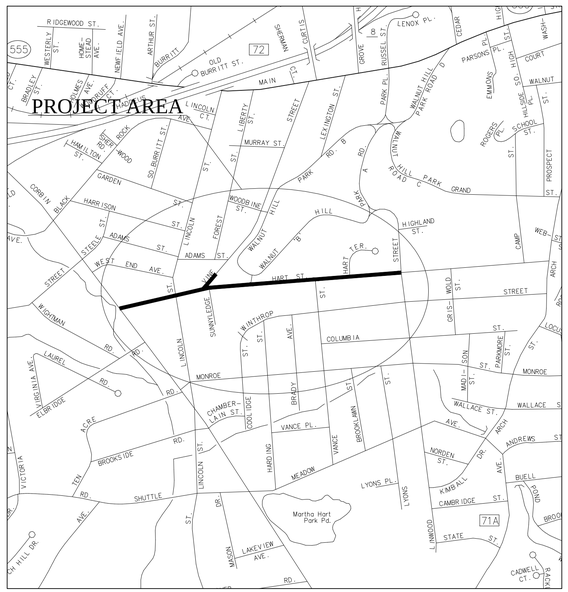
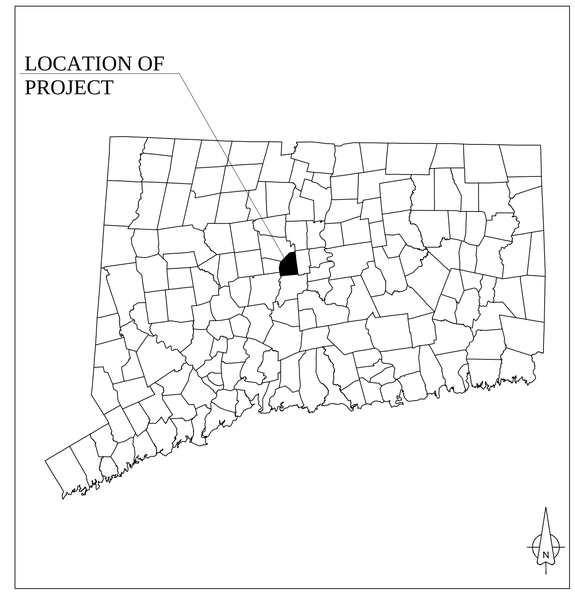


LOCATION MAP

(NOT TO SCALE)

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
PLANS FOR
RECONSTRUCTION OF HART STREET
(CORBIN AVENUE TO LINWOOD STREET)
IN THE CITY OF
NEW BRITAIN, CONNECTICUT
AUGUST 4, 2016

BID NO. 3879
STATE PROJECT NO. 88-185
FEDERAL AID PROJECT (FAP) NO. 1088(112)



CITY OF NEW BRITAIN

(NOT TO SCALE)

NOTES:

1) ELEVATIONS ARE BASED ON THE CITY OF NEW BRITAIN VERTICAL DATUM

2) NORTH ARROW AND BEARING ARE BASED ON THE CONNECTICUT STATE PLANE COORDINATE SYSTEM (NAD 1983)

SPECIFICATIONS AND STANDARD DETAILS THAT GOVERN THIS PROJECT ARE:

1) THE CTDOT "STANDARD SPECIFICATIONS FOR ROADS, BRIDGES AND INCIDENTAL CONSTRUCTION" FORM 816 AND SUPPLEMENT DATED JANUARY 2016

LIST OF DRAWINGS	
SUBSET NO.	TITLE
1	TITLE SHEET
2	INDEX PLAN
3	INDEX PROFILE
4	DETAILED ESTIMATE SHEET
5	TYPICAL SECTIONS
6	MISCELLANEOUS DETAILS
7	INTERSECTION GRADING PLAN
8	BOUNDARY AND CONTROL
9	ROADWAY PLANS
10	ROADWAY PROFILES
11	UTILITY PLANS
12	ALTERNATE ROUTE SIGNAGE PLANS
13	SIGN & PAVEMENT MARKING PLANS
14	CROSS SECTIONS
15	CNG & EVERSOURCE (FIO)
16	CT DOT STANDARD SHEETS

PROJECT LIMITS
STA. 10+00 TO STA. 42+00.00

DESIGN SPEED
V = 35 MPH

HONORABLE ERIN E. STEWART - MAYOR

MARK E. MORIARTY, P.E. - DIRECTOR OF PUBLIC WORKS

ROBERT TROTTIER, P.E. - CITY ENGINEER

MICHAEL J. CARUSO III, L.S. - CITY SURVEYOR

Submitted By: _____
City Engineer

Approved By: _____
Mayor

PREPARED BY:

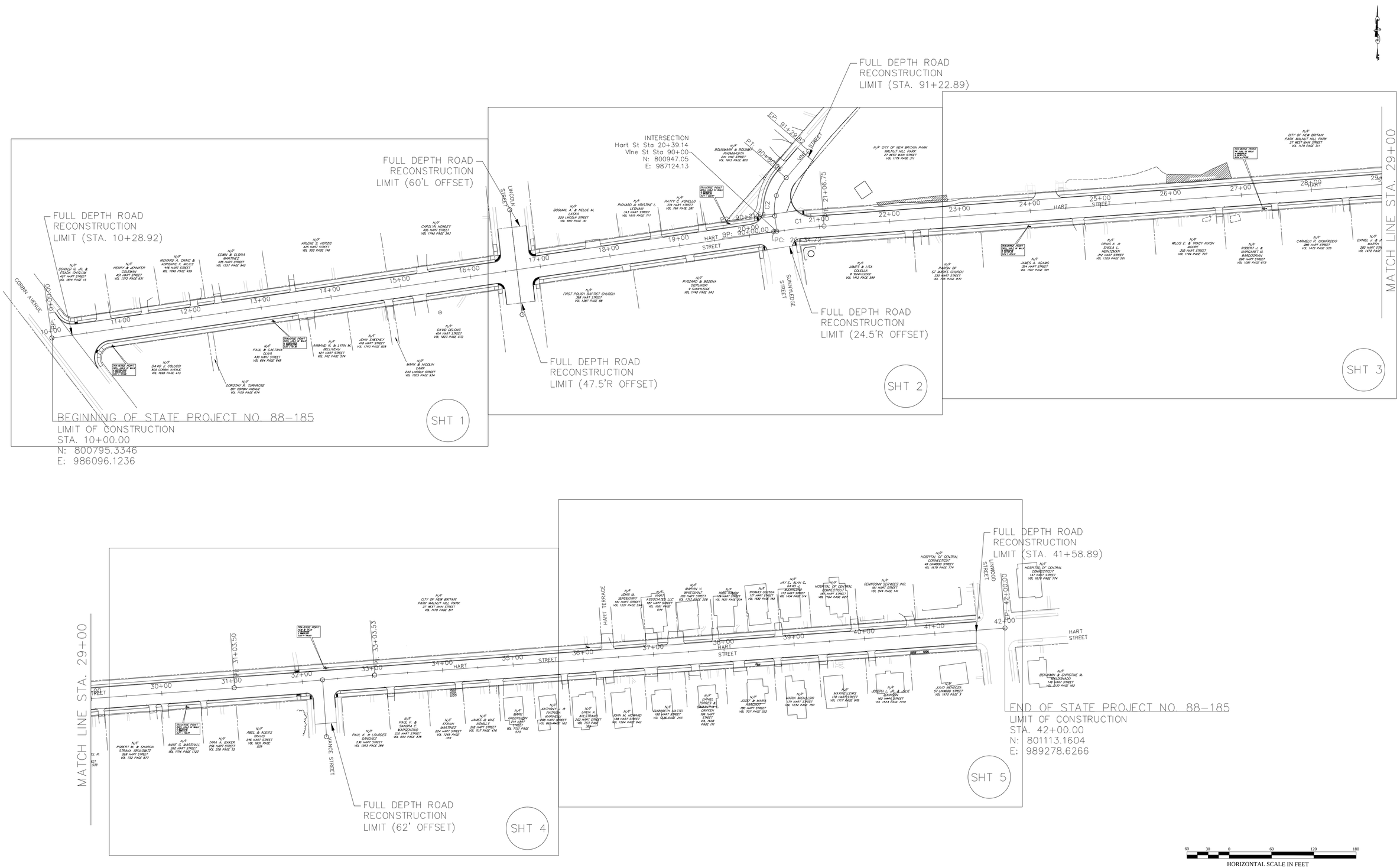
DEPARTMENT OF PUBLIC WORKS
CITY HALL
27 WEST MAIN ST.
NEW BRITAIN, CT. 06051
(860) 826-3350

STANDARD CONVENTIONS

- North Arrow
- Edge of Road
- Concrete Pavement
- Granite Stone Curb
- Concrete Sidewalk
- Railroad Tracks
- Chain Link Fence
- Water Edge
- Stream
- Town Line
- Property Line
- Street Line
- Highway Line
- Lot Line
- Easement Line
- Taking Line
- Stone Wall
- Power Line
- Retaining Wall
- Building
- Transmission Tower
- Rip Rap
- Hedge Row
- Deciduous Tree
- Shrub

STANDARD ABBREVIATIONS

ANCH.	ANCHORAGE
BIT. CONC.	BITUMINOUS CONCRETE
BCLC	BITUMINOUS CONCRETE LIP CURBING
℄	BASE LINE
BM	BENCH MARK
C.C.	CONCRETE CURBING
CCMP	COATED CORRUGATED METAL PIPE
CB	CATCH BASIN
CP	CONTROL POINT
D.R.O.W.	DRAINAGE RIGHT OF WAY
GG	GAS GATE
LVC	LENGTH OF VERTICAL CURVE
MBR	METAL BEAM RAIL
MH	MANHOLE
MOD. RIPRAP	MODIFIED RIPRAP
PC	POINT OF HORIZONTAL CURVATURE
PI	POINT OF HORIZONTAL INTERSECTION
℄	PROPERTY LINE
PT	POINT OF HORIZONTAL TANGENCY
PVC	POINT OF VERTICAL CURVATURE
PVI	POINT OF VERTICAL INTERSECTION
PVT	POINT OF VERTICAL TANGENCY
RCCE	REINFORCED CONCRETE CULVERT END
RCP	REINFORCED CONCRETE PIPE
℄	STREET LINE
S.C.S.	SEDIMENTATION CONTROL SYSTEM
STA.	STATION
T.L.	TAKING LINE
TEMP.	TEMPORARY
WG	WATER GATE
C	CUT – APPROXIMATE SLOPE LIMIT
F	FILL – APPROXIMATE SLOPE LIMIT
	TEST PIT LOCATION
	BORING LOCATION



INDEX PLAN

HART STREET

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
DRAWN BY: C. POLKOWSKI
CHECKED BY: R. TROTTIER
DATE: 8/4/16

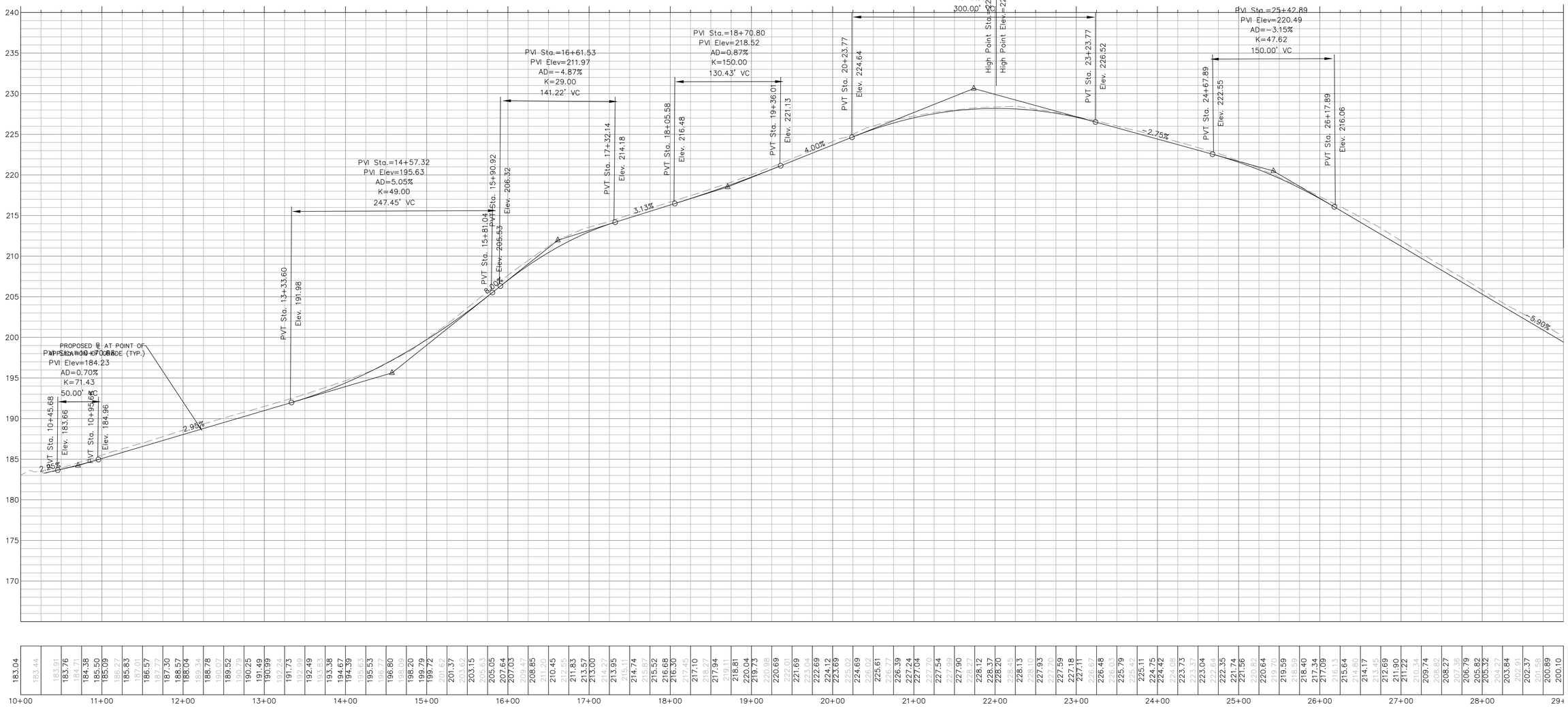
HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

REV.	DATE	DESCRIPTION	BY	APP'D

SCALE 1" = 60'

JOB NO. 88-185

SUBSET 2.1



INDEX PROFILE

HART STREET

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
DRAWN BY: C. POLKOWSKI
CHECKED BY: R. TROTTIER
DATE: 8/4/16

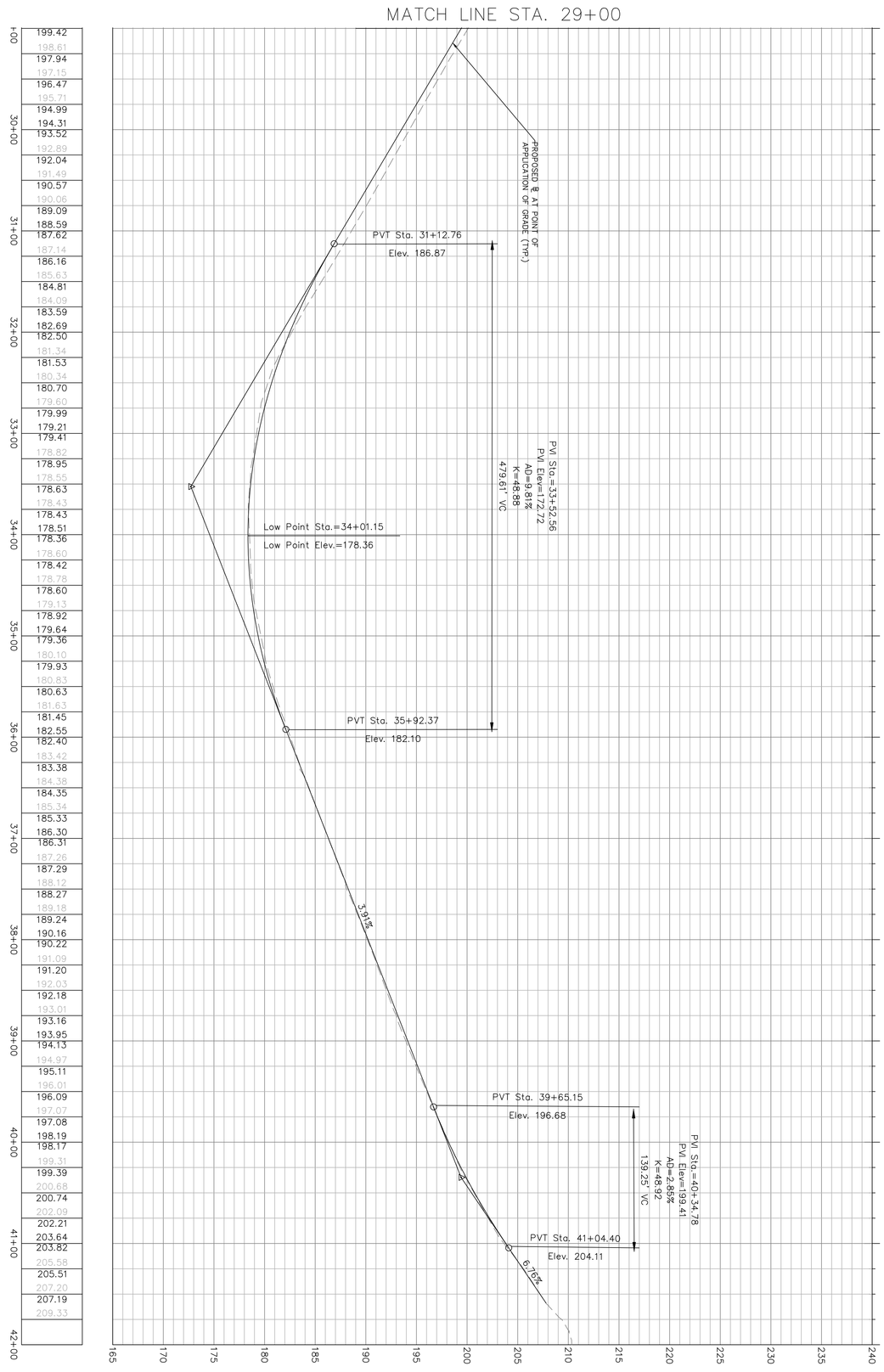
HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

REV.	DATE	DESCRIPTION	BY	APP'D

SCALE: AS NOTED

JOB NO. 88-185

SUBSET 3.1



VERTICAL SCALE IN FEET (1" = 6')

HORIZONTAL SCALE IN FEET (1" = 60')

INDEX PROFILE

HART STREET

SUBSET	SCALE	REV.	DATE	DESCRIPTION	BY	APP'D
3.2	AS NOTED					
	JOB NO. 88-185					

HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
DRAWN BY: C. POLKOWSKI
CHECKED BY: R. TROTTIER
DATE: 8/4/16

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE TRUE CONDITIONS OR ACTUAL QUANTITIES OR DISTRIBUTION OF QUANTITIES OF WORK WHICH WILL BE REQUIRED

DETAILED ESTIMATE SHEET

P = FEDERAL AID PARTICIPATING
NP= FEDERAL AID NON PARTICIPATING
X=FOR INTERNAL USE ONLY
NOT A LEGAL DEFINITION

FOR THE CONSTRUCTION OF RECONSTRUCTION OF HART STREET IN THE CITY OF NEW BRITAIN

HART STREET– FROM STA. 10+00 TO STA. 42+00 LENGTH 3200 FEET BASE COURSE: SUPERPAVE – 0.50", LEVEL 2 WIDTH 30 FEET DEPTH 2.5 IN; SURFACE COURSE: SUPERPAVE – 0.50" WIDTH 30 FEET DEPTH 2.5 IN

VINE STREET– FROM STA. 90+00 TO STA. 91+29.82 LENGTH 129.82 FEET BASE COURSE: SUPERPAVE – 0.50", LEVEL 2 WIDTH VARIES FEET DEPTH 2.5 IN; SURFACE COURSE: SUPERPAVE – 0.50" WIDTH VARIES FEET DEPTH 2.5 IN

FROM STA. _____ TO STA. _____ LENGTH _____ FEET BASE COURSE: _____ WIDTH _____ FEET DEPTH _____ IN; SURFACE COURSE: _____ WIDTH _____ FEET DEPTH _____ IN

FROM STA. _____ TO STA. _____ LENGTH _____ FEET BASE COURSE: _____ WIDTH _____ FEET DEPTH _____ IN; SURFACE COURSE: _____ WIDTH _____ FEET DEPTH _____ IN

ITEM NUMBER	0201001	0202003A	0202120A	0202351A	0202451A	0202503A	0202539	0203001	0203002	0203003	0203004	0203901	0212003	0213011A	0304002A	0406170	0406177	0406236	0506001	0507001A	0507004A	0507022A	0507046A	0507201A	0507601A	0507685A	0651001	0651012A	0651013A	0651015A	0651743A	0651746A	0811001A	0811002A	0815001	0821001A	0922001	0922501	0922530	0922531	0924003A	0924007A	0939001	0942001	0943001	0944002	0946001	0948100A	0949151A
CONSTRUCTION ITEMS	Clearing and Grubbing	Earth Excavation	Rock Excavation (No Explosives)	Unsuitable Material Excavation	Test Pit Excavation	Removal of Concrete Curbing	Cut Bituminous Concrete Pavement	Trench Excavation 0'-4' Deep	Rock in Trench Excavation 0'-4' Deep	Trench Excavation 0'-10' Deep	Rock in Trench Excavation 0'-10' Deep	Formation of Subgrade	Subbase	Granular Fill	Processed Aggregate Base	HMA S1	HMA S0.5	Material for Tack Coat	Concrete for Steps and Copings	Type "c" Catch Basin	Remove Catch Basin/Manhole	Type "c" Catch Basin Double Grate – Type II	Type "c" C.B. Without Sump	Type "c-i" Catch Basin	Manhole	Manhole – 6' Diameter	Bedding Material	15" R.C. Pipe	18" R.C. Pipe	24" R.C. Pipe	6" Polyvinyl Chloride Pipe	12" Polyvinyl Chloride Pipe	Concrete Curbing	Special Concrete Curbing	Bituminous Concrete Lip Curbing	Concrete Sidewalk	Bituminous Concrete Sidewalk	Bituminous Concrete Driveway – Commercial	Bituminous Concrete Driveway	Concrete Driveway Ramp	Concrete Driveway Ramp–Commercial	Sweeping for Dust Control	Calcium Chloride for Dust Control	Water for Dust Control	Furnishing and Placing Topsoil	Liming	Wood Chip Mulch	Syringe Reticulata, "Ivory Silk" Japanese Tree Lilac 3"–3.5" Cal
	L.S.	C.Y.	C.Y.	C.Y.	C.Y.	L.F.	L.F.	C.Y.	C.Y.	C.Y.	C.Y.	S.Y.	C.Y.	C.Y.	C.Y.	Ton	Ton	Gal.	C.Y.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	C.Y.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	S.F.	S.Y.	S.Y.	S.Y.	S.F.	S.F.	HR.	Ton	M.Gal.	S.Y.	Ton	S.Y.	EA.
HART STREET																																																	
STA. 10+00 TO STA. 42+00	1	9547	164	206	50	6455	310	494	49	2170	217	11457	3819	260	1909	5	3225	2062	35	24	20	2	2	1	18	1	805	2482	320	26	704	40	6455	50	100	25507	83	31	243	6237	531	50	5	500	2388	5	92	3
SUBTOTAL	1	9547	164	206	50	6455	310	494	49	2170	217	11457	3819	260	1909	5	3225	2062	35	24	20	2	2	1	18	1	805	2482	320	26	704	40	6455	50	100	25507	83	31	243	6237	531	50	5	500	2388	5	92	3
UNASSIGNED																																																	
CONTRACT TOTAL	1	9547	164	206	50	6455	310	494	49	2170	217	11457	3819	260	1909	5	3225	2062	35	24	20	2	2	1	18	1	805	2482	320	26	704	40	6455	50	100	25507	83	31	243	6237	531	50	5	500	2388	5	92	3
FEDERAL AND STATE PARTICIPATING																																																	
FEDERAL AND STATE NON–PARTICIPATING																																																	

ITEM NUMBER	0949146A	0949164A	0949165A	0949356A	0949446A	0949634A	0949652A	0953005A	0953201A	0960852A	0970007	0971001A	0974001A	0975004	0976002	0977001	0978022	0978033	0980001	0981101A	1206023A	1209831	1209832A	1209914	1209931	1210101	1210102	1210105	1212001	1212010	1220027	1320054A	1331163A	1332244A	1403501A
CONSTRUCTION ITEMS	Quercus Rubra, Northern Red Oak, 3"–3.5" Cal.	Malus "Red Jewel", Red Jewel Crabapple, 3"–3.5" Cal.	Carya Ovata, Shagbark Hickory, 3"–3.5" Cal.	Prunus Serrulata Kwanzon Cherry, 3"–3.5" Cal.	Buxus Sempervirens, "American Boxwood" Classic 3 Gallon	Acer Rubrum Red Maple, 3"–3.5" Cal.	Acer Saccharinum Silver Maple, 3"–3.5" Cal.	Turf Establishment	Selective Clearing and Thinning	Construction Field Office (Medium)	Traffic Person (Uniformed Flagger)	Maintenance and Protection of Traffic	Removal of Existing Masonary	Mobilization and Project Closeout	Barricade Warning Lights High Intensity	Traffic Cone	Traffic Drum	Construction Barricade Type III	Construction Staking	Opposing Traffic Lane Divider	Removal and Relocation of Existing Signing	Sign Face–Sheet Aluminum (Type IX Retroreflective Sheeting)	Sign Face Sheet Aluminum (Type IV Reflective Sheeting)	Hot–Applied Painted Pavement Markings 4" Yellow	Hot–Applied Painted Legend, Arrows and Markings	4" White Epoxy Resin Pavement Markings	4" Yellow Epoxy Resin Pavement Markings	Epoxy Resin Pavement Markings–Symbols & Legends	Temporary Plastic Pavement Marking Tape – 4" Yellow	Temporary Plastic Pavement Marking Tape – 12" White	Construction Signs	Replace Curb Box	Remove Hydrant (Water Main)	Hydrant Assembly (Water Main)	Reset Manhole (Sanitary Sewer)
	EA.	EA.	EA.	EA.	EA.	EA.	EA.	S.Y.	L.S.	MO	HR	L.S.	C.Y.	L.S.	Day	EA.	EA.	EA.	L.S.	EA.	L.S.	S.F.	S.F.	L.F.	S.F.	L.F.	L.F.	S.F.	L.F.	L.F.	S.F.	EA.	EA.	EA.	EA.
HART STREET																																			
STA. 10+00 TO STA. 42+00	3	7	3	9	10	3	3	2388	1	15	50	1	25	1	5400	50	50	12	1	12	1	100	175	6300	700	7000	6300	1450	50	50	780	54	3	3	10
SUBTOTAL	3	7	3	9	10	3	3	2388	1	15	50	1	25	1	5400	50	50	12	1	12	1	100	175	6300	700	7000	6300	1450	50	50	780	54	3	3	10
UNASSIGNED																																			
CONTRACT TOTAL	3	7	3	9	10	3	3	2388	1	15	50	1	25	1	5400	50	50	12	1	12	1	100	175	6300	700	7000	6300	1450	50	50	780	54	3	3	10
FEDERAL AND STATE PARTICIPATING																																			
FEDERAL AND STATE NON–PARTICIPATING																																			

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

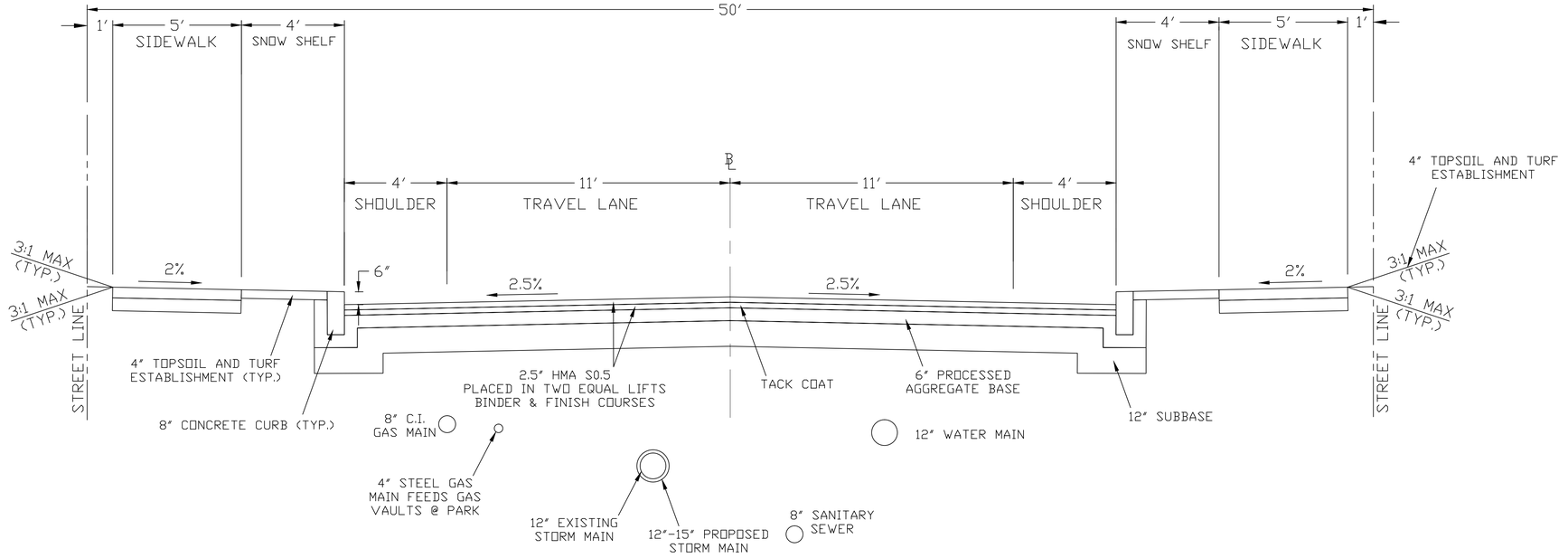
DESIGNED BY: C. POLKOWSKI
DRAWN BY: C. POLKOWSKI
CHECKED BY: R. TROTTIER
DATE: 8/4/16

HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

REV.	DATE	DESCRIPTION	BY	APP'D

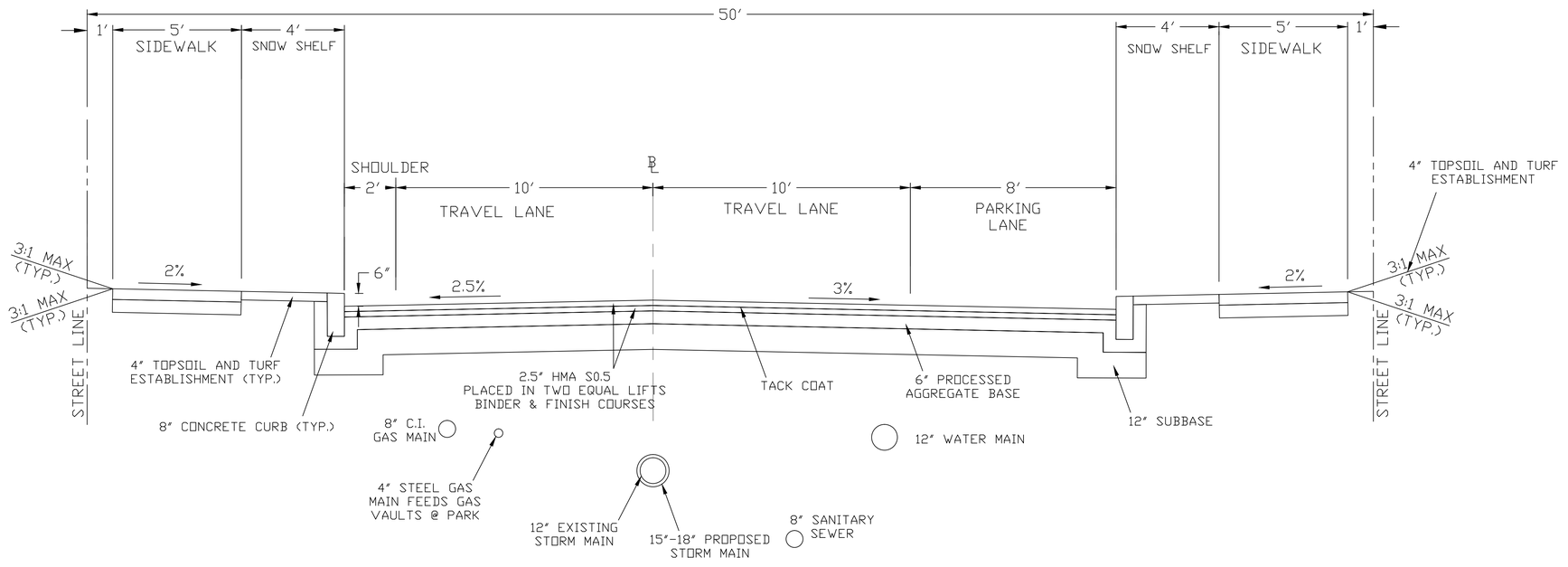
SCALE NONE
JOB NO. 88–185

DETAILED ESTIMATE SHEET
SUBSET 4.1



HART STREET

FROM CORBIN AVENUE TO VANCE STREET
STA. 10+00.00 TO 31+03.50
* PLEASE NOTE UTILITY LOCATIONS MAY VARY



HART STREET

FROM VANCE STREET TO LINWOOD STREET
STA. 33+03.53 TO 42+00.00
* PLEASE NOTE UTILITY LOCATIONS MAY VARY

TYPICAL SECTIONS

SUBSET 5.1

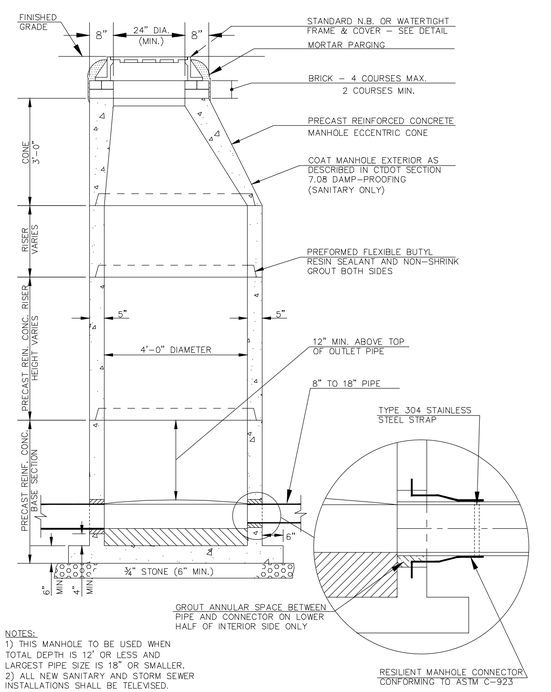
CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
DRAWN BY: C. POLKOWSKI
CHECKED BY: R. TROTTIER
DATE: 8/4/16

HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

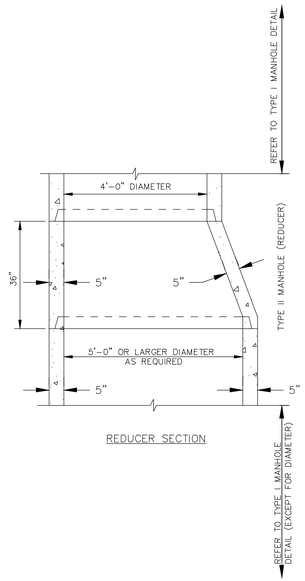
REV.	DATE	DESCRIPTION	BY	APP'D

SCALE N.T.S.
JOB NO. 88-185



NOTES:
1) THIS MANHOLE TO BE USED WHEN TOTAL DEPTH IS 12' OR LESS AND LARGEST PIPE SIZE IS 18" OR SMALLER.
2) ALL NEW SANITARY AND STORM SEWER INSTALLATIONS SHALL BE TELEVISED.

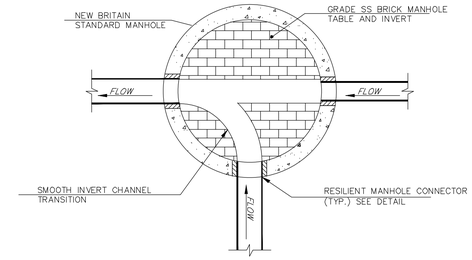
TYPE I MANHOLE
(PRECAST WITHOUT STEPS)
NOT TO SCALE



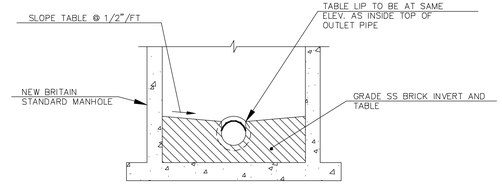
REDUCER SECTION

NOTES:
1) THIS MANHOLE TO BE USED WHEN TOTAL DEPTH IS GREATER THAN 12' OR ANY PIPE SIZE IS GREATER THAN 18".
2) ALL NEW SANITARY AND STORM SEWER INSTALLATIONS SHALL BE TELEVISED.

TYPE II MANHOLE
(PRECAST WITHOUT STEPS)
NOT TO SCALE

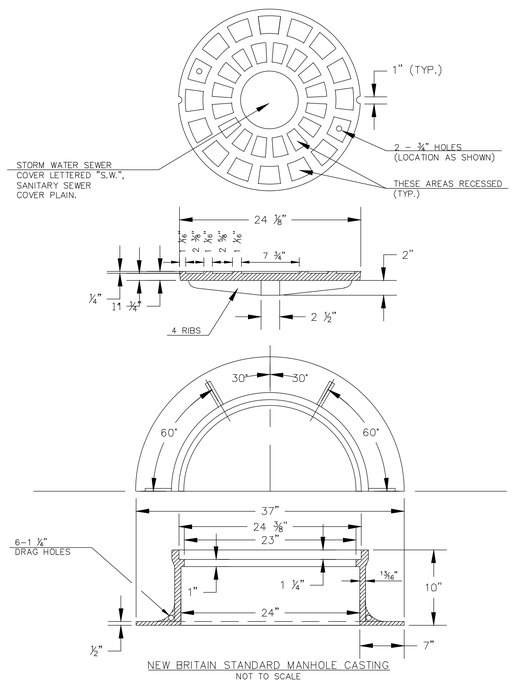


PLAN AT INVERT

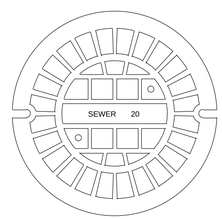


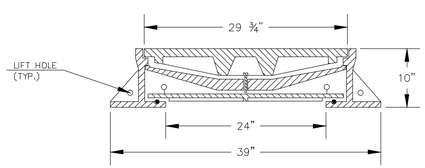
VERTICAL SECTION

MANHOLE INVERT
NOT TO SCALE



NEW BRITAIN STANDARD MANHOLE CASTING
NOT TO SCALE





NEW BRITAIN STANDARD WATERTIGHT MANHOLE CASTING
NOT TO SCALE

MANHOLE DETAILS

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
DRAWN BY: C. POLKOWSKI
CHECKED BY: R. TROTTIER
DATE: 8/4/16

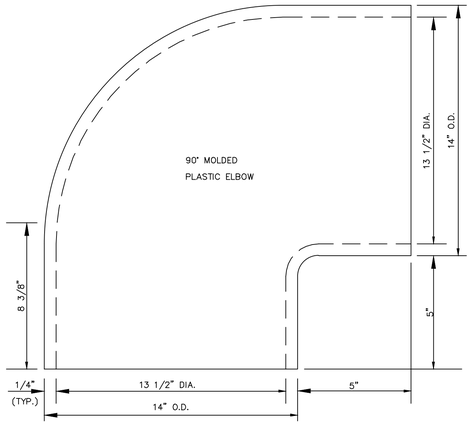
HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

REV.	DATE	DESCRIPTION	BY	APP'D

SCALE

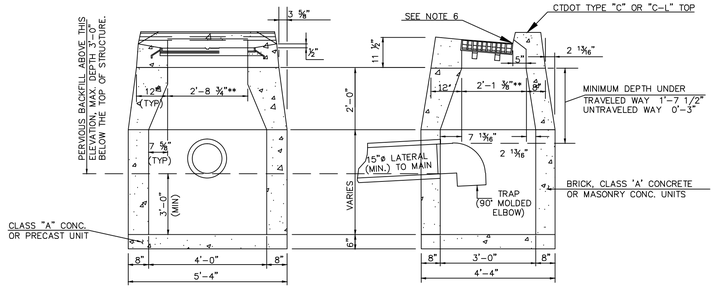
JOB NO. 88-185

SUBSET 6.1



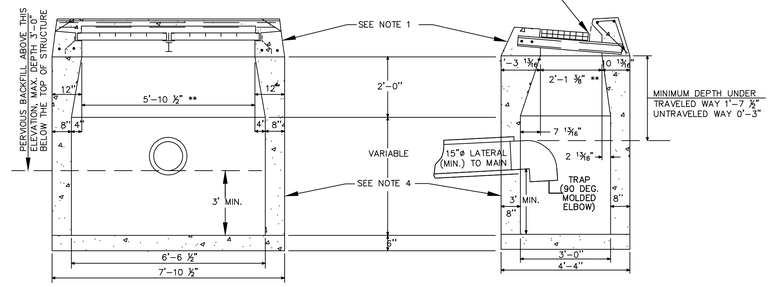
CATCH BASIN TRAP
NOT TO SCALE

NOTES:
1) WALLS OF ALL CATCH BASINS OVER 10 FT. DEEP SHALL BE INCREASED TO 12" THICKNESS. INSIDE DIMENSIONS SHALL REMAIN THE SAME.
2) PROVIDE DRAINAGE OPENING IN EACH WALL AT LOWEST INVERT ELEVATION.
3) WHERE BRICK OR MASONARY CONCRETE UNITS ARE USED, CORBELLING WILL BE PERMITTED. MAXIMUM CORBEL SHALL BE 3". NO PROJECTION SHALL EXTEND INSIDE THE LIMITS NOTED BY **.
4) PRECAST CONCRETE CATCH BASIN UNITS MAY BE USED, AS DESCRIBED IN THE STANDARD SPECIFICATIONS.
5) WHERE PRECAST CONCRETE UNIT IS USED FOR THE SUMP, THE TOP OF THE UNIT SHALL BE AT LEAST 6" BELOW THE BOTTOM OF THE PIPE OUTLETTING FROM THE CATCH BASIN.
6) TOP OF FRAME ELEVATION SHALL BE DEPRESSED 1" BELOW NORMAL GUTTER GRADE.
7) PROVIDE 6"(MIN.) GRANULAR FILL UNDER STRUCTURE TO REPLACE UNSUITABLE MATERIAL.

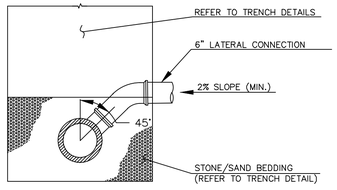


CATCH BASIN
NOT TO SCALE

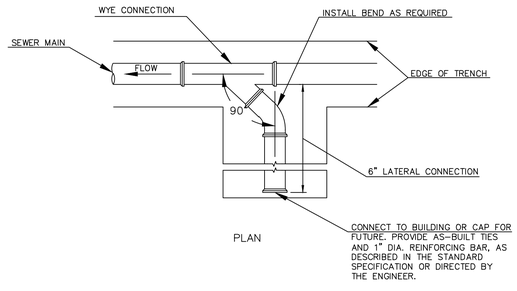
NOTES:
1) FRAME & GRATE SHALL BE CTDOT TYPE "C" OR "C-L" DOUBLE GRATE TYPE II.
2) WALLS OF ALL CATCH BASINS OVER 10 FT. DEEP TO BE INCREASED TO 12" THICKNESS, INSIDE DIMENSIONS TO REMAIN THE SAME.
3) PROVIDE DRAINAGE OPENING IN EACH WALL AT LOWEST INVERT ELEVATION.
4) PRECAST CONCRETE UNITS, BRICK, CLASS "A" CONCRETE OR MASONRY CONCRETE UNITS. WHERE BRICK OR MASONRY CONCRETE UNITS ARE USED, CORBELLING WILL BE PERMITTED. MAXIMUM CORBEL TO BE 3". NO PROJECTION SHALL EXTEND INSIDE LIMITS NOTED BY **.
5) PRECAST CONCRETE CATCH BASIN UNITS MAY BE USED, AS DESCRIBED IN THE STANDARD SPECIFICATIONS.
6) WHERE PRECAST CONCRETE UNIT IS USED FOR THE SUMP, THE TOP OF THE UNIT SHALL BE AT LEAST 6" BELOW THE BOTTOM OF THE PIPE OUTLETTING FROM THE CATCH BASIN.
7) TOP OF FRAME ELEVATION SHALL BE DEPRESSED 1" BELOW NORMAL GUTTER GRADE.
8) PROVIDE 6"(MIN.) GRANULAR FILL UNDER STRUCTURE TO REPLACE UNSUITABLE MATERIAL.



DOUBLE CATCH BASIN – TYPE II
NOT TO SCALE

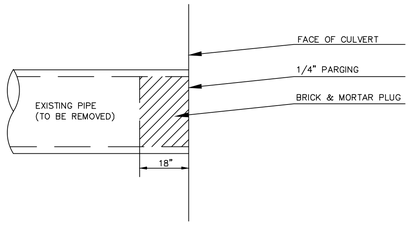


SECTION



PLAN

SEWER LATERAL
NOT TO SCALE



PIPE PLUG
NOT TO SCALE

TRENCH NOTES

1) EXAMPLES OF FLEXIBLE PIPE ARE P.V.C. AND H.D.P.E.

2) H.D.P.E. PIPE SHALL ONLY BE USED WITH APPROVAL FROM THE CITY ENGINEER.

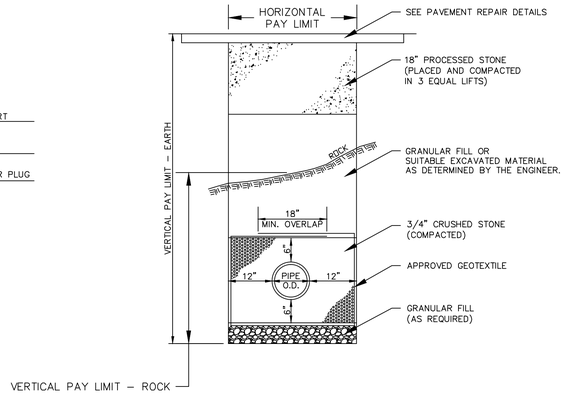
3) THE GEOTEXTILE SHALL BE FITTED AROUND MANHOLES AND EXTEND 1' UP THE MANHOLE. ALL LAPS SHALL BE A MINIMUM OF 18".

4) FOLLOW PROCEDURES AND SPECIFICATION IN ASTM D2321 AND ASTM D3034 SDR35 FOR 6"– 15" AND ASTM F679, TYPE 1, SDR35 FOR LARGER PIPE.

5) ALL NEW SANITARY AND STORM INSTALLATIONS SHALL BE TELEVISED.

6) IN AREAS WHERE THE PIPE IS LOCATED WITHIN ROCK EXCAVATION, THE GEOTEXTILE NEED ONLY BE PLACED ALONG THE TOP OF THE 3/4" CRUSHED STONE, EXTENDING UP 6" ALONG EITHER SIDE OF THE TRENCH.

7) IN CASES WHERE PIPE MANUFACTURER'S RECOMMENDATIONS ARE DIFFERENT FROM THIS DETAIL, CONSULT WITH CITY ENGINEER FOR APPROVAL.



STORM AND SANITARY SEWER
TRENCH EXCAVATION AND BACKFILL – FLEXIBLE PIPE
NOT TO SCALE

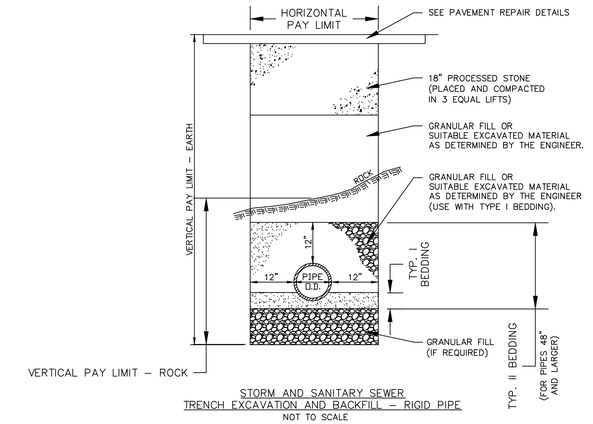
TRENCH NOTES

1) EXAMPLES OF RIGID PIPE ARE R.C.P. AND D.I.P.

2) ALL NEW SANITARY AND STORM INSTALLATIONS SHALL BE TELEVISED.

3) PIPE BEDDING SHALL CONFORM TO SECTION 2.09 "GRANULAR/SAND CUSHION"

BEDDING TYPE	PIPE SIZE	DEPTH BELOW PIPE	HEIGHT ABOVE INV.	HEIGHT ABOVE TOP
I	LESS THAN 48"	4" (EARTH) 12" (ROCK)	25% PIPE O.D.	–
II	48" AND LARGER	4" (EARTH) 12" (ROCK)	–	12"



STORM AND SANITARY SEWER
TRENCH EXCAVATION AND BACKFILL – RIGID PIPE
NOT TO SCALE

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
DRAWN BY: C. POLKOWSKI
CHECKED BY: R. TROTTIER
DATE: 8/4/16

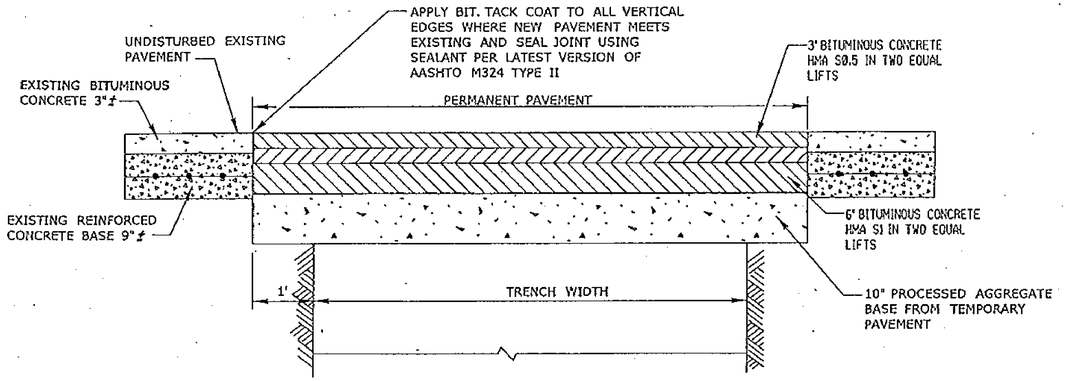
HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

REV.	DATE	DESCRIPTION	BY	APP'D

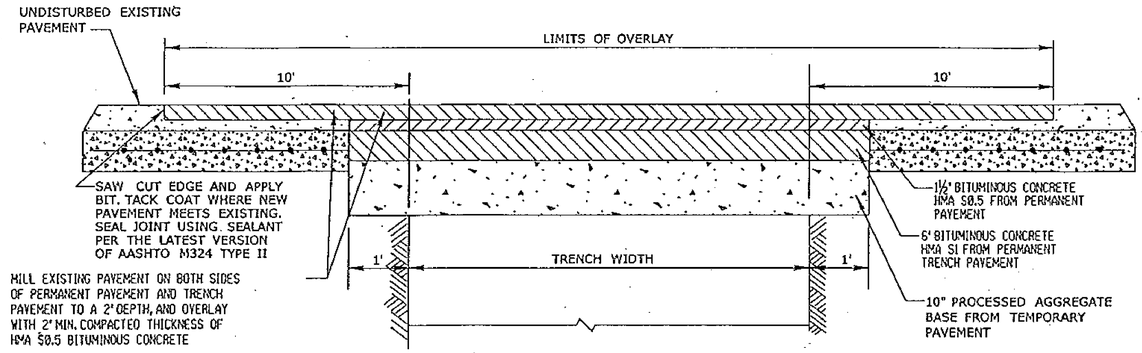
SCALE
JOB NO. 88-185

CATCH BASIN & PIPE DETAILS

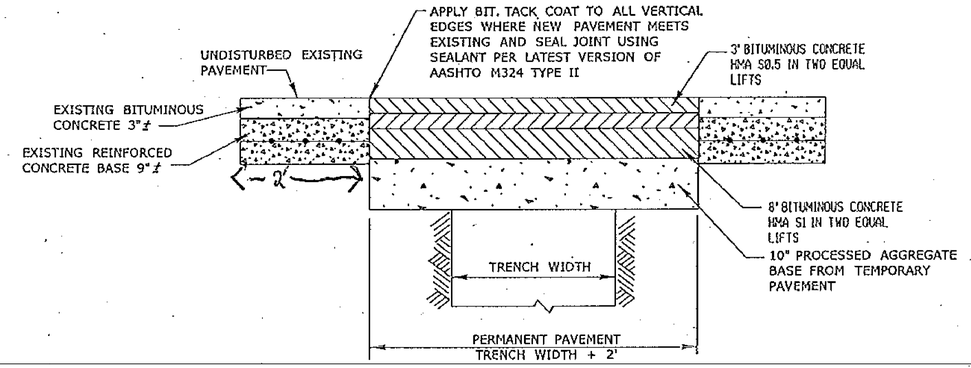
SUBSET 6.2



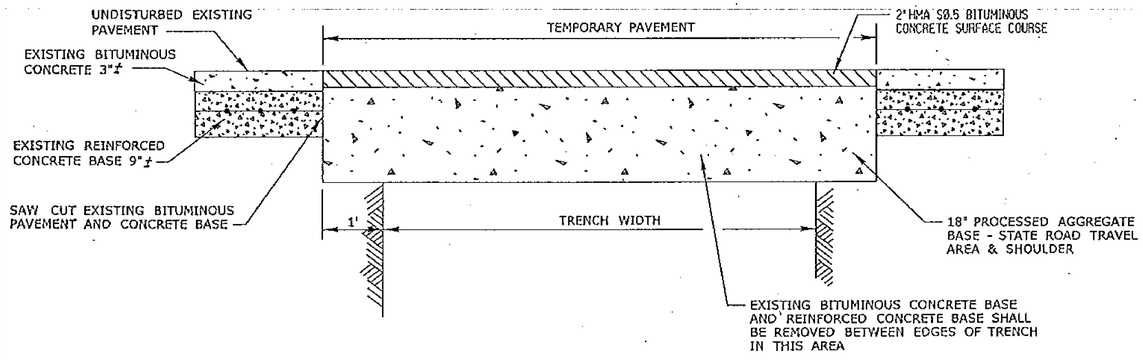
PERMANENT PAVEMENT TRENCH DETAIL
TRENCHES PERPENDICULAR TO EDGE OF PAVEMENT



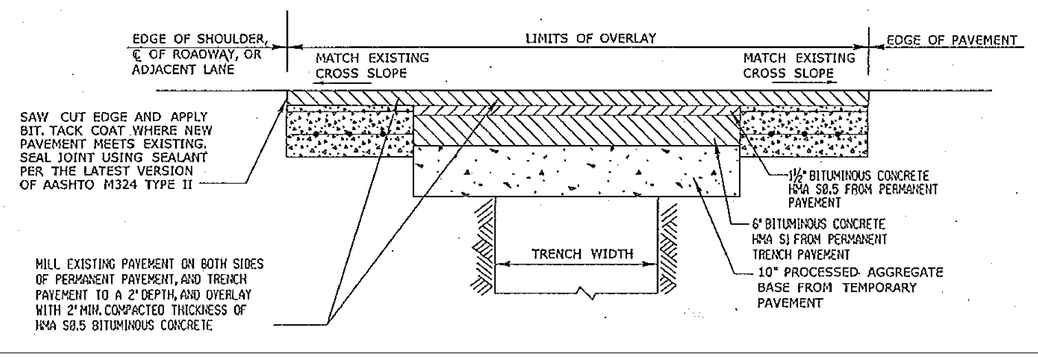
MILLING AND OVERLAY
TRENCHES PERPENDICULAR TO EDGE OF PAVEMENT



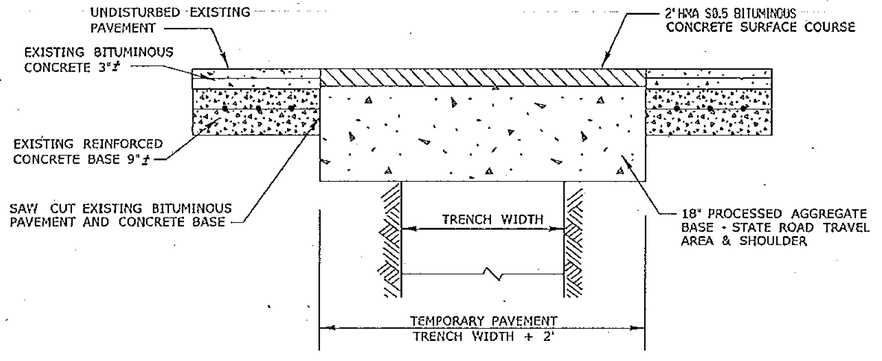
PERMANENT PAVEMENT TRENCH DETAIL
TRENCH PARALLEL TO EDGE OF PAVEMENT



TEMPORARY PAVEMENT DETAIL
TRENCHES PERPENDICULAR TO EDGE OF PAVEMENT



MILLING AND OVERLAY
TRENCH PARALLEL TO EDGE OF PAVEMENT



TEMPORARY PAVEMENT DETAIL
TRENCH PARALLEL TO EDGE OF PAVEMENT

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
DRAWN BY: C. POLKOWSKI
CHECKED BY: R. TROTTIER
DATE: 8/4/16

HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

REV.	DATE	DESCRIPTION	BY	APP'D

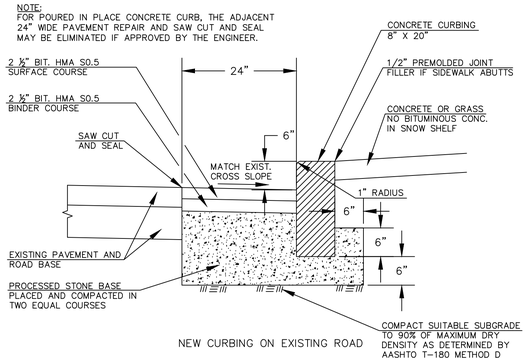
SCALE

JOB NO. 88-185

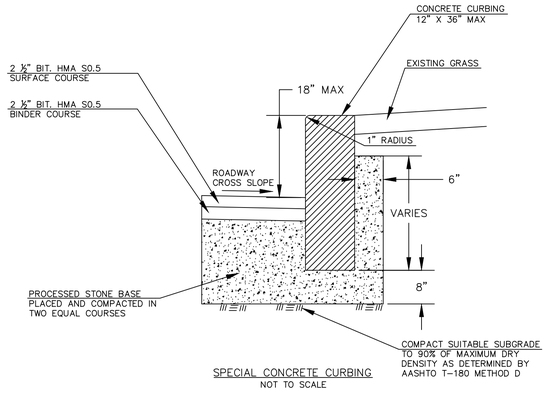
STATE ROAD TRENCH DETAILS

SUBSET 6.3

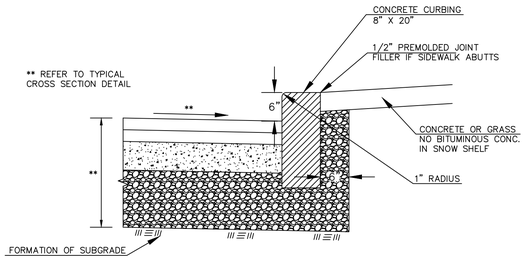
NOTE:
FOR POURED IN PLACE CONCRETE CURB, THE ADJACENT 24" WIDE PAVEMENT REPAIR AND SAW CUT AND SEAL MAY BE ELIMINATED IF APPROVED BY THE ENGINEER.



NEW CURBING ON EXISTING ROAD

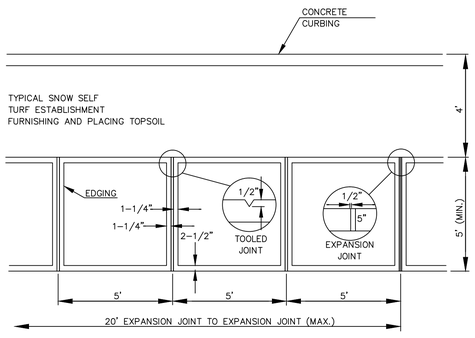


SPECIAL CONCRETE CURBING
NOT TO SCALE

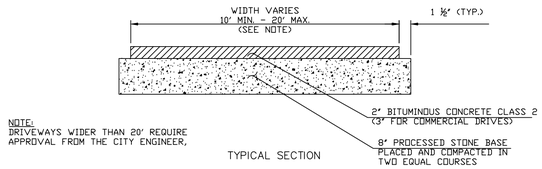


NEW ROAD CONSTRUCTION

CONCRETE CURBING
NOT TO SCALE

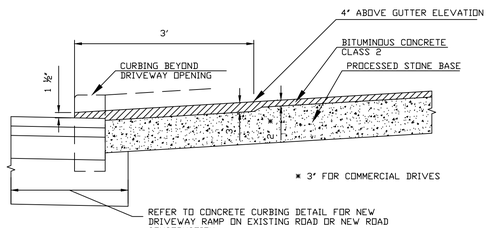


SIDEWALK JOINT AND EDGING DETAIL
NOT TO SCALE

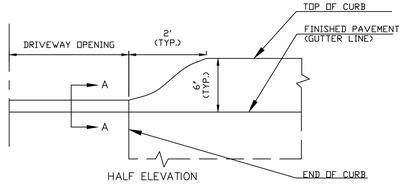


NOTE:
DRIVEWAYS WIDER THAN 20' REQUIRE APPROVAL FROM THE CITY ENGINEER,

TYPICAL SECTION



SECTION A-A

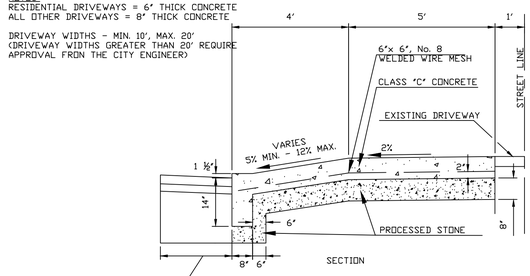


HALF ELEVATION

BITUMINOUS DRIVEWAY RAMP
NOT TO SCALE

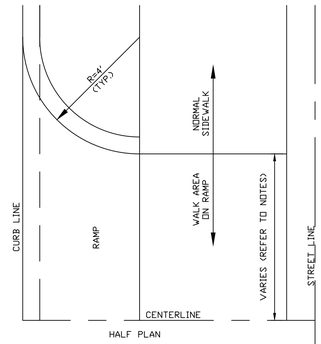
NOTES:
RESIDENTIAL DRIVEWAYS = 6" THICK CONCRETE
ALL OTHER DRIVEWAYS = 8" THICK CONCRETE

DRIVEWAY WIDTHS - MIN. 10', MAX. 20'
(DRIVEWAY WIDTHS GREATER THAN 20' REQUIRE APPROVAL FROM THE CITY ENGINEER)



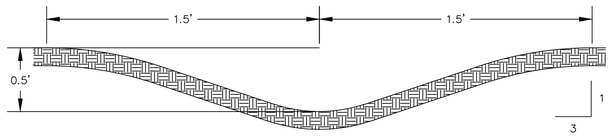
SECTION

REFER TO CONCRETE CURBING DETAIL FOR NEW DRIVEWAY RAMP ON EXISTING ROAD OR NEW ROAD CONSTRUCTION

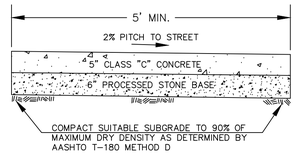


HALF PLAN

CONCRETE DRIVEWAY RAMP
NOT TO SCALE



DRAINAGE SWALE DETAIL
NOT TO SCALE



WALK SECTION

CONCRETE SIDEWALK TYPICAL SECTIONS
NOT TO SCALE

SIDEWALK TYPICAL SECTIONS & DETAILS

SUBSET 6.4

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
DRAWN BY: C. POLKOWSKI
CHECKED BY: R. TROTTIER
DATE: 8/4/16

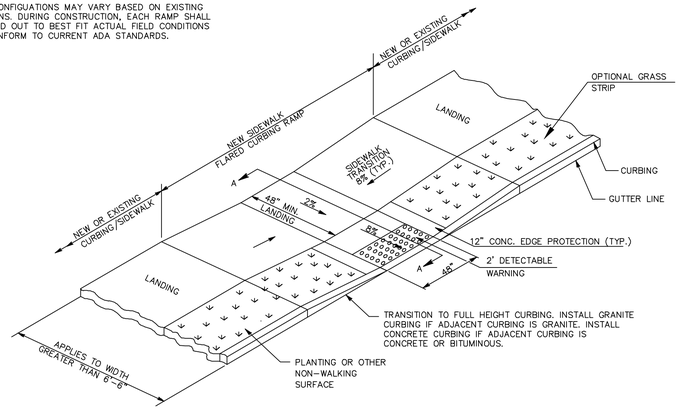
HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

REV.	DATE	DESCRIPTION	BY	APP'D

SCALE

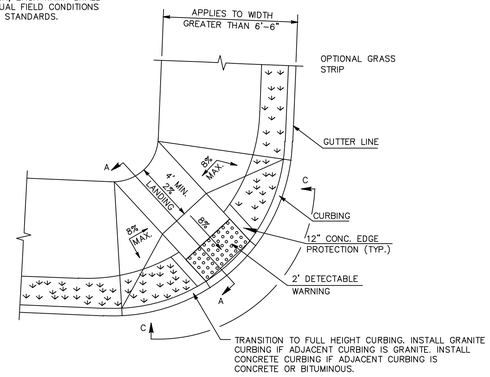
JOB NO. 88-185

NOTE:
RAMP CONFIGUATIONS MAY VARY BASED ON EXISTING LOCATIONS. DURING CONSTRUCTION, EACH RAMP SHALL BE LAYED OUT TO BEST FIT ACTUAL FIELD CONDITIONS AND CONFORM TO CURRENT ADA STANDARDS.



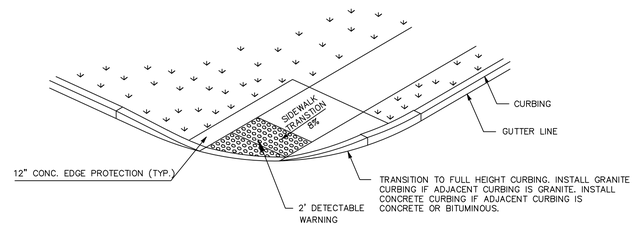
SIDEWALK RAMP TYPE 2
NOT TO SCALE

NOTE:
RAMP CONFIGUATIONS MAY VARY BASED ON EXISTING LOCATIONS. DURING CONSTRUCTION, EACH RAMP SHALL BE LAYED OUT TO BEST FIT ACTUAL FIELD CONDITIONS AND CONFORM TO CURRENT ADA STANDARDS.



SIDEWALK RAMP TYPE 3
NOT TO SCALE

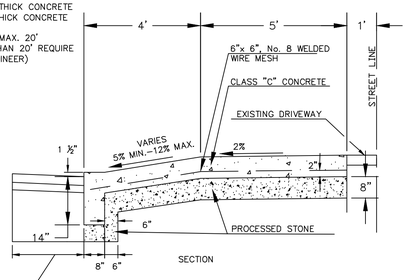
NOTE:
RAMP CONFIGUATIONS MAY VARY BASED ON EXISTING LOCATIONS. DURING CONSTRUCTION, EACH RAMP SHALL BE LAYED OUT TO BEST FIT ACTUAL FIELD CONDITIONS AND CONFORM TO CURRENT ADA STANDARDS.



SIDEWALK RAMP TYPE 5
NOT TO SCALE

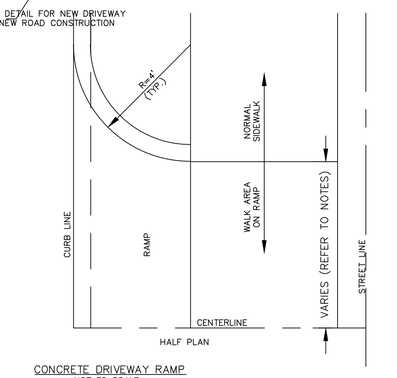
NOTES:
RESIDENTIAL DRIVEWAYS = 6" THICK CONCRETE
ALL OTHER DRIVEWAYS = 8" THICK CONCRETE

DRIVEWAY WIDTHS – MIN. 10', MAX. 20'
(DRIVEWAY WIDTHS GREATER THAN 20' REQUIRE APPROVAL FRON THE CITY ENGINEER)



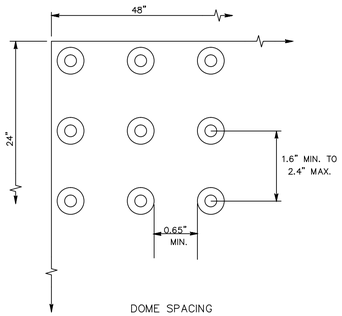
SECTION

REFER TO CONCRETE CURBING DETAIL FOR NEW DRIVEWAY RAMP ON EXISTING ROAD OR NEW ROAD CONSTRUCTION

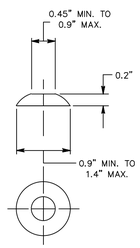


HALF PLAN

CONCRETE DRIVEWAY RAMP
NOT TO SCALE

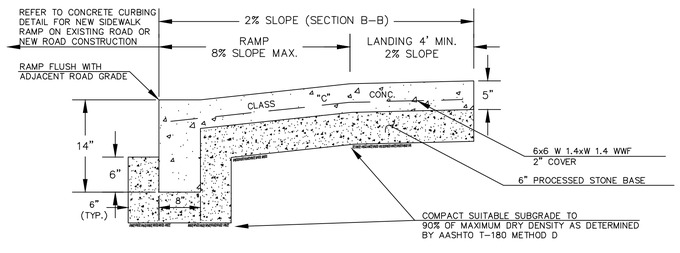


DOME SPACING

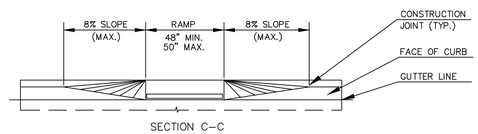


DOME SECTION

SIDEWALK RAMP DETECTABLE WARNING DETAIL
NOT TO SCALE



SECTION A-A (SECTION B-B)



SECTION C-C

SIDEWALK RAMP TYPICAL SECTIONS
NOT TO SCALE

CONCRETE RAMP & APRON DETAILS

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
DRAWN BY: C. POLKOWSKI
CHECKED BY: R. TROTTIER
DATE: 8/4/16

HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

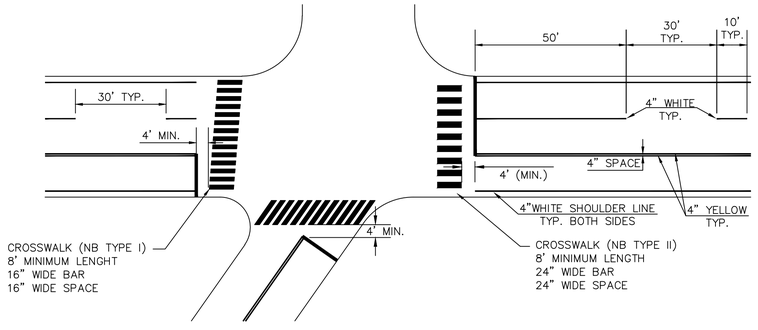
REV.	DATE	DESCRIPTION	BY	APP'D

SCALE

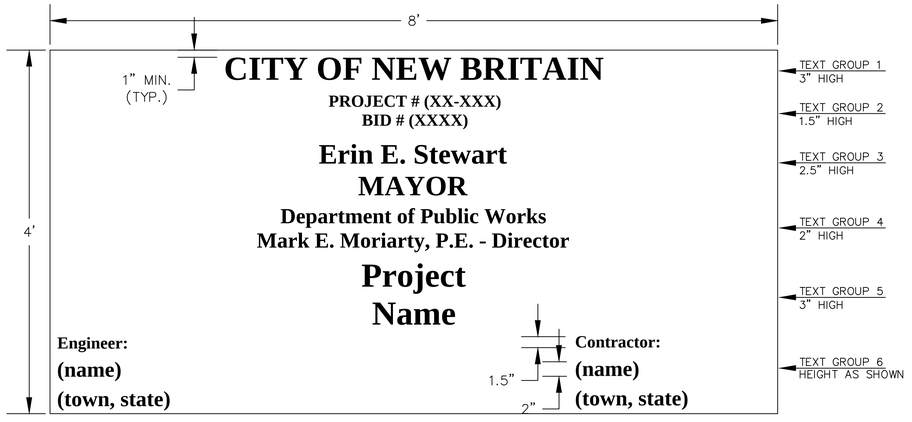
JOB NO. 88-185

SUBSET 6.5

NOTES:
1. STOP BARS SHALL BE WHITE AND 12" MINIMUM UNLESS NOTED ON PLANS.
2. STOP BARS TO BE MARKED A MINIMUM OF 4' IN ADVANCE OF NEAREST EDGE OF CROSSWALK AND SHOULD BE PLACED 90 DEGREES TO THE CENTERLINE OF THE ROADWAY.
3. IN ABSENCE OF MARKED CROSSWALK, THE STOP BAR SHALL BE PLACED AT THE DESIRED STOPPING POINT.
4. CROSSWALK (NB TYPE II) SHALL BE USED IN SCHOOL ZONES, NEAR PUBLIC BUILDINGS, HOSPITALS AND AT MID-BLOCK CROSSINGS.
5. AT LOCATIONS WHERE THE CROSSWALK IS SKEWED, BARS ARE TO BE PARALLEL TO THE CENTERLINE AND ENDS OF BARS ARE TO BE PARALLEL.
6. 16" WIDE BARS ARE TO BE CENTERED ON YELLOW CENTERLINE, FOR 2' WIDE BARS, CENTER SPACE BETWEEN BARS ON YELLOW CENTERLINE.
7. ALL PAVEMENT MARKING SHALL BE EPOXY RESIN.



TYPICAL PAVEMENT MARKINGS
NOT TO SCALE



NOTES:
1) SIGN COLORS SHALL BE GOLD LETTERS ON A MAROON BACKGROUND (COLOR SAMPLES AND SEAL MAY BE OBTAINED FROM CITY ON REQUEST).
2) LETTERING FONT SHALL BE "TIMES NEW ROMAN" BOLDED.
3) VERTICAL SPACING OF LINES WITHIN EACH GROUP OF TEXT SHALL BE 50%-70% TEXT HEIGHT.
4) EACH GROUP OF TEXT (6) SHALL BE EVENLY SPACES (VERTICALLY), TO PROVIDE LAYOUT AS SHOWN.
5) SIGN SHALL BE MOUNTED ON SUITABLE SUPPORTS (2) OR ATTACHED TO EXISTING OBJECT, AS DIRECTED BY THE ENGINEER.

TYPICAL PROJECT SIGN
NOT TO SCALE

SIGNAGE & PAVEMENT MARKING DETAILS

SUBSET 6.6

HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

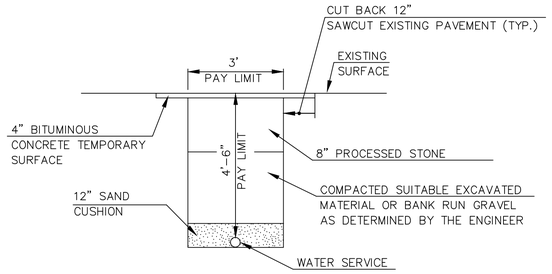
SCALE

JOB NO. 88-185

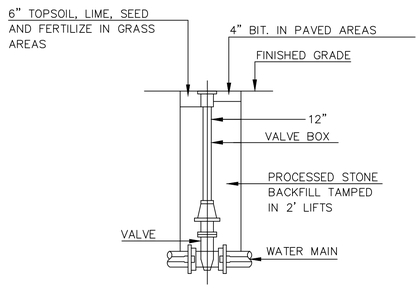
REV.	DATE	DESCRIPTION	BY	APP'D

DESIGNED BY: C. POLKOWSKI
DRAWN BY: C. POLKOWSKI
CHECKED BY: R. TROTTIER
DATE: 8/4/16

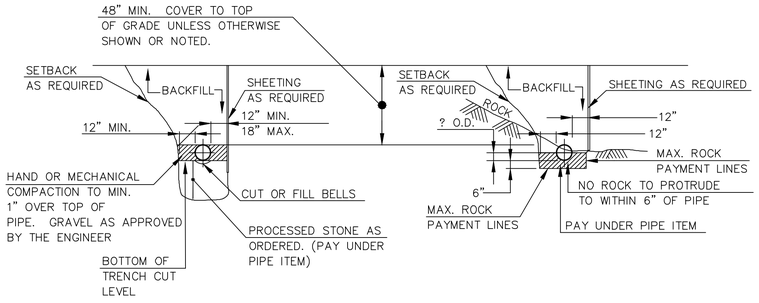
CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT



WATER SERVICE TRENCH DETAIL
NOT TO SCALE



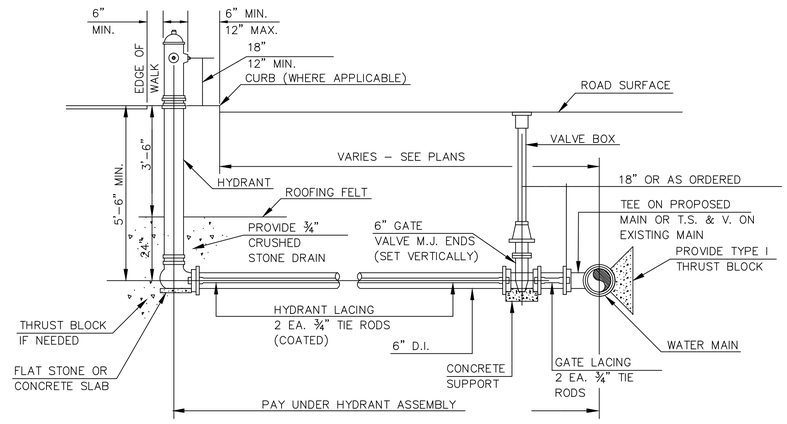
VALVE BOX BACKFILL
NOT TO SCALE



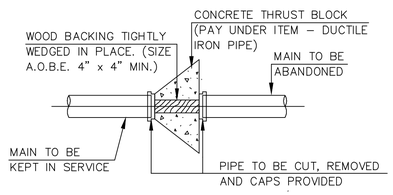
TRENCH IN EARTH

TRENCH IN ROCK

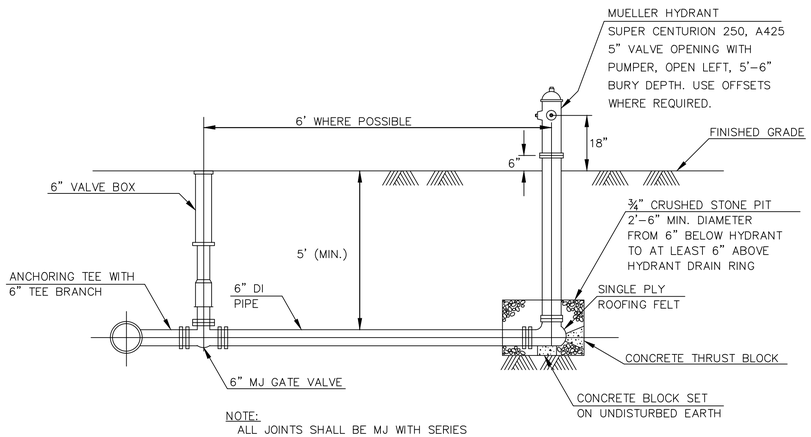
WATER MAIN TYPICAL TRENCH
CROSS-SECTION
NOT TO SCALE



HYDRANT ASSEMBLY DETAIL
NOT TO SCALE



PLUGGING OF PIPE TO BE ABANDONED
NOT TO SCALE



NOTE:
ALL JOINTS SHALL BE MJ WITH SERIES
1100 MEGA-LUG FOLLOWER GLANDS.

HYDRANT ASSEMBLY DETAIL
NOT TO SCALE



CAST IRON GATE BOX
COVER
NOT TO SCALE

WATER MAIN NOTES

1. RESTRAIN LENGTHS BASED ON 125 PSI WORKING PRESSURE AND 200 PSI TEST PRESSURE.
2. ALL BENDS, TEES AND PLUGS SHALL ALSO BE RESTRAINED WITH THRUST BLOCKS.
3. ALL JOINTS ON HYDRANT ASSEMBLIES SHALL BE MECHANICAL.
4. THE CONTRACTOR IS TO RESTRAIN EXISTING GATE VALVES PRIOR TO SHUTTING OFF WATER WHEN MAKING CONNECTIONS.
5. LOCATION FOR BLOW-OFF ASSEMBLIES AND STERILIZATION CORPORATIONS SHALL BE DETERMINED IN THE FIELD.
6. ALL HYDRANTS SHALL BE RESTRAINED FROM HYDRANT TO THE TEE.
7. BLOW-OFF ASSEMBLIES AND AIR VALVES SHALL BE AS MANUFACTURED BY WEDGE MANUFACTURING OR APPROVED EQUAL & SHALL BE SUBMITTED FOR APPROVAL.

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
DRAWN BY: C. POLKOWSKI
CHECKED BY: R. TROTTIER
DATE: 8/4/16

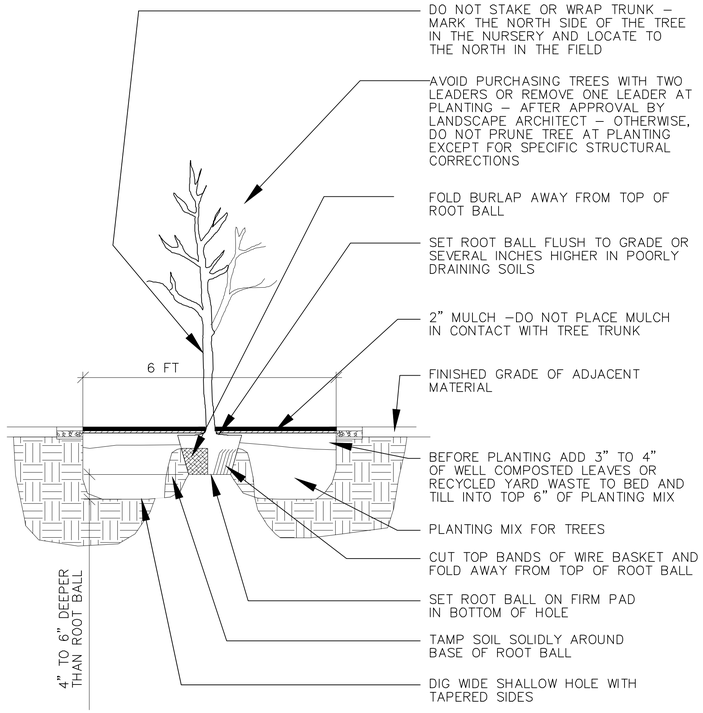
HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

REV.	DATE	DESCRIPTION	BY	APP'D

SCALE
JOB NO. 88-185

MUNICIPAL WATER DETAILS

SUBSET 6.7



NOTES:

1. FOR CONTAINER GROWN TREES, USE FINGERS OR SMALL HAND TOOLS TO PULL THE ROOTS OUT OF THE OUTER LAYER OF POTTING SOIL; THEN CUT OR PULL APART ANY ROOTS CIRCLING THE PERIMETER OF THE CONTAINER

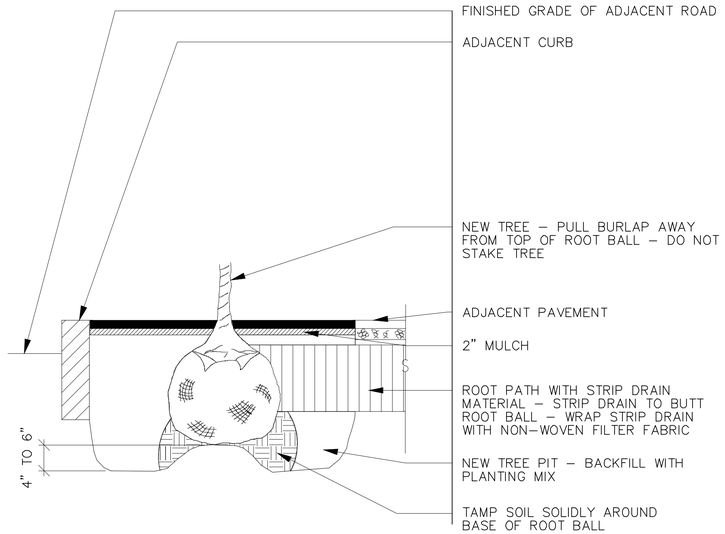
2. INCORPORATE COMMERCIALLY PREPARED MYCORRHIZ A SPORES IN THE SOIL IMMEDIATELY AROUND THE ROOT BALL AT RATES SPECIFIED BY THE MANUFACTURER

3. THOROUGHLY SOAK THE TREE ROOT BALL AND ADJACENT PREPARED SOIL SEVERAL TIMES DURING THE FIRST MONTH AFTER PLANTING AND REGULARLY THROUGHOUT THE FOLLOWING TWO SUMMERS.

