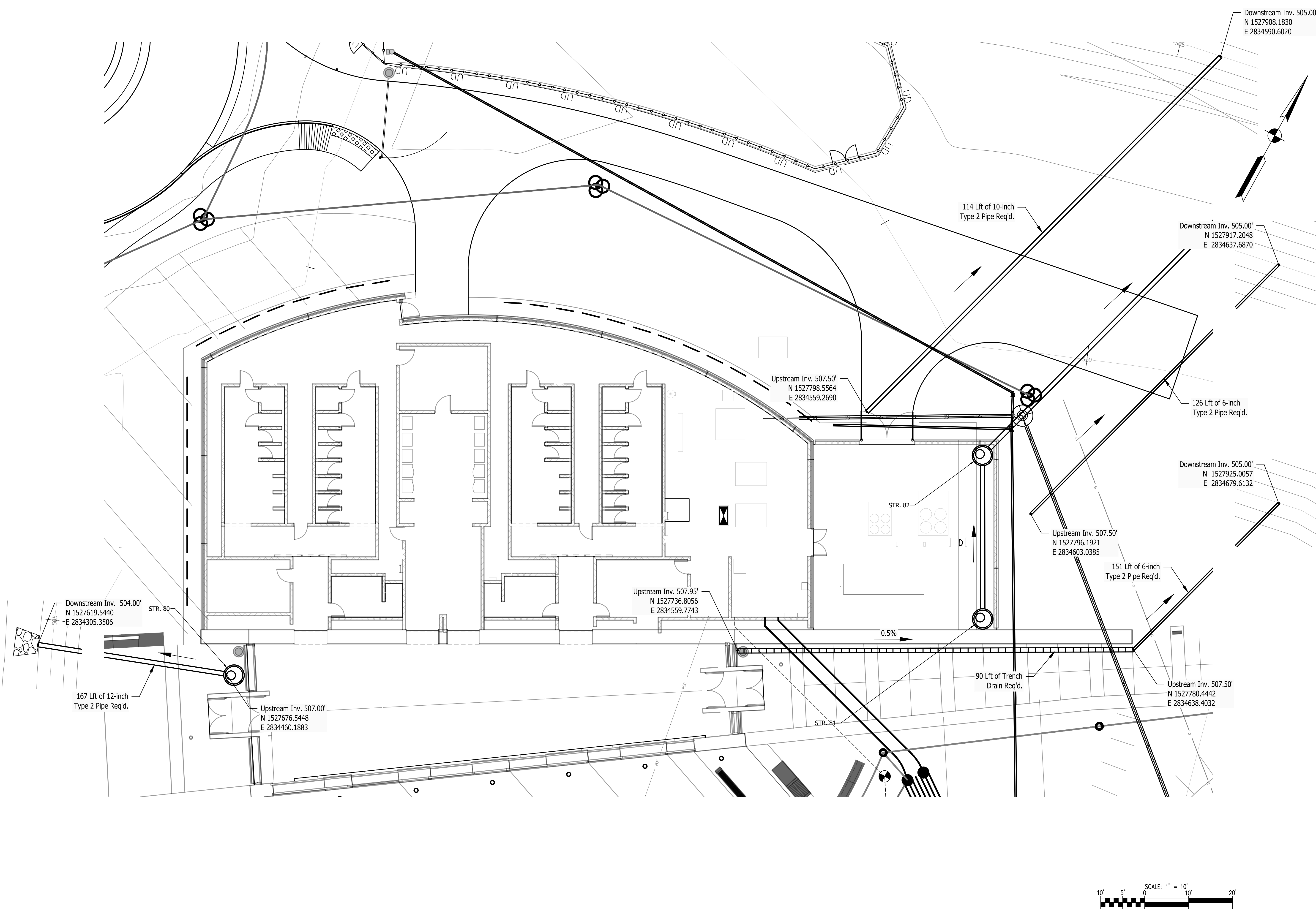


PUBLIC WORKS PROJECT NO. 84003001-22-058-C1  
 CLEAR CREEK WELCOME CENTER  
 VIGO COUNTY, INDIANA



Revisions:	
Project Number:	84003001-22-058-C1
Requestion Number:	
Account Number:	
Designer:	RJS
Drawing Date:	02/23/2023
Drafter:	JRC
Drawing Scale:	1"=50'
DAPW Approval:	
Client Approval:	
Reference Number:	1364
Building Reference:	
Drawing Number:	C301
Sheet:	46 of 155

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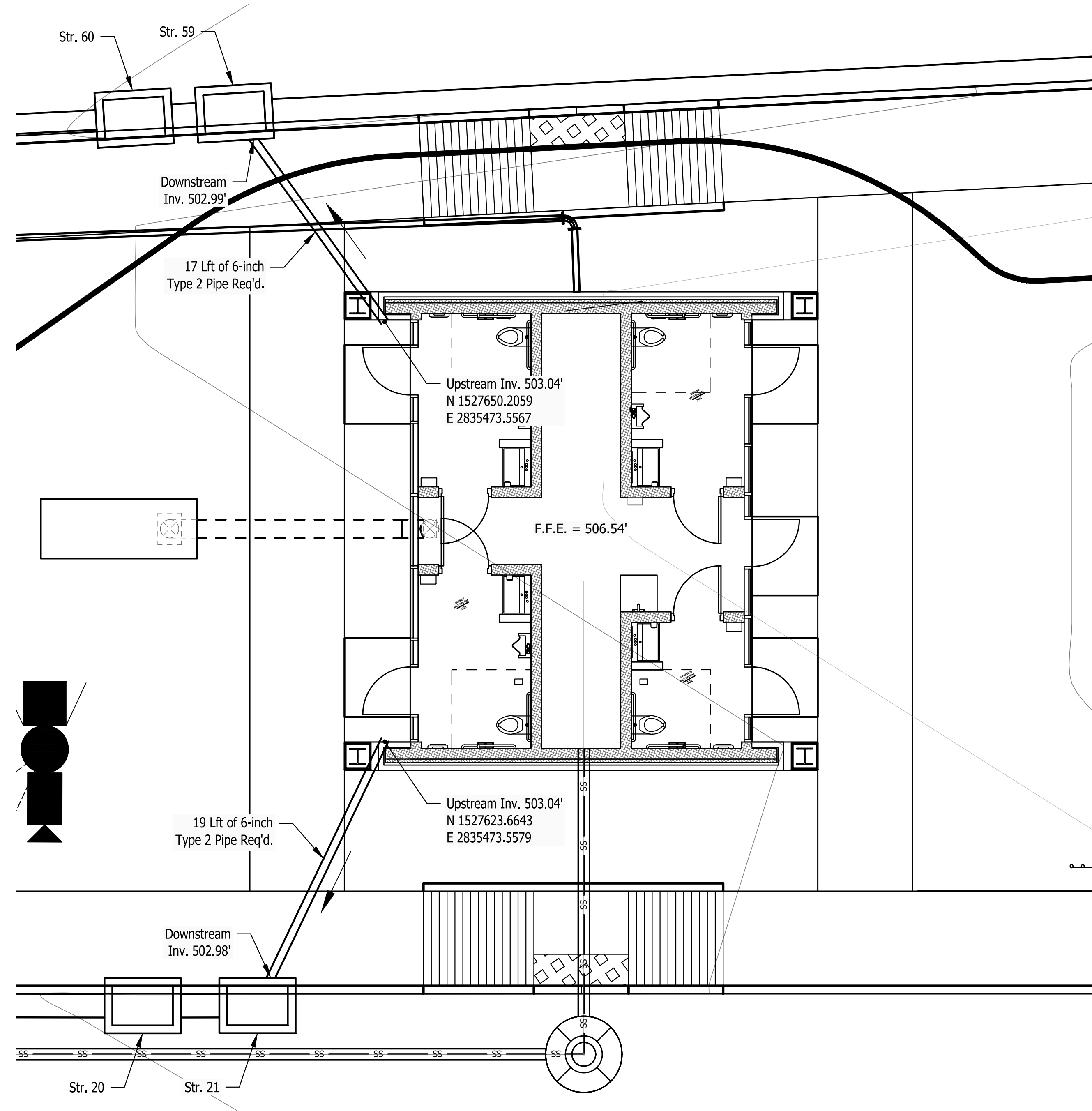


PUBLIC WORKS PROJECT NO. 84003001-22-058-C1  
 CLEAR CREEK WELCOME CENTER  
 VIGO COUNTY, INDIANA



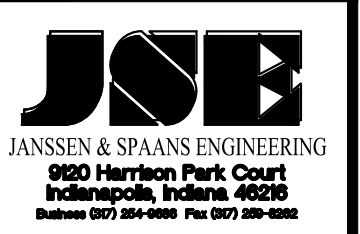
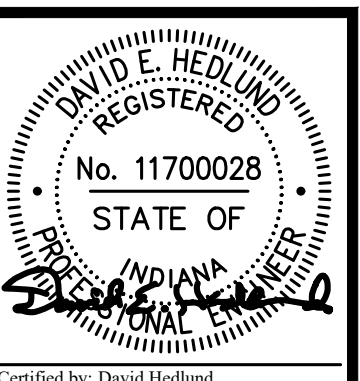
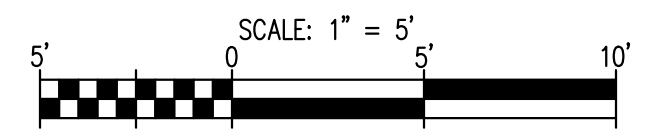
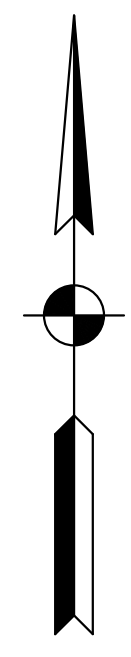
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Requestion Number:	
Account Number:	
Designer:	RJS
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Drafter:	JRC
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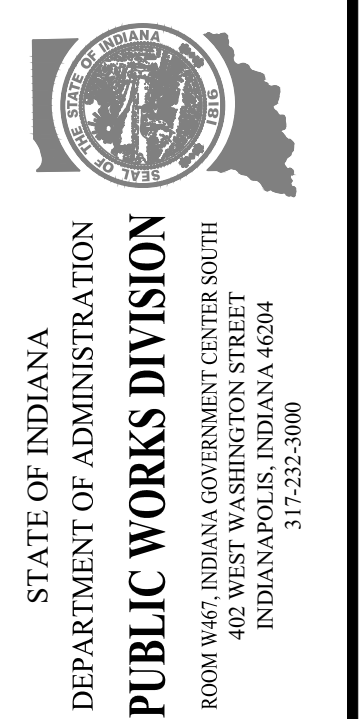


**TRUCKER RESTROOM (EAST)**  
**PLAN**  
 Scale: 1"=5'

- Note:
- Contractor shall verify gutter outlets in the field.
  - Elevations based off NAVD88.
  - See Structure Data Table for Drainage Structure Details.

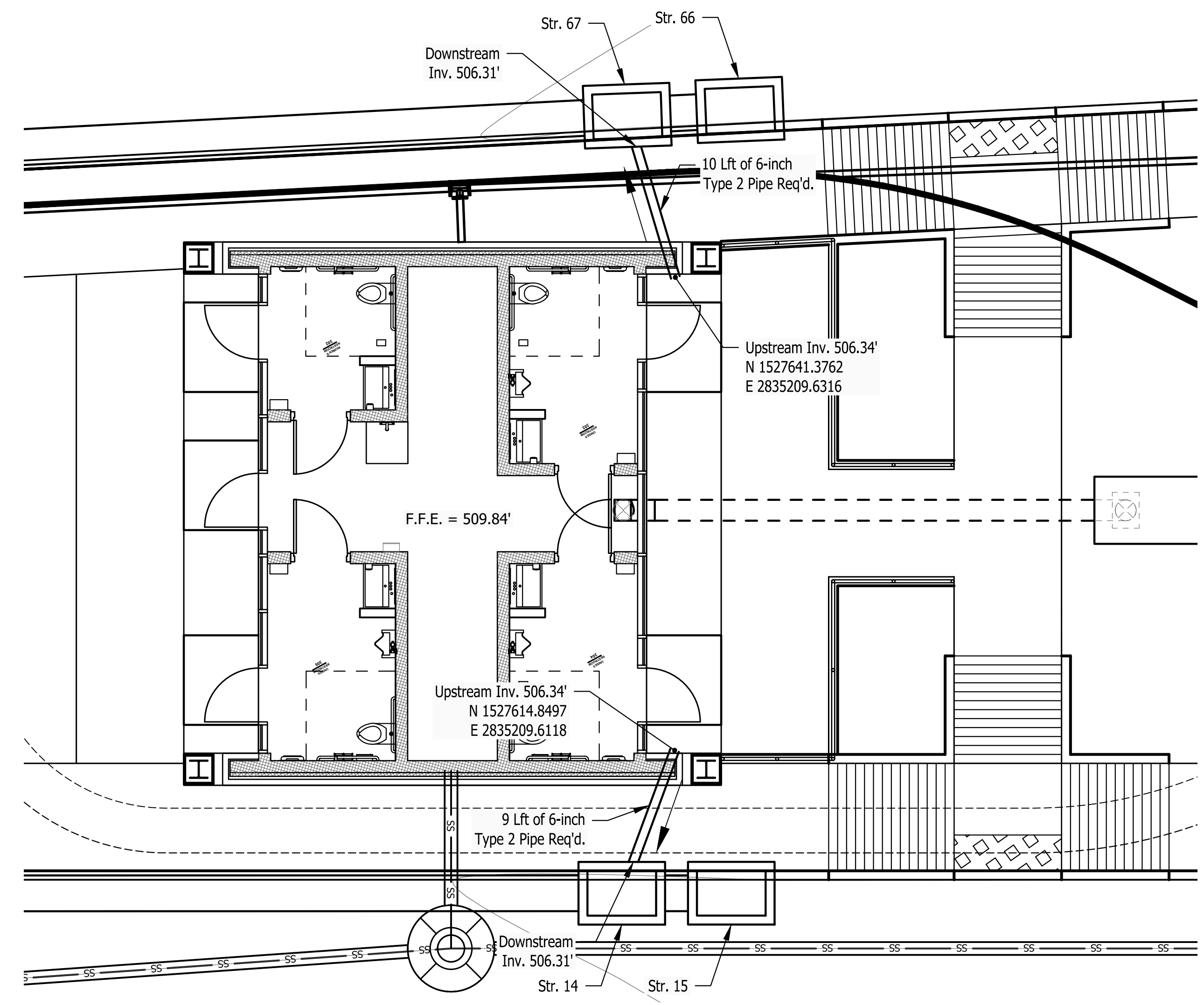


PUBLIC WORKS PROJECT NO. 84003001-22-058-C1  
 CLEAR CREEK WELCOME CENTER  
 VIGO COUNTY, INDIANA



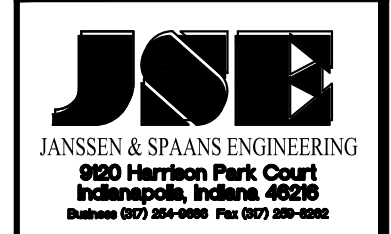
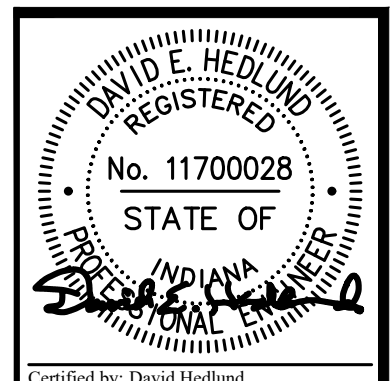
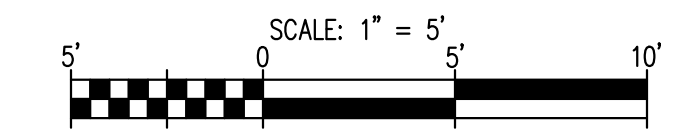
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Requisition Number:	-
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Last Saved By: mreed Printed: 2/21/23  
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**TRUCKER RESTROOM (WEST)**  
**PLAN**  
 Scale: 1"=5'

- Note:
1. Contractor shall verify gutter outlets in the field.
  2. Elevations based off NAVD88.
  3. See Structure Data Table for Drainage Structure Details.

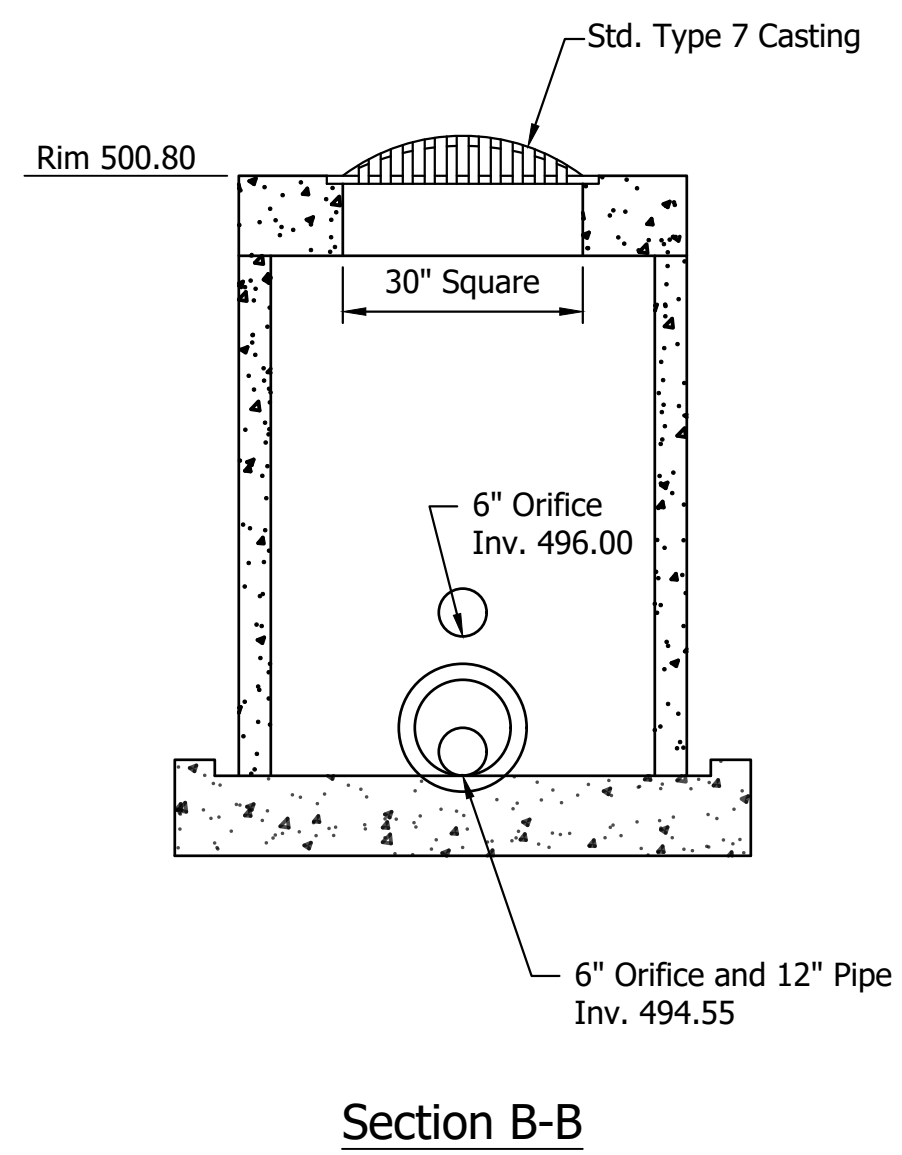
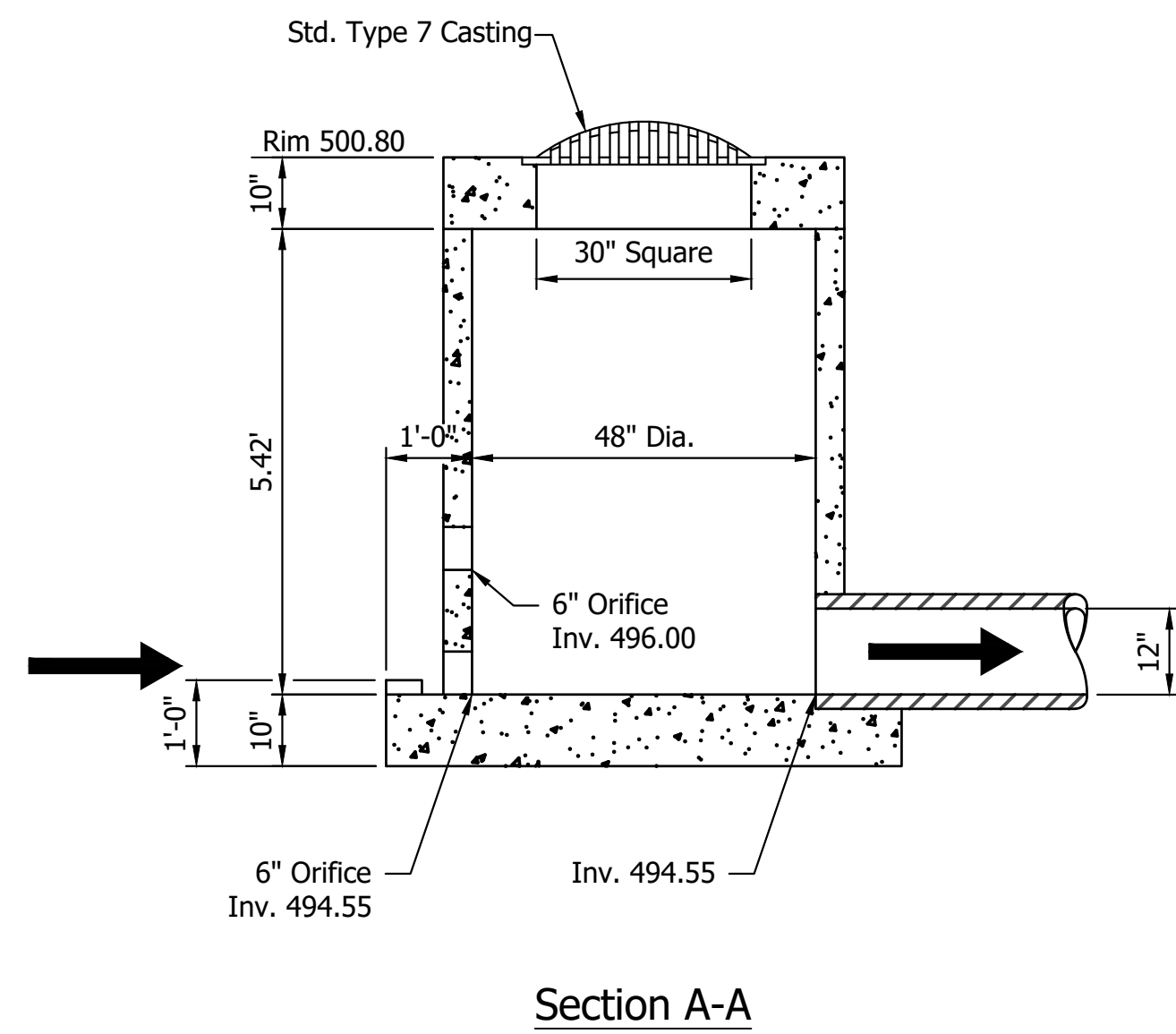
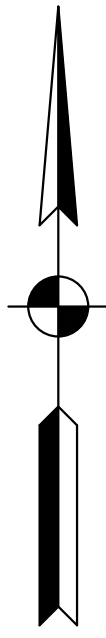
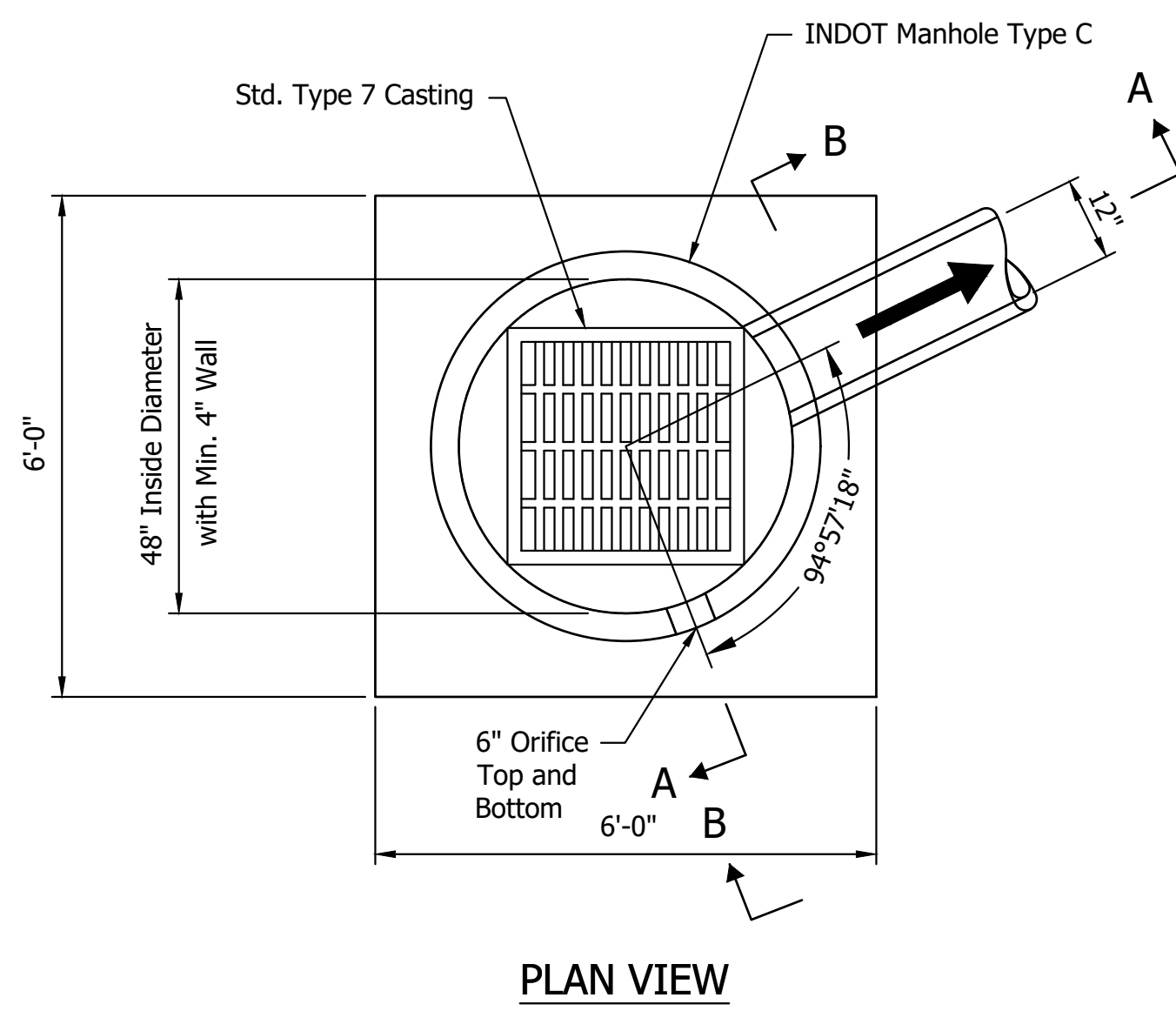


PUBLIC WORKS PROJECT NO. 84003001-22-058-C1  
 CLEAR CREEK WELCOME CENTER  
 VIGO COUNTY, INDIANA

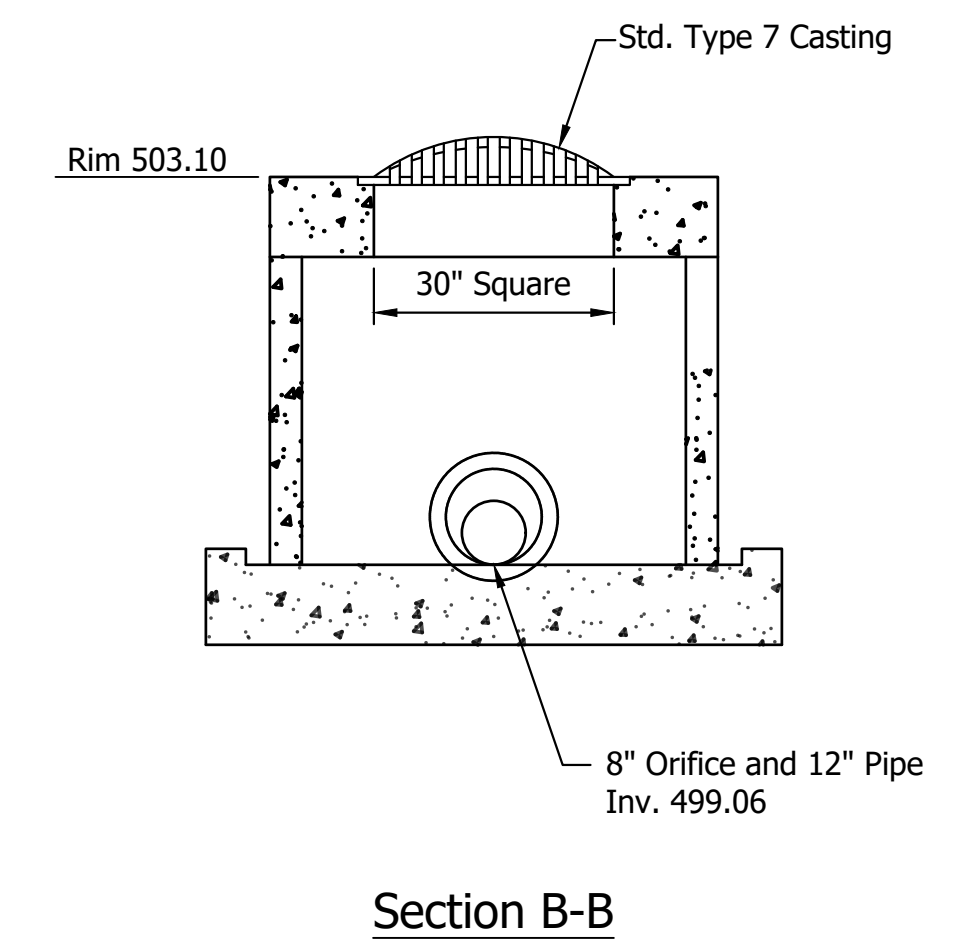
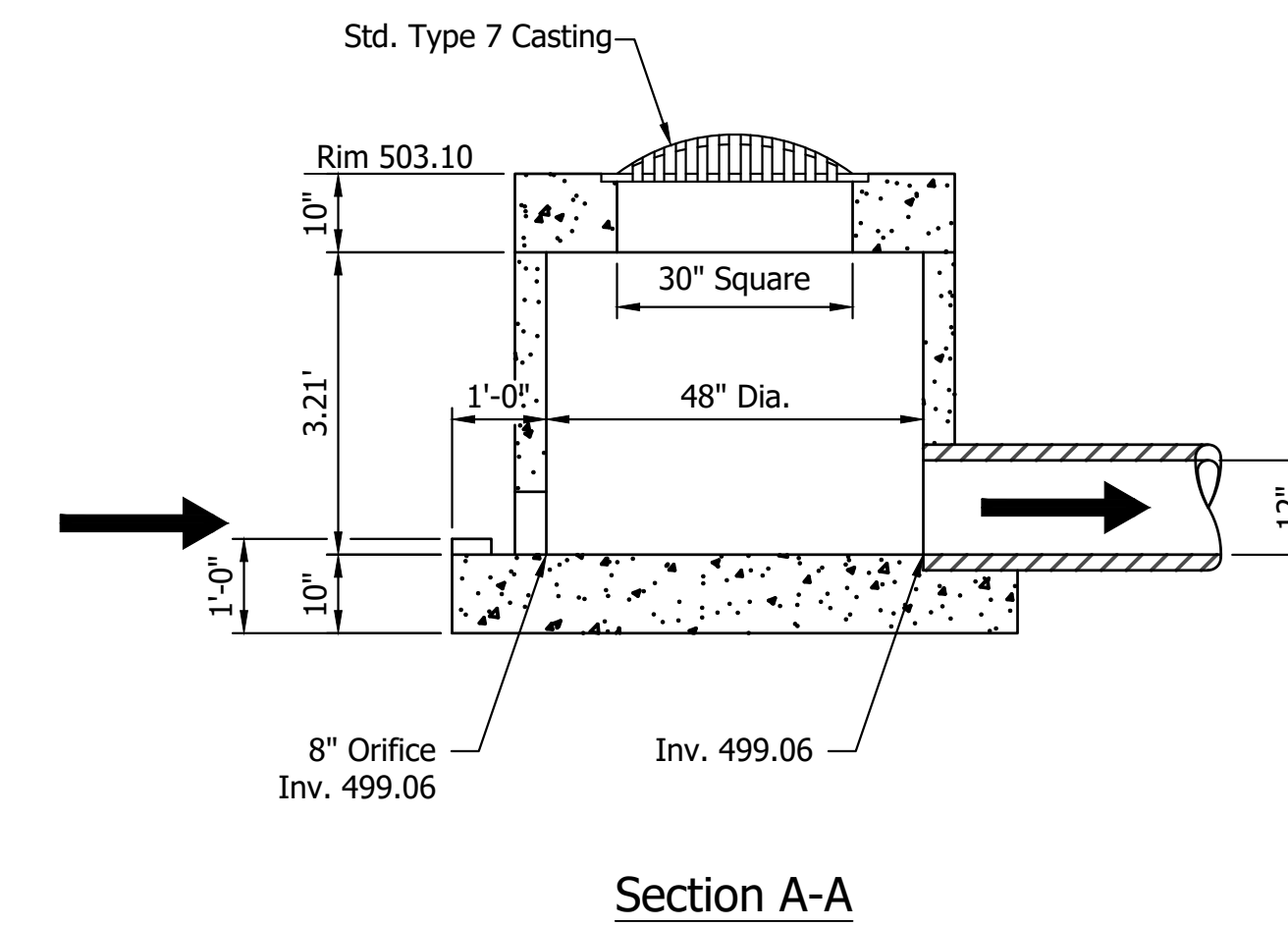
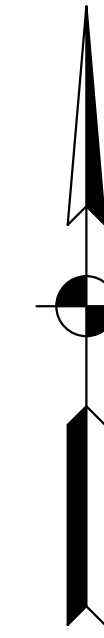
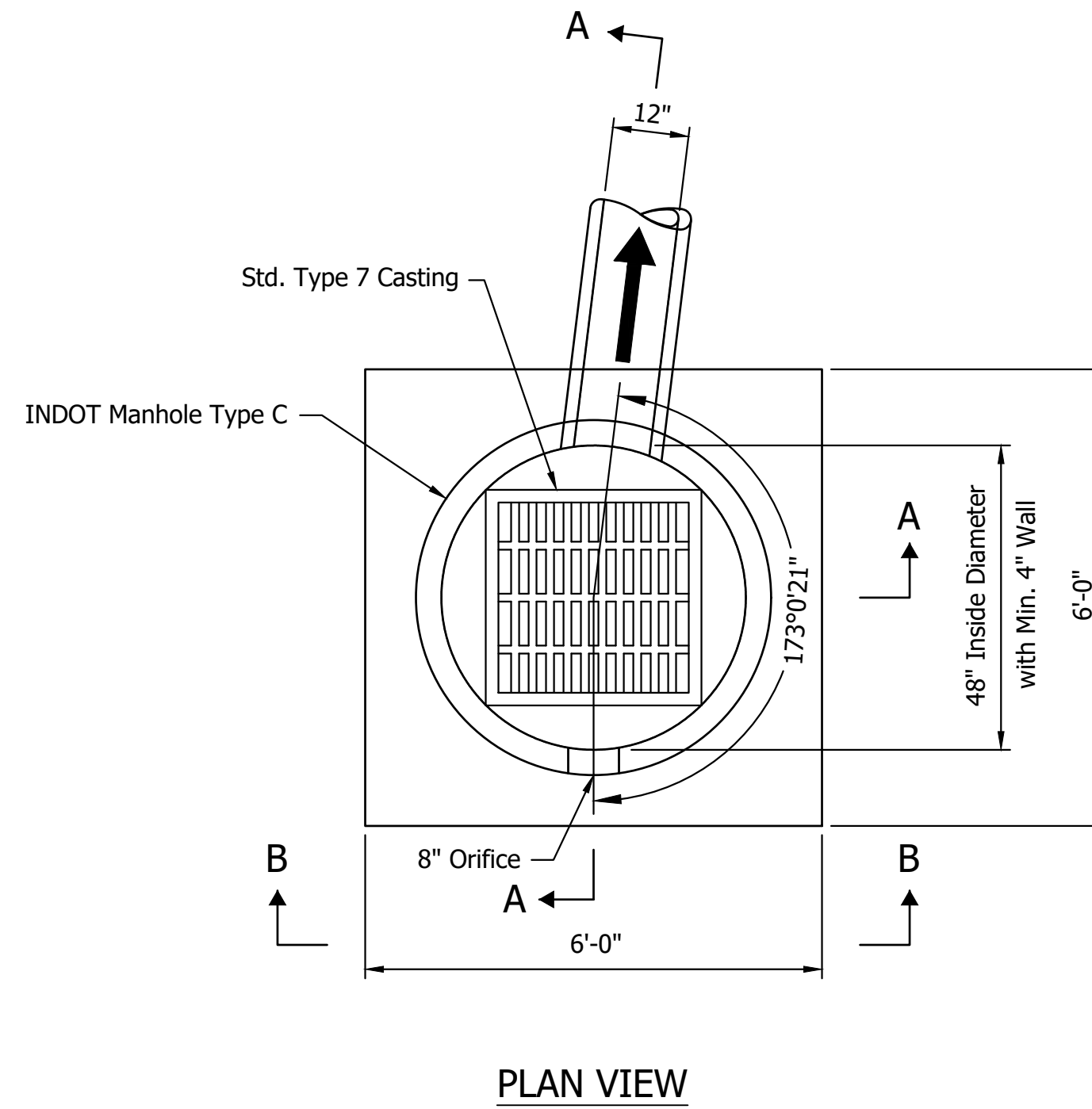


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Account Number:	-
Designer:	RJS
Drawing Date:	02/23/2023
Drafter:	JRC
Drawing Scale:	1"=5'
DAPW Approval:	-
Client Approval:	-
Reference Number:	1364
Building Reference:	-
Drawing Number:	C304
Sheet:	49 of 155

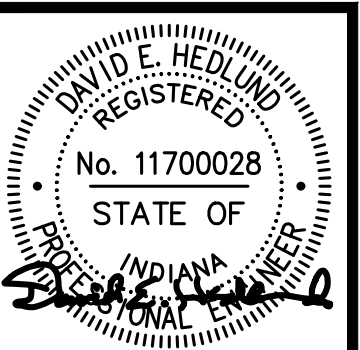




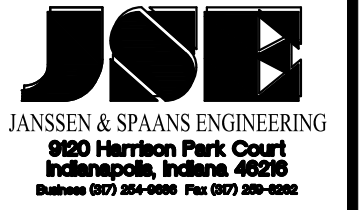
**POND OUTFALL STRUCTURE 41, TYPE C-7**



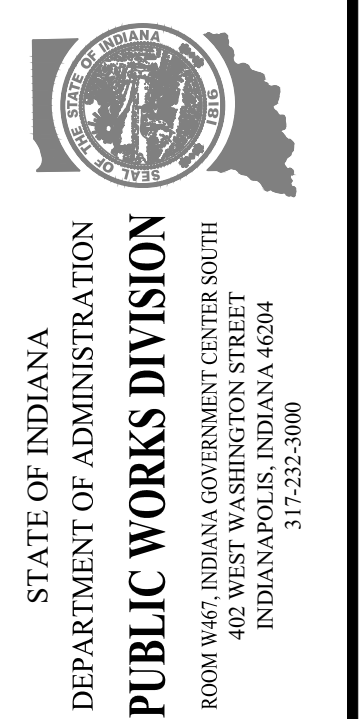
**POND OUTFALL STRUCTURE 50, TYPE C-7**



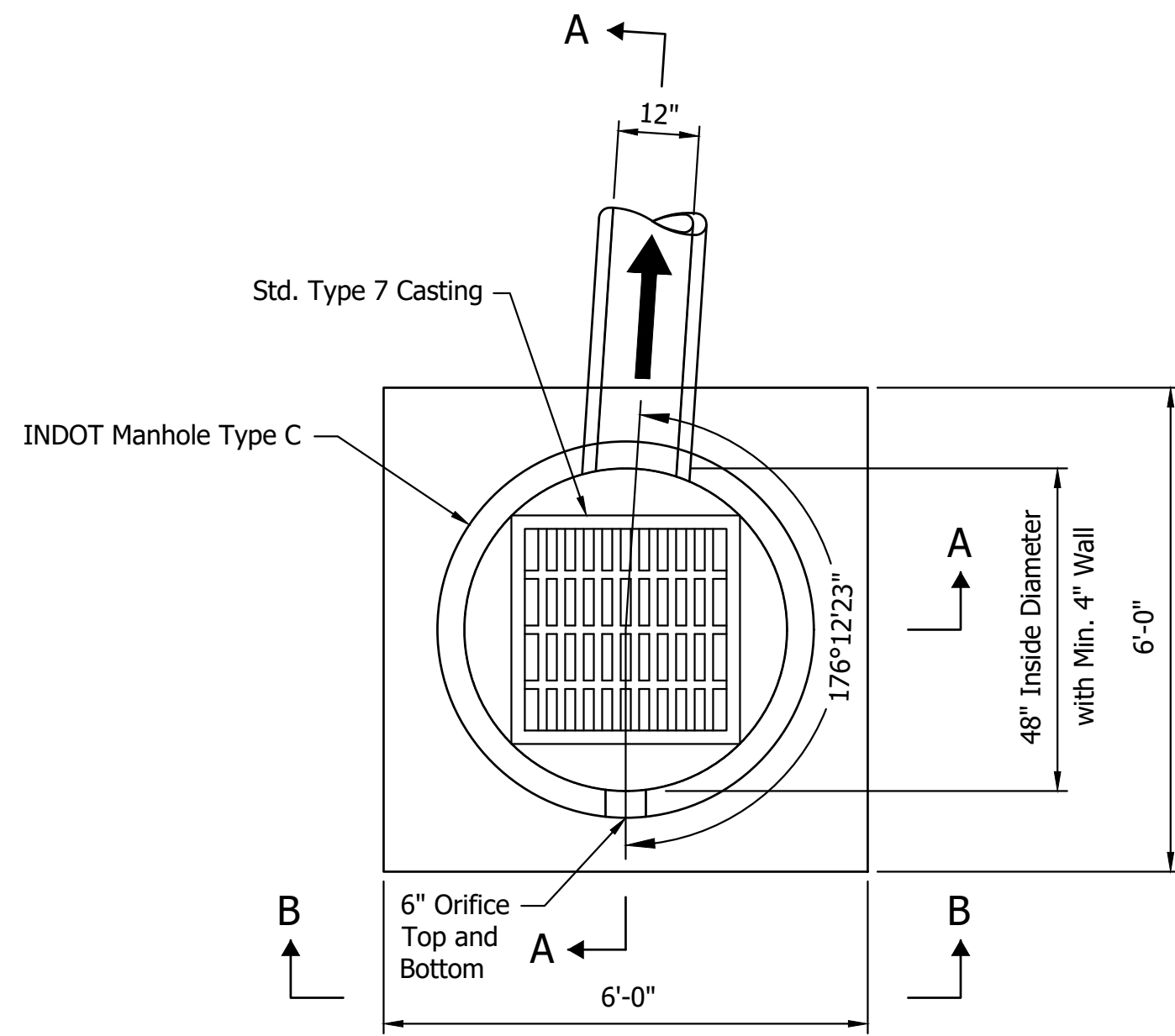
Certified by: David Hedlund



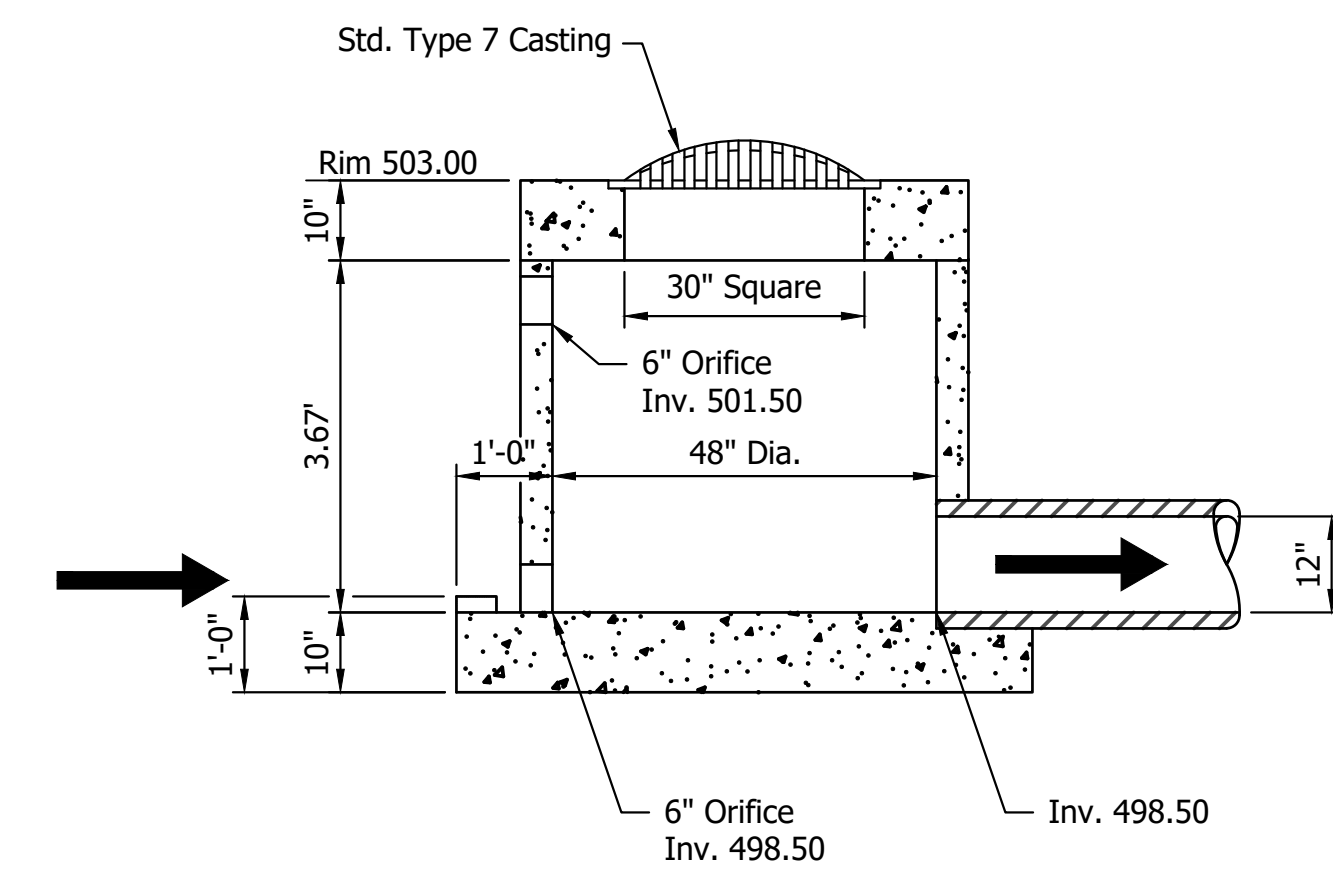
PUBLIC WORKS PROJECT NO. 84003001-22-058-C1  
 CLEAR CREEK WELCOME CENTER  
 VIGO COUNTY, INDIANA



