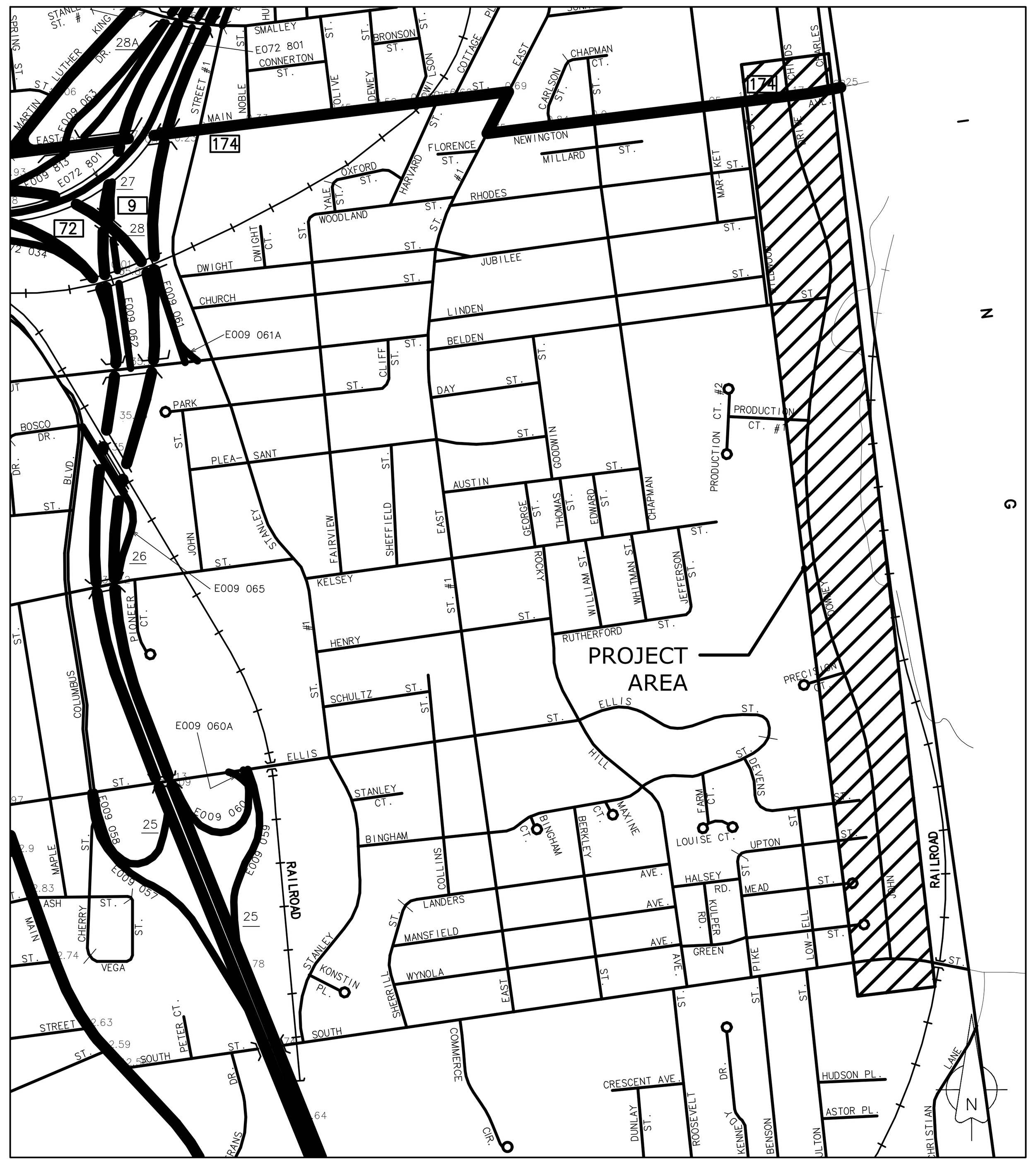


LOCATION MAP

(NOT TO SCALE)

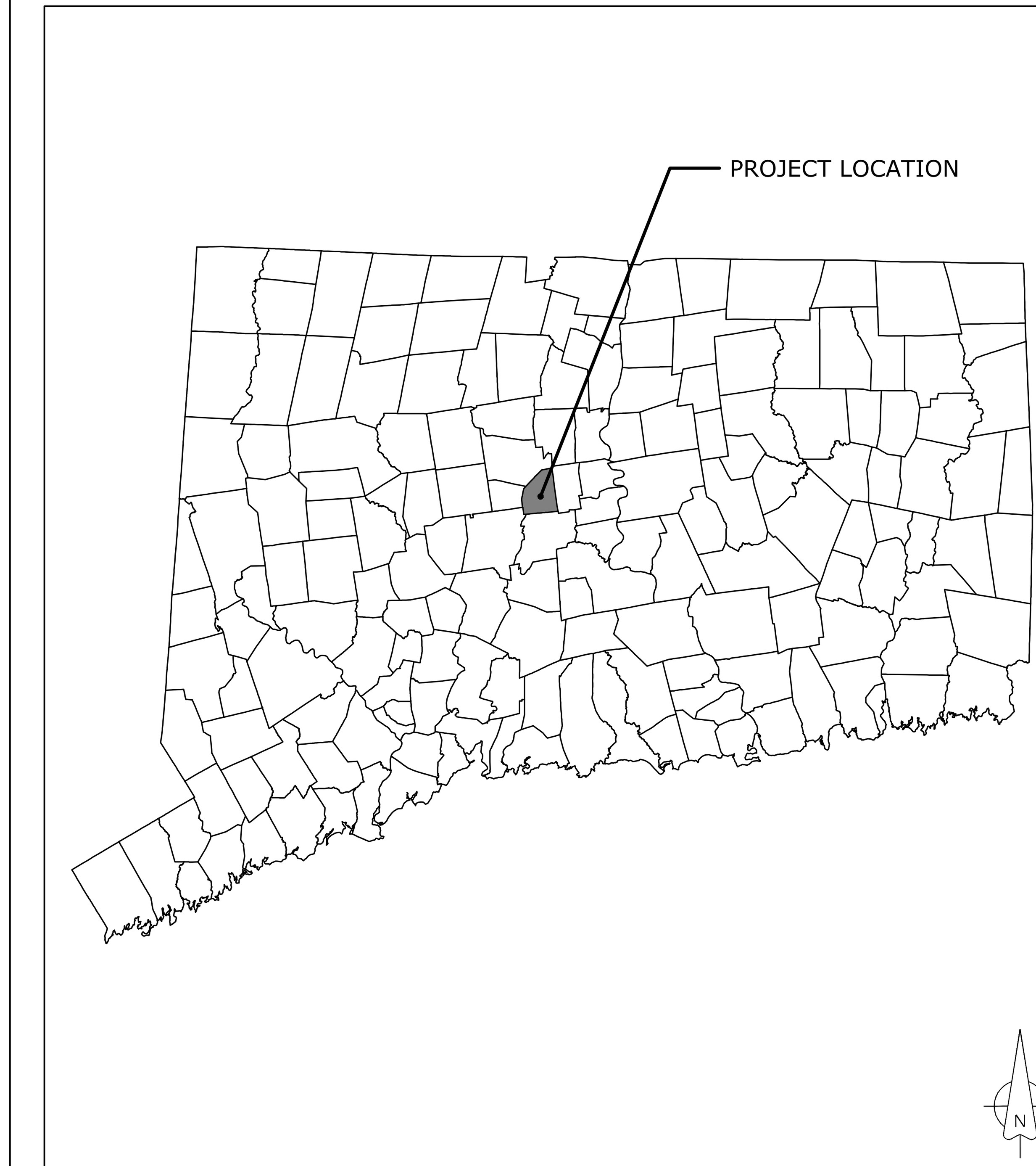
CITY OF NEW BRITAIN
DEPARTMENT OF PUBLIC WORKS
PLANS FOR

JOHN DOWNEY DRIVE
CORRIDOR IMPROVEMENTS

IN THE CITY OF
NEW BRITAIN, CONNECTICUT
DECEMBER 2023

FINAL DESIGN
SUBMISSION

BID NO. 4144
STATE PROJECT NO. L088-0004



CITY OF NEW BRITAIN

(NOT TO SCALE)

NOTES:

ELEVATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM ON 1988 (NAVD 1988) USING GEOID 12B.

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

GOVERNING SPECIFICATIONS AND STANDARD DETAILS:

1) THE CTDOT "STANDARD SPECIFICATIONS FOR ROADS, BRIDGES, FACILITIES AND INCIDENTAL CONSTRUCTION" FORM 818 DATED 2020 AND LATEST SUPPLEMENT DATED JULY 2022

LIST OF DRAWINGS

DRAWING NUMBER	DRAWING TITLE
CVR-01	COVER SHEET
IND-01	INDEX OF PLANS
SVY-01 TO 07	EXISTING CONDITIONS MAP
GEN-01	GENERAL NOTES
TYP-01	TYPICAL SECTIONS
MDS-01 TO 04	MISCELLANEOUS DETAILS
RWY-01 TO 14	ROADWAY PLANS
PRO-01 TO 06	PROFILE SHEETS
DMS-01 TO 14	DRAINAGE, PAVEMENT MARKINGS AND SIGNING PLANS
TCS-01 TO 02	TRAFFIC CONTROL SIGNAL PLANS
MA-01 TO 03	MAST ARM DETAILS
RMP-01 TO 05	CONCRETE SIDEWALK RAMPS
	CTDOT STANDARD DETAIL SHEETS

PROJECT LIMITS

JOHN DOWNEY DRIVE - STA. 100+25 TO STA. 166+00 - COLLECTOR

MAINTENANCE OF ALL CORRIDORS IN PROJECT TO BE RESPONSIBILITY OF THE CITY

DESIGN SPEED

JOHN DOWNEY DRIVE
V = 25 MPH

HONORABLE ERIN E. STEWART - MAYOR
MARK E. MORIARTY, P.E. - DIRECTOR OF PUBLIC WORKS
ROBERT TROTTIER, P.E. - CITY ENGINEER

PREPARED BY:

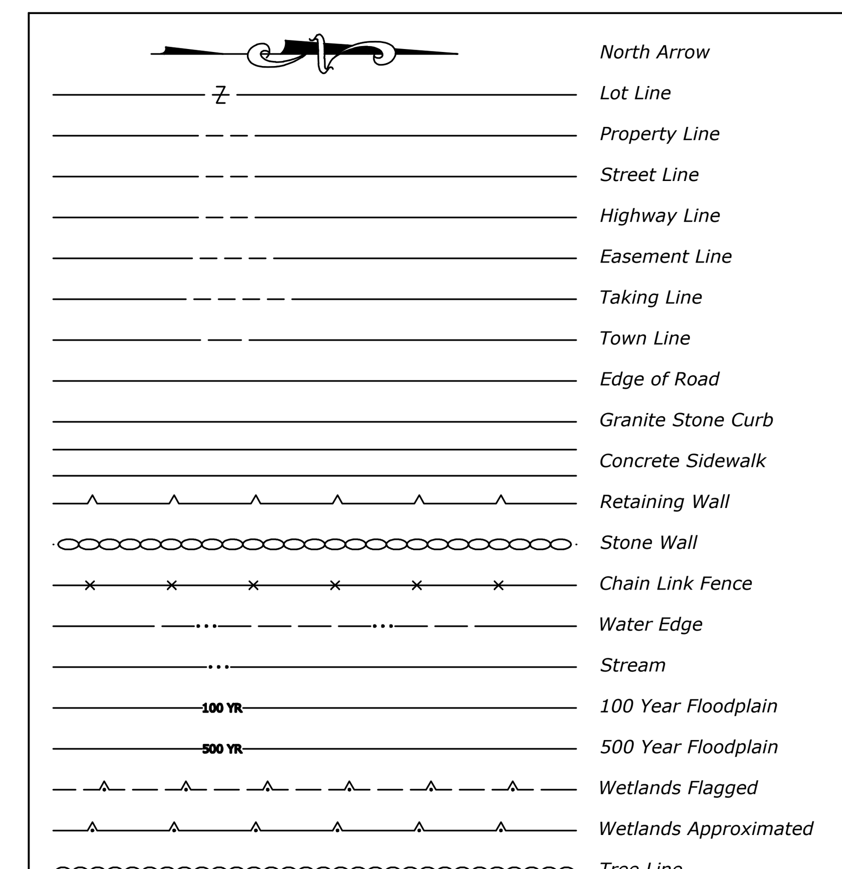
DEPARTMENT OF PUBLIC WORKS
CITY HALL
27W. MAIN ST.
NEW BRITAIN, CT. 06051
(860) 826 - 3350

Submitted By: ______________________
City Engineer

Approved By: ______________________
Mayor

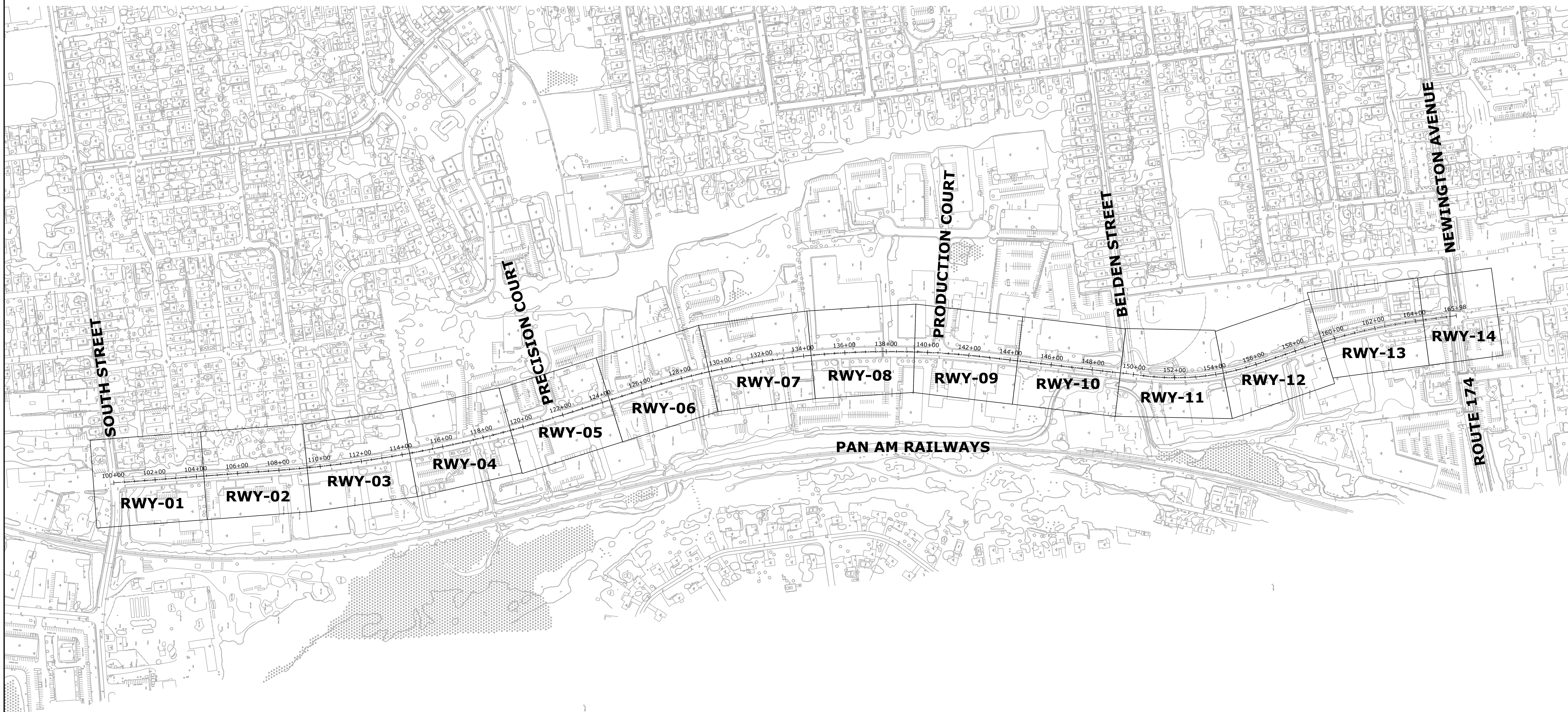
SEAL OF THE CITY OF NEW BRITAIN, CT. 1871

STANDARD CONVENTIONS



STANDARD ABBREVIATIONS

ANCH.	ANCHORAGE
BIT. CONC.	BITUMINOUS CONCRETE
BCLC	BITUMINOUS CONCRETE LIP CURBING
BL	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
PL	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
S.L.	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



N

CITY OF NEW BRITAIN
27 WEST MAIN STREET
NEW BRITAIN, CT 06051
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

PROJECT TITLE
JOHN DOWNEY DRIVE
CORRIDOR IMPROVEMENTS

DRAWING TITLE
INDEX OF PLANS

FILENAME: PS-88L-004-IND-01.dwg

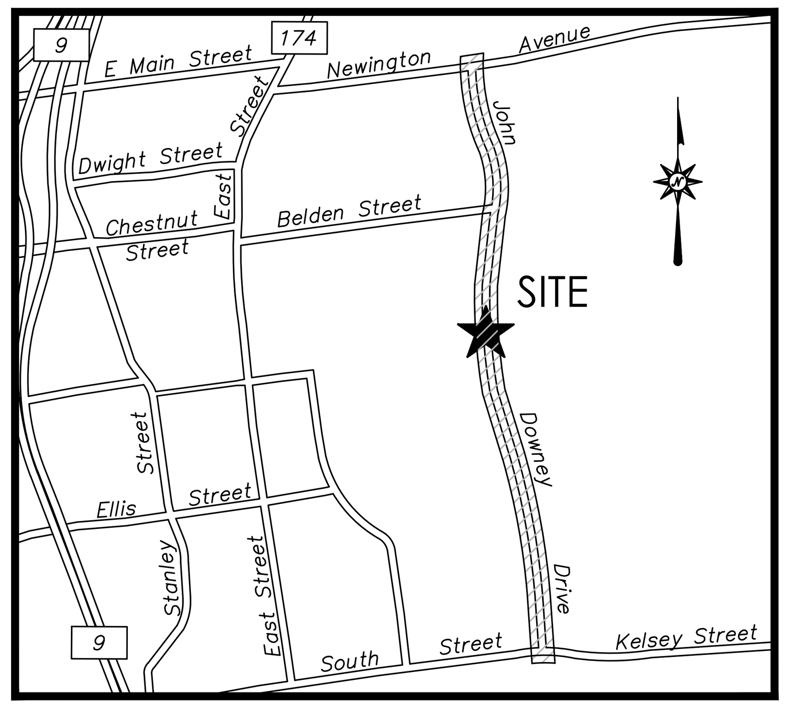
DRAWN BY
J OUTLAW
CHECKED BY
R TROTTIER

1" = 250'
~~NOT TO SCALE~~
0 250 500
SCALE

REV.	DATE	REVISION DESCRIPTION

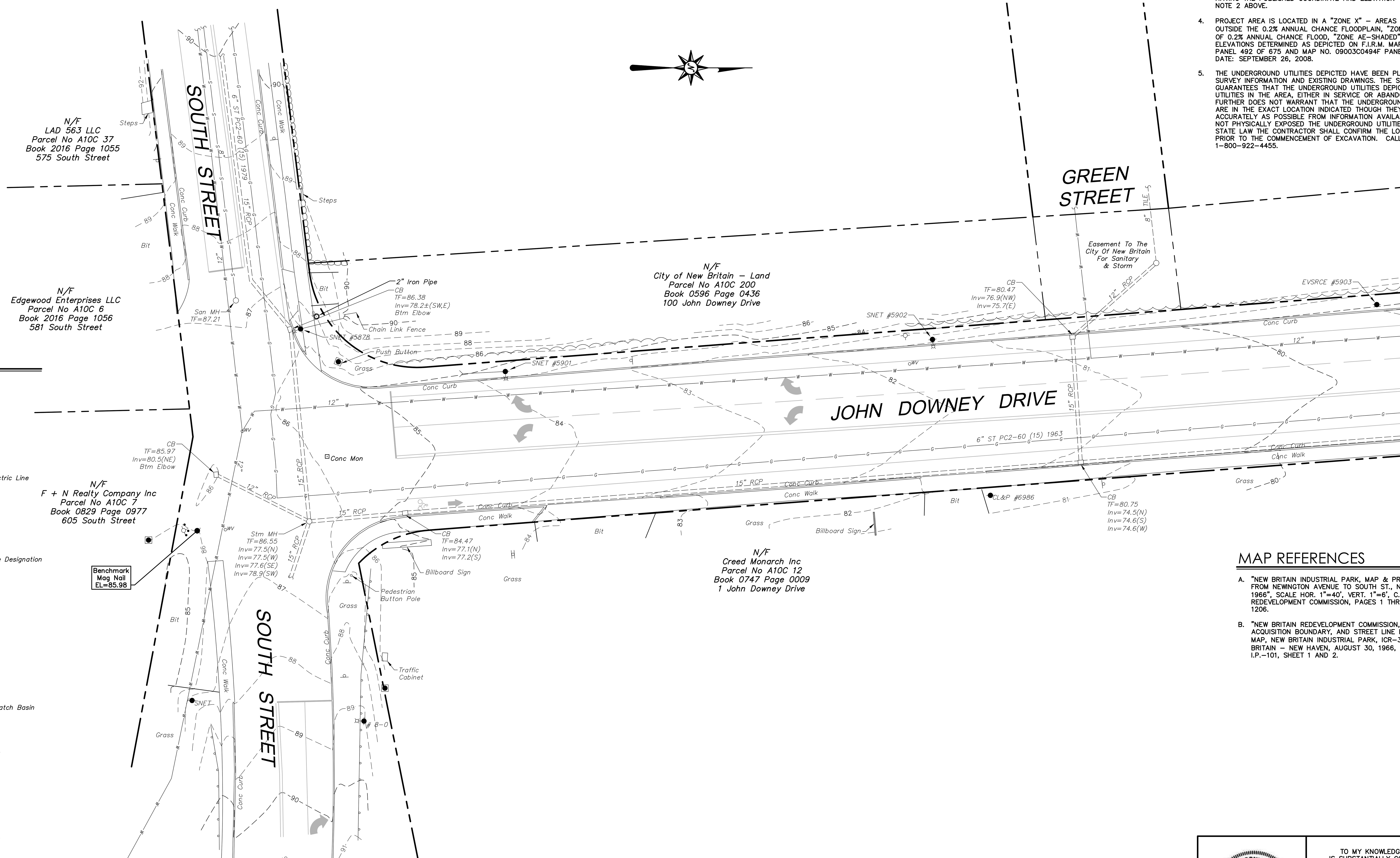
DATE: December 29, 2023

PROJECT NUMBER
L088-0004
DRAWING NUMBER
IND-01



LOCATION MAP

NOT TO SCALE



LEGEND

- Property Line
- Major Contour
- Minor Contour
- Retaining Wall
- Guide Rail
- Fence
- Overhead Wires
- Underground Electric Line
- Gas Line
- Sanitary Sewer
- Storm Sewer
- Water Line
- Flood Zone
- ZONE X — FEMA Flood Zone Designation
- Handhole
- Electric Meter
- Utility Pole
- Guy Wire
- Light Pole
- GV — Gas Valve
- GM — Gas Meter
- Cleanout
- CB — Catch Basin
- Double Type II Catch Basin
- MH — Manhole
- Span Pole
- Pedestrian Signal
- Fire Hydrant
- WV — Water Valve
- WM — Water Meter
- Sign
- Bollard
- Handicap Symbol
- Mail Box
- Monitoring Well
- Irrigation Control Box
- Deciduous Tree
- Coniferous Tree

GRAPHIC SCALE

20 10 0 20

SCALE IN FEET

GENERAL NOTES

1. A) THIS MAP HAS BEEN PREPARED IN ACCORDANCE WITH THE REGULATIONS OF CONNECTICUT STATE AGENCIES, SECTIONS 20–300b–1 THROUGH 20–300b–20 AND THE "STANDARDS AND SUGGESTED METHODS AND PROCEDURES FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" PREPARED AND ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. AUGUST 29, 2019.

   B) THIS PLAN CONFORMS TO HORIZONTAL ACCURACY CLASS A–2 AND TOPOGRAPHIC ACCURACY CLASS T–2. PROPERTY/ROW LINES DEPICTED HEREON CONFORM TO ACCURACY CLASS D.

   C) PROPERTY/ROW LINES ARE APPROXIMATE AND FOR ORIENTATION PURPOSES ONLY, THEY DO NOT REPRESENT A PROPERTY/BOUNDARY OPINION.

   D) THE TYPE OF SURVEY PERFORMED IS A TOPOGRAPHIC SURVEY AND IS INTENDED TO DEPICT THE EXISTING CONDITIONS WITH RESPECT TO STRUCTURES, EASEMENTS, ENCROACHMENTS, VISIBLE UTILITIES, ROADWAYS AND CONTOURS.

2. NORTH ARROW REFERS TO THE CONNECTICUT STATE PLANE COORDINATE SYSTEM (CT NAD 83 – 2001 EPOCH) AND ARE BASED ON GPS OBSERVATIONS PERFORMED BY BL COMPANIES DURING MARCH 2022 REFERENCED TO THE C.O.R.S. NETWORK BASE STATION "CTNE" LOCATED IN NEWINGTON, CT HOLDING THE FOLLOWING PUBLISHED VALUES:
   SURVEY UNITES: U.S. SURVEY FEET
   STATION: PID (DH7113)
   COORDINATES (FT): N:806142.77, E:1009694.65
   ELLIPSOIDAL HEIGHT (FT): 136.98 (41.75 M)

3. ELEVATIONS REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). THE DATUM WAS DETERMINED BY USING (GEOID 18) AND ARE BASED ON GPS OBSERVATIONS PERFORMED BY BL COMPANIES IN MARCH 2022 AND REFERENCED TO C.O.R.S. BASE STATION "CTNE" LOCATED IN NEWINGTON, CT HAVING THE PUBLISHED COORDINATE AND ELEVATION VALUES AS DESCRIBED IN NOTE 2 ABOVE.

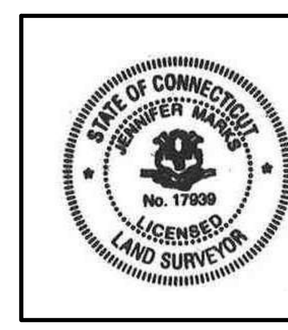
4. PROJECT AREA IS LOCATED IN A "ZONE X" – AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN, "ZONE X–SHADED" – AREAS OF 0.2% ANNUAL CHANCE FLOOD, "ZONE AE–SHADED" – BASE FLOOD ELEVATIONS DETERMINED AS DEPICTED ON F.I.R.M. MAP NO. 09003C0492F PANEL 492 OF 675 AND MAP NO. 09003C0494F PANEL 494 OF 675 EFFECTIVE DATE: SEPTEMBER 26, 2008.

5. THE UNDERGROUND UTILITIES DEPICTED HAVE BEEN PLOTTED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES DEPICTED COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES DEPICTED ARE IN THE EXACT LOCATION INDICATED THOUGH THEY ARE PLOTTED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY EXPOSED THE UNDERGROUND UTILITIES. PER CONNECTICUT STATE LAW THE CONTRACTOR SHALL CONFIRM THE LOCATION OF ALL UTILITIES PRIOR TO THE COMMENCEMENT OF EXCAVATION. CALL BEFORE YOU DIG 1–800–922–4455.

MAP REFERENCES

A. "NEW BRITAIN INDUSTRIAL PARK, MAP & PROFILE OF JOHN DOWNEY DRIVE FROM NEWINGTON AVENUE TO SOUTH ST., NEW BRITAIN, CONN., OCTOBER 1966", SCALE HOR. 1"=40', VERT. 1"=6', C.E., NEW BRITAIN REDEVELOPMENT COMMISSION, PAGES 1 THROUGH 6, FILED AS D14, MAP 1206.

B. "NEW BRITAIN REDEVELOPMENT COMMISSION, NEW BRITAIN, CONN., PROJECT ACQUISITION BOUNDARY, AND STREET LINE MAP AND DISPOSITION PARCEL MAP, NEW BRITAIN INDUSTRIAL PARK, ICR–3", CAHN ENGINEERS, NEW BRITAIN – NEW HAVEN, AUGUST 30, 1966, SCALE 1"=100', DWG. NO. 095 I.P.–101, SHEET 1 AND 2.



TO MY KNOWLEDGE AND BELIEF THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

Jennifer Marks

JENNIFER MARKS L.S. #17939

NO CERTIFICATION IS EXPRESSED OR IMPLIED UNLESS THIS MAP BEARS THE ORIGINAL SIGNATURE AND EMBOSSED SEAL OF THE ABOVE NAMED LAND SURVEYOR.

Architecture
Engineering
Environmental
Land Surveying

BL Companies

355 Research Parkway
Meriden, CT 06450
(203) 630-1406
(203) 630-2615 Fax

STREET AND PEDESTRIAN IMPROVEMENTS

JOHN DOWNEY DRIVE

NEW BRITAIN, CONNECTICUT

REVISIONS

No.	Date	Desc.
1.	7/10/2023	Revised Per Comments.

Surveyed	NS, JM
Drawn	KS
Reviewed	PJC
Scale	1"=20'
Project No.	2200163
Date	3/10/22
Field Book	563-48,49,52,53
CAD File:	EX220016301

Title

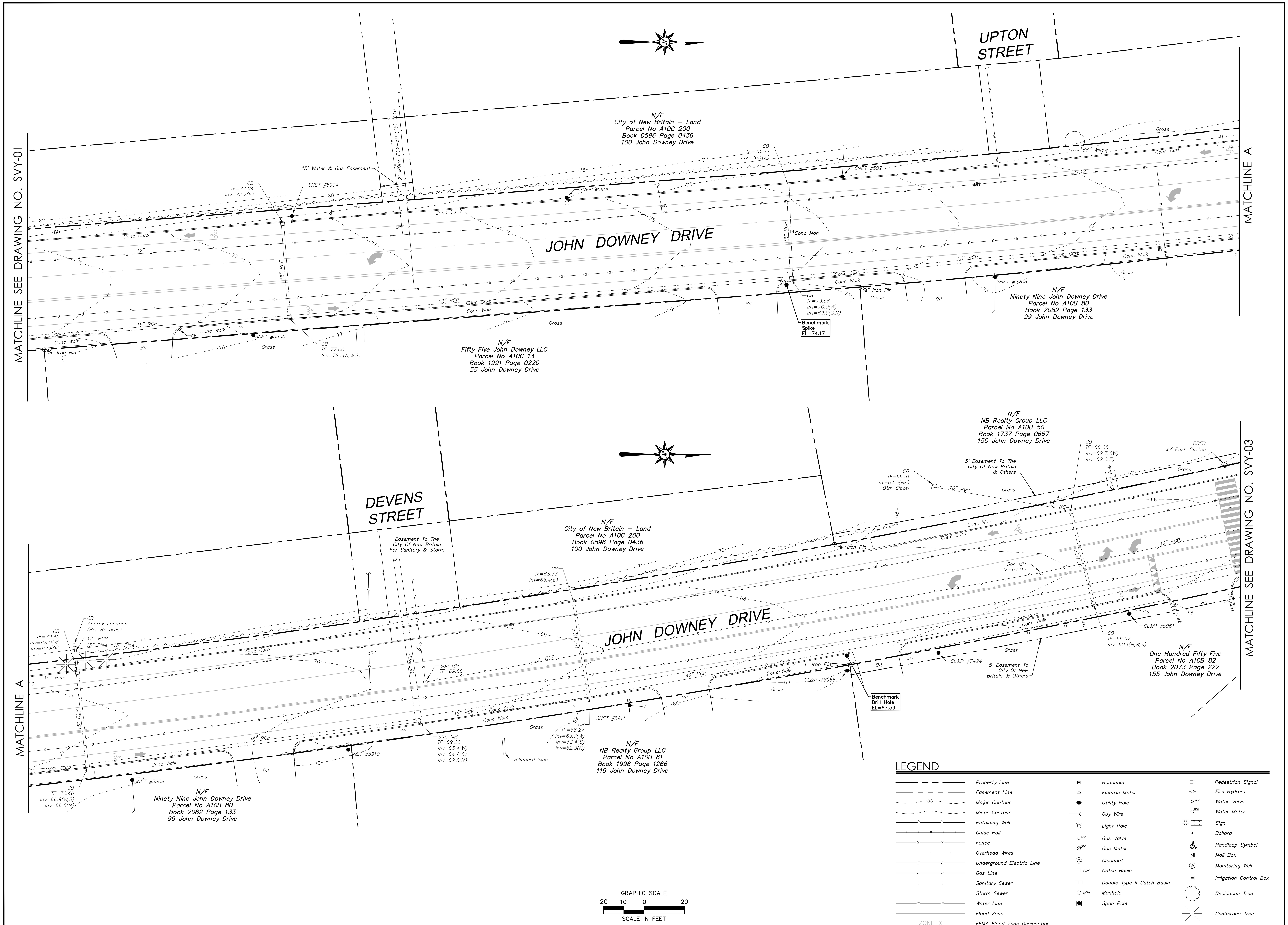
TOPOGRAPHIC & RIGHTS OF WAY SURVEY

Drawing No.

SVY-01

Xref (s): ; XY220016301

Jul 11, 2023 8:51am jschrager G:\JOBS22\00\2200163\DWG\EX220016301.dwg
Layout: SVY-01 24X36 1of7



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STREET AND PEDESTRIAN IMPROVEMENTS
JOHN DOWNEY DRIVE
NEW BRITAIN, CONNECTICUT

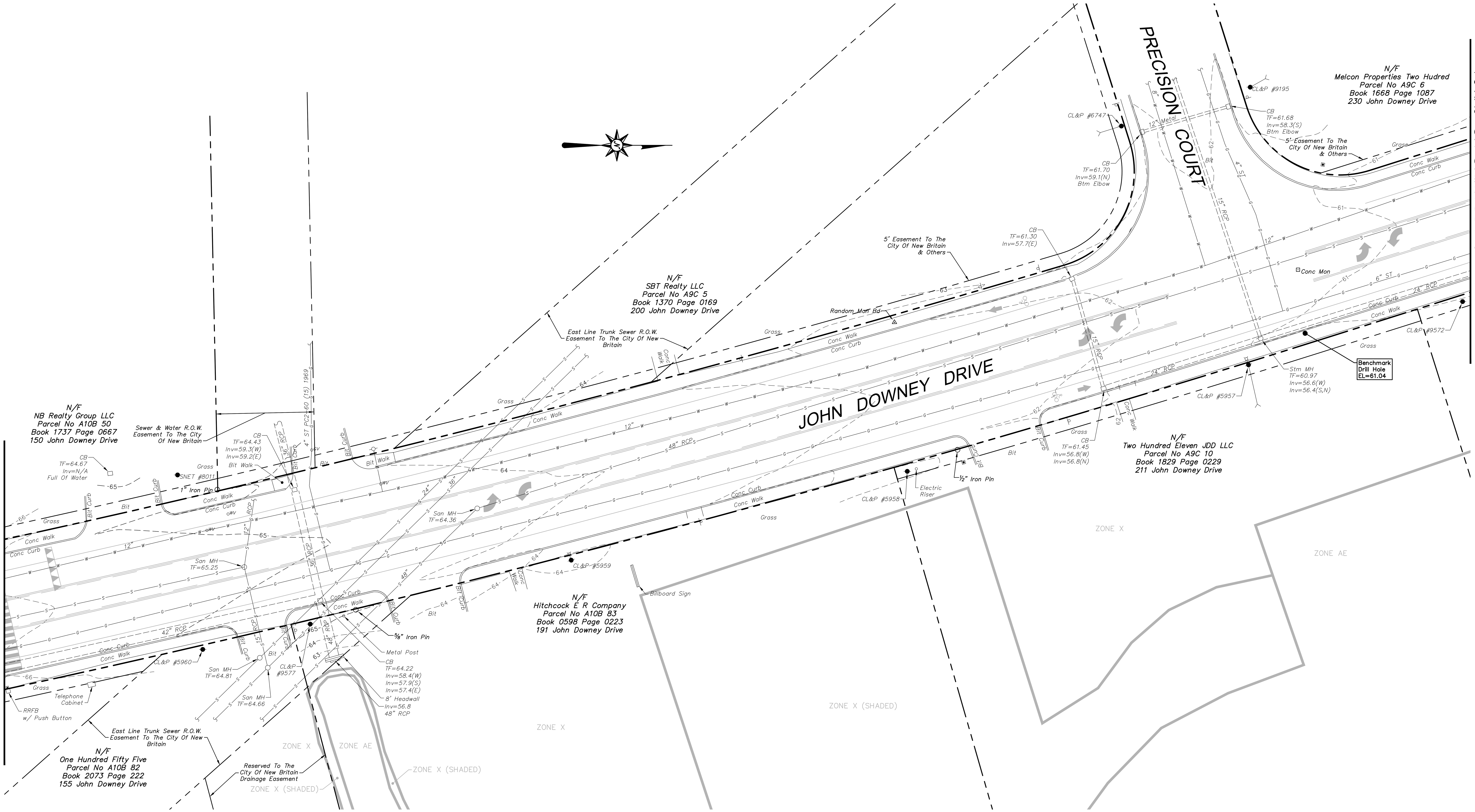
REVISIONS

No.	Date	Desc.
1.	7/10/2023	Revised Per Comments.

Surveyed	NS, JM
Drawn	KS
Reviewed	PJC
Scale	1"=20'
Project No.	2200163
Date	3/10/22
Field Book	563-48,49,52,53
CAD File:	EX2200163O1

Title
TOPOGRAPHIC & RIGHTS OF WAY SURVEY

Drawing No.
SVY-02



LEGEND

	Property Line
	Easement Line
—50—	Major Contour
	Minor Contour
	Retaining Wall
	Guide Rail
—x—	Fence
	Overhead Wires
—E—	Underground Electric Line
—G—	Gas Line
—S—	Sanitary Sewer
	Storm Sewer
—W—	Water Line
	Flood Zone
ZONE X	FEMA Flood Zone Designation
	Handhole
	Electric Meter
	Utility Pole
	Guy Wire
	Light Pole
GV	Gas Valve
GM	Gas Meter
	Cleanout
CB	Catch Basin
	Double Type II Catch Basin
MH	Manhole
	Span Pole
	Pedestrian Signal
	Fire Hydrant
WV	Water Valve
WM	Water Meter
	Sign
	Bollard
	Handicap Symbol
M	Mail Box
W	Monitoring Well
	Irrigation Control Box
	Deciduous Tree
	Coniferous Tree

GRAPHIC SCALE
20 10 0 20
SCALE IN FEET

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STREET AND PEDESTRIAN IMPROVEMENTS
JOHN DOWNEY DRIVE
NEW BRITAIN, CONNECTICUT

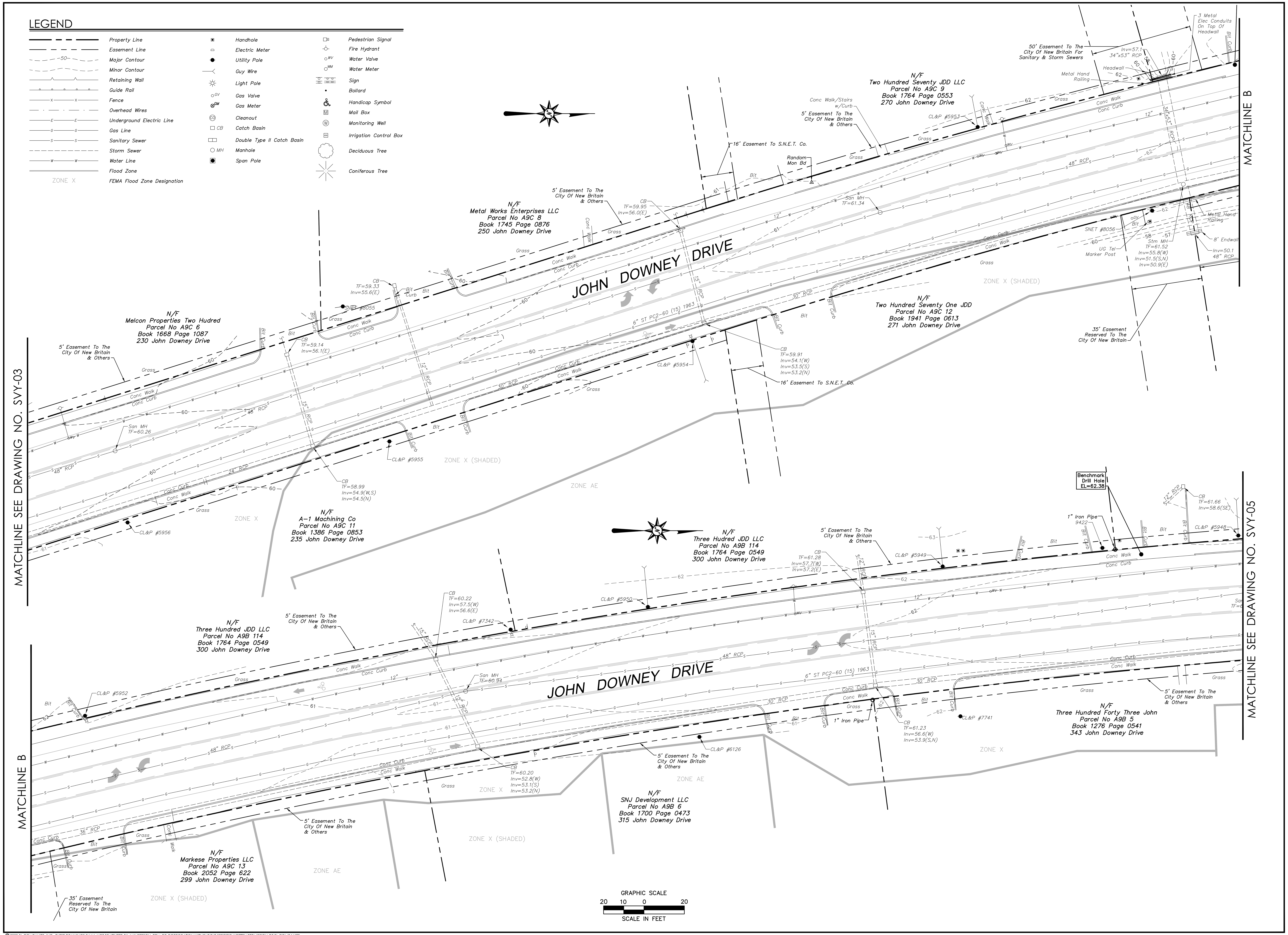
REVISIONS

No.	Date	Desc.
1.	7/10/2023	Revised Per Comments.

Surveyed	NS, JM
Drawn	KS
Reviewed	PJC
Scale	1"=20'
Project No.	2200163
Date	3/10/22
Field Book	563-48,49,52,53
CAD File:	EX220016301

Title
TOPOGRAPHIC
& RIGHTS OF WAY
SURVEY

Drawing No.
SVY-03



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STREET AND PEDESTRIAN IMPROVEMENTS

JOHN DOWNEY DRIVE
NEW BRITAIN, CONNECTICUT

REVISIONS No.	Date	Desc.
1.	7/10/2023	Revised Per Comments.

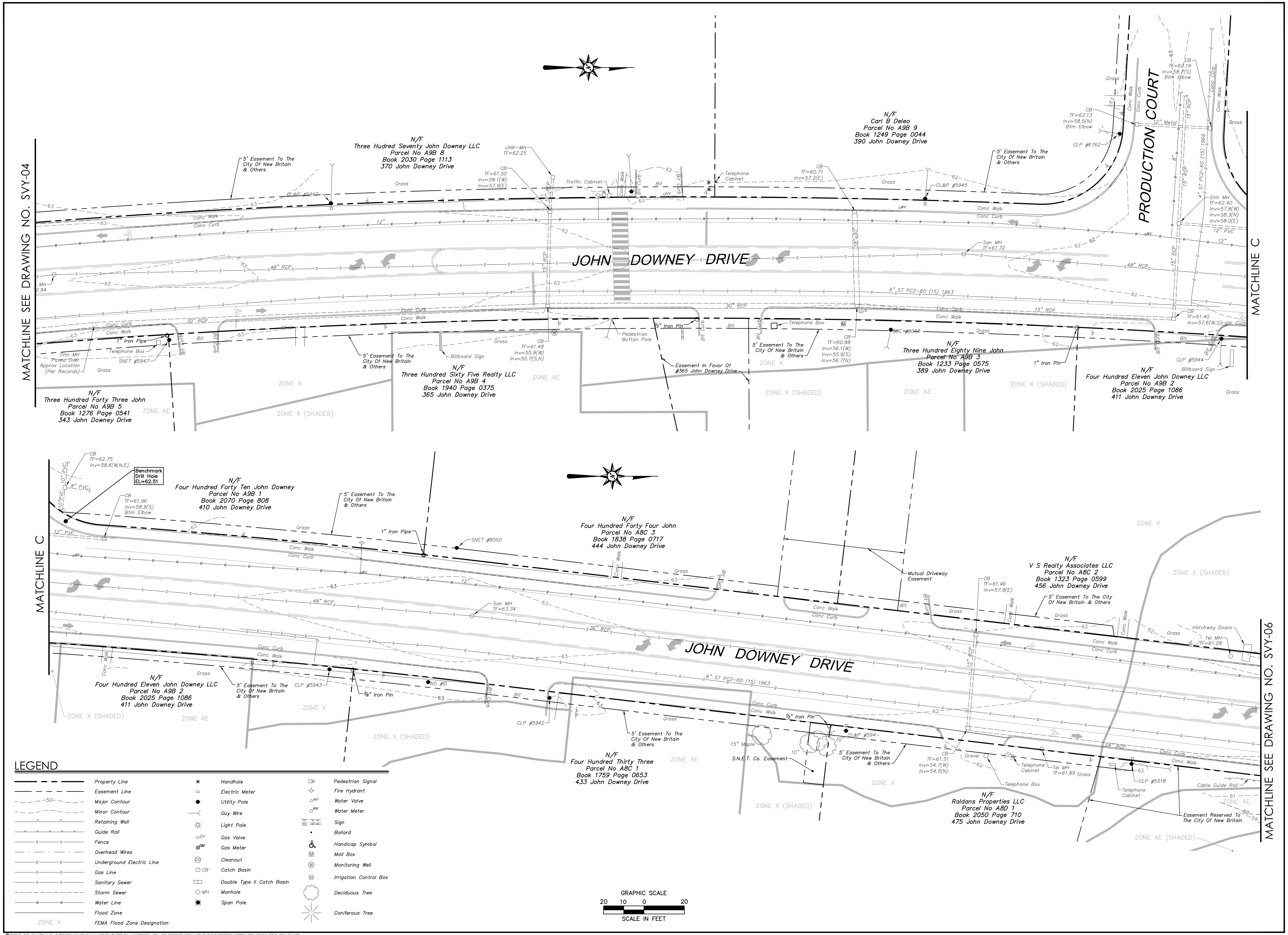
Surveyed	NS, JM
Drawn	KS
Reviewed	PJC
Scale	1"=20'
Project No.	2200163
Date	3/10/22
Field Book	563-48,49,52,53
CAD File:	EX22001630l

Title

TOPOGRAPHIC & RIGHTS OF WAY SURVEY

Drawing No.

SVY-04



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STREET AND PEDESTRIAN IMPROVEMENTS
JOHN DOWNEY DRIVE
NEW BRITAIN, CONNECTICUT

REVISIONS

No.	Date	Desc.
1.	7/10/2023	Revised Per Comments.

Surveyed	NS, JM
Drawn	KS
Reviewed	PJC
Scale	1"=20'
Project No.	2200163
Date	3/10/22
Field Book	563-48,49,52,53
CAD File:	EX220016301

Title
TOPOGRAPHIC & RIGHTS OF WAY SURVEY

Drawing No.
SVY-05

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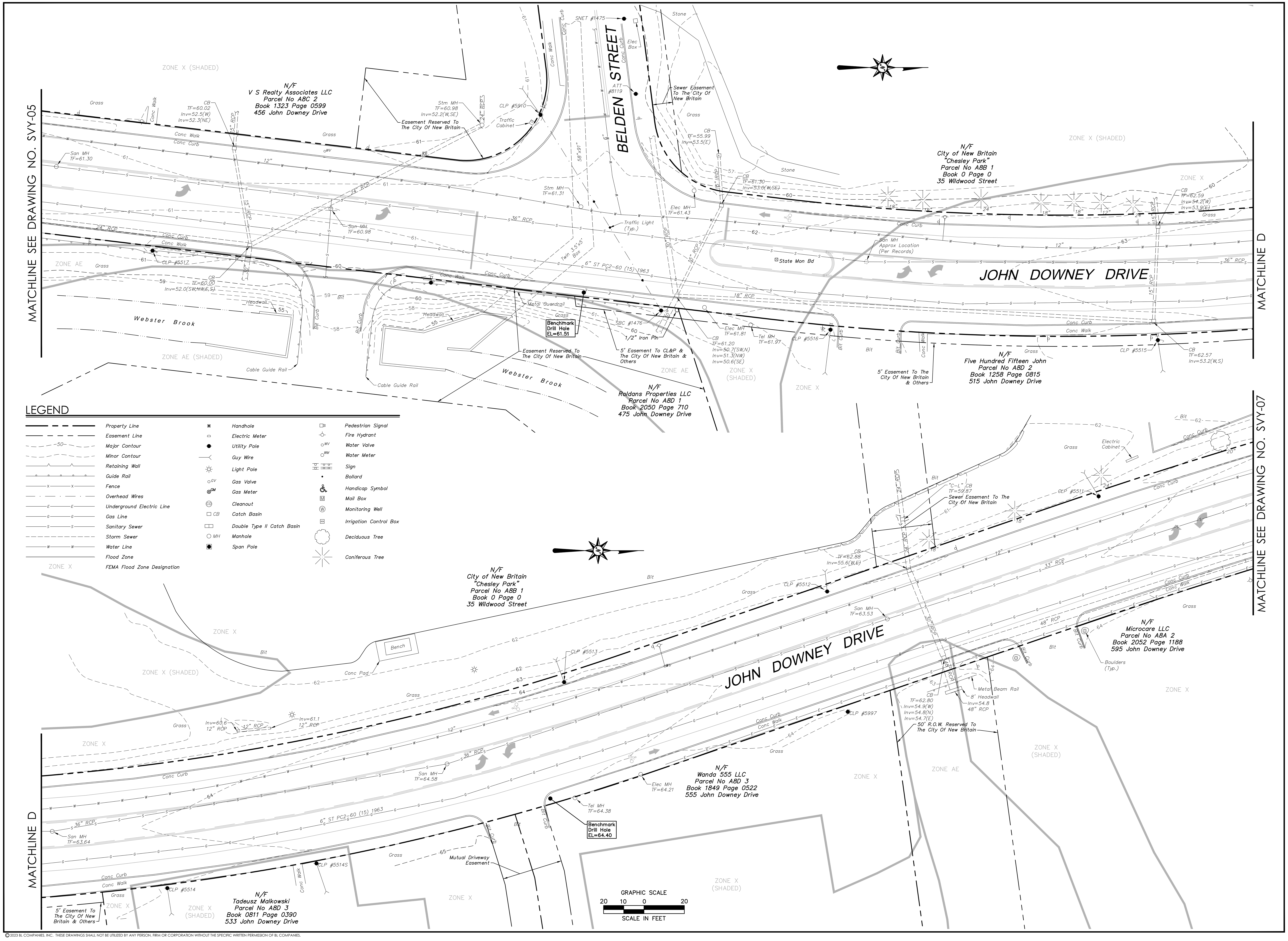

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STREET AND PEDESTRIAN IMPROVEMENTS
JOHN DOWNEY DRIVE
NEW BRITAIN, CONNECTICUT

REVISIONS

No.	Date	Desc.
1.	7/10/2023	Revised Per Comments.

Surveyed	NS, JM
Drawn	KS
Reviewed	PJC
Scale	1"=20'
Project No.	2200163
Date	3/10/22
Field Book	563-48,49,52,53
CAD File:	EX220016301

Title
TOPOGRAPHIC & RIGHTS OF WAY SURVEY

Drawing No.
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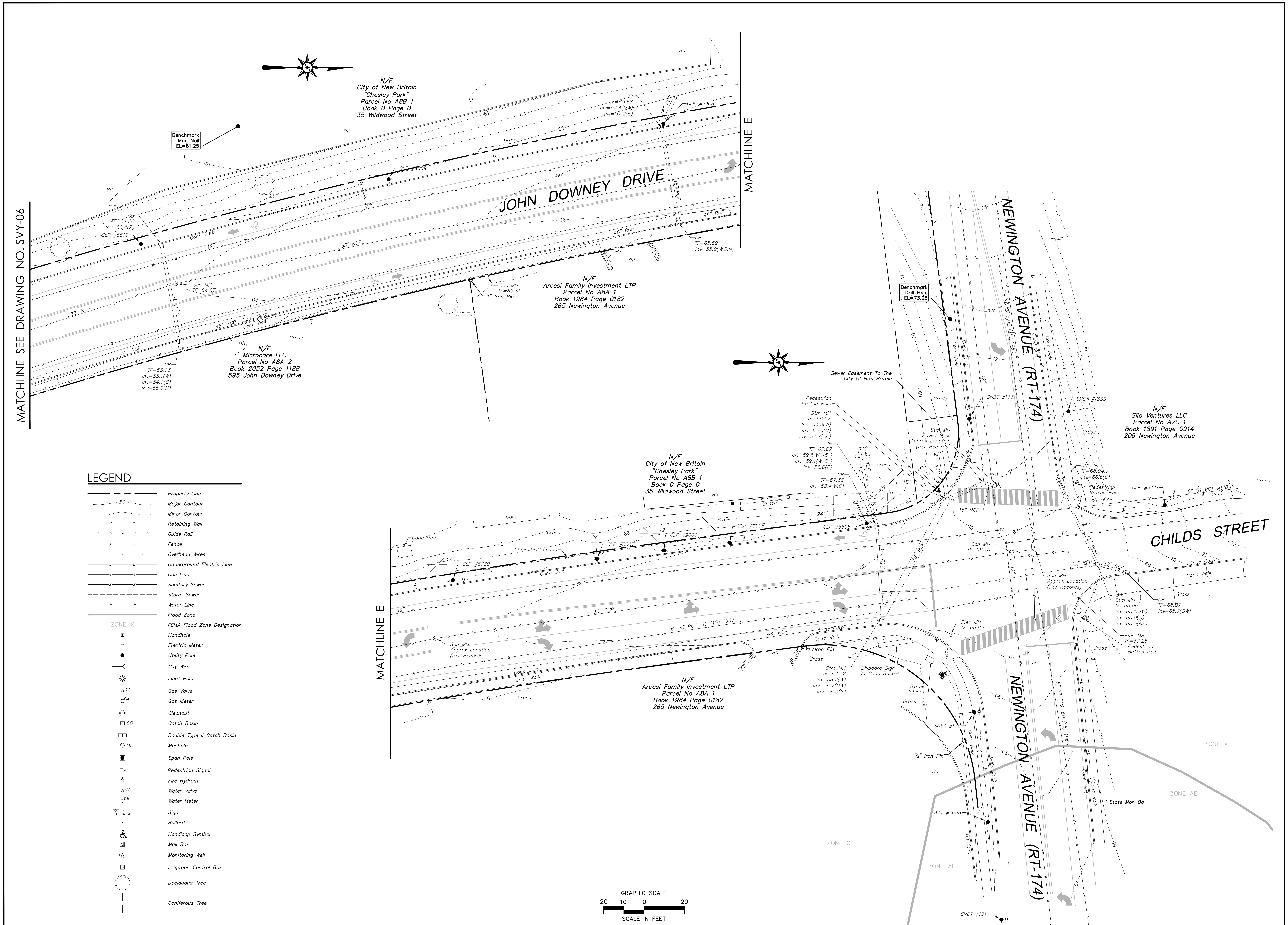

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Land Surveying

BL Companies

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STREET AND PEDESTRIAN IMPROVEMENTS

JOHN DOWNEY DRIVE
NEW BRITAIN, CONNECTICUT

REVISIONS

No.	Date	Desc.
1.	7/10/2023	Revised Per Comments.

Surveyed	NS, JM
Drawn	KS
Reviewed	PJC
Scale	1"=20'
Project No.	2200163
Date	3/10/22
Field Book	563-48,49,52,53
CAD File:	EX220016301

Title

TOPOGRAPHIC & RIGHTS OF WAY SURVEY

Drawing No.

