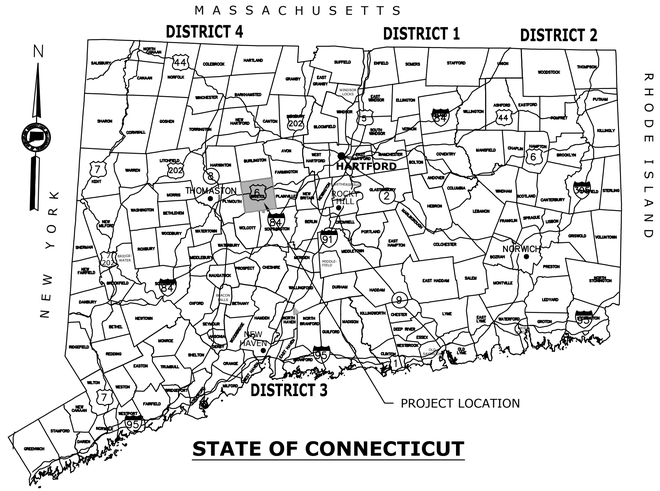
Plans For

THE INSTALLATION OF SIDEWALKS ALONG SHRUB ROAD



STATE OF CONNECTICUT

GENERAL NOTES:

1. FEDERAL AID PROJECT NO.
2. CONSTRUCTION SPECIFICATIONS:
   Connecticut Department of Transportation, Standard Specifications for Roads, Bridges, Facilities and Incidental Construction, Form 819, dated 2024; Supplemental Specifications, dated July 2023; and Special Provisions
3. 400 FOOT GRID BASED ON CONNECTICUT COORDINATE SYSTEM SYSTEM N.A.D. 1983
4. VERTICAL DATUM BASED ON NAVD 1988
5. SURVEYED BY:
   AI ENGINEERS
   919 MIDDLE STREET
   MIDDLETOWN, CT 06457

DISCLAIMER

IT IS THE RESPONSIBILITY OF EACH BIDDER AND ALL OTHER INTERESTED PARTIES TO OBTAIN ALL BIDDING RELATED INFORMATION AND DOCUMENTS FROM OFFICIAL SOURCES WITHIN THE CITY OF BRISTOL.

PERSONS AND/OR ENTITIES WHICH REPRODUCE AND/OR MAKE SUCH INFORMATION AVAILABLE BY ANY MEANS ARE NOT AUTHORIZED BY THE CITY OF BRISTOL TO DO SO AND MAY BE LIABLE FOR CLAIMS RESULTING FROM THE DISSEMINATION OF UNOFFICIAL, INCOMPLETE AND/OR INACCURATE INFORMATION.

City of

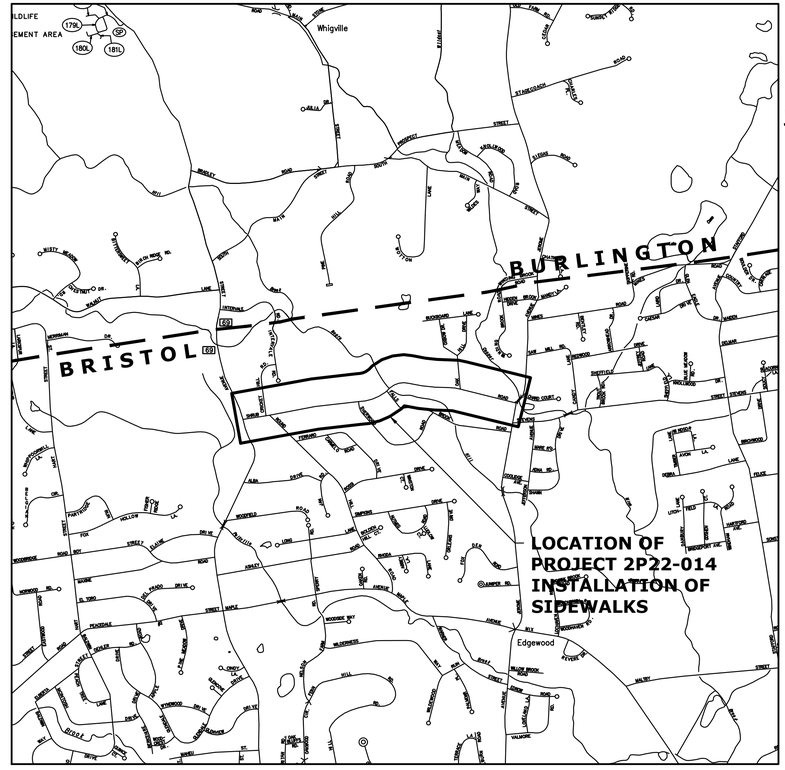
BRISTOL

ROAD	MAINTENANCE RESPONSIBILITY	LENGTH
SHRUB ROAD	CITY OF BRISTOL	4,896 FEET

F.A.P. #	MAINTENANCE RESPONSIBILITY	PROJECT #
	CITY	XXX-XXX

DESIGN CRITERIA

DESIGN STANDARD: CTDOT HIGHWAY DESIGN MANUAL, 2003 EDITION REV. FEB. 2013
SHRUB ROAD:
FUNCTIONAL CLASSIFICATION: MINOR URBAN ARTERIAL



LOCATION PLAN

NOT TO SCALE

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

ROHIT PRADHAN P.E, LICENSE NO.17242 DATE:

ERIC M. WAGNER LS#70123 DATE

SEMI FINAL DESIGN REVIEW

LIST OF SUBSETS

*THE INITIAL SUBSET SHEET COUNT DOES NOT INCLUDE ADDENDUMS AND CHANGE ORDERS

SUBSET NO.	SUBSET TITLE	*SUBSET SHEET COUNT
# 01	GENERAL	2
# 03	HIGHWAYS	104
# 04	STRUCTURES	7
	HIGHWAY STANDARD SHEETS	X
	TRAFFIC STANDARD SHEETS	X
	HIGHWAY GUIDE SHEETS	X
	TRAFFIC GUIDE SHEETS	X

LIST OF DRAWINGS
SUBSET 01 - GENERAL

DRAWING TITLE	DRAWING NO.
COVER SHEET	G-1
HIGHWAY INDEX OF DRAWINGS	INX-001

STANDARD CONVENTIONS (PROPOSED)