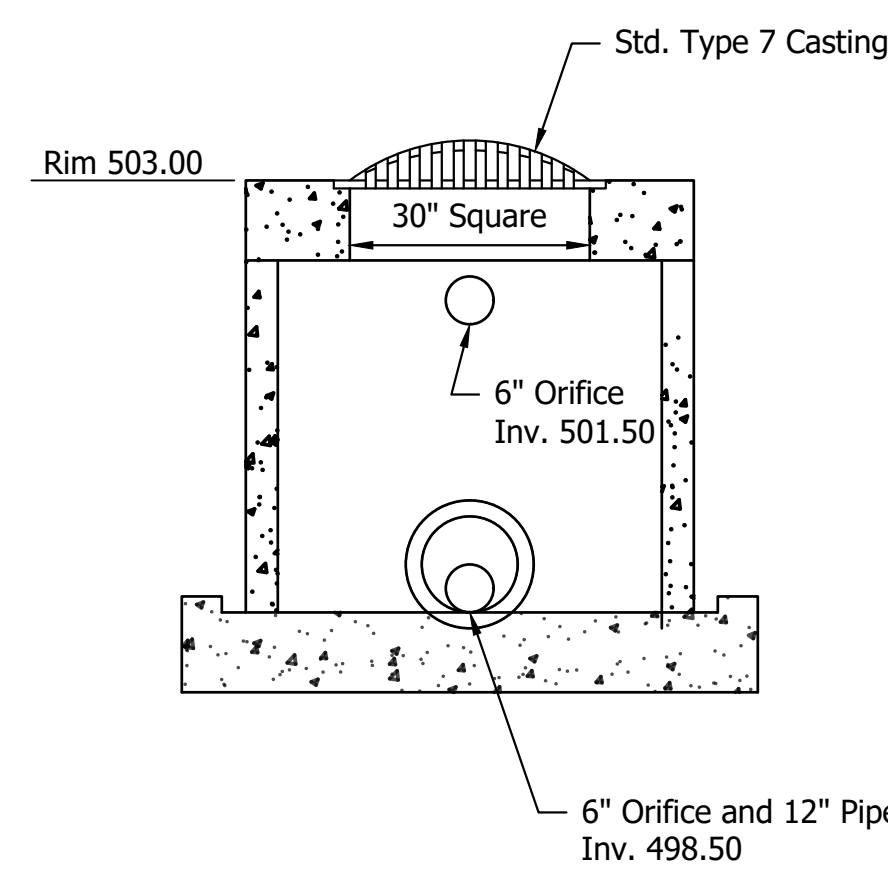
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Designer:	RJS
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Drafter:	JRC
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PLAN VIEW

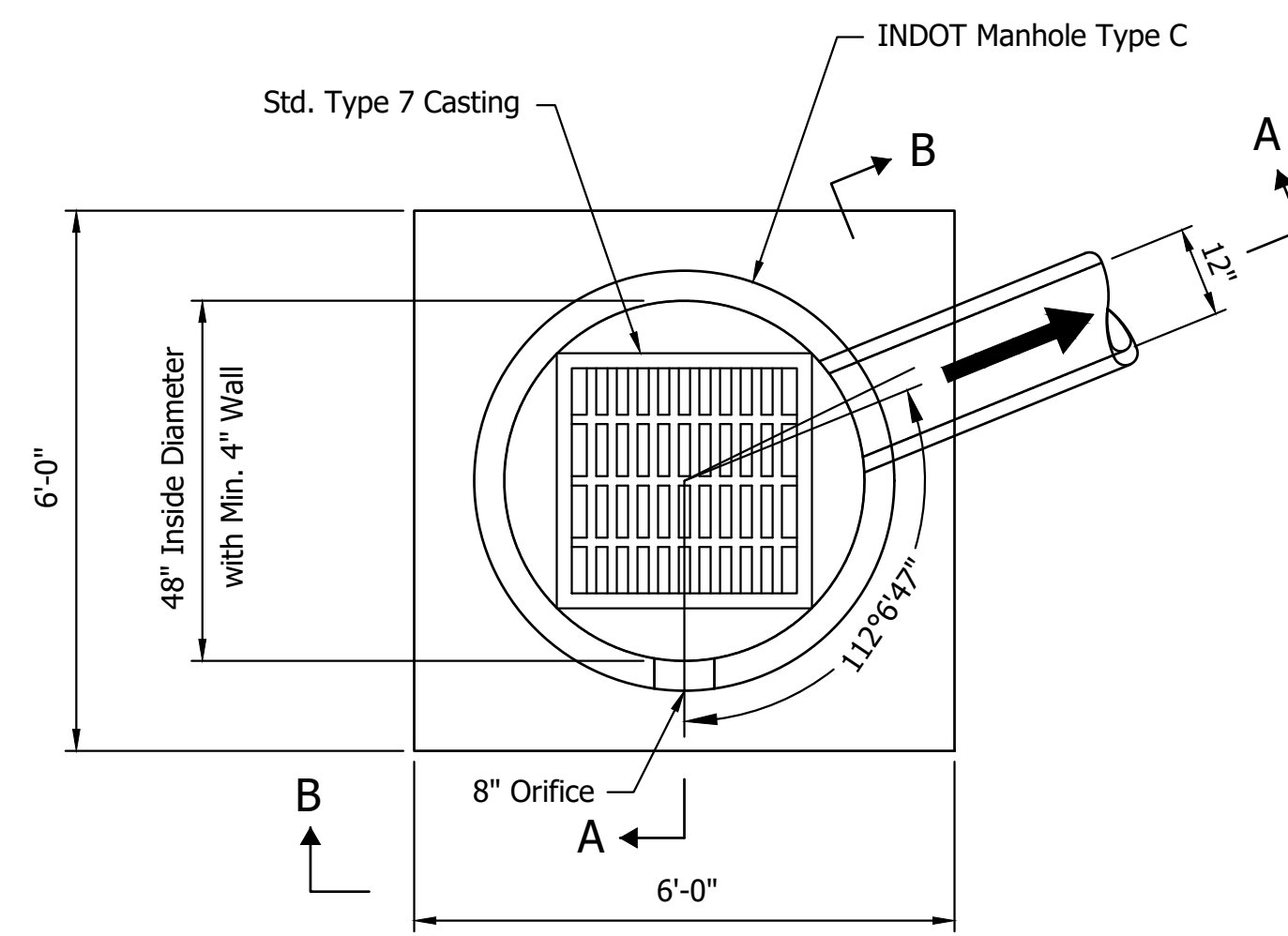


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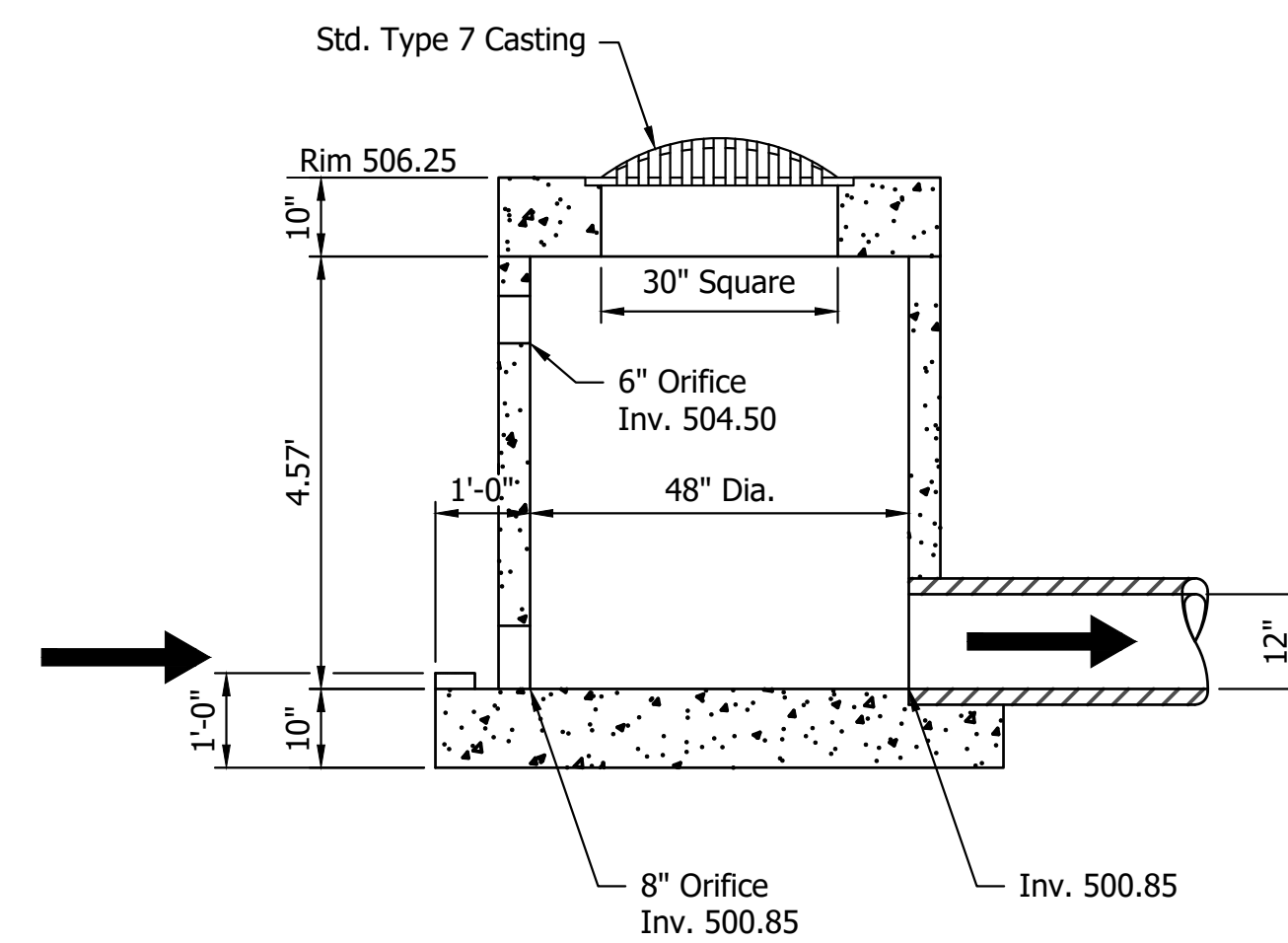


Section B-B

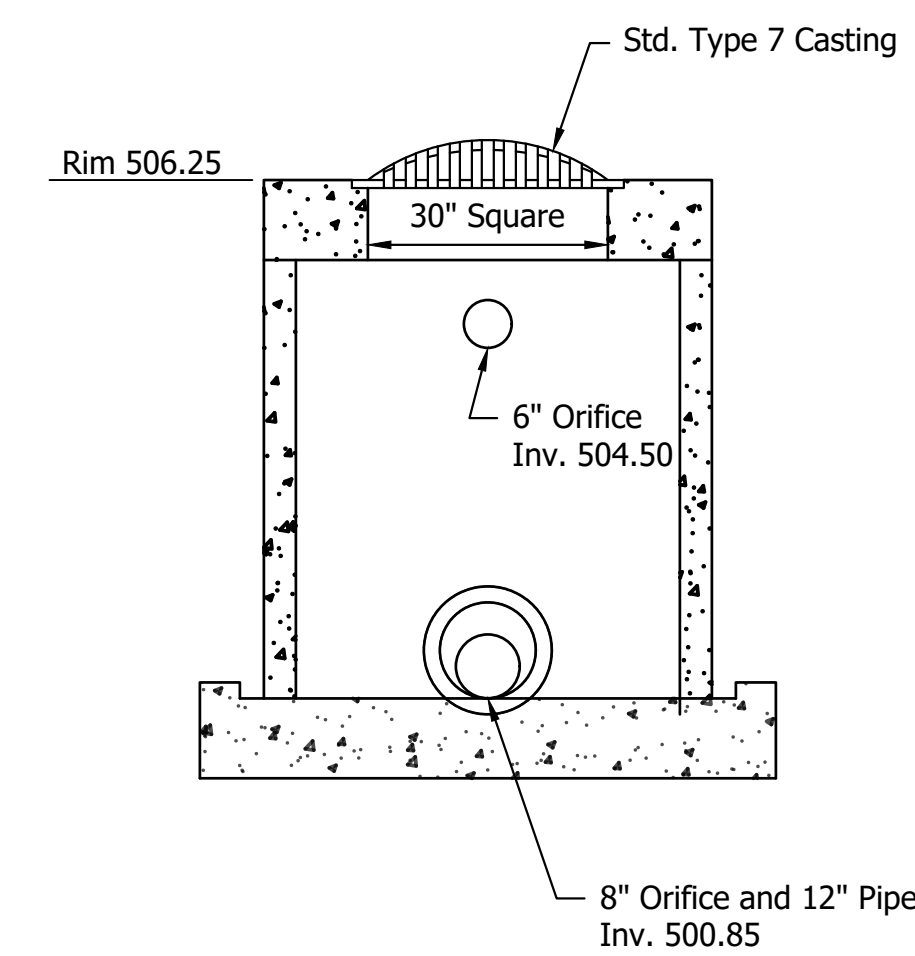
POND OUTFALL STRUCTURE 53, TYPE C-7



PLAN VIEW



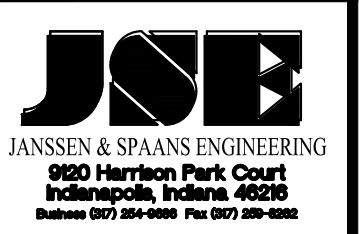
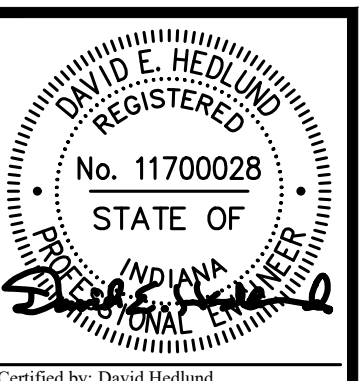
Section A-A



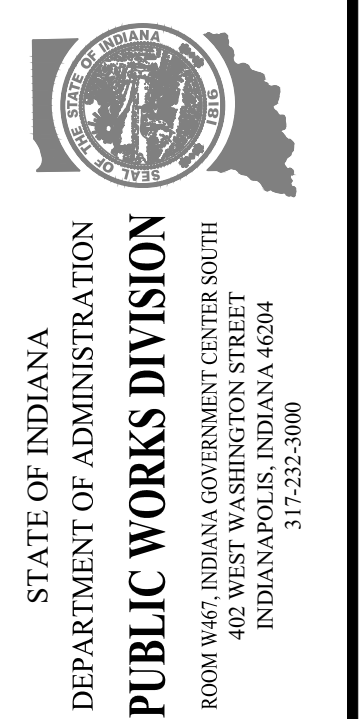
Section B-B

POND OUTFALL STRUCTURE 77, TYPE C-7

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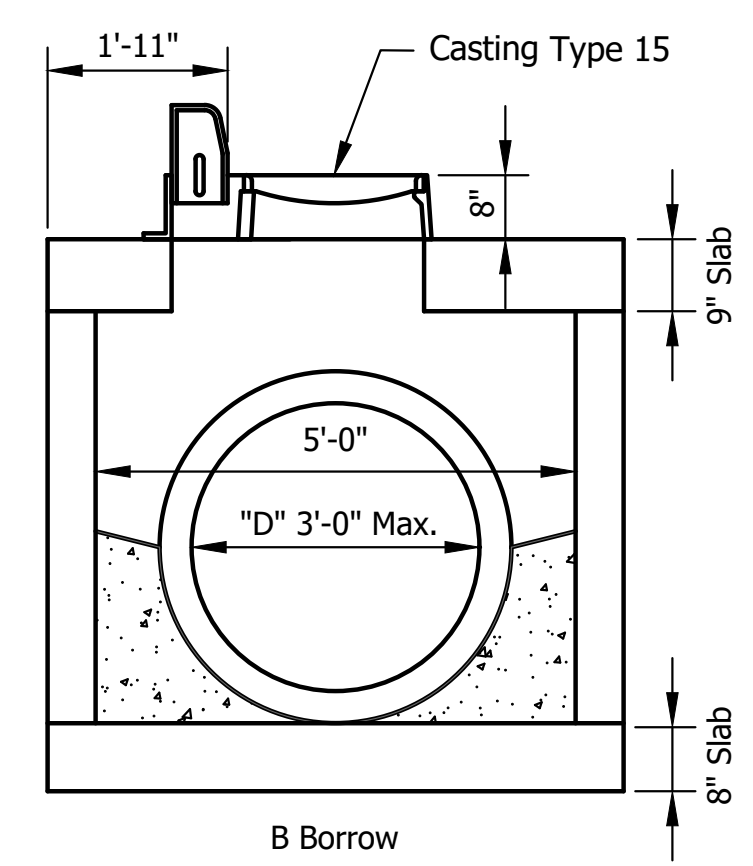
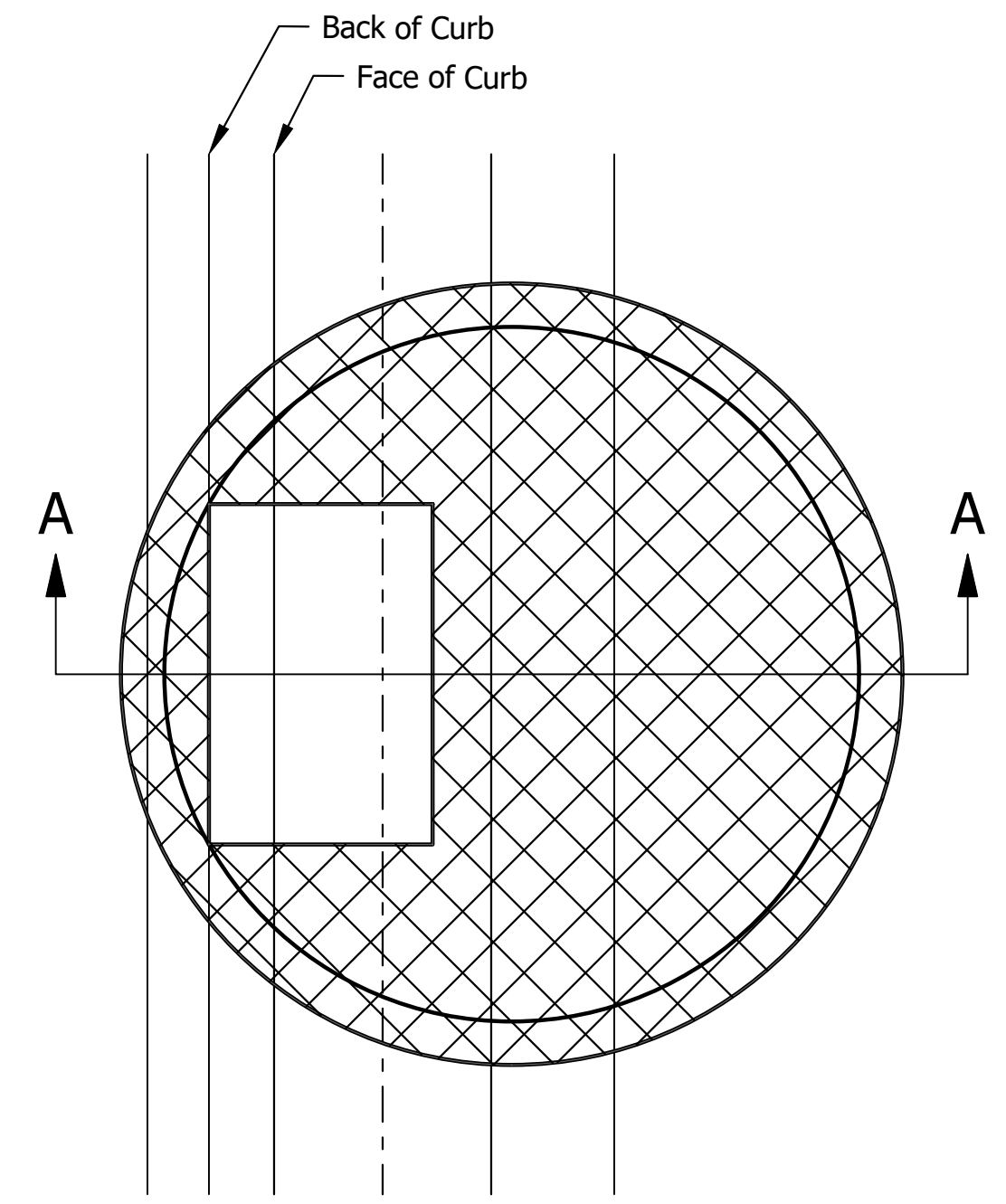
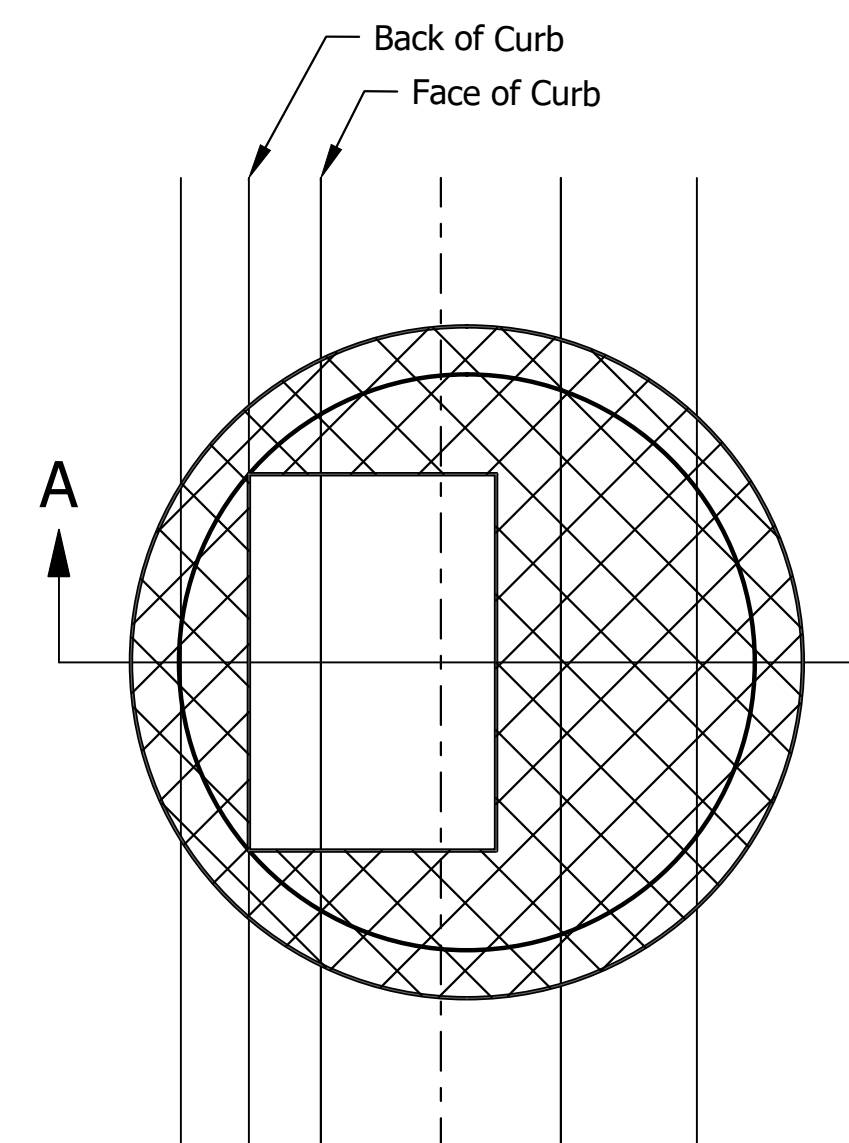
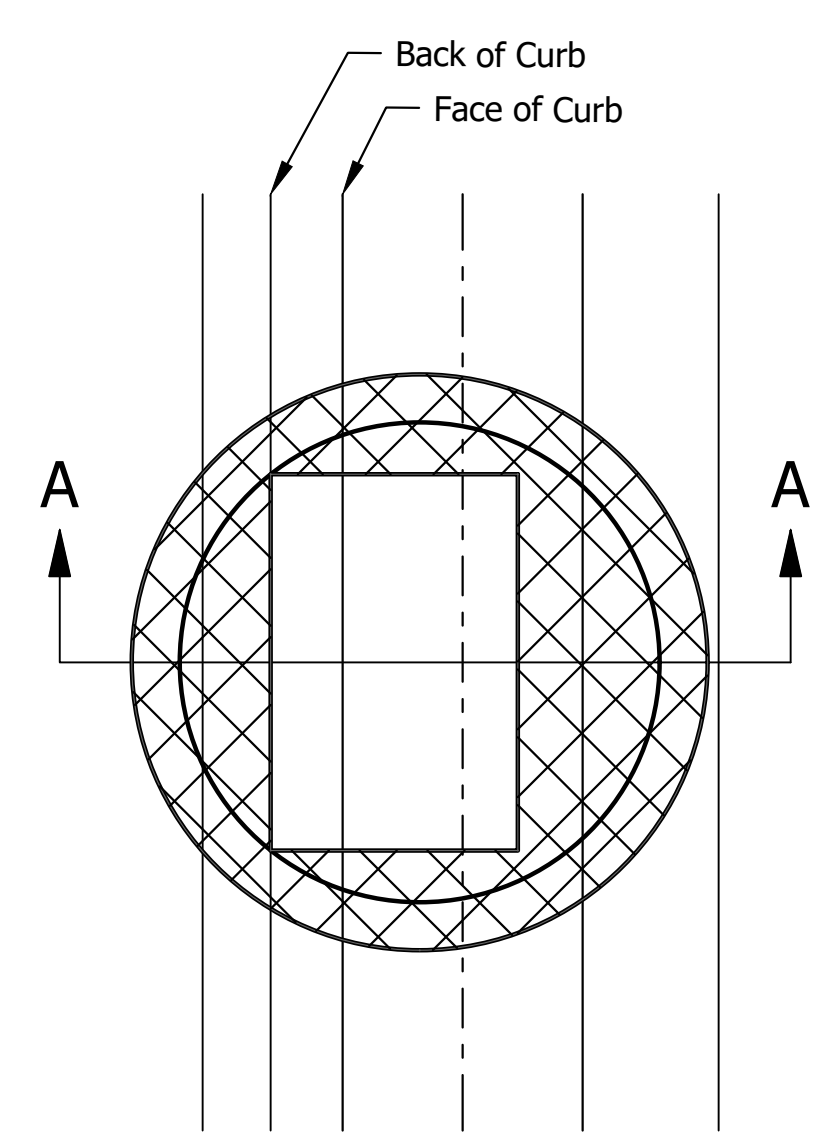


PUBLIC WORKS PROJECT NO. 84003001-22-058-C1  
 CLEAR CREEK WELCOME CENTER  
 VIGO COUNTY, INDIANA



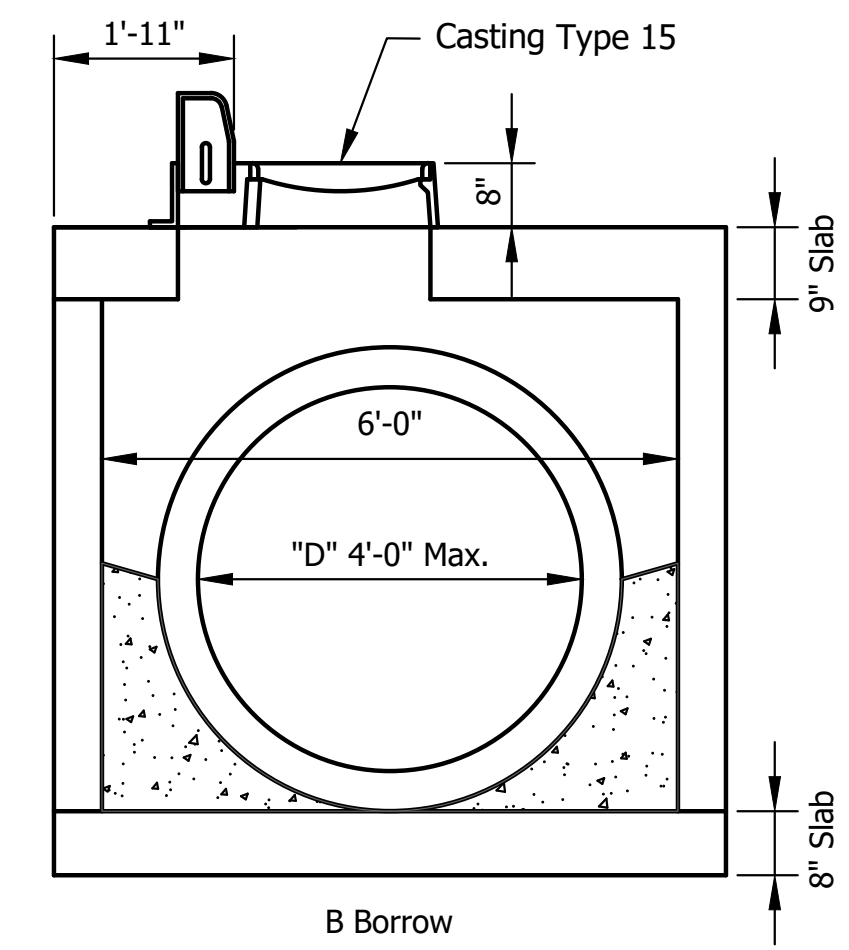
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Requisition Number:	
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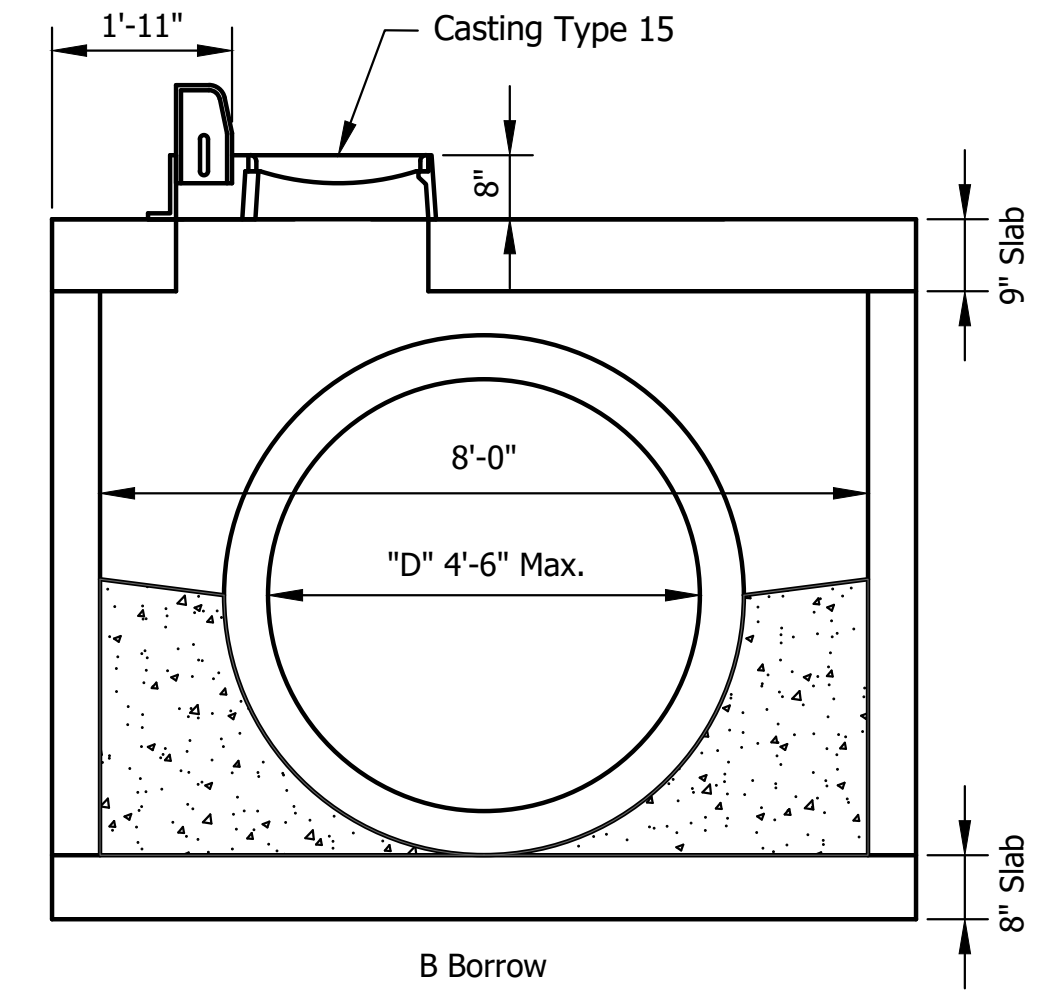
SECTION A-A

MODIFIED DROP MANHOLE TYPE J-15



SECTION A-A

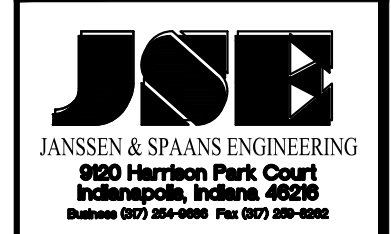
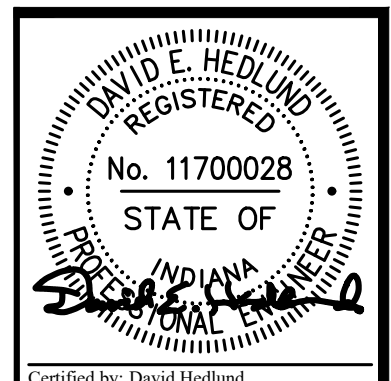
MODIFIED DROP MANHOLE TYPE K-15



SECTION A-A

MODIFIED DROP MANHOLE TYPE L-15

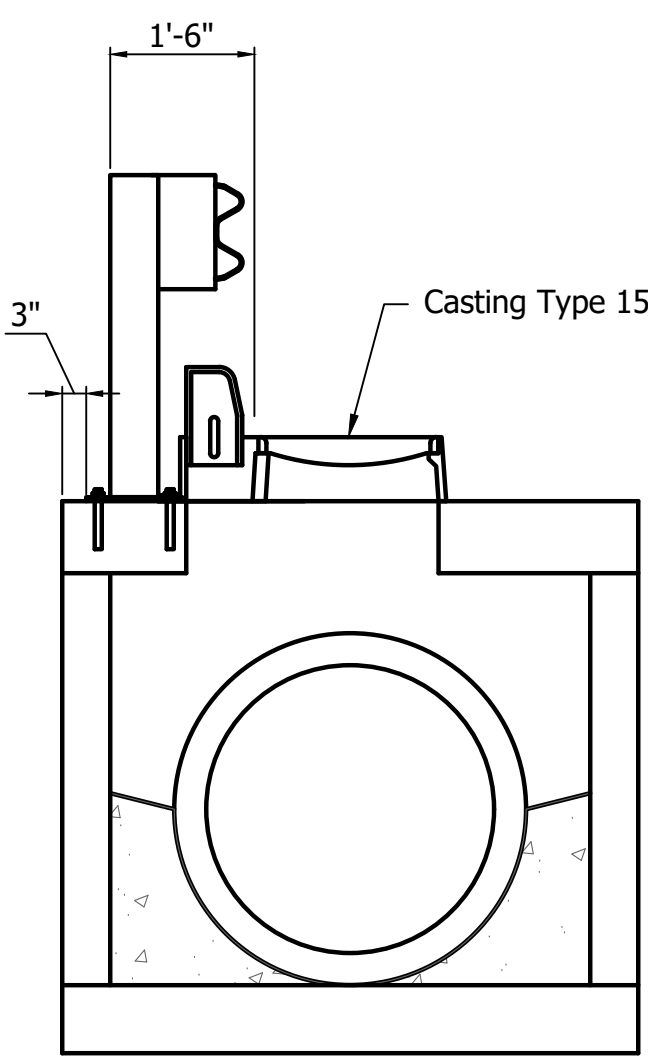
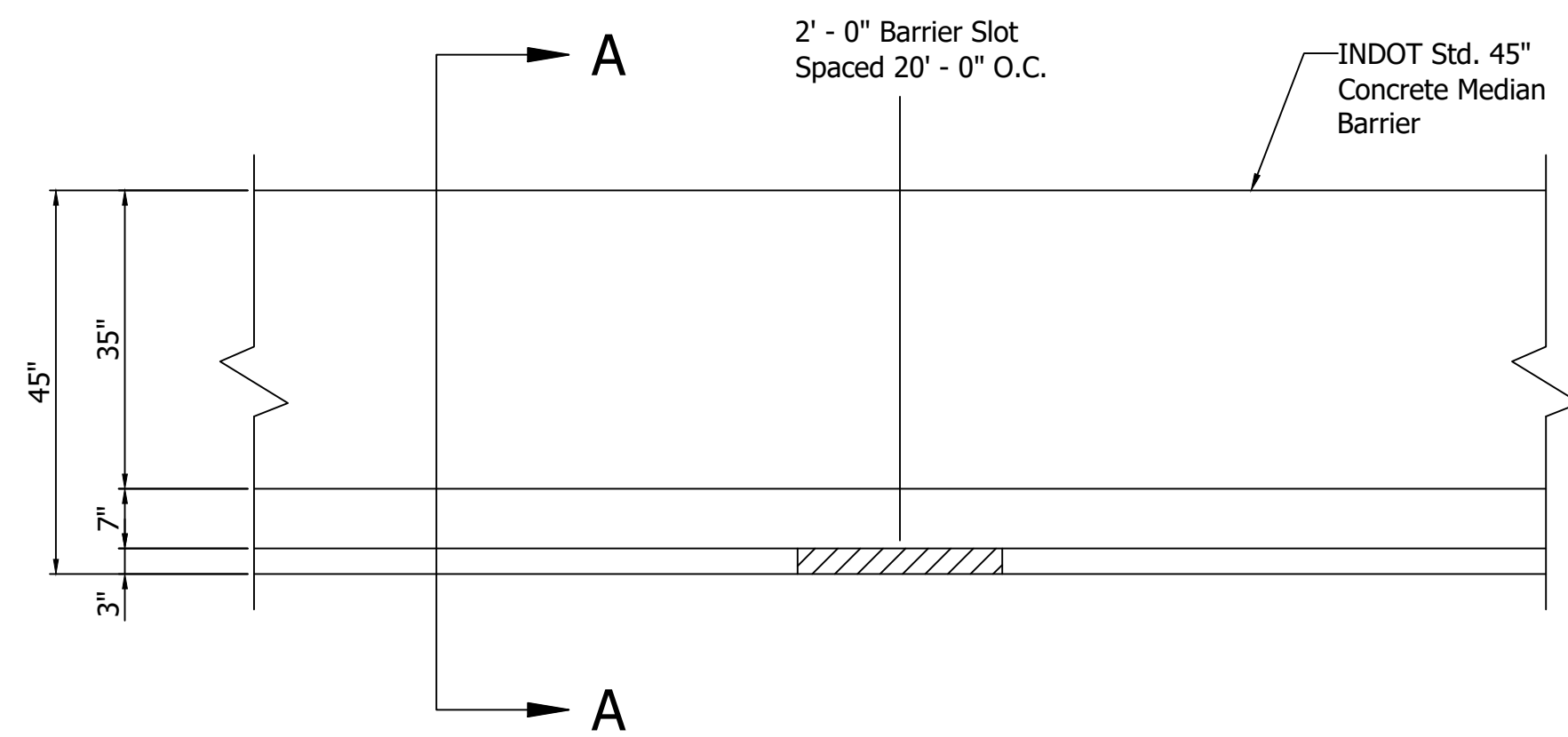
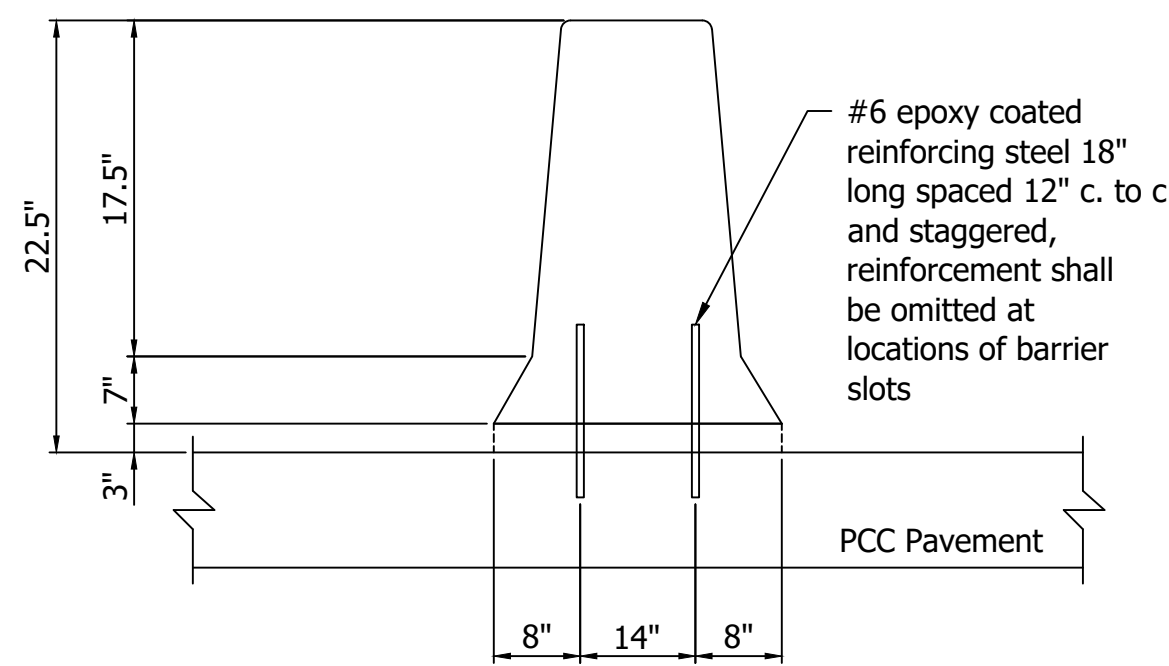
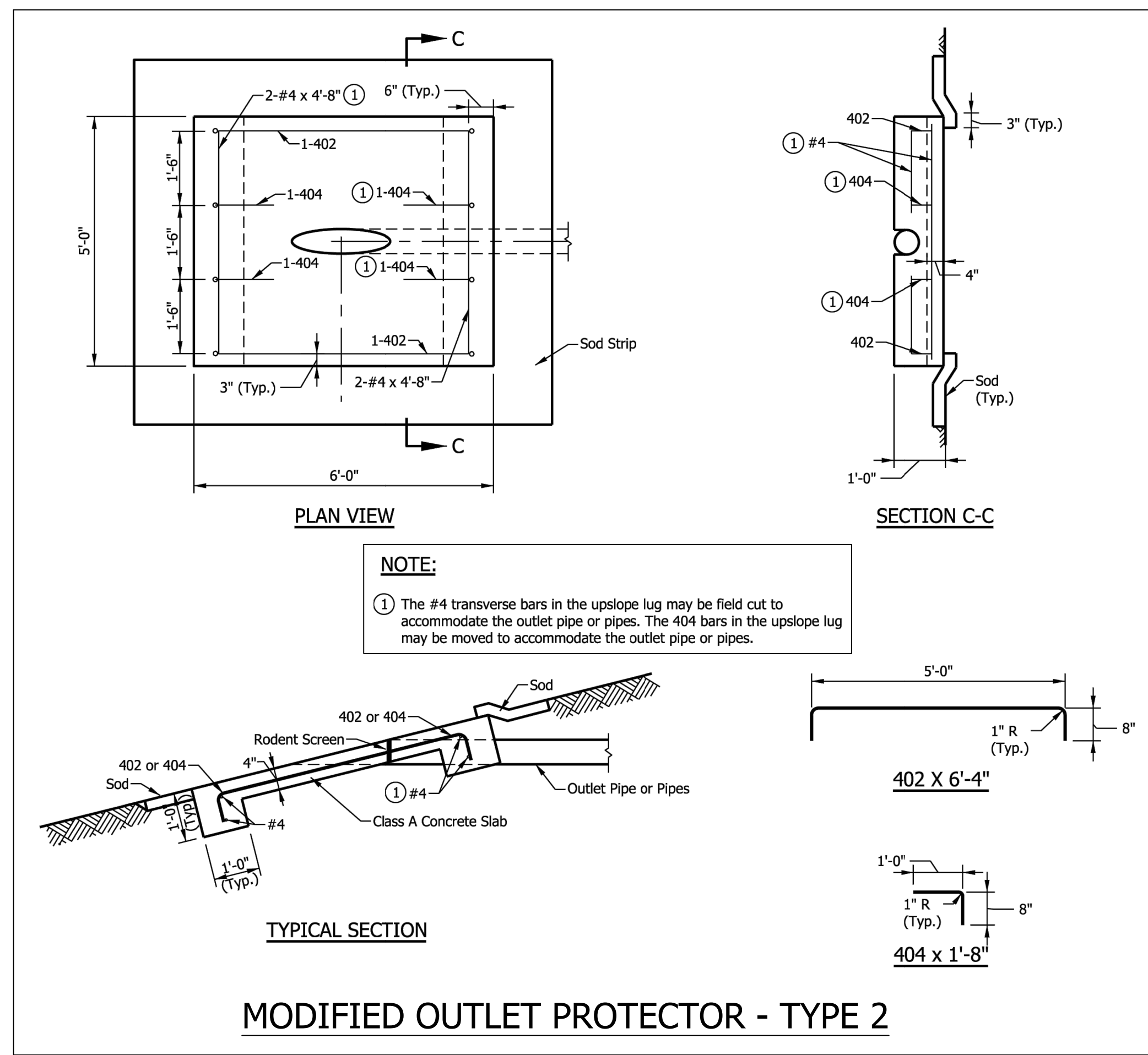
MODIFIED STORM SEWER STRUCTURE DETAILS