SVY-07

Xref (s): XY220016301

Jul 11, 2023 8:52am jschrager G:\JOBS22\00\2200163\DWG\EX220016301.dwg
Layout: SVY-07 24X36 7of7

NOTES:

1. INFORMATION REGARDING THE LOCATION OF EXISTING UTILITIES HAS BEEN BASED UPON AVAILABLE INFORMATION AND MAY BE INCOMPLETE, AND WHERE SHOWN SHOULD BE CONSIDERED APPROXIMATE. THE LOCATION OF ALL EXISTING UTILITIES SHOULD BE CONFIRMED PRIOR TO BEGINNING CONSTRUCTION. CALL 811 OR GO TO CBYD.COM AT LEAST TWO FULL WORKING DAYS PRIOR TO THE START OF CONSTRUCTION. ALL UTILITY LOCATIONS THAT DO NOT MATCH THE VERTICAL OR HORIZONTAL CONTROL SHOWN ON THE PLANS SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION.
2. ALL DIMENSIONS AND ELEVATIONS SHALL BE VERIFIED IN THE FIELD PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
3. SEDIMENT AND EROSION CONTROL MEASURES AS DEPICTED ON THESE PLANS AND DESCRIBED WITHIN THE SEDIMENT AND EROSION CONTROL NARRATIVE SHALL BE IMPLEMENTED AND MAINTAINED UNTIL PERMANENT COVER AND STABILIZATION IS ESTABLISHED. ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL CONFORM TO THE "GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL, CONNECTICUT - 2002, AND IN ALL CASES BEST MANAGEMENT PRACTICES SHALL PREVAIL.
4. ALL PROPOSED CONTOURS AND SPOT ELEVATIONS INDICATE FINISHED GRADE.
5. ALL CONSTRUCTION MATERIALS AND METHODS SHALL CONFORM TO THE CITY OF NEW BRITAIN REQUIREMENTS AND TO THE APPLICABLE SECTIONS OF THE STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS, BRIDGES, AND INCIDENTAL CONSTRUCTION, FORM 818, 2020 AND ADDENDUMS. THE PLANS REQUIRE A CONTRACTOR'S WORKING KNOWLEDGE OF LOCAL, MUNICIPAL, WATER AUTHORITY, AND STATE CODES FOR UTILITY SYSTEMS. ANY CONFLICTS BETWEEN MATERIALS AND LOCATIONS SHOWN, AND LOCAL REQUIREMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE EXECUTION OF WORK. THE ENGINEER WILL NOT BE HELD LIABLE FOR COSTS INCURRED TO IMPLEMENT OR CORRECT WORK WHICH DOES NOT CONFORM TO LOCAL CODE.
6. ALL FUEL, OIL, PAINT, OR OTHER HAZARDOUS MATERIALS SHOULD BE STORED IN A SECONDARY CONTAINER AND REMOVED TO A LOCKED INDOOR AREA WITH AN IMPERVIOUS FLOOR DURING NON-WORK HOURS.
7. COMPLIANCE WITH THE PERMIT CONDITIONS IS THE RESPONSIBILITY OF BOTH THE CONTRACTOR AND THE PERMITTEE.
8. ALL AREAS DISCOVERED TO HAVE UNSUITABLE MATERIALS FOR USE AS SUBGRADE SHALL BE REPLACED WITH GRANULAR FILL AS DIRECTED BY THE ENGINEER. ALL MATERIALS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR ITEM #0213000 'GRANULAR FILL'. EXCAVATION SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR ITEM #0202000 'EARTH EXCAVATION'.
9. AREAS TO RECEIVE TOPSOIL AND TURF ESTABLISHMENT WHERE RECLAMATION/REMOVAL OF BIT. CONC. PAVEMENT, CURBING OR CONC. SIDEWALK IS REQUIRED SHALL EXCAVATE TO 6 INCHES BELOW FINISH GRADE AND INCREASE DEPTH OF FURNISHED TOPSOIL TO 6 INCHES. IF THE EXCAVATED GRADE IS GREATER THAN 6 INCHES BELOW FINISH GRADE SUITABLE FILL MATERIAL EXCAVATED FROM THE PROJECT SHALL BE USED TO RAISE THE GRADE. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF THE MATERIAL INTENDED TO BE USED AS FILL. THE ENGINEER SHALL DETERMINE IF THE PROPOSED MATERIAL IS SUITABLE. WHEN SUITABLE MATERIAL FROM THE SITE IS NOT AVAILABLE, BORROW SHALL BE USED.
10. INSTALL SURVEY MONUMENTS ON STREETLINE FOR ENTIRETY OF JOHN DOWNEY DRIVE. CENTERLINE MONUMENTS TO BE REMOVED.
11. INSTALL SEDIMENTATION CONTROL AT ALL CATCH BASINS WITHIN PROJECT LIMITS.
12. ALL WORK ADJACENT TO SOLTERA ACADEMY TO BE FULLY PROTECTED BY PEDESTRIAN FENCING. TO BE PAID AT THE CONTRACT UNIT PRICE FOR ITEM NO. 0913984A - TEMPORARY PROTECTIVE FENCE.
13. ALL CENTER TURN LANE AND MEASURED MILE MARKER SIGNS AND POSTS TO BE REMOVED AND DELIVERED TO THE CITY OF NEW BRITAIN. RELOCATE ALL EXISTING SIGNS AT THE BACK OF WALK TO THE PROPOSED SNOW SHELF.

SCHEDULE OF RIGHTS

ADDRESS	RIGHTS AQUIRED
581 SOUTH STREET	RIGHT TO GRADE, REPLACE DRIVEWAY
605 SOUTH STREET	RIGHT TO GRADE, REPLACE DRIVEWAY
1 JOHN DOWNEY DRIVE	RIGHT TO GRADE, RELOCATE DRIVEWAY AND REPLACE SIDEWALK, INSTALL SEDIMENTATION CONTROL SYSTEM
55 JOHN DOWNEY DRIVE	RIGHT TO GRADE, RELOCATE DRIVEWAY AND REPLACE SIDEWALK, INSTALL SEDIMENTATION CONTROL SYSTEM
99 JOHN DOWNEY DRIVE	RIGHT TO GRADE, REPLACE DRIVEWAY, INSTALL SEDIMENTATION CONTROL SYSTEM
119 JOHN DOWNEY DRIVE	RIGHT TO GRADE, REPLACE DRIVEWAY, INSTALL SEDIMENTATION CONTROL SYSTEM
150 JOHN DOWNEY DRIVE	RIGHT TO GRADE, REPLACE DRIVEWAY, SIDEWALK AND CURB, INSTALL SEDIMENTATION CONTROL SYSTEM
155 JOHN DOWNEY DRIVE	RIGHT TO GRADE, REPLACE DRIVEWAY AND CURB, INSTALL SEDIMENTATION CONTROL SYSTEM
191 JOHN DOWNEY DRIVE	RIGHT TO GRADE, REPLACE DRIVEWAY, SIDEWALK AND CURB, INSTALL SEDIMENTATION CONTROL SYSTEM
200 JOHN DOWNEY DRIVE	RIGHT TO GRADE, REPLACE DRIVEWAY, SIDEWALK AND CURB, INSTALL SEDIMENTATION CONTROL SYSTEM
211 JOHN DOWNEY DRIVE	RIGHT TO GRADE, REPLACE DRIVEWAY, SIDEWALK AND CURB, INSTALL SEDIMENTATION CONTROL SYSTEM
230 JOHN DOWNEY DRIVE	RIGHT TO GRADE, REPLACE DRIVEWAY, SIDEWALK AND CURB, INSTALL SEDIMENTATION CONTROL SYSTEM
235 JOHN DOWNEY DRIVE	RIGHT TO GRADE, REPLACE DRIVEWAY AND CURB, INSTALL SEDIMENTATION CONTROL SYSTEM
250 JOHN DOWNEY DRIVE	RIGHT TO GRADE, REPLACE DRIVEWAY, SIDEWALK AND CURB, INSTALL SEDIMENTATION CONTROL SYSTEM
270 JOHN DOWNEY DRIVE	RIGHT TO GRADE, REPLACE DRIVEWAY, SIDEWALK AND CURB, INSTALL SEDIMENTATION CONTROL SYSTEM
271 JOHN DOWNEY DRIVE	RIGHT TO GRADE, REPLACE DRIVEWAY AND CURB, INSTALL SEDIMENTATION CONTROL SYSTEM
299 JOHN DOWNEY DRIVE	RIGHT TO GRADE, REPLACE DRIVEWAY, SIDEWALK AND CURB, INSTALL SEDIMENTATION CONTROL SYSTEM
300 JOHN DOWNEY DRIVE	RIGHT TO GRADE, REPLACE DRIVEWAY AND CURB, INSTALL SEDIMENTATION CONTROL SYSTEM
315 JOHN DOWNEY DRIVE	RIGHT TO GRADE, REPLACE DRIVEWAY AND CURB, INSTALL SEDIMENTATION CONTROL SYSTEM
343 JOHN DOWNEY DRIVE	RIGHT TO GRADE, REPLACE DRIVEWAY, SIDEWALK AND CURB, INSTALL SEDIMENTATION CONTROL SYSTEM
365 JOHN DOWNEY DRIVE	RIGHT TO GRADE, REPLACE DRIVEWAY, SIDEWALK AND CURB, INSTALL SEDIMENTATION CONTROL SYSTEM
370 JOHN DOWNEY DRIVE	RIGHT TO GRADE, REPLACE DRIVEWAY, SIDEWALK AND CURB, INSTALL SEDIMENTATION CONTROL SYSTEM
389 JOHN DOWNEY DRIVE	RIGHT TO GRADE, REPLACE DRIVEWAY AND CURB, INSTALL SEDIMENTATION CONTROL SYSTEM
390 JOHN DOWNEY DRIVE	RIGHT TO GRADE, REPLACE DRIVEWAY AND CURB, INSTALL SEDIMENTATION CONTROL SYSTEM
410 JOHN DOWNEY DRIVE	RIGHT TO GRADE, INSTALL SEDIMENTATION CONTROL SYSTEM
411 JOHN DOWNEY DRIVE	RIGHT TO GRADE, REPLACE DRIVEWAY, SIDEWALK AND CURB, INSTALL SEDIMENTATION CONTROL SYSTEM
433 JOHN DOWNEY DRIVE	RIGHT TO GRADE, RELOCATE DRIVEWAY, REPLACE SIDEWALK AND CURB
444 JOHN DOWNEY DRIVE	RIGHT TO GRADE, REPLACE DRIVEWAY, SIDEWALK AND CURB, INSTALL SEDIMENTATION CONTROL SYSTEM
456 JOHN DOWNEY DRIVE	RIGHT TO GRADE, REPLACE DRIVEWAY, SIDEWALK AND CURB, INSTALL SEDIMENTATION CONTROL SYSTEM
475 JOHN DOWNEY DRIVE	RIGHT TO GRADE, REPLACE DRIVEWAY AND CURB, INSTALL SEDIMENTATION CONTROL SYSTEM
515 JOHN DOWNEY DRIVE	RIGHT TO GRADE, REPLACE DRIVEWAY, SIDEWALK AND CURB, INSTALL SEDIMENTATION CONTROL SYSTEM
533 JOHN DOWNEY DRIVE	RIGHT TO GRADE, REPLACE DRIVEWAY, SIDEWALK AND CURB, INSTALL SEDIMENTATION CONTROL SYSTEM
555 JOHN DOWNEY DRIVE	RIGHT TO GRADE, REPLACE DRIVEWAY AND CURB, INSTALL SEDIMENTATION CONTROL SYSTEM
595 JOHN DOWNEY DRIVE	RIGHT TO GRADE, REPLACE DRIVEWAY, INSTALL SEDIMENTATION CONTROL SYSTEM
265 NEWINGTON AVEUE	RIGHT TO GRADE, REPLACE DRIVEWAY AND CURB, INSTALL SEDIMENTATION CONTROL SYSTEM

PLANT SCHEDULE

ITEM NO.	SYM	BOTANICAL NAME	COMMON NAME	QUANTITY	SIZE	COMMENTS
0949071A	PC	PYRUS CALLERYANA	CHANTICLEER PEAR ('CLEVELAND SELECT')	56	2½-3" CAL.	B&B; UNIFORM, HEAVY SPECIMEN; HIGH BRANCHED TO 6'

FILENAME: PS-88L-004-GEN-01.dwg

DATE: December 29, 2023

CITY OF NEW BRITAIN
27 WEST MAIN STREET
NEW BRITAIN, CT 06051
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

SEAL OF THE CITY OF NEW BRITAIN, CT. 1871

PROJECT TITLE
JOHN DOWNEY DRIVE
CORRIDOR IMPROVEMENTS

DRAWING TITLE
GENERAL NOTES

DRAWN BY
J. OUTLAW

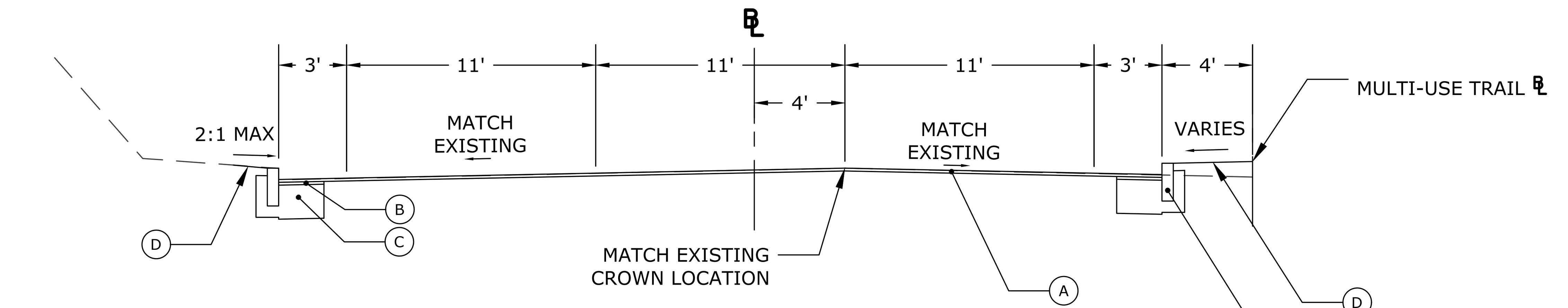
CHECKED BY
R. TROTTIER

SCALE
NOT TO SCALE

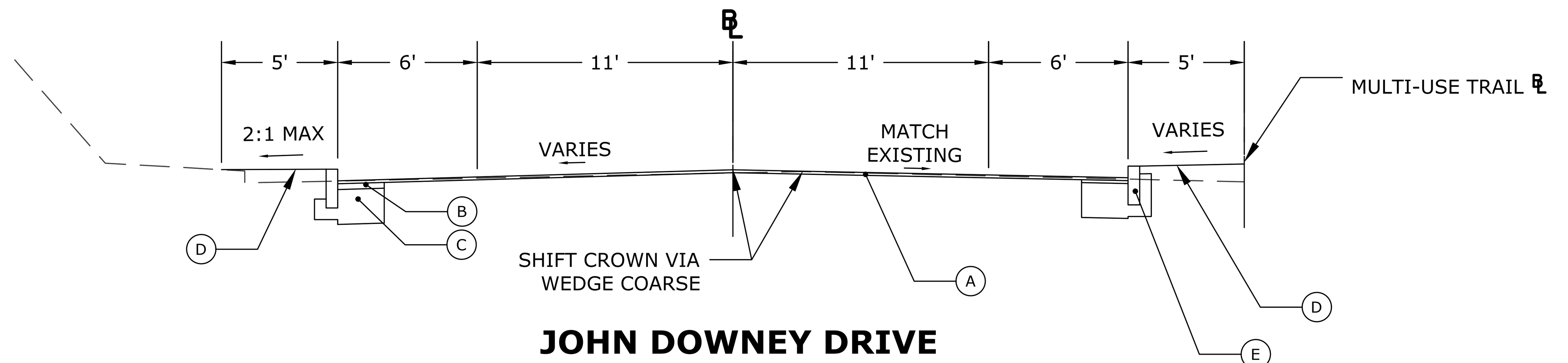
REV.	DATE	REVISION DESCRIPTION

PROJECT NUMBER
L088-0004

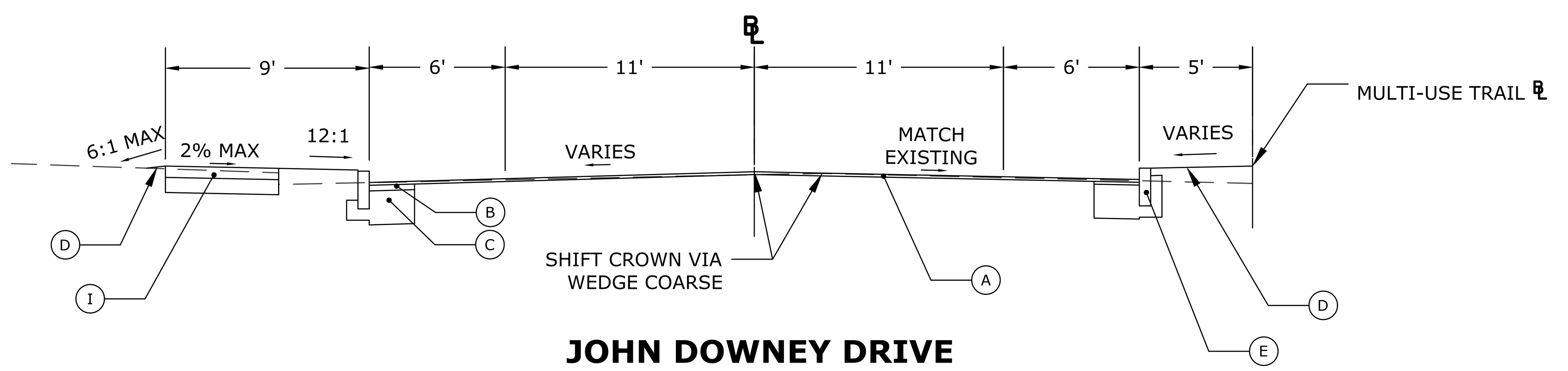
DRAWING NUMBER
GEN-01



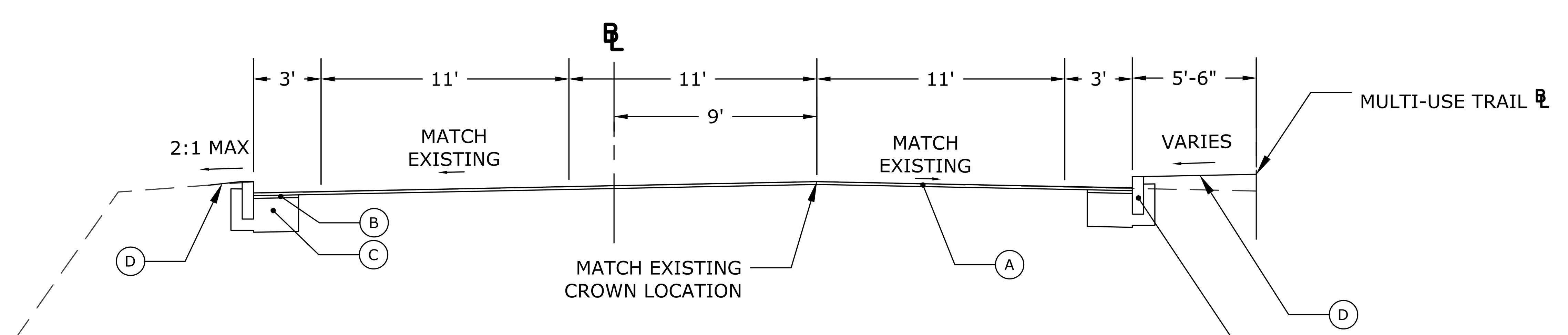
JOHN DOWNEY DRIVE
STA. 100+50 TO STA. 103+96



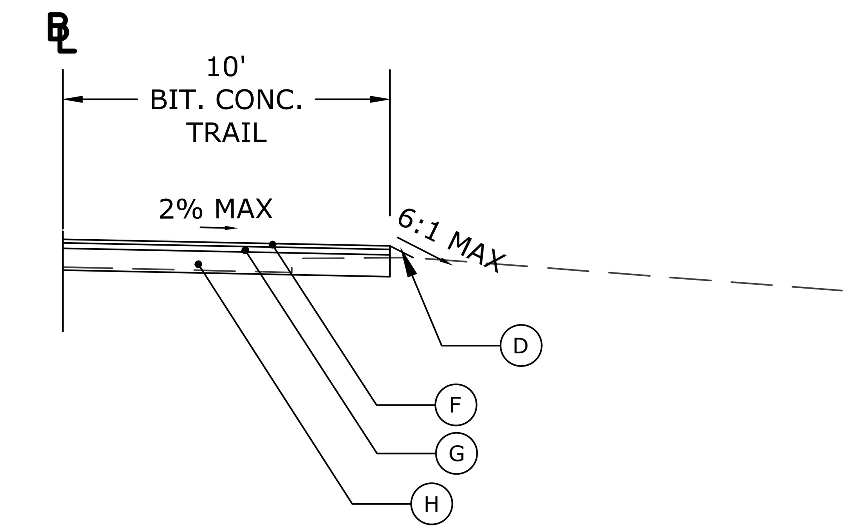
JOHN DOWNEY DRIVE
STA. 103+96 TO STA. 114+53
STA. 149+75 TO STA. 160+96



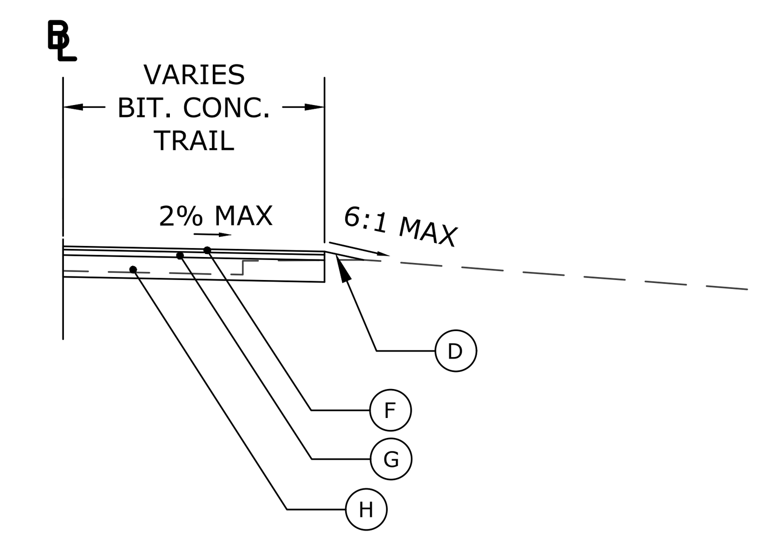
JOHN DOWNEY DRIVE
STA. 114+53 TO STA. 149+75



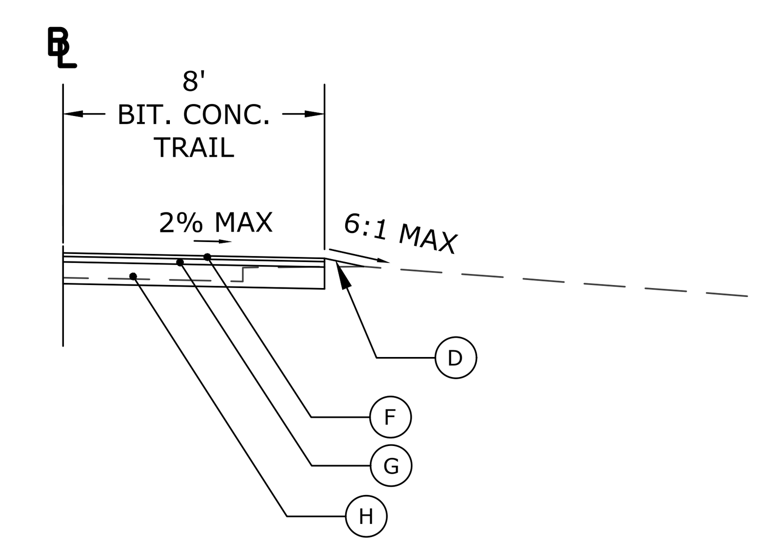
JOHN DOWNEY DRIVE
STA. 160+96 TO STA. 165+50



MULTI-USE TRAIL
STA. 800+00 TO STA. 859+31



MULTI-USE TRAIL
STA. 859+31 TO STA. 861+30



MULTI-USE TRAIL
STA. 861+30 TO STA. 864+78

LEGEND:

A. 2" HMA S0.5 TRAFFIC LEVEL 2 (MILL AND OVERLAY)
B. 3" HMA S0.5 TRAFFIC LEVEL 2
C. 18" PROCESSED AGGREGATE BASE
D. 4" TOPSOIL AND TURF ESTABLISHMENT
E. GRANITE CURB
F. 1.25" HMA S0.375 TRAFFIC LEVEL 1
G. 2" HMA S0.5 TRAFFIC LEVEL 1
H. 6" PROCESSED AGGREGATE BASE
I. CONCRETE SIDEWALK

NOTES:
1. AREAS TO RECEIVE TOPSOIL AND TURF ESTABLISHMENT WHERE RECLAMATION/REMOVAL OF BIT. CONC. PAVEMENT, CURBING OR CONC. SIDEWALK IS REQUIRED SHALL EXCAVATE TO 6 INCHES BELOW FINISH GRADE AND INCREASE DEPTH OF FURNISHED TOPSOIL TO 6 INCHES. IF THE EXCAVATED GRADE IS GREATER THAN 6 INCHES BELOW FINISH GRADE SUITABLE FILL MATERIAL EXCAVATED FROM THE PROJECT SHALL BE USED TO RAISE THE GRADE. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF THE MATERIAL INTENDED TO BE USED AS FILL. THE ENGINEER SHALL DETERMINE IF THE PROPOSED MATERIAL IS SUITABLE. WHEN SUITABLE MATERIAL FROM THE SITE IS NOT AVAILABLE, BORROW SHALL BE USED.

CITY OF NEW BRITAIN
27 WEST MAIN STREET
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DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

SEAL OF THE CITY OF NEW BRITAIN, CT. 1871

PROJECT TITLE
JOHN DOWNEY DRIVE
CORRIDOR IMPROVEMENTS

DRAWING TITLE
TYPICAL CROSS SECTIONS

FILENAME: PS-88L-004-TYP-01.dwg

DRAWN BY J. OUTLAW
CHECKED BY R.TROTTIER

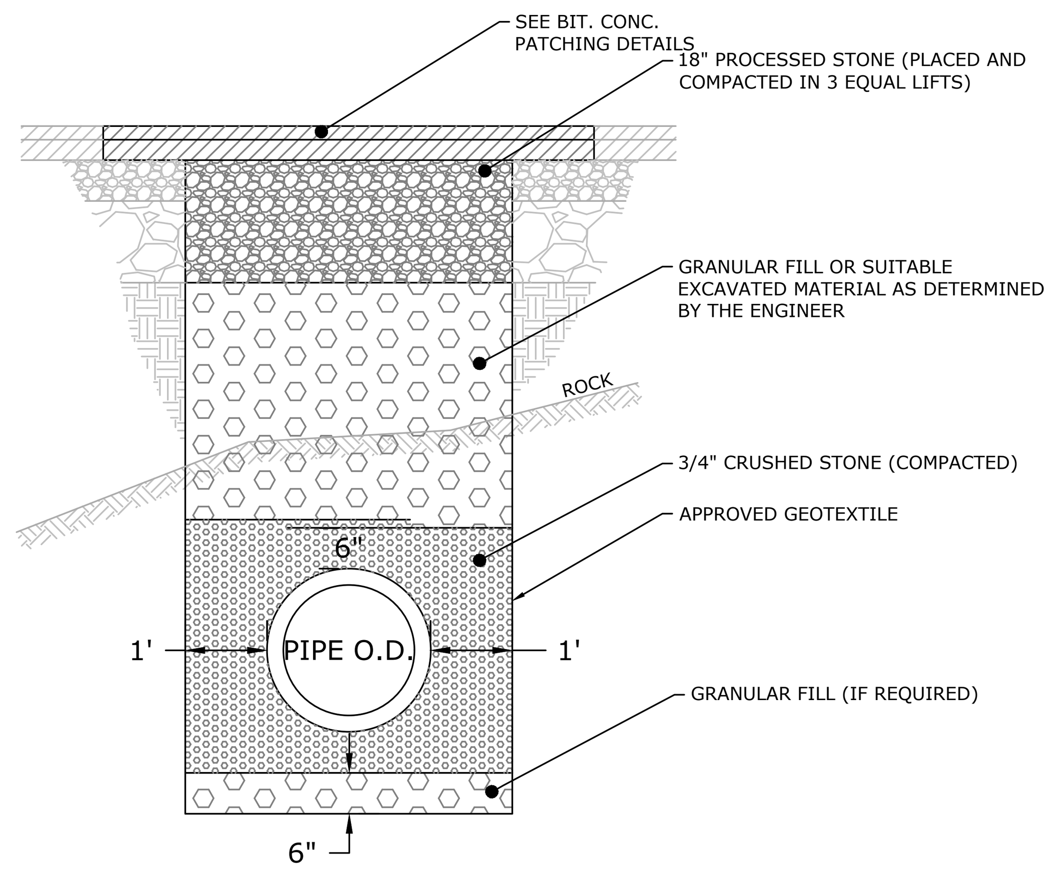
NOT TO SCALE
SCALE

REVISION DESCRIPTION | REV. | DATE

DATE: December 29, 2023

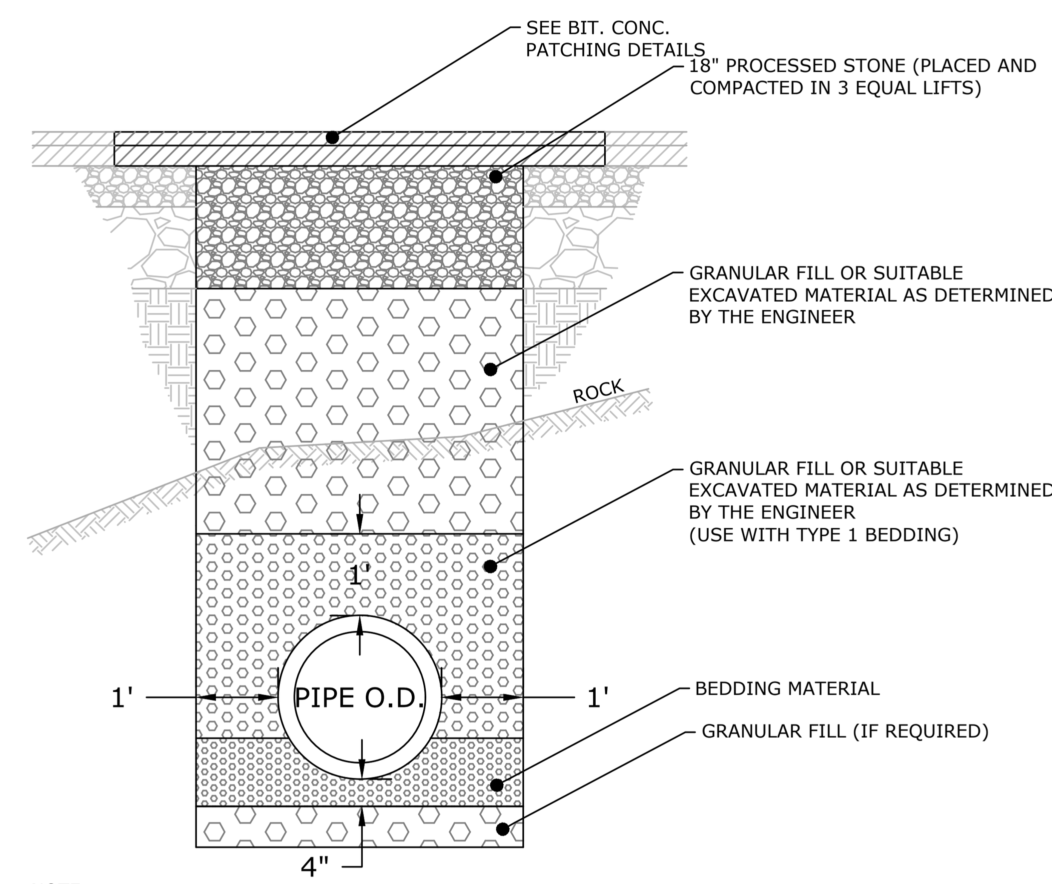
PROJECT NUMBER
L088-0004

DRAWING NUMBER
TYP-01



NOTE:
1. EXAMPLES OF FLEXIBLE PIPE ARE P.V.C. AND H.D.P.E. USED FOR STORM AND SANITARY INSTALLATIONS.
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 MINIMUM OF 18".
4. FOLLOW PROCEDURE AND SPECIFICATIONS IN ASTM D2321 AND ASTM D3034 SDR35 FOR 6" - 15" AND ASTM F679, TYPE 1, SDR35 FOR LARGER PIPE.
5. 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.
6. IN CASES WHERE PIPE MANUFACTURER'S RECOMMENDATIONS ARE DIFFERENT FROM THE DETAIL CONSULT WITH THE CITY ENGINEER FOR APPROVAL.

TRENCH EXCAVATION AND BACKFILL - FLEXIBLE PIPE
NOT TO SCALE

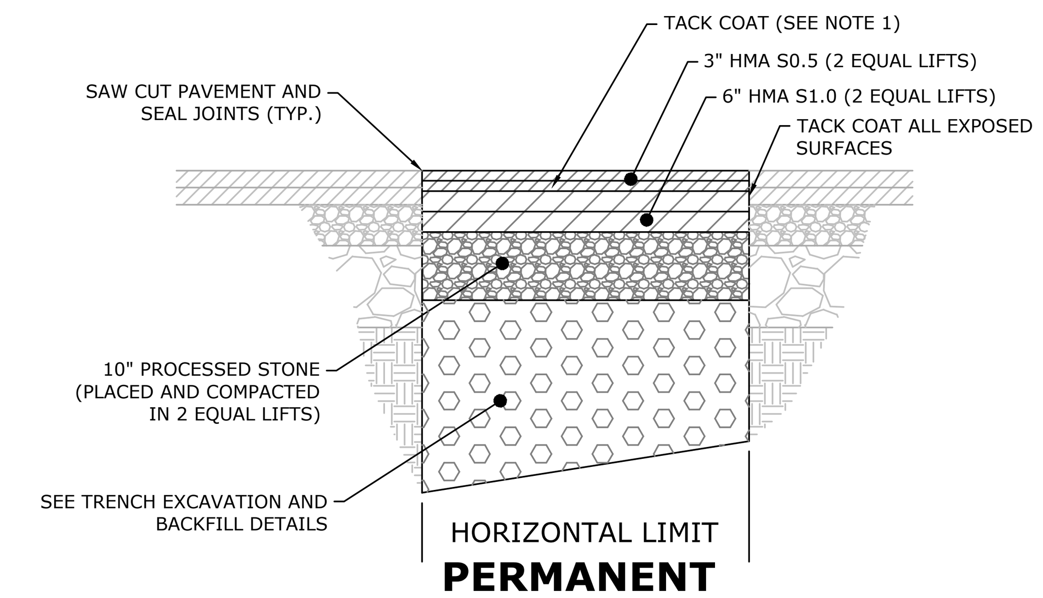


NOTE:
1. EXAMPLES OF RIGID PIPE ARE R.C.P. AND D.I.P.
2. PIPE BEDDING SHALL CONFORM TO SECTION M.08.03
3. GRANULAR FILL SHALL CONFORM TO SECTION M.02.01 GRADING C

BEDDING TYPE PLACEMENT CHART

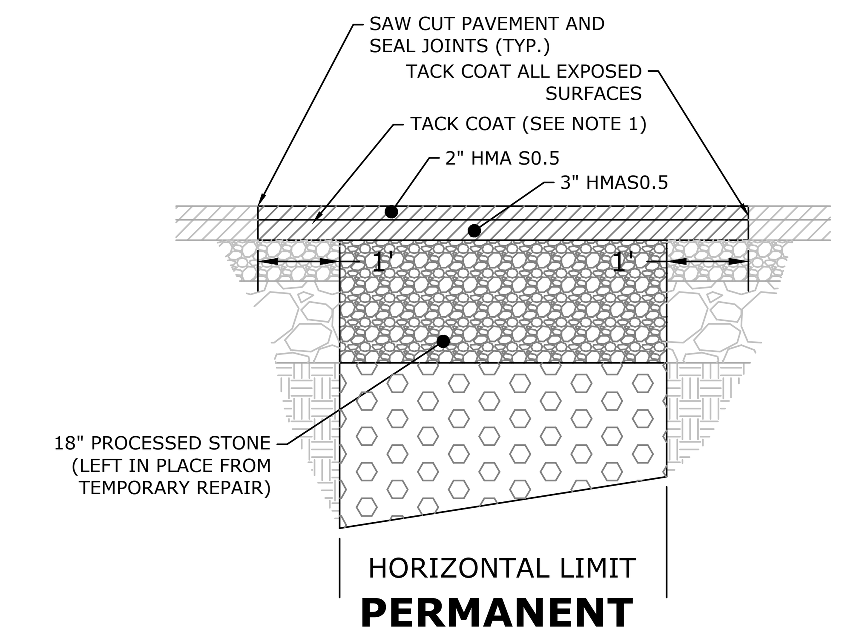
BEDDING TYPE	PIPE SIZE	DEPTH BELOW PIPE	HEIGHT ABOVE INV.	HEIGHT ABOVE PIPE
TYPE I	LESS THAN 48"	4" (EARTH)	25% PIPE O.D.	-
		12" (ROCK)		
TYPE II	48" AND LARGER	4" (EARTH)	-	12"
		12" (ROCK)		

TRENCH EXCAVATION AND BACKFILL - RIGID PIPE
NOT TO SCALE



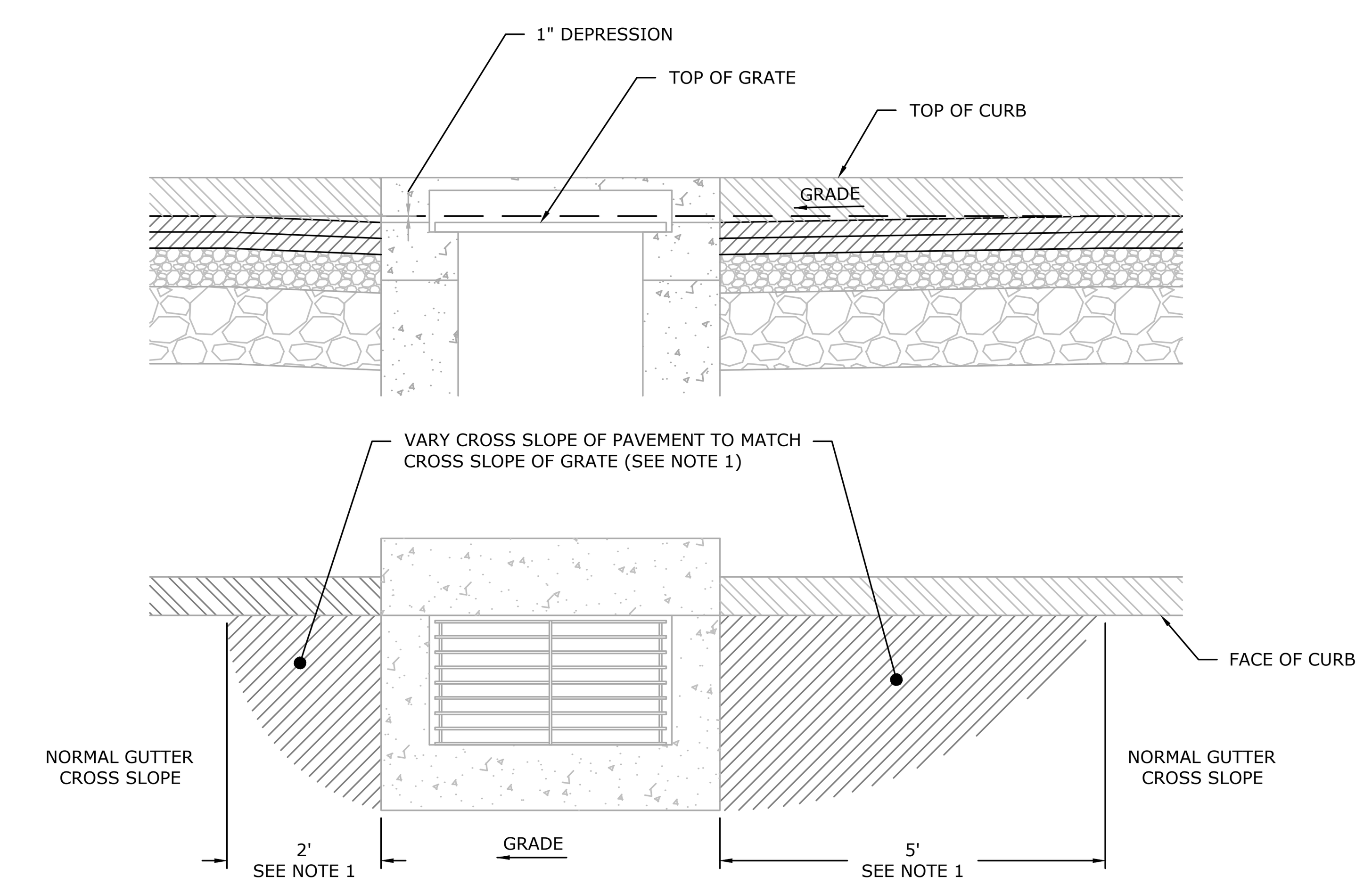
NOTE:
1. TACK COAT REQUIRED BETWEEN PAVEMENT LIFTS WHEN LAST LIFT COURSE IS INSTALLED MORE THAN 24 HOURS BEFORE THE NEXT LIFT COURSE.
2. TO BE USED ON ALL ROADWAYS WITHIN STATE RIGHT OF WAY.

BIT. CONC. PATCHING - FULL DEPTH - STATE
NOT TO SCALE



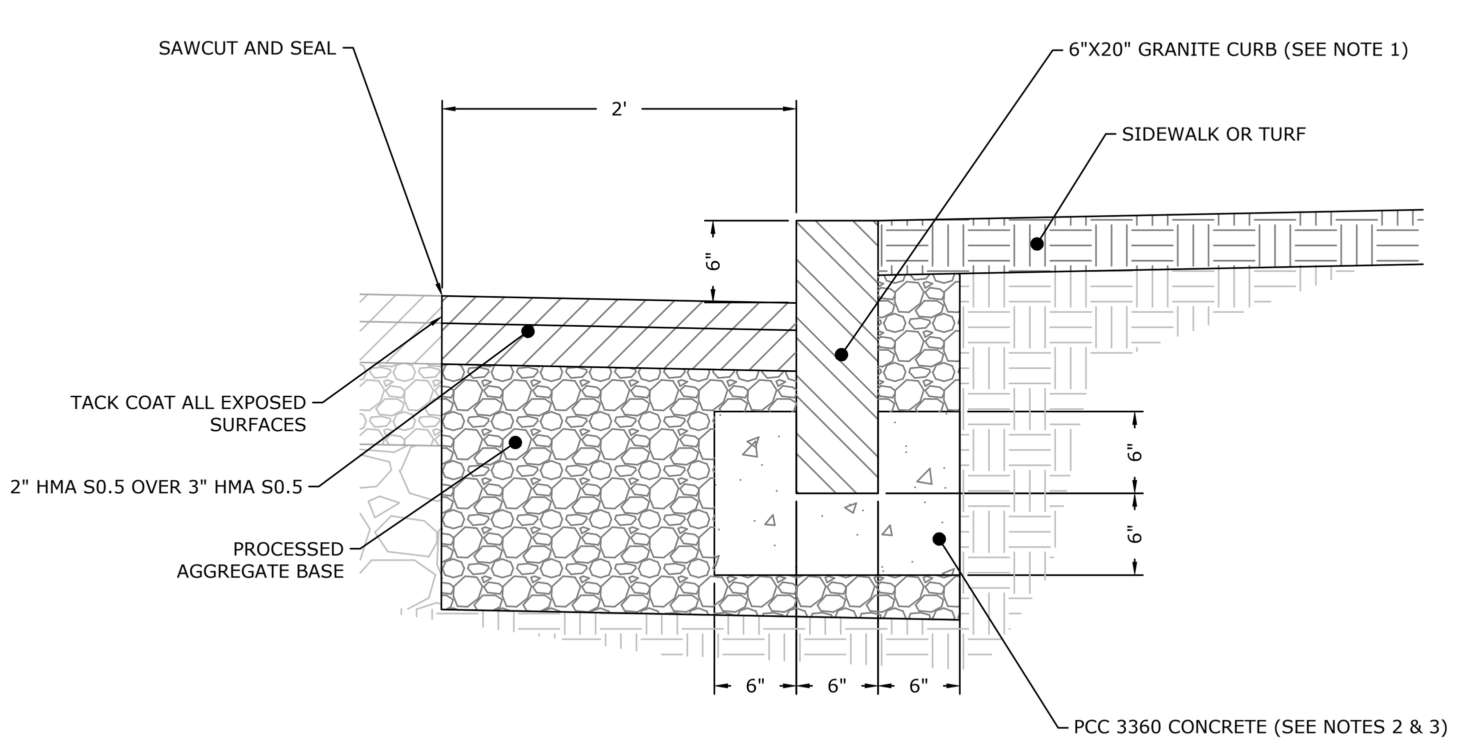
NOTE:
1. TACK COAT REQUIRED BETWEEN PAVEMENT LIFTS WHEN BINDER COURSE IS INSTALLED MORE THAN 24 HOURS BEFORE SURFACE COURSE.
2. BITUMINOUS CONCRETE CLASS 1 MAY BE USED IN PLACE OF HMA S0.5 WHEN APPROVED BY THE CITY ENGINEER.

BIT. CONC. PATCHING - FULL DEPTH
NOT TO SCALE



NOTE:
1. WHEN CATCH BASIN IS AT LOW POINT, VARY CROSS-SLOPE OF PAVEMENT 4' EITHER SIDE OF C.B. TO SET GRADE WITH 1" DEPRESSION.

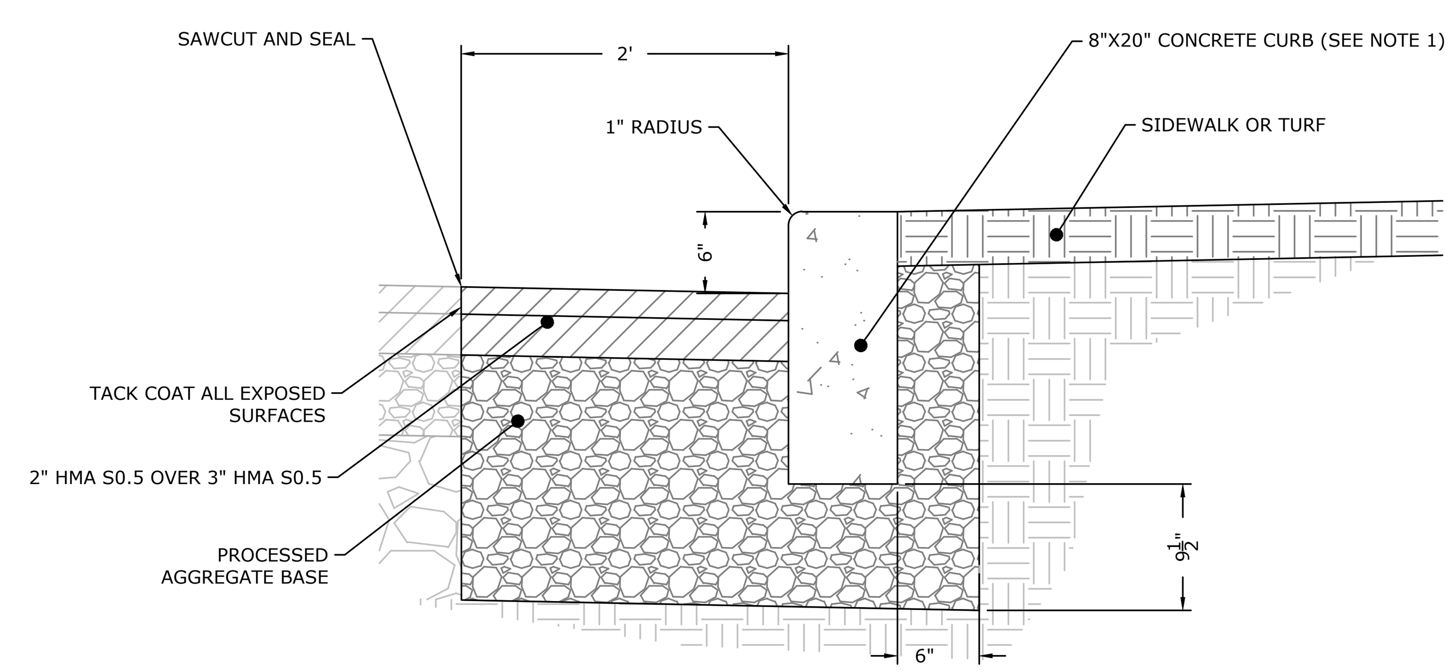
GUTTER DEPRESSION AT CATCH BASIN
NOT TO SCALE



EXISTING ROAD WITH PAVEMENT REPAIR

NOTE:
1. GRANITE CURB TO BE 6"X18" IN STRAIGHT SECTIONS AND 6"X20" IN CURVED SECTIONS
2. FOR STRAIGHT CURBING, PLACE CONCRETE ONLY AT JOINTS, REMAINDER PROCESSED AGGREGATE
3. FOR RADIUS CURBING (R<100') PLACE CONCRETE CONTINUOUS.
4. TACK COAT REQUIRED BETWEEN PAVEMENT LIFTS WHEN BINDER COURSE IS INSTALLED MORE THAN 24 HOURS BEFORE SURFACE COURSE.
5. BITUMINOUS CONCRETE CLASS 1 MAY BE USED IN PLACE OF HMA S0.5 WHEN APPROVED BY THE CITY ENGINEER.

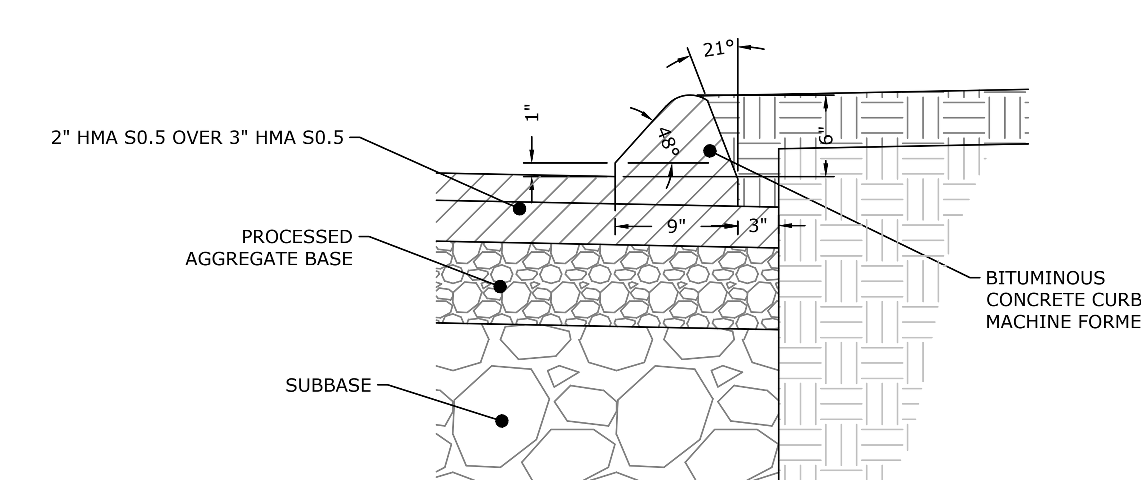
GRANITE CURB
NOT TO SCALE



EXISTING ROAD WITH PAVEMENT REPAIR

NOTE:
1. 24" WIDE PAVEMENT REPAIR MAY BE ELIMINATED FOR CONCRETE CURB WHEN APPROVED BY THE CITY ENGINEER
3. TACK COAT REQUIRED BETWEEN PAVEMENT LIFTS WHEN BINDER COURSE IS INSTALLED MORE THAN 24 HOURS BEFORE SURFACE COURSE.
4. BITUMINOUS CONCRETE CLASS 1 MAY BE USED IN PLACE OF HMA S0.5 WHEN APPROVED BY THE CITY ENGINEER.

CONCRETE CURB
NOT TO SCALE



LIP CURB

NOTE:
1. TACK COAT REQUIRED BETWEEN PAVEMENT LIFTS WHEN BINDER COURSE IS INSTALLED MORE THAN 24 HOURS BEFORE SURFACE COURSE.
2. BITUMINOUS CONCRETE CLASS 1 MAY BE USED IN PLACE OF HMA S0.5 WHEN APPROVED BY THE CITY ENGINEER.

BITUMINOUS CURB
NOT TO SCALE

CITY OF NEW BRITAIN
27 WEST MAIN STREET
NEW BRITAIN, CT 06051
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

SEAL OF THE CITY OF NEW BRITAIN, CT. 1871

PROJECT TITLE: JOHN DOWNEY DRIVE CORRIDOR IMPROVEMENTS

DRAWING TITLE: MISCELLANEOUS DETAILS

FILENAME: PS-88L-004-MDS-01.dwg

DATE: December 29, 2023

DRAWN BY: J. OUTLAW

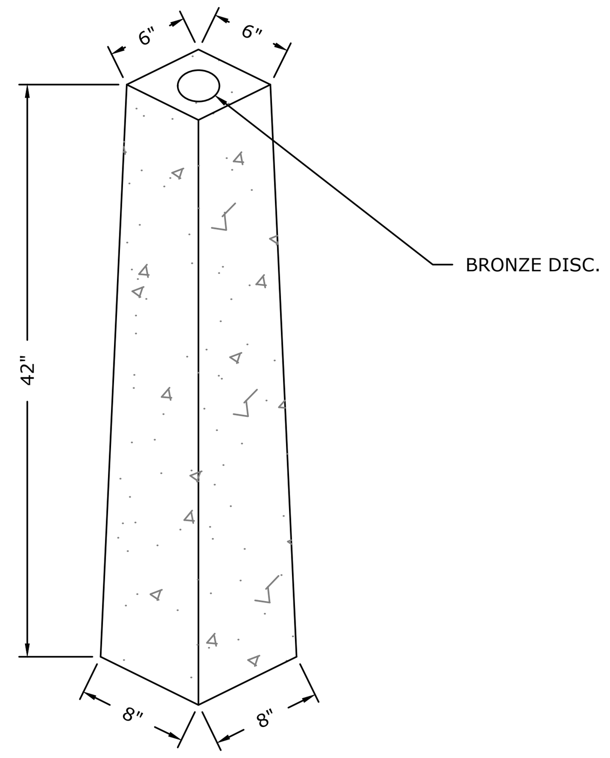
CHECKED BY: R. TROTTIER

SCALE: NOT TO SCALE

REV.	DATE	REVISION DESCRIPTION

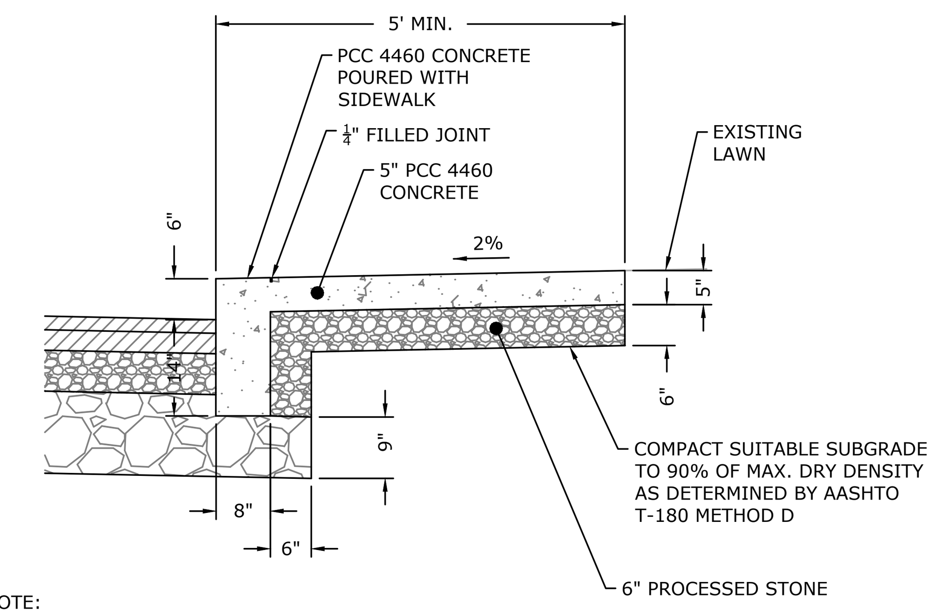
PROJECT NUMBER: L088-0004

DRAWING NUMBER: MDS-01



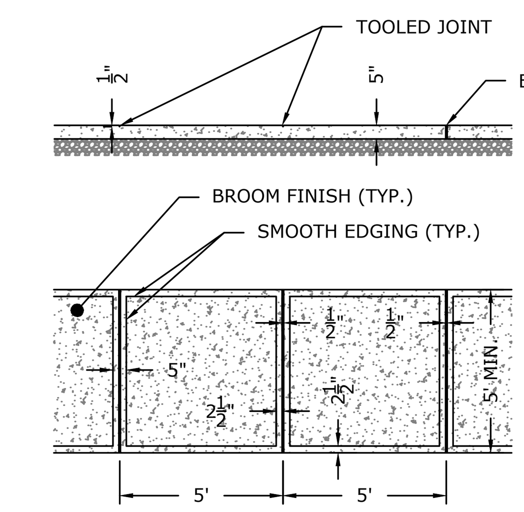
NOTES:
1. CONCRETE REINFORCED WITH 5 -#5 BARS.
2. CITY OF NEW BRITAIN BRONZE DISC MUST BE PURCHASED FROM DPW FOR MANUFACTURING MONUMENTS.

