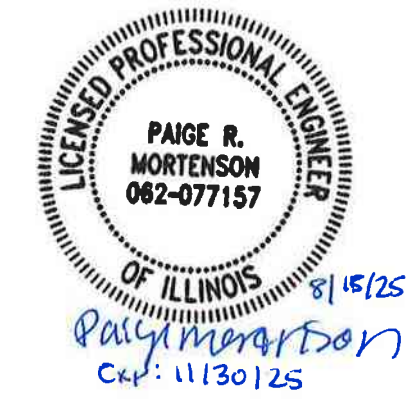


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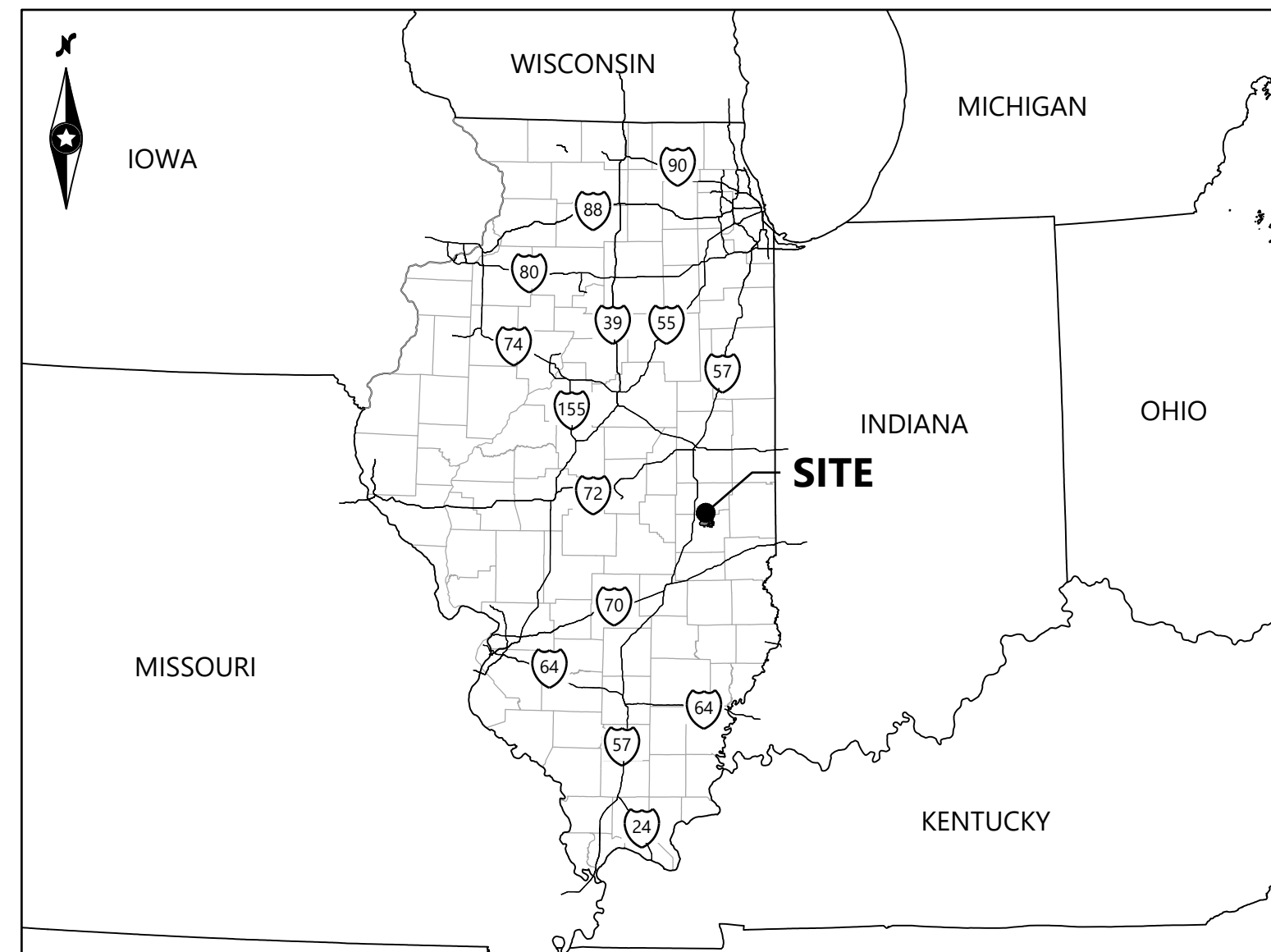
REVISIONS:					
#	DATE	COMMENT	BY	CHK	APR
0	07/25/2025	ISSUED FOR CONSTRUCTION	SL	GN	PM
1	07/29/2025	UPDATED ACCESS ROAD T-39/45	SL	GN	PM
2	08/08/2025	UPDATED TURBINE T-39/47	DM	GN	PM
3	08/15/2025	DFP REVISION	GN	PM	GN

Coles Wind Project

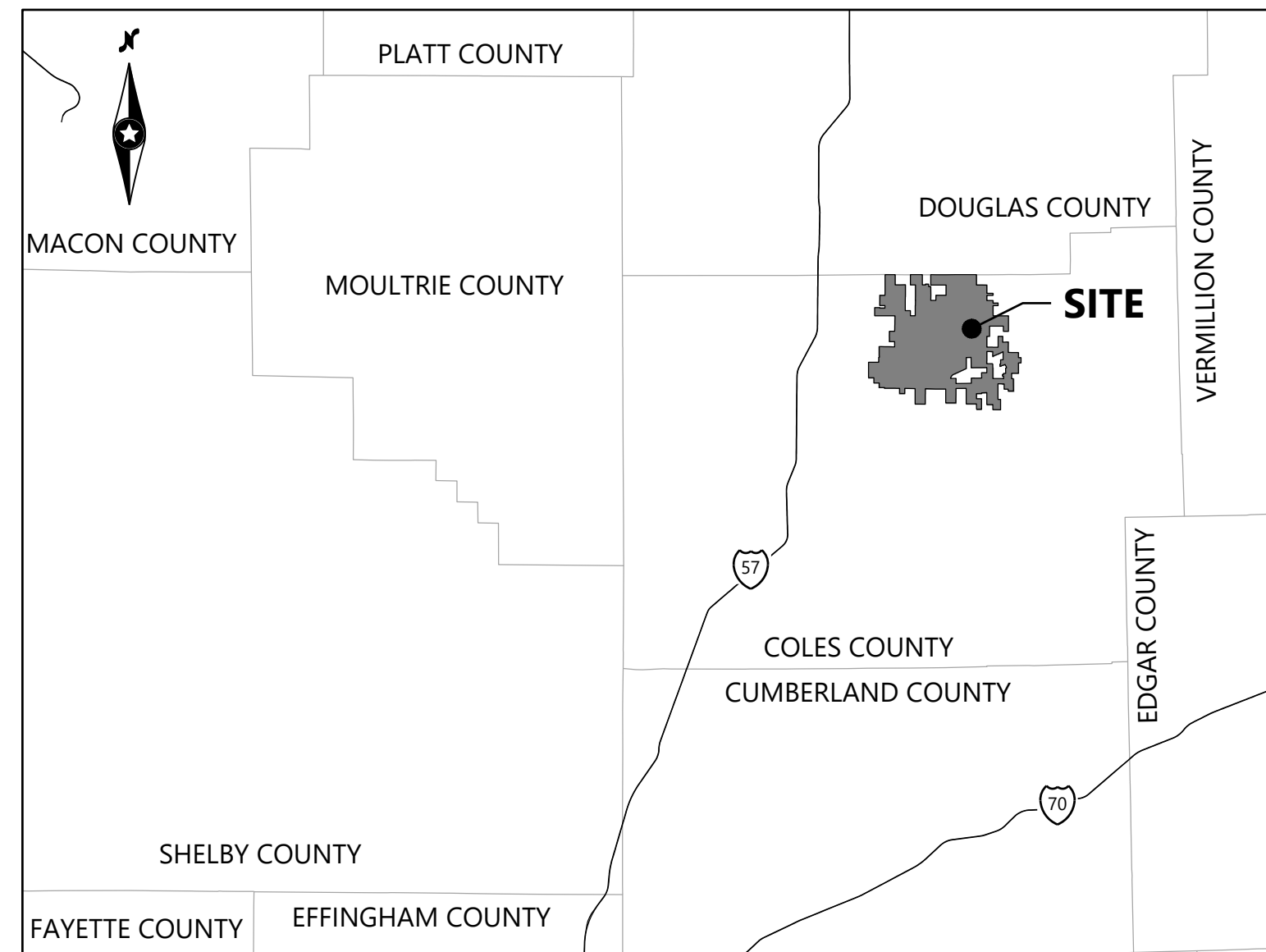
Coles County, Illinois

Issued For Construction

REGIONAL MAP



VICINITY MAP



DATA SET INFORMATION			
Coordinate System	NSRS11 Illinois State Planes, East Zone, US Foot		
BASE FILE	FILE NAME / NOTES	PROVIDER	DATE
AERIAL IMAGE	0042789.01V-AERIAL	BEARING TREE LAND SURVEY	4/22/2025
LAND CONTROL	41659.112-XP Survey	Timmons	5/1/2025
ALTA SURVEY	41659.112-XP Survey	Timmons	5/1/2025
TOPOGRAPHY	140351_001_140341_001_0_0_0 (1/15)	APEX	1/16/2024
TURBINE ARRAY	CLW-LAY-037-L3b_plusADLS_20250625	APEX	6/25/2025
UNDERGROUND COLLECTION	COLES WIND_COLLECTION LINES	APEX	7/22/2025
GEN-TIE	*	*	*
STREAMS/WETLANDS	Wetlands_UseConstructability	APEX	1/31/2025
CULTURAL RESOURCES	Coles_ENVR_Restrictions_20250130	APEX	1/31/2025
BIOLOGICAL	Coles_ENVR_Restrictions_20250130	APEX	1/31/2025
FEMA INFO	41659.112-FLOOD	Timmons	5/1/2025
GEOTECHNICAL REPORT	GE2502017 Coles Wind_Geotechnical Report_20250716	RRC	6/17/2025
DRAIN TILE	CLW_Drain_Tile	DIGS PINION	5/1/2025
LIDAR TOWER	CLW_PermLIDAR_L_T57_V2_20250702	APEX	7/2/2025

CONTACT INFORMATION				
NAME	COMPANY NAME	PROJECT ROLE	EMAIL	PHONE
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Coles Wind Project

Coles County, Illinois

Cover

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SHEET: C001

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Turbine Coordinate Table

Turbine ID	Northing	Easting	Longitude	Latitude
T1	1086446.293	1025171.585	39.649995	-88.188005
T2	1085249.582	1021000.796	39.646727	-88.202823
T3	1085425.280	1027044.849	39.647183	-88.181358
T4	1082842.162	1021265.468	39.640117	-88.201895
T5	1083491.971	1016925.275	39.641917	-88.217304
T6	1083073.452	1014182.684	39.640777	-88.227044
T7	1081145.427	1014468.183	39.635483	-88.226039
T8	1079686.475	1013630.367	39.631481	-88.229020
T10	1079784.899	1024850.357	39.631708	-88.189183
T11	1078445.185	1027342.004	39.628019	-88.180345
T12	1077801.357	1025245.520	39.626261	-88.187792
T13	1078818.847	1015272.026	39.629093	-88.223195
T15	1077893.245	1011646.472	39.626564	-88.236070
T17	1073594.154	1019493.913	39.614735	-88.208232
T18	1075902.756	1022151.437	39.621062	-88.198786
T19	1072755.341	1024943.763	39.612409	-88.188892
T20	1072723.026	1027385.286	39.612310	-88.180226
T22	1084781.099	1031741.597	39.645392	-88.164683
T23	1086382.196	1032196.225	39.649785	-88.163058
T25	1083644.427	1037199.144	39.642241	-88.145311
T26	1083164.440	1035764.251	39.640932	-88.150410
T28	1083078.508	1030090.699	39.640726	-88.170557
T29	1080234.154	1032719.057	39.632904	-88.161243
T30	1079123.368	1039051.750	39.629819	-88.138768
T31	1075164.957	1043606.239	39.618923	-88.122631
T33	1074596.239	1038120.492	39.617396	-88.142108
T34	1073270.137	1034805.112	39.613774	-88.153886
T35	1075197.976	1032304.360	39.619080	-88.162749
T36	1069485.802	1033104.560	39.603394	-88.159948
T38	1067524.972	1037355.112	39.597987	-88.144878
T39A	1064990.313	1044196.196	39.590987	-88.120622
T40	1064973.067	1035540.949	39.590992	-88.151334
T43	1064584.088	1029561.194	39.589955	-88.172555
T44	1063057.876	1029066.694	39.585767	-88.174319
T45	1062687.935	1045100.695	39.584660	-88.117432
T46	1059020.329	1044888.402	39.574592	-88.118216
T47A	1058372.672	1040837.175	39.572840	-88.132593
T48	1055559.991	1040883.434	39.565118	-88.132451
T49	1057095.360	1039645.755	39.569341	-88.136830
T51	1058485.788	1034537.182	39.573187	-88.154941
T52	1055648.516	1035252.157	39.565394	-88.152425
T53	1058507.850	1030317.664	39.573270	-88.169910
T54	1055493.568	1021483.819	39.565034	-88.201263
T55	1058440.067	1021311.981	39.573124	-88.201857
T56	1058888.597	1019453.521	39.574363	-88.208448
T57	1058901.541	1016829.155	39.574408	-88.217758
T58	1061227.487	1010437.258	39.580814	-88.240424
T59	1063578.790	1011716.182	39.587266	-88.235878
T60	1062878.530	1018553.414	39.585320	-88.211622
T61	1069985.543	1018780.592	39.604831	-88.210781
T62	1069550.653	1015904.392	39.603647	-88.220991

COORDINATE SYSTEM: NSRS 2011 ILLINOIS STATE PLANS, EAST ZONE, US ZONE

Sheet List Table			
Sheet Number	Sheet Title	Last Rev Date	Last Rev Numb
C001	Cover	08/15/2025	3
C002	Sheet Index and Turbine Table	08/15/2025	3
C003	Construction Tables	08/15/2025	3
C200	Overall Site Plan	08/15/2025	3
C201	Turbine Component Delivery Flow Plan	08/15/2025	3
C300	Overall Site Index Plan	08/15/2025	3
C301	Site Plan - T5, T6	08/15/2025	3
C302	Site Plan - T2, T4	08/15/2025	3
C303	Site Plan - T1, T3	08/15/2025	3
C304	Site Plan - T21, T22, T23, T27, T28	08/15/2025	3
C305	Site Plan - T24, T25, T26	08/15/2025	3
C306	Site Plan - T15	08/15/2025	3
C307	Site Plan - T7, T8, T13, T14	08/15/2025	3
C308	Site Plan - T9	08/15/2025	3
C309	Site Plan - T10, T11, T12	08/15/2025	3
C310	Site Plan - T29	08/15/2025	3
C311	Site Plan - T30	08/15/2025	3
C312	Site Plan - T16	08/15/2025	3
C313	Site Plan - T17, T18	08/15/2025	3
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C316	Site Plan - T32, T33, T34	08/15/2025	3
C317	Site Plan - T31	08/15/2025	3
C318	Site Plan - T62	08/15/2025	3
C319	Site Plan - T61	08/15/2025	3
C320	Site Plan - T36	08/15/2025	3
C321	Site Plan - T37, T38	08/15/2025	3
C322	Site Plan - T58, T59	08/15/2025	3
C323	Site Plan - T60	08/15/2025	3
C324	Site Plan - ADLS	08/15/2025	3
C325	Site Plan - T41, T42, T43, T44	08/15/2025	3
C326	Site Plan - T40	08/15/2025	3
C327	Site Plan - T39, T45	08/15/2025	3
C328	Site Plan - T57	08/15/2025	3
C329	Site Plan - T54, T55, T56	08/15/2025	3
C330	Site Plan - T53	08/15/2025	3
C331	Site Plan - T50, T51, T52	08/15/2025	3
C332	Site Plan - T46, T47, T48, T49	08/15/2025	3
C333	O&M Grading Sheet	08/15/2025	3
C334	Laydown Yard Grading Sheet	08/15/2025	3
C501	Public Improvement Intersection - 1	08/15/2025	3
C502	Public Improvement Intersection - 2	08/15/2025	3
C503	Public Improvement Intersection - 3	08/15/2025	3
C504	Public Improvement Intersection - 4	08/15/2025	3
C505	Public Improvement Intersection - 5 & 6	08/15/2025	3
C506	Public Improvement Intersection - 7	08/15/2025	3
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C508	Public Improvement Intersection - 9	08/15/2025	3
C509	Public Improvement Intersection - 10	08/15/2025	3
C510	Public Improvement Intersection - 11	08/15/2025	3
C511	Public Improvement Intersection - 12	08/15/2025	3
C512	Public Improvement Intersection - 13	08/15/2025	3
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C700	Construction Details - 1	08/15/2025	3
C701	Construction Details - 2	08/15/2025	3
C702	Construction Details - 3	08/15/2025	3
C703	Construction Details - 4	08/15/2025	3
C704	Construction Details - 5	08/15/2025	3
C705	Construction Details - 6	08/15/2025	3
C706	Construction Details - 7	08/15/2025	3
C707	Construction Details - 8	08/15/2025	3
C708	Construction Details - 9	08/15/2025	3
C709	Construction Details - 10	08/15/2025	3
C710	Construction Details - 11	08/15/2025	3
C711	Construction Details - 12	08/15/2025	3
C712	Construction Details - 13	08/15/2025	3
C713	Construction Details - 14	08/15/2025	3
C714	Construction Notes	08/15/2025	3
C715	Erosion & Sediment Control Notes	08/15/2025	3
C716	Cement Stabilization Notes	08/15/2025	3



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#	DATE	COMMENT	BY	CHK	APR
0	07/25/2025	ISSUED FOR CONSTRUCTION	SL	GN	PM
1	07/29/2025	UPDATED ACCESS ROAD T-39/45	SL	GN	PM
2	08/08/2025	UPDATED TURBINE T-39/47	DM	GN	PM
3	08/15/2025	DFP REVISION	GN	PM	GN

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Sheet Index and Turbine Table

ISSUED FOR CONSTRUCTION

DATE: 08/15/2025

SHEET: C002

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TABLE 1: DRAINAGE CROSSING TABLE

Crossing ID	Culvert (10-year sizing)	LWC (10-year sizing)	LWC Length	Detail Reference	Plan Sheet Number
	Diameter (in)	(type)	(ft)		
DC-01	N/A	STANDARD DUTY	355	DN-01	C302
DC-04	N/A	STANDARD DUTY	670	DN-01	C304
DC-05	1-48"; 2-36"; 3-30"	STANDARD DUTY	50	DN-03	C304
DC-07	N/A	STANDARD DUTY	40	DN-01	C305
DC-08	1-36"; 2-24"; 4-18"	STANDARD DUTY	30	DN-03	C309
DC-09	N/A	STANDARD DUTY	345	DN-01	C309
DC-10	N/A	STANDARD DUTY	65	DN-01	C309
DC-11	N/A	STANDARD DUTY	620	DN-01	C315
DC-14	N/A	STANDARD DUTY	30	DN-01	C316
DC-15	3-18"	STANDARD DUTY	75	DN-03	C317
DC-17	N/A	STANDARD DUTY	55	DN-01	C314
DC-18	1-42"; 2-36"; 3-30"	STANDARD DUTY	40	DN-03	C316
DC-19	N/A	STANDARD DUTY	335	DN-01	C318
DC-20	N/A	STANDARD DUTY	310	DN-01	C318
DC-21	N/A	STANDARD DUTY	210	DN-01	C322

DRAINAGE CROSSING GENERAL NOTES:

1. DRAINAGE CROSSINGS SHOWN ON THE PLANS ARE BASED UPON OBSERVATION OF TOPOGRAPHIC CONTOURS, AERIAL IMAGERY, PUBLIC GIS DATA, AND ENGINEERING ANALYSIS.
2. ADDITIONAL CROSSINGS MAY BE NEEDED WHERE CONCENTRATED FLOWS ARE ANTICIPATED DUE TO CONSTRUCTION ACTIVITIES, OR WHERE FIELD CONDITIONS INDICATE AN INCISED CHANNEL NOT SHOWN ON THE CONTOURS. CONTACT ENGINEER FOR RECOMMENDATIONS.
3. IF MULTIPLE DRAINAGE CROSSING OPTIONS ARE PROVIDED, CONTRACTOR SHALL USE DISCRETION TO SELECT THE CULVERT SIZE OPTION THAT BEST FITS THE EXISTING CHANNEL GEOMETRY WHILE MAINTAINING MINIMUM COVER REQUIREMENTS.
4. TEMPORARY CRANE PATH CULVERTS ARE IDENTIFIED AT MAJOR DRAINAGE CROSSINGS. AT CONTRACTOR'S DISCRETION AND UNLESS OTHERWISE NOTED, CROSSING WITH CRANE MATS (DETAIL CR-02) IS AN ACCEPTABLE ALTERNATIVE TO INSTALLING A TEMPORARY CULVERT (DETAIL CR-03).
5. DRAINAGE CROSSING DESIGN IS INCLUDED FOR PRIMARY INFRASTRUCTURE ONLY. CONTACT ENGINEER IF ALTERNATE INFRASTRUCTURE REQUIRES CROSSING DESIGN.
6. ENTRANCE CULVERT SIZING TO BE VERIFIED BY THE AUTHORITY HAVING JURISDICTION (AHJ) FOR ALL CULVERTS WITHIN THE RIGHT OF WAYS.

TABLE 2: ENTRANCE CROSSING TABLE

Crossing ID	Culvert (25-year sizing)	Detail Reference	Plan Sheet Number
	Diameter (in)		
EC-01	1-18"	DN-06	C302
EC-02	1-18"	DN-06	C303
EC-03	1-18"	DN-06	C303
EC-04	EXISTING CULVERT*	N/A	C304
EC-05	1-18"	DN-06	C304
EC-07	1-18"	DN-06	C304
EC-09	1-18"	DN-06	C301
EC-10	1-18"	DN-06	C307
EC-11	1-18"	DN-06	C301
EC-12	1-18"	DN-06	C302
EC-13	1-18"	DN-06	C310
EC-14	1-18"	DN-06	C305
EC-15	1-18"	DN-06	C305
EC-16	1-18"	DN-06	C307
EC-17	1-18"	DN-06	C307
EC-18	1-18"	DN-06	C306
EC-22	1-18"	DN-06	C313
EC-23	3-18"	DN-06	C309
EC-24	1-18"	DN-06	C309
EC-25	1-18"	DN-06	C315
EC-26	1-18"	DN-06	C311
EC-27	1-18"	DN-06	C317
EC-28	1-18"	DN-06	C317
EC-30	1-18"	DN-06	C319
EC-31	1-18"	DN-06	C313
EC-32	1-18"	DN-06	C314
EC-33	EXISTING CULVERT*	DN-06	C314
EC-34	1-18"	DN-06	C320
EC-36	1-18"	DN-06	C316
EC-38	1-18"	DN-06	C322
EC-39	1-18"	DN-06	C323
EC-40	1-18"; OR BEST FIT FOR DITCH	DN-06	C325
EC-43	1-18"	DN-06	C326
EC-44	1-18"	DN-06	C321
EC-45	1-18"	DN-06	C327
EC-46	1-18"	DN-06	C322
EC-47	1-18"	DN-06	C328
EC-48	1-18"	DN-06	C329
EC-49	3-18"	DN-06	C324
EC-50	1-18"; OR BEST FIT FOR DITCH	DN-06	C325
EC-51	1-18"	DN-06	C330
EC-52	1-18"	DN-06	C331
EC-53	1-18"	DN-06	C332
EC-54	1-18"	DN-06	C327
EC-55	1-18"	DN-06	C329
EC-56	1-18"	DN-06	C329
EC-57	1-18"	DN-06	C332
EC-58	1-18"	DN-06	C332
*FIELD VERIFIED EXISTING CULVERT. FIELD VERIFY CULVERT CONDITION, REPAIR OR REPLACE AS NEEDED. EXTEND AS NEEDED FOR TEMPORARY TURNS			

* FIELD VERIFIED EXISTING CULVERT. FIELD VERIFY CULVERT CONDITION, REPAIR OR REPLACE AS NEEDED. EXTEND AS NEEDED FOR TEMPORARY TURNS

TABLE 3: CRANE CROSSING TABLE

Crossing ID	Culvert (2-year sizing)	Detail Reference	Plan Sheet Number	Recommended Type
	Diameter (in)			(type)
CP-01	1-48"; 2-36"; 3-30"	CR-02	C301	Timber Matting
CP-02	1-24"; 2-18"	CR-01	C303	Timber Matting
CP-04	1-60"; 2-48"; 3-42"	CR-03	C303	Culvert
CP-07	1-54"; 2-42"; 3-36"	CR-02	C304	Timber Matting
CP-08	1-36"; 2-30"; 3-24"	CR-02	C305	Timber Matting
CP-09	1-42"; 2-30"; 4-24"	CR-02	C311	Timber Matting
CP-10	3-36"	CR-03	C311	Culvert
CP-11	1-36"; 2-30"; 3-24"	CR-02	C318	Timber Matting
CP-12	3-48"	CR-01	C313	Timber Matting
CP-13	1-48"; 2-36"; 4-30"	CR-02	C315	Timber Matting
CP-18	3-36"	CR-02	C322	Timber Matting
CP-19	2-48"	CR-01	C322	Timber Matting
CP-20	1-48"; 2-36"; 3-30"	CR-02	C323	Timber Matting
CP-21	1-42"; 2-36"; 3-30"	CR-02	C325	Timber Matting
CP-22	2-48"	CR-03	C331	Culvert
CP-23	NA	CR-02	C329	Timber Matting
CP-24	NA	CR-02	C329	Timber Matting
CP-25	NA	CR-02	C330	Timber Matting
CP-26	NA	CR-02	C332	Timber Matting
CP-28	NA	CR-01	C321	Timber Matting

TABLE 4: MINIMUM COVER FOR CMP CULVERTS

DIAMETER OF PIPE (IN)	MINIMUM ALLOWABLE COVER (FT) FOR STEEL ROUND PIPE 2 2/3" X 1 1/2" CORRUGATIONS				
	16 GAUGE	14 GAUGE	12 GAUGE	10 GAUGE	8 GAUGE
12	1.0	1.0			
15	1.0	1.0			
18	1.0	1.0			
24	1.5	1.0	1.0		
30	1.5	1.5	1.0		
36	2.0	1.5	1.0	1.0	
42	3.0	2.0	1.5	1.0	1.0
48	4.0	2.5	1.5	1.0	1.0
54		3.5	1.5	1.5	1.0
60			2.0	1.5	1.0
66			3.5	2.0	1.5
72				2.5	1.5
DIAMETER OF PIPE (IN)	MINIMUM ALLOWABLE COVER (FT) FOR STEEL ROUND PIPE 3" X 1" AND 5" X 1" CORRUGATIONS				
	16 GAUGE	14 GAUGE	12 GAUGE	10 GAUGE	8 GAUGE
54	5.0	3.0	1.5	1.0	1.0
60	7.0	4.0	2.0	1.5	1.0
66		5.0	2.0	1.5	1.0
72		6.0	2.5	1.5	1.5
NOTES: 1. BASED ON LOADS FROM HS20, TYPICAL TURBINE COMPONENTS, TYPICAL RT AND CRAWLER ERECTION CRANES, AND TABLES PRESENTED IN THE CORRUGATED STEEL PIPE DESIGN MANUAL BY NCSA. 2. SAFETY FACTOR = 2.0					



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120 Garrett St Suite 700
Charlottesville, VA 22902

REVISIONS:

#	DATE	COMMENT	BY	CHK	APR
0	07/25/2025	ISSUED FOR CONSTRUCTION	SL	GN	PM
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3	08/15/2025	DFP REVISION	GN	PM	GN

Coles Wind Project
Coles County, Illinois

Construction Tables

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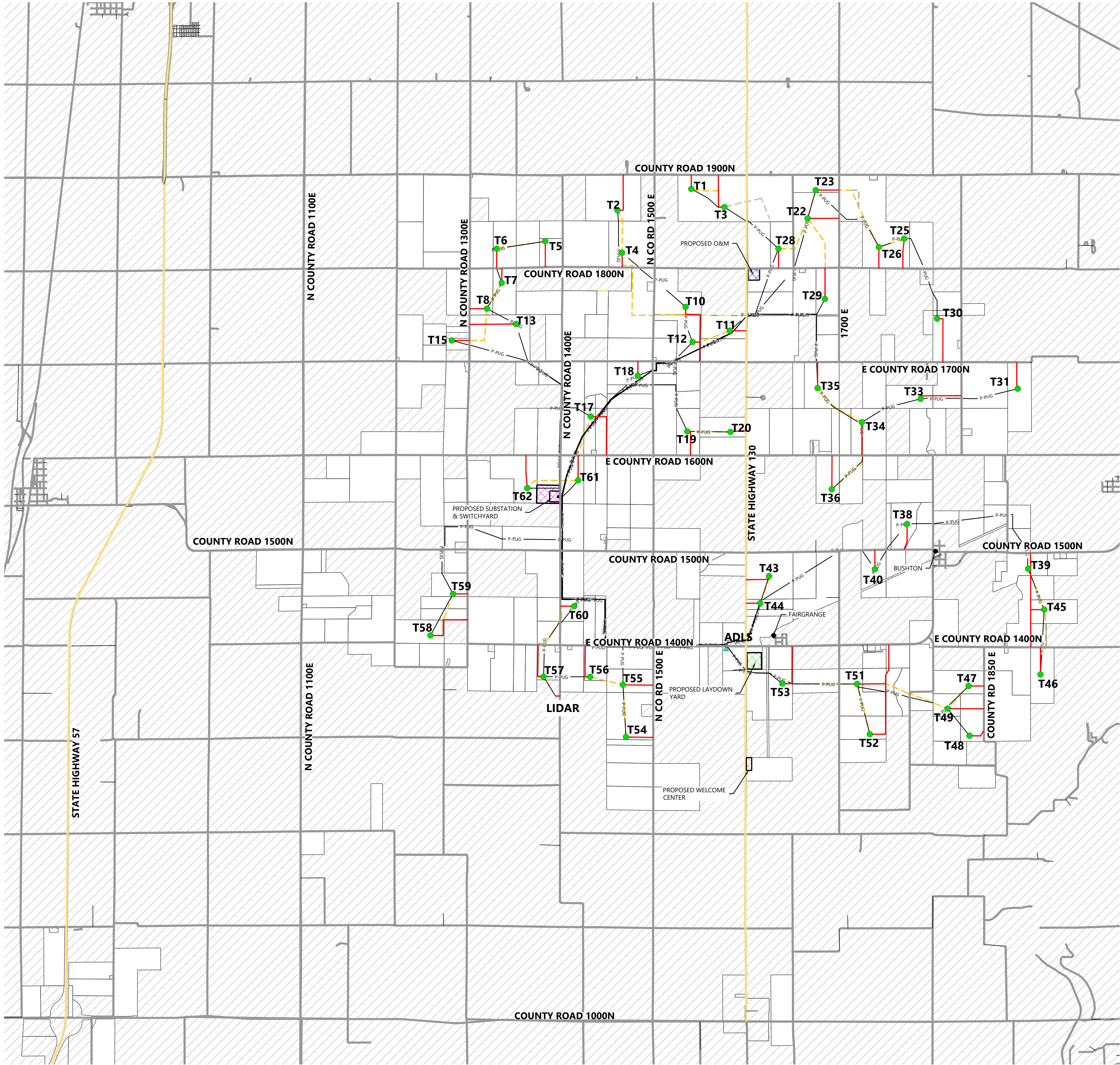
DATE: 08/15/2025

SHEET: C003

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LEGEND:

- PROJECT BOUNDARY
- TURBINE LOCATION
- ADLS
- LIDAR TOWER LOCATION
- PROPOSED ACCESS ROAD
- PROPOSED CRANE PATH
- UNDERGROUND COLLECTION PROVIDED BY OTHERS
- EXISTING ROAD
- EXISTING STATE HIGHWAY
- PARCEL LINES
- PROPOSED SUBSTATION & SWITCHYARD
- PROPOSED O&M
- PROPOSED LAYDOWN YARD
- PROPOSED WELCOME CENTER

Access Road and Crane Quantities	
Road/Crane Type	Quantities (Linear Feet)
Proposed Access Road	87,881.0

Type	Quantities (Square Feet)
Standard	271,861.0

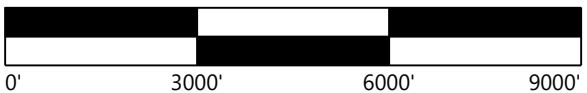


PREPARED FOR:



120 Garrett St Suite 700
Charlottesville, VA 22902

REVISIONS:				
#	DATE	COMMENT	BY	CHK
0	07/25/2025	ISSUED FOR CONSTRUCTION	SL	GN
1	07/29/2025	UPDATED ACCESS ROAD T-39/45	SL	GN
2	08/08/2025	UPDATED TURBINE T-39/47	DM	GN
3	08/15/2025	DFP REVISION	GN	PM



Coles Wind Project

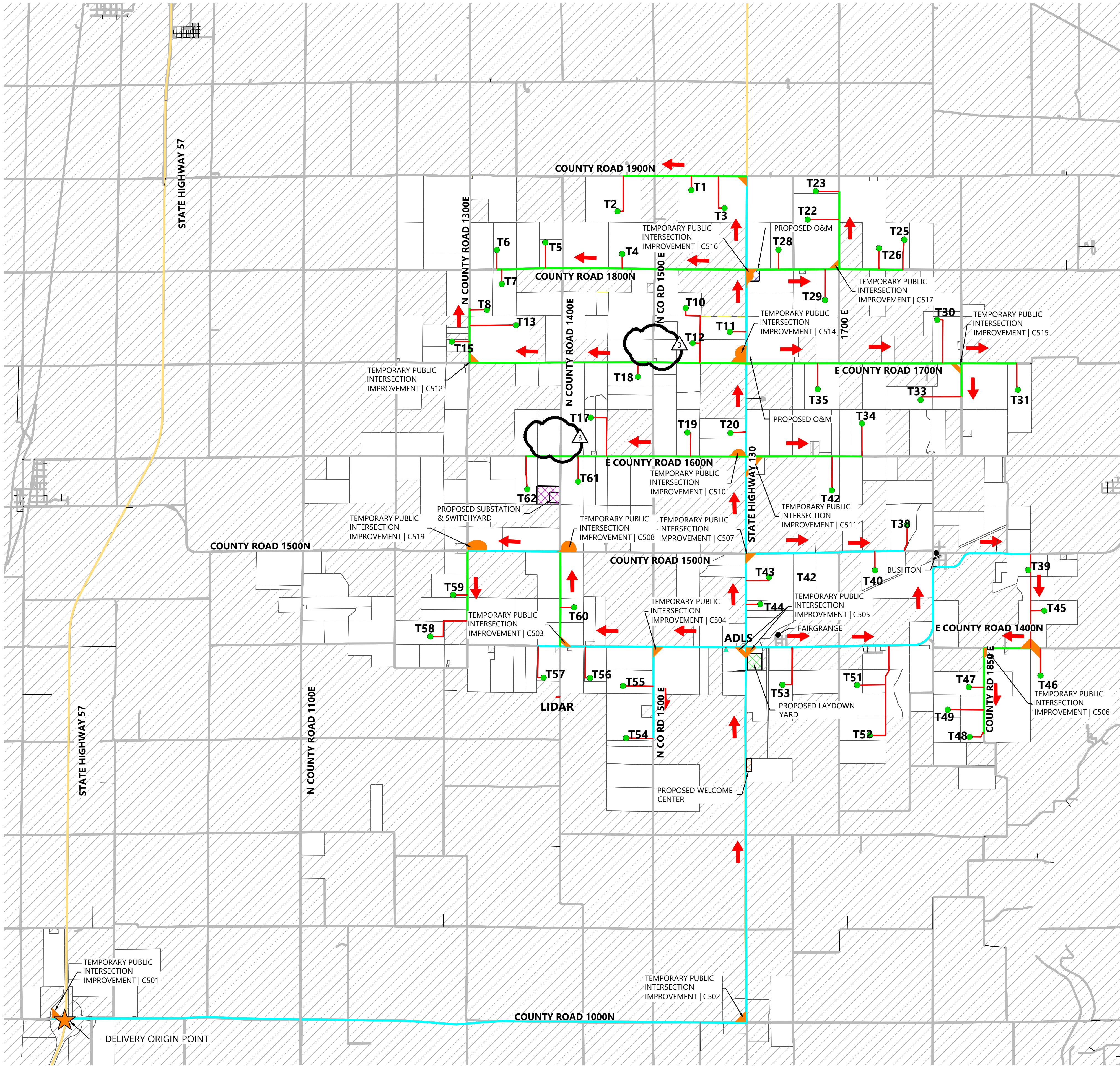
Coles County, Illinois

Overall Site Plan

ISSUED FOR CONSTRUCTION

DATE:	08/15/2025	REV:
SHEET:	C200	3

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LEGEND:

- PROJECT BOUNDARY
- PARCEL LINES
- TURBINE LOCATION
- ADLS TOWER LOCATION
- LIDAR TOWER LOCATION
- PROPOSED ACCESS ROAD
- DELIVERY ROUTE (INGRESS)
- DELIVERY ORIGIN POINT
- EXISTING ROAD
- EXISTING HIGHWAY
- EX. ASPHALT DELIVERY RD.
- EX. GRAVEL DELIVERY RD.
- PROPOSED SUBSTATION & SWITCHYARD
- PROPOSED O&M
- PROPOSED LAYDOWN YARD
- PROPOSED WELCOME CENTER
- PUBLIC-TO-PUBLIC INTERSECTION IMPROVEMENT

Public-to-Private or Infield Temporary Intersections	
Improvement Type	Number of Improvements
Typical	55
Cut-Through	3
Jughandle	8
Cloverleaf	1

Public-to-Public Temporary Intersections	
Improvement Type	Number of Improvements
Typical	11
Cut-Through	4
Jughandle	5
Cloverleaf	2



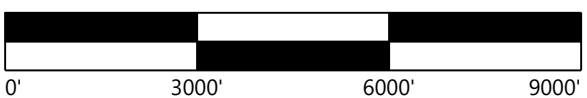
PREPARED FOR:



120 Garrett St Suite 700
Charlottesville, VA 22902

REVISIONS:

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3	08/15/2025	DFP REVISION	GN	PM	GN



Coles Wind Project

Coles County, Illinois

Turbine Component
Delivery Flow Plan

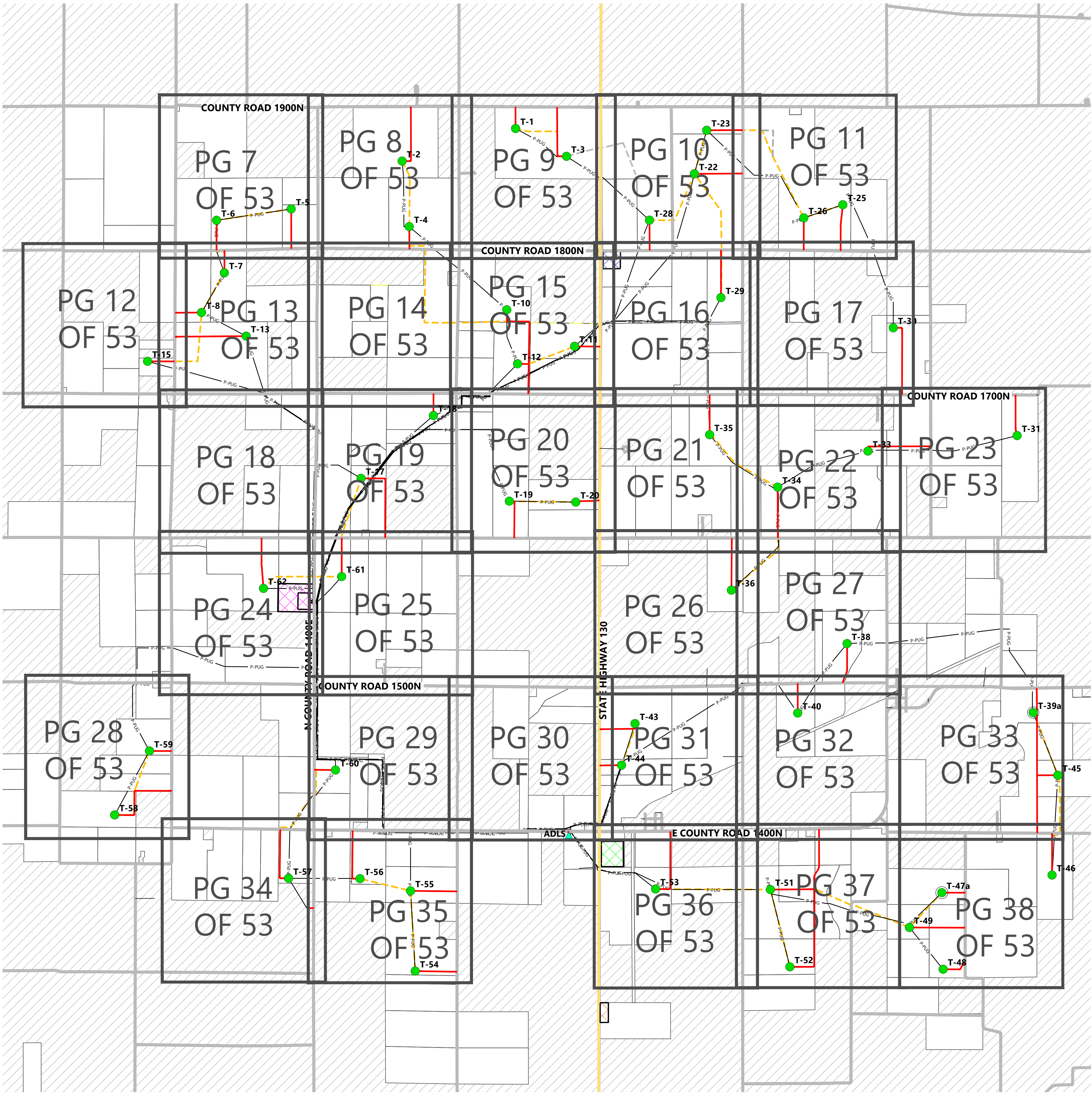
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DATE: 08/15/2025

SHEET: C201

REV: 3

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LEGEND:

- PROJECT BOUNDARY
- TURBINE LOCATION
- ADLS
- LIDAR TOWER LOCATION
- PROPOSED ACCESS ROAD
- PROPOSED CRANE PATH
- UNDERGROUND COLLECTION PROVIDED BY OTHERS
- EXISTING ROAD
- EXISTING STATE HIGHWAY
- PARCEL LINES
- PROPOSED SUBSTATION & SWITCHYARD
- PROPOSED O&M
- PROPOSED LAYDOWN YARD
- PROPOSED WELCOME CENTER

20 SHEET NUMBER REFERENCE

Westwood

Phone (214) 473-4640 2901 Dallas Parkway, Suite 400
Toll Free (888) 937-5150 Plano, TX 75093
westwoodps.com

Westwood Professional Services, Inc.

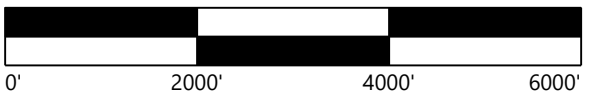


PREPARED FOR:



120 Garrett St Suite 700
Charlottesville, VA 22902

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Coles Wind Project

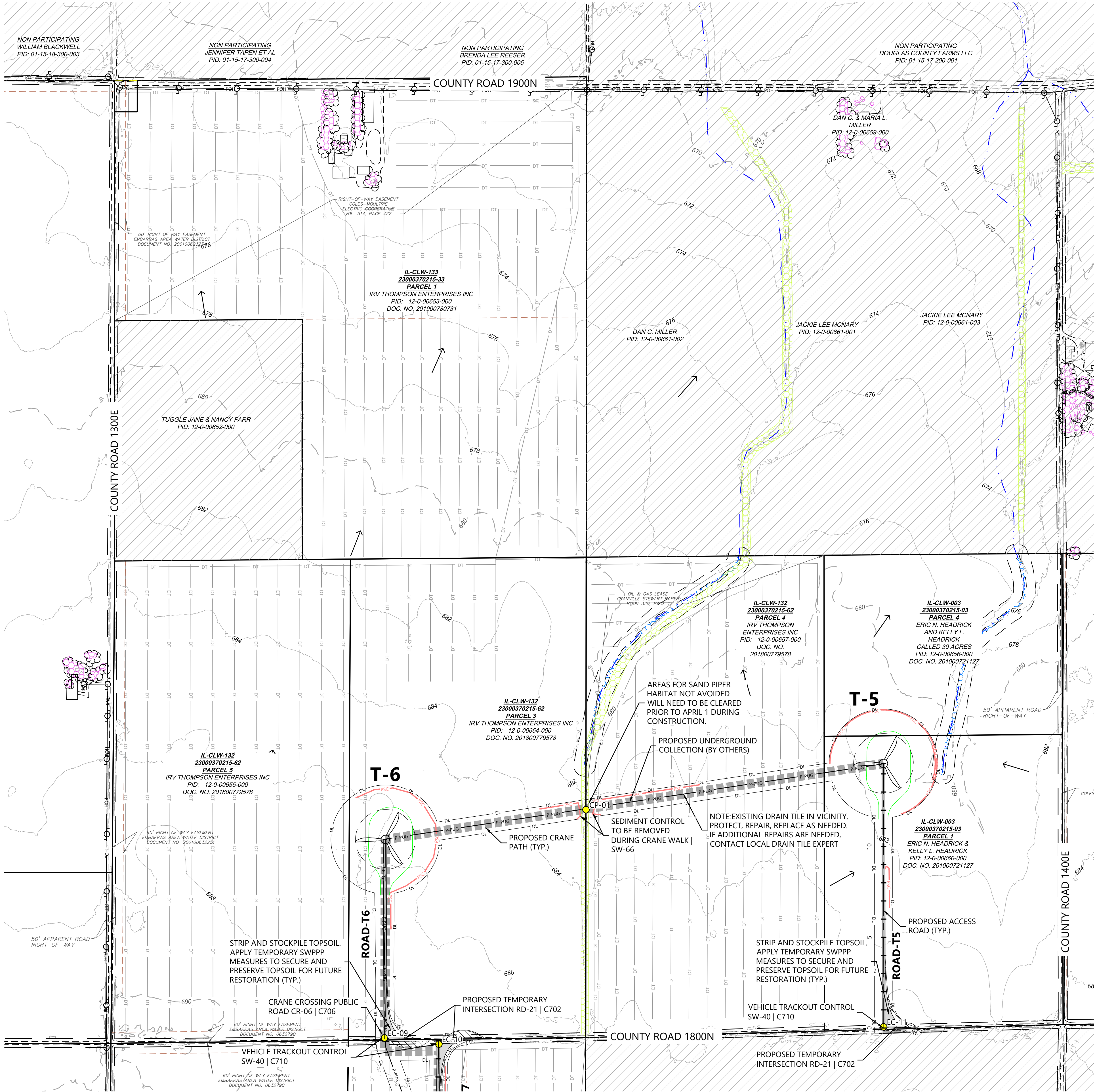
Coles County, Illinois

Overall Site Index Plan

ISSUED FOR CONSTRUCTION

DATE: 08/15/2025
SHEET: C300
REV: 3

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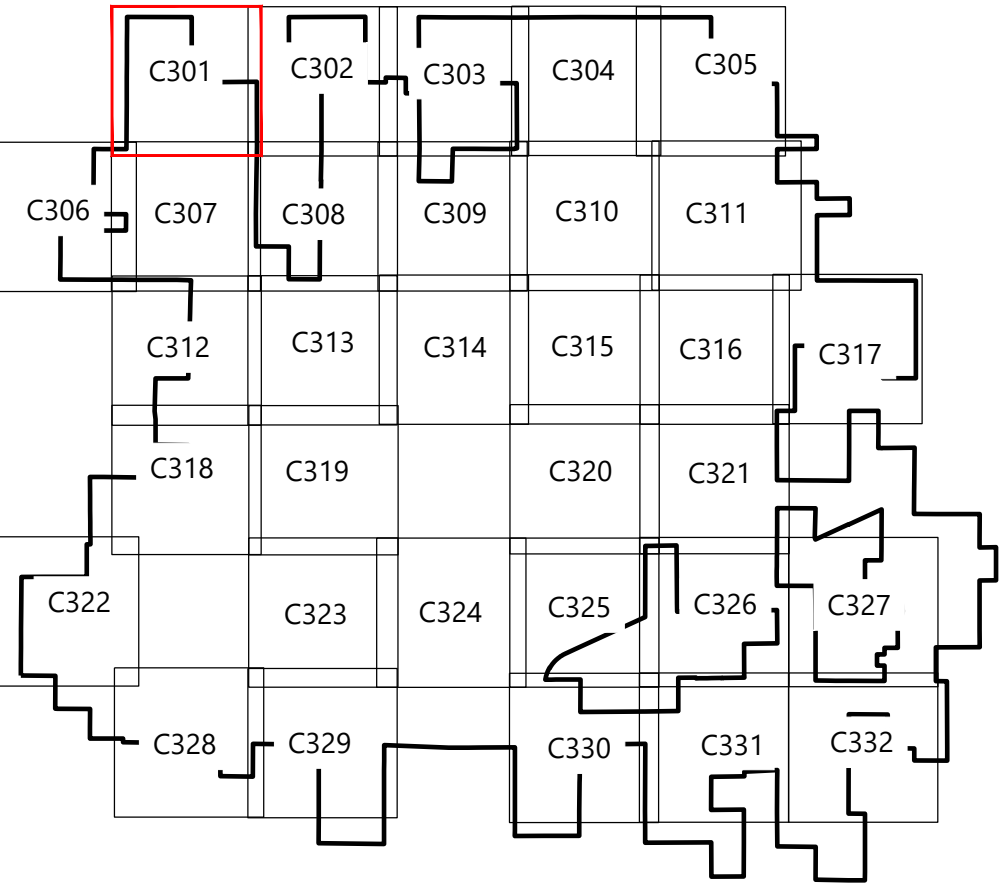
- LEGEND:
- TURBINE LOCATION
 - ADLS TOWER LOCATION
 - PROPOSED DRAINAGE CROSSING
 - PROPOSED ACCESS ROAD
 - PROPOSED CRANE PATH
 - PROPOSED TEMPORARY TURN
 - PROPOSED OBSTACLE FREE AREA
 - PROPOSED WET ROAD SEGMENTS
 - DISTURBANCE LIMITS
 - UNDERGROUND COLLECTION PROVIDED BY OTHERS
 - PROPOSED BORING*
 - PROPOSED FACILITIES
 - NON-PARTICIPATING LAND**
 - PARCEL LINES
 - EX. INDEX CONTOUR
 - EX. INTERVAL CONTOUR
 - EX. RIGHT OF WAY
 - EX. PAVED ROAD
 - EX. GRAVEL ROAD
 - EX. RAIL ROAD
 - EX. FENCE
 - EX. BUILDING
 - EX. OVERHEAD POWER
 - EASEMENT
 - EX. STREAM CHANNEL
 - EX. WATER EDGE FROM PLANIMETRIC DATA
 - EX. WETLAND (DELINEATED)
 - EX. 50' WETLAND BUFFER
 - EX. CULTURAL AREAS
 - EX. DUMPING AREAS
 - EX. SANDPIPER HABITAT
 - EX. BAT HABITAT
 - PERIMETER SEDIMENT CONTROL
 - EX. DRAIN TILE*
 - PAD EDGE
 - FLOW ARROW

*EXISTING DRAIN TILE INFORMATION PROVIDED BY OWNER. CONTRACTOR TO FIELD VERIFY EXISTING LOCATIONS AND REPAIR AND PROTECT AS NEEDED
**CONTRACTOR AND OWNER TO CONFIRM PERMITTING REQUIREMENTS FOR WORK WITHIN RIGHT-OF-WAY CONFLICTING WITH NON-PARTICIPATING LAND. IT IS ASSUME ALL WORK WITHIN RIGHT OF WAY IS PERMITTED

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 - CHANNEL STABILIZATION OF CONCENTRATED FLOW AREAS

KEYMAP:



Westwood

Phone (214) 473-4640 2901 Dallas Parkway, Suite 400
Toll Free (888) 937-5150 Plano, TX 75093
westwoodps.com

Westwood Professional Services, Inc.



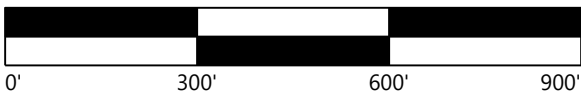
8/15/25
Paige R. Mortenson
C.E.P.: 11130125

PREPARED FOR:



120 Garrett St Suite 700
Charlottesville, VA 22902

REVISIONS:				
#	DATE	COMMENT	BY	CHK
0	07/25/2025	ISSUED FOR CONSTRUCTION	SL	GN
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3	08/15/2025	DFP REVISION	GN	PM



Coles Wind Project

Coles County, Illinois

Site Plan - T5, T6

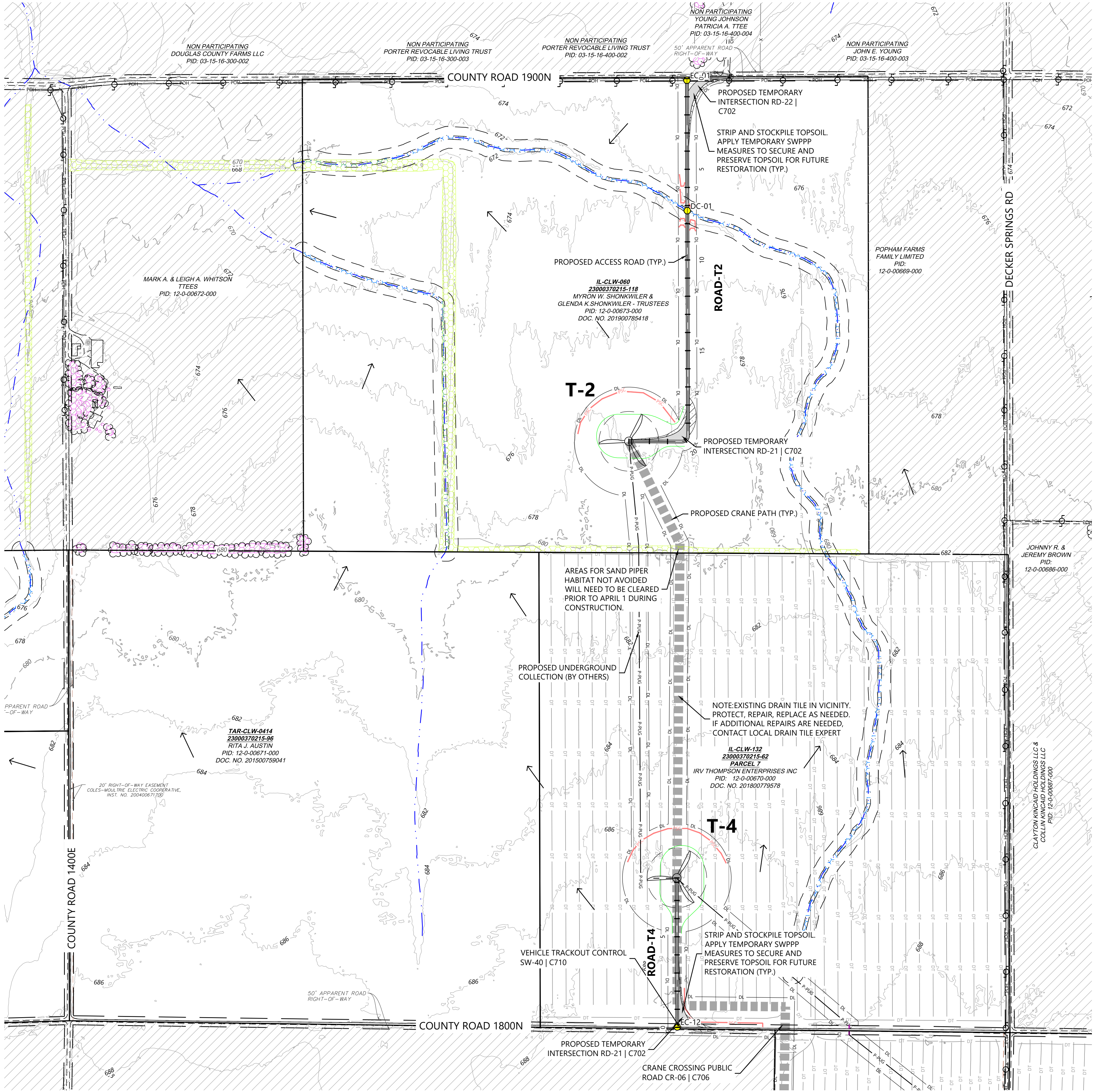
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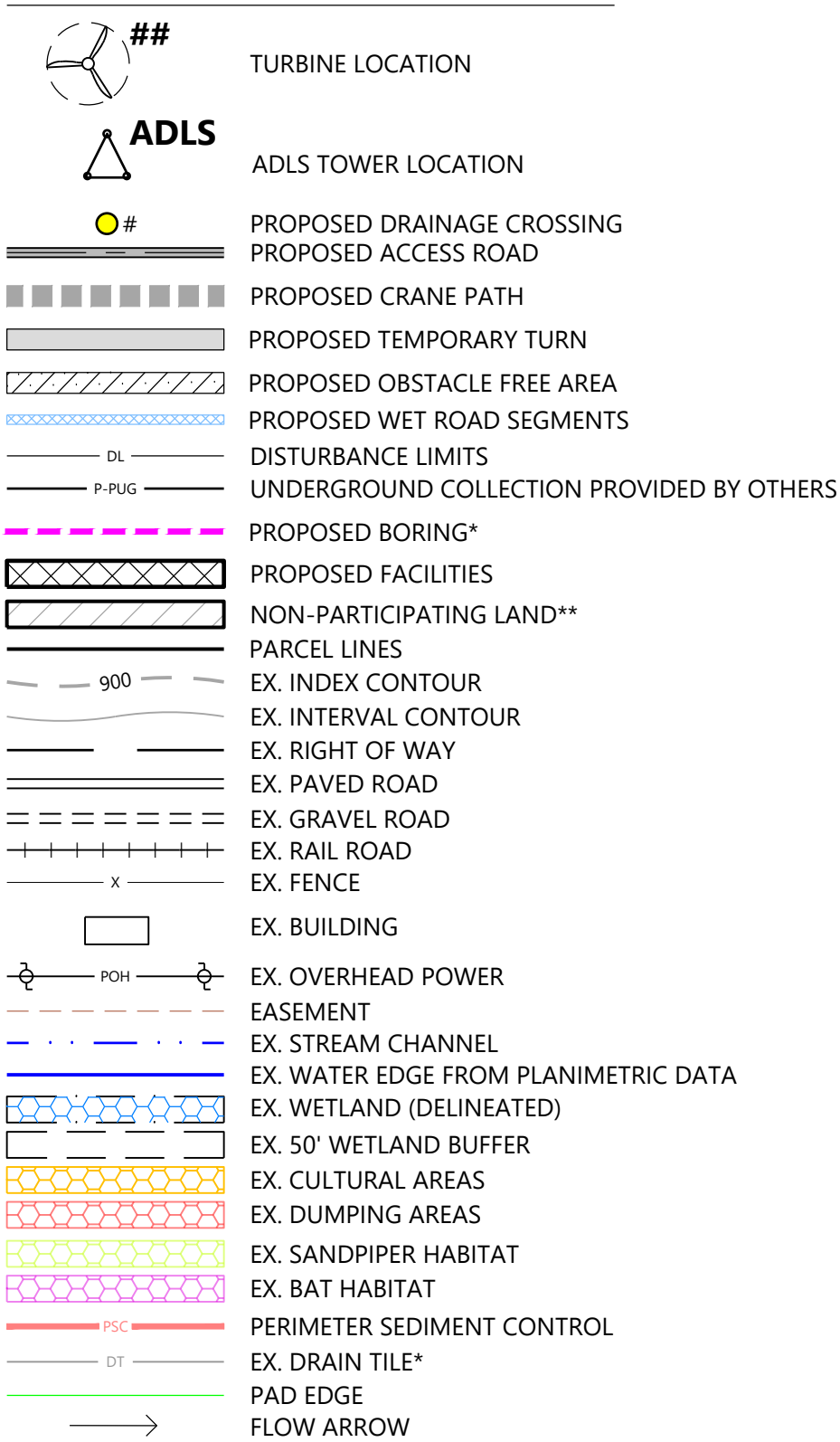
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REV: 3

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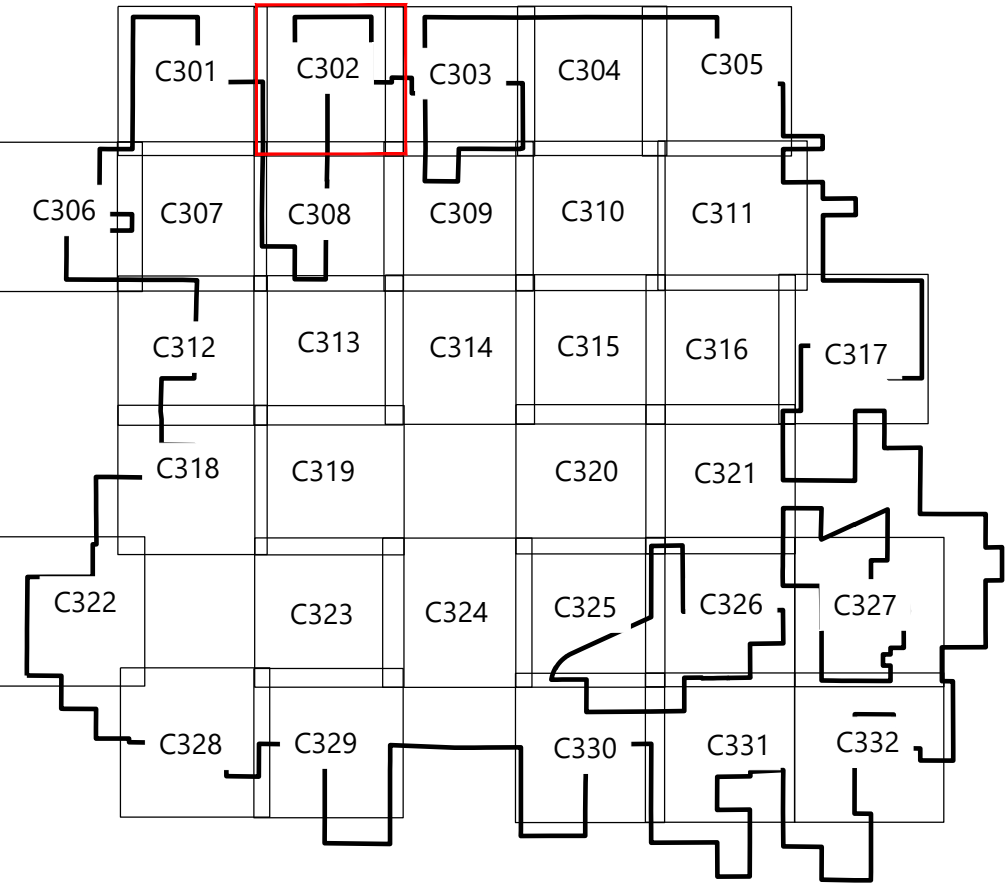
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KEYMAP:



8/15/25
Paige R. Mortenson
C.E.P.: 11130125

PREPARED FOR:



120 Garrett St Suite 700
Charlottesville, VA 22902

REVISIONS:

#	DATE	COMMENT	BY	CHK	APR
0	07/25/2025	ISSUED FOR CONSTRUCTION	SL	GN	PM
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3	08/15/2025	DFP REVISION	GN	PM	GN



Coles Wind Project

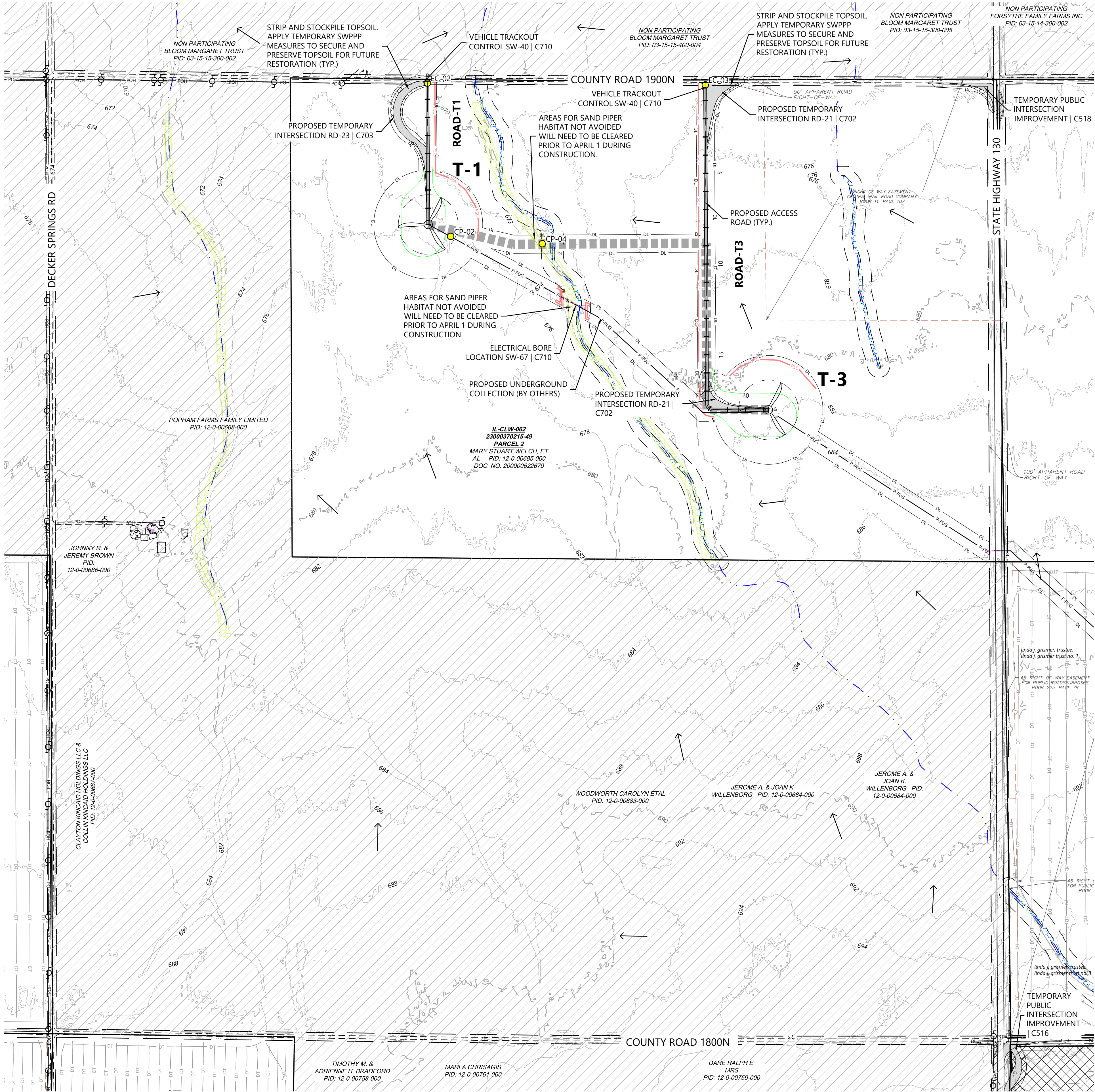
Coles County, Illinois

Site Plan - T2, T4

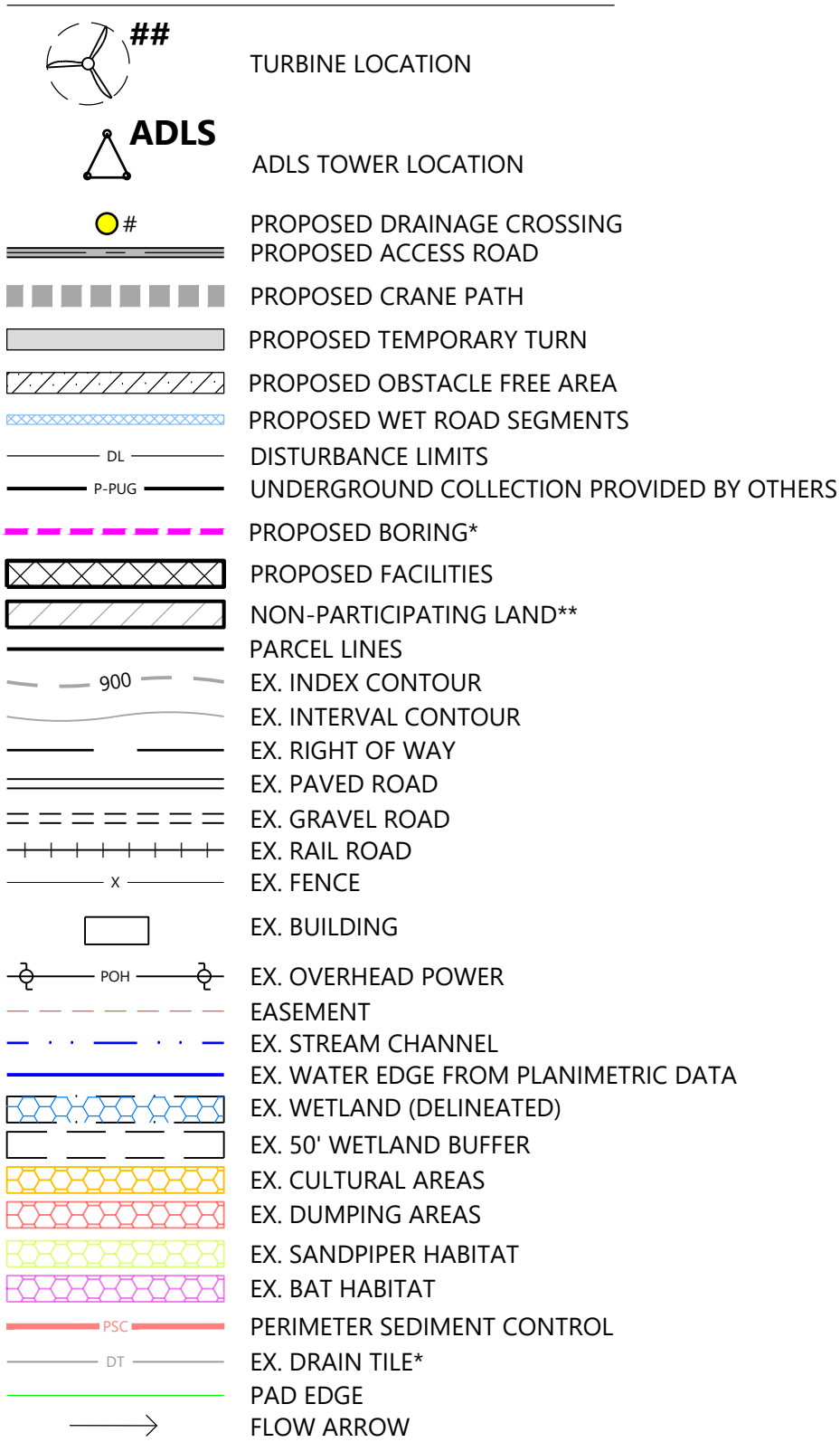
ISSUED FOR CONSTRUCTION

DATE:	08/15/2025	REV:	
SHEET:	C302		3

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LEGEND:



*EXISTING DRAIN TILE INFORMATION PROVIDED BY OWNER. CONTRACTOR TO FIELD VERIFY EXISTING LOCATIONS AND REPAIR AND PROTECT AS NEEDED
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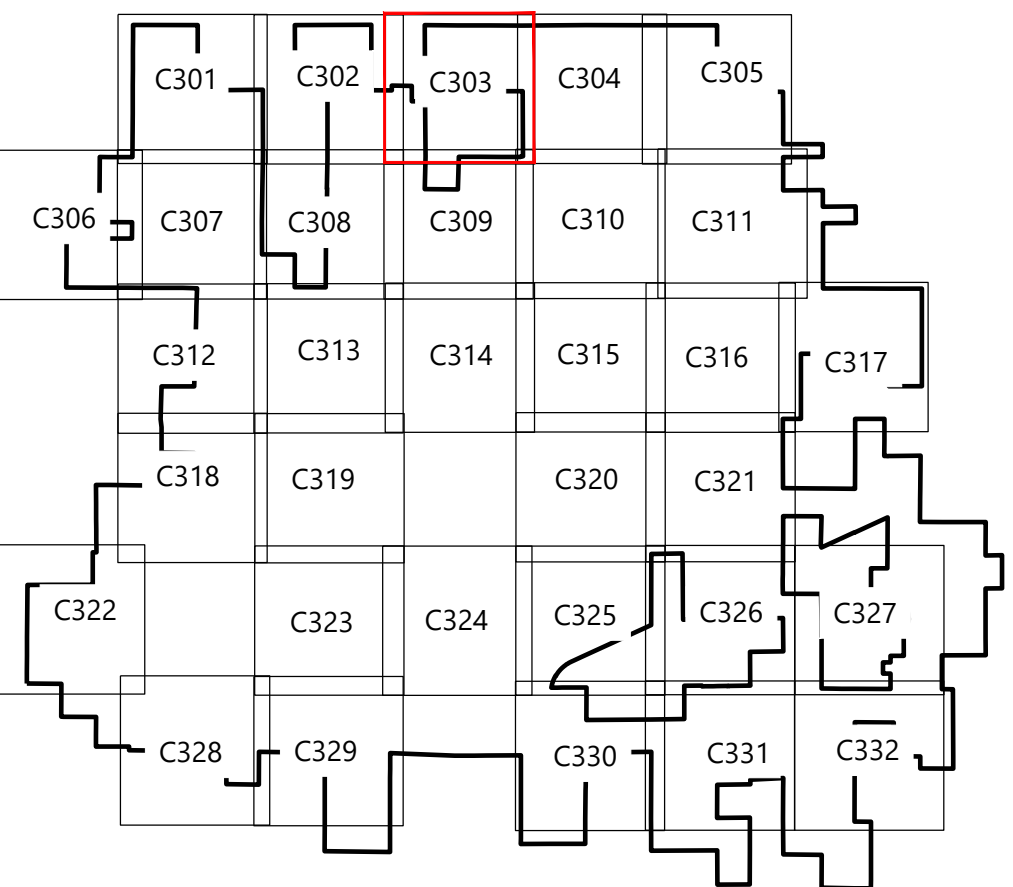
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KEYMAP:



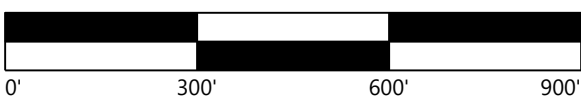
PREPARED FOR:



120 Garrett St Suite 700
Charlottesville, VA 22902

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Coles Wind Project

Coles County, Illinois

Site Plan - T1, T3

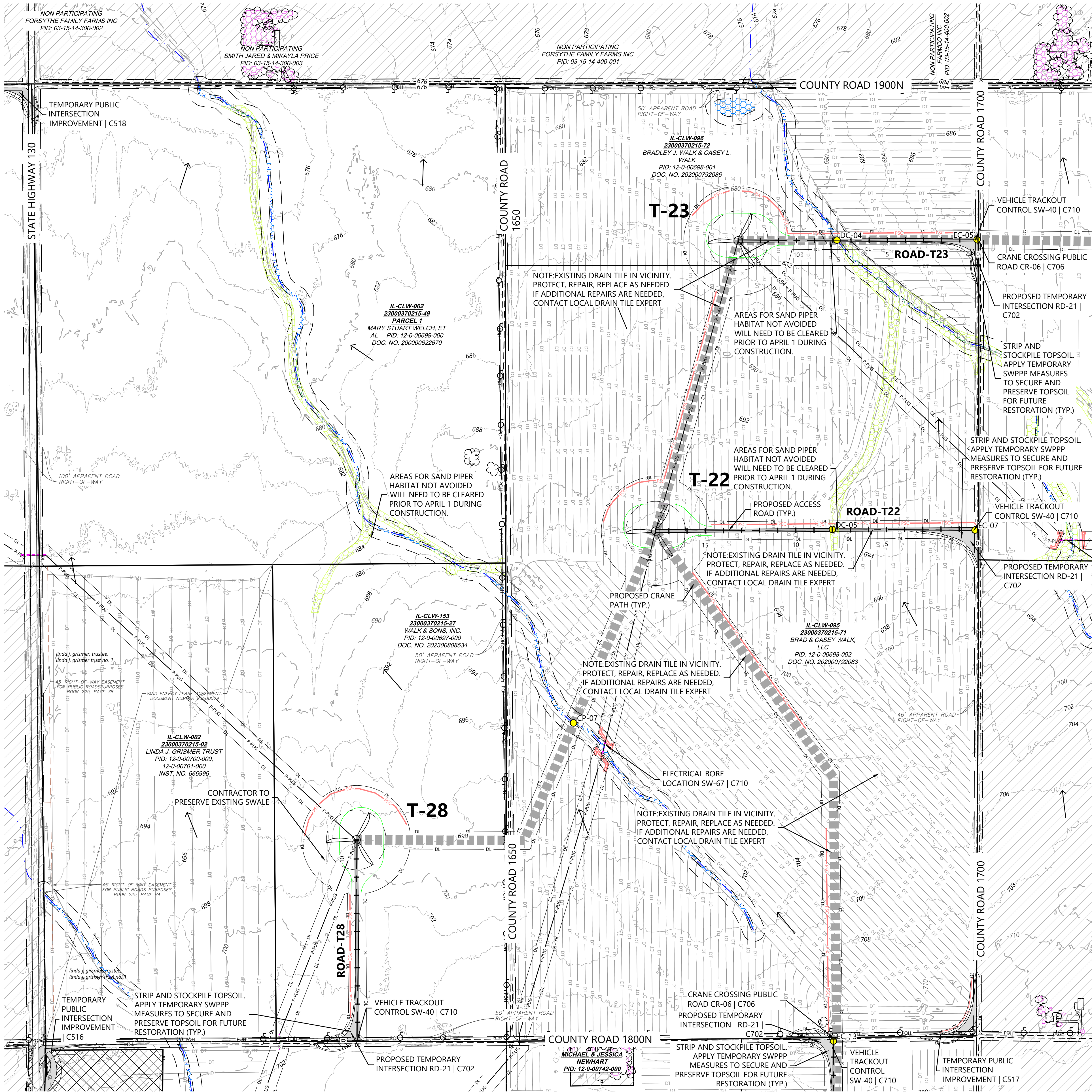
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DATE: 08/15/2025

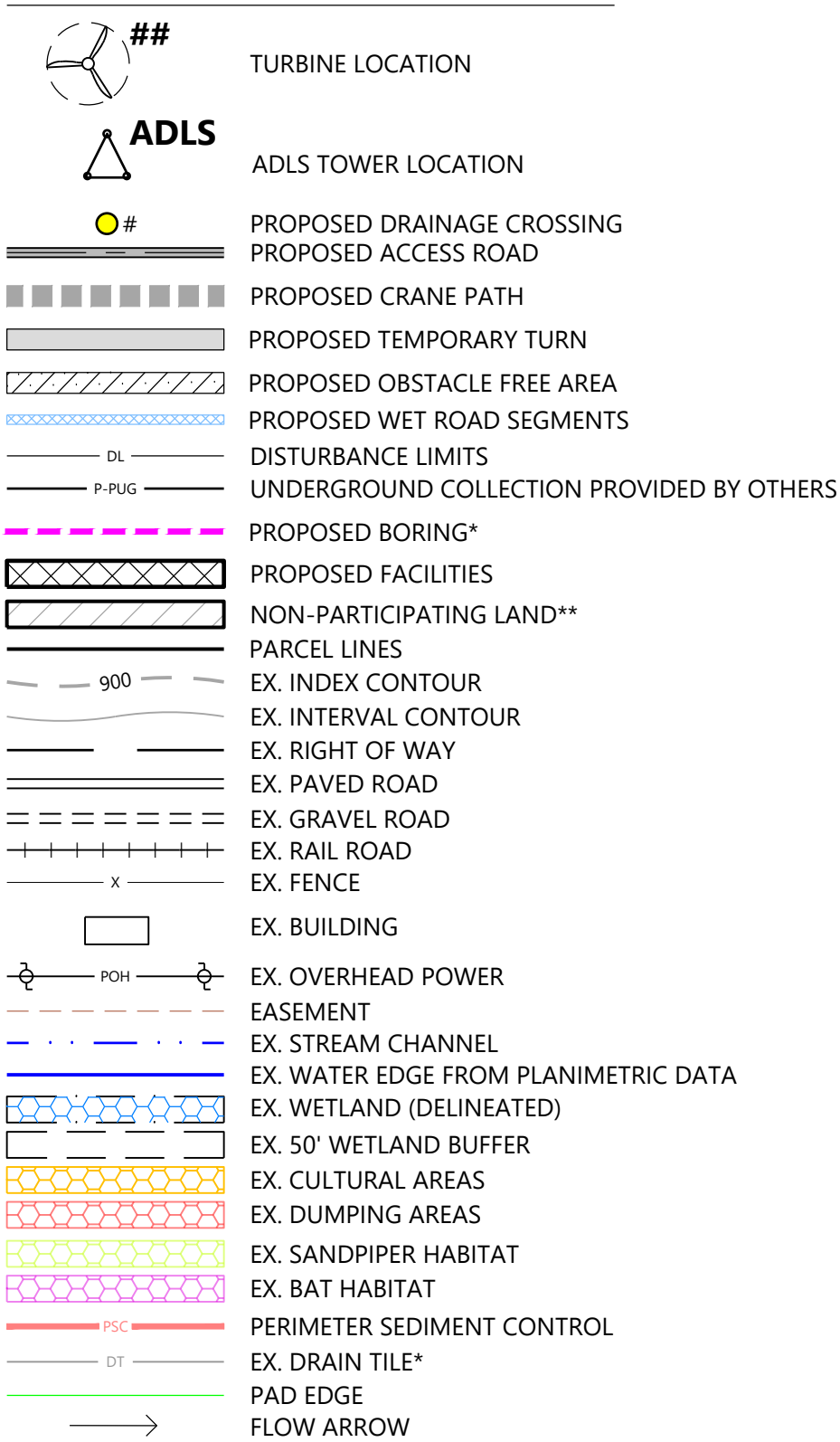
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REV: 3

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LEGEND:



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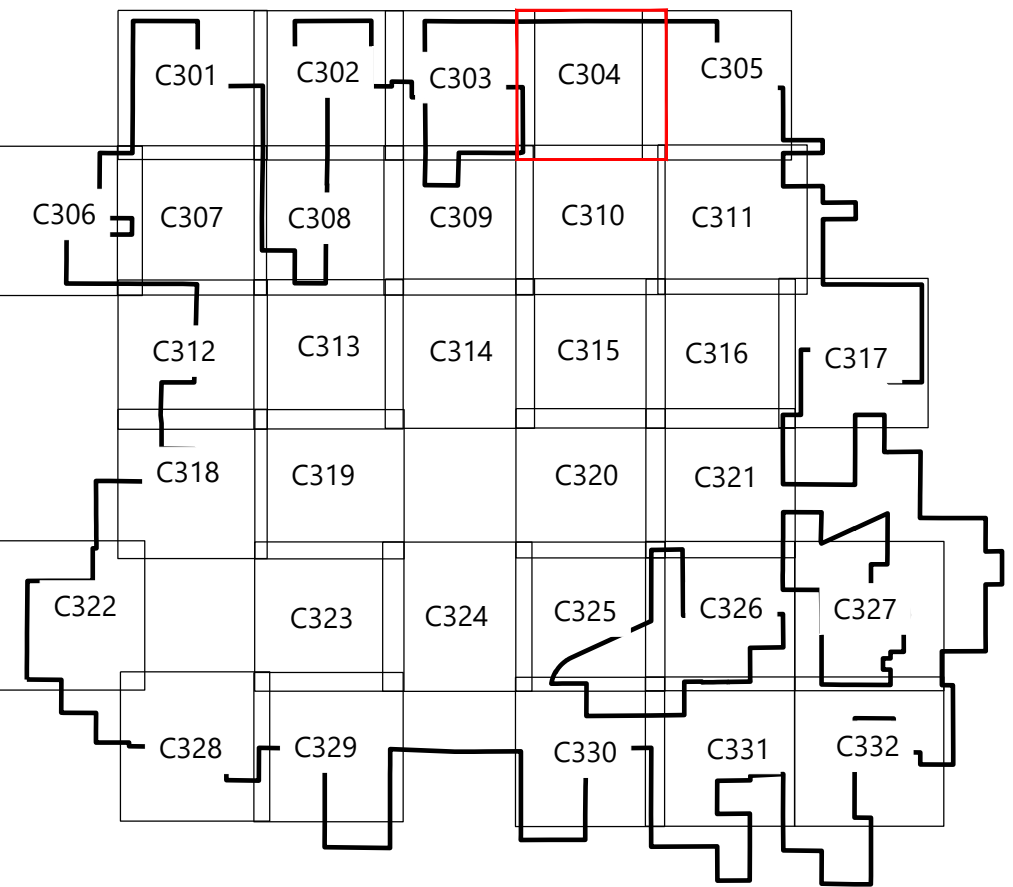
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KEYMAP:



PAIGE R. MORTENSON
062-077157
8/15/25
paigemortenson
C.E.P.: 11130125

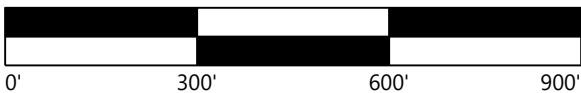
PREPARED FOR:



120 Garrett St Suite 700
Charlottesville, VA 22902

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Coles Wind Project

Coles County, Illinois

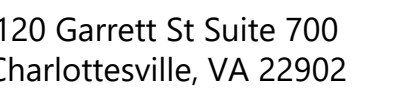
Site Plan - T21, T22,
T23, T27, T28

ISSUED FOR CONSTRUCTION

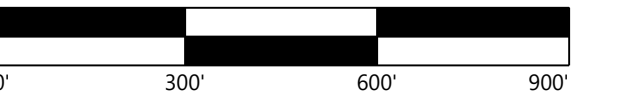
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SHEET: C304

REV:
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REVISIONS:						
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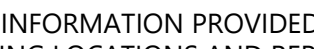
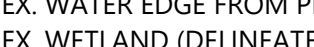
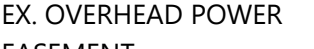
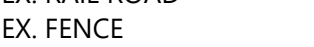
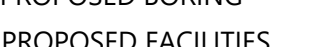
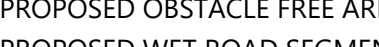
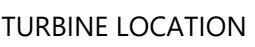


Coles County, Illinois

ISSUED FOR CONSTRUCTION

SHEET: C305

3



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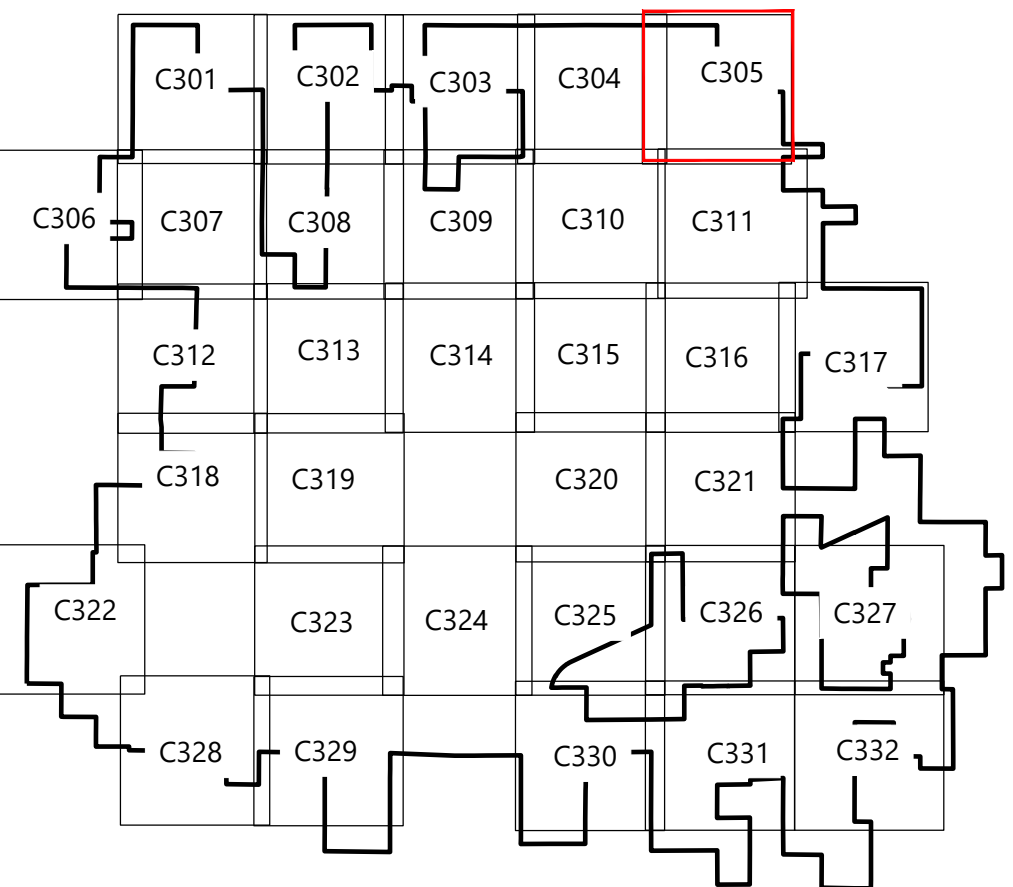
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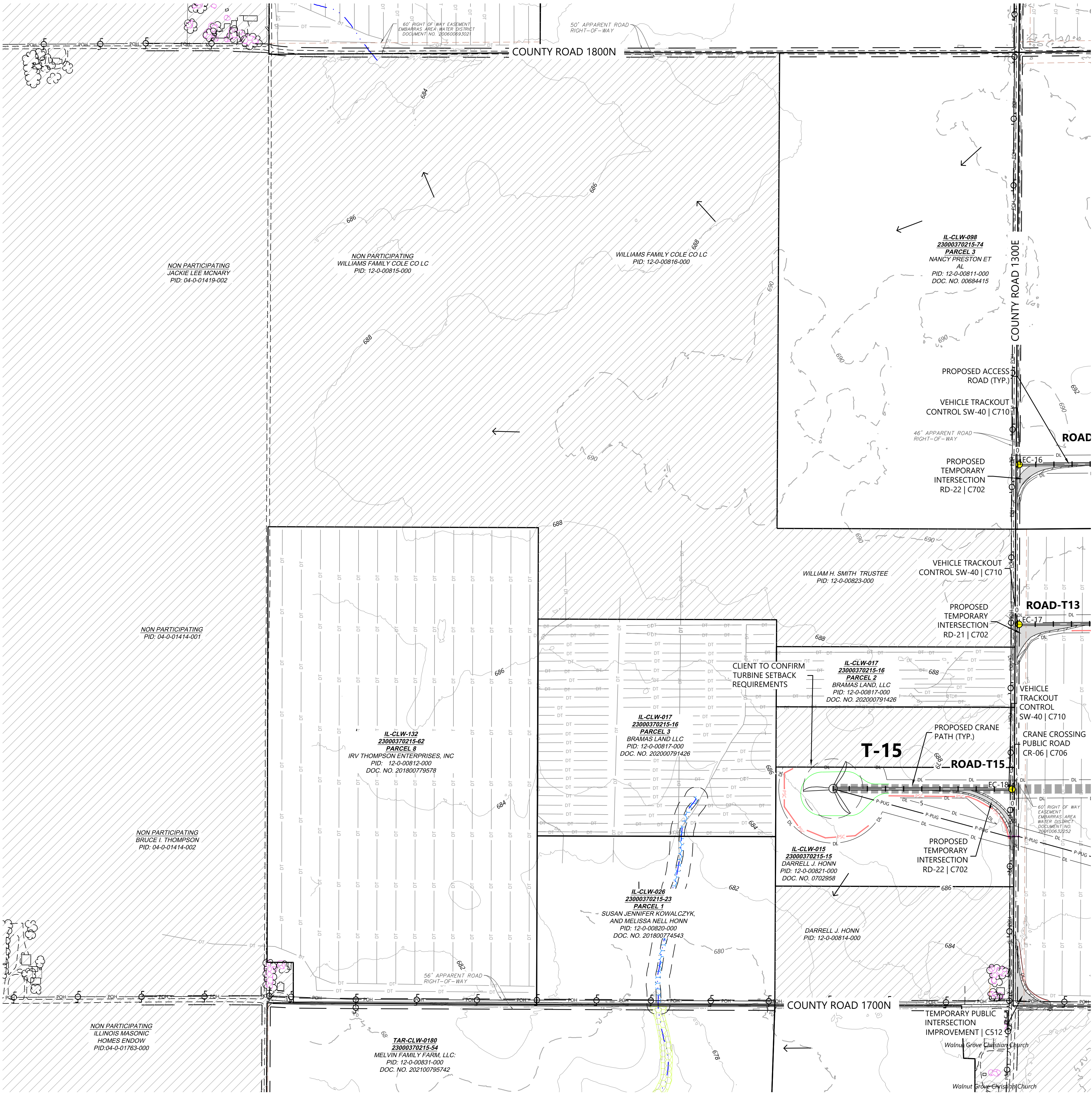
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 - 5.2. SOIL STABILIZATION OF DISTURBED SOIL AREAS
 - 5.3. CHANNEL STABILIZATION OF CONCENTRATED FLOW AREAS

KEYMAP:



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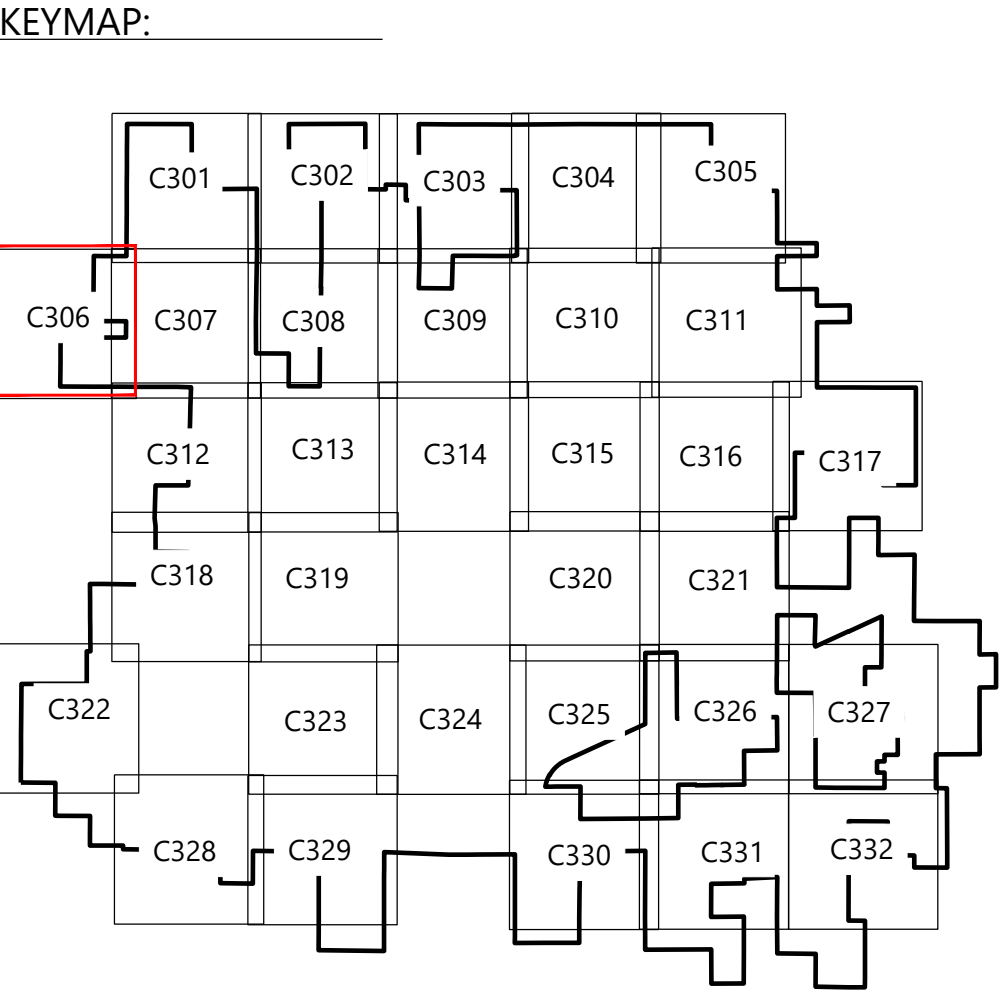


