

PLOTTED: 10/9/2019 4:48:38 PM

A.D. MARBLE
FILE NAME: X:\Projects\1585\CADD\Plan\PCSW\MM Cover Sheet.dgn

RADNOR TOWNSHIP TRAIL DRAWINGS

FOR

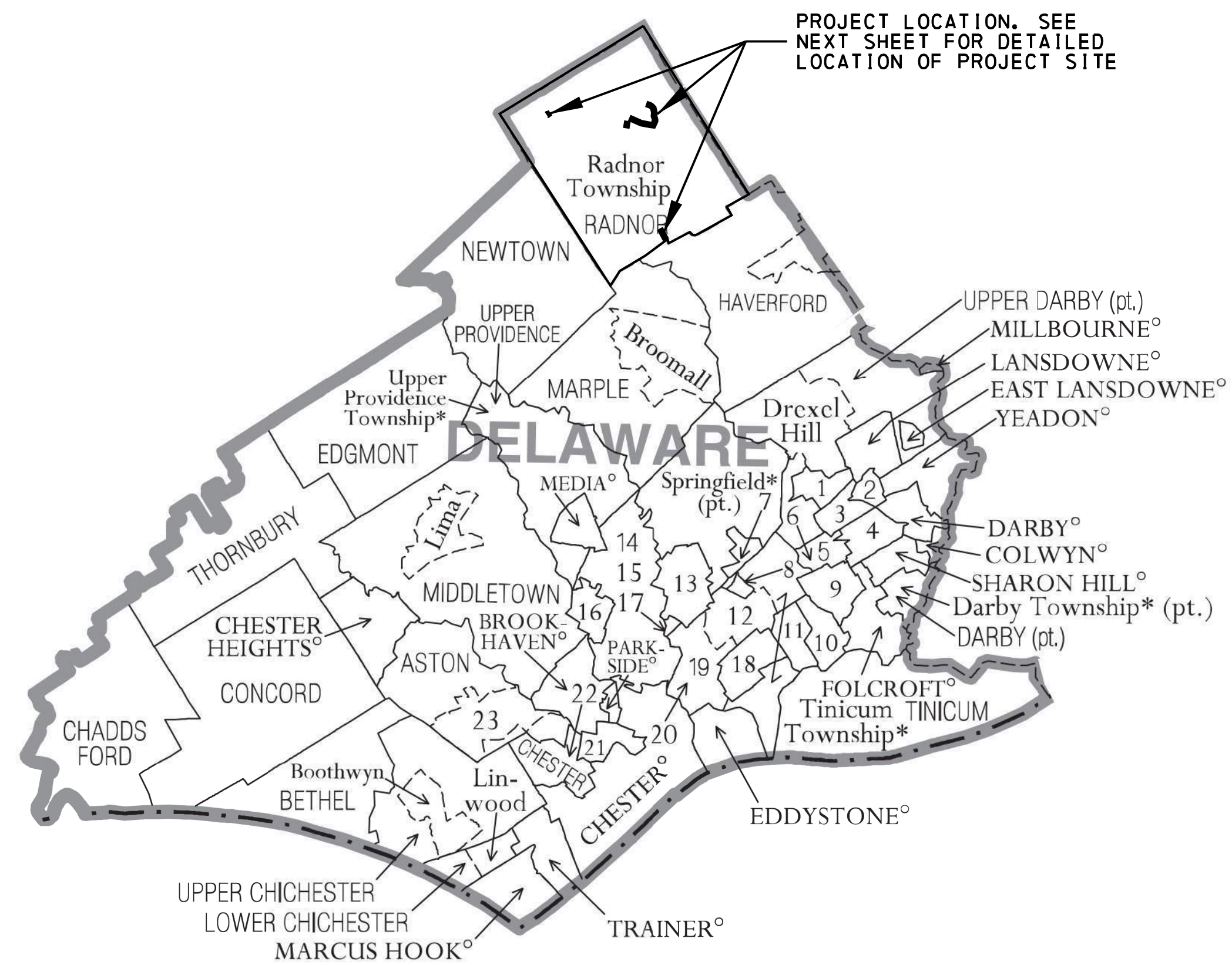
NPDES PERMIT AND RADNOR TOWNSHIP STORMWATER MANAGEMENT PERMIT POST CONSTRUCTION STORMWATER MANAGEMENT PLAN

FOR

RADNOR TOWNSHIP, DELAWARE COUNTY PA

INDEX OF SHEETS

SHEET NO.	SHEET NAME
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2	SHEET INDEX LOCATION MAP
3-15	EXISTING CONDITIONS PLANS
16-40	STORMWATER MANAGEMENT PLANS
41-53	TREE REMOVAL AND PLANTING PLAN

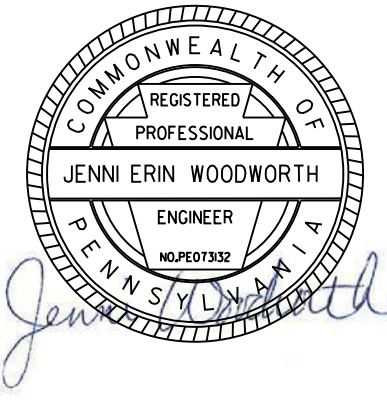


DELAWARE COUNTY TOWNSHIP MAP

PLAN PREPARATION
DESIGNER: A.D. MARBLE

A.D. MARBLE
environmental·cultural·engineering

2200 RENAISSANCE BLVD. TEL: (484) 533-2500
SUITE 260 FAX: (484) 533-2599
KING OF PRUSSIA, PA 19406 WWW.ADMARBLE.COM

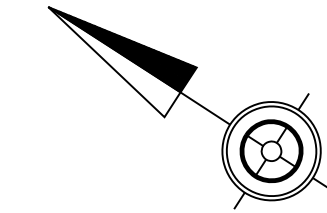
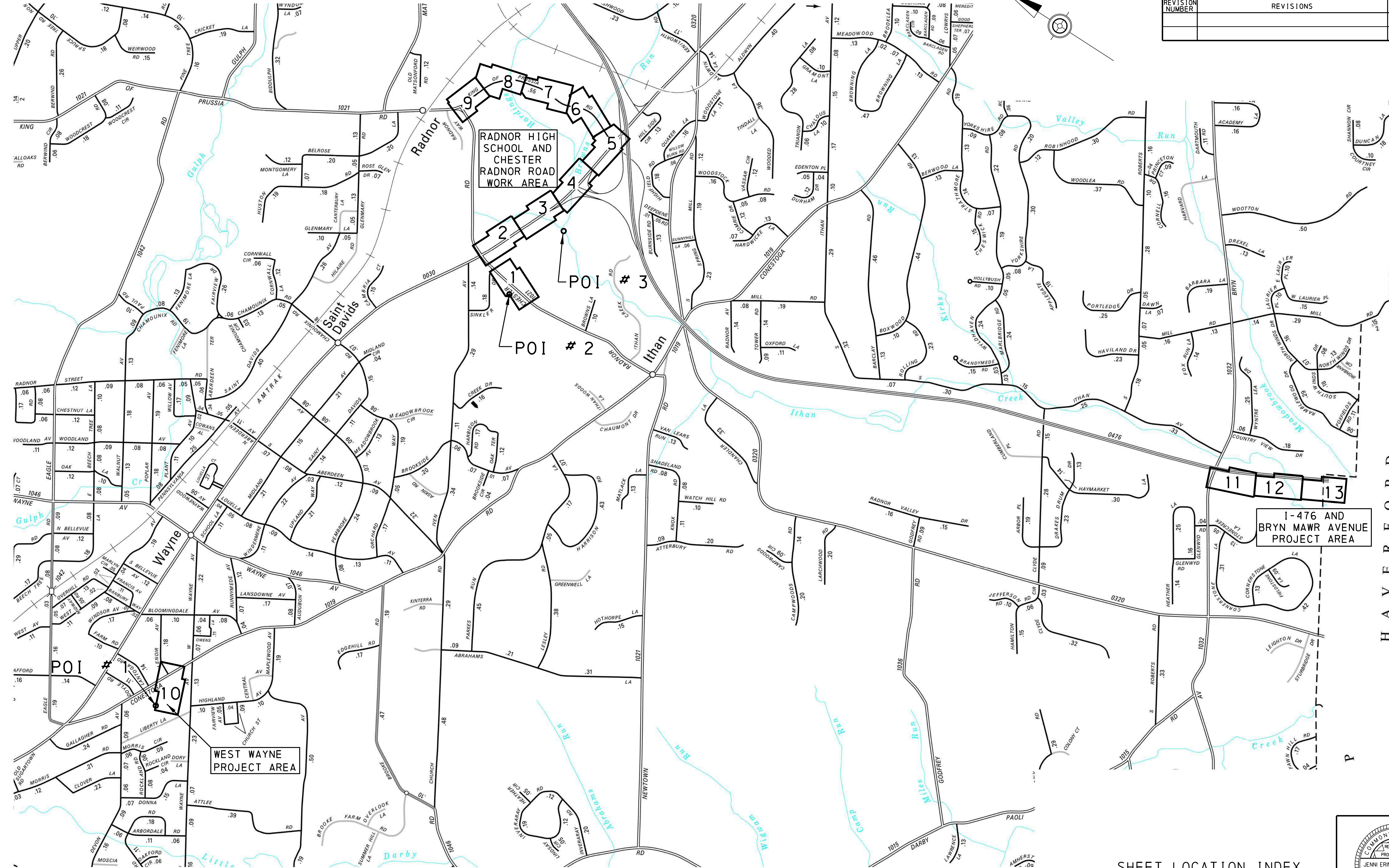


11-12-2019

OWNER/APPLICANT:

RADNOR TOWNSHIP
301 IVEN AVENUE
WAYNE, PA 19087
CONTACT: STEPHEN NORCINI, PE
TOWNSHIP ENGINEER
PH: 610-688-5600

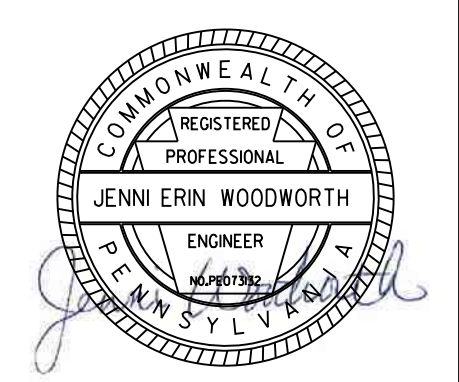
DISTRICT	COUNTY	ROUTE	SECTION	SHEET
6-0	DELAWARE	0030	RRT	2 OF 53
RADNOR TOWNSHIP				
REVISION NUMBER	REVISIONS	DATE	BY	



HAVERFORD

LEGEND
X ESC SHEET LOCATION

SHEET LOCATION INDEX
AND POI LOCATIONS



A. D. MARBLE
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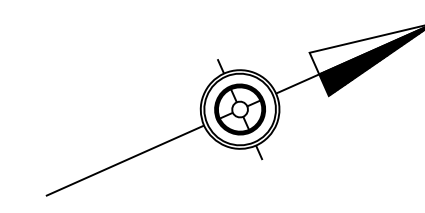
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11-12-2019

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
6-0	DELAWARE	0030	RRT	3 OF 53
RADNOR TOWNSHIP				
REVISION NUMBER	REVISIONS	DATE	BY	

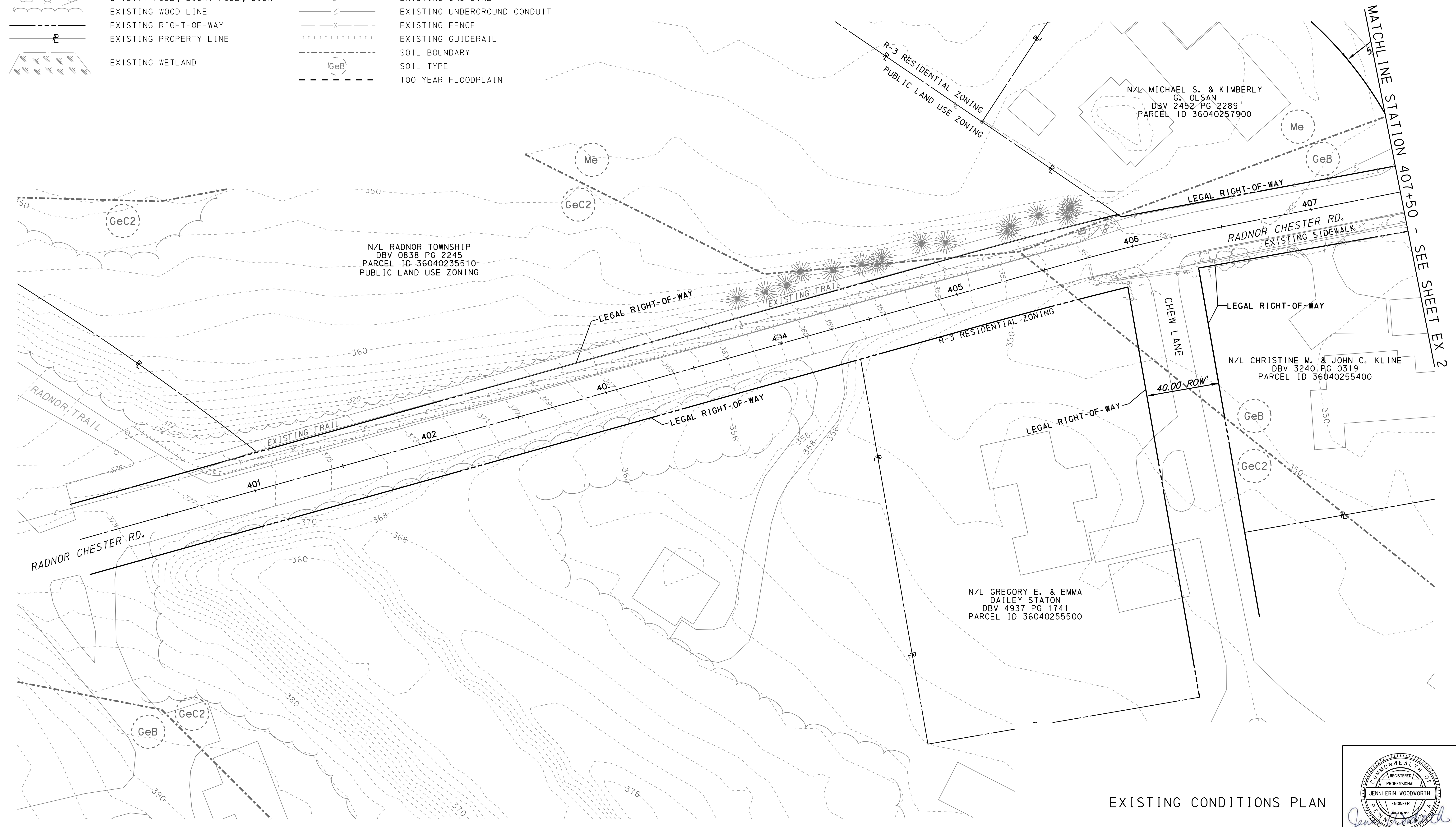
LEGEND

- | | | | |
|-----------------------|--------------------------------|---------------|--------------------------------|
| --- 375 --- | EXISTING CONTOUR MAJOR | --- S --- | EXISTING SANITARY SEWER |
| --- 374 --- | EXISTING CONTOUR MINOR | --- T --- | EXISTING UNDERGROUND TELEPHONE |
| --- (dotted) --- | EXISTING STREAM BOUNDARY | --- E --- | EXISTING ELECTRIC LINE |
| (Tree symbol) | EXISTING TREE | --- W --- | EXISTING WATER LINE |
| (Sun symbol) | UTILITY POLE, LIGHT POLE, SIGN | --- G --- | EXISTING GAS LINE |
| (Wavy line symbol) | EXISTING WOOD LINE | --- C --- | EXISTING UNDERGROUND CONDUIT |
| (Dashed line symbol) | EXISTING RIGHT-OF-WAY | --- X --- | EXISTING FENCE |
| (Solid line symbol) | EXISTING PROPERTY LINE | --- | EXISTING GUIDERAIL |
| (Hatched area symbol) | EXISTING WETLAND | --- | SOIL BOUNDARY |
| | | (--- GeB ---) | SOIL TYPE |
| | | (--- ---) | 100 YEAR FLOODPLAIN |



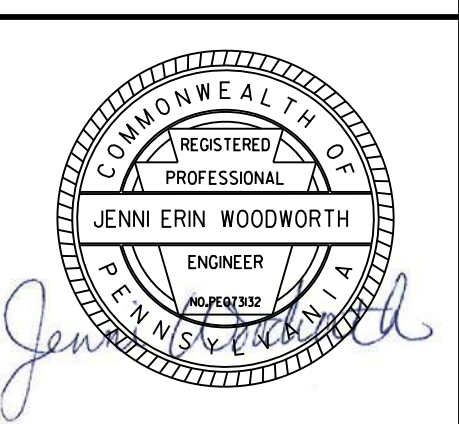
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A. D. MARBLE
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MATCHLINE STATION 407+50 - SEE SHEET EX 2

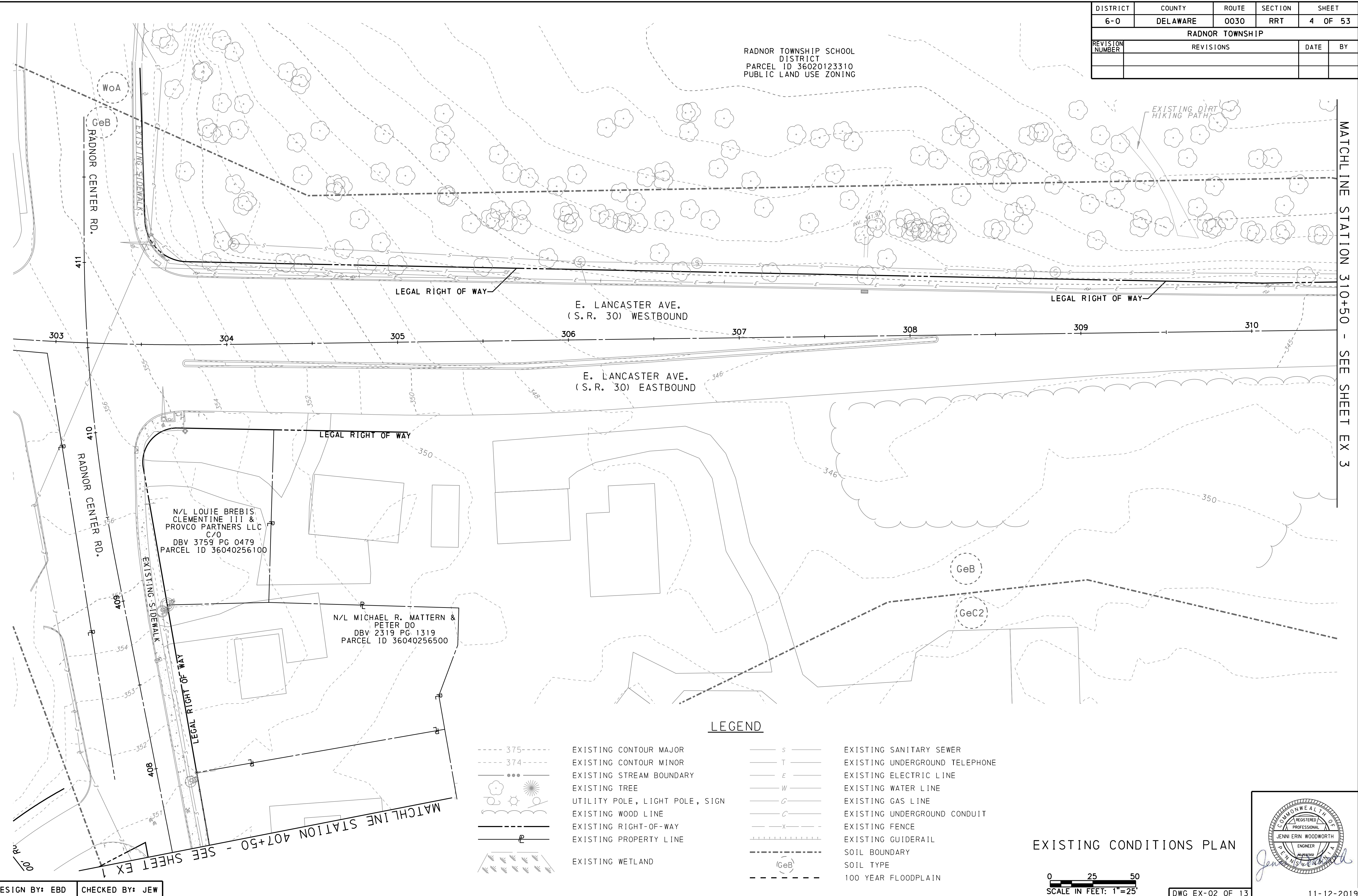
EXISTING CONDITIONS PLAN



DESIGN BY: EBD CHECKED BY: JEW

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
6-0	DELAWARE	0030	RRT	4 OF 53
RADNOR TOWNSHIP				
REVISION NUMBER	REVISIONS	DATE	BY	

RADNOR TOWNSHIP SCHOOL DISTRICT
 PARCEL ID 36020123310
 PUBLIC LAND USE ZONING



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MATCHLINE STATION 310+50 - SEE SHEET EX 3

MATCHLINE STATION 407+50 - SEE SHEET EX 1

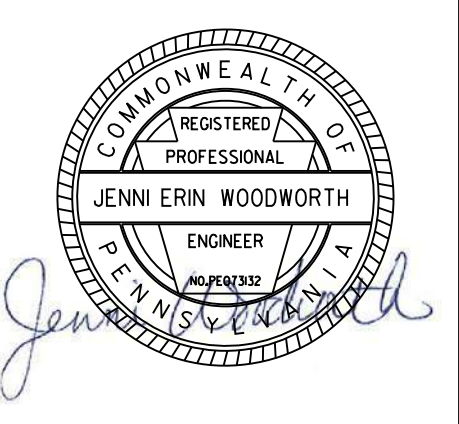
N/L LOUIE BREBIS
 CLEMENTINE III &
 PROVCO PARTNERS LLC
 C/O
 DBV 3759 PG 0479
 PARCEL ID 36040256100

N/L MICHAEL R. MATTERN &
 PETER DO
 DBV 2319 PG 1319
 PARCEL ID 36040256500

LEGEND

- 375 --- EXISTING CONTOUR MAJOR
- 374 --- EXISTING CONTOUR MINOR
- - - - - EXISTING STREAM BOUNDARY
- EXISTING TREE
- UTILITY POLE, LIGHT POLE, SIGN
- EXISTING WOOD LINE
- - - - - EXISTING RIGHT-OF-WAY
- EXISTING PROPERTY LINE
- EXISTING WETLAND
- S --- EXISTING SANITARY SEWER
- T --- EXISTING UNDERGROUND TELEPHONE
- E --- EXISTING ELECTRIC LINE
- W --- EXISTING WATER LINE
- G --- EXISTING GAS LINE
- C --- EXISTING UNDERGROUND CONDUIT
- - - - - EXISTING FENCE
- ===== EXISTING GUIDERAIL
- (Soil boundary symbol) --- SOIL BOUNDARY
- (Soil type symbol) SOIL TYPE
- - - - - 100 YEAR FLOODPLAIN

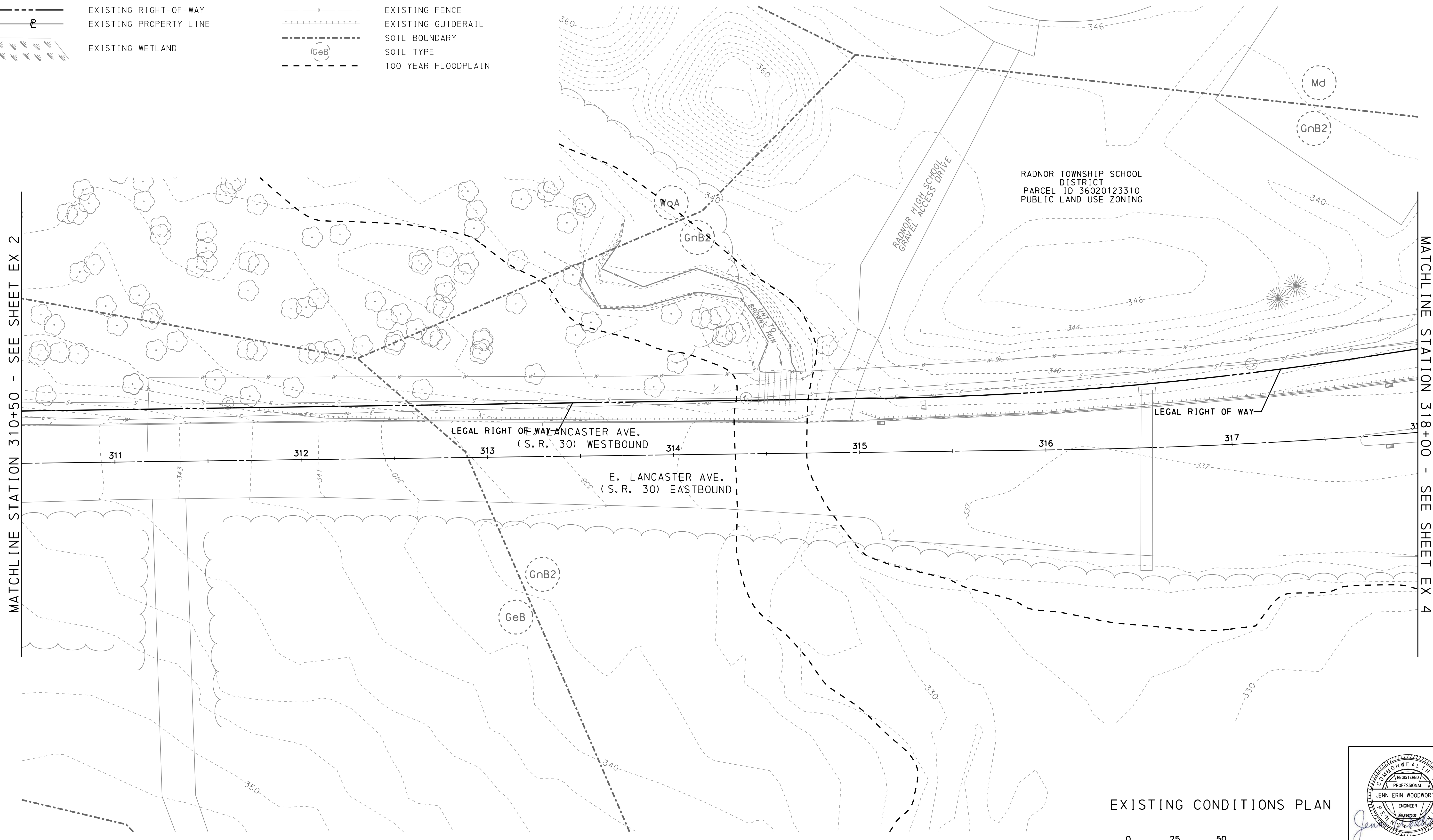
EXISTING CONDITIONS PLAN



DISTRICT	COUNTY	ROUTE	SECTION	SHEET
6-0	DELAWARE	0030	RRT	5 OF 53
RADNOR TOWNSHIP				
REVISION NUMBER	REVISIONS	DATE	BY	

LEGEND

- | | | | |
|---------------|--------------------------------|-----------|--------------------------------|
| --- 375 --- | EXISTING CONTOUR MAJOR | — S — | EXISTING SANITARY SEWER |
| --- 374 --- | EXISTING CONTOUR MINOR | — T — | EXISTING UNDERGROUND TELEPHONE |
| --- ● ● ● --- | EXISTING STREAM BOUNDARY | — E — | EXISTING ELECTRIC LINE |
| | EXISTING TREE | — W — | EXISTING WATER LINE |
| | UTILITY POLE, LIGHT POLE, SIGN | — G — | EXISTING GAS LINE |
| | EXISTING WOOD LINE | — C — | EXISTING UNDERGROUND CONDUIT |
| — — — — — | EXISTING RIGHT-OF-WAY | — X — | EXISTING FENCE |
| — — — — — | EXISTING PROPERTY LINE | — — — — — | EXISTING GUIDERAIL |
| | EXISTING WETLAND | — — — — — | SOIL BOUNDARY |
| | | (GeB) | SOIL TYPE |
| | | --- | 100 YEAR FLOODPLAIN |

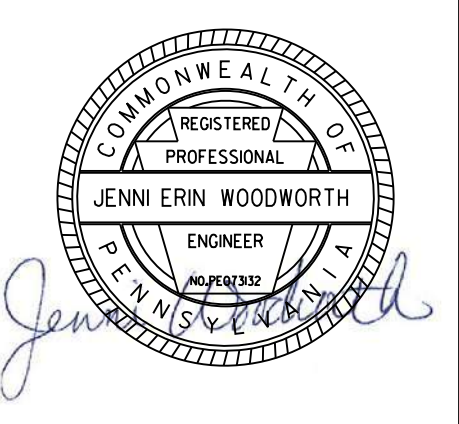


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EXISTING CONDITIONS PLAN



DWG EX-03 OF 13

11-12-2019

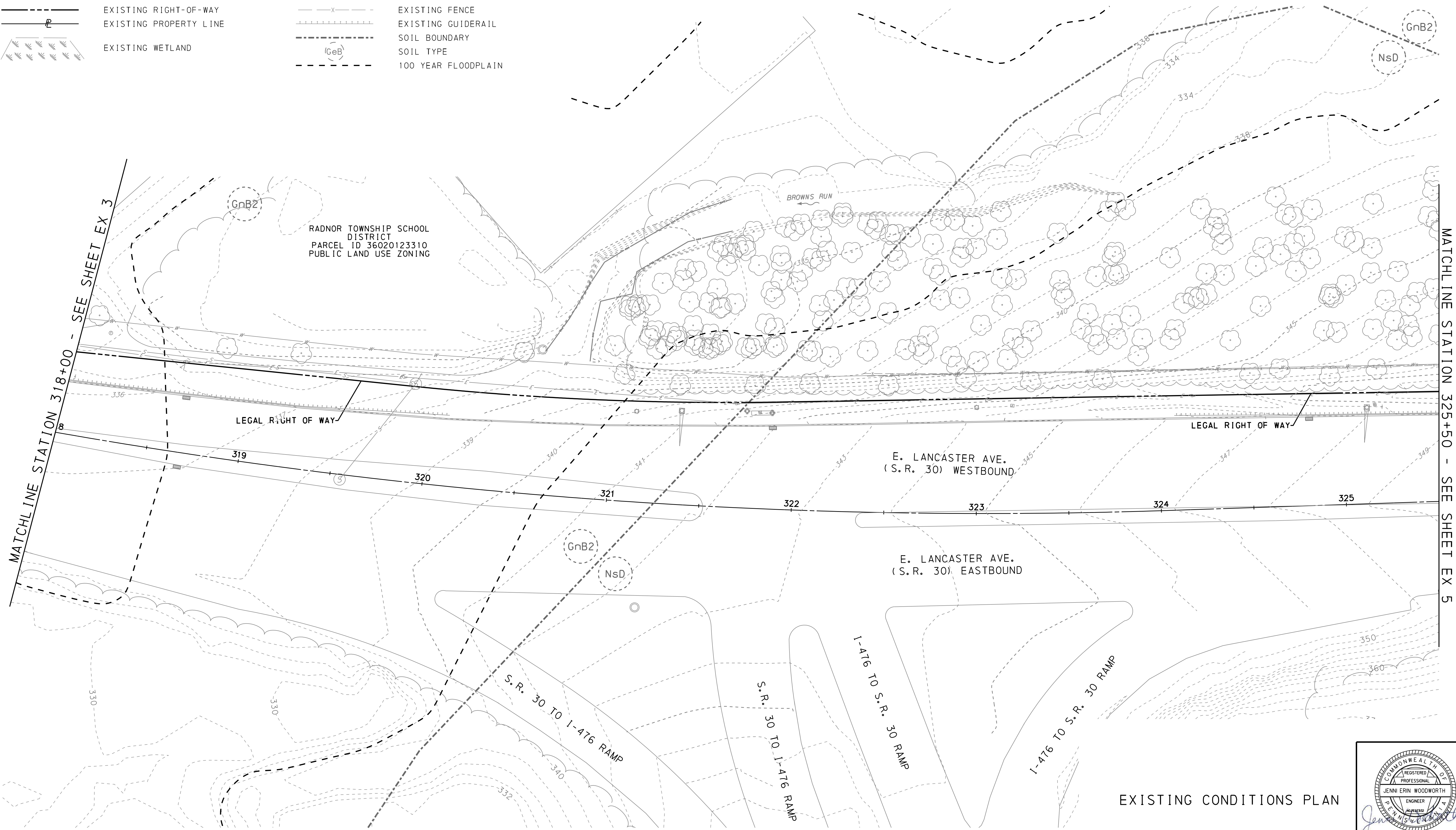
DISTRICT	COUNTY	ROUTE	SECTION	SHEET
6-0	DELAWARE	0030	RRT	6 OF 53
RADNOR TOWNSHIP				
REVISION NUMBER	REVISIONS	DATE	BY	

LEGEND

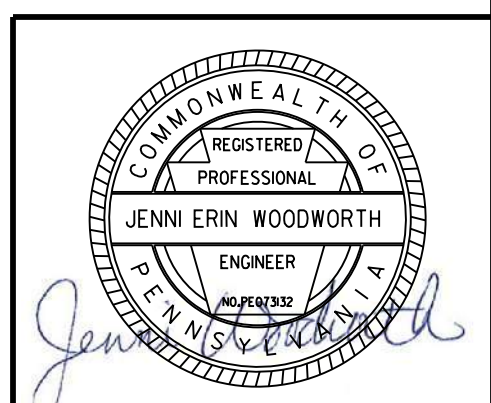
- | | | | |
|--|--------------------------------|--|--------------------------------|
| | EXISTING CONTOUR MAJOR | | EXISTING SANITARY SEWER |
| | EXISTING CONTOUR MINOR | | EXISTING UNDERGROUND TELEPHONE |
| | EXISTING STREAM BOUNDARY | | EXISTING ELECTRIC LINE |
| | EXISTING TREE | | EXISTING WATER LINE |
| | UTILITY POLE, LIGHT POLE, SIGN | | EXISTING GAS LINE |
| | EXISTING WOOD LINE | | EXISTING UNDERGROUND CONDUIT |
| | EXISTING RIGHT-OF-WAY | | EXISTING FENCE |
| | EXISTING PROPERTY LINE | | EXISTING GUIDERAIL |
| | EXISTING WETLAND | | SOIL BOUNDARY |
| | | | SOIL TYPE |
| | | | 100 YEAR FLOODPLAIN |

PLOTTED: 10/9/2019 4:49:53 PM

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EXISTING CONDITIONS PLAN



DESIGN BY: EBD CHECKED BY: JEW

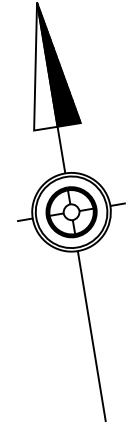
DWG EX-04 OF 13

11-12-2019

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LEGEND

- | | | | |
|------------------------|--------------------------------|-------|--------------------------------|
| --- 375 --- | EXISTING CONTOUR MAJOR | — S — | EXISTING SANITARY SEWER |
| --- 374 --- | EXISTING CONTOUR MINOR | — T — | EXISTING UNDERGROUND TELEPHONE |
| --- ●●● --- | EXISTING STREAM BOUNDARY | — E — | EXISTING ELECTRIC LINE |
| (Tree symbols) | EXISTING TREE | — W — | EXISTING WATER LINE |
| (Pole symbols) | UTILITY POLE, LIGHT POLE, SIGN | — G — | EXISTING GAS LINE |
| (Wavy line) | EXISTING WOOD LINE | — C — | EXISTING UNDERGROUND CONDUIT |
| (Dashed line) | EXISTING RIGHT-OF-WAY | — X — | EXISTING FENCE |
| (Dashed line with 'E') | EXISTING PROPERTY LINE | — G — | EXISTING GUIDERAIL |
| (Hatched area) | EXISTING WETLAND | --- | SOIL BOUNDARY |
| | | (---) | SOIL TYPE |
| | | (---) | 100 YEAR FLOODPLAIN |



DISTRICT	COUNTY	ROUTE	SECTION	SHEET
6-0	DELAWARE	0030	RRT	7 OF 53
RADNOR TOWNSHIP				
REVISION NUMBER	REVISIONS	DATE	BY	

MATCHLINE STATION 325+50 - SEE SHEET EX 4

MATCHLINE STATION 504+00 - SEE SHEET EX 6

RADNOR TOWNSHIP SCHOOL DISTRICT
 PARCEL ID 36020123310
 PUBLIC LAND USE ZONING

RADNOR HIGH SCHOOL ATHLETIC FIELD

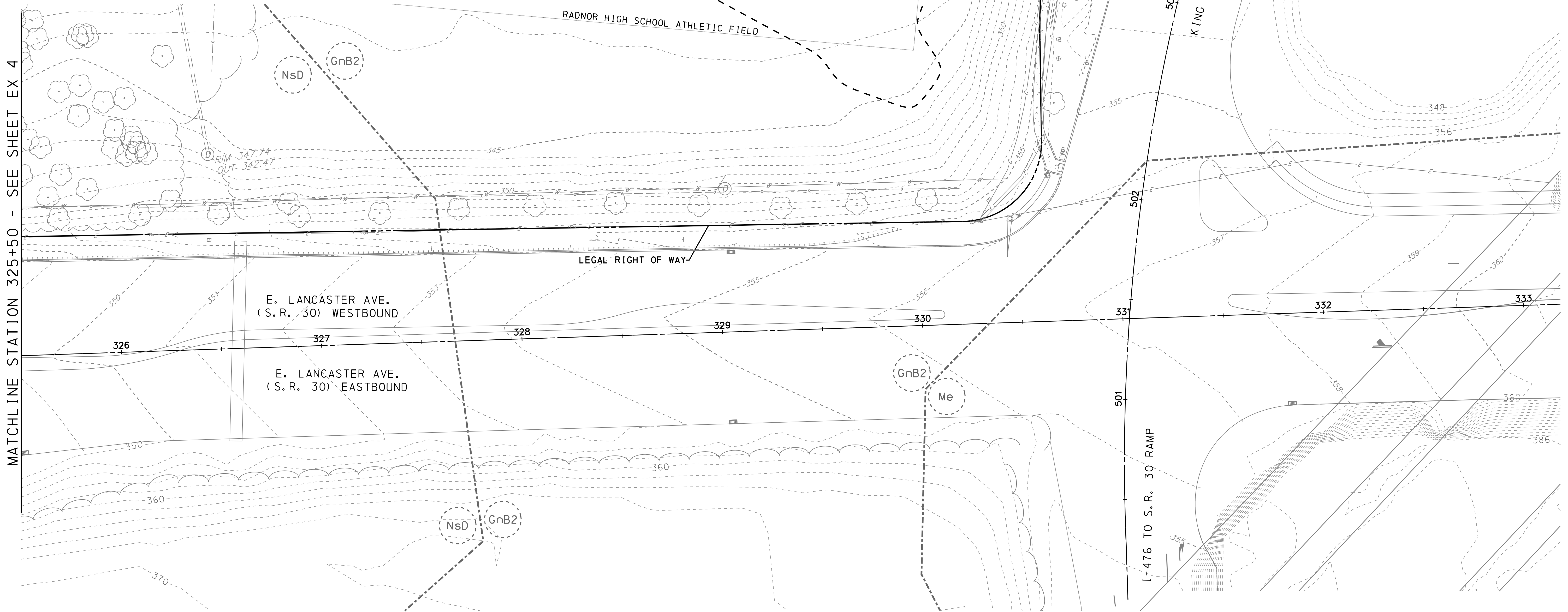
KING OF PRUSSIA RD.