PUBLIC WORKS PROJECT NO. 84003001-22-058-C1  
 CLEAR CREEK WELCOME CENTER  
 VIGO COUNTY, INDIANA

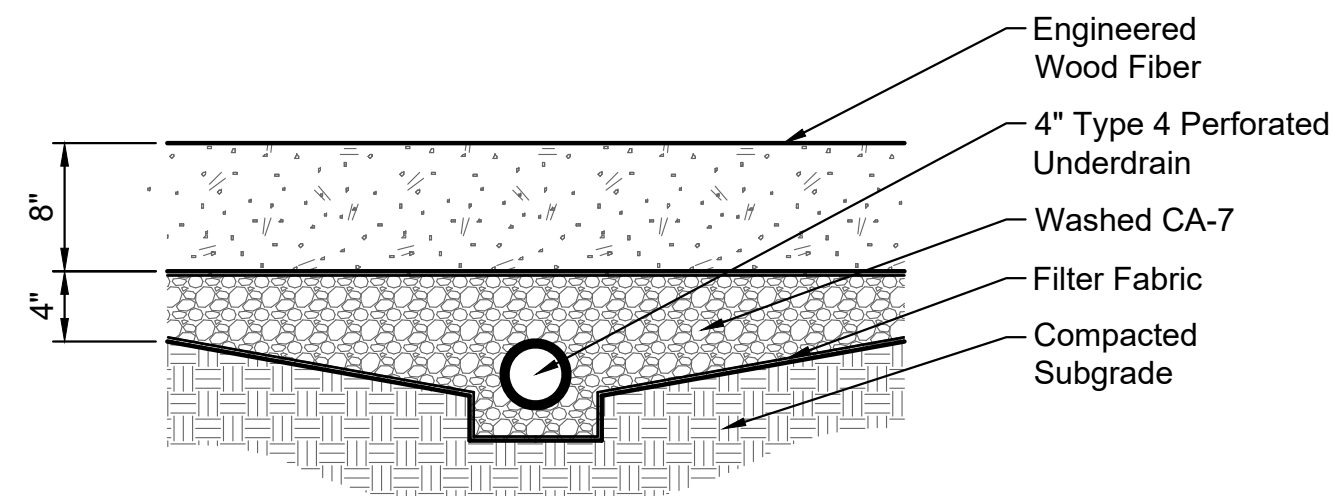


Revisions:	
Project Number:	84003001-22-058-C1
Requisition Number:	
Account Number:	
Designer:	RJS
Drawing Date:	02/23/2023
Drafter:	JRC
Drawing Scale:	N/A
DAPW Approval:	
Client Approval:	
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Sheet:	52 of 155



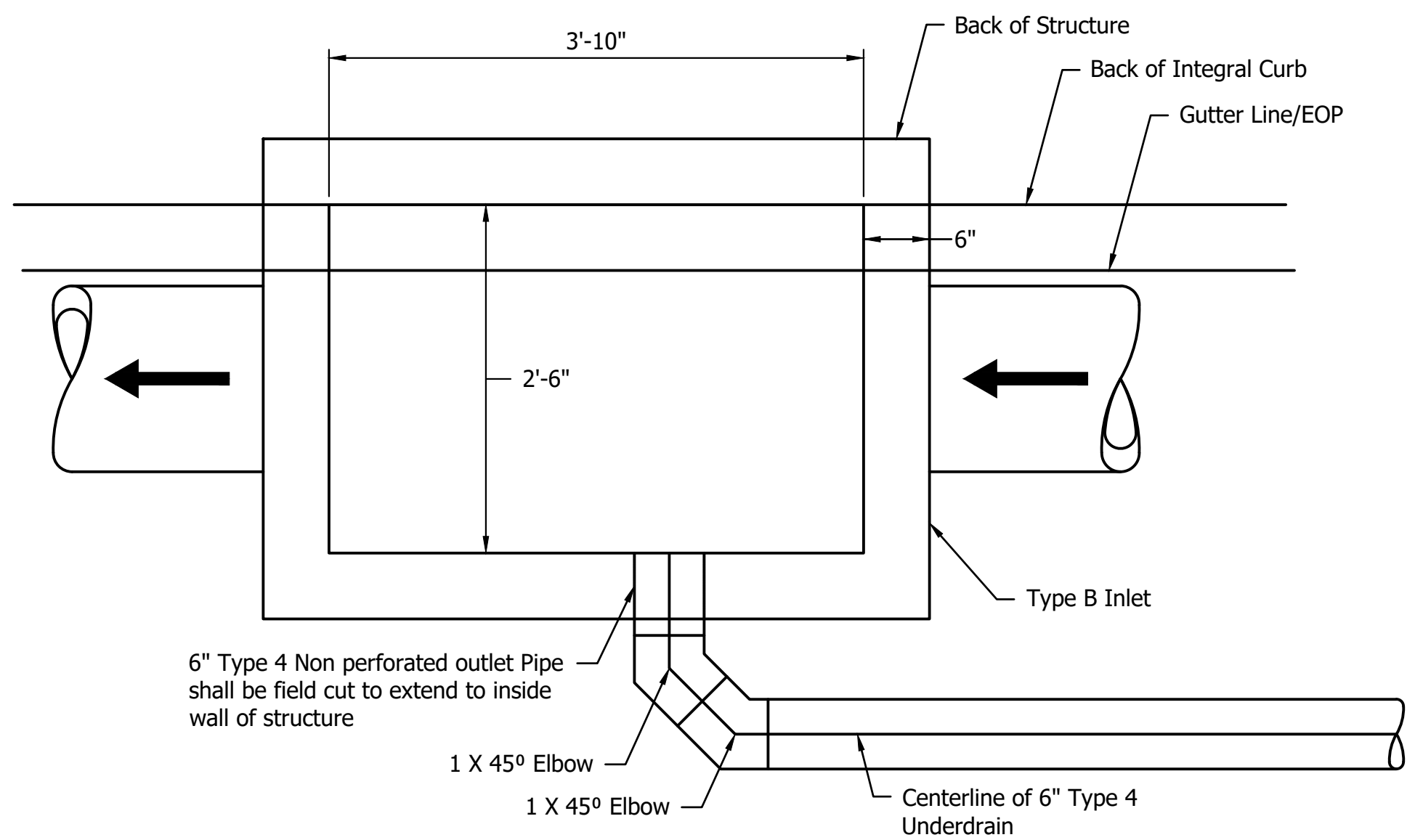
**MODIFIED DROP MANHOLE TYPE J-15, K-15 and L-15**

- Notes:
1. This detail should be used for structures with height greater than 7'.
  2. This detail applies to modified curb inlets with a MGS on top of inlet.
  3. MGS Standards allow for 1 Post to be omitted on a single run.



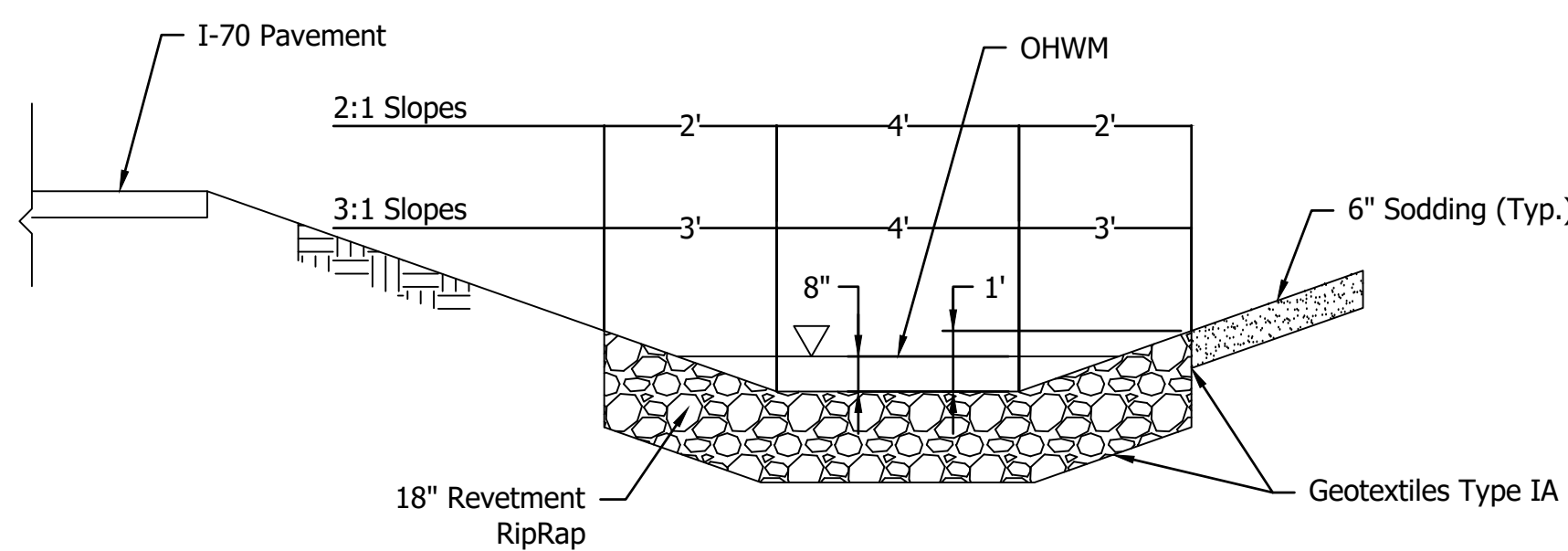
**DOG PARK UNDERDRAIN DETAIL**

- Notes:
1. Underdrain shall Min. 0.3%.
  2. See Plan Sheet for Outlet Locations.
  3. Outlet Pipe shall be Non-Perforated PVC.



**(2) 45° Bend Detail for Underdrain Side Connection**

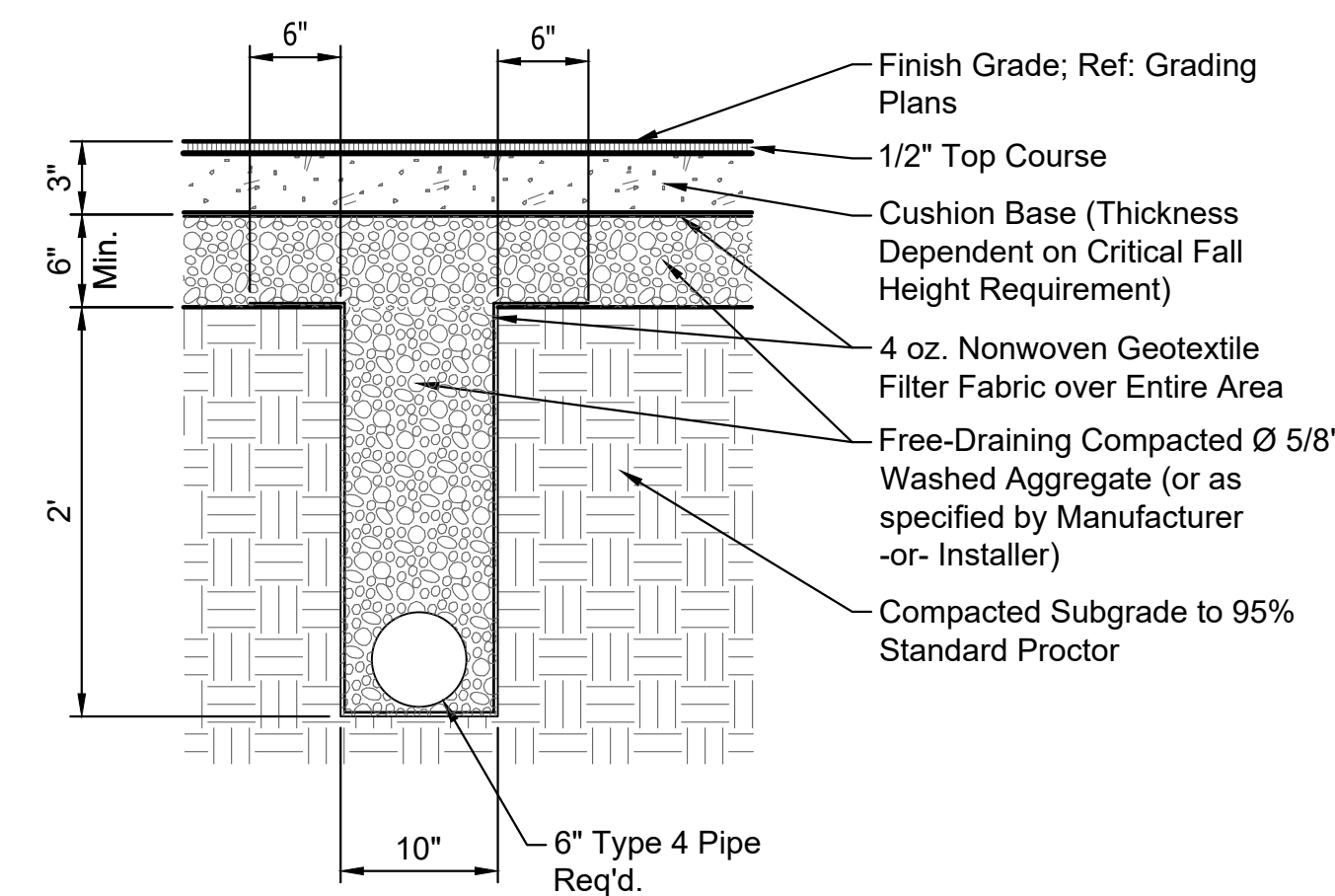
- \* Detail should be used when in conflict with Storm Sewer Pipe
- \* See Underdrain Summary Table for Invert/Connection Information



**RIPRAP DITCH**

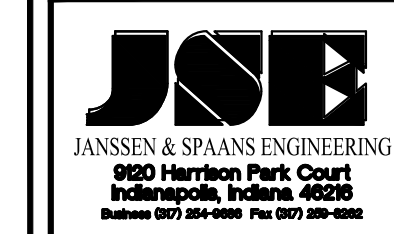
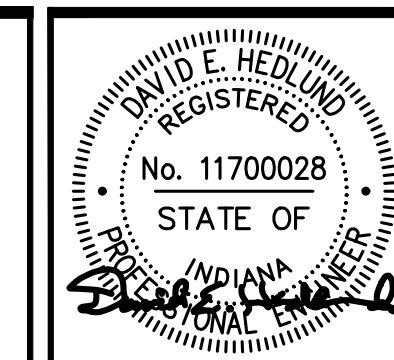
Not to Scale

**PLAYGROUND UNDERDRAIN DETAIL**



- Notes:
1. Underdrain shall be Min. 0.3% Slope.
  2. See Plan Sheet for Outlet Location.
  3. Outlet Pipe shall be Non-Perforated PVC.

List Saved By: mreed Printed: 2/7/23  
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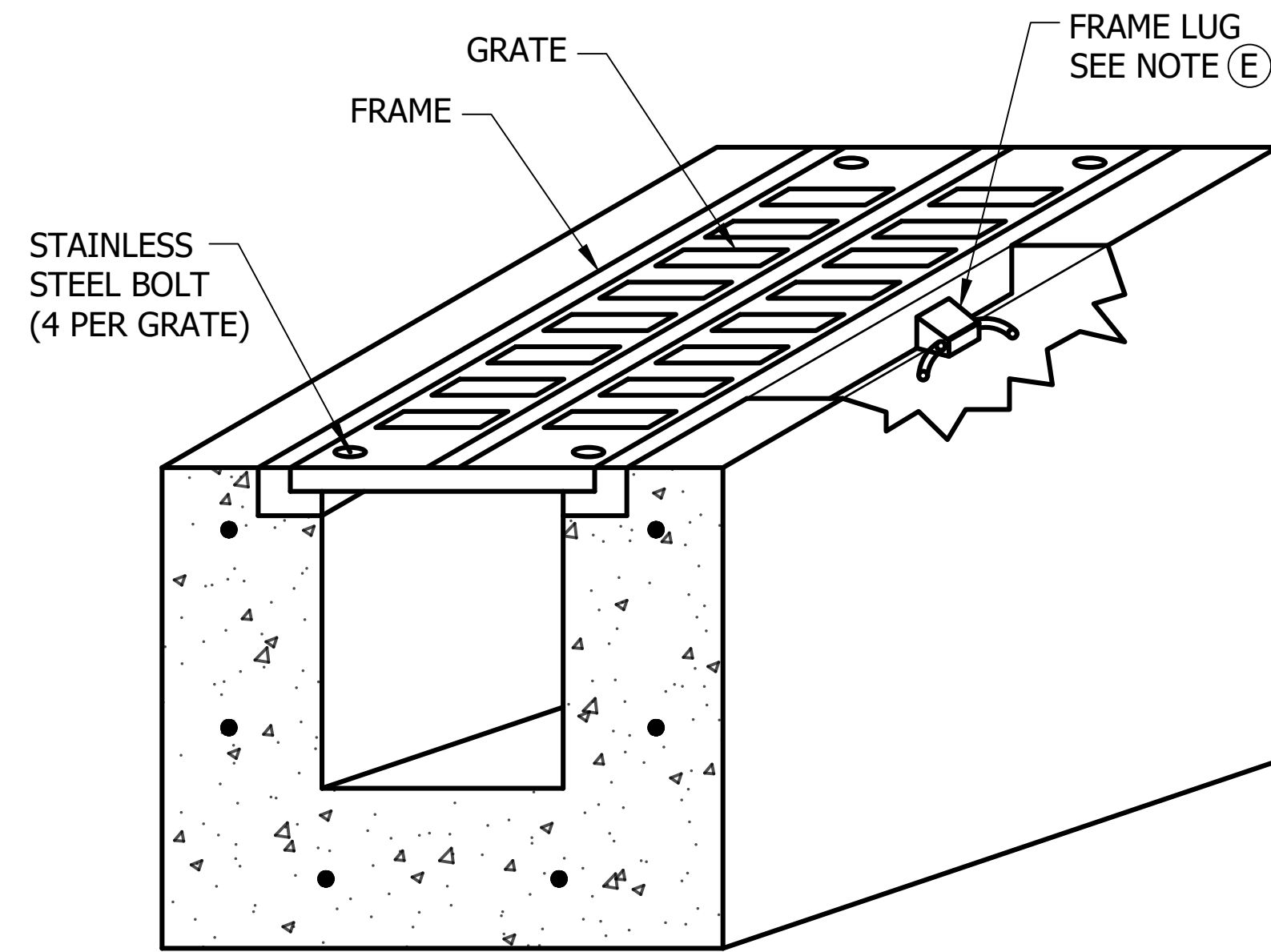


PUBLIC WORKS PROJECT NO. 84003001-22-058-C1  
 CLEAR CREEK WELCOME CENTER  
 VIGO COUNTY, INDIANA

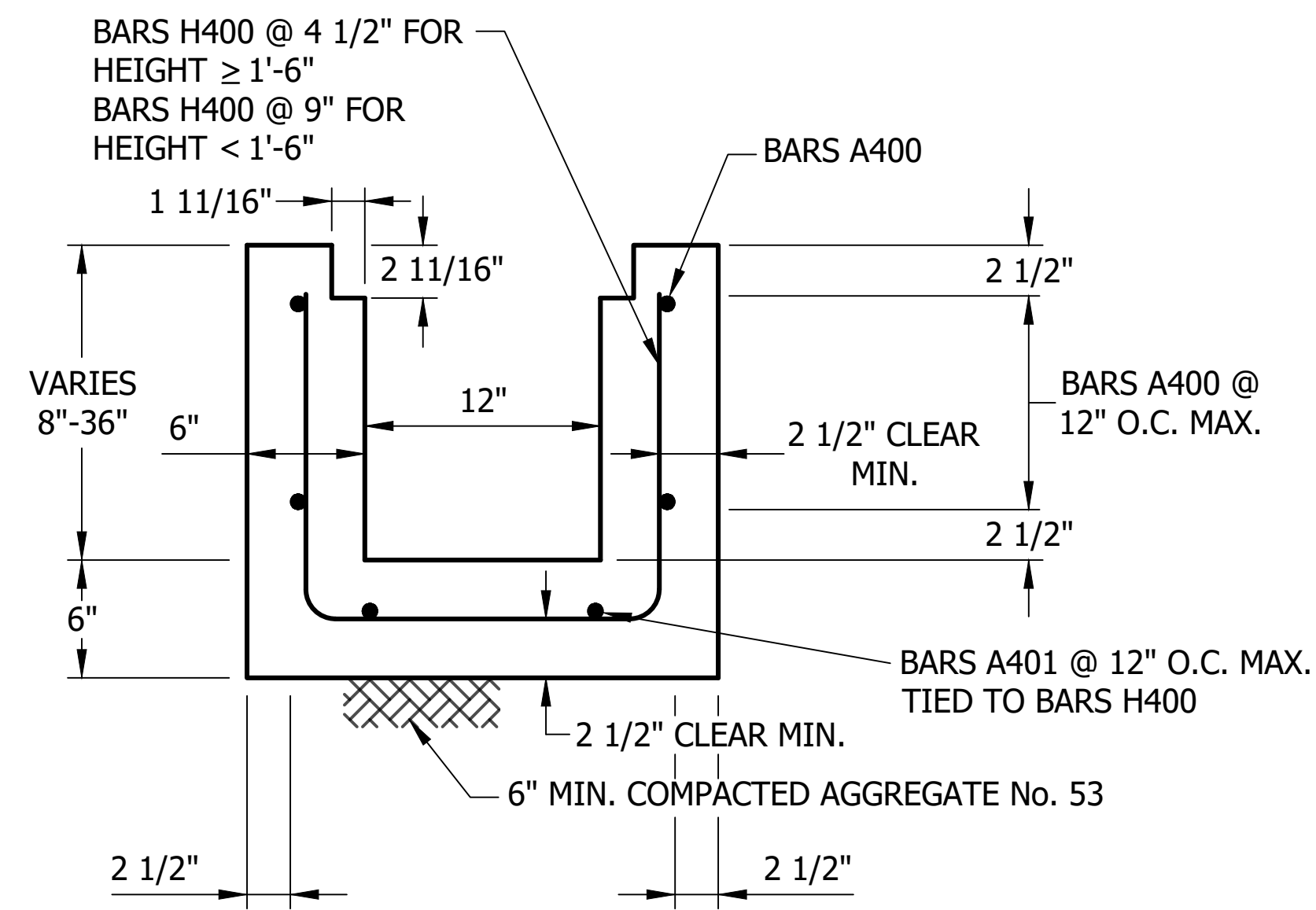


STATE OF INDIANA  
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 PUBLIC WORKS DIVISION  
 ROOM 9407, INDIANA GOVERNMENT CENTER SOUTH  
 402 WEST WASHINGTON STREET  
 INDIANAPOLIS, INDIANA 46204  
 317-232-3000

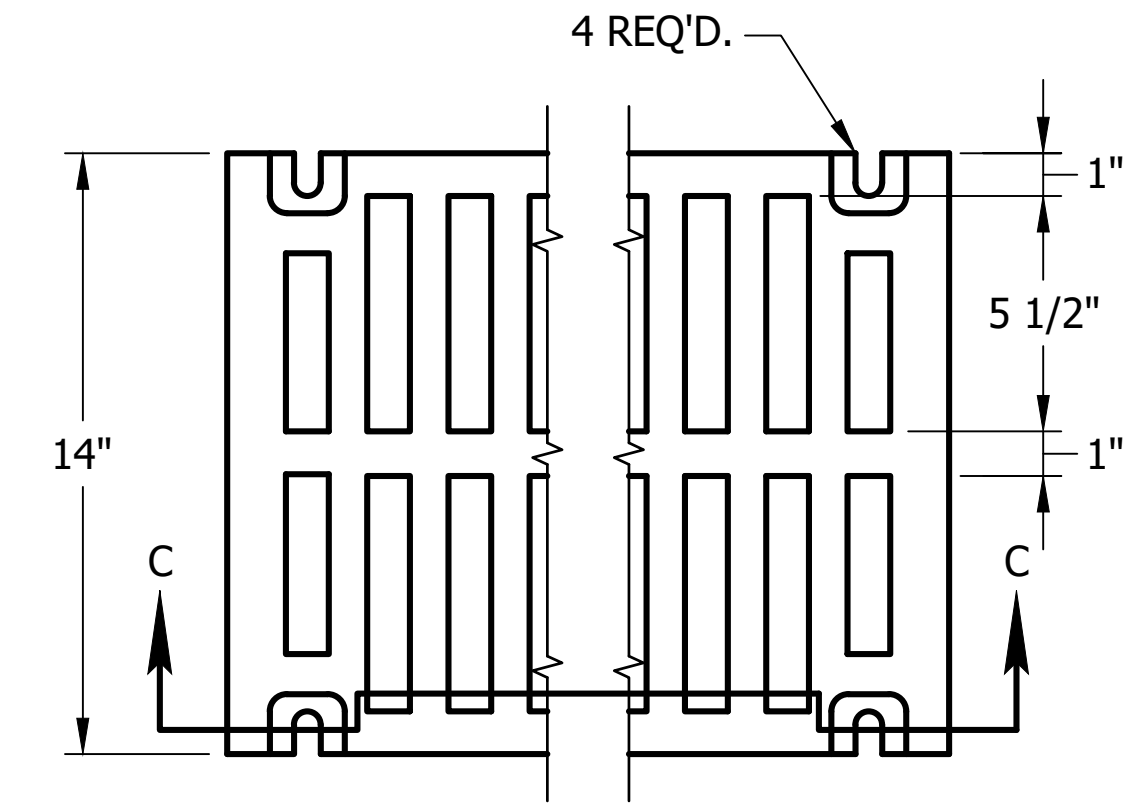
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Requisition Number:	
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Drafter:	JRC
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Sheet:	53 of 155



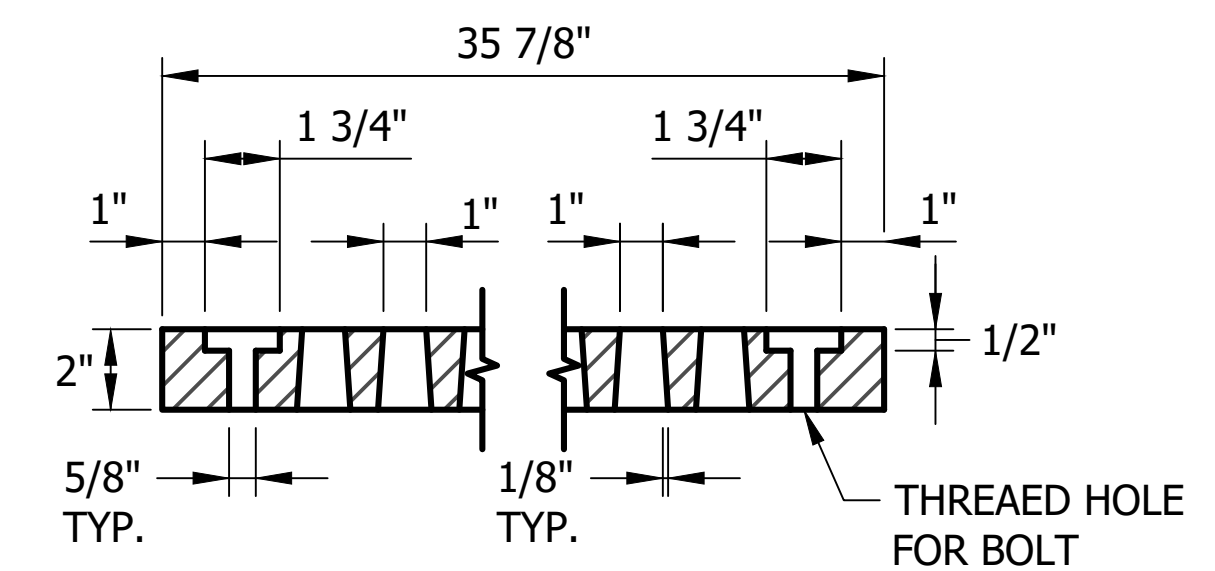
PERSPECTIVE VIEW



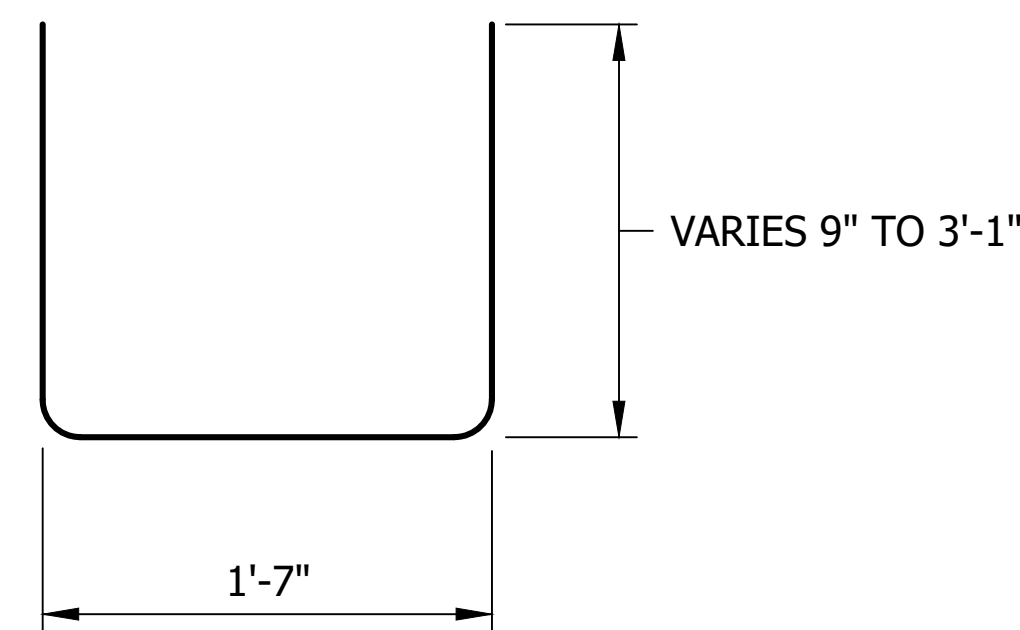
TYPICAL TRENCH CROSS SECTION



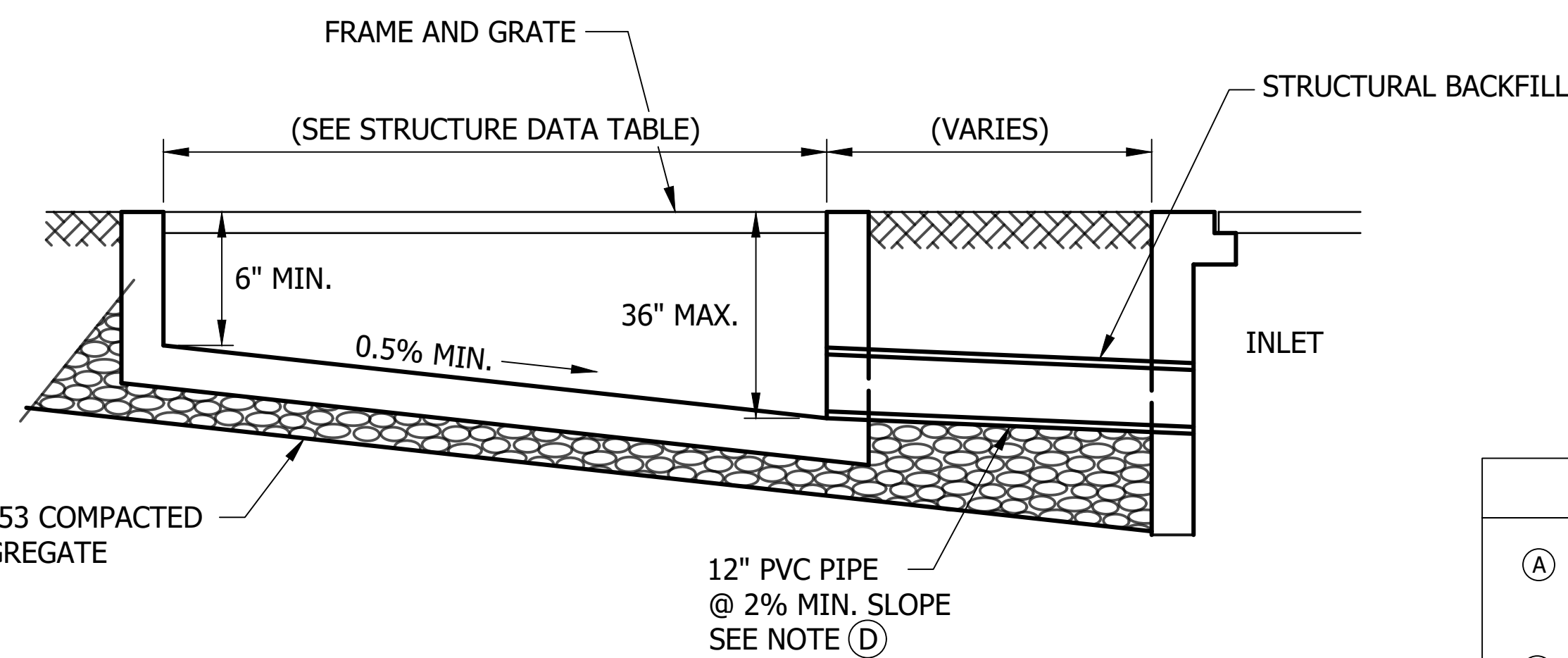
GRATE AND FRAME SHALL BE HEAVY DUTY AND CAPABLE OF SUPPORTING HS-20 LOADING (NEENAH R-4990-DA)



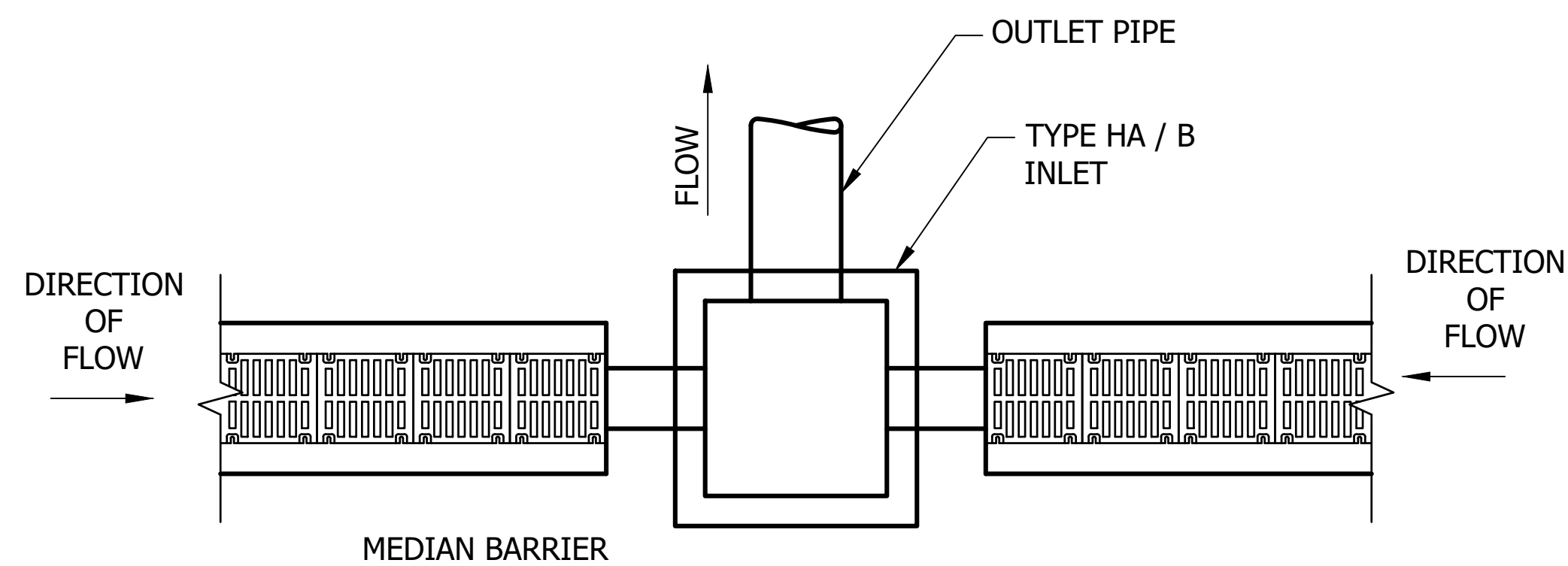
DETAIL OF SINGLE GRATE UNIT SECTION C-C



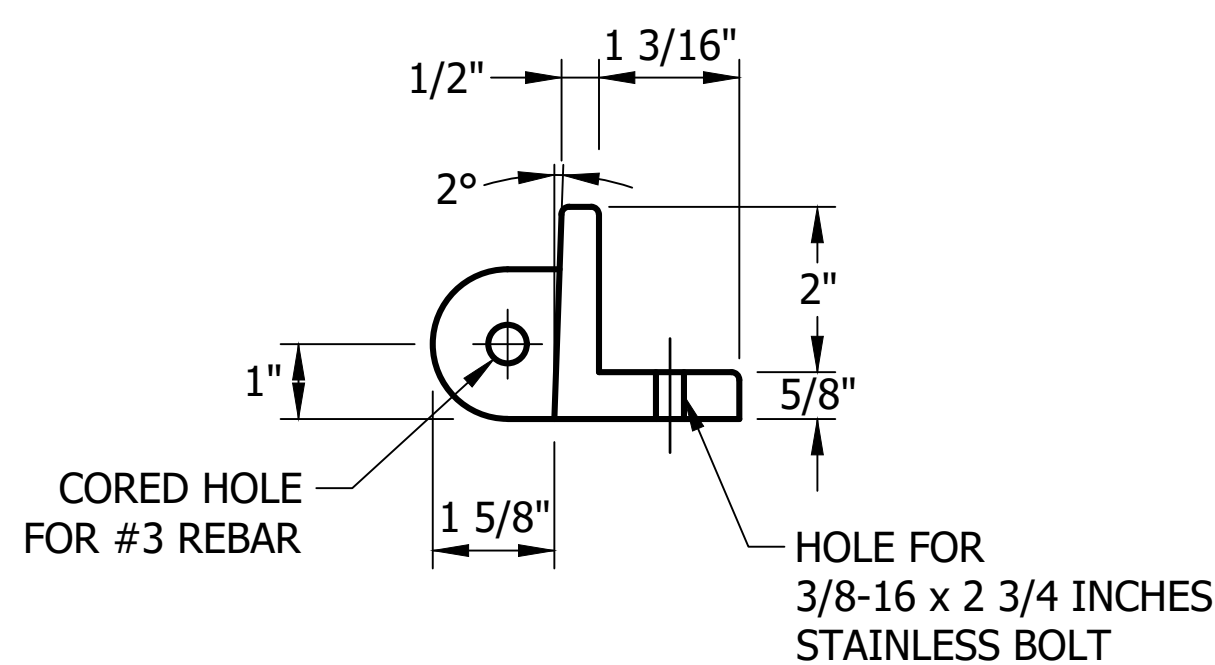
BAR BEND



PROFILE VIEW



PLAN VIEW CONNECTION TO INLET WITH DISCHARGE PIPE

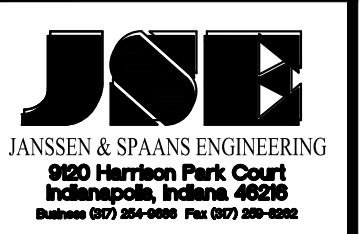
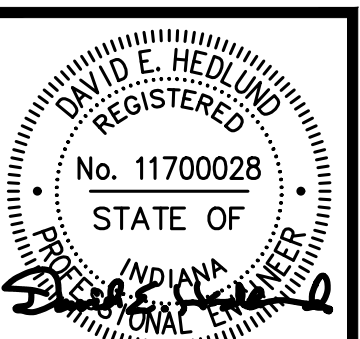


FRAME DETAIL SHOWING LUG

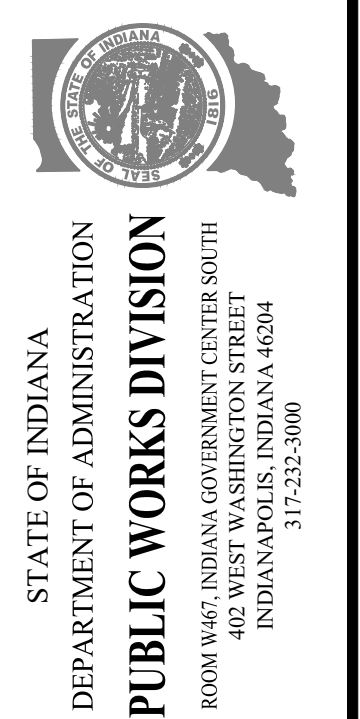
SEE NOTE (E)

TRENCH DRAIN GENERAL NOTES

- (A) TRENCH DRAIN MAY BE USED TO COLLECT ROADWAY RUNOFF IN AREAS WHERE LONG SECTIONS OF FLAT PROFILE GRADE ARE UNAVOIDABLE. THEY MAY BE USED IN MEDIANS OR IN OTHER AREAS WHERE RUNOFF MAY COLLECT.
- (B) THE MAXIMUM ALLOWABLE OUTFLOW RATE THROUGH THE DISCHARGE PIPE SHOULD NOT EXCEED 4.5 CFS. THE DISCHARGE SHALL BE CALCULATED USING THE RATIONAL METHOD AS DESCRIBED IN CHAPTER 203 OF THE INDIANA DESIGN MANUAL.
- (C) WHERE TRENCH DRAIN IS CONNECTED TO A CATCH BASIN AT THE LOW POINT OF THE PROFILE GRADE, THE OUTLET PIPE SHALL CONSIST OF 12-INCH PVC PIPE AT A SLOPE OF AT LEAST 2.0%. IN ORDER TO MAINTAIN MINIMUM COVER, THE TRENCH SHALL BE 36 INCHES DEEP AT THE OUTLET.
- (D) PVC PIPE SHALL MEET THE REQUIREMENTS OF ASTM F949.
- (E) TRENCH DRAIN FRAMES SHALL BE PROVIDED WITH LUGS SPACED AT 12 INCHES ON CENTER. LUG TYPE MAY VARY BY MANUFACTURER. LUGS SHALL BE PROVIDED WITH A HOLE THROUGH WHICH A #3 REBAR MAY BE PLACED PRIOR TO POURING THE TRENCH WALLS.
- (F) GRATES SHALL BE SOLIDLY ATTACHED TO THE TRENCH DRAIN FRAMES BY MEANS OF STAINLESS STEEL BOLTS (3/8"-16 X 2 3/4 INCHES) AND FLAT WASHERS AT EACH CORNER OF THE GRATE.
- (G) THE GENERAL INSTALLATION PROCEDURE FOR CAST-IN-PLACE TRENCH DRAINS SHALL BE AS FOLLOWS:
  1. SET REINFORCING STEEL.
  2. FORM AND POUR TRENCH DRAIN BASE.
  3. SET FORMS FOR TRENCH DRAIN WALLS.
  4. SET TRENCH GRATES AND FRAMES INTO PLACE ON THE FORMS. GRATES MUST BE BOLTED TO THE FRAMES. INSERT SHORT SECTIONS OF #3 REBAR AS NEEDED INTO THE FRAME LUGS.
  5. POUR TRENCH DRAINS WALLS.
- (H) PRECAST TRENCH DRAIN SECTIONS MAY BE USED WITH THE APPROVAL OF THE ENGINEER.



