

LEGEND

- PURPOSED
- EXISTING/REMAIN
- REMOVE/ABANDON

ARMSTRONG
RELOCATION PLAN

DESIGN PROTECTION, MAT, TYPE B
(210' x 11' / 9 = 256.67 SY)

ROCK CHANNEL PROTECTION, TYPE C WITH FILTER
(31' x 11' x 1.5' / 27 = 18.94 CY)

ARTICULATING CONCRETE BLOCK REVETMENT SYSTEM, TYPE 1
(168' x 14' / 9 = 105.78 SY)

SEEDING AND EROSION CONTROL EC WITH TURF REINFORCING MAT, TYPE 1
(100' x 18' / 9 = 200 SY)

ROCK CHANNEL PROTECTION, TYPE C WITH FILTER
(15' / 27 = 118.22 CY)

SEEDING AND EROSION CONTROL EC WITH TURF REINFORCING MAT, TYPE 2
(200' x 14.5' / 9 = 322.22 SY)

ROCK CHANNEL PROTECTION, TYPE C WITH FILTER
(100' x 13.5' x 1.5' / 27 = 75 CY)

STA 161+53
280' LT, AEP
POLE TO REMAIN

STA 164+68, 304'
LT, AEP POLE TO
REMAIN

STA 166+25
169' LT, AEP
POLE REMAIN,
ARM DETACH

STA 167+76, 105'
LT, AEP POLE TO
REMAIN, ARM
DETACH

STA 165+92, 143'
RT, ABANDON PED

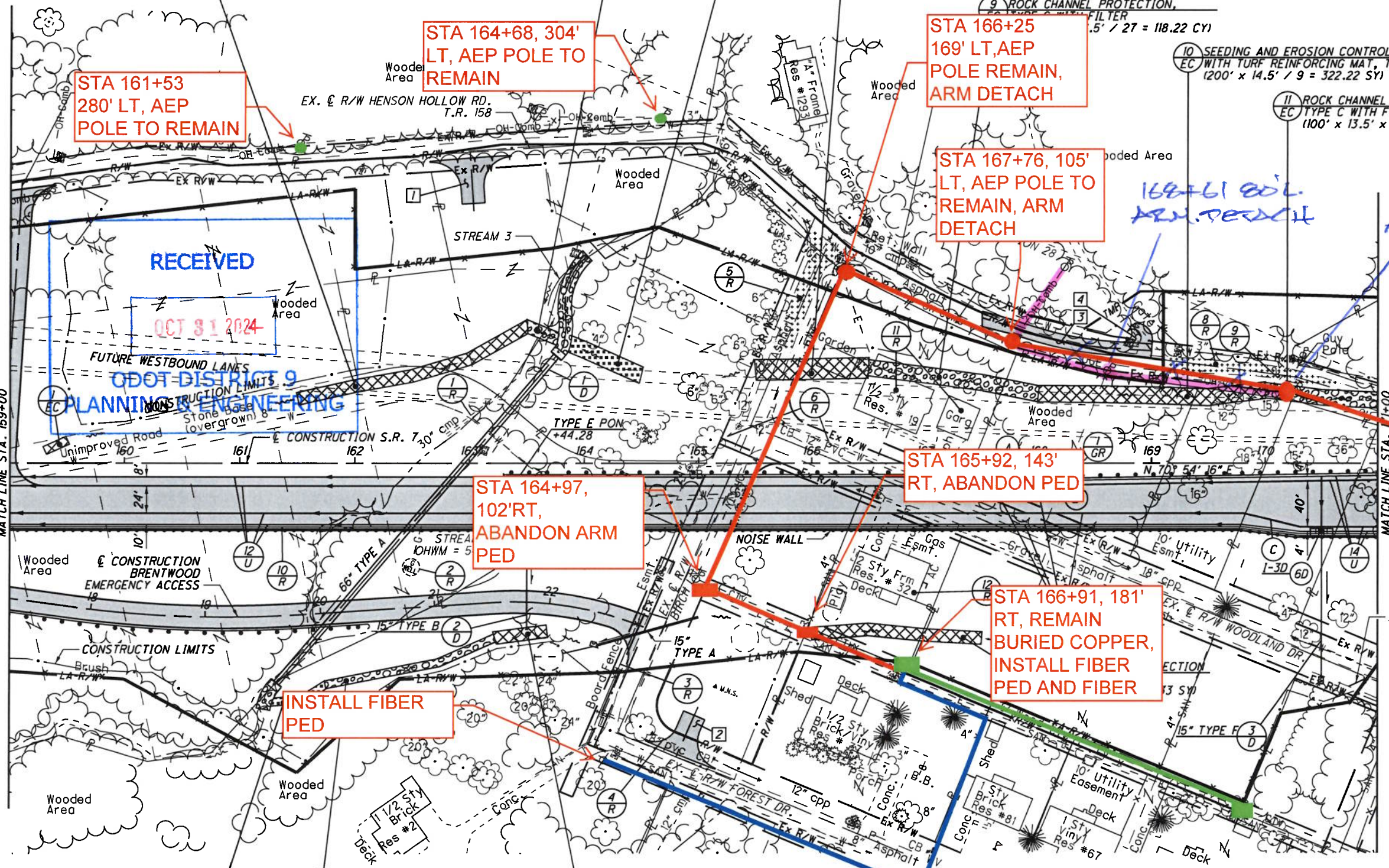
STA 164+97, 102'
RT, ABANDON ARM
PED

STA 166+91, 181'
RT, REMAIN
BURIED COPPER,
INSTALL FIBER
PED AND FIBER

INSTALL FIBER
PED

INSTALL FIBER
PED

PAVEMENT REMOVED
QUANTITIES ARE INCLUDED IN REFERENCE
NUMBERS 5-R AND 8-R FOR THE REMOVAL OF
EXISTING PAVEMENT, REGRADING TO ENSURE A
DRAINABLE SURFACE AND SEEDING AND
MULCHING OF THE AREA SHOWN.



ARTICULATING CONCRETE BLOCK REVETMENT SYSTEM, TYPE 1
(150' x 7' / 9 = 38.89 SY)

ROCK CHANNEL PROTECTION, TYPE C WITH FILTER
(200' x 7' x 1.5' / 27 = 77.78 CY)

SEEDING AND EROSION CONTROL EC WITH TURF REINFORCING MAT, TYPE 1
(150' x 11' / 9 = 61.11 SY)

SEEDING AND EROSION CONTROL EC WITH TURF REINFORCING MAT, TYPE 1
(20' x 7.5' / 9 = 16.67 SY)

A - STA. 167+72.52
BEGIN PAVEMENT TAPER, 20' RT.
BEGIN SHOULDER TAPER, 12' RT.

B - STA. 168+12.52
END SHOULDER TAPER, 15.33' RT.

C - STA. 169+80.98
BEGIN PAVEMENT TAPER, 44' RT.
BEGIN SHOULDER TAPER, 54' RT.

C - STA. 170+30.98
END PAVEMENT TAPER, 56' RT.
END SHOULDER TAPER, 60' RT.

PROPOSED PAVEMENT

FOR QUANTITIES, SEE SHEETS 71-81
FOR PROFILE, SEE SHEET 104
FOR BRENTWOOD EMERGENCY ACCESS, SEE SHEET 465
FOR INTERSECTION DETAILS, SEE SHEETS 623
FOR DRIVE DETAILS, SEE SHEETS 630-638
FOR CULVERT DETAILS, SEE SHEETS 652-655
FOR UNDERDRAIN TABLES, SEE SHEETS 674-678
FOR TRAFFIC CONTROL PLAN, SEE SHEETS 713-733A
FOR FENCE TABLES, SEE SHEETS 1039-1041

SCALE IN FEET

0 25 50 100

CALCULATED SLP CHECKED ALB

PLAN - S.R. 7

STA. 159+00 TO STA. 171+00

LAW-7-2.17

103
1247

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CURVE DATA
S.R. 7
CURVE NO. 2

P.I. STA. 182+06.44	$\theta_s = 2^\circ 59' 44''$
$\Delta = 24^\circ 16' 14''$ (LT)	$L_s = 275.00'$
$D_c = 2^\circ 10' 43''$	$T_s = 703.26'$
$R = 2,630.00'$	$LT = 183.36'$
$T = 423.13'$	$ST = 91.69'$
$L = 839.08'$	$e_{max} = 5.51\%$
$E = 33.82'$	CS STA. 186+17.26
TS STA. 175+03.18	ST STA. 188+92.26
SC STA. 177+78.18	

FOR QUANTITIES, SEE SHEETS 71-81
FOR PROFILE, SEE SHEET 106
FOR DRIVE DETAILS, SEE SHEETS 630-638
FOR UNDERDRAIN TABLES, SEE SHEETS 674-678
FOR TRAFFIC CONTROL PLAN, SEE SHEETS 713-733A
FOR FENCE TABLES, SEE SHEETS 1039-1041

(A) - STA. 174+92.52
END PAVEMENT TAPER, 8' RT.

(VBF) DENOTES LOCATION OF VEGETATED BIOFILTER

PAVEMENT REMOVED
QUANTITIES ARE INCLUDED IN REFERENCE
NUMBER 2-R FOR THE REMOVAL OF EXISTING
PAVEMENT, REGRADING TO ENSURE A
DRAINABLE SURFACE AND SEEDING AND
MULCHING OF THE AREA SHOWN.

PROPOSED PAVEMENT

LEGEND

PURPOSED	-----
EXISTING/REMAIN	-----
REMOVE/ABANDON	-----

ROCK CHANNEL PROTECTION,
TYPE C WITH FILTER
(156' x 12.5' x 1.5' / 27 = 108.33 CY)

2 SEEDING AND EROSION CONTROL
WITH TURF REINFORCING MAT, TYPE 1
(250' x 14.5' / 9 = 402.78 SY)

EROSION PROTECTION (VBF)
x 14.5' / 9 = 937.67 SY

4 ROCK CHANNEL PROTECTION,
TYPE C WITH FILTER
(56' x 9' x 1.5' / 27 = 28 CY)

STA 175+00, 26'
LT, BREC POLE,
ARM DETACH

STA 178+50, 31'
LT, BREC POLE,
ARM DETACH

STA 180+37, 68'
LT, BREC POLE,
ARM DETACH

STA 177+01, 5' RT
BREC POLE, ARM
DETACH

STA 171+80, 12'
LT, AEP POLE,
ARM DETACH

STA 173+74, 69'
RT, AEP POLE,
ARM DETACH

CALCULATED
SLIP
CHECKED
ALB

PLAN - S.R. 7
STA. 171+00 TO STA. 183+00

LAW-7-2.17

105
1247

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(LF) DESIGNATES LEACH FIELD

2 of 23

LEGEND

PURPOSED ———

EXISTING/REMAIN ———

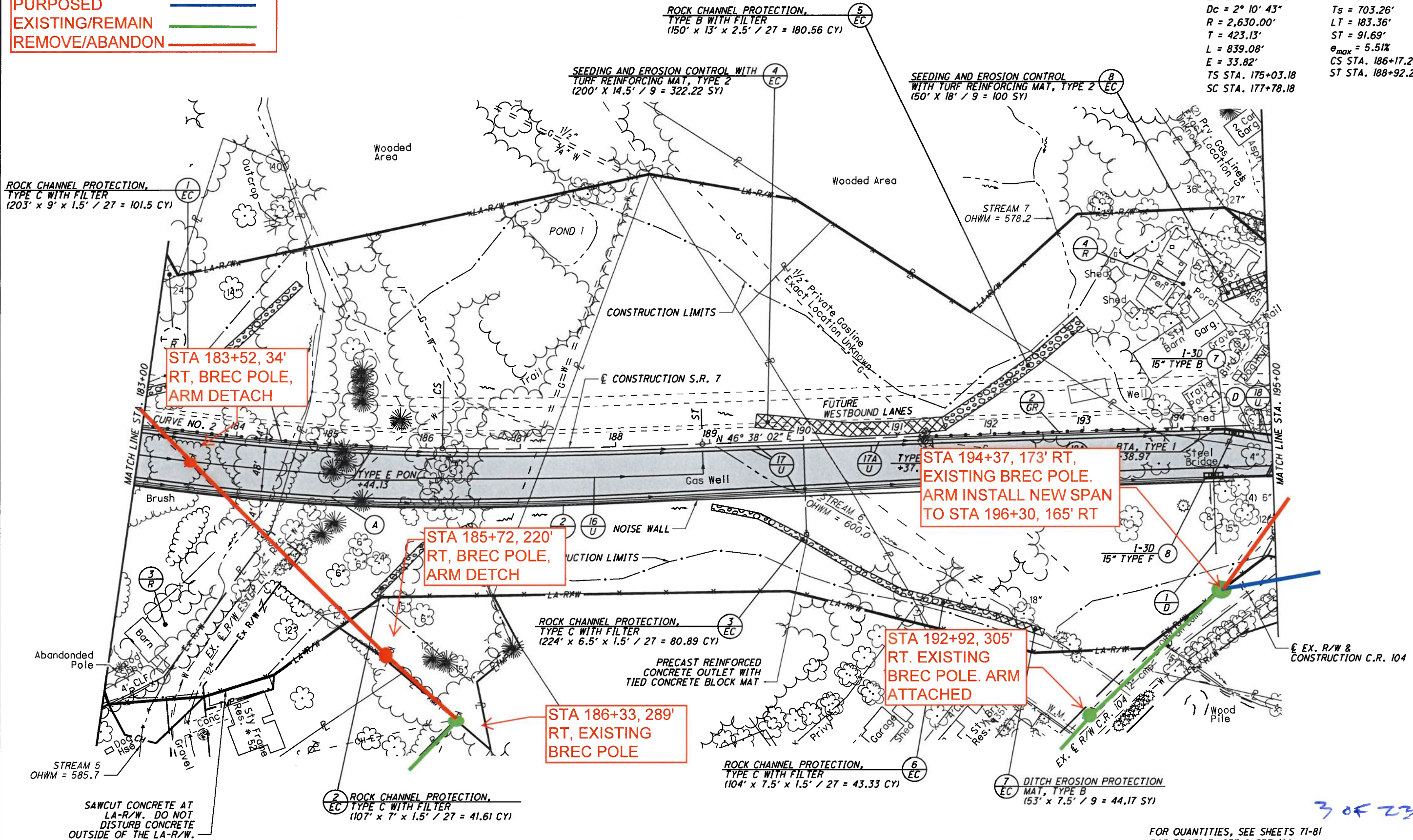
REMOVE/ABANDON ———

CURVE DATA
S.R. 7
CURVE NO. 2

P.I. STA. 182+06.44 $\theta_s = 2^\circ 59' 44''$
 $\Delta = 24^\circ 16' 14''$ (LT) $L_s = 275.00'$
 $D_c = 2^\circ 10' 43''$ $T_s = 703.26'$
 $R = 2,630.00'$ $LT = 183.36'$
 $T = 423.13'$ $ST = 91.69'$
 $L = 839.08'$ $e_{max} = 5.51\%$
 $E = 33.82'$ $CS STA. 186+17.26$
 $TS STA. 175+03.18$ $ST STA. 188+92.26$
 $SC STA. 177+78.18$

0 50 100
HORIZONTAL SCALE IN FEET

CALCULATED SLP CHECKED ALB



STA 183+52, 34'
RT, BREC POLE,
ARM DETACH

STA 185+72, 220'
RT, BREC POLE,
ARM DETACH

STA 194+37, 173' RT,
EXISTING BREC POLE.
ARM INSTALL NEW SPAN
TO STA 196+30, 165' RT

STA 192+92, 305'
RT. EXISTING
BREC POLE. ARM
ATTACHED

STA 186+33, 289'
RT, EXISTING
BREC POLE

- (A) - STA. 185+03.46 BEGIN PAVEMENT TAPER, 56' RT.
- (B) - STA. 191+63.46 BEGIN SHOULDER TAPER, 49' RT.
- (C) - STA. 192+23.46 END PAVEMENT TAPER, 44' RT. END SHOULDER TAPER, 54' RT.
- - PROPOSED PAVEMENT

FOR QUANTITIES, SEE SHEETS 71-81
 FOR PROFILE, SEE SHEET 108
 FOR DRIVE DETAILS, SEE SHEETS 630-638
 FOR STORM SEWER PROFILE, SEE SHEET 640
 FOR UNDERDRAIN TABLES, SEE SHEETS 674-678
 FOR TRAFFIC CONTROL PLAN, SEE SHEETS 713-733A
 FOR FENCE TABLES, SEE SHEETS 1039-1041

