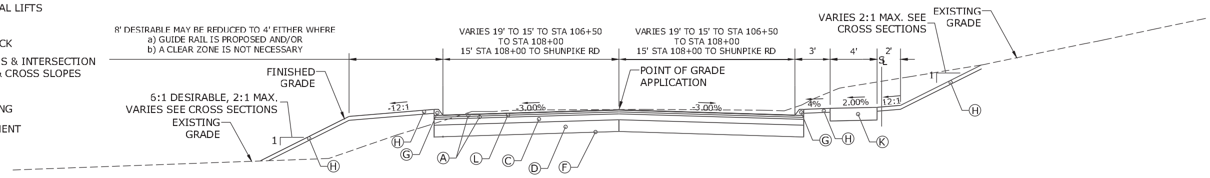
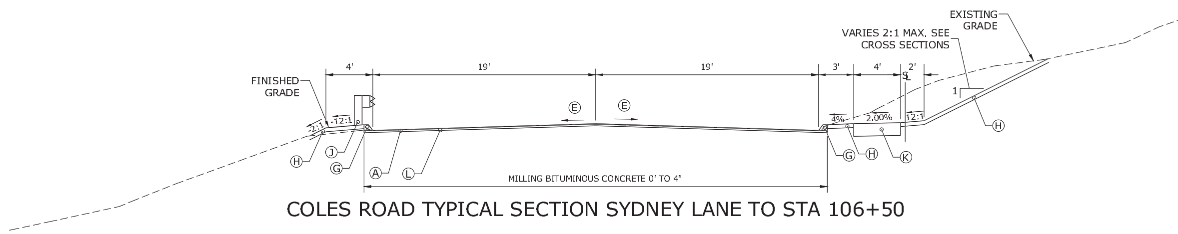
LEGEND

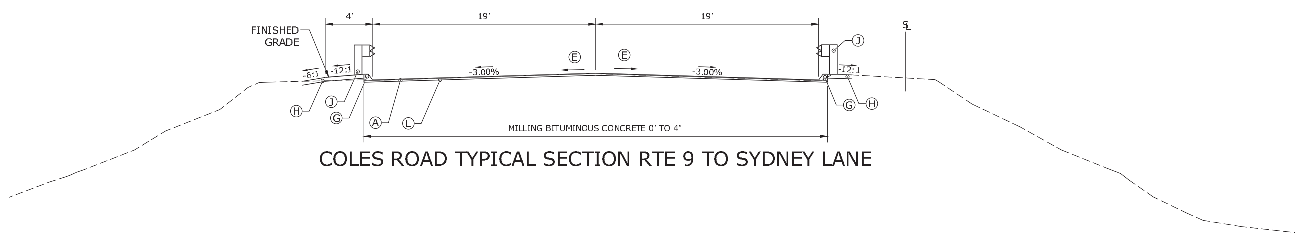
- Ⓐ 4" HMA S0.50 PLACED IN TWO EQUAL LIFTS
- Ⓒ 6" PROCESSED AGGREGATE BASE
- Ⓓ 12" SUBBASE, 18" SUBBASE ON ROCK
- Ⓔ VARIES SEE PLAN, CROSS SECTIONS & INTERSECTION GRADING PLAN FOR DIMENSIONS & CROSS SLOPES
- Ⓕ COMPACTED SUBGRADE
- Ⓖ BITUMINOUS CONCRETE LIP CURBING
- Ⓗ 4" TOPSOIL AND TURF ESTABLISHMENT
- Ⓙ METAL BEAM RAIL TYPE R-B 350
- Ⓚ CONCRETE SIDEWALK
- Ⓛ MATERIAL FOR TACK COAT



COLES ROAD TYPICAL SECTION STA 106+50 TO SHUNPIKE RD



COLES ROAD TYPICAL SECTION SYDNEY LANE TO STA 106+50



COLES ROAD TYPICAL SECTION RTE 9 TO SYDNEY LANE

PRELIMINARY DESIGN
NOT FOR CONSTRUCTION

SCALE IN FEET
SCALE: 1" = 5'

