FRONTIER RELOCATION PLAN

LEGENDS
PROPOSED
EXISTING/REMAIN
REMOVE/ABANDON

Sheet 1

- 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.

STA 161+53
280' LT,AEP
Pole to remain

STA 164+68, 304'
LT, AEP Pole to
remain

STA 165+25, 248'
LT,Remove FTR
Pole, FTR Detach
and remove

STA 166+25,
169' LT,AEP
Pole Remain,
FTR Detach

STA 167+76, 105'
LT,AEP Pole to
Remain,FTR
Detach

STA 168+61, 80'
LT,ACS will
remove pole,FTR
Detach and
remove

STA
170+25,64'L,
FTR Detach
and remove

Service Drops , Can
be removed, No live
customers

STA 164+97,
102' RT,
Remove FTR
Pole

FTR Service
Drop Only, No
live customer ,
remove drop
cables by
FTR.

STA 165+92
143' RT,Remove
Buried copper Ped

STA 166+91,181'
RT Remain Buried
copper Ped

Abandon Existing 50
pair Buried Copper ,
No Live Count

Existing Copper
Cable will remained

STA
169+80,300' RT,
Buried Copper
Ped Remained

FTR
Existing
Pole,
Remained

RECEIVED
SEP 2[illegible] 2024
ODOT DISTRICT 9
PLANNING & ENGINEERING

(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.

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

- PROPOSED PAVEMENT

FOR QUANTITIES, SEE SHEETS 71-
FOR PROFILE, SEE SHEET 104
FOR BRENTWOOD EMERGENCY ACC
FOR INTERSECTION DETAILS, SEE
FOR DRIVE DETAILS, SEE SHEETS
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

HORIZONTAL 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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LEGENDS
PROPOSED
EXISTING/REMAIN
REMOVE/ABANDON

Sheet 2

VE DATA
.R. 7
VE NO. 2

$\theta s = 2° 59' 44"$
$Ls = 275.00'$
$Ts = 703.26'$
$LT = 183.36'$
$ST = 91.69'$
$e_{max} = 5.51\%$
CS STA. 186+17.26
ST STA. 188+92.26

$L = 839.08'$
$E = 33.82'$
TS STA. 175+03.18
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

STA 175+00, 26' LT, Remove BREC Pole and Spans,FTR Detach and Remove

STA 175+00 to STA 183.00 Existing 25 pair Aerial Copper Need to Remove, No Live Count

STA 178+50, 31' LT, Remove BREC Pole and Spans,FTR Detach and Remove

STA 180+37,68' LT, Remove BREC Pole and Spans,FTR Detach and Remove

STA 181+90, 86' LT,Remove BREC Pole and Spans,FTR Detach and Remove

STA 171+80, 12' LT, AEP Pole, FTR Detach and Remove

STA 177+01, 5' RT Remove BREC Pole and Spans, FTR Detach and Remove

ROCK CHANNEL PROTECTION, TYPE C WITH FILTER (156' x 12.5' x 1.5' / 27 = 108.33 CY) (1 EC)

SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT, TYPE T (250' x 14.5' / 9 = 402.78 SY) (2 EC)

DITCH EROSION PROTECTION (VBF) (582' x 14.5' / 9 = 937.67 SY) (3 EC)

ROCK CHANNEL PROTECTION, TYPE C WITH FILTER (156' x 9' x 1.5' / 27 = 28 CY) (4 EC)

N 70° 54' 16" E
℄ CONSTRUCTION S.R. 7

MATCH LINE STA. 171+00

MATCH LINE STA. 183+00

TYPE E PON ± +94.05

TYPE T +44.36

CURVE NO. 2

FUTURE WESTBOUND LANES

CONSTRUCTION LIMITS

Wooded Area

Abandonded Pole

Light Pole

Trail

Field Dr.

Woodland Dr.

Henson Rd.

Rock Fence

Wire Fence

Gravel & Dirt

Gravel

Pond

Shed

Trash

Carport

Planter

Brush

Asphalt

Concrete

Rock

Deck

Porch

1 Sty Vinyl Res. # 128

1 Sty Frame Res. #1485

1 Sty Vinyl Res. #1501

1 Sty Frame Res. #1529

(LF) DESIGNATES LEACH FIELD

CALCULATED SLP
CHECKED ALB

HORIZONTAL SCALE IN FEET
0 25 50 100

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

LAW-7-2.17

105
1247

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LEGENDS
PROPOSED
EXISTING/REMAIN
REMOVE/ABANDON

Sheet 3

STA 183+52, 34 ' RT, BREC Pole and Spans, FTR Detach and remove

STA 185+72, 220' RT, BREC Pole and Spans,FTR detach and Remove

STA 183+00 to STA 186.30
Existing 25 pair Aerial Copper Need to Remove FTR Cables, No Live count

STA 193+38, 124' RT BREC Pole and Span, No FTR cable attached on this pole.

2 Existing 25 pair Aerial Cable , FTR detach and Remove , No Live Count

STA 186+33 , 289' RT,Existing BREC Pole

Existing 25 pair Aerial Copper

STA 192+58, 198' RT,Remove Pole, FTR Detach and Remove, Remove Service Drops of FTR

STA 192+92 305' RT, BREC Pole Remain, FTR Detach and Remove

STA 194+37 173' RT,Existing BREC Pole.FTR Detach and Remove

CURVE DATA
S.R. 7
CURVE NO. 2

P.I. STA. 182+06.44
Δ = 24° 16' 14" (LT)
Dc = 2° 10' 43"
R = 2,630.00'
T = 423.13'
L = 839.08'
E = 33.82'
TS STA. 175+03.18
SC STA. 177+78.18

θs = 2° 59' 44"
Ls = 275.00'
Ts = 703.26'
LT = 183.36'
ST = 91.69'
e_{max} = 5.51%
CS STA. 186+17.26
ST STA. 188+92.26

ROCK CHANNEL PROTECTION, TYPE C WITH FILTER (203' x 9' x 1.5' / 27 = 101.5 CY)

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

ROCK CHANNEL PROTECTION, TYPE B WITH FILTER (150' x 13' x 2.5' / 27 = 180.56 CY)

SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT, TYPE 2 (50' x 18' / 9 = 100 SY)

ROCK CHANNEL PROTECTION, TYPE C WITH FILTER (224' x 6.5

ROCK CHANNEL PROTECTION, TYPE C WITH FILTER (104' x 7.5' x 1.5' / 27 = 43.33 CY)

2 ROCK CHANNEL PROTECTION, TYPE C WITH FILTER (107' x 7' x 1.5' / 27 = 41.61 CY)

7 DITCH EROSION PROTECTION, MAT, TYPE B (' x 7.5' / 9 = 44.17 SY)

CONSTRUCTION LIMITS

℄ CONSTRUCTION S.R. 7

NOISE WALL

POND 1

STREAM 5 OHWM = 585.7

STREAM 6 OHWM = 600.0

STREAM 7 OHWM = 578.2

Wooded Area

Brush

Gas Well

Abandonded Pole

Barn

Sty Frame Res. #52

Dog Hse

Shed

Garage

Privy

Trailer Park

Steel Bridge

Wood Pile

1½" Private Gasline Exact Location Unknown

Pvt. Gas Lines Exact Location Unknown

Ex. ℄ R/W & CONSTRUCTION C.R. 104

SAWCUT CONCRETE AT LA-R/W. DO NOT DISTURB CONCRETE OUTSIDE OF THE LA-R/W.

TAPERS PROVIDED FOR INFORMATION ONLY

(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 PAVEMEN

SEE SHEETS 630-638
PROFILE, SEE SHEET 640
BLES, SEE SHEETS 674-678
OL PLAN, SEE SHEETS 713-733A
SEE SHEETS 1039-1041

HORIZONTAL SCALE IN FEET
0 25 50 100

CALCULATED SLP
CHECKED ALB

PLAN - STA. 183+00 TO

LAW-7-2.17

107
1247

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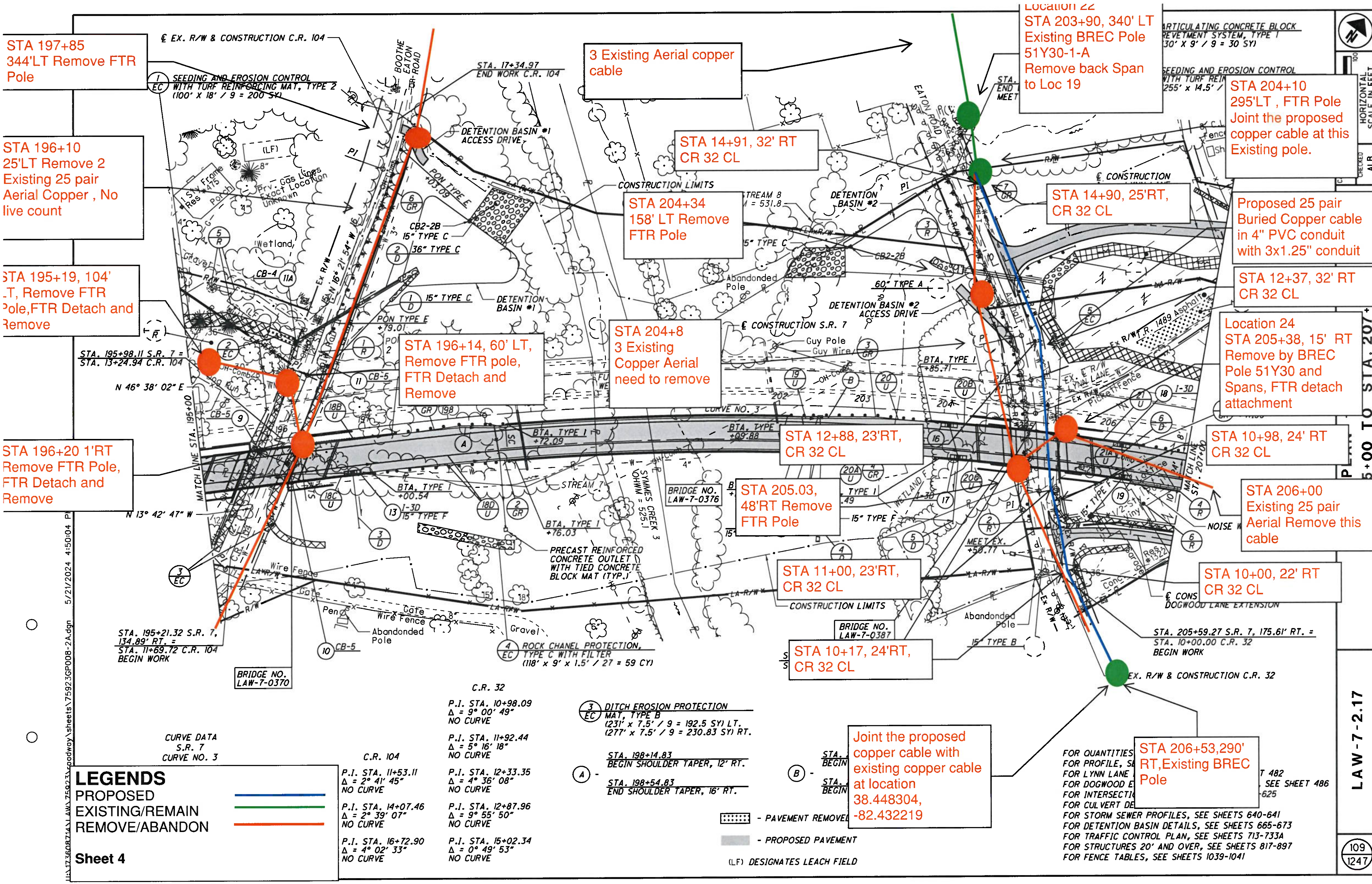
STA 197+85
344'LT Remove FTR Pole
STA 196+10
25'LT Remove 2 Existing 25 pair Aerial Copper , No live count
STA 195+19, 104' LT, Remove FTR Pole,FTR Detach and Remove
STA 196+20 1'RT Remove FTR Pole, FTR Detach and Remove
STA 196+14, 60' LT, Remove FTR pole, FTR Detach and Remove
3 Existing Aerial copper cable
STA 14+91, 32' RT CR 32 CL
STA 204+34 158' LT Remove FTR Pole
STA 204+8 3 Existing Copper Aerial need to remove
STA 12+88, 23'RT, CR 32 CL
STA 205.03, 48'RT Remove FTR Pole
STA 11+00, 23'RT, CR 32 CL
STA 10+17, 24'RT, CR 32 CL
Location 22
STA 203+90, 340' LT
Existing BREC Pole 51Y30-1-A
Remove back Span to Loc 19
STA 204+10 295'LT , FTR Pole Joint the proposed copper cable at this Existing pole.
STA 14+90, 25'RT, CR 32 CL
Proposed 25 pair Buried Copper cable in 4" PVC conduit with 3x1.25" conduit
STA 12+37, 32' RT CR 32 CL
Location 24
STA 205+38, 15' RT Remove by BREC Pole 51Y30 and Spans, FTR detach attachment
STA 10+98, 24' RT CR 32 CL
STA 206+00 Existing 25 pair Aerial Remove this cable
STA 10+00, 22' RT CR 32 CL
Joint the proposed copper cable with existing copper cable at location 38.448304, -82.432219
STA 206+53,290' RT,Existing BREC Pole
℄ EX. R/W & CONSTRUCTION C.R. 104
SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT, TYPE 2 (100' X 18' / 9 = 200 SY)
STA. 17+34.97 END WORK C.R. 104
DETENTION BASIN #1 ACCESS DRIVE
CONSTRUCTION LIMITS
DETENTION BASIN #2
DETENTION BASIN #2 ACCESS DRIVE
℄ CONSTRUCTION S.R. 7
Guy Pole
Guy Wire
Abandonded Pole
STA. 195+98.11 S.R. 7 = STA. 13+24.94 C.R. 104
N 46° 38' 02" E
N 13° 42' 47" W
STA. 195+21.32 S.R. 7, 134.89' RT. = STA. 11+69.72 C.R. 104 BEGIN WORK
BRIDGE NO. LAW-7-0370
BRIDGE NO. LAW-7-0376
BRIDGE NO. LAW-7-0387
PRECAST REINFORCED CONCRETE OUTLET WITH TIED CONCRETE BLOCK MAT (TYP.)
ROCK CHANEL PROTECTION, TYPE C WITH FILTER (118' x 9' x 1.5' / 27 = 59 CY)
SYMMES CREEK 3 OHWM = 525.1
ARTICULATING CONCRETE BLOCK REVETMENT SYSTEM, TYPE I (30' X 9' / 9 = 30 SY)
SEEDING AND EROSION CONTROL WITH TURF REIN (255' x 14.5' /
STA. 205+59.27 S.R. 7, 175.61' RT. = STA. 10+00.00 C.R. 32 BEGIN WORK
EX. R/W & CONSTRUCTION C.R. 32
℄ CONS DOGWOOD LANE EXTENSION
CURVE DATA S.R. 7 CURVE NO. 3
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
C.R. 32
P.I. STA. 10+98.09 Δ = 9° 00' 49" 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
DITCH EROSION PROTECTION MAT, TYPE B (231' x 7.5' / 9 = 192.5 SY) LT. (277' x 7.5' / 9 = 230.83 SY) RT.
A - STA. 198+14.83 BEGIN SHOULDER TAPER, 12' RT.
STA. 198+54.83 END SHOULDER TAPER, 16' RT.
- PAVEMENT REMOVED
- PROPOSED PAVEMENT
(LF) DESIGNATES LEACH FIELD
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
LEGENDS
PROPOSED
EXISTING/REMAIN
REMOVE/ABANDON
Sheet 4
LAW-7-2.17
109
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LEGENDS
PROPOSED
EXISTING/REMAIN
REMOVE/ABANDON