PLAN - S.R. 7
STA. 183+00 TO STA. 195+00

LAW-7-2.17

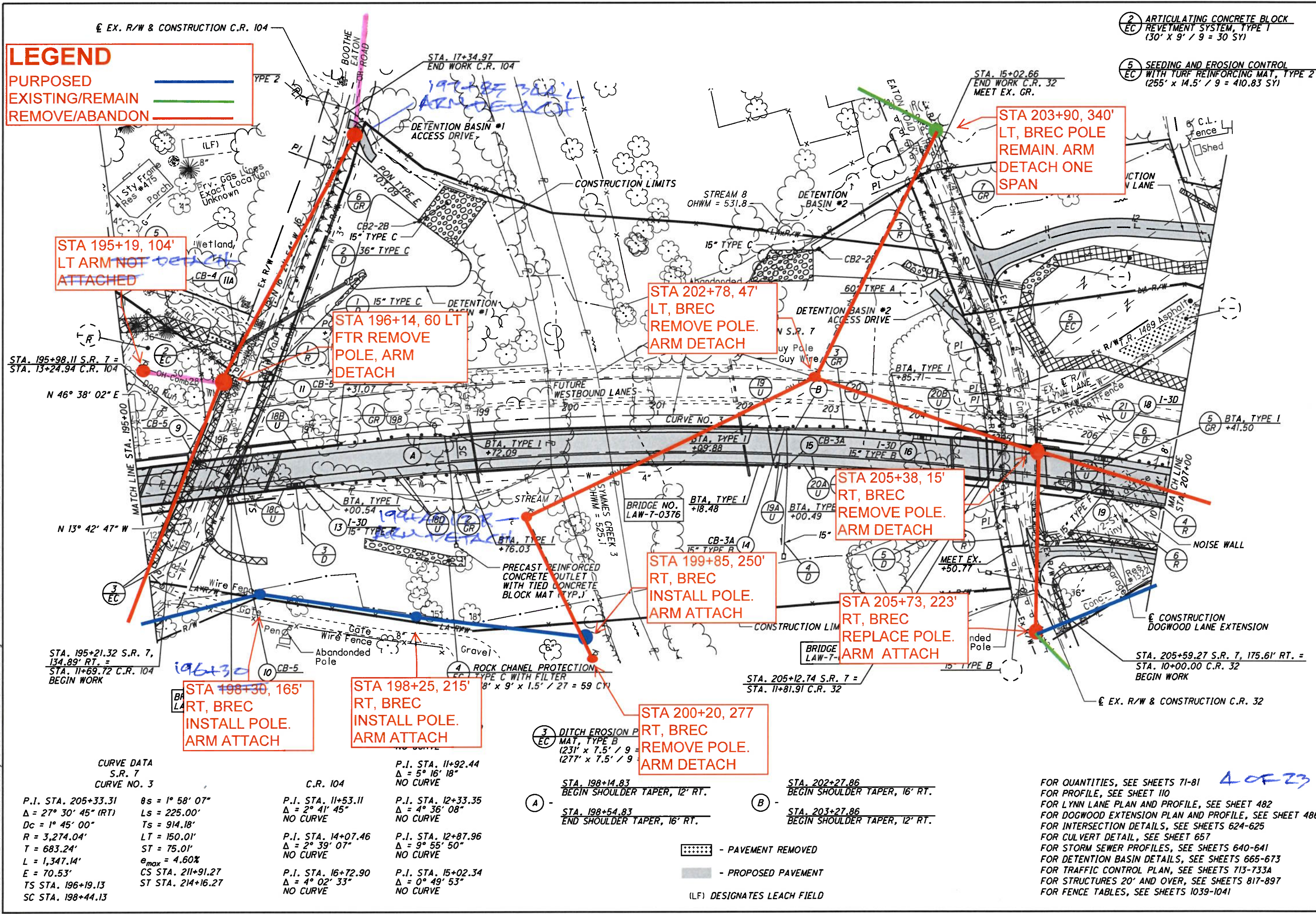
107
1247

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LEGEND
 PURPOSED ————
 EXISTING/REMAIN ————
 REMOVE/ABANDON ————

- 2 EC ARTICULATING CONCRETE BLOCK REVELMENT SYSTEM, TYPE 1 (30' x 9' / 9 = 30 SY)
- 5 EC SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT, TYPE 2 (255' x 14.5' / 9 = 410.83 SY)

PLAN - S.R. 7
 STA. 195+00 TO STA. 207+00
 LAW-7-2.17
 109
 1247



CURVE DATA
S.R. 7
CURVE NO. 3

P.I. STA. 205+33.31	θs = 1° 58' 07"
Δ = 27° 30' 45" (RT)	Ls = 225.00'
Dc = 1° 45' 00"	Ts = 914.18'
R = 3,274.04'	LT = 150.01'
T = 683.24'	ST = 75.01'
L = 1,347.14'	e _{max} = 4.60%
E = 70.53'	CS STA. 211+91.27
TS STA. 196+19.13	ST STA. 214+16.27
SC STA. 198+44.13	

C.R. 104

P.I. STA. 11+53.11	Δ = 2° 41' 45"	NO CURVE
P.I. STA. 14+07.46	Δ = 2° 39' 07"	NO CURVE
P.I. STA. 16+72.90	Δ = 4° 02' 33"	NO CURVE
P.I. STA. 11+92.44	Δ = 5° 16' 18"	NO CURVE
P.I. STA. 12+33.35	Δ = 4° 36' 08"	NO CURVE
P.I. STA. 12+87.96	Δ = 9° 55' 50"	NO CURVE
P.I. STA. 15+02.34	Δ = 0° 49' 53"	NO CURVE

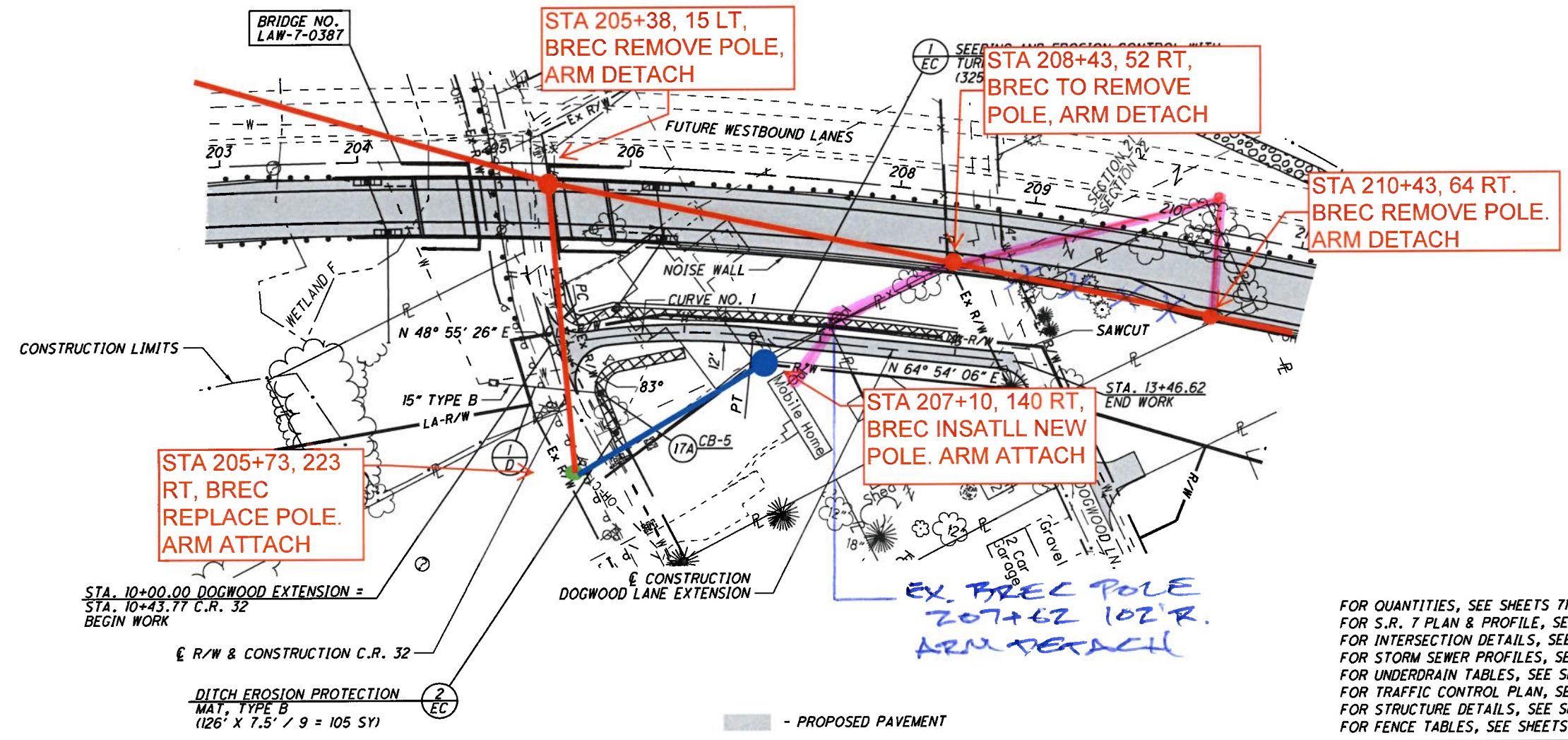
- 3 EC DITCH EROSION PROTECTION MAT, TYPE B (231' x 7.5' / 9 = 1277' x 7.5' / 9)
- A - STA. 198+14.83 BEGIN SHOULDER TAPER, 12' RT.
- B - STA. 202+27.86 BEGIN SHOULDER TAPER, 16' RT.
- STA. 198+54.83 END SHOULDER TAPER, 16' RT.
- STA. 203+27.86 BEGIN SHOULDER TAPER, 12' RT.

[Pattern] - PAVEMENT REMOVED
 [Pattern] - PROPOSED PAVEMENT
 (LF) DESIGNATES LEACH FIELD

FOR QUANTITIES, SEE SHEETS 71-81
 FOR PROFILE, SEE SHEET 110
 FOR LYNN LANE PLAN AND PROFILE, SEE SHEET 482
 FOR DOGWOOD EXTENSION PLAN AND PROFILE, SEE SHEET 486
 FOR INTERSECTION DETAILS, SEE SHEETS 624-625
 FOR CULVERT DETAIL, SEE SHEET 657
 FOR STORM SEWER PROFILES, SEE SHEETS 640-641
 FOR DETENTION BASIN DETAILS, SEE SHEETS 665-673
 FOR TRAFFIC CONTROL PLAN, SEE SHEETS 713-733A
 FOR STRUCTURES 20' AND OVER, SEE SHEETS 817-897
 FOR FENCE TABLES, SEE SHEETS 1039-1041

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CURVE DATA
CURVE NO. 1
P.I. Sta. 10+81.45
 $\Delta = 15^\circ 58' 40''$ (RT)
 $D_c = 11^\circ 27' 33''$
 $R = 500.00'$
 $T = 70.17'$
 $L = 139.43'$
 $E = 4.90'$
 $e_{max} = N/C$
PC STA. 10+11.28
PT STA. 11+50.72



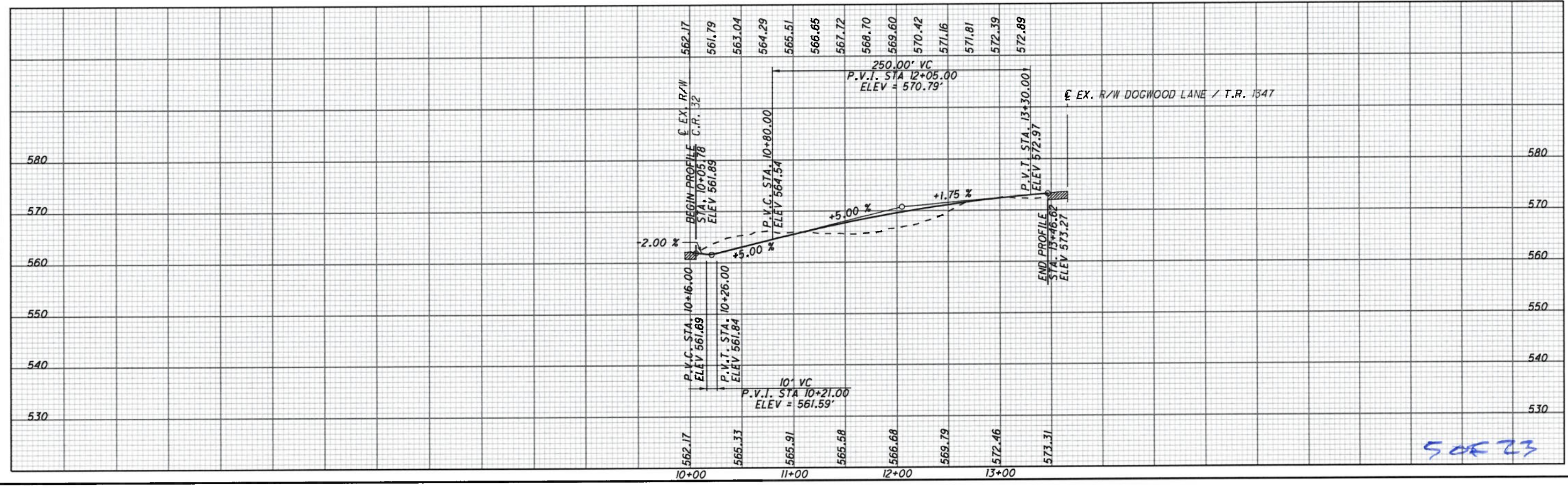
STA. 10+00.00 DOGWOOD EXTENSION =
STA. 10+43.77 C.R. 32
BEGIN WORK

EX R/W & CONSTRUCTION C.R. 32

DITCH EROSION PROTECTION
MAT, TYPE B
(126' X 7.5' / 9 = 105 SY)

PROPOSED PAVEMENT

FOR QUANTITIES, SEE SHEETS 71-81
FOR S.R. 7 PLAN & PROFILE, SEE SHEETS 109-113
FOR INTERSECTION DETAILS, SEE SHEET 625
FOR STORM SEWER PROFILES, SEE SHEET 643
FOR UNDERDRAIN TABLES, SEE SHEETS 674-678
FOR TRAFFIC CONTROL PLAN, SEE SHEETS 713-733A
FOR STRUCTURE DETAILS, SEE SHEETS 870-897
FOR FENCE TABLES, SEE SHEETS 1039-1041



50823

CURVE DATA
S.R. 7
CURVE NO. 3

P.I. STA. 205+33.31 $\theta_s = 1^\circ 58' 07''$
 $\Delta = 27^\circ 30' 45''$ (RT) $L_s = 225.00'$
 $D_c = 1^\circ 45' 00''$ $T_s = 914.18'$
 $R = 3,274.04'$ $LT = 150.01'$
 $T = 683.24'$ $ST = 75.01'$
 $L = 1,347.14'$ $\theta_{max} = 4.60\%$
 $E = 70.53'$ CS STA. 211+91.27
 TS STA. 196+19.13 ST STA. 214+16.27
 SC STA. 198+44.13