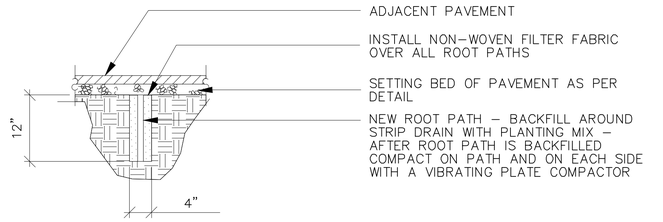
4. THE PLANTING PROCESS IS SIMILAR FOR DECIDUOUS AND EVERGREEN TREES

TREE PLANTING (BALLED AND BURLAPPED PLANTS)

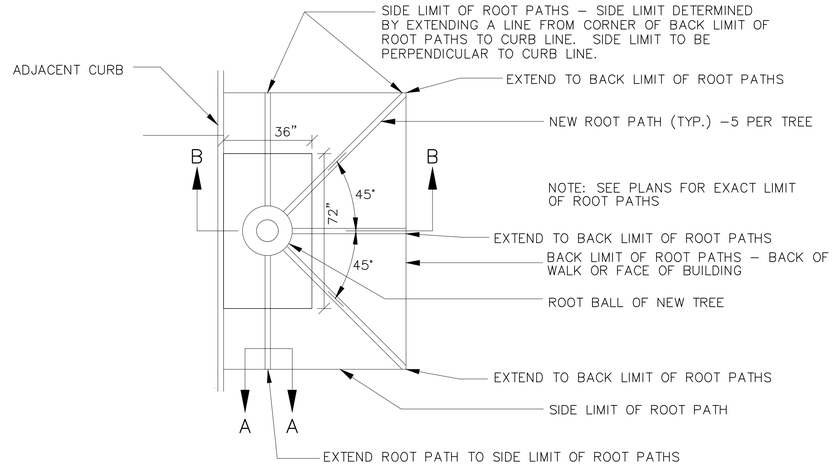
NOT TO SCALE



SECTION B–B



SECTION A–A



PLAN

STREET TREE WITH ROOT PATHS

NOT TO SCALE

STREETSCAPE DETAILS

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
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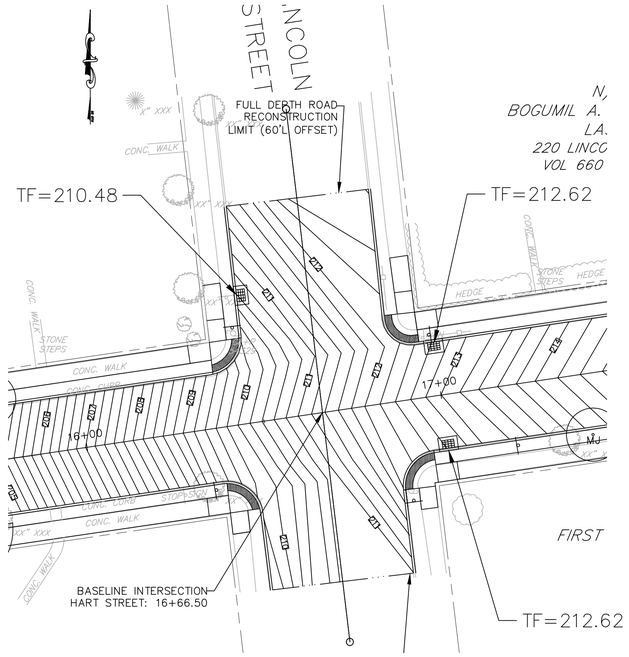
DATE: 8/4/16

HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

REV.	DATE	DESCRIPTION	BY	APP'D

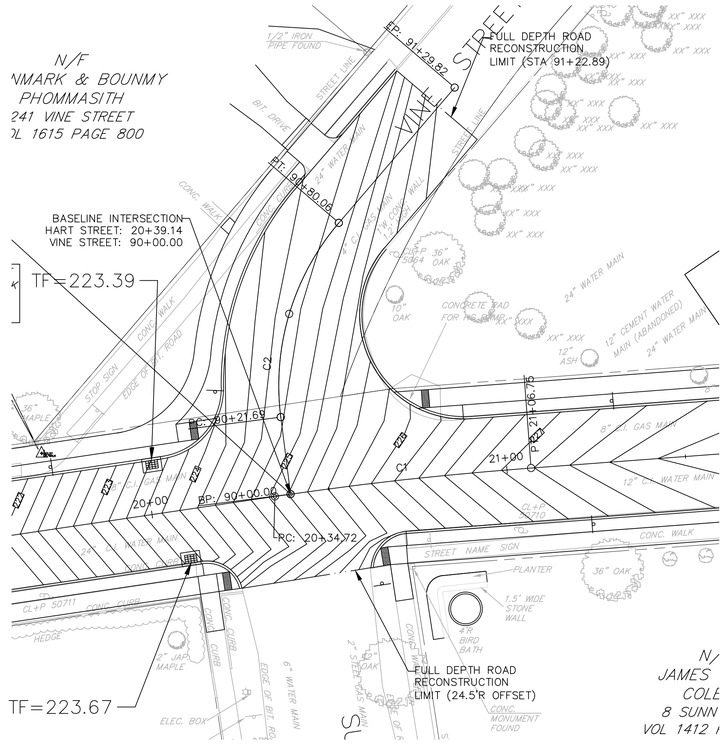
SCALE
JOB NO. 88–185

SUBSET 6.8



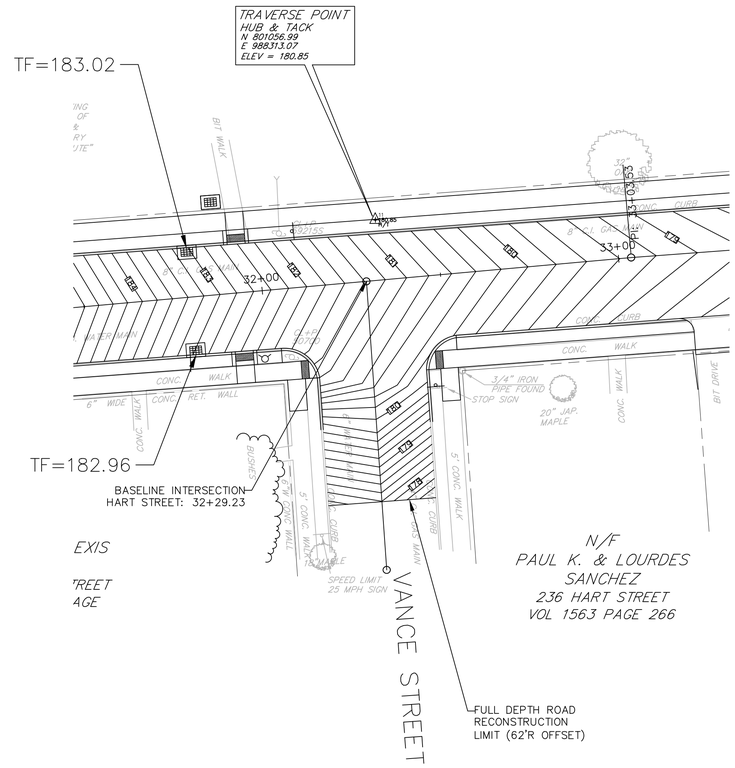
HART STREET & LINCOLN STREET

CONTOUR INTERVAL = 0.2'



HART STREET & VINE STREET

CONTOUR INTERVAL = 0.2'



HART STREET & VANCE STREET

CONTOUR INTERVAL = 0.2'

20 10 0 20 40 60

HORIZONTAL SCALE IN FEET

(1" = 20')

INTERSECTION GRADING PLAN

HART STREET

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
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HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

REV.	DATE	DESCRIPTION	BY	APP'D

SCALE 1" = 20'

JOB NO. 88-185

SUBSET 7.1

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
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HART STREET RECONSTRUCTION

CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

REV.	DATE	DESCRIPTION	BY	APP'D

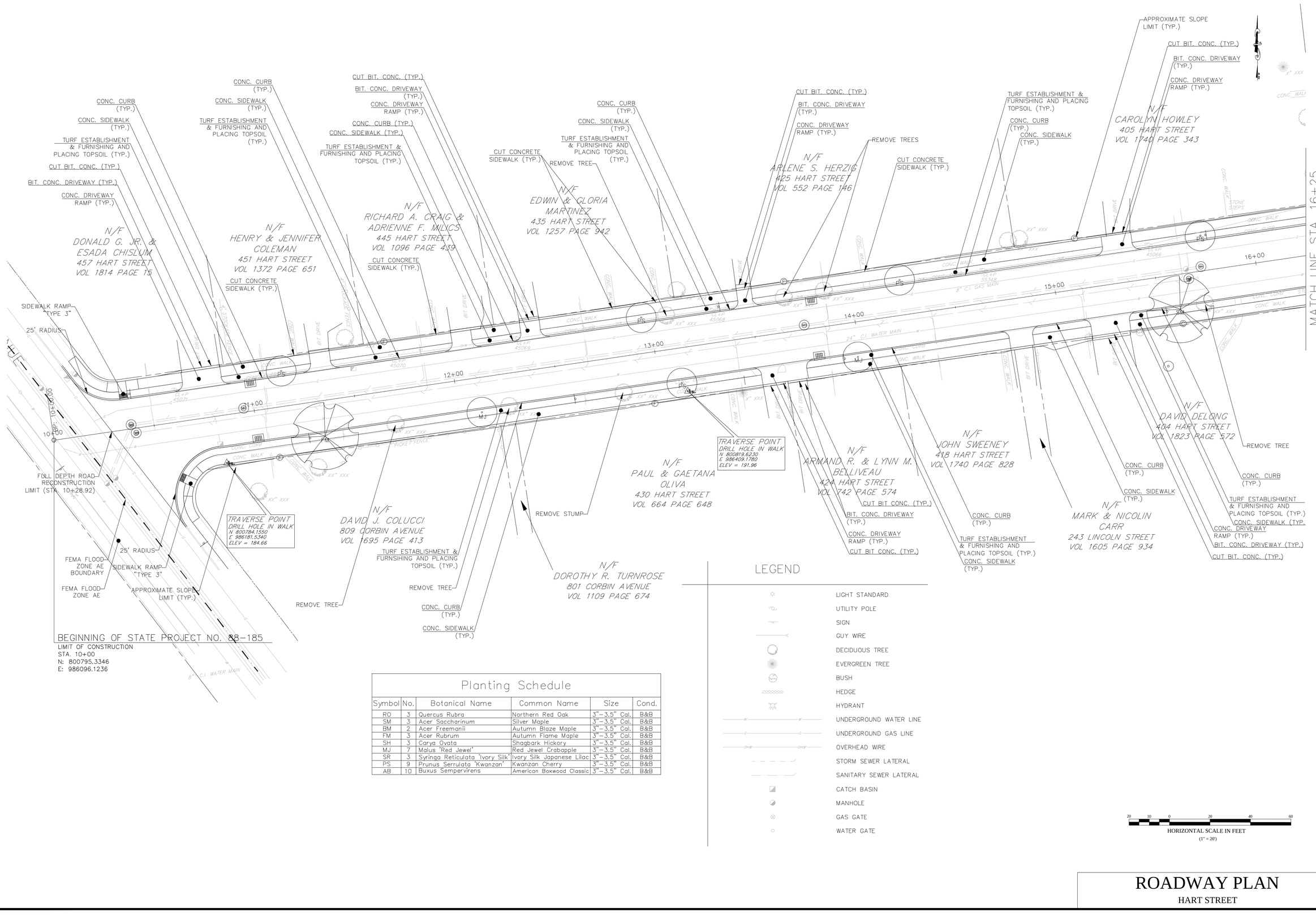
SCALE

JOB NO. 88-185

SUBSET 8.1

BOUNDARY & CONTROL

HART STREET



Planting Schedule

Symbol	No.	Botanical Name	Common Name	Size	Cond.
RO	3	Quercus Rubra	Northern Red Oak	3"–3.5" Cal.	B&B
SM	3	Acer Saccharinum	Silver Maple	3"–3.5" Cal.	B&B
BM	2	Acer Freemanii	Autumn Blaze Maple	3"–3.5" Cal.	B&B
FM	3	Acer Rubrum	Autumn Flame Maple	3"–3.5" Cal.	B&B
SH	3	Carya Ovata	Shagbark Hickory	3"–3.5" Cal.	B&B
MJ	7	Malus 'Red Jewel'	Red Jewel Crabapple	3"–3.5" Cal.	B&B
SR	3	Syringa Reticulata 'Ivory Silk'	Ivory Silk Japanese Lilac	3"–3.5" Cal.	B&B
PS	9	Prunus Serrulata 'Kwanzan'	Kwanzan Cherry	3"–3.5" Cal.	B&B
AB	10	Buxus Sempervirens	American Boxwood Classic	3"–3.5" Cal.	B&B

LEGEND

- LIGHT STANDARD
- UTILITY POLE
- SIGN
- GUY WIRE
- DECIDUOUS TREE
- EVERGREEN TREE
- BUSH
- HEDGE
- HYDRANT
- UNDERGROUND WATER LINE
- UNDERGROUND GAS LINE
- OVERHEAD WIRE
- STORM SEWER LATERAL
- SANITARY SEWER LATERAL
- CATCH BASIN
- MANHOLE
- GAS GATE
- WATER GATE

20 10 0 20 40 60
HORIZONTAL SCALE IN FEET
(1" = 20')

ROADWAY PLAN
HART STREET

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
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HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

REV.	DATE	DESCRIPTION	BY	APP'D

SCALE 1" = 20'
JOB NO. 88-185
SUBSET 9.1

Curve Table: Alignments							
CURVE NO.		NORTHING	EASTING	Δ	RADIUS	TANGENT	LENGTH
C1	PC PI PT	800946.42 800951.68 800954.36	987119.75 987155.40 987191.33	4°07'38"	1000.000	36.03	72.033
C2	PC PI PT	800968.57 800999.32 801022.88	987121.40 987117.49 987137.64	47°46'25"	70.000	31.00	58.366

Planting Schedule					
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HORIZONTAL SCALE IN FEET
(1" = 20')

ROADWAY PLAN
HART STREET

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

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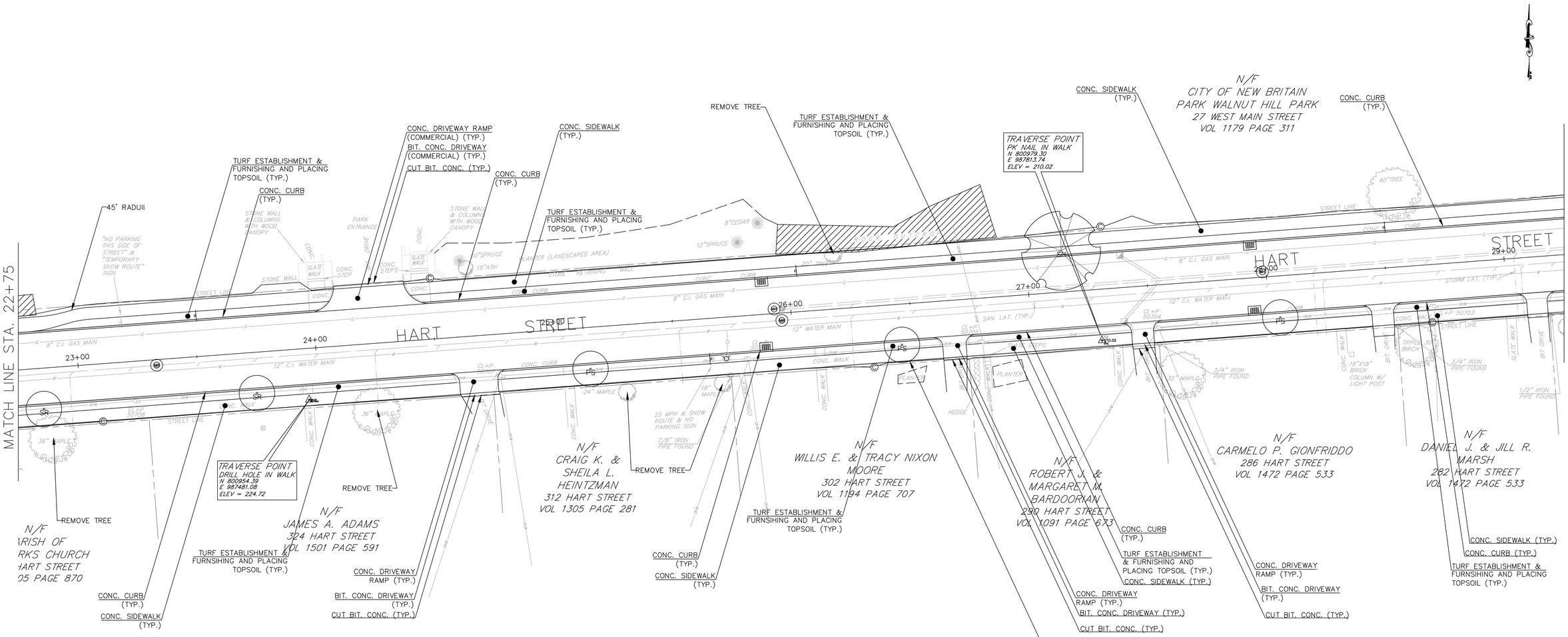
HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

REV.	DATE	DESCRIPTION	BY	APP'D

SCALE 1" = 20'
JOB NO. 88-185
SUBSET 9.2



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- GAS GATE
- WATER GATE

20 10 0 20 40 60

HORIZONTAL SCALE IN FEET
(1" = 20')

ROADWAY PLAN
HART STREET

SUBSET 9.3

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
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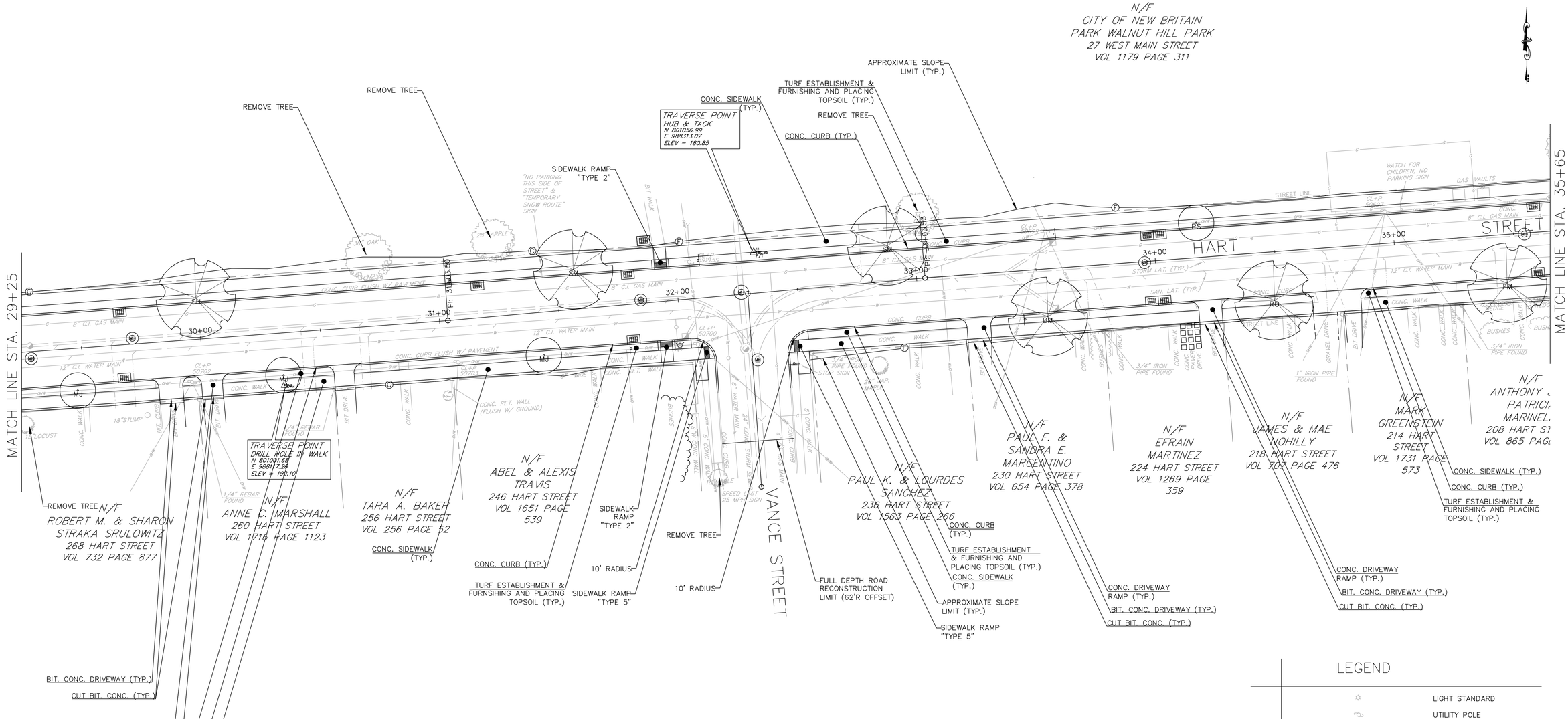
DATE: 8/4/16

HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

REV.	DATE	DESCRIPTION	BY	APP'D

SCALE 1" = 20'
JOB NO. 88-185



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HORIZONTAL SCALE IN FEET
(1" = 20')

ROADWAY PLAN
HART STREET

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
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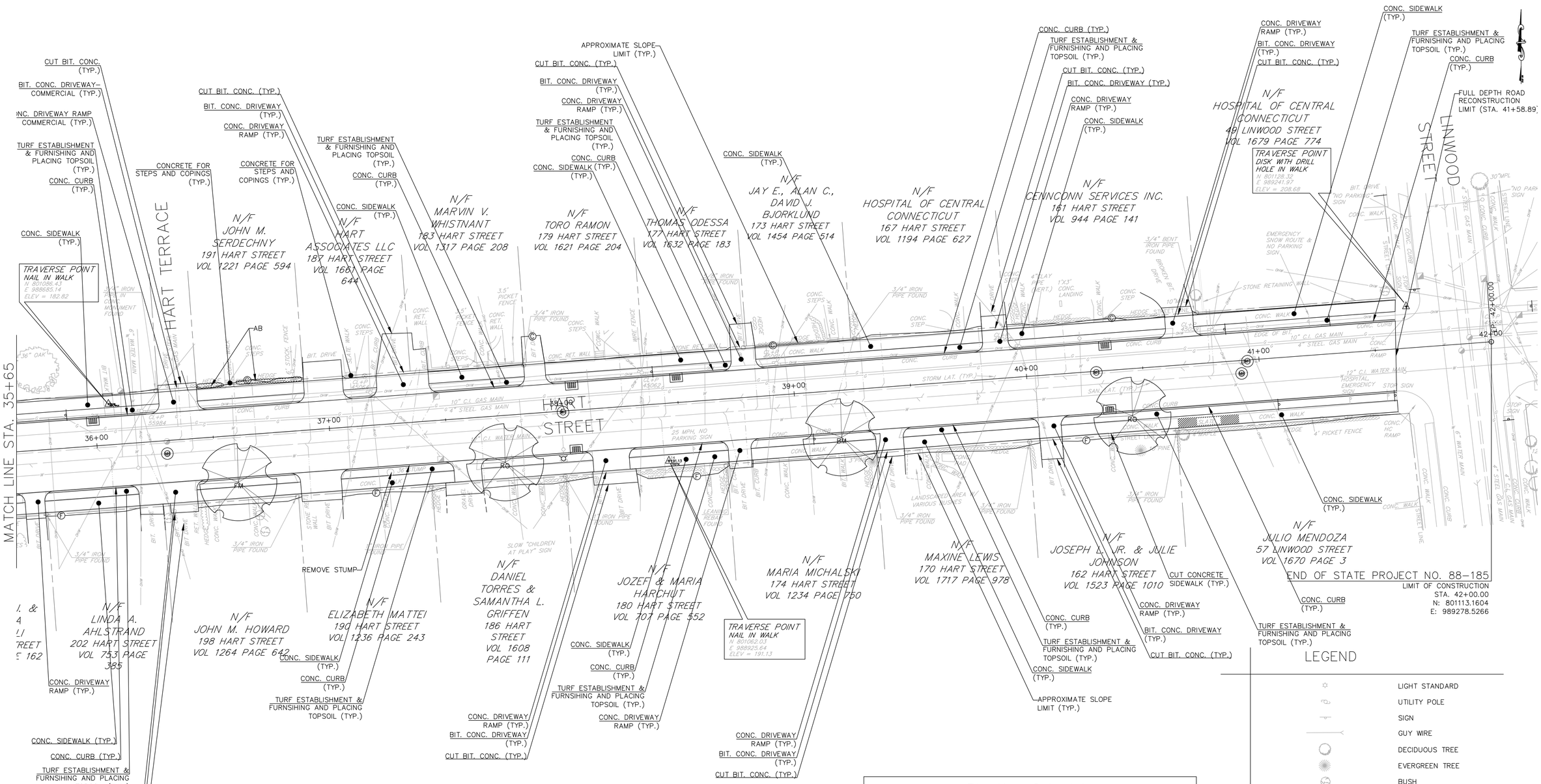
HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

REV.	DATE	DESCRIPTION	BY	APP'D

SCALE 1" = 20'
JOB NO. 88-185
SUBSET 9.4



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20 10 0 20 40 60
HORIZONTAL SCALE IN FEET
(1" = 20')

LEGEND

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ROADWAY PLAN
HART STREET

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
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HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

REV.	DATE	DESCRIPTION	BY	APP'D

SCALE 1" = 20'
JOB NO. 88–185
SUBSET 9.5

Notes:
1. Inverts are measured at center of MH and cross slope of MH will be a standard 1%.
2. Pipe lengths are measured from the centers of structures in the profiles.

PVI Sta.=10+70.68
PVI Elev=184.23
AD=0.70%
K=71.43
50.00' VC

PVI STA = 10+28.95
ELEV = 183.29
PVT Sta. 10+45.68
Elev. 183.66
PVT Sta. 10+95.68
Elev. 184.96

Proposed CB
Sta.11+00 −15.00'L
TF 184.72
Inv 180.75

Proposed Storm MH
Sta.10+95 −1.98'L
TF 184.90
Inv 178.40

Ex Storm MH
Sta.10+39 −1.98'L
TF 183.56
Inv 176.71

Proposed CB
Sta.11+00 15.00'R
TF 184.72
Inv 180.75

Existing CB
Sta.11+51 −15.00'L
TF 186.43
Inv 180.53

2.25%

Ex Sanitary MH
Sta.10+41 2.31'R
TF 183.70
Inv 173.74

L=69.3'
@ 3.3%
Ex 12" Clay Storm

Proposed Storm MH
Sta.10+39 −1.98'L
TF 183.50
Inv 176.60

L=56.2'
@ 3.1%
15" Reinforced Concrete Pipe

Ex CB
Sta.10+81 15.00'R
TF 183.96
Inv 177.95

L=40.0'
@ 3.1%
Ex 12" Clay Storm

2.95%

L=309.8'
@ 3.3%
Ex 12" Clay Storm

L=280.0'
@ 3.2%
15" Reinforced Concrete Pipe

L=525.4'
@ 4.0%
Ex 8" Clay Sanitary

PVT Sta. 13+33.60
Elev. 191.98

PVI Sta.=14+57.32
PVI Elev=195.63
AD=5.05%
K=49.00
247.45' VC

Proposed Storm MH
Sta.13+75 −2.20'L
TF 193.32
Inv 187.50

Proposed CB
Sta.13+80 15.00'R
TF 193.20
Inv 188.50

Proposed CB
Sta.13+80 −15.00'L
TF 193.20
Inv 188.50

L=198.0'
@ 3.7%
15" Reinforced Concrete Pipe

PVT Sta. 15+81.04
Elev. 205.53

PVT Sta. 15+90.92
Elev. 206.32

PVI Sta.=16+61.53
PVI Elev=211.97
AD=−4.87%
K=29.00
141.22' VC

Ex Storm MH
Sta.15+66 −2.07'L
TF 204.88
Inv 197.03

Proposed Storm MH
Sta.15+73 −2.20'L
TF 204.84
Inv 195.00

Ex Sanitary MH
Sta.15+66 2.89'R
TF 204.85
Inv 194.75

L=107.6'
@ 6.0%
Ex 12" Clay Storm

| | | |

Notes:
1. Inverts are measured at center of MH and cross slope of MH will be a standard 1%.
2. Pipe lengths are measured from the centers of structures in the profiles.

PVI Sta.=16+61.53
PVI Elev=211.97
AD=−4.87%
K=29.00
141.22' VC

Proposed CB
Sta.17+00 −15.00'L
TF 212.62
Inv 208.93

PVT Sta. 17+32.44
Elev. 214.18

Proposed Storm MH
Sta.16+96 2.29'R
TF 212.77
Inv 208.50

Proposed Storm MH
Sta.16+64 2.29'R
TF 211.21
Inv 200.57

3.13%

L=31.7'
@ 3.5%
12" P.V.C.

L=20.8'
@ 2.0%
12" P.V.C.

Ex Structure − (109)
Sta.17+00 15.00'R
TF 212.62
Inv 208.84

Proposed CB
Sta.16+48 −35.81'L
TF 210.48
Inv 207.00

PVI Sta.=18+70.80
PVI Elev=218.52
AD=0.87%
K=150.00
130.43' VC

PVT Sta. 18+05.58
Elev. 216.48

PVT Sta. 19+36.01
Elev. 221.13

Proposed Storm MH
Sta.20+00 2.29'R
TF 223.63
Inv 219.50

Proposed CB
Sta.20+02 −15.00'L
TF 223.39
Inv 220.42

Proposed CB
Sta.20+09 15.00'R
TF 223.67
Inv 220.39

Ex Sanitary MH
Sta.20+18 −1.11'L
TF 224.68
Inv 216.94

PVT Sta. 20+23.77
Elev. 224.64

4.00%

L=39.9'
@ 3.4%
12" P.V.C.

L=15.5'
@ 2.0%
12" P.V.C.

L=304.0'
@ 3.6%
12" P.V.C.

PVI Sta.=21+73.77
PVI Elev=230.64
AD=−6.75%
K=44.44
300.00' VC

High Point Sta.=22+01.55
High Point Elev.=228.20

L=316.1'
@ 0.8%
Ex 8" Clay Sanitary

16+25	17+00	18+00	19+00	20+00	21+00	22+00	22+75
209.47 / 208.85	211.20 / 210.45	212.55 / 211.83	213.57 / 213.00	214.27 / 213.95	215.11 / 214.74	215.87 / 215.52	216.68 / 216.30
217.45 / 217.10	218.27 / 217.94	219.11 / 218.81	220.04 / 219.73	220.98 / 220.69	222.01 / 221.69	223.04 / 222.69	224.12 / 223.69
225.02 / 224.69	226.02 / 225.61	226.77 / 226.39	227.24 / 227.04	227.70 / 227.54	227.99 / 227.90	228.27 / 228.12	228.37 / 228.20
228.45 / 228.13	228.10 / 227.93	227.70 / 227.59					

VERTICAL SCALE IN FEET
(1" = 4')

HORIZONTAL SCALE IN FEET
(1" = 20')

PROFILE
HART STREET

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
DRAWN BY: C. POLKOWSKI
CHECKED BY: R. TROTTIER
DATE: 8/4/16

HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

REV.	DATE	DESCRIPTION	BY	APP'D

SCALE: AS NOTED
JOB NO. 88−185
SUBSET 10.2

Ex Sanitary MH
Sta.23+33 2.33'R
TF 226.26
Inv 214.50

PVI Sta.=21+73.77
PVI Elev=230.64
AD=-6.75%
K=44.44
300.00' VC

Elev. 226.52
PVT Sta. 23+23.77

-2.75%

PVT Sta. 24+67.89
Elev. 222.55

PVI Sta.=25+42.89
PVI Elev=220.49
AD=-3.15%
K=47.62
150.00' VC

PVT Sta. 26+17.89
Elev. 216.06

Proposed Storm MH
Sta.25+93 1.90'L
TF 217.42
Inv 210.40

Ex Storm MH
Sta.25+96 1.91'L
TF 217.37
Inv 210.35

Proposed CB
Sta.25+89 15.00'R
TF 217.34
Inv 213.00

Proposed CB
Sta.25+89 -15.00'L
TF 217.33
Inv 213.00

L=263.0'
@ 2.7%
Ex 8" Clay Sanitary

Ex Sanitary MH
Sta.25+96 3.12'R
TF 217.38
Inv 207.40

L=157.4'
@ 5.8%
Ex 12" Clay Storm

L=205.5'
@ 5.8%
15" Reinforced Concrete Pipe

Existing CB
Sta.27+39 15.63'R
TF 208.54
Inv 201.57

Existing CB
Sta.27+39 -14.86'L
TF 208.25
Inv 201.19

Proposed CB
Sta.27+94 -15.00'L
TF 205.30
Inv 201.00

Proposed Storm MH
Sta.27+99 2.17'L
TF 205.35
Inv 198.45

Proposed CB
Sta.27+94 15.00'R
TF 205.30
Inv 201.00

-5.90%

L=174.8'
@ 5.8%
Ex 12" Clay Storm

L=332.9'
@ 5.8%
Ex 8" Clay Sanitary

L=173.0'
@ 5.8%
15" Reinforced Concrete Pipe

Notes:
1. Inverts are measured at center of MH and cross slope of MH will be a standard 1%.
2. Pipe lengths are measured from the centers of structures in the profiles.

| | | |

Ex Storm MH
Sta.29+29 2.43'L
TF 198.17
Inv 191.02

Proposed CB
Sta.29+67 −15.00'L
TF 195.09
Inv 191.00

Proposed Storm MH
Sta.29+72 −2.40'L
TF 195.14
Inv 187.80

Proposed CB
Sta.29+67 15.00'R
TF 195.09
Inv 191.00

Ex Sanitary MH
Sta.29+29 2.89'R
TF 198.14
Inv 188.23

L=266.0'
@ 7.1%
Ex 12" Clay Storm

L=272.8'
@ 5.8%
Ex 8" Clay Sanitary

15" Reinforced Concrete Pipe

L=212.9'
@ 1.1%

PVT Sta. 31+12.76
Elev. 186.87

Proposed CB
Sta.31+80 16.15'R
TF 182.96
Inv 178.35

Proposed Storm MH
Sta.31+84 1.38'L
TF 183.13
Inv 172.70

Existing CB
Sta.32+02 16.80'R
TF 180.93
Inv 171.15

Proposed CB
Sta.31+17 −14.80'L
TF 186.25
Inv 181.50

Proposed CB
Sta.31+80 −13.85'L
TF 183.02
Inv 178.35 In
Inv 178.35 Out

Proposed 6' Storm MH
Sta.32+27 0.89'L
TF 181.45
Inv 170.05

Ex Storm MH
Sta.32+26 22.90'R
TF 180.55
Inv 168.90

L=63.0'
@ 5.0%
15" Reinforced Concrete Pipe

PVI Sta.=33+52.56
PVI Elev=172.72
AD=9.81%
K=48.88
479.61' VC

Existing CB
Sta.33+58 −12.04'L
TF 177.72
Inv 170.81

Proposed Storm MH
Sta.33+95 0.43'R
TF 178.35
Inv 171.10

Existing CB
Sta.33+57 18.12'R
TF 177.30
Inv 170.76

Low Point Sta.=34+01.15
Low Point Elev.=178.36

Proposed Type "C" CB
Double Grate−Type II
Sta.34+00 −12.00'L
TF 178.06
Inv 173.89

Ex Sanitary MH
Sta.32+31 27.89'R
TF 180.17
Inv 167.00

L=79.4'
@ 1.0%
Ex 15" Clay Storm

L=38.9'
@ 1.0%
Ex 15" Clay Storm

L=168.9'
@ 0.6%
18" Reinforced Concrete Pipe

L=42.3'
@ 6.3%
15" Reinforced Concrete Pipe

L=24.0'
@ 7.1%
Ex 12" Clay Storm

L=37.7'
@ 14.3%
Ex 8" Clay Sanitary

L=38.3'
@ 1.9%
Ex 8" Clay Sanitary

Proposed Type "C" CB
Double Grate−Type II
Sta.34+00 18.00'R
TF 177.82
Inv 173.65

L=368.1'
@ 1.5%
Ex 8" Clay Sanitary

L=159.0'
@ 2.2%
18" Reinforced Concrete Pipe

Proposed Storm MH
Sta.35+54 0.42'R
TF 180.75
Inv 174.70

Proposed CB
Sta.35+59 −12.00'L
TF 180.61
Inv 176.30 In
Inv 176.30 Out

Proposed CB
Sta.35+59 18.00'R
TF 180.37
Inv 176.30

L=293.2'
@ 2.2%
Ex 12" Clay Storm

Notes:
1. Inverts are measured at center of MH and cross slope of MH will be a standard 1%.
2. Pipe lengths are measured from the centers of structures in the profiles.

200 195 190 185 180 175 170 165

198.61 197.94 | 197.15 196.47 | 195.71 194.99 | 194.31 193.52 | 192.89 192.04 | 191.49 190.57 | 190.06 189.09 | 188.59 187.62 | 187.14 186.16 | 185.63 184.81 | 184.09 183.59 | 182.69 182.50 | 181.34 181.53 | 180.34 180.70 | 179.60 179.99 | 179.21 179.41 | 178.82 178.95 | 178.55 178.63 | 178.43 178.43 | 178.51 178.36 | 178.60 178.42 | 178.78 178.60 | 179.13 178.92 | 179.64 179.36 | 180.10 179.93 | 180.59 180.63 | 181.28 181.11

29+25 30+00 31+00 32+00 33+00 34+00 35+00 35+65

VERTICAL SCALE IN FEET
(1" = 4')

HORIZONTAL SCALE IN FEET
(1" = 20')

PROFILE
HART STREET

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
DRAWN BY: C. POLKOWSKI
CHECKED BY: R. TROTTIER
DATE: 8/4/16

HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

REV.	DATE	DESCRIPTION	BY	APP'D

SCALE: AS NOTED
JOB NO. 88−185
SUBSET 10.4

Notes:
1. Inverts are measured at center of MH and cross slope of MH will be a standard 1%.
2. Pipe lengths are measured from the centers of structures in the profiles.

PVI Sta.=33+52.56
PVI Elev=172.72
AD=9.81%
K=48.88
479.61' VC

PVT Sta. 35+92.37
Elev. 182.10

Proposed CB
Sta.35+99 -12.00'L
TF 182.06
Inv 177.50

Ex Storm MH
Sta.36+30 0.38'R
TF 183.44
Inv 176.59

Ex Sanitary MH
Sta.36+30 5.60'R
TF 183.34
Inv 173.25

L=108.4'
@ 2.0%
Ex 8" Clay Sanitary

L=108.3'
@ 2.1%
Ex 12" Clay Storm

L=246.0'
@ 2.4%
15" Reinforced Concrete Pipe

Existing CB
Sta.37+47 -11.72'L
TF 187.37
Inv 179.26

Existing CB
Sta.37+47 18.10'R
TF 186.47
Inv 179.15

Proposed Storm MH
Sta.38+00 0.47'R
TF 190.23
Inv 180.70

Proposed CB
Sta.38+05 -12.00'L
TF 190.12
Inv 185.95 In
Inv 185.95 Out

Proposed CB
Sta.38+05 18.00'R
TF 189.88
Inv 185.95

Proposed CB
Sta.38+50 -12.00'L
TF 191.88
Inv 187.75

L=45.0'
@ 4.0%
15" Reinforced Concrete Pipe

L=354.3'
@ 5.0%
Ex 12" Clay Storm

L=354.0'
@ 5.2%
Ex 8" Clay Sanitary

L=229.5'
@ 3.4%
15" Reinforced Concrete Pipe

PVT Sta. 39+65.15
Elev. 196.68

PVI Sta.=40+34.78
PVI Elev=199.41
AD=2.85%
K=48.92
139.25' VC

Proposed CB
Sta.40+35 -12.00'L
TF 199.59
Inv 195.25

Proposed Storm MH
Sta.40+30 0.49'R
TF 199.64
Inv 193.25

Proposed CB
Sta.40+35 18.00'R
TF 199.35
Inv 195.25

Ex Storm MH
Sta.40+93 0.52'R
TF 203.08
Inv 196.58

Proposed Storm MH
Sta.40+95 0.52'R
TF 203.47
Inv 196.60

L=65.0'
@ 3.1%
15" Reinforced Concrete Pipe

Ex Sanitary MH
Sta.40+92 5.61'R
TF 203.04
Inv 194.31

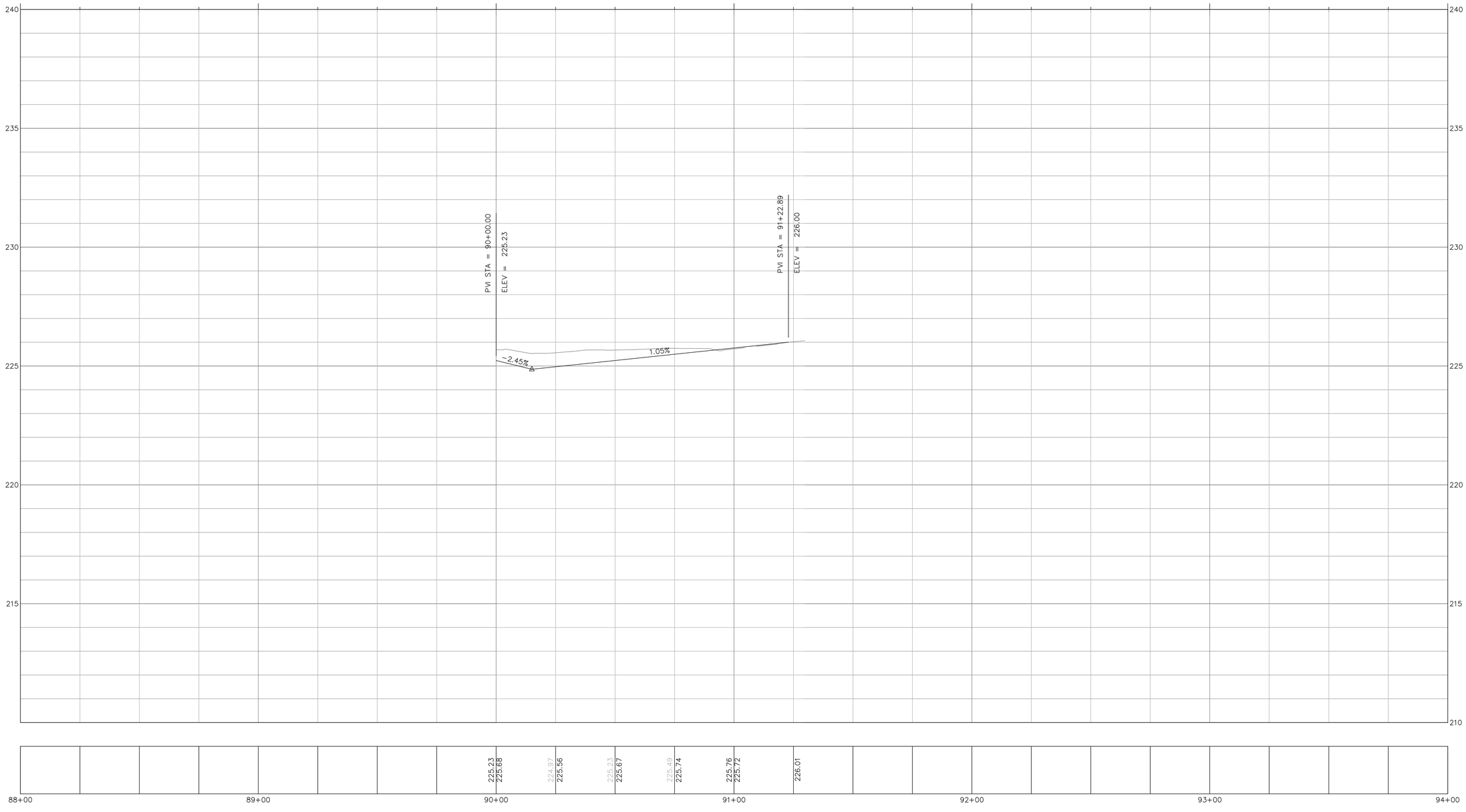
PVT Sta. 41+04.40
Elev. 204.11

PVI STA = 41+58.89
ELEV = 207.80

3.91%

6.76%

| | | |



4 2 0 4 8 12
VERTICAL SCALE IN FEET
(1" = 4')

20 10 0 20 40 60
HORIZONTAL SCALE IN FEET
(1" = 20')

PROFILE
VINE STREET

SUBSET 10.6

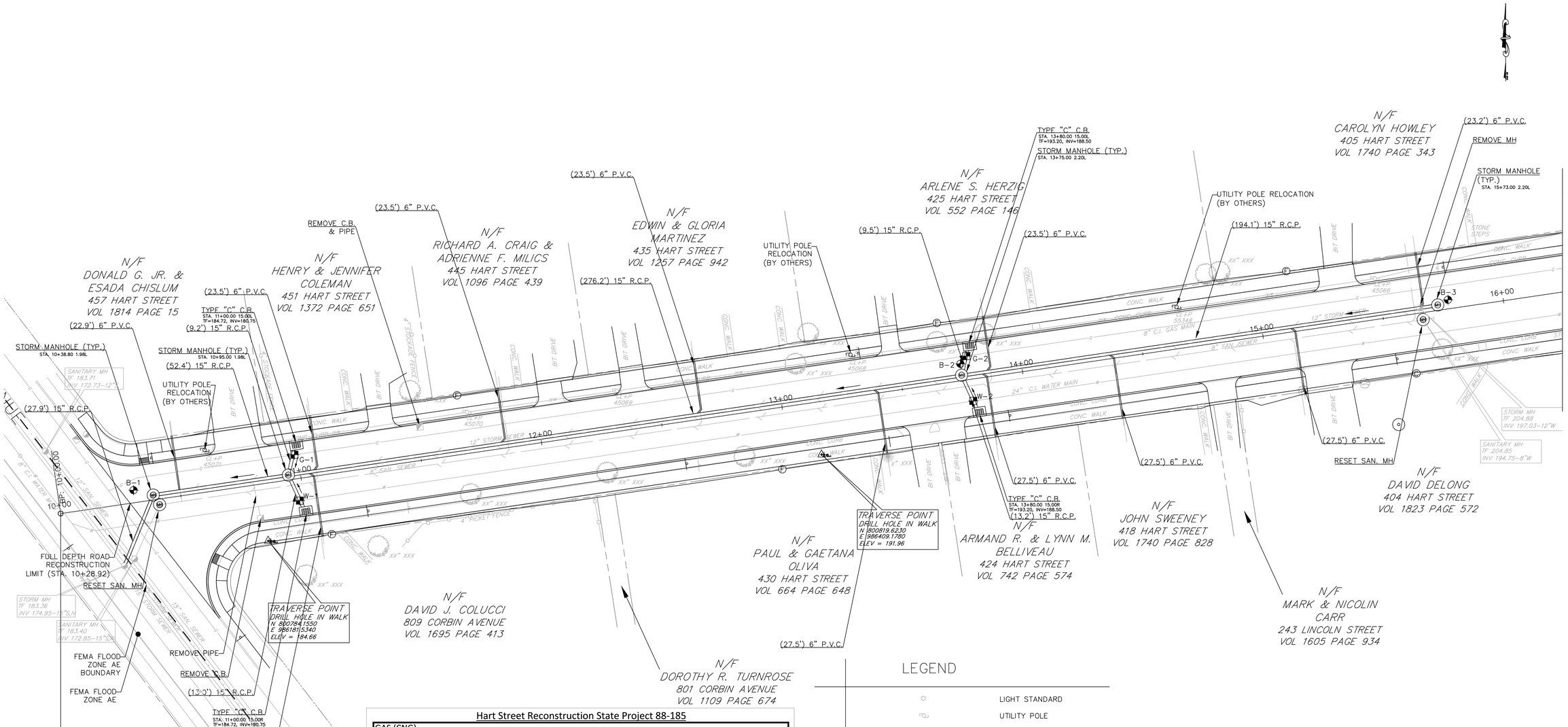
CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
DRAWN BY: C. POLKOWSKI
CHECKED BY: R. TROTTIER
DATE: 8/4/16

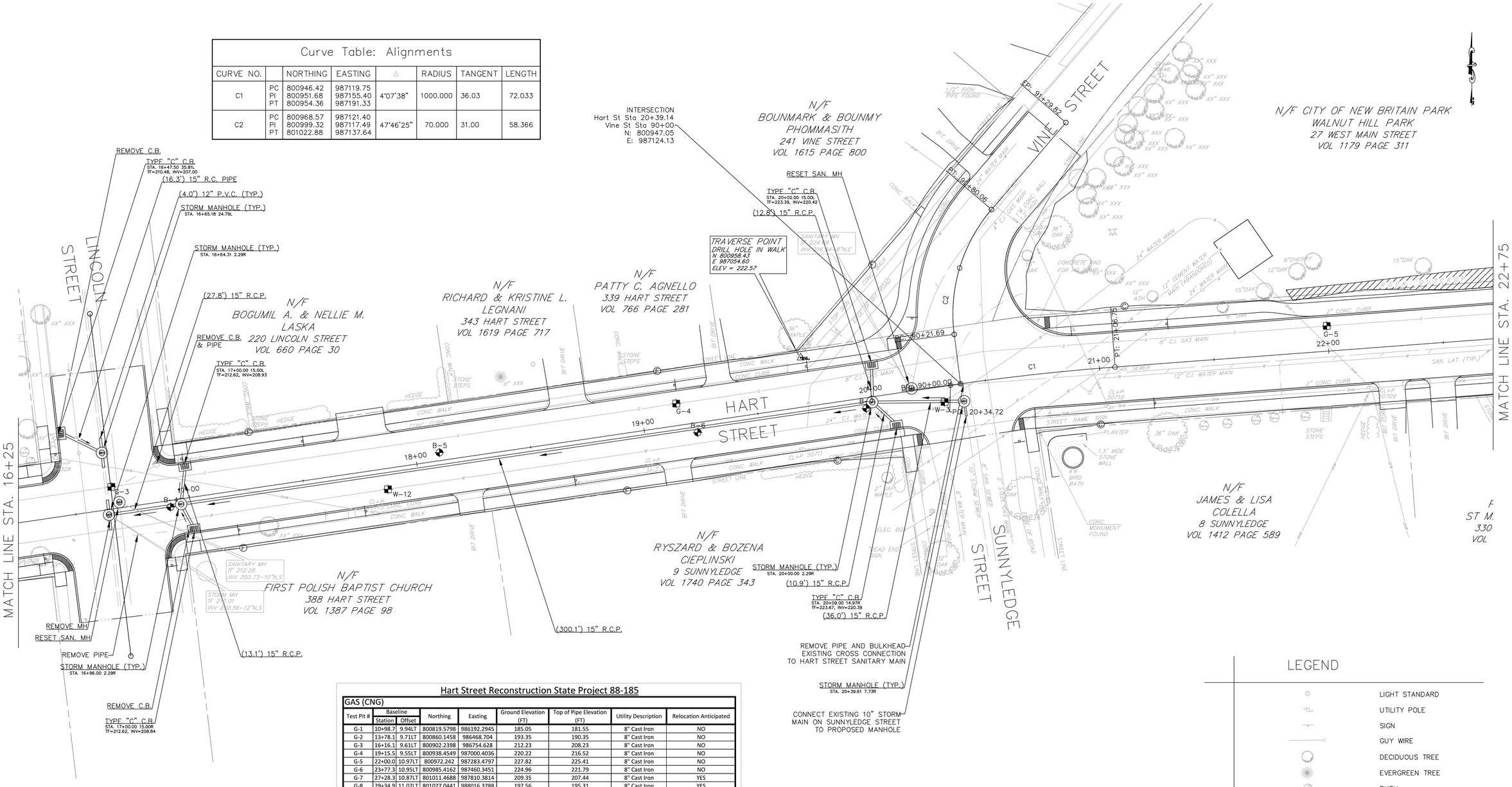
HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

REV.	DATE	DESCRIPTION	BY	APP'D

SCALE AS NOTED
JOB NO. 88-185


N/F
DONALD G. JR. & ESADA CHISLUM
457 HART STREET
VOL 1814 PAGE 15
N/F
HENRY & JENNIFER COLEMAN
451 HART STREET
VOL 1372 PAGE 651
N/F
RICHARD A. CRAIG & ADRIENNE F. MILICS
445 HART STREET
VOL 1096 PAGE 439
N/F
EDWIN & GLORIA MARTINEZ
435 HART STREET
VOL 1257 PAGE 942
N/F
ARLENE S. HERZIG
425 HART STREET
VOL 552 PAGE 146
N/F
CAROLYN HOWLEY
405 HART STREET
VOL 1740 PAGE 343
N/F
DAVID DELONG
404 HART STREET
VOL 1823 PAGE 572
N/F
JOHN SWEENEY
418 HART STREET
VOL 1740 PAGE 828
N/F
ARMAND R. & LYNN M. BELLIVEAU
424 HART STREET
VOL 742 PAGE 574
N/F
PAUL & GAETANA OLIVA
430 HART STREET
VOL 664 PAGE 648
N/F
DAVID J. COLUCCI
809 CORBIN AVENUE
VOL 1695 PAGE 413
N/F
DOROTHY R. TURNROSE
801 CORBIN AVENUE
VOL 1109 PAGE 674
N/F
MARK & NICOLIN CARR
243 LINCOLN STREET
VOL 1605 PAGE 934
MATCH LINE STA. 16+25
BEGINNING OF STATE PROJECT NO. 88-185
LIMIT OF CONSTRUCTION
STA. 10+00
N: 800795.3346
E: 986096.1236
FULL DEPTH ROAD RECONSTRUCTION LIMIT (STA. 10+28.92)
RESET SAN. MH
FEMA FLOOD ZONE AE BOUNDARY
FEMA FLOOD ZONE AE
REMOVE PIPE
REMOVE C.B.
(12.0") 15" R.C.P.
TYPE "C" C.B. STA. 11+00.00 15.00R TF=184.72, INV=180.75
(27.4") 6" P.V.C.
REMOVE C.B. & PIPE
TYPE "C" C.B. STA. 11+00.00 15.00L TF=184.72, INV=180.75
STORM MANHOLE (TYP.) STA. 10+38.80 1.98L
STORM MANHOLE (TYP.) STA. 10+95.00 1.98L
SANITARY MH TF 183.71 INV 172.73-12"S
STORM MH TF 183.36 INV 174.95-15"S,M
SANITARY MH TF 183.40 INV 172.85-15"S
UTILITY POLE RELOCATION (BY OTHERS)
(22.9') 6" P.V.C.
(23.5') 6" P.V.C.
(9.2') 15" R.C.P.
(52.4') 15" R.C.P.
(27.9') 15" R.C.P.
(276.2') 15" R.C.P.
(9.5') 15" R.C.P.
(194.1') 15" R.C.P.
TYPE "C" C.B. STA. 13+80.00 15.00L TF=193.20, INV=188.50
STORM MANHOLE (TYP.) STA. 13+75.00 2.20L
(13.2') 15" R.C.P.
(27.5') 6" P.V.C.
(23.2') 6" P.V.C.
REMOVE MH
STORM MANHOLE (TYP.) STA. 15+73.00 2.20L
RESET SAN. MH
STORM MH TF 204.88 INV 197.03-12"W
SANITARY MH TF 204.85 INV 194.75-8"W
TRAVERSE POINT DRILL HOLE IN WALK N 800784.1550 E 986181.5340 ELEV = 184.66
TRAVERSE POINT DRILL HOLE IN WALK N 800819.6230 E 986409.1780 ELEV = 191.96
G-1
G-2
W-1
W-2
B-1
B-2
B-3
10+00
11+00
12+00
13+00
14+00
15+00
16+00
12" STORM SEWER
12" SAN. SEWER
15" SAN. SEWER
24" SAN. SEWER
8" C.I. WATER MAIN
8" SAN. SEWER
24" C.I. WATER MAIN
4" POLYETHYLENE GAS MAIN
CONC. WALK
BIT DRIVE
STONE STEPS
STONE WALL
WOOD FENCE
CHAIN LINK FENCE
4" POCKET FENCE
SL-P 45071
SL-P 45070
SL-P 45069
SL-P 45068
SL-P 45067
SL-P 45066
SL-P 45065
SL-P 45064
SL-P 45063
SL-P 45062
SL-P 45061
SL-P 45060
SL-P 45059
SL-P 45058
SL-P 45057
SL-P 45056
SL-P 45055
SL-P 45054
SL-P 45053
SL-P 45052
SL-P

Curve Table: Alignments							
CURVE NO.		NORTHING	EASTING	Δ	RADIUS	TANGENT	LENGTH
C1	PC PI PT	800946.42 800951.68 800954.36	987119.75 987155.40 987191.33	4°07'38"	1000.000	36.03	72.033
C2	PC PI PT	800968.57 800999.32 801022.88	987121.40 987117.49 987137.64	47°46'25"	70.000	31.00	58.366



Hart Street Reconstruction State Project 88-185

GAS (CNG)

Test Pit #	Baseline Station	Baseline Offset	Northing	Easting	Ground Elevation (FT)	Top of Pipe Elevation (FT)	Utility Description	Relocation Anticipated
G-1	10+98.7	9.94LT	800819.5798	986192.2945	185.05	181.55	8" Cast Iron	NO
G-2	13+78.1	9.71LT	800860.1458	986468.704	193.35	190.35	8" Cast Iron	NO
G-3	16+16.1	9.61LT	800902.2398	986754.628	212.23	208.23	8" Cast Iron	NO
G-4	19+15.5	9.55LT	800938.4549	987000.4036	220.22	216.52	8" Cast Iron	NO
G-5	22+00.0	10.97LT	800972.242	987283.4797	227.82	225.41	8" Cast Iron	NO
G-6	23+77.3	10.95LT	800985.4162	987460.3451	224.96	221.79	8" Cast Iron	NO
G-7	27+28.3	10.87LT	801011.4688	987810.3814	209.35	207.44	8" Cast Iron	YES
G-8	29+34.9	11.07LT	801027.0441	988016.3788	197.56	195.31	8" Cast Iron	YES
G-9	31+17.0	10.05LT	801039.7712	988197.8613	187.23	183.9	8" Cast Iron	NO
G-10	33+98.4	6.88LT	801060.3497	988478.6379	178.18	174.93	8" Cast Iron	NO
G-11A	35+98.9	6.71LT	801075.1096	988678.6002	182.36	179.36	10" Cast Iron	NO
G-11B	35+98.9	5.84LT	801074.245	988678.6646	182.39	179.74	4" Cast Iron	NO
G-12A	40+32.4	6.89LT	801107.5595	989110.8983	199.49	196.14	10" Cast Iron	NO
G-12B	40+32.4	5.89LT	801106.5623	989110.9727	199.53	196.68	4" Cast Iron	NO
G-13A	38+02.9	6.57LT	801090.1457	988881.99	190.25	187.25	10" Cast Iron	NO
G-13B	38+02.9	5.57LT	801089.1485	988882.0645	190.25	187.6	4" Cast Iron	NO

WATER (CITY OF NEW BRITAIN)

Test Pit #	Baseline Station	Baseline Offset	Northing	Easting	Ground Elevation (FT)	Top of Pipe Elevation (FT)	Utility Description	Relocation Anticipated
W-1	10+98.2	9.08RT	800800.6806	986194.5611	185.04	179.54	24" Cast Iron	NO
W-2	13+78.2	8.92RT	800841.7286	986471.5769	193.64	189.44	24" Cast Iron	NO
W-3	20+31.1	6.79RT	800939.1714	987117.1849	225.31	220.61	24" Cast Iron	NO
W-4	25+91.0	5.59RT	800984.8255	987674.6155	217.55	214.15	12" Cast Iron	NO
W-5	29+19.2	6.50RT	801012.074	988051.869	195.79	192.69	12" Cast Iron	NO
W-6	32+26.5	8.37RT	801031.2056	988308.543	181.17	177.32	12" Cast Iron	NO
W-7	38+03.3	10.46RT	801073.1951	988883.6658	189.59	186.09	12" Cast Iron	NO
W-8	40+32.5	10.23RT	801090.4906	989112.2234	199.09	194.84	12" Cast Iron	NO
W-9	27+96.5	6.23RT	800999.4836	987879.5825	205.8	202.1	12" Cast Iron	NO
W-10	33+97.9	10.17RT	801043.3164	988479.4173	178.39	175.64	12" Cast Iron	NO
W-11	35+56.9	10.59RT	801054.728	988638.0105	180.75	177.83	12" Cast Iron	NO
W-12	17+86.0	9.03RT	800901.1699	986875.015	215.87	212.07	24" Cast Iron	NO

THIS UTILITY INFORMATION IS BASED ON LIMITED FIELD INVESTIGATIONS AND IS PRESENTED FOR INFORMATIONAL PURPOSES ONLY. IN SOME CASES THE FACILITY WAS NOT COMPLETELY EXPOSED TO POSITIVELY VERIFY ITS SIZE OR MATERIAL TYPE. THE CONTRACTOR IS STILL REQUIRED TO COORDINATE ITS CONSTRUCTION ACTIVITIES SO THAT THE UTILITIES ARE PROTECTED AT ALL TIMES.

LEGEND

- LIGHT STANDARD
- UTILITY POLE
- SIGN
- GUY WIRE
- DECIDUOUS TREE
- EVERGREEN TREE
- BUSH
- HEDGE
- HYDRANT
- UNDERGROUND WATER LINE
- UNDERGROUND GAS LINE
- OVERHEAD WIRE
- STORM SEWER LATERAL
- SANITARY SEWER LATERAL
- CATCH BASIN
- MANHOLE
- GAS GATE
- WATER GATE

20 10 0 20 40 60
HORIZONTAL SCALE IN FEET
(1" = 20')

UTILITY PLAN
HART STREET

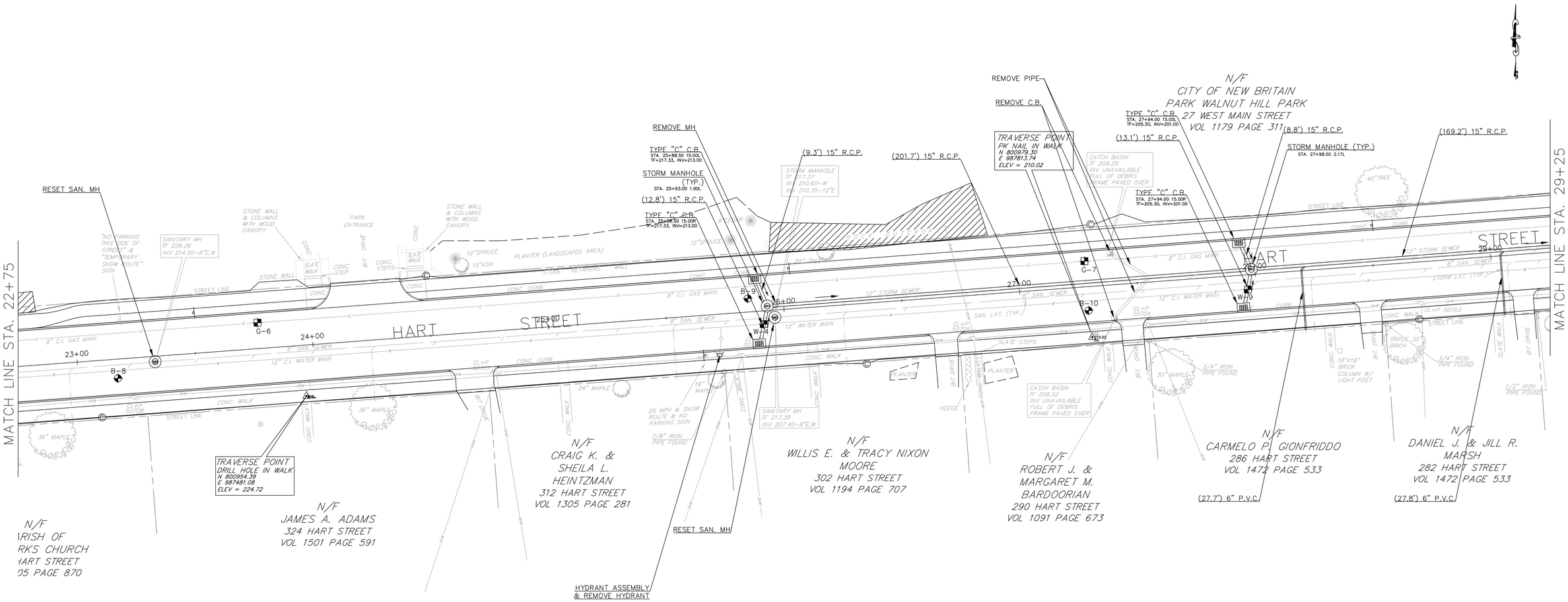
CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
DRAWN BY: C. POLKOWSKI
CHECKED BY: R. TROTTIER
DATE: 8/4/16

HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

REV.	DATE	DESCRIPTION	BY	APP'D

SCALE 1" = 20'
JOB NO. 88-185
SUBSET 11.2



Hart Street Reconstruction State Project 88-185

GAS (CNG)

Test Pit #	Baseline Station	Baseline Offset	Northing	Easting	Ground Elevation (FT)	Top of Pipe Elevation (FT)	Utility Description	Relocation Anticipated
G-1	10+98.7	9.94LT	800819.5798	986192.2945	185.05	181.55	8" Cast Iron	NO
G-2	13+78.1	9.71LT	800860.1458	986468.704	193.35	190.35	8" Cast Iron	NO
G-3	16+16.1	9.61LT	800902.2398	986754.628	212.23	208.23	8" Cast Iron	NO
G-4	19+15.5	9.55LT	800938.4549	987000.4036	220.22	216.52	8" Cast Iron	NO
G-5	22+00.0	10.97LT	800972.242	987283.4797	227.82	225.41	8" Cast Iron	NO
G-6	23+77.3	10.95LT	800985.4162	987460.3451	224.96	221.79	8" Cast Iron	NO
G-7	27+28.3	10.87LT	801011.4688	987810.3814	209.35	207.44	8" Cast Iron	YES
G-8	29+34.9	11.07LT	801027.0441	988016.3788	197.56	195.31	8" Cast Iron	YES
G-9	31+17.0	10.05LT	801039.7712	988197.8613	187.23	183.9	8" Cast Iron	NO
G-10	33+98.4	6.88LT	801060.3497	988478.6379	178.18	174.93	8" Cast Iron	NO
G-11A	35+98.9	6.71LT	801075.1096	988678.6002	182.36	179.36	10" Cast Iron	NO
G-11B	35+98.9	5.84LT	801074.245	988678.6646	182.39	179.74	4" Cast Iron	NO
G-12A	40+32.4	6.89LT	801107.5595	989110.8983	199.49	196.14	10" Cast Iron	NO
G-12B	40+32.4	5.89LT	801106.5623	989110.9727	199.53	196.68	4" Cast Iron	NO
G-13A	38+02.9	6.57LT	801090.1457	988881.99	190.25	187.25	10" Cast Iron	NO
G-13B	38+02.9	5.57LT	801089.1485	988882.0645	190.25	187.6	4" Cast Iron	NO

WATER (CITY OF NEW BRITAIN)

Test Pit #	Baseline Station	Baseline Offset	Northing	Easting	Ground Elevation (FT)	Top of Pipe Elevation (FT)	Utility Description	Relocation Anticipated
W-1	10+98.2	9.08RT	800800.6806	986194.5611	185.04	179.54	24" Cast Iron	NO
W-2	13+78.2	8.92RT	800841.7286	986471.5769	193.64	189.44	24" Cast Iron	NO
W-3	20+31.1	6.79RT	800939.1714	987117.1849	225.31	220.61	24" Cast Iron	NO
W-4	25+91.0	5.59RT	800984.8255	987674.6155	217.55	214.15	12" Cast Iron	NO
W-5	29+19.2	6.50RT	801012.074	988051.869	195.79	192.69	12" Cast Iron	NO
W-6	32+26.5	8.37RT	801031.2056	988308.543	181.17	177.32	12" Cast Iron	NO
W-7	38+03.3	10.46RT	801073.1951	988883.6658	189.59	186.09	12" Cast Iron	NO
W-8	40+32.5	10.23RT	801090.4906	989112.2234	199.09	194.84	12" Cast Iron	NO
W-9	27+96.5	6.23RT	800999.4836	987879.5825	205.8	202.1	12" Cast Iron	NO
W-10	33+97.9	10.17RT	801043.3164	988479.4173	178.39	175.64	12" Cast Iron	NO
W-11	35+56.9	10.59RT	801054.728	988638.0105	180.75	177.83	12" Cast Iron	NO
W-12	17+86.0	9.03RT	800901.1699	986875.015	215.87	212.07	24" Cast Iron	NO

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LEGEND

- LIGHT STANDARD
- UTILITY POLE
- SIGN
- GUY WIRE
- DECIDUOUS TREE
- EVERGREEN TREE
- BUSH
- HEDGE
- HYDRANT
- UNDERGROUND WATER LINE
- UNDERGROUND GAS LINE
- OVERHEAD WIRE
- STORM SEWER LATERAL
- SANITARY SEWER LATERAL
- CATCH BASIN
- MANHOLE
- GAS GATE
- WATER GATE

20 10 0 20 40 60
HORIZONTAL SCALE IN FEET
(1" = 20')

UTILITY PLAN
HART STREET

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
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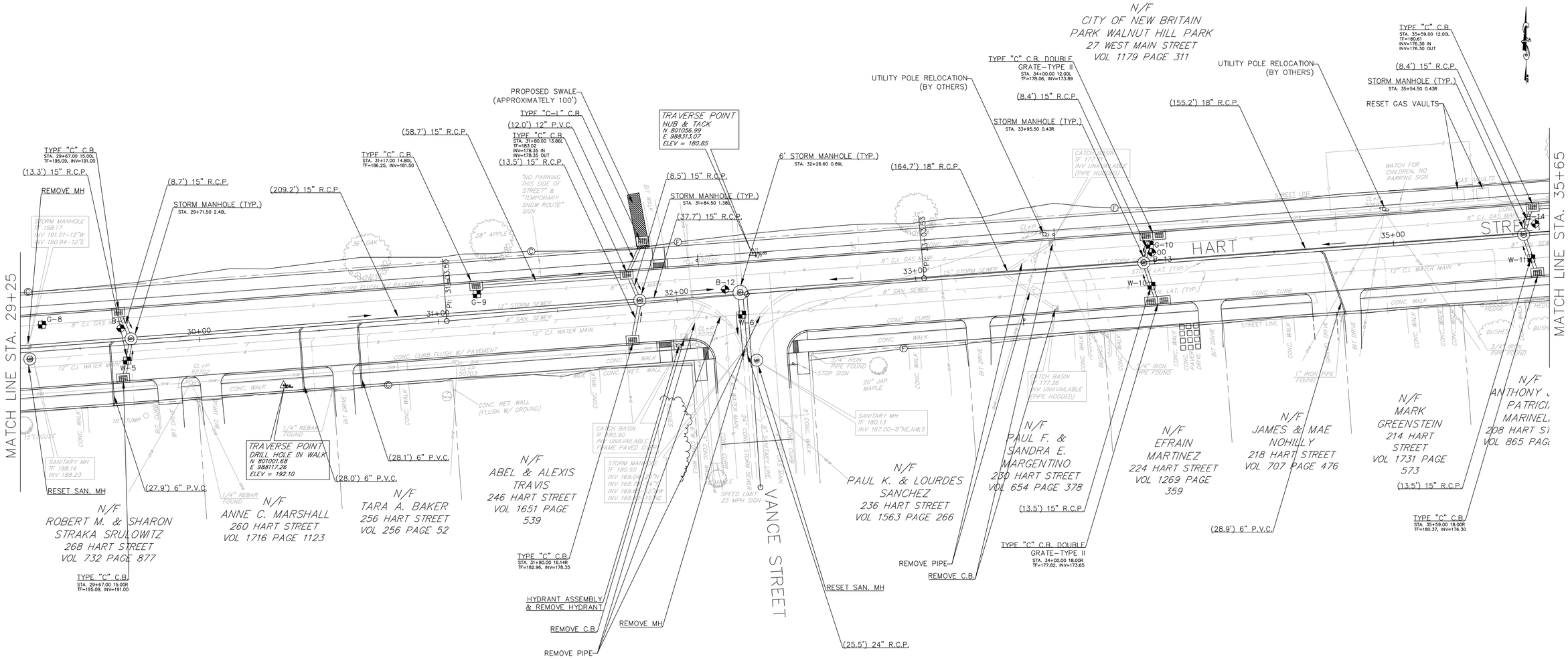
HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

REV.	DATE	DESCRIPTION	BY	APP'D

SCALE 1" = 20'
JOB NO. 88-185
SUBSET 11.3



Hart Street Reconstruction State Project 88-185

GAS (CNG)

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G-5	22+00.0	10.97LT	800972.242	987283.4797	227.82	225.41	8" Cast Iron	NO
G-6	23+77.3	10.95LT	800985.4162	987460.3451	224.96	221.79	8" Cast Iron	NO
G-7	27+28.3	10.87LT	801011.4688	987810.3814	209.35	207.44	8" Cast Iron	YES
G-8	29+34.9	11.07LT	801027.0441	988016.3788	197.56	195.31	8" Cast Iron	YES
G-9	31+17.0	10.05LT	801039.7712	988197.8613	187.23	183.9	8" Cast Iron	NO
G-10	33+98.4	6.88LT	801060.3497	988478.6379	178.18	174.93	8" Cast Iron	NO
G-11A	35+98.9	6.71LT	801075.1096	988678.6002	182.36	179.36	10" Cast Iron	NO
G-11B	35+98.9	5.84LT	801074.245	988678.6646	182.39	179.74	4" Cast Iron	NO
G-12A	40+32.4	6.89LT	801107.5595	989110.8983	199.49	196.14	10" Cast Iron	NO
G-12B	40+32.4	5.89LT	801106.5623	989110.9727	199.53	196.68	4" Cast Iron	NO
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- GUY WIRE
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- HYDRANT
- UNDERGROUND WATER LINE
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- STORM SEWER LATERAL
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HORIZONTAL SCALE IN FEET
(1" = 20')

UTILITY PLAN
HART STREET

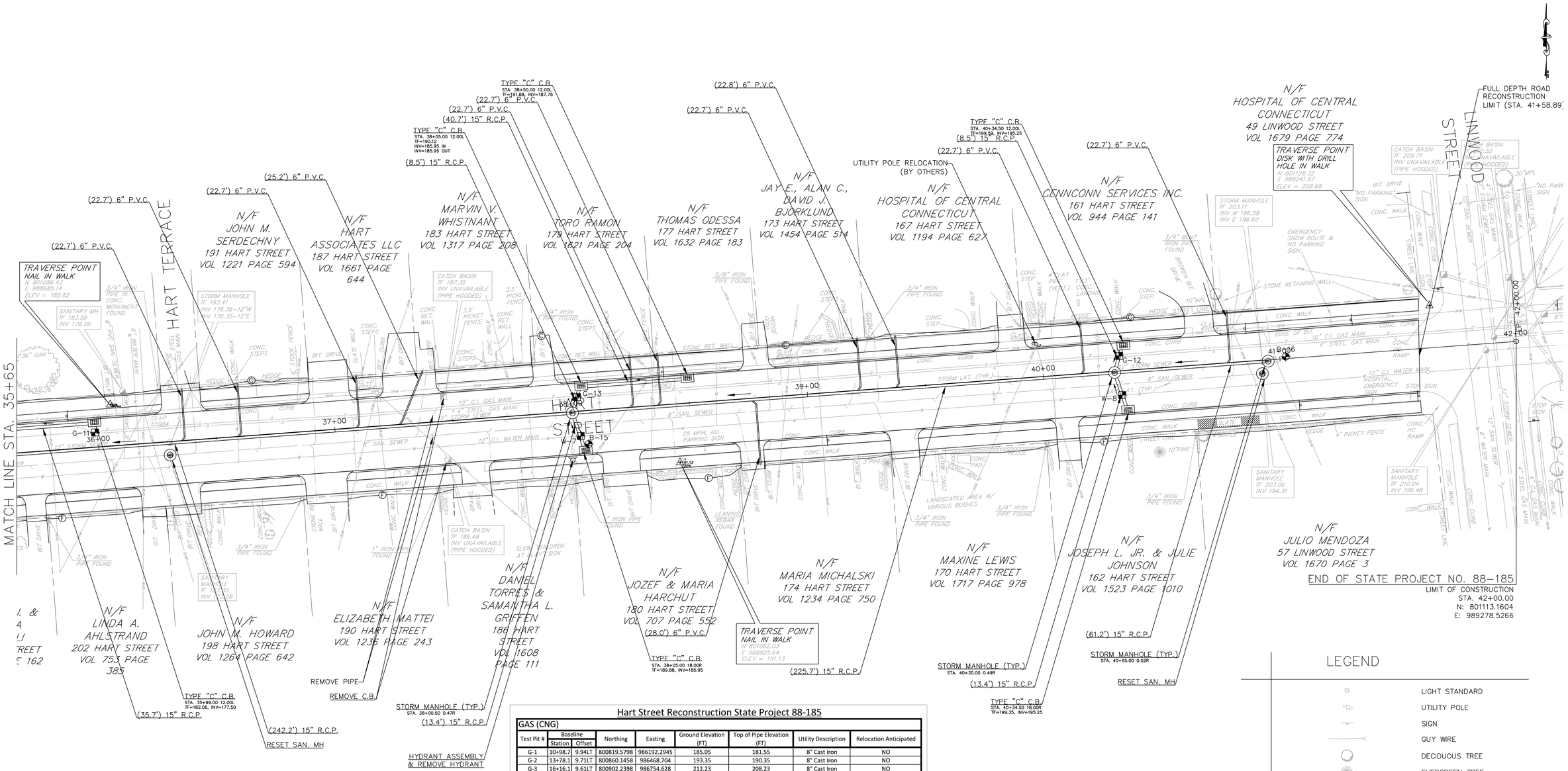
CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
DRAWN BY: C. POLKOWSKI
CHECKED BY: R. TROTTIER
DATE: 8/4/16

HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

BY	APP'D	DESCRIPTION	DATE	REV.

SCALE 1" = 20'
JOB NO. 88-185
SUBSET 11.4



Hart Street Reconstruction State Project 88-185

GAS (CNG)

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LEGEND

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- DECIDUOUS TREE
- EVERGREEN TREE
- BUSH
- HEDGE
- HYDRANT
- UNDERGROUND WATER LINE
- UNDERGROUND GAS LINE
- OVERHEAD WIRE
- STORM SEWER LATERAL
- SANITARY SEWER LATERAL
- CATCH BASIN
- MANHOLE
- GAS GATE
- WATER GATE

20 10 0 20 40 60
HORIZONTAL SCALE IN FEET
(1" = 20')

UTILITY PLAN
HART STREET

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
DRAWN BY: C. POLKOWSKI
CHECKED BY: R. TROTTIER
DATE: 8/4/16

HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

APP'D	BY	DESCRIPTION	DATE	REV.

SCALE 1" = 20'
JOB NO. 88-185
SUBSET 11.5

SIGN LEGEND:

(A) (E)
80–9928
51–6788
51–2685
HART STREET ALTERNATE ROUTE
H

(B) (G)
80–9928
51–6788
51–2686L
HART STREET ALTERNATE ROUTE
H

(C)
80–9928
51–6788
51–2689
HART STREET ALTERNATE ROUTE
H

(D)
80–9928
51–6788
51–2686R
HART STREET ALTERNATE ROUTE
H

(F)
80–9928
HART STREET ALTERNATE ROUTE

(H)
80–9928
HART STREET ALTERNATE ROUTE

(I)
80–9928
HART STREET ALTERNATE ROUTE

(J)
51–6788
51–2685
H



NOTES:

1. TEMPORARY ALTERNATE ROUTE AND HOSPITAL SIGNS SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION.
2. HOSPITAL "H" SIGNS AND ASSOCIATED ARROWS SHALL BE PAID UNDER ITEM NO 1220027–CONSTRUCTION SIGNS.
3. SIGN LOCATIONS SHOWN ARE APPROXIMATE AND SHALL BE ADJUSTED IN THE FIELD AS DIRECTED BY THE ENGINEER.

ALT. ROUTE SIGNAGE

HART STREET

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

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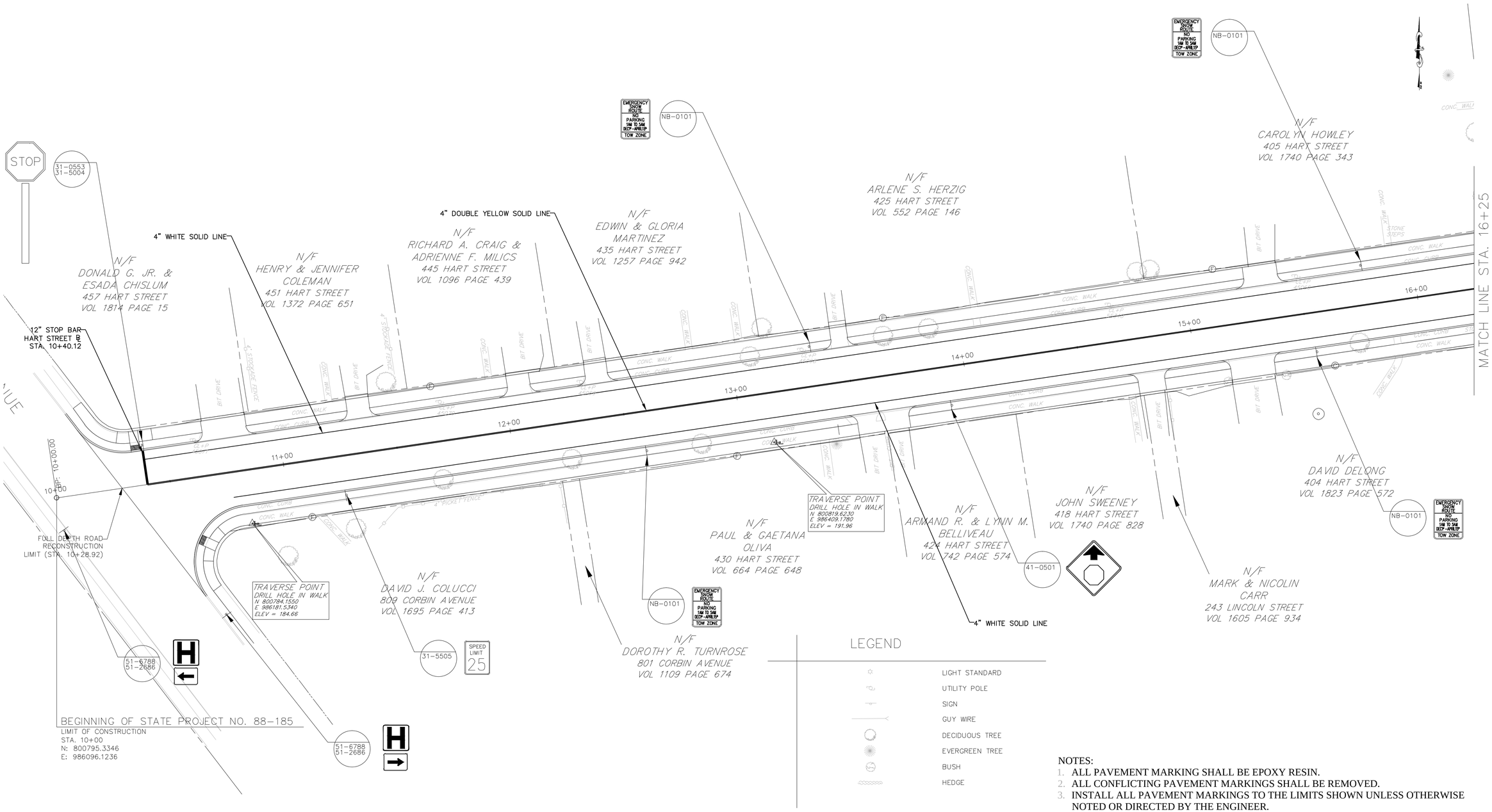
HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

REV.	DATE	DESCRIPTION	BY	APP'D

SCALE: NTS
JOB NO. 88–185
SUBSET 12.1



NOTES:

1. ALL PAVEMENT MARKING SHALL BE EPOXY RESIN.
2. ALL CONFLICTING PAVEMENT MARKINGS SHALL BE REMOVED.
3. INSTALL ALL PAVEMENT MARKINGS TO THE LIMITS SHOWN UNLESS OTHERWISE NOTED OR DIRECTED BY THE ENGINEER.
4. STOP BARS AND CROSSWALKS SHALL BE WHITE AND PAID UNDER ITEM NO. 1210105A-EPOXY RESIN PAVEMENT MARKINGS, SYMBOLS AND LEGENDS.
5. FOR SIGN NUMBERS "NB-XXXX", THE CONTRACTOR SHALL SUBMIT SIGN DETAILS TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO FABRICATION AND INSTALLATION.

20 10 0 20 40 60
HORIZONTAL SCALE IN FEET
(1" = 20')

PAVEMENT MARKING & SIGNING PLAN
HART STREET

SUBSET 13.1

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
DRAWN BY: C. POLKOWSKI
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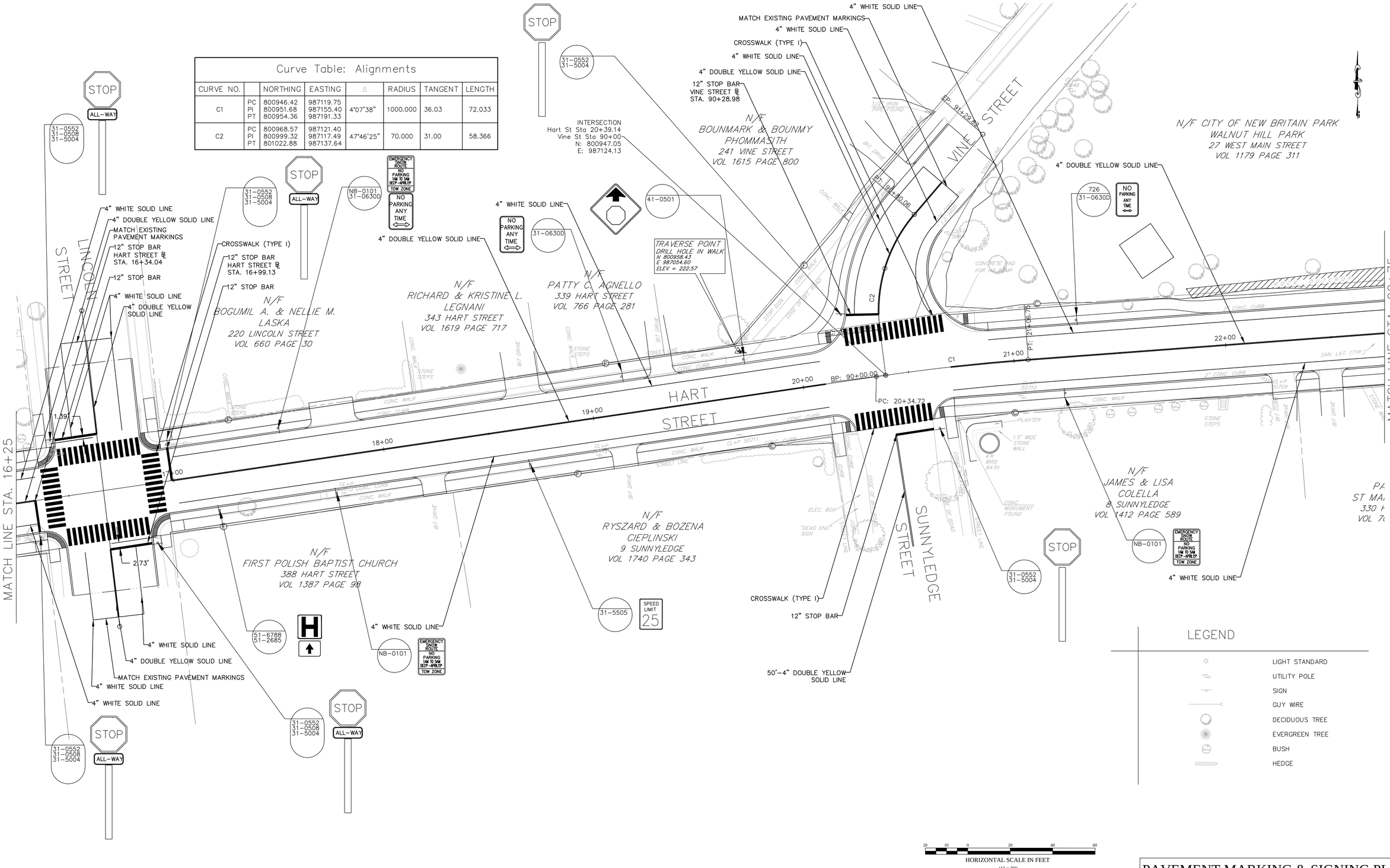
NEW BRITAIN, CONNECTICUT

REV.	DATE	DESCRIPTION	BY	APP'D

SCALE 1" = 20'
JOB NO. 88-185

Curve Table: Alignments							
CURVE NO.		NORTHING	EASTING	Δ	RADIUS	TANGENT	LENGTH
C1	PC	800946.42	987119.75	4°07'38"	1000.000	36.03	72.033
	PI	800951.68	987155.40				
	PT	800954.36	987191.33				
C2	PC	800968.57	987121.40	47°46'25"	70.000	31.00	58.366
	PI	800999.32	987117.49				
	PT	801022.88	987137.64				



PAVEMENT MARKING & SIGNING PLAN
HART STREET

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NEW BRITAIN, CONNECTICUT

REV.	DATE	DESCRIPTION	BY	APP'D

SCALE 1" = 20'
JOB NO. 88-185
SUBSET 13.2

MATCH LINE STA. 22+75

NB-0101
31-0630D

EMERGENCY SNOW ROUTE
NO PARKING 1AM TO 5AM DEC.-APR.1ST
TOW ZONE

NO PARKING ANY TIME

31-0630D

NO PARKING ANY TIME

31-0630D

NO PARKING ANY TIME

4" WHITE SOLID LINE

4" DOUBLE YELLOW SOLID LINE

TRAVERSE POINT
PK NAIL IN WALK
N 800979.30
E 987813.74
ELEV = 210.02

N/F
CITY OF NEW BRITAIN
PARK WALNUT HILL PARK
27 WEST MAIN STREET
VOL 1179 PAGE 311

HART STREET

23+00 24+00 25+00 26+00 27+00 28+00 29+00

MATCH LINE STA. 29+25

STONE WALL & COLUMNS WITH WOOD CANOPY
PARK ENTRANCE
STONE WALL & COLUMNS WITH WOOD CANOPY
STONE WALL
SLATE WALK
CONC. STEP
CONC. STEPS
BIT. DRIVE
CONC.
SLATE WALK
10"SPRUCE
15"ASH
PLANTER (LANDSCAPED AREA)
STONE RETAINING WALL
8"CEDAR
12"SPRUCE
20" TREE
STREET LINE
CONC. CURB
40"TREE
STORM LAT. (TYP.)
SAN. LAT. (TYP.)
CL+P 50708
CL+P 50703
SLATE STEPS
PLANTER
HEDGE
CONC. WALK
30" MAPLE
3/4" IRON PIPE FOUND
18"X18" BRICK COLUMN W/ LIGHT POST
TRIPLE 30" BIRCH
1/2" IRON PIPE FOUND
36" MAPLE
24" MAPLE
18" MAPLE
7/8" IRON PIPE FOUND

TRAVERSE POINT
DRILL HOLE IN WALK
N 800954.39
E 987481.08
ELEV = 224.72

N/F
JAMES A. ADAMS
324 HART STREET
VOL 1501 PAGE 591

N/F
CRAIG K. & SHEILA L. HEINTZMAN
312 HART STREET
VOL 1305 PAGE 281

N/F
WILLIS E. & TRACY NIXON MOORE
302 HART STREET
VOL 1194 PAGE 707

N/F
ROBERT J. & MARGARET M. BARDOORIAN
290 HART STREET
VOL 1091 PAGE 673

N/F
CARMELO P. GIONFRIDDO
286 HART STREET
VOL 1472 PAGE 533

N/F
DANIEL J. & JILL R. MARSH
282 HART STREET
VOL 1472 PAGE 533

N/F
\RISH OF
RKS CHURCH
HART STREET
05 PAGE 870

NB-0101

EMERGENCY SNOW ROUTE
NO PARKING 1AM TO 5AM DEC.-APR.1ST
TOW ZONE

LEGEND

- LIGHT STANDARD
- UTILITY POLE
- SIGN
- GUY WIRE
- DECIDUOUS TREE
- EVERGREEN TREE
- BUSH
- HEDGE

20 10 0 20 40 60
HORIZONTAL SCALE IN FEET
(1" = 20')

PAVEMENT MARKING & SIGNING PLAN
HART STREET

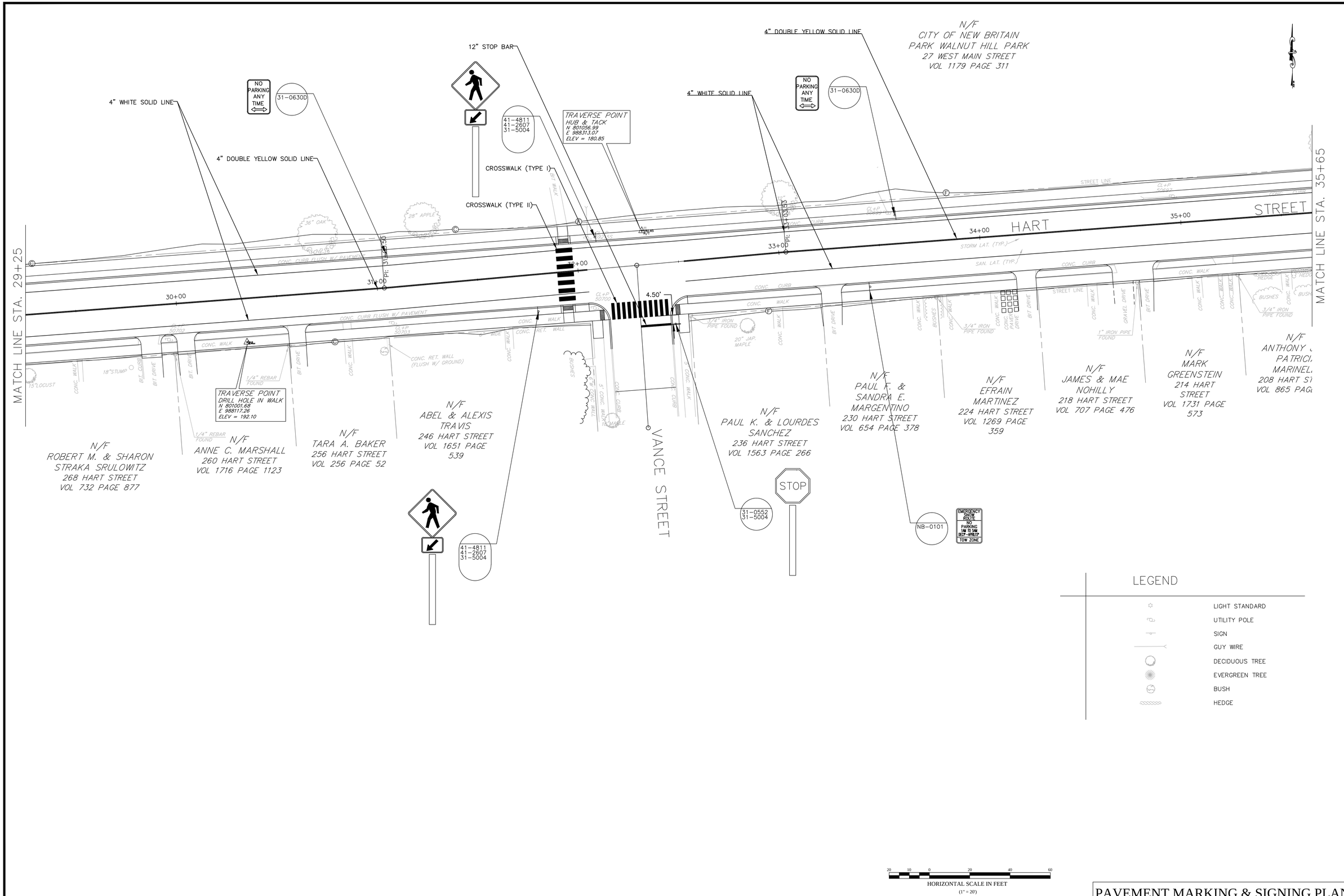
CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
DRAWN BY: C. POLKOWSKI
CHECKED BY: R. TROTTIER
DATE: 8/4/16

HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

REV.	DATE	DESCRIPTION	BY	APP'D

SCALE 1" = 20'
JOB NO. 88-185
SUBSET 13.3



CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
DRAWN BY: C. POLKOWSKI
CHECKED BY: R. TROTTIER
DATE: 8/4/16

HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

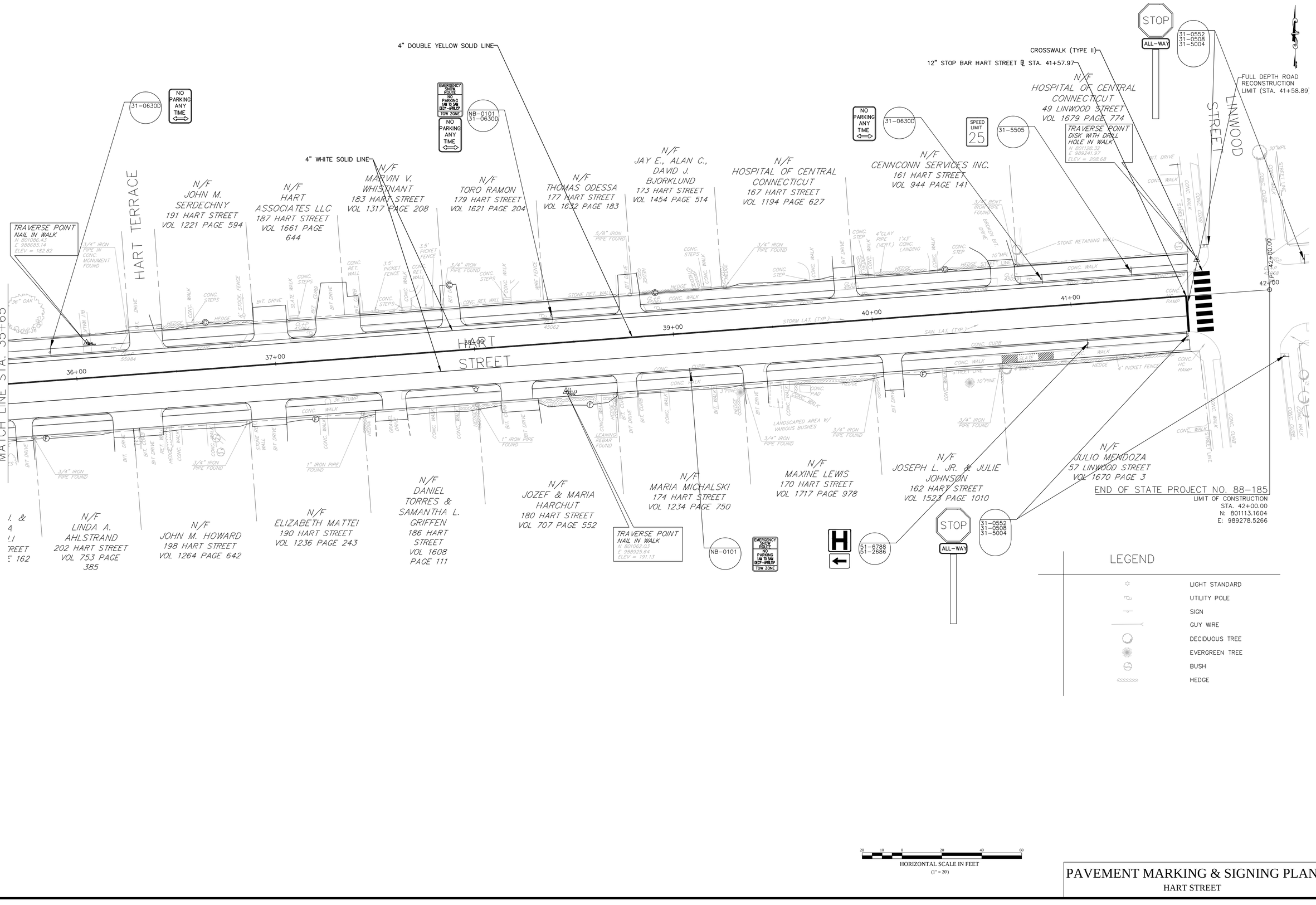
REV.	DATE	DESCRIPTION	BY	APP'D

SCALE 1" = 20'

JOB NO. 88-185

PAVEMENT MARKING & SIGNING PLAN
HART STREET

SUBSET 13.4



CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
DRAWN BY: C. POLKOWSKI
CHECKED BY: R. TROTTIER
DATE: 8/4/16

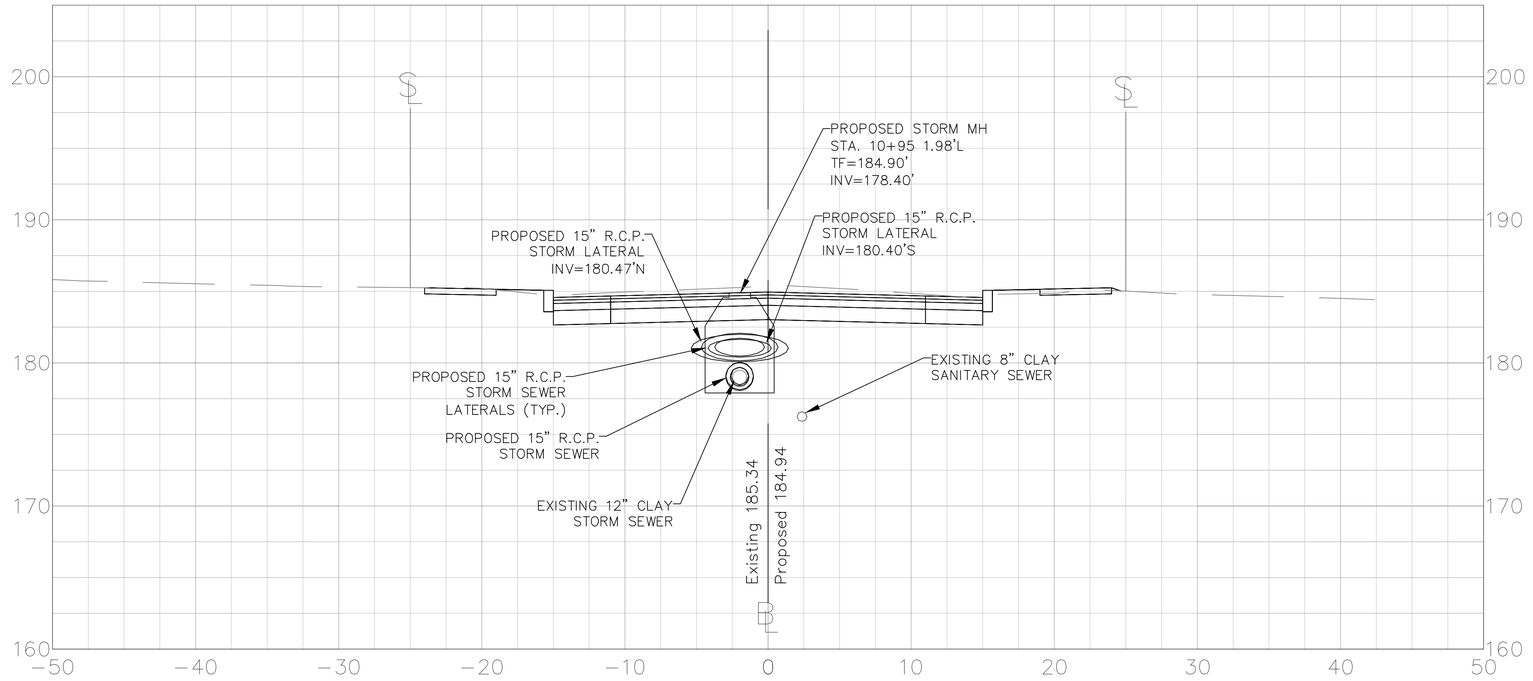
HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