STANDARD NEW BRITAIN CONC. MONUMENT
NOT TO SCALE



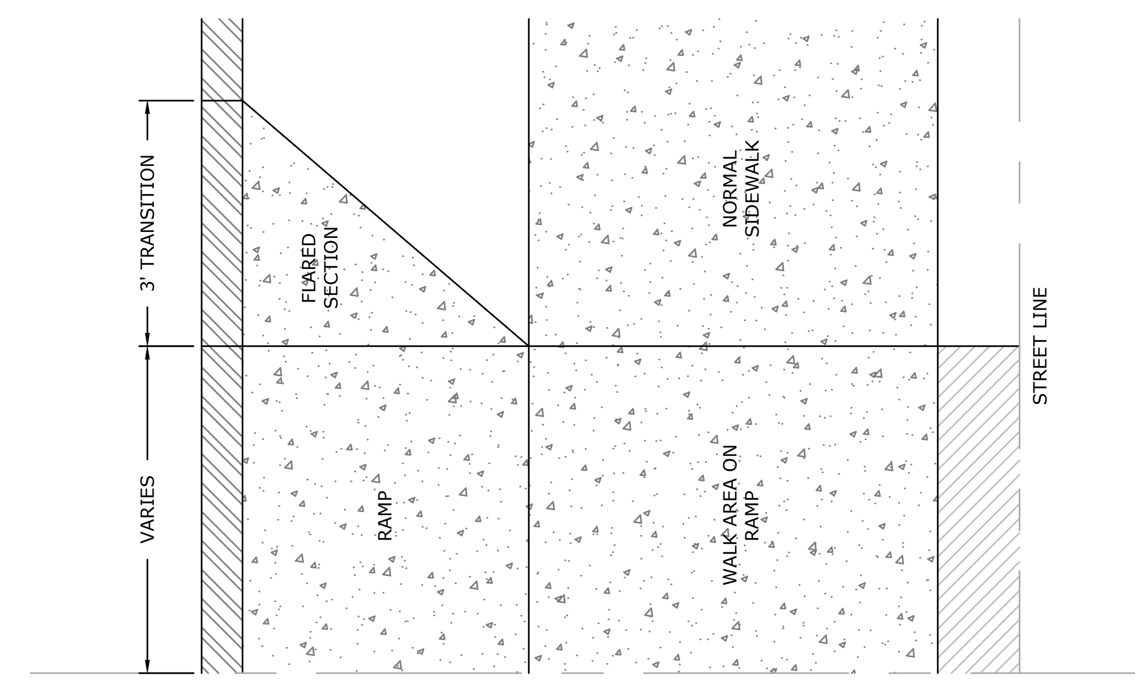
NOTE:
1. CONCRETE CURB AND CONCRETE SIDEWALK TO BE PAID FOR SEPARATELY UNDER CONCRETE CURB AND CONCRETE SIDEWALK ITEMS RESPECTIVELY.
2. SEE PLANS FOR SIDEWALK WIDTH

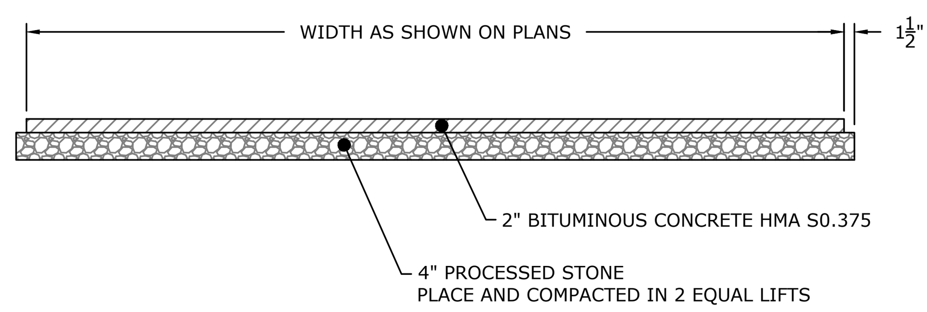
MONOLITHIC CONCRETE SIDEWALK
NOT TO SCALE



1. MAXIMUM 20' SPACING BETWEEN EXPANSION JOINTS FOR SIDEWALKS UP TO 7'. SIDEWALKS GREATER THAN 7' MAXIMUM SPACING OF 15'

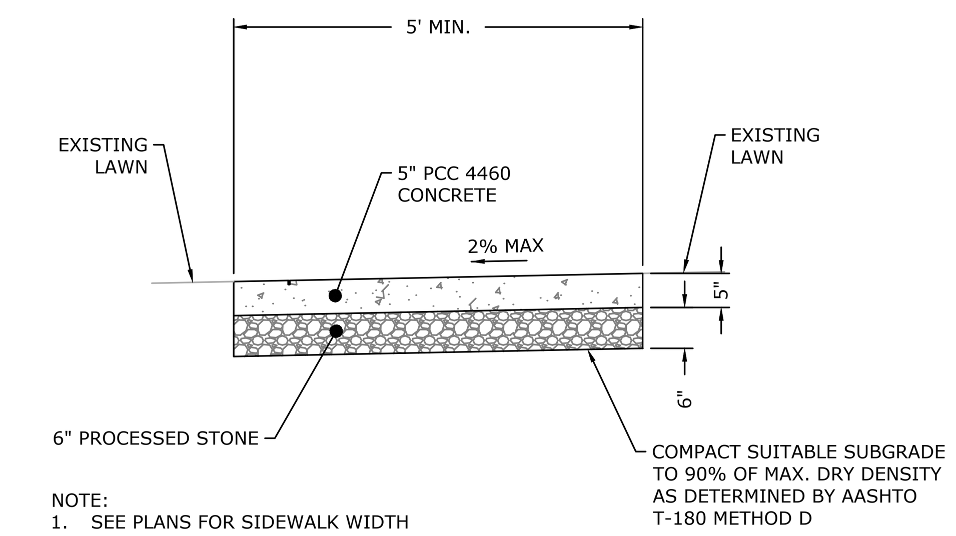
CONC. SIDEWALK JOINTING AND EDGING
NOT TO SCALE





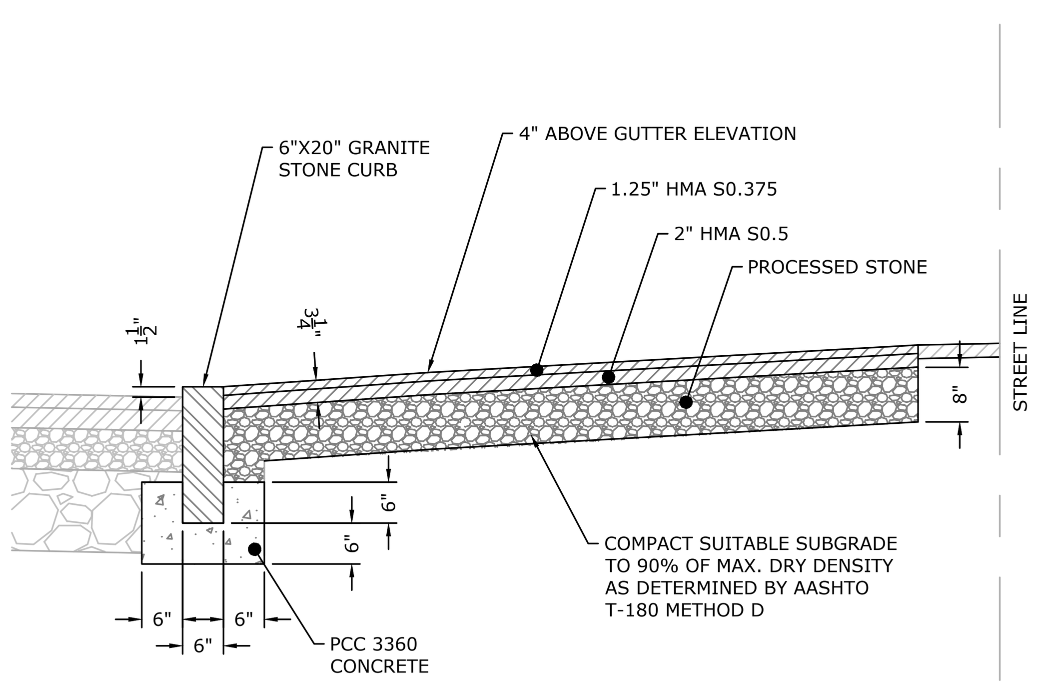
NOTE:
1. WHERE SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER

TEMPORARY BIT. CONC. SIDEWALK
NOT TO SCALE

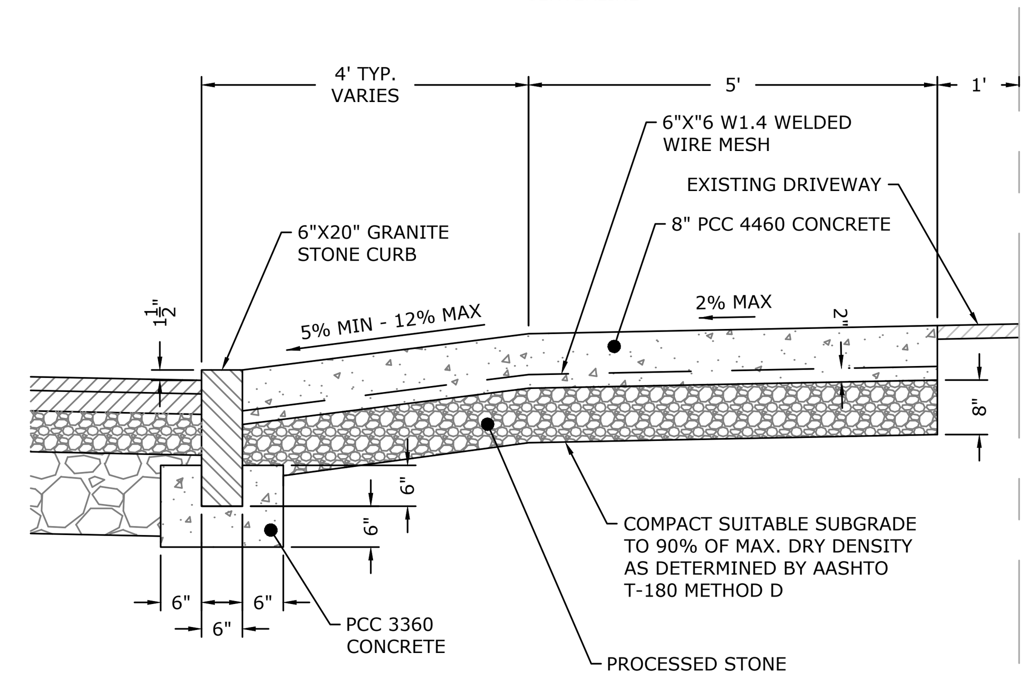


NOTE:
1. SEE PLANS FOR SIDEWALK WIDTH

CONCRETE SIDEWALK
NOT TO SCALE

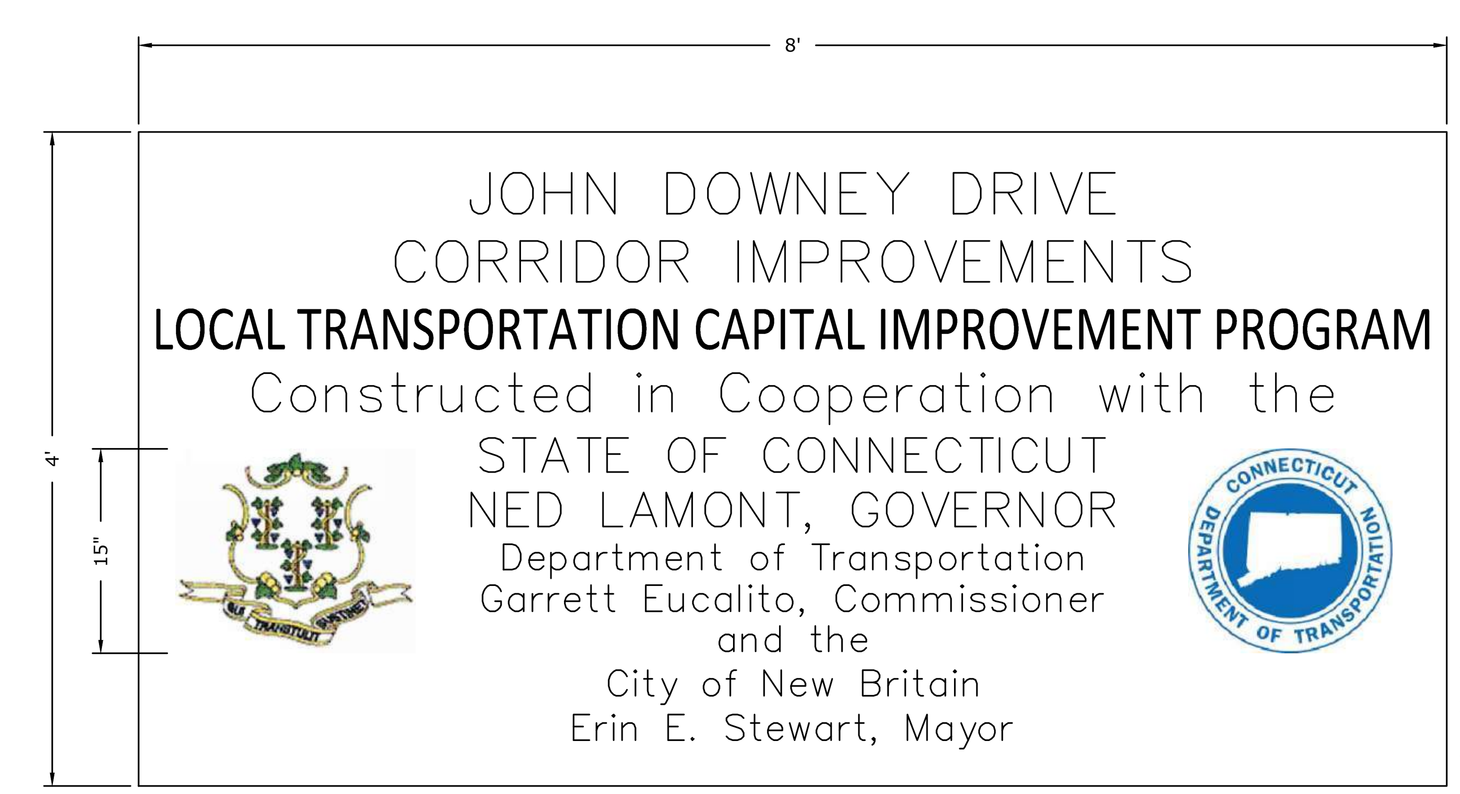


ROADWAY WITH GRANITE CURB



NOTE:
1. CONCRETE TO BE PLACED CONTINUOUSLY AT BASE OF GRANITE CURBING FOR ENTIRE WIDTH OF CONCRETE DRIVEWAY APRON INCLUDING FLARED SECTIONS OR CURVED RETURNS TO BE INCLUDED IN THE L.F. PRICE OF 6" GRANITE STONE CURB
2. SEE GRANITE CURB DETAILS FOR INSTALLATION ON EXISTING ROADS

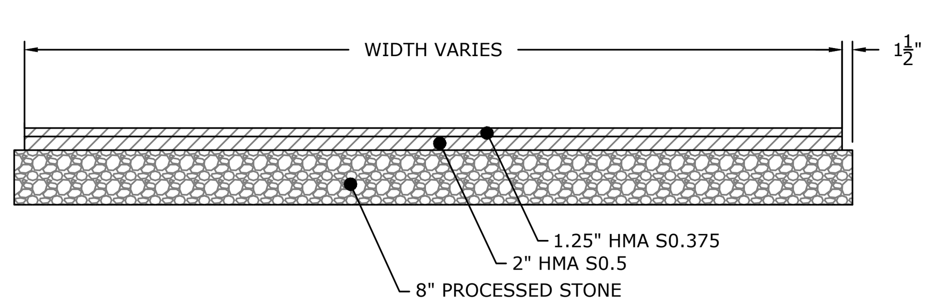
CONCRETE DRIVEWAY RAMP WITH GRANITE CURB
NOT TO SCALE



NOTES:
CONTRACTOR TO SUBMIT SHOP DRAWING FOR REVIEW AND APPROVAL.
TO BE PAID FOR AT THE CONTRACT UNIT PRICE FOR CONSTRUCTION SIGNS

SIGN PANEL:	¾" MDO-EXT-APA PLYWOOD OR 0.125" THICK SHEET ALUMINUM. TOP OF SIGN AT 8'-0" ABOVE GRADE.
SIGN SUPPORT:	ALL SUPPORTS SHALL HAVE BREAKAWAY FEATURES THAT SHALL BE STRUCTURALLY ADEQUATE TO WITHSTAND 60MPH WIND LOADING. A MINIMUM OF 2 FOOT EMBEDMENT BELOW GROUND LINE IS REQUIRED. MUST MEET AASHTO REQUIREMENTS CONTAINED IN THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS"
COLORS:	ALL LETTERS AND SYMBOLS ARE TO BE ROYAL BLUE. THE BACKGROUND WILL BE WHITE
ENAMEL:	BACK OF PLYWOOD AND SUPPORT STRUCTURE SHALL BE PAINTED MATTE BLACK.
TYPEFACE:	HELVETICA MEDIUM
LOCATION:	SIGN MUST BE LOCATED TO BE CLEARLY VISIBLE TO THE PUBLIC. THE SIGNS SHALL BE INSTALLED PARALLEL TO THE TRAVEL WAY, SO THEY ARE NOT EASILY VIEWABLE BY DRIVERS, AS THE SIGNS ARE NOT MUTCD COMPLIANT AND NOT INTENDED TO BE ROADWAY SIGNS. THE LATERAL OFFSET FROM THE EDGE OF ROAD TO THE FACE OF SIGN SHOULD BE 6-12 FEET. 12 FEET IS PROFFERED WHERE SPACE IS AVAILABLE FOR INSTALLATION. WHEN INSTALLED ON A TRAIL, THE LATERAL OFFSET SHOULD BE 2 FEET. THE BOTTOM OF THE SIGNS SHOULD BE MOUNTED 7 FEET ABOVE THE EDGE OF ROAD.
TIMING:	INSTALL AT THE START OF CONSTRUCTION AND REMOVE AT CONSTRUCTION COMPLETION.

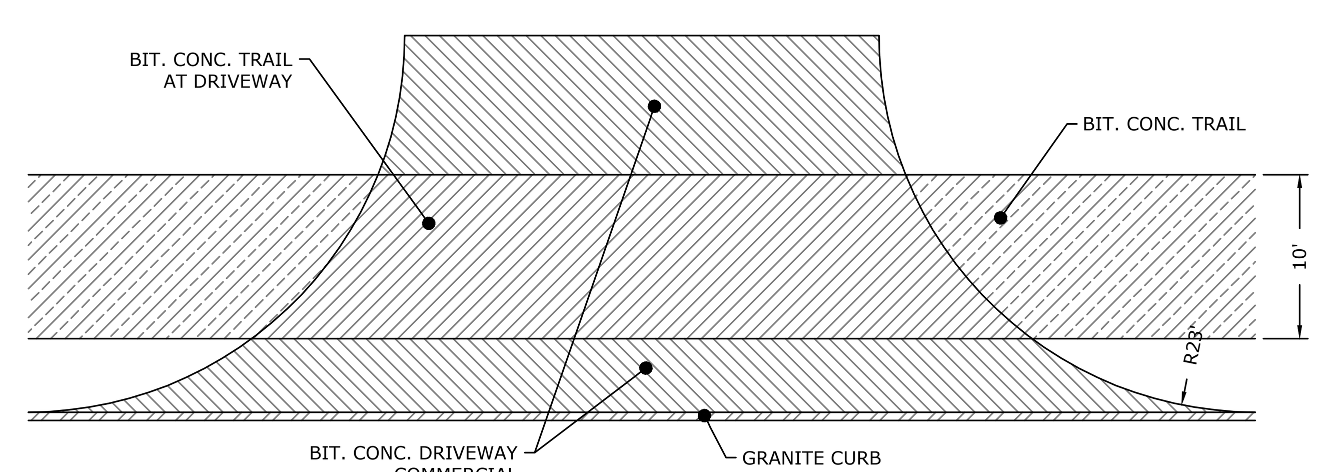
LOTCIP PROJECT SIGN
NOT TO SCALE



TYPICAL SECTION

NOTE:
1. CONCRETE TO BE PLACED CONTINUOUSLY AT BASE OF GRANITE CURBING FOR ENTIRE WIDTH OF DRIVEWAY APRON INCLUDING FLARED SECTIONS TO BE INCLUDED IN THE L.F. PRICE OF GRANITE STONE CURB
2. SEE GRANITE CURB DETAILS FOR INSTALLATION ON EXISTING ROADS
 * 3" FOR COMMERCIAL DRIVEWAYS

BITUMINOUS CONCRETE DRIVEWAY
NOT TO SCALE



NOTE:
1. CONCRETE TO BE PLACED CONTINUOUSLY AT BASE OF GRANITE CURBING FOR ENTIRE WIDTH OF CONCRETE DRIVEWAY TO BE INCLUDED IN THE L.F. PRICE OF 6" GRANITE STONE CURB
2. SEE GRANITE CURB DETAILS FOR INSTALLATION ON EXISTING ROADS

BITUMINOUS CONCRETE DRIVEWAY RAMP AT MULTI-USE TRAIL
NOT TO SCALE

CITY OF NEW BRITAIN
27 WEST MAIN STREET
NEW BRITAIN, CT 06051
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

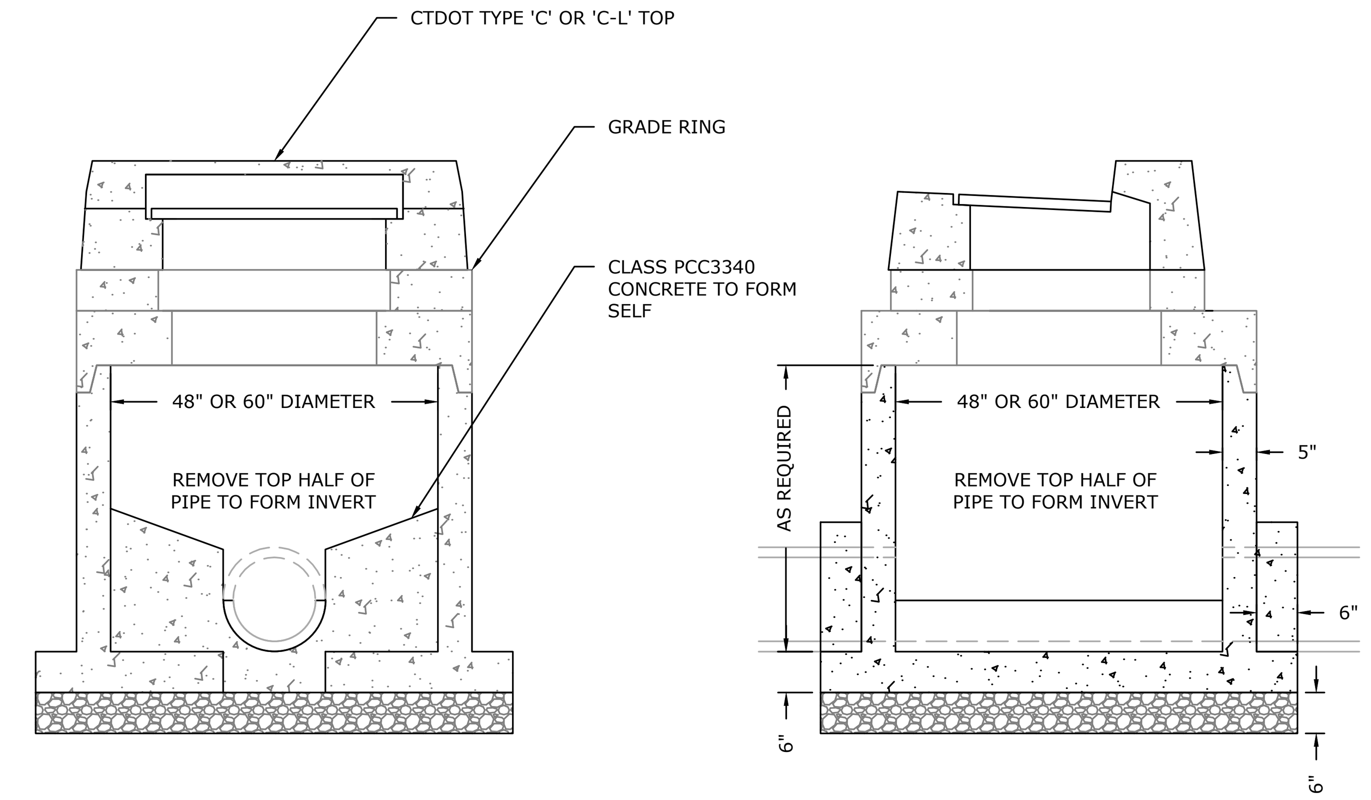
SEAL OF THE CITY OF NEW BRITAIN, CT. 1871

PROJECT TITLE: JOHN DOWNEY DRIVE CORRIDOR IMPROVEMENTS
DRAWING TITLE: MISCELLANEOUS DETAILS

FILENAME: PS-88L-004-MDS-01.dwg
DRAWN BY: J. OUTLAW
CHECKED BY: R. TROTTIER
SCALE: NOT TO SCALE

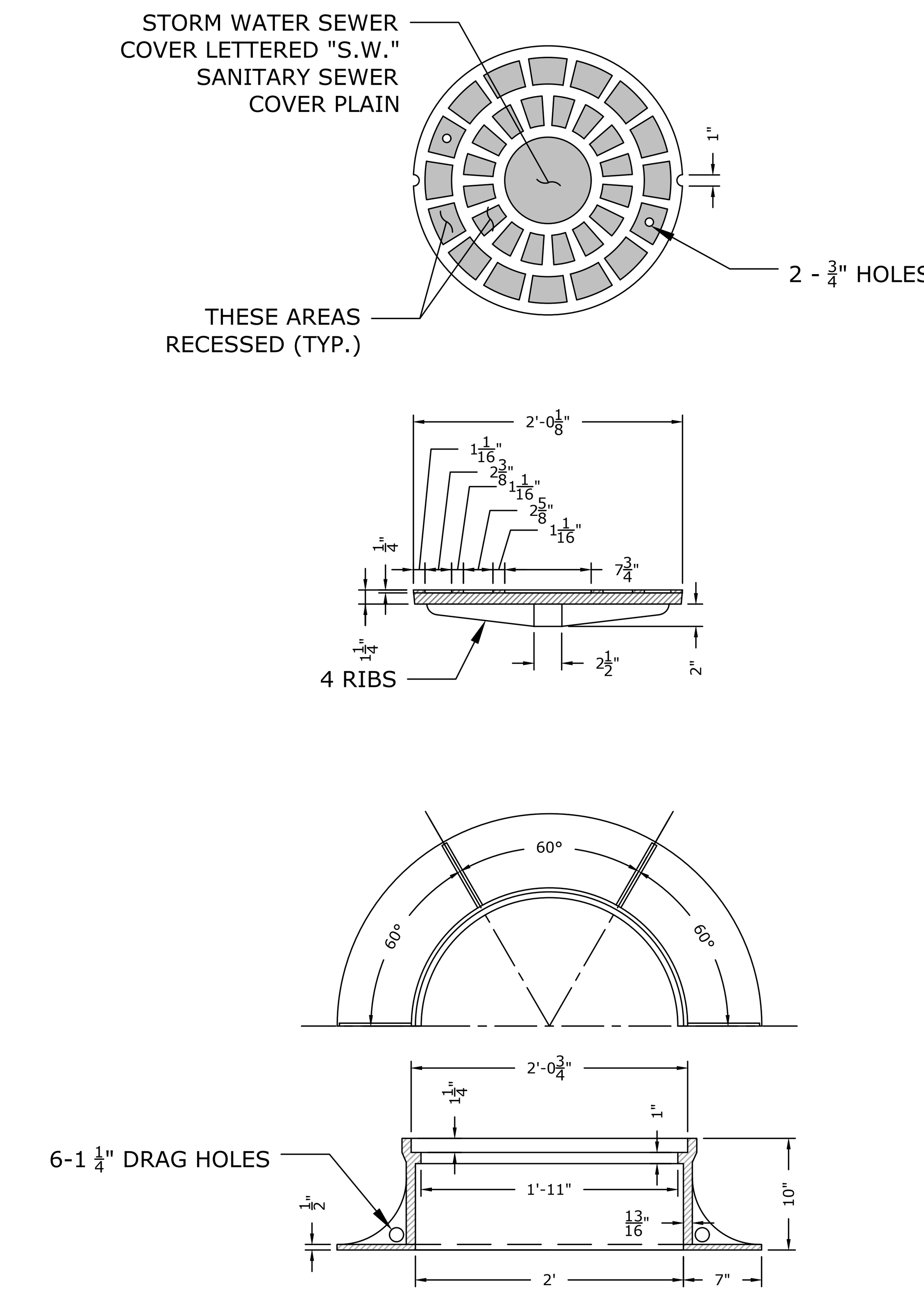
REV.	DATE	REVISION DESCRIPTION

DATE: December 29, 2023
PROJECT NUMBER: L088-0004
DRAWING NUMBER: MDS-02

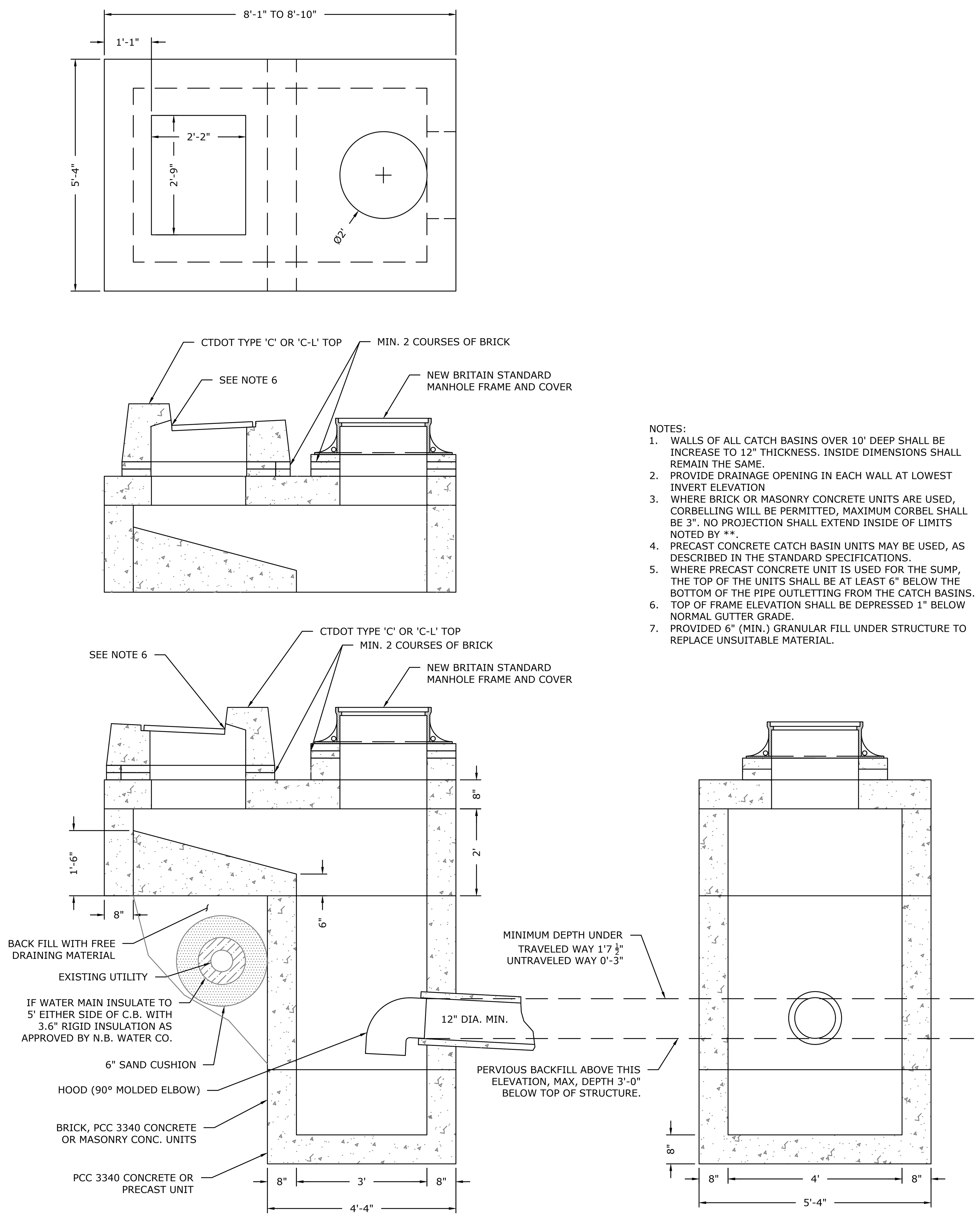


NOTES:
1. WALLS OF ALL CATCH BASINS OVER 10' DEEP SHALL BE INCREASE TO 12" THICKNESS. INSIDE DIMENSIONS SHALL REMAIN THE SAME.
2. PROVIDE DRAINAGE OPENING IN EACH WALL AT LOWEST INVERT ELEVATION
3. WHERE BRICK OR MASONRY CONCRETE UNITS ARE USED, CORBELLING WILL BE PERMITTED, MAXIMUM CORBEL SHALL BE 3". NO PROJECTION SHALL EXTEND INSIDE OF 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 UNITS SHALL BE AT LEAST 6" BELOW THE BOTTOM OF THE PIPE OUTLETTING FROM THE CATCH BASINS.
6. TOP OF FRAME ELEVATION SHALL BE DEPRESSED 1" BELOW NORMAL GUTTER GRADE.
7. PROVIDED 6" (MIN.) GRANULAR FILL UNDER STRUCTURE TO REPLACE UNSUITABLE MATERIAL.

DOGHOUSE CATCH BASIN
NOT TO SCALE

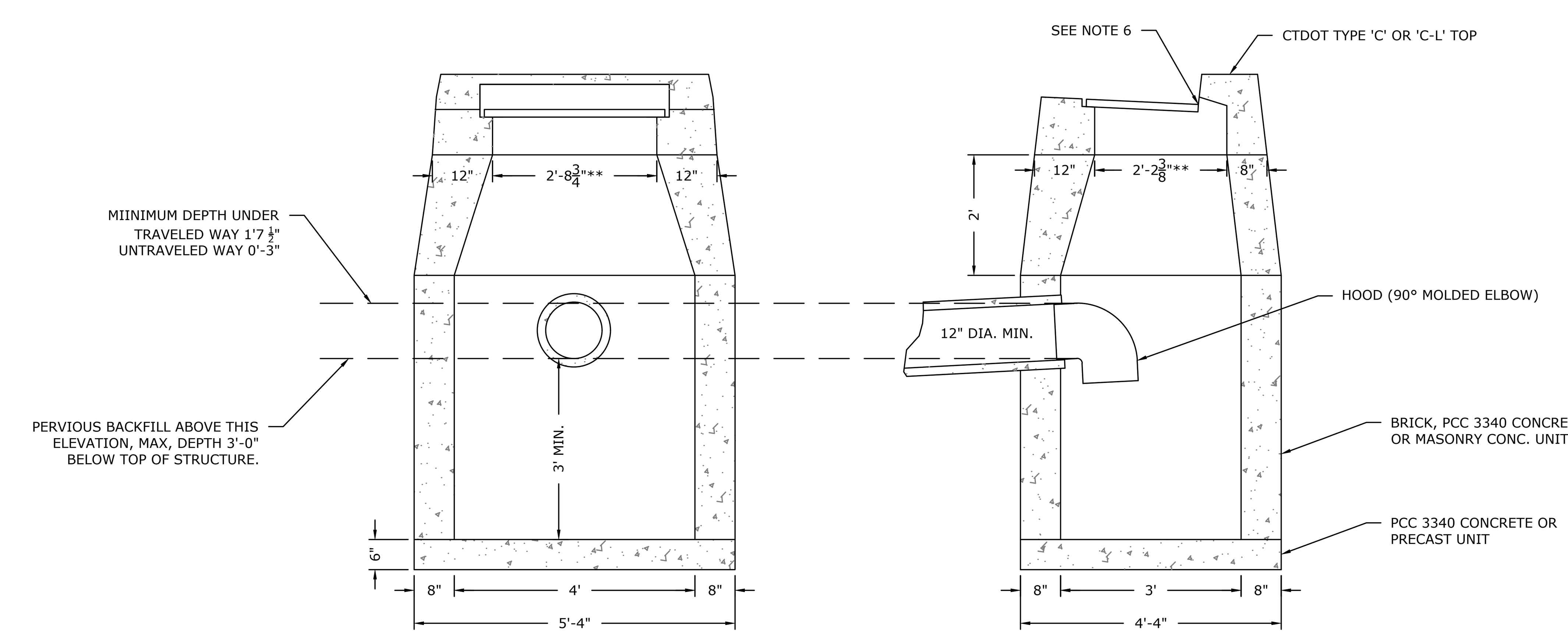


NEW BRITAIN STANDARD MANHOLE FRAME AND COVER
NOT TO SCALE



NOTES:
1. WALLS OF ALL CATCH BASINS OVER 10' DEEP SHALL BE INCREASE TO 12" THICKNESS. INSIDE DIMENSIONS SHALL REMAIN THE SAME.
2. PROVIDE DRAINAGE OPENING IN EACH WALL AT LOWEST INVERT ELEVATION
3. WHERE BRICK OR MASONRY CONCRETE UNITS ARE USED, CORBELLING WILL BE PERMITTED, MAXIMUM CORBEL SHALL BE 3". NO PROJECTION SHALL EXTEND INSIDE OF 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 UNITS SHALL BE AT LEAST 6" BELOW THE BOTTOM OF THE PIPE OUTLETTING FROM THE CATCH BASINS.
6. TOP OF FRAME ELEVATION SHALL BE DEPRESSED 1" BELOW NORMAL GUTTER GRADE.
7. PROVIDED 6" (MIN.) GRANULAR FILL UNDER STRUCTURE TO REPLACE UNSUITABLE MATERIAL.

OFFSET CATCH BASIN
NOT TO SCALE



NOTES:
1. WALLS OF ALL CATCH BASINS OVER 10' DEEP SHALL BE INCREASE TO 12" THICKNESS. INSIDE DIMENSIONS SHALL REMAIN THE SAME.
2. PROVIDE DRAINAGE OPENING IN EACH WALL AT LOWEST INVERT ELEVATION
3. WHERE BRICK OR MASONRY CONCRETE UNITS ARE USED, CORBELLING WILL BE PERMITTED, MAXIMUM CORBEL SHALL BE 3". NO PROJECTION SHALL EXTEND INSIDE OF 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 UNITS SHALL BE AT LEAST 6" BELOW THE BOTTOM OF THE PIPE OUTLETTING FROM THE CATCH BASINS.
6. TOP OF FRAME ELEVATION SHALL BE DEPRESSED 1" BELOW NORMAL GUTTER GRADE.
7. PROVIDED 6" (MIN.) GRANULAR FILL UNDER STRUCTURE TO REPLACE UNSUITABLE MATERIAL.

CATCH BASIN
NOT TO SCALE

CITY OF NEW BRITAIN
27 WEST MAIN STREET
NEW BRITAIN, CT 06051
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

SEAL OF THE CITY OF NEW BRITAIN, CT. 1871

PROJECT TITLE: JOHN DOWNEY DRIVE CORRIDOR IMPROVEMENTS

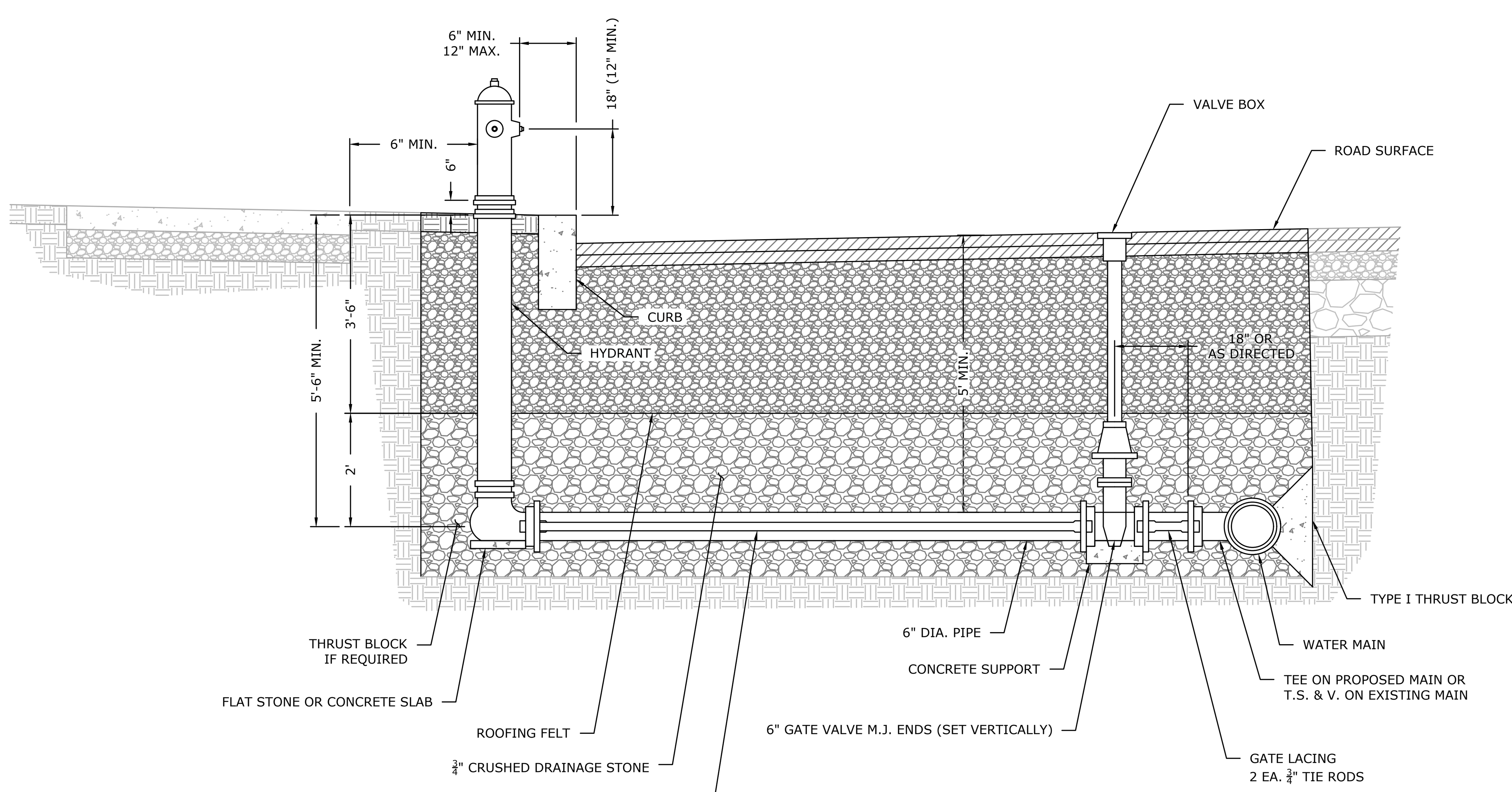
DRAWING TITLE: MISCELLANEOUS DETAILS

DRAWN BY: J. OUTLAW
CHECKED BY: R. TROTTIER
SCALE: NOT TO SCALE

REV.	DATE	REVISION DESCRIPTION

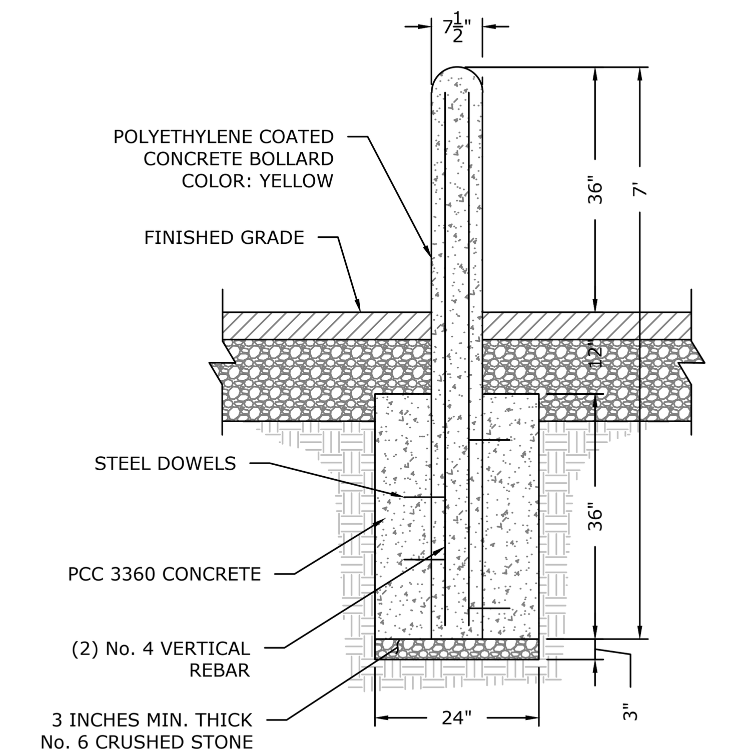
FILENAME: PS-88L-004-MDS-01.dwg
DATE: December 29, 2023

PROJECT NUMBER: L088-0004
DRAWING NUMBER: MDS-03



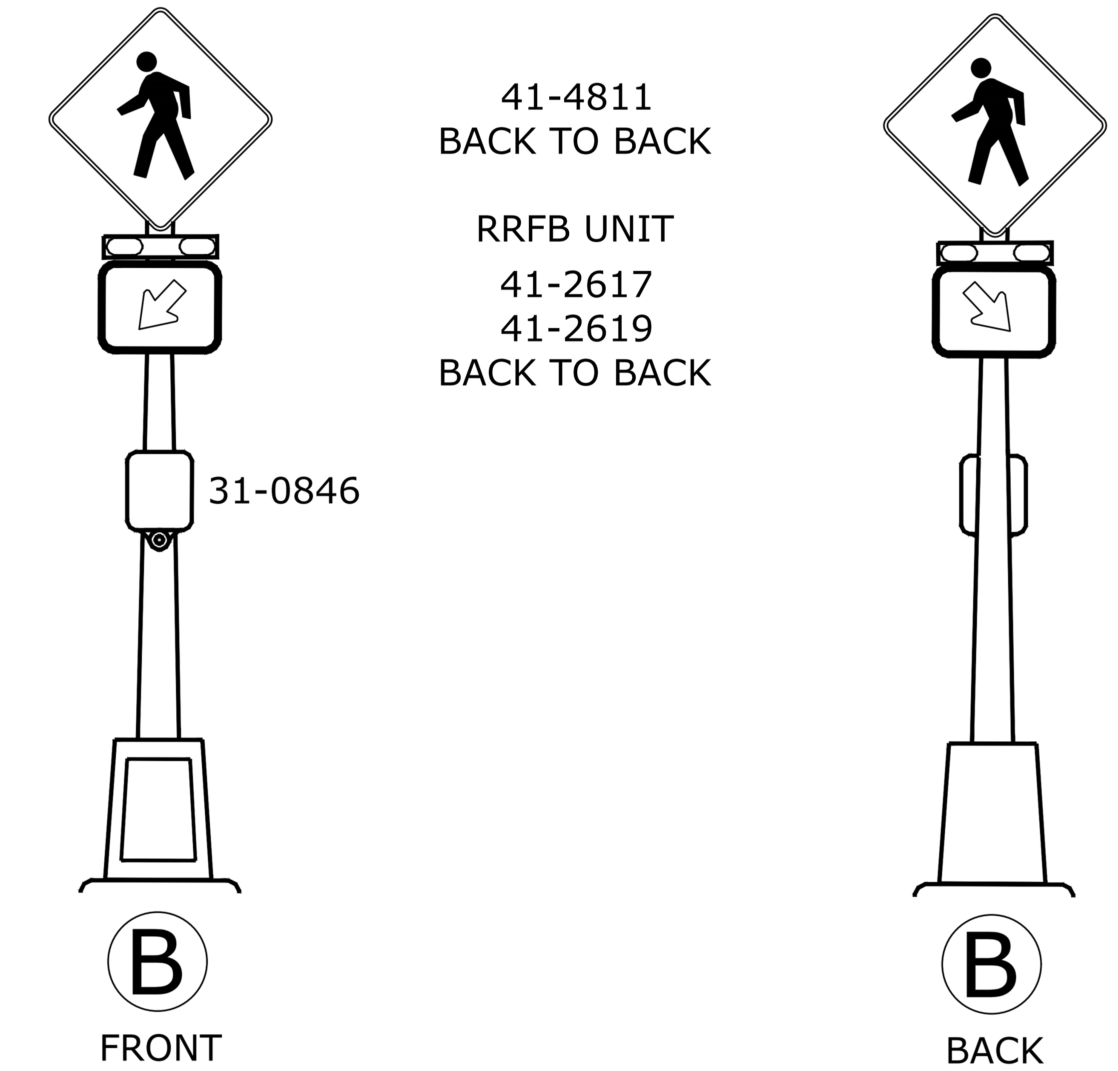
NOTE:
1. ALL JOINTS SHALL BE MJ SERIES 1100 MEGA-LUG FOLLOWER GLANDS.
2. HYDRANT SHALL BE MUELLER HYDRANT SUPER CENTURION 250, A423 5" VALVE OPENING WITH PUMPER, OPEN LEFT, 5'6" BURY DEPTH.
3. USE OFFSETS WHERE REQUIRED.

HYDRANT ASSEMBLY
NOT TO SCALE

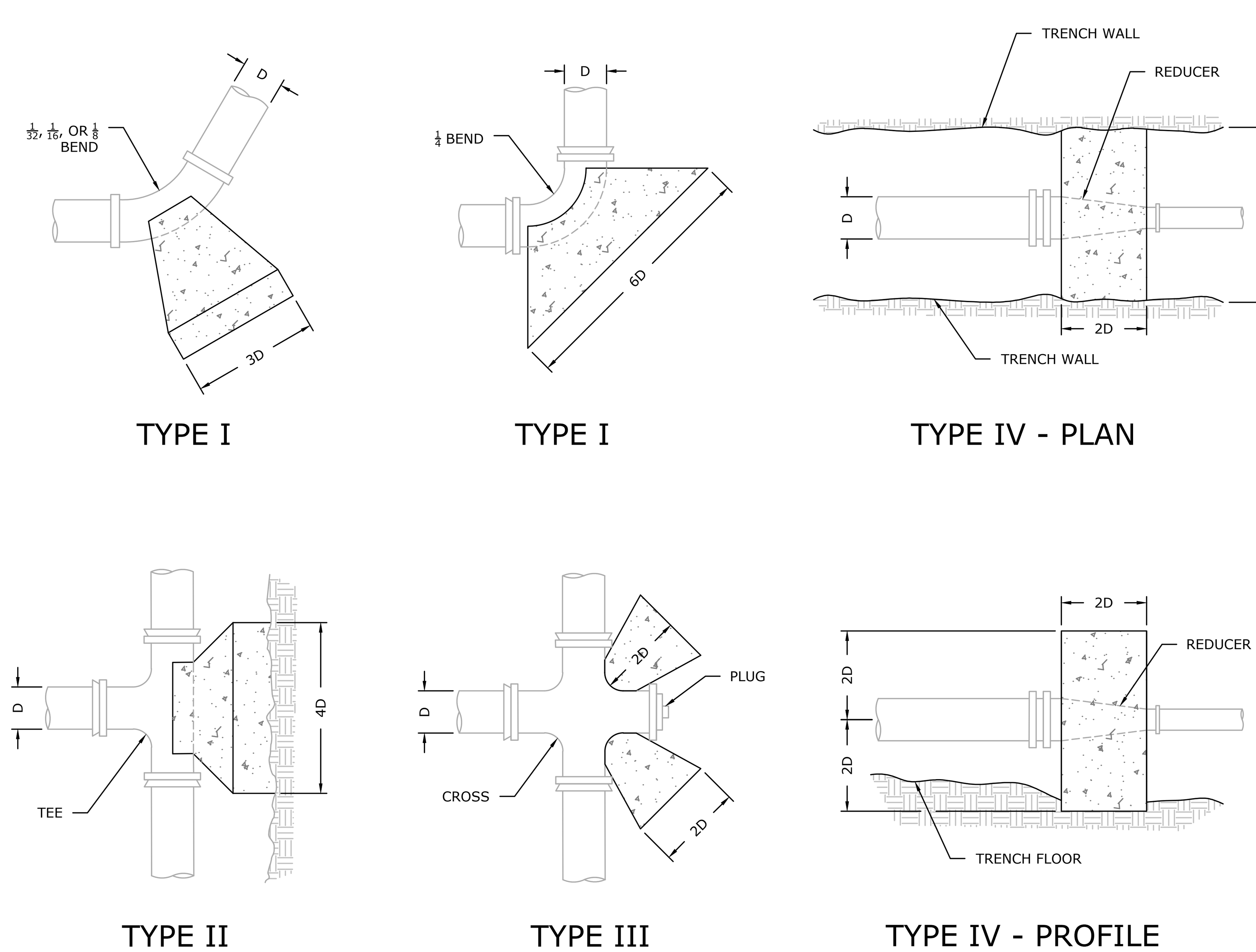


NOTE:
1. ALL CONCRETE, REBAR, DOWELS, SONO-TUBE AND ANY OTHER REQUIRED MATERIAL FOR FOUNDATION IS PAID FOR UNDER THE UNIT PRICE OF BOLLARD.