LEGEND:

- ##** TURBINE LOCATION
- ADLS** ADLS TOWER LOCATION
- PROPOSED DRAINAGE CROSSING
- PROPOSED ACCESS ROAD
- PROPOSED CRANE PATH
- PROPOSED TEMPORARY TURN
- PROPOSED OBSTACLE FREE AREA
- PROPOSED WET ROAD SEGMENTS
- DISTURBANCE LIMITS
- UNDERGROUND COLLECTION PROVIDED BY OTHERS
- PROPOSED BORING*
- PROPOSED FACILITIES
- NON-PARTICIPATING LAND**
- PARCEL LINES
- EX. INDEX CONTOUR
- EX. INTERVAL CONTOUR
- EX. RIGHT OF WAY
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- EX. FENCE
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- EX. OVERHEAD POWER
- EX. EASEMENT
- EX. STREAM CHANNEL
- EX. WATER EDGE FROM PLANIMETRIC DATA
- EX. WETLAND (DELINEATED)
- EX. 50' WETLAND BUFFER
- EX. CULTURAL AREAS
- EX. DUMPING AREAS
- EX. SANDPIPER HABITAT
- EX. BAT HABITAT
- PERIMETER SEDIMENT CONTROL
- EX. DRAIN TILE*
- PAD EDGE
- FLOW ARROW

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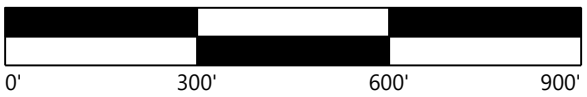


PREPARED FOR:



120 Garrett St Suite 700
Charlottesville, VA 22902

REVISIONS:				
#	DATE	COMMENT	BY	CHK
0	07/25/2025	ISSUED FOR CONSTRUCTION	SL	GN
1	07/29/2025	UPDATED ACCESS ROAD T-39/45	SL	GN
2	08/08/2025	UPDATED TURBINE T-39/47	DM	GN
3	08/15/2025	DFP REVISION	GN	PM



Coles Wind Project

Coles County, Illinois

Site Plan - T15

ISSUED FOR CONSTRUCTION

DATE: 08/15/2025

SHEET: C306

REV: 3



PAIGE R. MORTENSON
062-077157
8/15/25
Paige Mortenson
C.E.P.: 11/30/25

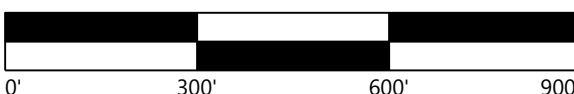
PREPARED FOR:



120 Garrett St Suite 700
Charlottesville, VA 22902

REVISIONS:

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Coles Wind Project

Coles County, Illinois

Site Plan - T7, T8, T13, T14

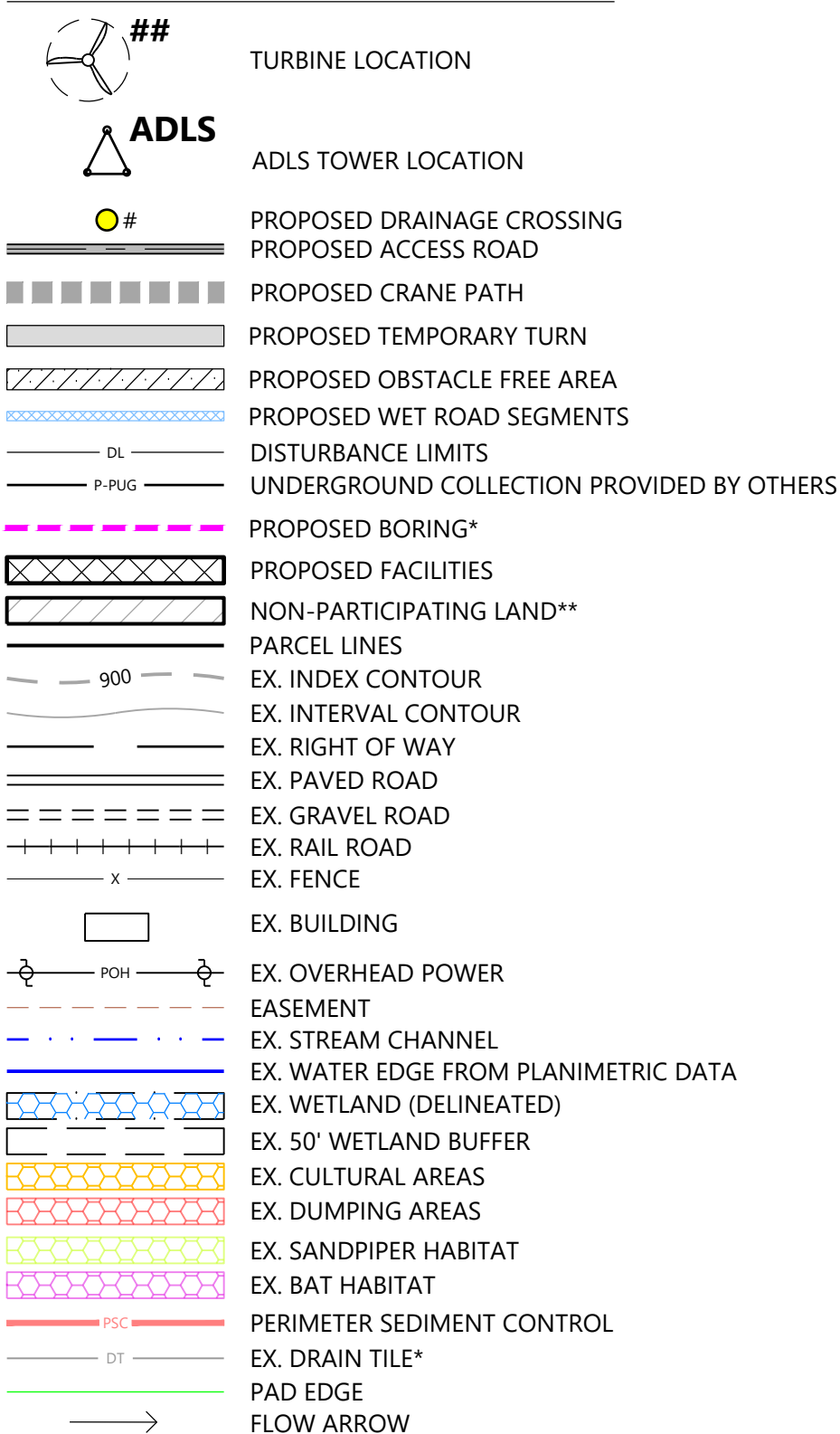
ISSUED FOR CONSTRUCTION

DATE: 08/15/2025

SHEET: C307

REV: 3

LEGEND:



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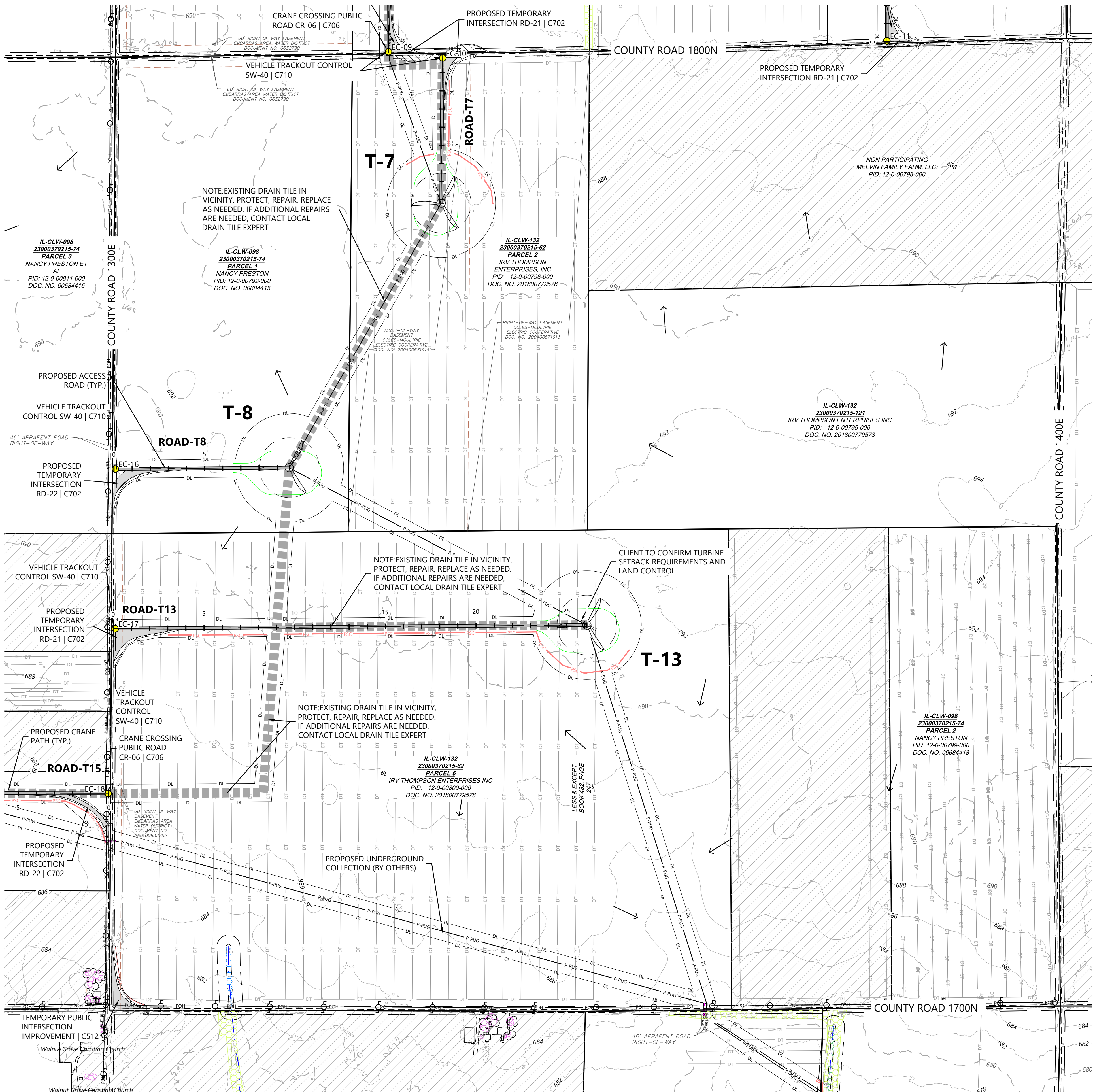
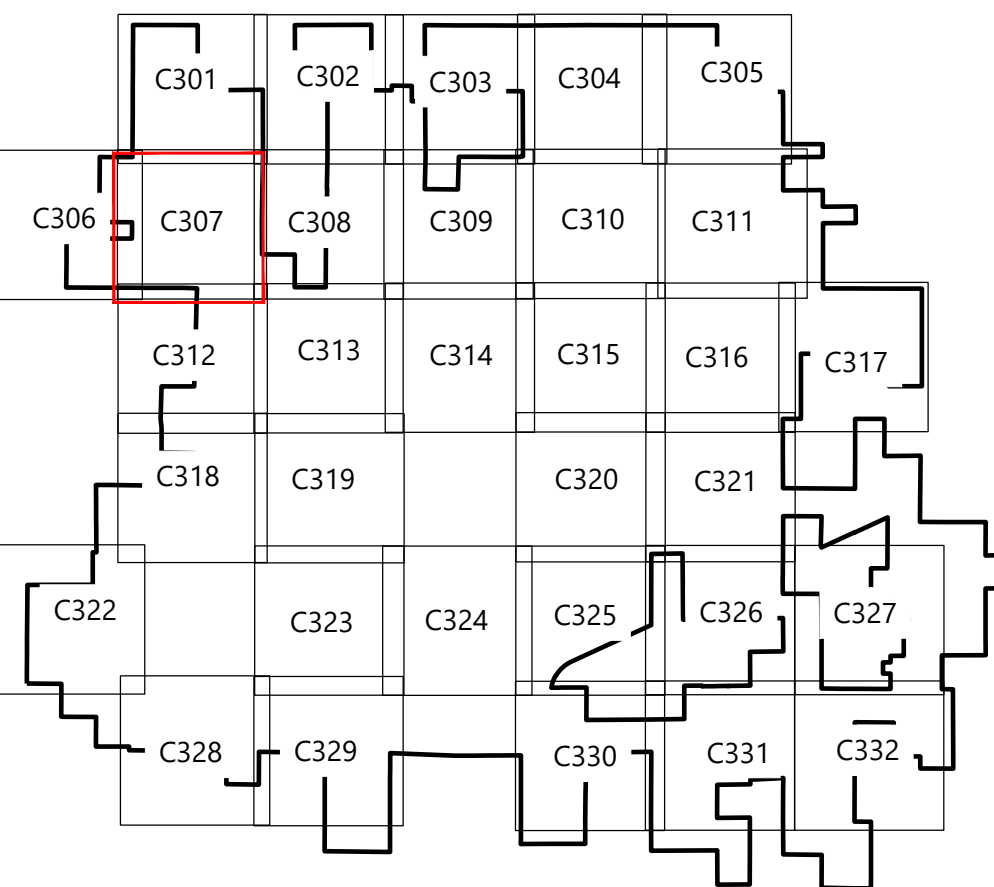
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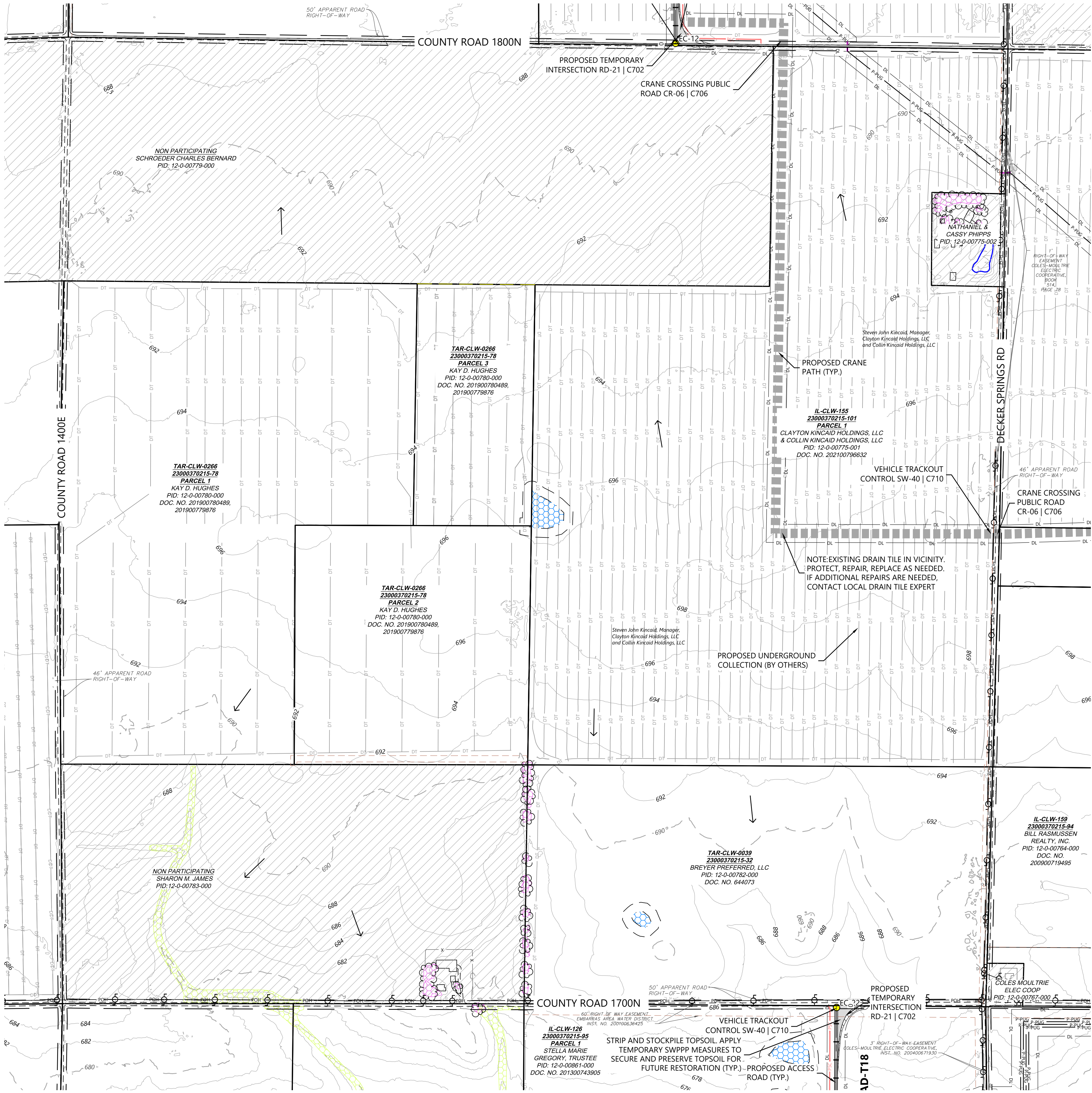
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KEYMAP:



\\0012782311_CAD_Civil\\024299101_C308-01.dwg 8/15/2025 11:27 AM Gabriel Natera



LEGEND:

- ## TURBINE LOCATION
- ADLS ADLS TOWER LOCATION
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- PROPOSED CRANE PATH
- PROPOSED TEMPORARY TURN
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- PROPOSED WET ROAD SEGMENTS
- DL DISTURBANCE LIMITS
- P-PUG UNDERGROUND COLLECTION PROVIDED BY OTHERS
- PROPOSED BORING*
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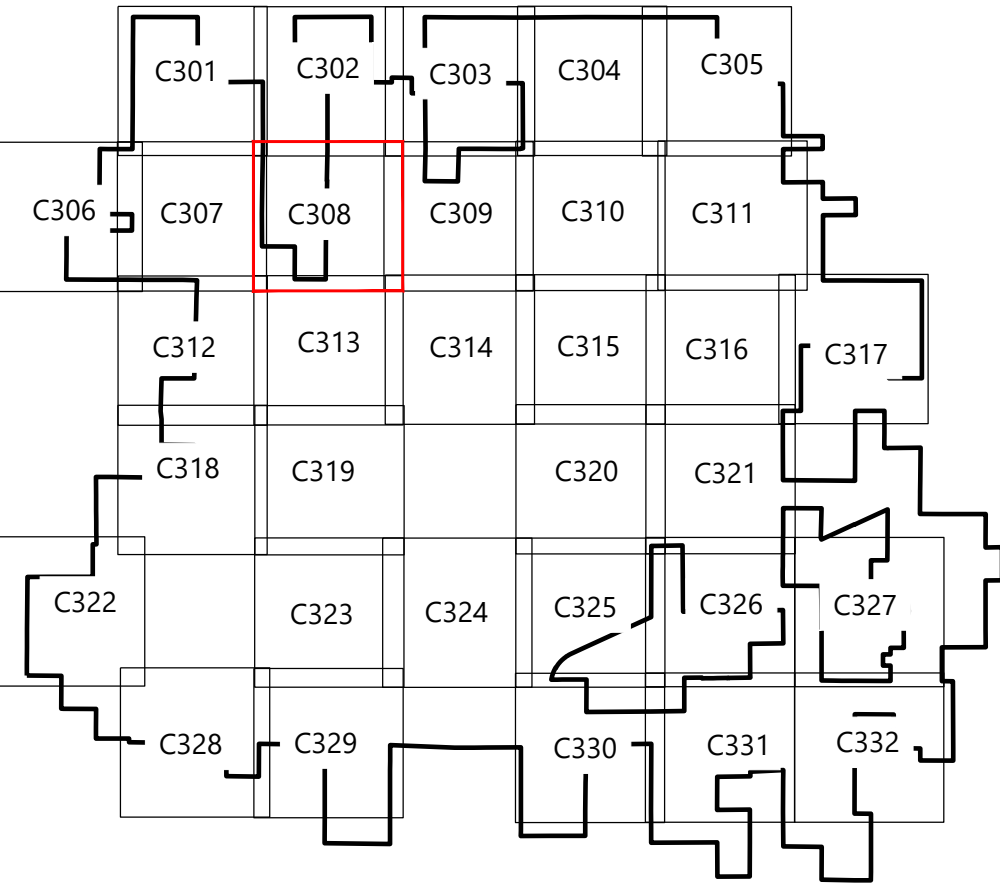
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KEYMAP:



8/15/25
Paige Mortenson
CPE: 11130125

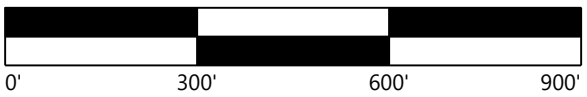
PREPARED FOR:



120 Garrett St Suite 700
Charlottesville, VA 22902

REVISIONS:

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Coles Wind Project

Coles County, Illinois

Site Plan - T9

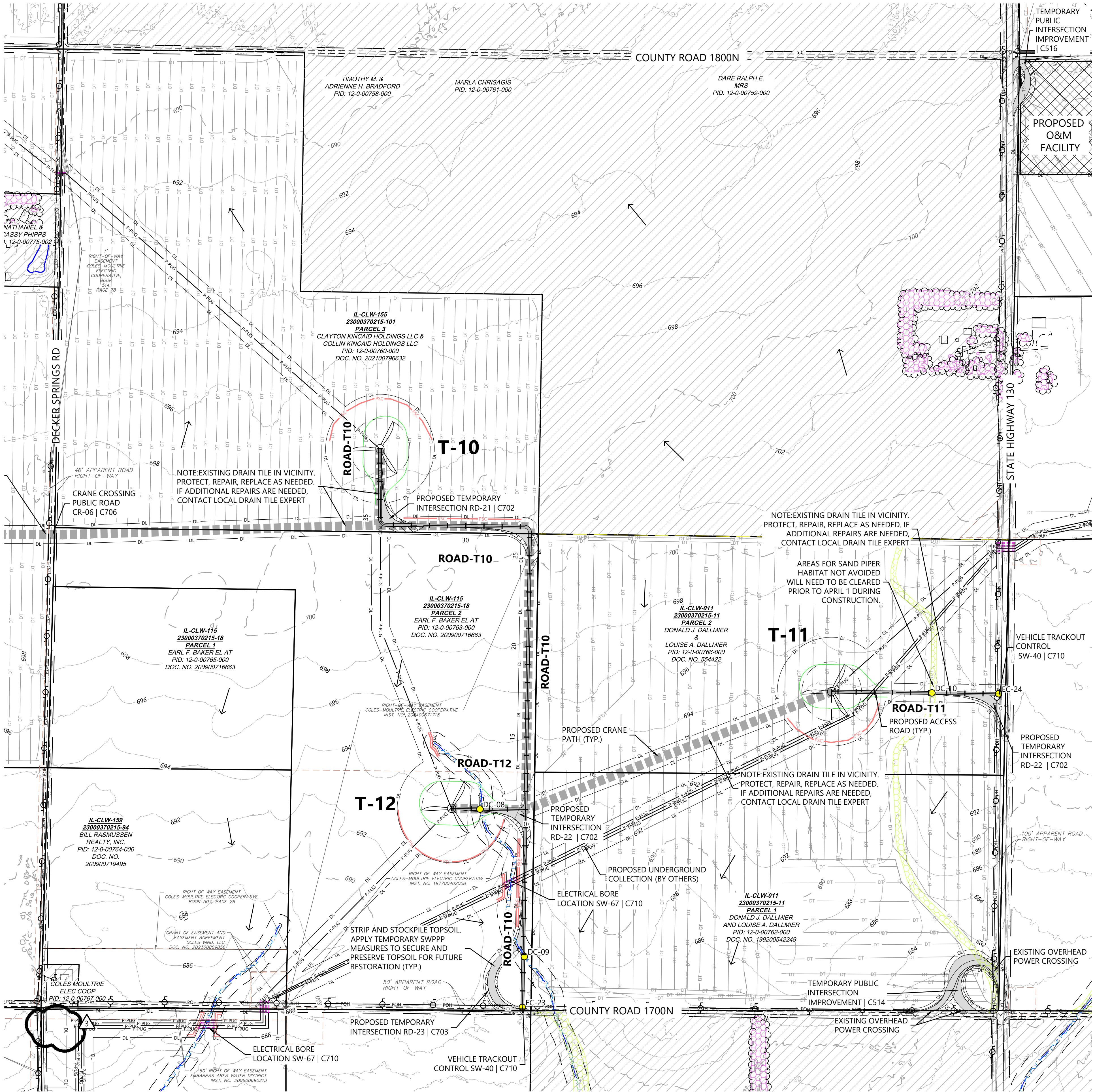
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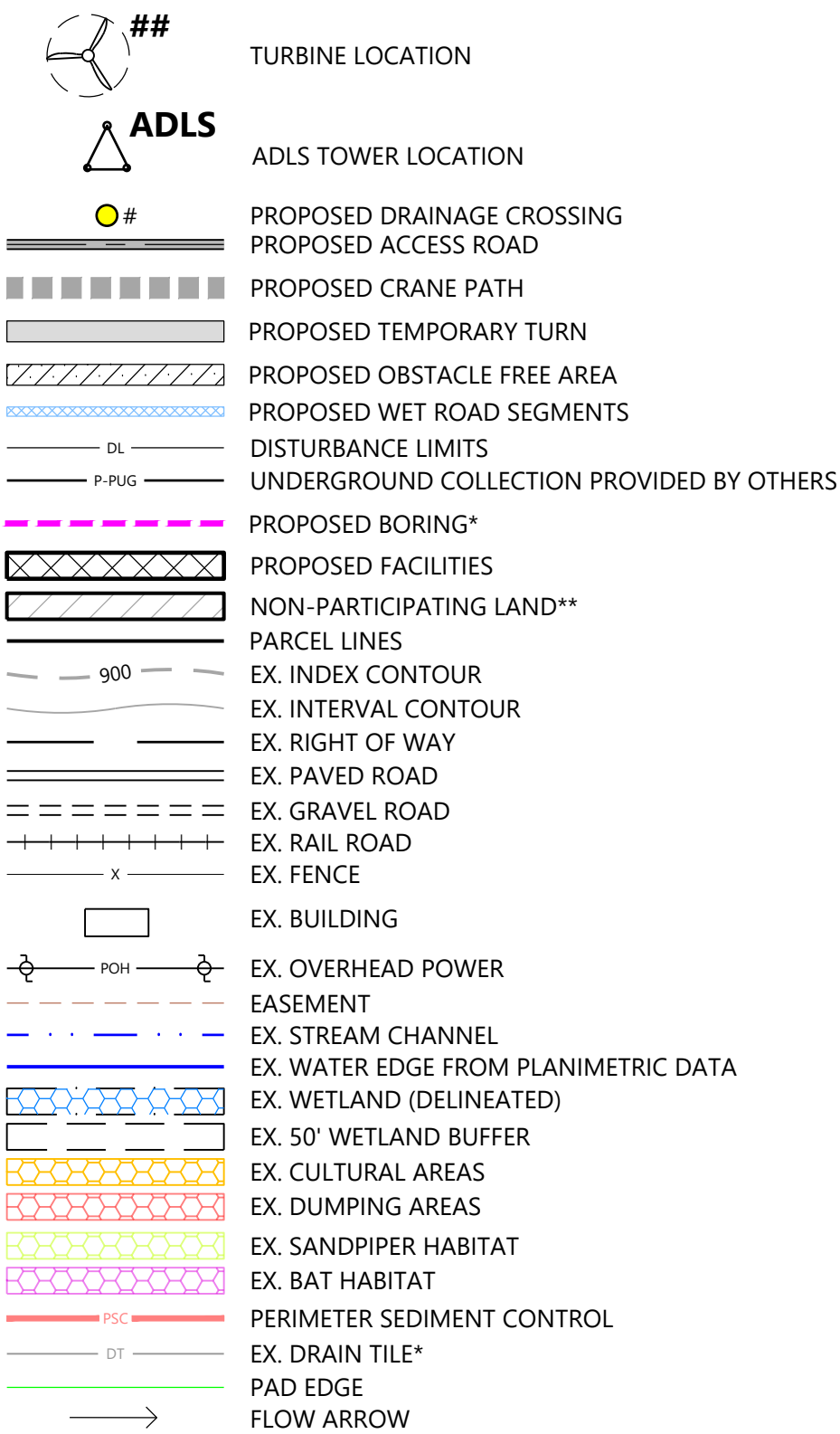
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REV: 3

\\001282811 CAD\\001282811\\C309-01.dwg 8/15/2025 11:24 Cabinet Notes



LEGEND:



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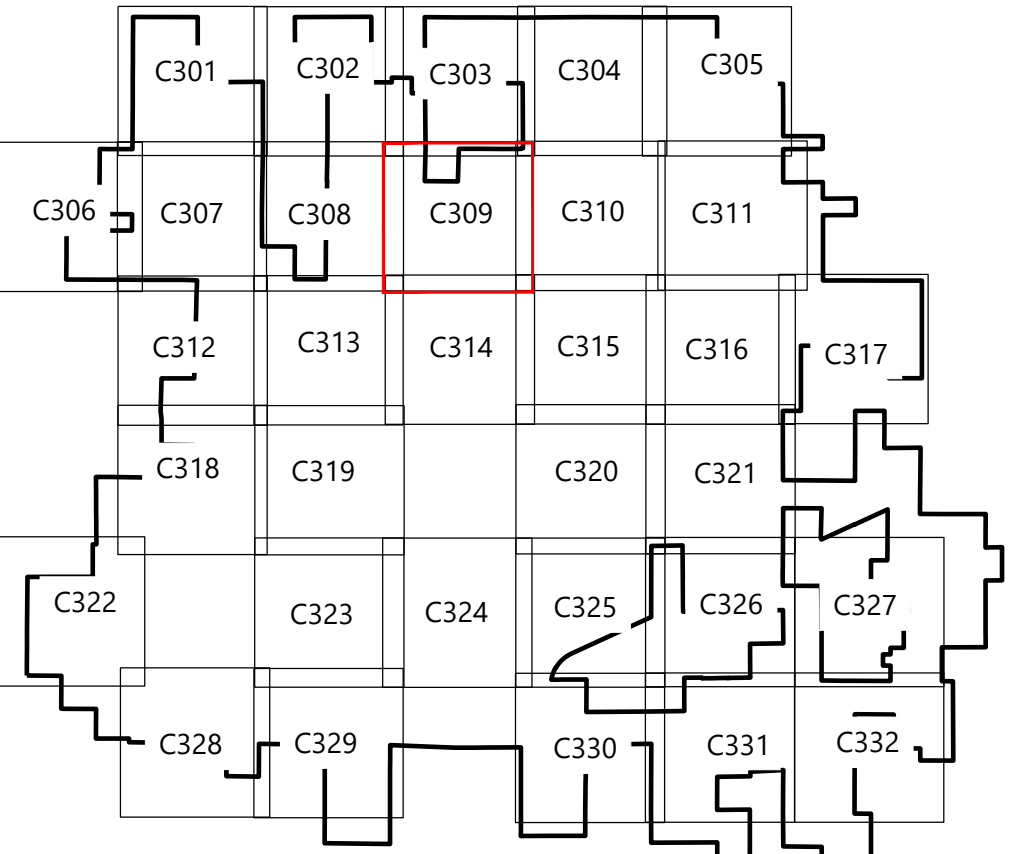
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8/15/25
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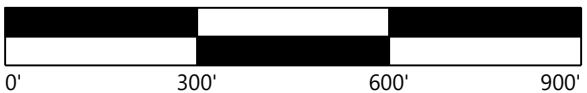
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120 Garrett St Suite 700
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Coles Wind Project

Coles County, Illinois

Site Plan - T10, T11,
T12

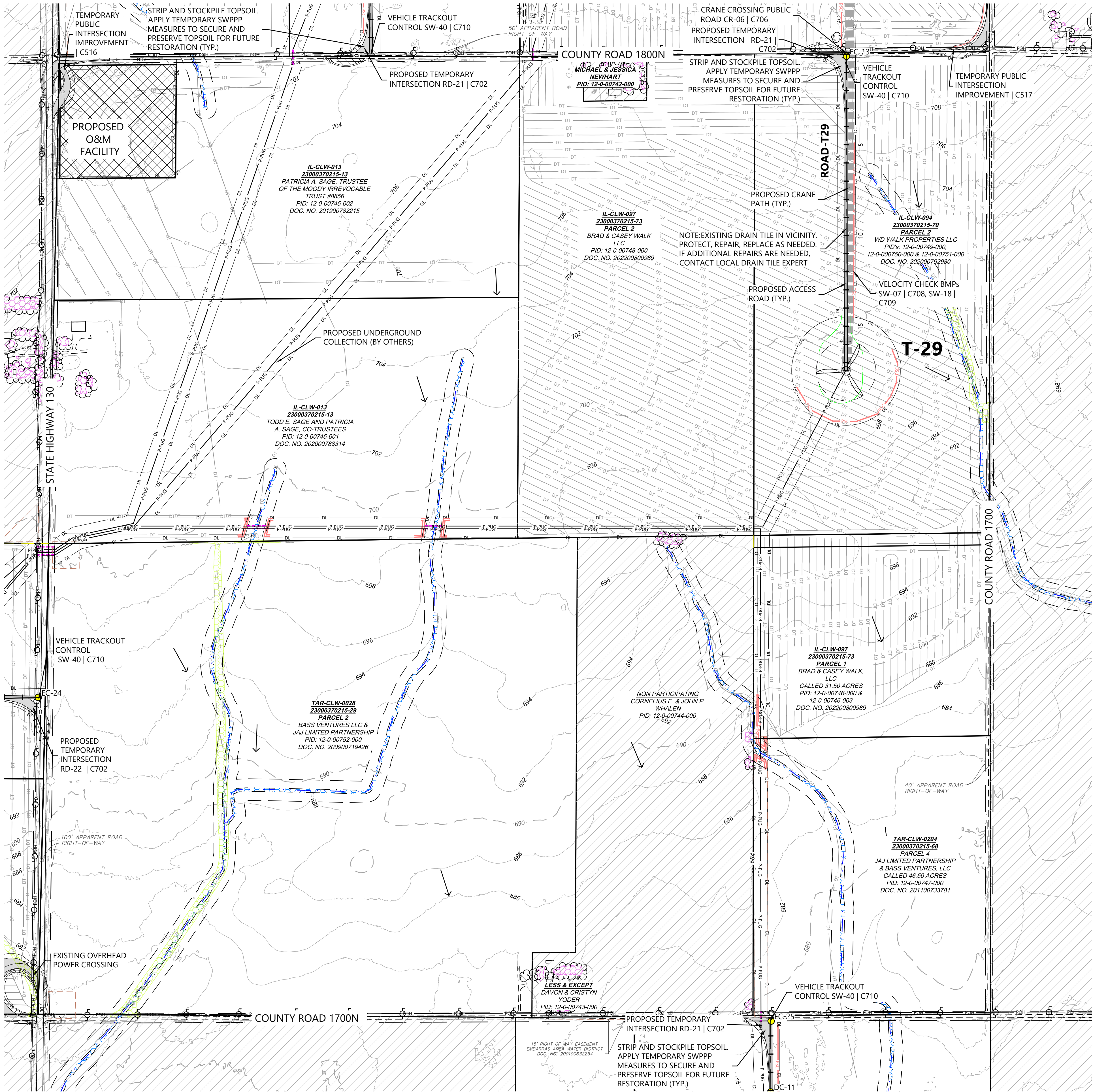
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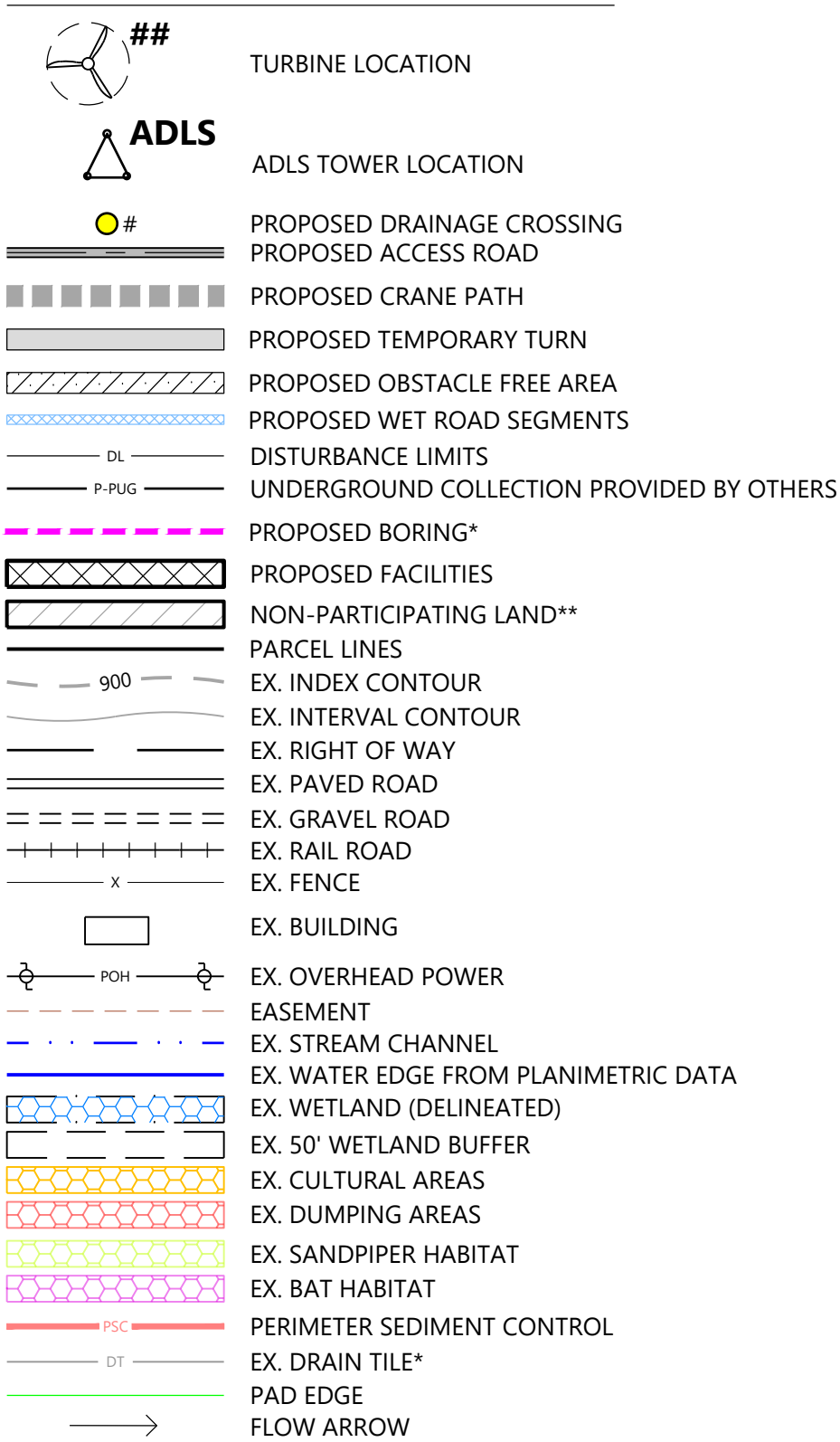
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REV: 3

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LEGEND:



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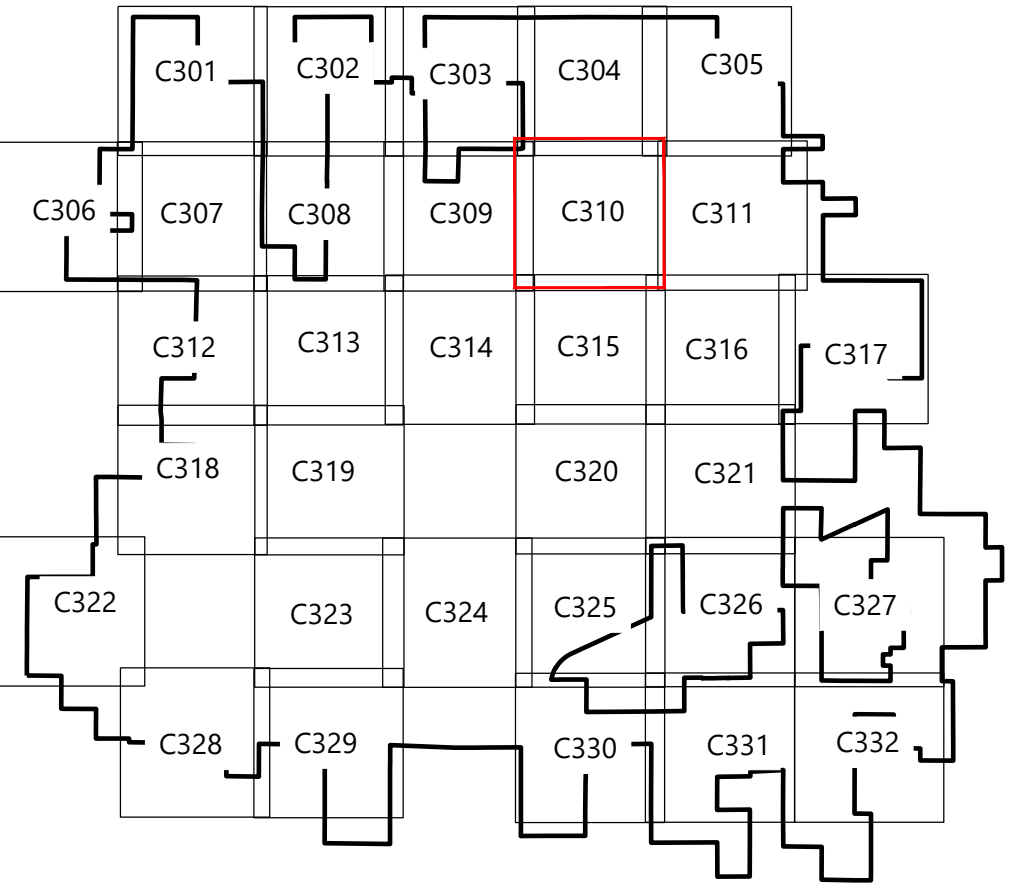
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KEYMAP:



PAIGE R. MORTENSON
062-077157
8/15/25
paigemortenson
C.E.P.: 11/30/25

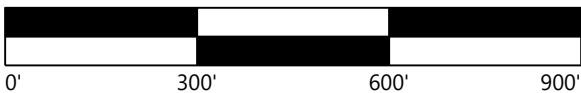
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120 Garrett St Suite 700
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3	08/15/2025	DFP REVISION	GN	PM	GN



Coles Wind Project

Coles County, Illinois

Site Plan - T29

ISSUED FOR CONSTRUCTION

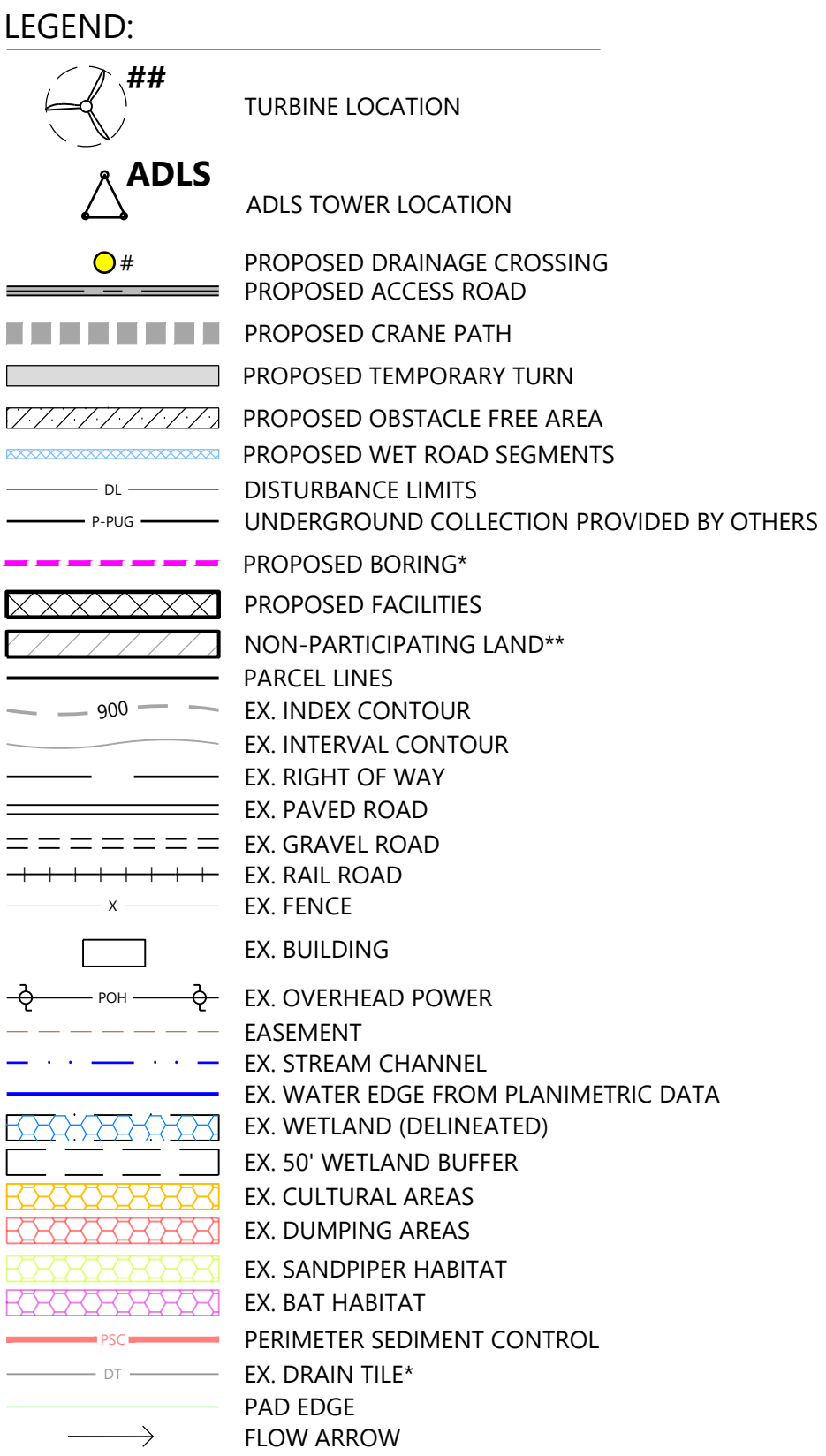
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REV: 3



REVISIONS:						
REV	DATE	COMMENT	BY	CHK	APP	
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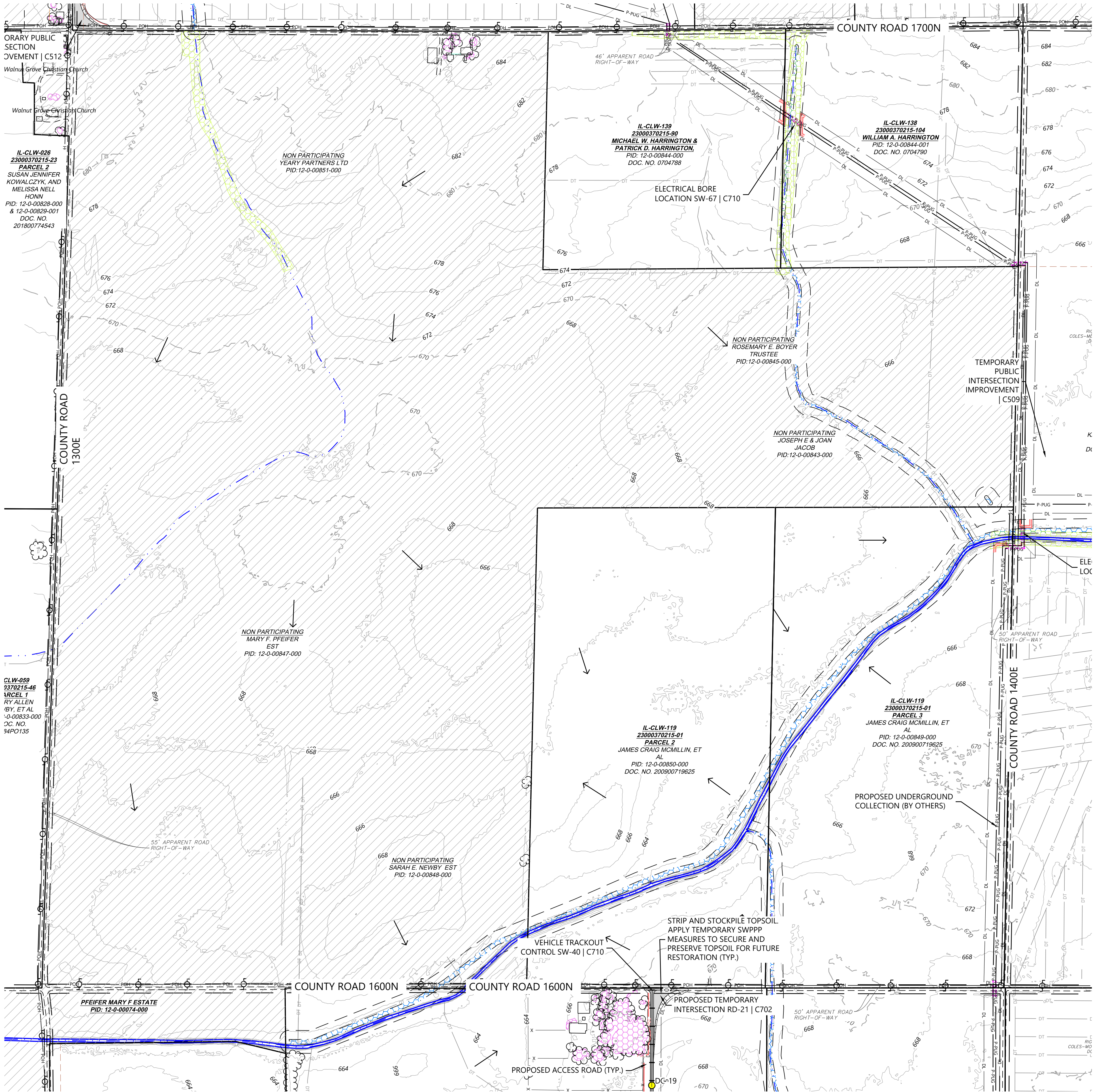
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Coles County, Illinois

ISSUED FOR CONSTRUCTION

SHEET: C311 3

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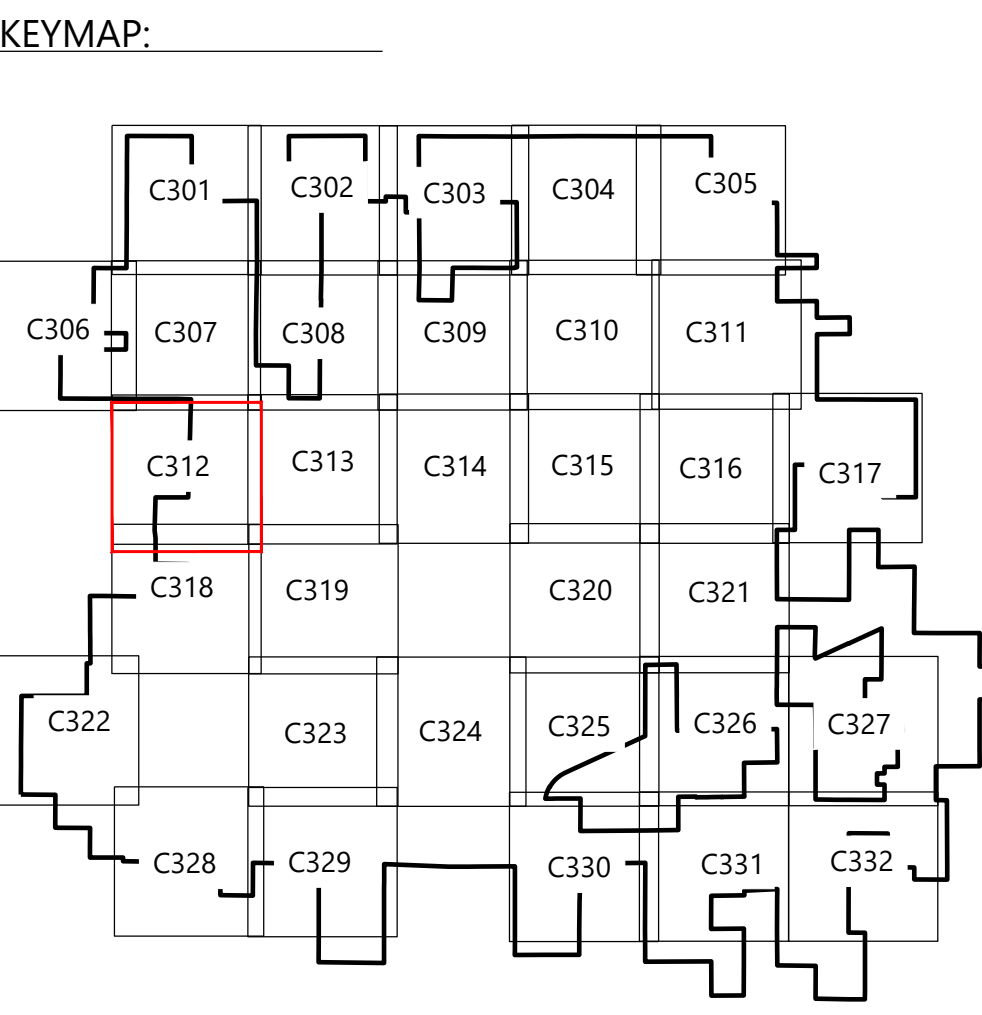


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- PROPOSED DRAINAGE CROSSING
- PROPOSED ACCESS ROAD
- PROPOSED CRANE PATH
- PROPOSED TEMPORARY TURN
- PROPOSED OBSTACLE FREE AREA
- PROPOSED WET ROAD SEGMENTS
- DISTURBANCE LIMITS
- UNDERGROUND COLLECTION PROVIDED BY OTHERS
- PROPOSED BORING*
- PROPOSED FACILITIES
- NON-PARTICIPATING LAND**
- PARCEL LINES
- EX. INDEX CONTOUR
- EX. INTERVAL CONTOUR
- EX. RIGHT OF WAY
- EX. PAVED ROAD
- EX. GRAVEL ROAD
- EX. RAIL ROAD
- EX. FENCE
- EX. BUILDING
- EX. OVERHEAD POWER
- EASEMENT
- EX. STREAM CHANNEL
- EX. WATER EDGE FROM PLANIMETRIC DATA
- EX. WETLAND (DELINEATED)
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- EX. CULTURAL AREAS
- EX. DUMPING AREAS
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- EX. BAT HABITAT
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- EX. DRAIN TILE*
- PAD EDGE
- FLOW ARROW

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Westwood Professional Services, Inc.

PAIGE R. MORTENSON
062-077157
8/15/25
Paige R. Mortenson
CPE: 11130125

PREPARED FOR:

120 Garrett St Suite 700
Charlottesville, VA 22902

REVISIONS:

#	DATE	COMMENT	BY	CHK	APP
0	07/25/2025	ISSUED FOR CONSTRUCTION	SL	GN	PM
1	07/29/2025	UPDATED ACCESS ROAD T-39/45	SL	GN	PM
2	08/08/2025	UPDATED TURBINE T-39/47	DM	GN	PM
3	08/15/2025	DFP REVISION	GN	PM	GN

Coles Wind Project

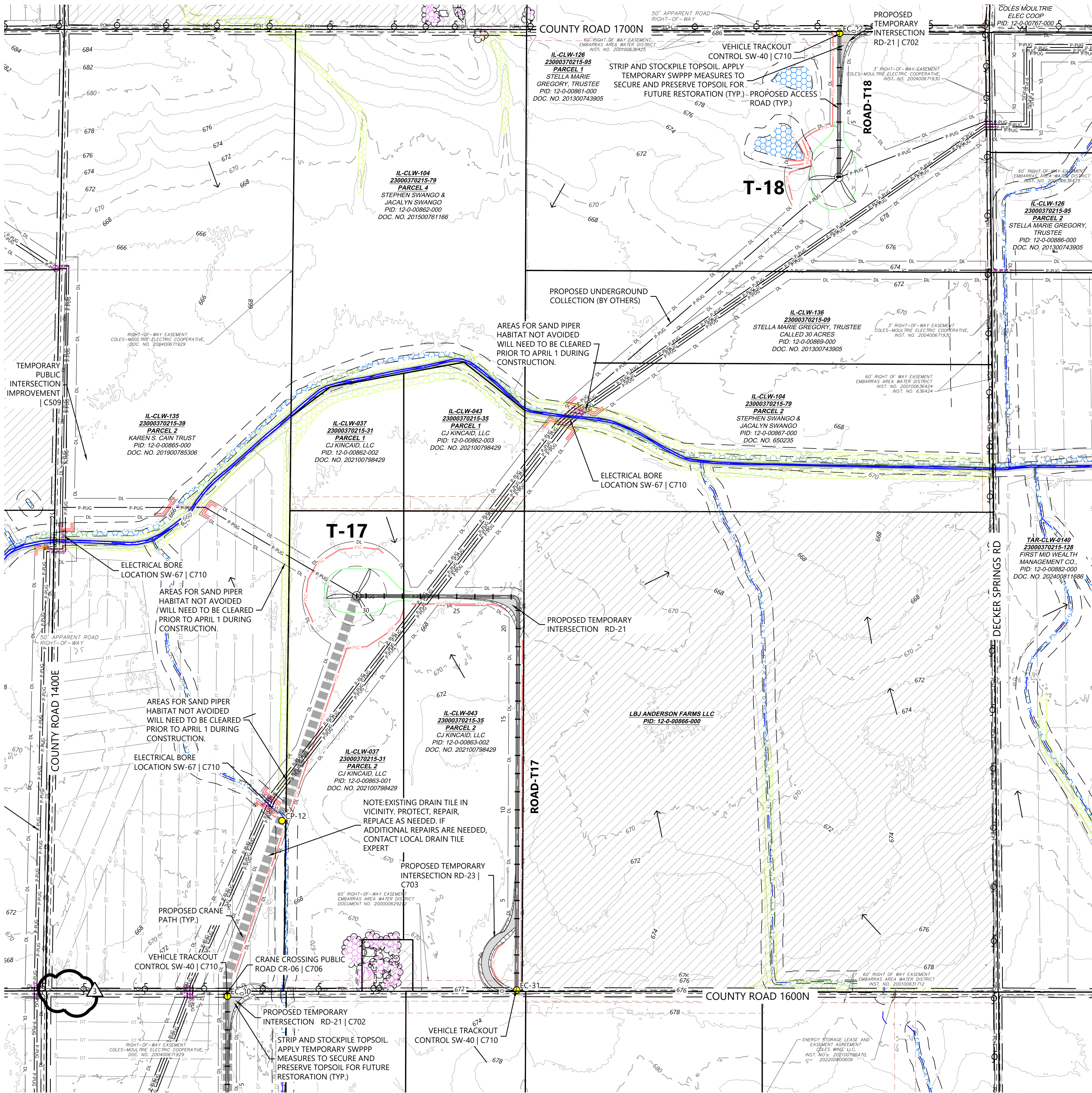
Coles County, Illinois

Site Plan - T16

ISSUED FOR CONSTRUCTION

DATE: 08/15/2025
SHEET: C312
REV: 3

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8/15/25
Paige R. Mortenson
C.E.T. 11130125

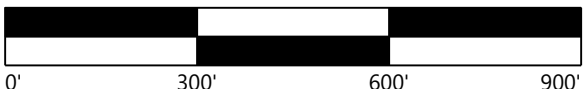
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120 Garrett St Suite 700
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3	08/15/2025	DFP REVISION	GN	PM	GN



Coles Wind Project

Coles County, Illinois

Site Plan - T17, T18

ISSUED FOR CONSTRUCTION

DATE: 08/15/2025

SHEET: C313

REV:

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062-077157
8/15/25
Paige Mortenson
CPE: 11130125

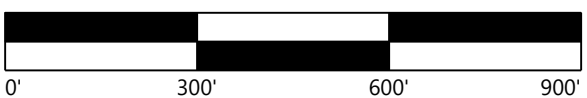
PREPARED FOR:



120 Garrett St Suite 700
Charlottesville, VA 22902

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3	08/15/2025	DFP REVISION	GN	PM	GN



Coles Wind Project

Coles County, Illinois

Site Plan - T19, T20

ISSUED FOR CONSTRUCTION

DATE: 08/15/2025

SHEET: C314

REV:

3

LEGEND:

- ## TURBINE LOCATION
- ADLS ADLS TOWER LOCATION
- PROPOSED DRAINAGE CROSSING
- PROPOSED ACCESS ROAD
- PROPOSED CRANE PATH
- PROPOSED TEMPORARY TURN
- PROPOSED OBSTACLE FREE AREA
- PROPOSED WET ROAD SEGMENTS
- DISTURBANCE LIMITS
- UNDERGROUND COLLECTION PROVIDED BY OTHERS
- PROPOSED BORING*
- PROPOSED FACILITIES
- NON-PARTICIPATING LAND**
- PARCEL LINES
- EX. INDEX CONTOUR
- EX. INTERVAL CONTOUR
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- EX. PAVED ROAD
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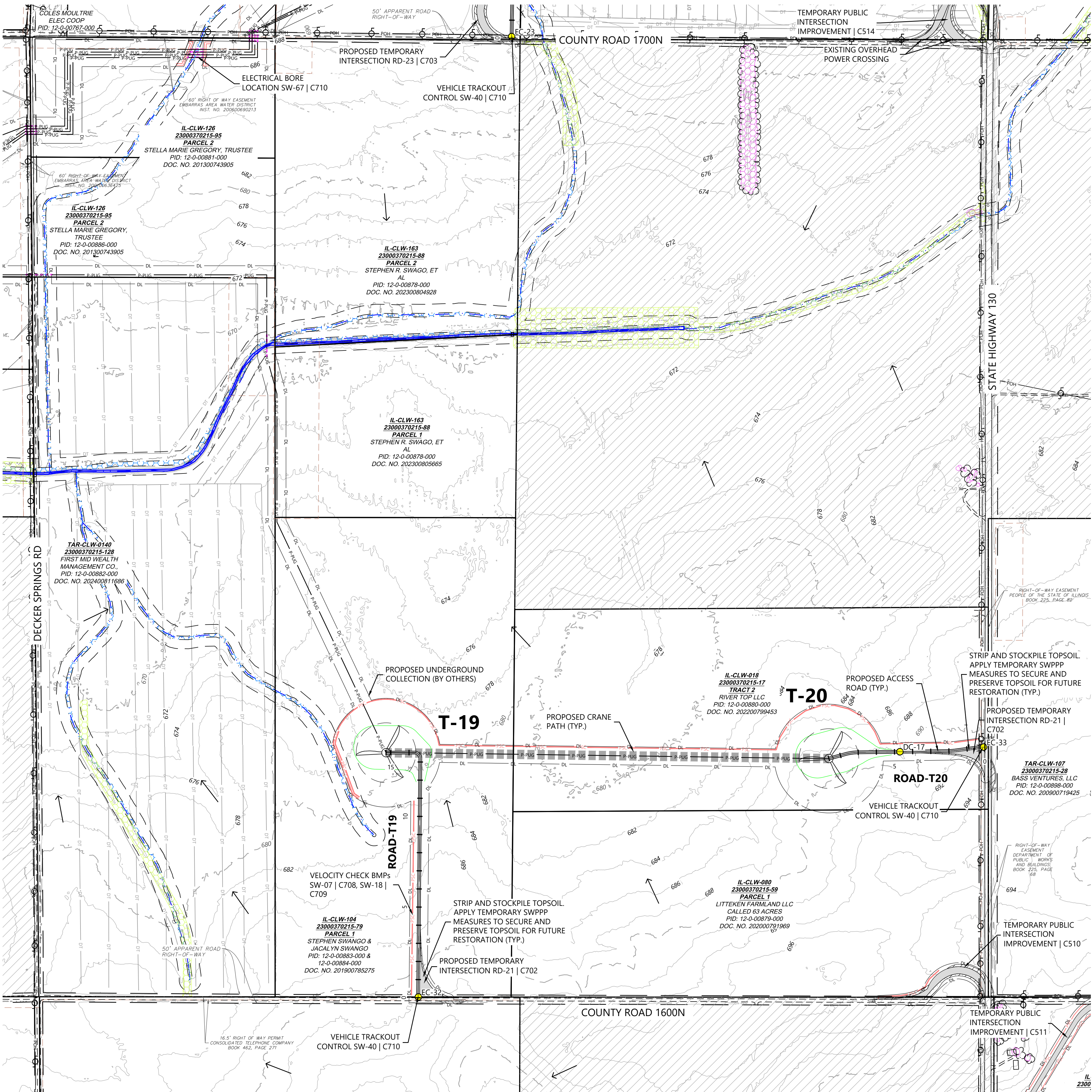
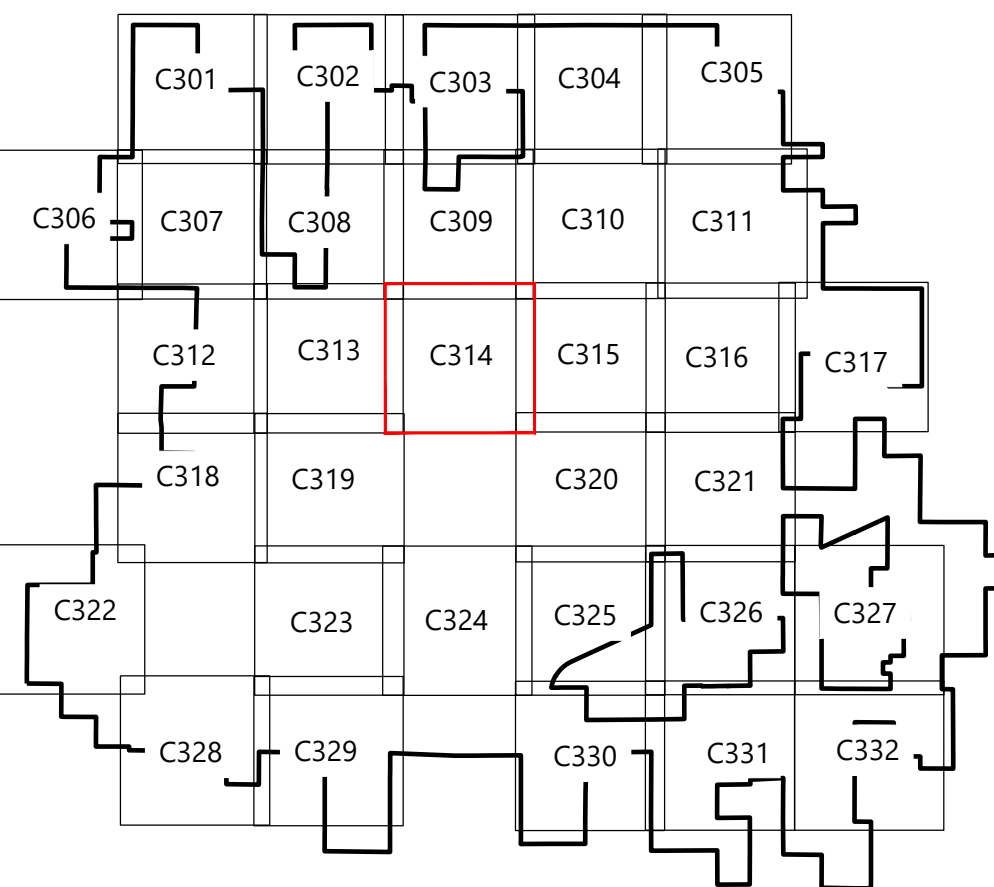
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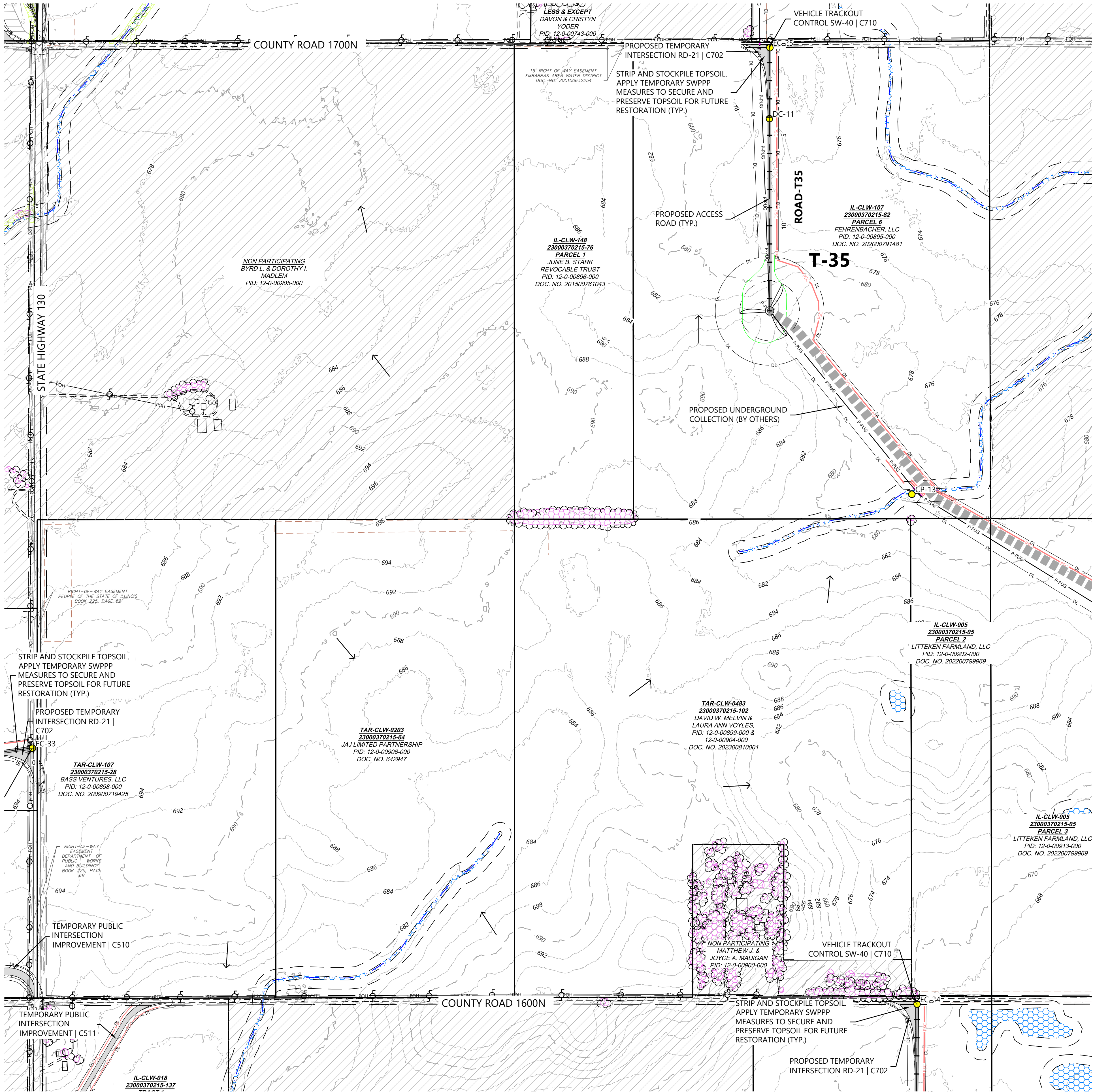
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KEYMAP:



\\001262811 CAD_Gen\\04269101\\C315-01.dwg 8/15/2025 1:30:14 Cabinet Notes



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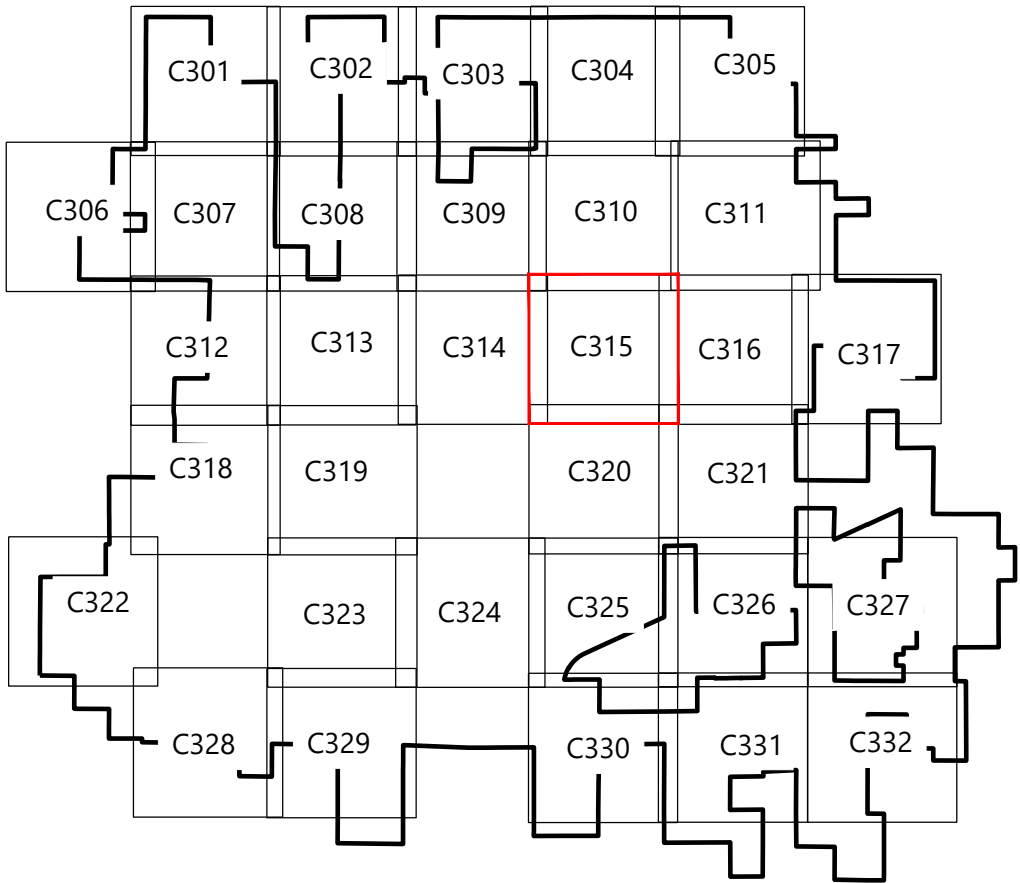
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KEYMAP:

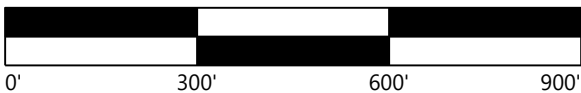


PREPARED FOR:



120 Garrett St Suite 700
Charlottesville, VA 22902

REVISIONS:				
#	DATE	COMMENT	BY	CHK
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2	08/08/2025	UPDATED TURBINE T-39/47	DM	GN
3	08/15/2025	DFP REVISION	GN	PM



Coles Wind Project

Coles County, Illinois

Site Plan - T35

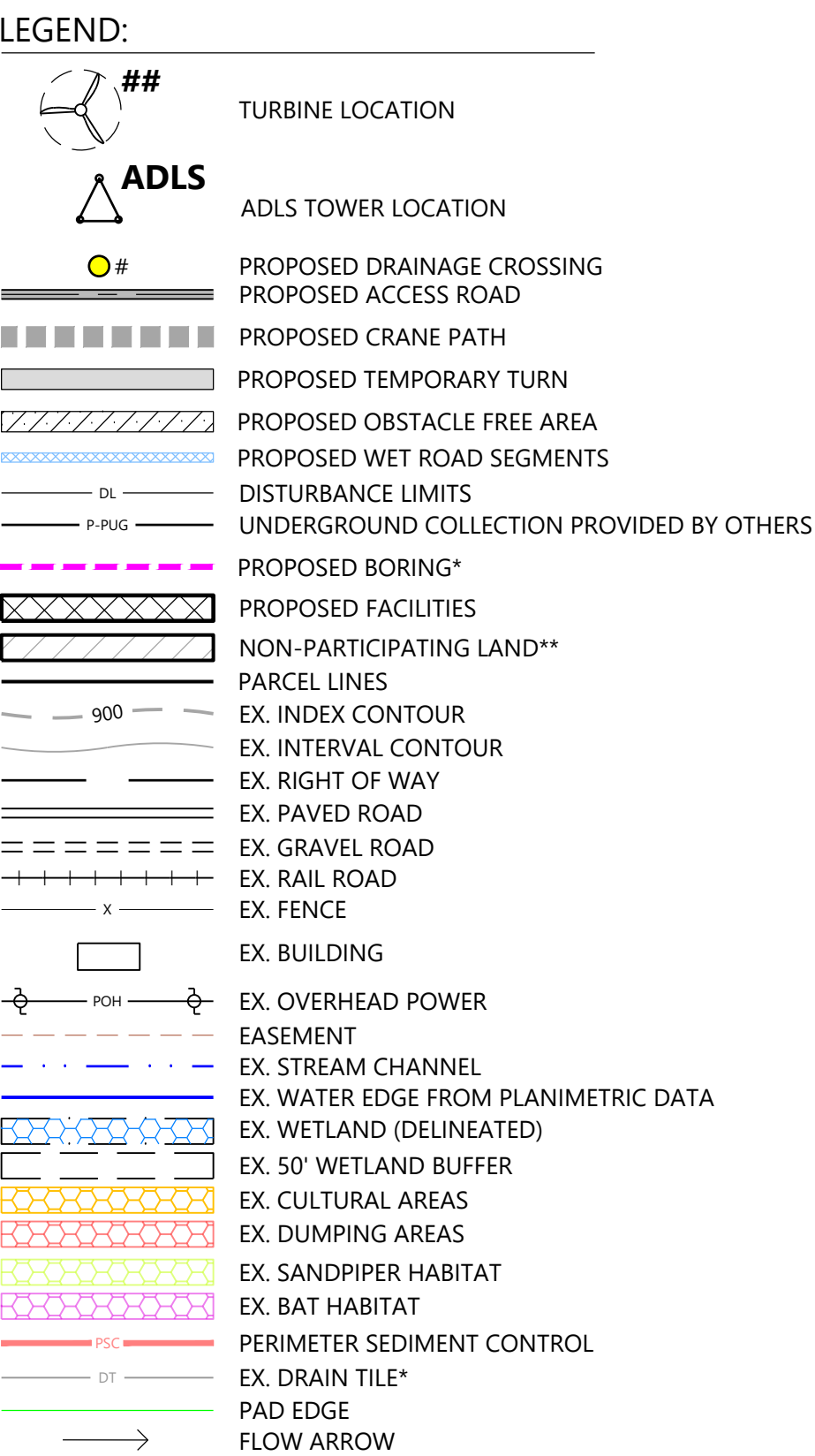
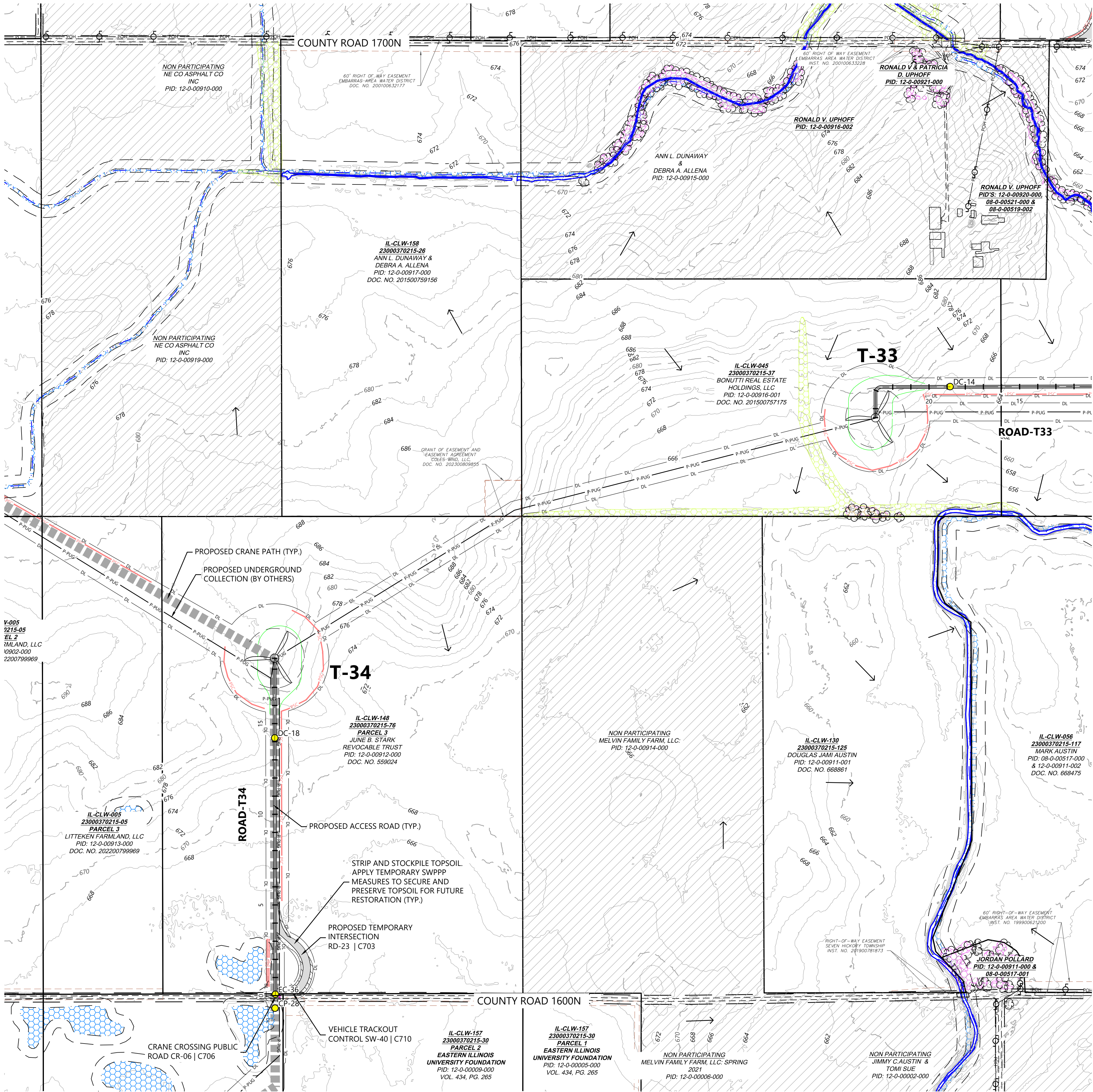
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DATE: 08/15/2025

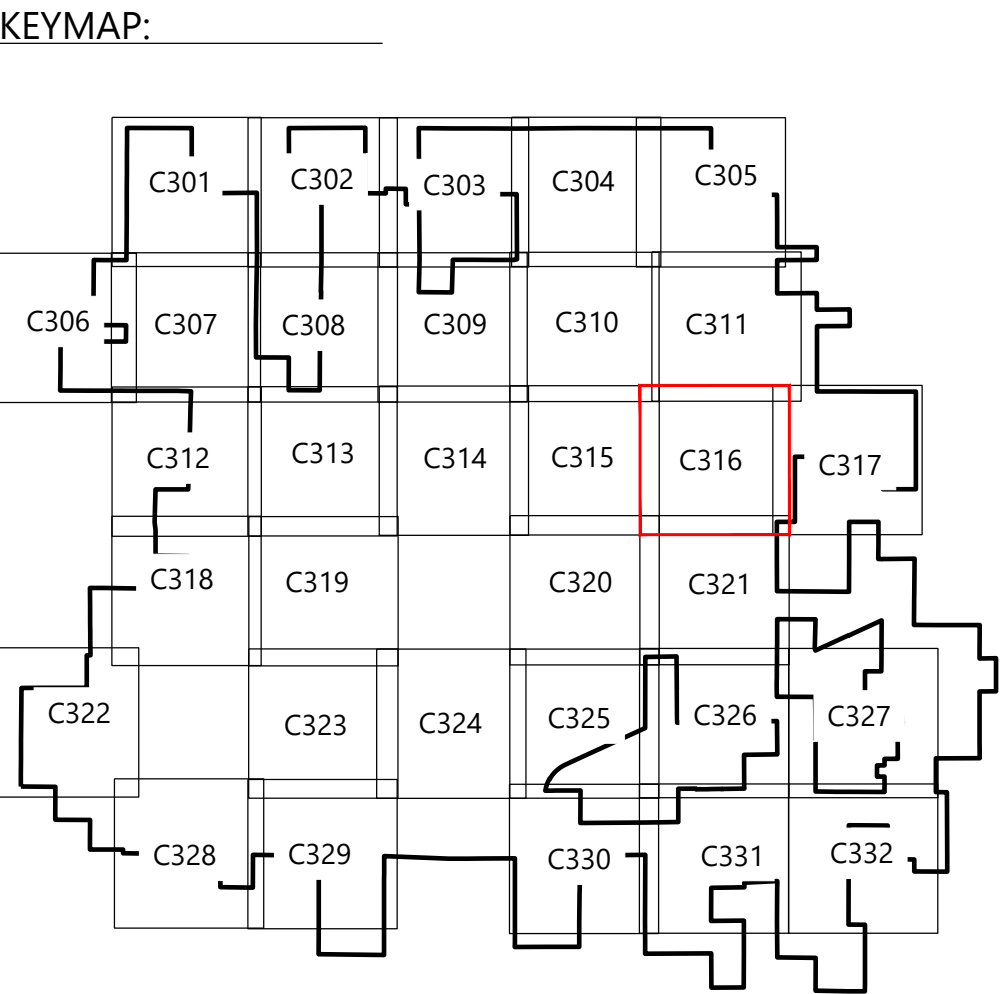
SHEET: C315

REV: 3

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Paige R. Mortenson
C.E.P.: 11130125

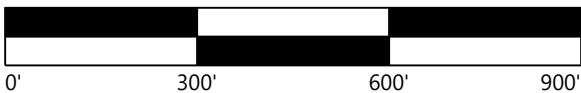
PREPARED FOR:



120 Garrett St Suite 700
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Coles Wind Project

Coles County, Illinois

Site Plan - T32, T33,
T34

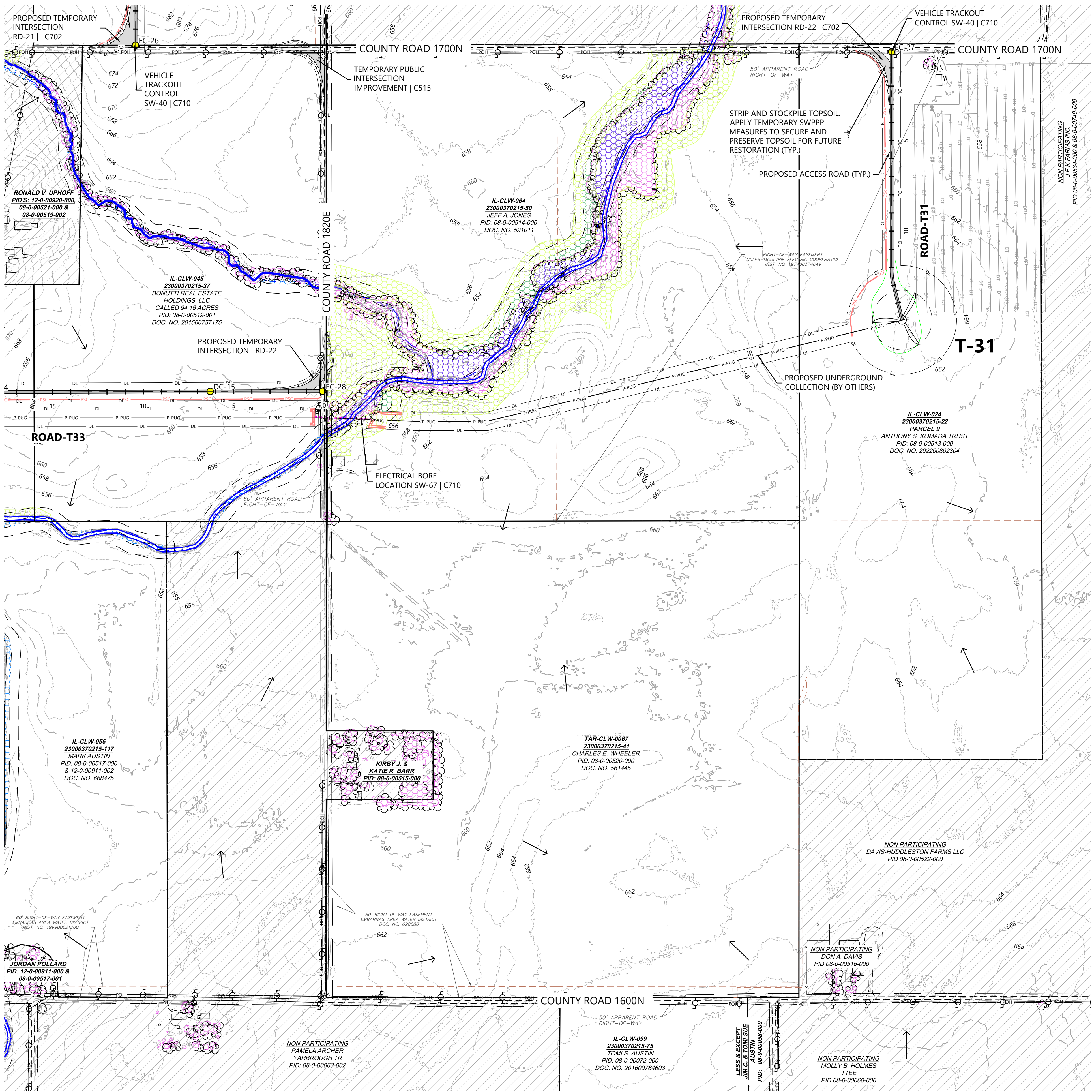
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DATE: 08/15/2025

SHEET: C316

REV: 3

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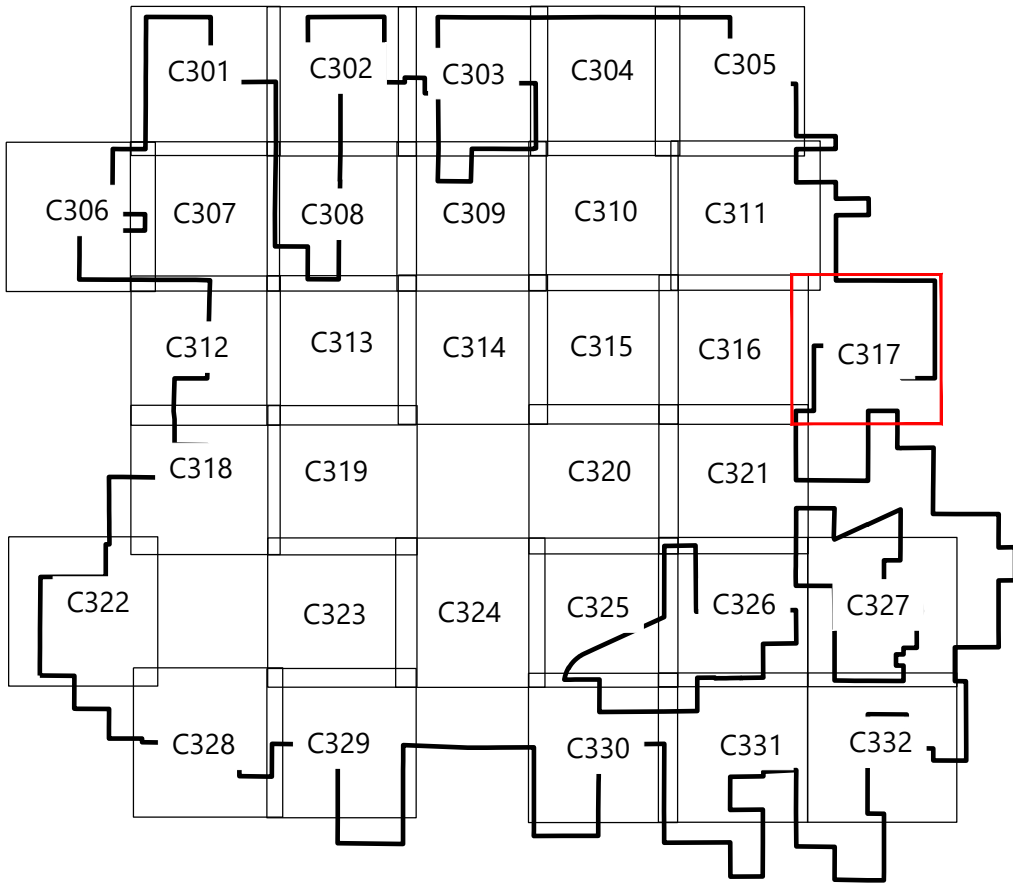
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KEYMAP:



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8/15/25
Paige Mortenson
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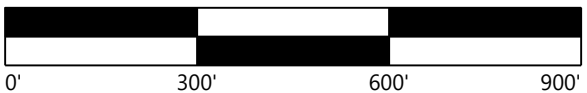
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Coles Wind Project