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 CLEAR CREEK WELCOME CENTER  
 VIGO COUNTY, INDIANA



Project Number:	84003001-22-058-C1
Account Number:	
Designer:	RJS
Drawing Date:	02/23/2023
Drafter:	JRC
Drawing Scale:	N/A
DAPW Approval:	
Client Approval:	
Reference Number:	1364
Building Reference:	
Drawing Number:	C309
Sheet:	54 of 155

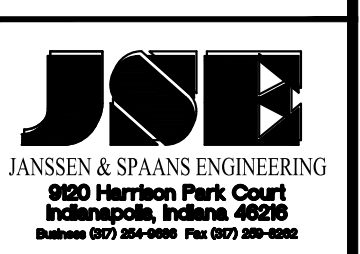
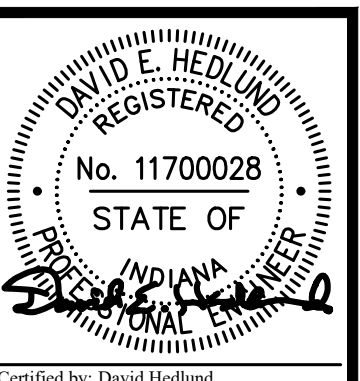
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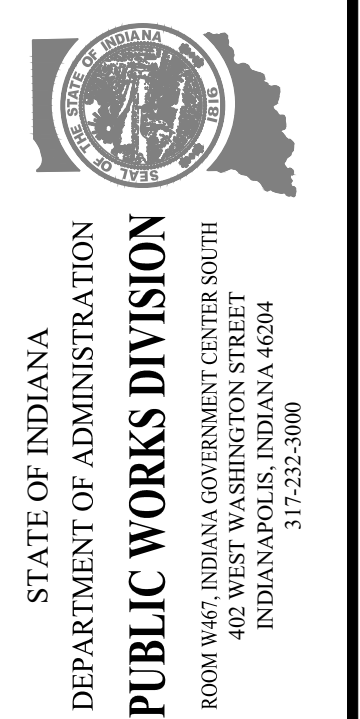


**UNDERDRAIN TABLE**

Underdrains Pipe Limits	UNDERDRAIN PIPE										OUTLET PIPES										OUTLET PROTECTORS				REMARKS						
	Type 4 Pipe		Geotextiles for Underdrains	Aggregate for Underdrains	HMA for Underdrains	Special Grade	Flowline Elevation @ Underdrain Pipe Limit	Outlet Pipe Required	Connect Underdrain Pipe to Structure No. _	Structure Inlet Elevation	45 Degree Elbows Required (1 OR 2)	"Wye" Connections Required	6 inch Outlet Pipe	Outlet Station	Outlet Elevation	Outlet at Outlet Protector No. _	Ditch Flow Line Elevation at Outlet Protector	Connect Outlet Pipe Structure No. _	Structure Invert Elevation	Structure Backfill	Delineator Post	Outlet Protector No. _	Outlet Protector Type	Location							
	4 Inch	6 Inch																						Outside Left		Median Left	Median Right	Outside Right			
LFT	LFT	SYS	CYS	(Tons)	%	(Y/N)	(Y/N)	(CYS)	(EACH)																						
<b>PR-CC3 Car Lot Right</b>																															
3+29																															
3+92	63	49.9	5.8		1.88%	512.57 511.39	N Y					26.0	3+92	510.60							20	1	X						SAG POINT DUAL OUTLET REQ		
3+92						511.39 512.76	Y N					26.0	3+92	510.60							21	1	X						SAG POINT DUAL OUTLET REQ		
4+58	67	52.9	6.2		2.06%																									CREST POINT	
4+58						512.76 508.98	N N																							Cont. on TRUCK	
7+90						508.13 508.87	N N																							Cont. on TRUCK	
8+04	15	11.9	1.4		4.93%																									CREST POINT	
8+04						508.87 506.25	N Y		STR. 76	510.92								502.65												SAG POINT DUAL OUTLET REQ	
9+26	137	108.7	12.7		1.92%							96.3	8+20	504.25																SAG POINT DUAL OUTLET REQ	
9+26						506.25 506.69	Y N		STR. 76	510.92								502.65	10.25											SAG POINT DUAL OUTLET REQ	
9+31	23	18.1	2.1		1.94%																									CREST POINT	
9+31						506.69 504.92	N Y																								
12+99						504.92 505.30	Y N															22	1	X							
12+99												93.9	12+99	503.09																	
12+99	10	7.6	0.9		4.00%																										
13+00						504.92 505.30	Y N															23	1	X							
13+00																															
13+00						505.30 503.37	N N		STR. 78	506.87								502.13													
14+32	169	134.6	15.7		1.14%																										
14+32																															
<b>Total</b>	<b>2194</b>	<b>1747</b>	<b>204</b>									<b>3</b>	<b>517</b>					<b>24</b>			<b>7</b>										
<b>PR-CC3 Car Lot Left</b>																															
3+18						509.76 511.06	Y N																								
5+28	210	167.3	19.5		0.62%							12.9	3+18	509.14								24	1	X						SAG POINT DUAL OUTLET REQ	
5+28						511.06 509.09	N Y																								
5+28																															
7+58	230	182.8	21.4		0.86%							53.0	7+26	507.90								25	1	X						SAG POINT DUAL OUTLET REQ	
8+00						508.80 505.35	N Y																								
11+28	281	223.4	26.1		1.23%																										
11+28						505.35 503.37	N N																								
11+28																															
14+32	394	313.5	36.6		0.50%																										
14+32																															
<b>Total</b>	<b>2194</b>	<b>1747</b>	<b>204</b>									<b>3</b>	<b>517</b>					<b>24</b>			<b>7</b>										



PUBLIC WORKS PROJECT NO. 84003001-22-058-C1  
 CLEAR CREEK WELCOME CENTER  
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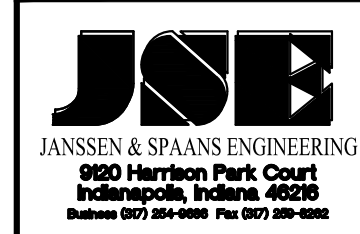
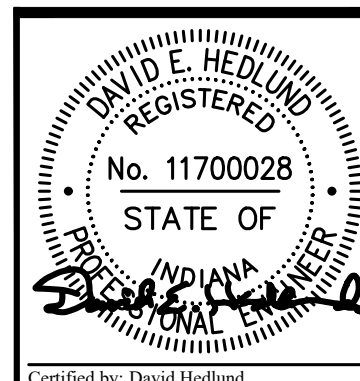
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Project Number:	84003001-22-058-C1
Requisition Number:	
Account Number:	
Designer:	RJS
Drawing Date:	02/23/2023
Drafter:	JRC
Drawing Scale:	N/A
DAPW Approval:	
Client Approval:	
Reference Number:	1364
Building Reference:	
Drawing Number:	C312
Sheet:	57 of 155

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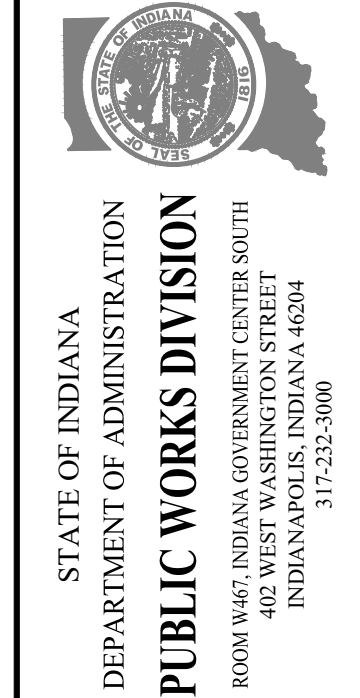


STRUCTURE DATA TABLE

STRUCTURE NUMBER	LOCATION						PIPE TYPE	MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE	LENGTH		COVER		FLOWLINE		SERVICE LIFE	SITE DESIGNATION	PH	BACKFILL METHOD	STRUCTURE BACKFILL TYPE 1	STRUCTURE BACKFILL TYPE 5	REVISIONS	CLASS 1 RIPRAP	CLASS 2 RIPRAP	GEOTEXTILES	VIDEO INSPECTION FOR PIPES		PIPE END SECTION, METAL			GRATED BOX END SECTION			SAFETY METAL END SECTION		RIM ELEVATION	CONNECT TO STR. NO.	REMARKS
	ALIGNMENT	STATION	LEFT	RIGHT	CROSS	OFFSET			LFT	FT	UP STREAM	DOWN STREAM	ELEV.	ELEV.											YR.	LFT	EACH	TYPE	SLOPE	EACH	SLOPE	EACH	TYPE	SLOPE			
STR 10	PR-CC1	19+98			X	0	36	1	36"	Culvert	84	6.7	506.12	505.02	75	NA	6.5	1	132.1						24.1	84	2						517.40				
STR 11	PR-CC1	31+07			X	0	30	1	30"	Culvert	104	2.0	508.75	506.75	75	NA	6.5	1	49.5						17.9	104	2						514.79				
STR 12	PR-CC1	34+00	X			138.23	24	2	Inlet C-15		26	2.5	503.85	503.80	75	NA	6.5	1	14.8														509.83	STR 69			
STR 13	PR-CC1	34+10		X		110.24	12	2	Inlet B-15		125	2.1	505.20	503.97	75	NA	6.5	1	24.6														509.72	STR 16			
STR 14	PR-CC1	34+79	X			138.21	24	2	Inlet C-15		80	1.4	503.99	503.85	75	NA	6.5	1	22.5														508.90	STR 12			
STR 15	PR-CC1	34+85	X			138.26	24	2	Inlet B-15		6	1.3	504.01	503.99	75	NA	6.5	1	8.6														508.83	STR 14			
STR 16	PR-CC1	35+35		X		110.23	15	2	Inlet C-15		125	1.8	503.72	502.31	75	NA	6.5	1	29.3														508.25	STR 18			
STR 17	PR-CC1	35+59	X			138.34	12	2	Inlet B-15		62	2.1	503.47	503.20	75	NA	6.5	1	13.8														507.97	STR 62			
STR 18	PR-CC1	36+60		X		110.24	18	2	Inlet C-15		125	1.8	502.06	500.59	75	NA	6.5	1	34.3														506.78	STR 22			
STR 19	PR-CC1	36+85	X			138.3	24	2	Inlet C-15		72	2.5	500.51	500.36	75	NA	6.5	1	28.8														506.48	STR 62			
STR 20	PR-CC1	37+31	X			138.3	18	2	Inlet C-15		46	1.9	501.13	501.01	75	NA	6.5	1	15.6														505.94	STR 19			
STR 21	PR-CC1	37+38	X			138.27	18	2	Inlet B-15		7	1.7	501.15	501.13	75	NA	6.5	1	6.4														505.85	STR 20			
STR 22	PR-CC1	37+85		X		110.23	24	2	Inlet C-15		125	1.7	500.09	498.61	75	NA	6.5	1	45.1														505.30	STR 23			
STR 23	PR-CC1	39+10		X		110.22	24	2	Inlet C-15		57	1.7	498.61	497.95	75	NA	6.5	1	24.2														503.82	STR 28			
STR 24	PR-CC1	38+94	X			138.28	18	2	Inlet B-15		30	1.0	500.05	499.97	75	NA	6.5	1	11.8						3.2		8.1	30	1				504.01				
STR 27	PR-CC1	40+10	X			138.31	15	2	Inlet B-15		40	1.8	498.13	497.65	75	NA	6.5	1	12.0														502.64	STR 29			
STR 28	PR-CC1	39+67		X		110.24	24	2	Inlet C-15		50	1.7	497.95	497.38	75	NA	6.5	1	22.1														503.15	STR 30			
STR 29	PR-CC1	40+50	X			138.17	15	2	Inlet C-15		47	1.8	497.65	497.49	75	NA	6.5	1	13.4														502.17	STR 34			
STR 30	PR-CC1	40+16		X		110.22	24	2	Inlet C-15		43	1.7	497.38	496.89	75	NA	6.5	1	20.0														502.58	STR 31			
STR 31	PR-CC1	40+60		X		110.22	30	2	Modified Manhole J-15		31	1.7	496.39	496.03	75	NA	6.5	1	21.3														502.09	STR 32			
STR 32	PR-CC1	40+91		X		110.25	30	2	Modified Manhole J-15		14	1.7	496.03	495.87	75	NA	6.5	1	14.7														501.73	STR 33			
STR 33	PR-CC1	41+05		X		110.24	36	2	Modified Manhole K-15		250	1.6	495.37	495.10	75	NA	6.5	1	141.8													250	501.59	STR 34			
STR 34	PR-CC1	43+17	X			101.86	36	2	Modified Manhole J-15		51	2.3	495.10	495.04	75	NA	6.5	1	39.7						12.8		24.1	51	1				501.95	FREE_EXT			
STR 35	PR-CC1	41+20		X		109.7	24	2	Inlet C-15		15	1.7	496.53	496.37	75	NA	6.5	1	11.4														501.74	STR 33			
STR 36	PR-CC1	41+52		X		95.5	24	2	Inlet B-15		40	1.6	497.08	496.53	75	NA	6.5	1	19.0														502.14	STR 35			
STR 37	PR-CC1	43+19		X		5.24	30	2	Modified Manhole J-15		40	1.5	496.08	495.97	75	NA	6.5	1	24.8														501.60	STR 38			
STR 38	PR-CC1	43+59		X		5.24	30	2	Modified Manhole J-15		19	1.4	495.97	495.91	75	NA	6.5	1	16.7														501.45	STR 39			
STR 39	PR-CC1	43+77		X		5.24	30	2	Modified Manhole J-15		20	1.2	495.91	495.87	75	NA	6.5	1	17.1														501.12	STR 40			
STR 40	PR-CC1	43+96		X		5.23	30	2	Modified Manhole J-15		86	1.6	495.87	495.71	75	NA	6.5	1	42.5						8.9		17.9	86	1				501.50				
STR 41	PR-CC1	44+67	X			82.56	12	2	Modified Inlet C-7		114	3.8	494.55	494.00	75	NA	6.5	1	22.7						1.4		4.5	114	1				500.80		Pond Outlet Structure		
STR 42	PR-CC1	45+96		X		65.17	12	2	Inlet B-15		52	1.6	500.70	500.47	75	NA	6.5	1	12.0														504.68	STR 44			
STR 44	PR-CC1	46+26		X		108.09	12	2	Inlet C-15		6	2.1	500.47	500.44	75	NA	6.5	1	4.1														505.01	STR 45			
STR 45	PR-CC1	46+28		X		113.94	12	2	Inlet C-15		94	2.2	500.44	500.00	75	NA	6.5	1	19.3						1.4		4.5	94	1				505.01				
STR 46	PR-CC1	46+66		X		4.49	24	2	Inlet C-15		150	2.2	497.65	497.37	75	NA	6.5	1	54.3						5.7		12.5	150	1				503.36				
STR 47	PR-CC1	46+81		X		5.25	18	2	Inlet C-15		15	2.1	498.19	498.15	75	NA	6.5	1	8.3														503.21	STR 46			
STR 48	PR-CC1	46+95		X		5.24	15	2	Inlet C-15		15	2.1	498.49	498.44	75	NA	6.5	1	6.9														503.28	STR 47			



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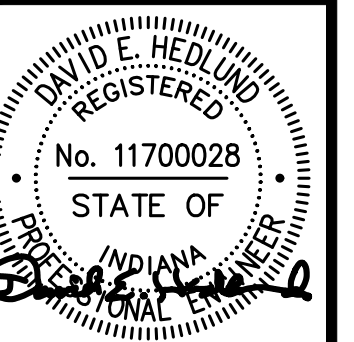


Revisions: \_\_\_\_\_  
Project Number: 84003001-22-058-C1  
Requestion Number: \_\_\_\_\_  
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Designer: RJS Drawing Date: 02/23/2023  
Drafter: JRC Drawing Scale: N/A  
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Reference Number: 1364  
Building Reference: \_\_\_\_\_  
Drawing Number: C313  
Sheet: 58 of 155

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STRUCTURE DATA TABLE

STRUCTURE NUMBER	LOCATION					SIZE	PIPE TYPE	MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE	LENGTH	COVER	FLOWLINE		SERVICE LIFE	SITE DESIGNATION	PH	BACKFILL METHOD	STRUCTURE BACKFILL TYPE 1	STRUCTURE BACKFILL TYPE 5	REVTMENT RIPRAP	CLASS 1 RIPRAP	CLASS 2 RIPRAP	GEOTEXTILES	VIDEO INSPECTION FOR PIPES	PIPE END SECTION, METAL	GRATED BOX END SECTION			SAFETY METAL END SECTION			RIM ELEVATION	CONNECT TO STR. NO.	REMARKS				
	ALIGNMENT	STATION	LEFT	RIGHT	CROSS						OFFSET	UP STREAM													DOWN STREAM	ELEV.	ELEV.	YR.	TYPE					SLOPE			
												FT													IN				CYS	TON				TON	TYPE	SLOPE	EACH
STR 49	PR-CC1	47+23		X		5.29	15	2		Inlet B-15	30	2.2	498.60	498.49	75	NA	6.5	1	10.0														503.48	STR 48			
STR 50	PR-CC1	46+02	X			200.09	12	2		Modified Inlet C-7	268	1.6	499.06	497.85	75	NA	6.5	1	49.2		1.4		4.5	268	1								503.10		Pond Outlet Structure		
STR 51	PR-CC1	47+85		X		5.38	15	2		Inlet B-15	16	2.1	499.26	499.21	75	NA	6.5	1	7.1		2.2		6.2	16	1								504.01				
STR 52	PR-CC1	46+32	X			180	12	2		Inlet B-15	18	1.3	500.58	500.50	75	NA	6.5	1	6.2				18										504.31	STR 54			
STR 53	PR-CC1	48+09		X		46.25	12	2		Modified Inlet C-7	42	2.1	498.50	498.30	75	NA	6.5	1	10.8		1.4		4.5	42	1								503.00		Pond Outlet Structure		
STR 54	PR-CC1	46+32	X			197.25	15	2		Inlet C-15	17	1.0	500.25	500.19	75	NA	6.5	1	7.3				17										503.95	STR 55			
STR 55	PR-CC1	48+04	X			204.81	15	2		Inlet C-15	30	1.2	500.19	500.09	75	NA	6.5	1	10.0				30										504.11	STR 56			
STR 56	PR-CC1	48+28	X			235.01	15	2		Inlet C-15	23	1.6	500.09	500.00	75	NA	6.5	1	8.6		2.2		6.2	23	1									504.40			
STR 57	PR-CC1	48+64	X			243.11	18	2		Inlet C-15	46	1.7	500.16	500.00	75	NA	6.5	1	15.6		3.2		8.1	46	1									504.82			
STR 58	PR-CC1	49+25		X		5.33	24	2		Inlet C-15	19	3.4	499.62	499.58	75	NA	6.5	1	12.6		5.7		12.5	19	1									506.50			
STR 59	PR-CC1	49+56	X			243.29	18	2		Inlet C-15	93	1.5	501.39	500.16	75	NA	6.5	1	26.7				93											505.89	STR 57		
STR 60	PR-CC1	49+62	X			243.26	18	2		Inlet C-15	6	1.5	501.46	501.39	75	NA	6.5	1	6.2				6											505.96	STR 59		
STR 61	PR-CC1	49+90	X			243.26	15	2		Inlet B-15	26	1.8	501.78	501.71	75	NA	6.5	1	9.2				26											506.28	STR 60		
STR 62	PR-CC1	36+16	X			160.98	24	2		Manhole Type J	28	4.0	500.36	500.31	75	NA	6.5	1	15.4				28											507.86	STR 63		
STR 63	PR-CC1	50+80	X			243.21	24	2		Inlet C-15	249	3.5	500.31	499.87	75	NA	6.5	1	83.1				249											507.34	STR 64		
STR 64	PR-CC1	50+65		X		5.42	24	2		Inlet C-15	140	4.5	499.87	499.62	75	NA	6.5	1	62.7				140											507.87	STR 58		
STR 65	PR-CC1	52+10		X		5.47	12	2		Inlet B-15	146	2.2	504.66	502.73	75	NA	6.5	1	28.2				146											509.28	STR 64		
STR 66	PR-CC1	53+73	X			217.49	24	2		Inlet B-15	6	1.4	503.93	503.91	75	NA	6.5	1	8.6				6											508.85	STR 67		
STR 67	PR-CC1	53+79	X			216.48	24	2		Inlet C-15	72	1.5	503.91	503.78	75	NA	6.5	1	28.8				72											508.92	STR 68		
STR 68	PR-CC1	53+50	X			196.24	24	2		Inlet C-15	31	2.5	503.78	503.72	75	NA	6.5	1	16.3				31											509.75	STR 69		
STR 69	PR-CC1	33+84	X			158.28	30	2		Manhole Type J	306	3.3	503.22	502.83	75	NA	6.5	1	127.4				306											510.60	STR 74		
STR 70	PR-CC1	57+21		X		5.25	12	2		Inlet B-15	7	2.1	506.31	506.22	75	NA	6.5	1	4.3				7											510.82	STR 72		
STR 71	PR-CC1	57+23	X			20.28	12	2		Inlet B-15	7	3.6	506.18	506.11	75	NA	6.5	1	4.3				7											512.24	STR 73		
STR 72	PR-CC1	57+28		X		5.33	12	2		Inlet C-15	24	2.1	506.22	506.11	75	NA	6.5	1	7.2				24											510.75	STR 73		
STR 73	PR-CC1	57+29	X			19.6	12	2		Inlet C-15	39	3.7	506.11	505.94	75	NA	6.5	1	9.8				39											512.18	STR 74		
STR 74	PR-CC1	57+48	X			53.28	30	2		Manhole Type J	137	4.8	502.83	502.65	75	NA	6.5	1	88.0				137											511.72	STR 76		
STR 75	PR-CC1	58+67			X	0	24	2		24" Pipe	72	1.8	506.00	505.84	75	NA	6.5	1	28.8				72											511.26	STR 76		
STR 76	PR-CC1	58+58	X			21.38	30	2		Manhole Type J	97	4.2	502.66	502.53	75	NA	6.5	1	51.7		8.9		17.9	97	1										510.92		
STR 77	PR-CC1	66+11	X			41.37	12	2		Modified Inlet C-7	326	3.0	500.85	499.40	75	NA	6.5	1	59.1		1.4		4.5	326	1									506.25		Pond Outlet Structure	
STR 78	PR-CC1	67+26		X		70.18	18	2		Inlet B-15	86	1.5	502.37	502.15	75	NA	6.5	1	25.1		3.2		8.1	86	1									506.87			
STR 79	PR-CC1	66+18			X	20.01	42	1		42" Culvert	110	1.0	502.98	501.74	75	NA	6.5	1	91.0		17.4		31.3	110	2									508.14		6" Sump Req'd	
STR 80	PR-CC1	61+87		X		214.82	12	2		12" PVC Drain Basin	167	2.1	507.00	504.00	75	NA	6.5	1	25.0		1.4		4.5	167	1									511.50		Flat Grate Req'd	
STR 81	PR-CC1	69+63		X		192.19	12	2		12" PVC Drain Basin	37	2.1	506.76	506.33	75	NA	6.5	1	9.5				37										511.26	STR 82	Flat Grate Req'd		
STR 82	PR-CC1	69+54		X		155.61	12	2		12" PVC Drain Basin	116	2.5	506.33	505.00	75	NA	6.5	1	23.0		1.4		4.5	116	1								511.26		Flat Grate Req'd		
STR 83	PR-CC1	37+95		X		18.53	15	3		15" Culvert	29	0.5	502.44	502.24	75	NA	6.5	1	9.8		2.2		6.2	29	2								504.90				



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PUBLIC WORKS PROJECT NO. 84003001-22-058-C1  
CLEAR CREEK WELCOME CENTER  
VIGO COUNTY, INDIANA



STATE OF INDIANA  
DEPARTMENT OF ADMINISTRATION  
PUBLIC WORKS DIVISION  
ROOM 9407, INDIANA GOVERNMENT CENTER SOUTH  
402 WEST WASHINGTON STREET  
INDIANAPOLIS, INDIANA 46204  
317-232-3000

Revisions:	
Project Number:	84003001-22-058-C1
Requestion Number:	
Account Number:	
Designer:	RJS
Drawing Date:	02/23/2023
Drafter:	JRC
Drawing Scale:	N/A
DAPW Approval:	
Client Approval:	
Reference Number:	1364
Building Reference:	
Drawing Number:	C314
Sheet:	59 of 155

STRUCTURE NUMBER		STR.10	STR.11	STR.12	STR.13	STR.14	STR.15	STR.16	STR.17	STR.18	STR.19	STR.20	STR.21	STR.22	STR.23	STR.24	STR.27	STR.28	STR.29	STR.30	STR.31	STR.32	STR.33
PIPE TYPE / SHAPE (CIR or DEF)		1/CIR	1/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR
INT. DES.	SMOOTH PIPE SIZE	36	30	24	12	24	15	15	12	18	24	18	24	24	18	15	24	15	24	30	30	36	
	CORRUGATED PIPE SIZE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	SEMI-SMOOTH PIPE SIZE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CLASS	II	II	II	II	II	II	II	II	II	II	II	II	II	II	II	II	II	II	II	II	II	II
CONC.	RCP/RCHP (S)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
	NON-REINFORCED CONCRETE PIPE, CLASS 3 (S)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
PLASTIC PIPE	CORRUGATED PE PIPE, TYPE S (S)*	X	X	X	X				X		X												
	PROFILE WALL (RIBBED) PE PIPE (S)*	X	X	X	X				X		X												
	PROFILE WALL (CLOSED) PE PIPE (S)*	X	X	X	X				X		X												
	SMOOTH WALL PE PIPE (S)* / MAXIMUM DR	X	X	X	X				X		X												
	CORRUGATED PP PIPE (S)	X	X	X	X				X		X												
	PROFILE WALL PVC PIPE (S)	X	X	X	X				X		X												
	SMOOTH WALL PVC PIPE (S)*	X	X	X	X				X		X												
	AWWA C900 SDR-25	X	X	X	X				X		X												
	CLAY	VITRIFIED CLAY PIPE, EXTRA STRENGTH (S)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CORRUGATED STEEL PIPE / PIPE-ARCH	FULLY BIT. PAVED & LINED (S)	CORR. PROFILE THICKNESS																					
	ZINC COATED (C)	CORR. PROFILE THICKNESS																					
	ZINC COATED W/ BPI (C)	CORR. PROFILE THICKNESS																					
	ALUM. COATED TYPE 2 (C)	CORR. PROFILE THICKNESS																					
	POLYMER PRECOATED GALVANIZED (C)	CORR. PROFILE THICKNESS																					
	POLYMER PRECOATED GALVANIZED CORRUGATED STEEL PIPE TYPE 1A (S)	CORR. PROFILE THICKNESS																					
COR. ALUM. PIPE / PIPE-ARCH	CORRUGATED ALUM. ALLOY (C)	CORR. PROFILE THICKNESS																					
	CORRUGATED ALUM. ALLOY W/ BPI (C)	CORR. PROFILE THICKNESS																					
SPIRAL RIB STEEL PIPE	ZINC COATED (SS)	RIB PROFILE THICKNESS																					
	ZINC COATED W/ BPI (SS)	RIB PROFILE THICKNESS																					
	ALUM. COATED TYPE 2 (SS)	RIB PROFILE THICKNESS																					
	POLYMER PRECOATED GALVANIZED (SS)	RIB PROFILE THICKNESS																					
STRUCTURAL PLATE PIPE / PIPE-ARCH	STR. PLATE ALUMINUM ALLOY (C)	CORR. PROFILE THICKNESS																					
	STR. PLATE ALUMINUM ALLOY W/ CFP (C)	CORR. PROFILE THICKNESS																					
	STR. PLATE STEEL (C)	CORR. PROFILE THICKNESS **																					
	STR. PLATE STEEL W/ CFP (C)	CORR. PROFILE THICKNESS **																					

STRUCTURE NUMBER		STR.34	STR.35	STR.36	STR.37	STR.38	STR.39	STR.40	STR.41	STR.42	STR.44	STR.45	STR.46	STR.47	STR.48	STR.49
PIPE TYPE / SHAPE (CIR or DEF)		2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	1/CIR	1/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR
INT. DES.	SMOOTH PIPE SIZE	36	24	24	30	30	30	30	12	12	12	12	24	18	15	15
	CORRUGATED PIPE SIZE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	SEMI-SMOOTH PIPE SIZE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	CLASS	II	II	II	II	II	II	II	II	II	II	II	II	II	II	II
CONC.	RCP/RCHP (S)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	NON-REINFORCED CONCRETE PIPE, CLASS 3 (S)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
PLASTIC PIPE	CORRUGATED PE PIPE, TYPE S (S)*	X	X	X					X		X					
	PROFILE WALL (RIBBED) PE PIPE (S)*	X	X	X					X		X					
	PROFILE WALL (CLOSED) PE PIPE (S)*	X	X	X					X		X					
	SMOOTH WALL PE PIPE (S)* / MAXIMUM DR	X	X	X					X	X	X	X	X	X	X	X
	CORRUGATED PP PIPE (S)	X	X	X					X	X	X	X	X	X	X	X
	PROFILE WALL PVC PIPE (S)	X	X	X					X	X	X	X	X	X	X	X
	SMOOTH WALL PVC PIPE (S)*	X	X	X					X	X	X	X	X	X	X	X
	CLAY	VITRIFIED CLAY PIPE, EXTRA STRENGTH (S)	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	CORRUGATED STEEL PIPE / PIPE-ARCH	FULLY BIT. PAVED & LINED (S)	CORR. PROFILE THICKNESS													
ZINC COATED (C)		CORR. PROFILE THICKNESS														
ZINC COATED W/ BPI (C)		CORR. PROFILE THICKNESS														
ALUM. COATED TYPE 2 (C)		CORR. PROFILE THICKNESS														
POLYMER PRECOATED GALVANIZED (C)		CORR. PROFILE THICKNESS														
POLYMER PRECOATED GALVANIZED CORRUGATED STEEL PIPE TYPE 1A (S)		CORR. PROFILE THICKNESS														
COR. ALUM. PIPE / PIPE-ARCH	CORRUGATED ALUM. ALLOY (C)	CORR. PROFILE THICKNESS														
	CORRUGATED ALUM. ALLOY W/ BPI (C)	CORR. PROFILE THICKNESS														
SPIRAL RIB STEEL PIPE	ZINC COATED (SS)	RIB PROFILE THICKNESS														
	ZINC COATED W/ BPI (SS)	RIB PROFILE THICKNESS														
	ALUM. COATED TYPE 2 (SS)	RIB PROFILE THICKNESS														
	POLYMER PRECOATED GALVANIZED (SS)	RIB PROFILE THICKNESS														
STRUCTURAL PLATE PIPE / PIPE-ARCH	STR. PLATE ALUMINUM ALLOY (C)	CORR. PROFILE THICKNESS														
	STR. PLATE ALUMINUM ALLOY W/ CFP (C)	CORR. PROFILE THICKNESS														
	STR. PLATE STEEL (C)	CORR. PROFILE THICKNESS **														
	STR. PLATE STEEL W/ CFP (C)	CORR. PROFILE THICKNESS **														

**LEGEND**

**PIPE MATERIAL**

- RCP Reinforced Concrete Pipe
- RCHP Reinforced Concrete Horizontal Elliptical Pipe
- PE Polyethylene
- DR Dimension Ratio
- PVC Polyvinyl Chloride
- PP Polypropylene
- CORR Corrugation
- ALUM Aluminum
- STR Structural
- (LS) Lock Seam Pipe Required

**PIPE PROTECTION**

- BPI Bituminous Paved Invert
- CFP Concrete Field Paving
- BIT Bituminous

**SHAPE**

- CIR Circular Pipe
- DEF Deformed Pipe

**INTERIOR DESIGNATION**

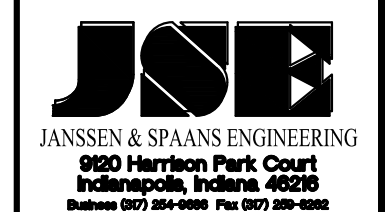
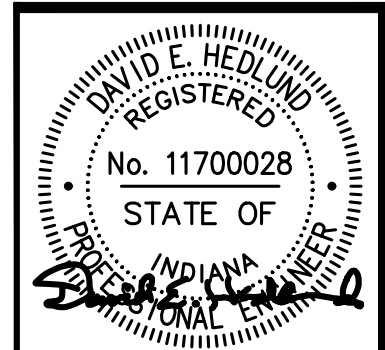
- (S) Smooth Pipe Material
- (C) Corrugated Pipe Material
- (SS) Semi-Smooth Pipe Material

**PIPE SIZE**

- Circular pipe is shown as diameter in inches
- Deformed pipe is shown as area in square feet

\* Refer to Standard Drawings 715-PHCL-20 through -22 for nominal diameter appropriate for pay item diameter.

\*\* Tabulated thickness refers to top and side plates. For pipes and pipe-arches with a thickness less than .280 in., bottom plates shall be of next greater available thickness.



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CLEAR CREEK WELCOME CENTER  
VIGO COUNTY, INDIANA



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DEPARTMENT OF ADMINISTRATION  
**PUBLIC WORKS DIVISION**  
ROOM 9497, INDIANA GOVERNMENT CENTER SOUTH  
402 WEST WASHINGTON STREET  
INDIANAPOLIS, INDIANA 46204  
317-232-3000

Revisions:

Project Number: 84003001-22-058-C1  
Requestion Number:

Account Number:

Designer: RJS Drawing Date: 02/23/2023

Drafter: JRC Drawing Scale: N/A

DAPW Approval:

Client Approval:

Reference Number: 1364

Building Reference:

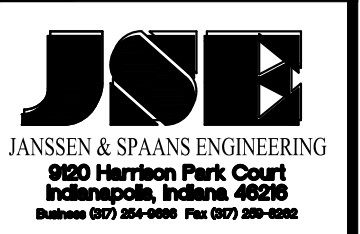
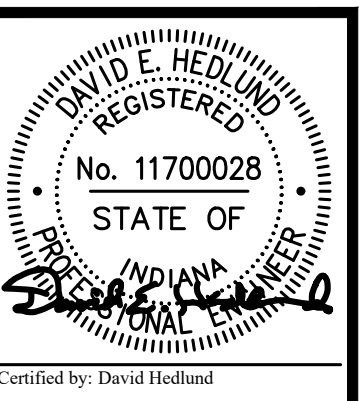
Drawing Number:

**C315**

Sheet: 60 of 155

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INT. DES.	STRUCTURE NUMBER																						
	PIPE TYPE / SHAPE (CIR or DEF)	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR	2/CIR
	SMOOTH PIPE SIZE	12	15	12	12	15	15	15	18	24	18	18	15	24	24	24	12	24	24	24	30	12	12
	CORRUGATED PIPE SIZE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	SEMI-SMOOTH PIPE SIZE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CONC.	RCP/RCHP (S) CLASS	II	II	II	II	II	II	II	II	II	II	II	II	II	II	II	II	II	II	II	II	II	II
	D <sub>0.01</sub> RATING	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
PLASTIC PIPE	NON-REINFORCED CONCRETE PIPE, CLASS 3 (S)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	CORRUGATED PE PIPE, TYPE S (S)*																						
	PROFILE WALL (RIBBED) PE PIPE (S)*																						
	PROFILE WALL (CLOSED) PE PIPE (S)*																						
	SMOOTH WALL PE PIPE (S)* / MAXIMUM DR		X	X	X		X	X														X	X
	CORRUGATED PP PIPE (S)		X	X	X		X	X										X				X	X
	PROFILE WALL PVC PIPE (S)		X	X	X		X	X										X				X	X
	SMOOTH WALL PVC PIPE (S)*		X	X	X		X	X										X				X	X
	VITRIFIED CLAY PIPE, EXTRA STRENGTH (S)	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	CORRUGATED STEEL PIPE / PIPE-ARCH	FULLY BIT. PAVED & LINED (S)																					
CORR.PROFILE THICKNESS																							
ZINC COATED (C)																							
CORR. PROFILE THICKNESS																							
ZINC COATED W/ BPI (C)																							
CORR. PROFILE THICKNESS																							
ALUM. COATED TYPE 2 (C)																							
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POLYMER PRECOATED GALVANIZED (C)																							
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COR. ALUM. PIPE/ P-ARCH	POLYMER PRECOATED GALVANIZED																						
	CORR. PROFILE THICKNESS																						
COR. ALUM. PIPE/ P-ARCH	CORRUGATED ALUM. ALLOY (C)																						
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	RIB PROFILE THICKNESS																						
SPIRAL RIB STEEL PIPE	ALUM. COATED TYPE 2 (SS)																						
	RIB PROFILE THICKNESS																						
SPIRAL RIB STEEL PIPE	POLYMER PRECOATED GALVANIZED (SS)																						
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	CORR. PROFILE THICKNESS **																						



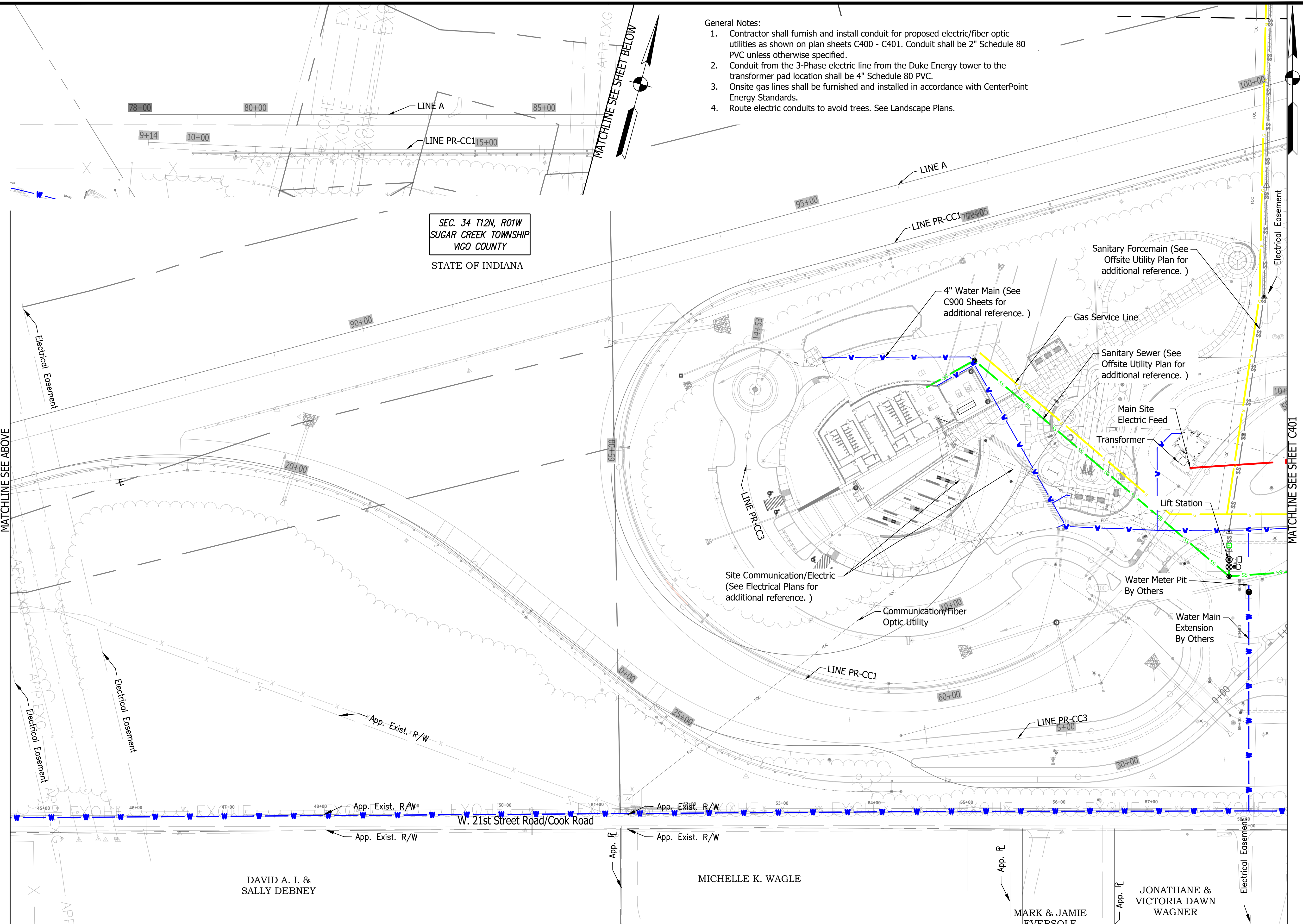
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 CLEAR CREEK WELCOME CENTER  
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 Drafter: JRC Drawing Scale: N/A  
 DAPW Approval: \_\_\_\_\_  
 Client Approval: \_\_\_\_\_  
 Reference Number: 1364  
 Building Reference: \_\_\_\_\_  
 Drawing Number: C316  
 Sheet: 61 of 155

Last Saved By: Jhr Printed: 2/24/23  
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- General Notes:**
- Contractor shall furnish and install conduit for proposed electric/fiber optic utilities as shown on plan sheets C400 - C401. Conduit shall be 2" Schedule 80 PVC unless otherwise specified.
  - Conduit from the 3-Phase electric line from the Duke Energy tower to the transformer pad location shall be 4" Schedule 80 PVC.
  - Onsite gas lines shall be furnished and installed in accordance with CenterPoint Energy Standards.
  - Route electric conduits to avoid trees. See Landscape Plans.

