



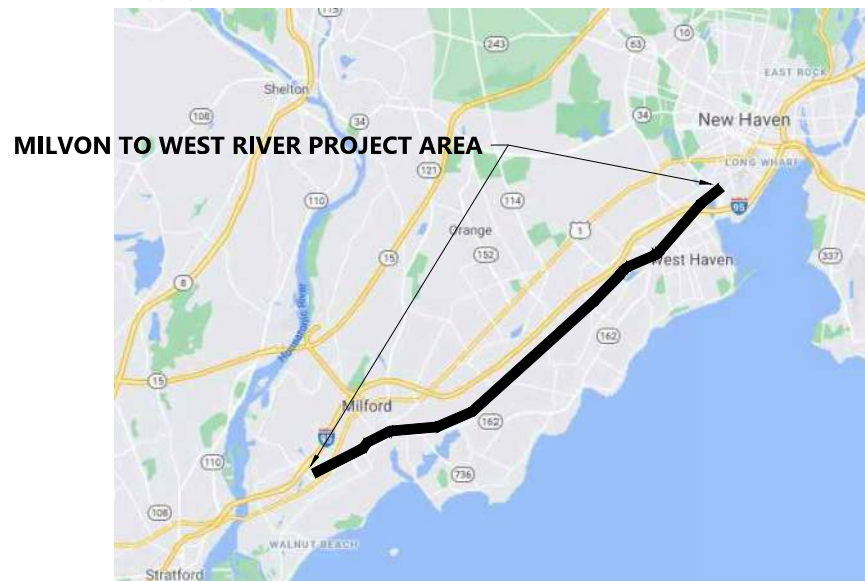
DEVELOPMENT & MANAGEMENT PLAN

MILVON TO WEST RIVER RAILROAD TRANSMISSION LINE 115-kV REBUILD PROJECT
(CONNECTICUT SITING COUNCIL DOCKET NO. 508)

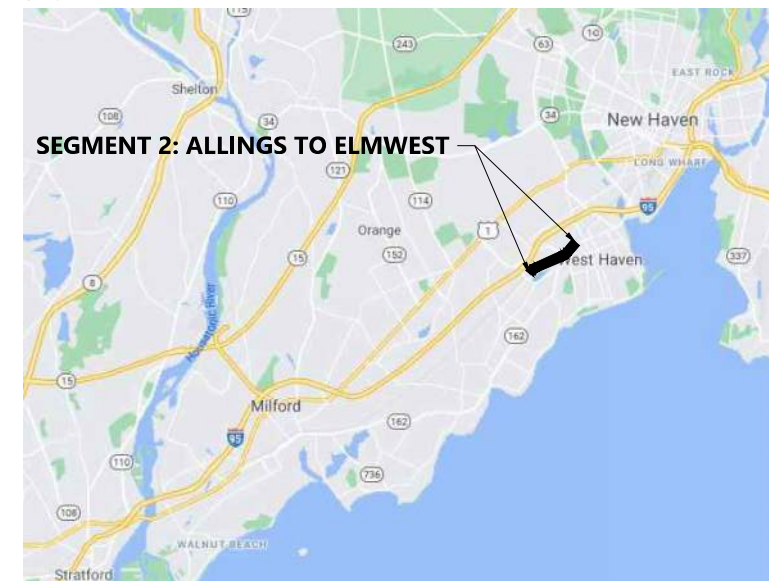
SEGMENT 2: ALLINGS CROSSING SUBSTATION TO ELMWEST SUBSTATION
CITY OF WEST HAVEN
NEW HAVEN COUNTY, CONNECTICUT

VOLUME 2: MAPS, DRAWINGS AND RESOURCE SPECIFICATIONS
JULY 2023

PROJECT MAP



SEGMENT MAP



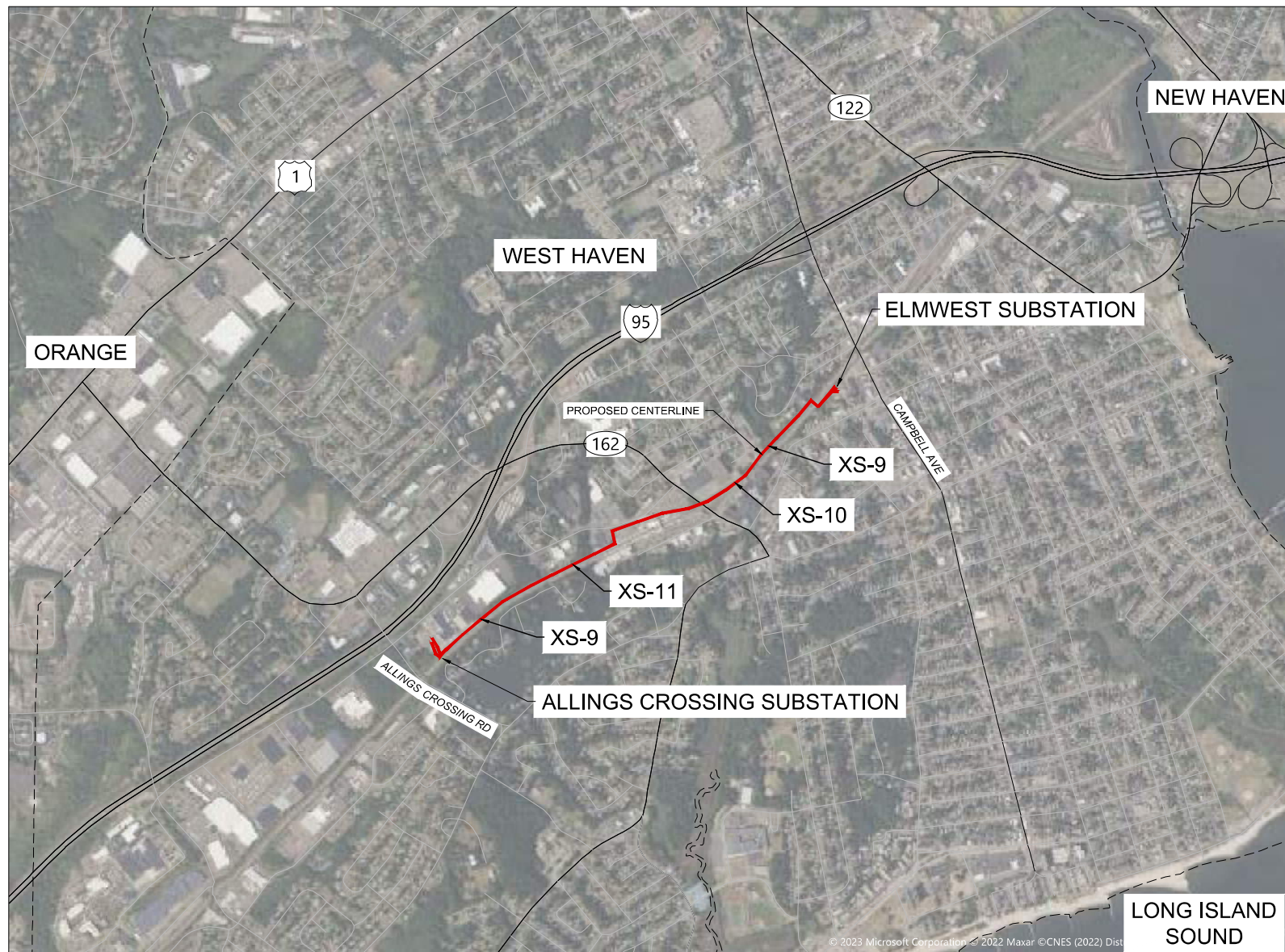
**Westwood
Surveying & Engineering**
Phone (952) 937-5150 1684 South Broad Street, Suite #300
Fax (952) 937-5822 Lansdale, PA 19446
Tel Free (888) 937-5150 ww-pec.com
Westwood Surveying and Engineering, P.C.

						UI 115-kV RR PROJECT MILVON TO WEST RIVER DEVELOPMENT & MANAGEMENT PLAN	
				COVER			
				DR. SFB		SCALE AS SHOWN FILE:	
				CK. JRD		NO.	
				APP. MSP			
				DATE:			
0-0A	2023/05/12	WESTWOOD	SEGMENT 2 D&M PLAN FOR CSC REVIEW				REV.
REV.	DATE	BY	DESCRIPTION	APP.	DATE:		0-0A

ANSI D CADD Drawings DO NOT REVISE MANUALLY.

THIS PAGE LEFT BLANK INTENTIONALLY

SHEET INDEX	
CROSS SECTIONS	
NUMBER	DESCRIPTION
XS 1 OF 3	CROSS SECTION 9
XS 2 OF 3	CROSS SECTION 10
XS 3 OF 3	CROSS SECTION 11
MAPSHEETS	
NUMBER	DESCRIPTION
MAPSHEET INDEX 1 OF 1	USGS COVER SHEET INDEX
MAPSHEETS 1 TO 6	D&M PLAN MAPSHEETS
SUB 1 OF 2	ALLINGS CROSSING SUBSTATION
SUB 2 OF 2	ELMWEST SUBSTATION
DETAIL SHEETS	
NUMBER	DESCRIPTION
DET 1 OF 2	EROSION & SEDIMENT CONTROL DETAILS
DET 2 OF 2	CONSTRUCTION DETAILS
STR 1 OF 2	TYPICAL STRUCTURE CONFIGURATIONS
STR 2 OF 2	TYPICAL FOUNDATION & GROUNDING DETAILS



CROSS SECTION INDEX MAP

**Westwood
Surveying & Engineering**
 Phone (952) 937-5150 1684 South Broad Street, Suite #300
 Fax (952) 937-5822 Lansdale, PA 19446
 Toll Free (888) 937-5150 www-pc.com
 Westwood Surveying and Engineering, P.C.



UI 115-kV RR PROJECT MILVON TO WEST RIVER
DEVELOPMENT & MANAGEMENT PLAN

INDEX			
REV.	DATE	BY	DESCRIPTION
0-0A	2023/05/12	WESTWOOD	SEGMENT 2 D&M PLAN FOR CSC REVIEW

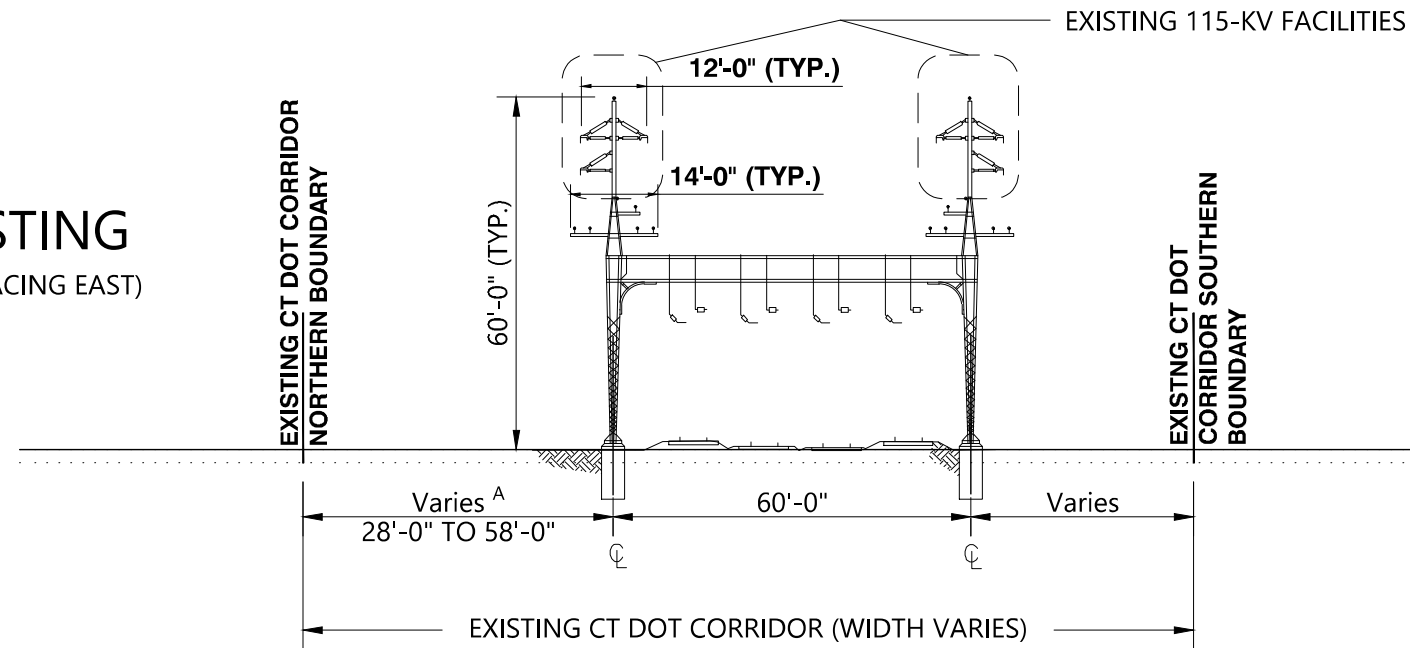
DR.	SFB	SCALE	AS SHOWN	FILE:
CK.	JRD	NO.		
APP.	MSP			

REV. 0-0A

CROSS SECTION 9
ALLINGS SUBSTATION TO ELMWEST SUBSTATION (WEST HAVEN):
STR P1009N TO STR P1016N - 0.43 MILES, STR P1025N TO STR P1028N - 0.18 MILES
REFER TO SHEET 4 (XS-10) FOR PROPOSED STRUCTURES LOCATED OUTSIDE OF THE CT DOT CORRIDOR

Structure	Cross Section #	Structure Height (ft)	A (ft)	B (ft)	C (ft)	D (ft)
P1009N	9	90	36	25	11	21
P1010N	9	85	36	24	12	20
P1011N	9	85	36	27	9	23
P1012N	9	95	57	51	6	26
P1013N	9	95	58	31	27	5
P1015N	9	100	58	23	35	1
P1016N	9	155	28	23	5	27
P1026N	9	100	57	48	9	23
P1027N	9	100	46	22	24	8
P1028N	9	115	46	25	21	11

EXISTING
(VIEW FACING EAST)



EXISTING 115-KV FACILITIES TO BE REMOVED

NOTES:

1. DEPICTED STRUCTURES ARE STEEL TANGENT STRUCTURES. DEAD END STRUCTURES WILL DIFFER.
2. THE EXISTING CATENARY STRUCTURES SUPPORT METRO NORTH RAILROAD ELECTRICAL FACILITIES CONSISTING OF TWO (2) SIGNAL WIRES, 2 OR 3 FEEDER WIRES, AND ONE (1) AERIAL GROUND WIRE, BOTH ON THE NORTHERN AND SOUTHERN CATENARY SUPPORT COLUMNS.
3. THE CT DOT CORRIDOR CONTAINS FOUR (4) RAILROAD TRACKS IN THIS AREA OPERATED BY METRO NORTH RAILROAD.
4. A 15'-0" CLEARANCE MUST BE MAINTAINED BETWEEN THE NEW 115-KV CONDUCTORS AND THE EXISTING CATENARY STRUCTURES SO THAT METRO NORTH RAILROAD CAN MAINTAIN THEIR EQUIPMENT WITHOUT REQUIRING AN OUTAGE ON THE 115-KV FACILITIES.
5. EXISTING VEGETATION WITHIN THE CT DOT CORRIDOR VARIES BY LOCATION. REFER TO PROJECT MAPS AND DRAWINGS FOR LOCATIONS OF PROPOSED TREE REMOVAL.
6. TO COMPLY WITH UI STANDARD TRANSMISSION VEGETATION MANAGEMENT PLANS, UI REQUIRES VEGETATION MANAGEMENT IN THE AREA THAT IS 32'-0" FROM EACH STRUCTURE CENTER (25'-0" FROM CONDUCTOR ATTACHMENT POINT). IN LOCATIONS WHERE THE CT DOT CORRIDOR NORTHERN BOUNDARY IS LESS THAN 32'-0" FROM THE PROPOSED STRUCTURE LOCATION, UI PROPOSES TO ACQUIRE A PERMANENT EASEMENT FROM ADJACENT LANDOWNERS. REFER TO PROJECT MAPS AND DRAWINGS, FOR PROPOSED ADDITIONAL PERMANENT EASEMENT LOCATIONS.
7. DISTANCE FROM SOUTHERN CATENARY STRUCTURE TO CT DOT CORRIDOR SOUTHERN BOUNDARY WILL REMAIN UNCHANGED FROM EXISTING CONDITIONS.

^A THE WIDTH OF THE EXISTING CT DOT CORRIDOR IN THE PROJECT AREA IS HIGHLY VARIABLE. REFER TO PROJECT MAPS AND DRAWINGS, FOR CT DOT CORRIDOR BOUNDARIES.

^B THIS DISTANCE AVERAGES TO BE 32'-0" BUT RANGES FROM 22'-0" TO 51'-0". REFER TO TABLE ABOVE FOR EXACT DISTANCES.

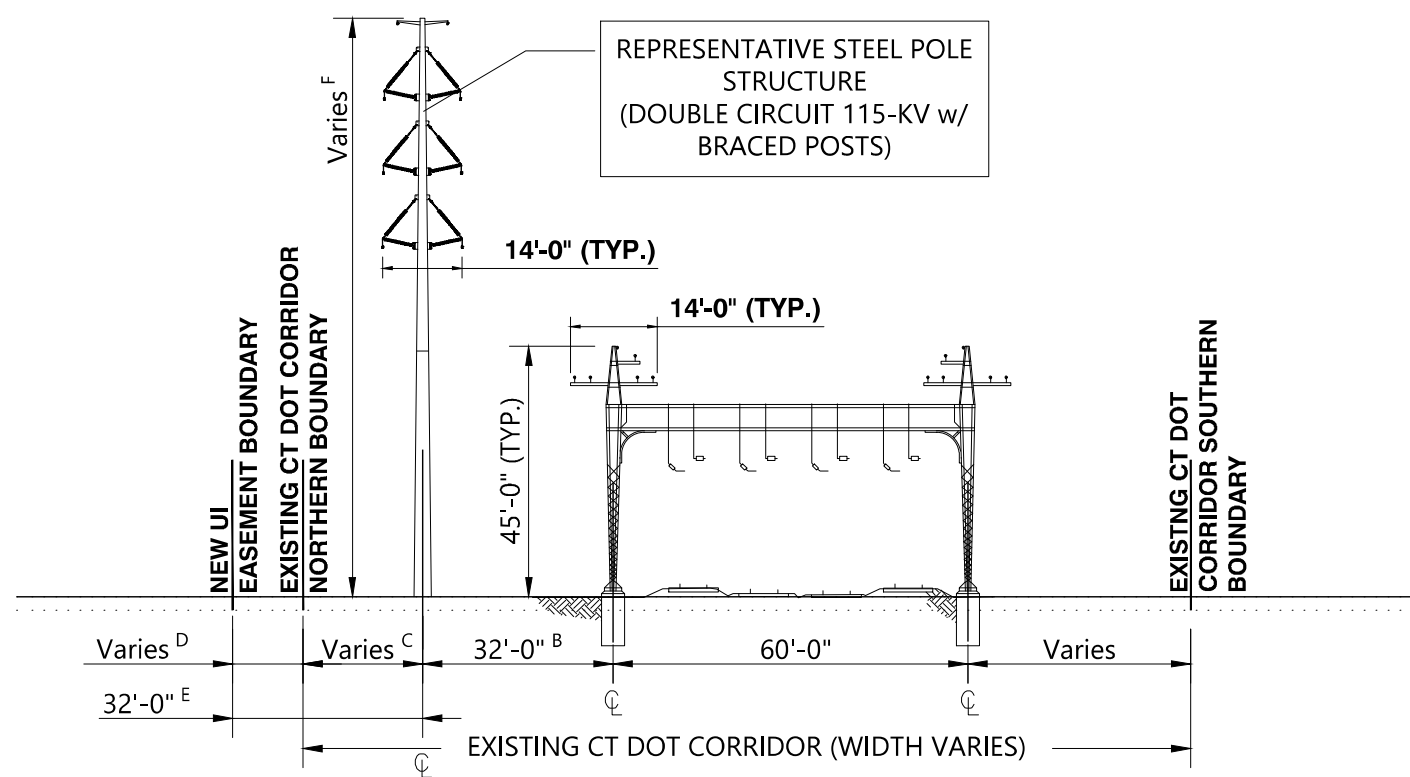
^C THE DISTANCE BETWEEN THE PROPOSED 115-KV DOUBLE-CIRCUIT STRUCTURES AND THE EXISTING CT DOT CORRIDOR NORTHERN BOUNDARY VARIES. REFER TO TABLE ABOVE FOR EXACT DISTANCES.

^D THE WIDTH OF UI'S REQUIRED NEW PERMANENT EASEMENT VARIES. REFER TO TABLE ABOVE.

^E BETWEEN STRUCTURES P1015N AND P1016N, THIS DISTANCE IS 36'-0". REFER TO PROJECT MAPS AND DRAWINGS FOR CT DOT CORRIDOR BOUNDARIES.

^F THE HEIGHT OF THE NEW 115-KV DOUBLE-CIRCUIT STRUCTURES VARIES. REFER TO TABLE ABOVE FOR EXACT STRUCTURE HEIGHTS.

PROPOSED
(VIEW FACING EAST)

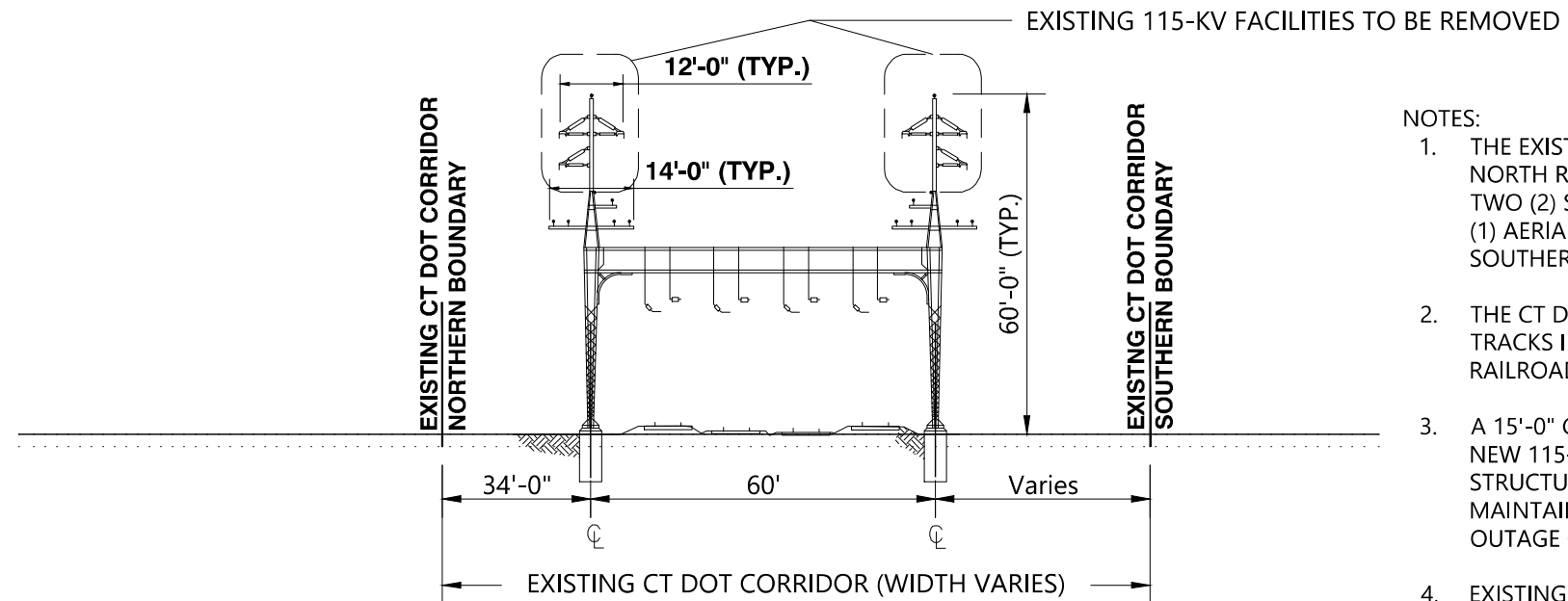


Westwood Surveying & Engineering
 Phone (952) 937-5150 1684 South Broad Street, Suite #300
 Fax (952) 937-5822 Lensdale, PA 19446
 Tel Free (888) 937-5150 www-pc.com
 Westwood Surveying and Engineering, P.C.

