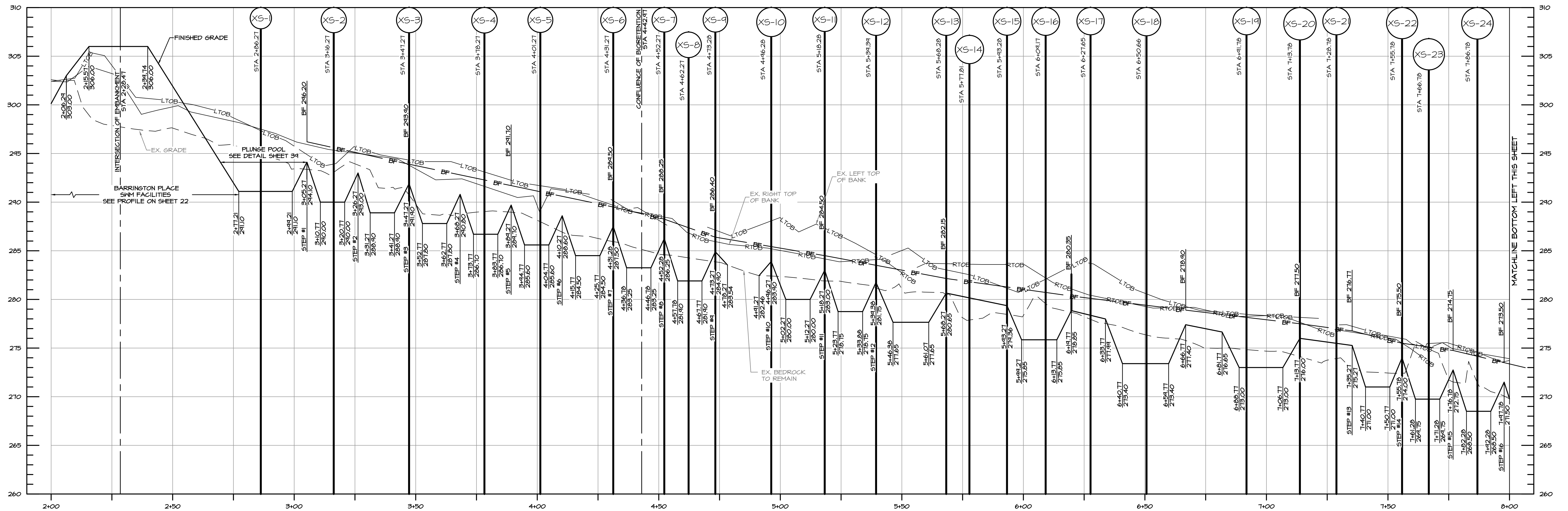
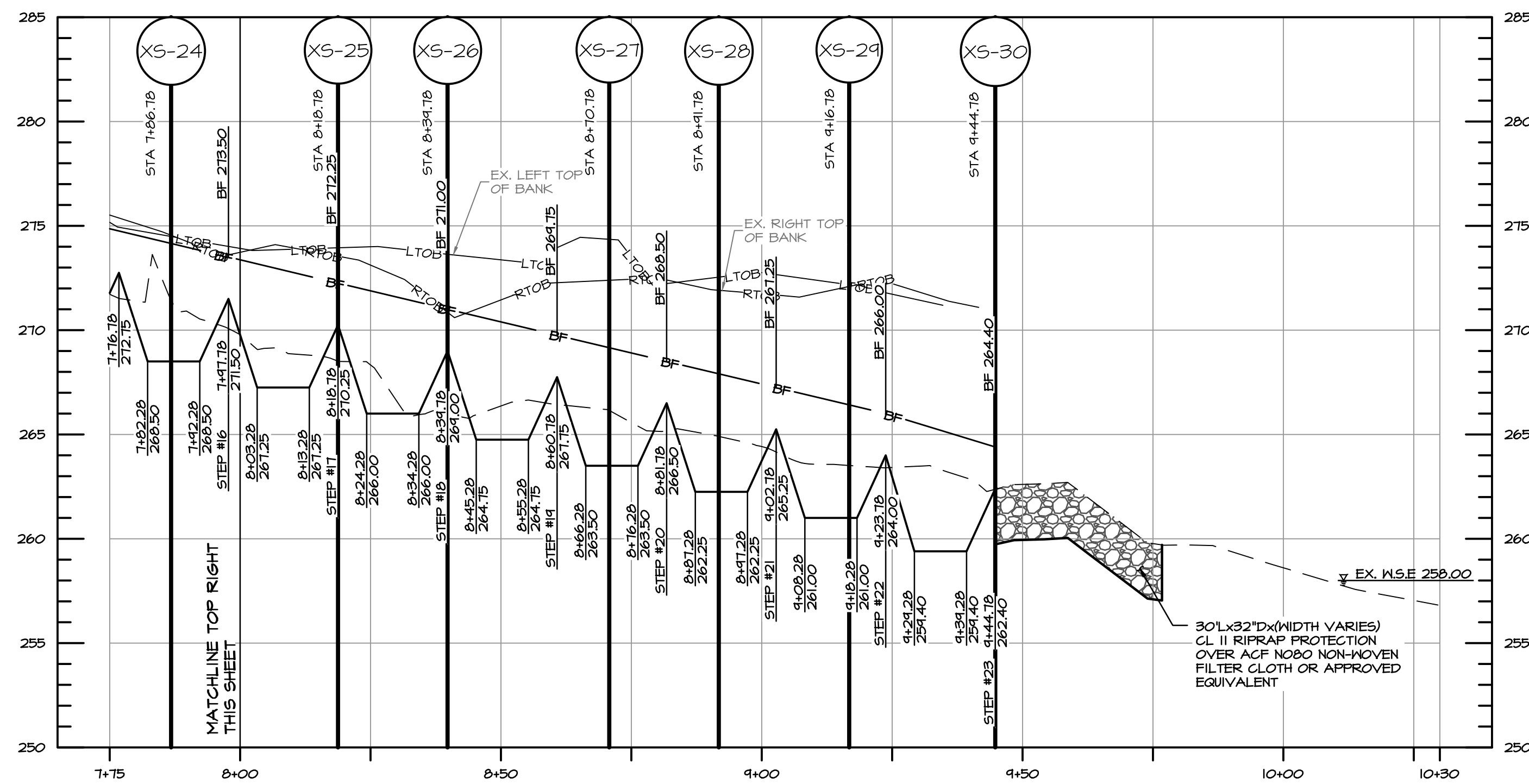




PROFILE BARRINGTON PLACE STA: 2+00 TO STA: 8+00



PROFILE BARRINGTON PLACE STA: 7+75 TO STA: 10+30

SCALE: HORIZ. 1" = 20'
VERT. 1" = 5'

SCALE: HORIZ. 1" = 20'
VERT. 1" = 5'

EG-SWMENG-000135-2015 | #99974

 **CLEAR CREEKS CONSULTING**
1317 Knopp Road, Jarrettsville, Maryland 21764 (410) 692-2164

 **BayLand Consultants & Designers, Inc.**
"Integrating Engineering and Environment"
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Hanover, Maryland 21076 Fax: (410) 694-9405
Website: www.baylandinc.com



REVISIONS		HARFORD COUNTY, MARYLAND	
		BARRINGTON PLACE STREAM RESTORATION PROFILE - BARRINGTON PLACE TRIBUTARY	
DRAWN BY: MDD		CONTRACT NO. :	
DESIGNED BY: RP/MDD		SCALE : AS SHOWN	
REVIEWED BY: CJS		SHEET 21 OF 53	
		DATE : 01/27/17	

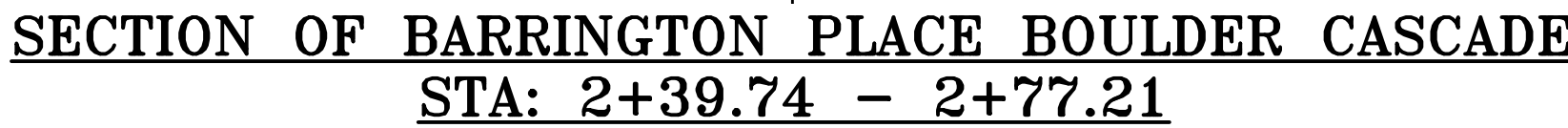


EG-SWMENG-000135-2015 #99974

 **CLEAR CREEKS CONSULTING**
1317 Knapp Road, Jarrettsville, Maryland 21084 (410) 692-2164



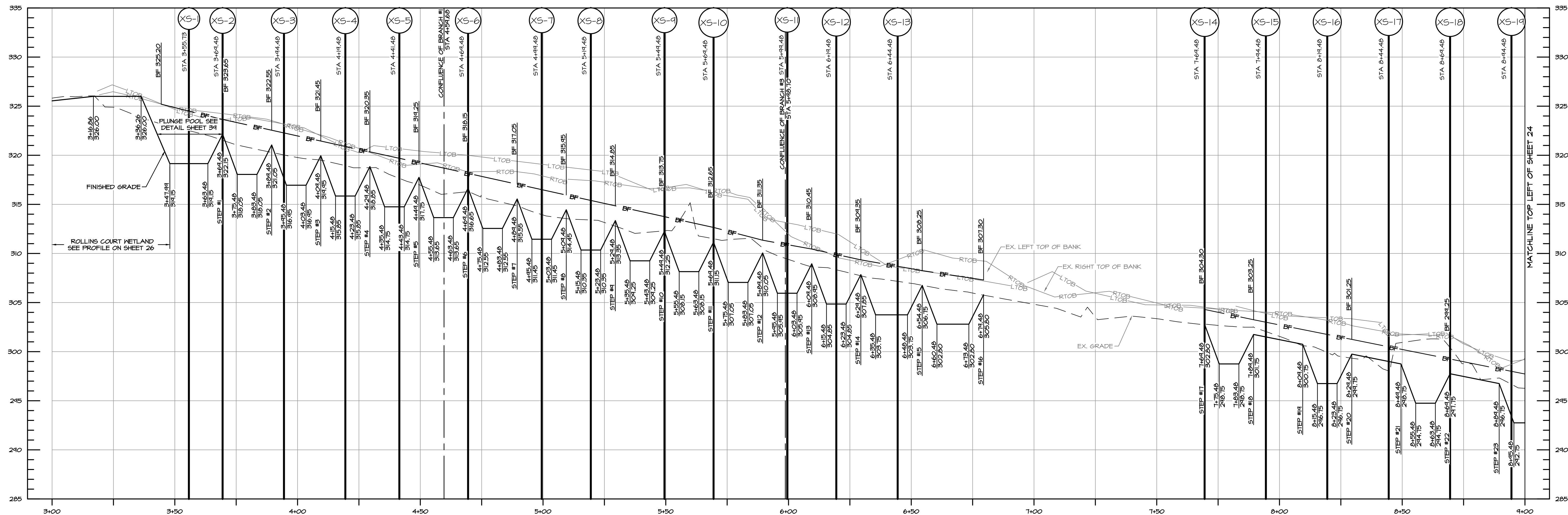
1. ALL MATERIALS SHALL BE UNDERLAIN BY ACF N120 POLYPROPYLENE NON-WOVEN GEOTEXTILE FABRIC OR EQUAL.
2. WHEN BACKFILLING, ALL MATERIAL SHALL BE COMPACTED FIRMLY IN ALL VOIDS TO SECURE STONE. ALL UNDERLYING SOIL SHALL BE COMPACTED TO MO-378 STANDARDS.
3. CASCADE AND PLUNGE POOL SHALL BE CONSTRUCTED SUCH THAT ALL ROCKS SECURELY INTERLOCK AND SHALL NOT ROCK OR ROTATE IN PLACE.
4. ALL ROCK SHALL BE GRANITE ROCK THAT IS TAN, DARK BROWN, OR DARK GRAY IN COLOR. ALL ROCKS NOT MEETING SPECIFICATIONS SHALL BE REMOVED AND REPLACED AT NO COST TO THE OWNER. SEE ROCK SIZING TABLE SHEET 22.
5. AFTER THE PLACEMENT OF THE BOULDERS, ONLY SURFACE VOIDS AT OR NEAR GRADE WHICH ARE LARGE ENOUGH TO RECEIVE CHINKING STONES SHALL BE FILLED.



CASCADE AND PLUNGE POOL ROCK SIZE TABLE

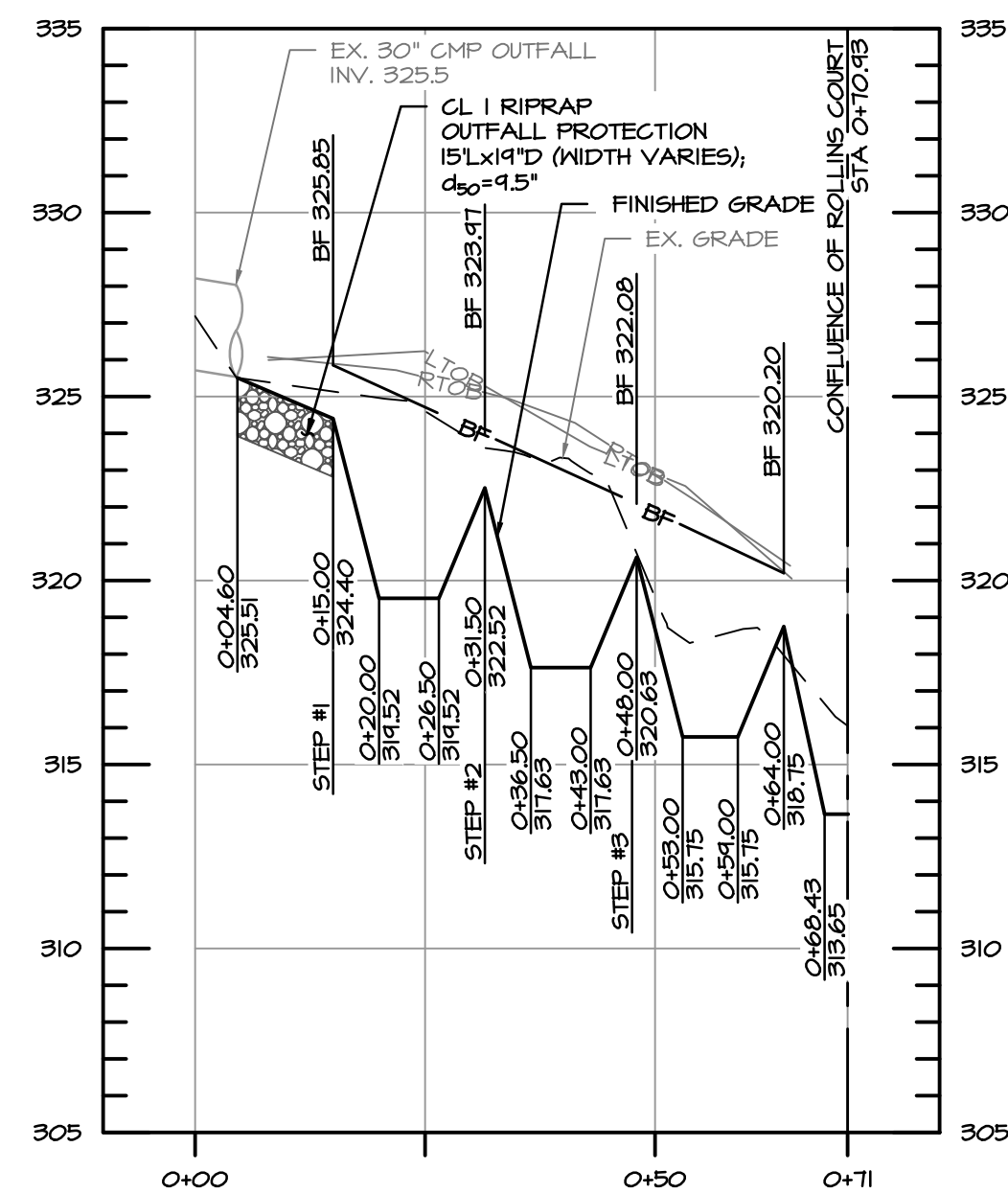
ROCK TYPE	SIZE	% BY WEIGHT
BOULDERS	D ₅₀ = 2.5'; D _{max} = 3'	100
CHINKING STONE (CL I RIPRAP)	D ₅₀ = 9.5"; D _{max} = 15"	100
FILTER STONE	D ₅₀ = 4"; D _{max} = 7"	100

Z:\4_3602_BARRINGTON_&_ROLLINS_FINAL_DESIGN\CAD Files\Sheet Files\4_3602_PROF05.dwg



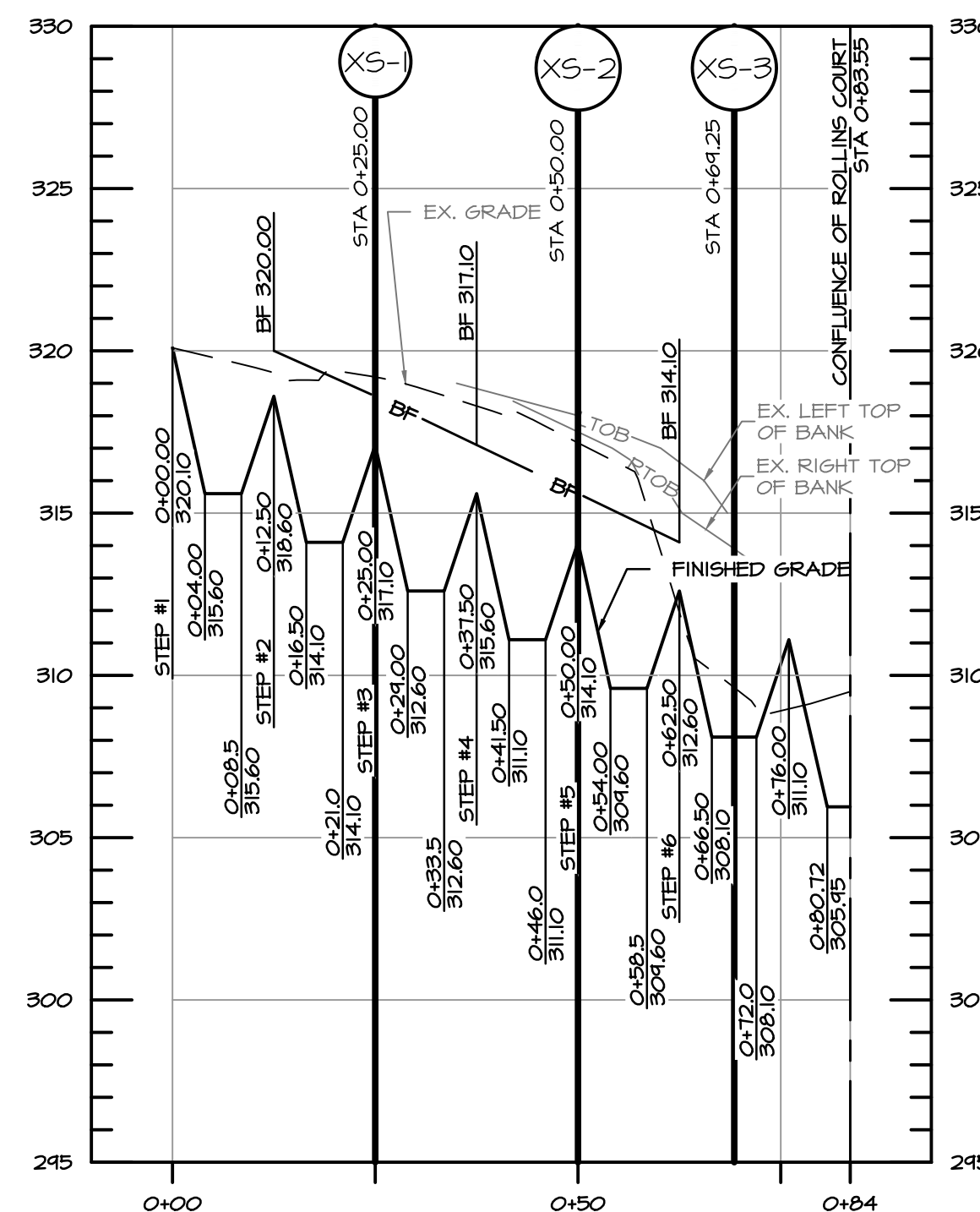
PROFILE ROLLINS COURT STA: 3+00 TO STA: 9+00

SCALE: HORIZ. 1" = 20'
VERT. 1" = 5'



PROFILE ROLLINS COURT BRANCH #1
STA: 0+00 TO STA: 0+71

SCALE: HORIZ. 1" = 20'
VERT. 1" = 5'



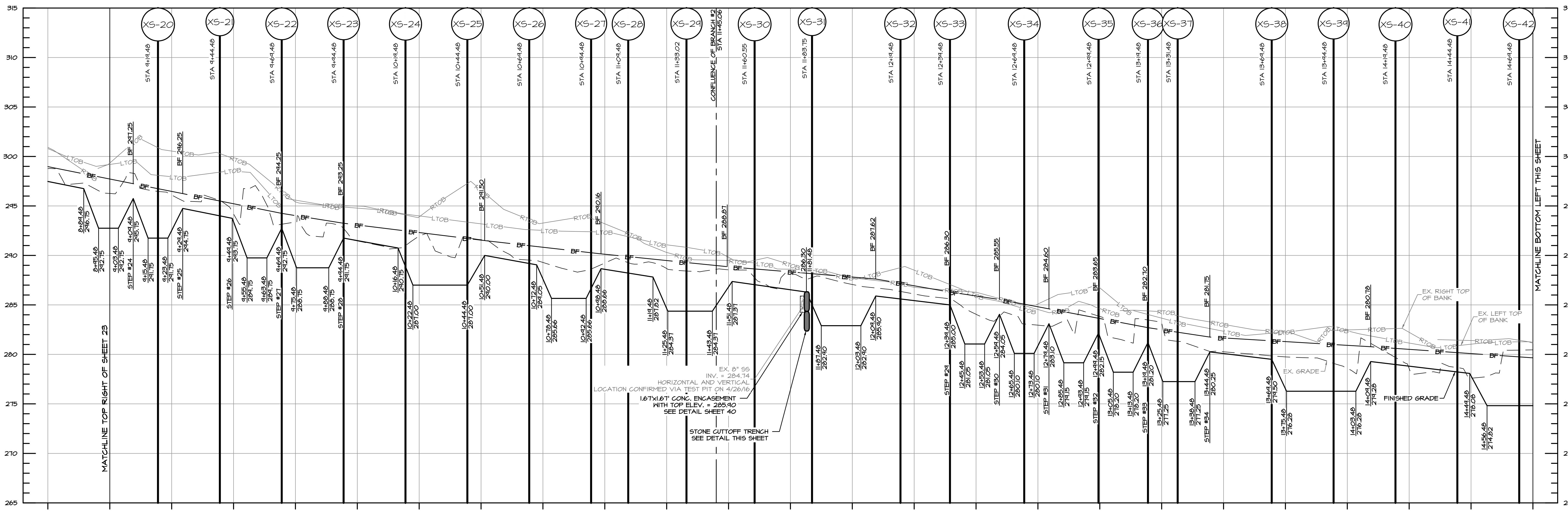
PROFILE ROLLINS COURT BRANCH #3 STA: 0+00 TO STA: 0+84

SCALE: HORIZ. 1" = 20'
VERT. 1" = 5'

EG-SWMENG-000135-2015 #99974

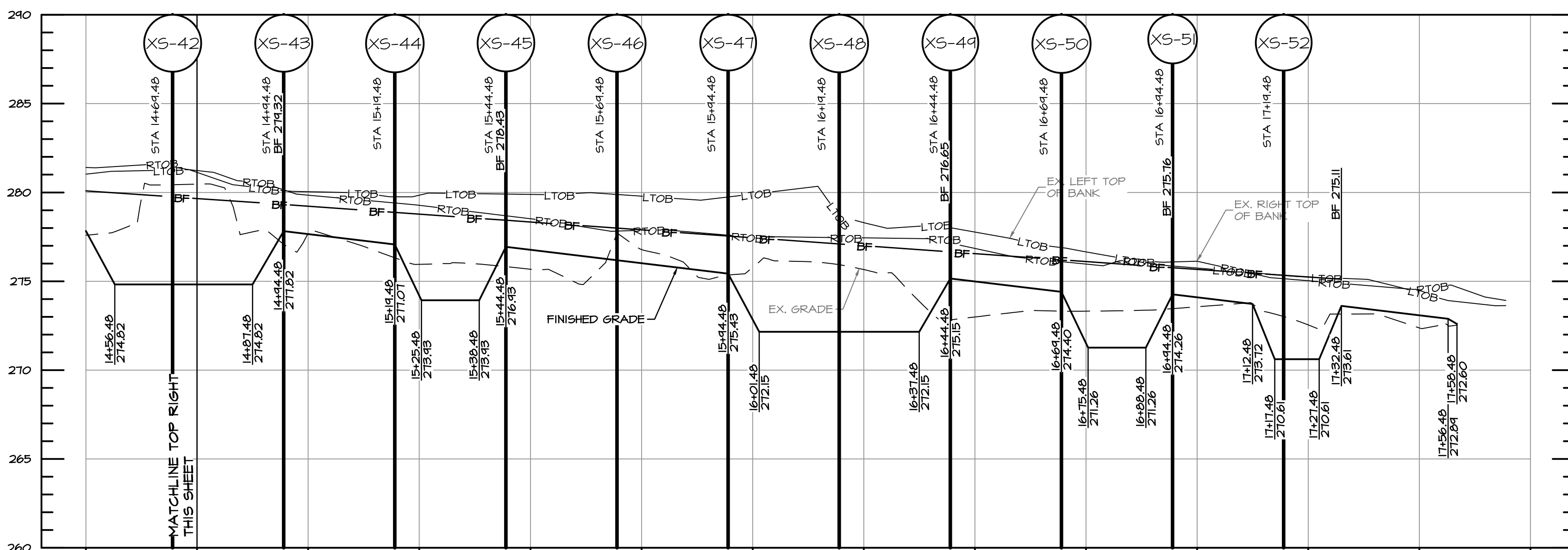


REVISIONS		HARFORD COUNTY, MARYLAND	
		BARRINGTON PLACE STREAM RESTORATION PROFILE - ROLLINS COURT TRIBUTARY	
DRAWN BY: MDD		CONTRACT NO. :	
DESIGNED BY: RP/MDD		SCALE :AS SHOWN	
REVIEWED BY :CJS		SHEET 23 OF 53	
		DATE :01/27/17	



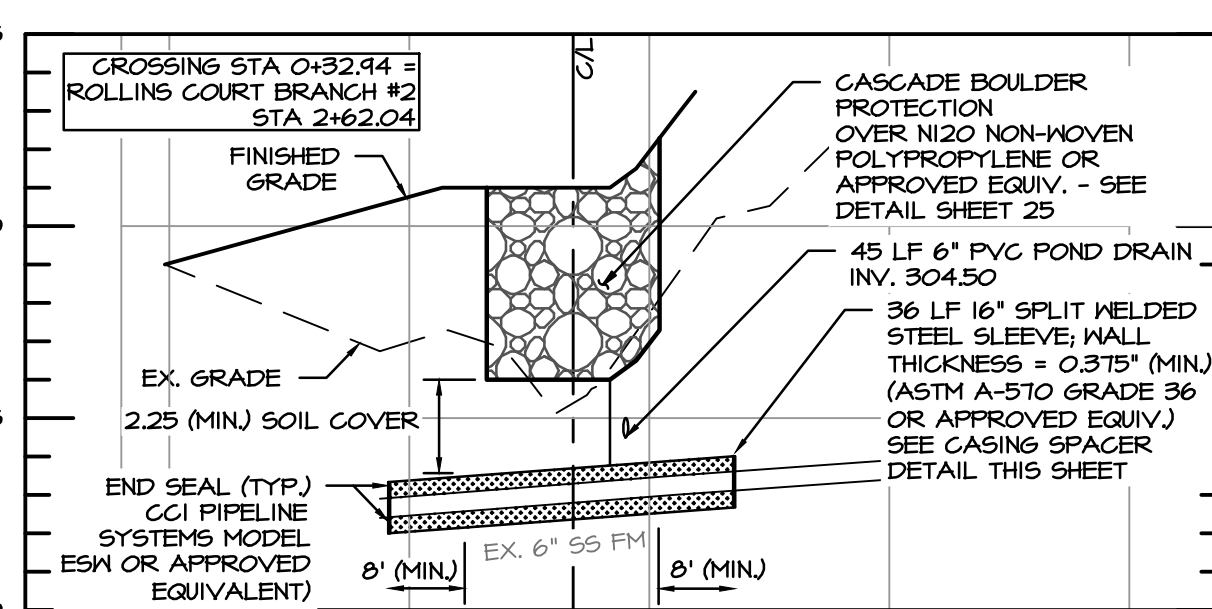
PROFILE ROLLINS COURT STA: 8+75 TO STA: 14+75

SCALE: HORIZ. 1" = 20'
VERT. 1" = 5'



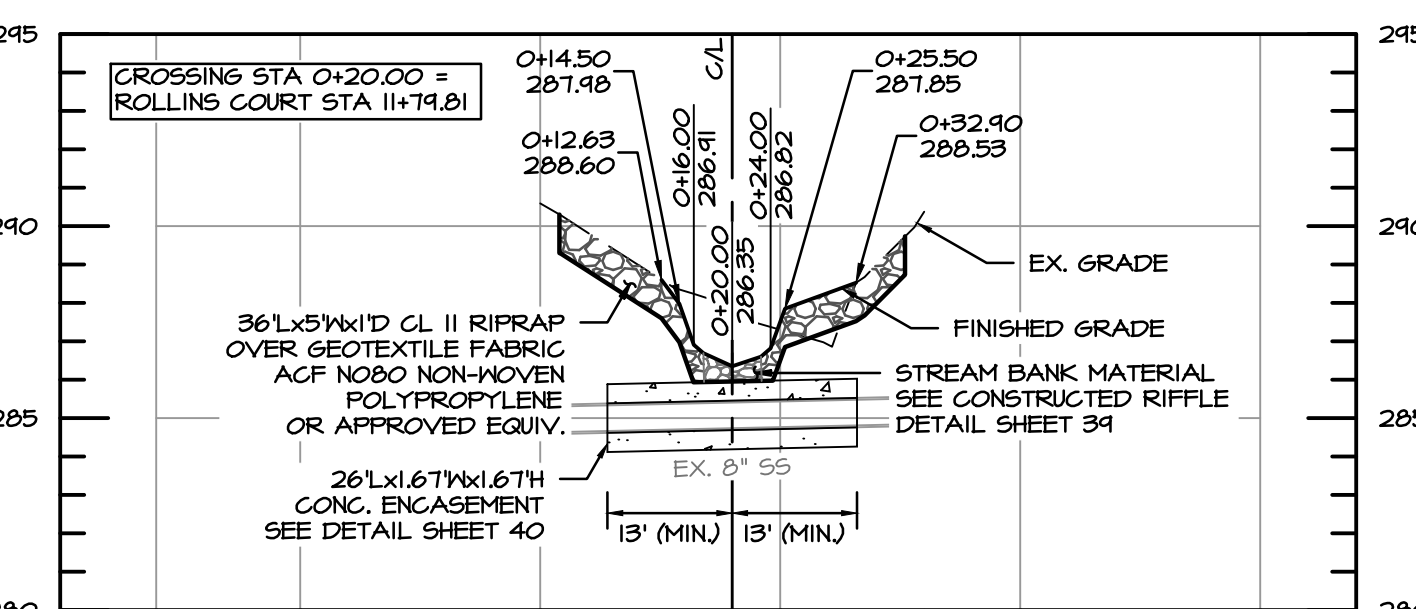
PROFILE ROLLINS COURT STA: 14+50 TO STA: 17+75

SCALE: HORIZ. 1" = 20'
VERT. 1" = 5'



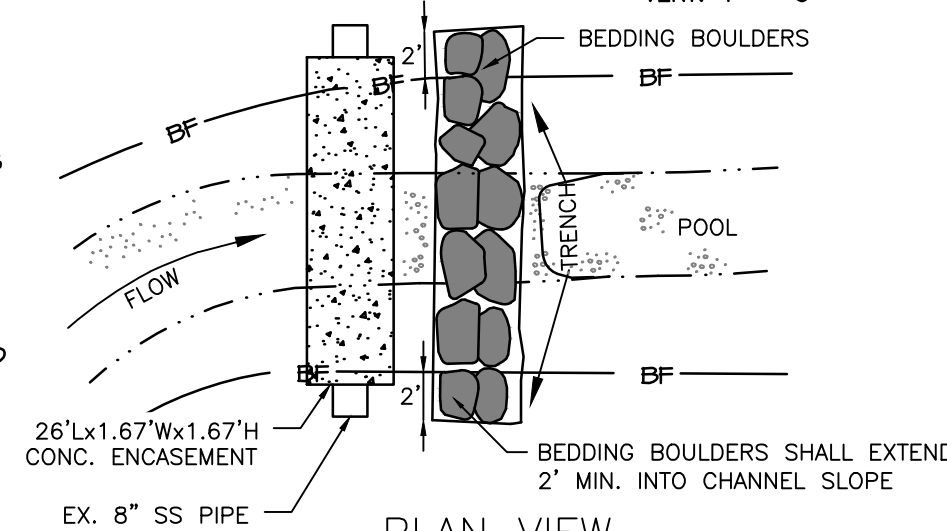
PROFILE EX. 6IN S.S. F.M. CROSSING

SCALE: HORIZ. 1" = 20'
VERT. 1" = 5'

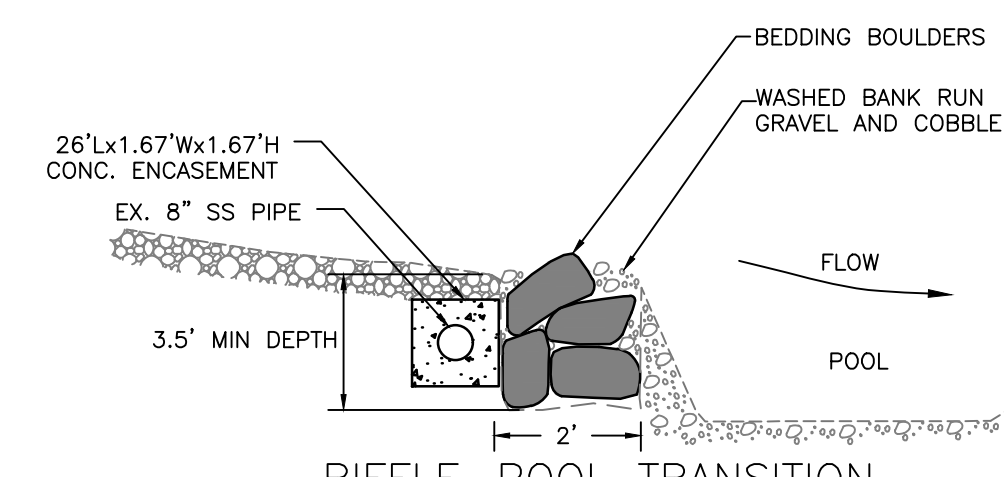


PROFILE EX. 8IN S.S. CROSSING

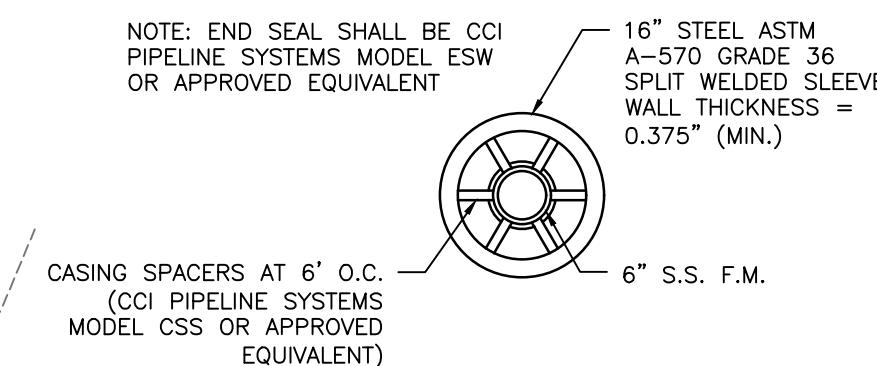
SCALE: HORIZ. 1" = 20'
VERT. 1" = 5'



PLAN VIEW



RIFFLE-POOL TRANSITION



CASING SPACER DETAIL

SCALE: 1" = 4'

STONE CUTOFF TRENCH NOTES

1. INSTALLATION OF THE STONE CUTOFF TRENCH WILL INVOLVE EXCAVATING A TRENCH ACROSS THE EXISTING STREAMBED AND BACKFILLING WITH BEDDING BOULDERS TO FORM THE MAIN COMPONENTS OF THE STONE CUTOFF TRENCH STRUCTURE. WASHED BANK RUN GRAVEL AND COBBLE WILL BE UTILIZED TO FILL THE VOIDS BETWEEN THE BOULDERS AND COMPLETE THE SILL STRUCTURES.
2. THE ROCKS SHALL CONSIST OF ROUND, SUBANGULAR, OR ANGULAR ROCK, SIMILAR IN COLOR, TEXTURE AND DENSITY TO THE NATIVE ROCK ON THE SITE.
3. THE DIMENSIONS OF THE BOULDERS WILL BE A MINIMUM OF 1.5 FOOT AND MAXIMUM OF 2.5 FEET IN DIAMETER. THE COBBLE SIZE MATERIAL WILL RANGE FROM 2.5 INCHES TO 9 INCHES IN DIAMETER AND THE GRAVEL SIZE MATERIAL WILL RANGE FROM 0.5 INCHES TO 2 INCHES IN DIAMETER.
4. THE STONE CUTOFF TRENCH SHALL BE CONSTRUCTED PERPENDICULAR TO THE FLOW, EXTENDING A MINIMUM OF 2FT INTO THE EXISTING CHANNEL SLOPE FROM BOTTOM OF SLOPE.

SANITARY SEWER AND SEWER FORCE MAIN NOTES

1. UNRESTRICTED ACCESS TO THE SEWER PUMPING STATION SHALL BE MAINTAINED AT ALL TIMES.
2. CONTRACTOR SHALL NOTIFY THE DIVISION OF WATER AND SEWER AT 410.612.1612 PRIOR TO EXCAVATION OF THE GRAVITY SEWER OR SEWER FORCE MAIN. STAFF OF WATER AND SEWER MAINTENANCE MUST INSPECT THE EXPOSED PIPE PRIOR TO ENCASING IN CONCRETE A PIPE SLEEVE.
3. ANY PIPE JOINT TO BE ENCASED SHALL BE WRAPPED IN POLYETHYLENE SHEETING TO PROTECT THE JOINT MATERIAL.
4. THE EXPOSED GRAVITY SEWER SHALL BE SUPPORTED ALONG ITS LENGTH TO PREVENT SAGGING AND DISPLACEMENT.
5. THE EXPOSED SEWER FORCE MAIN SHALL BE SUPPORTED AND RESTRAINED TO PREVENT SAGGING OR MOVEMENT WHEN THE FORCE MAIN BECOMES PRESSURIZED.
6. SEWER DISCHARGE OR OVERFLOW TO THE ENVIRONMENT IS STRICTLY PROHIBITED. CONTRACTOR IS RESPONSIBLE FOR ANY OVERFLOWS RESULTING FROM HIS/HER ACTIONS. NOTIFY THE DIVISION OF WATER AND SEWER (410.612.1612) IMMEDIATELY IN THE EVENT OF ANY DAMAGE TO OR OVERFLOW FROM THE SEWER SYSTEM.