REV.	DATE	DESCRIPTION	BY	APP'D

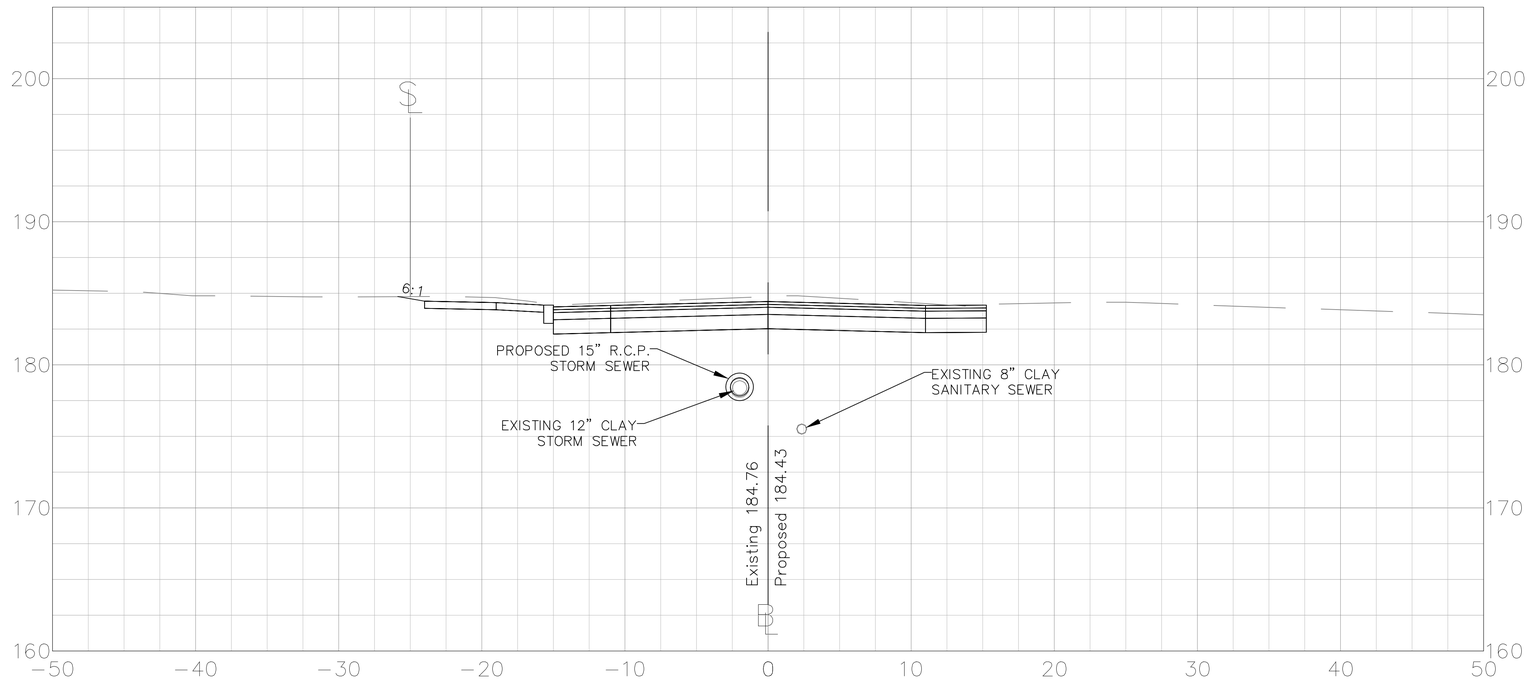
SCALE 1" = 20'
JOB NO. 88-185
SUBSET 13.5

PAVEMENT MARKING & SIGNING PLAN
HART STREET

10+95.00



10+76.61



5 2.5 0 5 10 15
SCALE IN FEET
(1" = 5')

CROSS SECTIONS
HART STREET

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

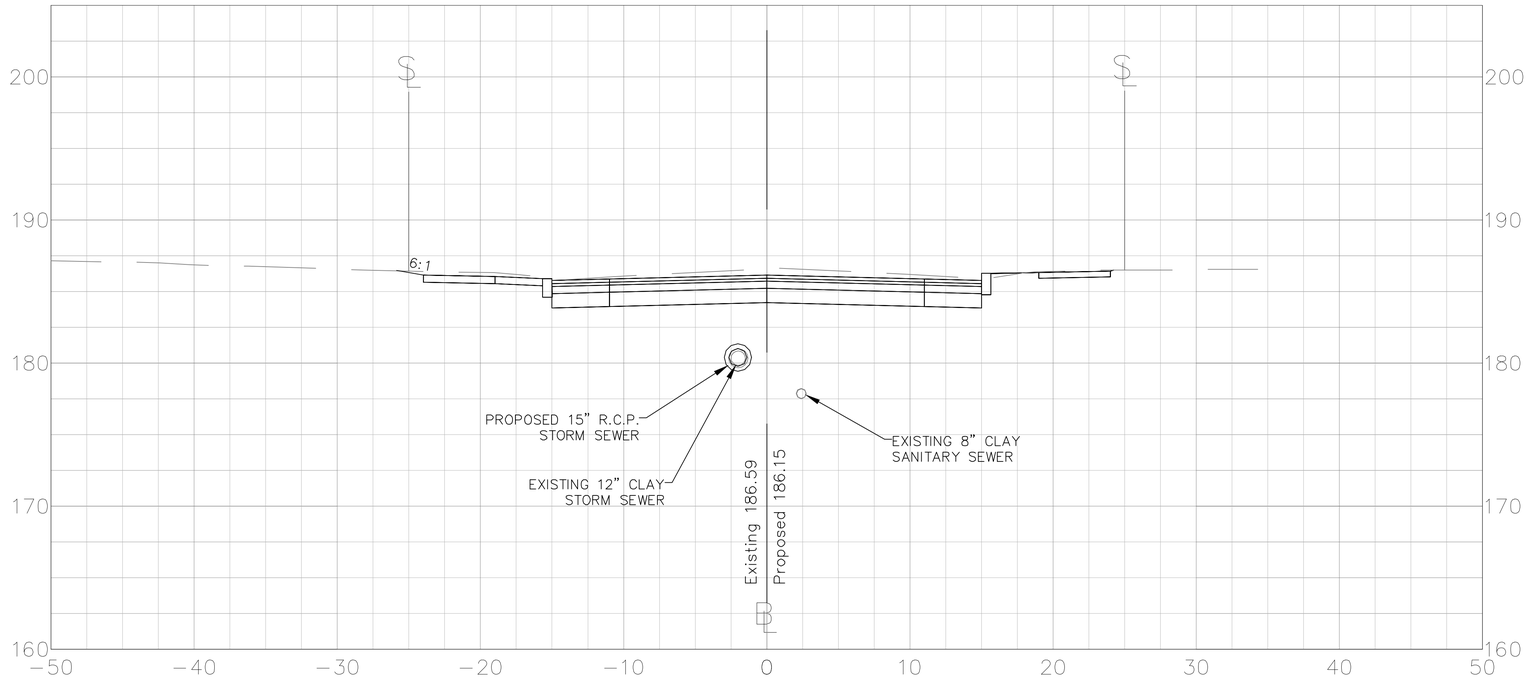
DESIGNED BY: C. POLKOWSKI
DRAWN BY: C. POLKOWSKI
CHECKED BY: R. TROTTIER
DATE: 8/4/16

HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

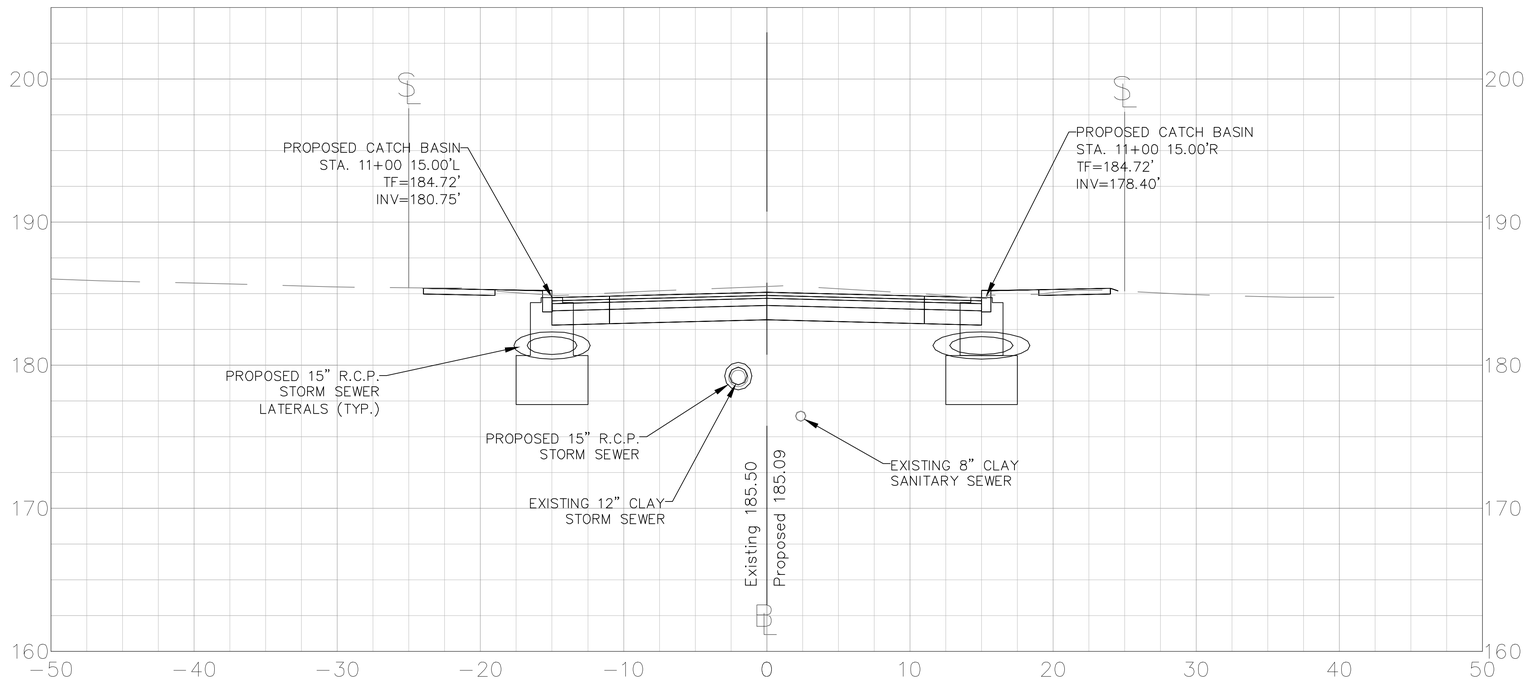
REV.	DATE	DESCRIPTION	BY	APP'D

SCALE: AS NOTED
JOB NO. 88-185
SUBSET 14.1

11+35.82



11+00.00



5 2.5 0 5 10 15
SCALE IN FEET
(1" = 5')

CROSS SECTIONS
HART STREET

SUBSET 14.2

SCALE AS NOTED

JOB NO. 88-185

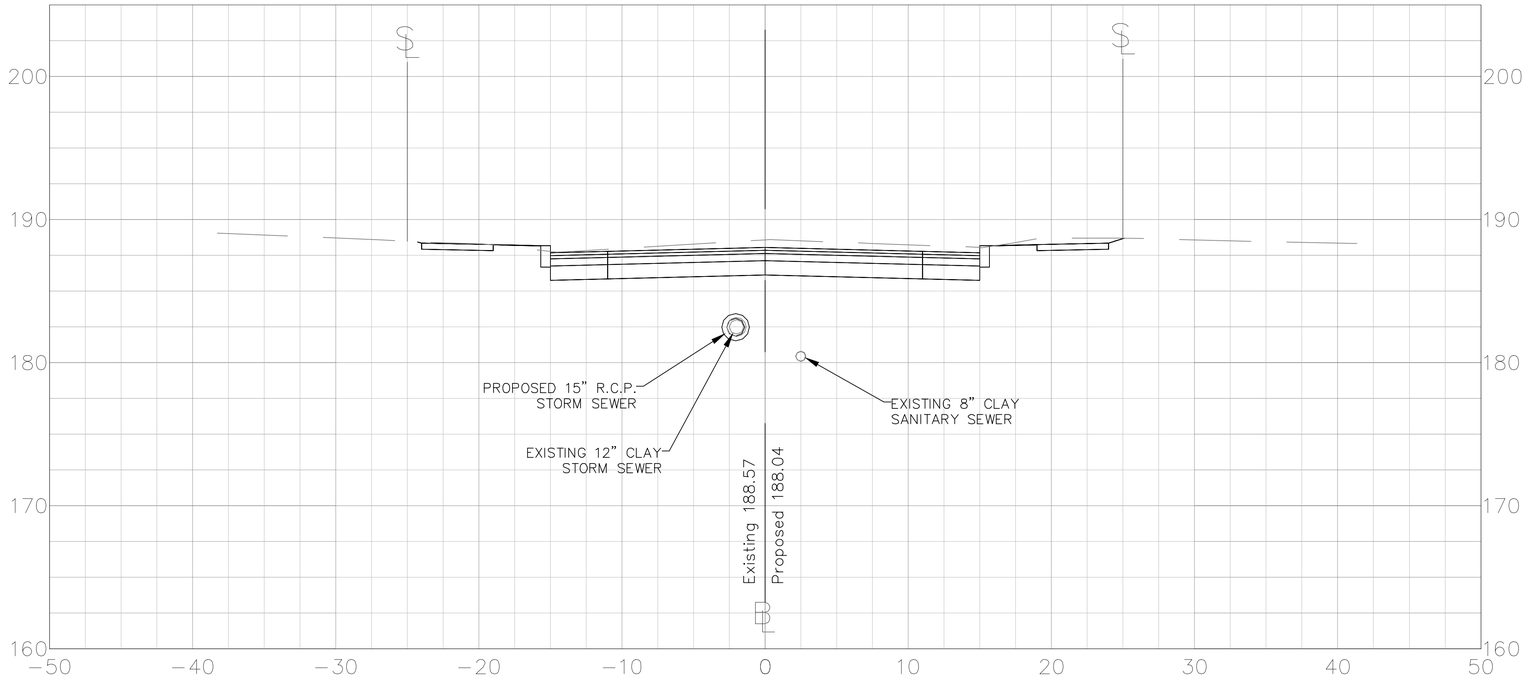
REV.	DATE	DESCRIPTION	BY	APP'D

HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

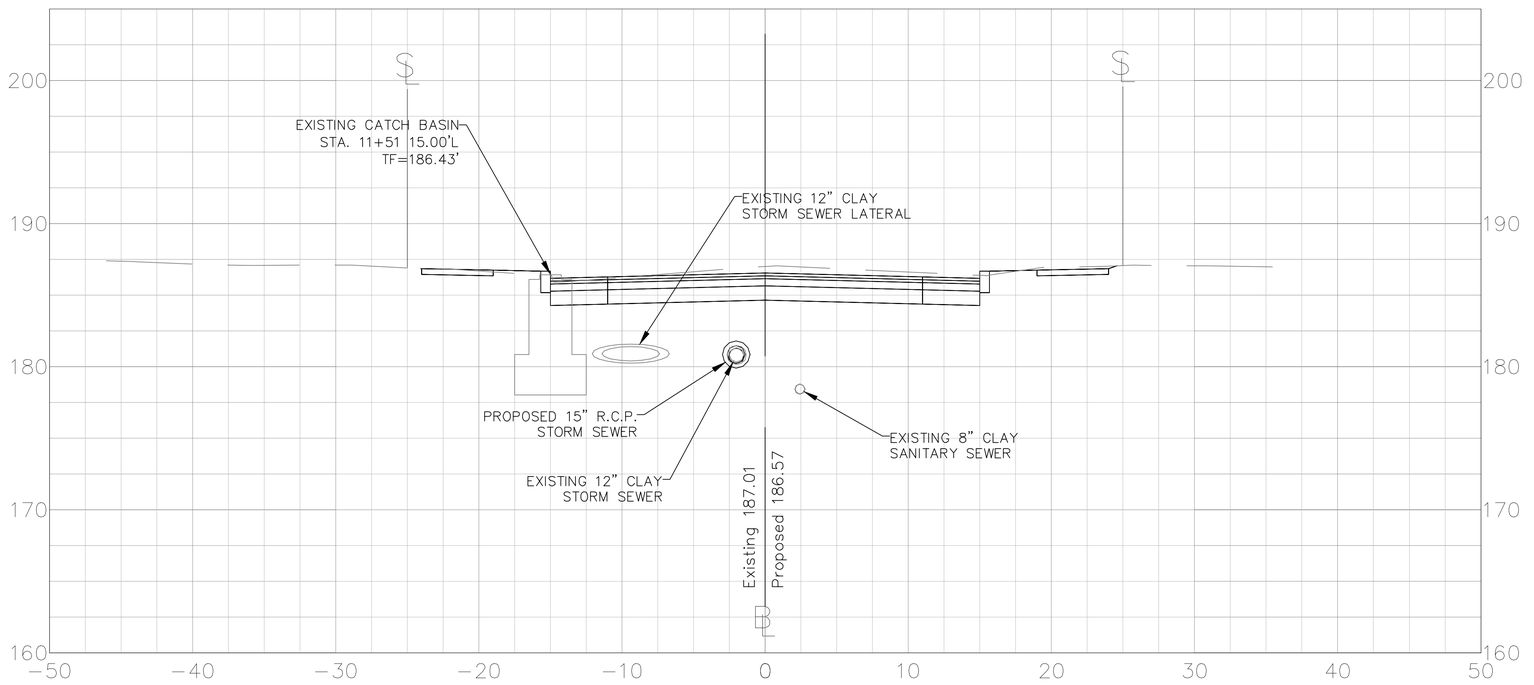
DESIGNED BY: C. POLKOWSKI
DRAWN BY: C. POLKOWSKI
CHECKED BY: R. TROTTIER
DATE: 8/4/16

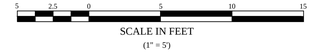
CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

12+00.00



11+50.00





CROSS SECTIONS

HART STREET

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
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CHECKED BY: R. TROTTIER
DATE: 8/4/16

HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

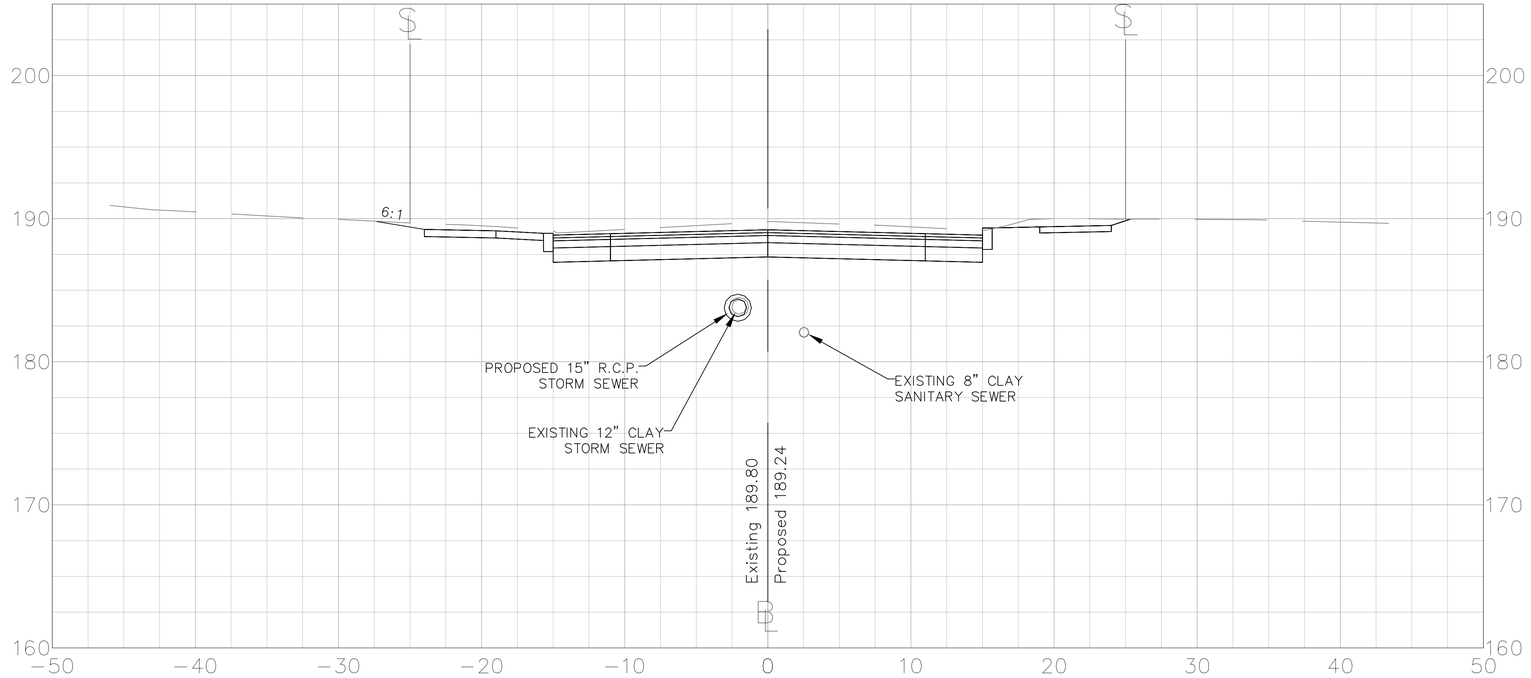
REV.	DATE	DESCRIPTION	BY	APP'D

SCALE: AS NOTED

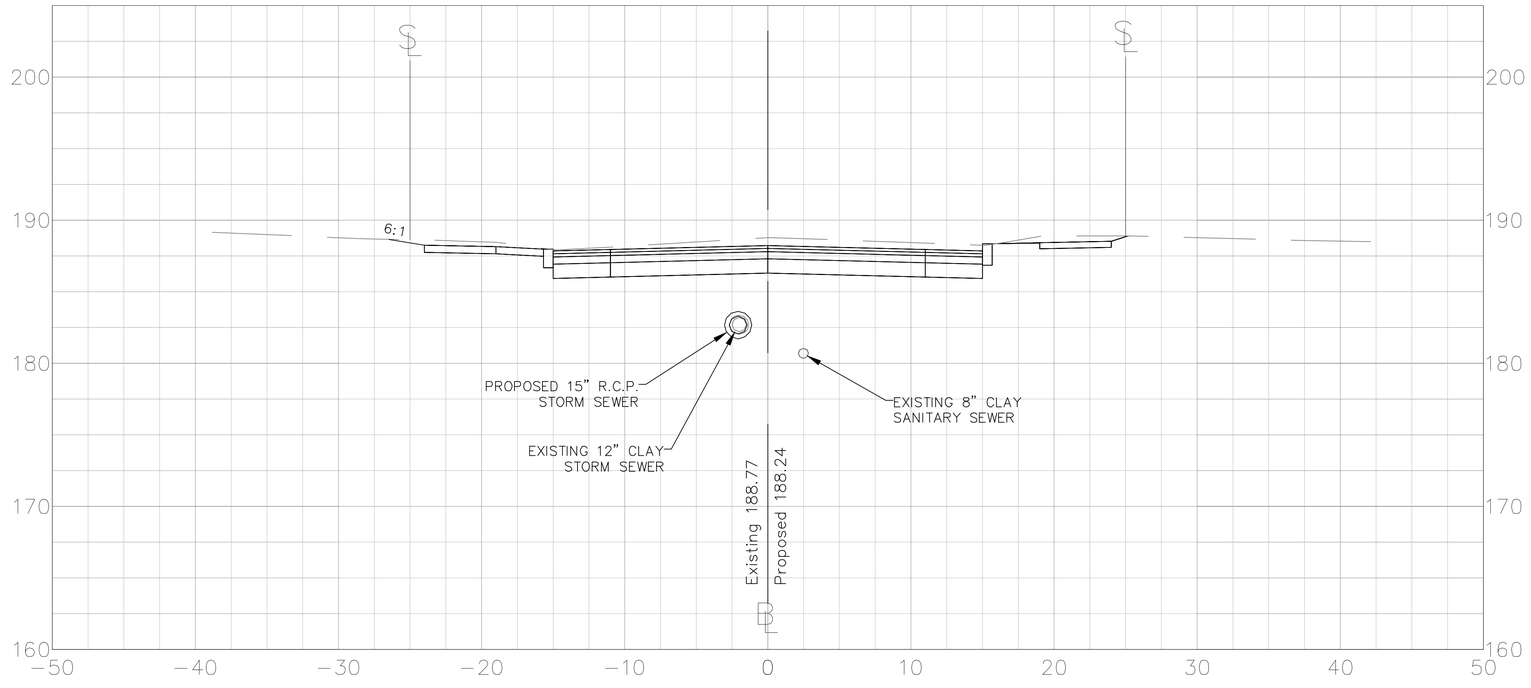
JOB NO. 88-185

SUBSET 14.3

12+40.76



12+06.55



5 2.5 0 5 10 15

SCALE IN FEET
(1" = 5)

CROSS SECTIONS

HART STREET

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
DRAWN BY: C. POLKOWSKI
CHECKED BY: R. TROTTIER
DATE: 8/4/16

HART
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

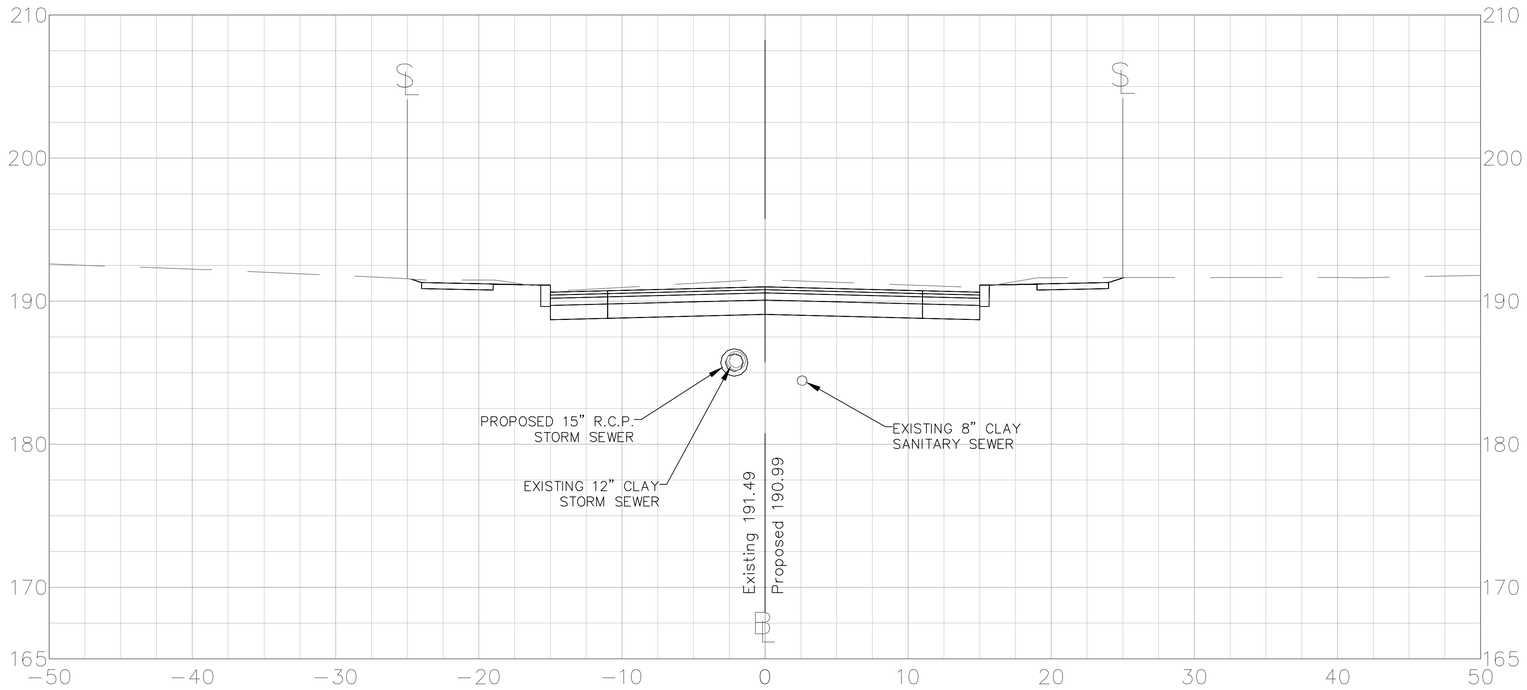
REV.	DATE	DESCRIPTION	BY	APP'D

SCALE: AS NOTED

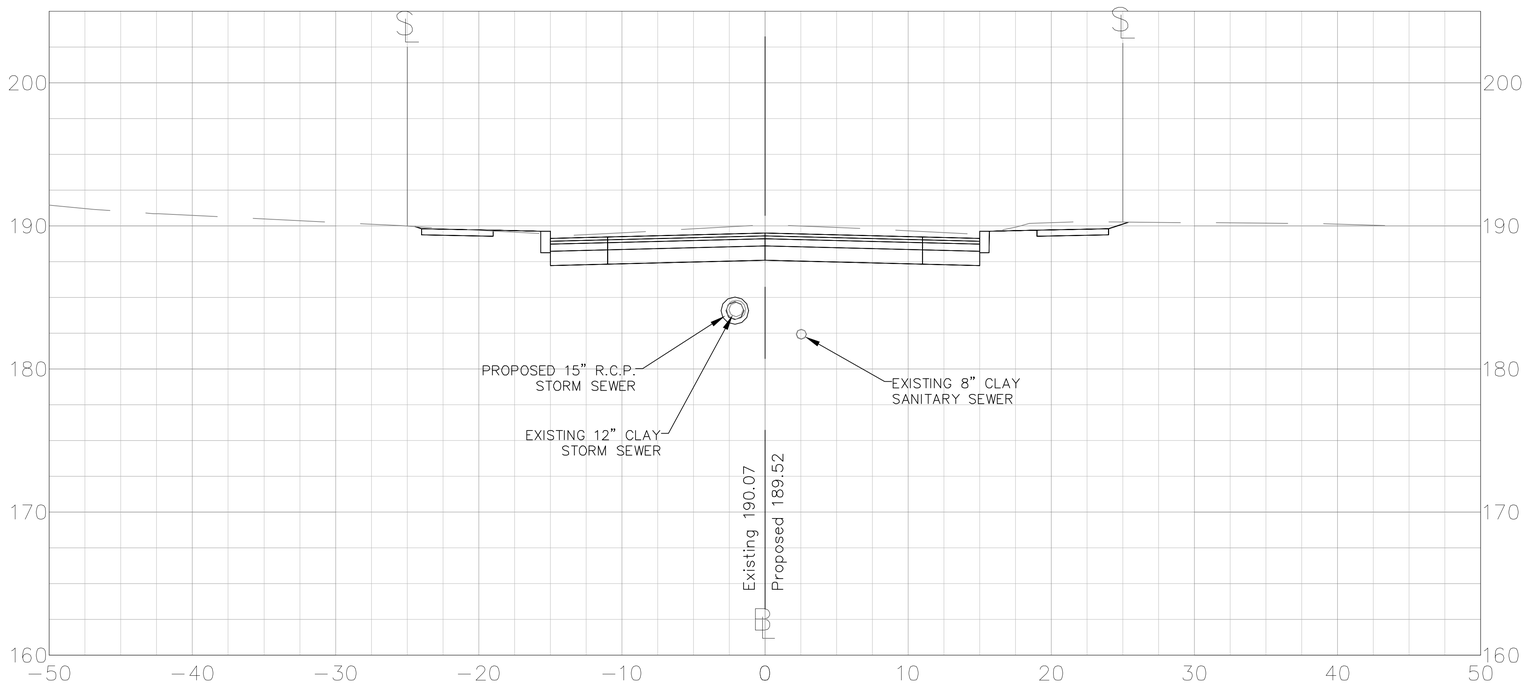
JOB NO. 88-185

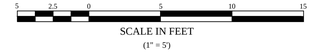
SUBSET 14.4

13+00.00



12+50.00





CROSS SECTIONS

HART STREET

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
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DATE: 8/4/16

HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

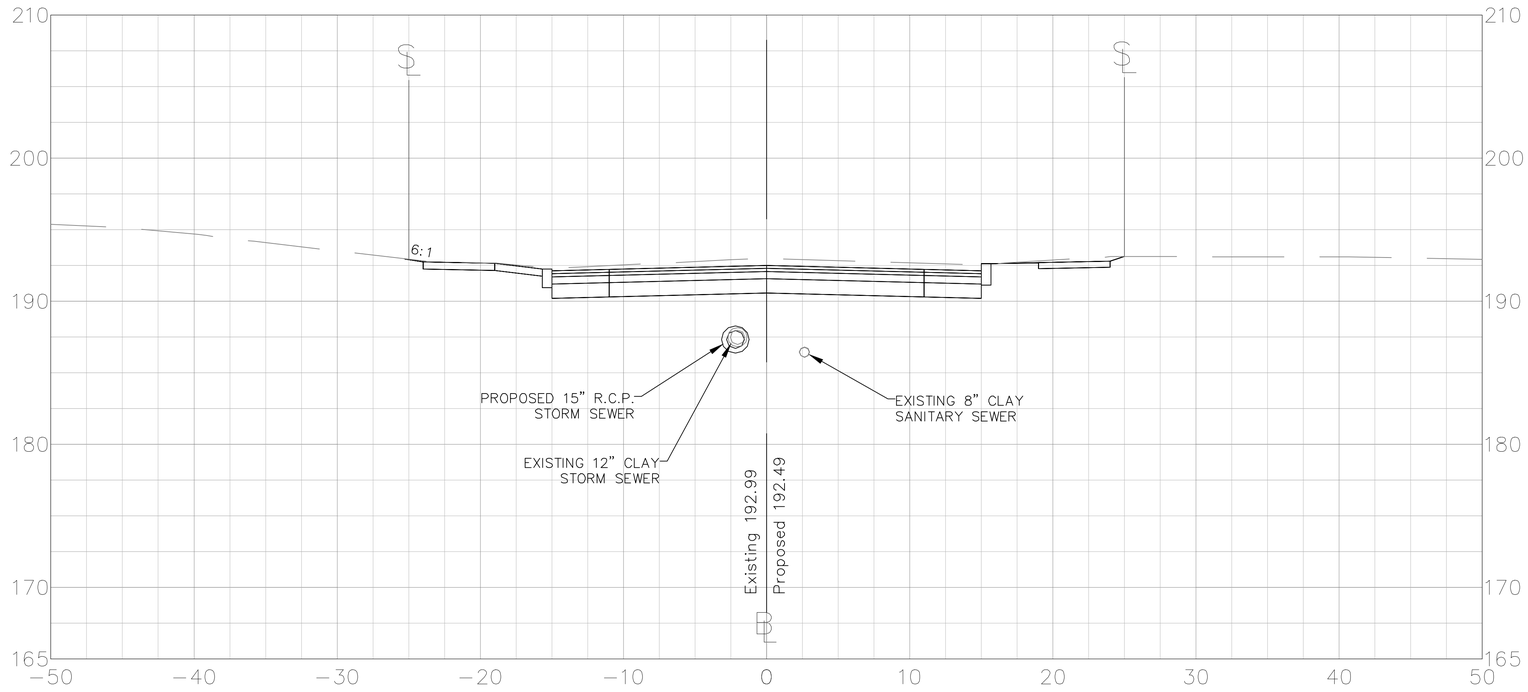
REV.	DATE	DESCRIPTION	BY	APP'D

SCALE: AS NOTED

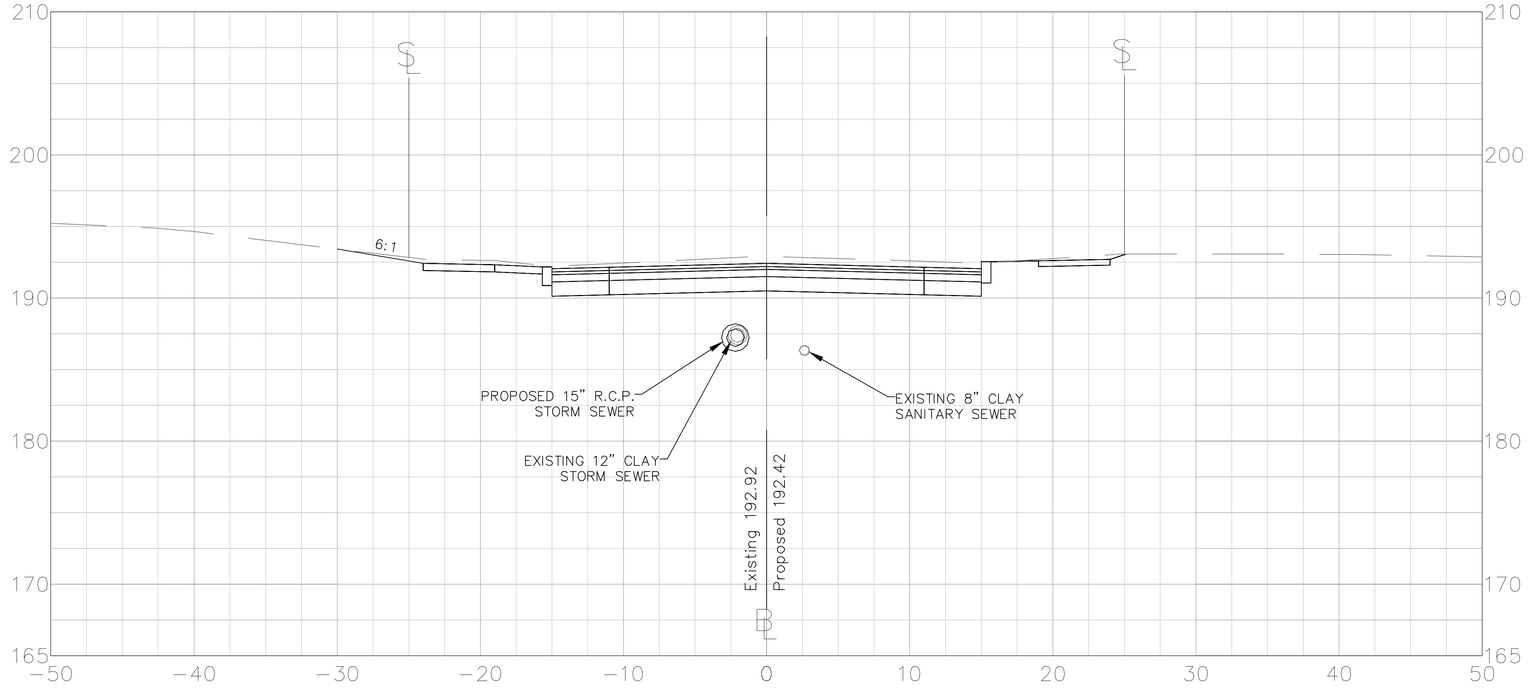
JOB NO. 88-185

SUBSET 14.5

13+50.00



13+47.69





CROSS SECTIONS

HART STREET

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
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CHECKED BY: R. TROTTIER
DATE: 8/4/16

HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

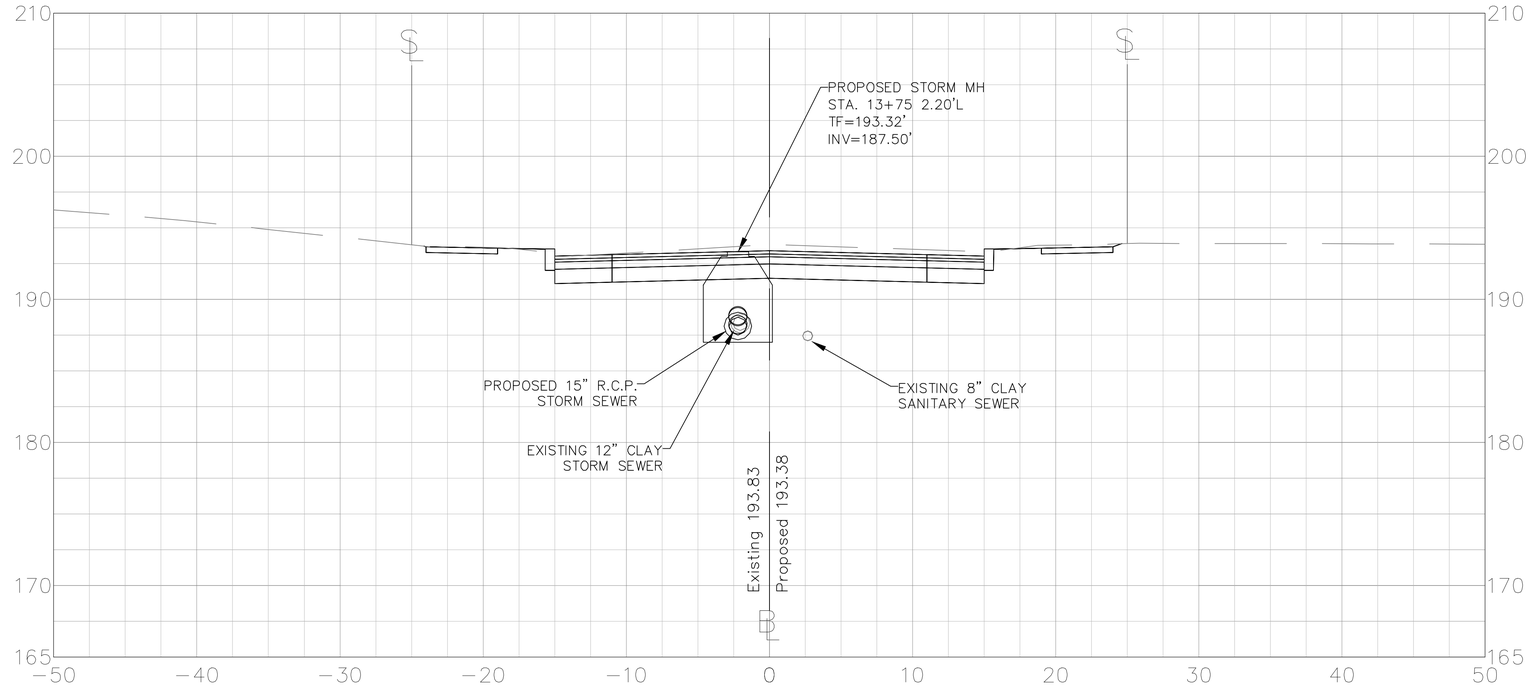
REV.	DATE	DESCRIPTION	BY	APP'D

SCALE: AS NOTED

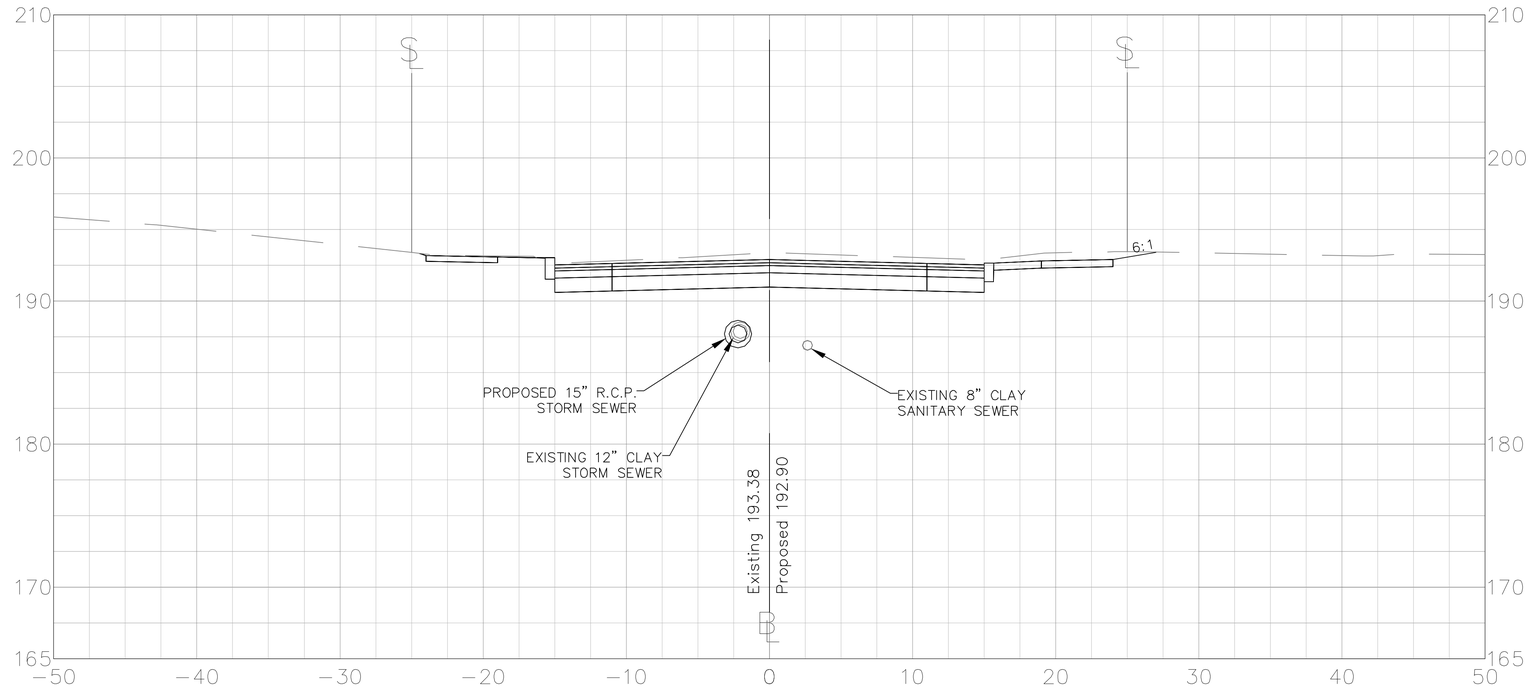
JOB NO. 88-185

SUBSET 14.6

13+75.00



13+61.75



5 2.5 0 5 10 15
SCALE IN FEET
(1" = 5)

CROSS SECTIONS
HART STREET

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

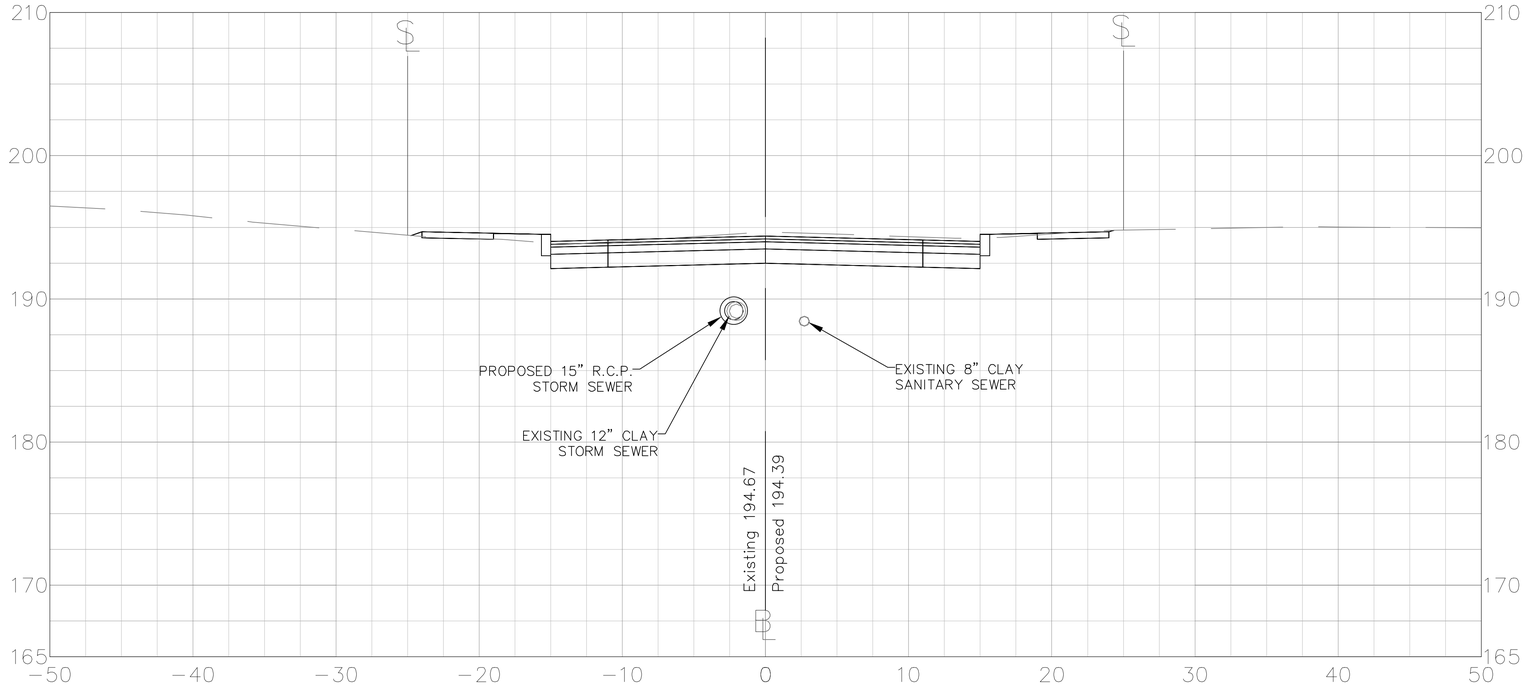
DESIGNED BY: C. POLKOWSKI
DRAWN BY: C. POLKOWSKI
CHECKED BY: R. TROTTIER
DATE: 8/4/16

HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

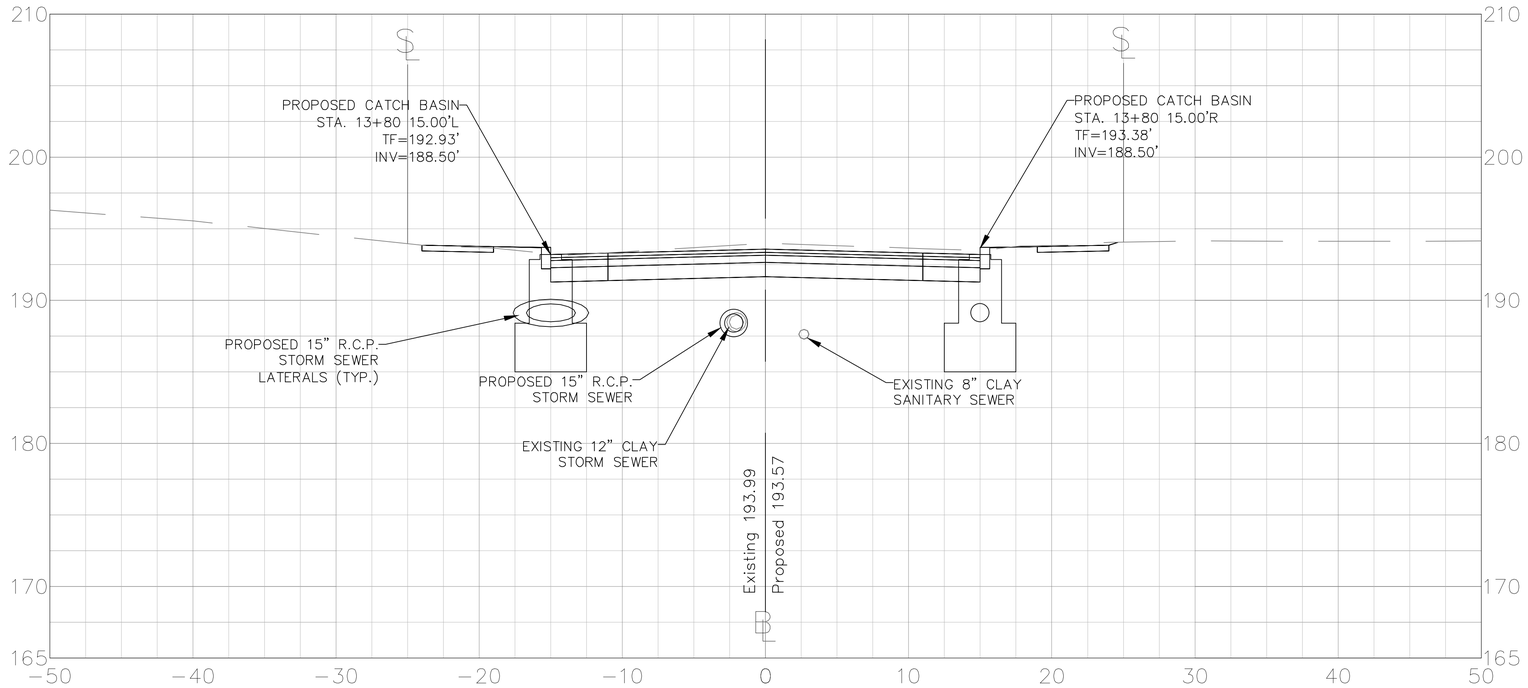
REV.	DATE	DESCRIPTION	BY	APP'D

SCALE: AS NOTED
JOB NO. 88-185
SUBSET 14.7

14+00.00



13+80.00



5 2.5 0 5 10 15

SCALE IN FEET
(1" = 5)

CROSS SECTIONS

HART STREET

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
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DATE: 8/4/16

HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

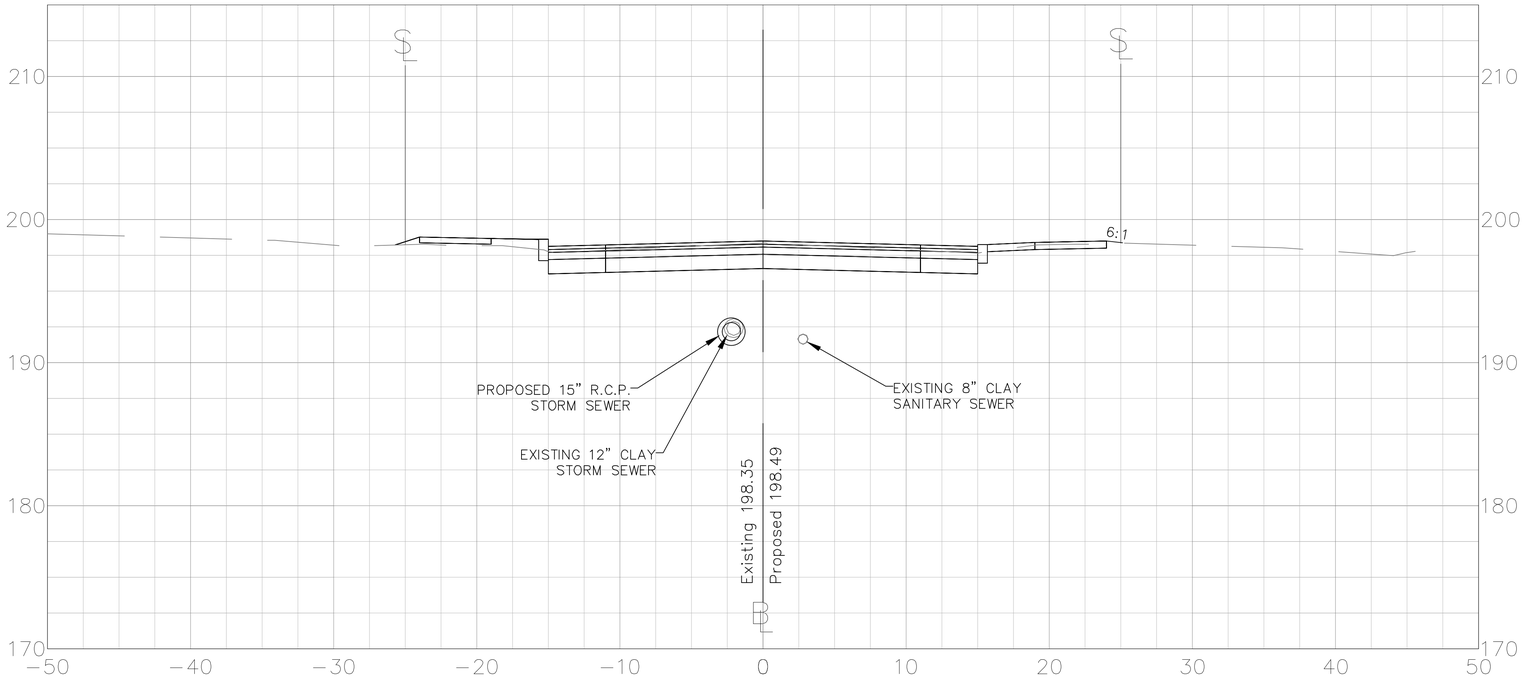
REV.	DATE	DESCRIPTION	BY	APP'D

SCALE: AS NOTED

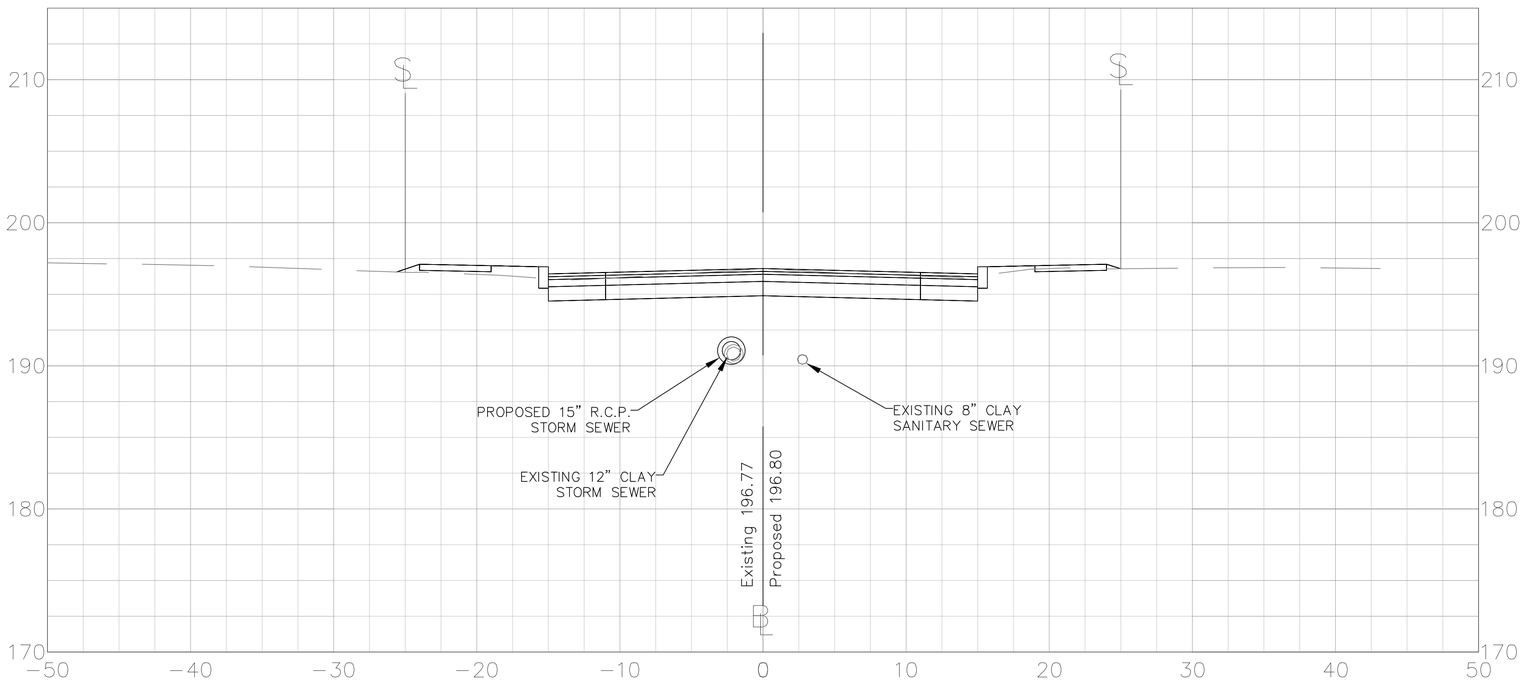
JOB NO. 88-185

SUBSET 14.8

14+79.98



14+50.00



5 2.5 0 5 10 15
SCALE IN FEET
(1" = 5)

CROSS SECTIONS
HART STREET

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
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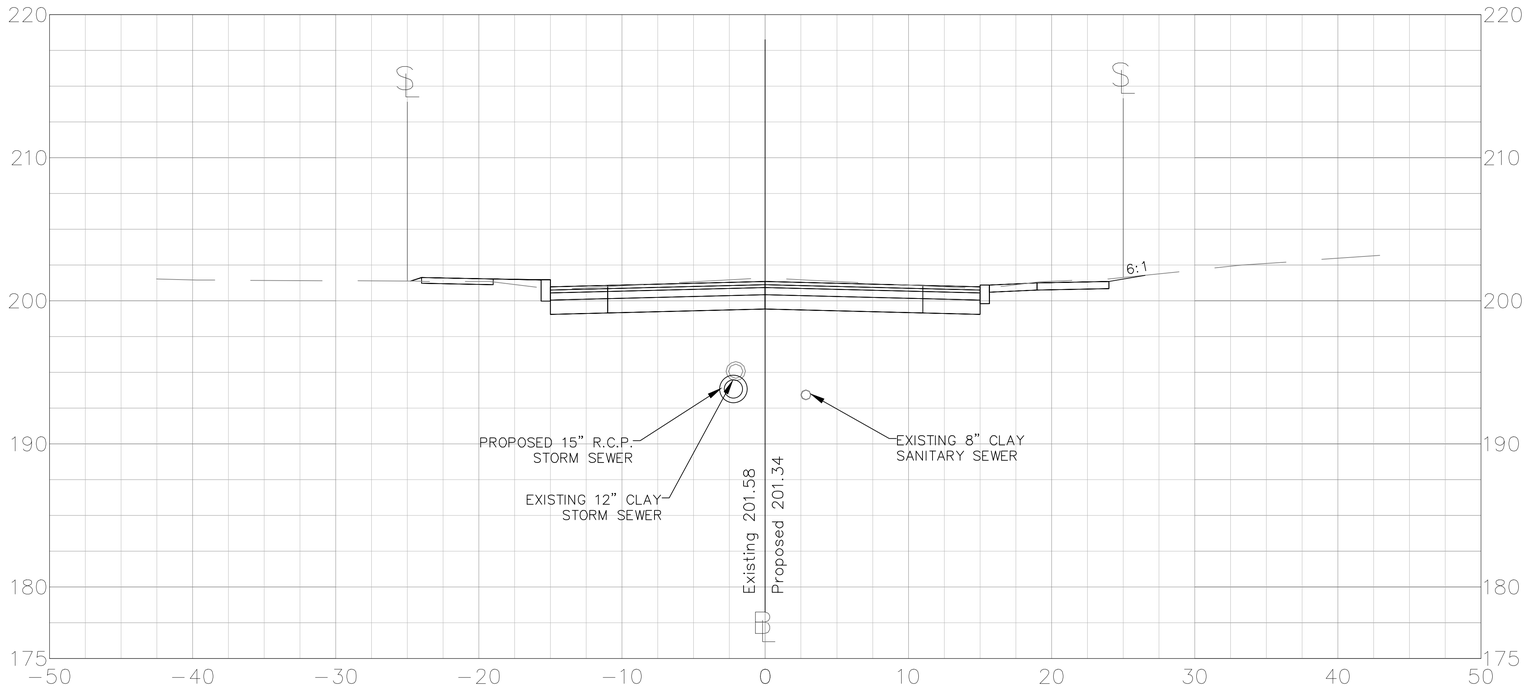
HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

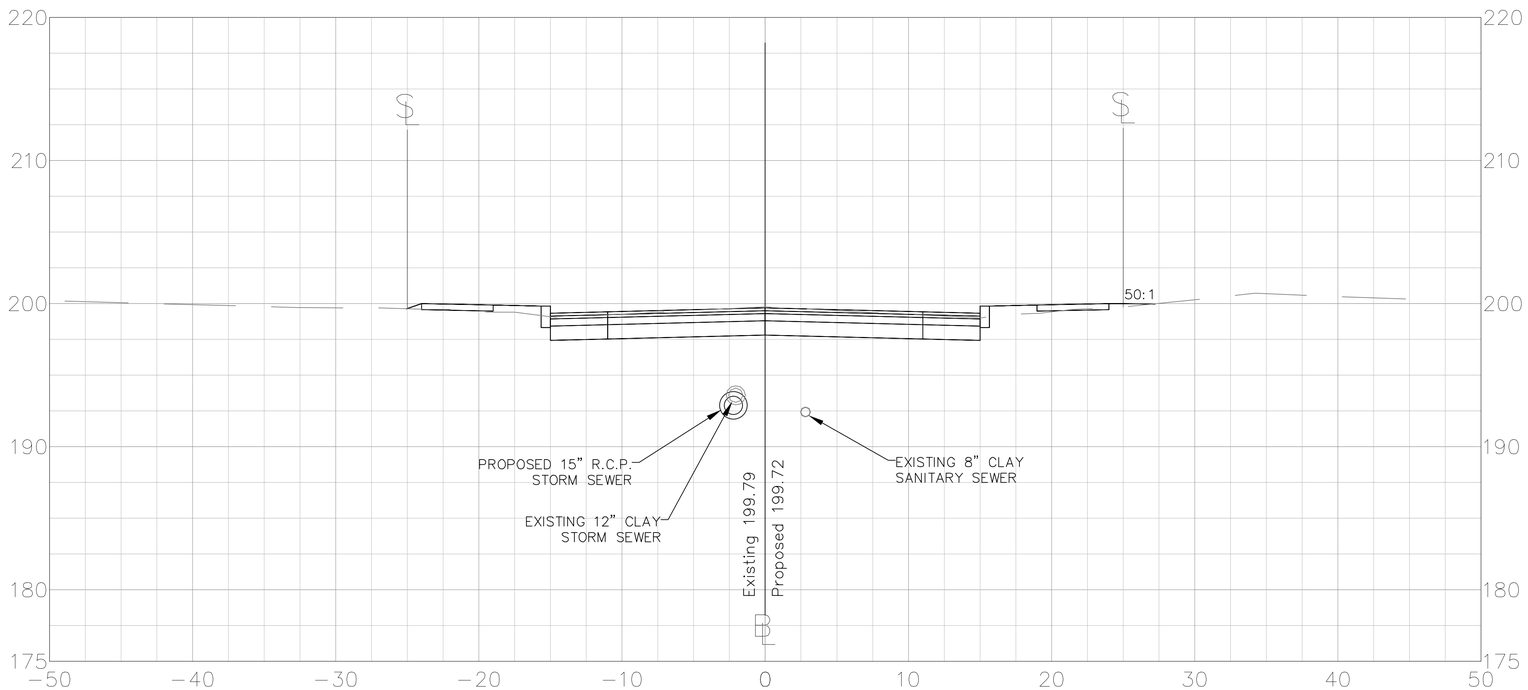
REV.	DATE	DESCRIPTION	BY	APP'D

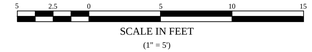
SCALE: AS NOTED
JOB NO. 88-185
SUBSET 14.9

15+24.52



15+00.00





CROSS SECTIONS

HART STREET

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
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CHECKED BY: R. TROTTIER
DATE: 8/4/16

HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

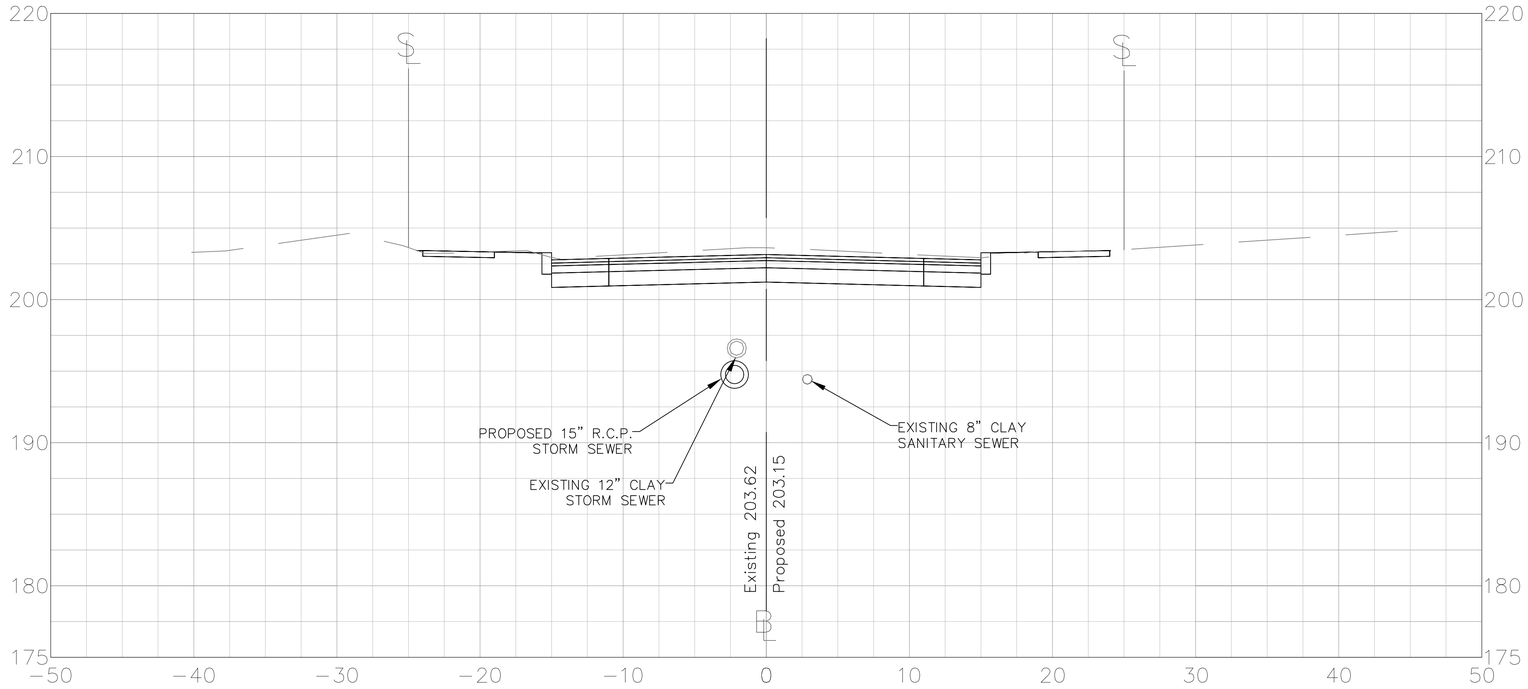
REV.	DATE	DESCRIPTION	BY	APP'D

SCALE: AS NOTED

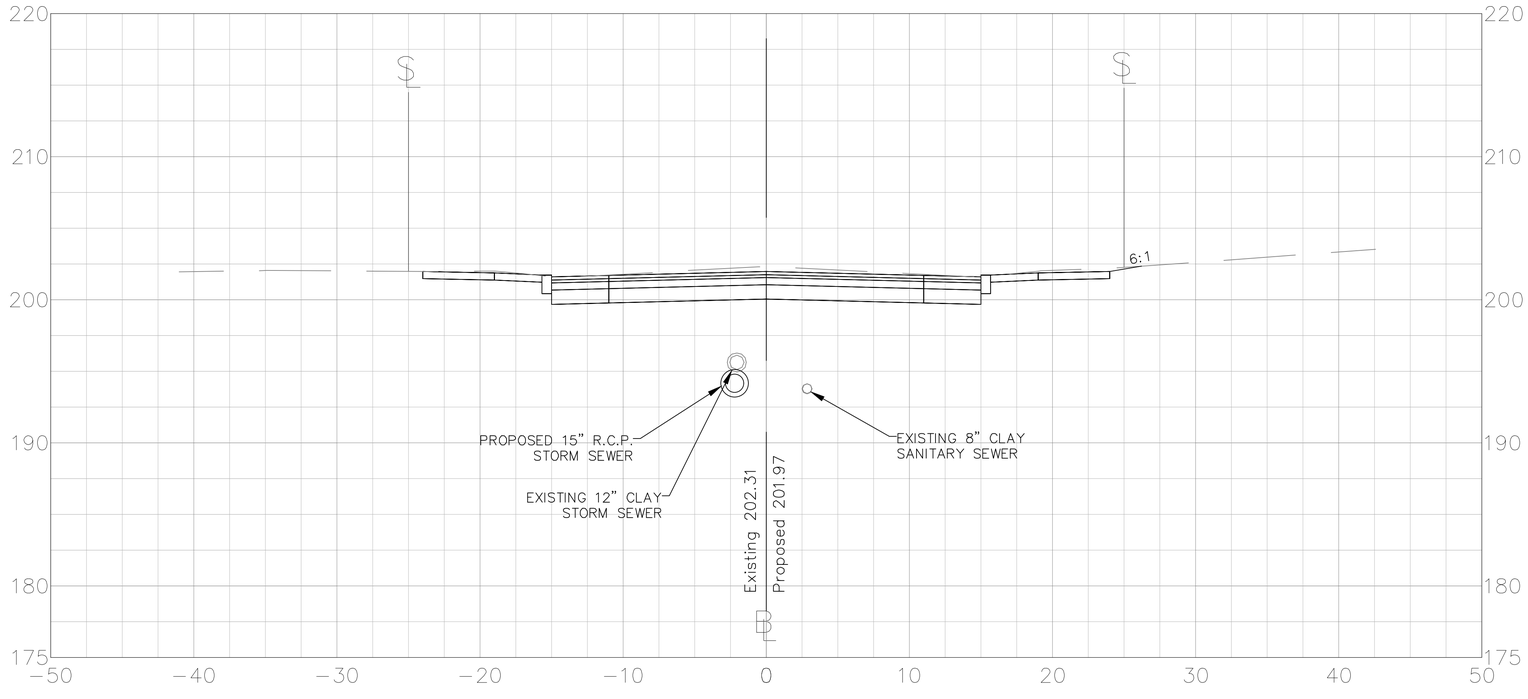
JOB NO. 88-185

SUBSET 14.10

15+50.00



15+33.63



SCALE IN FEET
(1" = 5')

CROSS SECTIONS

HART STREET

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

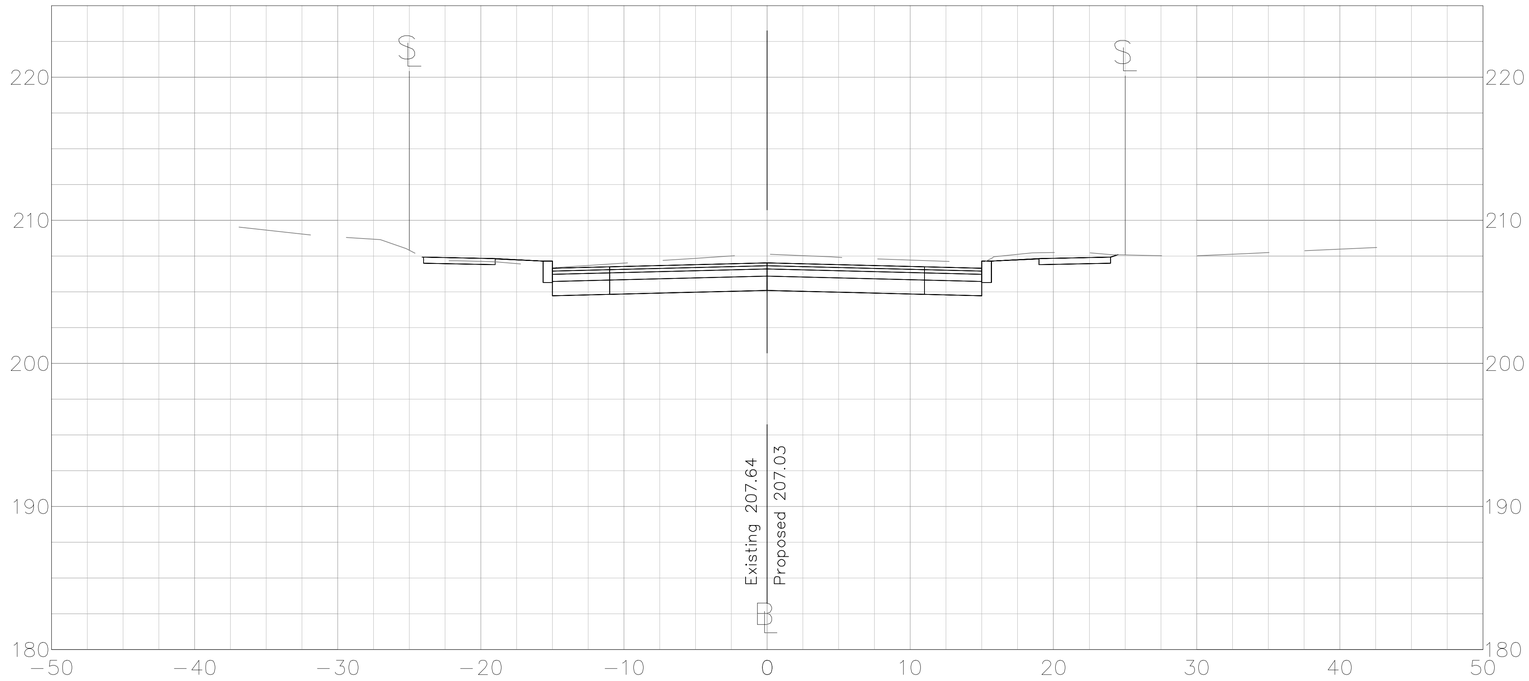
DESIGNED BY: C. POLKOWSKI
DRAWN BY: C. POLKOWSKI
CHECKED BY: R. TROTTIER
DATE: 8/4/16

HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

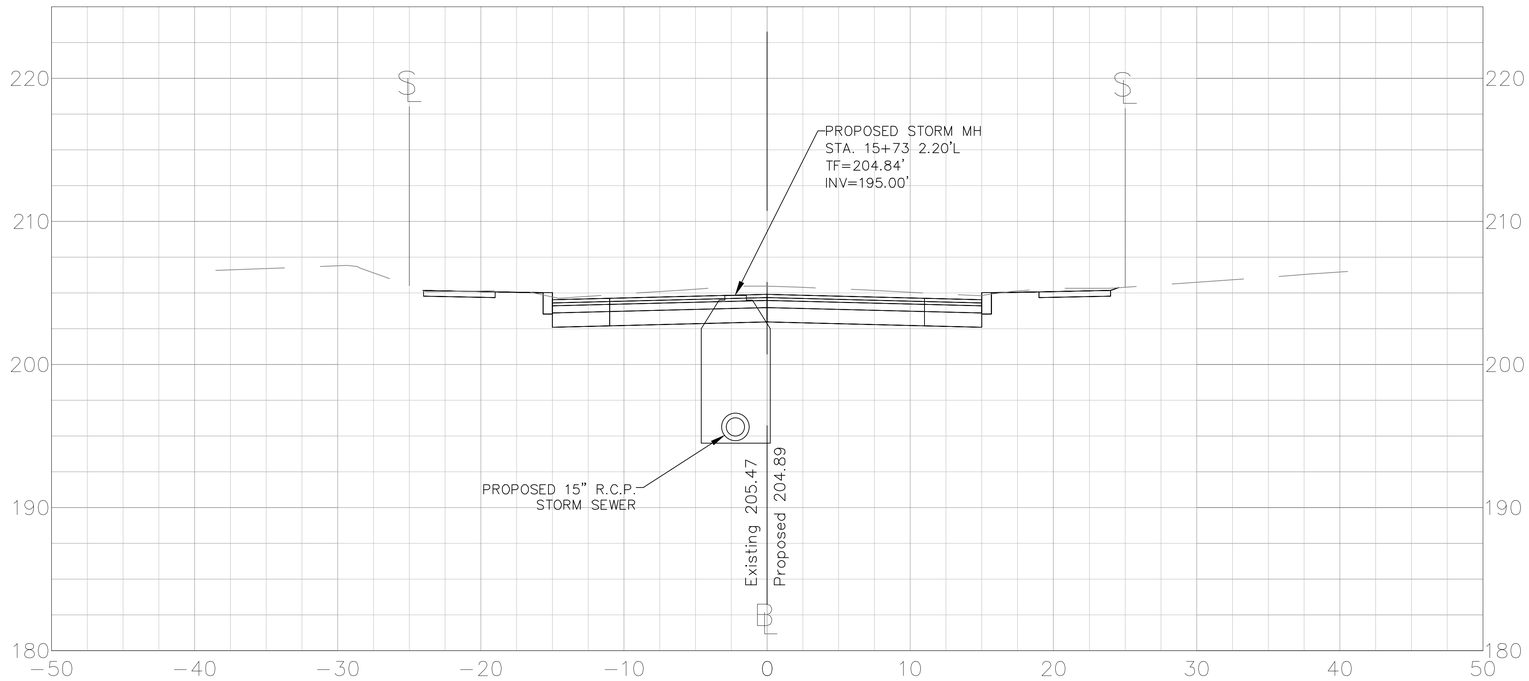
REV.	DATE	DESCRIPTION	BY	APP'D

SCALE: AS NOTED
JOB NO. 88-185
SUBSET 14.11

16+00.00



15+73.00



5 2.5 0 5 10 15
SCALE IN FEET
(1" = 5)

CROSS SECTIONS
HART STREET

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

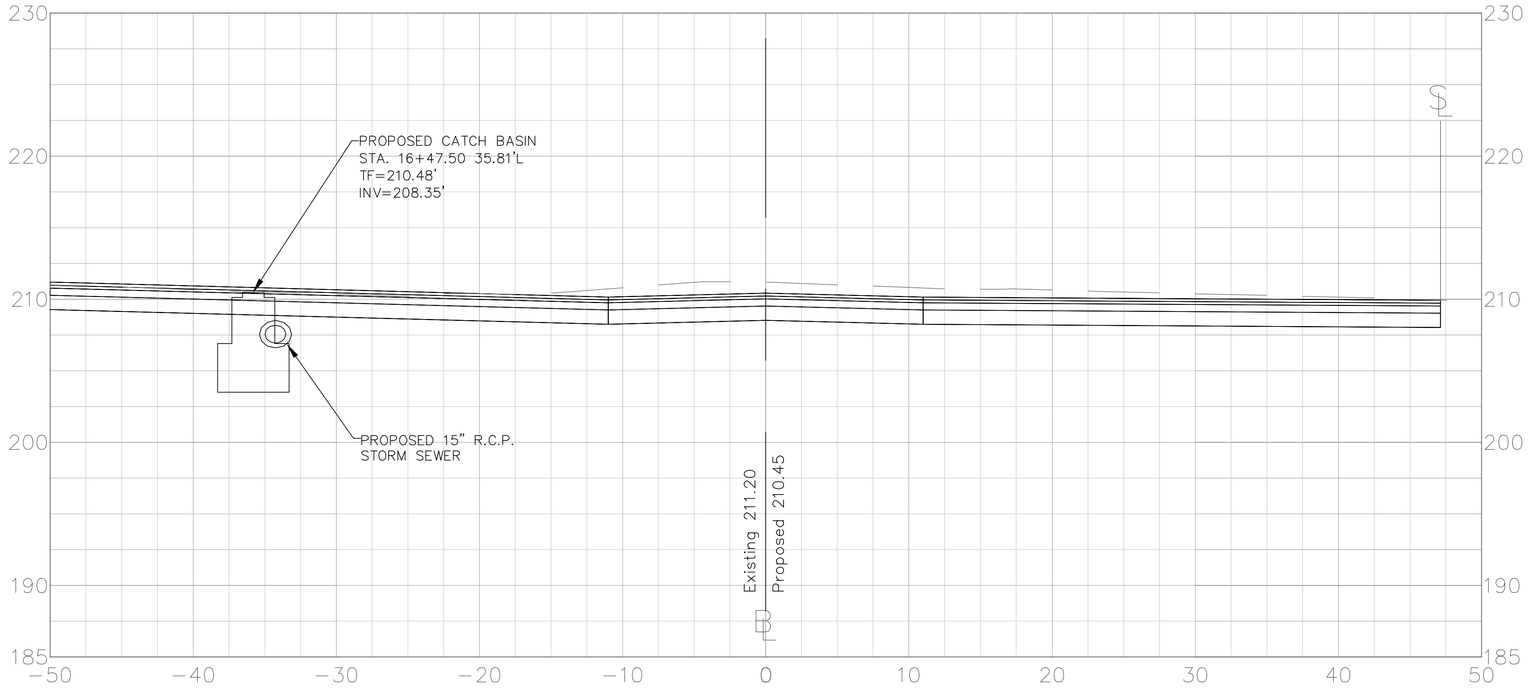
DESIGNED BY: C. POLKOWSKI
DRAWN BY: C. POLKOWSKI
CHECKED BY: R. TROTTIER
DATE: 8/4/16

HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

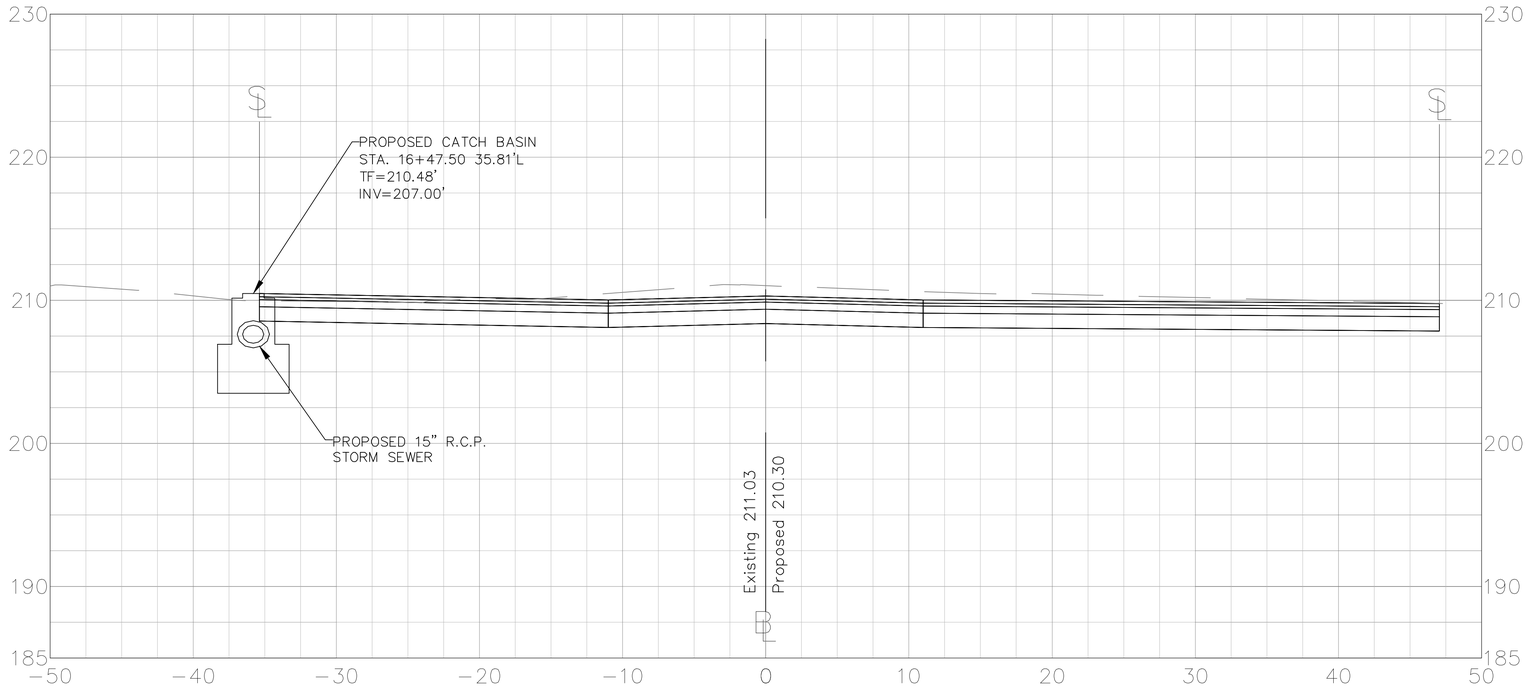
REV.	DATE	DESCRIPTION	BY	APP'D

SCALE: AS NOTED
JOB NO. 88-185
SUBSET 14.12

16+50.00



16+47.50



5 2.5 0 5 10 15

SCALE IN FEET
(1" = 5)

CROSS SECTIONS

HART STREET

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
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DATE: 8/4/16

HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

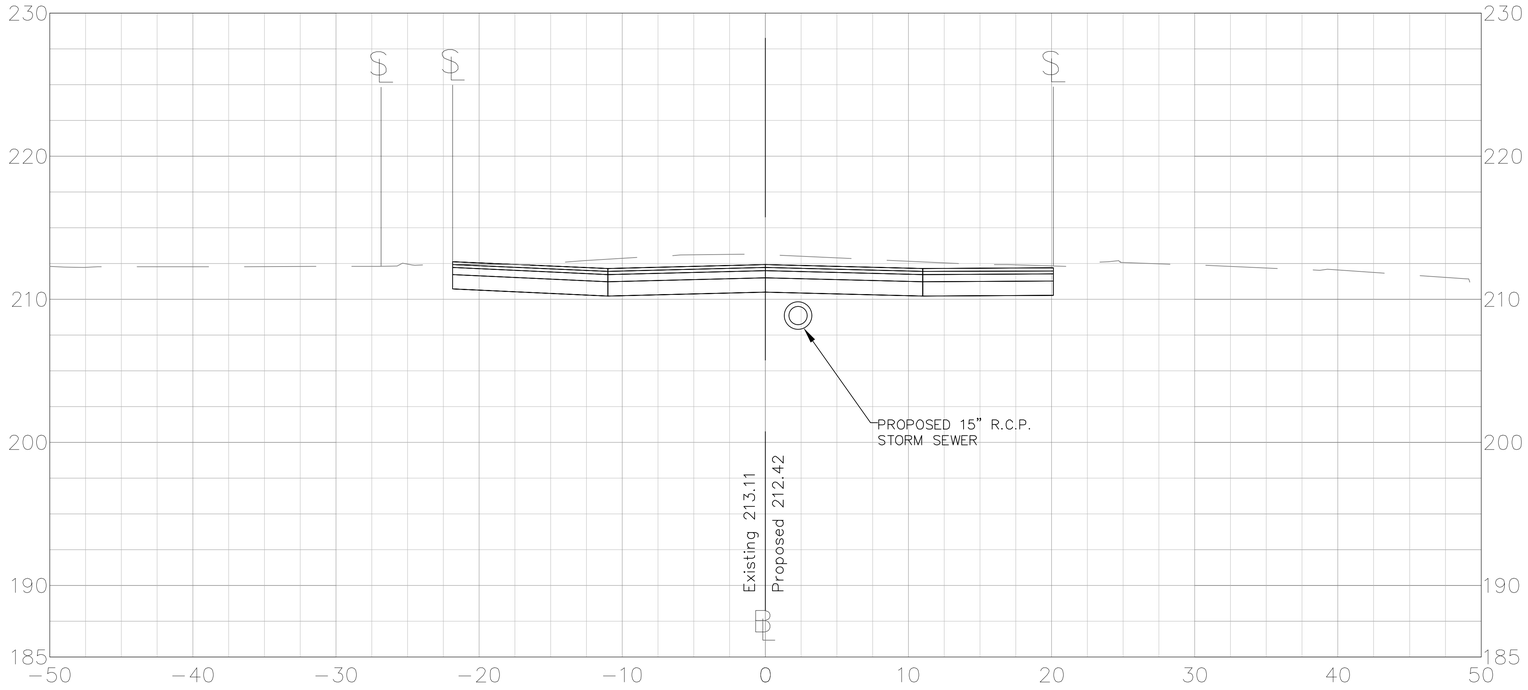
REV.	DATE	DESCRIPTION	BY	APP'D

SCALE: AS NOTED

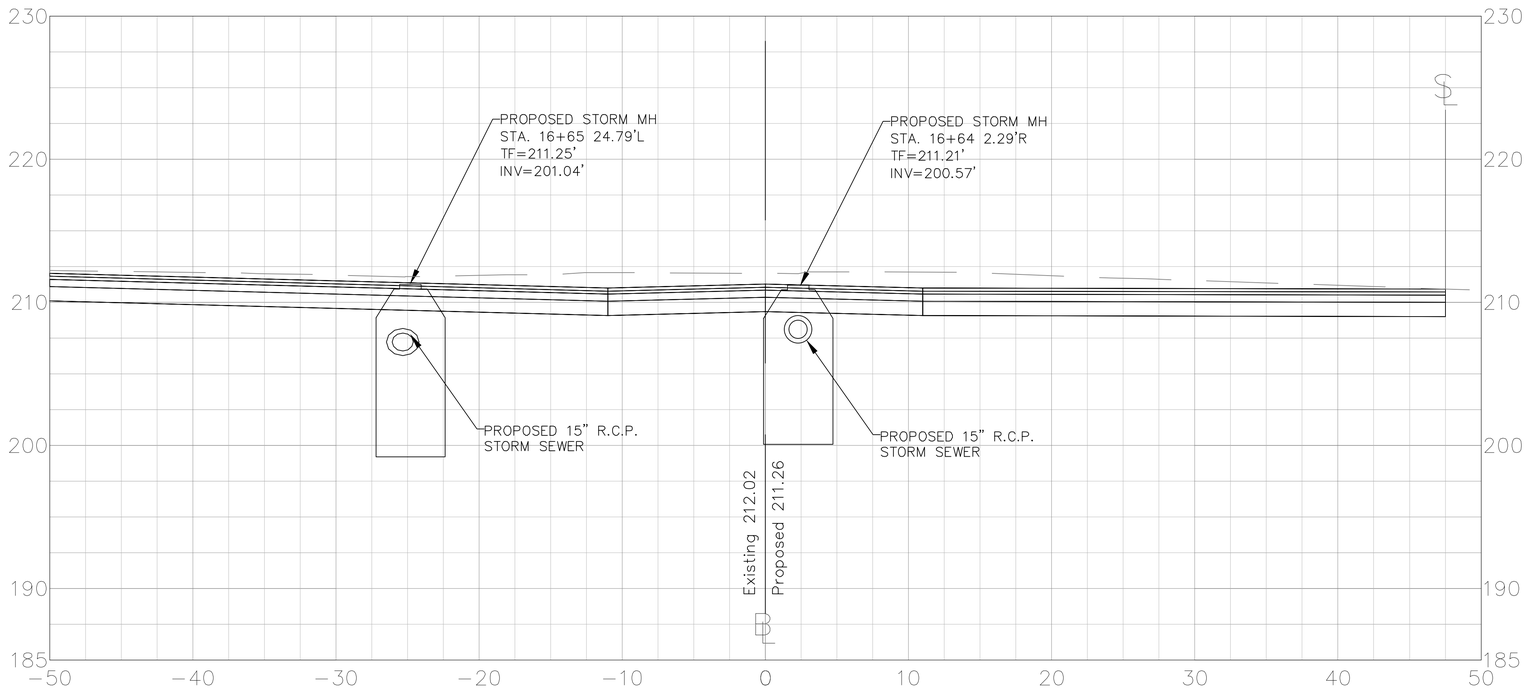
JOB NO. 88-185

SUBSET 14.13

16+87.02



16+64.31



5 2.5 0 5 10 15
SCALE IN FEET
(1" = 5')