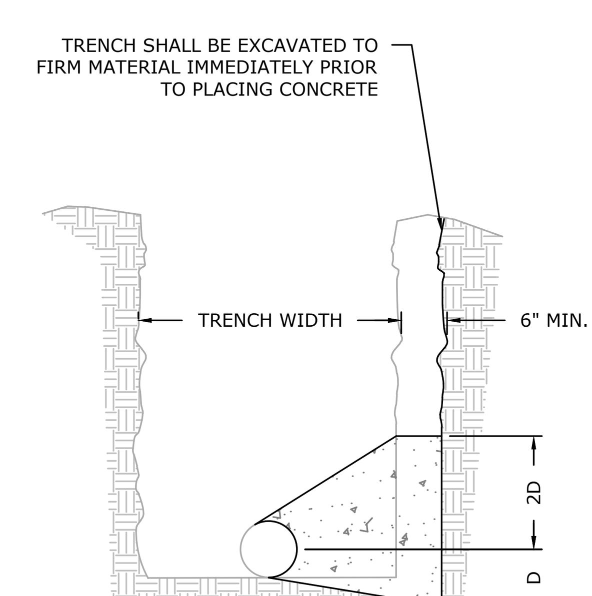
BOLLARD
NOT TO SCALE



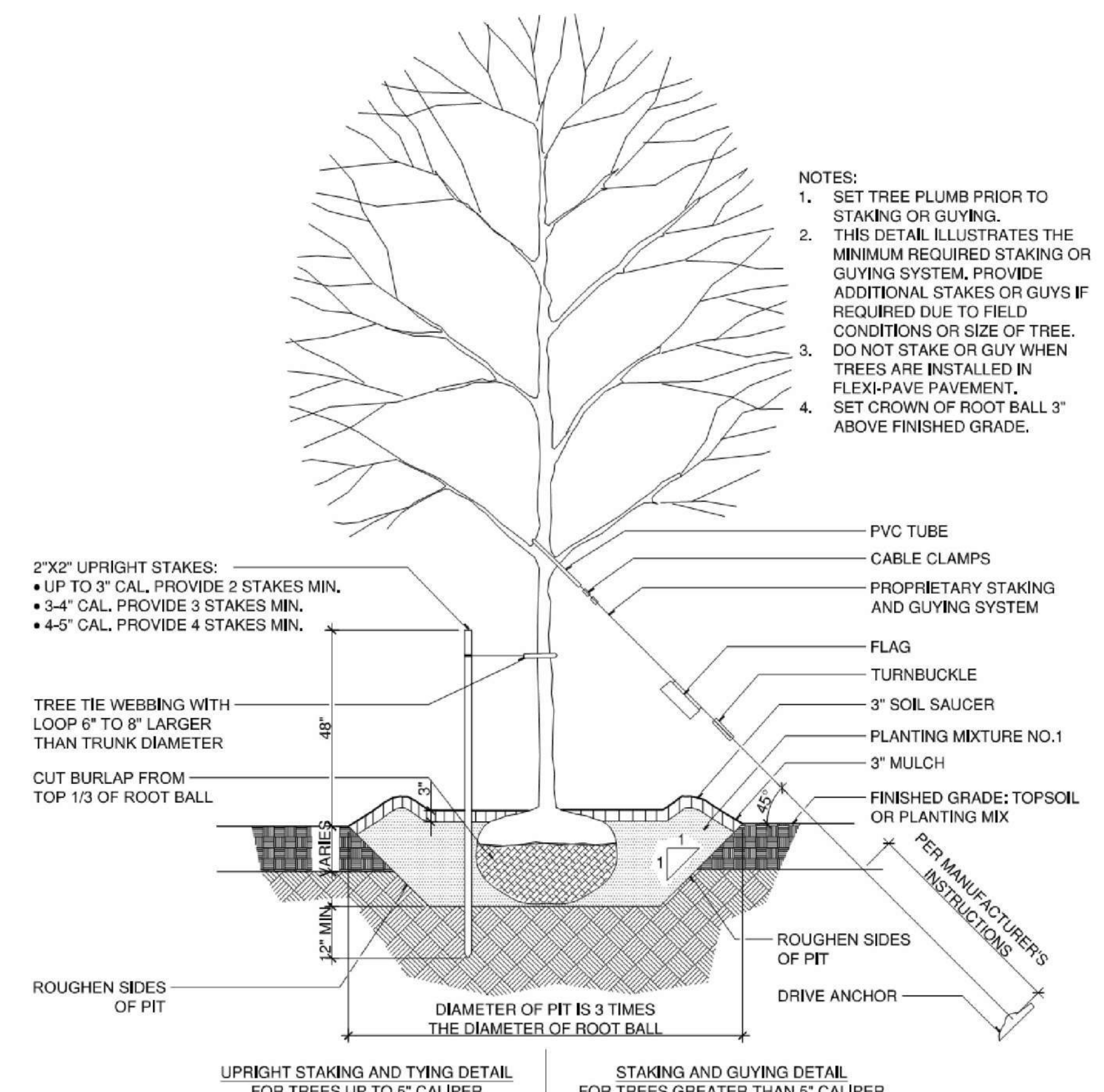
RRFB ASSEMBLY TYPE B
NOT TO SCALE



CONCRETE THRUST BLOCKS
NOT TO SCALE



TYPICAL SECTION



TREE PLANTING
SCALE: 1/2"=1'
Y:\2012024\4condoc\details\2950s01a.dwg

CITY OF NEW BRITAIN
27 WEST MAIN STREET
NEW BRITAIN, CT 06051
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

SEAL OF THE CITY OF NEW BRITAIN, CT. 1871

PROJECT TITLE
JOHN DOWNEY DRIVE
CORRIDOR IMPROVEMENTS

DRAWING TITLE
MISCELLANEOUS DETAILS

FILENAME: PS-88L-004-MDS-01.dwg

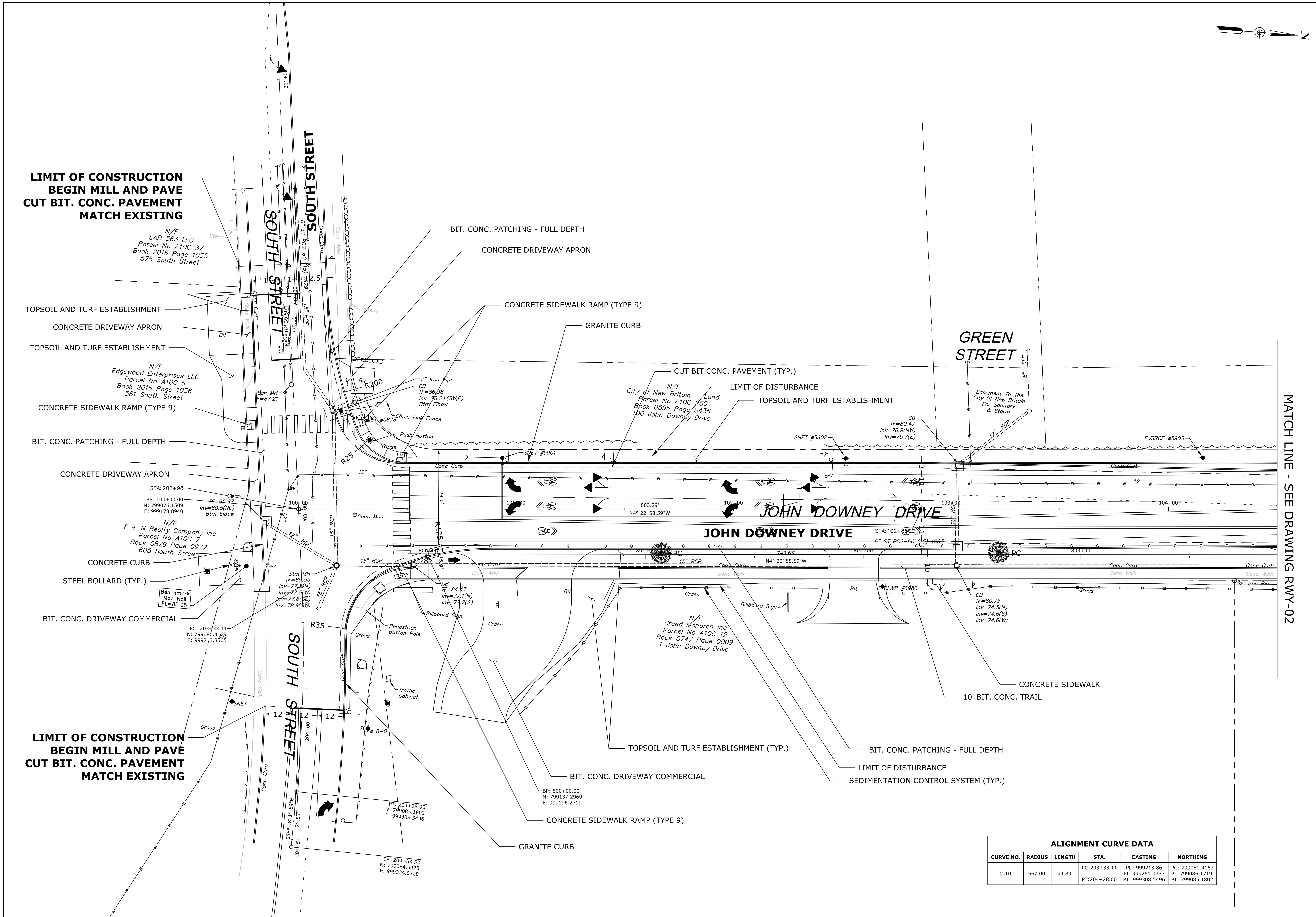
DRAWN BY: J. OUTLAW
CHECKED BY: R. TROTTIER
SCALE: NOT TO SCALE

REV.	DATE	REVISION DESCRIPTION

DATE: December 29, 2023

PROJECT NUMBER
L088-0004

DRAWING NUMBER
MDS-04



ALIGNMENT CURVE DATA

CURVE NO.	RADIUS	LENGTH	STA.	EASTING	NORTHING
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CITY OF NEW BRITAIN
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DEPARTMENT OF PUBLIC WORKS
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SEAL OF THE CITY OF NEW BRITAIN, CT. 1871

PROJECT TITLE: JOHN DOWNEY DRIVE CORRIDOR IMPROVEMENTS

DRAWING TITLE: ROADWAY PLAN

DRAWN BY: J OUTLAW

CHECKED BY: R TROTTIER

SCALE: 1" = 20'

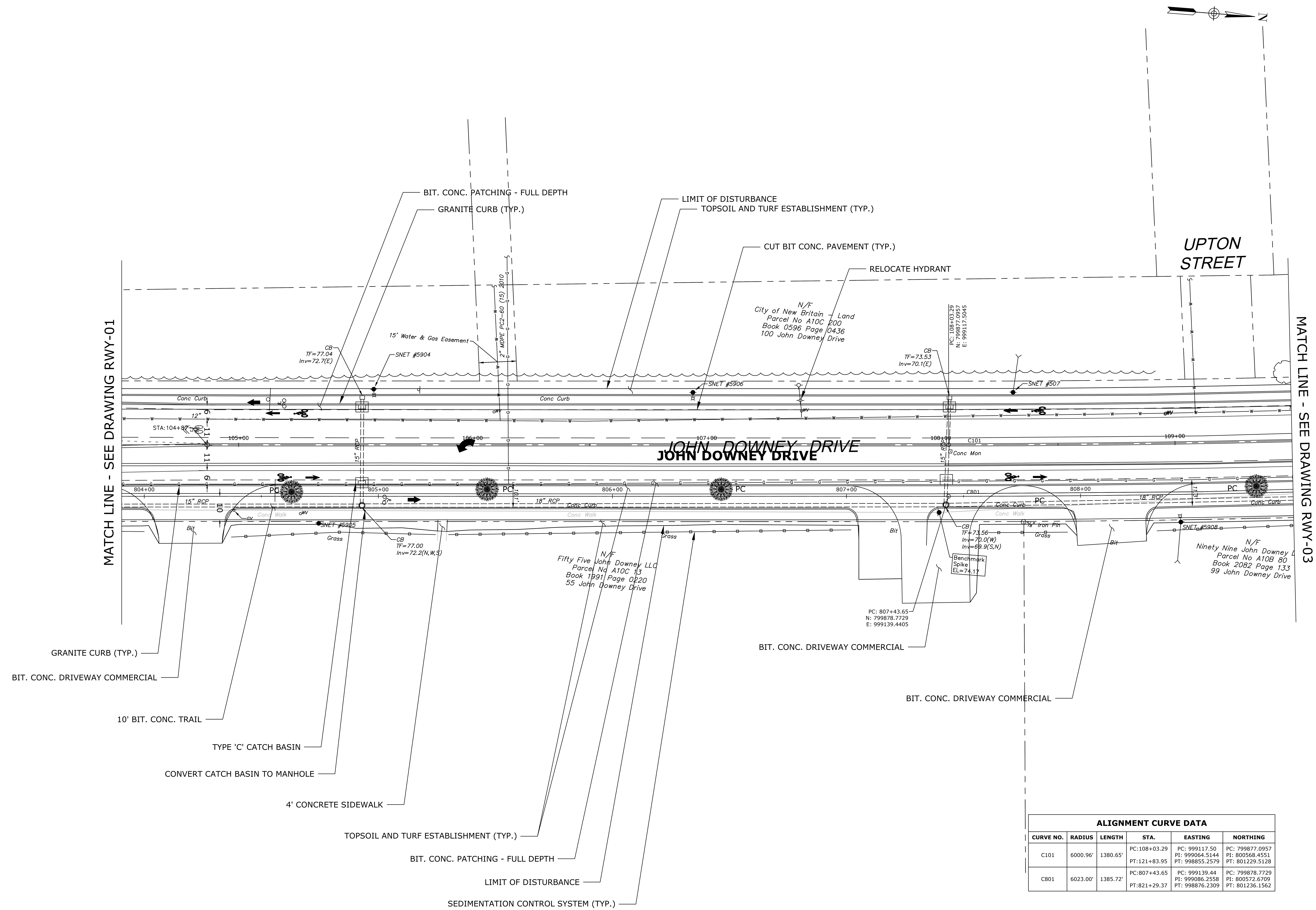
REV. | DATE | REVISION DESCRIPTION

PROJECT NUMBER: L088-0004

DRAWING NUMBER: RWY-01

FILENAME: PS-88L-004-RWY-01.dwg

DATE: December 29, 2023



ALIGNMENT CURVE DATA

CURVE NO.	RADIUS	LENGTH	STA.	EASTING	NORTHING
C101	6000.96'	1380.65'	PC:108+03.29 PT:121+83.95	PC: 999117.50 PI: 999064.5144 PT: 998855.2579	PC: 799877.0957 PI: 800568.4551 PT: 801229.5128
C801	6023.00'	1385.72'	PC:807+43.65 PT:821+29.37	PC: 999139.44 PI: 999086.2558 PT: 998876.2309	PC: 799878.7729 PI: 800572.6709 PT: 801236.1562

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SEAL OF THE CITY OF NEW BRITAIN, CT. 1871

PROJECT TITLE
JOHN DOWNEY DRIVE
CORRIDOR IMPROVEMENTS

DRAWING TITLE
ROADWAY PLAN

FILENAME: PS-88L-004-RWY-01.dwg

DRAWN BY J OUTLAW
CHECKED BY R TROTTIER

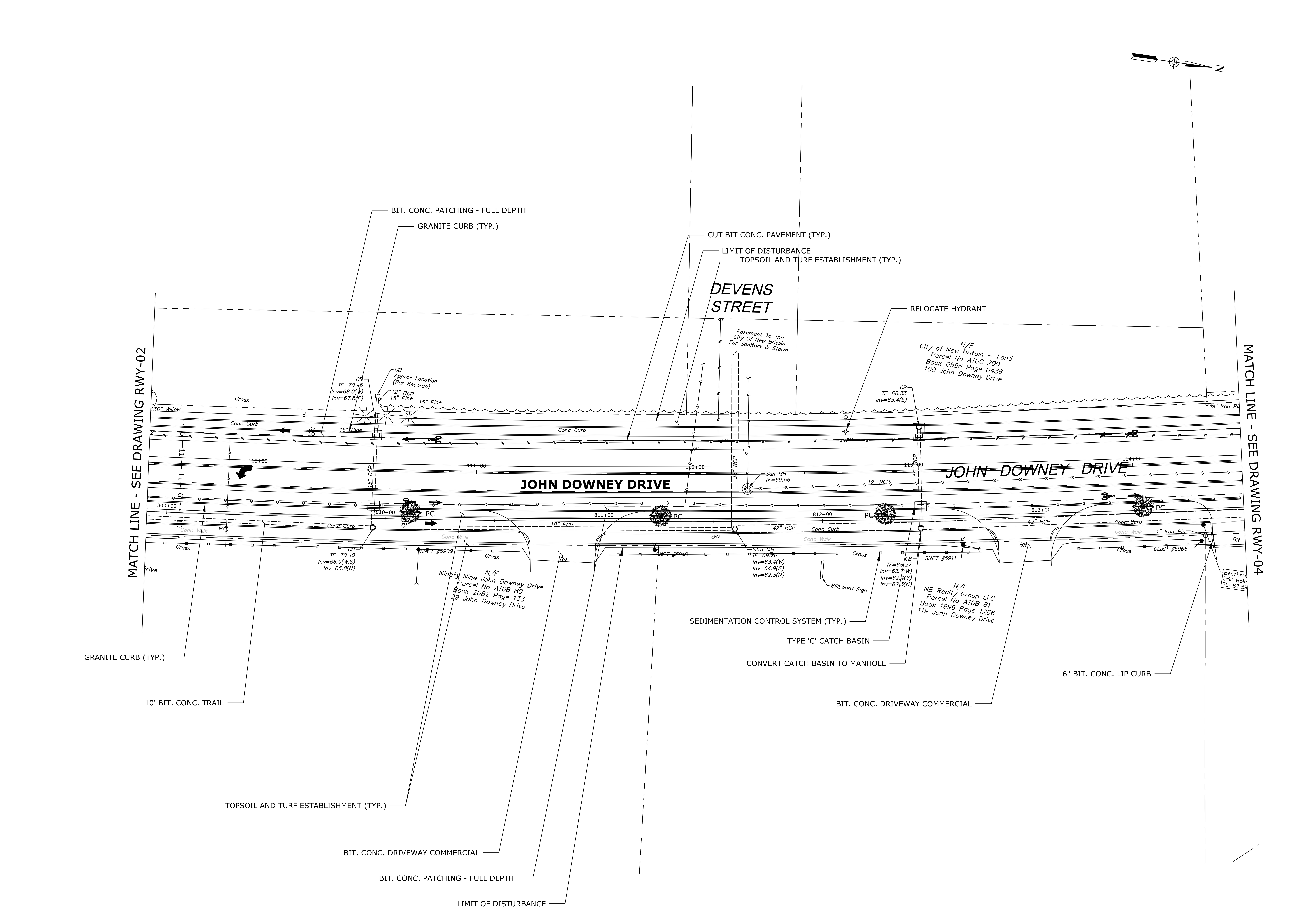
SCALE 1" = 20'
0 20 40

REV.	DATE	REVISION DESCRIPTION

DATE: December 29, 2023

PROJECT NUMBER L088-0004

DRAWING NUMBER RWY-02



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DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

SEAL OF THE CITY OF NEW BRITAIN, CT. 1871

PROJECT TITLE
JOHN DOWNEY DRIVE CORRIDOR IMPROVEMENTS

DRAWING TITLE
ROADWAY PLAN

FILENAME: PS-88L-004-RWY-01.dwg

DRAWN BY J OUTLAW
CHECKED BY R TROTTIER

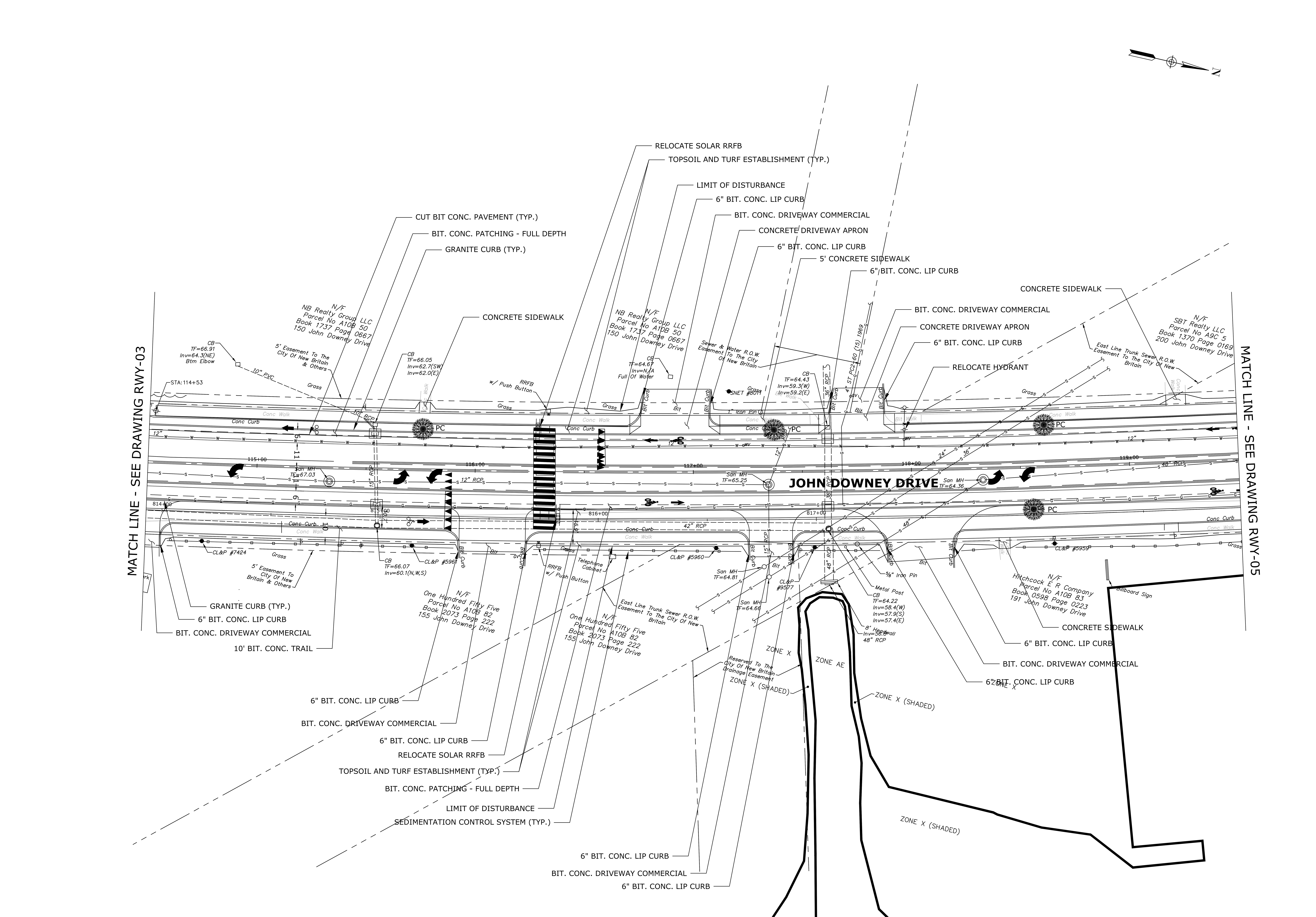
1" = 20'
0 20 40
SCALE

REV.	DATE	REVISION DESCRIPTION

DATE: December 29, 2023

PROJECT NUMBER
L088-0004

DRAWING NUMBER
RWY-03



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DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

SEAL OF THE CITY OF NEW BRITAIN, CT. 1871

PROJECT TITLE
JOHN DOWNEY DRIVE
CORRIDOR IMPROVEMENTS

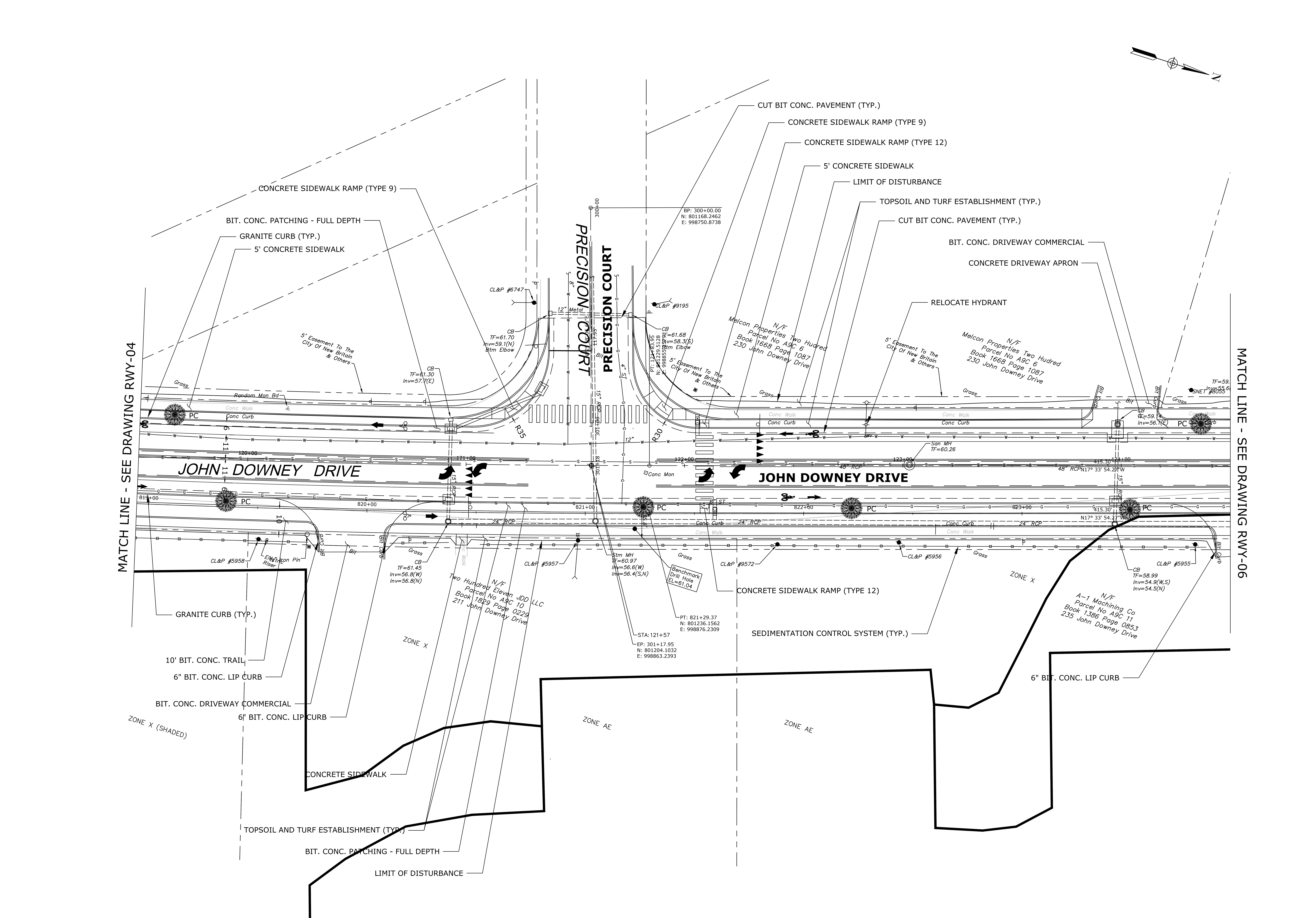
DRAWING TITLE
ROADWAY PLAN

DRAWN BY J OUTLAW
CHECKED BY R TROTTIER
1" = 20'
SCALE 0 20 40

REV. | DATE | REVISION DESCRIPTION

FILENAME: PS-88L-004-RWY-01.dwg
DATE: December 29, 2023

PROJECT NUMBER L088-0004
DRAWING NUMBER RWY-04



CITY OF NEW BRITAIN
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NEW BRITAIN, CT 06051
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

SEAL OF THE CITY OF NEW BRITAIN, CT. 1871

PROJECT TITLE: JOHN DOWNEY DRIVE CORRIDOR IMPROVEMENTS

DRAWING TITLE: ROADWAY PLAN

FILENAME: PS-88L-004-RWY-01.dwg

DRAWN BY: J OUTLAW

CHECKED BY: R TROTTIER

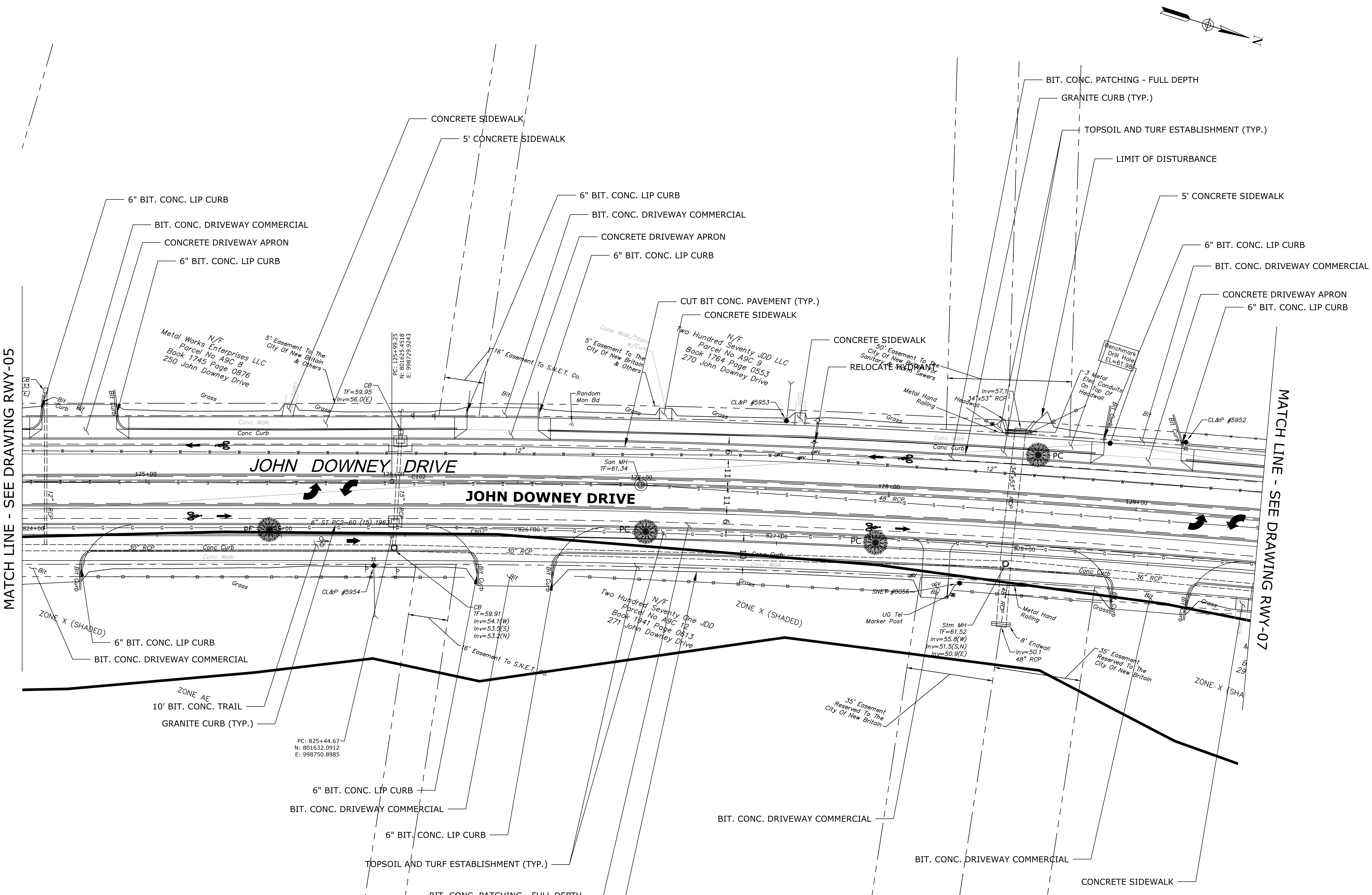
SCALE: 1" = 20' (0 20 40)

REV.	DATE	REVISION DESCRIPTION

DATE: December 29, 2023

PROJECT NUMBER: L088-0004

DRAWING NUMBER: RWY-05



ALIGNMENT CURVE DATA

CURVE NO.	RADIUS	LENGTH	STA.	EASTING	NORTHING
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C802	3957.00'	1679.34'	PC:825+44.67 PT:842+24.01	PC: 998750.90 PI: 998493.6218 PT: 998593.8400	PC: 801632.0912 PI: 802444.8486 PT: 803291.4431

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DEPARTMENT OF PUBLIC WORKS
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SEAL OF THE CITY OF NEW BRITAIN, CT. 1871

PROJECT TITLE: JOHN DOWNEY DRIVE CORRIDOR IMPROVEMENTS

DRAWING TITLE: ROADWAY PLAN

FILENAME: PS-88L-004-RWY-01.dwg

DRAWN BY: J OUTLAW

CHECKED BY: R TROTTIER

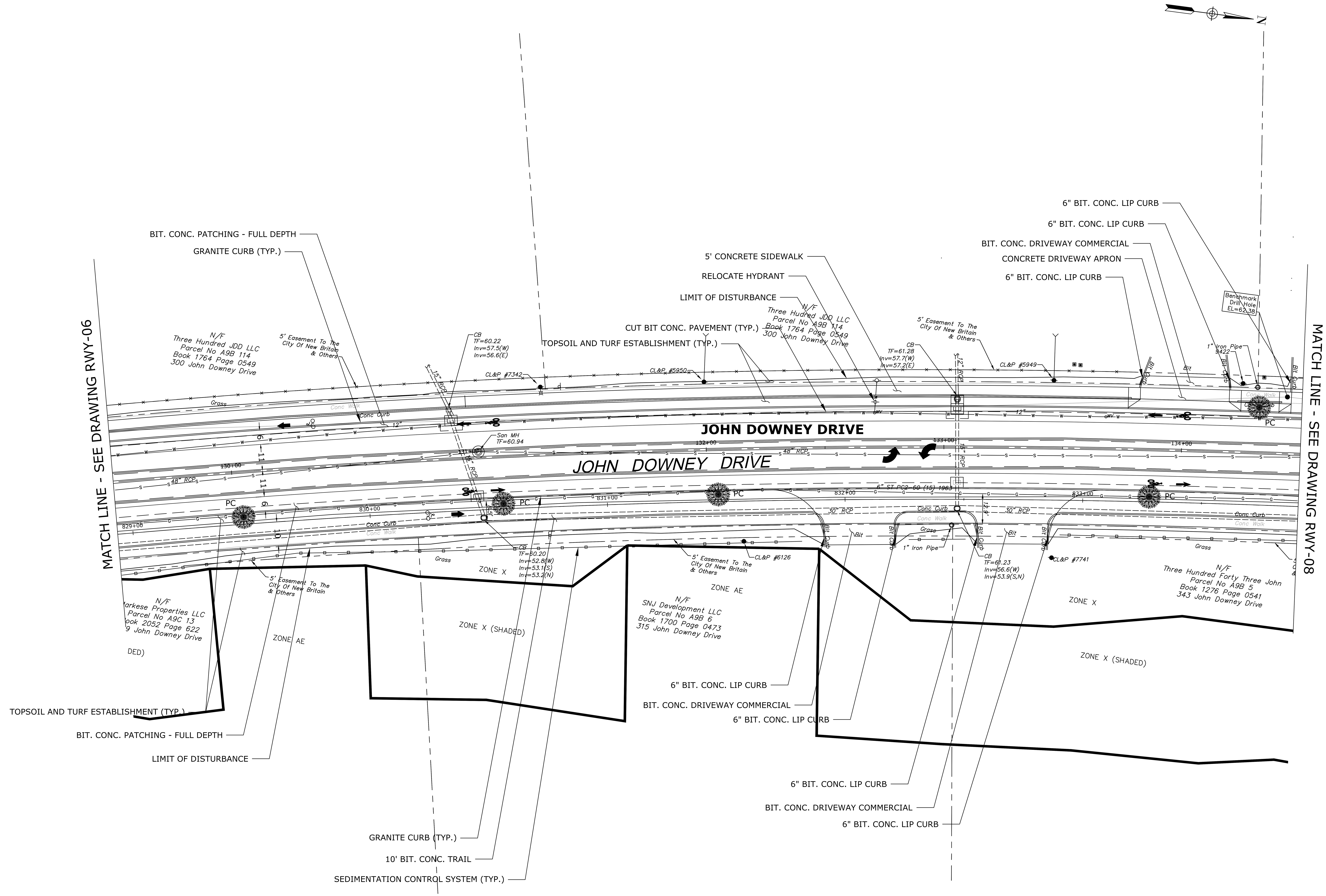
SCALE: 1" = 20' (0 20 40)

REV.	DATE	REVISION DESCRIPTION

DATE: December 29, 2023

PROJECT NUMBER: L088-0004

DRAWING NUMBER: RWY-06



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DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

SEAL OF THE CITY OF NEW BRITAIN, CT. 1871

PROJECT TITLE: JOHN DOWNEY DRIVE CORRIDOR IMPROVEMENTS

DRAWING TITLE: ROADWAY PLAN

FILENAME: PS-88L-004-RWY-01.dwg

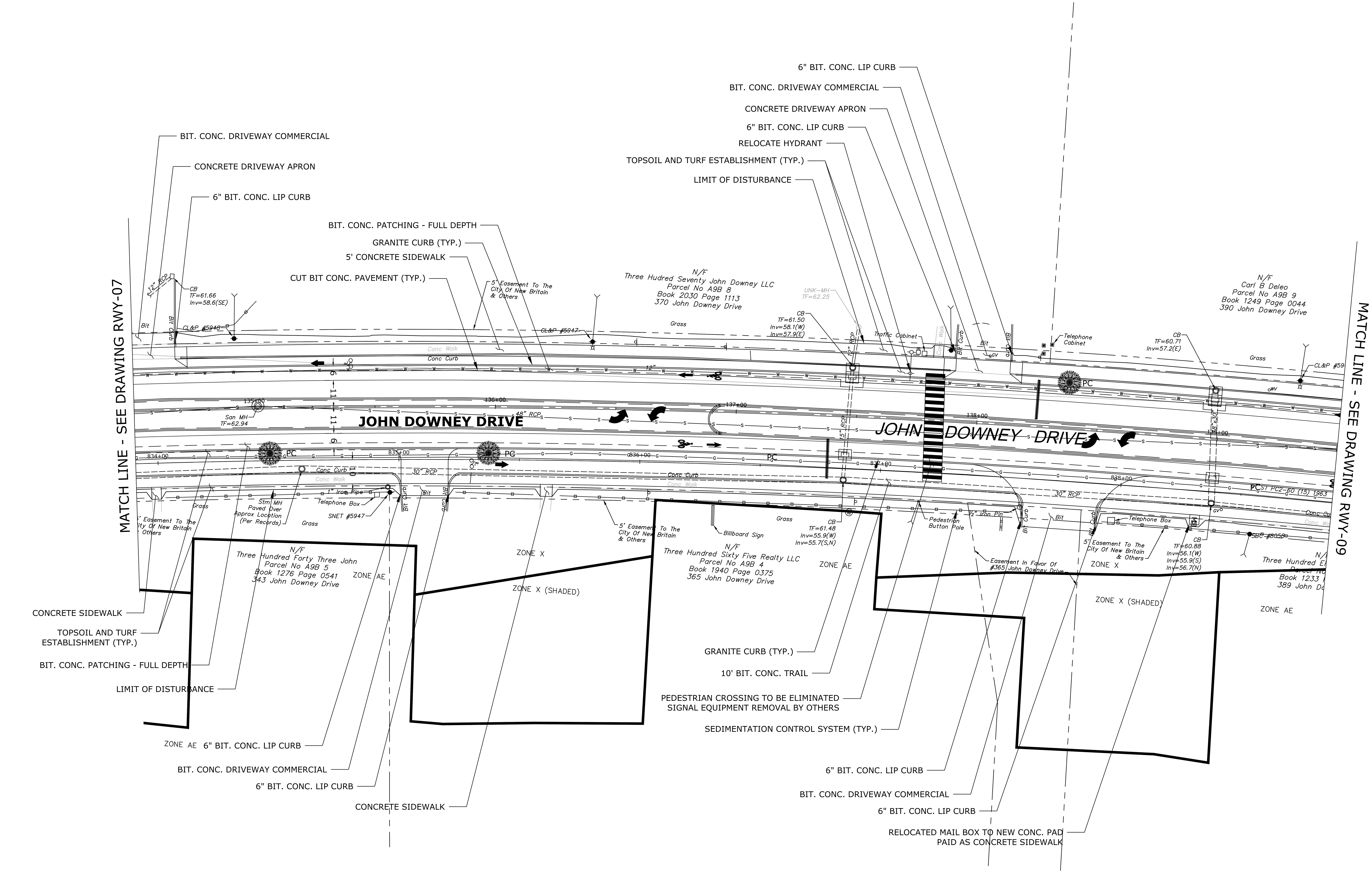
DRAWN BY: J OUTLAW
CHECKED BY: R TROTTIER

SCALE: 1" = 20' (0 20 40)

REV.	DATE	REVISION DESCRIPTION

DATE: December 29, 2023

PROJECT NUMBER: L088-0004
DRAWING NUMBER: RWY-07



CITY OF NEW BRITAIN
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DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

SEAL OF THE CITY OF NEW BRITAIN, CT. 1871

PROJECT TITLE: JOHN DOWNEY DRIVE CORRIDOR IMPROVEMENTS

DRAWING TITLE: ROADWAY PLAN

FILENAME: PS-88L-004-RWY-01.dwg

DRAWN BY: J OUTLAW

CHECKED BY: R TROTTIER

SCALE: 1" = 20'

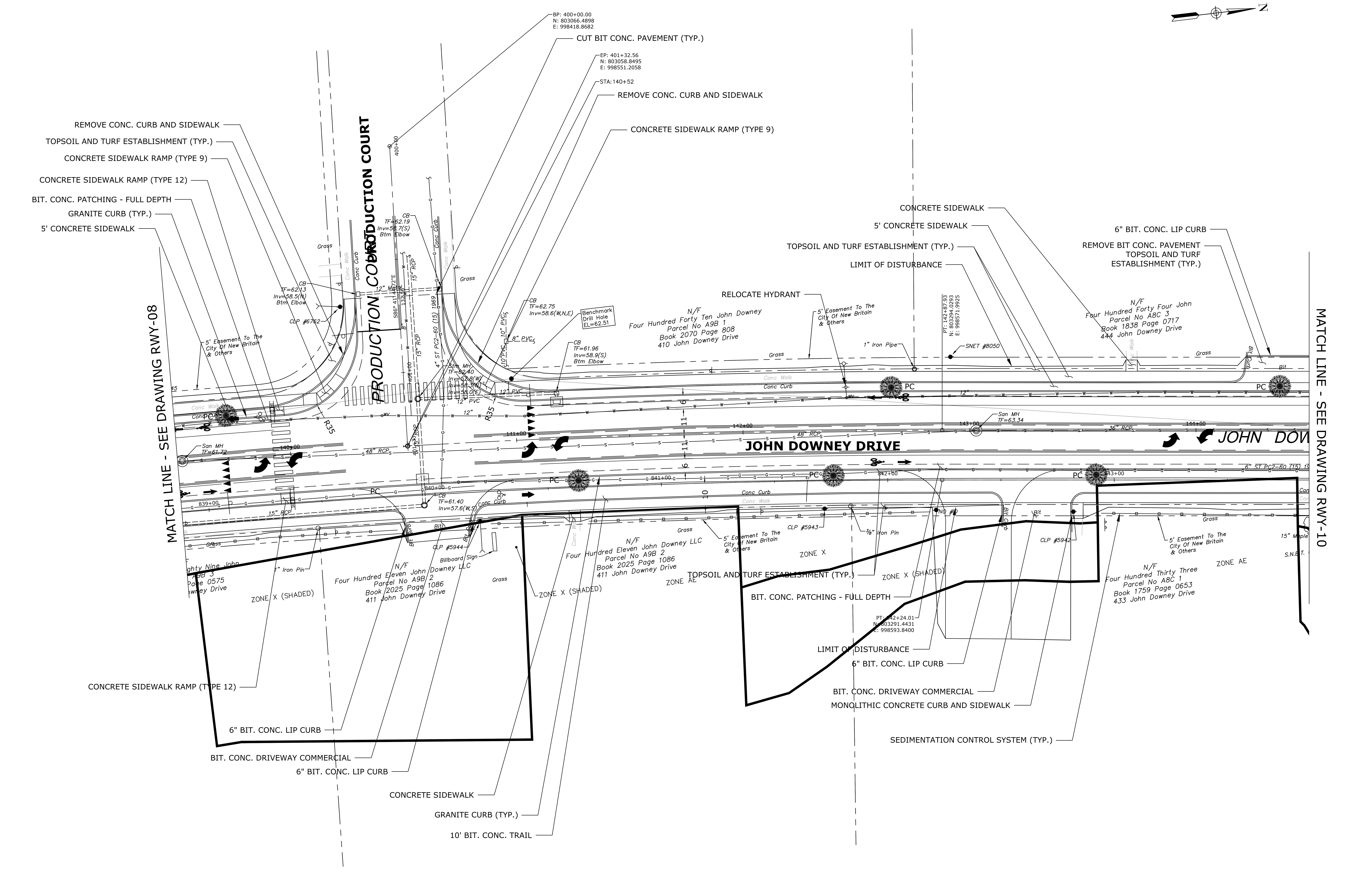
0 20 40

REV.	DATE	REVISION DESCRIPTION

DATE: December 29, 2023

PROJECT NUMBER: L088-0004

DRAWING NUMBER: RWY-08



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27 WEST MAIN STREET
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DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

SEAL OF THE CITY OF NEW BRITAIN, CT. 1871

PROJECT TITLE: JOHN DOWNEY DRIVE CORRIDOR IMPROVEMENTS

DRAWING TITLE: ROADWAY PLAN

FILENAME: PS-88L-004-RWY-01.dwg

DRAWN BY: J OUTLAW

CHECKED BY: R TROTTIER

SCALE: 1" = 20'

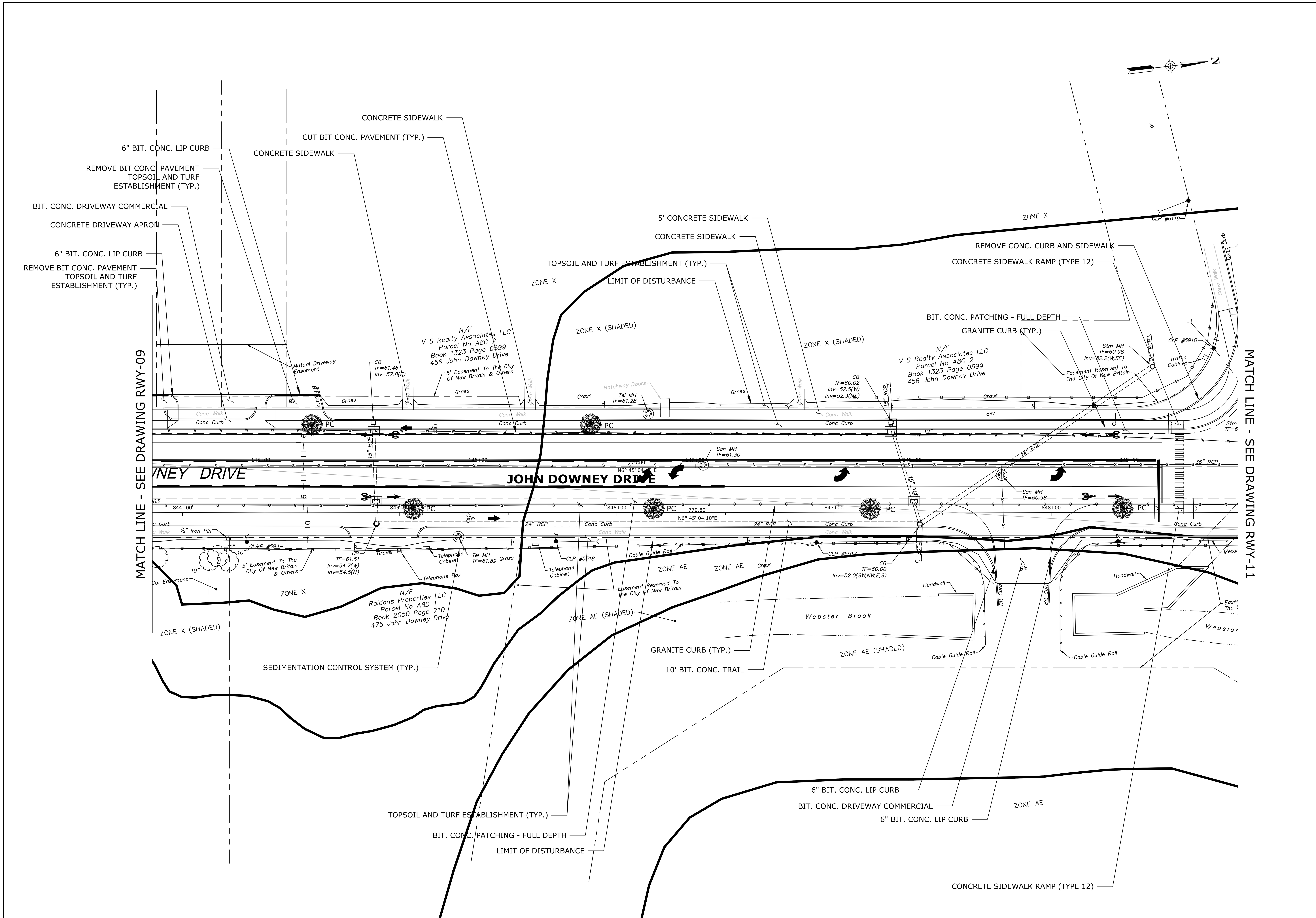
0 20 40

REV.	DATE	REVISION DESCRIPTION

DATE: December 29, 2023

PROJECT NUMBER: L088-0004

DRAWING NUMBER: RWY-09



CITY OF NEW BRITAIN
27 WEST MAIN STREET
NEW BRITAIN, CT 06051
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

SEAL OF THE CITY OF NEW BRITAIN, CT. 1871

PROJECT TITLE: JOHN DOWNEY DRIVE CORRIDOR IMPROVEMENTS

DRAWING TITLE: ROADWAY PLAN

FILENAME: PS-88L-004-RWY-01.dwg

DRAWN BY: J OUTLAW

CHECKED BY: R TROTTIER

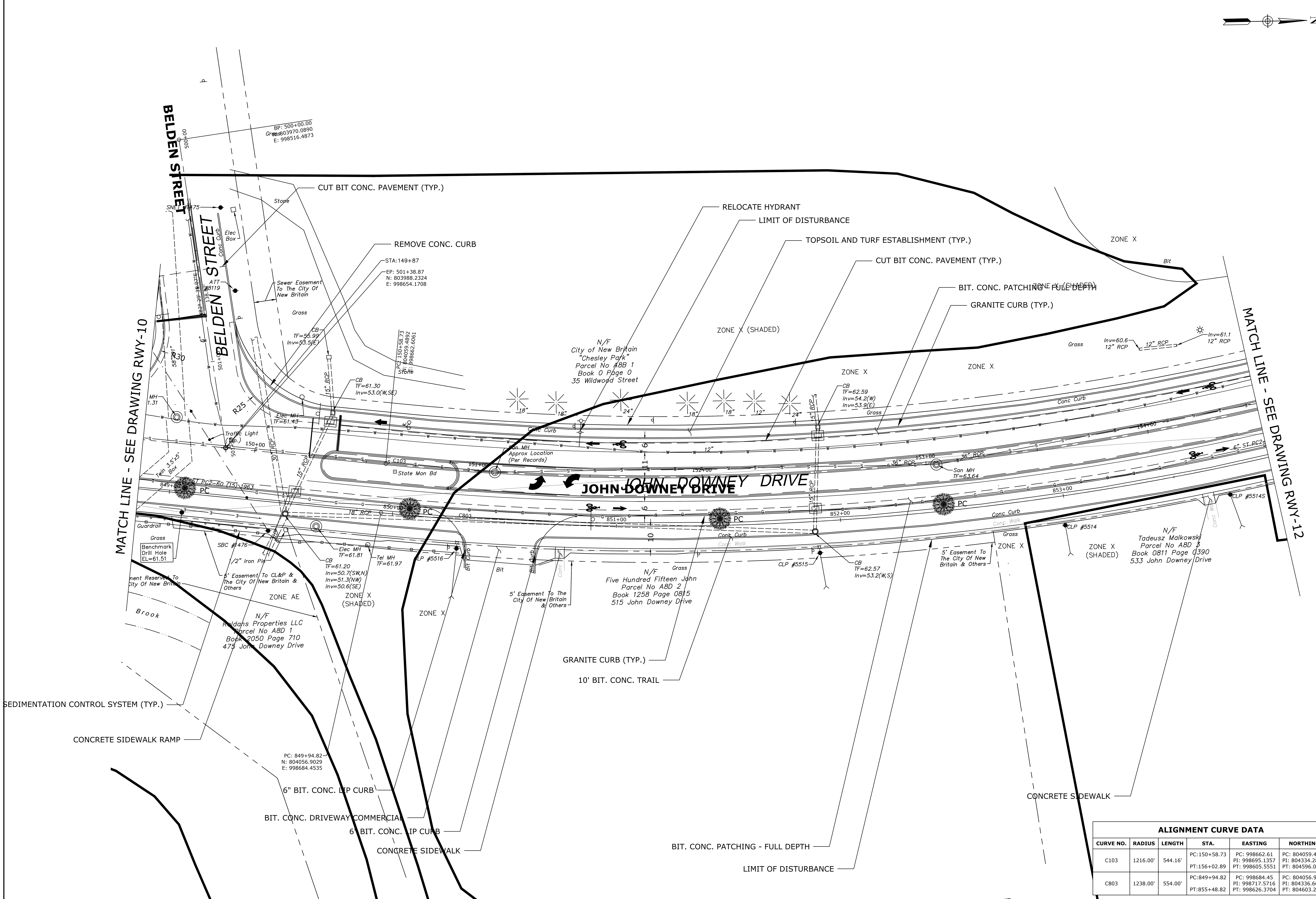
SCALE: 1" = 20' (0, 20, 40)

REV.	DATE	REVISION DESCRIPTION

DATE: December 29, 2023

PROJECT NUMBER: L088-0004

DRAWING NUMBER: RWY-10



ALIGNMENT CURVE DATA					
CURVE NO.	RADIUS	LENGTH	STA.	EASTING	NORTHING
C103	1216.00'	544.16'	PC:150+58.73 PT:156+02.89	PC: 998662.61 PI: 998695.1357 PT: 998605.5551	PC: 804059.4892 PI: 804334.2835 PT: 804596.0953
C803	1238.00'	554.00'	PC:849+94.82 PT:855+48.82	PC: 998684.45 PI: 998717.5716 PT: 998626.3704	PC: 804056.9029 PI: 804336.6689 PT: 804603.2174

CITY OF NEW BRITAIN
27 WEST MAIN STREET
NEW BRITAIN, CT 06051
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

SEAL OF THE CITY OF NEW BRITAIN, CT. 1871

PROJECT TITLE: JOHN DOWNEY DRIVE CORRIDOR IMPROVEMENTS

DRAWING TITLE: ROADWAY PLAN

DRAWN BY: J OUTLAW

CHECKED BY: R TROTTIER

SCALE: 1" = 20'

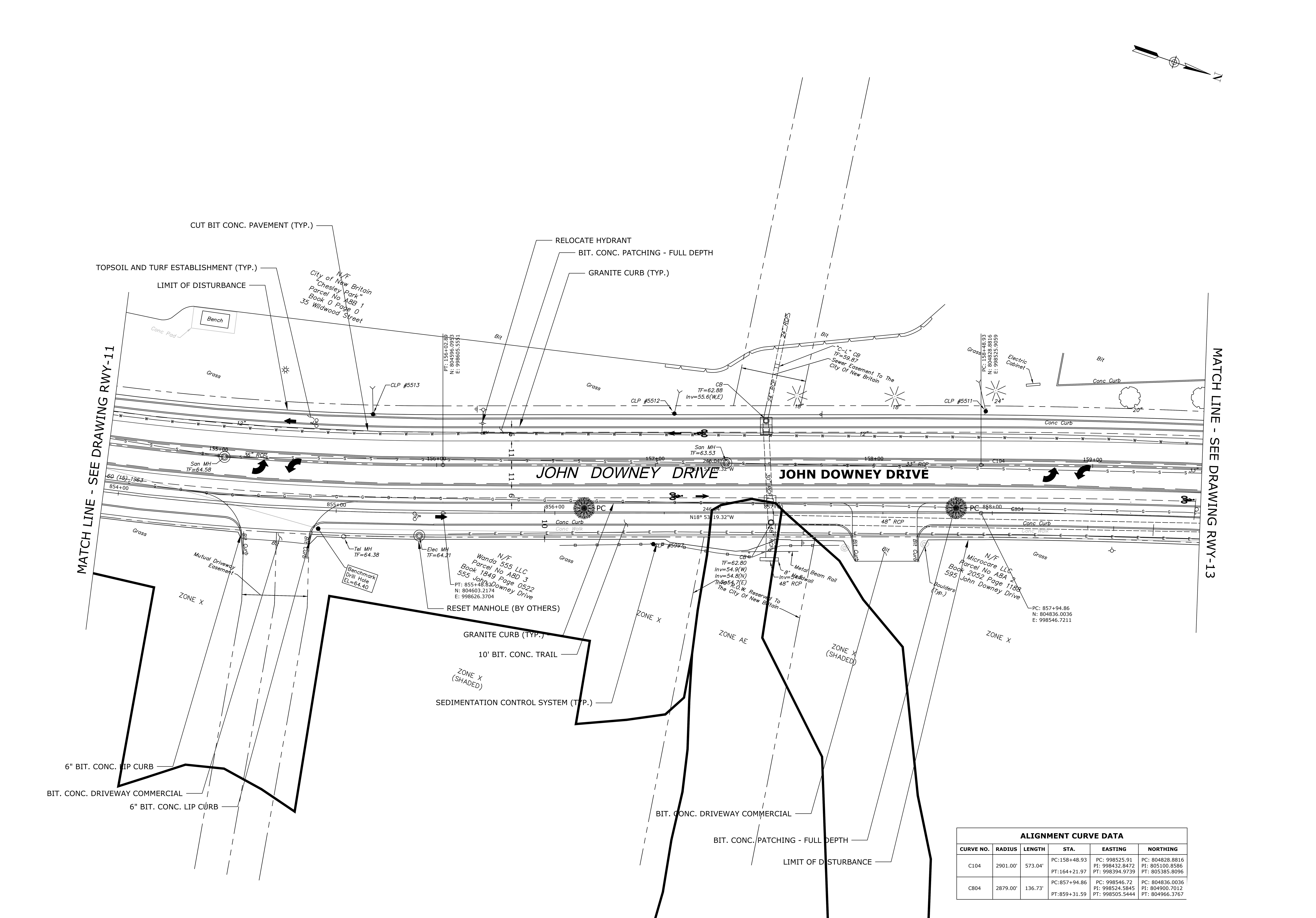
REV. | DATE | REVISION DESCRIPTION

FILENAME: PS-88L-004-RWY-01.dwg

DATE: December 29, 2023

PROJECT NUMBER: L088-0004

DRAWING NUMBER: RWY-11



ALIGNMENT CURVE DATA					
CURVE NO.	RADIUS	LENGTH	STA.	EASTING	NORTHING
C104	2901.00'	573.04'	PC:158+48.93 PT:164+21.97	PC: 998525.91 PI: 998432.8472 PT: 998394.9739	PC: 804828.8816 PI: 805100.8586 PT: 805385.8096
C804	2879.00'	136.73'	PC:857+94.86 PT:859+31.59	PC: 998546.72 PI: 998524.5845 PT: 998505.5444	PC: 804836.0036 PI: 804900.7012 PT: 804966.3767

CITY OF NEW BRITAIN
27 WEST MAIN STREET
NEW BRITAIN, CT 06051
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

SEAL OF THE CITY OF NEW BRITAIN, CT. 1871

PROJECT TITLE: JOHN DOWNEY DRIVE CORRIDOR IMPROVEMENTS

DRAWING TITLE: ROADWAY PLAN

FILENAME: PS-88L-004-RWY-01.dwg

DRAWN BY: J OUTLAW

CHECKED BY: R TROTTIER

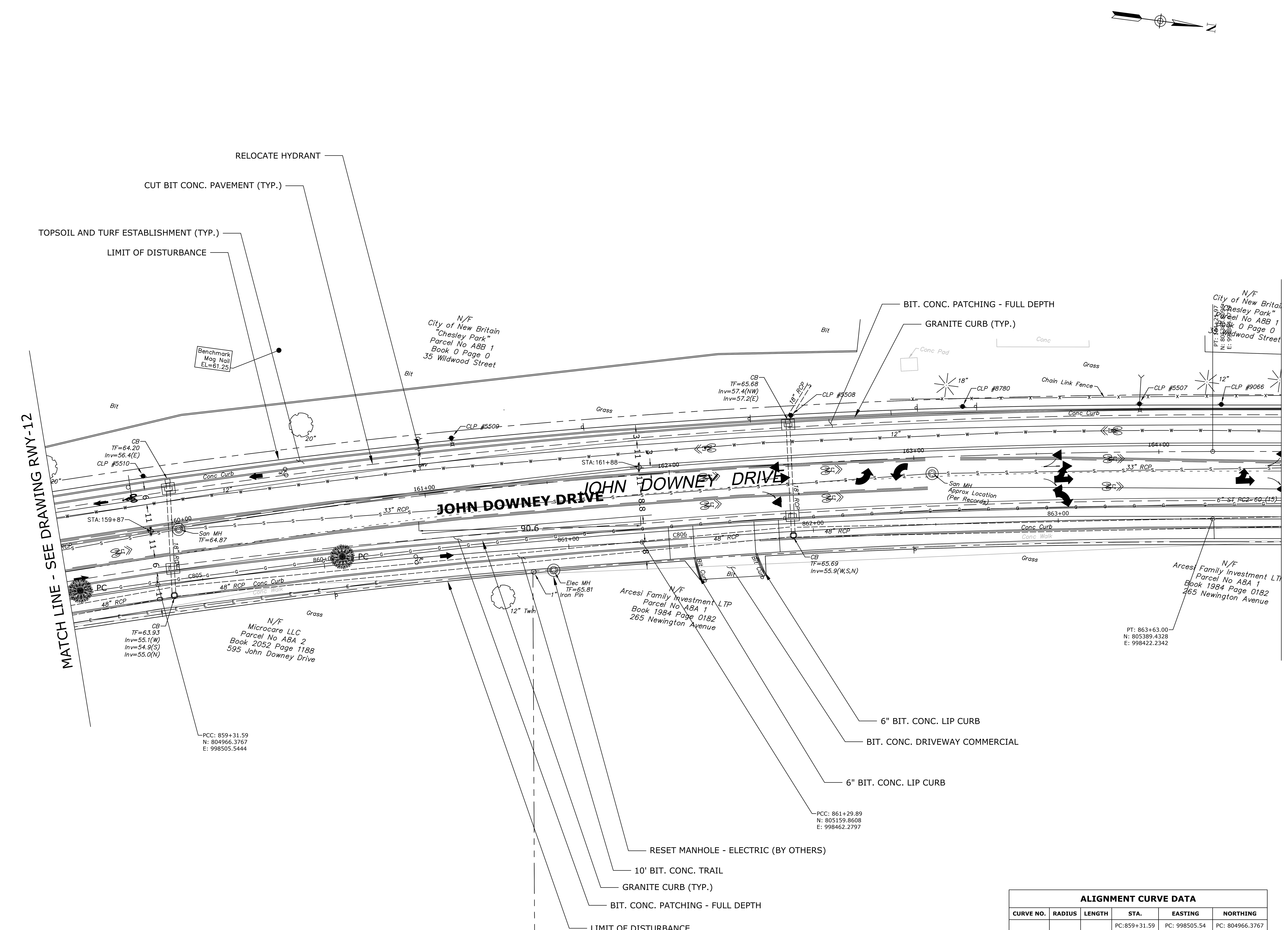
SCALE: 1" = 20'

DATE: December 29, 2023

REV.	DATE	REVISION DESCRIPTION

PROJECT NUMBER: L088-0004

DRAWING NUMBER: RWY-12



ALIGNMENT CURVE DATA					
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C805	2875.15'	198.30'	PC:859+31.59 PT:861+29.89	PC: 998505.54 PI: 998480.5745 PT: 998462.2797	PC: 804966.3767 PI: 805062.3725 PT: 805159.8608
C806	2873.50'	233.10'	PC:861+29.89 PT:863+63.00	PC: 998462.28 PI: 998437.5986 PT: 998422.2342	PC: 805159.8608 PI: 805273.8342 PT: 805389.4328

CITY OF NEW BRITAIN
27 WEST MAIN STREET
NEW BRITAIN, CT 06051
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

SEAL OF THE CITY OF NEW BRITAIN, CT. 1871

PROJECT TITLE: JOHN DOWNEY DRIVE CORRIDOR IMPROVEMENTS

DRAWING TITLE: ROADWAY PLAN

FILENAME: PS-88L-004-RWY-01.dwg

DRAWN BY: J OUTLAW

CHECKED BY: R TROTTIER

1" = 20'