SEC. 34 T12N, R01W  
 SUGAR CREEK TOWNSHIP  
 VIGO COUNTY  
 STATE OF INDIANA

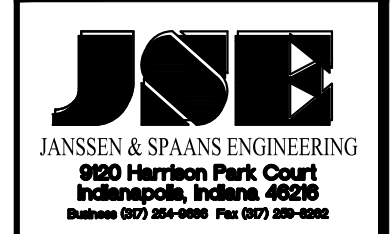
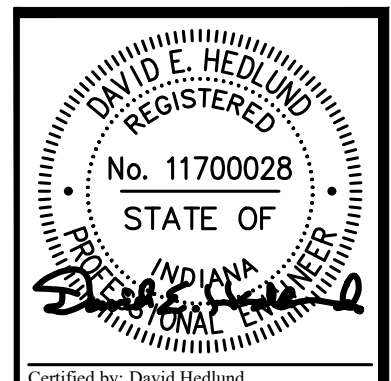
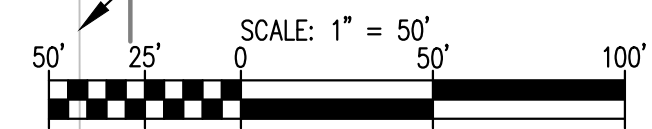
# WELCOME CENTER UTILITIES PLAN (FOR REFERENCE ONLY)

DAVID A. I. & SALLY DEBNEY

MICHELLE K. WAGLE

MARK & JAMIE EVERSOLE

JONATHANE &  
 VICTORIA DAWN  
 WAGNER

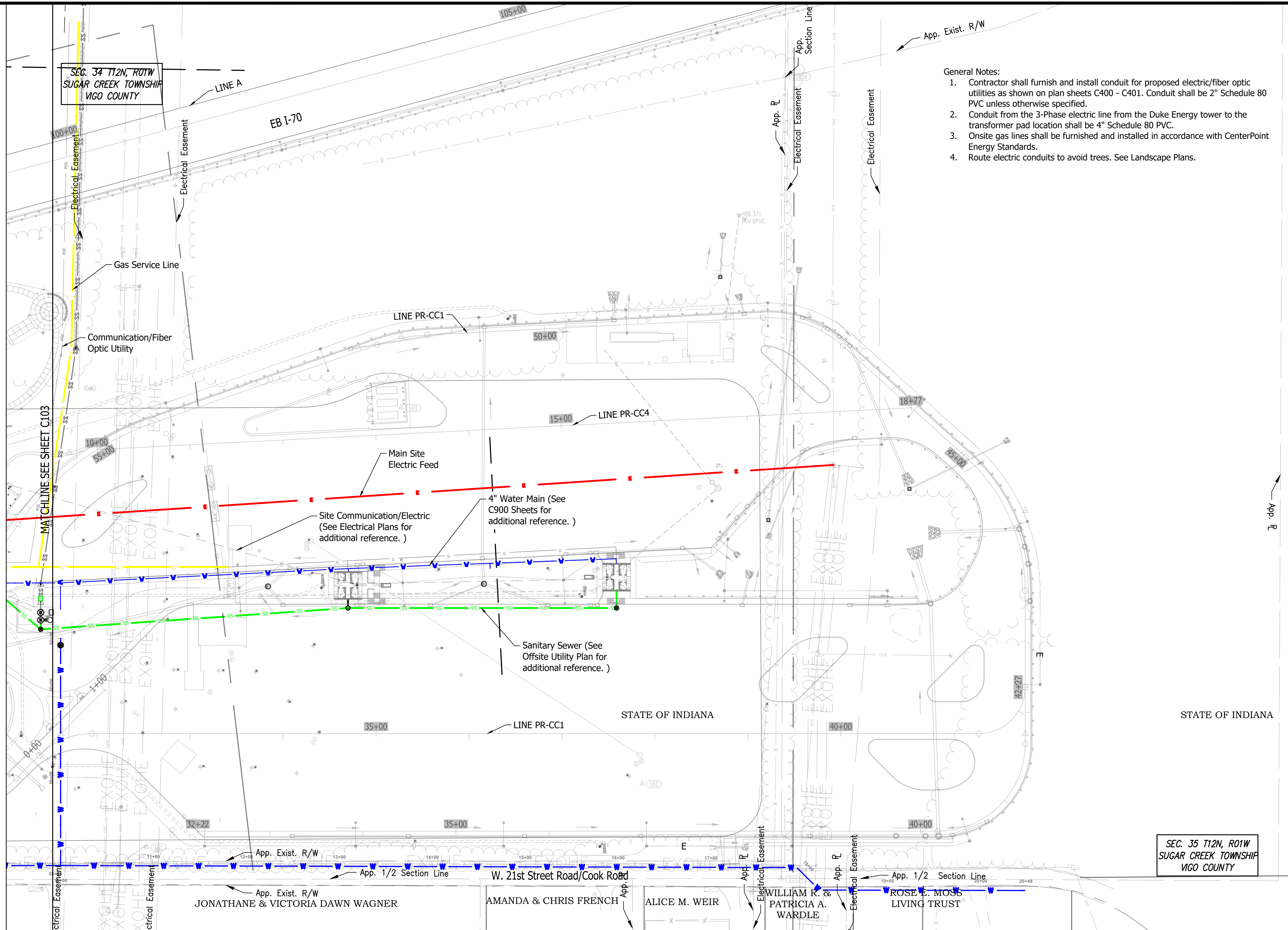


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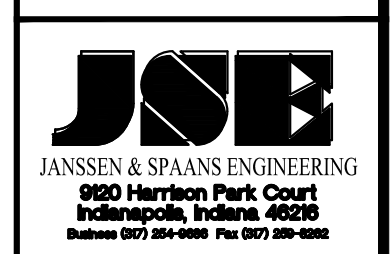
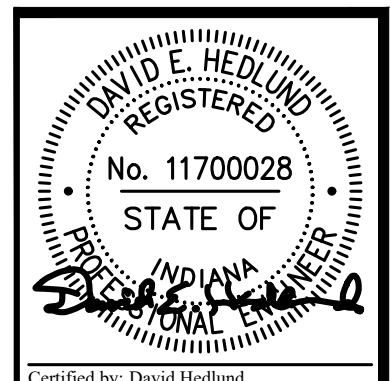
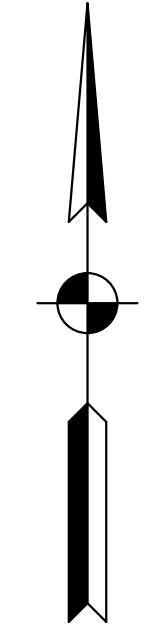
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Client Approval:	
Reference Number:	1364
Building Reference:	
Drawing Number:	C400
Sheet:	62 of 155

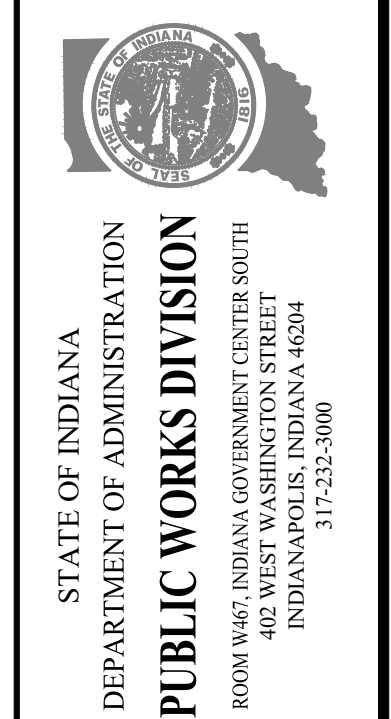
Last Saved By: Jrc - Printed: 2/24/23  
 P:\1364 - Clear Creek Welcome Center\1364-EB-000 UTILITY PLAN.dwg Feb. 24, 2023 - 8:58:08 am



- General Notes:
1. Contractor shall furnish and install conduit for proposed electric/fiber optic utilities as shown on plan sheets C400 - C401. Conduit shall be 2" Schedule 80 PVC unless otherwise specified.
  2. Conduit from the 3-Phase electric line from the Duke Energy tower to the transformer pad location shall be 4" Schedule 80 PVC.
  3. Onsite gas lines shall be furnished and installed in accordance with CenterPoint Energy Standards.
  4. Route electric conduits to avoid trees. See Landscape Plans.

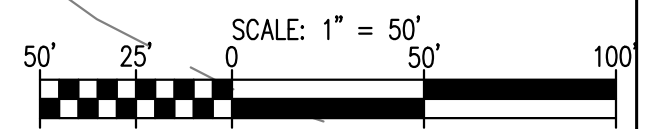


PUBLIC WORKS PROJECT NO. 84003001-22-058-C1  
 CLEAR CREEK WELCOME CENTER  
 VIGO COUNTY, INDIANA

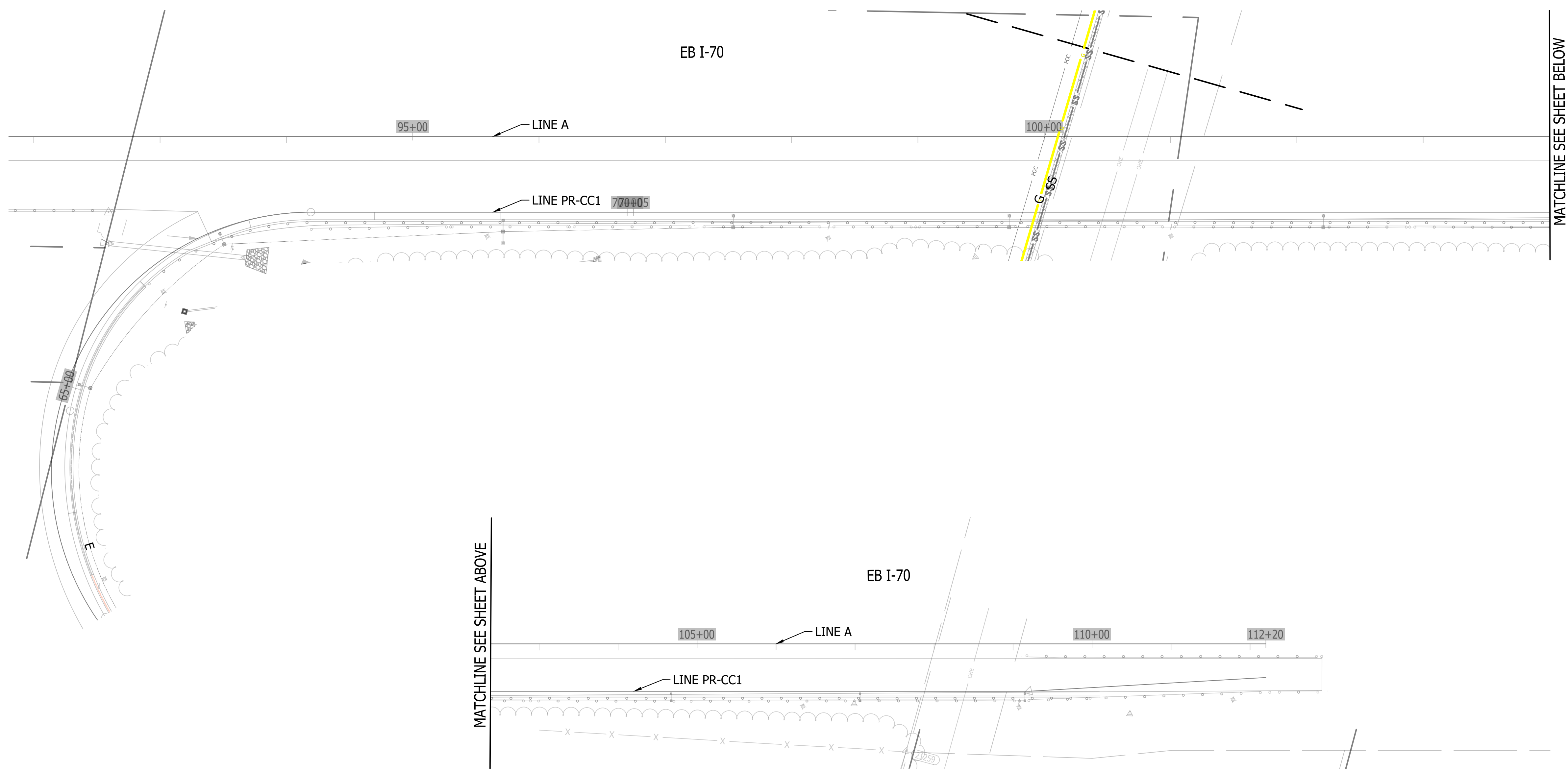


Revisions:	
Project Number:	84003001-22-058-C1
Requestion Number:	
Account Number:	
Designer:	RJS
Drawing Date:	02/23/2023
Drafter:	JRC
Drawing Scale:	1"=50'
DAPW Approval:	
Client Approval:	
Reference Number:	1364
Building Reference:	
Drawing Number:	C401
Sheet:	63 of 155

# WELCOME CENTER UTILITIES PLAN (FOR REFERENCE ONLY)



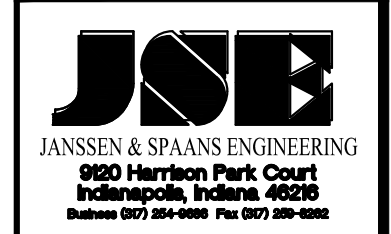
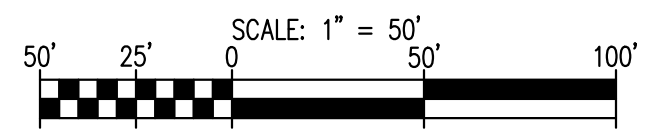
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 P:\1364 - Clear Creek Welcome Center\WORKS\SITE SHEETS\EB WELCOME CENTER\1364-EB-C00 UTILITY PLAN.dwg Feb 24, 2023 - 10:00:26 am



**I-70 Shoulder Reduction & Guardrail Replacement**

- General Notes:**
- Contractor shall furnish and install conduit for proposed electric/fiber optic utilities as shown on plan sheets C400 - C401. Conduit shall be 2" Schedule 80 PVC unless otherwise specified.
  - Conduit from the 3-Phase electric line from the Duke Energy tower to the transformer pad location shall be 4" Schedule 80 PVC.
  - Onsite gas lines shall be furnished and installed in accordance with CenterPoint Energy Standards.
  - Route electric conduits to avoid trees. See Landscape Plans.

**WELCOME CENTER UTILITIES PLAN (FOR REFERENCE ONLY)**



PUBLIC WORKS PROJECT NO. 84003001-22-058-C1  
 CLEAR CREEK WELCOME CENTER  
 VIGO COUNTY, INDIANA



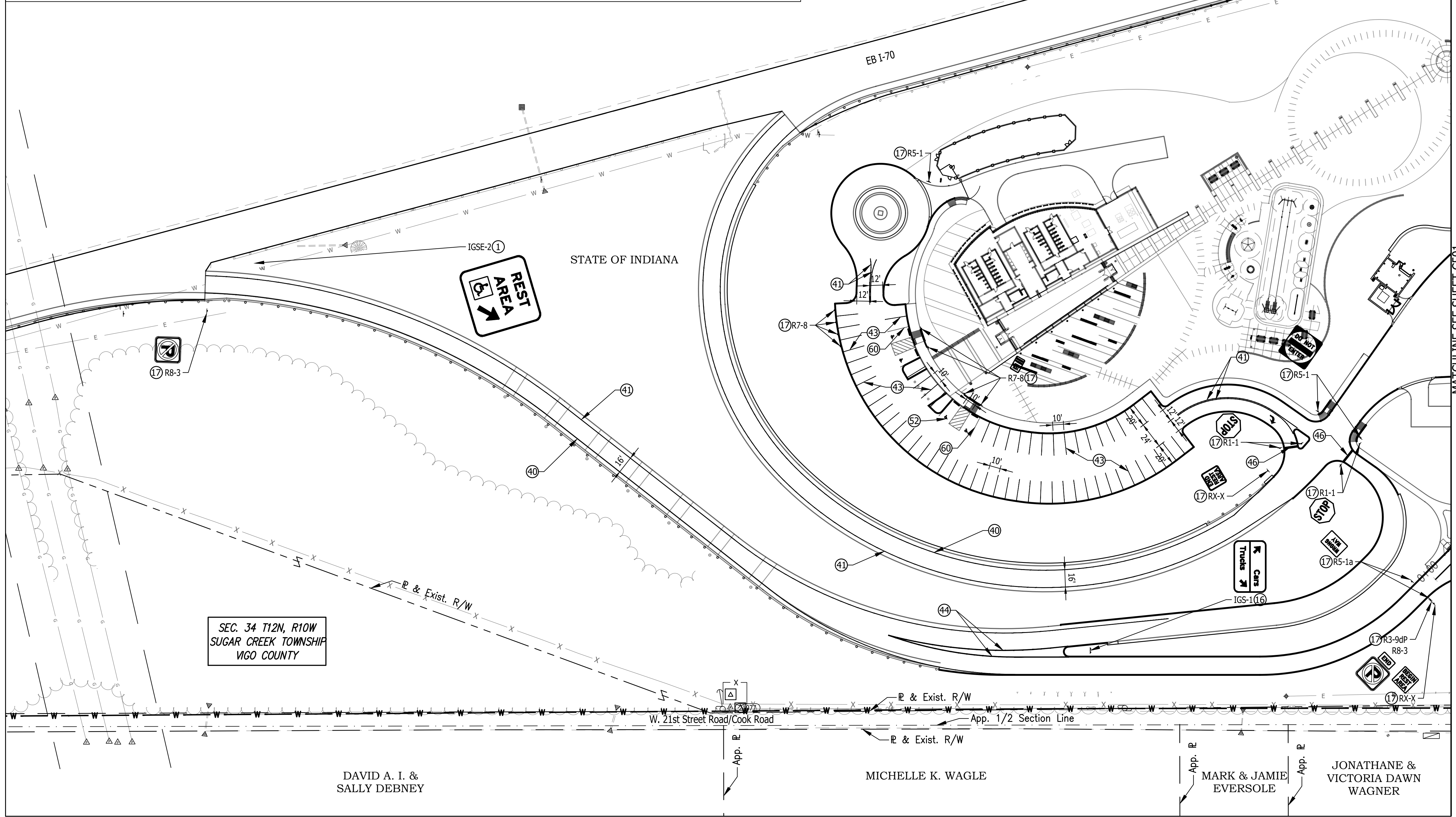
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Requisition Number:	-
Account Number:	-
Designer:	RJS
Drawing Date:	02/23/2023
Drafter:	JRC
Drawing Scale:	1"=50'
DAPW Approval:	
Client Approval:	
Reference Number:	1364
Building Reference:	
Drawing Number:	C402
Sheet:	64 of 155

Last Saved By: mreed Printed: 2/21/23  
 P:\1364 - Clear Creek Welcome Center\DWGS\SITE SHEETS\EB WELCOME CENTER\1364-EB-C500 SDR-HW PLN.dwg Feb 24, 2023 - 10:01:10 am

<b>REST AREA</b> <b>WELCOME CENTER</b> <b>1 3/4 MILES</b> <b>NEXT REST AREA</b> <b>64 MILES</b> IGSOE-1 ① I-70 MM 0.0	<b>REST AREA</b> <b>WELCOME CENTER</b> <b>1/2 MILE</b>  <b>VENDING MACHINES</b> IGSOE-2 ① I-70 MM 1.0	<b>MOTORISTS SERVICE</b> <b>INFORMATION</b> <b>NEXT RIGHT</b> IGSE-1 ① I-70 MM 1.3	<b>REST AREA</b> <b>WELCOME CENTER</b>  IGSOE-3 ① I-70 MM 1.5
---	---	--	---

**LEGEND**

† Proposed Sign ① No change required to existing signs and supports ⑬ New panel sign on new ground mounted supports ⑰ New sheet sign on new supports ④① Line, Multi-Component, Solid, White, 6 in. ④② Line, Multi-Component, Solid, Yellow, 6 in. ④③ Line, Multi-Component, Solid, White, 4 in. ④④ Line, Multi-Component, Solid, White, 10 in. ④⑤ Transverse, Multi-Component, Yield Line, 36 in. ④⑥ Transverse, Multi-Component, Stop Line, 24 in. ⑤① Pavement Message Marking, Multi-Component, Turn Arrow ⑤② Pavement Message Marking, Multi-Component, Accessibility ⑥① Line, Multi-Component, Solid, Blue, 4 in.	④③ Line, Multi-Component, Solid, White, 4 in. ④④ Line, Multi-Component, Solid, White, 10 in. ④⑤ Transverse, Multi-Component, Yield Line, 36 in. ④⑥ Transverse, Multi-Component, Stop Line, 24 in. ⑤① Pavement Message Marking, Multi-Component, Turn Arrow ⑤② Pavement Message Marking, Multi-Component, Accessibility ⑥① Line, Multi-Component, Solid, Blue, 4 in.
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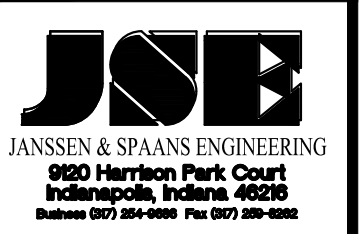
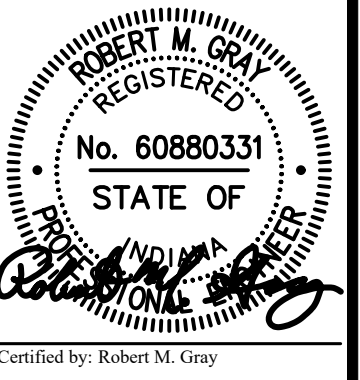
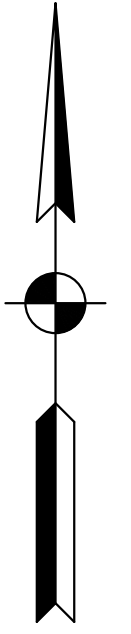
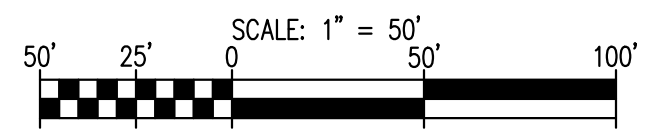
SEC. 34 T12N, R10W  
 SUGAR CREEK TOWNSHIP  
 VIGO COUNTY

DAVID A. I. & SALLY DEBNEY

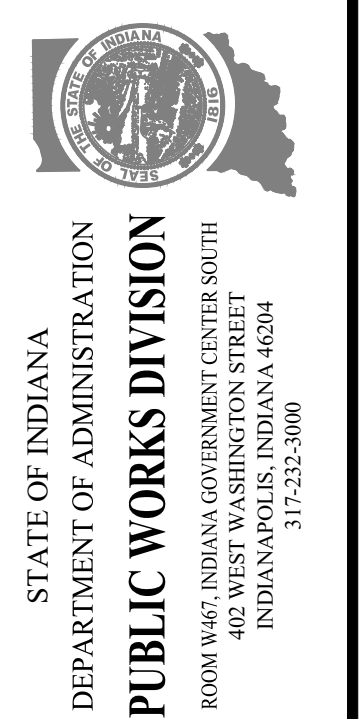
MICHELLE K. WAGLE

MARK & JAMIE EVERSOLE

JONATHANE & VICTORIA DAWN WAGNER



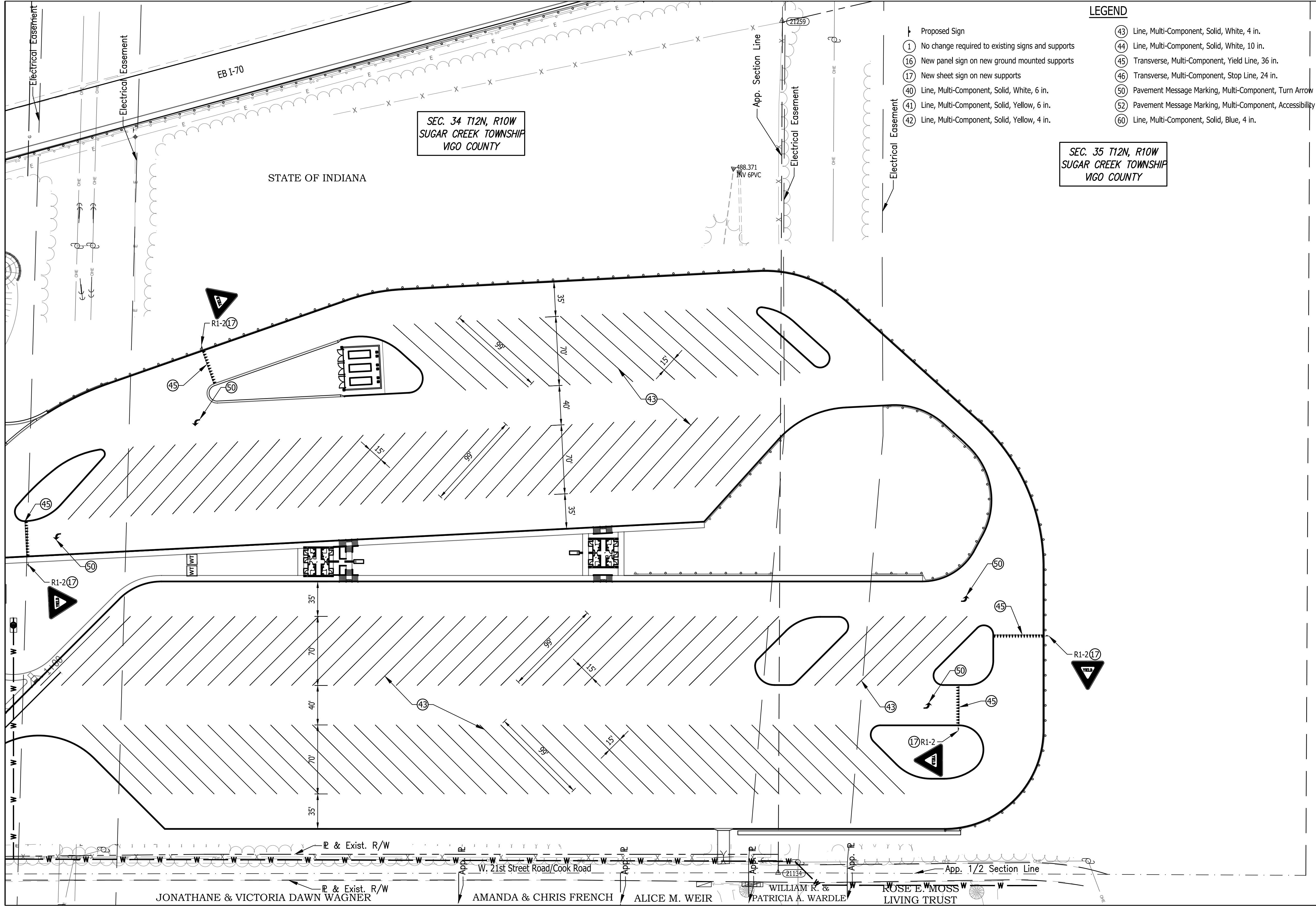
PUBLIC WORKS PROJECT NO. 84003001-22-058-C1  
 CLEAR CREEK WELCOME CENTER  
 VIGO COUNTY, INDIANA



Revisions:	
Project Number:	84003001-22-058-C1
Requestion Number:	
Account Number:	
Designer:	TAF
Drawing Date:	02/23/2023
Drafter:	PKA
Drawing Scale:	1"=50'
DAPW Approval:	
Client Approval:	
Reference Number:	1364
Building Reference:	
Drawing Number:	C500
Sheet:	65 of 155

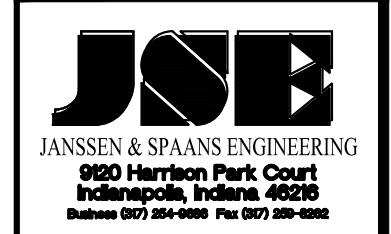
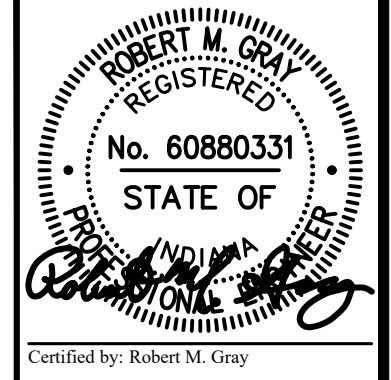
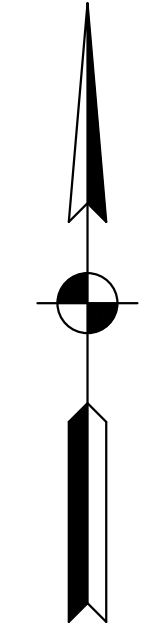


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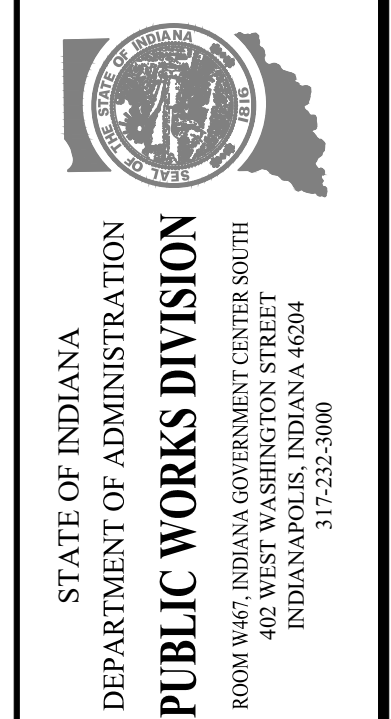


**LEGEND**

Proposed Sign	43 Line, Multi-Component, Solid, White, 4 in.
1 No change required to existing signs and supports	44 Line, Multi-Component, Solid, White, 10 in.
16 New panel sign on new ground mounted supports	45 Transverse, Multi-Component, Yield Line, 36 in.
17 New sheet sign on new supports	46 Transverse, Multi-Component, Stop Line, 24 in.
40 Line, Multi-Component, Solid, White, 6 in.	50 Pavement Message Marking, Multi-Component, Turn Arrow
41 Line, Multi-Component, Solid, Yellow, 6 in.	52 Pavement Message Marking, Multi-Component, Accessibility
42 Line, Multi-Component, Solid, Yellow, 4 in.	60 Line, Multi-Component, Solid, Blue, 4 in.

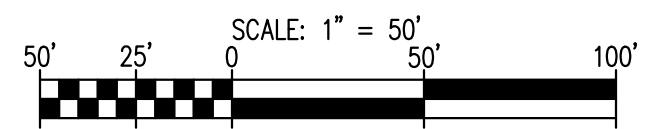


PUBLIC WORKS PROJECT NO. 84003001-22-058-C1  
 CLEAR CREEK WELCOME CENTER  
 VIGO COUNTY, INDIANA



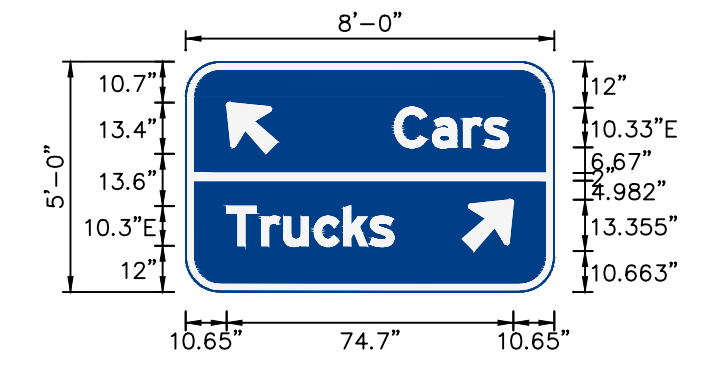
Revisions:  
 Project Number: 84003001-22-058-C1  
 Account Number:  
 Designer: TAF Drawing Date: 02/23/2023  
 Drafter: PKA Drawing Scale: 1"=50'  
 DAPW Approval:  
 Client Approval:

Reference Number: 1364  
 Building Reference:  
 Drawing Number: C501  
 Sheet: 66 of 155



Plot Saved By: mreed Printed: 2/23/23  
 P:\1104 - Clear Creek Welcome Center\WORKS\SITE SHEETS\WB WELCOME CENTER\1364-EB-C502 SCH-PK PLUMBING Feb 24, 2023 - 10:01:29 am

**SIGN DETAIL**  
1:50



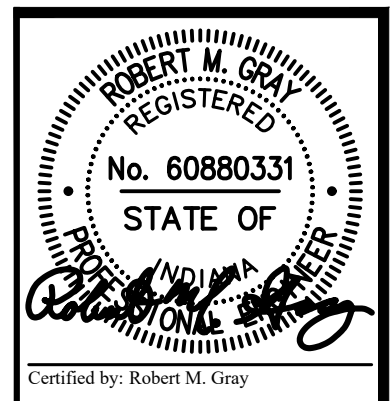
SIGN NUMBER	IGS-1
WIDTH x HGT.	8'-0" x 5'-0"
BORDER WIDTH	2"
CORNER RADIUS	9"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective COLOR: Blue
LEGEND/BORDER	TYPE: Reflective COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
AR_Type B	45	10.7	36	14.4	16.4
AR_Type B	315	72	10.7	14.4	16.4

Panel Style: guide\_fw\_rest-scenic esi  
 Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)										LENGTH	SERIES/SIZE
C	a	r	s								E 2000
54.4	64.3	72.3	77.7							29.6	10.3/7.7
T	r	u	c	k	s						E 2000
10.7	19.8	25.5	33.5	41.1	48					43.6	10.3/7.7



Certified by: Robert M. Gray  
**JOB**  
 JANSEN & SPAANS ENGINEERING  
 800 Harrison Park Court  
 Indianapolis, Indiana 46202  
 Phone (317) 554-6888 Fax (317) 554-6888

synthesis  
**RATIO**  
 LANDSCAPE ARCHITECTURE  
 101 S Pennsylvania St.  
 Indianapolis, IN 46204  
 T: 317.238.4688  
 www.ratiodesign.com

**Applied**  
 Engineering Services

PUBLIC WORKS PROJECT NO. 8-4003001-22-058-C1  
 CLEAR CREEK WELCOME CENTER  
 VIGO COUNTY, INDIANA

STATE OF INDIANA  
 DEPARTMENT OF ADMINISTRATION  
**PUBLIC WORKS DIVISION**  
 ROOM W407, INDIANA GOVERNMENT CENTER SOUTH  
 402 WEST WASHINGTON STREET  
 INDIANAPOLIS, INDIANA 46204  
 317-232-3000

Revisions:

Project Number: **84003001-22-058-C1**  
 Requisition Number:  
 Account Number:

Designer: **TAF** Drawing Date: **02/23/2023**  
 Drafter: **PKA** Drawing Scale: **N/A**  
 DAPW Approval:

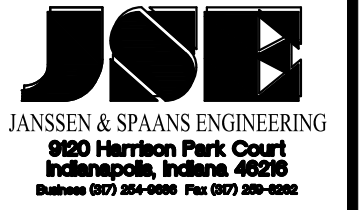
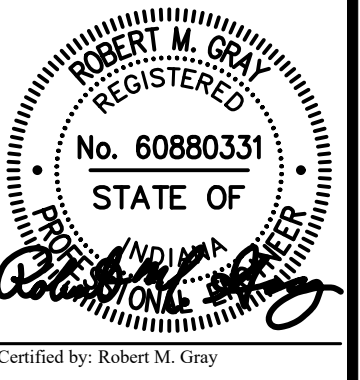
Client Approval:

Reference Number: **1364**  
 Building Reference:  
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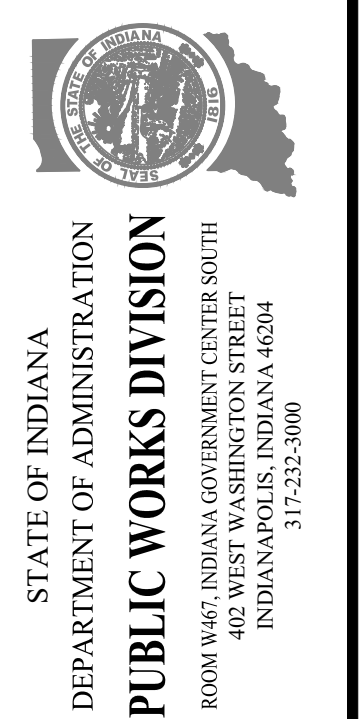
**C502**  
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 P:\1364 - Clear Creek Welcome Center\WORKS\SITE SHEETS\WB WELCOME CENTER\1364-EB-C500 SIGN-PLAN PLAN.dwg Feb 24, 2023 - 10:01:30 am

SHEET SIGN & POST SUMMARY																		
PLAN SHEET NO.	SIGN				POST													
	LOCATION		SIGN CODE	SIGN SIZE (W x H) (in. x in.)	GROUND - MOUNTED SIGN AREA (ft <sup>2</sup> )			MOUNTED ON PANEL SIGN, AREA (ft <sup>2</sup> )	SQUARE									
	STATION	LINE " "			0.080"	0.100"	0.125"		0.080"	2 1/2" X 2 1/2" - 12 GA. (TYPE 3)			2" X 2" - 12 GA. (TYPE 2)			2 1/4" X 2 1/4" - 12 GA. (TYPE 1)		
	or NORTHING (N):, EASTING (E):									UNREINFORCED ANCHOR			REINFORCED ANCHOR			REINFORCED ANCHOR		
		POST LENGTH (ft.)			POST LENGTH (ft.)			POST LENGTH (ft.)										
		1	2	TOTAL	1	2	TOTAL	1	TOTAL									
C500	N:1527692.9399, E:2833732.0745		R8-3	48 x 48		16.00												
C500	N:1527426.3466, E:2834860.2382		R3-9dP	30 x 12	2.50													
			R8-3	48 x 48		16.00												
			R5-1a	42 x 30		8.75												
C500	N:1527423.0765, E:2834863.4891		RX-X	36 x 36		9.00												
C500	N:1527443.2395, E:2834843.1636		R5-1a	42 x 30		8.75												
C500	N:1527550.7473, E:2834777.2543		R1-1	36 x 36		9.00												
C500	N:1527570.2063, E:2834794.8397		R1-1	36 x 36		9.00												
C500	N:1527575.7968, E:2834795.9651		R5-1	30 x 30	6.25													
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C500	N:1527676.5233, E:2834390.7618		R7-8	12 x 18	1.50													
C501	N:1527458.6323, E:2835846.1768		R1-2	48x48x48		3.50												
C501	N:1527553.1481, E:2835935.8540		R1-2	48x48x48		3.50												
C501	N:1527845.4469, E:2835078.7817		R1-2	48x48x48		3.50												
C501	N:1527625.0767, E:2834902.5258		R1-2	48x48x48		3.50												
Total (Current Sheet)						21.00	117.50											



PUBLIC WORKS PROJECT NO. 84003001-22-058-C1  
 CLEAR CREEK WELCOME CENTER  
 VIGO COUNTY, INDIANA

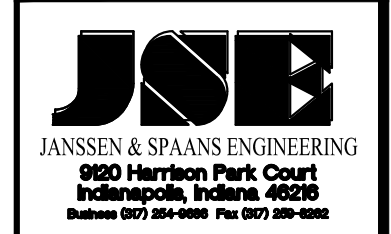
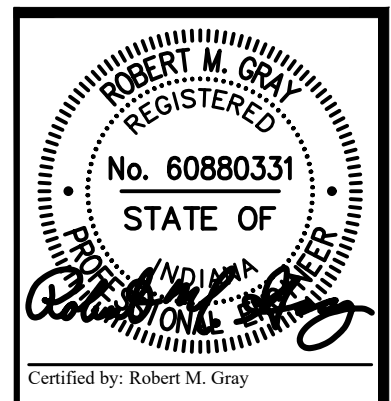


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 Project Number: 84003001-22-058-C1  
 Requisition Number: \_\_\_\_\_  
 Account Number: \_\_\_\_\_  
 Designer: TAF Drawing Date: 02/23/2023  
 Drafter: PKA Drawing Scale: N/A  
 DAPW Approval: \_\_\_\_\_  
 Client Approval: \_\_\_\_\_  
 Reference Number: 1364  
 Building Reference: \_\_\_\_\_  
 Drawing Number: C503  
 Sheet: 68 of 155

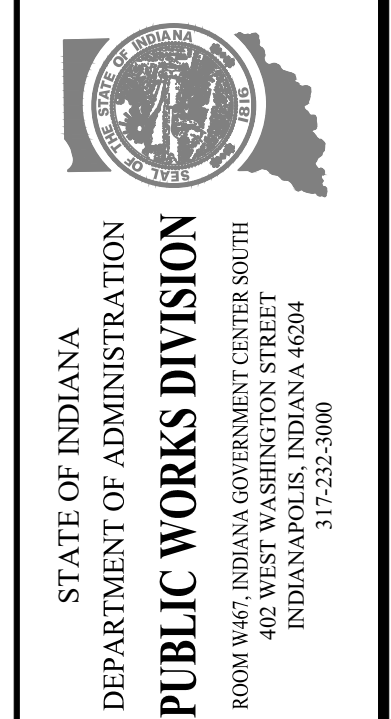
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PANEL SIGN & POST SUMMARY																									
SIGN						POST																			
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						POST 1		POST 2		POST 3		POST 4		STEEL (LB)	FOUNDATION TYPE A (EACH)	STEEL (LB)	FOUNDATION TYPE A (EACH)	STEEL (LB)	FOUNDATION TYPE B (EACH)	STEEL (LB)	FOUNDATION TYPE B (EACH)	STEEL (LB)	FOUNDATION TYPE C (EACH)	STEEL (LB)	FOUNDATION TYPE C (EACH)
						POST LENGT H (FT)	STUB LENGT H (FT)	POST LENGT H (FT)	STUB LENGT H (FT)	POST LENGT H (FT)	STUB LENGT H (FT)	POST LENGT H (FT)	STUB LENGT H (FT)												
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TOTALS					40																				

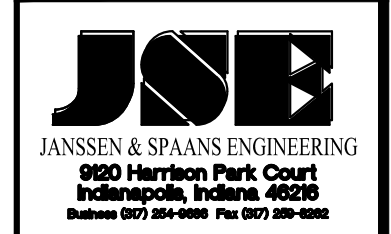
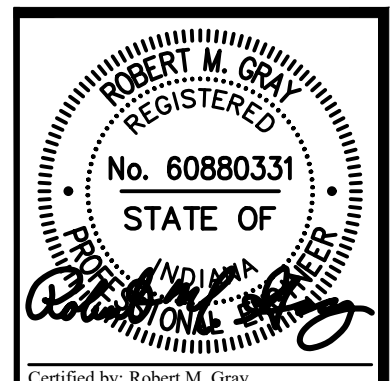
STEEL:  
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 TYPE B POST:    \_\_\_\_\_ (FT)



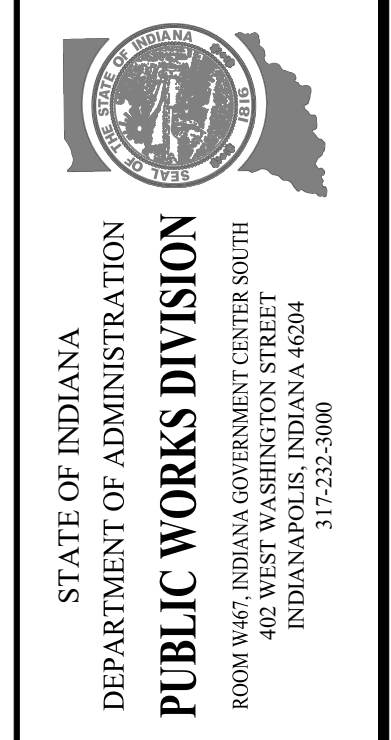
PUBLIC WORKS PROJECT NO. 84003001-22-058-C1  
 CLEAR CREEK WELCOME CENTER  
 VIGO COUNTY, INDIANA



Revisions: \_\_\_\_\_  
 Project Number: 84003001-22-058-C1  
 Requisition Number: \_\_\_\_\_  
 Account Number: \_\_\_\_\_  
 Designer: TAF    Drawing Date: 02/23/2023  
 Drafter: PKA    Drawing Scale: N/A  
 DAPW Approval: \_\_\_\_\_  
 Client Approval: \_\_\_\_\_  
 Reference Number: 1364  
 Building Reference: \_\_\_\_\_  
 Drawing Number: C504  
 Sheet: 69 of 155



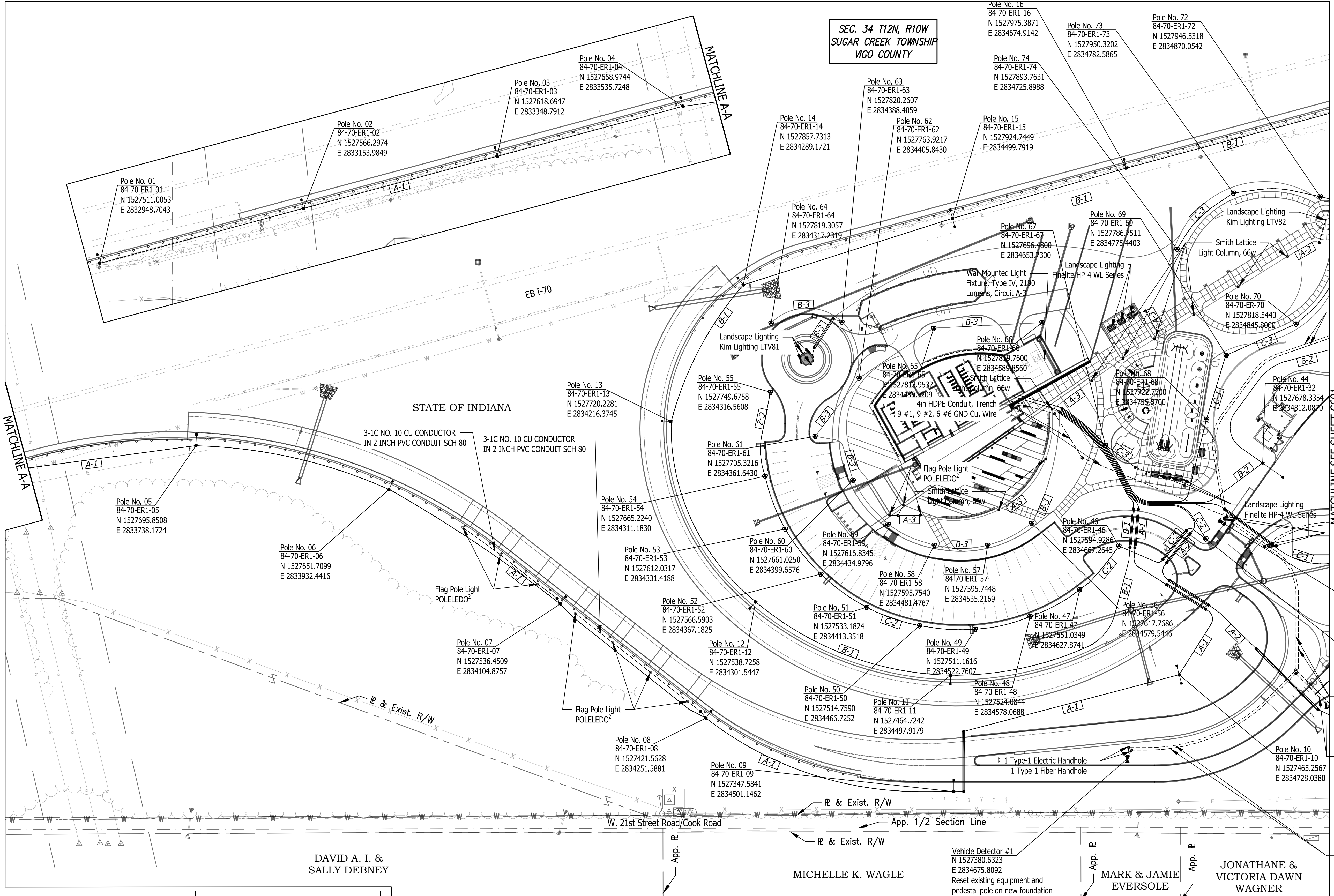
PUBLIC WORKS PROJECT NO. 84003001-22-058-C1  
 CLEAR CREEK WELCOME CENTER  
 VIGO COUNTY, INDIANA