CROSS SECTIONS

HART STREET

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
DRAWN BY: C. POLKOWSKI
CHECKED BY: R. TROTTIER
DATE: 8/4/16

HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

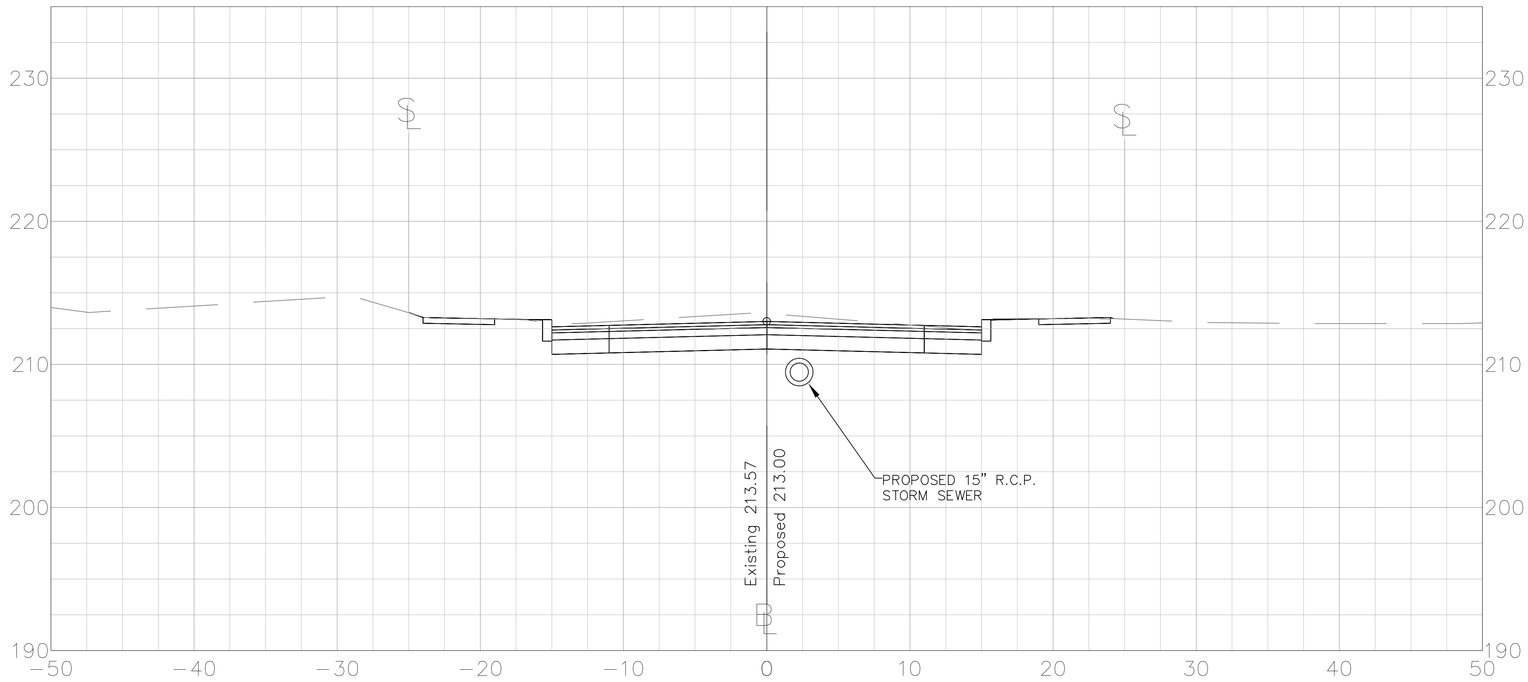
REV.	DATE	DESCRIPTION	BY	APP'D

SCALE: AS NOTED

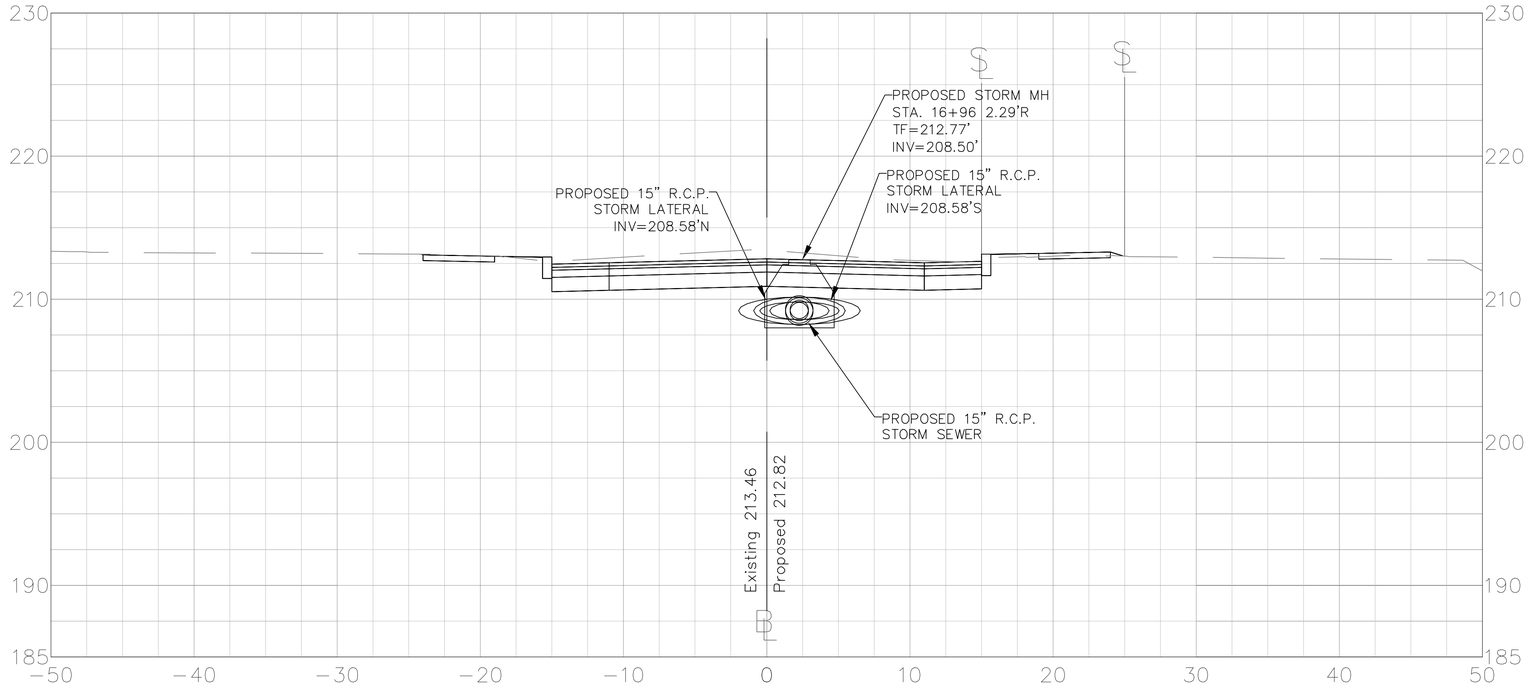
JOB NO. 88-185

SUBSET 14.14

17+00.00



16+96.00



5 2.5 0 5 10 15
SCALE IN FEET
(1" = 5)

CROSS SECTIONS

HART STREET

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
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HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

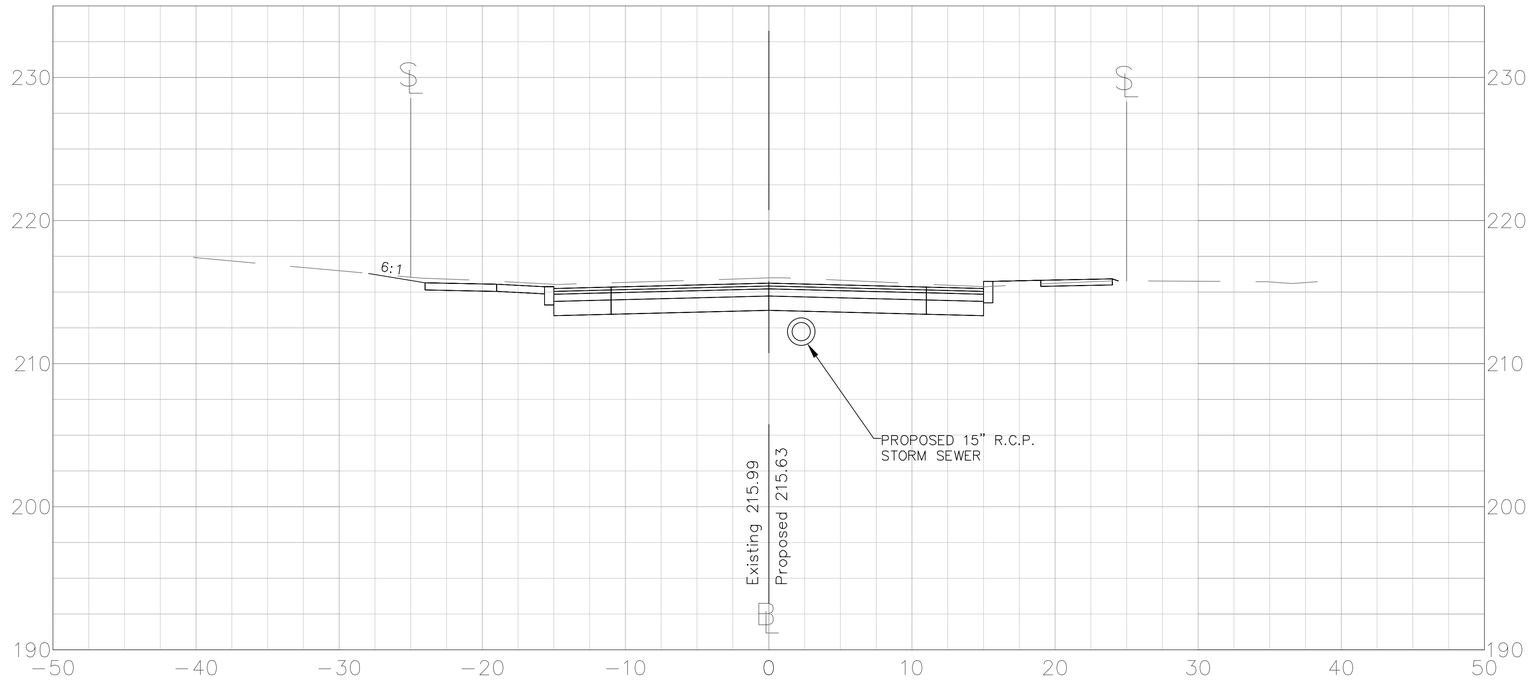
REV.	DATE	DESCRIPTION	BY	APP'D

SCALE: AS NOTED

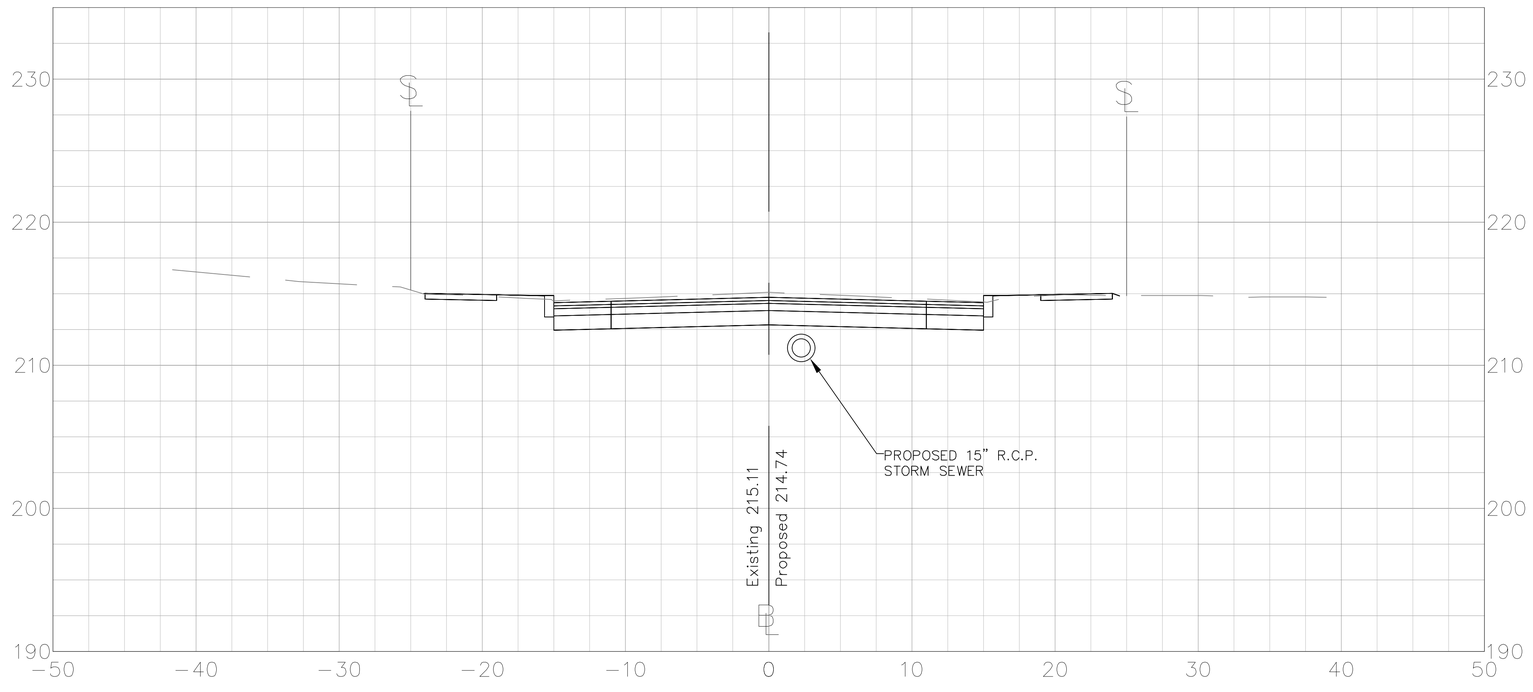
JOB NO. 88-185

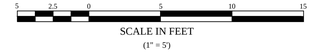
SUBSET 14.15

17+78.56



17+50.00





CROSS SECTIONS

HART STREET

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27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
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HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

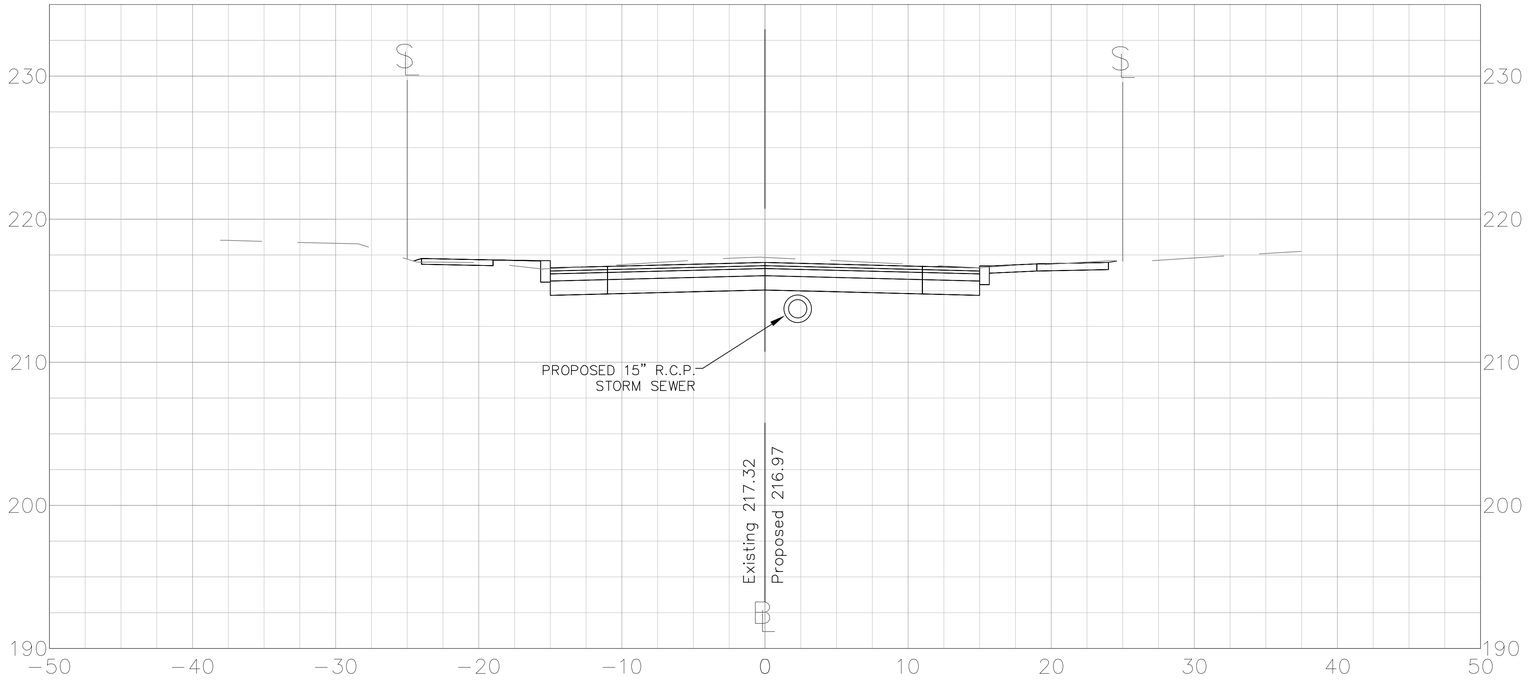
REV.	DATE	DESCRIPTION	BY	APP'D

SCALE: AS NOTED

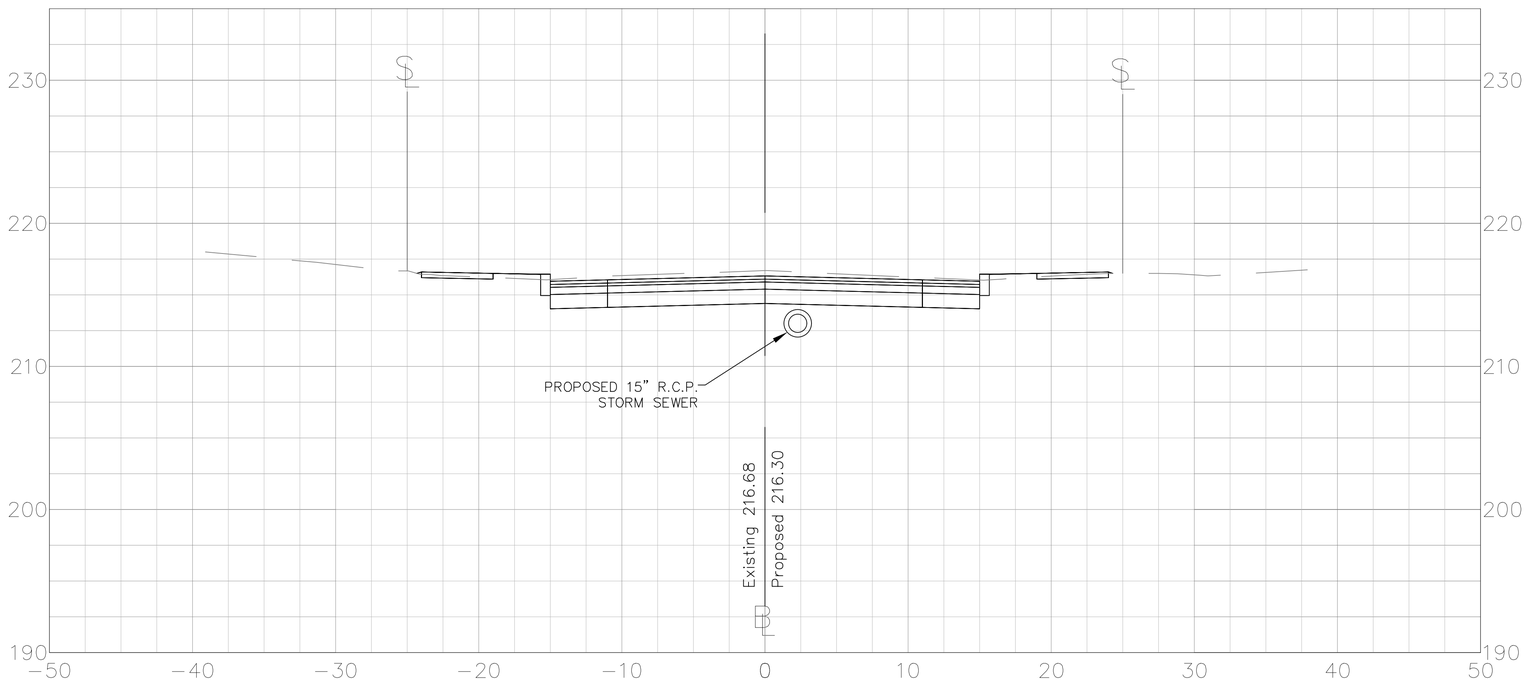
JOB NO. 88-185

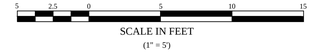
SUBSET 14.16

18+20.86



18+00.00





CROSS SECTIONS

HART STREET

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27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
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HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

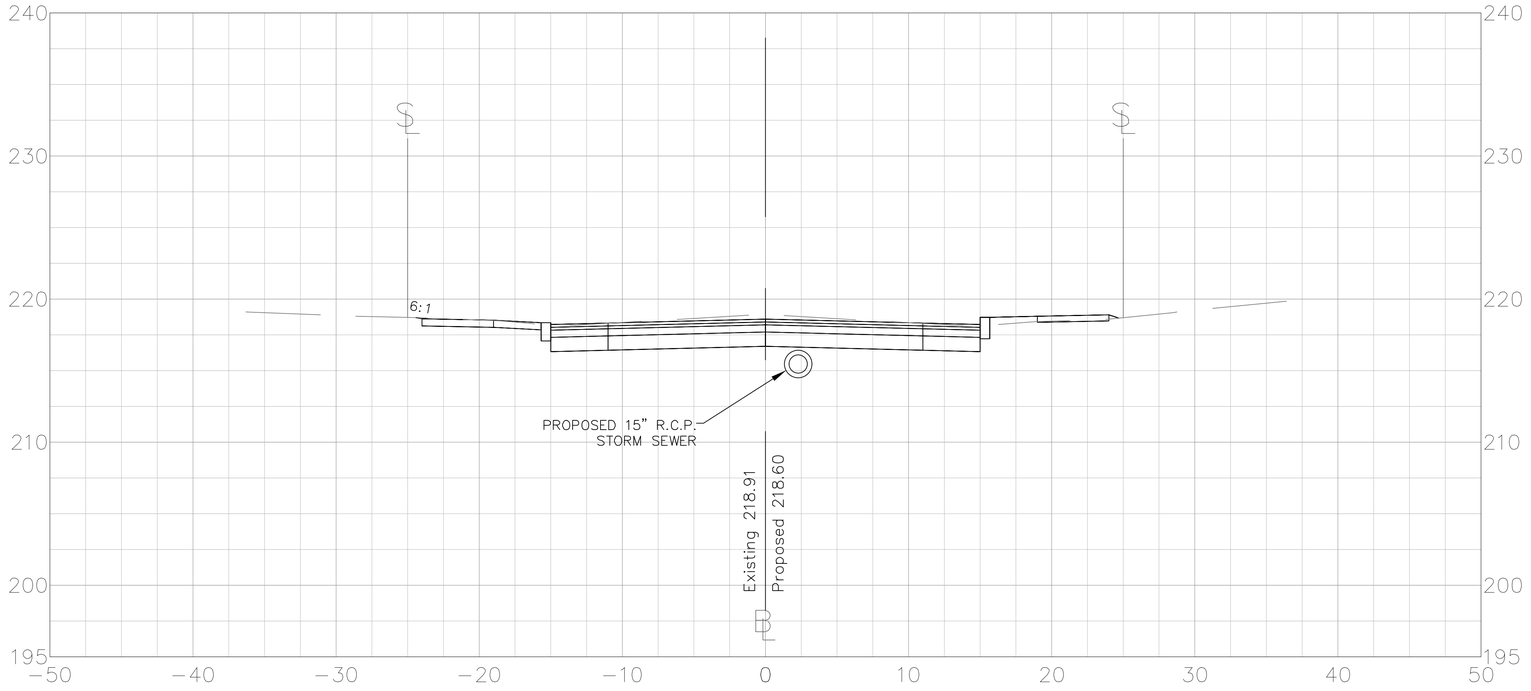
REV.	DATE	DESCRIPTION	BY	APP'D

SCALE: AS NOTED

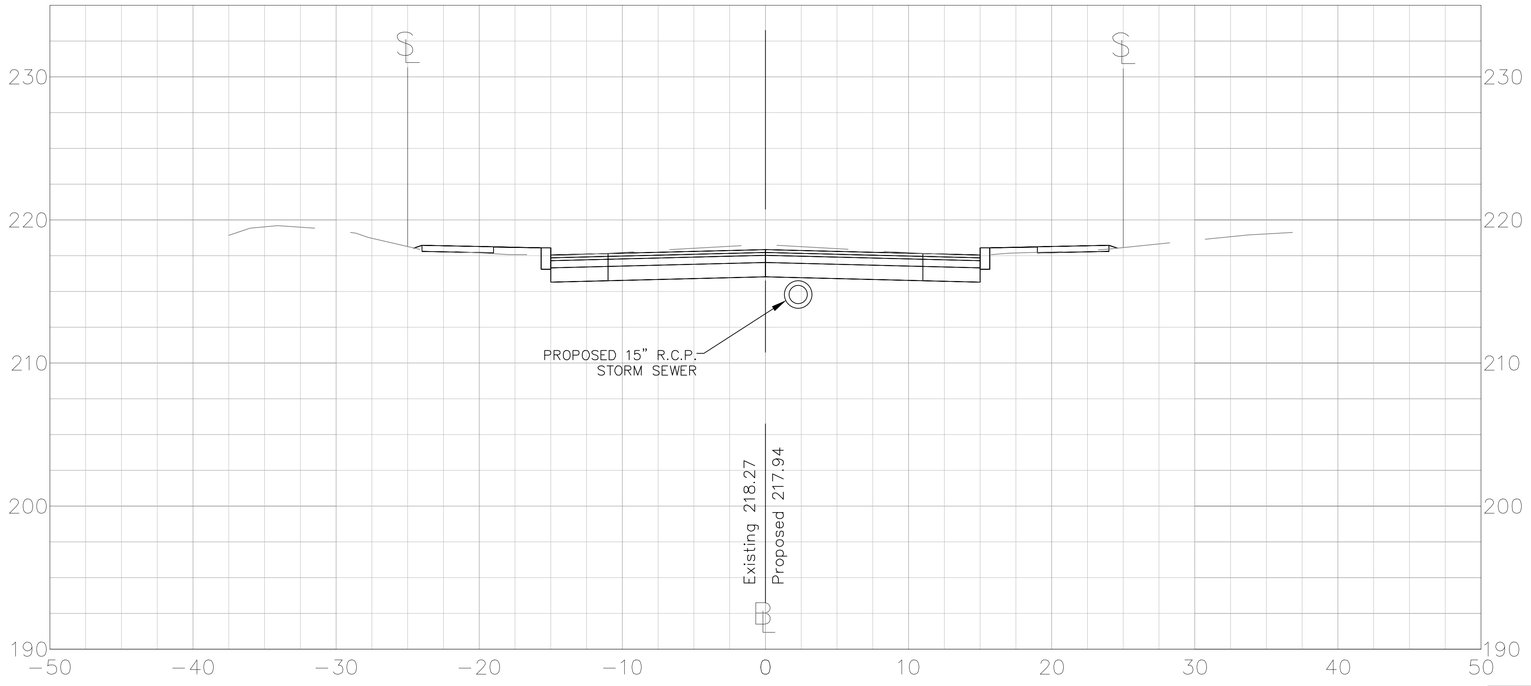
JOB NO. 88-185

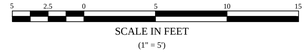
SUBSET 14.17

18+69.14



18+50.00





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27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
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CHECKED BY: R. TROTTIER
DATE: 8/4/16

HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

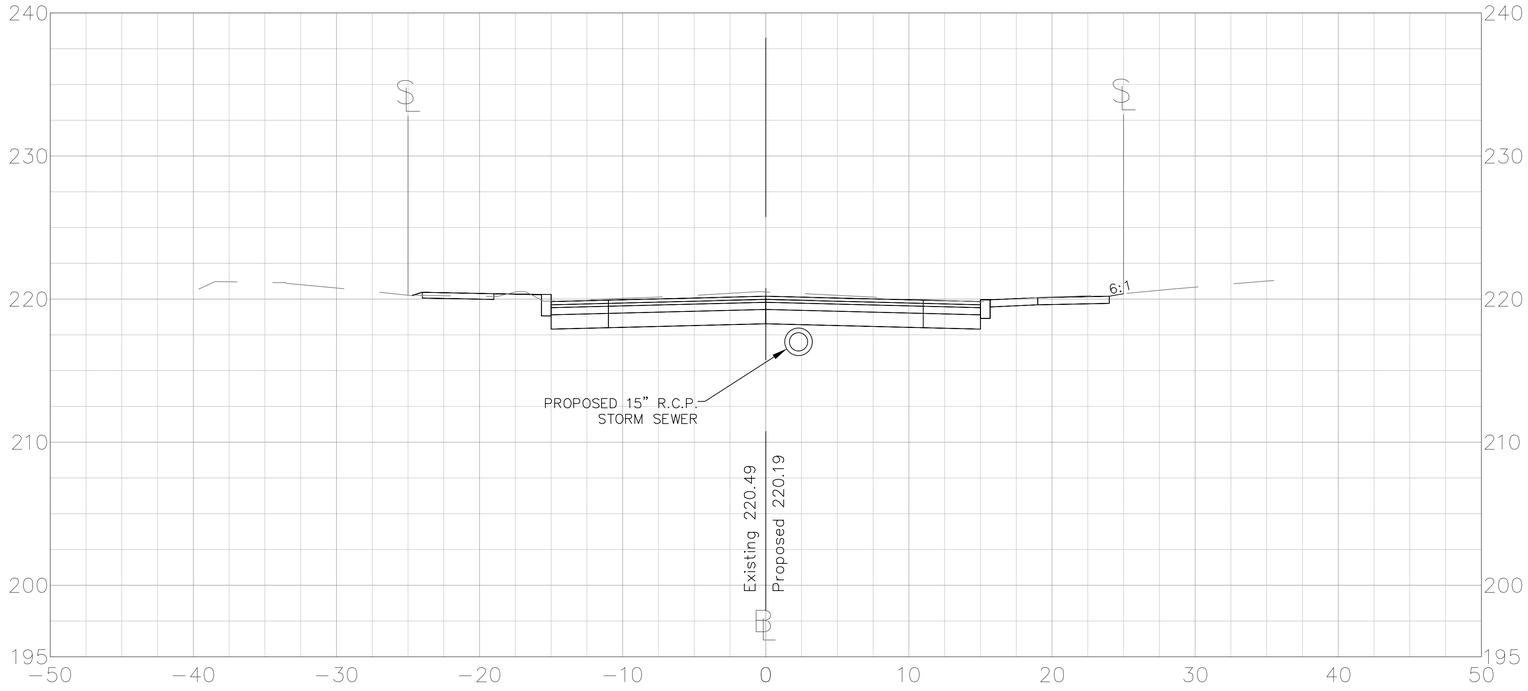
REV.	DATE	DESCRIPTION	BY	APP'D

SCALE: AS NOTED

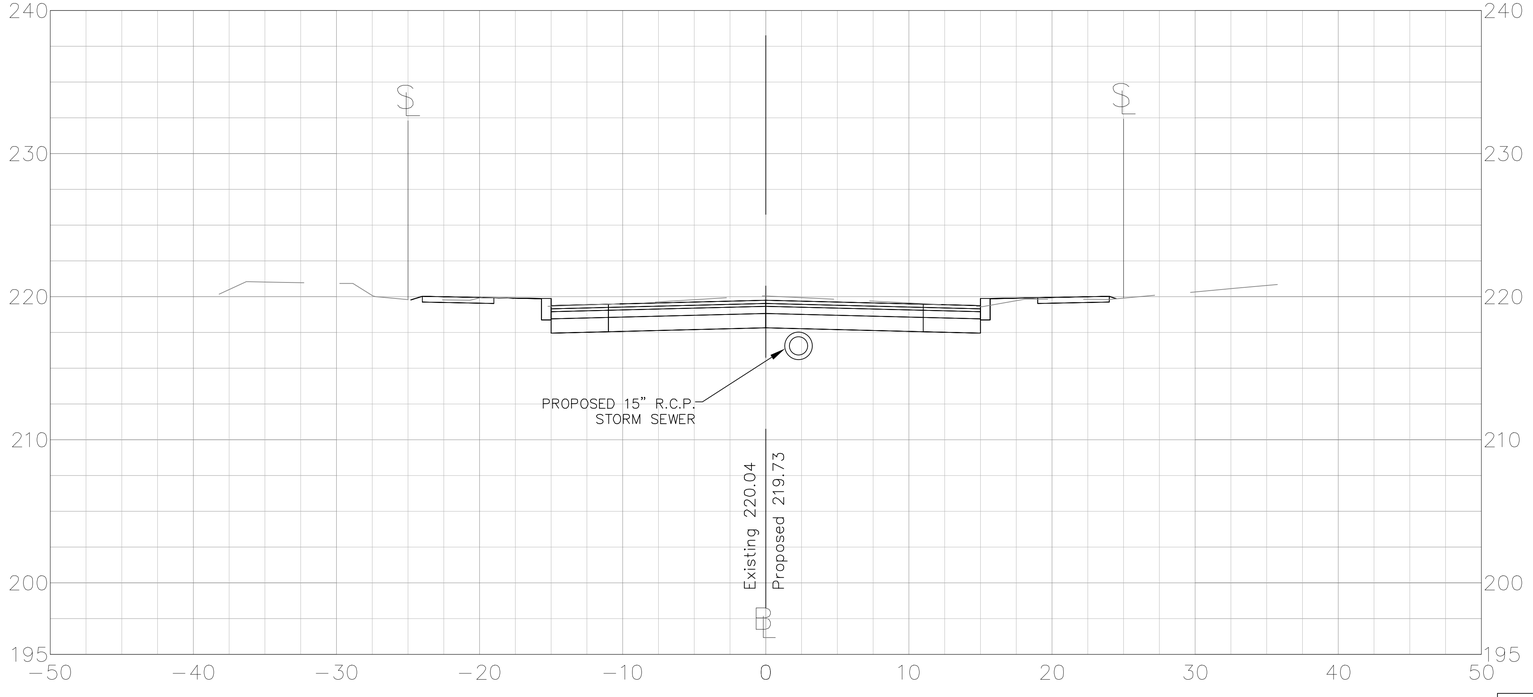
JOB NO. 88-185

SUBSET 14.18

19+11.97



19+00.00





CROSS SECTIONS

HART STREET

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27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

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DRAWN BY: C. POLKOWSKI
CHECKED BY: R. TROTTIER
DATE: 8/4/16

HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

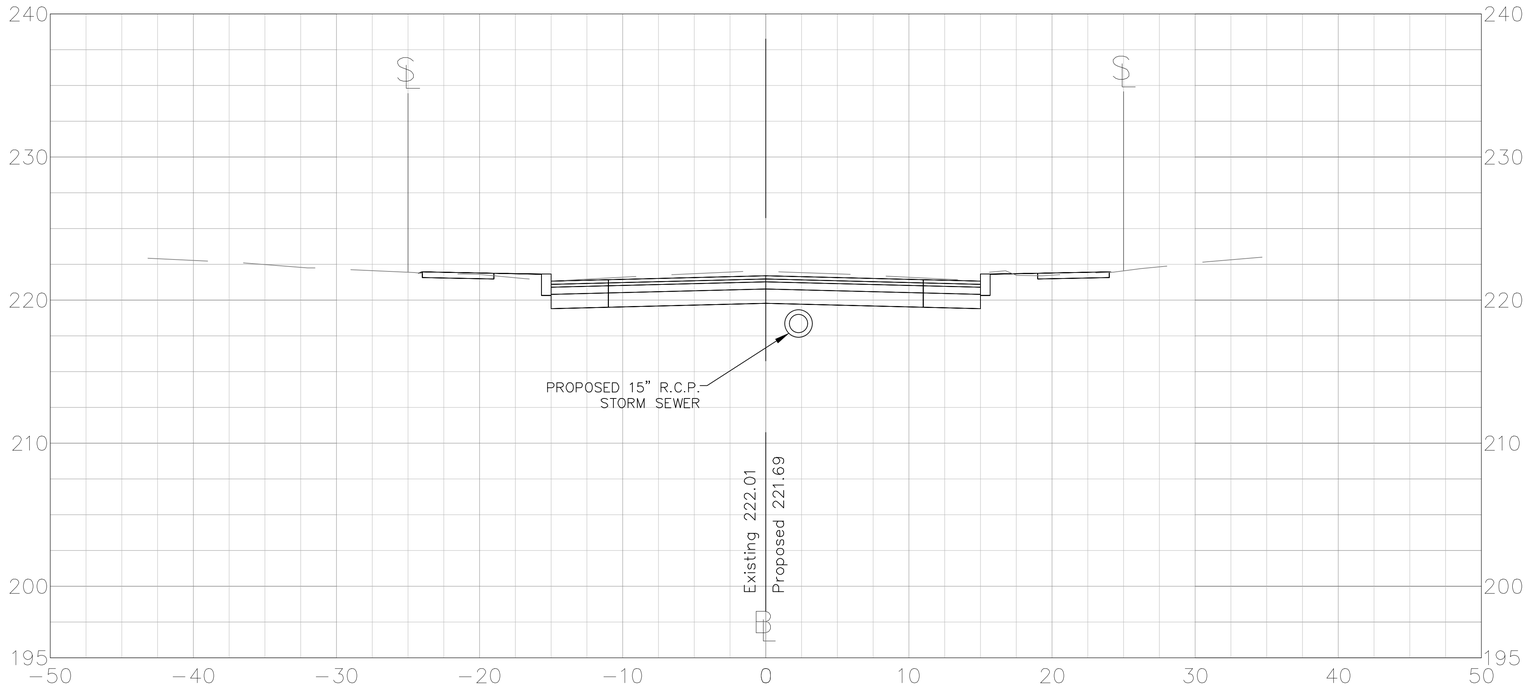
BY	APP'D	DESCRIPTION	DATE	REV.

SCALE: AS NOTED

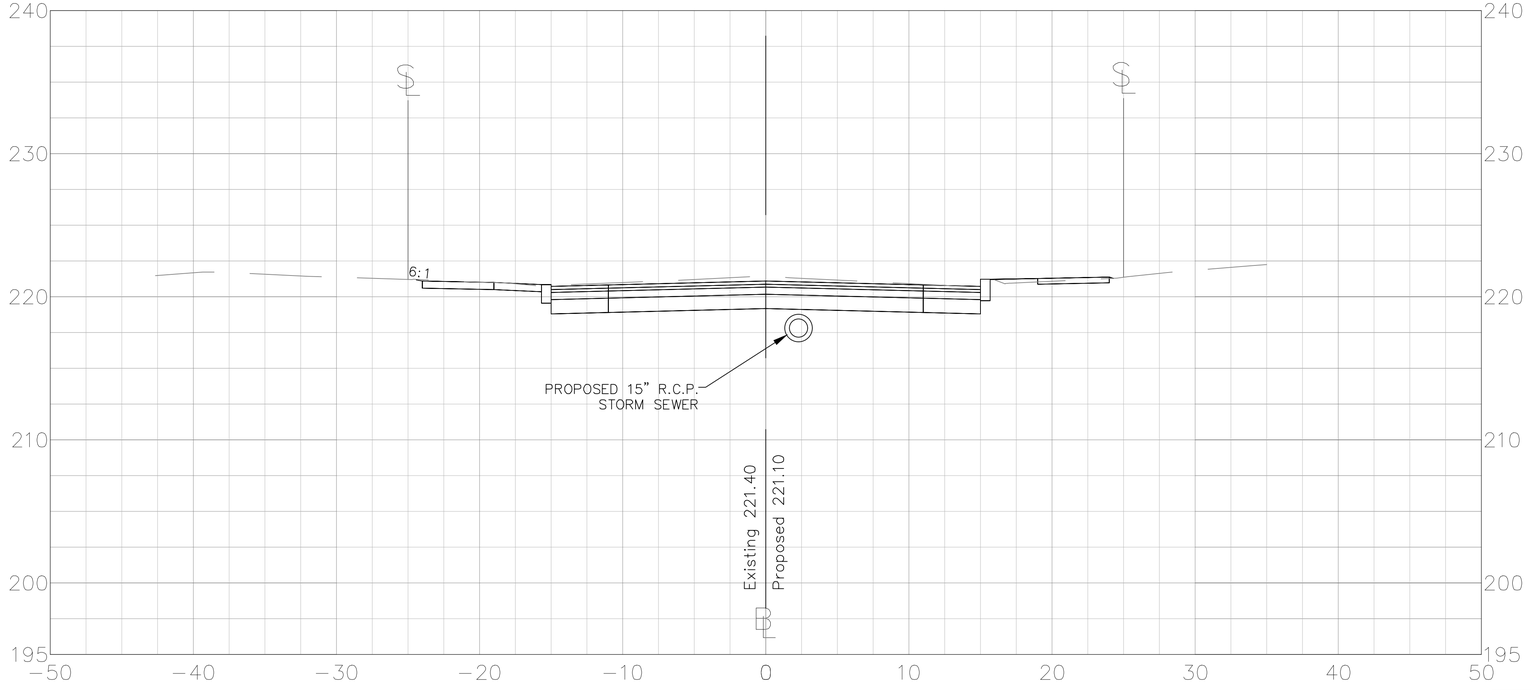
JOB NO. 88-185

SUBSET 14.19

19+50.00



19+35.35





CROSS SECTIONS

HART STREET

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27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

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CHECKED BY: R. TROTTIER
DATE: 8/4/16

HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

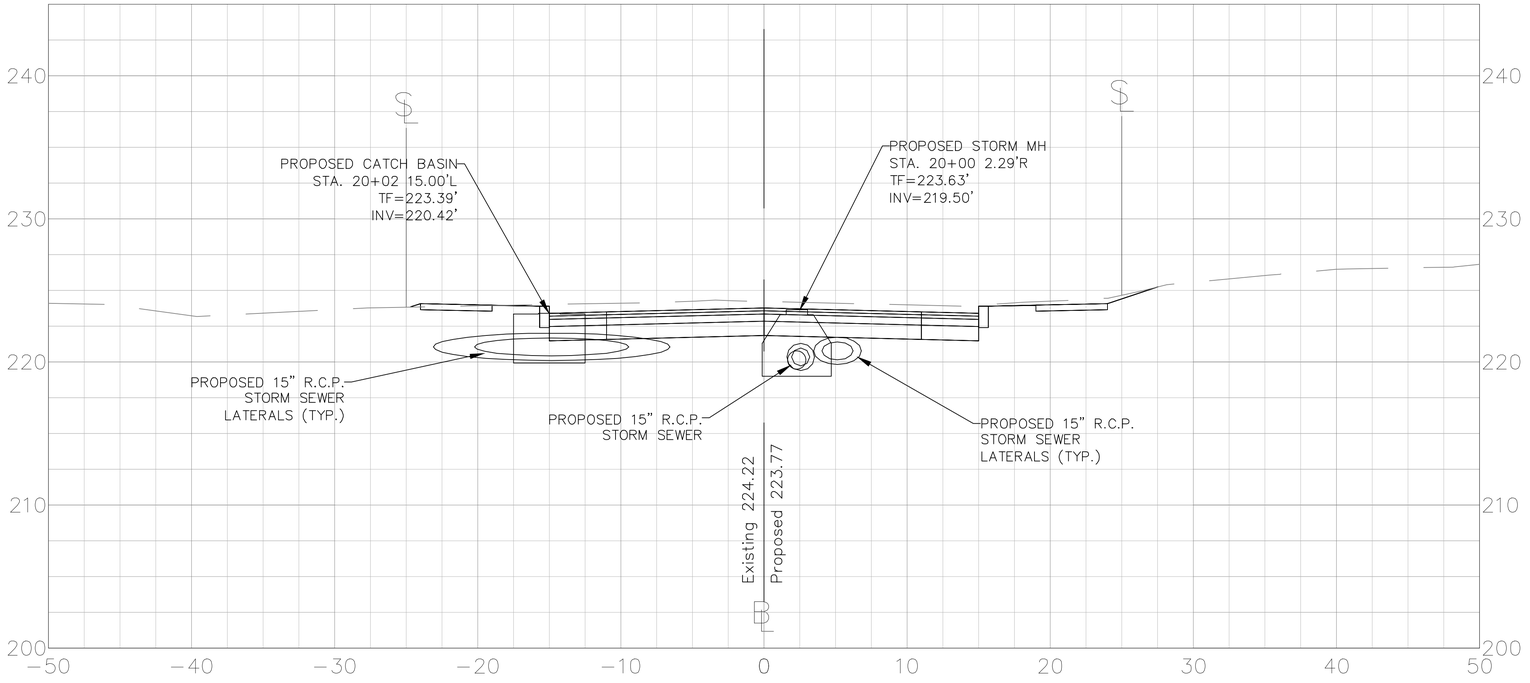
REV.	DATE	DESCRIPTION	BY	APP'D

SCALE: AS NOTED

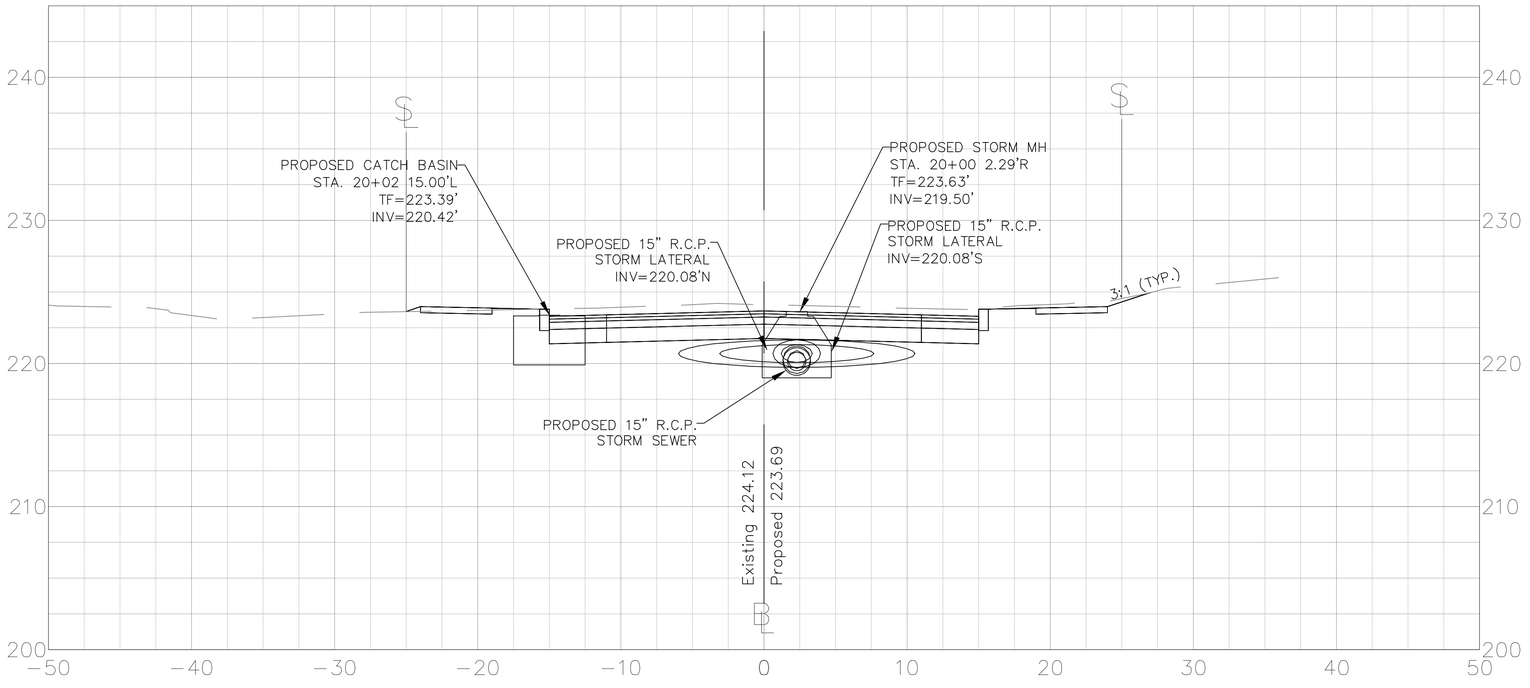
JOB NO. 88-185

SUBSET 14.20

20+02.00



20+00.00



5 2.5 0 5 10 15
SCALE IN FEET
(1" = 5')

CROSS SECTIONS

HART STREET

CITY OF NEW BRITAIN
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27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

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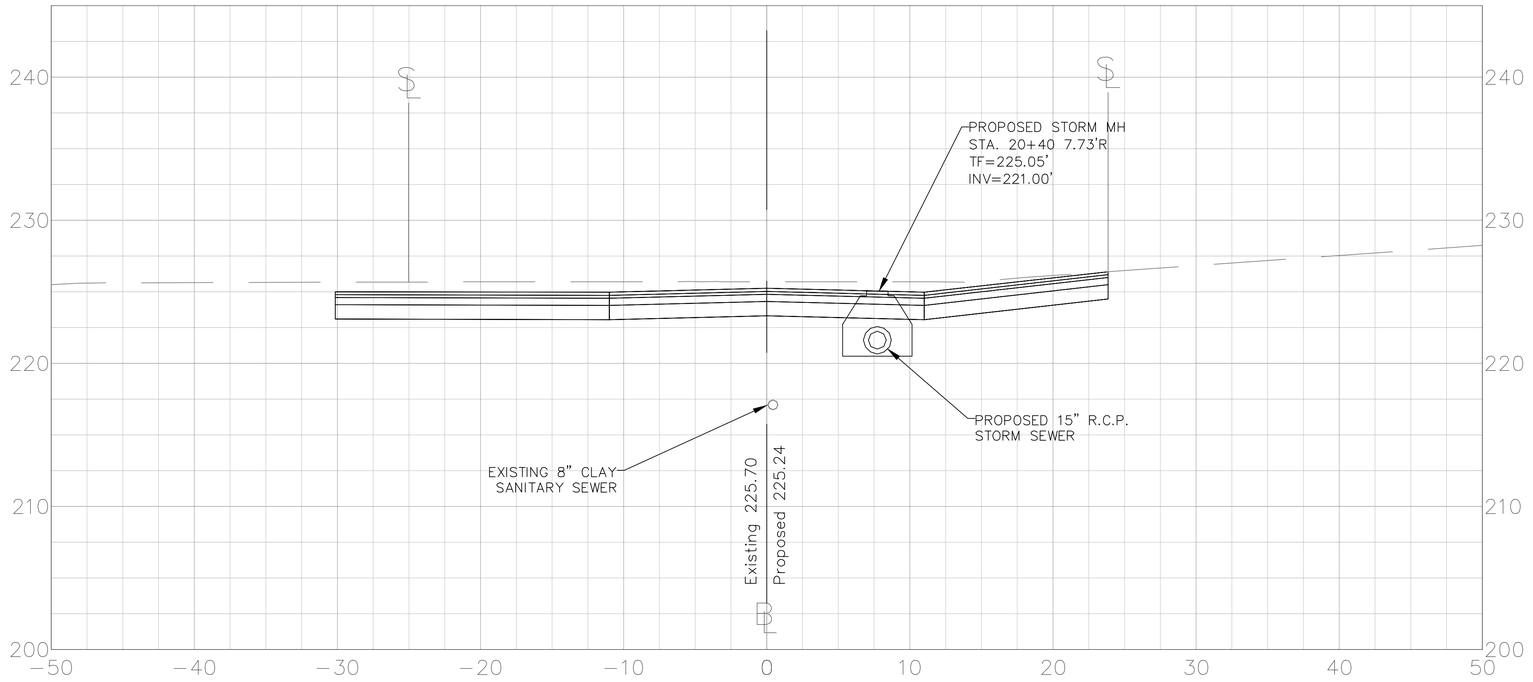
DATE: 8/4/16

HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

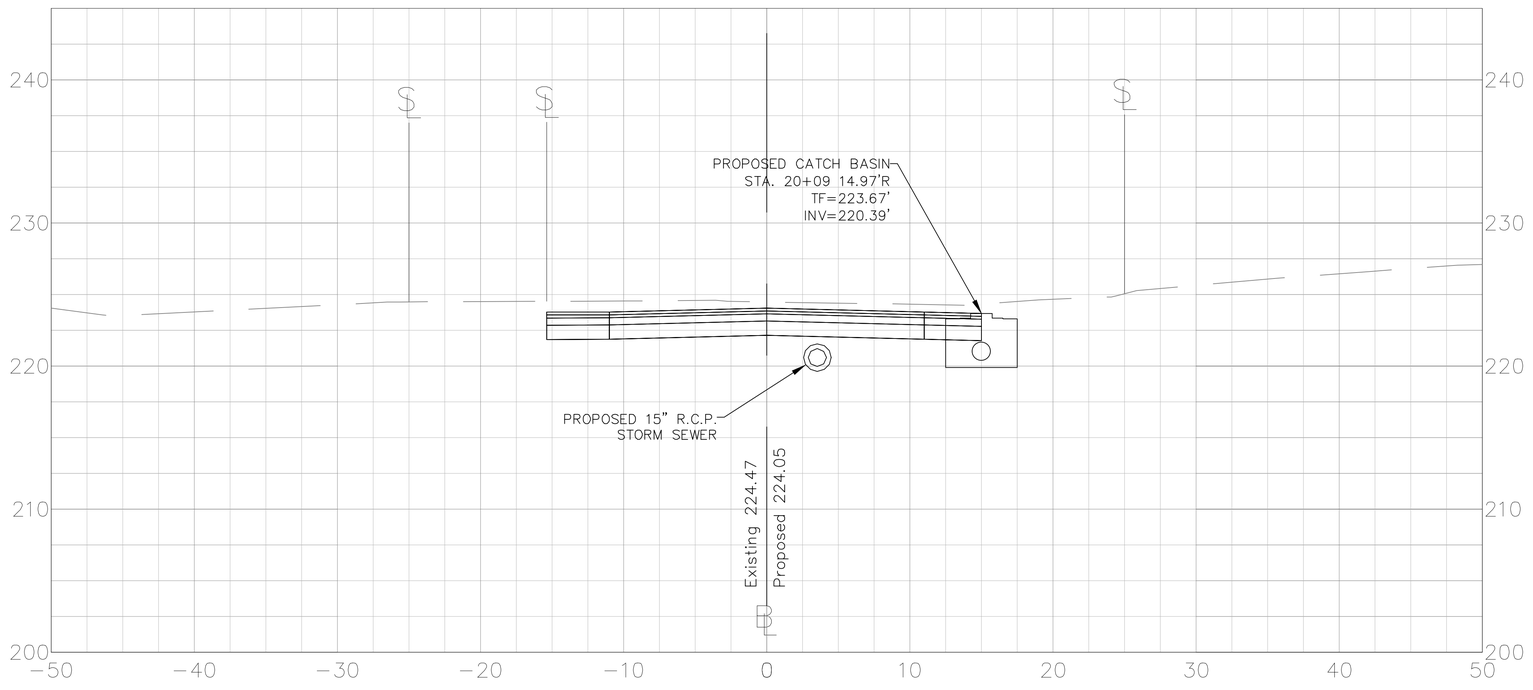
REV.	DATE	DESCRIPTION	BY	APP'D

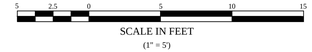
SCALE: AS NOTED
JOB NO. 88-185
SUBSET 14.21

20+39.61



20+09.00





CROSS SECTIONS

HART STREET

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
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CHECKED BY: R. TROTTIER
DATE: 8/4/16

HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

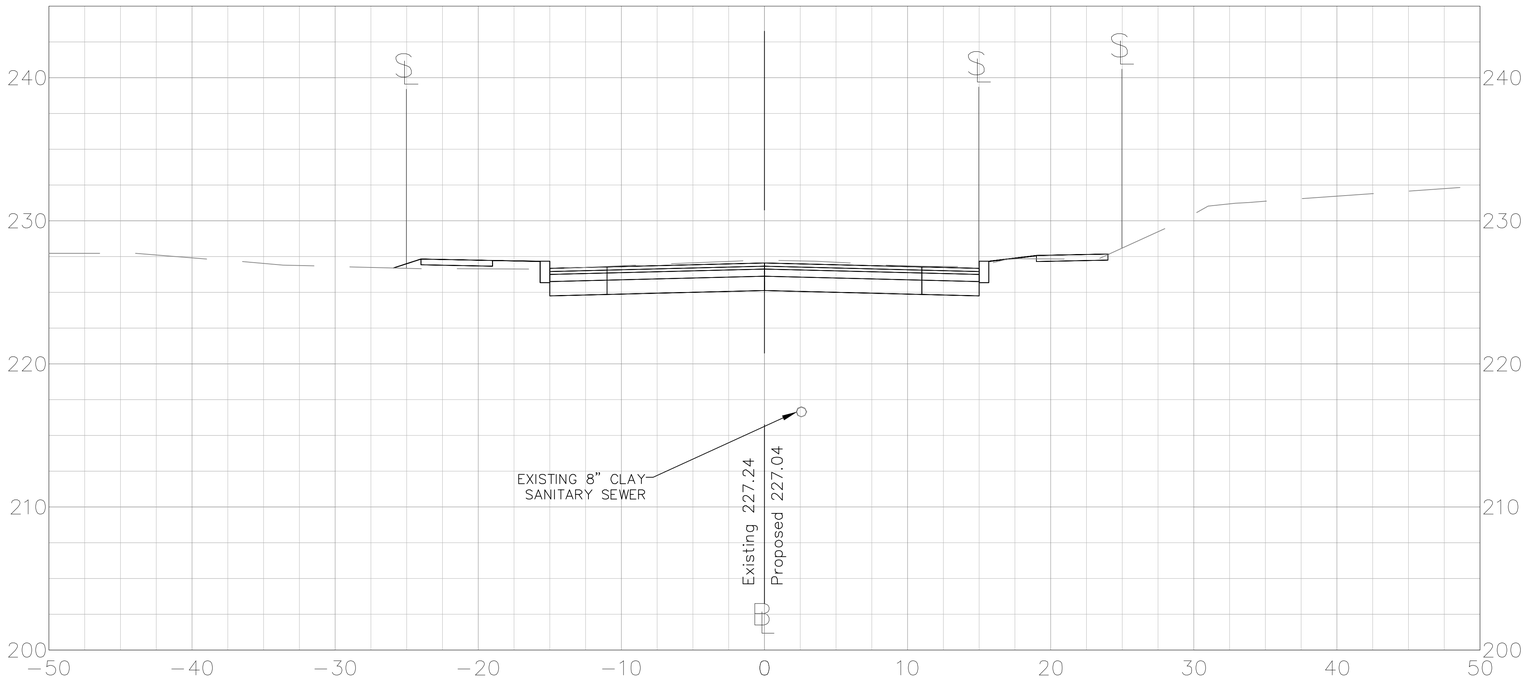
REV.	DATE	DESCRIPTION	BY	APP'D

SCALE: AS NOTED

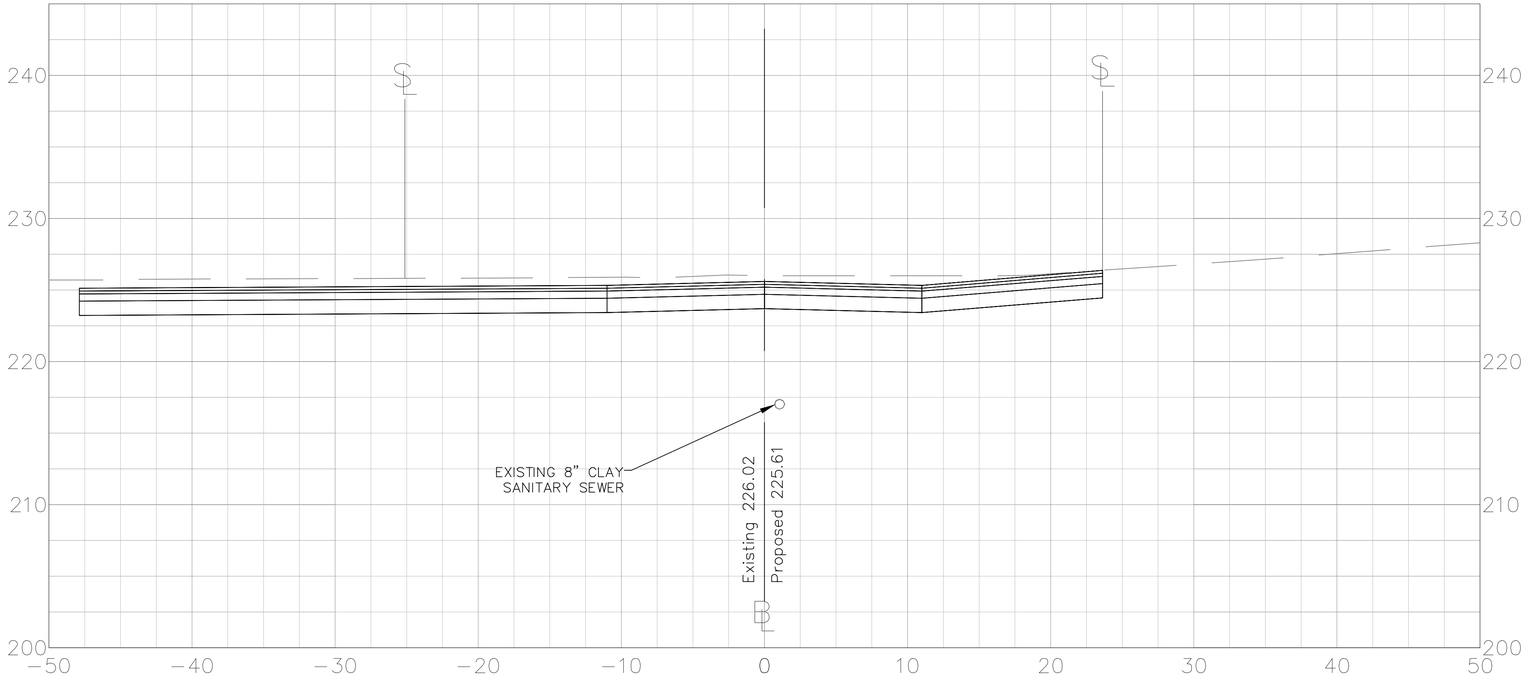
JOB NO. 88-185

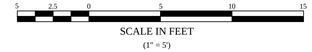
SUBSET 14.22

21+00.00



20+50.00





CROSS SECTIONS

HART STREET

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27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
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HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

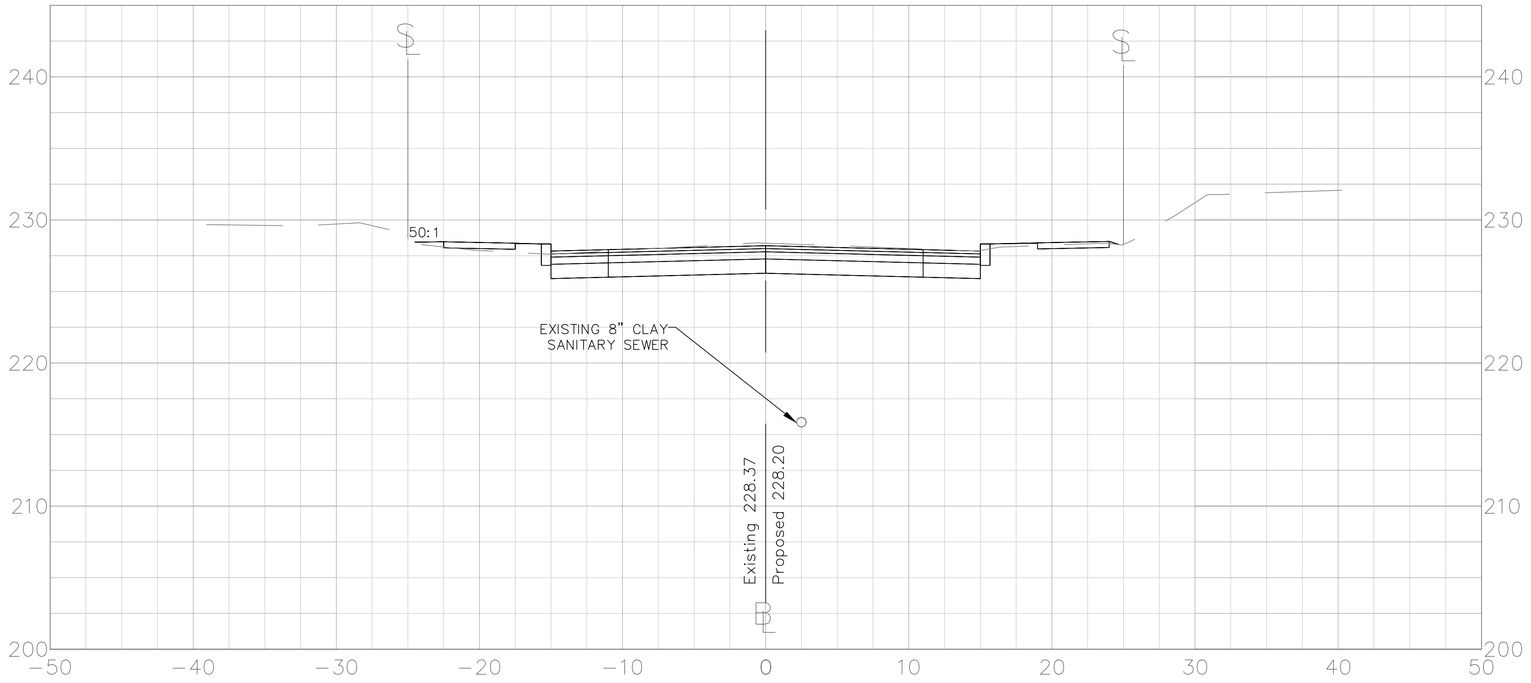
REV.	DATE	DESCRIPTION	BY	APP'D

SCALE: AS NOTED

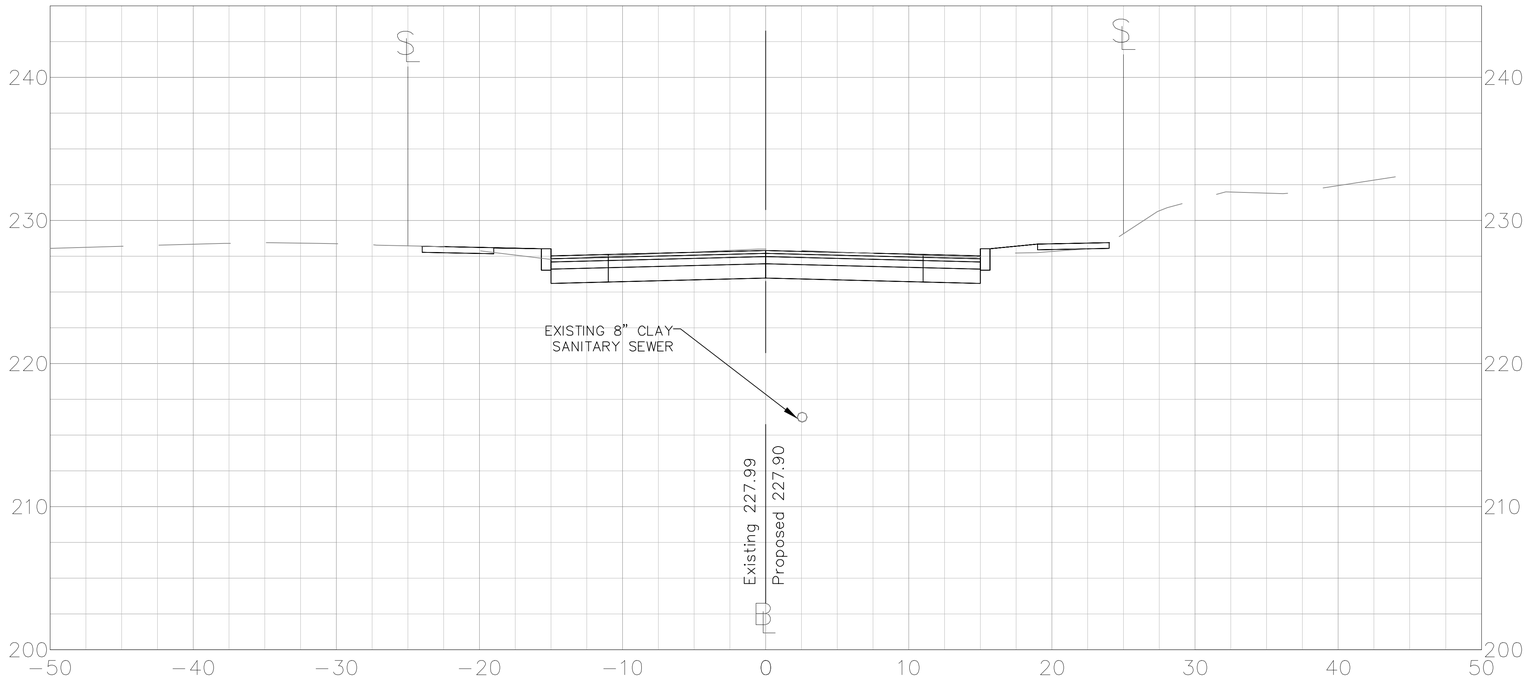
JOB NO. 88-185

SUBSET 14.23

22+00.00



21+50.00



SCALE IN FEET
(1" = 5')

CROSS SECTIONS

HART STREET

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

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HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

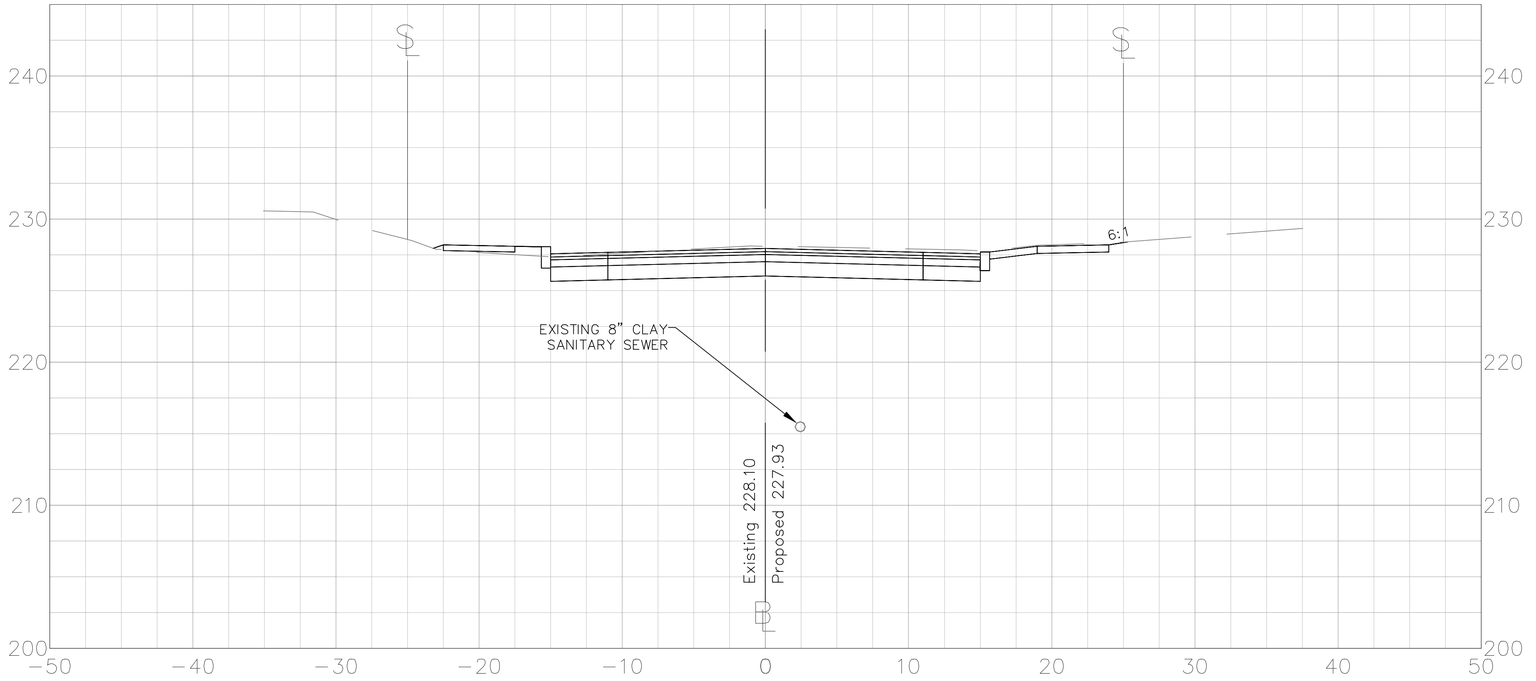
REV.	DATE	DESCRIPTION	BY	APP'D

SCALE: AS NOTED

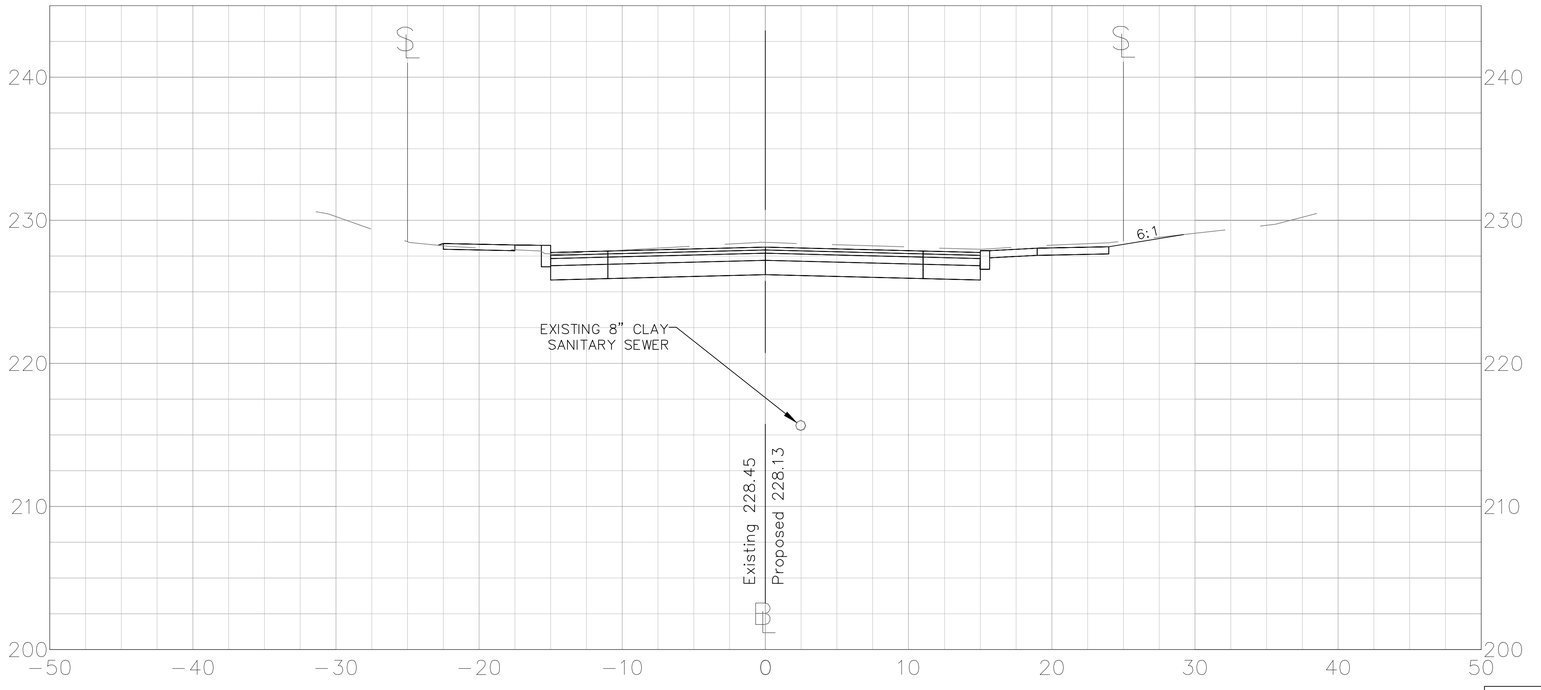
JOB NO. 88-185

SUBSET 14.24

22+50.00



22+26.20





CROSS SECTIONS

HART STREET

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27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
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CHECKED BY: R. TROTTIER
DATE: 8/4/16

HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

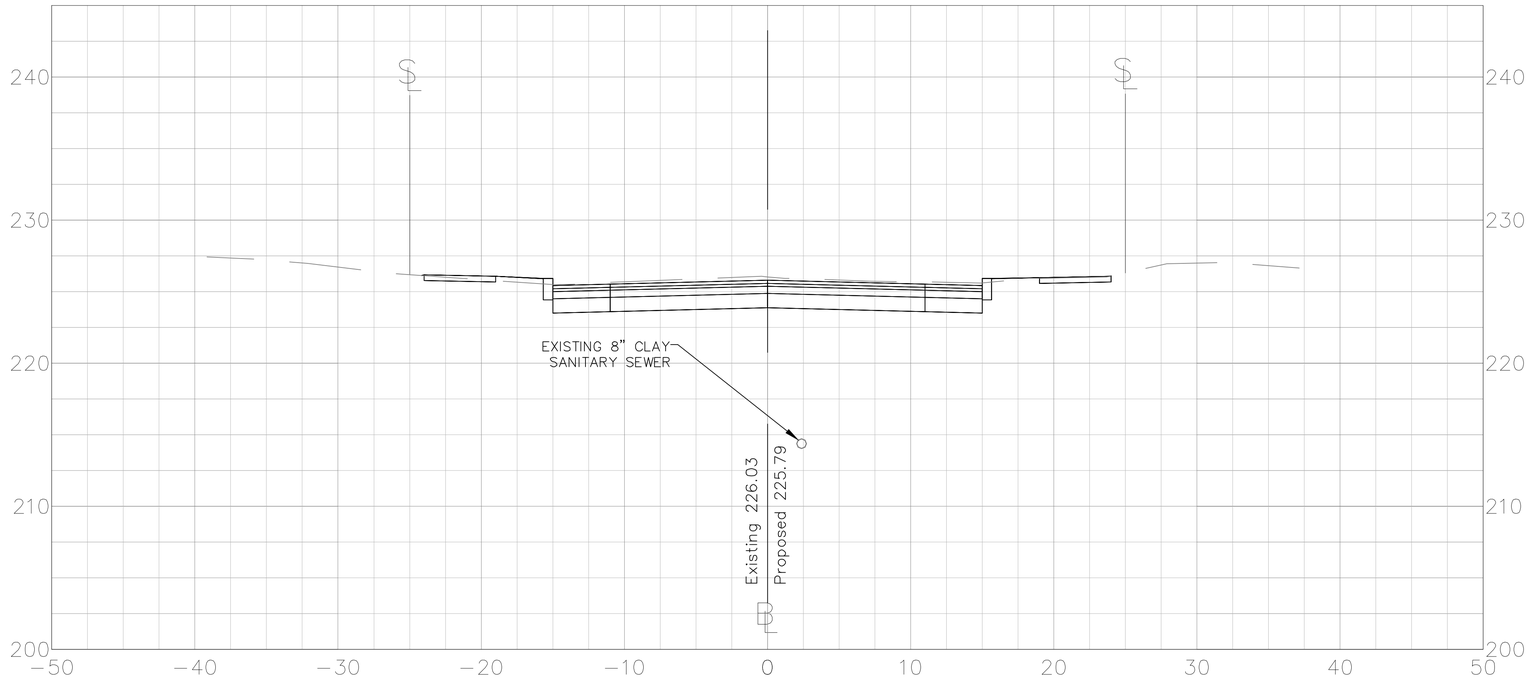
REV.	DATE	DESCRIPTION	BY	APP'D

SCALE: AS NOTED

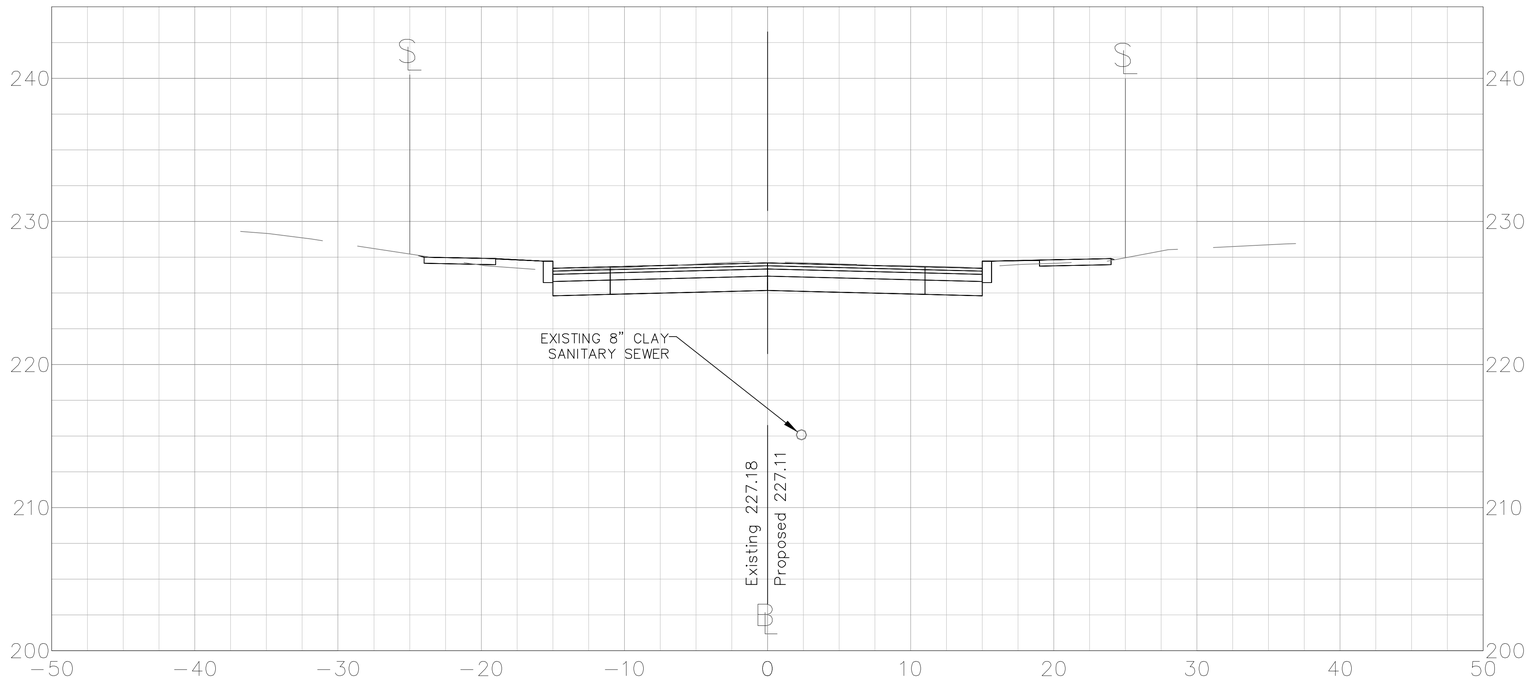
JOB NO. 88-185

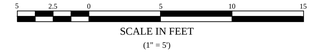
SUBSET 14.25

23+50.00



23+00.00





CROSS SECTIONS

HART STREET

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27 WEST MAIN STREET
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HART STREET
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NEW BRITAIN, CONNECTICUT

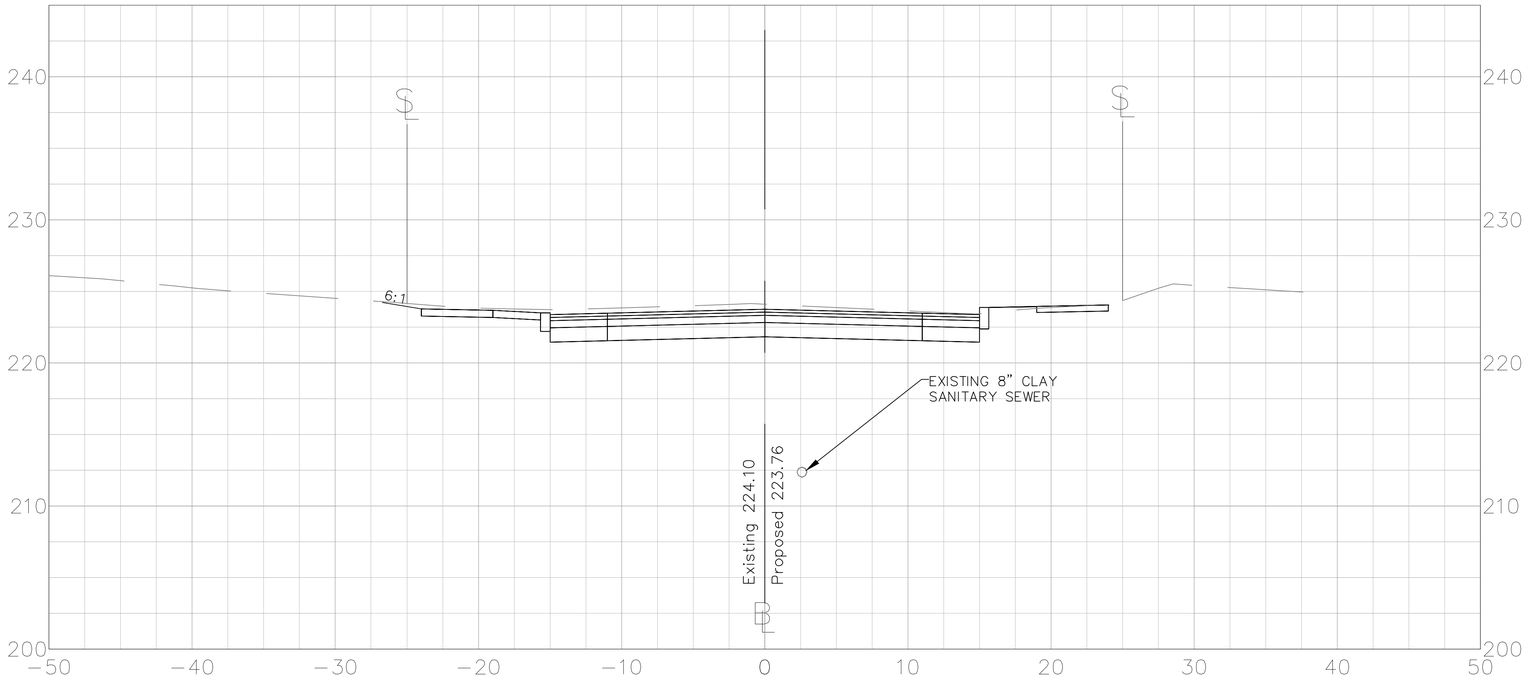
REV.	DATE	DESCRIPTION	BY	APP'D

SCALE: AS NOTED

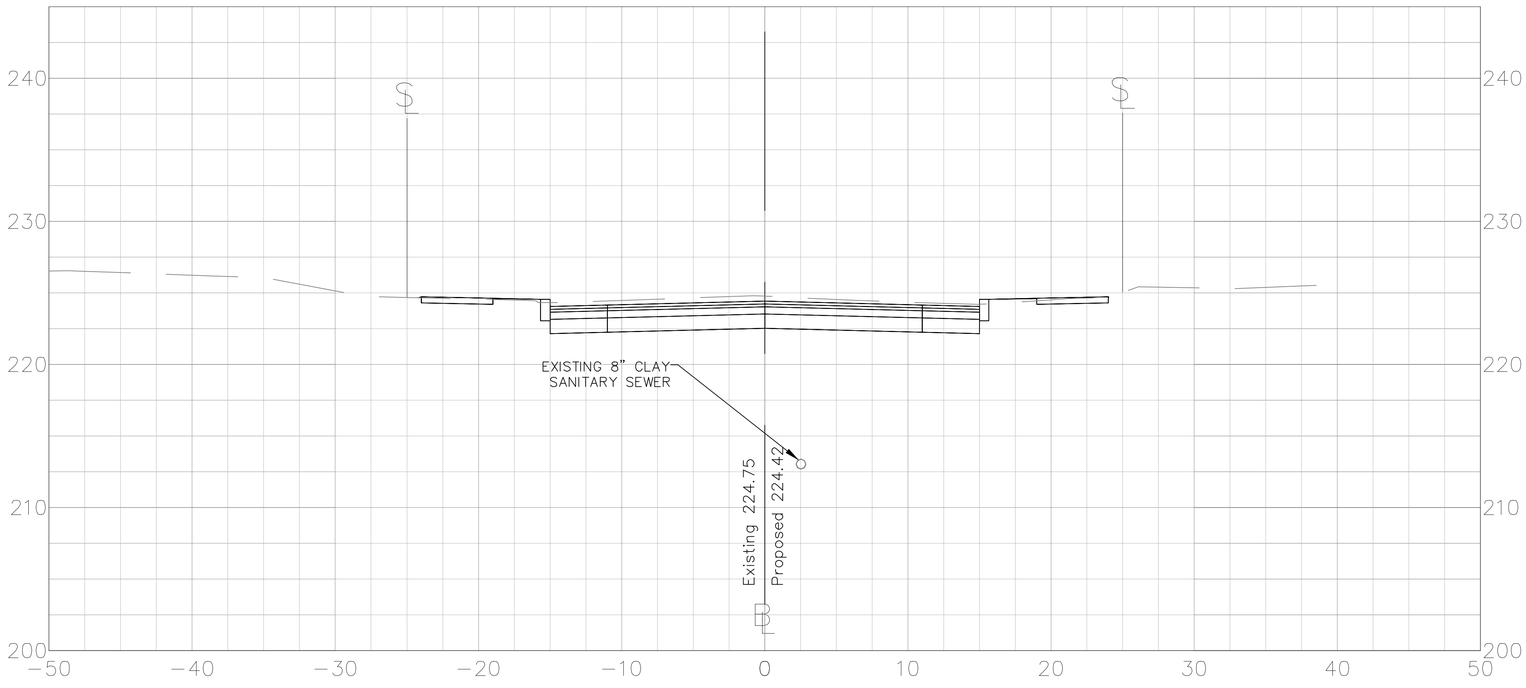
JOB NO. 88-185

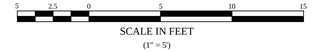
SUBSET 14.26

24+24.00



24+00.00





CROSS SECTIONS

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27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

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HART STREET
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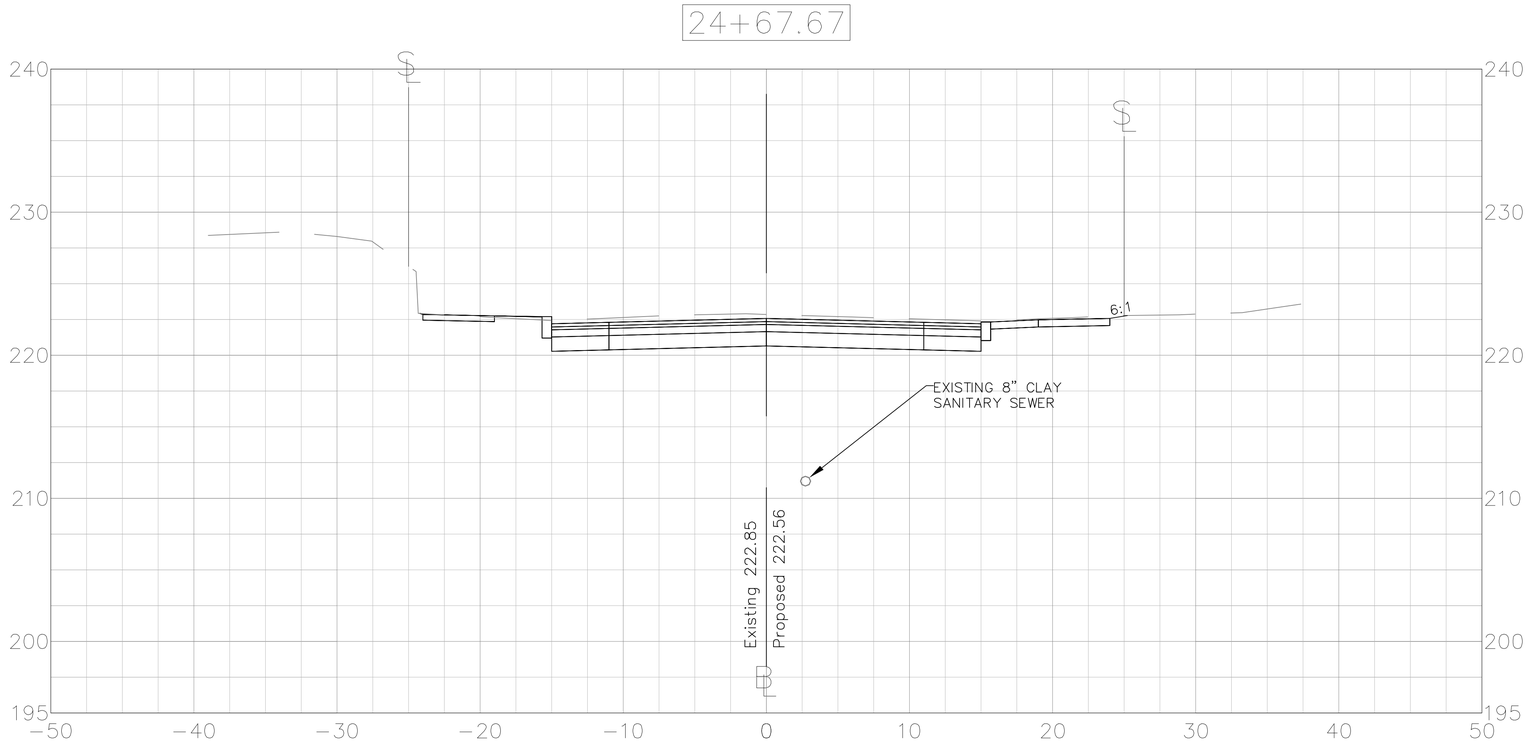
NEW BRITAIN, CONNECTICUT