Sheet 5

E = 70.53'
TS STA. 196+19.13
SC STA. 198+44.13

CS STA. 211+91.27
ST STA. 214+16.27

Remove FTR Copper Cable, No live Pair

STA 209+43, 458' LT, BREC Pole remained, FTR Detach and Remove

STA 210+32, 162'LT,Remove BREC Pole 51Y33-1,FTR Detach and Remove

STA 210+30 22'LT,Remove FTR Pole and FTR Detach and Remove

STA 211+53, 66' RT Remove BREC Pole 51Y33 and Spans, FTR Drops attached, FTR Detach and Remove

STA 207+62,102' RT Remove BREC Pole 51Y31-LP and Spans,only service Drop attached, FTR Detach and remove

STA 208+43,52' RT, Pole, Remove BREC Pole 51Y31 and Spans, FTR Detach and Remove

Location 28
STA 210+43, 64' RT Remove BREC Pole 51Y32 and Spans, FTR Detach and Remove

STA 212+53, 255' RT Remove BREC Pole 51Y33 and Spans, FTR Drops attached, FTR Detach and Remove

Wooded Area
Trail
POND 3
Garage & Carport
1 Sty Brick Res. #229
2 Sty Frm Res. #208
Pool
Play Center
Tank
Shed
Grass
Asphalt
Conc.
Picket Fence
SAWCUT
FUTURE WESTBOUND LANES
CURVE NO. 3
N 74° 08' 47" E
NOISE WALL
CONSTRUCTION LIMITS
B.R.E.C. ESMT.
MATCH LINE STA. 207+00
MATCH LINE STA. 219+00
DITCH EROSION PROTECTION MAT, TYPE B (100' x 11' / 9 = 122.22 SY)
ROCK CHANNEL PROTECTION TYPE C WITH FILTER (290' x 13.5' x 1.5' / 27 = 217.5 CY)
SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT, TYPE 2 (205' x 14.5' / 9 = 330.28 SY)
15" TYPE F
- PROPOSED PAVEMENT
- PAVEMENT REMOVED
QUANTITIES ARE INCLUDED IN REFERENCE N
FOR THE REMOVAL OF EXISTING PAVEMENT
TO ENSURE A DRAINABLE SURFACE AND SEE
MULCHING OF THE AREA SHOWN.
NTITIES, SEE SHEETS 71-81
FILE, SEE SHEET 113
RM SEWER PROFILE, SEE SHEET 225
N LANE PLAN AND PROFILE, SEE SHEET 482
WOOD EXTENSION PLAN AND PROFILE, SEE SHEET 486
ERSECTION DETAILS, SEE SHEETS 624-625
ERDRAIN TABLES, SEE SHEETS 674-678
FFIC CONTROL PLAN, SEE SHEETS 713-733A
CE TABLES, SEE SHEETS 1039-1041

HORIZONTAL SCALE IN FEET
0 25 50 100
CALCULATED SLP
CHECKED ALB

PLAN - S.R. 7
STA. 207+00 TO STA. 219+00 (NORTH)
LAW-7-2.17
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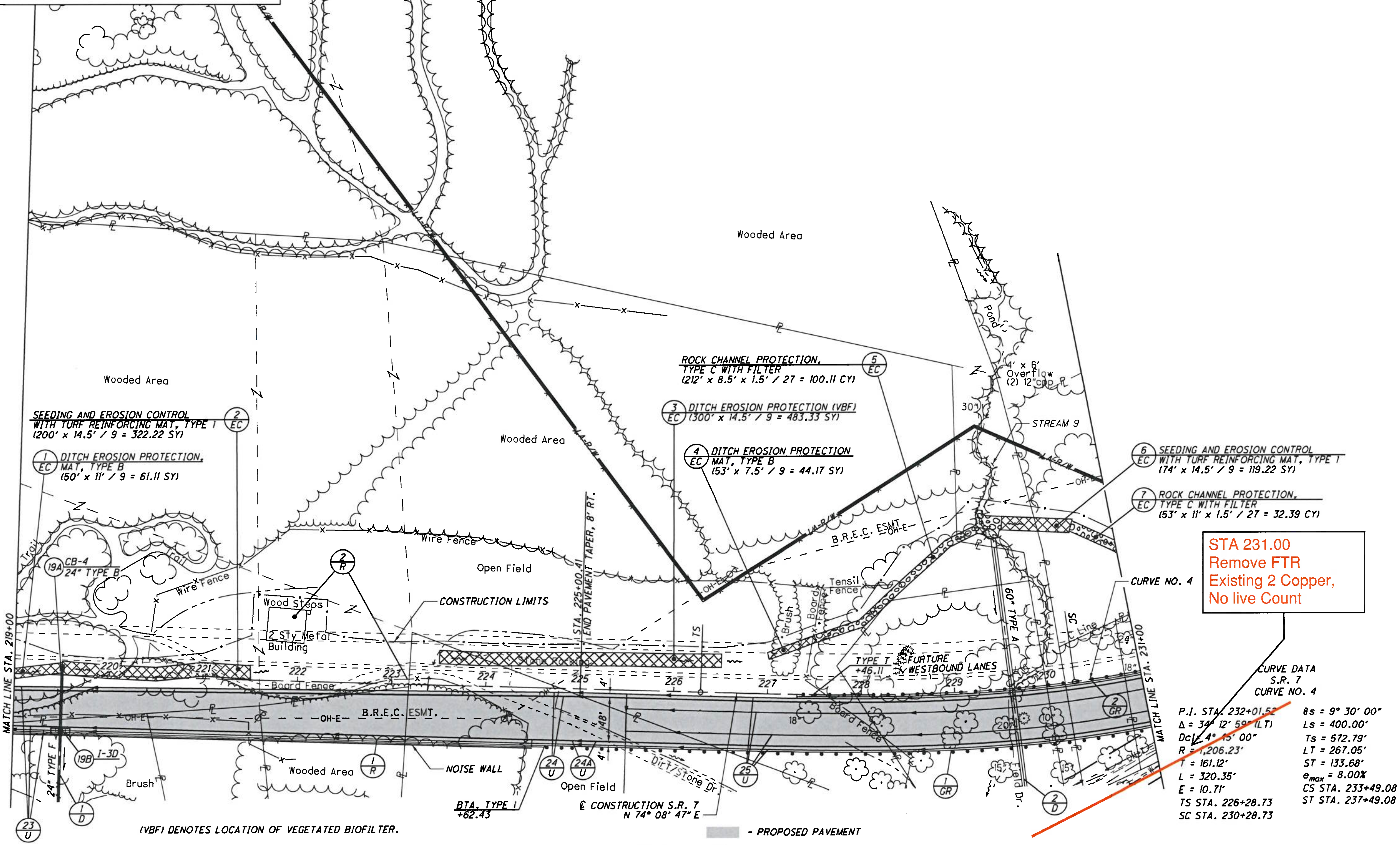
LEGENDS

PROPOSED
EXISTING/REMAIN
REMOVE/ABANDON

Sheet 6

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



(VBF) DENOTES LOCATION OF VEGETATED BIOFILTER.

- PROPOSED PAVEMENT

HORIZONTAL SCALE IN FEET 0 25 50 100

CALCULATED SLP CHECKED ALB

PLAN - S.R. 7
STA. 219+00 TO STA. 231+00 (NORTH)

LAW-7-2.17

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LEGENDS
PROPOSED
EXISTING/REMAIN
REMOVE/ABANDON

Sheet 7

STA 220+17, 290'RT,FTR Pole, FTR Detach and Remove

STA 223+22, 192'RT,FTR Pole, FTR Detach and Remove

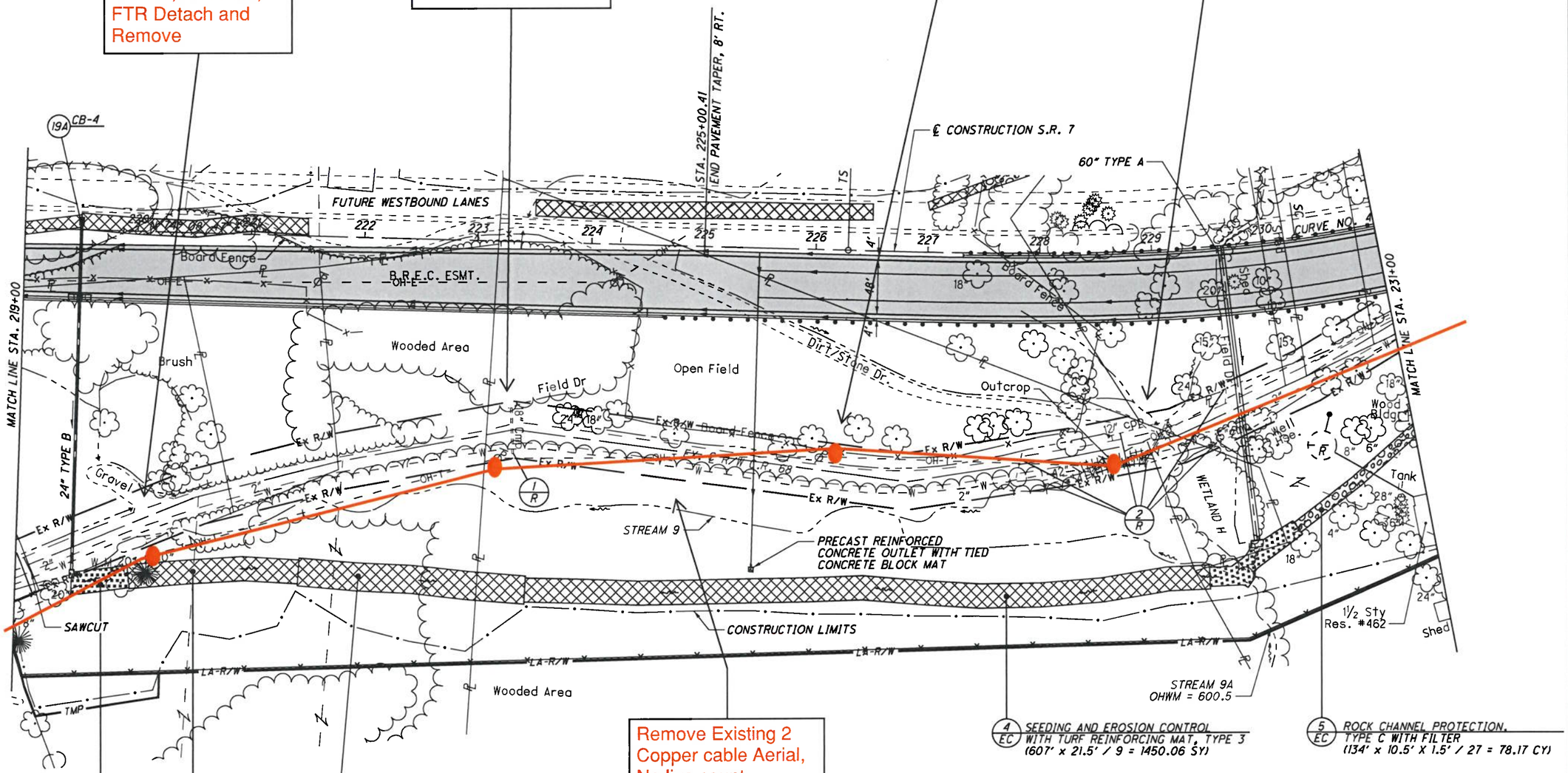
STA 226+07, 184' RT,FTR Pole, FTR Detach and Remove

STA 228+47, 190' RT,FTR Pole, FTR Detach and Remove

CURVE DATA
S.R. 7
CURVE NO. 4

P.I. STA. 232+01.52
Δ = 34° 12' 59" (LT)
D = 4° 45' 00"
R = 1,206.23'
T = 161.12'
L = 320.35'
E = 10.71'
CS STA. 226+28.73
SC STA. 230+28.73

θs = 9° 30' 00"
Ls = 400.00'
Ts = 572.79'
LT = 267.05'
ST = 133.68'
e_{max} = 8.00%
CS STA. 233+49.08
ST STA. 237+49.08



Remove Existing 2 Copper cable Aerial, No live count

ARTICULATING CONCRETE BLOCK REVETMENT SYSTEM, TYPE 1 (1 EC)
(50' x 20' / 9 = 111.11 SY)

SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT, TYPE 3 (2 EC)
(151' x 21.5' / 9 = 360.72 SY)

SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT, TYPE 1 (3 EC)
(200' x 25' / 9 = 555.56 SY)

SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT, TYPE 3 (4 EC)
(607' x 21.5' / 9 = 1450.06 SY)

ROCK CHANNEL PROTECTION, TYPE C WITH FILTER (5 EC)
(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

HORIZONTAL SCALE IN FEET
0 25 50 100

CALCULATED SLP
CHECKED ALB

PLAN - S.R. 7
STA. 219+00 TO STA. 231+00 (SOUTH)

LAW-7-2.17

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LEGENDS
PROPOSED
EXISTING/REMAIN
REMOVE/ABANDON

Sheet 8

STA 231+98, 97' T,Remove BREC Pole and Span,

STA 231+83, 60'R, FTR Pole, FTR Detach and Remove

STA 231+42,155' RT Remove BREC Pole 51Y39-1 and Spans,Service drops, FTR Detach and Remove

STA 231+75 ,238' RT,Remove BREC Pole and Span, FTR Detach and Remove

STA 232+12, 55' LT, Remove BREC Pole and Span,

STA 232+56 162' RT Remove BREC Pole 51Y39-2 and Spans, FTR Detach and Remove

STA 233+62, 33'R, FTR Pole, FTR Detach and Remove

STA 235+40, 30' RT, FTR Pole, FTR Detach and Remove

STA 238+16, 17' RT, FTR Pole, FTR Detach and Remove

STA 240+67, 8' LT, FTR Pole, FTR Detach and Remove

STA 242+90, 4'LT, FTR Pole, FTR Detach and Remove

Remove 2 Existing Aerial Copper Cable, No live Count

FOR QUANTITIES, SEE SHEETS 71-81
FOR PROFILE, SEE SHEET 118
FOR UNDERDRAIN TABLES, SEE SHEETS 674-678
FOR TRAFFIC CONTROL PLAN, SEE SHEETS 713-733A
FOR FENCE TABLES, SEE SHEETS 1039-1041

ROCK CHANNEL PROTECTION, TYPE C WITH FILTER (53' x 6' x 1.5' / 27 = 17.67 CY)