I-476 TO S.R. 30 RAMP

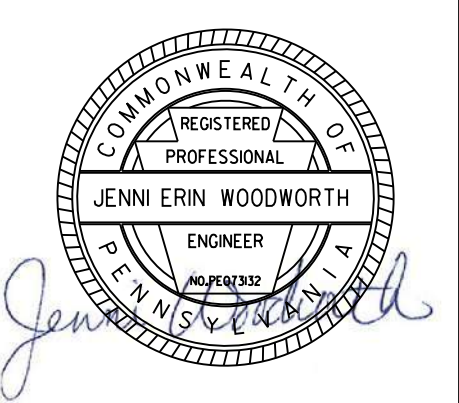
E. LANCASTER AVE.
 (S.R. 30) WESTBOUND

E. LANCASTER AVE.
 (S.R. 30) EASTBOUND

LEGAL RIGHT OF WAY



EXISTING CONDITIONS PLAN



DESIGN BY: EBD CHECKED BY: JEW

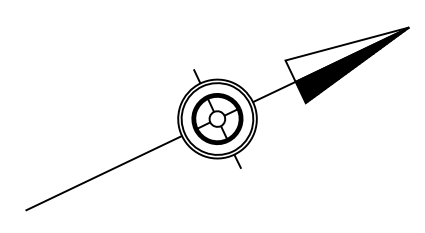
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11-12-2019

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
6-0	DELAWARE	0030	RRT	8 OF 53
RADNOR TOWNSHIP				
REVISION NUMBER	REVISIONS	DATE	BY	

LEGEND

- | | | | |
|------------------------|--------------------------------|---------------|--------------------------------|
| --- 375 --- | EXISTING CONTOUR MAJOR | — S — | EXISTING SANITARY SEWER |
| --- 374 --- | EXISTING CONTOUR MINOR | — T — | EXISTING UNDERGROUND TELEPHONE |
| --- ●●● --- | EXISTING STREAM BOUNDARY | — E — | EXISTING ELECTRIC LINE |
| (Tree symbols) | EXISTING TREE | — W — | EXISTING WATER LINE |
| (Pole symbols) | UTILITY POLE, LIGHT POLE, SIGN | — G — | EXISTING GAS LINE |
| (Wavy line) | EXISTING WOOD LINE | — C — | EXISTING UNDERGROUND CONDUIT |
| (Dashed line) | EXISTING RIGHT-OF-WAY | — X — | EXISTING FENCE |
| (Dashed line with 'P') | EXISTING PROPERTY LINE | — — — — — | EXISTING GUIDERAIL |
| (Wetland symbol) | EXISTING WETLAND | --- (GeB) --- | SOIL BOUNDARY |
| | | --- | SOIL TYPE |
| | | --- | 100 YEAR FLOODPLAIN |



GnB2

Me

MATCHLINE STATION 511+50 - SEE SHEET EX 7

RADNOR TOWNSHIP SCHOOL DISTRICT
 PARCEL ID 36020123310
 PUBLIC LAND USE ZONING

MATCHLINE STATION 504+00 - SEE SHEET EX 5

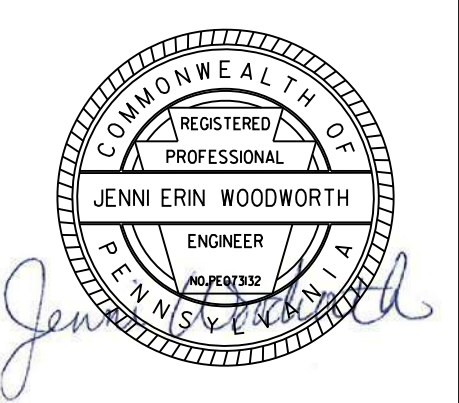
A. D. MARBLE
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EXISTING CONDITIONS PLAN

0 25 50
 SCALE IN FEET: 1"=25'

DWG EX-06 OF 13



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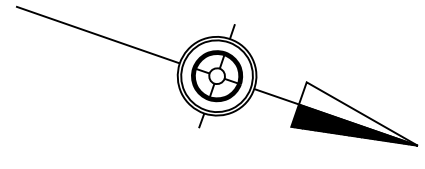
MATCHLINE STATION 511+50 - SEE SHEET EX 6

MATCHLINE STATION 519+50 - SEE SHEET EX 8

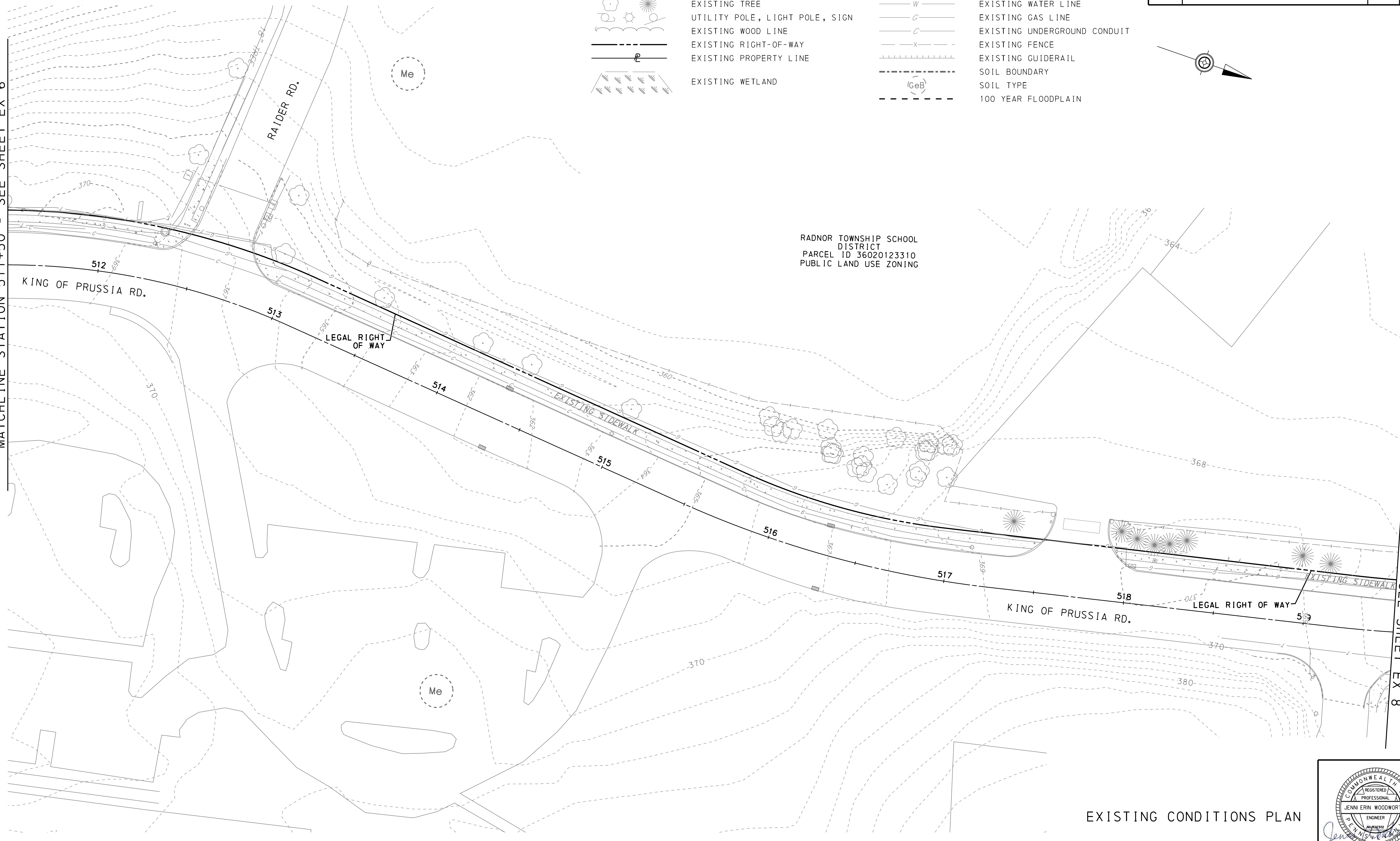
LEGEND

--- 375 ---	EXISTING CONTOUR MAJOR	— S —	EXISTING SANITARY SEWER
--- 374 ---	EXISTING CONTOUR MINOR	— T —	EXISTING UNDERGROUND TELEPHONE
--- ••• ---	EXISTING STREAM BOUNDARY	— E —	EXISTING ELECTRIC LINE
(Tree symbols)	EXISTING TREE	— W —	EXISTING WATER LINE
(Pole symbols)	UTILITY POLE, LIGHT POLE, SIGN	— G —	EXISTING GAS LINE
(Wavy line)	EXISTING WOOD LINE	— C —	EXISTING UNDERGROUND CONDUIT
(Dashed line)	EXISTING RIGHT-OF-WAY	— X —	EXISTING FENCE
(Dashed line with 'P')	EXISTING PROPERTY LINE	-----	EXISTING GUIDERAIL
(Wetland symbols)	EXISTING WETLAND	-----	SOIL BOUNDARY
		(GeB)	SOIL TYPE
		---	100 YEAR FLOODPLAIN

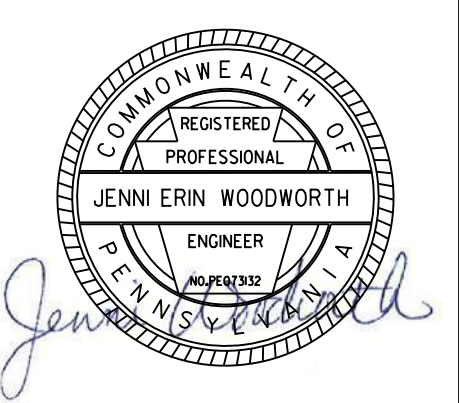
DISTRICT	COUNTY	ROUTE	SECTION	SHEET
6-0	DELAWARE	0030	RRT	9 OF 53
RADNOR TOWNSHIP				
REVISION NUMBER	REVISIONS			DATE BY



RADNOR TOWNSHIP SCHOOL DISTRICT
PARCEL ID 36020123310
PUBLIC LAND USE ZONING



EXISTING CONDITIONS PLAN



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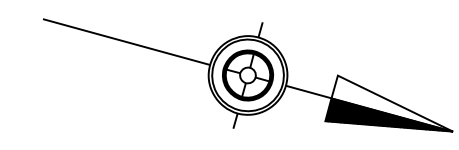
DWG EX-07 OF 13

11-12-2019

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
6-0	DELAWARE	0030	RRT	10 OF 53
RADNOR TOWNSHIP				
REVISION NUMBER	REVISIONS	DATE	BY	

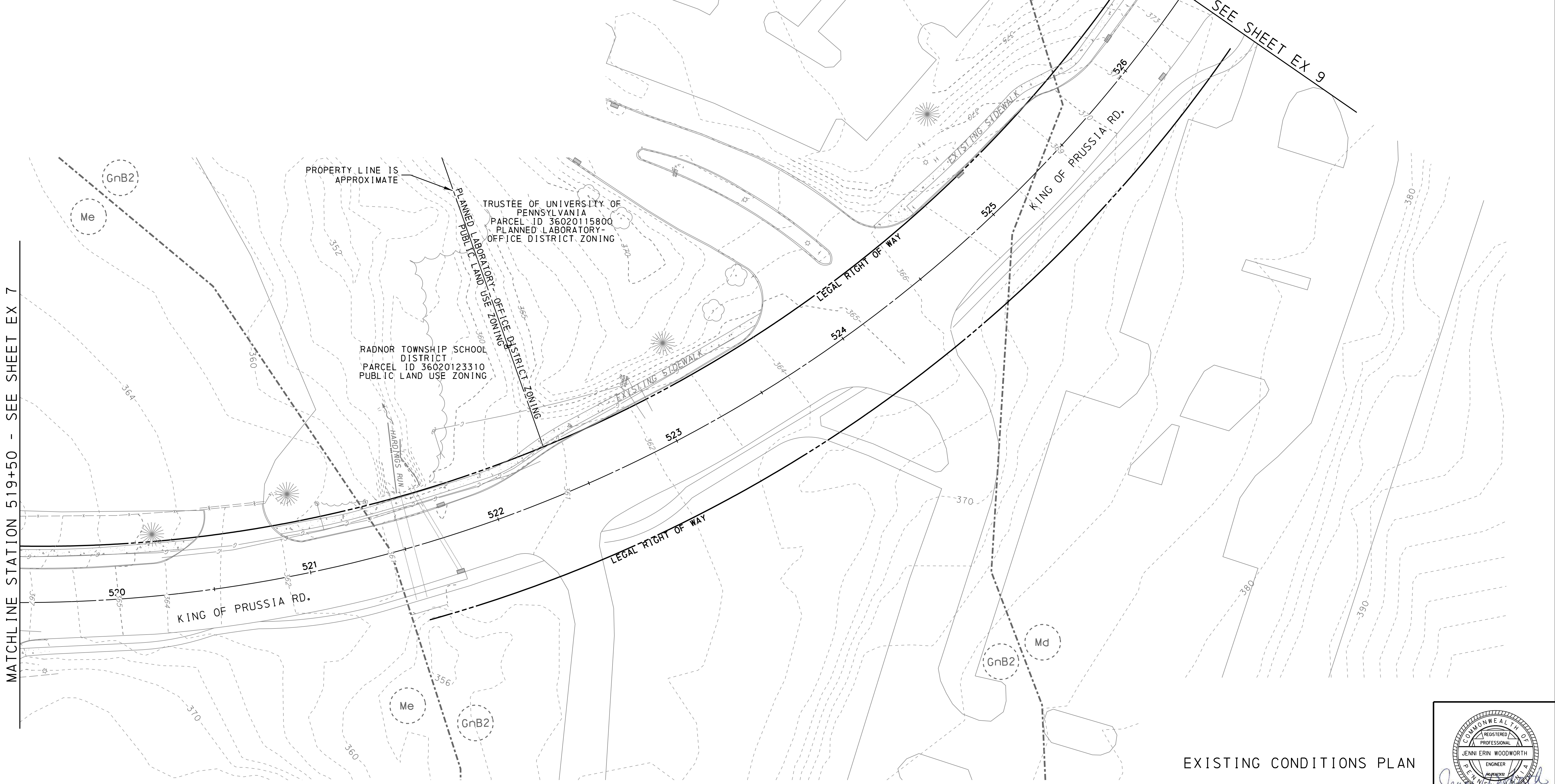
LEGEND

- | | | | |
|---------------|--------------------------------|-----------|--------------------------------|
| --- 375 --- | EXISTING CONTOUR MAJOR | — S — | EXISTING SANITARY SEWER |
| --- 374 --- | EXISTING CONTOUR MINOR | — T — | EXISTING UNDERGROUND TELEPHONE |
| --- ● ● ● --- | EXISTING STREAM BOUNDARY | — E — | EXISTING ELECTRIC LINE |
| ☀ ☀ ☀ | EXISTING TREE | — W — | EXISTING WATER LINE |
| ☀ ☀ ☀ | UTILITY POLE, LIGHT POLE, SIGN | — G — | EXISTING GAS LINE |
| ☀ ☀ ☀ | EXISTING WOOD LINE | — C — | EXISTING UNDERGROUND CONDUIT |
| — — — — — | EXISTING RIGHT-OF-WAY | — X — | EXISTING FENCE |
| — — — — — | EXISTING PROPERTY LINE | — — — — — | EXISTING GUIDERAIL |
| — — — — — | EXISTING WETLAND | — — — — — | SOIL BOUNDARY |
| | | (GeB) | SOIL TYPE |
| | | --- | 100 YEAR FLOODPLAIN |



MATCHLINE STATION 519+50 - SEE SHEET EX 7

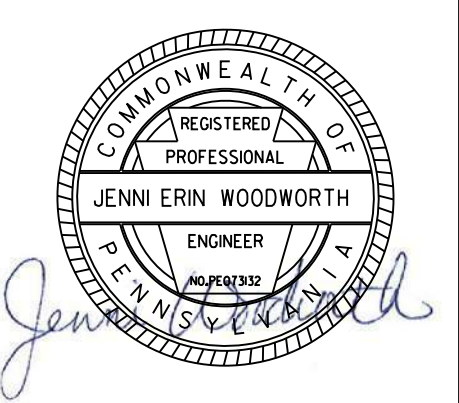
MATCHLINE STATION 526+50 - SEE SHEET EX 9



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DESIGN BY: EBD CHECKED BY: JEW

EXISTING CONDITIONS PLAN

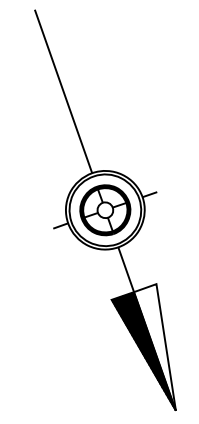


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1585\CADD\AP Lon\ESPC\Ext\1st\ing P\lon_09.dgn

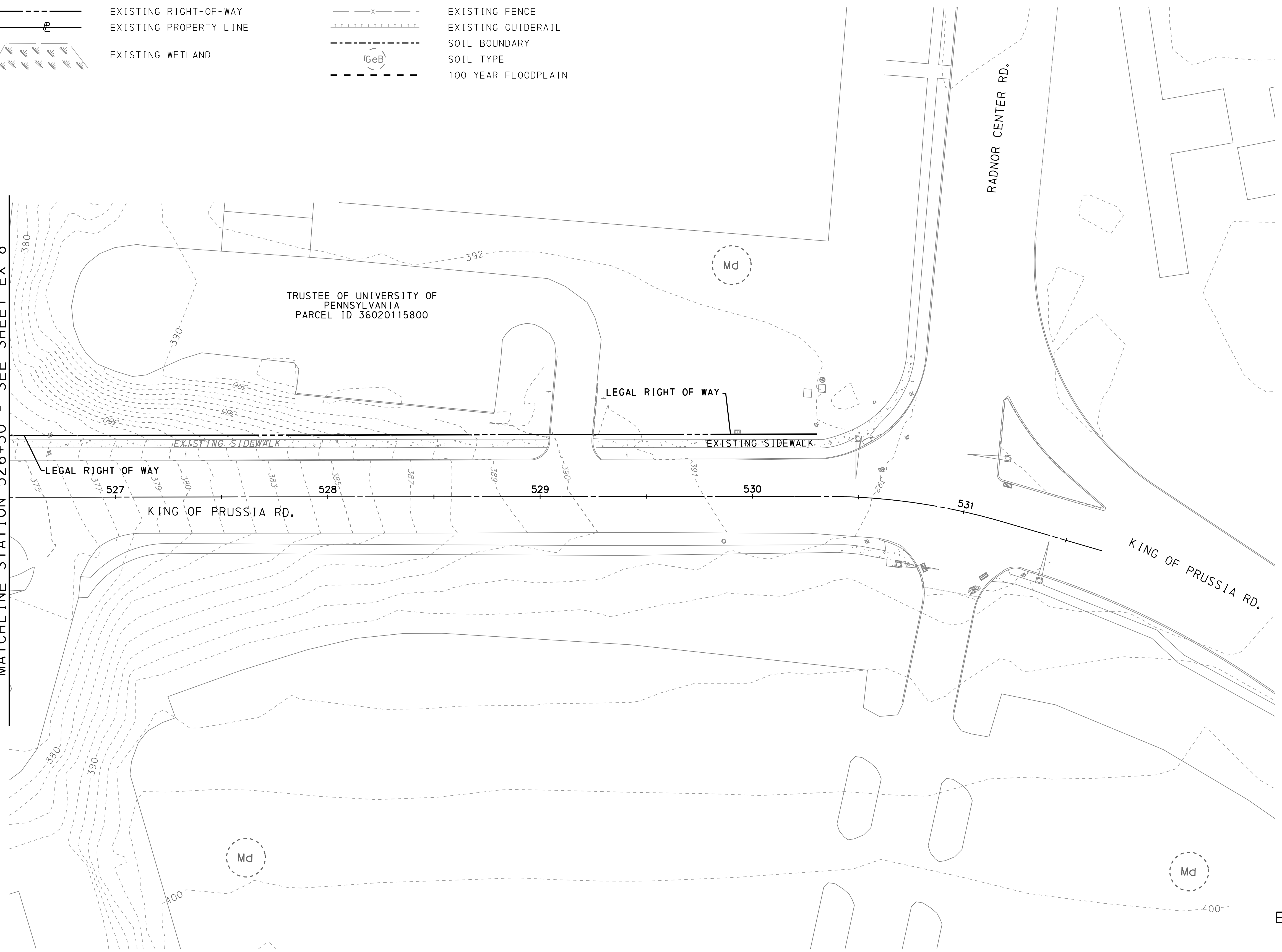
LEGEND

- 375 --- EXISTING CONTOUR MAJOR
- 374 --- EXISTING CONTOUR MINOR
- --- EXISTING STREAM BOUNDARY
- ☀ --- EXISTING TREE
- ☀ --- UTILITY POLE, LIGHT POLE, SIGN
- --- EXISTING WOOD LINE
- --- EXISTING RIGHT-OF-WAY
- --- EXISTING PROPERTY LINE
- --- EXISTING WETLAND
- S --- EXISTING SANITARY SEWER
- T --- EXISTING UNDERGROUND TELEPHONE
- E --- EXISTING ELECTRIC LINE
- W --- EXISTING WATER LINE
- G --- EXISTING GAS LINE
- C --- EXISTING UNDERGROUND CONDUIT
- X --- EXISTING FENCE
- --- EXISTING GUIDERAIL
- --- SOIL BOUNDARY
- (CeB) --- SOIL TYPE
- --- 100 YEAR FLOODPLAIN



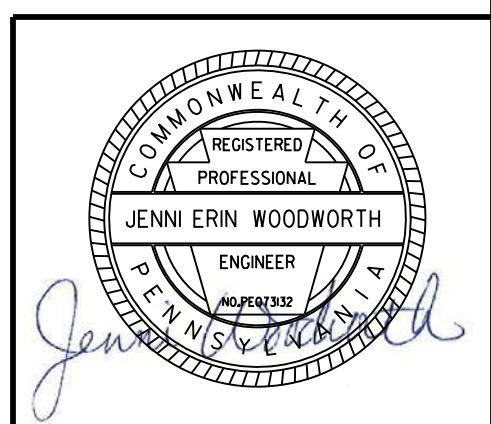
DISTRICT	COUNTY	ROUTE	SECTION	SHEET	
6-0	DELAWARE	0030	RRT	11 OF 53	
RADNOR TOWNSHIP					
REVISION NUMBER	REVISIONS			DATE	BY

MATCHLINE STATION 526+50 - SEE SHEET EX 8



DESIGN BY: EBD CHECKED BY: JEW

EXISTING CONDITIONS PLAN



DWG EX-09 OF 13

11-12-2019

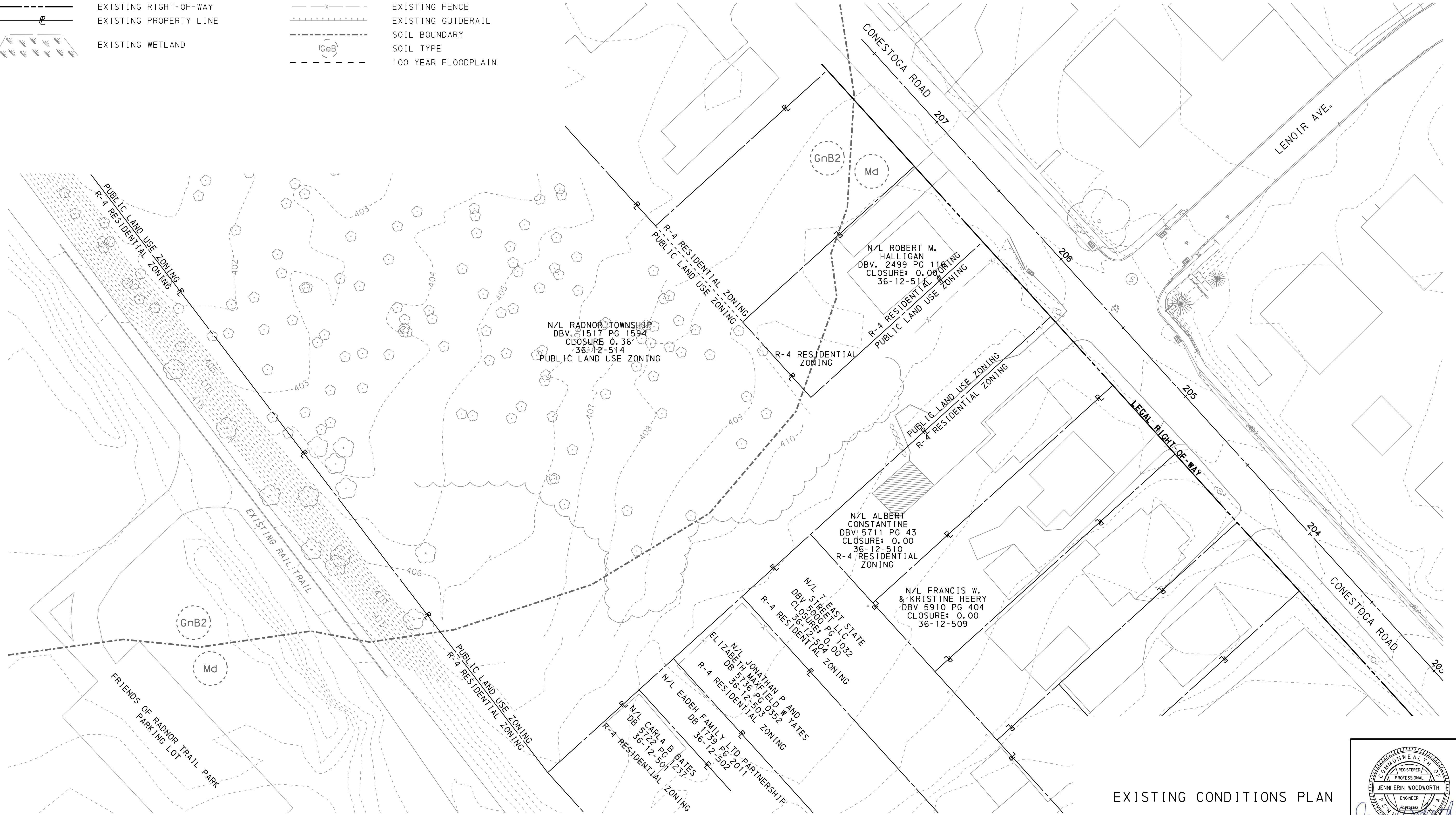
DISTRICT	COUNTY	ROUTE	SECTION	SHEET
6-0	DELAWARE	0030	RRT	12 OF 53
RADNOR TOWNSHIP				
REVISION NUMBER	REVISIONS	DATE	BY	

LEGEND

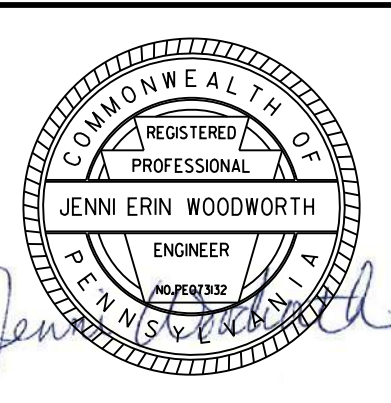
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|---------------|--------------------------------|-----------|--------------------------------|
| --- 375 --- | EXISTING CONTOUR MAJOR | — S — | EXISTING SANITARY SEWER |
| --- 374 --- | EXISTING CONTOUR MINOR | — T — | EXISTING UNDERGROUND TELEPHONE |
| --- ● ● ● --- | EXISTING STREAM BOUNDARY | — E — | EXISTING ELECTRIC LINE |
| | EXISTING TREE | — W — | EXISTING WATER LINE |
| | UTILITY POLE, LIGHT POLE, SIGN | — G — | EXISTING GAS LINE |
| | EXISTING WOOD LINE | — C — | EXISTING UNDERGROUND CONDUIT |
| — — — — — | EXISTING RIGHT-OF-WAY | — X — | EXISTING FENCE |
| — — — — — | EXISTING PROPERTY LINE | — — — — — | EXISTING GUIDERAIL |
| | EXISTING WETLAND | — — — — — | SOIL BOUNDARY |
| | | (GeB) | SOIL TYPE |
| | | --- | 100 YEAR FLOODPLAIN |

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A. D. MARBLE
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EXISTING CONDITIONS PLAN



DESIGN BY: EBD CHECKED BY: JEW

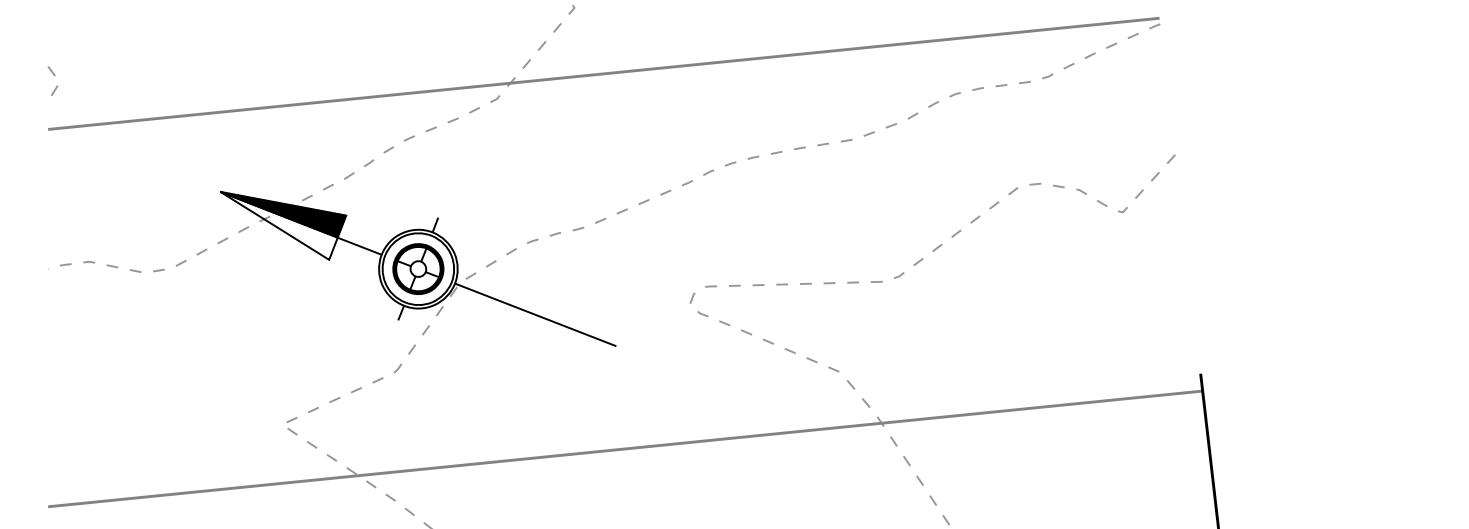
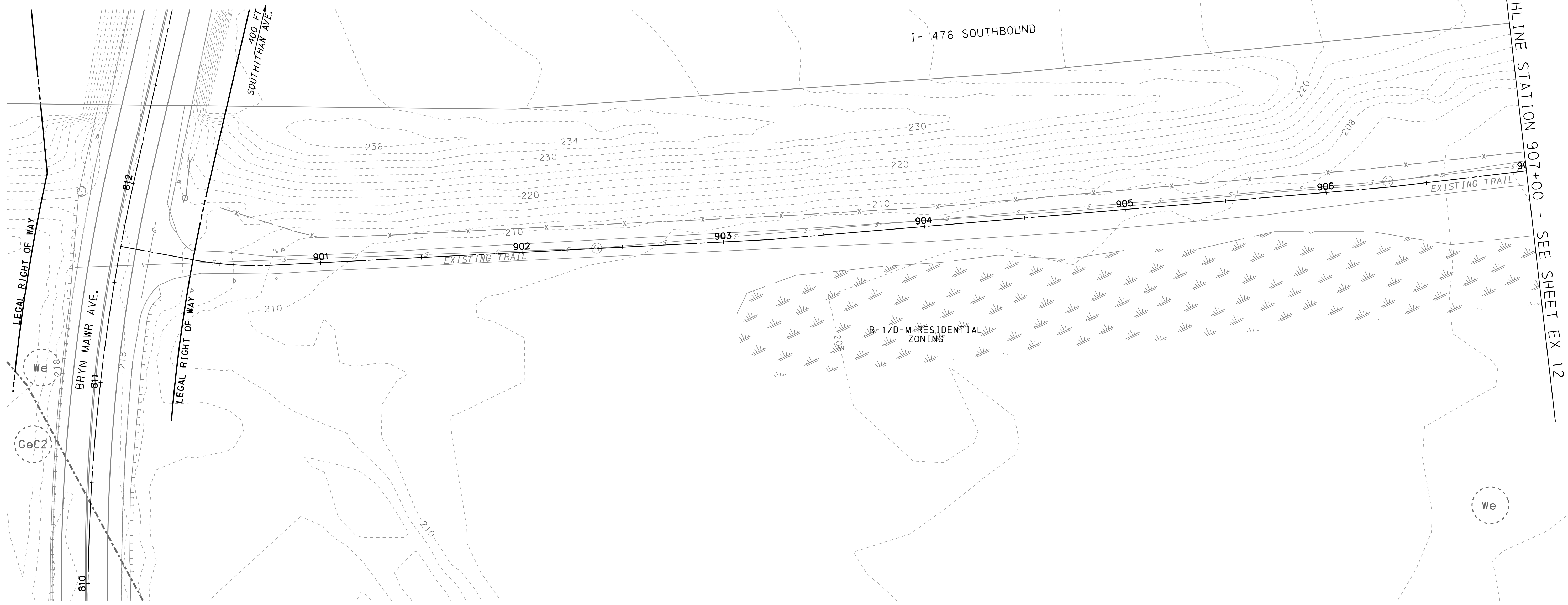
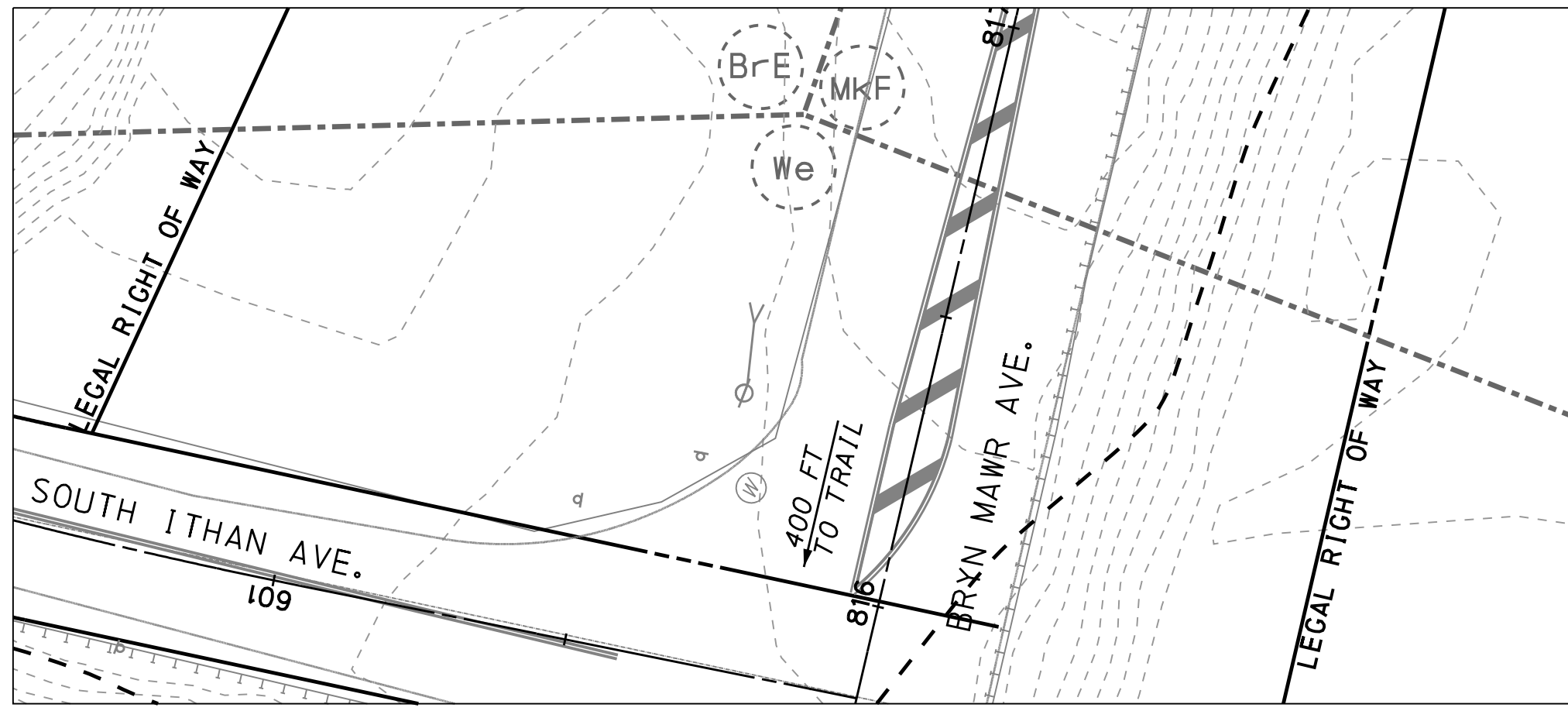
DWG EX-10 OF 13

11-12-2019

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
6-0	DELAWARE	0030	RRT	13 OF 53
RADNOR TOWNSHIP				
REVISION NUMBER	REVISIONS	DATE	BY	

LEGEND

- 375 --- EXISTING CONTOUR MAJOR
- 374 --- EXISTING CONTOUR MINOR
- --- EXISTING STREAM BOUNDARY
- ☀ --- EXISTING TREE
- ☀ --- UTILITY POLE, LIGHT POLE, SIGN
- --- EXISTING WOOD LINE
- --- EXISTING RIGHT-OF-WAY
- --- EXISTING PROPERTY LINE
- --- EXISTING WETLAND
- S --- EXISTING SANITARY SEWER
- T --- EXISTING UNDERGROUND TELEPHONE
- E --- EXISTING ELECTRIC LINE
- W --- EXISTING WATER LINE
- G --- EXISTING GAS LINE
- C --- EXISTING UNDERGROUND CONDUIT
- X --- EXISTING FENCE
- --- EXISTING GUIDERAIL
- --- SOIL BOUNDARY
- (GeB) SOIL TYPE
- --- 100 YEAR FLOODPLAIN



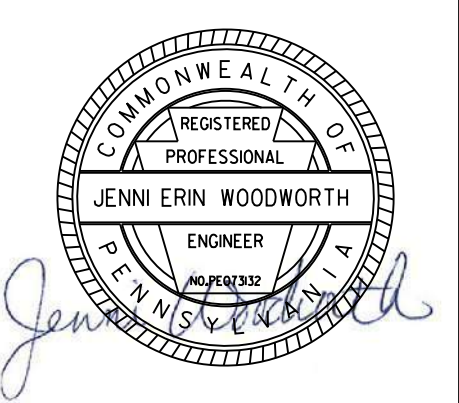
MATCH LINE STATION 907+00 - SEE SHEET EX 12

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A. D. MARBLE
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DESIGN BY: EBD CHECKED BY: JEW