North Arrow W/No. Coor.
Grid Arrow
Edge Of Road
Concrete Pavement
Dirt Road
B.C.L.C.
Granite Curb
Guide Rail
Concrete Median Barrier
Bit. Walk
Conc. Sidewalk
Railroad Tracks
Limit Of Marsh
Stone Wall
Ledge Outcrop
Inland Wetland Limits
STATE LINE
Power Line
Swamp
Building
Transmission Tower
Utility Pole With Light & Guy Wire
Chain Link Fence
Rustic Fence
Pipe Fence
Board Fence
Property Line
Lot Line
Easement Line
Sedimentation Control System
Water Edge
Stream
Ditch
TOWN LINE
Highway Line
Street Line
Street Line F
Street Line C
Riprap
Hedge Row
Tree Line
Shrub
Evergreen Tree
Deciduous Tree
Retaining Wall
Mailbox
Water Gate
Hydrant
Manhole
Catch Basin
Sign Post

STANDARD CONVENTIONS (EXISTING)

North Arrow W/No. Coor.
Grid Arrow
Edge Of Road
Concrete Pavement
Dirt Road
B.C.L.C.
Granite Curb
Guide Rail
Concrete Median Barrier
Bit. Walk
Conc. Sidewalk
Railroad Tracks
Limit Of Marsh
Stone Wall
Ledge Outcrop
Inland Wetland Limits
STATE LINE
Power Line
Swamp
Building
Transmission Tower
Utility Pole With Light & Guy Wire
Chain Link Fence
Rustic Fence
Pipe Fence
Board Fence
Property Line
Lot Line
Easement Line
Sedimentation Control System
Water Edge
Stream
Ditch
TOWN LINE
Highway Line
Street Line
Street Line F
Street Line C
Riprap
Hedge Row
Tree Line
Shrub
Evergreen Tree
Deciduous Tree
Retaining Wall
Mailbox
Water Gate
Hydrant
Manhole
Catch Basin
Sign Post
Boring

Plans For

THE INSTALLATION OF SIDEWALKS ALONG SHRUB ROAD

City

BRISTOL

STATE PROJECT NO.

2P22-014

DRAWING NO. **G-1**

SHEET NO. **01.01**

03 - HIGHWAY
INDEX OF DRAWINGS

DRAWING NUMBER	DRAWING TITLE	DRAWING NUMBER	DRAWING TITLE
G-001	HIGHWAY INDEX OF DRAWINGS		
G-002	NOTES LEGEND AND ABBREVIATIONS		
TYP-100 - TYP-101	TYPICAL SECTIONS		
EX-100 - EX-108	EXISTING CONDITION PLANS		
CA-100 - CA-109	ALIGNMENT PLANS		
CP-100- CP-108	SITE PLANS		
CG-100- CG-108	GRADING AND DRAINAGE PLANS		
DET-101	MISCELLANEOUS DETAILS		
CX-101 - CX-165	SHRUB ROAD CROSS SECTIONS		
CX-166 - CX-167	JEROME AVENUE CROSS SECTIONS		

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: G-001 INDEX OF DRAWINGS.DWG

SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS
AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: **HIGHWAY INDEX OF DRAWINGS**

PROJECT NO. **3401**
DRAWING NO. **G-001**
SHEET NO.

MAP REFERENCES:

1. PLAN AND PROFILE OF CRICKET HILL ROAD STA. 10+00 TO STA. 21+40 BRISTOL, CT. DAVID F. WHITNEY CONSULTING ENGINEERS RIVERDALE FARMS ROUTE 10 P.O. BOX 1605 AVON, CONNECTICUT; DATE: AUG. 20, 1993; PROJECT N0. 93-30; SHEET NO.: 1 0F 2; SCALE: AS SHOWN."
2. "PRELIMINARY PLAN FOR HARRIS ACRES SHRUB ROAD BRISTOL, CONN. A.W.C. KRATZERT CIVIL ENGINEER & LAND SURVEYOR 176 N. MAIN ST. SOUTHINGTON, CONN; DATED: JANUARY 1965; SCALE 1" =40'."
3. "LAYOUT OF LOTS ON SHERWOOD ROAD IN BRISTOL, CONN. PROPERTY OF CORNELIUS COLLINS; ADRIAN M. MATTHEWS SURVEYOR; DATE OCTOBER 25,1954; SCALE; 1" = 50'."
4. "MAP SHOWING REVISED PROPERTY LINE LOTS 8 & 8-1, FOR ENVIRONMENTAL REGIONAL ENVIRONMENTAL CENTERS,INC., BRISTOL, CONNECTICUT R.R. HILTBRAND ENGINEERS AND SURVEYORS 340 MAPLE AVENUE BRISTOL, CONNECTICUT 06010 (860) 582 454, DATED: FEBRUARY 2001; SCALE: 1" = 40'."
5. "PLAN OF LAND IN BRISTOL, CONNECTICUT PROPERTY OF THE NATURAL CONSERVANCY OF CONNECTICUT, INC. SHOWING PARCEL ON WHICH NATURE CENTER IS TO BE LOCATED; ADRIAN M. MATTHEWS P.E. & L.S.; DATED: SEPTEMBER. 4,1971; SCALE :1" = 100'."
6. "PROPERTY OF NEW BRITAIN WATER WORKS SHRUB ROAD, BRISTOL, CONNECTICUT, CARDINAL ENGINEERING ASSOCIATES, MERIDEN, CONNECTICUT; DATED: FEBRUARY 18, 1970; SCALE 1" = 100'; SHEET 1 0F 1."
7. "PLAN OF LAND IN BRISTOL CONN. OWNED BY ALLIED BUILDERS, INC. ADRIAN M. MATTHEWS SURVEYOR; DATED: MAY 6,1958; SCALE 1" = 40'."
8. MAP OF LOT #18 352 SHRUB ROAD BRISTOL, CONN. OWNED BY EDWARD A. VETRE, SR.; A.F. LEPORE, JR. & ASSOCIATES CIVIL ENGINEERS & LAND SURVEYORS; DATE: 11-7-78; SHEET: 1 OF 1; SCALE: 1' = 40'."
9. "SUBDIVISION OF LAND OWNED BY EINEAR PETERSEN SHRUB ROAD BRISTOL, CONN.,H.F. LEPORE JR. ASSOCIATES; DATE: MAY 25, 1972; SCALE: 1" = 40'."
10. "PROPOSED SUBDIVISION OWNED BY MARCE POSE OAK HILL DRIVE BRISTOL, CONN.; DATE: OCT. 1979; SCALE: 1" = 40'."
11. "SKETCH OF PORTION OF LAND OF HAROLD MALERBO BRISTOL, CONN. AND BURLINGTON CONN.; W.C. LEFEVRE, C.E.; DATE: MARCH 1954 REVISED THRU JUNE 1956; SCALE: 1" = 100'."
12. "PROPERTY SURVEY OF LAND OWNED BY ERIK W. MADSEN SHRUB ROAD BRISTOL, CONNECTICUT, HODGE SURVEYING ASSOCIATES, P.C. DATE: MAY 2006 REVISED THRU DECEMBER 8, 2006; SCALE: 1" = 40'
13. "WHITE BIRCH ACRES SUBDIVISION PLAN LAND OF ROGER AUDET JEROME AVE. BRISTOL, CONN., MICHAEL J. ENGELS & ASSOCIATES, DATED: = DEC.1971; REVISED THRU 3/4/72; SCALE: 1 = 40'."
14. "PLAN OF LAND IN BRISTOL, CONN OWNED BY CHARLES L. OLSON; ADRIAN M. MATTHEWS LAND SURVEYOR; DATE: OCT. 6, 1960: SCALE: 1" = 40'".
15. " MAP SHOWING LAND OF ROGER AUDET, JEROME AVE. BRISTOL, CONN. MICHAEL J. ENGELS L.S. 7755, DATED: SEPT. 1971, REVISED: 2/18/72; SCALE:1"= 40'."
16. "SUBDIVISION OF LAND OWNED BY WOTTON REALTY JEROME AVENUE, BRISTOL, CONN. A.F .LEFORE JR..& ASSOCIATES CIVIL ENGINEERS; DATE: APRIL1972; SCALE: 1" = 40'."
17. MAP SHOWING LAYOUT OF PROPERTY OWNED BY CORNELIUS COLLINS JEROME AVENUE - SHRUB ROAD - FALLS BROOK ROAD - LORRAIN DRIVE BRISTOL, CONN.; H.F. KENDRICK, CIVIL ENGINEER; DATED: SEPTEMBER 1950, REVISED OCT. 3,1950; SCALE 1" =50'."
18. "MAP OF LAND OWNED BY MARTIN R. WEST, JR. JEROME AVE. - BRISTOL, CONN. MERTON HODGE SURVEYOR; JOB NO: 2053; DATE: 1944; SCALE: 1" = 40'."