STATE OF INDIANA  
 DEPARTMENT OF ADMINISTRATION  
**PUBLIC WORKS DIVISION**  
 ROOM 9407, INDIANA GOVERNMENT CENTER SOUTH  
 402 WEST WASHINGTON STREET  
 INDIANAPOLIS, INDIANA 46204  
 317-232-3000

Revisions:  
 Project Number: 84003001-22-058-C1  
 Requestion Number:  
 Account Number:  
 Designer: TAF Drawing Date: 02/23/2023  
 Drafter: PKA Drawing Scale: 1"=50'  
 DAPW Approval:  
 Client Approval:  
 Reference Number: 1364  
 Building Reference:  
 Drawing Number: C600  
 Sheet: 70 of 155

SEC. 34 T12N, R10W  
 SUGAR CREEK TOWNSHIP  
 VIGO COUNTY



**LIGHTING LEGEND**

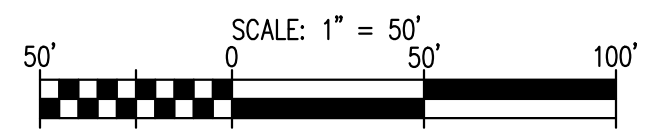
- OR NEW LIGHT STANDARD
- 3-IC NO. 4 CU CONDUCTOR IN PLASTIC DUCT IN TRENCH
- 3-IC NO. 4 CU CONDUCTOR IN PLASTIC DUCT IN 2" GALVANIZED STEEL CONDUIT
- NEW HANDHOLE
- CIRCUIT NUMBER

**LUMINAIRE IDENTIFICATION**

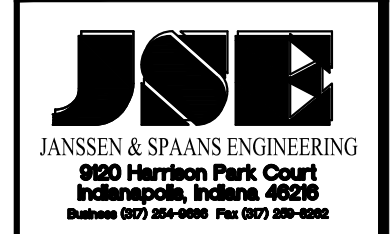
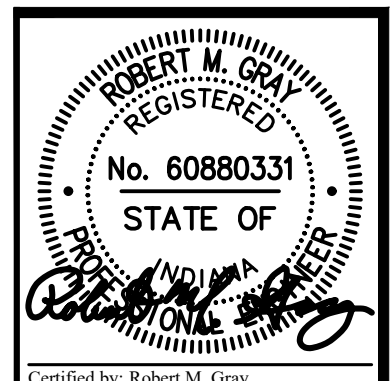
- 84-70-ER1-01 LUMINAIRE NO.
- CROSS ROAD, CLEAR CREEK REST AREA
- MAINLINE I-70
- COUNTY NO. 84 (VIGO COUNTY)

**ITS LEGEND**

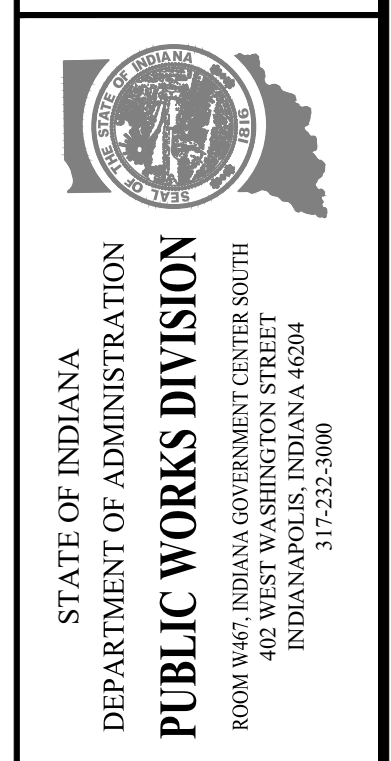
- PTZ CAMERA
- MICROWAVE VEHICLE DETECTOR
- HDPE ITS CONDUIT
- ITS POLE
- ITS HANDHOLE
- ITS CABINET



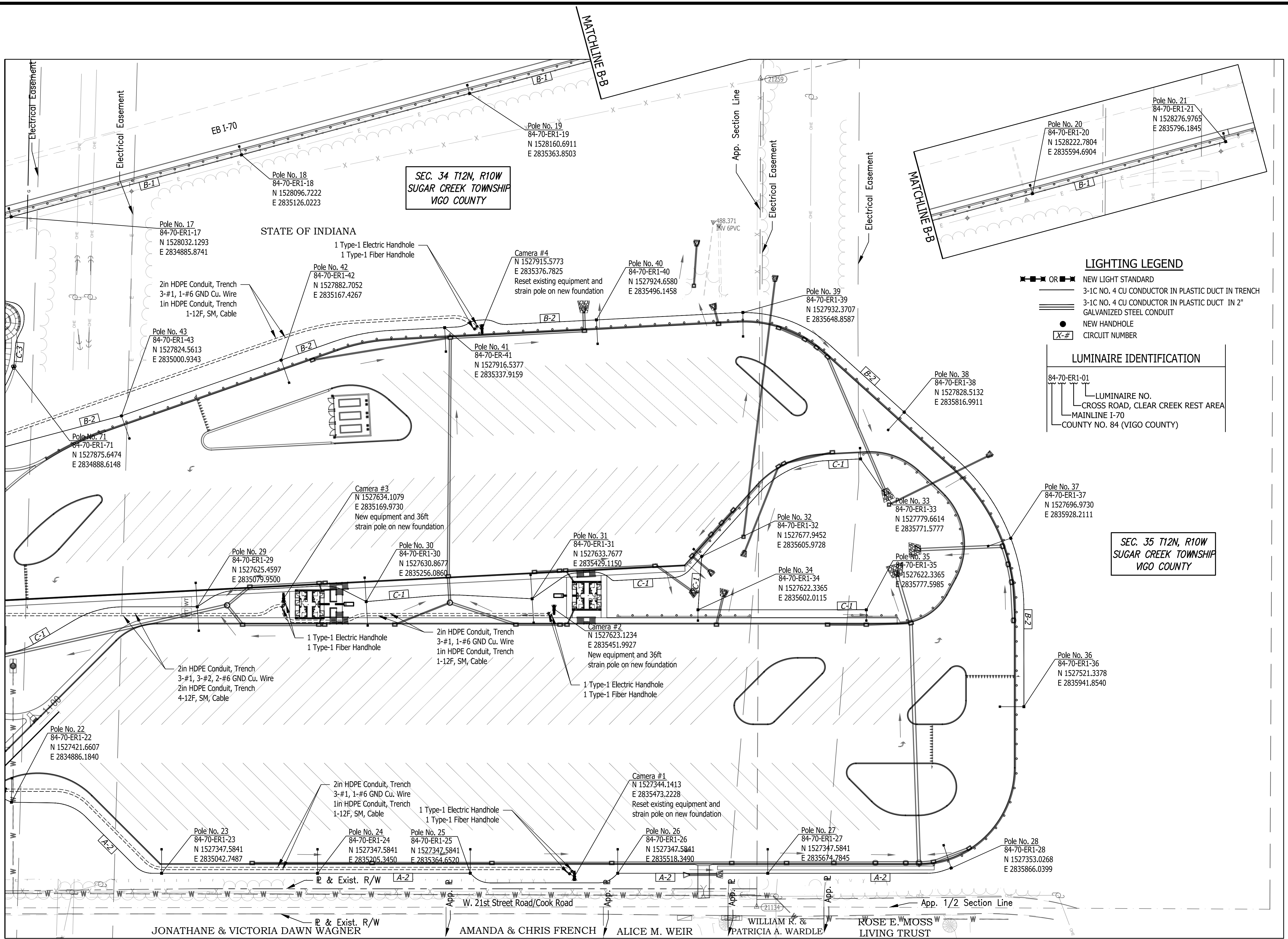
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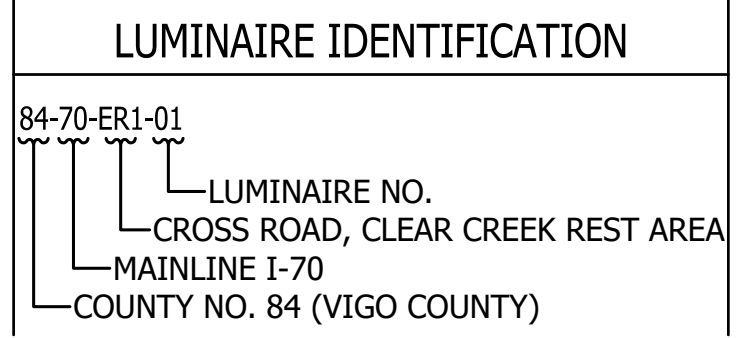
PUBLIC WORKS PROJECT NO. 84-003001-22-058-C1  
 CLEAR CREEK WELCOME CENTER  
 VIGO COUNTY, INDIANA



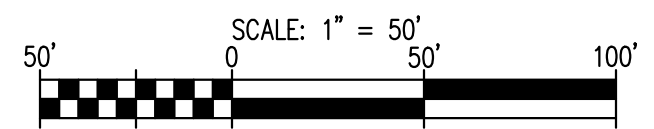
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Requestion Number:	
Account Number:	
Designer:	TAF
Drawing Date:	02/23/2023
Drafter:	PKA
Drawing Scale:	1"=50'
DAPW Approval:	
Client Approval:	
Reference Number:	1364
Building Reference:	
Drawing Number:	C601
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- LIGHTING LEGEND**
- OR --- NEW LIGHT STANDARD
  - 3-1C NO. 4 CU CONDUCTOR IN PLASTIC DUCT IN TRENCH
  - 3-1C NO. 4 CU CONDUCTOR IN PLASTIC DUCT IN 2" GALVANIZED STEEL CONDUIT
  - NEW HANDHOLE
  - X-# CIRCUIT NUMBER

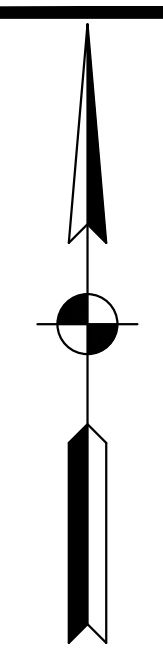


- ITS LEGEND**
- PTZ CAMERA
  - MICROWAVE VEHICLE DETECTOR
  - ITS POLE
  - ITS HANDHOLE
  - ITS CABINET
  - HDPE ITS CONDUIT



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MATCHLINE SEE SHEET C600



LUMINAIRE SCHEDULE													
LUMINAIRE NO.	BRANCH CIRCUIT A-1		1	2	3	4	5	6	7	8	9	10A	10B
CIRCUIT CONNECTION	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown	Brown
CONNECTION TYPE	Type 1	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2
ROAD LUMINAIRE I.E.S. DISTRIBUTION TYPE	II	II	II	II	II	II	II	II	II	II	II	II	II
MAST ARM LENGTH (FT)	8	8	8	8	10	8	8	8	8	10	8	8	8
TOP OF FOUNDATION ELEVATION (FT)	542.22	535.21	528.24	522.57	516.22	516.77	517.58	516.07	518.04		516.52		
POLE SETBACK (FT)	4.50	4.50	4.50	4.50	7.00	5.75	5.50	5.50	10.25	43.50			
SET BACK FROM	FRONT FACE OF CURB	X	X	X	X	X	X	X	X		X		
	FRONT FACE OF GUARDRAIL												
	EDGE OF PAVEMENT												
	EDGE OF SHOULDER												
LUMINAIRE M.H. (FT)													
LUMINAIRE E.M.H. (FT)	40	40	40	40	40	40	40	40	40	50			

LUMINAIRE SCHEDULE														
LUMINAIRE NO.	BRANCH CIRCUIT B-1		11	12	13	14	15A	15B	16	17	18	19	20	21
CIRCUIT CONNECTION	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange
CONNECTION TYPE	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 1
ROAD LUMINAIRE I.E.S. DISTRIBUTION TYPE	II	II	II	II	II	III	II	II	II	II	II	II	II	II
MAST ARM LENGTH (FT)	8	8	8	8	8	8	8	8	8	8	8	8	8	8
TOP OF FOUNDATION ELEVATION (FT)	510.18	509.60	508.34	507.73	503.99	502.57	499.24	495.93	492.99	489.55	488.20			
POLE SETBACK (FT)	7.00	7.00	7.00	4.50	8.00	4.50	4.50	4.50	4.50	4.50	4.50			
SET BACK FROM	FRONT FACE OF CURB				X	X	X	X	X	X	X	X	X	X
	FRONT FACE OF GUARDRAIL													
	EDGE OF PAVEMENT													
	EDGE OF SHOULDER	X	X	X										
LUMINAIRE M.H. (FT)														
LUMINAIRE E.M.H. (FT)	40	40	40	40	40	40	40	40	40	40	40	40	40	40

LUMINAIRE SCHEDULE									
LUMINAIRE NO.	BRANCH CIRCUIT A-2		22	23	24	25	26	27	28
CIRCUIT CONNECTION	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
CONNECTION TYPE	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 1
ROAD LUMINAIRE I.E.S. DISTRIBUTION TYPE	III	III	III	III	III	III	III	III	III
MAST ARM LENGTH (FT)	25	25	25	25	25	25	25	25	25
TOP OF FOUNDATION ELEVATION (FT)	526.52	513.64	508.84	506.94	506.32	502.46	499.21		
POLE SETBACK (FT)	10.00	10.00	10.00	10.00	10.00	10.00	10.00		
SET BACK FROM	FRONT FACE OF CURB	X	X	X	X	X	X	X	X
	FRONT FACE OF GUARDRAIL								
	EDGE OF PAVEMENT								
	EDGE OF SHOULDER								
LUMINAIRE M.H. (FT)									
LUMINAIRE E.M.H. (FT)	50	50	50	50	50	50	50		

LUMINAIRE SCHEDULE																																						
LUMINAIRE NO.	BRANCH CIRCUIT C-2			45A	45B	45C	46A	46B	46C	47A	47B	47C	48A	46B	48C	49A	49B	49C	50A	50B	50C	51A	51B	51C	52A	52B	52C	53A	53B	53C	54A	54B	54C	55A	55B	55C		
CIRCUIT CONNECTION	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange	
CONNECTION TYPE	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 1	Type 1	Type 1
ROAD LUMINAIRE I.E.S. DISTRIBUTION TYPE	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V
MAST ARM LENGTH (FT)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TOP OF FOUNDATION ELEVATION (FT)		512.44			510.61				509.84				508.83				508.62			508.54			508.42			508.61			508.50			508.40			808.10			
POLE SETBACK (FT)		11.50			5.00				5.00				5.00				5.00			5.00			5.00			5.00			5.00			5.00			5.00			
SET BACK FROM	FRONT FACE OF CURB		X		X			X	X			X	X			X			X	X			X			X			X			X			X			
	FRONT FACE OF GUARDRAIL																																					
	EDGE OF PAVEMENT																																					
	EDGE OF SHOULDER																																					
LUMINAIRE M.H. (FT)																																						
LUMINAIRE E.M.H. (FT)	17	21	25	17	21	25	17	21	25	17	21	25	17	21	25	17	21	25	17	21	25	17	21	25	17	21	25	17	21	25	17	21	25	17	21	25		

LUMINAIRE SCHEDULE																																						
LUMINAIRE NO.	BRANCH CIRCUIT B-3			56A	56B	56C	57A	57B	57C	58A	58B	58C	59A	59B	59C	60A	60B	60C	61A	61B	61C	62A	62B	62C	63A	63B	63C	64A	64B	64C	65A	65B	65C	66A	66B	66C		
CIRCUIT CONNECTION	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange	Orange	
CONNECTION TYPE	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 1	Type 1	Type 1
ROAD LUMINAIRE I.E.S. DISTRIBUTION TYPE	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	
MAST ARM LENGTH (FT)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TOP OF FOUNDATION ELEVATION (FT)		510.45			510.25				510.06				509.85				509.63			508.57			508.66			508.19			508.05			511.10			504.48			
POLE SETBACK (FT)		13.50			13.50				13.50				13.50				13.50			5.50			13.50			13.50			13.50									
SET BACK FROM	FRONT FACE OF CURB		X		X			X	X			X	X			X			X	X			X			X			X			X			X			
	FRONT FACE OF GUARDRAIL																																					
	EDGE OF PAVEMENT																																					
	EDGE OF SHOULDER																																					
LUMINAIRE M.H. (FT)																																						
LUMINAIRE E.M.H. (FT)	12	16	20	12	16	20	12	16	20	12	16	20	12	16	20	12	16	20	12	16	20	12	16	20	12	16	20	12	16	20	12	16	20	12	16	20		

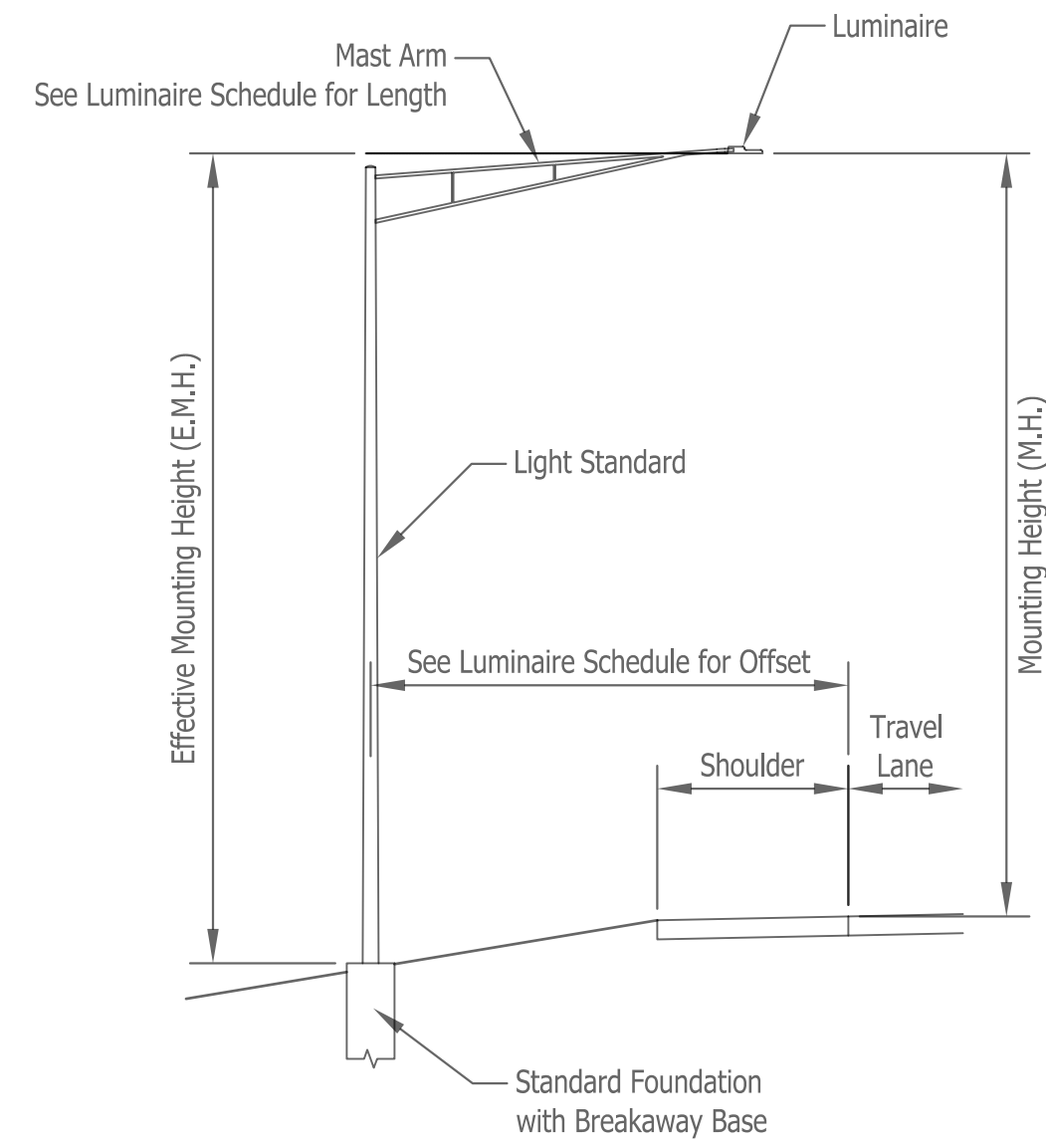
LUMINAIRE SCHEDULE																												
LUMINAIRE NO.	BRANCH CIRCUIT C-3			67A	67B	67C	68A	68B	68C	69A	69B	69C	70A	70B	70C	71A	71B	71C	72A	72B	72C	73A	73B	73C	74A	74B	74C	
CIRCUIT CONNECTION	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
CONNECTION TYPE	Type 3	Type 3	Type 3	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 2	Type 1	
ROAD LUMINAIRE I.E.S. DISTRIBUTION TYPE	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V	
MAST ARM LENGTH (FT)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
TOP OF FOUNDATION ELEVATION (FT)		510.30			509.70				508.09				506.57				505.68			505.47			505.20			506.99		
POLE SETBACK (FT)																												
SET BACK FROM	FRONT FACE OF CURB																											
	FRONT FACE OF GUARDRAIL																											
	EDGE OF PAVEMENT																											
	EDGE OF SHOULDER																											
LUMINAIRE M.H. (FT)																												
LUMINAIRE E.M.H. (FT)	12	16	20	12	16	20	12	16	20	12	16	20	12	16	20	12	16	20	12	16	20	12	16	20	12	16	20	

DESIGN DATA		
Initial Lamp Lumen (LL) (Conventional, Ramps)	16,000	lumens per luminaire
Initial Lamp Lumen (LL) (Conventional, Parking)	32,000	lumens per luminaire
Average Maintained Illumination (EL) Roadway	0.60	fc
Average Maintained Illumination (EL) Parking	1.00	fc
Lamp Lumen Depreciation Factor (LLD)	0.88	
Luminaire Dirt Depreciation Factor (LDD)	0.87	
Maintained Factor (LLD x LDD)	0.77	
Uniformity Ratio	4:1	
Mounting Height (Conventional)	40 to 50	ft

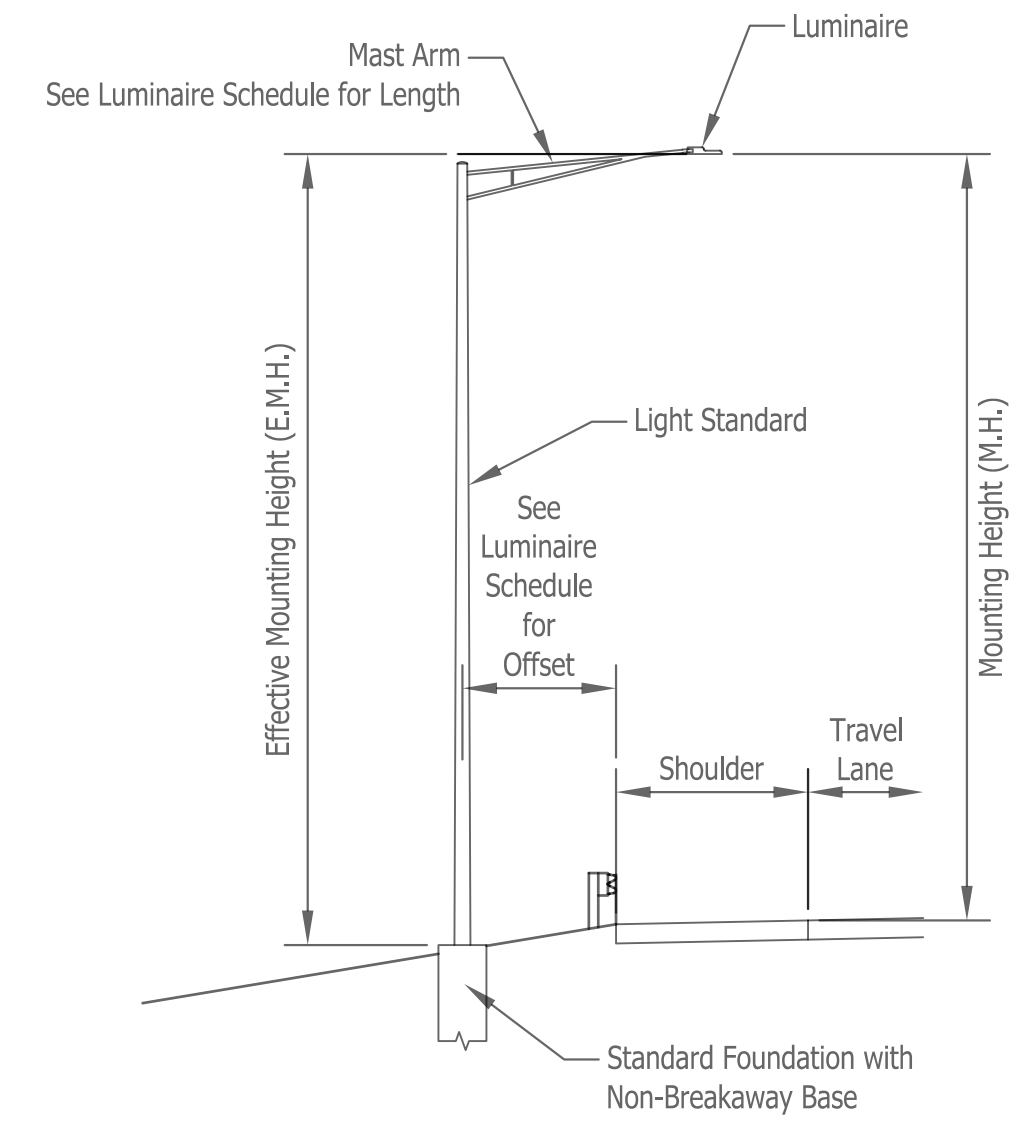
Lighting General Notes:

- All utility locations in the plans are assumed and shall be verified by the contractor before installation of any lighting facilities.
- All light pole bases shall be breakaway unless placed behind guardrail or sidewalk.
- See building plans for lighting service point connection.
- No. 4 Copper wire shall be used between poles. No. 10 Copper wire should be used up the poles to the luminaire.
- Lighting will be controlled by photoelectric cell with a manual override switch included for maintenance purposes.

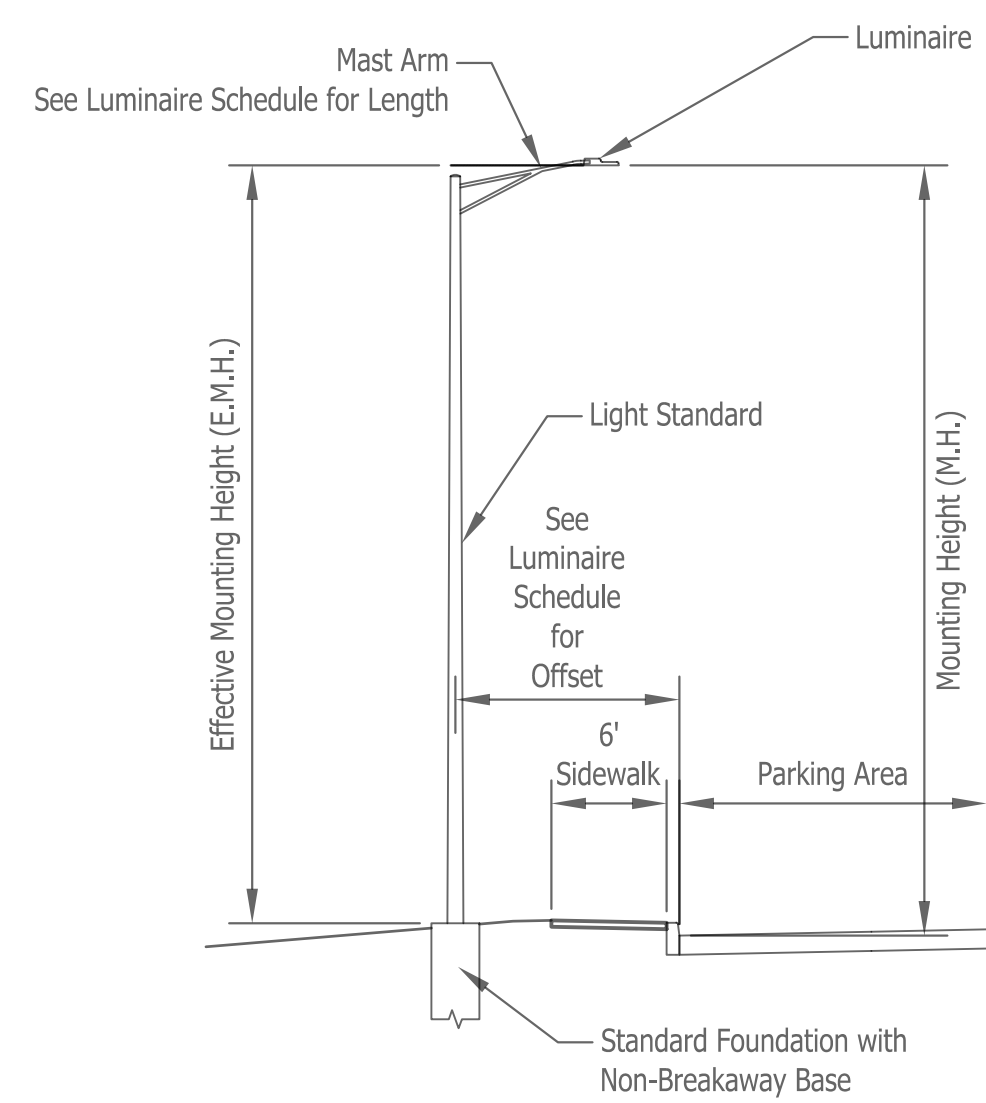
PANEL BOARD SCHEDULE												
LOAD DESCRIPTION	LOAD (AMPS)	BRKR (AMPS)	WIRE	CK T NO.	ØA	ØB	ØC	CK T NO.	WIRE	BRKR (AMPS)	LOAD (AMPS)	LOAD DESCRIPTION
A-1	9.7	20	#4	1	●	●	●	2	#			



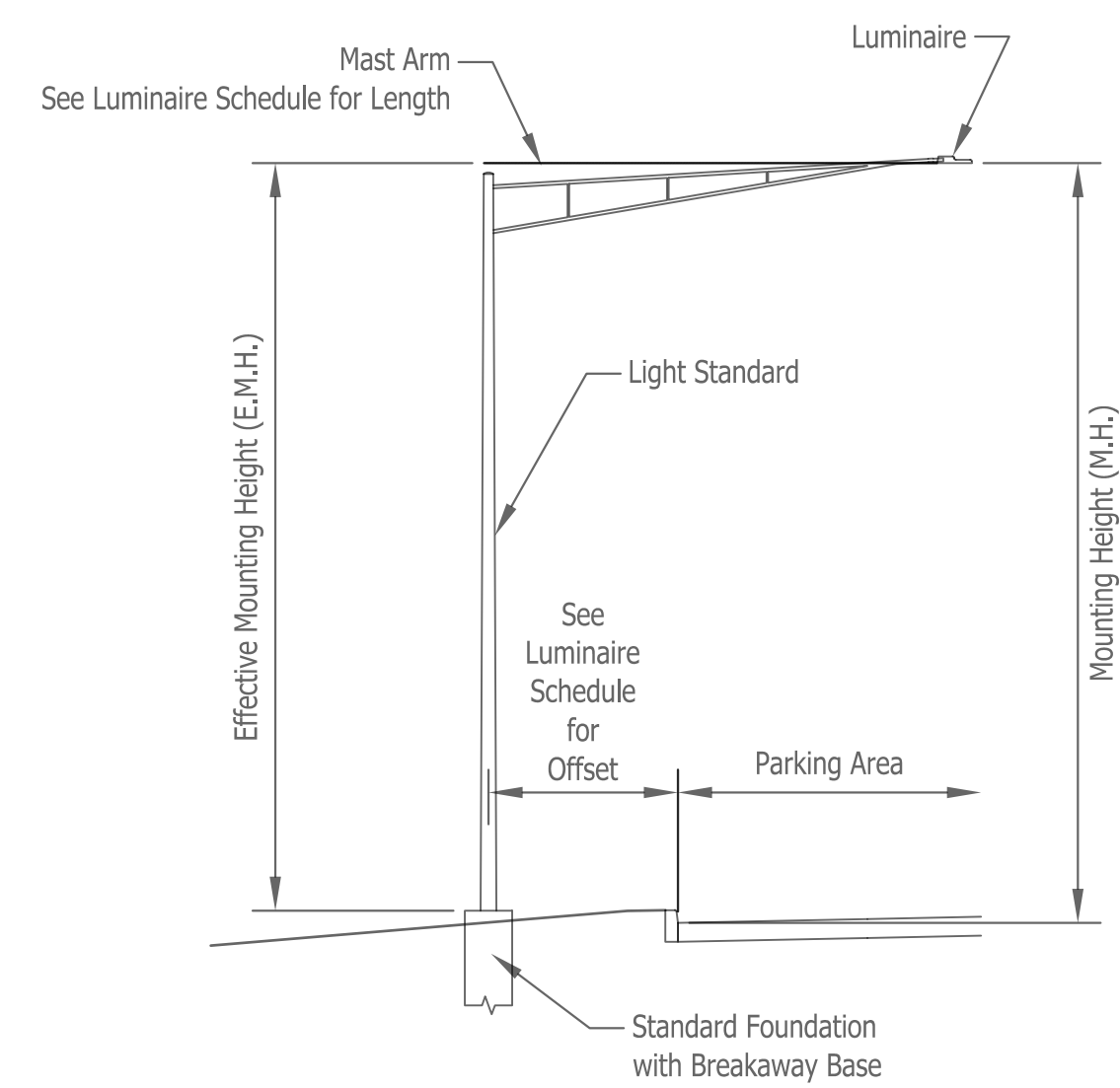
Typical Light Pole Installation  
Shoulder without Guardrail



Typical Light Pole Installation  
Shoulder with Guardrail

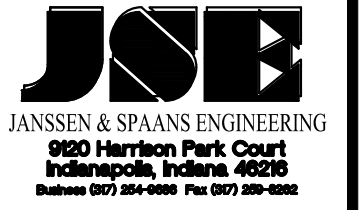
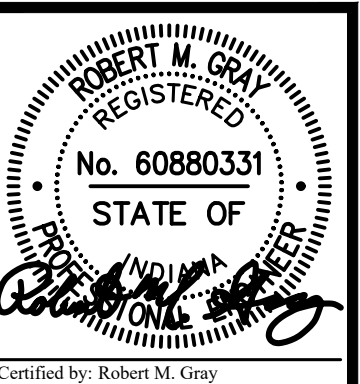


Typical Light Pole Installation  
Curb and Sidewalk

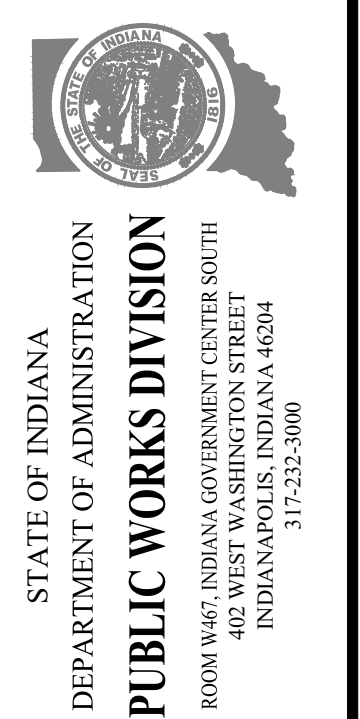


Typical Light Pole Installation  
Curb

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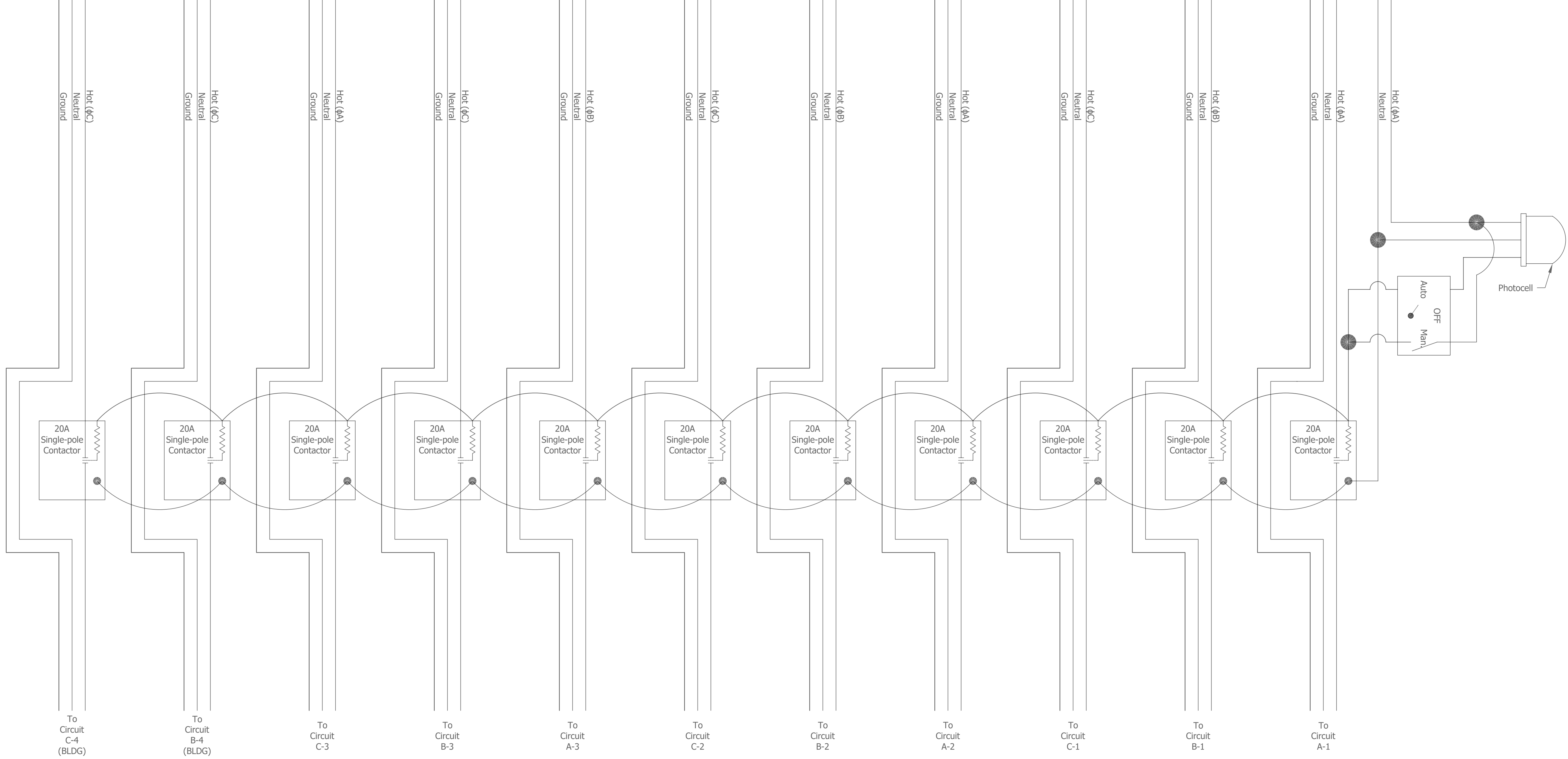
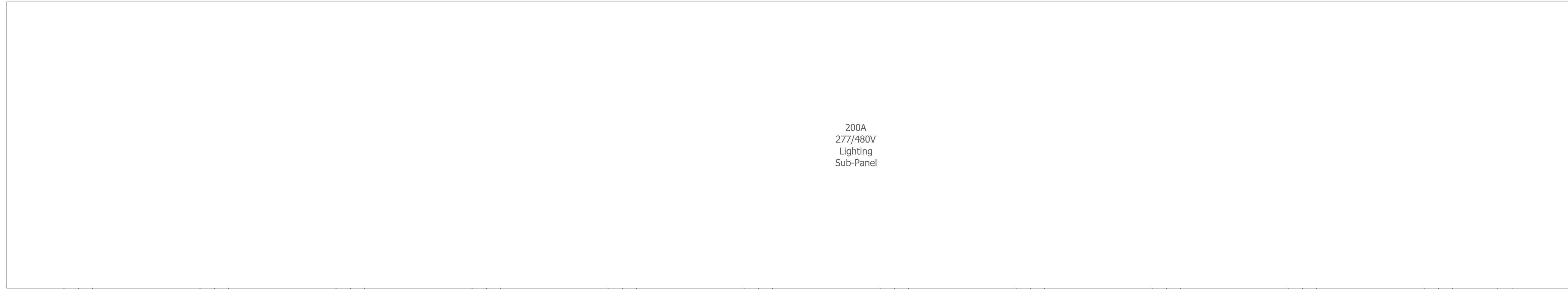
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 CLEAR CREEK WELCOME CENTER  
 VIGO COUNTY, INDIANA



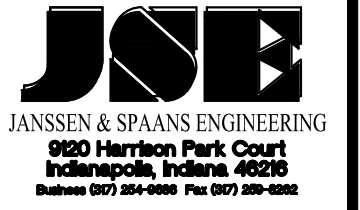
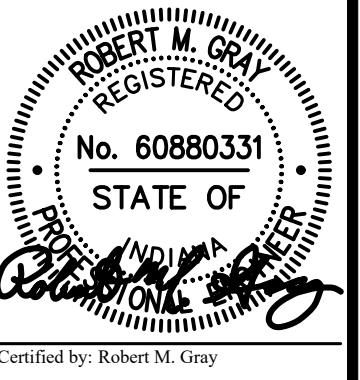
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Requisition Number:	-
Account Number:	-
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Drawing Scale:	N/A
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Sheet:	73 of 155



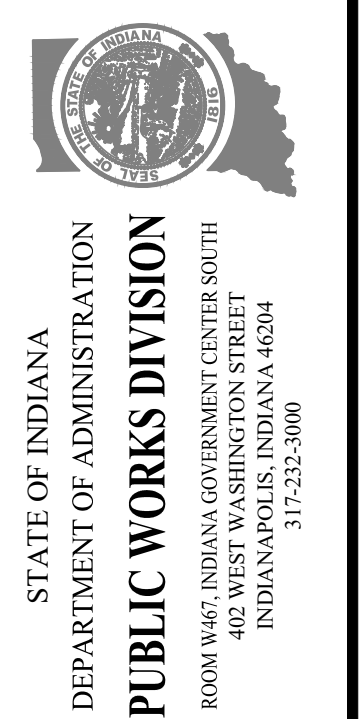
Lighting Photocell Diagram



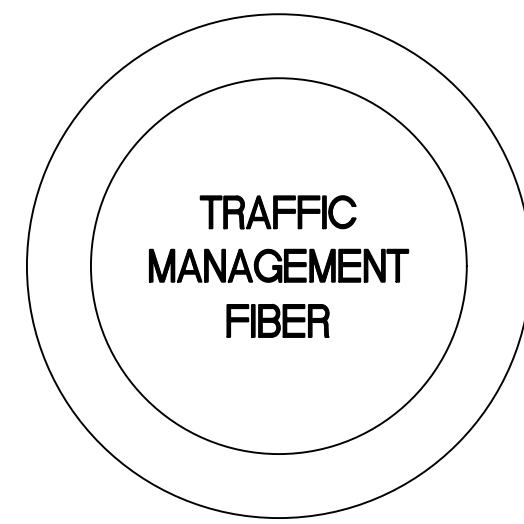
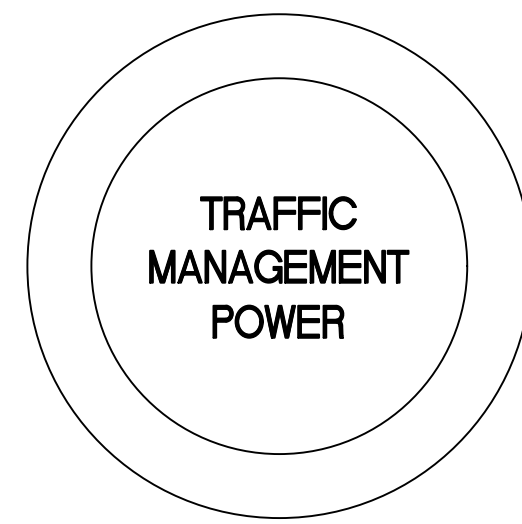
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PUBLIC WORKS PROJECT NO. 84003001-22-058-C1  
 CLEAR CREEK WELCOME CENTER  
 VIGO COUNTY, INDIANA