6IN SANITARY F.M. DETAIL

SCALE: 1" = 4'

EG-SWMENG-000135-2015 #99974

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BAYLAND JOB NO. 4-3602

STATE OF MARYLAND
CHRISTOPHER JOHNS
REGISTERED PROFESSIONAL ENGINEER
NO. 30146

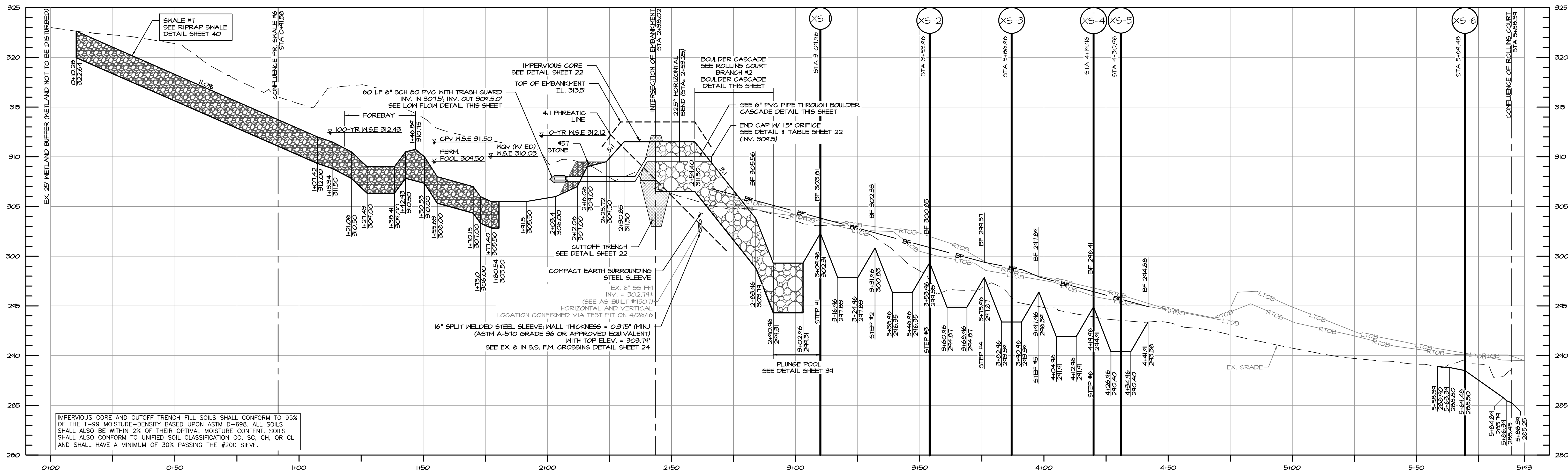
REVISIONS

HARFORD COUNTY, MARYLAND

BARRINGTON PLACE STREAM RESTORATION
PROFILE & DETAIL - ROLLINS COURT TRIBUTARY

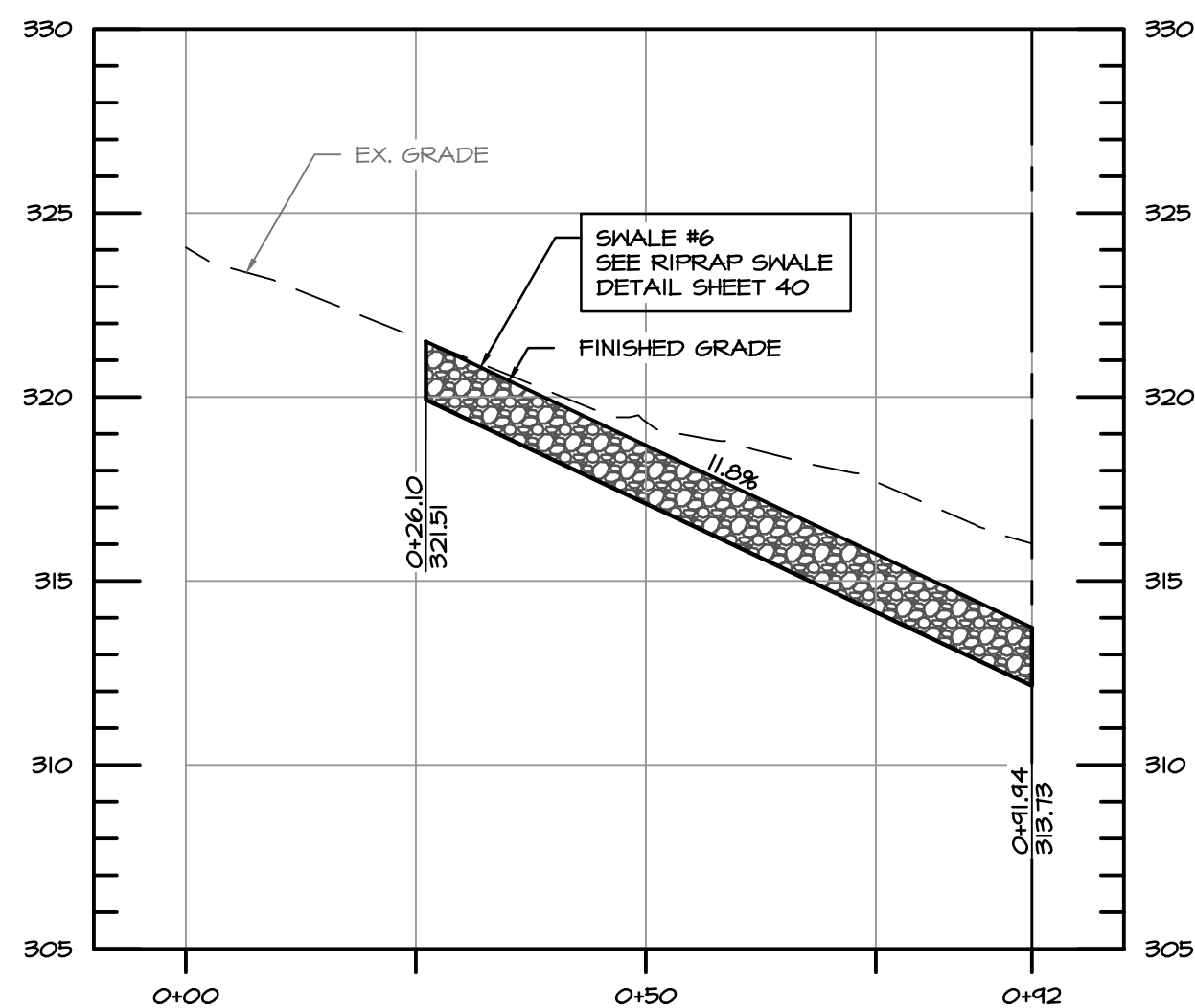
DRAWN BY: MDD
DESIGNED BY: RP/MDD
REVIEWED BY: CJS

CONTRACT NO.:
SCALE: AS SHOWN
SHEET 24 OF 53
DATE: 01/27/17



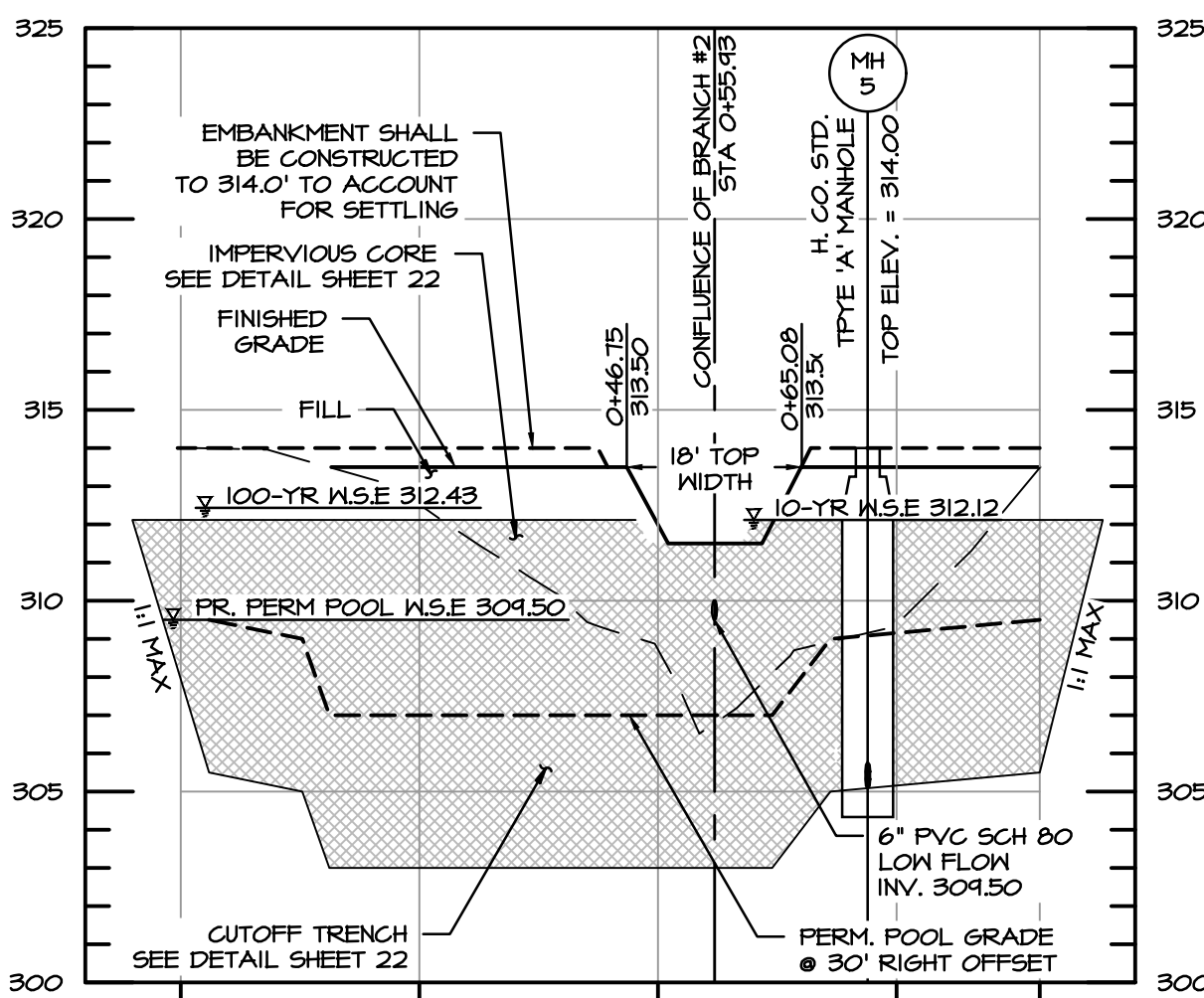
PROFILE ROLLINS COURT BRANCH #2 STA: 0+00 TO STA: 5+93

SCALE: HORIZ. 1" = 20'
VERT. 1" = 5'



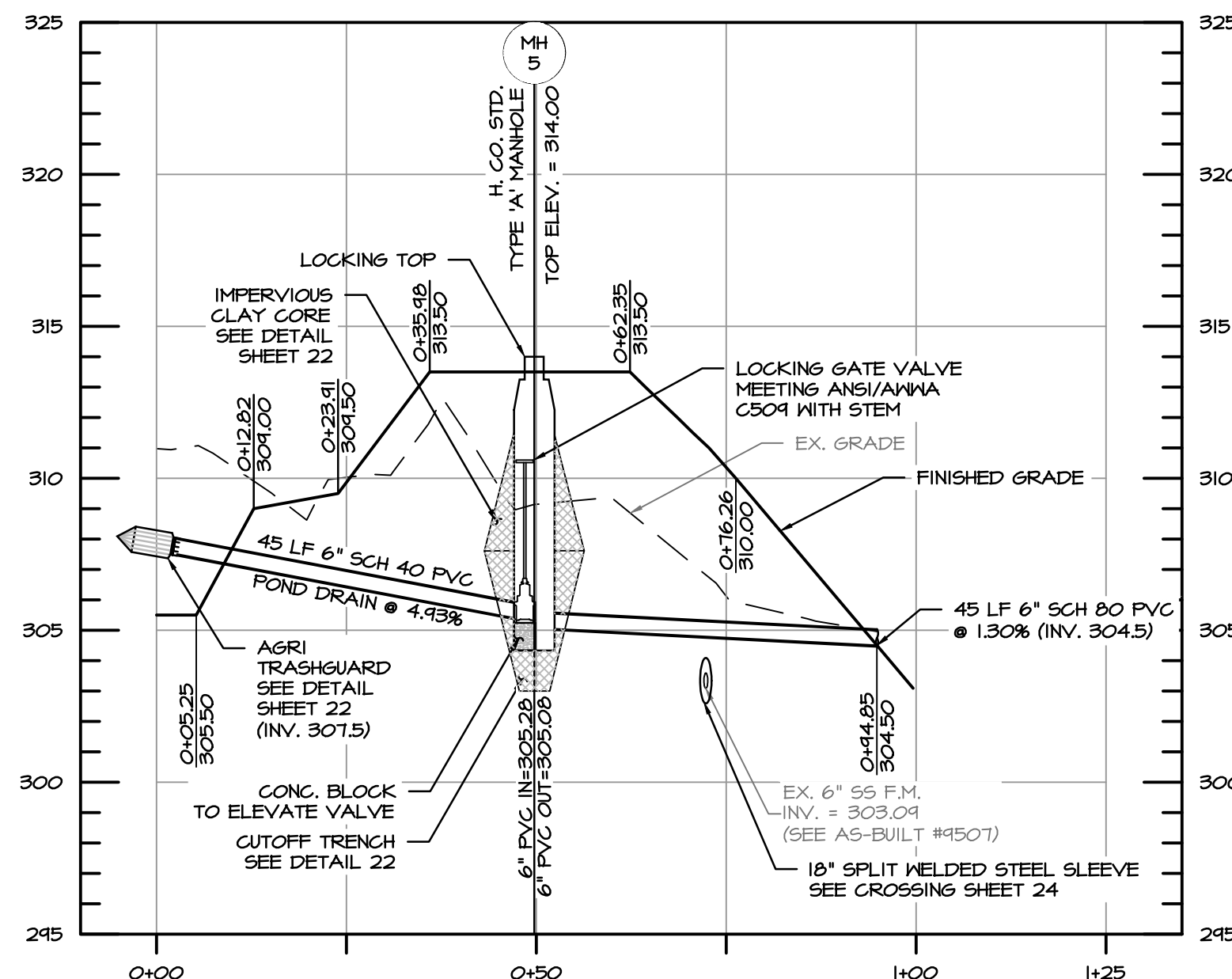
PROFILE ROLLINS COURT BRANCH #2
SWM POND INFLOW SWALE #6
STA: 0+00 TO STA: 0+92

SCALE: HORIZ. 1" = 20'
VERT. 1" = 5'



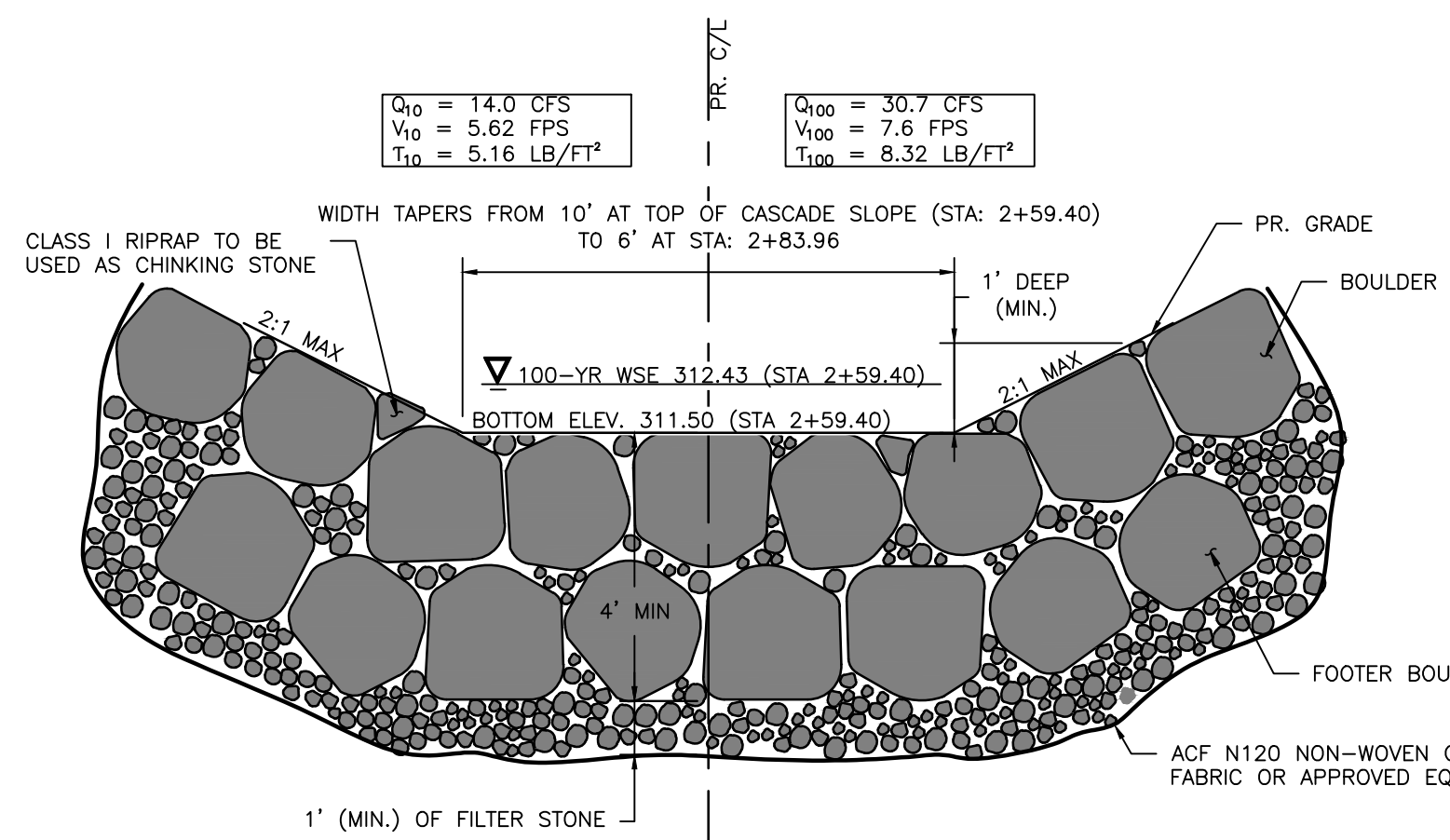
PROFILE ROLLINS COURT BRANCH #2
SWM POND EMBANKMENT
STA: 0+00 TO STA: 0+90

SCALE: HORIZ. 1" = 20'
VERT. 1" = 5'



PROFILE ROLLINS COURT BRANCH #2
SWM POND DRAIN
STA: 0+00 TO STA: 1+25

SCALE: HORIZ. 1" = 20'
VERT. 1" = 5'



SECTION OF ROLLINS COURT BRANCH #2 BOULDER CASCADE
STA: 2+59.40 - 2+90.96

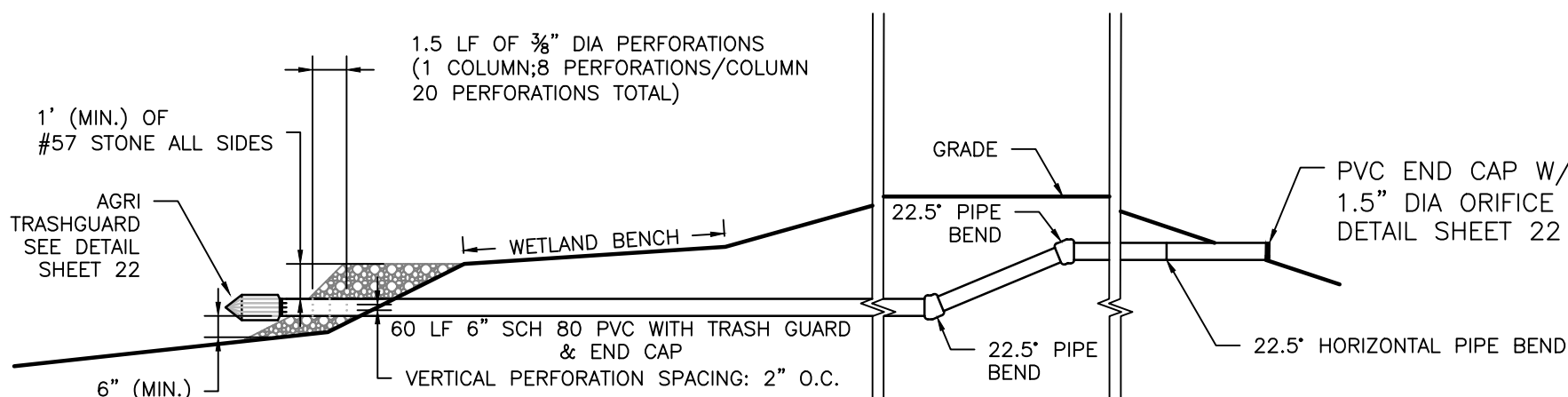
SCALE: NTS

BOULDER CASCADE NOTES

- ALL MATERIALS SHALL BE UNDERLAIN BY ACF N120 POLYPROPYLENE NONWOVEN GEOTEXTILE FABRIC OR EQUAL.
- WHEN BACKFILLING, ALL MATERIAL SHALL BE COMPACTED FIRMLY IN ALL VOIDS TO SECURE STONE. ALL UNDERLYING SOIL SHALL BE COMPACTED TO MD-378 STANDARDS.
- CASCADE AND PLUNGE POOL SHALL BE CONSTRUCTED SUCH THAT ALL ROCKS SECURELY INTERLOCK AND SHALL NOT ROCK OR ROTATE IN PLACE.
- ALL ROCK SHALL BE GRANITE ROCK THAT IS TAN, DARK BROWN, OR DARK GRAY IN COLOR. ROCKS NOT MEETING SPECIFICATIONS SHALL BE REMOVED AND REPLACED AT NO COST TO THE OWNER. SEE ROCK SIZING TABLE SHEET 22.
- AFTER THE PLACEMENT OF THE BOULDERS, ONLY SURFACE VOIDS AT OR NEAR GRADE, WHICH ARE LARGE ENOUGH TO RECEIVE CHINKING STONES SHALL BE FILLED.

6" PVC PIPE THROUGH BOULDER CASCADE

SCALE: NTS



ROLLINS COURT BRANCH #2 SWM POND LOW FLOW

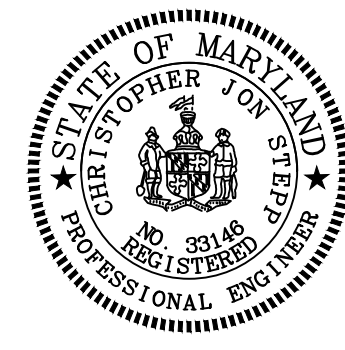
SCALE: NTS

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Hanover, Maryland 21076 Fax: (410) 694-9405
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BAYLAND JOB NO. 4_3602



REVISIONS

HARFORD COUNTY, MARYLAND

BARRINGTON PLACE STREAM RESTORATION
PROFILE - ROLLINS COURT BRANCH #2

DRAWN BY: MDD

DESIGNED BY: RP/MDD

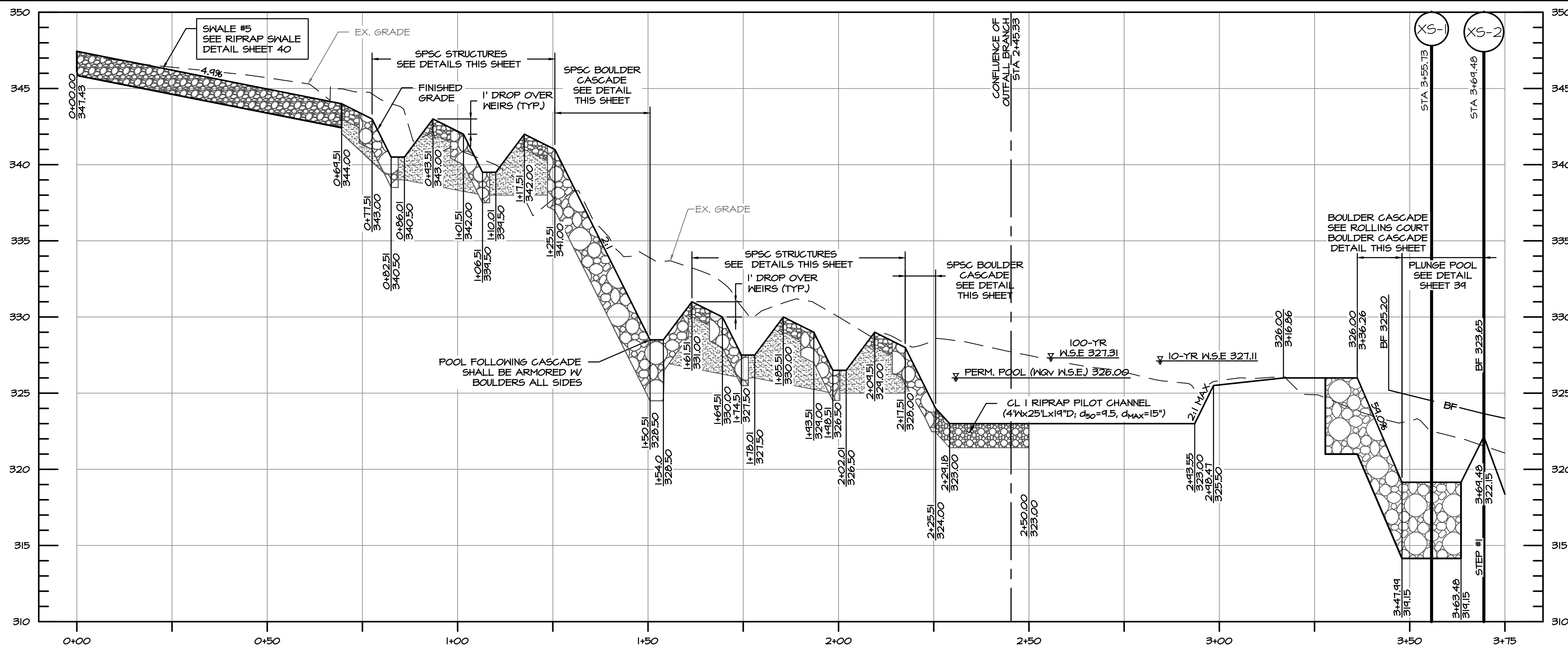
REVIEWED BY: CJS

CONTRACT NO. :

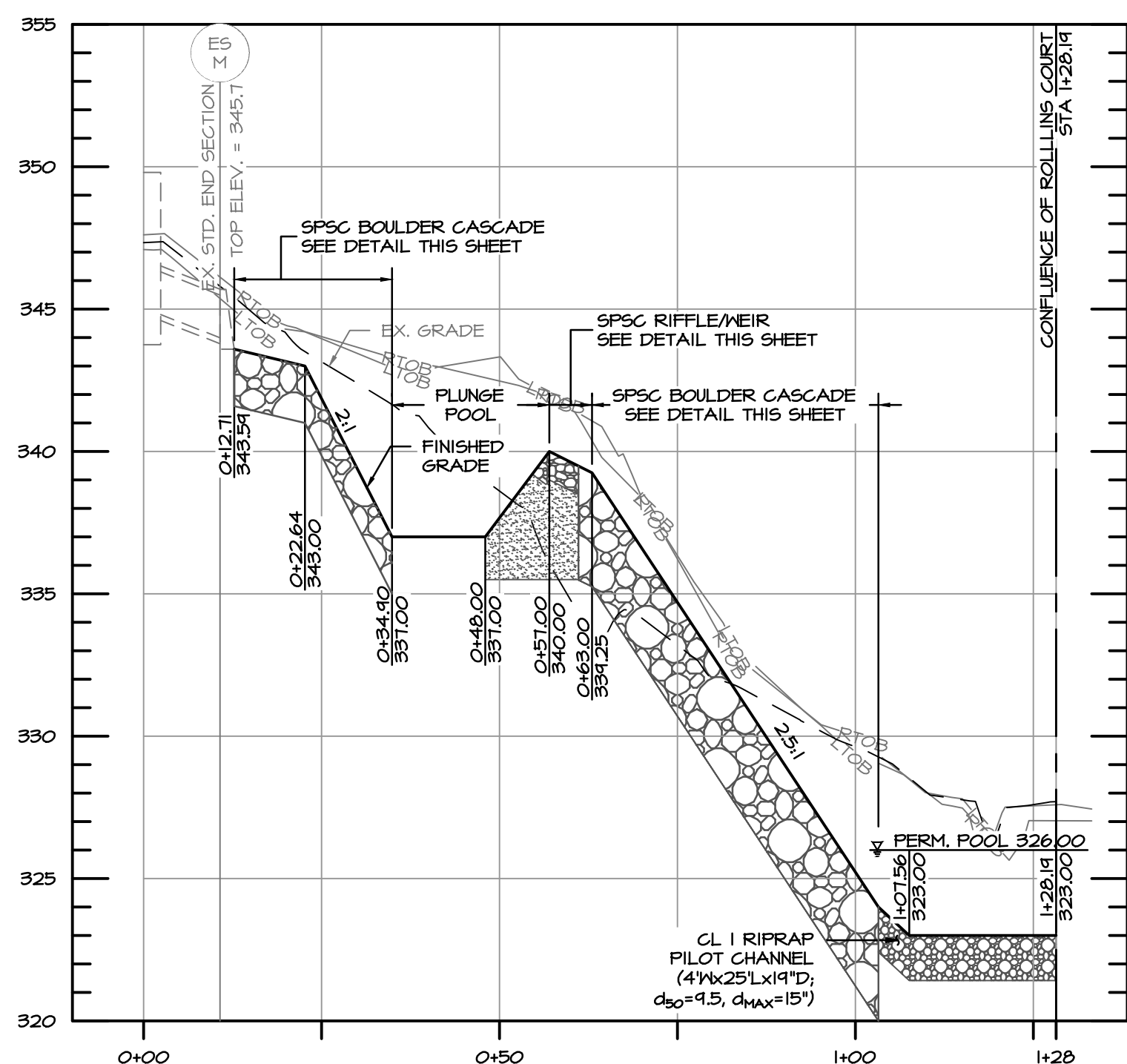
SCALE :AS SHOWN

SHEET 25 OF 53

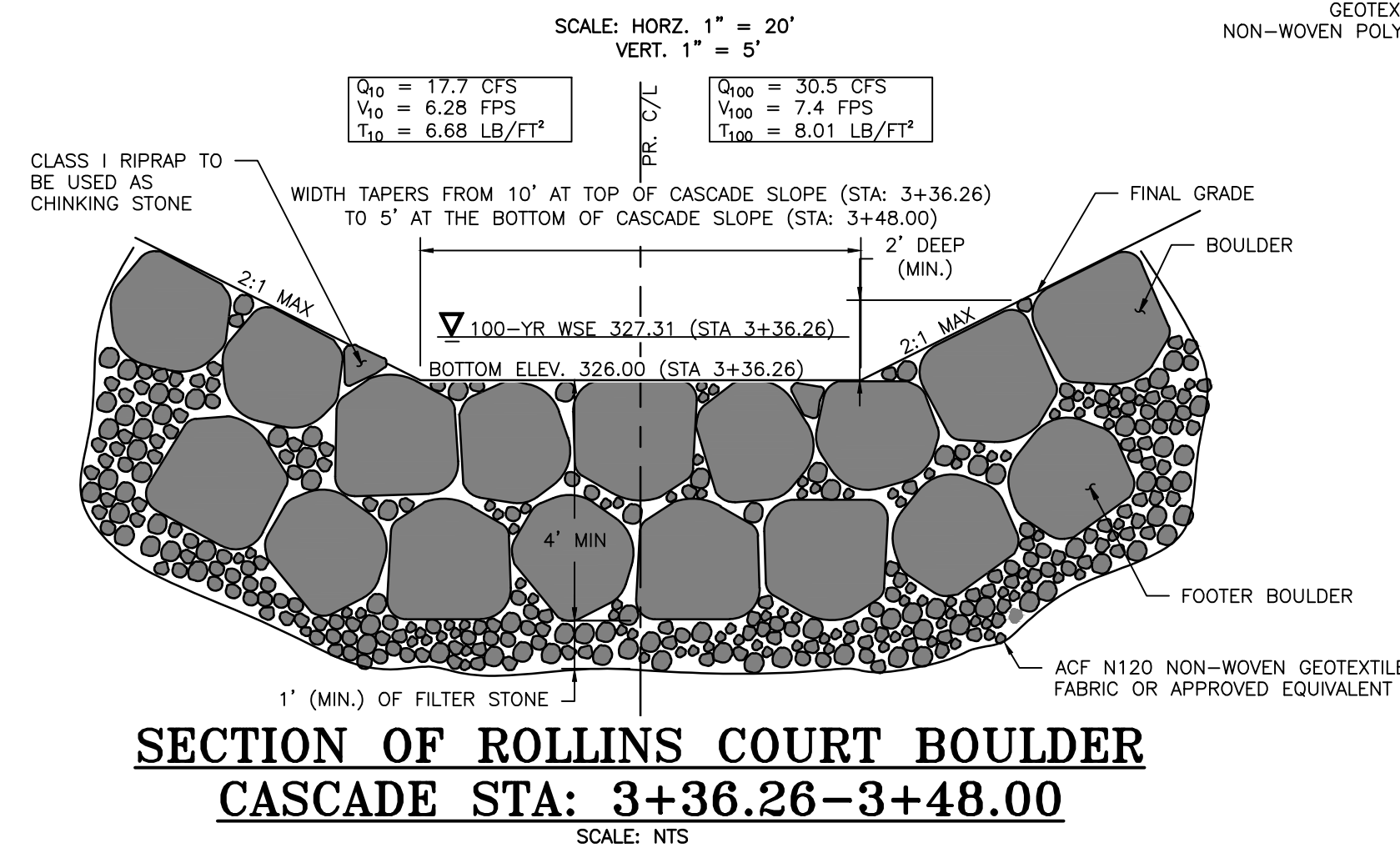
DATE :01/27/17



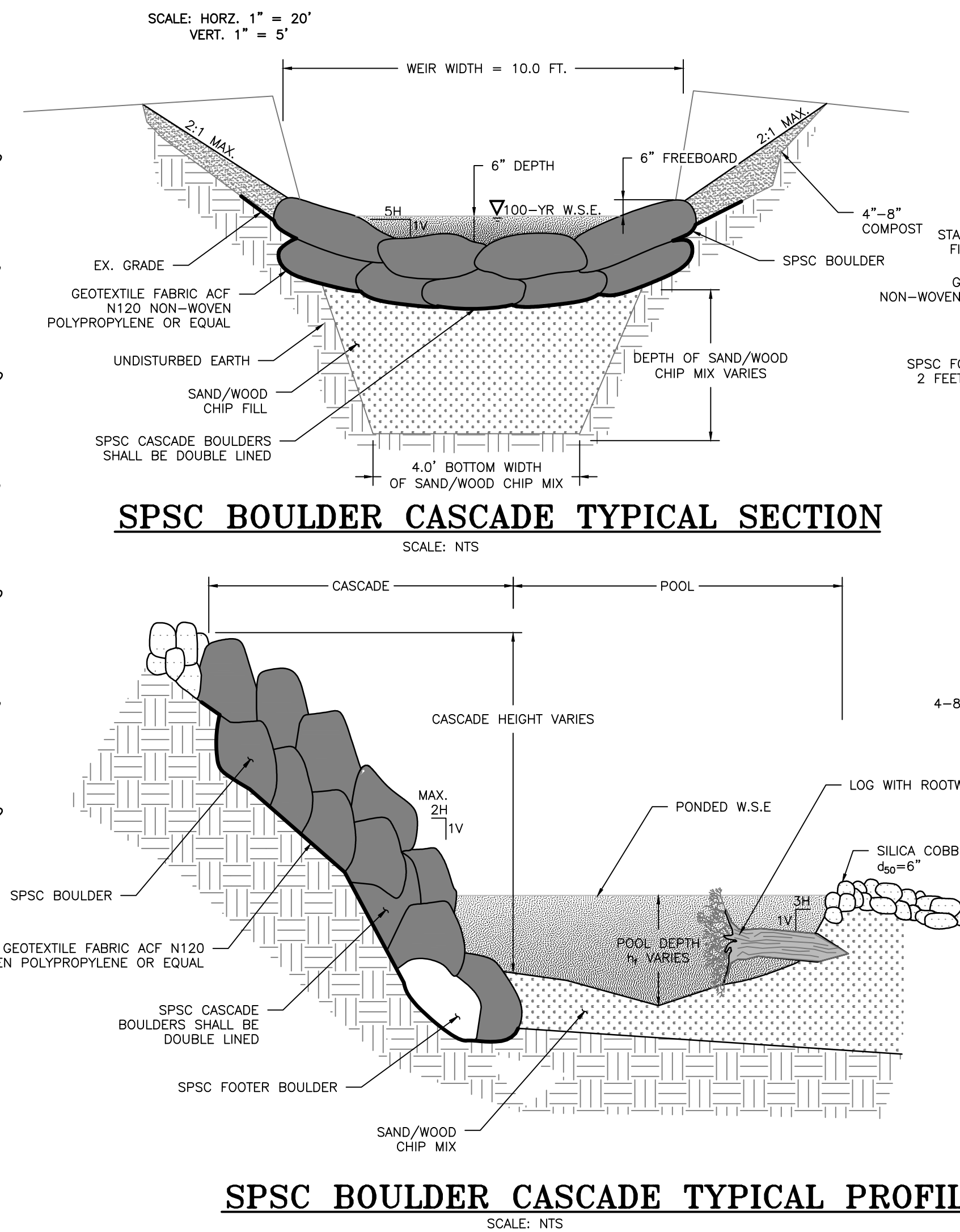
PROFILE ROLLINS COURT STA: 0+00 TO STA: 3+75