				UI 115-kV RR PROJECT MILVON TO WEST RIVER DEVELOPMENT & MANAGEMENT PLAN CROSS SECTION 9	
				DR. SFB CK. JRD APP. MSP	SCALE AS SHOWN NO. XS 1 OF 3 FILE:
0-0A REV. DATE BY DESCRIPTION APP. DATE:	2023/05/12 WESTWOOD SEGMENT 2 D&M PLAN FOR CSC REVIEW	DATE:	FILE:	NO.	XS 1 OF 3

CROSS SECTION 10 ALLINGS CROSSING SUBSTATION TO ELMWEST SUBSTATION (WEST HAVEN): STR P1025N

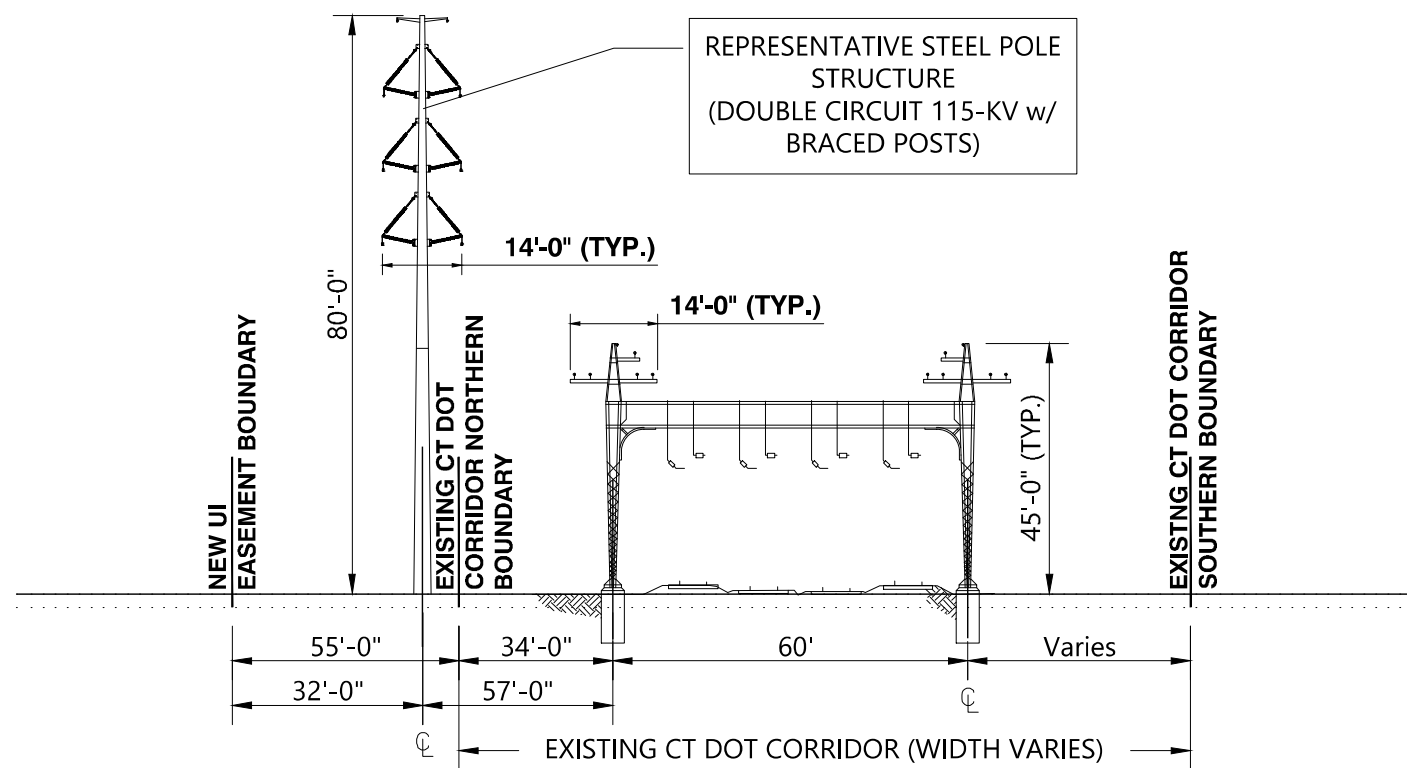
EXISTING
(VIEW FACING EAST)



NOTES:

1. THE EXISTING CATENARY STRUCTURES SUPPORT METRO NORTH RAILROAD ELECTRICAL FACILITIES CONSISTING OF TWO (2) SIGNAL WIRES, 2 OR 3 FEEDER WIRES, AND ONE (1) AERIAL GROUND WIRE, BOTH ON THE NORTHERN AND SOUTHERN CATENARY SUPPORT COLUMNS.
2. THE CT DOT CORRIDOR CONTAINS FOUR (4) RAILROAD TRACKS IN THIS AREA OPERATED BY METRO NORTH RAILROAD.
3. A 15'-0" CLEARANCE MUST BE MAINTAINED BETWEEN THE NEW 115-KV CONDUCTORS AND THE EXISTING CATENARY STRUCTURES SO THAT METRO NORTH RAILROAD CAN MAINTAIN THEIR EQUIPMENT WITHOUT REQUIRING AN OUTAGE ON THE 115-KV FACILITIES.
4. EXISTING VEGETATION WITHIN THE CT DOT CORRIDOR VARIES BY LOCATION. REFER TO PROJECT MAPS AND DRAWINGS, FOR LOCATIONS OF PROPOSED TREE REMOVAL.
5. TO COMPLY WITH UI STANDARD TRANSMISSION VEGETATION MANAGEMENT PLANS, UI REQUIRES VEGETATION MANAGEMENT IN THE AREA THAT IS 32'-0" FROM EACH STRUCTURE CENTER (25'-0" FROM CONDUCTOR ATTACHMENT POINT). IN LOCATIONS WHERE THE SURROUNDING ENVIRONMENT REQUIRES A PROPOSED STRUCTURE TO BE PLACED OUTSIDE OF THE CT DOT CORRIDOR, UI PROPOSES TO ACQUIRE A PERMANENT EASEMENT FROM THE ADJACENT LANDOWNER. REFER TO PROJECT MAPS AND DRAWINGS, FOR PROPOSED ADDITIONAL EASEMENT LOCATIONS.
6. THE WIDTH OF THE EXISTING CT DOT CORRIDOR IN THE PROJECT AREA IS HIGHLY VARIABLE. REFER TO PROJECT MAPS AND DRAWINGS, FOR CT DOT CORRIDOR BOUNDARIES.
7. DISTANCE FROM SOUTHERN CATENARY STRUCTURE TO CT DOT CORRIDOR SOUTHERN BOUNDARY WILL REMAIN UNCHANGED FROM EXISTING CONDITIONS.

PROPOSED
(VIEW FACING EAST)



**Westwood
Surveying & Engineering**
Phone (952) 937-5150 1684 South Broad Street, Suite #300
Fax (952) 937-5822 Lansdale, PA 19446
Tel Free (888) 937-5150 ww-pec.com
Westwood Surveying and Engineering, P.C.



UI 115-kV RR PROJECT MILVON TO WEST RIVER
DEVELOPMENT & MANAGEMENT PLAN
CROSS SECTION 10

DR.	SFB	SCALE	AS SHOWN	FILE:	
CK.	JRD	NO.			
APP.	MSP				
REV.	DATE	BY	DESCRIPTION	APP.	DATE
0-0A	2023/05/12	WESTWOOD	SEGMENT 2 D&M PLAN FOR CSC REVIEW		

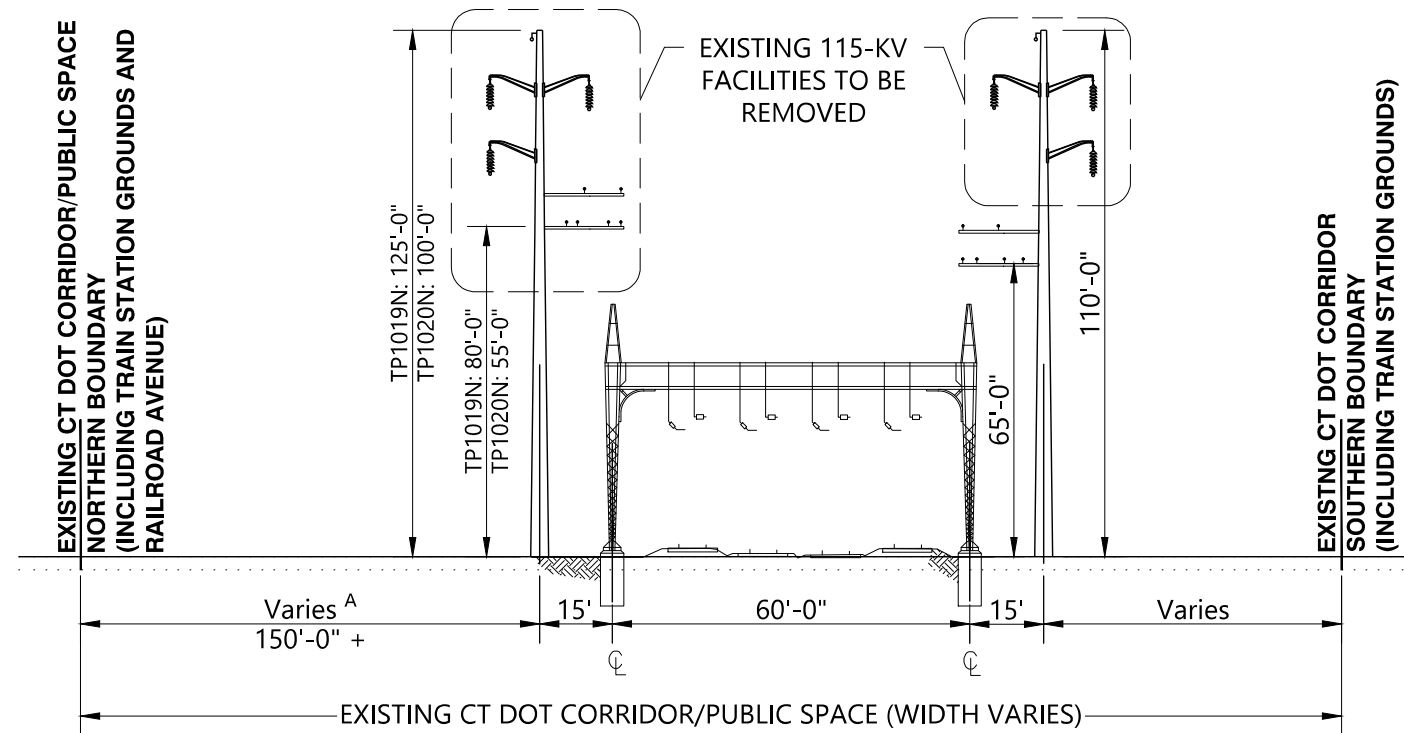
ANSI D CADD Drawings DO NOT REVISE MANUALLY

CROSS SECTION 11

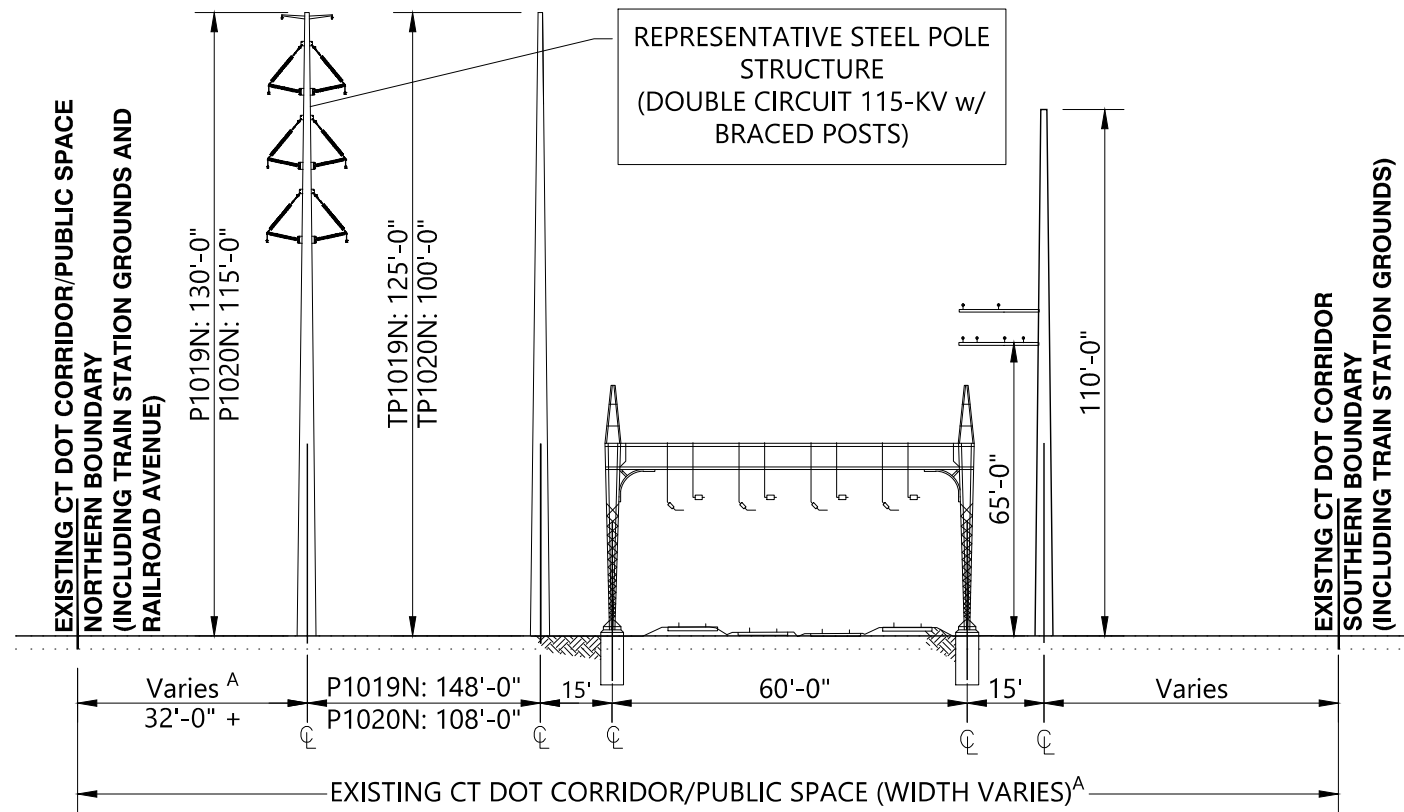
ALLINGS CROSSING SUBSTATION TO ELMWEST SUBSTATION (WEST HAVEN): STR P1019N TO STR P1020N - WEST HAVEN TRAIN STATION

EXISTING
(VIEW FACING EAST)

^A THE WIDTH OF THE TRAIN STATION GROUNDS IS HIGHLY VARIABLE. REFER TO ATTACHMENTS V2.3 AND V2.4: PROJECT MAPS AND DRAWINGS, FOR CT DOT PROPERTY BOUNDARY INFORMATION.



PROPOSED
(VIEW FACING EAST)



NOTES:

1. DEPICTED STRUCTURES ARE STEEL TANGENT STRUCTURES. HYBRID (DEAD END/SUSPENSION) STRUCTURES WILL DIFFER.
2. THE EXISTING MONOPOLES SUPPORT METRO NORTH RAILROAD ELECTRICAL FACILITIES CONSISTING OF TWO (2) SIGNAL WIRES, 2 OR 3 FEEDER WIRES, AND ONE (1) AERIAL GROUND WIRE, BOTH ON THE NORTHERN AND SOUTHERN MONOPOLES. THE SOUTHERN MONOPOLE WILL REMAIN TO CONTINUE TO SUPPORT THE METRO NORTH RAILROAD ELECTRICAL FACILITIES. THE NORTHERN MONOPOLE WILL BE REPLACED AS SHOWN, CONTINUING TO SUPPORT THE METRO NORTH ELECTRICAL FACILITIES.
3. THE CT DOT CORRIDOR CONTAINS FOUR (4) RAILROAD TRACKS IN THIS AREA OPERATED BY METRO NORTH RAILROAD.
4. A 15'-0" CLEARANCE MUST BE MAINTAINED BETWEEN THE NEW 115-KV CONDUCTORS AND THE METRO NORTH RAILROAD ELECTRICAL FACILITIES SO THAT METRO NORTH RAILROAD CAN MAINTAIN THEIR EQUIPMENT WITHOUT REQUIRING AN OUTAGE ON THE 115-KV FACILITIES. DUE TO THE PEDESTRIAN WALKWAY AT THE WEST HAVEN TRAIN STATION, THE METRO NORTH ELECTRICAL FACILITIES WILL NEED TO BE HIGHER THAN AVERAGE.
5. EXISTING VEGETATION WITHIN THE CT DOT CORRIDOR VARIES BY LOCATION. REFER TO ATTACHMENTS V2.3 AND V2.4: PROJECT MAPS AND DRAWINGS, FOR LOCATIONS OF PROPOSED TREE REMOVAL.
6. TO COMPLY WITH UI STANDARD TRANSMISSION VEGETATION MANAGEMENT PLANS, UI REQUIRES VEGETATION MANAGEMENT IN THE AREA THAT IS 32'-0" FROM EACH STRUCTURE CENTER (25'-0" FROM CONDUCTOR ATTACHMENT POINT). UI WILL NOT NEED ANY PERMANENT EASEMENT FROM ADJACENT LANDOWNERS TO ACHIEVE THESE CLEARANCES AT THE WEST HAVEN TRAIN STATION
7. DISTANCE FROM SOUTHERN STEEL POLE STRUCTURE TO CT DOT CORRIDOR SOUTHERN BOUNDARY WILL REMAIN UNCHANGED FROM EXISTING CONDITIONS.

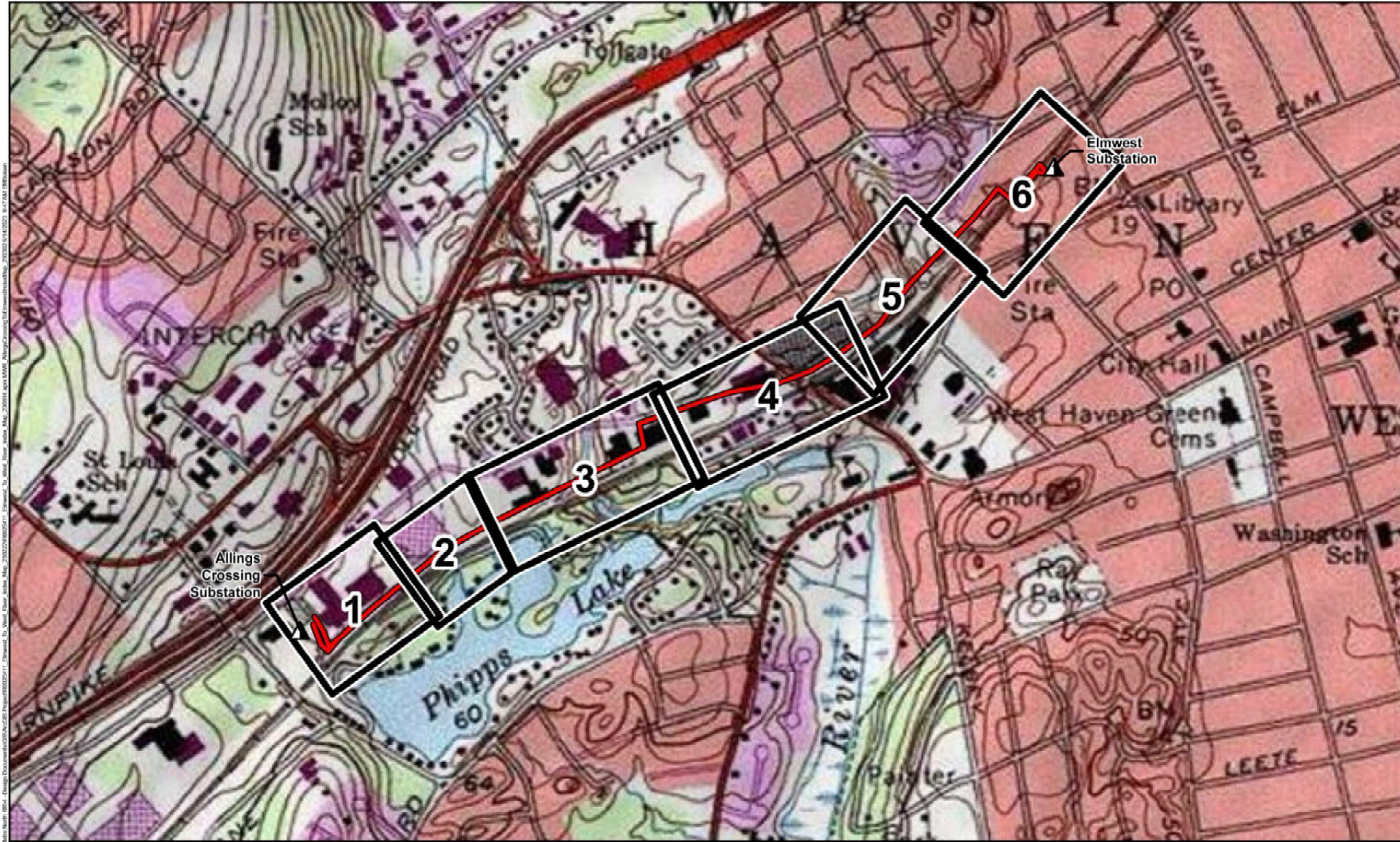
Westwood Surveying & Engineering
 Phone (952) 937-5150 1684 South Broad Street, Suite #300
 Fax (952) 937-5822 Lansdale, PA 19446
 Toll Free (888) 937-5150 www-pc.com
 Westwood Surveying and Engineering, P.C.



UI 115-kV RR PROJECT MILVON TO WEST RIVER
 DEVELOPMENT & MANAGEMENT PLAN
 CROSS SECTION 11

DR.	SFB	SCALE	AS SHOWN	FILE:	
CK	JRD	NO.			
APP.	MSP				
REV.	DATE	BY	DESCRIPTION	APP.	DATE
0-0A	2023/05/12	WESTWOOD	SEGMENT 2 D&M PLAN FOR CSC REVIEW		

CADD Drawing. DO NOT REVISE MANUALLY.



- Legend**
- Existing Substation Connected to 115-kV Facilities
 - Allings Crossing to Elmwest Segment
 - Map Sheet Index Grid

USGS Quad Name: New Haven
 USGS Quad ID: 41072-C8
 USGS Quad Year: 2000



**Westwood
 Surveying & Engineering**
 Phone (952) 937-5150 1684 South Broad Street, Suite #300
 Fax (952) 937-5822 Lansdale, PA 19446
 Toll Free (888) 937-5150 ww-ec.com
 Westwood Surveying and Engineering, P.C.



UI 115-kV RR PROJECT MILVON TO WEST RIVER
 DEVELOPMENT & MANAGEMENT PLAN

MAPSHEET INDEX

REV.	DATE	BY	DESCRIPTION	APP.	DATE	DR.	SFB	SCALE	AS SHOWN	FILE:	NO.	REV.
0-0A	2023/05/12	WESTWOOD	SEGMENT 2 D&M PLAN FOR CSC REVIEW			CK	JRD					0-0A
						APP.	MSP					

ANSI D CADD Drawing. DO NOT REVISE MANUALLY.