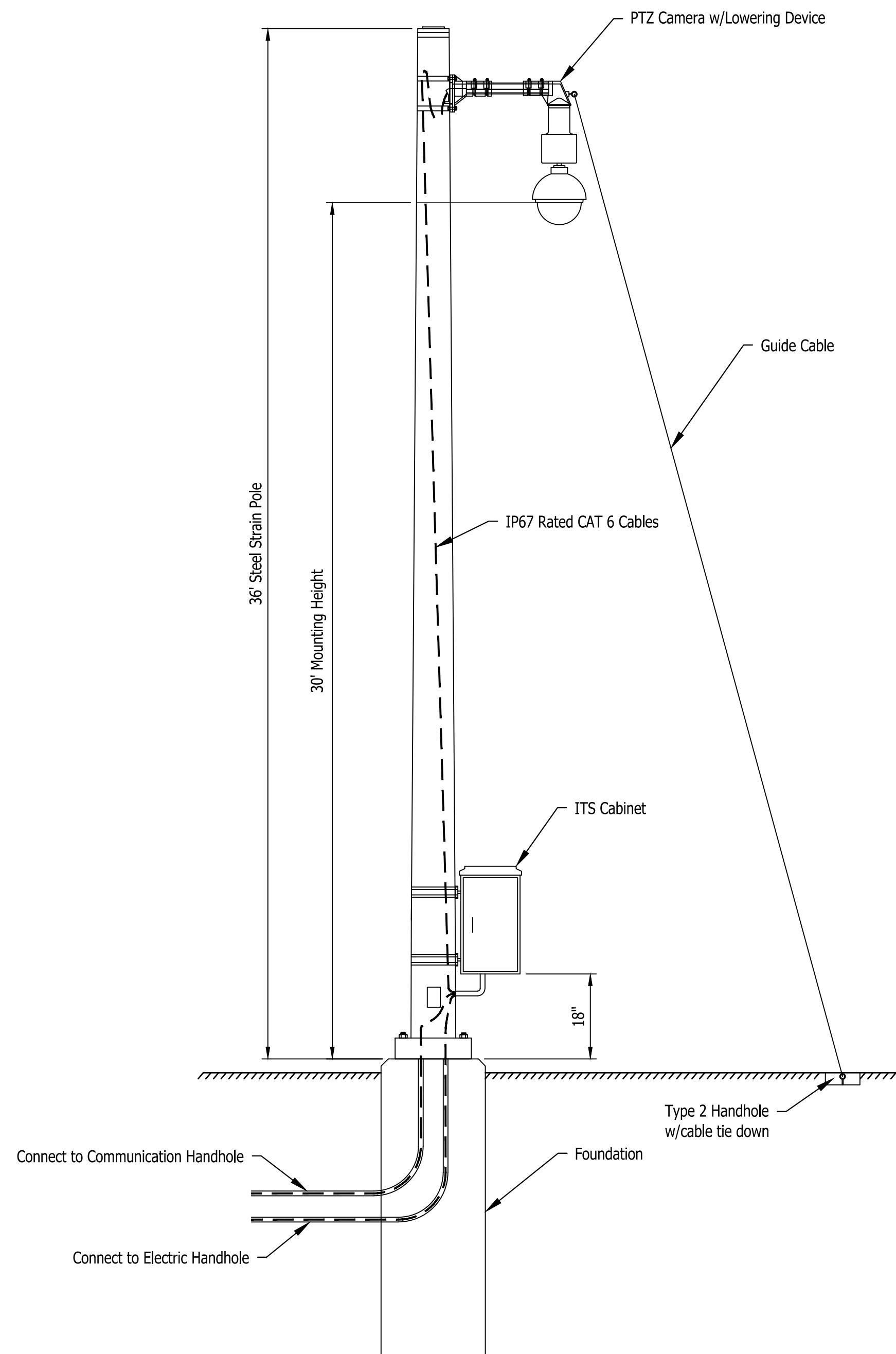


Revisions:	
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Drafter:	PKA
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DAPW Approval:	
Client Approval:	
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Sheet:	74 of 155

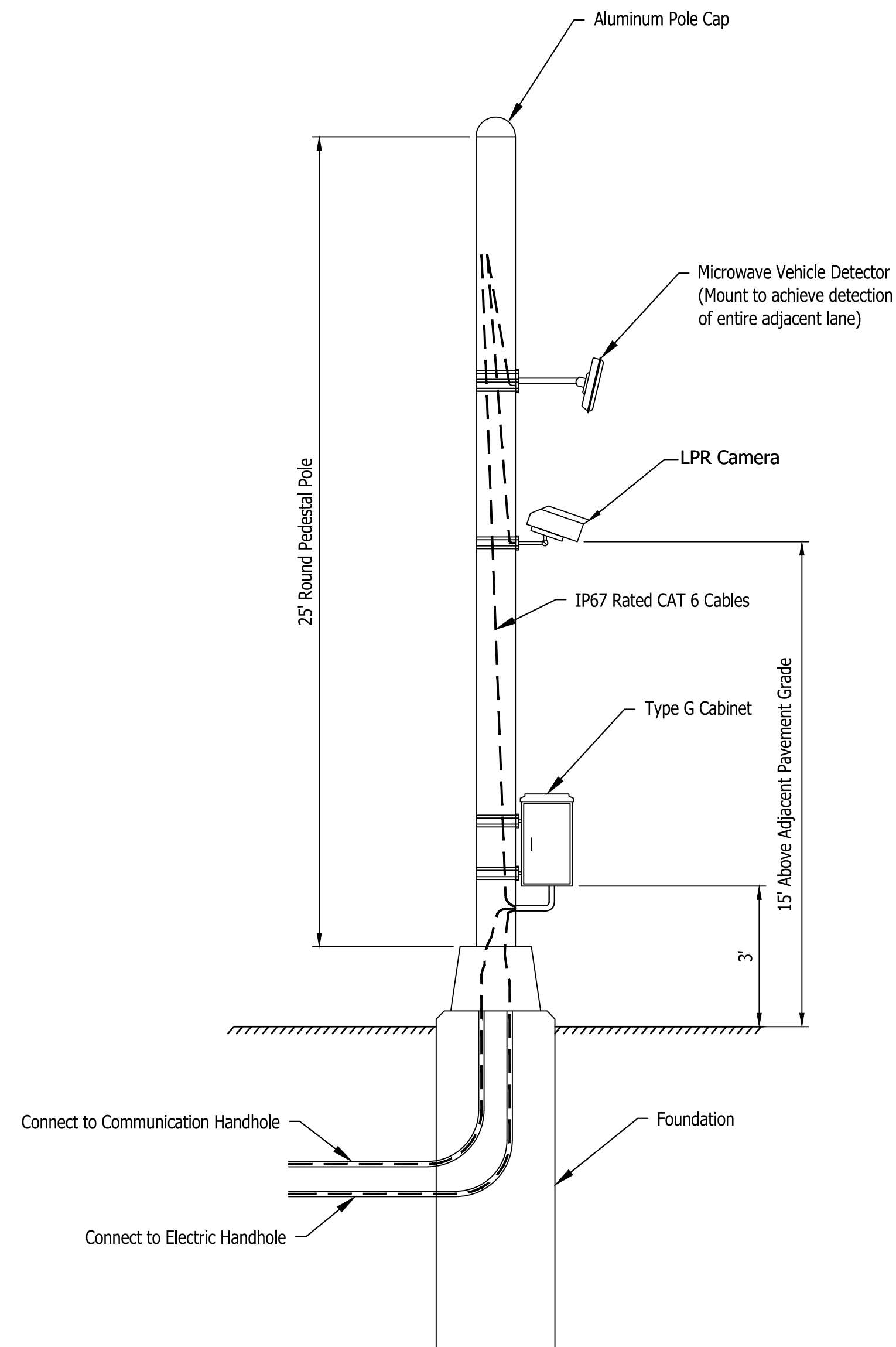


**ITS HANDHOLE DETAILS**  
Not to Scale

NOTE: See INDOT Standard Drawing E 805-SGCF-04 for more information on Type 1 Handhole



**ITS 36' CAMERA POLE DETAILS**  
Not to Scale



**ITS VEHICLE DETECTION POLE DETAILS**  
Not to Scale

ITS General Notes:

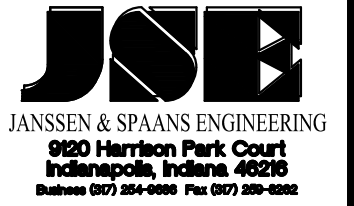
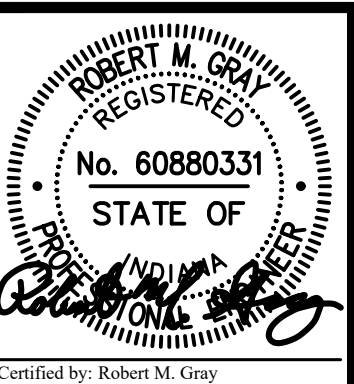
1. All existing ITS equipment is to be reused as described per plans.
2. All conduits are to be buried at a depth of 36" below final grade.
3. All conduits are to be Schedule 80 HDPE unless otherwise noted in plans.
4. All conduits to have tracer wire for future utility locates.
5. All utility locations in the plans are assumed and shall be verified by the contractor before installation of any ITS facilities.
6. Install 60A double-pole remote service disconnect at all ITS cabinet locations.



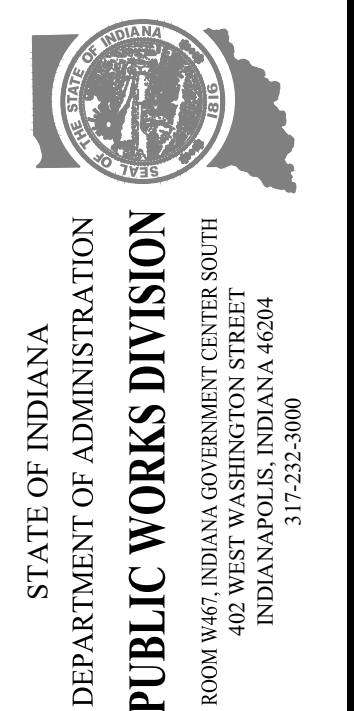
**Existing Eastbound I-70 TPIMS Sign**

NOTE: Existing sign at approximate I-70 mile marker 142.2 (Illinois) to remain with no change. INDOT ITS to verify new rest area ITS is connected to sign as required at completion of construction.

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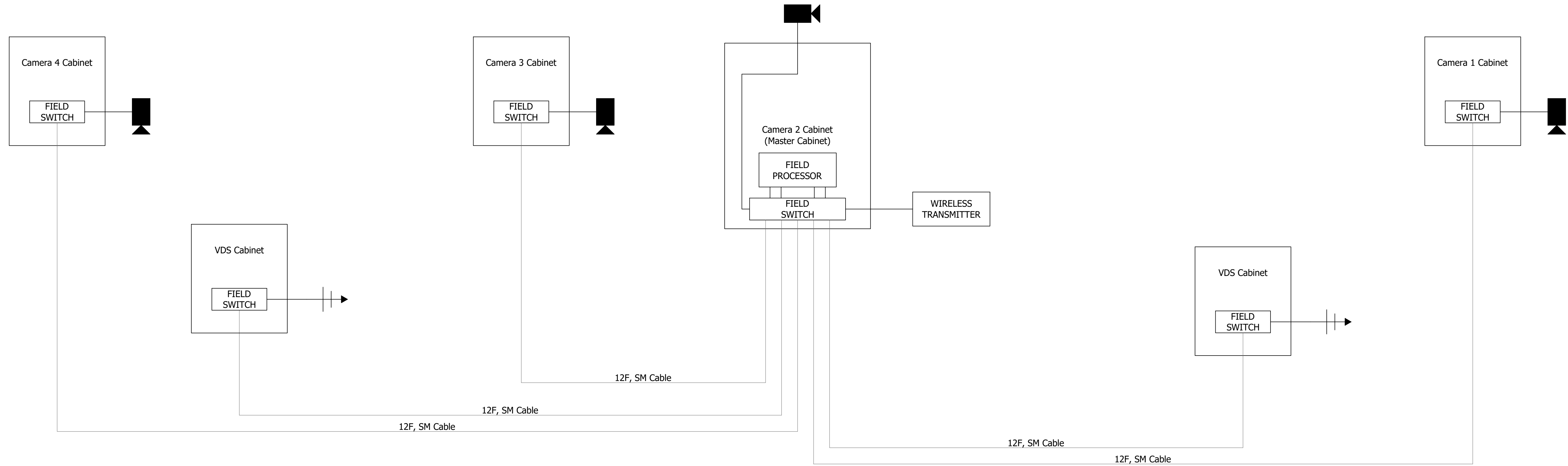


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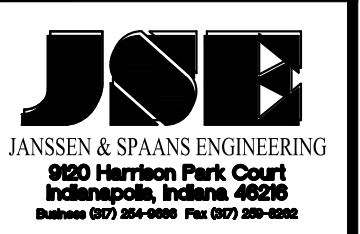
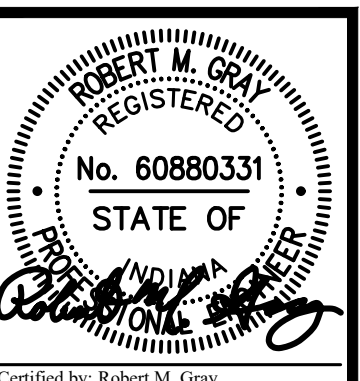


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Drawing Date:	02/23/2023
Drafter:	PKA
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Client Approval:	
Reference Number:	1364
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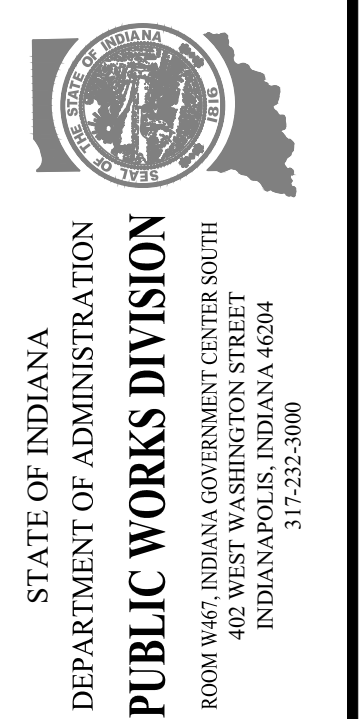
ITS FIBER MAP



- Notes:
1. All fiber connections to cabinets shall have Gigabit Interface Converter (GBIC) at each end.
  2. All patch cables shall support 850nm wavelength fiber optic cable.

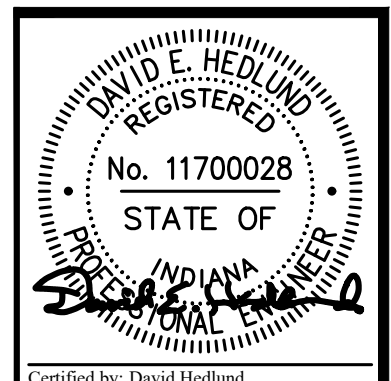


PUBLIC WORKS PROJECT NO. 84003001-22-058-C1  
 CLEAR CREEK WELCOME CENTER  
 VIGO COUNTY, INDIANA



Revisions:	
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Requisition Number:	-
Account Number:	-
Designer:	TAF
Drawing Date:	02/23/2023
Drafter:	PKA
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**JOE**  
JANSSEN & SPAANS ENGINEERING  
900 Harrison Park Court  
Indianapolis, Indiana 46204  
Business (317) 238-4688 Fax (317) 238-4688

**synthesis**

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LANDSCAPE ARCHITECTURE  
101 S. Pennsylvania St.  
Indianapolis, IN 46204  
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www.ratiodesign.com

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Engineering Services

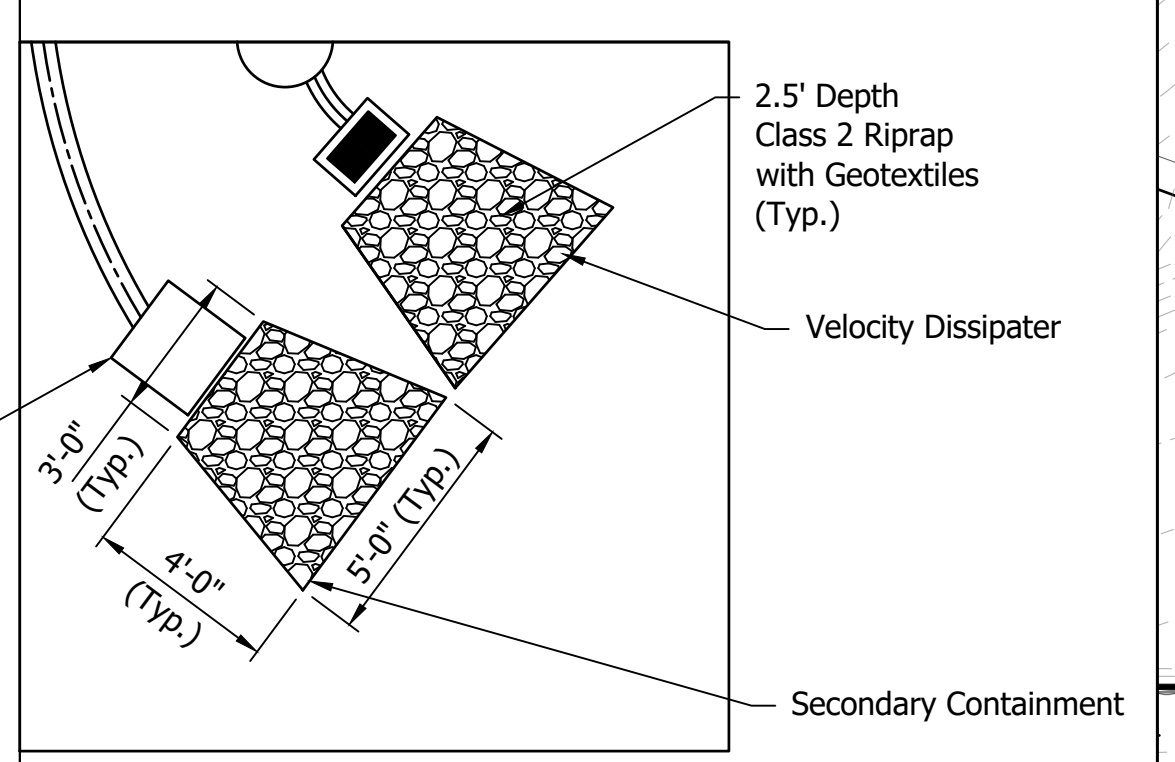
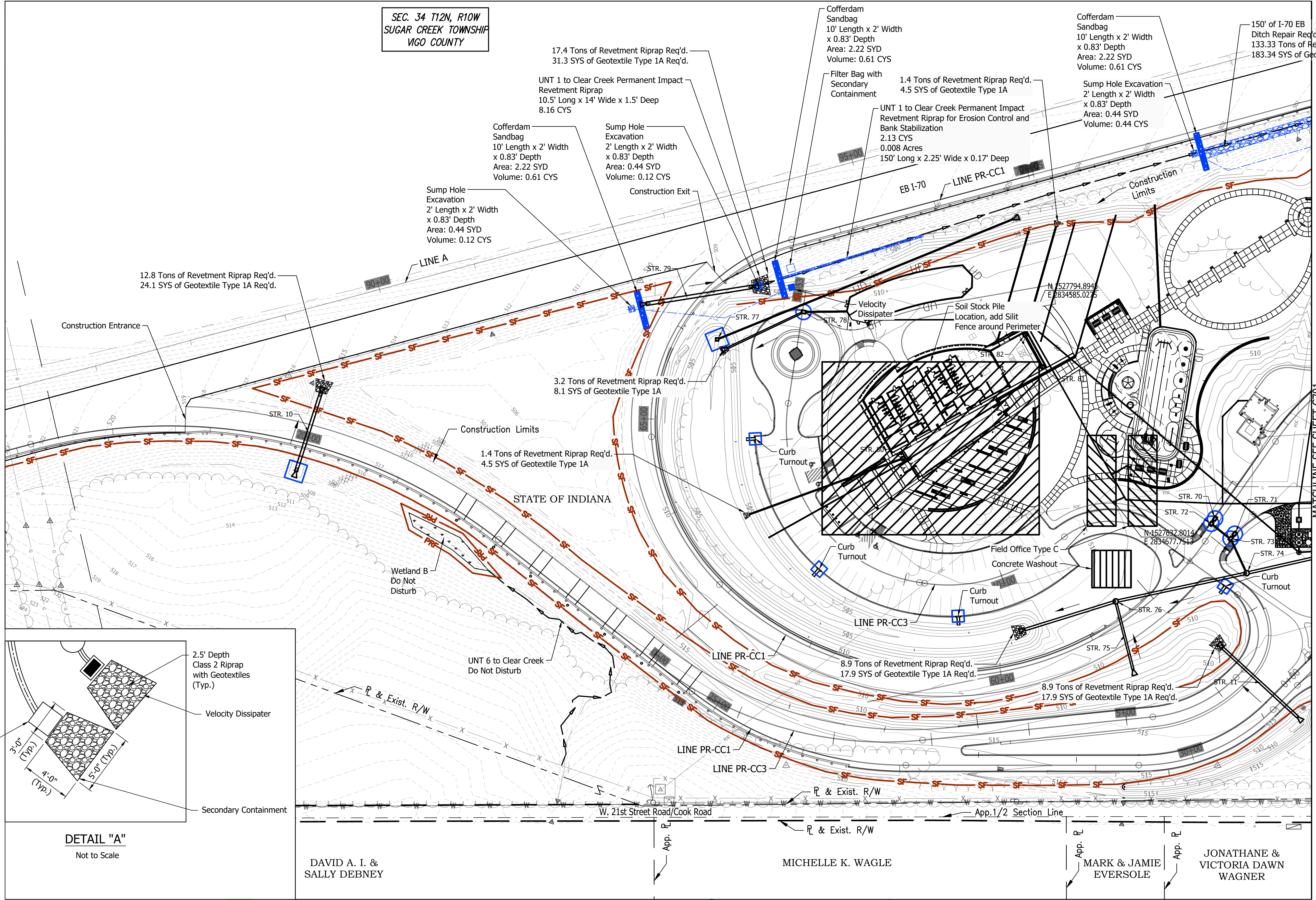
PUBLIC WORKS PROJECT NO. 84003001-22-058-C1  
CLEAR CREEK WELCOME CENTER  
VIGO COUNTY, INDIANA



STATE OF INDIANA  
DEPARTMENT OF ADMINISTRATION  
**PUBLIC WORKS DIVISION**  
ROOM 9407, INDIANA GOVERNMENT CENTER SOUTH  
402 WEST WASHINGTON STREET  
INDIANAPOLIS, INDIANA 46204  
317-232-3000

Revisions:  
Project Number: 84003001-22-058-C1  
Requestion Number:  
Account Number:  
Designer: RJS Drawing Date: 02/23/2023  
Drafter: JRC Drawing Scale: 1"=50'  
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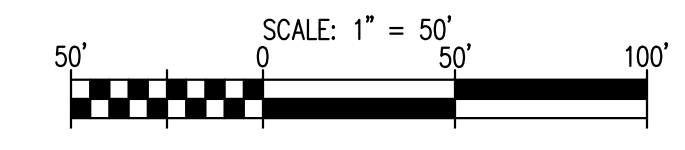
SEC. 34 T12N, R10W  
SUGAR CREEK TOWNSHIP  
VIGO COUNTY



DETAIL "A"  
Not to Scale

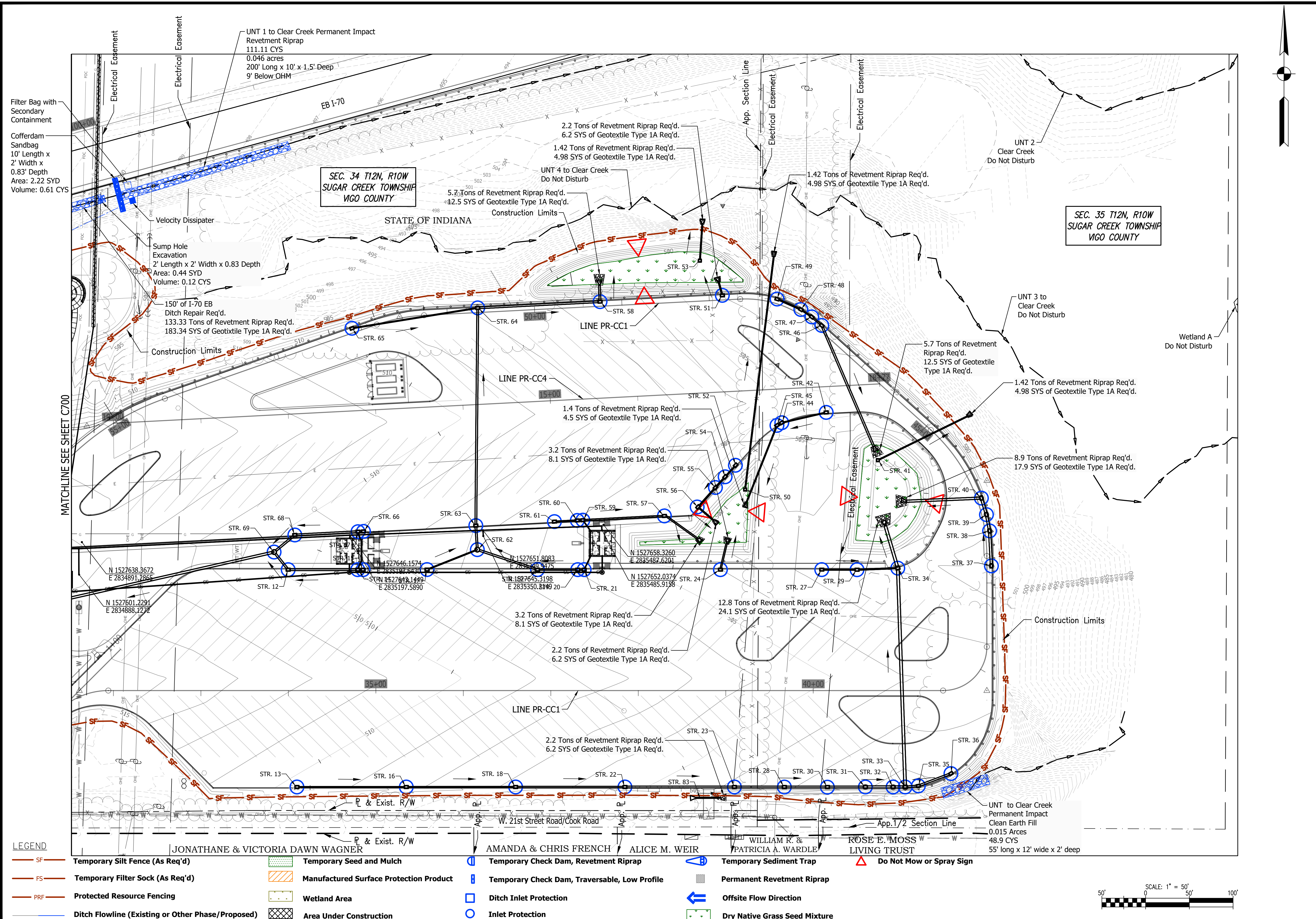
LEGEND

- SF Temporary Silt Fence (As Req'd)
- FS Temporary Filter Sock (As Req'd)
- PRF Protected Resource Fencing
- Ditch Flowline (Existing or Other Phase/Proposed)
- Temporary Seed and Mulch
- Manufactured Surface Protection Product
- Wetland Area
- Area Under Construction
- Temporary Check Dam, Revetment Riprap
- Temporary Check Dam, Traversable, Low Profile
- Ditch Inlet Protection
- Inlet Protection
- Temporary Sediment Trap
- Permanent Revetment Riprap
- ← Offsite Flow Direction
- Dry Native Grass Seed Mixture
- ▲ Do Not Mow or Spray Sign



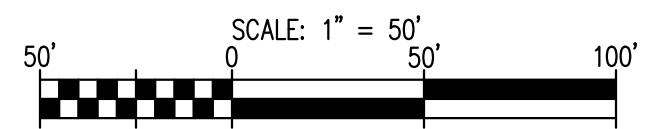
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**LEGEND**

- |   |   |   |                               |
|---|---|---|-------------------------------|
| Temporary Silt Fence (As Req'd)                   | Temporary Seed and Mulch                | Temporary Check Dam, Revetment Riprap         | Temporary Sediment Trap       |
| Temporary Filter Sock (As Req'd)                  | Manufactured Surface Protection Product | Temporary Check Dam, Traversable, Low Profile | Permanent Revetment Riprap    |
| Protected Resource Fencing                        | Wetland Area                            | Ditch Inlet Protection                        | Offsite Flow Direction        |
| Ditch Flowline (Existing or Other Phase/Proposed) | Area Under Construction                 | Inlet Protection                              | Dry Native Grass Seed Mixture |



Certified by: David Hedlund

PUBLIC WORKS PROJECT NO. 84003001-22-058-C1  
 CLEAR CREEK WELCOME CENTER  
 VIGO COUNTY, INDIANA

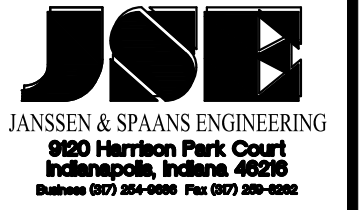
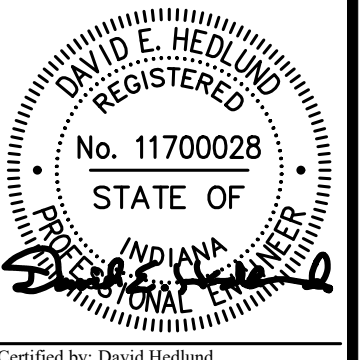
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 DEPARTMENT OF ADMINISTRATION  
**PUBLIC WORKS DIVISION**  
 ROOM 9407, INDIANA GOVERNMENT CENTER SOUTH  
 402 WEST WASHINGTON STREET  
 INDIANAPOLIS, INDIANA 46204  
 317-232-3000

Revisions:	
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Requestion Number:	
Account Number:	
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Drafter:	JRC
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Client Approval:	
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Building Reference:	
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### TEMPORARY EROSION CONTROL TABLE

STATION	LOCATION			PROTECTED RESOURCE FENCE	PROTECTED RESOURCE SIGN	INLET PROTECTION	DITCH INLET PROTECTION	TEMPORARY SEED	FERTILIZER	TEMPORARY MULCH	MANUFACTURED SURFACE PROTECTION PRODUCE	FILTER SOCK	TEMPORARY SILT FENCE	TEMPORARY GEOTEXTILES	TEMPORARY FILTER STONE	TEMPORARY CHECK DAM RIPRAP	TRAVERSABLE CHECK DAM	SEDIMENT TRAP	SEDIMENT BASIN	REMARKS	
	LEFT	MEDIAN	RIGHT																		
	LFT	EACH	EACH	EACH	LBS	TON	TON	SYS	LFT	LFT	SYS	TON	TON	EACH	EACH	EACH					
<b>PR-CC1</b>																					
19+96.33			X				1														
21+14.05 TO 22+46.55			X										130								
21+14.05 TO 22+46.55			X										137								
16+83.88 TO 66+60.81			X										4915								
19+37.78 TO 66+30.34	X												441								
19+37.78 TO 66+30.34	X												2126								
33+83.75	X					1															
34+00	X					1															
34+09.61			X			1															
34+79.41	X					1															
34+84.35	X					1															
35+34.75			X			1															
35+58.50	X					1															
36+16.20	X					1															
36+59.73			X			1															
36+84.78	X					1															
37+30.85	X					1															
37+38.15	X					1															
37+84.75			X			1															
38+93.86	X					1															
39+09.8			X			1															
39+67.05			X			1															
40+09.75	X					1															
40+16.06			X			1															
40+50.00	X					1															
40+59.65			X			1															
40+91.00			X			1															
41+05.25			X			1															
41+20.31			X			1															
41+51.61			X			1															
43+16.92	X					1															
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49+63.62	X					1															
49+89.57	X					1															
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50+79.70	X					1															
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52+15.60	X					1															
52+20.54	X					1															
52+44.30	X					1															
57+22.42	X					1															
57+21.14			X			1															
57+27.55			X			1															
57+29.00	X					1															
66+11.44			X			1	1														
<b>PR-CC3</b>																					
7+36.8	X					1															
10+47.14	X					1															
11+75.75	X					1															
13+02.36	X					1															
14+31.40		X				1															
TOTAL						57	6						7749								



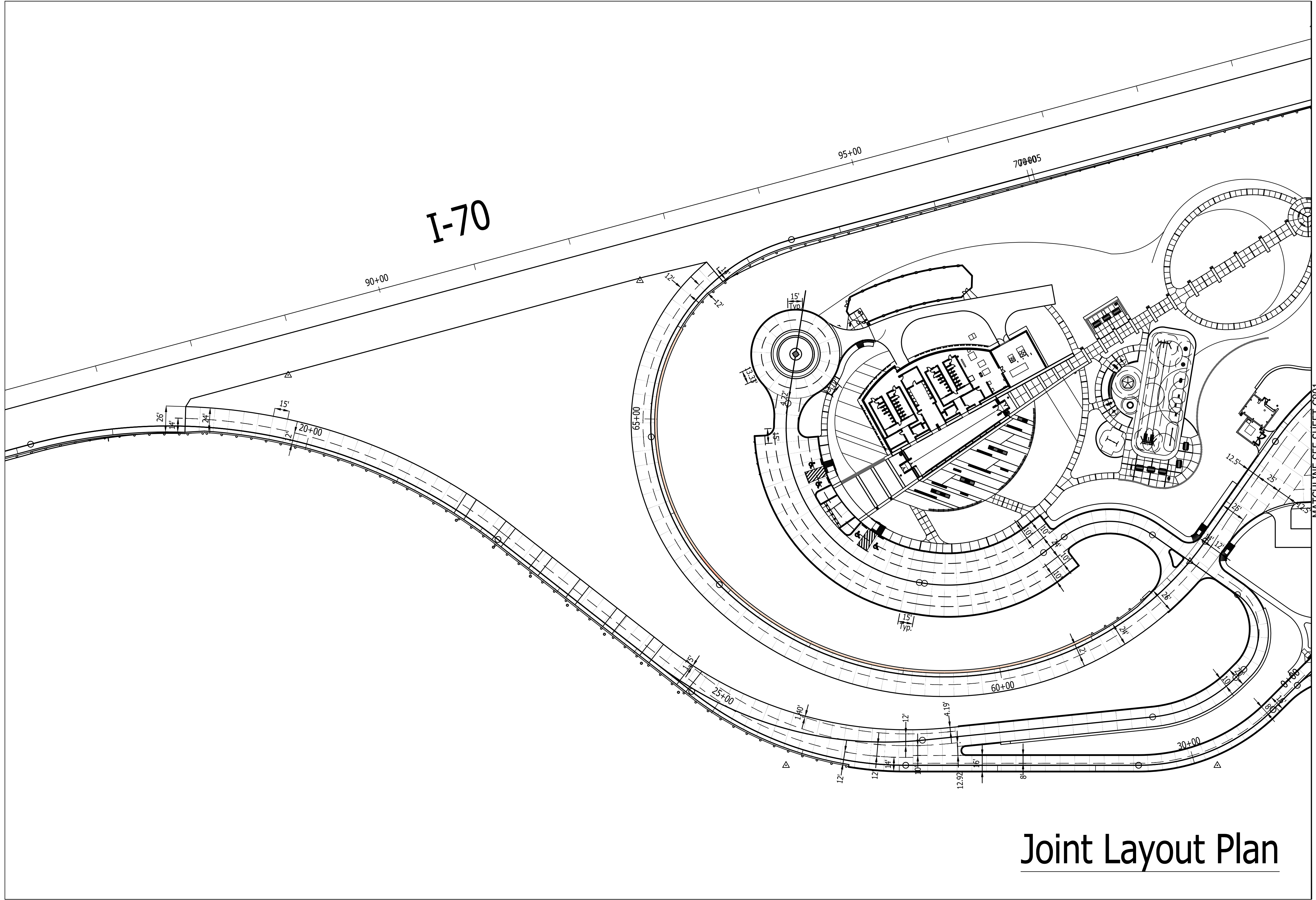
PUBLIC WORKS PROJECT NO. 84003001-22-058-C1  
 CLEAR CREEK WELCOME CENTER  
 VIGO COUNTY, INDIANA



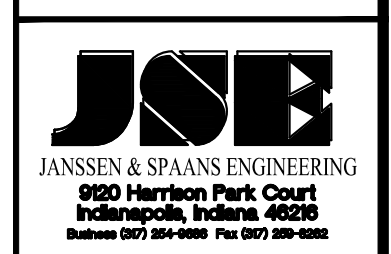
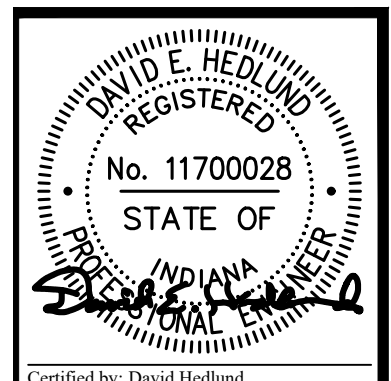
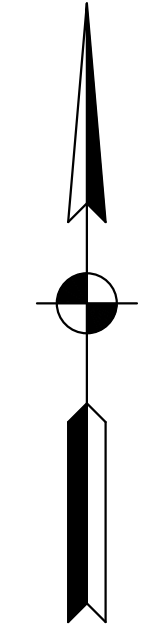
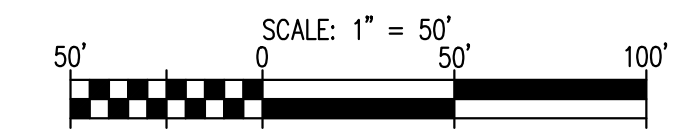
STATE OF INDIANA  
 DEPARTMENT OF ADMINISTRATION  
**PUBLIC WORKS DIVISION**  
 ROOM W407, INDIANA GOVERNMENT CENTER SOUTH  
 402 WEST WASHINGTON STREET  
 INDIANAPOLIS, INDIANA 46204  
 317-232-3000

Revisions:	
Project Number:	84003001-22-058-C1
Requestion Number:	
Account Number:	
Designer:	RJS
Drawing Date:	02/23/2023
Drafter:	JRC
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Client Approval:	
Reference Number:	1364
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Sheet:	79 of 155

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# Joint Layout Plan

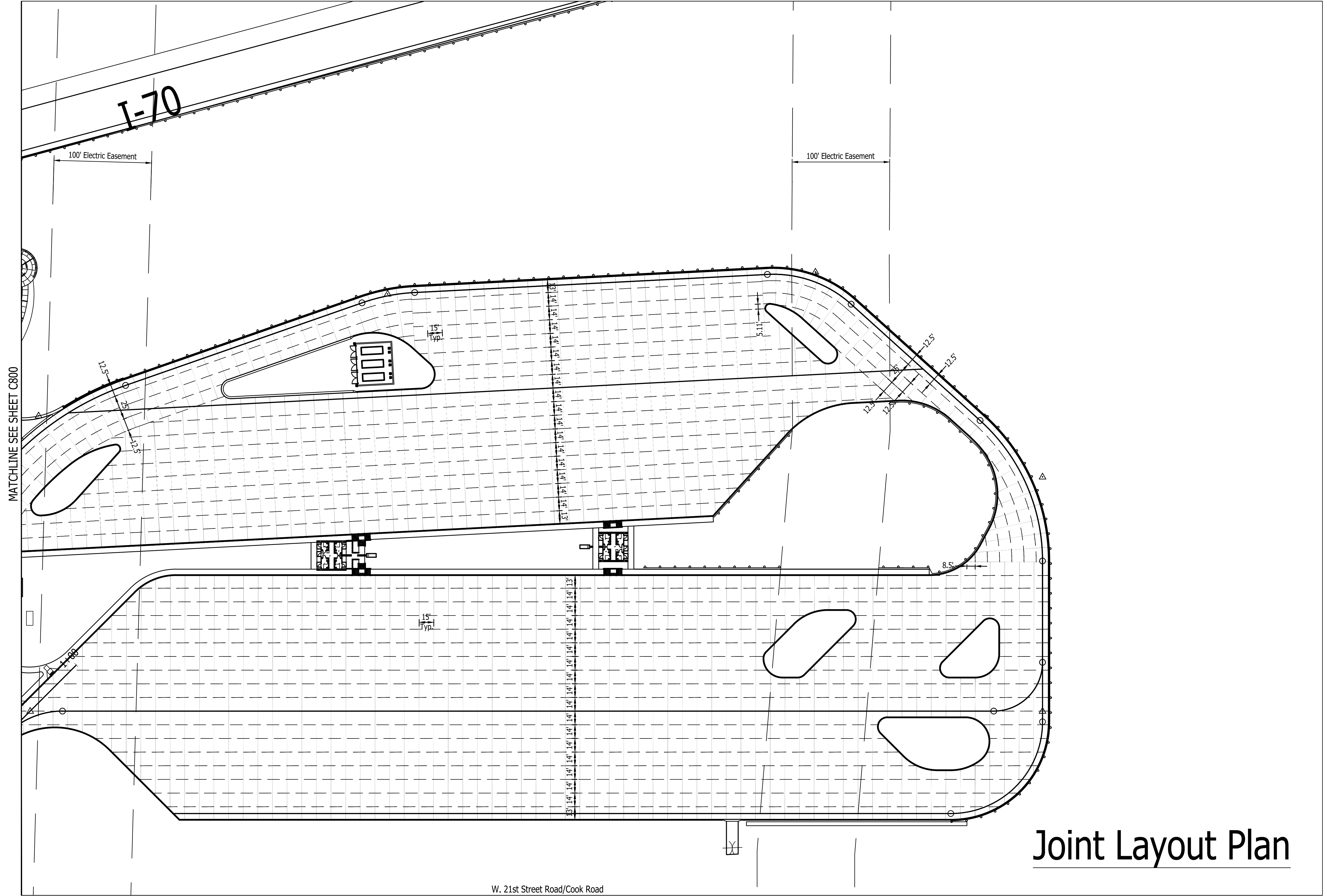


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 CLEAR CREEK WELCOME CENTER  
 WEST TERRA HAUTE, VIGO COUNTY, INDIANA

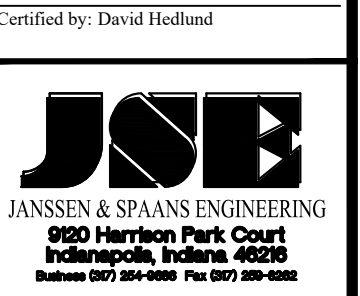
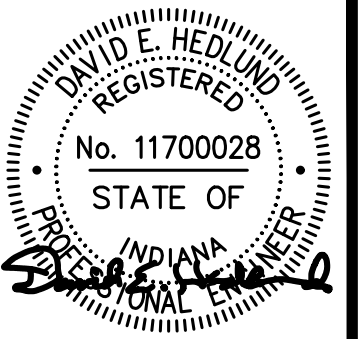
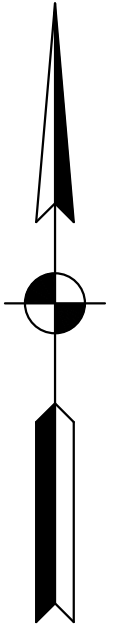
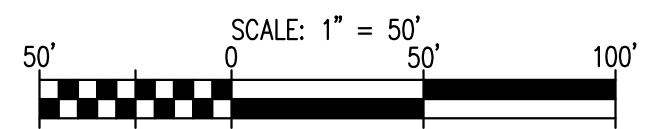


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Account Number:	
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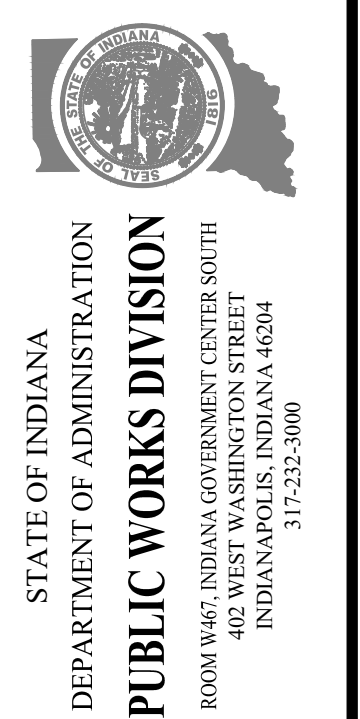
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# Joint Layout Plan



PUBLIC WORKS PROJECT NO. 8-4003001-22-058-C1  
CLEAR CREEK WELCOME CENTER  
VIGO COUNTY, INDIANA



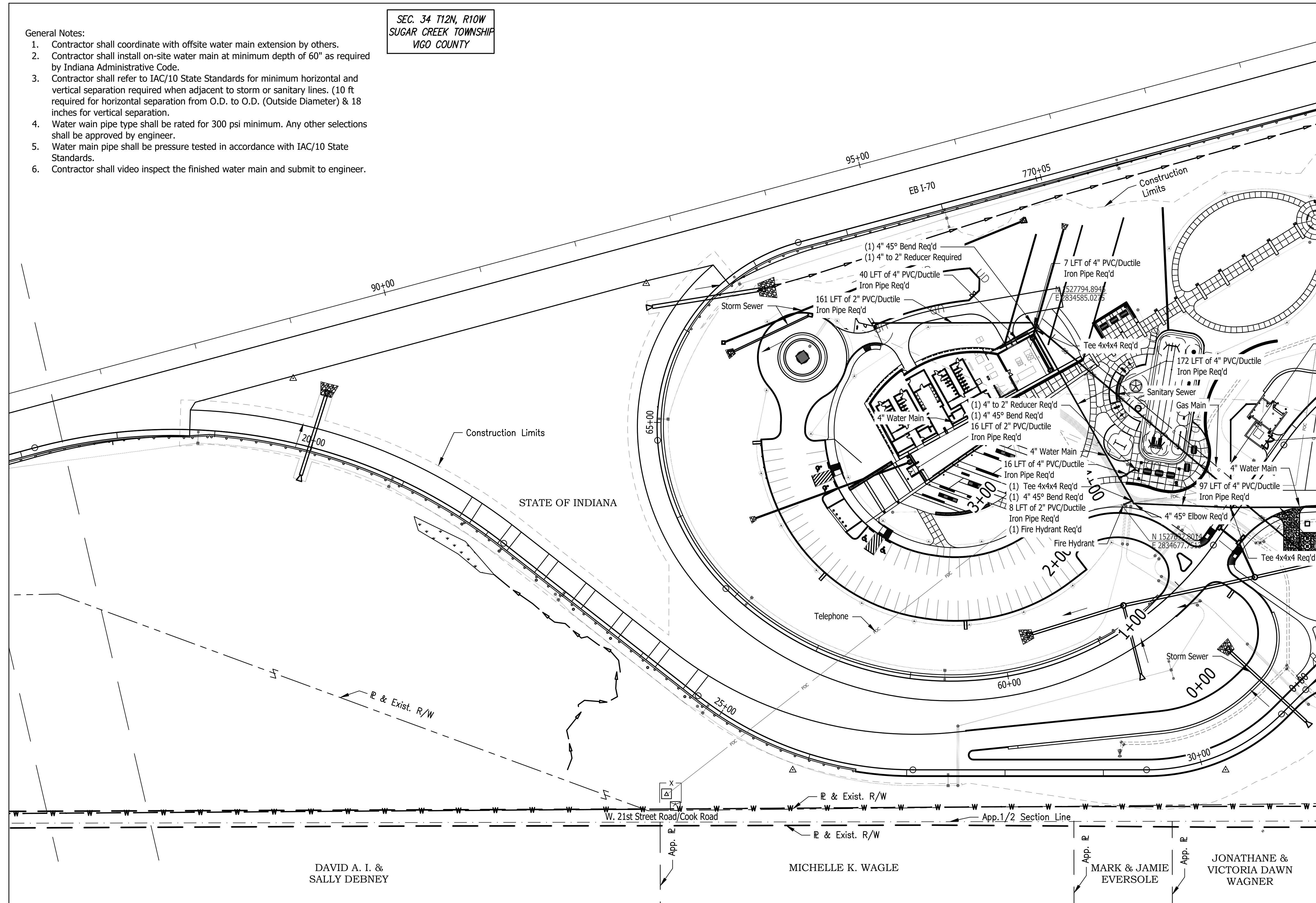
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Drawing Scale:	1"=50'
DAPW Approval:	
Client Approval:	
Reference Number:	1364
Building Reference:	
Drawing Number:	C801
Sheet:	82 of 155



**General Notes:**

1. Contractor shall coordinate with offsite water main extension by others.
2. Contractor shall install on-site water main at minimum depth of 60" as required by Indiana Administrative Code.
3. Contractor shall refer to IAC/10 State Standards for minimum horizontal and vertical separation required when adjacent to storm or sanitary lines. (10 ft required for horizontal separation from O.D. to O.D. (Outside Diameter) & 18 inches for vertical separation.
4. Water main pipe type shall be rated for 300 psi minimum. Any other selections shall be approved by engineer.
5. Water main pipe shall be pressure tested in accordance with IAC/10 State Standards.
6. Contractor shall video inspect the finished water main and submit to engineer.