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

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

DITCH EROSION PROTECTION MAT, TYPE B (57' 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)

(LF) DESIGNATES LEACH FIELD

- PROPOSED PAVEMENT

CONSTRUCTION LIMITS

SEE DITCH TYPICAL SECTION THIS SHEET

EX. ℄ = 646.00

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

CALCULATED SLP
CHECKED ALB

HORIZONTAL SCALE IN FEET 0 25 50 100

PLAN - S.R. 7 STA. 231+00 TO STA. 243+00

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LEGENDS

PROPOSED
EXISTING/REMAIN
REMOVE/ABANDON

Sheet 9

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
ta. 12+93.43	P.I. Sta. 14+87.13	P.I. Sta. 16+43.83	P.I. Sta. 18+27.99
° 26' 21" (LT)	Δ = 52° 43' 55" (RT)	Δ = 30° 24' 24	
16° 22' 13"	Dc = 25° 27' 53"	Dc = 25° 27' 5	
50.00'	R = 225.00'	R = 225.00'	
5.45'	T = 111.52'	T = 61.15'	
L = 1,458.26'	L = 207.08'	L = 119.41'	
E = 162.33'	E = 26.12'	E = 8.16'	
TS STA. 250+20.45	PRC Sta. 13+75.60	PRC Sta. 15+8	
SC STA. 253+70.45	PRC Sta. 15+82.68	PRC Sta. 17+02.09	
L = 167.62'			
E = 10.28'			
PC Sta. 12+07.99			
PRC Sta. 13+75.60			

e_{max} = 7.10%
CS STA. 268+28.71
ST STA. 271+78.71

STA 246+32, 21'RT, Remove FTR Pole, FTR Detach and Remove

STA 250+28 48' RT, Remove FTR Pole, FTR Detach and Remove

STA 254+32, 14'R, AEP Pole, FTR Detach and Remove

(1 EC) ROCK CHANNEL PROTECTION, TYPE C WITH FILTER (53' x 13' x 1.5' / 27 = 38.28 CY)

SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT, TYPE 2 (350' X 21.5' /9 = 836.11 SY) (3 EC)

(2 EC) DITCH EROSION PROTECTION MAT, TYPE B (300' x 18' / 9 = 600 SY)

Wooded Area

Brush

STREAM 10

℄ CONSTRUCTION S.R. 7

℄ S.R. 7 RAB

℄ CURVE NO. 1

℄ CURVE NO. 2

℄ CURVE NO. 3

℄ CURVE NO. 4

℄ CURVE NO. 5

EX. ℄ R/W C.R. 68

CONSTRUCTION LIMITS

PROP. LUMINAIRE, TYP.

PROP. LIGHTING PULL BOX, TYP.

STA. 15+27.37 ℄ S.R. 7 RAB = STA. 10+00.95 S.R. 243

STA. 252+09.52 S.R. 7 = STA. 9+64.02 S.R. 243

STA. 247+00.00, S.R. 7, 26' RT = STA. 10+00.00, S.R. 7 RAB

54" TYPE B

54" TYPE C

15" TYPE C

15" TYPE F

30" stm

18" cmp

CB-4A

CB-3A

DETENTION BASIN NO. 3

DIKE SEE DETAIL

STREAM 10B OHWM = 621.8

Trail

Grass

Field Drive

N 39° 55' 47" E

N 39° 55' 41" E

MATCH LINE STA. 243+00

MATCH LINE STA. 255+00

(5 EC) SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT, TYPE 3 (500' x 18' / 9 = 1000 SY)

SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT, TYPE 3 (200' X 21.5' /9 = 477.78 SY) (6 EC)

623.86
20:1
12:1
PROP. DITCH (TYP)

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'.

Remove 2 Existing Aerial Copper Cable, No live Count

STA 253+58.6 ,84.4 RT, Remove AEP Pole.FTR Drop Attached, FTR Detach and Remove

(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)

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

HORIZONTAL SCALE IN FEET 0 25 50 100

CALCULATED SLP CHECKED ALB

PLAN - S.R. 7
STA. 243+00 TO STA. 255+00 (NORTH)

LAW-7-2.17

119
1247

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LEGENDS
PROPOSED
EXISTING/REMAIN
REMOVE/ABANDON

Sheet 10

Proposed AEP Pole

Location 33
AEP new Pole
STA 258+40.7,
712.3' LT,Install:55' 3
Propose FTR cable
on AEP Pole

Proposed 48 F Fiber
Aerial Cable

Location 32
AEP NEW Pole
STA 259+16.0,556.8
LT,Install: 65'3
Attach Propose FTR
cable on AEP Pole

Location 31
AEP New Pole
STA 260+9.7, 393.0
LT,Install: 60' 3
Attach Propose FTR
cable on AEP Pole

Location 30
AEP New Pole
STA 261+2.0, 221.8
LT,Install:65' 3
Attach Propose FTR
cable on AEP Pole

STA 265+84, 7' LT,
AEP Pole,FTR
Detach and Remove

STA 17+35,330' RT,
Existing AEP Pole,
Propose FTR cable
on AEP Pole

STA 19+56.2,
172'RT, Replaced
AEP Pole,Propose
FTR cable on AEP
Pole

STA 258+85, 41'
LT, Pole Remove
by AEP,FTR
Detach

STA 262+28, 10'
LT, AEP
Pole,FTR Detach
and Remove

STA 264+12, 2'
LT, AEP
Pole,FTR Detach
and Remove

STA 256+92, 56'
LT, AEP Pole,
FTR Detach and
Remove

Remove
Existing
12F fiber
Aerial

STA 255.08, 257' LT,
Remove FTR Pole

Remove 2 Existing
25 pair Aerial Copper
, No live Count.

STA 256.92, 56'
LT, Pole
Remove by AEP

STA 256.31, 32' LT,
FTR Pole, FTR
Detach and Remove

STA 258.64, 7'
RT, FTR Pole,
FTR Detach and
Remove

STA 260+48 17'
LT, AEP
Pole,FTR Detach
and Remove

Remove Existing 25
pair aerial copper, No
live count

CURVE DATA
P.I. STA. 261+89.75
Δ = 58° 46' 06" (RT)
Dc = 3° 15' 00"
R = 1,762.95'
θs = 5° 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 RAB
℄ CURVE NO. 4
P.I. Sta. 18+27.99
Δ = 31° 15' 43" (RT)
Dc = 12° 43' 57"
= 450.00'
= 125.90'
= 245.53'
= 17.28'
BC Sta. 17+02.09
ST Sta. 19+47.62

PLAN - S.R. 7
STA. 255+00 TO STA. 267+00 (NORTH)
LAW-7-2.17
122
1247

Remove Existing 25 pair aerial copper , No Live count

STA 256+92, 56' LT, AEP Pole, FTR Detach and Remove

STA 258+85, 41' LT, AEP Pole, FTR Detach and Remove

STA 260+48 17' LT,AEP Pole, FTR Detach and Remove

Propose 48F Aerial Fiber cable on propose power pole

STA 262+28, 10' LT, AEP Pole, FTR Detach and Remove

STA 262+38, 32'RT, Remove FTR Pole,FTR Detach

STA 264+12, 2' LT, AEP Pole, FTR Detach and Remove

STA 265+84, 7' LT, AEP Pole, FTR Detach and Remove

STA 266+99, 59' RT, AEP Pole,FTR Detach and Remove

STA 263+72 38'RT, Remove FTR Pole

STA 256+31, 32' LT, FTR Pole, FTR Detach and Remove

STA 258+64 7'RT,FTR Pole, FTR Detach and Remove

STA 260+63 15'RT, FTR Pole, FTR Detach and Remove

Location 29
AEP New Pole
STA 262+35,170.3 RT,
Install:60' 1,
Propose FTR cable on AEP Pole

Location 28
AEP New Pole
STA 263+80.4,175.3 RT,Install:50' 2
Propose FTR cable on AEP Pole

Location 27
AEP New Pole
STA 265+25.5,169.4 RT,Install:50' 2
Propose FTR cable on AEP Pole

Location 26
AEP New Pole
STA 266+69,152.6 RT,Install:50' 4
Propose FTR cable on AEP Pole

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 (800' x 18' / 9 = 1600 SY)

EX. ℄ R/W S.R. 243

MATCH LINE STA. 255+00

MATCH LINE STA. 267+00

CONSTRUCTION LIMIT

PRECAST REINFORCED CONCRETE OUTLET

STA. 260+00.00, S.R. 7, 32' RT. = STA. 23+20.27, S.R. 7 RAB

Wooded Area

Berry Patch

Brush

N 66° 04' 40" E

CURVE DATA
S.R. 7
CURVE NO. 5

P.I. STA. 261+89.75
Δ = 58° 46' 06" (RT)
Dc = 3° 15' 00"
R = 1,762.95'

θs = 5° 41' 15"
Ls = 350.00'
Ts = 1,169.30'
LT = 233.45'
= 116.78'
max = 7.10%
STA. 268+28.71
STA. 271+78.71

* (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.

LEGENDS
PROPOSED
EXISTING
REMOVE/ABANDON

Sheet 11

- PROPOSED PAVEMENT

FOR QUANTITIES, SEE SHEETS 71-81
FOR PROFILE, SEE SHEET 124
FOR PAVEMENT DETALS, 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

HORIZONTAL SCALE IN FEET 0 25 50 100

PLAN - S.R. 7
STA. 255+00 TO STA. 267+00 (SO

LAW-7-2.17

123
1247

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LEGENDS
PROPOSED
EXISTING
REMOVE/ABANDON

Sheet 12

Joint the Proposed buried Copper cable with Existing Copper cable at Existing FTR Pole ,Location 38.4585587, -82.414889

STA11+19
18' RT, FTR Pole, FTR Detach and Remove

STA11+14
12' RT, FTR Pole, FTR Detach and Remove

STA 268+45
30' LT, FTR Pole, FTR Detach and Remove

STA 268+40,
112'RT, Pole Remove by FTR

STA 266+99, 59' RT,AEP Pole, FTR Detach and Remove

STA 268+34,
117'RT, Pole Remove by FTR

STA 11+00,60' RT
Propose FTR pole, Height 50'
FTR cable propose on new pole

Proposed Aerial Cable on FTR proposed Pole

STA 271+02,157.9
RT
Existing: AEP Pole
45' 4

STA 269+33
140' RT,Propose FTR new Pole , Height 50'

Propose 48F Aerial Fiber cable on proposed power pole

STA 271+03
215' RT,FTR Pole Remained

Location 26
AEP New Pole
STA 268+88.6, 164.0 RT, Install: 50' 2,
Proposed FTR cable on AEP Pole

Existing 2 Aerial copper

Existing 12F fiber Aerial

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

4 EC DITCH EROSION PROTECTION MAT, TYPE B (50' x 14.5' / 9 = 80.56 SY)

℄ CONSTRUCTION C.R. 2

℄ CONSTRUCTION C.R. 118

℄ CONSTRUCTION C.R. 69

℄ CONSTRUCTION S.R. 7

FUTURE PHASE 2B

CONSTRUCTION LIMITS

EX. ℄ R/W C.R. 2

EX. ℄ R/W C.R. 118

EX. ℄ R/W C.R. 243

BENT CREEK

STREAM 10

STREAM 11
OHWM = 544.1

STREAM 12
OHWM = 538.7

OHWM = 539.1

OHWM = 529.9

CB-4A
54" TYPE C

BRIDGE NO. LAW-7-0510 22' MULTI-PLATE

TYPE E PON
1+62.82

CURVE NO. 5

CURVE NO. 6

SECTION 14
SECTION 15
SECTION 22

CS STA. 268+28.71
ST STA. 271+78.71
E = 4.63'
TS STA. 277+37.12
SC STA. 278+62.12
CS STA. 283+22.71
ST STA. 284+47.71

EROSION CONTROL
REINFORCING MAT, TYPE 3
9 = 416.67 SY)

SEEDING AND EROSION CONTROL
WITH TURF REINFORCING MAT, TYPE 2
(400' x 18' / 9 = 800 SY)

SEEDING AND EROSION CONTROL
WITH TURF REINFORCING MAT, TYPE 1
5' / 9 = 358.33 SY)

DITCH EROSION PROTECT
MAT, TYPE B
(91' x 11' / 9 = 111.22 SY)

DITCH T

CONTRACTOR TO FILL AND
INTO THE PROPOSED ROADS
ABOVE. THE FOLLOWING O
NUMBER 7-EC TO COMPLETE

ITEM 203 - EXCAVATION _ 262 CY
ITEM 659 - SEEDING AND M 242 SY

TYPE B WITH FILTER
(267' x 2.5' / 27 = 519.17 CY)

SED 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

HORIZONTAL SCALE IN FEET
0 25 50 100
CALCULATED SLP
CHECKED ALB

PLAN - S.R. 7
STA. 267+00 TO STA. 279+00
LAW-7-2.17
125
1247

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AEP New Pole
STA 281+25.8. 350.5
LT,Install:45' 5

STA 281+26
351' LT' LT, FTR
Pole, FTR Detach
and Remove

Remove 2 Existing
25 pair aerial Copper,
No live Count

Proposed
Underground FTR
copper cable

STA 280+57
160' RT, FTR
Pole, FTR
detach and
Remove

STA 281+83
179' RT, FTR
detach and
Remove

STA 282+71
250' LT, Remove
FTR Pole

New Pole
STA 282+65.7, 330.7
LT,Install:50' 3
FTR attach on new
AEP Pole

AEP New Pole
STA 282+69.6 ,280.7
LT, Propose FTR
cable rise up on
proposed AEP pole.

AEP New Pole
STA 282+82.2, 294.1 RT
Install:50' 4,FTR attach on
new AEP Pole

AEP New Pole
STA 283+1.4, 237.6
RT,Install:50' 4 , FTR
attach on new AEP Pole

STA 283+66
178' LT ,FTR Pole, FT
Detach and Remove

STA 283+29
200' RT, Remove FTR
Pole

AEP New Pole
STA 285+30.7, 362.9
LT Install:45' 5
FTR attach on new
AEP Pole

AEP New Pole
STA 287+53.0, 343.6 LT
Install:45' 4
FTR attach on new AEP
Pole

AEP New Pole
STA 289+75.2, 324.3
LT,Install:45' 4
FTR attach on new
AEP Pole

Proposed 25 pair
Aerial copper cable
at proposed power
pole.

Remove Existing 25
pair aerial and
propose the 25 pair
copper cable on
proposed power pole.