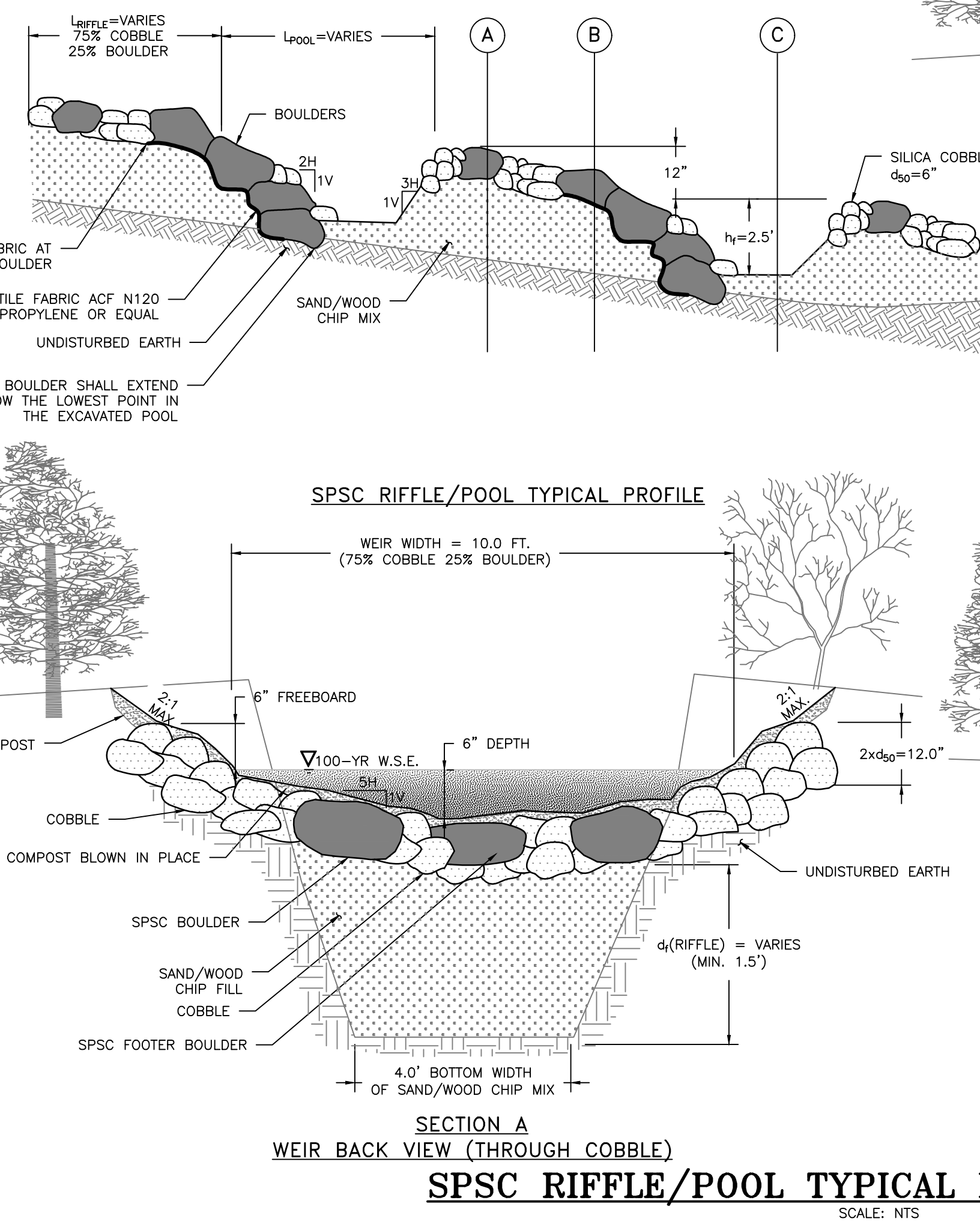
PROFILE ROLLINS COURT OUTFALL BRANCH
SWM POND STA: 0+00 TO STA: 1+28



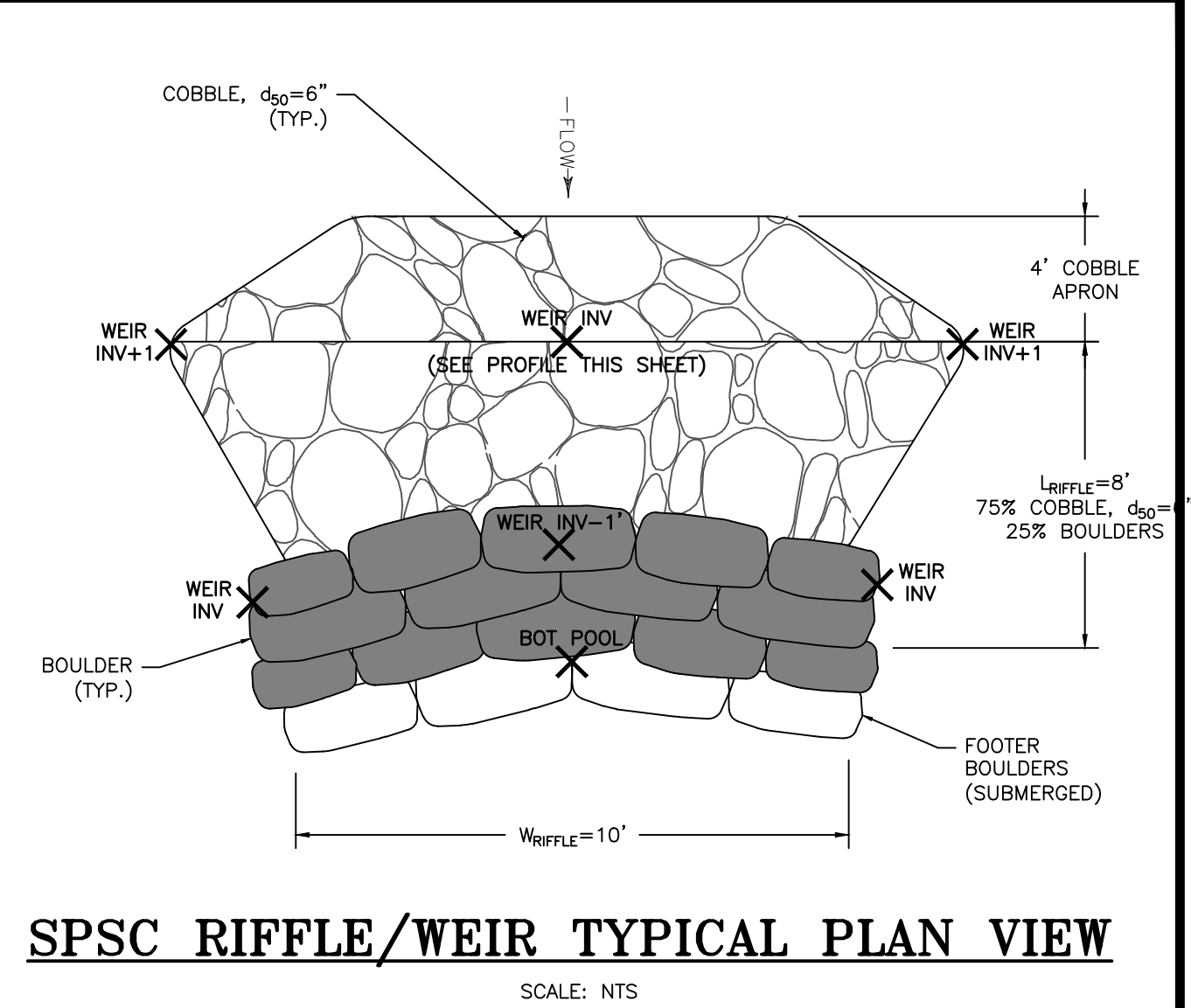
SECTION OF ROLLINS COURT BOULDER
CASCADE STA: 3+36.26-3+48.00



SPSC BOULDER CASCADE TYPICAL PROFILE



SPSC RIFFLE/POOL TYPICAL PROFILE & SECTIONS



SPSC RIFFLE/WEIR TYPICAL PLAN VIEW

BOULDER CASCADE NOTES

- ALL MATERIALS SHALL BE UNDERLAIN BY ACF N120 POLYPROPYLENE NONWOVEN GEOTEXTILE FABRIC OR EQUAL.
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SPSC ROCK SIZE TABLE

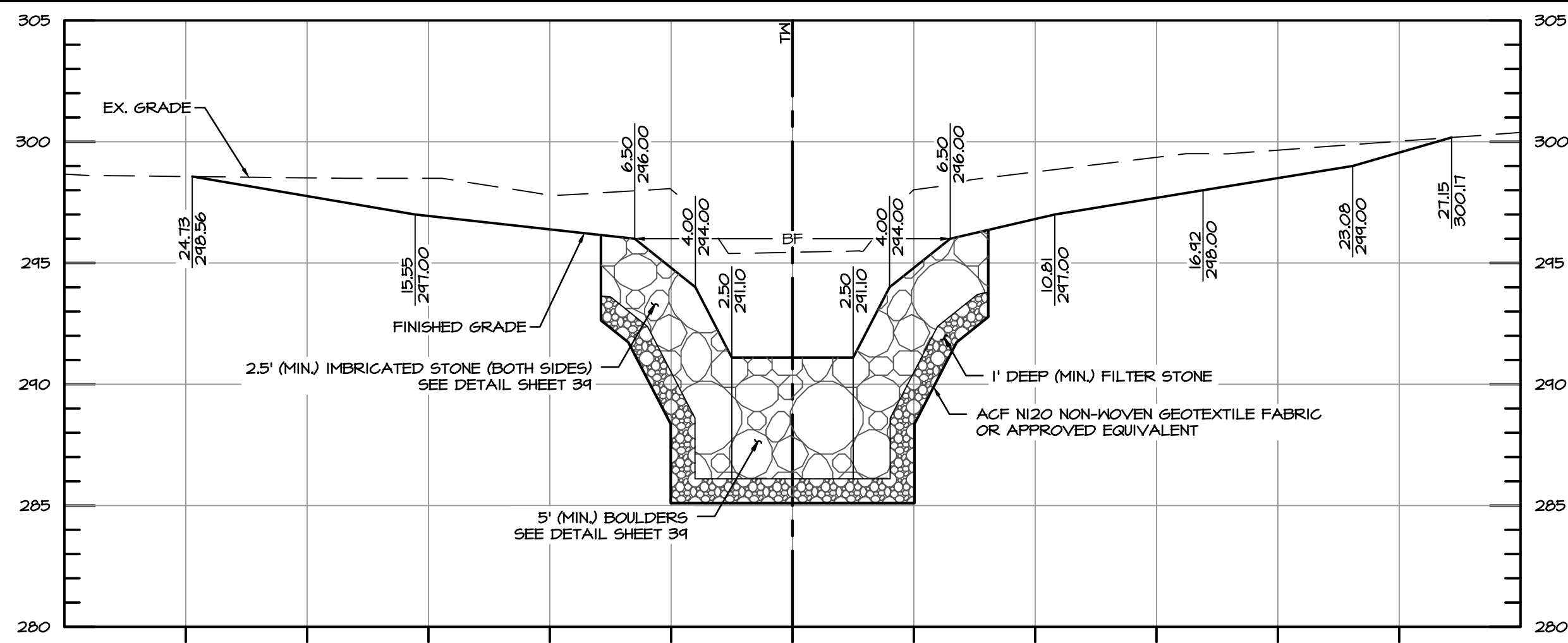
ROCK TYPE	ROCK SIZE	% BY WEIGHT
COBBLE	D50 = 6"	-
SPSC BOULDERS	GREATER THAN 6'X2'X2' 3'X2'X2' TO 6'X2'X2' LESS THAN 3'X2'X2'	10 80 10
SAND/WOODCHIP MIX	SAND: 0.02"-0.04" (AASHTO M-6 OR ASTM C-33)	-

NOTE:
BOULDERS SHALL BE STACKABLE, OBLONG AND FLAT IN APPEARANCE

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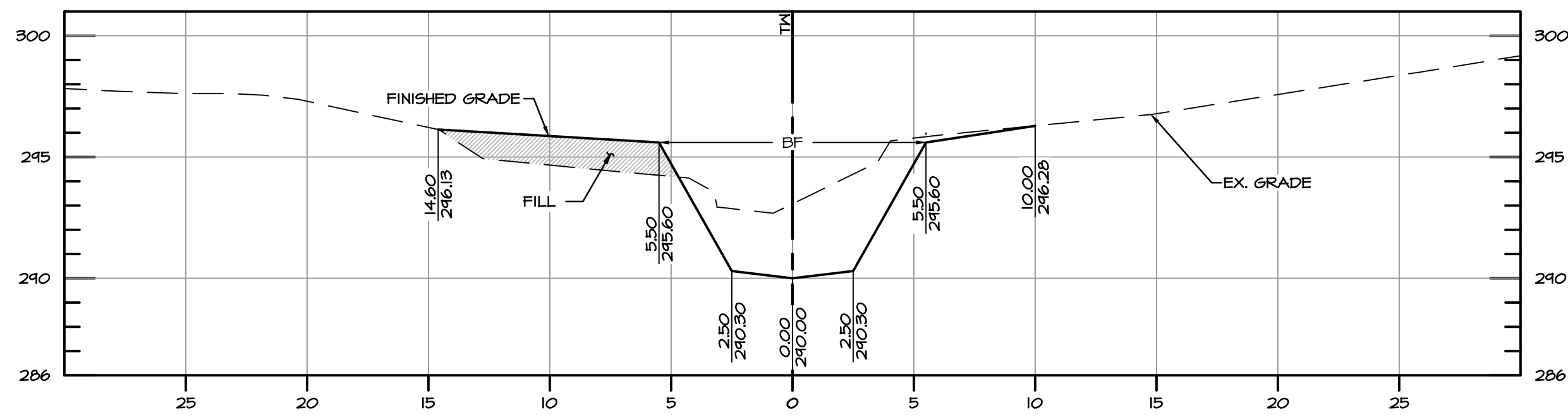


REVISIONS		HARFORD COUNTY, MARYLAND	
BARRINGTON PLACE STREAM RESTORATION PROFILE - ROLLINS COURT WETLAND & DETAILS		DRAWN BY: MDD DESIGNED BY: RP/MDD REVIEWED BY: CJS	
CONTRACT NO. : SCALE : AS SHOWN SHEET 26 OF 53 DATE : 01/27/17		BAYLAND JOB NO. 4_3602	



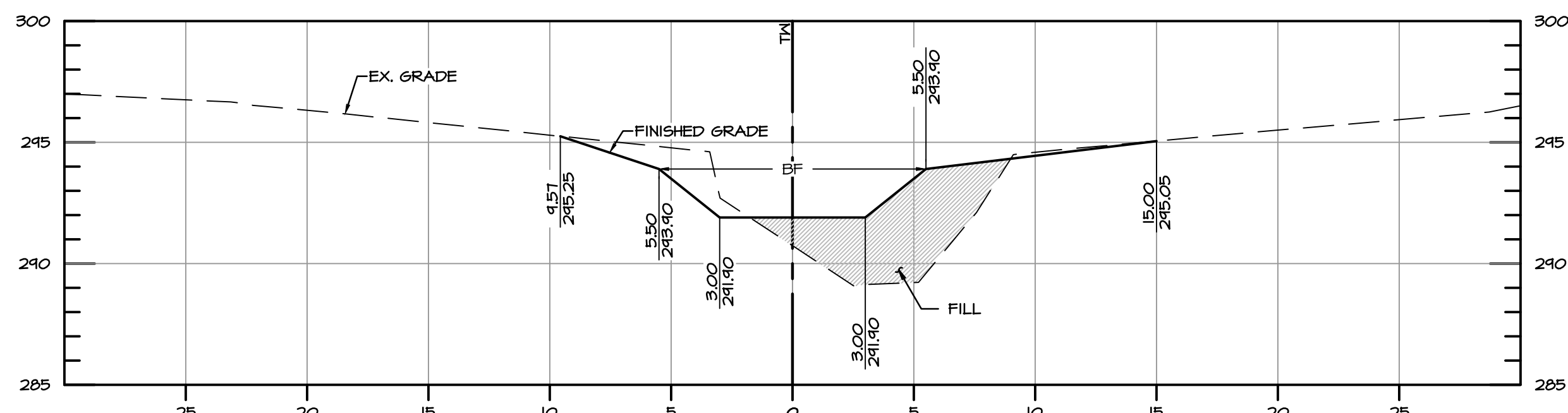
BARRINGTON PLACE XS-1 STA 2+86.27 (PLUNGE POOL)

SCALE: 1" = 5'



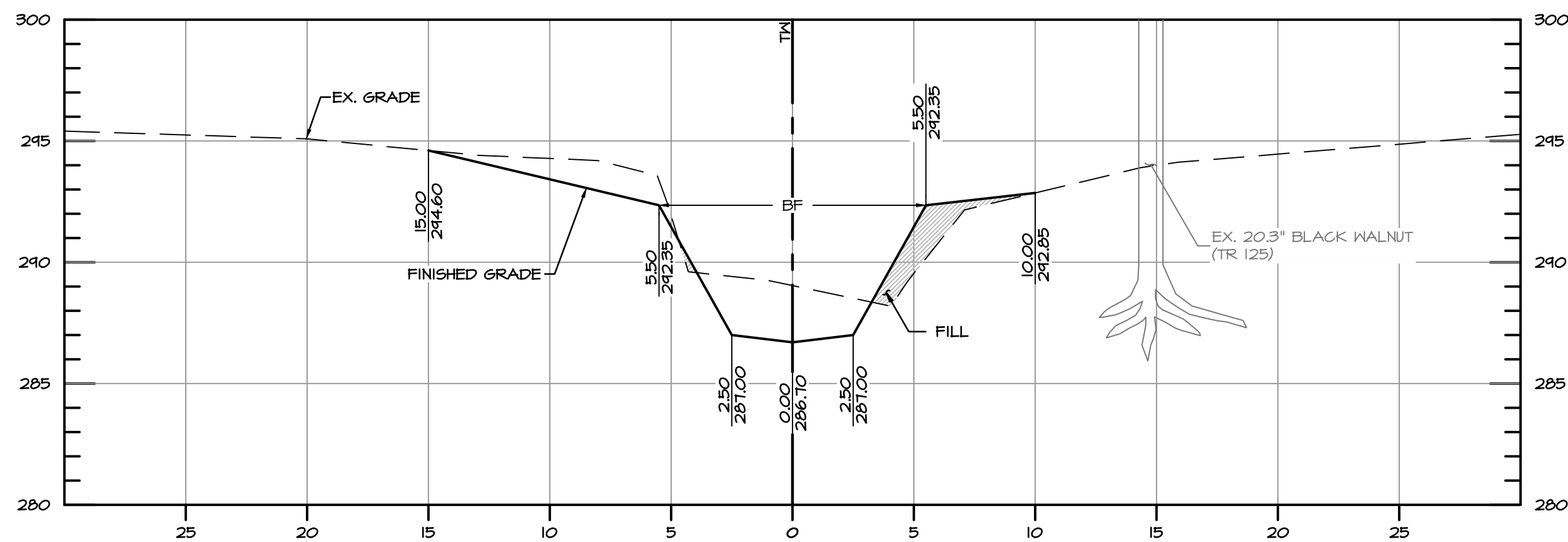
BARRINGTON PLACE XS-2 STA 3+16.27 (POOL)

SCALE: 1" = 5'



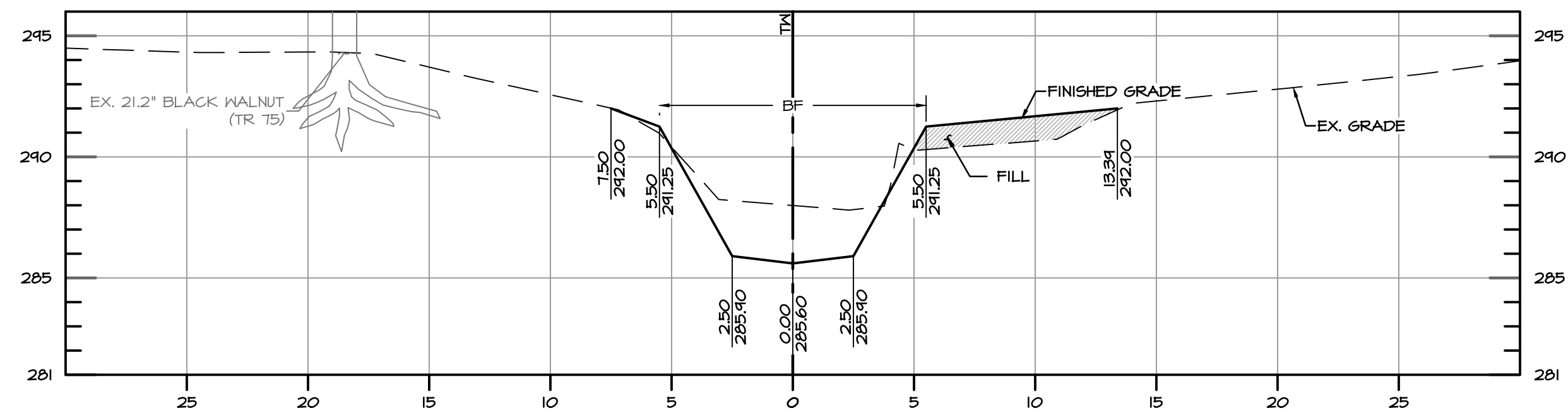
BARRINGTON PLACE XS-3 STA 3+47.27 (STEP 3)

SCALE: 1" = 5'



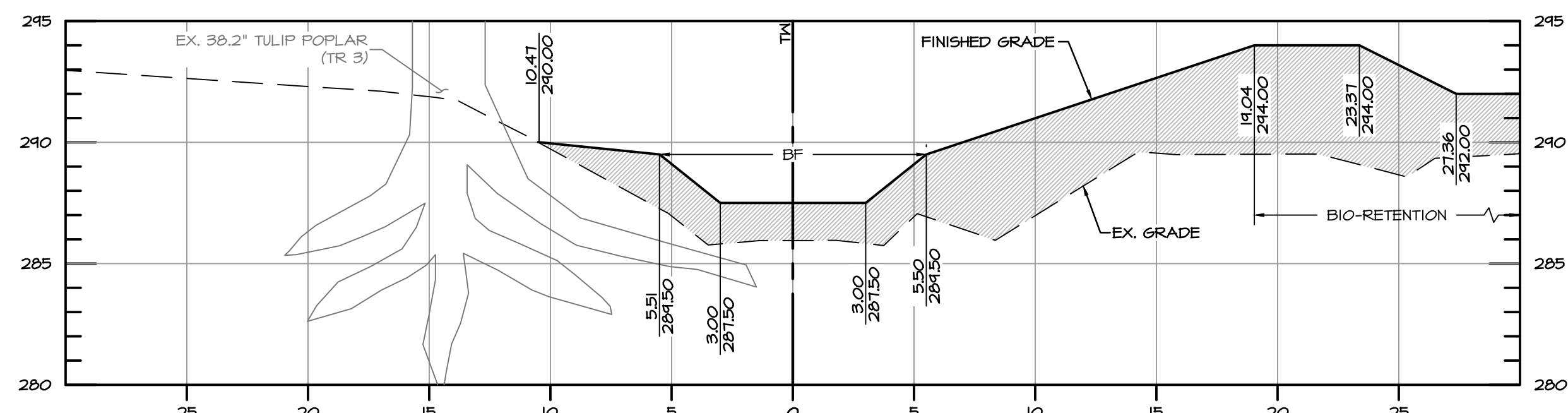
BARRINGTON PLACE XS-4 STA 3+78.27 (POOL)

SCALE: 1" = 5'



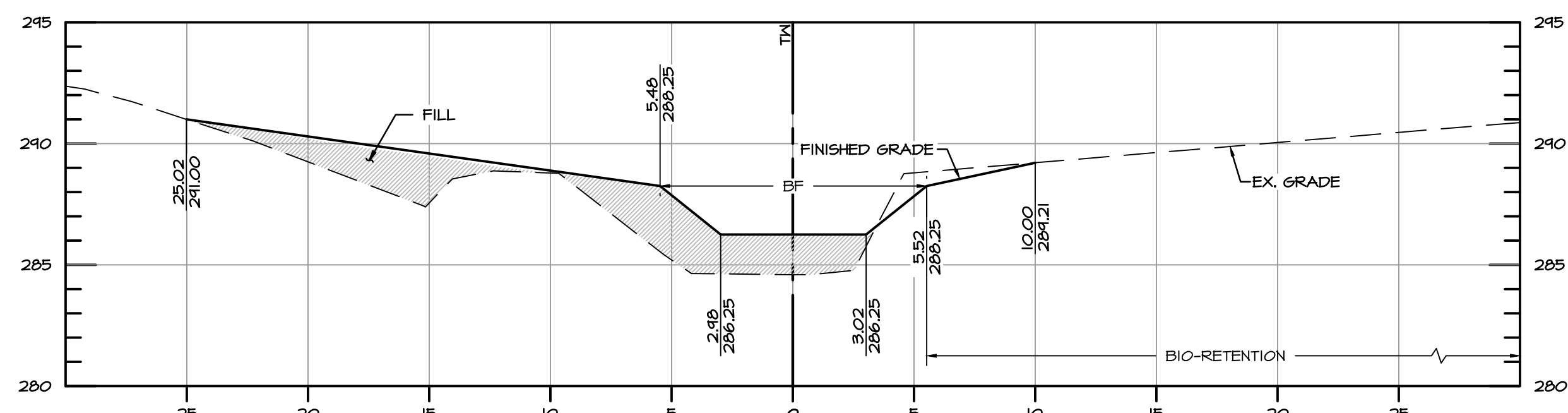
BARRINGTON PLACE XS-5 STA 4+01.27 (POOL)

SCALE: 1" = 5'



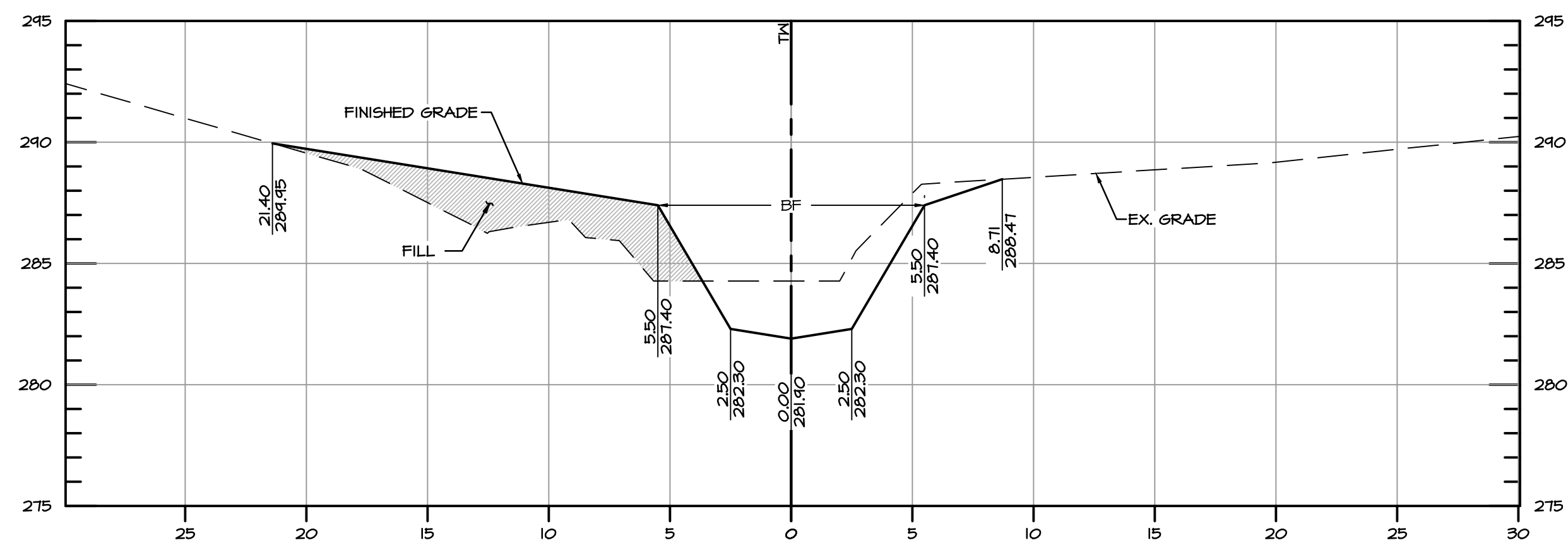
BARRINGTON PLACE XS-6 STA 4+31.27 (STEP 7)

SCALE: 1" = 5'



BARRINGTON PLACE XS-7 STA 4+52.27 (STEP 8)

SCALE: 1" = 5'



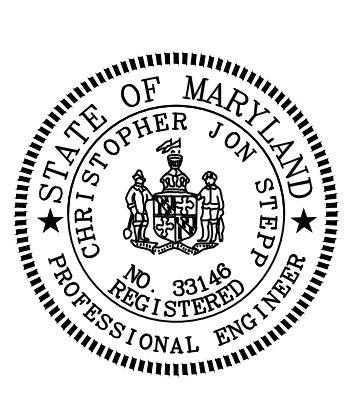
BARRINGTON PLACE XS-8 STA 4+62.27 (POOL)

SCALE: 1" = 5'

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BAYLAND JOB NO. 4_3602

REVISIONS

HARFORD COUNTY, MARYLAND

**BARRINGTON PLACE STREAM RESTORATION
CROSS SECTIONS - BARRINGTON PLACE TRIBUTARY**

DRAWN BY: MDD

DESIGNED BY: RP/MDD

REVIEWED BY: CJS

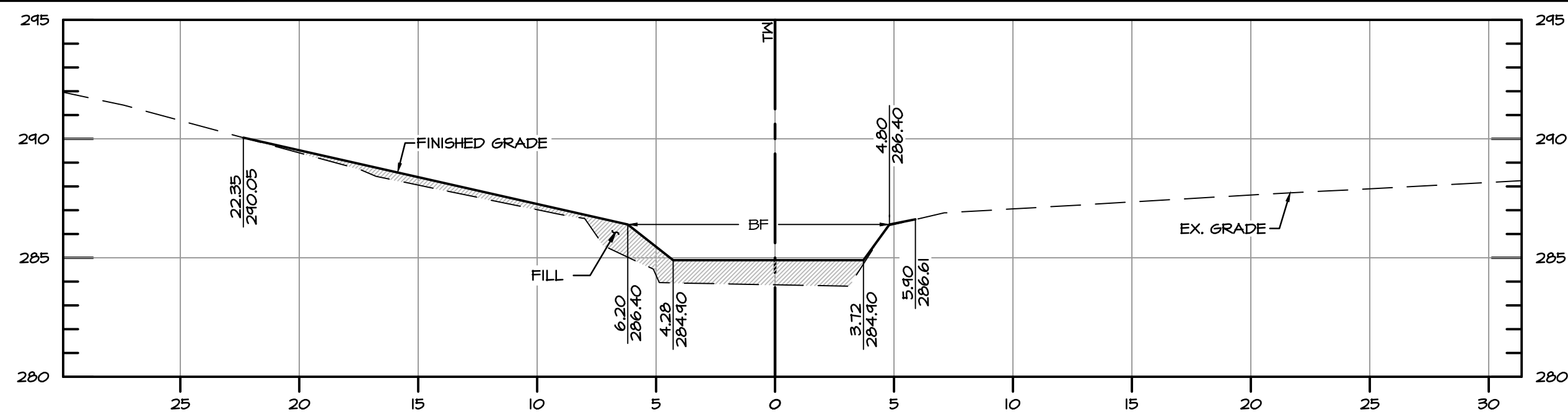
CONTRACT NO. :

SCALE: 1" = 5'

SHEET 27 OF 53

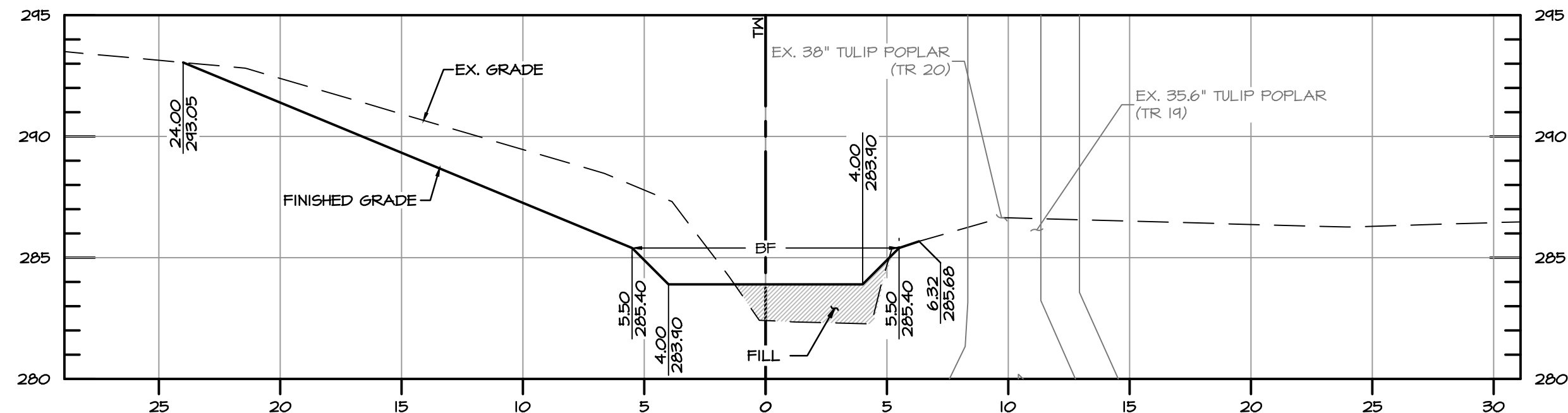
DATE: 01/27/17

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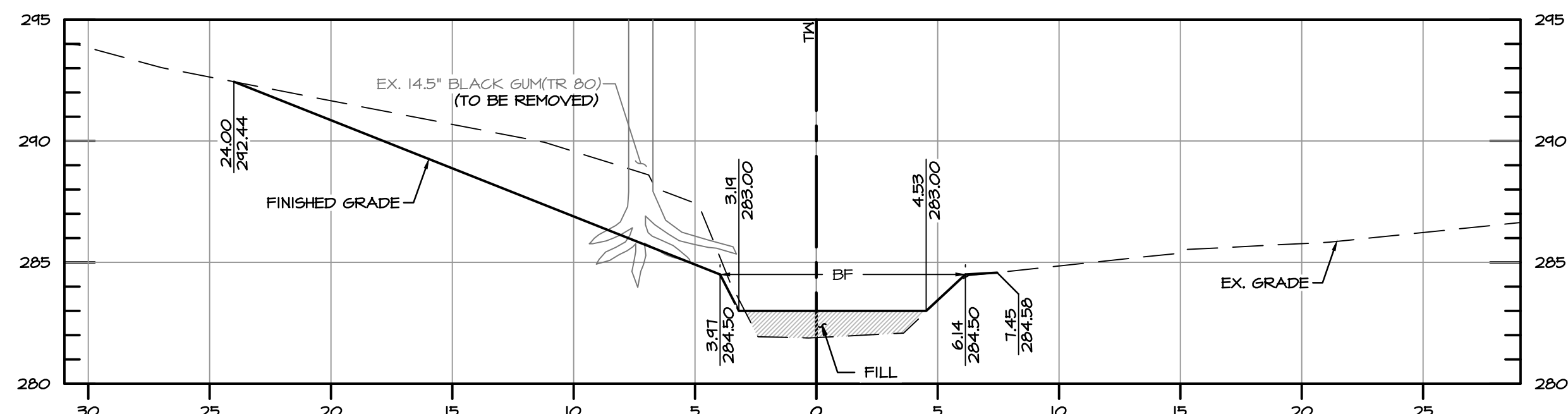
BARRINGTON PLACE XS-9 STA 4+73.28 (STEP 9)

SCALE: 1" = 5'



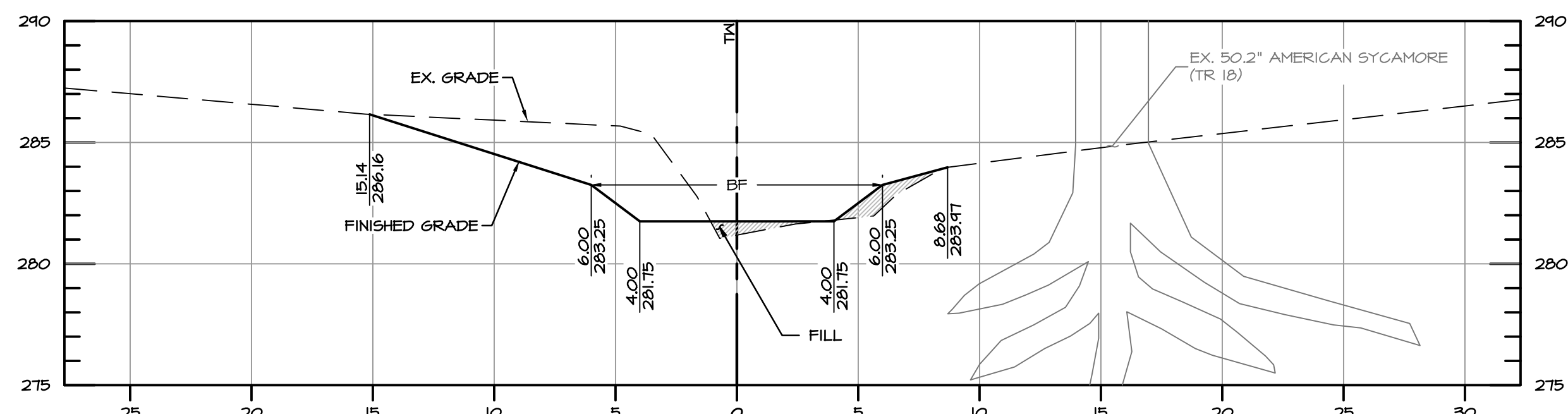
BARRINGTON PLACE XS-10 STA 4+96.28 (STEP #10)

SCALE: 1" = 5'



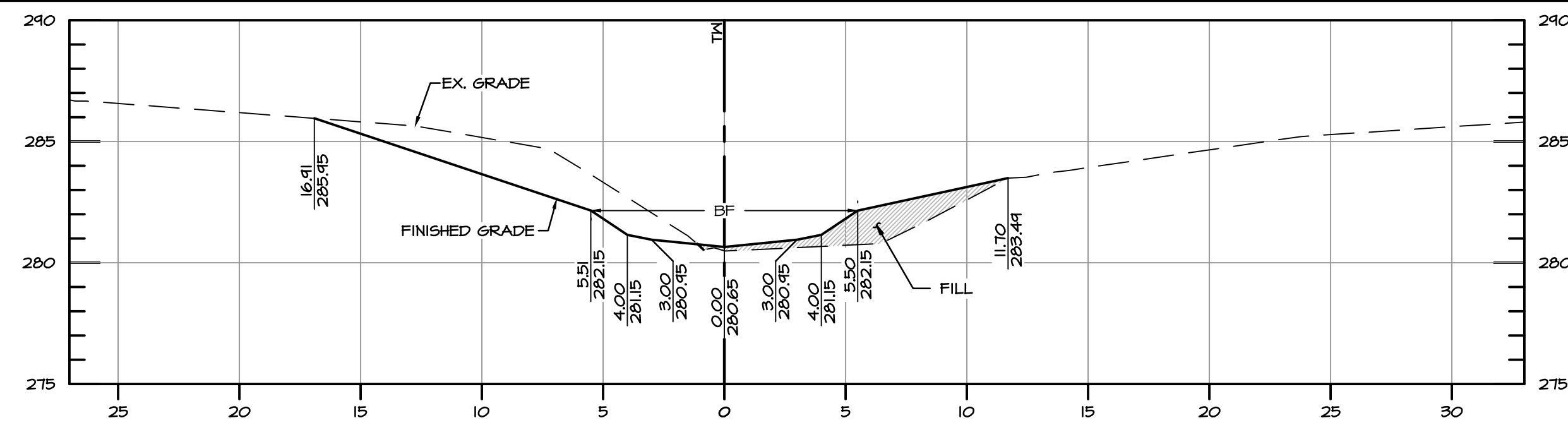
BARRINGTON PLACE XS-11 STA 5+18.28 (STEP 11)