LEGEND

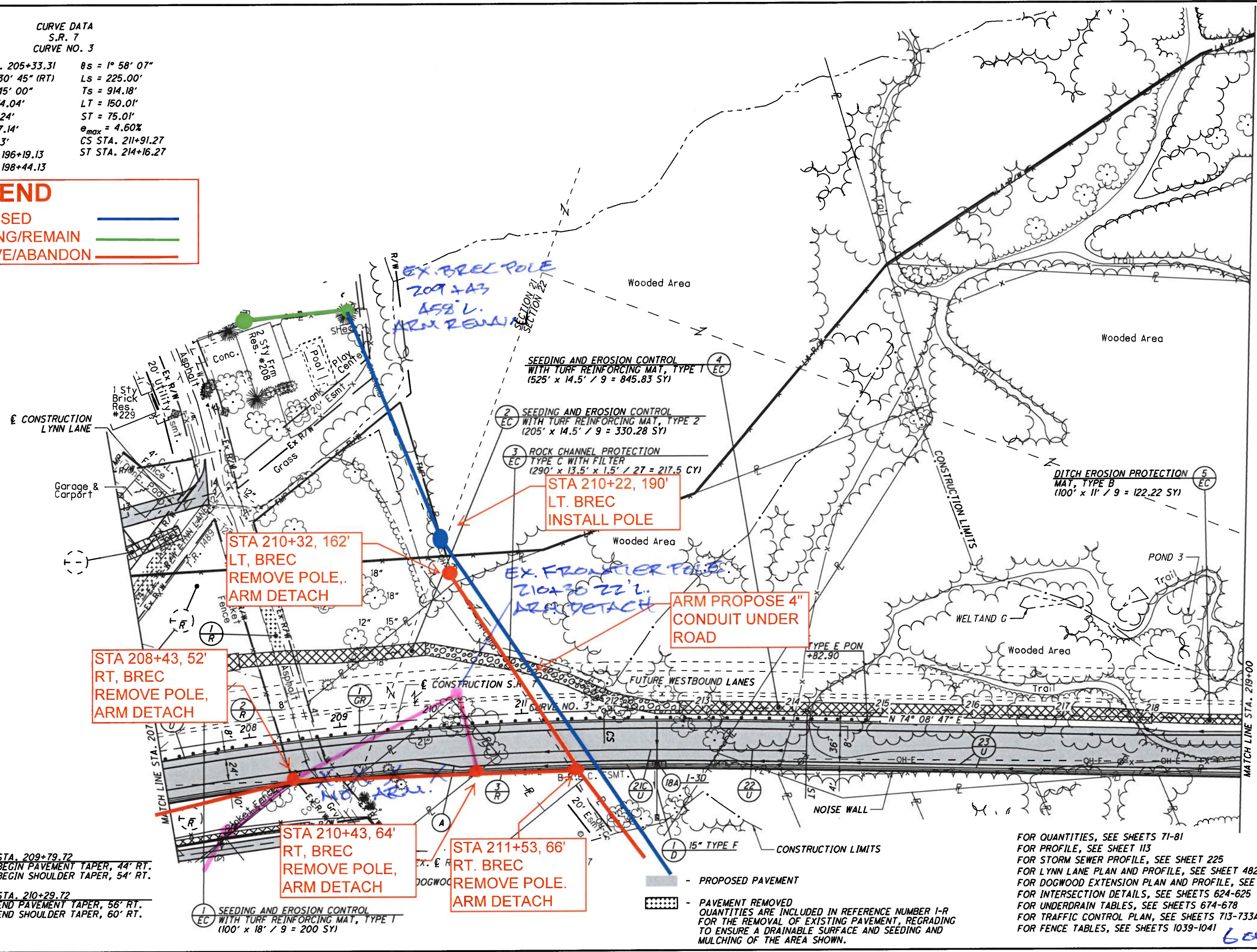
PURPOSED ——
 EXISTING/REMAIN ——
 REMOVE/ABANDON ——



PLAN - S.R. 7
STA. 207+00 TO STA. 219+00 (NORTH)

LAW-7-2.17

111
1247



STA 208+43, 52'
RT, BREX
REMOVE POLE,
ARM DETACH

STA 210+32, 162'
LT, BREX
REMOVE POLE,
ARM DETACH

STA 210+43, 64'
RT, BREX
REMOVE POLE,
ARM DETACH

STA 211+53, 66'
RT, BREX
REMOVE POLE,
ARM DETACH

STA 210+22, 190'
LT, BREX
INSTALL POLE

ARM PROPOSE 4"
CONDUIT UNDER
ROAD

STA. 209+79.72
BEGIN PAVEMENT TAPER, 44' RT.
BEGIN SHOULDER TAPER, 54' RT.
STA. 210+29.72
END PAVEMENT TAPER, 56' RT.
END SHOULDER TAPER, 60' RT.

1 SEEDING AND EROSION CONTROL
WITH TURF REINFORCING MAT, TYPE 1
(100' x 18' / 9 = 200 SY)

4 SEEDING AND EROSION CONTROL
WITH TURF REINFORCING MAT, TYPE 1
(1525' x 14.5' / 9 = 845.83 SY)

2 SEEDING AND EROSION CONTROL
WITH TURF REINFORCING MAT, TYPE 2
(205' x 14.5' / 9 = 330.28 SY)

3 ROCK CHANNEL PROTECTION
TYPE C WITH FILTER
(290' x 13.5' x 1.5' / 27 = 217.5 CY)

5 DITCH EROSION PROTECTION
MAT, TYPE B
(100' x 11' / 9 = 122.22 SY)

- PROPOSED PAVEMENT
- PAVEMENT REMOVED
QUANTITIES ARE INCLUDED IN REFERENCE NUMBER 1-R
FOR THE REMOVAL OF EXISTING PAVEMENT, REGRADING
TO ENSURE A DRAINABLE SURFACE AND SEEDING AND
MULCHING OF THE AREA SHOWN.

FOR QUANTITIES, SEE SHEETS 71-81
FOR PROFILE, SEE SHEET 113
FOR STORM SEWER PROFILE, SEE SHEET 225
FOR LYNN LANE PLAN AND PROFILE, SEE SHEET 482
FOR DOGWOOD EXTENSION PLAN AND PROFILE, SEE SHEET 486
FOR INTERSECTION DETAILS, SEE SHEETS 624-625
FOR UNDERDRAIN TABLES, SEE SHEETS 674-678
FOR TRAFFIC CONTROL PLAN, SEE SHEETS 713-733A
FOR FENCE TABLES, SEE SHEETS 1039-1041

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CURVE DATA
S.R. 7
CURVE NO. 3

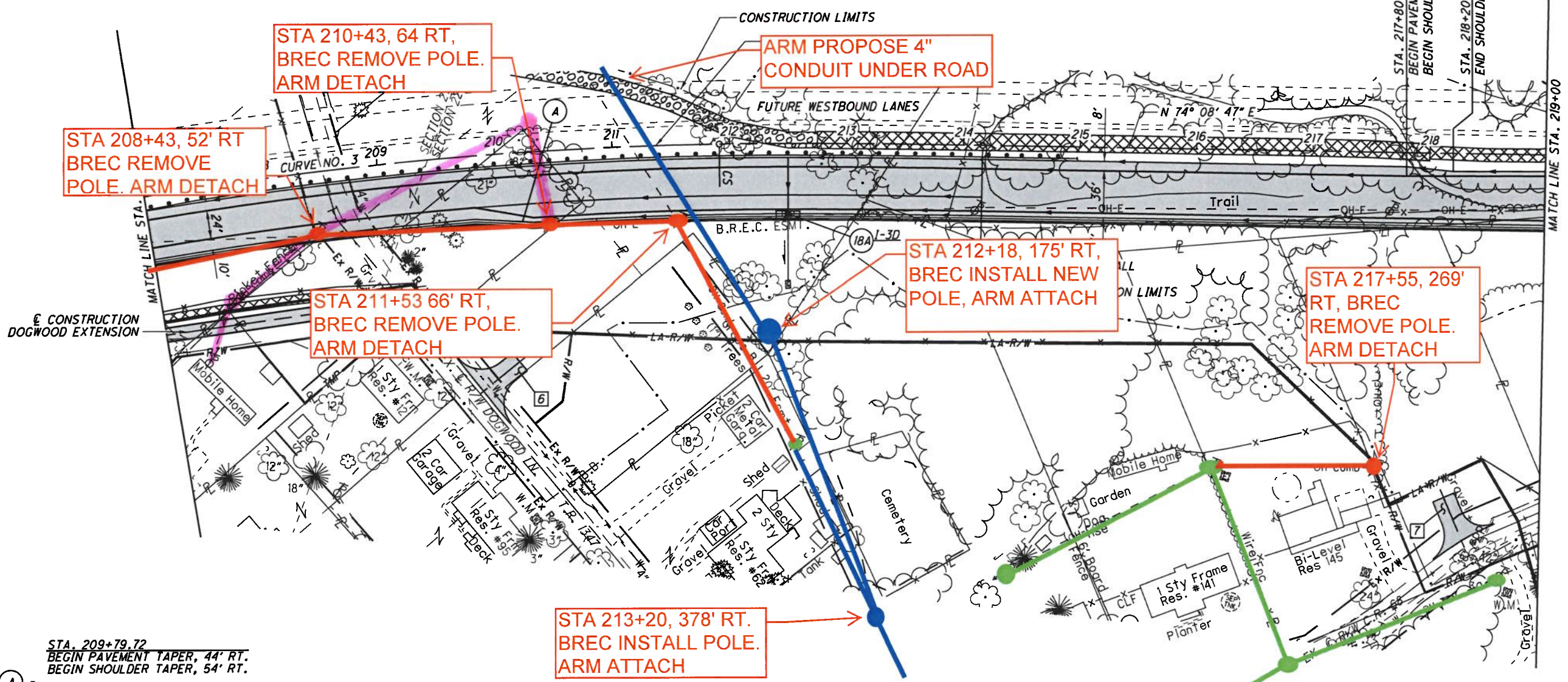
P.I. STA. 205+33.31 $\theta_s = 1^\circ 58' 07''$
 $\Delta = 27^\circ 30' 45''$ (RT) $L_s = 225.00'$
 $D_c = 1^\circ 45' 00''$ $T_s = 914.18'$
 $R = 3,274.04'$ $LT = 150.01'$
 $T = 683.24'$ $ST = 75.01'$
 $L = 1,347.14'$ $e_{max} = 4.60\%$
 $E = 70.53'$ CS STA. 211+91.27
 TS STA. 196+19.13 ST STA. 214+16.27
 SC STA. 198+44.13

CALCULATED SLP CHECKED ALB

50
25
100
HORIZONTAL SCALE IN FEET

PLAN - S.R. 7
STA. 207+00 TO STA. 219+00 (SOUTH)

LAW-7-2.17



STA. 209+79.72
BEGIN PAVEMENT TAPER, 44' RT.
BEGIN SHOULDER TAPER, 54' RT.

STA. 210+29.72
END PAVEMENT TAPER, 56' RT.
END SHOULDER TAPER, 60' RT.

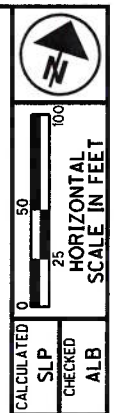
FOR QUANTITIES, SEE SHEETS 71-81
 FOR PROFILE, SEE SHEET 113
 FOR STORM SEWER PROFILE, SEE SHEET 225
 FOR LYNN LANE PLAN AND PROFILE, SEE SHEET 482
 FOR DOGWOOD EXTENSION PLAN AND PROFILE, SEE SHEET 486
 FOR INTERSECTION DETAILS, SEE SHEETS 624-625
 FOR UNDERDRAIN TABLES, SEE SHEETS 674-678
 FOR TRAFFIC CONTROL PLAN, SEE SHEETS 713-733A
 FOR FENCE TABLES, SEE SHEETS 1039-1041

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CURVE DATA
S.R. 7
CURVE NO. 4

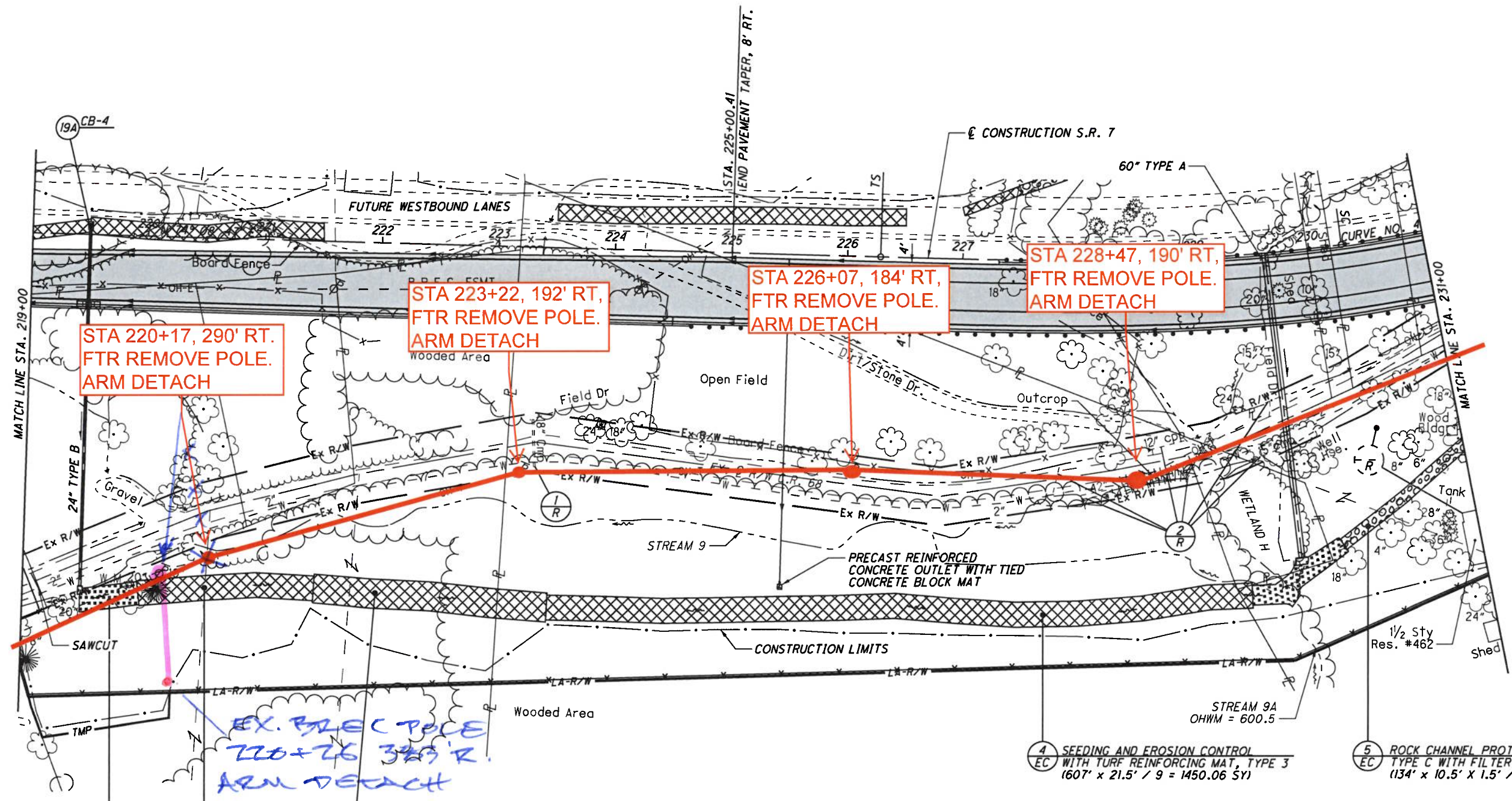
P.I. STA. 232+01.52 $\theta_s = 9^\circ 30' 00''$
 $\Delta = 34^\circ 12' 59''$ (LT) $L_s = 400.00'$
 $D_c = 4^\circ 45' 00''$ $T_s = 572.79'$
 $R = 1,206.23'$ $LT = 267.05'$
 $T = 161.12'$ $ST = 133.68'$
 $L = 320.35'$ $e_{max} = 8.00\%$
 $E = 10.71'$ CS STA. 233+49.08
 TS STA. 226+28.73 ST STA. 237+49.08
 SC STA. 230+28.73



CALCULATED SLP CHECKED ALB
 PLAN - S.R. 7
 STA. 219+00 TO STA. 231+00 (SOUTH)

LAW-7-2.17

115
1247



ARTICULATING CONCRETE BLOCK
REVESTMENT SYSTEM, TYPE 1
(150' x 20' / 9 = 111.11 SY)

SEEDING AND EROSION CONTROL
WITH TURF REINFORCING MAT, TYPE 3
(151' x 21.5' / 9 = 360.72 SY)

SEEDING AND EROSION CONTROL
WITH TURF REINFORCING MAT, TYPE 1
(200' x 25' / 9 = 555.56 SY)

SEEDING AND EROSION CONTROL
WITH TURF REINFORCING MAT, TYPE 3
(1607' x 21.5' / 9 = 1450.06 SY)

ROCK CHANNEL PROTECTION,
TYPE C WITH FILTER
(134' x 10.5' x 1.5' / 27 = 78.17 CY)

- PROPOSED PAVEMENT

FOR QUANTITIES, SEE SHEETS 71-81
 FOR PROFILE, SEE SHEET 116
 FOR STORM SEWER PROFILE, SEE SHEET 231
 FOR CULVERT DETAILS, SEE SHEETS 658
 FOR UNDERDRAIN TABLES, SEE SHEETS 674-678
 FOR TRAFFIC CONTROL PLAN, SEE SHEETS 713-733A
 FOR FENCE TABLES, SEE SHEETS 1039-1041

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CURVE DATA
S.R. 7
CURVE NO. 4