STA 284+48
22'RT, FTR Pole.
FTR Detach and
Remove

STA 287+87,59' LT, FTR
Pole. FTR Detach and
Remove

LEACH FIELD

CURVE DATA
S.R. 7
CURVE NO. 6
P.I. STA. 280+92.68
Δ = 5° 51' 21" (LT)
Dc = 1° 00' 00"
R = 5,729.58'
Θs = 0° 37' 30"
Ls = 125.00'
Ts = 355.56'
LT = 83.33'

MATCH LINE STA. 279+00
MATCH LINE STA. 291+00

DITCH EROSION PROTECTION
MAT. TYPE B
(150' x 14.5' / 9 = 241.67 SY)

DITCH EROSION PROTECTION
MAT. TYPE B
(452' x 11' / 9 = 552.44 SY)

FUTURE WESTBOUND LANES

CONSTRUCTION LIMITS

℄ CONSTRUCTION C.R. 2

℄ CONSTRUCTION S.R. 7

CURVE NO. 6

S 87° 09' 28" E

TYPE E PON
+84.21

- PROPOSED PAVEMENT

LEGENDS
PROPOSED
EXISTING
REMOVE/ABANDON

Sheet 13

PLAN - S.R. 7
STA. 279+00 TO STA. 291+00
LAW-7-2.17
127
1247

HORIZONTAL SCALE IN FEET
0 25 50 100
CALCULATED SLP
CHECKED ALB

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LEGENDS
PROPOSED
EXISTING
REMOVE/ABANDON

Sheet 14

Proposed 25 pair Copper Cable on proposed power pole.

AEP New Pole
STA 294+19.8 ,285.7
LT Install:45' 3
FTR attach on new AEP Pole

Existing 25 pair aerial copper

STA 296+41.5,266.4' LT,Replace 40'5 w/ 45'5 FTR Proposed pole, joint existing and proposed aerial cable at pole and remove conflicted FTR facilities.Replace the FTR Pole and shift the attachment on new pole.

AEP New Pole
STA 291+97.5 , 305.0 LT
Install: 60' 3,FTR attach on new AEP Pole

STA 292+06
161' LT, FTR Pole, FTR detach and Remove

STA 296+42
266' LT, Remove and install new FTR Pole

Remove Existing 25 pair aerial copper

2 EC SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT, TYPE 1
(451' x 14.5' / 9 = 726.61 SY)

3 EC ROCK CHANNEL PROTECTION, TYPE C WITH FILTER
(192' x 11.5' x 1.5' / 27

4 EC SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT, TYPE 1
(57' x 14.5' / 9 = 91.83 CY)

5 EC ROCK CHANNEL PROTECTION, TYPE C WITH FILTER
(93' x 12' x 1.5' / 27 = 62 CY)

A - STA. 300+78.70 BEGIN SHOULDER TAPER, 16' RT.
STA. 301+78.70 END SHOULDER TAPER, 12' RT.

- PROPOSED PAVEMENT

FOR QUANTITIES, SEE SHEETS 71-81
FOR PROFILE, SEE SHEET 130
FOR C.R. 69 PLAN AND PROFILE, SEE SHEETS 502-507
FOR STORM SEWER PROFILE, SEE SHEET 643
FOR UNDERDRAIN TABLES, SEE SHEETS 674-678
FOR TRAFFIC CONTROL PLAN, SEE SHEETS 713-733A
FOR STRUCTURES 20' AND OVER, SEE SHEETS 907-930
FOR FENCE TABLES, SEE SHEETS 1039-1041

HORIZONTAL SCALE IN FEET 0 25 50 100
CALCULATED SLP CHECKED ALB

PLAN - S.R. 7
STA. 291+00 TO 303+00

LAW-7-2.17

129
1247

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LEGENDS
PROPOSED
EXISTING
REMOVE/ABANDON

Sheet 15

Remove Existing 25 pair Aerial copper cable, No live count

STA 314+09
284' LT, Remove FTR Pole and detach attachment.

ROCK CHANNEL PROTECTION, TYPE C WITH FILTER (150' x 12.5' x 1.5' / 27 = 104.17 CY)

DITCH EROSION PROTECTI... (800' x 14.5' / 9 = 1288...

PC STA. 309+49.89 S.R. 7, 20' RT. BEGIN LANE TRANSITION

2 EC DITCH EROSION PROTECTION MAT, TYPE B (100' x 14.5' / 9 = 161.11 SY)

WETLAND J

Field Dr.

LA-R/W

CONSTRUCTION LIMITS

Wooded Area

SECTION 14
SECTION 23

℄ CONSTRUCTION S.R. 7
S 87° 09' 28" E

TYPE E PON +08.14

Outcrop

Open Field

Brush

Ex R/W

CB-8 15" TYPE C

Field Dr.

TYPE E PON +17.54

MATCH LINE STA. 303+00

MATCH LINE STA. 315+00

Dirt & Gravel

EX. ℄ R/W GUYAN-MCKINLEY SCHOOL RD. T.R. 164

OLD ℄ R/W GUYAN-MCKINLEY SCHOOL RD. T.R. 164

PRECAST REINFORCED CONCRETE OUTLET

4 EC DITCH EROSION PROTECTION MAT, TYPE B (50' x 11' / 9 = 61.11 SY)

5 EC DITCH EROSION PROTECTION (VBF) (800' x 11' / 9 = 977.78 SY)

STA. 314+65.11 TRANSITION NOSE

Field Dr.

Wooded Area

Open Field

CURVE DATA
S.R. 7 LANE TRANSITION
TRANSITION CURVE NO. 1
(FOR HORIZONTAL LAYOUT ONLY)

P.I. Sta. 311+12.46, S.R. 7, 20' RT.
Δ = 6° 29' 46" (LT)
Dc = 2° 00' 00"
R = 2,864.79'
T = 162.58'
L = 324.81'
E = 4.61'
e_{max} = NC
PC STA. = 309+49.89, S.R. 7, 20' RT.
PT STA. = 312+74.00, S.R. 7, 1.61' RT.

(A) - STA. 309+49.89 BEGIN SHOULDER TAPER, 12' RT.
STA. 309+99.71 END SHOULDER TAPER, 9.57' RT.

- PROPOSED PAVEMENT

(VBF) DENOTES LOCATION OF VEGETATED BIOFILTER.

FOR QUANTITIES, SEE SHEETS 71-81
FOR PROFILE, SEE SHEET 132
FOR PAVEMENT DETAILS, SEE SHEET 610
FOR STORM SEWER PROFILE, SEE SHEET 644
FOR UNDERDRAIN TABLES, SEE SHEETS 674-678
FOR TRAFFIC CONTROL PLAN, SEE SHEETS 713-733A
FOR FENCE TABLES, SEE SHEETS 1039-1041

HORIZONTAL SCALE IN FEET
0 25 50 100
CALCULATED SLP
CHECKED ALB

PLAN - S.R. 7
STA. 303+00 TO STA. 315+00

LAW-7-2.17

131
1247

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LEGENDS
PROPOSED
EXISTING
REMOVE/ABANDON

Sheet 16

Proposed 96 F fiber and 100 pair copper cable on Proposed Power pole and joint at location 38.4519852, -82.3755655 in north side existing power pole.

Location 88
AEP New Pole
STA 384+8.6, 355.7' LT,
Install:-65'3,FTR Propose on new AEP Pole

Location 89
New Push Pole
STA 384+31.3,361.6 LT
Install:65'3,DS410
Note: Push pole base to be at least 10 feet off edge of road.

Location 87
New Push Pole
STA 385+63.0,149.2' LT
Install:60' 2

Location 86
AEP New Pole
STA 385+43.8 ,138.7' LT
Install: 60' 2
FTR Propose on new AEP Pole

CURVE DATA
S.R. 7
CURVE NO. 9
$\theta s = 3° 44' 12"$
$Ls = 300.00'$
$Ts = 1,128.77'$
$LT = 200.04'$
$ST = 100.04'$
$e_{max} = 6.20\%$
CS STA. 394+68.00
ST STA. 397+68.00

(A) - STA. 383+90.72 S.R. 7, 69' LT.
END PAVEMENT TAPER =
ST STA. 383+90.72 RAMP J
BEGIN RAMP
RAMP NOSE

CONSTRUCTION LIMITS
DETENTION BASIN #4
CB2-2B
15" TYPE C
SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT, TYPE I (123' x 7.5' / 9 = 102.5 SY)
PROP. LUMINAIRE, TYP.
CB2-2B 15" TYPE B
BRIDGE NO. LAW-7-0713 L&R
PROP. PULL BOX
WETLAND
STA. 381+38.36 S.R. 7 = STA. 56+77.91 S.R. 775
BTA, TYPE 1 +39.68
BTA, TYPE 1 +17.76
CB-8
STREAM 17 OHWM = 568.3
24" TYPE A
Rock Channel
WATERLINE ABANDONDED
℄ RAMP J TYPE E HQN +58.55
STREAM 17
MATCH LINE STA. 375+00
S 65° 44' 01" E 376
BTA, TYPE 2 +57.19
BTA, TYPE 1 +38.06
BTA, TYPE 1 +27.70
BTA, TYPE 2 +08.36
15" TYPE B
BTA, TYPE 2 +93.59
CB-5
OHWM = 542.2
BTA, TYPE 2 +04.40
STREAM 16
℄ RAMP I
S 52° 05' 53" E 319
WETLAND N
Rock Channel
TYPE T +82.30
TYPE T +52.22
CB-5A
EX. S.R. 1
BRIDGE NO. LAW-775-0105
DITCH EROSION PROTECTION (VBF) (421' x 11' / 9 = 514.56 SY)
IMPACT ATTENUATOR, TYPE I +21.79
BARRIER DESIGN
℄ RAMP L
NOISE WALL
CONSTRUCTION LIMITS
LITTLE PADDY CREEK
SIGNAL STRAIN POLE WITH LUMINAIRE (TYP.)
SIGNAL STRAIN POLE (TYP.)
℄ CONSTRUCTION S.R. 775
Wooded Area
Brush
Asphalt
EX. S.R. 775
Pool
Shed
Sty
Brks
#61
Res.
Conc
WALNUT ST.

(2 EC) DITCH EROSION PROTECTION MAT, TYPE B (681'x 7.5' / 9 = 567.5 SY)

(3 EC) SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT, TYPE I (101' x 7.5' / 9 = 84.17 SY)

(5 EC) ROCK CHANNEL PROTECTION, TYPE C WITH FILTER (107' x 7.5' x 1.5' / 27 = 44.58 CY)

(6 EC) 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

HORIZONTAL SCALE IN FEET
0 25 50 100
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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Remove Existing 300&100 Pair Aerial Copper cable and 24 F Fiber cable

STA 387+87, 153' LT, FTR Pole, FT Detach and Remove

Proposed 96 F fiber and 100 pair copper cable aerial on Proposed AEP Power pole and joint the proposed cable at location 38.4472664, -82.3759723 South Side.

STA 387+55, 209.6' RT, AEP Pole Remained, FTR attachment will be remained

Location 100
STA 388+12.8, 475.8 LT, AEP Pole, FTR
Detach and remove

CURVE DATA
S.R. 7
CURVE NO. 9

P.I. STA. 387+47.15
Δ = 46° 04' 34" (LT)
Dc = 2° 29' 28"
θs = 3° 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

L = 429.22'
E = 4.02'
e_{max} = 2.90%
PC STA. = 397+68.00
PT STA. = 401+97.22

LEGENDS
PROPOSED
EXISTING
REMOVE/ABANDON

Sheet 17

HORIZONTAL SCALE IN FEET 0 25 50 100

CALCULATED SLP CHECKED ALB

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

LAW-7-2.17

146
1247

Ⓐ - STA. 392+40.09 S.R. 7 BEGIN PAVEMENT TAPER, 69' RT. = STA. 392+40.09 RAMP L RAMP NOSE END RAMP

Ⓑ - P.C. STA. 397+68.00 BEGIN ℄ WESTBOUND LANES = S.T. STA. 397+68.00, S.R. 7, 20' LT.

Ⓒ - 5:1 SAWCUT TAPER TO MEET EXISTING SHOULDER WIDTH.

1/EC DITCH EROSION PROTECTION MAT, TYPE B (1000' x 7.5' / 9 = 833.33 SY)

2/EC DITCH EROSION PROTECTION MAT, TYPE B (50' x 7.5' / 9 = 41.67 SY)

4/EC SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT, TYPE 2 (50' x 14.5' /9 = 80.56 SY)

3/EC SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT, TYPE 2 (546' x 21.5' /9 = 1304.33 SY)

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

NOTE: ℄ WESTBOUND LANES SHOWN FOR HORIZONTAL ALIGNMENT ONLY

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

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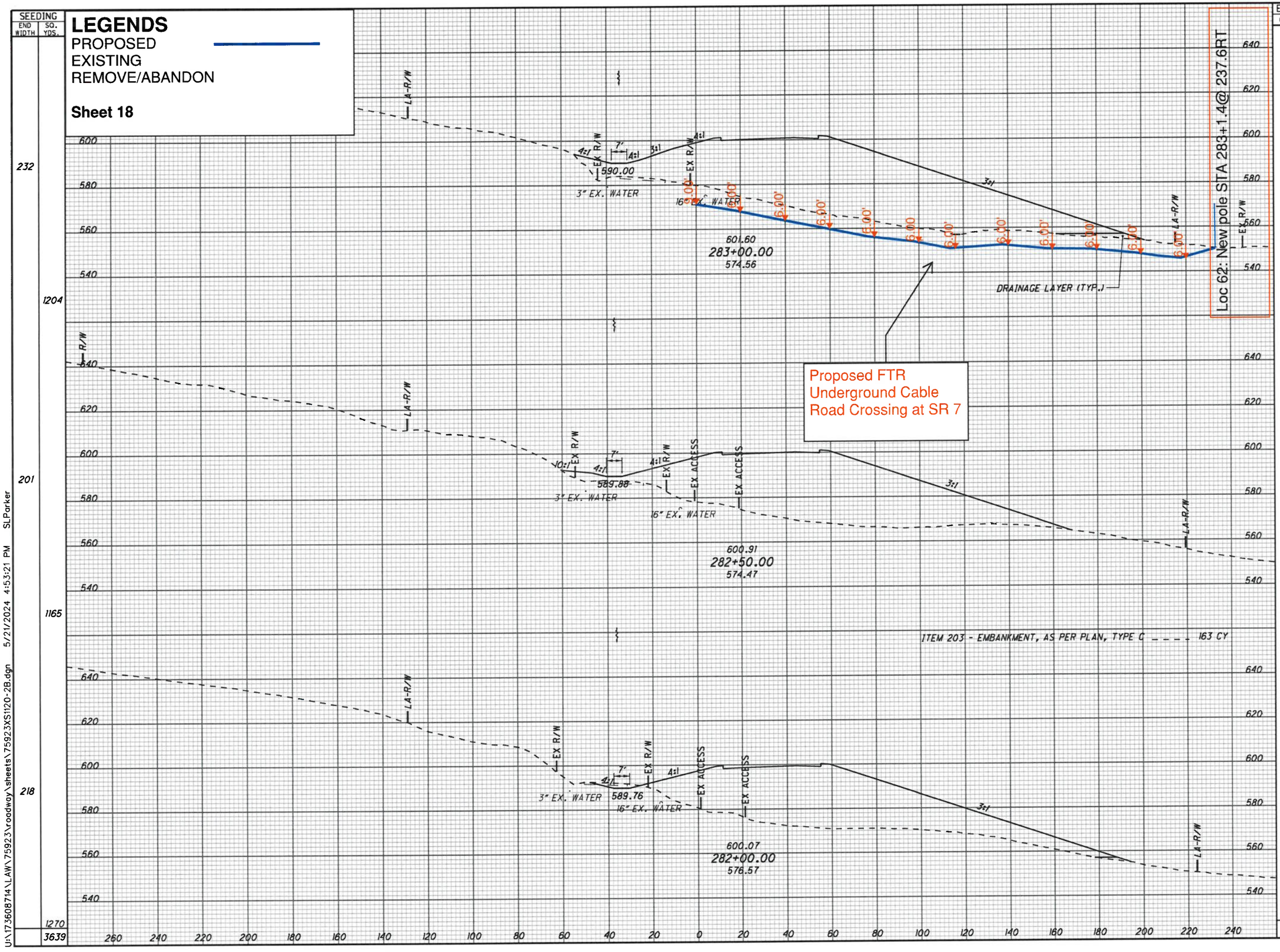
SEEDING END WIDTH	SEEDING SQ. YDS.
	232
	1204
	201
	1165
	218
	1270
	3639

LEGENDS

PROPOSED
EXISTING
REMOVE/ABANDON

Sheet 18



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

CALCULATED SLP
CHECKED ALB

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

LAW-7-2.17

282
1247

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Proposed 96 F fiber and 100 pair copper cable aerial on Proposed Power pole and joint at location 38.4519852, -82.3755655 north side existing power pole.