GENERAL NOTES

GENERAL WORK DESCRIPTION

- NEW STEEL MONOPOLES P1009NN, P1009N, P1010N, P1011N WILL BE INSTALLED.
- BONNETS B1009N/S, B1010N/S, AND B1011N/S WILL BE REMOVED.
- HARDWARE ON THE TERMINATION STRUCTURES AT ALLINGS CROSSING SUBSTATION WILL BE REPLACED.
- EXISTING STEEL STRUCTURES OUTSIDE AND ADJACENT TO ALLINGS CROSSING SUBSTATION WILL REMAIN; HARDWARE AND INSULATORS WILL BE REPLACED.
- HARDWARE AND INSULATORS WILL BE REMOVED FROM THE EXISTING STEEL STRUCTURES ACROSS THE TRACKS FROM THE ALLINGS CROSSING SUBSTATION.
- EXISTING WOOD POLE NEAR P1011N WILL BE REMOVED.
- PROJECT ACTIVITIES INCLUDE: VEGETATION CLEARING, REMOVAL OF EXISTING 115-kV EQUIPMENT, AND INSTALLATION OF ACCESS ROADS, WORK PADS, FOUNDATIONS, STEEL MONOPOLES, AND CONDUCTOR.
- EXCLUSIONARY FENCING TO BE COORDINATED WITH UI IN ACCORDANCE WITH THE SPECIES PROTECTION PLAN.
- EROSION AND SEDIMENT CONTROLS TO BE INSTALLED ON SITE UNDER THE SUPERVISION OF AN ENVIRONMENTAL INSPECTOR IN ACCORDANCE WITH CT DEEP GUIDELINES AND THE PROJECT SWPCP.
- EROSION AND SEDIMENT CONTROLS ARE SHOWN IN GENERAL LOCATIONS ON THE PLANS BUT MAY BE MODIFIED BASED ON SITE FIELD CONDITIONS.
- CONCRETE WASHOUTS ARE SHOWN IN GENERAL LOCATIONS AND ARE TO BE UTILIZED IN ACCORDANCE WITH CT DEEP EROSION AND SEDIMENT CONTROL REQUIREMENTS.
- TEMPORARY ACCESS AND PADS WITH NO MATTING ARE ON EXISTING PAVEMENT OR GRAVEL. ACCESS ROUTES THROUGH PAVEMENT AND GRAVEL AREAS ARE SUBJECT TO CHANGE BASED ON ACCESS AGREEMENTS WITH LANDOWNER.
- NO STUMP REMOVAL, GRADING, MECHANIZED PUSHING, DRAGGING, TEMPORARY SIDE-CASTING OF EXCAVATED MATERIAL OR OTHER SIMILAR ACTIVITIES TO BE CONDUCTED IN WETLANDS UNLESS OTHERWISE DEPICTED.

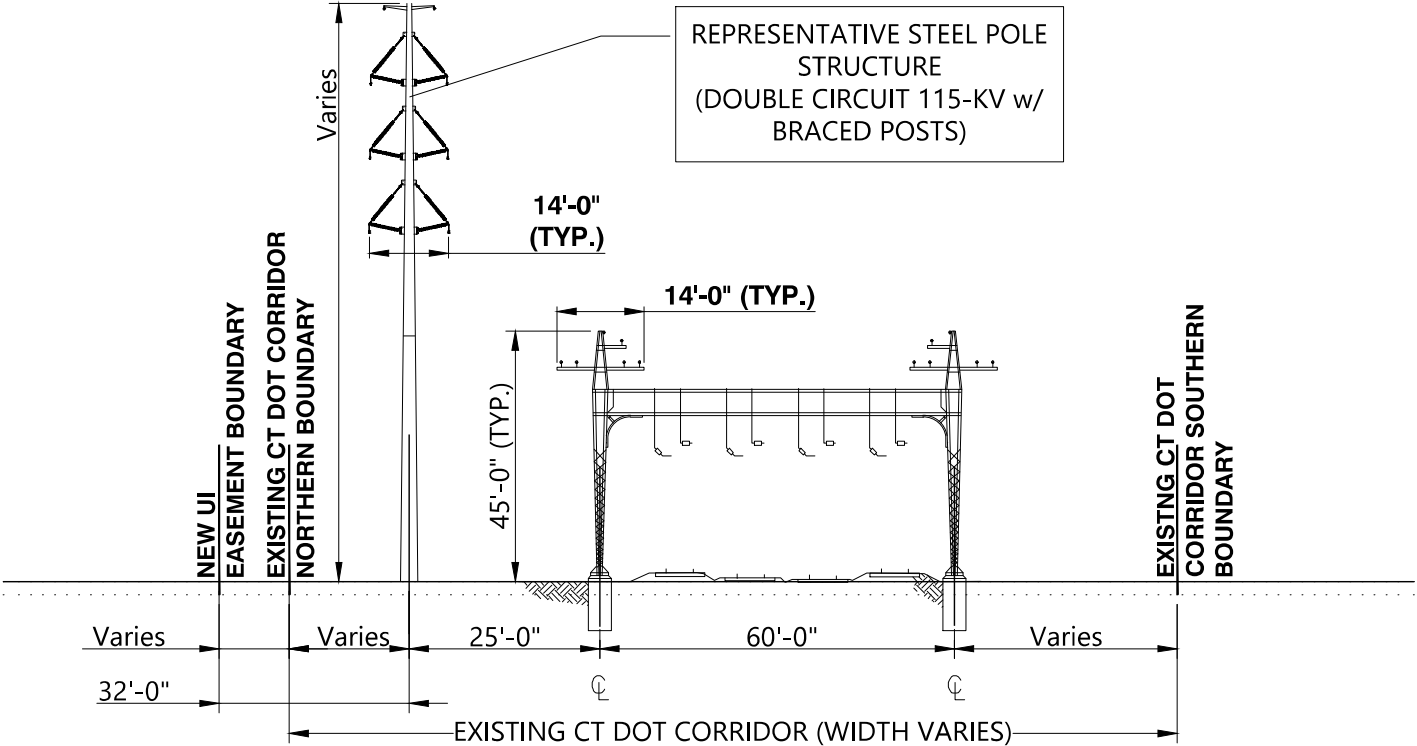
CT DOT CORRIDOR/PROJECT WORK AREA DESCRIPTION

WETLANDS, WATERCOURSES, WATERWAYS AND SENSITIVE AREAS

- WETLAND WH-W4
- WETLAND WH-W5
- WATERCOURSE WH-WC11
- WATERCOURSE WH-WC12
- WATERCOURSE WH-WC13
- WATERCOURSE WH-WC14
- WATERCOURSE WH-WC15
- WATERCOURSE WH-WC16
- NO NDDB AREA WITHIN SHEET

ROAD CROSSINGS

- NONE



XS-9 (FACING NORTH)

STRUCTURE NO.	STRUCTURE TYPE	CROSS SECTION	HEIGHT (FT)	FOUNDATION
P1009NN	DEADEND	N/A*	76	CONCRETE DRILLED PIER
P1009N	DEADEND	XS-9	91	CONCRETE DRILLED PIER
P1010N	TANGENT	XS-9	86	CONCRETE DRILLED PIER
P1011N	TANGENT	XS-9	86	CONCRETE DRILLED PIER

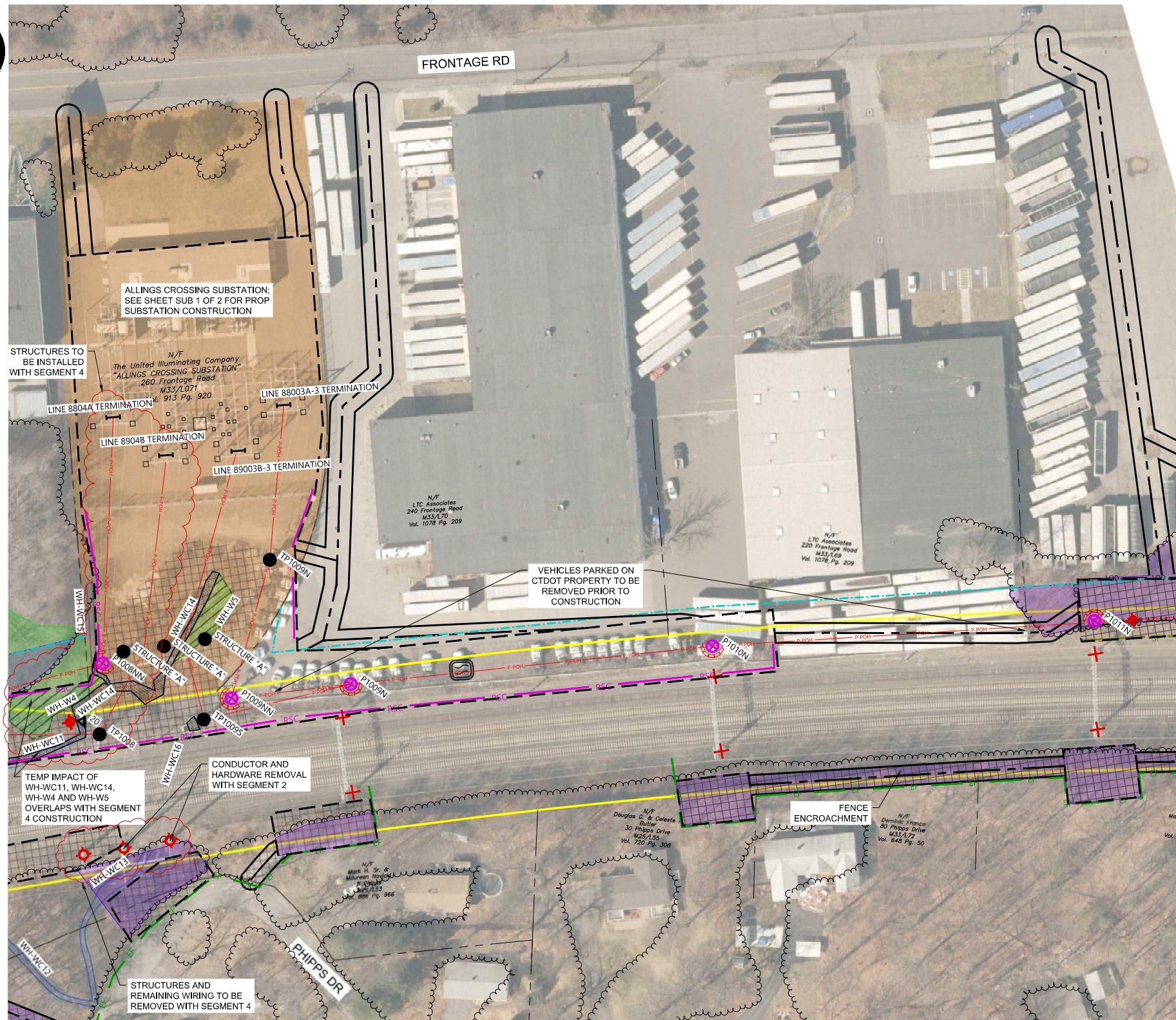
*THESE STRUCTURE ARRANGEMENTS ARE NON-TYPICAL, SEE PROJECT PLAN AND PROFILE DRAWINGS FOR DETAILS

STRUCTURE DETAIL TABLE

Westwood Surveying & Engineering
 Phone (952) 937-5150 1684 South Broad Street, Suite #300
 Fax (952) 937-5822 Lansdale, PA 19446
 Toll Free (888) 937-5150 ww-pec.com
 Westwood Surveying and Engineering, P.C.

				UI 115-kV RR PROJECT MILVON TO WEST RIVER DEVELOPMENT & MANAGEMENT PLAN	
MAPSHEET 1 STRUCTURES AND NOTES					
DR.	SFB	SCALE	AS SHOWN	FILE:	
CK.	JRD			NO.	
APP.	MSP				
REV.	DATE	BY	DESCRIPTION	APP.	DATE
0-0A	2023/05/12	WESTWOOD	SEGMENT 2 D&M PLAN FOR CSC REVIEW		

ANSI D CADD Drawing. DO NOT REVISE MANUALLY.



SEE SHEET 2

LEGEND

<ul style="list-style-type: none"> PROPOSED TRANSMISSION POLE EXISTING TRANSMISSION POLE SUBSTATION TERMINATION STRUCTURE PROPOSED TRANSMISSION CENTER LINE NEW UI EASEMENT BOUNDARY PROPOSED TEMPORARY ACCESS ROAD PROPOSED WORK/PULLING PAD EXISTING CTDOT CORRIDOR BOUNDARY EXISTING PROPERTY LINE PROPOSED TEMPORARY MATTING TEMPORARY MATTED WETLAND IMPACT TEMPORARY MATTED STREAM IMPACT 	<ul style="list-style-type: none"> FIELD DELINEATED TIDAL WETLAND FIELD DELINEATED WETLAND FEMA 100-YEAR FLOODPLAIN LIMIT UI OWNED PROPERTY FIELD DELINEATED STREAM EXISTING TREE LINE PROPOSED TREE CLEARING FIELD DELINEATED TIDAL STREAM CT DEEP COASTAL ZONE PROPOSED PERMANENT ACCESS ROAD TO REMAIN OPEN ENDED WETLAND DELINEATION BOUNDARY OPEN ENDED WETLAND DELINEATION DIRECTION 	<ul style="list-style-type: none"> EXISTING HARDWARE ONLY TO BE REMOVED EXISTING STEEL POLE TO BE REMOVED EXISTING LATTICE TOWER TO BE REMOVED EXISTING BONNET TO BE REMOVED EXISTING WOOD POLE TO BE REMOVED EXISTING STEEL POLE TOP TO BE REMOVED AND CAPPED DRAINAGE CROSSING 	<ul style="list-style-type: none"> CATCH BASIN INLET PROTECTION STRAW BALE SEDIMENT PROTECTION CONCRETE WASHOUT ROCK CONSTRUCTION ENTRANCE 	<ul style="list-style-type: none"> SF RSC EF LOD 	<ul style="list-style-type: none"> SEDIMENT BARRIER REDUNDANT SEDIMENT BARRIER - DOUBLE ROW EXCLUSIONARY FENCE LIMIT OF DISTURBANCE
---	--	--	--	--	---

0' 50' 100' 150'

**Westwood
Surveying & Engineering**

Phone (952) 937-5150 1684 South Broad Street, Suite #300
 Fax (952) 937-5822 Lansdale, PA 19446
 Toll Free (888) 937-5150 www-pc.com
 Westwood Surveying and Engineering, P.C.

				UI 115-kV RR PROJECT MILVON TO WEST RIVER DEVELOPMENT & MANAGEMENT PLAN	
DR.	SFB	SCALE	AS SHOWN	FILE:	
CK	JRD	NO.			
APP.	MSP	MAPSHEET 1 OF 6		REV. 0-0A	
REV.	DATE	BY	DESCRIPTION	APP.	DATE
0-0A	2023/05/12	WESTWOOD	SEGMENT 2 D&M PLAN FOR CSC REVIEW		

CADD Drawing. DO NOT REVISE MANUALLY.

GENERAL NOTES

GENERAL WORK DESCRIPTION

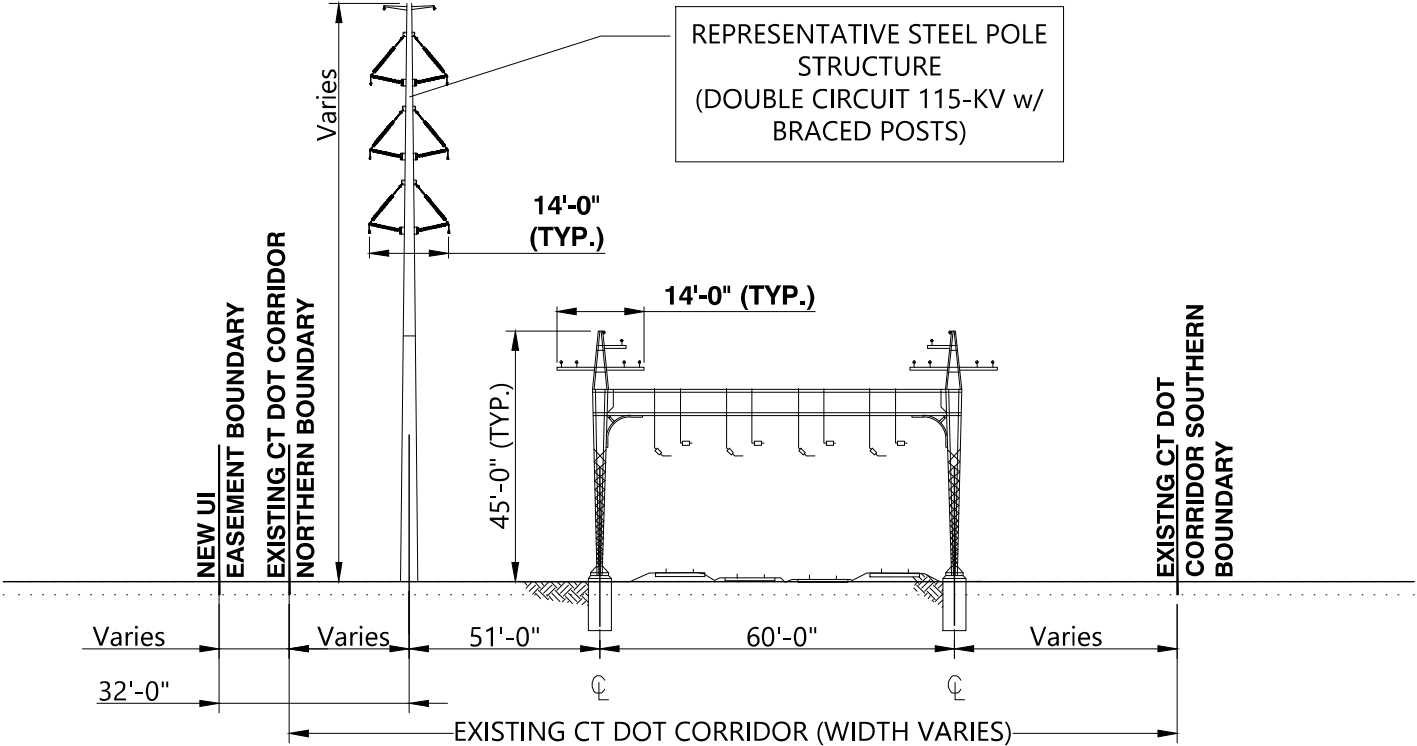
- NEW STEEL MONOPOLES P1011N AND P1012N WILL BE INSTALLED.
- BONNETS B1011N/S, B1012N/S AND B1013N/S WILL BE REMOVED.
- EXISTING WOOD POLES BETWEEN P1011N AND P1013N WILL BE REMOVED.
- PROJECT ACTIVITIES INCLUDE: VEGETATION CLEARING, REMOVAL OF EXISTING 115-KV EQUIPMENT, AND INSTALLATION OF ACCESS ROADS, WORK PADS, FOUNDATIONS, STEEL MONOPOLES, AND CONDUCTOR.
- EXCLUSIONARY FENCE TO BE COORDINATED WITH UI IN ACCORDANCE WITH THE SPECIES PROTECTION PLAN.
- EROSION AND SEDIMENT CONTROLS TO BE INSTALLED ON SITE UNDER THE SUPERVISION OF AN ENVIRONMENTAL INSPECTOR IN ACCORDANCE WITH CT DEEP GUIDELINES AND THE PROJECT SWPCP.
- EROSION AND SEDIMENT CONTROLS ARE SHOWN IN GENERAL LOCATIONS ON THE PLANS BUT MAY BE MODIFIED BASED ON SITE FIELD CONDITIONS.
- CONCRETE WASHOUTS ARE SHOWN IN GENERAL LOCATIONS AND ARE TO BE UTILIZED IN ACCORDANCE WITH CT DEEP EROSION AND SEDIMENT CONTROL REQUIREMENTS.
- TEMPORARY ACCESS AND PADS WITH NO MATTING ARE ON EXISTING PAVEMENT OR GRAVEL. ACCESS ROUTES THROUGH PAVEMENT AND GRAVEL AREAS ARE SUBJECT TO CHANGE BASED ON ACCESS AGREEMENTS WITH LANDOWNER.
- NO STUMP REMOVAL, GRADING, MECHANIZED PUSHING, DRAGGING, TEMPORARY SIDE-CASTING OF EXCAVATED MATERIAL OR OTHER SIMILAR ACTIVITIES TO BE CONDUCTED IN WETLANDS UNLESS OTHERWISE DEPICTED.

CT DOT CORRIDOR/PROJECT WORK AREA DESCRIPTION

- WETLANDS, WATERCOURSES, WATERWAYS AND SENSITIVE AREAS
- WETLAND WH-W6
 - WETLAND WH-W7
 - WATERCOURSE WH-WC17
 - PHIPPS LAKE
 - NO NDDB AREA WITHIN SHEET

ROAD CROSSINGS

- NONE



XS-9 (FACING NORTH)

STRUCTURE NO.	STRUCTURE TYPE	CROSS SECTION	HEIGHT (FT)	FOUNDATION
P1012N	TANGENT	XS-9	96	CONCRETE DRILLED PIER

STRUCTURE DETAIL TABLE



UI 115-kV RR PROJECT MILVON TO WEST RIVER DEVELOPMENT & MANAGEMENT PLAN

MAPSHEET 2 STRUCTURES AND NOTES

Westwood Surveying & Engineering
 Phone (952) 937-5150 1684 South Broad Street, Suite #300
 Fax (952) 937-5822 Lansdale, PA 19446
 Toll Free (888) 937-5150 ww-pec.com
 Westwood Surveying and Engineering, P.C.

DR.	SFB	SCALE	AS SHOWN	FILE:	REV.
CK.	JRD				0-0A
APP.	MSP				
REV.	DATE	BY	DESCRIPTION	APP.	DATE:
0-0A	2023/05/12	WESTWOOD	SEGMENT 2 D&M PLAN FOR CSC REVIEW		

ANSI D CADD Drawing. DO NOT REVISE MANUALLY.



SEE SHEET 1

SEE SHEET 3

LEGEND

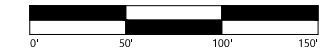
- PROPOSED TRANSMISSION POLE
- EXISTING TRANSMISSION POLE
- SUBSTATION TERMINATION STRUCTURE
- PROPOSED TRANSMISSION CENTER LINE
- NEW UI EASEMENT BOUNDARY
- PROPOSED TEMPORARY ACCESS ROAD
- PROPOSED WORK/PULLING PAD
- EXISTING CTDOT CORRIDOR BOUNDARY
- EXISTING PROPERTY LINE
- PROPOSED TEMPORARY MATTING
- TEMPORARY MATTED WETLAND IMPACT
- TEMPORARY MATTED STREAM IMPACT

- FIELD DELINEATED TIDAL WETLAND
- FIELD DELINEATED WETLAND
- FEMA 100-YEAR FLOODPLAIN LIMIT
- UI OWNED PROPERTY
- FIELD DELINEATED STREAM
- EXISTING TREE LINE
- PROPOSED TREE CLEARING
- FIELD DELINEATED TIDAL STREAM
- CT DEEP COASTAL ZONE
- PROPOSED PERMANENT ACCESS ROAD TO REMAIN
- OPEN ENDED WETLAND DELINEATION BOUNDARY
- OPEN ENDED WETLAND DELINEATION DIRECTION

- EXISTING HARDWARE ONLY TO BE REMOVED
- EXISTING STEEL POLE TO BE REMOVED
- EXISTING LATTICE TOWER TO BE REMOVED
- EXISTING BONNET TO BE REMOVED
- EXISTING WOOD POLE TO BE REMOVED
- EXISTING STEEL POLE TOP TO BE REMOVED AND CAPPED
- DRAINAGE CROSSING

- CATCH BASIN INLET PROTECTION
- STRAW BALE SEDIMENT PROTECTION
- CONCRETE WASHOUT
- ROCK CONSTRUCTION ENTRANCE

- SEDIMENT BARRIER
- REDUNDANT SEDIMENT BARRIER - DOUBLE ROW
- EXCLUSIONARY FENCE
- LIMIT OF DISTURBANCE



Westwood Surveying & Engineering
 Phone (952) 937-5150 1684 South Broad Street, Suite #300
 Fax (952) 937-5822 Lansdale, PA 19446
 Toll Free (888) 937-5150 ww-pec.com
 Westwood Surveying and Engineering, P.C.