EXISTING CONDITIONS PLAN



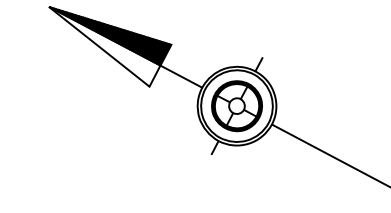
DWG EX-11 OF 13

11-12-2019

LEGEND

- | | | | |
|-------------|--------------------------------|-----------|--------------------------------|
| --- 375 --- | EXISTING CONTOUR MAJOR | — S — | EXISTING SANITARY SEWER |
| --- 374 --- | EXISTING CONTOUR MINOR | — T — | EXISTING UNDERGROUND TELEPHONE |
| — ● — | EXISTING STREAM BOUNDARY | — E — | EXISTING ELECTRIC LINE |
| | EXISTING TREE | — W — | EXISTING WATER LINE |
| | UTILITY POLE, LIGHT POLE, SIGN | — G — | EXISTING GAS LINE |
| | EXISTING WOOD LINE | — C — | EXISTING UNDERGROUND CONDUIT |
| — — — — — | EXISTING RIGHT-OF-WAY | — X — | EXISTING FENCE |
| — — — — — | EXISTING PROPERTY LINE | — — — — — | EXISTING GUIDERAIL |
| | EXISTING WETLAND | — — — — — | SOIL BOUNDARY |
| | | (CeB) | SOIL TYPE |
| | | — — — — — | 100 YEAR FLOODPLAIN |

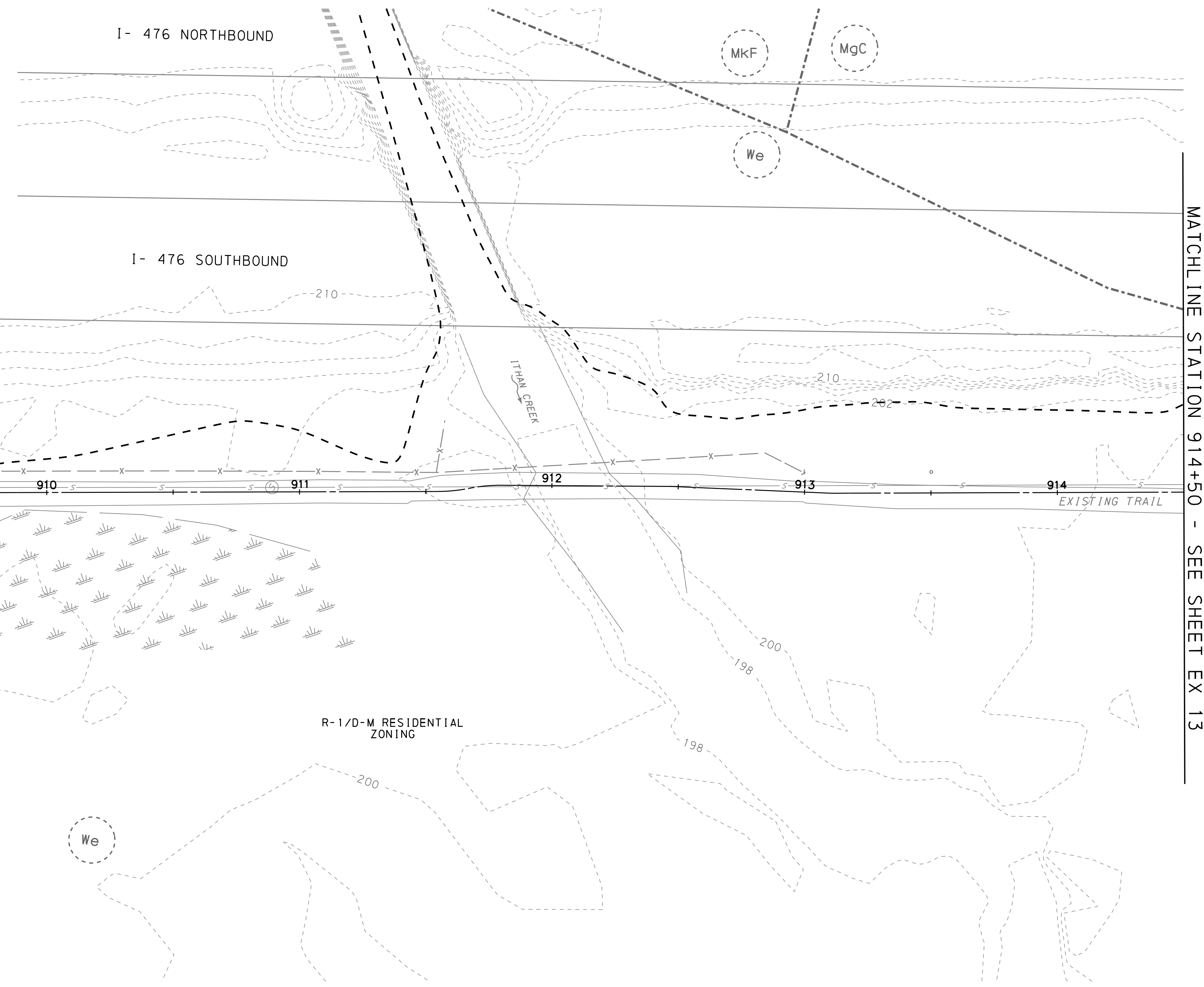
DISTRICT	COUNTY	ROUTE	SECTION	SHEET
6-0	DELAWARE	0030	RRT	14 OF 53
RADNOR TOWNSHIP				
REVISION NUMBER	REVISIONS			DATE
				BY



PLOTTED: 10/9/2019 4:49:59 PM

MATCHLINE STATION 907+00 - SEE SHEET EX 11

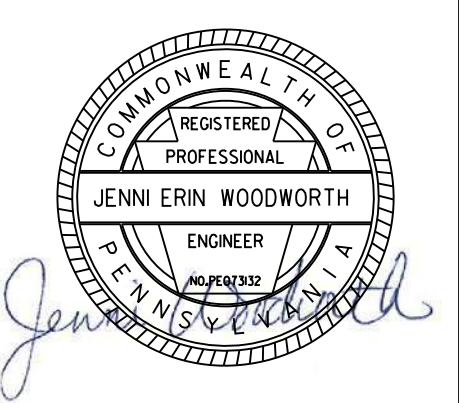
MATCHLINE STATION 914+50 - SEE SHEET EX 13



A. D. MARBLE
FILE NAME: X:\Projects\1585\CADD\Plan\ESPC\Ex11.dgn

DESIGN BY: EBD CHECKED BY: JEW

EXISTING CONDITIONS PLAN



DWG EX-12 OF 13

11-12-2019

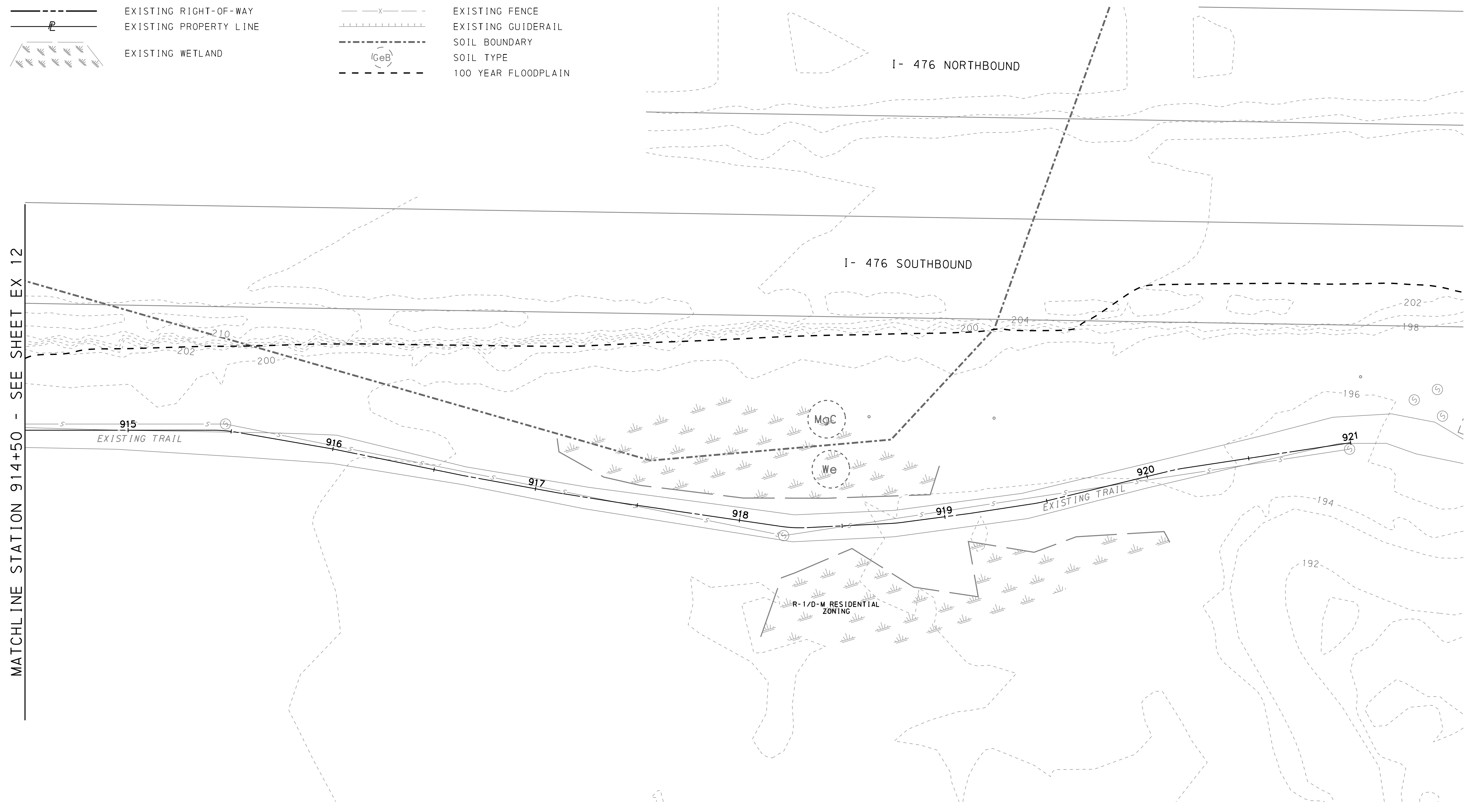
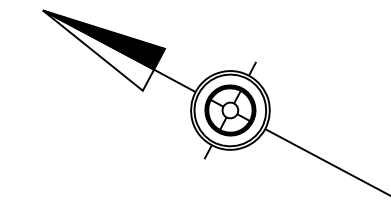
A. D. MARBLE
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MATCHLINE STATION 914+50 - SEE SHEET EX 12

LEGEND

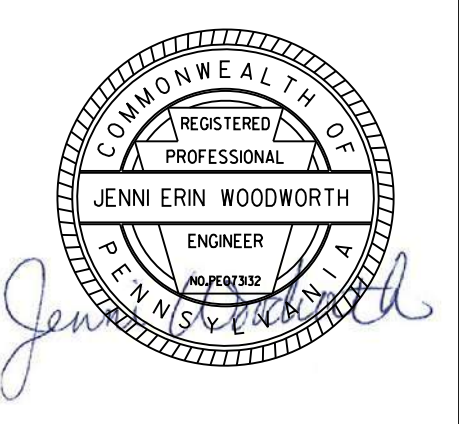
- | | | | | | |
|-----|--------|--------------------------------|-----|-------|--------------------------------|
| --- | 375--- | EXISTING CONTOUR MAJOR | --- | S--- | EXISTING SANITARY SEWER |
| --- | 374--- | EXISTING CONTOUR MINOR | --- | T--- | EXISTING UNDERGROUND TELEPHONE |
| --- | ●●●--- | EXISTING STREAM BOUNDARY | --- | E--- | EXISTING ELECTRIC LINE |
| | | EXISTING TREE | --- | W--- | EXISTING WATER LINE |
| | | UTILITY POLE, LIGHT POLE, SIGN | --- | G--- | EXISTING GAS LINE |
| | | EXISTING WOOD LINE | --- | C--- | EXISTING UNDERGROUND CONDUIT |
| | | EXISTING RIGHT-OF-WAY | --- | X--- | EXISTING FENCE |
| | | EXISTING PROPERTY LINE | --- | --- | EXISTING GUIDERAIL |
| | | EXISTING WETLAND | --- | --- | SOIL BOUNDARY |
| | | | --- | (CeB) | SOIL TYPE |
| | | | --- | --- | 100 YEAR FLOODPLAIN |

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
6-0	DELAWARE	0030	RRT	15 OF 53
RADNOR TOWNSHIP				
REVISION NUMBER	REVISIONS	DATE	BY	



EXISTING CONDITIONS PLAN

0 25 50
SCALE IN FEET: 1"=25'



DESIGN BY: EBD CHECKED BY: JEW

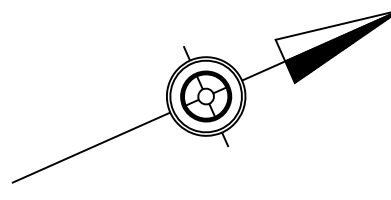
DISTRICT	COUNTY	ROUTE	SECTION	SHEET
6-0	DELAWARE	0030	RRT	16 OF 53
RADNOR TOWNSHIP				
REVISION NUMBER	REVISIONS	DATE	BY	

LEGEND

- | | | | |
|-------------|---------------------------------|-----|--------------------------------|
| --- 375 --- | EXISTING CONTOUR MAJOR | --- | EXISTING RIGHT-OF-WAY |
| --- 374 --- | EXISTING CONTOUR MINOR | --- | EXISTING PROPERTY LINE |
| --- 375 --- | PROPOSED CONTOUR MAJOR | --- | EXISTING SANITARY SEWER |
| --- 374 --- | PROPOSED CONTOUR MINOR | --- | EXISTING UNDERGROUND TELEPHONE |
| --- | DRAINAGE AREA BOUNDARY | --- | EXISTING ELECTRIC LINE |
| --- | PROPOSED TRAIL | --- | EXISTING WATER LINE |
| --- | PROPOSED ROCK OUTLET PROTECTION | --- | EXISTING GAS LINE |
| --- | EXISTING STREAM BOUNDARY | --- | EXISTING UNDERGROUND CONDUIT |
| --- | EXISTING WETLAND | --- | EXISTING FENCE |
| --- | EXISTING TREE | --- | EXISTING GUIDERAIL |
| --- | UTILITY POLE, LIGHT POLE, SIGN | --- | SOIL BOUNDARY |
| --- | EXISTING WOOD LINE | --- | SOIL TYPE |
| --- | | --- | LIMIT OF DISTURBANCE |
| --- | | --- | NPDES PERMIT BOUNDARY |
| --- | | --- | 100 YEAR FLOODPLAIN |
| --- | | --- | PROPOSED CONCRETE SIDEWALK |

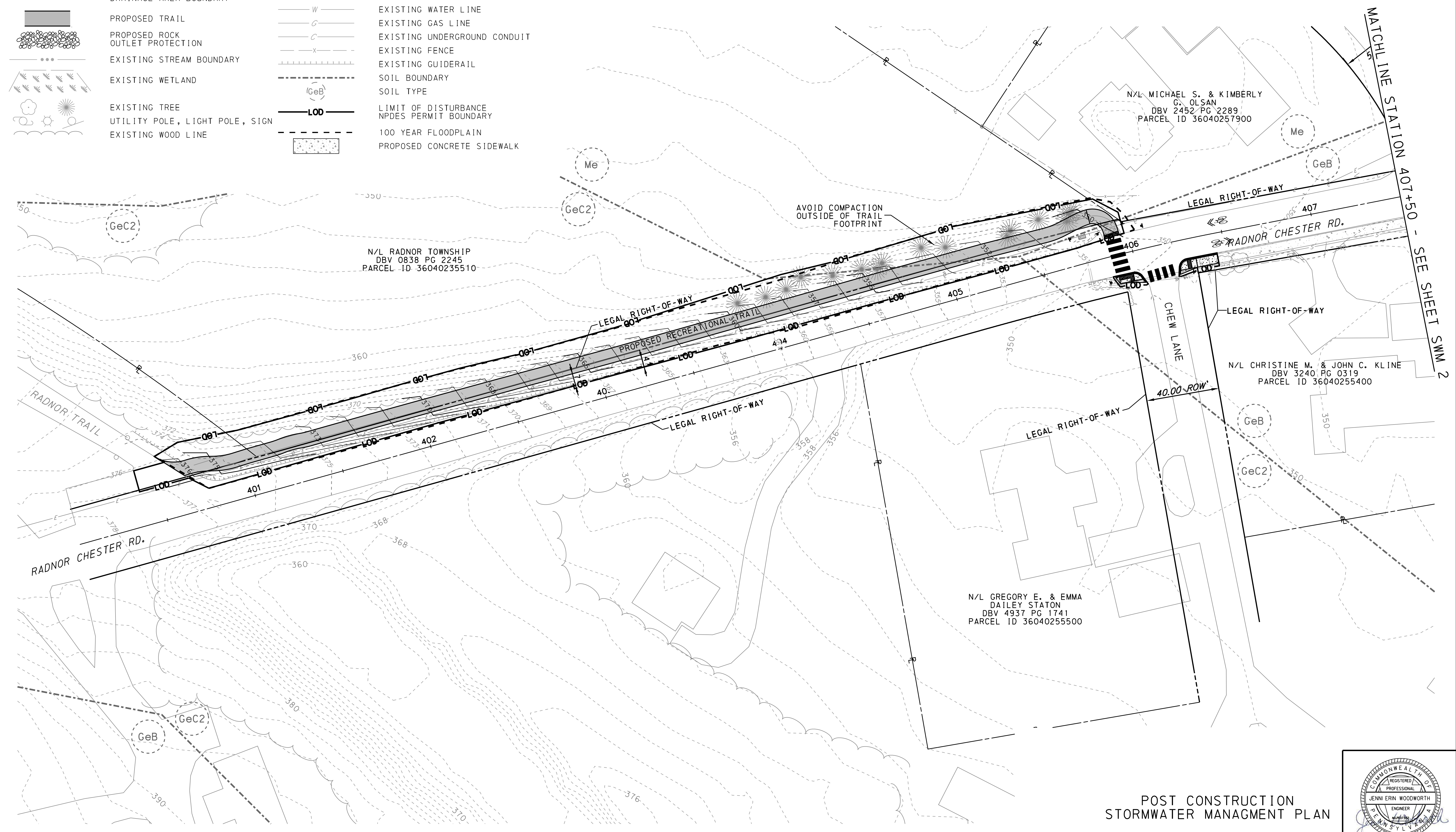
NOTES:

1. NO STORMWATER MANAGEMENT FACILITIES THIS SHEET.



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A. D. MARBLE
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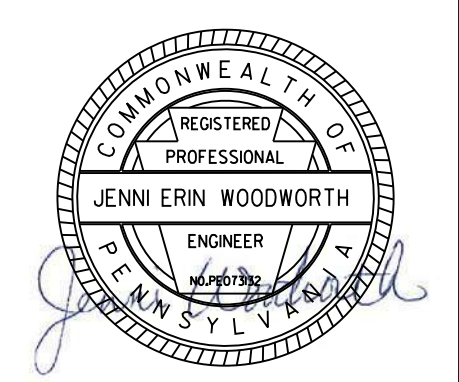


MATCHLINE STATION 407+50 - SEE SHEET SWM 2

DESIGN BY: EBD CHECKED BY: JEW

**POST CONSTRUCTION
STORMWATER MANAGEMENT PLAN**

0 25 50
SCALE IN FEET: 1"=25'



DISTRICT	COUNTY	ROUTE	SECTION	SHEET
6-0	DELAWARE	0030	RRT	17 OF 53
RADNOR TOWNSHIP				
REVISION NUMBER	REVISIONS			DATE BY

RADNOR TOWNSHIP SCHOOL DISTRICT
PARCEL ID 36020123310

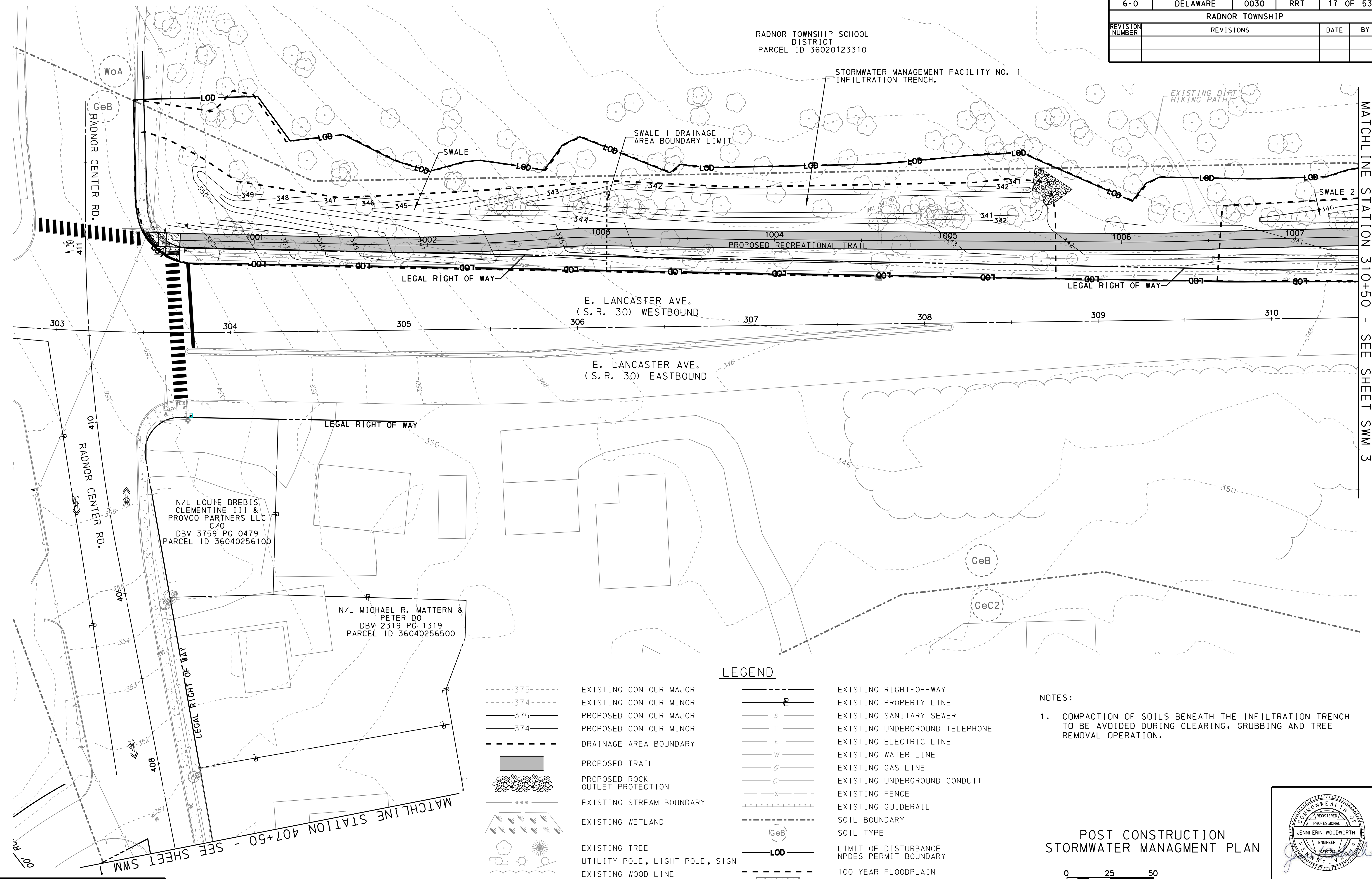
STORMWATER MANAGEMENT FACILITY NO. 1
INFILTRATION TRENCH.

EXISTING DIRT
HIKING PATH

MATCHLINE STATION 310+50 - SEE SHEET SWM 3

PLOTTED: 10/9/2019 4:50:06 PM

A. D. MARBLE
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N/L LOUIE BREBIS
CLEMENTINE III &
PROVCO PARTNERS LLC
C/O
DBV 3759 PG 0479
PARCEL ID 36040256100

N/L MICHAEL R. MATTERN &
PETER DO
DBV 2319 PG 1319
PARCEL ID 36040256500

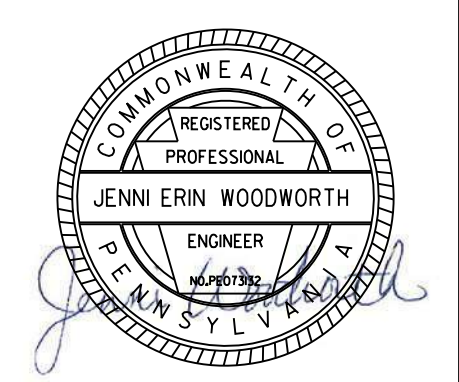
LEGEND

- | | | | |
|-----|---------------------------------|-----|--------------------------------|
| --- | EXISTING CONTOUR MAJOR | --- | EXISTING RIGHT-OF-WAY |
| --- | EXISTING CONTOUR MINOR | --- | EXISTING PROPERTY LINE |
| --- | PROPOSED CONTOUR MAJOR | --- | EXISTING SANITARY SEWER |
| --- | PROPOSED CONTOUR MINOR | --- | EXISTING UNDERGROUND TELEPHONE |
| --- | DRAINAGE AREA BOUNDARY | --- | EXISTING ELECTRIC LINE |
| --- | PROPOSED TRAIL | --- | EXISTING WATER LINE |
| --- | PROPOSED ROCK OUTLET PROTECTION | --- | EXISTING GAS LINE |
| --- | EXISTING STREAM BOUNDARY | --- | EXISTING UNDERGROUND CONDUIT |
| --- | EXISTING WETLAND | --- | EXISTING FENCE |
| --- | EXISTING TREE | --- | EXISTING GUIDERAIL |
| --- | UTILITY POLE, LIGHT POLE, SIGN | --- | SOIL BOUNDARY |
| --- | EXISTING WOOD LINE | --- | SOIL TYPE |
| --- | | --- | LIMIT OF DISTURBANCE |
| --- | | --- | NPDES PERMIT BOUNDARY |
| --- | | --- | 100 YEAR FLOODPLAIN |
| --- | | --- | PROPOSED CONCRETE SIDEWALK |

NOTES:

1. COMPACTION OF SOILS BENEATH THE INFILTRATION TRENCH TO BE AVOIDED DURING CLEARING, GRUBBING AND TREE REMOVAL OPERATION.

**POST CONSTRUCTION
STORMWATER MANAGEMENT PLAN**



DESIGN BY: EBD CHECKED BY: JEW

DWG SWM-02 OF 25

11-12-2019

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
6-0	DELAWARE	0030	RRT	18 OF 53
RADNOR TOWNSHIP				
REVISION NUMBER	REVISIONS	DATE	BY	

LEGEND

- 375--- EXISTING CONTOUR MAJOR
- 374--- EXISTING CONTOUR MINOR
- 375— PROPOSED CONTOUR MAJOR
- 374— PROPOSED CONTOUR MINOR
- - - - - DRAINAGE AREA BOUNDARY
- [Hatched Box] PROPOSED TRAIL
- [Rock Pattern Box] PROPOSED ROCK OUTLET PROTECTION
- [Dashed Line] EXISTING STREAM BOUNDARY
- [Wavy Line] EXISTING WETLAND
- [Tree Symbol] EXISTING TREE
- [Sun Symbol] UTILITY POLE, LIGHT POLE, SIGN
- [Wavy Line] EXISTING WOOD LINE
- — — — — EXISTING RIGHT-OF-WAY
- P — — — — EXISTING PROPERTY LINE
- S — — — — EXISTING SANITARY SEWER
- T — — — — EXISTING UNDERGROUND TELEPHONE
- E — — — — EXISTING ELECTRIC LINE
- W — — — — EXISTING WATER LINE
- G — — — — EXISTING GAS LINE
- C — — — — EXISTING UNDERGROUND CONDUIT
- — — — — EXISTING FENCE
- — — — — EXISTING GUIDERAIL
- — — — — SOIL BOUNDARY
- (GeB) SOIL TYPE
- LOD — — — — LIMIT OF DISTURBANCE
- — — — — NPDES PERMIT BOUNDARY
- - - - - 100 YEAR FLOODPLAIN
- [Dotted Box] PROPOSED CONCRETE SIDEWALK

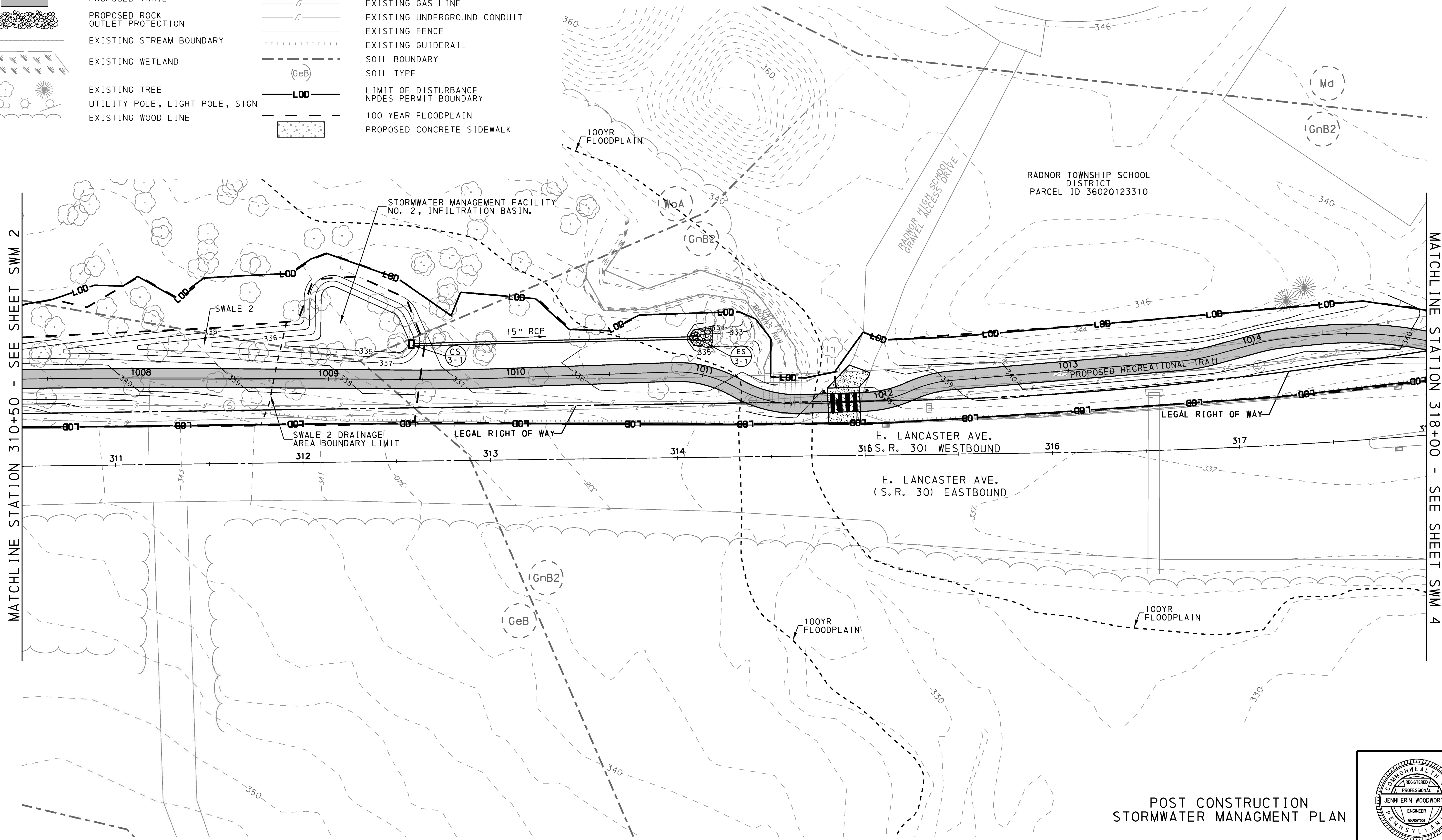
NOTES:

1. COMPACTION OF SOILS BENEATH THE INFILTRATION BASIN TO BE AVOIDED DURING CLEARING, GRUBBING AND TREE REMOVAL OPERATION.

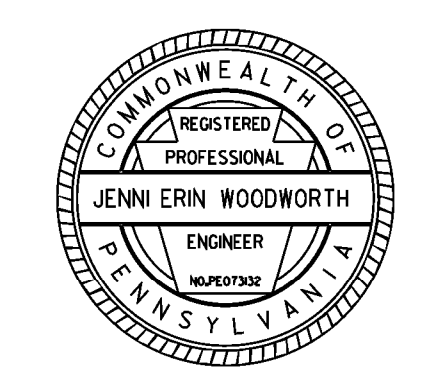
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MATCHLINE STATION 310+50 - SEE SHEET SWM 2

MATCHLINE STATION 318+00 - SEE SHEET SWM 4



POST CONSTRUCTION STORMWATER MANAGEMENT PLAN



A. D. MARBLE
FILE NAME: X:\Projects\1585\CAD\Plan\PCS\SWM P\Plan_03.dgn

DESIGN BY: EBD CHECKED BY: JEW

DWG SWM-03 OF 25

11-12-2019

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
6-0	DELAWARE	0030	RRT	19 OF 53
RADNOR TOWNSHIP				
REVISION NUMBER	REVISIONS	DATE	BY	

LEGEND

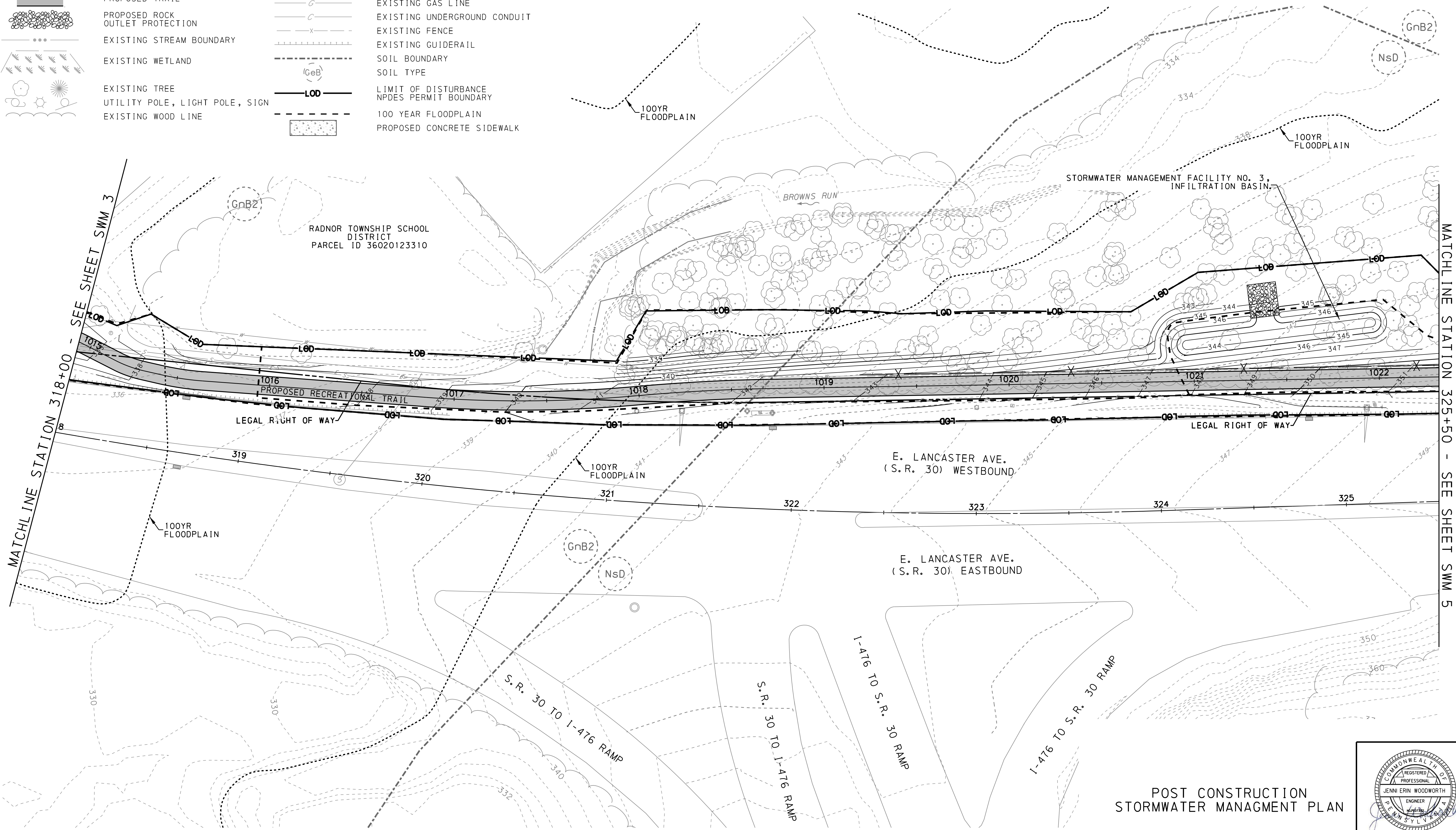
- 375 --- EXISTING CONTOUR MAJOR
- 374 --- EXISTING CONTOUR MINOR
- 375 — PROPOSED CONTOUR MAJOR
- 374 — PROPOSED CONTOUR MINOR
- - - - - DRAINAGE AREA BOUNDARY
- [Pattern] PROPOSED TRAIL
- [Pattern] PROPOSED ROCK OUTLET PROTECTION
- [Pattern] EXISTING STREAM BOUNDARY
- [Pattern] EXISTING WETLAND
- [Symbol] EXISTING TREE
- [Symbol] UTILITY POLE, LIGHT POLE, SIGN
- [Symbol] EXISTING WOOD LINE
- — — — — EXISTING RIGHT-OF-WAY
- P — EXISTING PROPERTY LINE
- S — EXISTING SANITARY SEWER
- T — EXISTING UNDERGROUND TELEPHONE
- E — EXISTING ELECTRIC LINE
- W — EXISTING WATER LINE
- G — EXISTING GAS LINE
- C — EXISTING UNDERGROUND CONDUIT
- X — EXISTING FENCE
- — — — — EXISTING GUIDERAIL
- — — — — SOIL BOUNDARY
- (GeB) SOIL TYPE
- LOD — LIMIT OF DISTURBANCE
- — — — — NPDES PERMIT BOUNDARY
- - - - - 100 YEAR FLOODPLAIN
- [Pattern] PROPOSED CONCRETE SIDEWALK

NOTES:

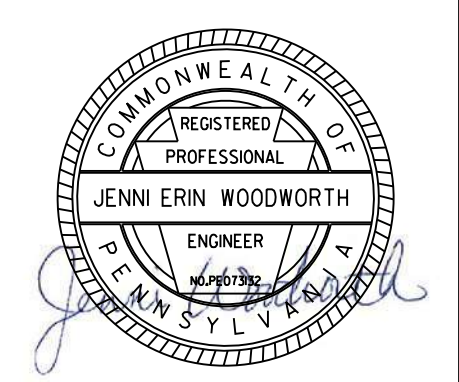
1. COMPACTION OF SOILS BENEATH THE INFILTRATION BASIN TO BE AVOIDED DURING CLEARING, GRUBBING AND TREE REMOVAL OPERATION.