P.I. STA. 232+01.52 $\theta_s = 9^\circ 30' 00''$
 $\Delta = 34^\circ 12' 59''$ (LT) $L_s = 400.00'$
 $D_c = 4^\circ 45' 00''$ $T_s = 572.79'$
 $R = 1,206.23'$ $LT = 267.05'$
 $T = 161.12'$ $ST = 133.68'$
 $L = 320.35'$ $e_{max} = 8.00\%$
 $E = 10.71'$ CS STA. 233+49.08
 TS STA. 226+28.73 ST STA. 237+49.08
 SC STA. 230+28.73

ROCK CHANNEL PROTECTION,
TYPE C WITH FILTER
(153' x 6' x 1.5' / 27 = 17.67 CY)

SEEDING AND EROSION CONTROL
WITH TURF REINFORCING MAT, TYPE 1
(196' x 11' / 9 = 239.56 SY)

ROCK CHANNEL PROTECTION
TYPE C WITH FILTER
(157' x 11' x 1.5' / 27 = 34.83 CY)

SEEDING AND EROSION CONTROL
WITH TURF REINFORCING MAT, TYPE 2
(355' x 14.5' / 9 = 571.94 SY)

STA 231+83, 60' RT,
FTR REMOVE POLE.
ARM DETACH

STA 233+62, 33' RT,
FTR REMOVE POLE.
ARM DETACH

STA 235+40, 30' RT,
FTR REMOVE POLE.
ARM DETACH

STA 238+16, 17' RT,
FTR REMOVE POLE.
AMR DETACH

STA 240+67, 8' LT,
FTR REMOVE POLE.
ARM DETACH

STA 242+90, 4' LT,
FTR REMOVE POLE.
ARM DETACH

ROCK CHANNEL PROTECTION,
TYPE C WITH FILTER
(243' x 10.5' x 1.5' / 27 = 141.75 CY)

DITCH EROSION PROTECTION
MAT, TYPE B
(157' x 11' / 9 = 69.67 SY)

DITCH EROSION PROTECTION
MAT, TYPE B
(153' x 11' / 9 = 187 SY)

ROCK CHANNEL PROTECTION,
TYPE C WITH FILTER
(152' x 12' x 1.5' / 27 = 101.33 CY)

ROCK CHANNEL PROTECTION,
TYPE C WITH FILTER

DITCH TYPICAL SECTION

CONTRACTOR TO FILL AND REGRADE THE EXISTING CHANNEL TO TIE INTO THE PROPOSED ROADSIDE DITCH USING THE TYPICAL SECTION ABOVE. THE FOLLOWING QUANTITIES ARE INCLUDED IN REFERENCE NUMBER 8-EC TO COMPLETE THIS WORK.

ITEM 203 - EXCAVATION - - - - - 5 CY
 ITEM 203 - EMBANKMENT - - - - - 1932 CY
 ITEM 601 - ROCK CHANNEL PROTECTION, TYPE C WITH FILTER - - - - - 203 CY
 ITEM 659 - SEEDING AND MULCHING - - - - - 1100 SY

(A) - STA. 235+13.20
BEGIN PAVEMENT TAPER, 56' RT.

(C) - STA. 242+33.20
END PAVEMENT TAPER, 44' RT.
END SHOULDER TAPER, 54' RT.

(B) - STA. 241+73.20
BEGIN SHOULDER TAPER, 49' RT.

(D) - PRECAST REINFORCED OUTLET WITH
TIED CONCRETE BLOCK MAT

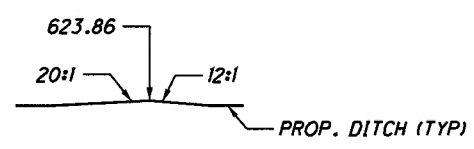
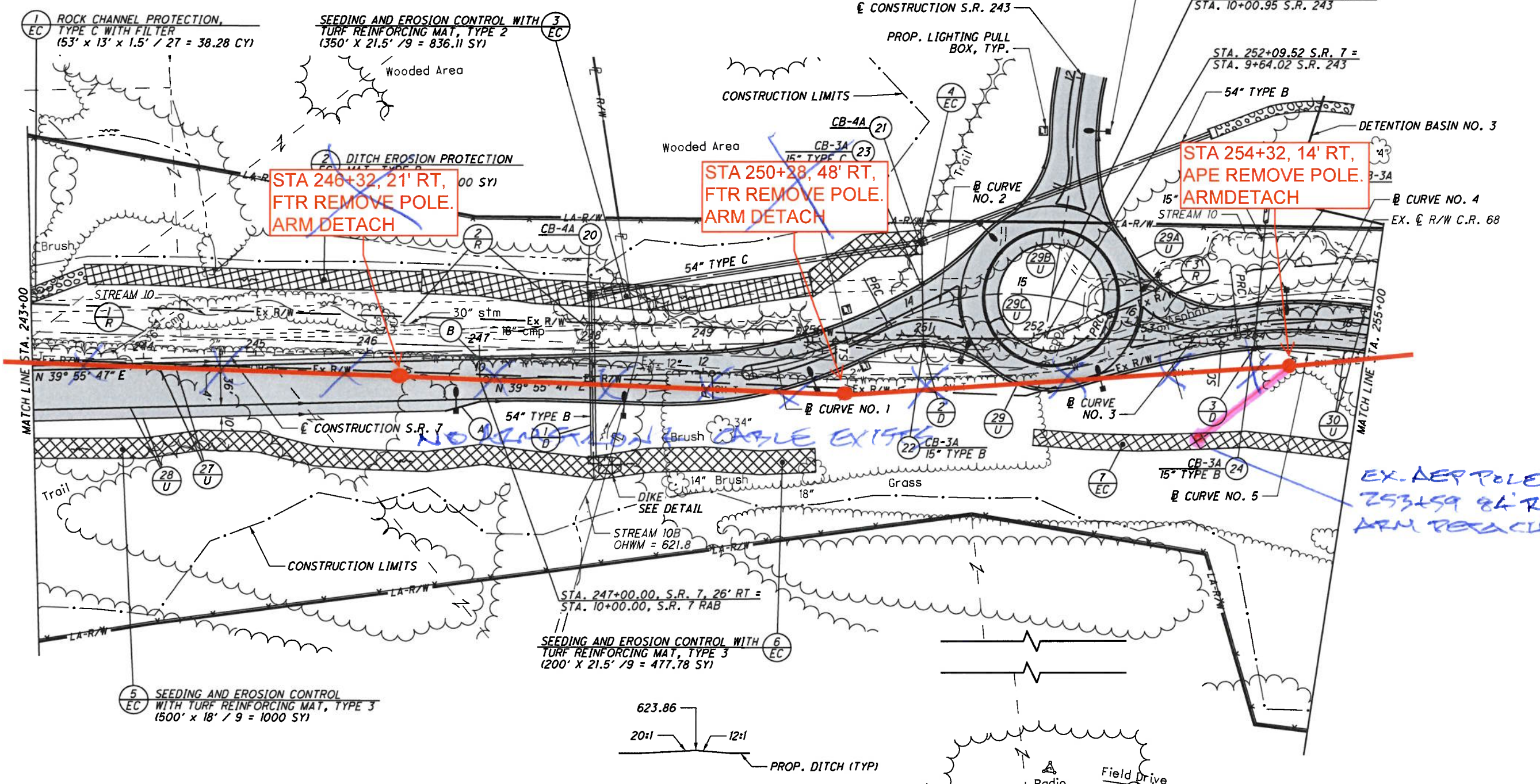
(LF) DESIGNATES
LEACH FIELD

█ - PROPOSED PAVEMENT



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CURVE DATA S.R. 7 CURVE NO. 5	CURVE DATA S.R. 7 RAB CURVE NO. 1	CURVE DATA S.R. 7 RAB CURVE NO. 2	CURVE DATA S.R. 7 RAB CURVE NO. 3	CURVE DATA S.R. 7 RAB CURVE NO. 4
P.I. STA. 261+89.75	P.I. Sta. 12+93.43	P.I. Sta. 14+87.13	P.I. Sta. 16+43.83	P.I. Sta. 18+27.99
$\Delta = 58^\circ 46' 06''$ (RT)	$\Delta = 27^\circ 26' 21''$ (LT)	$\Delta = 52^\circ 43' 55''$ (RT)	$\Delta = 30^\circ 24' 24''$ (LT)	$\Delta = 31^\circ 15' 43''$ (RT)
$Dc = 3^\circ 15' 00''$	$Dc = 16^\circ 22' 13''$	$Dc = 25^\circ 27' 53''$	$Dc = 25^\circ 27' 53''$	$Dc = 12^\circ 43' 57''$
$R = 1,762.95'$	$R = 350.00'$	$R = 225.00'$	$R = 225.00'$	$R = 450.00'$
$T = 773.76'$	$T = 85.45'$	$T = 111.52'$	$T = 61.15'$	$T = 125.90'$
$L = 1,458.26'$	$L = 167.62'$	$L = 207.08'$	$L = 119.41'$	$L = 245.53'$
$e_{max} = 7.10\%$	$E = 10.28'$	$E = 26.12'$	$E = 8.16'$	$E = 17.28'$
CS STA. 268+28.71	PC Sta. 12+07.99	PRC Sta. 13+75.60	PRC Sta. 15+82.68	PT Sta. 17+02.09
TS STA. 250+20.45	ST STA. 271+78.71	PRC Sta. 13+75.60	PRC Sta. 15+82.68	PT Sta. 19+47.62
SC STA. 253+70.45				



DIKE DETAIL
 EMBANKMENT INCLUDED IN THE COST OF ITEM 611 - 54' CONDUIT, TYPE B
 - PROPOSED PAVEMENT
 * USE TYPE 6 CURB TO TAPER SHOULDER. TAPER CURB HEIGHT FROM 0" TO 6" IN 10'.

- (A) - STA. 246+68.00
BEGIN SHOULDER TAPER, 54' RT.
STA. 247+00.00
END SHOULDER TAPER, 58' RT.
- (B) - STA. 246+92.00
BEGIN SHOULDER TAPER, 4' LT.
STA. 247+00.00
END SHOULDER TAPER, 6' LT.
- (4) EC - DITCH EROSION PROTECTION MAT, TYPE B (100' X 21.5' / 9 = 238.89 SY)
- (7) EC - SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT, TYPE 1 (288' X 14.5' / 9 = 464 SY)

100% 23
 FOR QUANTITIES, SEE SHEETS 71-81
 FOR PROFILE, SEE SHEETS 120-121
 FOR S.R. 243 PLAN AND PROFILE, SEE SHEETS 490-491
 FOR PAVEMENT DETAILS, SEE SHEETS 607-609
 FOR STORM SEWER PROFILES, SEE SHEETS 257, 259 & 642
 FOR UNDERDRAIN TABLES, SEE SHEETS 674-678
 FOR TRAFFIC CONTROL PLAN, SEE SHEETS 713-733A
 FOR FENCE TABLES, SEE SHEETS 1039-1041

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CURVE DATA
S.R. 7
CURVE NO. 5

P.I. STA. 261+89.75 $\theta_s = 5^\circ 41' 15"$
 $\Delta = 58^\circ 46' 06" (RT)$ $L_s = 350.00'$
 $D_c = 3^\circ 15' 00"$ $T_s = 1,169.30'$
 $R = 1,762.95'$ $LT = 233.45'$
 $T = 773.76'$ $ST = 116.78'$
 $L = 1,458.26'$ $e = 7.10\%$

STA 257+20, 690' LT,
AEP INSTALL NEW
POLE. ARM TO ATTACH

STA 19+56, 172'
RT, AEP
REPLACE POLE.
ARM TO ATTACH

STA 258+41, 712' LT, AEP
INSTALL NEW POLE.
ARM TO ATTACH

STA 259+16, 557' LT, AEP
INSTALL NEW POLE.
ARM TO ATTACH

STA 260+10, 393' LT, AEP
INSTALL NEW POLE.
ARM TO ATTACH

STA 261+2, 222 LT, AEP
INSTALL NEW POLE,
ARM TO ATTACH

STA 255+99, 691 LT,
AEP INSTALL NEW
POLE. ARM TO ATTACH

ARM PURPOSE
AERIAL FIBER
CABLE ON
POWER POLE

STA 262+28, 10' LT,
AEP REMOVE POLE.
ARM DETACH

STA 264+84, 7' LT,
AEP REMOVE POLE,
ARM DETACH

STA 255+8, 257' LT,
FTR REMOVE POLE.
ARM DETACH

STA 260+48, 17 LT,
AEP REMOVE POLE.
ARM DETACH

STA 259+92, 56' LT,
AEP REMOVE POLE,
ARM DETACH

STA 264+12, 2' LT,
AEP REMOVE POLE.
ARM DETACH

STA 258+85, 41' LT,
AEP REMOVE POLE.
ARM DETACH

STA 256+31, 32' LT,
FTR REMOVE POLE.
ARM DETACH

CURVE DATA
S.R. 7 RAB
CURVE NO. 4

P.I. Sta. 18+27.99
 $\Delta = 31^\circ 15' 43" (RT)$
 $D_c = 12^\circ 43' 57"$
 $R = 450.00'$
 $T = 125.90'$
 $L = 245.53'$
 $E = 17.28'$
 PRC Sta. 17+02.09
 PT Sta. 19+47.62

FOR QUANTITIES, SEE SHEETS 71-81
 FOR PROFILE, SEE SHEET 124
 FOR C.R. 69 PLAN AND PROFILE, SEE SHEETS 502-507
 FOR PAVEMENT DETAIL, SEE SHEET 609
 FOR UNDERDRAIN TABLES, SEE SHEETS 674-678
 FOR TRAFFIC CONTROL PLAN, SEE SHEETS 713-733A
 FOR FENCE TABLES, SEE SHEETS 1039-1041

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STA 256+92, 56' LT,
AEP REMOVE POLE.
ARM DETACH

STA 258+85, 41' LT,
AEP REMOVE POLE.
ARM DETACH

STA 260+48, 17' LT,
AEP REMOVE POLE.
ARM DETACH

STA 262+28, 10' LT,
AEP REMOVE POLE.
ARM DETACH

STA 262+38, 32' RT,
AEP REMOVE POLE.
ARM DETACH

STA 265+84, 7' LT,
AEP REMOVE POLE.
ARM DETACH

STA 256+31, 32' LT,
FTR REMOVE POLE.
ARM DETACH

STA 266+99, 59' RT,
AEP REMOVE POLE.
ARM DETACH

ARM PURPOSE
AERIAL FIBER
CABLE ON
POWER POLE

STA 262+35, 170' RT,
AEP INSTALL NEW
POLE. ARM ATTACH

STA 263+80, 175' RT,
AEP INSTALL NEW
POLE. ARM ATTACH

STA 265+26, 169' RT,
AEP INSTALL NEW
POLE. ARM ATTACH

STA 266+69, 153' RT,
AEP INSTALL NEW
POLE. ARM ATTACH

SEEDING AND EROSION CONTROL
WITH TURF REINFORCING MAT, TYPE 1
(382' x 14.5' / 9 = 615.44 SY)

SEEDING AND EROSION CONTROL
WITH TURF REINFORCING MAT, TYPE 2
(1800' x 18' / 9 = 1600 SY)

* (A) - STA. 257+84.79
BEGIN SHOULDER TAPER, 4.87' RT.
STA. 258+09.36
END SHOULDER TAPER, 1.71' RT.

* (B) - STA. 257+81.31
BEGIN SHOULDER TAPER, 32.70' RT.
STA. 258+12.87
END SHOULDER TAPER, 44.33' RT.

* USE TYPE 6 CURB TO TAPER
SHOULDER. TAPER CURB HEIGHT
FROM 0" TO 6" IN 10'.