SURVEY & GENERAL NOTES:

1) THIS SURVEY AND MAP HAVE BEEN PREPARED IN ACCORDANCE WITH SECTIONS 20-300B-1 THRU 20-300B-20 OF THE REGULATIONS OF CONNECTICUT STATE AGENCIES "MINIMUM STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPT. 29, 2019. THIS IS A CLASS A-2 SURVEY WITH THE BOUNDARY DETERMINATION CATEGORY BEING A RESURVEY. IS A RIGHT OF WAY SURVEY AND IS INTENDED TO BE USED FOR A CITY OF BRISTOL PUBLIC ROAD IMPROVEMENTS APPROVAL. VERTICAL ACCURACY IS OF CLASS T-2 STANDARDS.
2) TOPOGRAPHIC SURVEY PERFORMED BY AI ENGINEERS DURING THE MONTHS OF JANUARY THRU APRIL OF 2022 AND ON APRIL 10 2024.
3) WETLAND DELINEATION WAS DONE BY SOIL SCIENTIST RICHARD SNARSKI OF NEW ENGLAND ENVIRONMENTAL SERVICES, INC. DURING MARCH OF 2022.
4) SHRUB ROAD IS LOCATED IN ZONE "X" AS SHOWN OF FLOOD INSURANCE RATE MAP PANEL 458 OF 675; HARTFORD COUNTY; ALL JURISDICTIONS; MAP NUMBER 09003C0458F; WITH AN EFFECTIVE DATE OF SEPTEMBER 26, 2008 AND MAP PANEL 455 OF 675; HARTFORD COUNTY; ALL JURISDICTIONS; MAP NUMBER 09003C0455F; WITH AN EFFECTIVE DATE OF SEPTEMBER 26, 2008.. ZONE "X" AND IS AN AREA DETERMINED TO BE OUTSIDE OF 0.2% ANNUAL CHANCE OF FLOODING.
5) THE NORTH ARROW AND BEARINGS ARE BASED UPON THE CONNECTICUT STATE COORDINATE SYSTEM N.A.D 1983 (2011). THE ELEVATIONS ARE BASED UPON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). COORDINATES AND ELEVATIONS WERE DETERMINED FROM RTK GPS OBSERVATIONS.
6) UNDERGROUND UTILITIES, STRUCTURES AND FACILITY LOCATIONS DEPICTED AND NOTED HEREON HAVE BEEN COMPILED, IN PART FROM RECORD MAPPING SUPPLIED BY THE RESPECTIVE COMPANIES OR GOVERNMENTAL AGENCIES AND FROM OTHER SOURCES. THESE LOCATIONS MUST BE CONSIDERED AS APPROXIMATE IN NATURE. ADDITIONALLY, OTHER SUCH FEATURES MAY EXIST ON THE SITE. ALL CONTRACTORS ARE REQUIRED TO CONTACT CALL-BEFORE-YOU-DIG AT (800) 922-4455 FOR LOCATION AND OR STAKEOUT OF ANY UTILITY PRIOR TO ANY EXCAVATION.
7) REFERENCE CONNECTICUT DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS, BRIDGES, FACILITIES AND INCIDENTAL CONSTRUCTION, FORM 819, DATED 2024, AND ANY SUBSEQUENT REVISIONS.
8) GEOTECHNICAL REPORT PROVIDED BY DOWN TO EARTH CONSULTING LLC. BORINGS AT THE PROPOSED BRIDGE LOCATION WERE PERFORMED ON 3/29/2022.
9) CONTACT PERSON FOR THE CITY OF BRISTOL:
RAYMOND ROGOZINSKI P.E.
CITY OF BRISTOL – DIRECTOR OF PUBLIC WORKS
111 NORTH MAIN ST.
CITY OF BRISTOL, CT 06010
OFFICE: 860-584-6125
EMAIL: Raymond@Bristol.gov

LIST OF ABBREVIATIONS:

AVE.	AVENUE
BIT.	BITUMINOUS
CONC.	CONCRETE
C.P.	CONTROL POINT
D.H.	DRILL HOLE
ELEV.	ELEVATION
E/W/N/S	EAST/WEST/NORTH/SOUTH
FND.	FOUND
H.W.	HIGH WATER
INV.	INVERT
MAG.	MAGNETIC
RET.	RETAINING
SAN.	SANITARY
SUP	SUPPORT POLE
TYP.	TYPICAL
W/	WITH

LEGEND:

- PROPERTY LINE
- STATE PROPERTY LINE
- IRON PIN / PIPE (I.P. FOUND)
- MONUMENT (FOUND)
- CONTROL POINT (C.P.)
- MAJOR CONTOUR
- MINOR CONTOUR
- EDGE OF BITUMINOUS PAVEMENT
- BITUMINOUS CURB
- OVERHEAD WIRES
- RETAINING WALL
- YELLOW TRAFFIC STRIPING
- WHITE TRAFFIC STRIPING
- WETLAND
- TELEPHONE LINE
- SEWER LINE
- WATER LINE
- LEDGE OUTCROP
- UTILITY POLE WITH STREET LIGHT
- UTILITY POLE WITH GUY WIRE
- UTILITY POLE
- POST MOUNTED LAMP
- GAS GATE (GG)
- WATER GATE (WG)
- HYDRANT (HYD)
- STREET SIGN (SINGLE POST MOUNTED)
- TRAFFIC SIGN (SINGLE POST MOUNTED)
- MAN HOLE (M.H.)
- CATCH BASIN (C.B.)
- WET LAND FLAG (W.L.F.)
- HAND HOLE (H.H.)
- POST
- MAIL BOX (M.B.)
- BOULDER/ROCK
- HEDGE ROW
- SHRUB
- DECIDUOUS TREE (DT)
- CONIFEROUS TREE

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER: AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457

FILENAME: G-002 LEGEND, ABBREVIATIONS, & GENERAL NOTES.DWG

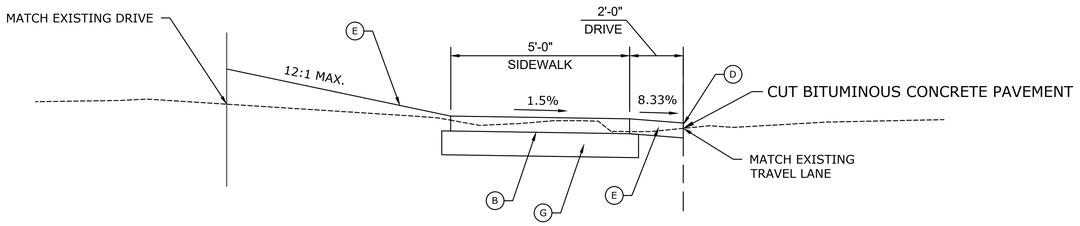
SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: **NOTES, LEGEND, & ABBREVIATIONS**

PROJECT NO. **3401**
DRAWING NO. **G-002**
SHEET NO.

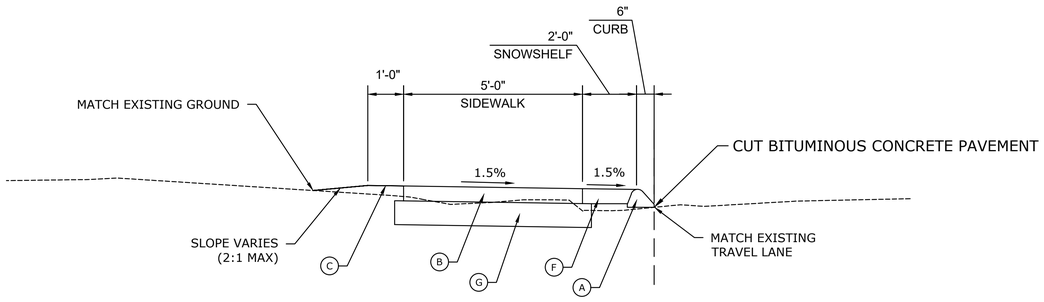


TYPICAL CROSS SECTION THROUGH DRIVEWAY

SCALE: 1" = 2'

LEGEND

- (A) PROPOSED BITUMINOUS CONCRETE LIP CURB
- (B) PROPOSED 5' CONCRETE SIDEWALK
- (C) 4" TOPSOIL OVER VARY LEVELS OF BURROW AND TURF ESTABLISHMENT LAWN
- (D) 1.5" DRIVEWAY LIP
- (E) NEW PAVED BITUMINOUS DRIVEWAY 2 LIFTS - 1.5" EACH HMA S0.375 (TRAFFIC LEVEL 1)
- (F) SNOW SHELF
- (G) COMPACTED GRANULAR FILL



TYPICAL CROSS SECTION THROUGH SNOWSHELF

SCALE: 1" = 2'

REV.	DATE	REVISION DESCRIPTION	SHEET NO.	PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

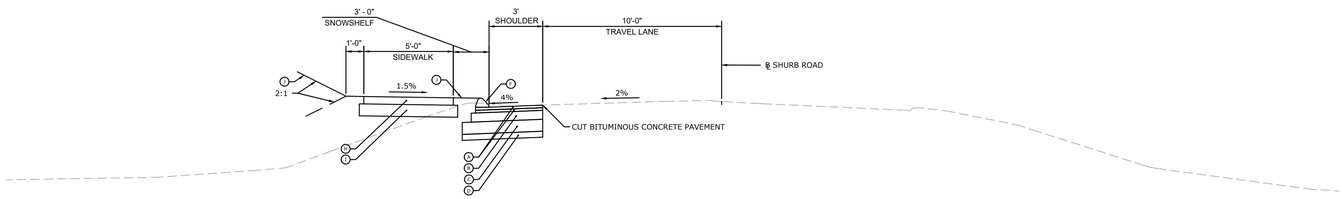
ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: G-003 AND 004 TYPICAL SECTIONS - 2.DWG

SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS AT SHRUB ROAD

TOWN: **BRISTOL, CT**
DRAWING TITLE: **TYPICAL SECTIONS - 1**

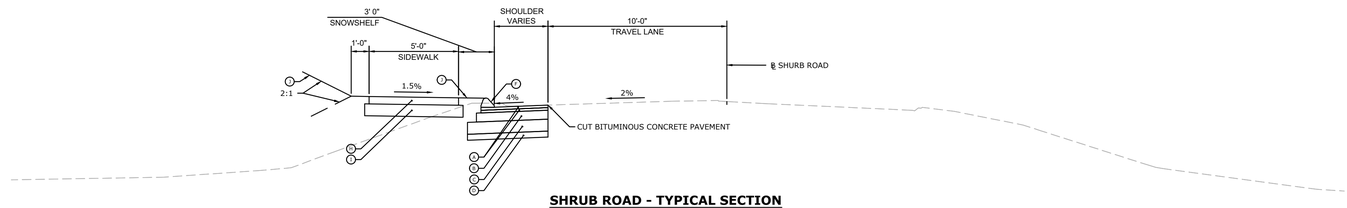
PROJECT NO. **3401**
DRAWING NO. **G-003**
SHEET NO.