0 20 40

SCALE

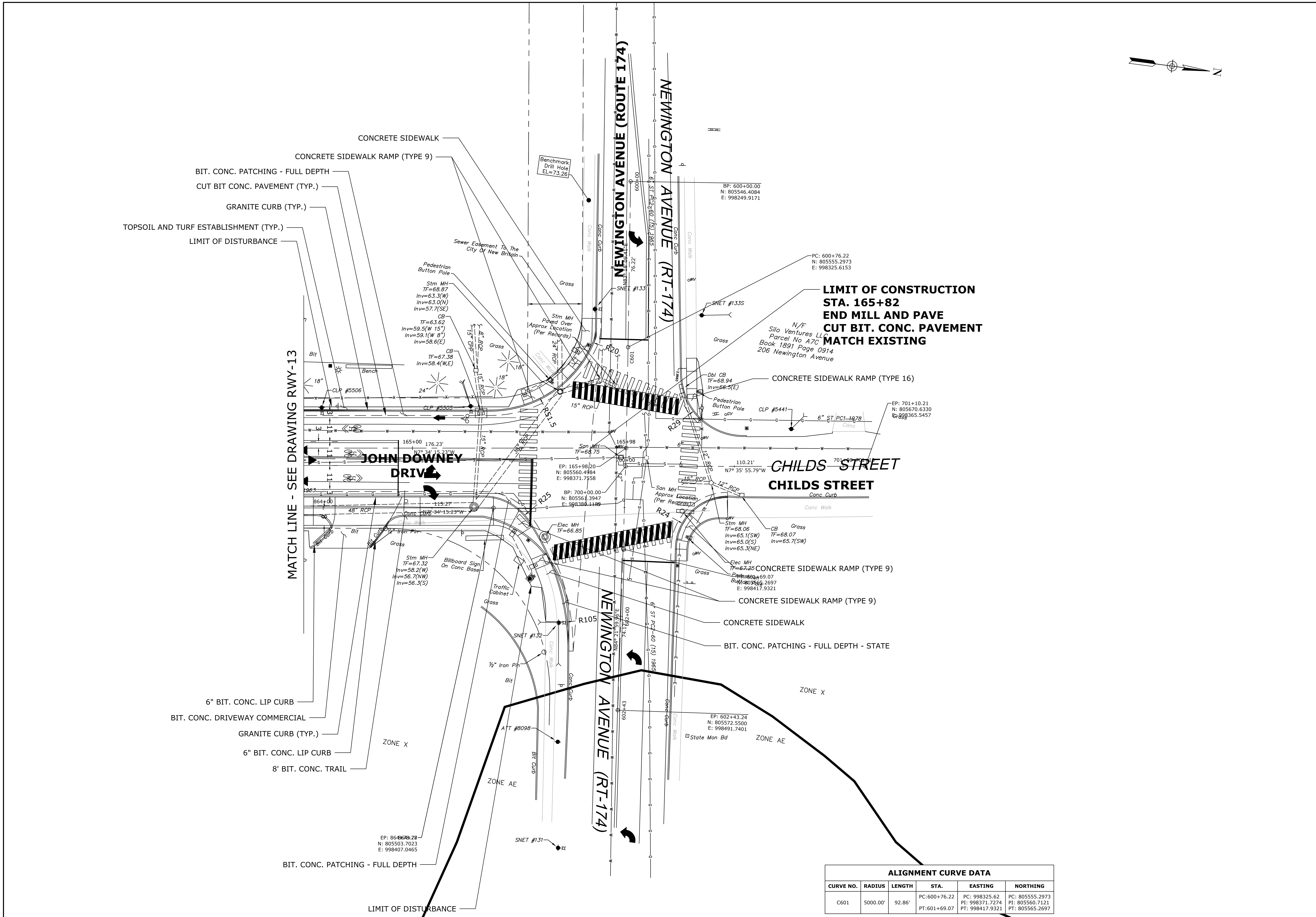
REVISION DESCRIPTION

REV. DATE

DATE: December 29, 2023

PROJECT NUMBER: L088-0004

DRAWING NUMBER: RWY-13



ALIGNMENT CURVE DATA

CURVE NO.	RADIUS	LENGTH	STA.	EASTING	NORTHING
C601	5000.00'	92.86'	PC:600+76.22 PT:601+69.07	PC: 998325.62 PI: 998371.7274 PT: 998417.9321	PC: 805555.2973 PI: 805560.7121 PT: 805565.2697

CITY OF NEW BRITAIN
27 WEST MAIN STREET
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DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

SEAL OF THE CITY OF NEW BRITAIN, CT. 1871

PROJECT TITLE: JOHN DOWNEY DRIVE CORRIDOR IMPROVEMENTS

DRAWING TITLE: ROADWAY PLAN

FILENAME: PS-88L-004-RWY-01.dwg

DRAWN BY: J OUTLAW

CHECKED BY: R TROTTIER

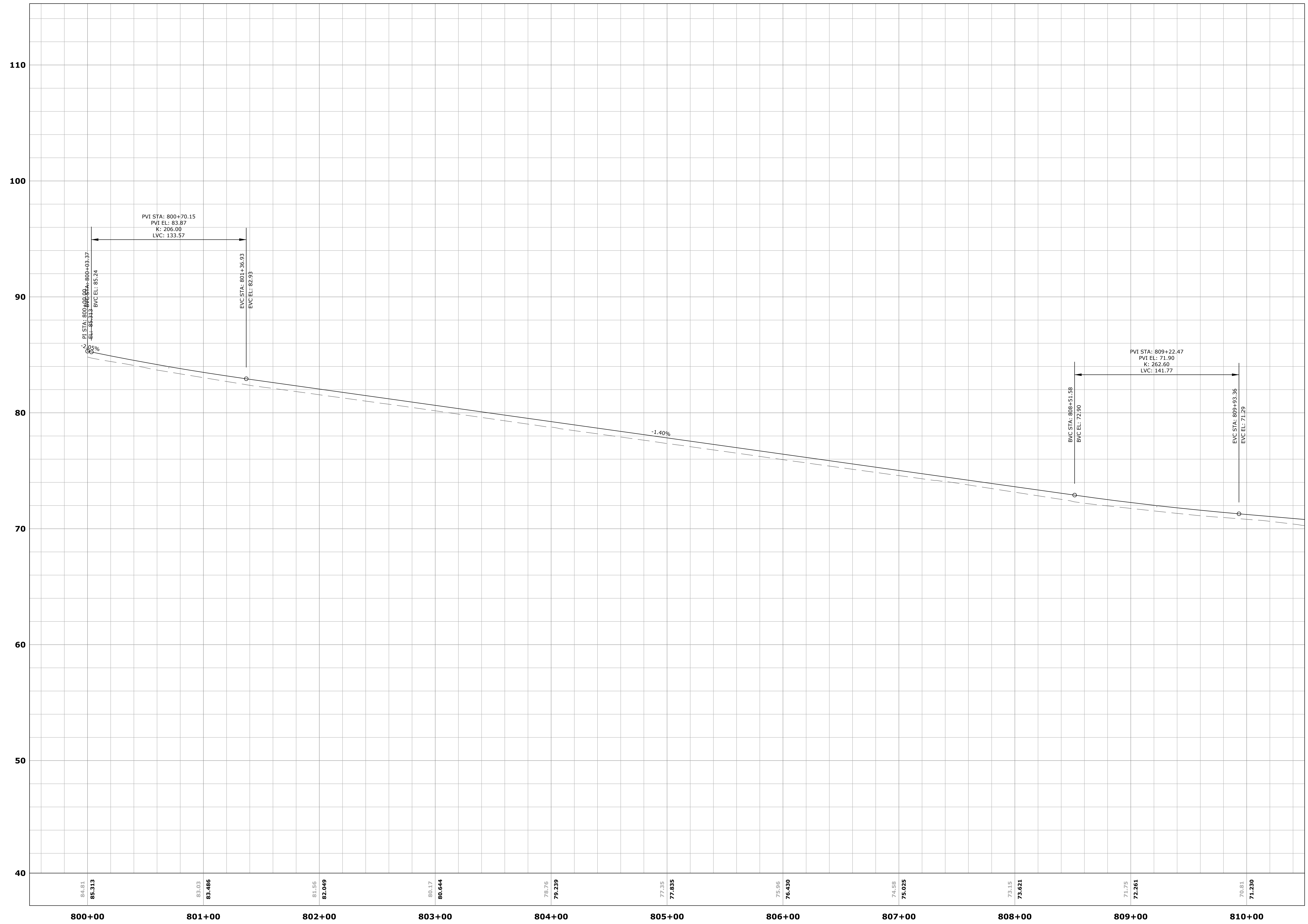
SCALE: 1" = 20' (0, 20, 40)

REV. | DATE | REVISION DESCRIPTION

DATE: December 29, 2023

PROJECT NUMBER: L088-0004

DRAWING NUMBER: RWY-14



CITY OF NEW BRITAIN
27 WEST MAIN STREET
NEW BRITAIN, CT 06051
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

PROJECT TITLE
JOHN DOWNEY DRIVE
CORRIDOR IMPROVEMENTS

DRAWING TITLE
MULTI-USE TRAIL PROFILE

DRAWN BY
J OUTLAW

CHECKED BY
R TROTTIER

HORIZ: 1" = 40' (0 – 80)
VERT: 1" = 4' (0 – 8)
SCALE

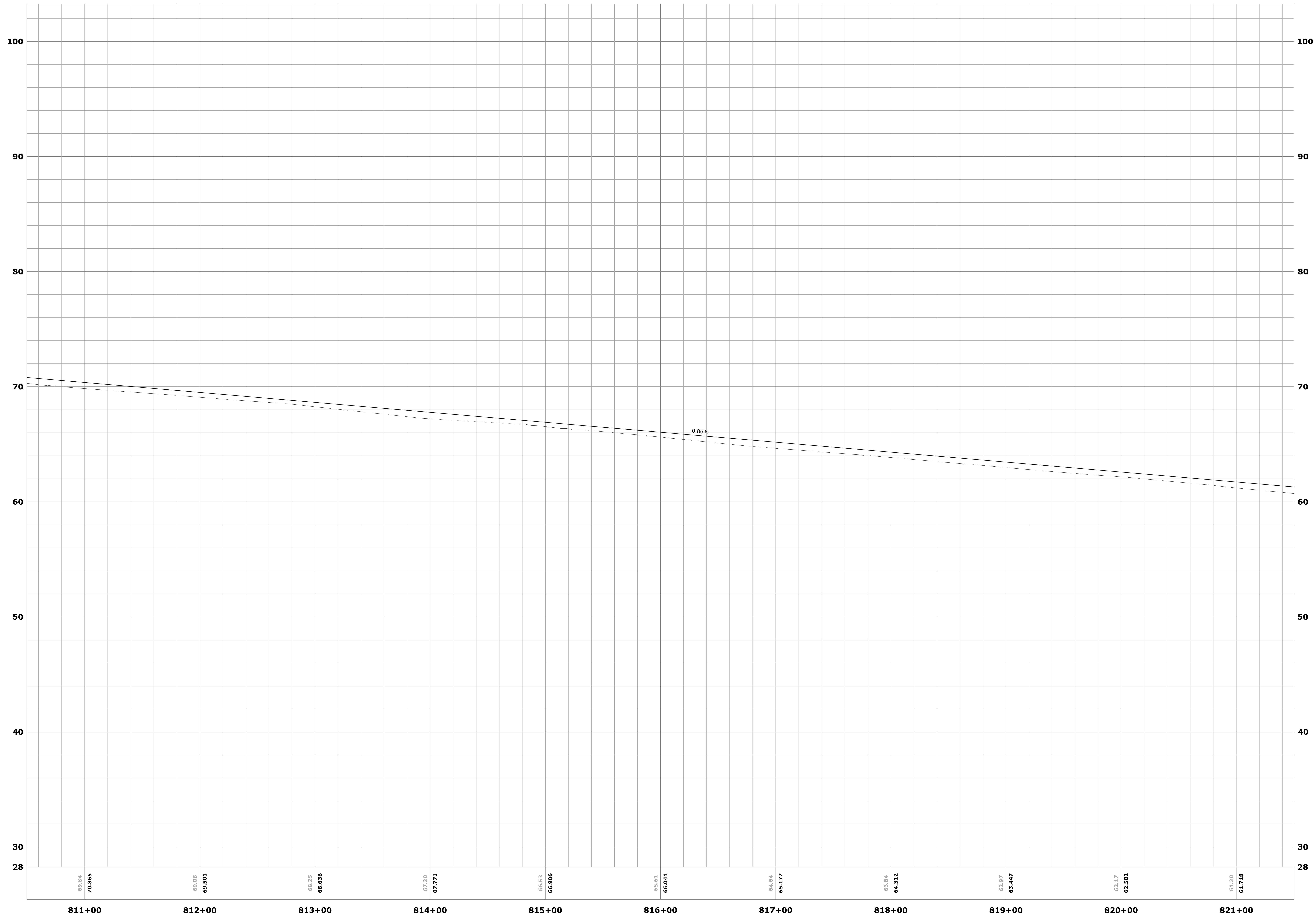
REV.	DATE	REVISION DESCRIPTION

PROJECT NUMBER
L088-0004

DRAWING NUMBER
PRO-01

FILENAME: PS-88L-004-PRO-01.dwg

DATE: December 29, 2023



CITY OF NEW BRITAIN
27 WEST MAIN STREET
NEW BRITAIN, CT 06051
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

SEAL OF THE CITY OF NEW BRITAIN, CT. 1871

PROJECT TITLE
JOHN DOWNEY DRIVE
CORRIDOR IMPROVEMENTS

DRAWING TITLE
MULTI-USE TRAIL PROFILE

DRAWN BY
J OUTLAW

CHECKED BY
R TROTTIER

0 HORIZ: 1" = 40' 80
0 VERT: 1" = 4' 8
SCALE

REVISION DESCRIPTION

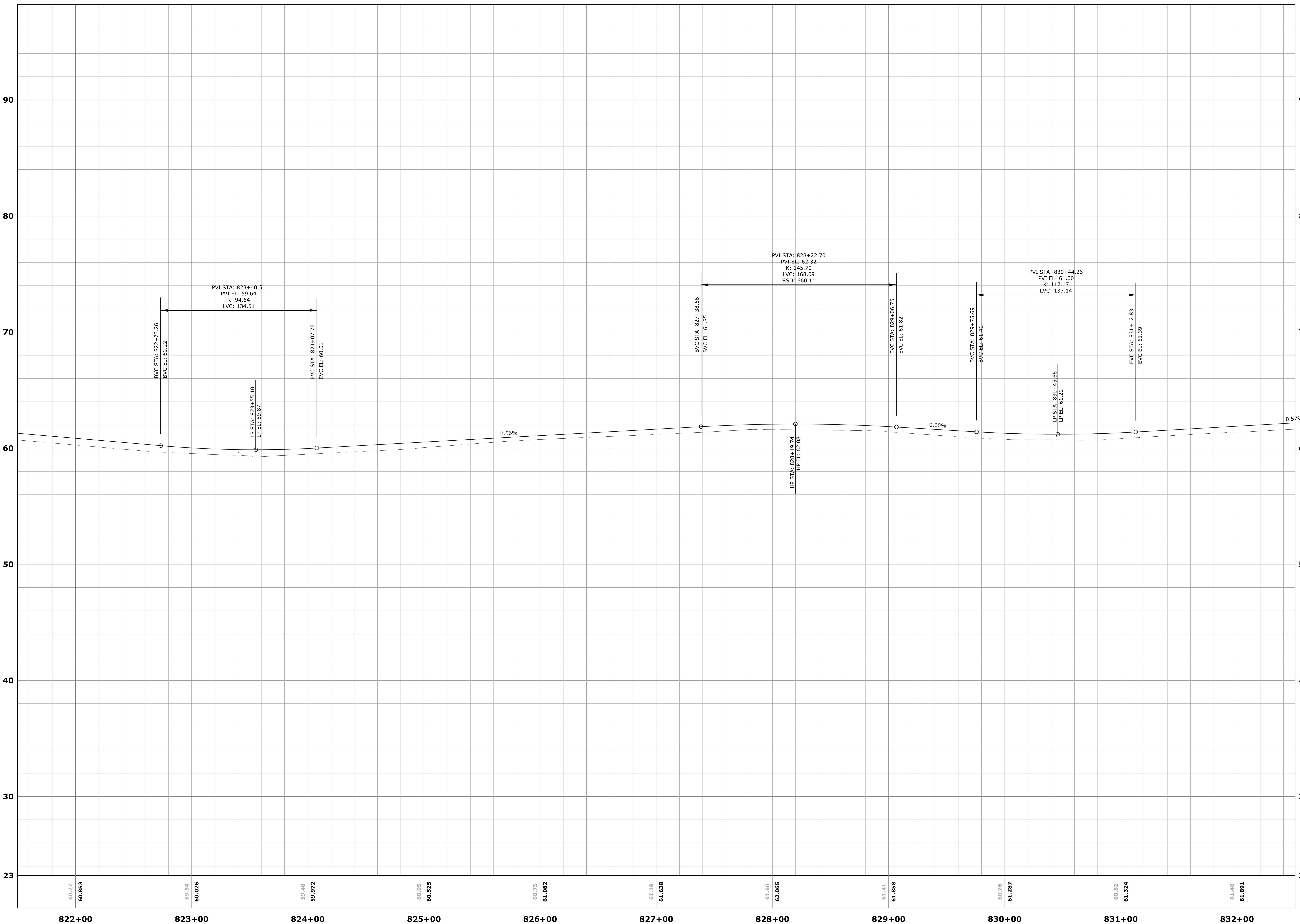
REV. DATE

FILENAME: PS-88L-004-PRO-01.dwg

DATE: December 29, 2023

PROJECT NUMBER
L088-0004

DRAWING NUMBER
PRO-02



FILENAME: PS-88L-004-PRO-01.dwg

DATE: December 29, 2023

CITY OF NEW BRITAIN
27 WEST MAIN STREET
NEW BRITAIN, CT 06051
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

SEAL OF THE CITY OF NEW BRITAIN, CT. 1871

PROJECT TITLE
JOHN DOWNEY DRIVE
CORRIDOR IMPROVEMENTS

DRAWING TITLE
MULTI-USE TRAIL PROFILE

DRAWN BY
J OUTLAW

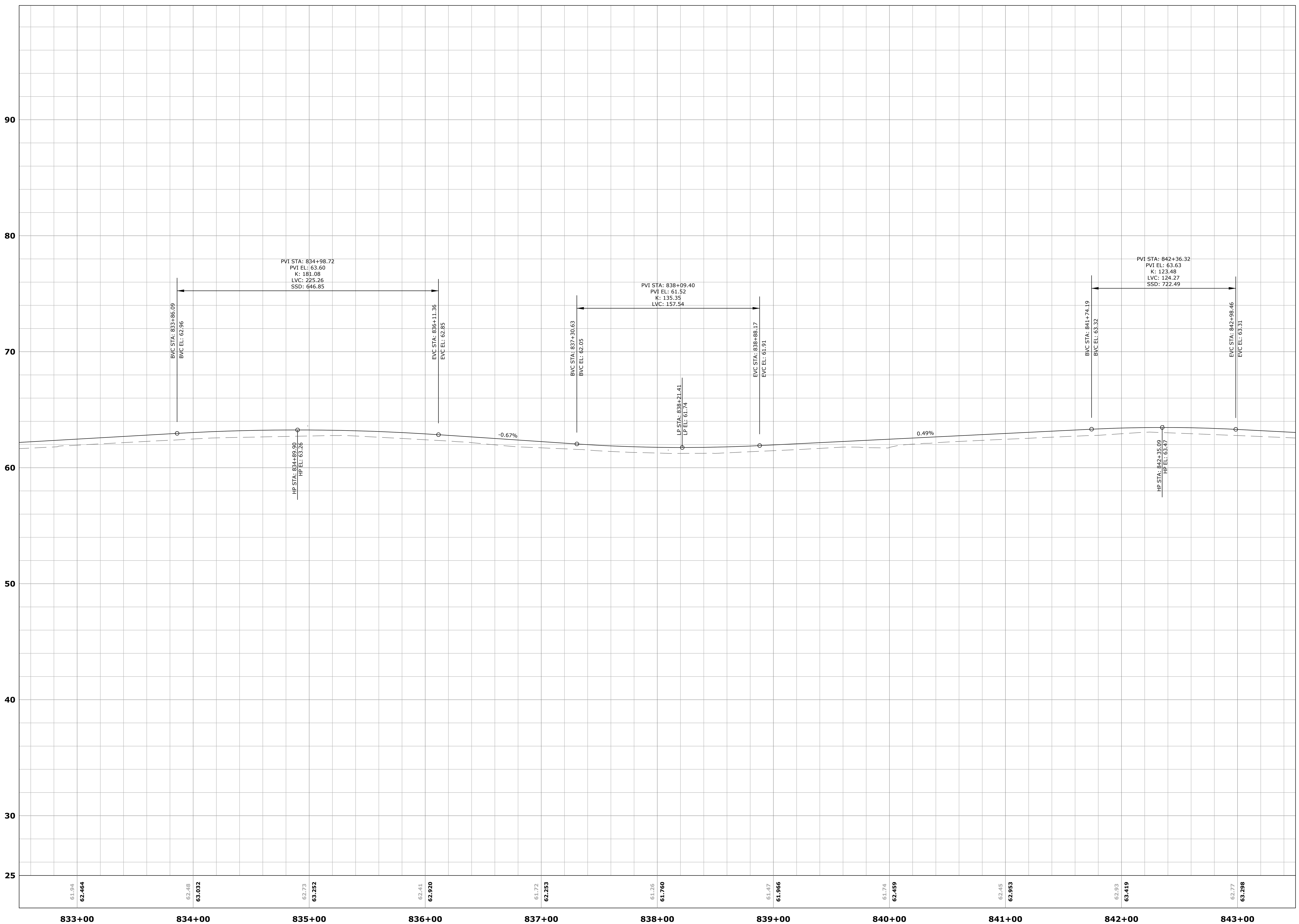
CHECKED BY
R TROTTIER

HORIZ: 1" = 40' 0 80
VERT: 1" = 4' 0 8
SCALE

REV.	DATE	REVISION DESCRIPTION

PROJECT NUMBER
L088-0004

DRAWING NUMBER
PRO-03



FILENAME: PS-88L-004-PRO-01.dwg

DATE: December 29, 2023

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27 WEST MAIN STREET
NEW BRITAIN, CT 06051
DEPARTMENT OF PUBLIC WORKS
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PROJECT TITLE
JOHN DOWNEY DRIVE
CORRIDOR IMPROVEMENTS

DRAWING TITLE
MULTI-USE TRAIL PROFILE

DRAWN BY
J OUTLAW

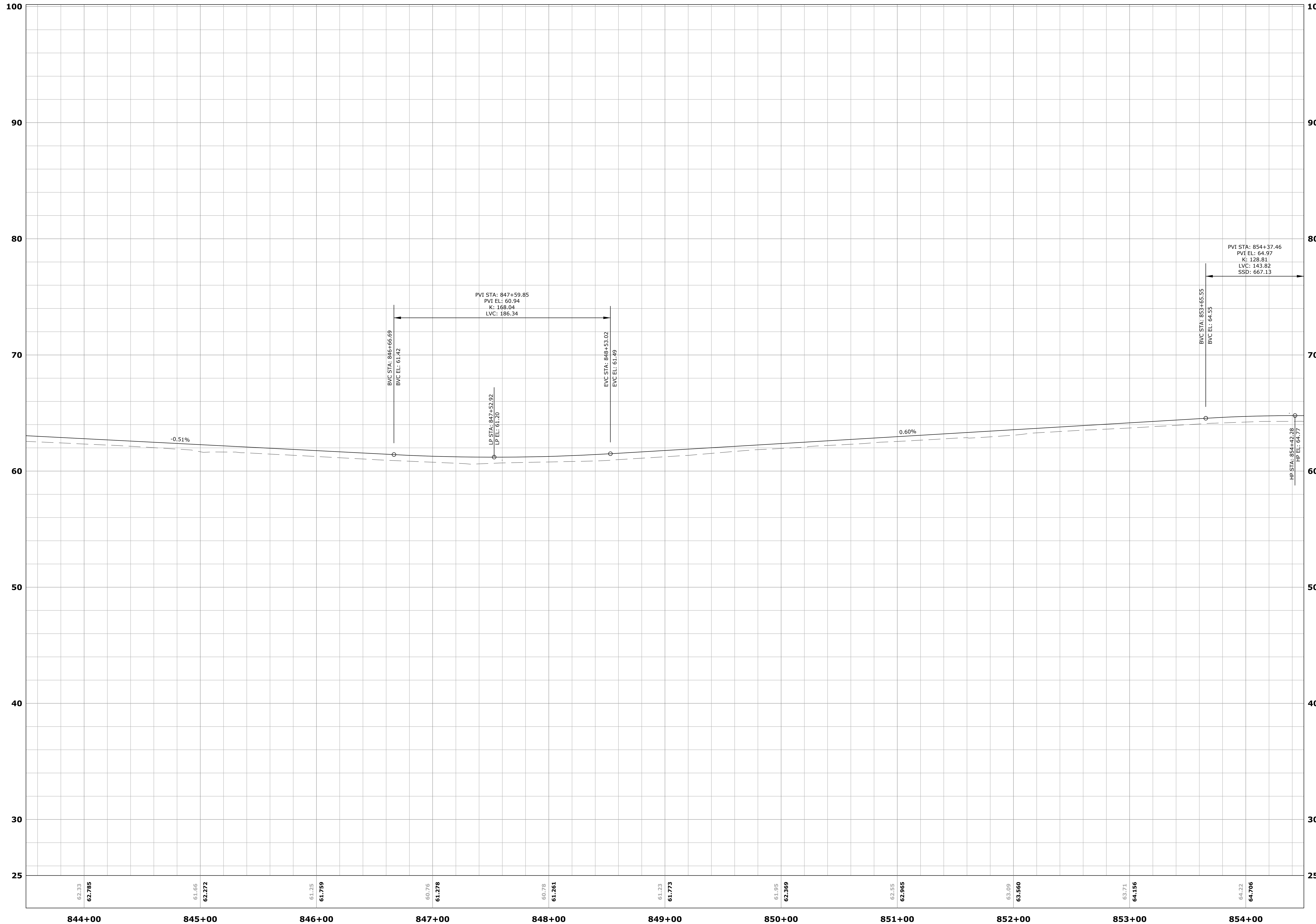
CHECKED BY
R TROTTIER

HORIZ: 1" = 40'
0 80
VERT: 1" = 4'
0 8
SCALE

REV.	DATE	REVISION DESCRIPTION

PROJECT NUMBER
L088-0004

DRAWING NUMBER
PRO-04



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27 WEST MAIN STREET
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DEPARTMENT OF PUBLIC WORKS
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SEAL OF THE CITY OF NEW BRITAIN, CT. 1871

PROJECT TITLE
JOHN DOWNEY DRIVE
CORRIDOR IMPROVEMENTS

DRAWING TITLE
MULTI-USE TRAIL PROFILE

FILENAME: PS-88L-004-PRO-01.dwg

DRAWN BY
J OUTLAW

CHECKED BY
R TROTTIER

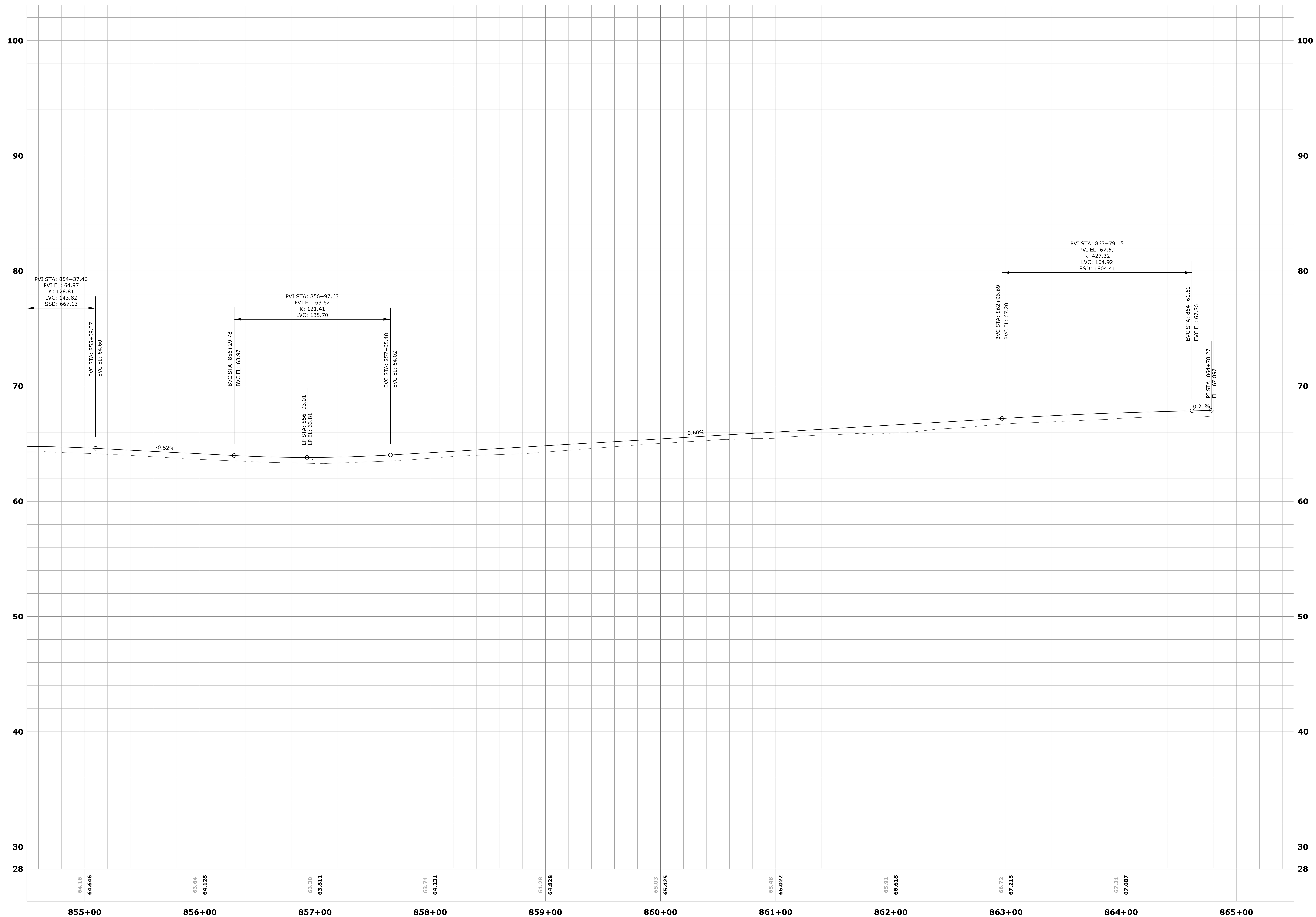
HORIZ: 1" = 40' (0 – 80)
VERT: 1" = 4' (0 – 8)
SCALE

REV.	DATE	REVISION DESCRIPTION

DATE: December 29, 2023

PROJECT NUMBER
L088-0004

DRAWING NUMBER
PRO-05



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PROJECT TITLE
JOHN DOWNEY DRIVE
CORRIDOR IMPROVEMENTS

DRAWING TITLE
MULTI-USE TRAIL PROFILE

FILENAME: PS-88L-004-PRO-01.dwg

DRAWN BY
J OUTLAW

CHECKED BY
R TROTTIER

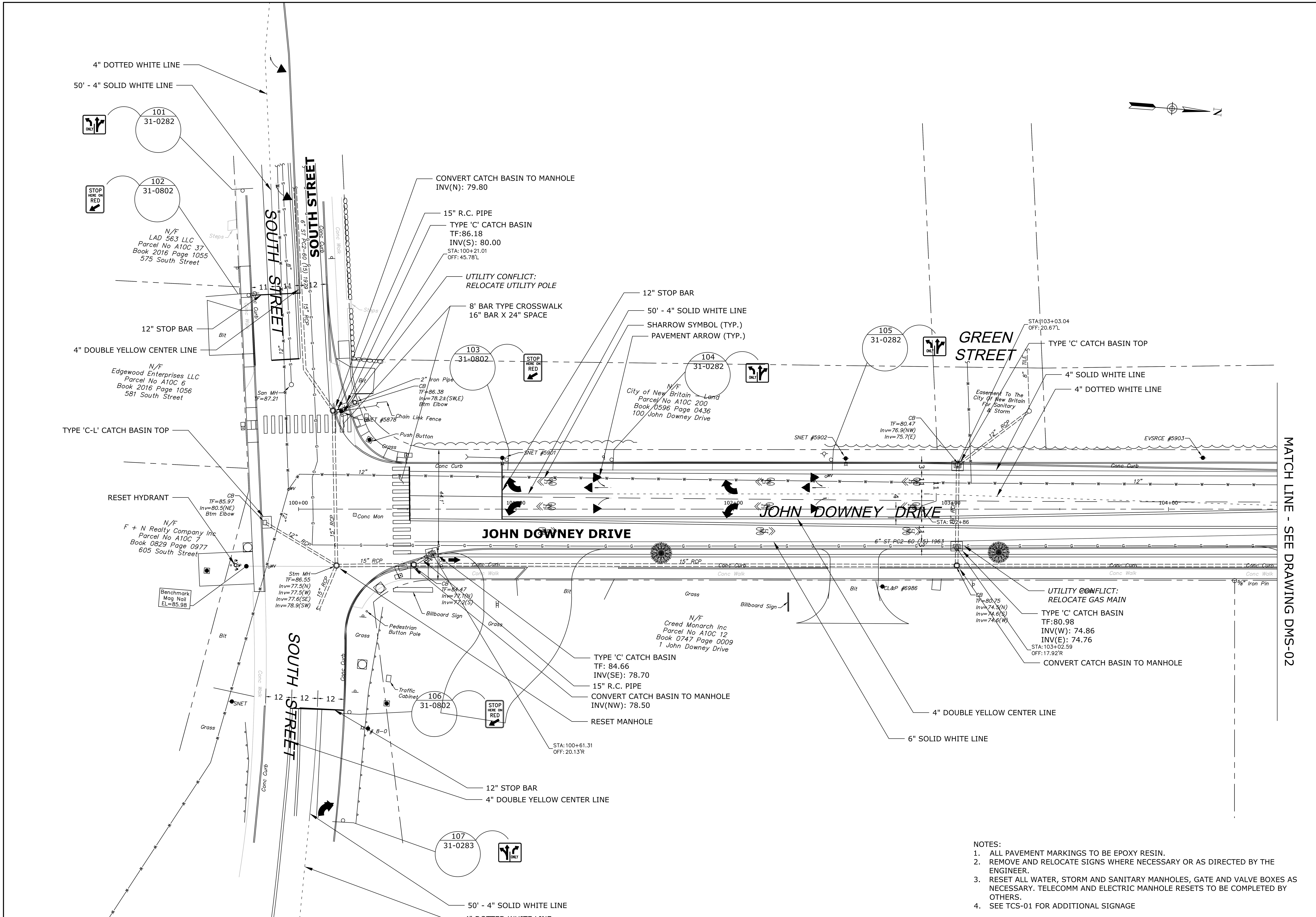
HORIZ: 1" = 40' (0 – 80)
VERT: 1" = 4' (0 – 8)
SCALE

REV.	DATE	REVISION DESCRIPTION

DATE: December 29, 2023

PROJECT NUMBER
L088-0004

DRAWING NUMBER
PRO-06



NOTES:
1. ALL PAVEMENT MARKINGS TO BE EPOXY RESIN.
2. REMOVE AND RELOCATE SIGNS WHERE NECESSARY OR AS DIRECTED BY THE ENGINEER.
3. RESET ALL WATER, STORM AND SANITARY MANHOLES, GATE AND VALVE BOXES AS NECESSARY. TELECOMM AND ELECTRIC MANHOLE RESETS TO BE COMPLETED BY OTHERS.
4. SEE TCS-01 FOR ADDITIONAL SIGNAGE

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PROJECT TITLE: JOHN DOWNEY DRIVE CORRIDOR IMPROVEMENTS

DRAWING TITLE: GRAINAGE, PAVE MARKINGS & SIGNING PLAN

FILENAME: PS-88L-004-DMS-01.dwg

DRAWN BY: J OUTLAW

CHECKED BY: R TROTTIER

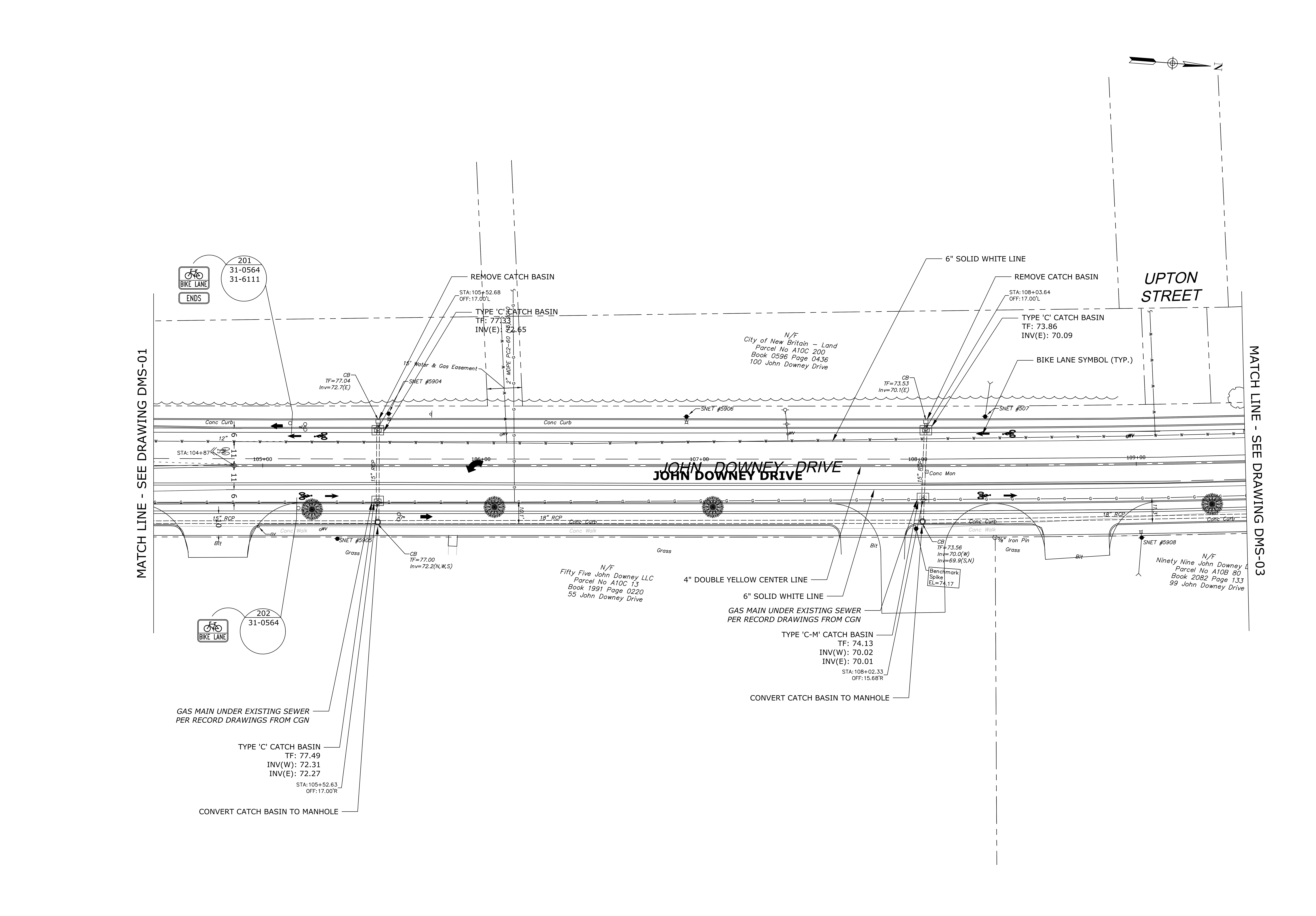
SCALE: 1" = 20' (0 20 40)

REV.	DATE	REVISION DESCRIPTION

DATE: December 29, 2023

PROJECT NUMBER: L088-0004

DRAWING NUMBER: DMS-01



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DIVISION OF ENGINEERING

SEAL OF THE CITY OF NEW BRITAIN, CT. 1871

PROJECT TITLE
JOHN DOWNEY DRIVE
CORRIDOR IMPROVEMENTS

DRAWING TITLE
GRAINAGE, PAVE MARKINGS & SIGNING PLAN

FILENAME: PS-88L-004-DMS-01.dwg

DRAWN BY J OUTLAW
CHECKED BY R TROTTIER

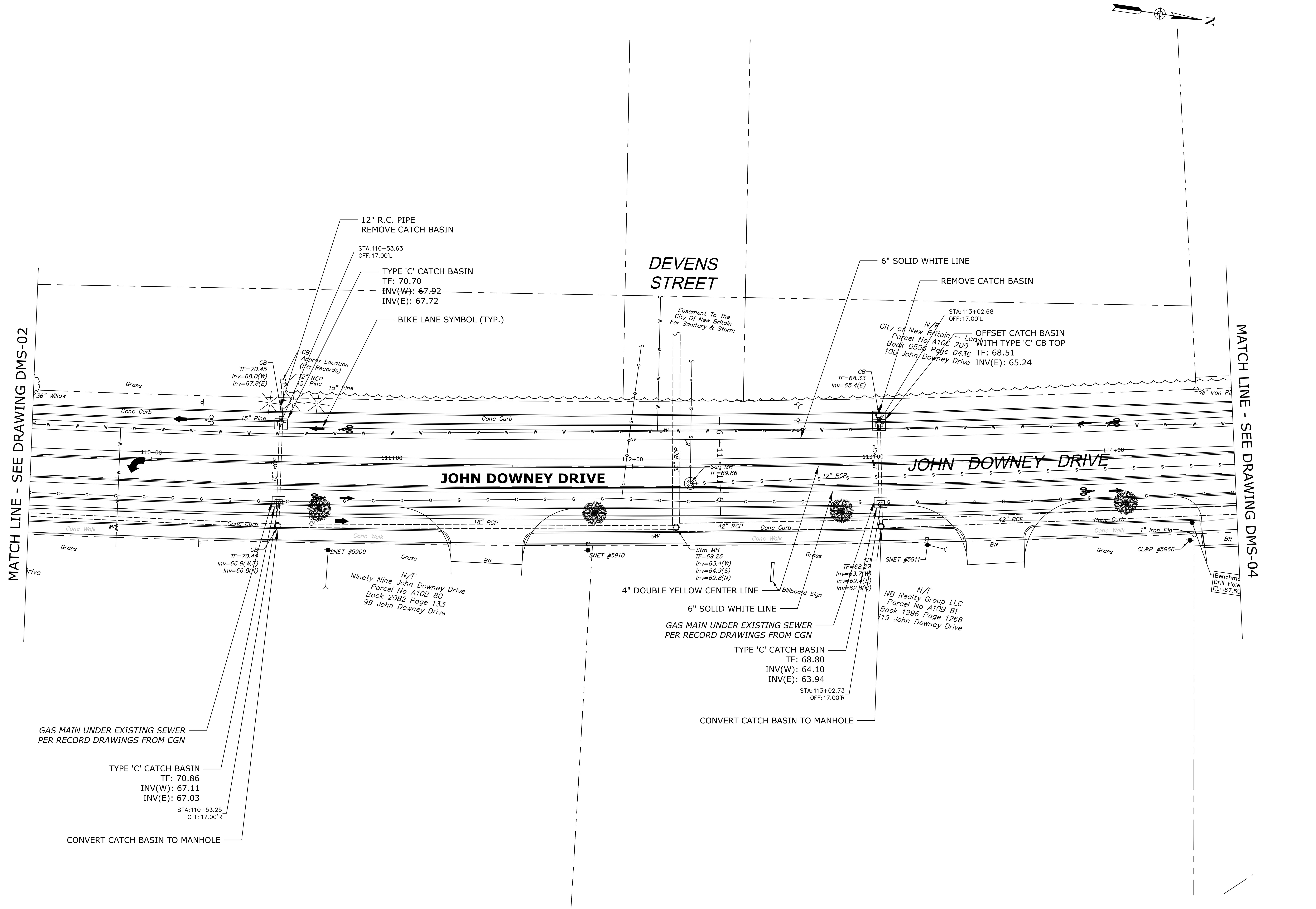
1" = 20'
0 20 40
SCALE

REV.	DATE	REVISION DESCRIPTION

DATE: December 29, 2023

PROJECT NUMBER
L088-0004

DRAWING NUMBER
DMS-02



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PROJECT TITLE
JOHN DOWNEY DRIVE
CORRIDOR IMPROVEMENTS

DRAWING TITLE
GRAINAGE, PAVE MARKINGS & SIGNING PLAN

FILENAME: PS-88L-004-DMS-01.dwg

DRAWN BY J OUTLAW
CHECKED BY R TROTTIER

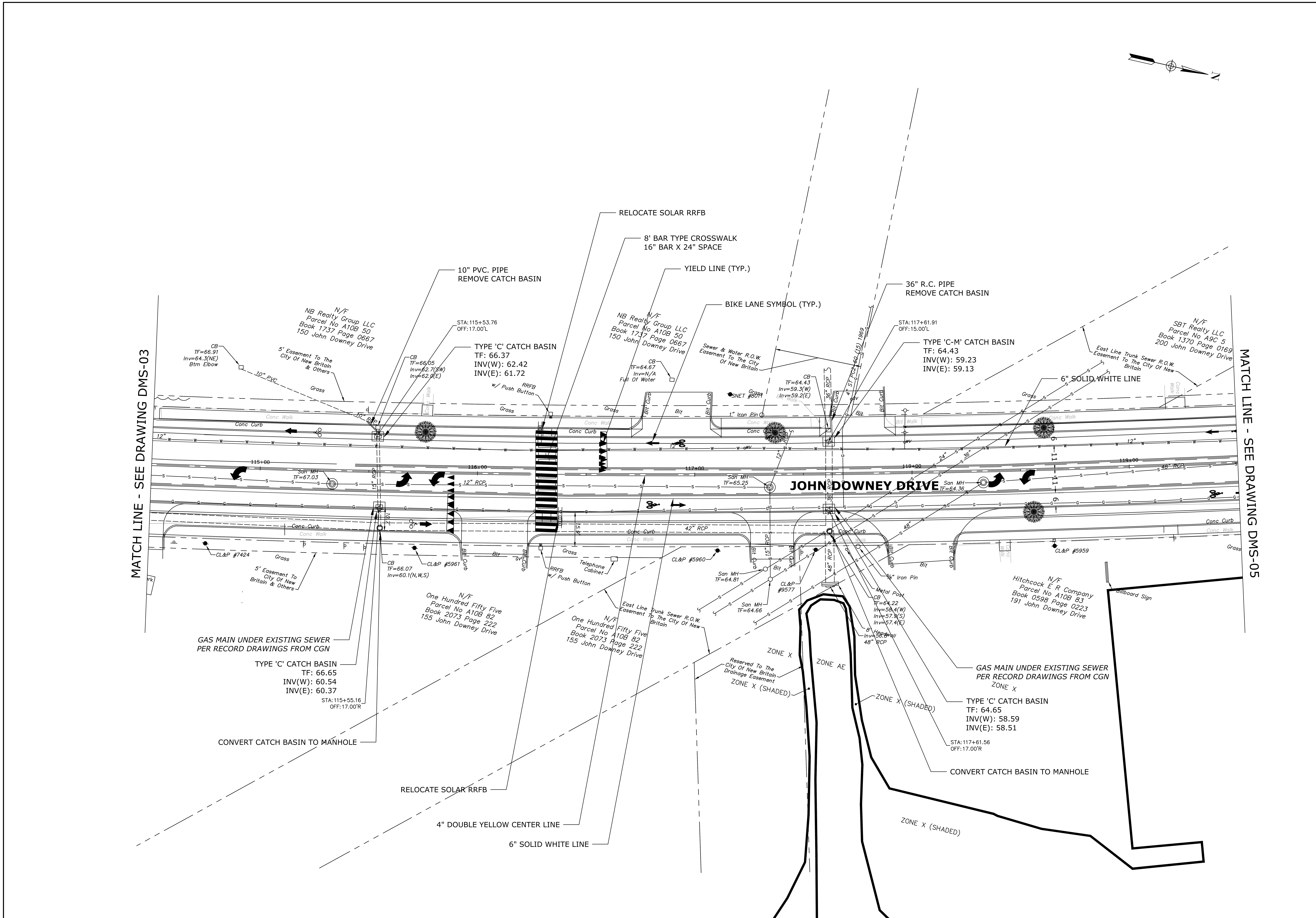
1" = 20'
0 20 40
SCALE

REV. | DATE | REVISION DESCRIPTION

DATE: December 29, 2023

PROJECT NUMBER
L088-0004

DRAWING NUMBER
DMS-03



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PROJECT TITLE
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CORRIDOR IMPROVEMENTS

DRAWING TITLE
GRAINAGE, PAVE MARKINGS & SIGNING PLAN

FILENAME: PS-88L-004-DMS-01.dwg

DRAWN BY J OUTLAW
CHECKED BY R TROTTIER

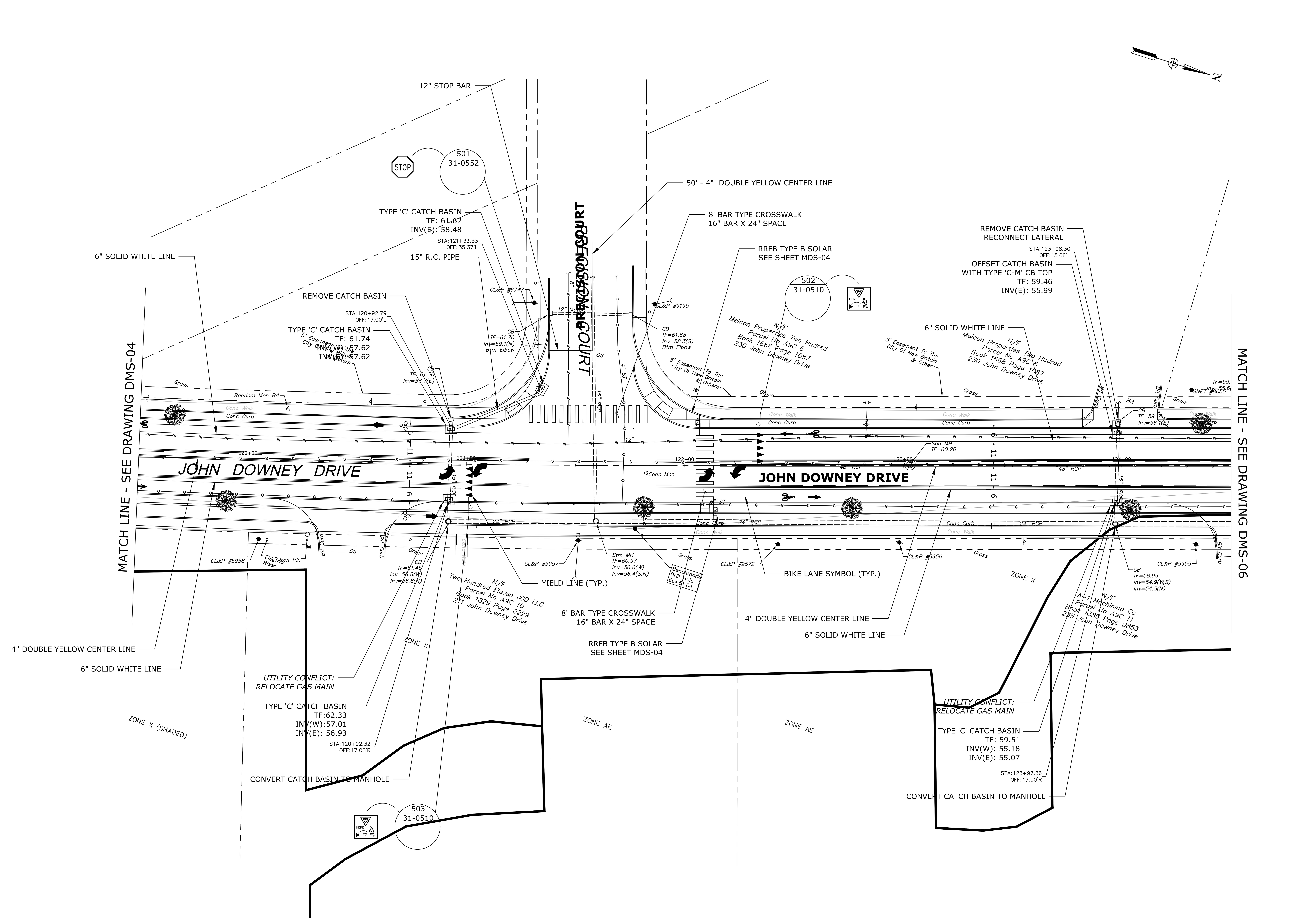
SCALE 1" = 20'
0 20 40

REV.	DATE	REVISION DESCRIPTION

DATE: December 29, 2023

PROJECT NUMBER
L088-0004

DRAWING NUMBER
DMS-04



CITY OF NEW BRITAIN
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DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

PROJECT TITLE: JOHN DOWNEY DRIVE CORRIDOR IMPROVEMENTS

DRAWING TITLE: GRAINAGE, PAVE MARKINGS & SIGNING PLAN

FILENAME: PS-88L-004-DMS-01.dwg

DRAWN BY: J OUTLAW

CHECKED BY: R TROTTIER

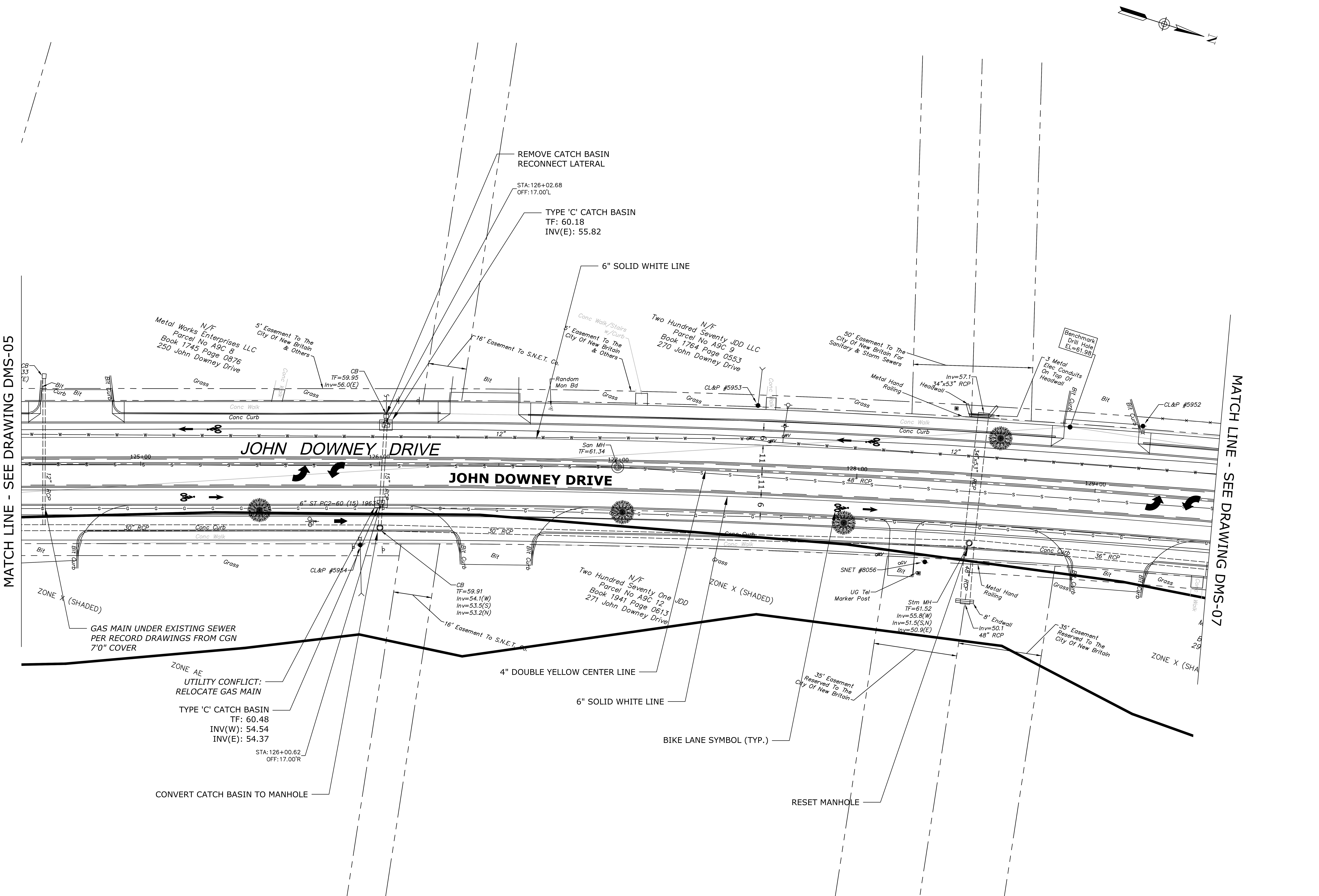
SCALE: 1" = 20'

REV.	DATE	REVISION DESCRIPTION

DATE: December 29, 2023

PROJECT NUMBER: L088-0004

DRAWING NUMBER: DMS-05



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DIVISION OF ENGINEERING

PROJECT TITLE
JOHN DOWNEY DRIVE
CORRIDOR IMPROVEMENTS

DRAWING TITLE
GRAINAGE, PAVE MARKINGS & SIGNING PLAN

DRAWN BY	J OUTLAW
CHECKED BY	R TROTTIER
SCALE	1" = 20'