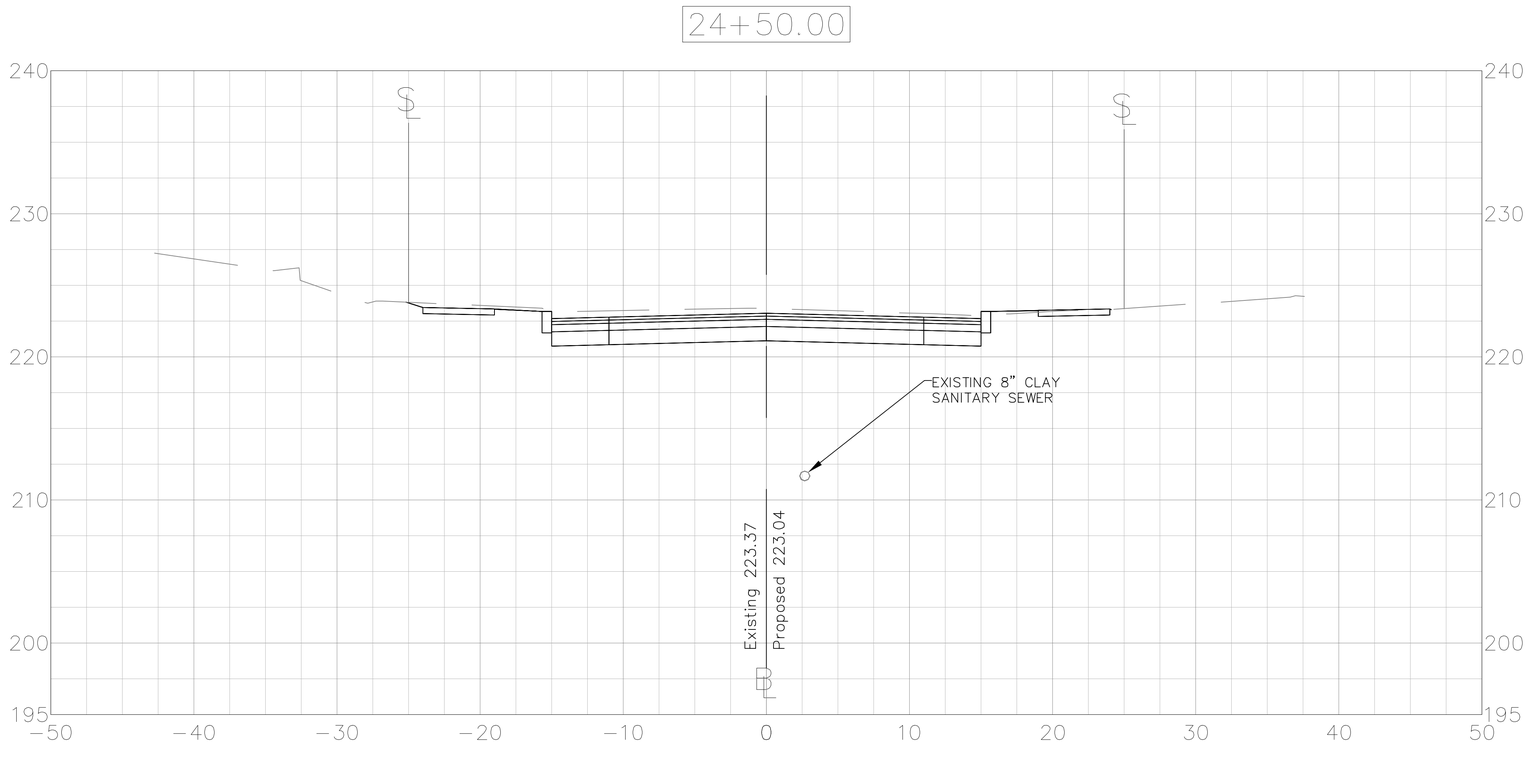
REV.	DATE	DESCRIPTION	BY	APP'D

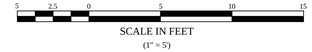
SCALE: AS NOTED

JOB NO. 88-185

SUBSET 14.27







CROSS SECTIONS

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HART STREET
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NEW BRITAIN, CONNECTICUT

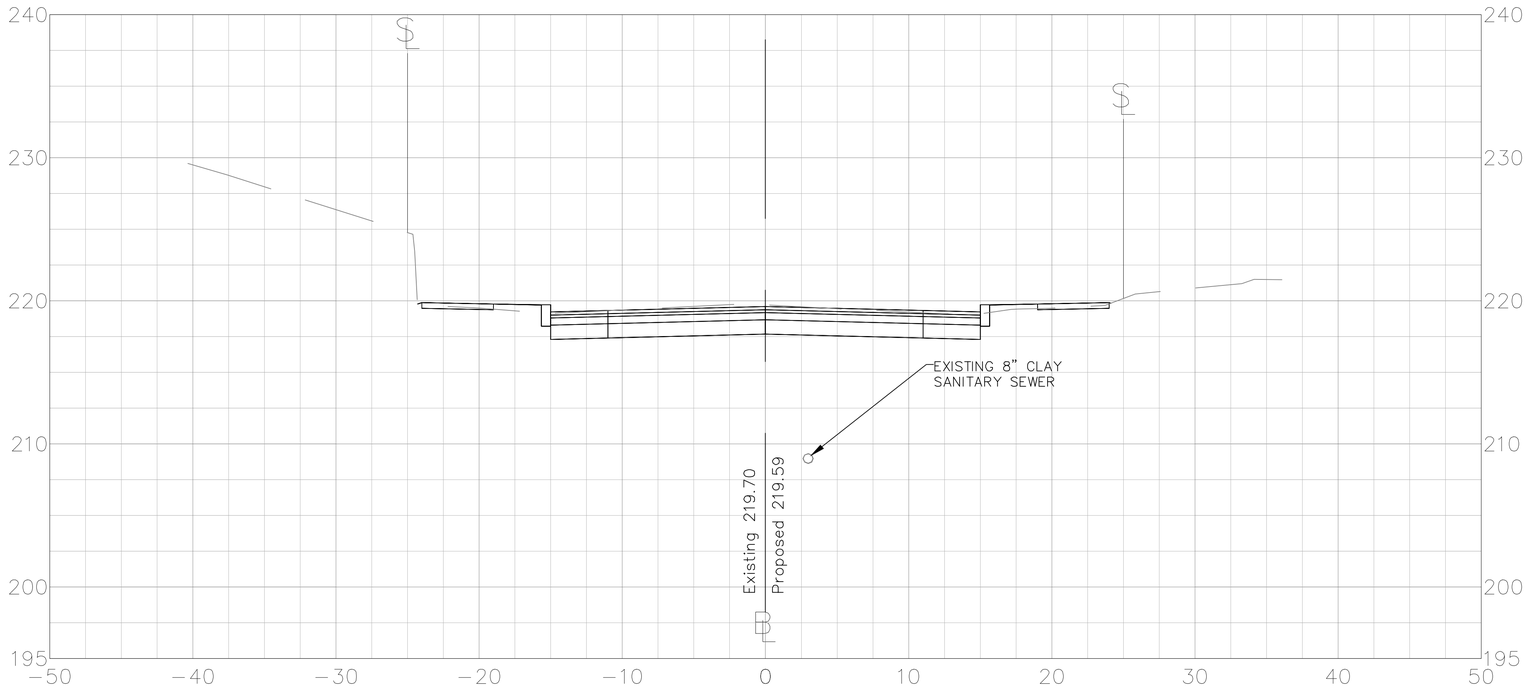
REV.	DATE	DESCRIPTION	BY	APP'D

SCALE: AS NOTED

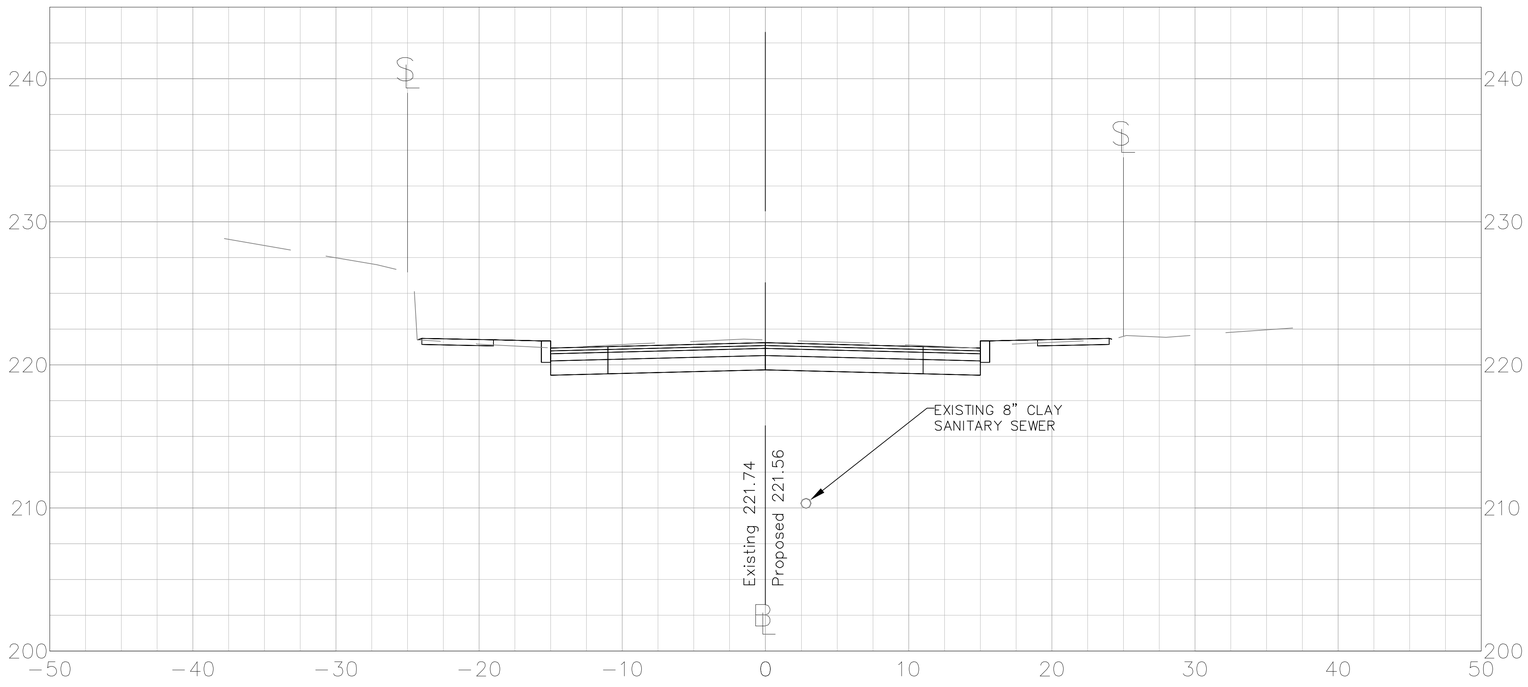
JOB NO. 88-185

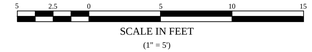
SUBSET 14.28

25+50.00



25+00.00





CROSS SECTIONS

HART STREET

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
DRAWN BY: C. POLKOWSKI
CHECKED BY: R. TROTTIER
DATE: 8/4/16

HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

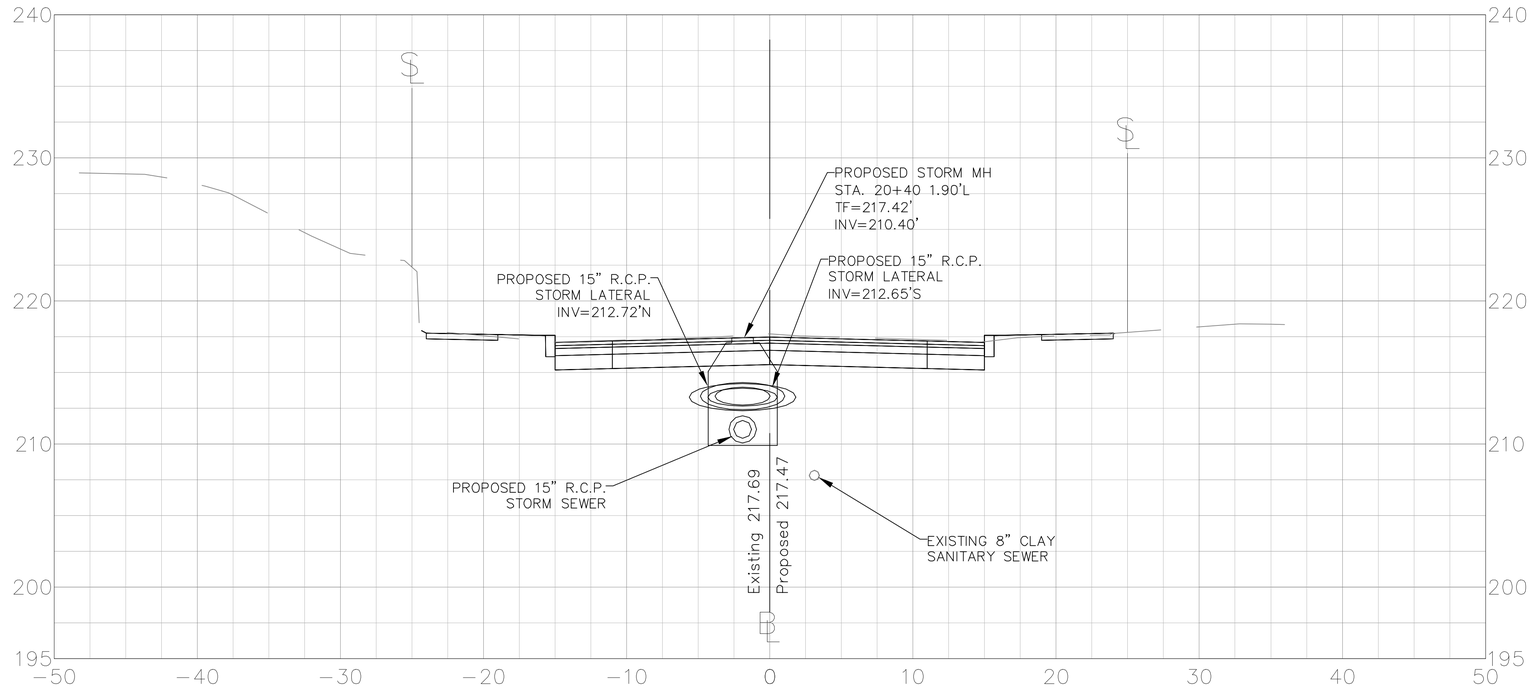
REV.	DATE	DESCRIPTION	BY	APP'D

SCALE: AS NOTED

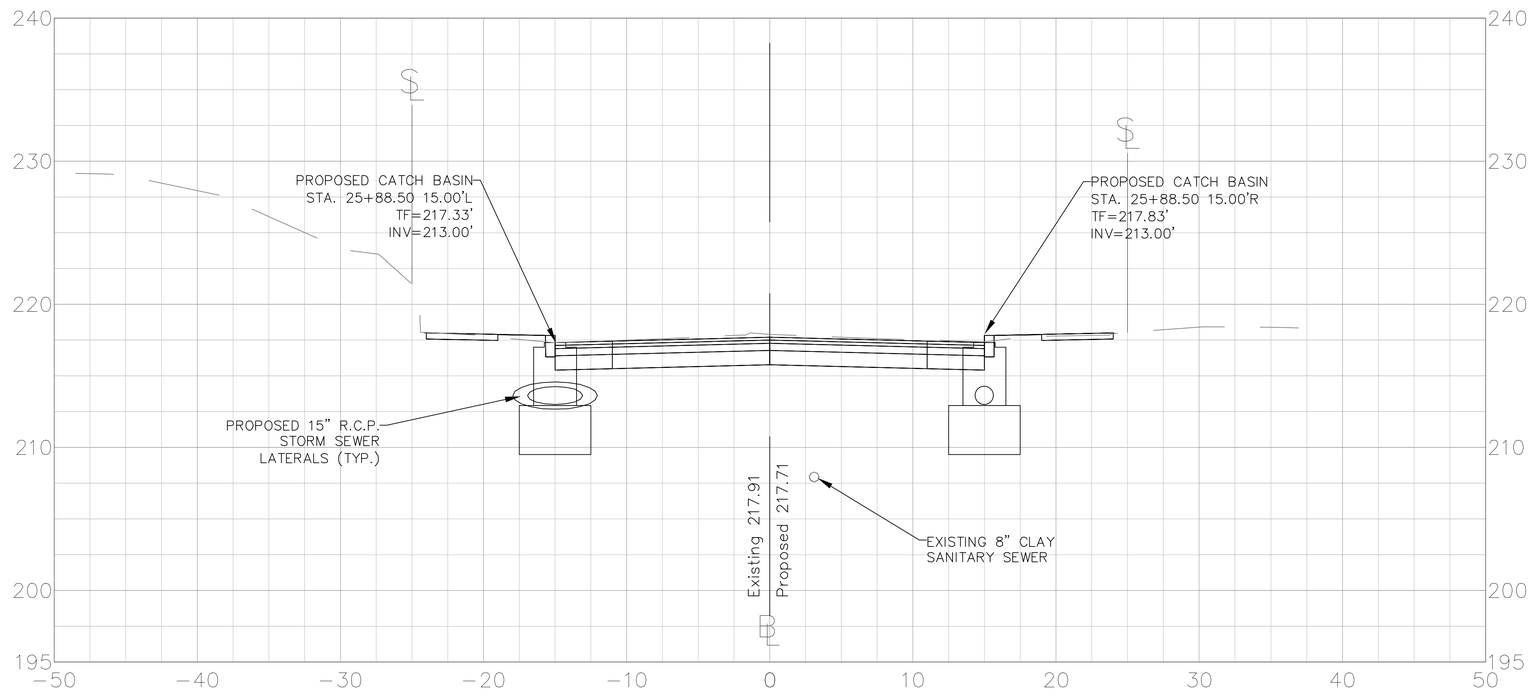
JOB NO. 88-185

SUBSET 14.29

25+93.03



25+88.53



5 2.5 0 5 10 15
SCALE IN FEET
(1" = 5')

CROSS SECTIONS

HART STREET

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
DRAWN BY: C. POLKOWSKI
CHECKED BY: R. TROTTIER
DATE: 8/4/16

HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

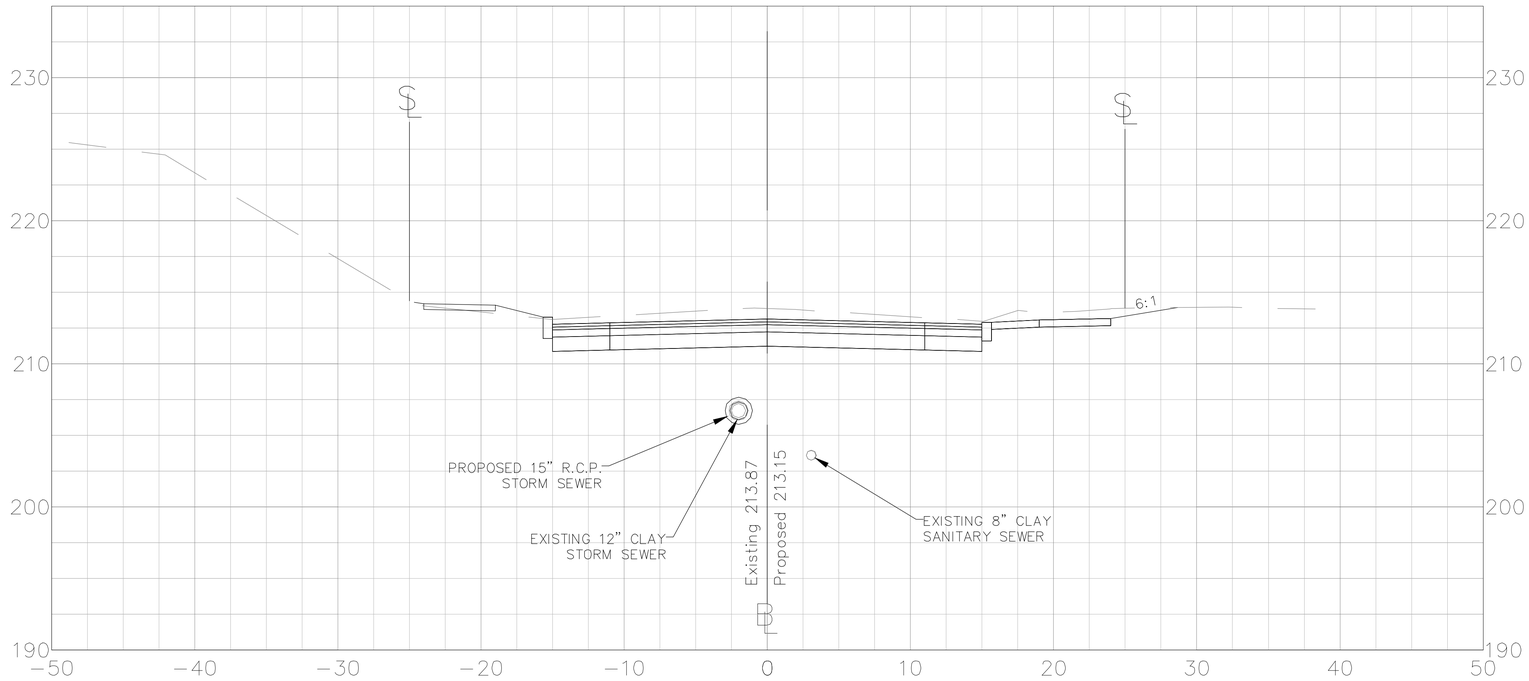
REV.	DATE	DESCRIPTION	BY	APP'D

SCALE: AS NOTED

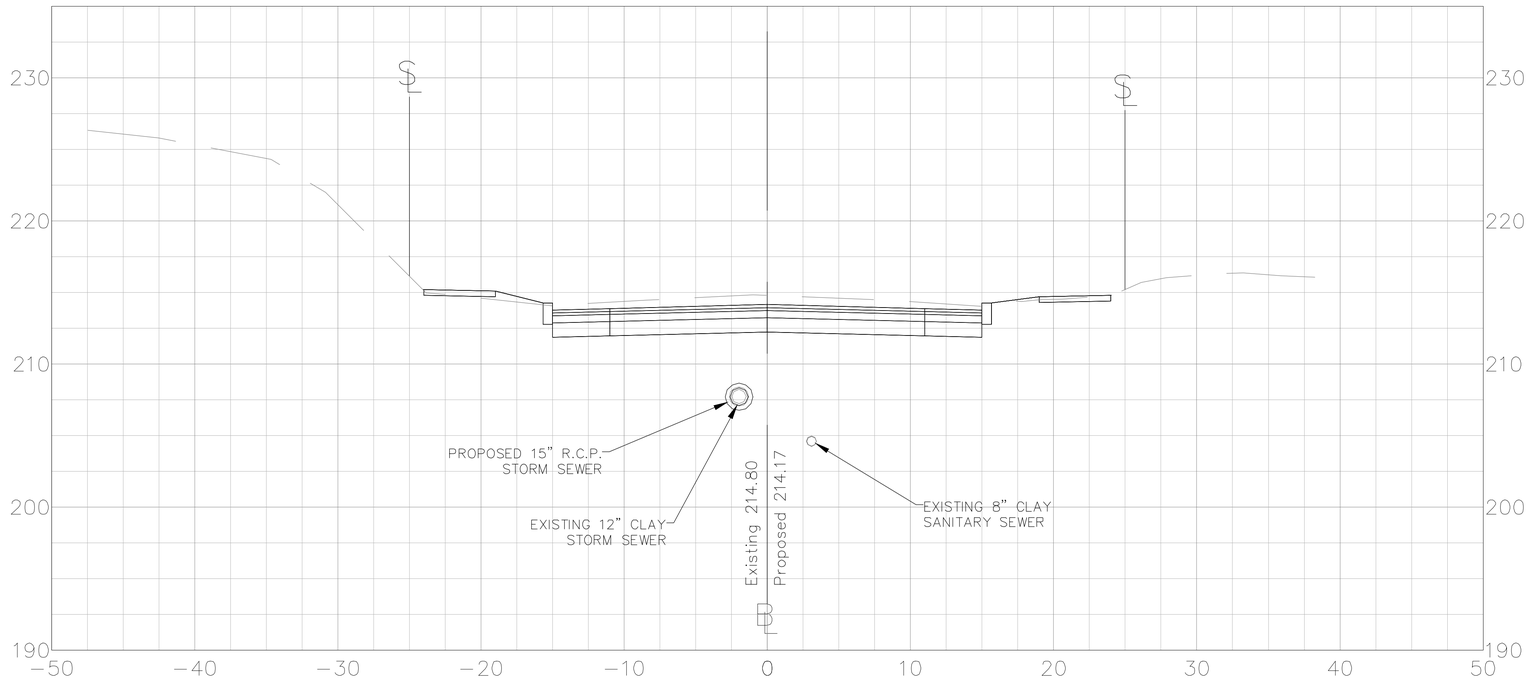
JOB NO. 88-185

SUBSET 14.30

26+67.33



26+50.00





CROSS SECTIONS

HART STREET

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
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CHECKED BY: R. TROTTIER
DATE: 8/4/16

HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

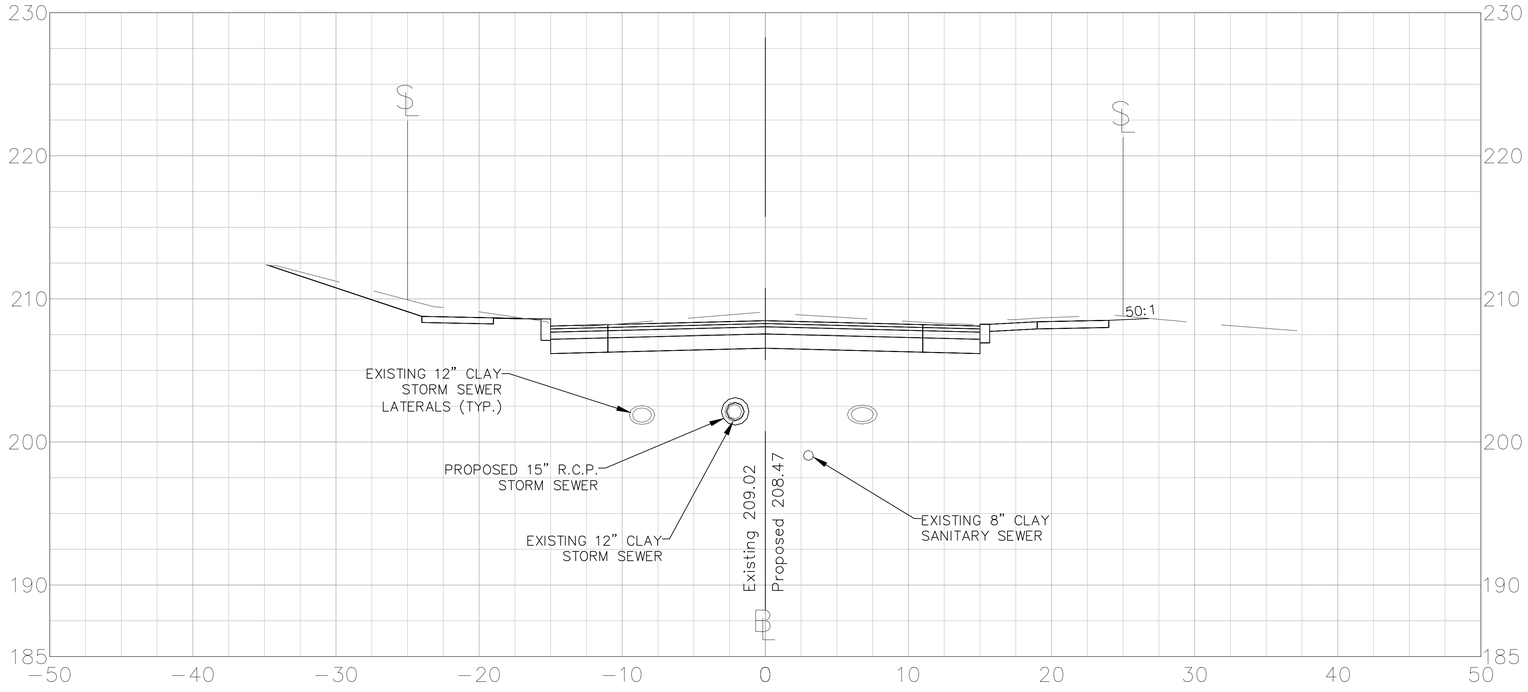
REV.	DATE	DESCRIPTION	BY	APP'D

SCALE: AS NOTED

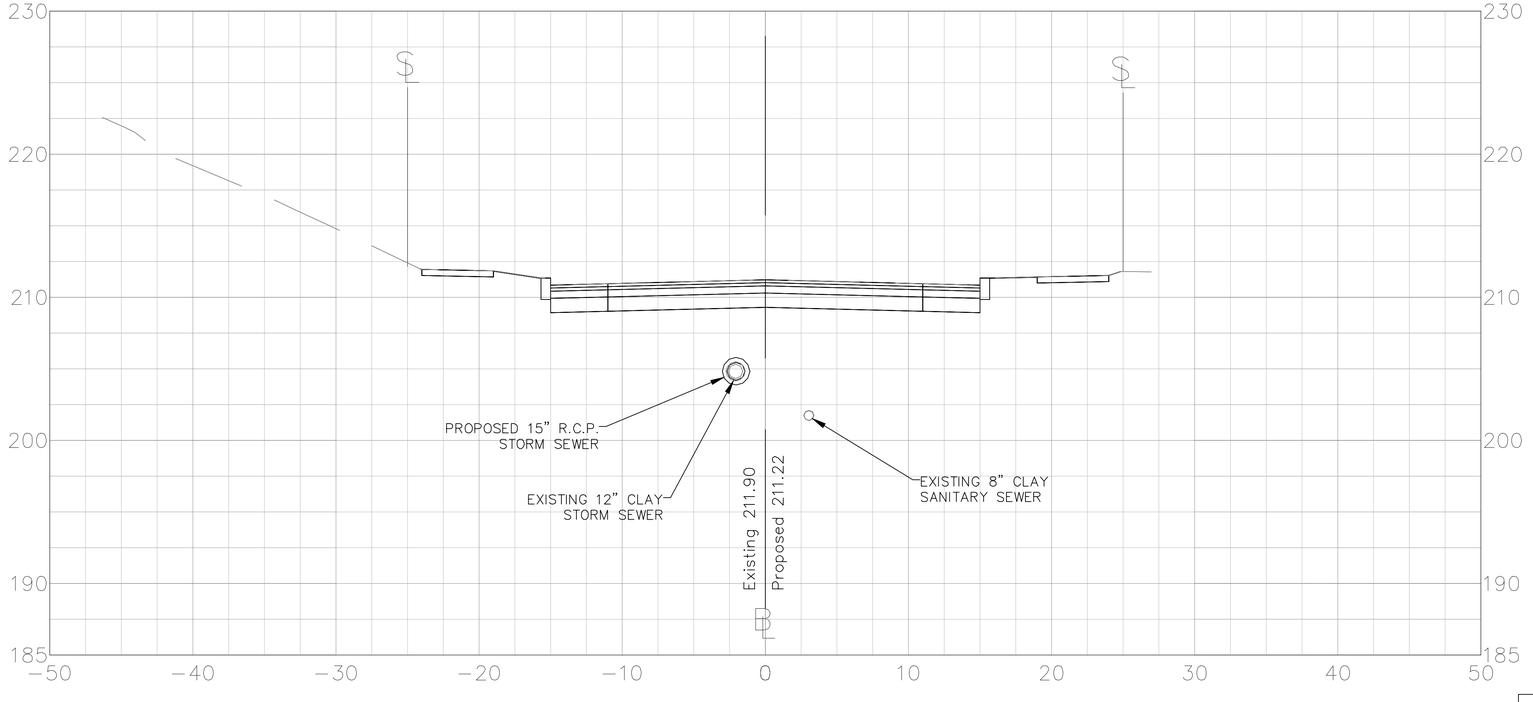
JOB NO. 88-185

SUBSET 14.31

27+46.54



27+00.00



5 2.5 0 5 10 15
SCALE IN FEET
(1" = 5')

CROSS SECTIONS

HART STREET

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
DRAWN BY: C. POLKOWSKI
CHECKED BY: R. TROTTIER
DATE: 8/4/16

HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

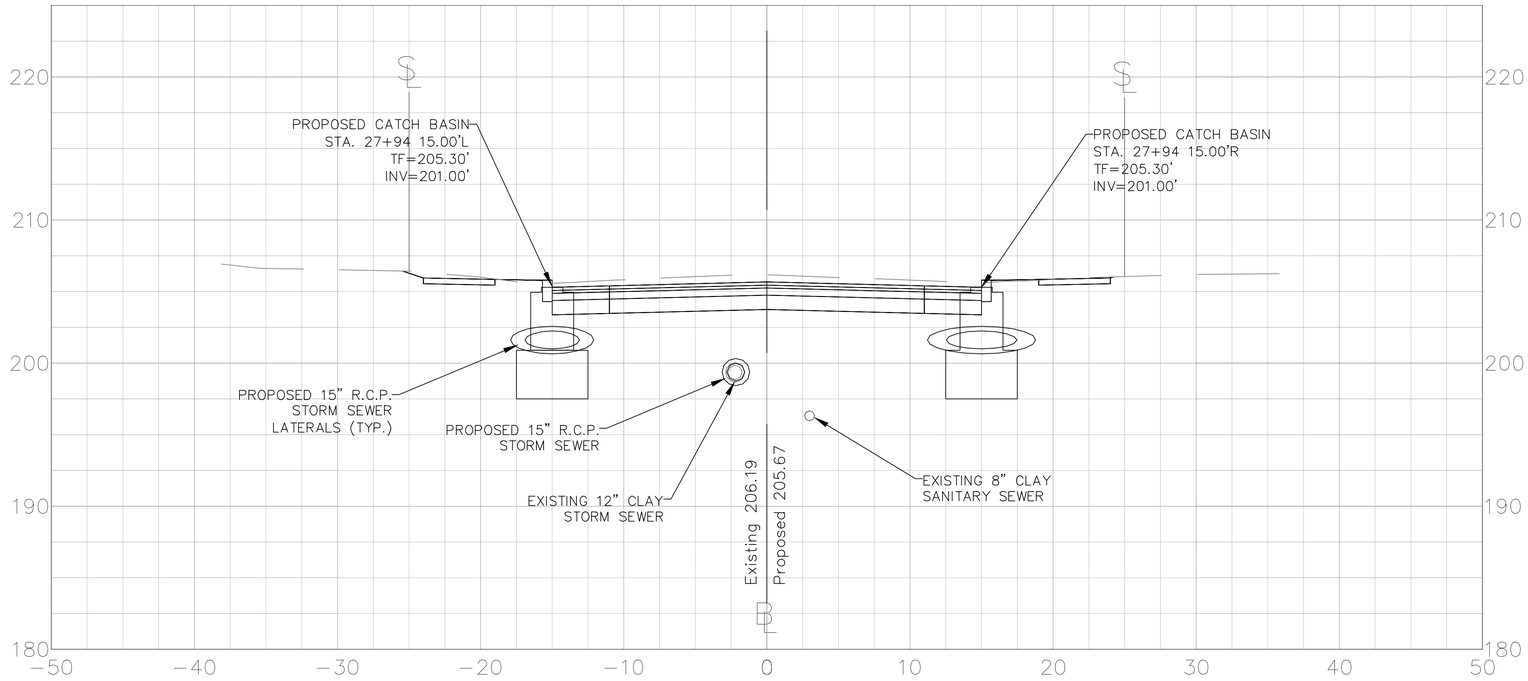
REV.	DATE	DESCRIPTION	BY	APP'D

SCALE: AS NOTED

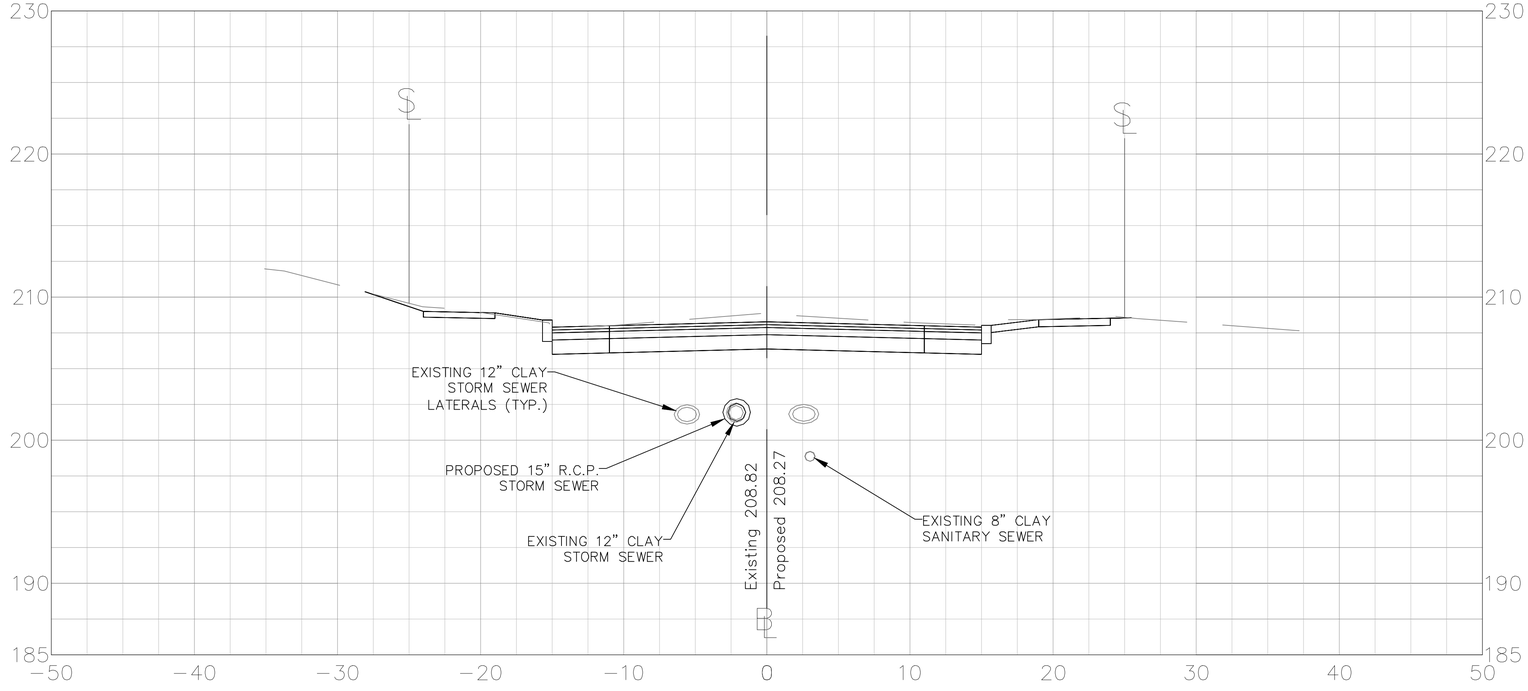
JOB NO. 88-185

SUBSET 14.32

27+94.03



27+50.00



SCALE IN FEET
(1" = 5')

CROSS SECTIONS

HART STREET

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
DRAWN BY: C. POLKOWSKI
CHECKED BY: R. TROTTIER
DATE: 8/4/16

HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

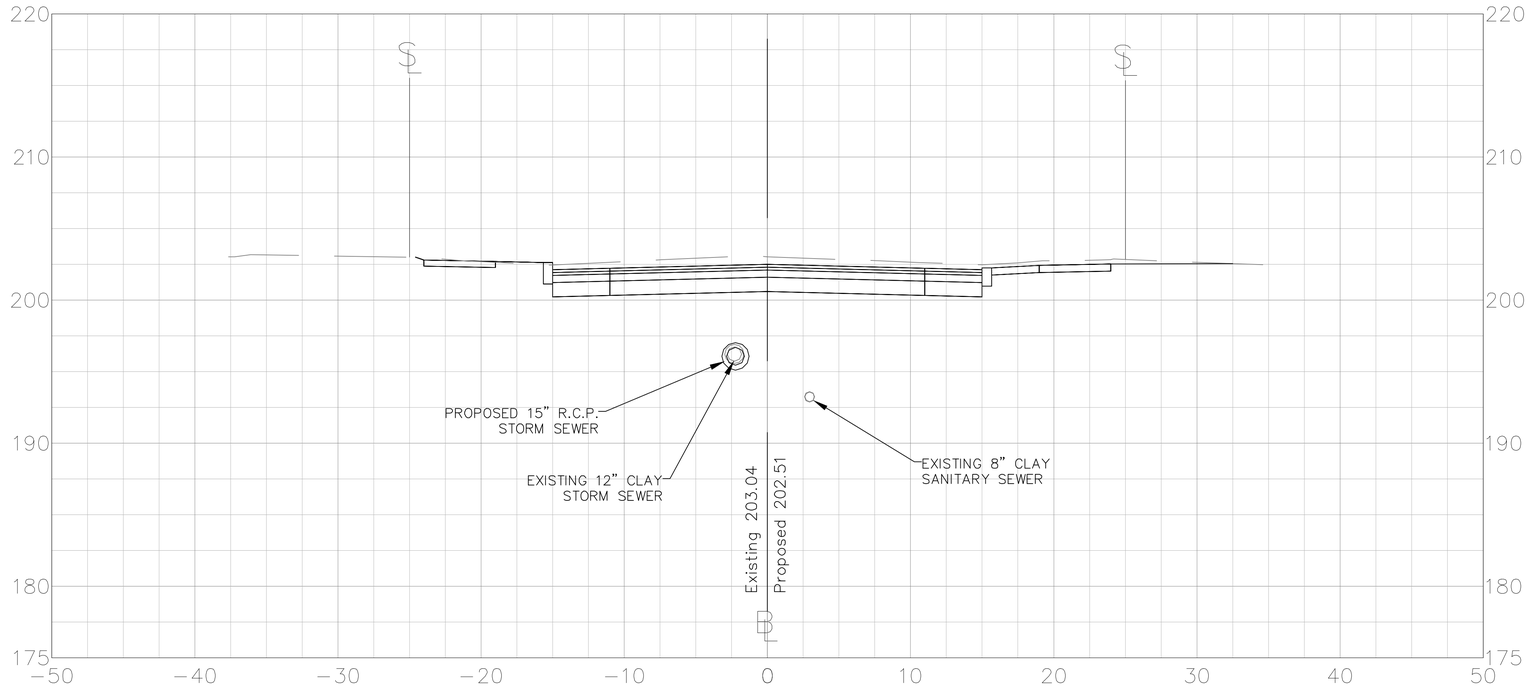
REV.	DATE	DESCRIPTION	BY	APP'D

SCALE: AS NOTED

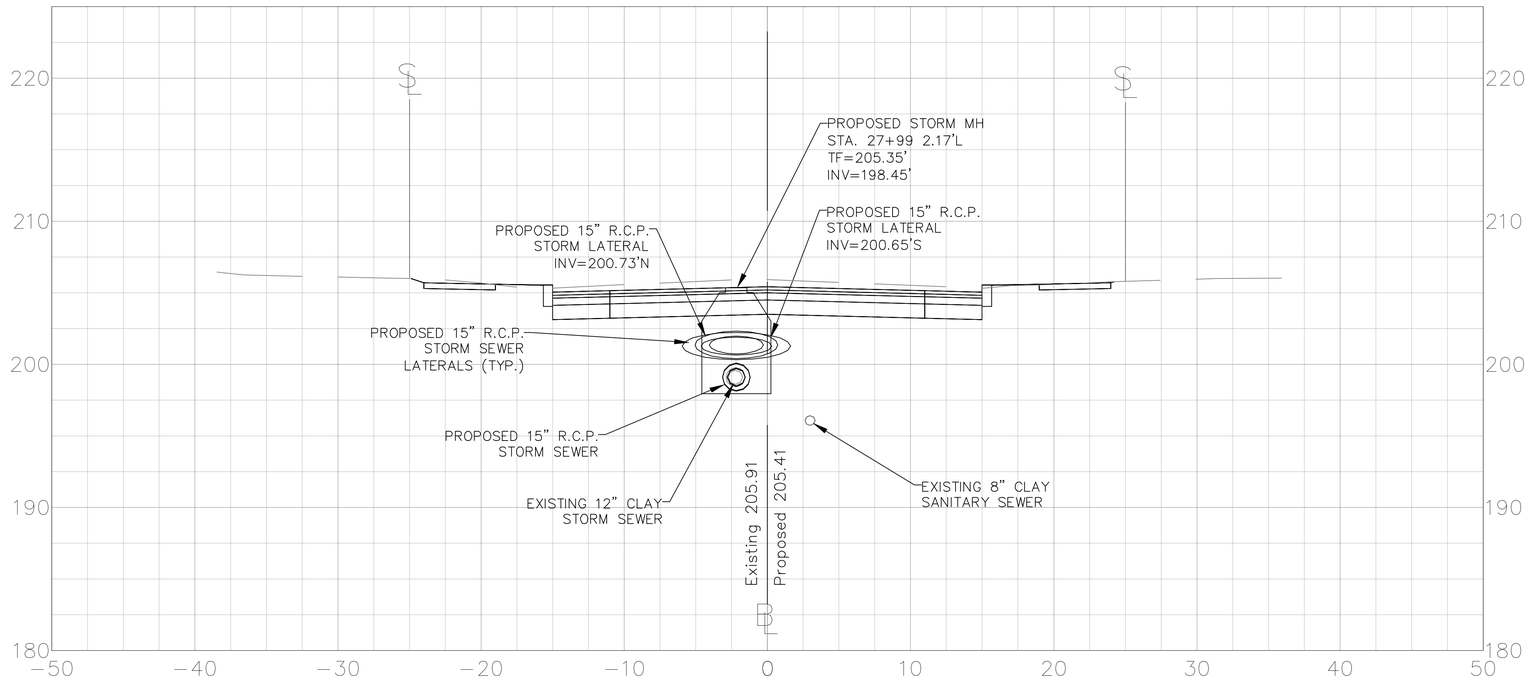
JOB NO. 88-185

SUBSET 14.33

28+47.55



27+98.53



5 2.5 0 5 10 15
SCALE IN FEET
(1" = 5')

CROSS SECTIONS

HART STREET

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
DRAWN BY: C. POLKOWSKI
CHECKED BY: R. TROTTIER
DATE: 8/4/16

HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

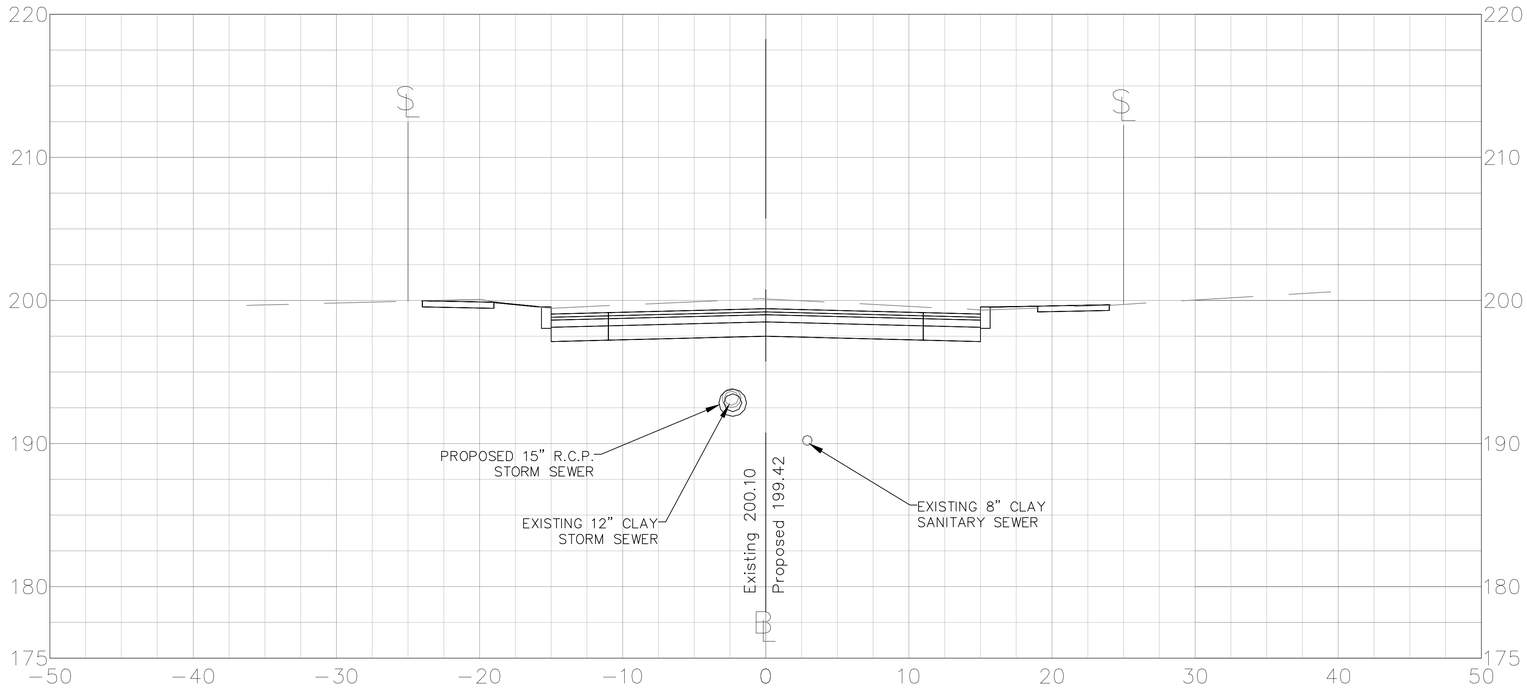
REV.	DATE	DESCRIPTION	BY	APP'D

SCALE: AS NOTED

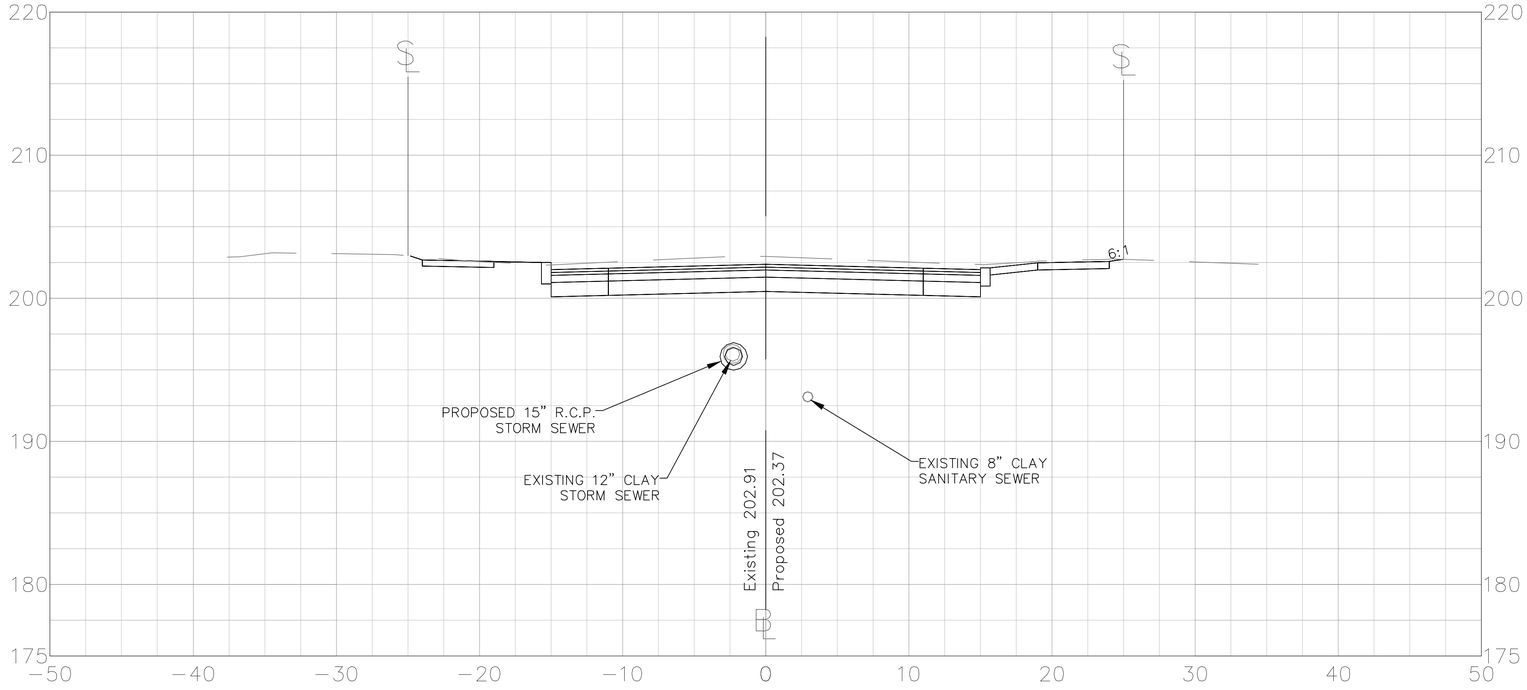
JOB NO. 88-185

SUBSET 14.34

29+00.00



28+50.00



SCALE IN FEET
(1" = 5')

CROSS SECTIONS

HART STREET

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
DRAWN BY: C. POLKOWSKI
CHECKED BY: R. TROTTIER
DATE: 8/4/16

HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

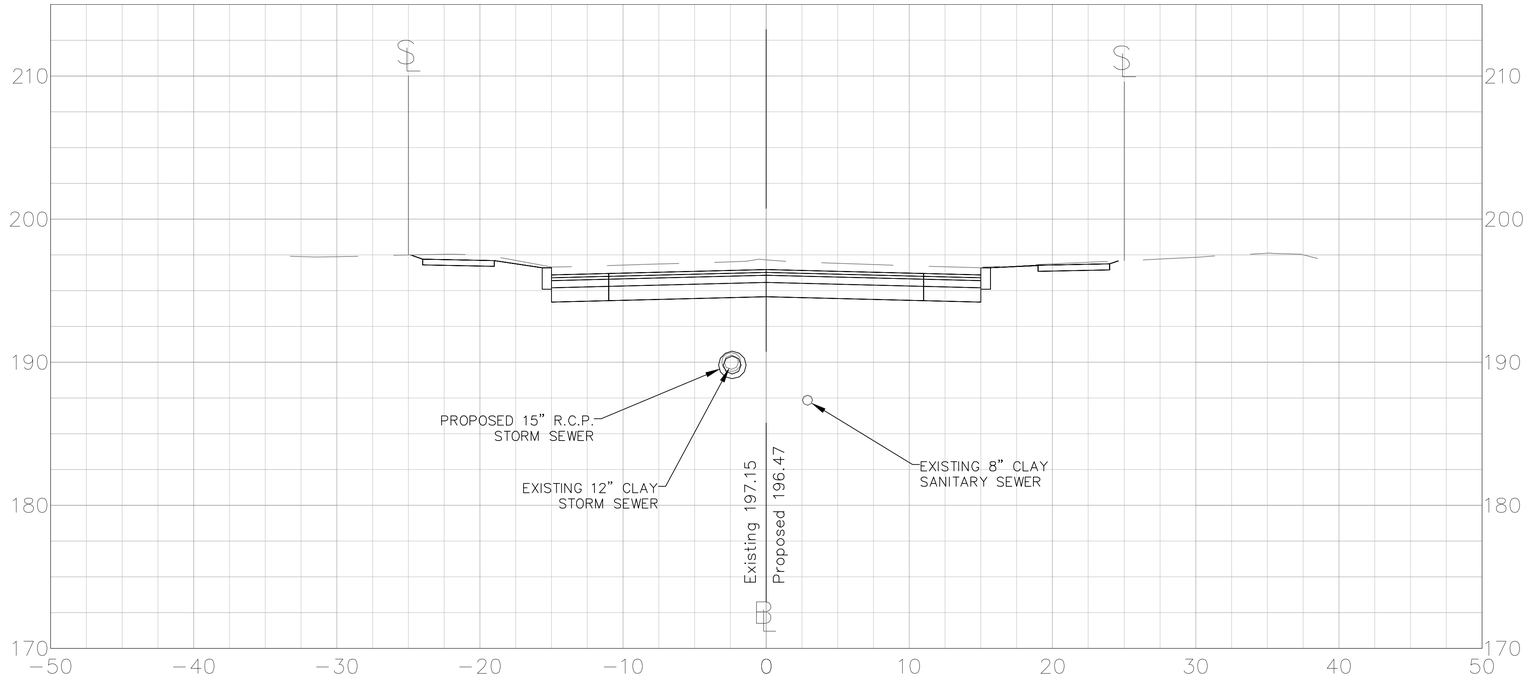
REV.	DATE	DESCRIPTION	BY	APP'D

SCALE: AS NOTED

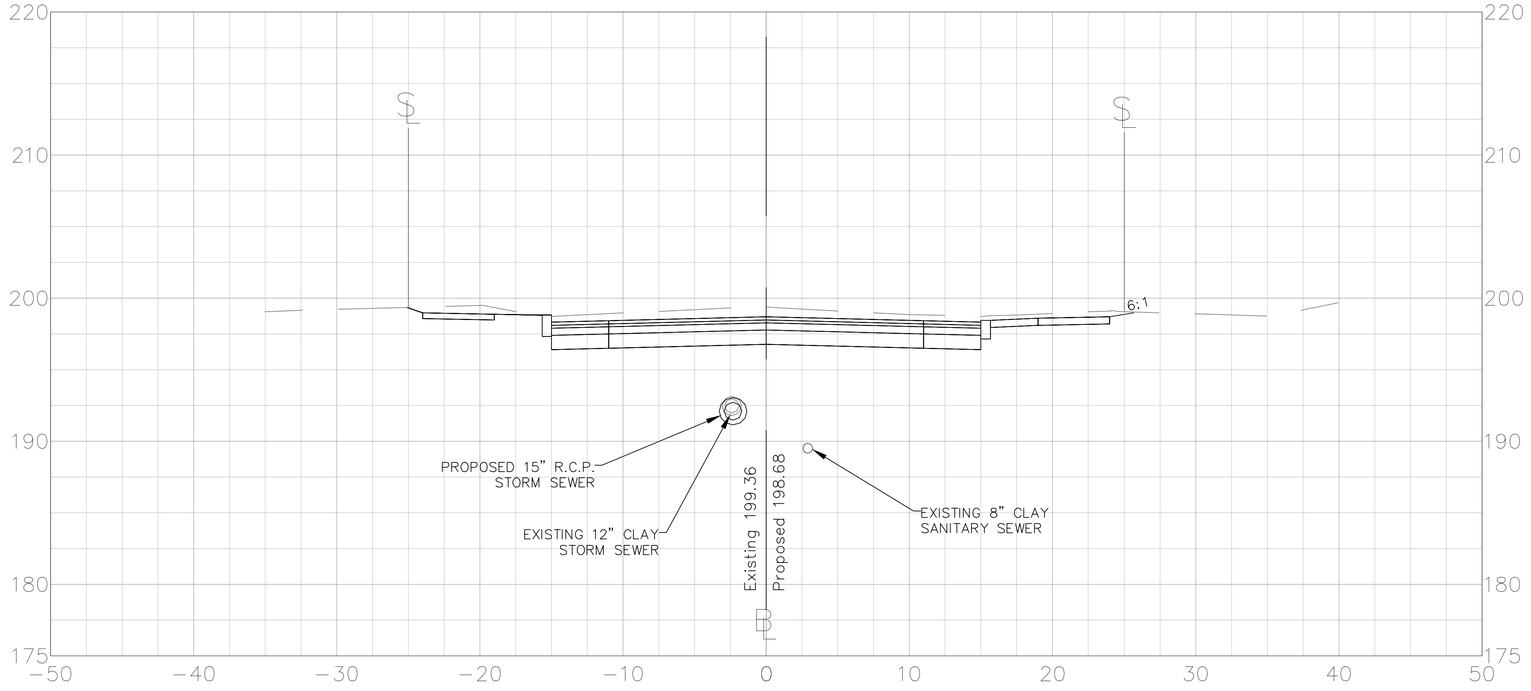
JOB NO. 88-185

SUBSET 14.35

29+50.00



29+12.47





CROSS SECTIONS

HART STREET

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
DRAWN BY: C. POLKOWSKI
CHECKED BY: R. TROTTIER
DATE: 8/4/16

HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

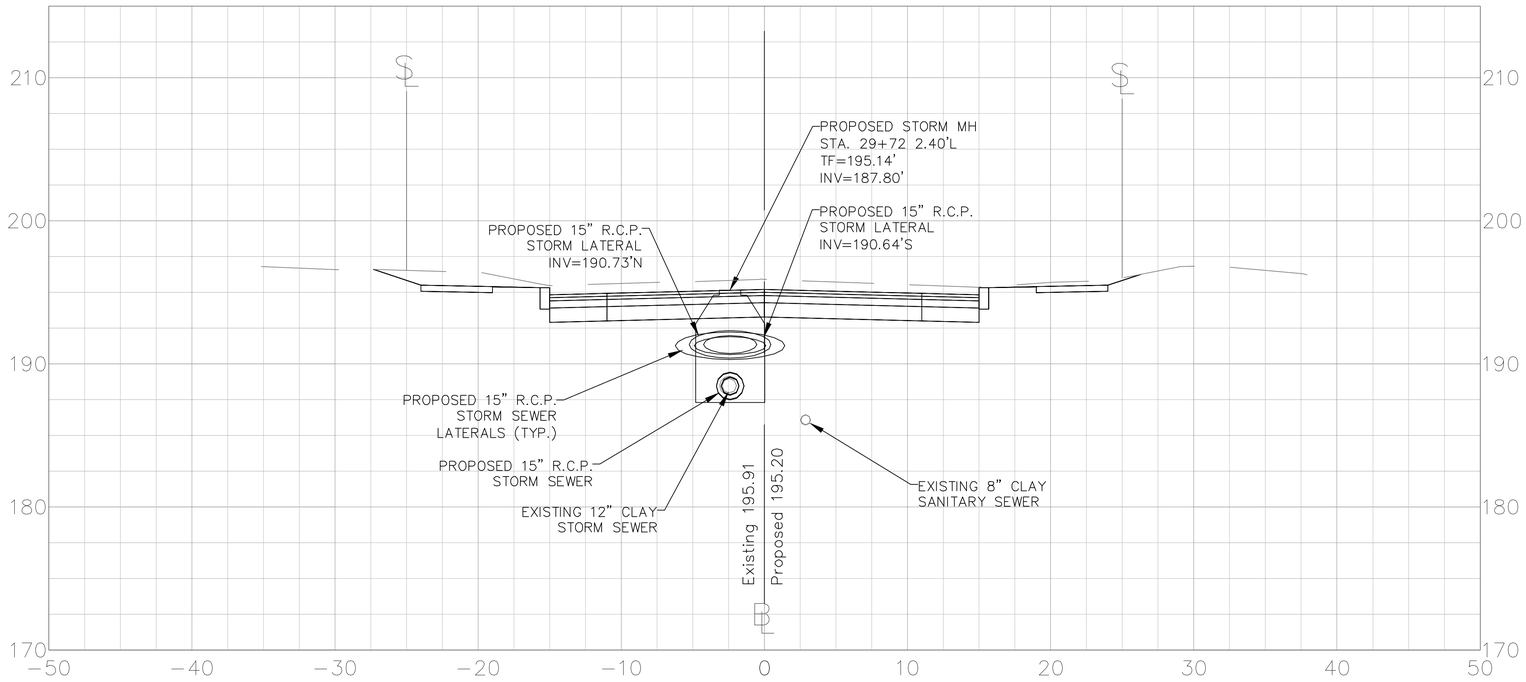
REV.	DATE	DESCRIPTION	BY	APP'D

SCALE: AS NOTED

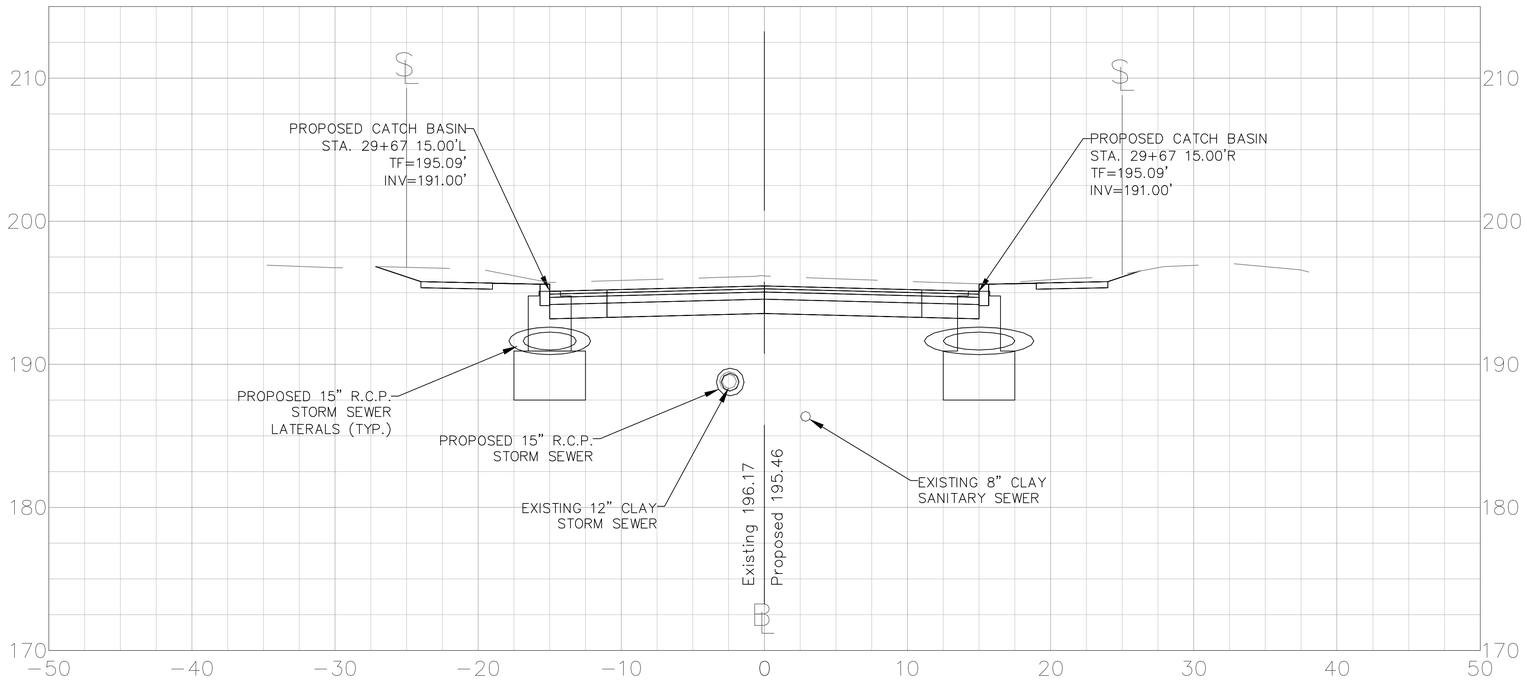
JOB NO. 88-185

SUBSET 14.36

29+71.53



29+67.03



5 2.5 0 5 10 15
SCALE IN FEET
(1" = 5)

CROSS SECTIONS
HART STREET

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

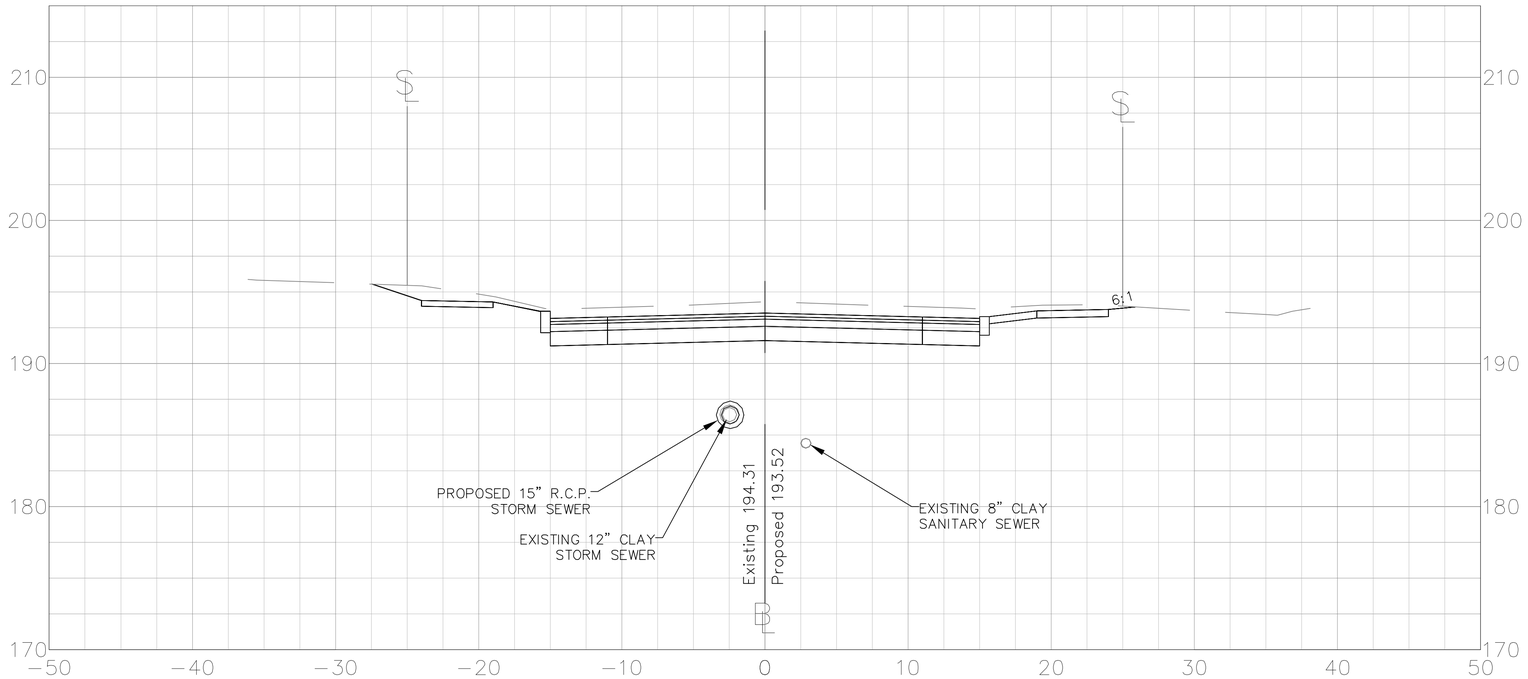
DESIGNED BY: C. POLKOWSKI
DRAWN BY: C. POLKOWSKI
CHECKED BY: R. TROTTIER
DATE: 8/4/16

HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

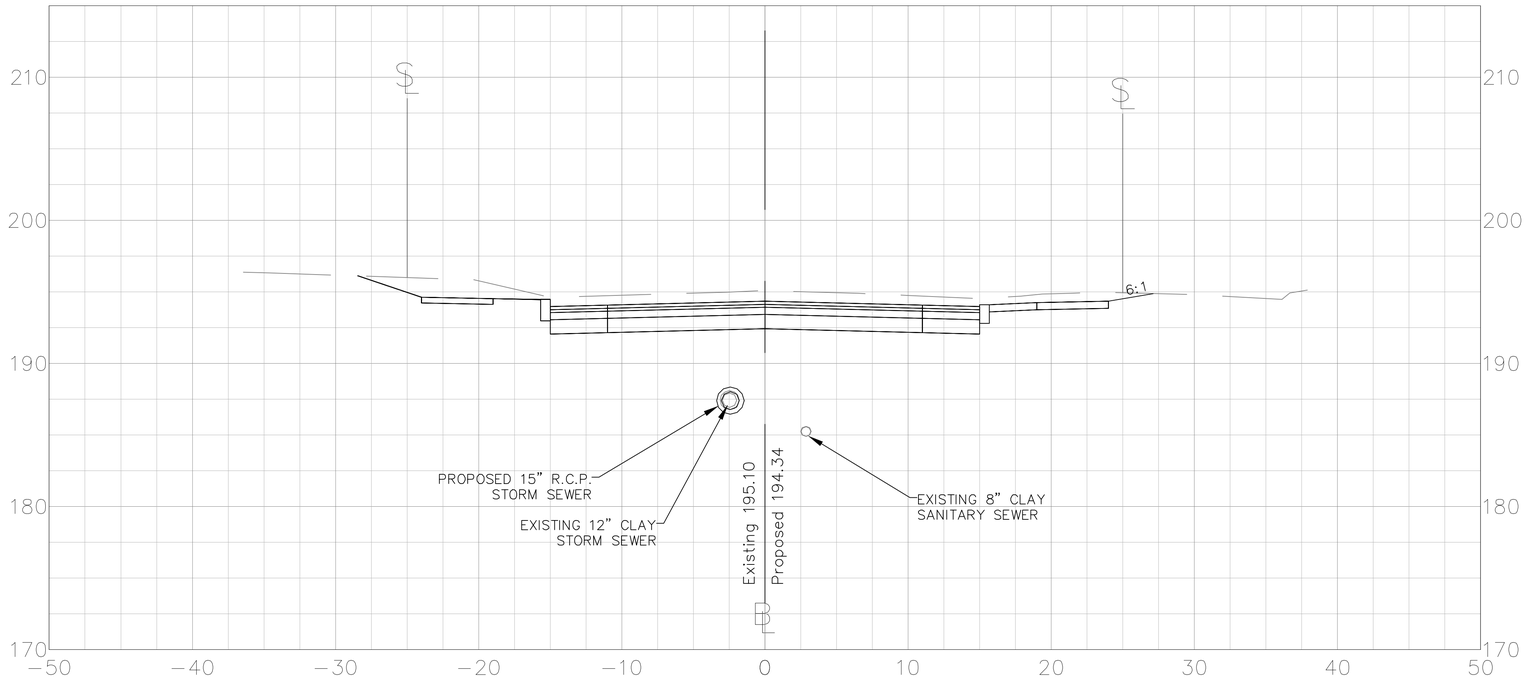
REV.	DATE	DESCRIPTION	BY	APP'D

SCALE: AS NOTED
JOB NO. 88-185
SUBSET 14.37

30+00.00



29+86.05



SCALE IN FEET
(1" = 5')

CROSS SECTIONS

HART STREET

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
DRAWN BY: C. POLKOWSKI
CHECKED BY: R. TROTTIER
DATE: 8/4/16

HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

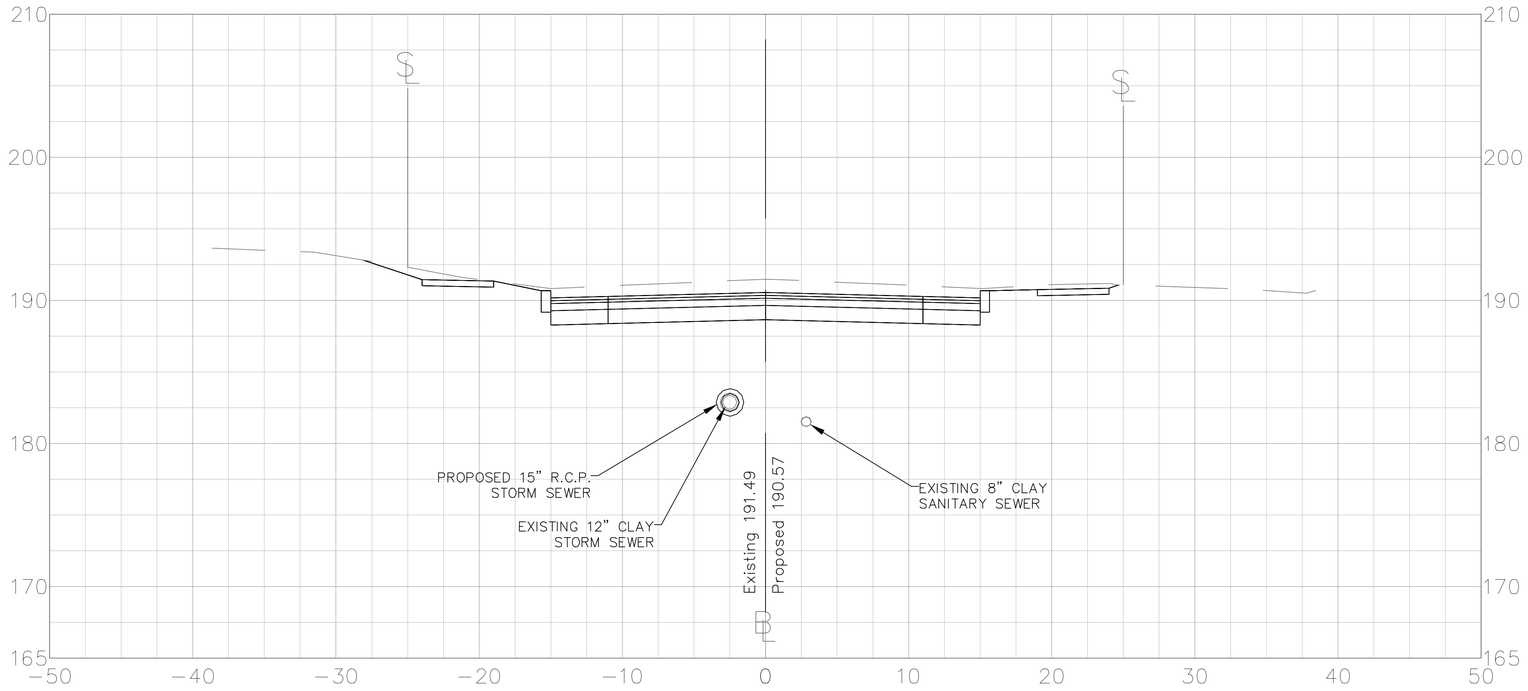
REV.	DATE	DESCRIPTION	BY	APP'D

SCALE: AS NOTED

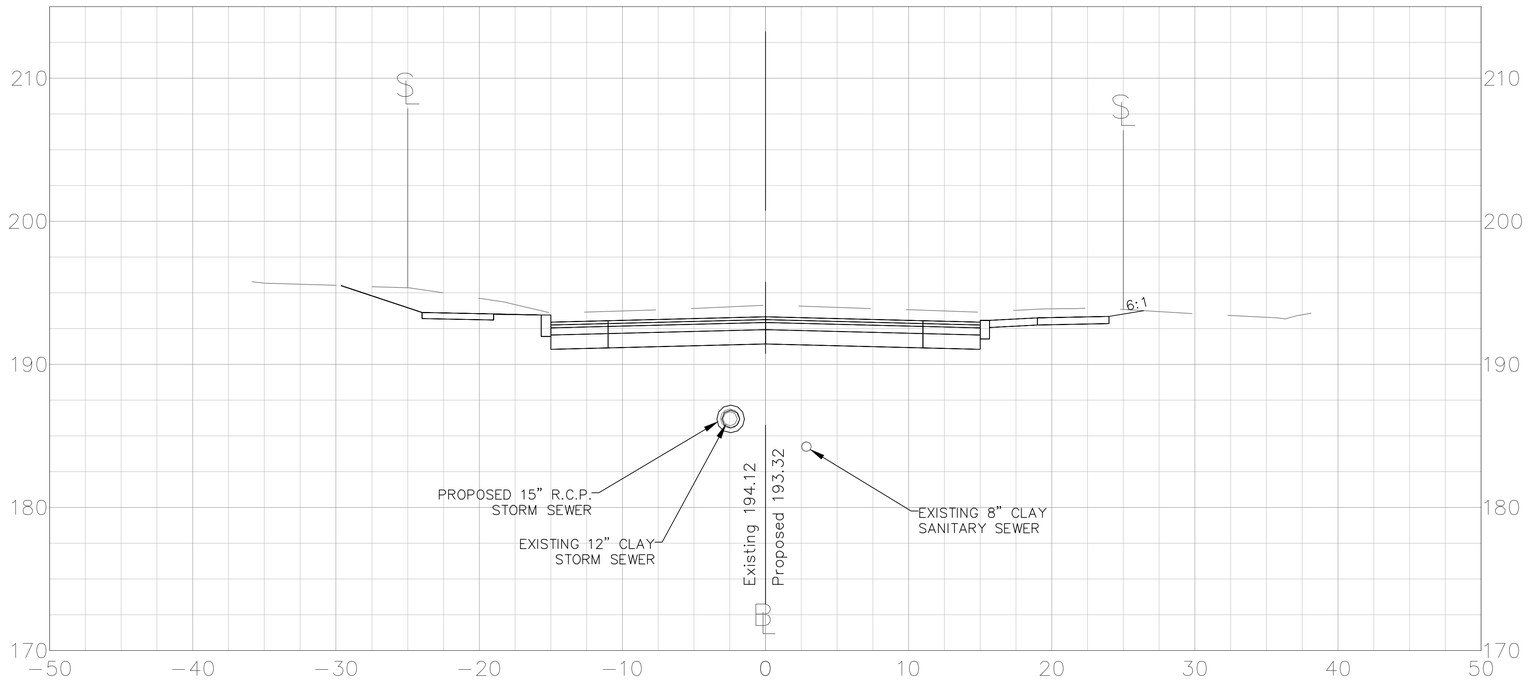
JOB NO. 88-185

SUBSET 14.38

30+50.00



30+03.32





CROSS SECTIONS

HART STREET

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
DRAWN BY: C. POLKOWSKI
CHECKED BY: R. TROTTIER
DATE: 8/4/16

HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

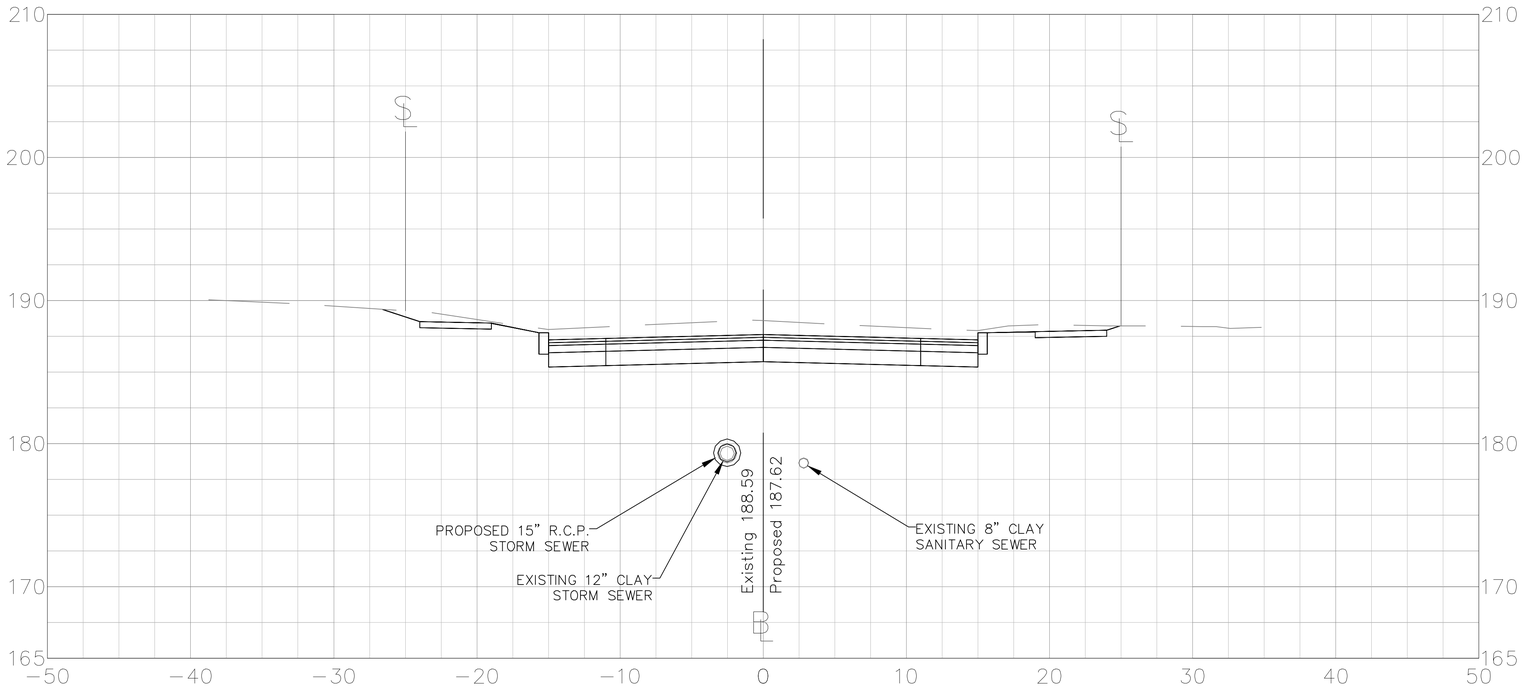
REV.	DATE	DESCRIPTION	BY	APP'D

SCALE: AS NOTED

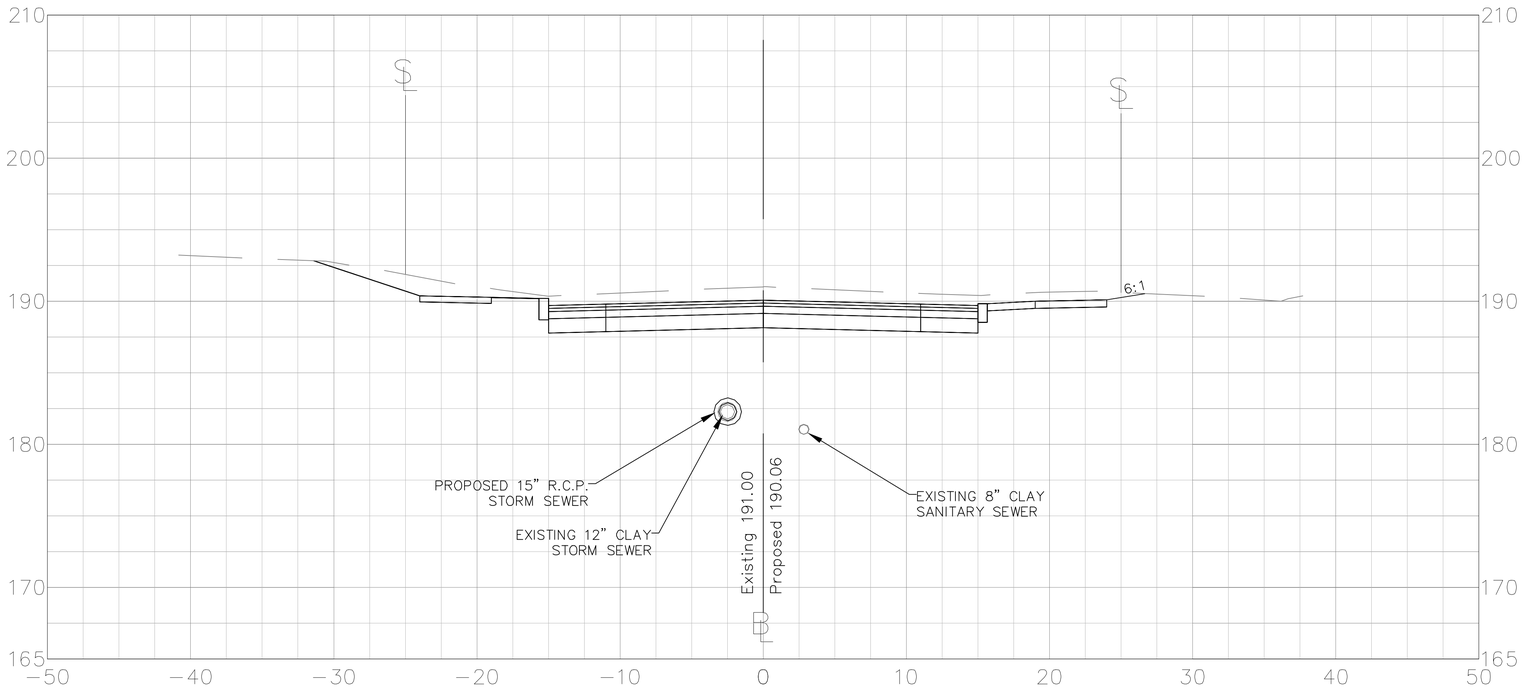
JOB NO. 88-185

SUBSET 14.39

31+00.00



30+58.63



SCALE IN FEET
(1" = 5')

CROSS SECTIONS

HART STREET

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
DRAWN BY: C. POLKOWSKI
CHECKED BY: R. TROTTIER
DATE: 8/4/16

HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

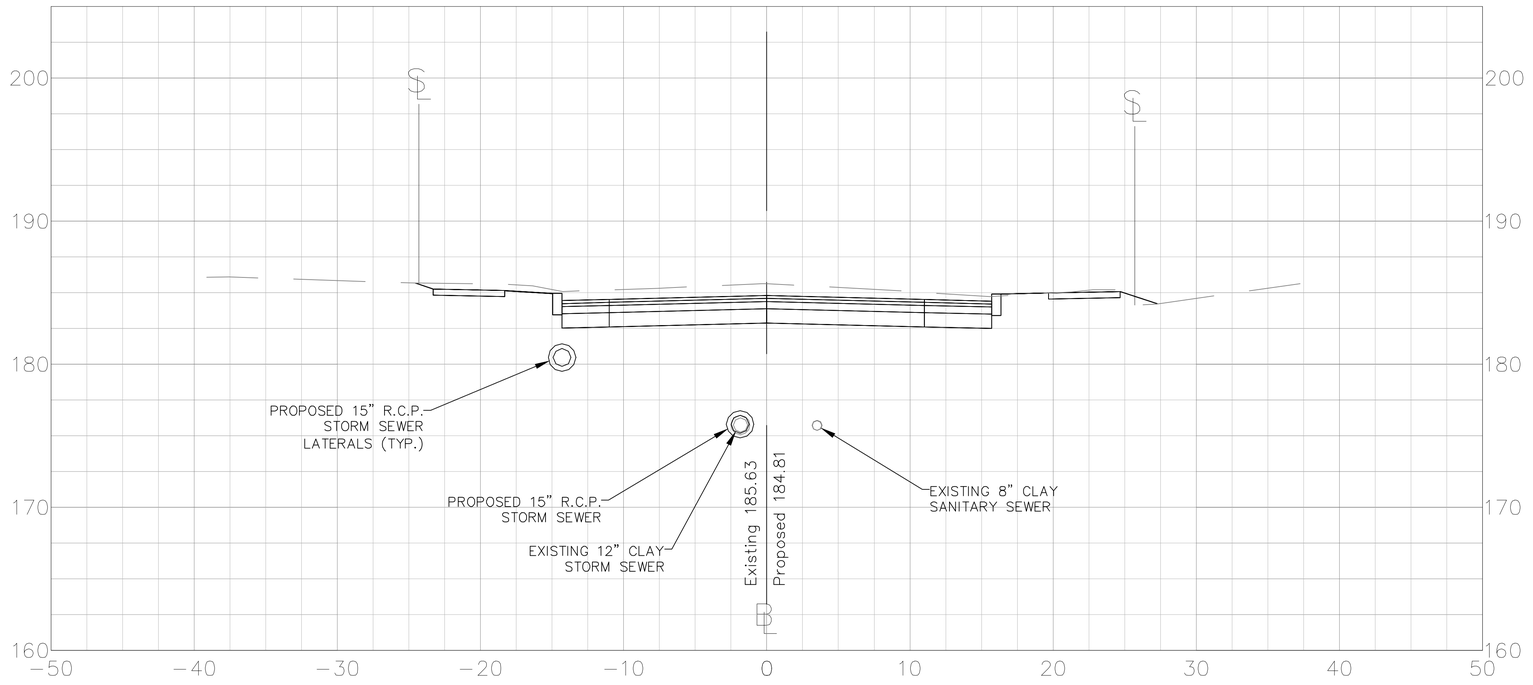
REV.	DATE	DESCRIPTION	BY	APP'D

SCALE: AS NOTED

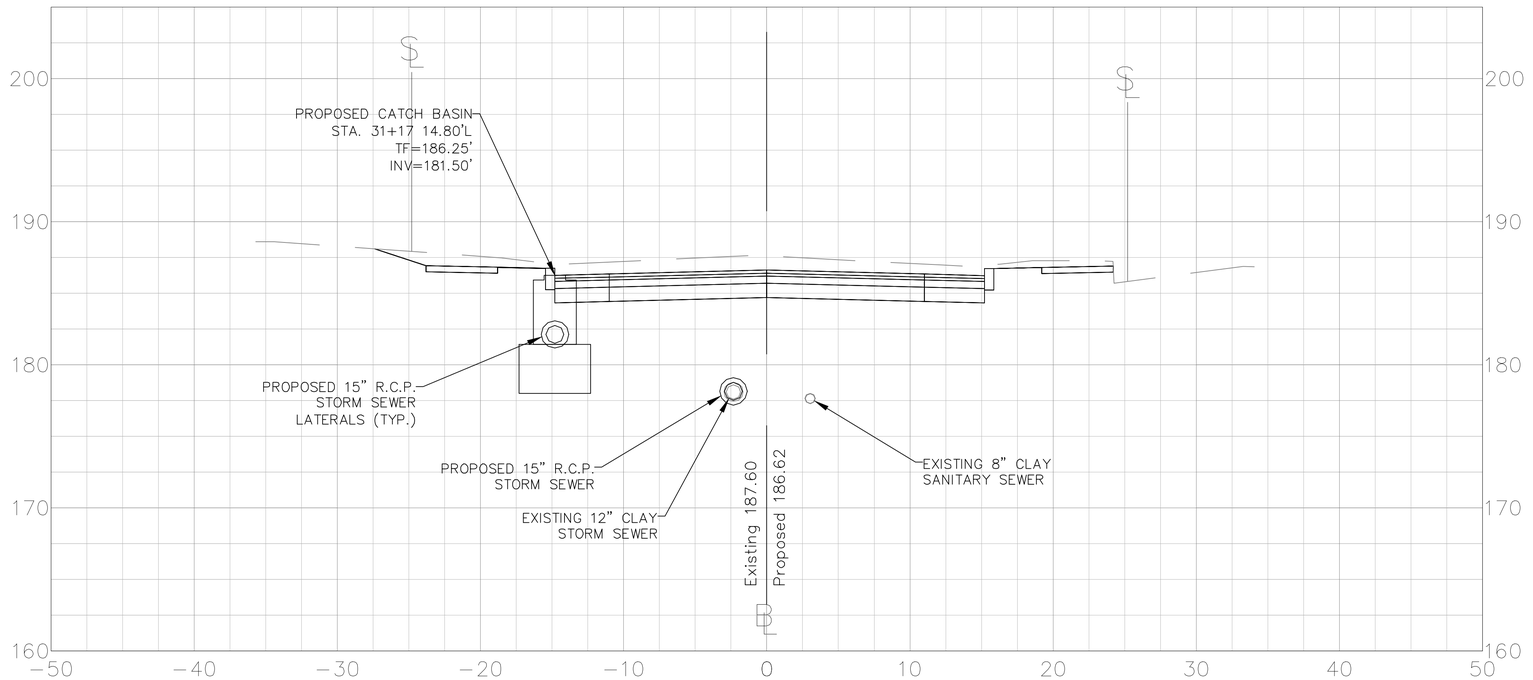
JOB NO. 88-185

SUBSET 14.40

31+50.00



31+17.00



5 2.5 0 5 10 15
SCALE IN FEET
(1" = 5)