Coles County, Illinois

Site Plan - T31

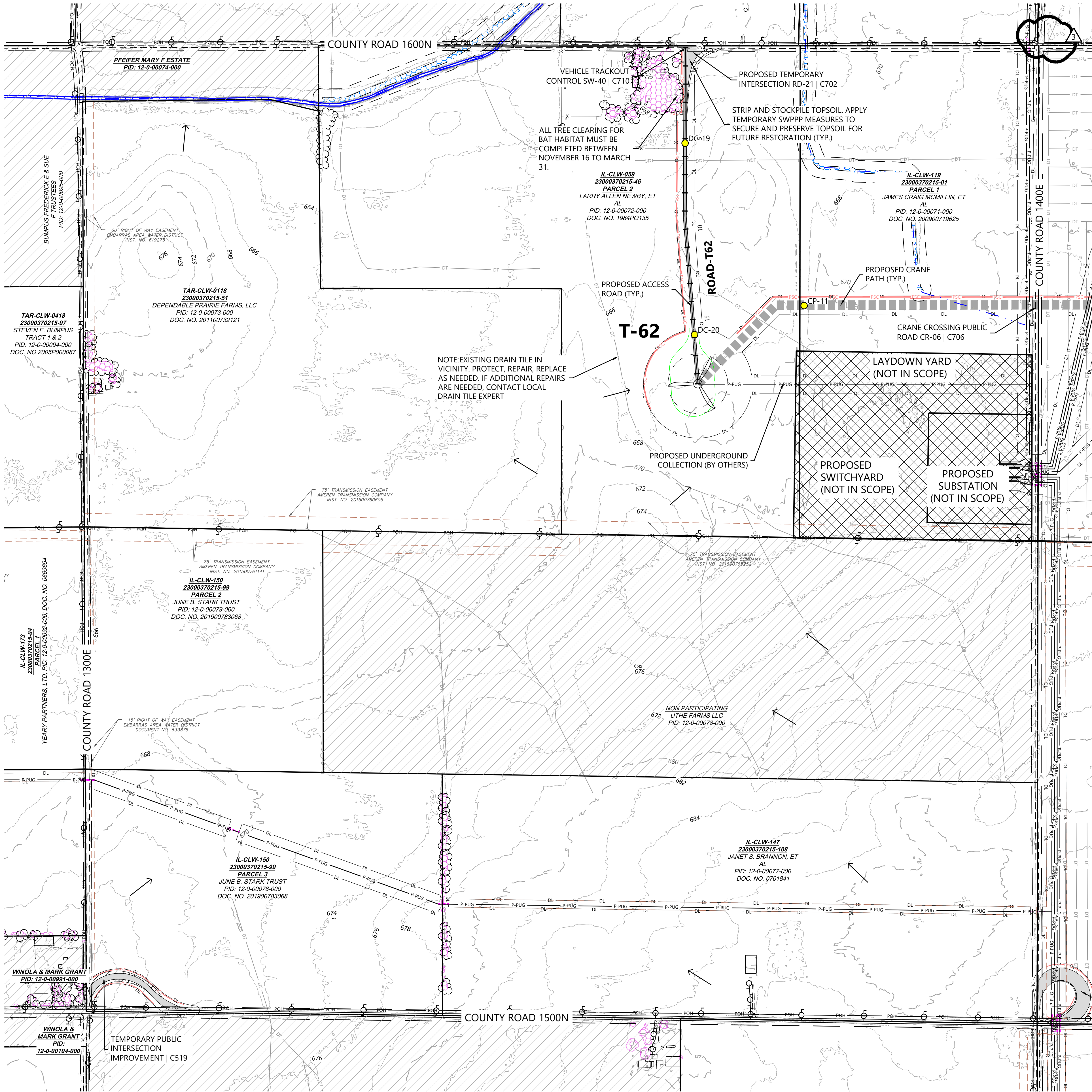
ISSUED FOR CONSTRUCTION

DATE: 08/15/2025

SHEET: C317

REV: 3

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LEGEND:

- ## TURBINE LOCATION
- ADLS ADLS TOWER LOCATION
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- PROPOSED CRANE PATH
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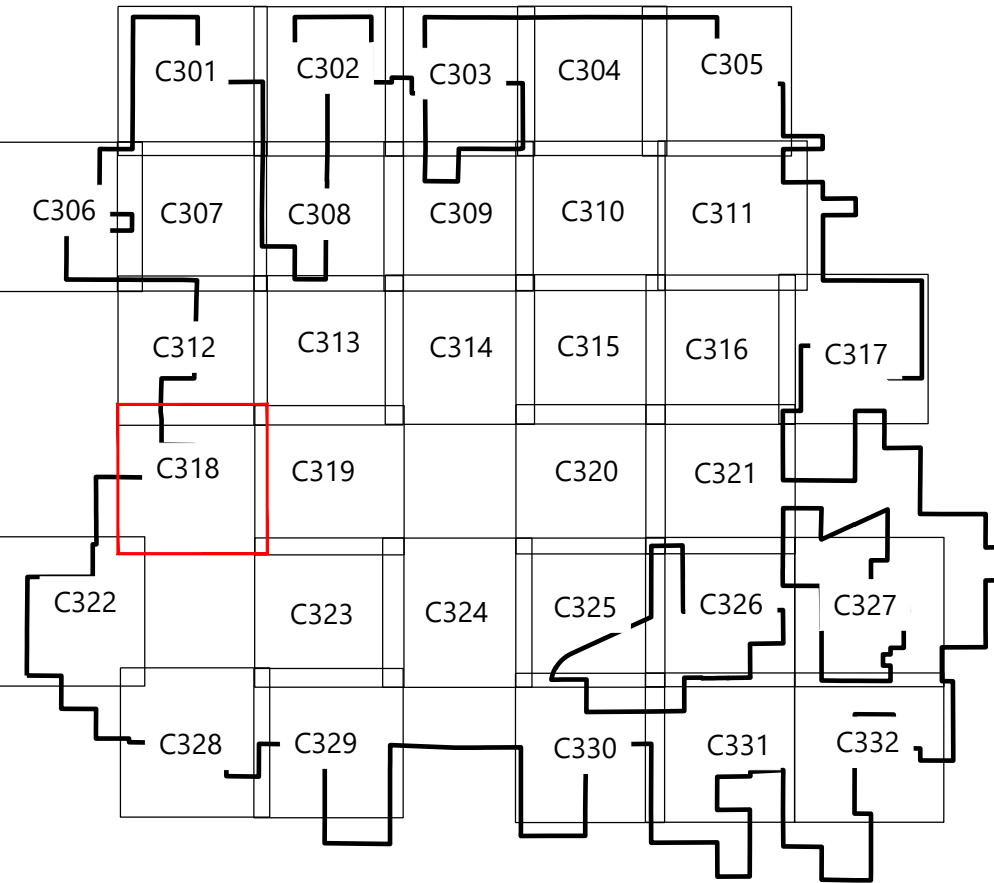
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 - CHANNEL STABILIZATION OF CONCENTRATED FLOW AREAS

KEYMAP:



8/15/25
Paige Mortenson
CPE: 11130125

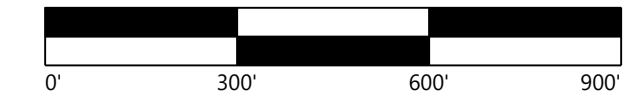
PREPARED FOR:



120 Garrett St Suite 700
Charlottesville, VA 22902

REVISIONS:

#	DATE	COMMENT	BY	CHK	APR
0	07/25/2025	ISSUED FOR CONSTRUCTION	SL	GN	PM
1	07/29/2025	UPDATED ACCESS ROAD T-39/45	SL	GN	PM
2	08/08/2025	UPDATED TURBINE T-39/47	DM	GN	PM
3	08/15/2025	DFP REVISION	GN	PM	GN



Coles Wind Project

Coles County, Illinois

Site Plan - T62

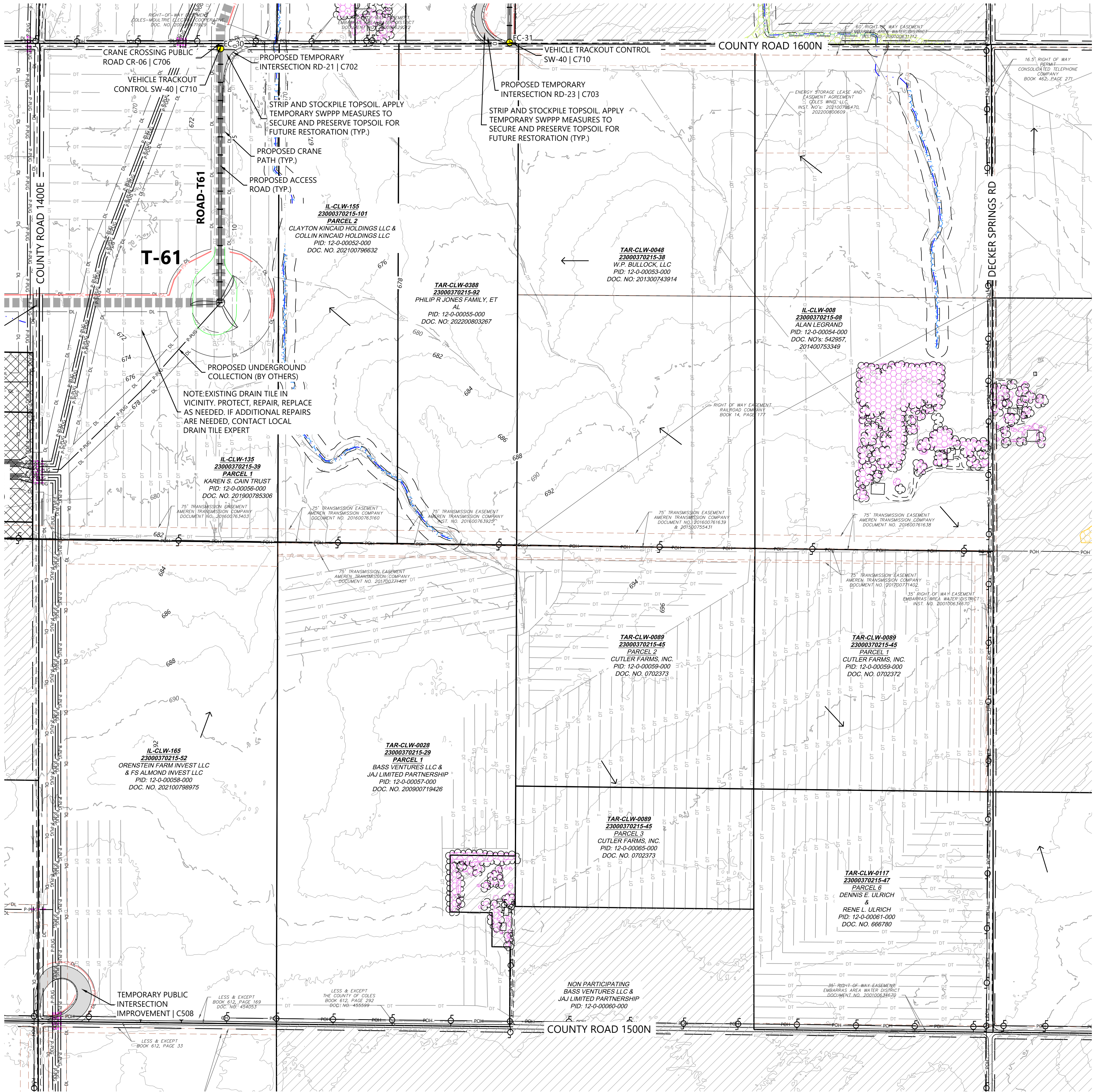
ISSUED FOR CONSTRUCTION

DATE: 08/15/2025

SHEET: C318

REV: 3

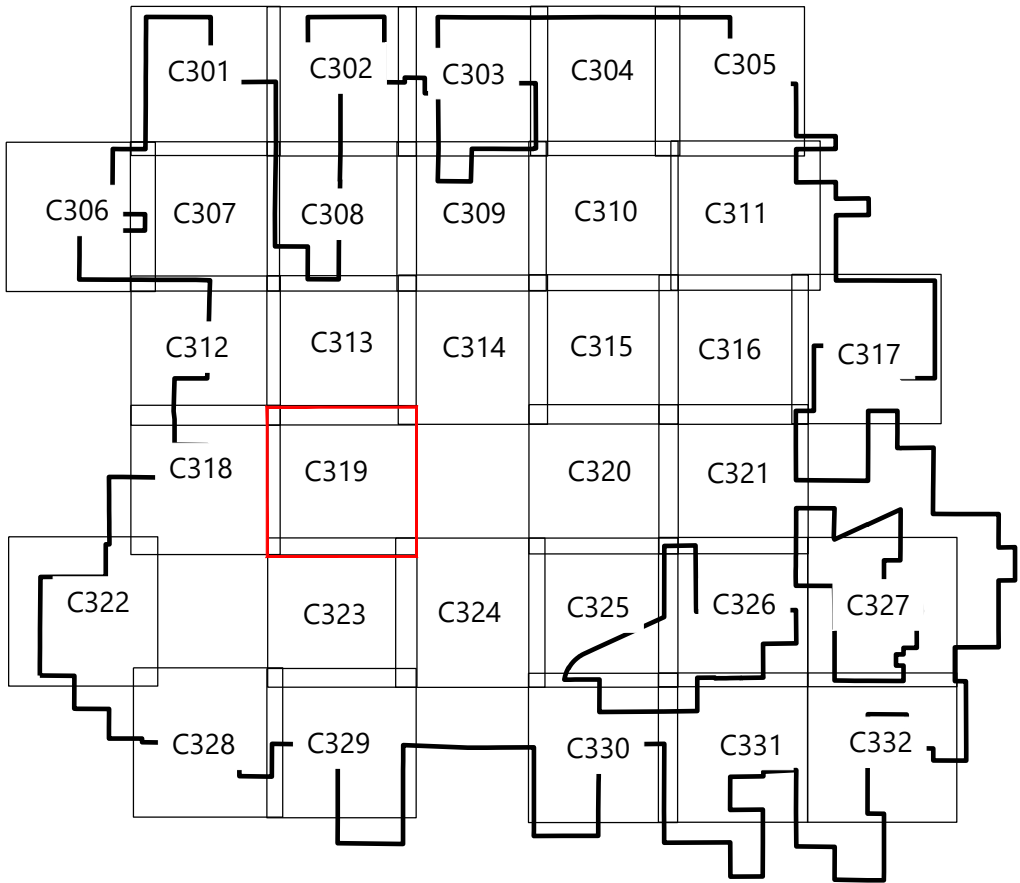
\\0012782311_CAD_Civil\\0269101_C319.dwg 8/15/2025 3:36 PM Gabriel Natera



- LEGEND:
- ## TURBINE LOCATION
 - ADLS ADLS TOWER LOCATION
 - PROPOSED DRAINAGE CROSSING
 - PROPOSED ACCESS ROAD
 - PROPOSED CRANE PATH
 - PROPOSED TEMPORARY TURN
 - PROPOSED OBSTACLE FREE AREA
 - PROPOSED WET ROAD SEGMENTS
 - DISTURBANCE LIMITS
 - UNDERGROUND COLLECTION PROVIDED BY OTHERS
 - PROPOSED BORING*
 - PROPOSED FACILITIES
 - NON-PARTICIPATING LAND**
 - PARCEL LINES
 - EX. INDEX CONTOUR
 - EX. INTERVAL CONTOUR
 - EX. RIGHT OF WAY
 - EX. PAVED ROAD
 - EX. GRAVEL ROAD
 - EX. RAIL ROAD
 - EX. FENCE
 - EX. BUILDING
 - EX. OVERHEAD POWER
 - EASEMENT
 - EX. STREAM CHANNEL
 - EX. WATER EDGE FROM PLANIMETRIC DATA
 - EX. WETLAND (DELINEATED)
 - EX. 50' WETLAND BUFFER
 - EX. CULTURAL AREAS
 - EX. DUMPING AREAS
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KEYMAP:



Westwood

Phone (214) 473-4640 2901 Dallas Parkway, Suite 400
TollFree (888) 937-5150 Plano, TX 75093
westwoodps.com

Westwood Professional Services, Inc.



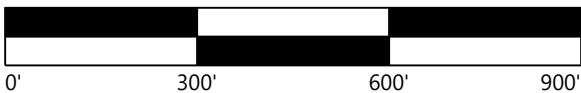
8/15/25
Paige Mortenson
CPE: 11130125

PREPARED FOR:



120 Garrett St Suite 700
Charlottesville, VA 22902

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3	08/15/2025	DFP REVISION	GN	PM



Coles Wind Project

Coles County, Illinois

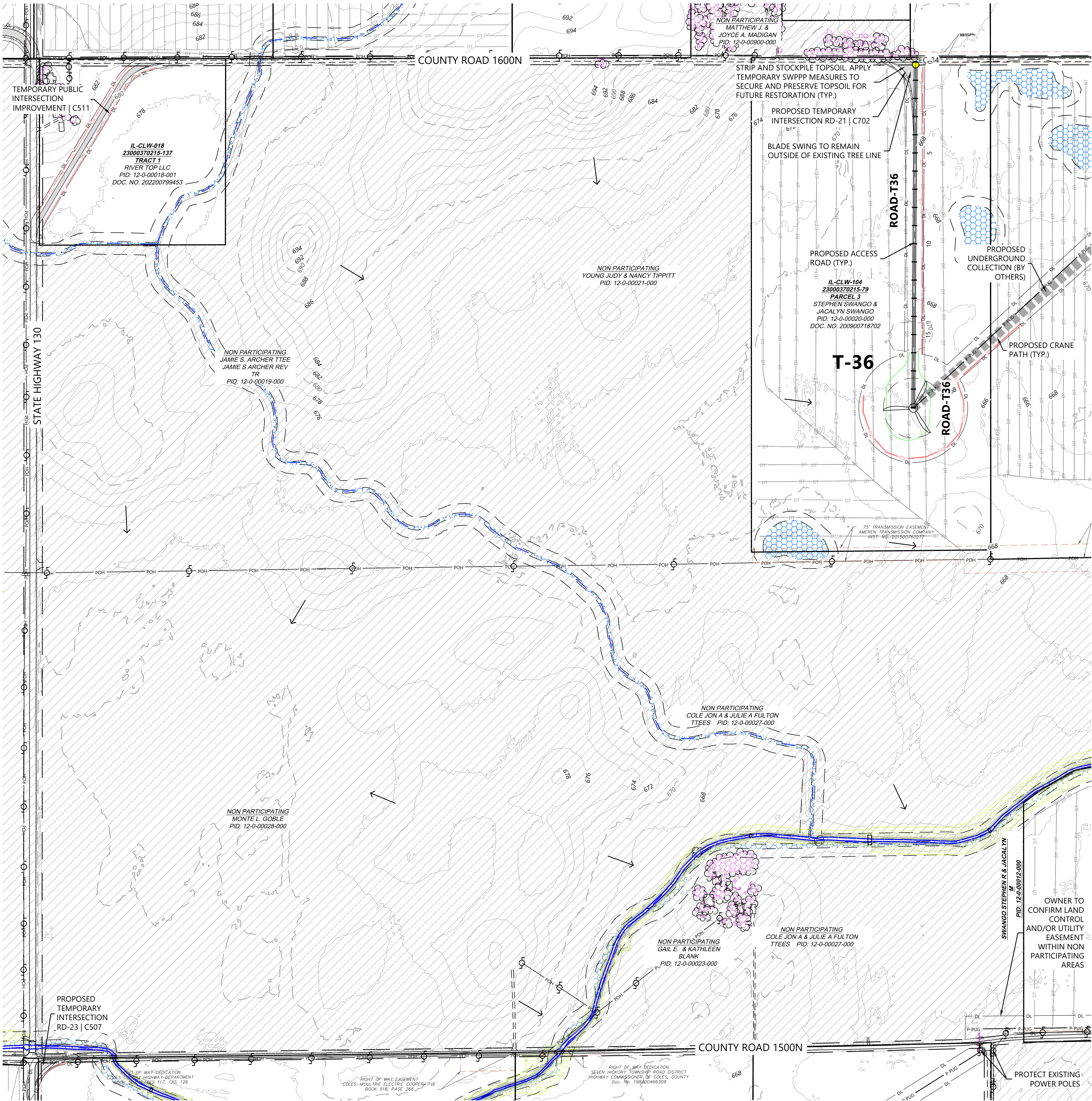
Site Plan - T61

ISSUED FOR CONSTRUCTION

DATE: 08/15/2025

SHEET: C319

REV: 3

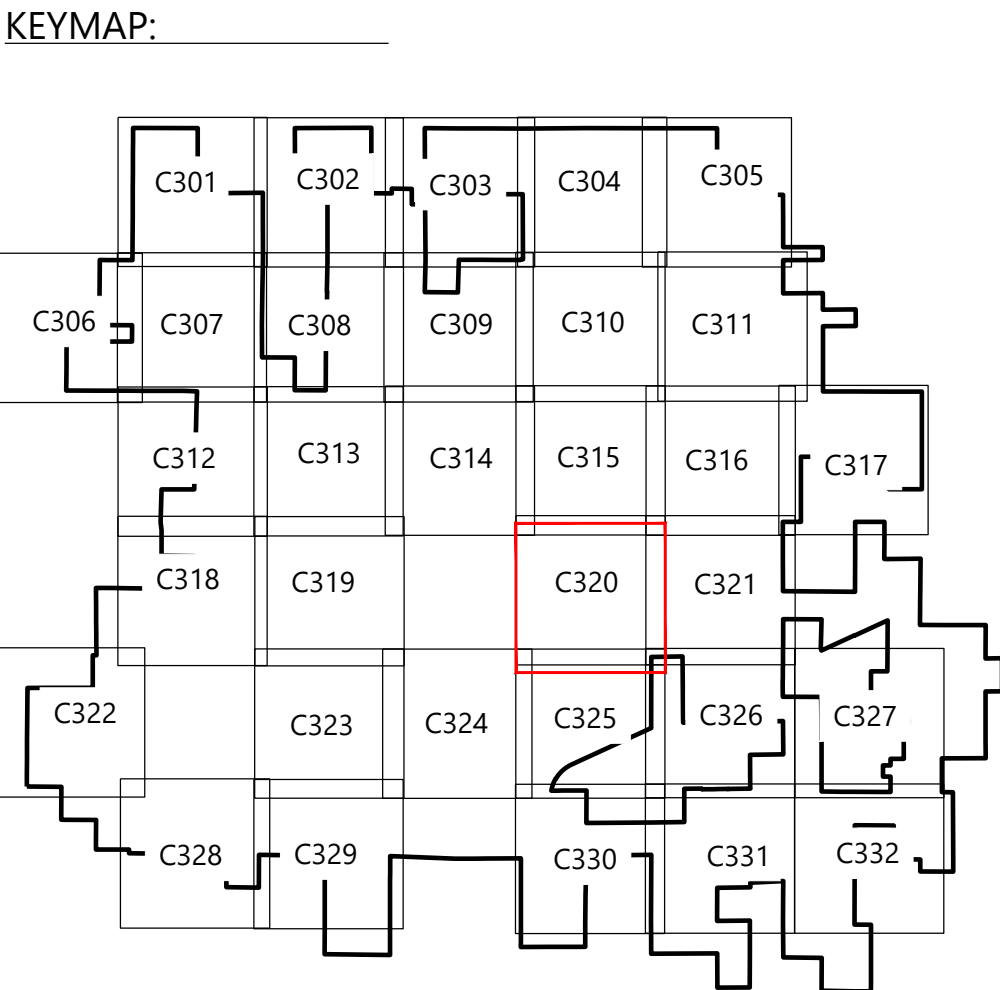


LEGEND:

- TURBINE LOCATION
- ADLS TOWER LOCATION
- PROPOSED DRAINAGE CROSSING
- PROPOSED ACCESS ROAD
- PROPOSED CRANE PATH
- PROPOSED TEMPORARY TURN
- PROPOSED OBSTACLE FREE AREA
- PROPOSED WET ROAD SEGMENTS
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- PROPOSED BORING*
- PROPOSED FACILITIES
- NON-PARTICIPATING LAND**
- PARCEL LINES
- EX. INDEX CONTOUR
- EX. INTERVAL CONTOUR
- EX. RIGHT OF WAY
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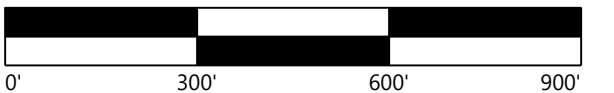


PREPARED FOR:



120 Garrett St Suite 700
Charlottesville, VA 22902

REVISIONS:				
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Coles Wind Project

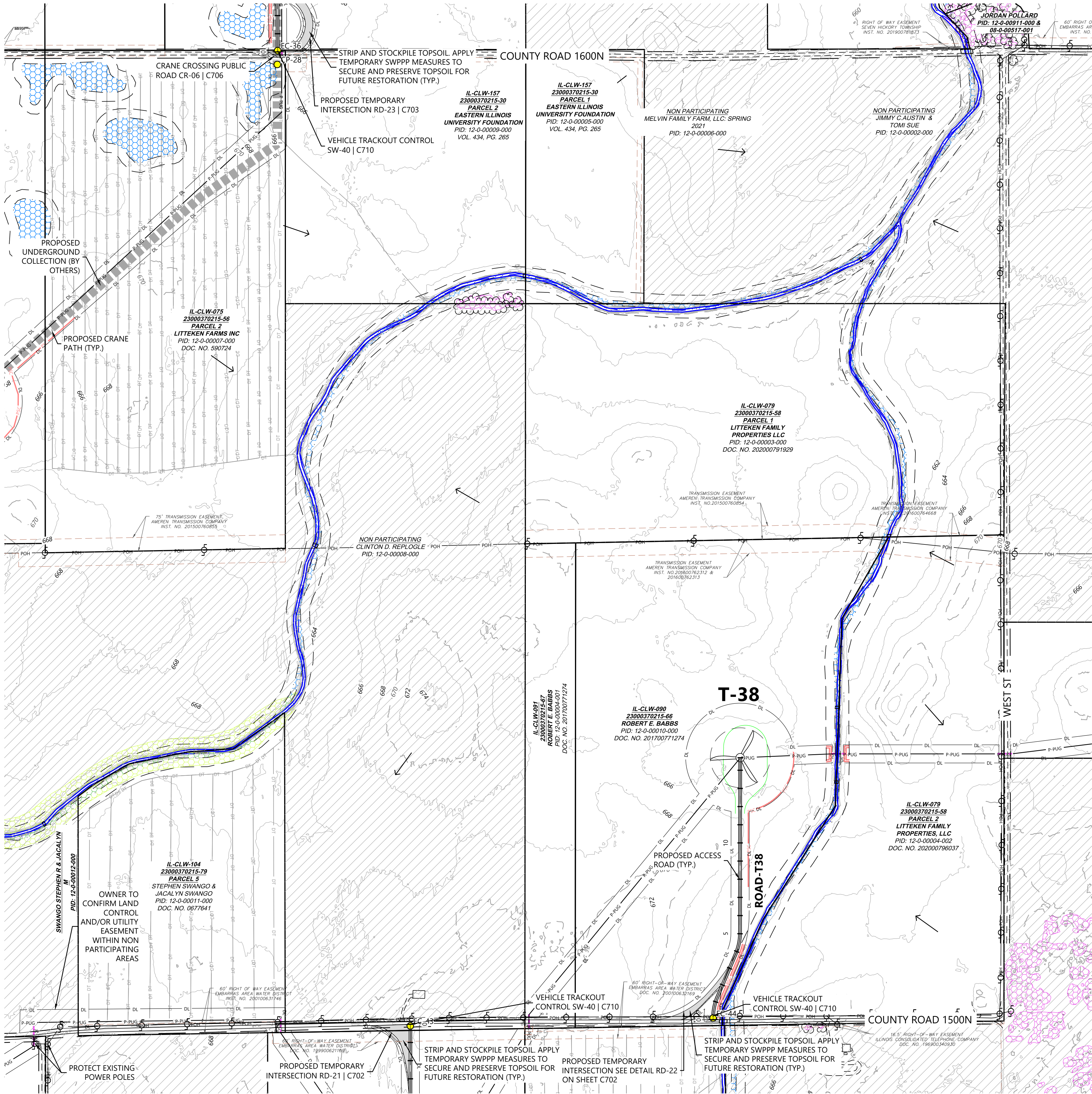
Coles County, Illinois

Site Plan - T36

ISSUED FOR CONSTRUCTION

DATE: 08/15/2025
SHEET: C320
REV: 3

\\001278281-1 CAD_GW02060101-C32-02.dwg 8/15/2025 3:37 PM Gailan Rader



LEGEND:

- ## TURBINE LOCATION
- ADLS ADLS TOWER LOCATION
- PROPOSED DRAINAGE CROSSING
- PROPOSED ACCESS ROAD
- PROPOSED CRANE PATH
- PROPOSED TEMPORARY TURN
- PROPOSED OBSTACLE FREE AREA
- PROPOSED WET ROAD SEGMENTS
- DISTURBANCE LIMITS
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- PROPOSED BORING*
- PROPOSED FACILITIES
- NON-PARTICIPATING LAND**
- PARCEL LINES
- EX. INDEX CONTOUR
- EX. INTERVAL CONTOUR
- EX. RIGHT OF WAY
- EX. PAVED ROAD
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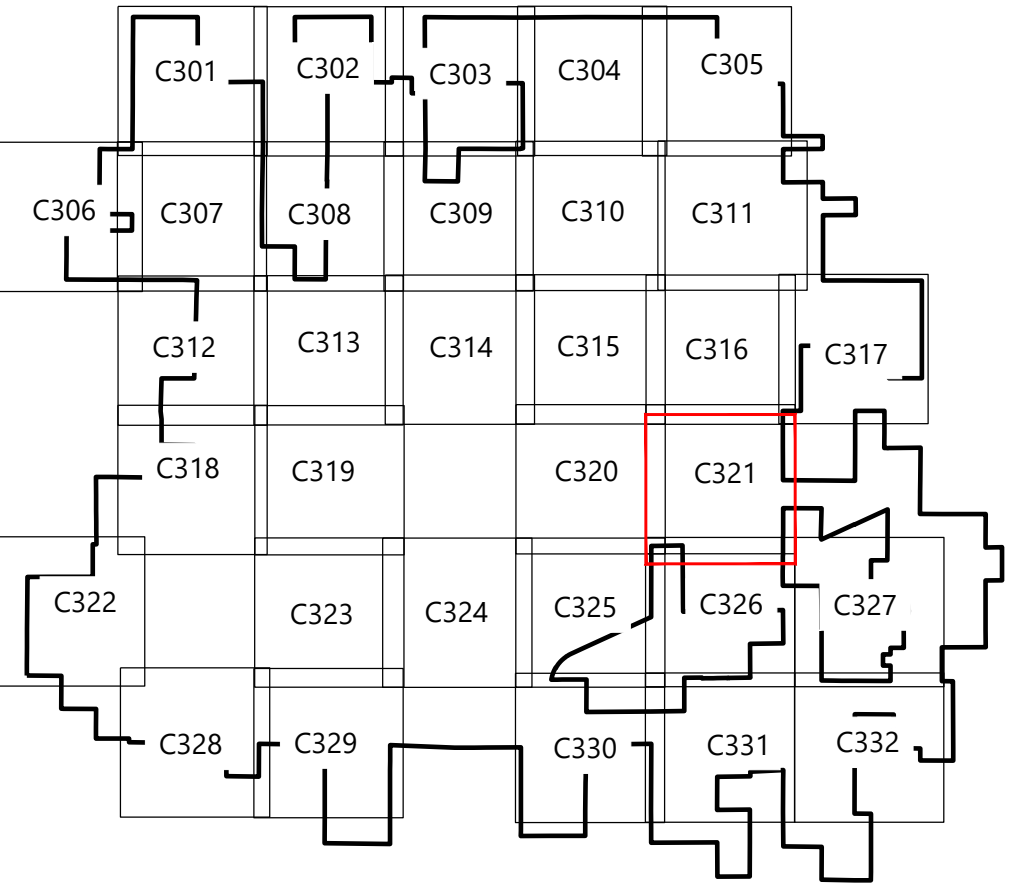
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KEYMAP:



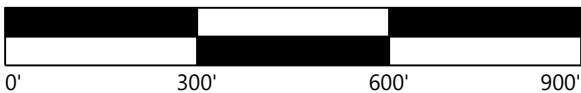
PREPARED FOR:



120 Garrett St Suite 700
Charlottesville, VA 22902

REVISIONS:

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3	08/15/2025	DFP REVISION	GN	PM	GN



Coles Wind Project

Coles County, Illinois

Site Plan - T37, T38

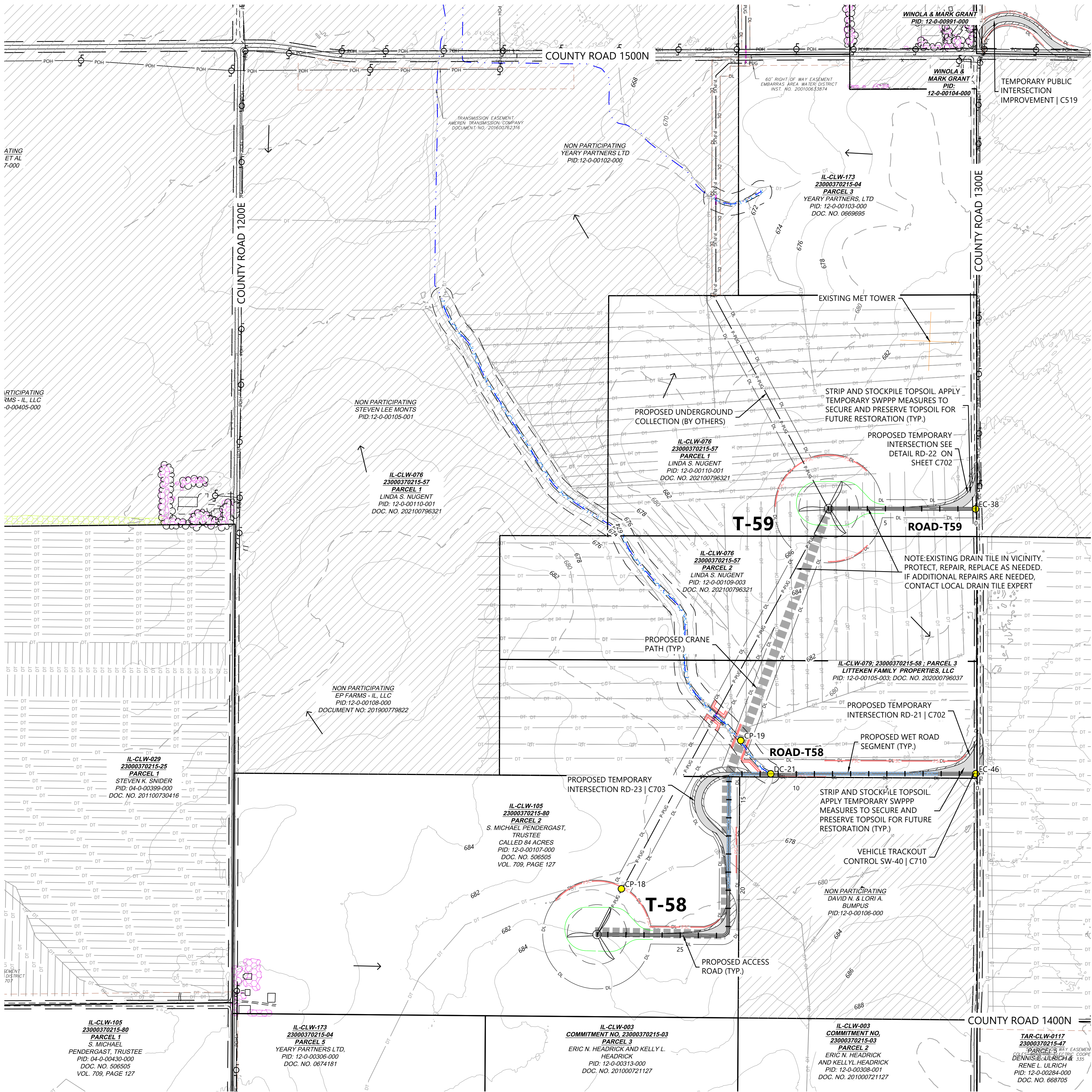
ISSUED FOR CONSTRUCTION

DATE: 08/15/2025

SHEET: C321

REV: 3

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LEGEND:

- ## TURBINE LOCATION
- ADLS ADLS TOWER LOCATION
- # PROPOSED DRAINAGE CROSSING
- PROPOSED ACCESS ROAD
- PROPOSED CRANE PATH
- PROPOSED TEMPORARY TURN
- PROPOSED OBSTACLE FREE AREA
- PROPOSED WET ROAD SEGMENTS
- DISTURBANCE LIMITS
- UNDERGROUND COLLECTION PROVIDED BY OTHERS
- PROPOSED BORING*
- PROPOSED FACILITIES
- NON-PARTICIPATING LAND**
- PARCEL LINES
- EX. INDEX CONTOUR
- EX. INTERVAL CONTOUR
- EX. RIGHT OF WAY
- EX. PAVED ROAD
- EX. GRAVEL ROAD
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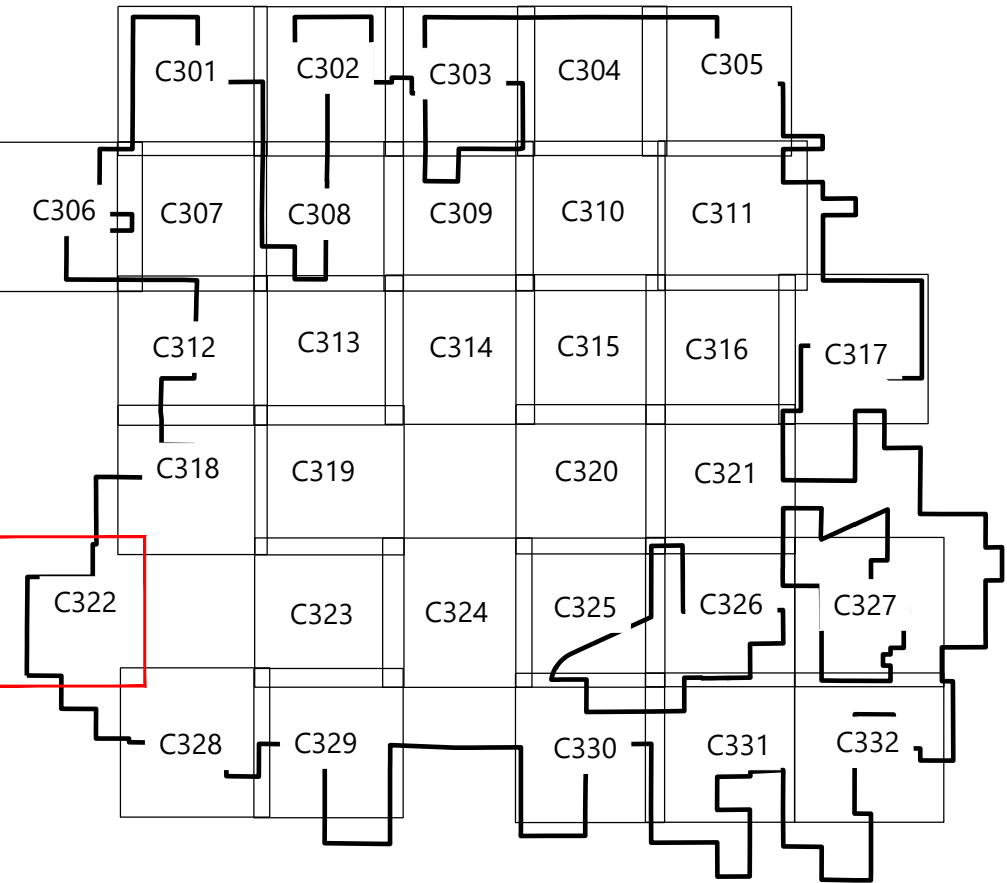
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KEYMAP:



8/15/25
Paige R. Mortenson
C.E.P.: 11130125

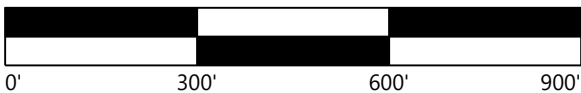
PREPARED FOR:



120 Garrett St Suite 700
Charlottesville, VA 22902

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3	08/15/2025	DFP REVISION	GN	PM	GN



Coles Wind Project

Coles County, Illinois

Site Plan - T58, T59

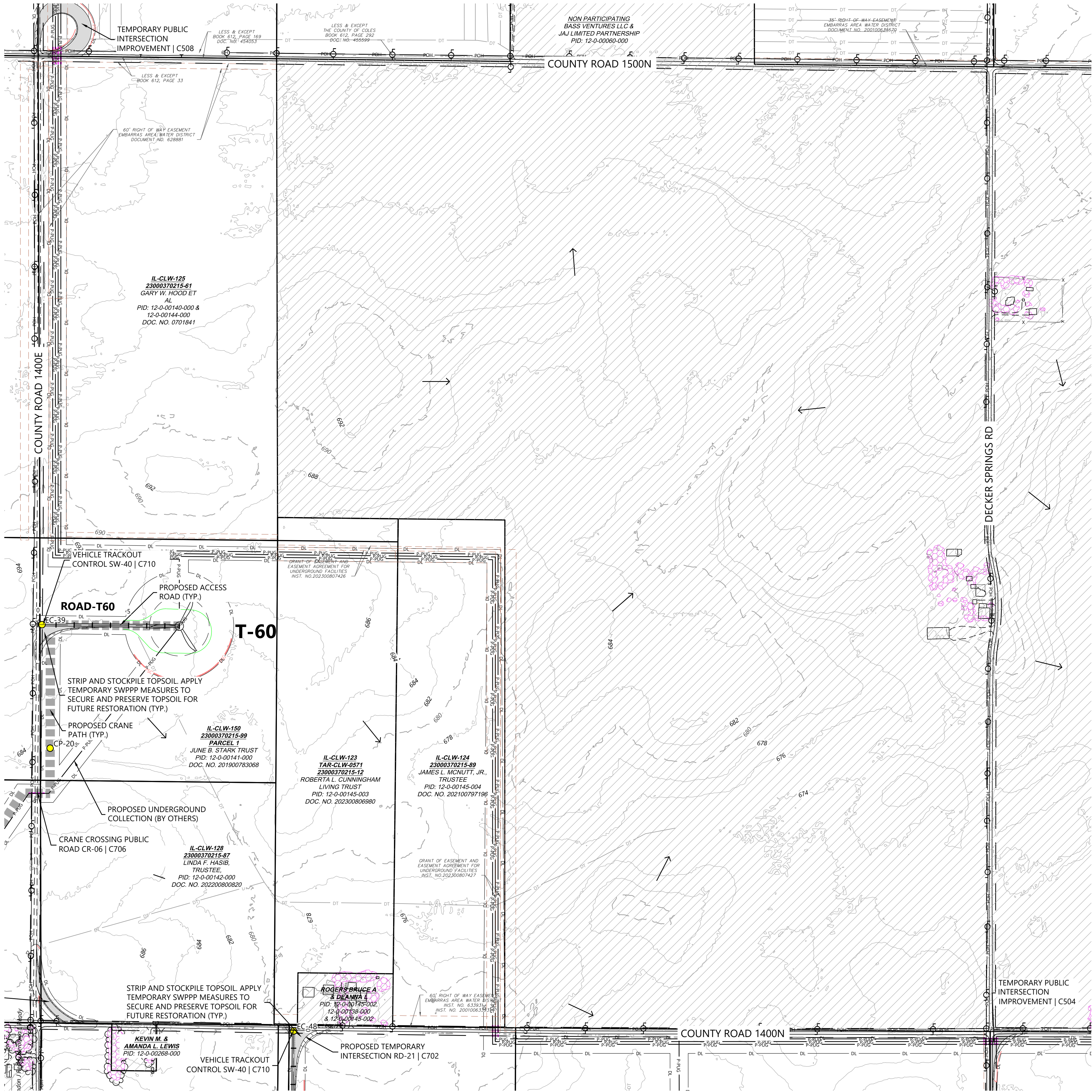
ISSUED FOR CONSTRUCTION

DATE: 08/15/2025

SHEET: C322

REV: 3

\\00272831- CAD_Civil\\0272831-C32-02.dwg 8/15/2025 3:39 PM Gabriel Natera



LEGEND:

- ## TURBINE LOCATION
- ADLS ADLS TOWER LOCATION
- PROPOSED DRAINAGE CROSSING
- PROPOSED ACCESS ROAD
- PROPOSED CRANE PATH
- PROPOSED TEMPORARY TURN
- PROPOSED OBSTACLE FREE AREA
- PROPOSED WET ROAD SEGMENTS
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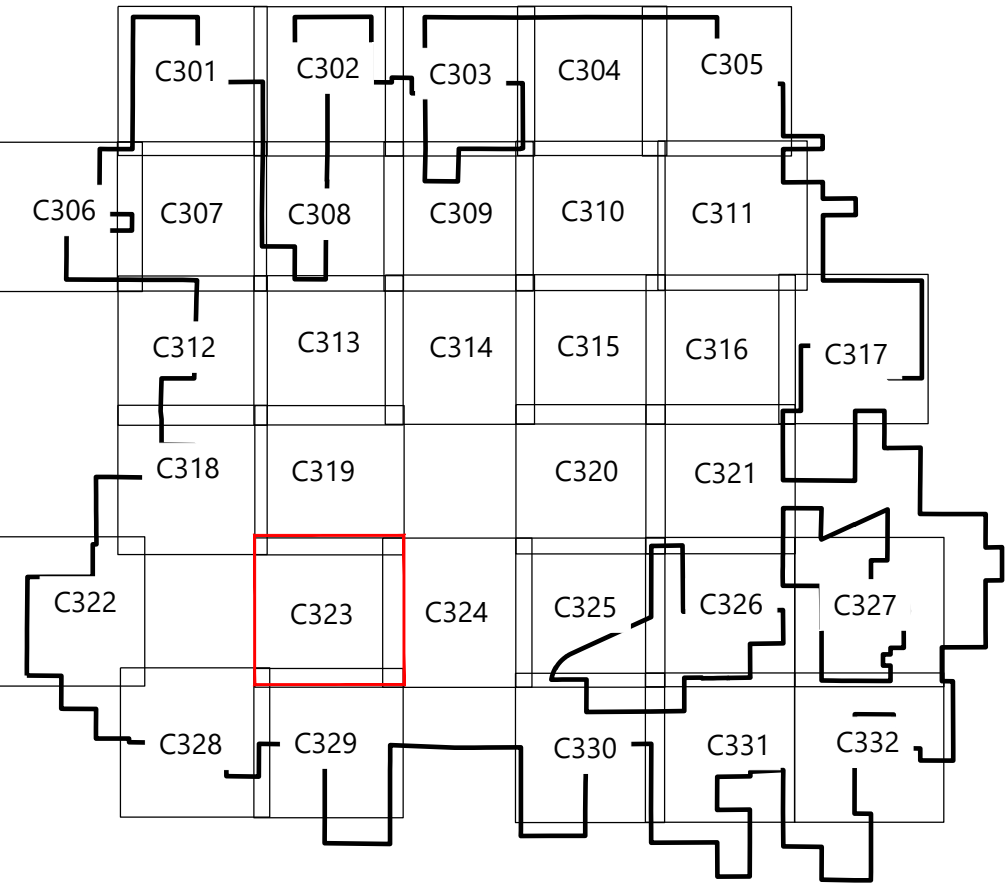
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 - 5.2. SOIL STABILIZATION OF DISTURBED SOIL AREAS
 - 5.3. CHANNEL STABILIZATION OF CONCENTRATED FLOW AREAS

KEYMAP:

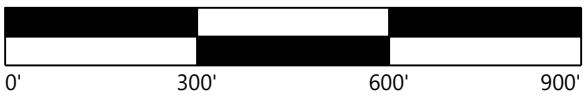


PREPARED FOR:



120 Garrett St Suite 700
Charlottesville, VA 22902

REVISIONS:				
#	DATE	COMMENT	BY	CHK
0	07/25/2025	ISSUED FOR CONSTRUCTION	SL	GN
1	07/29/2025	UPDATED ACCESS ROAD T-39/45	SL	GN
2	08/08/2025	UPDATED TURBINE T-39/47	DM	GN
3	08/15/2025	DFP REVISION	GN	PM



Coles Wind Project

Coles County, Illinois

Site Plan - T60

ISSUED FOR CONSTRUCTION

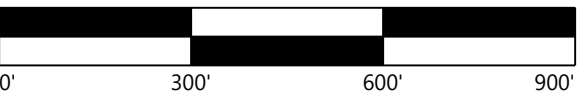
DATE: 08/15/2025

SHEET: C323

REV: 3



REV	DATE	COMMENT	BY	CHK	APP
07/25/2025	ISSUED FOR CONSTRUCTION	SL	GN	PM	
07/29/2025	UPDATED ACCESS ROAD T-39/45	SL	GN	PM	
08/08/2025	UPDATED TURBINE T-39/47	DM	GN	PM	
08/15/2025	DFP REVISION	GN	PM	GN	

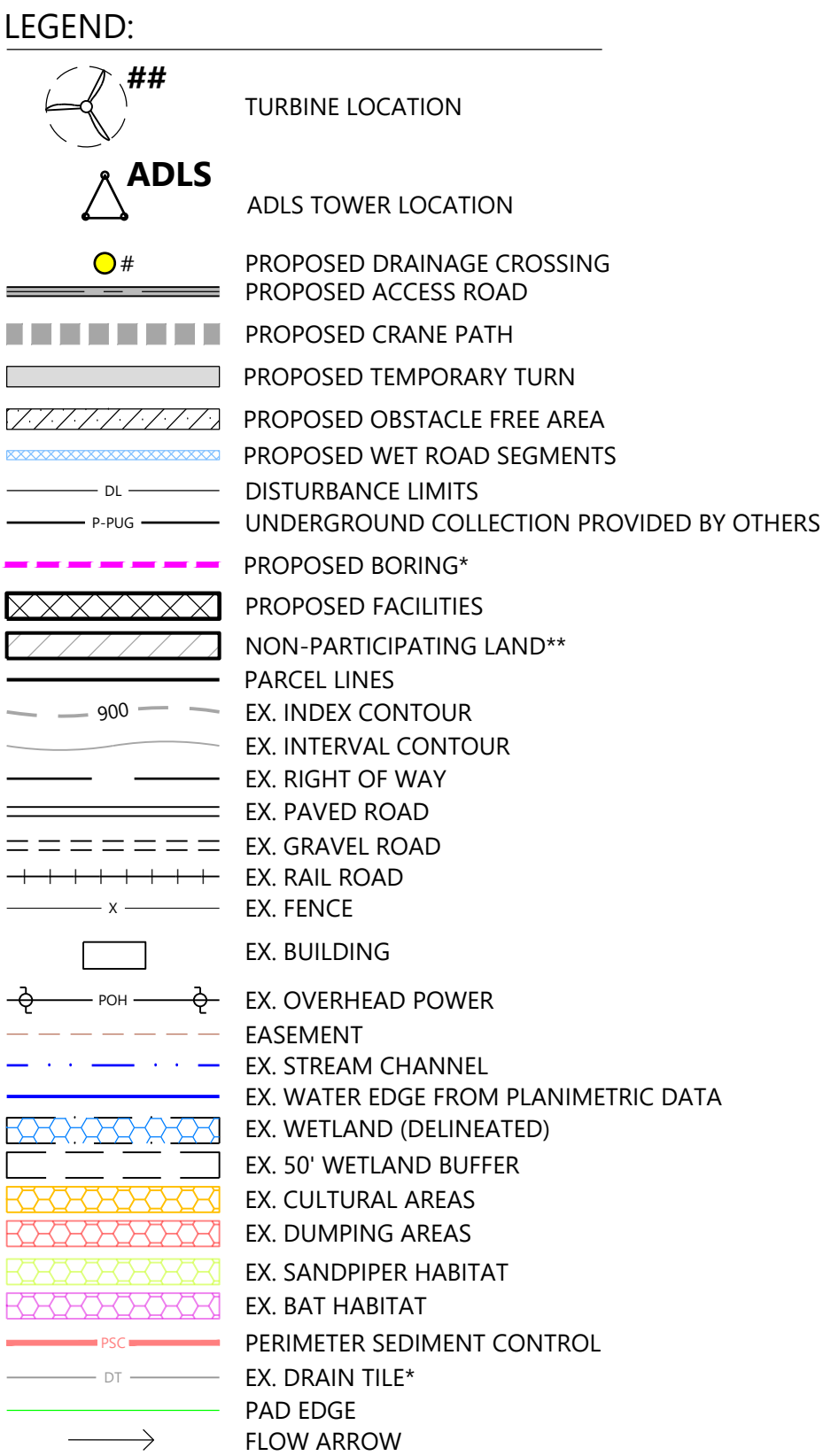


Coles County, Illinois

Site Plan - ADLS

ISSUED FOR CONSTRUCTION

DATE: 08/15/2025
SHEET: C324 REV: 3



*EXISTING DRAIN TILE INFORMATION PROVIDED BY OWNER. CONTRACTOR TO FIELD VERIFY EXISTING LOCATIONS AND REPAIR AND PROTECT AS NEEDED
 **CONTRACTOR AND OWNER TO CONFIRM PERMITTING REQUIREMENTS FOR WORK WITHIN RIGHT-OF-WAY CONFLICTING WITH NON-PARTICIPATING LAND. IT IS ASSUME ALL WORK WITHIN RIGHT OF WAY IS PERMITTED

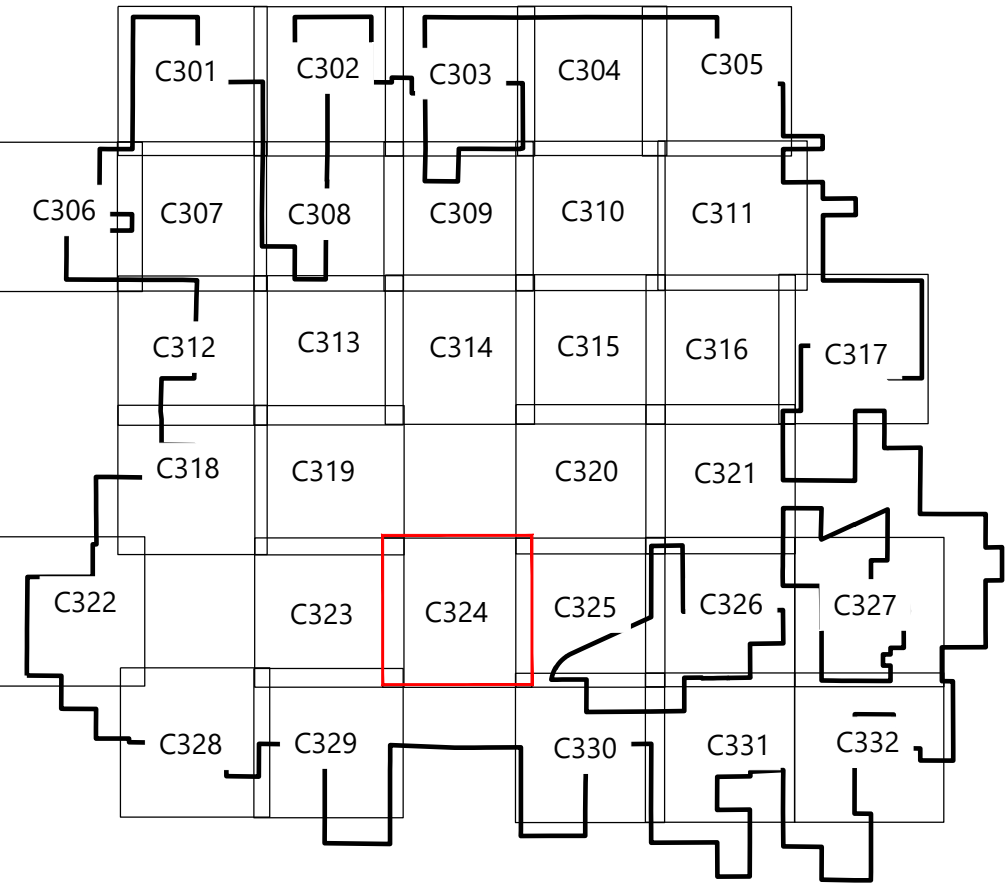
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4. UNDERGROUND UTILITY LOCATIONS WERE NOT IDENTIFIED IN THE PROJECT SURVEY, CONTRACTOR TO FIELD VERIFY UNDERGROUND UTILITY LOCATIONS IN CONJUNCTION WITH EXISTING UTILITY EASEMENT LOCATIONS

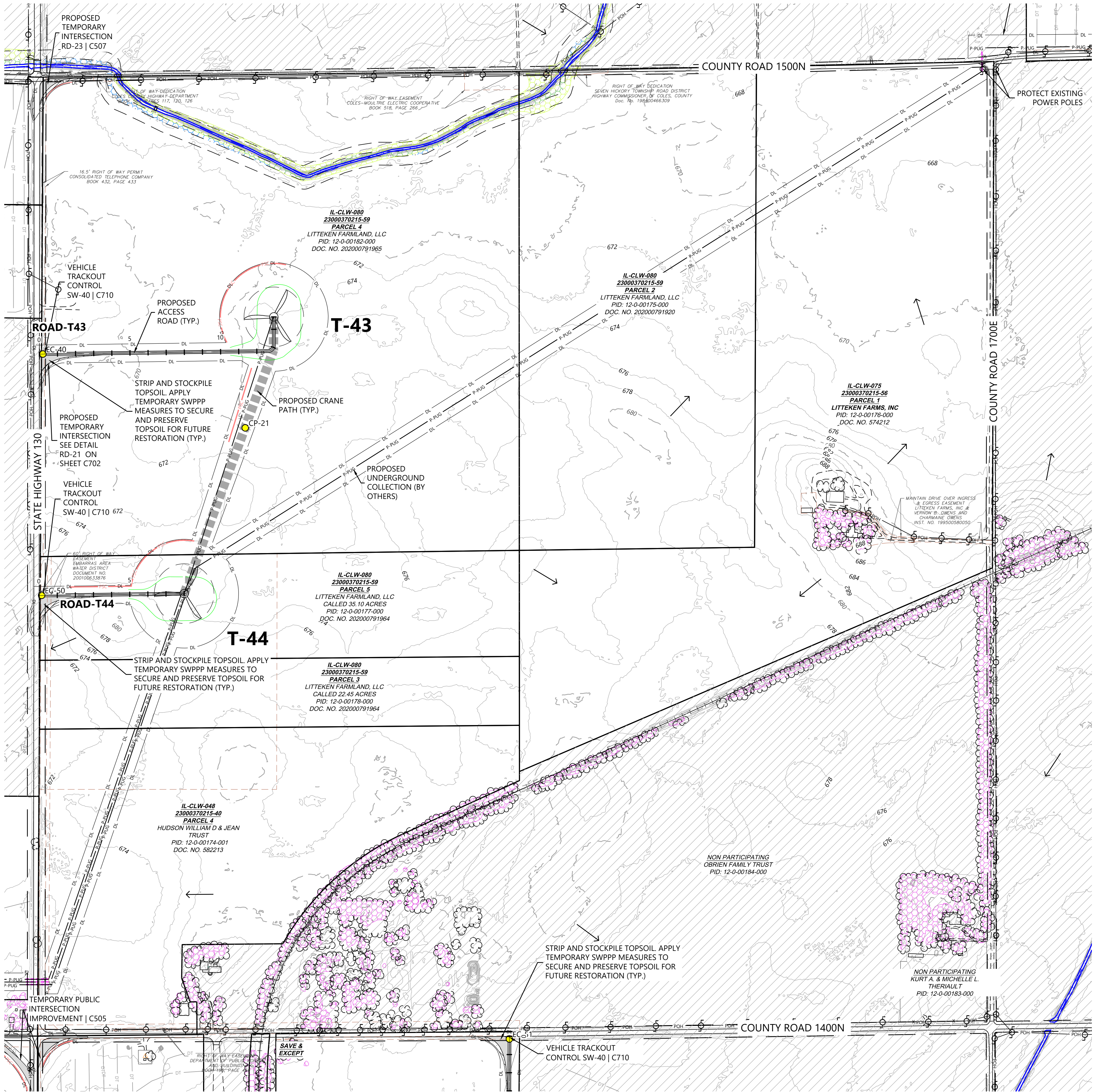
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KEYMAP:



\\00278281-1 CAD_Gen\\00278281-1_C325.dwg 8/15/2025 3:40 PM Gabele, Brian



LEGEND:

- ## TURBINE LOCATION
- ADLS ADLS TOWER LOCATION
- PROPOSED DRAINAGE CROSSING
- PROPOSED ACCESS ROAD
- PROPOSED CRANE PATH
- PROPOSED TEMPORARY TURN
- PROPOSED OBSTACLE FREE AREA
- PROPOSED WET ROAD SEGMENTS
- DISTURBANCE LIMITS
- UNDERGROUND COLLECTION PROVIDED BY OTHERS
- PROPOSED BORING*
- PROPOSED FACILITIES
- NON-PARTICIPATING LAND**
- PARCEL LINES
- EX. INDEX CONTOUR
- EX. INTERVAL CONTOUR
- EX. RIGHT OF WAY
- EX. PAVED ROAD
- EX. GRAVEL ROAD
- EX. RAIL ROAD
- EX. FENCE
- EX. BUILDING
- EX. OVERHEAD POWER
- EASEMENT
- EX. STREAM CHANNEL
- EX. WATER EDGE FROM PLANIMETRIC DATA
- EX. WETLAND (DELINEATED)
- EX. 50' WETLAND BUFFER
- EX. CULTURAL AREAS
- EX. DUMPING AREAS
- EX. SANDPIPER HABITAT
- EX. BAT HABITAT
- PERIMETER SEDIMENT CONTROL
- EX. DRAIN TILE*
- PAD EDGE
- FLOW ARROW

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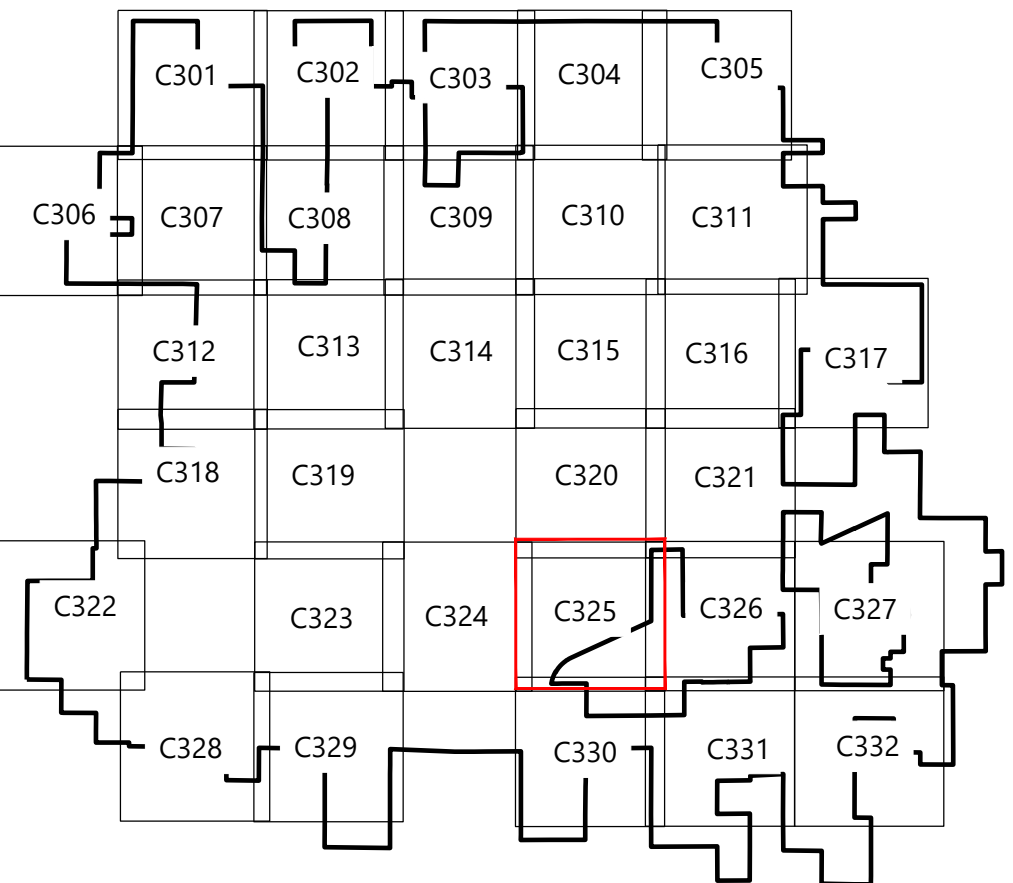
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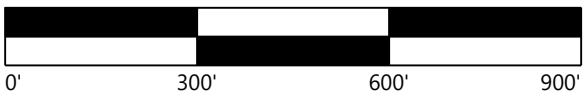
PREPARED FOR:



120 Garrett St Suite 700
Charlottesville, VA 22902

REVISIONS:

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Coles Wind Project

Coles County, Illinois

Site Plan - T41, T42,
T43, T44

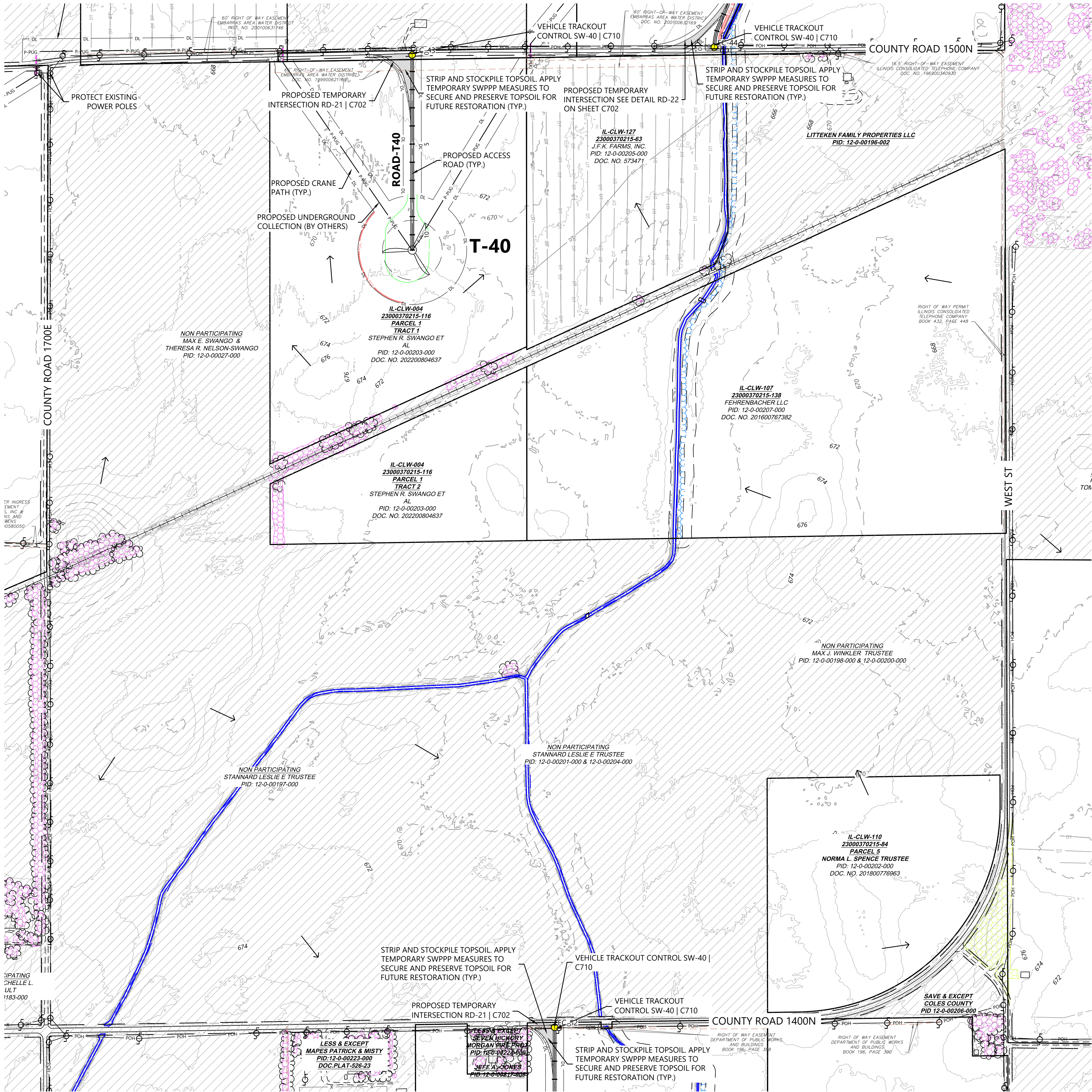
ISSUED FOR CONSTRUCTION

DATE: 08/15/2025

SHEET: C325

REV:
3

\\0012782811 CAD_Civil\\02691017-C36.dwg 8/15/2025 14:14:14 Gabelel Ruten



LEGEND:

- ## TURBINE LOCATION
- ADLS ADLS TOWER LOCATION
- PROPOSED DRAINAGE CROSSING
- PROPOSED ACCESS ROAD
- PROPOSED CRANE PATH
- PROPOSED TEMPORARY TURN
- PROPOSED OBSTACLE FREE AREA
- PROPOSED WET ROAD SEGMENTS
- DISTURBANCE LIMITS
- UNDERGROUND COLLECTION PROVIDED BY OTHERS
- PROPOSED BORING*
- PROPOSED FACILITIES
- NON-PARTICIPATING LAND**
- PARCEL LINES
- EX. INDEX CONTOUR
- EX. INTERVAL CONTOUR
- EX. RIGHT OF WAY
- EX. PAVED ROAD
- EX. GRAVEL ROAD
- EX. RAIL ROAD
- EX. FENCE
- EX. BUILDING
- EX. OVERHEAD POWER
- EASEMENT
- EX. STREAM CHANNEL
- EX. WATER EDGE FROM PLANIMETRIC DATA
- EX. WETLAND (DELINEATED)
- EX. 50' WETLAND BUFFER
- EX. CULTURAL AREAS
- EX. DUMPING AREAS
- EX. SANDPIPER HABITAT
- EX. BAT HABITAT
- PERIMETER SEDIMENT CONTROL
- EX. DRAIN TILE*
- PAD EDGE
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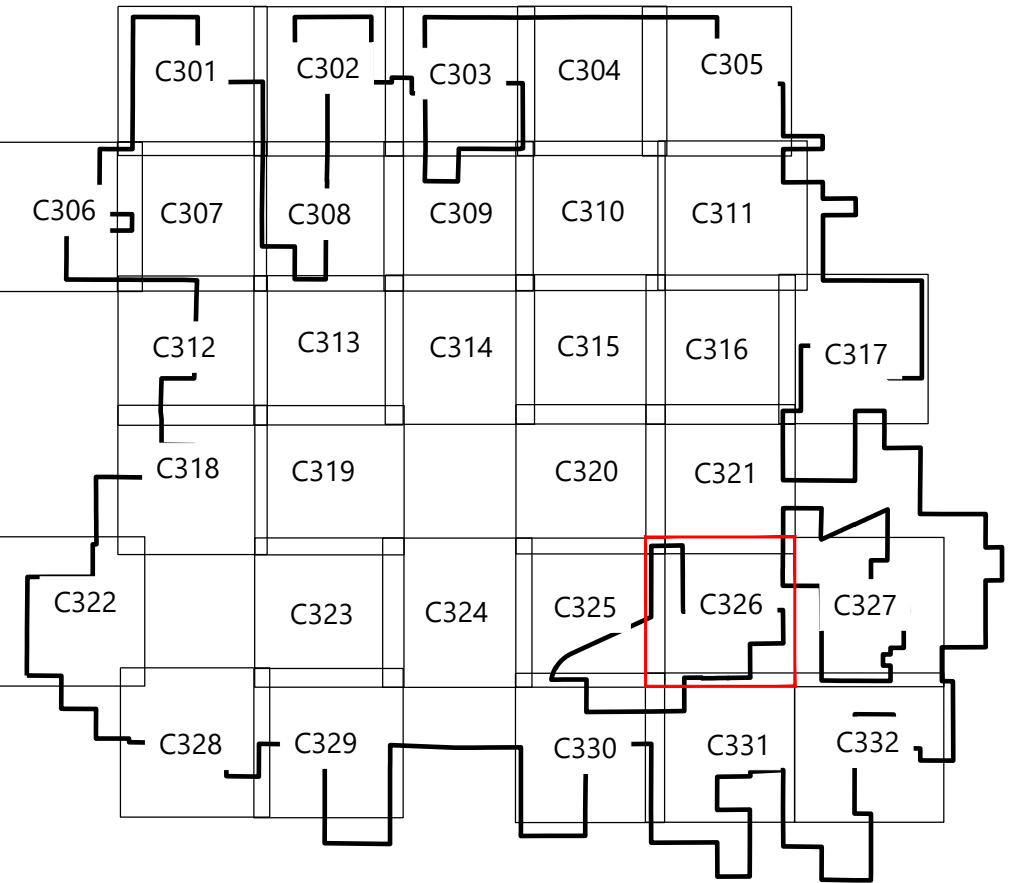
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KEYMAP:



Westwood

Phone (214) 473-4640 2901 Dallas Parkway, Suite 400
TollFree (888) 937-5150 Plano, TX 75093
westwoodsps.com

Westwood Professional Services, Inc.



8/15/25
Paige Mortenson
CPE: 11130125

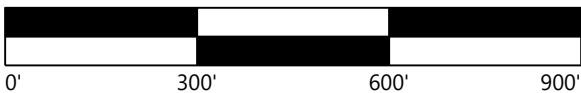
PREPARED FOR:



120 Garrett St Suite 700
Charlottesville, VA 22902

REVISIONS:

#	DATE	COMMENT	BY	CHK	APP
0	07/25/2025	ISSUED FOR CONSTRUCTION	SL	GN	PM
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3	08/15/2025	DFP REVISION	GN	PM	GN



Coles Wind Project

Coles County, Illinois

Site Plan - T40

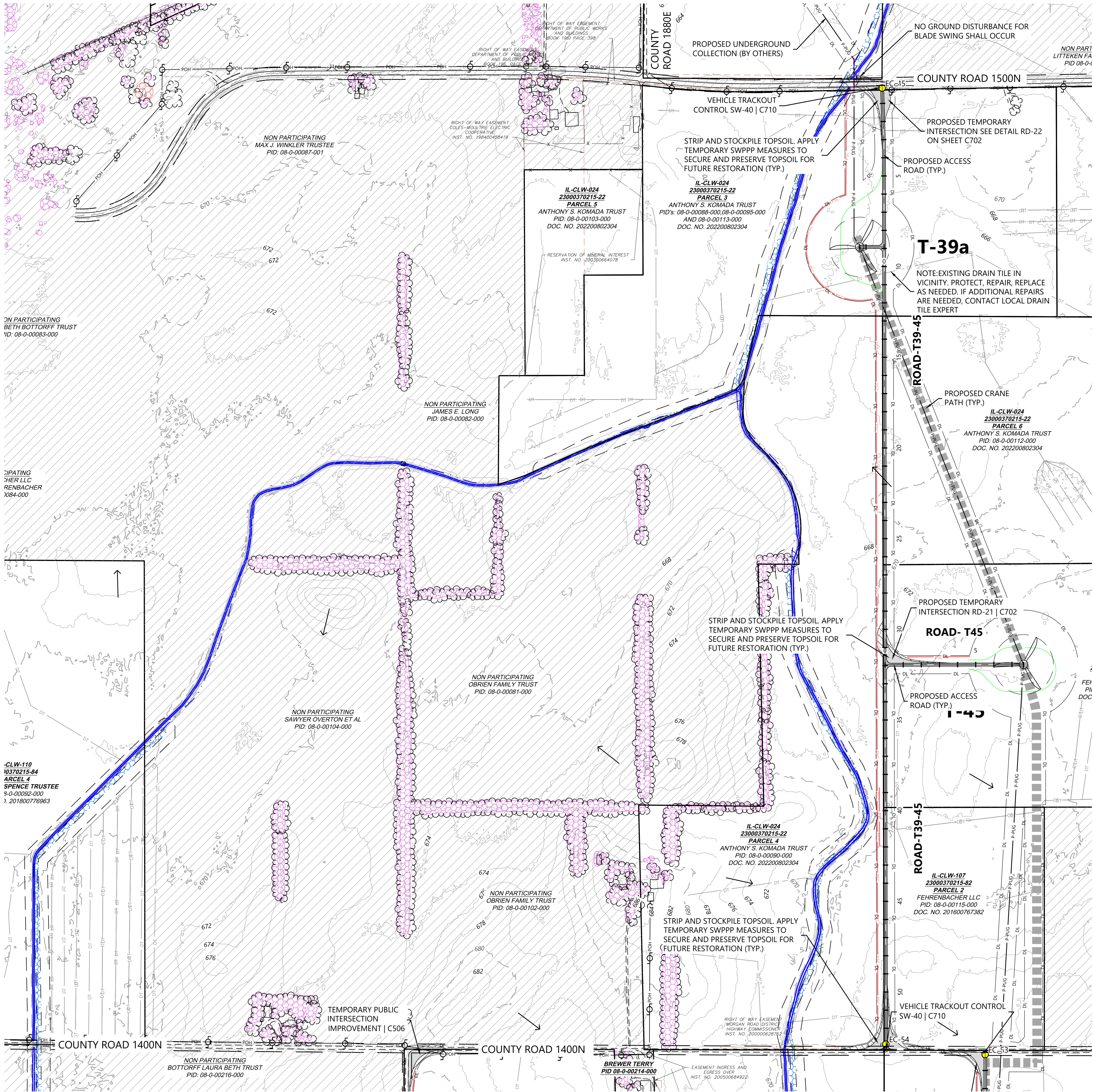
ISSUED FOR CONSTRUCTION

DATE: 08/15/2025

SHEET: C326

REV: 3

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LEGEND:

- ## TURBINE LOCATION
- ADLS ADLS TOWER LOCATION
- PROPOSED DRAINAGE CROSSING
- PROPOSED ACCESS ROAD
- PROPOSED CRANE PATH
- PROPOSED TEMPORARY TURN
- PROPOSED OBSTACLE FREE AREA
- PROPOSED WET ROAD SEGMENTS
- DISTURBANCE LIMITS
- UNDERGROUND COLLECTION PROVIDED BY OTHERS
- PROPOSED BORING*
- PROPOSED FACILITIES
- NON-PARTICIPATING LAND**
- PARCEL LINES
- EX. INDEX CONTOUR
- EX. INTERVAL CONTOUR
- EX. RIGHT OF WAY
- EX. PAVED ROAD
- EX. GRAVEL ROAD
- EX. RAIL ROAD
- EX. FENCE
- EX. BUILDING
- EX. OVERHEAD POWER
- EASEMENT
- EX. STREAM CHANNEL
- EX. WATER EDGE FROM PLANIMETRIC DATA
- EX. WETLAND (DELINEATED)
- EX. 50' WETLAND BUFFER
- EX. CULTURAL AREAS
- EX. DUMPING AREAS
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- EX. BAT HABITAT
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- EX. DRAIN TILE*
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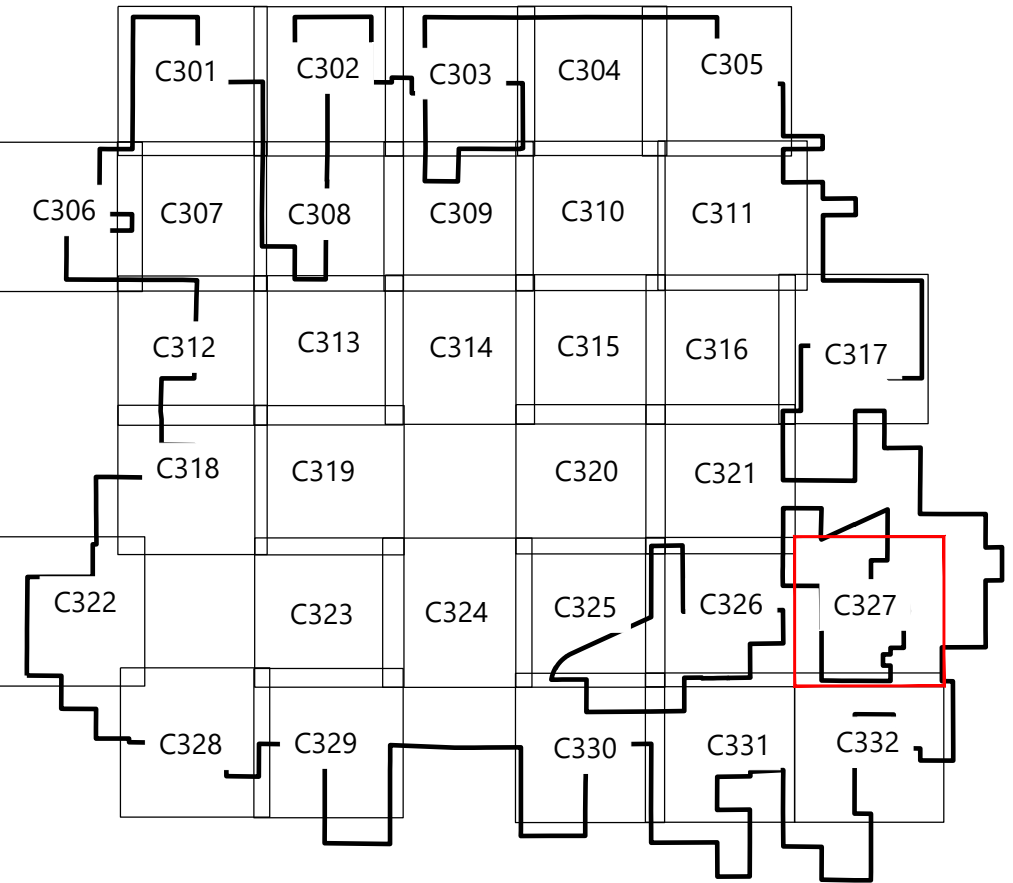
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KEYMAP:



PAIGE R. MORTENSON
062-077157
8/15/25
Paige Mortenson
CPE: 11130125

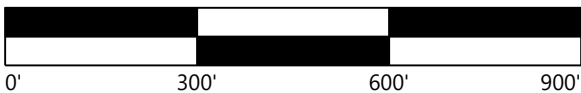
PREPARED FOR:



120 Garrett St Suite 700
Charlottesville, VA 22902

REVISIONS:

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Coles Wind Project

Coles County, Illinois

Site Plan - T39, T45

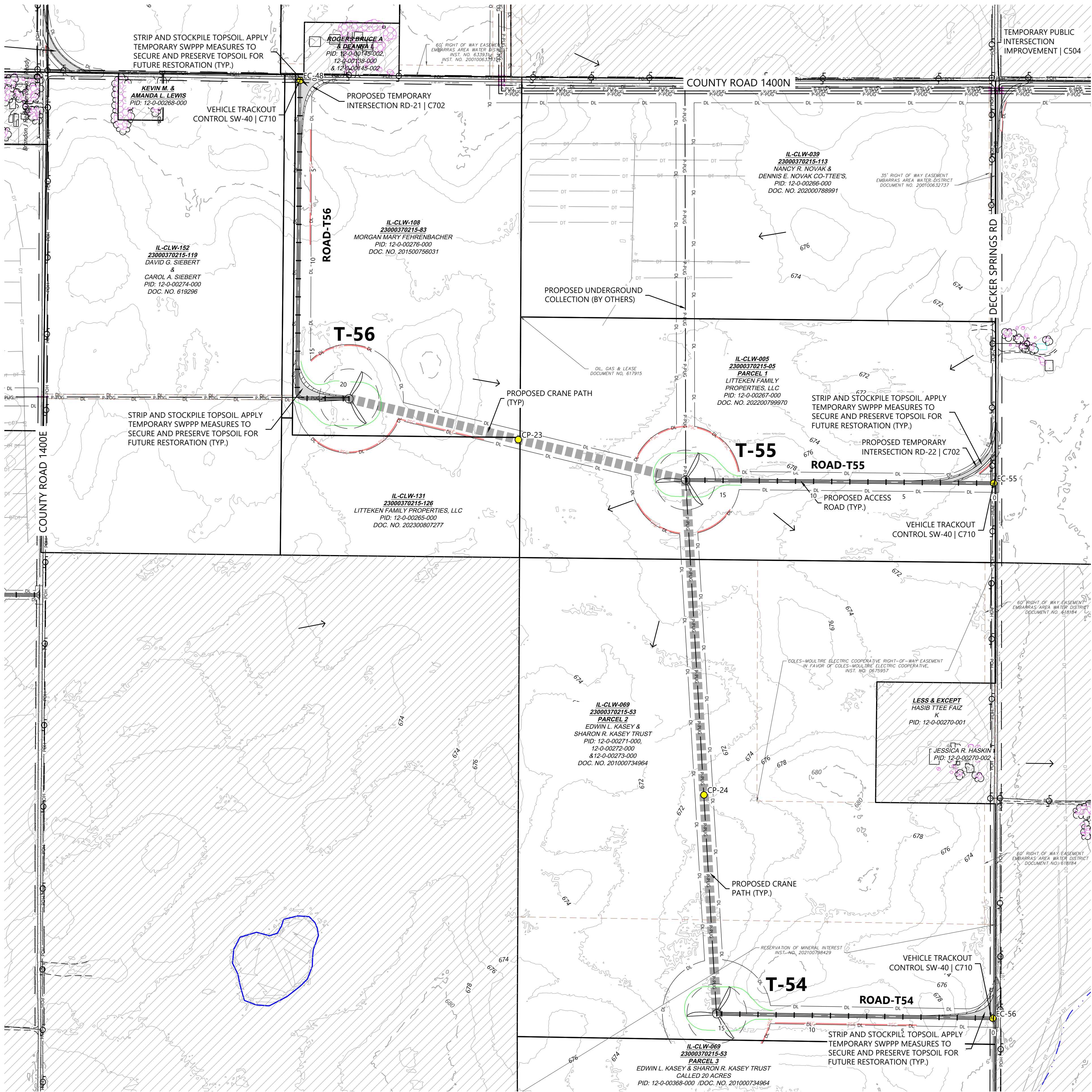
ISSUED FOR CONSTRUCTION

DATE: 08/15/2025

SHEET: C327

REV: 3

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LEGEND:

- ## TURBINE LOCATION
- ADLS ADLS TOWER LOCATION
- # PROPOSED DRAINAGE CROSSING
- PROPOSED ACCESS ROAD
- PROPOSED CRANE PATH
- PROPOSED TEMPORARY TURN
- PROPOSED OBSTACLE FREE AREA
- PROPOSED WET ROAD SEGMENTS
- DL DISTURBANCE LIMITS
- P-PUG UNDERGROUND COLLECTION PROVIDED BY OTHERS
- PROPOSED BORING*
- PROPOSED FACILITIES
- NON-PARTICIPATING LAND**
- PARCEL LINES
- EX. INDEX CONTOUR
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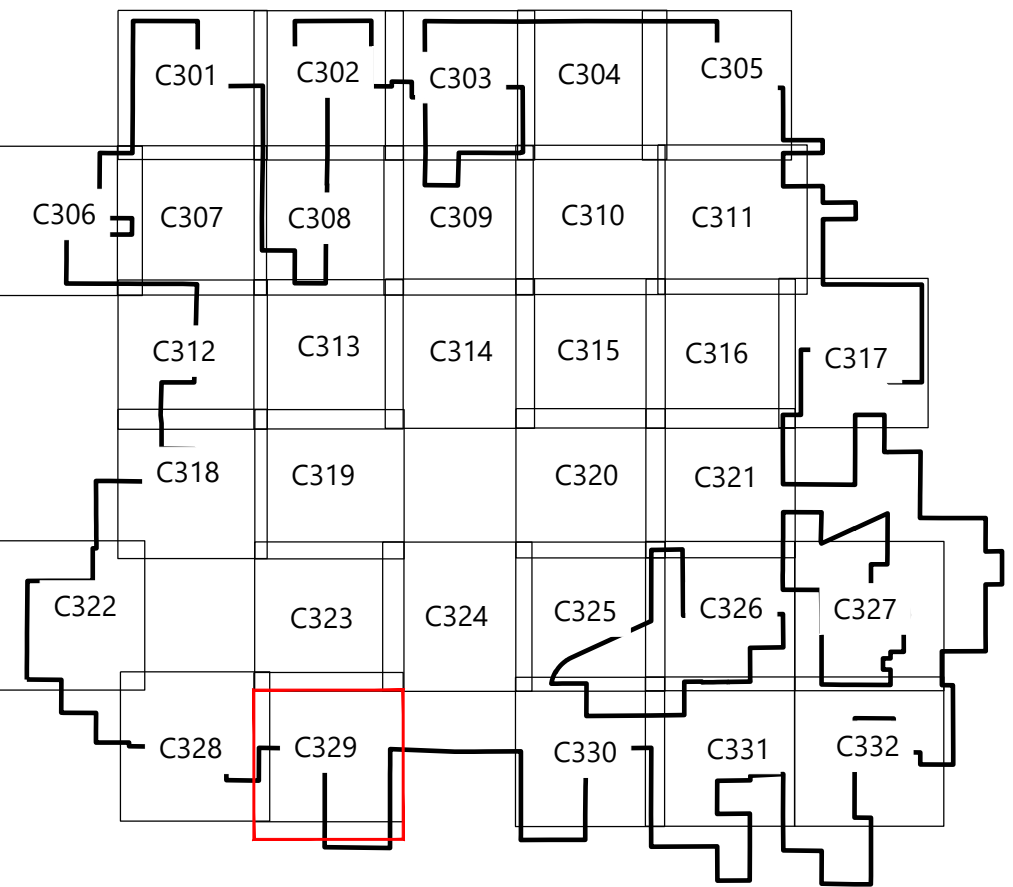
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KEYMAP:



8/15/25
Paige Mortenson
CPE: 11130125

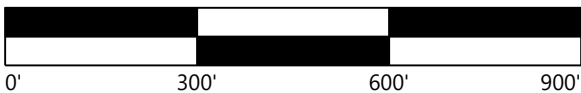
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120 Garrett St Suite 700
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Coles Wind Project

Coles County, Illinois

Site Plan - T54, T55,
T56

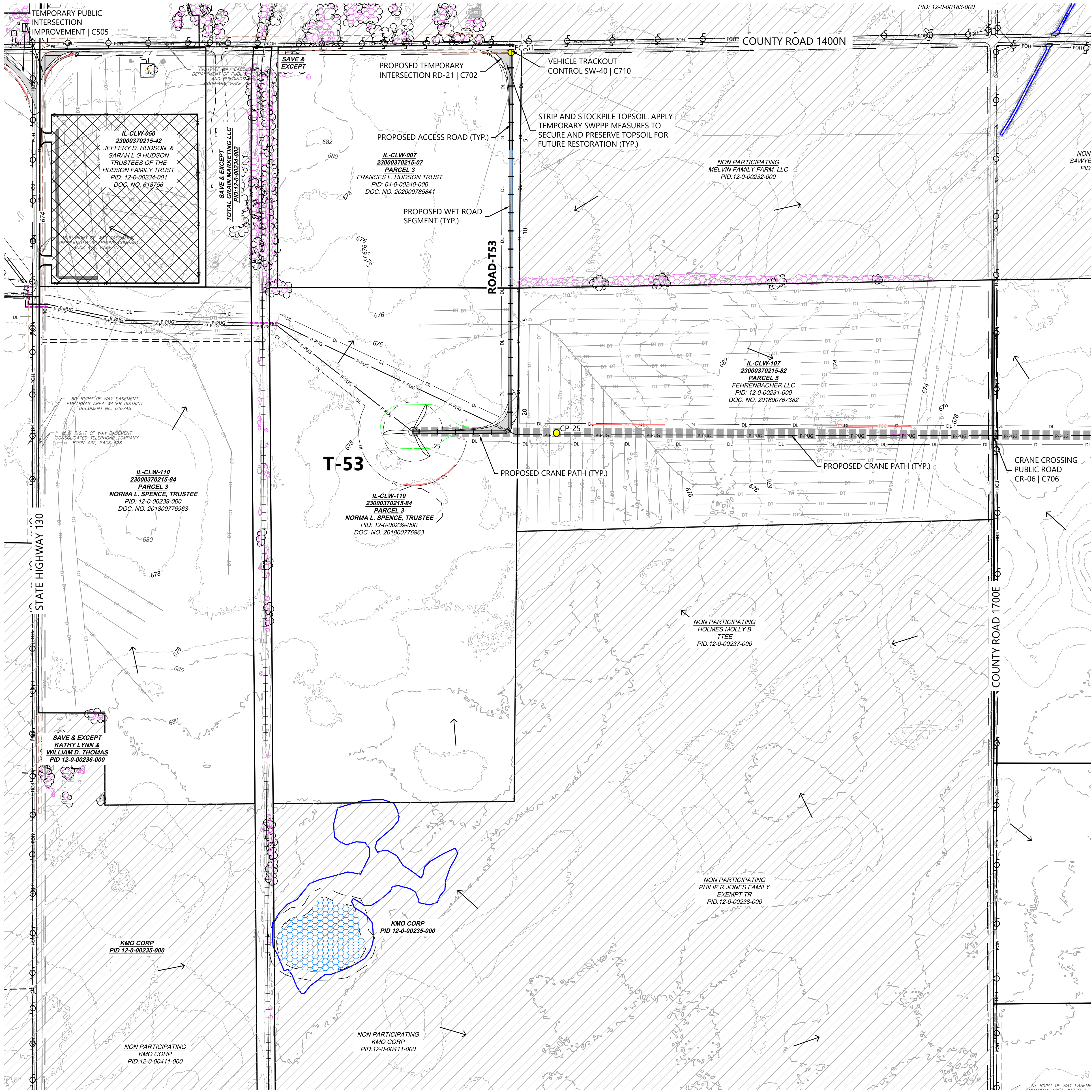
ISSUED FOR CONSTRUCTION

DATE: 08/15/2025

SHEET: C329

REV:
3

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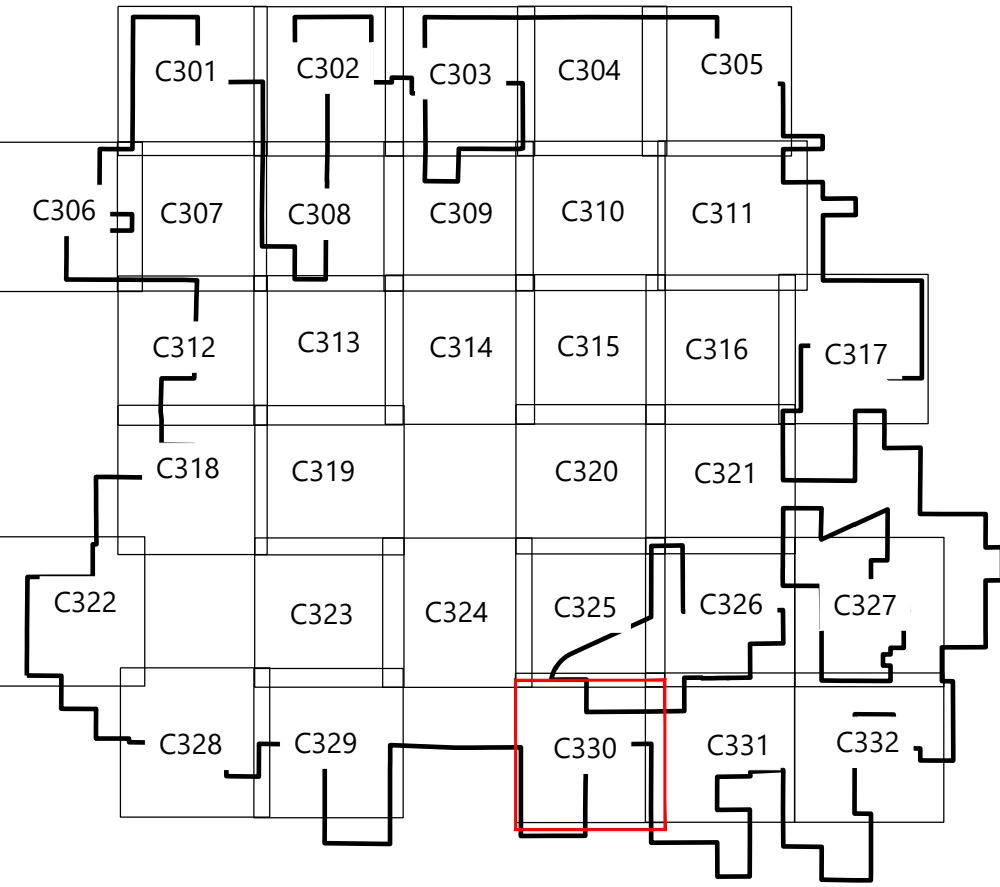
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 - NON-PARTICIPATING LAND**
 - PARCEL LINES
 - EX. INDEX CONTOUR
 - EX. INTERVAL CONTOUR
 - EX. RIGHT OF WAY
 - EX. PAVED ROAD
 - EX. GRAVEL ROAD
 - EX. RAIL ROAD
 - EX. FENCE
 - EX. BUILDING
 - EX. OVERHEAD POWER
 - EASEMENT
 - EX. STREAM CHANNEL
 - EX. WATER EDGE FROM PLANIMETRIC DATA
 - EX. WETLAND (DELINEATED)
 - EX. 50' WETLAND BUFFER
 - EX. CULTURAL AREAS
 - EX. DUMPING AREAS
 - EX. SANDPIPER HABITAT
 - EX. BAT HABITAT
 - PSC PERIMETER SEDIMENT CONTROL
 - EX. DRAIN TILE*
 - PAD EDGE
 - FLOW ARROW

*EXISTING DRAIN TILE INFORMATION PROVIDED BY OWNER. CONTRACTOR TO FIELD VERIFY EXISTING LOCATIONS AND REPAIR AND PROTECT AS NEEDED
**CONTRACTOR AND OWNER TO CONFIRM PERMITTING REQUIREMENTS FOR WORK WITHIN RIGHT-OF-WAY CONFLICTING WITH NON-PARTICIPATING LAND. IT IS ASSUME ALL WORK WITHIN RIGHT OF WAY IS PERMITTED

- NOTES:
- ALL TREE CLEARING FOR BAT HABITAT MUST BE COMPLETED BETWEEN NOVEMBER 16 TO MARCH 31.
 - AREAS FOR SAND PAPER HABITAT NOT AVOIDED WILL NEED TO BE CLEARED PRIOR TO APRIL 1 DURING CONSTRUCTION.
 - CONTRACTOR LO LOCATE CONCRETE WASHOUTS PER DETAIL SW-60 AS NEEDED.
 - UNDERGROUND UTILITY LOCATIONS WERE NOT IDENTIFIED IN THE PROJECT SURVEY, CONTRACTOR TO FIELD VERIFY UNDERGROUND UTILITY LOCATIONS IN CONJUNCTION WITH EXISTING UTILITY EASEMENT LOCATIONS

- EROSION AND SEDIMENT CONTROL NOTES:
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 - BEST MANAGEMENT PRACTICES (BMPs) INCLUDING PERIMETER SEDIMENT CONTROLS (PSC), TEMPORARY AND PERMANENT STABILIZATION OF DISTURBED SOILS, AND CONSTRUCTION PHASING SHALL BE IMPLEMENTED AS SPECIFIED IN THE SWPPP AND WITHIN THE APPLICABLE TIMEFRAMES.
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 - SOIL STABILIZATION OF DISTURBED SOIL AREAS
 - CHANNEL STABILIZATION OF CONCENTRATED FLOW AREAS

KEYMAP:



Westwood

Phone (214) 473-4640 2901 Dallas Parkway, Suite 400
Toll Free (888) 937-5150 Plano, TX 75093
westwoodps.com

Westwood Professional Services, Inc.