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A. D. MARBLE
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**POST CONSTRUCTION
STORMWATER MANAGEMENT PLAN**



DESIGN BY: EBD CHECKED BY: JEW

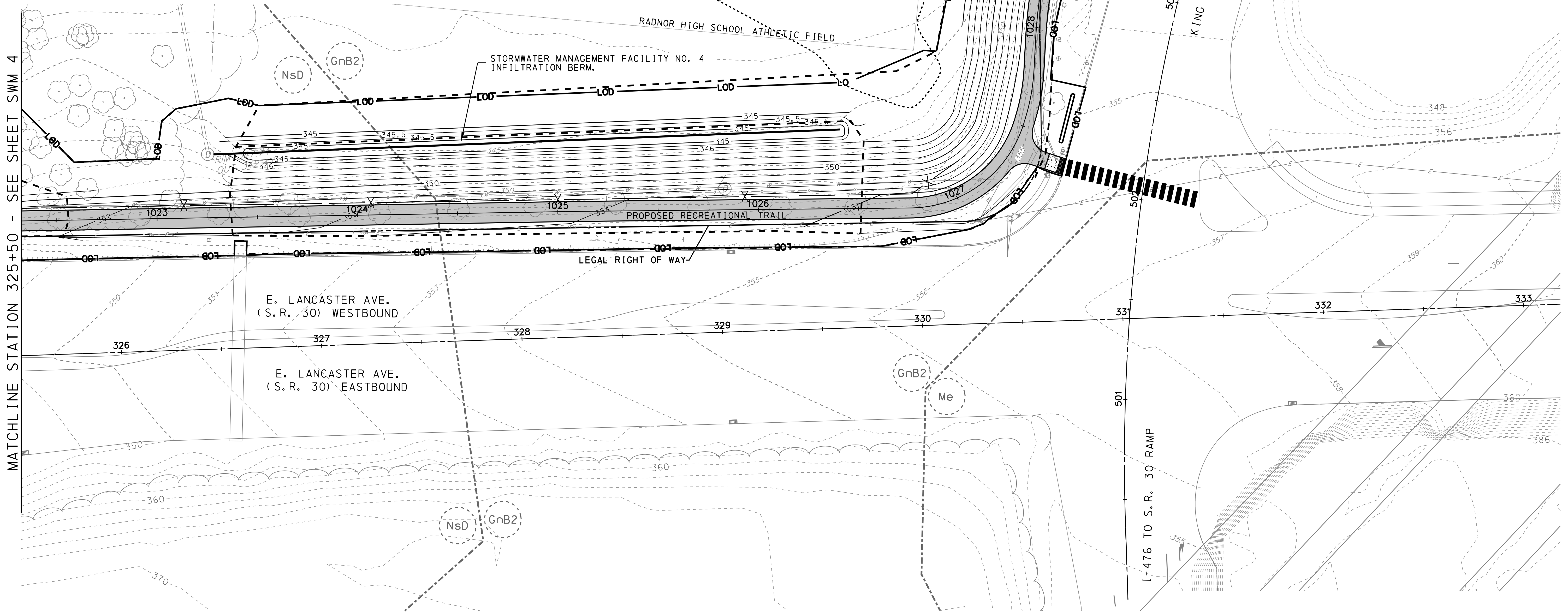
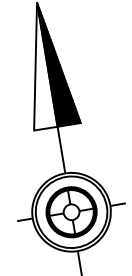
DWG SWM-04 OF 25

11-12-2019

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
6-0	DELAWARE	0030	RRT	20 OF 53
RADNOR TOWNSHIP				
REVISION NUMBER	REVISIONS	DATE	BY	

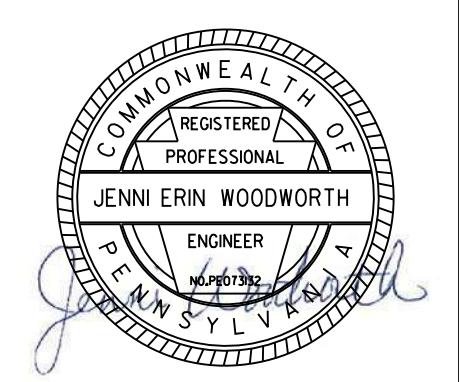
LEGEND

- | | | | |
|-------------|---------------------------------|-----|--------------------------------|
| --- 375 --- | EXISTING CONTOUR MAJOR | --- | EXISTING RIGHT-OF-WAY |
| --- 374 --- | EXISTING CONTOUR MINOR | --- | EXISTING PROPERTY LINE |
| --- 375 --- | PROPOSED CONTOUR MAJOR | --- | EXISTING SANITARY SEWER |
| --- 374 --- | PROPOSED CONTOUR MINOR | --- | EXISTING UNDERGROUND TELEPHONE |
| --- | DRAINAGE AREA BOUNDARY | --- | EXISTING ELECTRIC LINE |
| --- | PROPOSED TRAIL | --- | EXISTING WATER LINE |
| --- | PROPOSED ROCK OUTLET PROTECTION | --- | EXISTING GAS LINE |
| --- | EXISTING STREAM BOUNDARY | --- | EXISTING UNDERGROUND CONDUIT |
| --- | EXISTING WETLAND | --- | EXISTING FENCE |
| --- | EXISTING TREE | --- | EXISTING GUIDERAIL |
| --- | UTILITY POLE, LIGHT POLE, SIGN | --- | SOIL BOUNDARY |
| --- | EXISTING WOOD LINE | --- | SOIL TYPE |
| --- | | --- | LIMIT OF DISTURBANCE |
| --- | | --- | NPDES PERMIT BOUNDARY |
| --- | | --- | 100 YEAR FLOODPLAIN |
| --- | | --- | PROPOSED CONCRETE SIDEWALK |



NOTES:
 1. COMPACTION OF SOILS BENEATH THE INFILTRATION BERM TO BE AVOIDED DURING CLEARING, GRUBBING AND TREE REMOVAL OPERATION.

POST CONSTRUCTION STORMWATER MANAGEMENT PLAN



A. D. MARBLE
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DESIGN BY: EBD CHECKED BY: JEW

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
6-0	DELAWARE	0030	RRT	21 OF 53
RADNOR TOWNSHIP				
REVISION NUMBER	REVISIONS		DATE	BY

LEGEND

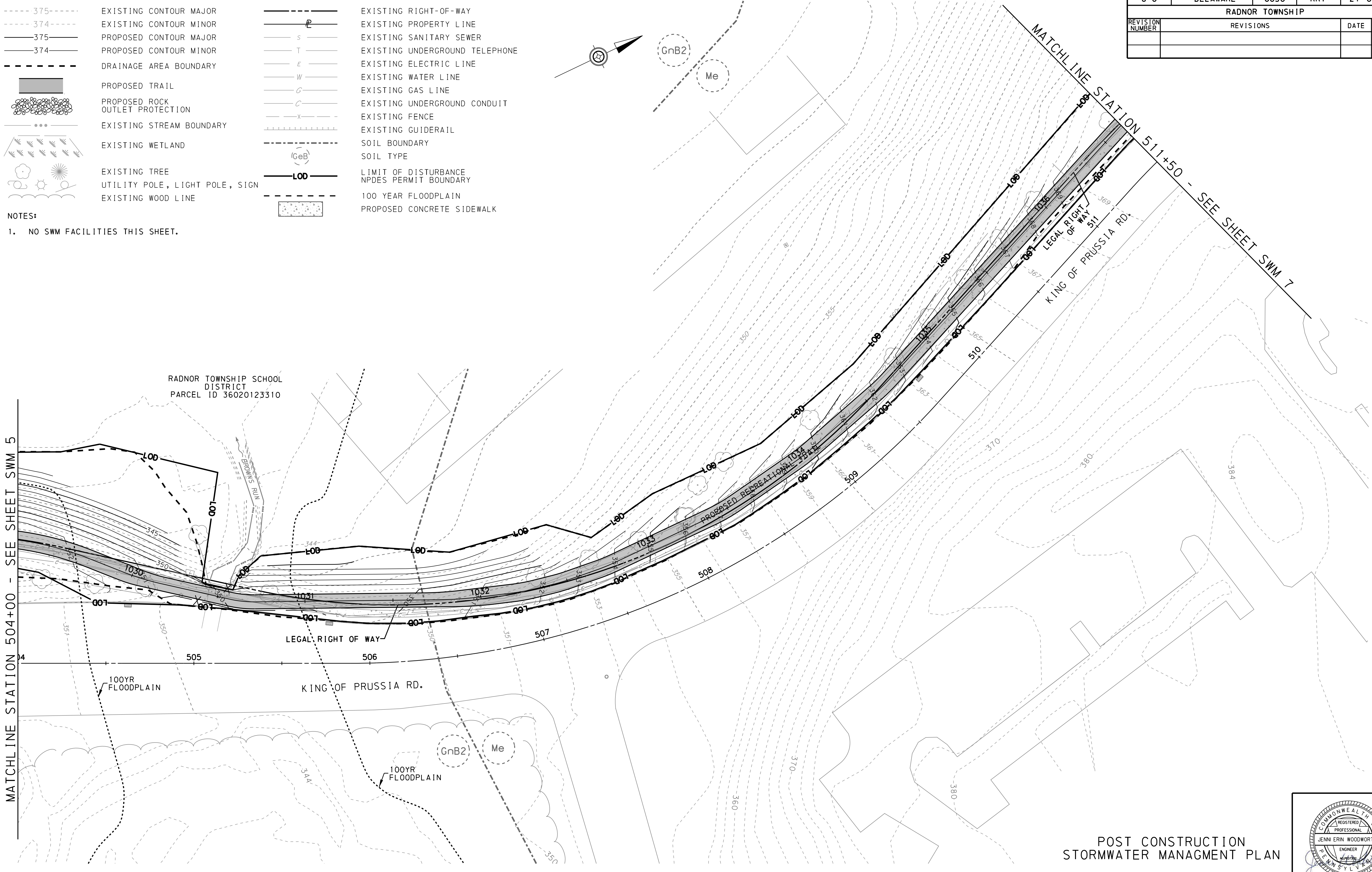
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|--------------------|---------------------------------|--------------|--------------------------------|
| --- 375 --- | EXISTING CONTOUR MAJOR | --- | EXISTING RIGHT-OF-WAY |
| --- 374 --- | EXISTING CONTOUR MINOR | --- | EXISTING PROPERTY LINE |
| — 375 — | PROPOSED CONTOUR MAJOR | --- | EXISTING SANITARY SEWER |
| — 374 — | PROPOSED CONTOUR MINOR | --- | EXISTING UNDERGROUND TELEPHONE |
| - - - - - | DRAINAGE AREA BOUNDARY | --- | EXISTING ELECTRIC LINE |
| [Hatched Box] | PROPOSED TRAIL | --- | EXISTING WATER LINE |
| [Rock Pattern Box] | PROPOSED ROCK OUTLET PROTECTION | --- | EXISTING GAS LINE |
| [Dotted Line] | EXISTING STREAM BOUNDARY | --- | EXISTING UNDERGROUND CONDUIT |
| [Wavy Line] | EXISTING WETLAND | --- | EXISTING FENCE |
| [Tree Symbols] | EXISTING TREE | --- | EXISTING GUIDERAIL |
| [Sun Symbols] | UTILITY POLE, LIGHT POLE, SIGN | --- | SOIL BOUNDARY |
| [Wavy Line] | EXISTING WOOD LINE | (GeB) | SOIL TYPE |
| | | --- LOD --- | LIMIT OF DISTURBANCE |
| | | [Dotted Box] | NPDES PERMIT BOUNDARY |
| | | --- | 100 YEAR FLOODPLAIN |
| | | --- | PROPOSED CONCRETE SIDEWALK |

NOTES:
1. NO SWM FACILITIES THIS SHEET.

RADNOR TOWNSHIP SCHOOL DISTRICT
PARCEL ID 36020123310

MATCHLINE STATION 504+00 - SEE SHEET SWM 5

MATCHLINE STATION 511+50 - SEE SHEET SWM 7

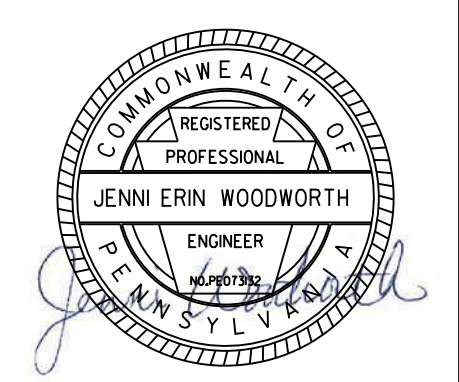


A. D. MARBLE
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PLOTTED: 10/9/2019 4:50:09 PM

DESIGN BY: EBD CHECKED BY: JEW

**POST CONSTRUCTION
STORMWATER MANAGEMENT PLAN**

0 25 50
SCALE IN FEET: 1"=25'

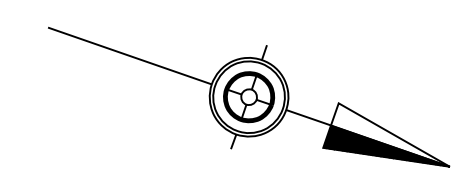


DISTRICT	COUNTY	ROUTE	SECTION	SHEET
6-0	DELAWARE	0030	RRT	22 OF 53
RADNOR TOWNSHIP				
REVISION NUMBER	REVISIONS			DATE

LEGEND

- 375 --- EXISTING CONTOUR MAJOR
- 374 --- EXISTING CONTOUR MINOR
- 375 — PROPOSED CONTOUR MAJOR
- 374 — PROPOSED CONTOUR MINOR
- - - - - DRAINAGE AREA BOUNDARY
- [Hatched Box] PROPOSED TRAIL
- [Rock Pattern Box] PROPOSED ROCK OUTLET PROTECTION
- [Dotted Box] EXISTING STREAM BOUNDARY
- [Wavy Line Box] EXISTING WETLAND
- [Tree Symbol] EXISTING TREE
- [Pole Symbol] UTILITY POLE, LIGHT POLE, SIGN
- [Dashed Line] EXISTING WOOD LINE
- — — — — EXISTING RIGHT-OF-WAY
- [Line with P] EXISTING PROPERTY LINE
- S — EXISTING SANITARY SEWER
- T — EXISTING UNDERGROUND TELEPHONE
- E — EXISTING ELECTRIC LINE
- W — EXISTING WATER LINE
- G — EXISTING GAS LINE
- C — EXISTING UNDERGROUND CONDUIT
- X — EXISTING FENCE
- [Dashed Line] EXISTING GUIDERAIL
- [Dashed Line] SOIL BOUNDARY
- (GcB) SOIL TYPE
- LOD — LIMIT OF DISTURBANCE
- [Dashed Line] NPDES PERMIT BOUNDARY
- [Dashed Line] 100 YEAR FLOODPLAIN
- [Stippled Box] PROPOSED CONCRETE SIDEWALK

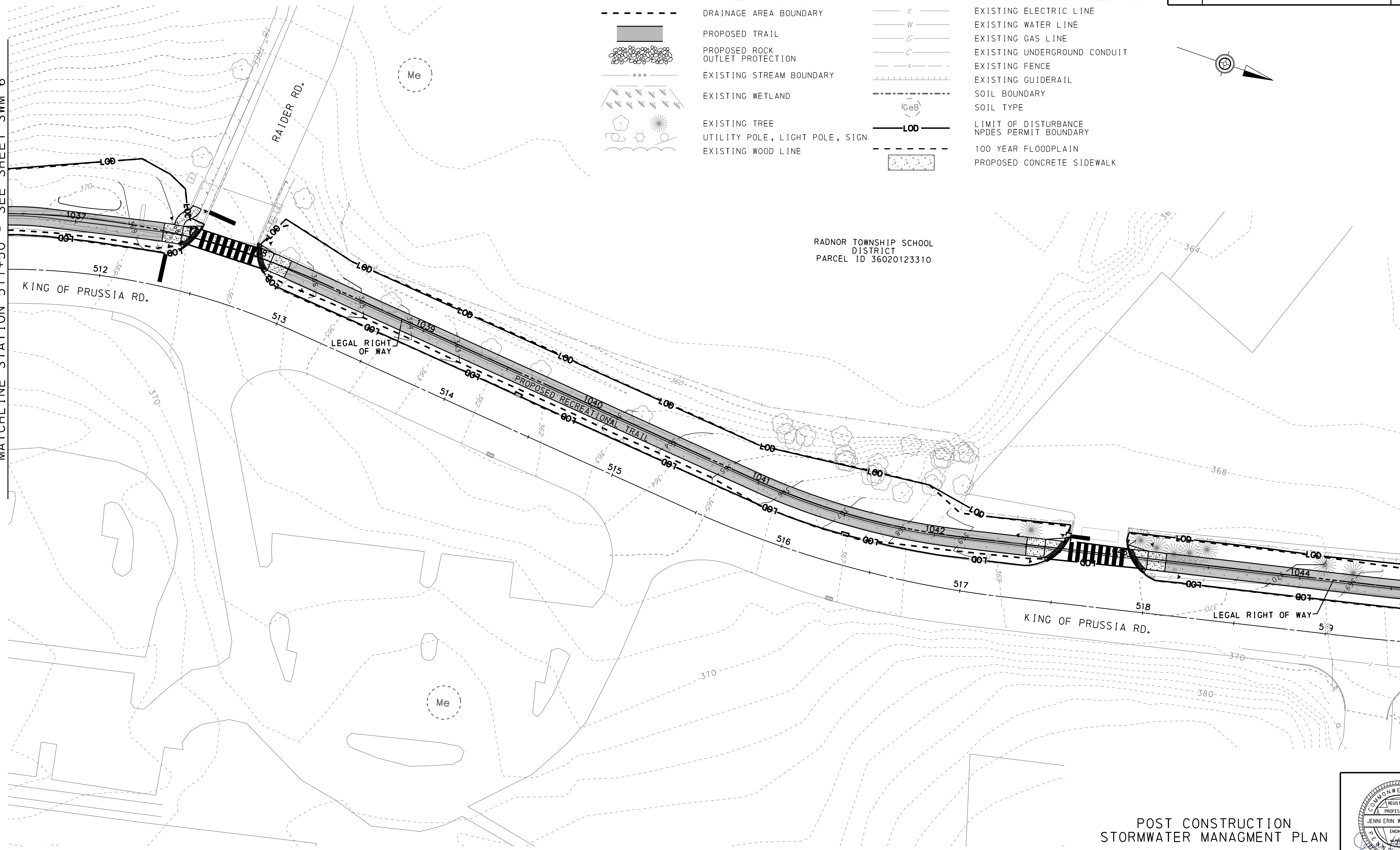
NOTES:
1. NO SWM FACILITIES THIS SHEET.



RADNOR TOWNSHIP SCHOOL DISTRICT
PARCEL ID 36020123310

MATCHLINE STATION 511+50 - SEE SHEET SWM 6

MATCHLINE STATION 519+50 - SEE SHEET SWM 8



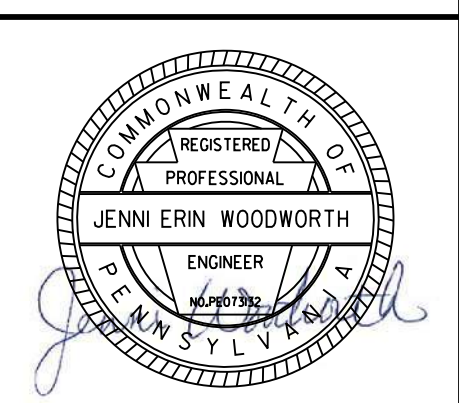
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A. D. MARBLE
FILE NAME: X:\Projects\1585\CADD\1585\PCS\SWM P.lan 07.dgn

DESIGN BY: EBD CHECKED BY: JEW

POST CONSTRUCTION
STORMWATER MANAGEMENT PLAN

0 25 50
SCALE IN FEET: 1"=25'



DWG SWM-07 OF 25

11-12-2019

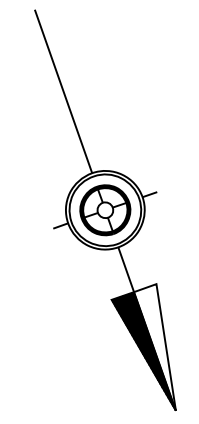
A. D. MARBLE
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MATCHLINE STATION 526+50 - SEE SHEET SWM 8

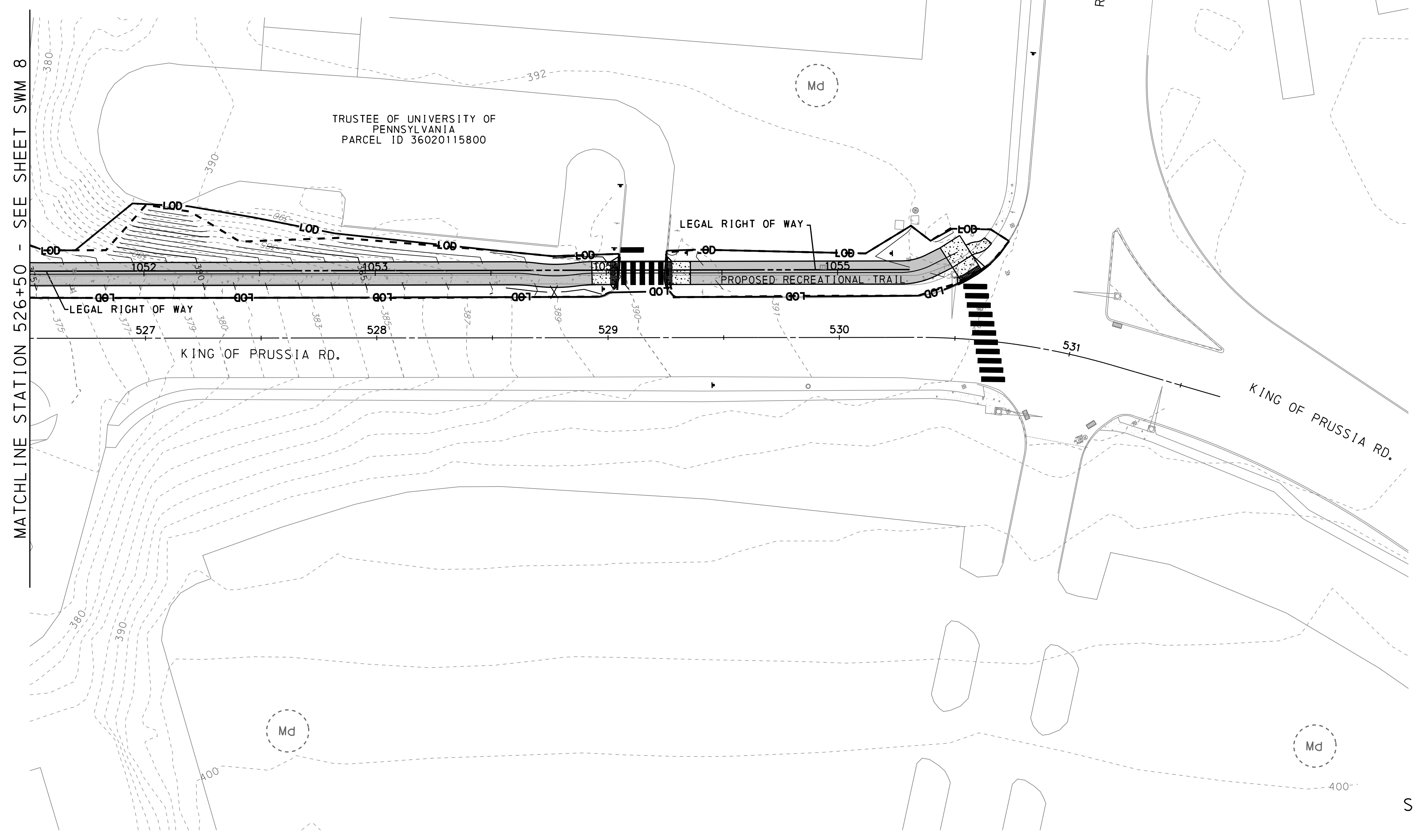
LEGEND

- | | | | |
|-------------|---------------------------------|-------|--------------------------------|
| --- 375 --- | EXISTING CONTOUR MAJOR | ----- | EXISTING RIGHT-OF-WAY |
| --- 374 --- | EXISTING CONTOUR MINOR | ----- | EXISTING PROPERTY LINE |
| --- 375 --- | PROPOSED CONTOUR MAJOR | ----- | EXISTING SANITARY SEWER |
| --- 374 --- | PROPOSED CONTOUR MINOR | ----- | EXISTING UNDERGROUND TELEPHONE |
| - - - - - | DRAINAGE AREA BOUNDARY | ----- | EXISTING ELECTRIC LINE |
| [Pattern] | PROPOSED TRAIL | ----- | EXISTING WATER LINE |
| [Pattern] | PROPOSED ROCK OUTLET PROTECTION | ----- | EXISTING GAS LINE |
| [Pattern] | EXISTING STREAM BOUNDARY | ----- | EXISTING UNDERGROUND CONDUIT |
| [Pattern] | EXISTING WETLAND | ----- | EXISTING FENCE |
| [Pattern] | EXISTING TREE | ----- | EXISTING GUIDERAIL |
| [Pattern] | UTILITY POLE, LIGHT POLE, SIGN | ----- | SOIL BOUNDARY |
| [Pattern] | EXISTING WOOD LINE | ----- | SOIL TYPE |
| | | (GeB) | LIMIT OF DISTURBANCE |
| | | LOD | NPDES PERMIT BOUNDARY |
| | | | 100 YEAR FLOODPLAIN |
| | | | PROPOSED CONCRETE SIDEWALK |

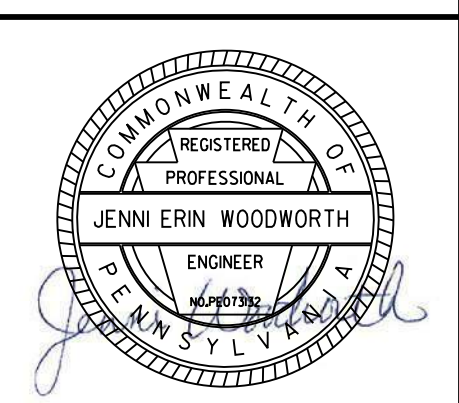
NOTES:
 1. NO SWM FACILITIES THIS SHEET.



DISTRICT	COUNTY	ROUTE	SECTION	SHEET	
6-0	DELAWARE	0030	RRT	24 OF 53	
RADNOR TOWNSHIP					
REVISION NUMBER	REVISIONS			DATE	BY



**POST CONSTRUCTION
 STORMWATER MANAGEMENT PLAN**

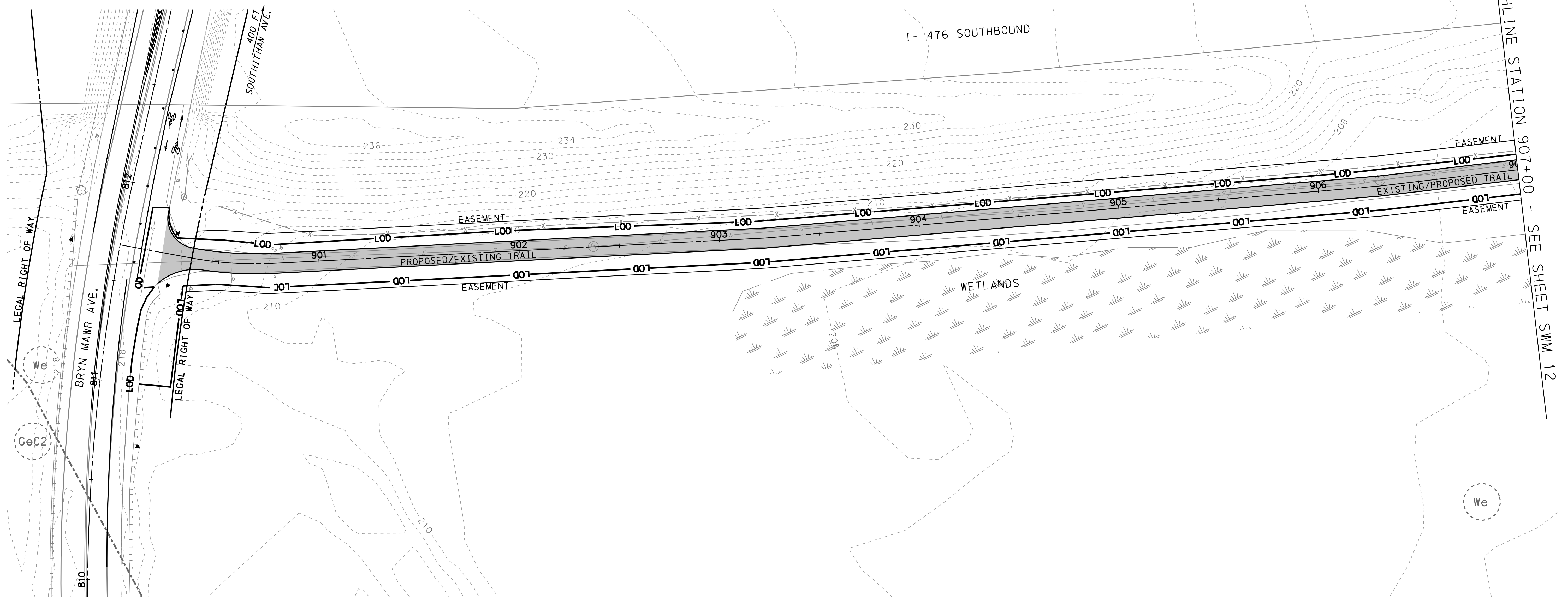
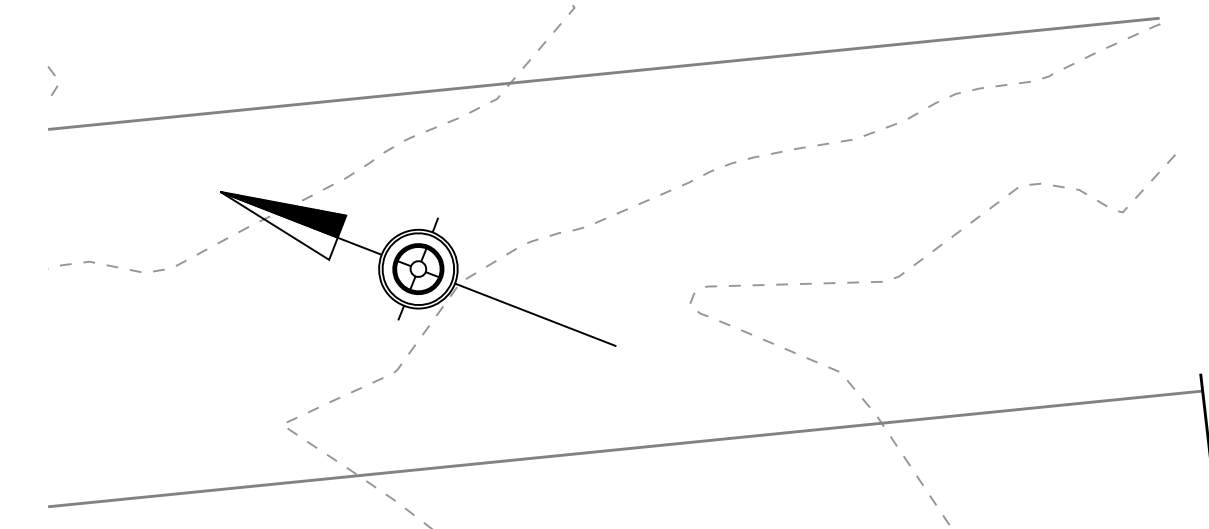
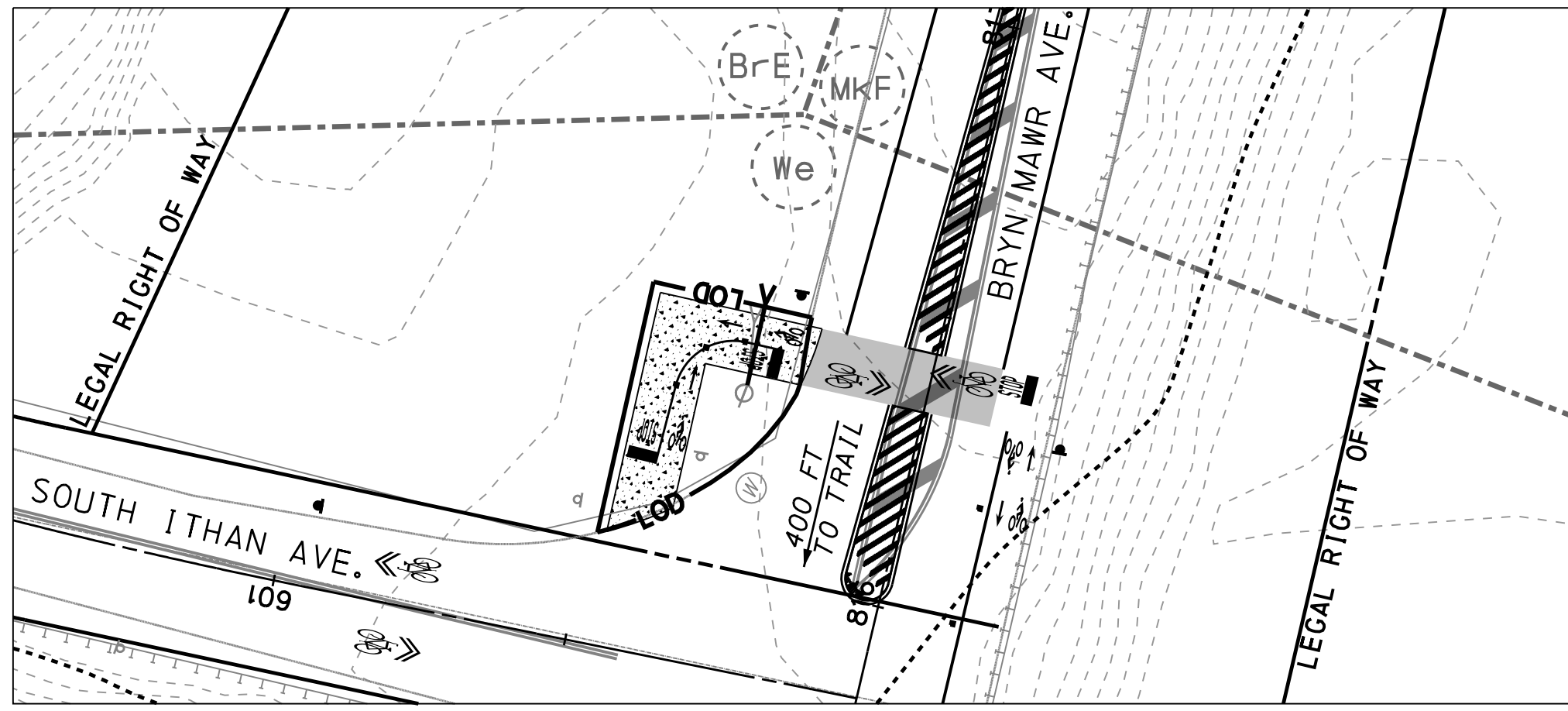


DESIGN BY: EBD CHECKED BY: JEW

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
6-0	DELAWARE	0030	RRT	26 OF 53
RADNOR TOWNSHIP				
REVISION NUMBER	REVISIONS	DATE	BY	

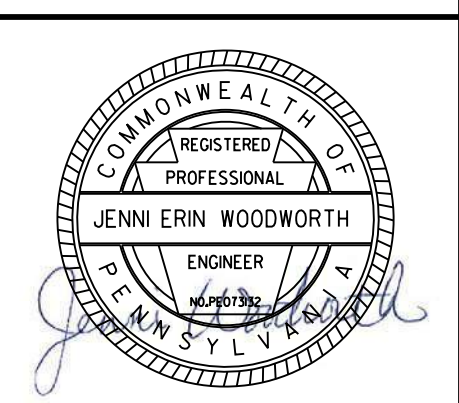
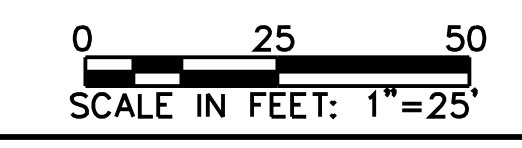
LEGEND

- 375 --- EXISTING CONTOUR MAJOR
- 374 --- EXISTING CONTOUR MINOR
- 375 — PROPOSED CONTOUR MAJOR
- 374 — PROPOSED CONTOUR MINOR
- - - - - DRAINAGE AREA BOUNDARY
- PROPOSED TRAIL
- PROPOSED ROCK OUTLET PROTECTION
- --- EXISTING STREAM BOUNDARY
- EXISTING WETLAND
- EXISTING TREE
- UTILITY POLE, LIGHT POLE, SIGN
- EXISTING WOOD LINE
- --- EXISTING RIGHT-OF-WAY
- EXISTING PROPERTY LINE
- EXISTING SANITARY SEWER
- EXISTING UNDERGROUND TELEPHONE
- EXISTING ELECTRIC LINE
- EXISTING WATER LINE
- EXISTING GAS LINE
- EXISTING UNDERGROUND CONDUIT
- EXISTING FENCE
- EXISTING GUIDERAIL
- SOIL BOUNDARY
- SOIL TYPE
- LIMIT OF DISTURBANCE
- NPDES PERMIT BOUNDARY
- 100 YEAR FLOODPLAIN
- PROPOSED CONCRETE SIDEWALK



NOTES:
1. NO SWM FACILITY THIS SHEET.

**POST CONSTRUCTION
STORMWATER MANAGEMENT PLAN**



PLOTTED: 10/9/2019 4:50:14 PM

A. D. MARBLE
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DESIGN BY: EBD CHECKED BY: JEW

10/9/2019 4:50:15 PM

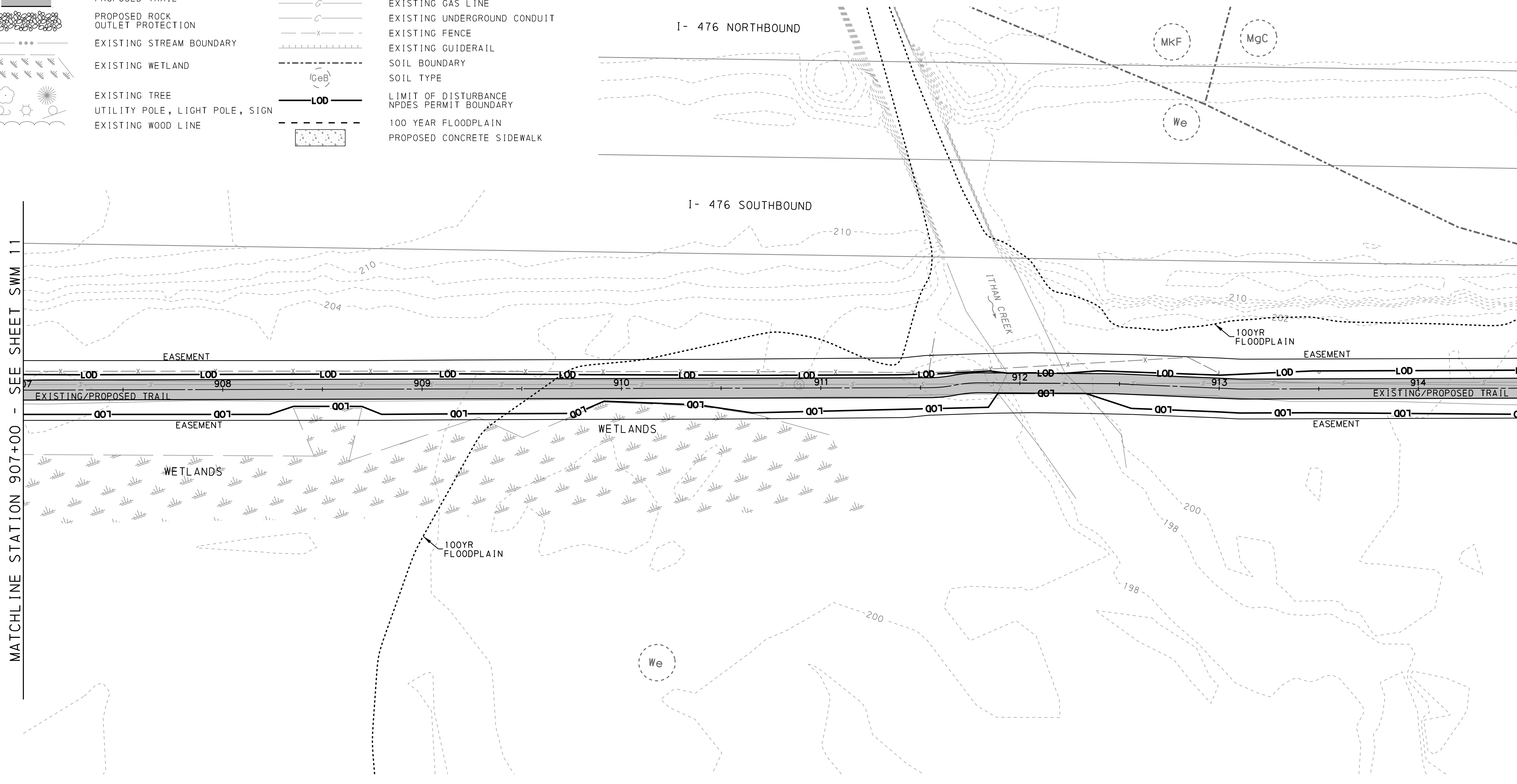
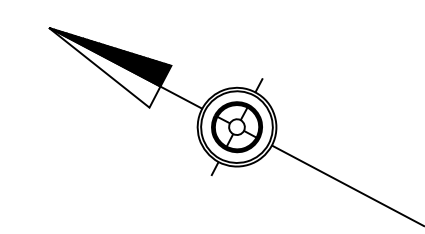
A. D. MARBLE
FILE NAME: X:\Projects\1585\CADD\Plan\PCS\SWM Plan 12.dgn

LEGEND

- 375 --- EXISTING CONTOUR MAJOR
- 374 --- EXISTING CONTOUR MINOR
- 375 — PROPOSED CONTOUR MAJOR
- 374 — PROPOSED CONTOUR MINOR
- - - - - DRAINAGE AREA BOUNDARY
- [Pattern] PROPOSED TRAIL
- [Pattern] PROPOSED ROCK OUTLET PROTECTION
- [Pattern] EXISTING STREAM BOUNDARY
- [Pattern] EXISTING WETLAND
- [Symbol] EXISTING TREE
- [Symbol] UTILITY POLE, LIGHT POLE, SIGN
- [Symbol] EXISTING WOOD LINE
- P — EXISTING RIGHT-OF-WAY
- S — EXISTING SANITARY SEWER
- T — EXISTING UNDERGROUND TELEPHONE
- E — EXISTING ELECTRIC LINE
- W — EXISTING WATER LINE
- G — EXISTING GAS LINE
- C — EXISTING UNDERGROUND CONDUIT
- X — EXISTING FENCE
- G — EXISTING GUIDERAIL
- (GeB) — SOIL BOUNDARY
- (Soil) — SOIL TYPE
- LOD — LIMIT OF DISTURBANCE
- LOD — NPDES PERMIT BOUNDARY
- - - - - 100 YEAR FLOODPLAIN
- [Pattern] PROPOSED CONCRETE SIDEWALK

NOTES:
1. NO SWM FACILITY THIS SHEET.