Location 88
AEP New Pole
STA 384.8.6,355.7' LT,
Install:-65.3,FTR propose on new EP Pole

Location 86
AEP New Pole
STA 385+43.8,138.7' LT
Install: 60' 2
FTR propose on new EP Pole

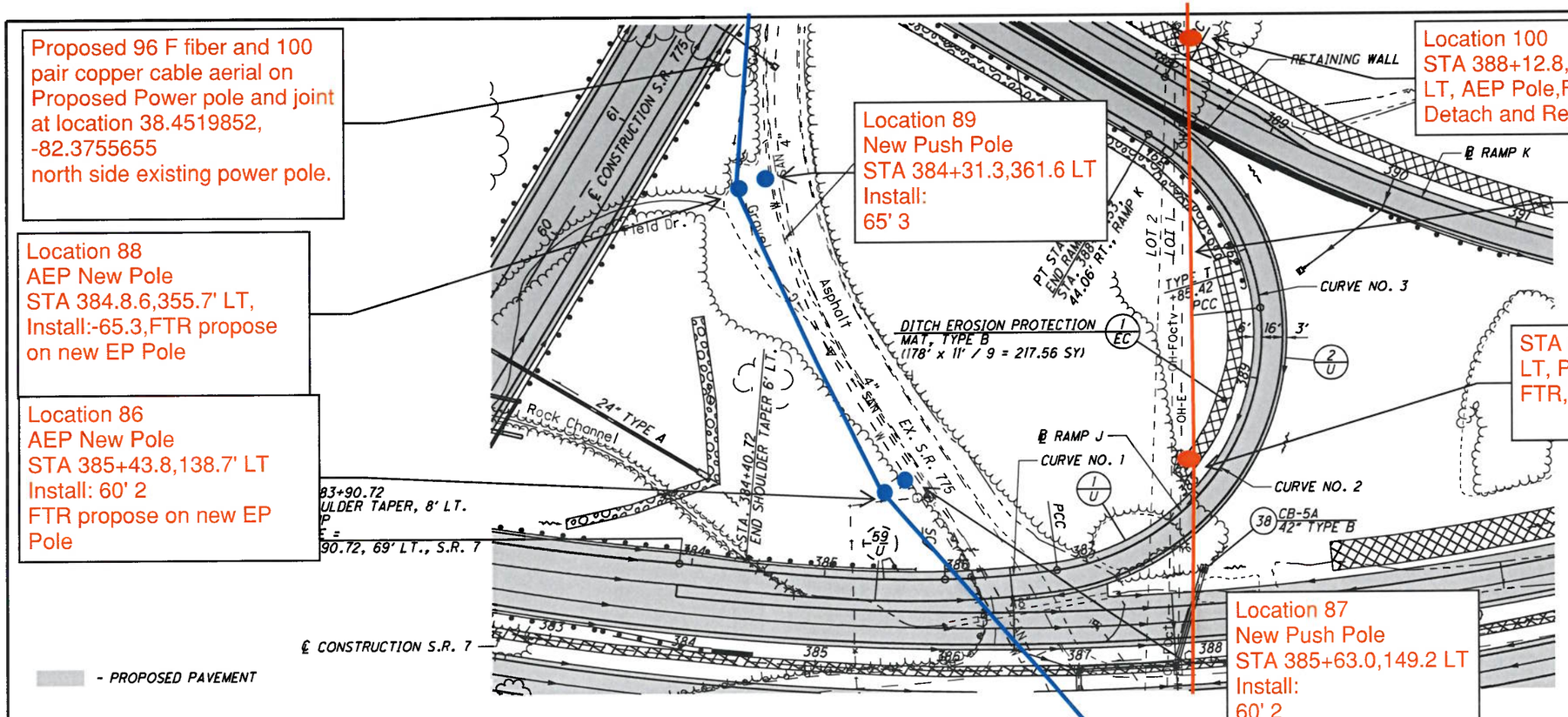
Location 89
New Push Pole
STA 384+31.3,361.6 LT
Install:
65' 3

Location 100
STA 388+12.8, 475.8' LT, AEP Pole,FTR Detach and Remove

Remove Existing 300&100 Pair Aerial Copper Cable and 24 F fiber cable

STA 387+87, 153' LT, Pole Remove by FTR,

Location 87
New Push Pole
STA 385+63.0,149.2 LT
Install:
60' 2



CURVE DATA
RAMP J
CURVE NO. 1

P.I. STA. 385+74.87
= 13° 53' 07" (LT)
Dc = 7° 30' 00"
R = 763.94'
θ_{back} = 7° 30' 00"
L_{back} = 200.00'
T_{back} = 184.15'
LT = 133.45'
ST = 66.78'
e_{max} (N.D.C.) = 8.00%
e_{max} = 6.20%
PCC STA. 386+75.86

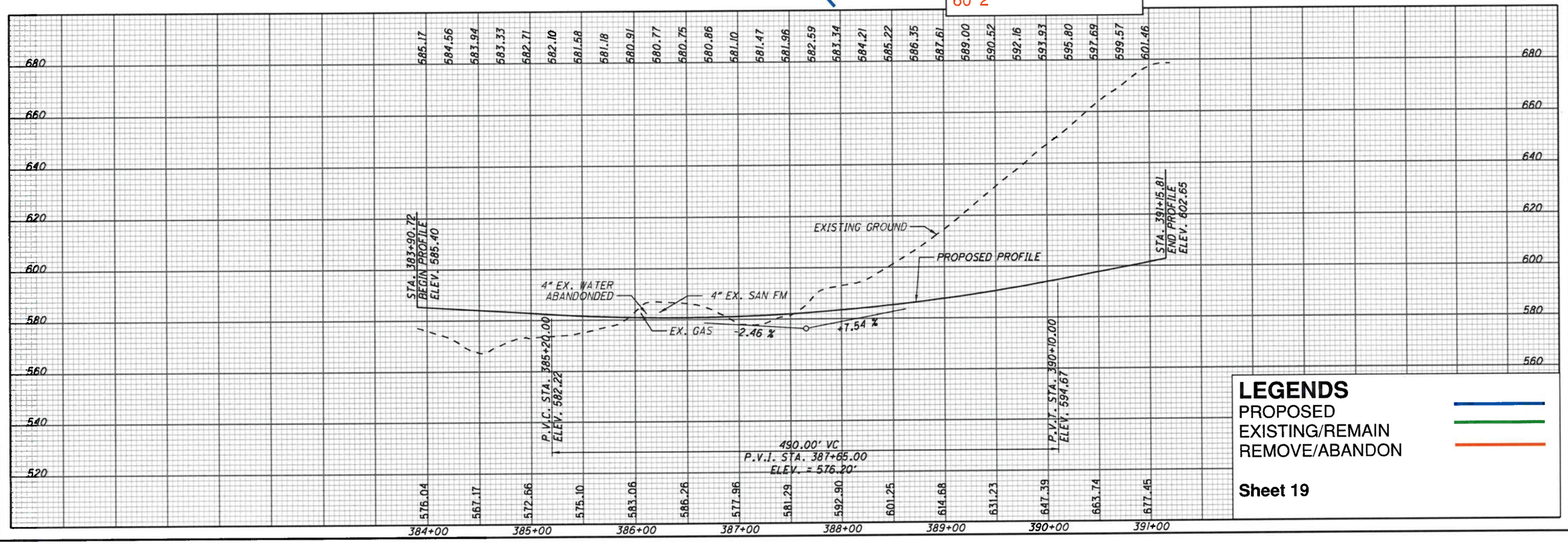
CURVE DATA
RAMP J
CURVE NO. 2

388+50.86
15" (LT)
52"
E = 11.05'
e_{max} = 7.66%
PCC Sta. 386+75.86
PCC Sta. 389+53.54

CURVE DATA
RAMP J
CURVE NO. 3

P.I. Sta. 390+41.04
Δ = 53° 07' 48" (LT)
Dc = 32° 44' 26"
R = 175.00'
T = 87.50'
L = 162.28'
E = 20.66'
e_{max} = 7.73%
PCC Sta. 389+53.54
PT Sta. 391+15.81

FOR QUANTITIES, SEE SHEETS 71-81
FOR S.R. 7 PLAN & PROFILE, SEE SHEETS 144-147
FOR RAMP K PLAN AND PROFILE, SEE SHEETS 442-444
FOR S.R. 775 PLAN & PROFILE, SEE SHEETS 559-560
FOR INTERCHANGE DETAILS, SEE SHEETS 619-621
FOR STORM SEWER PROFILE, SEE SHEET 645
FOR CULVERT DETAILS, SEE SHEET 664
FOR UNDERDRAIN TABLES, SEE SHEETS 674-678
FOR RETAINING WALL DETAILS, SEE SHEETS 706-712
FOR TRAFFIC CONTROL PLAN, SEE SHEETS 713-733A
FOR FENCE TABLES, SEE SHEETS 1039-1041



LEGENDS
PROPOSED
EXISTING/REMAIN
REMOVE/ABANDON

Sheet 19

PLAN AND PROFILE
RAMP J

LAW-7-2.17

437
1247

CALCULATED SLP
CHECKED ALB

HORIZONTAL SCALE IN FEET

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Location 105
STA 67+38.5, 39.8 LT,AEP Pole, FTR detach and Remove

Location 104
STA 68+87.0, 54.1 LT,AEP Pole, FTR detach and Remove

Location 102
STA 68+8.4,82.1' RT, AEP Pole, FTR detach and Remove

Location 107
STA 66+43.3, 30.4 LT Remove by AEP, FTR Detach and remove

Remove 1 Fiber cable and 2 copper cable

Location 106
STA 66+96.1, 129.1 LT Remove by AEP,FTR not attached

Location 101
STA 387+19.2,186.6' LT,AEP Pole, FTR detach and Remove

Location 100
STA 388+12.8, 475.8' LT, AEP Pole, FTR detach and Remove

Location 109
TA 65+35.6, 85.4
T,AEP Pole, FTR
tach and Remove

Location 108
STA 65+45.1, 25.1
LT,AEP Pole, FTR
detach and Remove

LEGENDS
PROPOSED
EXISTING/REMAIN
REMOVE/ABANDON

Sheet 20

E = 142.02'
e_{max} = 6.30%
PC STA. 388+09.33
PCC STA. 398+95.76

HORIZONTAL SCALE IN FEET
0 25 50 100

CALCULATED SLP CHECKED ALB

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

LAW-7-2.17

442/1247

CONSTRUCTION LIMITS

2 EC DITCH EROSION PROTECTION (VBF) (793' X 14.5' / 9 = 1277.61 SY)

3 EC DITCH EROSION PROTECTION MAT, TYPE B (450' X 14.5' / 9 = 725 SY)

SIGNAL STRAIN POLE WITH LUMINAIRE (TYP.)

Wooded Area

Rock Channel

CB-4 27" TYPE C 42A

42" TYPE B

STA. 384+75.56
BEGIN RAMP =
STA. 63+36.00
S.R. 775

S 56° 38' 23" E

CURVE NO. 1

℄ RAMP K

RAMP J

TYPE E PON +86.39

Brush

Rock

WATERLINE ABANDONDED

℄ CONSTRUCTION S.R. 775
N 33° 21' 37" E

ROCK CHANNEL PROTECTION, TYPE D WITH FILTER (280' X 7.5' X 1' / 27 = 77.78 CY)

STA. 388+20.53
44.06' RT.
PT STA. 391+15.81
RAMP J
END RAMP

PRECAST REINFORCED CONCRETE OUTLET WITH TIED CONCRETE BLOCK MAT

RETAINING WALL

MATCH LINE STA. 398+00

℄ CONSTRUCTION S.R. 7

(A) STA. 389+88.76
BEGIN SHOULDER TAPER, 20' RT.
STA. 389+93.76
END SHOULDER TAPER, 19' RT.

(B) - BTA, TYPE 1 +86.30

(C) STA. 385+63.29
BEGIN PAVEMENT TAPER, 48' RT.
STA. 386+03.29
END PAVEMENT TAPER, 44' RT.

(D) STA. 385+46.34
BEGIN PAVEMENT TAPER, 13' LT.
STA. 386+96.34
END PAVEMENT TAPER, 8' LT.

(VBF) DENOTES LOCATION OF VEGETATED BIOFILTER.

1/GR - INCLUDES 62.5' OF 46' RADIUS SHOP CURVED GUARDRAIL

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

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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LEGENDS

PROPOSED

EXISTING/REMAIN

REMOVE/ABANDON

Sheet 21

SEEDING END WIDTH	SEEDING SQ. YDS.
50	245
39	207
36	100
0	124
44	
	676

END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
45	122	86	142
47	31	90	31
49	1	46	2
0	0	88	0
95	0		
		310	175

CALCULATED SLP

CHECKED ALB

CROSS SECTIONS C.R. 32

STA. 10+00.0 TO STA. 12+00.00

LAW-7-2.17

479/1247

Proposed FTR Buried cable

EX. 4" WATER

MATCH LINE S.R. 7

EX R/W

4:1

558.33

12+00.00

558.33

556.29

554.68

Proposed FTR Buried cable

PROP. MSE WALL (TYP.)