0-0A		2023/05/12	WESTWOOD	SEGMENT 2 D&M PLAN FOR CSC REVIEW	APP.	DATE:
REV.	DATE	BY	DESCRIPTION		APP.	DATE:



UI 115-kV RR PROJECT MILVON TO WEST RIVER DEVELOPMENT & MANAGEMENT PLAN

DR.	SFB	SCALE AS SHOWN	FILE:	REV.
CK.	JRD	NO.		0-0A
APP.	MSP	MAPSHEET 2 OF 6		

CADD Drawing. DO NOT REVISE MANUALLY.

GENERAL NOTES

GENERAL WORK DESCRIPTION

- NEW STEEL MONOPOLES P1013N, P1015N, P1016N, P1017N, AND P1018N WILL BE INSTALLED.
- BONNETS B1014N/S, B1015N, B1016N/S, B1017S, AND B1018S WILL BE REMOVED.
- EXISTING STEEL POLE TOP TO BE REMOVED AT EXISTING STRUCTURE TP1017N.
- EXISTING STEEL POLE P1015AS TO BE REMOVED.
- EXISTING HARDWARE, INSULATORS AND DAVIT ARMS TO BE REMOVED AT TP1018N.
- EXISTING WOOD POLES BETWEEN P1013N AND P1016N WILL BE REMOVED.
- TEMPORARY WOOD POLE WP1015 WILL BE INSTALLED DURING CONSTRUCTION AS A TEMPORARY ADSS SUPPORT AND WILL BE REMOVED PRIOR TO COMPLETION OF THE PROJECT.
- PROJECT ACTIVITIES INCLUDE: VEGETATION CLEARING, REMOVAL OF EXISTING 115-kV EQUIPMENT, AND INSTALLATION OF ACCESS ROADS, WORK PADS, FOUNDATIONS, STEEL MONOPOLES, AND CONDUCTOR.
- EXCLUSIONARY FENCE TO BE COORDINATED WITH UI IN ACCORDANCE WITH THE SPECIES PROTECTION PLAN.
- EROSION AND SEDIMENT CONTROLS TO BE INSTALLED ON SITE UNDER THE SUPERVISION OF AN ENVIRONMENTAL INSPECTOR IN ACCORDANCE WITH CT DEEP GUIDELINES AND THE PROJECT SWPCP.
- EROSION AND SEDIMENT CONTROLS ARE SHOWN IN GENERAL LOCATIONS ON THE PLANS BUT MAY BE MODIFIED BASED ON SITE FIELD CONDITIONS.
- CONCRETE WASHOUTS ARE SHOWN IN GENERAL LOCATIONS AND ARE TO BE UTILIZED IN ACCORDANCE WITH CT DEEP EROSION AND SEDIMENT CONTROL REQUIREMENTS.
- TEMPORARY ACCESS AND PADS WITH NO MATTING ARE ON EXISTING PAVEMENT OR GRAVEL. ACCESS ROUTES THROUGH PAVEMENT AND GRAVEL AREAS ARE SUBJECT TO CHANGE BASED ON ACCESS AGREEMENTS WITH LANDOWNER.
- NO STUMP REMOVAL, GRADING, MECHANIZED PUSHING, DRAGGING, TEMPORARY SIDE-CASTING OF EXCAVATED MATERIAL OR OTHER SIMILAR ACTIVITIES TO BE CONDUCTED IN WETLANDS UNLESS OTHERWISE DEPICTED.

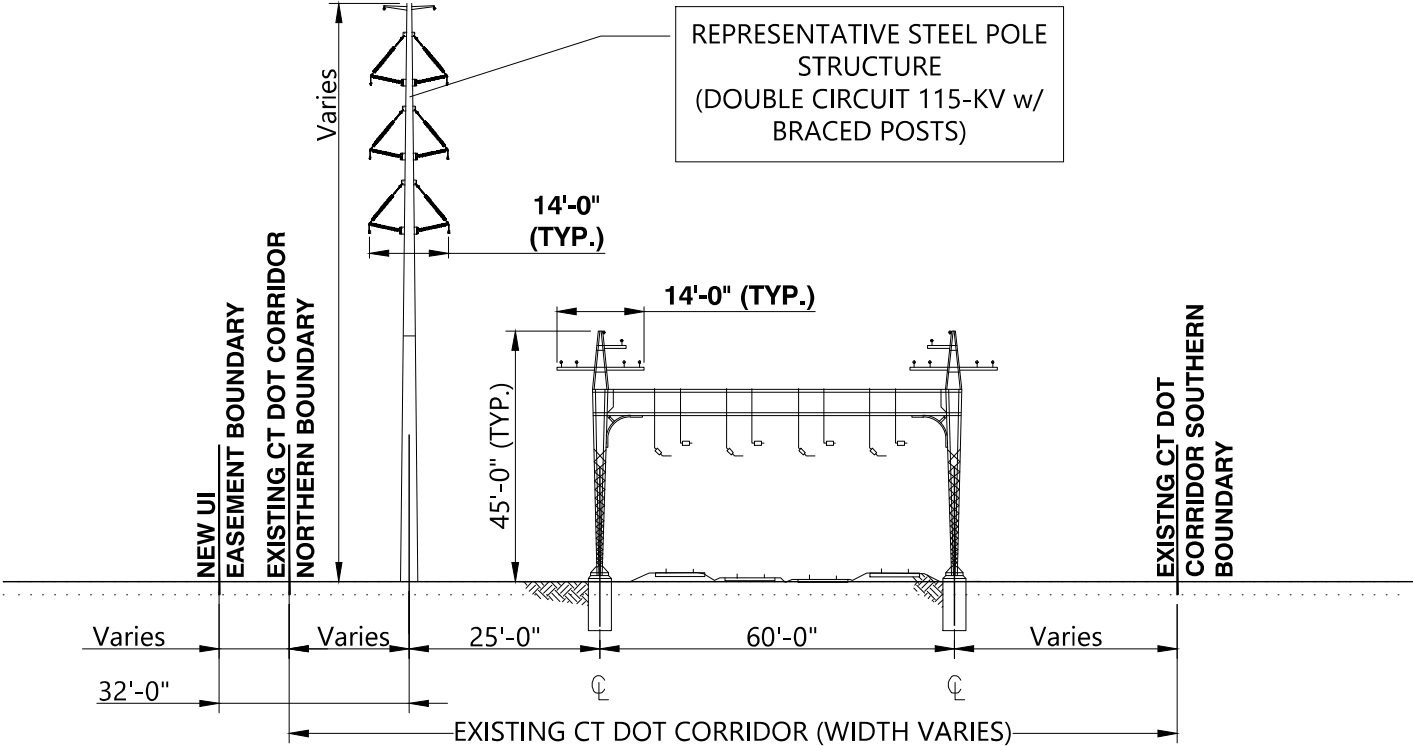
CT DOT CORRIDOR/PROJECT WORK AREA DESCRIPTION

WETLANDS, WATERCOURSES, WATERWAYS AND SENSITIVE AREAS

- WETLAND WH-W8
- WETLAND WH-W9
- WATERCOURSE WH-WC18
- COVE RIVER (AND 100-YR FLOODPLAIN ASSOCIATED WITH COVE RIVER)
- PHIPPS LAKE
- NO NDDB AREA WITHIN SHEET
- CT DEEP COASTAL ZONE

ROAD CROSSINGS

- NONE



XS-9 (FACING NORTH)

STRUCTURE NO.	STRUCTURE TYPE	CROSS SECTION	HEIGHT (FT)	FOUNDATION
P1013N	TANGENT	XS-9	96	CONCRETE DRILLED PIER
P1015N	DEADEND	XS-9	101	CONCRETE DRILLED PIER
P1016N	TANGENT	XS-9	156	CONCRETE DRILLED PIER
P1017N	DEADEND	N/A*	146	CONCRETE DRILLED PIER
P1018N	DEADEND	N/A*	106	CONCRETE DRILLED PIER

*THESE STRUCTURE ARRANGEMENTS ARE NON-TYPICAL, SEE PROJECT PLAN AND PROFILE DRAWINGS FOR DETAILS

STRUCTURE DETAIL TABLE

Westwood Surveying & Engineering
 Phone (952) 937-5150 1684 South Broad Street, Suite #300
 Fax (952) 937-5822 Lansdale, PA 19446
 Toll Free (888) 937-5150 ww-pec.com
 Westwood Surveying and Engineering, P.C.



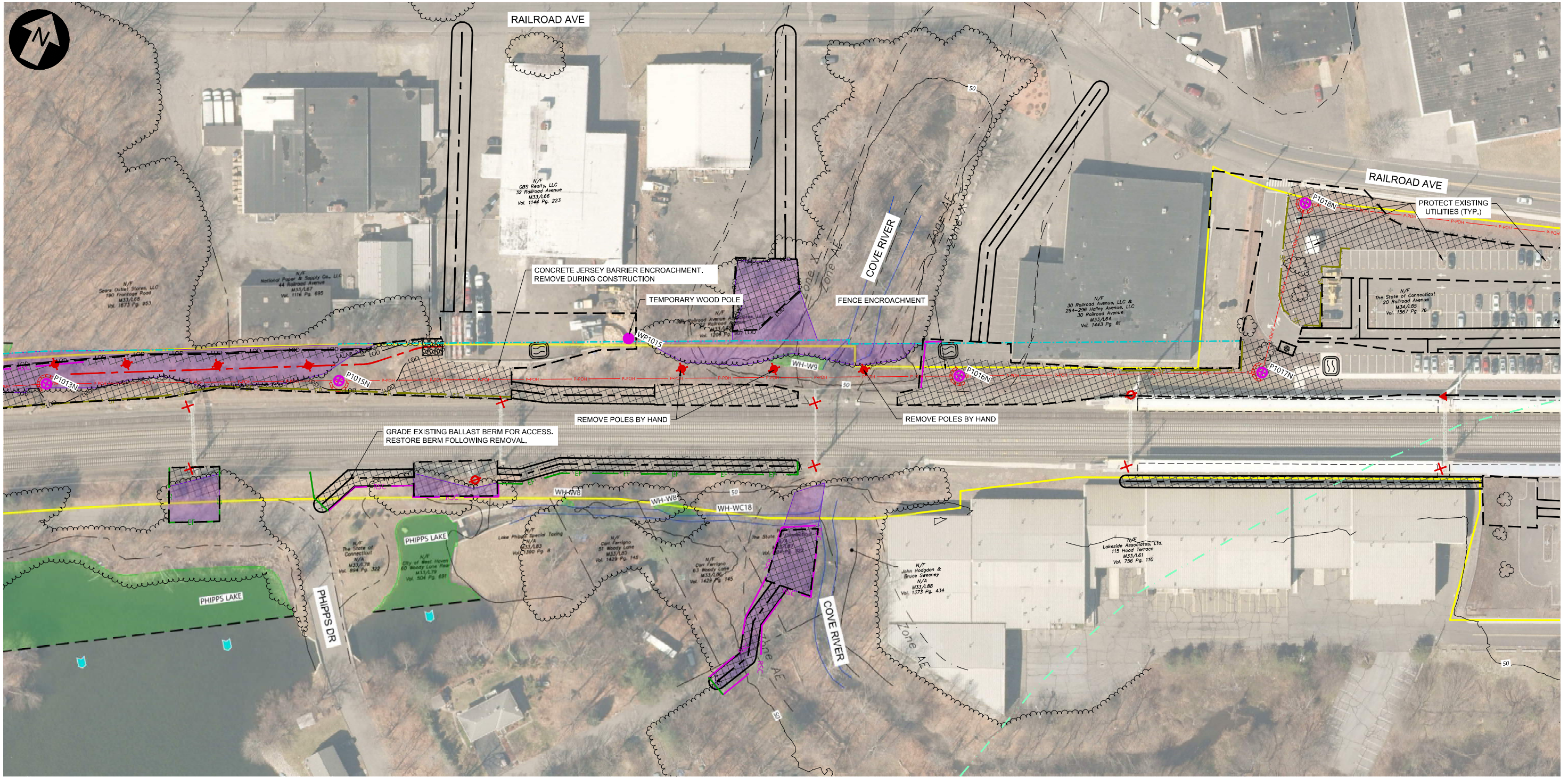
UI 115-kV RR PROJECT MILVON TO WEST RIVER DEVELOPMENT & MANAGEMENT PLAN

MAPSHEET 3 STRUCTURES AND NOTES

DR.	SFB	SCALE	AS SHOWN	FILE:	
CK.	JRD	NO.			
APP.	MSP				
REV.	DATE	BY	DESCRIPTION	APP.	DATE
0-0A	2023/05/12	WESTWOOD	SEGMENT 2 D&M PLAN FOR CSC REVIEW		

REV. 0-0A

ANSI D CADD Drawings DO NOT REVISE MANUALLY.



SEE SHEET 2

SEE SHEET 4

LEGEND

	PROPOSED TRANSMISSION POLE		FIELD DELINEATED TIDAL WETLAND		EXISTING HARDWARE ONLY TO BE REMOVED		CATCH BASIN INLET PROTECTION		SEDIMENT BARRIER
	EXISTING TRANSMISSION POLE		FIELD DELINEATED WETLAND		EXISTING STEEL POLE TO BE REMOVED		STRAW BALE SEDIMENT PROTECTION		REDUNDANT SEDIMENT BARRIER - DOUBLE ROW
	SUBSTATION TERMINATION STRUCTURE		FEMA 100-YEAR FLOODPLAIN LIMIT		EXISTING LATTICE TOWER TO BE REMOVED		CONCRETE WASHOUT		EXCLUSIONARY FENCE
	PROPOSED TRANSMISSION CENTER LINE		UI OWNED PROPERTY		EXISTING BONNET TO BE REMOVED		ROCK CONSTRUCTION ENTRANCE		LIMIT OF DISTURBANCE
	NEW UI EASEMENT BOUNDARY		FIELD DELINEATED STREAM		EXISTING WOOD POLE TO BE REMOVED				
	PROPOSED TEMPORARY ACCESS ROAD		EXISTING TREE LINE		EXISTING STEEL POLE TOP TO BE REMOVED AND CAPPED				
	PROPOSED WORK/PULLING PAD		PROPOSED TREE CLEARING		DRAINAGE CROSSING				
	EXISTING CTDOT CORRIDOR BOUNDARY		FIELD DELINEATED TIDAL STREAM						
	EXISTING PROPERTY LINE		CT DEEP COASTAL ZONE						
	PROPOSED TEMPORARY MATTING		PROPOSED PERMANENT ACCESS ROAD TO REMAIN						
	TEMPORARY MATTED WETLAND IMPACT		OPEN ENDED WETLAND DELINEATION BOUNDARY						
	TEMPORARY MATTED STREAM IMPACT		OPEN ENDED WETLAND DELINEATION DIRECTION						

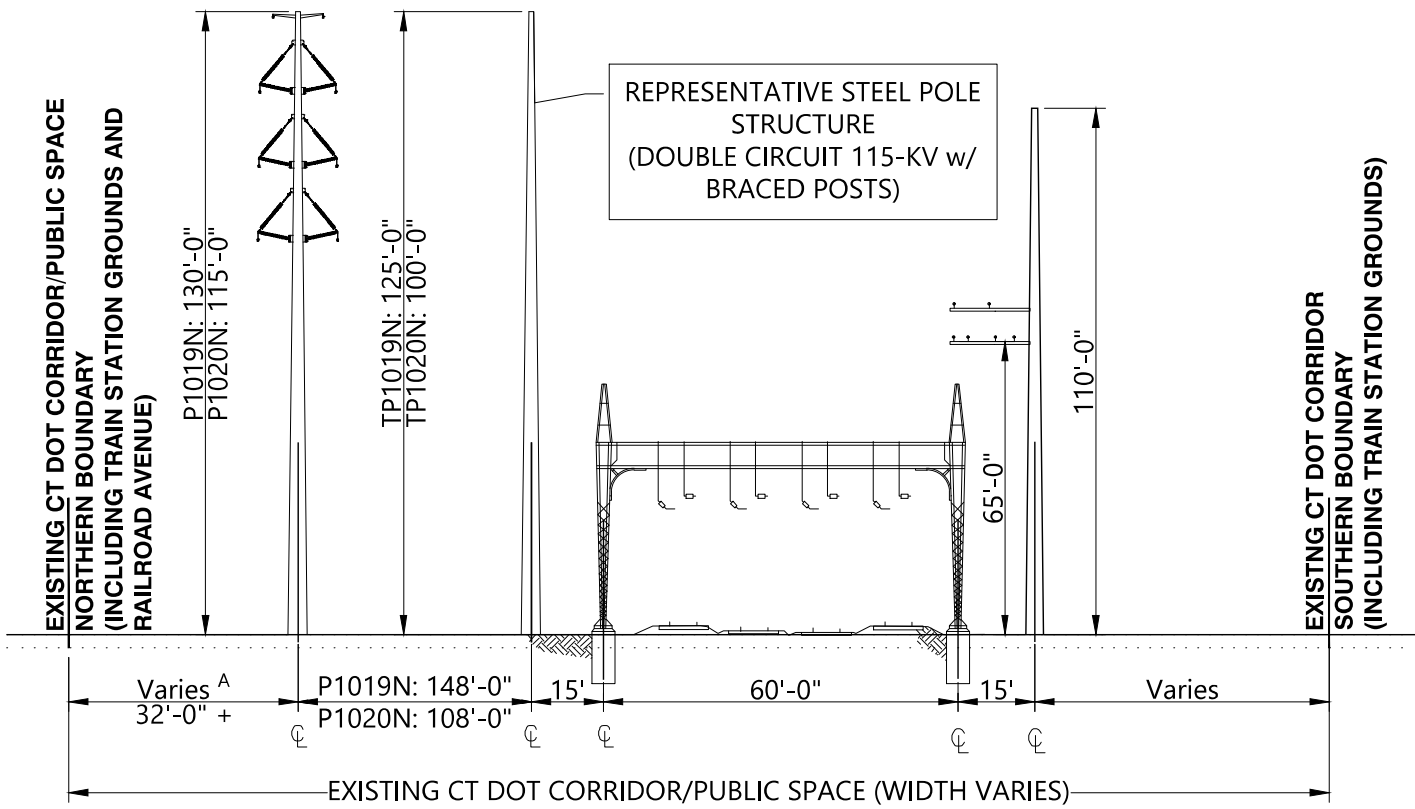
0' 50' 100' 150'

Westwood Surveying & Engineering

Phone (952) 937-5150 1684 South Broad Street, Suite #300
 Fax (952) 937-5822 Lansdale, PA 19446
 Toll Free (888) 937-5150 www-pc.com
 Westwood Surveying and Engineering, P.C.

UI 115-kV RR PROJECT MILVON TO WEST RIVER DEVELOPMENT & MANAGEMENT PLAN			
DR.	SFB	SCALE	AS SHOWN
CK.	JRD	NO.	
APP.	MSP	MAPSHEET 3 OF 6	
REV.	DATE	BY	DESCRIPTION
0-0A	2023/05/12	WESTWOOD	SEGMENT 2 D&M PLAN FOR CSC REVIEW

CADD Drawing. DO NOT REVISE MANUALLY.



XS-11 (FACING NORTH)

STRUCTURE NO.	STRUCTURE TYPE	CROSS SECTION	HEIGHT (FT)	FOUNDATION
P1019N	TANGENT	XS-11	131	CONCRETE DRILLED PIER
P1020N	TANGENT	XS-11	116	CONCRETE DRILLED PIER
P1021N	DEADEND	N/A*	106	CONCRETE DRILLED PIER
P1022N	TANGENT	N/A*	126	CONCRETE DRILLED PIER
P1023N	TANGENT	N/A*	121	CONCRETE DRILLED PIER

*THESE STRUCTURE ARRANGEMENTS ARE NON-TYPICAL, SEE PROJECT PLAN AND PROFILE DRAWINGS FOR DETAILS

STRUCTURE DETAIL TABLE

GENERAL NOTES

GENERAL WORK DESCRIPTION

- NEW STEEL MONOPOLES P1019N, P1020N, P1021N, P1022N AND P1023N WILL BE INSTALLED.
- BONNETS B1021N/S, B1022N/S AND B1023N/S WILL BE REMOVED.
- EXISTING HARDWARE, INSULATORS AND DAVIT ARMS TO BE REMOVED AT TP1019N/S AND TP1020N/S.
- EXISTING WOOD POLE NEAR P1022N WILL BE REMOVED.
- UNDERGROUND CROSS BONDING INSTALLATION BETWEEN NEW STEEL MONOPOLE P1022N AND EXISTING CATENARY STRUCTURE B1022N; NEW STEEL MONOPOLE P1023N AND EXISTING CATENARY STRUCTURE B1023N.
- PROJECT ACTIVITIES INCLUDE: VEGETATION CLEARING, REMOVAL OF EXISTING 115-kV EQUIPMENT, AND INSTALLATION OF ACCESS ROADS, WORK PADS, FOUNDATIONS, STEEL MONOPOLES, AND CONDUCTOR.
- EROSION AND SEDIMENT CONTROLS TO BE INSTALLED ON SITE UNDER THE SUPERVISION OF AN ENVIRONMENTAL INSPECTOR IN ACCORDANCE WITH CT DEEP GUIDELINES AND THE PROJECT SWPCP.
- EROSION AND SEDIMENT CONTROLS ARE SHOWN IN GENERAL LOCATIONS ON THE PLANS BUT MAY BE MODIFIED BASED ON SITE FIELD CONDITIONS.
- GUARD STRUCTURE WORK SPACES TO BE UTILIZED ON AN AS-NEEDED BASIS FOR WIRE PULLING ACTIVITIES. SCHEDULE AND WORK AREA PROTECTION TO BE PROVIDED BY CONTRACTOR IN ACCORDANCE WITH MUTCD GUIDELINES AND APPROPRIATELY COORDINATED WITH MUNICIPALITY AND CTDOT.
- CONCRETE WASHOUTS ARE SHOWN IN GENERAL LOCATIONS AND ARE TO BE UTILIZED IN ACCORDANCE WITH CT DEEP EROSION AND SEDIMENT CONTROL REQUIREMENTS.
- TEMPORARY ACCESS AND PADS WITH NO MATTING ARE ON EXISTING PAVEMENT OR GRAVEL. ACCESS ROUTES THROUGH PAVEMENT AND GRAVEL AREAS ARE SUBJECT TO CHANGE BASED ON ACCESS AGREEMENTS WITH LANDOWNER.
- NO STUMP REMOVAL, GRADING, MECHANIZED PUSHING, DRAGGING, TEMPORARY SIDE-CASTING OF EXCAVATED MATERIAL OR OTHER SIMILAR ACTIVITIES TO BE CONDUCTED IN WETLANDS UNLESS OTHERWISE DEPICTED.