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
6-0	DELAWARE	0030	RRT	27 OF 53
RADNOR TOWNSHIP				
REVISION NUMBER	REVISIONS	DATE	BY	

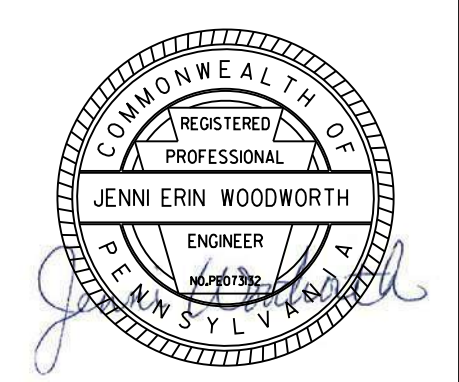


MATCHLINE STATION 907+00 - SEE SHEET SWM 11

MATCHLINE STATION 914+50 - SEE SHEET SWM 13

**POST CONSTRUCTION
STORMWATER MANAGEMENT PLAN**

0 25 50
SCALE IN FEET: 1"=25'



DESIGN BY: EBD CHECKED BY: JEW

DWG SWM-12 OF 25

11-12-2019

A. D. MARBLE
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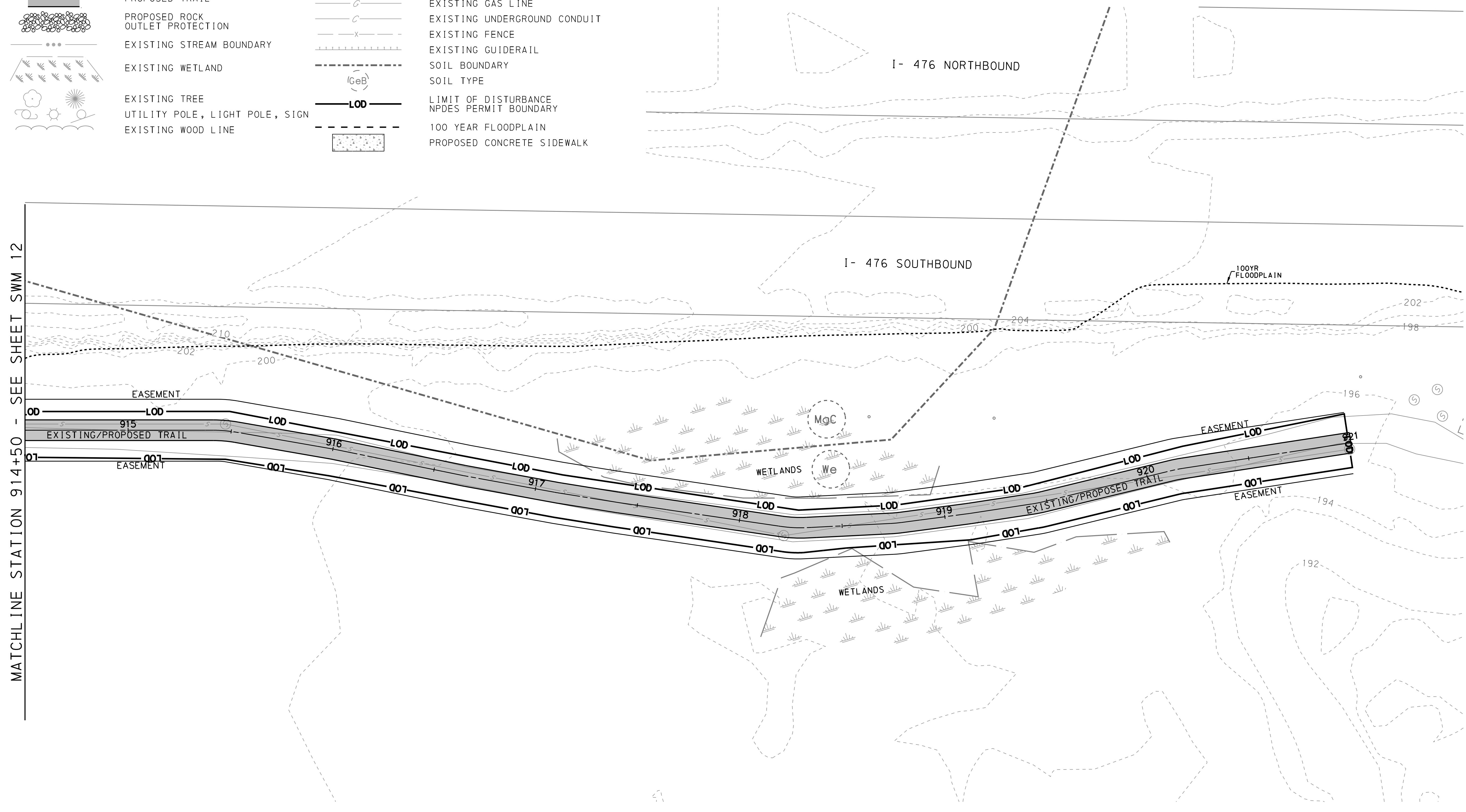
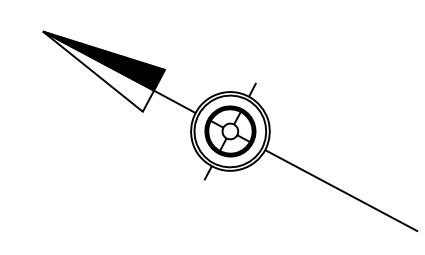
MATCHLINE STATION 914+50 - SEE SHEET SWM 12

LEGEND

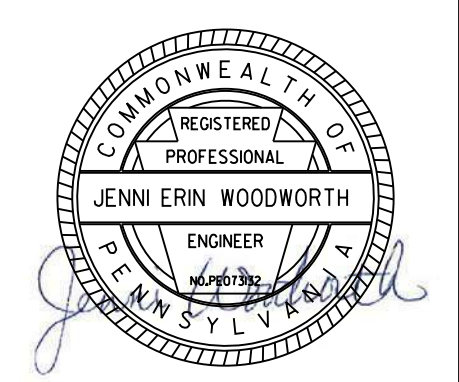
- | | | | |
|---------------------|---------------------------------|-----------------|--------------------------------|
| --- 375 --- | EXISTING CONTOUR MAJOR | ----- | EXISTING RIGHT-OF-WAY |
| --- 374 --- | EXISTING CONTOUR MINOR | -P- | EXISTING PROPERTY LINE |
| — 375 — | PROPOSED CONTOUR MAJOR | -S- | EXISTING SANITARY SEWER |
| — 374 — | PROPOSED CONTOUR MINOR | -T- | EXISTING UNDERGROUND TELEPHONE |
| - - - - - | DRAINAGE AREA BOUNDARY | -E- | EXISTING ELECTRIC LINE |
| [Shaded Area] | PROPOSED TRAIL | -W- | EXISTING WATER LINE |
| [Rock Pattern] | PROPOSED ROCK OUTLET PROTECTION | -G- | EXISTING GAS LINE |
| [Dotted Line] | EXISTING STREAM BOUNDARY | -C- | EXISTING UNDERGROUND CONDUIT |
| [Wetland Pattern] | EXISTING WETLAND | -X- | EXISTING FENCE |
| [Tree Symbols] | EXISTING TREE | ----- | EXISTING GUIDERAIL |
| [Pole Symbols] | UTILITY POLE, LIGHT POLE, SIGN | (GeB) | SOIL BOUNDARY |
| [Wood Line Symbols] | EXISTING WOOD LINE | --- LOD --- | SOIL TYPE |
| | | [Stippled Area] | 100 YEAR FLOODPLAIN |
| | | | PROPOSED CONCRETE SIDEWALK |

NOTES:
 1. NO SWM FACILITIES THIS SHEET.

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
6-0	DELAWARE	0030	RRT	28 OF 53
RADNOR TOWNSHIP				
REVISION NUMBER	REVISIONS	DATE	BY	



POST CONSTRUCTION
 STORMWATER MANAGEMENT PLAN



DESIGN BY: EBD CHECKED BY: JEW

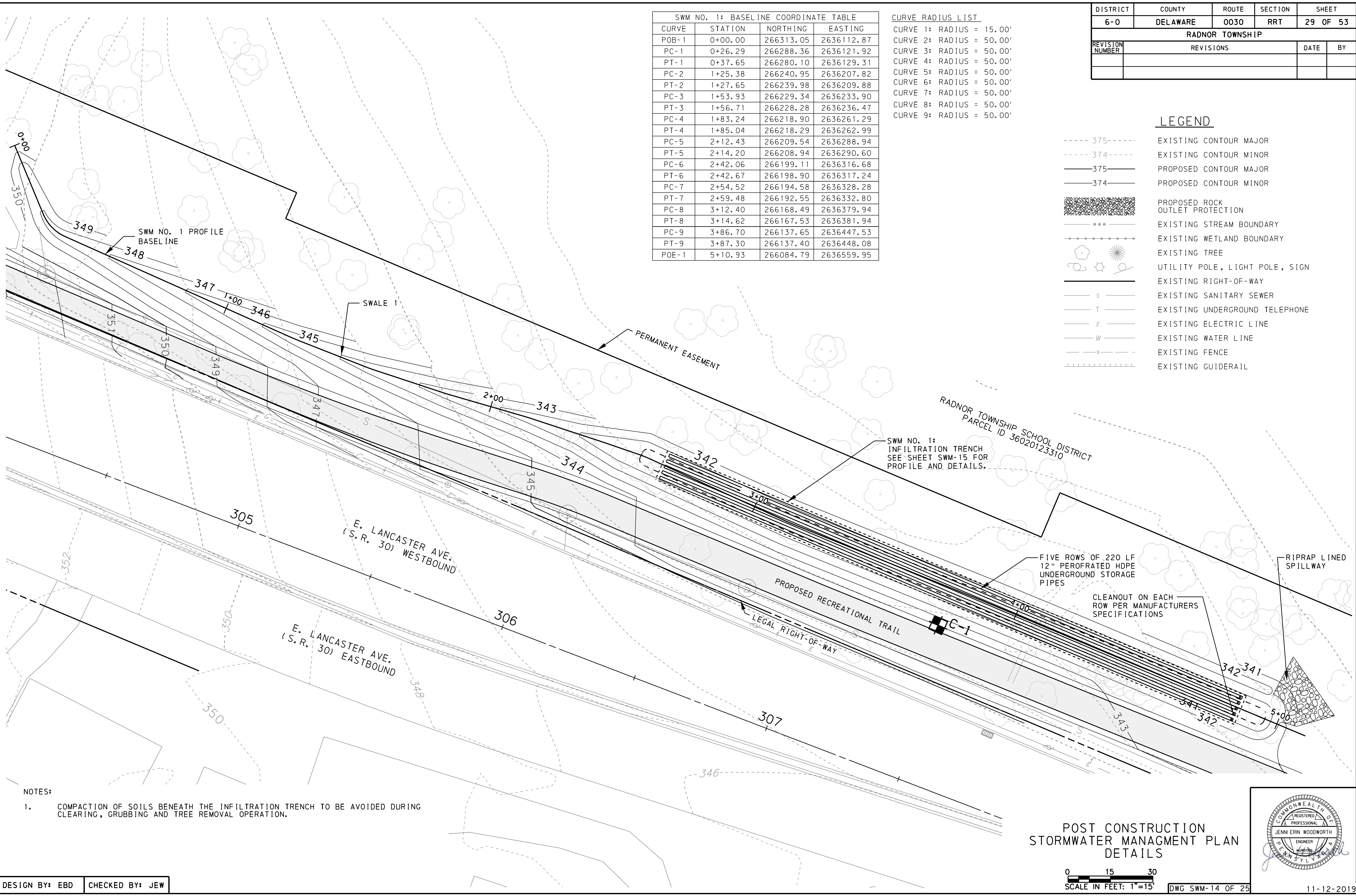
DISTRICT	COUNTY	ROUTE	SECTION	SHEET
6-0	DELAWARE	0030	RRT	29 OF 53
RADNOR TOWNSHIP				
REVISION NUMBER	REVISIONS	DATE	BY	

SWM NO. 1: BASELINE COORDINATE TABLE			
CURVE	STATION	NORTHING	EASTING
POB-1	0+00.00	266313.05	2636112.87
PC-1	0+26.29	266288.36	2636121.92
PT-1	0+37.65	266280.10	2636129.31
PC-2	1+25.38	266240.95	2636207.82
PT-2	1+27.65	266239.98	2636209.88
PC-3	1+53.93	266229.34	2636233.90
PT-3	1+56.71	266228.28	2636236.47
PC-4	1+83.24	266218.90	2636261.29
PT-4	1+85.04	266218.29	2636262.99
PC-5	2+12.43	266209.54	2636288.94
PT-5	2+14.20	266208.94	2636290.60
PC-6	2+42.06	266199.11	2636316.68
PT-6	2+42.67	266198.90	2636317.24
PC-7	2+54.52	266194.58	2636328.28
PT-7	2+59.48	266192.55	2636332.80
PC-8	3+12.40	266168.49	2636379.94
PT-8	3+14.62	266167.53	2636381.94
PC-9	3+86.70	266137.65	2636447.53
PT-9	3+87.30	266137.40	2636448.08
POE-1	5+10.93	266084.79	2636559.95

CURVE RADIUS LIST
 CURVE 1: RADIUS = 15.00'
 CURVE 2: RADIUS = 50.00'
 CURVE 3: RADIUS = 50.00'
 CURVE 4: RADIUS = 50.00'
 CURVE 5: RADIUS = 50.00'
 CURVE 6: RADIUS = 50.00'
 CURVE 7: RADIUS = 50.00'
 CURVE 8: RADIUS = 50.00'
 CURVE 9: RADIUS = 50.00'

- LEGEND**
- 375----- EXISTING CONTOUR MAJOR
 - 374----- EXISTING CONTOUR MINOR
 - 375----- PROPOSED CONTOUR MAJOR
 - 374----- PROPOSED CONTOUR MINOR
 - [Hatched Box] PROPOSED ROCK OUTLET PROTECTION
 - EXISTING STREAM BOUNDARY
 - EXISTING WETLAND BOUNDARY
 - [Tree Symbol] EXISTING TREE
 - [Pole Symbol] UTILITY POLE, LIGHT POLE, SIGN
 - S ----- EXISTING RIGHT-OF-WAY
 - T ----- EXISTING SANITARY SEWER
 - E ----- EXISTING UNDERGROUND TELEPHONE
 - W ----- EXISTING ELECTRIC LINE
 - X ----- EXISTING WATER LINE
 - X ----- EXISTING FENCE
 - X ----- EXISTING GUIDERAIL

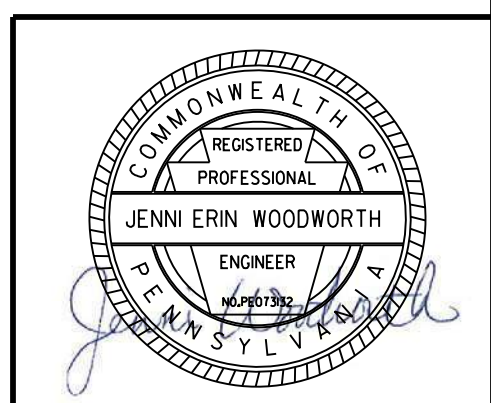
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NOTES:
 1. COMPACTION OF SOILS BENEATH THE INFILTRATION TRENCH TO BE AVOIDED DURING CLEARING, GRUBBING AND TREE REMOVAL OPERATION.

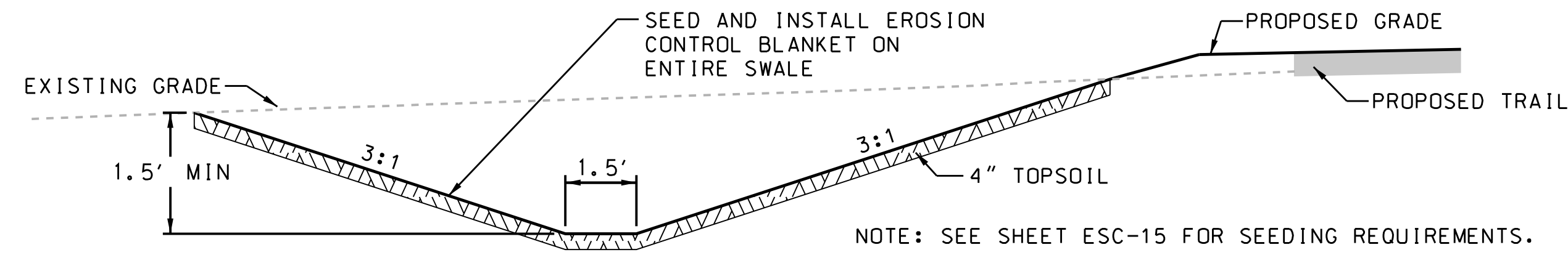
**POST CONSTRUCTION
 STORMWATER MANAGMENT PLAN
 DETAILS**

0 15 30
 SCALE IN FEET: 1"=15'

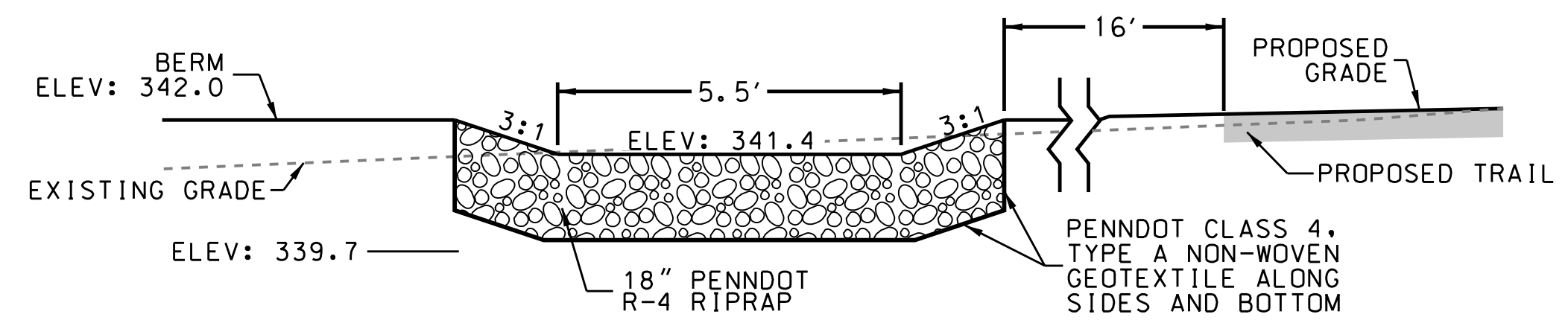


DESIGN BY: EBD CHECKED BY: JEW

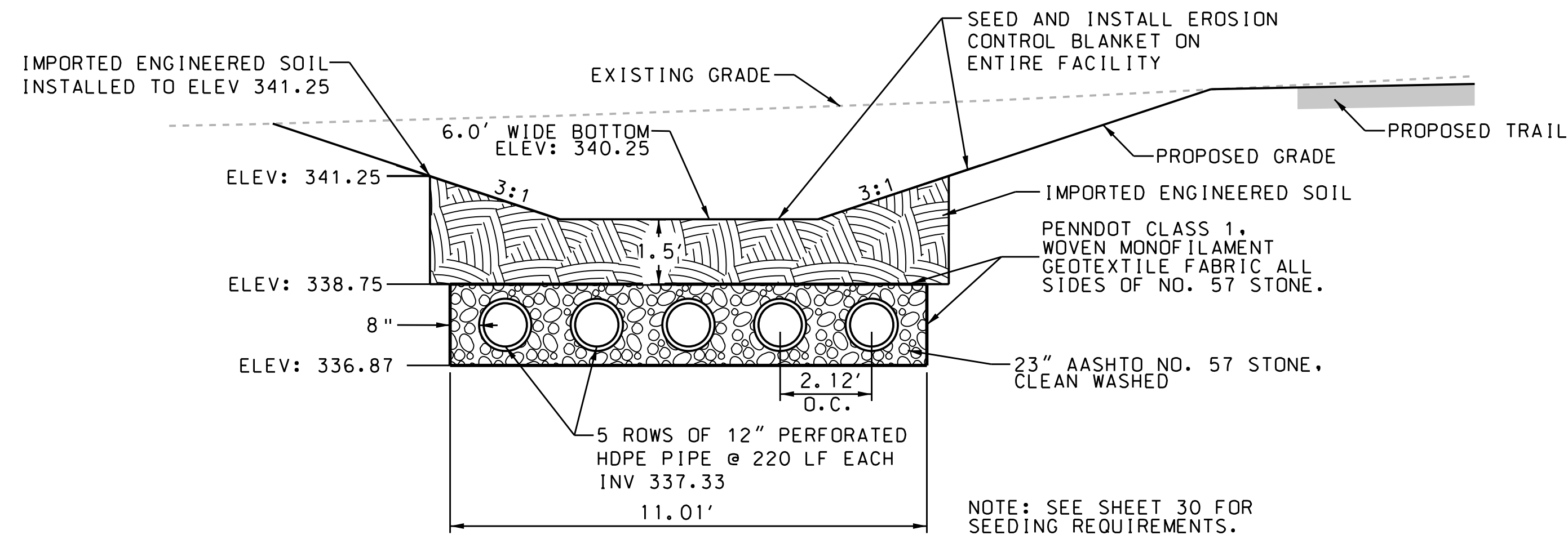
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6-0	DELAWARE	0030	RRT	30 OF 53
RADNOR TOWNSHIP				
REVISION NUMBER	REVISIONS	DATE	BY	



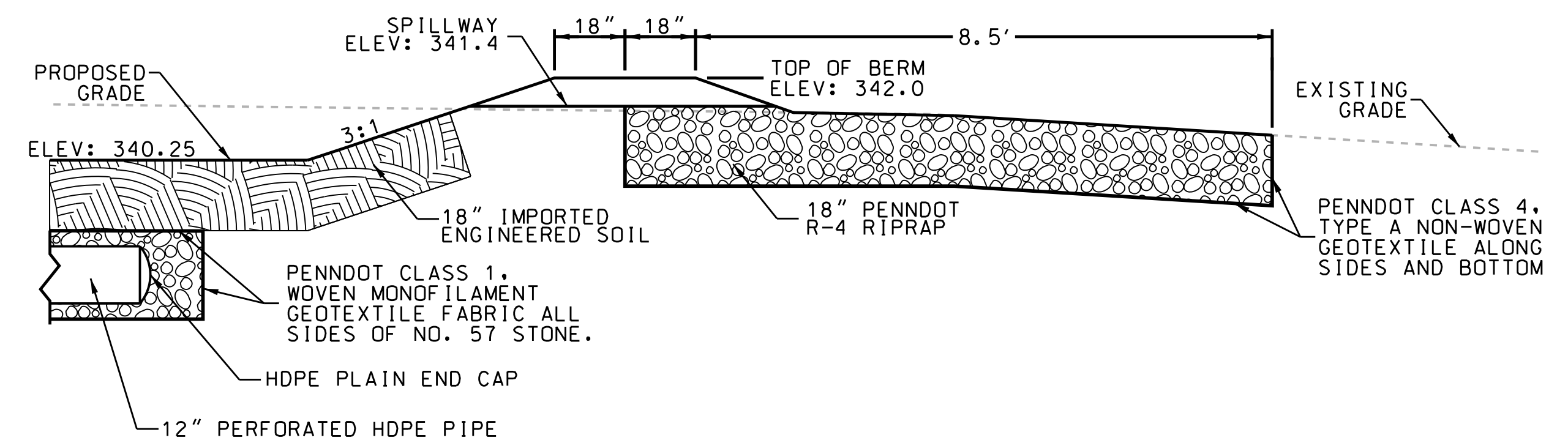
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NOT TO SCALE



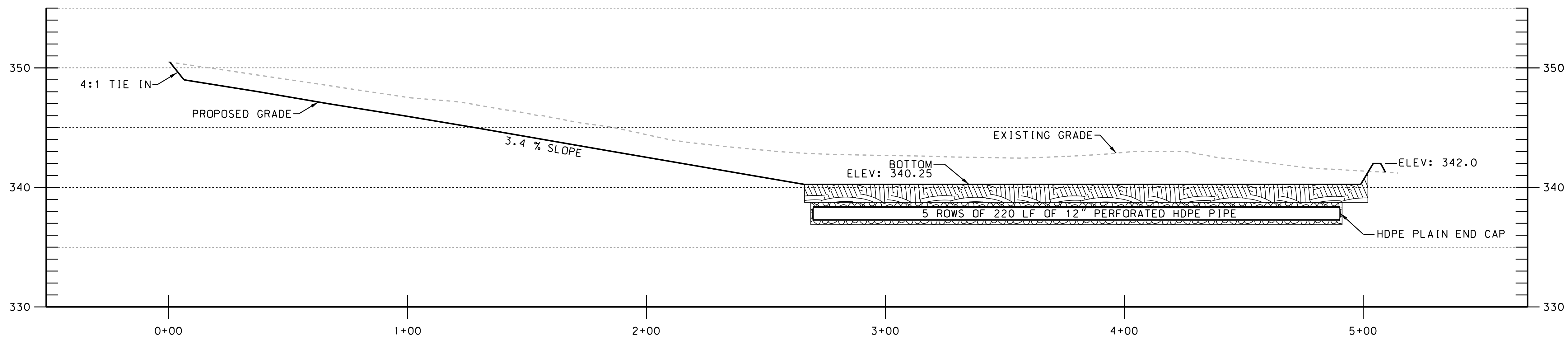
SWM FACILITY NO. 1 SPILLWAY DETAIL 1
NOT TO SCALE



SWM FACILITY NO. 1 TYPICAL SECTION
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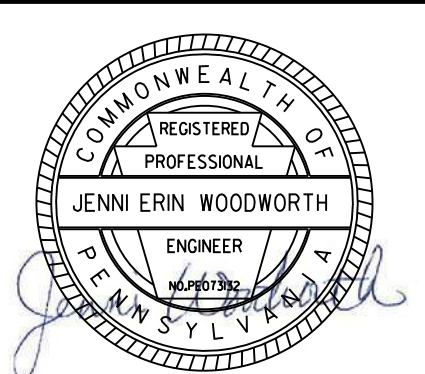


SWM FACILITY NO. 1 SPILLWAY DETAIL 2
NOT TO SCALE



SWM FACILITY NO. 1 PROFILE
HORIZONTAL SCALE: 1"=25'
VERTICAL SCALE 1"= 5'

POST CONSTRUCTION
STORMWATER MANAGMENT PLAN
DETAILS



10/9/2019 4:50:20 PM

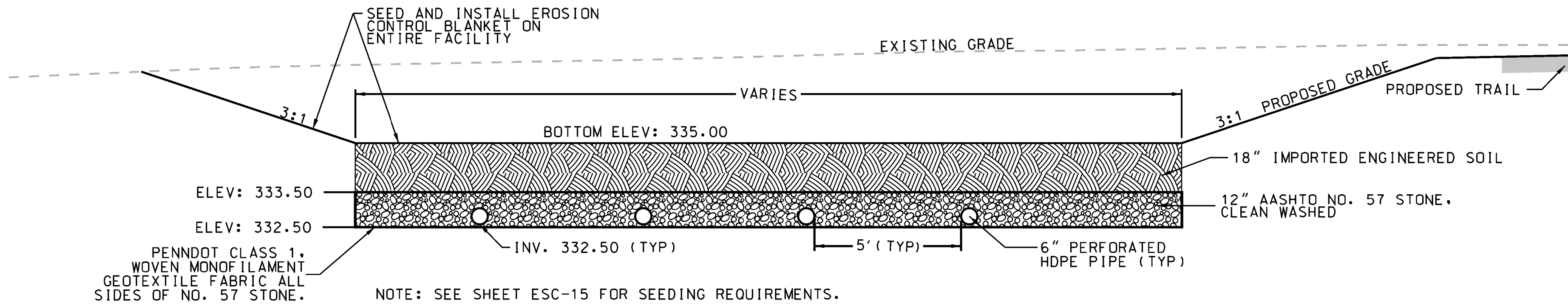
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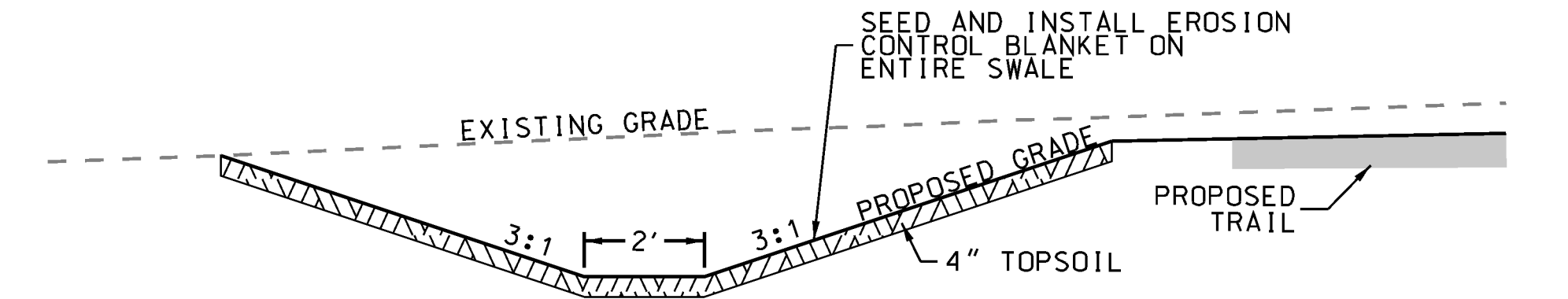
DWG SWM-15 OF 25

11-12-2019

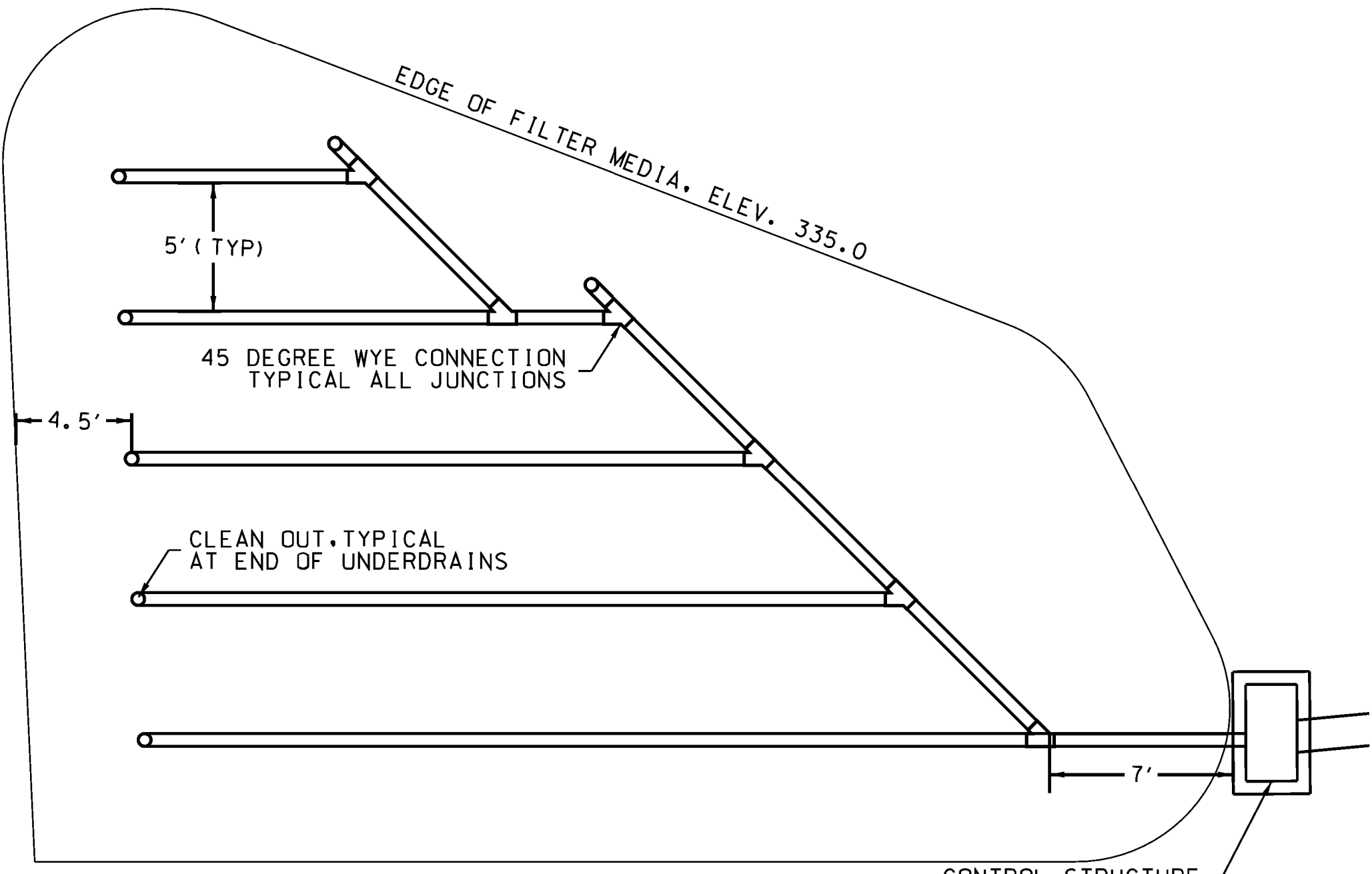
DISTRICT	COUNTY	ROUTE	SECTION	SHEET
6-0	DELAWARE	0030	RRT	32 OF 53
RADNOR TOWNSHIP				
REVISION NUMBER	REVISIONS	DATE	BY	
1	ADDENDUM 1	10/28/20	EBD	
2	ADDENDUM 2	11/02/20	EBD	