557.93

560.45

11+50.00

560.45

558.04

Proposed FTR Buried cable

561.55

11+00.00

561.55

559.14

Proposed FTR Buried cable

MATCH LINE DOGWOOD EXTENSION

562.11

10+50.00

562.11

Proposed FTR Buried cable

TMP

LA-R/W

562.72

10+00.00

562.72

BEGIN WORK

STA. 10+00.00

CB-5

T/C = 559.67

℄ 18" TYPE B = 556.37

Proposed FTR Buried cable

580

560

540

260 240 220 200 180 160 140 120 100 80 60 40 20 0 20 40 60 80 100 120 140 160 180 200 220 240

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SEEDING	
END WIDTH	SQ. YDS.
44	82
45	297
113	546
83	369
	1294

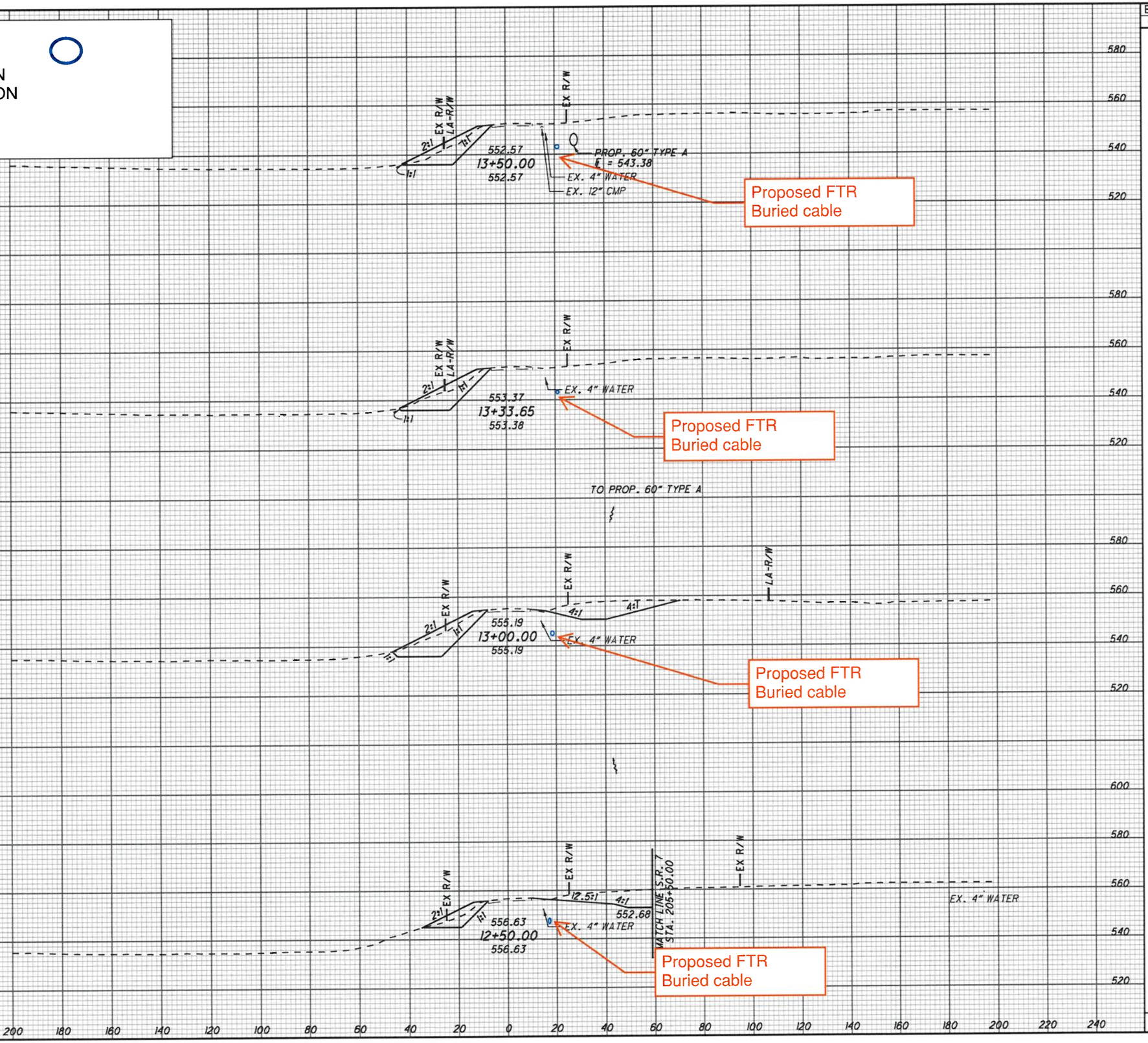
LEGENDS

PROPOSED

EXISTING/REMAIN

REMOVE/ABANDON

Sheet 22



END AREA		VOLUME	
CUT	FILL	CUT	FILL
140	209	92	133
161	229	374	309
439	267	639	352
251	113	274	218
		1379	1012

CALCULATED ALB

CHECKED TCM

CROSS SECTIONS C.R. 32
STA. 12+50.00 TO STA. 13+50.00

LAW-7-2.17

480
1247

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SEEDING END WIDTH	SEEDING SQ. YDS.
0	98
35	209
40	234
	541

LEGENDS

PROPOSED

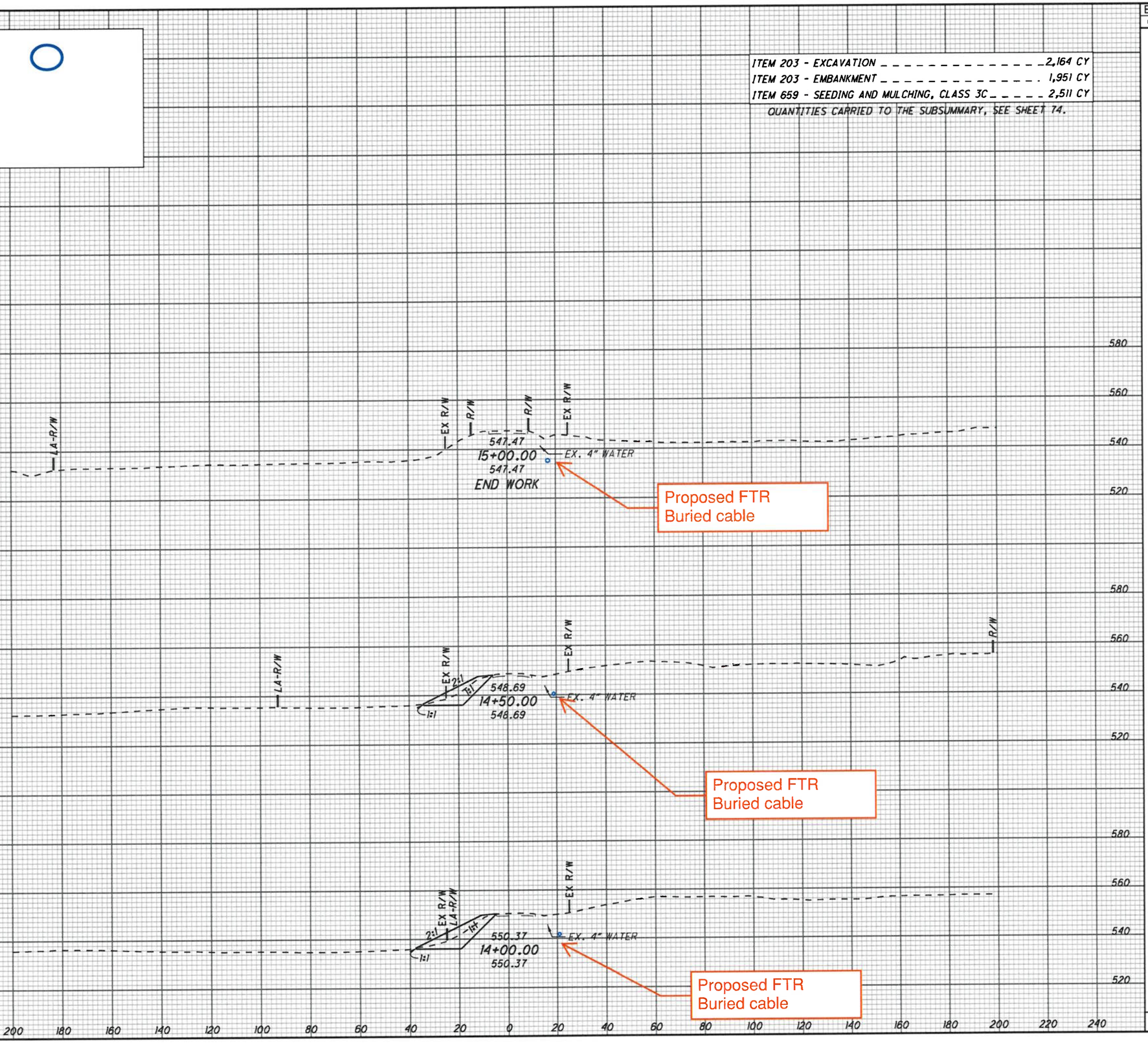
EXISTING/REMAIN

REMOVE/ABANDON

Sheet 23

ITEM 203 - EXCAVATION _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ 2,164 CY
ITEM 203 - EMBANKMENT _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ 1,951 CY
ITEM 659 - SEEDING AND MULCHING, CLASS 3C _ _ _ _ _ _ 2,511 CY

QUANTITIES CARRIED TO THE SUBSUMMARY, SEE SHEET 74.



END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
0	0		
		80	125
86	134		
		173	285
100	173		
		222	354
		475	764

CALCULATED SLP

CHECKED ALB

CROSS SECTIONS C.R. 32

STA. 14+00.00 TO STA. 15+00.00

LAW-7-2.17

481
1247

SLParker

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Location 22
STA 203+90, 340' LT
Existing BREC Pole
51Y30-1-A
Remove back Span to Loc 19

3 Existing Aerial copper cable

STA 204+10,
295'LT, Remain
FTR Pole, Joint the
proposed copper
cable at this
Existing pole.

STA 14+90, 25' RT,
CR 32 CL

STA 204+34
158' LT Remove
FTR Pole

3 Existing
Copper Aerial
need to remove

STA 12+88, 23' R,
CR 32 CL

Proposed 25 pair
Buried Copper cable
in Road Crossing

LEGENDS
PROPOSED
EXISTING/REMAIN
REMOVE/ABANDON

Sheet 24

3 EC ROCK CHANNEL PROTECTION, TYPE C WITH FILTER (55' x 5' x 1.5' / 27 = 15.28 CY)

T = 56.85'
L = 111.80'
E = 6.38'
e_{max} (N.D.C.) = 8.00%
e_{max} = NC
PC STA.
PT STA.

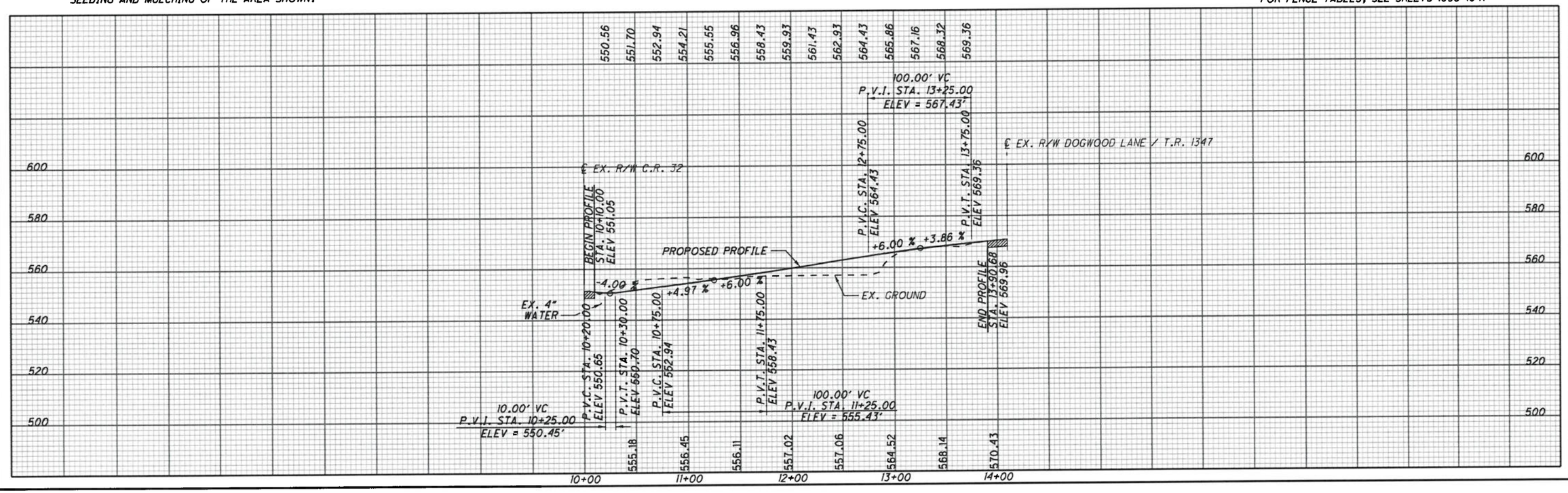
℄ EX. R/W C.R. 32
℄ EX. R/W DOGWOOD LN. /T.R. 1347
STA. 10+00.00 BEGIN WORK
STREAM 8
CONSTRUCTION LIMITS R/W
LYNN LA
60" TYPE A
DETENTION BASIN #2
TYPE E PON +86.88
TYPE E PON +86.25
℄ CONSTRUCTION S.R. 7
PROP. S.R. 7 WESTBOUND LANES
℄ R/W LYNN LANE
STA. 14+05.59 END WORK
SAWCUT
Picket Fence
Ex R/W
Asphalt
Grass
Conc.
2 Sty Frm Res. #208
Pool
Play Center
Shed
Tank
Ex. Esmt
T.R. 1489
N 32° 04' 43" E
N 57° 43' 05" E

1 GR - INCLUDES 50' OF 34' RADIUS SHOP CURVED GUARDRAIL

PAVEMENT REMOVED
QUANTITIES ARE INCLUDED IN REFERENCE NUMBER 3-R FOR THE REMOVAL OF EXISTING PAVEMENT, REGRADING TO ENSURE A DRAINABLE SURFACE AND SEEDING AND MULCHING OF THE AREA SHOWN.