SHRUB ROAD - TYPICAL SECTION
STA 40+50.00 TO 46+17.14
STA 47+08.50 TO 54+24.70
STA 55+46.88 TO 59+27.00

TYPICAL CROSS SECTION 1

NOT TO SCALE



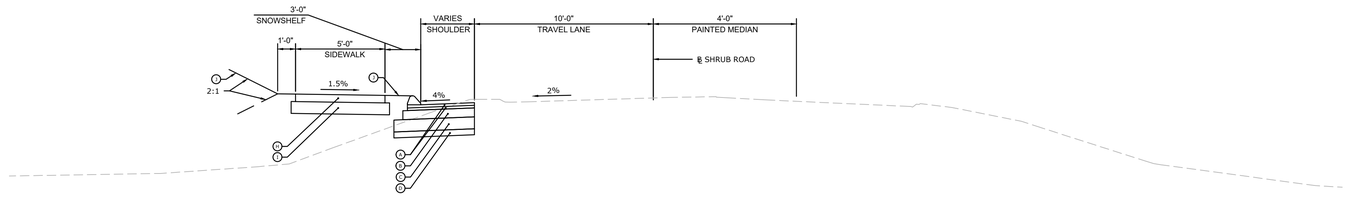
SHRUB ROAD - TYPICAL SECTION
STA 25+84.57 TO 40+50.00
STA 46+17.14 TO 47+08.50
STA 54+24.70 TO 55+46.88
STA 59+27.00 TO 69+78.35

LEGEND

- (A) 2 LIFTS - 1.75" EACH HMA S0.375 (TRAFFIC LEVEL 2)
- (B) 2 LIFTS - 3" EACH HMA S1.0 (TRAFFIC LEVEL 2)
- (C) 8" PROCESSED AGGREGATE BASE
- (D) FORMATION OF SUBGRADE
- (F) PROPOSED BITUMINOUS CONCRETE LIP CURB
- (G) SNOW SHELF
- (H) PROPOSED 5' CONCRETE SIDEWALK
- (I) COMPACTED GRANULAR FILL
- (J) 4" TOPSOIL OVER VARING LEVELS OF BURROW AND TURF ESTABLISHMENT LAWN

TYPICAL CROSS SECTION 2

NOT TO SCALE



SHRUB ROAD - TYPICAL SECTION
STA 34+45.12 TO 39+05.25
STA 53+96.05 TO 59+11.85

TYPICAL CROSS SECTION THROUGH SNOWSHELF

NOT TO SCALE

REV.	DATE	REVISION DESCRIPTION	SHEET NO.	PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457

FILENAME: G-003 AND 004 TYPICAL SECTIONS - 2.DWG

SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS
AT SHRUB ROAD

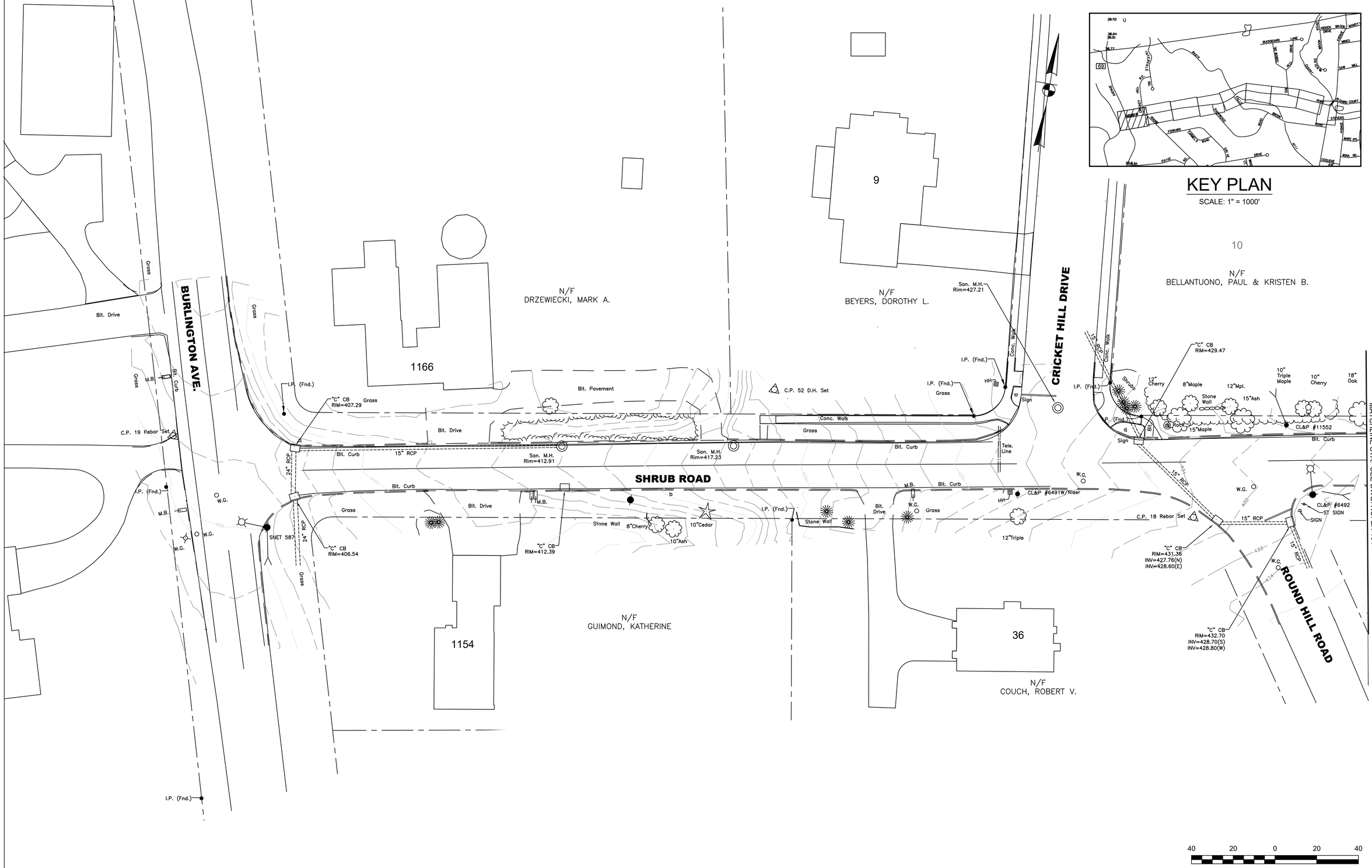
TOWN: **BRISTOL, CT**

DRAWING TITLE: **TYPICAL SECTIONS - 2**

PROJECT NO. **3401**
DRAWING NO. **G-004**
SHEET NO.