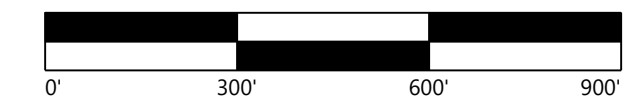
8/15/25
Paige R. Mortenson
CPE: 11130125

PREPARED FOR:



120 Garrett St Suite 700
Charlottesville, VA 22902

#	DATE	COMMENT	BY	CHK	APR
0	07/25/2025	ISSUED FOR CONSTRUCTION	SL	GN	PM
1	07/29/2025	UPDATED ACCESS ROAD T-39/45	SL	GN	PM
2	08/08/2025	UPDATED TURBINE T-39/47	DM	GN	PM
3	08/15/2025	DFP REVISION	GN	PM	GN



Coles Wind Project

Coles County, Illinois

Site Plan - T53

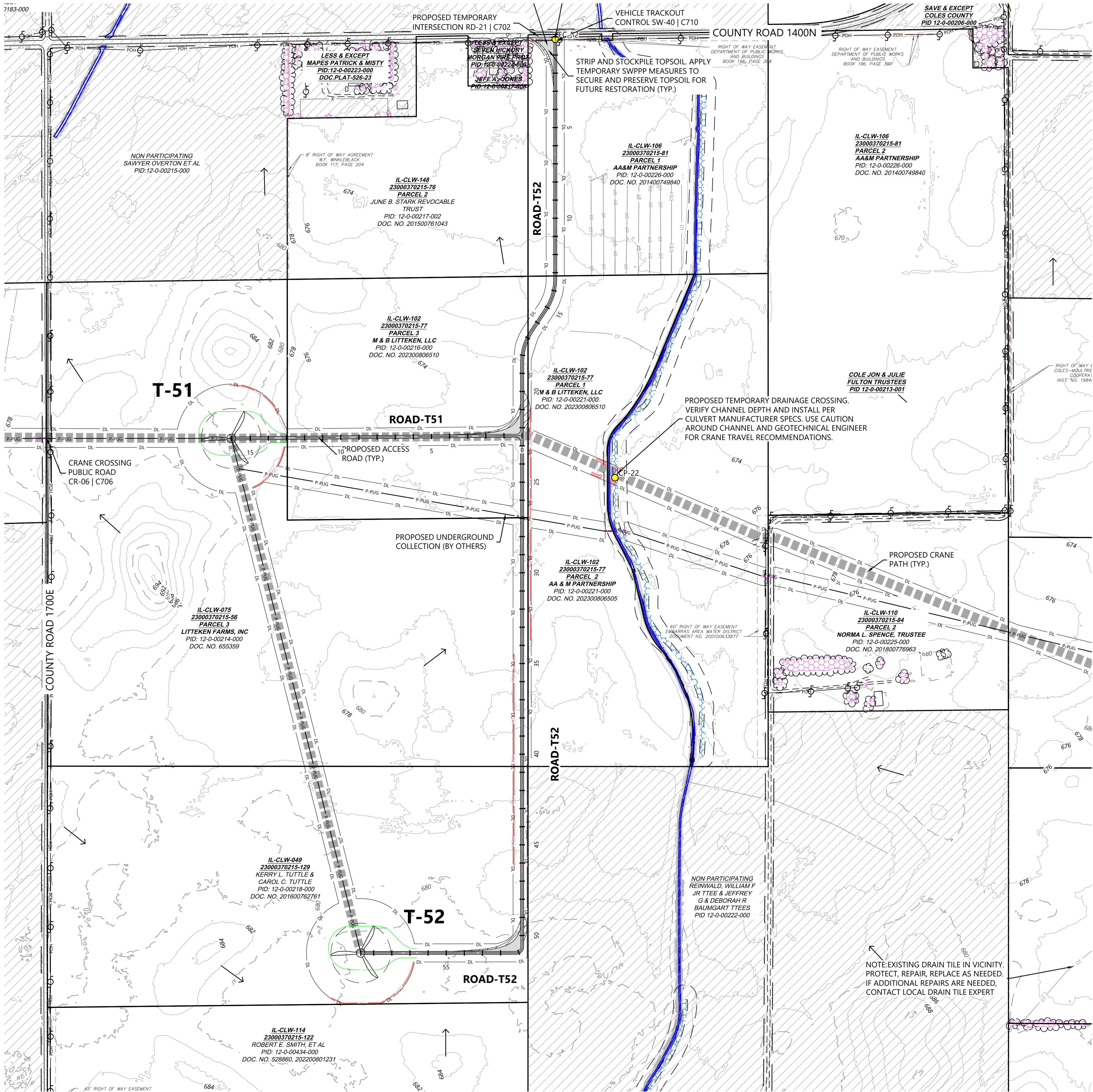
ISSUED FOR CONSTRUCTION

DATE: 08/15/2025

SHEET: C330

REV: 3

\\00126281-1 CAD\\00126281-1 C331.dwg 8/15/2025 3:43 PM Gailan Rana



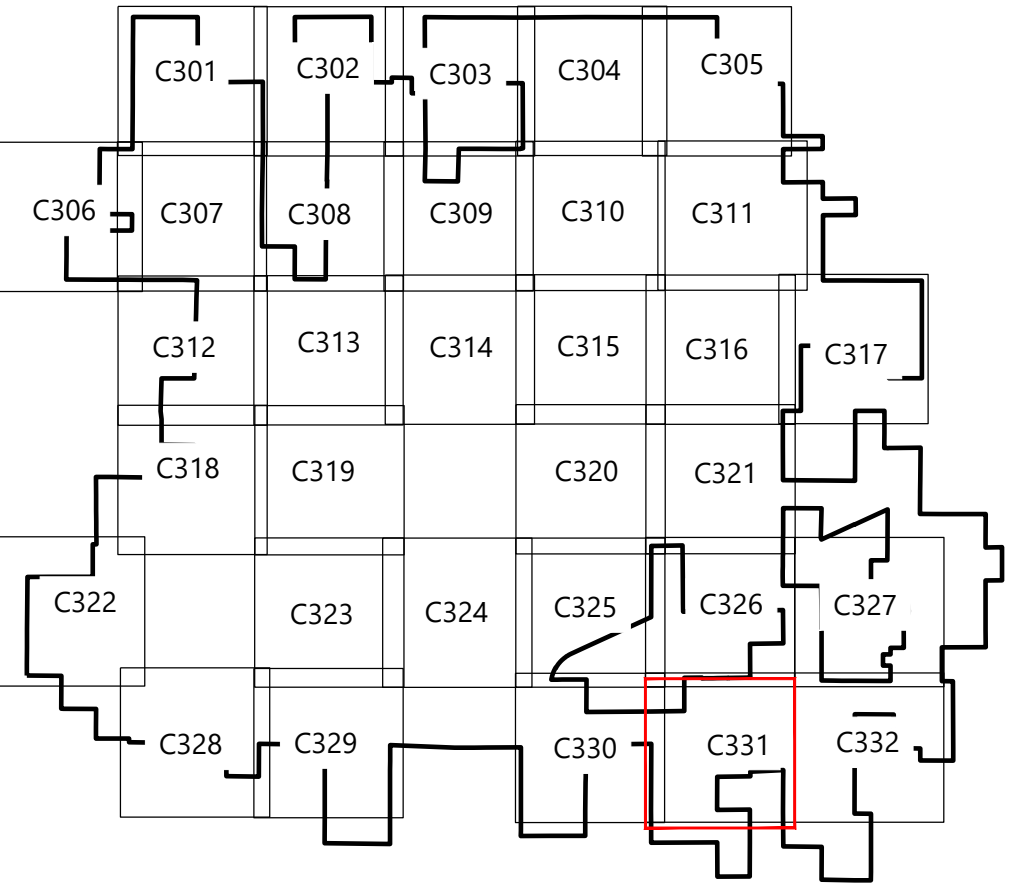
- LEGEND:
- ## TURBINE LOCATION
 - ADLS ADLS TOWER LOCATION
 - PROPOSED DRAINAGE CROSSING
 - PROPOSED ACCESS ROAD
 - PROPOSED CRANE PATH
 - PROPOSED TEMPORARY TURN
 - PROPOSED OBSTACLE FREE AREA
 - PROPOSED WET ROAD SEGMENTS
 - DISTURBANCE LIMITS
 - UNDERGROUND COLLECTION PROVIDED BY OTHERS
 - PROPOSED BORING*
 - PROPOSED FACILITIES
 - NON-PARTICIPATING LAND**
 - PARCEL LINES
 - EX. INDEX CONTOUR
 - EX. INTERVAL CONTOUR
 - EX. RIGHT OF WAY
 - EX. PAVED ROAD
 - EX. GRAVEL ROAD
 - EX. RAIL ROAD
 - EX. FENCE
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 - EX. OVERHEAD POWER
 - EASEMENT
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 - EX. WATER EDGE FROM PLANIMETRIC DATA
 - EX. WETLAND (DELINEATED)
 - EX. 50' WETLAND BUFFER
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 - EX. BAT HABITAT
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KEYMAP:



Westwood

Phone (214) 473-4640 2901 Dallas Parkway, Suite 400
TollFree (888) 937-5150 Plano, TX 75093
westwoodps.com

Westwood Professional Services, Inc.

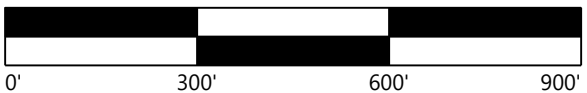


PREPARED FOR:



120 Garrett St Suite 700
Charlottesville, VA 22902

REVISIONS:				
#	DATE	COMMENT	BY	CHK
0	07/25/2025	ISSUED FOR CONSTRUCTION	SL	GN
1	07/29/2025	UPDATED ACCESS ROAD T-39/45	SL	GN
2	08/08/2025	UPDATED TURBINE T-39/47	DM	GN
3	08/15/2025	DFP REVISION	GN	PM



Coles Wind Project

Coles County, Illinois

Site Plan - T50, T51,
T52

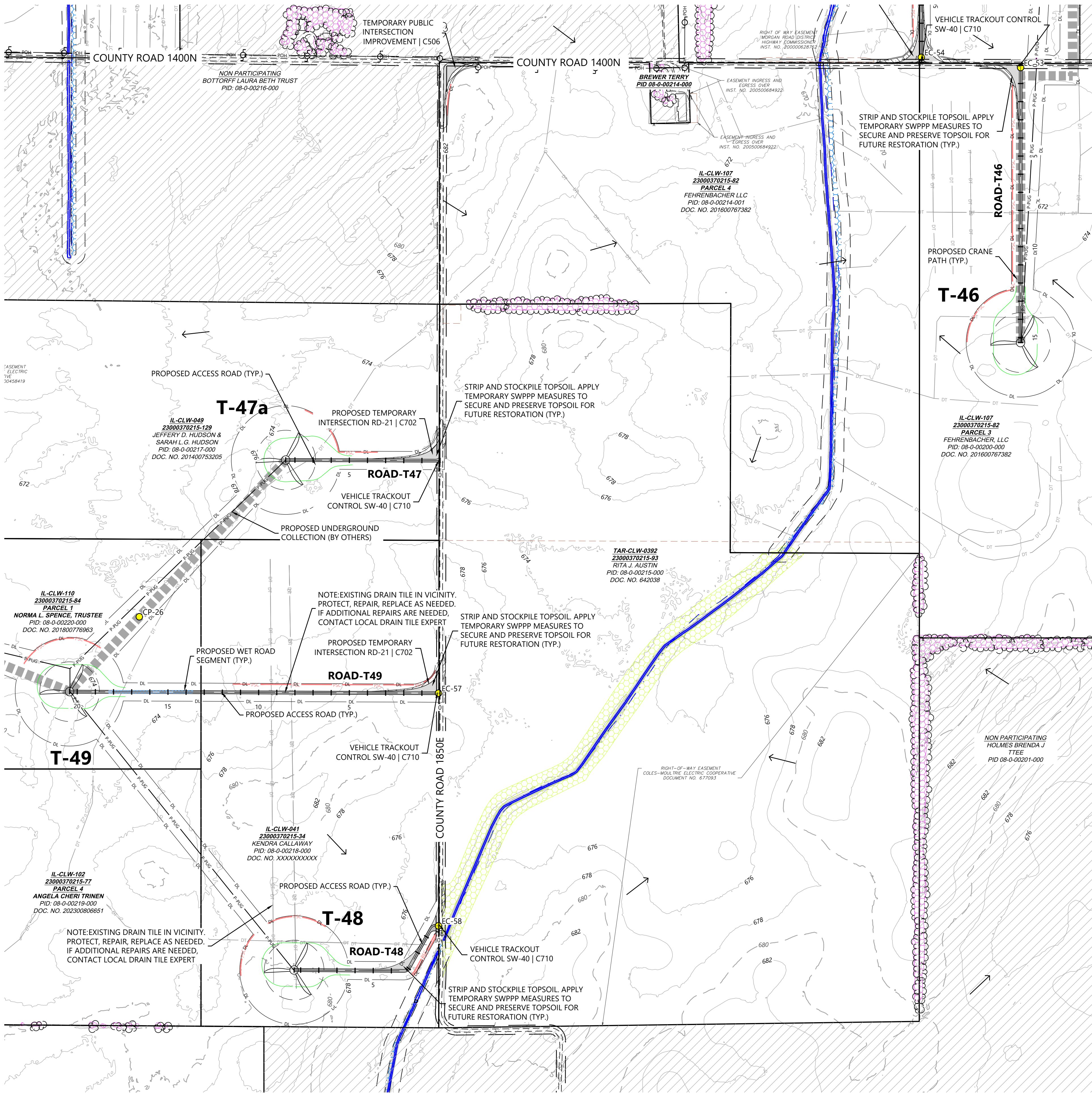
ISSUED FOR CONSTRUCTION

DATE: 08/15/2025

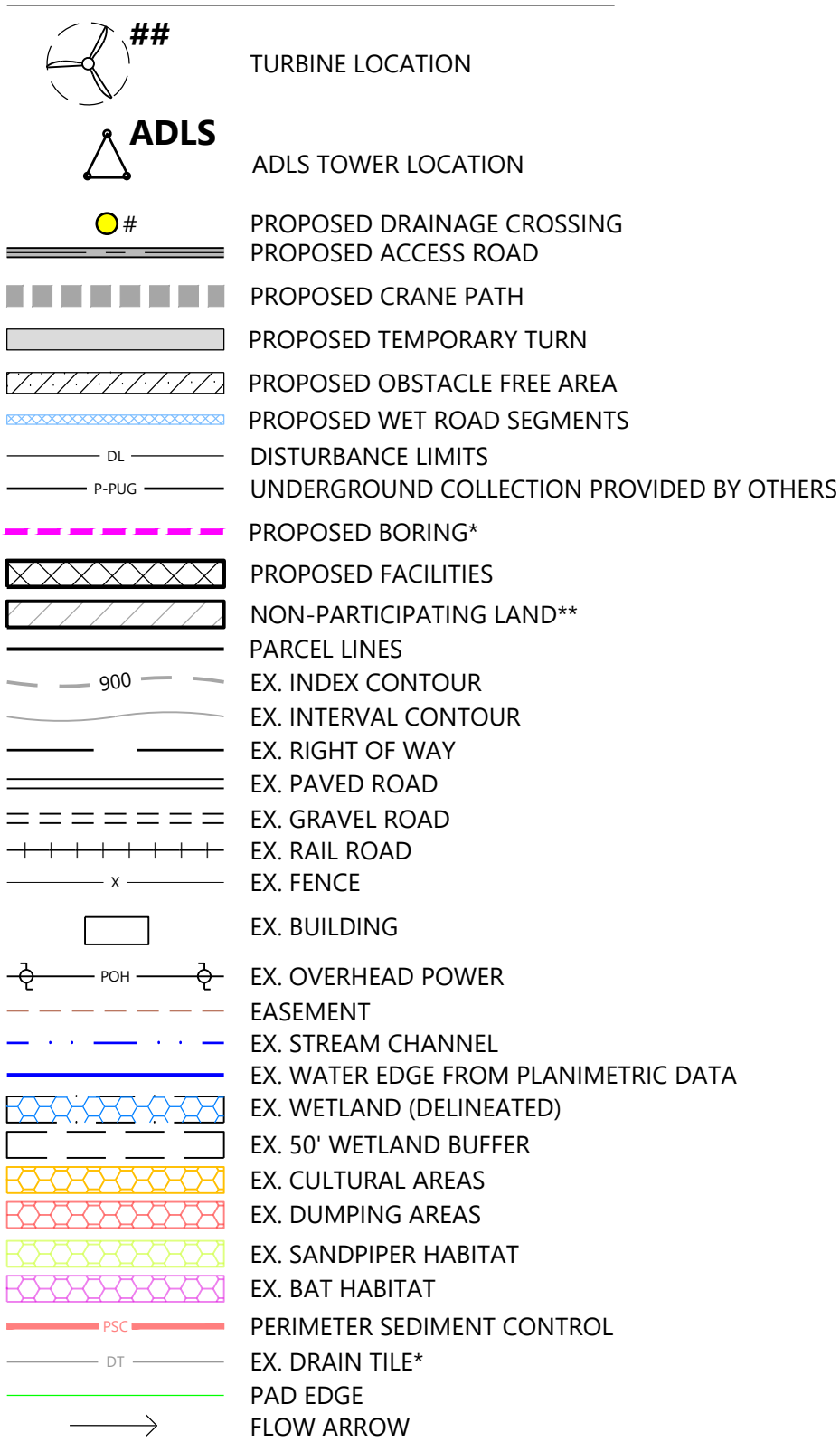
SHEET: C331

REV: 3

\\00126281-1 CAD_Civil\\026281-1-C332.dwg 8/15/2025 3:43 PM Gabeal Riera



LEGEND:



*EXISTING DRAIN TILE INFORMATION PROVIDED BY OWNER. CONTRACTOR TO FIELD VERIFY EXISTING LOCATIONS AND REPAIR AND PROTECT AS NEEDED
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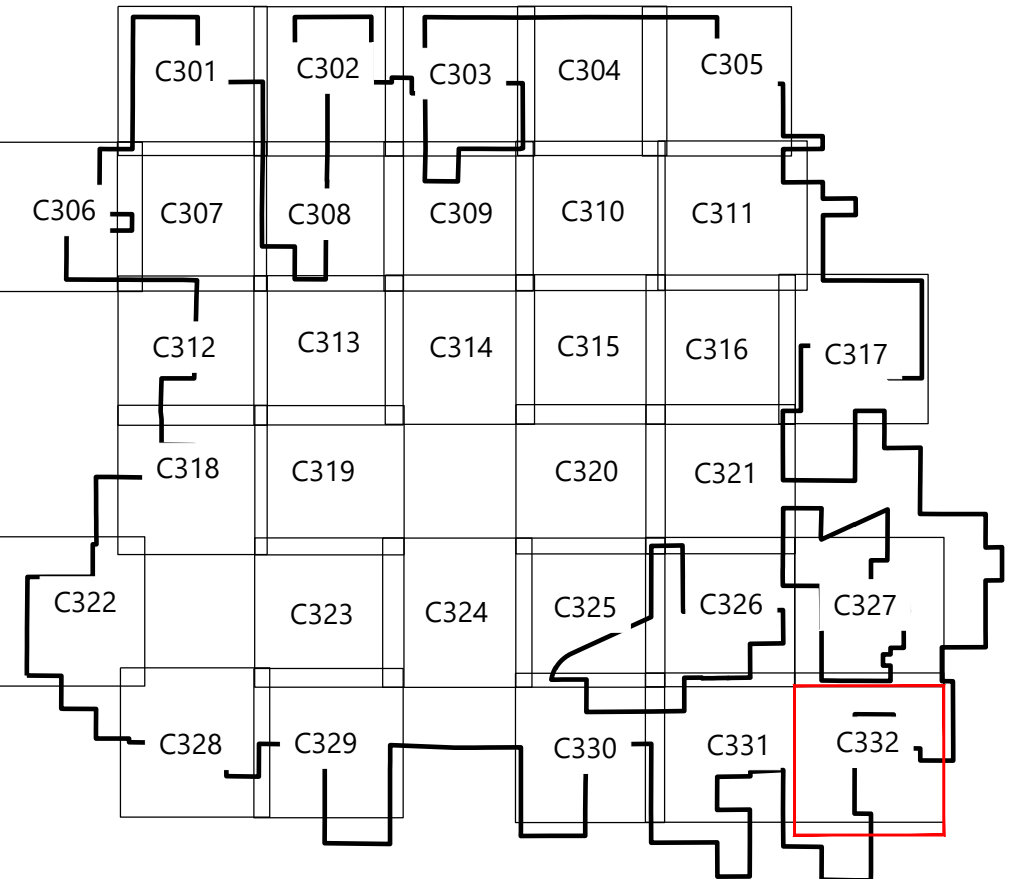
NOTES:

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KEYMAP:



8/15/25
Paige Mortenson
CPE: 11130125

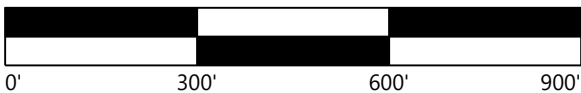
PREPARED FOR:



120 Garrett St Suite 700
Charlottesville, VA 22902

REVISIONS:

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3	08/15/2025	DFP REVISION	GN	PM	GN



Coles Wind Project

Coles County, Illinois

Site Plan - T46, T47,
T48, T49

ISSUED FOR CONSTRUCTION

DATE: 08/15/2025

SHEET: C332

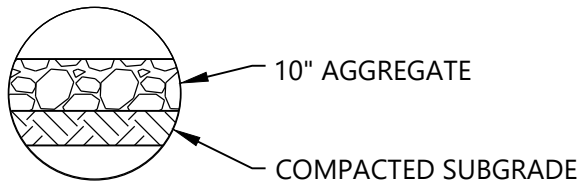
REV: 3

GENERAL NOTES:

- COORDINATE SYSTEM: NAD83(2011) ILLINOIS EAST 1201 ZONE.
- THE SITE SHALL BE CLEARED AND GRUBBED TO REMOVE ALL DEBRIS, TOPSOIL, AND ORGANIC MATERIAL. ALL TRASH SHALL BE REMOVED.
- TOPSOIL, OR OTHER SOIL ENCOUNTERED, THAT PROMOTES VEGETATIVE GROWTH SHALL BE STOCKPILED AND USED IN AREA THAT WILL BE GRASSED.
- AFTER COMPLETION OF CLEARING AND GRUBBING OPERATIONS, ALL AREAS SHOWN TO SUPPORT FILL MATERIAL, TRAFFIC, AND/OR STRUCTURES, SHALL BE PROOF ROLLED WITH A LOADED DUMP TRUCK WITH A MINIMUM GROSS WEIGHT OF 25 TONS. PROOF ROLLING SHALL BE OBSERVED BY THE GEOTECHNICAL ENGINEER. IDENTIFIED WEAK OR SOFT AREAS SHALL BE RECTIFIED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT RECOMMENDATIONS, AND ANY GUIDANCE PROVIDED BY THE GEOTECHNICAL ENGINEER.
- IN-PLACE DENSITY TESTS SHALL BE PERFORMED IN THE FIELD BY AN EXPERIENCED GEOTECHNICAL ENGINEERING TECHNICIAN TO EVALUATE THE PERFORMANCE OF THE CONTRACTOR'S COMPACTION EFFORTS. COMPACTION TESTING SHALL BE PERFORMED AT A TESTING FREQUENCY OF ONE TEST PER 2,500 SQUARE FEET, PER LIFT, AND DIRECT TESTING IN ANY AREA WHERE SOFT OR QUESTIONABLE MATERIAL MAY BE IDENTIFIED THE TECHNICIAN SHALL ALSO BE EMPLOYED TO ASSIST THE GRADING CONTRACTOR IN MOISTURE CONTROL BY PERFORMING ON-SITE FILL MOISTURE TESTS.
- SOIL FERTILIZATION, AMENDMENTS, AND SEEDING SHALL BE PERFORMED AS NEEDED AND BY RECOMMENDATION OF THE SEED MANUFACTURER/DISTRIBUTOR. SEED MIX SHALL BE A MIX AS LISTED FROM "IDOT CLASS 4 (NATIVE GRASS MIXTURE, AS SHOWN IN PROJECT SWPPP)", OR AS RECOMMENDED BY SEED MANUFACTURER/DISTRIBUTOR.
- VERTICAL DATUM UNKNOWN. BENCHMARKS MUST BE ESTABLISHED BEFORE COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
- ALL CUT/FILL SLOPES SHALL BE 4:1 OR FLATTER UNLESS OTHERWISE NOTED.
- CULVERTS SHALL HAVE A MINIMUM OF 1' OF COVER OVER THE TOP OF THE PIPE. CONTRACTOR TO ADHERE TO PIPE MANUFACTURER'S INSTALLATION GUIDELINES FOR COVER BASED ON LOADINGS AND INSTALLATION METHODS. CULVERT SIZING TO BE VERIFIED BY LOCAL JURISDICTION.
- DISTURBED SOILS WITHIN DITCHES AND SIDE SLOPES SHALL BE STABILIZED WITH WOOD FIBER BLANKET.
- CULVERT MATERIALS WITHIN THE STATE RIGHT-OF-WAY SHALL CONFORM TO IDOT STANDARDS.
- PROVIDE POSITIVE DRAINAGE IN ALL AREAS.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL UTILITY LOCATIONS, CONDITIONS, DIMENSIONS, AND ELEVATIONS PRIOR TO CONSTRUCTION AND ORDERING OF ANY MATERIALS.
- THE CONTRACTOR SHALL EMPLOY TEMPORARY EROSION CONTROL MEASURES DURING CONSTRUCTION OPERATIONS IN ACCORDANCE WITH IDOT STANDARDS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL STATE AND LOCAL ORDINANCES AND FOR OBTAINING ALL NECESSARY PERMITS PRIOR TO INITIATING CONSTRUCTION.
- CONTRACTOR TO PROVIDE TRAFFIC CONTROL AND RELOCATE ALL IMPACTED SIGNAGE AS REQUIRED BY STATE OR COUNTY OFFICIALS.

LEGEND:

- PARCEL LINES
- EX. PAVED ROAD
- EX. OVERHEAD POWER
- RIGHT-OF-WAY LINES
- EX. EASEMENT LINE
- FLOW ARROW
- EX. INDEX CONTOUR
- EX. INTERVAL CONTOUR
- PROPOSED INDEX CONTOUR
- PROPOSED INTERVAL CONTOUR
- PROPOSED DISTURBANCE LIMITS
- UNDERGROUND COLLECTION PROVIDED BY OTHERS
- PROPOSED CULVERT
- PROPOSED BASIN
- PROPOSED GRAVEL PAD
- PROPOSED EROSION CONTROL BLANKET
- PERIMETER SEDIMENT CONTROL (PSC), REFER TO SWPPP APPROVED ESC PRACTICES.



O&M AGGREGATE YARD CROSS SECTION:

EARTHWORK SUMMARY:

FOOTPRINT:

AGGREGATE AREA = 270,950 SF
TOTAL GRADED AREA = 375,130 SF

IMPORTS:

AGGREGATE AREA (10" DEPTH) = 8,363 CY

EARTHWORK:

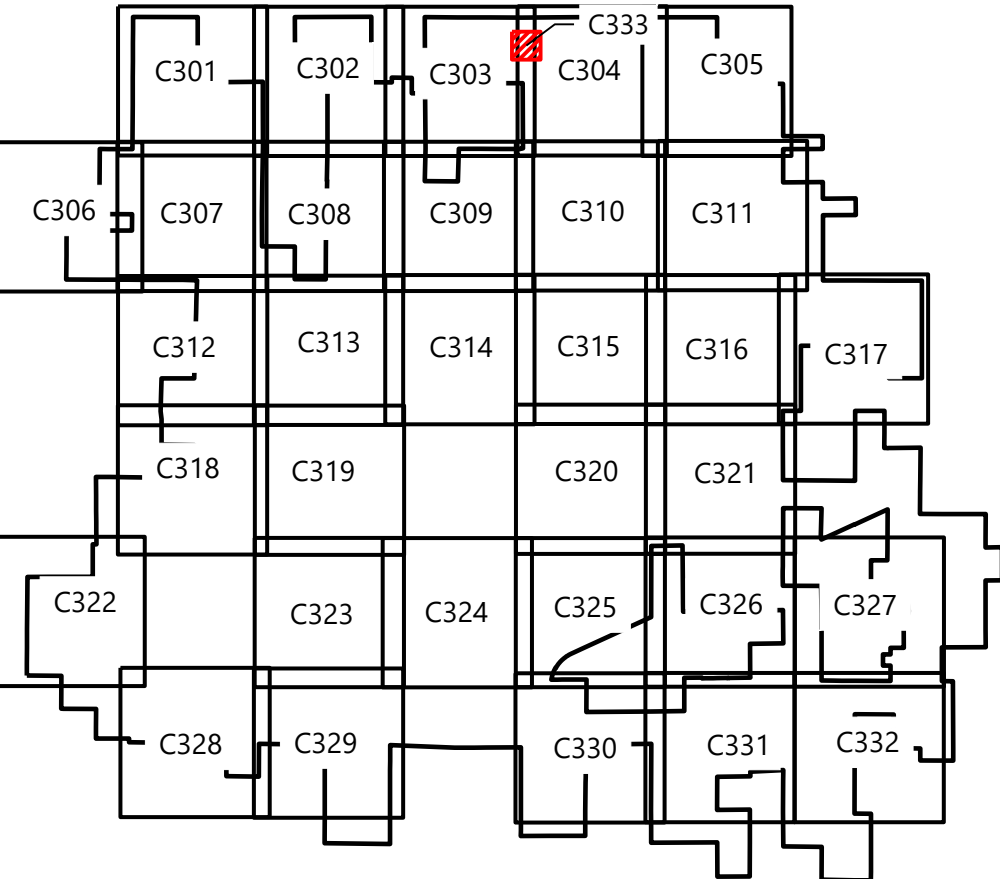
TOPSOIL STRIP (12" DEPTH OVER TOTAL GRADED AREA) = 13,895 CY

RAW CUT = 72 CY
RAW FILL = 43,773 CY
RAW NET = 43,701 CY (FILL)

EARTHWORK ASSUMPTIONS:

- FOR ESTIMATING ONLY.
- ALL VOLUMES ARE "IN-PLACE" (BANK OR COMPACTED CUBIC YARD ESTIMATES).
- NO SHRINK OR SWELL FACTORS ARE ASSUMED. (OTHERWISE DOCUMENT HERE)
- THE ENTIRE GRADED AREA, INCLUDING GREEN SPACE, WILL BE STRIPPED AND STOCKPILED IN DESIGNATED LOCATION(S).
- COMPACTED SUBGRADE QUANTITIES REPRESENT EARTHWORK MOVEMENT THAT IS REQUIRED AFTER THE TOPSOIL HAS BEEN STRIPPED AND BEFORE ANY AGGREGATE IS PLACED.
- ELEVATIONS SHOWN ON THE PLAN ARE TO FINISHED GRADE. SUBGRADE ELEVATION WILL BE THE FINISHED GRADE MINUS THE AGGREGATE DEPTH.
- TOPSOIL STOCKPILE WILL BE UTILIZED FOR RE-SPREAD IN THE GREEN SPACE AREAS, AT THE SAME DEPTH OF THE TOPSOIL STRIP. ANY REMAINING TOPSOIL WILL BE SPREAD IN CLOSE PROXIMITY WITHOUT ADVERSELY AFFECTING THE DRAINAGE PATTERNS OF THE AREA.
- IN THE CASE OF AN UNBALANCED SUBGRADE, THE CONTRACTOR MAY IMPORT GENERAL FILL MATERIAL OR BORROW FROM AN ADJACENT BORROW PIT IF SHORT ON MATERIAL. IN THE CASE OF EXCESS SUBGRADE MATERIAL, THE CONTRACTOR MAY CHOOSE TO STOCKPILE THE SUBGRADE MATERIAL OR EXPORT THE GENERAL FILL MATERIAL. THE CONTRACTOR WILL NED TO COORDINATE WITH LANDOWNER(S) AS APPROPRIATE.

KEYMAP:



PAIGE R. MORTENSON
062-077157
8/15/25
P. Mortenson
C&P: 11/30/25

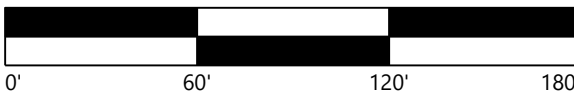
PREPARED FOR:



120 Garrett St Suite 700
Charlottesville, VA 22902

REVISIONS:

#	DATE	COMMENT	BY	CHK
0	07/25/2025	ISSUED FOR CONSTRUCTION	SL	GN
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3	08/15/2025	DFP REVISION	GN	PM



Coles Wind Project

Coles County, Illinois

O&M Grading Sheet

ISSUED FOR CONSTRUCTION

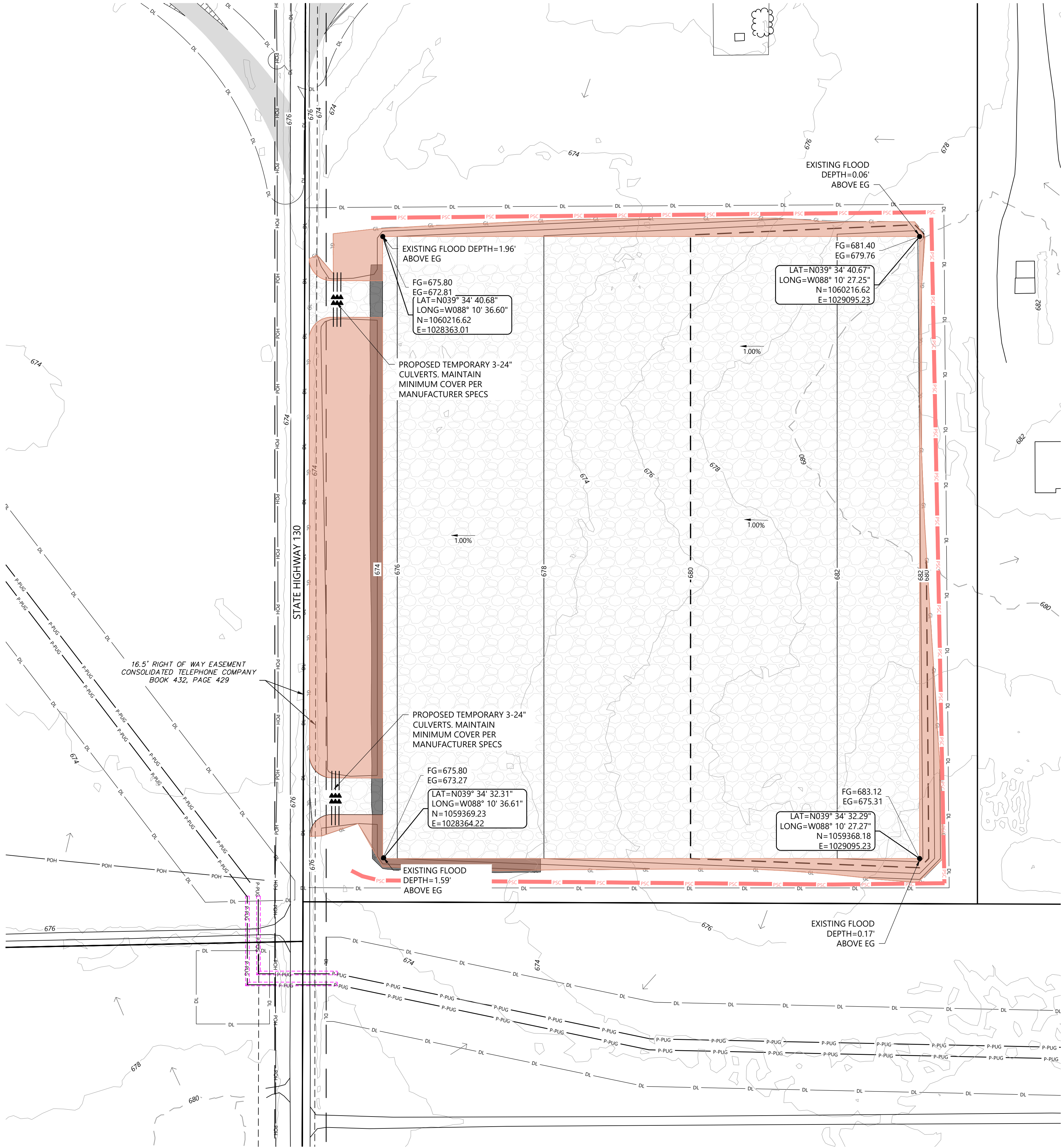
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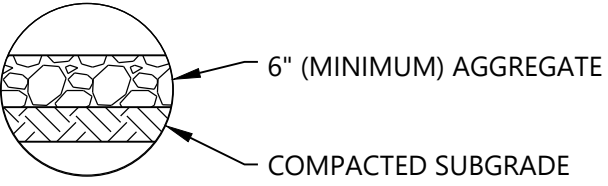
3

\\00228281- CAD_Civil\\0228281-01-C334\\C334.dwg 8/15/2025 3:46 PM Gabriel Natera



LEGEND:

- PARCEL LINES
- EX. PAVED ROAD
- EX. OVERHEAD POWER
- RIGHT-OF-WAY LINES
- EX. EASEMENT LINE
- FLOW ARROW
- EX. INDEX CONTOUR
- EX. INTERVAL CONTOUR
- PROPOSED INDEX CONTOUR
- PROPOSED INTERVAL CONTOUR
- PROPOSED DISTURBANCE LIMITS
- UNDERGROUND COLLECTION PROVIDED BY OTHERS
- PROPOSED CULVERT
- PROPOSED BASIN
- PROPOSED GRAVEL PAD
- PROPOSED EROSION CONTROL BLANKET
- PERIMETER SEDIMENT CONTROL (PSC). REFER TO SWPPP APPROVED ESC PRACTICES.



LAYDOWN YARD CROSS SECTION:

EARTHWORK SUMMARY:

FOOTPRINT:

AGGREGATE AREA = 759,900 SF
TOTAL GRADED AREA = 815,185 SF

IMPORTS:

AGGREGATE AREA (6" DEPTH) = 14,080 CY

EARTHWORK:

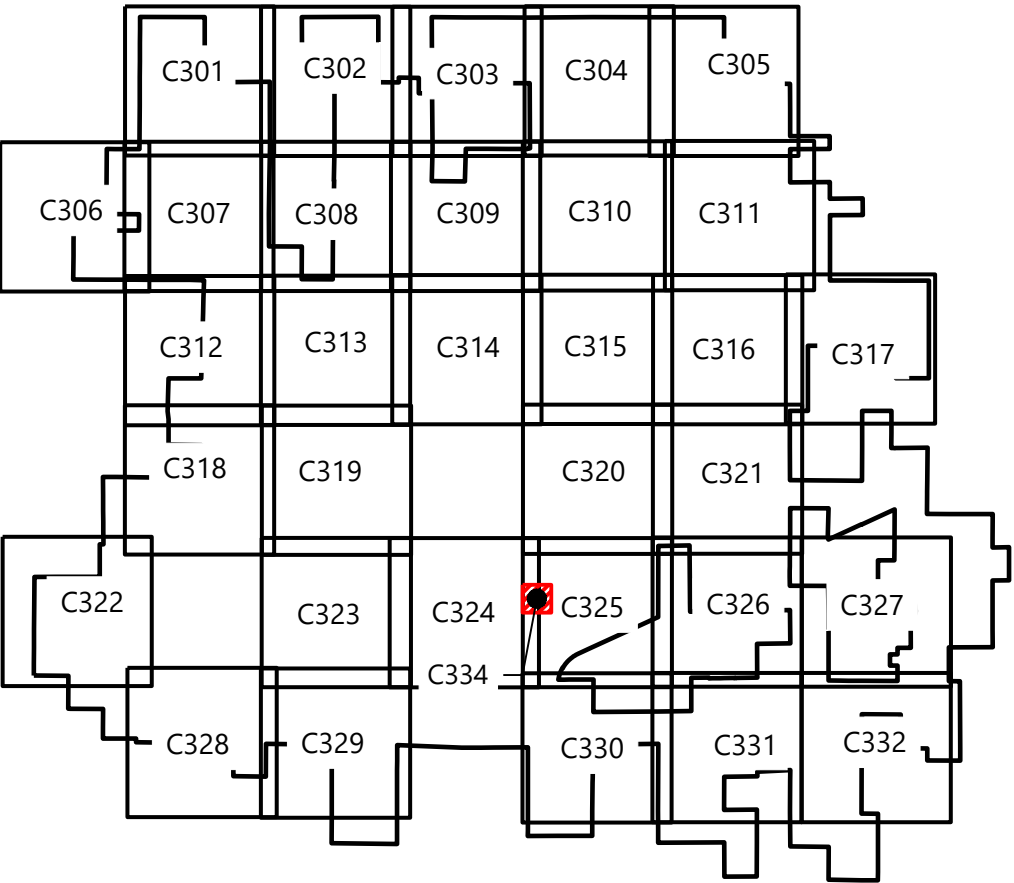
TOPSOIL STRIP (12" DEPTH OVER TOTAL GRADED AREA) = 30,192 CY

RAW CUT = 0 CY
RAW FILL = 101,090 CY
RAW NET = 101,090 CY (FILL)

EARTHWORK ASSUMPTIONS:

- FOR ESTIMATING ONLY.
- ALL VOLUMES ARE "IN-PLACE" (BANK OR COMPACTED CUBIC YARD ESTIMATES).
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KEYMAP:



NOTES:



8/15/25
Paige Mortenson
C.E.P. 11/30/25

PREPARED FOR:



120 Garrett St Suite 700
Charlottesville, VA 22902

REVISIONS:

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3	08/15/2025	DFP REVISION	GN	PM	GN



Coles Wind Project

Coles County, Illinois

Laydown Yard Grading Sheet

ISSUED FOR CONSTRUCTION

DATE: 08/15/2025

SHEET: C334

REV:

3

INTERSECTION #1

US HIGHWAY 57 AND COUNTY ROAD 1000 N

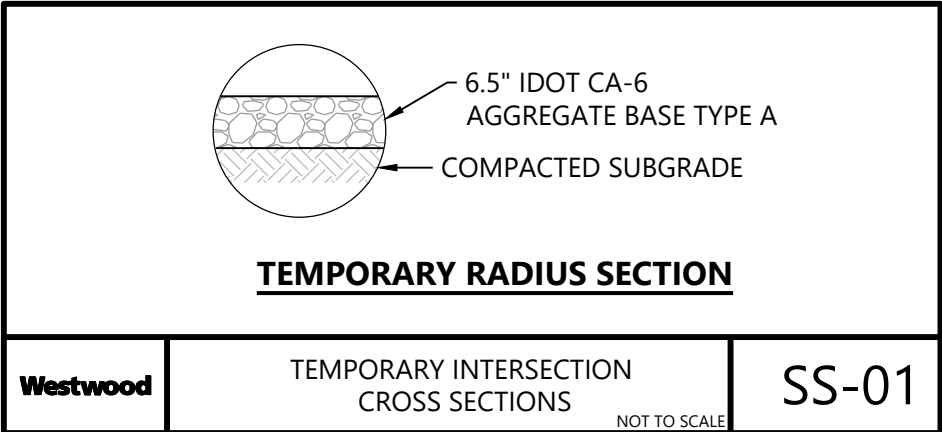
LAT: N 39°31'17.97"
LONG: W 88°18'58.57"

CAUTION!!!
EXISTING UTILITIES IN THE AREA. UTILITIES
LOCATION SHOWN ARE SCHEMATIC IN NATURE
AND MAY NOT ACCURATELY REFLECT SIZE,
HORIZONTAL, AND/OR VERTICAL LOCATION. THE
CONTRACTOR SHALL VERIFY THE EXACT
LOCATION PRIOR TO BEGINNING CONSTRUCTION.
CONTACT AFFECTED UTILITIES AT LEAST 48 HOURS
PRIOR TO CONSTRUCTION IN THIS AREA

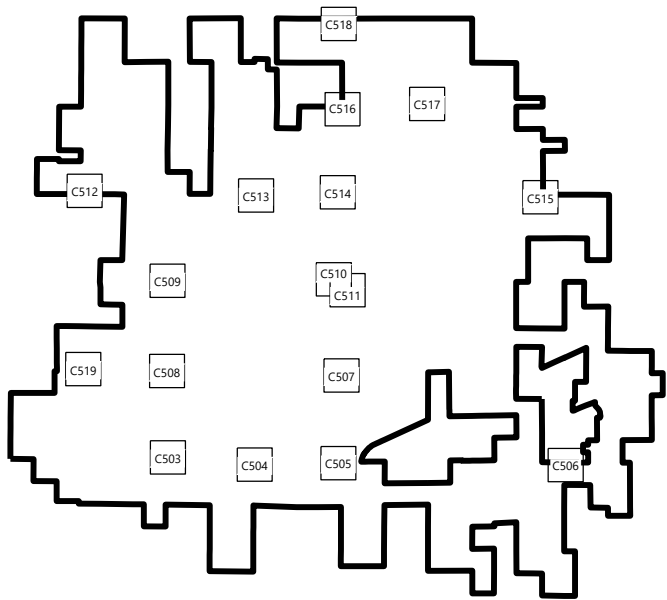
- LEGEND:
- PARCEL LINES
 - DELIVERY ROUTE (INGRESS)
 - TEMPORARY INTERSECTION IMPROVEMENT
 - UNDERGROUND COLLECTION
 - DISTURBANCE LIMITS
 - GRADING LIMITS
 - NON-PARTICIPATING LAND*
 - RIGHT-OF-WAY LINES
 - EASEMENT LINES
 - EX. INDEX CONTOUR
 - EX. INTERVAL CONTOUR
 - PROPOSED INDEX CONTOUR
 - PROPOSED INTERVAL CONTOUR
 - EX. ROAD CENTERLINE
 - EX. CULVERT
 - EX. OVERHEAD POWER
 - EX. STREAM CHANNEL
 - PROPOSED TEMPORARY CULVERT
 - EX. WETLAND
 - EX. 50' WETLAND BUFFER
 - EX. SANDPIPER HABITAT
 - EX. BAT HABITAT
 - PROPOSED BLADE SWING AREA
 - PROPOSED FACILITIES
 - PROPOSED TEMPORARY CULVERT
 - PERIMETER SEDIMENT CONTROL
 - FLOW ARROW

*CONTRACTOR AND OWNER TO CONFIRM PERMITTING REQUIREMENTS FOR
WORK WITHIN RIGHT-OF-WAY CONFLICTING WITH NON-PARTICIPATING LAND.
IT IS ASSUME ALL WORK WITHIN RIGHT OF WAY IS PERMITTED

- GENERAL NOTES:
- ALL CUT/FILL SLOPES SHALL BE 3:1 OR FLATTER UNLESS OTHERWISE NOTED.
 - DISTURBED SOILS WITHIN DITCHES AND SIDE SLOPES SHALL BE STABILIZED
 - PROVIDE POSITIVE DRAINAGE IN ALL AREAS
 - TEMPORARY INTERSECTION SECTIONS SHOWN ARE THE MINIMUM THICKNESS REQUIREMENTS DURING NORMAL FIELD CONDITIONS. THE SECTIONS MAY NEED TO BE INCREASED BASED ON ACTUAL CONDITIONS AT THE TIME OF CONSTRUCTION. CONDITIONS INCLUDE BUT ARE NOT LIMITED TO CONSTRUCTION DURING THE FREEZE/THAW CYCLE, UNUSUALLY WET PERIODS, OR IN LOW/WET AREAS.
 - IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL UTILITY LOCATIONS, CONDITIONS AT THE TIME OF CONSTRUCTION AND ORDERING OF ANY MATERIALS.
 - PROVIDE SELECT COMPACTED BACKFILL TO ONE FOOT OVER THE TOP OF EXISTING UTILITY. COORDINATE IN ADVANCE WITH THE APPROPRIATE UTILITY COMPANY REGARDING OTHER REQUIREMENTS.
 - THE CONTRACTOR SHALL EMPLOY TEMPORARY EROSION CONTROL MEASURES DURING CONSTRUCTION OPERATIONS IN ACCORDANCE TO ODOT STANDARDS.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL STATE AND LOCAL ORDINANCES AND FOR OBTAINING ALL NECESSARY PERMITS PRIOR TO INITIATING CONSTRUCTION.
 - REMOVE TEMPORARY IMPROVEMENTS AFTER CONSTRUCTION OF WIND TURBINE GENERATOR IS COMPLETE.
 - CONTRACTOR TO PROVIDE TRAFFIC CONTROL AND RELOCATE ALL IMPACTED SIGNAGE AS REQUIRED BY STATE OR COUNTY OFFICIALS.
 - PROPOSED TEMPORARY INTERSECTION IMPROVEMENT. DUE TO EXISTING ROAD, GE TYPICAL IMPROVEMENT COULD NOT BE USED. AN AUTOTURN WAS COMPLETED TO DETERMINE THE DESIGN



KEYMAP:



Westwood

Phone (214) 473-4640
Toll Free (888) 937-5150
2901 Dallas Parkway, Suite 400
Plano, TX 75093
westwoodps.com

Westwood Professional Services, Inc.



PAIGE R. MORTENSON
062-077157
8/15/25
Paige Mortenson
CPE: 11/30/25

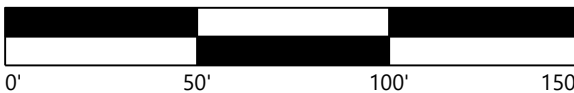
PREPARED FOR:



120 Garrett St Suite 700
Charlottesville, VA 22902

REVISIONS:

#	DATE	COMMENT	BY	CHK	APR
0	07/25/2025	ISSUED FOR CONSTRUCTION	SL	GN	PM
1	07/29/2025	UPDATED ACCESS ROAD T-39/45	SL	GN	PM
2	08/08/2025	UPDATED TURBINE T-39/47	DM	GN	PM
3	08/15/2025	DFP REVISION	GN	PM	GN



Coles Wind Project

Coles County, Illinois

Public Improvement
Intersection - 1

ISSUED FOR CONSTRUCTION

DATE: 08/15/2025

SHEET: C501

REV:

3

COUNTY ROAD 1000 N AND STATE HIGHWAY 130

LAT: N 39°31'15.52"
LONG: W 88°10'38.65"

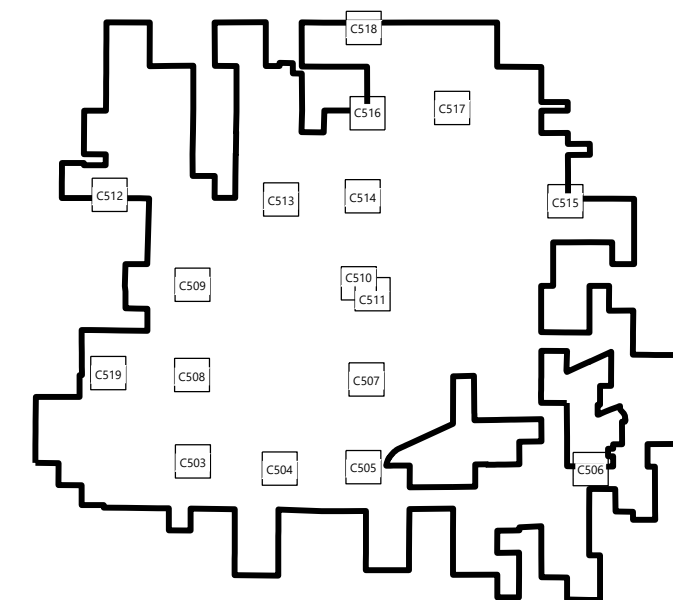
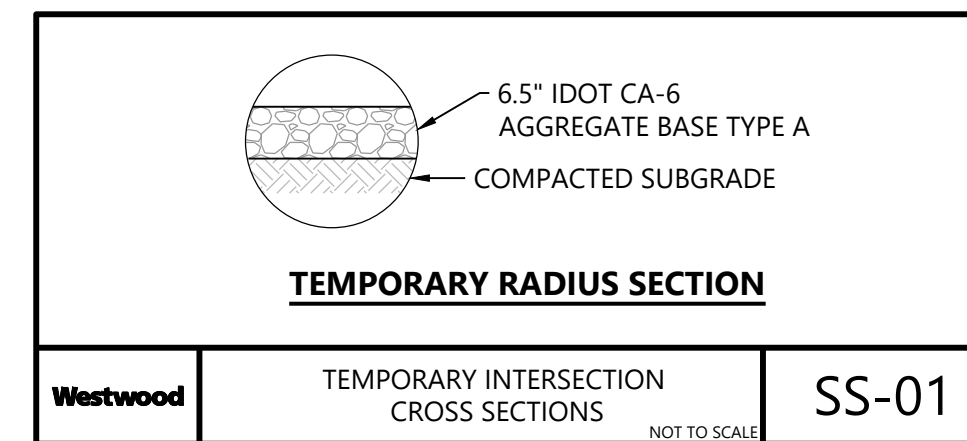
CAUTION!!!
EXISTING UTILITIES IN THE AREA. UTILITIES
LOCATION SHOWN ARE SCHEMATIC IN NATURE
AND MAY NOT ACCURATELY REFLECT SIZE,
HORIZONTAL, AND/OR VERTICAL LOCATION. THE
CONTRACTOR SHALL VERIFY THE EXACT
LOCATION PRIOR TO BEGINNING CONSTRUCTION.
CONTACT AFFECTED UTILITIES AT LEAST 48 HOURS
PRIOR TO CONSTRUCTION IN THIS AREA

	PARCEL LINES
	DELIVERY ROUTE (INGRESS)
	TEMPORARY INTERSECTION IMPROVEMENT
	UNDERGROUND COLLECTION
	DISTURBANCE LIMITS
	GRADING LIMITS
	NON-PARTICIPATING LAND*
	RIGHT-OF-WAY LINES
	EASEMENT LINES
	EX. INDEX CONTOUR
	EX. INTERVAL CONTOUR
	PROPOSED INDEX CONTOUR
	PROPOSED INTERVAL CONTOUR
	EX. ROAD CENTERLINE
	EX. CULVERT
	EX. OVERHEAD POWER
	EX. STREAM CHANNEL
	PROPOSED TEMPORARY CULVERT
	EX. WETLAND
	EX. 50' WETLAND BUFFER
	EX. SANDPIPER HABITAT
	EX. BAT HABITAT
	PROPOSED BLADE SWING AREA
	PROPOSED FACILITIES
	PROPOSED TEMPORARY CULVERT
	PERIMETER SEDIMENT CONTROL
	FLOW ARROW

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GENERAL NOTES:

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10. CONTRACTOR TO PROVIDE TRAFFIC CONTROL AND RELOCATE ALL IMPACTED SIGNAGE AS REQUIRED BY STATE OR COUNTY OFFICIALS.
11. PROPOSED TEMPORARY INTERSECTION IMPROVEMENT. DUE TO EXISTING ROAD, GE TYPICAL IMPROVEMENT COULD NOT BE USED. AN AUTOTURN WAS COMPLETED TO DETERMINE THE DESIGN



Phone (214) 473-4640 2901 Dallas Parkway, Suite 400
Toll Free (888) 937-5150 Plano, TX 75093
westwoodps.com

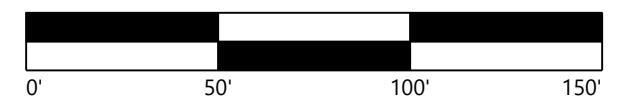
Westwood Professional Services, Inc.



120 Garrett St Suite 700
Charlottesville, VA 22902

#	DATE	COMMENT	BY	CHK	APR
0	07/25/2025	ISSUED FOR CONSTRUCTION	SL	GN	PM
1	07/29/2025	UPDATED ACCESS ROAD T-39/45	SL	GN	PM
2	08/08/2025	UPDATED TURBINE T-39/47	DM	GN	PM
3	08/15/2025	DFP REVISION	GN	PM	GN

#	DATE	COMMENT	BY	CHK	APR
0	07/25/2025	ISSUED FOR CONSTRUCTION	SL	GN	PM
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2	08/08/2025	UPDATED TURBINE T-39/47	DM	GN	PM
3	08/15/2025	DFP REVISION	GN	PM	GN



Coles County, Illinois

Public Improvement Intersection - 2

DATE: 08/15/2025

SHEET: C502

REV-

3

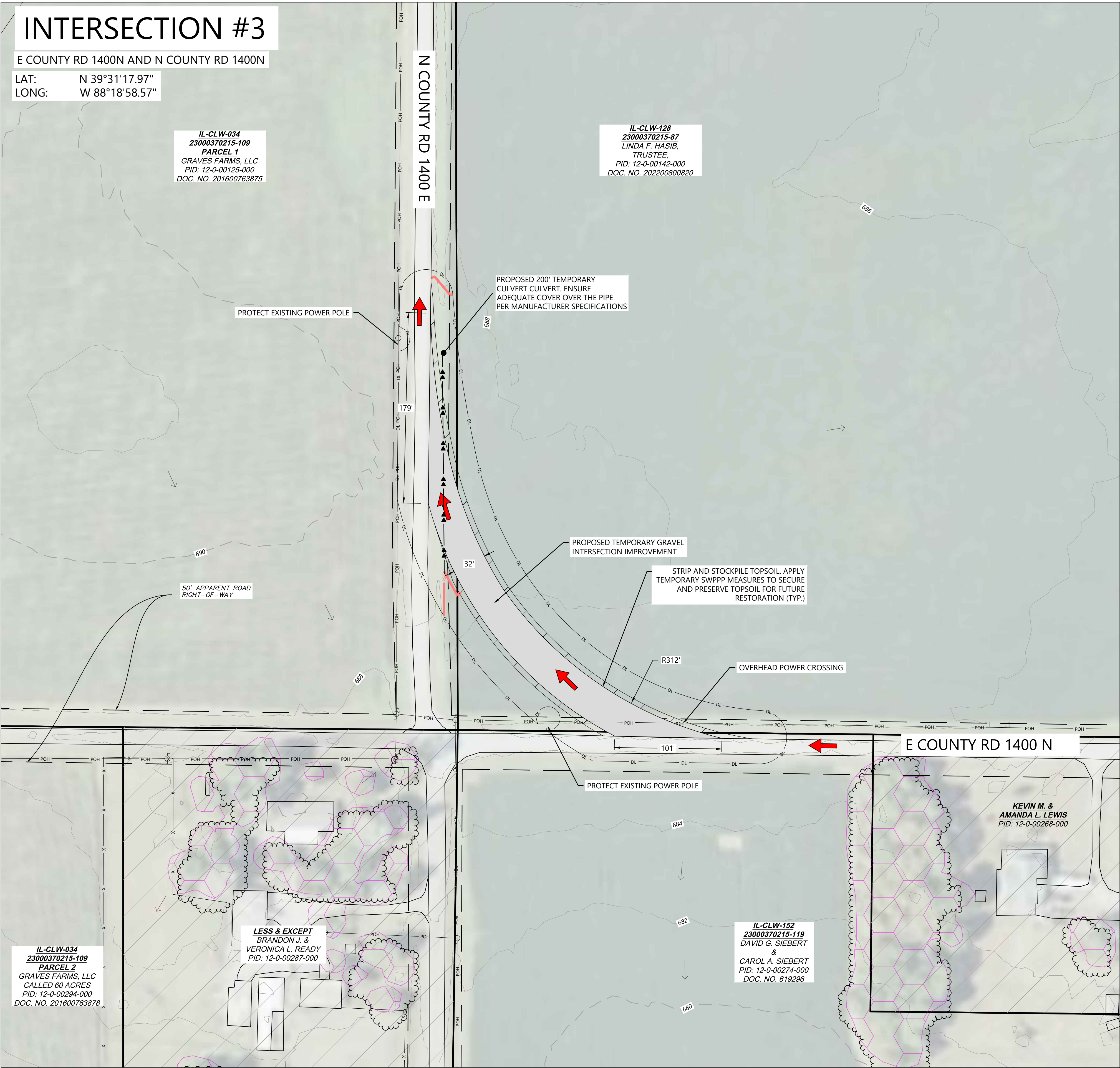
INTERSECTION #3

E COUNTY RD 1400N AND N COUNTY RD 1400N

LAT: N 39°31'17.97"
LONG: W 88°18'58.57"

IL-CLW-034
23000370215-109
PARCEL 1
GRAVES FARMS, LLC
PID: 12-0-00125-000
DOC. NO. 201600763875

IL-CLW-128
23000370215-87
LINDA F. HASIB,
TRUSTEE,
PID: 12-0-00142-000
DOC. NO. 202200800820



LEGEND:

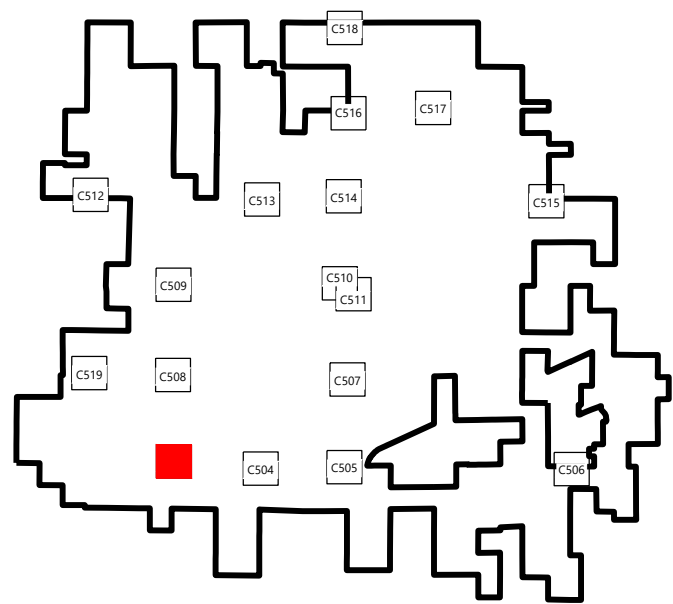
- DELIVERY ROUTE (INGRESS)
- TEMPORARY INTERSECTION IMPROVEMENT
- UNDERGROUND COLLECTION
- DISTURBANCE LIMITS
- GRADING LIMITS
- NON-PARTICIPATING LAND*
- RIGHT-OF-WAY LINES
- EASEMENT LINES
- EX. INDEX CONTOUR
- EX. INTERVAL CONTOUR
- PROPOSED INDEX CONTOUR
- PROPOSED INTERVAL CONTOUR
- EX. ROAD CENTERLINE
- EX. CULVERT
- EX. OVERHEAD POWER
- EX. STREAM CHANNEL
- PROPOSED TEMPORARY CULVERT
- EX. WETLAND
- EX. 50' WETLAND BUFFER
- EX. SANDPIPER HABITAT
- EX. BAT HABITAT
- PROPOSED BLADE SWING AREA
- PROPOSED FACILITIES
- PROPOSED TEMPORARY CULVERT
- PERIMETER SEDIMENT CONTROL
- FLOW ARROW

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EROSION AND SEDIMENT CONTROL NOTES:

- REFER TO THE CONSTRUCTION STORMWATER PERMIT, THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP), AND SHEET C715 FOR ADDITIONAL INFORMATION.
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- REFER TO SHEETS C707-C710 FOR TYPICAL BMP APPLICATIONS INCLUDING:
 - PERIMETER SEDIMENT CONTROLS (PSC) ALONG CONSTRUCTION PERIMETER
 - SOIL STABILIZATION OF DISTURBED SOIL AREAS
 - CHANNEL STABILIZATION OF CONCENTRATED FLOW AREAS

KEYMAP:



Coles Wind Project

Coles County, Illinois

Public Improvement
Intersection - 3

ISSUED FOR CONSTRUCTION

DATE: 08/15/2025

SHEET: C503

REV: 3

Westwood

Phone (214) 473-4640 2901 Dallas Parkway, Suite 400
Toll Free (888) 937-5150 Plano, TX 75093
westwoodps.com

Westwood Professional Services, Inc.



8/15/25
Paige Mortenson
C.E.P.: 11130125

PREPARED FOR:



120 Garrett St Suite 700
Charlottesville, VA 22902

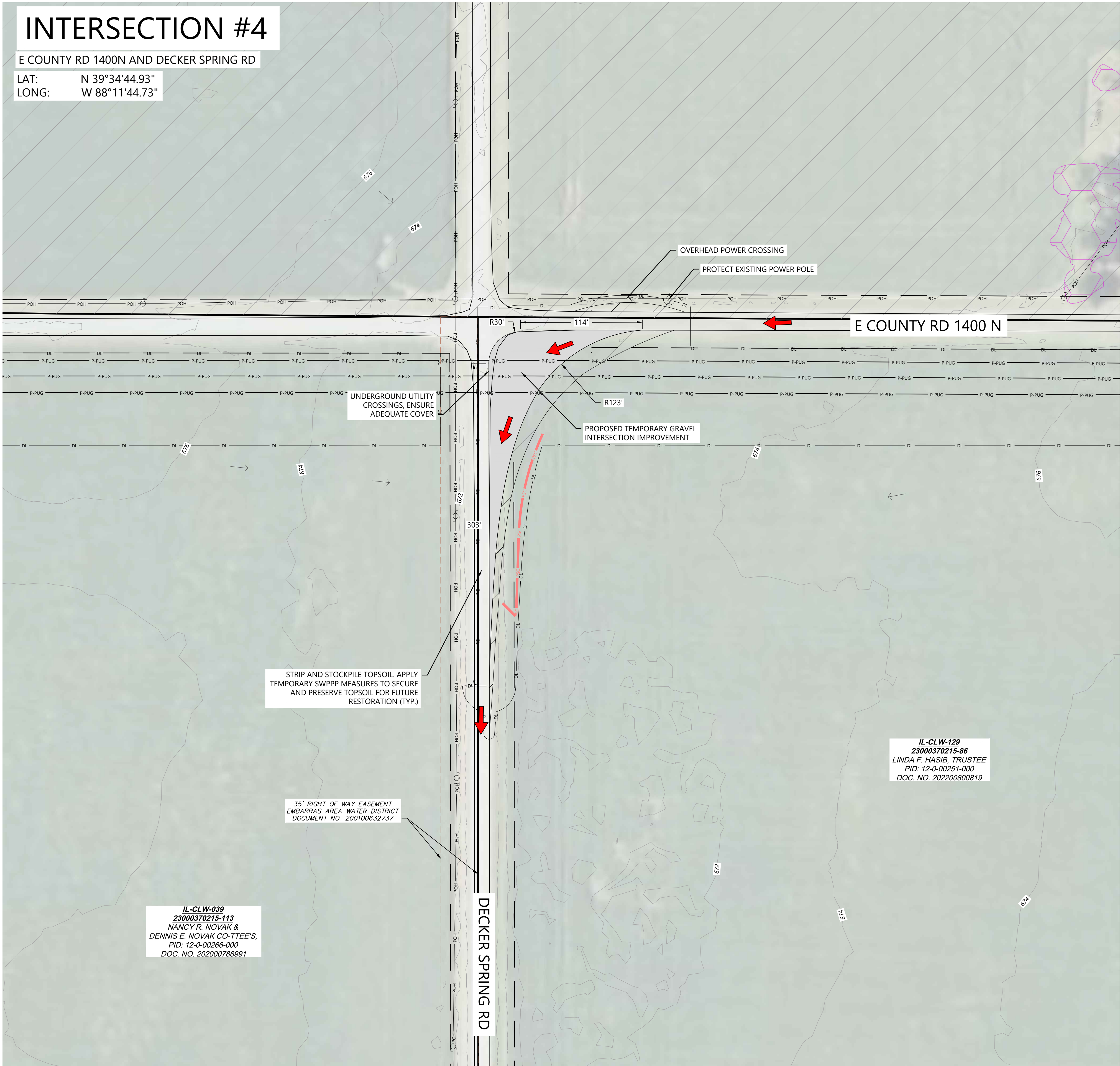
REVISIONS:

#	DATE	COMMENT	BY	CHK	APR
0	07/25/2025	ISSUED FOR CONSTRUCTION	SL	GN	PM
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2	08/08/2025	UPDATED TURBINE T-39/47	DM	GN	PM
3	08/15/2025	DFP REVISION	GN	PM	GN

INTERSECTION #4

E COUNTY RD 1400N AND DECKER SPRING RD

LAT: N 39°34'44.93"
LONG: W 88°11'44.73"



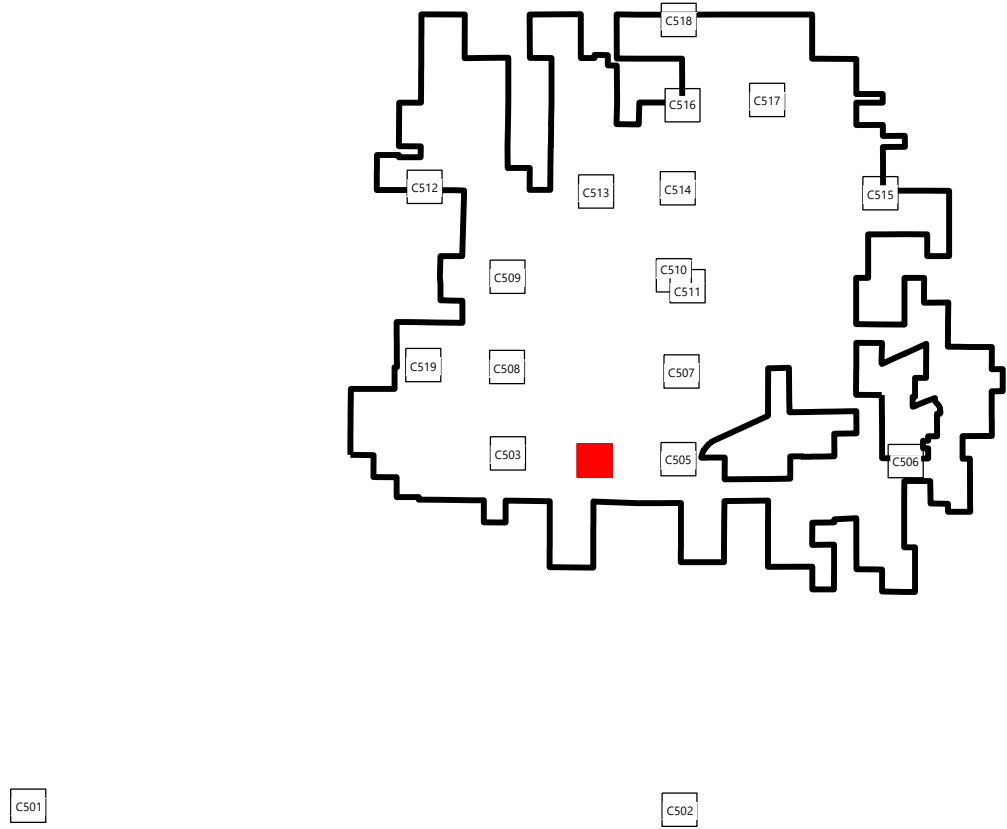
- LEGEND:
- PARCEL LINES
 - DELIVERY ROUTE (INGRESS)
 - TEMPORARY INTERSECTION IMPROVEMENT
 - UNDERGROUND COLLECTION
 - DISTURBANCE LIMITS
 - GRADING LIMITS
 - NON-PARTICIPATING LAND*
 - RIGHT-OF-WAY LINES
 - EASEMENT LINES
 - EX. INDEX CONTOUR
 - EX. INTERVAL CONTOUR
 - PROPOSED INDEX CONTOUR
 - PROPOSED INTERVAL CONTOUR
 - EX. ROAD CENTERLINE
 - EX. CULVERT
 - EX. OVERHEAD POWER
 - EX. STREAM CHANNEL
 - PROPOSED TEMPORARY CULVERT
 - EX. WETLAND
 - EX. 50' WETLAND BUFFER
 - EX. SANDPIPER HABITAT
 - EX. BAT HABITAT
 - PROPOSED BLADE SWING AREA
 - PROPOSED FACILITIES
 - PROPOSED TEMPORARY CULVERT
 - PERIMETER SEDIMENT CONTROL
 - FLOW ARROW

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 - CHANNEL STABILIZATION OF CONCENTRATED FLOW AREAS

KEYMAP:



Westwood

Phone (214) 473-4640 2901 Dallas Parkway, Suite 400
Toll Free (888) 937-5150 Plano, TX 75093
westwoodps.com

Westwood Professional Services, Inc.



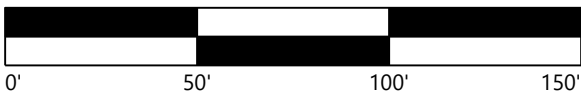
PREPARED FOR:



120 Garrett St Suite 700
Charlottesville, VA 22902

REVISIONS:

#	DATE	COMMENT	BY	CHK	APR
0	07/25/2025	ISSUED FOR CONSTRUCTION	SL	GN	PM
1	07/29/2025	UPDATED ACCESS ROAD T-39/45	SL	GN	PM
2	08/08/2025	UPDATED TURBINE T-39/47	DM	GN	PM
3	08/15/2025	DFP REVISION	GN	PM	GN



Coles Wind Project

Coles County, Illinois

Public Improvement
Intersection - 4

ISSUED FOR CONSTRUCTION

DATE: 08/15/2025

SHEET: C504

REV:

3

INTERSECTION #5 & 6

E COUNTY RD 1400N AND STATE HIGHWAY 130

LAT: N 39°34'44.66"
LONG: W 88°10'38.05"

SAVE & EXCEPT
RONDAL J. &
CATHERINE L. VEACH
PID 12-0-00165-002

LISA M. TICHENOR
PID: 12-0-00161-000

IL-CLW-048
23000370215-40
PARCEL 4
HUDSON WILLIAM D & JEAN
TRUST
PID: 12-0-00174-001
DOC. NO. 582213

DEDICATION OF RIGHT OF WAY
COUNTY HIGHWAY DEPARTMENT
BOOK 407, PAGE 282

E COUNTY RD 1400 N

IL-CLW-050
23000370215-42
JEFFERY D. HUDSON &
SARAH L G HUDSON TRUSTEES OF
THE
HUDSON FAMILY TRUST
PID: 12-0-00234-001
DOC. NO. 618756

IL-CLW-100
23000370215-111
DEAN W. NELSON
AND
CAROL KAY NELSON
PID: 12-0-00248-000
DOC. NO. 684868

STRIP AND STOCKPILE TOPSOIL APPLY
TEMPORARY SWPPP MEASURES TO SECURE
AND PRESERVE TOPSOIL FOR FUTURE
RESTORATION (TYP.)

OVERHEAD POWER CROSSING

PROTECT EXISTING POWER POLE

PROPOSED TEMPORARY GRAVEL
INTERSECTION IMPROVEMENT

PROPOSED LAYDOWN YARD
(SEE SHEET C334)

LEGEND:

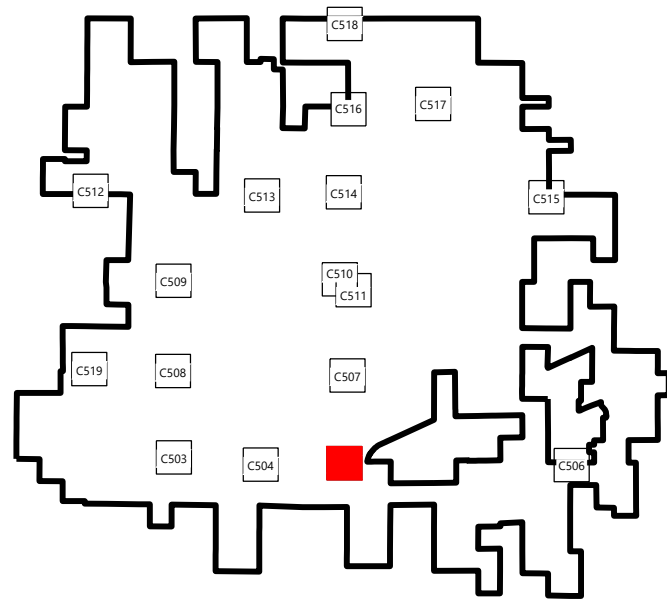
- PARCEL LINES
- DELIVERY ROUTE (INGRESS)
- TEMPORARY INTERSECTION IMPROVEMENT
- UNDERGROUND COLLECTION
- DISTURBANCE LIMITS
- DL
- GL
- NON-PARTICIPATING LAND*
- RIGHT-OF-WAY LINES
- EASEMENT LINES
- EX. INDEX CONTOUR
- EX. INTERVAL CONTOUR
- PROPOSED INDEX CONTOUR
- PROPOSED INTERVAL CONTOUR
- EX. ROAD CENTERLINE
- EX. CULVERT
- EX. OVERHEAD POWER
- EX. STREAM CHANNEL
- PROPOSED TEMPORARY CULVERT
- EX. WETLAND
- EX. 50' WETLAND BUFFER
- EX. SANDPIPER HABITAT
- EX. BAT HABITAT
- PROPOSED BLADE SWING AREA
- PROPOSED FACILITIES
- PROPOSED TEMPORARY CULVERT
- PERIMETER SEDIMENT CONTROL
- FLOW ARROW

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 - CHANNEL STABILIZATION OF CONCENTRATED FLOW AREAS

KEYMAP:



Coles Wind Project

Coles County, Illinois

Public Improvement
Intersection - 5 & 6

ISSUED FOR CONSTRUCTION

DATE: 08/15/2025

SHEET: C505

REV: 3

Westwood

Phone (214) 473-4640 2901 Dallas Parkway, Suite 400
Toll Free (888) 937-5150 Plano, TX 75093
westwoodps.com

Westwood Professional Services, Inc.



PAIGE R. MORTENSON
062-077157
8/15/25
Paige Mortenson
C&P: 11130125

PREPARED FOR:



120 Garrett St Suite 700
Charlottesville, VA 22902

REVISIONS:

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3	08/15/2025	DFP REVISION	GN	PM	GN

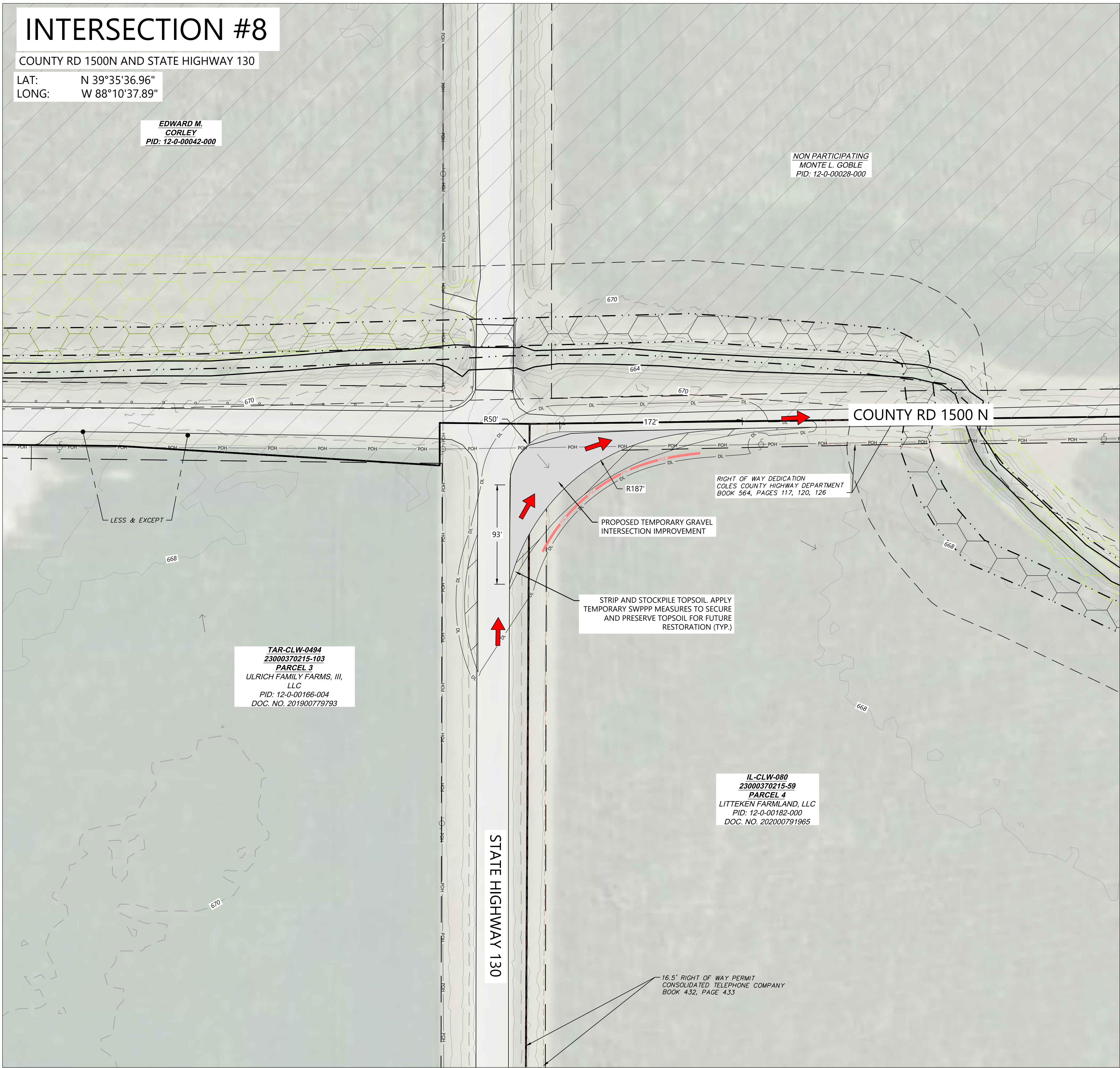
INTERSECTION #8

COUNTY RD 1500N AND STATE HIGHWAY 130

LAT: N 39°35'36.96"
LONG: W 88°10'37.89"

EDWARD M. CORLEY
PID: 12-0-00042-000

NON PARTICIPATING
MONTE L. GOBLE
PID: 12-0-00028-000



LEGEND:

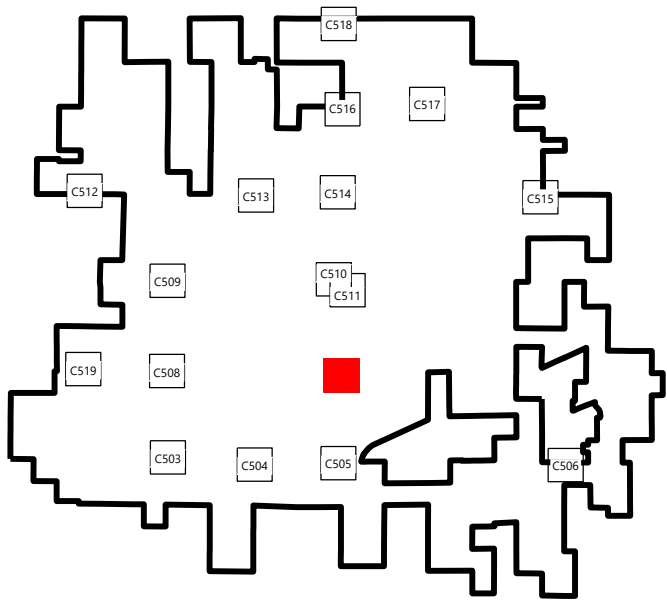
- PARCEL LINES
- DELIVERY ROUTE (INGRESS)
- TEMPORARY INTERSECTION IMPROVEMENT
- UNDERGROUND COLLECTION
- DISTURBANCE LIMITS
- GRADING LIMITS
- NON-PARTICIPATING LAND*
- RIGHT-OF-WAY LINES
- EASEMENT LINES
- EX. INDEX CONTOUR
- EX. INTERVAL CONTOUR
- PROPOSED INDEX CONTOUR
- PROPOSED INTERVAL CONTOUR
- EX. ROAD CENTERLINE
- EX. CULVERT
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- EX. STREAM CHANNEL
- PROPOSED TEMPORARY CULVERT
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KEYMAP:



Coles Wind Project

Coles County, Illinois

Public Improvement
Intersection - 8

ISSUED FOR CONSTRUCTION

DATE: 08/15/2025

SHEET: C507

REV: 3

INTERSECTION #9

COUNTY RD 1500N AND N COUNTY RD 1400E

LAT: N 39°35'38.20"
LONG: W 88°12'51.76"

IL-CLW-147
23000370215-108
JANET S. BRANNON, ET AL
PID: 12-0-00077-000
DOC. NO. 0701841

IL-CLW-165
23000370215-52
ORENSTEIN FARM INVEST LLC & FS ALMOND INVEST LLC
PID: 12-0-00058-000
DOC. NO. 202100798975

UNDERGROUND ELECTRICAL CROSSING. ENSURE ADEQUATE COVER

STRIP AND STOCKPILE TOPSOIL. APPLY TEMPORARY SWPPP MEASURES TO SECURE AND PRESERVE TOPSOIL FOR FUTURE RESTORATION (TYP.)

PROPOSED TEMPORARY GRAVEL INTERSECTION IMPROVEMENT

OVERHEAD POWER CROSSING

LESS & EXCEPT BOOK 612, PAGE 33

60' RIGHT-OF-WAY EASEMENT EMBARRAS AREA WATER DISTRICT DOCUMENT NO. 628881

IL-CLW-173
23000370215-04
PARCEL 4
YEARY PARTNERS, LTD
PID: 12-0-00103-000
DOC. NO. 0669694

IL-CLW-125
23000370215-61
GARY W. HOOD ET AL
PID: 12-0-00140-000 & 12-0-00144-000
DOC. NO. 0701841

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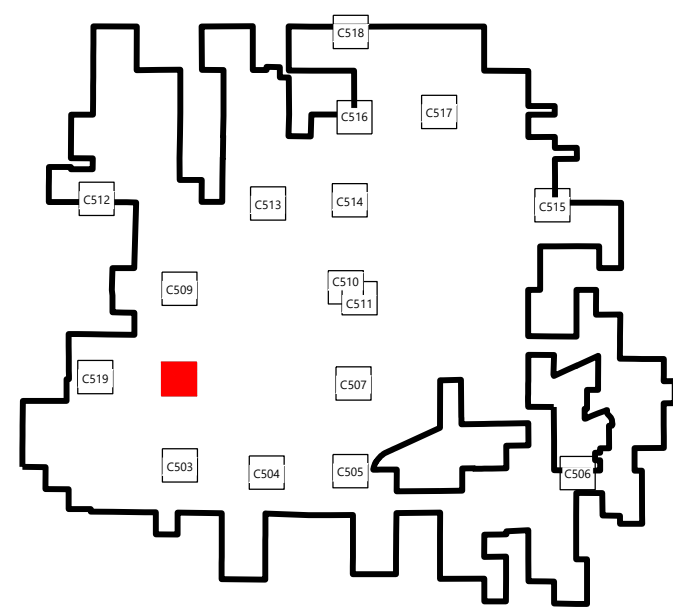
- PARCEL LINES
- DELIVERY ROUTE (INGRESS)
- TEMPORARY INTERSECTION IMPROVEMENT
- UNDERGROUND COLLECTION
- DISTURBANCE LIMITS
- GRADING LIMITS
- NON-PARTICIPATING LAND*
- RIGHT-OF-WAY LINES
- EASEMENT LINES
- EX. INDEX CONTOUR
- EX. INTERVAL CONTOUR
- PROPOSED INDEX CONTOUR
- PROPOSED INTERVAL CONTOUR
- EX. ROAD CENTERLINE
- EX. CULVERT
- EX. OVERHEAD POWER
- EX. STREAM CHANNEL
- PROPOSED TEMPORARY CULVERT
- EX. WETLAND
- EX. 50' WETLAND BUFFER
- EX. SANDPIPER HABITAT
- EX. BAT HABITAT
- PROPOSED BLADE SWING AREA
- PROPOSED FACILITIES
- PROPOSED TEMPORARY CULVERT
- PERIMETER SEDIMENT CONTROL
- FLOW ARROW

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 - CHANNEL STABILIZATION OF CONCENTRATED FLOW AREAS

KEYMAP:



Coles Wind Project

Coles County, Illinois

Public Improvement
Intersection - 9

ISSUED FOR CONSTRUCTION

DATE: 08/15/2025
REV: 3
SHEET: C508

Westwood

Phone (214) 473-4640 2901 Dallas Parkway, Suite 400
Toll Free (888) 937-5150 Plano, TX 75093
westwoodps.com

Westwood Professional Services, Inc.



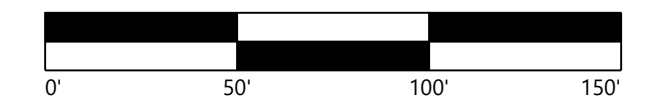
PREPARED FOR:



120 Garrett St Suite 700
Charlottesville, VA 22902

REVISIONS:

#	DATE	COMMENT	BY	CHK	APR
0	07/25/2025	ISSUED FOR CONSTRUCTION	SL	GN	PM
1	07/29/2025	UPDATED ACCESS ROAD T-39/45	SL	GN	PM
2	08/08/2025	UPDATED TURBINE T-39/47	DM	GN	PM
3	08/15/2025	DFP REVISION	GN	PM	GN



SHEET INTENTIONALLY LEFT BLANK



PREPARED FOR:



120 Garrett St Suite 700
Charlottesville, VA 22902

REVISIONS:

#	DATE	COMMENT	BY	CHK	APR
0	07/25/2025	ISSUED FOR CONSTRUCTION	SL	GN	PM
1	07/29/2025	UPDATED ACCESS ROAD T-39/45	SL	GN	PM
2	08/08/2025	UPDATED TURBINE T-39/47	DM	GN	PM
3	08/15/2025	DFP REVISION	GN	PM	GN



Coles Wind Project

Coles County, Illinois

Public Improvement
Intersection - 10

ISSUED FOR CONSTRUCTION

DATE: 08/15/2025
SHEET: C509
REV: 3

INTERSECTION #11

COUNTY RD 1600N AND STATE HIGHWAY 130

LAT: N 39°36'31.08"
LONG: W 88°10'37.71"

IL-CLW-080
23000370215-59
PARCEL 1
LITTEKEN FARMLAND LLC
CALLED 63 ACRES
PID: 12-0-00879-000
DOC. NO. 202000791969

TAR-CLW-107
23000370215-28
BASS VENTURES, LLC
PID: 12-0-00898-000
DOC. NO. 200900719425

RIGHT-OF-WAY EASEMENT
DEPARTMENT OF PUBLIC WORKS AND BUILDINGS
BOOK 225, PAGE 68

PROPOSED TEMPORARY GRAVEL
INTERSECTION IMPROVEMENT

STRIP AND STOCKPILE TOPSOIL. APPLY
TEMPORARY SWPPP MEASURES TO SECURE
AND PRESERVE TOPSOIL FOR FUTURE
RESTORATION (TYP.)