- PROPOSED PAVEMENT

FOR QUANTITIES, SEE SHEETS 71-81
FOR S.R. 7 PLAN & PROFILE, SEE SHEETS 109-112
FOR INTERSECTION DETAILS, SEE SHEET 624
FOR CULVERT DETAILS, SEE SHEET 657
FOR DETENTION BASIN DETAILS, SEE SHEETS 666 & 671
FOR TRAFFIC CONTROL PLAN, SEE SHEETS 713-733A
FOR FENCE TABLES, SEE SHEETS 1039-1041



HORIZONTAL SCALE IN FEET 0 25 50 100
CALCULATED SLP
CHECKED ALB

PLAN AND PROFILE
LYNN LANE

LAW-7-2.17

482
1247

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LEGENDS
PROPOSED
EXISTING/REMAIN
REMOVE/ABANDON

Sheet 25

E = 4.90'
e_{max} = N/C
PC STA. 10+11.28
PT STA. 11+50.72

STA 205+38, 15' RT, Pole Remove by BREC,FTR Detach

STA 210+20 22'LT,Remove FTR Pole

Existing 25 pair Aerial Remove this cable, No Live count

STA 205+03, 48'RT Remove FTR Pole

Location 29 STA 211+53, 66' RT,Remove BREC Pole 51Y33 and Spans, FTR Detach and Remove

STA 11+00, 23'RT, CR 32 CL

Proposed 25 pair Buried Copper cable in Road Crossing within county road 32 ROW

Location 28 STA 210+43, 64' RT,Remove BREC Pole 51Y32 and Spans, FTR Detach and Remove

STA 10+17, 24'RT, CR 32 CL

STA 207+62, 102' RT,Remove BREC Pole 51Y31-LP and Spans, FTR Detach and Remove service Drops

Location 27 STA 208+43, 52' RT Remove BREC Pole 51Y31 and Spans, FTR Detach

STA 206+53, 290' RT, BRAC Pole Remain, Joint the proposed copper cable with existing copper cable at location

BRIDGE NO. LAW-7-0387
SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT, TYPE I (325' X 7.5' / 9 = 270.83 SY)
NOISE WALL
CURVE NO. 1
CONSTRUCTION LIMITS
SAWCUT
STA. 13+46.62 END WORK
15" TYPE B
CB-5
Mobile Home
Shed
Gravel
DOGWOOD LN.
STA. 10+00.00 DOGWOOD EXTENSION = STA. 10+43.77 C.R. 32 BEGIN WORK
℄ CONSTRUCTION DOGWOOD LANE EXTENSION
℄ R/W & CONSTRUCTION C.R. 32
DITCH EROSION PROTECTION MAT, TYPE B (126' X 7.5' / 9 = 105 SY)
- PROPOSED PAVEMENT

250.00' VC
P.V.I. STA 12+05.00
ELEV = 570.79'
℄ EX. R/W DOGWOOD LANE / T.R. 1347
BEGIN PROFILE STA. 10+05.78 ELEV 561.89
P.V.C. STA. 10+80.00 ELEV 564.54
P.V.T. STA. 13+30.00 ELEV 572.97
END PROFILE STA. 13+46.62 ELEV 573.27
-2.00 %
+5.00 %
+1.75 %
P.V.C. STA. 10+16.00 ELEV 561.69
P.V.T. STA. 10+26.00 ELEV 561.84
10' VC
P.V.I. STA 10+21.00
ELEV = 561.59'

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

HORIZONTAL SCALE IN FEET
CALCULATED SLP
CHECKED ALB

PLAN AND PROFILE
DOGWOOD LANE EXTENSION
LAW-7-2.17
486
1247

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LEGENDS
PROPOSED
EXISTING/REMAIN
REMOVE/ABANDON

Sheet 26

L = 35.95'
E = 0.54'
e_{max} = 1.60%
PC Sta. 10+85.87
PRC Sta. 11+21.82

L = 154.40'
E = 4.61'
e_{max} = 1.60%
PRC Sta. 11+21.82
PCC Sta. 12+76.21

L = 37.18'
E = 0.49'
e_{max} = 1.60%
PCC Sta. 12+76.21
CS Sta. 13+13.39

CURVE DATA
S.R. 243
CURVE NO. 4

P.I. Sta. 15+51.11
Δ = 5° 37' 36" (LT)
Dc = 1° 30' 00"
R = 3,819.72'
T = 137.62'
L = 275.13'
E = 2.48'
TS STA. 13+13.39
SC STA. 14+13.39

θs = 00° 45' 00"
Ls = 100.00'
Ts = 237.72'
LT = 66.67'
ST = 33.33'
e_{max} = 3.50%
CS Sta. 16+88.52
ST Sta. 17+88.52

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 [illegible] SHEETS 667 & 672
FOR [illegible] 674-678
FOR [illegible] SHEETS 713-733A
FOR [illegible] 1039-1041

Joint the existing fiber cable at Proposed FTR pole, location 38.4581544, -82.422323 with proposed Aerial fiber,and remove the conflicted pole.

(A) STA. 13+07.06
BEGIN SHOULDER TAPER, 20.02' LT.
STA. 13+15.05
END SHOULDER TAPER, 22' LT.

(B) STA. 13+06.93
BEGIN SHOULDER TAPER, 31.95' RT.
STA. 13+14.93
END SHOULDER TAPER, 34' RT.

STA 21+17, 27' LT, FTR Pole, FTR detach and Remove

STA 21+70, 33' LT, Proposed FTR Pole

STA 18+47, 22' LT, FTR Pole, FTR Detach and Remove

STA 16+87, 5'RT, FTR Pole, FTR Detach and Remove

STA 16+42, 92' RT, FTR Pole, FTR Detach and Remove

STA 15+25, 123' RT, FTR Pole, FTR Detach and Remove

STA 250+28,48' RT, FTR Pole, FTR Detach and Remove

25 Pair Aerial Copper Cable Existing

Remove 2 existing 25 Pair Aerial Copper Cable, No live Count

Remove Existing12F Aerial Fiber cable

STA 19+40, 75' RT, Proposed FTR Pole with Anchor Guy

STA 21+70, 45' RT, Proposed FTR Pole with Anchor Guy inside the proposed ROW.

STA 19+56, 172' RT, Replace AEP Pole, Propose FTR on AEP new Pole

STREAM 10
CONSTRUCTION LIMITS
54" TYPE C
FUTURE WESTBOUND LANES
PROP. LUMINAIRE, TYP.
PROP. PULL BOX, TYP.
℄ CONSTRUCTION S.R. 243
CB-4A
CURVE NO. 3
CURVE NO. 4
CURVE NO. 2
CURVE NO. 1
DETENTION B
ACCES
STA. 10+00.95 S.R. 243 =
STA. 15+27.37 S.R. 7 RAB
STA. 9+64.02
BEGIN WORK =
STA. 252+09.52 S.R.7
℄ S.R. 7 RAB
℄ CONSTRUCTION S.R. 7
℄ CONSTRUCTION C.R. 69
PRECAST REINFORCED CONCRETE OUTLET WITH TURF REINFORCING MAT (TYP.)
DITCH EROSION PROTECTION MAT, TYPE B (431' x 14.5' / 9 = 694.39 SY)
Wooded Area
CB-4 W/O APRON
CB-4 W/O APRON 30" TYPE B
30" TYPE B
Trail
B.R.E.S. ESMT.
Asphalt
STA. 18+24.08
BEGIN PAVEMENT TAPER 18' LT./RT.
STA. 21+54.00
END PAVEMENT TAPER, 9.77' LT. & 9.11' RT.
END SHOULDER TAPER, 11.33' LT. & 11.12' RT.
END WORK
1 Sty Brk Res.#16804
20-30 Scrap Vehicles
Pasture
21" TYPE D
SAWCUT
Metal Bldg. Auto Repair
A.E.P. ESMT.
Brush
Split Rail
CONSTRUCTION LIMITS
STA. 21+04.00
BEGIN SHOULDER TAPER
TYPE 6 CURB TO TAPER [illegible] SHOULDER. TAPER CURB HEIGHT FROM 0" TO 6" IN 10'.
** LIGHTING CONTROL CENTER
2 EC SEEDING AND EROSION CO[illegible] WITH TURF REINFORCING [illegible] (213' X 14.5' / 9 = 343.17
3 EC SEEDING AND EROSION CO[illegible] WITH TURF REINFORCING [illegible] (107' X 11' / 9 = 130.78 SY)

HORIZONTAL SCALE IN FEET
0 25 50 100
CALCULATED SLP
CHECKED ALB

PLAN
S.R. 243
7

490
1247

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LEGENDS
PROPOSED
EXISTING/REMAIN
REMOVE/ABANDON

Sheet 27

CURVE DATA
C.R. 69
CURVE NO. 1

P.I. STA. 10+33.80
Δ = 20° 52' 36" (RT)
Dc = 24° 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
Δ = 10° 17' 44" (LT)
Dc = 4° 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
Δ = 22° 45' 00" (RT)
Dc = 1° 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
θs = 1° 05' 37"
Ls = 125.00'
Ts = 786.51'
LT = 83.33'
ST = 41.67'
e_{max} = 4.00%
CS STA. 32+14.74
ST STA. 33+39.74

(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)

Remove 2 Existing 25 Pair Aerial Copper Cable

Remove Existing 12F Aerial Fiber cable

STA 15+25, 123'RT, FTR Pole, FTR detach and Remove

STA 255+08, 257'LT, FTR Pole, FTR detach and Remove

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 (50' X 14.5' / 9 = 80.56 SY)

7/EC SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT, TYPE 1 (50' X 14.5' / 9 = 80.56 SY)

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

N 62° 13' 05" E
PROP. LIGHTING PULL BOX
PROP. LIGHTING CONTROL CENTER
PROP. LUMINAIRE, TYP.
Wooded Area
CURVE NO. 1
N 83° 05' 41" E
Brush
STA. 9+68.33 C.R. 69
BEGIN WORK =
STA. 14+80.01 S.R. 243
℄ CONSTRUCTION S.R. 243
ROCK CHANNEL PROTECTION
CB2-2B 15" TYPE C
DETENTION BASIN #3
TYPE E, PON +28.26
STREAM 10
CURVE NO. 2
Wooded Area
SECTION 15 / SECTION 22
CONSTRUCTION LIMITS
STREAM 10C
CURVE NO. 3
N 72° 47' 57" E
℄ CONSTRUCTION C.R. 69
FUTURE WESTBOUND LANES
MATCH LINE STA. 24+00
STREAM 10
1-Sty Duplex Res. 17001
2 Sty Brk Res. #17039
Shed
Asphalt
Conc.
Brick Wall
Deck
Pool
Conc.
Fenced
Ex. R/W
O.H.E.
A.E.P. ESMT.
W. Line
TOPSOIL STOCKPILE
* 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

HORIZONTAL SCALE IN FEET
0 25 50 100
CALCULATED SLP
CHECKED ALB

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

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LEGENDS

PROPOSED
EXISTING/REMAIN
REMOVE/ABANDON

Sheet 28

Joint the Proposed Copper cable with Existing Copper cable at Existing FTR Pole ,Location 38.4585587, -82.414889

STA 13+90, 33' RT, FTR pole remained

Proposed Aerial cable

Remove existing copper cables

STA11+19 18' RT, FTR Pole, FTR Detach and Remove

STA 11+00,60' RT, Proposed FTR Pole, FTR Attached on new Pole

STA11+14,12' RT, FTR Pole, FTR Detach and Remove

Existing FTR cable and Pole Remained

Proposed 25 pair ~~buried~~ copper cable.

STA 268+45 30' LT, FTR Pole, FTR Detach and remove

STA 269+33, 140'RT, Proposed FTR Pole

CONSTRUCTION LIMITS
℄ CONSTRUCTION C.R. 118 N 22° 34' 25" E
N 1° 55' 40" W
℄ CONSTRUCTION C.R. 2
N 1° 07' 24" E
N 70° 43' 25" W
EX. ℄ R/W C.R. 2
EX. ℄ C.R. 118
27" TYPE B
BENT CREEK
STREAM 10
TYPE E PON +75.00
TYPE E PON +36.06
CB-4
CB-4A 54" TYPE C
℄ CONSTRUCTION C.R. 69
S 82° 15' 48" E
S 81° 18' 07" E
℄ CONSTRUCTION S.R. 7
FUTURE WESTBOUND LANES
STREAM 11
22' MULTI-PLATE
BRIDGE NO. LAW-7-0510
STA. 27+25.00 C.R. 69 = STA. 10+07.30 C.R. 118
STA. 24+00
MATCH LINE STA. 38+00
SECTION 15 SECTION 22
SECTION 23 SECTION 22
Wooded Area
Brush
Trail
100' ESMT.
138 KV O.P.C. 100' ESMT.
Ex R/W
LA-R/W
R/W
POT
PT
PC
PI
TS
SC
CS
ST
OH-Comb
Asphalt

(1 EC) SLOPE PROTECTION, MISC.: SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT, TYPE 3 AND PERCUSSION DRIVEN EARTH ANCHORS (8,231.79 SF / 9 = 914.64 SY)

(2 EC) SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT, TYPE 1 (202' X 14.5' / 9 = 325.44 SY)

(4 EC) ROCK CHANNEL PROTECTION, TYPE C WITH FILTER (231' X 10.5' X 1.5' / 27 = 134.75 CY)

(5 EC) SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT, TYPE 1 (551' X 11' / 9 = 673.44 SY)

(6 EC) SLOPE PROTECTION, MISC.: SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT, TYPE 3 AND PERCUSSION DRIVEN EARTH ANCHORS (17,137.12 SF / 9 = 1,904.12 SY)

- PROPOSED PAVEMENT

CURVE DATA
C.R. 69
CURVE NO. 3

P.I. STA. 25+76.25
Δ = 22° 45' 00" (RT)
Dc = 1° 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

θs = 1° 05' 37"
Ls = 125.00'
Ts = 786.51'
LT = 83.33'
ST = 41.67'
e_{max} = 4.00%
CS STA. 32+14.74
ST STA. 33+39.74

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

HORIZONTAL SCALE IN FEET 0 25 50 100
CALCULATED SLP CHECKED ALB

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

LAW-7-2.17

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SEEDING	
END WIDTH	SQ. YDS.
160	929
175	817
	1746

LEGENDS
PROPOSED
EXISTING/REMAIN
REMOVE/ABANDON

Sheet 29

END AREA		VOLUME	
CUT	FILL	CUT	FILL
677	444		
756	1373	1327	1683
		981	1717
		2308	3400

CALCULATED SLP
CHECKED ALB

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

LAW-7-2.17

536
1247

Proposed FTR Underground cable in Road crossing of SR 7 and C.R. 69

STA 282+96.6,280.7' LT, New Pole installed by AEP, FTR cable rise up and attached on this pole

42+50.00
626.68
624.26
626.41

42+00.00
624.46
621.45

R/W
LA-R/W
EX R/W
EX EASEMENT
MATCH LINE S.R. 7
3" EX. WATER
16" EX. WATER

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LEGENDS
PROPOSED
EXISTING/REMAIN
REMOVE/ABANDON

Sheet 30

Location 91,New Pole
STA 65+72.8,193.0 LT
Install: 60'3,Propose FTR
attach on AEP New Pole

Location 92,New Pole
STA 67+49.9,170.8 LT
Install: 60' 3, Propose FTR
attach on AEP New Pole

Location 93,New Pole
STA 69+19.1,66.6 LT
Install:60'3, FTR attached
on AEP new pole.

Location 103
STA 70+87.2,
40.3' RT,Remove:
30' 5, No FTR
attached

Location 90,New Pole
STA 63+51.3,153.8 LT
Install:75' 1,Propose FTR
attach on AEP New Pole

Remove existing 25
Pair Copper Aerial

Location 88
AEP New Pole
STA 61+00, 100.5' RT,
Install:-65'3,Propose FTR
attach on AEP New Pole

Location 109
STA 65+35.6, 85.4'
LT Remove:30' 5
DS501, FTR Detach

Location 94
STA 70+93.0, 47.9'
RT, Install:60'2 , FTF
Attach

Proposed Aerial 96 F
fiber and 100 pair copper
cable on AEP pole at
Location 95 and Location
85

Location 106
STA 66+96.1,129.1'
LT,Remove:
30' 6, NO FTR
attached

Location 108
STA 65+45.1, 25.1'
LT,Remove:35' 5
DS501, FTR Detach

Location 105
STA 67+38.5, 39.8'
LT,Remove:
45' 4,1, FTR Detach

Location 104
STA 68.87, 54.1' LT,
AEP Pole, FTR
Detach and Remove

Location 89
New Push Pole
STA 61+13.5, 115.2'
RT
Install:65'3 , DS410
Note: Push pole base
to be at least 10 feet
off edge of road.