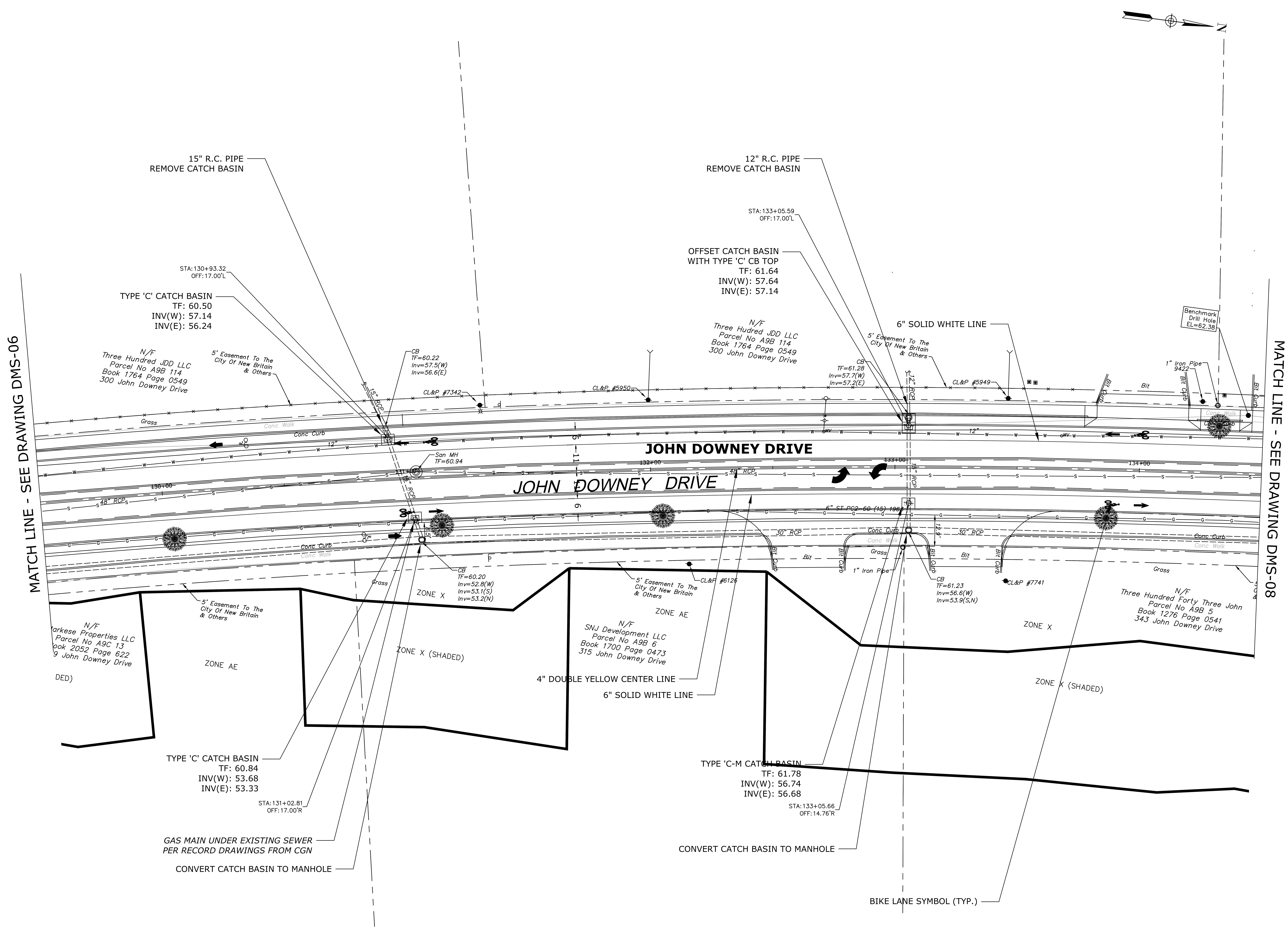
FILENAME: PS-88L-004-DMS-01.dwg

DATE: December 29, 2023

REV.	DATE	REVISION DESCRIPTION

PROJECT NUMBER
L088-0004

DRAWING NUMBER
DMS-06



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PROJECT TITLE
JOHN DOWNEY DRIVE
CORRIDOR IMPROVEMENTS

DRAWING TITLE
GRAINAGE, PAVE MARKINGS & SIGNING PLAN

FILENAME: PS-88L-004-DMS-01.dwg

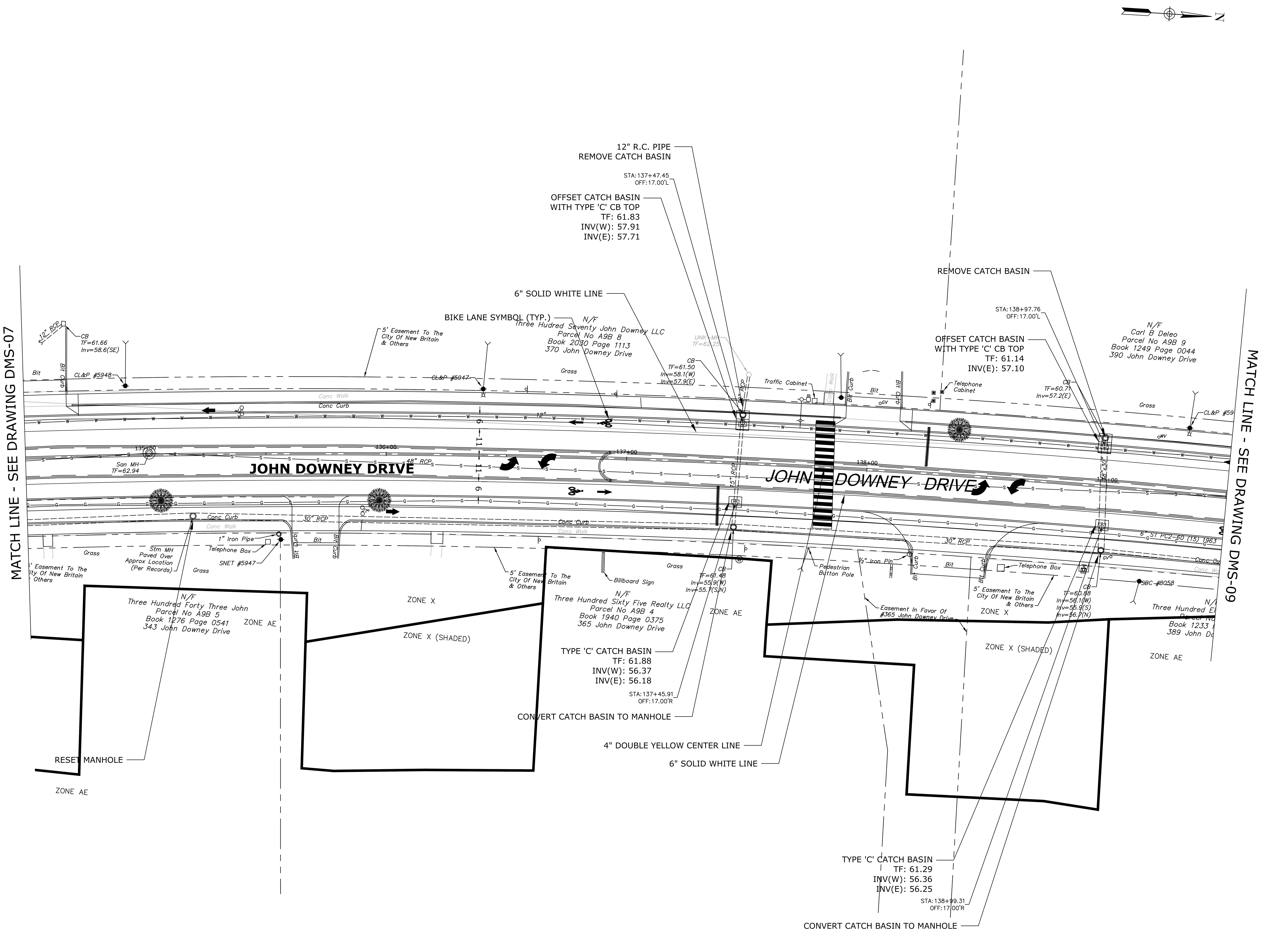
DATE: December 29, 2023

DRAWN BY J OUTLAW
CHECKED BY R TROTTIER
1" = 20'
0 20 40
SCALE

REV.	DATE	REVISION DESCRIPTION

PROJECT NUMBER
L088-0004

DRAWING NUMBER
DMS-07



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DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

PROJECT TITLE
JOHN DOWNEY DRIVE
CORRIDOR IMPROVEMENTS

DRAWING TITLE
GRAINAGE, PAVE MARKINGS & SIGNING PLAN

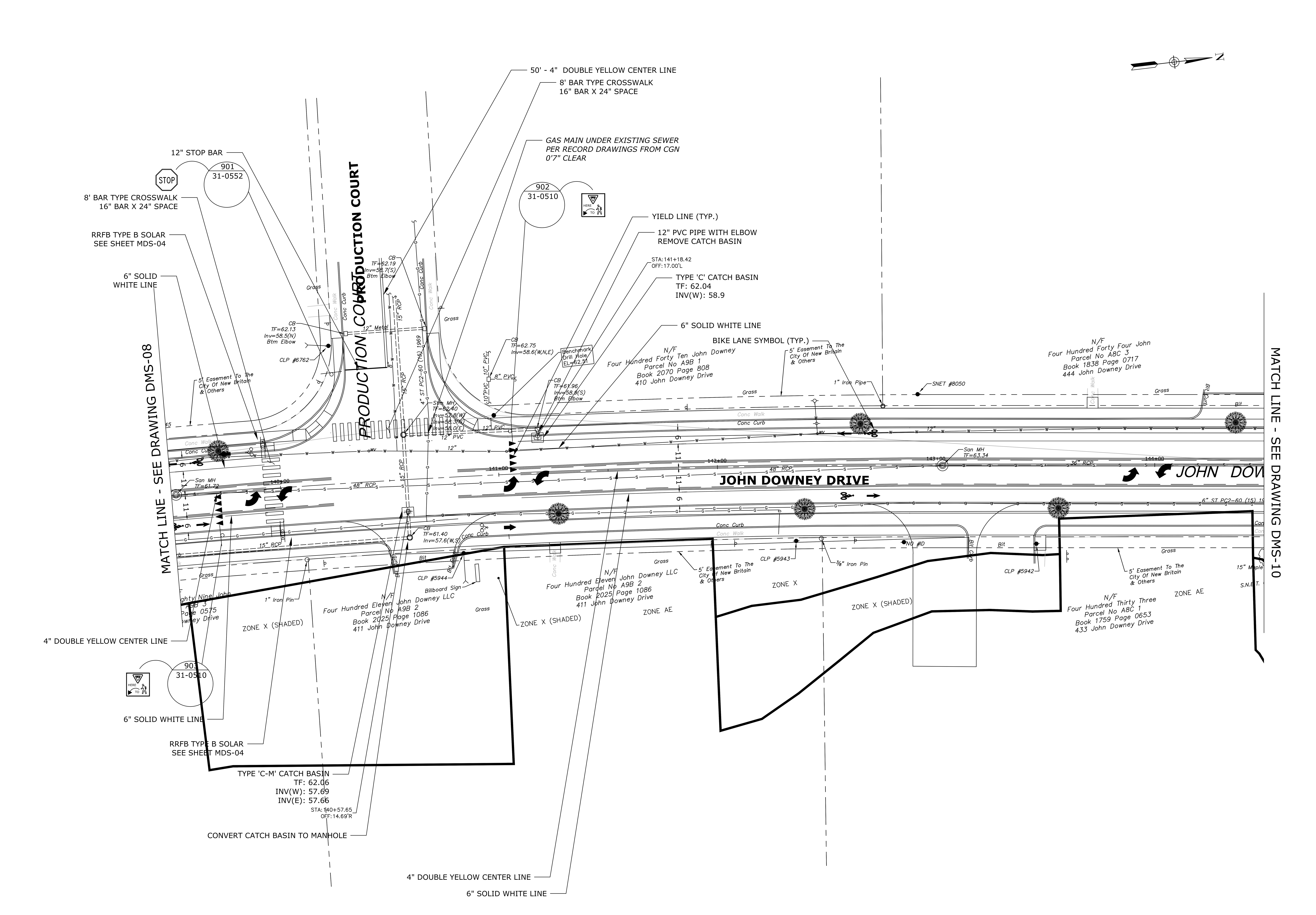
FILENAME: PS-88L-004-DMS-01.dwg
DATE: December 29, 2023

DRAWN BY J OUTLAW
CHECKED BY R TROTTIER
1" = 20'
SCALE 0 20 40

REV.	DATE	REVISION DESCRIPTION

PROJECT NUMBER
L088-0004

DRAWING NUMBER
DMS-08



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SEAL OF THE CITY OF NEW BRITAIN, CT. 1871

PROJECT TITLE
JOHN DOWNEY DRIVE
CORRIDOR IMPROVEMENTS

DRAWING TITLE
GRAINAGE, PAVE MARKINGS & SIGNING PLAN

DRAWN BY	CHECKED BY	SCALE
J OUTLAW	R TROTTIER	1" = 20' (0 20 40)

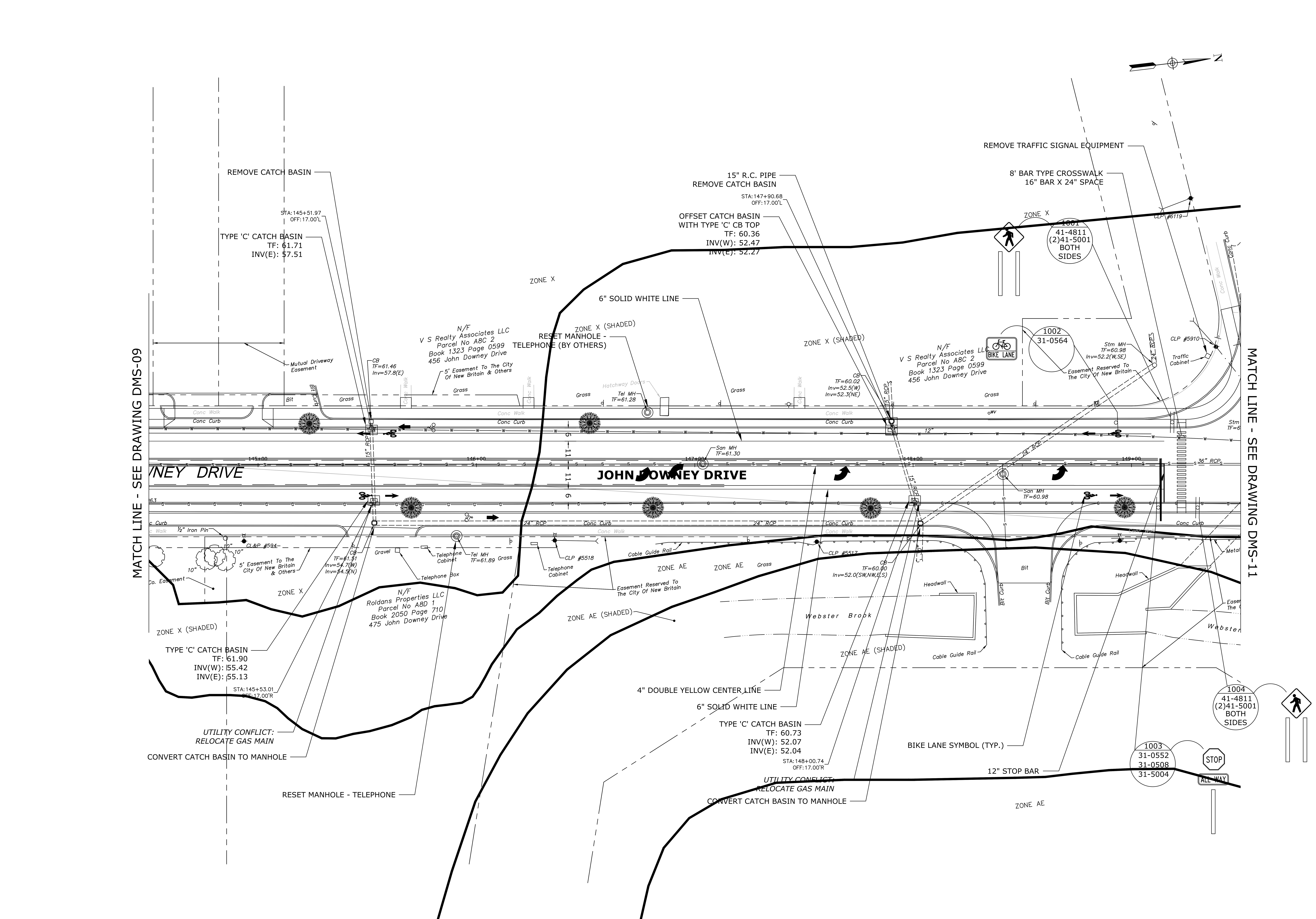
REV.	DATE	REVISION DESCRIPTION

PROJECT NUMBER
L088-0004

DRAWING NUMBER
DMS-09

FILENAME: PS-88L-004-DMS-01.dwg

DATE: December 29, 2023



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27 WEST MAIN STREET
NEW BRITAIN, CT 06051
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PROJECT TITLE
JOHN DOWNEY DRIVE
CORRIDOR IMPROVEMENTS

DRAWING TITLE
DRAINAGE, PAVE MARKINGS & SIGNING PLAN

FILENAME: PS-88L-004-DMS-01.dwg

DRAWN BY J OUTLAW
CHECKED BY R TROTTIER

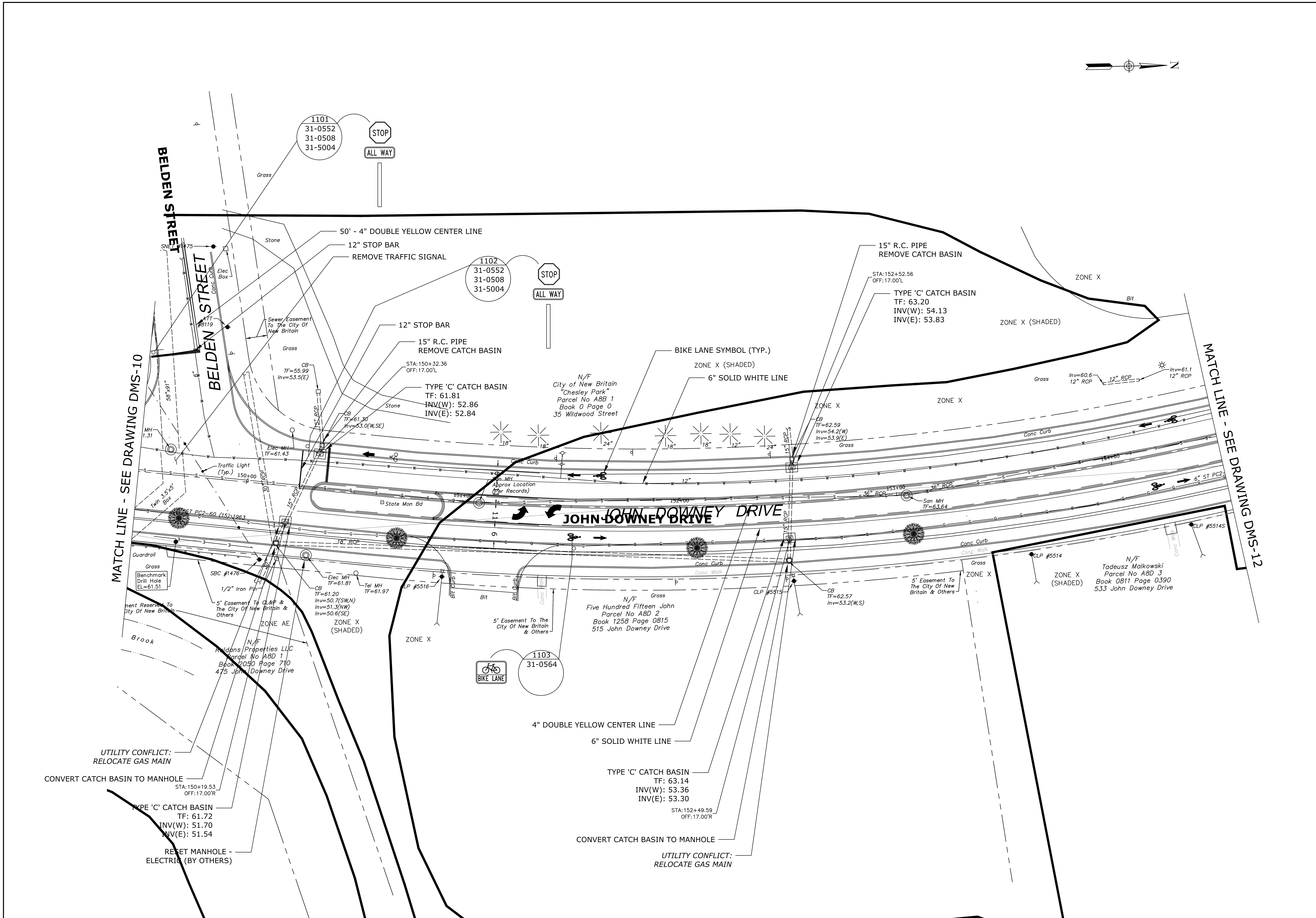
1" = 20'
0 20 40
SCALE

REV.	DATE	REVISION DESCRIPTION

DATE: December 29, 2023

PROJECT NUMBER
L088-0004

DRAWING NUMBER
DMS-10



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27 WEST MAIN STREET
NEW BRITAIN, CT 06051
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

SEAL OF THE CITY OF NEW BRITAIN, CT. 1871

PROJECT TITLE
JOHN DOWNEY DRIVE
CORRIDOR IMPROVEMENTS

DRAWING TITLE
GRAINAGE, PAVE MARKINGS & SIGNING PLAN

FILENAME: PS-88L-004-DMS-01.dwg

DRAWN BY
J OUTLAW
CHECKED BY
R TROTTIER

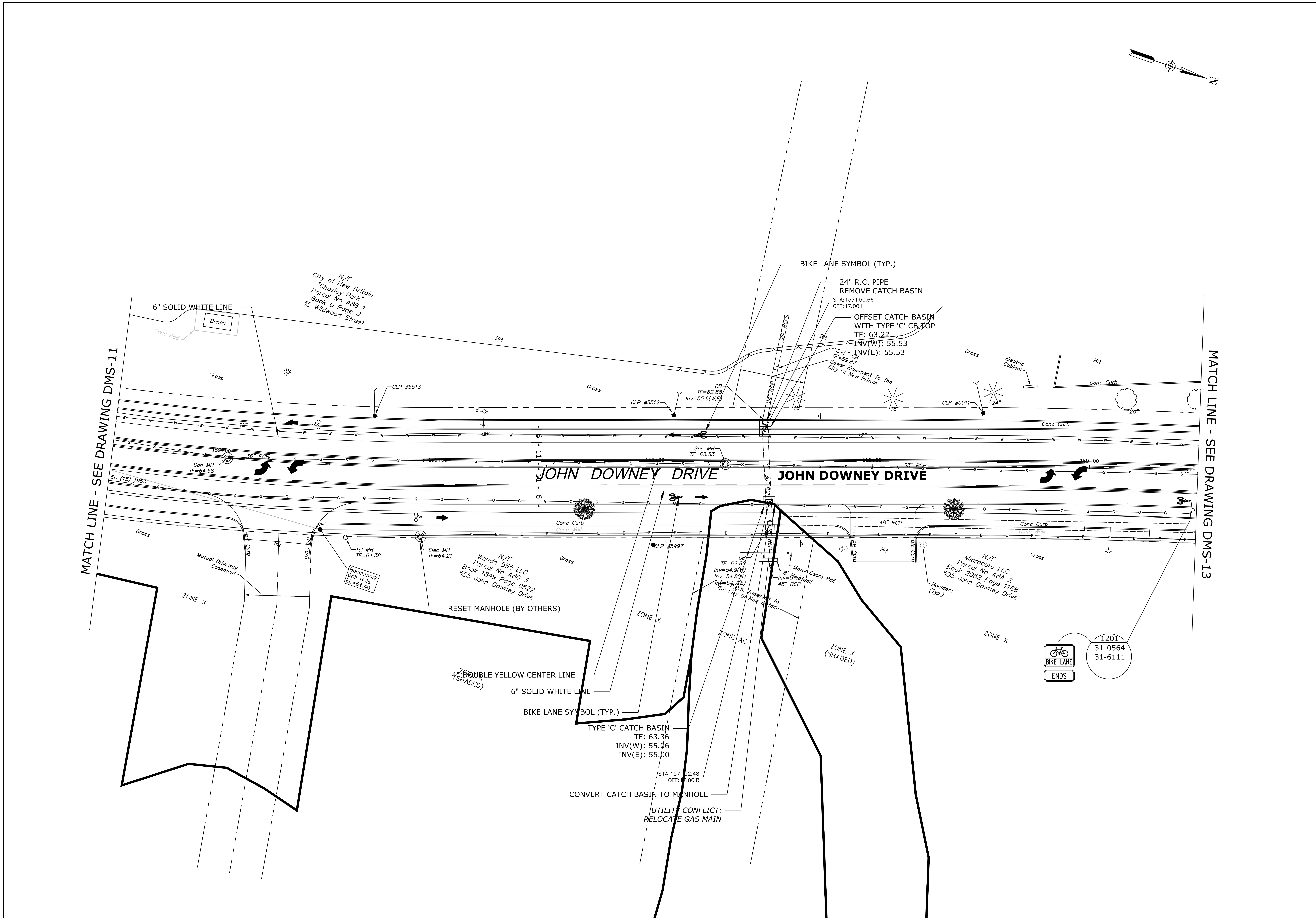
1" = 20'
0 20 40
SCALE

REV.	DATE	REVISION DESCRIPTION

DATE: December 29, 2023

PROJECT NUMBER
L088-0004

DRAWING NUMBER
DMS-11



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DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

SEAL OF THE CITY OF NEW BRITAIN, CT. 1871

PROJECT TITLE
JOHN DOWNEY DRIVE
CORRIDOR IMPROVEMENTS

DRAWING TITLE
GRAINAGE, PAVE MARKINGS & SIGNING PLAN

FILENAME: PS-88L-004-DMS-01.dwg

DRAWN BY J OUTLAW

CHECKED BY R TROTTIER

1" = 20'

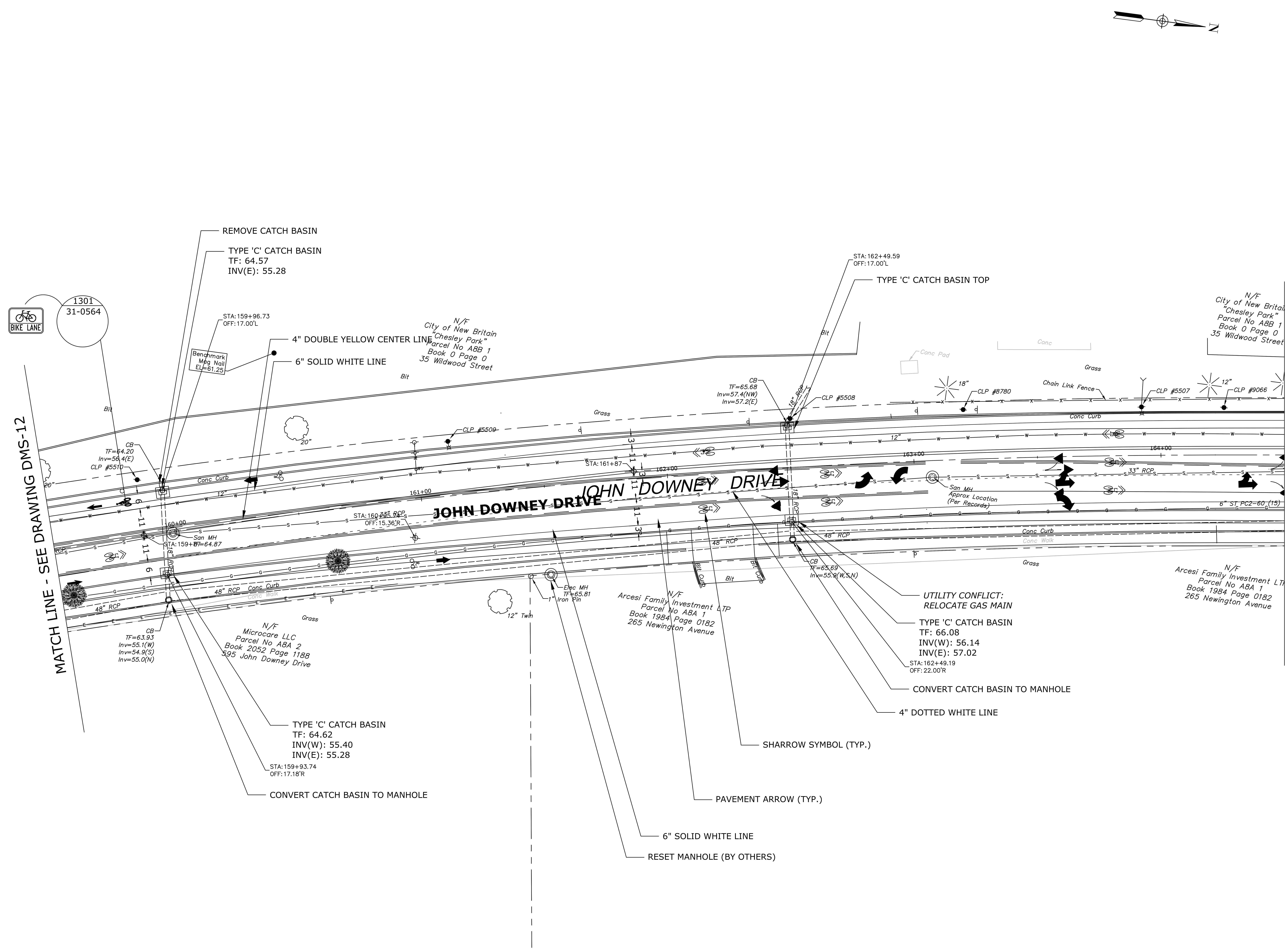
SCALE 0 20 40

REV.	DATE	REVISION DESCRIPTION

DATE: December 29, 2023

PROJECT NUMBER
L088-0004

DRAWING NUMBER
DMS-12



NOTES:
1. SEE TCS-02 FOR ADDITIONAL SIGNAGE

CITY OF NEW BRITAIN
27 WEST MAIN STREET
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DEPARTMENT OF PUBLIC WORKS
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SEAL OF THE CITY OF NEW BRITAIN, CT. 1871

PROJECT TITLE: JOHN DOWNEY DRIVE CORRIDOR IMPROVEMENTS

DRAWING TITLE: GRAINAGE, PAVE MARKINGS & SIGNING PLAN

FILENAME: PS-88L-004-DMS-01.dwg

DATE: December 29, 2023

DRAWN BY: J OUTLAW

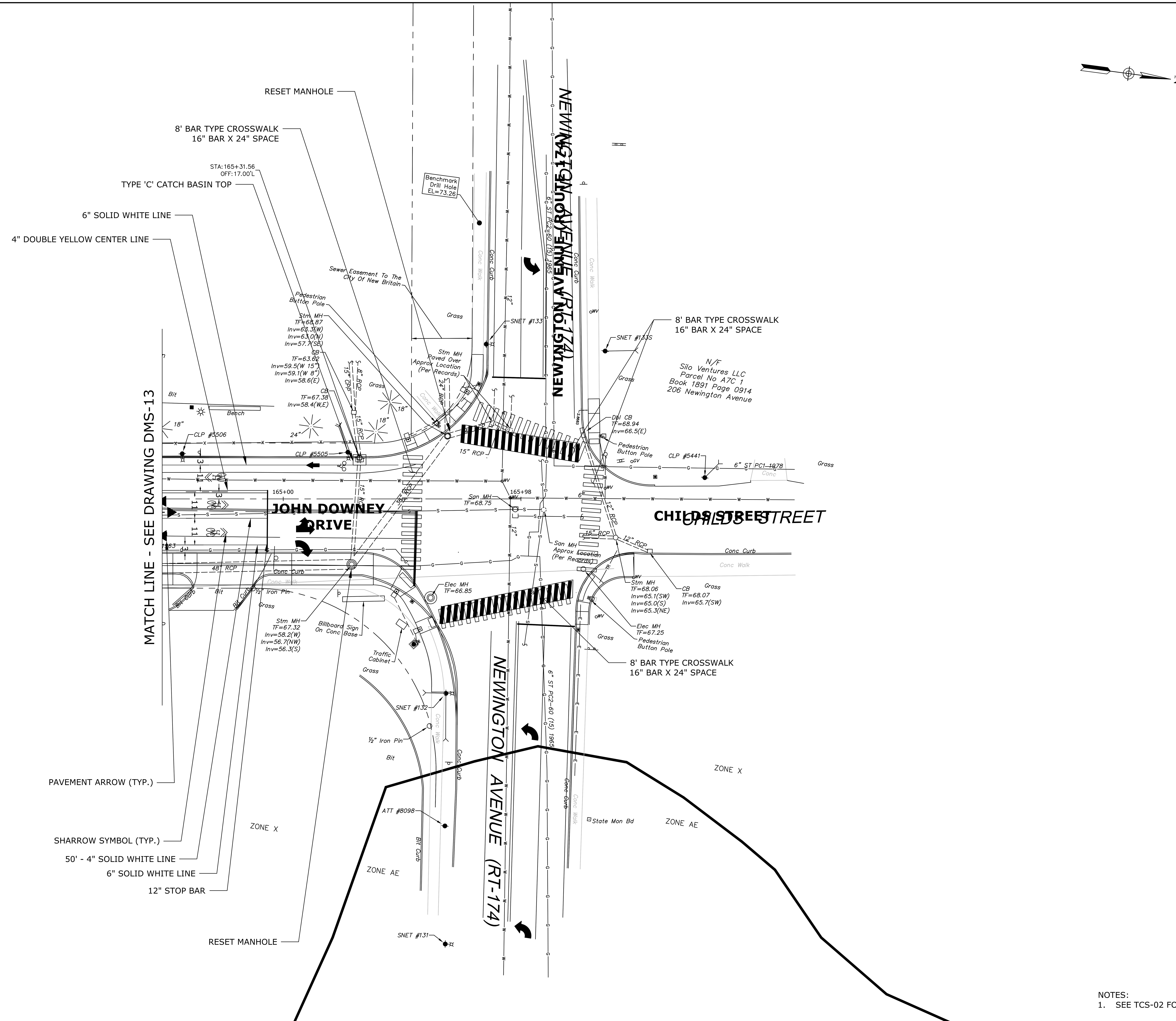
CHECKED BY: R TROTTIER

SCALE: 1" = 20'

REV.	DATE	REVISION DESCRIPTION

PROJECT NUMBER: L088-0004

DRAWING NUMBER: DMS-13



NOTES:
1. SEE TCS-02 FOR ADDITIONAL SIGNAGE

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PROJECT TITLE: JOHN DOWNEY DRIVE CORRIDOR IMPROVEMENTS

DRAWING TITLE: GRAINAGE, PAVE MARKINGS & SIGNING PLAN

FILENAME: PS-88L-004-DMS-01.dwg

DRAWN BY: J OUTLAW

CHECKED BY: R TROTTIER

SCALE: 1" = 20' (0 20 40)

REVISION DESCRIPTION | REV. | DATE

DATE: December 29, 2023

PROJECT NUMBER: L088-0004

DRAWING NUMBER: DMS-14

MOVEMENT DIAGRAM

NTOR	FLASH	PHASE 1 GRN	PHASE 1 CL	PHASE 1 CL	PHASE 2 (PRE-EMPT 1) GRN	CL	CL	PHASE 3 GRN	CL	CL	PHASE 4 GRN	CL	CL	PHASE 5 (PRE-EMPT 1) GRN	CL	CL	PHASE 6 (PRE-EMPT 2) GRN	CL	CL	PHASE 7 (PRE-EMPT 3) GRN	CL	CL	PHASE 8 GRN	CL	CL	PHASE 9 GRN	CL	CL
FACE # 2	R				G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
3	R				R	R	R	←G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
4	R				R	R	R	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
5	R				G	Y	R	R	R	R	R	R	R	←R	←YR	R	R	R	R	R	R	R	R	R	R	R	R	R
6	R				R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	R
7	R				R	R	R	R	R	R	G	Y	R	R	R	R	R	R	R	←R	←YR	R	R	R	R	R	R	R
8	R				R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R
9	R				R	R	R	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
P	OFF				DW			DW			DW			DW			DW			DW			DW			WØ	DW	
MIN					15	3	1	5	3	1	5	3	1	5	3	1	15	3	1	5	3	1	5	3	1	7 | 10	4	0
MAX					43	5	4	6	5	3	21	5	3	8	5	3	36	5	4	15	5	3	21	5	3	15 | 15	4	0
INTERVALS MIN GRN					15			5			5			5			15			5			5				ACCESSIBLE PEDESTRIAN SIGNAL	
WALK																	7									7②		
PED CLR																	6									10①		
VEH EXT					2			2			2			2			2			2			2					
MAX 1					40			10			25			15			40			10			25					
MAX 2					40			10			25			15			40			10			25					
YELLOW						3.5			3.0			3.1			3.0			3.5			3.0			3.1			4.0	
RED							3.0			1.6			2.3			1.0			3.0			1.0			2.3			0
ADD INIT																											COUNTDOWN PEDESTRIAN SIGNAL	
MAX INIT																												
TBR																												
TTR																												
MIN GAP																												
MODE		OFF			MIN. RECALL			NON-LOCK			NON-LOCK			NON-LOCK			MIN. RECALL			NON-LOCK			NON-LOCK			NON-LOCK		
INT START					THIS PHASE												THIS PHASE											

DETECTORS IDENT	SIZE (WXL)	TYPE	MODE
D2	10'X80'	VIDEO 360	PRESENCE
D3	10'X20'	VIDEO 360	PRESENCE
D4	10'X65'	VIDEO 360	PRESENCE
D5	10'X80'	VIDEO 360	PRESENCE
D6	10'X60'	VIDEO 360	PRESENCE
D6A	10'X60'	VIDEO 360	PRESENCE
D7	10'X65'	VIDEO 360	PRESENCE
D8	20'X20'	VIDEO 360	PRESENCE

SYSTEM LOC: MASTER

COORDINATION TYPE: NONE

FUNCTION	PROGRAM TIME	DAYS	CYCLE	OFFSET SEC	OFFSET %	PHASE SPLITS SEC / % ø1	ø2	ø3	ø4	ø5	ø6	ø7	ø8	ø9	PERMIS PERIOD ø	SEC
FLASH	NONE															
MAX 1	ALL OTHER TIMES															
MAX 2	FUTURE															

PRE-EMPTION SETTINGS

	PRE-EMPT 1	PRE-EMPT 2	PRE-EMPT 3
PRIORITY	NO	NO	NO
DET. LOCK	YES	YES	YES
DELAY	0	0	0
ALT. MIN. GRN	5	5	5
ALT. YELLOW	PARENT	PARENT	PARENT
ALT. RED	PARENT	PARENT	PARENT
ALT. PED. CLR.	13	13	13
HOLD GREEN	15	15	15
HOLD YELLOW	3.0	3.5	3.0
HOLD RED	1.0	3.0	1.0
HOLD PHASE	2&5	2&6	4&7
EXIT PHASE	2&6	3	4&8
EXIT CALL	NONE	NONE	NONE

TECHNICAL NOTES

STANDARD OVERLAP SKIP FEATURES APPLY

① COUNTDOWN ONLY DURING FLASHING PEDESTRIAN CLEARANCE INTERVAL.

② PERCUSSIVE TONE ONLY DURING PEDESTRIAN WALK INTERVAL.

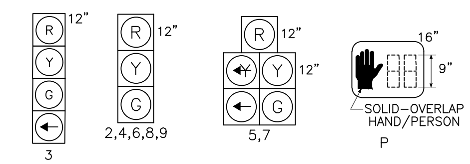
OFFICE RECORD

REV # — TIR # — SM # N/A

OSTA #

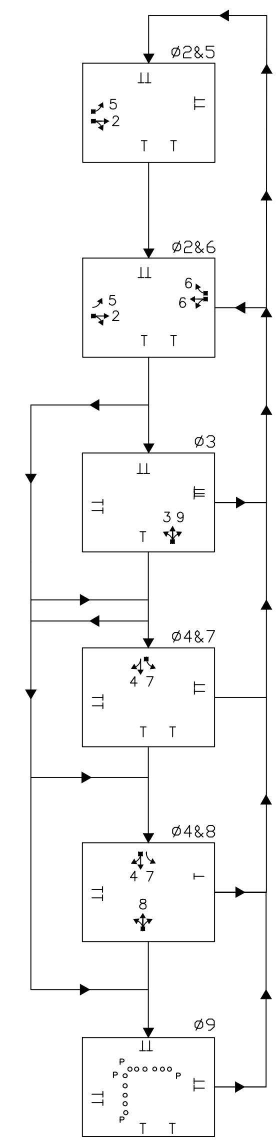
TRAFFIC CONTROL SIGNAL EQUIPMENT REPLACED. GEOMETRIC MODIFICATIONS AND LANE-USE REVISED ON SOUTH STREET.

SIGNAL FACES



ALL INDICATIONS TO HAVE L.E.D. LAMPS. VEHICLE SIGNAL HEADS TO HAVE BACKPLATES WITH RETRO-REFLECTIVE YELLOW BORDERS.

PHASE DIAGRAM



CONSTRUCTION NOTES :

1. ALL TRAFFIC SIGNAL EQUIPMENT IS NEW.
2. STAKE ALL R.O.W. PRIOR TO EXCAVATION.
3. ANY PROPOSED REVISIONS TO THE LOCATION OF THE APPURTENANCES SHOWN ON THE PLAN MUST BE SUBMITTED FOR REVIEW AND APPROVAL BY THE CITY OF NEW BRITAIN PRIOR TO INSTALLATION.
4. THE LOCATION OF TRAFFIC SIGNAL FOUNDATIONS WHEN IN OR ADJACENT TO SIDEWALKS SHALL BE VERIFIED PRIOR TO INSTALLATION TO PROVIDE A FREE PATH OF NOT LESS THAN 4 FEET. IF A MINIMUM 4 FOOT FREE PATH IS UNAVAILABLE NOTIFY THE ENGINEER.
5. INSTALL CONTROLLER AND CABINET ON TYPE IV CONTROLLER FOUNDATION.
6. ALL HANDHOLES SHALL BE 30" X 30".
7. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY STATE AND CITY PERMITS, INCLUDING BUT NOT LIMITED TO: SIDEWALK, CURB, AND ROAD OPENING.
8. REMOVE ALL ABANDONED TRAFFIC SIGNAL EQUIPMENT PER SPECIAL PROVISIONS.
9. ALL SIGNS DAMAGED DURING CONSTRUCTION SHALL BE REPLACED IN KIND BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
10. CONTRACTOR TO PROVIDE TWO SETS OF CABINET WIRING DIAGRAMS IN THE CABINET AND ONE DIGITAL COPY TO THE CITY.
11. CONTRACTOR SHALL TELEPHONE "CALL BEFORE YOU DIG" 48 HOURS PRIOR TO ANY EXCAVATION. CONTRACTOR SHALL CONTACT UTILITY REPRESENTATIVES AND CITY AGENCIES TWO WEEKS PRIOR TO EXCAVATION.
12. COORDINATE WITH UTILITY COMPANY REPRESENTATIVES LISTED IN THE SPECIAL PROVISION, 1.07 – LEGAL RELATIONS AND RESPONSIBILITIES.
13. CONTRACTOR SHALL PROVIDE TEMPORARY SIGNALIZATION AT THIS INTERSECTION UNDER ITEM #1118051A – TEMPORARY SIGNALIZATION (SITE NO. 1).
14. CAMERA ASSEMBLY LOCATIONS ARE FOR ILLUSTRATION ONLY. THE EXACT LOCATION SHALL BE DETERMINED BY THE MANUFACTURER OR THE DESIGNATED REPRESENTATIVE. CAMERA CABLE IS TO BE INSTALLED CONTINUOUS BETWEEN THE CAMERA AND THE CONTROLLER CABINET. NO SPLICES WILL BE ALLOWED.
15. REMOVE ALL EXISTING SIGNS THAT CONFLICT WITH THE PROPOSED SIGNS, AS DIRECTED BY THE ENGINEER.
16. THE TOP OF MAST ARM AND PEDESTAL FOUNDATIONS WITHIN SIDEWALK AREAS ARE TO BE LEVEL WITH SIDEWALK. IN EARTH AREAS, MAST ARM AND PEDESTAL FOUNDATIONS TO HAVE A 3" REVEAL.
17. CONTRACTOR TO VERIFY ALL MAST ARM INFORMATION INCLUDING CROSS SECTIONS AND DIMENSIONS, BASED ON FIELD SURVEY, PRIOR TO SUBMISSION OF WORKING DRAWINGS.
18. ALL MAST ARM MOUNTED TRAFFIC SIGNALS ARE FIXED MOUNTED TO THE MAST ARM BY USE OF ADJUSTABLE BRACKETS.
19. ALL MAST ARM MOUNTED SIGNS ARE FIXED MOUNTED.
20. THE COLOR OF THE FINISH COAT FOR STEEL MAST ARMS, ANCHOR BOLT COVERS, POST CAPS, END CAPS, ALUMINUM PEDESTALS, TRAFFIC/PEDESTRIAN SIGNAL HEADS, PUSHBUTTONS AND ALL BRACKETS AND HARDWARE, INCLUDING STAINLESS STEEL BANDS, SHALL BE BLACK, FEDERAL STANDARD AMS-STD-595, COLOR NO. 27038, CONFORMING TO FEDERAL SPECIFICATIONS TT-E-489. COLOR SAMPLES TO BE PROVIDED TO THE ENGINEER FOR APPROVAL PRIOR TO FABRICATION.
21. REFER TO SEPARATE PLANS FOR PAVEMENT MARKINGS AND ADDITIONAL SIGNAGE.
22. PRE-EMPTION DETECTOR LOCATIONS ARE FOR ILLUSTRATION ONLY. EXACT LOCATIONS SHALL BE DETERMINED BY THE MANUFACTURER OR HIS DESIGNATED REPRESENTATIVE. DETECTOR CABLES ARE TO BE INSTALLED CONTINUOUS BETWEEN EACH DETECTOR AND THE CONTROLLER CABINET.
23. INSTALL 2" RISER ON UP #8-0 FOR ELECTRICAL SERVICE.
24. INSTALL 2" RISER ON UP #8-0 FOR INTERCONNECT. SPLICE NEW 12 STRAND FIBER OPTIC DROP CABLE IN EXISTING SPLICE ENCLOSURE OVERHEAD. INSTALL NEW CABLE AS SHOWN ON THE PLAN.

Ⓧ 25. VIDEO DETECTION BY USE OF VIDEO-360 CAMERA MOUNTED ON MAST ARM 088-951A.

Ⓨ 26. INSTALL PEDESTAL AND FOUNDATION ADJACENT TO RAMP LANDING AREA, AS SHOWN ON THE PLAN.

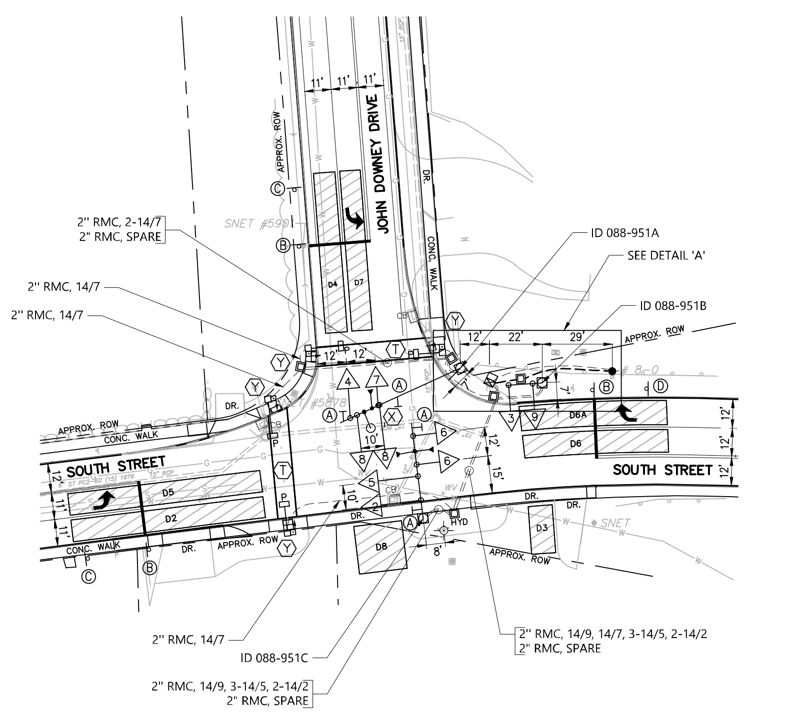
SIGN LEGEND

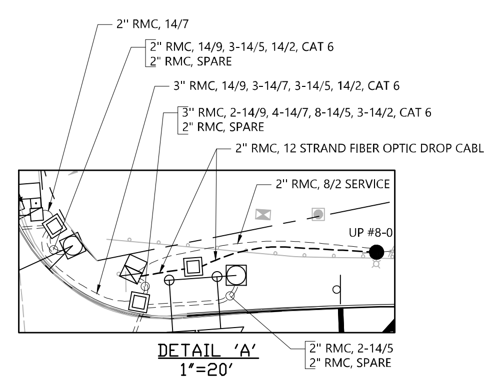
Ⓐ 31-0816 NO TURN ON RED

Ⓑ 31-0802 STOP HERE ON RED

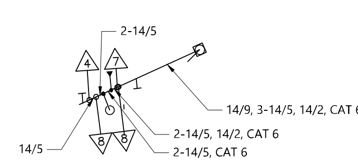
Ⓒ 31-0282 (ONLY)

Ⓓ 31-0283 (ONLY)

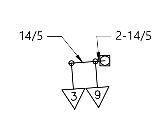




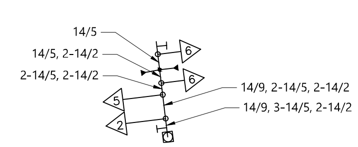
DETAIL 'A'
1"=20'



ELECTRICAL CALLOUTS FOR MAST ARM 088-951A



ELECTRICAL CALLOUTS FOR MAST ARM 088-951B



ELECTRICAL CALLOUTS FOR MAST ARM 088-951C

NOTES:

1. CITY TO MAINTAIN ALL PAVEMENT MARKINGS AND SIGNING.
Ⓣ 2. BAR TYPE CROSSWALKS SHALL BE (16" BAR, 24" SPACE, 8' WIDTH) – CITY MAINTAINED.
3. ALL HANDHOLES ARE 30" X 30".
4. ALL STOP BARS SHALL BE 12" WIDE.
Ⓧ 5. VIDEO DETECTION BY USE OF VIDEO-360 CAMERA MOUNTED ON MAST ARM 088-951A.

MAST ARM INFORMATION

ID #	APPROX. ARM ATTACHMENT HEIGHT	ARM LENGTH	YEAR INSTALLED
088-951A	*	55'	–
088-951B	*	15'	–
088-951C	*	35'	–

*TO BE CALCULATED BY THE CONTRACTOR BASED ON FIELD CONDITIONS. BOTTOM OF TRAFFIC SIGNAL HEADS MUST BE MOUNTED AT A HEIGHT OF 16'-18' ABOVE THE ROADWAY SURFACE.

LEGEND:

R RED
Y YELLOW
G GREEN
RED ARROW
YELLOW ARROW
GREEN ARROW
WØ WALK/ PED. CLR
D.W. DON'T WALK
FL. FLASHING

PROPOSED WOOD SPAN POLE
EXISTING WOOD SPAN POLE
PROPOSED STEEL SPAN POLE
EXISTING STEEL SPAN POLE
PROPOSED UTILITY POLE
EXISTING UTILITY POLE
PEDESTAL MOUNTING
PEDESTRIAN PUSH BUTTON & SIGN
DIRECTIONAL ARW. FOR PUSH BUTTON

EXISTING PEDESTAL
TRAFFIC SIGNAL FACE
PEDESTRIAN SIGNAL FACE
DET. LEADS IN SAW CUT
PROPOSED RMC (RIGID METAL CONDUIT)
EXISTING RMC (RIGID METAL CONDUIT)
AUXILIARY TERMINATION CABINET
AUXILIARY EQUIPMENT CABINET
VIDEO DETECTION ZONE

EXISTING LIGHT POLE
PROPOSED CONTROLLER
EXISTING CONTROLLER
LOOP DETECTOR
AUDIO DETECTOR
OPTICAL DETECTOR
360° CAMERA ASSEMBLY
CAT 6 CATEGORY 6 CABLE

EXISTING LIGHT POLE WITH ARM
PROPOSED LIGHT POLE WITH ARM
SIDEWALK RAMP
CABLE CLOSURE
GUY WIRE
PROPOSED HANDHOLE
EXISTING HANDHOLE

DATE PLOTTED : Dec 23, 2023 — TCS 43196.dwg

NO.	DATE	REVISION DESCRIPTION

CITY OF NEW BRITAIN

	TRAFFIC	DATE	ELECTRICAL	DATE
ENGINEER				
DRAWN BY				
CHECKED BY				
SUBMITTED BY				
APPROVED BY				
APPROVED DATE				

vhb — 100 Great Meadow Road, Suite 200 Wethersfield, Connecticut 06109 Tel 860 807-4300 Fax 860 372-4570

SOUTH STREET AT JOHN DOWNEY DRIVE

CITY SIGNAL

INTERSECTION #088-951

ENERGY BY - CITY — METER # - N/A

MAINT LEVEL - CITY — SERVICE POLE # 8-0

UNMETERED SERVICE

TOWN: NEW BRITAIN

DRAWING TITLE: TRAFFIC CONTROL SIGNAL PLAN

PROJECT NO. L088-0004

DRAWING NO. TCS-01

SHEET NO.

SCALE 1" = 40'

MOVEMENT DIAGRAM

NTOR		PHASE 1			PHASE 2			PHASE 3			PHASE 4			PHASE 5			PHASE 6			PHASE 7			PHASE 8		
	FLASH	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL	GRN	CL	CL
FACE _1_	_R_	◄_G	◄Y_G	_G_	_G_	_Y_	_R_	_R_	_R_	_R_	_R_	_R_	_R_												
_2_	_R_	_G_	_G_	_G_	_G_	_Y_	_R_	_R_	_R_	_R_	_R_	_R_	_R_												
_3_	_R_	_R_	_R_	_R_	_G_	_Y_	_R_	_R_	_R_	_R_	_R_	_R_	_R_												
_4_	_R_	_R►	R_Y►	_R_	_R_	_R_	_R_	_R_	_R_	_R_	_G_	(1)_Y ►	(2)_R ►												
_5_	_R_	_R_	_R_	_R_	_R_	_R_	_R_	_R_	_R_	_R_	_G_	_Y_	_R_												
_6_	_R_	_R_	_R_	_R_	_R_	_R_	_R_	_R_	_R_	_R_	_G_	_Y_	_R_												
_P_	OFF	◄		_DW			►	W Ø	◄		_DW		►												
#						◄ YEILD																			

INTERVALS	PHASE 1			PHASE 2			PHASE 3			PHASE 4			PHASE 5	PHASE 6	PHASE 7	PHASE 8
MIN GRN	4			20			___			9						
WALK	___			___			7 (1)			___						
PED CLR	___			___			13 (2)			___						
VEH EXT	2			___			___			2						
MAX 1	18			28			___			20						
MAX 2	18			28			___			20						
YELLOW	___	3.0		___	3.9		___	0		___	3					
RED	___		0.5	___		0.6	___		0__	___		0.8				
ADD INIT	___			___			___			___						
MAX INIT	___			___			___			___						
TBR	___			___			___			___						
TTR	___			___			___			___						
MIN GAP	___			___			___			___						
MODE	_NON-LOCK_			MAX_RECALL			LOCK			_NON-LOCK_			OFF	OFF	OFF	OFF
INIT START	___			THIS_PHASE			___			___						

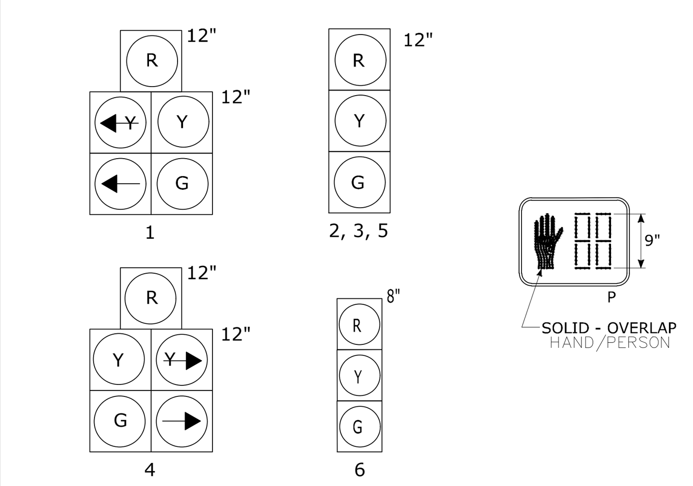
TECHNICAL NOTES

STANDARD OVERLAP SKIP FEATURES APPLY
(1) TO BE Y IF PHASE 2 NEXT
(2) TO BE R IF PHASE 2 NEXT
TIMINGS SHOWN INDICATE FREE OPERATION.
ACTUAL TIMINGS TO BE CONTROLLED BY CLOSED LOOP LOCAL COORDINATION UNIT.

OFFICE RECORD

REV # 12 TIR # SM # SIGNAL REVISED:
REVISED PEDESTRIAN AMENITIES, SOUTHEAST AND SOUTHWEST CURB RETURNS

SIGNAL FACES



ALL INDICATIONS HAVE LED LAMPS EXCEPT PEDS.

CONSTRUCTION NOTES

1. ALL TRAFFIC SIGNAL EQUIPMENT IS EXISTING EXCEPT AS NOTED.
2. STAKE ALL R.O.W. PRIOR TO EXCAVATION.
3. THE LOCATION OF TRAFFIC SIGNAL FOUNDATIONS WHEN IN OR ADJACENT TO SIDEWALKS SHALL BE VERIFIED PRIOR TO INSTALLATION TO PROVIDE A FREE PATH OF NOT LESS THAN 4 FEET. IF A MINIMUM 4 FOOT FREE PATH IN UNAVAILABLE NOTIFY THE ENGINEER.
4. INSTALL PEDESTAL LANDING ADJACENT TO LANDING AREAS.
5. TOP OF PEDESTAL FOUNDATIONS WITHIN SIDEWALK AREAS ARE TO BE LEVEL WITH SIDEWALK. IN EARTH AREAS, FOUNDATION TO HAVE 3" REVEAL.
6. ANY PROPOSED REVISIONS TO THE LOCATION OF THE APPURTENANCES SHOWN ON THE PLAN MUST BE SUBMITTED FOR REVIEW AND APPROVED BY THE CITY ENGINEER PRIOR TO INSTALLATION.
7. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY STATE AND CITY PERMITS, INCLUDING BUT NOT LIMITED TO: CTDOT ENCROACHMENT, SIDEWALK, CURB AND ROADWAY OPENING.
8. REMOVE ALL ABANDONED TRAFFIC SIGNAL EQUIPMENT PER SPECIAL PROVISIONS.
9. CONTRACTOR SHALL TELEPHONE "CALL BEFORE YOU DIG" AT 1-800-922-4455, 48 HOURS PRIOR TO ANY EXCAVATION. CONTRACTOR SHALL CONTACT UTILITY REPRESENTATIVES AND TOWN AGENCIES TWO WEEKS PRIOR TO EXCAVATION.
10. REMOVE ALL EXISTING SIGNS THAT CONFLICT WITH THE PROPOSED SIGNS, AS DIRECTED BY THE ENGINEER.
11. SEE SIGNING AND PAVEMENT MARKING PLANS FOR ADDITIONAL INFORMATION.
12. PEDESTRIAN RAMPS, SIGNAGE AND PAVEMENT MARKINGS ON JOHN DOWNEY DRIVE TO BE REPLACED. SEE ROADWAY PLANS.
13. ALL PEDESTRIAN RAMPS TO BE REPLACED, SEE L88-004 RWY-14 FOR RAMP TYPES.
14. ANY PROPOSED REVISIONS TO THE LOCATION OF THE APPURTENANCES SHOWN ON THE PLAN MUST BE SUBMITTED FOR REVIEW AND APPROVAL BY THE DIVISION OF TRAFFIC ENGINEERING PRIOR TO INSTALLATION.
15. COORDINATE WITH UTILITY COMPANY REPRESENTATIVES LISTED IN THE SPECIAL PROVISION, 1.07 - LEGAL RELATIONS AND RESPONSIBILITIES.