SCALE: 1" = 5'



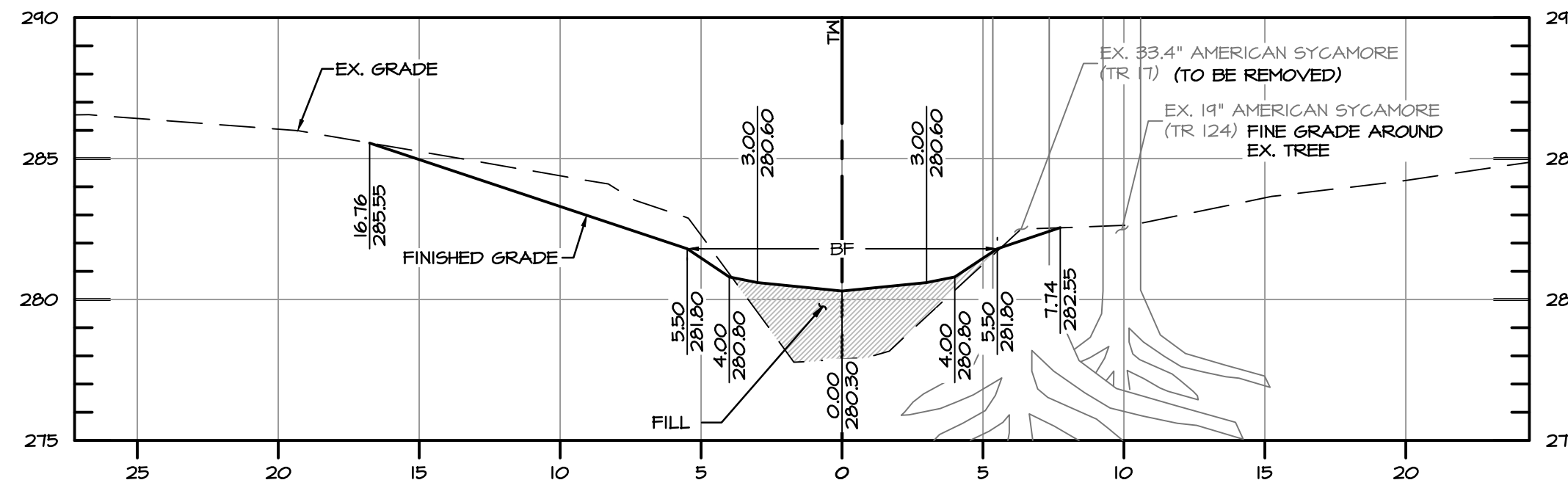
BARRINGTON PLACE XS-12 STA 5+39.39 (STEP #12)

SCALE: 1" = 5'



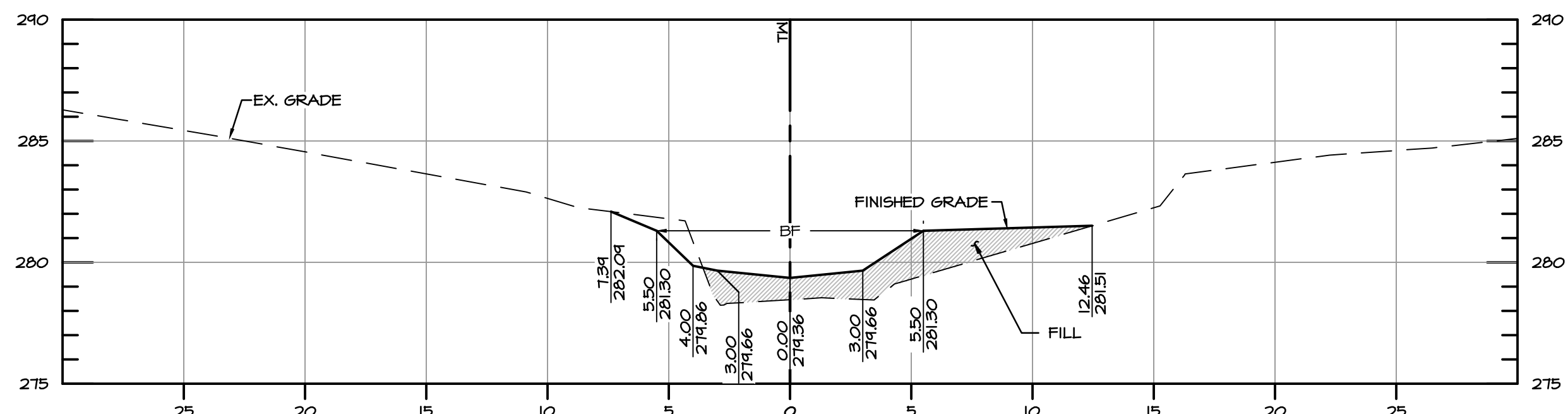
BARRINGTON PLACE XS-13 STA 5+68.28 (RIFFLE)

SCALE: 1" = 5'



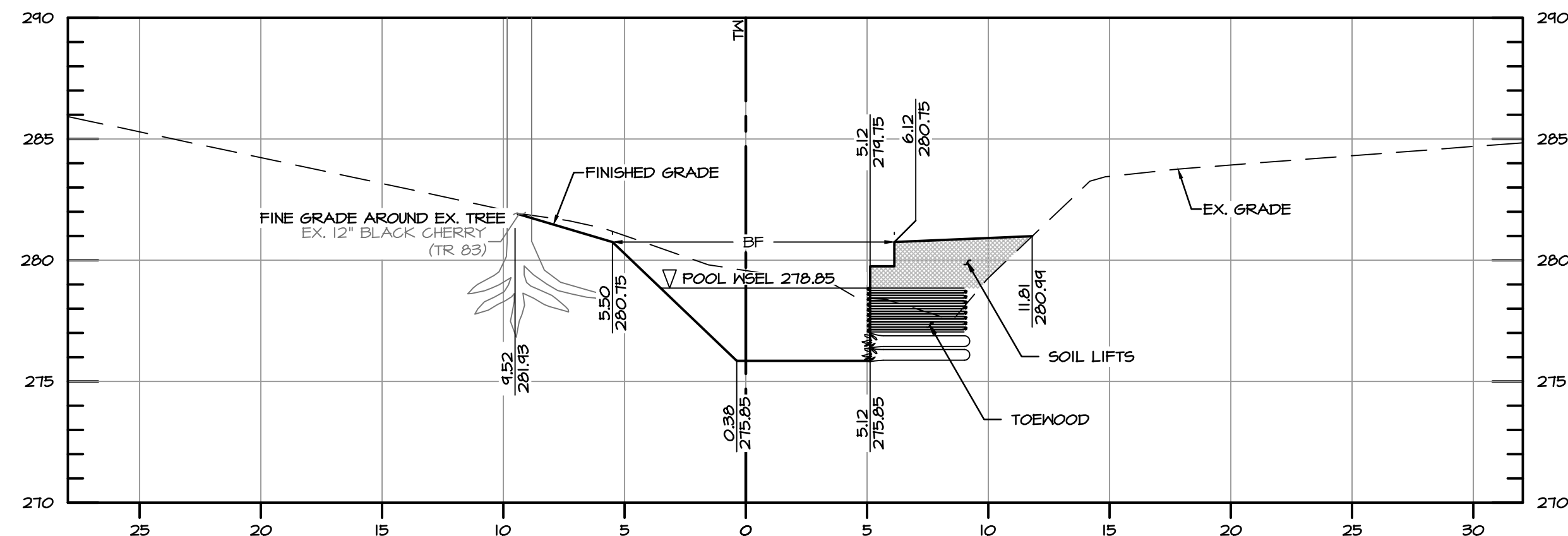
BARRINGTON PLACE XS-14 STA 5+77.81 (RIFFLE)

SCALE: 1" = 5'



BARRINGTON PLACE XS-15 STA 5+93.28

SCALE: 1" = 5'



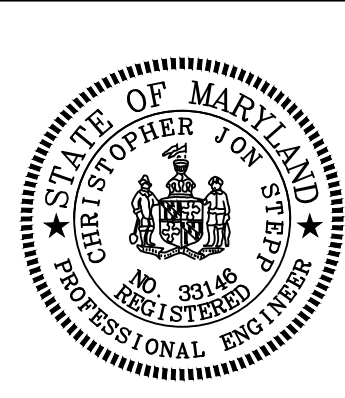
BARRINGTON PLACE XS-16 STA 6+09.17 (POOL)

SCALE: 1" = 5'

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Hanover, Maryland 21076 Fax: (410) 694-9405
Website: www.baylandinc.com



BAYLAND JOB NO. 4_3602

REVISIONS

HARFORD COUNTY, MARYLAND

**BARRINGTON PLACE STREAM RESTORATION
CROSS SECTIONS - BARRINGTON PLACE TRIBUTARY**

DRAWN BY: MDD

DESIGNED BY: RP/MDD

REVIEWED BY: CJS

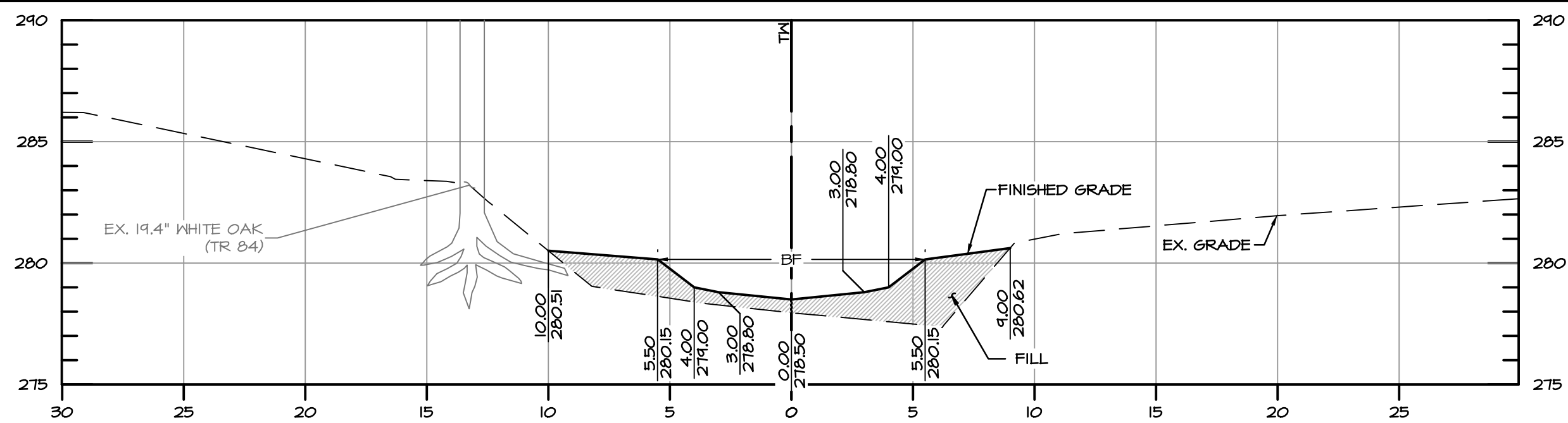
CONTRACT NO. :

SCALE : 1" = 5'

SHEET 28 OF 53

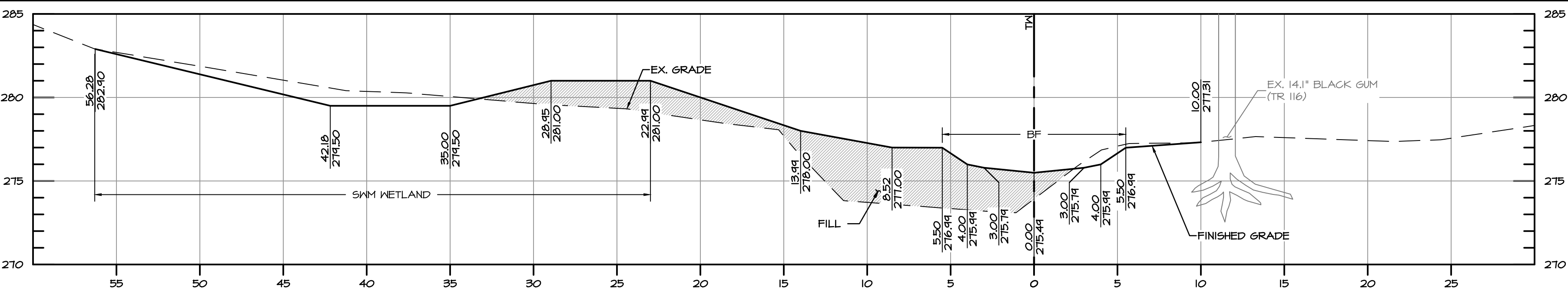
DATE : 01/27/17

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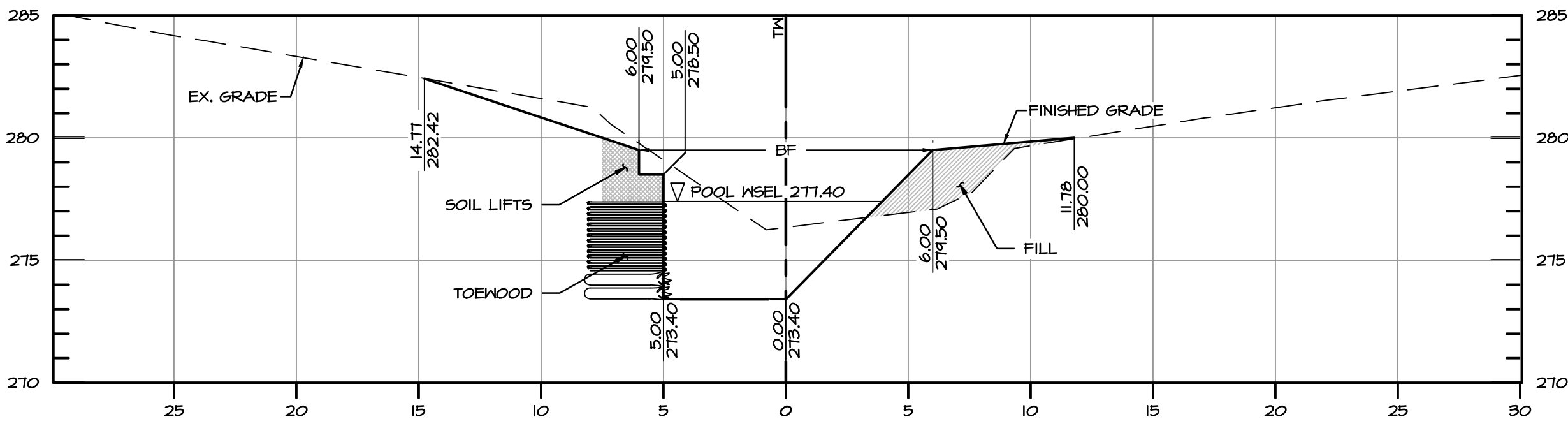
BARRINGTON PLACE XS-17 STA 6+27.65 (RIFFLE)

SCALE: 1" = 5'



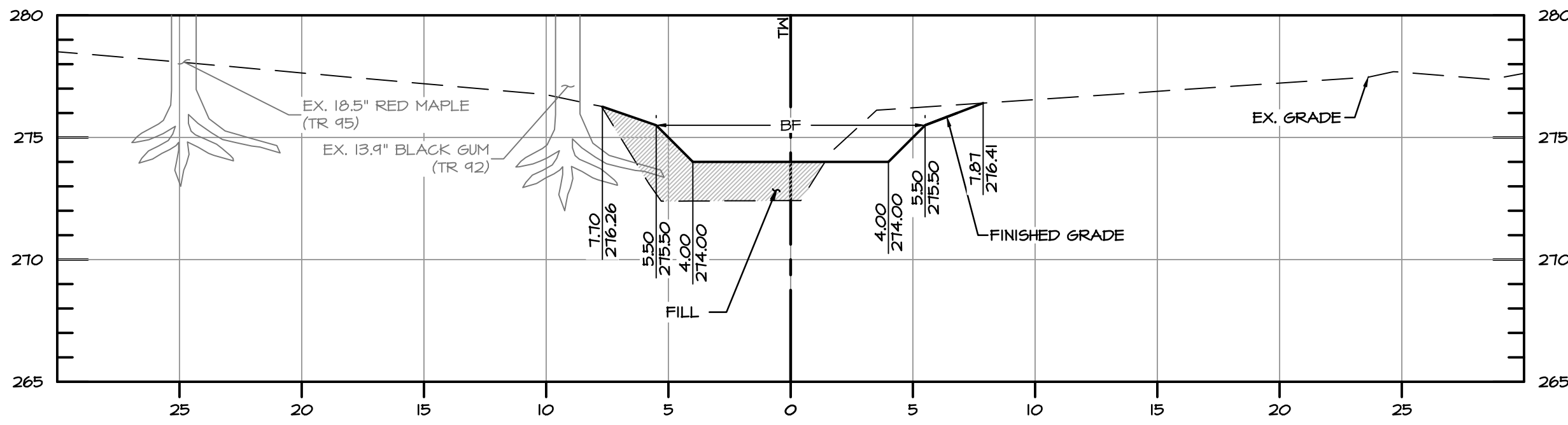
BARRINGTON PLACE XS-21 STA 7+28.78 (RIFFLE)

SCALE: 1" = 5'



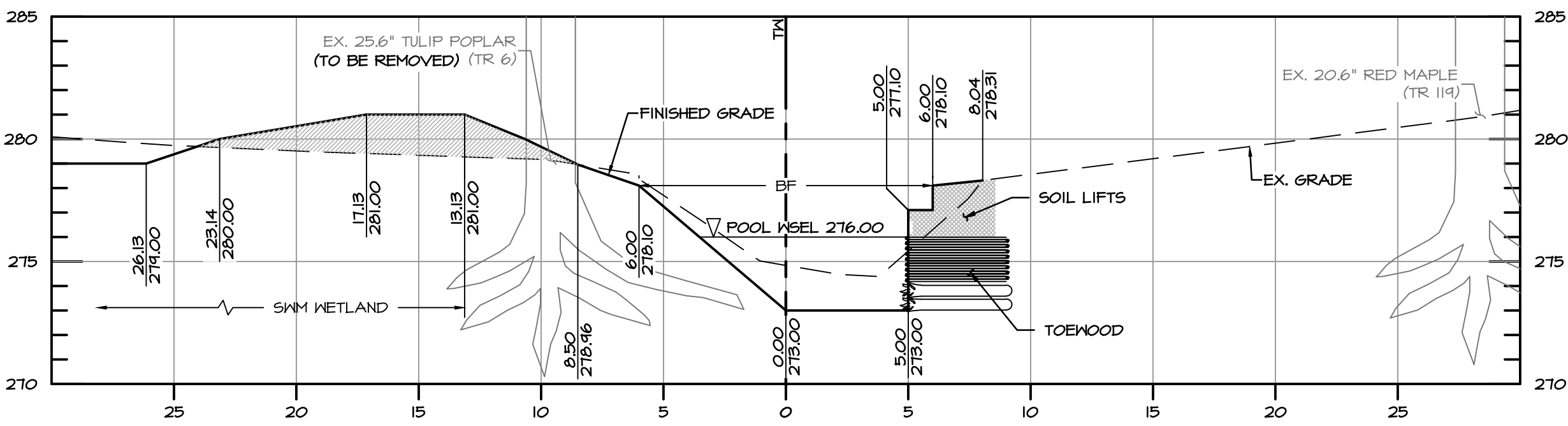
BARRINGTON PLACE XS-18 STA 6+50.66 (POOL)

SCALE: 1" = 5'



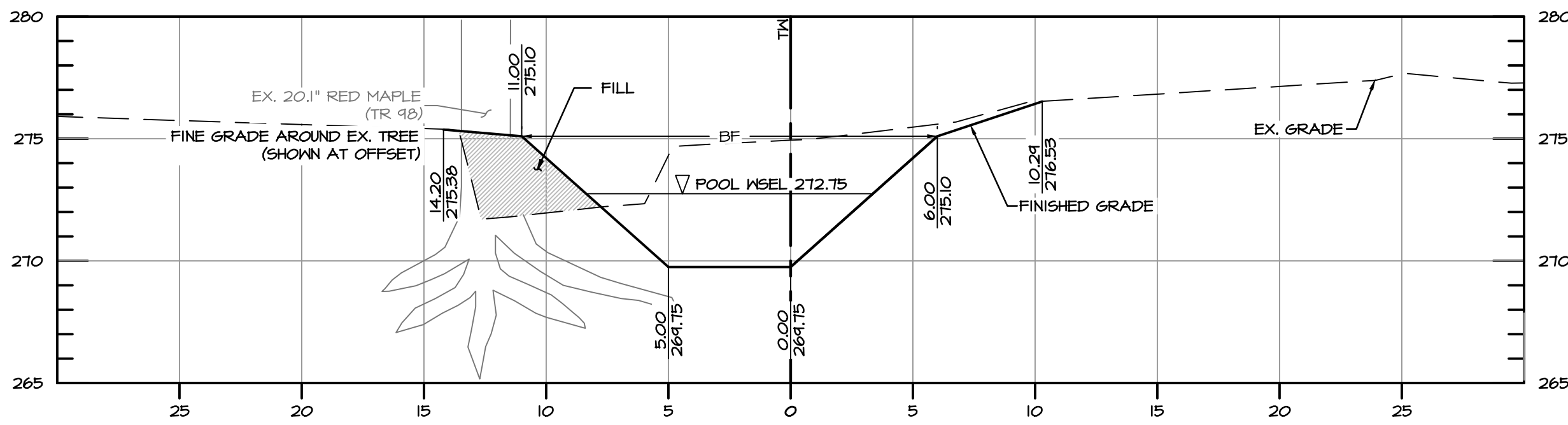
BARRINGTON PLACE XS-22 STA 7+55.78 (STEP 14)

SCALE: 1" = 5'



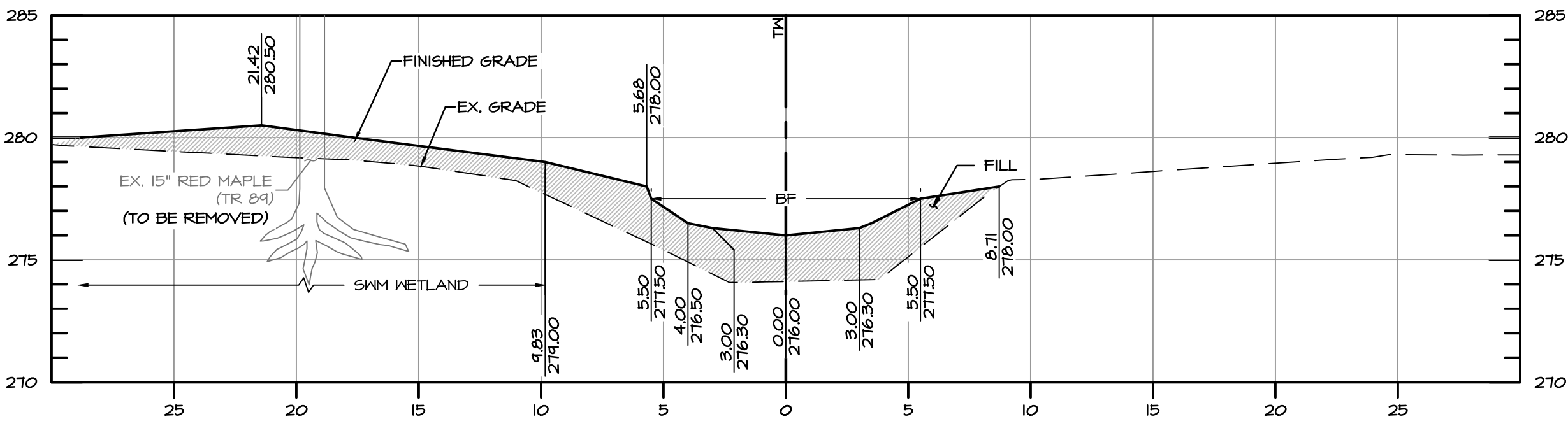
BARRINGTON PLACE XS-19 STA 6+91.78 (POOL)

SCALE: 1" = 5'



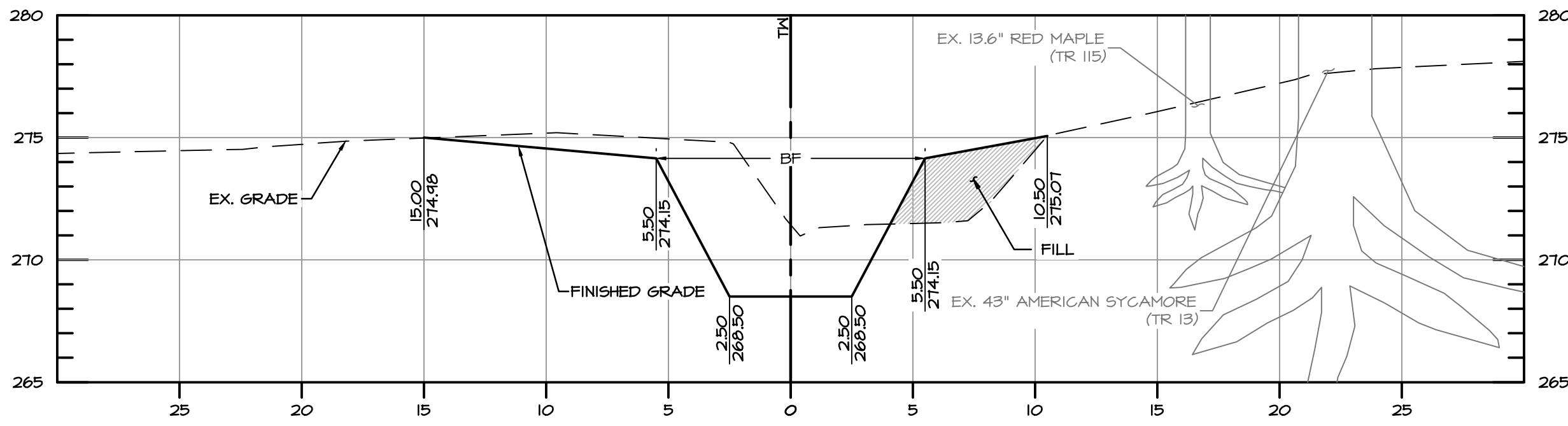
BARRINGTON PLACE XS-23 STA 7+66.78 (POOL)

SCALE: 1" = 5'



BARRINGTON PLACE XS-20 STA 7+13.78 (RIFFLE)

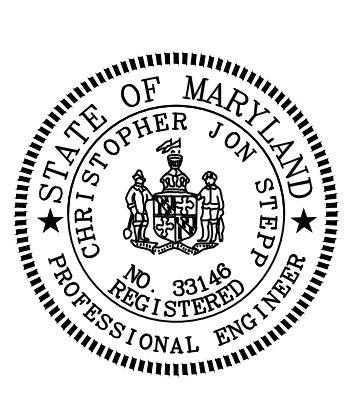
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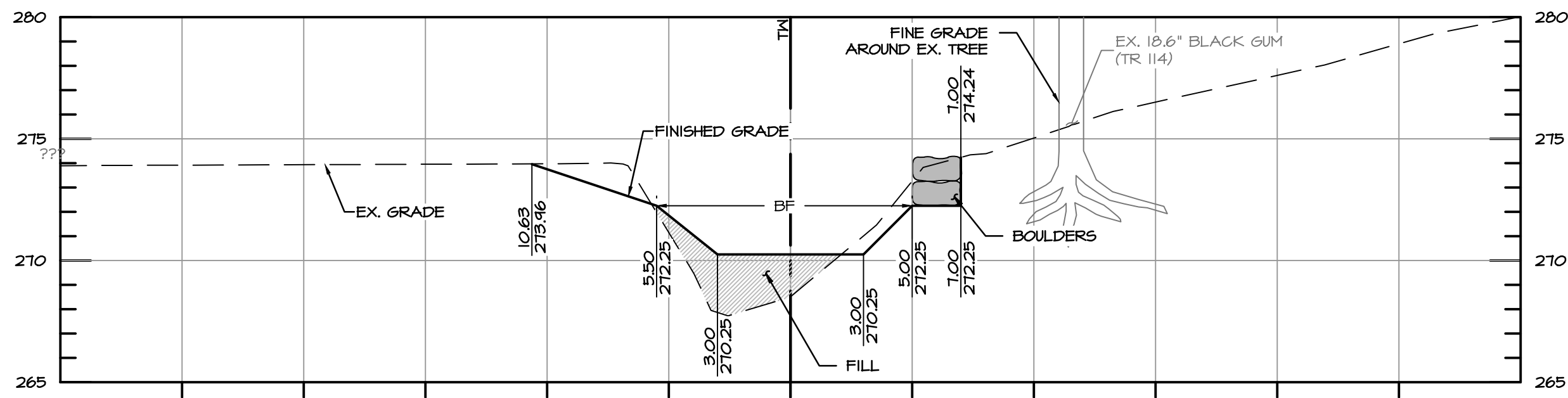
BARRINGTON PLACE XS-24 STA 7+86.78 (POOL)

SCALE: 1" = 5'

EG-SWMENG-000135-2015 #99974

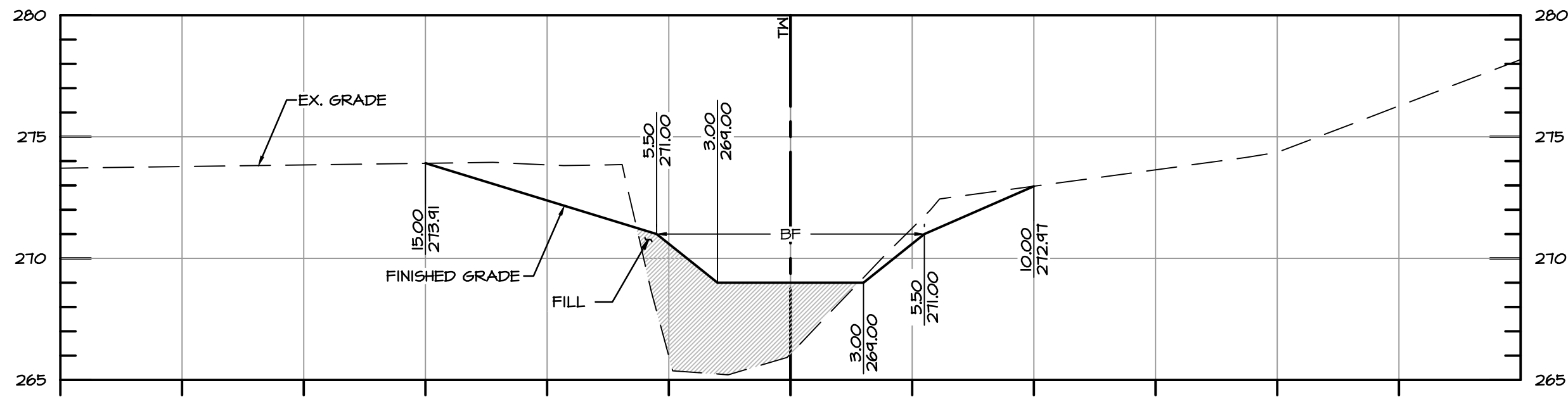


REVISIONS		HARFORD COUNTY, MARYLAND	
		BARRINGTON PLACE STREAM RESTORATION CROSS SECTIONS - BARRINGTON PLACE TRIBUTARY	
DRAWN BY: MDD		CONTRACT NO. :	
DESIGNED BY: RP/MDD		SCALE: 1" = 5'	
REVIEWED BY: CJS		SHEET 29 OF 53	
		DATE: 01/27/17	



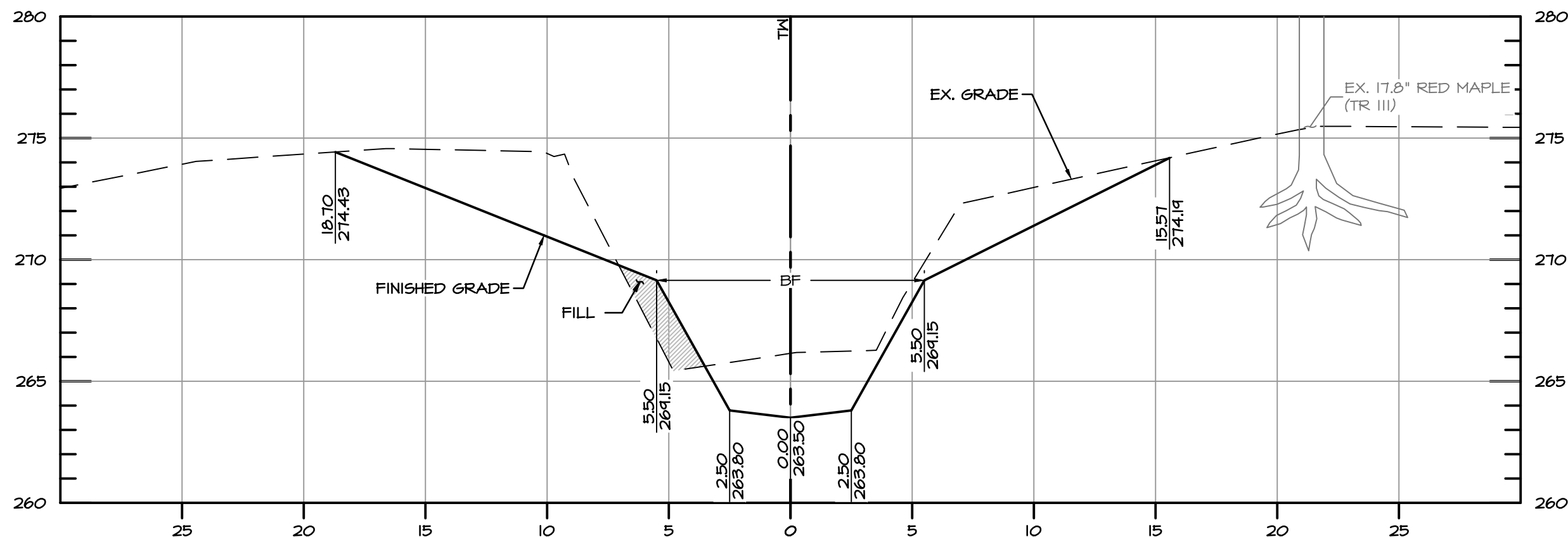
BARRINGTON PLACE XS-25 STA 8+18.78 (STEP 17)

SCALE: 1" = 5'



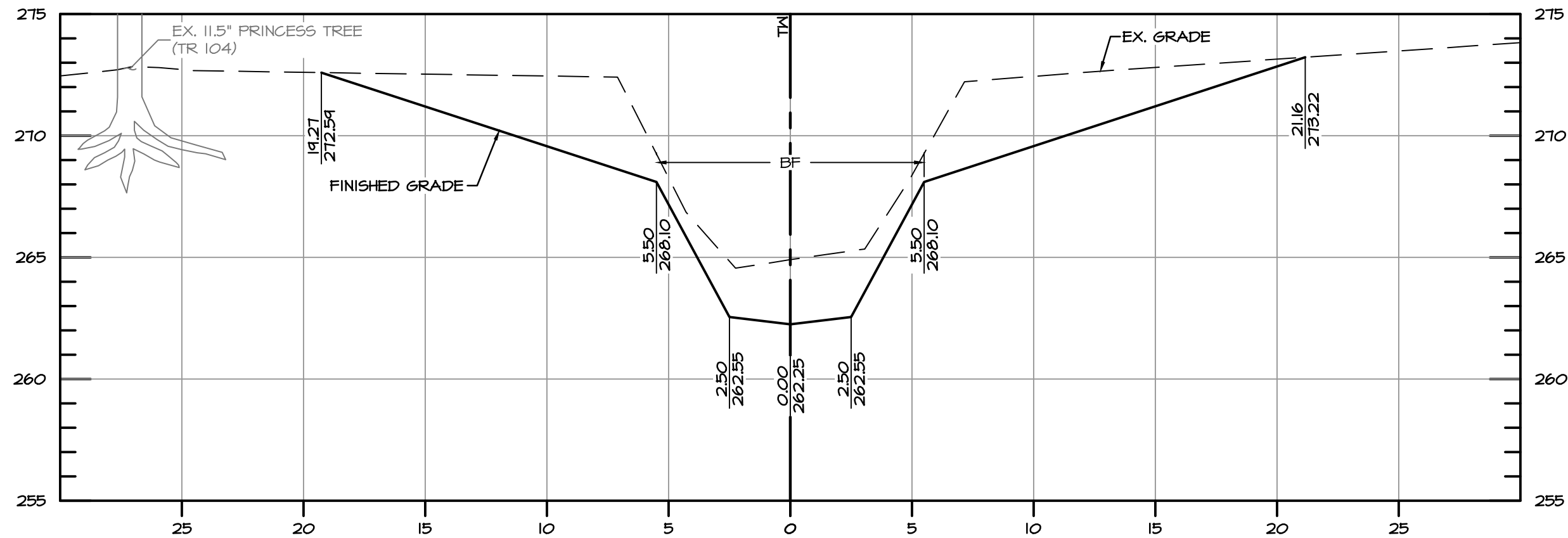
BARRINGTON PLACE XS-26 STA 8+39.78 (STEP 18)

SCALE: 1" = 5'



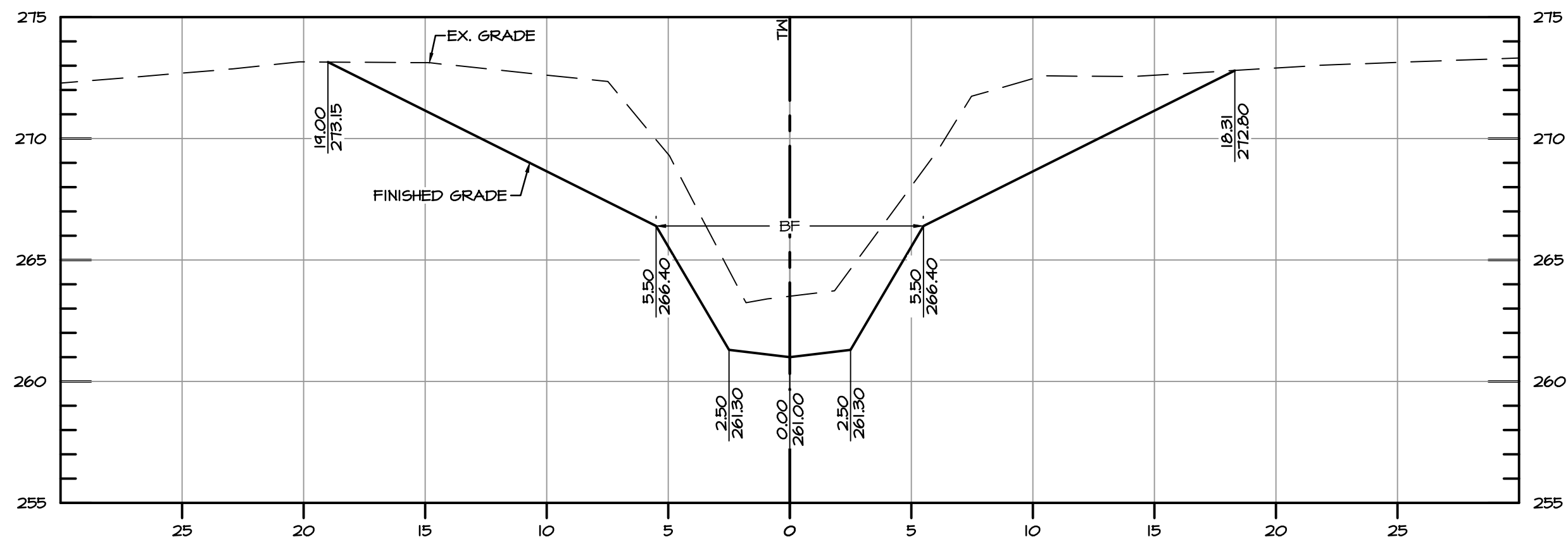
BARRINGTON PLACE XS-27 STA 8+70.78 (POOL)