SWM FACILITY NO. 2 TYPICAL SECTION
NOT TO SCALE

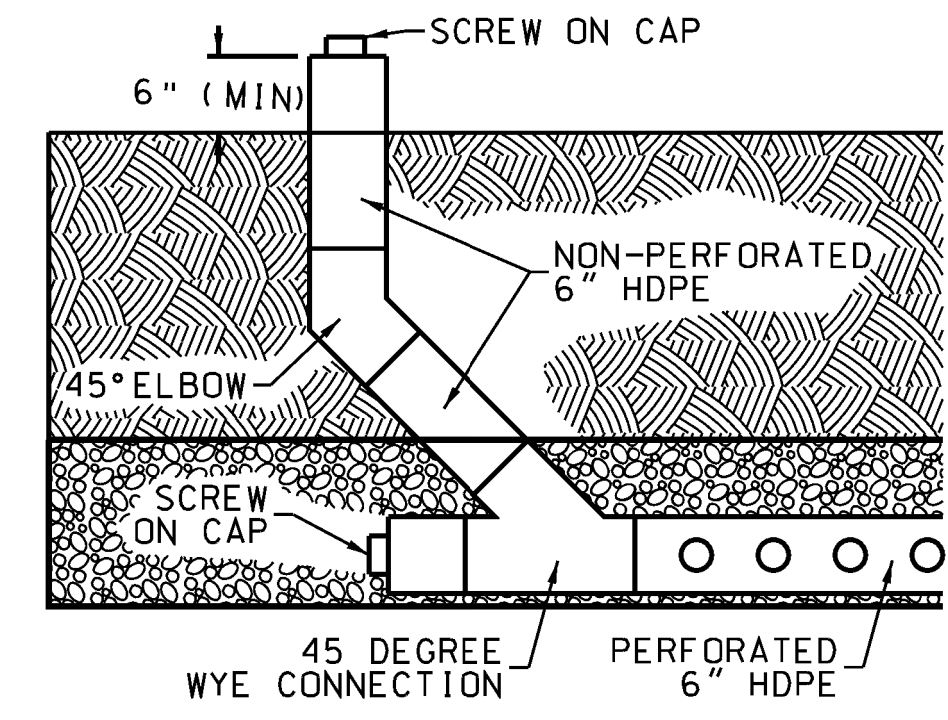


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NOT TO SCALE

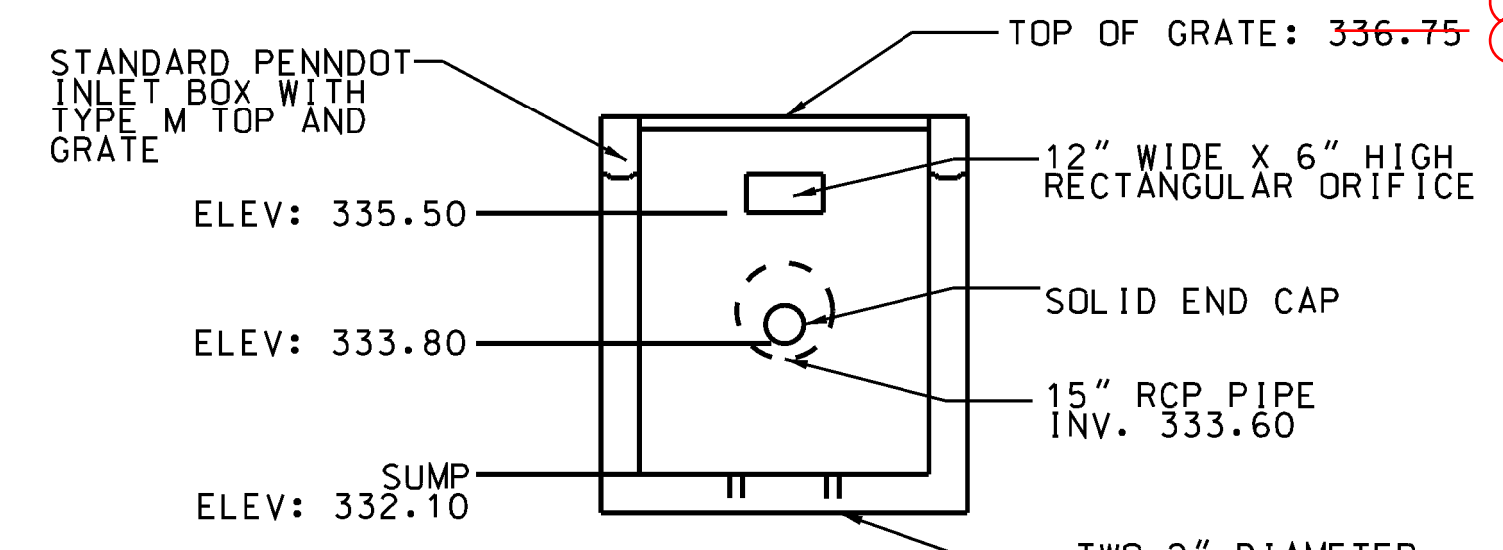


SWM FACILITY NO. 2 UNDERDRAIN NETWORK
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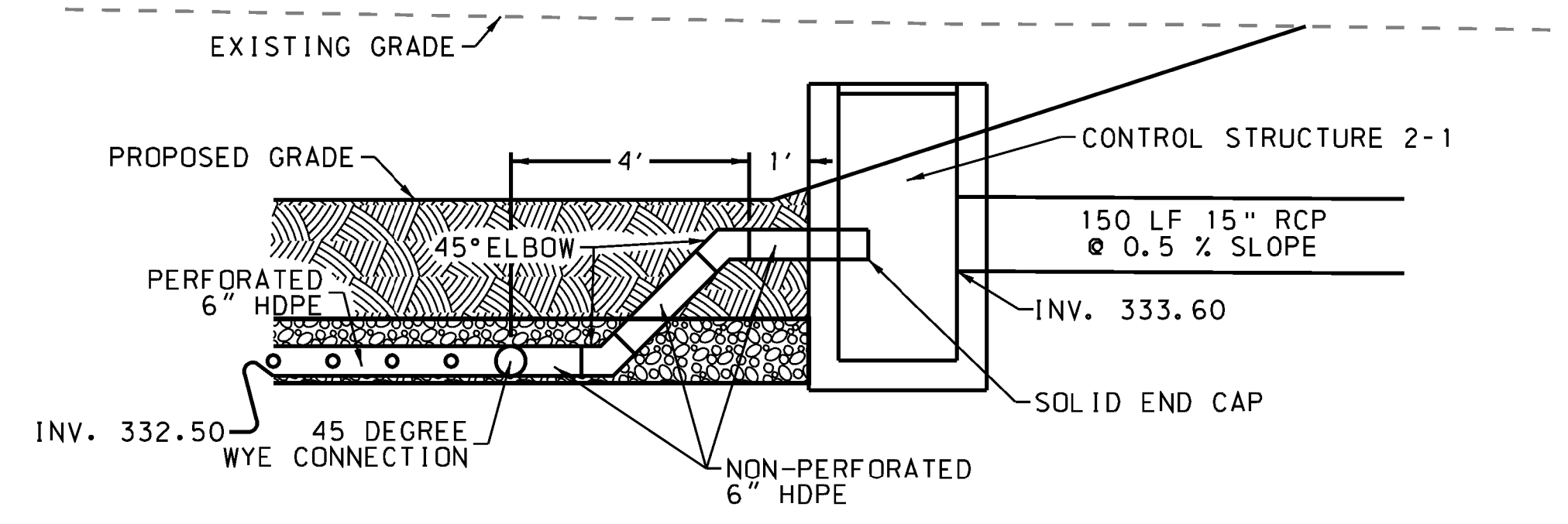
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CLEANOUT DETAIL
NOT TO SCALE
INSPECTION PORT
ITEM NUMBER: 9000-0024
NOT TO SCALE

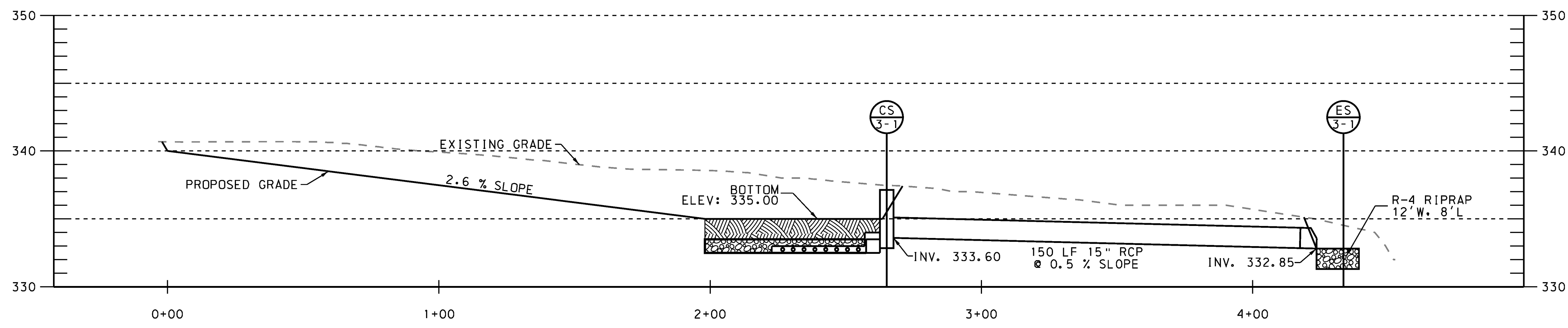


FRONT VIEW (CS 2-1)



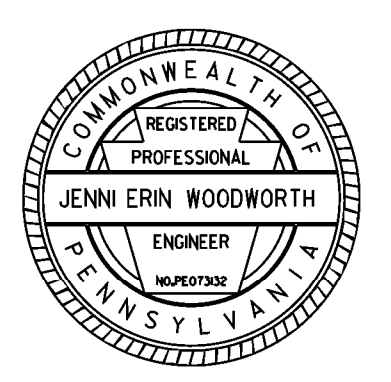
SIDE VIEW

SWM FACILITY NO. 2 CONTROL STRUCTURE (CS 2-1)
NOT TO SCALE



SWM FACILITY NO. 2 PROFILE
HORIZONTAL SCALE: 1"=25'
VERTICAL SCALE 1"= 5'

POST CONSTRUCTION
STORMWATER MANAGEMENT PLAN
DETAILS



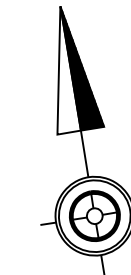
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A. D. MARBLE
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DESIGN BY: EBD CHECKED BY: JEW

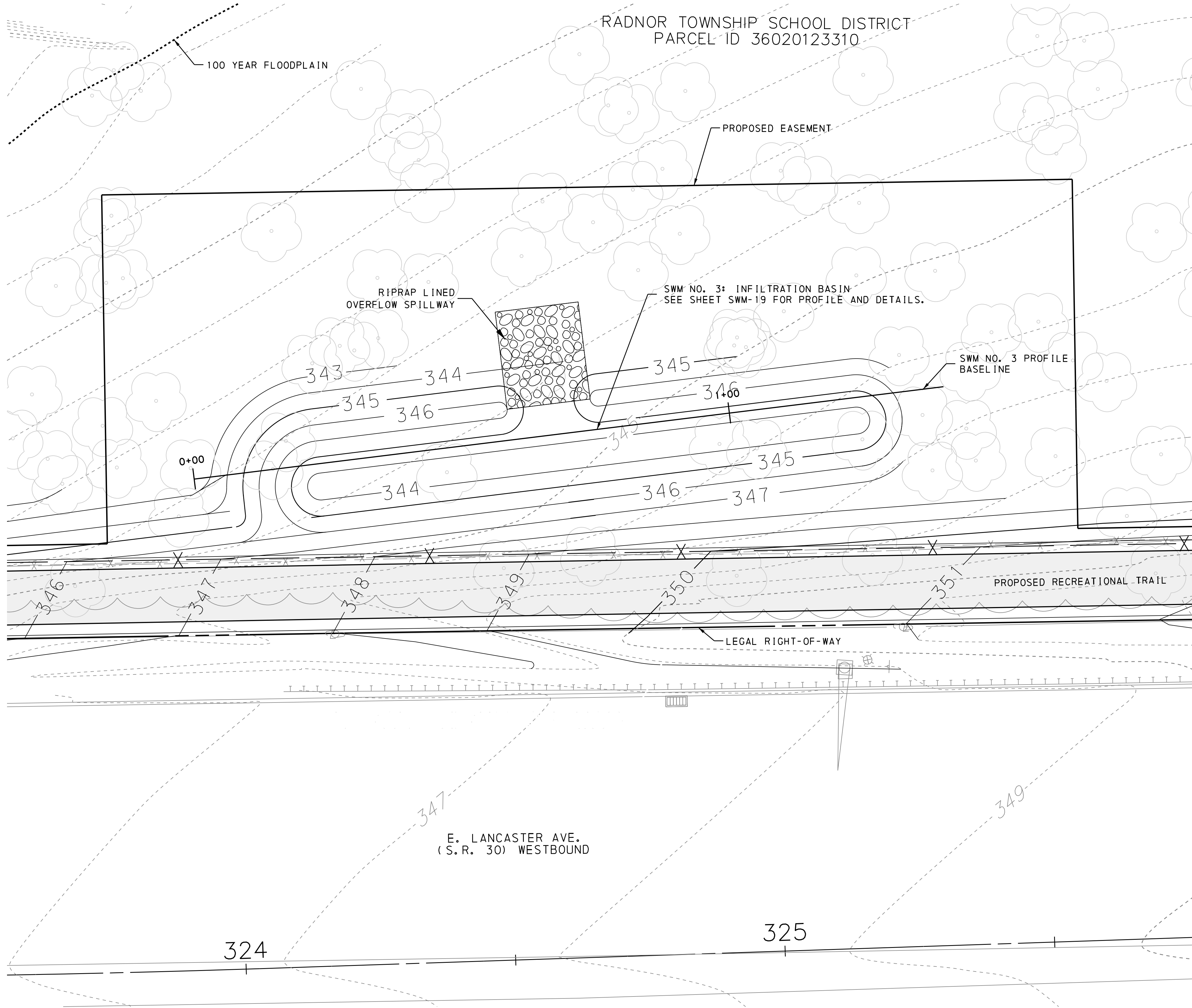
DISTRICT	COUNTY	ROUTE	SECTION	SHEET
6-0	DELAWARE	0030	RRT	33 OF 53
RADNOR TOWNSHIP				
REVISION NUMBER	REVISIONS	DATE	BY	

RADNOR TOWNSHIP SCHOOL DISTRICT
PARCEL ID 36020123310



LEGEND

- 375----- EXISTING CONTOUR MAJOR
- 374----- EXISTING CONTOUR MINOR
- 375----- PROPOSED CONTOUR MAJOR
- 374----- PROPOSED CONTOUR MINOR
- [Hatched Box] PROPOSED ROCK OUTLET PROTECTION
- EXISTING STREAM BOUNDARY
- EXISTING WETLAND BOUNDARY
- [Tree Symbol] EXISTING TREE
- [Pole Symbol] UTILITY POLE, LIGHT POLE, SIGN
- EXISTING RIGHT-OF-WAY
- S--- EXISTING SANITARY SEWER
- T--- EXISTING UNDERGROUND TELEPHONE
- E--- EXISTING ELECTRIC LINE
- W--- EXISTING WATER LINE
- X--- EXISTING FENCE
- EXISTING GUIDERAIL



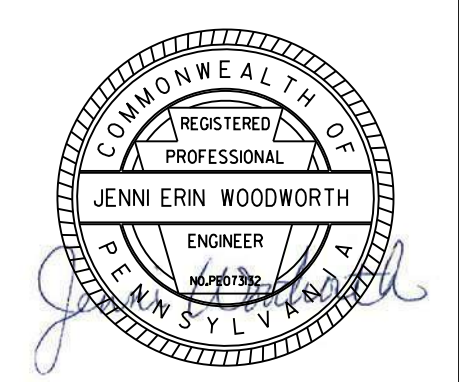
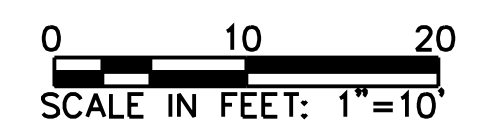
SWM NO. 3: BASELINE COORDINATE TABLE

POINT	STATION	NORTHING	EASTING
POB-1	0+00.00	265615.33	2637969.22
POE-1	1+40.00	265609.28	2638109.09

- NOTES:
1. COMPACTION OF SOILS BENEATH THE INFILTRATION BASIN TO BE AVOIDED DURING CLEARING, GRUBBING AND TREE REMOVAL OPERATION.

E. LANCASTER AVE.
(S.R. 30) WESTBOUND

POST CONSTRUCTION
STORMWATER MANAGEMENT PLAN
DETAILS



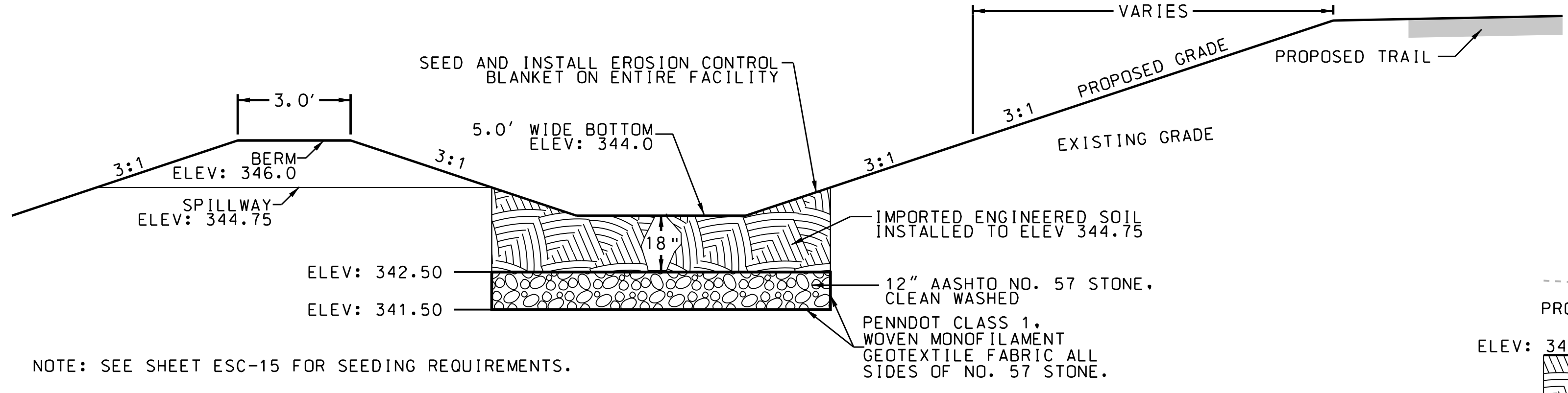
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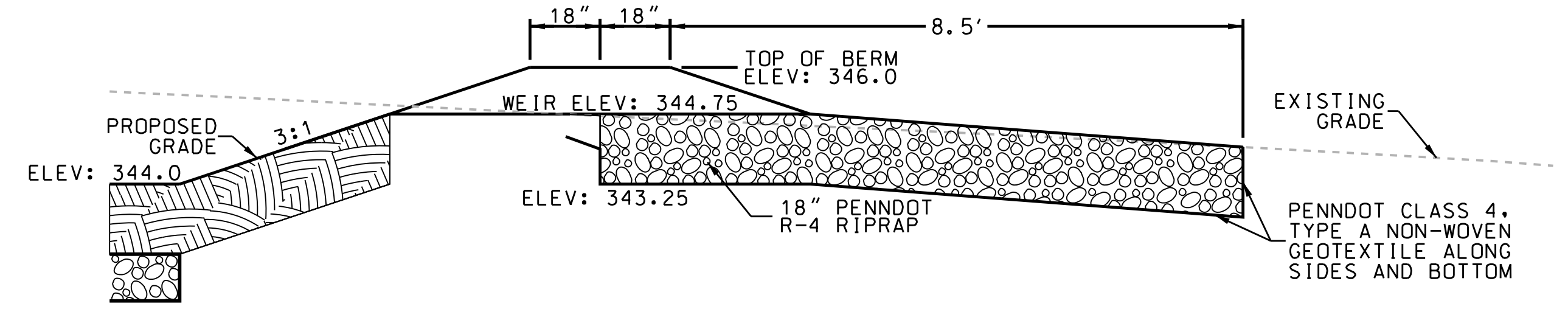
DISTRICT	COUNTY	ROUTE	SECTION	SHEET	
6-0	DELAWARE	0030	RRT	34 OF 53	
RADNOR TOWNSHIP					
REVISION NUMBER	REVISIONS			DATE	BY

PLOTTED: 10/9/2019 4:50:24 PM

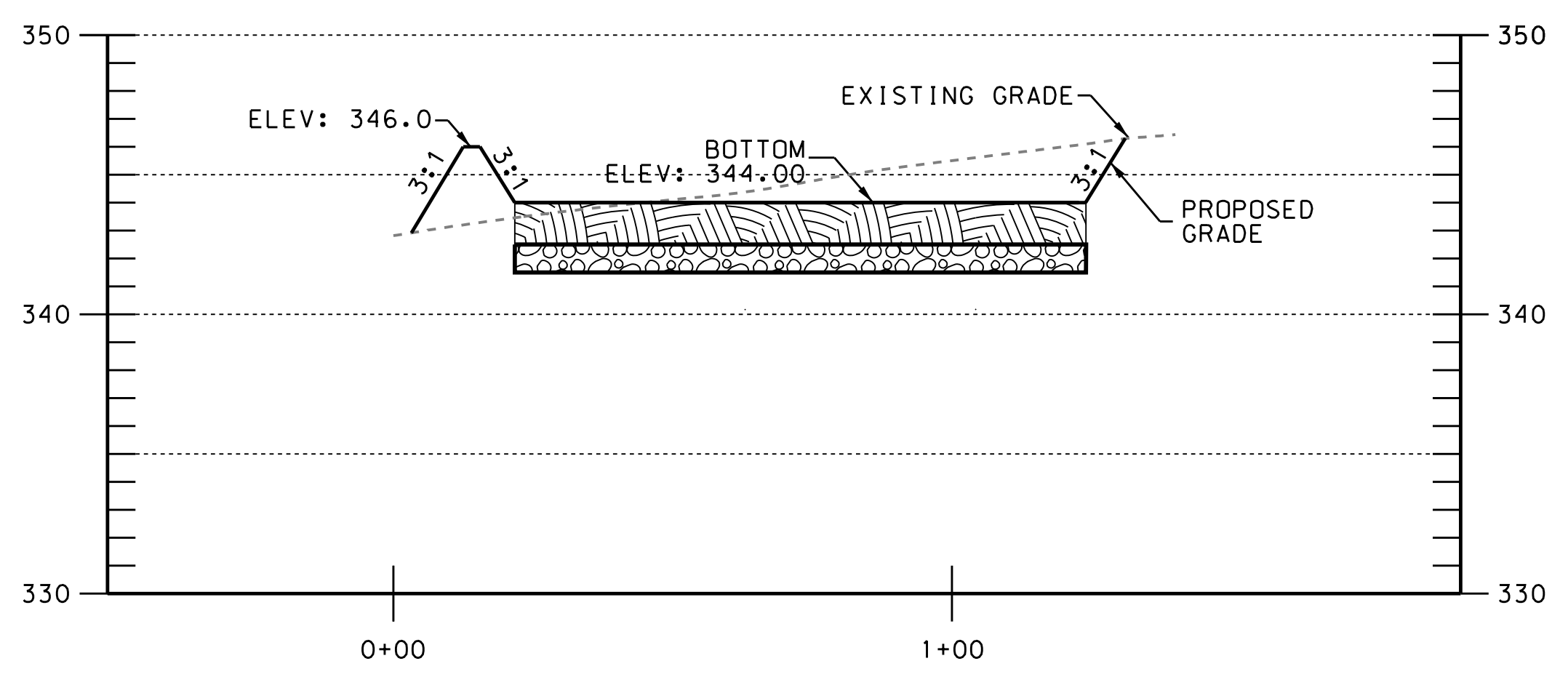


NOTE: SEE SHEET ESC-15 FOR SEEDING REQUIREMENTS.

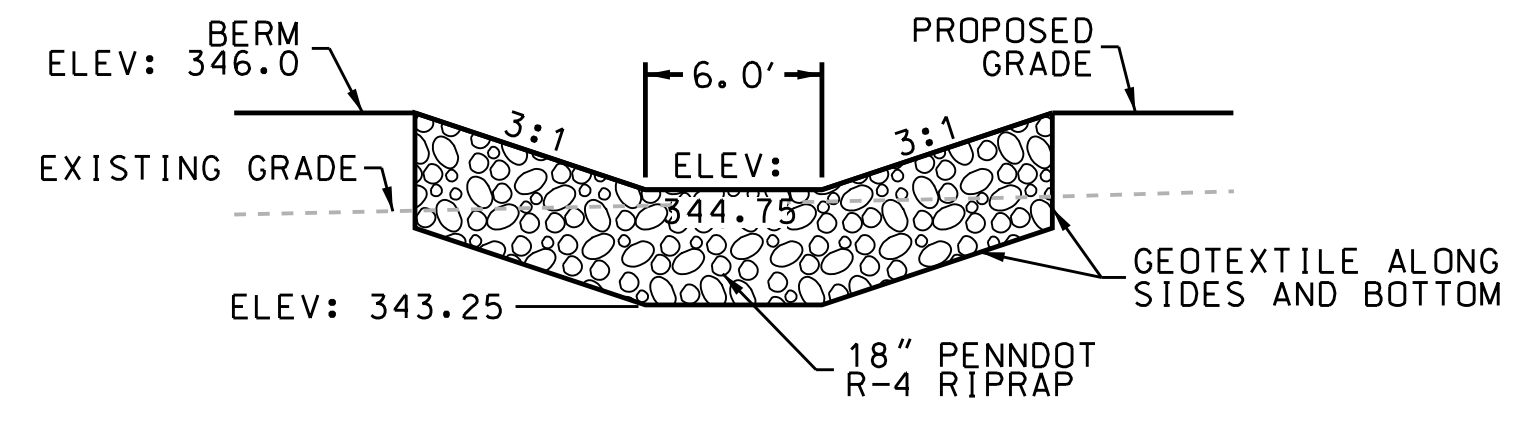
SWM FACILITY NO. 3 TYPICAL SECTION
NOT TO SCALE



SWM FACILITY NO. 3 SPILLWAY DETAIL 2
NOT TO SCALE

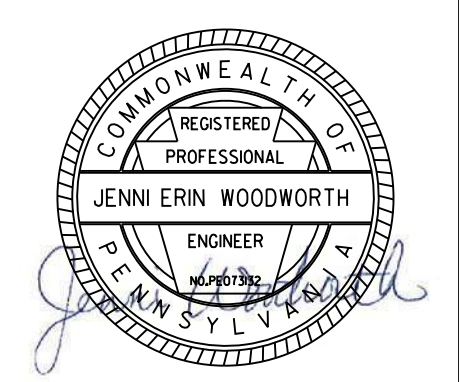


SWM FACILITY NO. 3 PROFILE
HORIZONTAL SCALE: 1"=25'
VERTICAL SCALE 1"= 5'



SWM FACILITY NO. 3 SPILLWAY DETAIL 1
NOT TO SCALE

POST CONSTRUCTION
STORMWATER MANAGEMENT PLAN
DETAILS



A. D. MARBLE

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DESIGN BY: EBD CHECKED BY: JEW

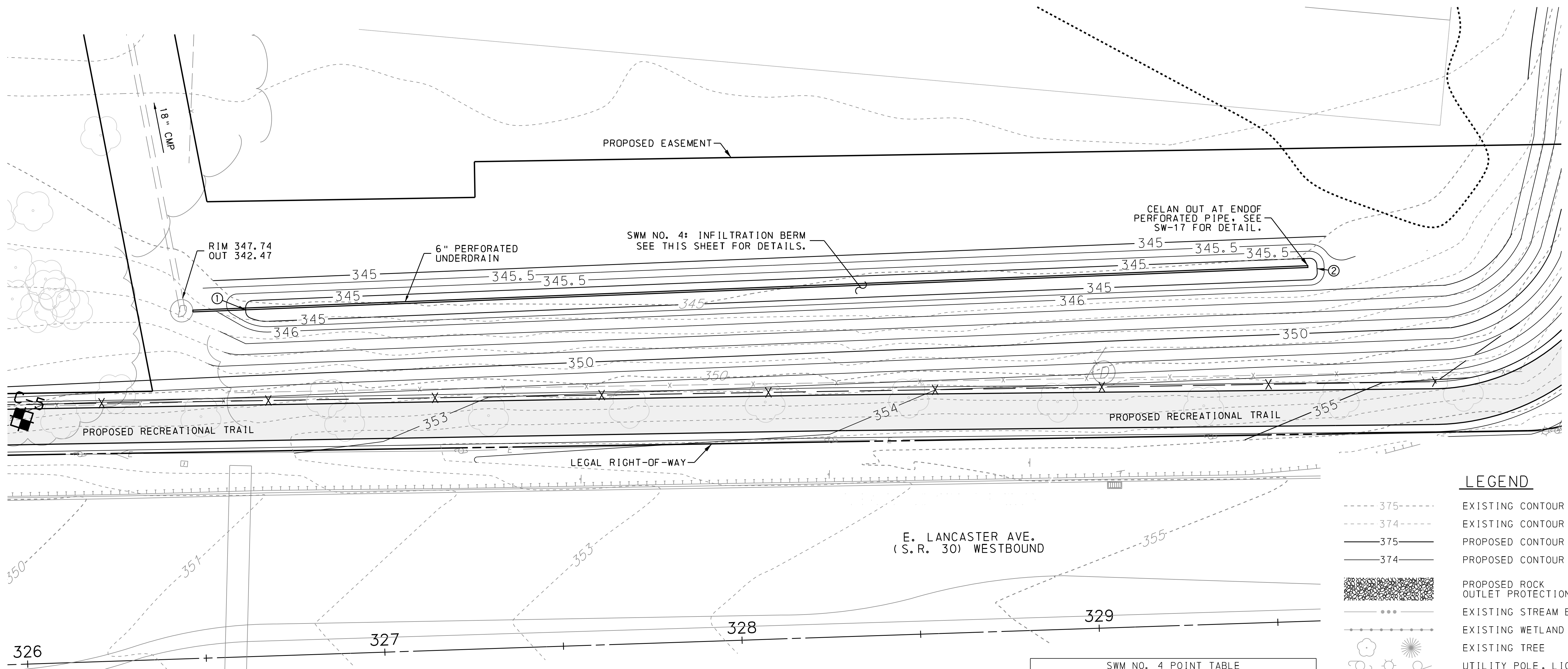
DISTRICT	COUNTY	ROUTE	SECTION	SHEET
6-0	DELAWARE	0030	RRT	35 OF 53
RADNOR TOWNSHIP				
REVISION NUMBER	REVISIONS	DATE	BY	

NOTES:

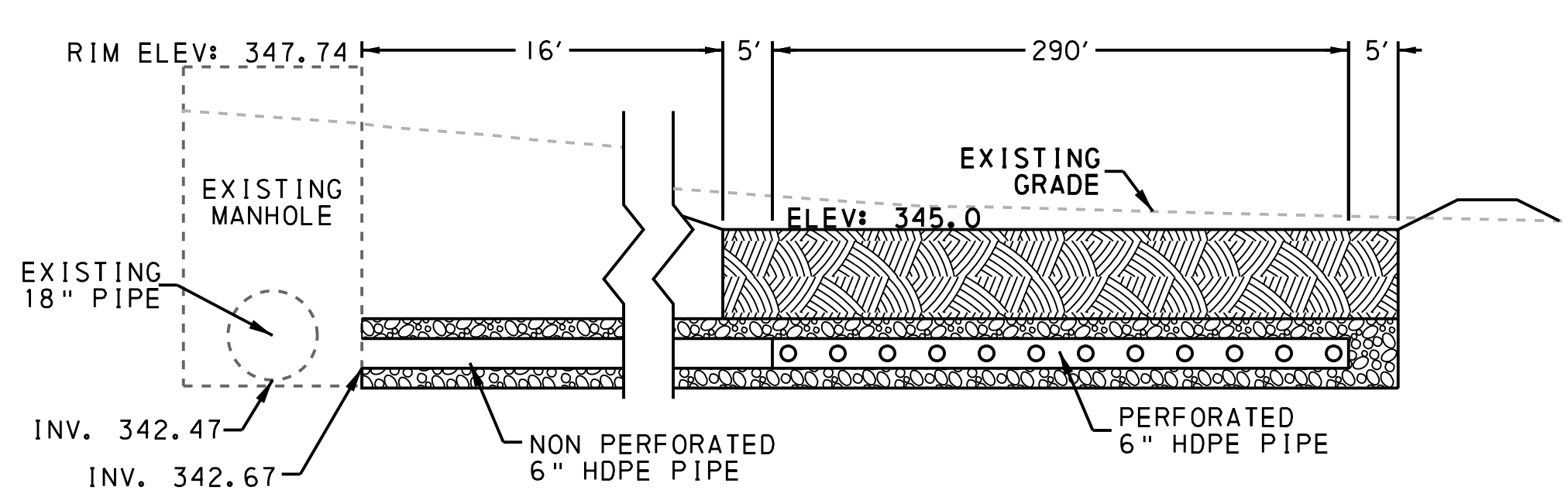
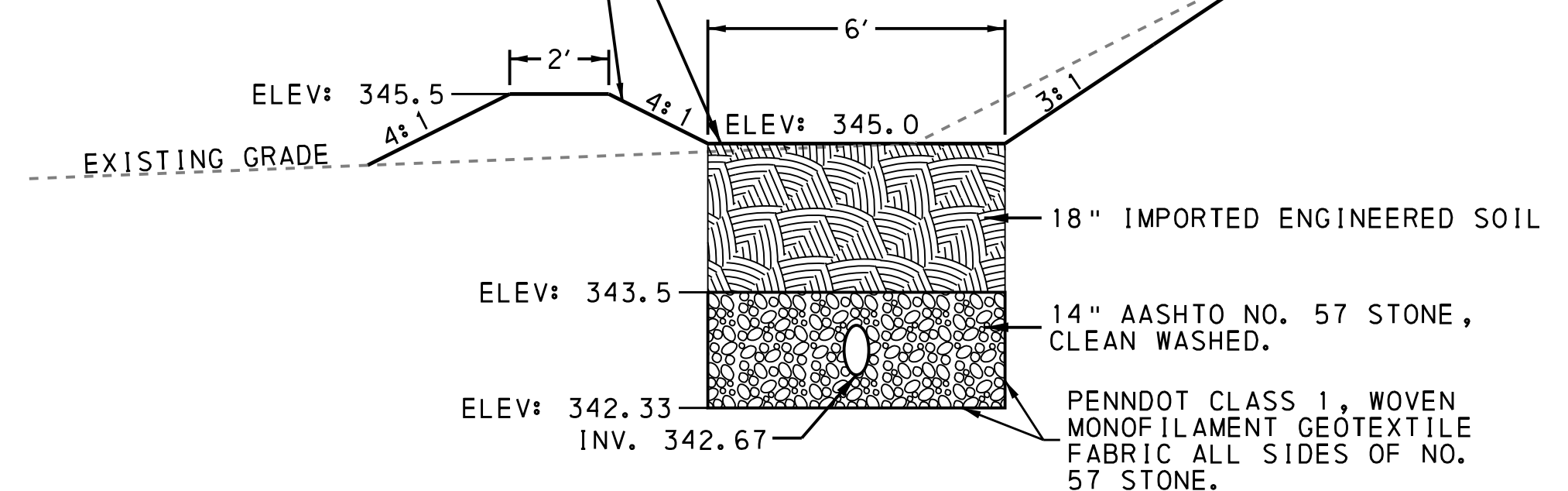
1. COMPACTION OF SOILS BENEATH THE INFILTRATION BERM TO BE AVOIDED DURING CLEARING, GRUBBING AND TREE REMOVAL OPERATION.

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A. D. MARBLE
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SEED AND INSTALL EROSION CONTROL BLANKET ON ENTIRE FACILITY AND BERM
NOTE: SEE SHEET ESC-15 FOR SEEDING REQUIREMENTS.

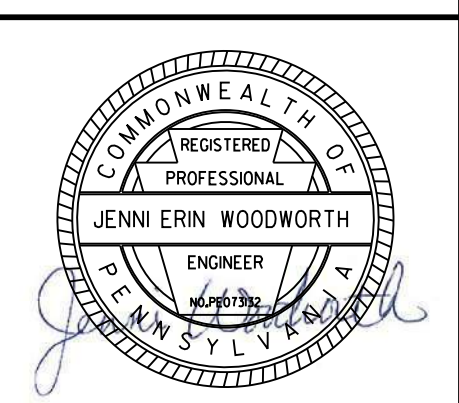


POINT	ELEVATION	NORTHING	EASTING
1	334.50	265,547.21	2,638,536.07
2	334.50	265,585.37	2,638,238.50

LEGEND

- 375 --- EXISTING CONTOUR MAJOR
- 374 --- EXISTING CONTOUR MINOR
- 375 --- PROPOSED CONTOUR MAJOR
- 374 --- PROPOSED CONTOUR MINOR
- [Hatched Box] PROPOSED ROCK OUTLET PROTECTION
- --- EXISTING STREAM BOUNDARY
- --- EXISTING WETLAND BOUNDARY
- [Tree Symbol] EXISTING TREE
- [Pole Symbol] UTILITY POLE, LIGHT POLE, SIGN
- --- EXISTING RIGHT-OF-WAY
- S --- EXISTING SANITARY SEWER
- T --- EXISTING UNDERGROUND TELEPHONE
- E --- EXISTING ELECTRIC LINE
- W --- EXISTING WATER LINE
- X --- EXISTING FENCE
- --- EXISTING GUIDERAIL

POST CONSTRUCTION STORMWATER MANAGEMENT PLAN DETAILS



DESIGN BY: EBD CHECKED BY: JEW

SEQUENCE OF CONSTRUCTION

GENERAL NOTES:

- 1. PROCEED WITH ALL EARTH DISTURBANCE ACTIVITIES IN ACCORDANCE WITH THE FOLLOWING SEQUENCE. COMPLETE IN COMPLIANCE WITH CHAPTER 102 REGULATIONS. LIMIT CLEARING, GRUBBING, AND TOPSOIL STRIPPING TO AREAS DESCRIBED. MANY TREES IN THE WORK AREA ARE NOT BEING REMOVED, ESPECIALLY OUTSIDE THE GRADING LIMITS BUT INSIDE THE AREA WHERE LINEAR EROSION AND SEDIMENT CONTROL PRACTICES ARE TO BE INSTALLED. CLEARING IN THESE AREAS IS TO BE LIMITED TO ONLY THE AREA REQUIRED TO INSTALL THESE PRACTICES, GENERALLY COMPOST FILTER SOCK. ROOT PRUNING WILL BE REQUIRED ON THE EDGES OF TRENCHING AND CUT SLOPES TO PROTECT THE TREES THAT ARE REMAINING.
2. AT LEAST 10 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, INCLUDING CLEARING AND GRUBBING, INVITE ALL CONTRACTORS INVOLVED IN THOSE ACTIVITIES, ALL APPROPRIATE MUNICIPAL OFFICIALS, THE E&S PLAN PREPARER, A REPRESENTATIVE FROM THE DELAWARE COUNTY CONSERVATION DISTRICT, AND A REPRESENTATIVE FROM THE PA DEP SOUTHEAST REGIONAL OFFICE TO SCHEDULE AN ON-SITE PRE-CONSTRUCTION MEETING.
3. AT LEAST 3 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, OR EXPANDING INTO AN AREA PREVIOUSLY UNMARKED, NOTIFY THE PENNSYLVANIA ONE CALL SYSTEM INC. AT 1-800-242-1776 FOR THE LOCATION OF EXISTING UNDERGROUND UTILITIES.
4. IMMEDIATELY IMPLEMENT APPROPRIATE BEST MANAGEMENT PRACTICES TO ELIMINATE THE POTENTIAL FOR ACCELERATED EROSION AND SEDIMENT POLLUTION UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION, AND NOTIFY THE DELAWARE COUNTY CONSERVATION DISTRICT AND/OR PA DEP.
5. IMMEDIATELY SEED, MULCH, OR OTHERWISE PROTECT THE SITE FROM ACCELERATED EROSION AND SEDIMENTATION UPON TEMPORARY CESSATION OF ANY EARTH DISTURBANCE OR ANY STAGE OR PHASE OF ANY ACTIVITIES WHERE A CESSATION OF EARTH DISTURBANCE ACTIVITIES EXCEEDS 4 DAYS PENDING FUTURE EARTH DISTURBANCE ACTIVITIES.
6. THE SEQUENCE OF CONSTRUCTION HAS BEEN BROKEN DOWN BY PROJECT AREA. THE FIRST AREA IS THE WORK ADJACENT TO RADNOR HIGH SCHOOL (ESC SHEETS 1-9). THE SECOND IS THE WEST WAYNE PRESERVE WHICH IS ADJACENT TO THE FRIENDS OF RADNOR TRAIL PARK (ESC SHEET 10). THE FINAL AREA IS THE WORK AREA PARALLEL TO I-476 (SHEETS 11-13). WORK IN THESE AREA MAY BE DONE IN ANY ORDER OR SIMULTANEOUSLY.
7. DETAILS FOR CONSTRUCTING AND MAINTAINING EROSION AND SEDIMENT CONTROL BMP'S ARE LOCATED ON SHEETS ESC 14-20 OF THE EROSION AND SEDIMENT CONTROL PLAN. A COPY OF THE APPROVED DRAWINGS (STAMPED, SIGNED AND DATED BY THE REVIEWING AGENCY) MUST BE AVAILABLE AT THE PROJECT SITE AT ALL TIMES.