DATE: AUG 21, 2017
SCALE: AS NOTED

CARDINAL
ENGINEERING ASSOCIATES
3 Colony Street | Meriden, CT 06451 | 203-238-1969

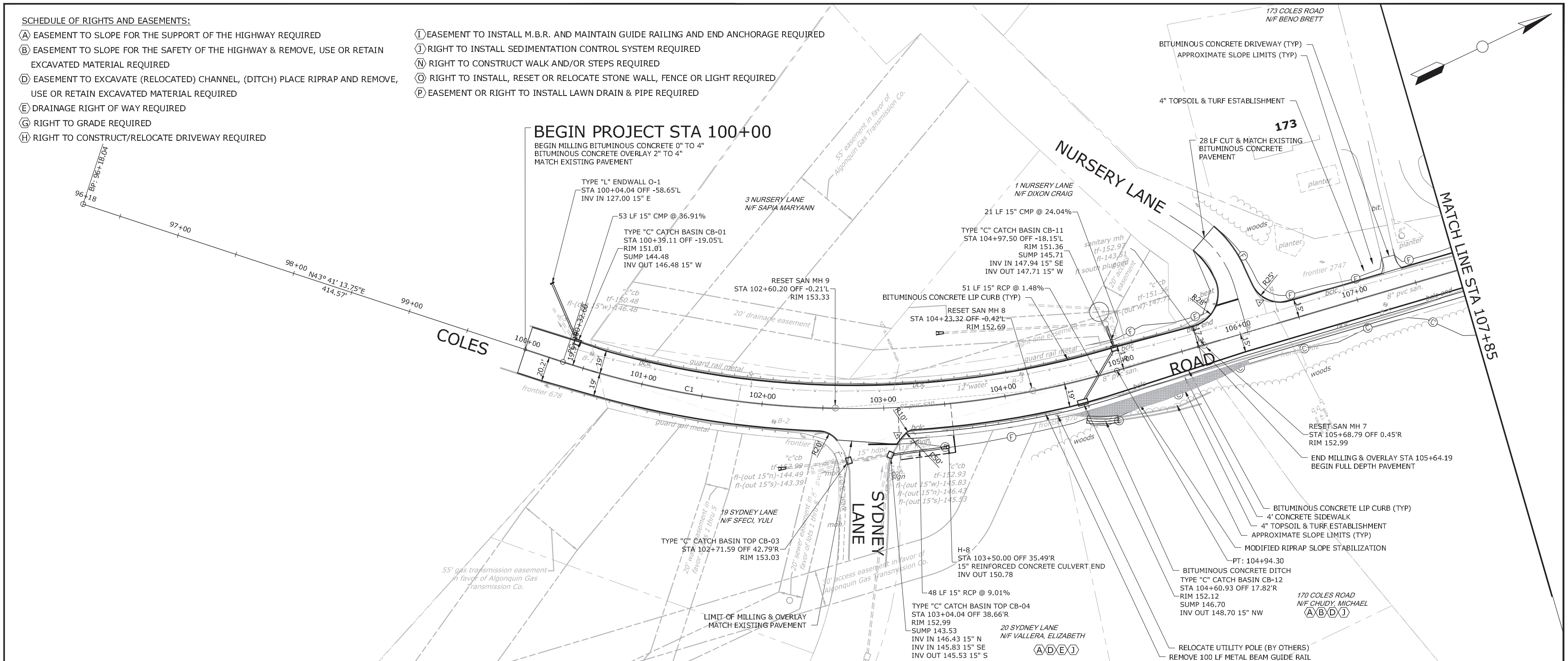
COLES ROAD RECONSTRUCTION
CROMWELL, CONNECTICUT