PROTECT EXISTING POWER POLE

OVERHEAD POWER CROSSING

NO TREE CLEARING
IN RIGHT OF WAY

NON PARTICIPATING
HOWREY PHILLIP MICHAEL
PID: 12-0-00018-002

EDWARD M. CORLEY
PID: 12-0-00042-000

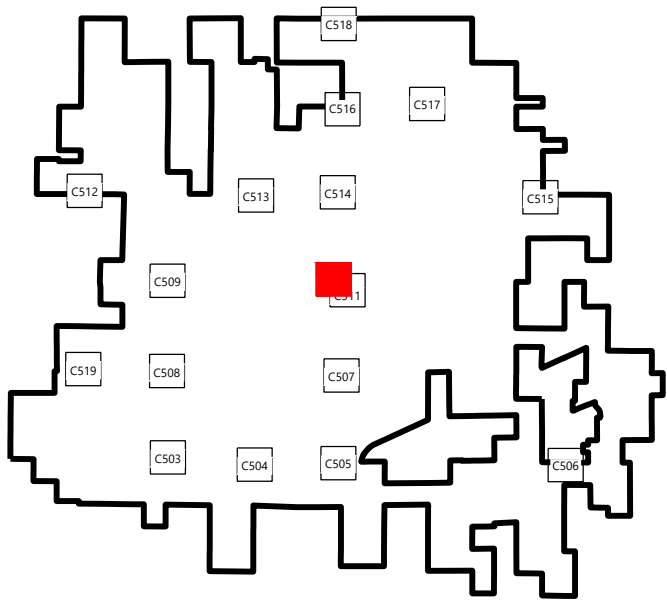
- LEGEND:
- DELIVERY ROUTE (INGRESS)
 - TEMPORARY INTERSECTION IMPROVEMENT
 - UNDERGROUND COLLECTION
 - DISTURBANCE LIMITS
 - GRADING LIMITS
 - NON-PARTICIPATING LAND*
 - RIGHT-OF-WAY LINES
 - EASEMENT LINES
 - EX. INDEX CONTOUR
 - EX. INTERVAL CONTOUR
 - PROPOSED INDEX CONTOUR
 - PROPOSED INTERVAL CONTOUR
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 - EX. CULVERT
 - EX. OVERHEAD POWER
 - EX. STREAM CHANNEL
 - PROPOSED TEMPORARY CULVERT
 - EX. WETLAND
 - EX. 50' WETLAND BUFFER
 - EX. SANDPIPER HABITAT
 - EX. BAT HABITAT
 - PROPOSED BLADE SWING AREA
 - PROPOSED FACILITIES
 - PROPOSED TEMPORARY CULVERT
 - PERIMETER SEDIMENT CONTROL
 - FLOW ARROW

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KEYMAP:



Coles Wind Project

Coles County, Illinois

Public Improvement
Intersection - 11

ISSUED FOR CONSTRUCTION

DATE: 08/15/2025

SHEET: C510

REV: 3

Westwood

Phone (214) 473-4640 2901 Dallas Parkway, Suite 400
Toll Free (888) 937-5150 Plano, TX 75093
westwoodps.com

Westwood Professional Services, Inc.



8/15/25
Paige Mortenson
CPE: 11130125

PREPARED FOR:



120 Garrett St Suite 700
Charlottesville, VA 22902

REVISIONS:

#	DATE	COMMENT	BY	CHK	APR
0	07/25/2025	ISSUED FOR CONSTRUCTION	SL	GN	PM
1	07/29/2025	UPDATED ACCESS ROAD T-39/45	SL	GN	PM
2	08/08/2025	UPDATED TURBINE T-39/47	DM	GN	PM
3	08/15/2025	DFP REVISION	GN	PM	GN

INTERSECTION #12

COUNTY RD 1600N AND STATE HIGHWAY 130

LAT: N 39°36'31.08"
LONG: W 88°10'37.71"

NON PARTICIPATING
HOWREY PHILLIP MICHAEL
PID: 12-0-00018-002

NO DISTURBANCE IN NON
PARTICIPATING LAND

STRIP AND STOCKPILE TOPSOIL. APPLY
TEMPORARY SWPPP MEASURES TO SECURE
AND PRESERVE TOPSOIL FOR FUTURE
RESTORATION (TYP.)

EDWARD M. CORLEY
PID: 12-0-00042-000

COUNTY RD 1600 N

PROPOSED TEMPORARY GRAVEL
INTERSECTION IMPROVEMENT

IL-CLW-018
23000370215-137
TRACT 1
RIVER TOP LLC
PID: 12-0-00018-001
DOC. NO. 202200799453

LEGEND:

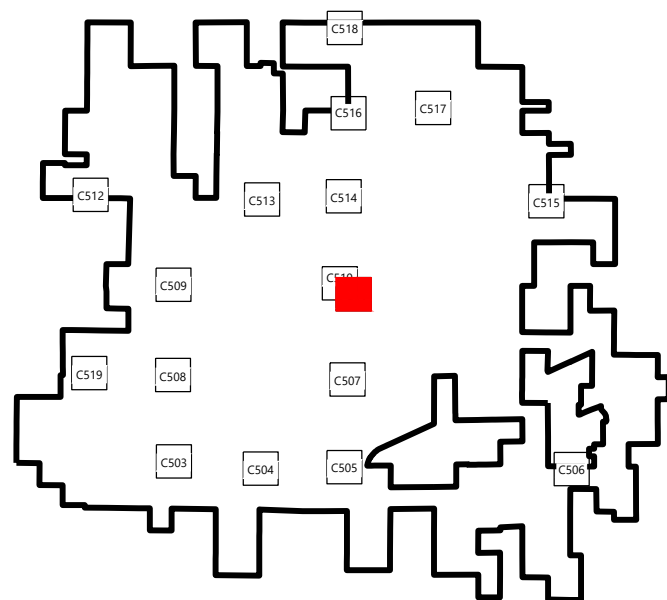
- PARCEL LINES
- DELIVERY ROUTE (INGRESS)
- TEMPORARY INTERSECTION IMPROVEMENT
- UNDERGROUND COLLECTION
- DISTURBANCE LIMITS
- GL
- GRADING LIMITS
- NON-PARTICIPATING LAND*
- RIGHT-OF-WAY LINES
- EASEMENT LINES
- EX. INDEX CONTOUR
- EX. INTERVAL CONTOUR
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- EX. OVERHEAD POWER
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KEYMAP:



INTERSECTION #13

E COUNTY RD 1700N AND COUNTY RD 1300E

LAT: N 39°37'23.78"
LONG: W 88°13'57.20"

DARRELL J. HONN
PID: 12-0-00814-000

EXTEND EXISTING CULVERT
APPROXIMATELY 270'. ENSURE
ADEQUATE COVER OVER THE PIPE
PER MANUFACTURER SPECIFICATIONS

STRIP AND STOCKPILE TOPSOIL. APPLY
TEMPORARY SWPPP MEASURES TO SECURE
AND PRESERVE TOPSOIL FOR FUTURE
RESTORATION (TYP.)

PROPOSED TEMPORARY GRAVEL
INTERSECTION IMPROVEMENT

R237'

56' APPARENT ROAD
RIGHT-OF-WAY

E COUNTY RD 1700 N

COUNTY RD 1300E

NON PARTICIPATING
YEARY PARTNERS LTD
PID:12-0-00851-000

IL-CLW-132
23000370215-62
PARCEL 6
IRV THOMPSON ENTERPRISES INC
PID: 12-0-00800-000
DOC. NO. 201800779578

60' RIGHT OF WAY EASEMENT
EMBARRAS AREA WATER DISTRICT
DOCUMENT NO. 200100632252

LEGEND:

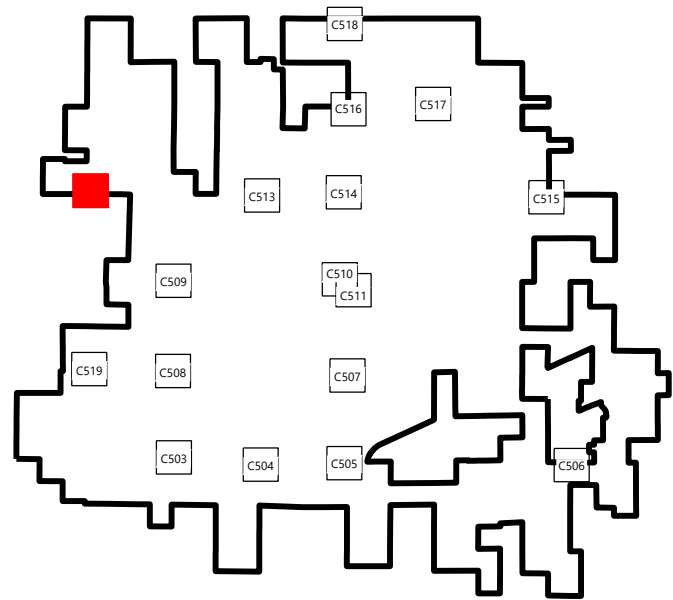
- DELIVERY ROUTE (INGRESS)
- TEMPORARY INTERSECTION IMPROVEMENT
- UNDERGROUND COLLECTION
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- NON-PARTICIPATING LAND*
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KEYMAP:



Westwood

Phone (214) 473-4640 2901 Dallas Parkway, Suite 400
Toll Free (888) 937-5150 Plano, TX 75093
westwoodps.com

Westwood Professional Services, Inc.



PAIGE R. MORTENSON
8/15/25
CIVIL
CIVIL: 11130125

PREPARED FOR:



120 Garrett St Suite 700
Charlottesville, VA 22902

REVISIONS:

#	DATE	COMMENT	BY	CHK	APR
0	07/25/2025	ISSUED FOR CONSTRUCTION	SL	GN	PM
1	07/29/2025	UPDATED ACCESS ROAD T-39/45	SL	GN	PM
2	08/08/2025	UPDATED TURBINE T-39/47	DM	GN	PM
3	08/15/2025	DFP REVISION	GN	PM	GN



Coles Wind Project

Coles County, Illinois

Public Improvement
Intersection - 13

ISSUED FOR CONSTRUCTION

DATE: 08/15/2025

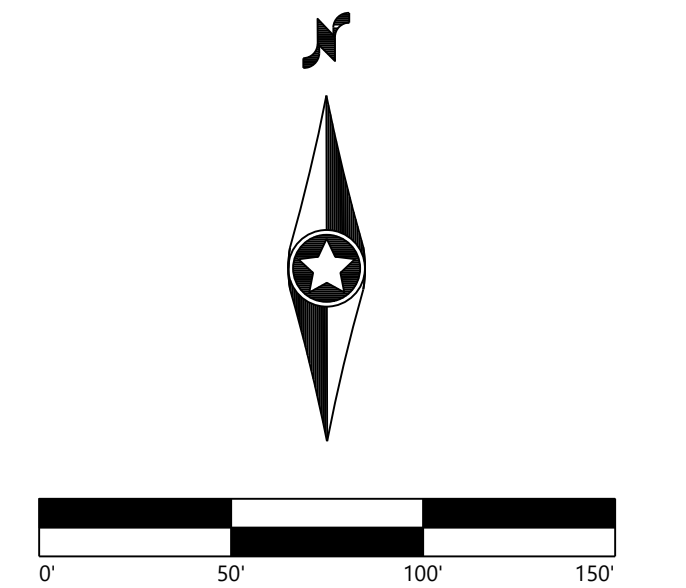
SHEET: C512

REV:

3



REVISIONS:						
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	07/25/2025	ISSUED FOR CONSTRUCTION	SL	GN	PM	
	07/29/2025	UPDATED ACCESS ROAD T-39/45	SL	GN	PM	
	08/08/2025	UPDATED TURBINE T-39/47	DM	GN	PM	
	08/15/2025	DFP REVISION	GN	PM	GN	



Coles Wind Project

Coles County, Illinois

Public Improvement Intersection - 14

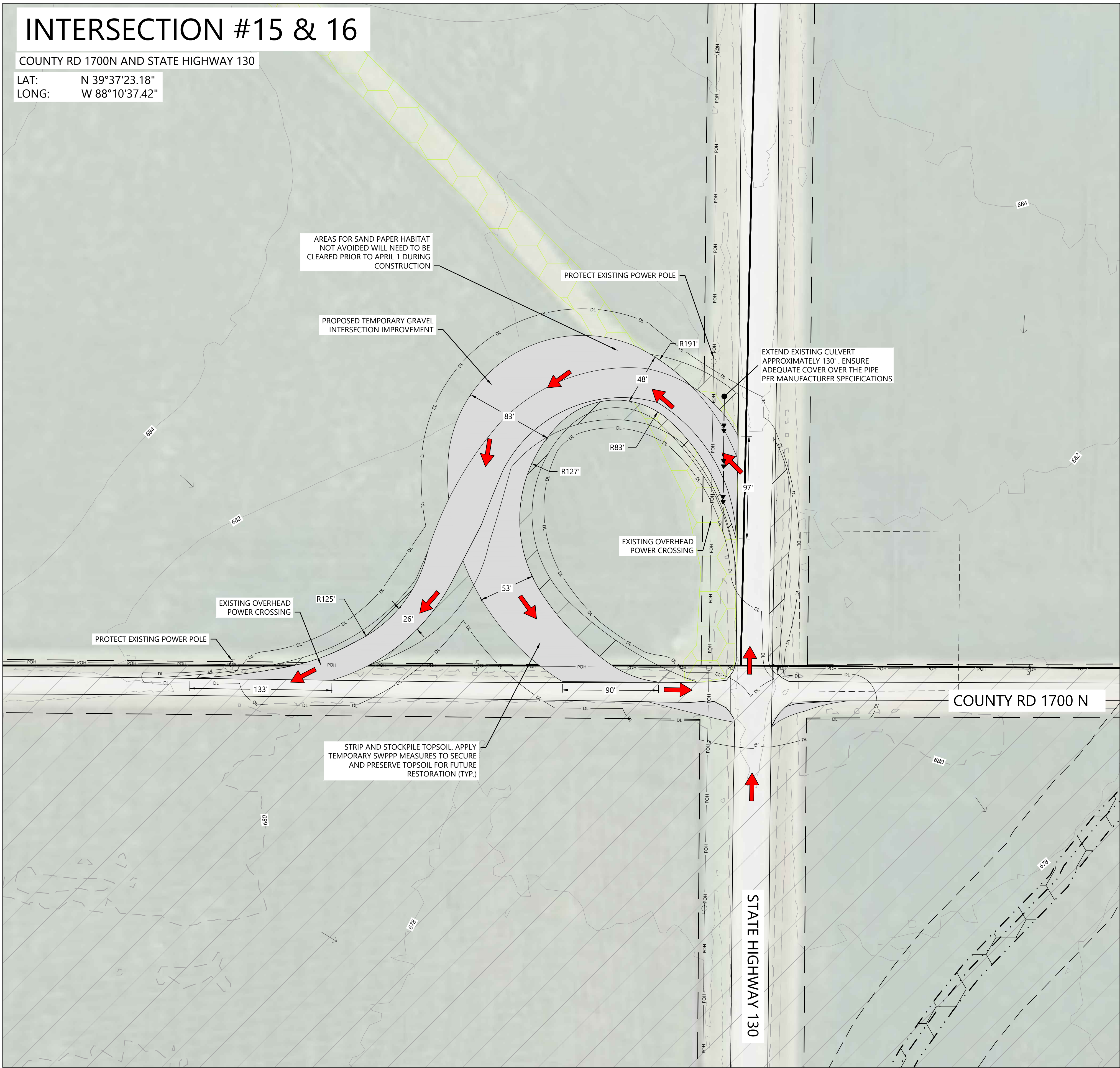
ISSUED FOR CONSTRUCTION

DATE: 08/15/2025
SHEET: C513 REV: 3

INTERSECTION #15 & 16

COUNTY RD 1700N AND STATE HIGHWAY 130

LAT: N 39°37'23.18"
LONG: W 88°10'37.42"



LEGEND:

- PARCEL LINES
- DELIVERY ROUTE (INGRESS)
- TEMPORARY INTERSECTION IMPROVEMENT
- UNDERGROUND COLLECTION
- DISTURBANCE LIMITS
- GRADING LIMITS
- NON-PARTICIPATING LAND*
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Phone (214) 473-4640 2901 Dallas Parkway, Suite 400
Toll Free (888) 937-5150 Plano, TX 75093
westwoodps.com

Westwood Professional Services, Inc.



8/15/25
Paige Mortenson
C.E.P.: 11/30/25

PREPARED FOR:



120 Garrett St Suite 700
Charlottesville, VA 22902

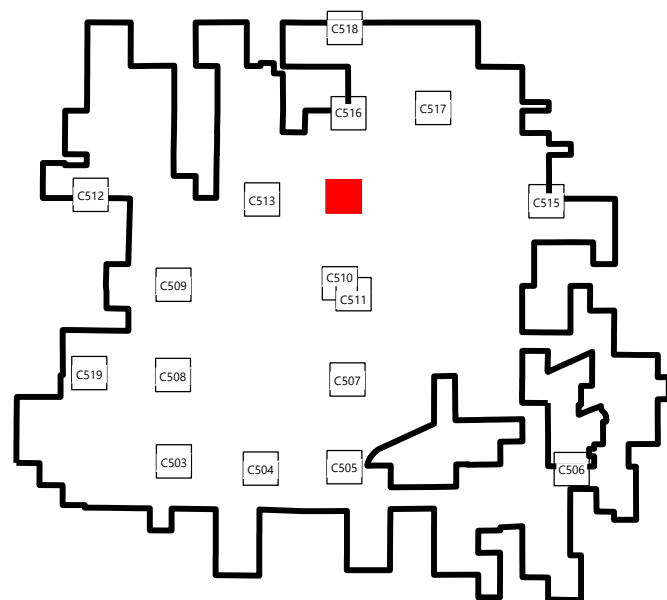
REVISIONS:

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0' 50' 100' 150'

KEYMAP:



Coles Wind Project

Coles County, Illinois

Public Improvement
Intersection - 15 & 16

ISSUED FOR CONSTRUCTION

DATE: 08/15/2025

SHEET: C514

REV:

3

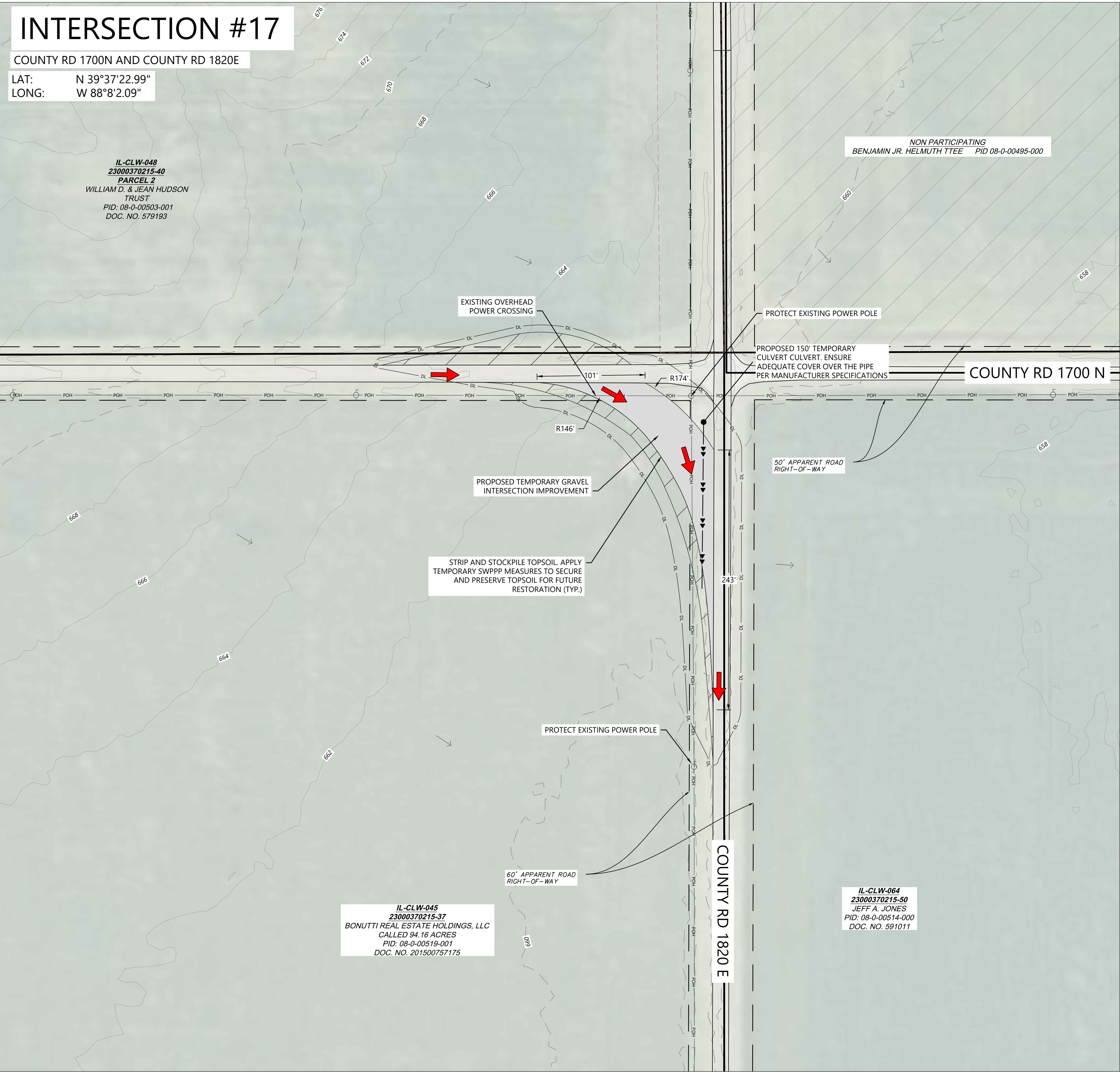
INTERSECTION #17

COUNTY RD 1700N AND COUNTY RD 1820E

LAT: N 39°37'22.99"
LONG: W 88°8'2.09"

IL-CLW-048
23000370215-40
PARCEL 2
WILLIAM D. & JEAN HUDSON
TRUST
PID: 08-0-00503-001
DOC. NO. 579193

NON PARTICIPATING
BENJAMIN JR. HELMUTH TTEE PID 08-0-00495-000



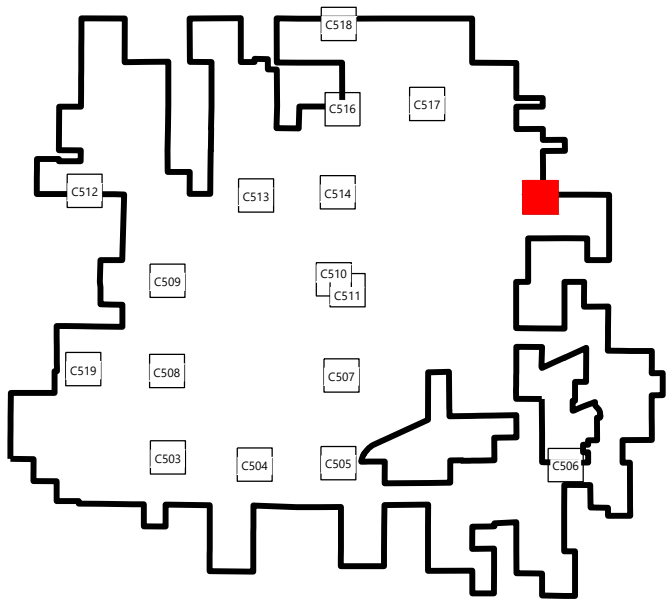
- LEGEND:
- DELIVERY ROUTE (INGRESS)
 - TEMPORARY INTERSECTION IMPROVEMENT
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Westwood

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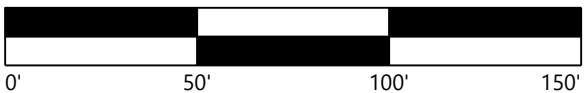


PREPARED FOR:



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REVISIONS:				
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Coles Wind Project

Coles County, Illinois

Public Improvement
Intersection - 17

ISSUED FOR CONSTRUCTION

DATE: 08/15/2025
SHEET: C515
REV: 3

COUNTY RD 1800N AND STATE HIGHWAY 130
LAT: N 39°38'15.51"
LONG: W 88°10'36.66"

LAT: N 39°38'15.51"
LONG: W 88°10'36.66"

IL-CLW-002
23000370215-02
LINDA J. GRISMER TRUST
PID: 12-0-00700-000, 12-0-00701-000
INST. NO. 666996

- WIND ENERGY LEASE AGREEMENT,
DOCUMENT NUMBER 20200079

PROTECT EXISTING POWER POLE

EXTEND EXISTING CULVERT
APPROXIMATELY 100'. ENSURE
ADEQUATE COVER OVER THE PIPE
PER MANUFACTURER SPECIFICATIONS

COUNTY ROAD 1800N

EXISTING OVERHEAD
POWER CROSSING —

EXISTING OVERHEAD
POWER CROSSING

IT IS ASSUMED O&M WILL BE
CONSTRUCTED POST-DELIVERY.
SHOULD SCHEDULE OR PHASING
CHANGE, CONTACT EOR

PROPOSED TEMPORARY GRAVEL INTERSECTION IMPROVEMENT

STRIP AND STOCKPILE TOPSOIL. APPLY
TEMPORARY SWPPP MEASURES TO SECURE
AND PRESERVE TOPSOIL FOR FUTURE
RESTORATION (TYP.)

PROPOSED O&M (9.15 AC)
(SEE SHEET C333)

DARE RALPH E.
MRS
PID: 12-0-00759-000

IL-CLW-013
23000370215-13
PATRICIA A. SAGE, TRUSTEE OF THE MOODY IRREVOCABLE TRUST
#8856
PID: 12-0-00745-002
DOC. NO. 201900782215

	PARCEL LINES
	DELIVERY ROUTE (INGRESS)
	TEMPORARY INTERSECTION IMPROVEMENT
	UNDERGROUND COLLECTION
	DISTURBANCE LIMITS
	GRADING LIMITS
	NON-PARTICIPATING LAND*
	RIGHT-OF-WAY LINES
	EASEMENT LINES
	EX. INDEX CONTOUR
	EX. INTERVAL CONTOUR
	PROPOSED INDEX CONTOUR
	PROPOSED INTERVAL CONTOUR
	EX. ROAD CENTERLINE
	EX. CULVERT
	EX. OVERHEAD POWER
	EX. STREAM CHANNEL
	PROPOSED TEMPORARY CULVERT
	EX. WETLAND
	EX. 50' WETLAND BUFFER
	EX. SANDPIPER HABITAT
	EX. BAT HABITAT
	PROPOSED BLADE SWING AREA
	PROPOSED FACILITIES
	PROPOSED TEMPORARY CULVERT
	PERIMETER SEDIMENT CONTROL
	FLOW ARROW

*CONTRACTOR AND OWNER TO CONFIRM PERMITTING REQUIREMENTS FOR
WORK WITHIN RIGHT-OF-WAY CONFLICTING WITH NON-PARTICIPATING LAND.
IT IS ASSUME ALL WORK WITHIN RIGHT OF WAY IS PERMITTED

1. REFER TO THE CONSTRUCTION STORMWATER PERMIT, THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP), AND SHEET C715 FOR ADDITIONAL INFORMATION.
2. BEST MANAGEMENT PRACTICES (BMPs) INCLUDING PERIMETER SEDIMENT CONTROLS (PSC) SHALL BE IMPLEMENTED TO PREVENT EROSION AND SEDIMENTATION DURING CONSTRUCTION. PHASING SHALL BE IMPLEMENTED AS SPECIFIED IN THE SWPPP AND WITHIN THE APPLICABLE TIMEFRAMES.
3. COMPETENT, TRAINED, AND COMPETENT PERSONNEL SHALL BE PRESENT ON-SITE TO MANAGE THE IMPLEMENTATION OF BMPs, INSPECTIONS, AND COMPLIANCE.
4. SELECT BMP LOCATIONS ARE SHOWN ON THE PLANS, FIELD ADJUSTMENTS, ALTERNATIVES, OR ADDITIONAL BMPs MAY BE IMPLEMENTED TO ALIGN WITH THE CONTRACTOR'S MEANS AND METHODS, FIELD CONDITIONS, AND ACTIVE CONSTRUCTION ACTIVITIES.
5. MULTIPLE APPLICATIONS MAY BE NECESSARY.
6. REFER TO SHEETS C707-C710 FOR TYPICAL BMP APPLICATIONS INCLUDING:
 - 5.1. PERIMETER SEDIMENT CONTROLS (PSC) ALONG CONSTRUCTION PERIMETER
 - 5.2. SOIL STABILIZATION OF EXPOSED AREAS
 - 5.3. CHANNEL STABILIZATION OF CONCENTRATED FLOW AREAS

Coles County, Illinois

ISSUED FOR CONSTRUCTION

DATE: 08/15/2025
SHEET: C516

LAT: N 39°38'15.92"
LONG : W 88°9'30.34"

IL-CLW-095
23000370215-71
BRAD & CASEY WALK,
LLC
PID: 12-0-00698-002
DOC. NO. 202000792083

46' APPARENT ROAD
RIGHT-OF-WAY

EXTEND EXISTING CULVERT
APPROXIMATELY 100'. ENSURE
ADEQUATE COVER OVER THE PIPE
PER MANUFACTURER SPECIFICATIONS

PROPOSED TEMPORARY GRAVEL INTERSECTION IMPROVEMENT

STRIP AND STOCKPILE TOPSOIL. APPLY
TEMPORARY SWPPP MEASURES TO SECURE
AND PRESERVE TOPSOIL FOR FUTURE
RESTORATION (TYP.)

COUNTY RD 1800N

- PROTECT EXISTING POWER POLE

NON PARTICIPATING
PATRICIA & BILL SARGENT
PID: 12-0-00726-002

IL-CLW-094
23000370215-70
PARCEL 2
WD WALK PROPERTIES LLC
PID's: 12-0-00749-000, 12-0-000750-000 & 12-0-00751-000
DOC. NO. 202000792980

	PARCEL LINES
	DELIVERY ROUTE (INGRESS)
	TEMPORARY INTERSECTION IMPROVEMENT
	UNDERGROUND COLLECTION
	DISTURBANCE LIMITS
	GRADING LIMITS
	NON-PARTICIPATING LAND*
	RIGHT-OF-WAY LINES
	EASEMENT LINES
	EX. INDEX CONTOUR
	EX. INTERVAL CONTOUR
	PROPOSED INDEX CONTOUR
	PROPOSED INTERVAL CONTOUR
	EX. ROAD CENTERLINE
	EX. CULVERT
	EX. OVERHEAD POWER
	EX. STREAM CHANNEL
	PROPOSED TEMPORARY CULVERT
	EX. WETLAND
	EX. 50' WETLAND BUFFER
	EX. SANDPIPER HABITAT
	EX. BAT HABITAT
	PROPOSED BLADE SWING AREA
	PROPOSED FACILITIES
	PROPOSED TEMPORARY CULVERT
	PERIMETER SEDIMENT CONTROL
	FLOW ARROW

*CONTRACTOR AND OWNER TO CONFIRM PERMITTING REQUIREMENTS FOR
WORK WITHIN RIGHT-OF-WAY CONFLICTING WITH NON-PARTICIPATING LAND.
IT IS ASSUME ALL WORK WITHIN RIGHT OF WAY IS PERMITTED

1. REFER TO THE CONSTRUCTION STORMWATER PERMIT, THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP), AND SHEET C715 FOR ADDITIONAL INFORMATION.
2. BEST MANAGEMENT PRACTICES (BMPs) INCLUDING PERIMETER SEDIMENT CONTROLS (PSCs), EROSION AND SEDIMENT CONTROL (ESC) MEASURES, AND CONSTRUCTION PHASING SHALL BE IMPLEMENTED AS SPECIFIED IN THE SWPPP AND WITHIN THE APPLICABLE TIMEFRAMES.
3. QUALIFIED, TRAINED, AND COMPETENT PERSONNEL SHALL BE PRESENT ON-SITE TO MANAGE THE IMPLEMENTATION OF BMPs, INSPECTIONS, AND COMPLIANCE.
4. SELECT BMP LOCATIONS ARE SHOWN ON THE PLANS. FIELD ADJUSTMENTS, ALTERNATIVES, OR ADDITIONAL BMPs MAY BE IMPLEMENTED TO ALIGN WITH THE CONTRACTOR'S MEANS AND METHODS, FIELD CONDITIONS, AND ACTIVE CONSTRUCTION ACTIVITIES. MULTIPLE APPLICATIONS MAY BE NECESSARY.
5. REFER TO SHEETS C707-C710 FOR TYPICAL BMP APPLICATIONS INCLUDING:
 - 5.1. PERIMETER SEDIMENT CONTROLS ALONG CONSTRUCTION PERIMETER
 - 5.2. SOIL STABILIZATION OF DISTURBED SOIL AREAS
 - 5.3. CHANNEL STABILIZATION OF CONCENTRATED FLOW AREAS

SHEET: C517 3

INTERSECTION #21

E COUNTY RD 1900N AND STATE HIGHWAY 130

LAT: N 39°39'7.73"
LONG: W 88°10'36.80"

NON PARTICIPATING
FORSYTHE FAMILY FARMS INC
PID: 03-15-14-300-002

NON PARTICIPATING
BLOOM MARGARET TRUST
PID: 03-15-15-300-005

EXTEND EXISTING CULVERT
APPROXIMATELY 130'. ENSURE
ADEQUATE COVER OVER THE PIPE
PER MANUFACTURER SPECIFICATIONS

E COUNTY ROAD 1900N

PROPOSED TEMPORARY GRAVEL
INTERSECTION IMPROVEMENT

STRIP AND STOCKPILE TOPSOIL. APPLY
TEMPORARY SWPPP MEASURES TO SECURE
AND PRESERVE TOPSOIL FOR FUTURE
RESTORATION (TYP.)

RIGHT OF WAY EASEMENT
CENTRAL RAIL ROAD COMPANY
BOOK 11, PAGE 107

STATE HIGHWAY 130

IL-CLW-062
23000370215-49
PARCEL 2
MARY STUART WELCH, ET AL. PID: 12-0-00685-000
DOC. NO. 200000622670

IL-CLW-062
23000370215-49
PARCEL 1
MARY STUART WELCH, ET AL. PID: 12-0-00699-000
DOC. NO. 200000622670

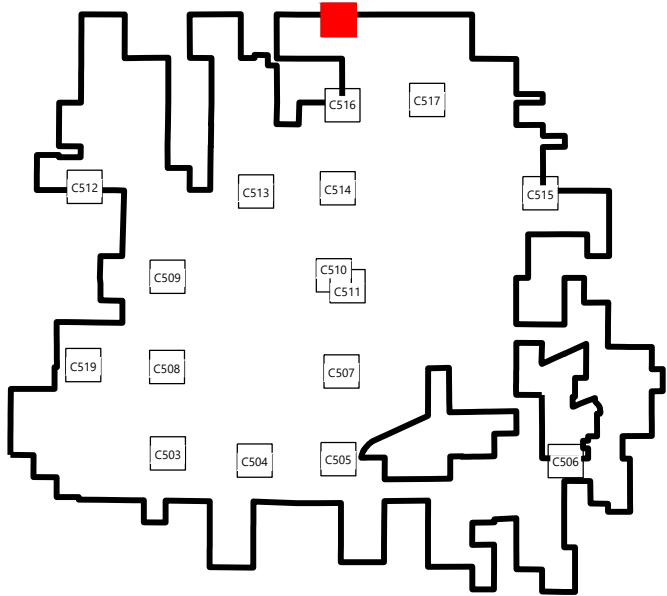
- LEGEND:
- DELIVERY ROUTE (INGRESS)
 - TEMPORARY INTERSECTION IMPROVEMENT
 - UNDERGROUND COLLECTION
 - DISTURBANCE LIMITS
 - GRADING LIMITS
 - NON-PARTICIPATING LAND*
 - RIGHT-OF-WAY LINES
 - EASEMENT LINES
 - EX. INDEX CONTOUR
 - EX. INTERVAL CONTOUR
 - PROPOSED INDEX CONTOUR
 - PROPOSED INTERVAL CONTOUR
 - EX. ROAD CENTERLINE
 - EX. CULVERT
 - EX. OVERHEAD POWER
 - EX. STREAM CHANNEL
 - PROPOSED TEMPORARY CULVERT
 - EX. WETLAND
 - EX. 50' WETLAND BUFFER
 - EX. SANDPIPER HABITAT
 - EX. BAT HABITAT
 - PROPOSED BLADE SWING AREA
 - PROPOSED FACILITIES
 - PROPOSED TEMPORARY CULVERT
 - PERIMETER SEDIMENT CONTROL
 - FLOW ARROW

*CONTRACTOR AND OWNER TO CONFIRM PERMITTING REQUIREMENTS FOR
WORK WITHIN RIGHT-OF-WAY CONFLICTING WITH NON-PARTICIPATING LAND.
IT IS ASSUME ALL WORK WITHIN RIGHT OF WAY IS PERMITTED

EROSION AND SEDIMENT CONTROL NOTES:

- REFER TO THE CONSTRUCTION STORMWATER PERMIT, THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP), AND SHEET C715 FOR ADDITIONAL INFORMATION.
- BEST MANAGEMENT PRACTICES (BMPs) INCLUDING PERIMETER SEDIMENT CONTROLS (PSC), TEMPORARY AND PERMANENT STABILIZATION OF DISTURBED SOILS, AND CONSTRUCTION PHASING SHALL BE IMPLEMENTED AS SPECIFIED IN THE SWPPP AND WITHIN THE APPLICABLE TIMEFRAMES.
- QUALIFIED, TRAINED, AND COMPETENT PERSONNEL SHALL BE PRESENT ON-SITE TO MANAGE THE IMPLEMENTATION OF BMPs, INSPECTIONS, AND COMPLIANCE.
- SELECT BMP LOCATIONS ARE SHOWN ON THE PLANS. FIELD ADJUSTMENTS, ALTERNATIVES, OR ADDITIONAL BMPs MAY BE IMPLEMENTED TO ALIGN WITH THE CONTRACTOR'S MEANS AND METHODS, FIELD CONDITIONS, INSPECTIONS, AND ACTIVE CONSTRUCTION ACTIVITIES. MULTIPLE APPLICATIONS MAY BE NECESSARY.
- REFER TO SHEETS C707-C710 FOR TYPICAL BMP APPLICATIONS INCLUDING:
 - PERIMETER SEDIMENT CONTROLS (PSC) ALONG CONSTRUCTION PERIMETER
 - SOIL STABILIZATION OF DISTURBED SOIL AREAS
 - CHANNEL STABILIZATION OF CONCENTRATED FLOW AREAS

KEYMAP:



Coles Wind Project
Coles County, Illinois

Public Improvement
Intersection - 21

ISSUED FOR CONSTRUCTION

DATE: 08/15/2025
REV: 3
SHEET: C518

Westwood

Phone (214) 473-4640 2901 Dallas Parkway, Suite 400
Toll Free (888) 937-5150 Plano, TX 75093
westwoodps.com

Westwood Professional Services, Inc.

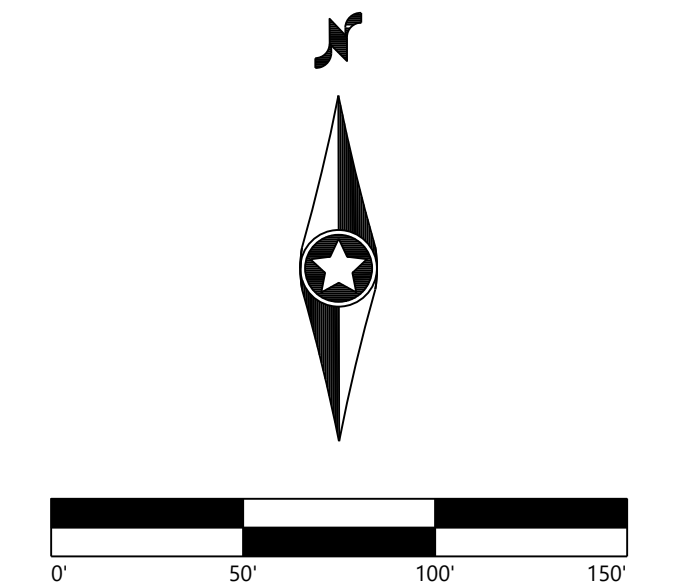
PAIGE R. MORTENSON
LICENSED PROFESSIONAL ENGINEER
OF ILLINOIS
062-077157
8/15/25
Paige Mortenson
C.E.P.: 11130125

PREPARED FOR:

APEX
CLEAN ENERGY

120 Garrett St Suite 700
Charlottesville, VA 22902

REVISIONS:				
#	DATE	COMMENT	BY	CHK APR
0	07/25/2025	ISSUED FOR CONSTRUCTION	SL	GN PM
1	07/29/2025	UPDATED ACCESS ROAD T-39/45	SL	GN PM
2	08/08/2025	UPDATED TURBINE T-39/47	DM	GN PM
3	08/15/2025	DFP REVISION	GN	PM GN



INTERSECTION #22

COUNTY RD 1300E AND COUNTY RD 1500N

LAT: N 39°35'38.94"
LONG: W 88°13'58.70"

IL-CLW-150
23000370215-99
PARCEL 3
JUNE B. STARK TRUST
PID: 12-0-00076-000
DOC. NO. 201900783068

WINOLA & MARK GRANT
PID: 12-0-00991-000

EXISTING OVERHEAD
POWER CROSSING

PROTECT EXISTING POWER POLE

COUNTY RD 1500 N

WINOLA & MARK GRANT
PID: 12-0-00104-000

COUNTY RD 1300E

STRIP AND STOCKPILE TOPSOIL. APPLY
TEMPORARY SWPPP MEASURES TO SECURE
AND PRESERVE TOPSOIL FOR FUTURE
RESTORATION (TYP.)

NON PARTICIPATING
BUMPUS FARMS INC
PID: 12-0-00127-000

PROPOSED TEMPORARY GRAVEL
INTERSECTION IMPROVEMENT

60' APPARENT ROAD
RIGHT-OF-WAY

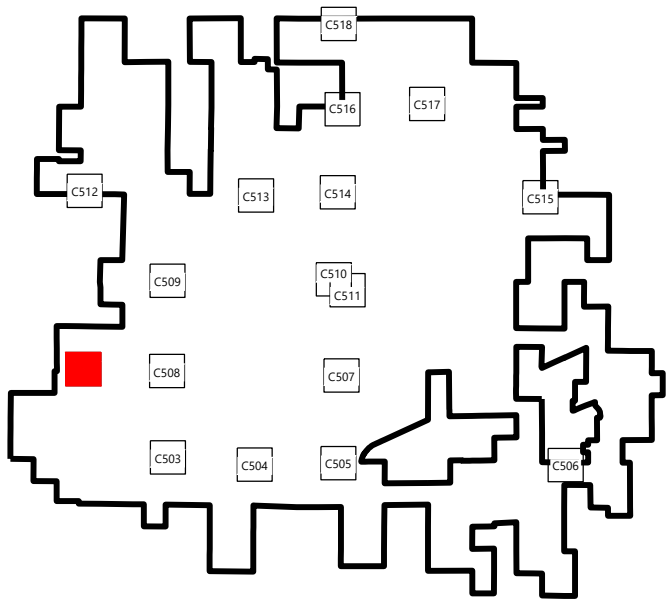
- LEGEND:
- DELIVERY ROUTE (INGRESS)
 - TEMPORARY INTERSECTION IMPROVEMENT
 - UNDERGROUND COLLECTION
 - DISTURBANCE LIMITS
 - GRADING LIMITS
 - NON-PARTICIPATING LAND*
 - RIGHT-OF-WAY LINES
 - EASEMENT LINES
 - EX. INDEX CONTOUR
 - EX. INTERVAL CONTOUR
 - PROPOSED INDEX CONTOUR
 - PROPOSED INTERVAL CONTOUR
 - EX. ROAD CENTERLINE
 - EX. CULVERT
 - EX. OVERHEAD POWER
 - EX. STREAM CHANNEL
 - PROPOSED TEMPORARY CULVERT
 - EX. WETLAND
 - EX. 50' WETLAND BUFFER
 - EX. SANDPIPER HABITAT
 - EX. BAT HABITAT
 - PROPOSED BLADE SWING AREA
 - PROPOSED FACILITIES
 - PROPOSED TEMPORARY CULVERT
 - PERIMETER SEDIMENT CONTROL
 - FLOW ARROW

*CONTRACTOR AND OWNER TO CONFIRM PERMITTING REQUIREMENTS FOR
WORK WITHIN RIGHT-OF-WAY CONFLICTING WITH NON-PARTICIPATING LAND.
IT IS ASSUME ALL WORK WITHIN RIGHT OF WAY IS PERMITTED

EROSION AND SEDIMENT CONTROL NOTES:

- REFER TO THE CONSTRUCTION STORMWATER PERMIT, THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP), AND SHEET C715 FOR ADDITIONAL INFORMATION.
- BEST MANAGEMENT PRACTICES (BMPs) INCLUDING PERIMETER SEDIMENT CONTROLS (PSC), TEMPORARY AND PERMANENT STABILIZATION OF DISTURBED SOILS, AND CONSTRUCTION PHASING SHALL BE IMPLEMENTED AS SPECIFIED IN THE SWPPP AND WITHIN THE APPLICABLE TIMEFRAMES.
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- REFER TO SHEETS C707-C710 FOR TYPICAL BMP APPLICATIONS INCLUDING:
 - PERIMETER SEDIMENT CONTROLS (PSC) ALONG CONSTRUCTION PERIMETER
 - SOIL STABILIZATION OF DISTURBED SOIL AREAS
 - CHANNEL STABILIZATION OF CONCENTRATED FLOW AREAS

KEYMAP:



Coles Wind Project

Coles County, Illinois

Public Improvement
Intersection - 22

ISSUED FOR CONSTRUCTION

DATE: 08/15/2025

SHEET: C519

REV:

3

Westwood

Phone (214) 473-4640 2901 Dallas Parkway, Suite 400
Toll Free (888) 937-5150 Plano, TX 75093
westwoodps.com

Westwood Professional Services, Inc.



PAIGE R. MORTENSON
062-077157
8/15/25
Paige Mortenson
C.E.P.: 11/30/25

PREPARED FOR:



120 Garrett St Suite 700
Charlottesville, VA 22902

REVISIONS:

#	DATE	COMMENT	BY	CHK	APR
0	07/25/2025	ISSUED FOR CONSTRUCTION	SL	GN	PM
1	07/29/2025	UPDATED ACCESS ROAD T-39/45	SL	GN	PM
2	08/08/2025	UPDATED TURBINE T-39/47	DM	GN	PM
3	08/15/2025	DFP REVISION	GN	PM	GN



0' 50' 100' 150'



8/15/25
Paige Mortenson
C#P: 11130125

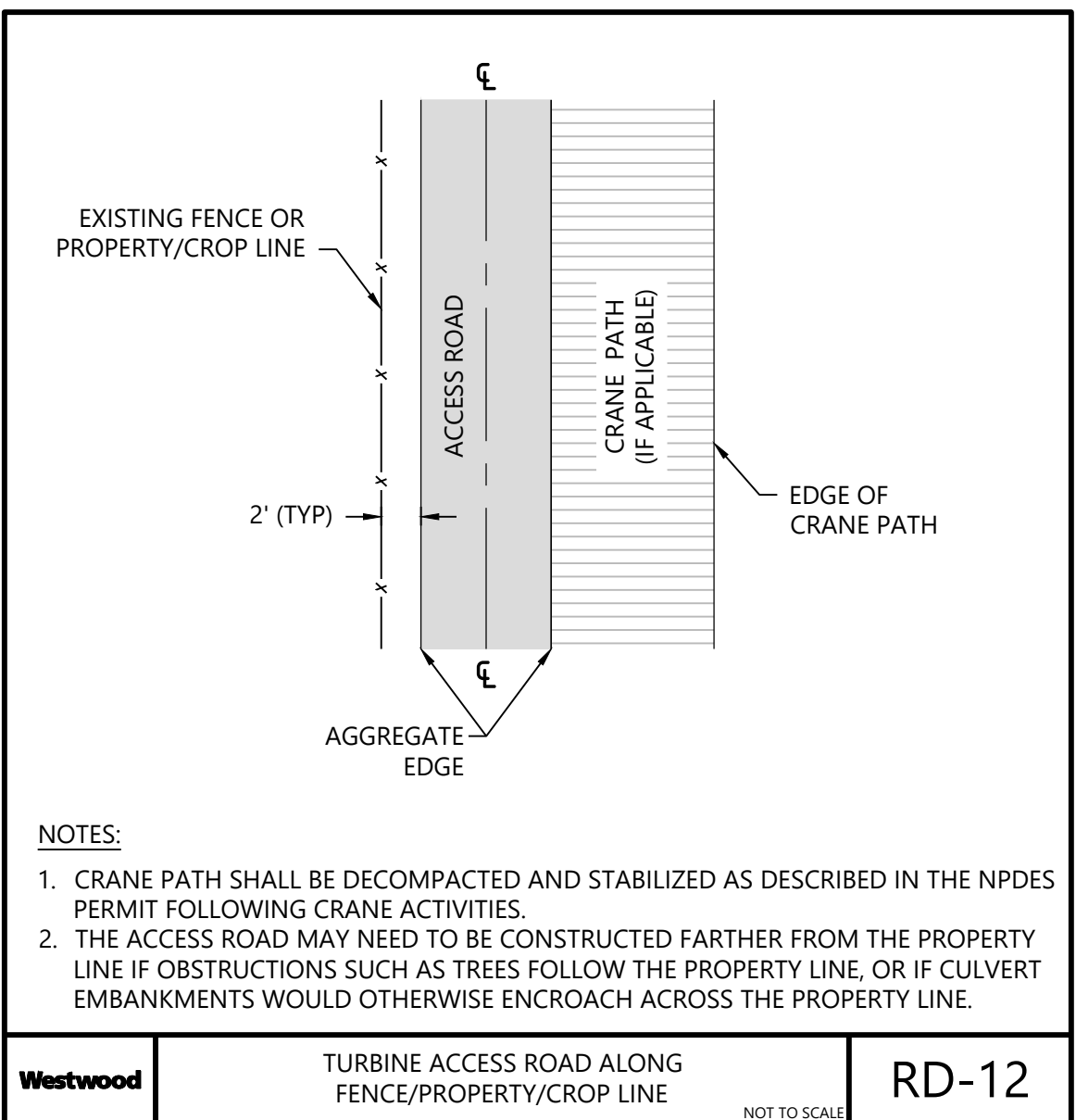
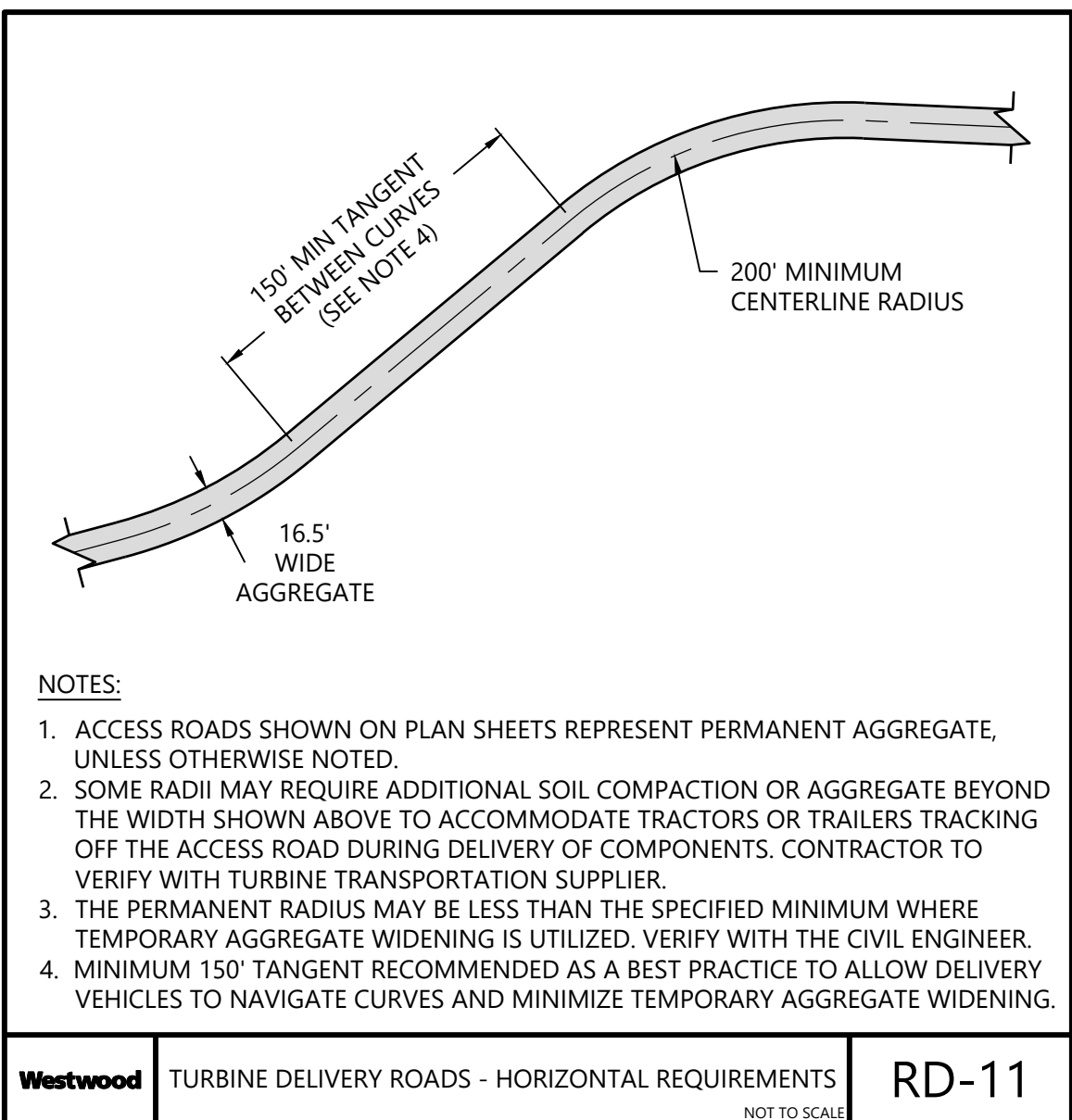
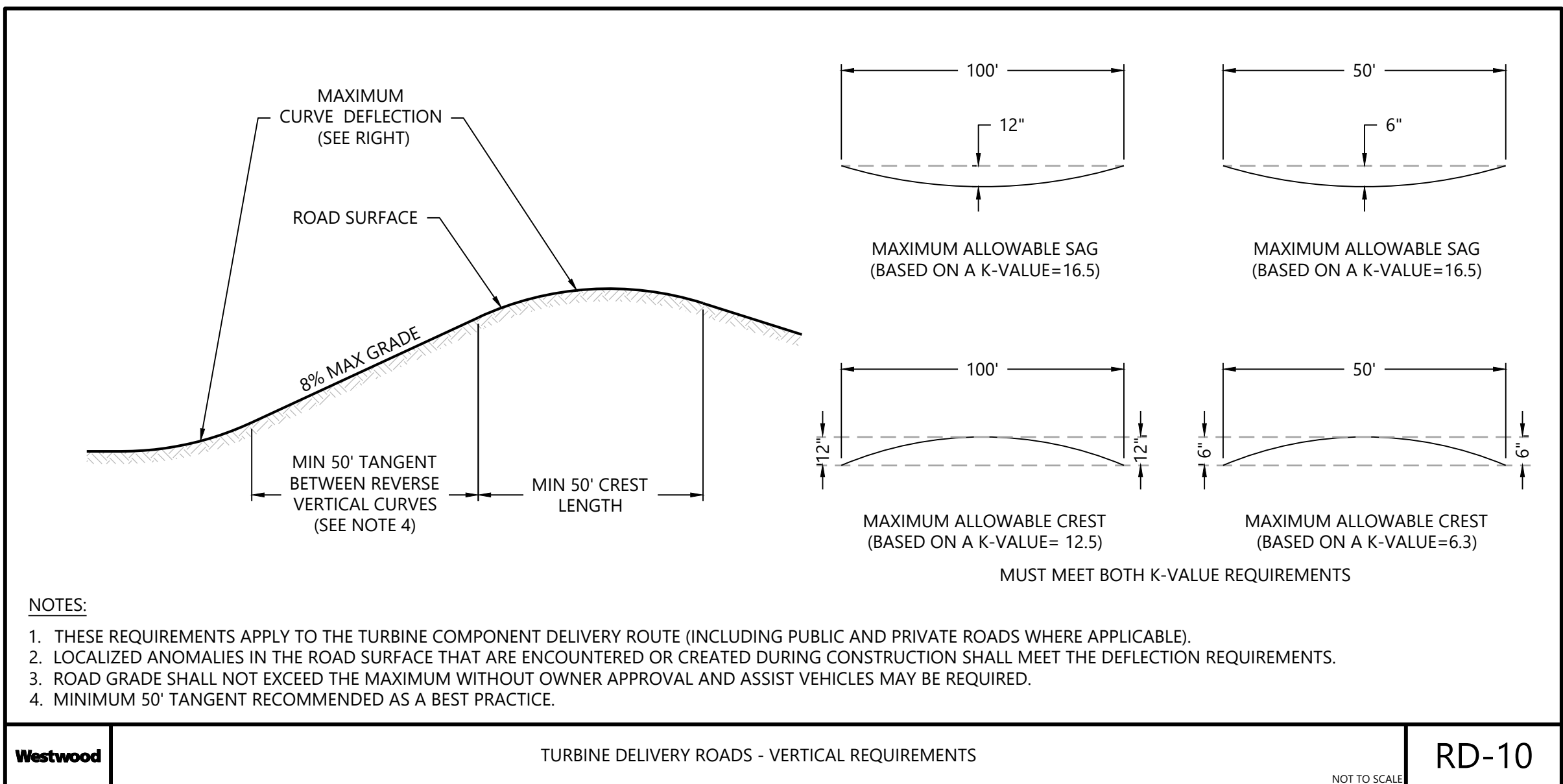
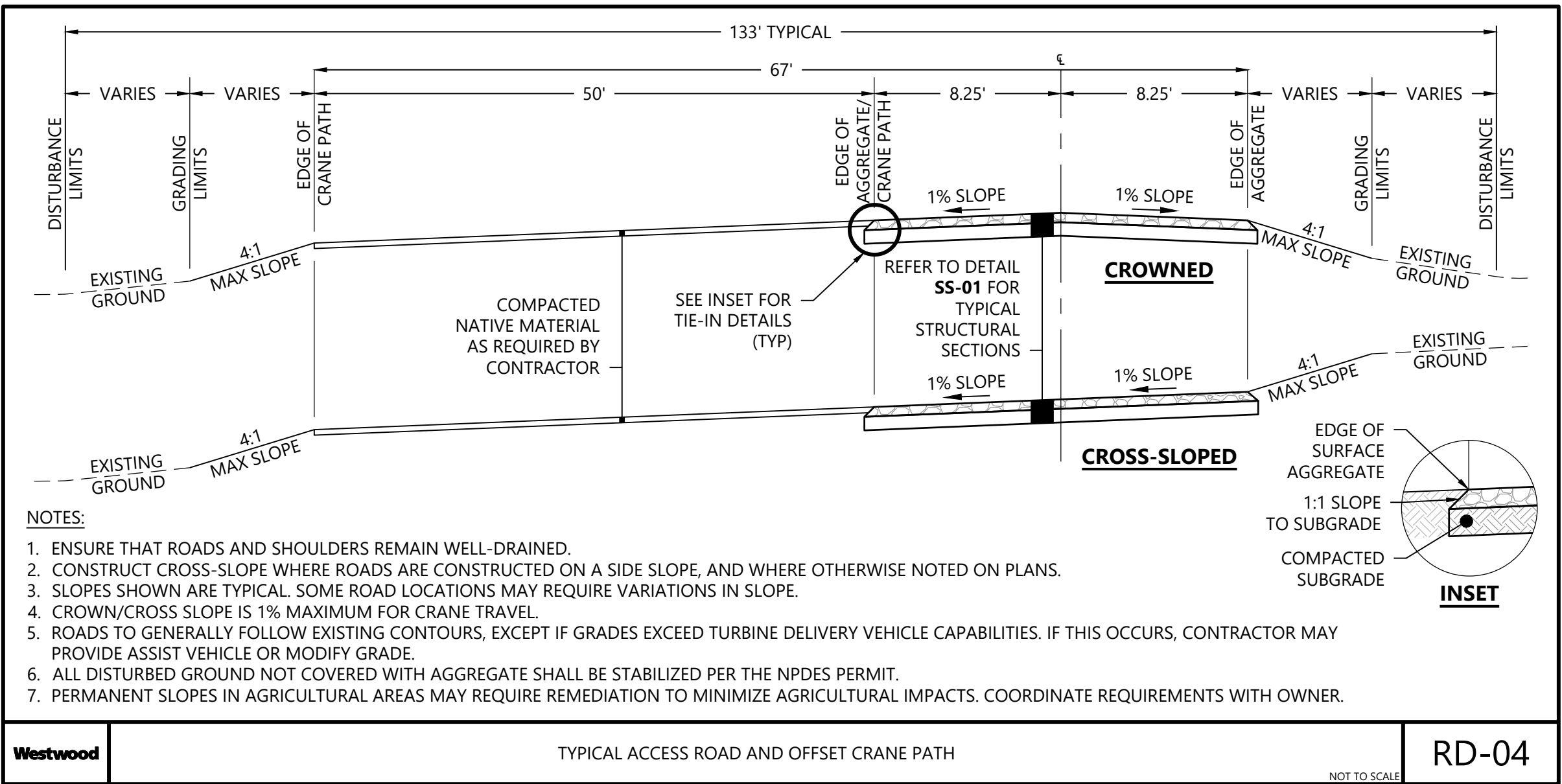
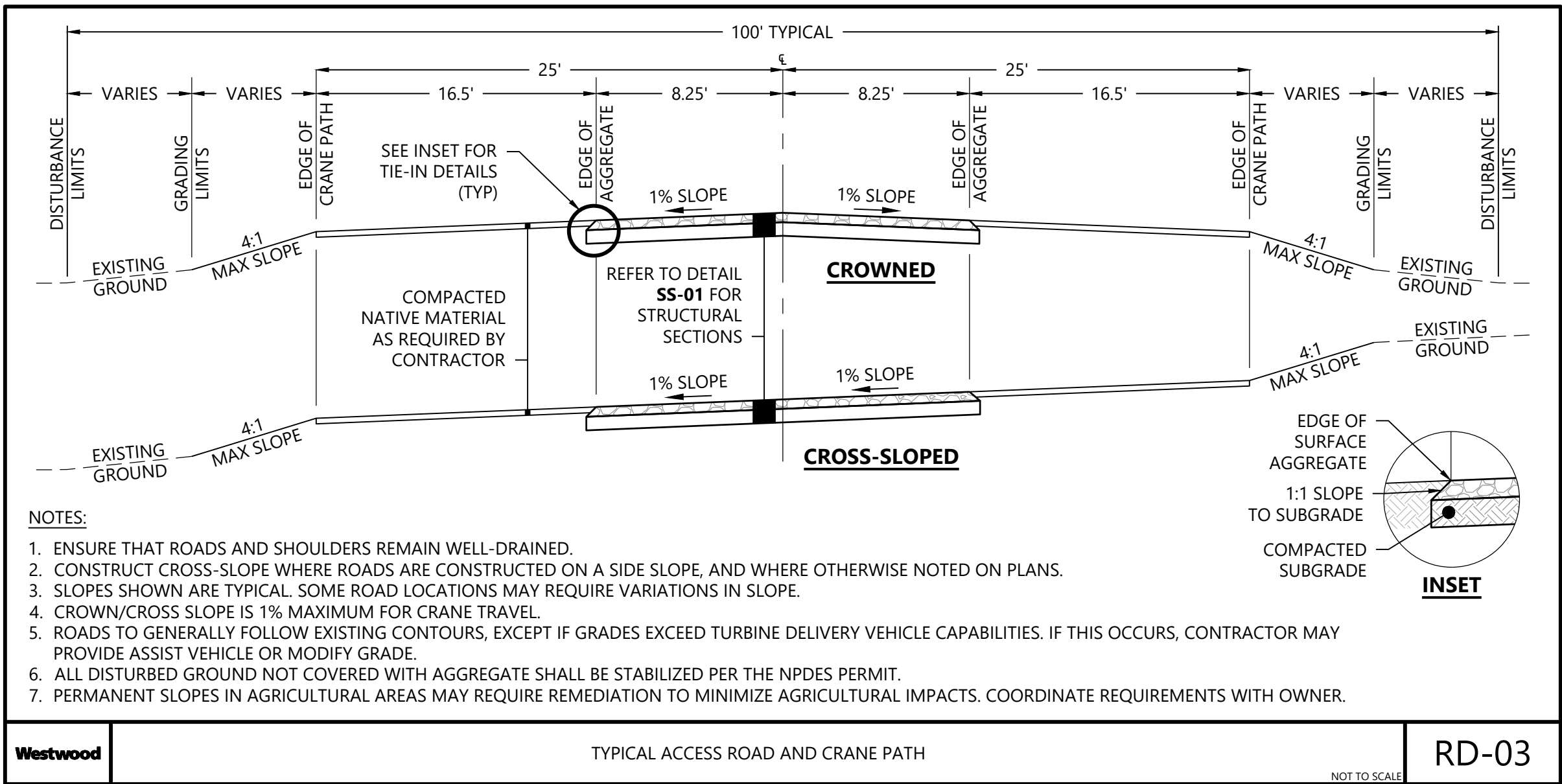
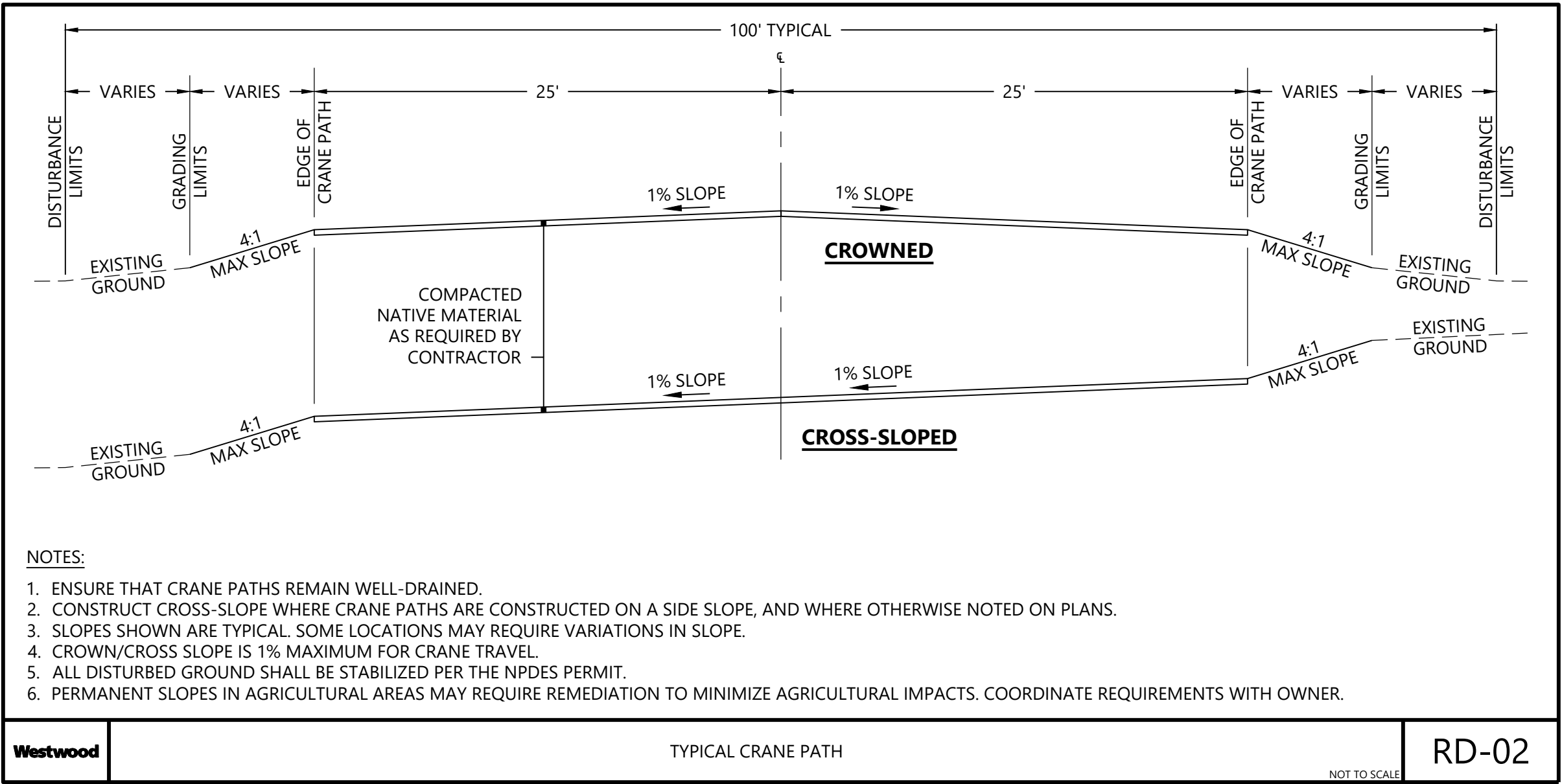
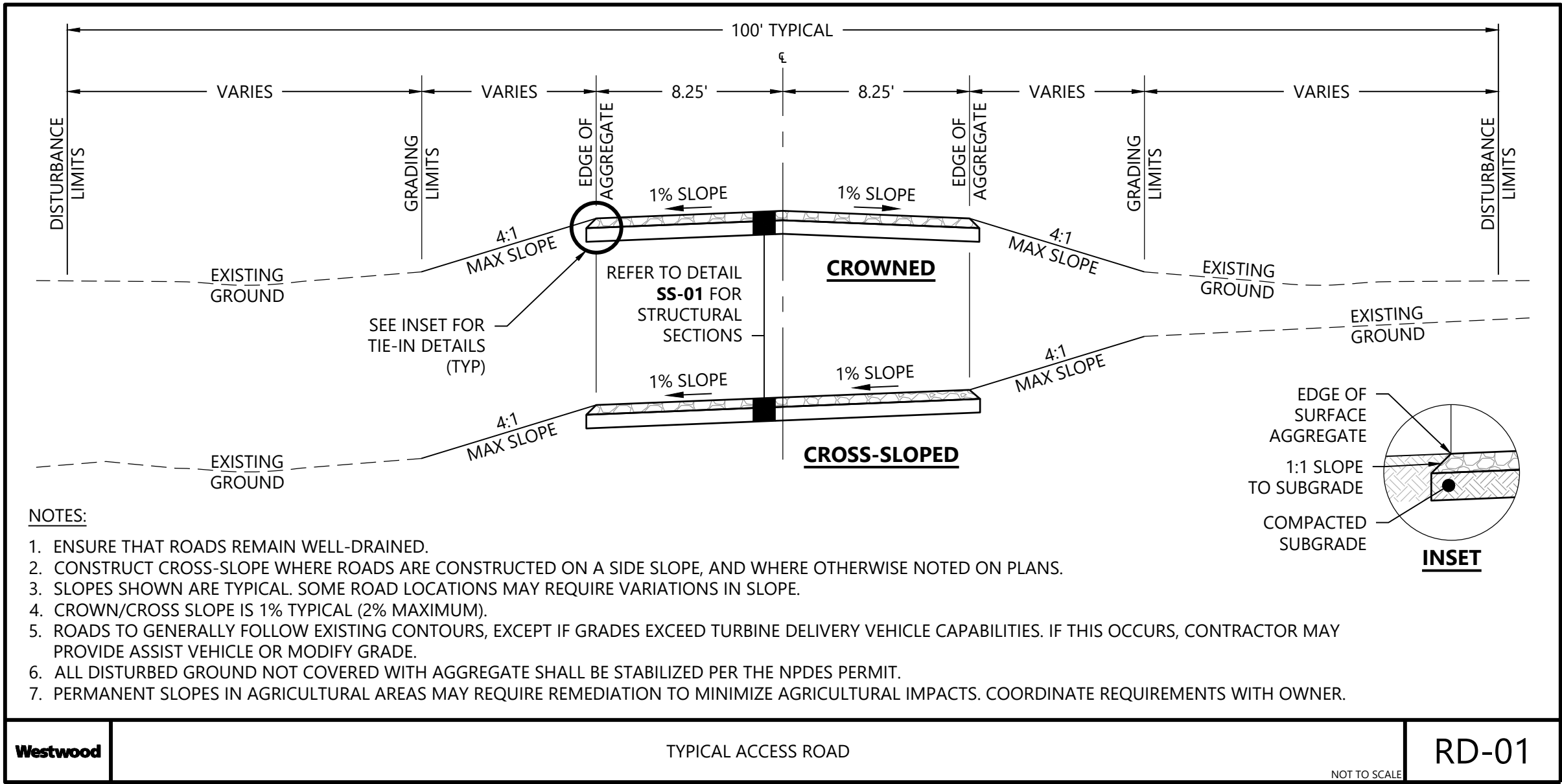
PREPARED FOR:



120 Garrett St Suite 700
Charlottesville, VA 22902

REVISIONS:

#	DATE	COMMENT	BY	CHK	APP
0	07/25/2025	ISSUED FOR CONSTRUCTION	SL	GN	PM
1	07/29/2025	UPDATED ACCESS ROAD T-39/45	SL	GN	PM
2	08/08/2025	UPDATED TURBINE T-39/47	DM	GN	PM
3	08/15/2025	DFP REVISION	GN	PM	GN



Coles Wind Project

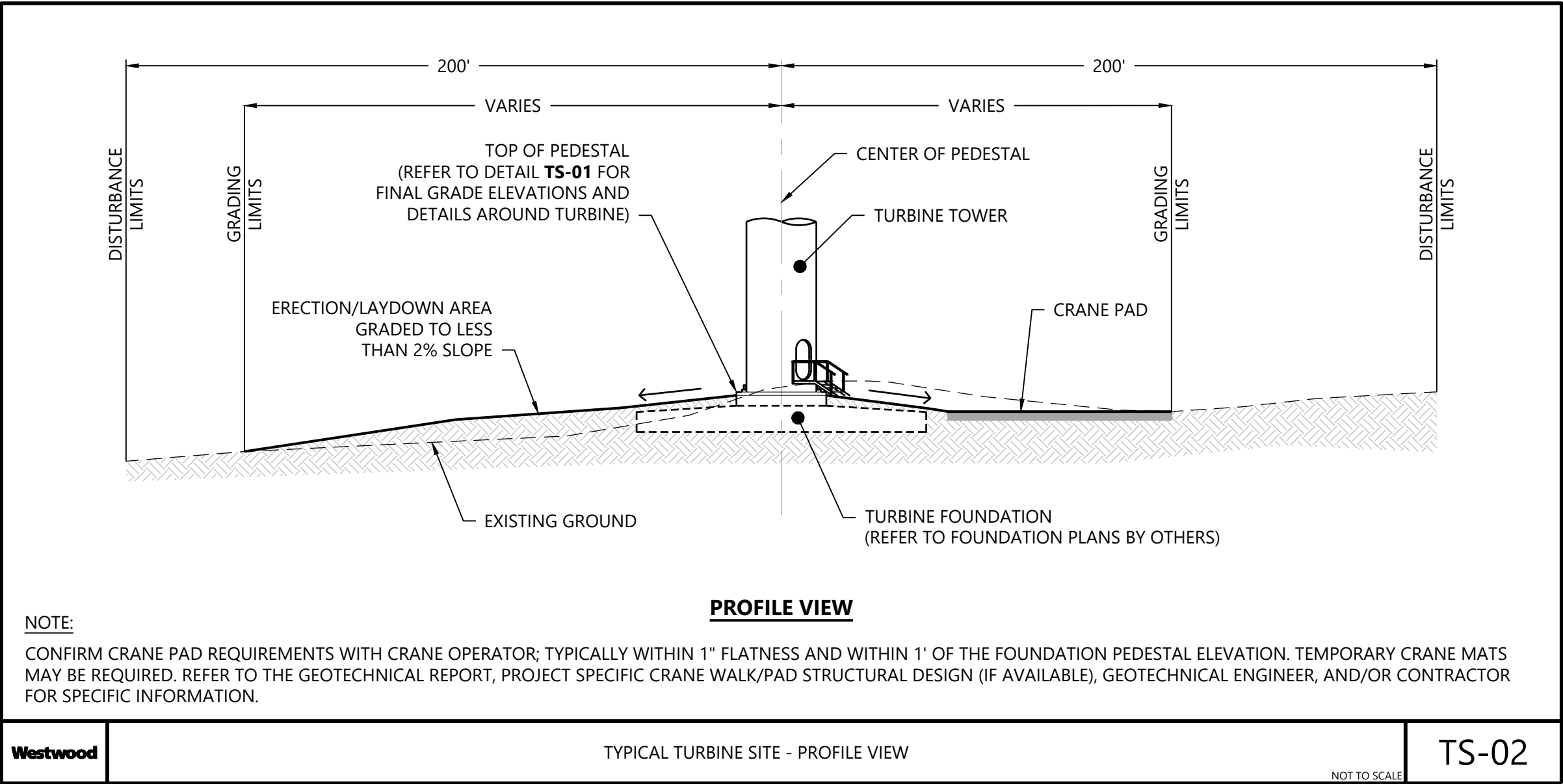
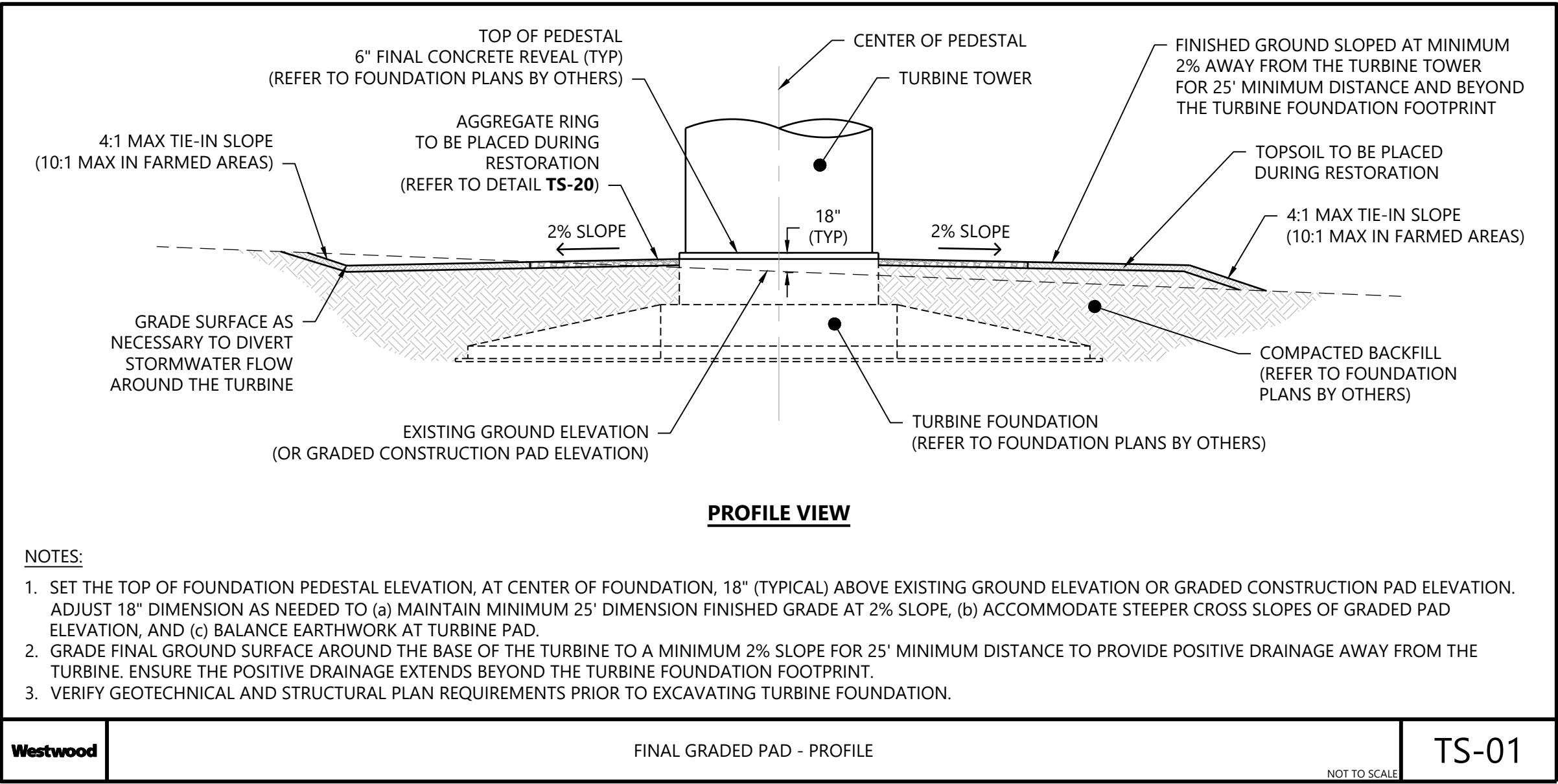
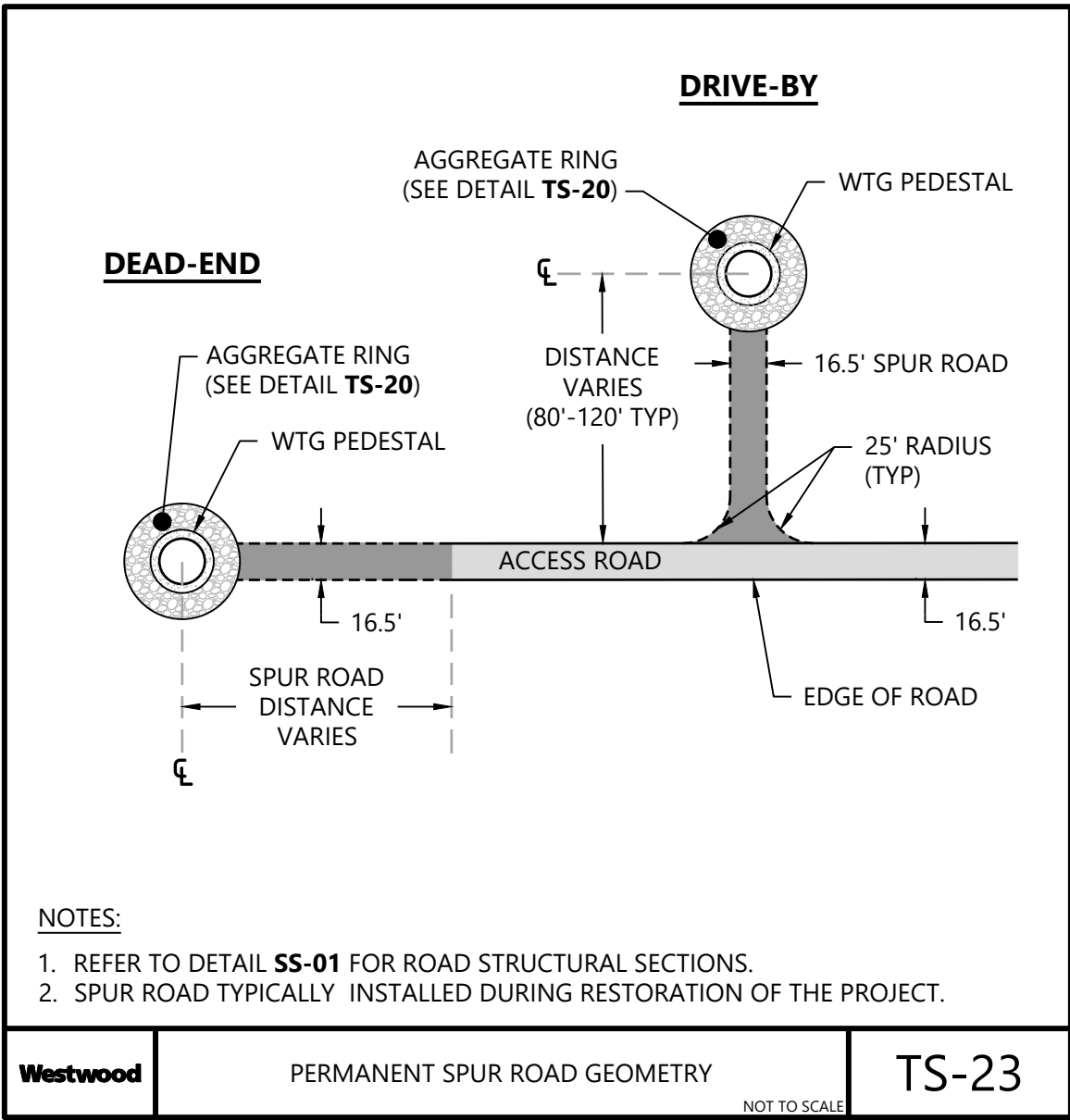
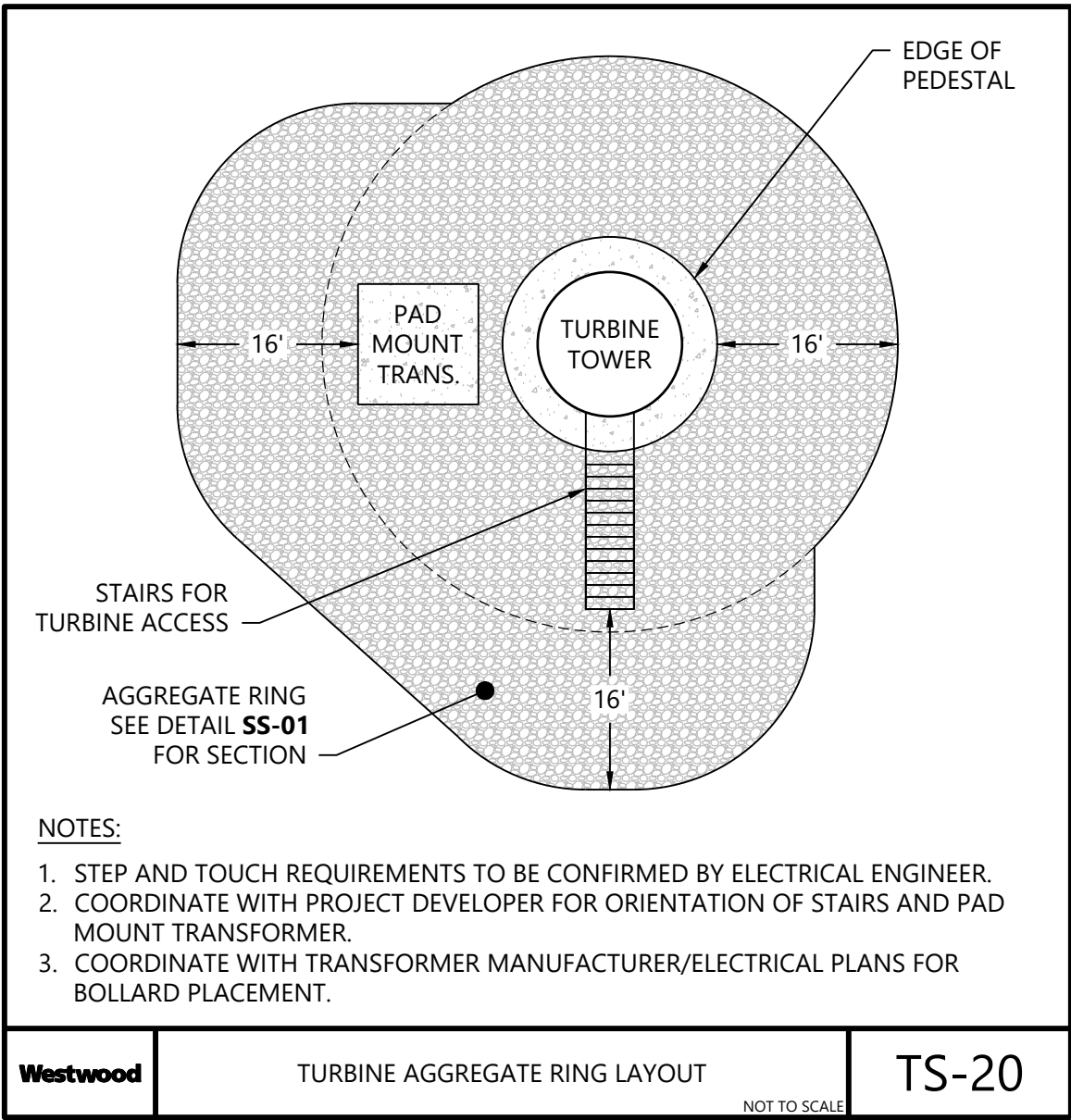
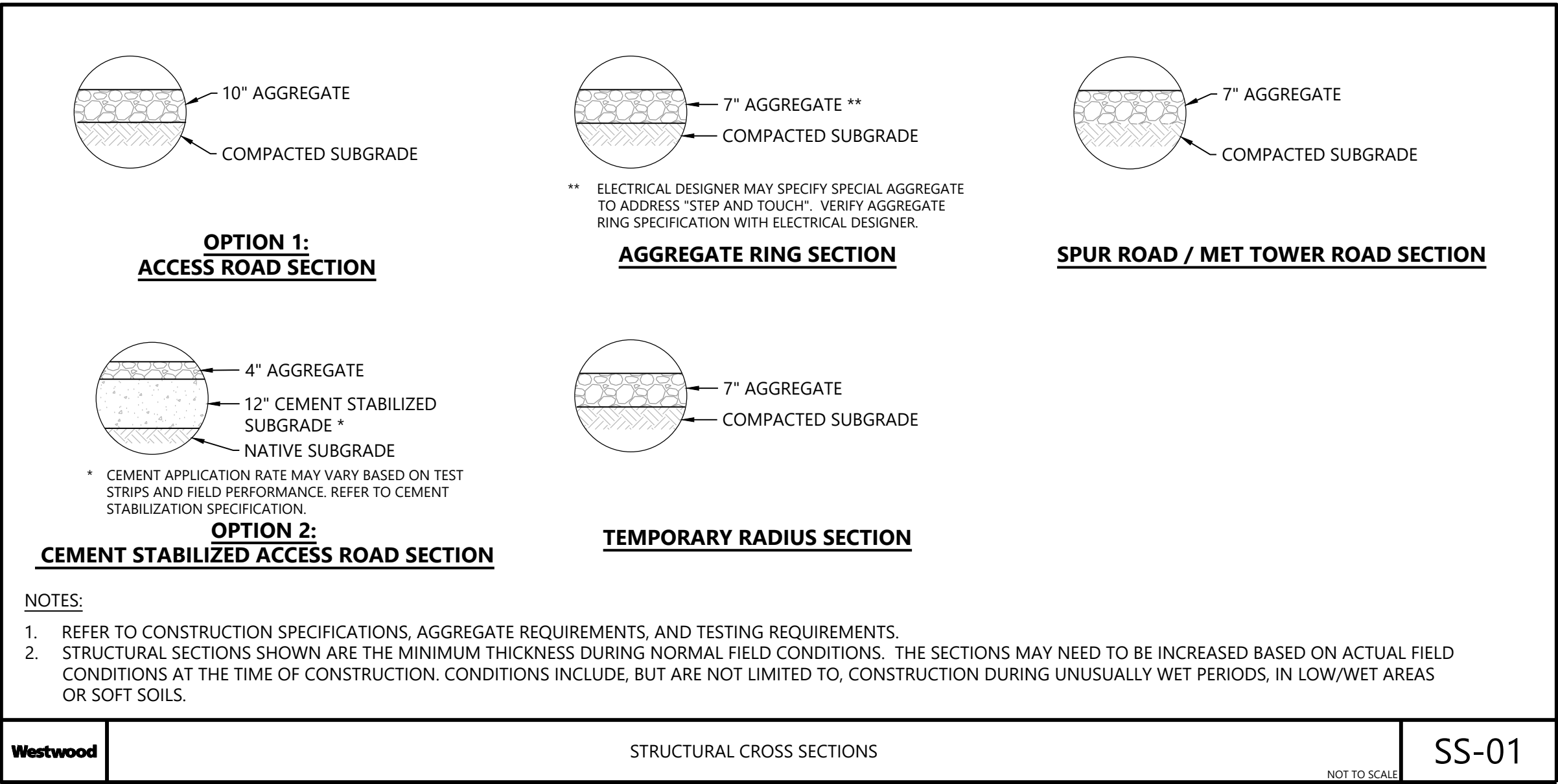
Coles County, Illinois

Construction Details - 1

ISSUED FOR CONSTRUCTION

DATE: 08/15/2025
SHEET: C700
REV: 3

\\00127823-11 CAD\\00127823-11 C701.dwg 8/8/2025 7:39 AM Galen Huns



PREPARED FOR:



120 Garrett St Suite 700
Charlottesville, VA 22902

REVISIONS:				
#	DATE	COMMENT	BY	CHK
0	07/25/2025	ISSUED FOR CONSTRUCTION	SL	GN
1	07/29/2025	UPDATED ACCESS ROAD T-39/45	SL	GN
2	08/08/2025	UPDATED TURBINE T-39/47	DM	GN
3	08/15/2025	DFP REVISION	GN	PM

Coles Wind Project

Coles County, Illinois

Construction Details - 2

ISSUED FOR CONSTRUCTION

DATE: 08/15/2025

SHEET: C701

REV:

3

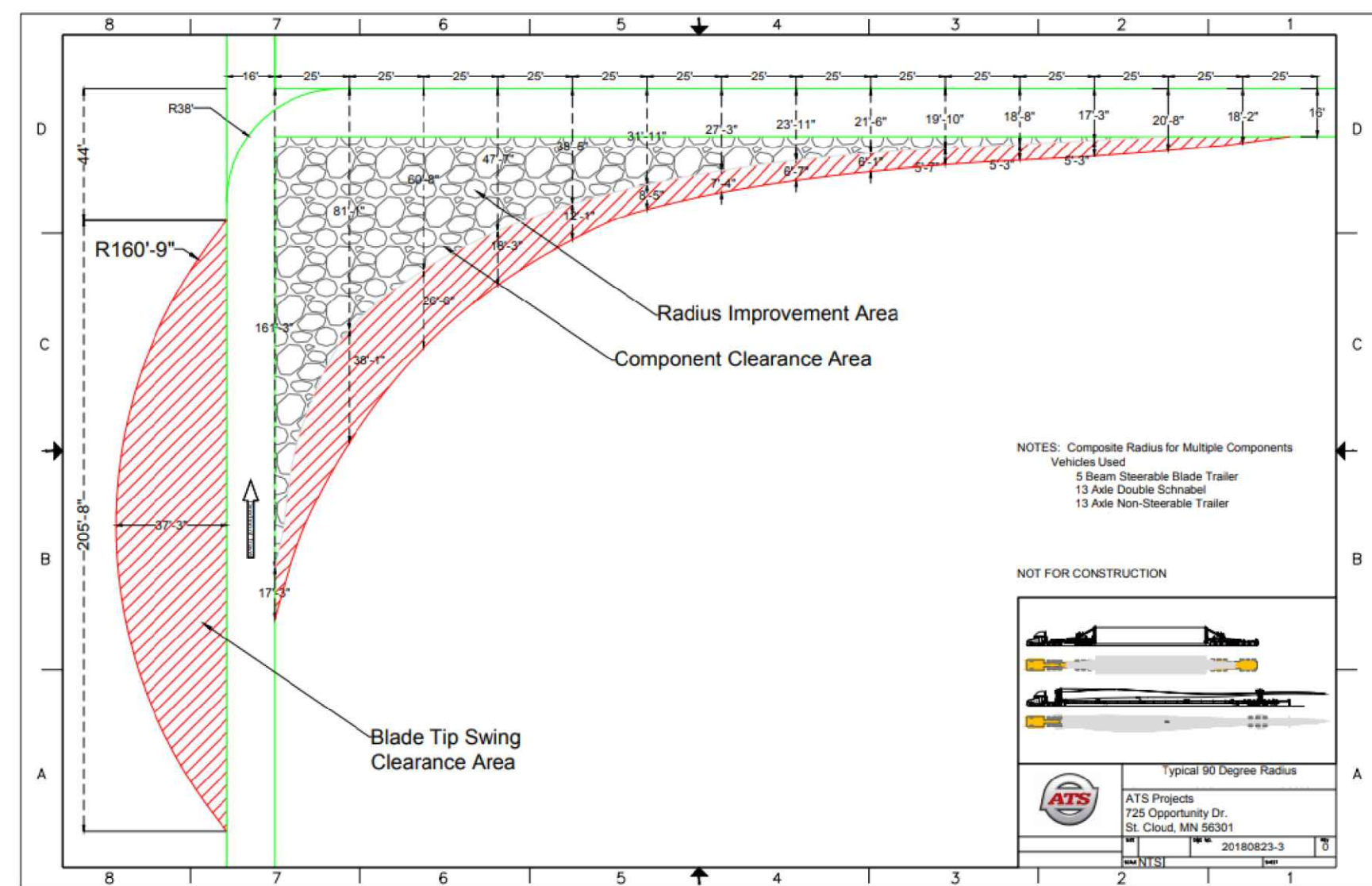
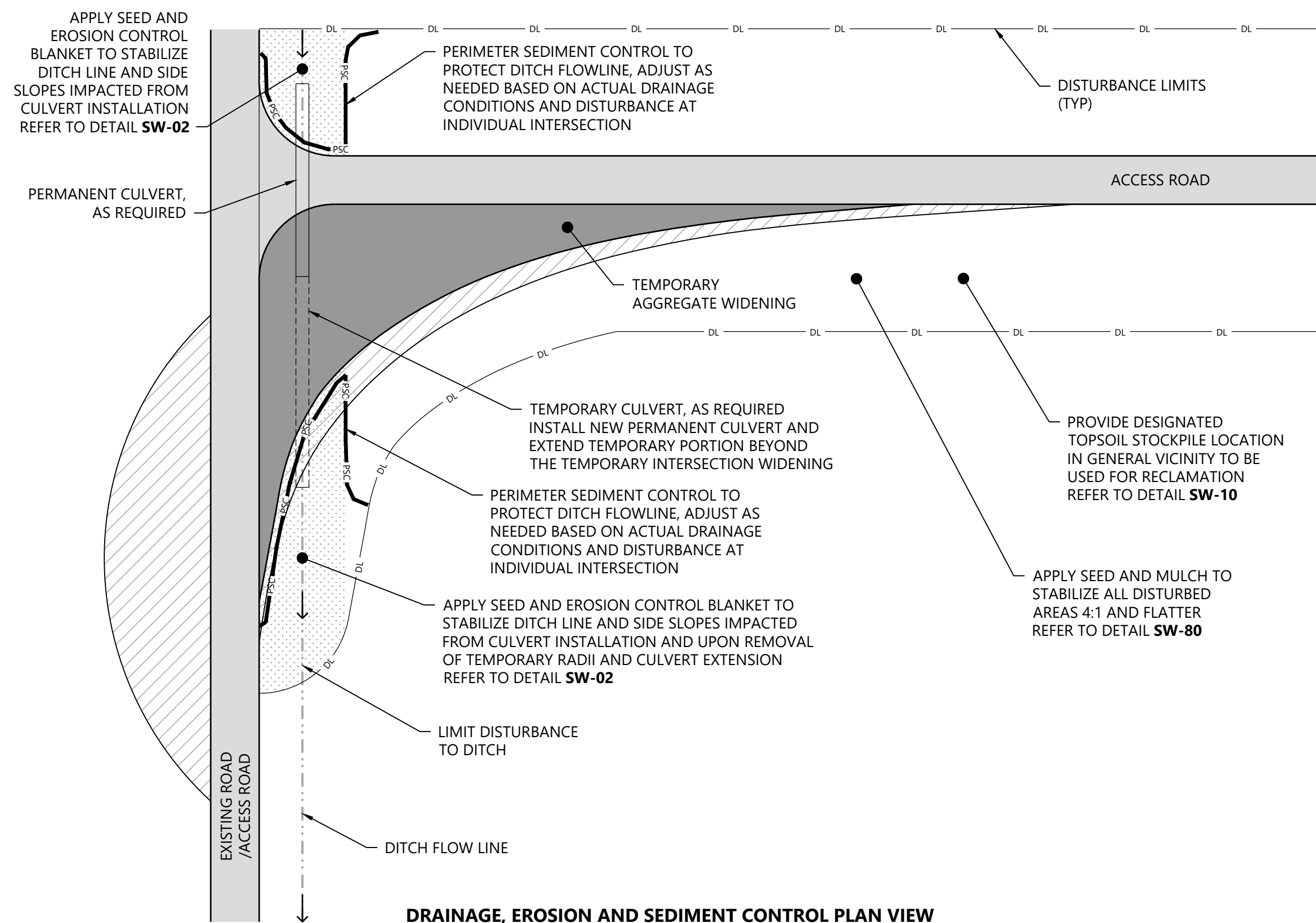


Figure 12: 90 degree Turning Radius for the Cypress Components

SITE PLAN VIEW



NOTES:

- UPON COMPLETION OF DELIVERIES, TEMPORARY INTERSECTION WIDENING AND TEMPORARY CULVERT TO BE REMOVED AND ALL DISTURBED AREAS RESTORED TO NATIVE CONDITIONS.
- CULVERTS AND PERIMETER SEDIMENT CONTROL SHALL BE INSTALLED AND MAINTAINED AT INTERSECTIONS WHERE THE ACCESS ROAD IS CROSSING AN EXISTING DITCH. REFER TO NPDES PERMIT FOR ADDITIONAL INFORMATION. SHOWN FOR REFERENCE, FIELD CONDITIONS MAY VARY.
- DIMENSIONS SHOWN ASSUME A 90° INTERSECTION.
- FILL PLACEMENT FOR TEMPORARY TURNS SHALL FOLLOW TESTING REQUIREMENTS FOR FILL PLACEMENT.
- REFER TO LOCAL JURISDICTION REQUIREMENTS FOR CULVERT END TREATMENTS ALONG PUBLIC ROADS.
- EXISTING DITCH FLOW LINE, IF PRESENT, SHALL BE RE-ESTABLISHED AND STABILIZED FOLLOWING CULVERT INSTALLATION.