RADNOR HIGH SCHOOL AND RADNOR CHESTER ROAD

- 1. CONDUCT ON-SITE PRE-CONSTRUCTION MEETING.
2. FIELD-MARK LIMITS OF DISTURBANCE. INSTALL CONSTRUCTION FENCE ALONG LOD.
3. INSTALL ROCK CONSTRUCTION ENTRANCES FOLLOWED BY COMPOST FILTER SOCK AND INLET PROTECTION AS SHOWN ON THE PLANS. EROSION AND SEDIMENT CONTROL PRACTICES DO NOT NEED TO BE INSTALLED FOR THE ENTIRE PROJECT AREA AND MAY BE DONE INCREMENTALLY WITH THE APPROVAL OF THE CONSERVATION DISTRICT AS LONG AS ALL DISTURBED AREAS ARE PROTECTED WITH CONTROL MEASURES AS SHOWN ON THE PLANS.
4. PERFORM CLEARING AND GRUBBING FOR CONSTRUCTION AREA. THIS SHOULD BE LIMITED TO THE AREAS THAT WILL BE GRADED AND SHOULD NOT INCLUDE AREAS OUTSIDE OF THE GRADING LIMITS. ROOT PRUNING SHALL BE PERFORMED ALONG THE EDGES OF ALL TRENCHING AND CUT AREAS TO PROTECT THE EXISTING TREES INSIDE AND OUTSIDE THE LOD THAT ARE TO REMAIN. REMOVE THE FIRST 3" OF TOPSOIL AS SHOWN ON PLANS AND STOCKPILE FOR LATER USE DURING FINAL GRADING. EXCESS SOIL THAT CANNOT BE STORED ON SITE IS TO BE REMOVED FROM THE SITE.
5. CONSTRUCT VEGETATED SWALES AS SHOWN ON SWM 14-17. SEE THIS SHEET FOR SWM BMP SEQUENCE OF CONSTRUCTION.
6. PERFORM ROUGH GRADING FOR THE TRAIL.
7. PAVE THE TRAIL AS SHOWN ON THE PAVING PLANS AND COMPLETE FINE GRADING.
8. CONSTRUCT INFILTRATION TRENCH, INFILTRATION BASINS, AND INFILTRATION BERM AS DETAILED ON SWM 14-20. THESE SWM FACILITIES CAN BE CONSTRUCTED IN ANY ORDER OR CONCURRENTLY. SEE THIS SHEET FOR CONSTRUCTION SEQUENCE OF INDIVIDUAL BMPS. COMPACTION OF INFILTRATION AREAS SHALL BE AVOIDED.
9. ESTABLISH PERMANENT SEEDING IN ALL EARTH DISTURBED AREAS AS REMOVE ALL TEMPORARY EROSION AND SEDIMENT POLLUTION CONTROL DEVICES WHEN A UNIFORM 70% PERENNIAL VEGETATIVE COVER HAS BEEN ESTABLISHED THROUGHOUT. AREAS DISTURBED DURING REMOVAL OF THE CONTROLS MUST BE STABILIZED IMMEDIATELY.
10. IF ANY DISTURBED AREAS CANNOT BE PERMANENTLY STABILIZED IMMEDIATELY OR IF GRADING OPERATION ARE INTERRUPTED FOR MORE THAN 4 DAYS, INTERIM STABILIZATION MEASURES WILL BE IMPLEMENTED. INTERIM MEASURES CONSIST OF SEEDING WITH FORMULA E, ANNUAL RYE GRASS, AND MULCHING WITH HAY. ALTERNATIVE INTERIM MEASURES MAY BE USED ONLY IF APPROVED BY THE ENGINEER.

SEQUENCE OF CONSTRUCTION (CONTINUED)

WEST WAYNE PRESERVE

- 1. CONDUCT ON-SITE PRE-CONSTRUCTION MEETING.
2. FIELD-MARK LIMITS OF DISTURBANCE. INSTALL CONSTRUCTION FENCE ALONG LOD, AND WETLAND.
3. INSTALL ROCK CONSTRUCTION ENTRANCE FOLLOWED BY COMPOST FILTER SOCK AND INLET PROTECTION.
4. PERFORM CLEARING AND GRUBBING FOR CONSTRUCTION AREA. THIS SHOULD BE LIMITED TO THE AREAS THAT WILL BE GRADED AND SHOULD NOT INCLUDE AREAS OUTSIDE OF THE GRADING LIMITS. ROOT PRUNING SHALL BE PERFORMED ALONG THE LIMITS OF ALL TRENCHING AND CUT AREAS TO PROTECT THE EXISTING TREES INSIDE AND OUTSIDE THE LOD THAT ARE TO REMAIN. CONSTRUCTION EQUIPMENT IS NOT PERMITTED IN THE AREA OF THE BOTTOM OF THE INFILTRATION BASIN. REMOVE THE FIRST 3" OF TOPSOIL AS SHOWN ON PLANS AND STOCKPILE FOR LATER USE DURING FINAL GRADING. EXCESS SOIL THAT CANNOT BE STORED ONSITE IS TO BE REMOVED FROM THE SITE.
5. INSTALL VEGETATED SWALE IN ACCORDANCE WITH SWM 21-22. SEE THIS SHEET FOR BMP SPECIFIC CONSTRUCTION SEQUENCE.
6. CONSTRUCT INFILTRATION BASIN AS SHOWN ON SHEET SWM 21-22. SEE THIS SHEET FOR BMP SPECIFIC CONSTRUCTION SEQUENCE.
7. ESTABLISH PERMANENT SEEDING IN ALL EARTH DISTURBED AREAS AS REMOVE ALL TEMPORARY EROSION AND SEDIMENT POLLUTION CONTROL DEVICES WHEN A UNIFORM 70% PERENNIAL VEGETATIVE COVER HAS BEEN ESTABLISHED THROUGHOUT. AREAS DISTURBED DURING REMOVAL OF THE CONTROLS MUST BE STABILIZED IMMEDIATELY.
8. IF ANY DISTURBED AREAS CANNOT BE PERMANENTLY STABILIZED IMMEDIATELY OR IF GRADING OPERATION ARE INTERRUPTED FOR MORE THAN 4 DAYS, INTERIM STABILIZATION MEASURES WILL BE IMPLEMENTED. INTERIM MEASURES CONSIST OF SEEDING WITH FORMULA E, ANNUAL RYE GRASS, AND MULCHING WITH HAY. ALTERNATIVE INTERIM MEASURES MAY BE USED ONLY IF APPROVED BY THE ENGINEER.

CONSTRUCTION SEQUENCE OF PERMANENT STORMWATER BMPS

- 1. STEPS MARKED AS CRITICAL STAGES SHALL BE INSPECTED DURING CONSTRUCTION BY A PROFESSIONAL KNOWLEDGEABLE IN THE DESIGN AND CONSTRUCTION OF POST CONSTRUCTION STORMWATER MANAGEMENT BMPS.

VEGETATED SWALES 1-3

- 1. ROUGH GRADE THE VEGETATED SWALES. AVOID EXCESS COMPACTION.
2. CRITICAL STAGE. FINE GRADE THE VEGETATED SWALES. ENSURE GRADING IS CONSISTENT WITH PCSM PLANS. REGRADE AS REQUIRED. IF SUBGRADE HAS BEEN COMPACTED DURING TREE REMOVAL; STEPS SHOULD BE TAKEN TO CORRECT, SUCH AS TILLING OR AERATING.
3. CRITICAL STAGE. SEED, VEGETATE AND INSTALL PROTECTIVE LINING AS PER E&S DETAILS. ENSURE PLANTING AND PROTECTIVE LINING IS CONSISTENT WITH PLAN DETAILS.
4. ONCE ALL TRIBUTARY AREAS ARE SUFFICIENTLY STABILIZED, REMOVE TEMPORARY EROSION AND SEDIMENT CONTROLS. IT IS VERY IMPORTANT THAT THE SWALE BE STABILIZED BEFORE RECEIVING UPLAND STORMWATER RUNOFF.

INFILTRATION BASIN (SWM NO.3 AND SWM NO.5)

- 1. PROTECT INFILTRATION BASIN AREA PRIOR TO COMPACTION
2. CRITICAL STAGE. EXCAVATE BASIN BOTTOM AS SHOWN ON PLANS. ENSURE THE SUBGRADE IS FREE FROM ROCKS AND DEBRIS AND UNCOMPACTED.
3. CRITICAL STAGE. INSTALL ENGINEERED SOIL. ENSURE SOIL REMAINS UNCOMPACTED. CONSTRUCT BASIN BERMS AND EMERGENCY SPILLWAYS. INSTALL OUTLET CONTROL STRUCTURES. IF SUBGRADE HAS BEEN COMPACTED DURING TREE REMOVAL; CORRECTIVE STEPS SHOULD BE TAKEN.
4. SEED AND STABILIZE TOPSOIL.
5. DO NOT REMOVE EROSION AND SEDIMENT CONTROL MEASURES UNTIL SITE IS FULLY STABILIZED.

INFILTRATION TRENCH (SWM NO. 1)

- 1. PROTECT INFILTRATION TRENCH AREA FROM COMPACTION PRIOR TO INSTALLATION.
2. CRITICAL STAGE. EXCAVATE INFILTRATION TRENCH BOTTOM TO A UNIFORM SUBGRADE. ENSURE TRENCH BOTTOM IS UNIFORM, LEVEL, AND FREE FROM ROCKS. DO NOT COMPACT SUBGRADE. IF SUBGRADE HAS BEEN COMPACTED DURING TREE REMOVAL; STEPS SHOULD BE TAKEN TO CORRECT, SUCH AS TILLING OR AERATING.
3. CRITICAL STAGE. PLACE GEOTEXTILE ALONG BOTTOM AND SIDES OF TRENCH. FOLD BACK AND SECURE EXCESS GEOTEXTILE DURING STONE PLACEMENT.
4. CRITICAL STAGE. PLACE STONE AND HDPE PIPE IN TRENCH.
5. CRITICAL STAGE. FOLD AND SECURE GEOTEXTILE OVER INFILTRATION TRENCH, WITH A MINIMUM OVERLAP OF 16-INCHES.
6. CRITICAL STAGE. PLACE ENGINEERED SOIL ON TOP OF TRENCH.
7. BUILD EMBANKMENTS AS REQUIRED. SEED AND STABILIZE TOPSOIL.
8. DO NOT REMOVE EROSION AND SEDIMENT CONTROL MEASURES UNTIL SITE IS FULLY STABILIZED.

CONSTRUCTION SEQUENCE OF PERMANENT STORMWATER BMPS (CONTINUED)

EXTENDED RELEASE BASIN (SWM. 2)

- 1. PROTECT EXTENDED RELEASE BASIN FROM COMPACTION PRIOR TO INSTALLATION.
2. CRITICAL STAGE. EXCAVATE BASIN BOTTOM. SUBGRADE SHOULD BE UNCOMPACTED AND FREE FROM ROCKS AND DEBRIS. IF SUBGRADE HAS BEEN COMPACTED DURING TREE REMOVAL; CORRECTIVE STEPS SHOULD BE TAKEN.
3. CRITICAL STAGE. INSTALL OUTLET PIPE AND CONTROL STRUCTURES.
4. CRITICAL STAGE. INSTALL STONE AND HDPE PIPE.
5. CRITICAL STAGE. INSTALL ENGINEERED SOIL.
6. CONSTRUCT EMERGENCY SPILLWAY.

INFILTRATION BERM (SWM. 4)

- 1. PROTECT INFILTRATION BERM FROM COMPACTION PRIOR TO INSTALLATION.
2. CRITICAL STAGE. INSTALL 6" NON PERFORATED HDPE PIPE AND CONNECT TO EXISTING MANHOLE.
3. CRITICAL STAGE. EXCAVATE TRENCH BOTTOM. THE SUBGRADE SHOULD BE FLAT, FREE FROM DEBRIS, AND UNCOMPACTED.
4. CRITICAL STAGE. INSTALL GEOTEXTILE ALONG BOTTOM AND SIDES OF TRENCH. FOLD BACK AND SECURE EXCESS GEOTEXTILE DURING STONE PLACEMENT. (CS)
5. CRITICAL STAGE. INSTALL STONE AND PERFORATED PIPE.
6. CRITICAL STAGE. FOLD AND SECURE GEOTEXTILE OVER TRENCH, WITH A MINIMUM OF 16" OVERLAP.
7. CRITICAL STAGE. INSTALL IMPORTED ENGINEERED SOIL
8. CONSTRUCT BERM.
9. SEED AND STABILIZE AREA.
10. DO NOT REMOVE EROSION AND CONTROL MEASURES UNTIL SITE IS FULLY STABILIZED.

INSPECTION AND MAINTENANCE SCHEDULE

VEGETATED SWALES:

MAINTENANCE ACTIVITIES TO BE DONE ANNUALLY AND WITHIN 48 HOURS AFTER EVERY MAJOR STORM EVENT (>1 INCH RAINFALL DEPTH)

- INSPECT AND CORRECT EROSION PROBLEMS, DAMAGE TO VEGETATION, AND SEDIMENT AND DEBRIS.
ACCUMULATION (ADDRESS WHEN > 3 INCHES AT ANY SPOT OR COVERING VEGETATION.
INSPECT VEGETATION ON SIDE SLOPES FOR EROSION AND FORMATION OF RILLS OR GULLIES, CORRECT AS NEEDED.
INSPECT FOR POOLS OF STANDING WATER; DEWATER AND DISCHARGE TO AN APPROVED LOCATION AND RESTORE TO DESIGN GRADE.
MOW AND TRIM VEGETATION TO ENSURE SAFETY, AESTHETICS, PROPER SWALE OPERATION, OR TO SUPPRESS WEEDS AND INVASIVE VEGETATION; DISPOSE OF CUTTINGS IN A LOCAL COMPOSTING FACILITY; MOW ONLY WHEN SWALE IS DRY TO AVOID RUTTING.
INSPECT FOR LITTER; REMOVE PRIOR TO MOWING.
INSPECT FOR UNIFORMITY IN CROSS-SECTION AND LONGITUDINAL SLOPE, CORRECT AS NEEDED.
INSPECT SWALE INLET (CURB CUTS, PIPES, ETC.) AND OUTLET FOR SIGNS OF EROSION OR BLOCKAGE, CORRECT AS NEEDED.

MAINTENANCE ACTIVITIES TO BE DONE AS NEEDED:

- PLANT ALTERNATIVE GRASS SPECIES IN EVENT OF UNSUCCESSFUL ESTABLISHMENT.
ROTOTILL AND REPLANT SWALE IF DRAWN DOWN TIME IS MORE THAN 48 HOURS.
INSPECT AND CORRECT CHECK DAMS WHEN SIGNS OF ALTERED WATER FLOW (CHANNELIZATION, OBSTRUCTIONS, EROSION, ETC.) ARE IDENTIFIED.
WATER DURING DRY PERIODS, FERTILIZE, AND APPLY PESTICIDE ONLY WHEN ABSOLUTELY NECESSARY.

SUBSURFACE TRENCH:

- CATCH BASINS AND INLETS SHOULD BE INSPECTED AND CLEANED AT LEAST TWO TIMES PER YEAR.
THE VEGETATION ALONG THE SURFACE OF THE INFILTRATION TRENCH SHOULD BE MAINTAINED IN GOOD CONDITIONS, AND ANY BARE SPOTS REVEGETATED AS SOON AS POSSIBLE.
VEHICLES SHOULD NOT BE PARKED OR RIVEN ON A VEGETATED INFILTRATION TRENCH, AND CARE SHOULD BE TAKEN TO AVOID EXCESSIVE COMPACTION BY MOWERS.

INFILTRATION BASIN:

- CATCH BASINS AND INLETS (UPGRADIENT OF INFILTRATION BASIN) SHOULD BE INSPECTED AND CLEANED AT LEAST TWO TIMES PER YEAR AND AFTER RUNOFF EVENTS.
THE VEGETATION ALONG THE SURFACE OF THE INFILTRATION BASIN SHOULD BE MAINTAINED IN GOOD CONDITION, AND ANY BARE SPOTS REVEGETATED AS SOON AS POSSIBLE.
VEHICLES SHOULD NOT BE PARKED OR DRIVEN ON AN INFILTRATION BASIN, AND CARE SHOULD BE TAKEN TO AVOID EXCESSIVE COMPACTION BY MOWERS.
INSPECT THE BASIN AFTER RUNOFF EVENTS AND MAKE SURE THAT RUNOFF DRAINS DOWN WITHIN 72 HOURS. MOSQUITO'S SHOULD NOT BE A PROBLEM IF WATER DRAINS IN 72 HOURS. MOSQUITOES REQUIRE A CONSIDERABLY LONG BREEDING PERIOD WITH RELATIVELY STATIC WATER LEVELS.
ALSO INSPECT FOR ACCUMULATION OF SEDIMENT, DAMAGE TO OUTLET CONTROL STRUCTURES, EROSION CONTROL MEASURES, SIGNS OF WATER CONTAMINATION/SPILLS, AND SLOPE STABILITY IN THE BERMS.
MOW ONLY AS APPROPRIATE FOR VEGETATIVE COVER SPECIES.
REMOVE ACCUMULATED SEDIMENT FROM BASIN AS REQUIRED. RESTORE ORIGINAL CROSS SECTION AND INFILTRATION RATE. PROPERLY DISPOSE OF SEDIMENT.

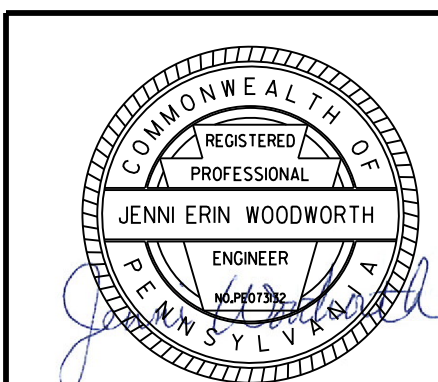
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A. D. MARBLE FILE NAME: \$FILENAME\$

DESIGN BY: EBD CHECKED BY: JEW

POST CONSTRUCTION STORMWATER MANAGEMENT PLAN GENERAL NOTES



DISTRICT	COUNTY	ROUTE	SECTION	SHEET
6-0	DELAWARE	0030	RRT	44 OF 53
RADNOR TOWNSHIP				
REVISION NUMBER	REVISIONS			DATE BY

LEGEND

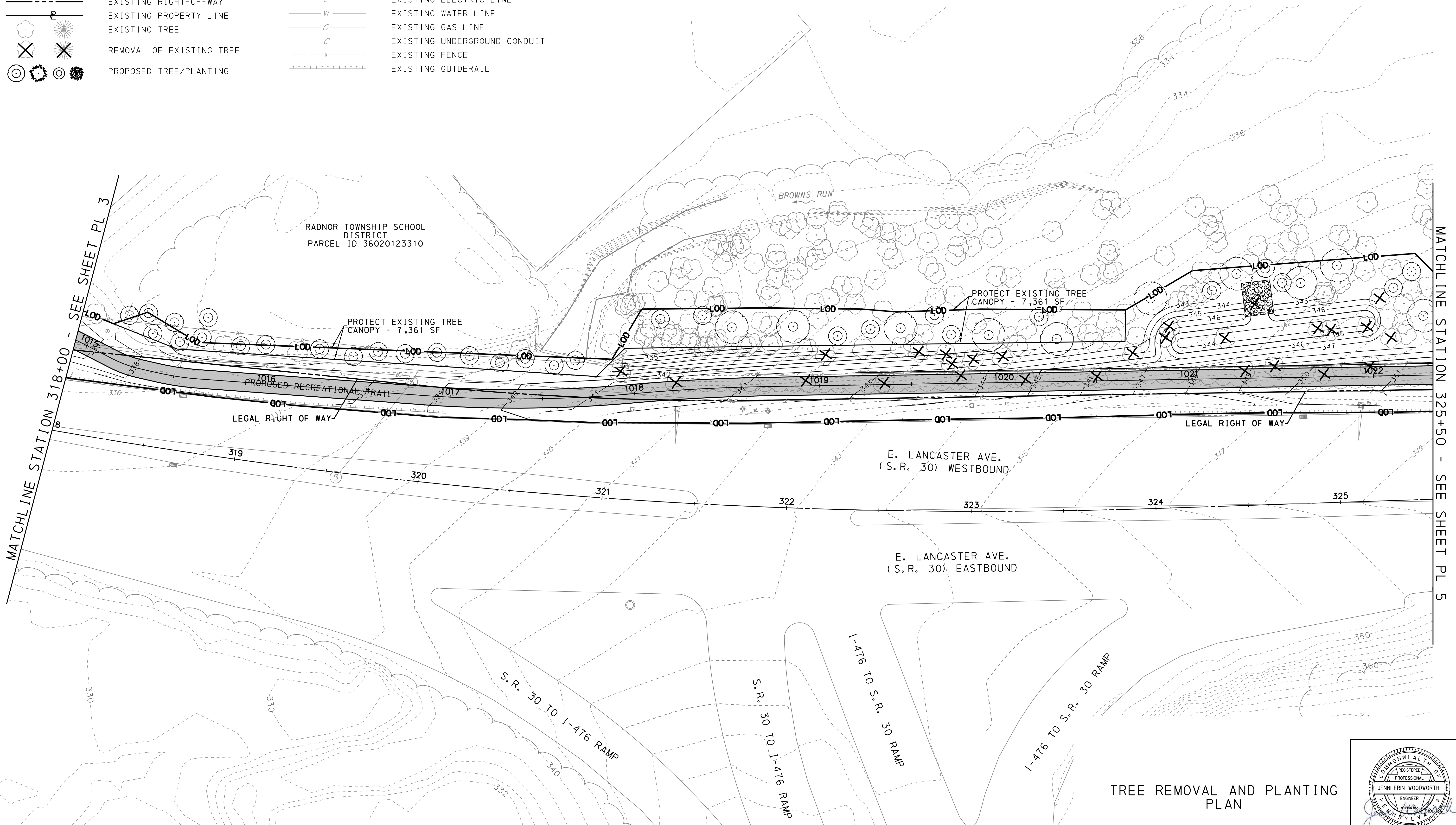
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|-------------------------------|--------------------------|-------------|--------------------------------|
| --- 375 --- | EXISTING CONTOUR MAJOR | --- --- --- | EXISTING STREAM BOUNDARY |
| --- 374 --- | EXISTING CONTOUR MINOR | --- --- --- | EXISTING WETLAND |
| - - - 375 - - - | PROPOSED CONTOUR MAJOR | --- --- --- | UTILITY POLE, LIGHT POLE, SIGN |
| - - - 374 - - - | PROPOSED CONTOUR MINOR | --- --- --- | EXISTING WOOD LINE |
| --- LOD --- | LIMIT OF DISTURBANCE | --- S --- | EXISTING SANITARY SEWER |
| --- NPDES PERMIT BOUNDARY --- | NPDES PERMIT BOUNDARY | --- T --- | EXISTING UNDERGROUND TELEPHONE |
| - - - x - - - | PROPOSED FENCE | --- E --- | EXISTING ELECTRIC LINE |
| --- | EXISTING RIGHT-OF-WAY | --- W --- | EXISTING WATER LINE |
| --- | EXISTING PROPERTY LINE | --- G --- | EXISTING GAS LINE |
| --- | EXISTING TREE | --- C --- | EXISTING UNDERGROUND CONDUIT |
| --- | REMOVAL OF EXISTING TREE | --- X --- | EXISTING FENCE |
| --- | PROPOSED TREE/PLANTING | --- | EXISTING GUIDERAIL |

NOTES:

1. SEE LANDSCAPING PLANS FOR PLANTING TYPES AND PLANTING DETAILS.

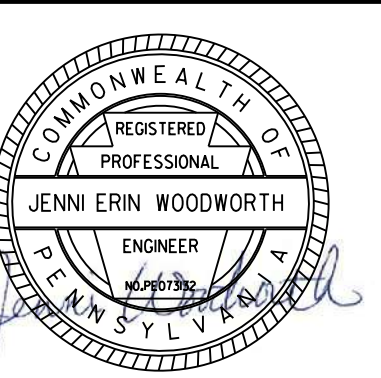
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A. D. MARBLE
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TREE REMOVAL AND PLANTING PLAN

0 25 50
SCALE IN FEET: 1"=25'



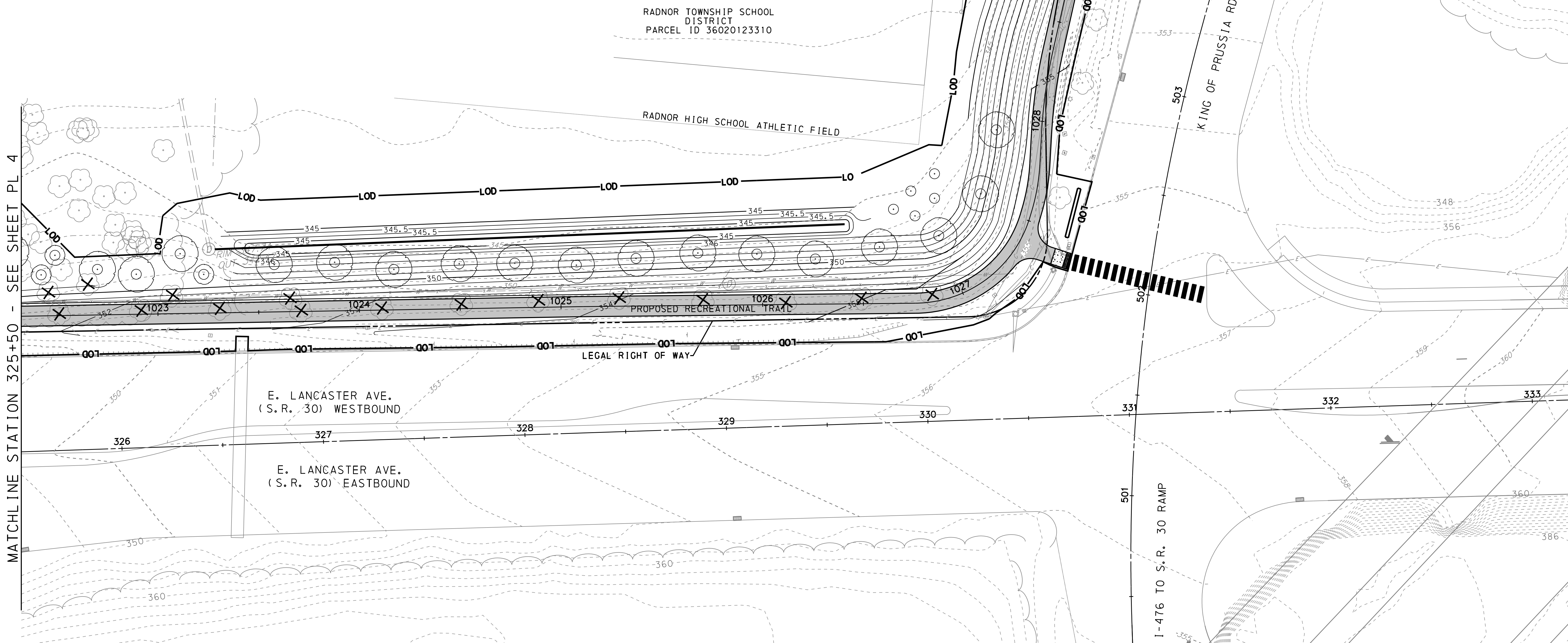
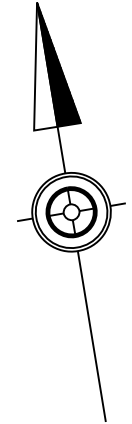
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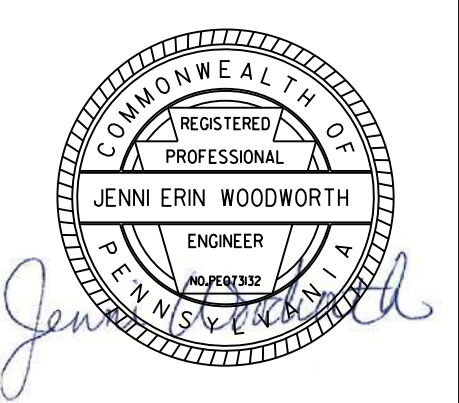
DISTRICT	COUNTY	ROUTE	SECTION	SHEET
6-0	DELAWARE	0030	RRT	45 OF 53
RADNOR TOWNSHIP				
REVISION NUMBER	REVISIONS	DATE	BY	

LEGEND			
--- 375 ---	EXISTING CONTOUR MAJOR		EXISTING STREAM BOUNDARY
--- 374 ---	EXISTING CONTOUR MINOR		EXISTING WETLAND
- - - 375 - - -	PROPOSED CONTOUR MAJOR		UTILITY POLE, LIGHT POLE, SIGN
- - - 374 - - -	PROPOSED CONTOUR MINOR		EXISTING WOOD LINE
LOD	LIMIT OF DISTURBANCE		EXISTING SANITARY SEWER
- - - NPDES	NPDES PERMIT BOUNDARY		EXISTING UNDERGROUND TELEPHONE
- - - x	PROPOSED FENCE		EXISTING ELECTRIC LINE
	EXISTING RIGHT-OF-WAY		EXISTING WATER LINE
	EXISTING PROPERTY LINE		EXISTING GAS LINE
	EXISTING TREE		EXISTING UNDERGROUND CONDUIT
	REMOVAL OF EXISTING TREE		EXISTING FENCE
	PROPOSED TREE/PLANTING		EXISTING GUIDERAIL



NOTES:
 1. SEE LANDSCAPING PLANS FOR PLANTING TYPES AND PLANTING DETAILS.

TREE REMOVAL AND PLANTING PLAN



A. D. MARBLE
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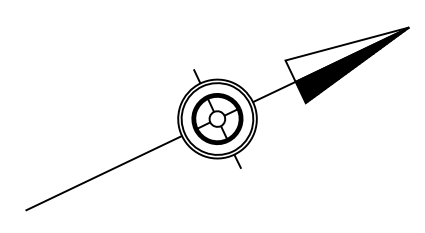
DWG PL-05 OF 13

11-12-2019

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
6-0	DELAWARE	0030	RRT	46 OF 53
RADNOR TOWNSHIP				
REVISION NUMBER	REVISIONS	DATE	BY	

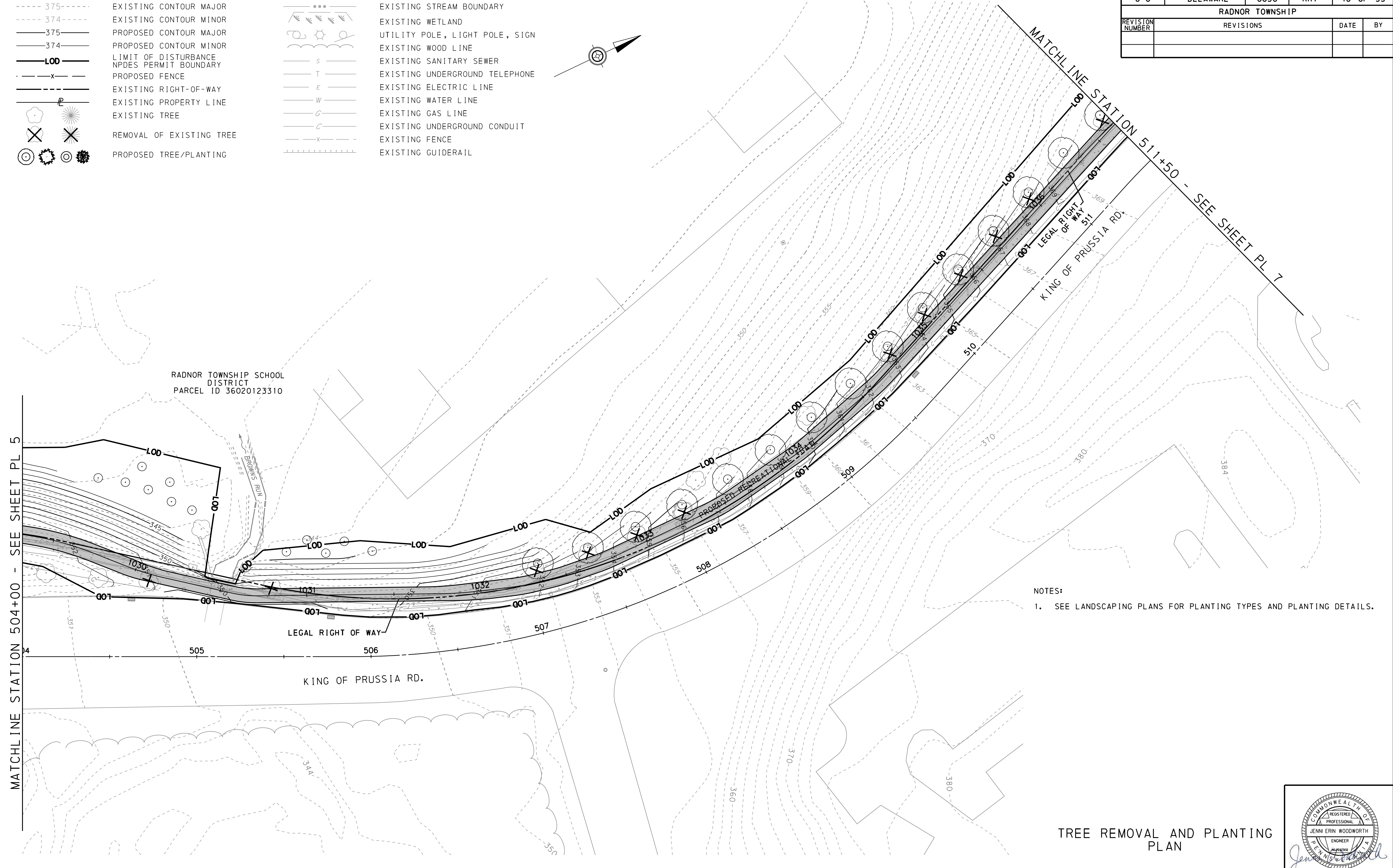
LEGEND

- 375 --- EXISTING CONTOUR MAJOR
- 374 --- EXISTING CONTOUR MINOR
- - - 375 - - - PROPOSED CONTOUR MAJOR
- - - 374 - - - PROPOSED CONTOUR MINOR
- LOD** LIMIT OF DISTURBANCE
- - - x - - - NPDES PERMIT BOUNDARY
- - - x - - - PROPOSED FENCE
- - - - - EXISTING RIGHT-OF-WAY
- - - P - - - EXISTING PROPERTY LINE
- ☉ EXISTING TREE
- ☒ REMOVAL OF EXISTING TREE
- ☉☉ PROPOSED TREE/PLANTING
- ⋯ EXISTING STREAM BOUNDARY
- ☁ EXISTING WETLAND
- ⊕ UTILITY POLE, LIGHT POLE, SIGN
- ⊗ EXISTING WOOD LINE
- S EXISTING SANITARY SEWER
- T EXISTING UNDERGROUND TELEPHONE
- E EXISTING ELECTRIC LINE
- W EXISTING WATER LINE
- G EXISTING GAS LINE
- C EXISTING UNDERGROUND CONDUIT
- x - EXISTING FENCE
- ⊢ EXISTING GUIDERAIL



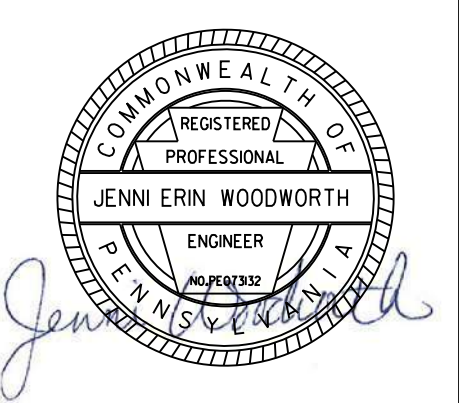
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FILE NAME: X:\Projects\1585\CAD\Plan\Int.fwg\For_SWM_Tree Removal_Plan_06.dgn



NOTES:
1. SEE LANDSCAPING PLANS FOR PLANTING TYPES AND PLANTING DETAILS.

TREE REMOVAL AND PLANTING PLAN



DESIGN BY: EBD CHECKED BY: JEW

A. D. MARBLE
FILE NAME: X:\Projects\1585\CADD\Plan\101.dwg For SWM Tree Removal Plan 07.dgn
PLOTTED: 10/9/2019 4:50:38 PM

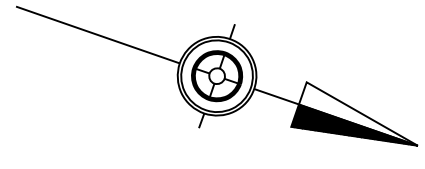
NOTES:
1. SEE LANDSCAPING PLANS FOR PLANTING TYPES AND PLANTING DETAILS.