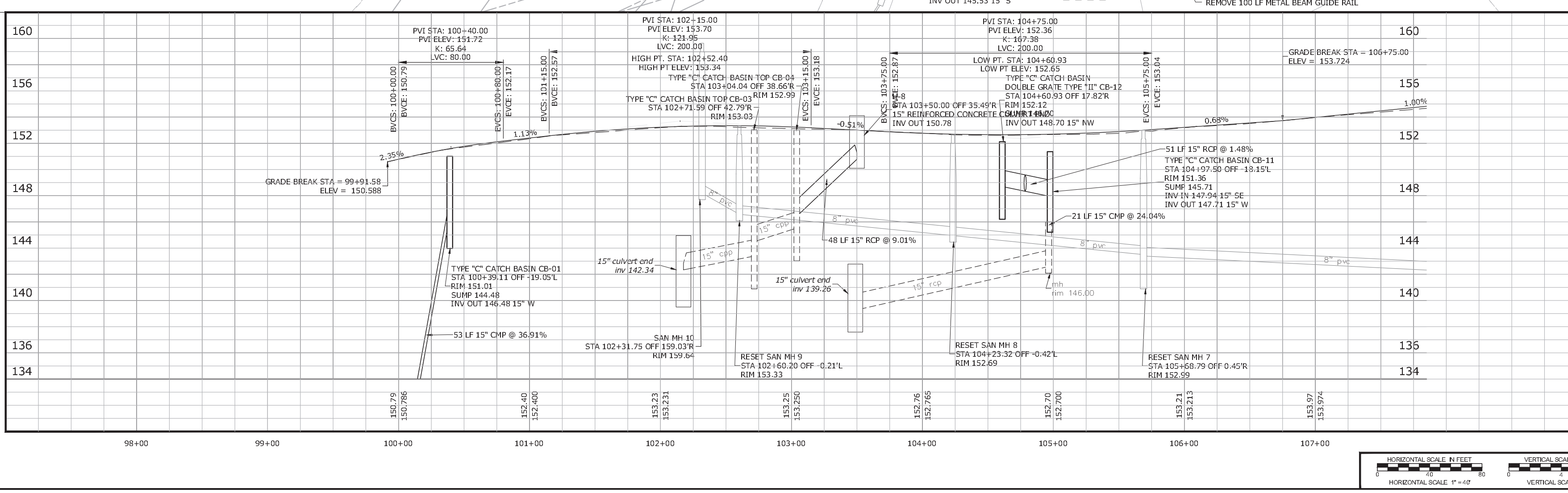
TYPICAL SECTIONS

TYP 01

SCHEDULE OF RIGHTS AND EASEMENTS:

- (A) EASEMENT TO SLOPE FOR THE SUPPORT OF THE HIGHWAY REQUIRED
- (B) EASEMENT TO SLOPE FOR THE SAFETY OF THE HIGHWAY & REMOVE, USE OR RETAIN EXCAVATED MATERIAL REQUIRED
- (D) EASEMENT TO EXCAVATE (RELOCATED) CHANNEL, (DITCH) PLACE RIPRAP AND REMOVE, USE OR RETAIN EXCAVATED MATERIAL REQUIRED
- (E) DRAINAGE RIGHT OF WAY REQUIRED
- (G) RIGHT TO GRADE REQUIRED
- (H) RIGHT TO CONSTRUCT/RELOCATE DRIVEWAY REQUIRED
- (I) EASEMENT TO INSTALL M.B.R. AND MAINTAIN GUIDE RAILING AND END ANCHORAGE REQUIRED
- (J) RIGHT TO INSTALL SEDIMENTATION CONTROL SYSTEM REQUIRED
- (N) RIGHT TO CONSTRUCT WALK AND/OR STEPS REQUIRED
- (O) RIGHT TO INSTALL, RESET OR RELOCATE STONE WALL, FENCE OR LIGHT REQUIRED
- (P) EASEMENT OR RIGHT TO INSTALL LAWN DRAIN & PIPE REQUIRED