J 16. INSTALL ONE-WAY PEDESTRIAN SIGNAL, APS PUSH BUTTON AND SIGN, 8' PEDESTAL AND FOUNDATION. INSTALL 14/7 CABLE FROM CABINET TO PEDESTAL.

M 17. REMOVE EXISTING ONE-WAY PEDESTRIAN SIGNALS (2) AND PUSH BUTTON. INSTALL ONE-WAY PEDESTRIAN SIGNALS (2) AND APS PUSH BUTTONS (2). PUSH BUTTON ORIENTATION/ARROW SHOULD BE PARALLEL TO THE PEDESTRIAN CROSSING.

18. CLEAN EXISTING CONDUIT WHERE REQUIRED. WORK TO BE PAID FOR UNDER ITEM NO. 1008908A.
19. MODIFY EXISTING CONTROLLER TO ACCOMMODATE CHANGES. SUPPLY 5 COPIES OF REVISED CABINET WIRING DIAGRAMS AND DIGITAL PDF FILES SHALL BE SENT TO DOT.TRAFFICELECTRICAL@CT.GOV.
20. ALL MATERIAL AND CONSTRUCTION METHODS SHALL CONFORM TO THE FOLLOWING CURRENT D.O.T. DOCUMENTS WHICH CAN BE ACCESSED ON THE D.O.T. WEBSITE:
    * STANDARD SPECIFICATIONS FOR ROADS, BRIDGES, FACILITIES AND INCIDENTAL CONSTRUCTION,
    * SUPPLEMENTAL SPECIFICATION TO THE STANDARD SPECIFICATION,
    * SPECIAL PROVISIONS TO THE STANDARD SPECIFICATIONS,
    * STANDARD INSTALLATION AND GUIDE DETAIL SHEETS.
24. CLEAN EXISTING HANDHOLES WHERE REQUIRED. WORK TO BE PAID FOR UNDER ITEM NO. 1010060A.
25. INSTALL A TOGGLE BOLT AND WASHER TO EFFECTIVELY SEAL EACH HOLE LEFT IN THE PEDESTALS WHERE ANY TRAFFIC SIGNAL EQUIPMENT HAS BEEN REMOVED.

DETECTORS				SYSTEM LOC
IDENT	SIZE (WXL)	TYPE	MODE	MASTER – 88-223
D1	9'X36'	VIDEO_360	PRESENCE	88-254
D1A	9'X40'	VIDEO_360	PRESENCE	88-250
D4	9'X40'	VIDEO_360	PRESENCE	88-239
D4A	11'X52'	VIDEO_360	PRESENCE	88-223

COORDINATION TYPE: CLOSED LOOP

PROGRAM FUNCTION	TIME	DAYS	CYCLE	OFFSET SEC	OFFSET %
FLASH	2200-0500	DAILY			
MAX 1	ALL OTHER TIMES	____	__	_	_

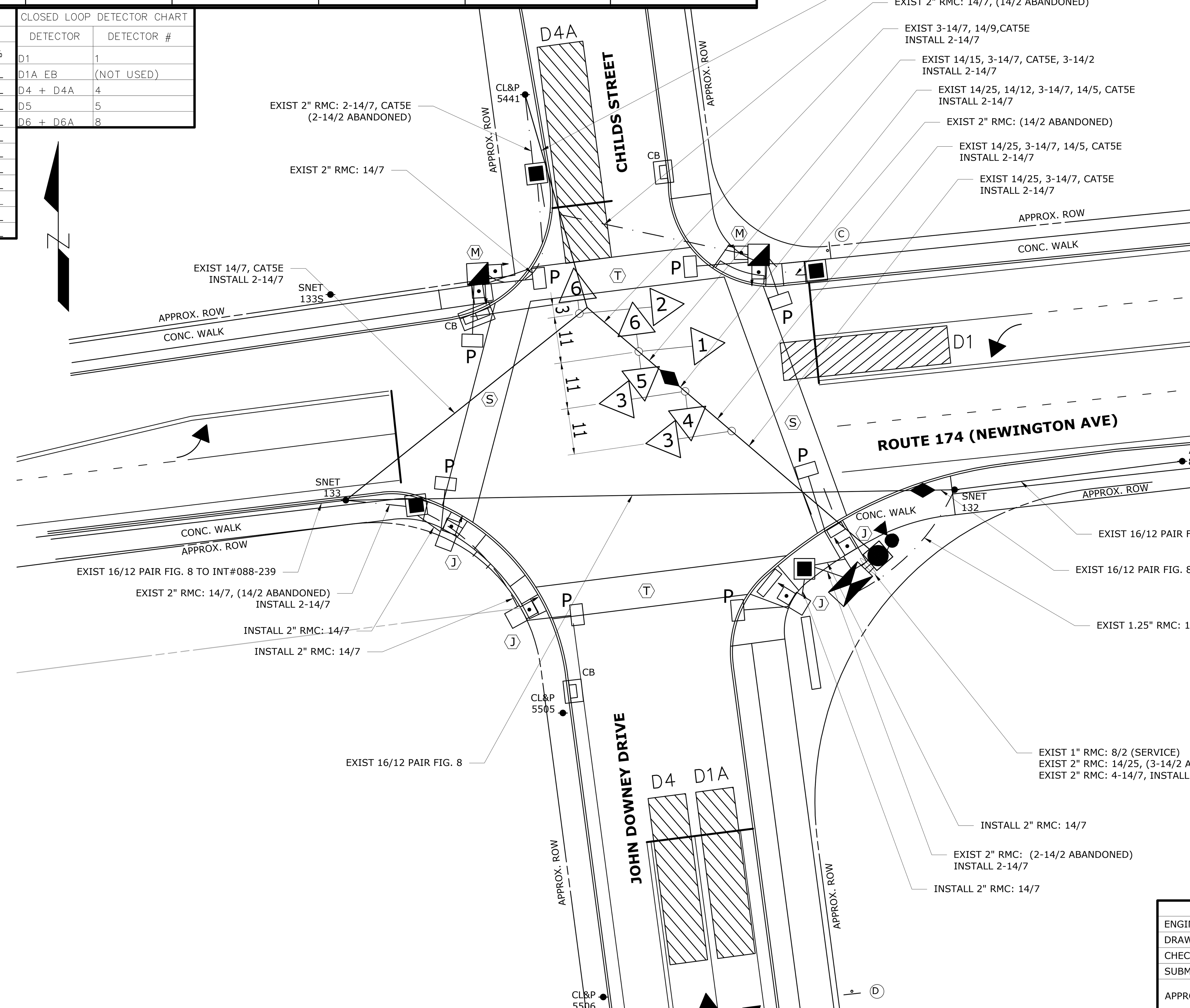
CLOSED LOOP DETECTOR CHART	
DETECTOR	DETECTOR #
D1	1
D1A EB	(NOT USED)
D4 + D4A	4
D5	5
D6 + D6A	8

SIGN LEGEND:
C EXIST 31-0282
D INSTALL 31-0283Z

SPAN POLE INFORMATION:
30', 20" B.C., 7800LBS. LOAD AT YIELD, INSTALLED 1993

NOTES:
STATE TO MAINTAIN PAVEMENT MARKINGS AND SIGNING ON ROUTE 174 AND ALL STOP BARS.
CITY OF NEW BRITAIN TO MAINTAIN ALL OTHER PAVEMENT MARKINGS AND SIGNS ON JOHN DOWNEY DRIVE AND CHILDS STREET.
SEE SEPARATE PLAN FOR PAVEMENT MARKINGS AND TRAFFIC SIGNS.

S BAR TYPE CROSSWALK -STATE MAINTAINED
T BAR TYPE CROSSWALK -CITY MAINTAINED



REV #		ENGINEER	TRAFFIC DESIGN	ELECTRICAL DESIGN
		DRAWN BY		
		CHECKED BY		
		SUBMITTED BY		
		APPROVED BY		
NO.	DATE	REVISION DESCRIPTION	APPROVED DATE	

REV #09 — INTERSECTION #088-250

ENERGY BY - CITY	ADDRESS #47
MAINT LEVEL 1	SERVICE POLE - SNET 132
	UNMETERED SERVICE

LEGEND:
R, Y, G RED, YEL, GRN
◄R RED ARROW
◄Y YELLOW ARROW
◄G GREEN ARROW
WØ WALK/ PED. CLR
D.W. DON'T WALK
FL. FLASHING

PROPOSED WOOD SPAN POLE
EXISTING WOOD SPAN POLE
PROPOSED STEEL SPAN POLE
EXISTING STEEL SPAN POLE
PROPOSED UTILITY POLE
EXISTING UTILITY POLE
PEDESTAL MOUNTING
PEDESTRIAN PUSH BUTTON & SIGN
DIRECTIONAL ARW. FOR PUSH BUTTON

TRAFFIC SIGNAL FACE
PEDESTRIAN SIGNAL FACE
DET. LEADS IN SAWCUT
PROPOSED RMC (RIGID METAL CONDUIT)
EXISTING RMC (RIGID METAL CONDUIT)
AUXILIARY TERMINATION CABINET
AUXILIARY EQUIPMENT CABINET
VIDEO DETECTION ZONE

PROPOSED CONTROLLER
EXISTING CONTROLLER
LOOP DETECTOR
SD SYSTEM DETECTOR
MAGNETIC DETECTOR
OPTICAL DETECTOR
VIDEO DETECTOR
AUDIO DETECTOR

VC VIDEO CAMERA CABLE
CABLE CLOSURE
WIRELESS SENSOR
WIRELESS RECEIVER
WIRELESS TRANSCEIVER
GUY WIRE
PROPOSED HANDHOLE
EXISTING HANDHOLE

DATE PLOTTED: $DATE$ $FILEL$

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

ROUTE 174 (NEWINGTON AVENUE) AT JOHN DOWNEY DRIVE AND CHILDS STREET

SCALE 1" = 40'

TOWN: NEW BRITAIN

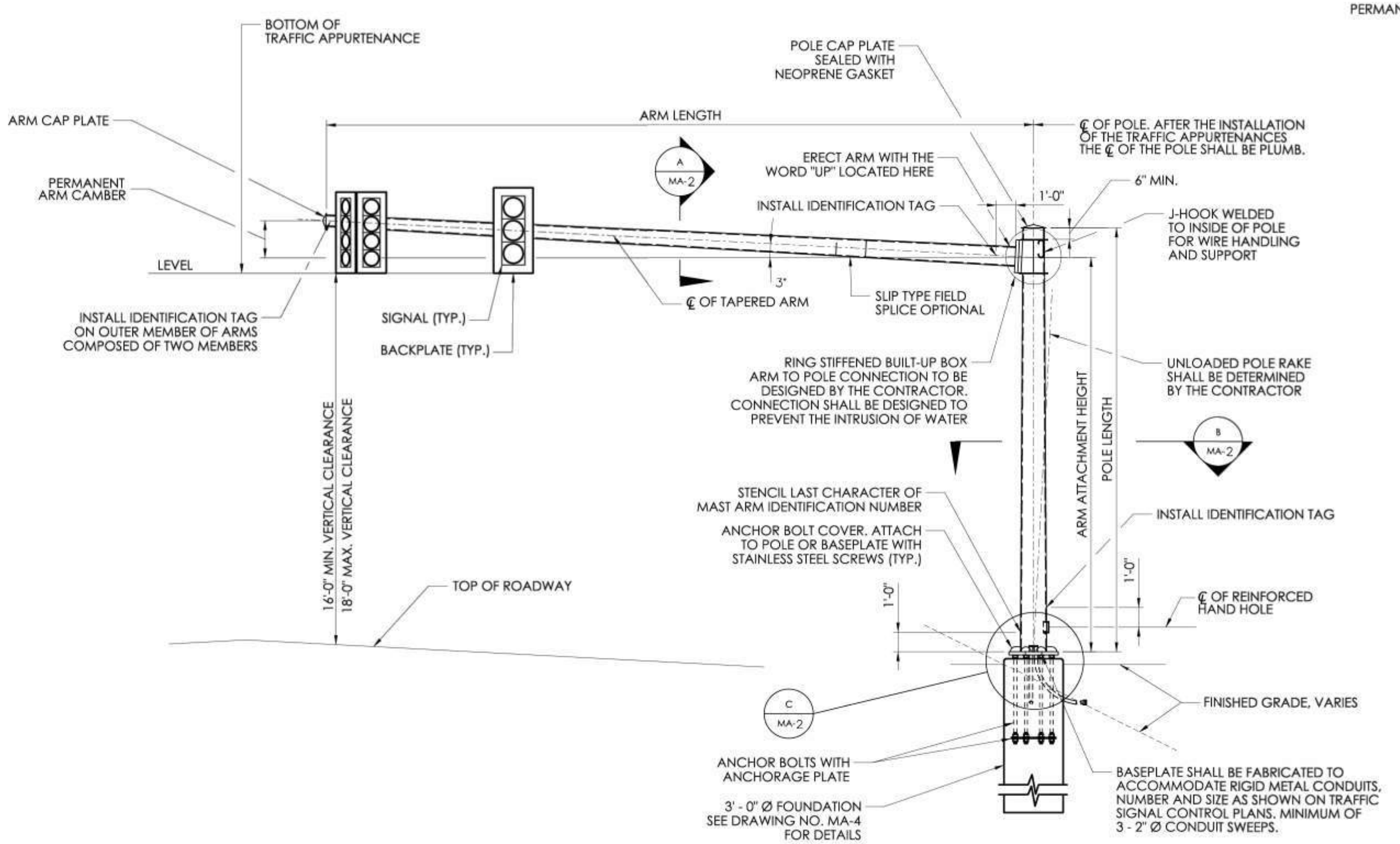
PROJECT NO. L088-0004

DRAWING NO. TCS-02

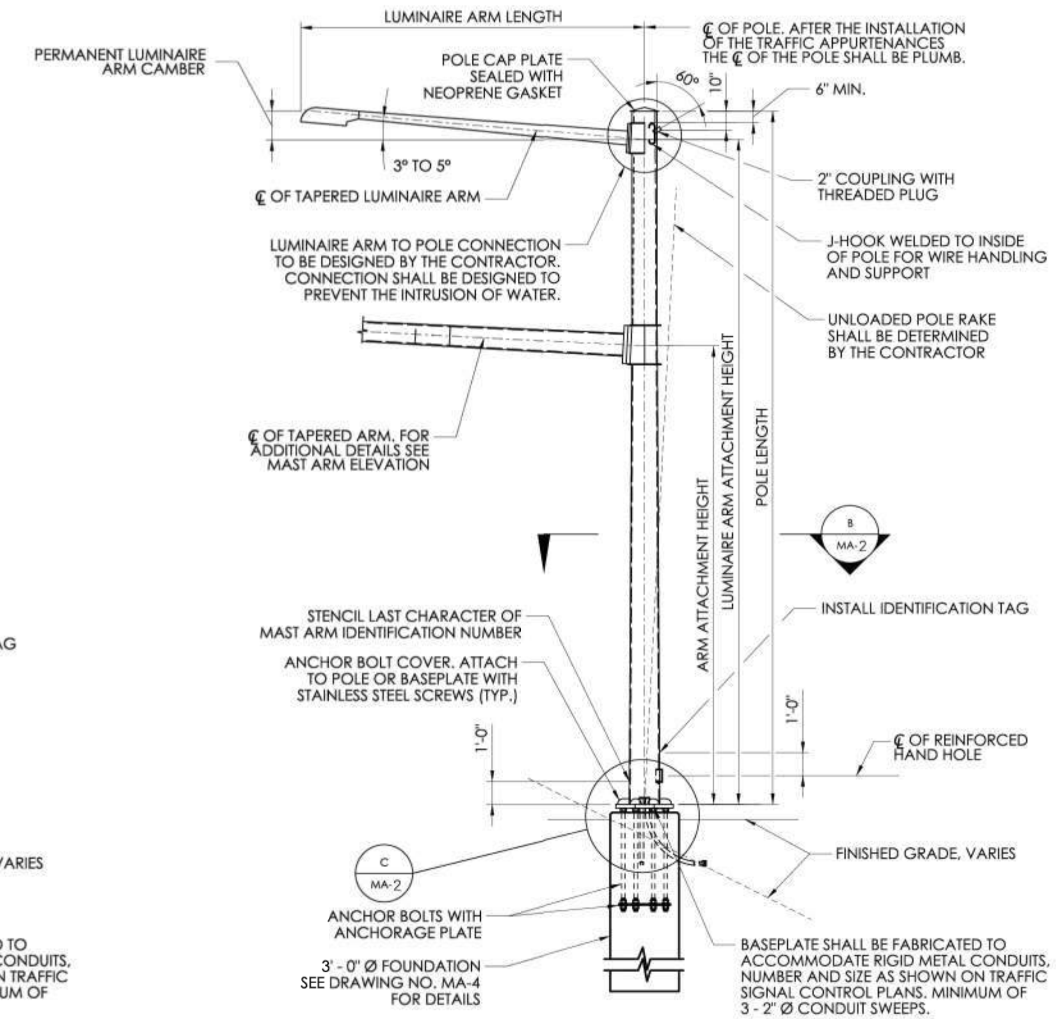
SHEET NO.

DRAWING TITLE: TRAFFIC CONTROL SIGNAL PLAN

Border Version 07/19/16



ELEVATION - MAST ARM
SCALE: 1/4"=1'-0"



ELEVATION - COMBINATION MAST ARM
SCALE: 1/4"=1'-0"

MAST ARM ASSEMBLY NOTES

THE MAST ARM ASSEMBLY, INCLUDING THE ANCHORAGE TO THE FOUNDATION, SHALL BE DESIGNED, FABRICATED AND INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH THE SPECIAL PROVISION "XX STEEL MAST ARM ASSEMBLY" OR "XX STEEL COMBINATION MAST ARM ASSEMBLY".

THE MAST ARM ASSEMBLY, INCLUDING THE ARM SPAN, ARM ORIENTATION, AND THE LOCATIONS OF THE TRAFFIC APPURTENANCES SUPPORTED BY THE STRUCTURE ARE SHOWN ON THE TRAFFIC CONTROL SIGNAL PLAN. PRIOR TO DESIGN OF EACH MAST ARM ASSEMBLY, THE CONTRACTOR SHALL PREPARE A LAYOUT DRAWING BASED ON A FIELD SURVEY AND THE CONTRACT DOCUMENTS TO VERIFY THE MAST ARM ASSEMBLY WHEN INSTALLED WILL MEET THE GEOMETRIC AND CLEARANCE REQUIREMENTS IN THE CONTRACT DOCUMENTS. IF THE REQUIREMENTS CANNOT BE MET, THE CONTRACTOR SHALL NOTIFY THE ENGINEER.

THE MAST ARM ASSEMBLIES SHALL BE DESIGNED IN ACCORDANCE WITH THE LATEST EDITION OF THE AASHTO LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, INCLUDING THE LATEST INTERIM SPECIFICATIONS, AS AMENDED BY THE SPECIAL PROVISION "XX STEEL MAST ARM ASSEMBLY" OR "XX STEEL COMBINATION MAST ARM ASSEMBLY".

THE MAST ARM ASSEMBLIES SHALL BE DESIGNED TO SUPPORT TRAFFIC APPURTENANCES WITH PROPERTIES NO LESS THAN THOSE SHOWN ON THE TRAFFIC PLANS.

REV.	DATE	DESCRIPTION	SHEET NO.
		REVISIONS	

AS NOTED

DESIGNER: WK
DRAFTER: AS
CHECKED BY: CB
APPROVED BY: CB

vhb ENGINEERS | SCIENTISTS | PLANNERS | DESIGNERS

DATE PLOTTED: Dec 23, 2023

SEAL OF THE CITY OF NEW BRITAIN, CT 1871

PROJECT TITLE: JOHN DOWNEY DRIVE AT SOUTH STREET TRAFFIC SIGNAL DESIGN

CADD MDS-43196.dwg

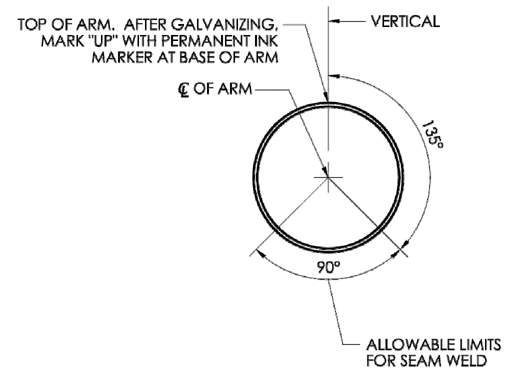
CITY: NEW BRITAIN

DRAWING TITLE: MAST ARM ASSEMBLY ELEVATION

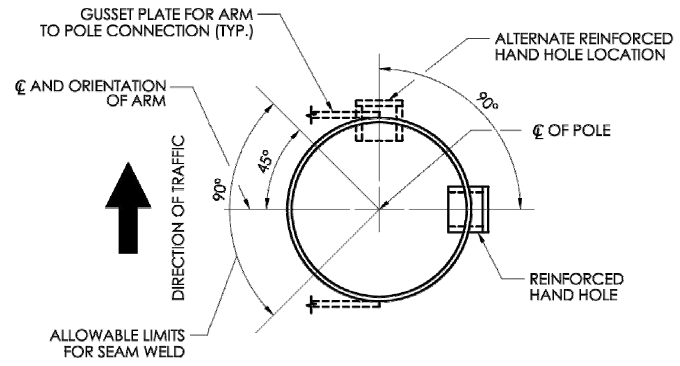
PROJECT NO.: L088-0004

DRAWING NO.: MA-01

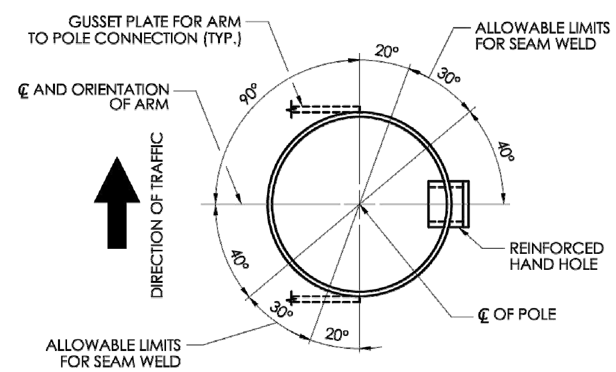
SHEET NO.:



SECTION A / MA-1
SCALE: 1 1/2" = 1'-0"

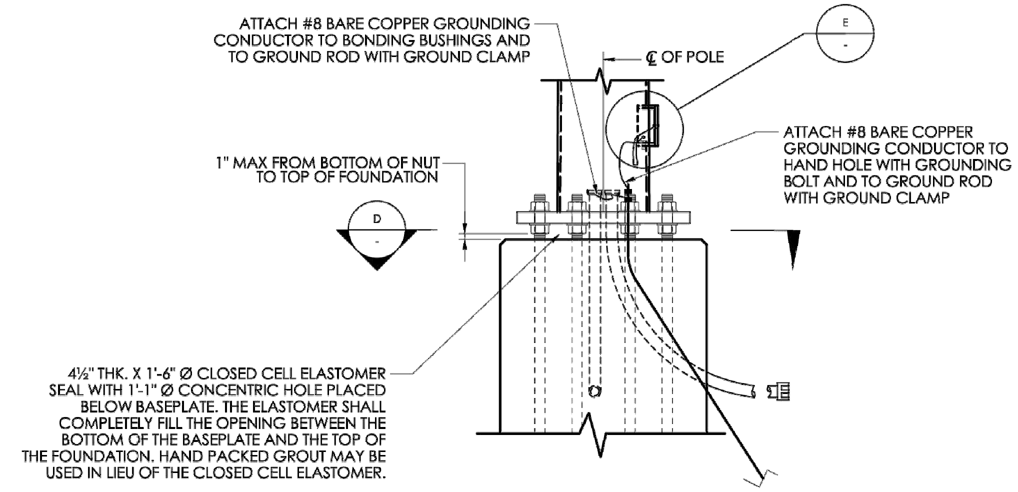


POLE WITH 1 SEAM WELD

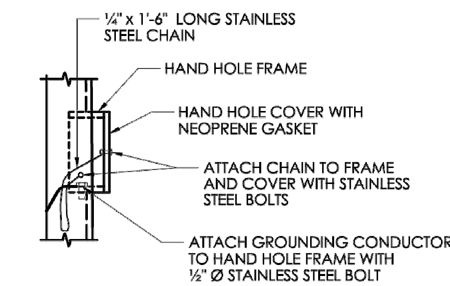


POLE WITH 2 SEAM WELD

SECTION B / MA-1
SCALE: 1 1/2" = 1'-0"



DETAIL C / MA-1
SCALE: 3/4" = 1'-0"

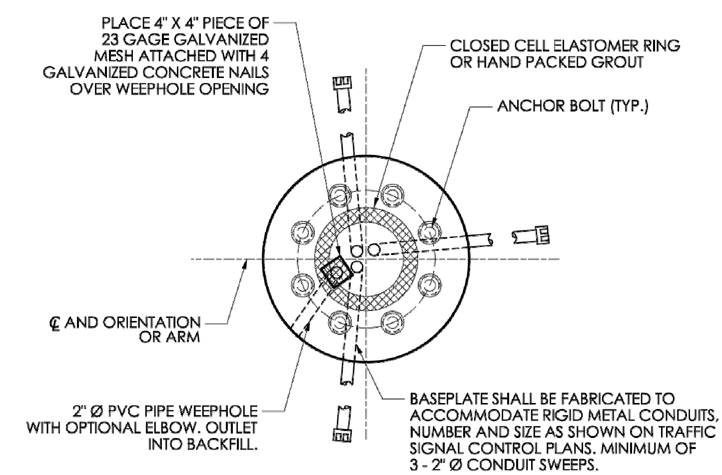


DETAIL E / -
SCALE: 1 1/2" = 1'-0"

ATTACH TAG TO POLE AND ARM WITH SELF-TAPPING TAMPER RESISTANT STAINLESS STEEL SCREWS (TYP.)

IDENTIFICATION NUMBER:
MANUFACTURER:
DATE OF MANUFACTURE: MM/YY
ARM LENGTH: IN FEET (METERS)

IDENTIFICATION TAG - N.T.S



SECTION D / -
SCALE: 3/4" = 1'-0"

REV.	DATE	DESCRIPTION	SHEET NO.
		REVISIONS	

AS NOTED

DESIGNER: WK
DRAFTER: AS
CHECKED BY: CB
APPROVED BY: CB

vhb ENGINEERS | SCIENTISTS | PLANNERS | DESIGNERS

DATE PLOTTED: Dec 23, 2023

PROJECT TITLE: JOHN DOWNEY DRIVE AT SOUTH STREET TRAFFIC SIGNAL DESIGN

CADD MDS-43196.dwg

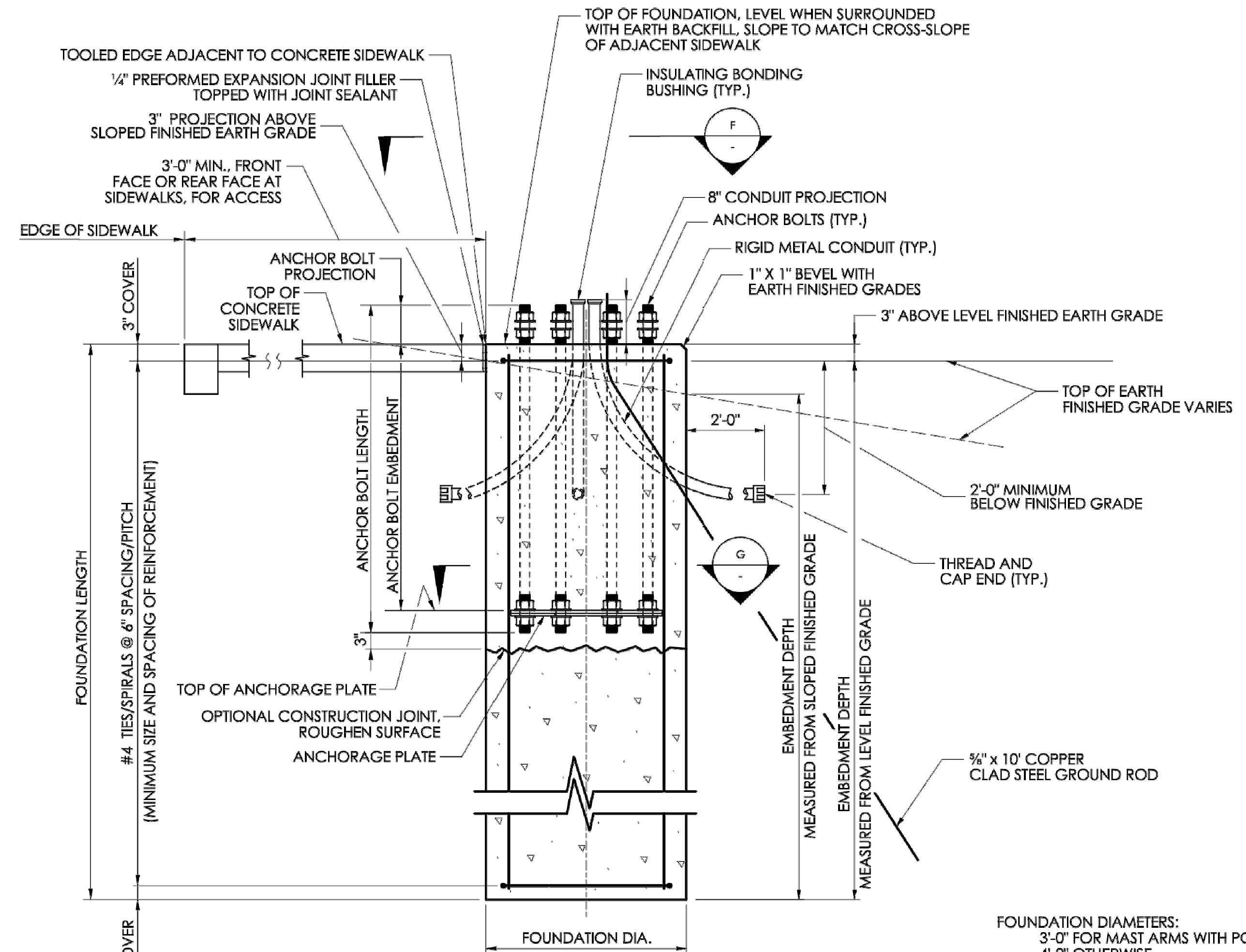
CITY: NEW BRITAIN

DRAWING TITLE: MAST ARM ASSEMBLY DETAILS

PROJECT NO.: L088-0004

DRAWING NO.: MA-02

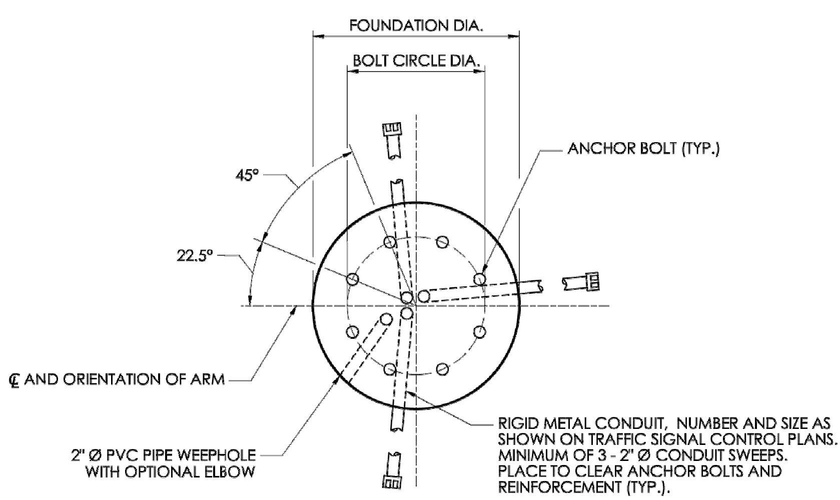
SHEET NO.:



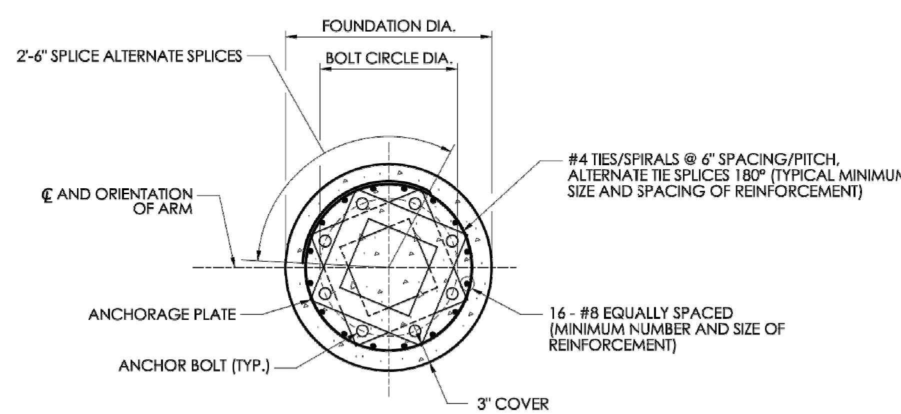
FOUNDATION DETAIL
SCALE: 3/4"=1'-0"

FOUNDATION DIAMETERS:
3'-0" FOR MAST ARMS WITH POLE DIAMETERS AT THE BASE LESS THAN OR EQUAL TO 1'-6"
4'-0" OTHERWISE

BOLT CIRCLE DIAMETERS:
DIAMETER OF THE POLE AT THE BASE PLUS 6" ± 1"



SECTION F
SCALE: 3/4" = 1'-0"



SECTION G
SCALE: 3/4" = 1'-0"

FOUNDATION NOTES

THE DRILLED SHAFT FOUNDATION FOR THE MAST ARM ASSEMBLY SHALL BE DESIGNED, FABRICATED, AND CONSTRUCTED BY THE CONTRACTOR IN ACCORDANCE WITH THE SPECIAL PROVISION "TRAFFIC CONTROL FOUNDATION - MAST ARM".

THE FOUNDATION SHALL BE DESIGNED FOR THE SOILS AND ROCK PROPERTIES BASED ON THE SUBSURFACE CONDITIONS (CHARACTER OF THE SOIL AND ROCK, PRESENCE OF GROUND WATER, ETC.) IN THE LOCATION OF, ADJACENT TO AND BELOW THE DRILLED SHAFT FOUNDATION EXCAVATION. THE NEED AND EXTENT OF ALL SUBSURFACE EXPLORATIONS AND INVESTIGATIONS SHALL BE DETERMINED BY THE CONTRACTOR.

THE DESIGN OF THE FOUNDATION SHALL BE COORDINATED WITH THE MAST ARM ASSEMBLY AND THE MAST ARM ANCHORAGE TO ENSURE THAT THE FOUNDATION IS ADEQUATE FOR THE MAST ARM REACTIONS AND TO AVOID CONFLICTS BETWEEN THE EMBEDDED MAST ARM ANCHORAGE AND THE FOUNDATION REINFORCEMENT.

THE CONCRETE FOR THE FOUNDATION SHALL CONFORM TO CLASS PCC04460. THE COMPRESSIVE STRENGTH, f'c, USED IN DESIGN OF THE FOUNDATION SHALL BE 4,000 PSI. THE COMPRESSIVE STRENGTH OF THE CONCRETE IN THE CONSTRUCTED FOUNDATION SHALL CONFORM TO THE REQUIREMENTS OF 6.01 - CONCRETE FOR STRUCTURES AND M.03 - PORTLAND AND HYDRAULIC CEMENT CONCRETE.

THE REINFORCEMENT SHALL BE UNCOATED AND CONFORM TO ASTM A615, GRADE 60. THE REINFORCEMENT SHALL BE ASSEMBLED WITH WIRE TIES. WELDING TO ASSEMBLE REINFORCEMENT IS NOT PERMITTED. ALL REINFORCEMENT SHALL HAVE 3" COVER, UNLESS OTHERWISE NOTED.

THE CONCRETE SHALL BE PLACED IN THE EXCAVATION AGAINST UNDISTURBED EARTH.

THE MAST ARM SHALL NOT BE ERECTED ON THE FOUNDATION UNTIL THE CONCRETE IN THE SHAFT HAS ATTAINED A COMPRESSIVE STRENGTH, f'c, GREATER THAN OR EQUAL TO 4000 PSI.

THE COST OF THE FOUNDATION, INCLUDING THE EXCAVATION, CONCRETE, REINFORCEMENT, CASING AND WEEPHOLES, INCLUDING THE DESIGN AND FABRICATION, TO BE INCLUDED FOR PAYMENT UNDER THE ITEM "TRAFFIC CONTROL FOUNDATION - MAST ARM".

WHERE AN EXISTING CONCRETE SIDEWALK ABUTTING A FOUNDATION IS DAMAGED OR CUT DURING INSTALLATION, REPLACE THE ENTIRE SECTION. ALL SIDEWALK REPLACED DUE TO FOUNDATION INSTALLATION SHALL BE PAID FOR UNDER THE ITEM "CONCRETE SIDEWALK".

THE COST OF PREFORMED EXPANSION JOINT FILLER AND JOINT SEALANT SHALL BE INCLUDED FOR PAYMENT UNDER THE ITEM "CONCRETE SIDEWALK".

REV.	DATE	DESCRIPTION	SHEET NO.
		REVISIONS	

AS NOTED

DESIGNER: WK
DRAFTER: AS
CHECKED BY: CB
APPROVED BY: CB

ENGINEERS | SCIENTISTS | PLANNERS | DESIGNERS

DATE PLOTTED: Dec 23, 2023

PROJECT TITLE: JOHN DOWNEY DRIVE AT SOUTH STREET TRAFFIC SIGNAL DESIGN

CADD MDS-43196.dwg

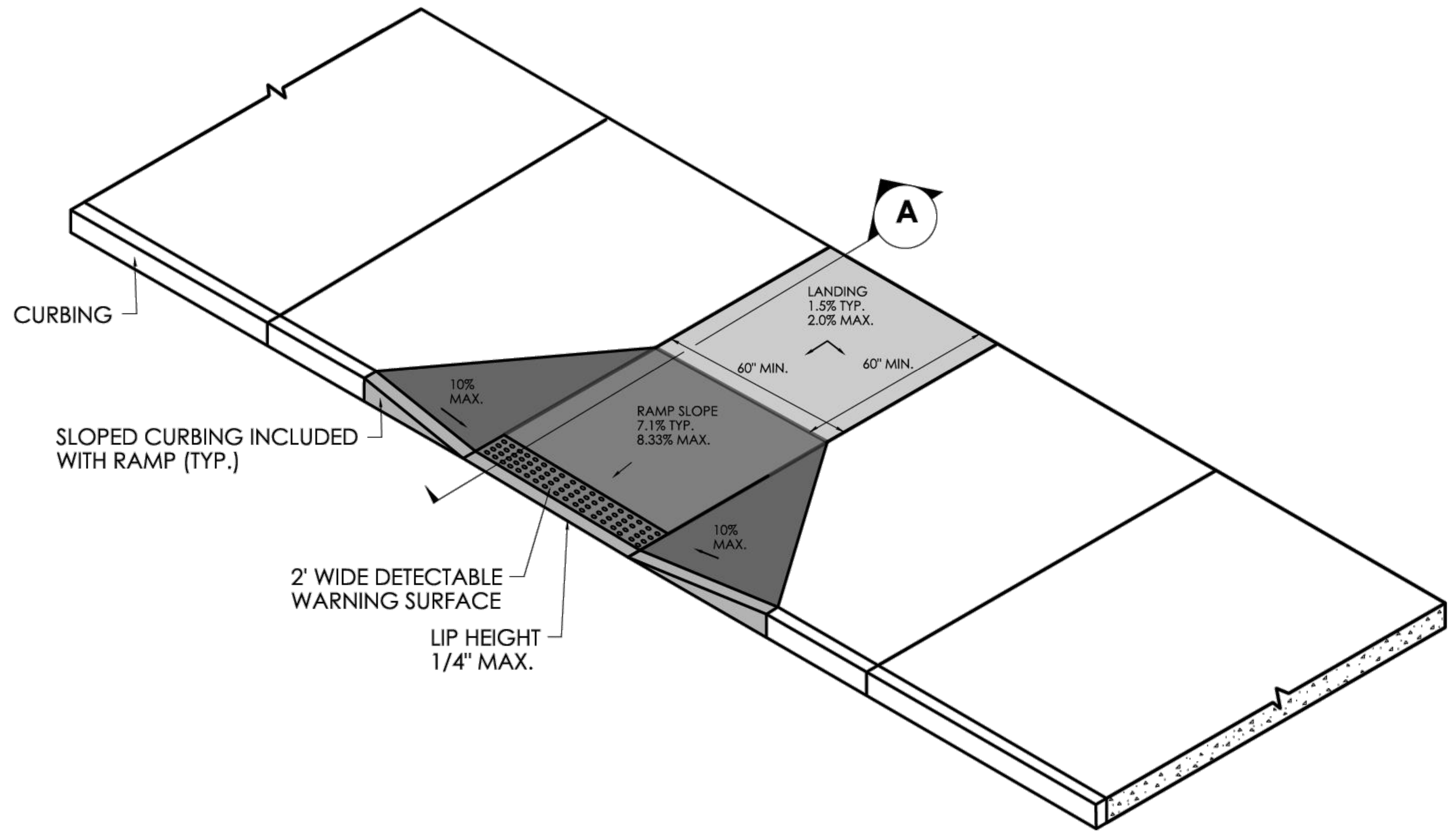
CITY: NEW BRITAIN

DRAWING TITLE: MAST ARM ASSEMBLY ELEVATION FOUNDATION DETAILS

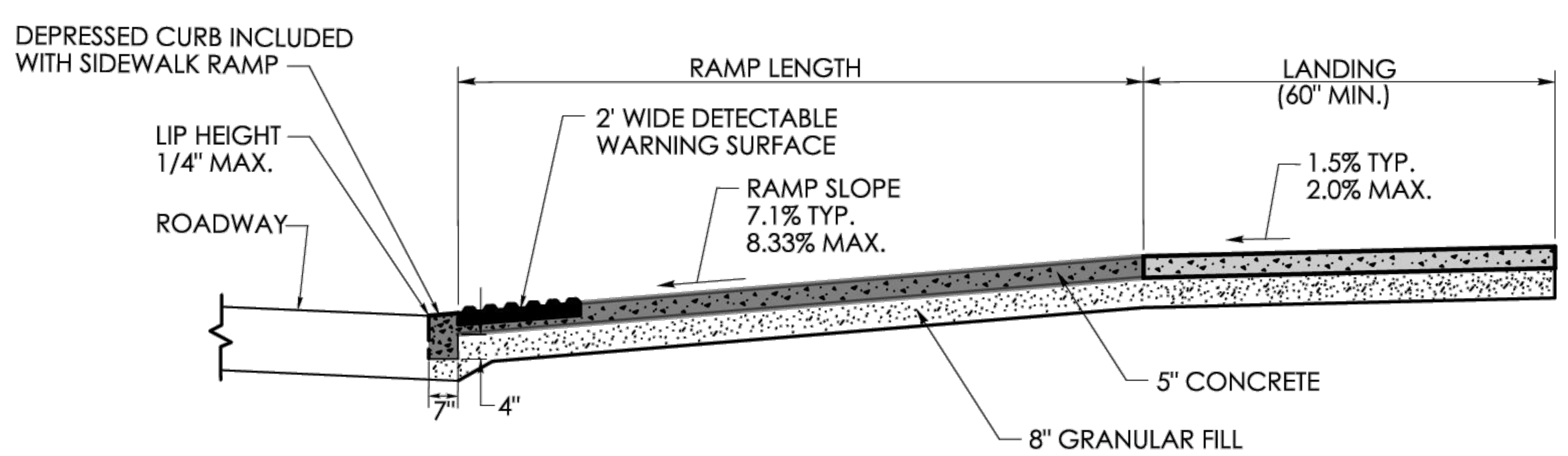
PROJECT NO.: L088-0004
DRAWING NO.: MA-03
SHEET NO.:

GENERAL NOTES:

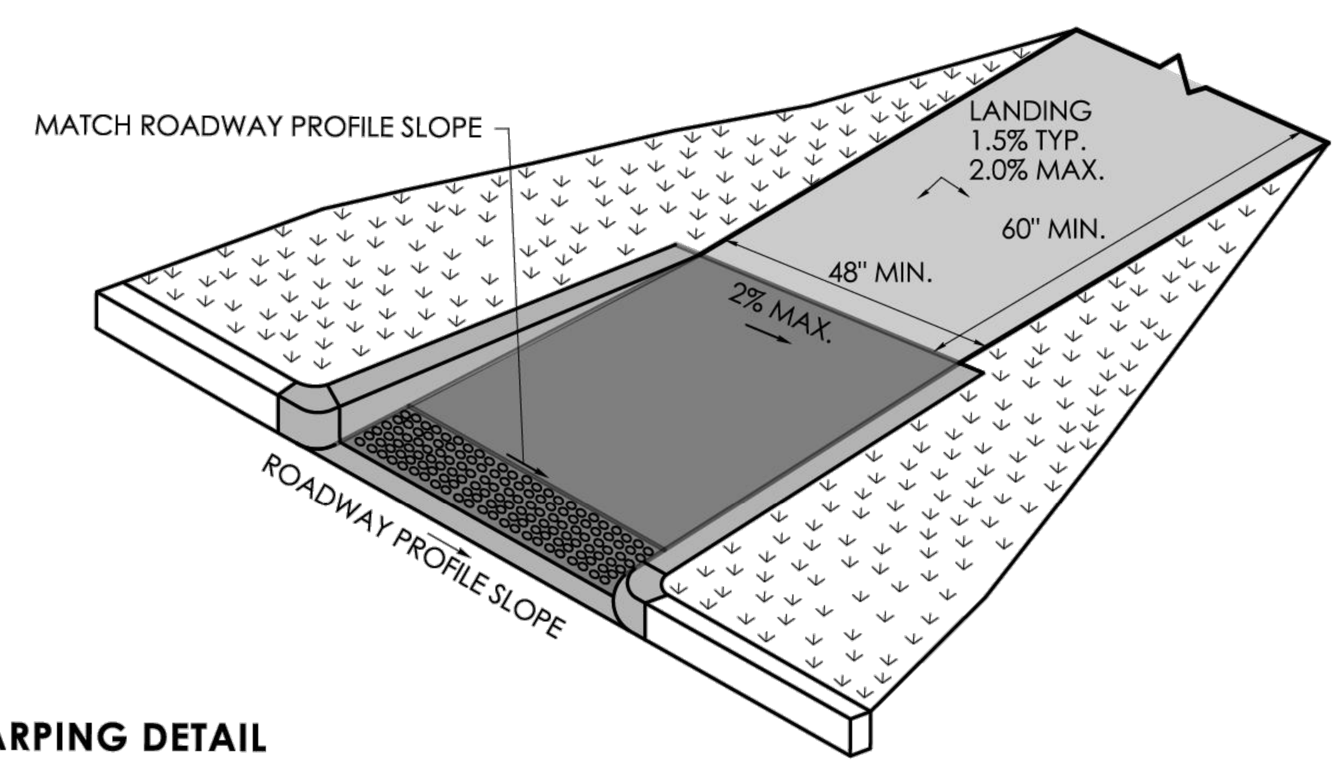
1. SIDEWALK RAMPS SHALL HAVE A COARSE BROOM FINISH TRANSVERSE TO THE SLOPE OF THE RAMP.
2. VERTICAL SURFACE DISCONTINUITIES AT JOINTS SHALL NOT EXCEED ¼ INCH.
3. REMOVAL OF EXISTING SIDEWALK FOR NEW RAMP INSTALLATIONS SHALL BE TO THE NEAREST EXPANSION OR CONTRACTION JOINT.
4. THE RUNNING SLOPE OF THE CURB RAMP SHALL BE 8.33 PERCENT MAXIMUM BUT SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET.



PERPENDICULAR SIDEWALK RAMP AND SECTION

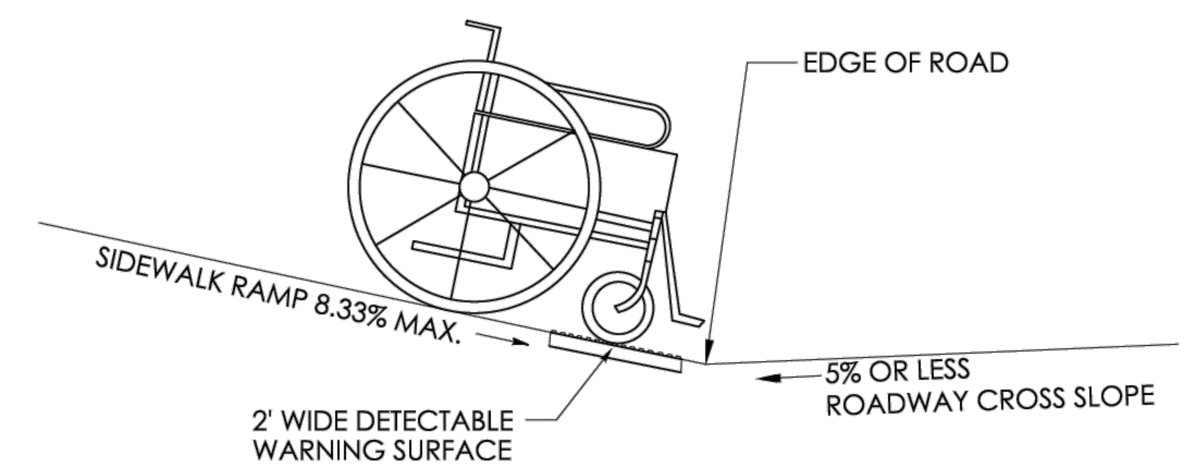


SECTION A

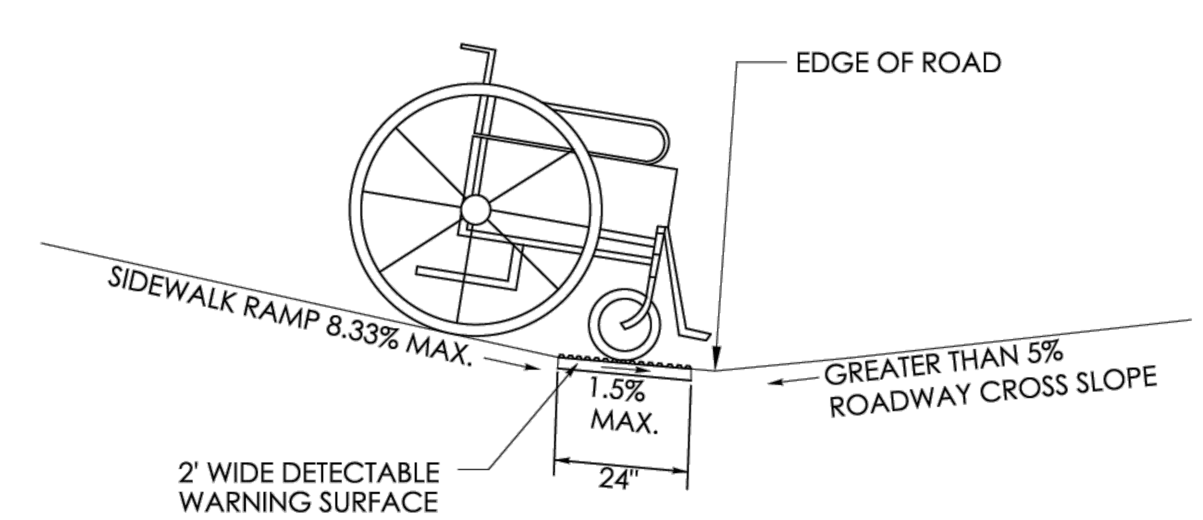


RAMP WARPING DETAIL

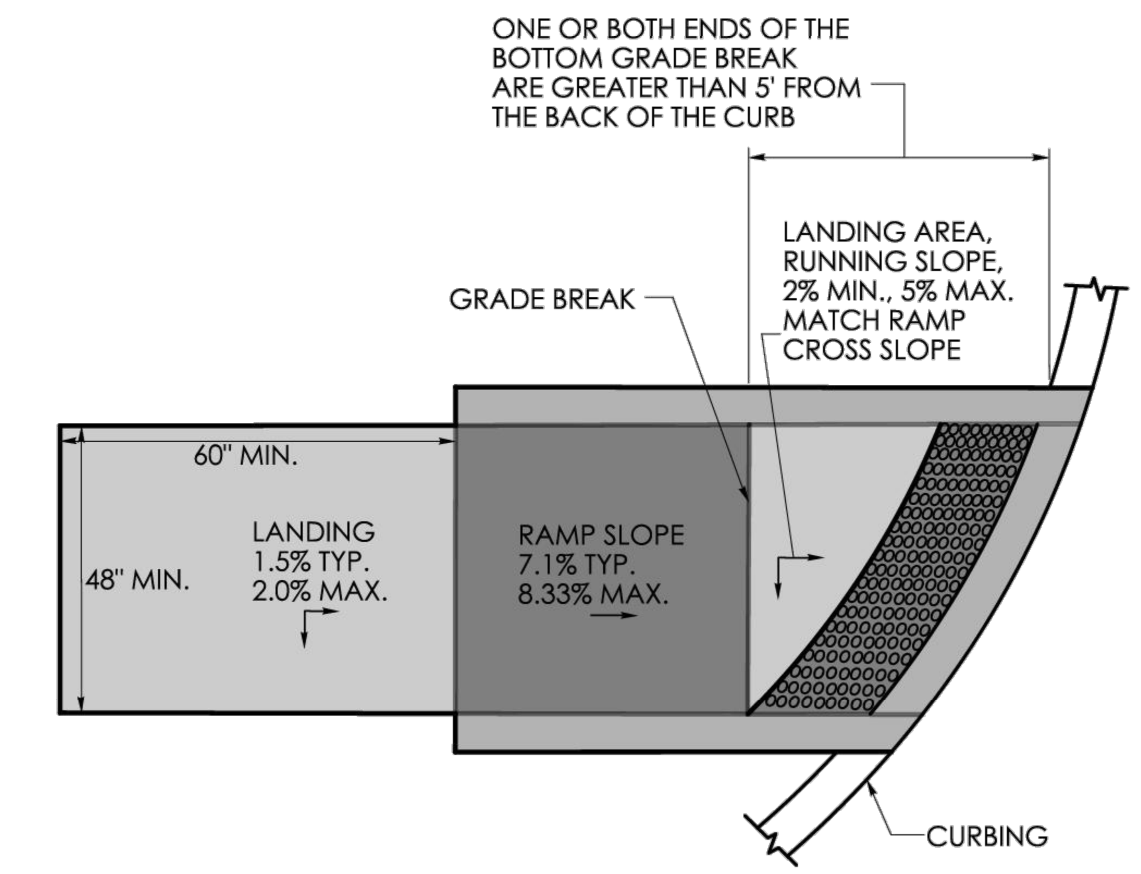
1. TRANSITION SIDEWALK RAMP TO MATCH ROADWAY PROFILE AS GRADUALLY AS POSSIBLE. DO NOT EXCEED 3 % PER FOOT CROSS SLOPE RATE OF CHANGE WHEN TRANSITIONING TO ROADWAY PROFILE.
2. COMPLETE TRANSITION TO ROADWAY PROFILE BEHIND DETECTABLE WARNING SURFACE.