- PROPOSED PAVEMENT

FOR QUANTITIES, SEE SHEETS 71-81
FOR PROFILE, SEE SHEET 124
FOR PAVEMENT DETAILS, SEE SHEETS 609
FOR UNDERDRAIN TABLES, SEE SHEETS 674-678
FOR TRAFFIC CONTROL PLAN, SEE SHEETS 713-733A
FOR FENCE TABLES, SEE SHEETS 1039-1041

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CALCULATED
SLP
CHECKED
ALB

0
25
50
100
HORIZONTAL
SCALE IN FEET

PLAN - S.R. 7
STA. 267+00 TO STA. 279+00

LAW-7-2.17

125
1247

CURVE DATA
S.R. 7
CURVE NO. 5

P.I. STA. 261+89.75
 $\Delta = 58^\circ 46' 06''$ (RT)
 $Dc = 3^\circ 15' 00''$
 $R = 1,762.95'$
 $T = 773.76'$
 $L = 1,458.26'$
 $E = 162.33'$
TS STA. 250+20.45
SC STA. 253+70.45

$\theta s = 5^\circ 41' 15''$
 $Ls = 350.00'$
 $Ts = 1,169.30'$
 $LT = 233.45'$
 $ST = 116.78'$
 $e_{max} = 7.10\%$
CS STA. 268+28.71
ST STA. 271+78.71

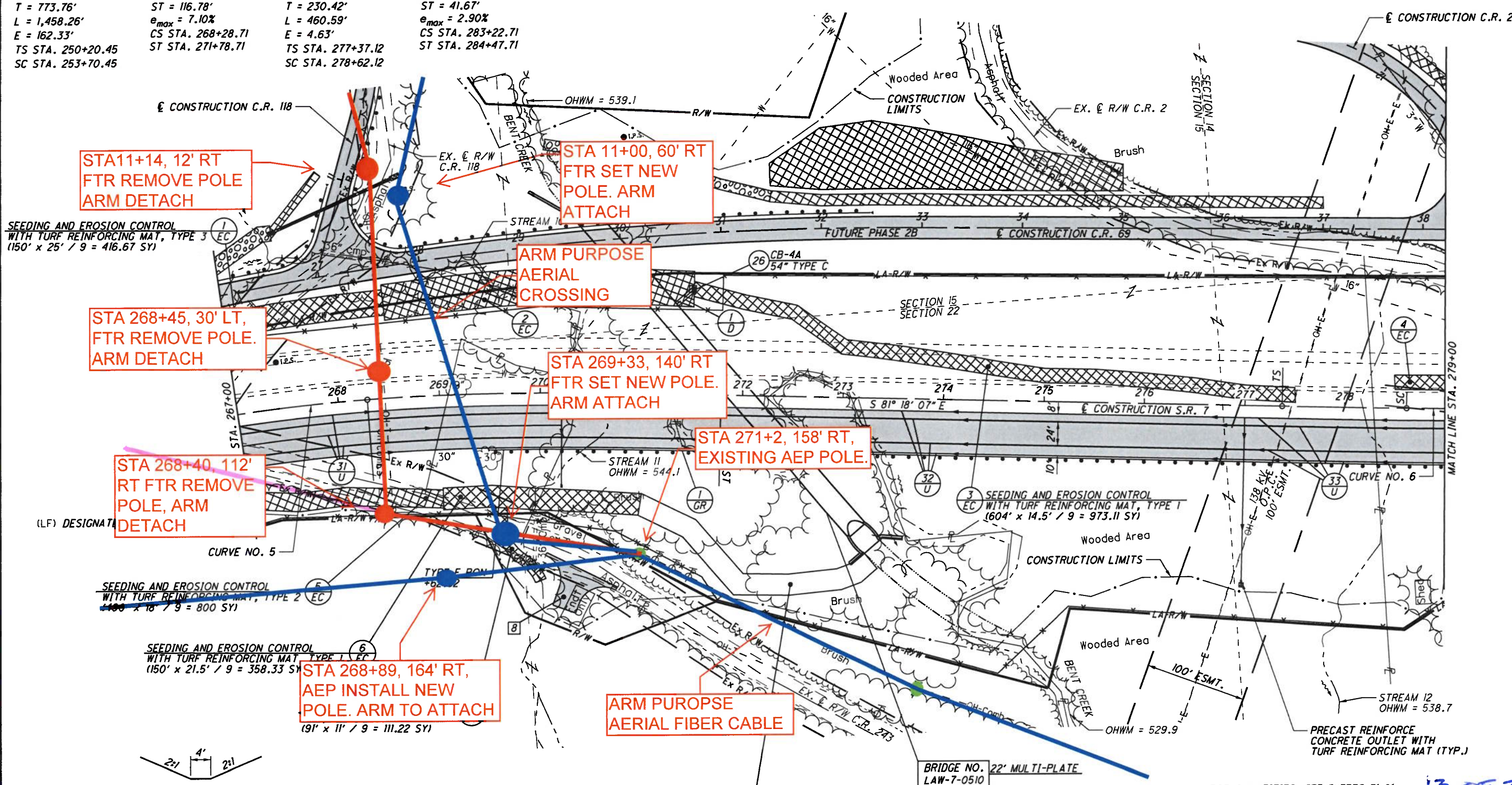
CURVE DATA
S.R. 7
CURVE NO. 6

P.I. STA. 280+92.68
 $\Delta = 5^\circ 51' 21''$ (LT)
 $Dc = 1^\circ 00' 00''$
 $R = 5,729.58'$
 $T = 230.42'$
 $L = 460.59'$
 $E = 4.63'$
TS STA. 277+37.12
SC STA. 278+62.12

$\theta s = 0^\circ 37' 30''$
 $Ls = 125.00'$
 $Ts = 355.56'$
 $LT = 83.33'$
 $ST = 41.67'$
 $e_{max} = 2.90\%$
CS STA. 283+22.71
ST STA. 284+47.71

2 DITCH EROSION PROTECTION
EC MAT, TYPE B
(300' x 35' / 9 = 1166.67 SY)

4 DITCH EROSION PROTECTION
EC MAT, TYPE B
(150' x 14.5' / 9 = 80.56 SY)



DITCH TYPICAL SECTION

CONTRACTOR TO FILL AND REGRADE THE EXISTING CHANNEL TO TIE INTO THE PROPOSED ROADSIDE DITCH USING THE TYPICAL SECTION ABOVE. THE FOLLOWING QUANTITIES ARE INCLUDED IN REFERENCE NUMBER 7-EC TO COMPLETE THIS WORK.

ITEM 203 - EXCAVATION	262 CY
ITEM 659 - SEEDING AND MULCHING, CLASS 3C	242 SY

8 ROCK CHANNEL PROTECTION,
EC TYPE B WITH FILTER
(267' x 2.5' / 27 = 519.17 CY)

- PROPOSED PAVEMENT

FOR QUANTITIES, SEE SHEETS 71-81
FOR PROFILE, SEE SHEET 126
FOR C.R. 69 PLAN AND PROFILE, SEE SHEETS 502-507
FOR C.R. 118 PLAN AND PROFILE, SEE SHEET 547
FOR C.R. 2 PLAN AND PROFILE, SEE SHEET 553
FOR DRIVE DETAILS, SEE SHEETS 630-638
FOR STORM SEWER PROFILES, SEE SHEET 642
FOR UNDERDRAIN TABLES, SEE SHEETS 674-678
FOR TRAFFIC CONTROL PLAN, SEE SHEETS 713-733A
FOR STRUCTURES 20' AND OVER, SEE SHEETS 898-906
FOR FENCE TABLES, SEE SHEETS 1039-1041

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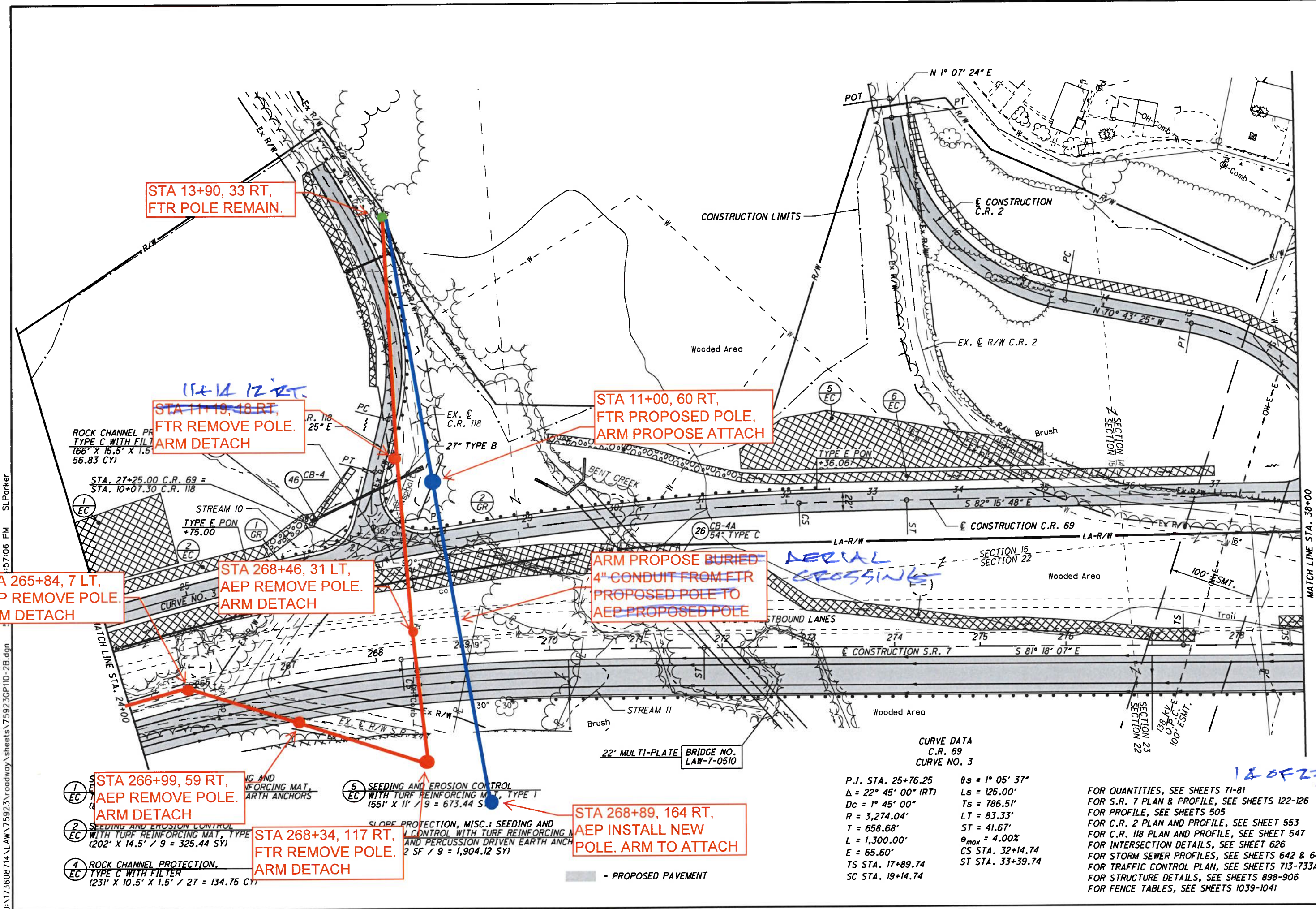
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CALCULATED SLP
CHECKED ALB

PLAN - C.R. 69
STA. 24+00.00 TO STA. 38+00.00

LAW-7-2.17
504
1247



STA 13+90, 33 RT,
FTR POLE REMAIN.

11+12 12 RT
STA 11+19, 18 RT,
FTR REMOVE POLE.
ARM DETACH

STA 11+00, 60 RT,
FTR PROPOSED POLE,
ARM PROPOSE ATTACH

STA 265+84, 7 LT,
AEP REMOVE POLE.
ARM DETACH

STA 268+46, 31 LT,
AEP REMOVE POLE.
ARM DETACH

ARM PROPOSE BURIED
4" CONDUIT FROM FTR
PROPOSED POLE TO
AEP PROPOSED POLE

STA 266+99, 59 RT,
AEP REMOVE POLE.
ARM DETACH

STA 268+34, 117 RT,
FTR REMOVE POLE.
ARM DETACH

STA 268+89, 164 RT,
AEP INSTALL NEW
POLE. ARM TO ATTACH

CURVE DATA
C.R. 69
CURVE NO. 3

P.I. STA. 25+76.25 $\theta_s = 1^\circ 05' 37"$
 $\Delta = 22^\circ 45' 00"$ (RT) $L_s = 125.00'$
 $D_c = 1^\circ 45' 00"$ $T_s = 786.51'$
 $R = 3,274.04'$ $LT = 83.33'$
 $T = 658.68'$ $ST = 41.67'$
 $L = 1,300.00'$ $e_{max} = 4.00\%$
 $E = 65.60'$ CS STA. 32+14.74
 $TS STA. 17+89.74$ ST STA. 33+39.74
 $SC STA. 19+14.74$

FOR QUANTITIES, SEE SHEETS 71-81
 FOR S.R. 7 PLAN & PROFILE, SEE SHEETS 122-126
 FOR PROFILE, SEE SHEETS 505
 FOR C.R. 2 PLAN AND PROFILE, SEE SHEET 553
 FOR C.R. 118 PLAN AND PROFILE, SEE SHEET 547
 FOR INTERSECTION DETAILS, SEE SHEET 626
 FOR STORM SEWER PROFILES, SEE SHEETS 642 & 648
 FOR TRAFFIC CONTROL PLAN, SEE SHEETS 713-733A
 FOR STRUCTURE DETAILS, SEE SHEETS 898-906
 FOR FENCE TABLES, SEE SHEETS 1039-1041

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(LF) DESIGNATES LEACH FIELD

CURVE DATA
S.R. 7
CURVE NO. 6

P.I. STA. 280+92.68	$\theta_s = 0^\circ 37' 30''$
$\Delta = 5^\circ 51' 21''$ (LT)	$L_s = 125.00'$
$D_c = 1^\circ 00' 00''$	$T_s = 355.56'$
$R = 5,729.58'$	$LT = 83.33'$
$T = 230.42'$	$ST = 41.67'$
$L = 460.59'$	$e_{max} = 2.90\%$
$E = 4.63'$	CS STA. 283+22.71
TS STA. 277+37.12	ST STA. 284+47.71
SC STA. 278+62.12	



EX AEP POLE
279+25
465' L.
ARM REMOVE

STA 281+26, 351' LT,
AEP REPLACE POLE.
ARM ATTACH

STA 282+66, 331' LT,
AEP INSTALL NEW
POLE. ARM ATTACH

STA 282+70, 281' LT,
AEP INSTALL NEW
POLE. ARM ATTACH

STA 282+71, 250' LT,
FTR REMOVE POLE.
ARM DETACH

STA 283+66, 178' LT,
FTR REMOVE POLE.
ARM DETACH

INSTALL 4"
CONDUIT

STA 284+48, 22' RT,
FTR REMOVE POLE.
ARM DETACH

STA 282+1, 238' RT,
AEP INSTALL NEW POLE.
ARM TO ATTACH

STA 283+29, 200' RT,
FTR REMOVE POLE.
ARM DETACH

STA 282+82, 294' RT,
AEP INSTALL NEW
POLE. ARM TO ATTACH

■ - PROPOSED PAVEMENT

150423

FOR QUANTITIES, SEE SHEETS 71-81
 FOR PROFILE, SEE SHEET 128
 FOR C.R. 69 PLAN AND PROFILE, SEE SHEETS 502-507
 FOR C.R. 2 PLAN AND PROFILE, SEE SHEET 553
 FOR UNDERDRAIN TABLES, SEE SHEETS 674-678
 FOR TRAFFIC CONTROL PLAN, SEE SHEETS 713-733A
 FOR FENCE TABLES, SEE SHEETS 1039-1041

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PLAN - S.R. 7
STA. 279+00 TO STA. 291+00