DATE: JULY 21, 2017
SCALE: AS NOTED
DESIGNED BY: AD
DRAWN BY: DR
CHECKED BY: BS
APPROVED BY: JC

NO. | REVISION | DATE | BY

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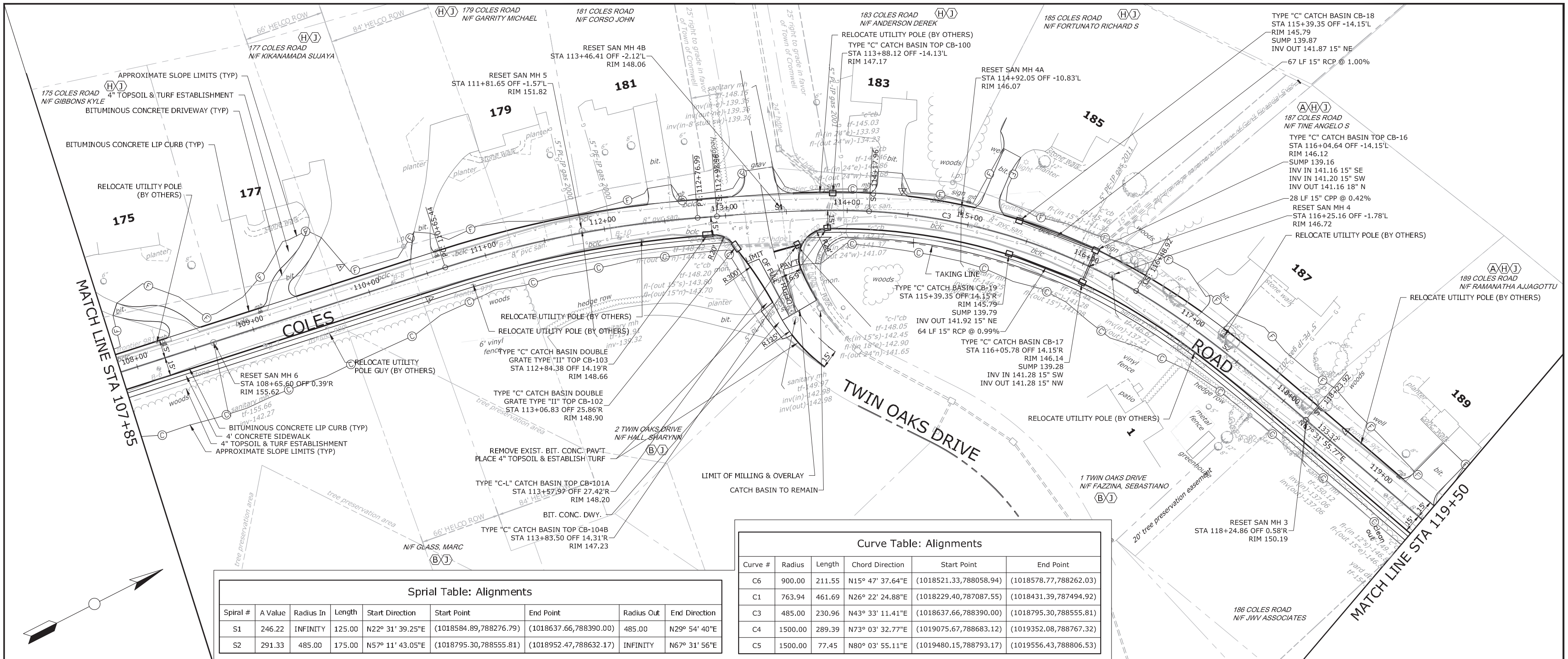
COLES ROAD RECONSTRUCTION
CROMWELL, CONNECTICUT