DETAIL SOURCE: BASED ON GE SITE ROADS AND CRANE SPECIFICATION, APPLICABLE FOR 2.0 MW TO 2.8 MW WIND TURBINE GENERATORS, REV. 07 - DOC-0001707-EN, 2020-08-20

Westwood

INTERSECTION WIDENING - 90 DEGREE

NOT TO SCALE

RD-21

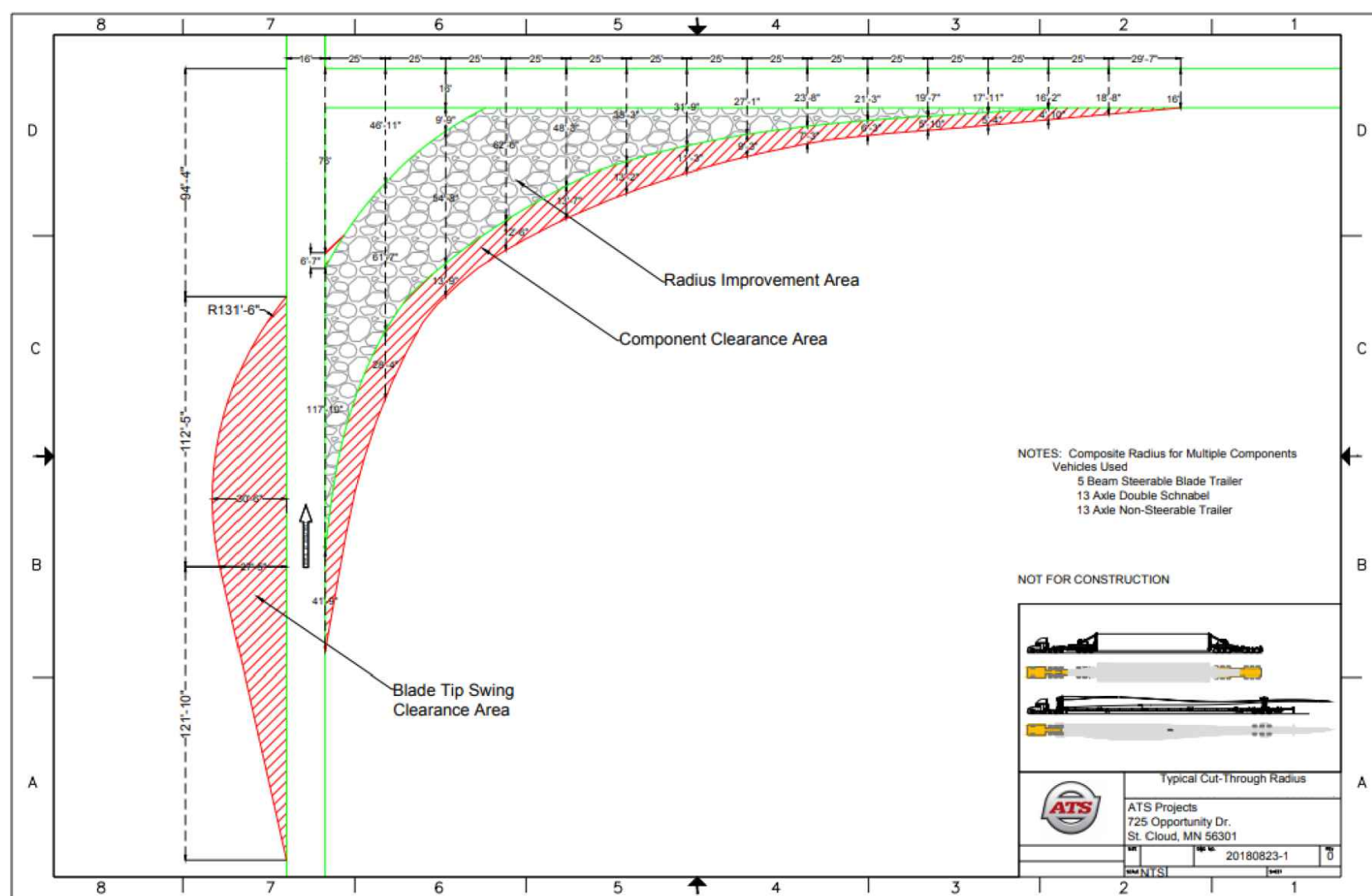
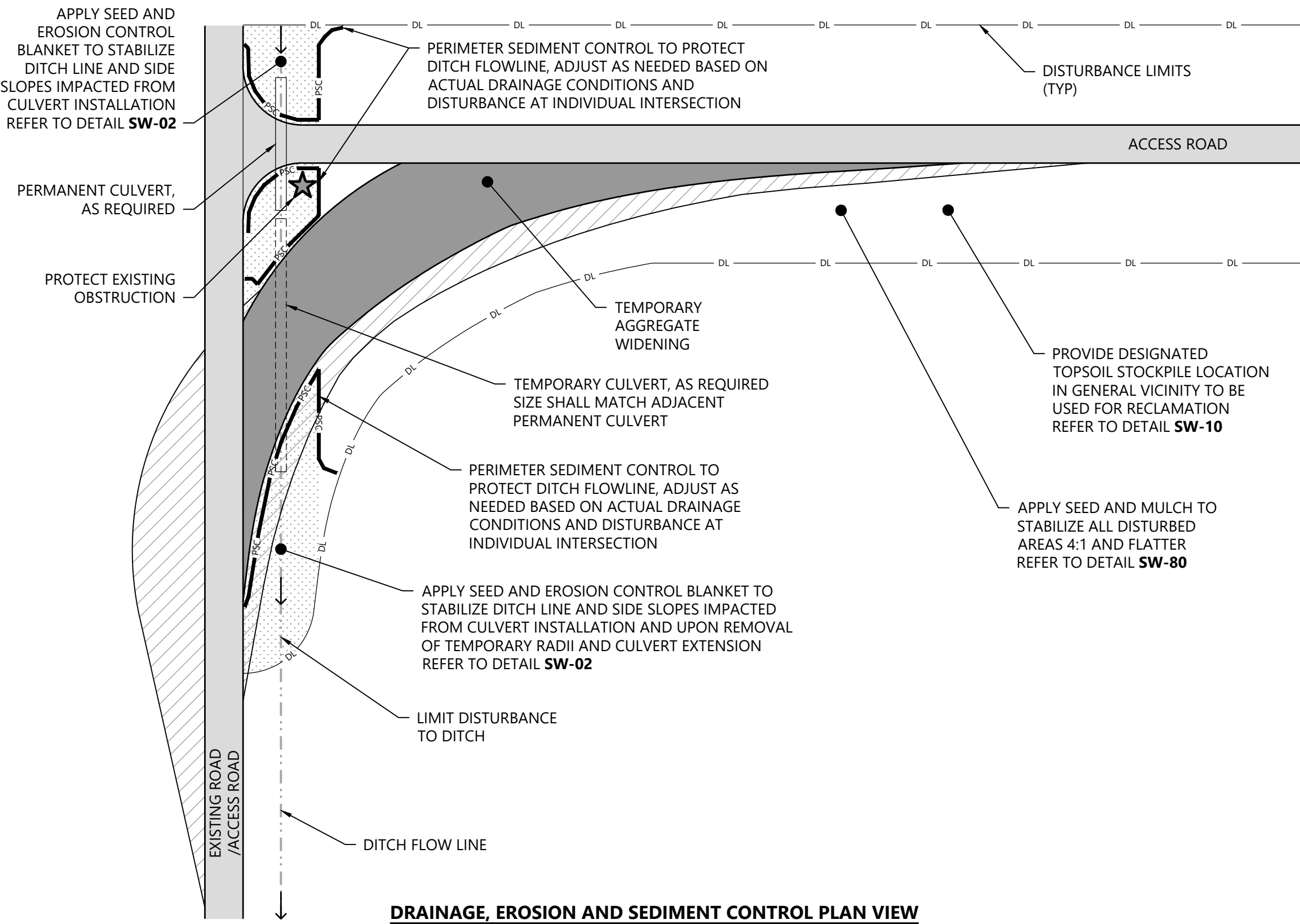


Figure 10: Cut-Through Turning Radius for the Cypress Components

SITE PLAN VIEW



NOTES:

- UPON COMPLETION OF DELIVERIES, TEMPORARY INTERSECTION WIDENING AND TEMPORARY CULVERT TO BE REMOVED AND ALL DISTURBED AREAS RESTORED TO NATIVE CONDITIONS.
- CULVERTS AND PERIMETER SEDIMENT CONTROL SHALL BE INSTALLED AND MAINTAINED AT INTERSECTIONS WHERE THE ACCESS ROAD IS CROSSING AN EXISTING DITCH. REFER TO NPDES PERMIT FOR ADDITIONAL INFORMATION. SHOWN FOR REFERENCE, FIELD CONDITIONS MAY VARY.
- FIELD FIT TRUCK TURNING LANE BASED ON ACTUAL CONDITIONS TO ENSURE AN ADEQUATE OBSTACLE FREE ZONE.
- FILL PLACEMENT FOR TEMPORARY TURNS SHALL FOLLOW TESTING REQUIREMENTS FOR FILL PLACEMENT.
- REFER TO LOCAL JURISDICTION REQUIREMENTS FOR CULVERT END TREATMENTS ALONG PUBLIC ROADS.
- EXISTING DITCH FLOW LINE, IF PRESENT, SHALL BE RE-ESTABLISHED AND STABILIZED FOLLOWING CULVERT INSTALLATION.

DETAIL SOURCE: BASED ON GE SITE ROADS AND CRANE SPECIFICATION, APPLICABLE FOR SIERRA-140 WIND TURBINE GENERATORS, REV. 02 - DOC-0082978-EN, 2022-02-18 AND APPLICABLE FOR CYPRESS-158 M ROTOR WIND TURBINE GENERATORS, REV. 01 - DOC-0085515-EN, 2021-06-15

Westwood

INTERSECTION WIDENING - CUT THROUGH

NOT TO SCALE

RD-22

PAIGE R. MORTENSON
062-077157
8/15/25
Paige Mortenson
CPE: 11130125

PREPARED FOR:

120 Garrett St Suite 700
Charlottesville, VA 22902

REVISIONS:

#	DATE	COMMENT	BY	CHK	APR
0	07/25/2025	ISSUED FOR CONSTRUCTION	SL	GN	PM
1	07/29/2025	UPDATED ACCESS ROAD T-39/45	SL	GN	PM
2	08/08/2025	UPDATED TURBINE T-39/47	DM	GN	PM
3	08/15/2025	DFP REVISION	GN	PM	GN

Coles Wind Project

Coles County, Illinois

Construction Details -
3

ISSUED FOR CONSTRUCTION

DATE: 08/15/2025

SHEET: C702

REV:

3



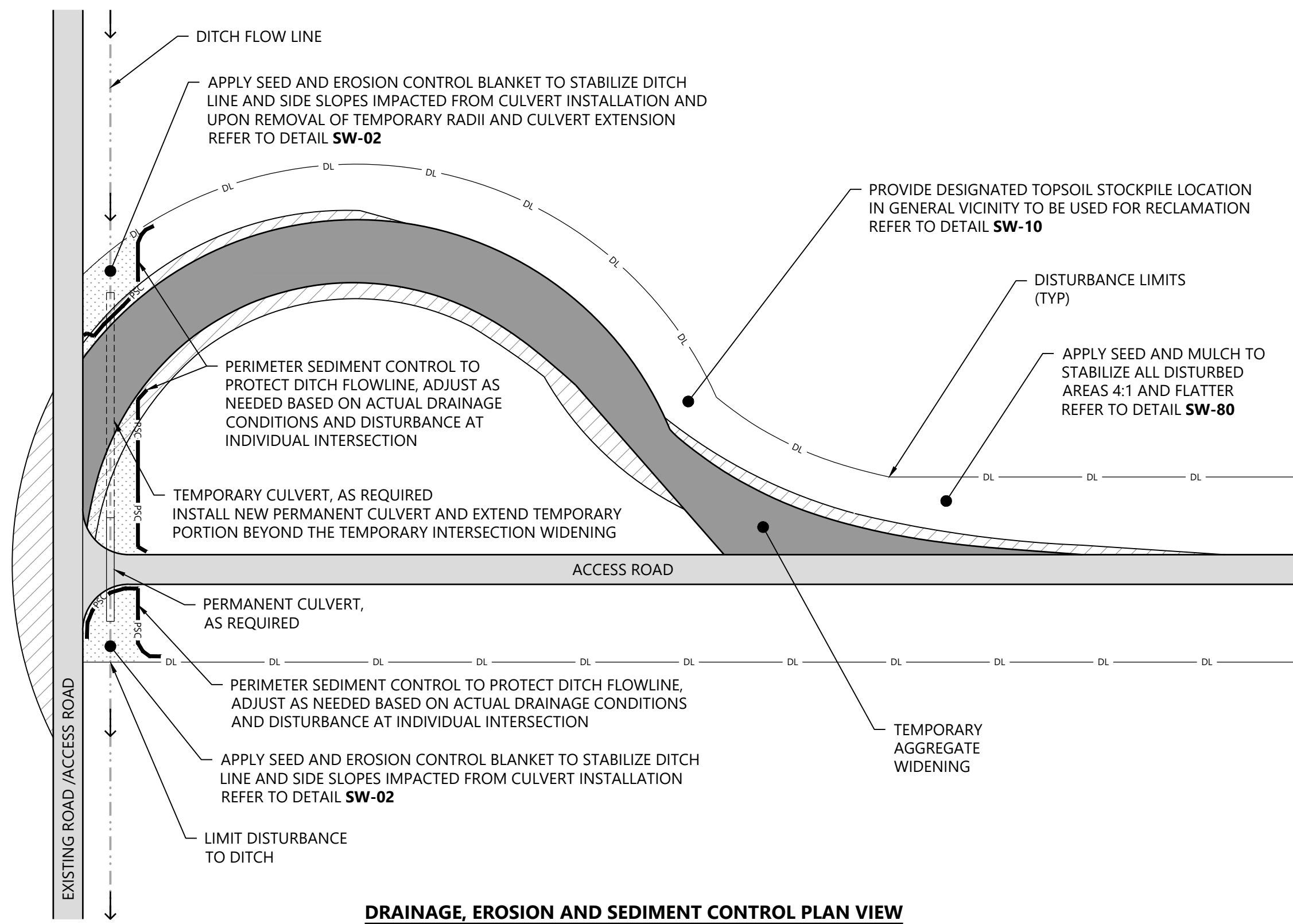
REVISIONS:	DATE	COMMENT	BY	CHK	APP
	07/25/2025	ISSUED FOR CONSTRUCTION	SL	GN	PM
	07/29/2025	UPDATED ACCESS ROAD T-39/45	SL	GN	PM
	08/08/2025	UPDATED TURBINE T-39/47	DM	GN	PM
	08/15/2025	DFP REVISION	GN	PM	GN

Construction Details - 4

ISSUED FOR CONSTRUCTION

DATE: 08/15/2025
SHEET: C703 REV: 3

SITE PLAN VIEW

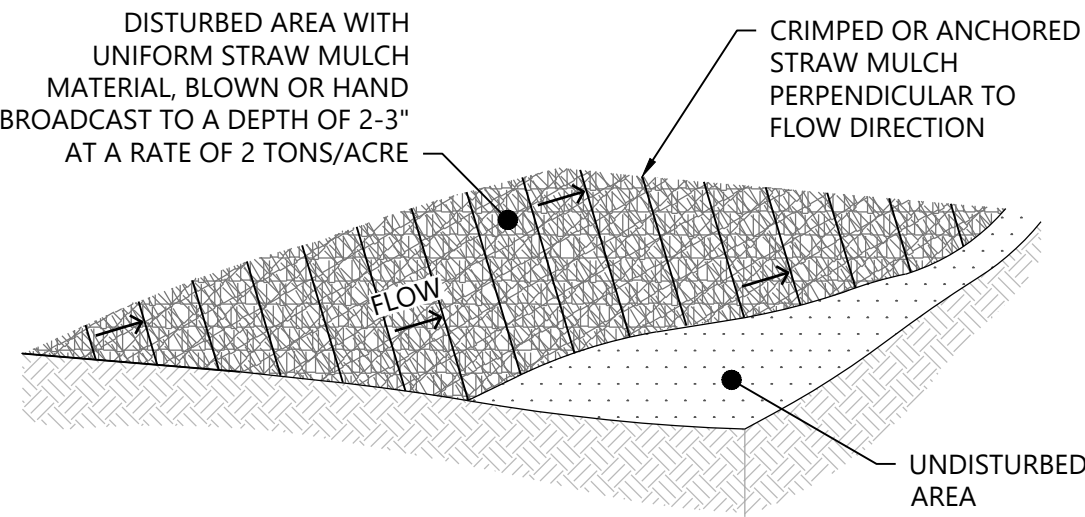


DRAINAGE, EROSION AND SEDIMENT CONTROL PLAN VIEW

NOTES:

1. UPON COMPLETION OF DELIVERIES, TEMPORARY INTERSECTION WIDENING AND TEMPORARY CULVERT TO BE REMOVED AND ALL DISTURBED AREAS RESTORED TO NATIVE CONDITIONS.
2. CULVERTS AND PERIMETER SEDIMENT CONTROL SHALL BE INSTALLED AND MAINTAINED AT INTERSECTIONS WHERE THE ACCESS ROAD IS CROSSING AN EXISTING DITCH. REFER TO NPDES PERMIT FOR ADDITIONAL INFORMATION. SHOWN FOR REFERENCE, FIELD CONDITIONS MAY VARY.
3. FIELD FIT TRUCK TURNING LANE BASED ON ACTUAL CONDITIONS TO ENSURE AN ADEQUATE OBSTACLE FREE ZONE.
4. FILL PLACEMENT FOR TEMPORARY TURNS SHALL FOLLOW TESTING REQUIREMENTS FOR FILL PLACEMENT.
5. REFER TO LOCAL JURISDICTION REQUIREMENTS FOR CULVERT END TREATMENTS ALONG PUBLIC ROADS.
6. EXISTING DITCH FLOW LINE, IF PRESENT, SHALL BE RE-ESTABLISHED AND STABILIZED FOLLOWING CULVERT INSTALLATION.

DETAIL SOURCE: BASED ON GE SITE ROADS AND CRANE SPECIFICATION, APPLICABLE FOR 2.0 MW TO 2.8 MW WIND TURBINE GENERATORS, REV. 07 - DOC-0001707-EN 2020-08-28



NOTES:

1. APPLY STRAW MULCH AS SOON AS POSSIBLE AFTER LAND DISTURBING ACTIVITIES HAVE CEASED, EITHER TEMPORARILY OR PERMANENTLY.
2. STRAW MULCH CAN BE APPLIED BY HAND BROADCASTING OR MACHINE BLOWN DOWN THE SLOPE TO ACHIEVE UNIFORM COVER.
3. STRAW MULCH IS TYPICALLY SUITABLE FOR SLOPES 4:1 AND FLATTER. SLOPES STEEPER THAN 4:1 SHALL USE EROSION CONTROL BLANKET OR SUITABLE ALTERNATIVE.
4. STRAW MULCH SHALL NOT BE APPLIED TO AREAS OF CONCENTRATED FLOW.
5. TO INCREASE THE EFFECTIVENESS OF THE MULCH COVER AGAINST WIND AND WATER EROSION, ANCHORING MAY BE APPLIED. POTENTIAL METHODS INCLUDE:
 - 5.1. HAND PUNCHING - HAND TOOLS CAN BE USED TO PUNCH THE STRAW INTO THE GROUND UNTIL ALL AREAS HAVE STRAW STANDING PERPENDICULAR TO THE SLOPE AND EMBEDDED AT LEAST 4" INTO THE GROUND. IT SHOULD BE PUNCHED ABOUT 12" APART.
 - 5.2. ROLLER PUNCHING - A ROLLER EQUIPPED WITH STRAIGHT STUDS NOT LESS THAN 6" LONG, FROM 4-6" WIDE, AND APPROXIMATELY 1" THICK IS ROLLED OVER THE STRAW MULCH.
 - 5.3. TRACKING - A BULLDOZER OR OTHER EQUIPMENT WITH CLEATED TRACKS, IS USED TO PUSH THE STRAW INTO THE SOIL. USED ONLY ON SLOPES WHERE THIS TYPE OF EQUIPMENT CAN SAFELY OPERATE. TRACKING EQUIPMENT MUST OPERATE UP AND DOWN THE SLOPE SO THE CLEAT TRACKS ARE PERPENDICULAR TO FLOW.
 - 5.4. DISK ANCHORING/CRIMPER PUNCHING - DISK ANCHORING IS TYPICALLY PERFORMED WITH A TRACTOR AND TANDEM STRAIGHT DISK PLOW. DISK SPACING SHOULD BE BETWEEN 4-8" APART. WEIGHT CAN BE ADDED TO TOW PLOW, AS NECESSARY, TO FORCE THE STRAW MULCH INTO THE SOIL. DISKING SHOULD BE DONE IN TWO DIRECTIONS WITH THE FINAL PASS ACROSS THE SLOPE.
 - 5.5. NETTING - NETTING MAY BE USED TO SECURE APPLIED MULCH ON STEEPER SLOPES (> 4:1) WHERE MULCH CANNOT BE PUNCHED WITH A ROLLER OR BY HAND. JUTE, WOOD EXCelsior OR PLASTIC NETTING IS APPLIED OVER UNPUNCHED STRAW MULCH AND ANCHORED WITH SOD STAPLES.
 - 5.6. TACKIFIER - ON STEEP SLOPES (> 4:1), A TACKIFIER AGENT MAY BE USED TO BOND OR GLUE THE MULCH THAT HAS BEEN SEEDDED AND DISK ANCHORED ON THE SLOPE. THIS METHOD INCREASES THE LONGEVITY AND EFFECTIVENESS AND MAY REDUCE THE NEED FOR EROSION CONTROL BLANKETS ON STEEP SLOPES, WHEN PROPERLY APPLIED.

Westwood STRAW MULCH - APPLICATION AND ANCHORING METHODS SW-80
NOT TO SCALE

SW-80



PREPARED FOR:
APEX CLEAN ENERGY

120 Garrett St Suite 700
Charlottesville, VA 22902

REVISIONS:

#	DATE	COMMENT	BY	CHK	APR
0	07/25/2025	ISSUED FOR CONSTRUCTION	SL	GN	PM
1	07/29/2025	UPDATED ACCESS ROAD T-39/45	SL	GN	PM
2	08/08/2025	UPDATED TURBINE T-39/47	DM	GN	PM
3	08/15/2025	DFP REVISION	GN	PM	GN



NOTES:

- CULVERT INSTALLATION AND COMPACTION SHALL ADHERE TO MANUFACTURER'S RECOMMENDATIONS.
- REFER TO DRAINAGE CROSSING SCHEDULE FOR SIZING.
- FIT CULVERT TO FIELD CONDITIONS.
- MINIMIZE DISTURBANCE TO EXISTING CHANNEL/DITCH DURING CULVERT INSTALLATION.
- PERIMETER SEDIMENT CONTROLS MAY CONSIST OF SILT FENCE, FIBER LOGS, WOOD MULCH BERMS, OR TOPSOIL BERMS. REFER TO ASSOCIATED DETAIL(S) AND/OR NPDES PERMIT FOR ADDITIONAL DETAILS.

MULTI-PIPE SPACING

PIPE ϕ	X (MIN)
UP TO 24"	12"
24" TO 72"	$\phi/2$
OVER 72"	36"

Westwood

CULVERT CROSSING

NOT TO SCALE

DN-03



NOTES:

- CULVERT INSTALLATION AND COMPACTION SHALL ADHERE TO MANUFACTURER'S RECOMMENDATIONS.
- REFER TO DRAINAGE CROSSING SCHEDULE FOR SIZING.
- FIT CULVERT TO FIELD CONDITIONS.
- MINIMIZE DISTURBANCE TO EXISTING CHANNEL/DITCH DURING CULVERT INSTALLATION.
- PERIMETER SEDIMENT CONTROLS MAY CONSIST OF SILT FENCE, FIBER LOGS, WOOD MULCH BERMS, OR TOPSOIL BERMS. REFER TO ASSOCIATED DETAIL(S) AND/OR NPDES PERMIT FOR ADDITIONAL DETAILS.

MULTI-PIPE SPACING

PIPE ϕ	X (MIN)
UP TO 24"	12"
24" TO 72"	$\phi/2$
OVER 72"	36"

Westwood

PUBLIC ROW ACCESS ENTRANCE - PERMANENT CONDITION - CULVERT

NOT TO SCALE

DN-06



NOTES:

- REFER TO MANUFACTURER'S INSTALLATION RECOMMENDATIONS AND DETAILS.
- CHANNEL SIDE SLOPES MAY REQUIRE MODIFICATION TO CONSTRUCT THE ACCESS ROAD THROUGH THE CHANNEL TO MEET THE REQUIREMENTS OF CONSTRUCTION AND DELIVERY VEHICLES.
- THE ACCESS ROAD SHALL CROSS THE CHANNEL AS CLOSE TO PERPENDICULAR AS POSSIBLE.
- THE FINISHED ACCESS ROAD SURFACE SHALL BE AT AN ELEVATION THAT ALLOWS WATER TO FLOW THROUGH THE CHANNEL UNIMPEDED AND WITHOUT PONDING UPSTREAM OF ROAD OR ON THE ROAD SURFACE.
- ARMORED SURFACE SHALL EXTEND THROUGH THE CHANNEL BOTTOM AND UP THE CHANNEL SIDE SLOPES TO THE OBSERVED TOP OF BANK OF THE CHANNEL, UNLESS OTHERWISE NOTED.
- PERIMETER SEDIMENT CONTROL MAY CONSIST OF SILT FENCE, FIBER LOGS, WOOD MULCH BERMS, OR TOPSOIL BERMS. REFER TO APPROPRIATE DETAIL FOR INSTALLATION REQUIREMENTS.
- STABILIZE DISTURBED GROUND IN ACCORDANCE WITH THE NPDES PERMIT.
- CROSSING MAY BE INSTALLED DURING THE PROJECT RESTORATION PHASE. IF INSTALLED DURING CONSTRUCTION, MONITOR THE CROSSING FOR DAMAGE FROM CONSTRUCTION TRAFFIC. ADDITIONAL MAINTENANCE OR REPAIRS MAY BE REQUIRED.

TYPICAL ARMORFLEX 45 1.5 BLOCK DIMENSIONS

1' 5 1/2"	1' 11 1/4"
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Westwood

HEAVY DUTY LOW WATER CROSSING

NOT TO SCALE

DN-02

Coles Wind Project
Coles County, Illinois

Construction Details - 5

ISSUED FOR CONSTRUCTION

DATE: 08/15/2025
SHEET: C704
REV: 3



8/15/25
Paige Mortenson
CWP: 11130125

PREPARED FOR:



120 Garrett St Suite 700
Charlottesville, VA 22902

REVISIONS:

#	DATE	COMMENT	BY	CHK	APR
0	07/25/2025	ISSUED FOR CONSTRUCTION	SL	GN	PM
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2	08/08/2025	UPDATED TURBINE T-39/47	DM	GN	PM
3	08/15/2025	DFP REVISION	GN	PM	GN

Coles Wind Project

Coles County, Illinois

Construction Details -
6

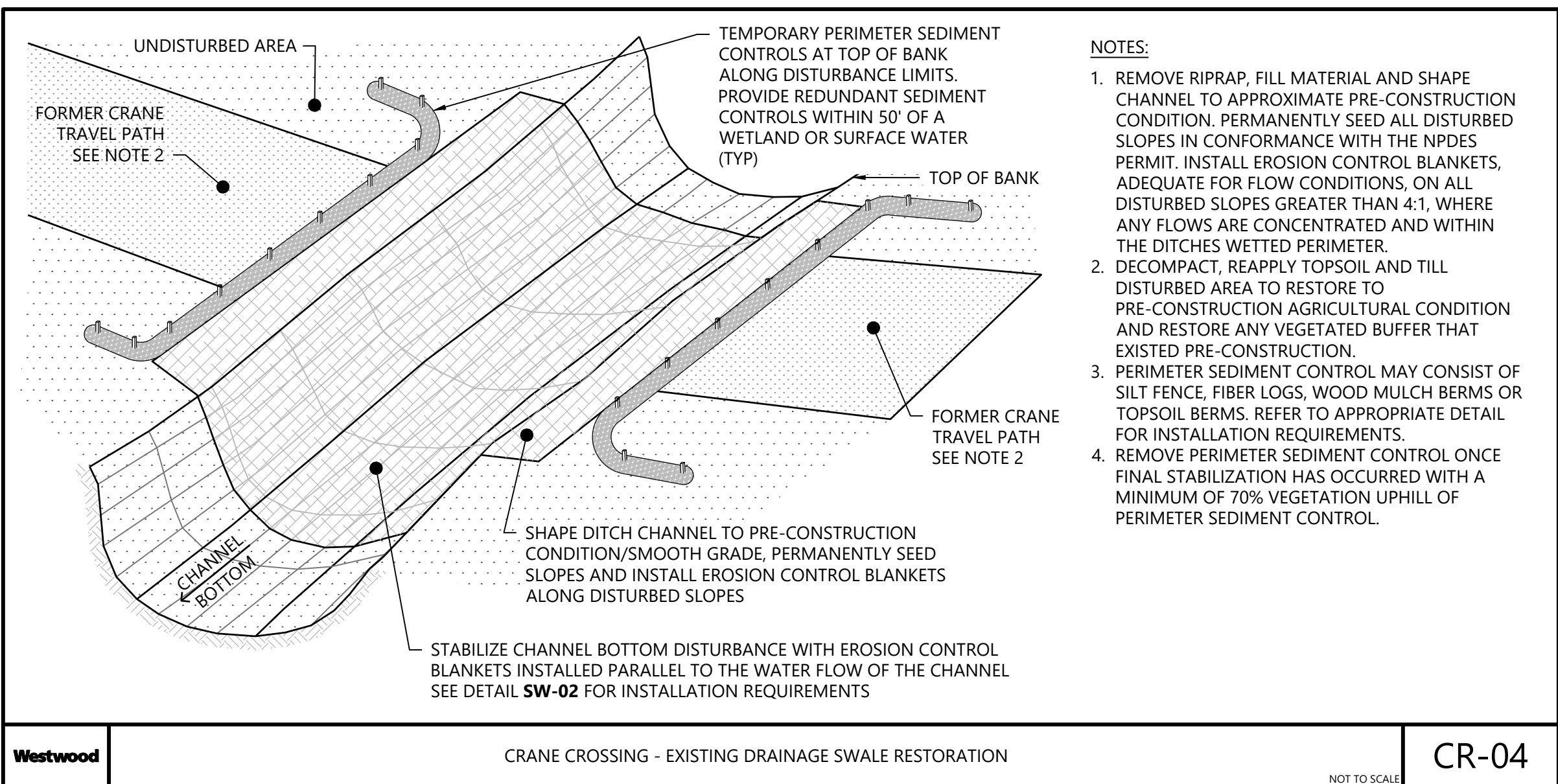
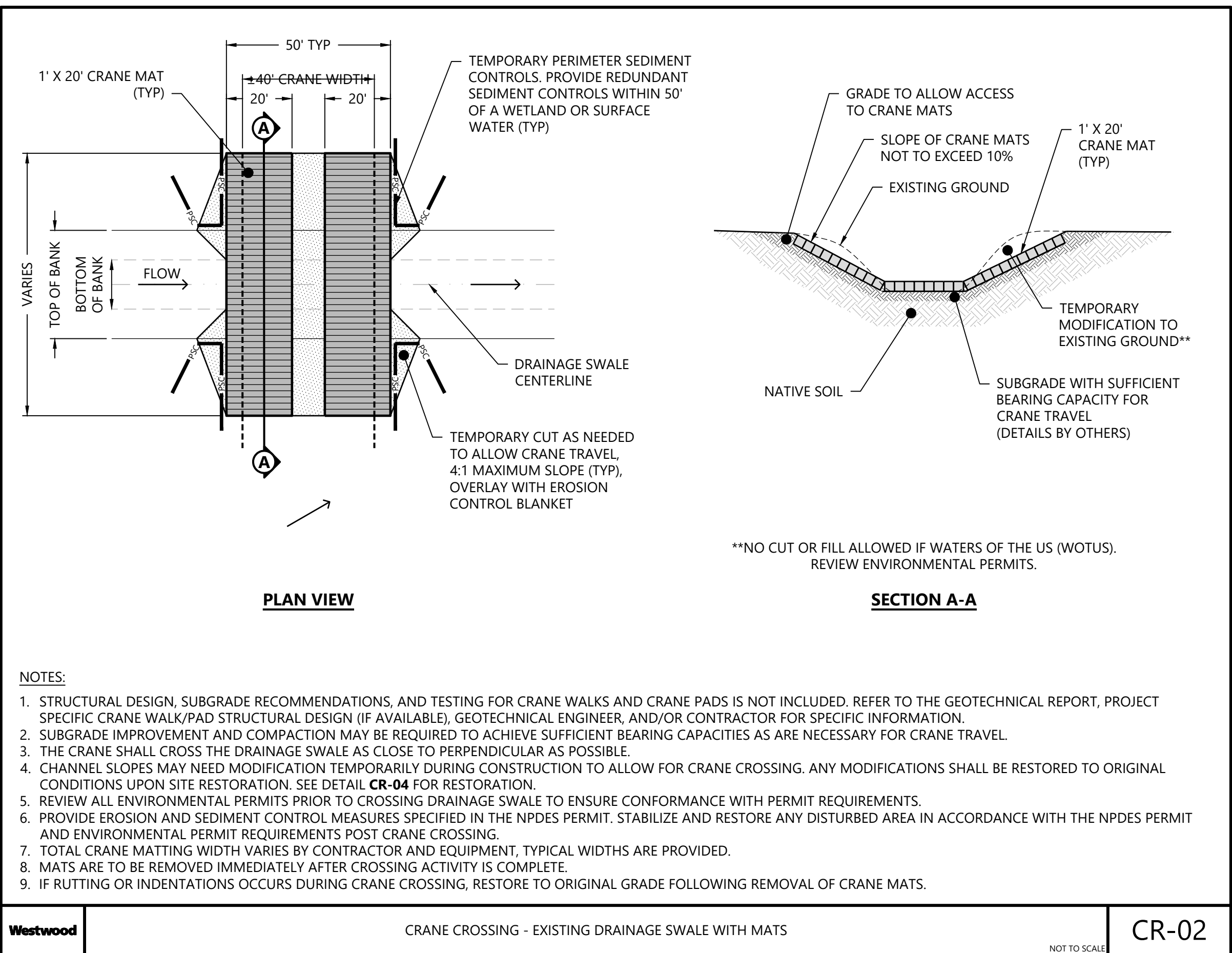
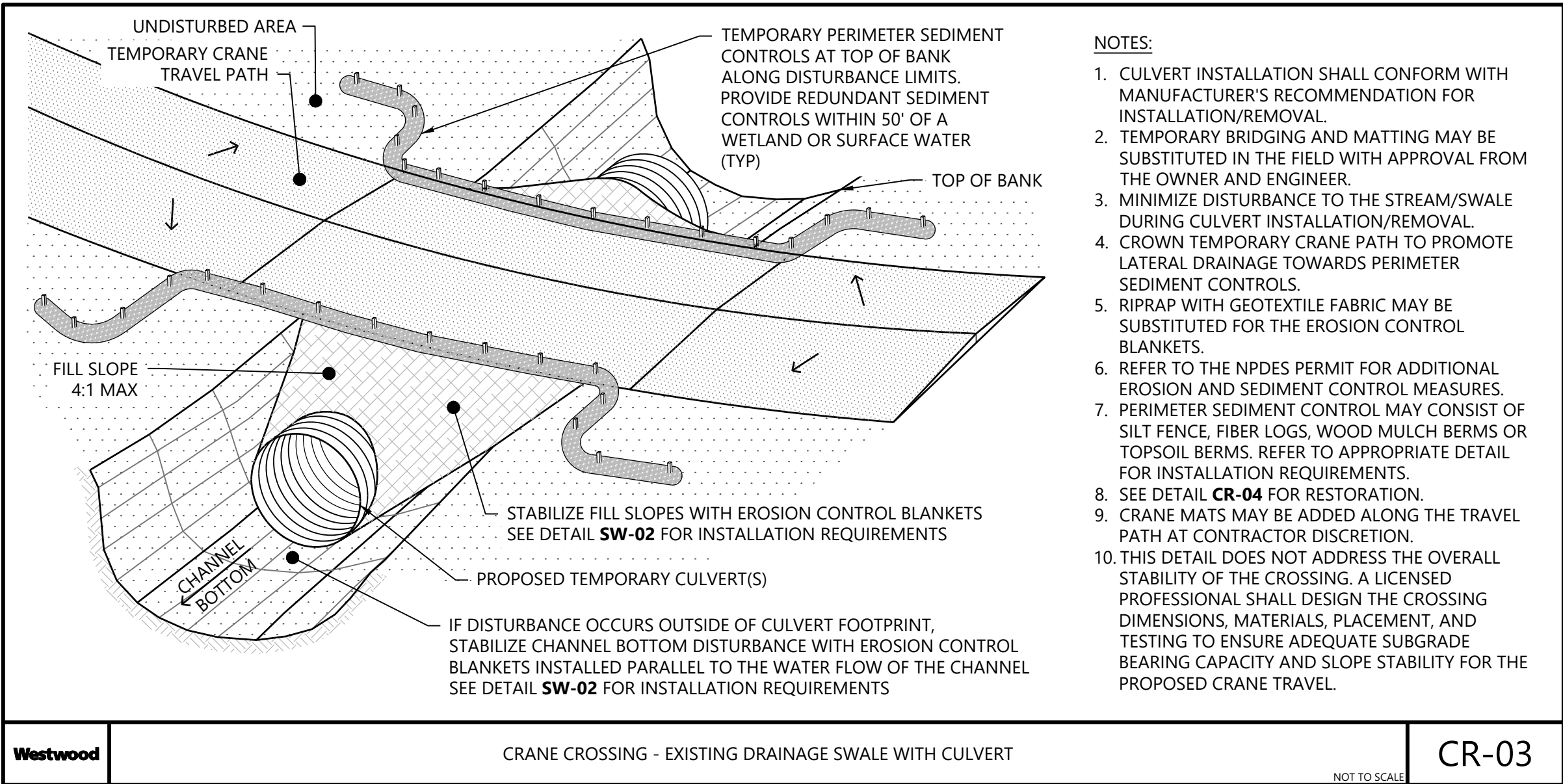
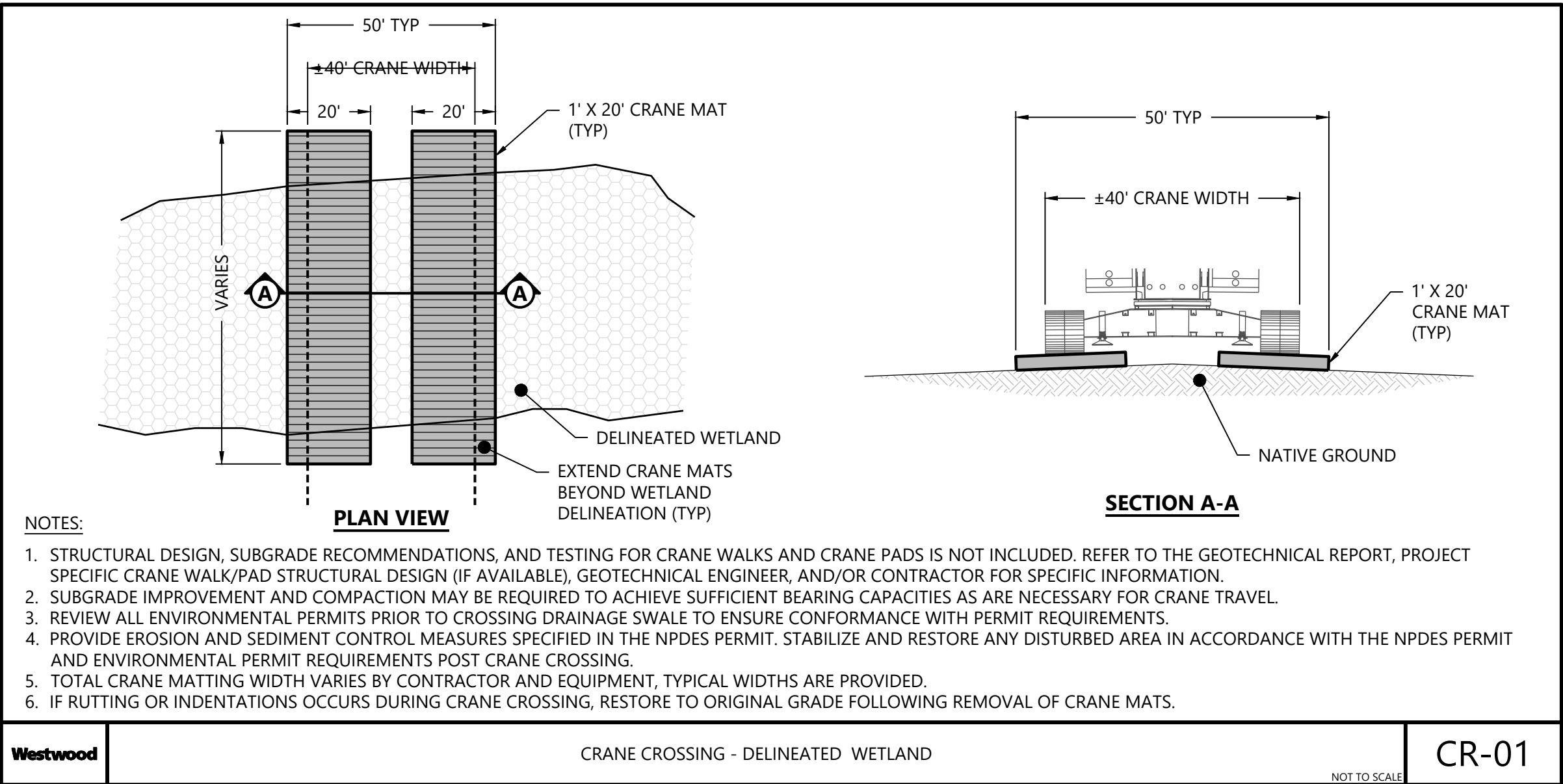
ISSUED FOR CONSTRUCTION

DATE: 08/15/2025

SHEET: C705

REV:

3





PREPARED FOR:



120 Garrett St Suite 700
Charlottesville, VA 22902

REVISIONS:						
#	DATE	COMMENT	BY	CHK	APR	
0	07/25/2025	ISSUED FOR CONSTRUCTION	SL	GN	PM	
1	07/29/2025	UPDATED ACCESS ROAD T-39/45	SL	GN	PM	
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3	08/15/2025	DFP REVISION	GN	PM	GN	

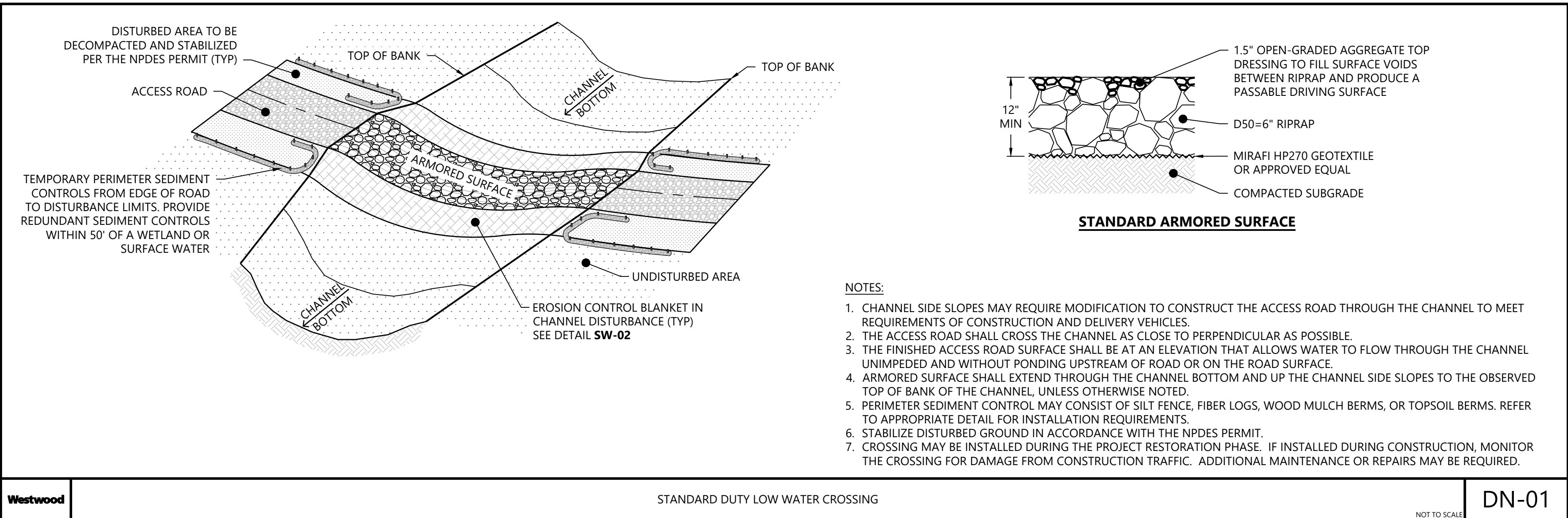
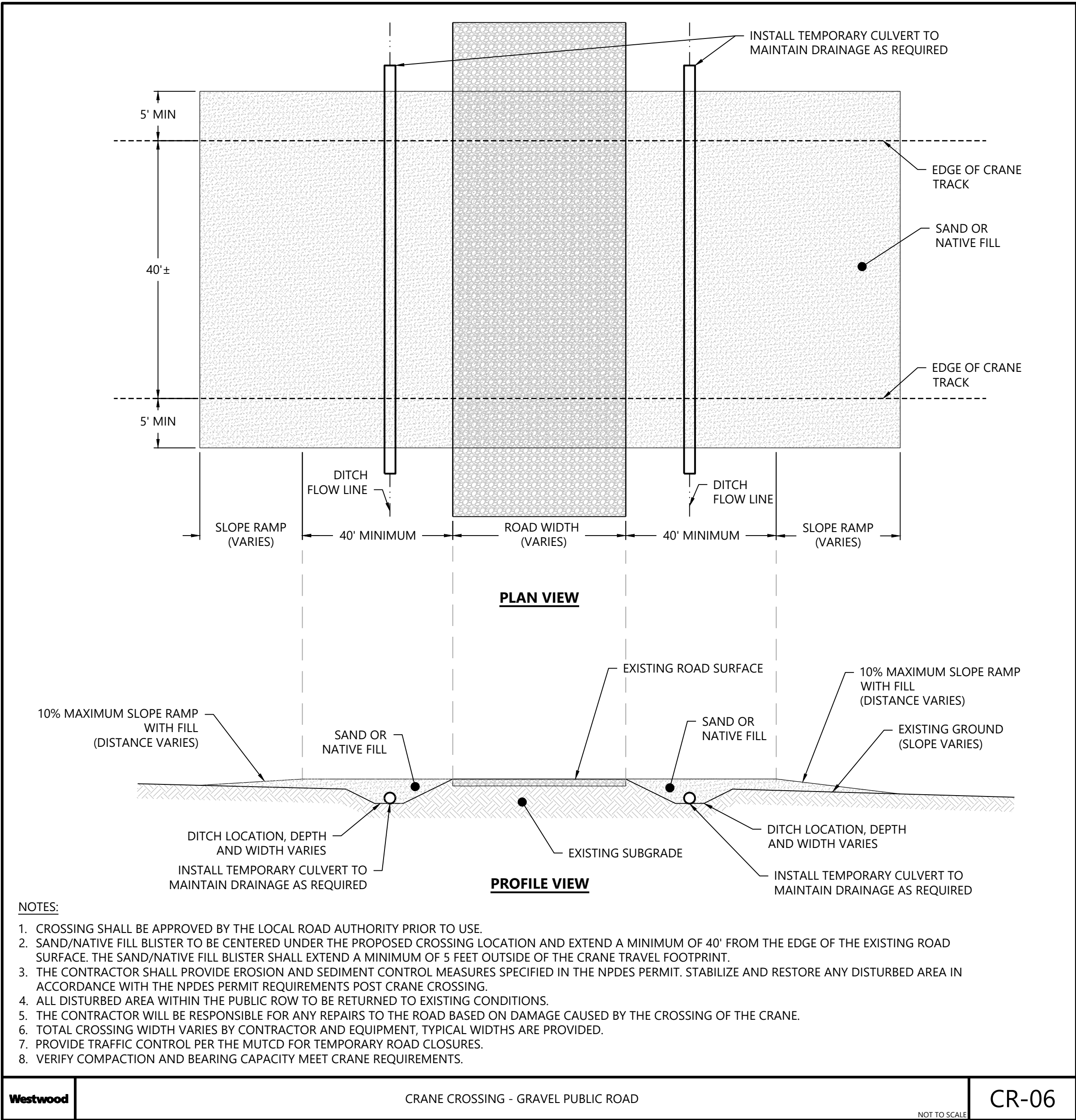
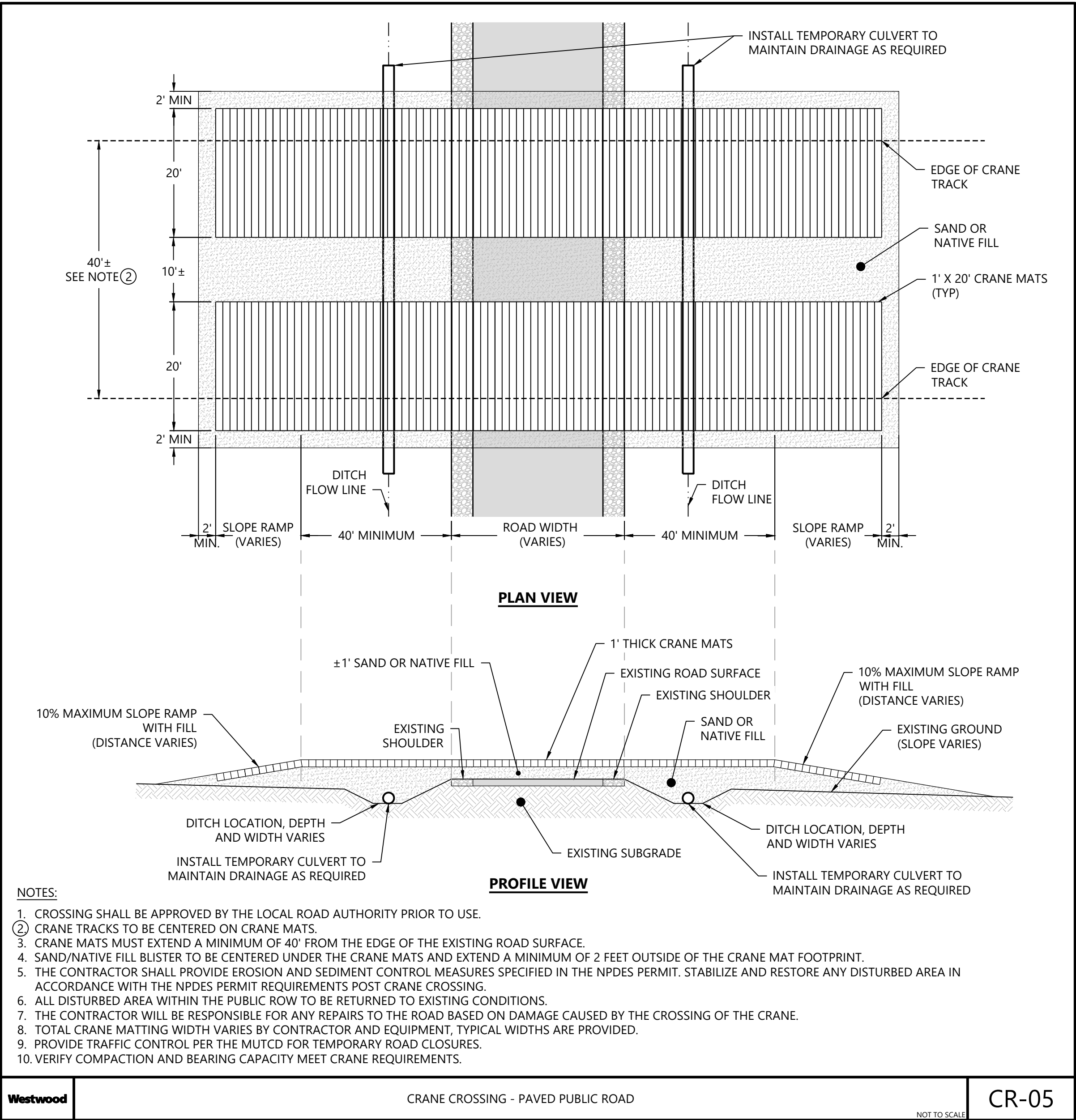
Coles Wind Project

Coles County, Illinois

Construction Details - 7

ISSUED FOR CONSTRUCTION

DATE: 08/15/2025
SHEET: C706
REV: 3





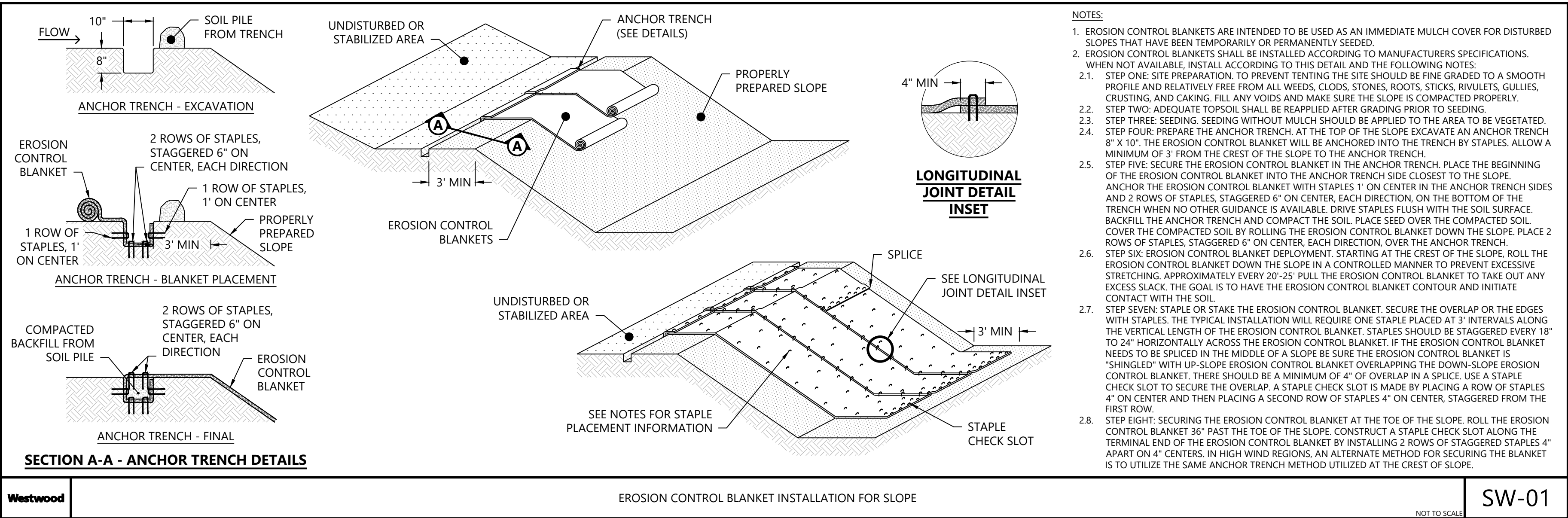
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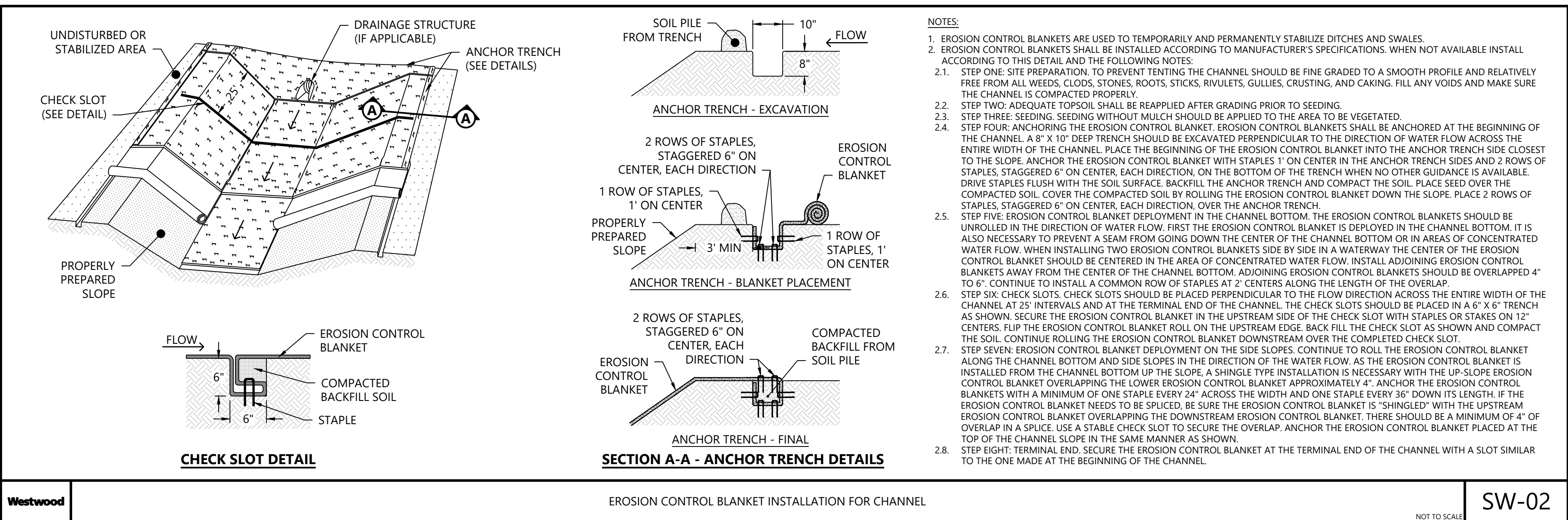
120 Garrett St Suite 700
Charlottesville, VA 22902

REVISIONS:

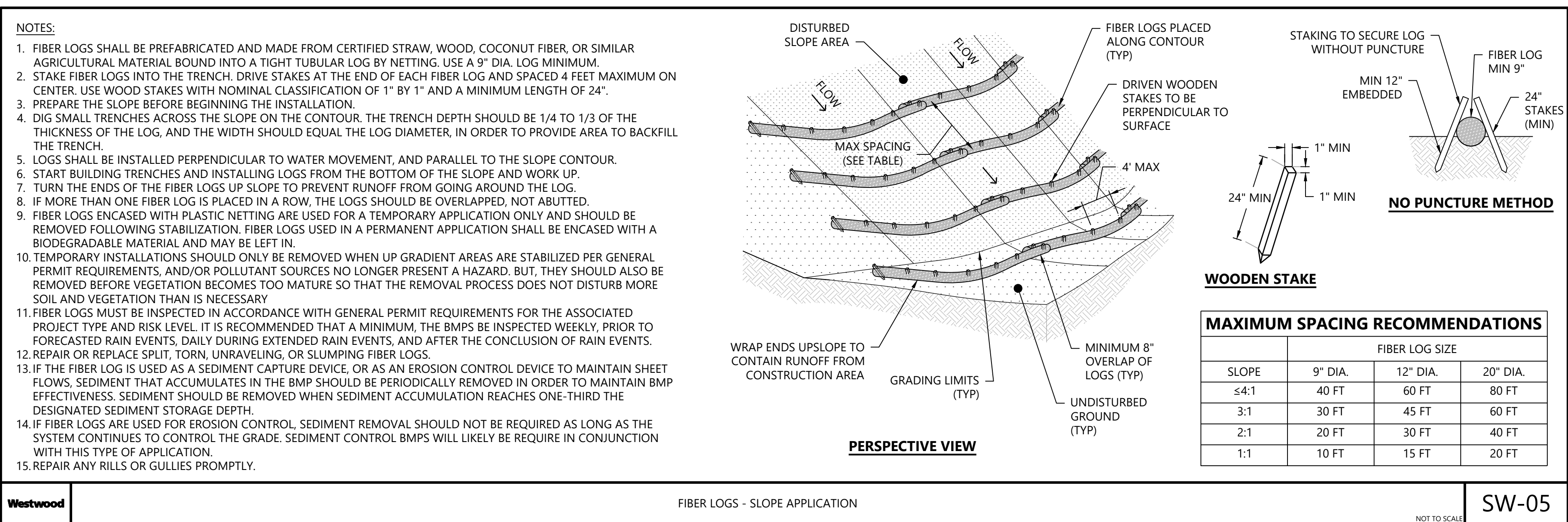
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1	07/29/2025	UPDATED ACCESS ROAD T-39/45	SL	GN	PM
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3	08/15/2025	DFP REVISION	GN	PM	GN



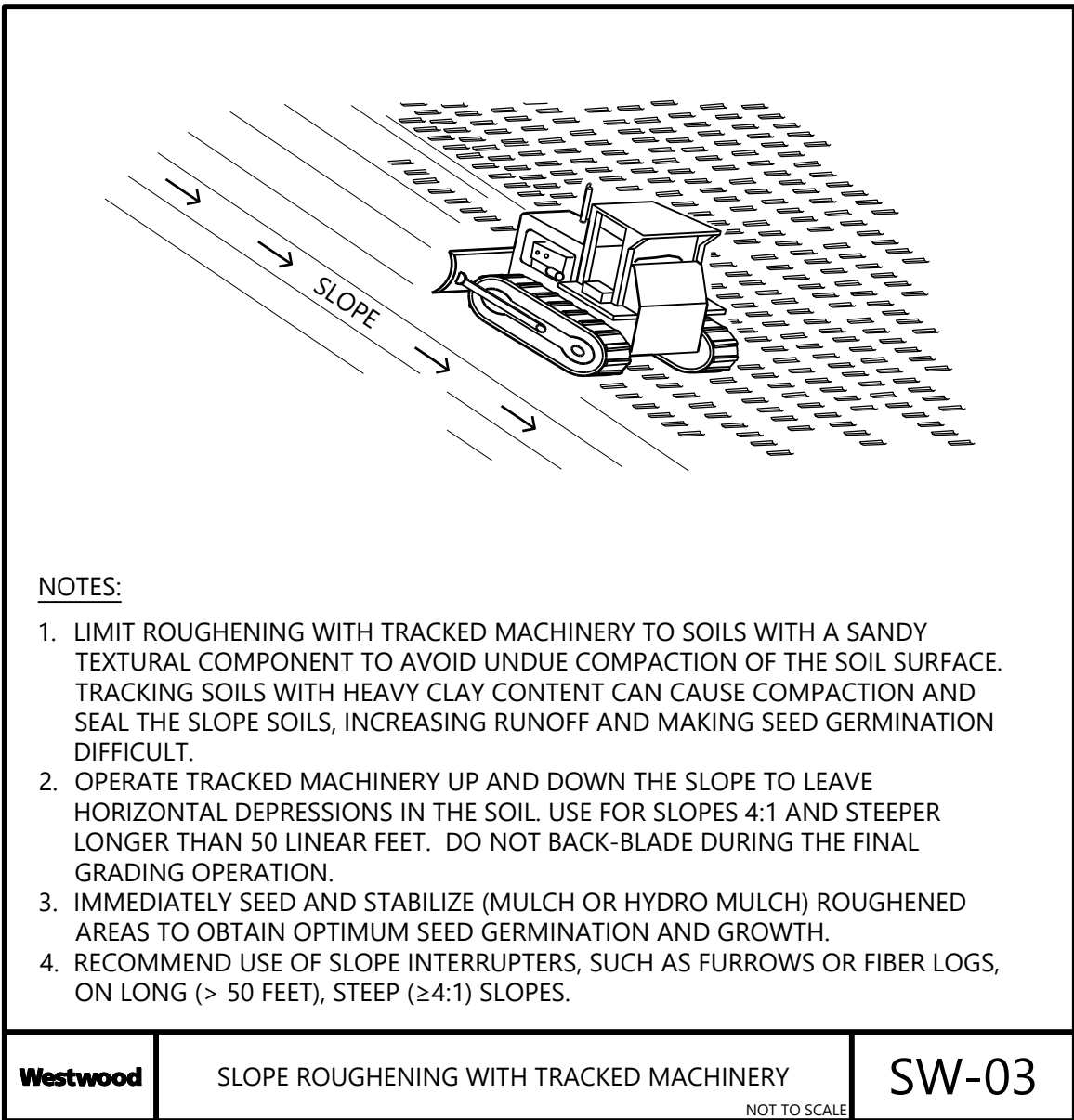
Westwood	EROSION CONTROL BLANKET INSTALLATION FOR SLOPE	SW-01
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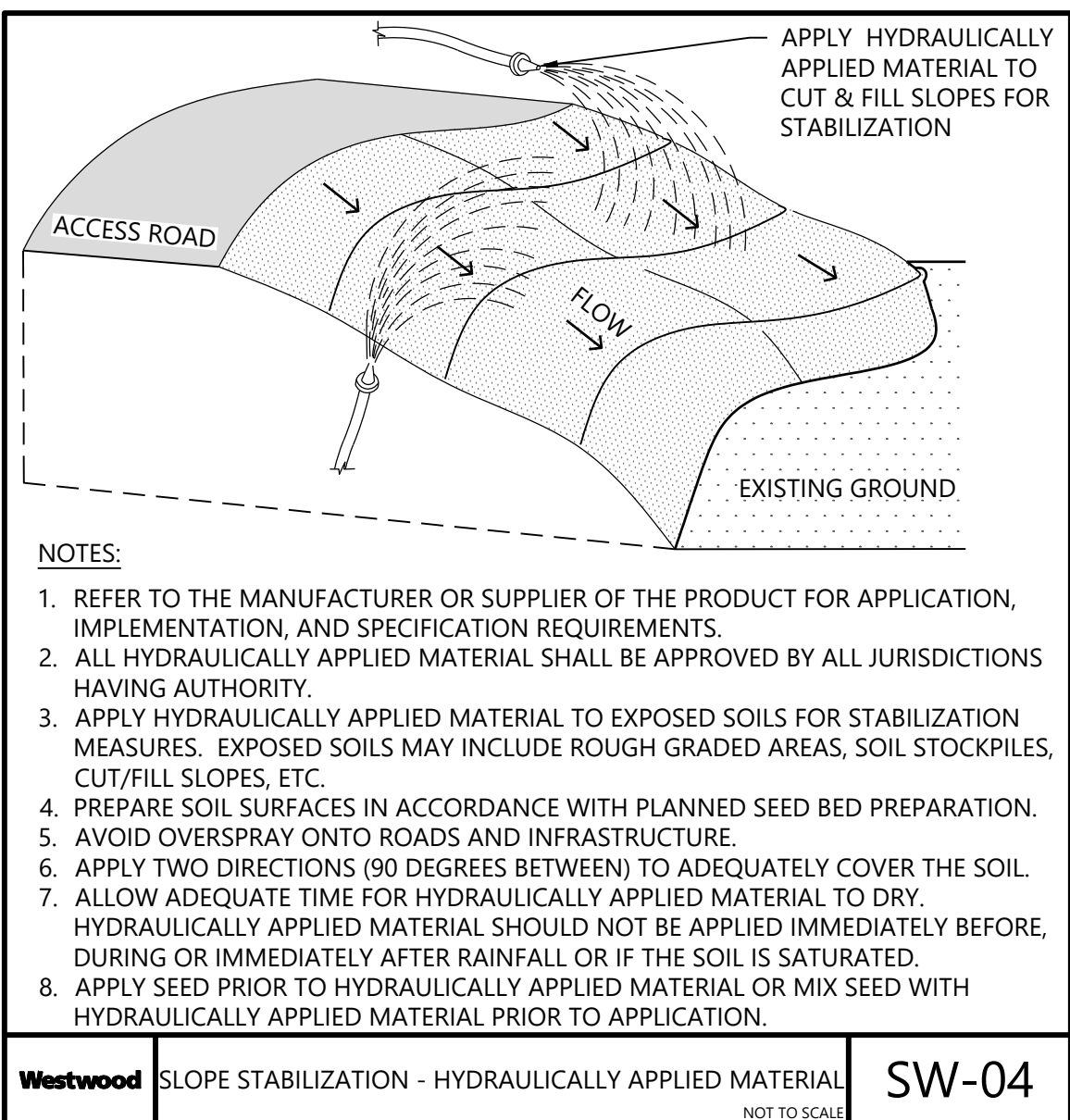
Westwood	EROSION CONTROL BLANKET INSTALLATION FOR CHANNEL	SW-02
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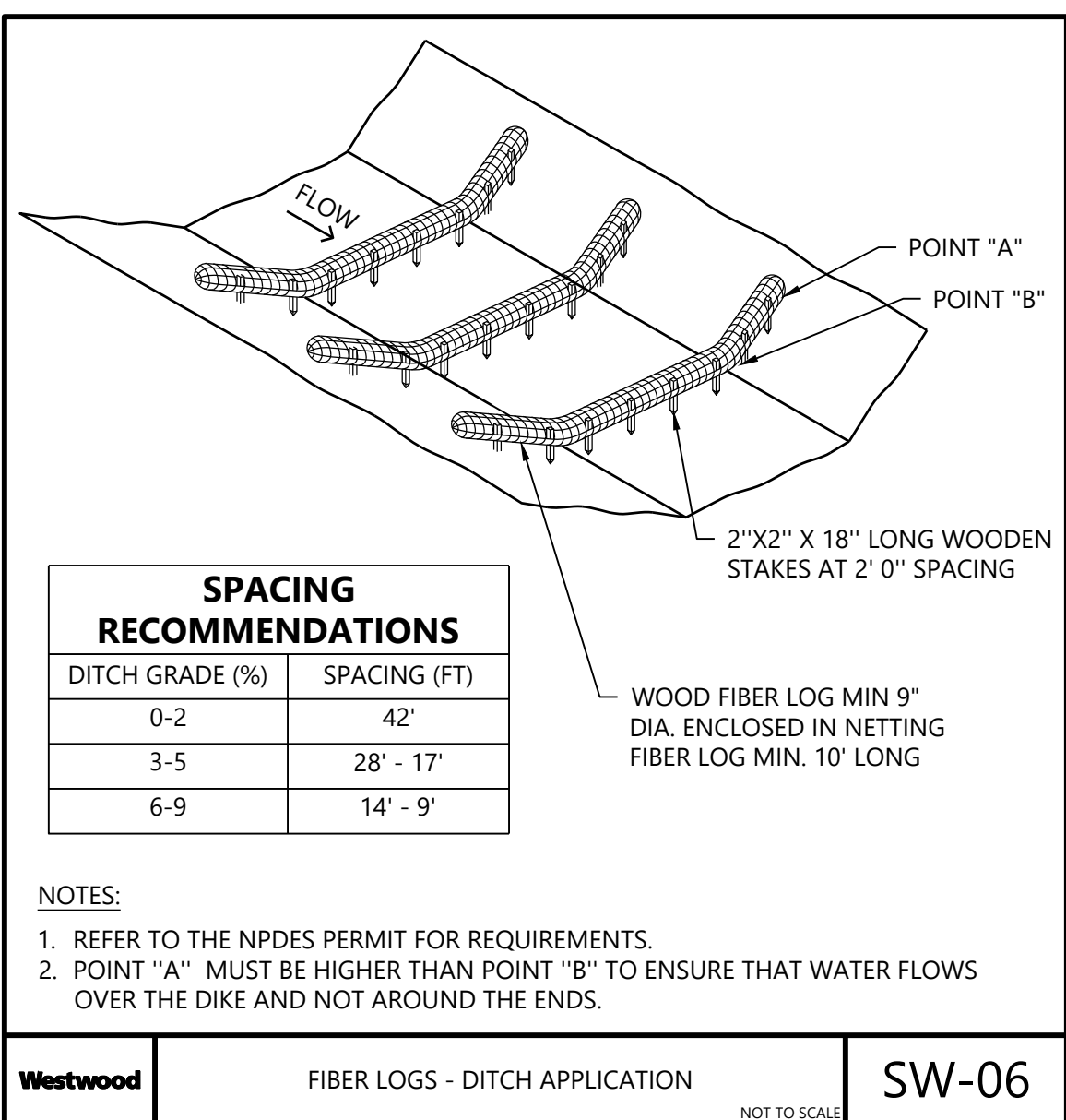
Westwood	FIBER LOGS - SLOPE APPLICATION	SW-05
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Westwood	SLOPE ROUGHENING WITH TRACKED MACHINERY	SW-03
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Westwood	SLOPE STABILIZATION - HYDRAULICALLY APPLIED MATERIAL	SW-04
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Westwood	FIBER LOGS - DITCH APPLICATION	SW-06
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Coles Wind Project

Coles County, Illinois

Construction Details - 8

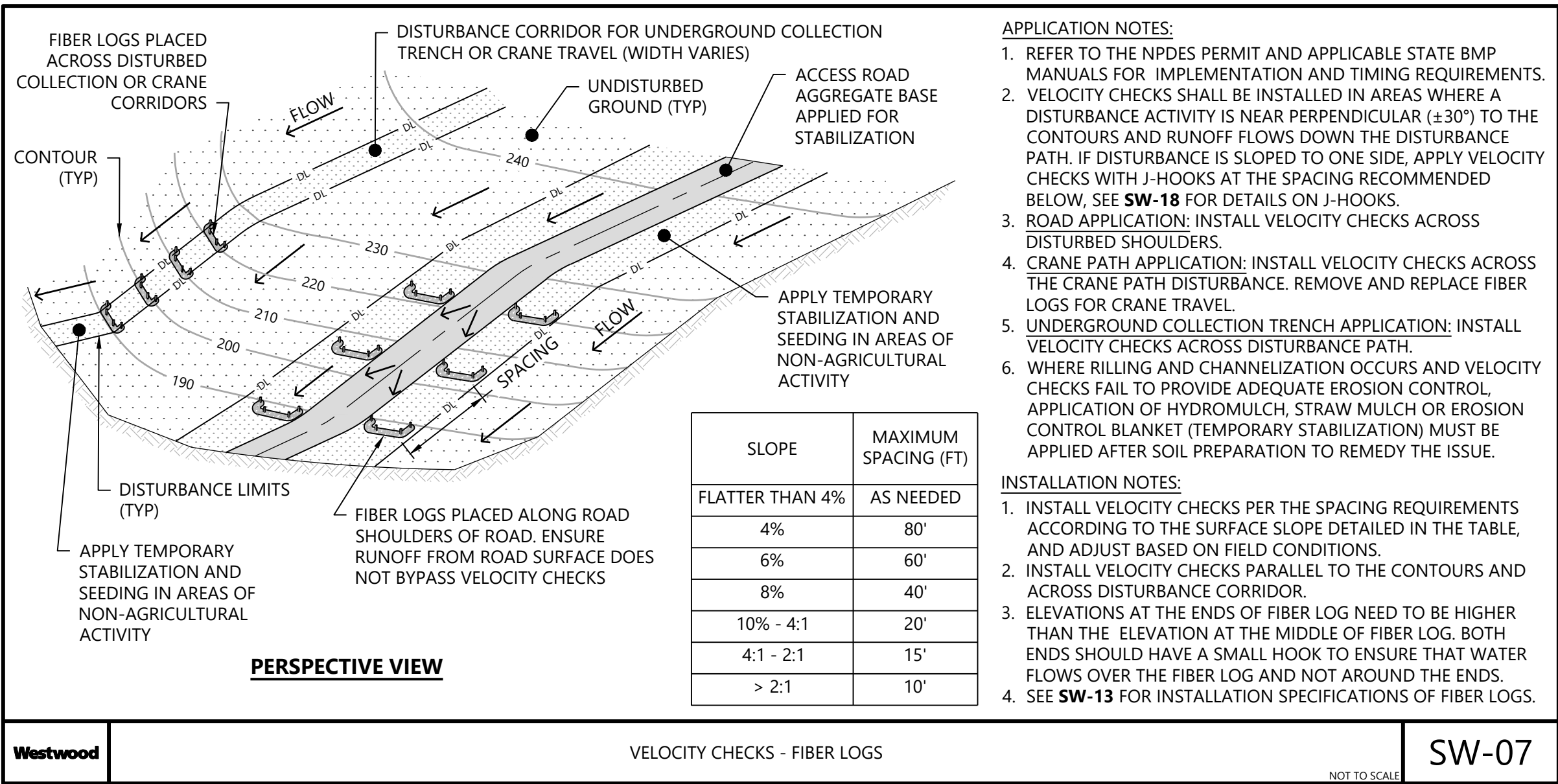
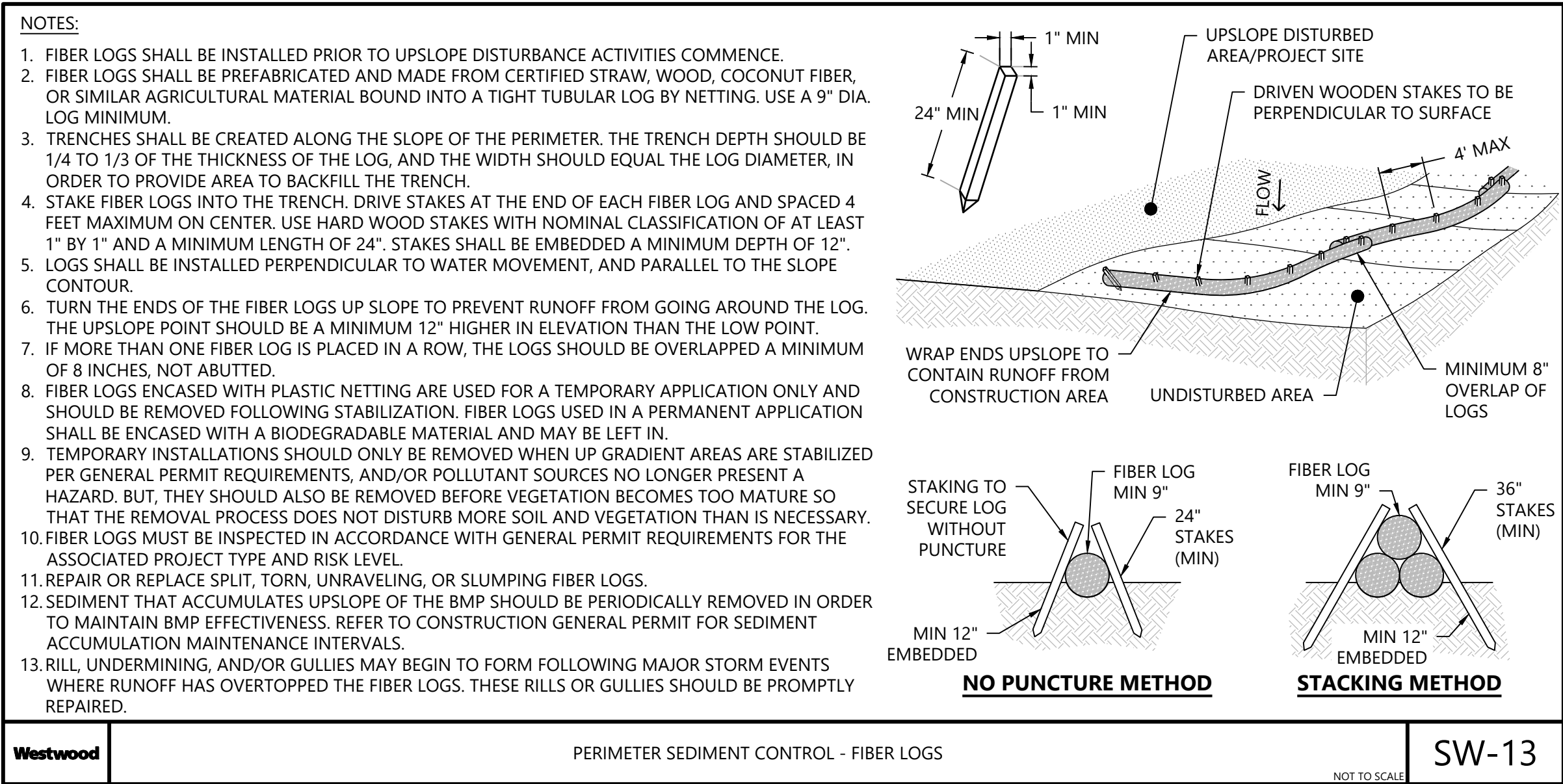
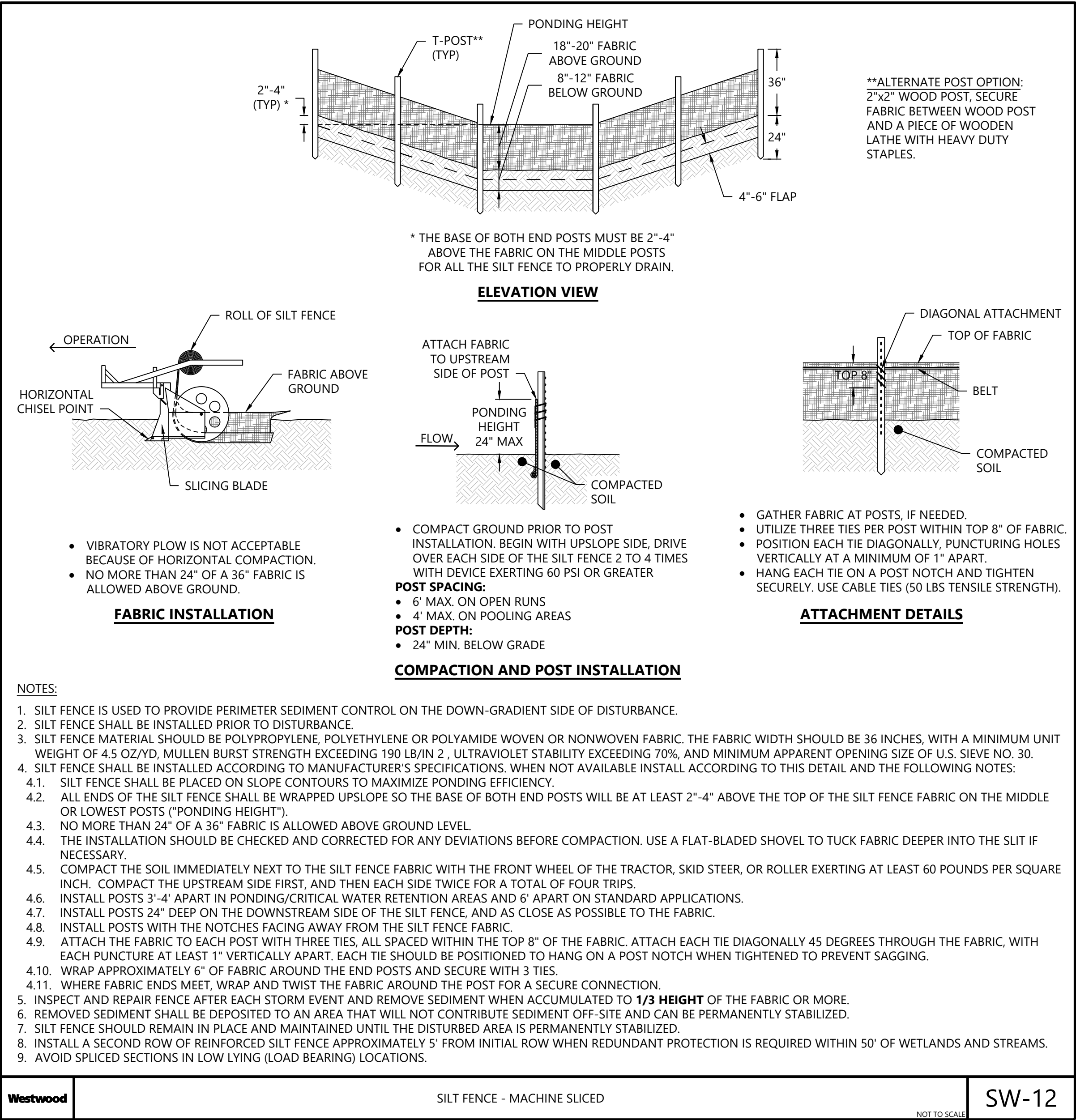
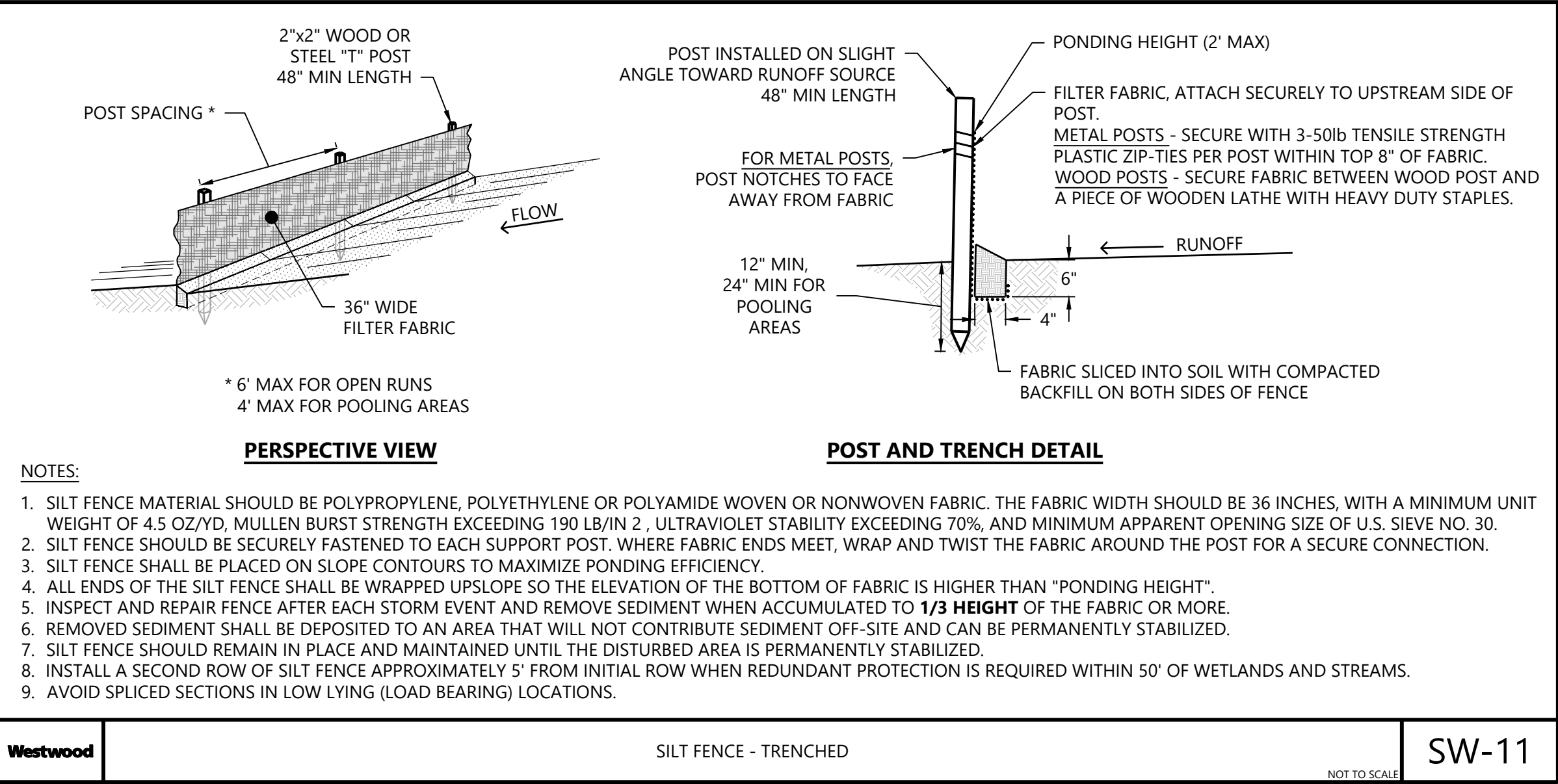
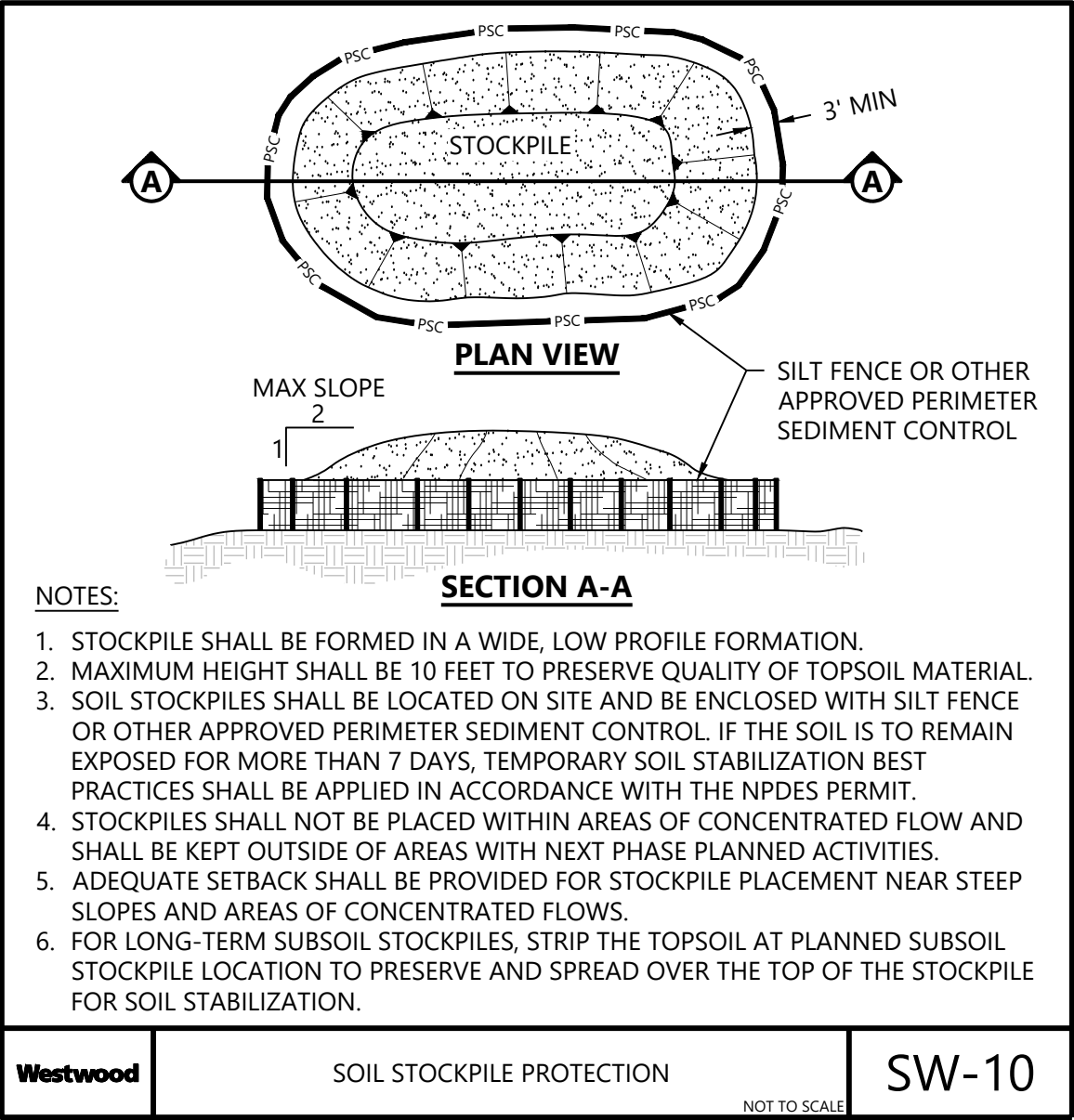
ISSUED FOR CONSTRUCTION