KEY PLAN

SCALE: 1" = 1000'



40 20 0 20 40

SCALE IN FEET

REV.	DATE	REVISION DESCRIPTION	SHEET NO.	PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: EX-100 EXISTING CONDITIONS PLAN - 1.DWG

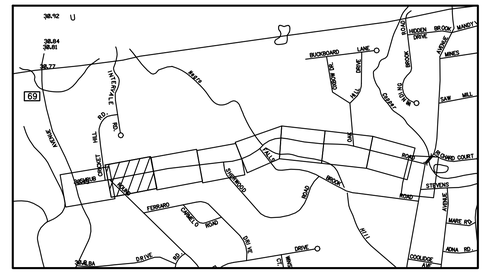
SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: **EXISTING CONDITIONS PLAN - 1**

PROJECT NO. **3401**
DRAWING NO. **EX-100**
SHEET NO.



KEY PLAN

SCALE: 1" = 1000'

MATCHLINE STA. SEE DWG. NO. EX-100

MATCHLINE STA. SEE DWG. NO. EX-102

55

N/F
VIRELLO, MARY

N/F
VIRELLO, MARY

N/F
HILTBRAND,
MARY E.

85

N/F
KALAPOS, MARC

N/F
BARTOSCH, RICHARD J.

95

N/F
ENVIRONMENTAL LEARNING CENTERS
OF
CONNECTICUT INC.

SHRUB ROAD

I.P. (Fnd.)

Planted Area

Rock Wall Outlining Garden Area

Rock

18"Mpl.

18"Stump

M.B.

Bit. Drive

Wood Fence

12" Cedar

Rocks

Twin 15"Oak

Bit. Curb

12"Pine

8"Pine

15" Oak

H.S. #12494

Sign

6"Cherry

Shrub

6" Tw. Birch

Ret. Wall

11"

9"

8"

Guy Wire

26"Pine

15"

20"

18"

12"Hickory

CL&P #12653

Eversource #16322

W.G.

CL&P #6493

C.P. 17 Rebar Set

CL&P #6494

San. M.H.
RIM=441.43
INV=432.85(NE)

San. M.H.
RIM=414.26
INV=405.35(E)
INV=405.35(SW)

N/F
COLLINS, PATRICK W. & KAREN

58

N/F
MORNEAULT, GARY M.

70

N/F
DROST, JODY P. & LISA K.

80

N/F
ABRAMCZYK, KAREN S.

90

N/F
CLARK, LYNNE C.

N/F
NAPLES, CHRISTOPHER M. &
MORGAN, BRYANA L.

110

40 20 0 20 40

SCALE IN FEET

REV.	DATE	REVISION DESCRIPTION	SHEET NO.	PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457

FILENAME: EX-100 EXISTING CONDITIONS PLAN - 1.DWG

SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS
AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: **EXISTING CONDITIONS PLAN - 2**

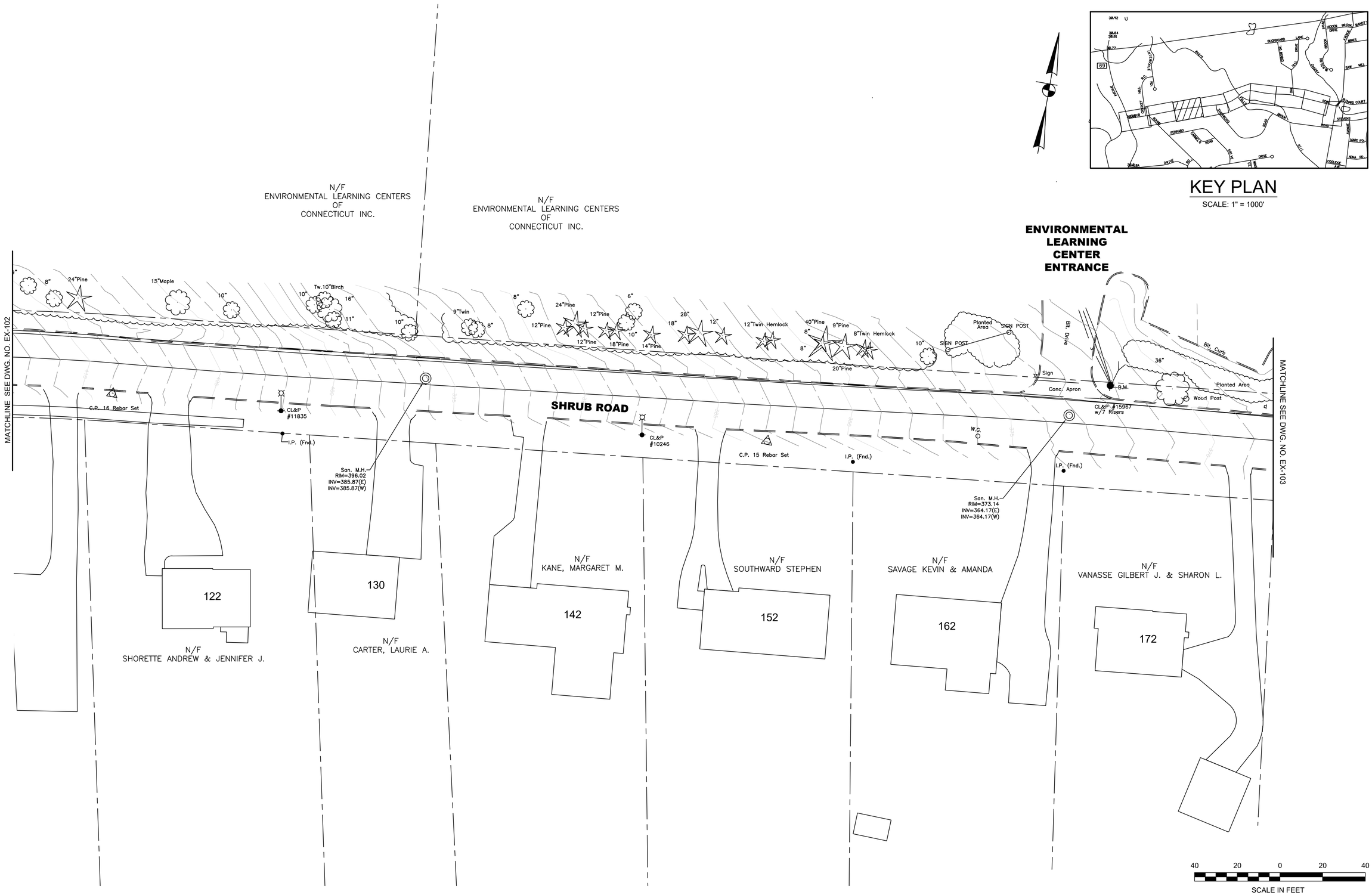
PROJECT NO. **3401**

DRAWING NO. **EX-101**

SHEET NO.