CT DOT CORRIDOR/PROJECT WORK AREA DESCRIPTION

WETLANDS, WATERCOURSES, WATERWAYS AND SENSITIVE AREAS

- NO WETLANDS, WATERCOURSES OR WATERWAYS
- NO NDDB AREA WITHIN SHEET
- CT DEEP COASTAL ZONE

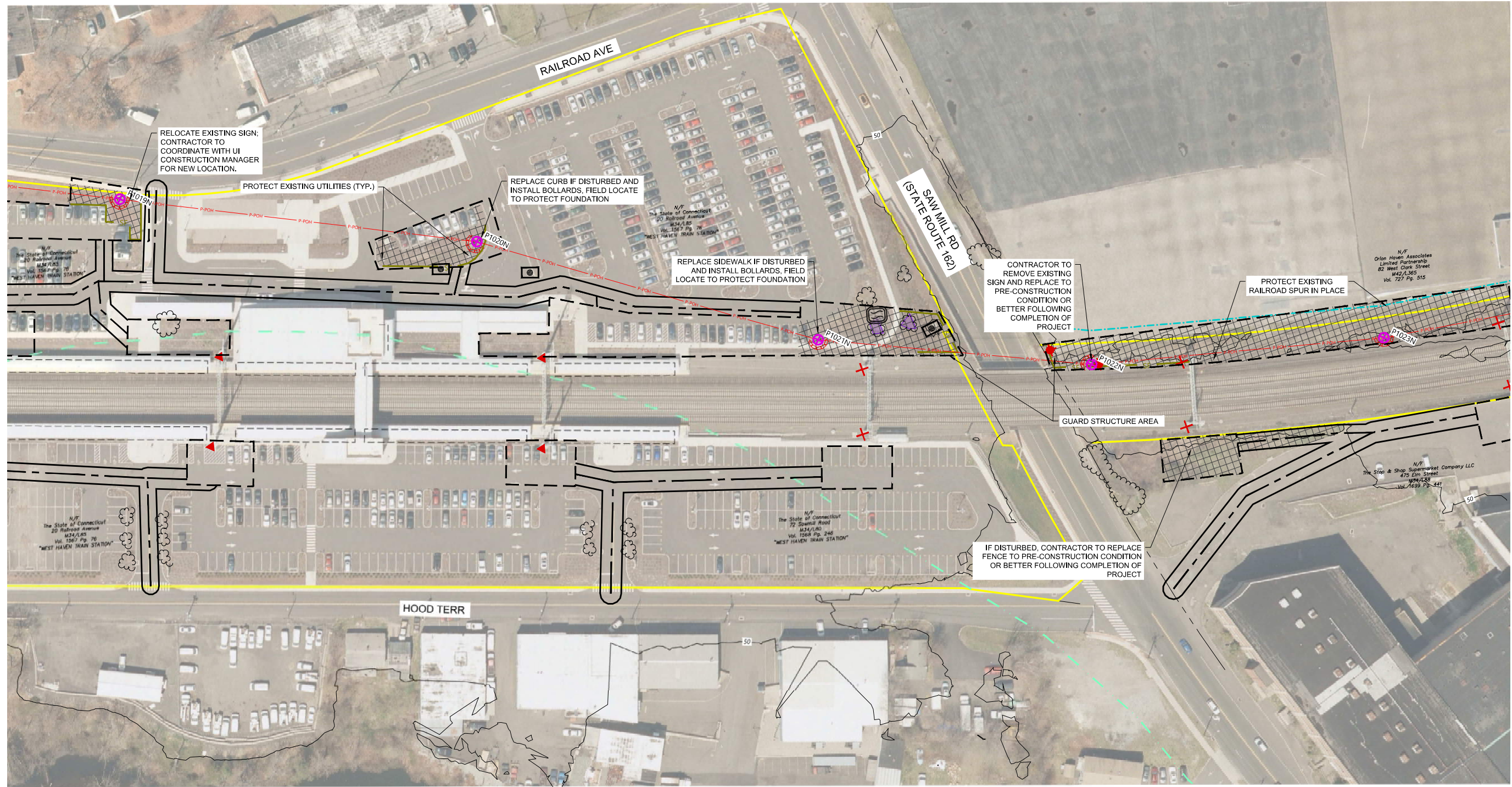
ROAD CROSSINGS

- SAW MILL RD

Westwood Surveying & Engineering
 Phone (952) 937-5150 1684 South Broad Street, Suite #300
 Fax (952) 937-5822 Lansdale, PA 19446
 Toll Free (888) 937-5150 www.wse.com
 Westwood Surveying and Engineering, P.C.

				UI 115-kV RR PROJECT MILVON TO WEST RIVER DEVELOPMENT & MANAGEMENT PLAN	
MAPSHEET 4 STRUCTURES AND NOTES					
DR.	SFB	SCALE	AS SHOWN	FILE:	
CK.	JRD	NO.			
APP.	MSP				
REV.	DATE	BY	DESCRIPTION	APP.	DATE
0-0A	2023/05/12	WESTWOOD	SEGMENT 2 D&M PLAN FOR CSC REVIEW		

CADD Drawings DO NOT REVISE MANUALLY.



SEE SHEET 3

SEE SHEET 5

LEGEND

<ul style="list-style-type: none"> PROPOSED TRANSMISSION POLE EXISTING TRANSMISSION POLE SUBSTATION TERMINATION STRUCTURE PROPOSED TRANSMISSION CENTER LINE NEW UI EASEMENT BOUNDARY PROPOSED TEMPORARY ACCESS ROAD PROPOSED WORK/PULLING PAD EXISTING CTOD CORRIDOR BOUNDARY EXISTING PROPERTY LINE PROPOSED TEMPORARY MATTING TEMPORARY MATTED WETLAND IMPACT TEMPORARY MATTED STREAM IMPACT 	<ul style="list-style-type: none"> FIELD DELINEATED TIDAL WETLAND FIELD DELINEATED WETLAND FEMA 100-YEAR FLOODPLAIN LIMIT UI OWNED PROPERTY FIELD DELINEATED STREAM EXISTING TREE LINE PROPOSED TREE CLEARING FIELD DELINEATED TIDAL STREAM CT DEEP COASTAL ZONE PROPOSED PERMANENT ACCESS ROAD TO REMAIN OPEN ENDED WETLAND DELINEATION BOUNDARY OPEN ENDED WETLAND DELINEATION DIRECTION 	<ul style="list-style-type: none"> EXISTING HARDWARE ONLY TO BE REMOVED EXISTING STEEL POLE TO BE REMOVED EXISTING LATTICE TOWER TO BE REMOVED EXISTING BONNET TO BE REMOVED EXISTING WOOD POLE TO BE REMOVED EXISTING STEEL POLE TOP TO BE REMOVED AND CAPPED DRAINAGE CROSSING 	<ul style="list-style-type: none"> CATCH BASIN INLET PROTECTION STRAW BALE SEDIMENT PROTECTION CONCRETE WASHOUT ROCK CONSTRUCTION ENTRANCE 	<ul style="list-style-type: none"> SF SEDIMENT BARRIER RSC REDUNDANT SEDIMENT BARRIER - DOUBLE ROW EF EXCLUSIONARY FENCE LOD LIMIT OF DISTURBANCE
--	--	--	--	---



Westwood Surveying & Engineering
 Phone (952) 937-5150 1684 South Broad Street, Suite #300
 Fax (952) 937-5822 Lansdale, PA 19446
 Toll Free (888) 937-5150 www-pc.com
 Westwood Surveying and Engineering, P.C.

				UI 115-kV RR PROJECT MILVON TO WEST RIVER DEVELOPMENT & MANAGEMENT PLAN			
0-0A	2023/05/12	WESTWOOD	SEGMENT 2 D&M PLAN FOR CSC REVIEW	CK. JRD	NO.		
REV.	DATE	BY	DESCRIPTION	APP.	DATE:		
MAPSHEET 4 OF 6						REV. 0-0A	

CADD Drawings DO NOT REVISE MANUALLY

GENERAL NOTES

GENERAL WORK DESCRIPTION

- NEW STEEL MONOPOLES P1023N, P1023AN, P1025N AND P1026N WILL BE INSTALLED.
- BONNETS B1023N/S, B1024N/S AND B1025N/S WILL BE REMOVED.
- HARDWARE AND INSULATORS ON EXISTING LATTICE TOWER B1023AS WILL BE REMOVED.
- EXISTING STEEL STRUCTURES P1026AN AND P1026AS WILL BE REMOVED.
- EXISTING WOOD POLES BETWEEN P1023AN AND P1026N ON THE NORTH SIDE OF THE RAILROAD TRACKS WILL BE REMOVED.
- EXISTING LATTICE TOWER B1023AN WILL BE REMOVED.
- UNDERGROUND CROSS BONDING INSTALLATION BETWEEN NEW STEEL MONOPOLE P1023N AND EXISTING CATENARY STRUCTURE B1023N, NEW STEEL MONOPOLE P1023AN AND EXISTING CATENARY STRUCTURE B1024N.
- PROJECT ACTIVITIES INCLUDE: VEGETATION CLEARING, REMOVAL OF EXISTING 115-kV EQUIPMENT, AND INSTALLATION OF ACCESS ROADS, WORK PADS, FOUNDATIONS, STEEL MONOPOLES, AND CONDUCTOR.
- EROSION AND SEDIMENT CONTROLS TO BE INSTALLED ON SITE UNDER THE SUPERVISION OF AN ENVIRONMENTAL INSPECTOR IN ACCORDANCE WITH CT DEEP GUIDELINES AND THE PROJECT SWPCP.
- EROSION AND SEDIMENT CONTROLS ARE SHOWN IN GENERAL LOCATIONS ON THE PLANS BUT MAY BE MODIFIED BASED ON SITE FIELD CONDITIONS.
- CONCRETE WASHOUTS ARE SHOWN IN GENERAL LOCATIONS AND ARE TO BE UTILIZED IN ACCORDANCE WITH CT DEEP EROSION AND SEDIMENT CONTROL REQUIREMENTS.
- TEMPORARY ACCESS AND PADS WITH NO MATTING ARE ON EXISTING PAVEMENT OR GRAVEL. ACCESS ROUTES THROUGH PAVEMENT AND GRAVEL AREAS ARE SUBJECT TO CHANGE BASED ON ACCESS AGREEMENTS WITH LANDOWNER.
- NO STUMP REMOVAL, GRADING, MECHANIZED PUSHING, DRAGGING, TEMPORARY SIDE-CASTING OF EXCAVATED MATERIAL OR OTHER SIMILAR ACTIVITIES TO BE CONDUCTED IN WETLANDS UNLESS OTHERWISE DEPICTED.

CT DOT CORRIDOR/PROJECT WORK AREA DESCRIPTION

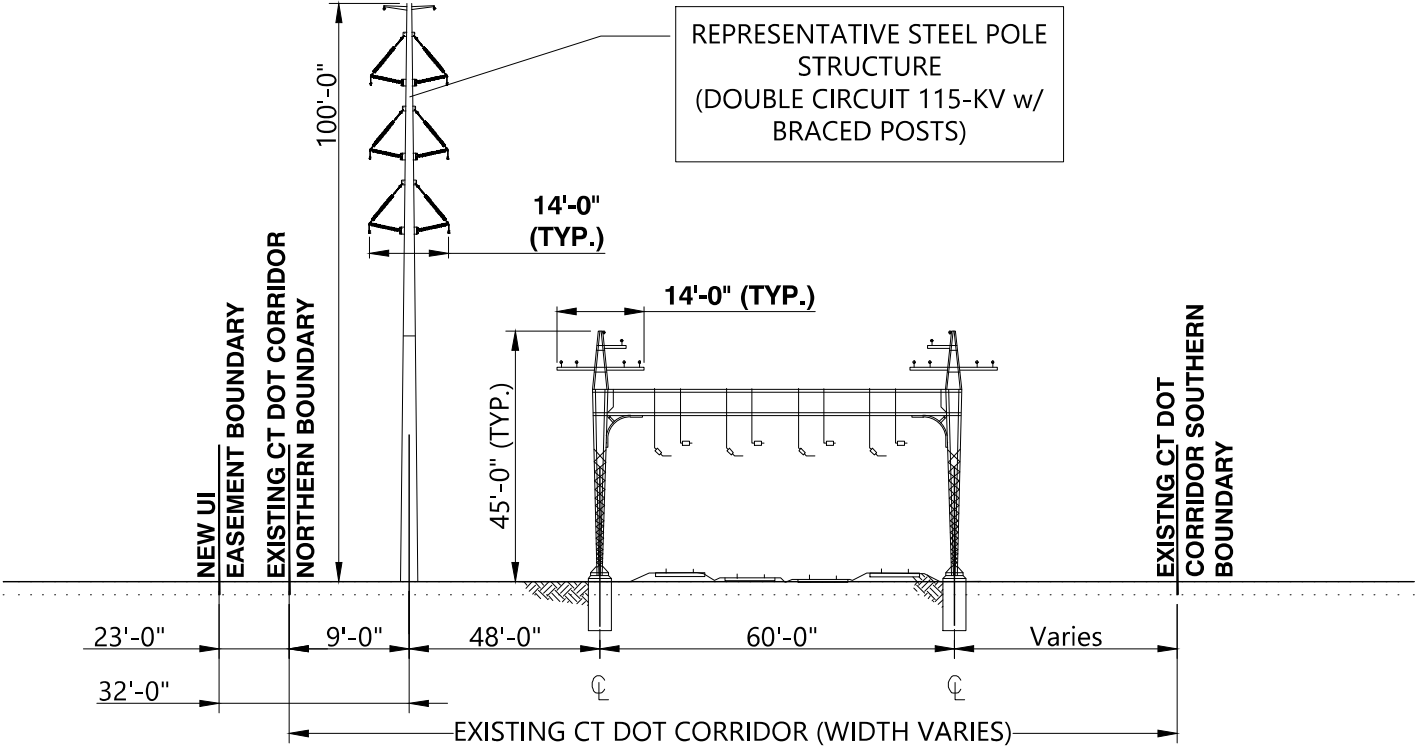
- WETLANDS, WATERCOURSES, WATERWAYS AND SENSITIVE AREAS
- WETLAND WH-W10
 - NO NDDB AREA WITHIN SHEET

- ROAD CROSSINGS
- NONE

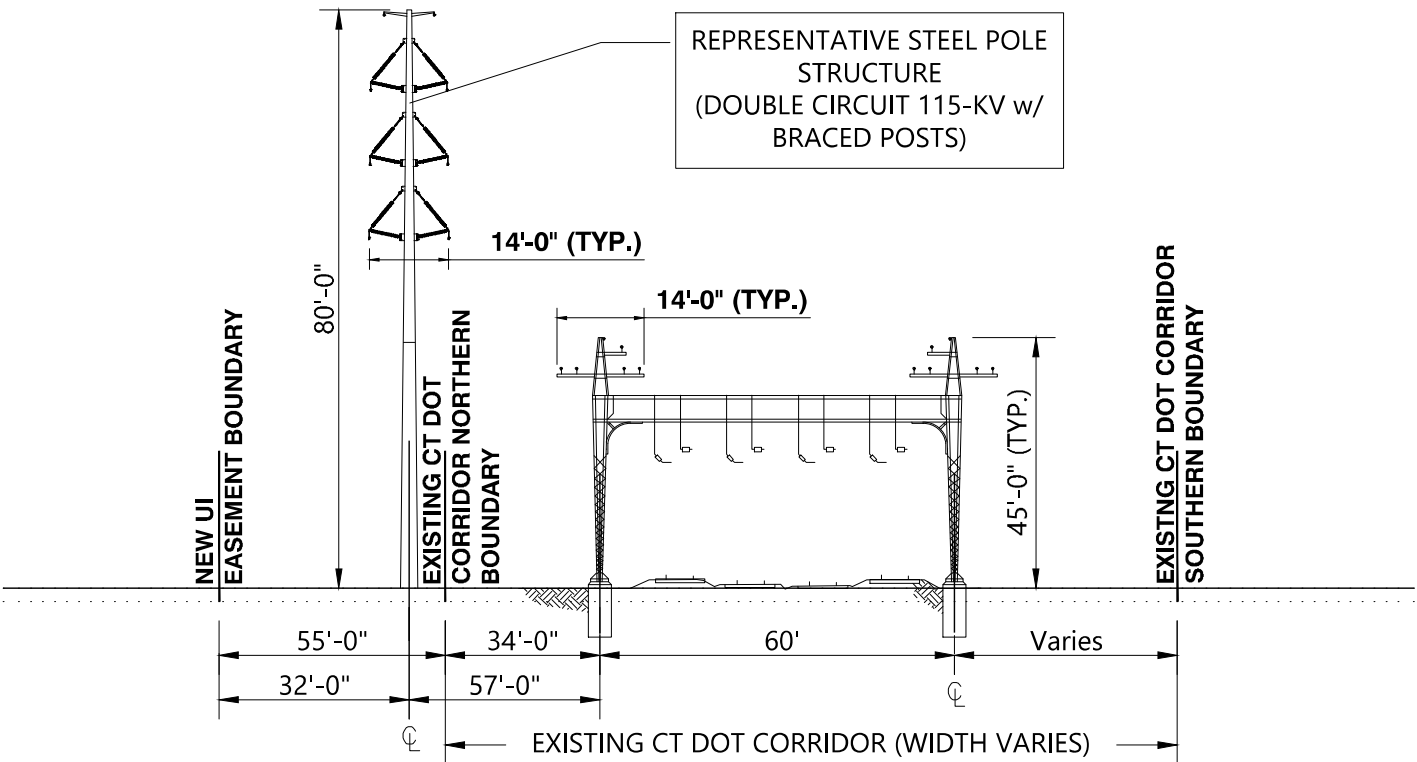
STRUCTURE NO.	STRUCTURE TYPE	CROSS SECTION	HEIGHT (FT)	FOUNDATION
P1023N	TANGENT	N/A*	121	CONCRETE DRILLED PIER
P1023AN	DEADEND	N/A*	121	CONCRETE DRILLED PIER
P1025N	TANGENT	XS-10	81	CONCRETE DRILLED PIER
P1026N	TANGENT	XS-9	101	CONCRETE DRILLED PIER

*THESE STRUCTURE ARRANGEMENTS ARE NON-TYPICAL, SEE PROJECT PLAN AND PROFILE DRAWINGS FOR DETAILS

STRUCTURE DETAIL TABLE



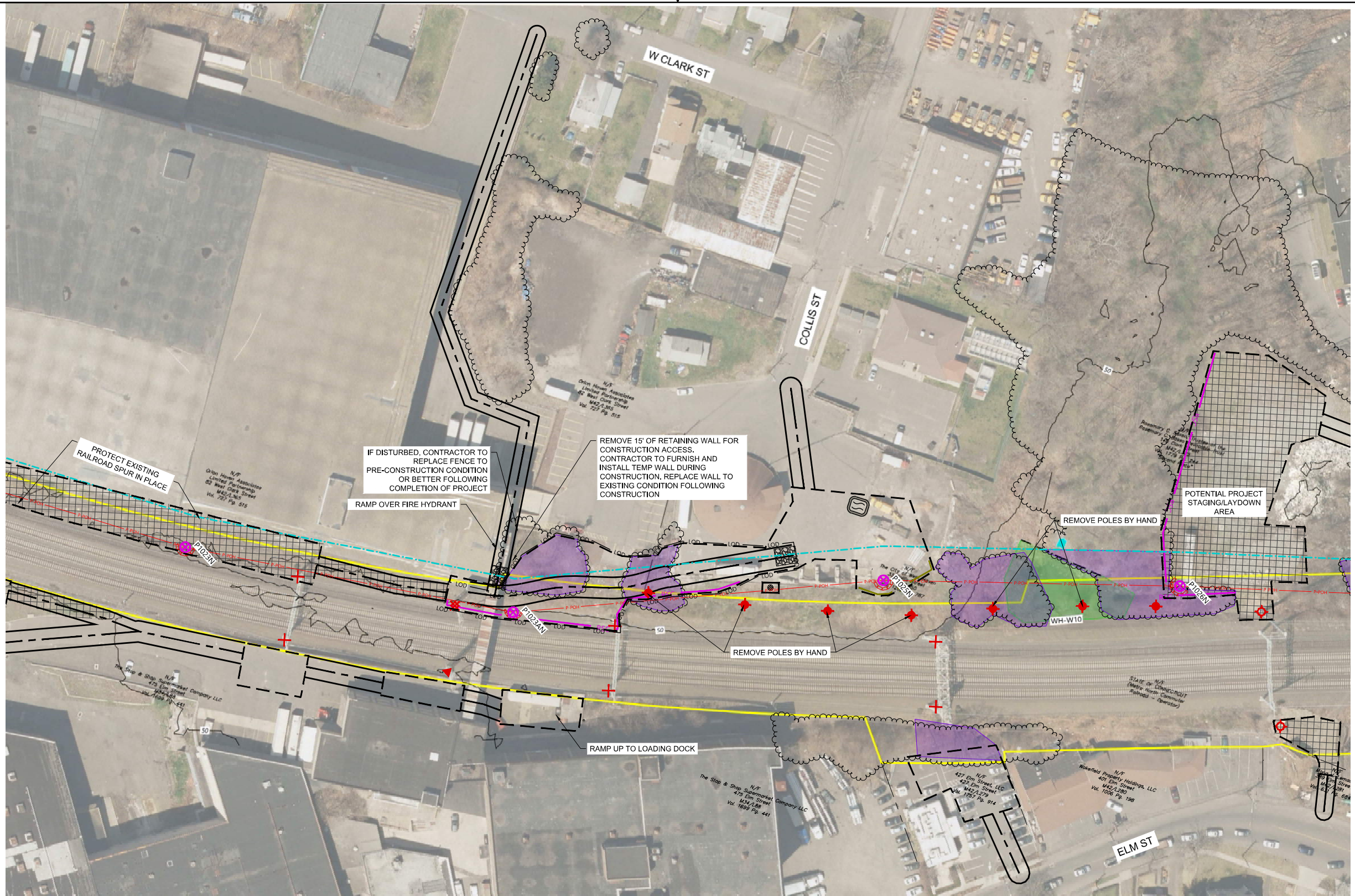
XS-9 (FACING NORTH)



XS-10 (FACING NORTH)

Westwood Surveying & Engineering
 Phone (952) 937-5150 1684 South Broad Street, Suite #300
 Fax (952) 937-5822 Lansdale, PA 19446
 Toll Free (888) 937-5150 ww-pec.com
 Westwood Surveying and Engineering, P.C.

						UI 115-kV RR PROJECT MILVON TO WEST RIVER DEVELOPMENT & MANAGEMENT PLAN	
				MAPSHEET 5 STRUCTURES AND NOTES			
DR.	SFB	SCALE	AS SHOWN	FILE:			
CK.	JRD			NO.			
APP.	MSP						
REV.	DATE	BY	DESCRIPTION	APP.	DATE:		



SEE SHEET 4

SEE SHEET 6

LEGEND

- PROPOSED TRANSMISSION POLE
- EXISTING TRANSMISSION POLE
- SUBSTATION TERMINATION STRUCTURE
- PROPOSED TRANSMISSION CENTER LINE
- NEW UI EASEMENT BOUNDARY
- PROPOSED TEMPORARY ACCESS ROAD
- PROPOSED WORK/PULLING PAD
- EXISTING CT DOT CORRIDOR BOUNDARY
- EXISTING PROPERTY LINE
- PROPOSED TEMPORARY MATTING
- TEMPORARY MATTED WETLAND IMPACT
- TEMPORARY MATTED STREAM IMPACT
- FIELD DELINEATED TIDAL WETLAND
- FIELD DELINEATED WETLAND
- FEMA 100-YEAR FLOODPLAIN LIMIT
- UI OWNED PROPERTY
- FIELD DELINEATED STREAM
- EXISTING TREE LINE
- PROPOSED TREE CLEARING
- FIELD DELINEATED TIDAL STREAM
- CT DEEP COASTAL ZONE
- PROPOSED PERMANENT ACCESS ROAD
- ROAD TO REMAIN
- OPEN ENDED WETLAND DELINEATION BOUNDARY
- OPEN ENDED WETLAND DELINEATION DIRECTION

- EXISTING HARDWARE ONLY TO BE REMOVED
- EXISTING STEEL POLE TO BE REMOVED
- EXISTING LATTICE TOWER TO BE REMOVED
- EXISTING BONNET TO BE REMOVED
- EXISTING WOOD POLE TO BE REMOVED
- EXISTING STEEL POLE TOP TO BE REMOVED AND CAPPED
- DRAINAGE CROSSING

- CATCH BASIN INLET PROTECTION
- STRAW BALE SEDIMENT PROTECTION
- CONCRETE WASHOUT
- ROCK CONSTRUCTION ENTRANCE

- SF SEDIMENT BARRIER
- RSC REDUNDANT SEDIMENT BARRIER - DOUBLE ROW
- EF EXCLUSIONARY FENCE
- LOD LIMIT OF DISTURBANCE



Westwood Surveying & Engineering
 Phone (952) 937-5150 1684 South Broad Street, Suite #300
 Fax (952) 937-5822 Lansdale, PA 19446
 Toll Free (888) 937-5150 www-pc.com
 Westwood Surveying and Engineering, P.C.

REV.	DATE	BY	DESCRIPTION	APP.	DATE:
0-0A	2023/05/12	WESTWOOD	SEGMENT 2 D&M PLAN FOR CSC REVIEW		



UI 115-kV RR PROJECT MILVON TO WEST RIVER DEVELOPMENT & MANAGEMENT PLAN

DR.	SFB	SCALE	AS SHOWN	FILE:	
CK.	JRD	NO.			
APP.	MSP	MAPSHEET 5 OF 6			
					REV. 0-0A

CADD Drawing. DO NOT REVISE MANUALLY.