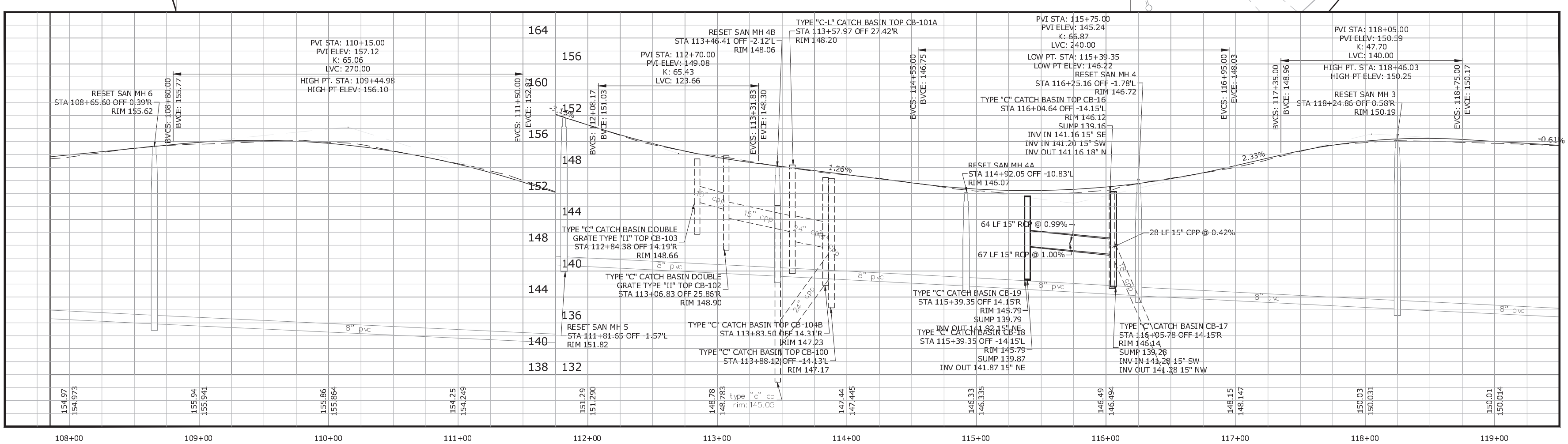
PLAN & PROFILE

PLN 01



Sprial Table: Alignments								
Spiral #	A Value	Radius In	Length	Start Direction	Start Point	End Point	Radius Out	End Direction
S1	246.22	INFINITY	125.00	N22° 31' 39.25"E	(1018584.89,788276.79)	(1018637.66,788390.00)	485.00	N29° 54' 40"E
S2	291.33	485.00	175.00	N57° 11' 43.05"E	(1018795.30,788555.81)	(1018952.47,788632.17)	INFINITY	N67° 31' 56"E

Curve Table: Alignments					
Curve #	Radius	Length	Chord Direction	Start Point	End Point
C6	900.00	211.55	N15° 47' 37.64"E	(1018521.33,788058.94)	(1018578.77,788262.03)
C1	763.94	461.69	N26° 22' 24.88"E	(1018229.40,787087.55)	(1018431.39,787494.92)
C3	485.00	230.96	N43° 33' 11.41"E	(1018637.66,788390.00)	(1018795.30,788555.81)
C4	1500.00	289.39	N73° 03' 32.77"E	(1019075.67,788683.12)	(1019352.08,788767.32)
C5	1500.00	77.45	N80° 03' 55.11"E	(1019480.15,788793.17)	(1019556.43,788806.53)



HORIZONTAL SCALE IN FEET

HORIZONTAL SCALE 1" = 40'

VERTICAL SCALE IN FEET

VERTICAL SCALE 1" = 4'

NO.	REVISION	DATE	BY

DATE: JULY 21, 2017
SCALE: AS NOTED
DESIGNED BY: AD
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CHECKED BY: BS
APPROVED BY: JC