KEY PLAN

SCALE: 1" = 1000'



REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457

FILENAME: EX-100 EXISTING CONDITIONS PLAN - 1.DWG

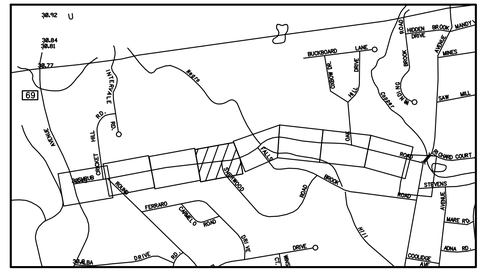
SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS
AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: **EXISTING CONDITIONS PLAN - 3**

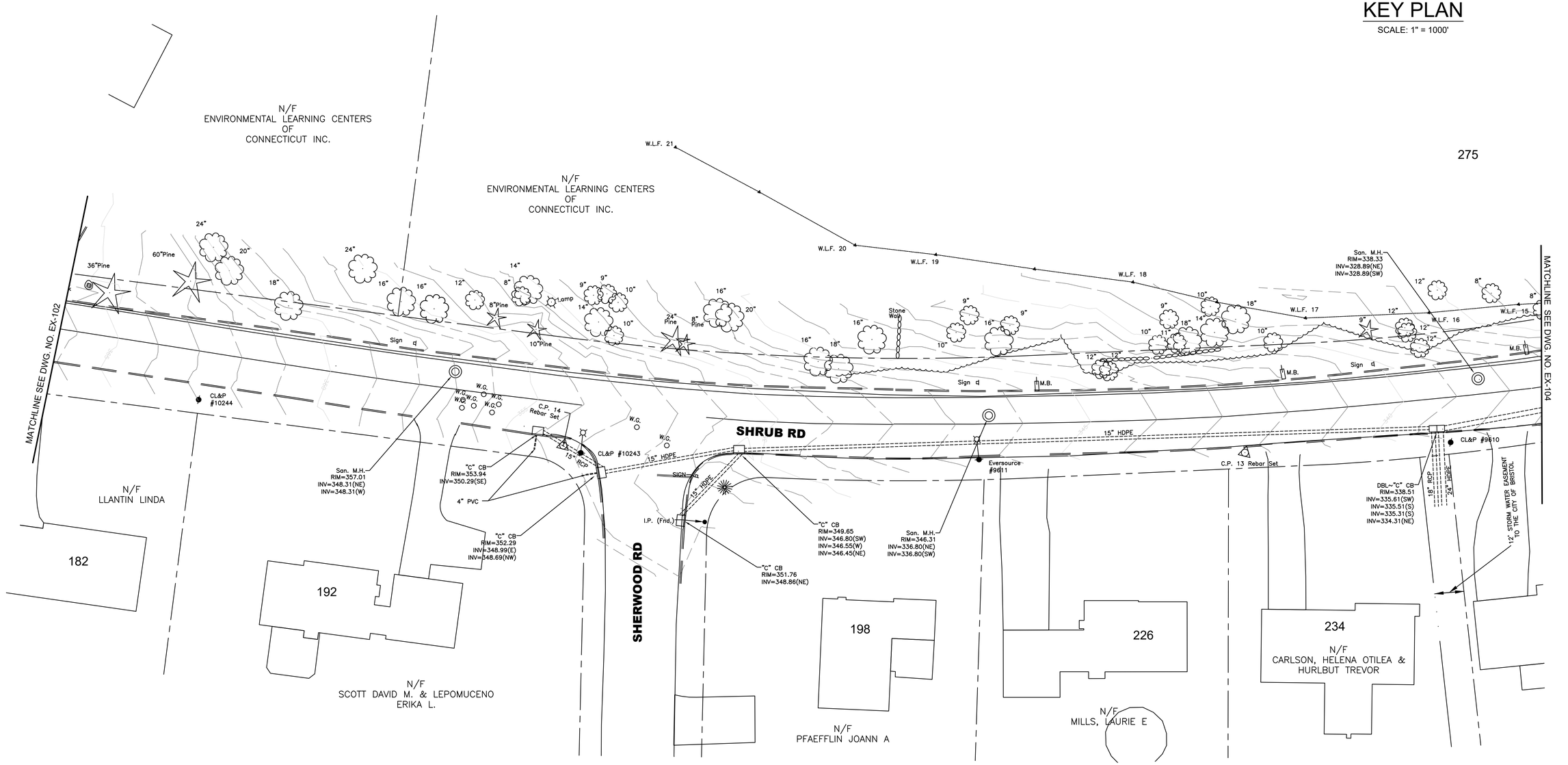
PROJECT NO. **3401**
DRAWING NO. **EX-102**
SHEET NO.



KEY PLAN

SCALE: 1" = 1000'

275



40 20 0 20 40

SCALE IN FEET

REV.	DATE	REVISION DESCRIPTION	SHEET NO.	PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: EX-100 EXISTING CONDITIONS PLAN - 1.DWG