LAW-7-2.17

127
1247

SEEDING
 END WIDTH SQ. YDS.
 232
 1204
 201
 1165
 218
 1270
 3639

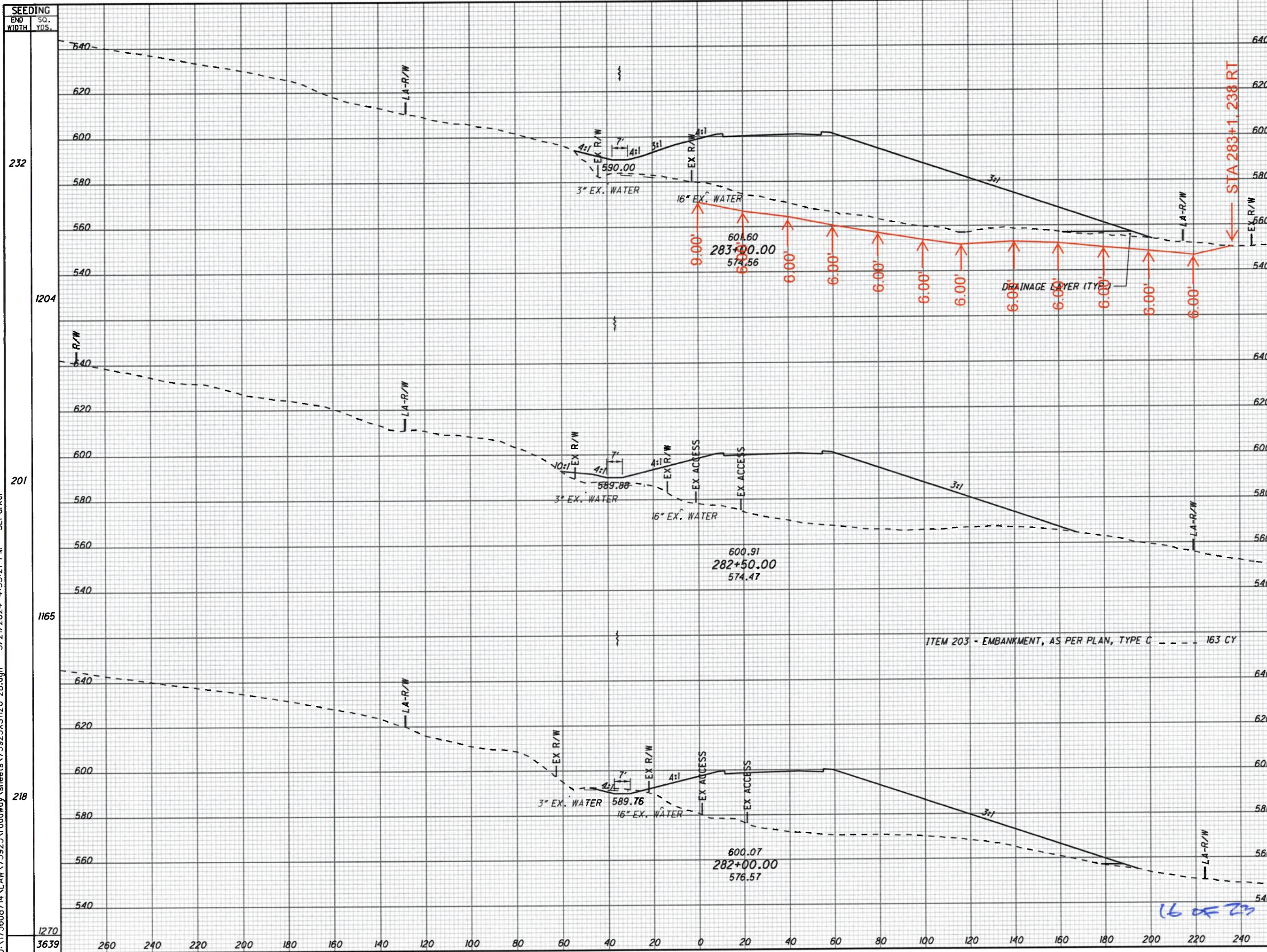
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END CUT	AREA FILL	VOLUME		CALCULATED SLP	CHECKED ALB
		CUT	FILL		
0	4812	0	7959		
0	3784	16	6525		
17	3262	121	6135		
		137	20619		

CROSS SECTIONS S.R. 7
 STA. 282+00.00 TO STA. 283+00.00

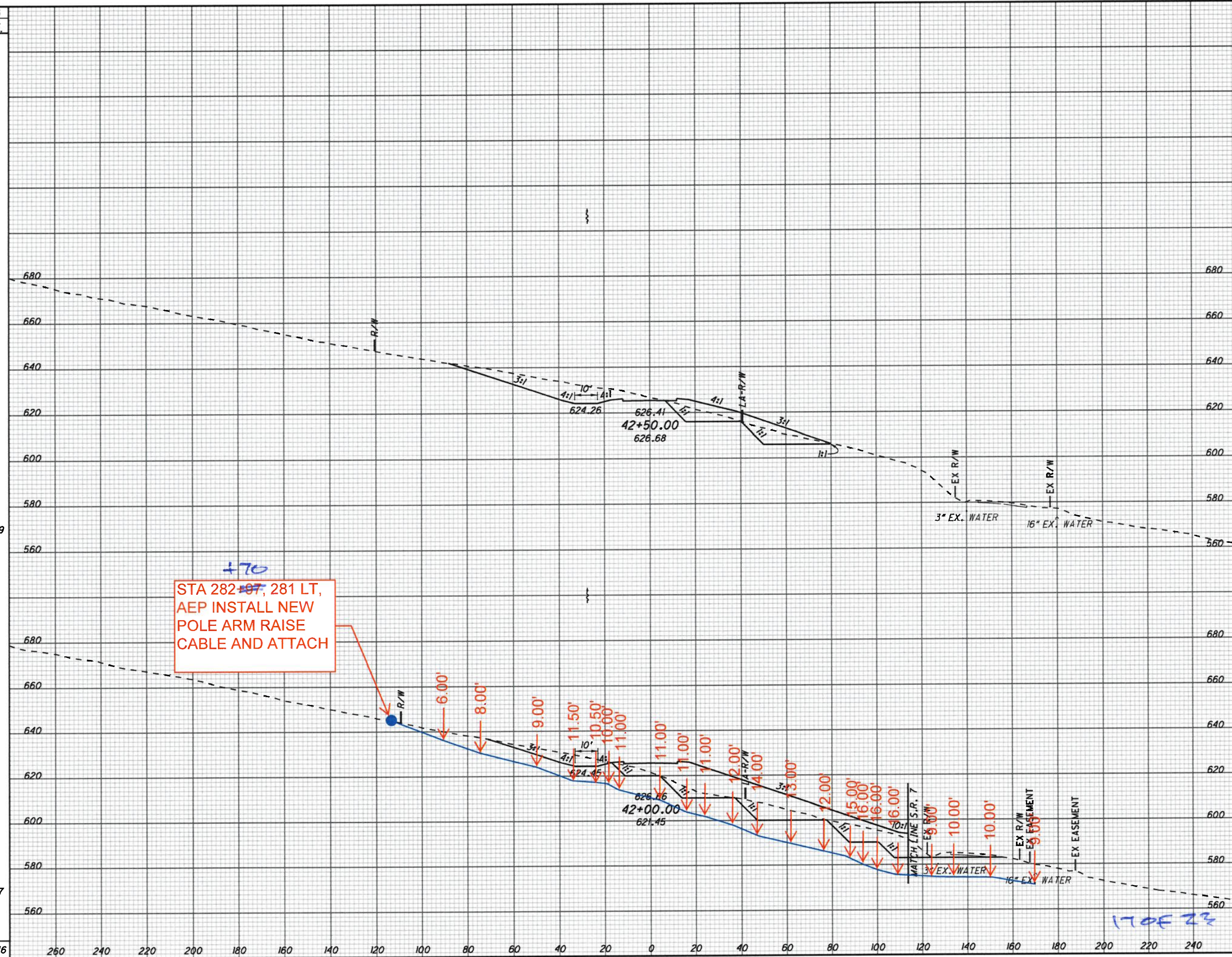
LAW-7-2.17

282
 1247



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SEEDING	END WIDTH	SO. YDS.
	1746	260
	175	240
	929	220
	160	200
		180
		160
		140
		120
		100
		80
		60
		40
		20
		0
		20
		40
		60
		80
		100
		120
		140
		160
		180
		200
		220
		240



END AREA	VOLUME	CALCULATED	SLP	CHECKED	ALB
677	444				
1327	1683				
756	1373				
981	1717				
2308	3400				

CROSS SECTIONS C.R. 69
STA. 42+00.00 TO STA. 42+50.00

LAW-7-2.17

536
1247

CURVE DATA
S.R. 7
CURVE NO. 9

P.I. STA. 387+47.15 $\theta_s = 3^\circ 44' 12''$
 $\Delta = 46^\circ 04' 34''$ (LT) $L_s = 300.00'$
 $D_c = 2^\circ 29' 28''$ $T_s = 1,128.77'$
 $R = 2,300.00'$ $L_T = 200.04'$
 $T = 805.51'$ $ST = 100.04'$
 $L = 1,549.62'$ $e_{max} = 6.20\%$
 $E = 136.98'$ CS STA. 394+68.00
 ST STA. 397+68.00



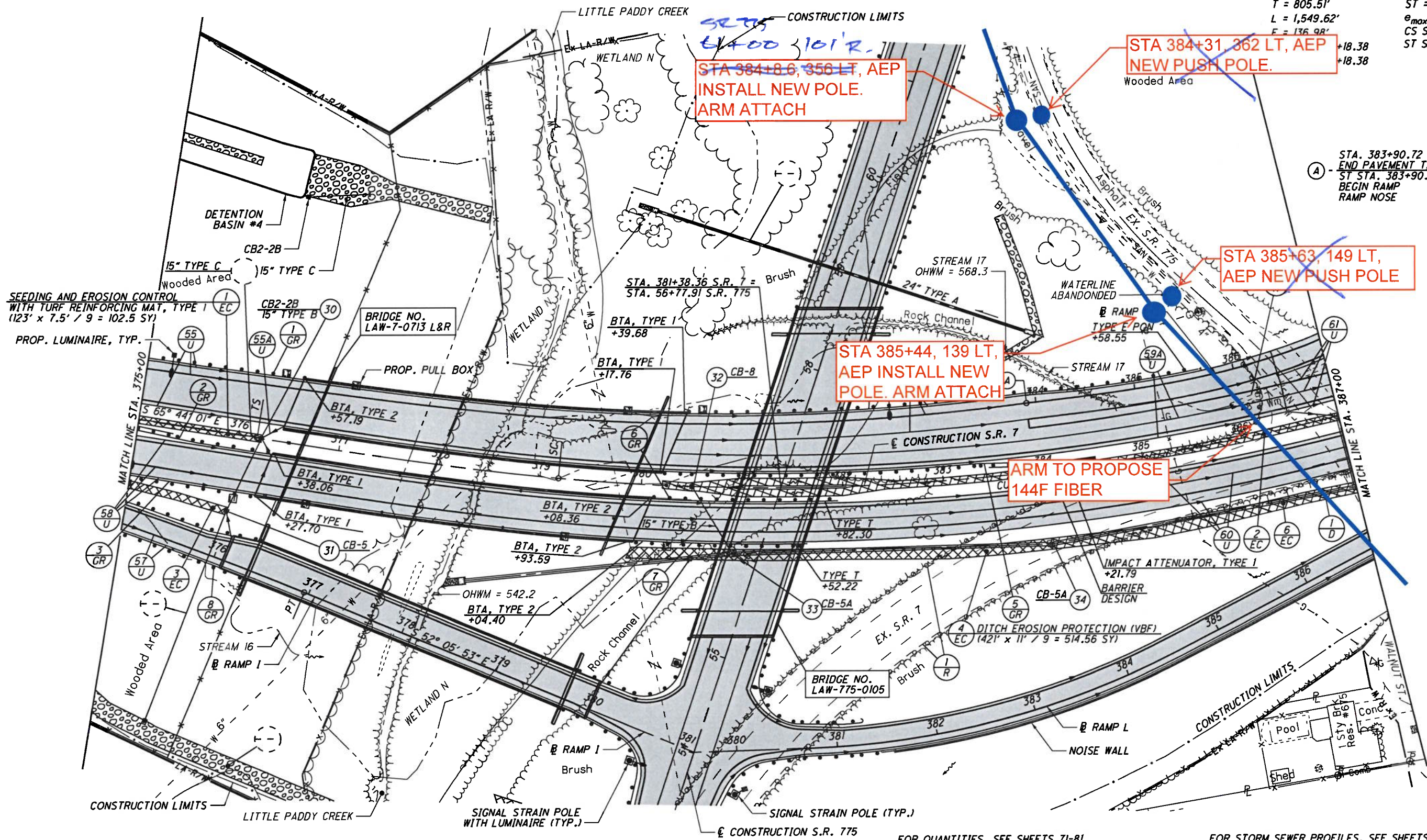
CALCULATED
SLP
CHECKED
ALB

PLAN - S.R. 7
STA. 375+00 TO STA. 387+00

LAW-7-2.17

144
1247

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- (2) DITCH EROSION PROTECTION MAT, TYPE B (681' x 7.5' / 9 = 567.5 SY)
- (3) SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT, TYPE I (101' x 7.5' / 9 = 84.17 SY)
- (5) ROCK CHANNEL PROTECTION, TYPE C WITH FILTER (107' x 7.5' x 1.5' / 27 = 44.58 CY)
- (6) DITCH EROSION PROTECTION (VBF) (300' x 11' / 9 = 366.67 SY)

█ - PROPOSED PAVEMENT

(VBF) DENOTES LOCATION OF VEGETATED BIOFILTER

FOR QUANTITIES, SEE SHEETS 71-81
 FOR PROFILE, SEE SHEET 145
 FOR RAMP I PLAN AND PROFILE, SEE SHEET 431
 FOR RAMP J PLAN AND PROFILE, SEE SHEET 437
 FOR RAMP L PLAN AND PROFILE, SEE SHEET 457
 FOR S.R. 775 PLAN AND PROFILE, SEE SHEETS 559-560
 FOR INTERCHANGE DETAILS, SEE SHEETS 619-621
 FOR INTERSECTION DETAILS, SEE SHEETS 627-628

FOR STORM SEWER PROFILES, SEE SHEETS 643 & 645
 FOR CULVERT DETAILS, SEE SHEET 664
 FOR DETENTION BASIN DETAILS, SEE SHEETS 665-673
 FOR UNDERDRAIN TABLES, SEE SHEETS 674-678
 FOR TRAFFIC CONTROL PLAN, SEE SHEETS 713-733A
 FOR STRUCTURE DETAILS, SEE SHEETS 931-1038
 FOR FENCE TABLES, SEE SHEETS 1039-1041

18 OF 23

CURVE DATA
S.R. 7
CURVE NO. 9

P.I. STA. 387+47.15
 $\Delta = 46^\circ 04' 34"$ (LT)
 $Dc = 2^\circ 29' 28"$
 $R = 2,300.00'$
 $T = 805.51'$
 $L = 1,549.62'$
 $E = 136.98'$
 $TS STA. 376+18.38$
 $SC STA. 379+18.38$

$\theta_s = 3^\circ 44' 12"$
 $Ls = 300.00'$
 $Ts = 1,128.77'$
 $LT = 200.04'$
 $ST = 100.04'$
 $e_{max} = 6.20\%$
 $CS STA. 394+68.00$
 $ST STA. 397+68.00$

CURVE DATA
S.R. 7 WESTBOUND LANES
@ CURVE NO. 1

P.I. STA. 399+82.71
 $\Delta = 4^\circ 17' 32"$ (LT)
 $Dc = 1^\circ 00' 00"$
 $R = 5,729.58'$
 $T = 214.71'$
 $L = 429.22'$
 $E = 4.02'$
 $e_{max} = 2.90\%$
 $PC STA. = 397+68.00$
 $PT STA. = 401+97.22$