SCALE: 1" = 5'



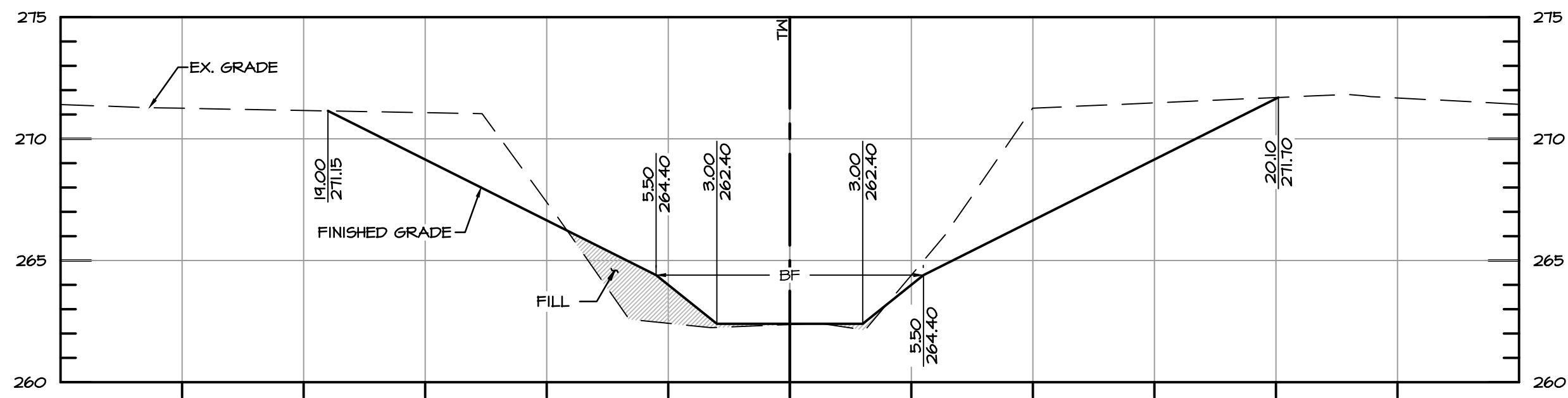
BARRINGTON PLACE XS-28 STA 8+91.78 (POOL)

SCALE: 1" = 5'



BARRINGTON PLACE XS-29 STA 9+16.78 (POOL)

SCALE: 1" = 5'



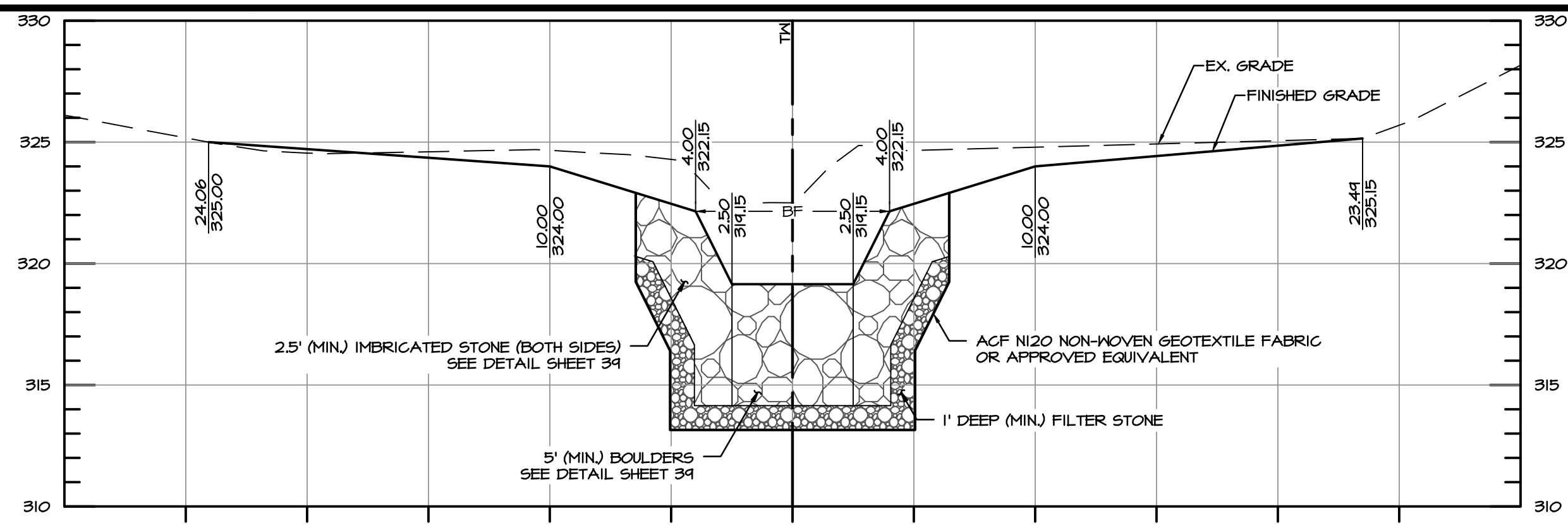
BARRINGTON PLACE XS-30 STA 9+44.78 (STEP 23)

SCALE: 1" = 5'

EG-SWMENG-000135-2015 #99974

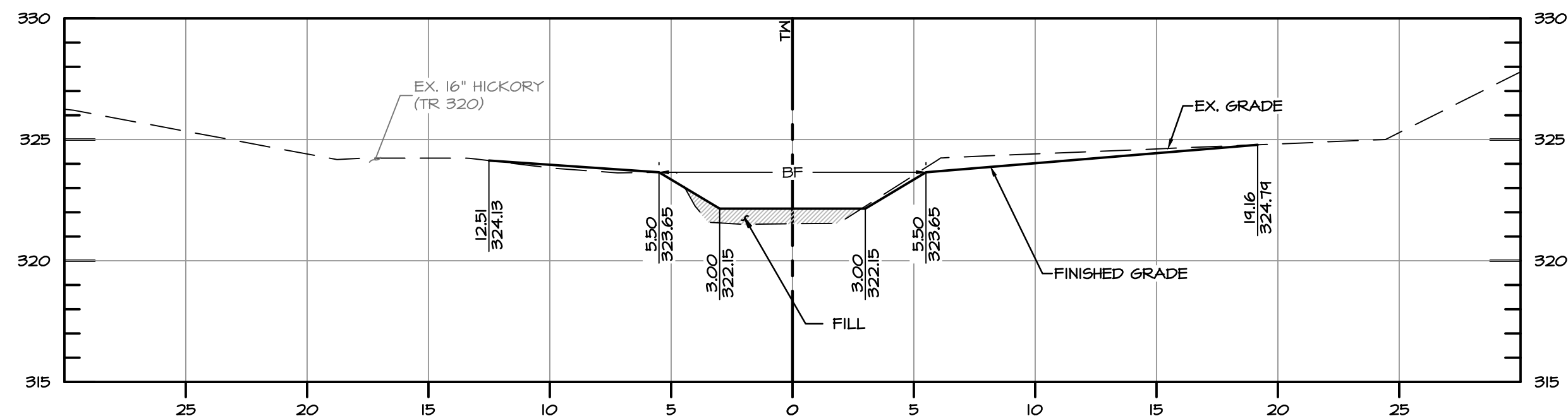


REVISIONS		HARFORD COUNTY, MARYLAND	
		BARRINGTON PLACE STREAM RESTORATION CROSS SECTIONS - BARRINGTON PLACE TRIBUTARY	
DRAWN BY: MDD		CONTRACT NO. :	
DESIGNED BY: RP/MDD		SCALE: 1" = 5'	
REVIEWED BY: CJS		SHEET 30 OF 53	
		DATE: 01/27/17	



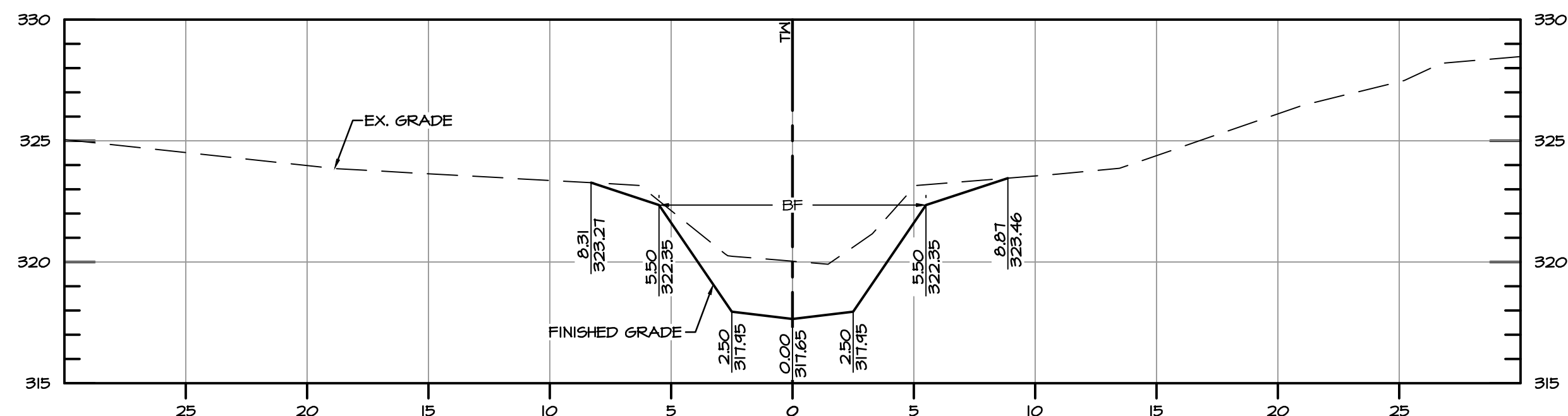
ROLLINS COURT XS-1 STA 3+55.73 (PLUNGE POOL)

SCALE: 1" = 5'



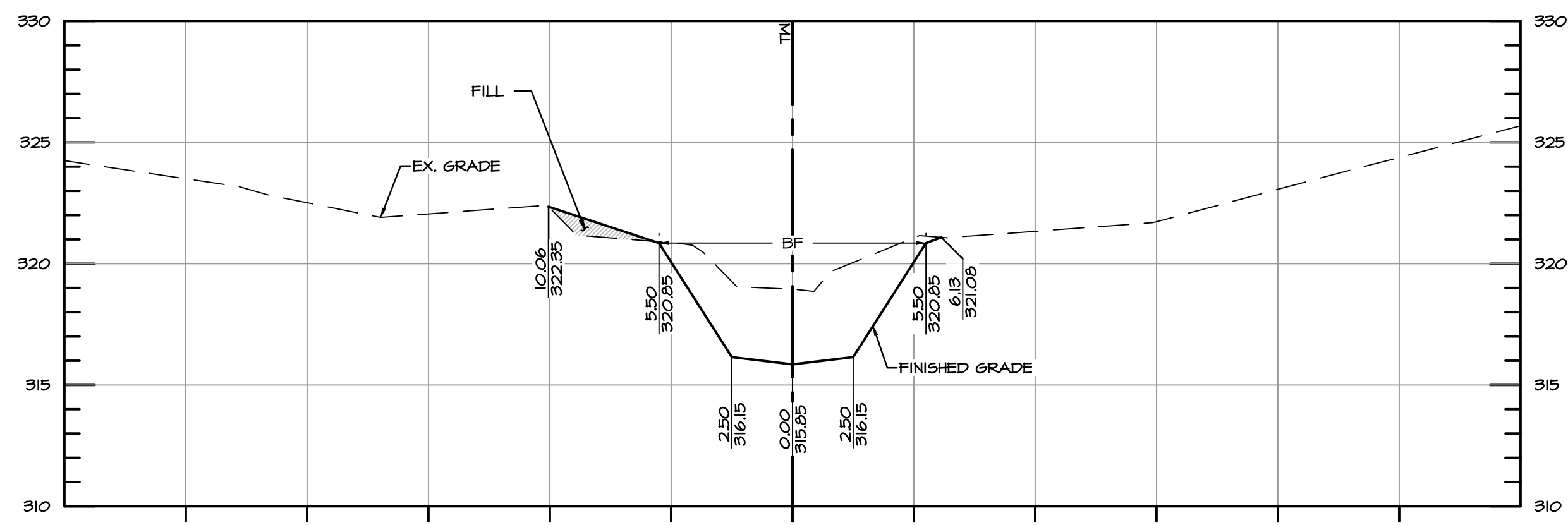
ROLLINS COURT XS-2 STA 3+69.48 (STEP 1)

SCALE: 1" = 5'



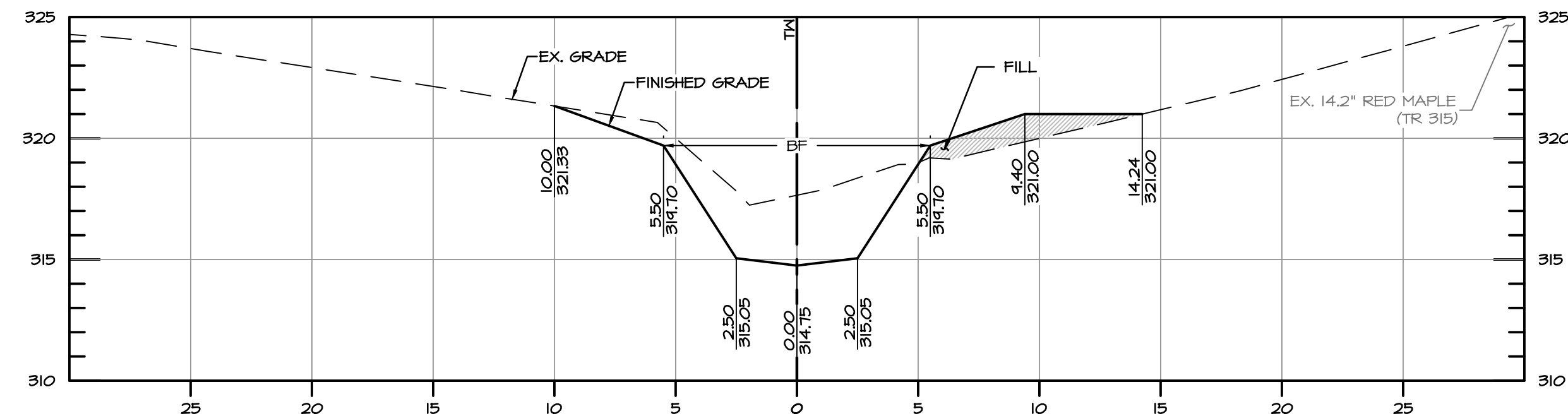
ROLLINS COURT XS-3 STA 3+94.48 (RUN)

SCALE: 1" = 5'



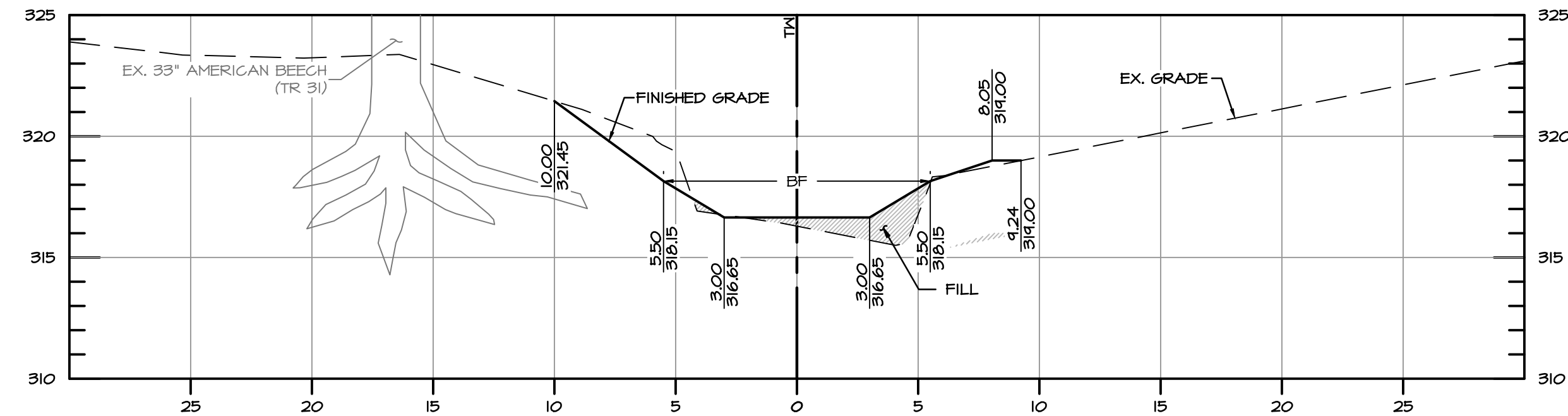
ROLLINS COURT XS-4 STA 4+19.48 (POOL)

SCALE: 1" = 5'



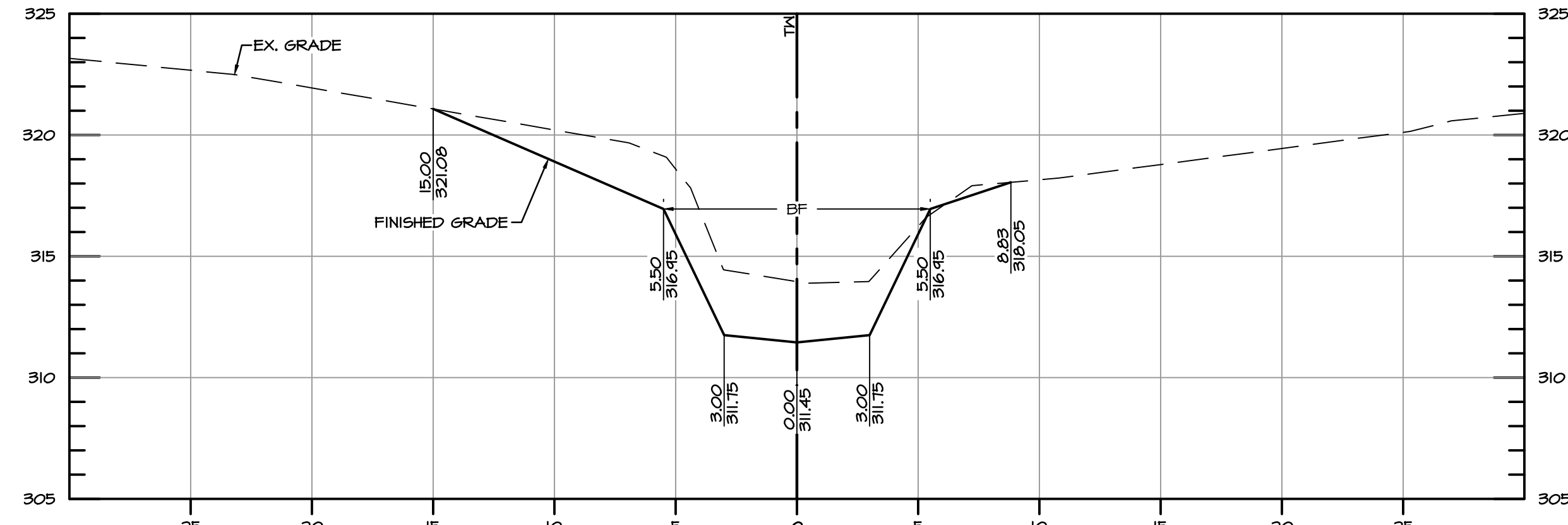
ROLLINS COURT XS-5 STA 4+41.48 (POOL)

SCALE: 1" = 5'



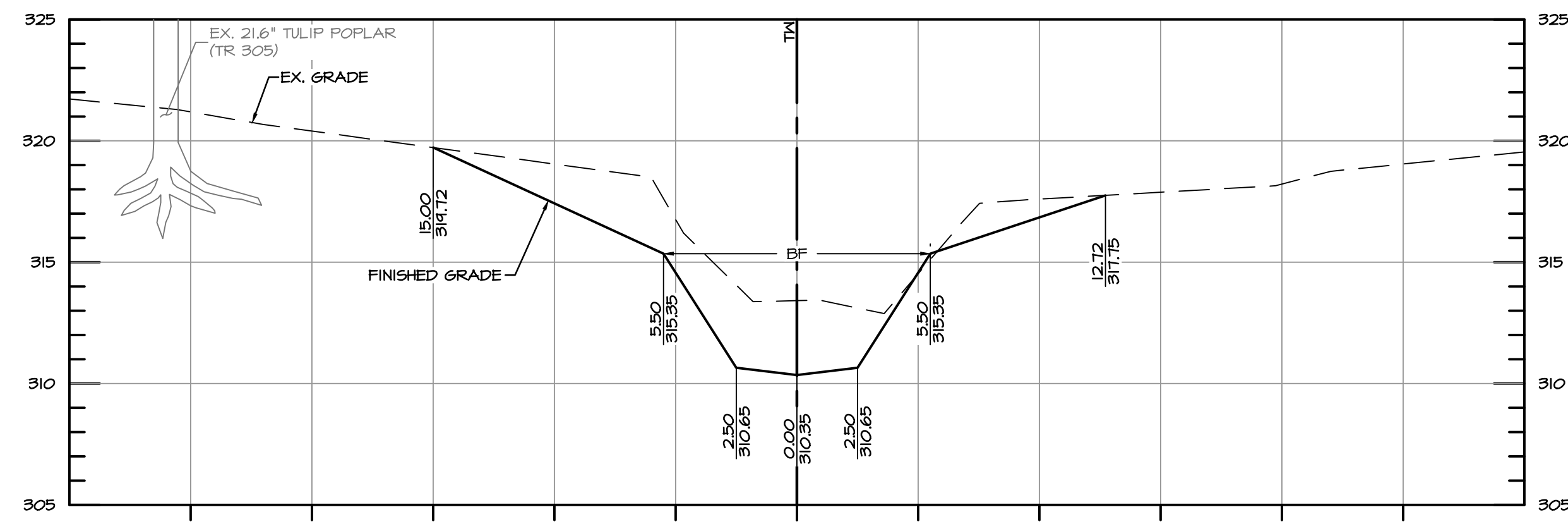
ROLLINS COURT XS-6 STA 4+69.48 (STEP 6)

SCALE: 1" = 5'



ROLLINS COURT XS-7 STA 4+99.48 (POOL)

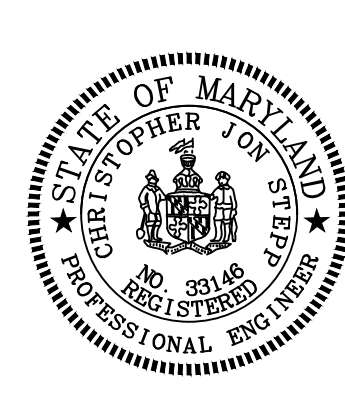
SCALE: 1" = 5'



ROLLINS COURT XS-8 STA 5+19.48 (POOL)

SCALE: 1" = 5'

EG-SWMENG-000135-2015 #99974



BAYLAND JOB NO. 4_3602

REVISIONS

HARFORD COUNTY, MARYLAND

BARRINGTON PLACE STREAM RESTORATION
CROSS SECTIONS - ROLLINS COURT TRIBUTARY

DRAWN BY: MDD

DESIGNED BY: RP/MDD

REVIEWED BY: CJS

CONTRACT NO. :

SCALE : 1" = 5'

SHEET 31 OF 53

DATE : 01/27/17

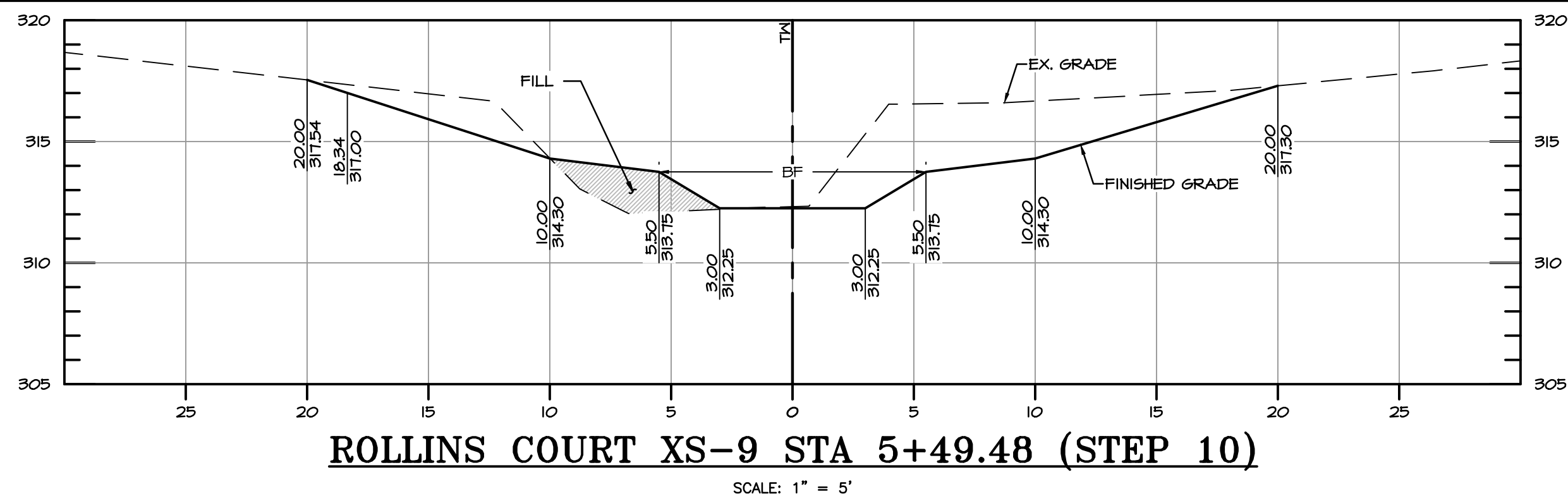
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TAX MAP :

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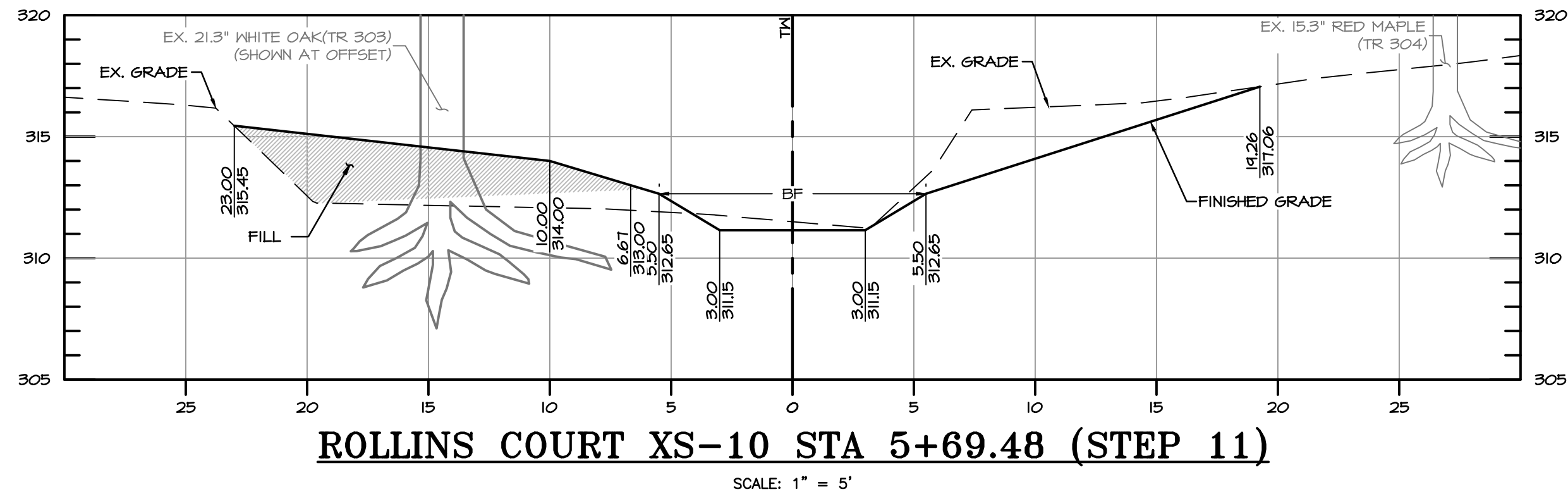
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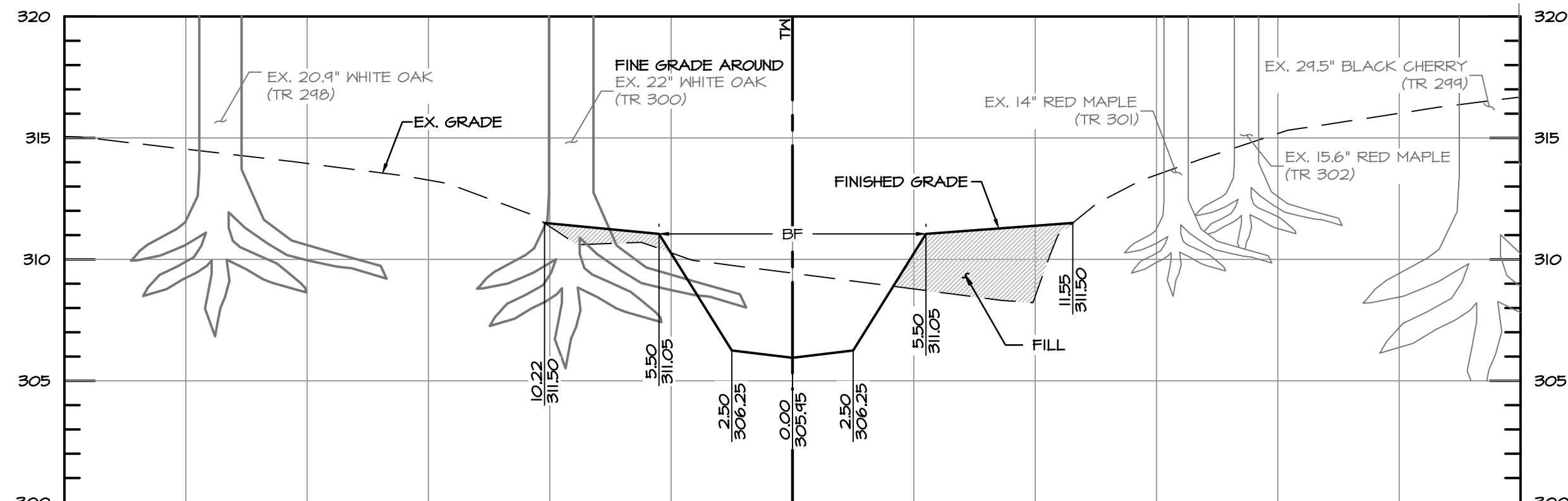
ROLLINS COURT XS-9 STA 5+49.48 (STEP 10)

SCALE: 1" = 5'



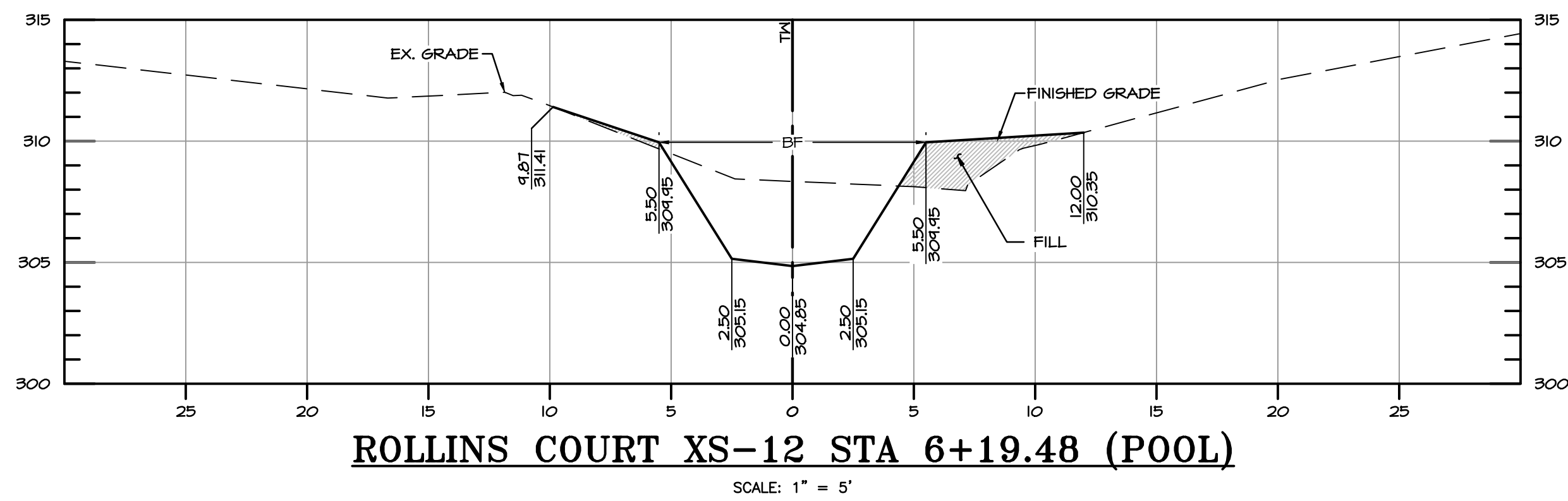
ROLLINS COURT XS-10 STA 5+69.48 (STEP 11)

SCALE: 1" = 5'



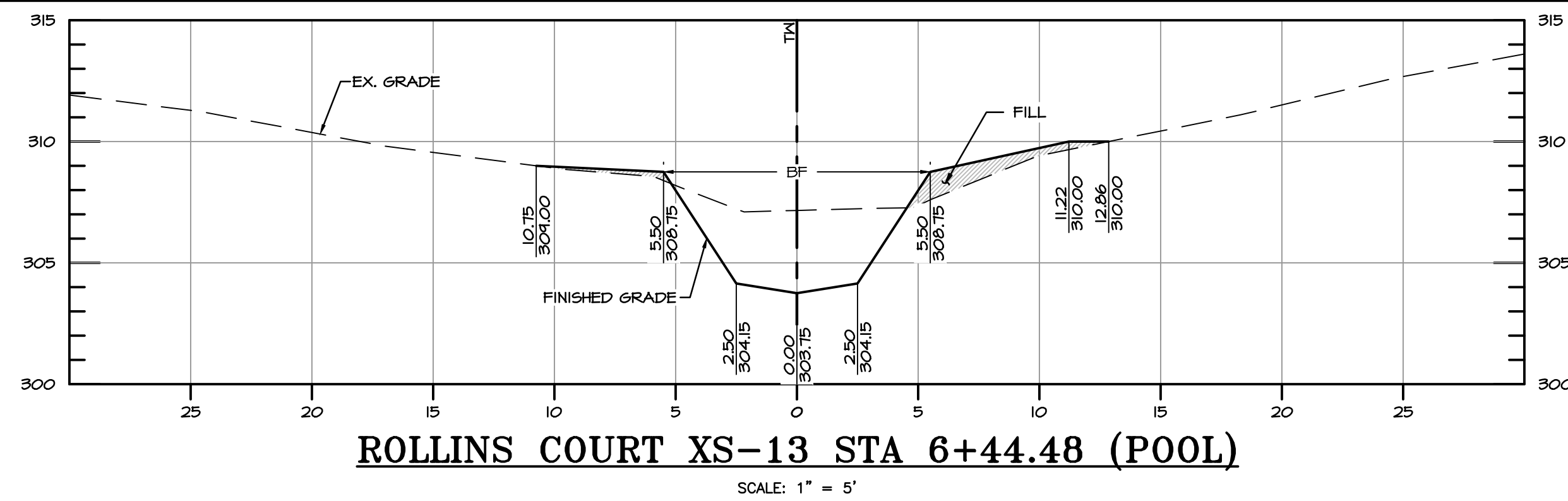
ROLLINS COURT XS-11 STA 5+99.48 (POOL)

SCALE: 1" = 5'



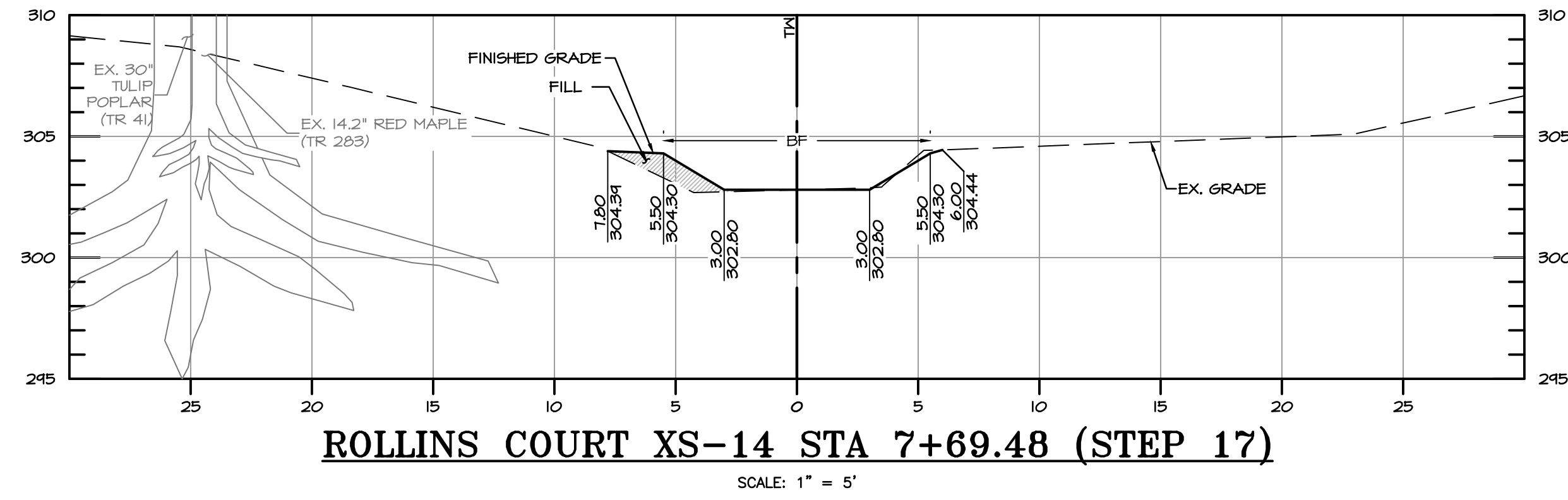
ROLLINS COURT XS-12 STA 6+19.48 (POOL)

SCALE: 1" = 5'