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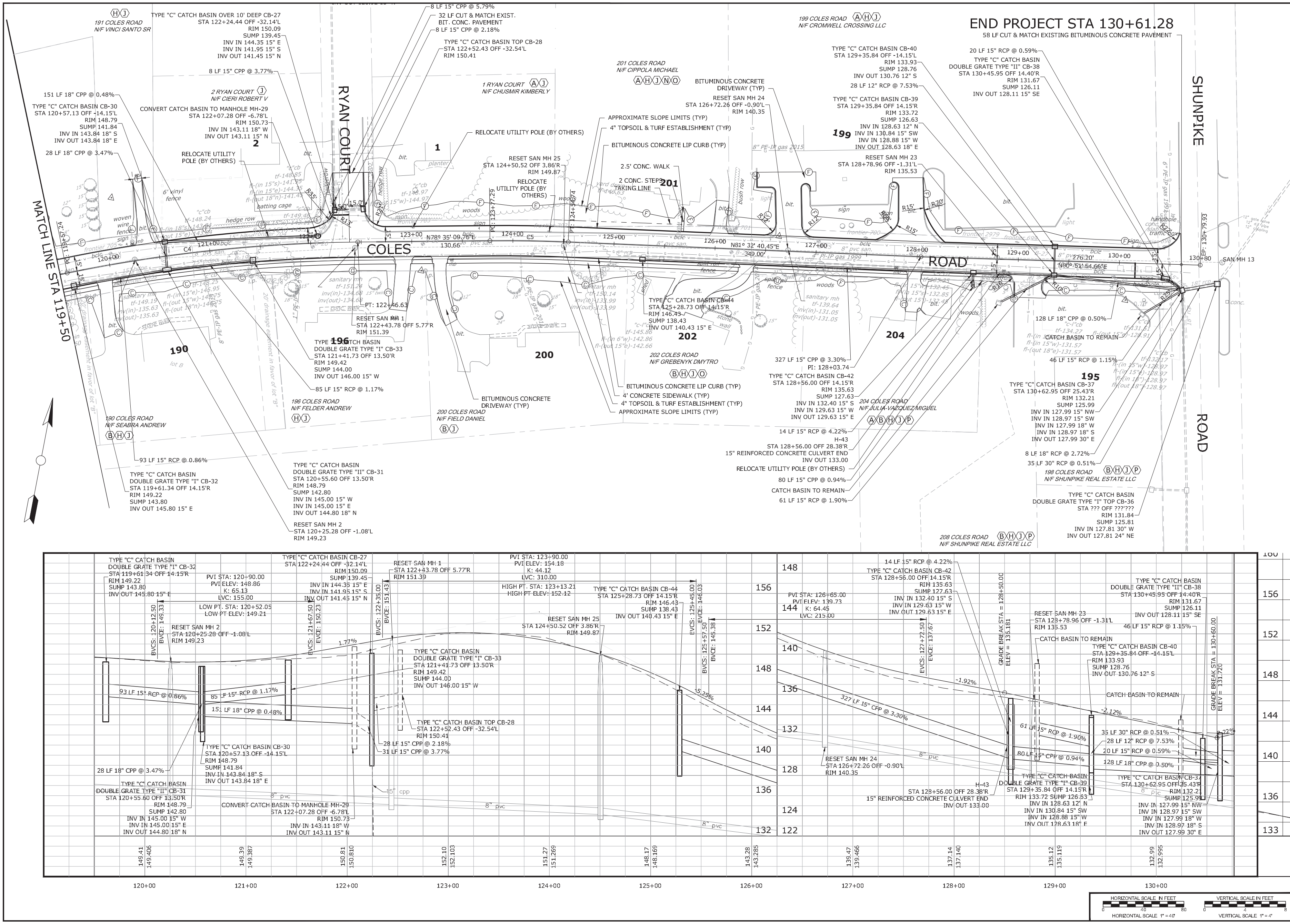
COLES ROAD RECONSTRUCTION
CROMWELL, CONNECTICUT

PLAN & PROFILE

PLN 02



DATE: JULY 21, 2017
SCALE: AS NOTED
DESIGNED BY: AD
DRAWN BY: DR
CHECKED BY: BS
APPROVED BY: JC

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COLES ROAD RECONSTRUCTION
CROMWELL, CONNECTICUT

PLAN & PROFILE

PLN 03