Location 107
STA 66+43.3,30.4'
LT,Remove:45' 4,
FTR Detach

Remove existing
300 pair and
100 Pair aerial
copper and 24 F
fiber cable

Location 102
STA 68+8.4, 82.1'
RT,Remove:
50' 2,1, FTR Detach

Location 95
STA 70+77.0,31.0' LT
Existing:45' 3, FTR
attach

PLAN AND
STA. 57+00

LAW-7-2.17

560
1247

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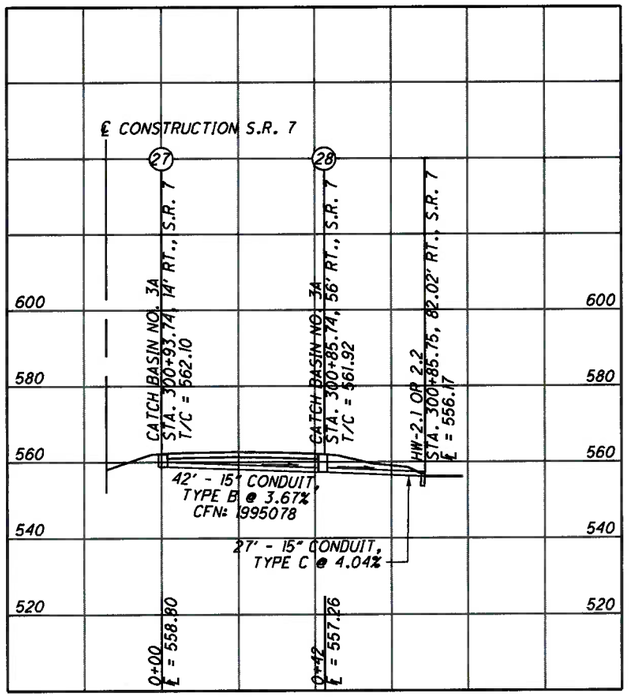
LEGENDS

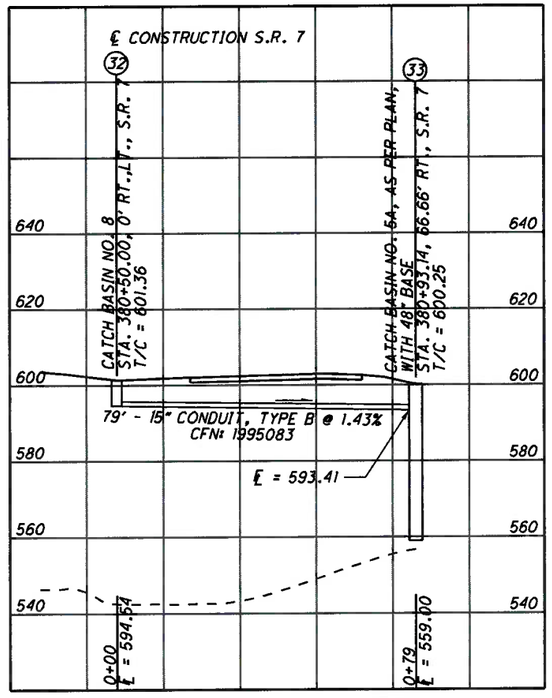
PROPOSED

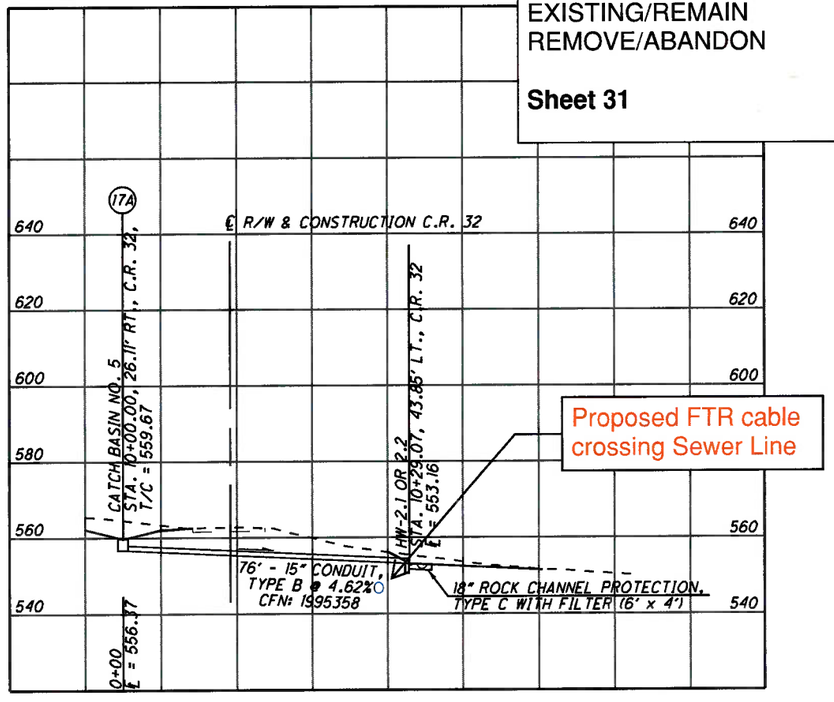
EXISTING/REMAIN

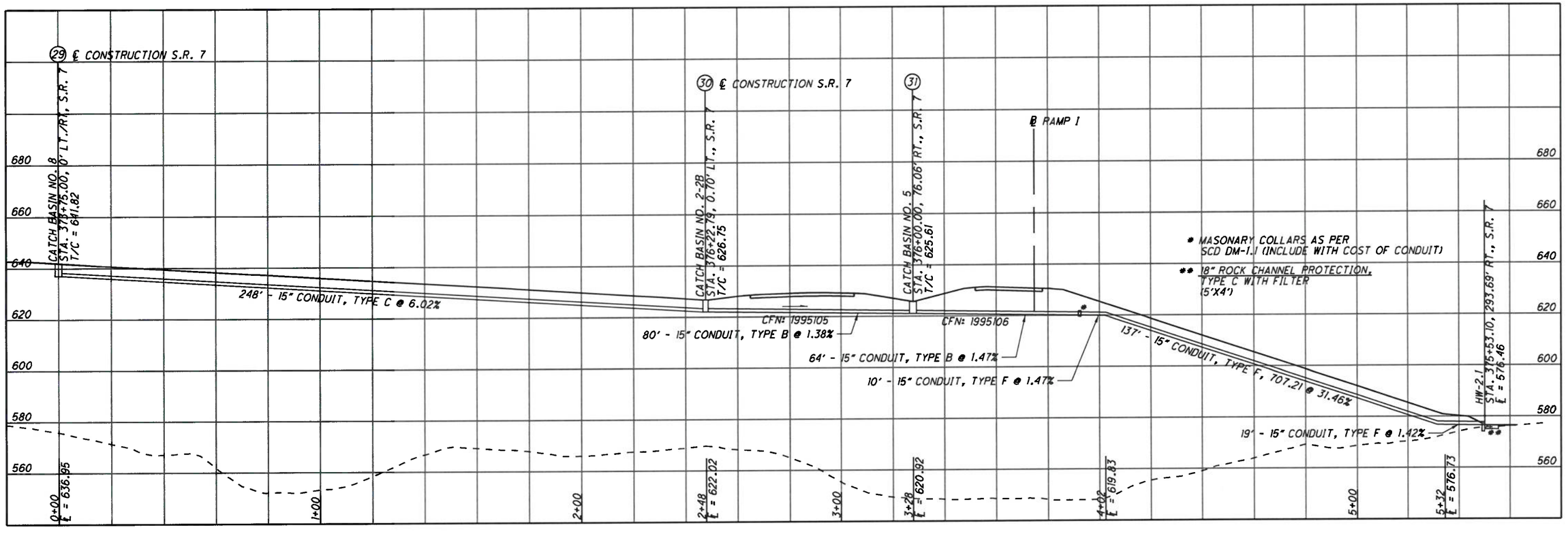
REMOVE/ABANDON

Sheet 31









CALCULATED ALB | CHECKED TCM

0 20 40 SCALE IN FEET

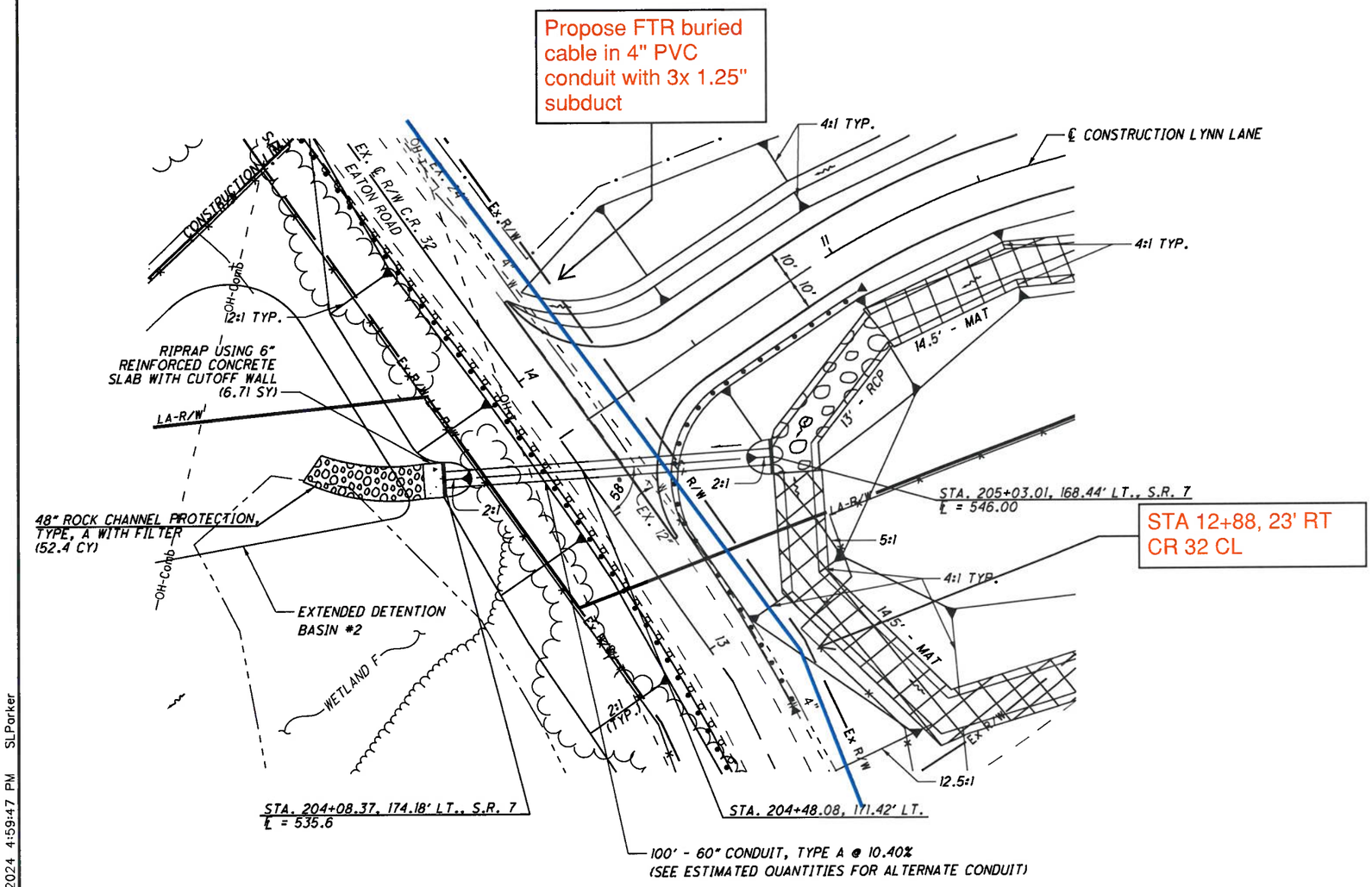
STORM SEWER PROFILES

LAW-7-2.17

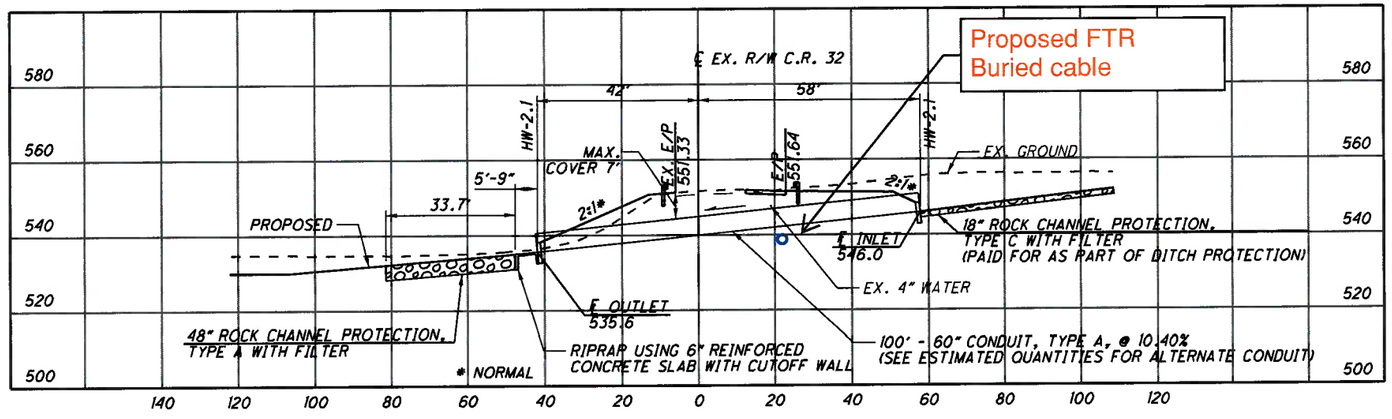
643
1247

LEGENDS
PROPOSED
EXISTING/REMAIN
REMOVE/ABANDON

Sheet 32



HYDRAULIC DATA	
DRAINAGE AREA	= 29 AC.
Q25	= 92 CFS
Q100	= 125 CFS
25V	= 16.6 FPS
100V	= 18.1 FPS
25 HW	= 550.1
100 HW	= 551.1
OHWMi	= 547.9
OHWMo	= 536.2
pH	= 7.6
DESIGN SERVICE LIFE	= 75 YEARS
ABRASION LEVEL	= 1
CFN	= 1995094



ESTIMATE QUANTITIES

ITEM	TOTAL	UNIT	DESCRIPTION
601	6.71	SY	RIPRAP, TYPE D
601	52.4	CY	ROCK CHANNEL PROTECTION, TYPE A WITH FILTER
602	3.56	CY	CONCRETE MASONRY
611	100	FT	60" CONDUIT, TYPE A 707.02 (0.218) GALVANIZED
			OR 707.02 (0.064) ALUMINIZED OR 707.33

QUANTITIES CARRIED TO SUBSUMMARY SHEETS 79-80

HORIZONTAL SCALE IN FEET
0 10 20 40
CALCULATED SLP
CHECKED ALB

CULVERT DETAIL
S.R. 7 STA. 204+48.08

LAW-7-2.17

657
1247

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