GENERAL NOTES

GENERAL WORK DESCRIPTION

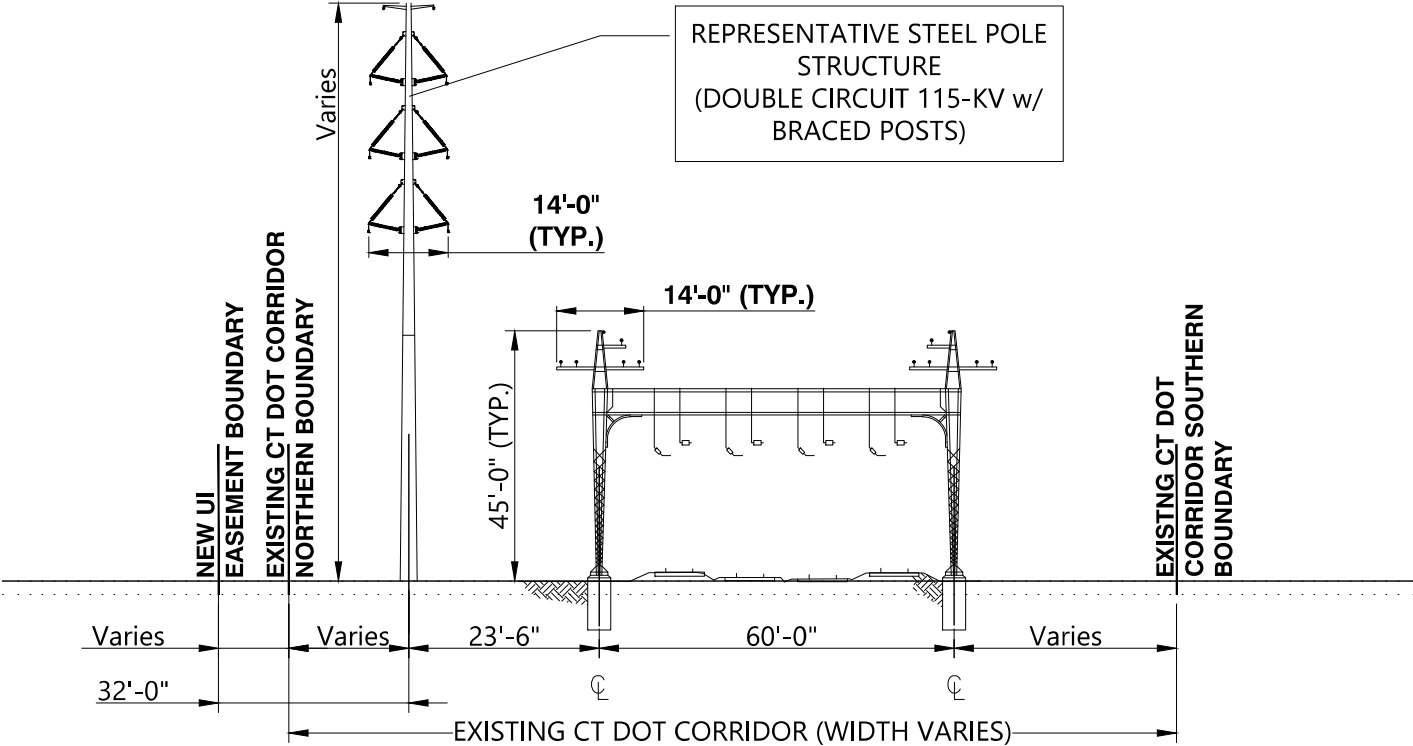
- NEW STEEL MONOPOLES P1027N, P1028N/S, P1029SS AND P1029WNS WILL BE INSTALLED.
- BONNETS B1027N/S, B1028N/S AND B1029N/S WILL BE REMOVED.
- EXISTING WOOD POLES NEAR PROPOSED POLE P1028N WILL BE REMOVED.
- EXISTING STEEL STRUCTURES OUTSIDE AND ADJACENT TO, AS WELL AS, ON THE OPPOSITE SIDE OF THE TRACKS FROM ELMWEST SUBSTATION WILL BE REMOVED.
- TEMPORARY WOOD POLE WP1030 TO BE REMOVED.
- PROJECT ACTIVITIES INCLUDE: VEGETATION CLEARING, REMOVAL OF EXISTING 115-kV EQUIPMENT, AND INSTALLATION OF ACCESS ROADS, WORK PADS, FOUNDATIONS, STEEL MONOPOLES, AND CONDUCTOR.
- EROSION AND SEDIMENT CONTROLS TO BE INSTALLED ON SITE UNDER THE SUPERVISION OF AN ENVIRONMENTAL INSPECTOR IN ACCORDANCE WITH CT DEEP GUIDELINES AND THE PROJECT SWPCP.
- EROSION AND SEDIMENT CONTROLS ARE SHOWN IN GENERAL LOCATIONS ON THE PLANS BUT MAY BE MODIFIED BASED ON SITE FIELD CONDITIONS.
- CONCRETE WASHOUTS ARE SHOWN IN GENERAL LOCATIONS AND ARE TO BE UTILIZED IN ACCORDANCE WITH CT DEEP EROSION AND SEDIMENT CONTROL REQUIREMENTS.
- TEMPORARY ACCESS AND PADS WITH NO MATTING ARE ON EXISTING PAVEMENT OR GRAVEL. ACCESS ROUTES THROUGH PAVEMENT AND GRAVEL ARE SUBJECT TO CHANGE BASED ON ACCESS AGREEMENTS WITH LANDOWNER.
- NO STUMP REMOVAL, GRADING, MECHANIZED PUSHING, DRAGGING, TEMPORARY SIDE-CASTING OF EXCAVATED MATERIAL OR OTHER SIMILAR ACTIVITIES TO BE CONDUCTED IN WETLANDS UNLESS OTHERWISE DEPICTED.

CT DOT CORRIDOR/PROJECT WORK AREA DESCRIPTION

- WETLANDS, WATERCOURSES, WATERWAYS AND SENSITIVE AREAS
- NONE, NO NDDB AREA WITHIN SHEET

ROAD CROSSINGS

- NONE



XS-9 (FACING NORTH)

STRUCTURE NO.	STRUCTURE TYPE	CROSS SECTION	HEIGHT (FT)	FOUNDATION
P1027N	TANGENT	XS-9	101	CONCRETE DRILLED PIER
P1028N	DEADEND	XS-9	117.5	CONCRETE DRILLED PIER
P1028S	DEADEND	N/A*	123	CONCRETE DRILLED PIER
P1029SS	DEADEND	N/A*	76	CONCRETE DRILLED PIER
P1029WNS	DEADEND	N/A*	71	CONCRETE DRILLED PIER

*THESE STRUCTURE ARRANGEMENTS ARE NON-TYPICAL, SEE PROJECT PLAN AND PROFILE DRAWINGS FOR DETAILS

STRUCTURE DETAIL TABLE

Westwood Surveying & Engineering
 Phone (952) 937-5150 1684 South Broad Street, Suite #300
 Fax (952) 937-5822 Lansdale, PA 19446
 Toll Free (888) 937-5150 www-wse.com
 Westwood Surveying and Engineering, P.C.

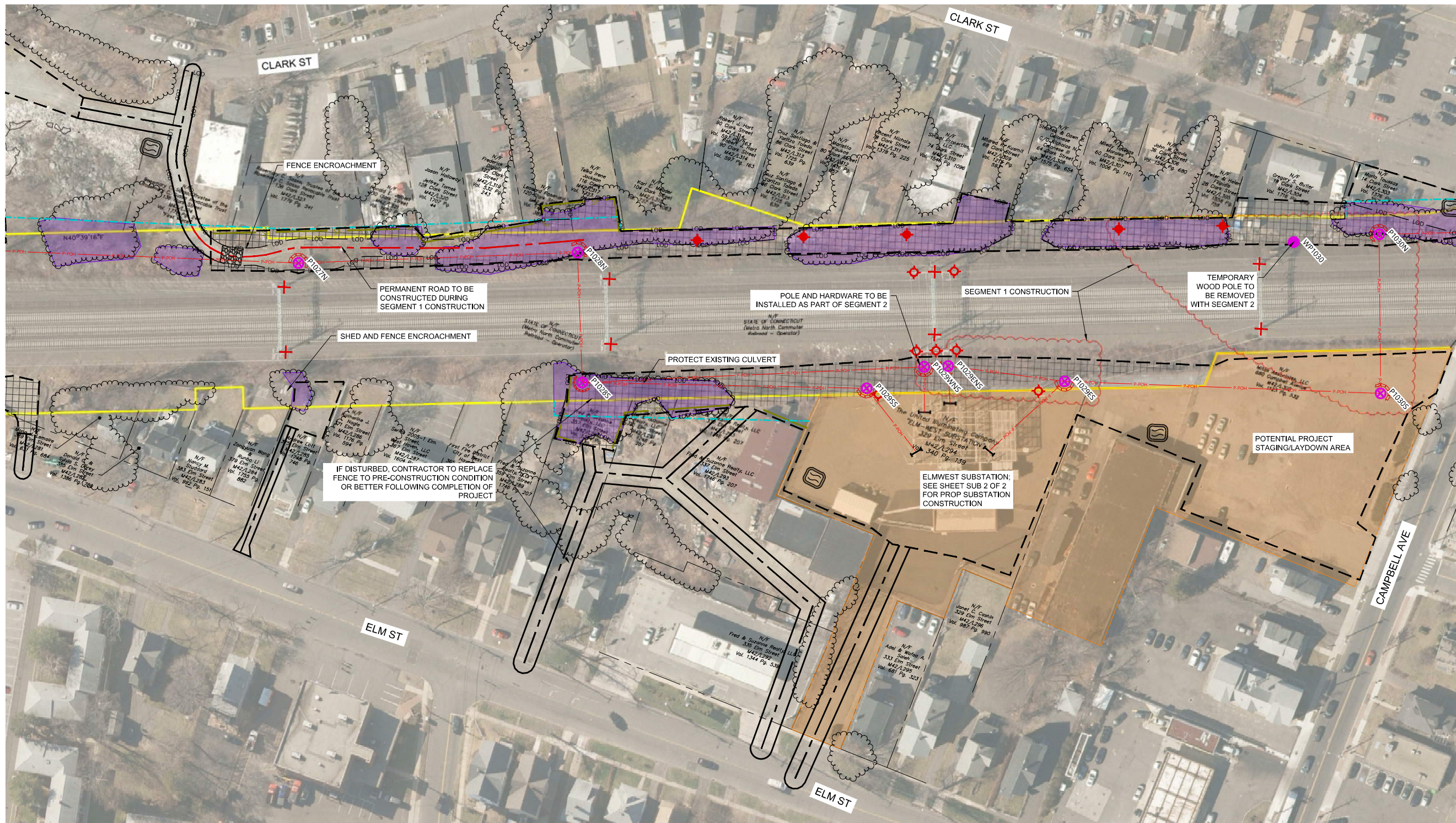


UI 115-kV RR PROJECT MILVON TO WEST RIVER DEVELOPMENT & MANAGEMENT PLAN

MAPSHEET 6 STRUCTURES AND NOTES

DR.	SFB	SCALE	AS SHOWN	FILE:	REV.
CK	JRD	NO.			0-0A
APP.	MSP				
REV.	DATE	BY	DESCRIPTION	APP.	DATE
0-0A	2023/05/12	WESTWOOD	SEGMENT 2 D&M PLAN FOR CSC REVIEW		

ANSI D. CAD Drawing. DO NOT REVISE MANUALLY.



SEE SHEET 5

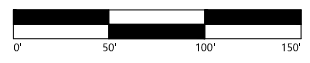
LEGEND

- PROPOSED TRANSMISSION POLE
- EXISTING TRANSMISSION POLE
- SUBSTATION TERMINATION STRUCTURE
- PROPOSED TRANSMISSION CENTER LINE
- NEW UI EASEMENT BOUNDARY
- PROPOSED TEMPORARY ACCESS ROAD
- PROPOSED WORK/PULLING PAD
- EXISTING CTDOT CORRIDOR BOUNDARY
- EXISTING PROPERTY LINE
- PROPOSED TEMPORARY MATTING
- TEMPORARY MATTED WETLAND IMPACT
- TEMPORARY MATTED STREAM IMPACT
- FIELD DELINEATED TIDAL WETLAND
- FIELD DELINEATED WETLAND
- FEMA 100-YEAR FLOODPLAIN LIMIT
- UI OWNED PROPERTY
- FIELD DELINEATED STREAM
- EXISTING TREE LINE
- PROPOSED TREE CLEARING
- FIELD DELINEATED TIDAL STREAM
- CT DEEP COASTAL ZONE
- PROPOSED PERMANENT ACCESS ROAD TO REMAIN
- OPEN ENDED WETLAND DELINEATION BOUNDARY
- OPEN ENDED WETLAND DELINEATION DIRECTION

- EXISTING HARDWARE ONLY TO BE REMOVED
- EXISTING STEEL POLE TO BE REMOVED
- EXISTING LATTICE TOWER TO BE REMOVED
- EXISTING BONNET TO BE REMOVED
- EXISTING WOOD POLE TO BE REMOVED
- EXISTING STEEL POLE TOP TO BE REMOVED AND CAPPED
- DRAINAGE CROSSING

- CATCH BASIN INLET PROTECTION
- STRAW BALE SEDIMENT PROTECTION
- CONCRETE WASHOUT
- ROCK CONSTRUCTION ENTRANCE

- SF SEDIMENT BARRIER
- RSC REDUNDANT SEDIMENT BARRIER - DOUBLE ROW
- EF EXCLUSIONARY FENCE
- LOD LIMIT OF DISTURBANCE



Westwood Surveying & Engineering
 Phone (952) 937-5150 1684 South Broad Street, Suite #300
 Fax (952) 937-5822 Lansdale, PA 19446
 TelFree (888) 937-5150 ww-pe.com
 Westwood Surveying and Engineering, P.C.

REV.	DATE	BY	DESCRIPTION	APP.	DATE
0-0A	2023/05/12	WESTWOOD	SEGMENT 2 D&M PLAN FOR CSC REVIEW		

UI AVANGRID UI 115-kV RR PROJECT MILVON TO WEST RIVER DEVELOPMENT & MANAGEMENT PLAN

DR.	SFB	SCALE	AS SHOWN	FILE:	
CK.	JRD	NO.			
APP.	MSP		MAPSHEET 6 OF 6		0-0A

CADD Drawing. DO NOT REVISE MANUALLY.

SUBSTATION WORK PLANS

SUBSTATION 1: ELMWEST SUBSTATION

SUBSTATION 2: ALLINGS CROSSING SUBSTATION

ANSI D CADD Drawing. DO NOT REVISE MANUALLY.

**Westwood
Surveying & Engineering**
 Phone (952) 937-5150 1684 South Broad Street, Suite #300
 Fax (952) 937-5822 Lansdale, PA 19446
 Toll Free (888) 937-5150 ww-pec.com
 Westwood Surveying and Engineering, P.C.

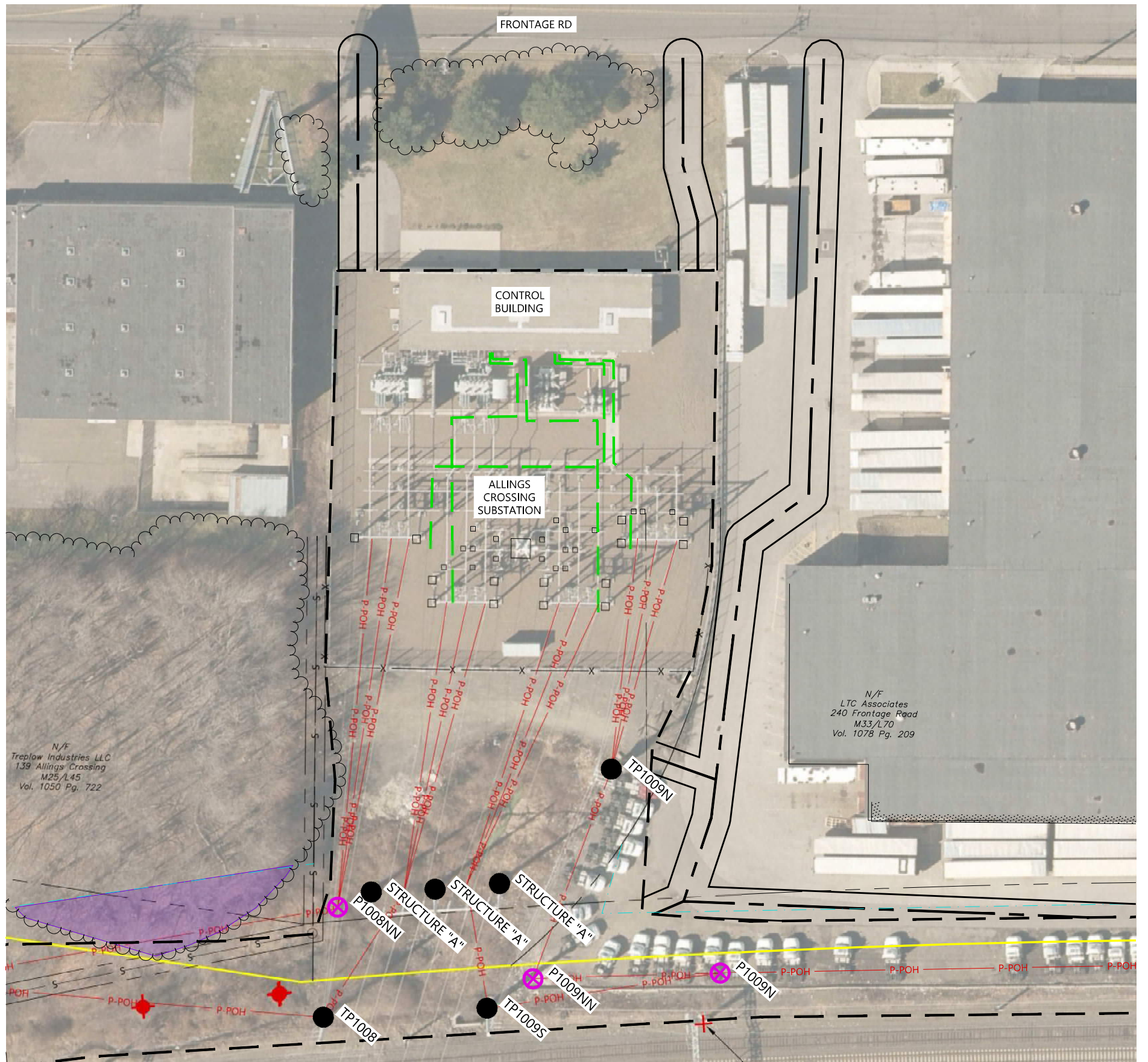


UI 115-kV RR PROJECT MILVON TO WEST RIVER
DEVELOPMENT & MANAGEMENT PLAN

				DR. SFB		SCALE AS SHOWN FILE:				REV.
				CK. JRD						0-0A
				APP. MSP						
				DATE:						
0-0A	2023/05/12	WESTWOOD	SEGMENT 2 D&M PLAN FOR CSC REVIEW							
REV.	DATE	BY	DESCRIPTION	APP.	DATE:					

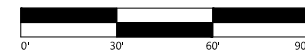
GENERAL ALLINGS CROSSING SUBSTATION NOTES:

1. UNDERGROUND ADSS FROM THE EASTERN MOST TERMINATION STRUCTURE TO THE SUBSTATION CONTROL BUILDING IS TO BE INSTALLED AS PART OF SEGMENT 2. ALL OTHER UNDERGROUND ADSS MAY BE INSTALLED AS PART OF SEGMENT 2 DEPENDING ON CONTRACTORS SEQUENCING APPROACH. IF NOT INSTALLED AS PART OF SEGMENT 2, IT WILL BE INSTALLED AS PART OF SEGMENT 4 CONSTRUCTION.



LEGEND

- | | | | |
|--|---|--|--|
| | PROPOSED TRANSMISSION POLE | | PROPOSED UNDERGROUND ADSS |
| | EXISTING TRANSMISSION POLE | | EXISTING FENCE |
| | SUBSTATION TERMINATION STRUCTURE | | PROPOSED TEMPORARY SUBSTATION FENCE |
| | PROPOSED TRANSMISSION CENTER LINE | | EXISTING HARDWARE ONLY TO BE REMOVED |
| | NEW UI EASEMENT BOUNDARY | | EXISTING STEEL POLE TO BE REMOVED |
| | PROPOSED TEMPORARY ACCESS ROAD | | EXISTING LATTICE TOWER TO BE REMOVED |
| | PROPOSED WORK/PULLING CONSTRUCTION AREA | | EXISTING BONNET TO BE REMOVED |
| | EXISTING CTDOT CORRIDOR BOUNDARY | | EXISTING WOOD POLE TO BE REMOVED |
| | EXISTING PROPERTY LINE | | EXISTING STEEL POLE TOP TO BE REMOVED AND CAPPED |
| | PROPOSED TEMPORARY MATTING | | |
| | EXISTING TREE LINE | | |
| | PROPOSED TREE CLEARING | | |



Westwood Surveying & Engineering
 Phone (952) 937-5150 1684 South Broad Street, Suite #300
 Fax (952) 937-5822 Lensdale, PA 19446
 Toll Free (888) 937-5150 www-pc.com
 Westwood Surveying and Engineering, P.C.

0-0A		2023/05/12	WESTWOOD	SEGMENT 2 D&M PLAN FOR CSC REVIEW	APP.	DATE:
REV.	DATE	BY	DESCRIPTION		APP.	DATE:

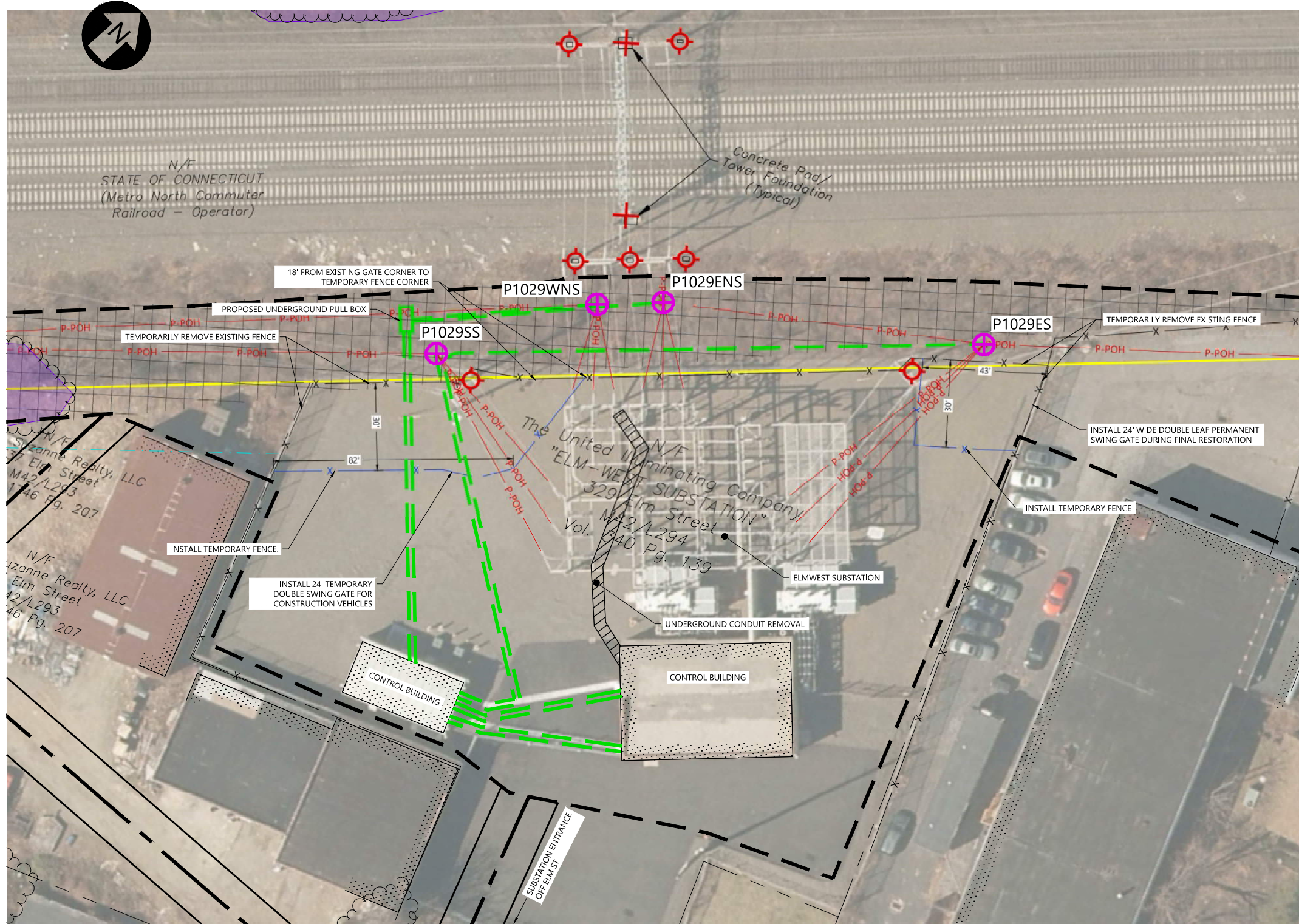


UI 115-kV RR PROJECT MILVON TO WEST RIVER DEVELOPMENT & MANAGEMENT PLAN
 ALLINGS CROSSING SUBSTATION

DR.	SFB	SCALE	AS SHOWN	FILE:	
CK	JRD	NO.			
APP.	MSP	SUB 1 OF 2			

REV. 0-0A

CADD Drawing. DO NOT REVISE MANUALLY.