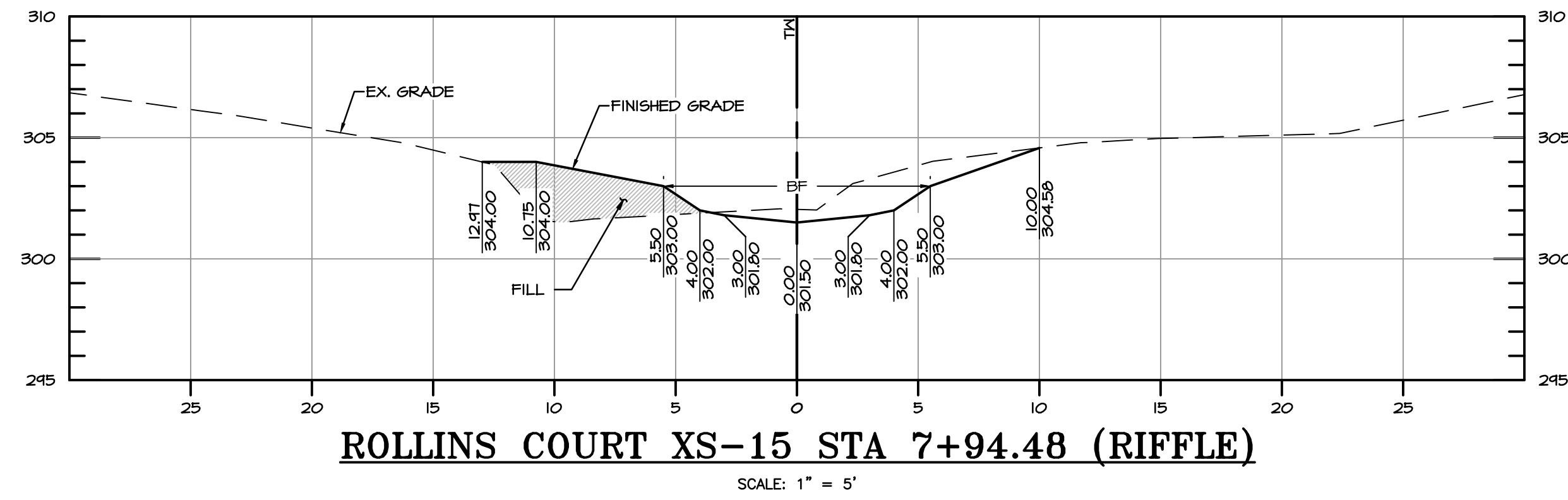
ROLLINS COURT XS-13 STA 6+44.48 (POOL)

SCALE: 1" = 5'



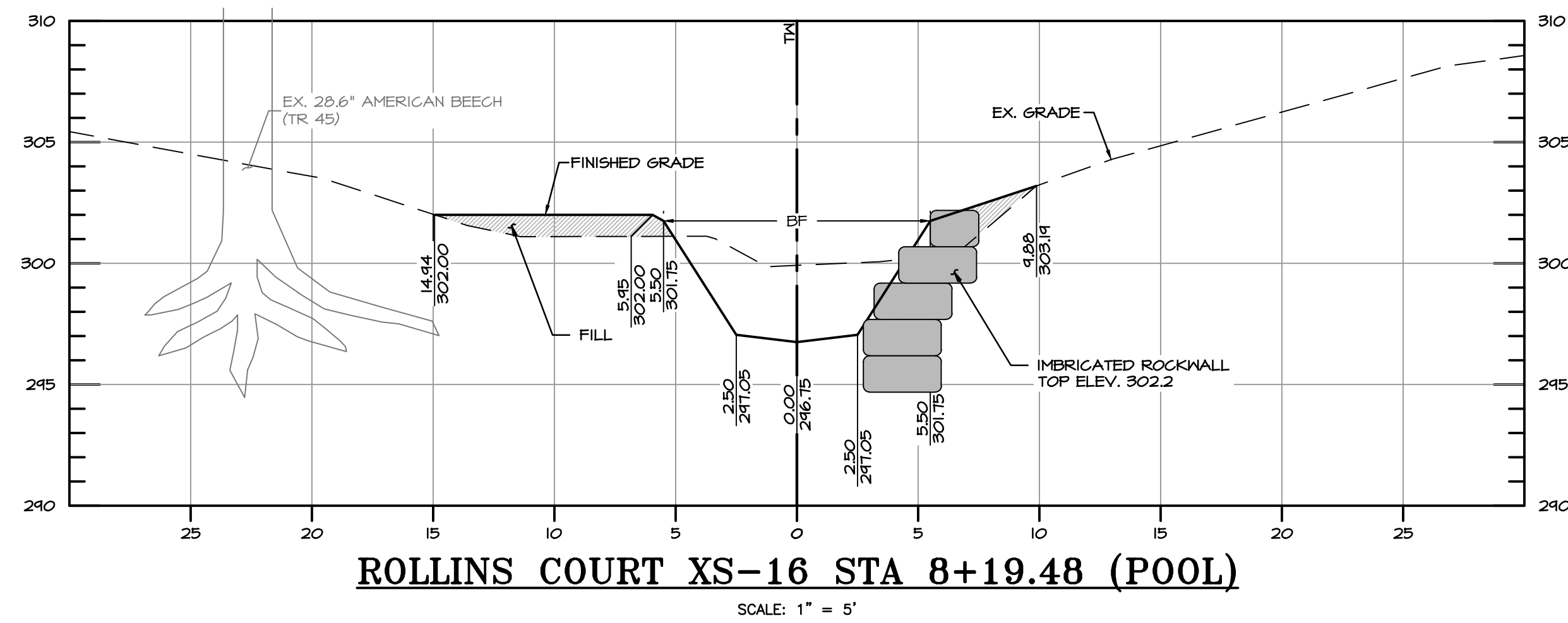
ROLLINS COURT XS-14 STA 7+69.48 (STEP 17)

SCALE: 1" = 5'



ROLLINS COURT XS-15 STA 7+94.48 (RIFFLE)

SCALE: 1" = 5'



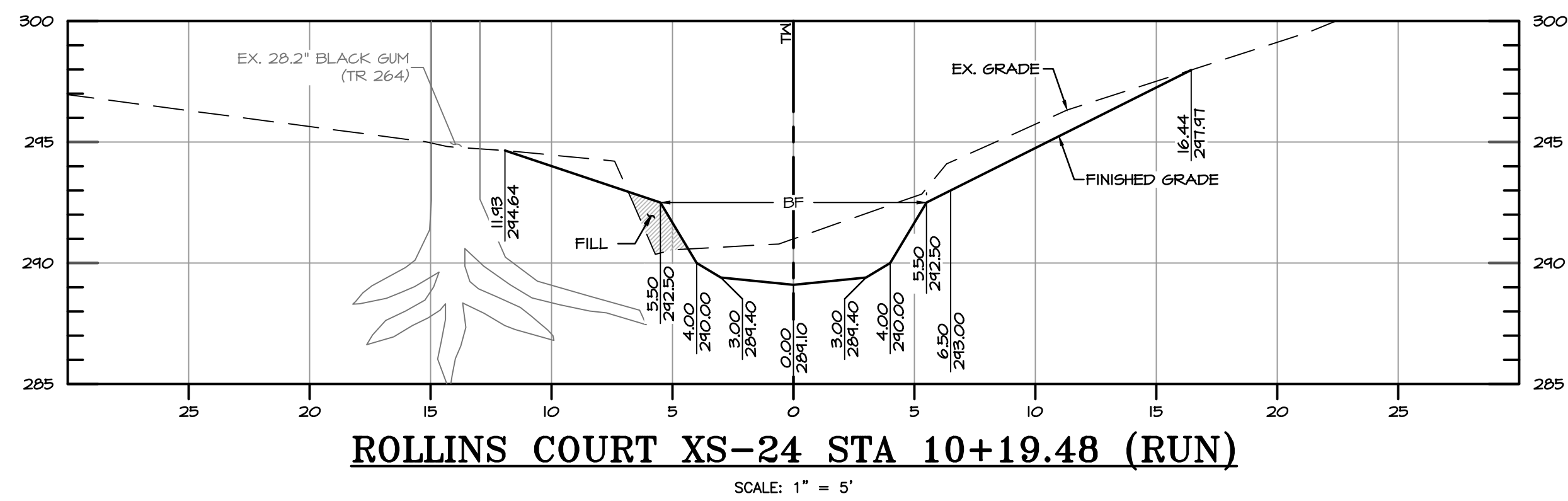
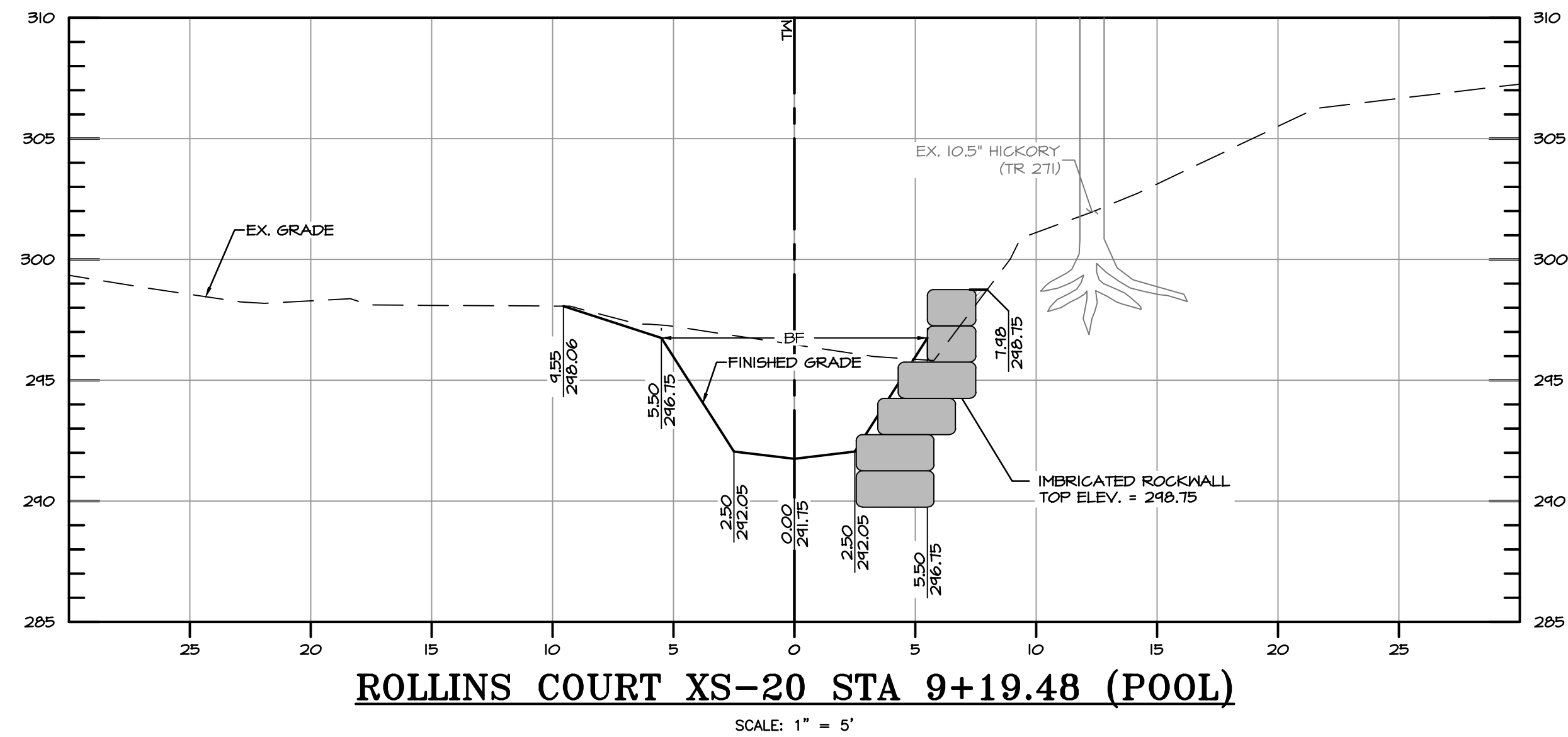
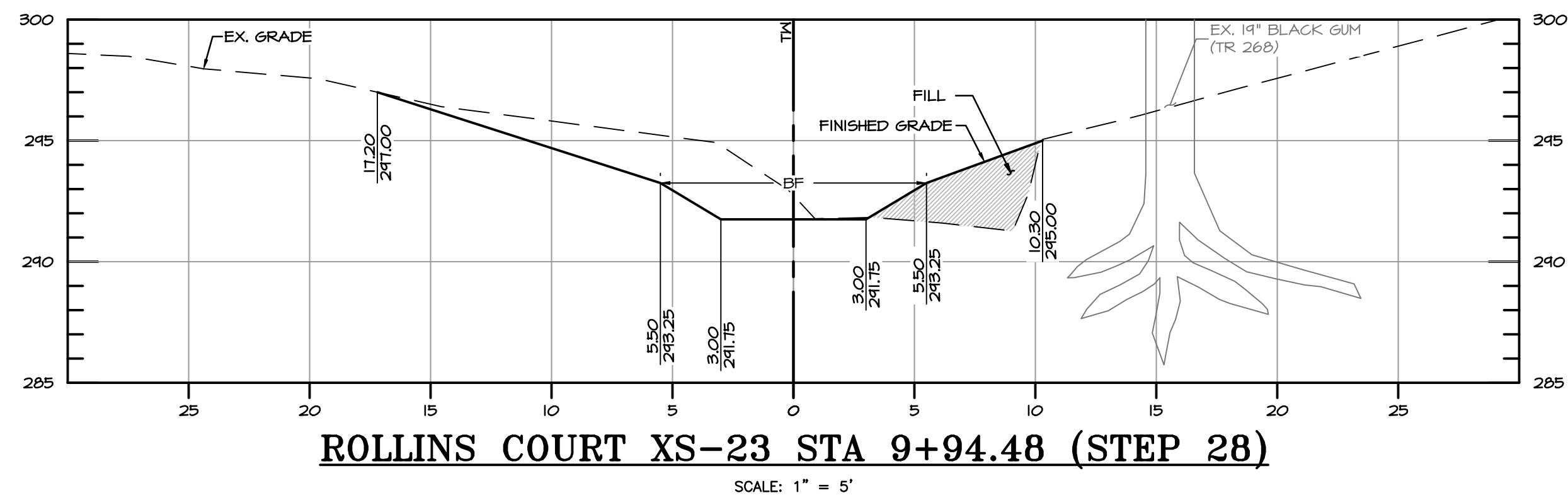
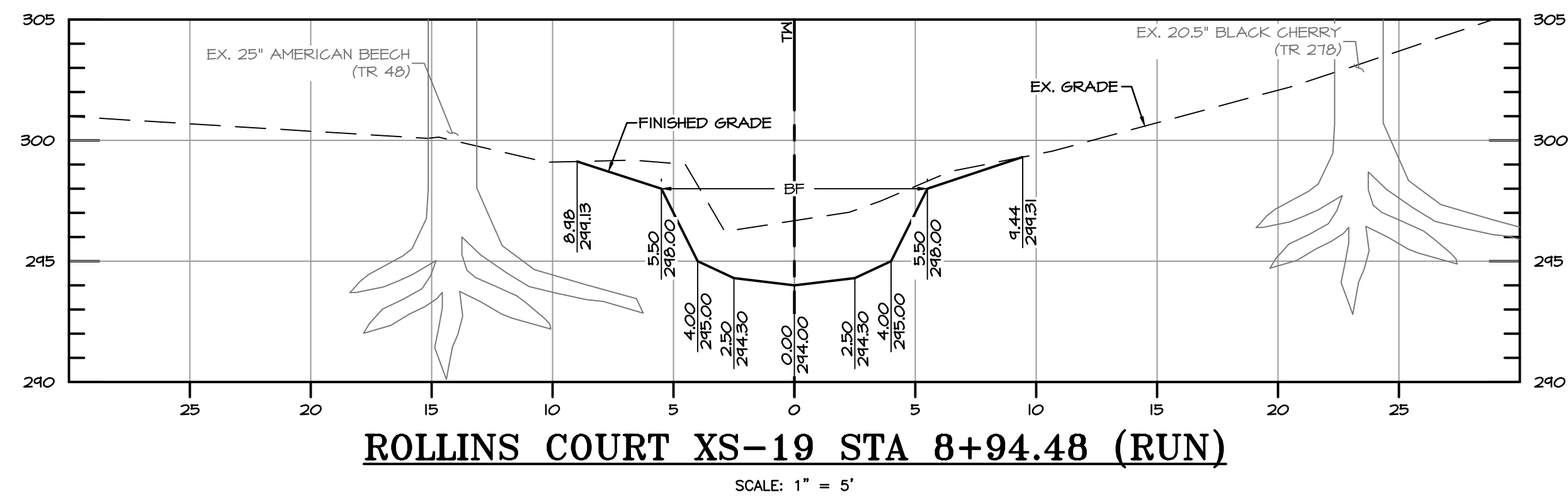
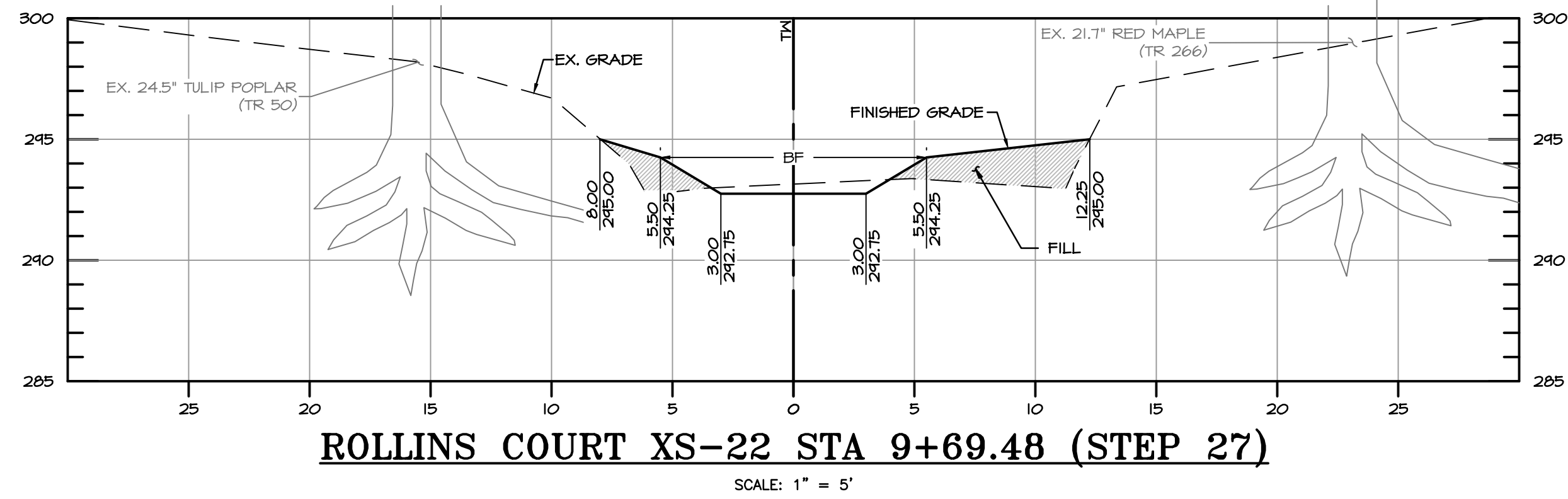
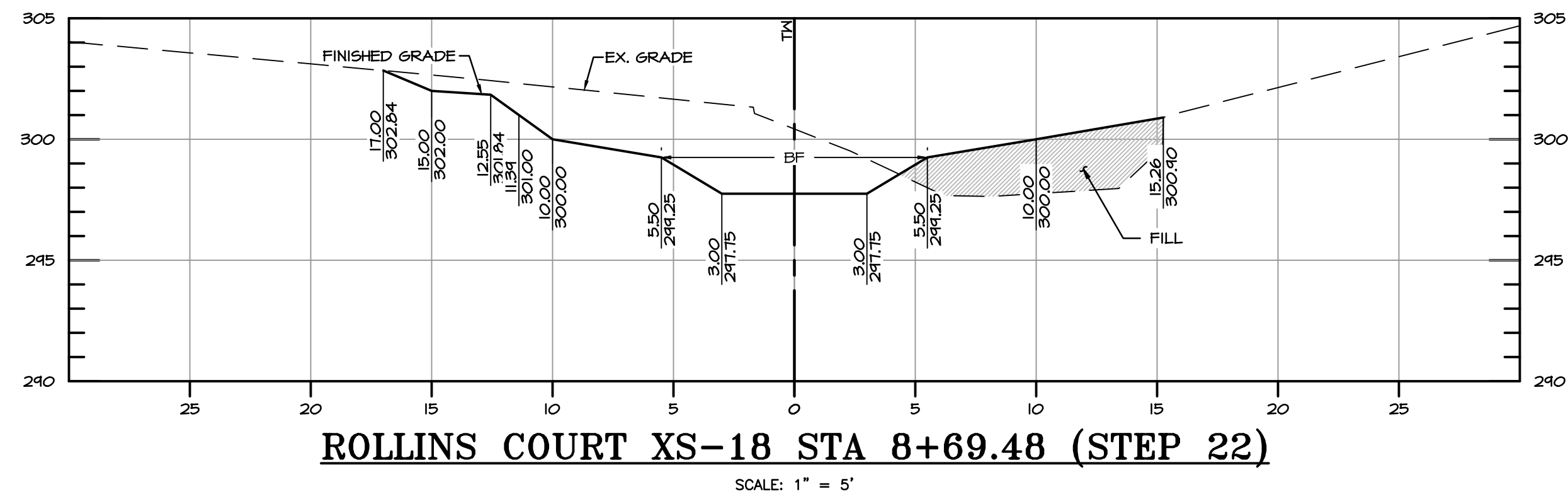
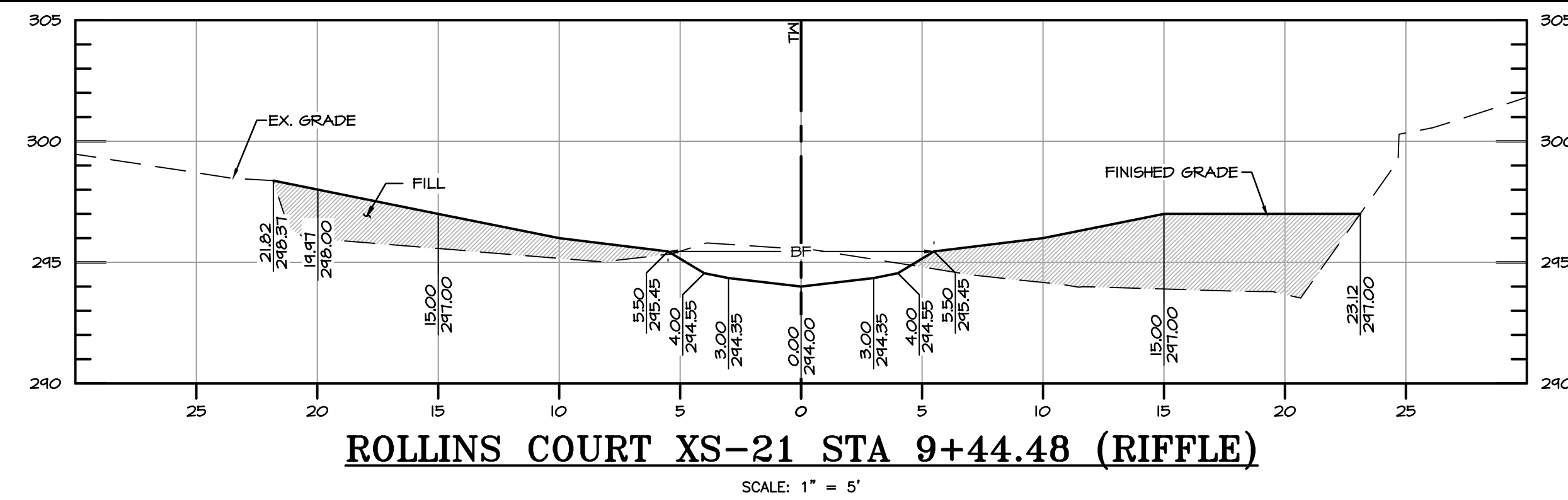
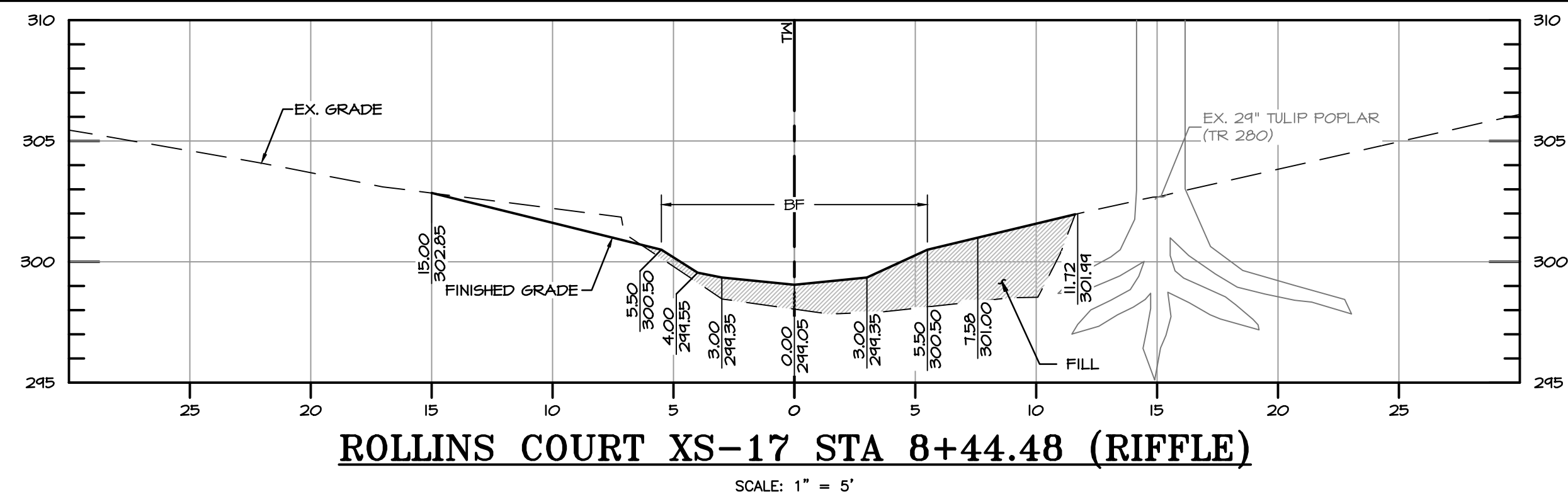
ROLLINS COURT XS-16 STA 8+19.48 (POOL)

SCALE: 1" = 5'

EG-SWMENG-000135-2015 #99974



REVISIONS		HARFORD COUNTY, MARYLAND	
		BARRINGTON PLACE STREAM RESTORATION CROSS SECTIONS - ROLLINS COURT TRIBUTARY	
DRAWN BY: MDD		CONTRACT NO. :	
DESIGNED BY: RP/MDD		SCALE: 1" = 5'	
REVIEWED BY: CJS		SHEET 32 OF 53	
		DATE: 01/27/17	



EG-SWMENG-000135-2015

#99974



CLEAR CREEKS CONSULTING

1317 Knapp Road, Jarrettsville, Maryland 21084 (410) 692-2164

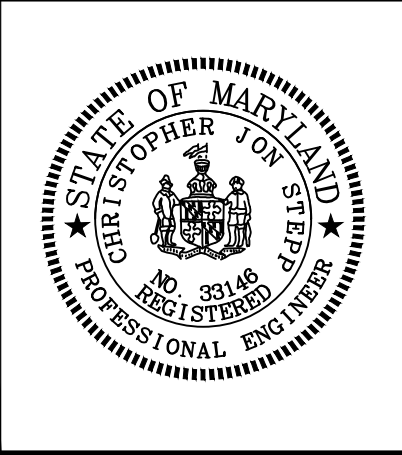


Consultants & Designers, Inc.

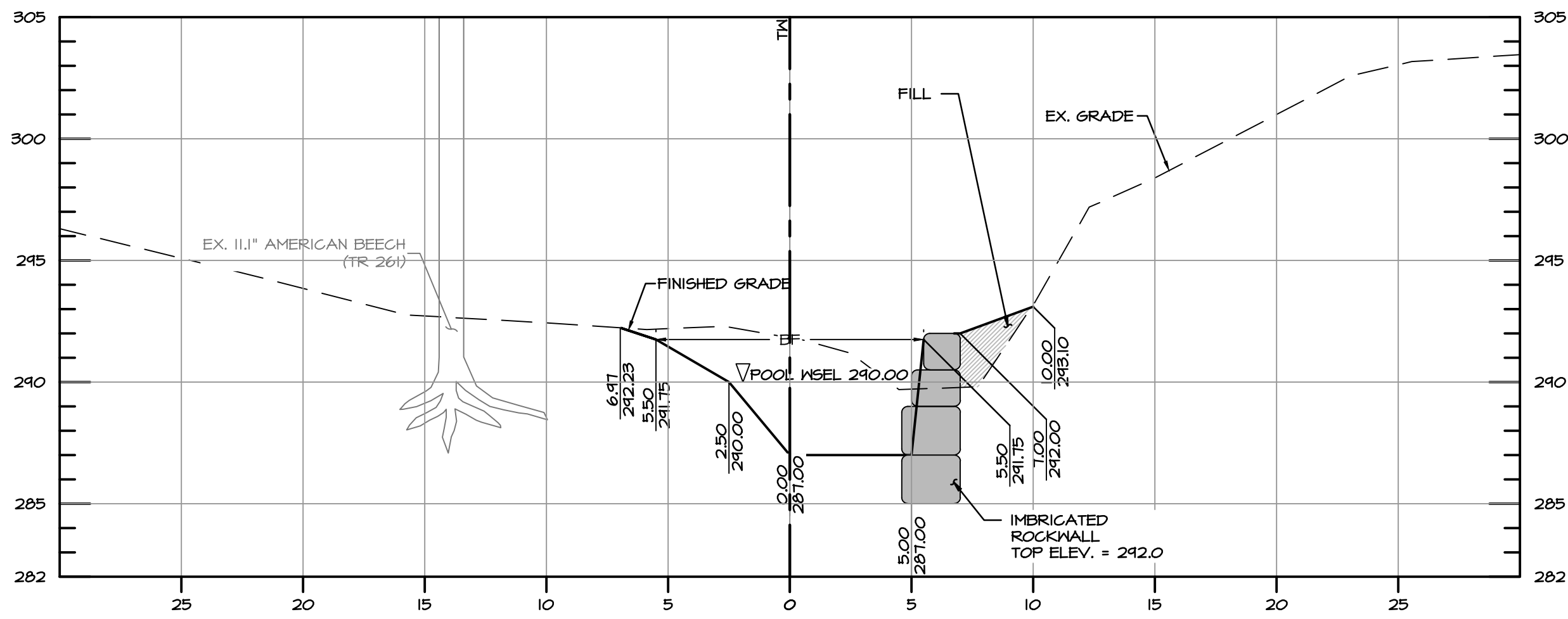
"Integrating Engineering and Environment"

7455 New Ridge Road, Suite T Hanover, Maryland 21076 Phone: (410) 694-9401 Fax: (410) 694-9405 Website: www.baylandinc.com



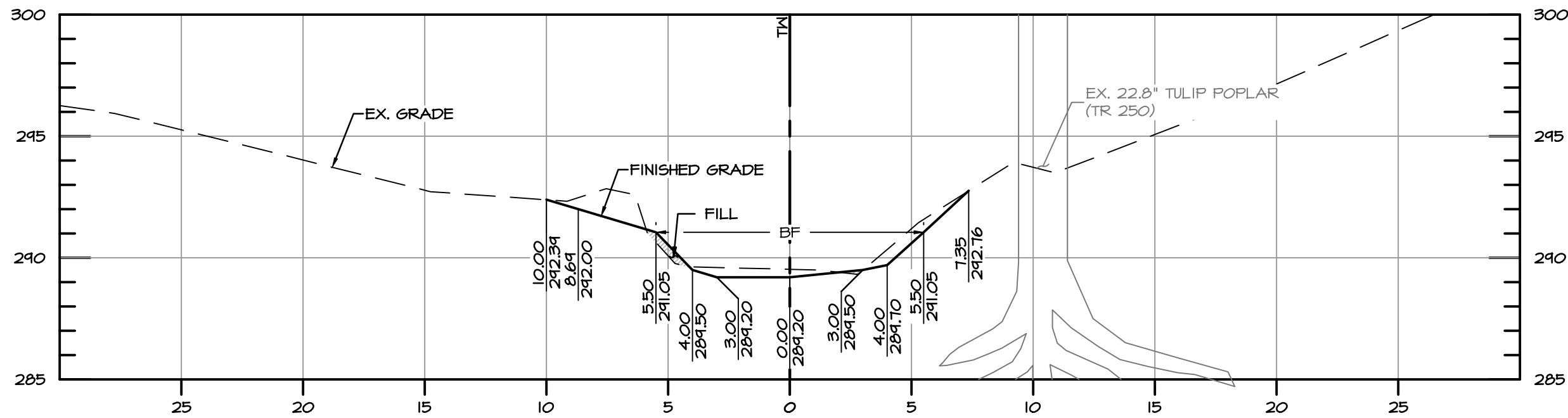


REVISIONS		HARFORD COUNTY, MARYLAND	
		BARRINGTON PLACE STREAM RESTORATION CROSS SECTIONS - ROLLINS COURT TRIBUTARY	
DRAWN BY: MDD		CONTRACT NO. :	
DESIGNED BY: RP/MDD		SCALE : 1" = 5'	
REVIEWED BY: CJS		SHEET 33 OF 53	
		DATE : 01/27/17	



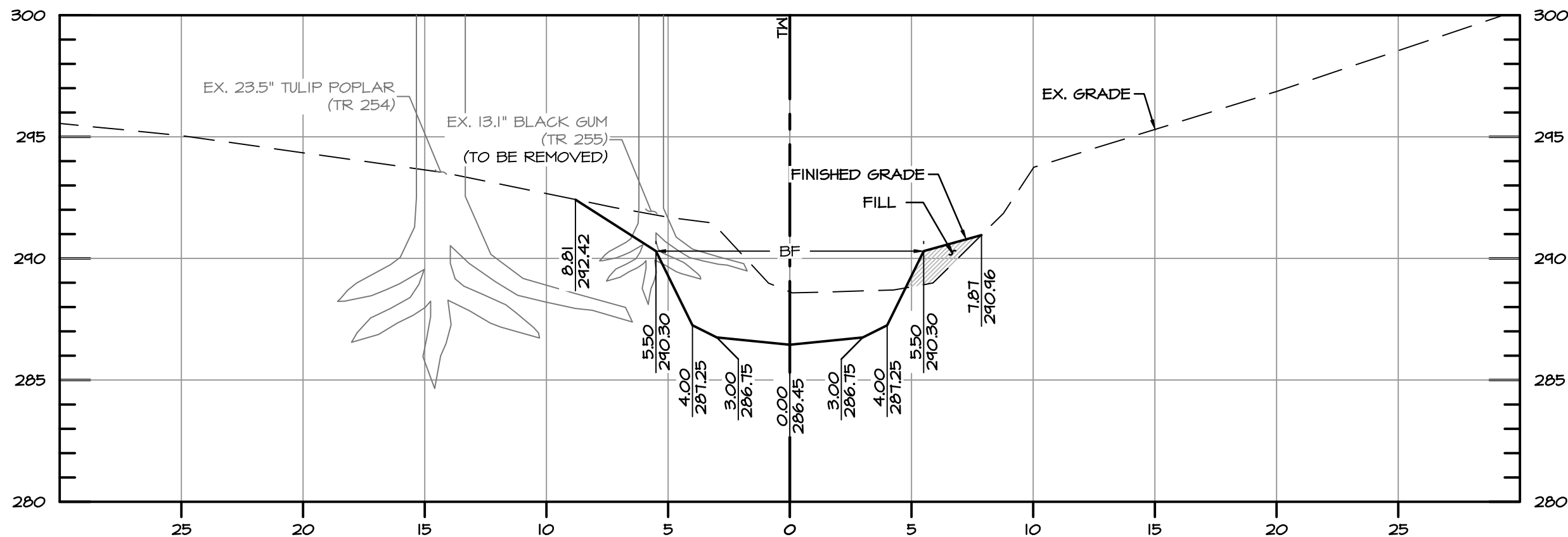
ROLLINS COURT XS-25 STA 10+44.48 (GLIDE)

SCALE: 1" = 5'



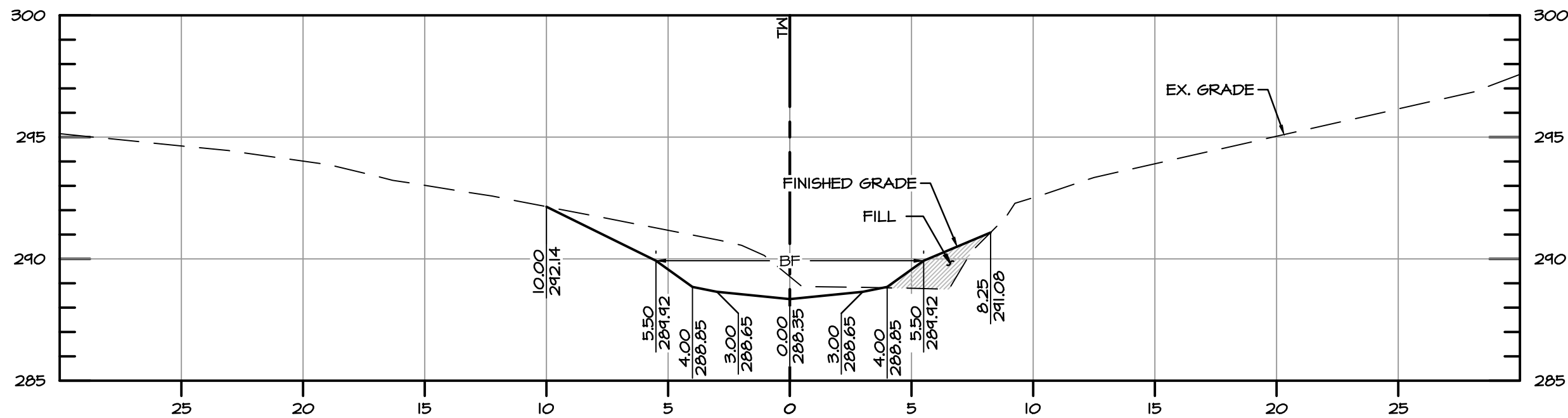
ROLLINS COURT XS-26 STA 10+69.48 (RIFFLE)

SCALE: 1" = 5'