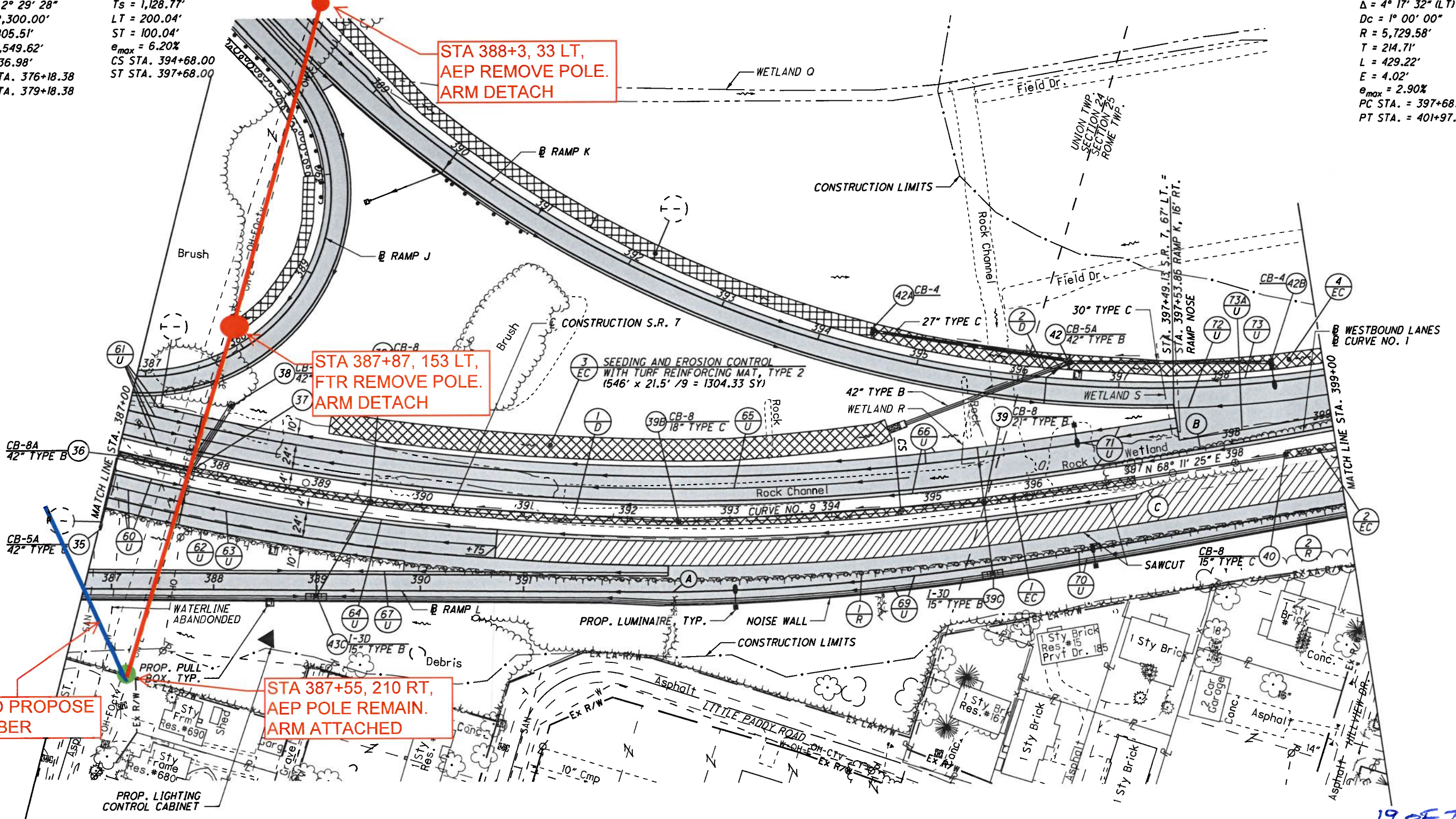
STA 388+33, 33 LT,
AEP REMOVE POLE.
ARM DETACH

STA 387+87, 153 LT,
FTR REMOVE POLE.
ARM DETACH

STA 387+55, 210 RT,
AEP POLE REMAIN.
ARM ATTACHED

ARM TO PROPOSE
144F FIBER

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- (A) STA. 392+40.09 S.R. 7
BEGIN PAVEMENT TAPER, 69' RT. =
STA. 392+40.09 RAMP L
RAMP NOSE
END RAMP
- (B) P.C. STA. 397+68.00
BEGIN @ WESTBOUND LANES =
S.T. STA. 397+68.00, S.R. 7, 20' LT.
- (C) 5:1 SAWCUT TAPER TO MEET
EXISTING SHOULDER WIDTH.

- (1) DITCH EROSION PROTECTION
MAT, TYPE B
(1000' x 7.5' / 9 = 833.33 SY)
- (2) DITCH EROSION PROTECTION
MAT, TYPE B
(50' x 7.5' / 9 = 41.67 SY)
- (4) SEEDING AND EROSION CONTROL
WITH TURF REINFORCING MAT, TYPE 2
(150' x 14.5' / 9 = 80.56 SY)

— PROPOSED PAVEMENT
 // 3-1/4" MILL/FILL

FOR QUANTITIES, SEE SHEETS 71-81
 FOR PROFILE, SEE SHEET 147
 FOR RAMP J PLAN & PROFILE, SEE SHEET 437
 FOR RAMP K PLAN & PROFILE, SEE SHEETS 442-444
 FOR RAMP L PLAN & PROFILE, SEE SHEET 457
 FOR PAVEMENT DETAILS, SEE SHEETS 613-614
 FOR INTERCHANGE DETAILS, SEE SHEETS 619-621
 FOR STORM SEWER PROFILE, SEE SHEETS 645-648
 FOR UNDERDRAIN TABLES, SEE SHEETS 674-678
 FOR TRAFFIC CONTROL PLAN, SEE SHEETS 713-733A
 FOR FENCE TABLES, SEE SHEETS 1039-1041

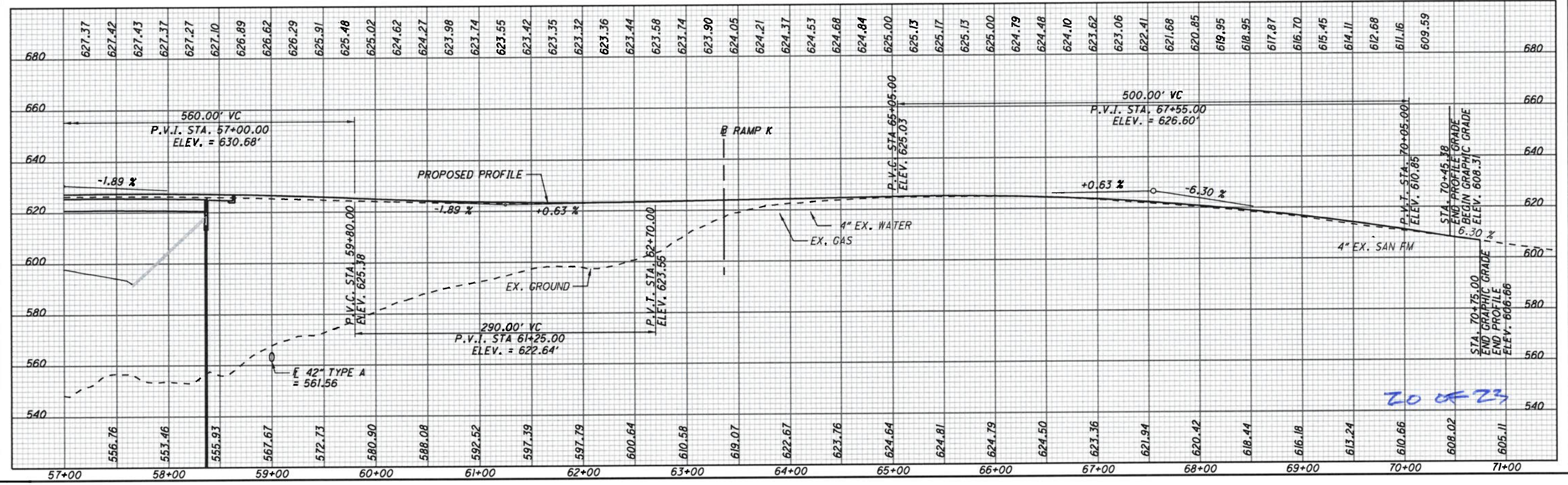
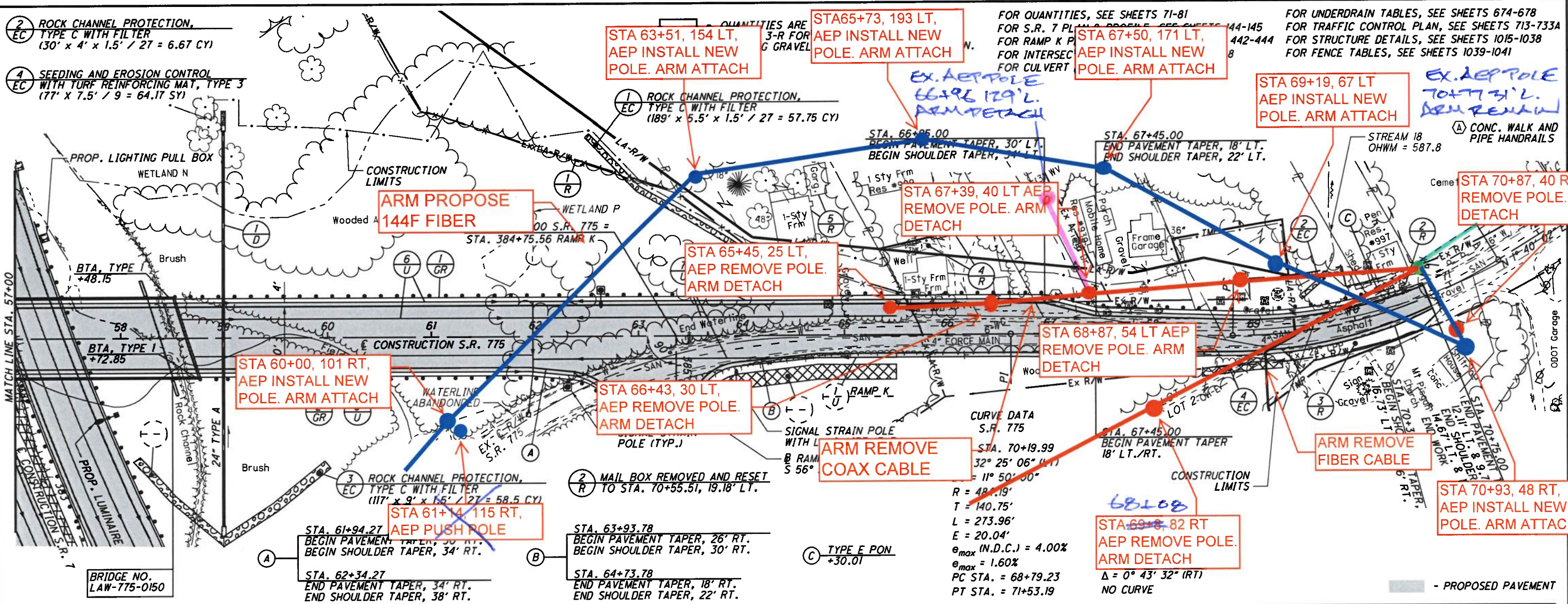
NOTE: @ WESTBOUND LANES SHOWN FOR HORIZONTAL ALIGNMENT ONLY

HORIZONTAL SCALE IN FEET

PLAN - S.R. 7
 STA. 387+00 STA. 399+00

LAW-7-2.17
 146
 1247

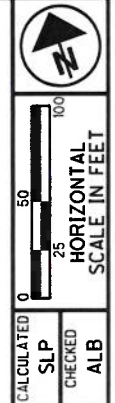
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PLAN AND PROFILE - S.R. 775
STA. 57+00.00 TO STA. 70+75.00
LAW-7-2.17
560
1247

CURVE DATA
RAMP K
CURVE NO. 1

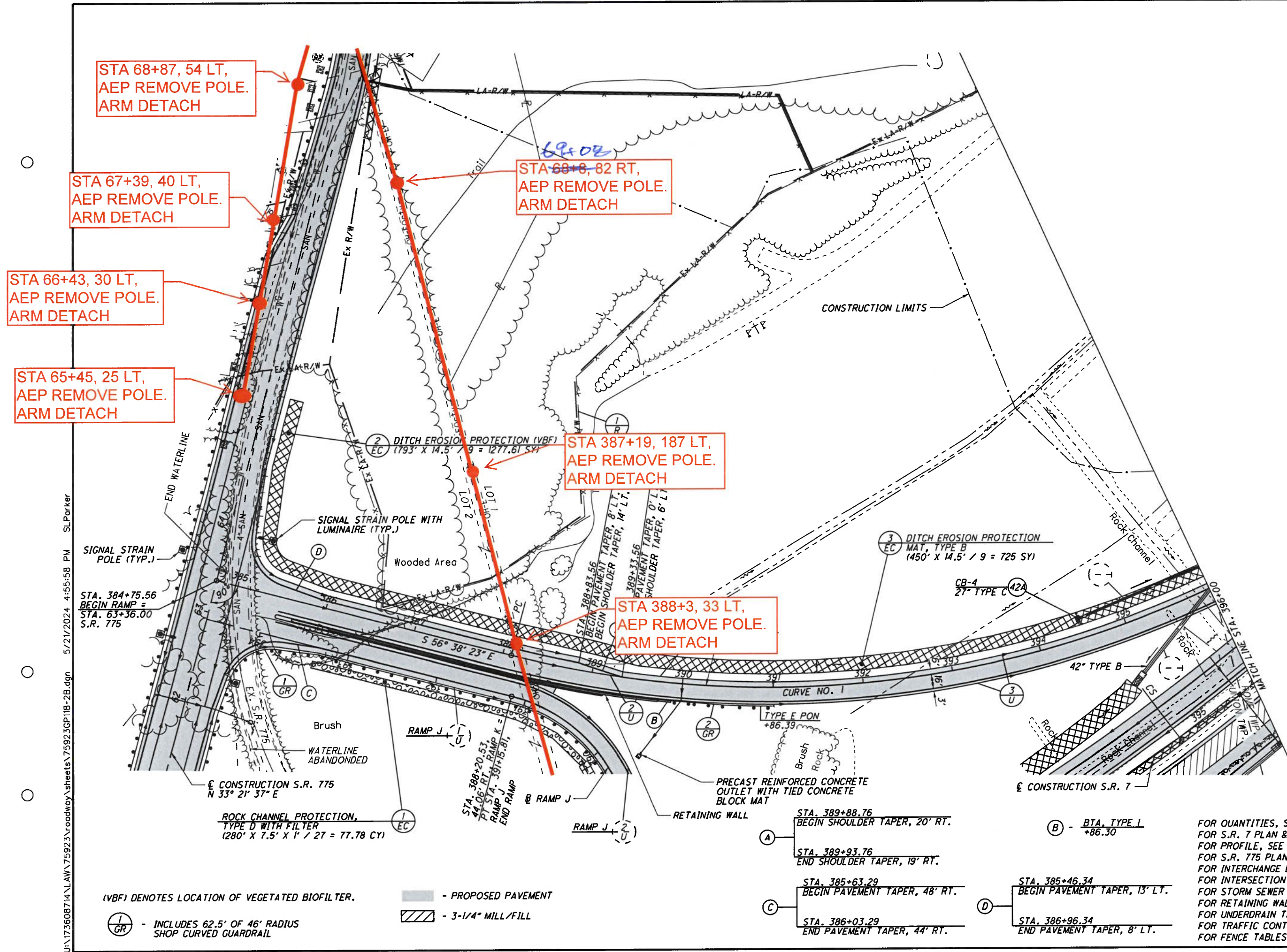
P.I. STA. 393+97.26
 $\Delta = 54^\circ 19' 17" (LT)$
 $Dc = 5^\circ 00' 00"$
 $R = 1145.92'$
 $T = 587.93'$
 $L = 1086.43'$
 $E = 142.02'$
 $e_{max} = 6.30\%$
 PC STA. 388+09.33
 PCC STA. 398+95.76



PLAN - RAMP K
STA. 384+75.56 TO STA. 396+00.00

LAW-7-2.17

442
1247



STA 68+87, 54 LT,
AEP REMOVE POLE.
ARM DETACH

STA 67+39, 40 LT,
AEP REMOVE POLE.
ARM DETACH

STA 66+43, 30 LT,
AEP REMOVE POLE.
ARM DETACH

STA 65+45, 25 LT,
AEP REMOVE POLE.
ARM DETACH

STA 68+8, 82 RT,
AEP REMOVE POLE.
ARM DETACH

STA 387+19, 187 LT,
AEP REMOVE POLE.
ARM DETACH

STA 388+3, 33 LT,
AEP REMOVE POLE.
ARM DETACH

(VBF) DENOTES LOCATION OF VEGETATED BIOFILTER.

(GR) - INCLUDES 62.5' OF 46' RADIUS SHOP CURVED GUARDRAIL

- PROPOSED PAVEMENT

- 3-1/4" MILL/FILL

(A) STA. 389+88.76
BEGIN SHOULDER TAPER, 20' RT.

STA. 389+93.76
END SHOULDER TAPER, 19' RT.

(C) STA. 385+63.29
BEGIN PAVEMENT TAPER, 48' RT.

STA. 386+03.29
END PAVEMENT TAPER, 44' RT.

(B) - BTA, TYPE I
+86.30

(D) STA. 385+46.34
BEGIN PAVEMENT TAPER, 13' LT.

STA. 386+96.34
END PAVEMENT TAPER, 8' LT.