CROSS SECTIONS

HART STREET

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

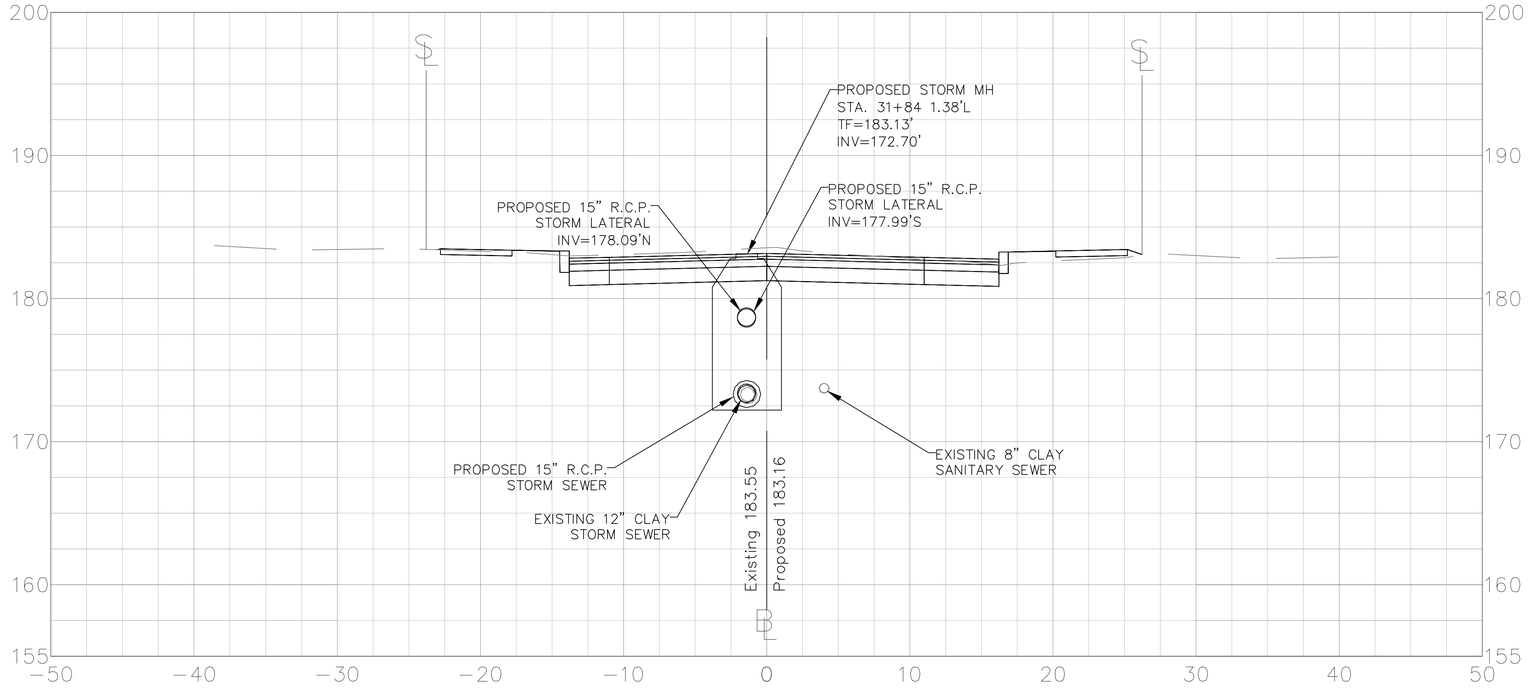
DESIGNED BY: C. POLKOWSKI
DRAWN BY: C. POLKOWSKI
CHECKED BY: R. TROTTIER
DATE: 8/4/16

HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

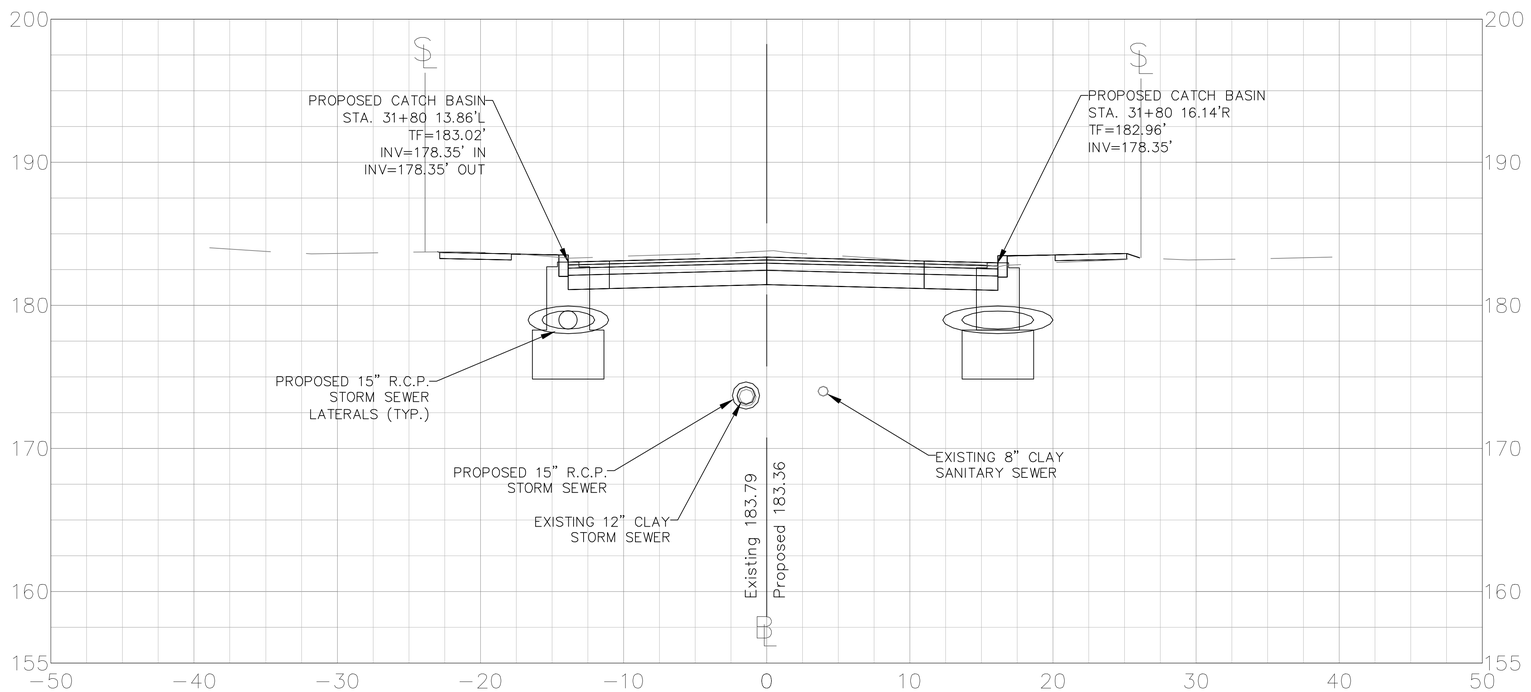
REV.	DATE	DESCRIPTION	BY	APP'D

SCALE: AS NOTED
JOB NO. 88-185
SUBSET 14.41

31+84.50



31+80.00



5 2.5 0 5 10 15

SCALE IN FEET
(1" = 5')

CROSS SECTIONS

HART STREET

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
DRAWN BY: C. POLKOWSKI
CHECKED BY: R. TROTTIER
DATE: 8/4/16

HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

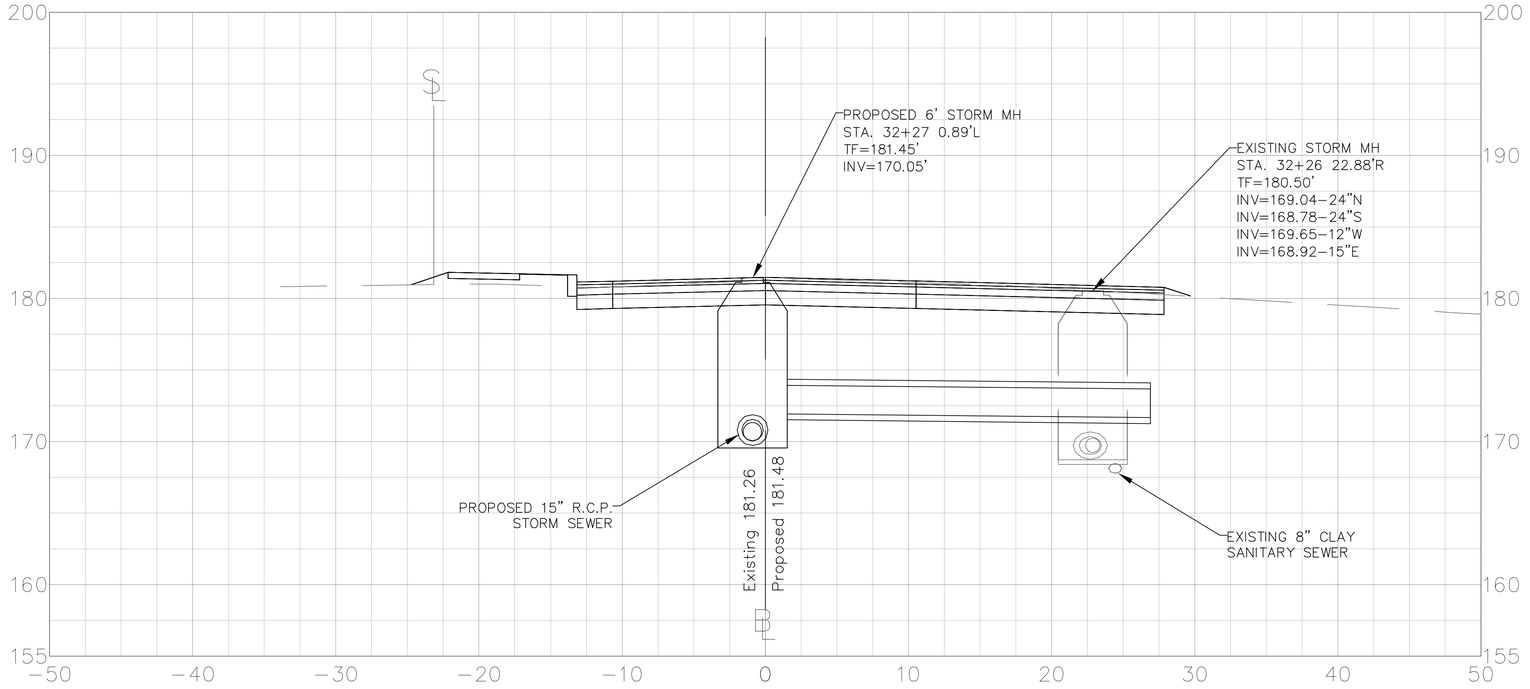
REV.	DATE	DESCRIPTION	BY	APP'D

SCALE: AS NOTED

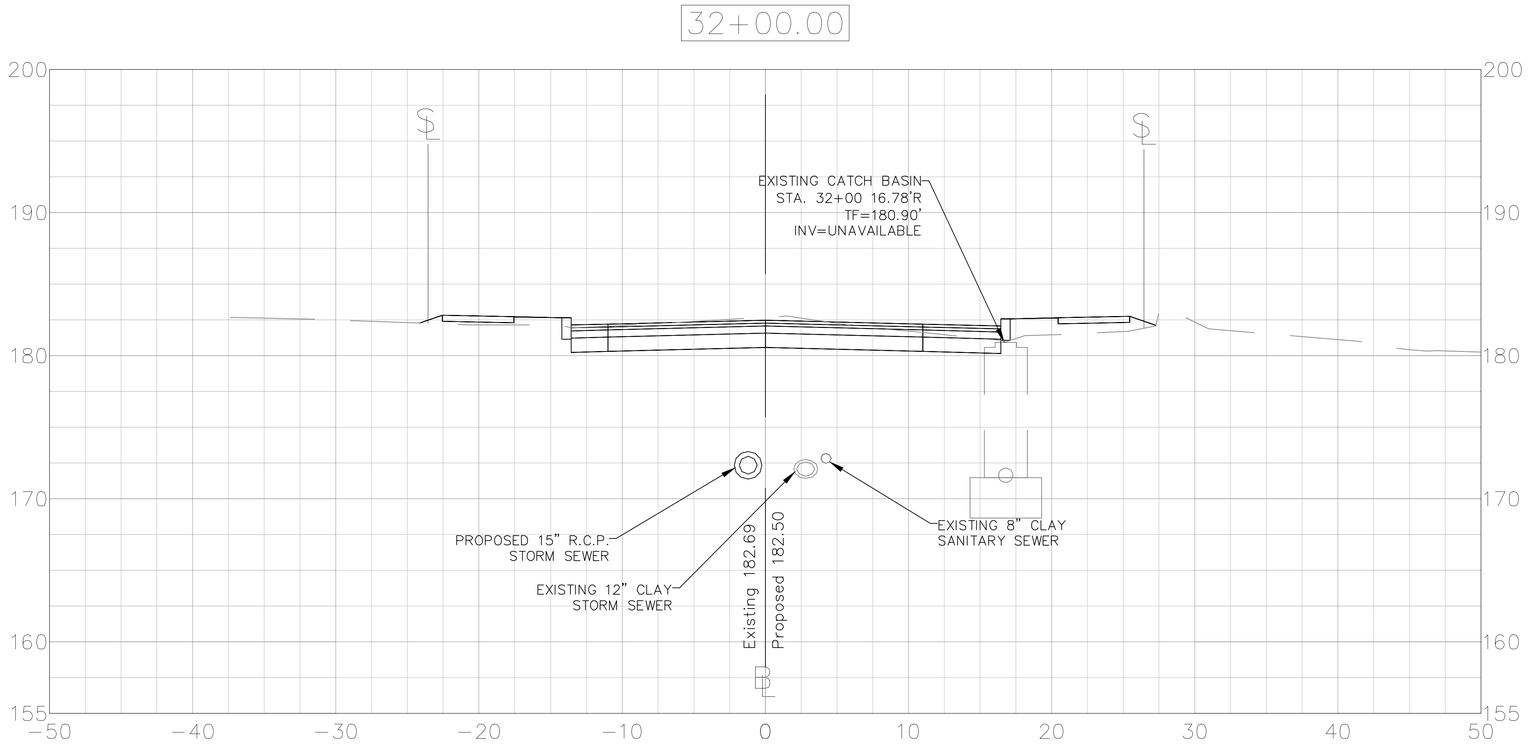
JOB NO. 88-185

SUBSET 14.42

32+26.60



32+00.00



5 2.5 0 5 10 15
SCALE IN FEET
(1" = 5)

CROSS SECTIONS
HART STREET

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

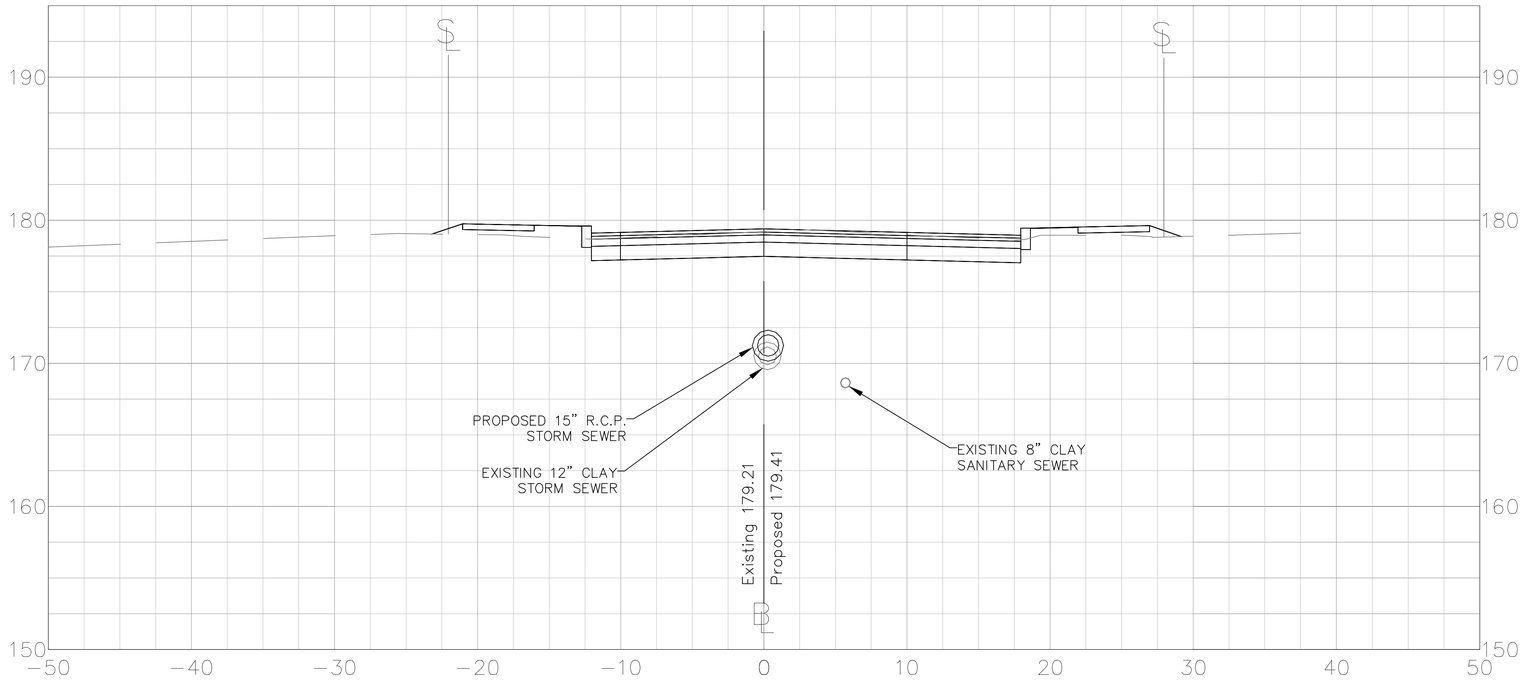
DESIGNED BY: C. POLKOWSKI
DRAWN BY: C. POLKOWSKI
CHECKED BY: R. TROTTIER
DATE: 8/4/16

HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

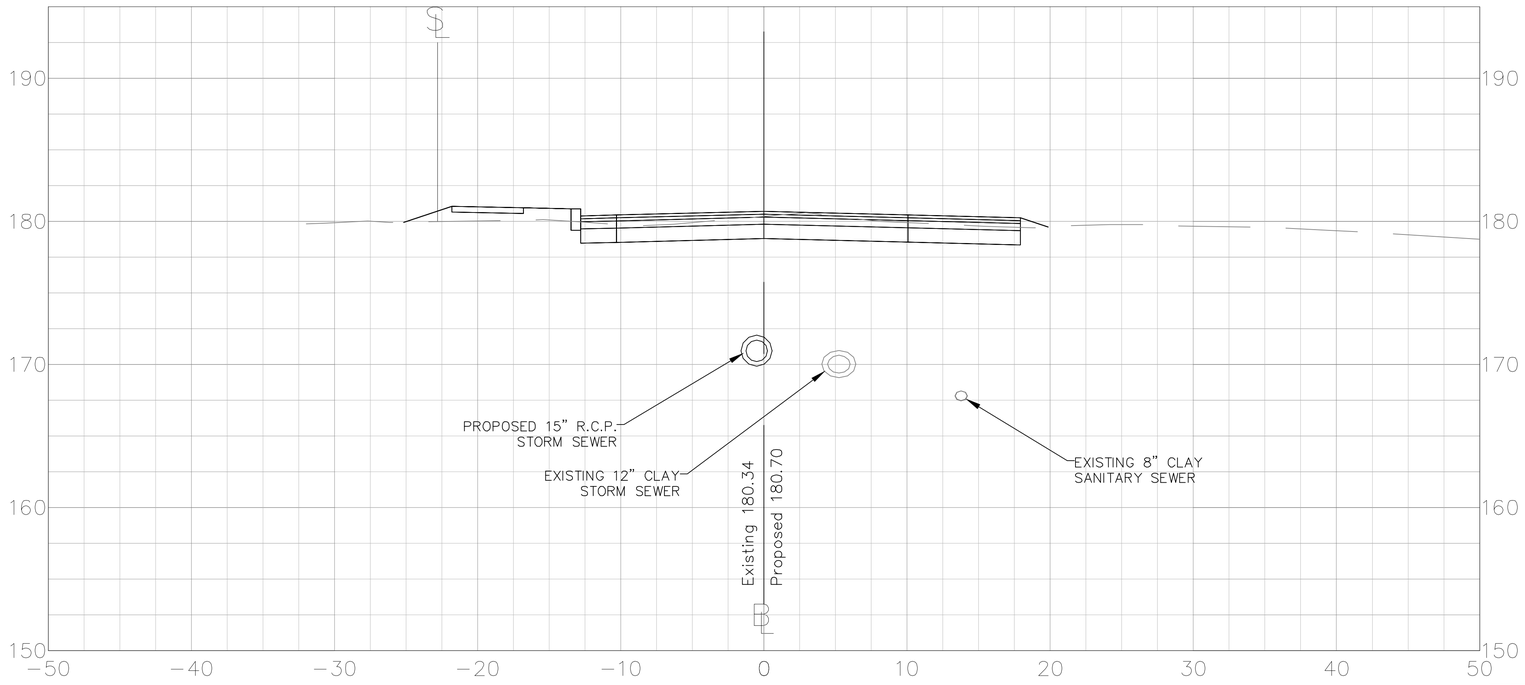
REV.	DATE	DESCRIPTION	BY	APP'D

SCALE: AS NOTED
JOB NO. 88-185
SUBSET 14.43

33+00.00



32+50.00



SCALE IN FEET
(1" = 5')

CROSS SECTIONS

HART STREET

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
DRAWN BY: C. POLKOWSKI
CHECKED BY: R. TROTTIER
DATE: 8/4/16

HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

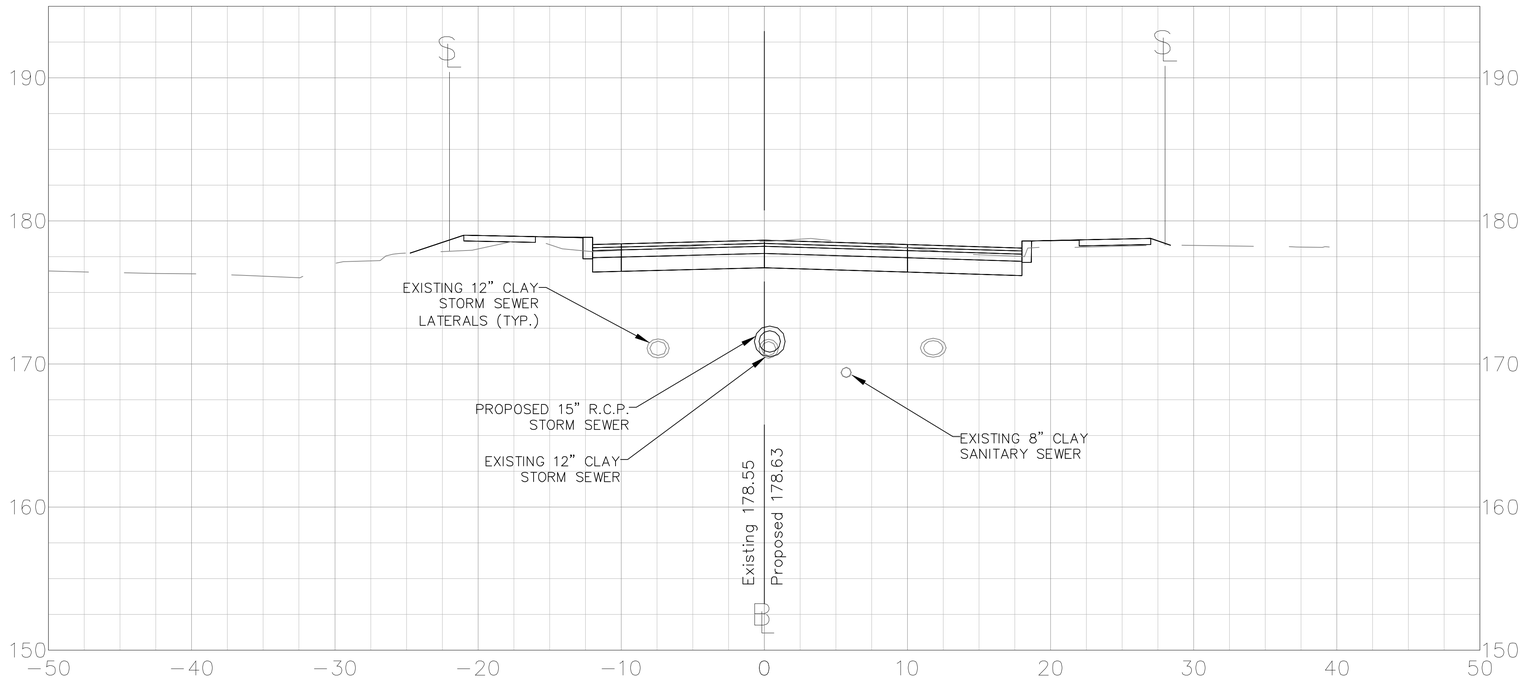
REV.	DATE	DESCRIPTION	BY	APP'D

SCALE: AS NOTED

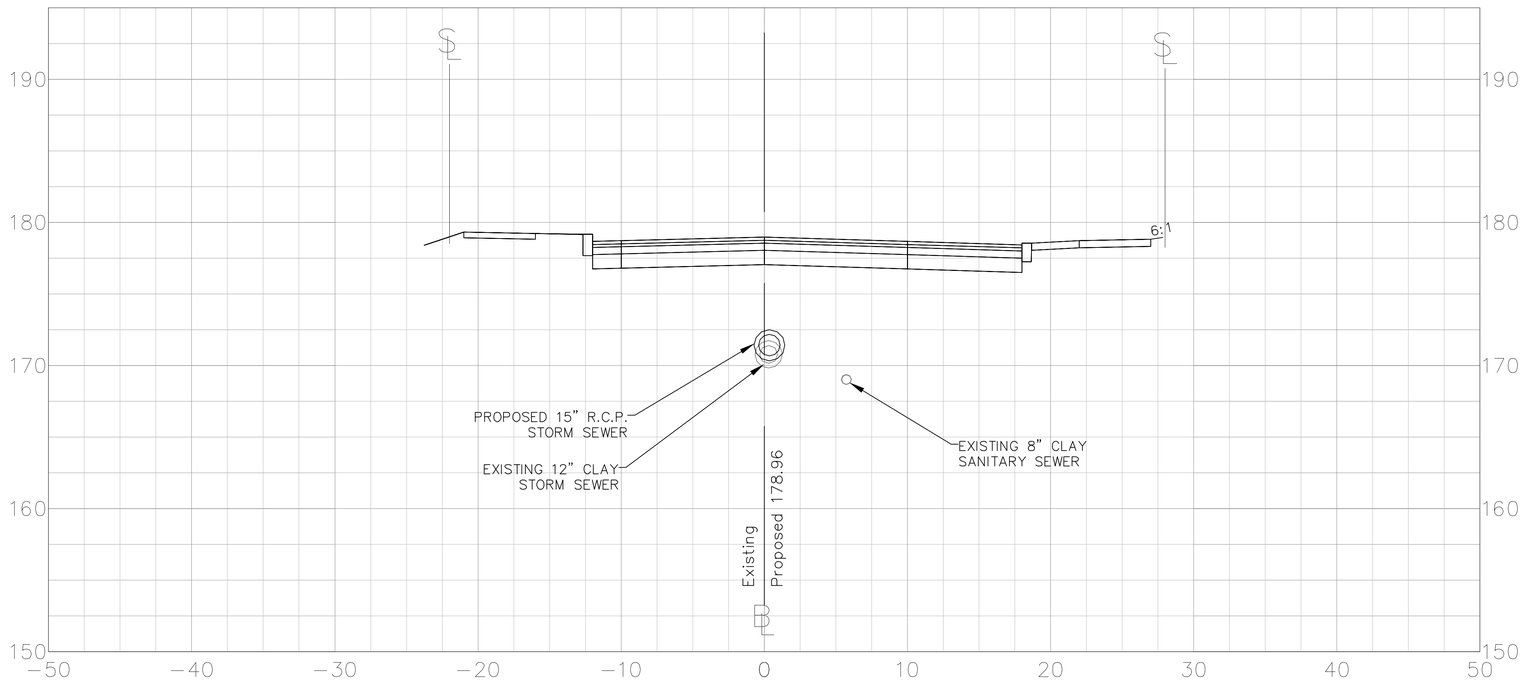
JOB NO. 88-185

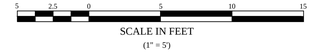
SUBSET 14.44

33+50.00



33+24.46





CROSS SECTIONS

HART STREET

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
DRAWN BY: C. POLKOWSKI
CHECKED BY: R. TROTTIER
DATE: 8/4/16

HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

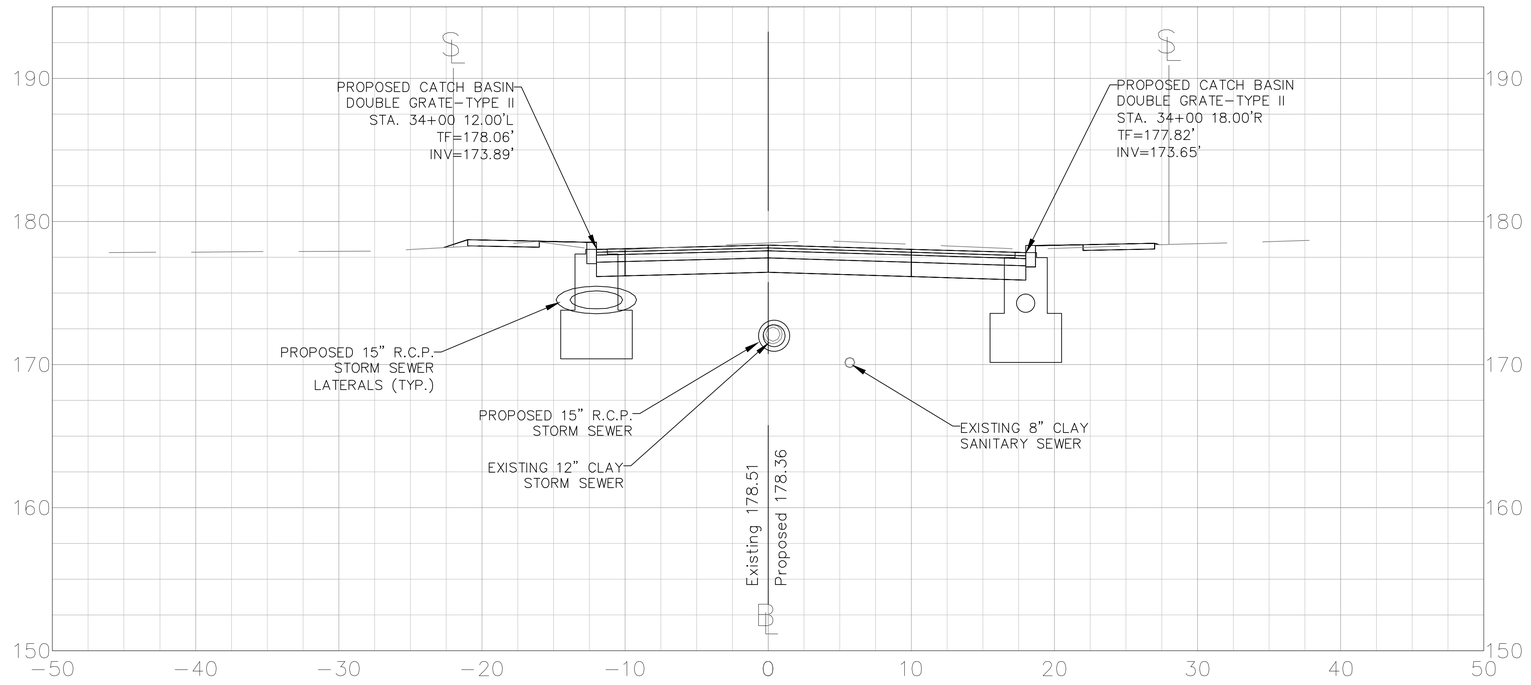
REV.	DATE	DESCRIPTION	BY	APP'D

SCALE: AS NOTED

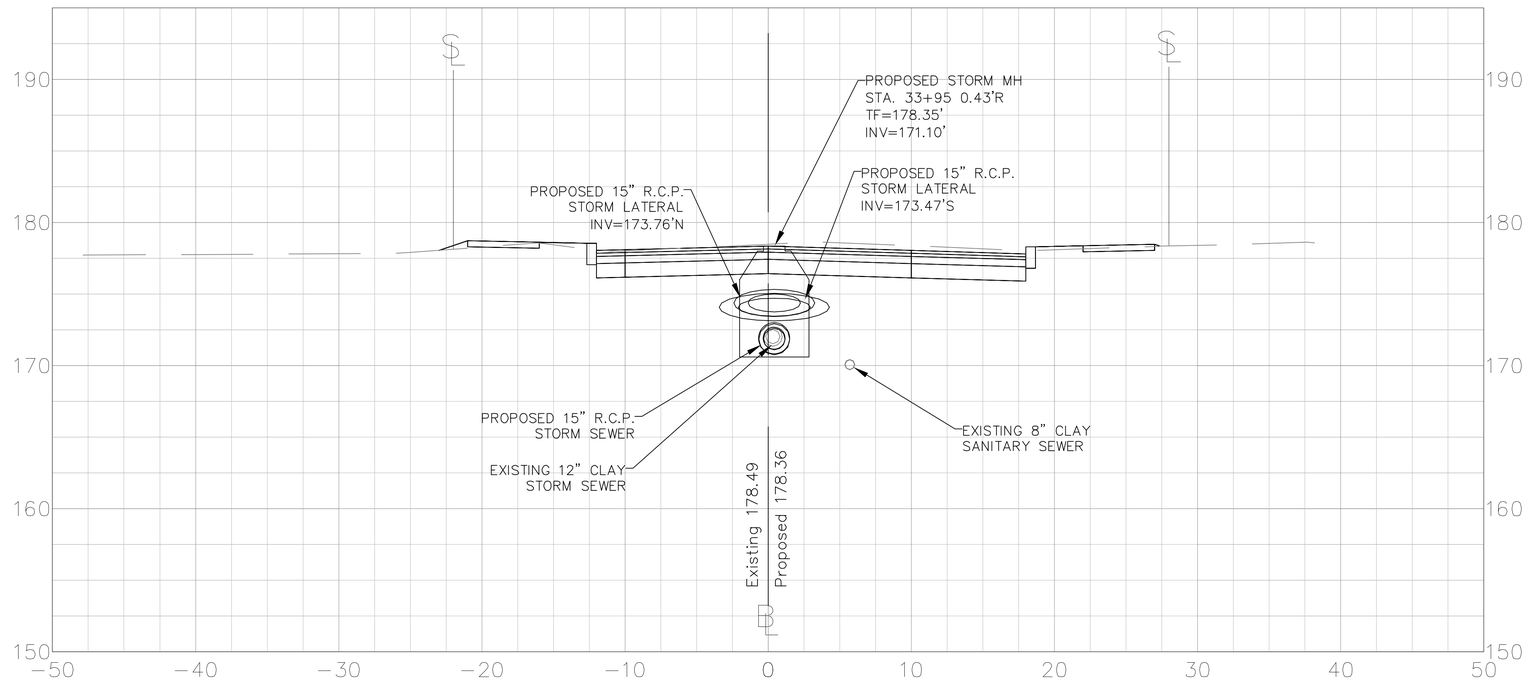
JOB NO. 88-185

SUBSET 14.45

34+00.00



33+95.50



5 2.5 0 5 10 15
SCALE IN FEET
(1" = 5')

CROSS SECTIONS
HART STREET

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

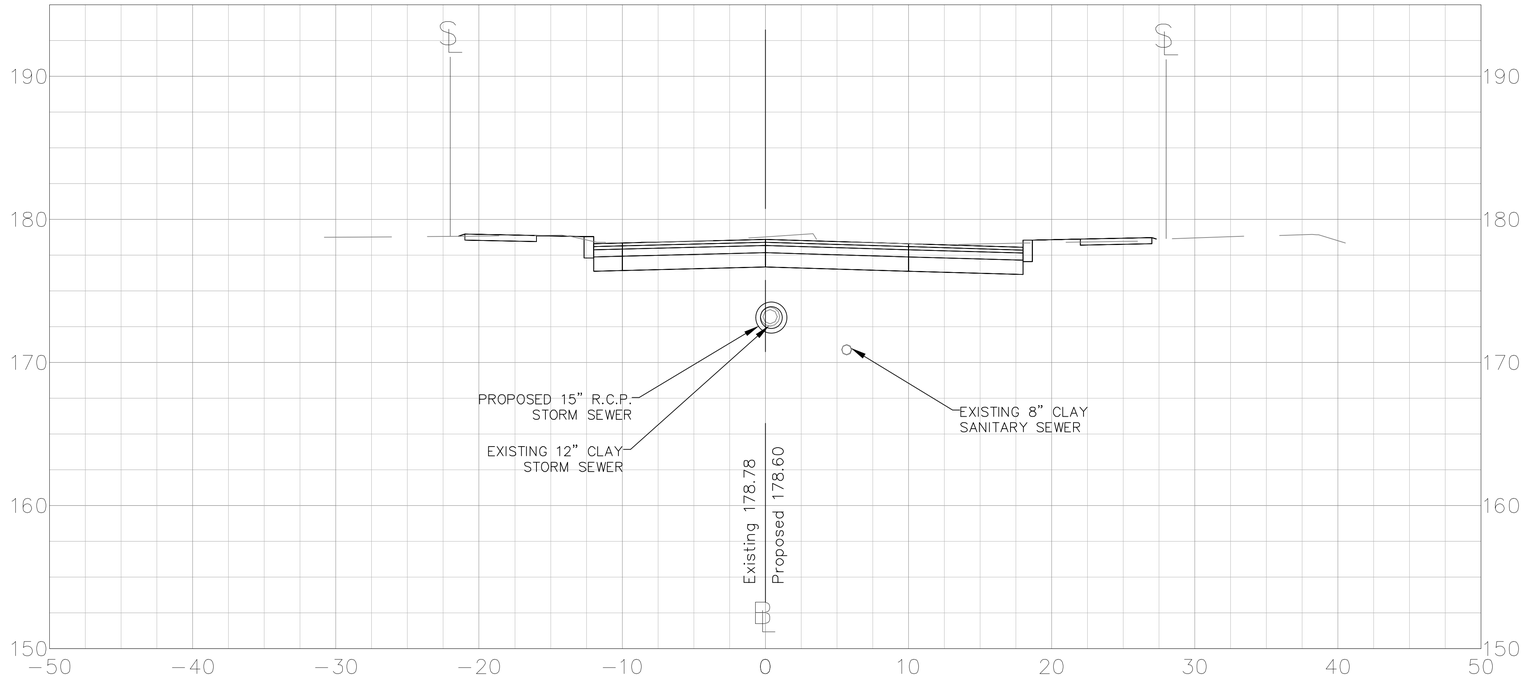
DESIGNED BY: C. POLKOWSKI
DRAWN BY: C. POLKOWSKI
CHECKED BY: R. TROTTIER
DATE: 8/4/16

HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

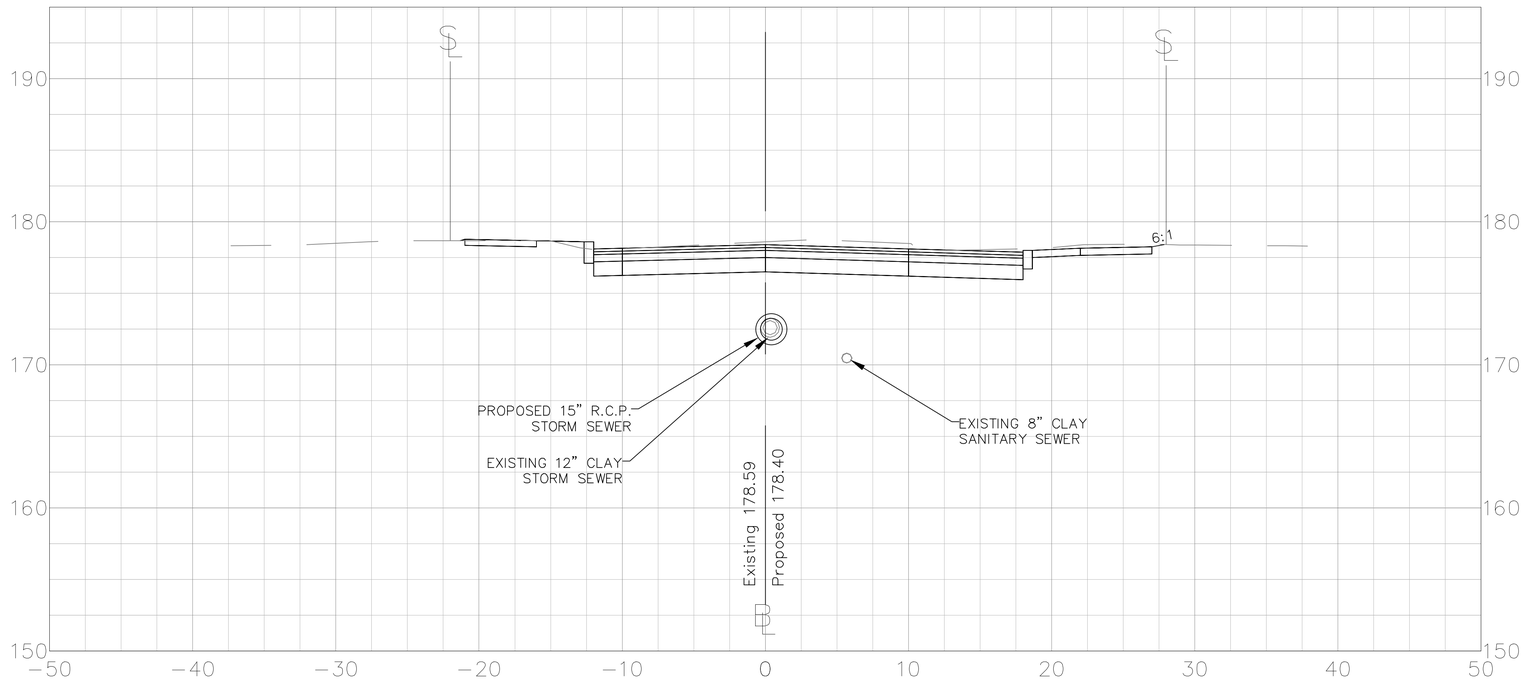
REV.	DATE	DESCRIPTION	BY	APP'D

SCALE: AS NOTED
JOB NO. 88-185
SUBSET 14.46

34+50.00



34+21.40



SCALE IN FEET
(1" = 5')

CROSS SECTIONS

HART STREET

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

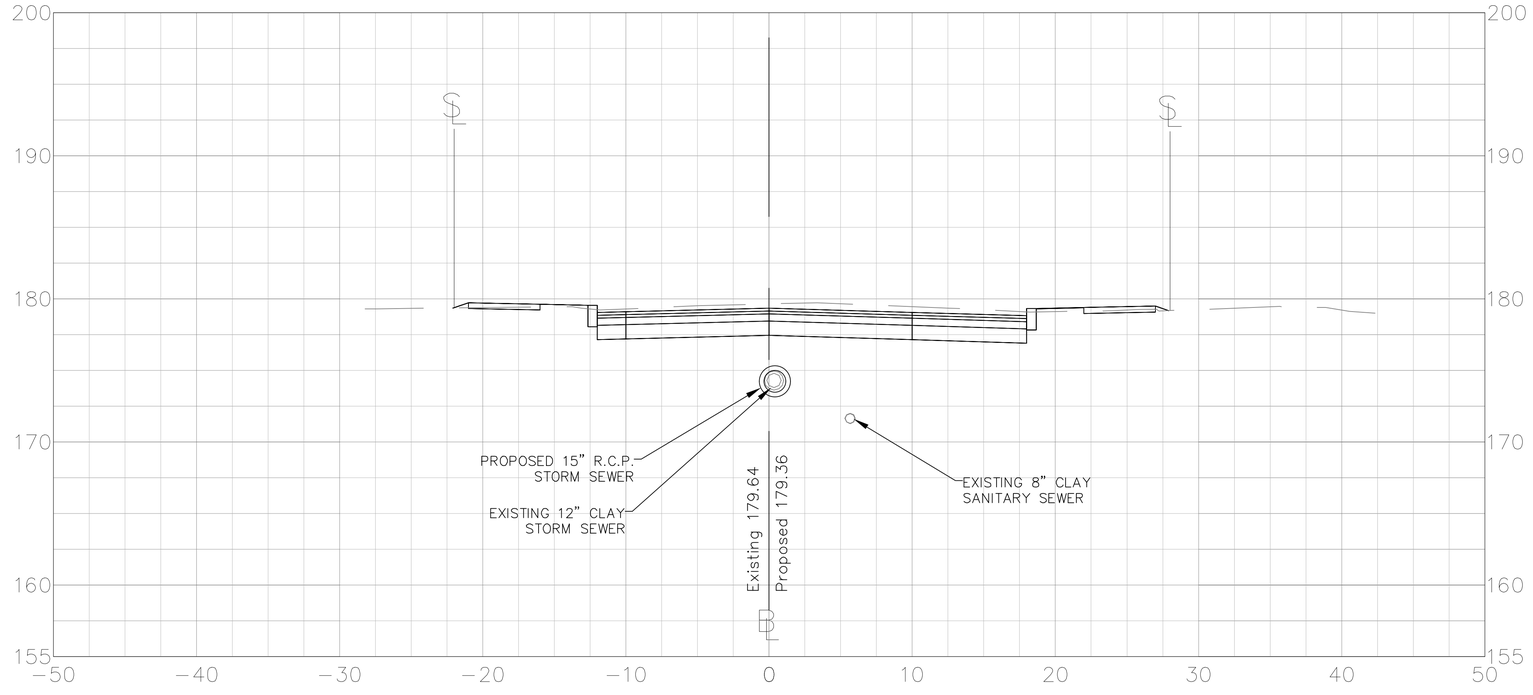
DESIGNED BY: C. POLKOWSKI
DRAWN BY: C. POLKOWSKI
CHECKED BY: R. TROTTIER
DATE: 8/4/16

HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

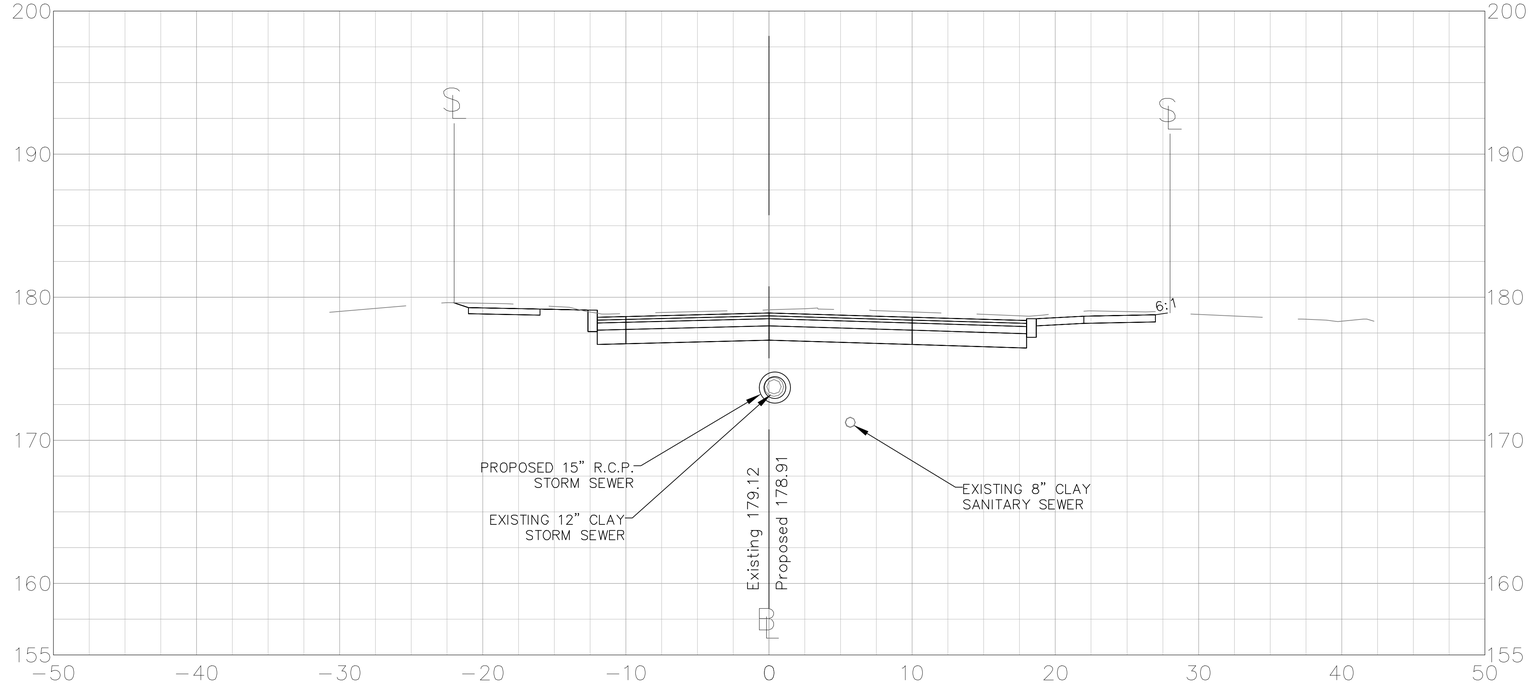
REV.	DATE	DESCRIPTION	BY	APP'D

SCALE: AS NOTED
JOB NO. 88-185
SUBSET 14.47

35+00.00



34+74.31



SCALE IN FEET
(1" = 5)

CROSS SECTIONS

HART STREET

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
DRAWN BY: C. POLKOWSKI
CHECKED BY: R. TROTTIER
DATE: 8/4/16

HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

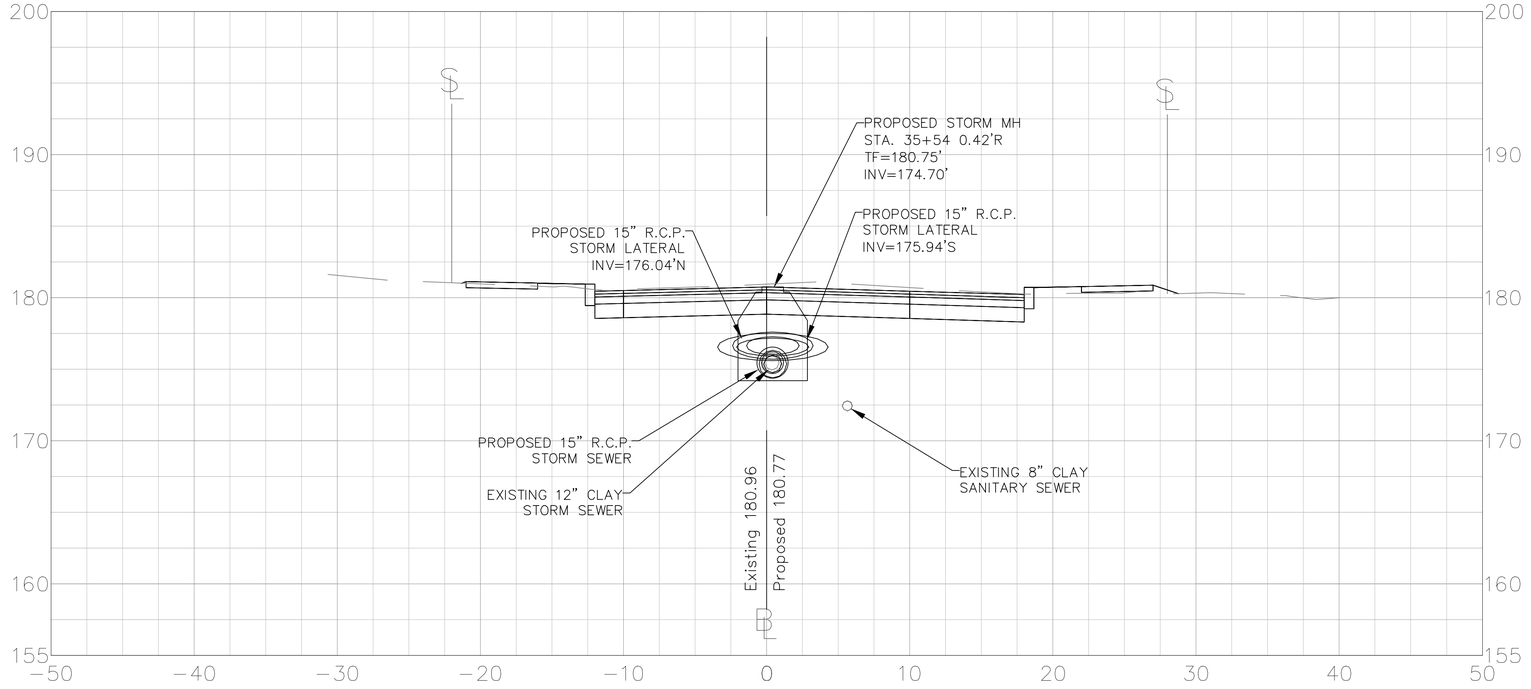
REV.	DATE	DESCRIPTION	BY	APP'D

SCALE: AS NOTED

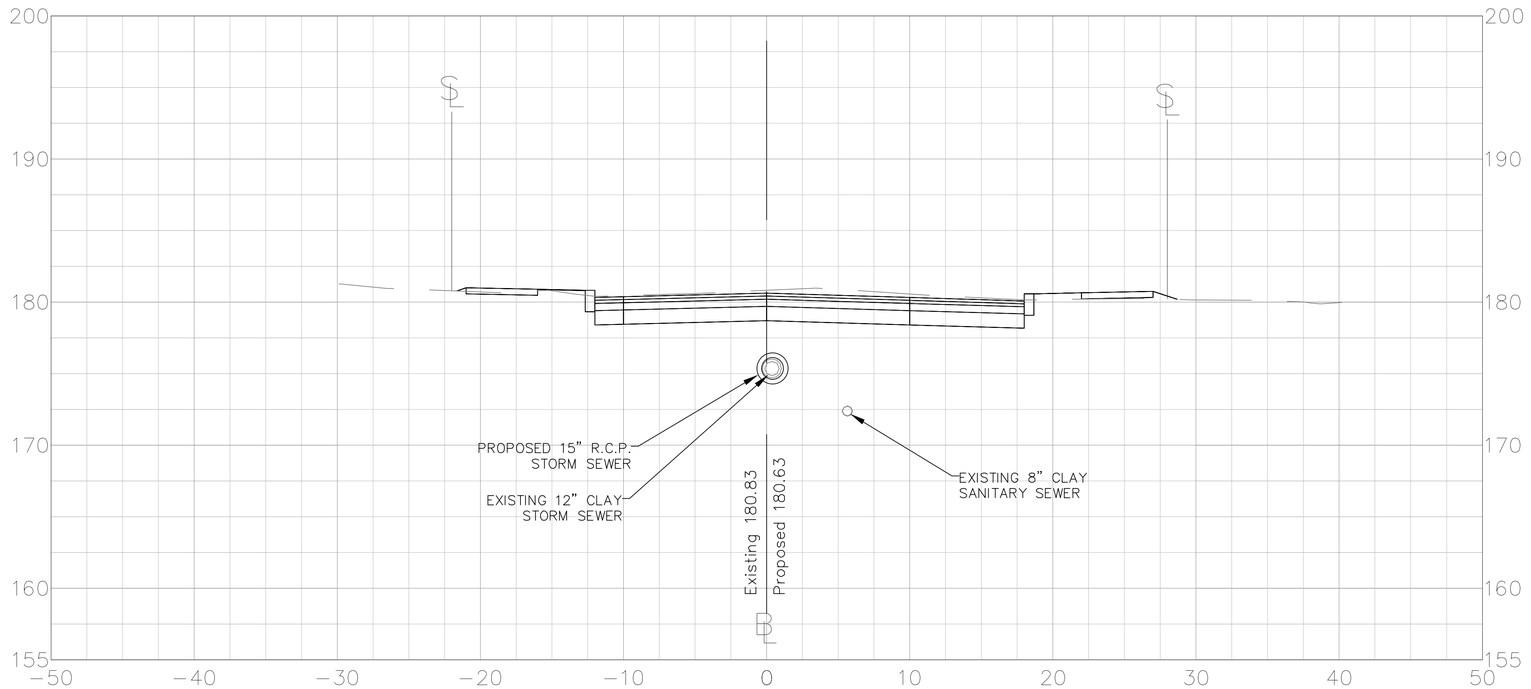
JOB NO. 88-185

SUBSET 14.48

35+54.50



35+50.00



5 2.5 0 5 10 15
SCALE IN FEET
(1" = 5)

CROSS SECTIONS
HART STREET

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

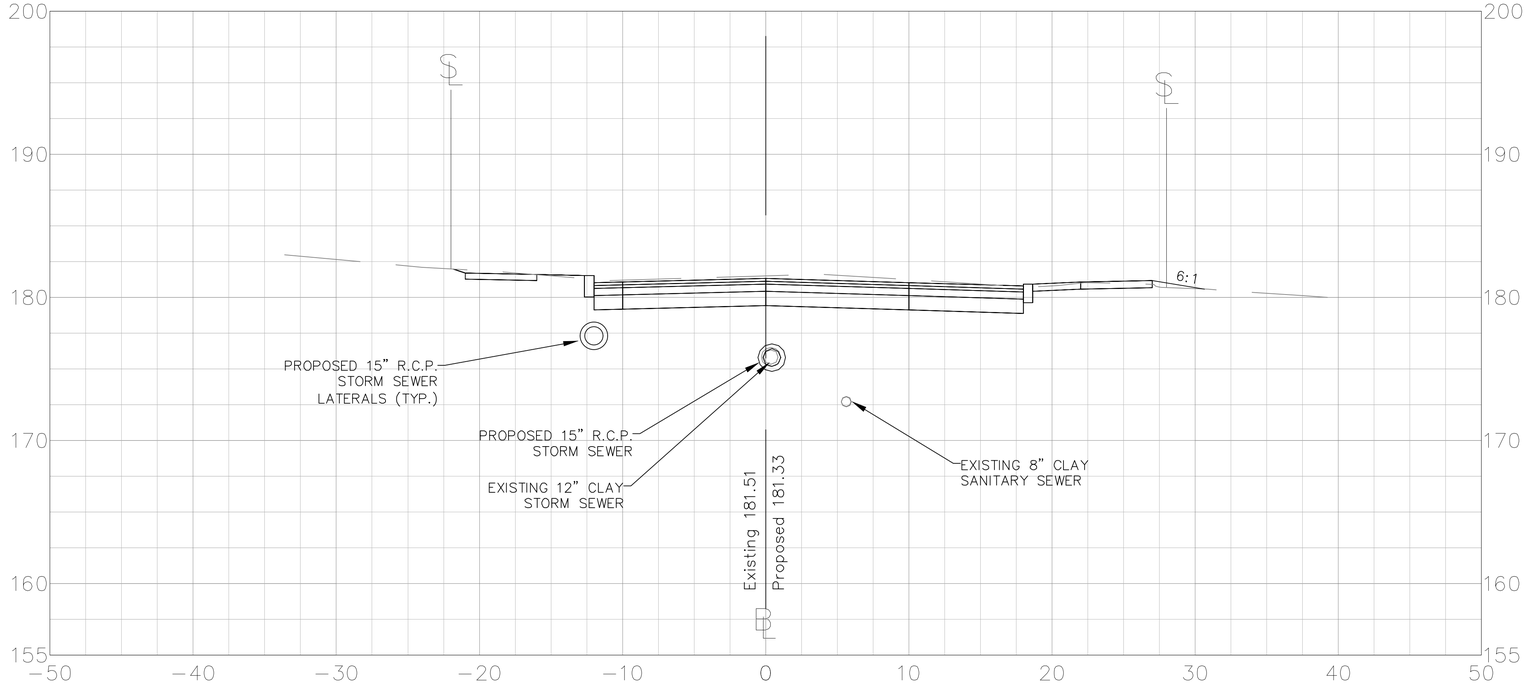
DESIGNED BY: C. POLKOWSKI
DRAWN BY: C. POLKOWSKI
CHECKED BY: R. TROTTIER
DATE: 8/4/16

HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

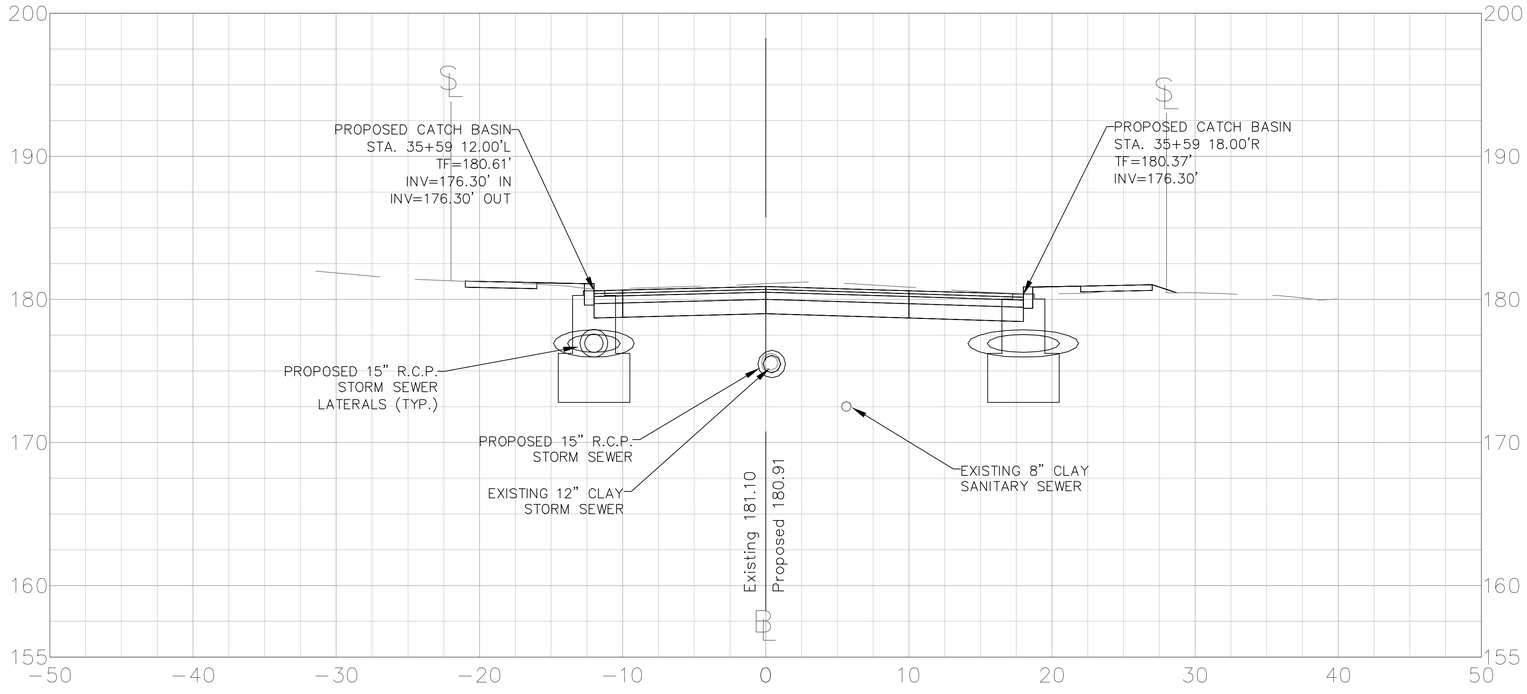
REV.	DATE	DESCRIPTION	BY	APP'D

SCALE: AS NOTED
JOB NO. 88-185
SUBSET 14.49

35+71.67



35+59.00



5 2.5 0 5 10 15

SCALE IN FEET
(1" = 5)

CROSS SECTIONS

HART STREET

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
DRAWN BY: C. POLKOWSKI
CHECKED BY: R. TROTTIER
DATE: 8/4/16

HART
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

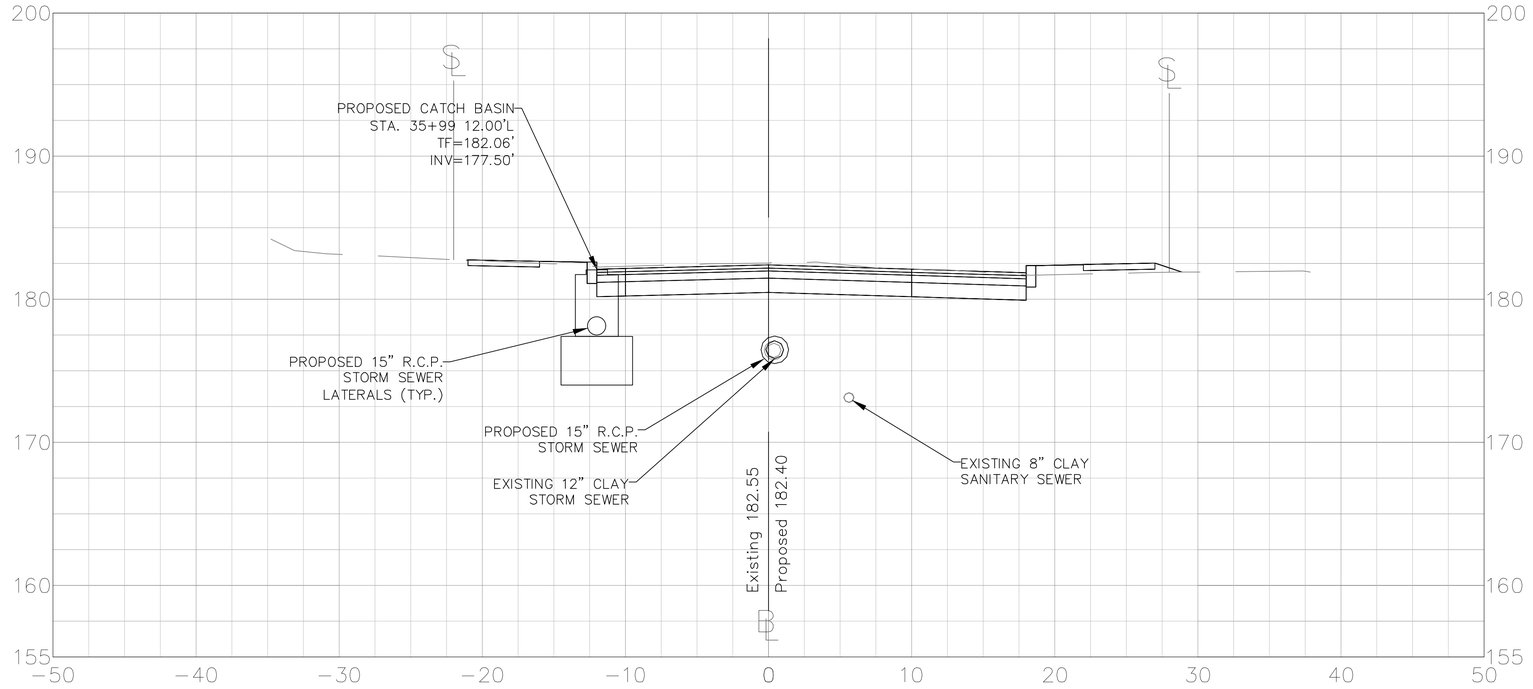
REV.	DATE	DESCRIPTION	BY	APP'D

SCALE: AS NOTED

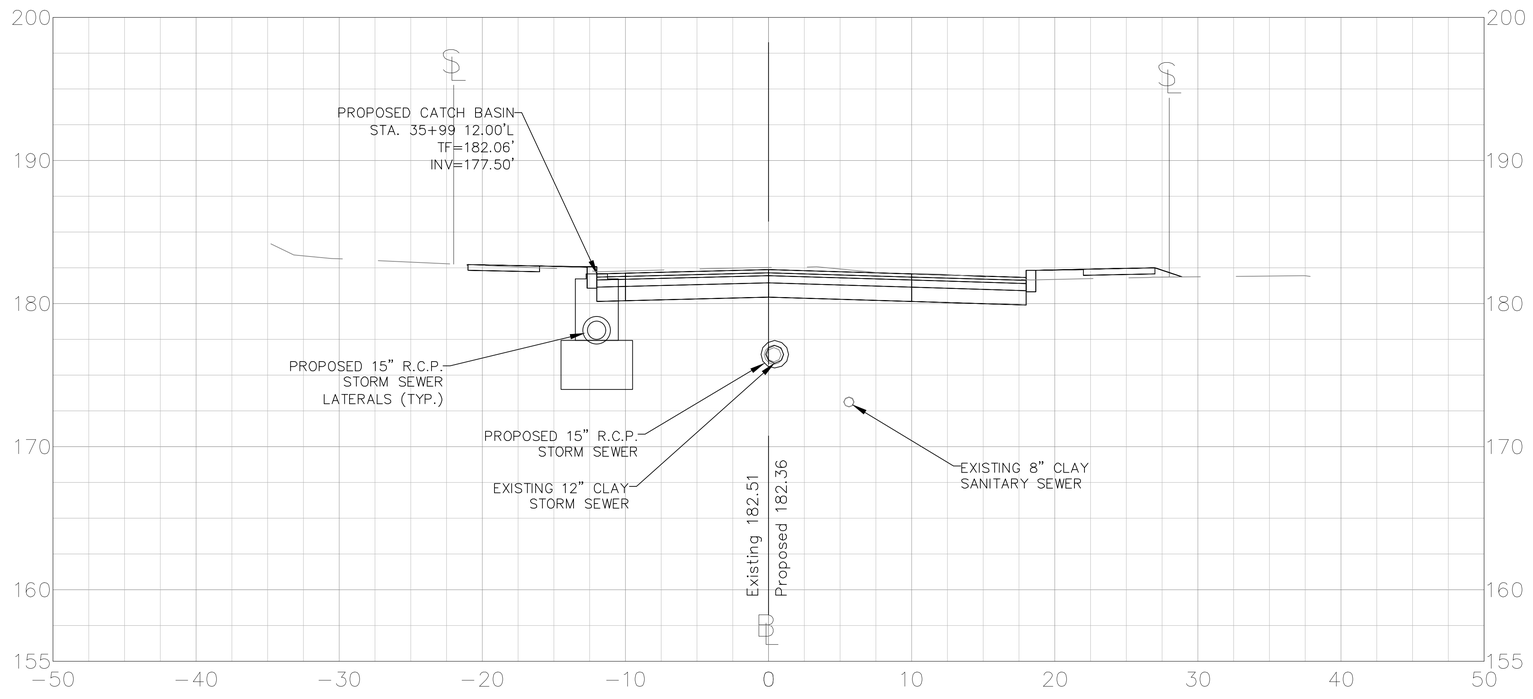
JOB NO. 88-185

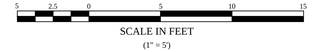
SUBSET 14.50

36+00.00



35+99.00





CROSS SECTIONS

HART STREET

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
DRAWN BY: C. POLKOWSKI
CHECKED BY: R. TROTTIER
DATE: 8/4/16

HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

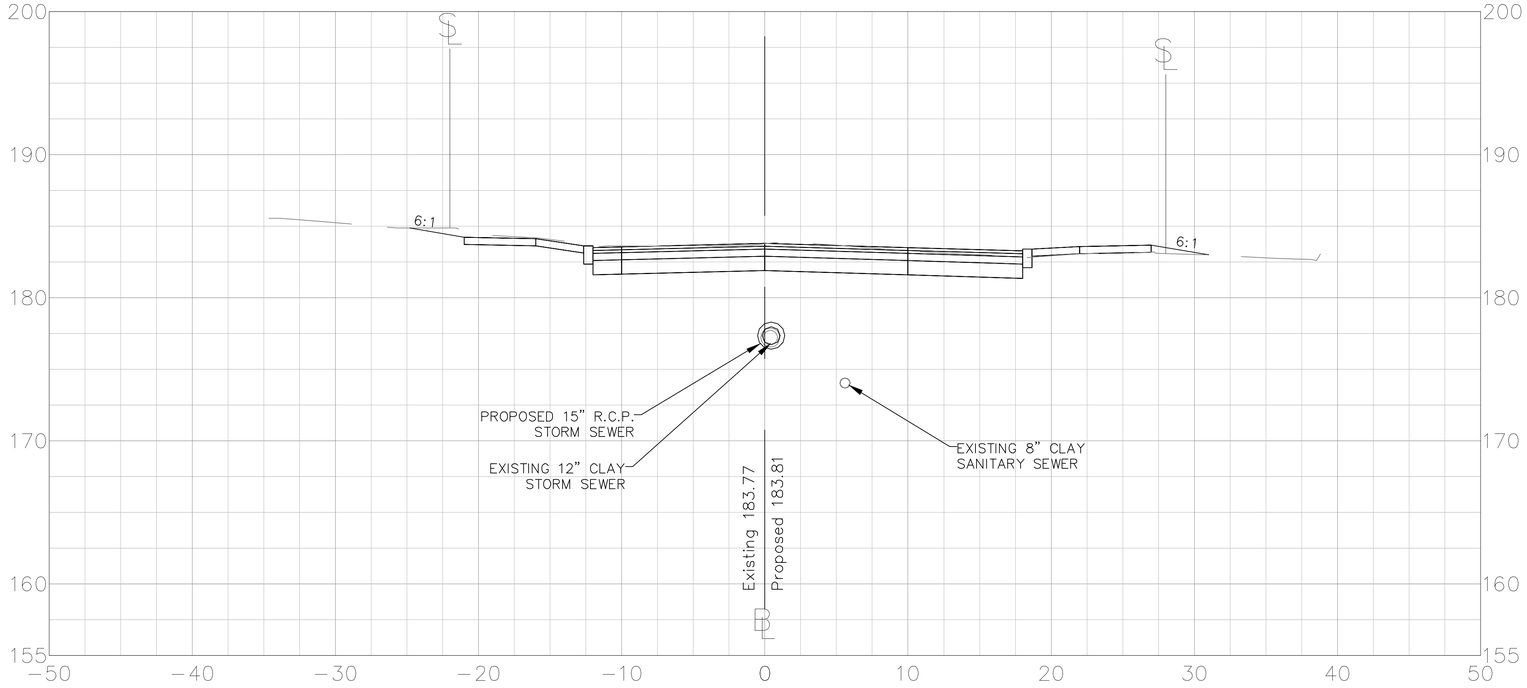
REV.	DATE	DESCRIPTION	BY	APP'D

SCALE: AS NOTED

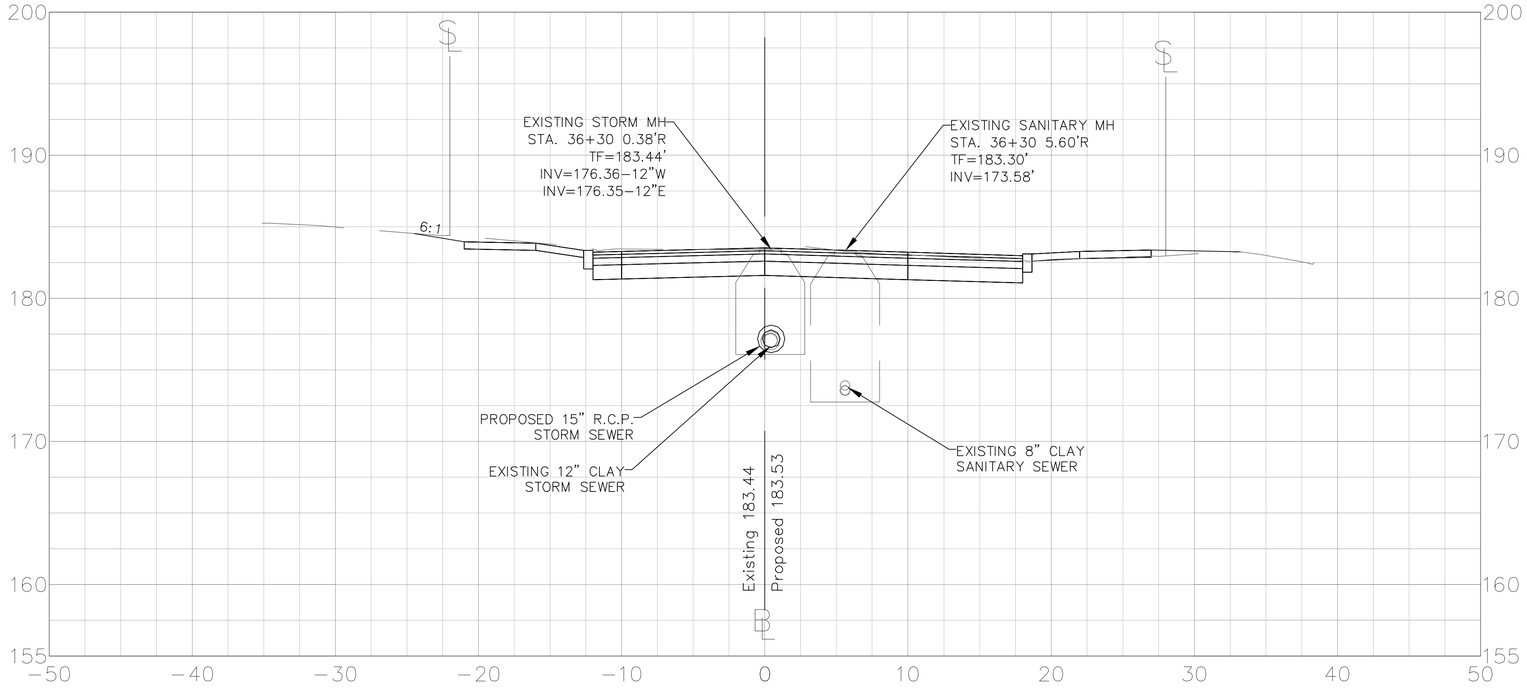
JOB NO. 88-185

SUBSET 14.51

36+36.12



36+28.93



SCALE IN FEET
(1" = 5)

CROSS SECTIONS

HART STREET

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
DRAWN BY: C. POLKOWSKI
CHECKED BY: R. TROTTIER
DATE: 8/4/16

HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

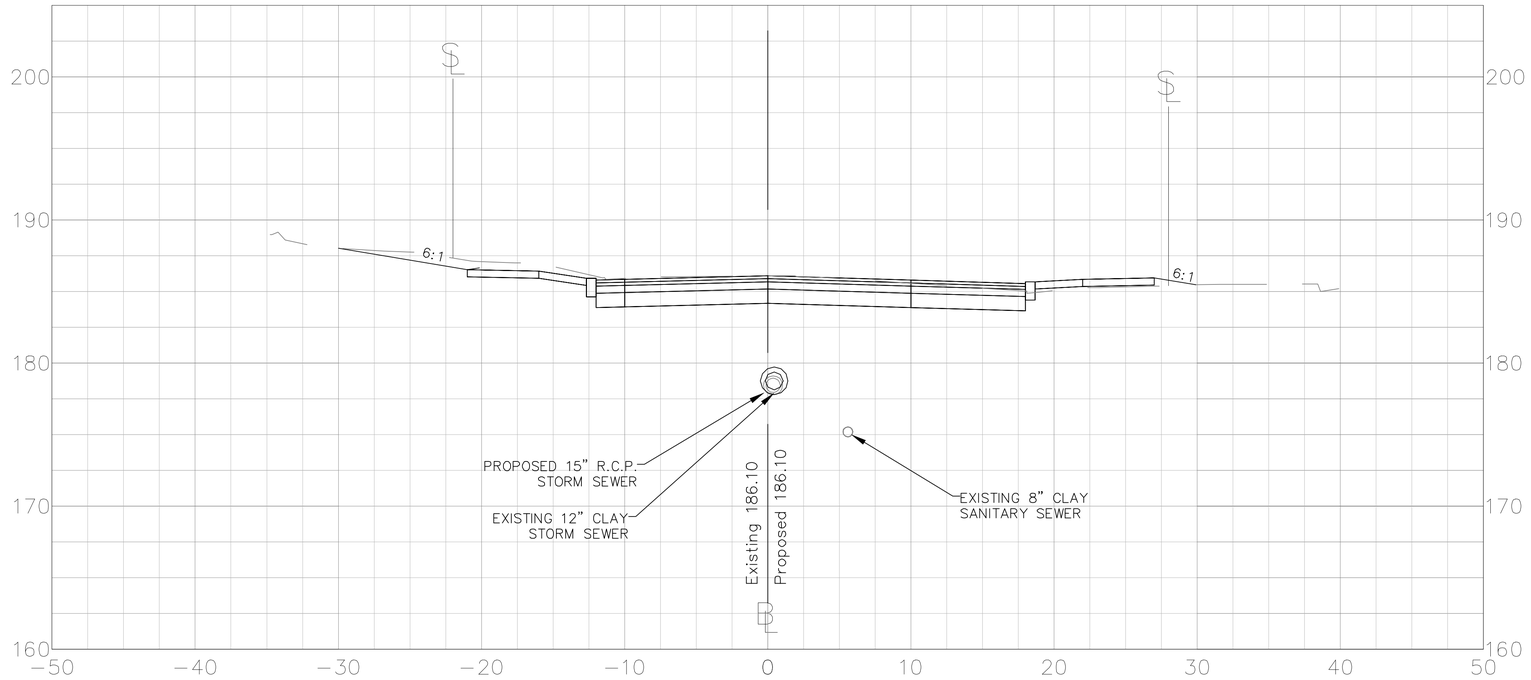
REV.	DATE	DESCRIPTION	BY	APP'D

SCALE: AS NOTED

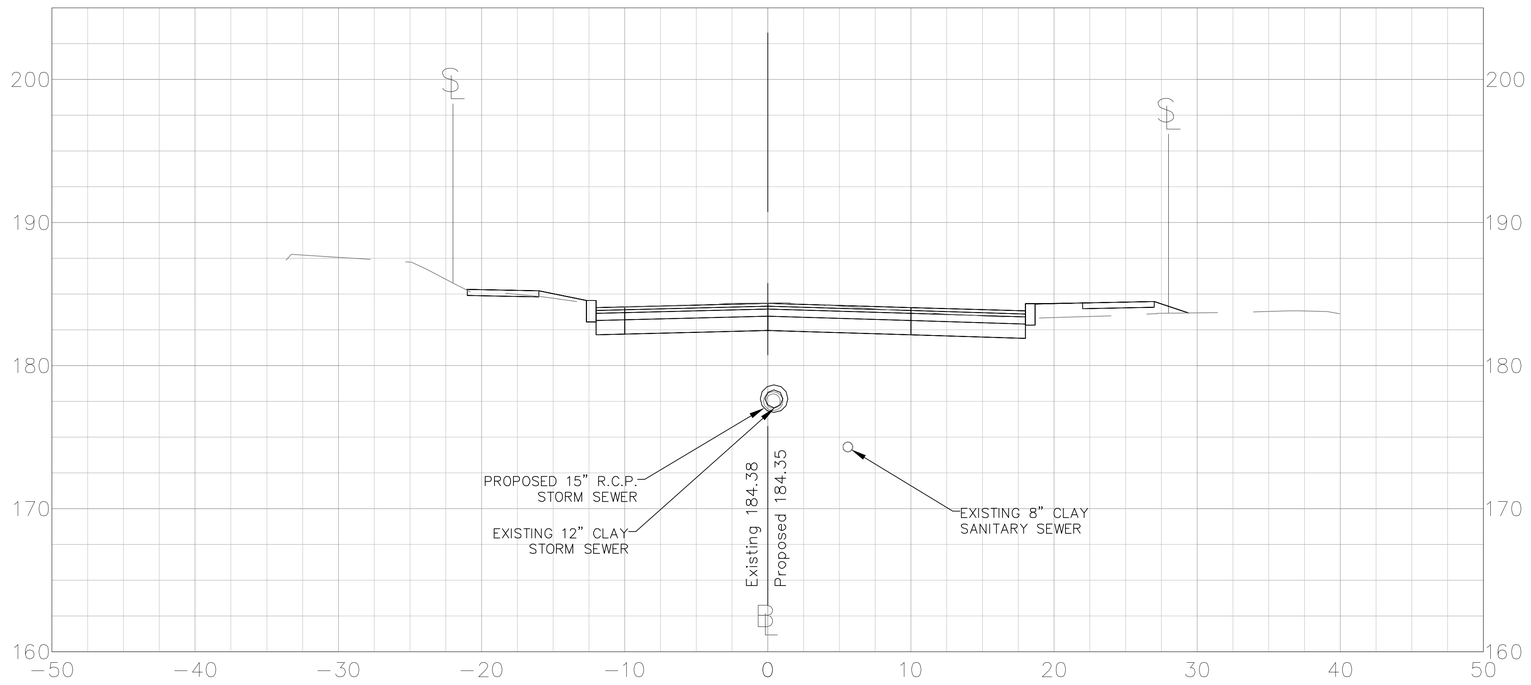
JOB NO. 88-185

SUBSET 14.52

36+94.72



36+50.00



5 2.5 0 5 10 15
SCALE IN FEET
(1" = 5)

CROSS SECTIONS
HART STREET

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

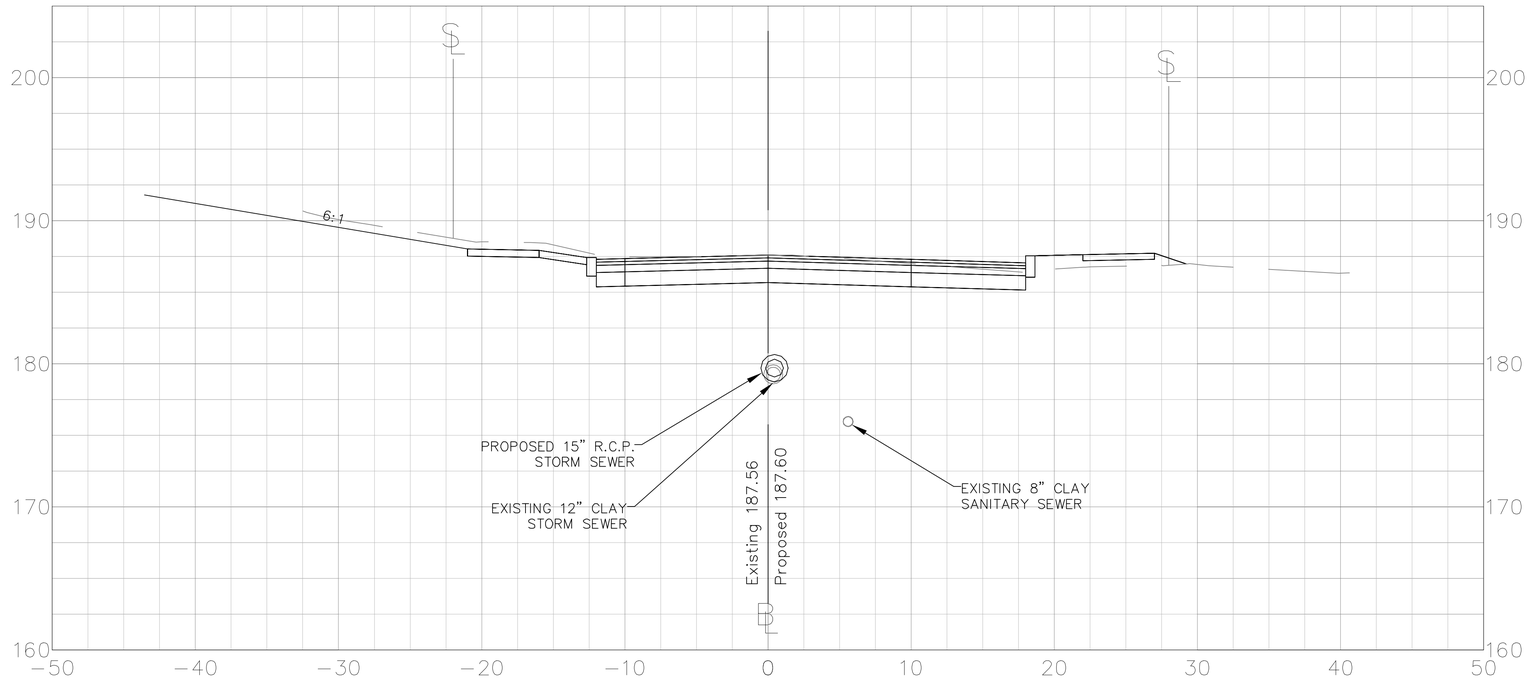
DESIGNED BY: C. POLKOWSKI
DRAWN BY: C. POLKOWSKI
CHECKED BY: R. TROTTIER
DATE: 8/4/16

HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

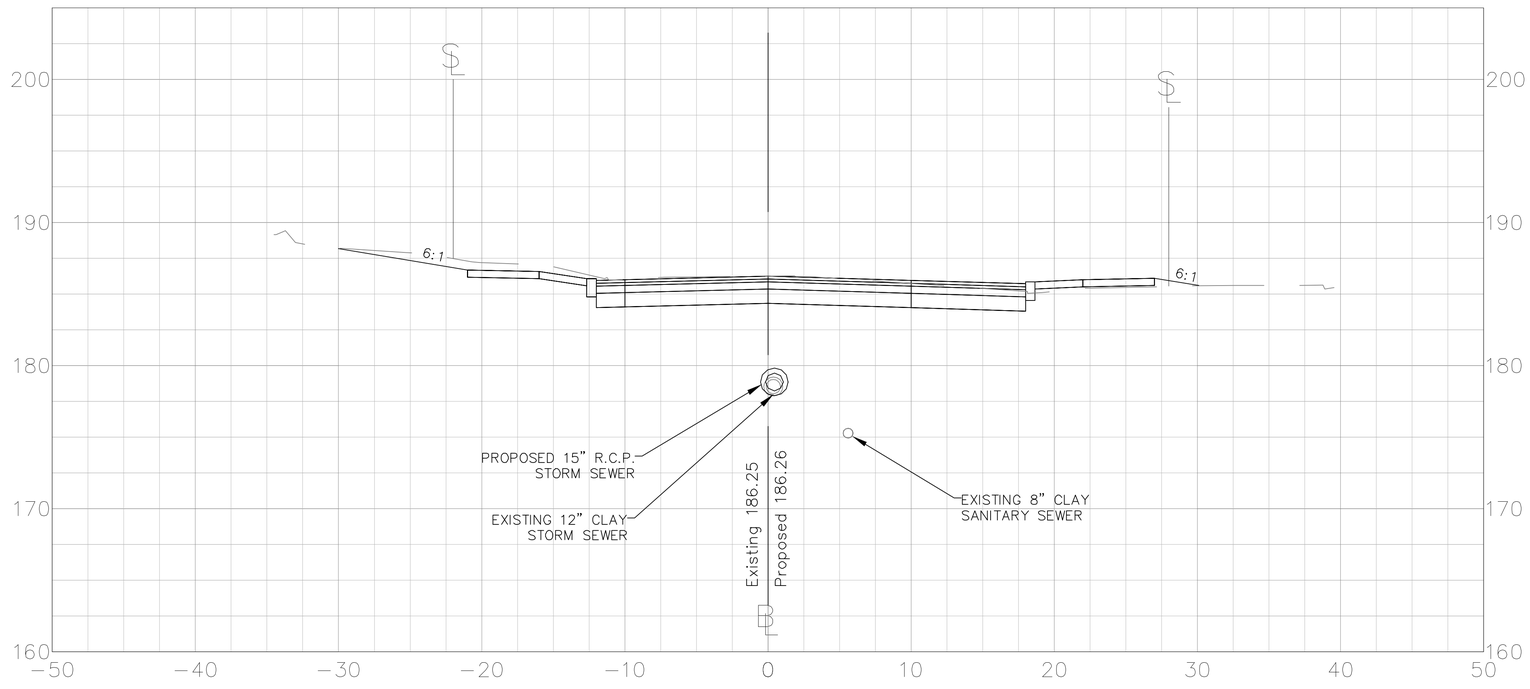
REV.	DATE	DESCRIPTION	BY	APP'D

SCALE: AS NOTED
JOB NO. 88-185
SUBSET 14.53

37+32.86



36+98.76



5 2.5 0 5 10 15
SCALE IN FEET
(1" = 5')

CROSS SECTIONS
HART STREET

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

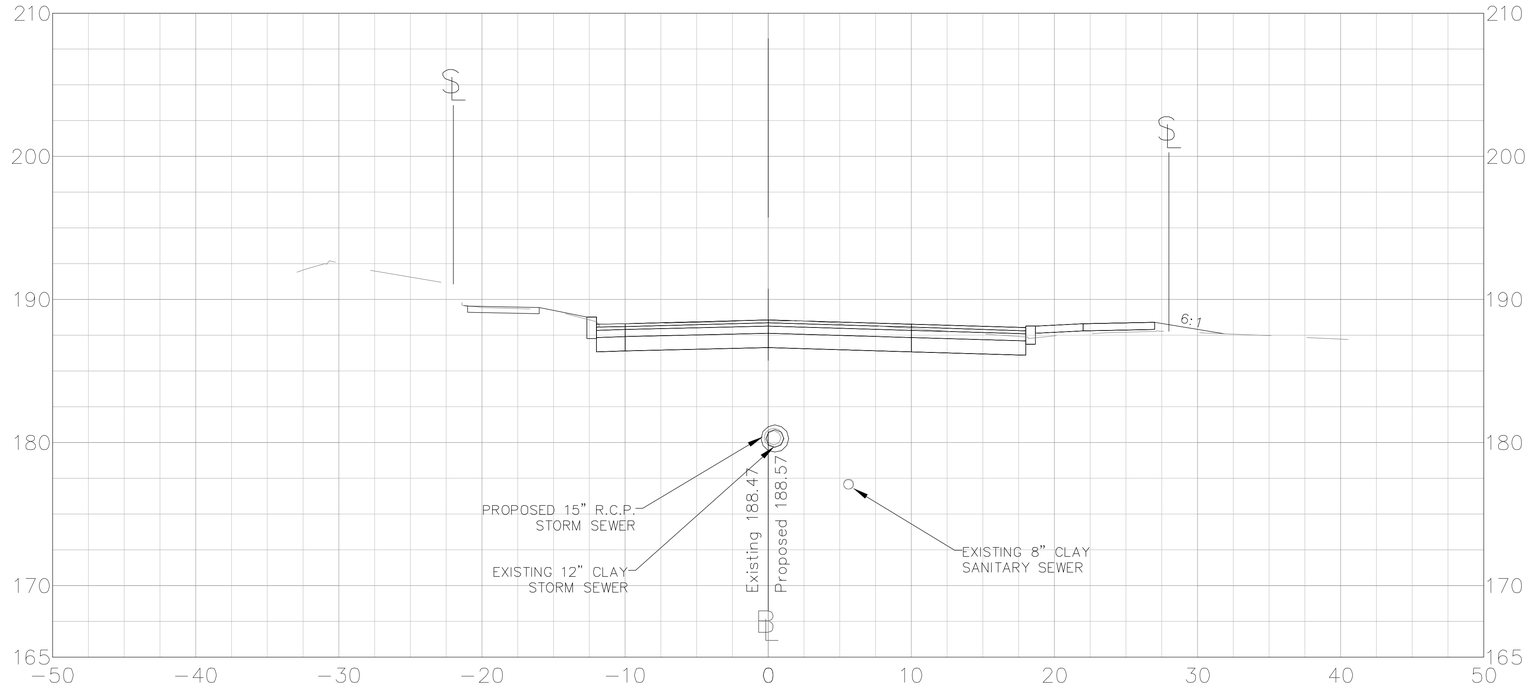
DESIGNED BY: C. POLKOWSKI
DRAWN BY: C. POLKOWSKI
CHECKED BY: R. TROTTIER
DATE: 8/4/16

HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

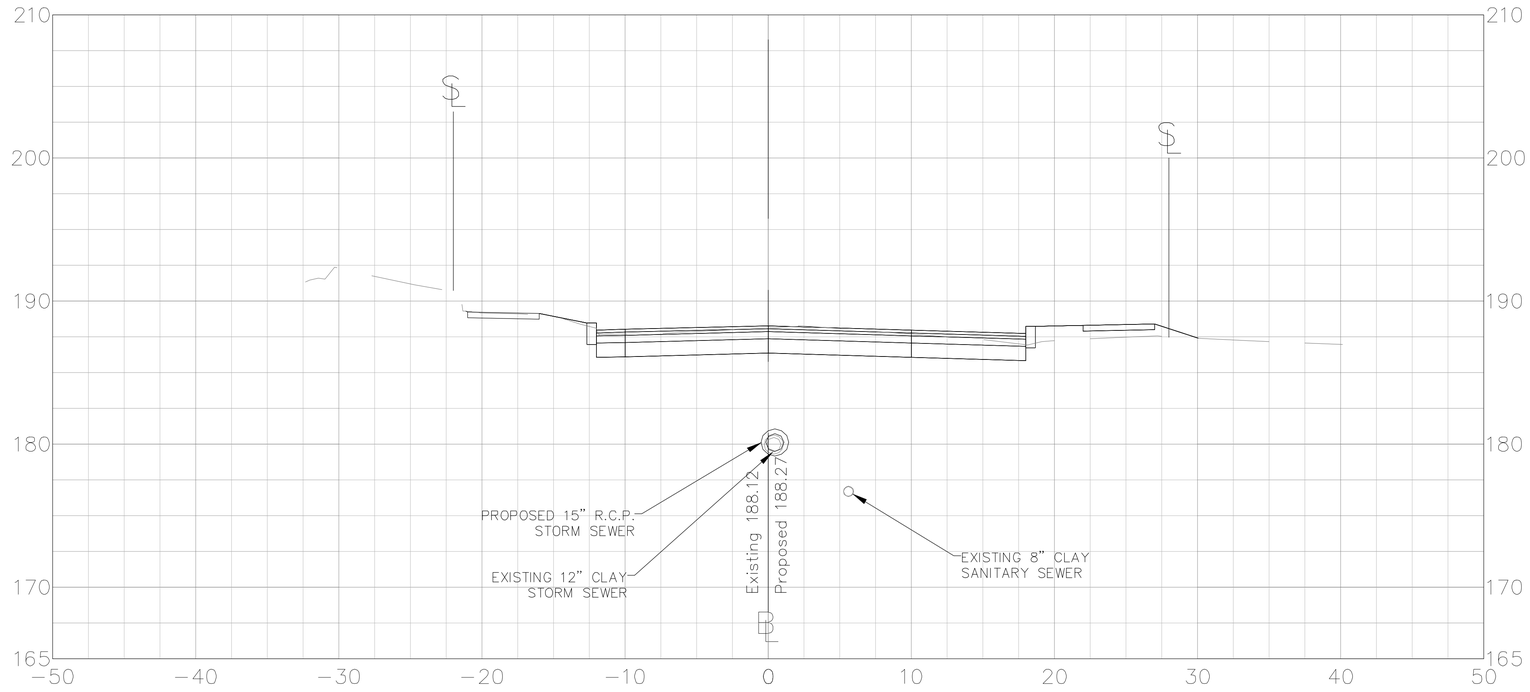
REV.	DATE	DESCRIPTION	BY	APP'D

SCALE: AS NOTED
JOB NO. 88-185
SUBSET 14.54

37+57.88



37+50.00



5 2.5 0 5 10 15

SCALE IN FEET
(1" = 5')

CROSS SECTIONS

HART STREET

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
DRAWN BY: C. POLKOWSKI
CHECKED BY: R. TROTTIER
DATE: 8/4/16

HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

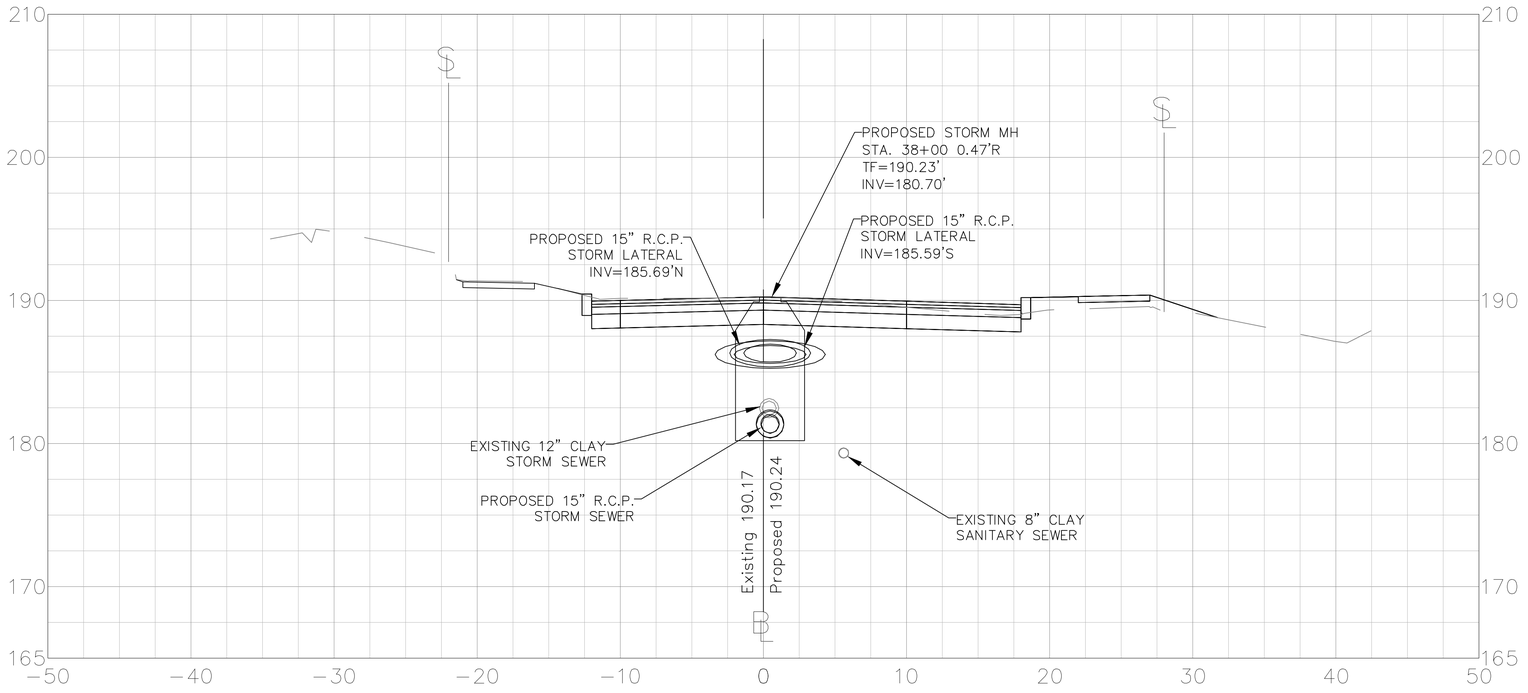
REV.	DATE	DESCRIPTION	BY	APP'D

SCALE: AS NOTED

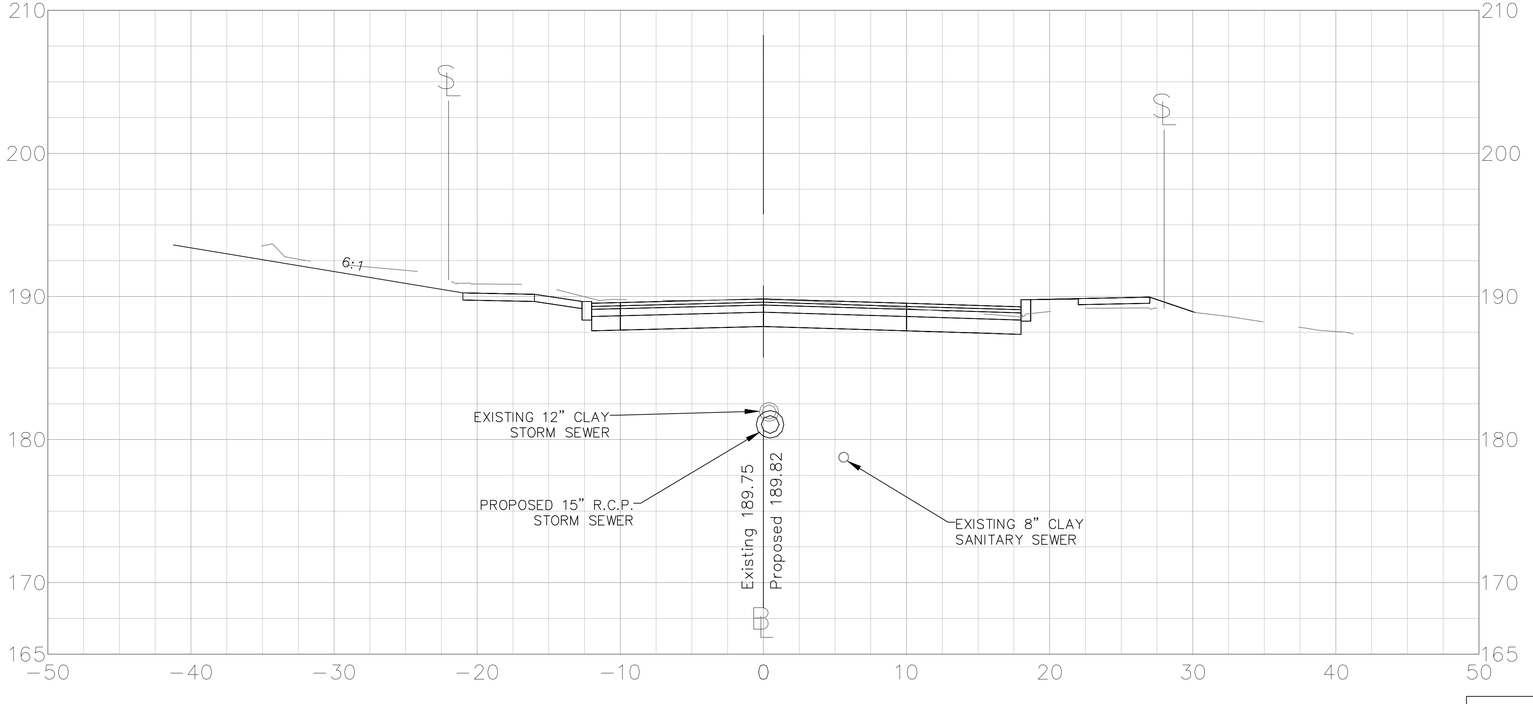
JOB NO. 88-185

SUBSET 14.55

38+00.50



37+89.66





CROSS SECTIONS

HART STREET

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
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CHECKED BY: R. TROTTIER
DATE: 8/4/16

HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

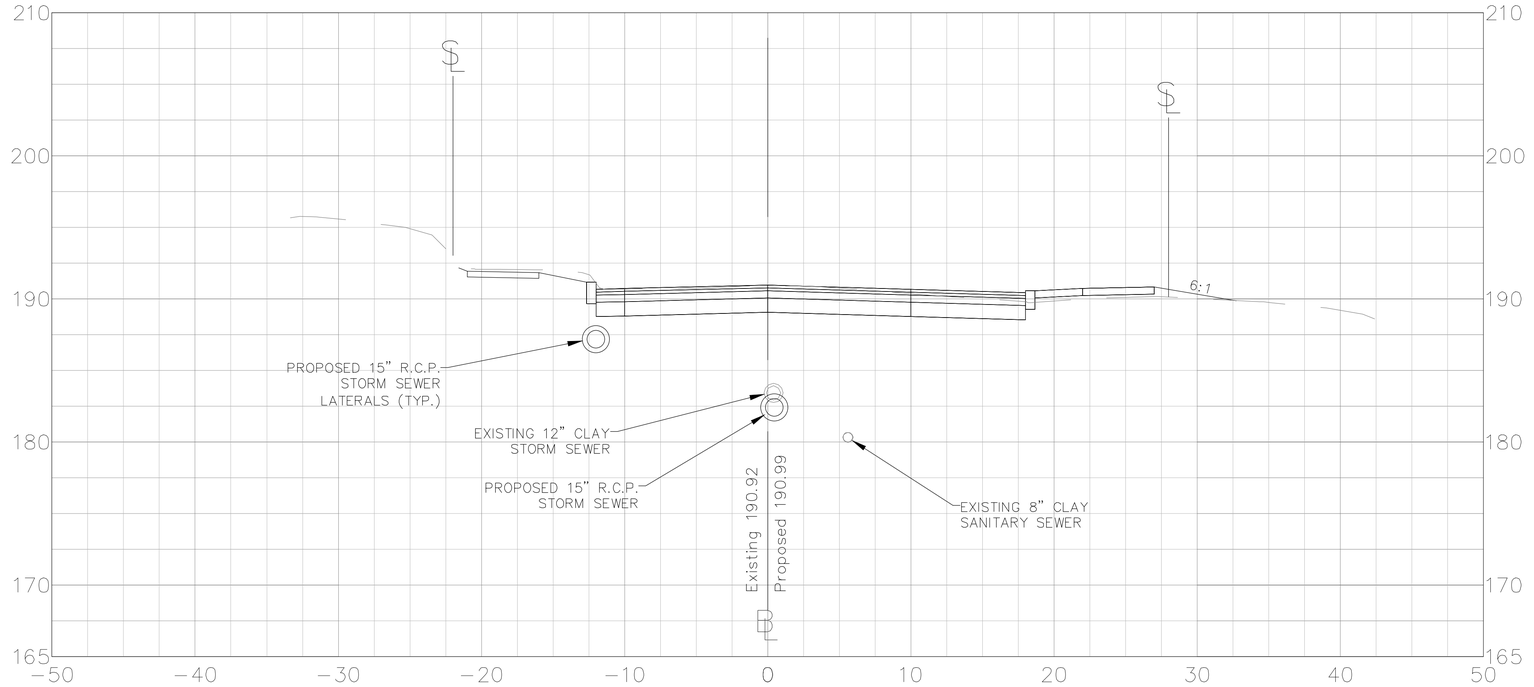
REV.	DATE	DESCRIPTION	BY	APP'D

SCALE: AS NOTED

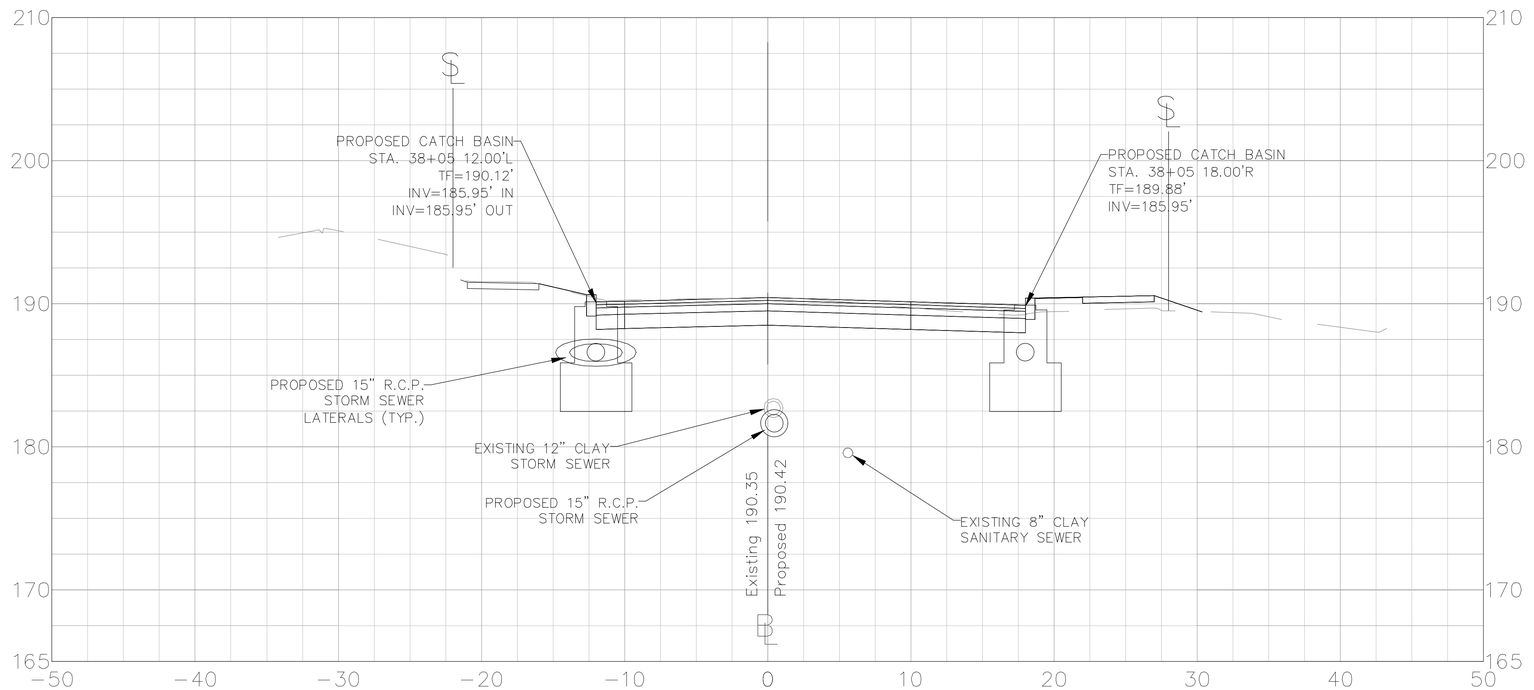
JOB NO. 88-185

SUBSET 14.56

38+19.60



38+05.00



5 2.5 0 5 10 15
SCALE IN FEET
(1" = 5')

CROSS SECTIONS

HART STREET

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
DRAWN BY: C. POLKOWSKI
CHECKED BY: R. TROTTIER
DATE: 8/4/16

HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

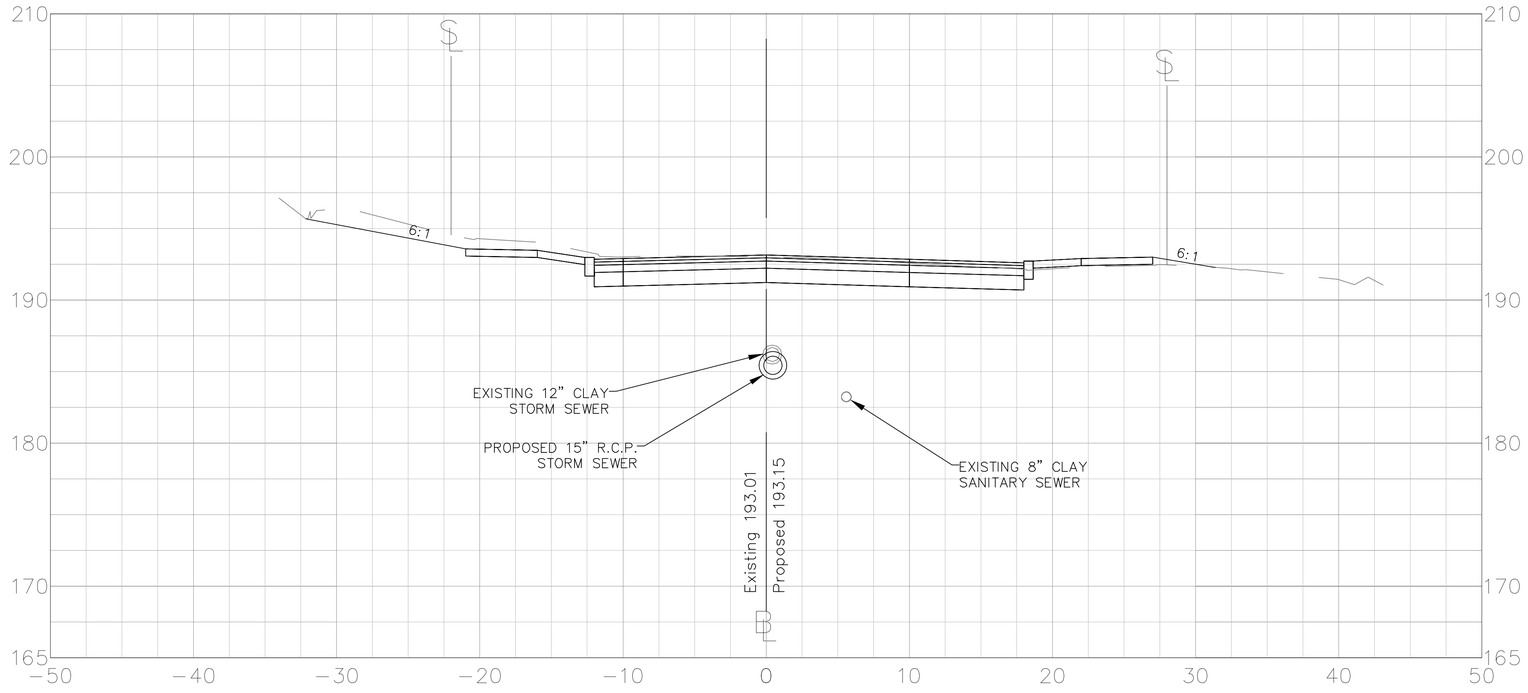
REV.	DATE	DESCRIPTION	BY	APP'D

SCALE: AS NOTED

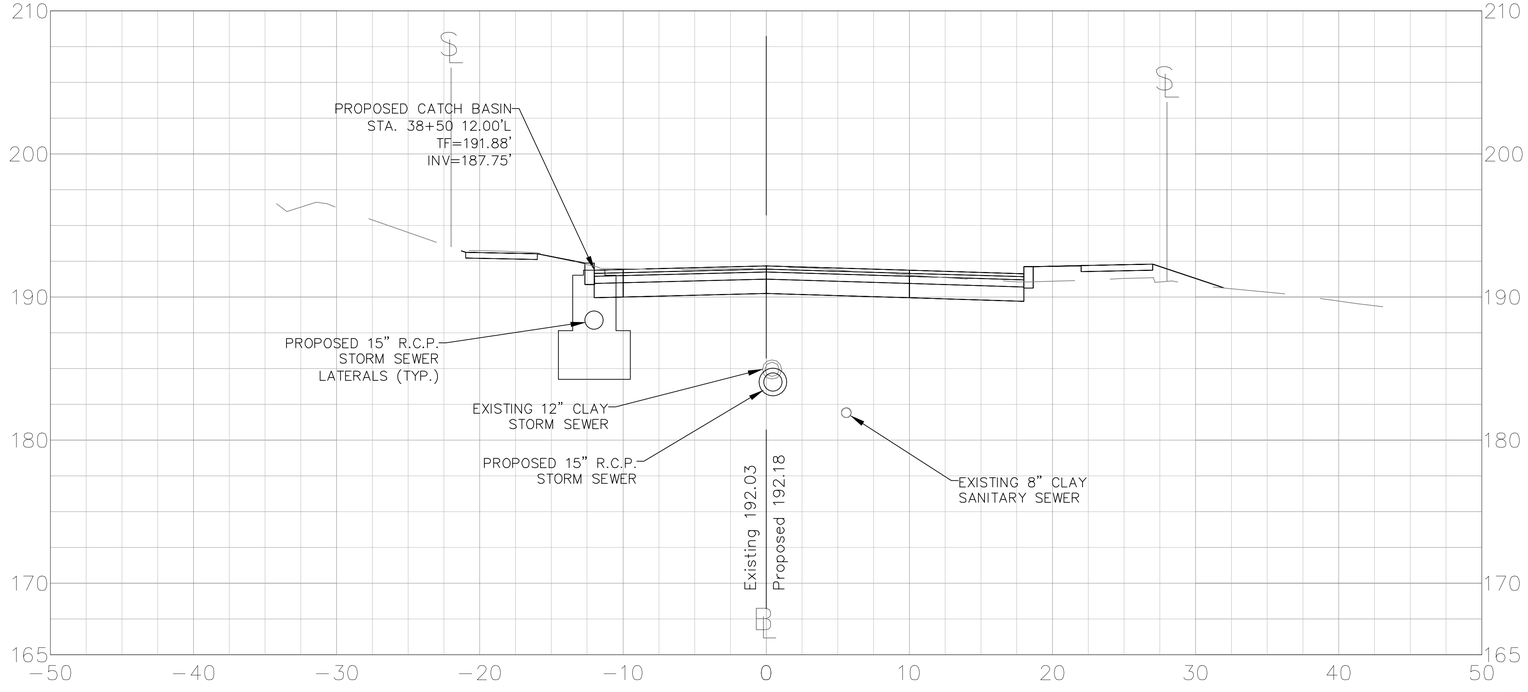
JOB NO. 88-185

SUBSET 14.57

38+74.87



38+50.00



5 2.5 0 5 10 15
SCALE IN FEET
(1" = 5')

CROSS SECTIONS

HART STREET

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
DRAWN BY: C. POLKOWSKI
CHECKED BY: R. TROTTIER
DATE: 8/4/16

HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

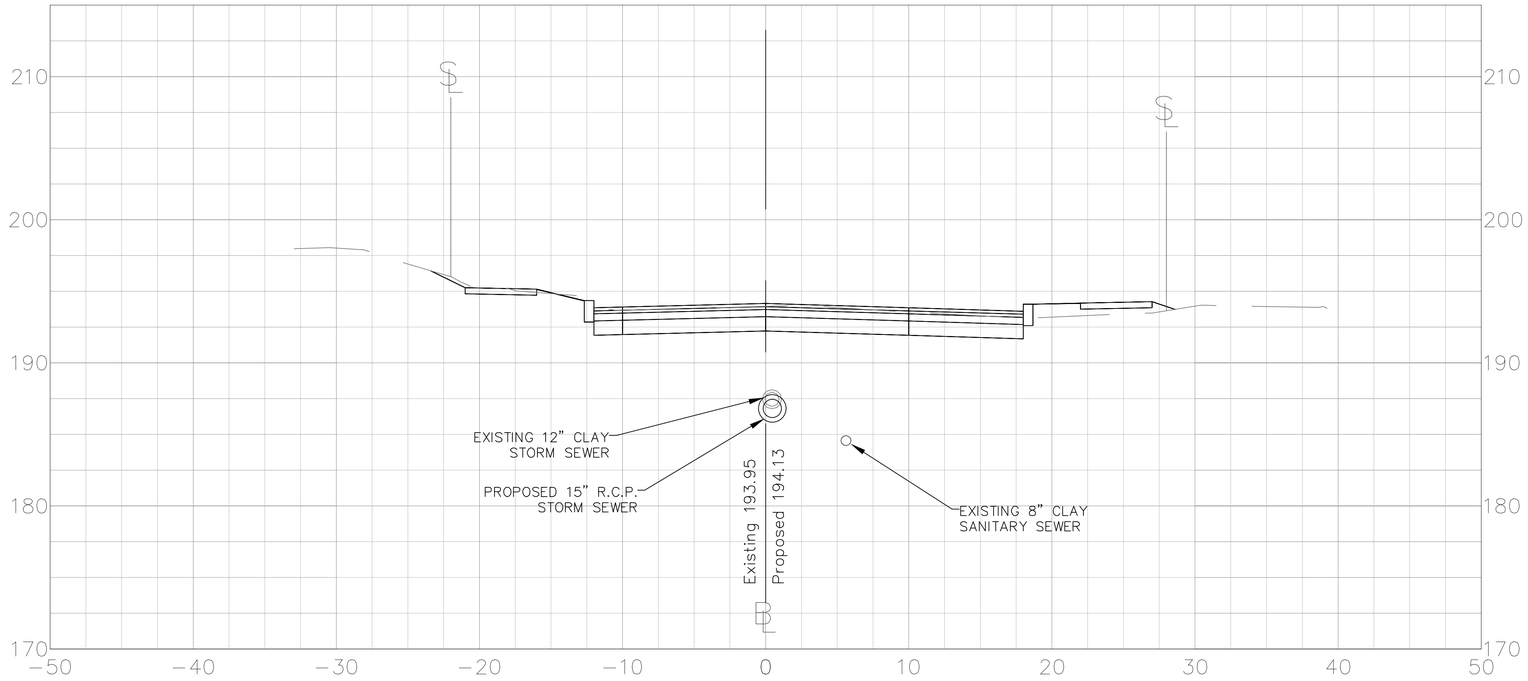
REV.	DATE	DESCRIPTION	BY	APP'D

SCALE: AS NOTED

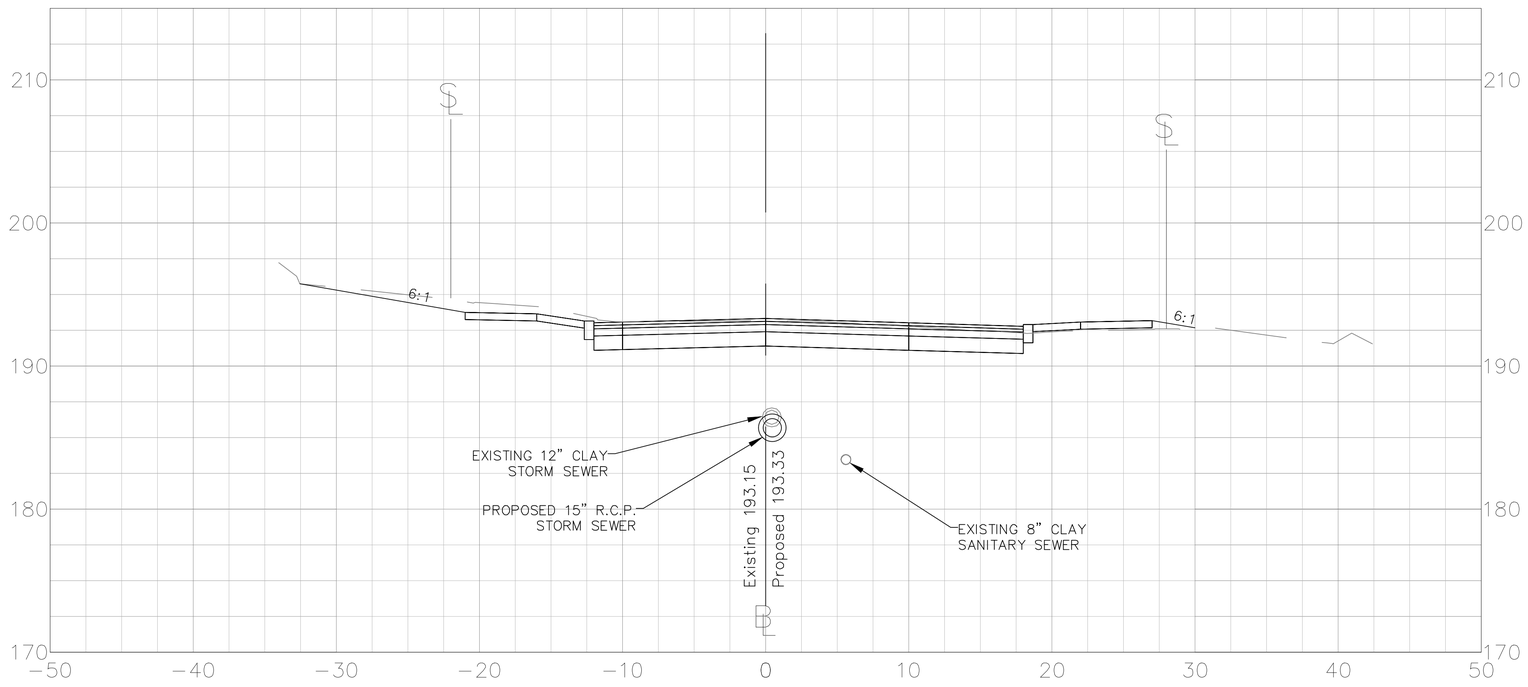
JOB NO. 88-185

SUBSET 14.58

39+00.00



38+79.35



SCALE IN FEET
(1" = 5)

CROSS SECTIONS

HART STREET

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
DRAWN BY: C. POLKOWSKI
CHECKED BY: R. TROTTIER
DATE: 8/4/16

HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

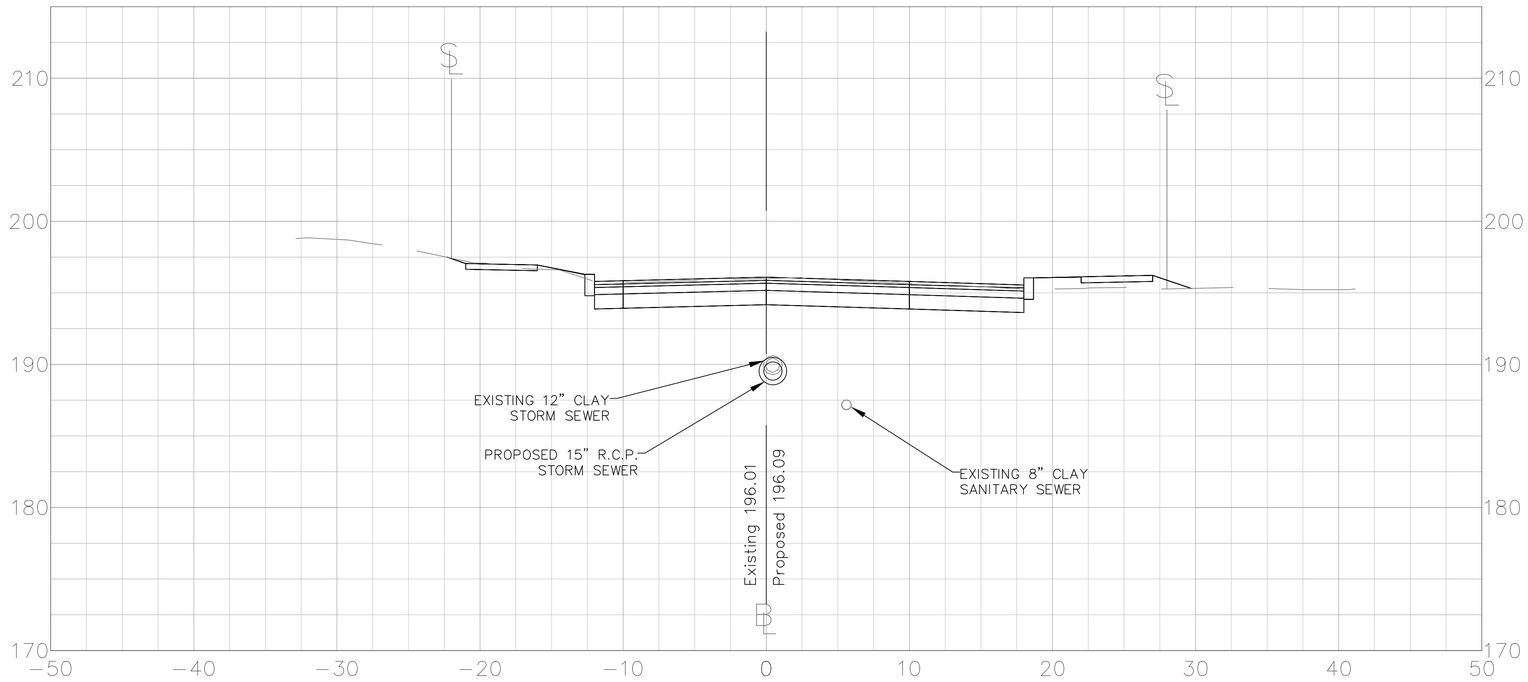
REV.	DATE	DESCRIPTION	BY	APP'D

SCALE: AS NOTED

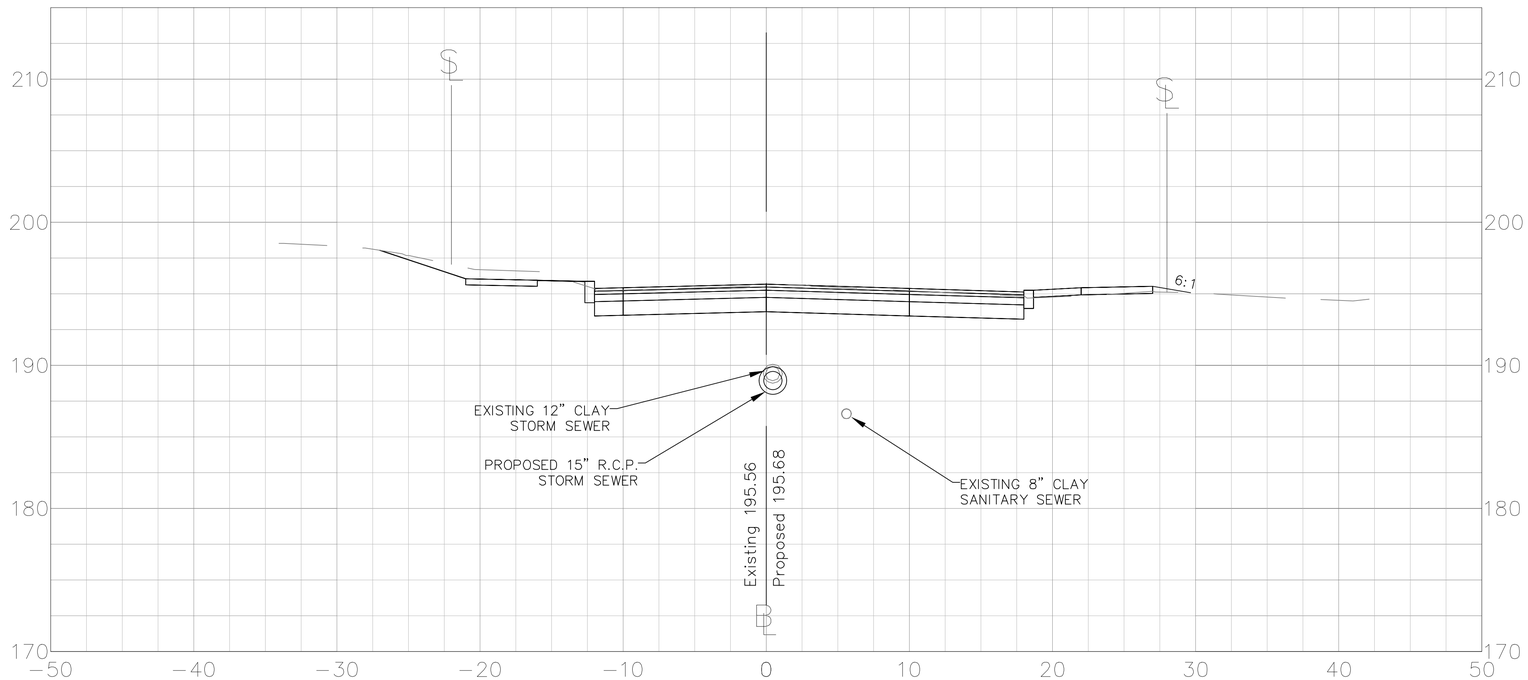
JOB NO. 88-185

SUBSET 14.59

39+50.00



39+39.39



5 2.5 0 5 10 15
SCALE IN FEET
(1" = 5')

CROSS SECTIONS
HART STREET

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
DRAWN BY: C. POLKOWSKI
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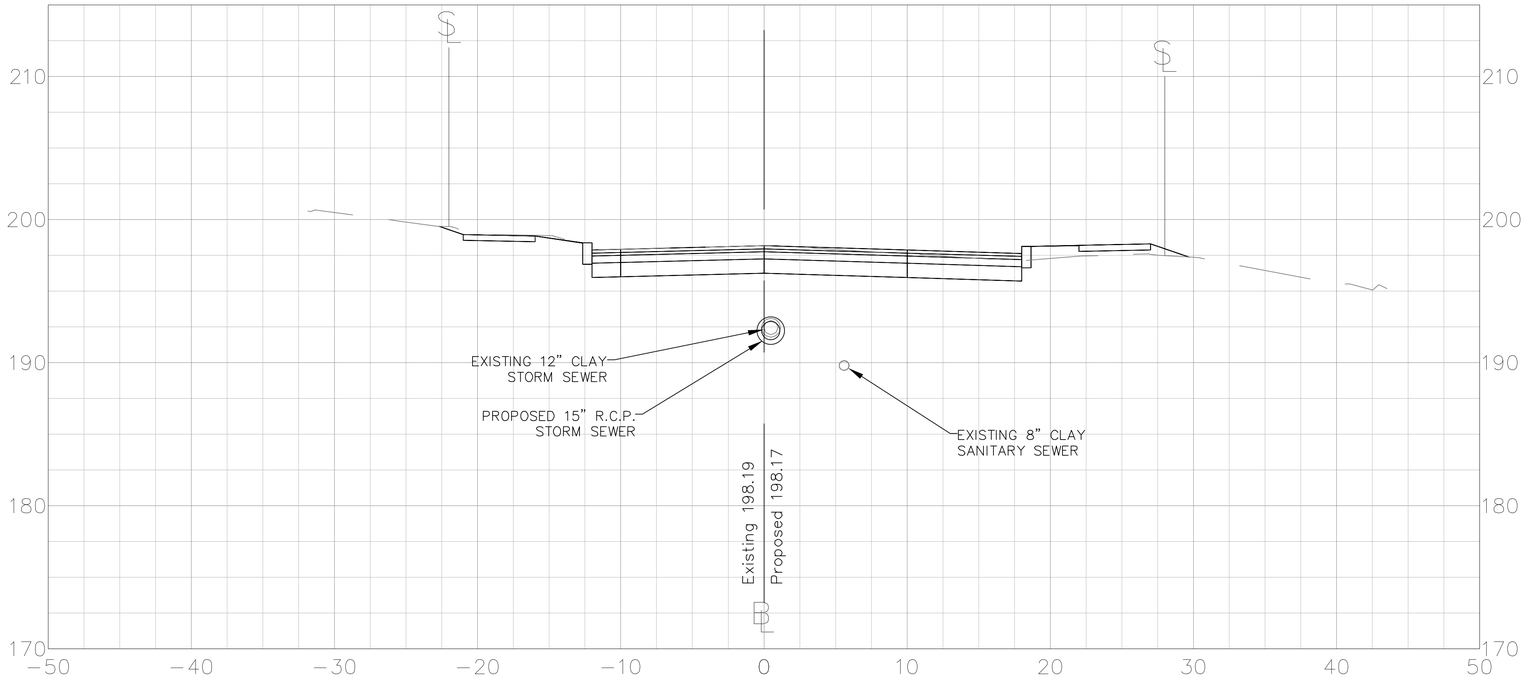
DATE: 8/4/16

HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

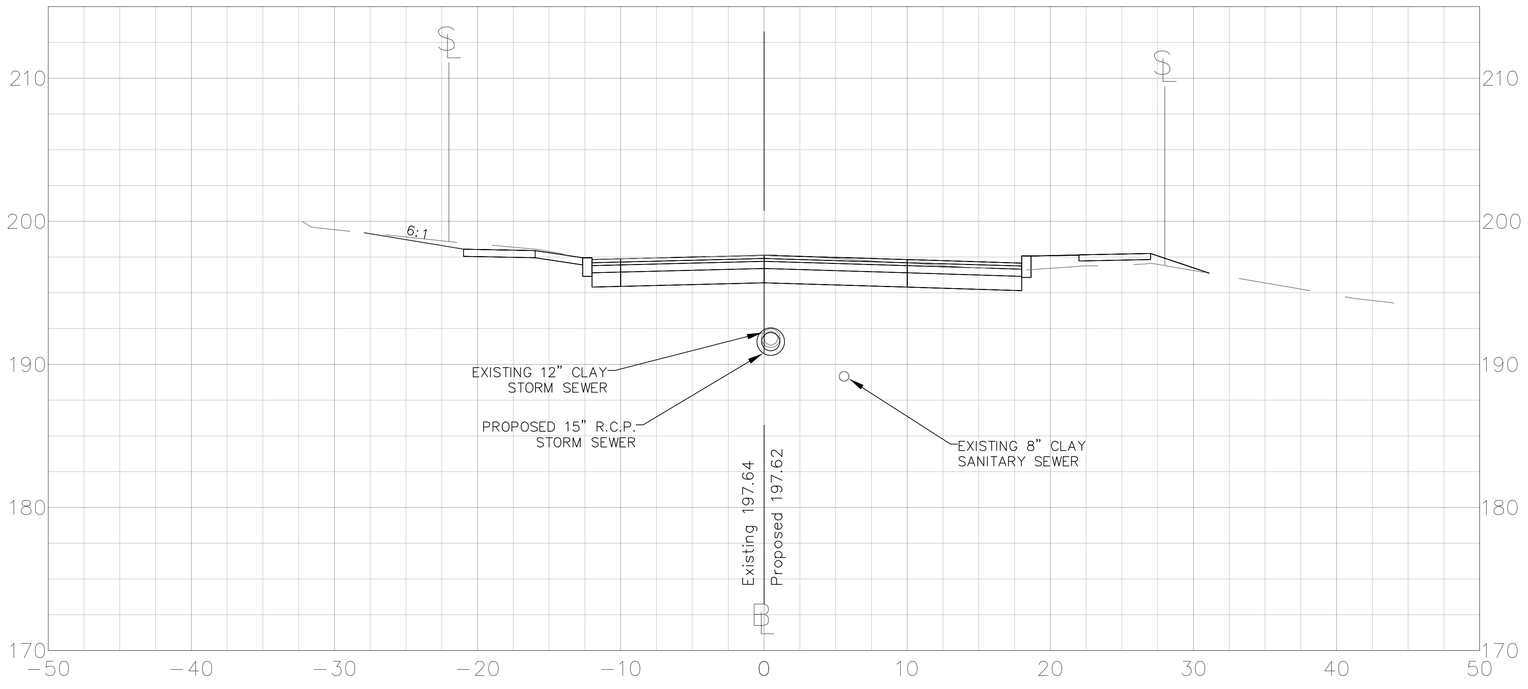
REV.	DATE	DESCRIPTION	BY	APP'D

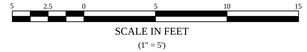
SCALE: AS NOTED
JOB NO. 88-185
SUBSET 14.60

40+00.00



39+87.73





CROSS SECTIONS

HART STREET

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
DRAWN BY: C. POLKOWSKI
CHECKED BY: R. TROTTIER
DATE: 8/4/16

HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

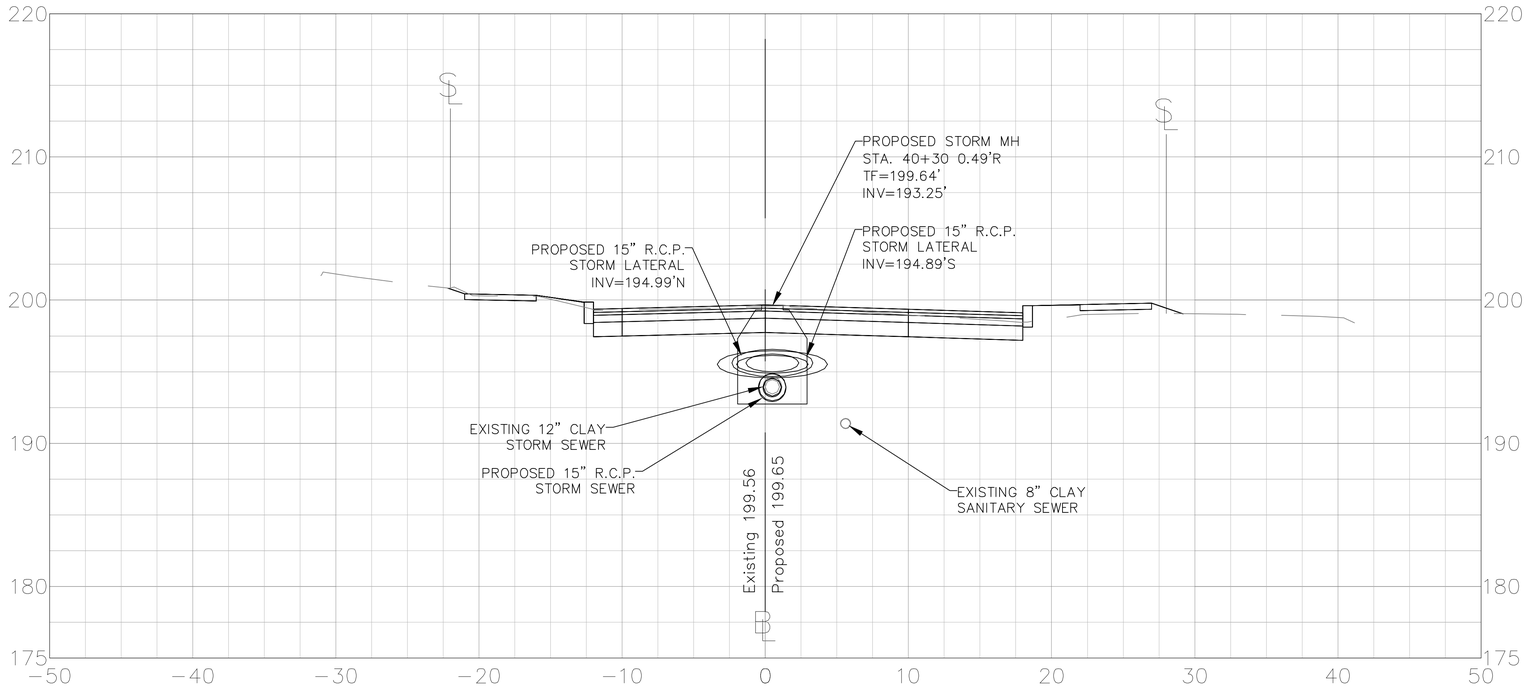
REV.	DATE	DESCRIPTION	BY	APP'D

SCALE: AS NOTED

JOB NO. 88-185

SUBSET 14.61

40+30.00



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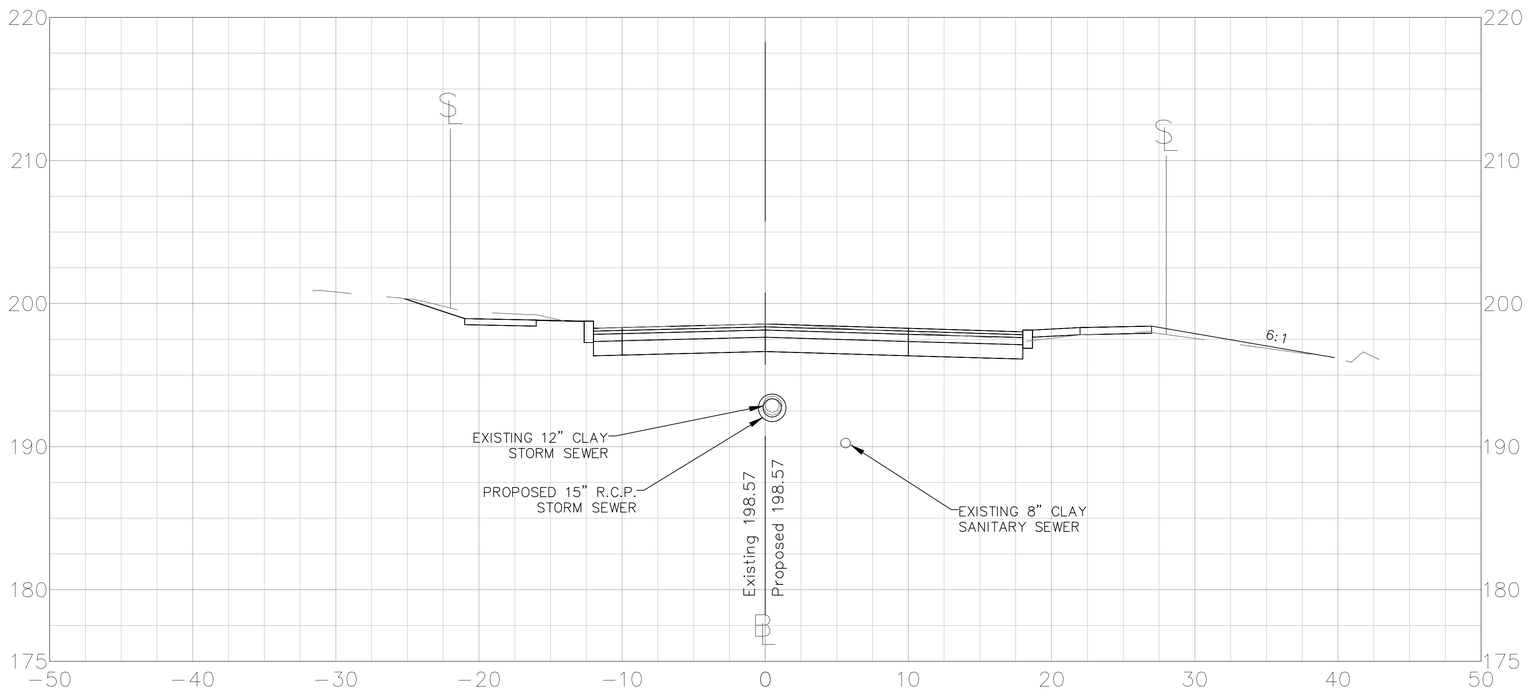

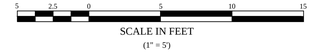

CROSS SECTIONS

HART STREET

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
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HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

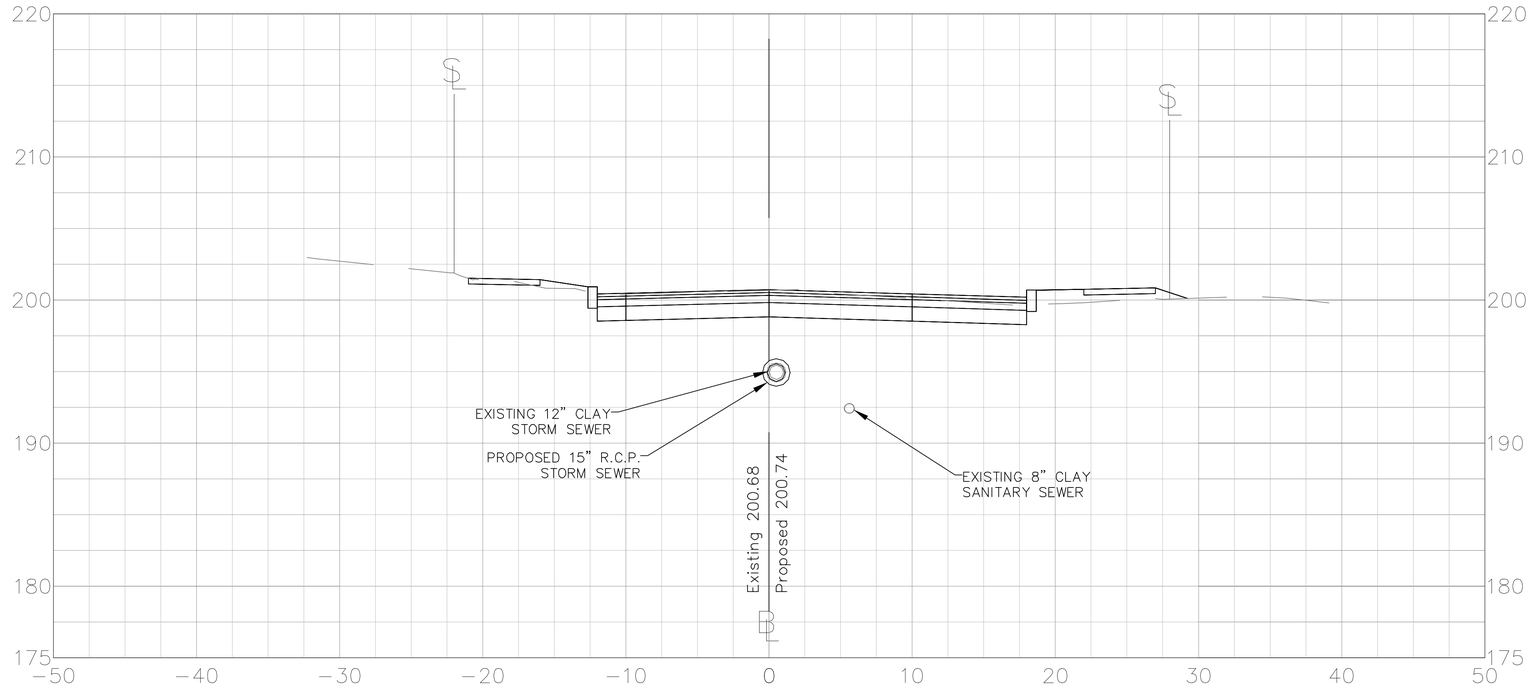
REV.	DATE	DESCRIPTION	BY	APP'D

SCALE: AS NOTED

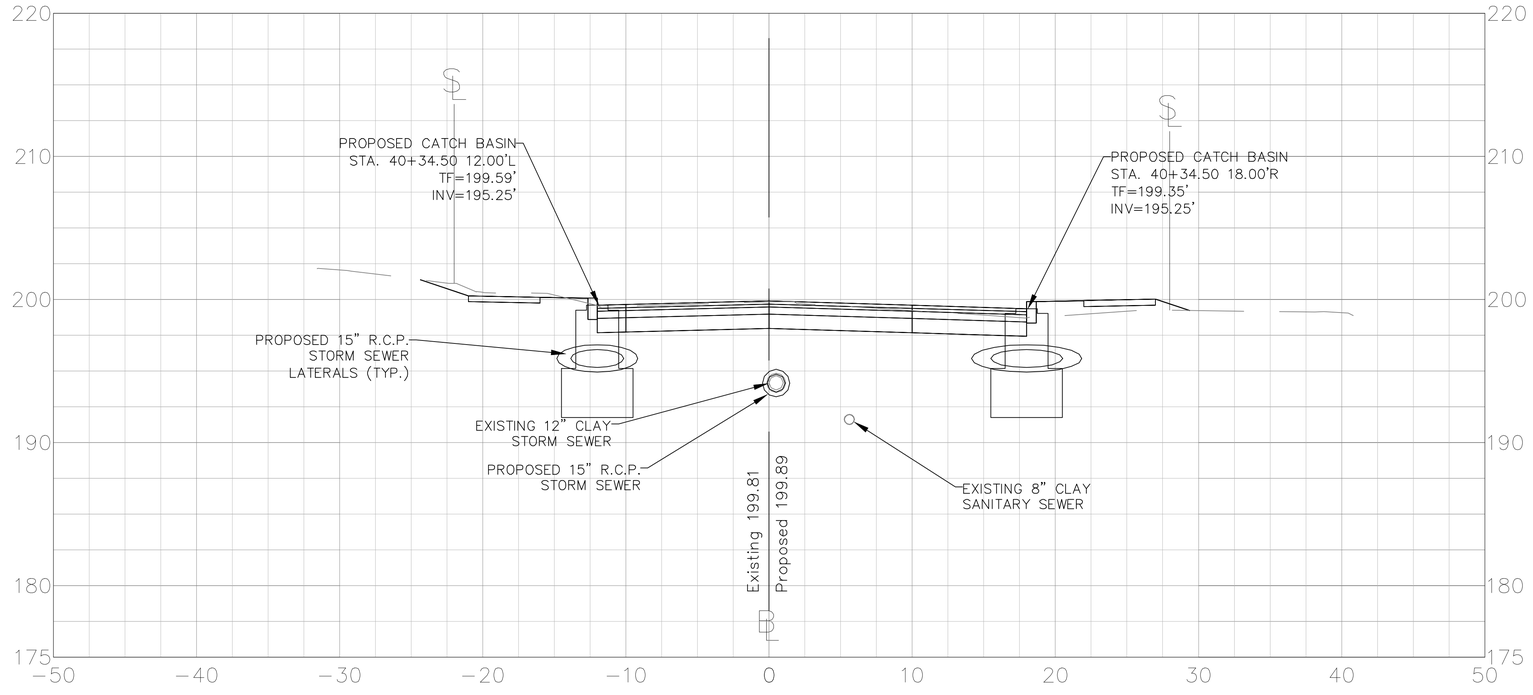
JOB NO. 88-185

SUBSET 14.62

40+50.00



40+34.50





CROSS SECTIONS

HART STREET

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
DRAWN BY: C. POLKOWSKI
CHECKED BY: R. TROTTIER
DATE: 8/4/16

HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

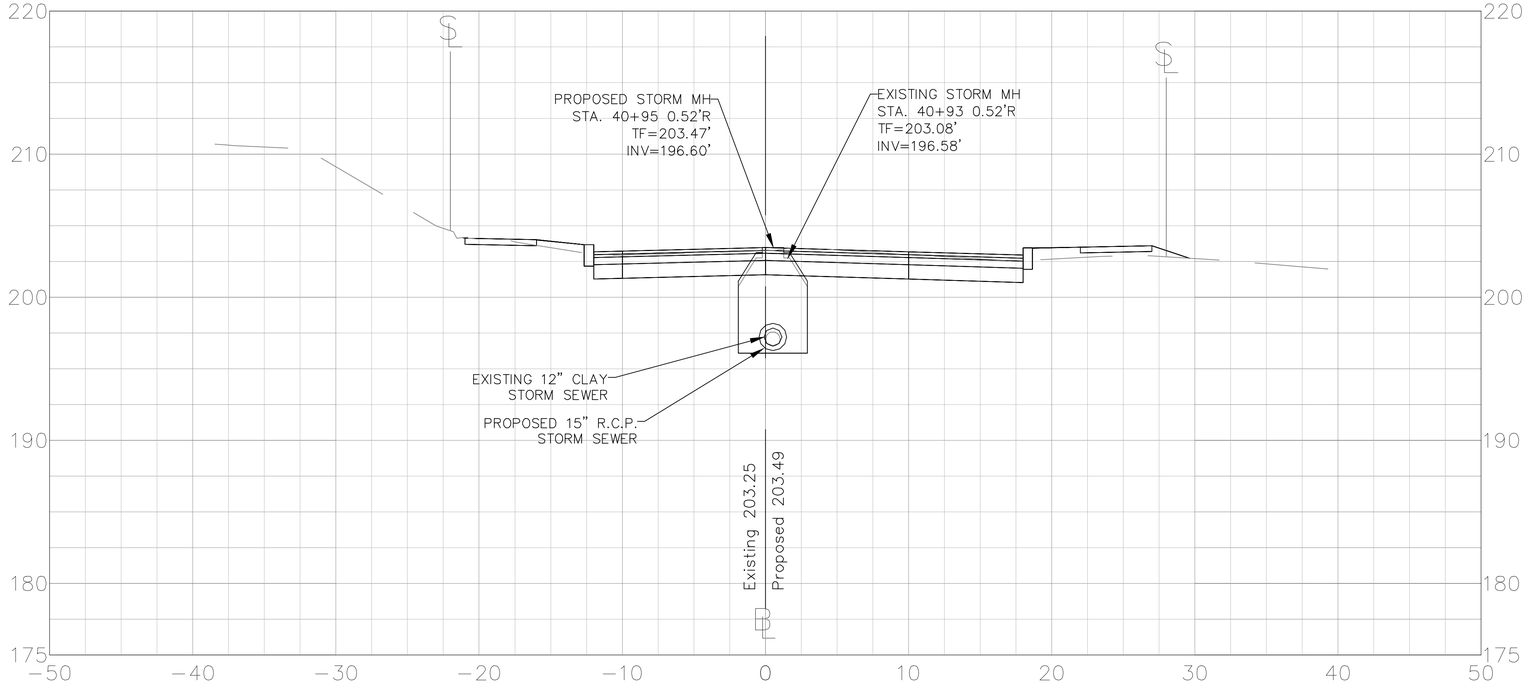
BY	APP'D	DESCRIPTION	DATE	REV.

SCALE: AS NOTED

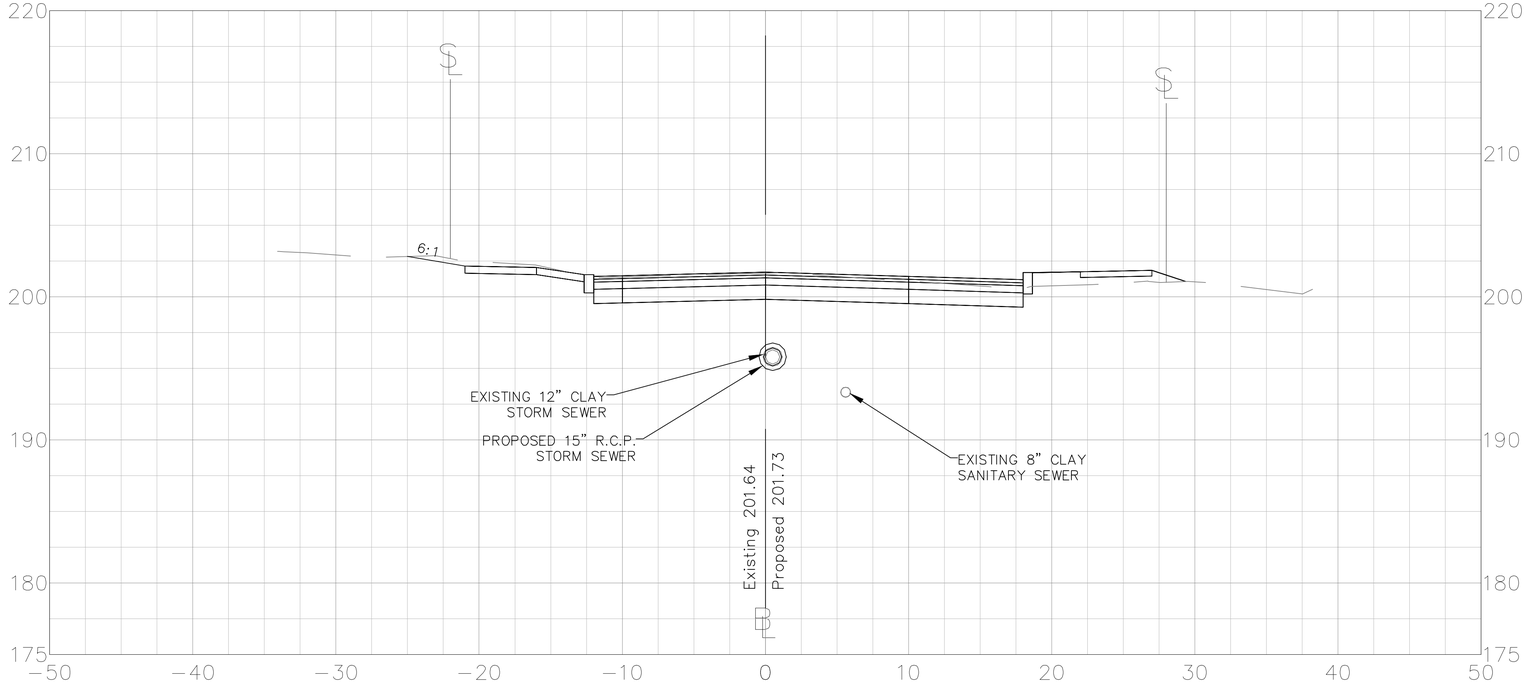
JOB NO. 88-185

SUBSET 14.63

40+95.00



40+67.01



5 2.5 0 5 10 15

SCALE IN FEET
(1" = 5')

CROSS SECTIONS

HART STREET

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
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HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

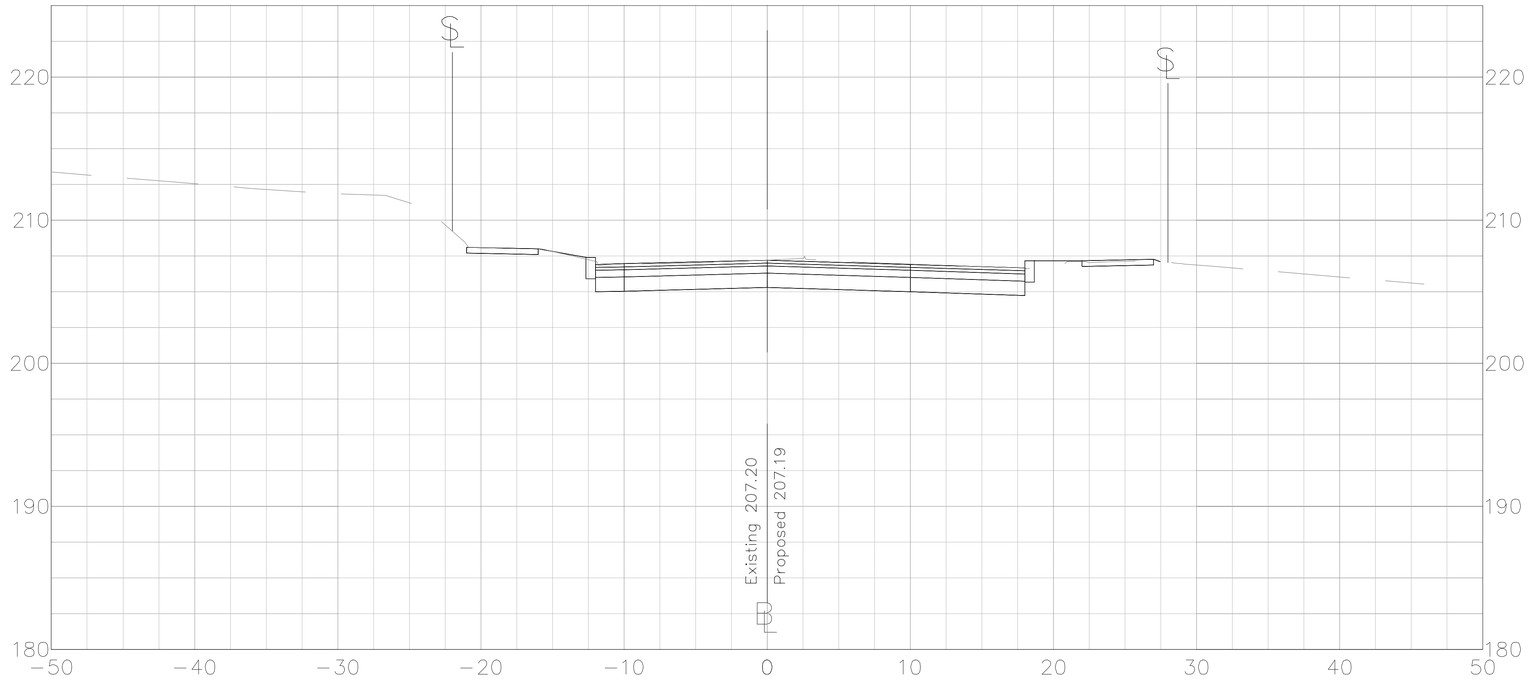
REV.	DATE	DESCRIPTION	BY	APP'D

SCALE: AS NOTED

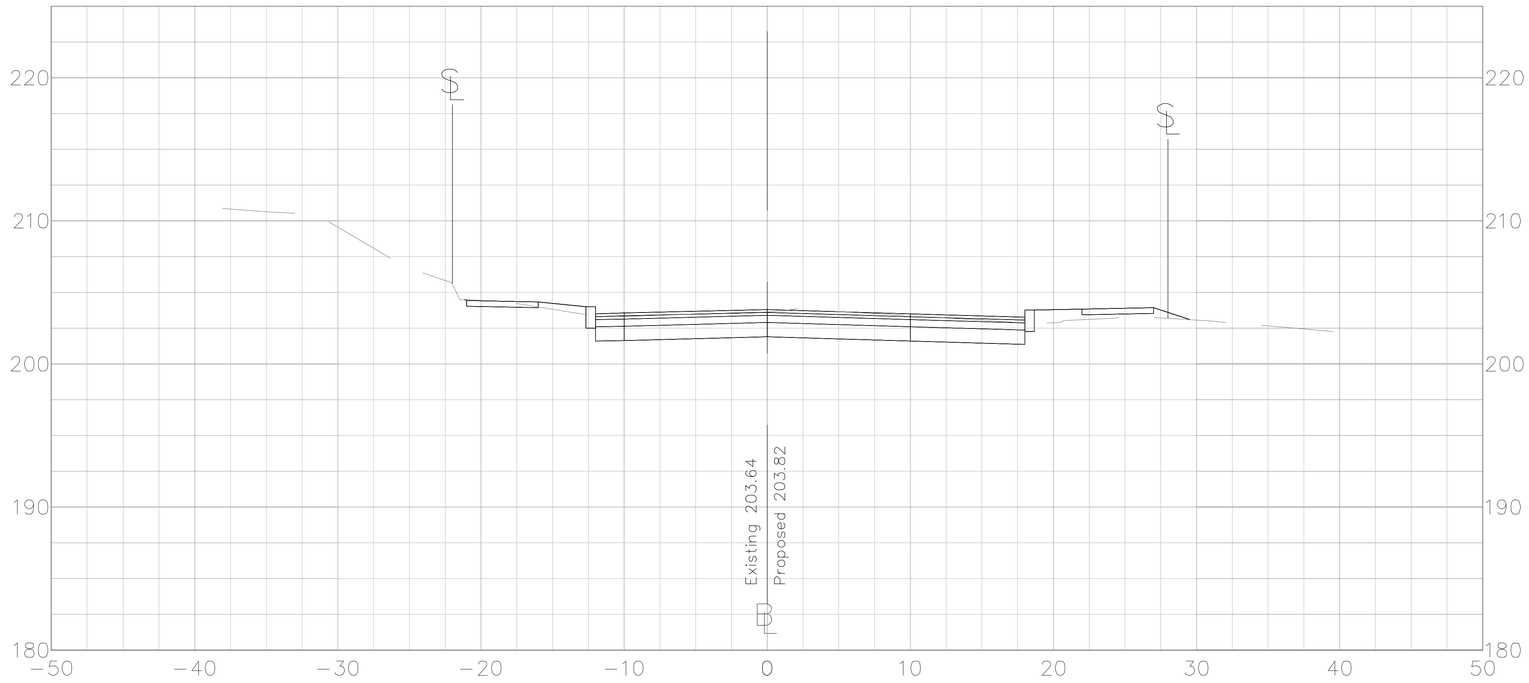
JOB NO. 88-185

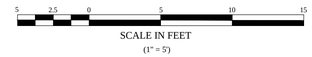
SUBSET 14.64

41+50.00



41+00.00





CROSS SECTIONS

HART STREET

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
DRAWN BY: C. POLKOWSKI
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DATE: 8/4/16

HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

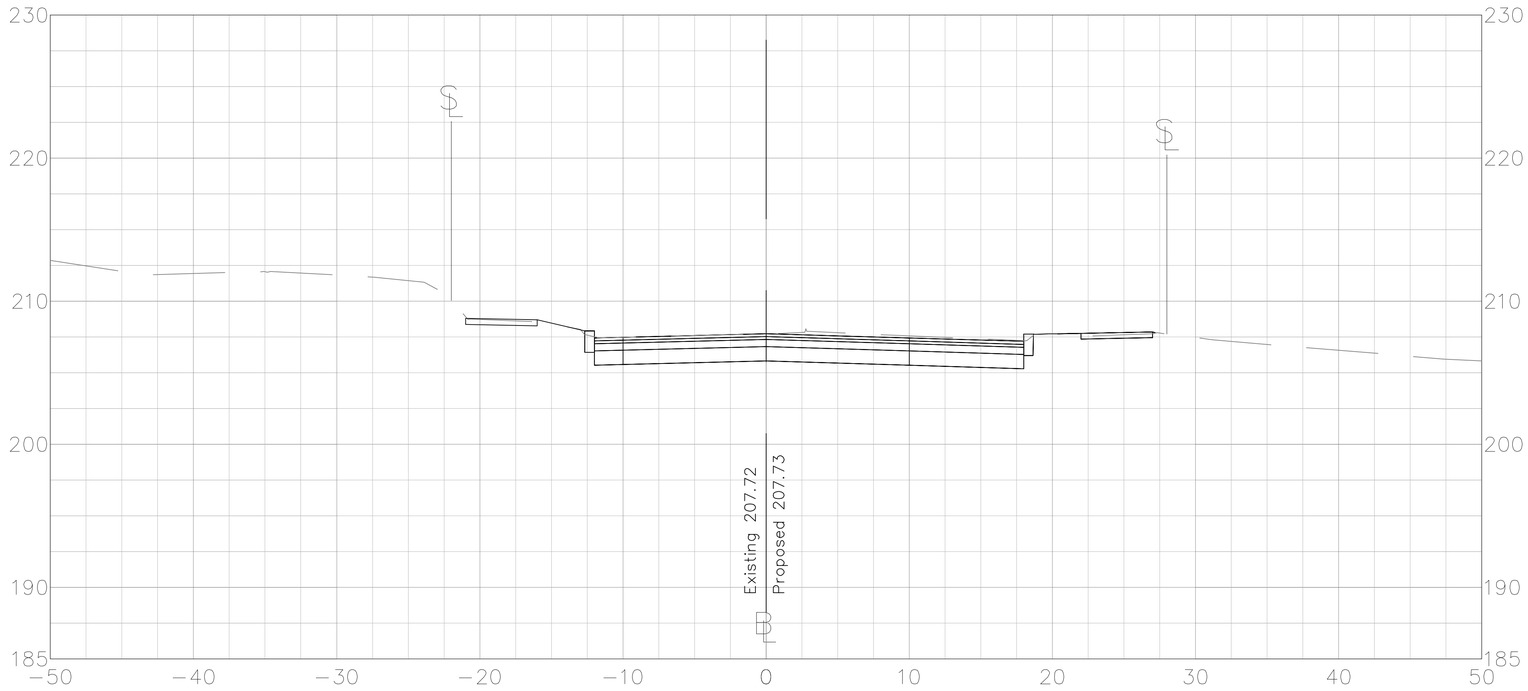
REV.	DATE	DESCRIPTION	BY	APP'D

SCALE: AS NOTED

JOB NO. 88-185

SUBSET 14.65

41+57.89





CROSS SECTIONS

HART STREET

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
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HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

REV.	DATE	DESCRIPTION	BY	APP'D

SCALE: AS NOTED

JOB NO. 88-185

SUBSET 14.66

N/F
DONALD G. JR. &
ESADA CHISLUM
457 HART STREET
VOL 1814 PAGE 15

N/F
HENRY & JENNIFER
COLEMAN
451 HART STREET
VOL 1372 PAGE 651

N/F
RICHARD A. CRAIG &
ADRIENNE F. MILICS
445 HART STREET
VOL 1096 PAGE 439

N/F
EDWIN & GLORIA
MARTINEZ
435 HART STREET
VOL 1257 PAGE 942

N/F
ARLENE S. HERZIG
425 HART STREET
VOL 552 PAGE 146

N/F
CAROLYN HOWLEY
405 HART STREET
VOL 1740 PAGE 343

N/F
DAVID DELONG
404 HART STREET
VOL 1823 PAGE 572

N/F
JOHN SWEENEY
418 HART STREET
VOL 1740 PAGE 828

N/F
ARMAND R. & LYNN M.
BELLIVEAU
424 HART STREET
VOL 742 PAGE 574

N/F
PAUL & GAETANA
OLIVA
430 HART STREET
VOL 664 PAGE 648

N/F
DAVID J. COLUCCI
809 CORBIN AVENUE
VOL 1695 PAGE 413

N/F
DOROTHY R. TURNROSE
801 CORBIN AVENUE
VOL 1109 PAGE 674

N/F
MARK & NICOLIN
CARR
243 LINCOLN STREET
VOL 1605 PAGE 934

MATCH LINE STA. 16+25

Pole 45071
-Pole will be set behind existing pole & 18" behind new curb line.

Pole 45068
-Pole will be set next to the existing pole & 18" behind new curb line.

Pole 55348
-Pole will be set next to the existing pole & 18" behind new curb line.

TRAVERSE POINT
DRILL HOLE IN WALK
N 800819.6230
E 986409.1780
ELEV = 191.96

TRAVERSE POINT
DRILL HOLE IN WALK
N 800784.1550
E 986181.5340
ELEV = 184.66

FULL DEPTH ROAD RECONSTRUCTION LIMIT (STA. 10+28.92)

FEMA FLOOD ZONE AE BOUNDARY

FEMA FLOOD ZONE AE

BEGINNING OF STATE PROJECT NO. 88-185
LIMIT OF CONSTRUCTION
STA. 10+00
N: 800795.3346
E: 986096.1236

Hart Street Reconstruction State Project 88-185
Test Pits over Gas Main conduted 5/20/16

Test Pit	Depth to top of Main (ft)	Depth to (N)ipple/ (S)addle/(J)oint (ft)		Dist south of north curb line (ft)	Gas Main Size	Final Station Aproximate	Notes
TPG-1	3.50	3.00	N	5.0	8"	10+98	
TPG-2	3.00	2.50	N	5.5	8"	13+77	
TPG-3	4.00	n/a		5.0	8"	16+67	
TPG-4	3.70	n/a		5.2	8"	19+15	
TPG-5	2.41	n/a		5.4	8"	22+00	
TPG-6	3.17	n/a		5.1	8"	23+75	
TPG-7	1.91	1.75	S	6.3	8"	27+28	
TPG-8	2.25	2.00	J	5.6	8"	29+35	
TPG-9	3.33	n/a		5.0	8"	31+16	
TPG-10	3.25	n/a		4.6	10"	33+98	
TPG-11A	3.00	n/a		4.7	10"	35+98	Pit A & B are adjacent to each other
TPG-11B	2.65	2.20	N		4"	35+98	Pit A & B are adjacent to each other
TPG-12A	3.35	n/a		5.3	10"	40+32	Pit A & B are adjacent to each other
TPG-12B	2.85	n/a		7.6	4"	40+32	Pit A & B are adjacent to each other
TPG-13A	3.00	n/a		4.7	10"	38+02	Pit A & B are adjacent to each other
TPG-13B	2.65	2.20	N		4"	38+02	Pit A & B are adjacent to each other

LEGEND

- LIGHT STANDARD
- UTILITY POLE
- SIGN
- GUY WIRE
- DECIDUOUS TREE
- EVERGREEN TREE
- BUSH
- HEDGE
- HYDRANT
- UNDERGROUND WATER LINE
- UNDERGROUND GAS LINE
- OVERHEAD WIRE
- STORM SEWER LATERAL
- SANITARY SEWER LATERAL
- CATCH BASIN
- MANHOLE
- GAS GATE
- WATER GATE

HORIZONTAL SCALE IN FEET
(1" = 20')

Eversource Relocation Plan
(For Information Only)

UTILITY PLAN
HART STREET

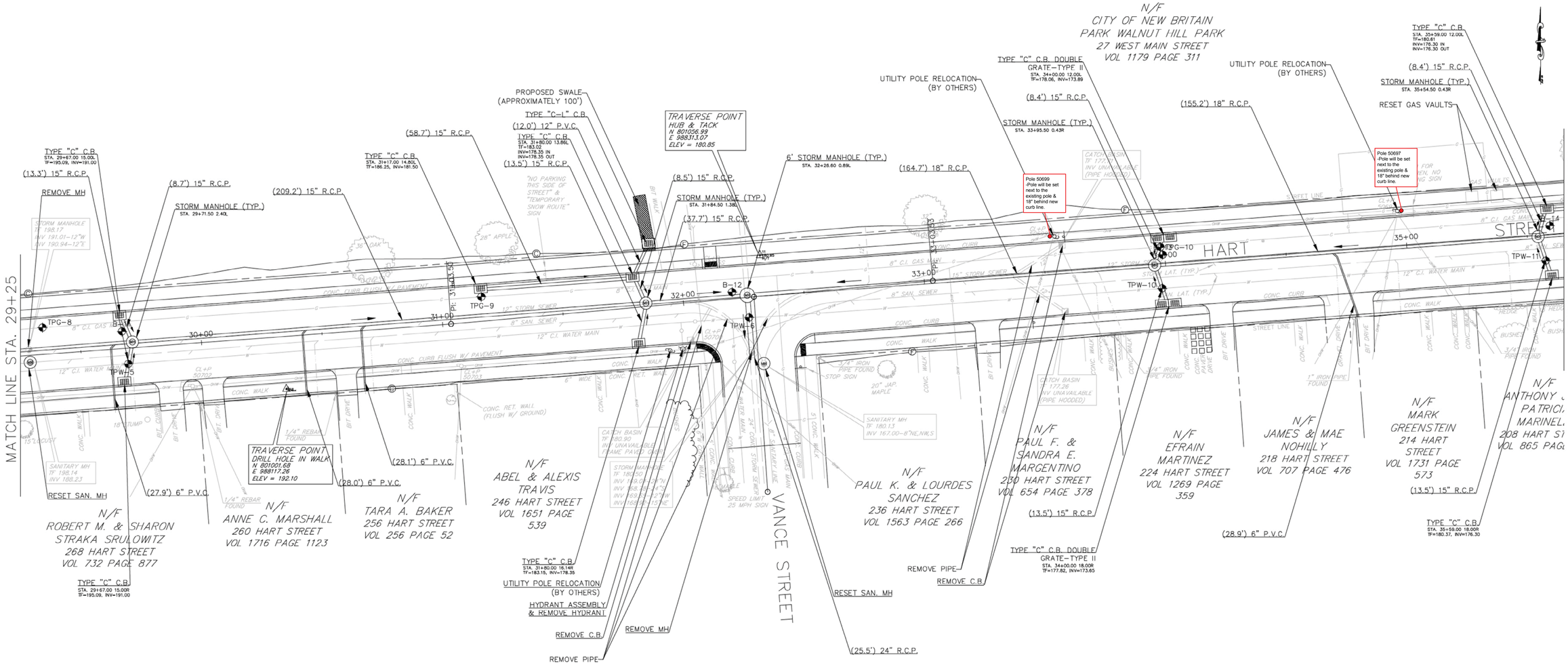
CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
DRAWN BY: C. POLKOWSKI
CHECKED BY: R. TROTTIER
DATE: 6/8/16

HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

BY	APP'D	DESCRIPTION	REV.	DATE

SCALE 1" = 20'
JOB NO. 88-185
SUBSET 11.1



Hart Street Reconstruction State Project 88-185
Test Pits over Gas Main conduted 5/20/16

Test Pit	Depth to top of Main (ft)	Depth to (N)ipple/ (S)addle/(J)oint (ft)		Dist south of north curb line (ft)	Gas Main Size	Final Station Aproximate	Notes
TPG-1	3.50	3.00	N	5.0	8"	10+98	
TPG-2	3.00	2.50	N	5.5	8"	13+77	
TPG-3	4.00	n/a		5.0	8"	16+67	
TPG-4	3.70	n/a		5.2	8"	19+15	
TPG-5	2.41	n/a		5.4	8"	22+00	
TPG-6	3.17	n/a		5.1	8"	23+75	
TPG-7	1.91	1.75	S	6.3	8"	27+28	
TPG-8	2.25	2.00	J	5.6	8"	29+35	
TPG-9	3.33	n/a		5.0	8"	31+16	
TPG-10	3.25	n/a		4.6	10'	33+98	
TPG-11A	3.00	n/a		4.7	10"	35+98	Pit A & B are adjacent to each other
TPG-11B	2.65	2.20	N		4"	35+98	Pit A & B are adjacent to each other
TPG-12A	3.35	n/a		5.3	10"	40+32	Pit A & B are adjacent to each other
TPG-12B	2.85	n/a		7.6	4"	40+32	Pit A & B are adjacent to each other
TPG-13A	3.00	n/a		4.7	10"	38+02	Pit A & B are adjacent to each other
TPG-13B	2.65	2.20	N		4"	38+02	Pit A & B are adjacent to each other

HORIZONTAL SCALE IN FEET
(1" = 20')

LEGEND

- LIGHT STANDARD
- UTILITY POLE
- SIGN
- GUY WIRE
- DECIDUOUS TREE
- EVERGREEN TREE
- BUSH
- HEDGE
- HYDRANT
- UNDERGROUND WATER LINE
- UNDERGROUND GAS LINE
- OVERHEAD WIRE
- STORM SEWER LATERAL
- SANITARY SEWER LATERAL
- CATCH BASIN
- MANHOLE
- GAS GATE
- WATER GATE

Eversource Relocation Plan
(For Information Only)

UTILITY PLAN
HART STREET

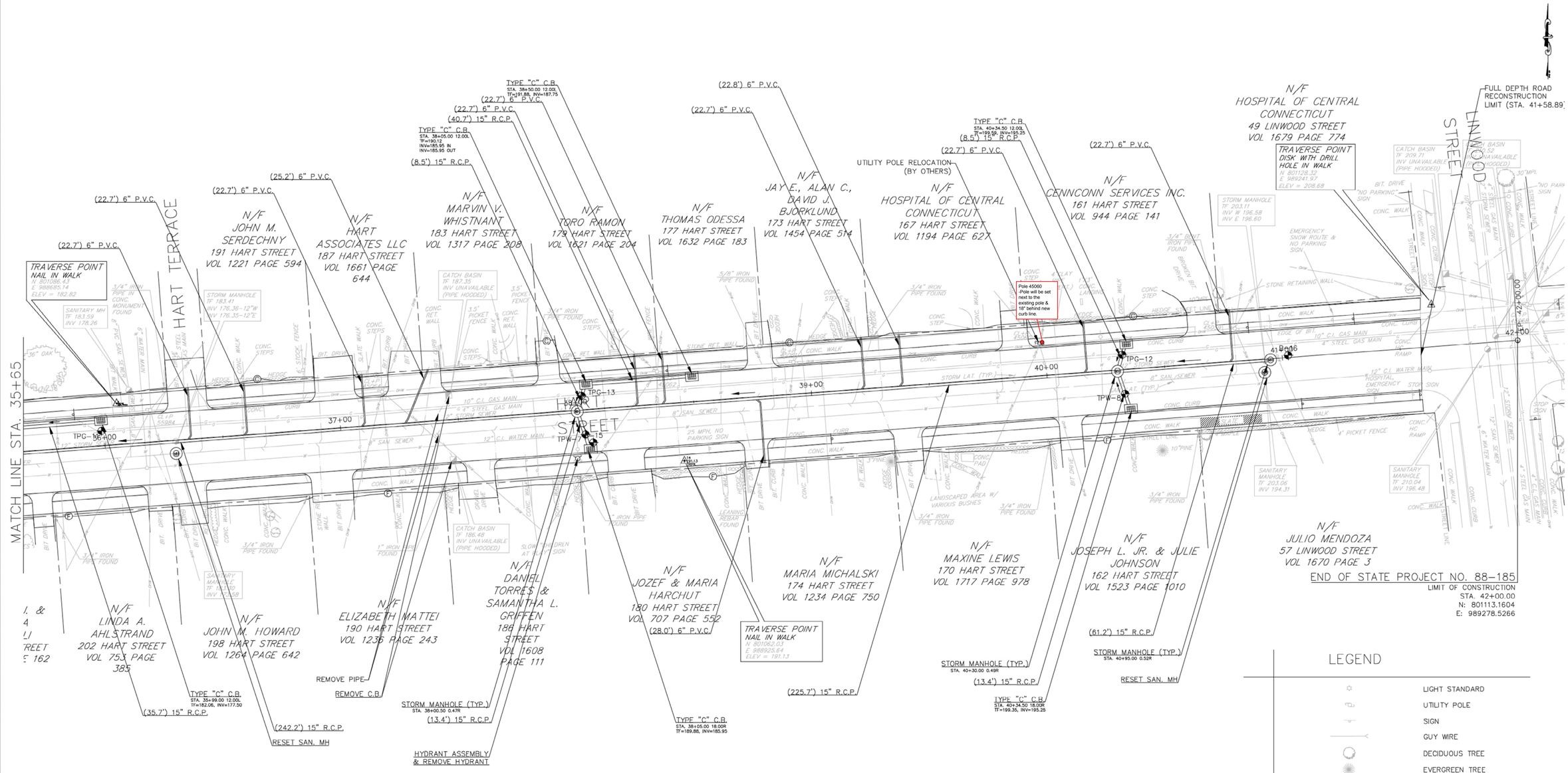
CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
DRAWN BY: C. POLKOWSKI
CHECKED BY: R. TROTTIER
DATE: 6/8/16

HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

REV.	DATE	DESCRIPTION	BY	APP'D

SCALE 1" = 20'
JOB NO. 88-185
SUBSET 11.4



Hart Street Reconstruction State Project 88-185
Test Pits over Gas Main conduted 5/20/16

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TPG-2	3.00	2.50	N	5.5	8"	13+77	
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TPG-4	3.70	n/a		5.2	8"	19+15	
TPG-5	2.41	n/a		5.4	8"	22+00	
TPG-6	3.17	n/a		5.1	8"	23+75	
TPG-7	1.91	1.75	S	6.3	8"	27+28	
TPG-8	2.25	2.00	J	5.6	8"	29+35	
TPG-9	3.33	n/a		5.0	8"	31+16	
TPG-10	3.25	n/a		4.6	10'	33+98	
TPG-11A	3.00	n/a		4.7	10"	35+98	Pit A & B are adjacent to each other
TPG-11B	2.65	2.20	N		4"	35+98	Pit A & B are adjacent to each other
TPG-12A	3.35	n/a		5.3	10"	40+32	Pit A & B are adjacent to each other
TPG-12B	2.85	n/a		7.6	4"	40+32	Pit A & B are adjacent to each other
TPG-13A	3.00	n/a		4.7	10"	38+02	Pit A & B are adjacent to each other
TPG-13B	2.65	2.20	N		4"	38+02	Pit A & B are adjacent to each other

20 10 0 20 40 60
HORIZONTAL SCALE IN FEET
(1" = 20')

LEGEND

- LIGHT STANDARD
- UTILITY POLE
- SIGN
- GUY WIRE
- DECIDUOUS TREE
- EVERGREEN TREE
- BUSH
- HEDGE
- HYDRANT
- UNDERGROUND WATER LINE
- UNDERGROUND GAS LINE
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- SANITARY SEWER LATERAL
- CATCH BASIN
- MANHOLE
- GAS GATE
- WATER GATE

Eversource Relocation Plan
(For Information Only)

UTILITY PLAN
HART STREET

CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
27 WEST MAIN STREET
NEW BRITAIN, CONNECTICUT

DESIGNED BY: C. POLKOWSKI
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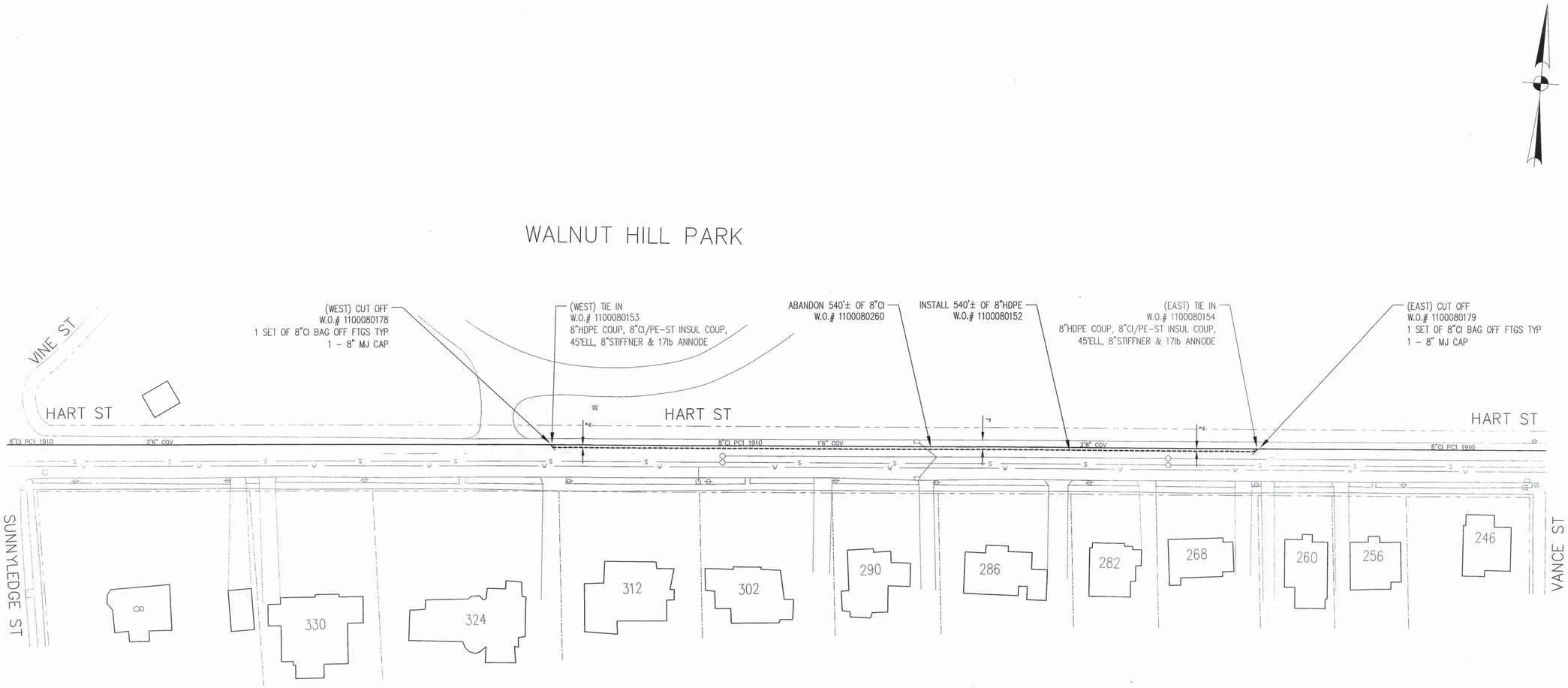
HART STREET
RECONSTRUCTION
CORBIN AVENUE TO LINWOOD STREET
NEW BRITAIN, CONNECTICUT

REV.	DATE	DESCRIPTION	BY	APP'D

SCALE 1" = 20'
JOB NO. 88-185
SUBSET 11.5



CONTRACTOR TO INSTALL NEW 8"HDPE GAS @ A MINIMUM OF 3'6"COV DUE TO NEW ROAD CONSTUCTION.