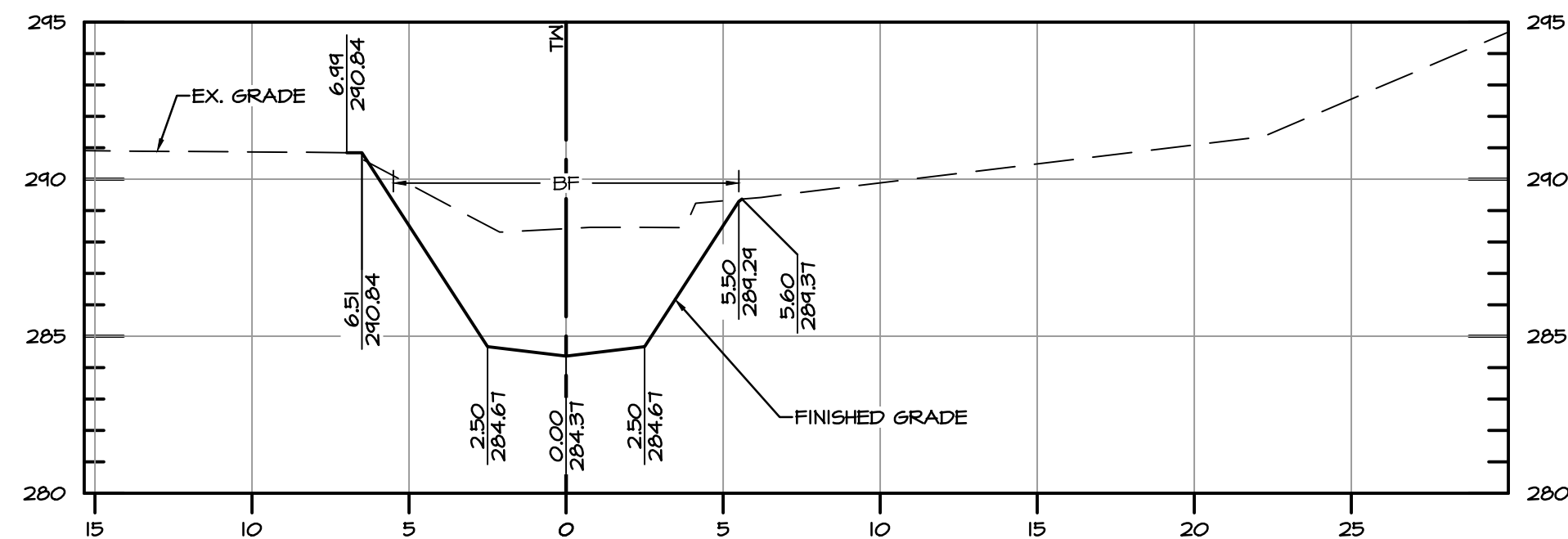
ROLLINS COURT XS-27 STA 10+94.48 (GLIDE)

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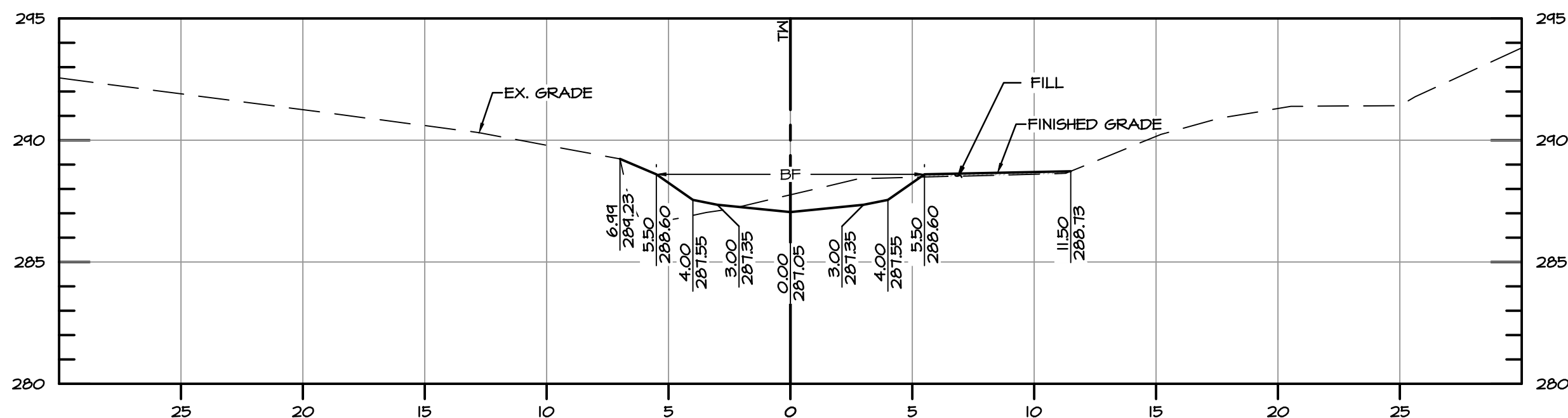
ROLLINS COURT XS-28 STA 11+09.48 (RIFFLE)

SCALE: 1" = 5'



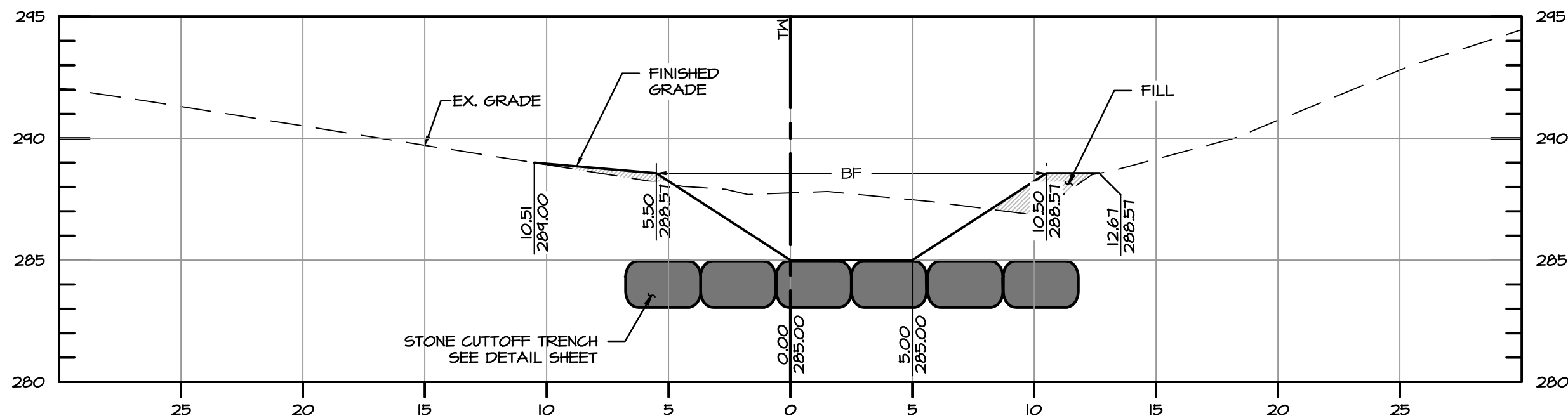
ROLLINS COURT XS-29 STA 11+33.02 (POOL)

SCALE: 1" = 5'



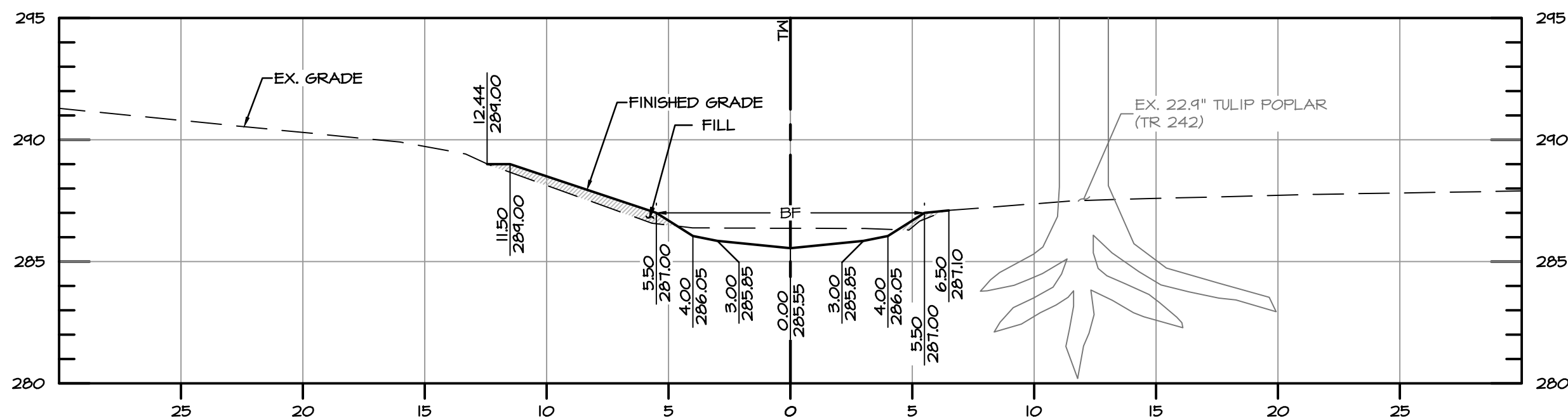
ROLLINS COURT XS-30 STA 11+60.55 (RIFFLE)

SCALE: 1" = 5'



ROLLINS COURT XS-31 STA 11+83.75 (RUN)

SCALE: 1" = 5'



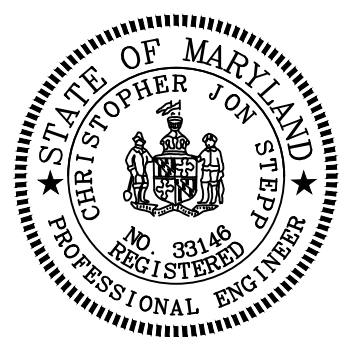
ROLLINS COURT XS-32 STA 12+19.48 (RIFFLE)

SCALE: 1" = 5'

EG-SWMENG-000135-2015 #99974



BayLand
Consultants & Designers, Inc.
"Integrating Engineering and Environment"
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Hanover, Maryland 21076 Fax: (410) 694-9405
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BAYLAND JOB NO. 4_3602

REVISIONS

HARFORD COUNTY, MARYLAND

BARRINGTON PLACE STREAM RESTORATION
CROSS SECTIONS - ROLLINS COURT TRIBUTARY

DRAWN BY: MDD

DESIGNED BY: RP/MDD

REVIEWED BY: CJS

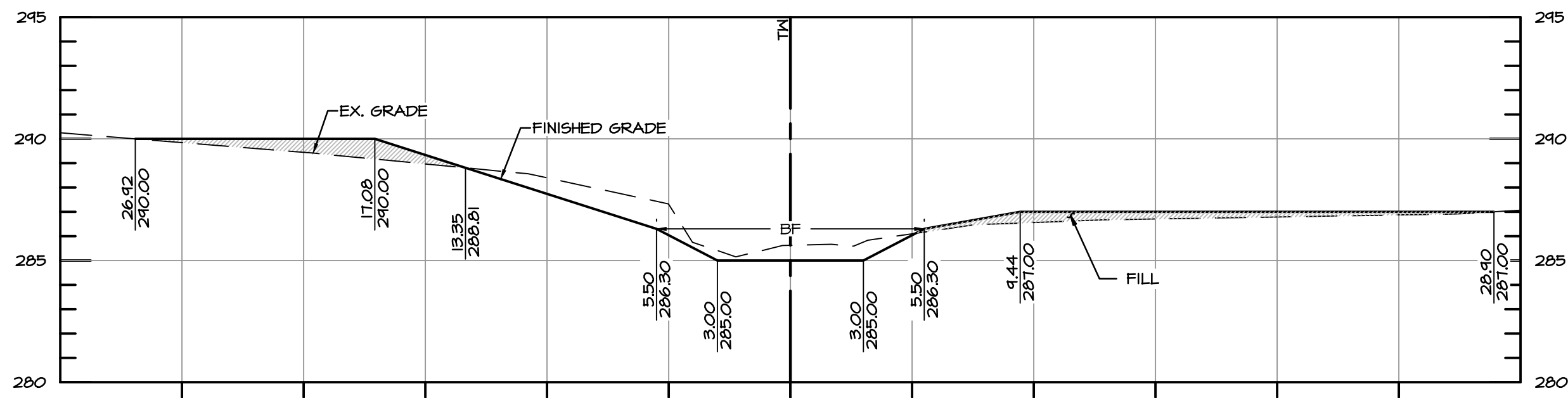
CONTRACT NO. :

SCALE : 1" = 5'

SHEET 34 OF 53

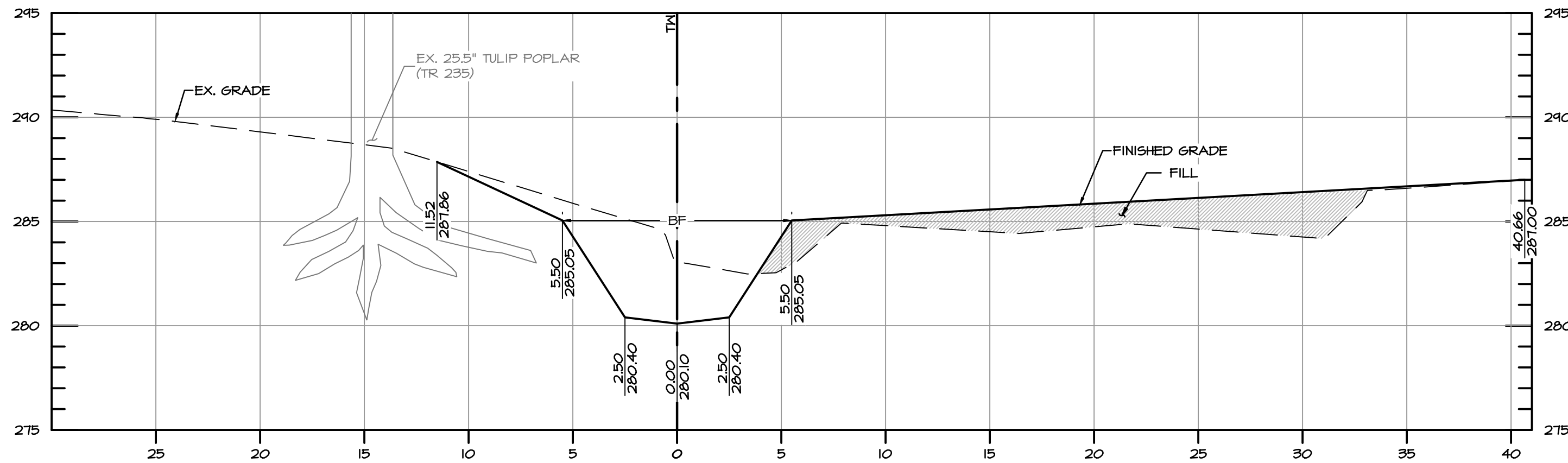
DATE : 01/27/17

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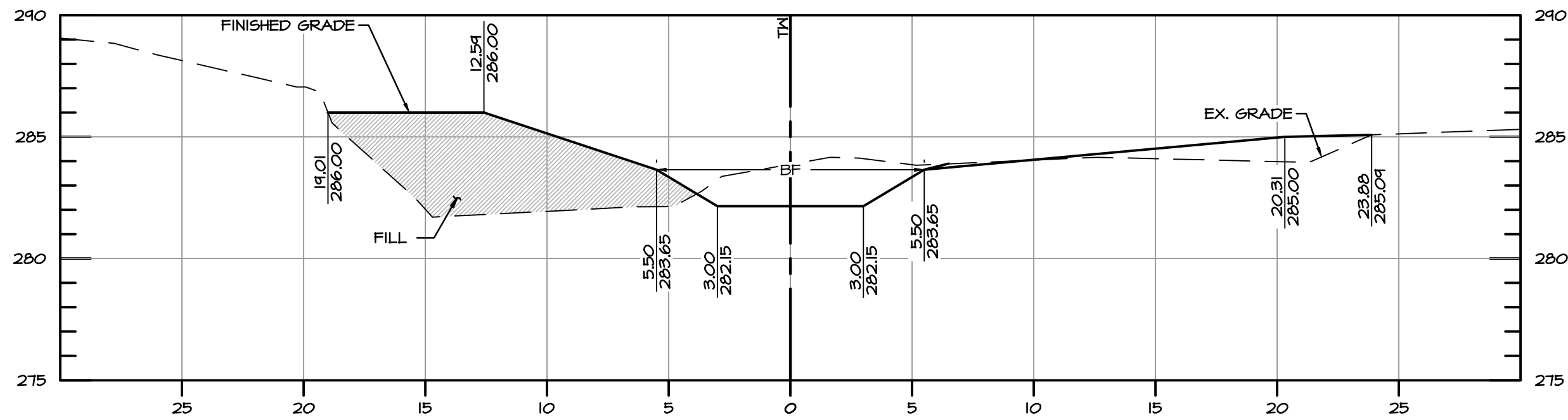
ROLLINS COURT XS-33 STA 12+39.48 (STEP 29)

SCALE: 1" = 5'



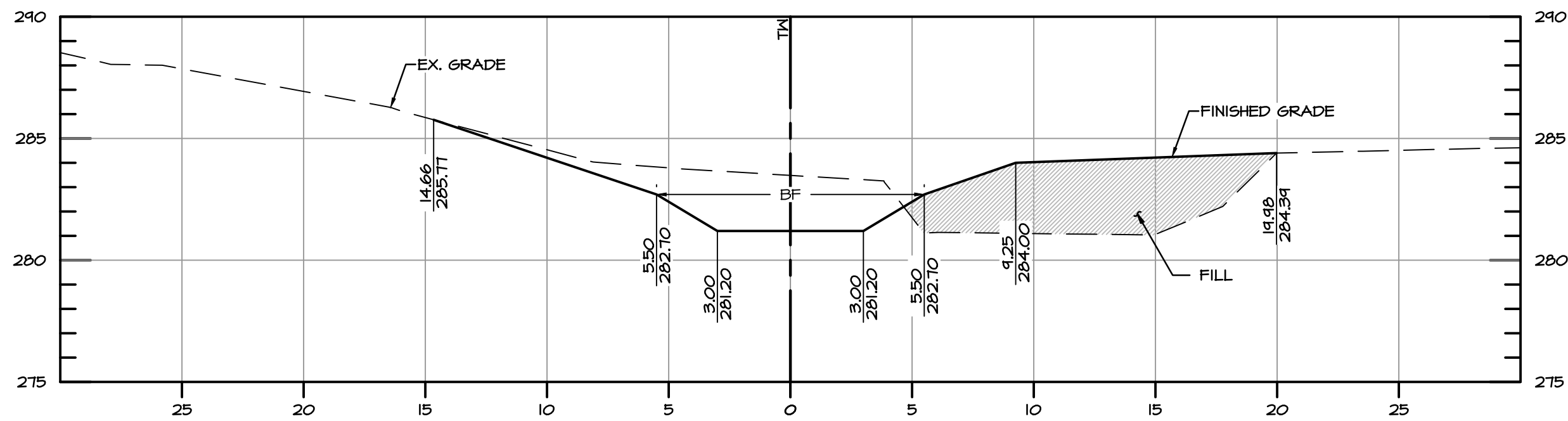
ROLLINS COURT XS-34 STA 12+69.48 (POOL)

SCALE: 1" = 5'



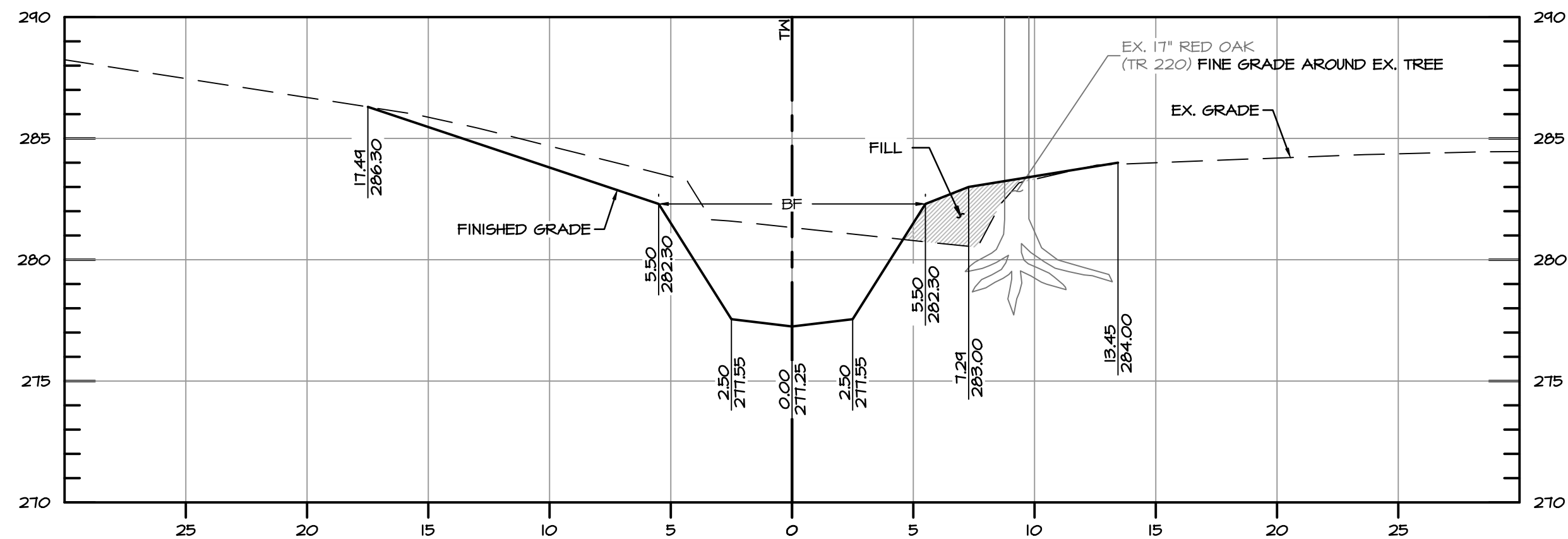
ROLLINS COURT XS-35 STA 12+99.48 (STEP 32)

SCALE: 1" = 5'



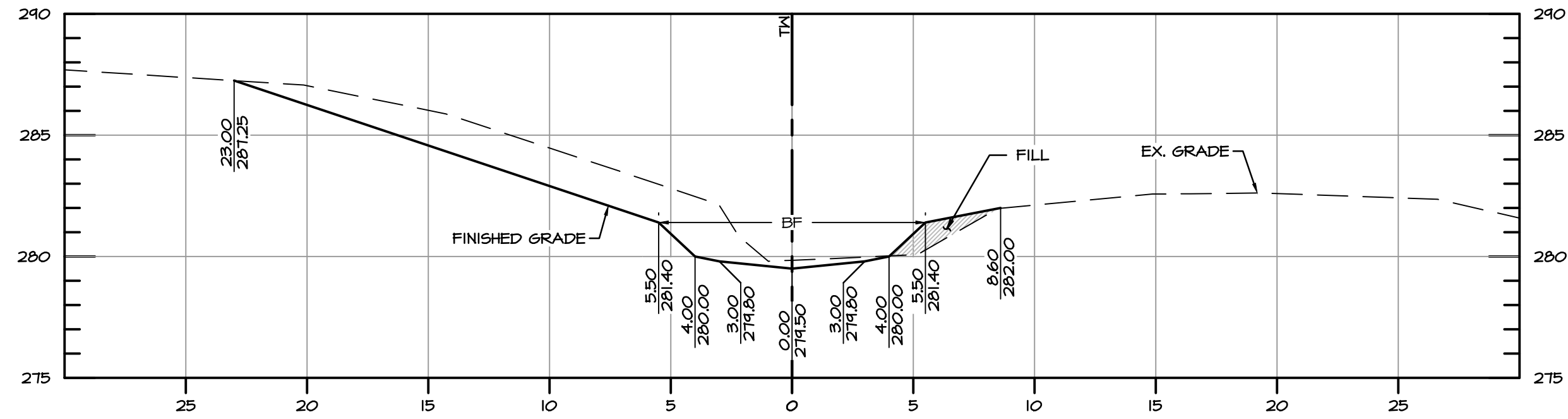
ROLLINS COURT XS-36 STA 13+19.48 (STEP 33)

SCALE: 1" = 5'



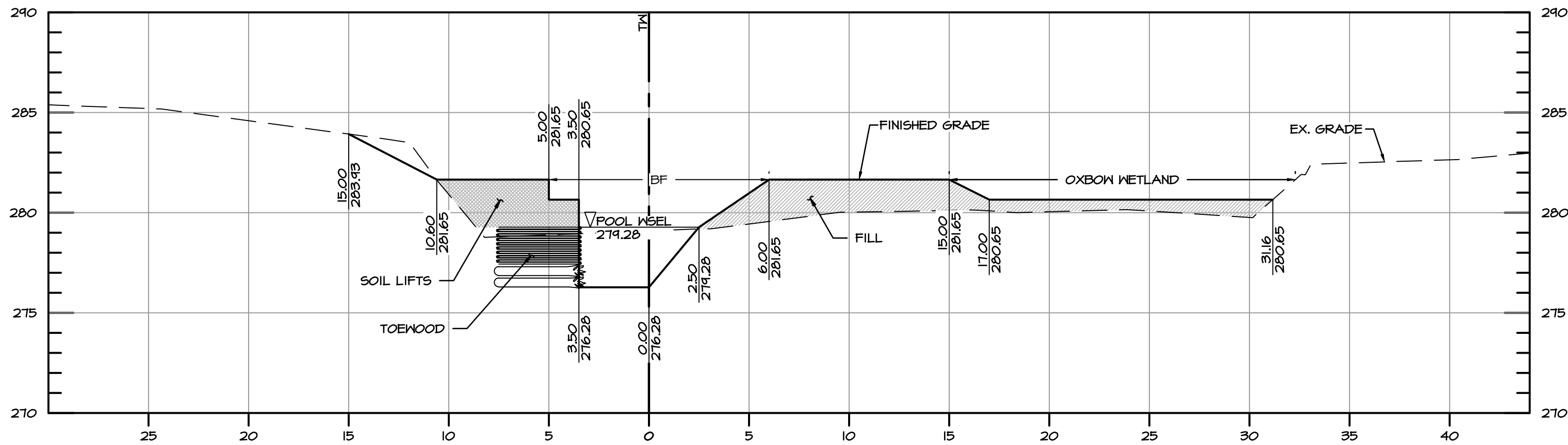
ROLLINS COURT XS-37 STA 13+31.48 (POOL)

SCALE: 1" = 5'



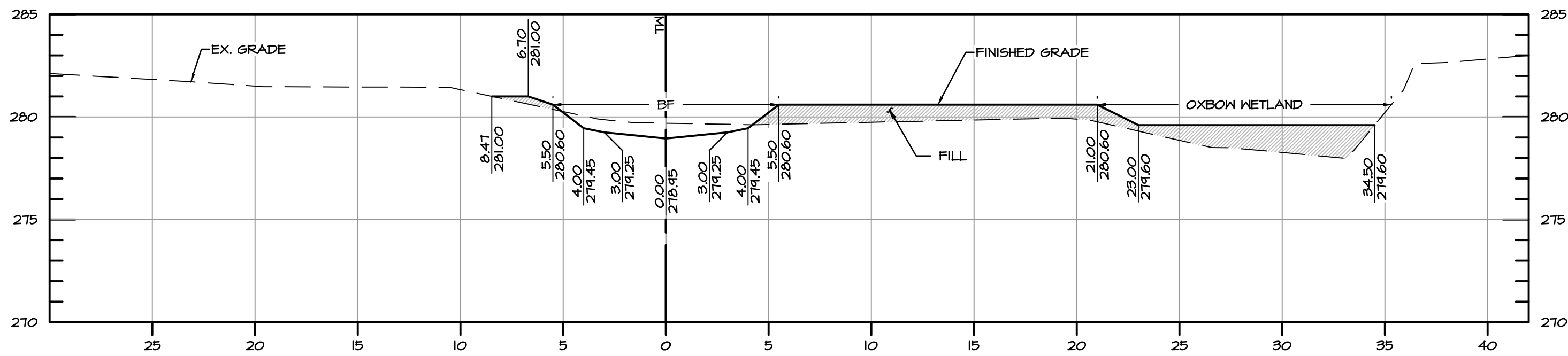
ROLLINS COURT XS-38 STA 13+69.48 (RUN)

SCALE: 1" = 5'



ROLLINS COURT XS-39 STA 13+94.48 (POOL)

SCALE: 1" = 5'



ROLLINS COURT XS-40 STA 14+19.48 (RIFFLE)

SCALE: 1" = 5'

EG-SWMENG-000135-2015 #99974



7455 New Ridge Road, Suite T Phone: (410) 694-9401
Hanover, Maryland 21076 Fax: (410) 694-9405
Website: www.baylandinc.com

BAYLAND JOB NO. 4_3602



REVISIONS		HARFORD COUNTY, MARYLAND	
		BARRINGTON PLACE STREAM RESTORATION CROSS SECTIONS - ROLLINS COURT TRIBUTARY	
DRAWN BY: MDD		CONTRACT NO. :	
DESIGNED BY: RP/MDD		SCALE: 1" = 5'	
REVIEWED BY: CJS		SHEET 35 OF 53	
		DATE: 01/27/17	

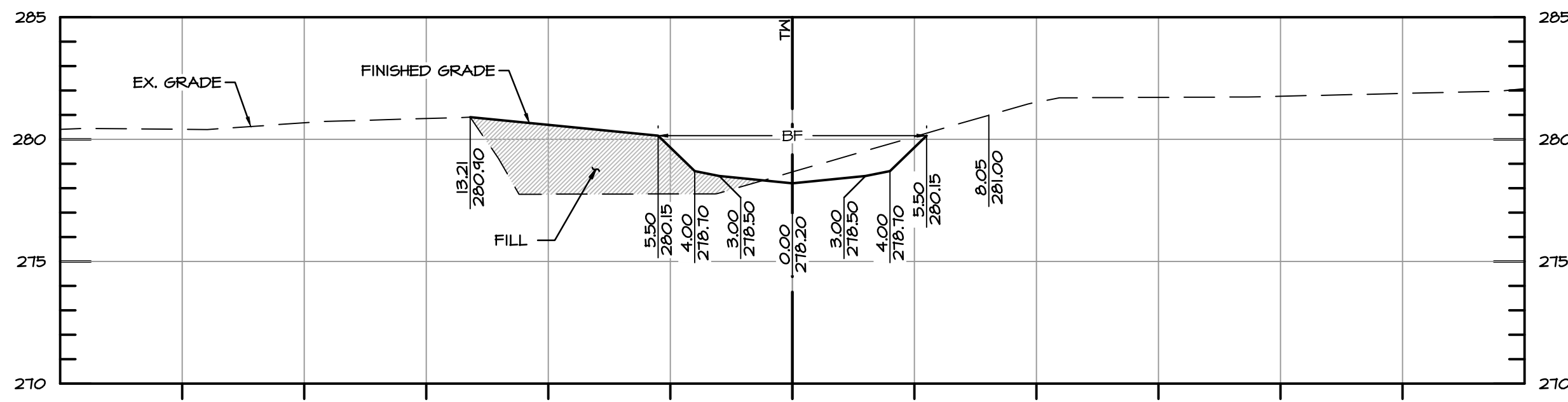
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TAX MAP :

HCG BILLING ID No.:

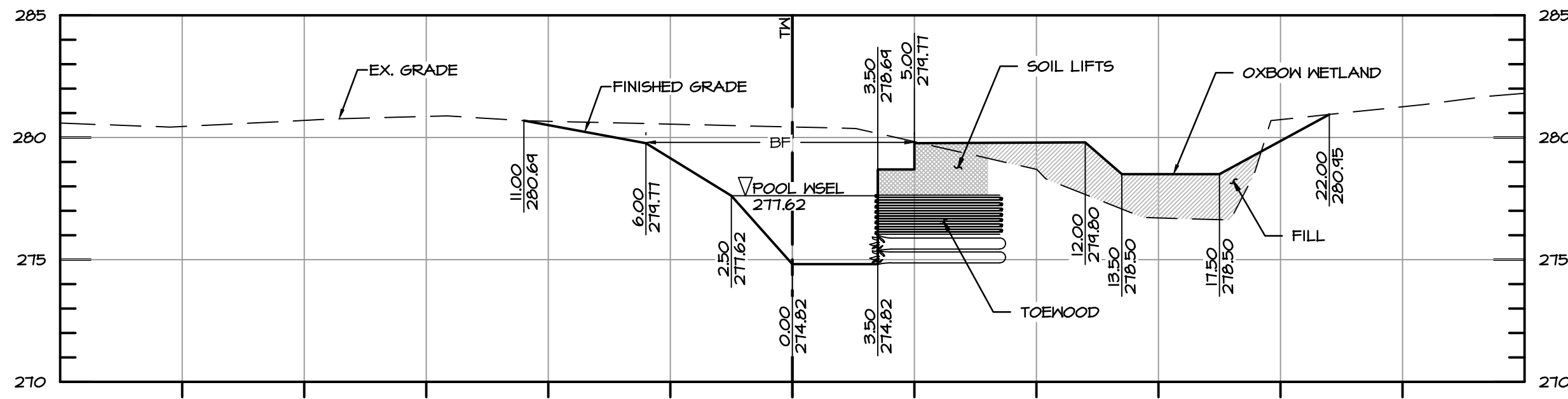
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SCALE: 1" = 5'



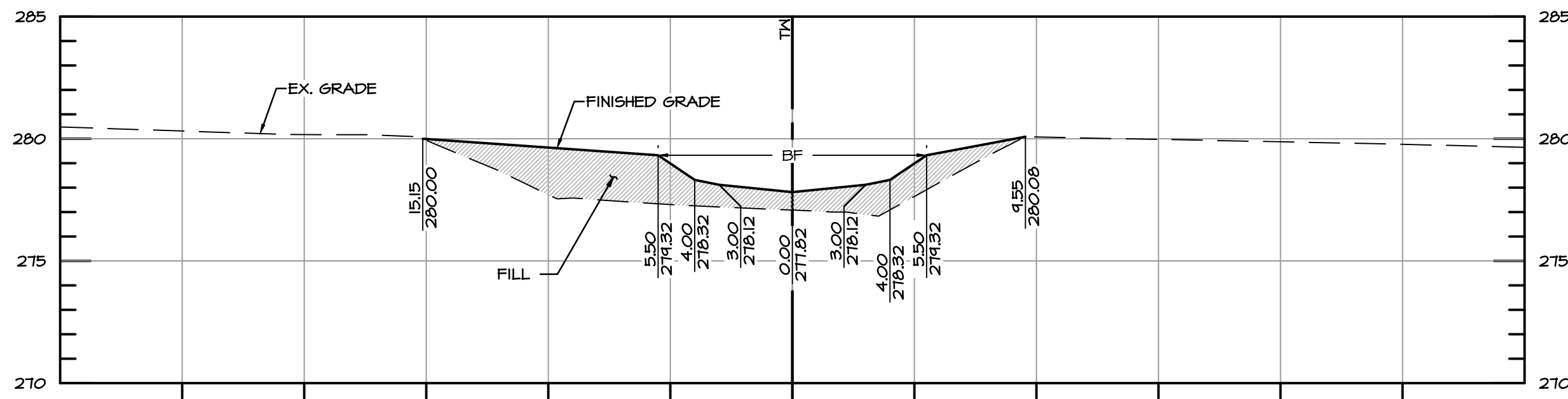
ROLLINS COURT XS-41 STA 14+44.48 (RIFFLE)

SCALE: 1" = 5'



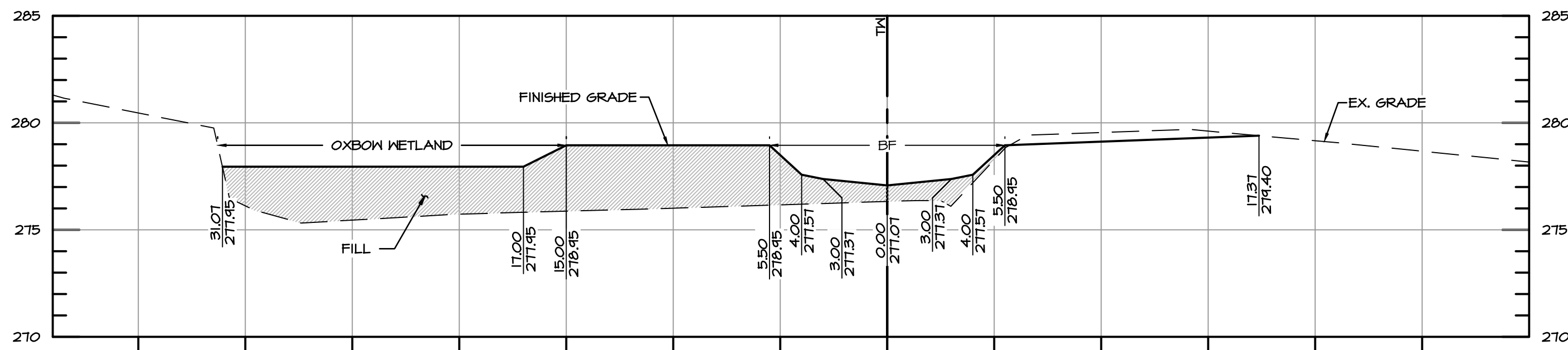
ROLLINS COURT XS-42 STA 14+69.48 (POOL)

SCALE: 1" = 5'



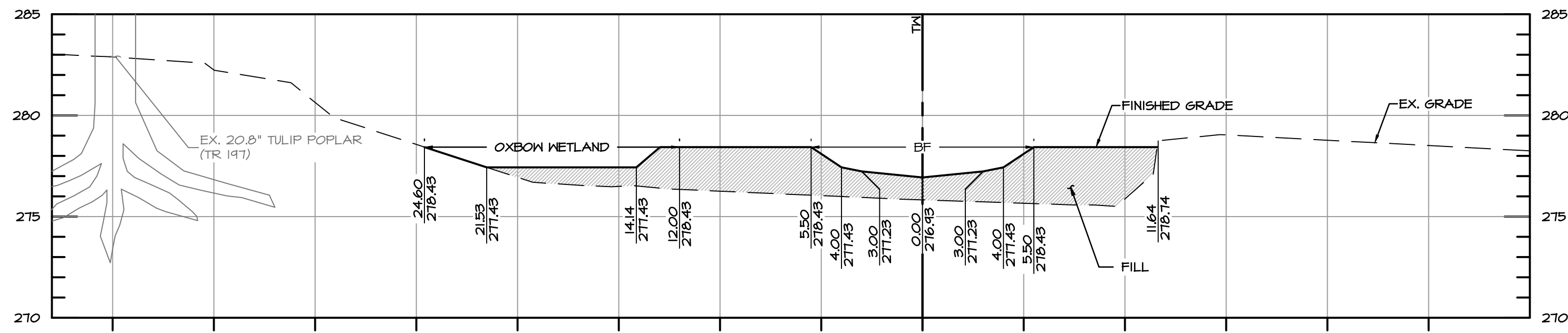
ROLLINS COURT XS-43 STA 14+94.48 (RIFFLE)

SCALE: 1" = 5'