- 375 --- EXISTING CONTOUR MAJOR
- 374 --- EXISTING CONTOUR MINOR
- 375 --- PROPOSED CONTOUR MAJOR
- 374 --- PROPOSED CONTOUR MINOR
- LOD** LIMIT OF DISTURBANCE
- - - - - NPDES PERMIT BOUNDARY
- x - - - - PROPOSED FENCE
- - - - - EXISTING RIGHT-OF-WAY
- P - - - - EXISTING PROPERTY LINE
- () () EXISTING TREE
- (X) (X) REMOVAL OF EXISTING TREE
- () () () () PROPOSED TREE/PLANTING

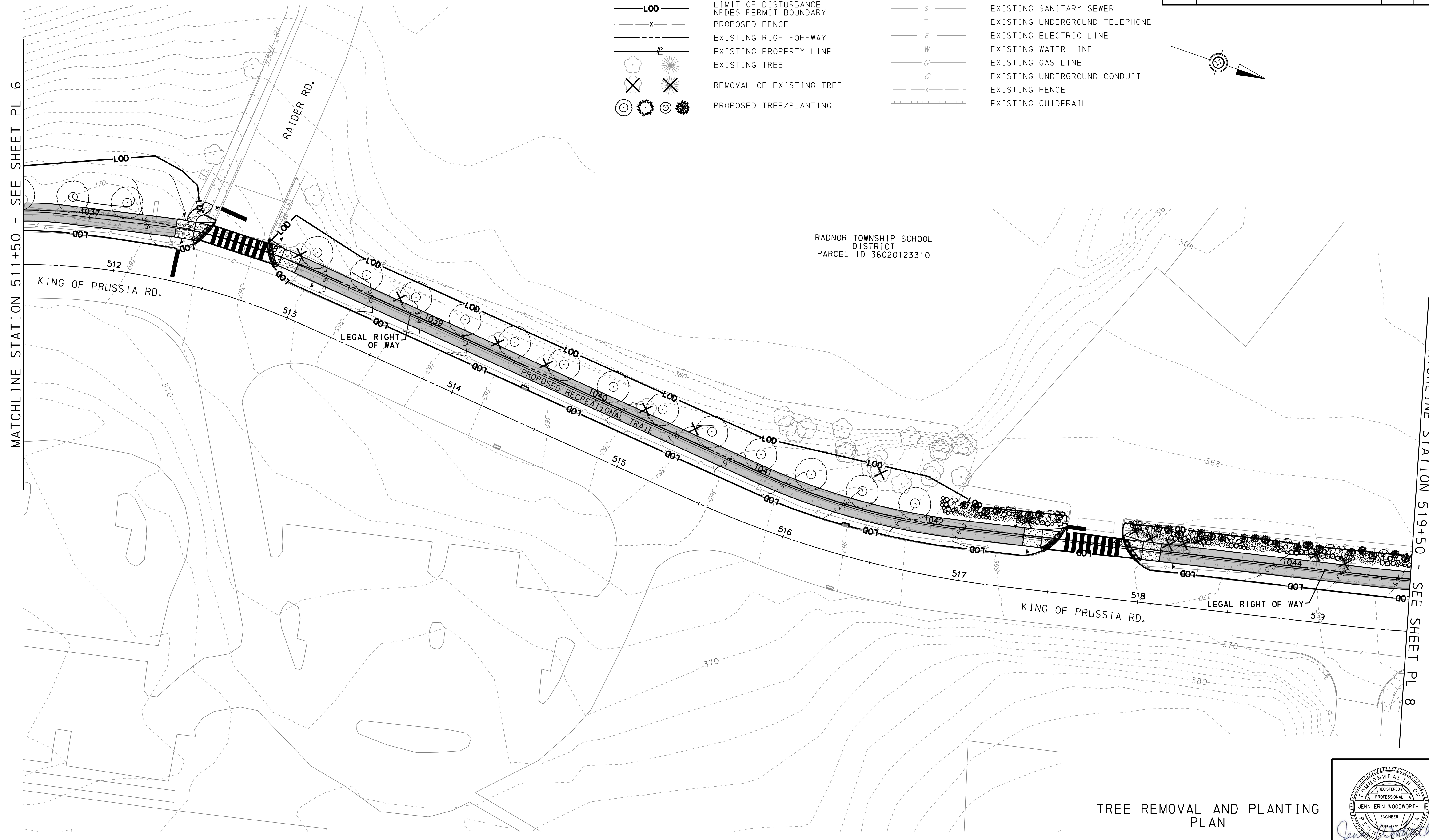
LEGEND

- (---) EXISTING STREAM BOUNDARY
- (---) EXISTING WETLAND
- (---) UTILITY POLE, LIGHT POLE, SIGN
- (---) EXISTING WOOD LINE
- (---) EXISTING SANITARY SEWER
- (---) EXISTING UNDERGROUND TELEPHONE
- (---) EXISTING ELECTRIC LINE
- (---) EXISTING WATER LINE
- (---) EXISTING GAS LINE
- (---) EXISTING UNDERGROUND CONDUIT
- (---) EXISTING FENCE
- (---) EXISTING GUIDERAIL

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
6-0	DELAWARE	0030	RRT	47 OF 53
RADNOR TOWNSHIP				
REVISION NUMBER	REVISIONS	DATE	BY	



RADNOR TOWNSHIP SCHOOL DISTRICT
PARCEL ID 36020123310



MATCHLINE STATION 511+50 - SEE SHEET PL 6

MATCHLINE STATION 519+50 - SEE SHEET PL 8

TREE REMOVAL AND PLANTING PLAN

0 25 50
SCALE IN FEET: 1"=25'



DESIGN BY: EBD CHECKED BY: JEW

DWG PL-07 OF 13

11-12-2019

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
6-0	DELAWARE	0030	RRT	48 OF 53
RADNOR TOWNSHIP				
REVISION NUMBER	REVISIONS	DATE	BY	

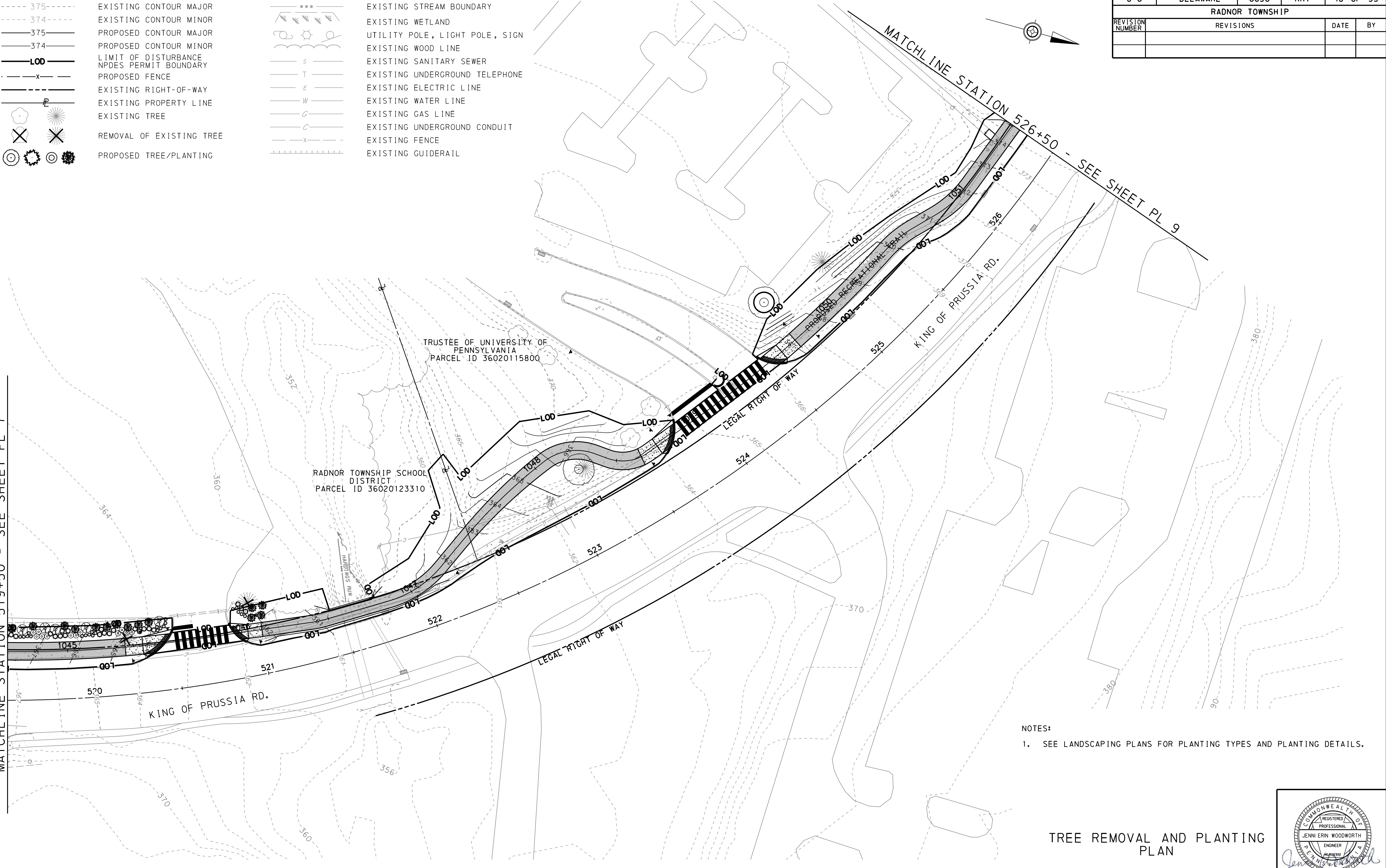
LEGEND

- | | | | |
|---------------|--------------------------------|-----------|--------------------|
| --- 375 --- | EXISTING CONTOUR MAJOR | --- x --- | EXISTING FENCE |
| --- 374 --- | EXISTING CONTOUR MINOR | --- x --- | EXISTING FENCE |
| --- 375 --- | PROPOSED CONTOUR MAJOR | --- x --- | EXISTING FENCE |
| --- 374 --- | PROPOSED CONTOUR MINOR | --- x --- | EXISTING FENCE |
| --- LOD --- | LIMIT OF DISTURBANCE | --- x --- | EXISTING FENCE |
| --- NPDES --- | NPDES PERMIT BOUNDARY | --- x --- | EXISTING FENCE |
| --- x --- | PROPOSED FENCE | --- x --- | EXISTING FENCE |
| --- | EXISTING RIGHT-OF-WAY | --- | EXISTING FENCE |
| --- | EXISTING PROPERTY LINE | --- | EXISTING FENCE |
| ☀ | EXISTING TREE | ☀ | EXISTING GUIDERAIL |
| ✕ | REMOVAL OF EXISTING TREE | ☀ | EXISTING GUIDERAIL |
| ☀ | PROPOSED TREE/PLANTING | ☀ | EXISTING GUIDERAIL |
| --- | EXISTING STREAM BOUNDARY | --- | EXISTING GUIDERAIL |
| --- | EXISTING WETLAND | --- | EXISTING GUIDERAIL |
| --- | UTILITY POLE, LIGHT POLE, SIGN | --- | EXISTING GUIDERAIL |
| --- | EXISTING WOOD LINE | --- | EXISTING GUIDERAIL |
| --- | EXISTING SANITARY SEWER | --- | EXISTING GUIDERAIL |
| --- | EXISTING UNDERGROUND TELEPHONE | --- | EXISTING GUIDERAIL |
| --- | EXISTING ELECTRIC LINE | --- | EXISTING GUIDERAIL |
| --- | EXISTING WATER LINE | --- | EXISTING GUIDERAIL |
| --- | EXISTING GAS LINE | --- | EXISTING GUIDERAIL |
| --- | EXISTING UNDERGROUND CONDUIT | --- | EXISTING GUIDERAIL |
| --- | EXISTING GUIDERAIL | --- | EXISTING GUIDERAIL |

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MATCHLINE STATION 519+50 - SEE SHEET PL 7

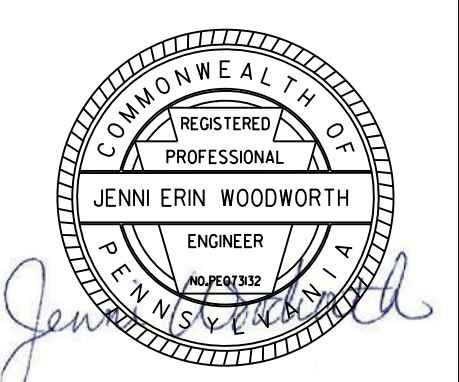
A. D. MARBLE
FILE NAME: X:\Projects\1585\CADD\Plan\101.dwg For SWM Tree Removal Plan 08.dgn



NOTES:
1. SEE LANDSCAPING PLANS FOR PLANTING TYPES AND PLANTING DETAILS.

TREE REMOVAL AND PLANTING PLAN

0 25 50
SCALE IN FEET: 1"=25'



DESIGN BY: EBD CHECKED BY: JEW

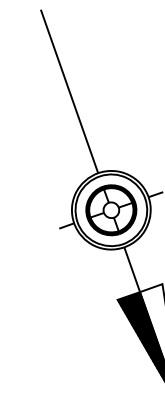
DISTRICT	COUNTY	ROUTE	SECTION	SHEET	
6-0	DELAWARE	0030	RRT	49 OF 53	
RADNOR TOWNSHIP					
REVISION NUMBER	REVISIONS			DATE	BY

LEGEND

- | | | | |
|---------------|--------------------------|--|--------------------------------|
| --- 375 --- | EXISTING CONTOUR MAJOR | | EXISTING STREAM BOUNDARY |
| --- 374 --- | EXISTING CONTOUR MINOR | | EXISTING WETLAND |
| --- 375 --- | PROPOSED CONTOUR MAJOR | | UTILITY POLE, LIGHT POLE, SIGN |
| --- 374 --- | PROPOSED CONTOUR MINOR | | EXISTING WOOD LINE |
| LOD | LIMIT OF DISTURBANCE | | EXISTING SANITARY SEWER |
| - - - x - - - | NPDES PERMIT BOUNDARY | | EXISTING UNDERGROUND TELEPHONE |
| - - - x - - - | PROPOSED FENCE | | EXISTING ELECTRIC LINE |
| - - - x - - - | EXISTING RIGHT-OF-WAY | | EXISTING WATER LINE |
| - - - x - - - | EXISTING PROPERTY LINE | | EXISTING GAS LINE |
| | EXISTING TREE | | EXISTING UNDERGROUND CONDUIT |
| | REMOVAL OF EXISTING TREE | | EXISTING FENCE |
| | PROPOSED TREE/PLANTING | | EXISTING GUIDERAIL |

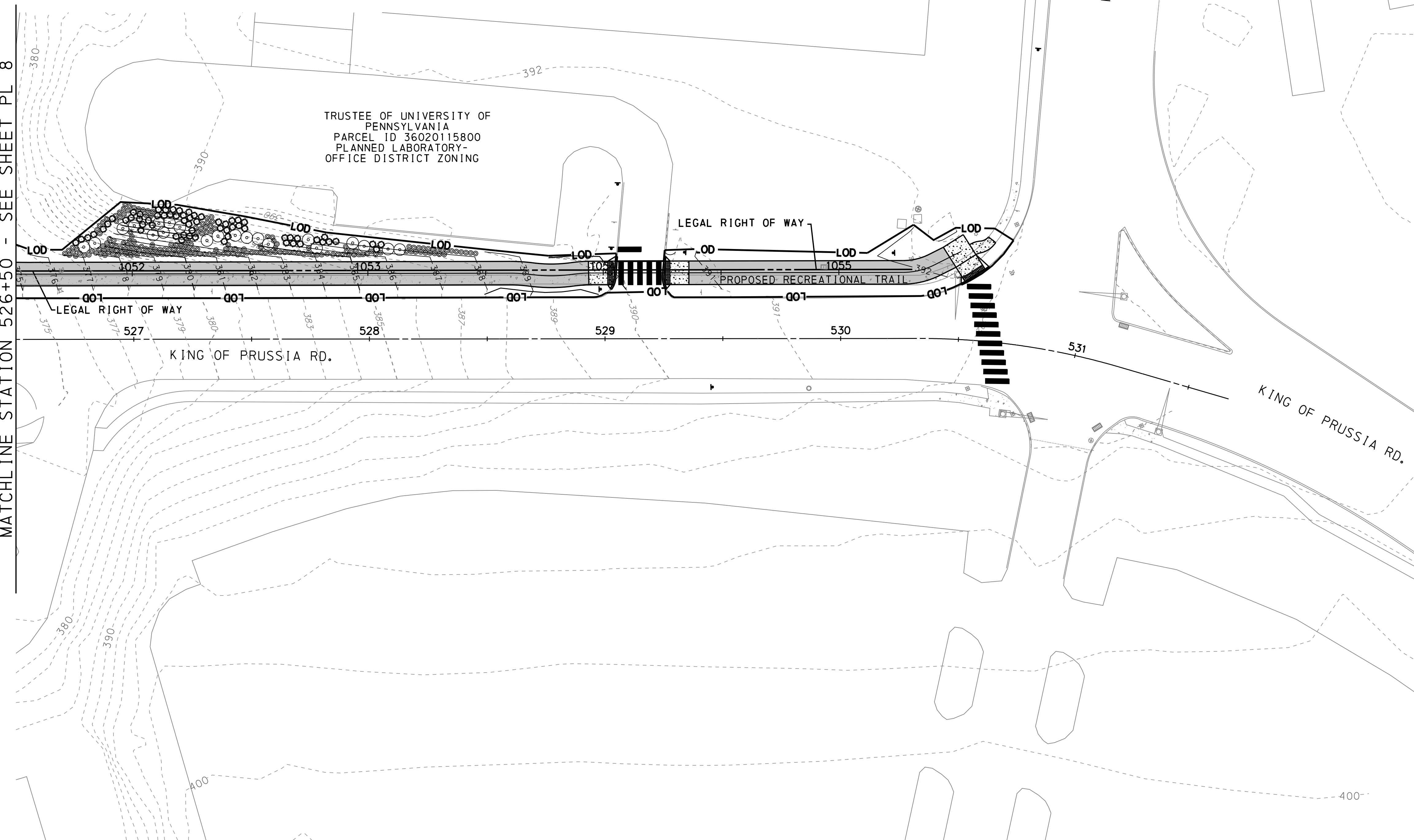
NOTES:

1. SEE LANDSCAPING PLANS FOR PLANTING TYPES AND PLANTING DETAILS.



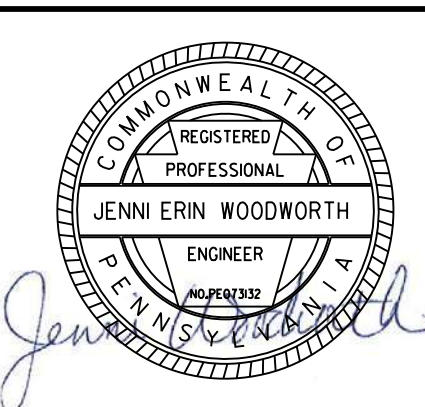
PLOTTED: 10/9/2019 4:50:40 PM

MATCHLINE STATION 526+50 - SEE SHEET PL 8



TREE REMOVAL AND PLANTING PLAN

0 25 50
SCALE IN FEET: 1"=25'



A. D. MARBLE
FILE NAME: X:\Projects\1585\CADD\Plan\Int\ing\For_SWM_Tree Removal_Plan_09.dgn

DESIGN BY: EBD CHECKED BY: JEW

DWG PL-09 OF 13

11-12-2019

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
6-0	DELAWARE	0030	RRT	50 OF 53
RADNOR TOWNSHIP				
REVISION NUMBER	REVISIONS	DATE	BY	

LEGEND

- | | | | |
|-------------|--------------------------|-----------|--------------------------------|
| --- 375 --- | EXISTING CONTOUR MAJOR | ---•••--- | EXISTING STREAM BOUNDARY |
| --- 374 --- | EXISTING CONTOUR MINOR | ---S--- | EXISTING WETLAND |
| --- 374 --- | PROPOSED CONTOUR MAJOR | ---T--- | UTILITY POLE, LIGHT POLE, SIGN |
| --- 374 --- | PROPOSED CONTOUR MINOR | ---E--- | EXISTING WOOD LINE |
| --- LOD --- | LIMIT OF DISTURBANCE | ---W--- | EXISTING SANITARY SEWER |
| --- x --- | NPDES PERMIT BOUNDARY | ---G--- | EXISTING UNDERGROUND TELEPHONE |
| --- x --- | PROPOSED FENCE | ---C--- | EXISTING ELECTRIC LINE |
| --- | EXISTING RIGHT-OF-WAY | ---C--- | EXISTING WATER LINE |
| --- | EXISTING PROPERTY LINE | ---X--- | EXISTING GAS LINE |
| --- | EXISTING TREE | --- | EXISTING UNDERGROUND CONDUIT |
| --- | REMOVAL OF EXISTING TREE | --- | EXISTING FENCE |
| --- | PROPOSED TREE/PLANTING | --- | EXISTING GUIDERAIL |

NOTES:

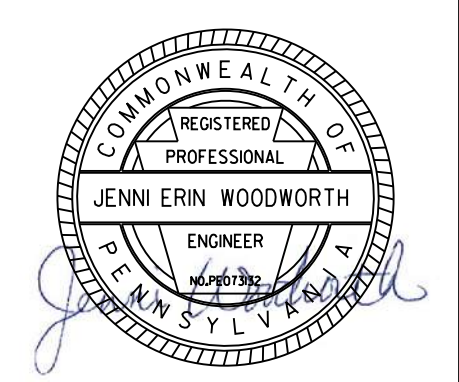
1. SEE LANDSCAPING PLANS FOR PLANTING TYPES AND PLANTING DETAILS.

PLOTTED: \$DATE\$ \$TIME\$

A. D. MARBLE
FILE NAME: \$FILENAME\$



TREE REMOVAL AND PLANTING PLAN



DESIGN BY: EBD CHECKED BY: JEW

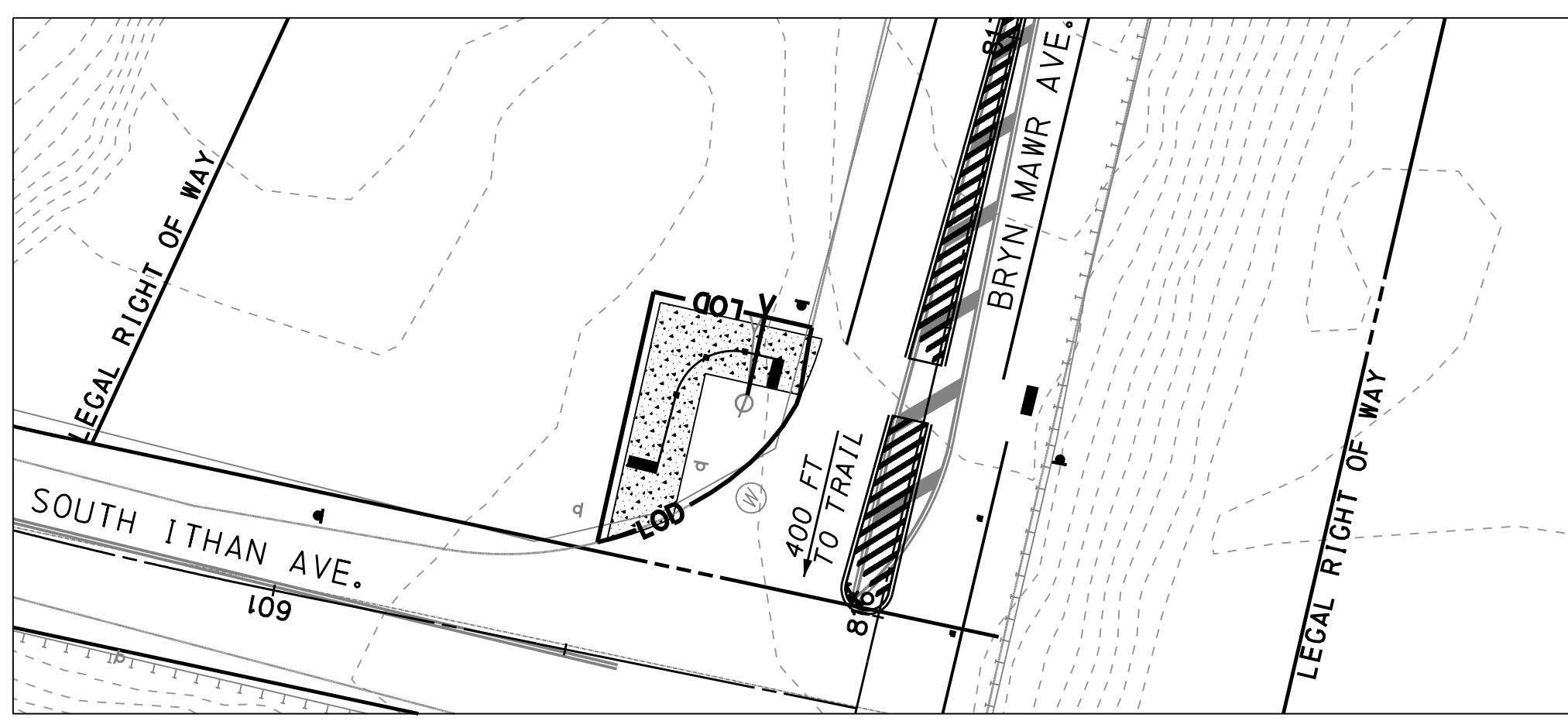
DWG PL-10 OF 13

06-11-2020

PLOTTED: 10/9/2019 4:50:42 PM

A. D. MARBLE
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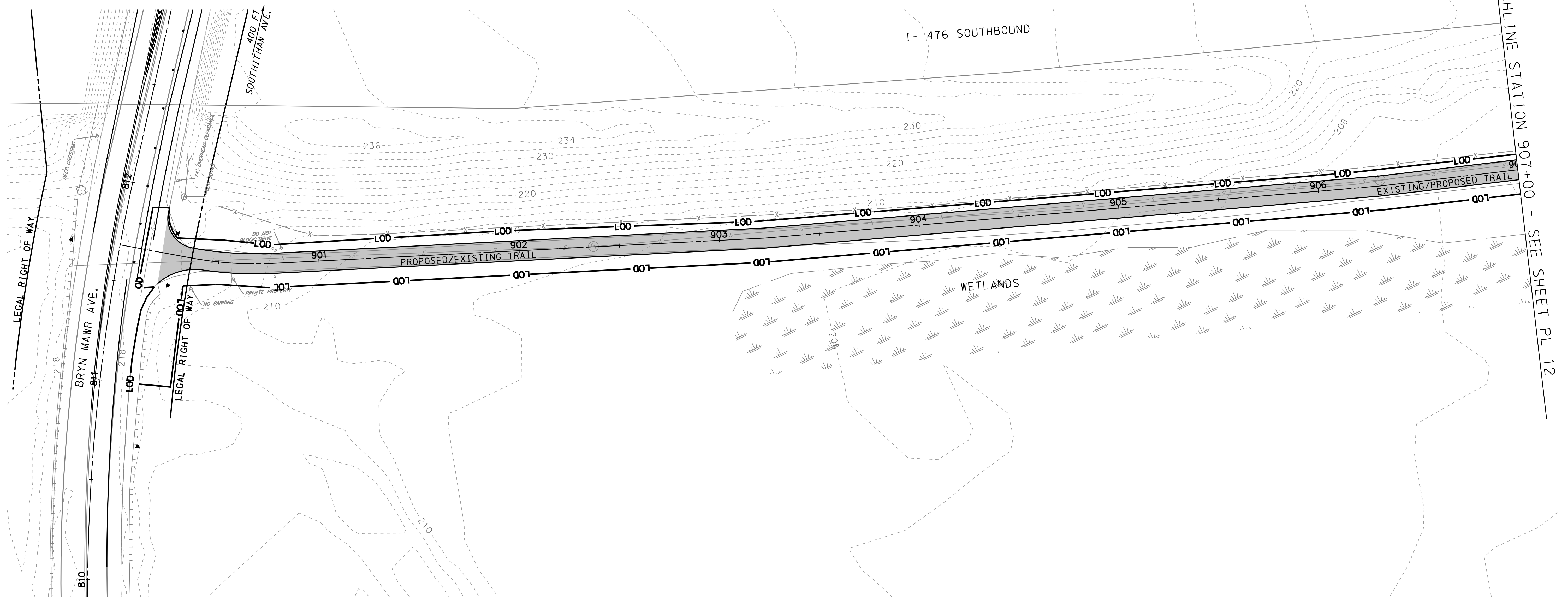
DISTRICT	COUNTY	ROUTE	SECTION	SHEET
6-0	DELAWARE	0030	RRT	51 OF 53
RADNOR TOWNSHIP				
REVISION NUMBER	REVISIONS	DATE	BY	



- 375 --- EXISTING CONTOUR MAJOR
- 374 --- EXISTING CONTOUR MINOR
- 375 --- PROPOSED CONTOUR MAJOR
- 374 --- PROPOSED CONTOUR MINOR
- LOD** LIMIT OF DISTURBANCE
- NPDES PERMIT BOUNDARY
- - - x - - - PROPOSED FENCE
- - - - - EXISTING RIGHT-OF-WAY
- - - P - - - EXISTING PROPERTY LINE
- ⊗ EXISTING TREE
- ⊗ (with star) REMOVAL OF EXISTING TREE
- ⊗ (with circle) PROPOSED TREE/PLANTING

LEGEND

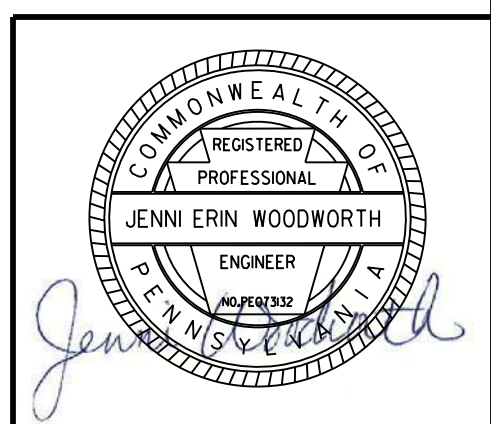
- --- EXISTING STREAM BOUNDARY
- ⊗ ⊗ ⊗ EXISTING WETLAND
- ⊗ ⊗ ⊗ EXISTING WOOD LINE
- S --- EXISTING SANITARY SEWER
- T --- EXISTING UNDERGROUND TELEPHONE
- E --- EXISTING ELECTRIC LINE
- W --- EXISTING WATER LINE
- G --- EXISTING GAS LINE
- C --- EXISTING UNDERGROUND CONDUIT
- - - x - - - EXISTING FENCE
- ⊗ --- EXISTING GUIDERAIL



NOTES:
 1. NO PLANTINGS OR TREES REMOVED THIS SHEET.

TREE REMOVAL AND PLANTING PLAN

0 25 50
 SCALE IN FEET: 1"=25'



DESIGN BY: EBD CHECKED BY: JEW

DWG PL-11 OF 13

11-12-2019

PLOTTED: 10/9/2019 4:50:43 PM
A. D. MARBLE
FILE NAME: X:\Projects\1585\CADD\Plan\Icn1.fmg\For_SWM_Tree_Removal_Plan_12.dgn

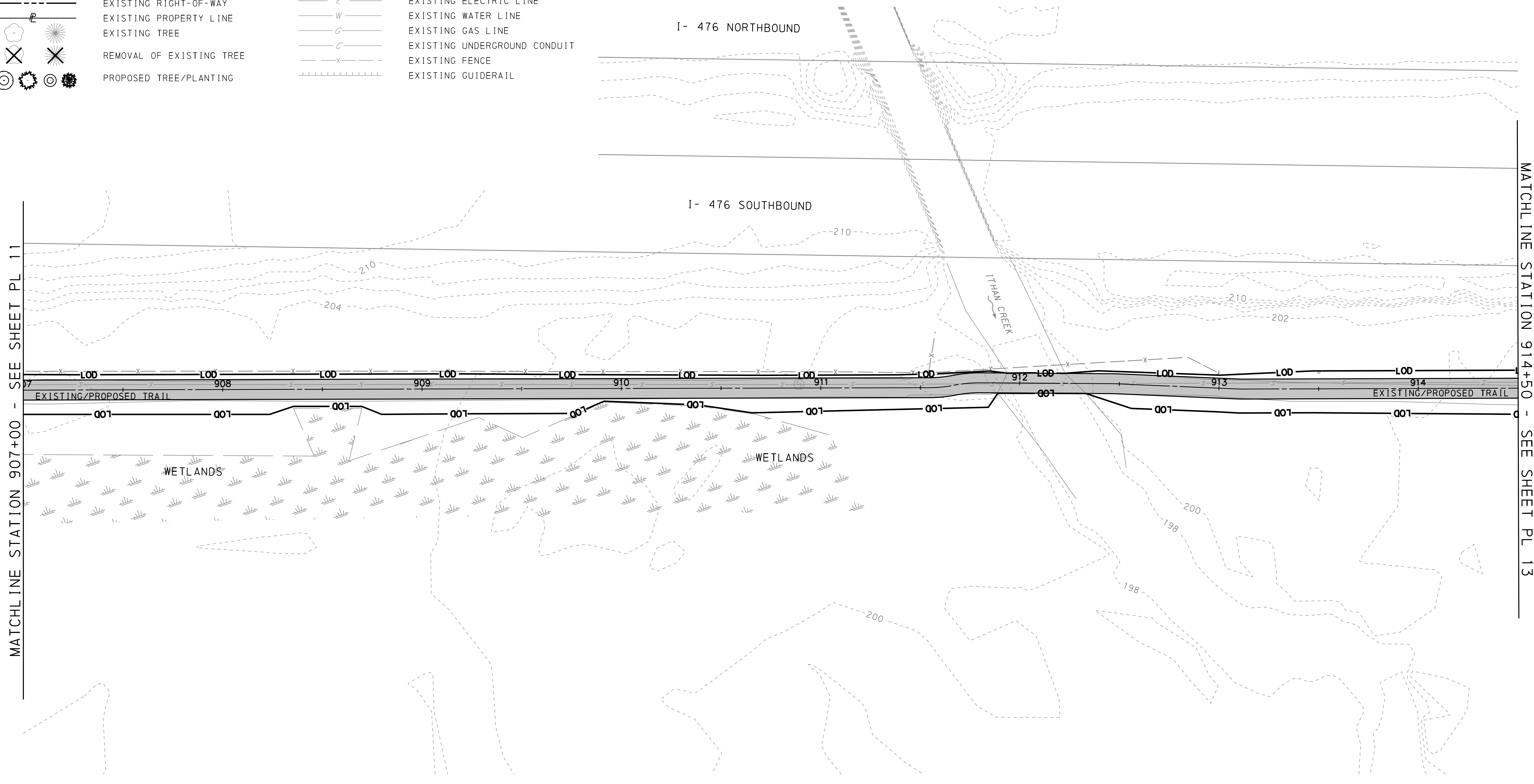
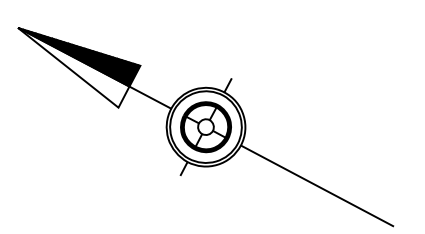
- 375 --- EXISTING CONTOUR MAJOR
- 374 --- EXISTING CONTOUR MINOR
- 375 --- PROPOSED CONTOUR MAJOR
- 374 --- PROPOSED CONTOUR MINOR
- LOD** LIMIT OF DISTURBANCE
- - - x - - - NPDES PERMIT BOUNDARY
- - - x - - - PROPOSED FENCE
- - - - - EXISTING RIGHT-OF-WAY
- - - P - - - EXISTING PROPERTY LINE
- ⊗ EXISTING TREE
- ⊗ X ⊗ REMOVAL OF EXISTING TREE
- ⊙ ⊗ PROPOSED TREE/PLANTING

LEGEND

- ⋯ EXISTING STREAM BOUNDARY
- ⊗ EXISTING WETLAND
- ⊗ EXISTING WOOD LINE
- S EXISTING SANITARY SEWER
- T EXISTING UNDERGROUND TELEPHONE
- E EXISTING ELECTRIC LINE
- W EXISTING WATER LINE
- G EXISTING GAS LINE
- C EXISTING UNDERGROUND CONDUIT
- - - x - - - EXISTING FENCE
- ||||| EXISTING GUIDERAIL

NOTES:
1. NO PLANTINGS OR TREES REMOVED THIS SHEET.

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
6-0	DELAWARE	0030	RRT	52 OF 53
RADNOR TOWNSHIP				
REVISION NUMBER	REVISIONS	DATE	BY	

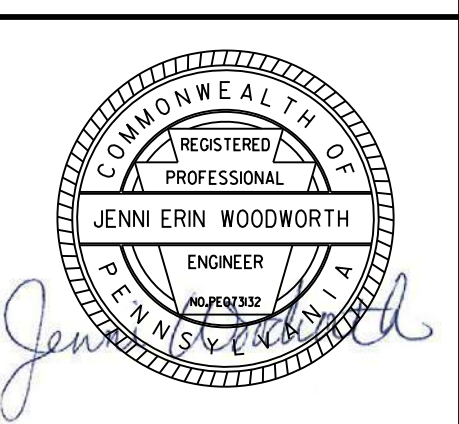


MATCHLINE STATION 907+00 - SEE SHEET PL 11

MATCHLINE STATION 914+50 - SEE SHEET PL 13

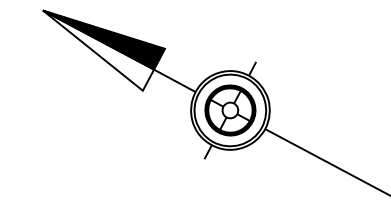
TREE REMOVAL AND PLANTING PLAN

SCALE IN FEET: 1"=25'



DESIGN BY: EBD CHECKED BY: JEW

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
6-0	DELAWARE	0030	RRT	53 OF 53
RADNOR TOWNSHIP				
REVISION NUMBER	REVISIONS			DATE
				BY

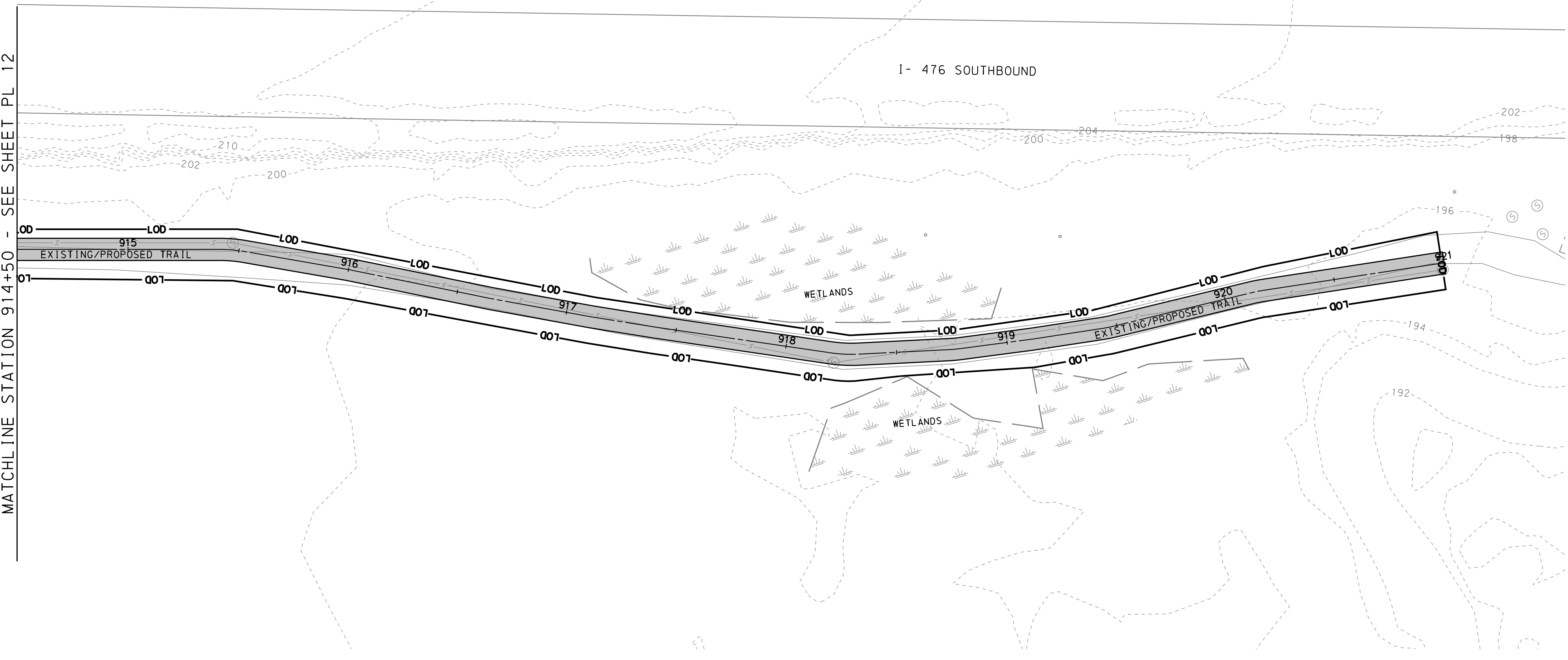


NOTES:
 1. NO PLANTINGS OR TREES REMOVED THIS SHEET.

LEGEND

- | | | | |
|---------------|--------------------------------------|-------------|--------------------------------|
| --- 375 --- | EXISTING CONTOUR MAJOR | --- --- --- | EXISTING STREAM BOUNDARY |
| --- 374 --- | EXISTING CONTOUR MINOR | --- --- --- | EXISTING WETLAND |
| --- 375 --- | PROPOSED CONTOUR MAJOR | --- --- --- | EXISTING TREE |
| --- 374 --- | PROPOSED CONTOUR MINOR | --- --- --- | UTILITY POLE, LIGHT POLE, SIGN |
| --- LOD --- | LIMIT OF DISTURBANCE | --- --- --- | EXISTING WOOD LINE |
| --- CFS12 --- | NPDES PERMIT BOUNDARY | --- --- --- | EXISTING RIGHT-OF-WAY |
| --- --- --- | COMPOST FILTER SOCK | --- --- --- | EXISTING PROPERTY LINE |
| --- X --- | TREE PROTECTION FENCE | --- --- --- | EXISTING SANITARY SEWER |
| --- --- --- | PROPOSED FENCE | --- --- --- | EXISTING UNDERGROUND TELEPHONE |
| --- I. P. --- | INLET PROTECTION | --- --- --- | EXISTING ELECTRIC LINE |
| --- --- --- | PROPOSED TRAIL | --- --- --- | EXISTING WATER LINE |
| --- --- --- | ROCK CONSTRUCTION ENTRANCE | --- --- --- | EXISTING GAS LINE |
| --- --- --- | PROPOSED ROCK OUTLET PROTECTION | --- --- --- | EXISTING UNDERGROUND CONDUIT |
| --- --- --- | COMPOST FILTER SOCK CONCRETE WASHOUT | --- --- --- | EXISTING FENCE |
| | | --- --- --- | EXISTING GUIDERAIL |
| | | --- --- --- | SOIL BOUNDARY |
| | | (GeB) | SOIL TYPE |
| | | --- --- --- | SWALE DRAINAGE AREA BOUNDARY |
| | | --- --- --- | TREE PROTECTION FENCE |

MATCHLINE STATION 914+50 - SEE SHEET PL 12



A. D. MARBLE
 FILE NAME: X:\Projects\1585\CADD\Plan\1on1.dgn
 PLOTTED: 10/9/2019 4:50:44 PM

DESIGN BY: EBD CHECKED BY: JEW

TREE REMOVAL AND PLANTING PLAN

SCALE IN FEET: 1"=25'