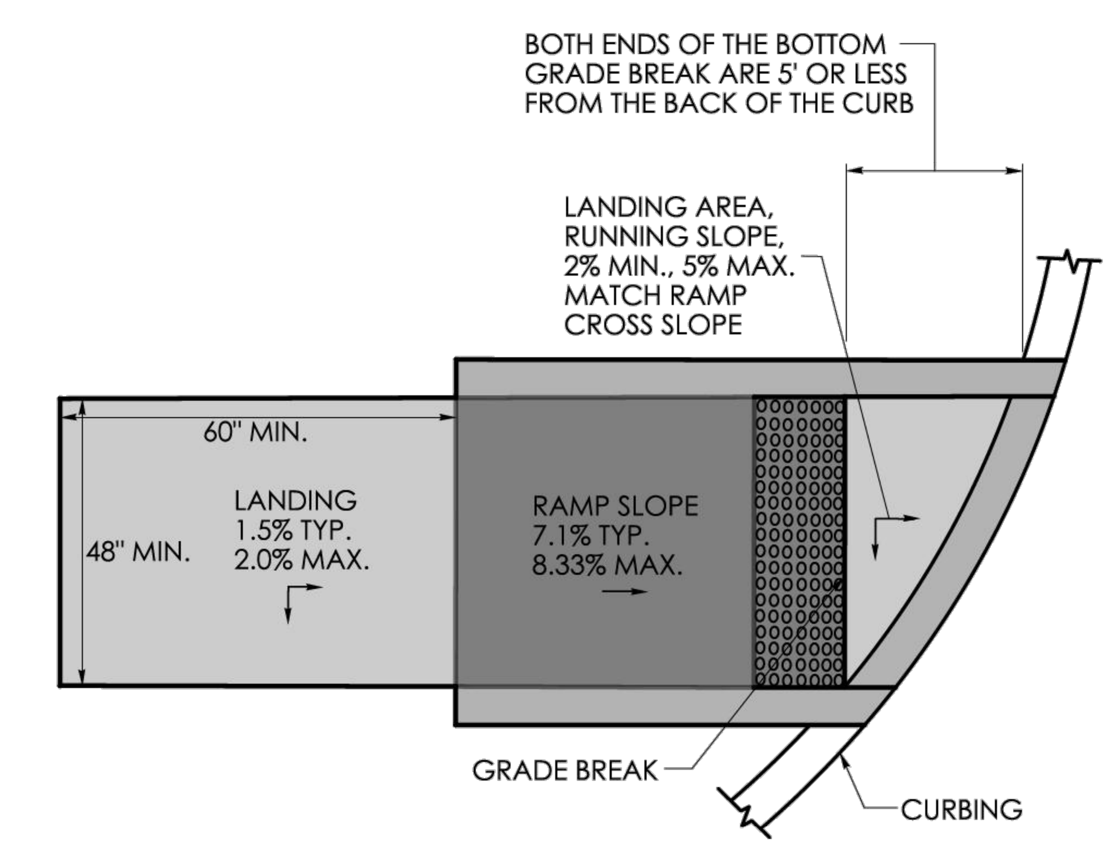
SIDEWALK RAMP GRADE AT ROADWAY CROSS SLOPE OF 5% OR LESS GUTTER COUNTER SLOPE



SIDEWALK RAMP GRADE AT ROADWAY CROSS SLOPE OF GREATER THAN 5% GUTTER COUNTER SLOPE



GRADE BREAK GREATER THAN 5' DETECTABLE WARNING SURFACE LOCATION



GRADE BREAK OF 5' OR LESS DETECTABLE WARNING SURFACE LOCATION

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27 WEST MAIN STREET
NEW BRITAIN, CT 06051
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING

SEAL OF THE CITY OF NEW BRITAIN, CT. 1871

PROJECT TITLE: JOHN DOWNEY DRIVE CORRIDOR IMPROVEMENTS

DRAWING TITLE: CONCRETE SIDEWALK RAMPS

DRAWN BY: J. OUTLAW

CHECKED BY: R. TROTTIER

SCALE: NOT TO SCALE

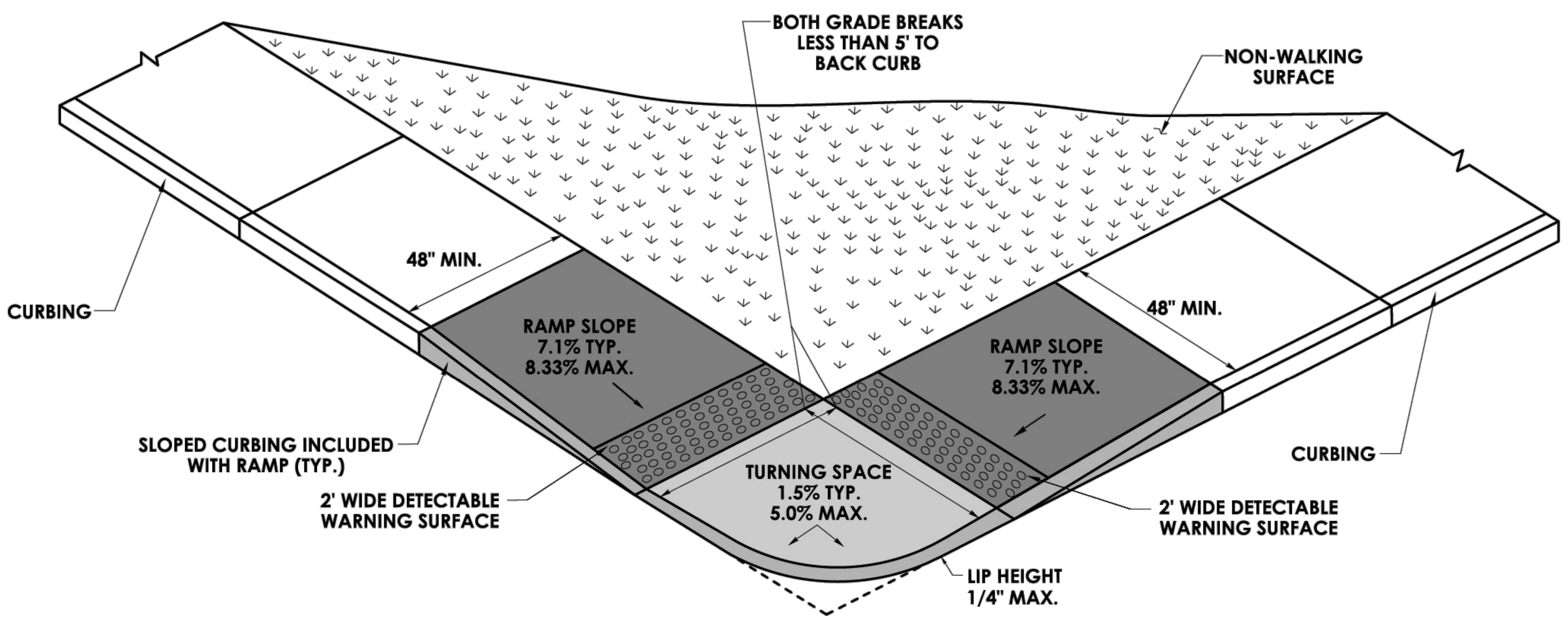
REV.	DATE	REVISION DESCRIPTION

FILENAME: PS-88L-004-RMP-01.dwg

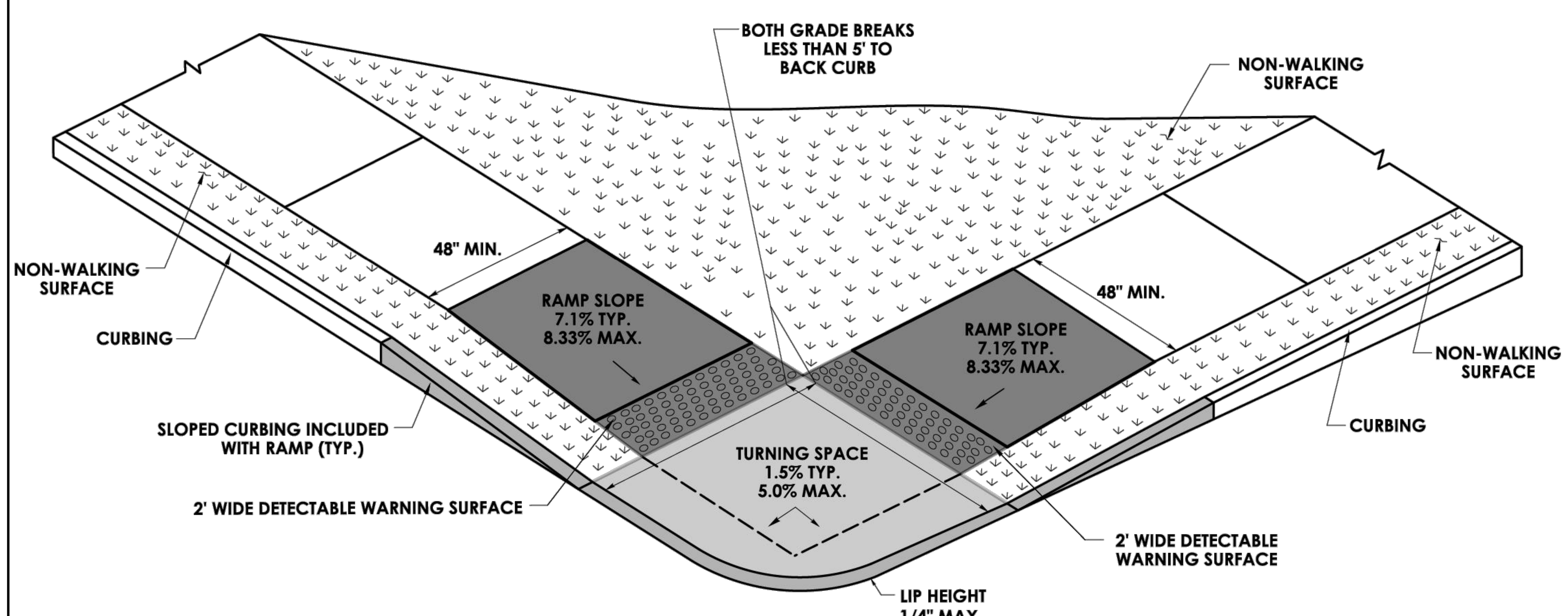
DATE: December 29, 2023

PROJECT NUMBER: L088-0004

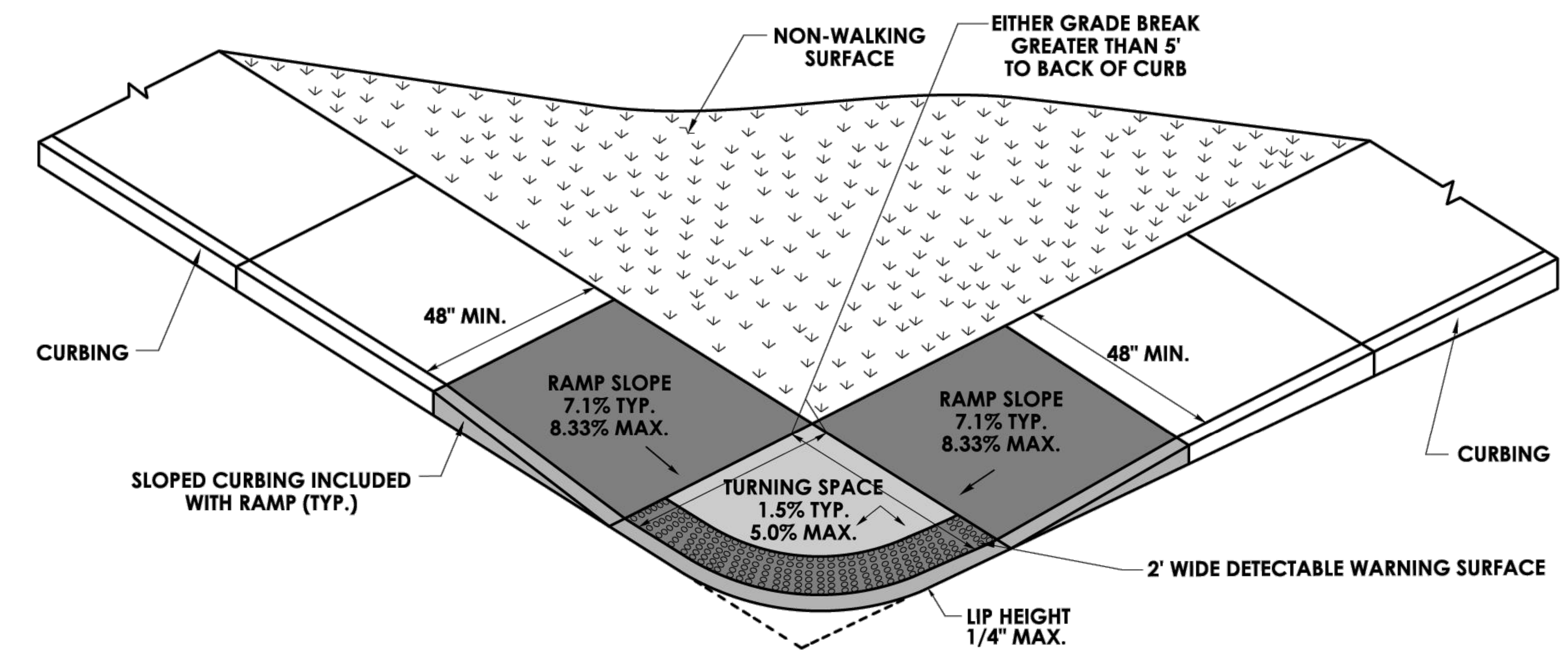
DRAWING NUMBER: RMP-01



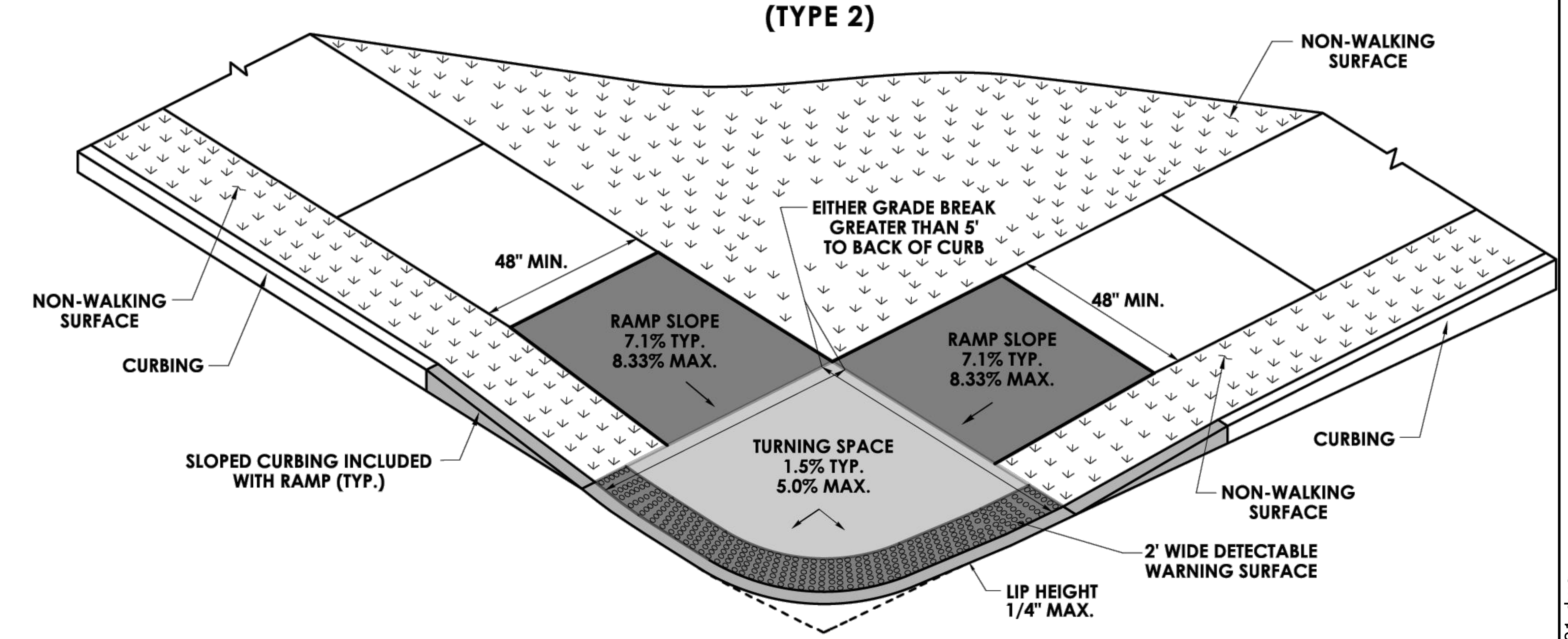
PERPENDICULAR RAMP
WITH A GRADE BREAK TO BACK OF CURB OF 5' OR LESS
(TYPE 1)



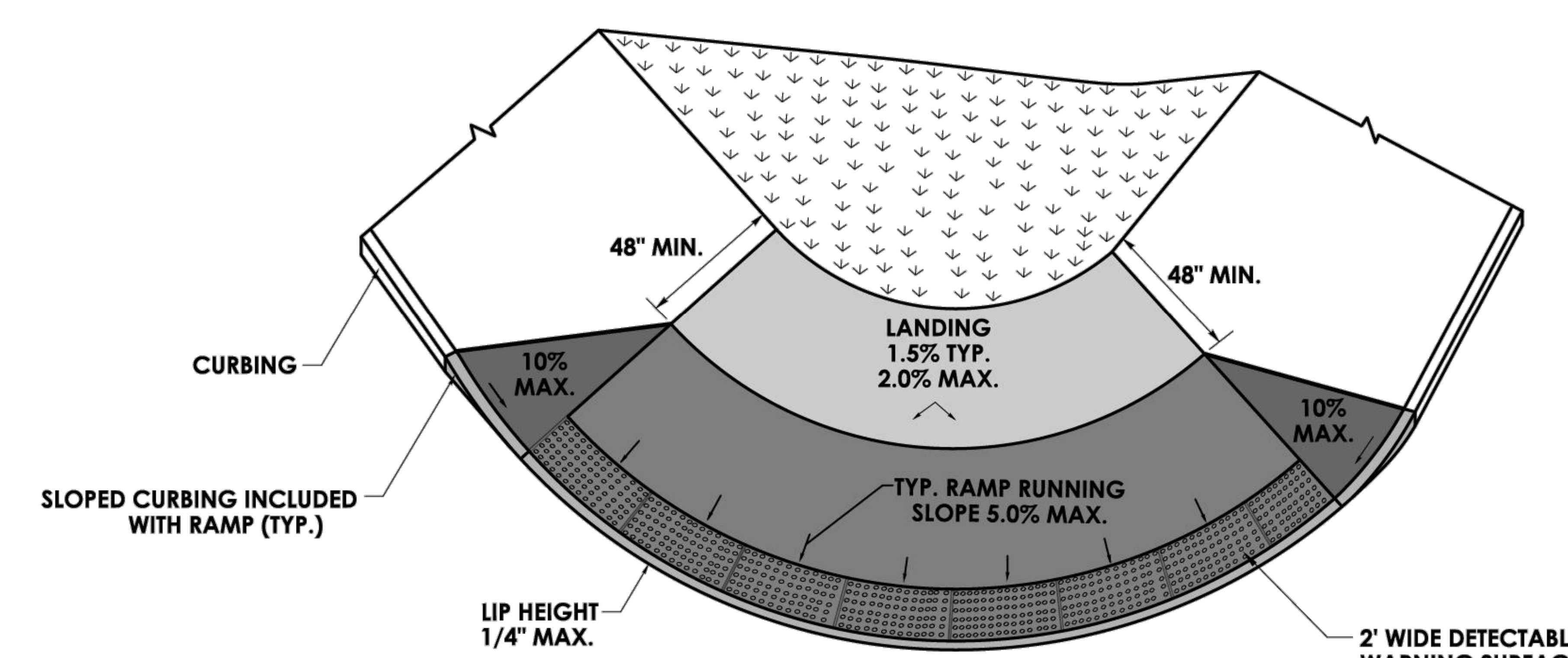
PERPENDICULAR RAMP
WITH A GRADE BREAK
TO BACK OF CURB OF 5' OR LESS
WITH NON-WALKING SURFACE
(TYPE 3)



BLENDED TRANSITION
WITH GRADE BREAK TO BACK OF CURB GREATER THAN 5'
(TYPE 2)



BLENDED TRANSITION
WITH A GRADE BREAK
TO BACK OF CURB GREATER THAN 5'
WITH NON-WALKING SURFACE
(TYPE 4)



BLENDED TRANSITION
WITH LANDING AT TOP
(TYPE 5)

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PROJECT TITLE
JOHN DOWNEY DRIVE
CORRIDOR IMPROVEMENTS

DRAWING TITLE
CONCRETE SIDEWALK RAMPS

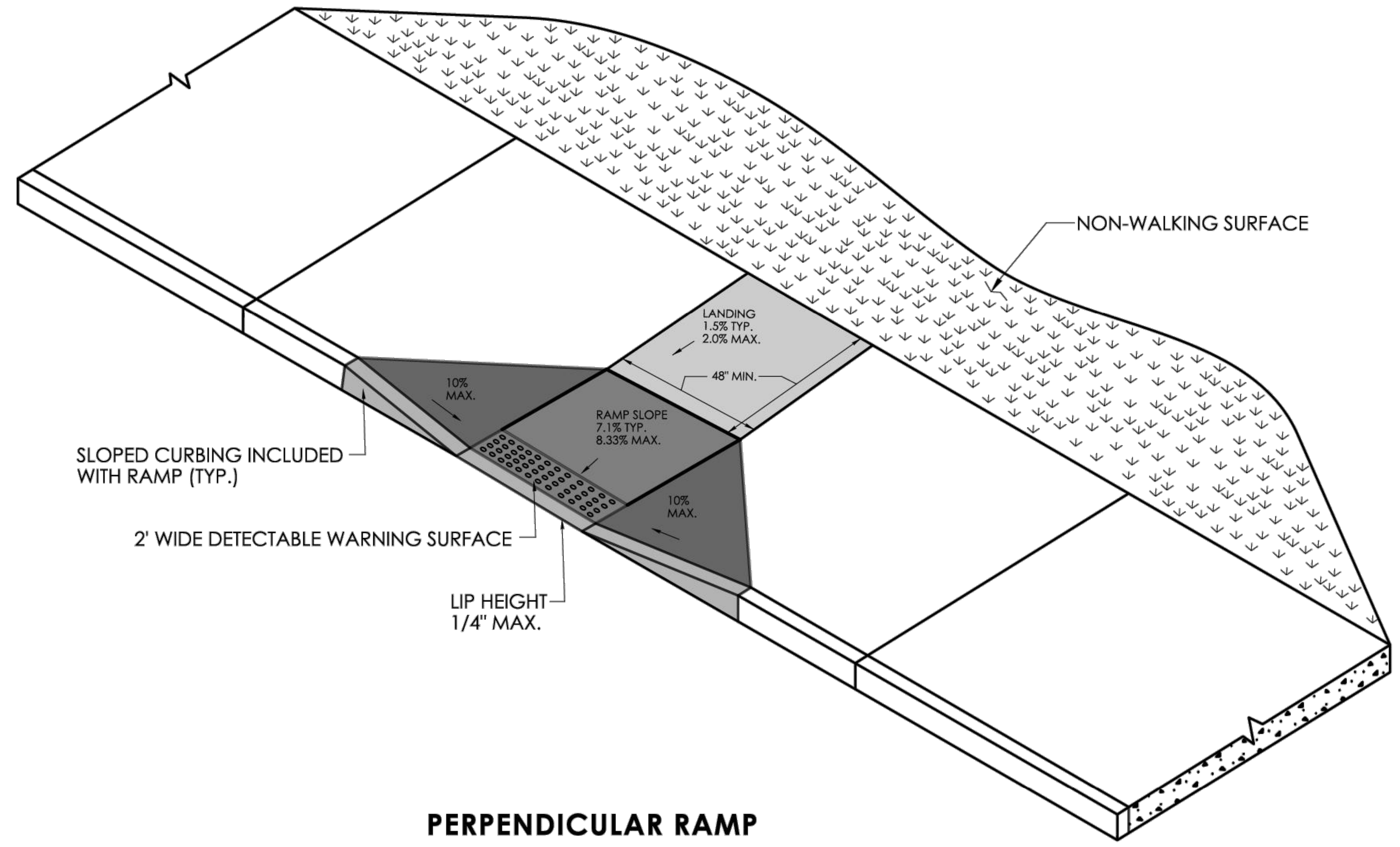
FILENAME: PS-88L-004-RMP-01.dwg

DRAWN BY J. OUTLAW
CHECKED BY R. TROTTIER
SCALE NOT TO SCALE

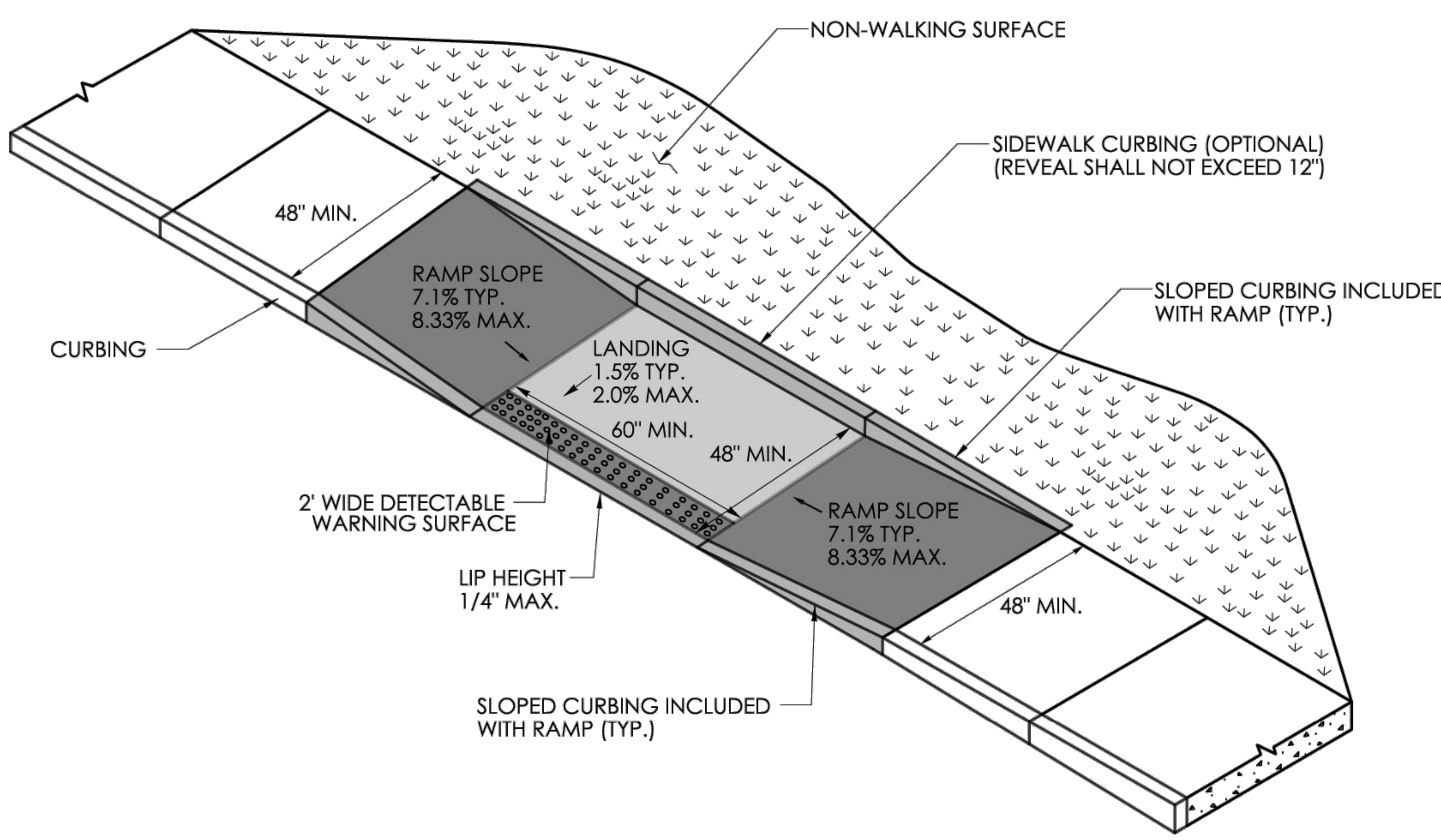
REV.	DATE	REVISION DESCRIPTION

DATE: December 29, 2023

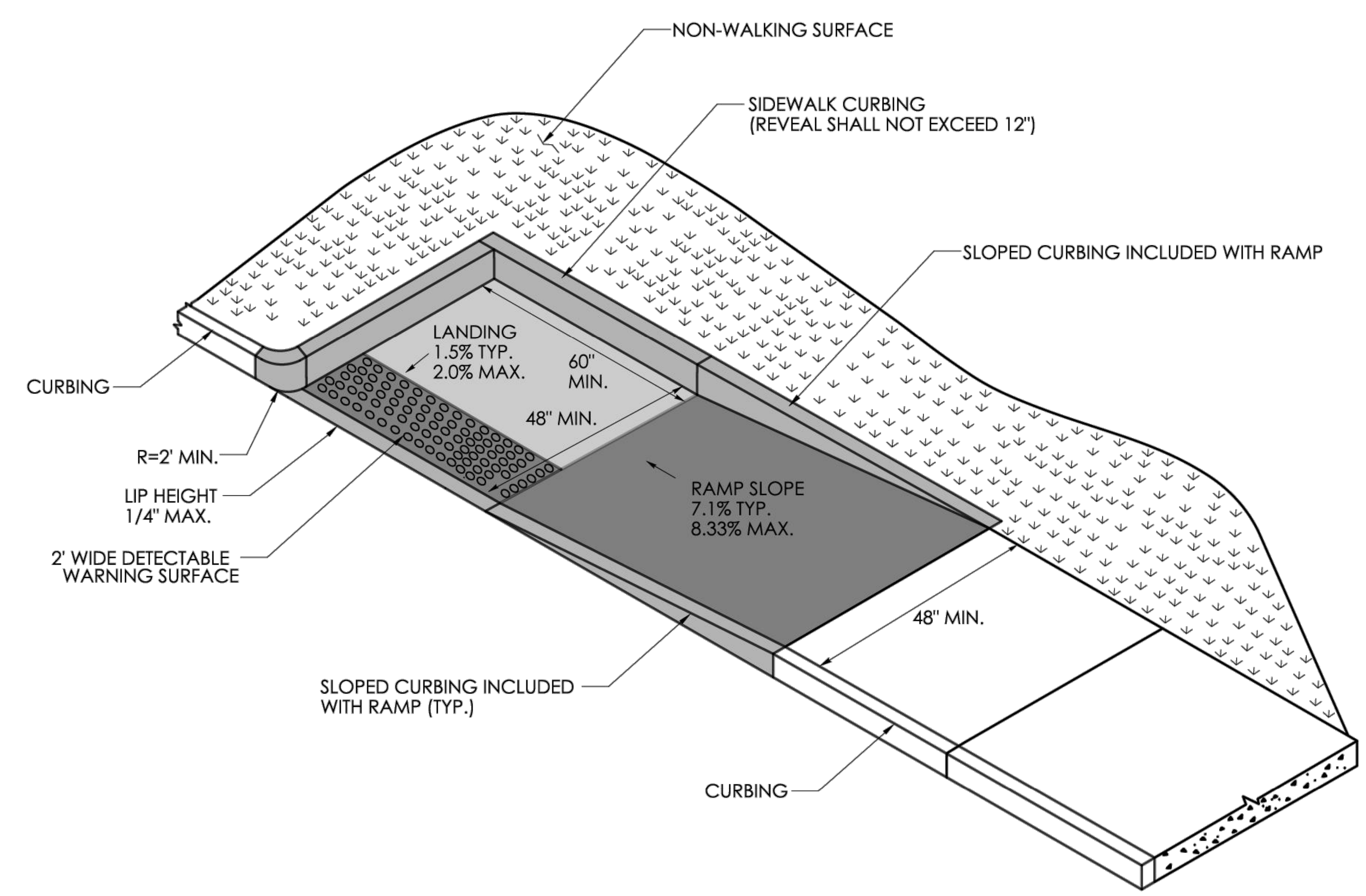
PROJECT NUMBER L088-0004
DRAWING NUMBER RMP-02



PERPENDICULAR RAMP
WITH 48" BY-PASS
(TYPE 8)



PARALLEL RAMP WITHOUT
NON-WALKING SURFACE
(TYPE 9)



PARALLEL RAMP
WITH LANDING AT BOTTOM ON CORNER
(TYPE 10)

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DEPARTMENT OF PUBLIC WORKS
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SEAL OF THE CITY OF NEW BRITAIN, CT. 1871

PROJECT TITLE: JOHN DOWNEY DRIVE CORRIDOR IMPROVEMENTS

DRAWING TITLE: CONCRETE SIDEWALK RAMPS

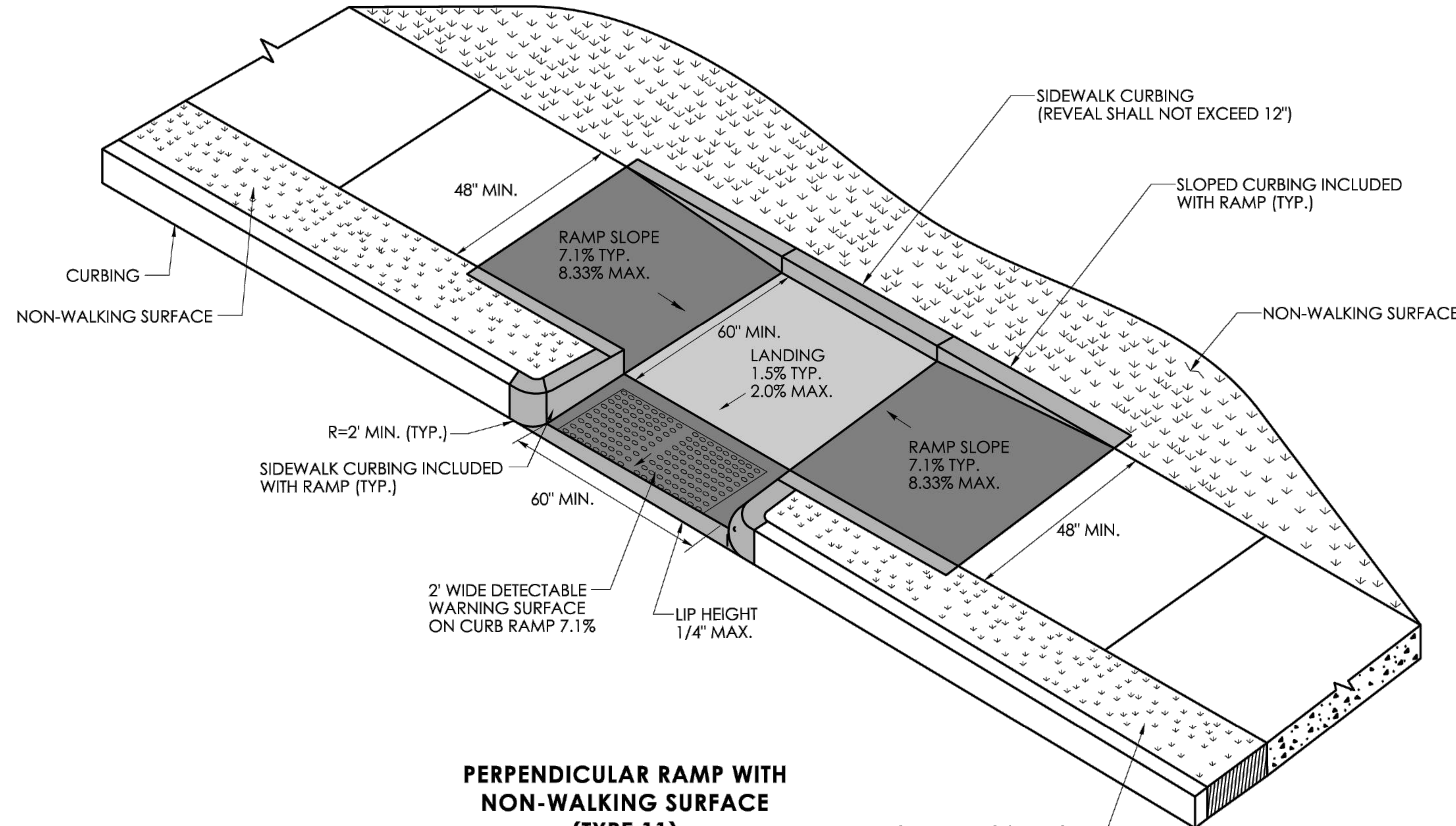
DRAWN BY: J. OUTLAW
CHECKED BY: R. TROTTIER

SCALE: NOT TO SCALE

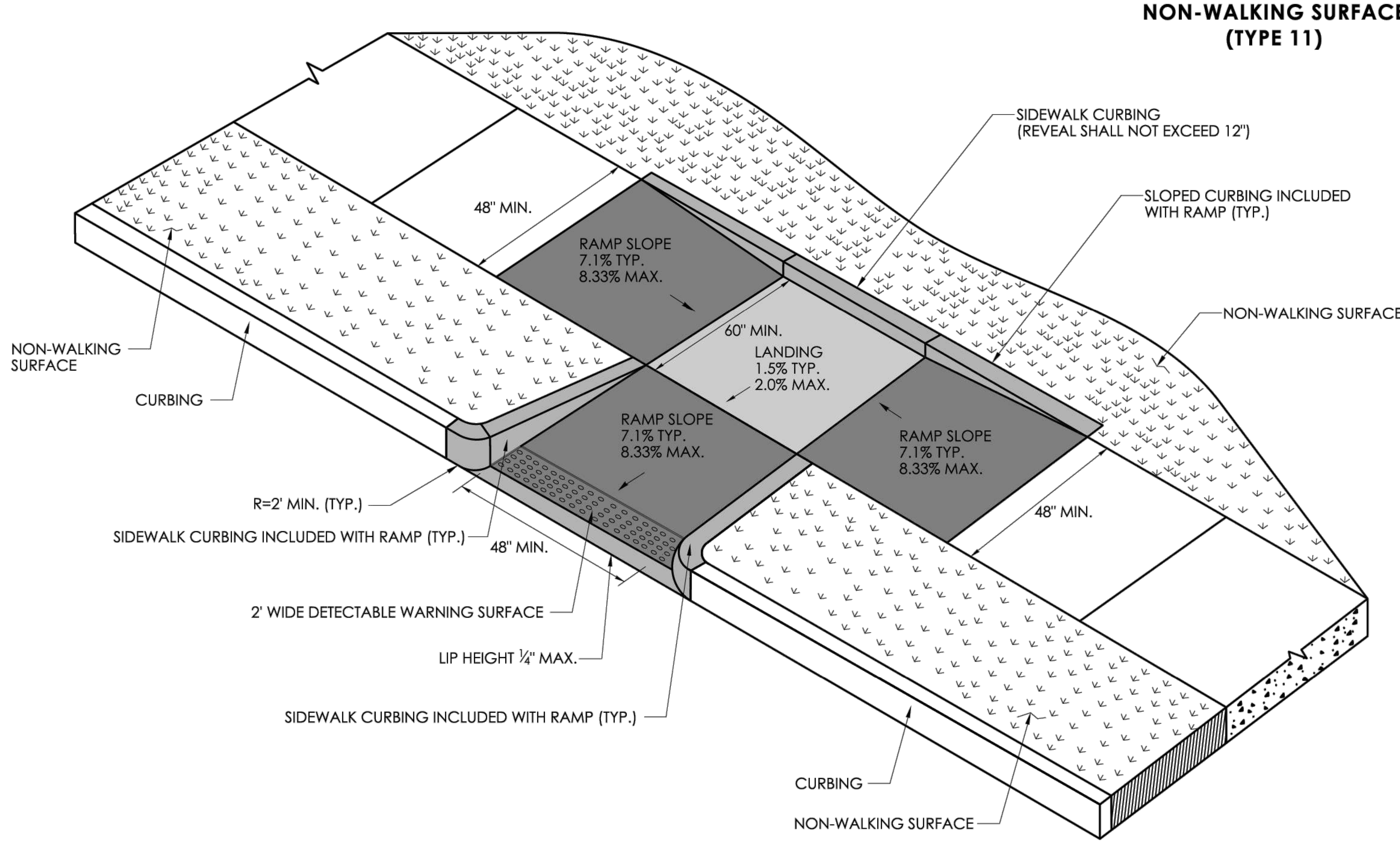
REV.	DATE	REVISION DESCRIPTION

FILENAME: PS-88L-004-RMP-01.dwg
DATE: December 29, 2023

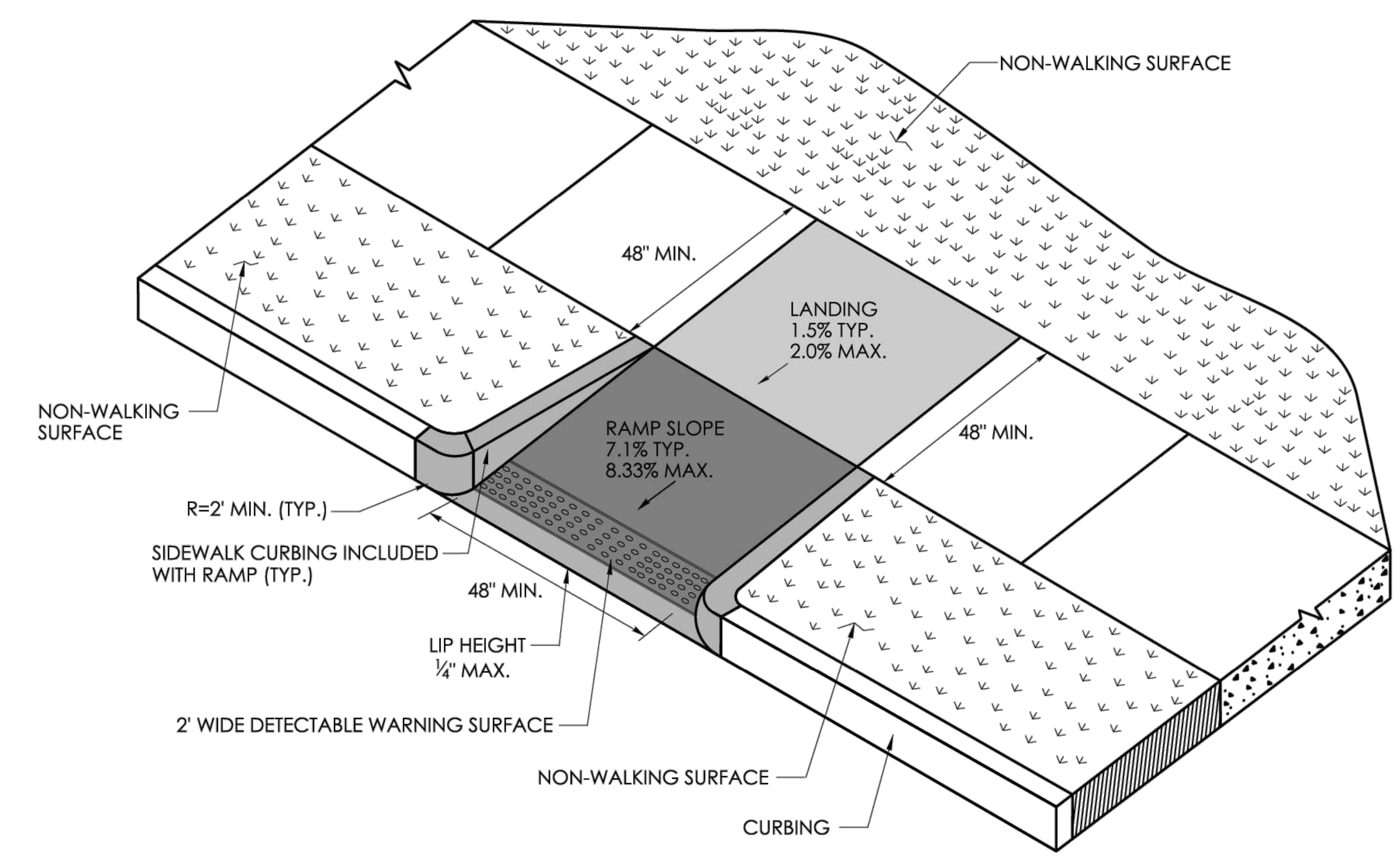
PROJECT NUMBER: L088-0004
DRAWING NUMBER: RMP-03



PERPENDICULAR RAMP WITH NON-WALKING SURFACE (TYPE 11)



PERPENDICULAR RAMP WITH SIDEWALK CURB AND NON-WALKING SURFACE (TYPE 12)



PERPENDICULAR RAMP WITH NON-WALKING SURFACE (TYPE 13)

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SEAL OF THE CITY OF NEW BRITAIN, CT. 1871

PROJECT TITLE: JOHN DOWNEY DRIVE CORRIDOR IMPROVEMENTS

DRAWING TITLE: CONCRETE SIDEWALK RAMPS

DRAWN BY: J. OUTLAW

CHECKED BY: R. TROTTIER

SCALE: NOT TO SCALE

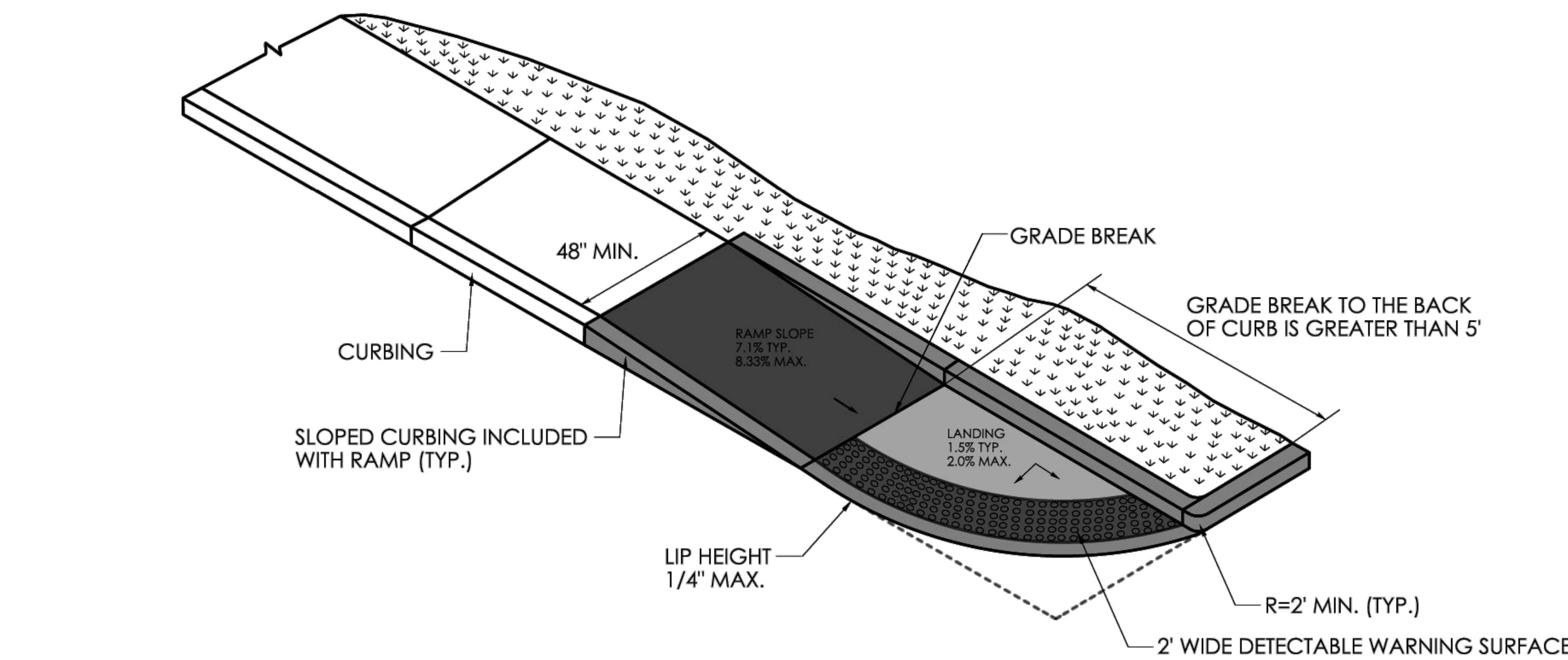
FILENAME: PS-88L-004-RMP-01.dwg

DATE: December 29, 2023

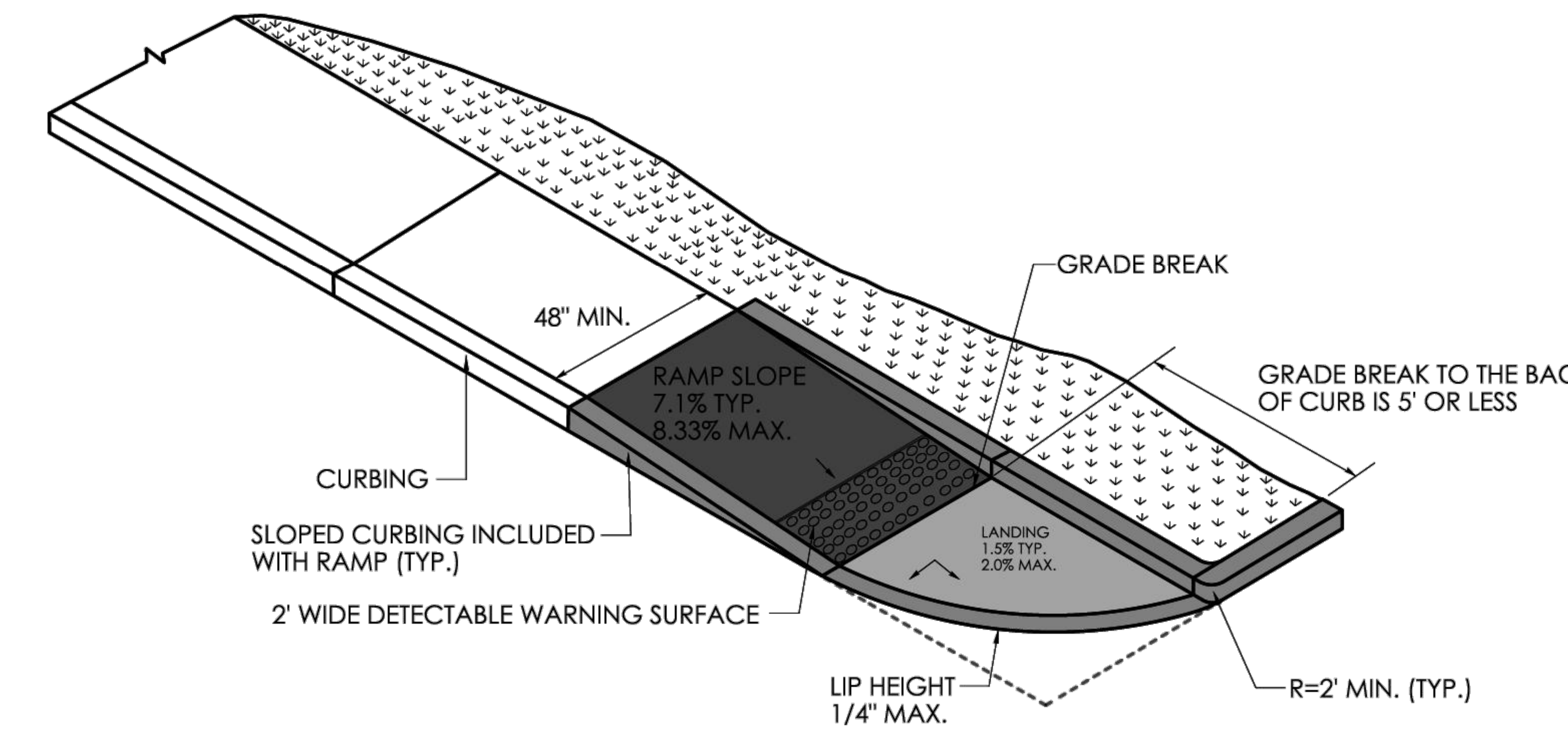
REV.	DATE	REVISION DESCRIPTION

PROJECT NUMBER: L088-0004

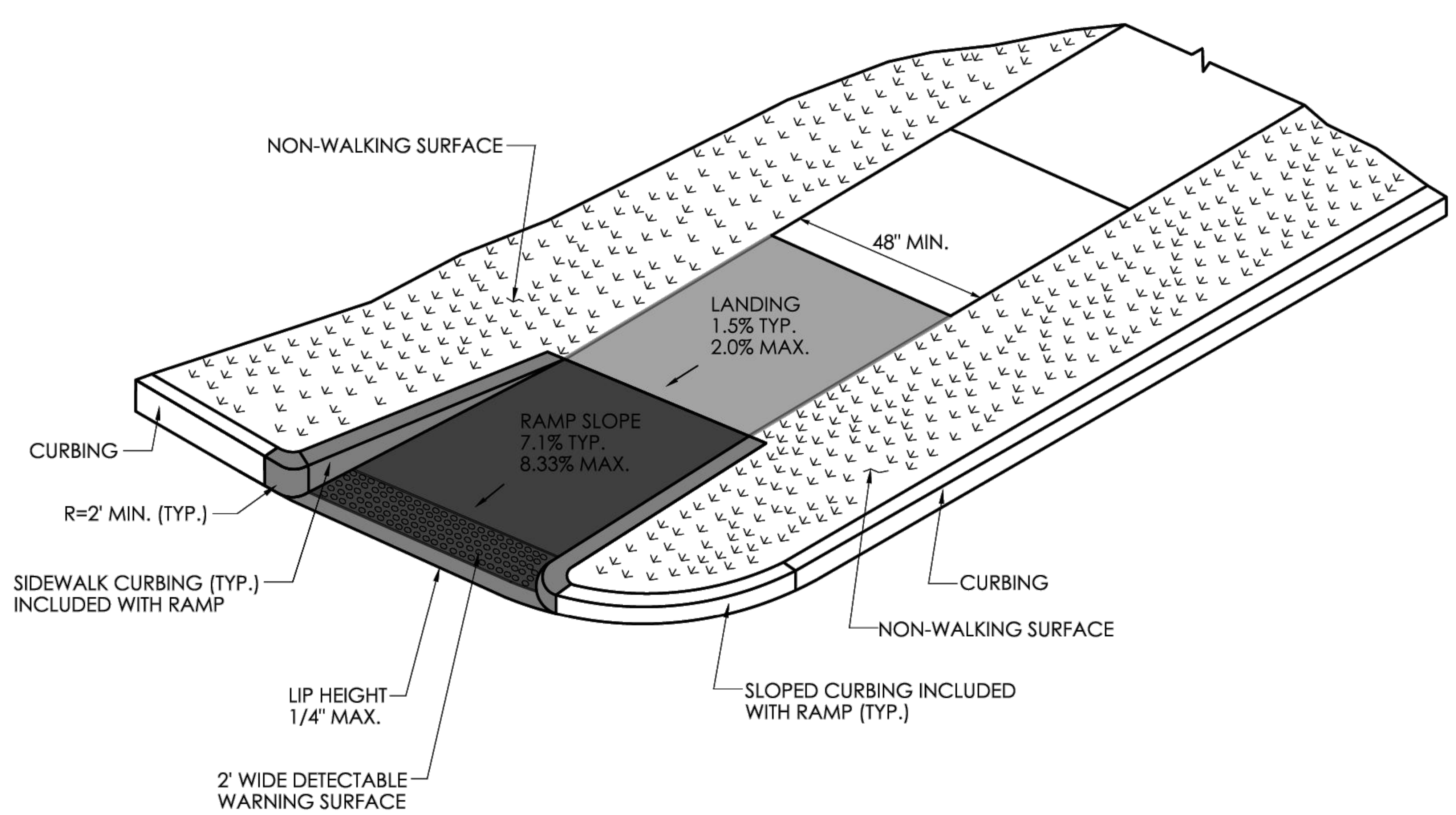
DRAWING NUMBER: RMP-04



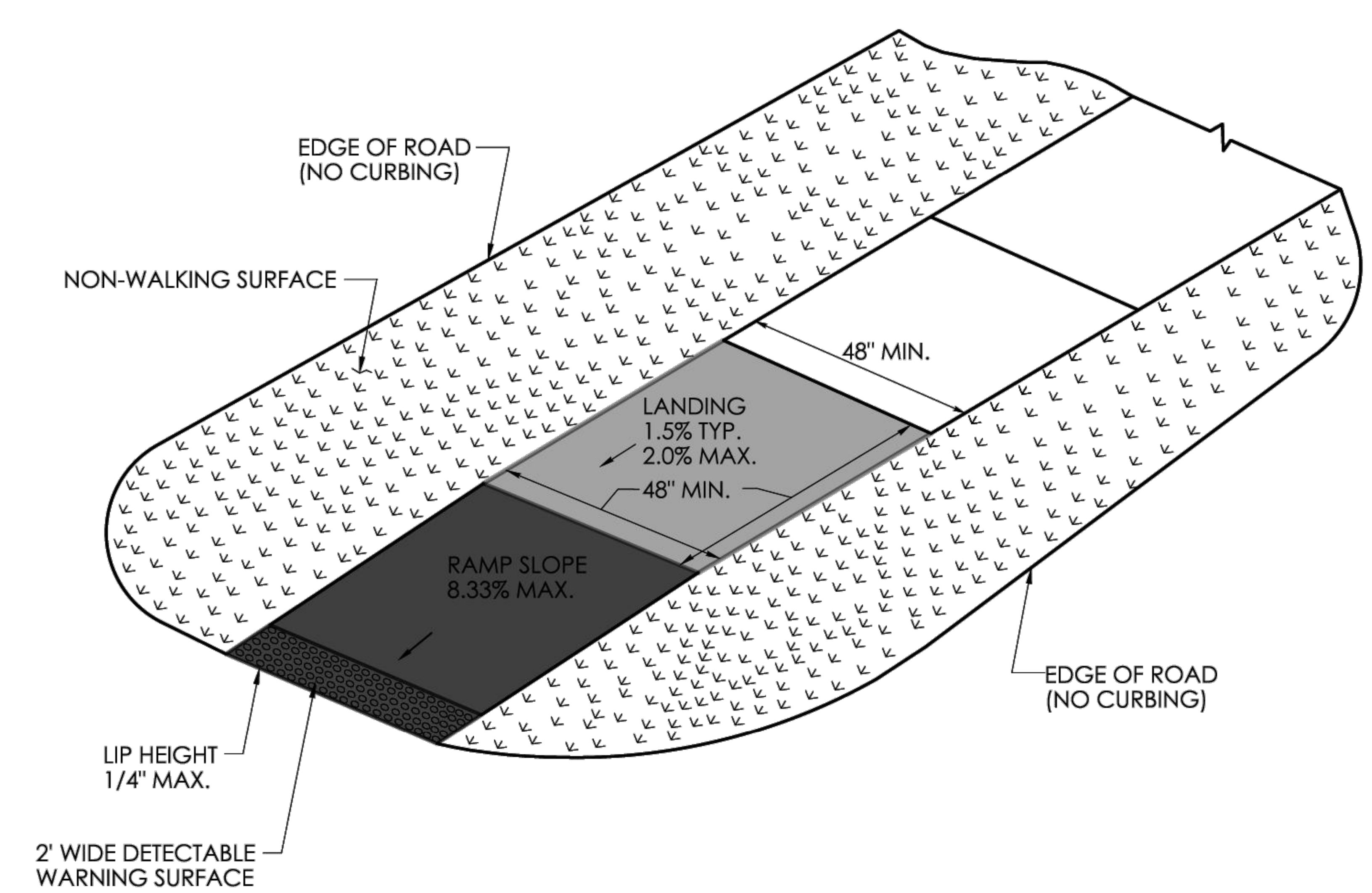
SINGLE DIRECTION RAMP
WITHOUT NON-WALKING SURFACE
GRADE BREAK GREATER THAN 5'
(TYPE 14)



SINGLE DIRECTION RAMP
GRADE BREAK TO THE BACK
OF CURB IS 5' OR LESS
(TYPE 15)



SINGLE DIRECTION - RETURN CURB
WITH NON-WALKING SURFACE
(TYPE 16)



SINGLE DIRECTION - NO CURB
WITH NON-WALKING SURFACE
(TYPE 17)

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PROJECT TITLE
JOHN DOWNEY DRIVE
CORRIDOR IMPROVEMENTS

DRAWING TITLE
CONCRETE SIDEWALK RAMPS

FILENAME: PS-88L-004-RMP-01.dwg

DRAWN BY J. OUTLAW
CHECKED BY R. TROTTIER

NOT TO SCALE
SCALE

REV.	DATE	REVISION DESCRIPTION

DATE: December 29, 2023

PROJECT NUMBER
L088-0004

DRAWING NUMBER
RMP-05