SEC. 34 T12N, R10W  
SUGAR CREEK TOWNSHIP  
VIGO COUNTY



120 LFT of 2" PVC/Ductile Iron Pipe Req'd  
(1) 4" to 2" Reducer  
(2) 2" 45° Bent Req'd

98 LFT of 4" PVC/Ductile Iron Pipe Req'd

172 LFT of 4" PVC/Ductile Iron Pipe Req'd

7 LFT of 4" PVC/Ductile Iron Pipe Req'd

161 LFT of 2" PVC/Ductile Iron Pipe Req'd

40 LFT of 4" PVC/Ductile Iron Pipe Req'd

(1) 4" 45° Bend Req'd  
(1) 4" to 2" Reducer Required

(1) 4" 45° Bend Req'd  
(1) 4" 45° Bend Req'd  
16 LFT of 2" PVC/Ductile Iron Pipe Req'd

(1) 4" to 2" Reducer Req'd  
(1) 4" 45° Bend Req'd  
16 LFT of 4" PVC/Ductile Iron Pipe Req'd

(1) Tee 4x4x4 Req'd  
(1) 4" 45° Bend Req'd  
8 LFT of 2" PVC/Ductile Iron Pipe Req'd  
(1) Fire Hydrant Req'd

16 LFT of 4" PVC/Ductile Iron Pipe Req'd

97 LFT of 4" PVC/Ductile Iron Pipe Req'd

4" 45° Elbow Req'd

4" Water Main

4" Water Main

4" Water Main

Sanitary Sewer

Gas Main

Storm Sewer

Telephone

Fire Hydrant

Tee 4x4x4 Req'd

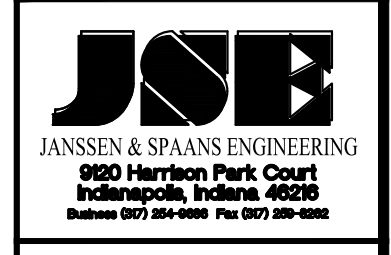
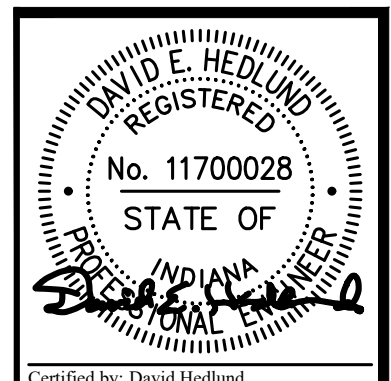
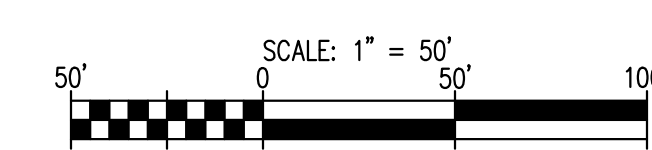
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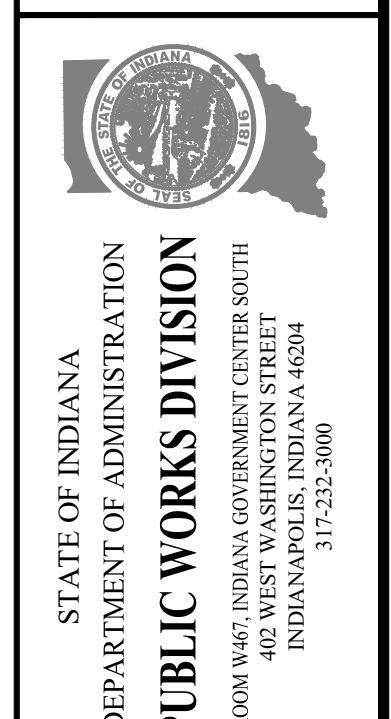
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MATCHLINE SEE SHEET C701

DAVID A. I. & SALLY DEBNEY      MICHELLE K. WAGLE      MARK & JAMIE EVERSOLE      JONATHANE & VICTORIA DAWN WAGNER



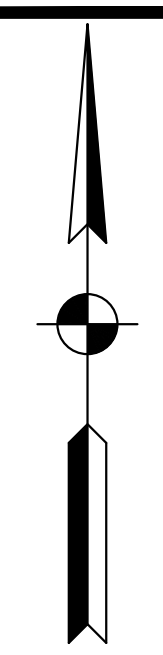
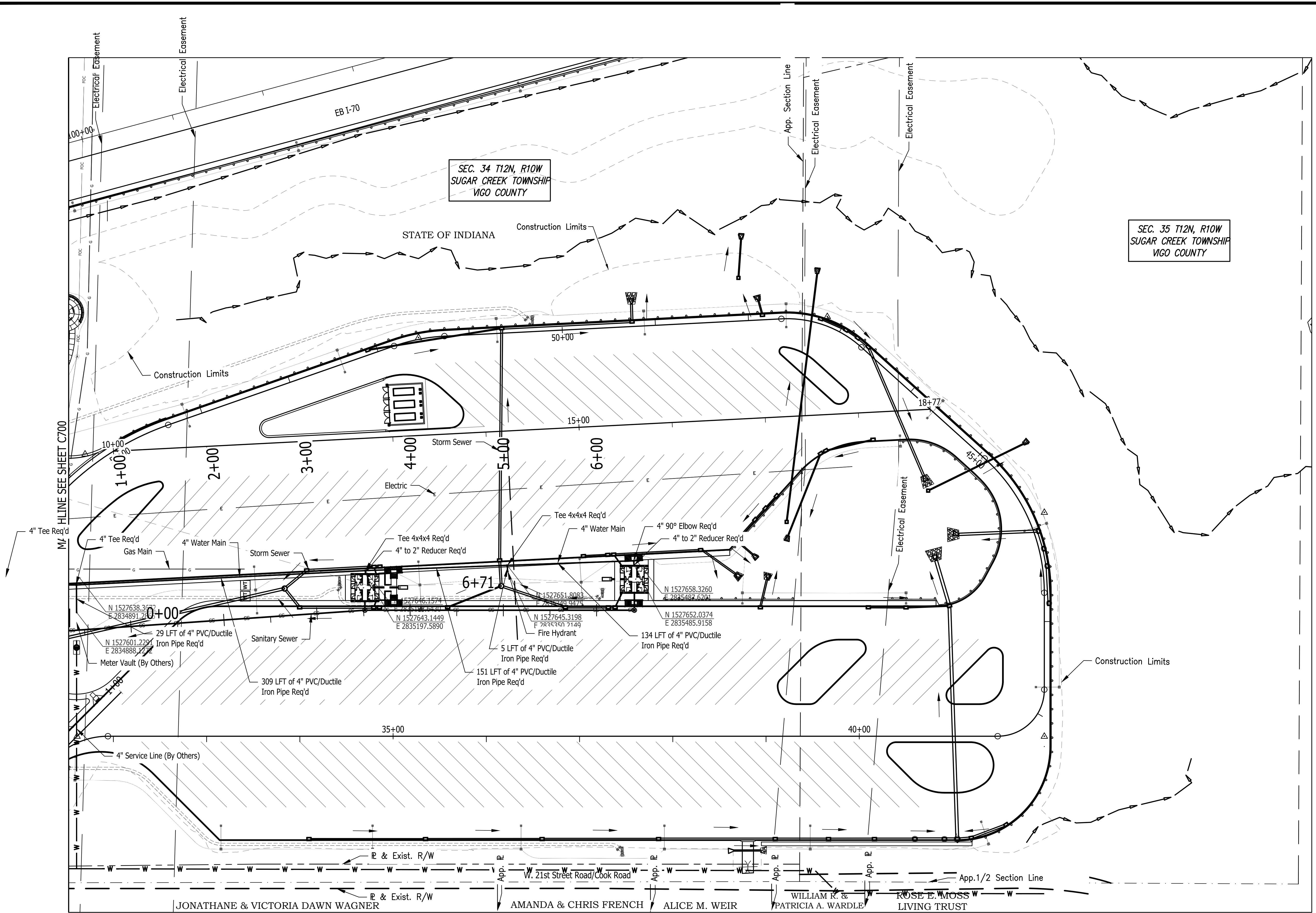
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CLEAR CREEK WELCOME CENTER  
VIGO COUNTY, INDIANA



Revisions:	
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Requestion Number:	
Account Number:	
Designer:	RJS
Drawing Date:	02/23/2023
Drafter:	JRC
Drawing Scale:	1"=50'
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Client Approval:	
Reference Number:	1364
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Sheet:	84 of 155

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DAVID E. HEDLUND  
 REGISTERED  
 No. 11700028  
 STATE OF  
 INDIANA  
 Certified by: David Hedlund

**JSE**  
 JANSSEN & SPAANS ENGINEERING  
 930 Harrison Park Court  
 Indianapolis, Indiana 46204  
 Business (317) 252-0400 Fax (317) 252-0401

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 LANDSCAPE ARCHITECTURE  
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 Indianapolis, IN 46204  
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 www.ratodesign.com

**Applied**  
 Engineering Services

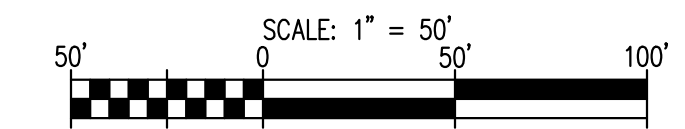
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 CLEAR CREEK WELCOME CENTER  
 VIGO COUNTY, INDIANA

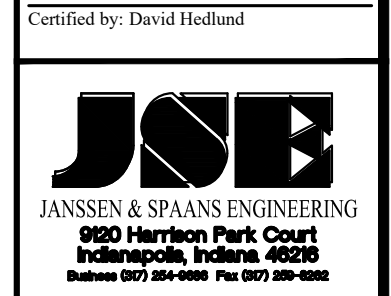
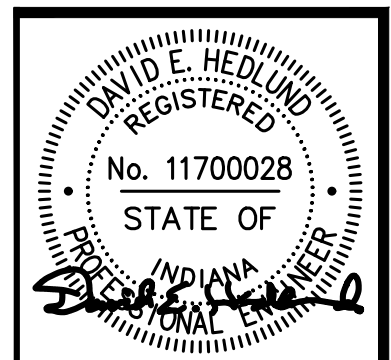


STATE OF INDIANA  
 DEPARTMENT OF ADMINISTRATION  
**PUBLIC WORKS DIVISION**  
 ROOM 9407, INDIANA GOVERNMENT CENTER SOUTH  
 402 WEST WASHINGTON STREET  
 INDIANAPOLIS, INDIANA 46204  
 317-232-3000

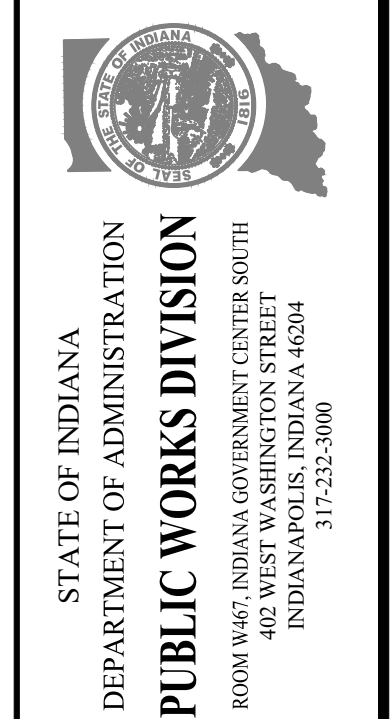
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Reference Number: **1364**  
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 Sheet: 85 of 155

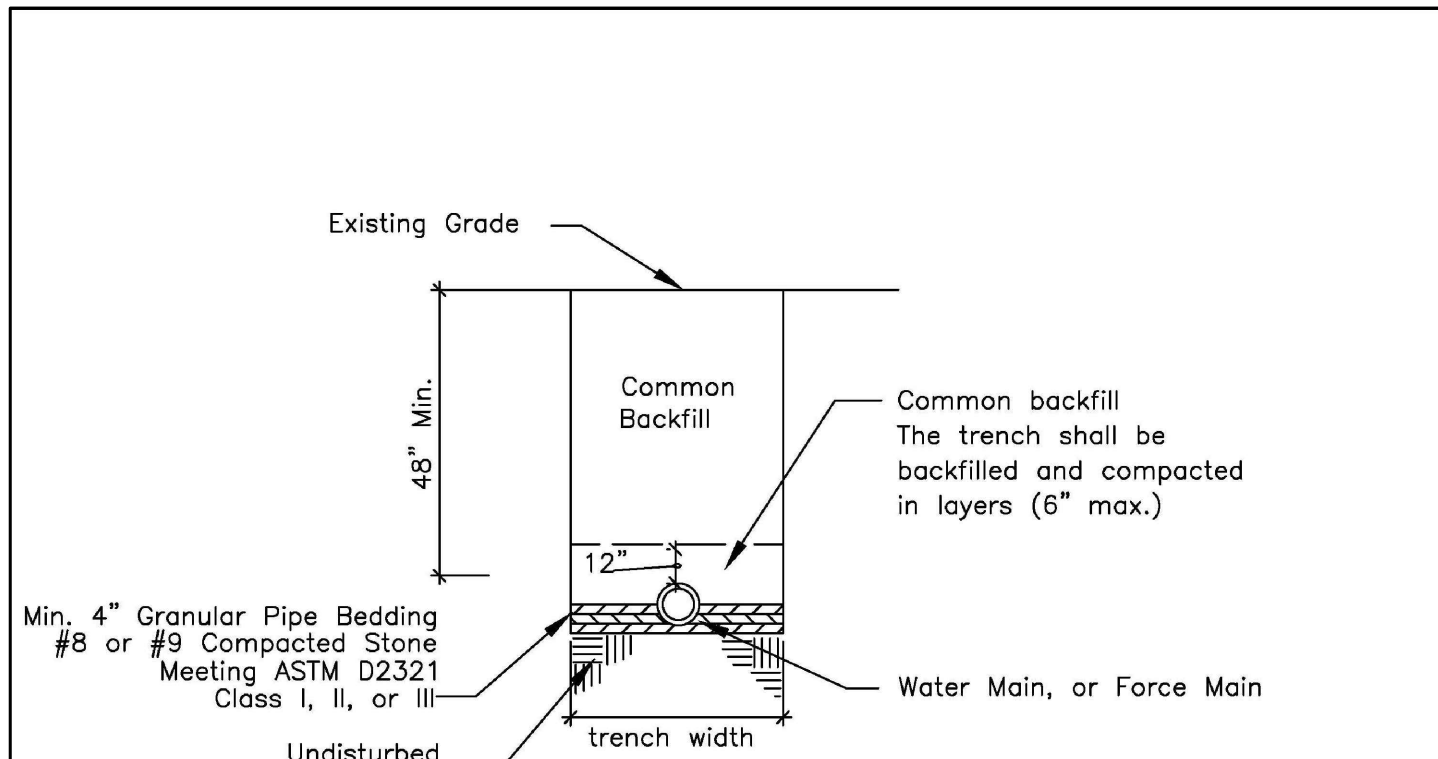
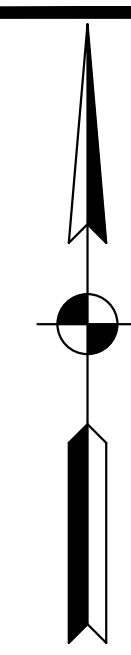




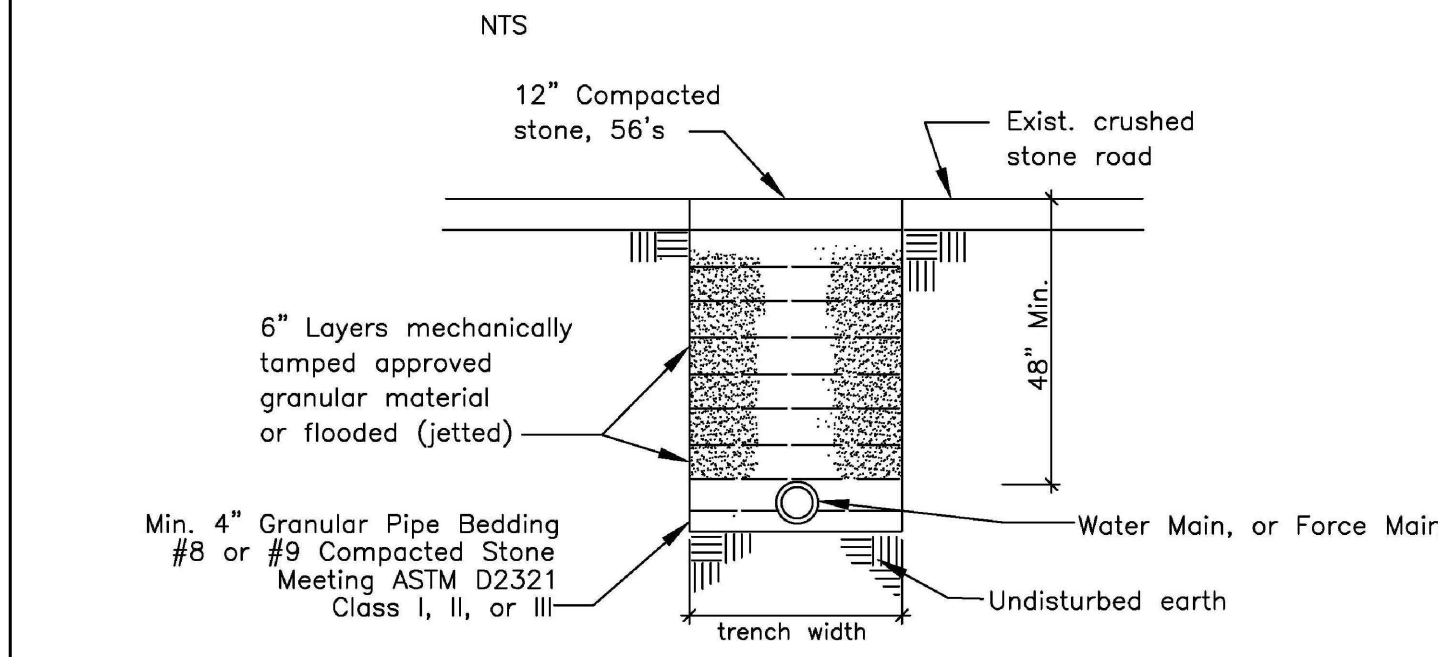
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 CLEAR CREEK WELCOME CENTER  
 VIGO COUNTY, INDIANA



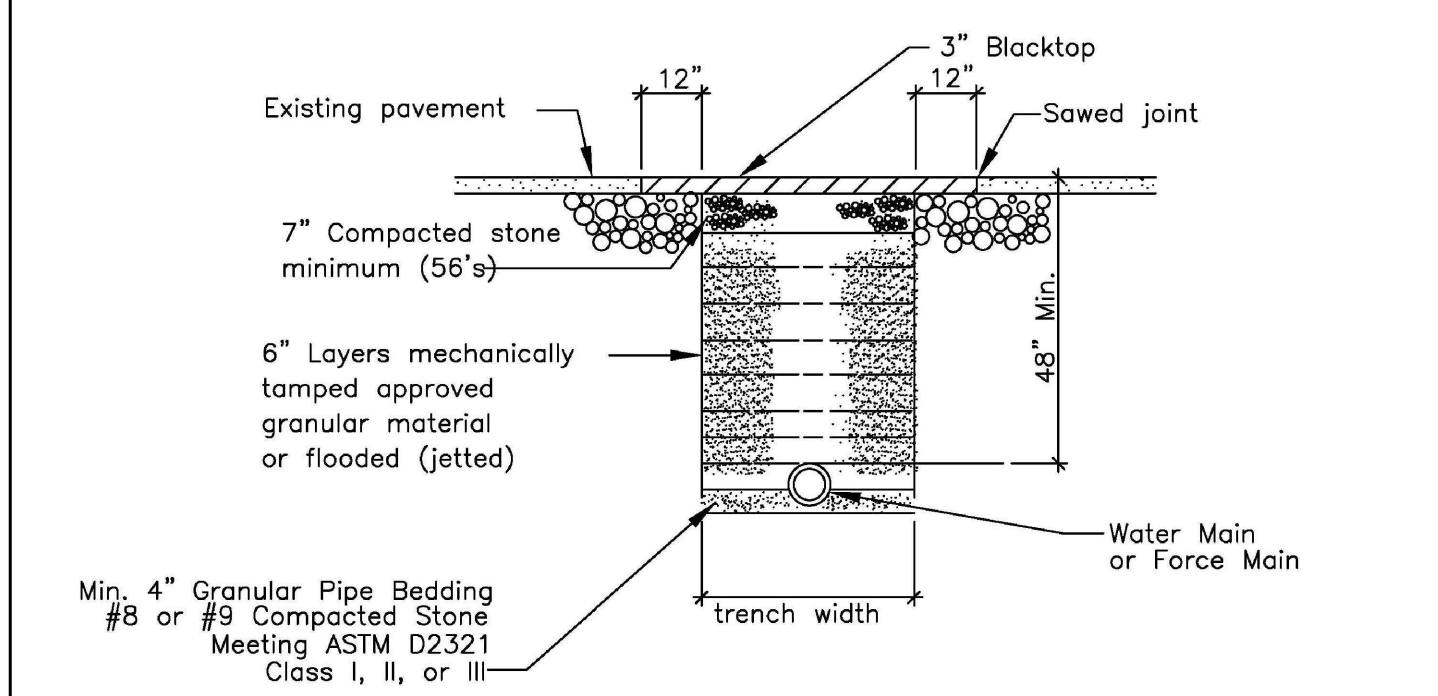
Project Number: 84003001-22-058-C1  
 Requisition Number:  
 Account Number:  
 Designer: RJS Drawing Date: 02/23/2023  
 Drafter: JRC Drawing Scale: N/A  
 DAPW Approval:  
 Client Approval:  
 Reference Number: 1364  
 Building Reference:  
 Drawing Number: C902  
 Sheet: 86 of 155



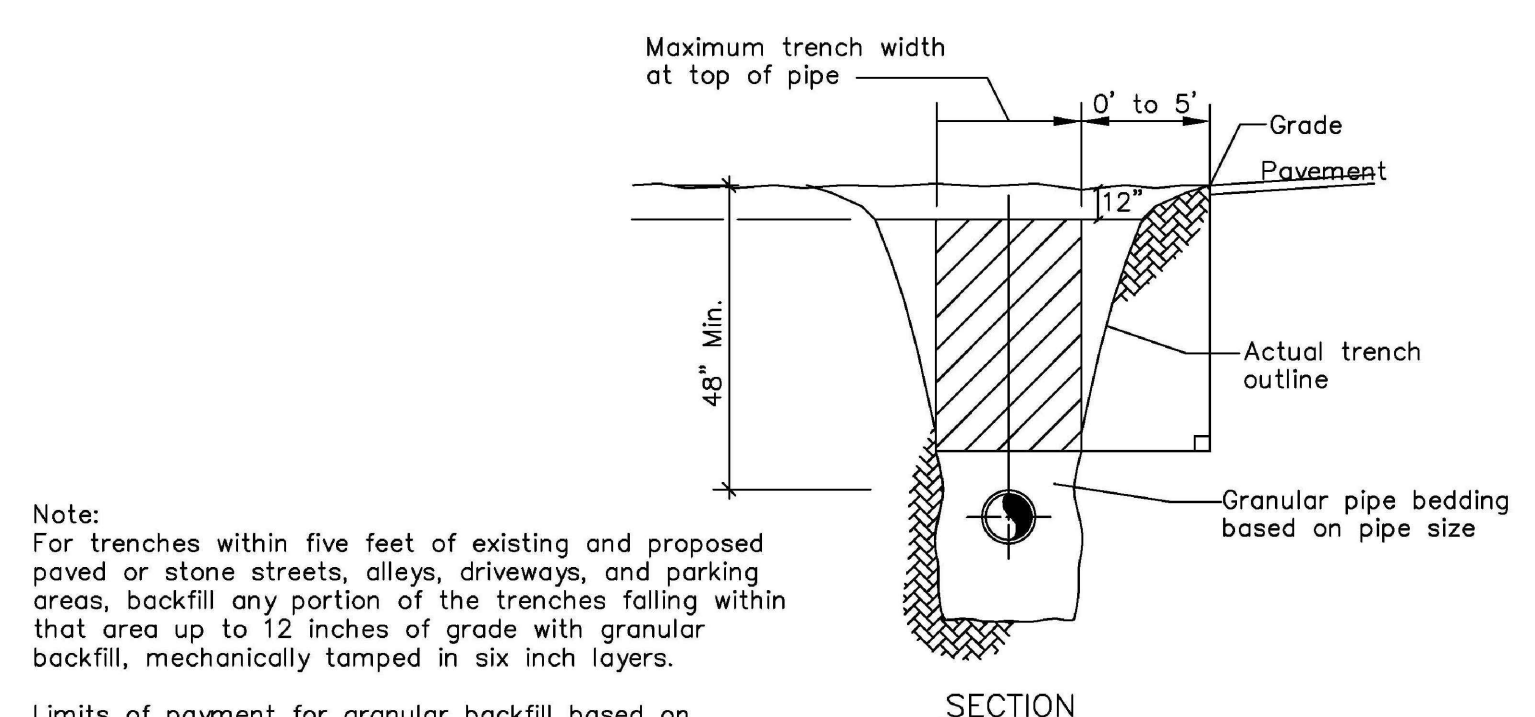
**Off Road Trench Detail**  
 NTS



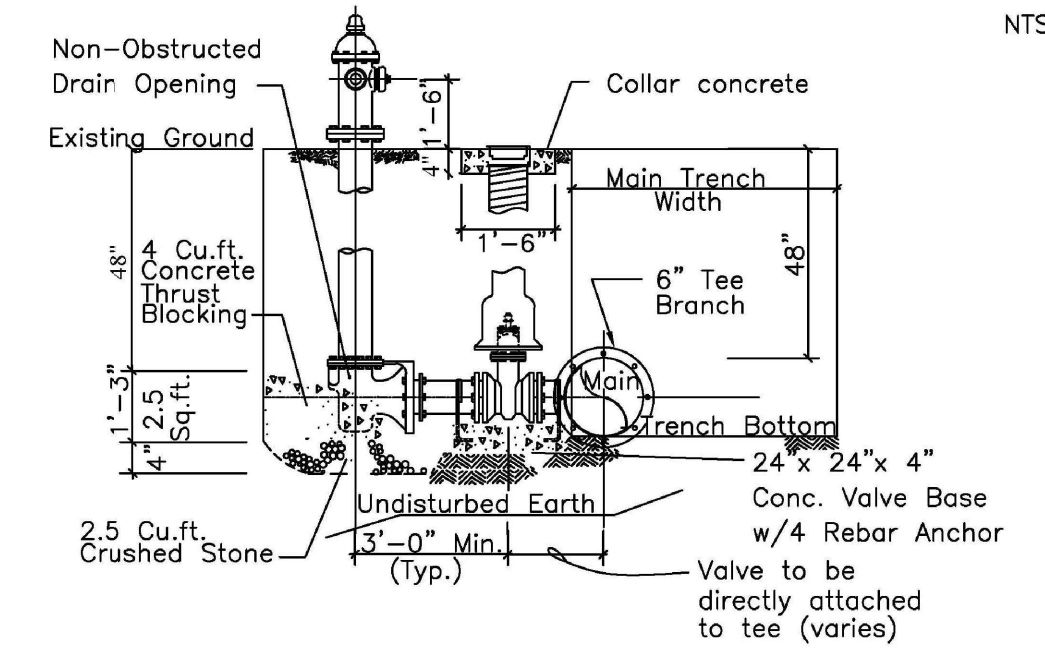
**Detail for Crossing A Stone Drive or Road (If Open Cut is allowed)**  
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**Detail for Crossing an Asphaltic Driveway or Road (If Open Cut)**  
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**Granular Backfill Within 5' of Pavement**  
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**Fire Hydrant Installation (Typ.)**  
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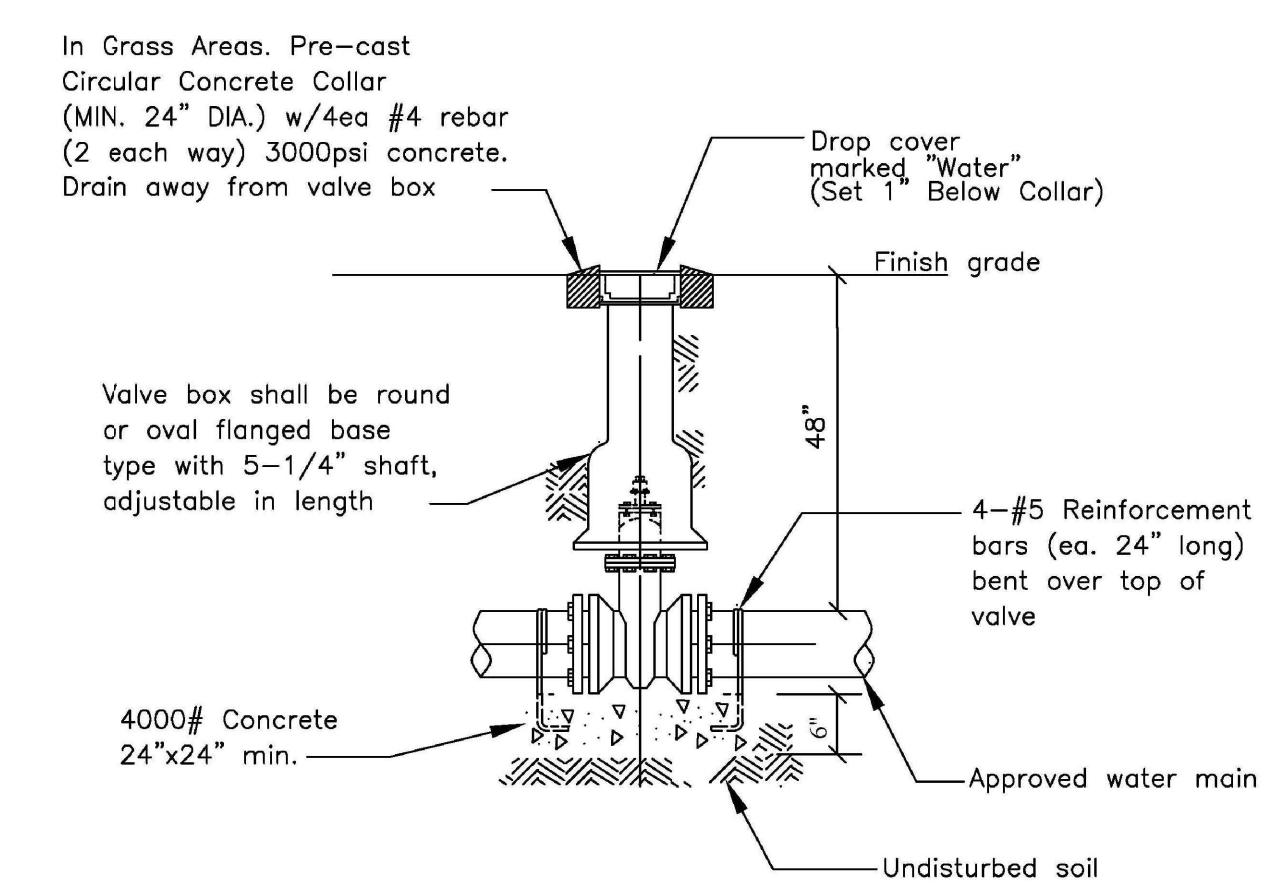
Note:  
 Fire hydrants shall be AWWA breakable type with 5 1/4" compression type main valve, 2-2 1/2" hose, nozzles, 1-4 1/2" streamer nozzle, 6" mechanical joint inlet and National Standards 1-1/2" Pentagon operating nut for installation in a 48" deep trench. Hydrant nozzle threading shall conform to specifications B26-1925 of ASA for the National Standard hose thread. Hydrant shall open to 'left and shall be rated for 150 lbs. working pressure'. Hydrants shall be Mueller Super Centurion 200A-423, or Waterous WB-67, or a utility approved equal. Flush Hydrants shall be Muller NO. A-411, M&H Style 33 or Utility Approves Equal.

Contractor shall ensure that drain opening drains into crushed stone fill.

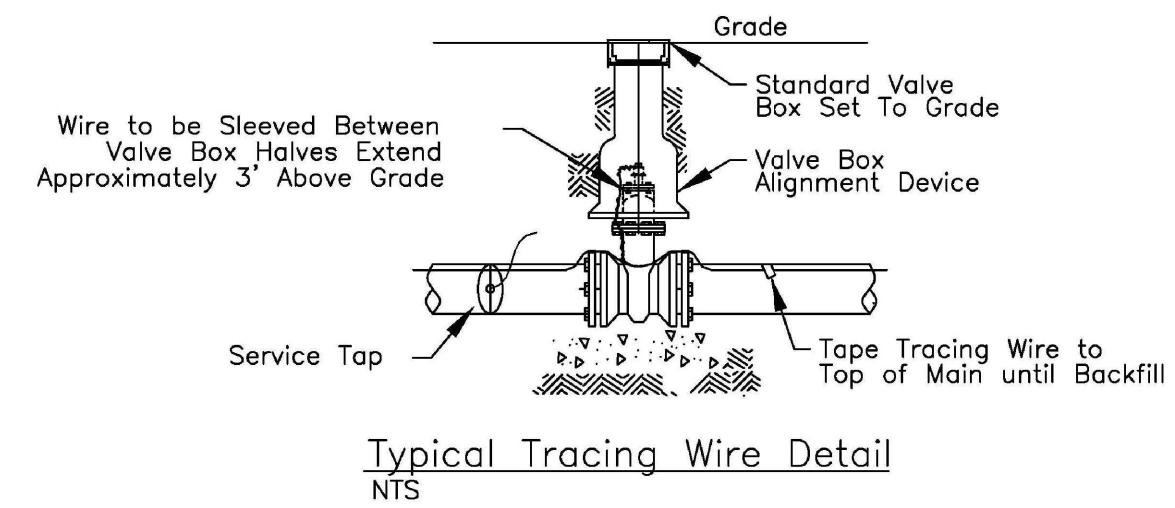
3/4" Tie Rods to be provided on each side of pipe between tee and valve and between hydrant and valve, or restrained joints.

Gate valves shall conform to latest specifications of AWWA, Section C-509 for resilient seated valves. Valves shall be non-rising stem type, open left, 2" square operating nut, standard mechanical joint, A-2370-20 as manufactured by Mueller Company, Decatur, Illinois, American Flow Control, or Clow.

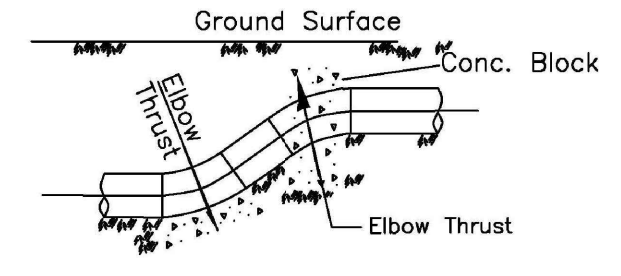
Valve boxes shall be two piece, 5 1/4" shaft Buffalo screw type as manufactured by Tyler-Union. The lid shall have the word "WATER" cast neatly and legibly in it.



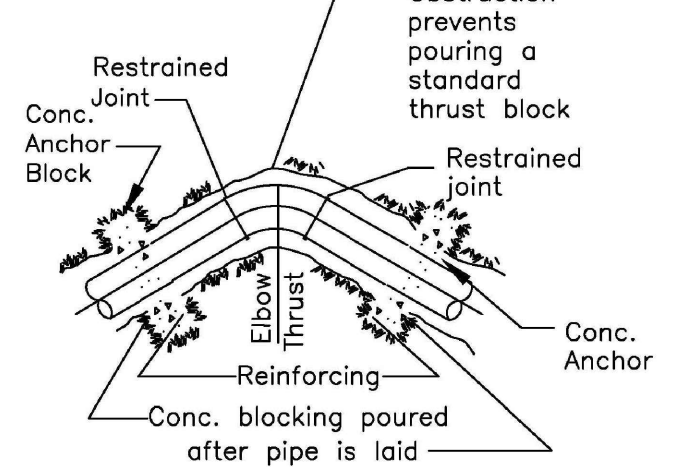
**Detail of Typical Gate Valve and Box Installation**  
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**Typical Tracing Wire Detail**  
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**Elevation of Vertical Elbow**  
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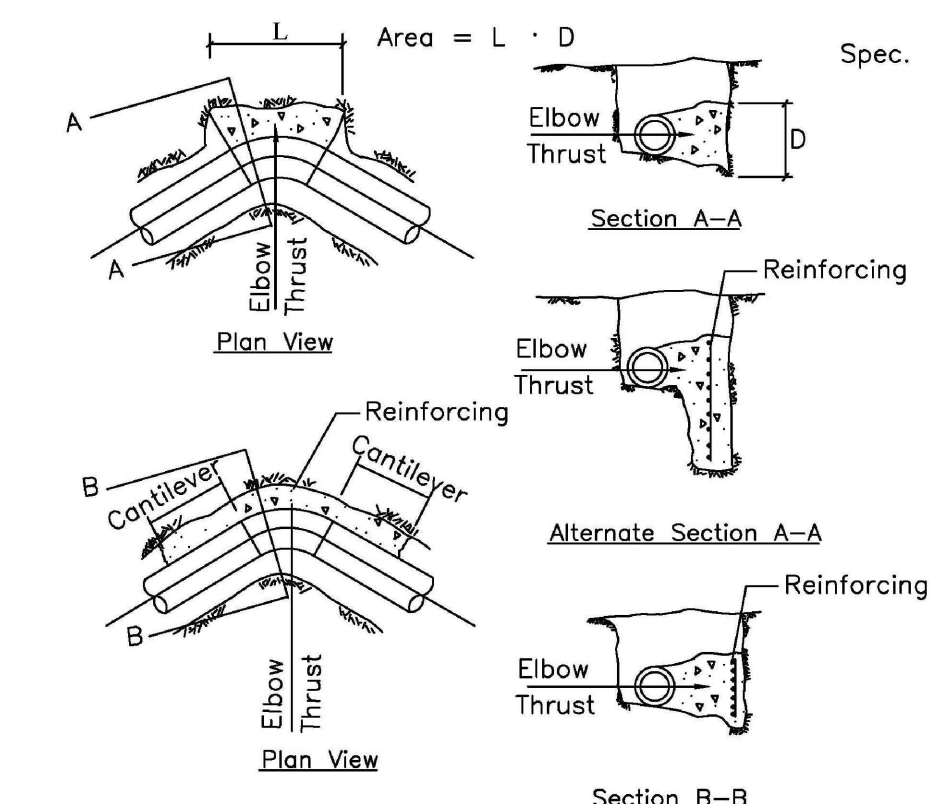


**Plan View Anchoring Details**  
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TABLE 'A'  
 Minimum Thrust Block Area (in sq. ft.)  
 Required at Bends and Dead Ends in Soils  
 with a Safe Bearing Load of 2,000 PSF

Norm. Pipe Dia. In.	Dead End or Tee	90° Bend	45° Bend	22 1/2° Bend	11 1/4° Bend
100 PSIG Maximum Internal Pressure					
2"-4"	1.0	2.0	1.0	1.0	0.5
6"	2.0	3.0	1.5	1.0	0.5
8"	3.5	4.5	2.5	1.5	1.0
10"	5.0	7.0	4.0	2.0	1.0
12"	7.0	10.0	5.5	3.0	1.5
14"	9.5	13.0	7.0	4.0	2.0
16"	12.0	17.0	9.5	5.0	2.5
24"	26.5	37.0	20.0	10.5	5.5
150 PSIG Maximum Internal Pressure					
2"-4"	1.5	2.5	1.5	1.0	0.5
6"	3.0	4.0	2.5	1.5	0.5
8"	5.0	7.0	4.0	2.0	1.0
10"	7.5	10.5	5.5	3.0	1.5
12"	10.5	14.5	8.0	4.0	2.0
14"	14.0	19.5	10.5	5.5	3.0
16"	18.0	25.5	14.0	7.0	3.5
24"	39.5	55.5	30.0	15.5	8.0
200 PSIG Maximum Internal Pressure					
2"-4"	2.0	3.0	2.0	1.0	1.0
6"	4.0	5.5	3.0	1.5	1.0
8"	6.5	9.0	5.0	2.5	1.5
10"	10.0	14.0	7.5	4.0	2.0
12"	14.0	19.5	10.5	5.5	3.0
14"	18.5	26.0	14.0	7.5	4.0
16"	24.0	34.0	18.5	9.5	5.0
24"	52.5	74.0	40.0	20.5	10.5
250 PSIG Maximum Internal Pressure					
2"-4"	4.0	5.0	3.0	1.5	1.0
6"	5.0	7.0	4.0	2.0	1.0
8"	8.0	11.5	6.5	3.5	2.0
10"	12.0	17.0	9.5	5.0	2.5
12"	17.5	24.5	13.0	7.0	3.5
14"	23.0	32.5	17.5	9.0	4.5
16"	30.0	42.0	23.0	12.0	6.0
24"	65.5	92.5	50.0	25.5	13.0
300 PSIG Maximum Internal Pressure					
2"-4"	5.0	6.5	3.5	2.0	1.0
6"	6.0	8.0	4.5	2.5	1.0
8"	10.0	14.0	7.5	4.0	2.0
10"	14.5	20.5	11.0	6.0	3.0
12"	20.5	29.0	16.0	8.0	4.0
14"	28.0	39.0	21.0	11.0	5.5
16"	36.0	50.5	27.5	14.0	7.0
24"	78.5	111.0	60.0	31.0	15.5
350 PSIG Maximum Internal Pressure					
2"-4"	6.0	8.0	4.0	2.5	1.0
6"	6.5	9.5	5.0	3.0	1.5
8"	11.5	16.0	9.0	4.5	2.5
10"	17.0	24.0	13.0	7.0	3.5
12"	24.0	34.0	18.5	9.5	5.5
14"	32.5	45.5	25.0	13.0	6.5
16"	42.0	59.0	32.0	16.5	8.5
24"	91.5	129.5	70.0	36.0	18.0

NOTE: All bends 11 1/4" and larger, including tees, shall be anchored against thrust.



**Thrust Blocking Details**  
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Note:  
 RESTRAINED JOINTS MAY BE USED IN PLACE OF THRUST BLOCKING  
 SEE SHEET 6 FOR REQUIRED LENGTHS OF RESTRAINED JOINT PIPE.

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