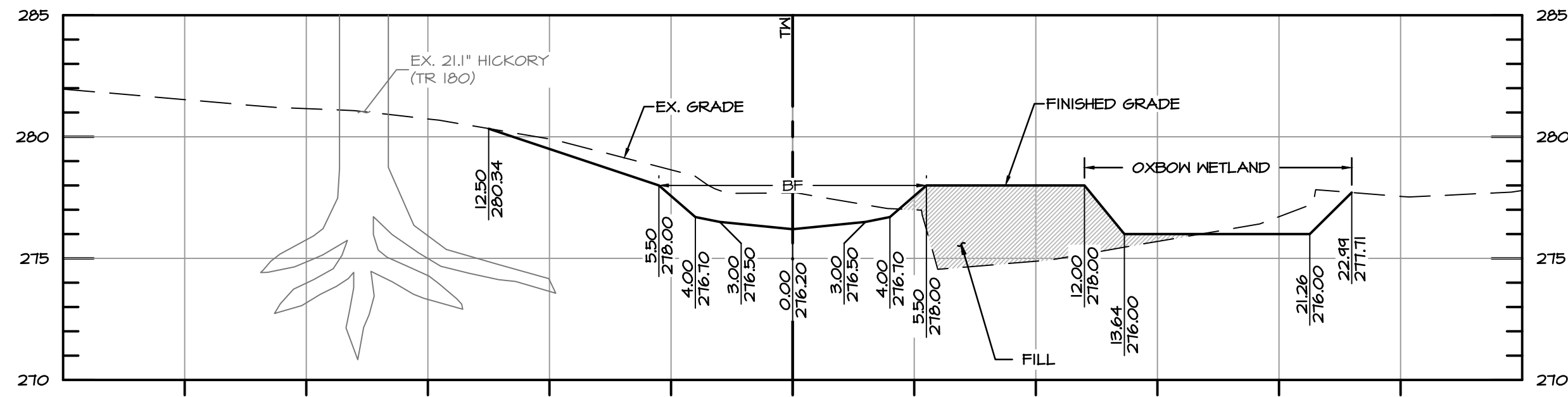
ROLLINS COURT XS-44 STA 15+19.48 (RUN)

SCALE: 1" = 5'



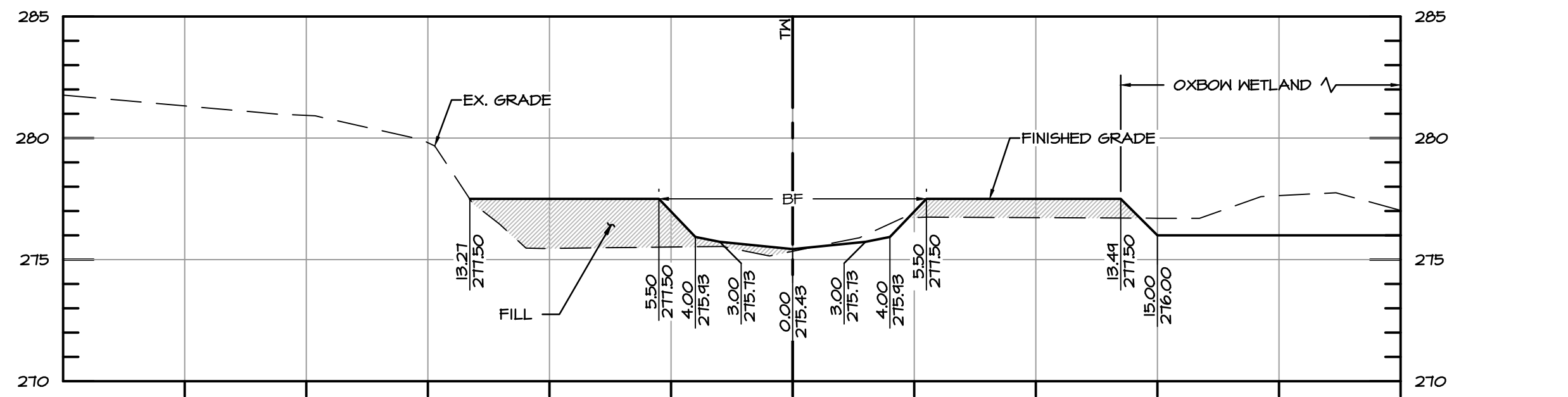
ROLLINS COURT XS-45 STA 15+44.48 (RIFFLE)

SCALE: 1" = 5'



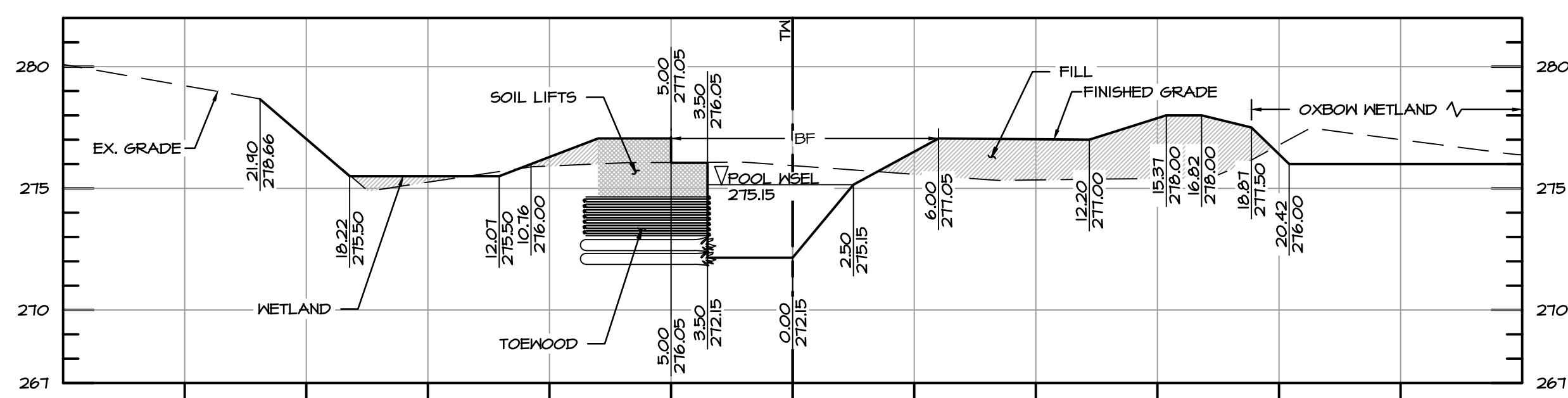
ROLLINS COURT XS-46 STA 15+69.48 (RIFFLE)

SCALE: 1" = 5'



ROLLINS COURT XS-47 STA 15+94.48 (RUN)

SCALE: 1" = 5'



ROLLINS COURT XS-48 STA 16+19.48 (POOL)

SCALE: 1" = 5'

EG-SWMENG-000135-2015 #99974



REVISIONS

HARFORD COUNTY, MARYLAND

BARRINGTON PLACE STREAM RESTORATION
CROSS SECTIONS - ROLLINS COURT TRIBUTARY

DRAWN BY: MDD

DESIGNED BY: RP/MDD

REVIEWED BY: CJS

CONTRACT NO. :

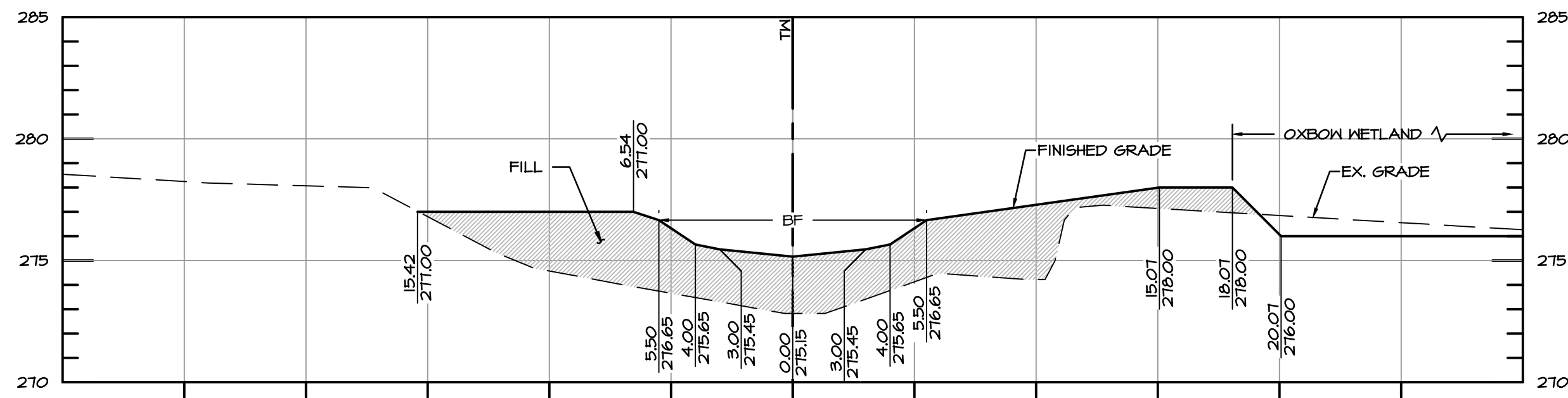
SCALE: 1" = 5'

SHEET 36 OF 53

DATE: 01/27/17

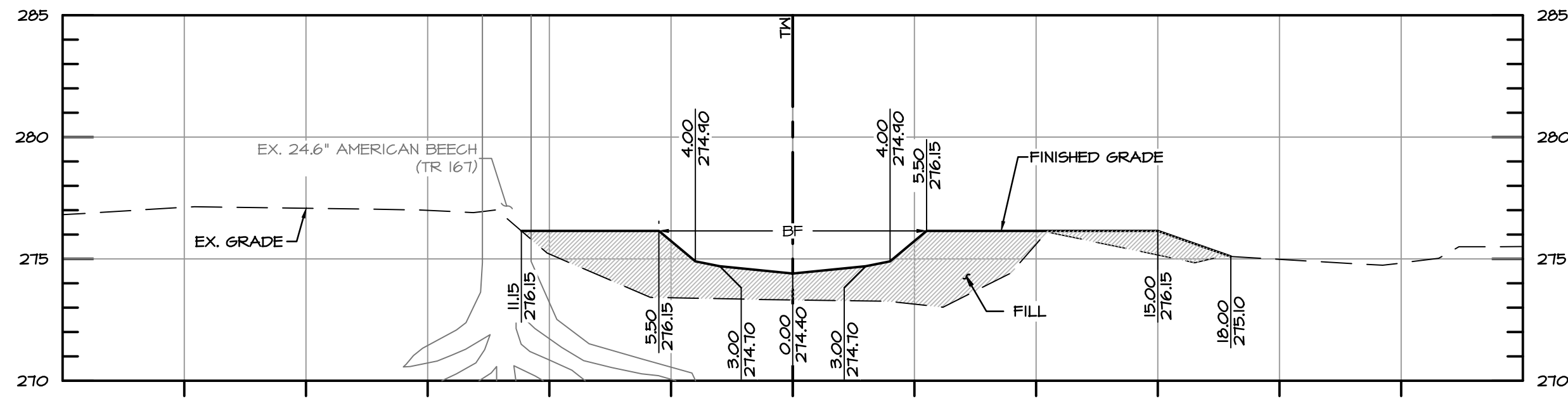
BAYLAND JOB NO. 4_3602

Z:\4_3602_BARRINGTON_&_ROLLINS_FINAL_DESIGN\CAD_Files\Sheet_Files\4_3602_XSEC06.dwg



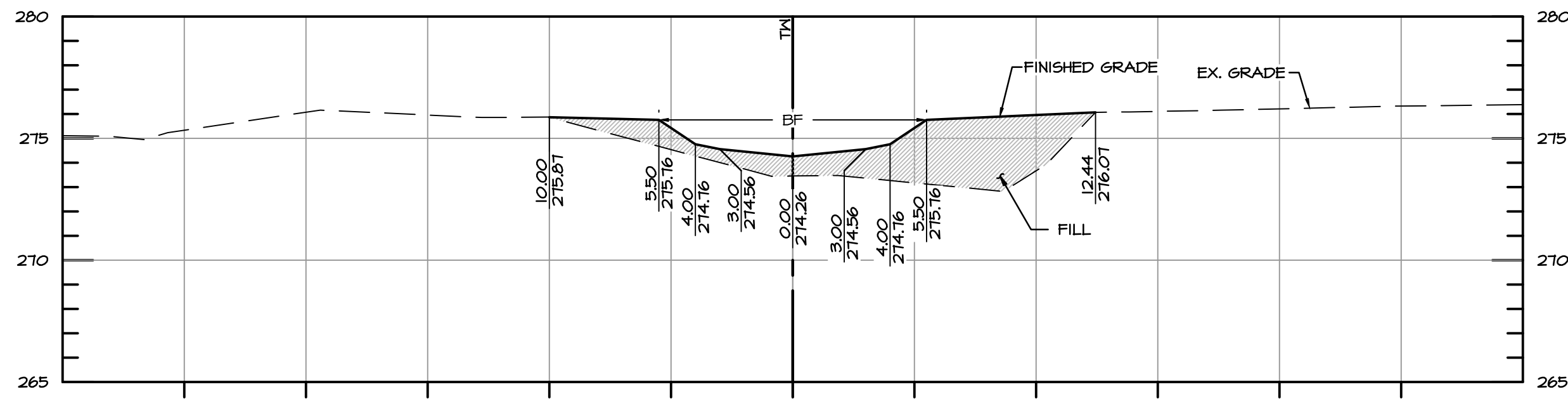
ROLLINS COURT XS-49 STA 16+44.48 (RIFFLE)

SCALE: 1" = 5'



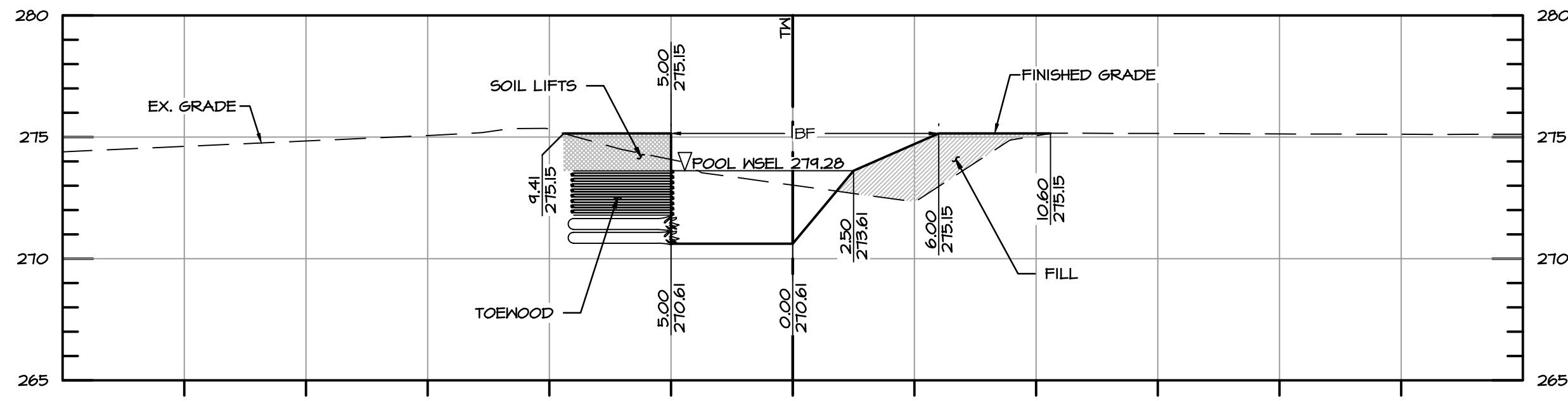
ROLLINS COURT XS-50 STA 16+69.48 (RUN)

SCALE: 1" = 5'



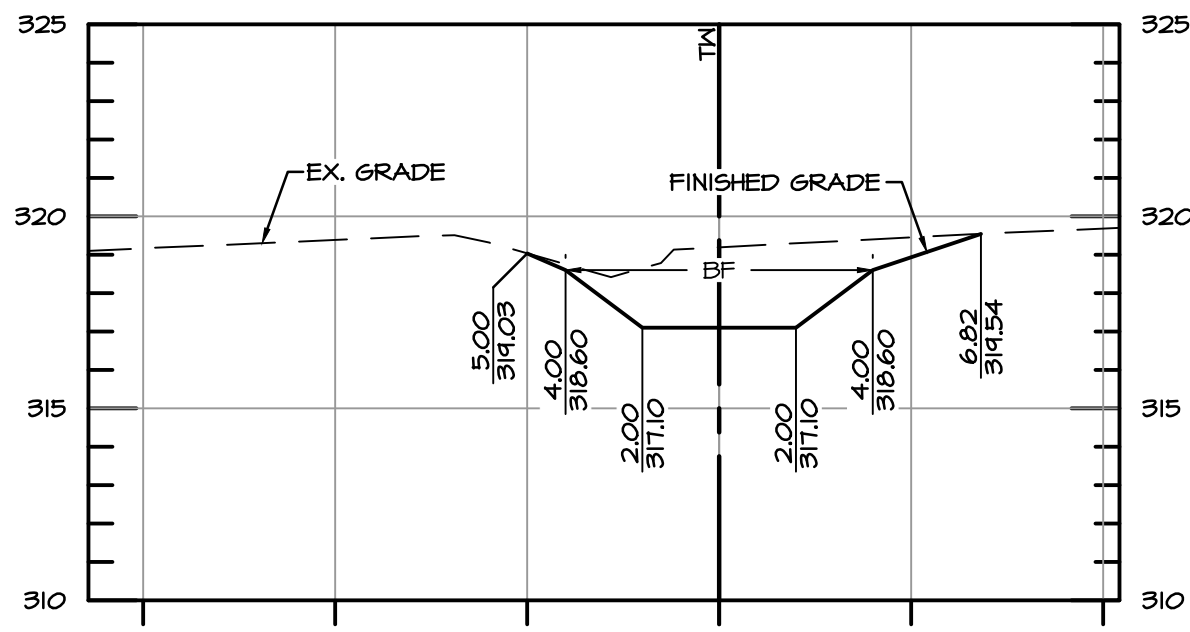
ROLLINS COURT XS-51 STA 16+94.48 (RIFFLE)

SCALE: 1" = 5'



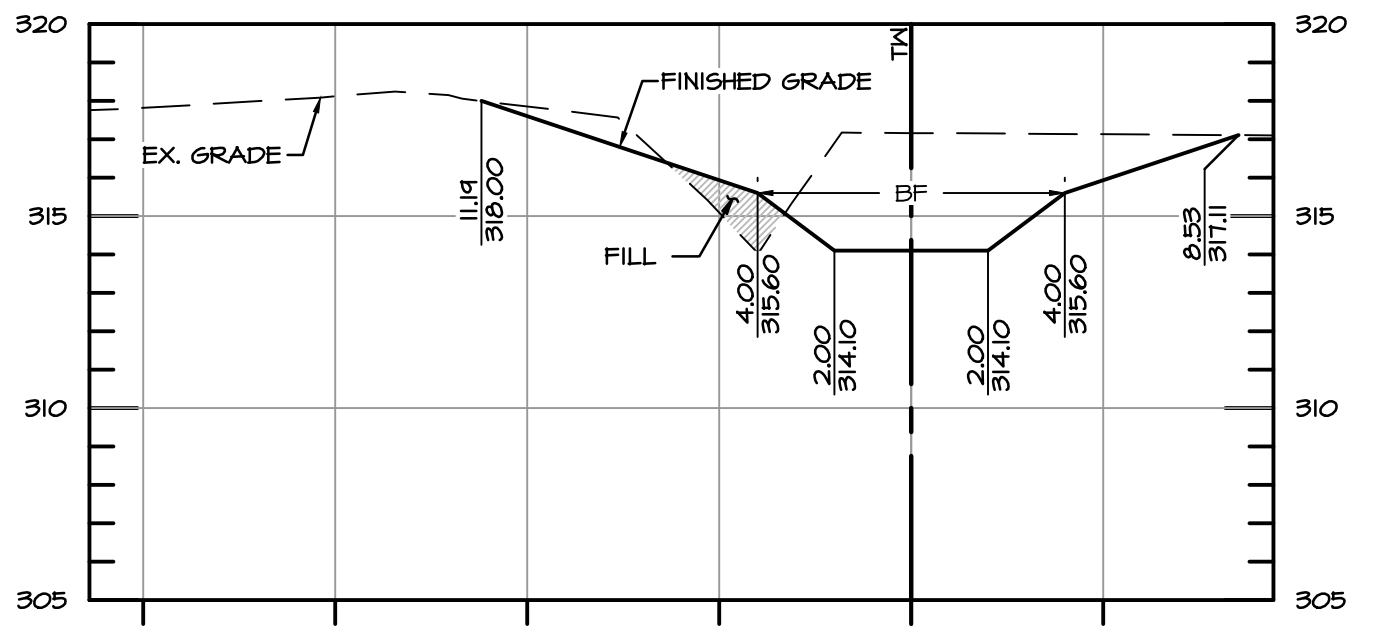
ROLLINS COURT XS-52 STA 17+19.48 (POOL)

SCALE: 1" = 5'



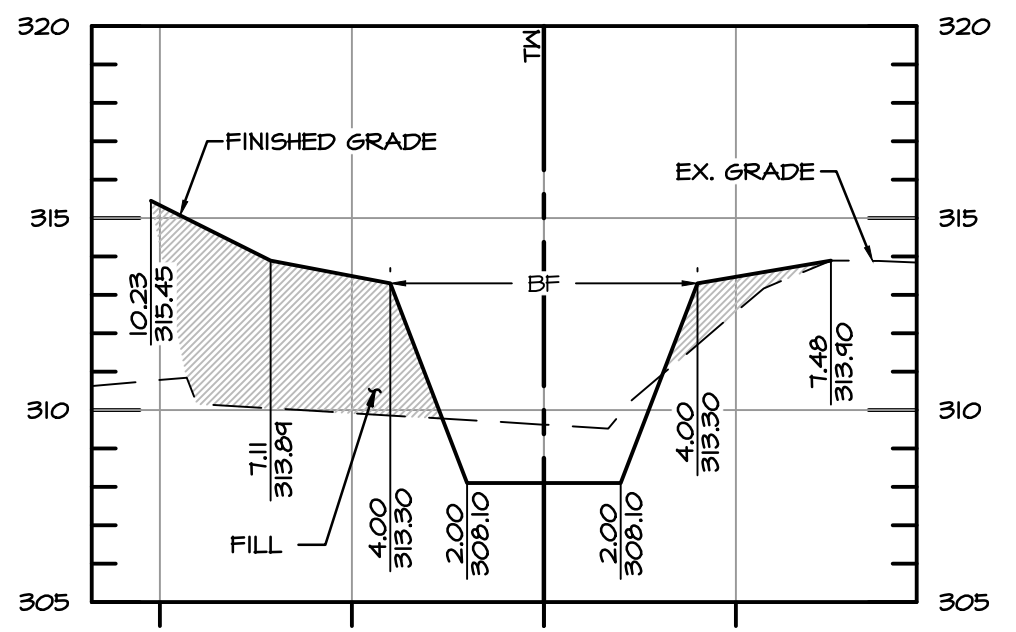
ROLLINS COURT BRANCH #3 XS-1 STA 0+25.00 (STEP 3)

SCALE: 1" = 5'



ROLLINS COURT BRANCH #3 XS-2 STA 0+50.00 (STEP 5)

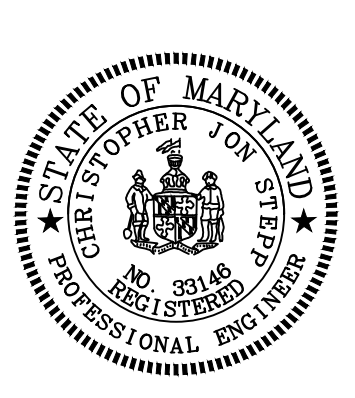
SCALE: 1" = 5'



ROLLINS COURT BRANCH #3 XS-3 STA 0+69.25 (POOL)

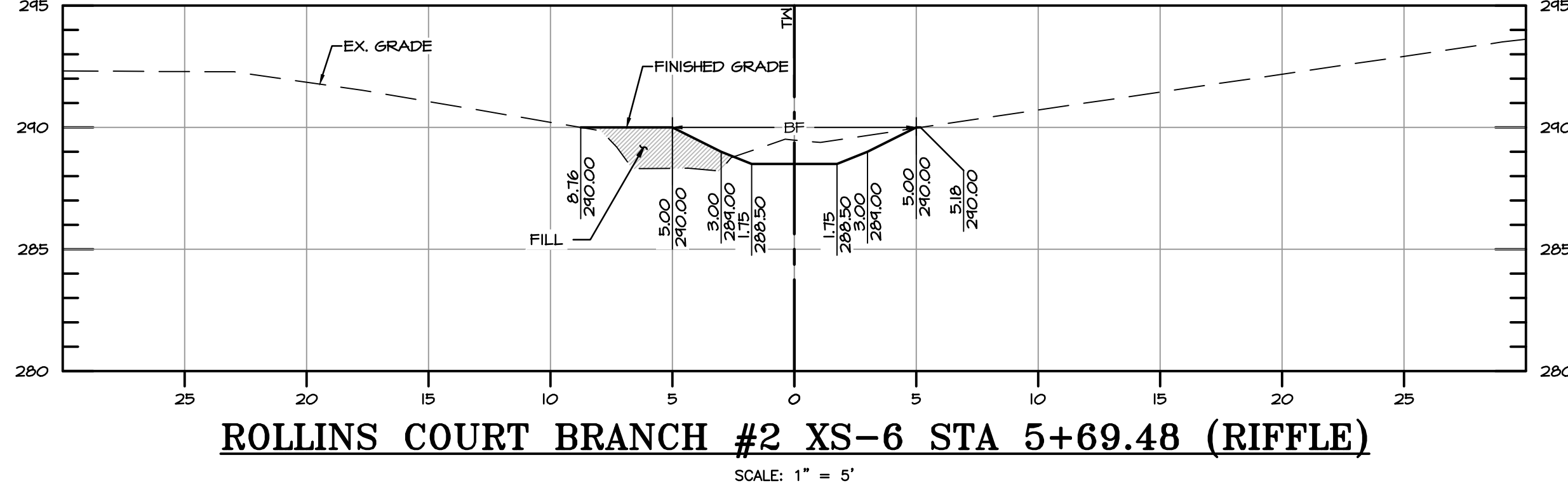
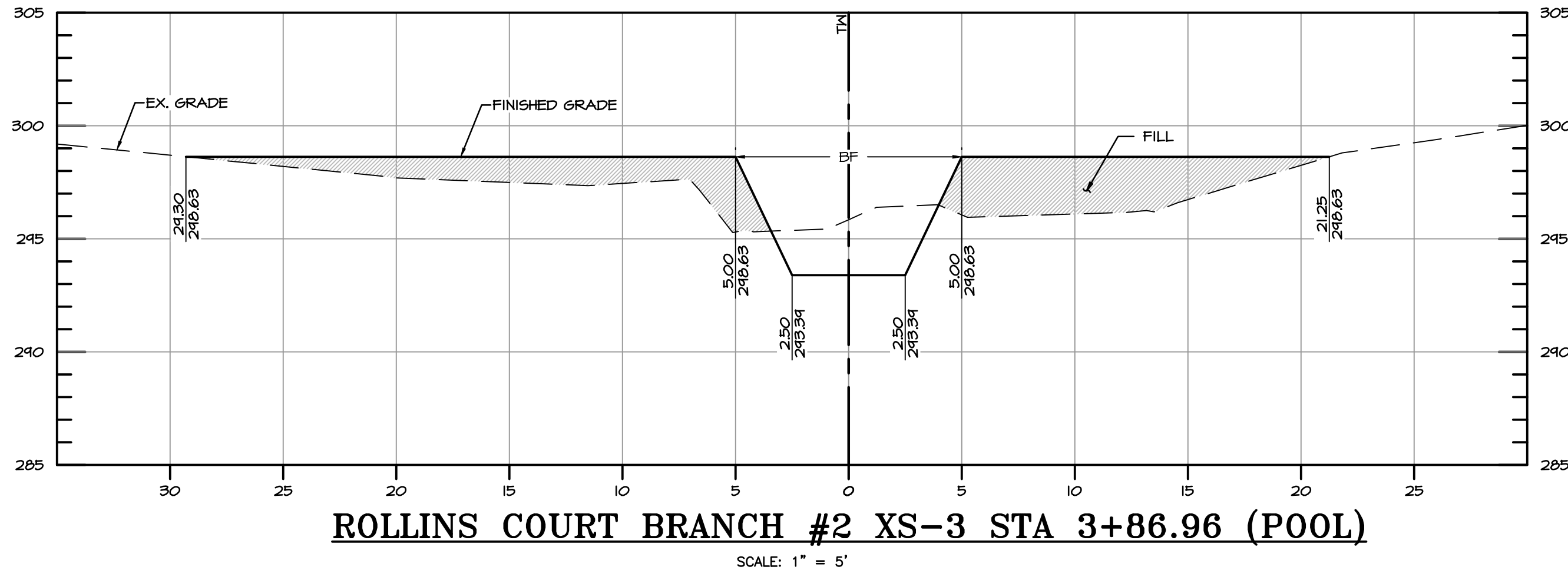
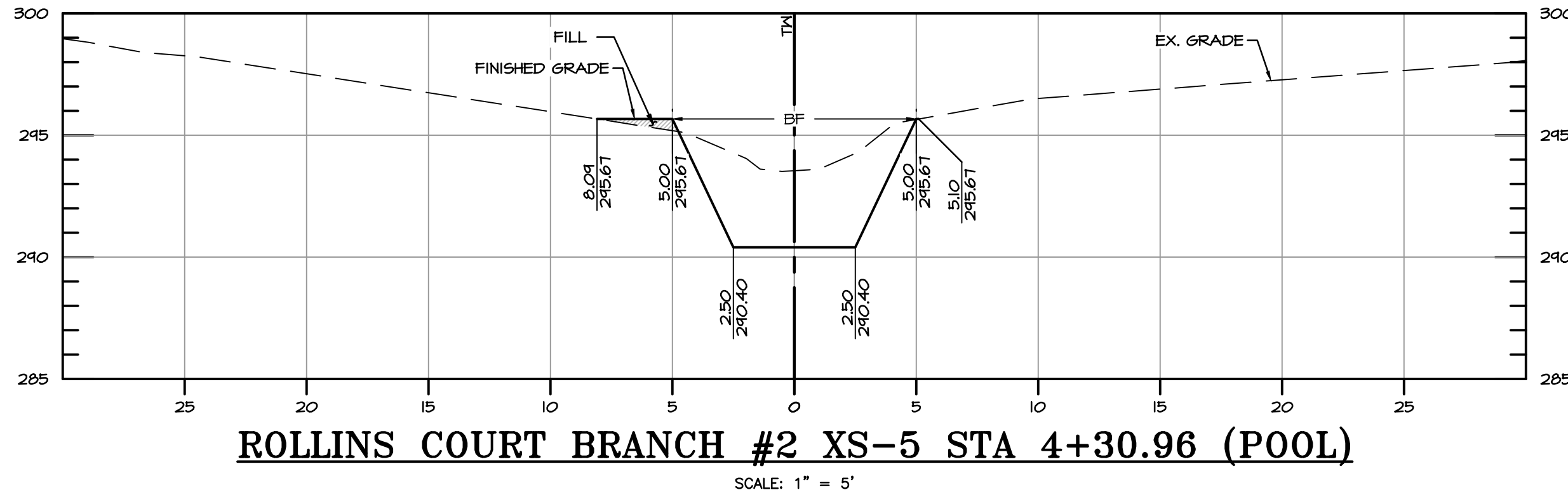
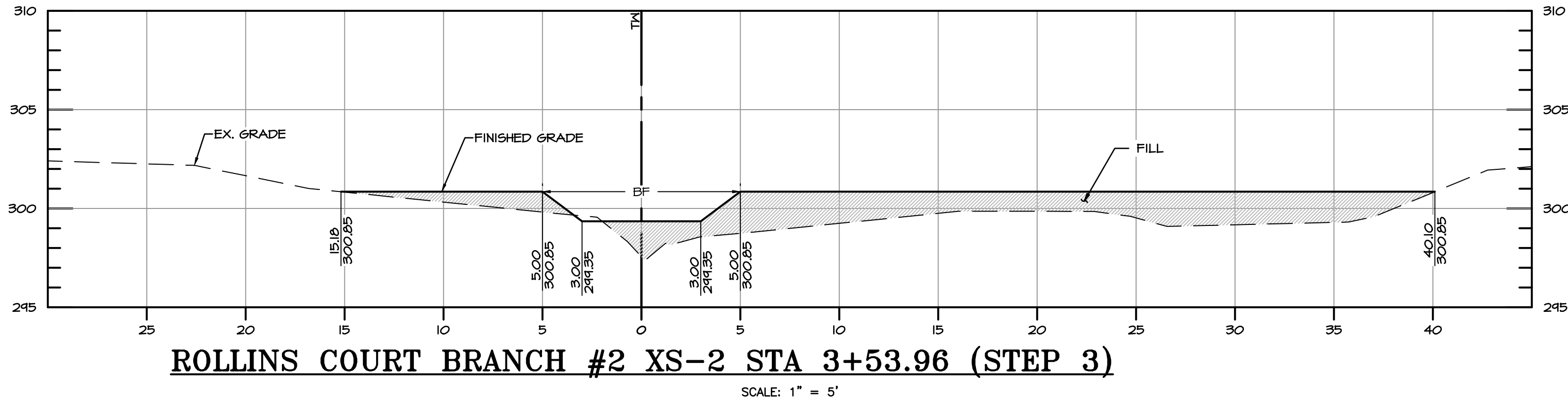
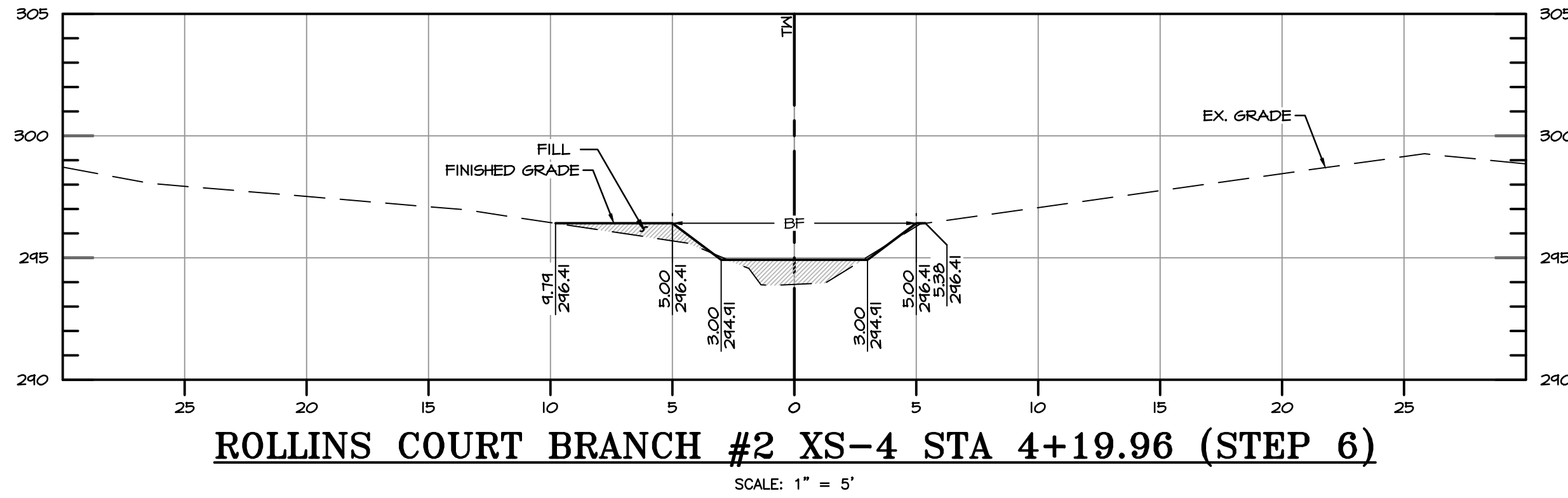
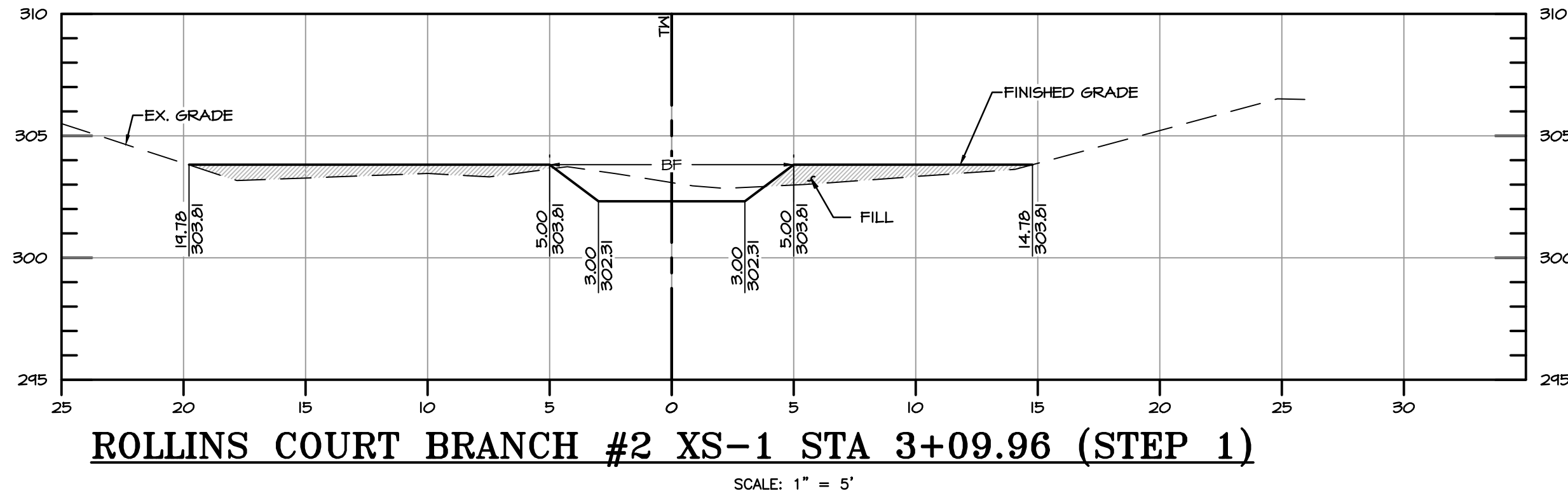
SCALE: 1" = 5'

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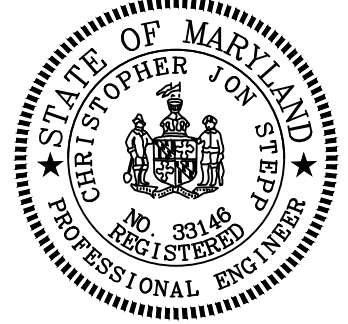


REVISIONS	

HARFORD COUNTY, MARYLAND	
BARRINGTON PLACE STREAM RESTORATION CROSS SECTIONS - ROLLINS COURT TRIBUTARY	
DRAWN BY: MDD	CONTRACT NO. :
DESIGNED BY: RP/MDD	SCALE: 1" = 5'
REVIEWED BY: CJS	SHEET 37 OF 53
	DATE: 01/27/17



EG-SWMENG-000135-2015 #99974



REVISIONS		HARFORD COUNTY, MARYLAND	
		BARRINGTON PLACE STREAM RESTORATION CROSS SECTIONS - ROLLINS COURT TRIBUTARY BRANCH #2	
DRAWN BY: MDD		CONTRACT NO. :	
DESIGNED BY: RP/MDD		SCALE : 1" = 5'	
REVIEWED BY: CJS		SHEET 38 OF 53	
		DATE : 01/27/17	