DATE: 08/15/2025

SHEET: C707

REV: 3

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PREPARED FOR:



120 Garrett St Suite 700
Charlottesville, VA 22902

REVISIONS:

#	DATE	COMMENT	BY	CHK	APR
0	07/25/2025	ISSUED FOR CONSTRUCTION	SL	GN	PM
1	07/29/2025	UPDATED ACCESS ROAD T-39/45	SL	GN	PM
2	08/08/2025	UPDATED TURBINE T-39/47	DM	GN	PM
3	08/15/2025	DFP REVISION	GN	PM	GN

Coles Wind Project

Coles County, Illinois

Construction Details - 9

ISSUED FOR CONSTRUCTION

DATE: 08/15/2025

SHEET: C708

REV:

3



8/15/25
Paige Mortenson
CWP: 11130125

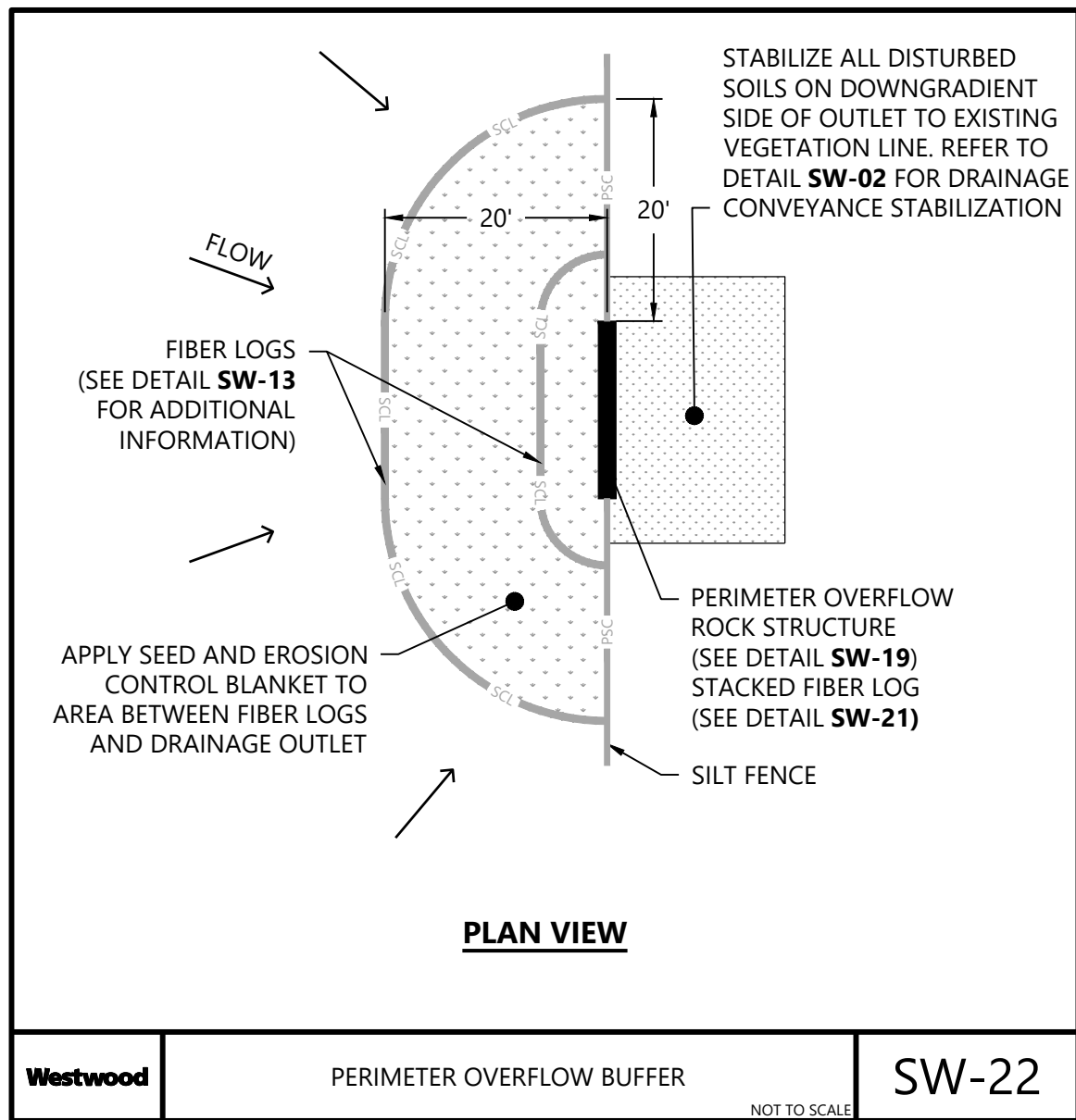
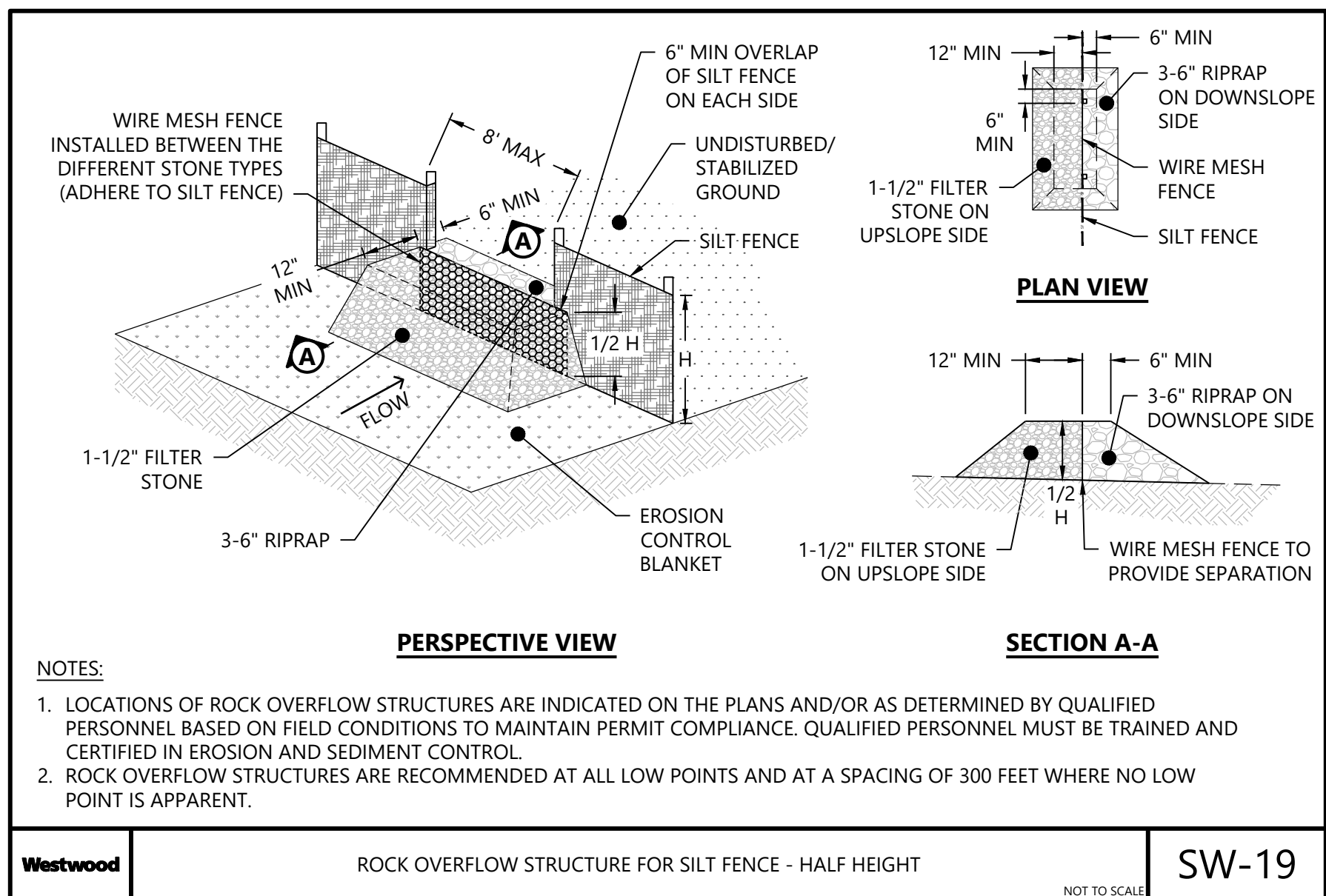
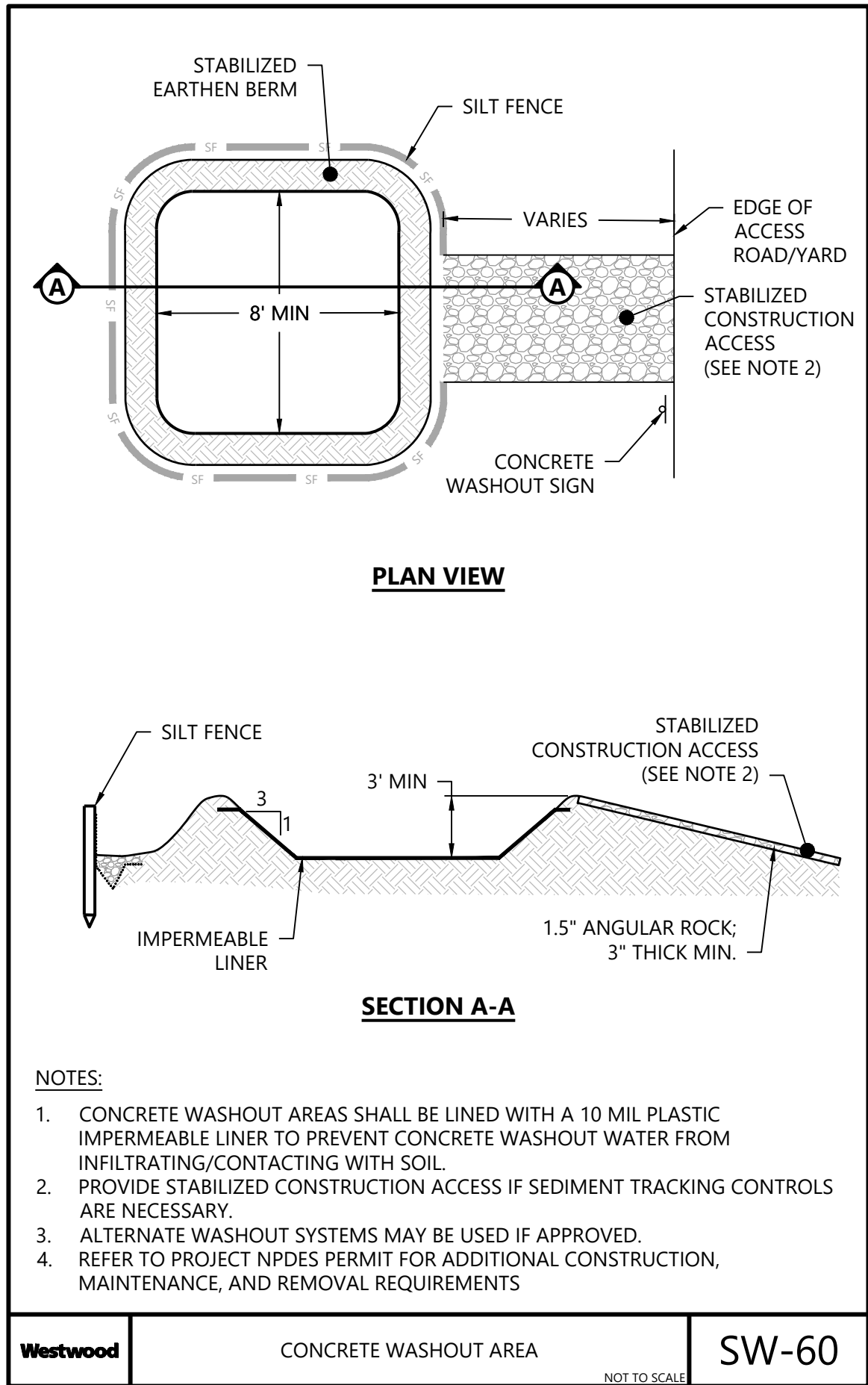
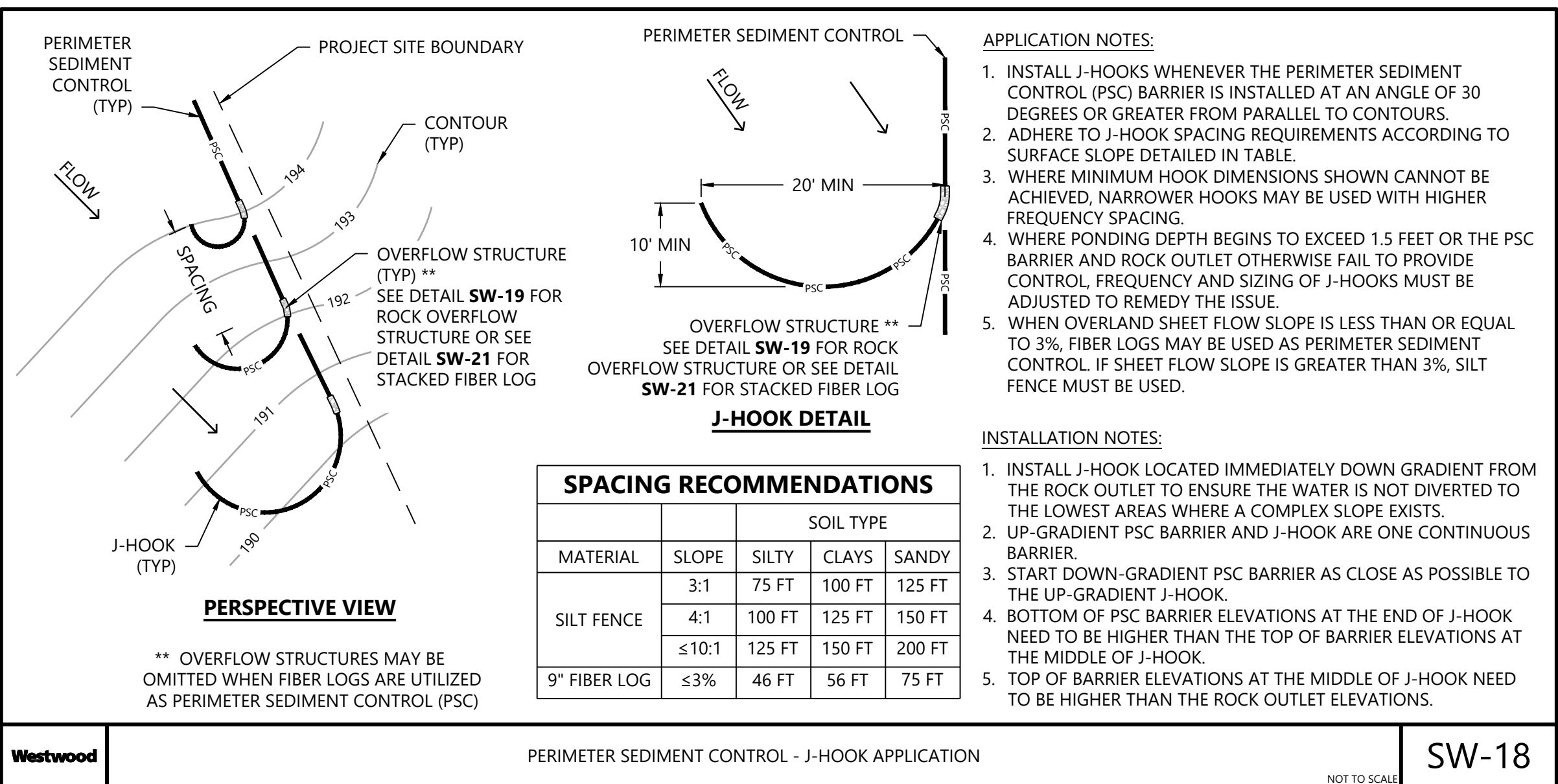
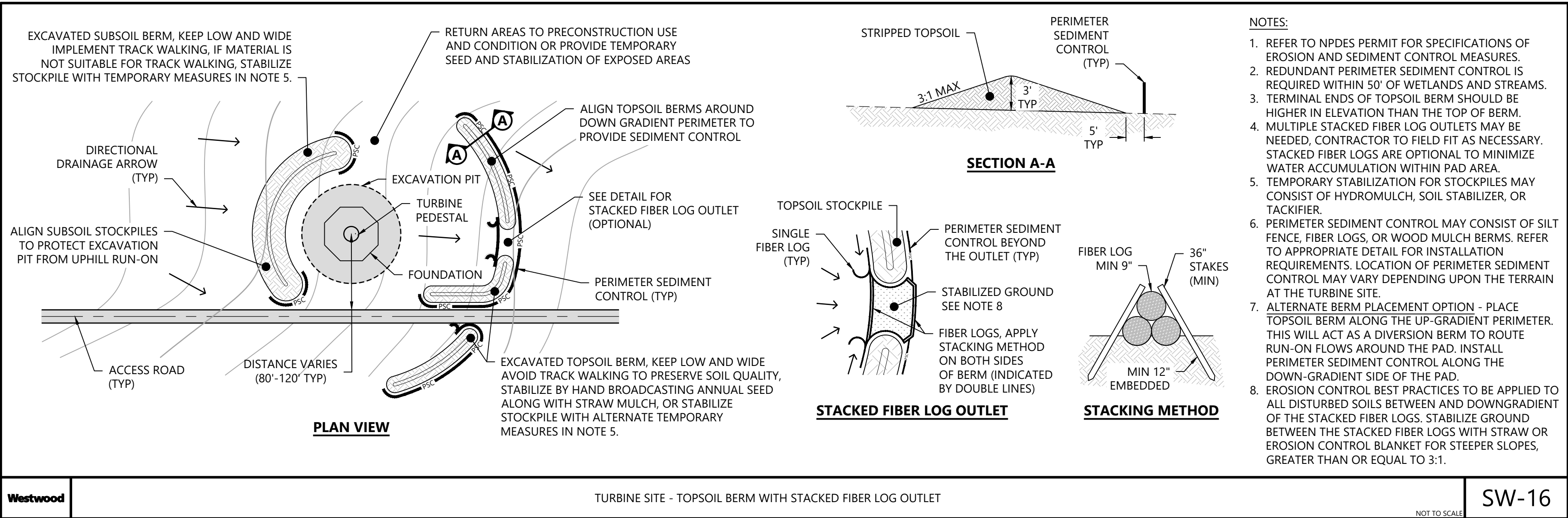
PREPARED FOR:



120 Garrett St Suite 700
Charlottesville, VA 22902

REVISIONS:

#	DATE	COMMENT	BY	CHK	APR
0	07/25/2025	ISSUED FOR CONSTRUCTION	SL	GN	PM
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3	08/15/2025	DFP REVISION	GN	PM	GN



Coles Wind Project

Coles County, Illinois

Construction Details - 10

ISSUED FOR CONSTRUCTION

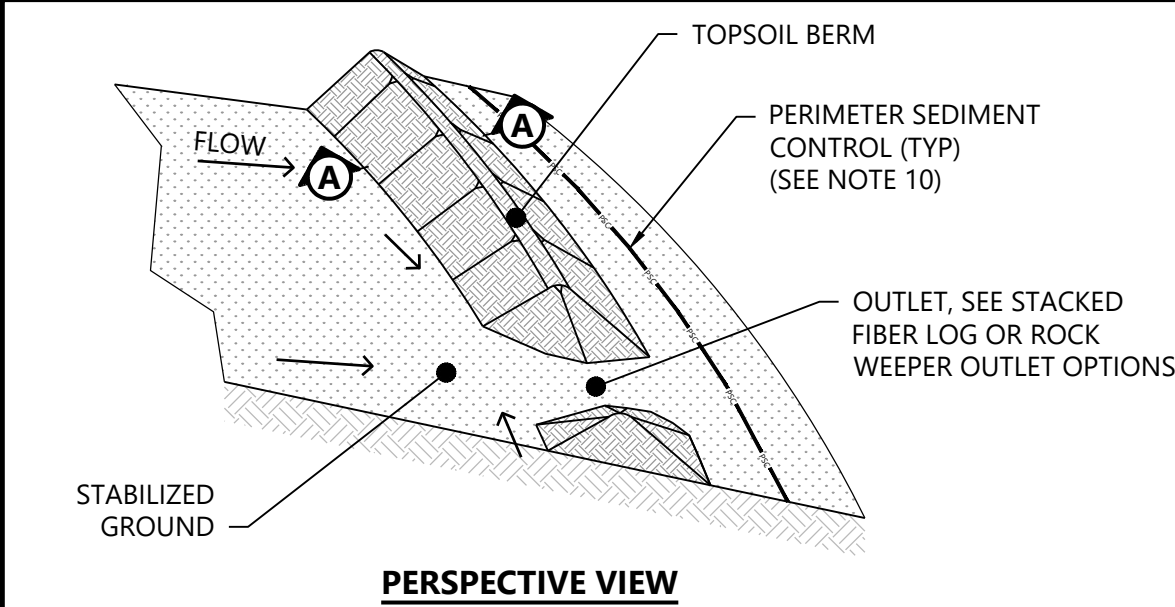
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SHEET: C709

REV:

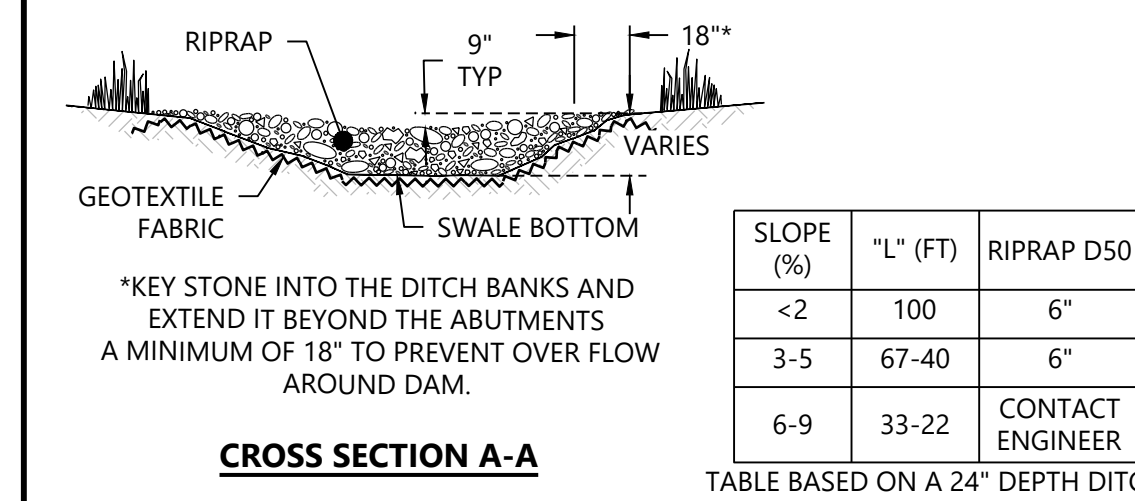
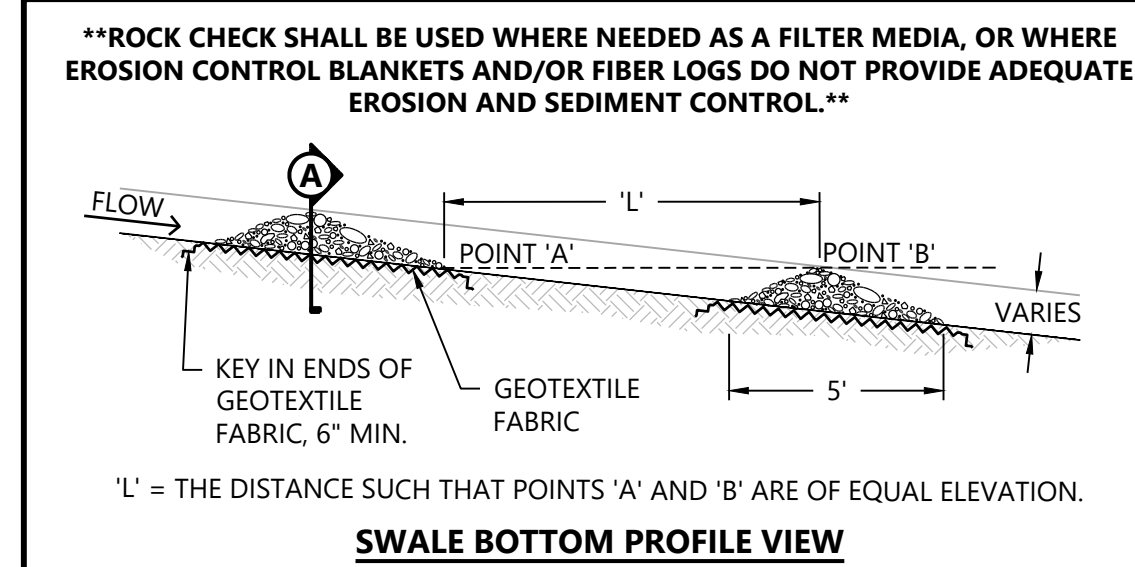
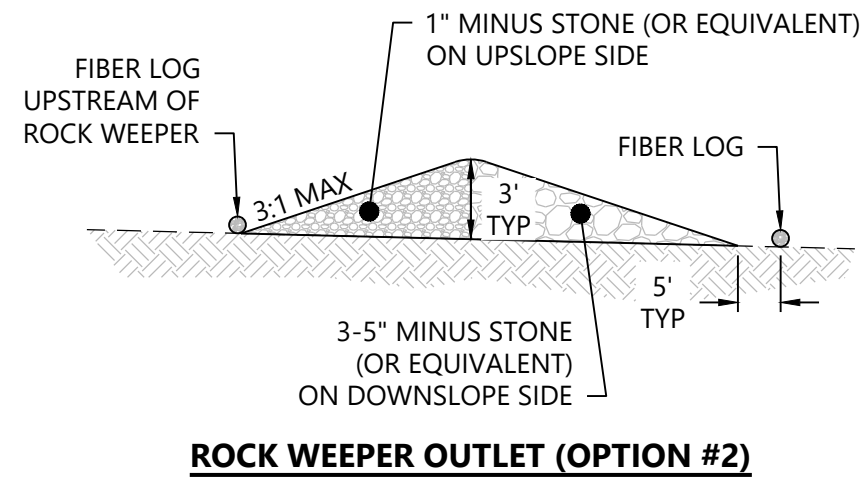
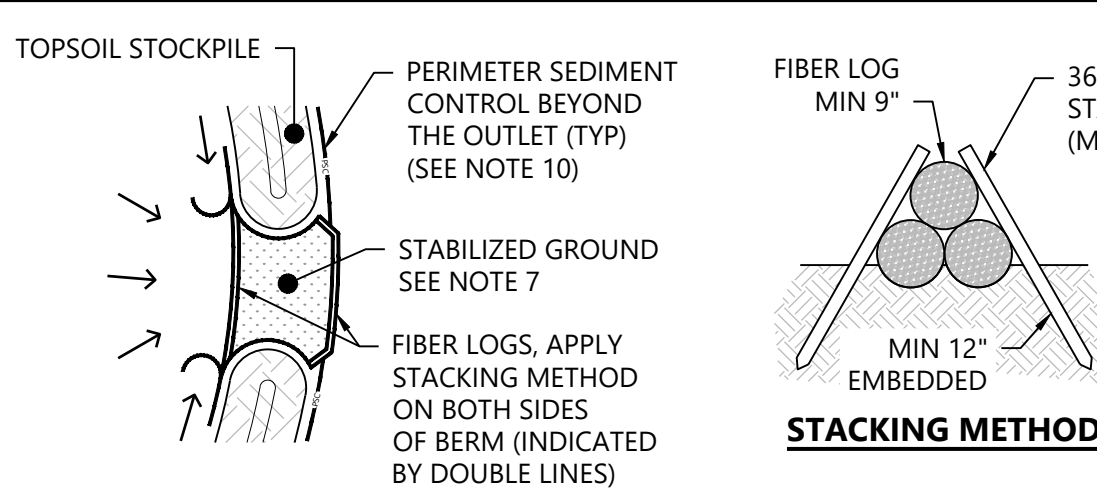
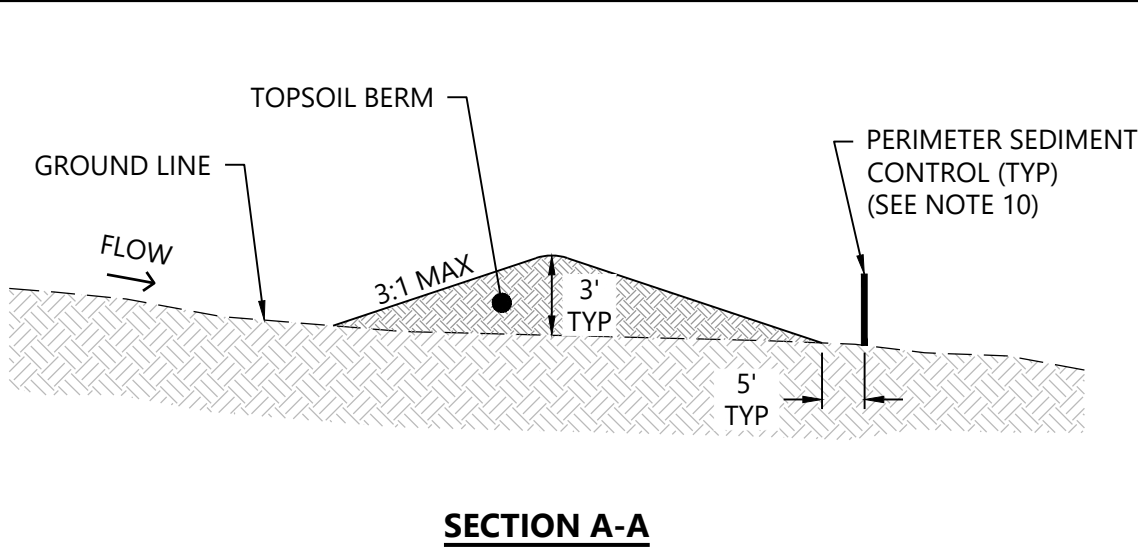
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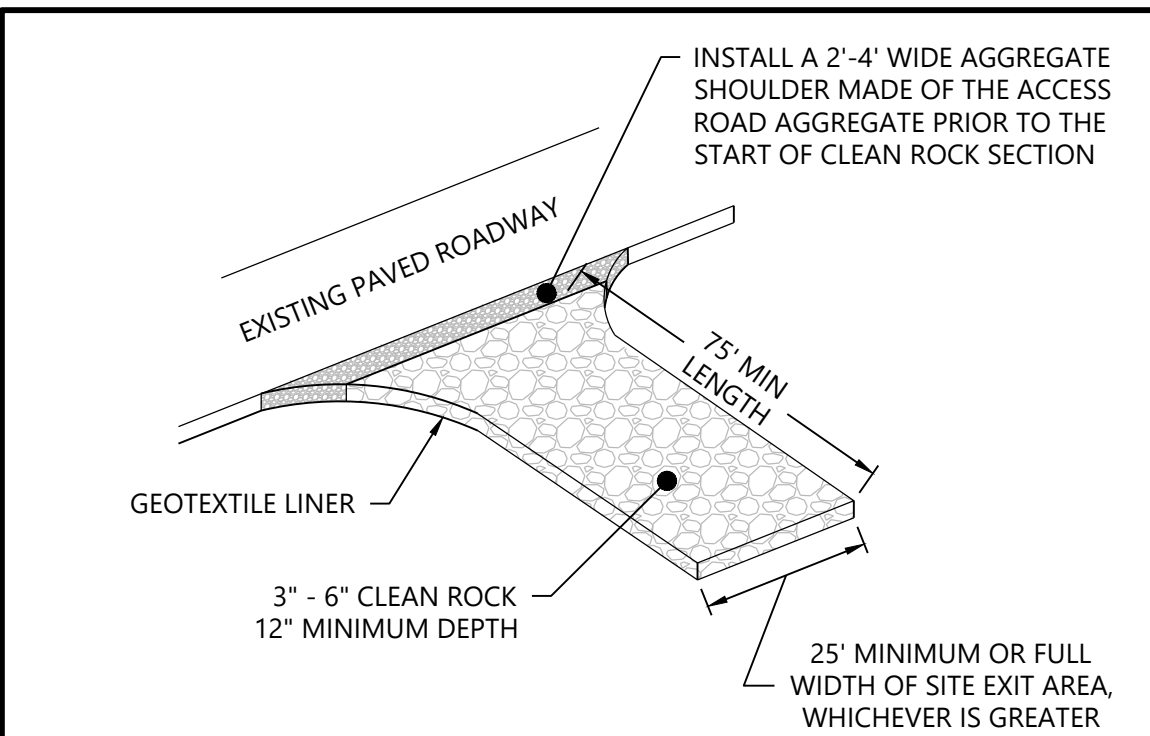


- NOTES:**
1. REFER TO NPDES PERMIT FOR SPECIFICATIONS OF EROSION AND SEDIMENT CONTROL MEASURES.
 2. REDUNDANT PERIMETER SEDIMENT CONTROL IS REQUIRED WITHIN 50' OF WETLANDS AND STREAMS.
 3. TERMINAL ENDS OF TOPSOIL BERM SHOULD BE HIGHER IN ELEVATION THAN THE TOP OF BERM.
 4. MULTIPLE OUTLETS MAY BE NEEDED, CONTRACTOR TO FIELD FIT AS NECESSARY. OUTLETS ARE OPTIONAL TO MINIMIZE WATER ACCUMULATION ALONG THE TOPSOIL BERM.
 5. TEMPORARY STABILIZATION FOR STOCKPILES MAY CONSIST OF HYDROMULCH, SOIL STABILIZER, OR TACKIFIER.
 6. PERIMETER SEDIMENT CONTROL MAY CONSIST OF SILT FENCE, FIBER LOGS, OR WOOD MULCH BERMS. REFER TO APPROPRIATE DETAIL FOR INSTALLATION REQUIREMENTS.
 7. EROSION CONTROL BEST PRACTICES TO BE APPLIED TO ALL DISTURBED SOILS BETWEEN AND DOWNGRADIENT OF THE STACKED FIBER LOGS. STABILIZE GROUND BETWEEN THE STACKED FIBER LOGS WITH STRAW OR EROSION CONTROL BLANKET FOR STEEPER SLOPES, GREATER THAN OR EQUAL TO 3:1.
 8. IF LOCATED NEAR THE TOE OF A STEEP SLOPE, PLACE TOPSOIL BERM ALONG DOWNSTREAM SIDE AT LEAST 5 TO 7 FEET AWAY FROM THE TOE TO IMPOUND STORMWATER RUNOFF. IF LOCATED AT THE TOP OF A Ravine OR POND AREA, PLACE TOPSOIL BERM ALONG UPSTREAM EDGE AT 3 FEET AWAY FROM GRADE DROP-OFF TO ALLOW FOR SLUMPING OVER TIME.
 9. AFTER COMPLETION OF THE MASS GRADING EFFORT, TOPSOIL BERM MAY BE RESPREAD AND UTILIZED IN AREAS DESIGNATED FOR VEGETATIVE GROWTH TO HELP ACHIEVE STABILIZATION.
 10. IF TOPSOIL BERM IS IMMEDIATELY STABILIZED, ADDITIONAL PERIMETER SEDIMENT CONTROL MAY NOT BE NEEDED ON DOWNSTREAM SIDE.

Westwood TOPSOIL BERM - PERIMETER SEDIMENT CONTROL **SW-29**

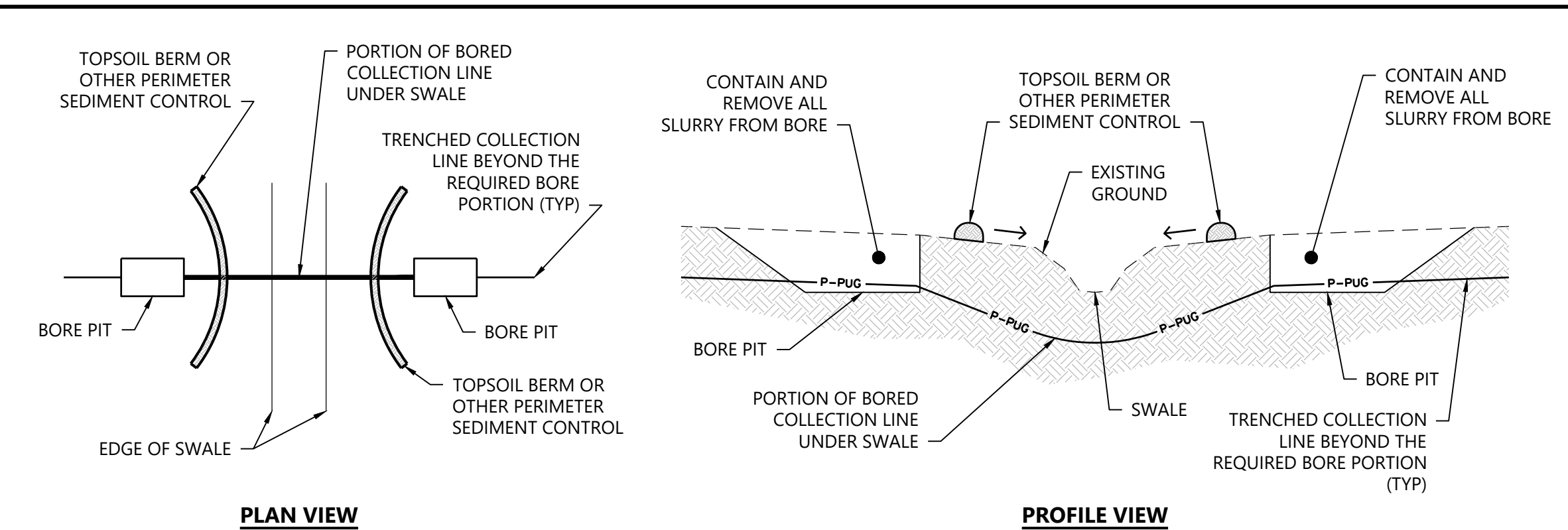


Westwood TEMPORARY ROCK CHECK DAM **SW-31**



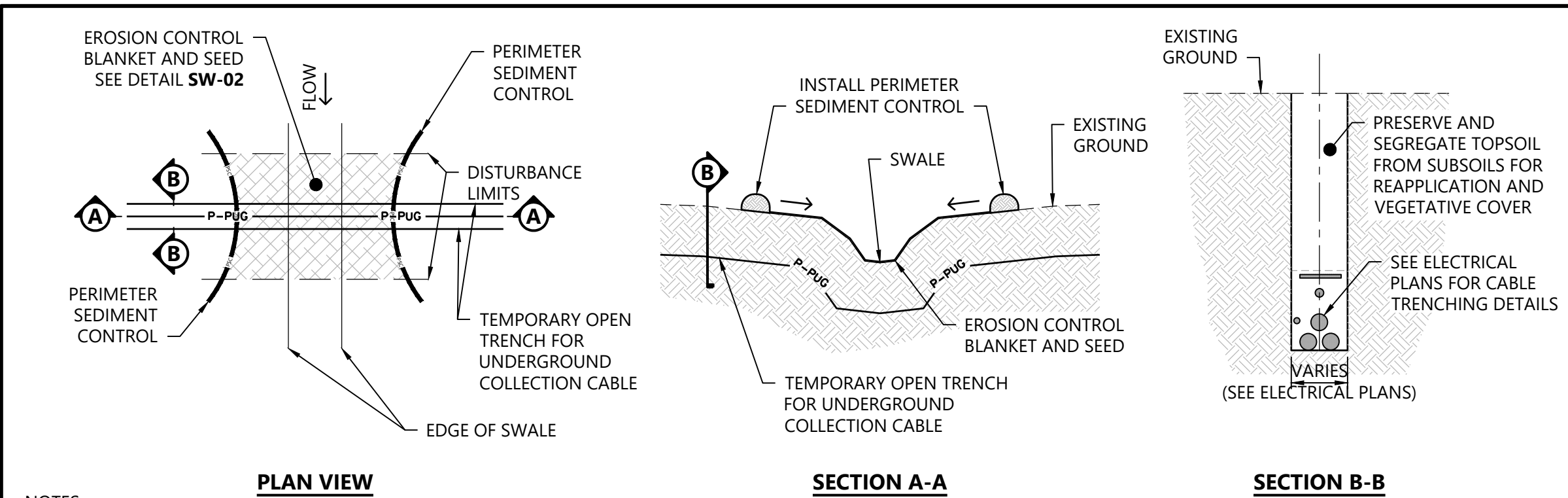
- NOTES:**
1. IF SEDIMENT TRACKING IS OBSERVED ON EXISTING PAVED ROADWAY, THE CONTRACTOR SHALL SCRAPE AND SWEEP THE SURFACE WITH A PICKUP BROOM ATTACHMENT OR VEHICLE.
 2. REGULAR INSPECTION AND MAINTENANCE SHALL BE PERFORMED OVER LIFE OF USE.
 3. LENGTH MAY NEED TO BE EXTENDED AS NECESSARY TO IMPROVE PERFORMANCE.
 4. CLEAN ROCK MATERIAL SHALL BE SET BACK 2'-4" FROM THE EXISTING PAVED ROAD TO PROTECT INTEGRITY OF THE PAVEMENT.
 5. CONTRACTOR SHALL REPAIR DAMAGE TO THE PUBLIC ROAD/SHOULDER IN THE IMMEDIATE VICINITY OF THE ROCK EXIT CAUSED BY CONSTRUCTION ACTIVITIES.

Westwood VEHICLE TRACKOUT CONTROL - ROCK EXIT **SW-40**



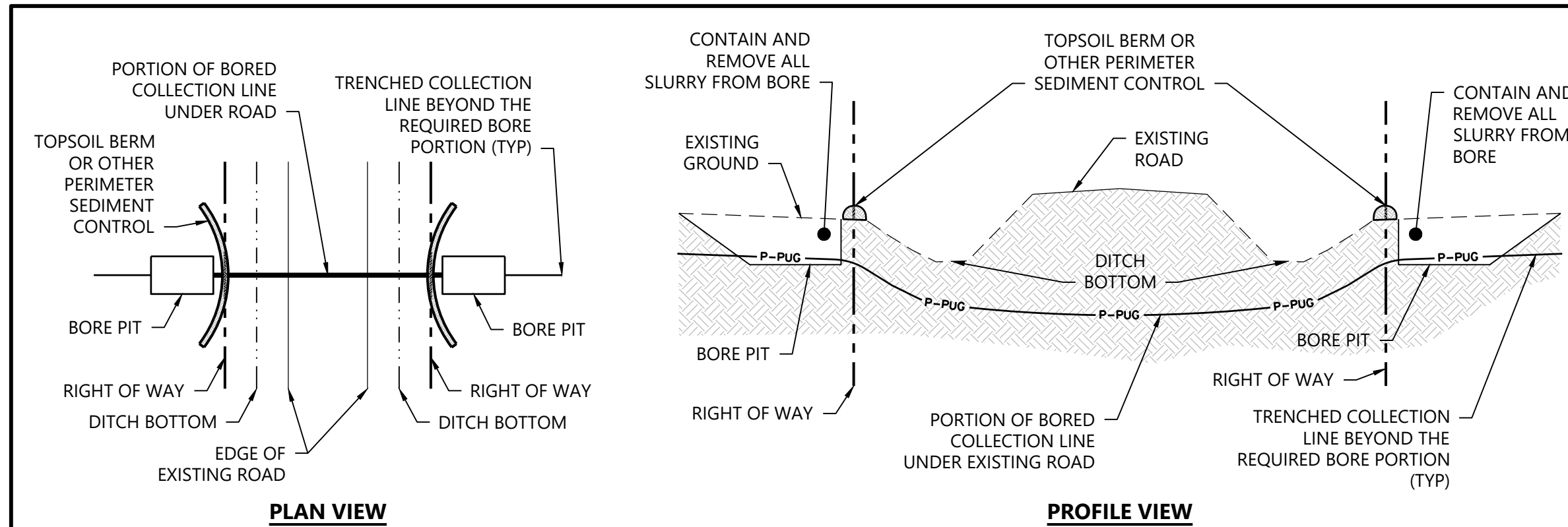
- NOTES:**
1. AVOID DISTURBANCE TO THE SWALE DURING CONSTRUCTION.
 2. REFER TO PROJECT SPCC PLAN FOR ADDITIONAL REQUIREMENTS.
 3. CONSTRUCT TOPSOIL BERM TO PROTECT EXISTING SWALE WHERE BORING WILL OCCUR FOR UNDERGROUND COLLECTION SYSTEM INSTALLATION.
 4. ADDITIONAL SOILS SHALL BE STOCKPILED ADJACENT TO THE BORE PIT AND PROTECTED WITH PERIMETER SEDIMENT CONTROL.
 5. ALTERNATE PERIMETER SEDIMENT CONTROLS MAY CONSIST OF SILT FENCE, FIBER LOGS, OR WOOD MULCH BERMS. REFER TO APPROPRIATE DETAILS FOR INSTALLATION REQUIREMENTS.
 6. REDUNDANT PERIMETER SEDIMENT CONTROLS ARE REQUIRED WITHIN 50' OF A WETLAND OR SURFACE WATER.
 7. UPON REMOVAL OF THE BORE PITS, THE DISTURBED AREAS SHALL BE RESTORED TO NATIVE CONDITIONS. REFER TO THE NPDES PERMIT.

Westwood POWER COLLECTION SYSTEM CROSSING OF EXISTING SWALE - BORE PIT **SW-65**



- NOTES:**
1. MINIMIZE DISTURBANCE TO THE SWALE DURING CONSTRUCTION.
 2. REFER TO PROJECT SPCC PLAN FOR ADDITIONAL REQUIREMENTS.
 3. SOILS SHALL BE STOCKPILED ADJACENT TO THE TRENCH, OUTSIDE OF THE SWALE AREA, AND PROTECTED WITH PERIMETER SEDIMENT CONTROL.
 4. PERIMETER SEDIMENT CONTROLS MAY CONSIST OF SILT FENCE, FIBER LOGS, WOOD MULCH BERMS, OR TOPSOIL BERMS. REFER TO DETAILS FOR INSTALLATION REQUIREMENTS.
 5. REDUNDANT PERIMETER SEDIMENT CONTROLS ARE REQUIRED WITHIN 50' OF A WETLAND OR SURFACE WATER.
 6. TRENCHING, CABLING, BACKFILL OF TRENCH, AND PLACEMENT OF EROSION CONTROL BLANKET AND SEED SHALL BE SAME DAY WITHIN CHANNEL FROM TOP OF BANK TO TOP OF BANK.
 7. CONTRACTOR SHALL SCHEDULE OPEN TRENCHING DURING DRY CONDITIONS AND FORECASTED DRY PERIOD. EROSION AND SEDIMENT CONTROL BMPS MUST BE STOCKPILED ON SITE AND AVAILABLE FOR APPLICATION UPON WORK STARTING.
 8. THE DISTURBED AREAS SHALL BE RESTORED TO NATIVE CONDITIONS. REFER TO THE NPDES PERMIT.

Westwood POWER COLLECTION SYSTEM CROSSING OF EXISTING SWALE - OPEN TRENCH **SW-66**



- NOTES:**
1. AVOID DISTURBANCE WITHIN THE RIGHT OF WAY, DITCH AND EXISTING ROAD AREAS.
 2. REFER TO PROJECT SPCC PLAN FOR ADDITIONAL REQUIREMENTS.
 3. CONSTRUCT TOPSOIL BERM TO PROTECT EXISTING SWALE WHERE BORING WILL OCCUR FOR UNDERGROUND COLLECTION SYSTEM INSTALLATION.
 4. ADDITIONAL SOILS SHALL BE STOCKPILED ADJACENT TO THE BORE PIT AND PROTECTED WITH PERIMETER SEDIMENT CONTROL.
 5. ALTERNATE PERIMETER SEDIMENT CONTROLS MAY CONSIST OF SILT FENCE, FIBER LOGS, OR WOOD MULCH BERMS. REFER TO APPROPRIATE DETAILS FOR INSTALLATION REQUIREMENTS.
 6. REDUNDANT PERIMETER SEDIMENT CONTROLS ARE REQUIRED WITHIN 50' OF A WETLAND OR SURFACE WATER.
 7. UPON REMOVAL OF THE BORE PITS, THE DISTURBED AREAS SHALL BE RESTORED TO NATIVE CONDITIONS. REFER TO THE NPDES PERMIT.

Westwood POWER COLLECTION SYSTEM CROSSING OF EXISTING ROAD - BORE PIT **SW-67**

Westwood

Phone (214) 473-4640 2901 Dallas Parkway, Suite 400
Toll Free (888) 937-5150 Plano, TX 75093
westwoodps.com

Westwood Professional Services, Inc.



PAIGE R. MORTENSON
062-077157
8/15/25
Paige Mortenson
CPE: 11130125

PREPARED FOR:



120 Garrett St Suite 700
Charlottesville, VA 22902

REVISIONS:

#	DATE	COMMENT	BY	CHK	APP
0	07/25/2025	ISSUED FOR CONSTRUCTION	SL	GN	PM
1	07/29/2025	UPDATED ACCESS ROAD T-39/45	SL	GN	PM
2	08/08/2025	UPDATED TURBINE T-39/47	DM	GN	PM
3	08/15/2025	DFP REVISION	GN	PM	GN

Coles Wind Project
Coles County, Illinois

Construction Details - 11

ISSUED FOR CONSTRUCTION

DATE: 08/15/2025

SHEET: C710

REV: 3



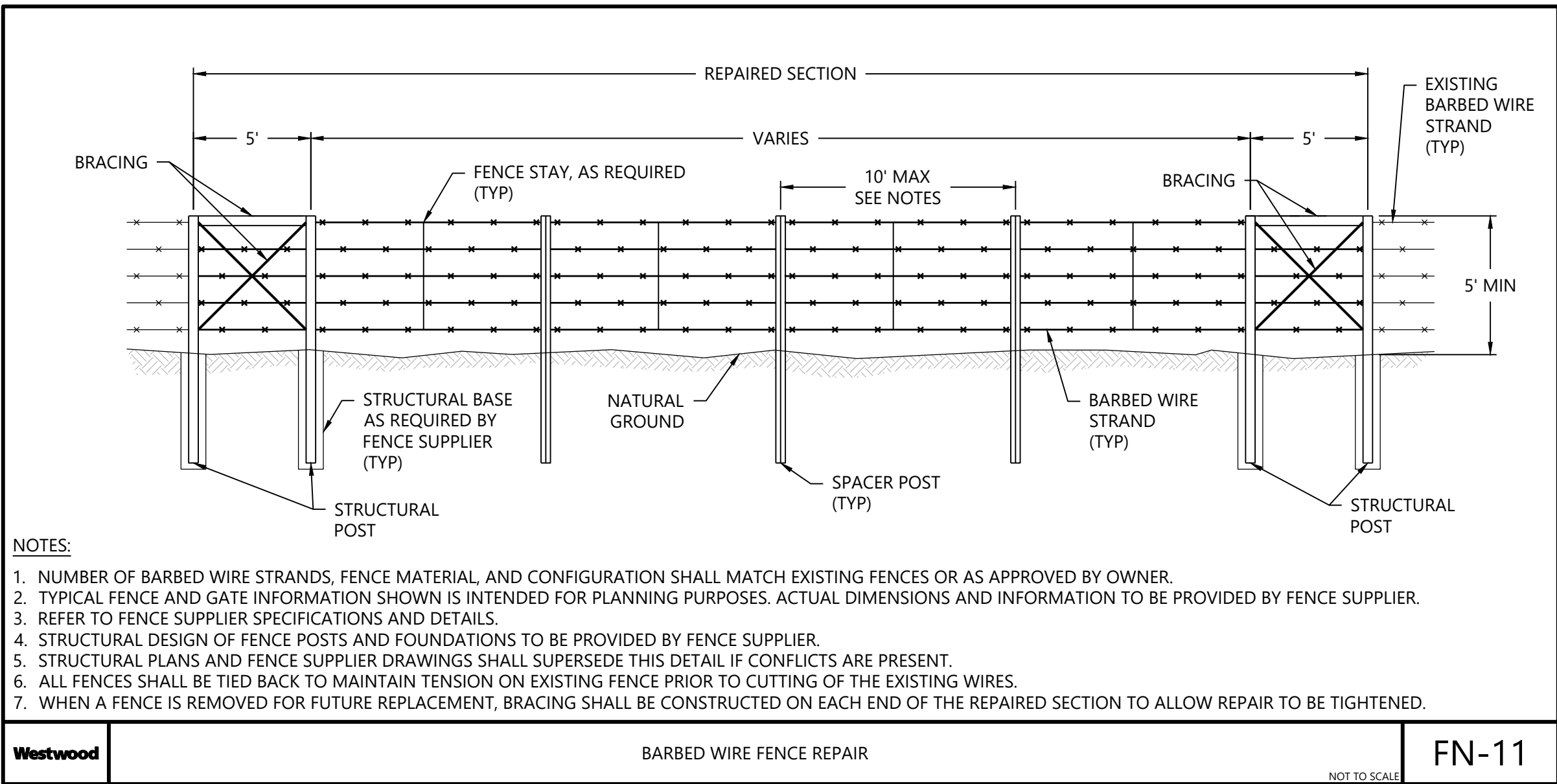
PREPARED FOR:



120 Garrett St Suite 700
Charlottesville, VA 22902

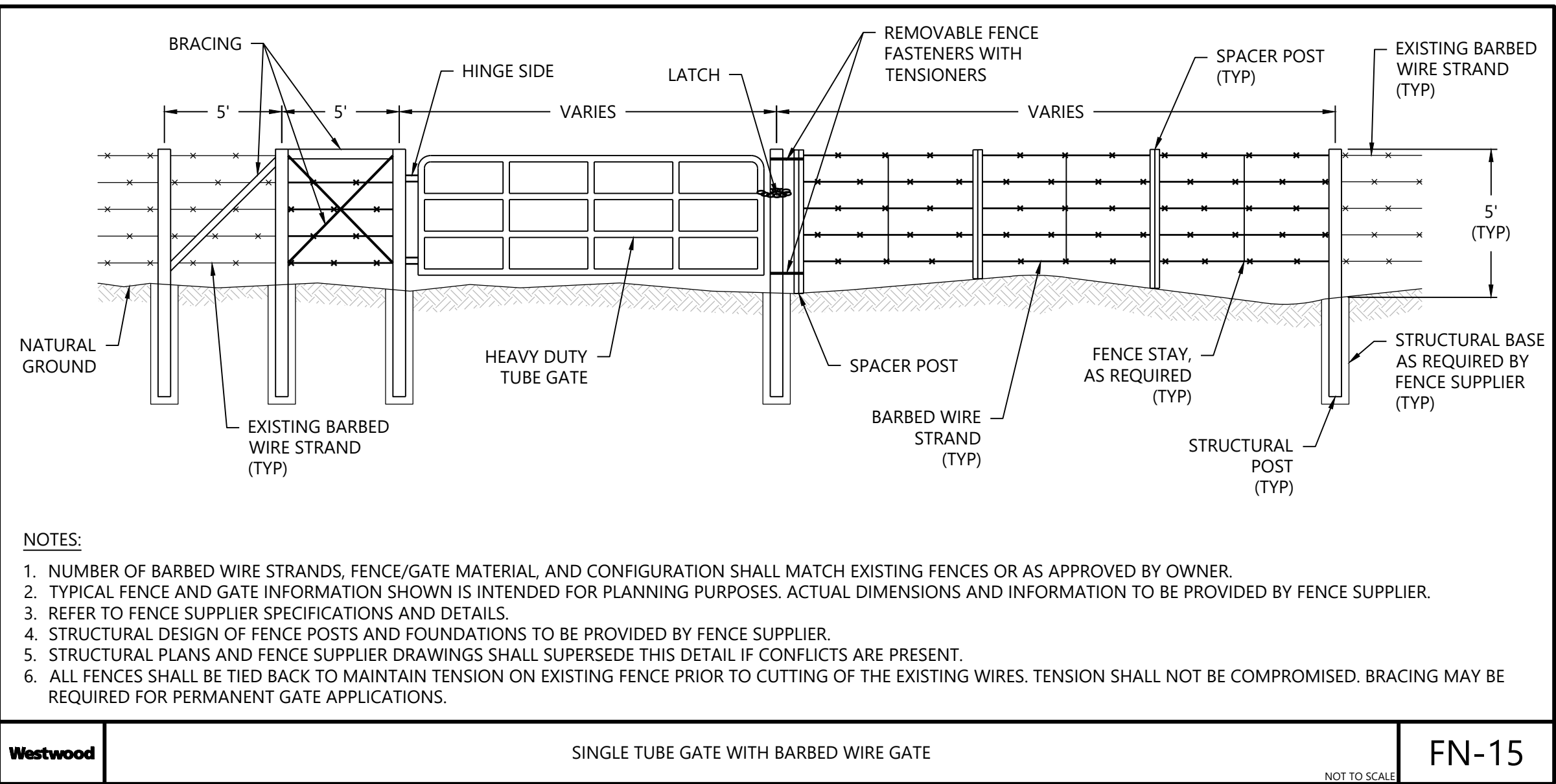
REVISIONS:

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1	07/29/2025	UPDATED ACCESS ROAD T-39/45	SL	GN	PM
2	08/08/2025	UPDATED TURBINE T-39/47	DM	GN	PM
3	08/15/2025	DFP REVISION	GN	PM	GN



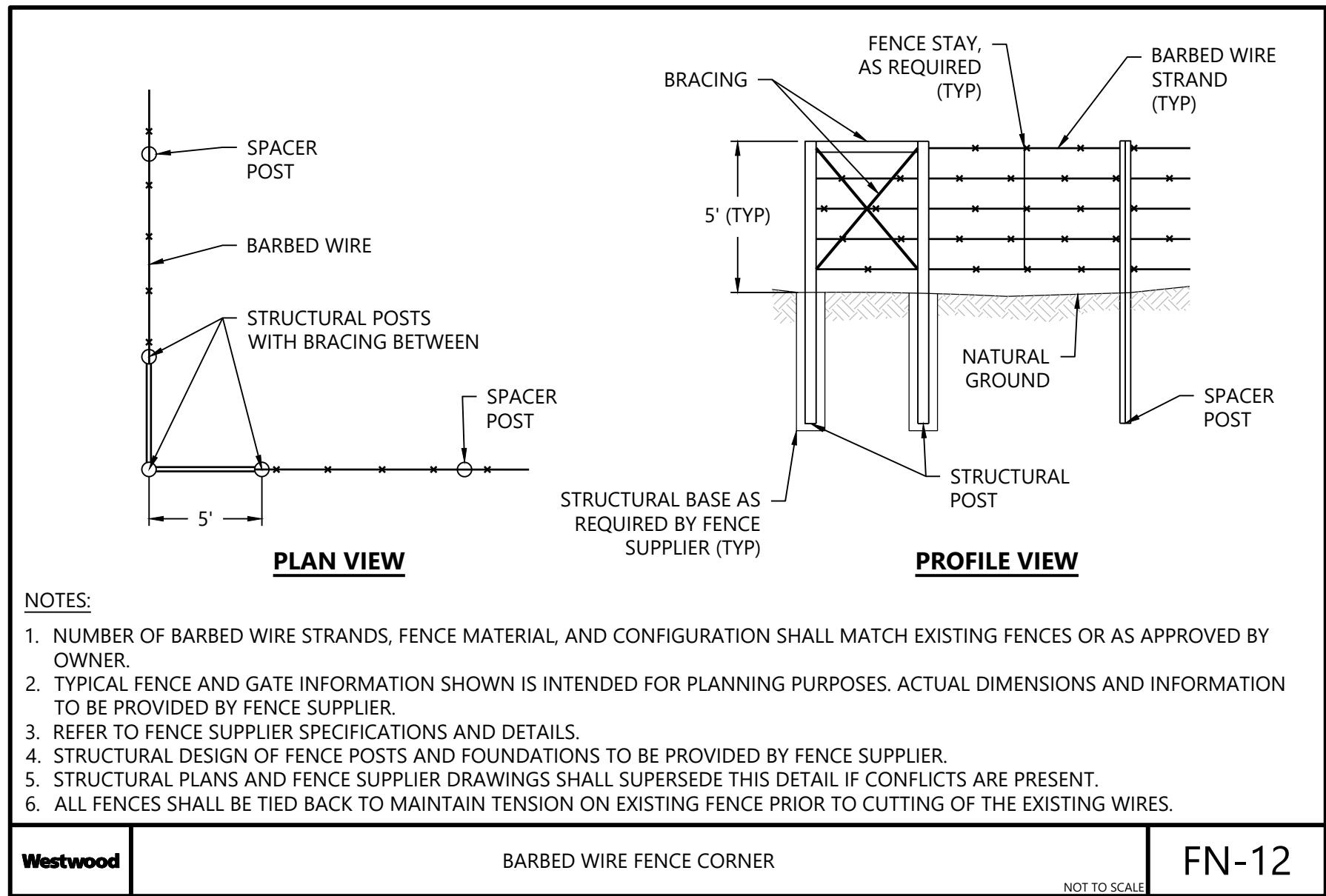
- NOTES:
1. NUMBER OF BARBED WIRE STRANDS, FENCE MATERIAL, AND CONFIGURATION SHALL MATCH EXISTING FENCES OR AS APPROVED BY OWNER.
 2. TYPICAL FENCE AND GATE INFORMATION SHOWN IS INTENDED FOR PLANNING PURPOSES. ACTUAL DIMENSIONS AND INFORMATION TO BE PROVIDED BY FENCE SUPPLIER.
 3. REFER TO FENCE SUPPLIER SPECIFICATIONS AND DETAILS.
 4. STRUCTURAL DESIGN OF FENCE POSTS AND FOUNDATIONS TO BE PROVIDED BY FENCE SUPPLIER.
 5. STRUCTURAL PLANS AND FENCE SUPPLIER DRAWINGS SHALL SUPERSEDE THIS DETAIL IF CONFLICTS ARE PRESENT.
 6. ALL FENCES SHALL BE TIED BACK TO MAINTAIN TENSION ON EXISTING FENCE PRIOR TO CUTTING OF THE EXISTING WIRES.
 7. WHEN A FENCE IS REMOVED FOR FUTURE REPLACEMENT, BRACING SHALL BE CONSTRUCTED ON EACH END OF THE REPAIRED SECTION TO ALLOW REPAIR TO BE TIGHTENED.

Westwood BARBED WIRE FENCE REPAIR NOT TO SCALE FN-11



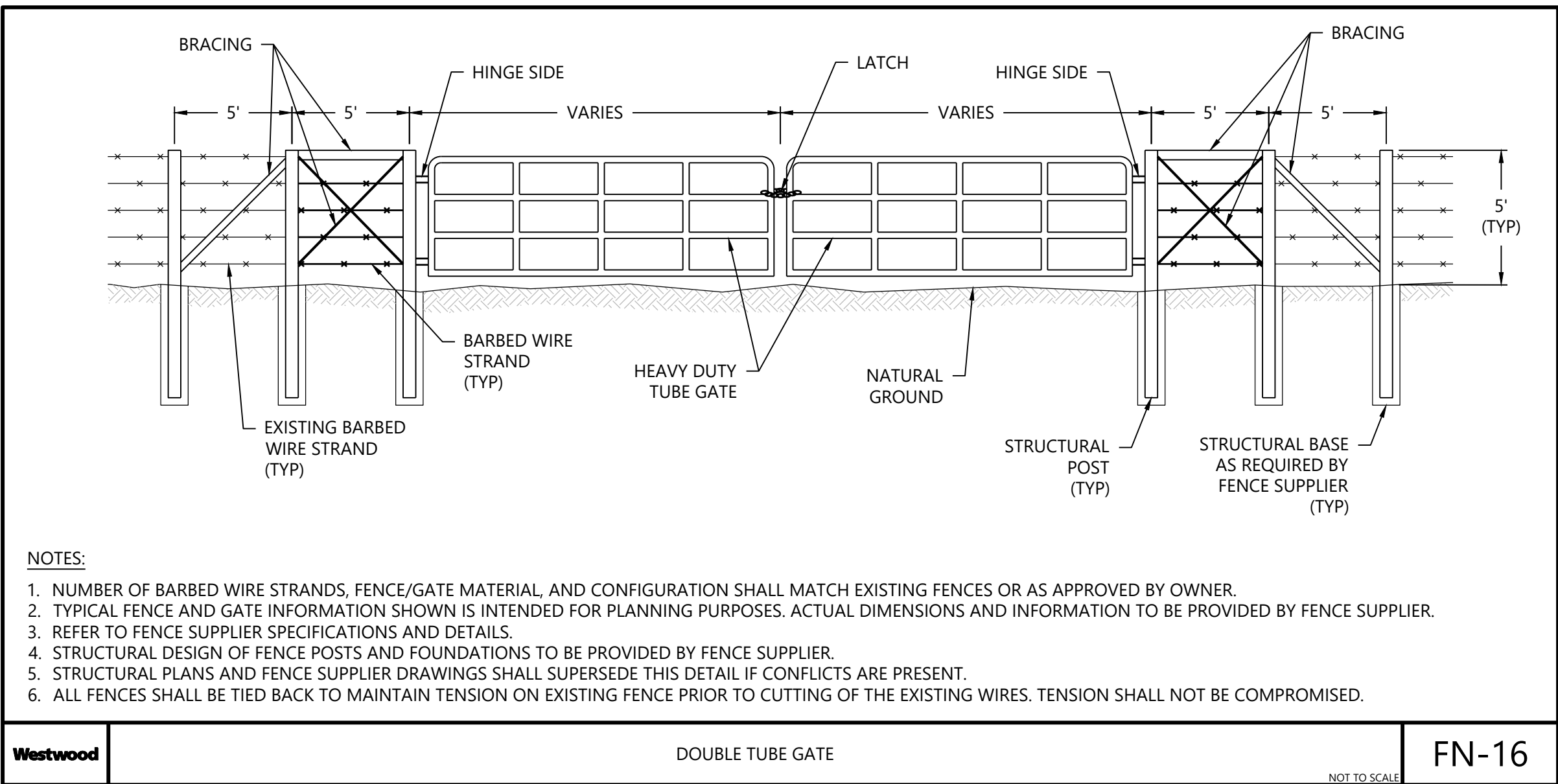
- NOTES:
1. NUMBER OF BARBED WIRE STRANDS, FENCE/GATE MATERIAL, AND CONFIGURATION SHALL MATCH EXISTING FENCES OR AS APPROVED BY OWNER.
 2. TYPICAL FENCE AND GATE INFORMATION SHOWN IS INTENDED FOR PLANNING PURPOSES. ACTUAL DIMENSIONS AND INFORMATION TO BE PROVIDED BY FENCE SUPPLIER.
 3. REFER TO FENCE SUPPLIER SPECIFICATIONS AND DETAILS.
 4. STRUCTURAL DESIGN OF FENCE POSTS AND FOUNDATIONS TO BE PROVIDED BY FENCE SUPPLIER.
 5. STRUCTURAL PLANS AND FENCE SUPPLIER DRAWINGS SHALL SUPERSEDE THIS DETAIL IF CONFLICTS ARE PRESENT.
 6. ALL FENCES SHALL BE TIED BACK TO MAINTAIN TENSION ON EXISTING FENCE PRIOR TO CUTTING OF THE EXISTING WIRES. TENSION SHALL NOT BE COMPROMISED. BRACING MAY BE REQUIRED FOR PERMANENT GATE APPLICATIONS.

Westwood SINGLE TUBE GATE WITH BARBED WIRE GATE NOT TO SCALE FN-15



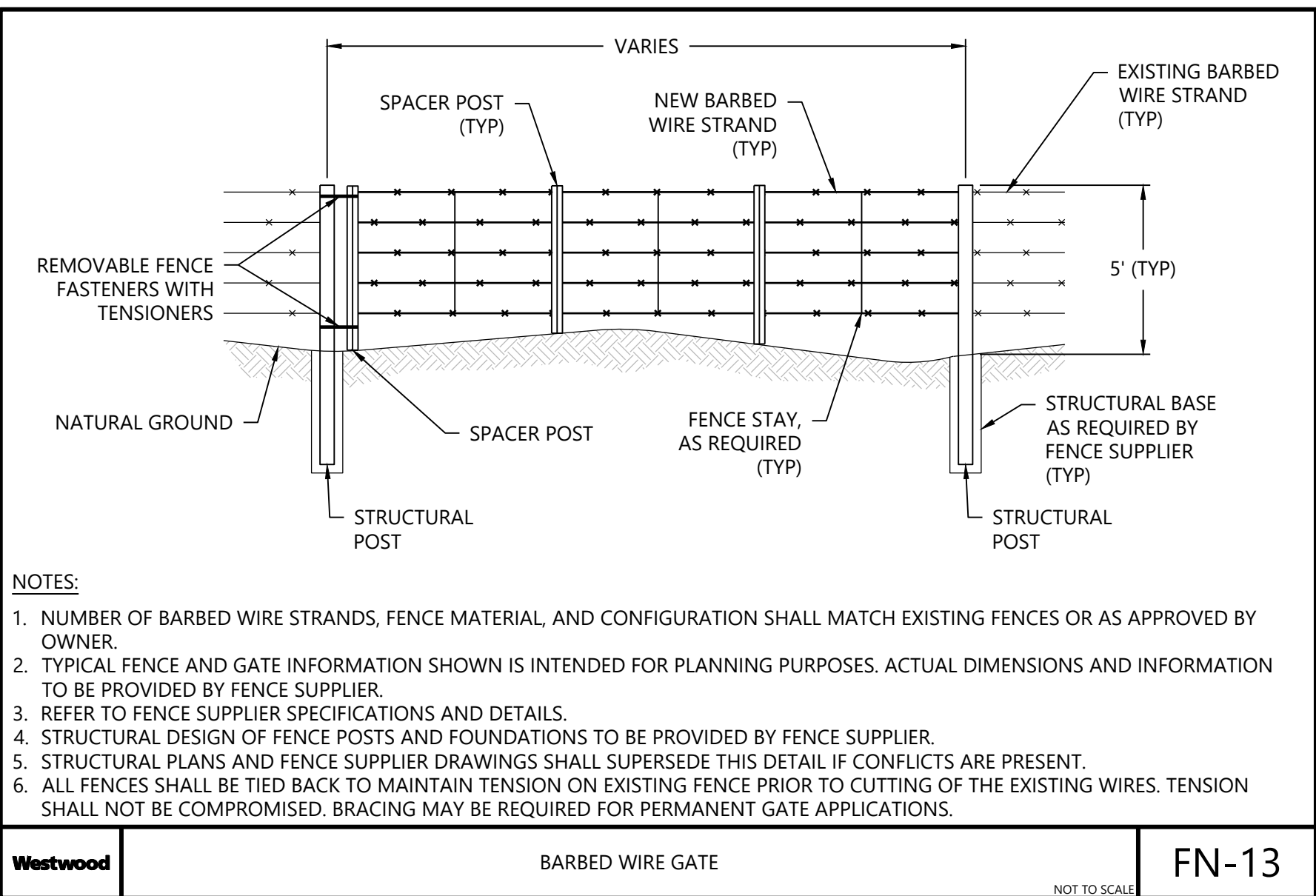
- NOTES:
1. NUMBER OF BARBED WIRE STRANDS, FENCE MATERIAL, AND CONFIGURATION SHALL MATCH EXISTING FENCES OR AS APPROVED BY OWNER.
 2. TYPICAL FENCE AND GATE INFORMATION SHOWN IS INTENDED FOR PLANNING PURPOSES. ACTUAL DIMENSIONS AND INFORMATION TO BE PROVIDED BY FENCE SUPPLIER.
 3. REFER TO FENCE SUPPLIER SPECIFICATIONS AND DETAILS.
 4. STRUCTURAL DESIGN OF FENCE POSTS AND FOUNDATIONS TO BE PROVIDED BY FENCE SUPPLIER.
 5. STRUCTURAL PLANS AND FENCE SUPPLIER DRAWINGS SHALL SUPERSEDE THIS DETAIL IF CONFLICTS ARE PRESENT.
 6. ALL FENCES SHALL BE TIED BACK TO MAINTAIN TENSION ON EXISTING FENCE PRIOR TO CUTTING OF THE EXISTING WIRES.

Westwood BARBED WIRE FENCE CORNER NOT TO SCALE FN-12



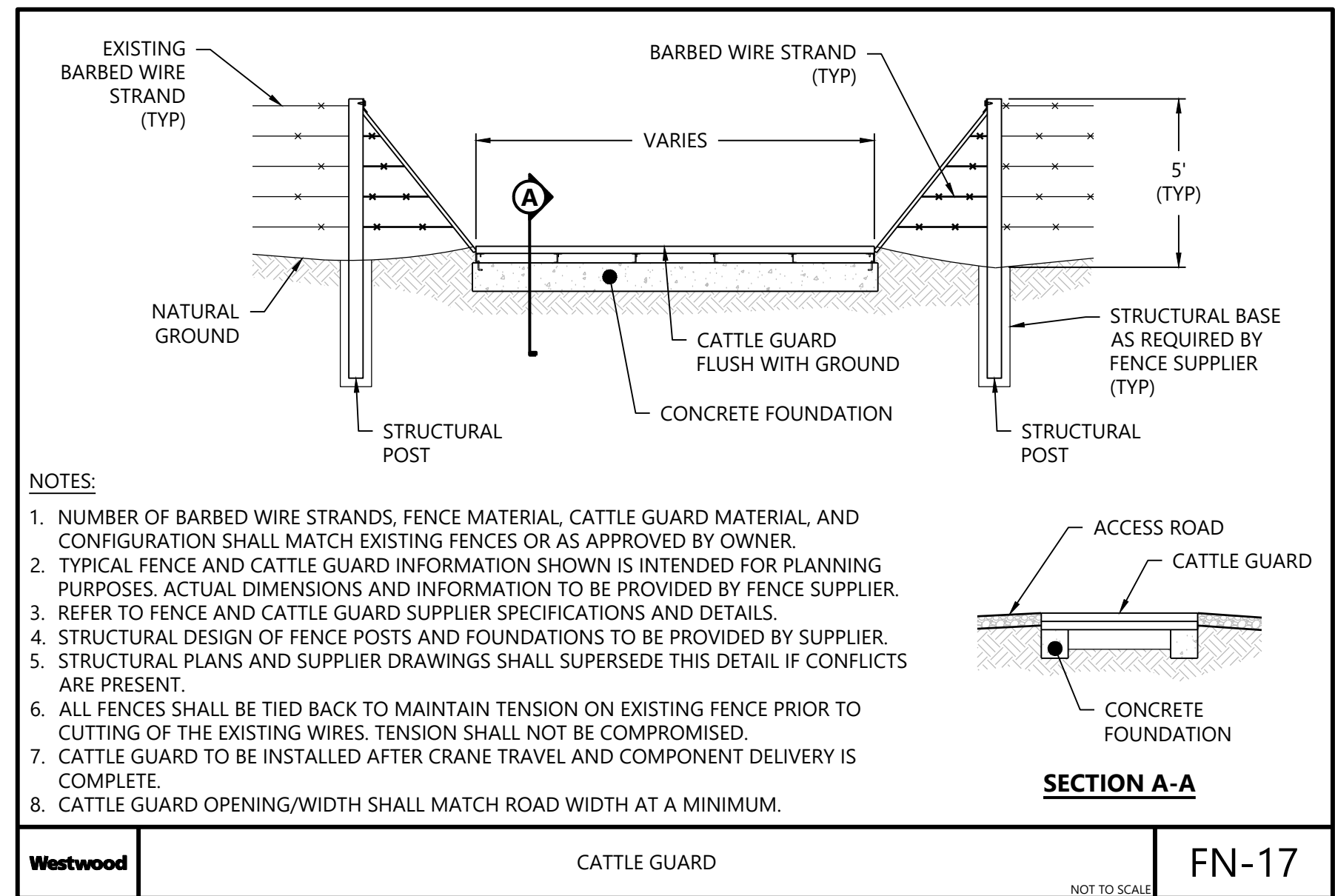
- NOTES:
1. NUMBER OF BARBED WIRE STRANDS, FENCE/GATE MATERIAL, AND CONFIGURATION SHALL MATCH EXISTING FENCES OR AS APPROVED BY OWNER.
 2. TYPICAL FENCE AND GATE INFORMATION SHOWN IS INTENDED FOR PLANNING PURPOSES. ACTUAL DIMENSIONS AND INFORMATION TO BE PROVIDED BY FENCE SUPPLIER.
 3. REFER TO FENCE SUPPLIER SPECIFICATIONS AND DETAILS.
 4. STRUCTURAL DESIGN OF FENCE POSTS AND FOUNDATIONS TO BE PROVIDED BY FENCE SUPPLIER.
 5. STRUCTURAL PLANS AND FENCE SUPPLIER DRAWINGS SHALL SUPERSEDE THIS DETAIL IF CONFLICTS ARE PRESENT.
 6. ALL FENCES SHALL BE TIED BACK TO MAINTAIN TENSION ON EXISTING FENCE PRIOR TO CUTTING OF THE EXISTING WIRES. TENSION SHALL NOT BE COMPROMISED.

Westwood DOUBLE TUBE GATE NOT TO SCALE FN-16



- NOTES:
1. NUMBER OF BARBED WIRE STRANDS, FENCE MATERIAL, AND CONFIGURATION SHALL MATCH EXISTING FENCES OR AS APPROVED BY OWNER.
 2. TYPICAL FENCE AND GATE INFORMATION SHOWN IS INTENDED FOR PLANNING PURPOSES. ACTUAL DIMENSIONS AND INFORMATION TO BE PROVIDED BY FENCE SUPPLIER.
 3. REFER TO FENCE SUPPLIER SPECIFICATIONS AND DETAILS.
 4. STRUCTURAL DESIGN OF FENCE POSTS AND FOUNDATIONS TO BE PROVIDED BY FENCE SUPPLIER.
 5. STRUCTURAL PLANS AND FENCE SUPPLIER DRAWINGS SHALL SUPERSEDE THIS DETAIL IF CONFLICTS ARE PRESENT.
 6. ALL FENCES SHALL BE TIED BACK TO MAINTAIN TENSION ON EXISTING FENCE PRIOR TO CUTTING OF THE EXISTING WIRES. TENSION SHALL NOT BE COMPROMISED. BRACING MAY BE REQUIRED FOR PERMANENT GATE APPLICATIONS.

Westwood BARBED WIRE GATE NOT TO SCALE FN-13



- NOTES:
1. NUMBER OF BARBED WIRE STRANDS, FENCE MATERIAL, CATTLE GUARD MATERIAL, AND CONFIGURATION SHALL MATCH EXISTING FENCES OR AS APPROVED BY OWNER.
 2. TYPICAL FENCE AND CATTLE GUARD INFORMATION SHOWN IS INTENDED FOR PLANNING PURPOSES. ACTUAL DIMENSIONS AND INFORMATION TO BE PROVIDED BY FENCE SUPPLIER.
 3. REFER TO FENCE AND CATTLE GUARD SUPPLIER SPECIFICATIONS AND DETAILS.
 4. STRUCTURAL DESIGN OF FENCE POSTS AND FOUNDATIONS TO BE PROVIDED BY SUPPLIER.
 5. STRUCTURAL PLANS AND SUPPLIER DRAWINGS SHALL SUPERSEDE THIS DETAIL IF CONFLICTS ARE PRESENT.
 6. ALL FENCES SHALL BE TIED BACK TO MAINTAIN TENSION ON EXISTING FENCE PRIOR TO CUTTING OF THE EXISTING WIRES. TENSION SHALL NOT BE COMPROMISED.
 7. CATTLE GUARD TO BE INSTALLED AFTER CRANE TRAVEL AND COMPONENT DELIVERY IS COMPLETE.
 8. CATTLE GUARD OPENING/WIDTH SHALL MATCH ROAD WIDTH AT A MINIMUM.

Westwood CATTLE GUARD NOT TO SCALE FN-17

Coles Wind Project

Coles County, Illinois

Construction Details -
12

ISSUED FOR CONSTRUCTION

DATE: 08/15/2025
SHEET: C711
REV: 3



PREPARED FOR:



120 Garrett St Suite 700
Charlottesville, VA 22902

REVISIONS:

#	DATE	COMMENT	BY	CHK	APR
0	07/25/2025	ISSUED FOR CONSTRUCTION	SL	GN	PM
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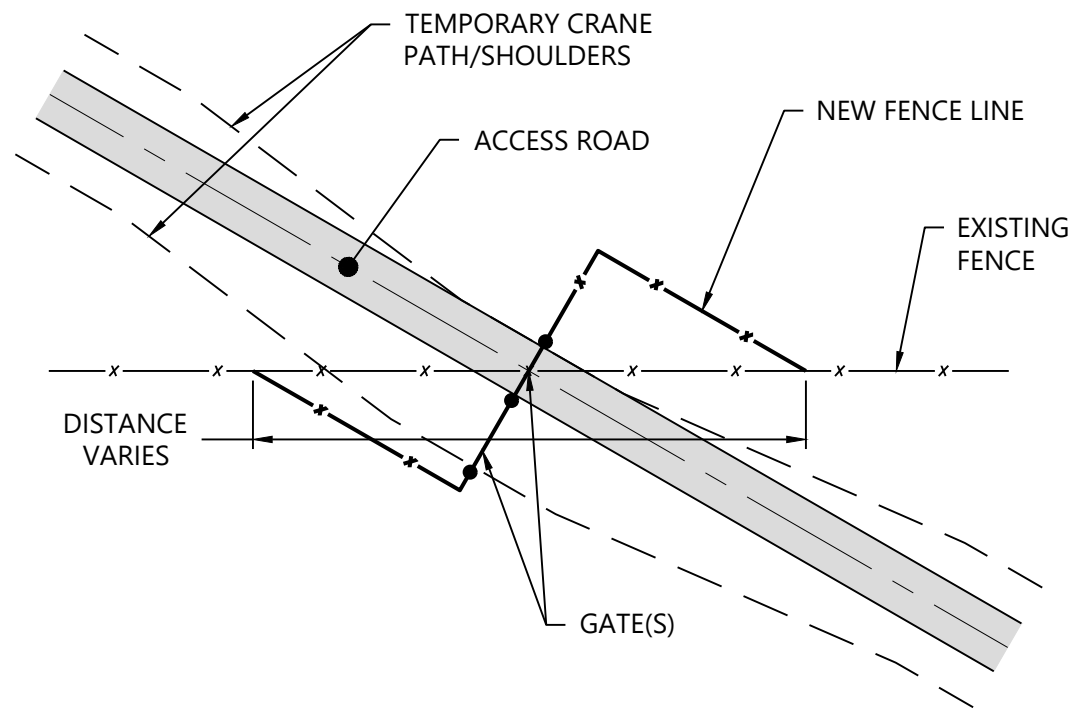
Coles Wind Project

Coles County, Illinois

Construction Details -
13

ISSUED FOR CONSTRUCTION

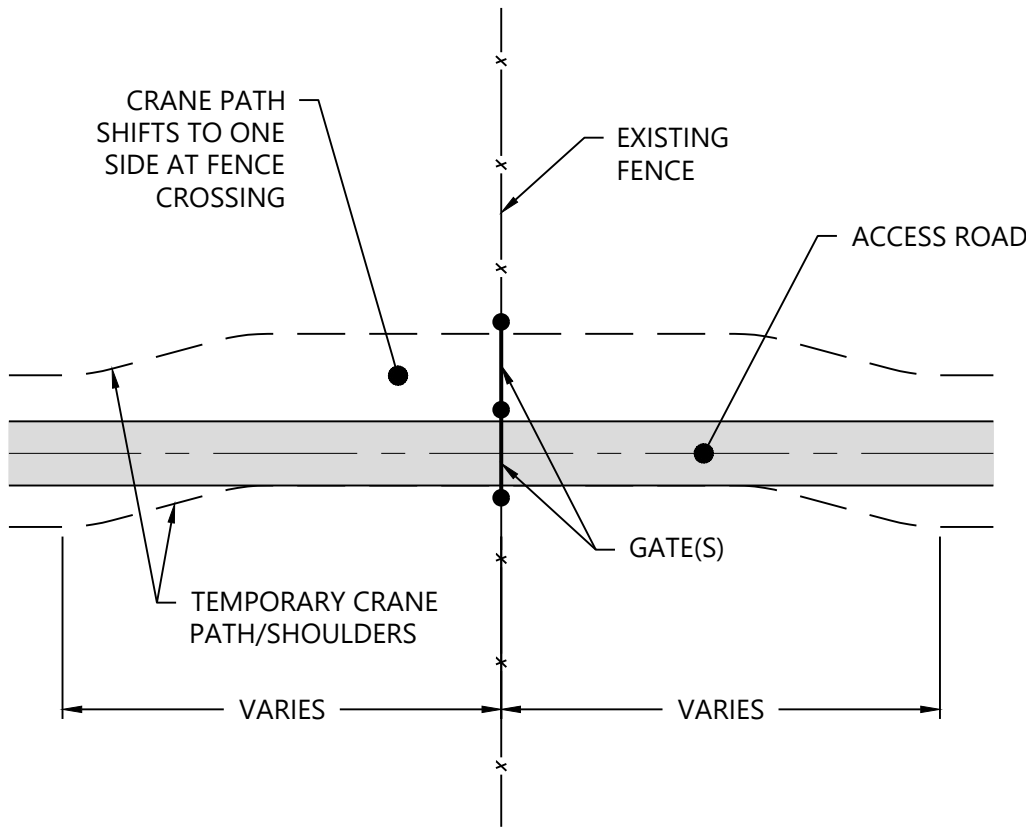
DATE: 08/15/2025
SHEET: C712
REV: 3



NOTES:

1. REFER TO GATE DETAILS FOR ADDITIONAL INFORMATION.
2. GATE(S) SHALL BE INSTALLED PERPENDICULAR TO ACCESS ROAD.
3. FENCE DIMENSIONS WILL VARY BASED ON PROPOSED ROAD ALIGNMENT AND EXISTING FENCE ANGLE.

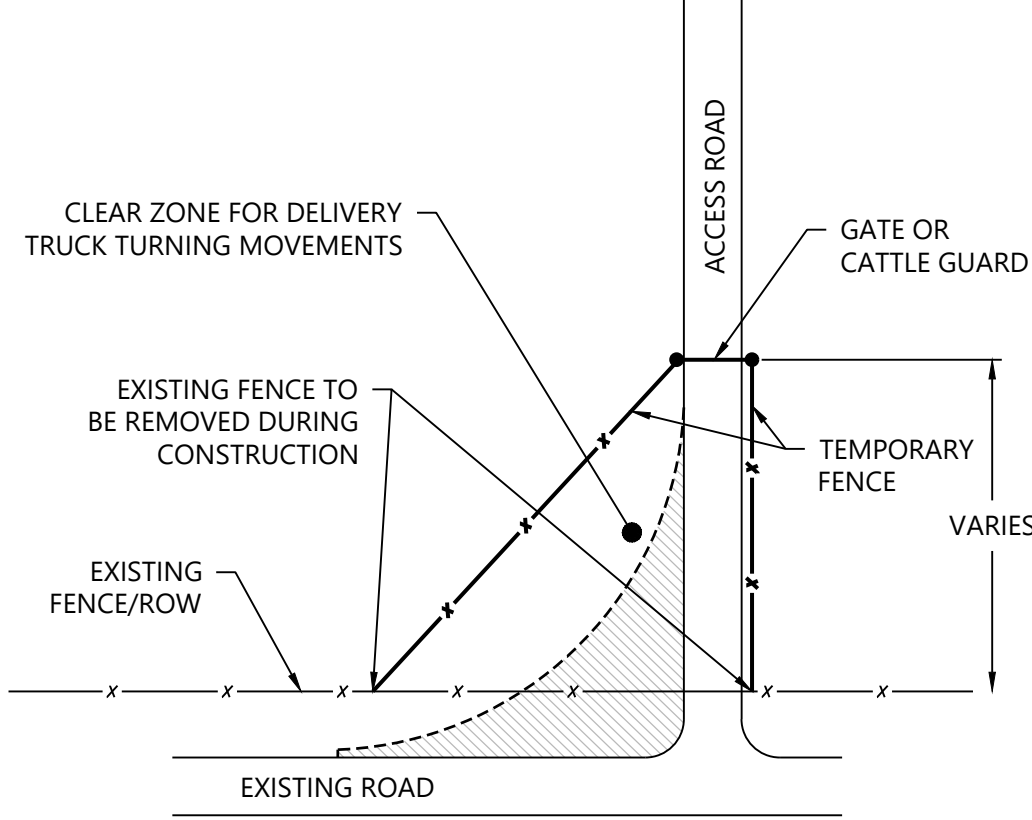
Westwood SKewed Fence Crossing FN-40



NOTES:

1. REFER TO GATE DETAILS FOR ADDITIONAL INFORMATION.
2. GATE(S) SHALL BE INSTALLED PERPENDICULAR TO ACCESS ROAD.

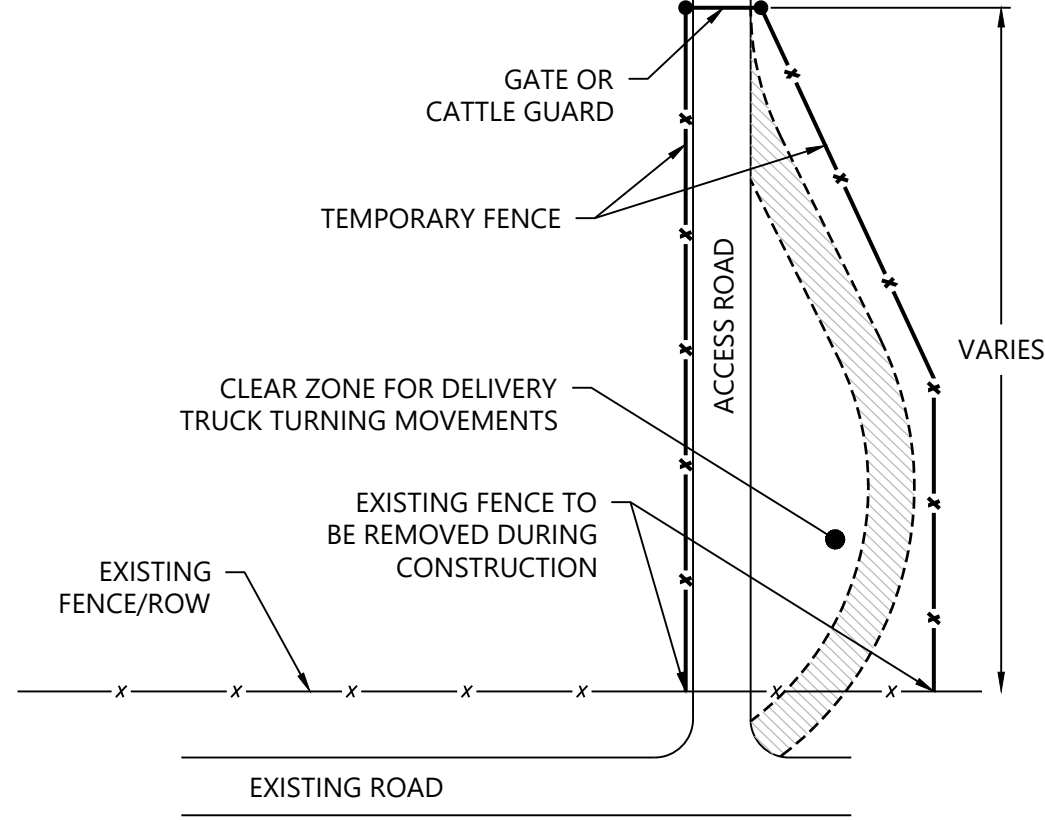
Westwood Shifted Crane Path at Fence Crossing FN-41



NOTE:

FOLLOWING TURBINE CONSTRUCTION TRAFFIC, THE TEMPORARY FENCE AND GATE SHALL BE REMOVED AND REINSTALLED TO MATCH THE PRE-CONSTRUCTION CONFIGURATION.

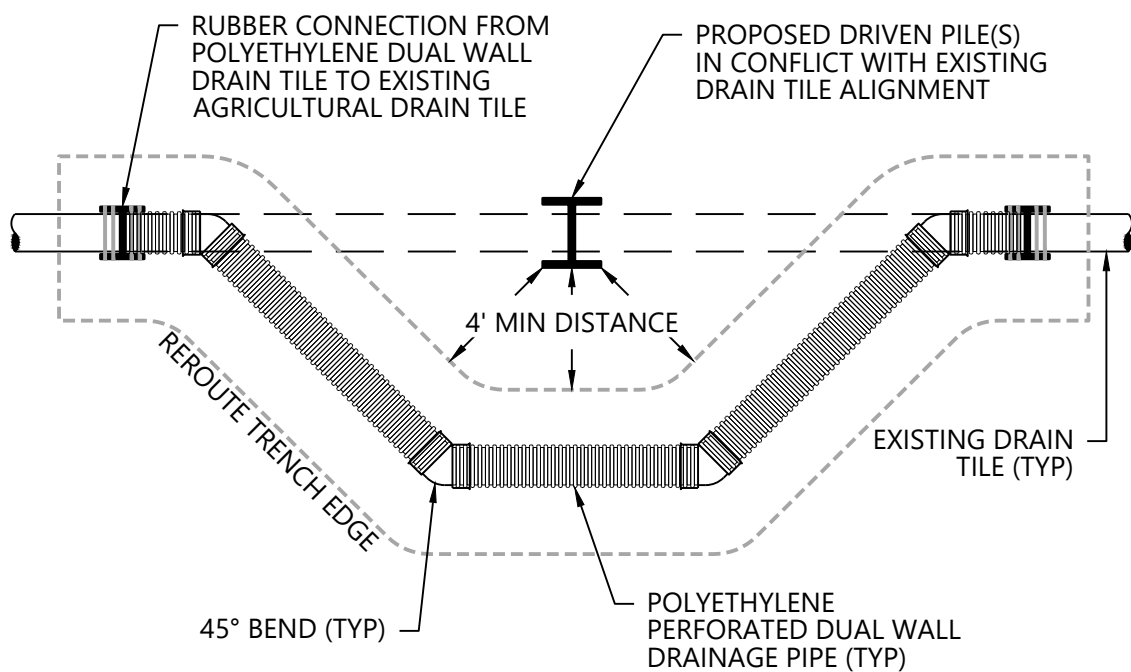
Westwood Temporary Gate/Fence Setback from ROW - STANDARD FN-42



NOTE:

FOLLOWING TURBINE CONSTRUCTION TRAFFIC, THE TEMPORARY FENCE AND GATE SHALL BE REMOVED AND REINSTALLED TO MATCH THE PRE-CONSTRUCTION CONFIGURATION.