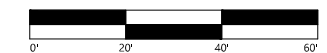


GENERAL ELMWEST SUBSTATION NOTES:

1. UNDERGROUND ADSS FROM P1029ENS TO SUBSTATION CONTROL BUILDING IS TO BE INSTALLED AS PART OF SEGMENT 1. ALL OTHER UNDERGROUND ADSS MAY BE INSTALLED AS PART OF SEGMENT 1 DEPENDING ON CONTRACTORS SEQUENCING APPROACH. IF NOT INSTALLED AS PART OF SEGMENT 1, IT WILL BE INSTALLED AS PART OF SEGMENT 2 CONSTRUCTION

LEGEND

- PROPOSED TRANSMISSION POLE
- EXISTING TRANSMISSION POLE
- SUBSTATION TERMINATION STRUCTURE
- PROPOSED TRANSMISSION CENTER LINE
- NEW UI EASEMENT BOUNDARY
- PROPOSED TEMPORARY ACCESS ROAD
- PROPOSED WORK/PULLING CONSTRUCTION AREA
- EXISTING CTDOT CORRIDOR BOUNDARY
- EXISTING PROPERTY LINE
- PROPOSED TEMPORARY MATTING
- EXISTING TREE LINE
- PROPOSED TREE CLEARING
- PROPOSED UNDERGROUND ADSS
- EXISTING FENCE
- PROPOSED TEMPORARY SUBSTATION FENCE
- EXISTING HARDWARE ONLY TO BE REMOVED
- EXISTING STEEL POLE TO BE REMOVED
- EXISTING LATTICE TOWER TO BE REMOVED
- EXISTING BONNET TO BE REMOVED
- EXISTING WOOD POLE TO BE REMOVED
- EXISTING STEEL POLE TOP TO BE REMOVED AND CAPPED
- DRAINAGE CROSSING



Westwood Surveying & Engineering
 Phone (952) 937-5150 1684 South Broad Street, Suite #300
 Fax (952) 937-5822 Lensdale, PA 19446
 Toll Free (888) 937-5150 www-pec.com
 Westwood Surveying and Engineering, P.C.

				UI 115-kV RR PROJECT MILVON TO WEST RIVER DEVELOPMENT & MANAGEMENT PLAN ELMWEST SUBSTATION			
				DR.	SFB	SCALE	AS SHOWN
0-0A	2023/05/12	WESTWOOD	SEGMENT 2 D&M PLAN FOR CSC REVIEW	CK	JRD	NO.	
REV.	DATE	BY	DESCRIPTION	APP.	MSP		
				DATE:		SUB 2 OF 2	REV. 0-0A

CADD Drawing. DO NOT REVISE MANUALLY.

TYPICAL DETAILS

DET 1: EROSION AND SEDIMENT CONTROL
 DET 2: CONSTRUCTION DETAILS

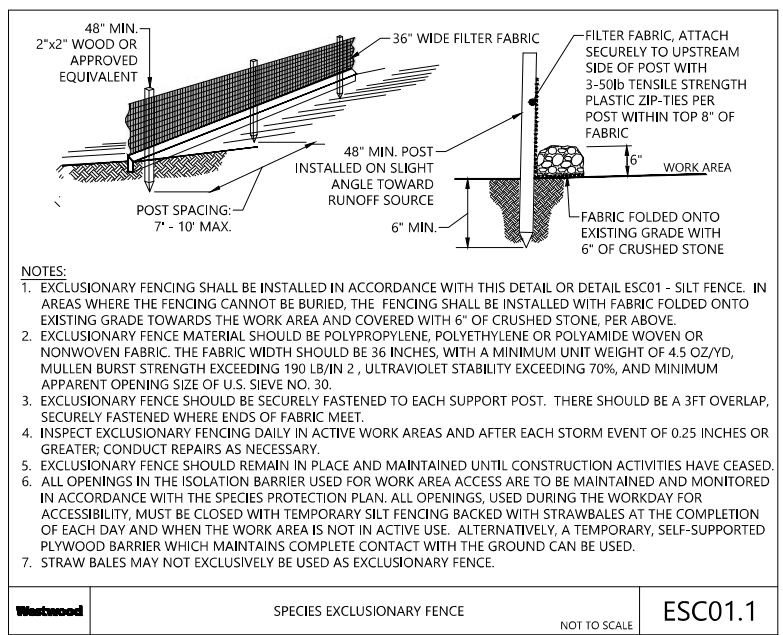
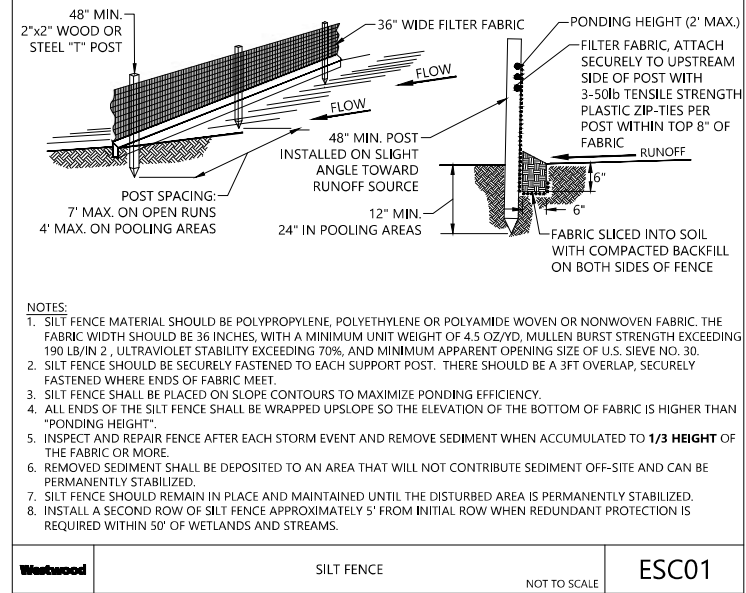
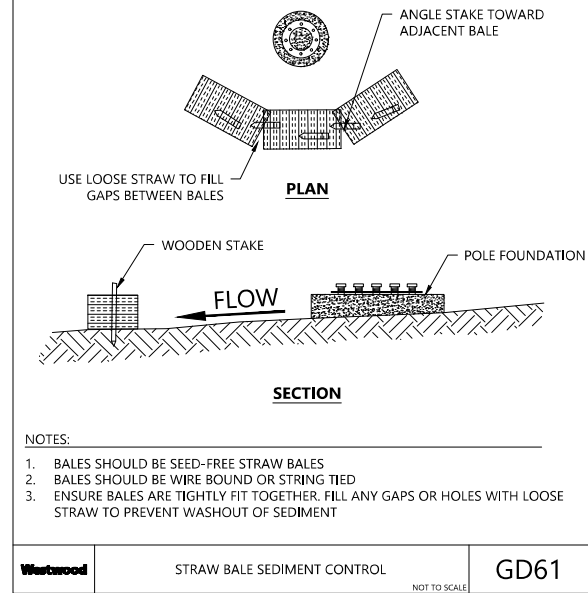
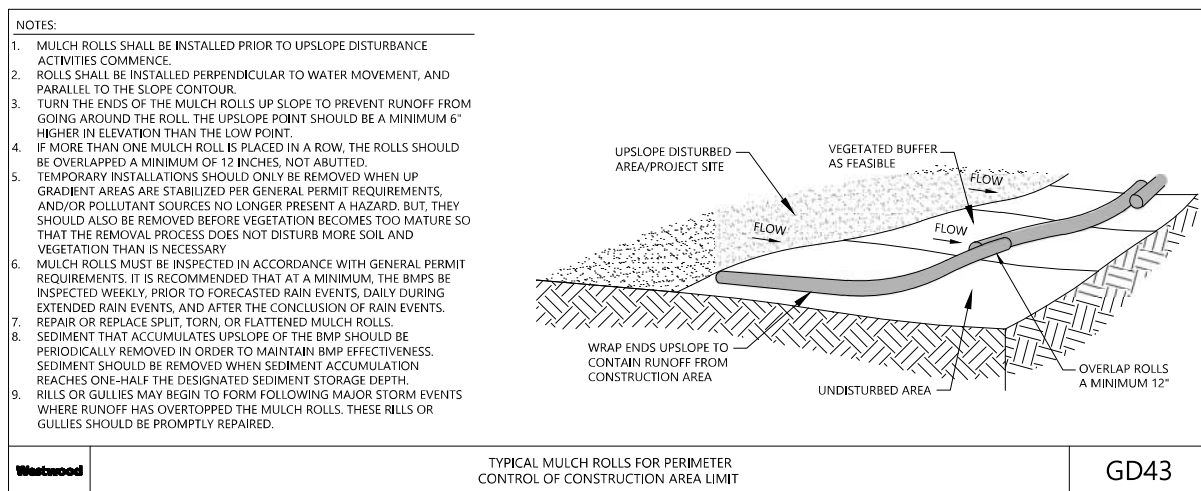
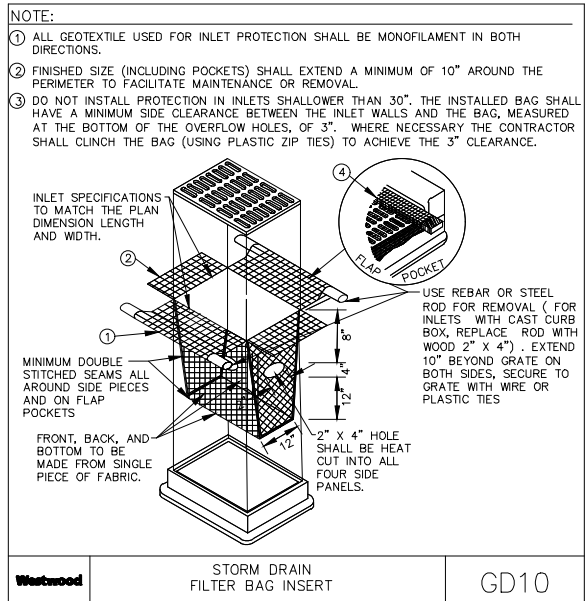
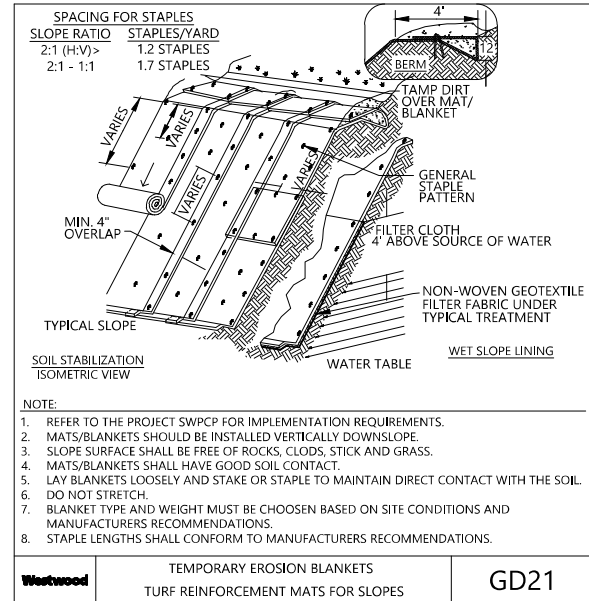
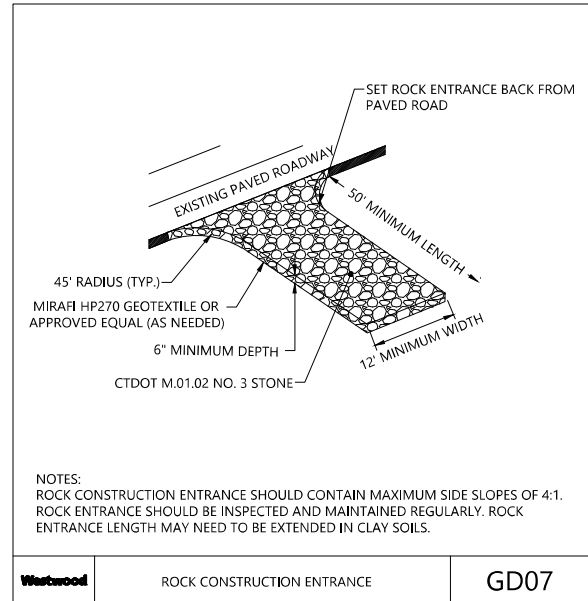
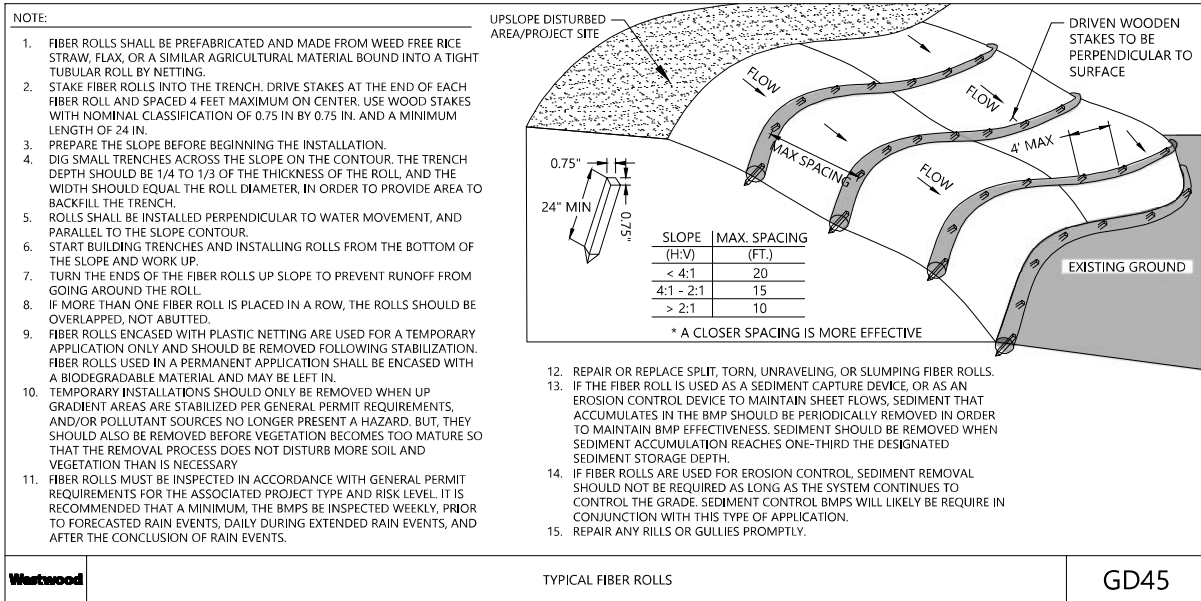
ANSI D CADD Drawing. DO NOT REVISE MANUALLY.

**Westwood
 Surveying & Engineering**
 Phone (952) 937-5150 1684 South Broad Street, Suite #300
 Fax (952) 937-5822 Lansdale, PA 19446
 Toll Free (888) 937-5150 ww-pec.com
 Westwood Surveying and Engineering, P.C.



UI 115-kV RR PROJECT MILVON TO WEST RIVER
 DEVELOPMENT & MANAGEMENT PLAN

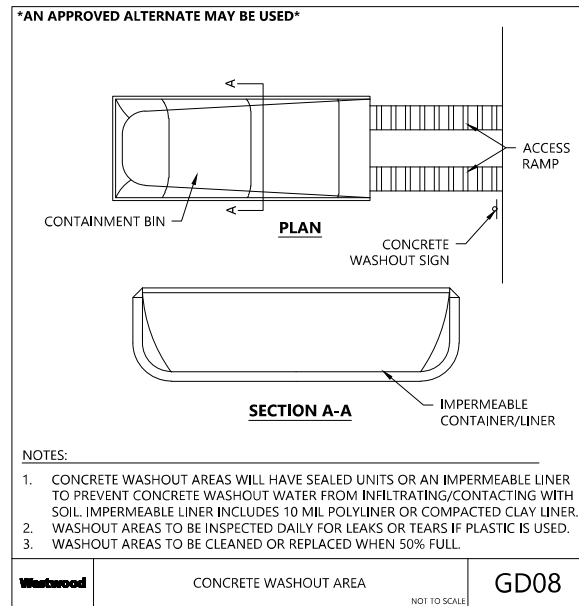
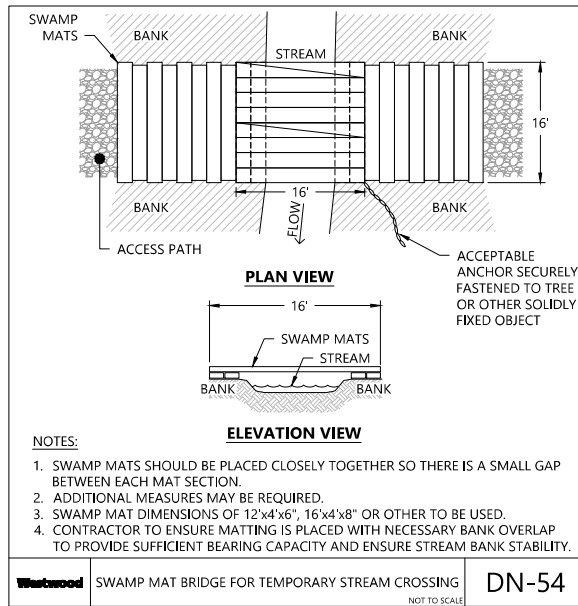
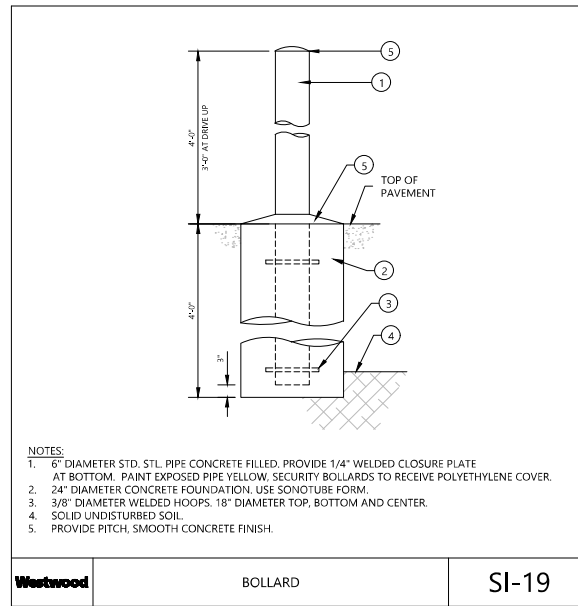
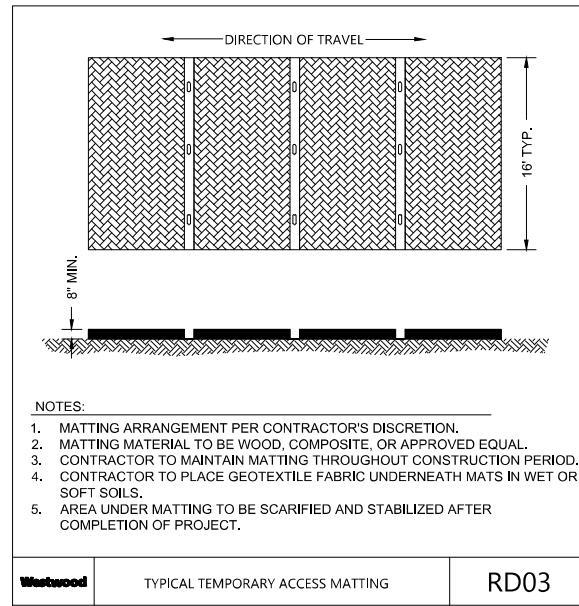
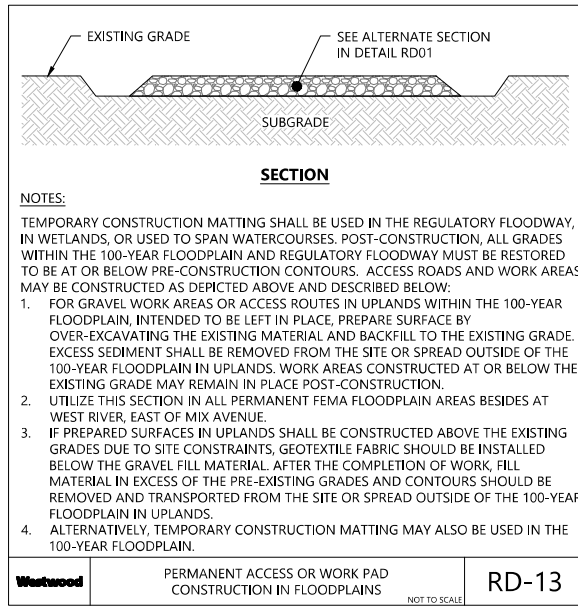
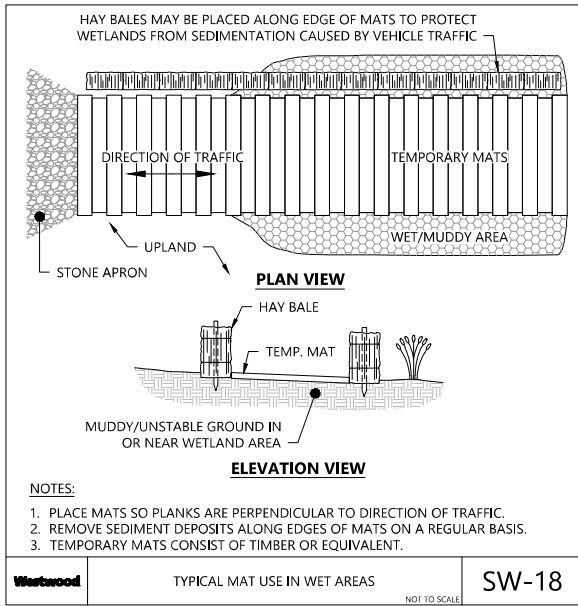
REV.	DATE	BY	DESCRIPTION	APP.	DATE	DR.	SCALE	AS SHOWN	FILE:	NO.	REV.
0-0A	2023/05/12	WESTWOOD	SEGMENT 2 D&M PLAN FOR CSC REVIEW			SFB					0-0A
						JRD					
						MSP					



Westwood Surveying & Engineering
 Phone (952) 937-5150 1684 South Broad Street, Suite #300
 Fax (952) 937-5822 Lansdale, PA 19446
 Tel/Fax (888) 937-5150 www-pc.com
 Westwood Surveying and Engineering, P.C.