CNG Relocation Plan
(For Information Only)
PROPOSED REPLACEMENT MAIN

HART ST	
NEW BRITAIN	
CONNECTICUT NATURAL GAS CORPORATION	
DRAWN: DJB	DATE: 07/15/2016
SUPERIOR NO.: 1100080260	SCALE: 1" = 40'
FILE: HART ST NBR	PAGE No.: 1 OF 1

*ONLY STANDARD SHEETS MARKED WITH AN "✓" ARE IN THIS PROJECT #

**REVISED OR ADDED

✓*	SHEET NO.	TITLE	APPROVAL DATE**
	HW-506_01	ENDWALLS, SLOPE PAVED INLETS AND OUTLETS	1-26-12
	HW-506_02	TYPE "D-G" & "L" ENDWALLS	7-13-12
	HW-506_03	ENDWALLS FOR PIPE ARCH	9-18-09
	HW-507_01	TYPE "C", "C-L" & DROP INLET CATCH BASIN	7-24-13
	HW-507_02	TYPE "C", "C-L" & DOUBLE GRATE TYPE - I	7-24-13
	HW-507_03	TYPE "C", "C-L" & DOUBLE GRATE TYPE - II	7-24-13
	HW-507_04	TYPE "C", "C-L" & ROUND PRECAST CONCRETE CB	11-10-11
	HW-507_05	TYPE "C" & "C-L" PRECAST CONCRETE CB DOUBLE GRATE TYPE - I	11-10-11
	HW-507_06	TYPE "C" & "C-L" PRECAST CONCRETE CB DOUBLE GRATE TYPE - II	11-10-11
✓	HW-507_07	TYPE "C" & "C-L" CATCH BASIN TOPS AND CURBS	11-10-11
✓	HW-507_08	CATCH BASIN FRAMES AND GRATES	9-18-09
	HW-507_09	HEAVY DUTY LOCK DOWN TOPS	7-12-12
	HW-507_10	MANHOLE - FRAME & COVER	7-24-13
	HW-601_01	FIGURES FOR DATES ON BRIDGE PARAPETS	6-09-11
	HW-651_01	C.C.M. PIPE INSTALLATIONS IN FILL & ROCK SLOPES & PIPE TRENCH DETAIL	7-24-13
	HW-651_02	SLOTTED DRAIN PIPE 12"- 15"-18"-24"-30" (305-381-457-610-762)	7-12-12
	HW-652_01	PIPE ENDS	7-24-13
	HW-751_01	UNDERDRAINS AND UNDERDRAIN OUTLETS	7-12-12
	HW-803_01	PAVED DITCH AND PAVED APRON	7-12-12
	HW-811_01	CURBING	7-12-12
	HW-813_01	GRANITE STONE TRANSITION CURBING	7-24-13
	HW-821_01a	TRANSITION 45" (1145) F-SHAPE TO 45" (1145) VERTICAL SHAPE SHEET 1	1-26-12
	HW-821_01b	TRANSITION 45" (1145) F-SHAPE TO 45" (1145) VERTICAL SHAPE SHEET 2	10-18-10
	HW-821_01c	TRANSITION 45" (1145) F-SHAPE TO 45" (1145) VERTICAL SHAPE SHEET 3	1-26-12
	HW-821_02a	45" (1145) F-SHAPE PRECAST CONCRETE BARRIER CURB SHEET 1	7-24-13
	HW-821_02b	45" (1145) F-SHAPE PRECAST CONCRETE BARRIER CURB SHEET 2	7-24-13
	HW-821_03a	TRANSITION - 32" (813) JERSEY SHAPE TO 45" (1145) VERTICAL SHAPE SHEET 1	1-26-12
	HW-821_03b	TRANSITION - 32" (813) JERSEY SHAPE TO 45" (1145) VERTICAL SHAPE SHEET 2	10-18-10
	HW-821_03c	TRANSITION - 32" (813) JERSEY SHAPE TO 45" (1145) VERTICAL SHAPE SHEET 3	10-18-10
	HW-821_03d	TRANSITION - 32" (813) JERSEY SHAPE TO 45" (1145) VERTICAL SHAPE SHEET 4	10-18-10
	HW-821_03e	TRANSITION - 32" (813) JERSEY SHAPE TO 45" (1145) F-SHAPE	7-24-13
	HW-821_04a	MERRITT PARKWAY NARROW MEDIAN BARRIER	6-09-11
	HW-821_04b	MERRITT PARKWAY - 2'(610) WIDE MEDIAN BARRIER AND ROADSIDE BARRIER	7-24-13

✓*	SHEET NO.	TITLE	APPROVAL DATE**
	HW-821_05a	TRANSITION - 45" (1145) F-SHAPE TO 54" (1372) VERTICAL SHAPE SHEET 1	1-26-12
	HW-821_05b	TRANSITION - 45" (1145) F-SHAPE TO 54" (1372) VERTICAL SHAPE SHEET 2	1-26-12
	HW-821_06	54" (1372) VERTICAL SHAPE BARRIER	2-6-12
	HW-821_07	MISCELLANEOUS DETAILS FOR BARRIER TRANSITIONS	7-12-12
	HW-822_01	TEMPORARY PRECAST CONCRETE BARRIER CURB	7-24-13
	HW-905_01	FENCES AND BARWAYS	7-13-12
	HW-910_01	W- BEAM METAL BEAM RAIL HARDWARE	6-09-11
	HW-910_02	METAL BEAM RAIL (TYPE R-B 350) GUIDERAIL	6-09-11
	HW-910_03	METAL BEAM RAIL (TYPE MD-B 350)	6-09-11
	HW-910_04	METAL BEAM RAIL (TYPE R-B 350) SYSTEMS 5, 5A, & 6	6-09-11
	HW-910_05	METAL BEAM RAIL R-B 350 SPAN TYPE I, II, III SECTIONS	7-24-13
	HW-910_06	R-B 350 BRIDGE ATTACHMENT SAFETY SHAPE PARAPET	6-09-11
	HW-910_07	R-B 350 BRIDGE ATTACHMENT VERTICAL SHAPE PARAPET	6-09-11
	HW-910_08	R-B 350 BRIDGE ATTACHMENT TRAILING END	6-09-11
	HW-910_09a	MISCELLANEOUS GUIDERAIL TRANSITIONS SHEET 1	1-26-12
	HW-910_09b	MISCELLANEOUS GUIDERAIL TRANSITIONS SHEET 2	7-25-12
	HW-910_10	METAL BEAM RAIL 8" (203) X 6" (152) BOX BEAM	7-24-13
	HW-910_11	CURVED GUIDERAIL TREATMENT DETAIL	7-25-12
	HW-910_12a	MERRITT PARKWAY GUIDERAIL ATTACHMENT - SYSTEM 2 & 3	7-24-13
	HW-910_12b	MERRITT PARKWAY GUIDERAIL	7-24-13
	HW-910_12c	MERRITT PARKWAY GUIDERAIL TRAILING END ATTACHMENTS	7-24-13
	HW-910_12d	MERRITT PARKWAY MEDIAN GUIDERAIL AND END ANCHOR	6-09-11
	HW-910_13a	THRIE-BEAM METAL BEAM RAIL HARDWARE	7-24-13
	HW-910_13b	THRIE-BEAM TRANSITIONS	7-24-13
	HW-910_14a	THRIE-BEAM 350 BRIDGE ATTACHMENT	6-09-11
	HW-910_14b	THRIE-BEAM 350 GUIDERAIL TRANSITION TO R-B 350 GUIDERAIL	6-09-11
	HW-910_15	MD-B 350 MEDIAN BARRIER SAFETY SHAPE ATTACHMENT TYPE I	6-09-11
	HW-910_16	MD-B 350 MEDIAN BARRIER SAFETY SHAPE ATTACHMENT TYPE II	6-09-11
	HW-910_17	R-B TERMINAL SECTION	7-24-13
	HW-910_18	METAL BEAM RAIL (TYPE MD-I)	10-18-10
	HW-910_19a	METAL BEAM RAIL (MODIFIED TYPE R-I) AND END ANCHORAGE TYPE I	7-24-13
	HW-910_19b	METAL BEAM RAIL (MODIFIED TYPE R-I) AND END ANCHORAGE TYPE II	7-24-13
	HW-910_19c	METAL BEAM RAIL (MODIFIED TYPE R-I) SYSTEMS 2 AND 3	7-24-13

REV.	DATE	REVISION DESCRIPTION
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
1	7-24-13	REVISED 23 SHEETS

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Plotted Date: 7/25/2013

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: CTDOT_HIGHWAY_STD2013.dgn Model: 1 - HW-INX_1

CTDOT STANDARD SHEET

OFFICE OF ENGINEERING

STANDARD SHEET TITLE:

HIGHWAY STANDARD SHEET INDEX

STANDARD SHEET NO.:

HW_INX

*ONLY STANDARD SHEETS MARKED WITH AN "√" ARE IN THIS PROJECT #

**REVISED OR ADDED

√*	SHEET NO.	TITLE	APPROVAL DATE**
	HW-911_01	R-B END ANCHORAGE TYPE I AND II	7-24-13
	HW-911_02	MD-B END ANCHORAGE TYPE I	10-18-10
	HW-911_03	ANCHOR IN EARTH CUT SLOPE & ANCHOR IN ROCK CUT SLOPE	10-18-10
	HW-911_04	TYPICAL GRADING PLAN FOR W-BEAM GUIDERAIL TURN-DOWN END ANCHOR	10-18-10
	HW-911_05	MERRITT PARKWAY GUIDERAIL END ANCHORS	7-24-13
	HW-913_01	CHAIN LINK FENCE	7-12-12
	HW-918_01a	THREE CABLE GUIDERAIL (I-BEAM POSTS) SHEET 1	7-24-13
	HW-918_01b	THREE CABLE GUIDERAIL (I-BEAM POSTS) SHEET 2	1-26-12
	HW-918_01c	THREE CABLE GUIDERAIL (I-BEAM POSTS) SHEET 3	7-24-13
	HW-921_01	DRIVEWAY RAMPS AND SIDEWALKS	1-26-12
	HW-925_01	PAVEMENT FOR RAILING	6-09-11
	HW-949_01	PLANTING DETAILS FOR TREES	7-12-12
	HW-949_02	PLANTING DETAILS FOR SHRUBS	7-12-12
	HW-1800_01	GRADING PLAN FOR TYPE B IMPACT ATTENUATION SYSTEM (FLARED)	6-20-11
	HW-1800_02	GRADING PLAN FOR TYPE B IMPACT ATTENUATION SYSTEM (MEDIAN/GORE)	6-09-11
	HW-1800_03	GRADING PLAN FOR TYPE B IMPACT ATTENUATION SYSTEM (TANGENTIAL)	6-20-11
	HW-1806_01a	CT TRUCK MOUNTED IMPACT ATTENUATOR SHEET 1	10-18-10
	HW-1806_01b	CT TRUCK MOUNTED IMPACT ATTENUATOR SHEET 2	10-18-10
	HW-1806_01c	CT TRUCK MOUNTED IMPACT ATTENUATOR SHEET 3	10-18-10

√*	SHEET NO.	TITLE	APPROVAL DATE**

REV.	DATE	REVISION DESCRIPTION
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
1	7/24/13	REVISED 8 SHEETS

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Plotted Date: 8/29/2014

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: CTDOT_HIGHWAY_STD.dgn Model: 2 - HW-INX_2

CTDOT
STANDARD SHEET

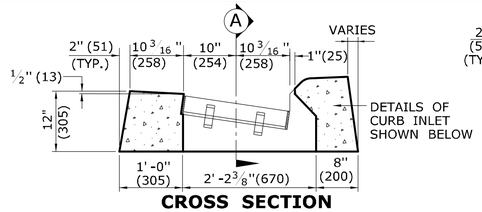
OFFICE OF ENGINEERING

STANDARD SHEET TITLE:

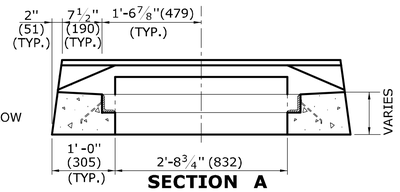
HIGHWAY STANDARD SHEET INDEX

STANDARD SHEET NO.:

HW_INX
2 of 2

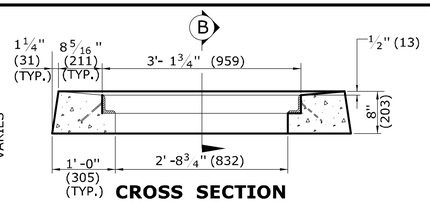


CROSS SECTION



SECTION A

TYPE "C" CATCH BASIN TOP



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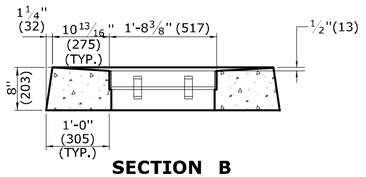
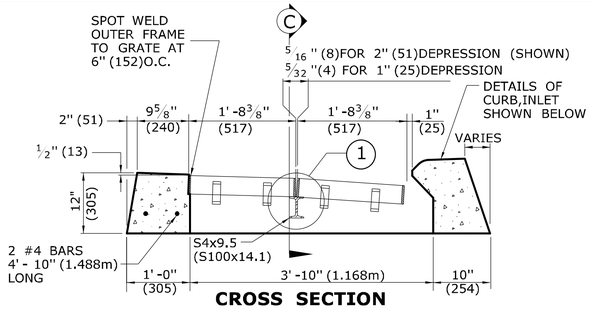


SECTION B

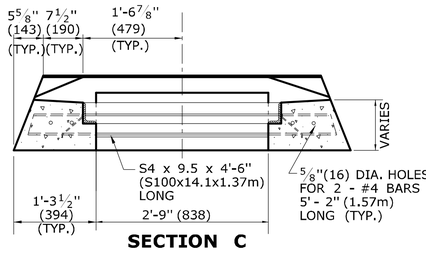
TYPE "C-L" CATCH BASIN TOP

GENERAL NOTES:

1. FOR DETAILS OF FRAME AND GRATE SEE STANDARD SHEET HW-507_08.
2. ALL STEEL, EXCEPT REINFORCING BARS, SHALL BE GALVANIZED IN CONFORMANCE WITH SECTION M06.03 OF CONNECTICUT'S STANDARD SPECIFICATIONS.
3. ALL BARS SHALL HAVE A MINIMUM 2" (51) COVER.

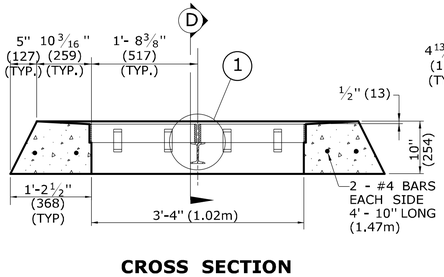


CROSS SECTION



SECTION C

TYPE "C" CATCH BASIN DOUBLE GRATE - TYPE I TOP



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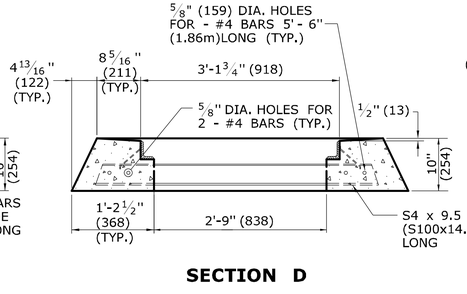
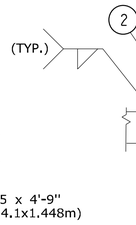
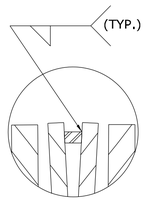


SECTION D

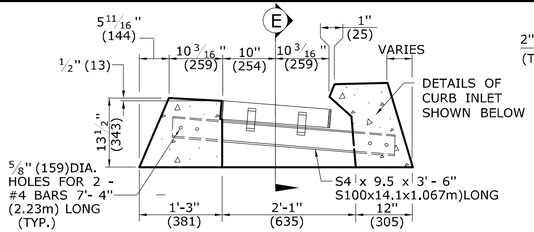


DETAIL "1"

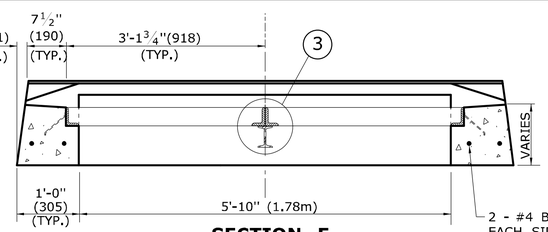


DETAIL "2"

TYPE "C-L" CATCH BASIN DOUBLE GRATE - TYPE I TOP

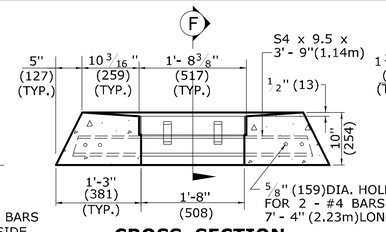


CROSS SECTION

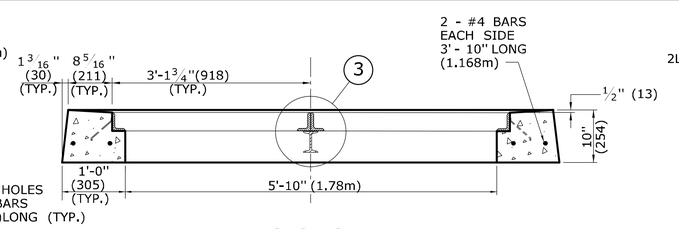


SECTION E

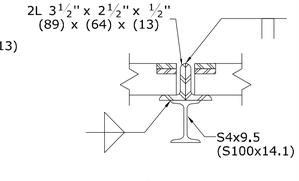
TYPE "C" CATCH BASIN DOUBLE GRATE - TYPE II TOP



CROSS SECTION

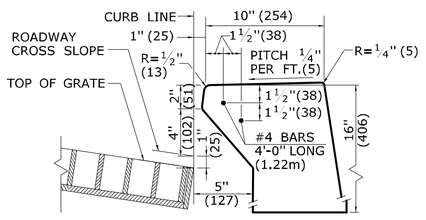


SECTION F

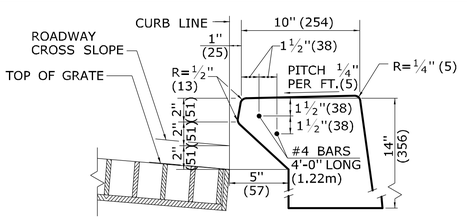


DETAIL "3"

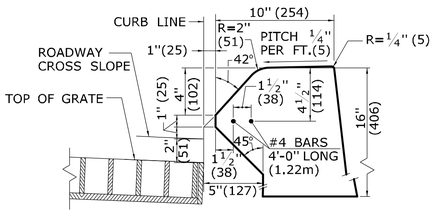
TYPE "C-L" CATCH BASIN DOUBLE GRATE - TYPE II TOP



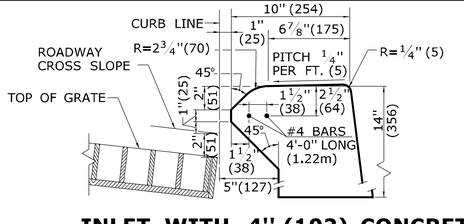
INLET WITH 6" (152) CONCRETE OR STONE CURBING FOR TYPE "C" CB



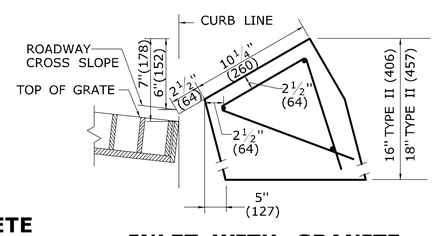
INLET WITH NO CURBING (PLAIN TYPE) FOR TYPE "C" CB



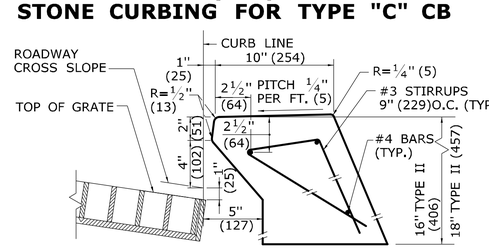
INLET WITH 6" (152) BITUMINOUS CONCRETE LIP CURBING FOR TYPE "C" CB



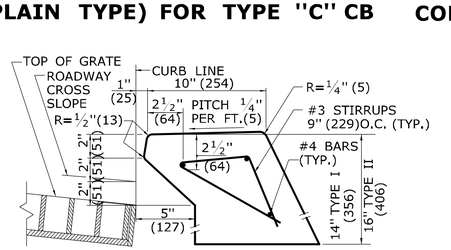
INLET WITH 4" (102) CONCRETE PARK CURBING FOR TYPE "C" CB



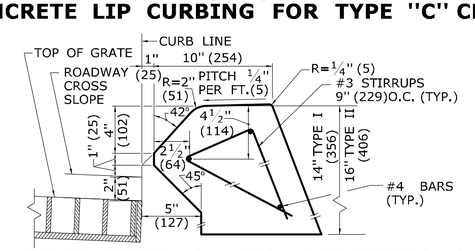
INLET WITH GRANITE SLOPE CURB FOR TYPE "C" CB



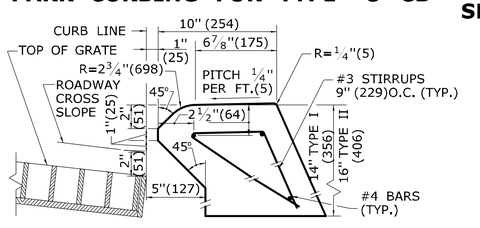
INLET WITH 6" (152) CONCRETE OR STONE CURBING FOR TYPE "C" CB DOUBLE GRATE TYPE I & II



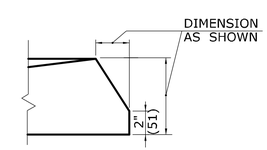
INLET WITH NO CURBING (PLAIN TYPE) FOR TYPE "C" CB DOUBLE GRATE TYPE I & II



INLET WITH 6" (152) BITUMINIOUS CONCRETE LIP CURBING FOR TYPE "C" CB DOUBLE GRATE TYPE I & II



INLET WITH 4" (102) CONCRETE PARK CURBING FOR TYPE "C" CB DOUBLE GRATE TYPE I & II



ALTERNATE CONSTRUCTION OF TYPE II TOP

ALL METRIC DIMENSIONS ARE IN MILLIMETERS (mm) UNLESS OTHERWISE NOTED

REV.	DATE	REVISION DESCRIPTION
-	-	-
-	-	-
-	-	-
-	-	-
2	7/28/11	REMOVE MIN. DROP NOTE
1	6/01/10	REVISE CALL-OUT

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Plotted Date: 11/10/2011

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: CTDOT_HWY_STD_Nov2011.dgn Model: 12-HW-507_07

SUBMITTED BY: NAME/DATE/TIME:
Leo Fontaine
2011.11.10 10:04:01 -05'00'

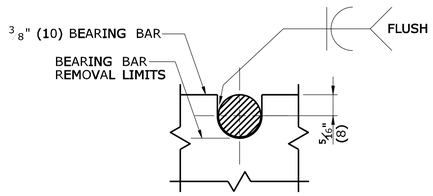
APPROVED BY: NAME/DATE/TIME:
James H. Norman
2011.11.10 10:19:36 -05'00'

CTDOT STANDARD SHEET

OFFICE OF ENGINEERING

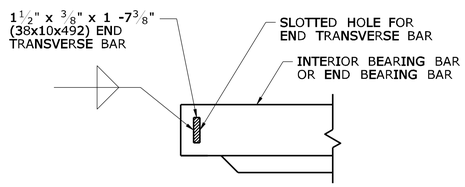
STANDARD SHEET TITLE:
TYPE "C" & "C-L" CATCH BASIN TOPS AND CURBS

STANDARD SHEET NO.:
HW-507_07

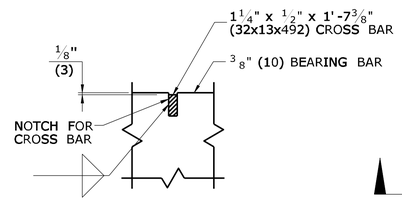


NOTE:
5/8" (16) DIA. ROUND BAR SHALL CONTACT BEARING BAR AT BOTTOM AND BE FLUSH AT TOP.

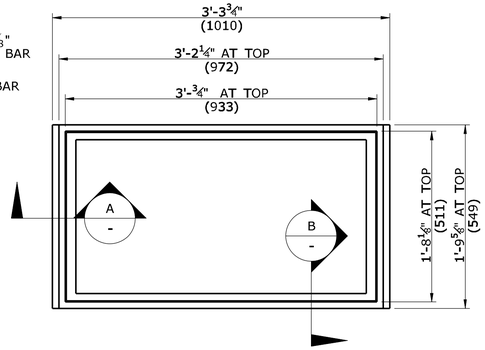
ROUND BAR ATTACHMENT
CATCH BASIN GRATE TYPE A



END TRANSVERSE BAR ATTACHMENT
CATCH BASIN GRATE TYPE A & B



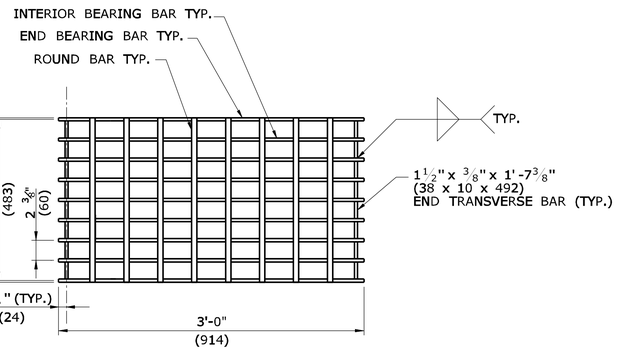
CROSS BAR ATTACHMENT
CATCH BASIN GRATE TYPE B



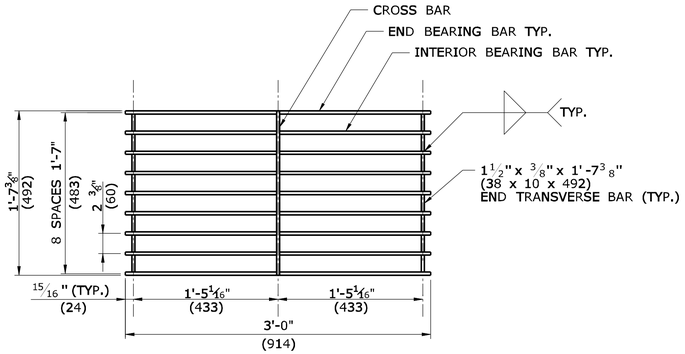
PLAN

GENERAL NOTES:

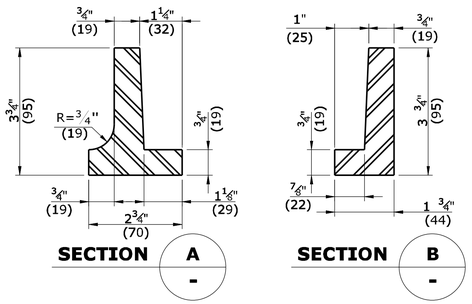
1. STEEL OR CAST IRON SHALL BE USED FOR FRAMES. STEEL SHALL BE USED FOR TYPE "A" & "B" GRATES.
2. TYPE "A" GRATES SHALL BE USED ON ALL ROADWAYS WHERE BICYCLE TRAFFIC IS ALLOWED OR AS DIRECTED BY THE ENGINEER.
3. TYPE "B" GRATES SHALL BE USED ON ALL LIMITED ACCESS HIGHWAYS, RAMPS AND WHERE BICYCLE TRAFFIC IS NOT ALLOWED OR AS DIRECTED BY THE ENGINEER.
4. STEEL FRAMES AND GRATES SHALL BE GALVANIZED IN ACCORDANCE WITH ARTICLE M.06.03.
5. DO NOT GALVANIZE CAST IRON FRAMES.
6. DIMENSIONAL TOLERANCES SHALL BE $\pm 1/16$".(1.6)
7. ALL STEEL BARS SHALL BE WELDED AT ALL INTERSECTIONS.
8. ALL WELDING SHALL CONFORM TO THE REQUIREMENTS OF AWS STRUCTURAL WELDING CODE, D1.1.



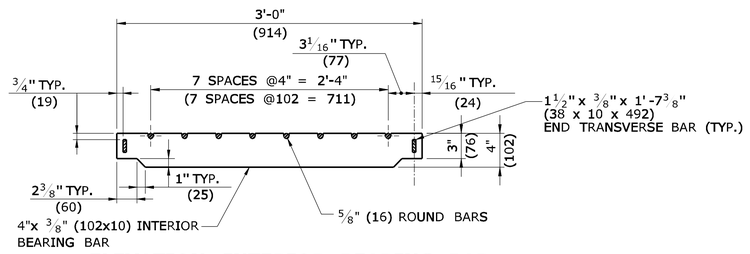
PLAN



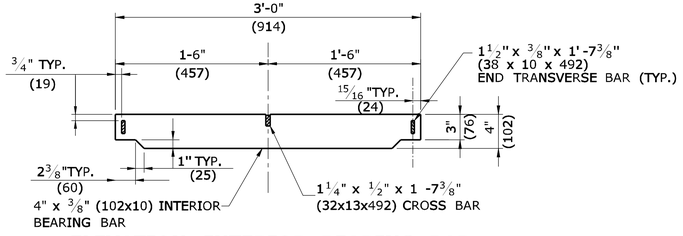
PLAN



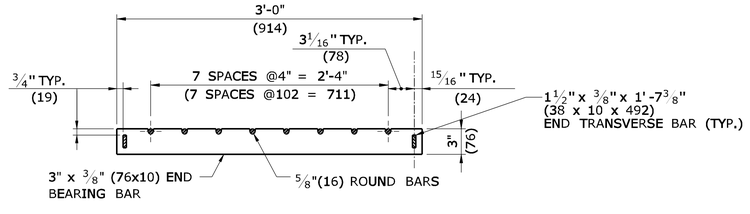
CAST IRON FRAME ALTERNATE



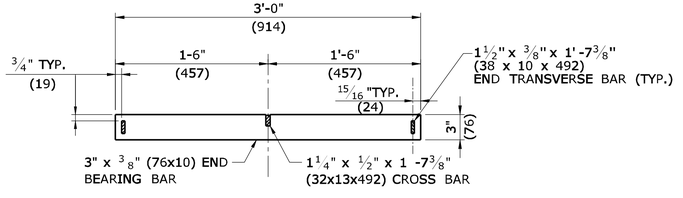
ELEVATION- INTERIOR BEARING BAR



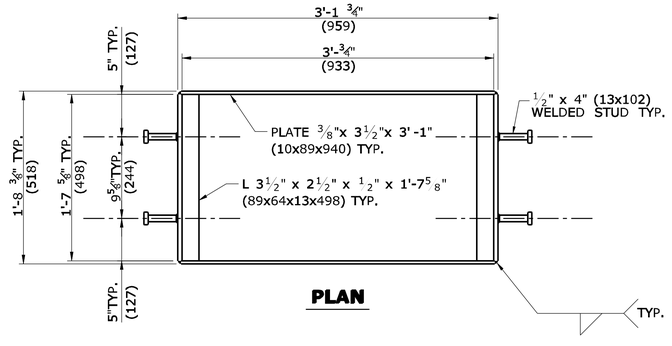
ELEVATION- INTERIOR BEARING BAR



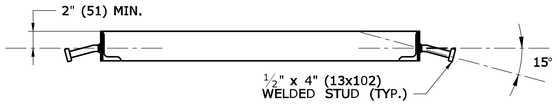
ELEVATION- END BEARING BAR
CATCH BASIN GRATE TYPE A



ELEVATION- END BEARING BAR
CATCH BASIN GRATE TYPE B



PLAN



WELDED STUD ANCHOR DETAILS
STEEL FRAME

ALL METRIC DIMENSIONS ARE IN MILLIMETERS (mm) UNLESS OTHERWISE NOTED

REV.	DATE	REVISION DESCRIPTION
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Plotted Date: 9/11/2009

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: CTDOT_HIGHWAY_STD.dgn Model: HW-507_08

SUBMITTED BY:	NAME/DATE/TIME:
TWils	Timothy M. Wilson 2009.09.16 11:16:32 -04'00'
APPROVED BY:	NAME/DATE/TIME:
	James H. Norman 2009.09.18 14:22:33 -04'00'

CTDOT STANDARD SHEET

OFFICE OF ENGINEERING

STANDARD SHEET TITLE:
CATCH BASIN FRAMES AND GRATES

STANDARD SHEET NO.:
HW-507_08

ONLY STANDARD SHEETS MARKED WITH AN "✓" ARE IN THIS PROJECT #

	SHEET NO.	TITLE	APPROVAL DATE
	TR-1000_01	GENERAL CLAUSES (TEST PROCEDURES)	1/2014
	TR-1001_01	TRENCHING & BACKFILLING, ELECTRICAL CONDUIT	4/2012
	TR-1002_01	TRAFFIC CONTROL FOUNDATIONS	1/2014
	TR-1010_01	CONCRETE HANDHOLE	4/2014
	TR-1102_01	PEDESTALS, PEDESTRIAN SIGNALS	4/2012
	TR-1105_01	TRAFFIC SIGNALS AND CABLE ASSIGNMENTS	5/2015
	TR-1107_01	PEDESTRIAN PUSH BUTTON	4/2014
	TR-1108_01	CONTROLLERS	5/2013
	TR-1111_01	LOOP VEHICLE DETECTOR AND SAWCUT	4/2014
	TR-1113_01	CONTROL CABLE	4/2014
	TR-1114_01	BONDING & UTILITY POLE ATTACHMENT DETAILS, SIGN HANGER, "Y" CLAMP DETAILS	5/2015

	SHEET NO.	TITLE	APPROVAL DATE
	TR-1205_01	DELINEATION, DELINEATOR AND OBJECT MARKER DETAILS [7]	8/2015
✓	TR-1208_01	SIGN SUPPORT AND SIGN PLACEMENT DETAILS, GORE EXIT SIGN [8]	2/2011
✓	TR-1208_02	METAL SIGN POSTS AND SIGN MOUNTING DETAILS [9]	2/2011
	TR-1210_01	PAVEMENT MARKINGS (DURABLE MARKINGS) FOR DIVIDED HIGHWAYS [21A]	12/2013
	TR-1210_02	PAVEMENT MARKINGS (DURABLE MARKINGS) FOR DIVIDED HIGHWAYS [22A]	12/2013
✓	TR-1210_03	SPECIAL DETAILS & TYPICAL PAVEMENT MARKINGS FOR TWO-WAY HIGHWAYS [25]	11/2014
✓	TR-1220_01	SIGNS FOR CONSTRUCTION AND PERMIT OPERATIONS [23]	8/2015
✓	TR-1220_02	CONSTRUCTION SIGN SUPPORTS AND CHANNELIZING DEVICES [23A]	8/2015

STANDARD SHEETS SHALL BE USED WITH STANDARD SPECIFICATIONS

REV.	DATE	REVISION DESCRIPTION
3	4-2014	REMOVED TR-1111_02.
2	1-2014	REMOVED TR-1103_01.
1	4-2012	RENUMBERED TR-1107_02 TO TR-1114_01. REMOVED TR-1116_01.

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Plotted Date: 4/11/2014

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: CTDOT_TRAFFIC_STD.DGN Model: TR-01-STD_INDEX

SUBMITTED BY: NAME/DATE/TIME:

CTDOT
STANDARD SHEET

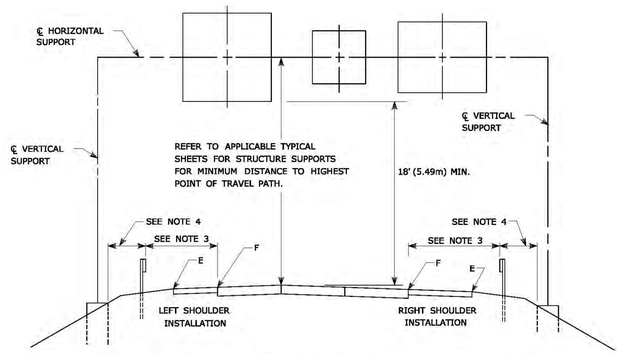
OFFICE OF ENGINEERING

STANDARD SHEET TITLE:

TRAFFIC
STANDARD SHEET INDEX

STANDARD SHEET NO.:

TR-STD_INDEX



GUIDE RAIL PLACEMENT FOR SIGN SUPPORTS

NOTES:

1) FOR PLACEMENT OF CANTILEVER SIGN SUPPORT USE APPLICABLE PORTION OF ABOVE DETAIL.
2) BARRIER SYSTEM IS REQUIRED FOR BOTH SIDES OF MEDIAN SUPPORTS IN NARROW MEDIANS.
3) AT LOCATIONS WHERE IMPACT PROTECTION IS NOT REQUIRED FOR ROADSIDE ELEMENTS, FACE OF GUIDE RAIL SHALL BE PLACED 30' (9.1m) FROM EDGE OF TRAVELWAY.
4) OFFSETS OF FOUNDATIONS FROM BARRIER SYSTEMS SHALL BE AS SHOWN ELSEWHERE ON THE CONTRACT PLANS.
5) ALL SIGNS ARE TO BE HORIZONTAL, REGARDLESS OF CAMBER IN SUPPORT.

FOR MAXIMUM EFFECTIVENESS AND TO ELIMINATE OR MINIMIZE GLARE, POSITION SIDE MOUNTED SIGNS ON STRUCTURAL STEEL BREAKAWAY SIGN SUPPORTS AS FOLLOWS:

ON A TANGENT SECTION, POSITION THE SIGN SO THE VERTICAL AXIS IS PLUMB AND THE HORIZONTAL AXIS IS AT AN ANGLE OF 93° WITH THE TRAFFIC LANE WHICH THE SIGN SERVES:

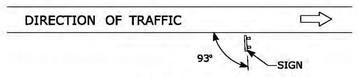


DIAGRAM "A"

ON A HORIZONTAL CURVE SECTION, POSITION THE SIGN SO THE VERTICAL AXIS IS PLUMB AND THE HORIZONTAL AXIS IS AT AN ANGLE OF 90° WITH A STRAIGHT LINE BETWEEN THE SIGN AND THE POINT AT WHICH THE SIGN SHALL BE READ.

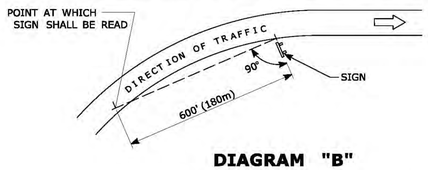
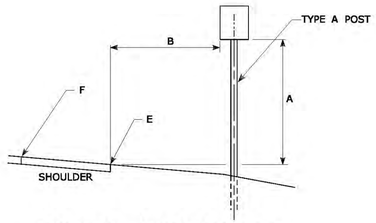
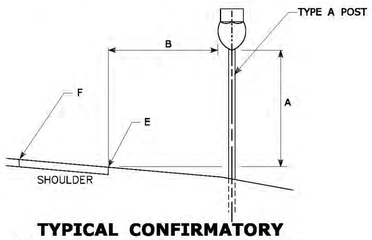


DIAGRAM "B"

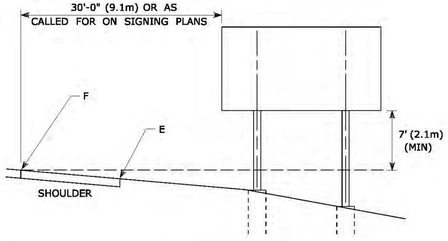
SIGN ORIENTATION DETAILS



TYPICAL REGULATORY & WARNING SIGN PLACEMENT



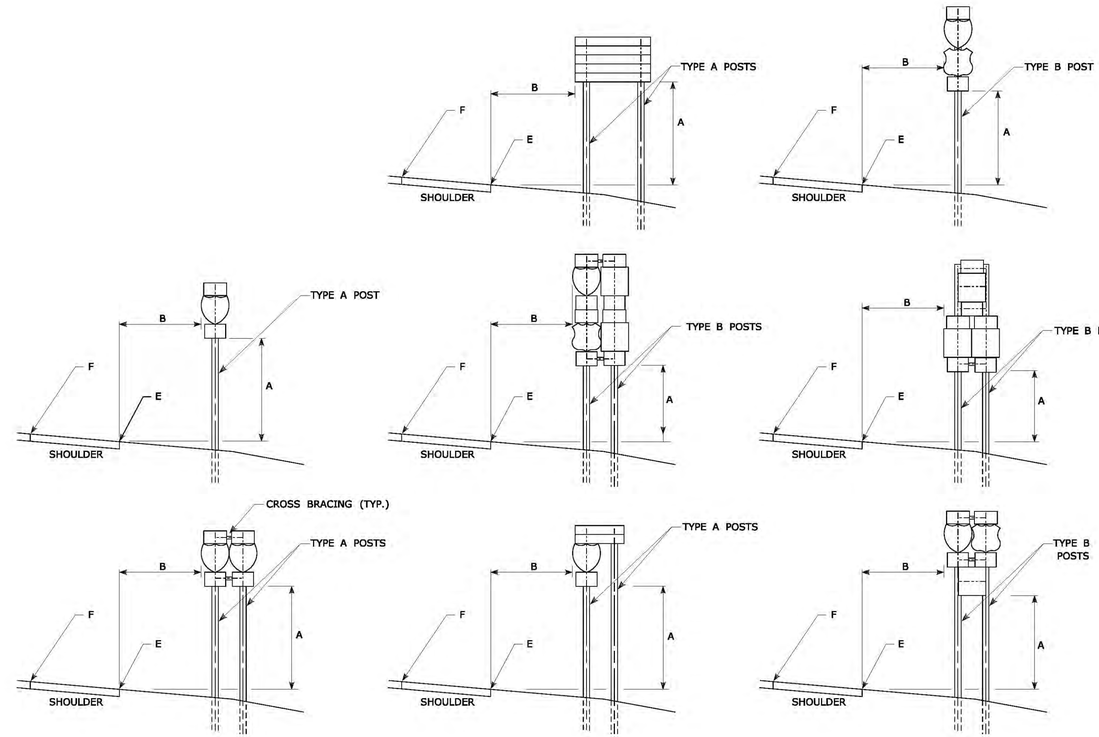
TYPICAL CONFIRMATORY ROUTE MARKER PLACEMENT



TYPICAL PLACEMENT OF SIDE MOUNTED SIGNS ON STRUCTURAL STEEL BREAKAWAY SIGN SUPPORTS

NOTES:

1) MIN. VERTICAL CLEARANCE ABOVE SIDEWALKS SHALL BE 8'-6" (2.6m).
2) WHERE GUIDE RAIL IS USED, THE OFFSET TO THE NEAR EDGE OF SIGN FACE SHALL BE AS SHOWN ELSEWHERE IN THE CONTRACT PLANS.
3) ON INTERSECTING ROADS AT RAMP TERMINI, THE OFFSET TO THE NEAR EDGE OF OF SIGN FACE SHALL BE 6' (1.8m) MIN. FROM POINT "E".
4) IF 30'-0" (9.1m) MIN. CANNOT BE MET, PLEASE CONTACT THE ENGINEER.



TYPICAL SIGN PLACEMENT AND POST SELECTION

NOTES:

ALL SIGNS AND SHIELDS ON DIRECTIONAL ASSEMBLIES SHALL ABUT VERTICALLY
2 POST ASSEMBLIES SHALL BE PROVIDED WITH 3" X ¼" (75 X 6) GALVANIZED STEEL BAR CROSS BRACING.
REFER TO TRAFFIC TYPICAL SHEET "TYPICAL METAL SIGN POSTS AND SIGN MOUNTING DETAILS" FOR SIGN POSTS.

DIM."A"	DIM."B" △1	ASSEMBLY LOCATION
7' (2.1m)	6' (1.8m) 12' (3.6m) △2	RURAL DISTRICTS & EXPRESSWAYS
7' (2.1m)	2' (0.6m)	BUSINESS & RESIDENTIAL DISTRICTS WHERE PARKING OR OTHER OBSTRUCTIONS LIMIT VISIBILITY
8'-6" (2.6m)	1' (0.3m)	SIDEWALKS △3

△1 OR AS DIRECTED BY THE ENGINEER
△2 6' FROM EDGE OF SHOULDER, WHEN SHOULDER IS OVER 6' WIDE
12' FROM EDGE OF TRAVELWAY, WHEN SHOULDER IS LESS THAN 6' WIDE.
△3 A CLEAR PATH OF NOT LESS THAN 3 FT (0.9m) SHALL BE PROVIDED IN SIDEWALK AREAS.
"E" DENOTES EDGE OF SHOULDER OR FACE OF CURB
"F" DENOTES EDGE OF TRAVELWAY

REV.	DATE	REVISION DESCRIPTION
1	2-2011	MINOR REVISIONS.

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Plotted Date: 2/16/2011

DIMENSIONS ARE IN ENGLISH (.") & METRIC UNITS (mm).
METRIC DIMENSIONS ARE ROUNDED:
- OVER 1" TO NEAREST 5 mm
- UNDER 1" TO NEAREST 1 mm.

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: CTDOT_TRAFFIC_STD.dgn Model: TR-1208_01

SUBMITTED BY:	NAME/DATE/TIME:
Charles S. Harlow	Charles S. Harlow 2011.02.22 11:09:17 -05'00'
APPROVED BY:	NAME/DATE/TIME:
John F. Carey	John F. Carey 2011.03.02 09:19:01 -05'00'

CTDOT STANDARD SHEET

OFFICE OF ENGINEERING

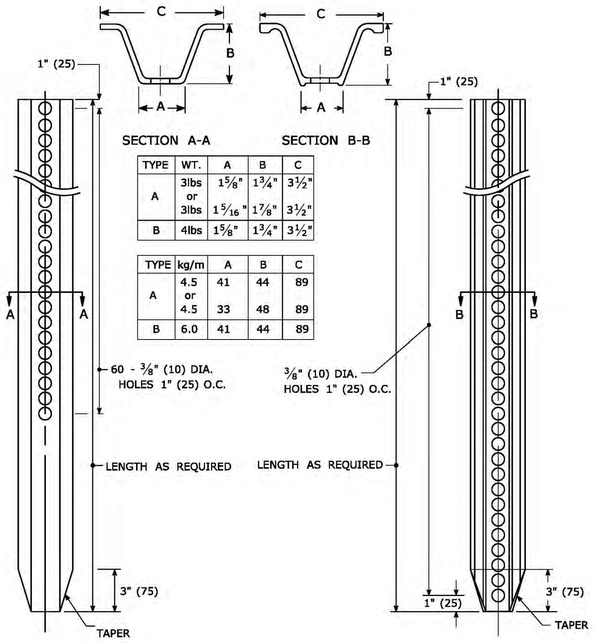
STANDARD SHEET TITLE:

SIGN SUPPORT & SIGN PLACEMENT DETAILS, GORE EXIT SIGN

STANDARD SHEET NO.:

TR-1208_01

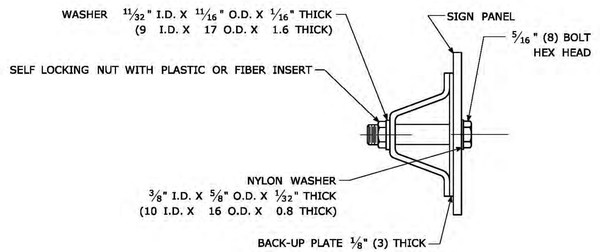
TYPICAL METAL SIGN POSTS



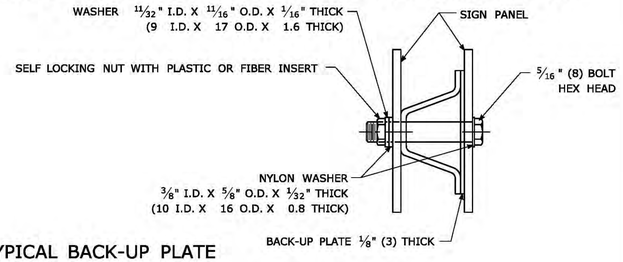
TYPE	WT.	A	B	C
A	3lbs or 3lbs	1 5/8"	1 3/4"	3 1/2"
		1 5/16"	1 7/8"	3 1/2"
B	4lbs	1 5/8"	1 3/4"	3 1/2"

TYPE	kg/m	A	B	C
A	4.5 or 4.5	41	44	89
		33	48	89
B	6.0	41	44	89

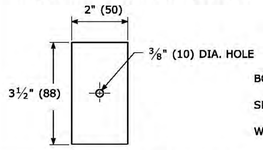
TYPICAL SIGN PANEL ATTACHMENT



TYPICAL BACK TO BACK SIGN PANEL ATTACHMENT



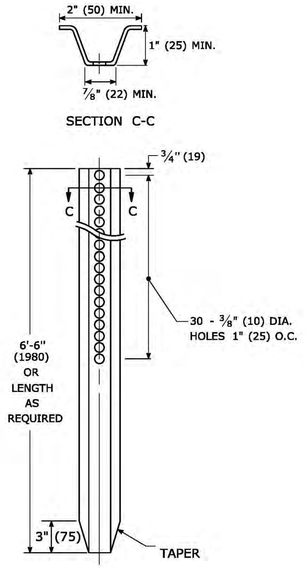
TYPICAL BACK-UP PLATE



BOLTS - STAINLESS STEEL CONFORMING TO ASTM F593, ALLOY GROUP 1 OR 2 (ALLOY TYPES 304 OR 316).
SELF LOCKING NUTS - STAINLESS STEEL CONFORMING TO ASTM F594, ALLOY GROUP 1 OR 2 (ALLOY TYPES 304 OR 316).
WASHERS - STAINLESS STEEL CONFORMING TO ASTM A240, (ALLOY TYPES 304 OR 316).

METAL DELINEATOR POST

WT./FT. = 1.12 LBS. MIN.
(MASS/m = 1.67 kg/m MIN.)



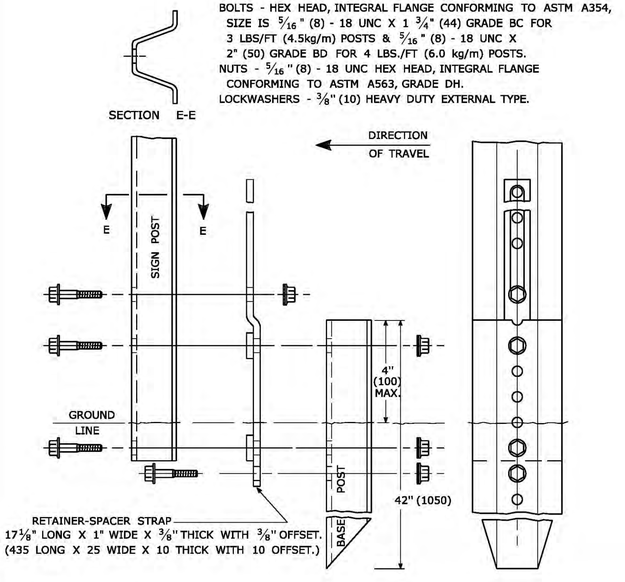
GENERAL NOTES:

1. STEEL FOR DELINEATOR POSTS SHALL BE ASTM A36/A36(m) STEEL. STEEL FOR ALL OTHER POSTS SHALL CONFORM TO THE MECHANICAL REQUIREMENTS OF ASTM A 499 GRADE 60 AND TO THE CHEMICAL REQUIREMENTS OF ASTM A1 CARBON STEEL TEE RAIL HAVING NOMINAL WEIGHT (MASS) OF 91lbs. (45 kg.) OR GREATER PER LINEAR YARD (METER).
2. AFTER FABRICATION, ALL STEEL POSTS, STRAPS AND PLATES SHALL BE GALVANIZED TO MEET THE REQUIREMENTS OF ASTM A123/A123(m).
3. WASHERS FOR BREAKAWAY INSTALLATIONS SHALL MEET ASTM F436, TYPE 1.
4. ALL BOLTS, NUTS, AND WASHERS FOR BREAKAWAY INSTALLATIONS SHALL BE GALVANIZED TO MEET THE REQUIREMENTS OF ASTM A153/A153(m).
5. ALL SIGN POSTS SHALL HAVE BREAKAWAY FEATURES THAT MEET AASHTO REQUIREMENTS CONTAINED IN THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS." THE BREAKAWAY FEATURES SHALL BE STRUCTURALLY ADEQUATE TO CARRY THE SIGNS SHOWN IN THE PLANS AT 60 mph (97 km/h) WIND LOADINGS. INSTALLATIONS SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
6. TYPE A POSTS - 3 lbs/ft (4.5 kg/m) TYPE B POSTS - 4 lbs/ft (6 kg/m).

BREAKAWAY TYPE I INSTALLATION

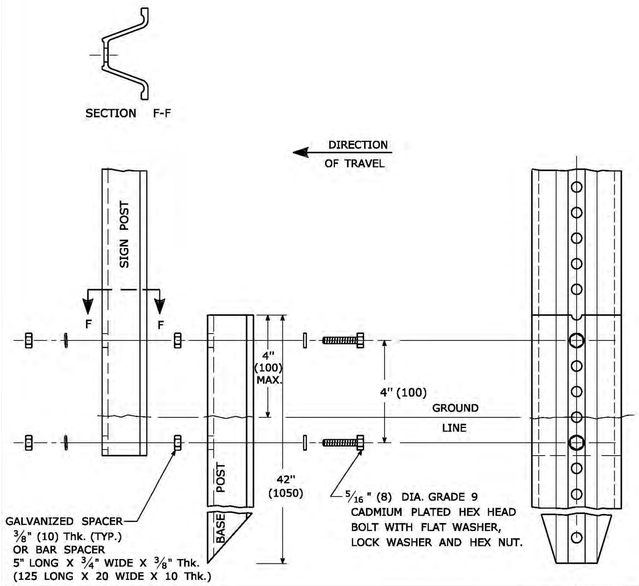
FOR 3 & 4 LB. POSTS
(FOR 4.5 & 6.0 kg/m POSTS)

BOLTS - HEX HEAD, INTEGRAL FLANGE CONFORMING TO ASTM A354, SIZE IS 5/16" (8) - 18 UNC X 1 3/4" (44) GRADE BC FOR 3 LBS/FT (4.5kg/m) POSTS & 5/16" (8) - 18 UNC X 2" (50) GRADE BD FOR 4 LBS./FT (6.0 kg/m) POSTS.
NUTS - 5/16" (8) - 18 UNC HEX HEAD, INTEGRAL FLANGE CONFORMING TO ASTM A563, GRADE DH.
LOCKWASHERS - 3/8" (10) HEAVY DUTY EXTERNAL TYPE.

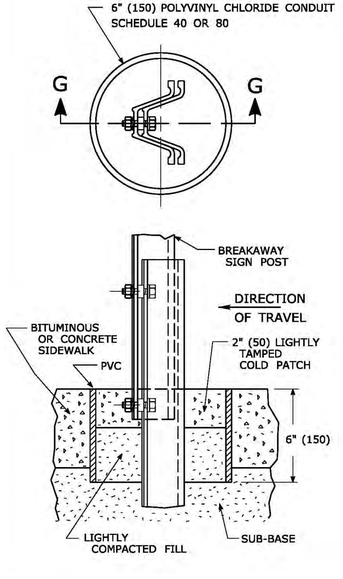


BREAKAWAY TYPE II INSTALLATION

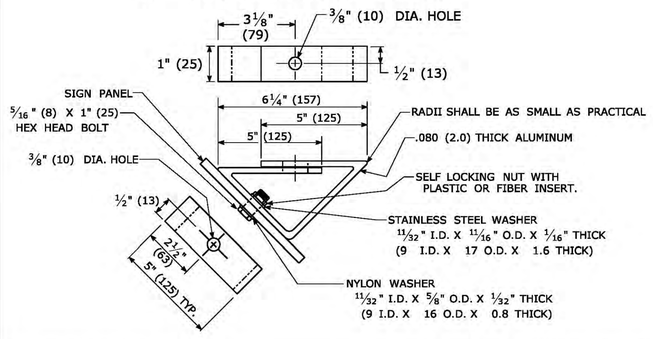
FOR 3 & 4 LB. POSTS
(FOR 4.5 & 6.0 kg/m POSTS)



TYPICAL SLEEVE FOR PAVED AREAS



45° SUBMOUNTING BRACKET



REV.	DATE	REVISION DESCRIPTION
1	2-2011	MINOR REVISIONS.

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Plotted Date: 3/22/2011

DIMENSIONS ARE IN ENGLISH (.') & METRIC UNITS (mm).
METRIC DIMENSIONS ARE ROUNDED:
- OVER 1" TO NEAREST 5 mm
- UNDER 1" TO NEAREST 1 mm.

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: CTDOT_TRAFFIC_STD.dgn Model: TR-1208_02

SUBMITTED BY:	NAME/DATE/TIME:
	Charles S. Harlow 2011.03.22 13:20:01 -04'00'
	Joseph C. Cancelliere 2011.03.24 08:24:54 -04'00'
APPROVED BY:	NAME/DATE/TIME:
	John F. Carey 2011.03.24 09:53:08 -04'00'

CTDOT STANDARD SHEET

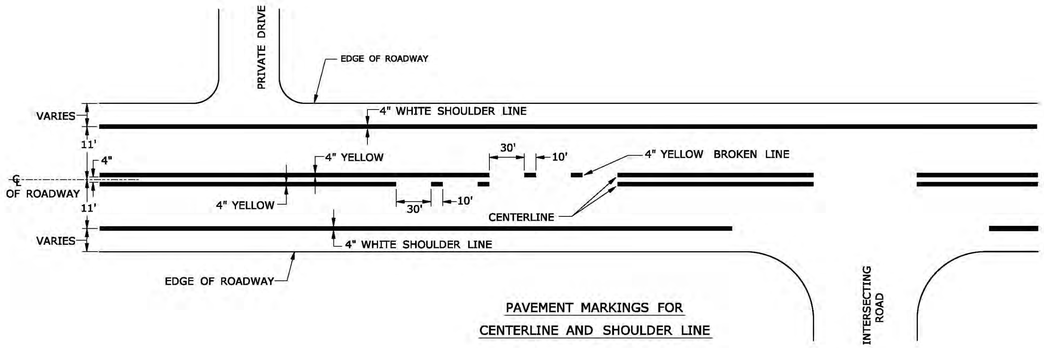
OFFICE OF ENGINEERING

STANDARD SHEET TITLE:

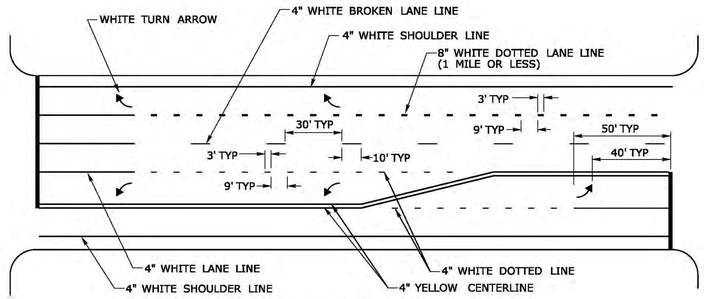
METAL SIGN POSTS AND SIGN MOUNTING DETAILS

STANDARD SHEET NO.:

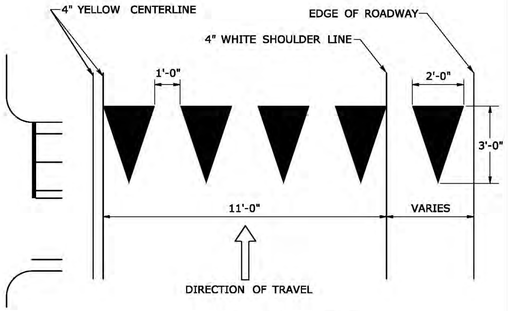
TR-1208_02



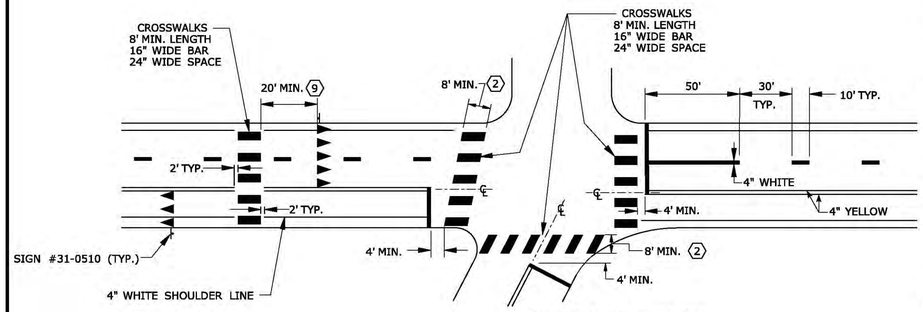
PAVEMENT MARKINGS FOR
CENTERLINE AND SHOULDER LINE



PAVEMENT MARKINGS FOR
TURNING LANES



YIELD LINE DETAIL
(WHITE)



PAVEMENT MARKINGS FOR
STOP BARS, YIELD LINES, AND CROSSWALKS

NOTES:

STOP BARS AND YIELD LINES

1. STOP BARS AND YIELD LINES SHALL BE WHITE.
2. STOP BARS SHALL BE 12" MIN. UNLESS OTHERWISE NOTED ON PLANS.
3. STOP BARS TO BE MARKED A MINIMUM OF 4' IN ADVANCE OF THE NEAREST EDGE OF CROSSWALK AND SHOULD BE PLACED 90° TO THE CENTERLINE OF THE ROADWAY.
4. IN THE ABSENCE OF A MARKED CROSSWALK THE STOP BAR SHOULD BE PLACED 90° TO THE CENTERLINE OF THE ROADWAY, AT THE DESIRED STOPPING POINT AT LEAST 5' AND NO MORE THAN 30' FROM THE NEAREST EDGE OF THE INTERSECTING ROADWAY.
5. THE STOP BAR SHOULD BE PLACED IN LINE WITH THE STOP SIGN. HOWEVER, IF THE STOP SIGN CANNOT BE LOCATED EXACTLY WHERE VEHICLES ARE EXPECTED TO STOP, THE STOP BAR SHOULD BE PLACED AT THE STOPPING POINT.
6. FOR STOP BARS AT RAMPS SEE DETAILS "O" & "P" AND NOTES ON TRAFFIC STANDARD SHEET TR-1210_02 "PAVEMENT MARKINGS FOR DIVIDED HIGHWAYS".
7. YIELD LINES SHOULD BE INSTALLED FROM THE CENTERLINE TO THE CURB LINE/EDGE OF ROAD AND SHOULD BE PLACED 90° TO THE CENTERLINE OF THE ROADWAY.
8. FOR YIELD LINE INSTALLATIONS, ONLY FULL TRIANGLES ARE TO BE INSTALLED.

(9) AT MID-BLOCK CROSSWALKS ONLY, YIELD LINES SHOULD BE INSTALLED 20 TO 50 FEET IN ADVANCE OF THE NEAREST CROSSWALK LINE, OR AS DIRECTED BY THE ENGINEER.

10. THE YIELD LINE SHOULD BE PLACED IN LINE WITH A YIELD SIGN. HOWEVER, IF THE YIELD SIGN CANNOT BE LOCATED EXACTLY WHERE VEHICLES ARE EXPECTED TO YIELD, THE YIELD LINE SHOULD BE PLACED AT THE YIELDING POINT.

CROSSWALKS

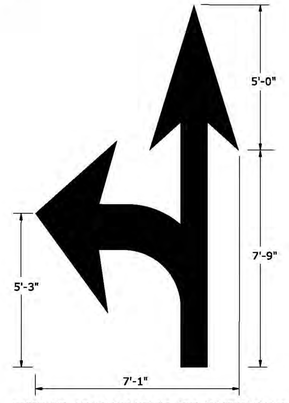
1. CROSSWALK MARKINGS SHALL BE WHITE.

(2) AT LOCATIONS WHERE THE CROSSWALK IS SKEWED, BARS TO BE PARALLEL TO ℄ AND ENDS OF BARS TO BE PARALLEL. THE LENGTH OF THE BARS WILL VARY DEPENDING ON THE ANGLE OF SKEW.

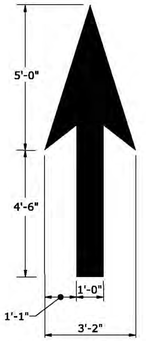
3. BARS SHOULD BE NO CLOSER THAN 1' FROM CURB LINE/EDGE OF ROAD.
4. ONLY FULL LENGTH BARS ARE TO BE INSTALLED.
5. DECORATIVE CROSSWALKS SHALL BE BANDED FROM CURB TO CURB WITH A MINIMUM 12" WIDE WHITE TRANSVERSE LINE ALONG EACH EDGE.
6. 24" WIDE SPACE TO BE CENTERED ON YELLOW CENTERLINE.

RAILROAD GRADE CROSSINGS

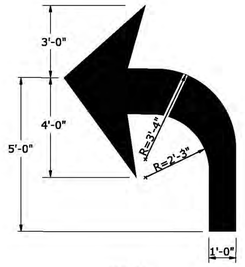
1. RAILROAD MARKINGS SHALL BE WHITE.
2. ON MULTI-LANE ROADS THE TRANSVERSE BANDS SHOULD EXTEND ACROSS THE APPROACH LANES AND INDIVIDUAL R X R SYMBOLS SHOULD BE USED IN EACH APPROACH LANE.



REFER TO ADJACENT VIEWS FOR DIMENSIONING
27.0 S.F.



12.5 S.F.



15.5 S.F.

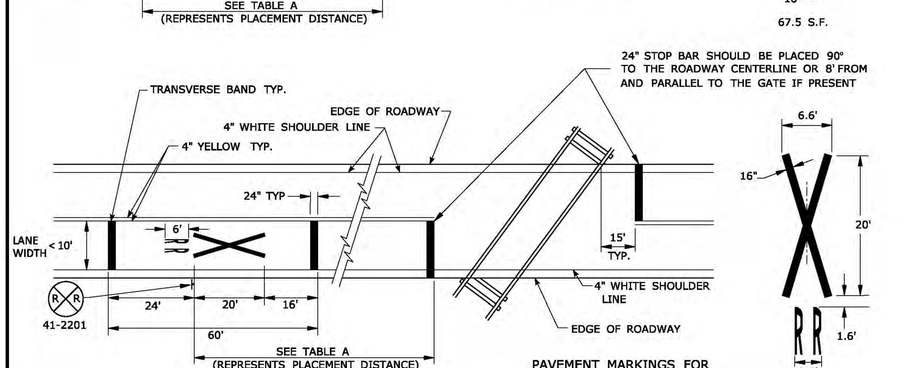


27.0 S.F.
LEFT & RIGHT
ARROW COMBO



38.5 S.F.
3 WAY ARROW
COMBO

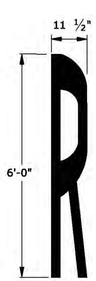
PAVEMENT ARROW DETAILS
(WHITE)
ARROWS SHALL BE CENTERED IN TRAVEL LANE



PAVEMENT MARKINGS FOR
RAILROAD GRADE CROSSINGS

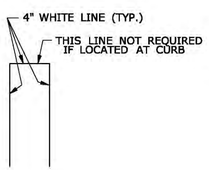
67.5 S.F.

67.5 S.F.

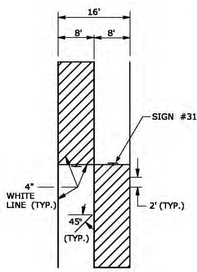


5.75 S.F.

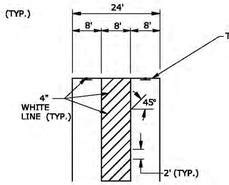
TABLE A	
POSTED OR 85 PERCENTILE SPEED M.P.H.	MINIMUM DISTANCE FT.
20	100
25	100
30	100
35	100
40	125
45	175
50	250
55	325
60	400
65	475



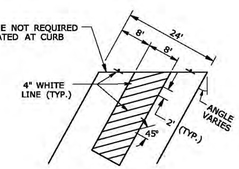
STANDARD
PARKING STALL



(PIGGY BACK STYLE)



(SIDE BY SIDE STYLE)
(SHARED AISLE)



(ANGLED SIDE BY SIDE STYLE)
(SHARED AISLE)

PARKING STALLS FOR HANDICAPPED

NOTES:
PAVEMENT MARKING

1. FOR PAVEMENT MARKINGS ON A CLIMBING LANE SEE DETAIL "L" ON TRAFFIC STANDARD SHEET TR-1210_02 "PAVEMENT MARKINGS FOR DIVIDED HIGHWAYS".
2. AREA OF PAVEMENT MARKINGS AS INDICATED IS APPROXIMATE.
3. FOR PAVEMENT MARKING LINES, STOP BARS AND ARROWS AT RAMPS SEE DETAILS "O" & "P" AND NOTES ON TRAFFIC STANDARD SHEET TR-1210_02 "PAVEMENT MARKINGS FOR DIVIDED HIGHWAYS".
4. RIGHT TURN PAVEMENT MARKINGS ARROWS ARE MIRROR IMAGE OF LEFT TURN PAVEMENT MARKING ARROWS.
5. SHARED AISLES MAY NOT BE USED WHERE CONNECTICUT BUILDING CODE GOVERNS.
6. LANE WIDTHS TO BE 11' UNLESS OTHERWISE NOTED.

REV.	DATE	REVISION DESCRIPTION
3	10-2014	ADDED YIELD LINE DETAIL AND NOTES. REVISED NOTES FOR STOP BARS AND CROSSWALKS. REVISED MARKINGS FOR STOP BARS AND CROSSWALKS. REVISED STANDARD LANE WIDTH. REVISED MARKINGS FOR GRADE CROSSINGS AND TABLE A.
2	12-2013	REMOVED PAVEMENT MARKING ARROWS ON RAMPS NOTES AND ADDED NEW NOTE #3 REFERRING TO SHEET TR-1210_02.
1	2-2011	ADDED PAVEMENT MARKINGS FOR TURNING LANES.

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Plotted Date: 10/9/2014

DIMENSIONS ARE IN ENGLISH (')

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: CTDOT_TRAFFIC_STD.DGN Model: TR-1210_03

SUBMITTED BY: NAME/DATE/TIME:
Mark F. Makuch, P.E.
2014.10.21
08:22:18-04'00'

APPROVED BY: NAME/DATE/TIME:
Charles S. Harlow, P.E.
2014.11.06 13:15:52-05'00'

CTDOT
STANDARD SHEET

OFFICE OF ENGINEERING

STANDARD SHEET TITLE:
SPECIAL DETAILS AND PAVEMENT MARKINGS FOR TWO-WAY HIGHWAYS

STANDARD SHEET NO.:
TR-1210_03

E5 - SERIES

E5-1



COPY & BORDER - WHITE
BACKGROUND - GREEN

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	16.0	48	51-6147	2

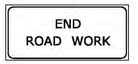
16 - SERIES

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
16-M	5.0	30X24	80-1613	1
16-H	17.5	60X42	80-1608	2
16-E	35.0	84X60	80-1605	2B

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
16-S	10.0	48X30	80-1619	2

G20 - SERIES

G20-2a



	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	8.0	48X24	80-9612	2



	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	9.0	36	80-9711	1
	16.0	48	80-9712	2



VARIABLE MILEAGE

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	7.0	72X14	80-9720	



VARIABLE ARROW
COPY & BORDER - WHITE
BACKGROUND - BLUE

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	9.0	36	50-5934	2

ROAD WORK NEXT 0 MILE(S) BE PREPARED TO STOP

VARIABLE MILEAGE

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	90.0	120X108	80-9728	

M4 - SERIES

M4-8



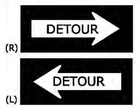
	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	2.0	24X12	80-9707	1

M4-8a



	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	3.0	24X18	80-9708	1

M4-10



	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	6.0	48X18	80-9701R	2
	6.0	48X18	80-9702L	2



VARIABLE ARROW

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	5.0	30X24	80-9710	1

M4-9b



VARIABLE ARROW

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	5.0	30X24	80-9703	1

M4-9b



VARIABLE ARROW

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	6.25	30X30	80-9706	1

R1 - SERIES

R1-1



*
COPY & BORDER - WHITE
BACKGROUND - RED

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	5.19	30	31-0552	1
	13.30	48	31-0557	2

R1-2



*
COPY & BORDER - RED
BACKGROUND - WHITE

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	3.90	36	31-0523	1
	10.83	60	31-0528	2B

R4 - SERIES

R4-7



COPY & BORDER - BLACK
BACKGROUND - WHITE

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	5.0	24X30	31-1526	1

R9 & R11 - SERIES

R9-9



COPY & BORDER - BLACK
BACKGROUND - WHITE

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	3.75	30X18	80-9076	1

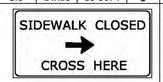
R9-11



VARIABLE ARROW
COPY & BORDER - BLACK
BACKGROUND - WHITE

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	3.0	24X18	80-9074	1

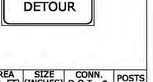
R9-11a



VARIABLE ARROW
COPY & BORDER - BLACK
BACKGROUND - WHITE

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	2.0	24X12	80-9075	1

R11-2



COPY & BORDER - BLACK
BACKGROUND - WHITE

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	10.0	48X30	80-9080	2

R11-3a



VARIABLE MILEAGE
COPY & BORDER - BLACK
BACKGROUND - WHITE

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	12.5	60X30	80-9077	2

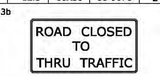
R11-3b



VARIABLE MILEAGE
COPY & BORDER - BLACK
BACKGROUND - WHITE

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	12.5	60X30	80-9078	2

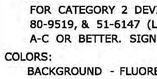
R11-3b



COPY & BORDER - BLACK
BACKGROUND - WHITE

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	12.5	60X30	80-9081	2

R11-3b



COPY & BORDER - BLACK
BACKGROUND - WHITE

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	14.0	48X42	31-1906	2
	22.5	60X54	31-1907	2
	30.0	72X60	31-1908	2B

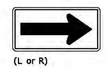
W1 - SERIES

W1-4



	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	9.0	36	80-9432L	1
	9.0	36	80-9431R	1
	16.0	48	80-9452L	2
	16.0	48	80-9451R	2

W1-6



	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	8.0	48X24	80-9424	2
	12.5	60X30	80-9423	2

W1-8



	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	3.0	18X24	80-9401	1
	5.0	24X30	80-9403	1
	7.5	30X36	80-9404	1

BOTH LANES SHIFT LEFT AHEAD (L) / BOTH LANES SHIFT RIGHT AHEAD (R)

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	16.0	48	80-9433L	2
	16.0	48	80-9435R	2

AHEAD (L) / AHEAD (R)

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	25.0	60	80-9483L	2B
	25.0	60	80-9485R	2B

BOTH LANES SHIFT LEFT (L) / BOTH LANES SHIFT RIGHT (R)

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	16.0	48	80-9434L	2
	16.0	48	80-9436R	2

AHEAD (L) / AHEAD (R)

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	25.0	60	80-9443L	2B
	25.0	60	80-9445R	2B

(L) / (R)

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	25.0	60	80-9444L	2B
	25.0	60	80-9446R	2B

W3 - SERIES

W3-1



	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	9.0	36	80-9808	1

W3-1a



OCTAGON - RED W/ WHITE BORDER
ARROW & BORDER - BLACK
BACKGROUND - FLUORESCENT ORANGE

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	9.0	36	80-9050	1
	16.0	48	80-9051	2

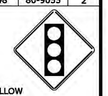
W3-2a



TRIANGLE - RED W/ WHITE BORDER
ARROW & BORDER - BLACK
BACKGROUND - FLUORESCENT ORANGE

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	9.0	36	80-9054	1
	16.0	48	80-9055	2

W3-3

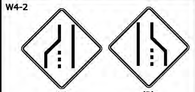


TOP CIRCLE - RED
MIDDLE CIRCLE - YELLOW
BOTTOM CIRCLE - GREEN
COPY & BORDER - BLACK
BACKGROUND - FLUORESCENT ORANGE

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	9.0	36	80-9052	1
	16.0	48	80-9053	2

W4-W6 - SERIES

W4-2



	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	16.0	48	80-9918L	2
	16.0	48	80-9917R	2

W6-3



	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	16.0	48	80-9945	2

W8-W9 - SERIES

W8-1

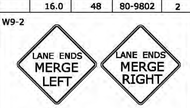


	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	9.0	36	80-9901	1
	16.0	48	80-9902	2



	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	9.0	36	80-9801	1
	16.0	48	80-9802	2

W9-2



	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	16.0	48	80-9910L	2
	16.0	48	80-9911R	2

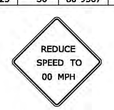
W13 - SERIES

W13-1



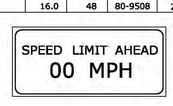
SUBPLATE
VARIABLE SPEED

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	4.0	24	80-9569	1
	6.25	30	80-9567	1



VARIABLE SPEED

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	9.0	36	80-9506	1
	16.0	48	80-9508	2



VARIABLE SPEED

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	12.0	72X24	80-9519	2

W20 - SERIES

W20-1



	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	6.25	30	80-9602	1
	9.0	36	80-9603	1
	16.0	48	80-9604	2

W20-1

VARIABLE DISTANCE

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	9.0	36	80-9614	1
	16.0	48	80-9615	2

W20-2

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	9.0	36	80-9805	1
	16.0	48	80-9806	2

W20-4

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	9.0	36	80-9834	1
	16.0	48	80-9835	2

W20-1

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
(L)	16.0	48	80-9836	2
(R)	16.0	48	80-9839	2

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
(L)	16.0	48	80-9837	2
(R)	16.0	48	80-9838	2

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
(L)	16.0	48	80-9847	2
(R)	16.0	48	80-9848	2

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
(L)	16.0	48	80-9846	2
(R)	16.0	48	80-9849	2

W20-7a

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	9.0	36	80-9803	1
	16.0	48	80-9804	2

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	32.0	96X48	80-9815	2B

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	2.0	24X12	80-9870	
	3.75	30X18	80-9871	

VARIABLE MILEAGE

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	2.5	30X12	80-9872	
	4.5	36X18	80-9873	

W21 - SERIES

W21-6

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	9.0	36	80-9607	1

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	2.0	24X12	80-9912	1

W22 - SERIES

W22-1

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	9.0	36	80-9620	1
	16.0	48	80-9625	2

W22-2

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	10.5	42X36	80-9623	2

W22-3

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	7.5	36X30	80-9622	2
	10.5	42X36	80-9621	2

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	4.17	60X10	80-9913	2
	12.0	96X18	80-9914	2
	3.33	48X10	80-9916	2

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	16.0	48	80-9951	2

BLANK OR
VARIABLE LEGEND

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	9.0	36	80-9933	1
	16.0	48	80-9934	2

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	16.0	48	80-9956	2

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	12.5	60X30	80-9928	2
	24.0	72X48	80-9929	2

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
(1)	16.0	48	80-9957	2
(2)	9.0	36	80-9958	1
(2)	16.0	48	80-9959	2

NOTES:
1. R1-SERIES SIGN THE LEGEND "O.S.T.A." SHALL APPEAR.
2. POSTS - SEE STANDARD SHEET TR-1208_02 - "METAL SIGN POSTS AND SIGN MOUNTING DETAILS".
3. POSTS - TYPE A (EXCEPT WHERE NOTED WITH A "B" FOR TYPE B)
4. ALL POSTS NOTED ARE FOR LONG TERM INSTALLATION. SEE STANDARD SHEET TR-1208_02.
5. FOR TEMPORARY SUPPORTS SEE STANDARD SHEET TR-1220_02 - "CONSTRUCTION SIGN SUPPORTS AND CHANNELIZING DEVICES".
6. FOR SPECIFIC SIGN DESIGN, CONTACT CONN. D.O.T., DIVISION OF TRAFFIC ENGINEERING. FOR BOLT HOLE PATTERN REFER TO FHWA PUBLICATION "STANDARD HIGHWAY SIGNS". SIGNS OF DIFFERENT DIMENSIONS TO BE ERECTED ON THE SAME POSTS, OR SPAN/MAST ARM MOUNTED, MAY REQUIRE SPECIAL BOLT HOLE PATTERNS.
7. ALL CONSTRUCTION SIGNS TO BE PAID FOR UNDER THE CONSTRUCTION SIGNS ITEM IN THE CONTRACT.
8. MATERIALS & COLORS SHALL CONFORM TO STATE SPECIFICATIONS.

MATERIALS:
SIGNS AND THEIR PORTABLE SUPPORTS SHALL CONFORM TO THE REQUIREMENTS OF NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH FOR CATEGORY 2 DEVICES. ALUMINUM THICKNESS FOR POST MOUNTED SIGNS SHALL BE .100" EXCEPT SIGN #s. 80-9815, 80-9728, 80-9519, & 51-6147 (L OR R) WHICH SHALL BE .125", PLYWOOD THICKNESS FOR POST MOUNTED SIGNS SHALL BE 1/2" EXTERIOR GRADE A-C OR BETTER. SIGN BLANKS SHALL HAVE ONE COAT OF PRIMER PAINT PRIOR TO APPLICATION OF RETROREFLECTIVE SHEETING & COPY.

COLORS:
BACKGROUND - FLUORESCENT ORANGE - EXCEPT AS NOTED.
LEGEND - BLACK - EXCEPT AS NOTED.
ALL SIGNS WITH FLUORESCENT ORANGE BACKGROUND TO USE TYPE VIII RETROREFLECTIVE SHEETING.
ALL OTHER SIGNS TO USE TYPE IV RETROREFLECTIVE SHEETING EXCEPT AS NOTED BY *.
* SIGNS TO USE TYPE IX RETROREFLECTIVE SHEETING.

STOP-SLOW PADDLE

SIDE A
BACKGROUND - RED
COPY & BORDER - WHITE
SIDE B
BACKGROUND - ORANGE
COPY & BORDER - BLACK PLAIN

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	2.51	19	80-9950	PADDLE

COPY & BORDER - BLACK
BACKGROUND - YELLOW

	AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS
	2.0	12X24	41-0815	

REV.	DATE	REVISION DESCRIPTION
5	8-2015	UPDATED PER MUTCD AND FORM 816 JAN 2015 REVISION.
4	6-2012	REVISED NOTE #1 TO REFERENCE "O.S.T.A."
3	4-2012	REVISED NEW SIGNAL SIGN(S) TO CONFORM TO 2009 MUTCD.
2	2-2011	MINOR REVISIONS.
1	3-2010	REMOVED OBSOLETE SIGNS (50-5925, 50-5935).

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Plotted Date: 8/25/2015

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: CTDOT_TRAFFIC_STD.DGN Model: TR-1220_01

SUBMITTED BY: NAME/DATE/TIME:
Mark F. Makuch, P.E.
2015.08.26 07:15:03-04'00'

APPROVED BY: NAME/DATE/TIME:
Charles S. Harlow, P.E.
2015.08.28 11:40:30-04'00'

CTDOT STANDARD SHEET

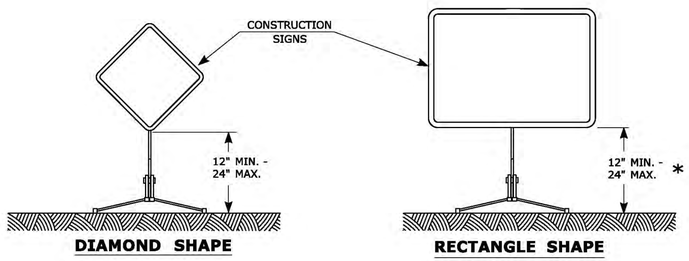
OFFICE OF ENGINEERING

STANDARD SHEET TITLE:

SIGNS FOR CONSTRUCTION AND PERMIT OPERATIONS

STANDARD SHEET NO.:

TR-1220_01

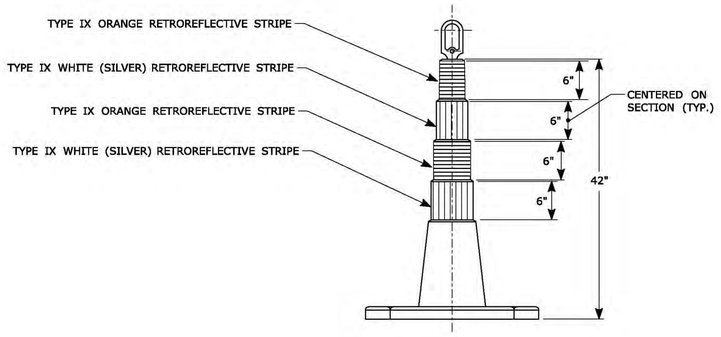


PORTABLE CONSTRUCTION SIGNS

NOTES FOR PORTABLE SIGN SUPPORTS:

1. SIGNS AND THEIR PORTABLE SUPPORTS SHALL CONFORM TO THE REQUIREMENTS OF NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH FOR CATEGORY 2 DEVICES AND THE LATEST EDITION OF THE MUTCD.
2. MOUNTING HEIGHT OF SIGNS SHALL BE A MINIMUM OF 12" AND A MAXIMUM OF 24". SIGNS SHALL BE MOUNTED HIGHER AS NEEDED TO MEET FIELD CONDITIONS OR AS DIRECTED BY THE ENGINEER.
3. THE ENGINEER RESERVES THE RIGHT TO REJECT ANY SUPPORT DEEMED UNSUITABLE FOR THE PURPOSE INTENDED.
4. PORTABLE SIGN SUPPORTS SHALL BE STABILIZED IN A MANNER THAT WILL NOT AFFECT THEIR COMPLIANCE WITH NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH FOR CATEGORY 2 DEVICES.
5. PORTABLE CONSTRUCTION SIGN SUPPORTS SHOULD NOT BE USED FOR DURATION OF MORE THAN 3 DAYS EXCEPT FOR R9-8 THROUGH R9-11a SERIES, R11 SERIES, W1-6 THROUGH W1-8 SERIES, M4-10, AND E5-1. SEE STANDARD SHEET TR-1220_01 - "SIGNS FOR CONSTRUCTION AND PERMIT OPERATIONS" FOR SIGN DETAILS.

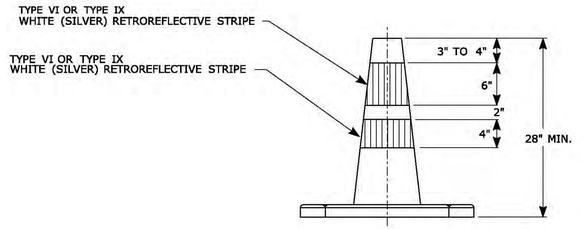
* FOR E5-1 (EXIT SIGNS) USE MIN 48".



42" TRAFFIC CONE

NOTES:

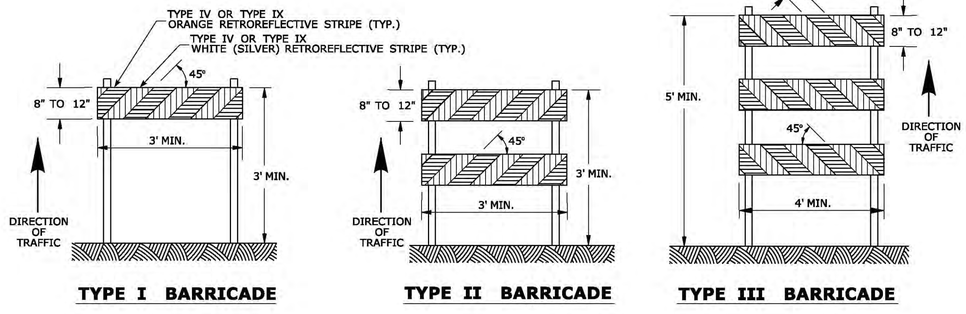
1. TRAFFIC CONES SHALL CONFORM TO THE REQUIREMENTS OF NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH FOR CATEGORY 1 DEVICES AND THE LATEST EDITION OF THE MUTCD.
2. IF RUBBER CONES ARE USED, THEY SHALL HAVE INTERIOR RIBS FOR RIGIDITY.
3. IF PLASTIC CONES ARE USED, THEY SHALL BE COLOR IMPREGNATED.
4. THE ENGINEER RESERVES THE RIGHT TO REJECT ANY CONE DEEMED UNSUITABLE FOR THE PURPOSE INTENDED.
5. THE ENTIRE AREA OF ORANGE AND WHITE STRIPES SHALL BE RETROREFLECTIVE SHEETING AS REQUIRED IN THE SPECIFICATIONS.
6. THE SECTIONS OF CONES NOT COVERED WITH RETROREFLECTIVE STRIPES SHALL BE ORANGE.



TRAFFIC CONE

NOTES:

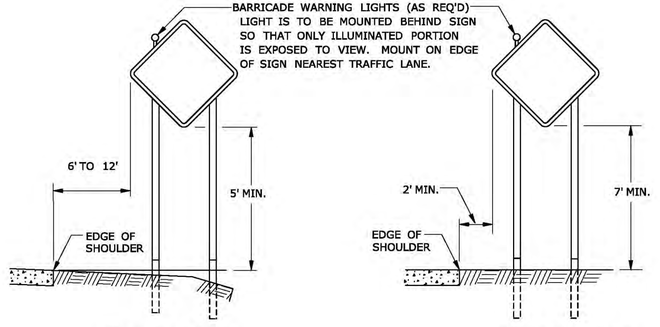
1. TRAFFIC CONES SHALL CONFORM TO THE REQUIREMENTS OF NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH FOR CATEGORY 1 DEVICES AND THE LATEST EDITION OF THE MUTCD.
2. IF RUBBER CONES ARE USED, THEY SHALL HAVE INTERIOR RIBS FOR RIGIDITY.
3. IF PLASTIC CONES ARE USED, THEY SHALL BE COLOR IMPREGNATED.
4. THE ENGINEER RESERVES THE RIGHT TO REJECT ANY CONE DEEMED UNSUITABLE FOR THE PURPOSE INTENDED.
5. TRAFFIC CONES NOT USED AT NIGHT MAY UTILIZE TYPE III SHEETING.
6. THE SECTIONS OF CONES NOT COVERED WITH RETROREFLECTIVE STRIPES SHALL BE ORANGE.



CONSTRUCTION BARRICADES

NOTES:

1. CONSTRUCTION BARRICADES SHALL CONFORM TO THE REQUIREMENTS OF NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH AND THE LATEST EDITION OF THE MUTCD.
2. MARKINGS FOR BARRICADE RAILS SHALL BE ALTERNATE ORANGE AND WHITE STRIPES SLOPING DOWNWARD IN THE DIRECTION TRAFFIC IS TO PASS. 6" WIDE STRIPES SHALL BE USED.
3. THE ENTIRE AREA OF ORANGE AND WHITE STRIPES SHALL BE RETROREFLECTIVE SHEETING AS REQUIRED IN THE SPECIFICATIONS. THE SIDES OF BARRICADES FACING TRAFFIC SHALL HAVE RETROREFLECTIVE RAIL FACES.
4. THE ENGINEER RESERVES THE RIGHT TO REJECT ANY BARRICADE DEEMED UNSUITABLE FOR THE PURPOSE INTENDED.
5. CORNERS OF BARRICADE RAILS SHALL BE ROUNDED.
6. SIGNS MAY ONLY BE INSTALLED ON TYPE III BARRICADES AND SHALL BE PLACED SO AS TO COVER NO MORE THAN ONE BARRICADE RAIL.

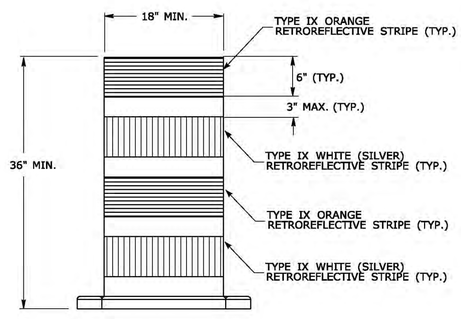


PLACEMENT OF CONSTRUCTION SIGNS TYPICAL LONG TERM INSTALLATION

NOTES:

SUPPORTS SHALL BE METAL SIGN POSTS AND HAVE BREAK-AWAY FEATURES.

SEE TYPICAL SHEETS:
"TYPICAL SIGN SUPPORT AND SIGN PLACEMENT DETAILS-GORE EXIT SIGN"
"TYPICAL METAL SIGN POSTS AND SIGN MOUNTING DETAILS"



TRAFFIC DRUM FRONT VIEW

NOTES:

1. TRAFFIC DRUM SHALL CONFORM TO THE REQUIREMENTS OF NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH FOR CATEGORY 1 DEVICES AND THE LATEST EDITION OF THE MUTCD.
2. THE ENGINEER RESERVES THE RIGHT TO REJECT ANY DRUM DEEMED UNSUITABLE FOR THE PURPOSE INTENDED.
3. THE ENTIRE AREA OF ORANGE AND WHITE STRIPES SHALL BE RETROREFLECTIVE SHEETING AS REQUIRED IN THE SPECIFICATIONS.
4. THE SECTIONS OF DRUMS NOT COVERED WITH RETROREFLECTIVE STRIPES SHALL BE ORANGE.

REV.	DATE	REVISION DESCRIPTION
2	8-2015	UPDATED PER MUTCD AND FORM 816 JAN 2015 REVISION.
1	2-2011	MINOR REVISIONS.

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Plotted Date: 8/14/2015

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: CTDOT_TRAFFIC_STD.DGN Model: TR-1220_02

SUBMITTED BY: NAME/DATE/TIME: Mark F. Makuch, P.E. 2015.08.26 07:15:47-04'00'

APPROVED BY: NAME/DATE/TIME: Charles S. Harlow, P.E. 2015.08.28 11:40:57-04'00'

CTDOT STANDARD SHEET

OFFICE OF ENGINEERING

STANDARD SHEET TITLE:

CONSTRUCTION SIGN SUPPORTS AND CHANNELIZING DEVICES

STANDARD SHEET NO.: TR-1220_02