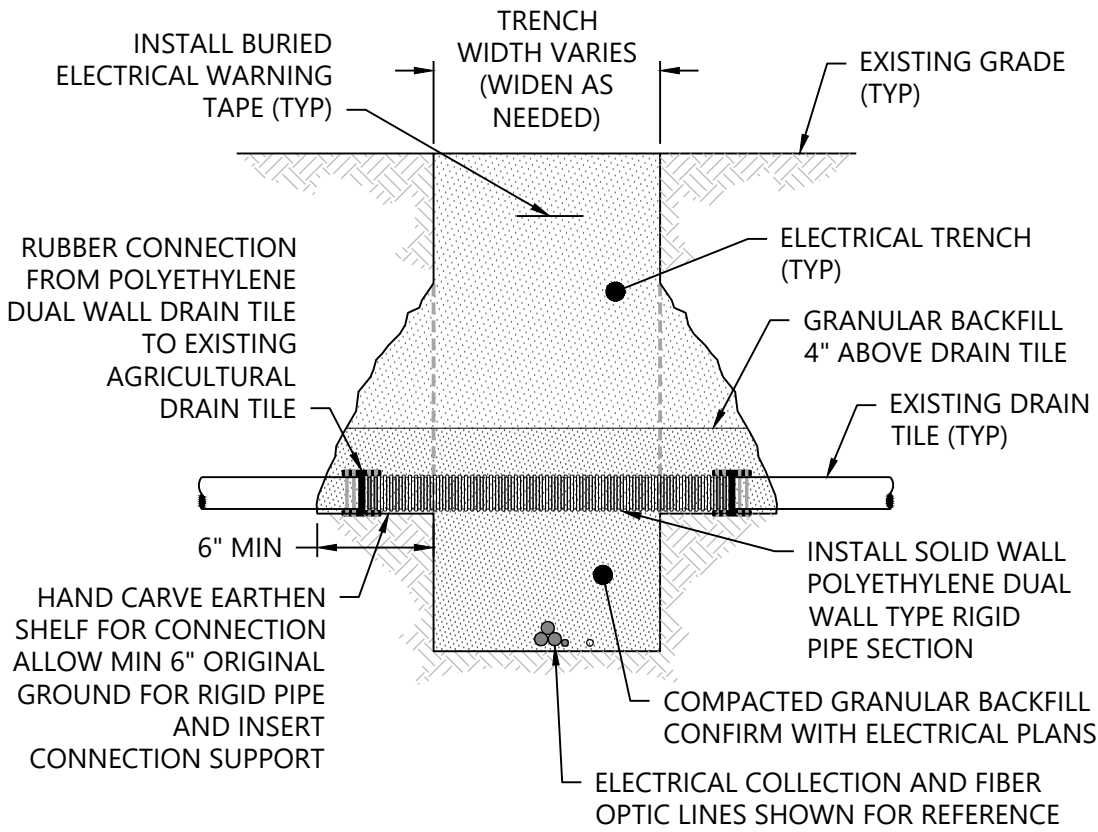
Westwood Temporary Gate/Fence Setback from ROW - JUG HANDLE FN-43



NOTES:

1. TYPICAL DRAIN TILE INFORMATION SHOWN IS INTENDED FOR PLANNING PURPOSES. ACTUAL DESIGN AND MATERIALS TO BE PROVIDED BY QUALIFIED DRAIN TILE CONTRACTOR.
2. SEPARATE TOP SOIL FROM SUB SOIL DURING EXCAVATION. BACKFILL SUB SOIL LAYER FIRST AND BACKFILL THE TOP SOIL OVER SUB SOIL LAYER.
3. MATCH EXISTING TILE SIZE.

Westwood DRAIN TILE REROUTE UT-40

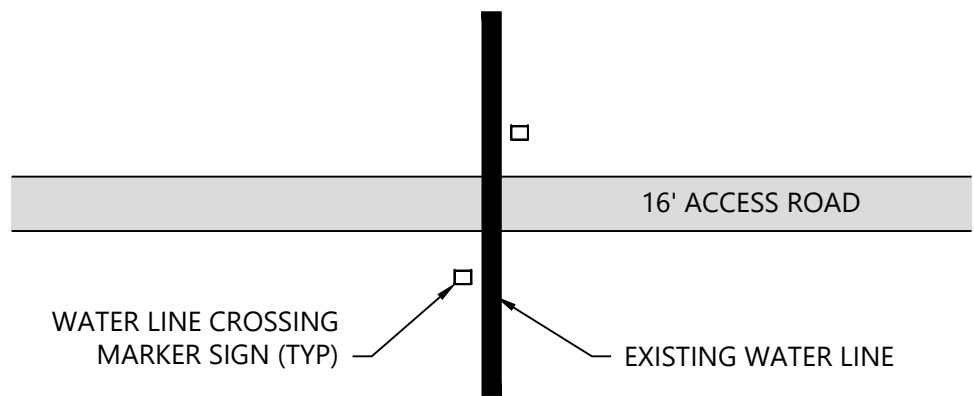


NOTES:

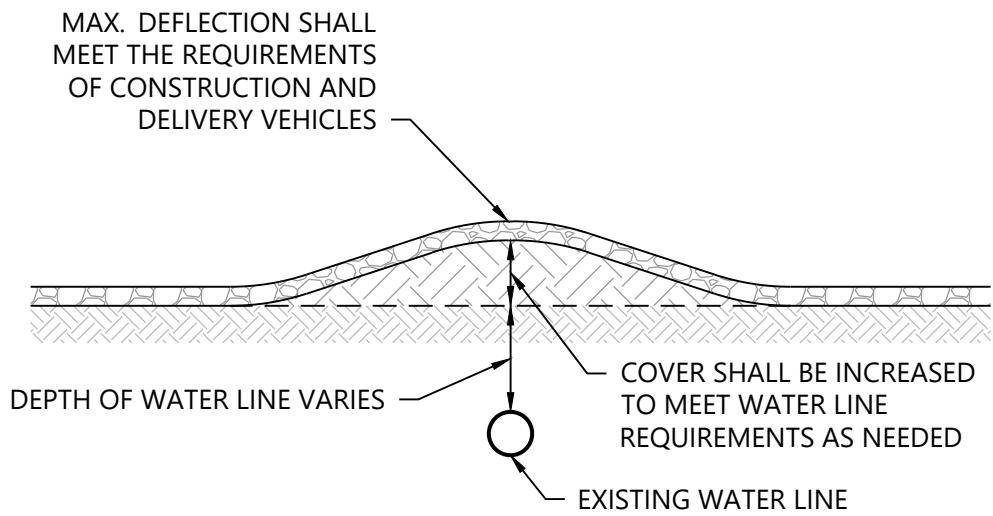
1. TYPICAL DRAIN TILE INFORMATION SHOWN IS INTENDED FOR PLANNING PURPOSES. ACTUAL DESIGN AND MATERIALS TO BE PROVIDED BY QUALIFIED DRAIN TILE CONTRACTOR.
2. CONFIRM INFORMATION, BACKFILL, AND COMPACTION REQUIREMENTS WITH ELECTRICAL ENGINEER.
3. MATCH EXISTING TILE SIZE.

Westwood DRAIN TILE TRENCH REPAIR UT-41

\\010278261- CAD - C:\w\0278261-01-01-01.dwg 8/8/2025 7:31 AM Galen-Harris



PLAN VIEW

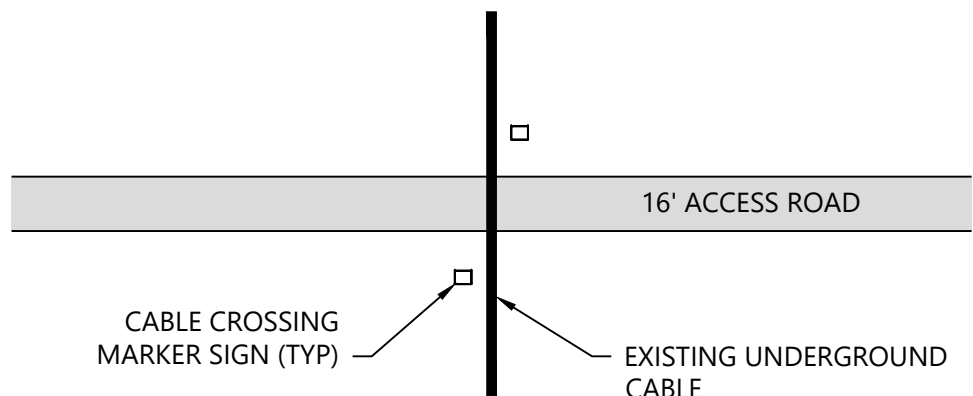


PROFILE VIEW

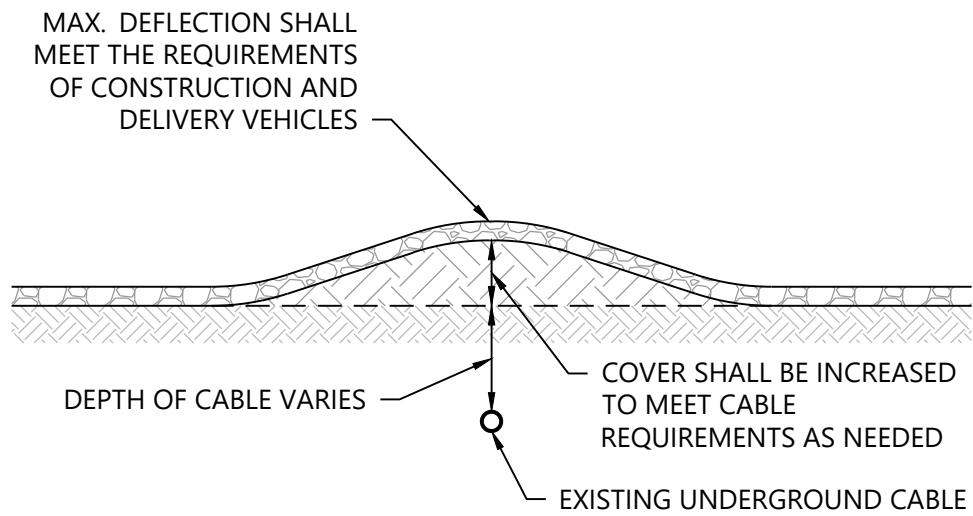
NOTES:

1. EACH CROSSING MUST BE APPROVED BY THE WATER LINE OWNER PRIOR TO CROSSING ON A CASE-BY-CASE BASIS. REFER TO THE UTILITY CROSSING AGREEMENT.
2. CONTRACTOR SHALL NOTIFY WATER LINE OWNER PRIOR TO CONSTRUCTION ACTIVITIES.
3. PRIOR TO ANY DIGGING, CONTRACTOR SHALL CONTACT THE STATE ONE-CALL SYSTEM AT 811.
4. CROSSINGS SHOULD BE AT OR AS NEAR TO RIGHT ANGLES AS PRACTICAL.
5. EARTH COVER PROTECTION FOR EXISTING WATER LINE SHALL BE USED WHERE THE COVER OVER THE EXISTING WATER LINE IS LESS THAN REQUIRED IN THE UTILITY CROSSING AGREEMENT.
6. INSTALL CROSSING MARKER SIGNS AT PERMANENT CROSSINGS IN ACCORDANCE WITH THE UTILITY CROSSING AGREEMENT.

Westwood	ACCESS ROAD CROSSING OF EXISTING WATER LINE NOT TO SCALE	UT-02
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PLAN VIEW

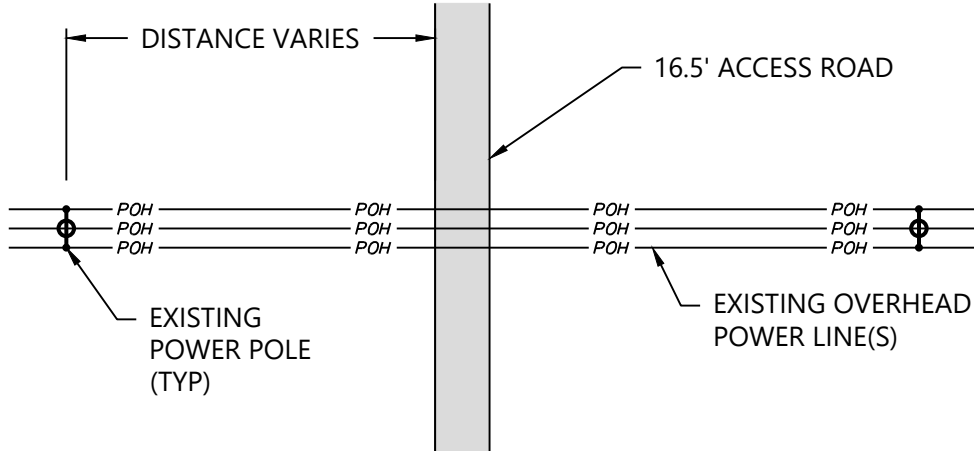


PROFILE VIEW

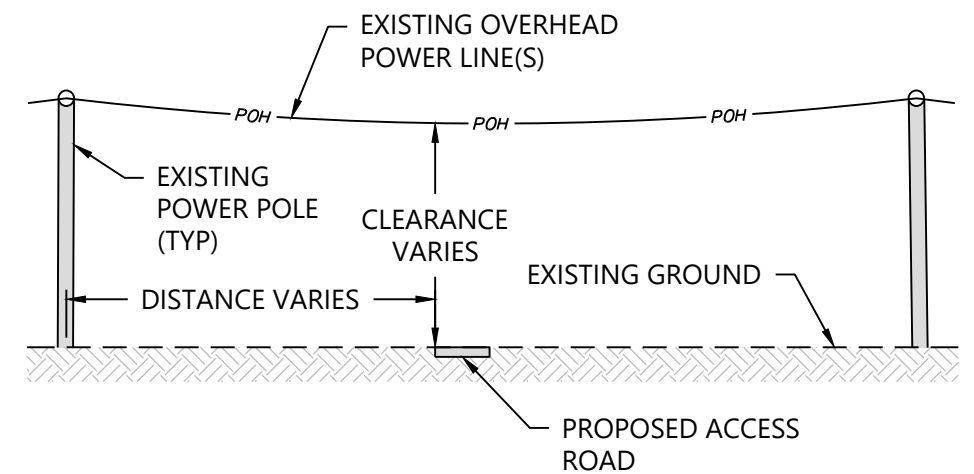
NOTES:

1. EACH CROSSING MUST BE APPROVED BY THE CABLE OWNER PRIOR TO CROSSING ON A CASE-BY-CASE BASIS. REFER TO THE UTILITY CROSSING AGREEMENT.
2. CONTRACTOR SHALL NOTIFY CABLE OWNER PRIOR TO CONSTRUCTION ACTIVITIES.
3. PRIOR TO ANY DIGGING, CONTRACTOR SHALL CONTACT THE STATE ONE-CALL SYSTEM AT 811.
4. CROSSINGS SHOULD BE AT OR AS NEAR TO RIGHT ANGLES AS PRACTICAL.
5. EARTH COVER PROTECTION FOR EXISTING CABLE SHALL BE USED WHERE THE COVER OVER THE EXISTING CABLE IS LESS THAN REQUIRED IN THE UTILITY CROSSING AGREEMENT.
6. INSTALL CROSSING MARKER SIGNS AT PERMANENT CROSSINGS IN ACCORDANCE WITH THE UTILITY CROSSING AGREEMENT.

Westwood	ACCESS ROAD CROSSING OF EXISTING UNDERGROUND CABLE NOT TO SCALE	UT-03
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PLAN VIEW

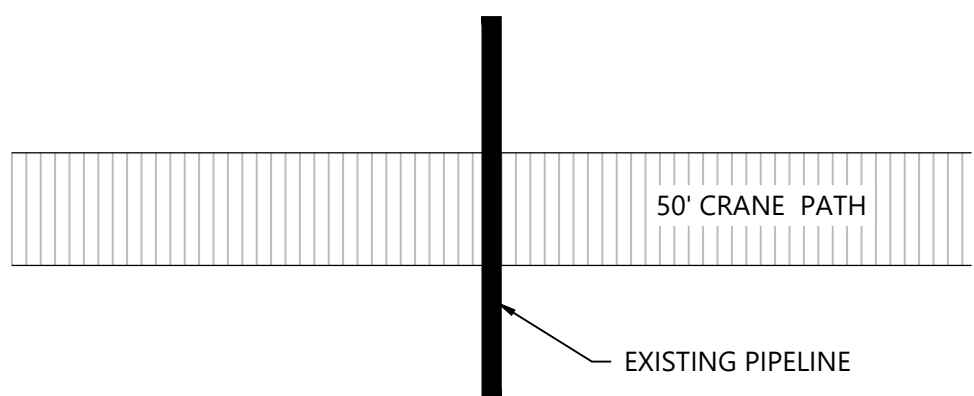


PROFILE VIEW

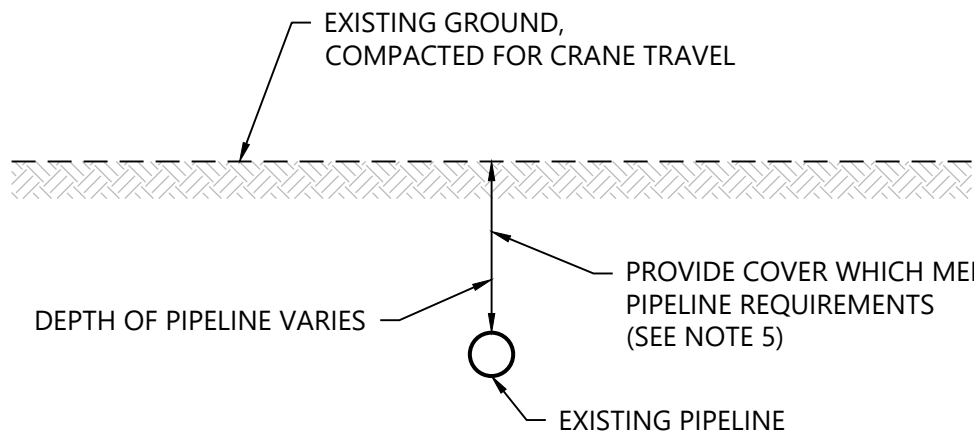
NOTES:

1. EACH CROSSING MUST BE APPROVED BY THE OVERHEAD POWER OWNER PRIOR TO CROSSING ON A CASE-BY-CASE BASIS. REFER TO THE UTILITY CROSSING AGREEMENT.
2. CONTRACTOR SHALL NOTIFY OVERHEAD POWER OWNER PRIOR TO CONSTRUCTION ACTIVITIES.
3. CROSSINGS SHOULD BE AT OR AS NEAR TO RIGHT ANGLES AS PRACTICAL.
4. DISTURBED GROUND NOT COVERED BY GRAVEL WILL BE RESTORED TO EXISTING CONDITIONS.
5. IN SOME CASES, PROPOSED ACCESS ROAD ELEVATION MAY VARY FROM EXISTING GROUND ELEVATION.
6. MAINTAIN OSHA AND OTHER APPLICABLE CLEARANCES/PROTOCOL.

Westwood	ACCESS ROAD CROSSING OF EXISTING OVERHEAD POWER NOT TO SCALE	UT-04
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PLAN VIEW

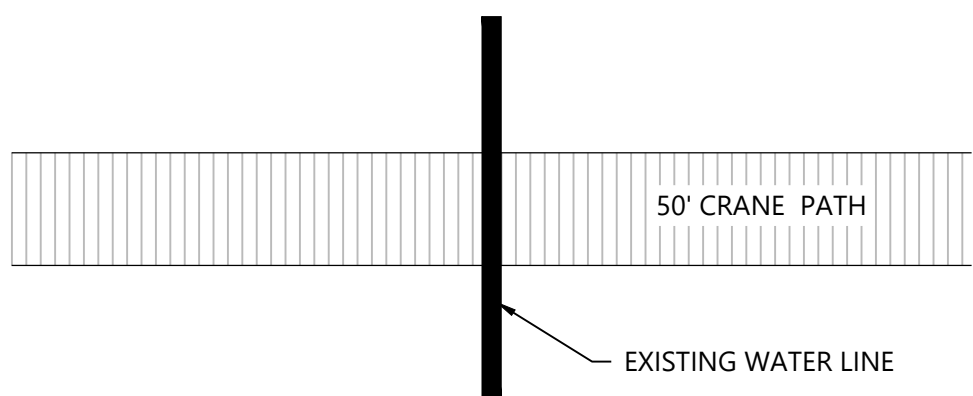


PROFILE VIEW

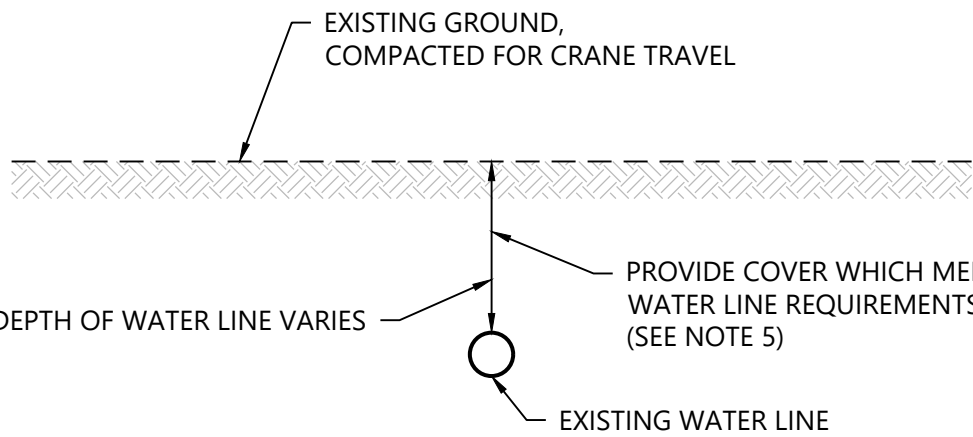
NOTES:

1. EACH CROSSING MUST BE APPROVED BY THE PIPELINE OWNER PRIOR TO CROSSING ON A CASE-BY-CASE BASIS. REFER TO THE UTILITY CROSSING AGREEMENT.
2. CONTRACTOR SHALL NOTIFY PIPELINE OWNER PRIOR TO CONSTRUCTION ACTIVITIES.
3. PRIOR TO ANY DIGGING, CONTRACTOR SHALL CONTACT THE STATE ONE-CALL SYSTEM AT 811.
4. CROSSINGS SHOULD BE AT OR AS NEAR TO RIGHT ANGLES AS PRACTICAL.
5. MATTING OR EARTHEN COVER MAY BE NEEDED TO ACHIEVE NECESSARY SUPPORT FOR CROSSINGS. THIS WILL BE AGREED UPON BY THE CONTRACTOR AND PIPELINE OWNER ON A CASE-BY-CASE BASIS.

Westwood	CRANE CROSSING OF EXISTING PIPELINE NOT TO SCALE	UT-10
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PLAN VIEW

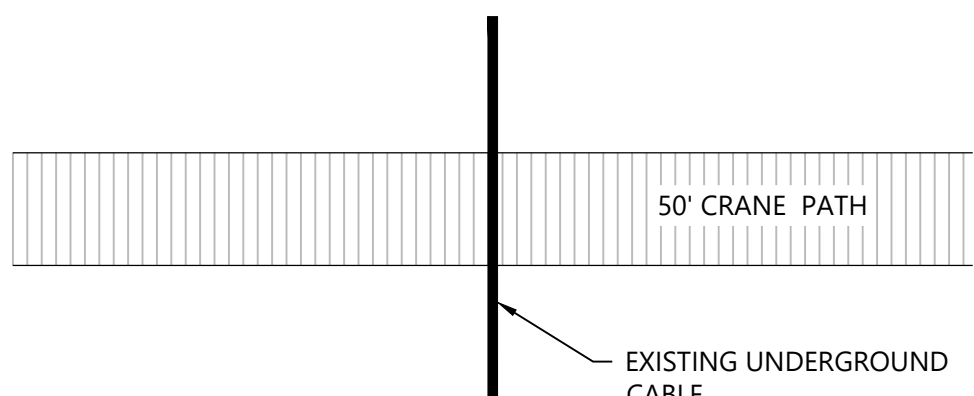


PROFILE VIEW

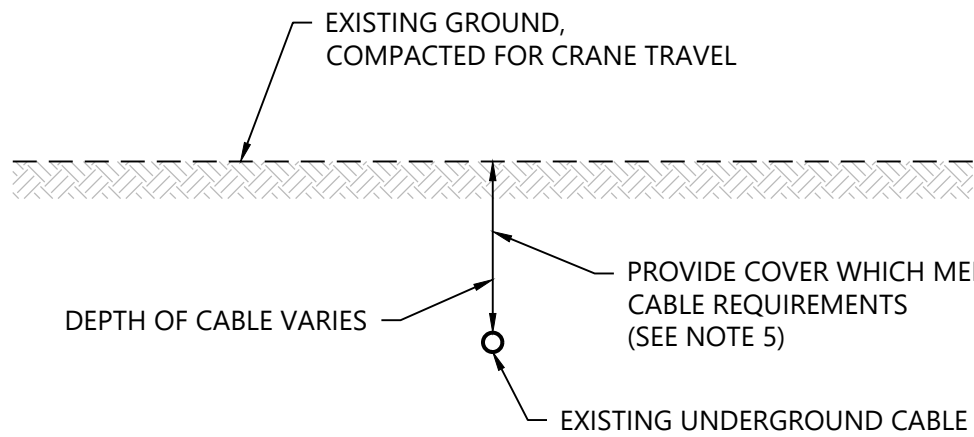
NOTES:

1. EACH CROSSING MUST BE APPROVED BY THE WATER LINE OWNER PRIOR TO CROSSING ON A CASE-BY-CASE BASIS. REFER TO THE UTILITY CROSSING AGREEMENT.
2. CONTRACTOR SHALL NOTIFY WATER LINE OWNER PRIOR TO CONSTRUCTION ACTIVITIES.
3. PRIOR TO ANY DIGGING, CONTRACTOR SHALL CONTACT THE STATE ONE-CALL SYSTEM AT 811.
4. CROSSINGS SHOULD BE AT OR AS NEAR TO RIGHT ANGLES AS PRACTICAL.
5. MATTING OR EARTHEN COVER MAY BE NEEDED TO ACHIEVE NECESSARY SUPPORT FOR CROSSINGS. THIS WILL BE AGREED UPON BY THE CONTRACTOR AND WATER LINE OWNER ON A CASE-BY-CASE BASIS.

Westwood	CRANE CROSSING OF EXISTING WATER LINE NOT TO SCALE	UT-11
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PLAN VIEW

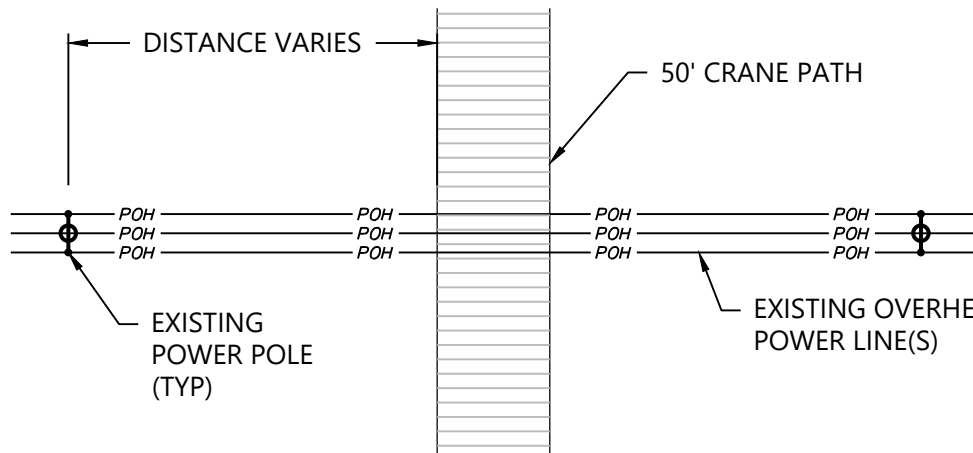


PROFILE VIEW

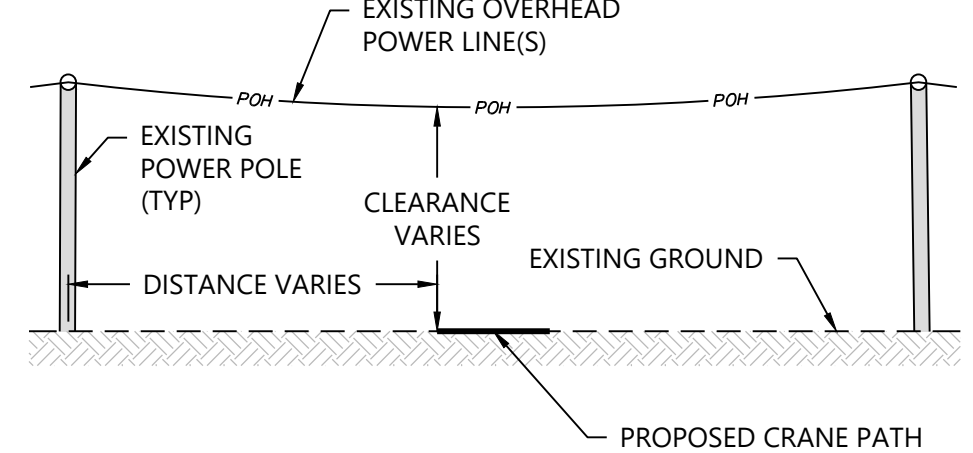
NOTES:

1. EACH CROSSING MUST BE APPROVED BY THE CABLE OWNER PRIOR TO CROSSING ON A CASE-BY-CASE BASIS. REFER TO THE UTILITY CROSSING AGREEMENT.
2. CONTRACTOR SHALL NOTIFY CABLE OWNER PRIOR TO CONSTRUCTION ACTIVITIES.
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4. CROSSINGS SHOULD BE AT OR AS NEAR TO RIGHT ANGLES AS PRACTICAL.
5. MATTING OR EARTHEN COVER MAY BE NEEDED TO ACHIEVE NECESSARY SUPPORT FOR CROSSINGS. THIS WILL BE AGREED UPON BY THE CONTRACTOR AND CABLE OWNER ON A CASE-BY-CASE BASIS.

Westwood	CRANE CROSSING OF EXISTING UNDERGROUND CABLE NOT TO SCALE	UT-12
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PLAN VIEW



PROFILE VIEW

NOTES:

1. EACH CROSSING MUST BE APPROVED BY THE OVERHEAD POWER OWNER PRIOR TO CROSSING ON A CASE-BY-CASE BASIS. REFER TO THE UTILITY CROSSING AGREEMENT.
2. CONTRACTOR SHALL NOTIFY OVERHEAD POWER OWNER PRIOR TO CONSTRUCTION ACTIVITIES.
3. CROSSINGS SHOULD BE AT OR AS NEAR TO RIGHT ANGLES AS PRACTICAL.
4. DISTURBED GROUND WILL BE RESTORED TO EXISTING CONDITIONS.
5. IN SOME CASES, PROPOSED CRANE PATH ELEVATION MAY VARY FROM EXISTING GROUND ELEVATION.
6. MAINTAIN OSHA AND OTHER APPLICABLE CLEARANCES/PROTOCOL.

Westwood	CRANE CROSSING OF EXISTING OVERHEAD POWER NOT TO SCALE	UT-13
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PREPARED FOR:



120 Garrett St Suite 700
Charlottesville, VA 22902

REVISIONS:			
#	DATE	COMMENT	BY: CHK: APR
0	07/25/2025	ISSUED FOR CONSTRUCTION	SL GN PM
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3	08/15/2025	DFP REVISION	GN PM GN

Coles Wind Project

Coles County, Illinois

Construction Details -
14

ISSUED FOR CONSTRUCTION

DATE: 08/15/2025
SHEET: C713
REV: 3

ROAD DESIGN PARAMETERS

1. THE ROAD HAS BEEN DESIGNED TO ACCOMMODATE LOADS DURING CONSTRUCTION AND LIGHT DUTY TRUCKS FOR LOW VOLUME USE IN NORMAL OPERATING CONDITIONS. THE ROAD DESIGN SPECIFIED IS NOT INTENDED FOR ALL WEATHER USE FOR HEAVY DUTY, HIGH VOLUME CONSTRUCTION LOADS.
2. ROAD MAINTENANCE CAN BE EXPECTED DURING CONSTRUCTION AND OVER THE LIFE OF THE PERMANENT FACILITY.

EARTHWORK

1. GENERAL
- a. THIS SECTION DESCRIBES WORK RELATED TO EARTHWORK AND MAY INCLUDE CLEARING AND GRUBBING, EXCAVATIONS, SUBGRADE, AGGREGATE PLACEMENT, GENERAL FILL, STABILIZATION, ANY ASSOCIATED INSPECTIONS AND TESTING OF EARTHWORK, AND ALL OTHER WORK NECESSARY TO COMPLETE EARTHWORK FOR THE PROJECT.
- b. THIS SECTION DOES NOT ADDRESS EARTHWORK ASSOCIATED WITH FOUNDATIONS, REFER TO STRUCTURAL DRAWINGS FOR FOUNDATION RELATED WORK.
2. SUBMITTALS
- a. THE FOLLOWING MATERIAL SUBMITTALS ARE REQUIRED FOR REVIEW BY THE CIVIL ENGINEER OF RECORD (EOR) PER SPECIFIC PRODUCT AND PRE-PLACEMENT:
- a.1. ON-SITE BORROW SOURCE
- a.2. IMPORTED FILL MATERIAL
- a.3. AGGREGATE
- a.4. RIPRAP
- a.5. GEOSYNTHETIC FABRIC
- a.6. CULVERTS
- a.7. LOW WATER CROSSINGS
- b. EROSION AND SEDIMENT CONTROL (BMP) PRODUCT SUBMITTALS ARE NOT REQUIRED. REFER TO THE NPDES PERMIT FOR INFORMATION.
- c. REFER TO TABLE 1 FOR REQUIRED TESTS FOR EACH SUBMITTAL.
3. MATERIALS
- a. GENERAL FILL
- a.1. GENERAL FILL MATERIAL SHALL CONSIST OF ON-SITE SAND, SILTY SAND, CLAYEY SAND, SANDY LEAN CLAY, OR LEAN CLAY WITH A LIQUID LIMIT LESS THAN 45 AND A PLASTICITY INDEX LESS THAN 20.
- a.2. GENERAL FILL SHALL BE USED FOR MASS GRADING ASSOCIATED WITH TURBINE PADS, ACCESS ROADS, SPUR ROADS, INTERSECTION IMPROVEMENTS, PUBLIC ROAD IMPROVEMENTS, SUBSTATION AREA, AND O&M AREA.
- b. AGGREGATE MATERIAL
- b.1. AGGREGATE MATERIAL SHALL CONSIST OF IDOT AGGREGATE BASE CA-06. SEE TABLE 2 FOR GRADATION AND ADDITIONAL INFORMATION.
- b.2. AGGREGATE MATERIAL SHALL BE USED FOR ACCESS ROADS, SPUR ROADS, INTERSECTION IMPROVEMENTS, PUBLIC ROAD IMPROVEMENTS, SUBSTATION AREA, O&M AREA, AND AGGREGATE RINGS.
- c. GEOTEXTILE
- c.1. DRAINAGE APPLICATIONS
- c.1.1. GEOTEXTILE SHALL CONSIST OF MIRAFI 140N GEOTEXTILE FABRIC OR CIVIL ENGINEER APPROVED EQUAL.
- c.1.2. GEOTEXTILE SHALL BE USED FOR RIPRAP AREAS AND AS SHOWN ON THE DRAWINGS.
- d. RIPRAP
- d.1. RIRRAP SHALL CONSIST OF ROCK THAT MEETS D50 REQUIREMENTS SPECIFIED IN THE PLANS. D50 SHALL BE MEASURED BY TAKING A REPRESENTATIVE SAMPLE OF THE RIPRAP MATERIAL AND MEASURING 100 STONES IN THE 3 GENERAL DIMENSIONS OF LENGTH, WIDTH, AND THICKNESS. THE AVERAGE INTERMEDIATE DIMENSION SHALL BE EQUAL TO THE D50 VALUE OR GREATER. INTERMEDIATE DIMENSION IS DEFINED AS THE LONGEST, STRAIGHT-LINE DISTANCE ACROSS THE ROCK THAT IS PERPENDICULAR TO THE LONGEST AXIS ON THE FACE OF THE ROCK WITH THE LARGEST PROJECTION PLANE. FOR THE IDEALIZED ROCK PARTICLE SHOWN IN FIGURE 1, THIS WOULD BE DIMENSION 'B'. REFERENCE FLH DESIGNATION T 521-13 "DETERMINING RIPRAP GRADATION BY WOLMAN COUNT" FOR FURTHER INFORMATION.
- d.2. RIPRAP SHALL BE USED FOR CULVERT ENDS, DRAINAGE SWALES, PROTECTED ROAD CROSSINGS, AND AS SHOWN ON THE DRAWINGS.
- e. CULVERTS
- e.1. CULVERT INSTALLATION SHALL CONFORM TO MANUFACTURER RECOMMENDATIONS BASED ON MATERIALS, INSTALLATION METHODS, SIZE, AND ANTICIPATED LOADINGS.
- e.2. CULVERTS SHALL HAVE NO END TREATMENTS UNLESS OTHERWISE NOTED OR REQUIRED BY THE AUTHORITY HAVING JURISDICTION
- e.3. CULVERTS MAY BE CORRUGATED METAL PIPES (CMP) OR HIGH-DENSITY POLYETHYLENE (HDPE) PIPES, UNLESS OTHERWISE NOTED OR REQUIRED BY THE AUTHORITY HAVING JURISDICTION.
- e.4. CMP DIAMETERS 36" AND SMALLER SHALL BE MINIMUM 16-GAUGE.
- e.5. CMP DIAMETERS 42" AND LARGER SHALL BE MINIMUM 12-GAUGE.
- e.6. CMP MINIMUM COVER SHALL BE 12" MEASURED FROM TOP OF CULVERT TO BOTTOM OF GRAVEL PAVEMENT.
- e.7. HDPE CULVERTS SHALL BE DUAL-WALL TYPE.
- e.8. HDPE DIAMETERS 36" AND SMALLER SHALL HAVE A MINIMUM COVER OF 18" MEASURED FROM TOP OF CULVERT TO BOTTOM OF GRAVEL PAVEMENT.
- e.9. HDPE DIAMETERS 42" AND LARGER SHALL HAVE A MINIMUM COVER OF 24" MEASURED FROM TOP OF CULVERT TO BOTTOM OF GRAVEL PAVEMENT.
4. CONSTRUCTION
- a. CLEARING AND GRUBBING
- a.1. THE CONTRACTOR SHALL BE REQUIRED TO REMOVE ALL TREES, STUMPS, BRUSH, AND DEBRIS WITHIN THE GRADING AREAS SHOWN ON THE PLANS. THE CONTRACTOR IS TO REMOVE ONLY THOSE TREES WHICH ARE DESIGNATED BY THE OWNER'S REPRESENTATIVE FOR REMOVAL, AND SHALL EXERCISE EXTREME CARE AROUND EXISTING TREES TO BE SAVED. TREE CLEARING IS NOT ALLOWED BETWEEN MARCH 30 AND NOVEMBER 1
- b. EXCAVATIONS
- b.1. TOPSOIL SHALL BE STRIPPED FROM ALL ROADWAY AREAS AT A MINIMUM DEPTH OF ±12 INCHES.
- b.2. TOPSOIL SHALL BE STRIPPED, TO THE DEPTH OF THE TOPSOIL, FROM ALL AREAS WITH SUBSOIL CUT/FILL (MASS-GRADING).
- b.3. TOPSOIL SHALL NOT BE STRIPPED OUTSIDE OF THE DESIGNATED DISTURBANCE AREAS.
- b.4. ANY TOPSOIL THAT HAS BEEN STRIPPED SHALL BE RE-SPREAD OR STOCKPILED WITHIN GRADING AREAS AND/OR USED AS FILL OUTSIDE OF THE DISTURBANCE AREAS, AS DIRECTED BY THE CIVIL ENGINEER. ALL TOPSOIL SHALL BE REDISTRIBUTED TO THE LAND OWNER'S PROPERTY OF WHERE IT ORIGINATED FROM. SEEDING AND MULCHING TO BE UNDER THE DIRECTION OF THE PROPERTY OWNER.
- c. SUBGRADE
- c.1. SUBGRADE SOIL BELOW FILL SHALL BE COMPACTED AND PROOF-ROLLED IN ACCORDANCE WITH TABLE 1.
- c.2. WHERE APPLICABLE, GEOTEXTILE FABRIC SHALL BE PLACED AFTER SUBGRADE TESTING REQUIREMENTS AS SPECIFIED IN TABLE 1. GEOTEXTILE FABRIC SHALL BE INSTALLED PER MANUFACTURE RECOMMENDATION.
- d. GENERAL FILL
- d.1. FILL MAY BE PLACED ABOVE GRADE AFTER TOPSOIL STRIPPING, IN LOOSE LIFTS NOT EXCEEDING 12 INCHES, AND COMPACTED IN ACCORDANCE WITH TABLE 1.
- d.2. SIDE SLOPES GREATER THAN 3:1 WILL NOT BE PERMITTED, UNLESS OTHERWISE NOTED ON THE PLAN.
- e. AGGREGATE PLACEMENT
- e.1. SUBSEQUENT TO THE SUBGRADE PREPARATION, THE AGGREGATE BASE SHALL BE PLACED, COMPACTED, AND TESTED TO THE SPECIFICATIONS IDENTIFIED IN TABLE 1.
- f. SEEDING, MULCHING, AND STABILIZATION
- f.1. PRIOR TO FINAL STABILIZATION, TOPSOIL SHALL BE DISTRIBUTED OVER THE EXPOSED DISTURBED AREAS, EXCLUDING THE AGGREGATE DRIVING SURFACE.
- f.2. FOLLOWING ROUGH GRADING OPERATIONS, TOPSOIL CAN BE USED TO BRING THE GROUND ELEVATIONS UP TO THE DESIGNED FINISHED GRADE ELEVATIONS IN NON-STRUCTURAL AREAS.
- f.3. ALL DISTURBED AREAS SHALL HAVE TEMPORARY AND PERMANENT STABILIZATION MEASURES ESTABLISHED IN ACCORDANCE WITH THE NPDES PERMIT.
5. INSPECTIONS AND TESTING
- a. TESTING SHALL BE PERFORMED BY A DESIGNATED INDEPENDENT TESTING AGENCY
- b. TESTING AND INSPECTION RECORDS SHALL BE MAINTAINED BY THE CONTRACTOR AND MADE ACCESSIBLE TO THE CIVIL EOR AT THEIR REQUEST
- b.1. THE CIVIL ENGINEER MAY REVIEW THE TESTING AND INSPECTION RECORDS TO CHECK CONFORMANCE WITH THE DRAWINGS AND SPECIFICATIONS. THE CIVIL ENGINEER'S REVIEW DOES NOT RELIEVE THE CONSTRUCTION CONTRACTOR FROM THE RESPONSIBILITY FOR CORRECTING DEFECTIVE WORK.
- c. REFER TO TABLE 1 FOR PROJECT TESTING SPECIFICATIONS
- d. PROOF ROLLING: PROOF ROLLING SHALL BE PERFORMED IN THE PRESENCE OF THE GEOTECHNICAL ENGINEER OR QUALIFIED GEOTECHNICAL REPRESENTATIVE.
- d.1. UNSTABILIZED SUBGRADE AND AGGREGATE BASE (IN ACCORDANCE WITH TABLE 1) SHALL BE PROOF ROLLED USING A FULLY LOADED TANDEM AXLE DUMP TRUCK WITH A MINIMUM GROSS WEIGHT OF 25 TONS OR A FULLY LOADED WATER TRUCK WITH AN EQUIVALENT AXLE LOADING.

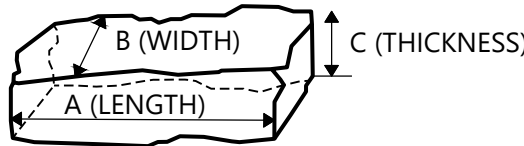


FIGURE 1 - ROCK PARTICLE DIMENSIONS

TABLE 1: MATERIAL TESTING SCHEDULE

	Location	Required Test	ASTM Standard	Frequency	Specified Criteria
Subgrade (Non-cement Stabilized)	Access Roads Met Tower Roads Public Road Improvements Substation Area O&M Area	Standard Proctor	ASTM D-698	1 per soil type as determined by independent testing agency	N/A
		Nuclear Density	ASTM D-6938	Roads: 1 test per 2,500 LF (minimum 1 per road) Areas: 1 test per 5,000 SF (minimum 1 per area)	95% of Standard Proctor Maximum Dry Density +/- 3% of Optimum Moisture Content
		Proof Roll	N/A	Entire Length / Area	No rutting greater than 1.5" and no "pumping" of the soil beneath/behind the loaded truck. See testing requirements for additional information.
	Temporary Roads Intersection Improvements Spur Roads ² Turbine Pads (Staging Areas)	Proof Roll	N/A	Entire Length / Area	No rutting greater than 1.5" and no "pumping" of the soil beneath/behind the loaded truck. See testing requirements for additional information.
General Fill (for Mass Grading)	Source (On -Site Borrow) (Imported Fill) (Common Excavation)	Standard Proctor	ASTM D-698	1 per soil type/source as determined by independent testing agency	N/A
		Moisture Content	ASTM D-2216		
		Atterberg Limits	ASTM D-4318		
	Embankments Turbine Pads (Staging Areas) Access Roads Intersection Improvements Public Road Improvements Substation Area O&M Area	Nuclear Density	ASTM D-6938	1 test per 5,000 SF per lift 1 test per 30,000 SF per lift (Turbine Pads only)	95% of Standard Proctor Maximum Dry Density +/- 3% of Optimum Moisture Content
		Proof Roll	N/A	Entire Length / Area (Final Surface)	No rutting greater than 1.5" and no "pumping" of the soil beneath/behind the loaded truck. See earthwork specifications for additional information.
Aggregate Material	Quarry Testing (Pre-Placement)	Grain Size Analysis	ASTM C-136	Per source from quarry. Sample from site every 5,000CY.	See Table 2
		Atterberg Limits	ASTM D-4318		See Table 2
		Los Angeles Abrasion	ASTM C-131		See Table 2
	Access Roads Public Road Improvements Substation (Base Aggregate Only) O&M Area Intersection Improvements	Proof Roll	N/A	Entire Length / Area	No rutting greater than 1.5" and no "pumping" of the soil beneath/behind the loaded truck. See earthwork specifications for additional information.

¹ Structural design, recommendations, and testing for crane walks and crane pads is excluded from the engineering design contained within these plans. Refer to the geotechnical report, project specific crane walk/pad structural design (if available), geotechnical engineer, and/or contractor for specific information.

² Observation of the proof roll testing of spur roads may be performed by qualified contractor personnel.

GENERAL NOTES

- CONSTRUCTION PLANS ARE BASED OFF THE COORDINATE SYSTEM NAD83(2011) ILLINOIS EAST 1201 ZONE.
- SITE DRAINAGE INFRASTRUCTURE INCLUDING SWALES, ACCESS ROAD SWALE CROSSINGS, AND OUTLET FEATURES WILL BE SIZED FOR A 10 YEAR 24HR RAIN EVENT, 4.33 INCHES PER NOAA ATLAS 14, VOLUME 2, VERSION 3.
- THE ALTA SURVEY IS FROM TIMMONS, DATED 05/09/2025, AND IS IN PROGRESS.
- THE EXISTING PLANIMETRIC DATA IS FROM TIMMONS, RECEIVED 01/13/2025.
- THE ELEVATIONS AND CONTOURS SHOWN ON THESE CONSTRUCTION DRAWINGS WERE PREPARED FROM A COMBINATION OF ACTUAL FIELD SURVEYING AND AERIAL PHOTOGRAPHY DATA. THE CONTRACTOR SHALL NOTIFY THE CIVIL ENGINEER WHEN THEY FIND THAT GROUND ELEVATIONS DETERMINED DURING FIELD STAKING VARY FROM THE GROUND ELEVATIONS SHOWN ON THE DRAWINGS FOR POTENTIAL DESIGN MODIFICATIONS.
- WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE OWNER SHALL BE NOTIFIED AND ARE NOT TO BE REMOVED WITHOUT PERMISSION FROM THE OWNER. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING DRAINAGE THROUGHOUT THE CONSTRUCTION OF THIS PROJECT. CONSTRUCTION ACTIVITIES SHALL NOT BLOCK THE NATURAL DRAINAGE SWALES CAUSING RAINWATER TO POND. IF CULVERTS ARE NEEDED, THE CIVIL ENGINEER MUST BE CONTACTED FOR APPROPRIATE SIZING OF STRUCTURE. WHEN INSTALLING DRAINAGE CROSSINGS, THE CONTRACTOR SHALL USE JUDGMENT IN SETTING THE FLOW LINE ELEVATIONS TO PROVIDE POSITIVE DRAINAGE. WHEN POSSIBLE, ALL CULVERTS SHOULD BE PLACED AT A MINIMUM 0.5% GRADE.
- ANY FACILITIES REMOVED TO ALLOW FOR CONSTRUCTION (MAILBOXES, SIGNS, FENCES, ETC.) SHALL BE REPLACED BY THE CONTRACTOR IN A CONDITION AS GOOD AS PRE-EXISTING UNLESS INDICATED FOR REMOVAL.
- THE CONTRACTOR SHALL NOTIFY ILLINOIS 811 AT LEAST 48 HOURS BEFORE EXCAVATION ACTIVITIES COMMENCE.
- ALL CONSTRUCTION PERFORMED SHALL CONFORM WITH THE CURRENT STANDARDS AND SPECIFICATION OF COLES COUNTY. WHERE DISCREPANCIES EXIST BETWEEN THE PROJECT SPECIFICATIONS AND THE COUNTY SPECIFICATIONS OR STANDARD, THE CONTRACTOR SHALL ABIDE BY THE GREATER OR MORE RESTRICTIVE REQUIREMENTS.
- ELECTRONIC FILES ARE AVAILABLE FOR CONSTRUCTION OPERATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING TRAFFIC CONTROL DEVICES SUCH AS BARRICADES, WARNING SIGNS, DIRECTIONAL SIGNS, FLAGGERS, AND LIGHTS TO CONTROL THE MOVEMENT OF TRAFFIC WHERE NECESSARY. PLACEMENT OF THESE DEVICES SHALL BE APPROVED BY THE COUNTY/MUNICIPALITY AND CIVIL ENGINEER PRIOR TO PLACEMENT. TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE LATEST VERSION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- TEMPORARY FEATURES SHALL, UPON COMPLETION OF ALL PROJECT CONSTRUCTION OR UPON NOTIFICATION OF THE CIVIL ENGINEER, BE REMOVED AND THE AREA RESTORED TO APPROXIMATELY ORIGINAL LINES AND GRADES WITH TOPSOIL REPLACED, EXCEPT WHERE REQUESTED BY THE TOWNSHIP OR COUNTY TO PERMANENTLY REMAIN.
- ELECTRICAL INFORMATION SHOWN ON THE PLANS IS FOR REFERENCE ONLY. REFER TO ELECTRICAL PLANS FOR SPECIFIC LOCATIONS AND CONSTRUCTION DETAILS.
- GEOTECHNICAL REPORTS WITH RECOMMENDATIONS HAVE BEEN PROVIDED BY THE OWNER.
- WETLAND INFORMATION HAS BEEN PROVIDED BY THE OWNER. ALL WETLAND DELINEATIONS AND PERMITTING SHALL BE THE RESPONSIBILITY OF OTHERS. THE OWNER AND CONTRACTOR SHALL VERIFY THAT ALL WETLAND PERMITS HAVE BEEN SUBMITTED AND APPROVED PRIOR TO CONSTRUCTION COMMENCING.
- CULTURAL RESOURCE INFORMATION HAS BEEN PROVIDED BY THE OWNER. THE CONTRACTOR SHALL BE FAMILIAR WITH THE INFORMATION/REPORT AND REVIEW ALL RECOMMENDATIONS.
- AN ENVIRONMENTAL ASSESSMENT HAS BEEN PROVIDED. THE CONTRACTOR SHALL BE FAMILIAR WITH THE INFORMATION/REPORT AND REVIEW ALL RECOMMENDATIONS.
- WILDLIFE REPORT(S) HAVE BEEN PROVIDED. THE CONTRACTOR SHALL BE FAMILIAR WITH THE INFORMATION/REPORT(S) AND REVIEW ALL RECOMMENDATIONS.
- TURBINE SETBACKS ARE NOT IDENTIFIED ON THE CONSTRUCTION PLANS. IT SHALL BE THE RESPONSIBILITY OF THE OWNER AND CONTRACTOR TO ENSURE ALL TURBINE SETBACKS MEET PROJECT REQUIREMENTS.

TABLE 2: IDOT CA-6 AGGREGATE BASE TYPE A	
SIEVE SIZE	PERCENT PASSING
1-1/2"	100
1"	90-100
1/2"	60-90
#4	30-56
#16	10-40
#200	4-12
LA ABRASION (% MAX) = 40% PLASTICITY INDEX RATIO (#200/#40)= LESS THAN 0.6 OR PLASTICITY INDEX = 0-6	



PREPARED FOR:



120 Garrett St Suite 700
Charlottesville, VA 22902

REVISIONS:					
#	DATE	COMMENT	BY	CHK	APR
0	07/25/2025	ISSUED FOR CONSTRUCTION	SL	GN	PM
1	07/29/2025	UPDATED ACCESS ROAD T-39/45	SL	GN	PM
2	08/08/2025	UPDATED TURBINE T-39/47	DM	GN	PM
3	08/15/2025	DFP REVISION	GN	PM	GN

Coles Wind Project
Coles County, Illinois

Construction Notes

ISSUED FOR CONSTRUCTION

DATE: 08/15/2025
SHEET: C714
REV: 3

EROSION AND SEDIMENT CONTROL CONSTRUCTION NOTES:

REFERENCE INFORMATION

- 1. CONSTRUCTION STORMWATER AUTHORITY HAVING JURISDICTION: ILLINOIS ENVIRONMENTAL PROTECT AGENCY
- 2. CONSTRUCTION STORMWATER GENERAL PERMIT:
 - GENERAL NPDES PERMIT FOR STORM WATER DISCHARGES FROM CONSTRUCTION SITE ACTIVITIES (ILR10)
 - <https://epa.illinois.gov/topics/forms/water-permits/storm-water/general-permits.html>
 - <https://epa.illinois.gov/content/dam/soi/en/web/epa/topics/forms/water-permits/storm-water/documents/General-Npdes-Permit-ilr10-Construction.pdf>
- 3. STATE-SPECIFIC BEST MANAGEMENT PRACTICE (BMP) MANUAL AND GUIDANCE:
 - <https://illinoisurbanmanual.org/>
 - https://illinoisurbanmanual.org/wp-content/uploads/2019/04/IUM_FM_2013_FINAL_FINAL_11.4.13.pdf
- 4. REFER TO STORMWATER POLLUTION PREVENTION PLAN (SWPPP) PREPARED BY WESTWOOD FOR ADDITIONAL AND DETAILED INFORMATION.

PERMIT COVERAGE FOR CONSTRUCTION ACTIVITIES

- 1. CONSTRUCTION GENERAL STORMWATER PERMIT COVERAGE APPLIES TO ALL CONSTRUCTION ACTIVITIES FROM ANY PARTY/CRAFT/SUBCONTRACTOR.
- 2. CONTRACTOR IS RESPONSIBLE TO IMPLEMENT AND MAINTAIN BMPS AND CONDUCT REGULAR INSPECTIONS DURING ALL CONSTRUCTION WORK.

GENERAL EROSION AND SEDIMENT CONTROL NOTES

- 1. THE CONTRACTOR/PRIMARY OPERATOR IS TO PROVIDE EROSION AND SEDIMENT CONTROL MEASURES AS PLANNED AND SPECIFIED FOLLOWING BEST MANAGEMENT PRACTICES (BMPS) OUTLINED IN THESE PLANS AND BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY AND BEING IN CONFORMANCE WITH THE GENERAL NPDES PERMIT FOR STORM WATER DISCHARGES FROM CONSTRUCTION SITE ACTIVITIES (ILR10).
- 2. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND PERMITEE TO MAINTAIN PERMIT COMPLIANCE.
- 3. SEE THE PROJECT SITE PLANS AND ASSOCIATED STORMWATER POLLUTION PREVENTION PLAN (SWPPP) FOR EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES AND RESTORATION INFORMATION. UNLESS OTHERWISE NOTED OR MODIFIED IN THE SWPPP/HEREIN, ALL SECTIONS OF THE GENERAL PERMIT SHALL APPLY.
- 4. THE CONTRACTOR/PRIMARY OPERATOR IS RESPONSIBLE FOR MAINTAINING THE SWPPP'S AVAILABILITY ONSITE AND AS REQUIRED.
- 5. QUALIFIED, TRAINED, AND KNOWLEDGEABLE PERSONNEL MUST BE PRESENT ON-SITE TO MANAGE THE IMPLEMENTATION OF BMPS, INSPECTIONS, AND COMPLIANCE.
- 6. ALL CONSTRUCTION CONTRACTORS AND SUBCONTRACTOR PERSONNEL ARE TO BE TRAINED IN THE IMPLEMENTATION AND USE OF THE REQUIRED BMPS AND GOOD HOUSEKEEPING MEASURES FOR THE PROJECT SITE. TRAINING DOCUMENTATION SHALL BE MAINTAINED IN THE SWPPP.
- 7. THE PROJECT SITE IS TO BE MAINTAINED IN SUCH A CONDITION THAT A STORM DOES NOT CARRY WASTES OR POLLUTANTS OFF THE SITE. NON-STORMWATER POLLUTANT DISCHARGES ARE PROHIBITED. PROHIBITED DISCHARGES INCLUDE, BUT ARE NOT LIMITED TO: WASTEWATER FROM WASHOUT OF CONCRETE, STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS AND OTHER CONSTRUCTION MATERIALS, FUELS, OILS, OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE. SOAPS OR SOLVENTS USED IN VEHICLE AND EQUIPMENT WASHING AND MAINTENANCE, AND OTHER HAZARDOUS SUBSTANCES OR WASTES. DISPOSAL OF SUCH MATERIALS SHOULD OCCUR IN A SPECIFIED AND CONTROLLED TEMPORARY AREA ON-SITE PHYSICALLY SEPARATE FROM POTENTIAL STORMWATER RUNOFF, WITH ULTIMATE DISPOSAL IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REQUIREMENTS.
- 8. DISCHARGING CONTAMINATED GROUNDWATER PRODUCED BY DEWATERING THAT HAS INFILTRATED INTO THE CONSTRUCTION SITE IS PROHIBITED.
- 9. DISCHARGING OF CONTAMINATED SOILS VIA SURFACE EROSION IS PROHIBITED.
- 10. RUNOFF FROM EQUIPMENT AND VEHICLE WASHING IS TO BE CONTAINED ON-SITE AND NOT DISCHARGED TO RECEIVING WATERS OR LOCAL DRAINAGE SYSTEM.
- 11. APPROPRIATE BMPS FOR CONSTRUCTION-RELATED MATERIALS, WASTES, SPILLS OR RESIDUES ARE TO BE IMPLEMENTED TO ELIMINATE OR REDUCE TRANSPORT FROM THE SITE TO STREETS, DRAINAGE FACILITIES, OR ADJOINING PROPERTIES BY WIND OR STORMWATER RUNOFF.
- 12. AT THE END OF EACH DAY OF CONSTRUCTION ACTIVITY, ALL CONSTRUCTION DEBRIS AND WASTE MATERIALS ARE TO BE COLLECTED AND PROPERLY DISPOSED OF IN TRASH OR RECYCLE BINS.
- 13. REFER TO SPILL PREVENTION, CONTROL, AND COUNTERMEASURE (SPCC) PLAN FOR SPILL CONTAINMENT AND CLEANUP REQUIREMENTS FOR CONTAMINATED SOILS.
- 14. ALL DRAINAGE SWALES AND/OR AREAS OF CONCENTRATED FLOW DISTURBED DURING CONSTRUCTION ARE TO BE REWORKED AND STABILIZED IMMEDIATELY IN ACCORDANCE WITH THE SWPPP.
- 15. MAINTAIN EXISTING DRAINAGE WHEN PLACING STOCKPILES AND WINDROWS TO AVOID FLOODING WORK AREA AND ADJACENT FIELDS.
- 16. TOPSOIL SHALL BE STRIPPED, SEGREGATED, AND STOCKPILED SEPARATELY FROM SUBSOIL. DO NOT MIX TOPSOIL WITH SUBSOIL.

CONSTRUCTION PHASING/SEQUENCING

- 1. CONSTRUCTION PHASING AND BEST MANAGEMENT PRACTICES ARE TO BE IMPLEMENTED TO REDUCE SEDIMENT RUNOFF, AND PRESERVE NATURAL RESOURCES.
- 2. GENERAL SEQUENCING WITHIN EACH PHASE AND WORK AREA: INSTALL PERIMETER SEDIMENT CONTROLS (PSC), CLEAR AND GRUB, STRIP AND STOCKPILE TOPSOIL, MASS GRADING, RESPREAD TOPSOIL, SOIL STABILIZATION, TEMPORARY/PERMANENT EROSION AND SEDIMENT CONTROLS, BMP MAINTENANCE, FINAL STABILIZATION, AND REMOVE PSC. REFER TO THE SWPPP FOR ADDITIONAL INFORMATION.
- 3. THE CONSTRUCTION SITE IS TO BE MANAGED TO MINIMIZE THE EXPOSURE TIME OF DISTURBED SOIL AREAS THROUGH PHASING AND SCHEDULING OF EARTH DISTURBING ACTIVITIES AND PERSISTENT APPLICATIONS OF TEMPORARY AND PERMANENT SOIL STABILIZATION.
- 4. AREAS THAT ARE CLEARED, GRADED, OR DISTURBED AT ANY GIVEN TIME SHALL BE LIMITED TO:
 - 4.1. ONLY THE PORTION OF THE SITE THAT IS NECESSARY FOR CONSTRUCTION.
 - 4.2. ONLY AN AREA THAT CAN BE EFFECTIVELY CONTROLLED AND MAINTAINED BY THE AVAILABLE PERSONNEL AND MATERIAL.
- 5. IF POSSIBLE, EARTH DISTURBING ACTIVITIES SHOULD COINCIDE WITH THE DRY SEASON TO MINIMIZE EROSION AND SEDIMENT TRANSPORT.
- 6. IF THERE IS A CARRYOVER OF STOCKPILED MATERIAL FROM ONE PHASE/REGION TO THE NEXT, POSITION CARRYOVER MATERIAL IN A LOCATION EASILY ACCESSIBLE FOR THE PENDING PHASE THAT WILL NOT REQUIRE DISTURBANCE OF STABILIZED AREAS TO ACCESS THE STOCKPILE.

BMP PHASING/IMPLEMENTATION

- 1. EROSION AND SEDIMENT CONTROL BMPS, INCLUDING TEMPORARY AND PERMANENT STABILIZATION OF ALL DISTURBANCE, ARE TO BE IMPLEMENTED AS SPECIFIED IN THE SWPPP AND WITHIN THE APPLICABLE TIMEFRAMES.
- 2. ALL PERIMETER SEDIMENT CONTROLS ARE TO BE INSTALLED PRIOR TO ANY UP-GRADIENT EARTH DISTURBING ACTIVITIES.
- 3. ALL BMPS MUST BE INSPECTED, MAINTAINED, AND REPAIRED TO ENSURE CONTINUOUS FUNCTIONALITY.
- 4. PERSISTENT APPLICATIONS OF SOIL STABILIZATION TO BE APPLIED TO DISTURBED AREA THROUGHOUT CONSTRUCTION.
- 5. ALL PERIMETER SEDIMENT CONTROLS SHALL REMAIN IN-PLACE UNTIL UP-GRADIENT FINAL STABILIZATION IS COMPLETE.

INSPECTION SCHEDULE

ENVIRONMENTAL MONITORING AND INSPECTIONS ARE TO BE CONDUCTED REGULARLY TO ENSURE COMPLIANCE WITH ENVIRONMENTAL REQUIREMENTS AND IDENTIFY ANY POTENTIAL ISSUES AT THE FOLLOWING INTERVALS:

- 1. ONCE EVERY 7 CALENDAR DAYS OR ONCE EVERY 14 DAYS AND WITHIN 24 HOURS OF THE END OF A STORM EVENT OF 0.25 INCHES OR GREATER.
- 2. ONCE PER MONTH FOR AREAS OF THE SITE THAT MEET FINAL STABILIZATION, HAVE BEEN TEMPORARILY STABILIZED, OR RUNOFF IS UNLIKELY DUE TO FROZEN CONDITIONS.

STABILIZATION SCHEDULE

- 1. OPERATORS MUST, AT A MINIMUM, INITIATE SOIL STABILIZATION MEASURES IMMEDIATELY WHENEVER ANY CLEARING, GRADING, EXCAVATING, OR OTHER EARTH DISTURBING ACTIVITIES HAVE PERMANENTLY CEASED ON ANY PORTION OF THE SITE, OR TEMPORARILY CEASED ON ANY PORTION OF THE SITE AND WILL NOT RESUME FOR A PERIOD EXCEEDING 14 CALENDAR DAYS.
- 2. WHERE THE INITIATION OF STABILIZATION MEASURES IS PRECLUDED BY SNOW COVER, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE.
- 3. TEMPORARY AND PERMANENT SOIL STABILIZATION MEASURES SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION PROCESSES UNTIL FINAL STABILIZATION HAS BEEN ACHIEVED AND NO FURTHER DISTURBANCE ACTIVITIES ARE PLANNED.

MAINTENANCE SCHEDULE

- 1. EROSION AND SEDIMENT CONTROLS THAT HAVE BEEN INTENTIONALLY DISABLED, RUN-OVER, REMOVED, OR OTHERWISE RENDERED INEFFECTIVE MUST BE REPLACED OR CORRECTED IMMEDIATELY UPON DISCOVERY.
- 2. MAINTENANCE MUST BE COMPLETED PRIOR TO THE NEXT ANTICIPATED RAINFALL EVENT.
- 3. MAINTENANCE MUST BE COMPLETED PER THE SCHEDULE SPECIFIED IN THE PROJECT SWPPP.

EROSION AND SEDIMENT CONTROL RECOMMENDED PRACTICES

- 1. CONTACT ENGINEER FOR ALTERNATIVE RECOMMENDATIONS OR ADDITIONAL DETAILS.
- 2. REFER TO SHEETS C707-C710 FOR BMP DETAILS AND THE PROJECT SWPPP.
- 3. SELECT BMP LOCATIONS ARE SHOWN ON THE PLANS. FIELD ADJUSTMENTS, ALTERNATIVES, OR ADDITIONAL BMPS MAY BE IMPLEMENTED TO ALIGN WITH THE CONTRACTOR'S MEANS AND METHODS, FIELD CONDITIONS, INSPECTIONS, AND ACTIVE CONSTRUCTION ACTIVITIES. MULTIPLE APPLICATIONS MAY BE NECESSARY.
- 4. DUST CONTROL MEASURES ARE TO BE IMPLEMENTED TO MINIMIZE AIRBORNE DUST EMISSIONS AND PROTECT AIR QUALITY.
- 5. NATIVE/EXISTING VEGETATION AND BUFFERS ARE TO BE PRESERVED AND PROTECTED TO THE EXTENT POSSIBLE AND REVEGETATED AS REQUIRED.
- 6. PRESERVE 50' BUFFER FOR ALL WETLANDS, STREAMS, WATER BODIES, AND SENSITIVE AREAS. REDUNDANT SEDIMENT CONTROLS ARE REQUIRED WITHIN 50' BUFFER.
- 7. ALL SOIL STOCKPILES AND WINDROWS SHALL HAVE TEMPORARY EROSION CONTROL MEASURES APPLIED.
- 8. ALL DISTURBED AREAS DURING CONSTRUCTION ARE TO BE STABILIZED OR RE-STABILIZED FOLLOWING THE ACTIVITIES THAT CAUSED THE DISTURBANCE.

EROSION AND SEDIMENT CONTROL TYPE OR SITUATION	BEST MANAGEMENT PRACTICE (BMP)			DETAIL REFERENCE	
GENERAL BEST PRACTICES	DELINEATION OR FENCING OF NO DISTURBANCE AREAS AND SENSITIVE OR PROTECTED FEATURES				
	LIMIT DISTURBANCE AND PRESERVE EXISTING VEGETATION WHERE FEASIBLE				
NON-STRUCTURAL CONTROLS	CONSTRUCTION PHASING/SEQUENCING				
	AREAS OF PLANNED DISTURBANCE				
	TRAFFIC CONTROL				
SITE ENTRANCE / EXIT	VEHICLE TRACKOUT CONTROL			SW-40	
CONSTRUCTION PERIMETER	DELINEATION OR FENCING OF NO DISTURBANCE AREAS AND SENSITIVE OR PROTECTED FEATURES				
	PRESERVE EXISTING VEGETATION AT CONSTRUCTION PERIMETER				
	REDUNDANT SEDIMENT CONTROLS WITHIN 50' OF SENSITIVE OR PROTECTED FEATURES				
	PERIMETER SEDIMENT CONTROLS (PSC)	SILT FENCE		SW-11 OR SW-12	
		SEDIMENT CONTROL LOGS <i>SMALL DRAINAGE AREAS WITH SLOPES <3%</i>		SW-13	
		SLASH MULCH BERM <i>MATERIAL FROM TREE CLEARING</i>			
		TOPSOIL BERM		SW-29	
		J-HOOKS <i>PSC UP/DOWN CONTOURS</i>		SW-18	
STRUCTURAL OVERFLOW / DRAINAGE OUTLETS		SW-19 AND SW-22			
<i>PSC LOW POINTS</i>					
DISTURBED SOIL AREAS (SOIL STABILIZATION)	SEEDING TO INCLUDE ANNUAL AND PERENNIAL SEEDS				
	SLOPES ≤ 6%	STABILIZATION	ANCHORED STRAW MULCH <i>WITH SEEDING</i>	SW-80	
		STABILIZATION	ANCHORED STRAW MULCH <i>WITH SEEDING</i>	SW-80	
	SLOPES 6% ≤ 25%	<i>VELOCITY AND SEDIMENT CONTROL</i>	SEDIMENT CONTROL LOGS ON SLOPES <i>SEE DETAIL FOR SPACING</i>	SW-05	
		STABILIZATION	EROSION CONTROL BLANKET FOR SLOPES <i>WITH SEEDING</i>	SW-01	
	SLOPES > 25%	STABILIZATION	HYDRAULICALLY APPLIED MATERIAL <i>WITH SEEDING</i>	SW-04	
		<i>VELOCITY AND SEDIMENT CONTROL</i>	SLOPE TRACKING / ROUGHENING <i>TEMPORARY CONDITIONS</i>	SW-03	
			SEDIMENT CONTROL LOGS ON SLOPES <i>SEE DETAIL FOR SPACING</i>	SW-05	
			AREAS OF CONCENTRATED FLOW (CHANNEL STABILIZATION)	EXISTING DRAINAGE PATHS AND PROPOSED DITCHES AND BERMS	STRUCTURAL DRAINAGE FEATURE
	BROW BERM				
RIPRAP OUTLET ON STEEP SLOPE					
FLUME OR CULVERT DOWNDRAIN					
LEVEL SPREADER					
STABILIZATION (IF NOT ROCK LINED)	EROSION CONTROL BLANKET FOR CHANNEL <i>WITH SEEDING</i>	SW-02			
	TURF REINFORCEMENT MAT <i>WITH SEEDING</i>	SW-02			
	<i>VELOCITY AND SEDIMENT CONTROL</i>	FIBER LOGS IN DITCH <i>SEE DETAIL FOR SPACING</i>		SW-06	
		ROCK CHECK DAMS <i>SEE DETAIL FOR SPACING</i>		SW-31	
WTG EXCAVATIONS	TOPSOIL BERM AND PERIMETER SEDIMENT CONTROL			SW-16	
LINEAR DISTURBANCE UP/DOWN SLOPES	VELOCITY CHECKS FOR ACCESS ROADS, CRANE OR COLLECTION UP/DOWN SLOPES			SW-07	
ACCESS ROADS	GRAVEL SURFACING				
	WATER BARS OR EQUIVALENT <i>ROAD GRADES > 5%</i>				
DRAINAGE CROSSINGS	TEMPORARY CROSSINGS (CRANE)	CRANE MATS		CR-02	
		TEMPORARY CULVERT		CR-03 AND CR-04	
	PERMANENT CROSSINGS (ACCESS ROAD)	STANDARD LOW WATER CROSSING		DN-01	
		HEAVY DUTY LOW WATER CROSSING		DN-02	
		CULVERT		DN-03	
		STANDARD LOW WATER CROSSING WITH CULVERT			
		RIPRAP AT CULVERT ENDS		DN-30 AND DN-31	
ELECTRICAL COLLECTION	BORINGS			SW-65 AND SW-67	
	TRENCH THROUGH DRAINAGE PATH			SW-66	
SOIL STOCKPILES	SOIL STOCKPILE PROTECTION			SW-10	



8/15/25
Paige Mortenson
Chf: 11/30/25

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REVISIONS:

#	DATE	COMMENT	BY	CHK	APR
0	07/25/2025	ISSUED FOR CONSTRUCTION	SL	GN	PM
1	07/29/2025	UPDATED ACCESS ROAD T-39/45	SL	GN	PM
2	08/08/2025	UPDATED TURBINE T-39/47	DM	GN	PM
3	08/15/2025	DFP REVISION	GN	PM	GN

Coles Wind Project

Coles County, Illinois

Erosion & Sediment Control Notes

ISSUED FOR CONSTRUCTION

DATE: 08/15/2025

SHEET: C715

REV:

3

ACCESS ROAD CEMENT STABILIZATION

1. GENERAL

- a. THIS SECTION DESCRIBES WORK RELATED TO ACCESS ROAD SUBGRADE SOIL STABILIZED WITH PORTLAND CEMENT. THIS SECTION DOES NOT INCLUDE CEMENT STABILIZATION FOR OTHER PROJECT INFRASTRUCTURE, SUCH AS CRANE WALKS, CRANE PADS, LAYDOWN YARDS, OR SUBGRADE BELOW FOUNDATIONS, UNLESS SPECIFICALLY STATED IN THESE PLANS.
- b. IT IS EXPECTED THAT AGGREGATE-SURFACED ACCESS ROADS WILL REQUIRE ONGOING MAINTENANCE DURING CONSTRUCTION AND OVER THE LIFE OF THE PERMANENT FACILITY TO KEEP THEM IN A SERVICEABLE CONDITION, REGARDLESS OF THE AGGREGATE THICKNESS AND SUBGRADE PREPARATION. IT IS NOT PRACTICAL TO DESIGN AN AGGREGATE SECTION OF ADEQUATE THICKNESS THAT PREVENTS ONGOING MAINTENANCE. RUTS, DEPRESSIONS, AND SOFT SUBGRADE SHOULD BE REPAIRED AS NEEDED TO FACILITATE TRAFFIC. THROUGHOUT THE OPERATIONAL LIFE OF THE PROJECT, ADDITIONAL AGGREGATE MAY BE PLACED IN RUTS AND DEPRESSIONS, OR THE ENTIRE AGGREGATE SECTION AND SOFT SUBGRADE MAY BE REMOVED AND REPLACED WITH A NEW AGGREGATE SECTION.

2. SUBMITTALS

- a. SUBMIT A QUALITY CONTROL PLAN TO ENGINEER FOR REVIEW ONLY, PRIOR TO CONSTRUCTION ACTIVITIES. THE PLAN SHOULD INCLUDE THE FOLLOWING ITEMS, AT A MINIMUM:
- a.1. QUALIFICATIONS FOR EXPERIENCED PERSONNEL OVERSEEING STABILIZATION
- a.2. REPRESENTATIVE MOISTURE-DENSITY RELATIONSHIP (PROCTOR) TESTS
- a.3. STABILIZATION DEPTH AND WIDTH
- a.4. CEMENT AND MOISTURE APPLICATION RATE MONITORING
- a.5. TEMPERATURE MONITORING
- a.6. MOISTURE/COMPACTION TESTS
- a.7. DYNAMIC CONE PENETROMETER (DCP) TEST EQUIPMENT AND PROCEDURE
- a.8. PROOF-ROLL VEHICLE TYPE AND WEIGHT
- a.9. SURFACE MOISTURE CONTROL FOR CURING
- a.10. CORRECTIVE ACTION PLAN IF SPECIFICATION IS NOT MET

- b. SUBMIT A TEST STRIP CONSTRUCTION PLAN, INCLUDING THE FOLLOWING ITEMS, AT A MINIMUM:

- b.1. TEST STRIP LOCATIONS AND LENGTHS
- b.2. CEMENT APPLICATION RATES
- b.3. QUALITY CONTROL PLAN

3. MATERIALS

- a. CEMENT: ANY TYPE OF PORTLAND CEMENT THAT COMPLIES WITH ASTM C150 OR C595.
- b. WATER: RELATIVELY CLEAN AND FREE FROM HARMFUL AMOUNTS OF ALKALIES, ACIDS, OR ORGANIC MATTER.
- c. AGGREGATE: REFER TO CONSTRUCTION NOTES ON SHEET C714.
- d. GEOTEXTILE: REFER TO CONSTRUCTION NOTES ON SHEET C714.

4. CONSTRUCTION

- a. TEST STRIPS
- a.1. AT THE START OF ACCESS ROAD CONSTRUCTION, CONTRACTOR SHALL CONSTRUCT TEST STRIPS, EACH 300 LF, AT A MINIMUM OF THREE DIFFERENT CEMENT CONTENTS CHOSEN BY THE CONTRACTOR (FOR EXAMPLE 5%, 7%, AND 9%). TEST STRIPS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CONSTRUCTION SPECIFICATIONS WITHIN THIS SECTION.
- a.2. STABILIZATION MAY PROCEED USING THE CEMENT APPLICATION RATE THAT PRODUCES PASSING INSPECTION AND TESTING RESULTS FOR THE TEST STRIP. DO NOT PROCEED WITH STABILIZATION IF THE INSPECTION AND TESTING REQUIREMENTS ARE NOT MET. CONSTRUCT ADDITIONAL TEST STRIPS WITH HIGHER CEMENT APPLICATION RATES UNTIL PASSING INSPECTION AND TESTING REQUIREMENTS.
- b. PREPARATION
- b.1. STRIP TOPSOIL TO THE DEPTH OF AGGREGATE THICKNESS, OR AS DETERMINED IN THE FIELD, SO THAT FINISHED ROAD GRADE IS LEVEL WITH THE SURROUNDING GRADE. STRIPPING DEPTH MAY NEED TO EXTEND DEEPER TO REMOVE ROOTS/ORGANICS AND ACHIEVE THE REQUIRED CEMENT STABILIZED SUBGRADE STRENGTH. ROOTS SMALLER THAN 1/2 INCH DIAMETER ARE ACCEPTABLE.
- b.2. SHAPE SUBGRADE TO THE PROPER WIDTH AND GRADE.
- b.3. THE CONSTRUCTION MATERIALS TESTING COMPANY SHALL EVALUATE SUBGRADE MATERIAL TO DETERMINE IF A REPRESENTATIVE MOISTURE-DENSITY RELATIONSHIP (PROCTOR) TEST EXISTS, AND IF NOT A NEW PROCTOR TEST SHALL BE PERFORMED.
- b.4. DETERMINE THE IN-SITU MOISTURE CONTENT OF THE SUBGRADE SHORTLY BEFORE SPREADING CEMENT USING A NUCLEAR DENSITY GAUGE OR OTHER SUITABLE DEVICE. PERFORM ADDITIONAL MOISTURE CONTENT CHECKS IF WEATHER CONDITIONS OR SOIL CONDITIONS CHANGE. SEE BEST PRACTICES FOR SUBGRADE MOISTURE RECOMMENDATIONS.
- b.5. DO NOT STABILIZE SUBGRADE THAT IS FROZEN. REFER TO BEST PRACTICES FOR ADDITIONAL TEMPERATURE RECOMMENDATIONS.
- c. SPREADING CEMENT
- c.1. APPLY CEMENT AT A RATE THAT ENSURES THE WEIGHT SPREAD IS WITHIN 10% OF THE DESIRED AMOUNT. FURNISH A SQUARE-YARD CLOTH, SCALES, WEIGHT TICKETS, AND/OR PERSONNEL TO CHECK THE SPREAD RATE OF CEMENT PLACED.
- c.2. UNIFORMLY SPREAD CEMENT TO THE FULL WIDTH OF THE AREA TO BE COVERED.
- c.3. CEMENT APPLICATION RATE MAY NEED TO BE ADJUSTED THROUGHOUT CONSTRUCTION TO ACHIEVE DESIRED RESULTS BASED ON FIELD CONDITIONS.
- d. MIXING
- d.1. BEGIN MIXING AS SOON AS PRACTICAL AFTER THE CEMENT IS SPREAD, AND CONTINUE UNTIL A HOMOGENEOUS AND UNIFORM MIXTURE IS PRODUCED TO THE DEPTH AND WIDTH SPECIFIED IN THE DESIGN DOCUMENTS.
- d.2. MIX AT A SPEED THAT ENSURES A UNIFORM MIXTURE OF SOIL, CEMENT, AND WATER.
- d.3. PULVERIZE SUBGRADE DURING MIXING PROCESS TO AVOID LARGE CLOUDS OF SOIL. REFER TO BEST PRACTICES FOR RECOMMENDATIONS.
- d.4. APPLY WATER THROUGH A METERING DEVICE SUCH AS THE RECLAIMER TO UNIFORMLY DISTRIBUTE THE PROPER AMOUNT OF WATER. SEE BEST PRACTICES FOR SUBGRADE MOISTURE RECOMMENDATIONS.
- d.5. IF STABILIZATION HALTS AND NEEDS TO BE RESUMED AT A LATER TIME, CONSTRUCTION JOINTS SHALL BE FORMED BY CUTTING BACK INTO THE COMPLETED WORK A MINIMUM OF 2 FEET.
- e. COMPACTION AND FINISHING
- e.1. BEGIN COMPACTION IMMEDIATELY AFTER SOIL, CEMENT, AND WATER HAVE BEEN MIXED, TYPICALLY WITHIN 45 MINUTES OF MIXING. COMPLETE COMPACTION WITHIN 2 HOURS.
- e.2. COMPACT THE STABILIZED SUBGRADE TO THE SPECIFICATIONS PRESENTED IN **TABLE CS2** AND UNTIL NO EVIDENCE OF FURTHER COMPACTION IS OBSERVED.
- e.3. COMPACTION SHALL BE PERFORMED WITH MULTIPLE PASSES OF A SHEEP FOOT OR TAMPING ROLLER (FOR FINE-GRAINED SOIL), AND FINISHED BY A SMOOTH DRUM ROLLER TO SET THE FINAL ROAD PROFILE.
- e.4. PLACE AGGREGATE ON STABILIZED SUBGRADE AFTER PASSING THE PROOF-ROLL AND DCP TESTING SPECIFICATIONS IN THE INSPECTION AND TEST NOTES ON THIS SHEET. REFER TO ACCESS ROAD CROSS SECTION DETAILS IN THE CONSTRUCTION DETAILS FOR AGGREGATE THICKNESS AND WIDTH. AGGREGATE THICKNESS APPLIES TO THE BEGINNING OF CONSTRUCTION. ADDITIONAL AGGREGATE MAY BE REQUIRED AT THE END OF CONSTRUCTION DUE TO AGGREGATE LOSS FROM ROAD USE, IF REQUIRED BY OWNER SPECIFICATIONS.

5. INSPECTION AND TESTING

- a. REFER TO **TABLE CS1** AND **TABLE CS2** FOR TESTING SPECIFICATIONS.
- b. ONCE THE MINIMUM REQUIRED CBR IS ACHIEVED AT OR BEFORE THE CORRESPONDING TIME PERIOD SHOWN IN **TABLE CS1**, BUT NO SOONER THAN 24 HOURS AFTER COMPACTION, THE CONTRACTOR MAY PROCEED WITH PROOF-ROLL TESTING. FUTURE DCP TESTING ON THAT SEGMENT OF SUBGRADE IS NOT REQUIRED.
- c. IF DCP TESTING SPECIFICATIONS ARE NOT MET WITHIN 7 DAYS, ADDITIONAL TESTS MAY BE PERFORMED AT A LATER DATE (E.G., 14 DAYS). THE SECTION MAY BE RE-STABILIZED WITH ADDITIONAL CEMENT, OR ADDITIONAL AGGREGATE SURFACE AND/OR THE ADDITION OF GEOTEXTILE MAY BE REQUIRED. REFER TO **TABLE CS3** FOR ALTERNATE ACCESS ROAD SECTIONS, OR CONTACT ENGINEER FOR ADDITIONAL RECOMMENDATIONS. COMPLETE SUBGRADE FAILURE OR EXCESSIVE RUTTING MAY OCCUR IF NO REMEDIAL ACTION IS TAKEN.
- d. PROOF-ROLLING SHALL BE PERFORMED PRIOR TO PLACING AGGREGATE AND IN THE PRESENCE OF A QUALIFIED GEOTECHNICAL REPRESENTATIVE. REFER TO **TABLE CS2** AND CONSTRUCTION NOTES ON SHEET C714 FOR PROOF-ROLL TESTING AND EQUIPMENT SPECIFICATIONS.
- e. PROOF-ROLLING SHALL BE PERFORMED WITH A MINIMUM OF TWO PASSES BUT NOT WITHIN 12 INCHES OF THE EDGE OF THE STABILIZED SECTION.
- f. IF PROOF-ROLLS FAIL, TEST THE FAILED AREA WITH DCP AND USE AN ALTERNATE ROAD SECTION ACCORDING TO **TABLE CS3**, OR CONTACT ENGINEER FOR RECOMMENDATIONS.
- g. REFER TO THE CONSTRUCTION NOTES ON SHEET C714 FOR AGGREGATE PLACEMENT, INSPECTION, AND TESTING SPECIFICATIONS.

BEST PRACTICES FOR CEMENT STABILIZATION

THE FOLLOWING RECOMMENDATIONS SHOULD BE CONSIDERED FOR BEST RESULTS:

1. WELL BEFORE CONSTRUCTION BEGINS, LABORATORY TESTS MAY BE PERFORMED ON NATIVE SOIL SAMPLES MIXED WITH VARIOUS AMOUNTS OF CEMENT AND TESTED FOR CBR AND/OR UNCONFINED COMPRESSIVE STRENGTH AT SEVERAL DIFFERENT CURE TIMES TO ASSESS THE FEASIBILITY OF CEMENT STABILIZATION AND ESTIMATED CEMENT APPLICATION RATES FOR TEST STRIPS AND CONSTRUCTION. LABORATORY TESTS ARE ESPECIALLY RECOMMENDED IF HIGH PLASTICITY CLAY, WET, AND/OR ORGANIC SOIL IS ANTICIPATED.
2. IT IS NOT RECOMMENDED TO MIX SOIL AND CEMENT IF AIR TEMPERATURES ARE PROJECTED TO BE BELOW 40 DEGREES FOR THE NEXT 3 DAYS OR BELOW 32 DEGREES FOR THE NEXT 7 DAYS. CONSULT ENGINEER PRIOR TO MIXING IF COLD TEMPERATURES ARE EXPECTED.
3. PROVIDE SUFFICIENT EQUIPMENT IN GOOD WORKING CONDITION TO ALLOW FOR CONTINUOUS AND UNIFORM BLENDING AND COMPACTION OF THE SUBGRADE. DISKING IS NOT AN ADEQUATE BLENDING METHOD. OPERATE EQUIPMENT SO THAT IT DOES NOT DISPLACE CEMENT SPREAD ON SUBGRADE SURFACE.
4. SUBGRADE SOIL SHOULD BE MOISTURE CONDITIONED TO NEAR OPTIMUM MOISTURE CONTENT PRIOR TO SPREADING CEMENT. REFER TO **TABLE CS4** FOR MOISTURE CONTENT ADJUSTMENT RECOMMENDATIONS. CONTACT ENGINEER IF MOISTURE CONDITIONING TO NEAR OPTIMUM IS NOT FEASIBLE.
5. PULVERIZE SUBGRADE DURING MIXING PROCESS UNTIL 100 PERCENT OF THE MATERIAL PASSES THROUGH A 1.5 INCH SIEVE AND AT LEAST 80 PERCENT OF THE MATERIAL, EXCLUDING GRAVEL, PASSES THROUGH THE NO. 4 (4.75 MM) SIEVE.
6. THE SURFACE OF THE STABILIZED SUBGRADE SHOULD BE MAINTAINED FOR THE FIRST WEEK FOLLOWING STABILIZATION TO PREVENT MOISTURE LOSS AFTER SHAPING AND COMPACTING TO ENSURE THAT CEMENT CAN FULLY HYDRATE. INADEQUATE MOISTURE AVAILABILITY WILL LOWER THE LONG TERM STRENGTH.
7. STABILIZE SUBGRADE 1 TO 2 FEET WIDER THAN THE PROPOSED AGGREGATE SURFACE ROAD WIDTH TO PROVIDE ADEQUATE STRENGTH FOR THE FULL ROAD WIDTH.

TABLE CS1 - CEMENT STABILIZED SUBGRADE CRITERIA				
DAYS ELAPSED BETWEEN COMPACTION AND DCP TEST ⁽¹⁾	MINIMUM CBR	MINIMUM DCP (BLOWS/4")	MINIMUM UNCONFINED COMPRESSIVE STRENGTH ⁽²⁾ (PSI)	ALLOWABLE BEARING CAPACITY ⁽³⁾ (PSF)
3	20	9	90	5,500
7	30	13	135	7,900
14	40	17	180	10,200
28	50	21	225	12,500
NOTES: (1) DCP TESTS MAY BE PERFORMED SOONER BUT MUST MEET THE MINIMUM CBR/DCP TEST CRITERIA FOR THE NEXT TIME INCREMENT. (2) UNCONFINED COMPRESSIVE STRENGTH BASED ON CORRELATIONS TO CBR, FOR REFERENCE ONLY UNLESS STATED OTHERWISE IN THESE SPECIFICATIONS. (3) ALLOWABLE BEARING CAPACITY BELOW A TIRE AT THE SURFACE OF 4" OF GRAVEL LAYER, INCLUDES A SAFETY FACTOR OF 1.5 AND ASSUMES AN UNSTABILIZED SUBGRADE CBR OF 1.5.				

TABLE CS2 - CEMENT STABILIZED SUBGRADE TESTING SCHEDULE				
LOCATION	TEST	ASTM STANDARD	FREQUENCY	SPECIFIED CRITERIA
CEMENT STABILIZED SUBGRADE (BEFORE CEMENT STABILIZATION)	STANDARD PROCTOR	D698	AS NEEDED	REPRESENTATIVE PROCTORS FOR ALL SUBGRADE MATERIAL ON SITE
	COMPACTION TEST W/ NUCLEAR DENSITY GAUGE	D6938	AS NEEDED (MIN. 1 PER ROAD PER DAY)	NEAR OPTIMUM MOISTURE CONTENT (SEE BEST PRACTICES) NO DENSITY CRITERIA
CEMENT STABILIZED SUBGRADE (TEST STRIPS)	COMPACTION TEST W/ NUCLEAR DENSITY GAUGE	D6938	1 PER 100 LF (MIN. 3 PER TEST STRIP)	95% OF MAXIMUM DRY DENSITY AND NEAR OPTIMUM (SEE BEST PRACTICES)
	DYNAMIC CONE PENETRATION (DCP)	D6951 (17.6 LB HAMMER)	3 PER 100 LF (TEST CENTERLINE AND 2' FROM EACH SHOULDER)	SEE TABLE CS1
	PROOF-ROLL	N/A	ENTIRE LENGTH	NO RUTTING GREATER THAN 3/4" AND NO PUMPING. SEE CONSTRUCTION NOTES FOR PROOF-ROLL EQUIPMENT.
CEMENT STABILIZED SUBGRADE (AFTER CEMENT STABILIZATION)	COMPACTION TEST W/ NUCLEAR DENSITY GAUGE	D6938	1 PER 500 LF UNTIL CONSISTENT PASSING RESULTS (MIN. 20 TESTS), THEN 1 PER 1,000 LF (MIN. 2 PER ROAD)	95% OF MAXIMUM DRY DENSITY AND NEAR OPTIMUM (SEE BEST PRACTICES)
	DYNAMIC CONE PENETRATION (DCP)	D6951 (17.6 LB HAMMER)	1 PER 500 LF IN EACH PASS OF THE RECLAIMER (MIN. 3 PER ROAD)	SEE TABLES CS1 AND CS3
	PROOF-ROLL	N/A	ENTIRE LENGTH	NO RUTTING GREATER THAN 3/4" AND NO PUMPING. SEE CONSTRUCTION NOTES FOR PROOF-ROLL EQUIPMENT.
AGGREGATE MATERIAL	REFER TO CONSTRUCTION NOTES ON SHEET C714			

TABLE CS3 - ALTERNATE ACCESS ROAD SECTIONS FOR LOCALIZED FAILED AREAS		
7 DAY DCP (BLOWS/4")	CBR	FINAL AGGREGATE THICKNESS (IN)
13	≥30	4
9 TO <13	20 TO <30	5
7 TO <9	15 TO <20	6
5 TO <7	10 TO <15	8*
< 5	CONTACT ENGINEER	
* OR 6 INCHES OF AGGREGATE OVER GEOTEXTILE		

TABLE CS4 - MOISTURE CONTENT ADJUSTMENTS

MOISTURE CONTENT RELATIVE TO OPTIMUM	RECOMMENDED ADJUSTMENT
DRY	ADD WATER DURING MIXING TO INCREASE MOISTURE TO SLIGHTLY ABOVE OPTIMUM
NEAR (WITHIN ±2%)	NO OR SLIGHT MOISTURE ADJUSTMENTS NEEDED, PENDING PASSING DCP TEST RESULTS
WET	DRY SOIL TO NEAR OPTIMUM PRIOR TO MIXING CEMENT BY SCARIFYING OR PRE-MIXING WITH LIME, AND/OR INCREASE CEMENT CONTENT DURING MIXING



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0	07/25/2025	ISSUED FOR CONSTRUCTION	SL	GN	PM
1	07/29/2025	UPDATED ACCESS ROAD T-39/45	SL	GN	PM
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3	08/15/2025	DFP REVISION	GN	PM	GN

Coles Wind Project
Coles County, Illinois

Cement Stabilization Notes

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3