						UI 115-kV RR PROJECT MILVON TO WEST RIVER DEVELOPMENT & MANAGEMENT PLAN	
				EROSION AND SEDIMENT CONTROL DETAILS			
DR.	SFB	SCALE	AS SHOWN	FILE:			
CK.	JRD	NO.					
APP.	MSP	DET	1 OF 2		REV.		
REV.	DATE	BY	DESCRIPTION		APP.	DATE:	0-0A
0-0A	2023/05/12	WESTWOOD	SEGMENT 2 D&M PLAN FOR CSC REVIEW				

CADD Drawing. DO NOT REVISE MANUALLY.



ANSI D15 CADD Drawing. DO NOT REVISE MANUALLY.

Westwood Surveying & Engineering

Phone (952) 937-5150 1684 South Broad Street, Suite #300
 Fax (952) 937-5822 Lansdale, PA 19446
 Toll Free (888) 937-5150 ww-ec.com
 Westwood Surveying and Engineering, P.C.

				UI 115-kV RR PROJECT MILVON TO WEST RIVER DEVELOPMENT & MANAGEMENT PLAN CONSTRUCTION DETAILS				
				DR. SFB	SCALE AS SHOWN	FILE:		
0-0A	2023/05/12	WESTWOOD	SEGMENT 2 D&M PLAN FOR CSC REVIEW	CK. JRD	NO.	DET 2 OF 2		0-0A
REV.	DATE	BY	DESCRIPTION	APP. MSP	DATE:			

STRUCTURE DETAILS

STR 1: TYPICAL STRUCTURE CONFIGURATIONS

STR 2: TYPICAL FOUNDATION & GROUNDING DETAILS

ANSI D CADD Drawing. DO NOT REVISE MANUALLY.

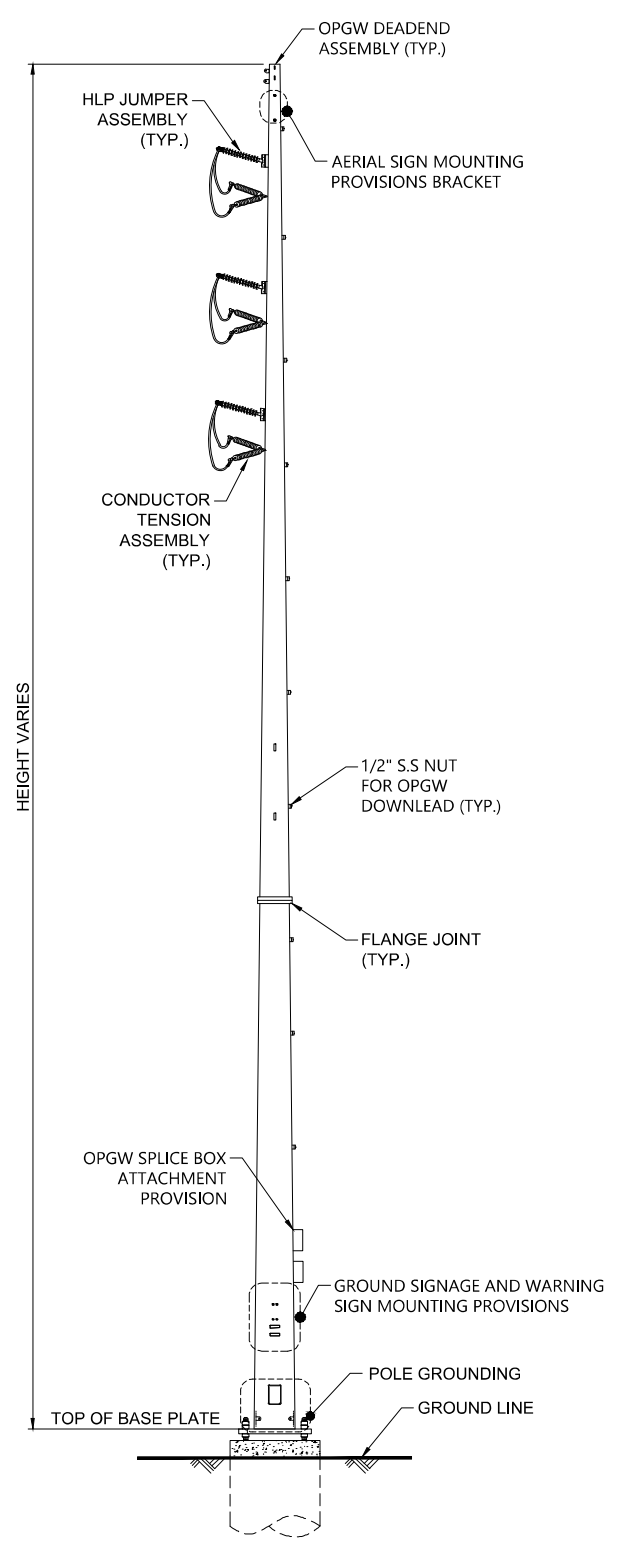
**Westwood
Surveying & Engineering**
 Phone (952) 937-5150 1684 South Broad Street, Suite #300
 Fax (952) 937-5822 Lansdale, PA 19446
 Toll Free (888) 937-5150 ww-pec.com
 Westwood Surveying and Engineering, P.C.



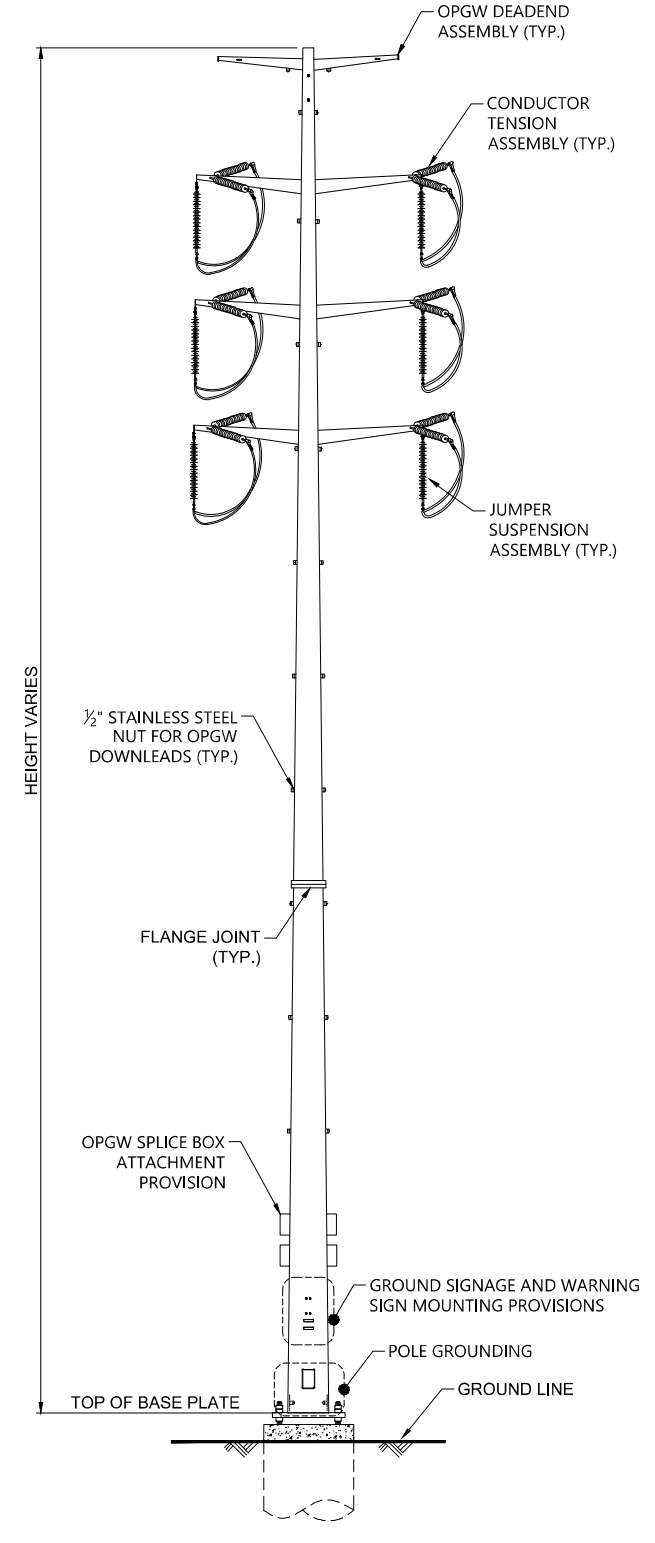
UI 115-kV RR PROJECT MILVON TO WEST RIVER
DEVELOPMENT & MANAGEMENT PLAN

TYPICAL STRUCTURE CONFIGURATIONS

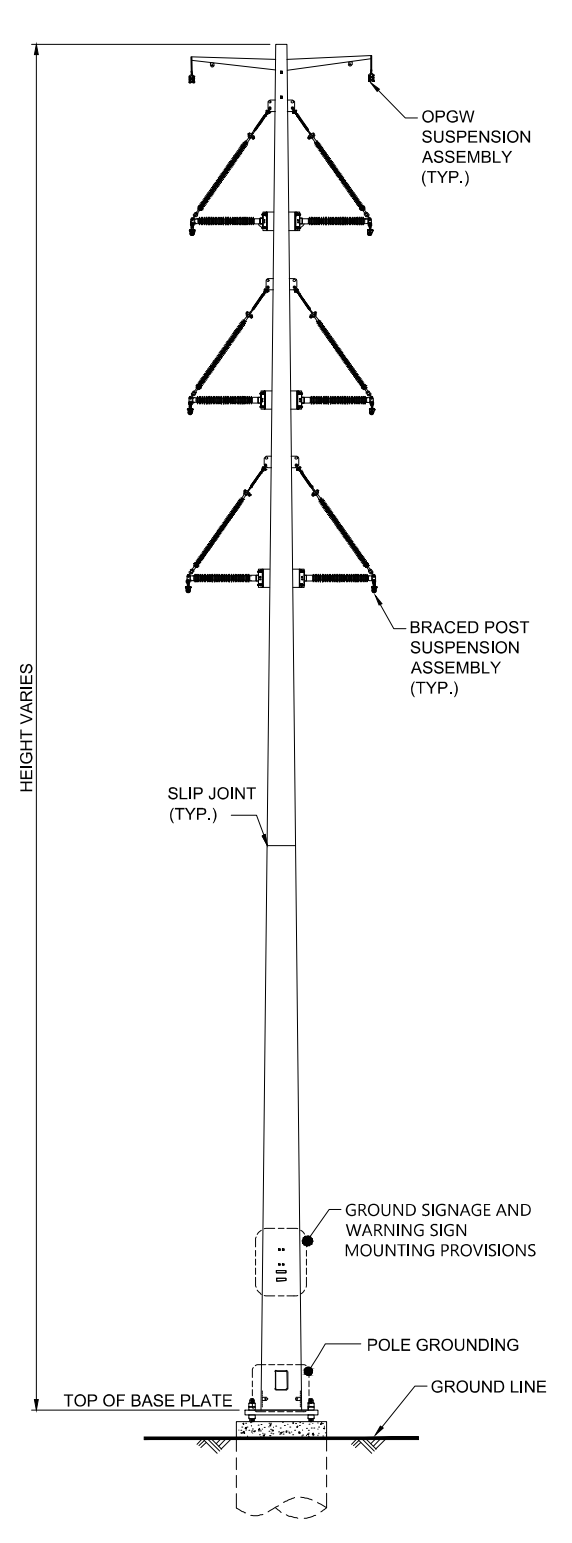
REV.	DATE	BY	DESCRIPTION	APP.	DATE	DR.	SCALE	FILE:	REV.
0-0A	2023/05/12	WESTWOOD	SEGMENT 2 D&M PLAN FOR CSC REVIEW			SFB	AS SHOWN		0-0A
						JRD			
						MSP			



SINGLE CIRCUIT DEADEND STRUCTURE



DOUBLE CIRCUIT DEADEND STRUCTURE



DOUBLE CIRCUIT BRACED POST SUSPENSION STRUCTURE

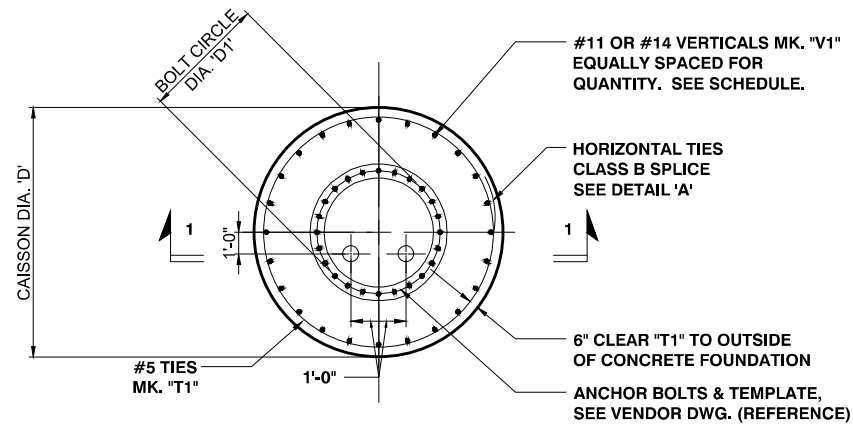
ANSI D. CADD Drawing. DO NOT REVISE MANUALLY.

Westwood Surveying & Engineering
 Phone (952) 937-5150 1684 South Broad Street, Suite #300
 Fax (952) 937-5822 Lansdale, PA 19446
 Tel Free (888) 937-5150 ww-pec.com
 Westwood Surveying and Engineering, P.C.

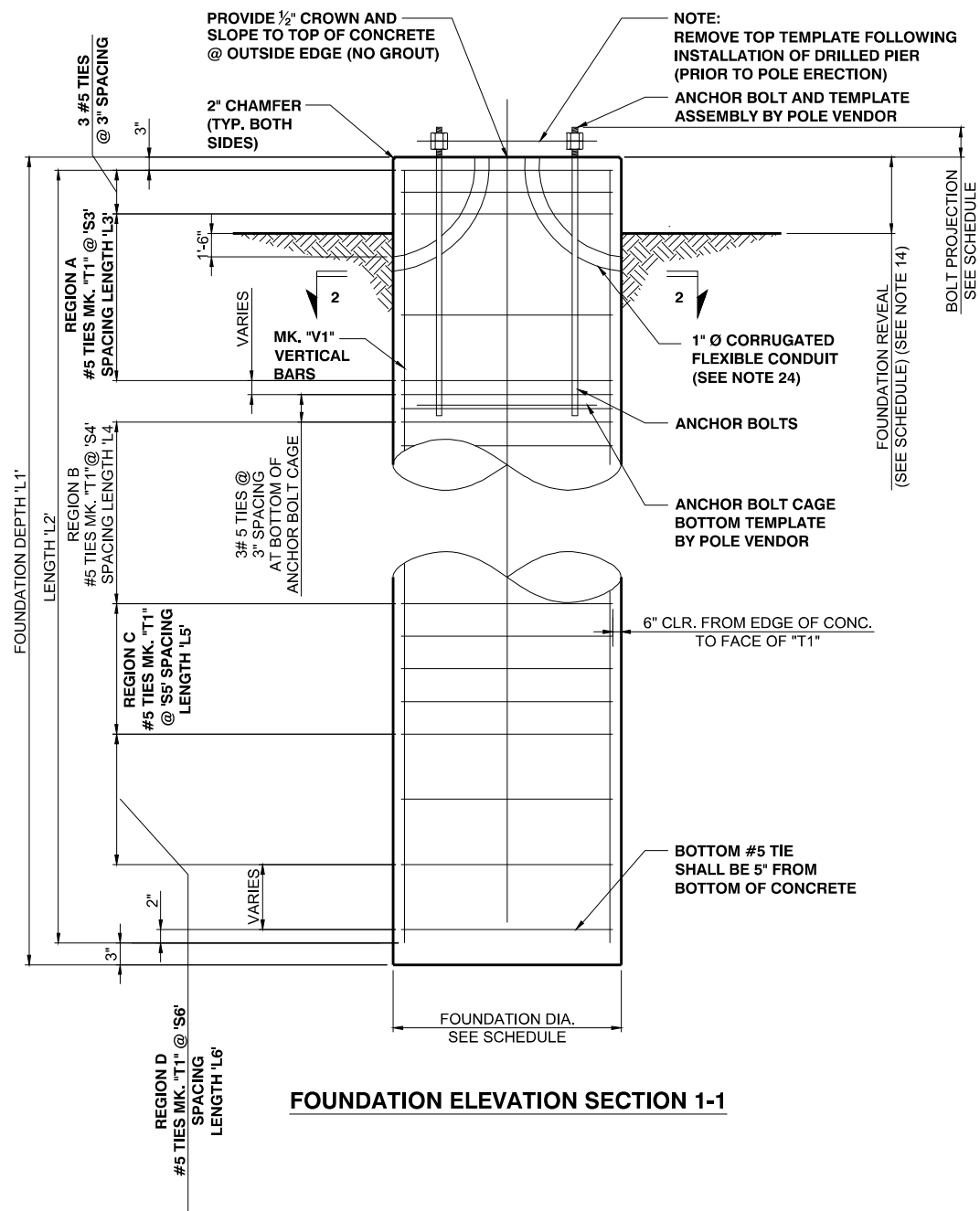


UI 115-kV RR PROJECT MILVON TO WEST RIVER
 DEVELOPMENT & MANAGEMENT PLAN
 TYPICAL STRUCTURE CONFIGURATIONS

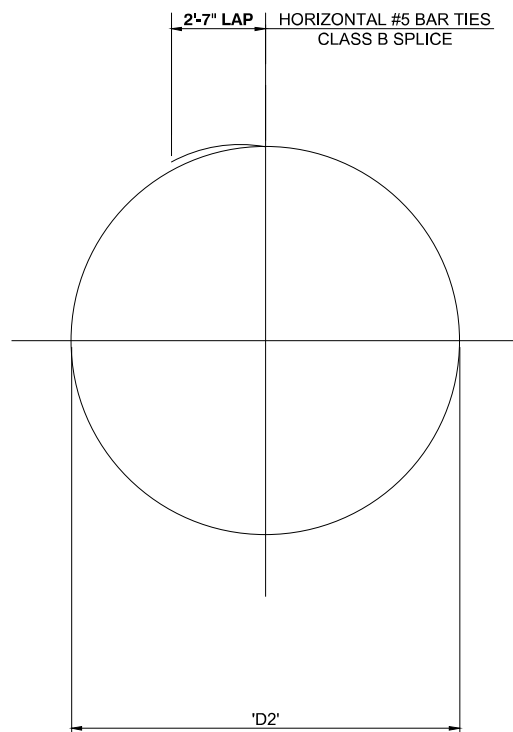
DR.	SFB	SCALE	AS SHOWN	FILE:	
CK.	JRD	NO.			
APP.	MSP				
REV.	DATE	BY	DESCRIPTION	APP.	DATE:
0-0A	2023/05/12	WESTWOOD	SEGMENT 2 D&M PLAN FOR CSC REVIEW		
STR 1 OF 2					REV. 0-0A



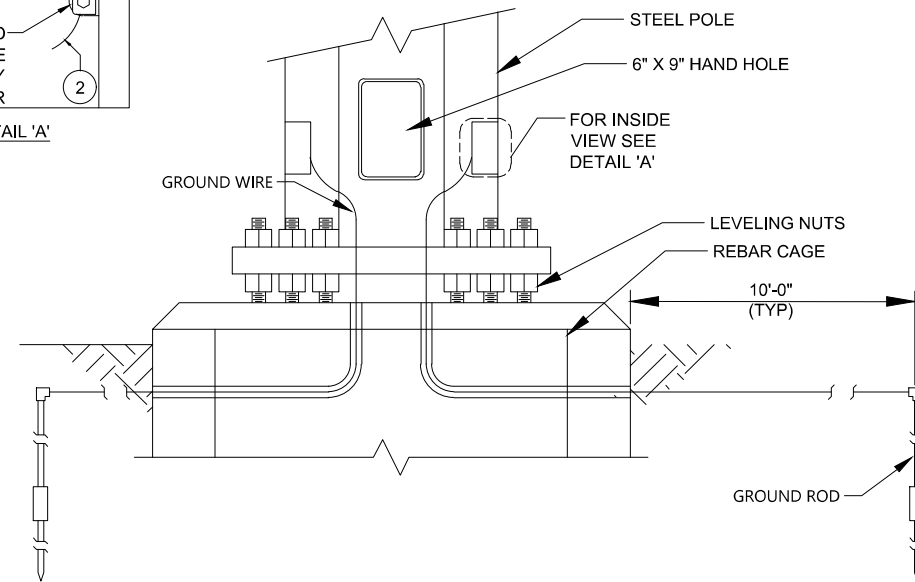
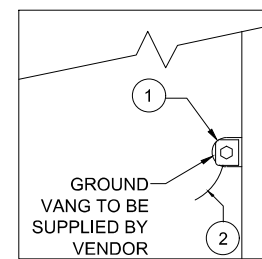
PLAN / SECTION VIEW 2-2



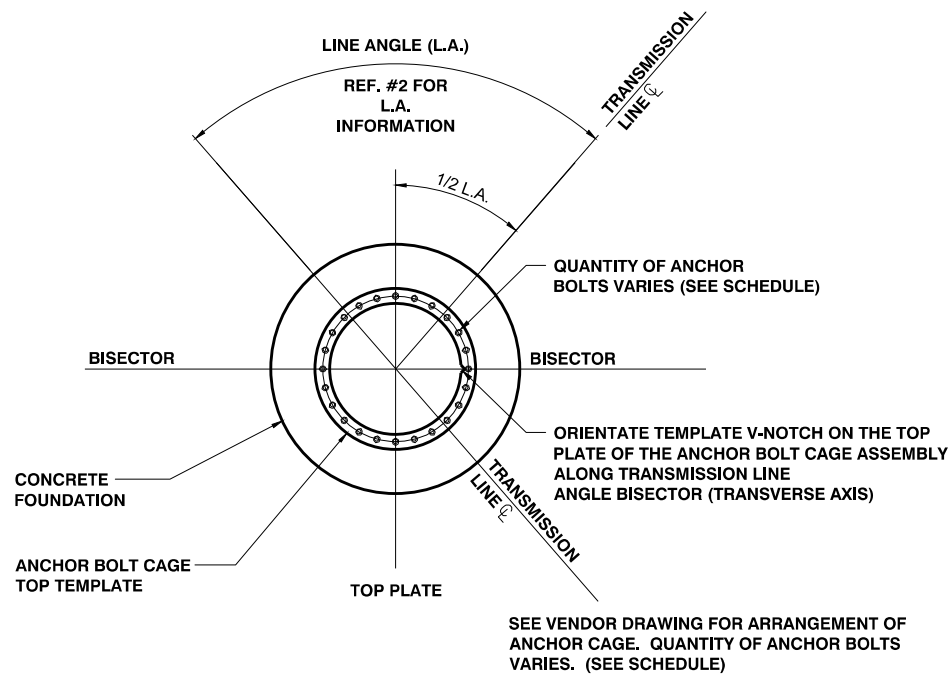
FOUNDATION ELEVATION SECTION 1-1



DETAIL 'A' HORIZONTAL TIES MK. 'T1' DIMENSIONS



DRILLED CONCRETE PIER TYPICAL FOUNDATION



ANCHOR BOLT ASSEMBLY ORIENTATION (SEE REFERENCE DRAWINGS FOR ORIENTATION & INFORMATION)

Westwood Surveying & Engineering

Phone (952) 937-5150 1684 South Broad Street, Suite #300
 Fax (952) 937-5822 Lansdale, PA 19446
 Tel/Fax (888) 937-5150 ww-pc.com
 Westwood Surveying and Engineering, P.C.

						UI 115-kV RR PROJECT MILVON TO WEST RIVER DEVELOPMENT & MANAGEMENT PLAN TYPICAL FOUNDATION & GROUNDING DETAILS	
DR.	SFB	SCALE	AS SHOWN	FILE:			
CK.	JRD	NO.					
APP.	MSP	STR 2 OF 2					
REV.	DATE	BY	DESCRIPTION	APP.	DATE:	REV. 0-0A	
0-0A	2023/05/12	WESTWOOD	SEGMENT 2 D&M PLAN FOR CSC REVIEW				