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FOR QUANTITIES, SEE SHEETS 71-81
 FOR S.R. 7 PLAN & PROFILE, SEE SHEETS 146-147
 FOR PROFILE, SEE SHEET 443
 FOR S.R. 775 PLAN & PROFILE, SEE SHEETS 559-560
 FOR INTERCHANGE DETAILS, SEE SHEETS 619-621
 FOR INTERSECTION DETAILS, SEE SHEETS 628
 FOR STORM SEWER PROFILE, SEE SHEET 648
 FOR RETAINING WALL DETAILS, SEE SHEETS 706-712
 FOR UNDERDRAIN TABLES, SEE SHEETS 674-678
 FOR TRAFFIC CONTROL PLAN, SEE SHEETS 713-733A
 FOR FENCE TABLES, SEE SHEETS 1039-1041

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FOR QUANTITIES, SEE SHEETS 71-81
 FOR PROFILE, SEE SHEET 503
 FOR S.R. 243 PLAN & PROFILE, SEE SHEETS 490 & 491
 FOR INTERSECTION DETAILS, SEE SHEET 625
 FOR CULVERT DETAILS, SEE SHEET 663
 FOR DETENTION BASIN DETAILS, SEE SHEETS 667 & 672
 FOR UNDERDRAIN TABLES, SEE SHEETS 674-678
 FOR TRAFFIC CONTROL PLAN, SEE SHEETS 713-733A
 FOR FENCE TABLES, SEE SHEETS 1039-1041

CURVE DATA
 C.R. 69
 CURVE NO. 1

P.I. STA. 10+33.80
 $\Delta = 20^\circ 52' 36''$ (RT)
 $Dc = 24^\circ 54' 40''$
 $R = 230.00'$
 $T = 42.37'$
 $L = 83.80'$
 $E = 3.87'$
 e_{max} (N.D.C.) = 8.00%
 $e_{max} = 2.50\%$
 PC STA. 9+91.43
 PT STA. 10+75.23

CURVE DATA
 C.R. 69
 CURVE NO. 2

P.I. STA. 15+77.89
 $\Delta = 10^\circ 17' 44''$ (LT)
 $Dc = 4^\circ 00' 00''$
 $R = 1,432.39'$
 $T = 129.04'$
 $L = 257.39'$
 $E = 5.80'$
 $e_{max} = 7.10\%$
 PC STA. 14+48.85
 PT STA. 17+06.24

CURVE DATA
 C.R. 69
 CURVE NO. 3

P.I. STA. 25+76.25
 $\Delta = 22^\circ 45' 00''$ (RT)
 $Dc = 1^\circ 45' 00''$
 $R = 3,274.04'$
 $T = 658.68'$
 $L = 1,300.00'$
 $E = 65.60'$
 TS STA. 17+89.74
 SC STA. 19+14.74

(LF) DESIGNATES LEACH FIELD

(1) GR - INCLUDES 75' OF 42' RADIUS SHOP CURVED GUARDRAIL

(8) EC SLOPE PROTECTION, MISC.: SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT, TYPE 3 AND PERCUSSION DRIVEN EARTH ANCHORS (11,505.78 SF / 9 = 1,278.42 SY)

(1) EC SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT, TYPE 2 (214' X 14.5' / 9 = 344.78 SY)

(3) EC DITCH EROSION PROTECTION MAT, TYPE B (54' X 11' / 9 = 66 SY)

(5) EC SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT, TYPE 1 (102' X 14.5' / 9 = 167.56 SY)

(6) EC SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT, TYPE 1 (150' X 14.5' / 9 = 80.56 SY)

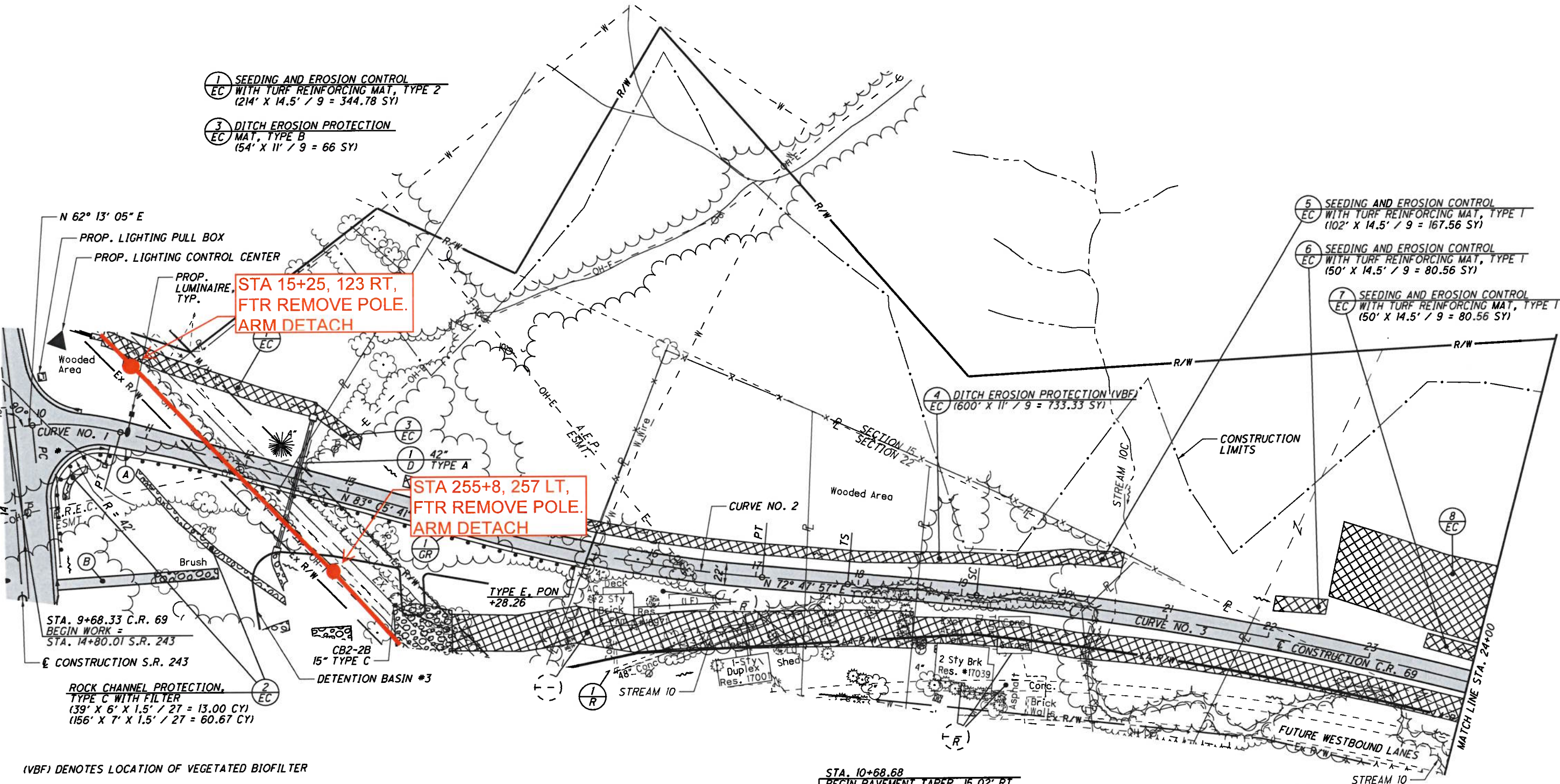
(7) EC SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT, TYPE 1 (150' X 14.5' / 9 = 80.56 SY)

(4) EC DITCH EROSION PROTECTION (VBF) (600' X 11' / 9 = 733.33 SY)

STA 15+25, 123 RT, FTR REMOVE POLE. ARM DETACH

STA 255+8, 257 LT, FTR REMOVE POLE. ARM DETACH

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STA. 9+68.33 C.R. 69
 BEGIN WORK =
 STA. 14+80.01 S.R. 243

ROCK CHANNEL PROTECTION, TYPE C WITH FILTER (39' X 6' X 1.5' / 27 = 13.00 CY) (156' X 7' X 1.5' / 27 = 60.67 CY)

(VBF) DENOTES LOCATION OF VEGETATED BIOFILTER

* PRECAST REINFORCED CONCRETE OUTLET WITH TIED CONCRETE BLOCK MAT

- PROPOSED PAVEMENT

(A) STA. 10+68.68 BEGIN PAVEMENT TAPER, 15.02' RT.
 STA. 11+30.77 END PAVEMENT TAPER, 11' RT.

(B) - DETENTION BASIN #3 ACCESS DRIVE

STREAM 10

22 OF 23

PLAN - C.R. 69
 STA. 9+68.33 TO STA. 24+00.00
 LAW-7-2.17
 502
 1247

CURVE DATA S.R. 243 CURVE NO. 1	CURVE DATA S.R. 243 CURVE NO. 2	CURVE DATA S.R. 243 CURVE NO. 3
P.I. Sta. 11+03.86	P.I. Sta. 11+99.38	P.I. Sta. 12+94.82
$\Delta = 6^\circ 51' 57''$ (LT)	$\Delta = 13^\circ 36' 35''$ (RT)	$\Delta = 6^\circ 05' 09''$ (RT)
$Dc = 19^\circ 05' 55''$	$Dc = 8^\circ 48' 53''$	$Dc = 16^\circ 22' 13''$
$R = 300.00'$	$R = 650.00'$	$R = 350.00'$
$T = 18.00'$	$T = 77.56'$	$T = 18.61'$
$L = 35.95'$	$L = 154.40'$	$L = 37.18'$
$E = 0.54'$	$E = 4.61'$	$E = 0.49'$
$e_{max} = 1.60\%$	$e_{max} = 1.60\%$	$e_{max} = 1.60\%$
PC Sta. 10+85.87	PRC Sta. 11+21.82	PCC Sta. 12+76.21
PRC Sta. 11+21.82	PCC Sta. 12+76.21	CS Sta. 13+13.39

CURVE DATA
S.R. 243
CURVE NO. 4

P.I. Sta. 15+51.11	$\theta_s = 00^\circ 45' 00''$
$\Delta = 5^\circ 37' 36''$ (LT)	$L_s = 100.00'$
$Dc = 1^\circ 30' 00''$	$T_s = 237.72'$
$R = 3,819.72'$	$LT = 66.67'$
$T = 137.62'$	$ST = 33.33'$
$L = 275.13'$	$e_{max} = 3.50\%$
$E = 2.48'$	CS Sta. 16+88.52
TS STA. 13+13.39	ST Sta. 17+88.52
SC STA. 14+13.39	

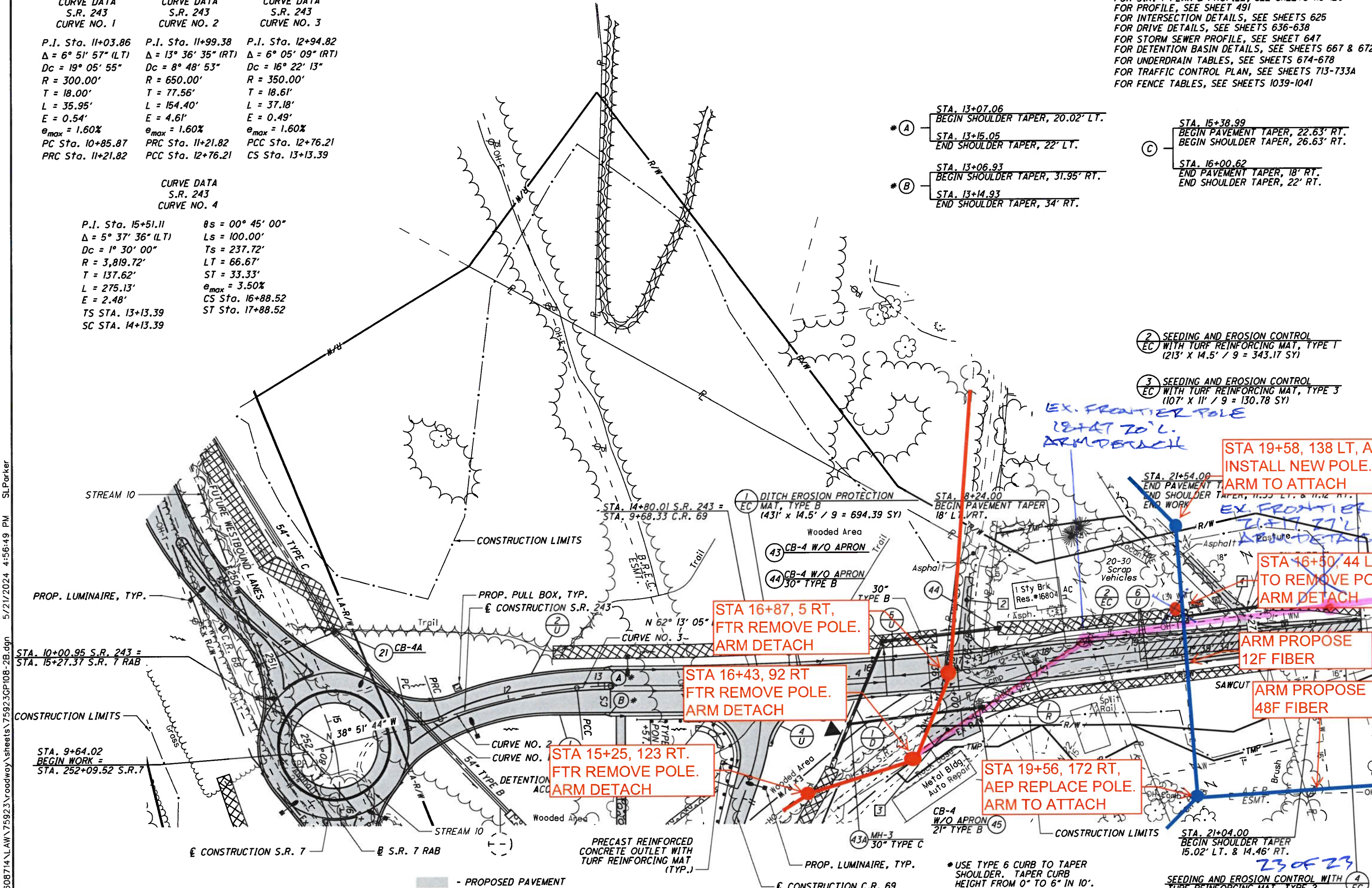
FOR QUANTITIES, SEE SHEETS 71-81
FOR S.R. 7 PLAN & PROFILE, SEE SHEETS 119-120
FOR PROFILE, SEE SHEET 491
FOR INTERSECTION DETAILS, SEE SHEETS 625
FOR DRIVE DETAILS, SEE SHEETS 636-638
FOR STORM SEWER PROFILE, SEE SHEET 647
FOR DETENTION BASIN DETAILS, SEE SHEETS 667 & 672
FOR UNDERDRAIN TABLES, SEE SHEETS 674-678
FOR TRAFFIC CONTROL PLAN, SEE SHEETS 713-733A
FOR FENCE TABLES, SEE SHEETS 1039-1041



PLAN
S.R. 243

LAW-7-2.17

490
1247



STA. 13+07.06
BEGIN SHOULDER TAPER, 20.02' LT.
STA. 13+15.05
END SHOULDER TAPER, 22' LT.
STA. 13+06.93
BEGIN SHOULDER TAPER, 31.95' RT.
STA. 13+14.93
END SHOULDER TAPER, 34' RT.

STA. 15+38.99
BEGIN PAVEMENT TAPER, 22.63' RT.
BEGIN SHOULDER TAPER, 26.63' RT.
STA. 16+00.62
END PAVEMENT TAPER, 18' RT.
END SHOULDER TAPER, 22' RT.

SEEDING AND EROSION CONTROL
WITH TURF REINFORCING MAT, TYPE 1
(213' x 14.5' / 9 = 343.17 SY)

SEEDING AND EROSION CONTROL
WITH TURF REINFORCING MAT, TYPE 3
(107' x 11' / 9 = 130.78 SY)

STA 19+58, 138 LT, AEP
INSTALL NEW POLE.
ARM TO ATTACH

STA 16+50, 44 LT AEP
TO REMOVE POLE.
ARM DETACH

ARM PROPOSE
12F FIBER

ARM PROPOSE
48F FIBER

STA 16+87, 5 RT,
FTR REMOVE POLE.
ARM DETACH

STA 16+43, 92 RT
FTR REMOVE POLE.
ARM DETACH

STA 15+25, 123 RT.
FTR REMOVE POLE.
ARM DETACH

STA 19+56, 172 RT,
AEP REPLACE POLE.
ARM TO ATTACH

STA. 21+04.00
BEGIN SHOULDER TAPER
15.02' LT. & 14.46' RT.

SEEDING AND EROSION CONTROL WITH
TURF REINFORCING MAT, TYPE 2
(431' x 11' / 9 = 526.78 SY)

* USE TYPE 6 CURB TO TAPER
SHOULDER. TAPER CURB
HEIGHT FROM 0" TO 6" IN 10".
** LIGHTING CONTROL CENTER

- PROPOSED PAVEMENT
- 3-1/4" MILL/FILL

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