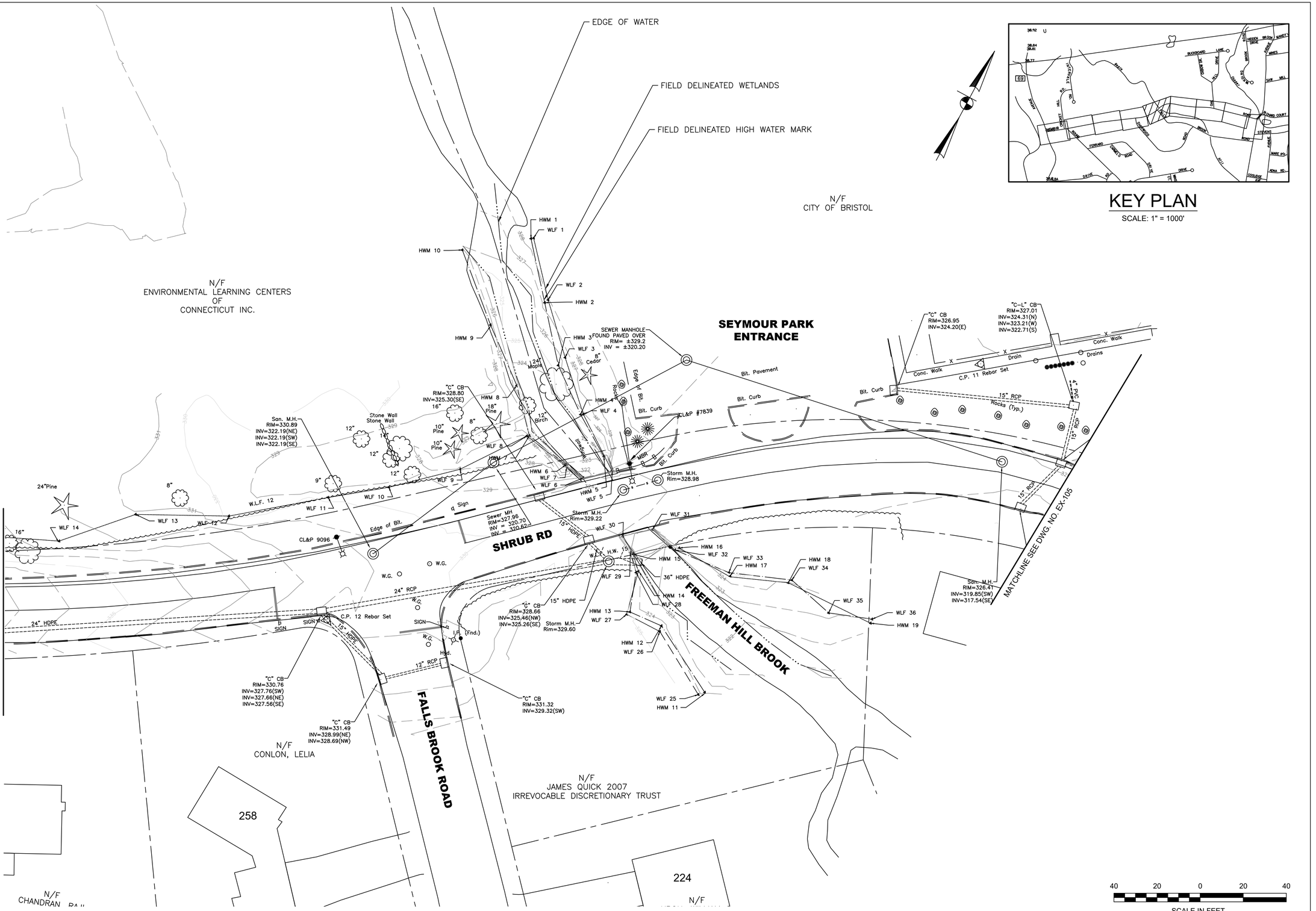
SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS AT SHRUB ROAD

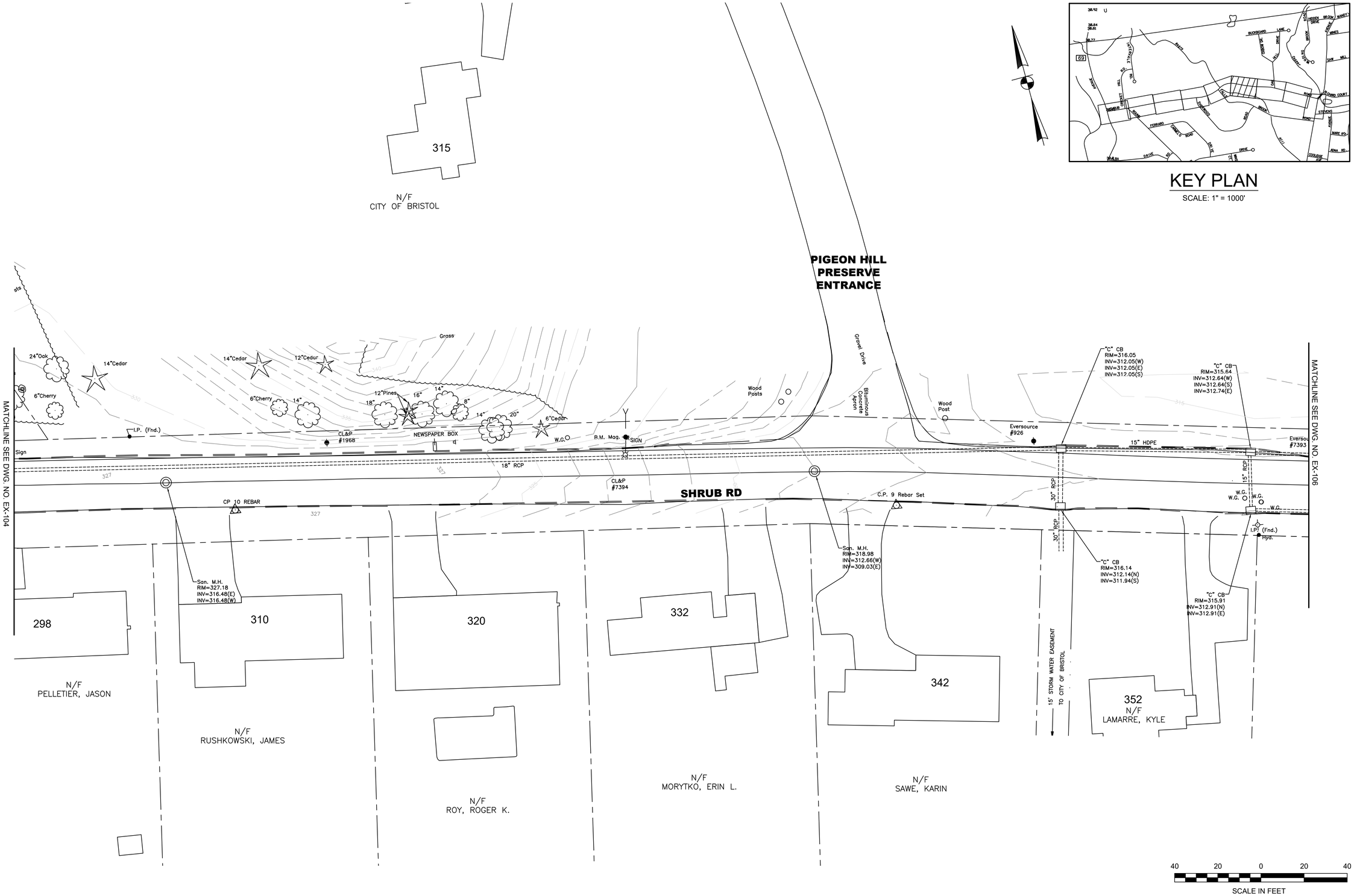
TOWN: **BRISTOL, CT**

DRAWING TITLE: **EXISTING CONDITIONS PLAN - 4**

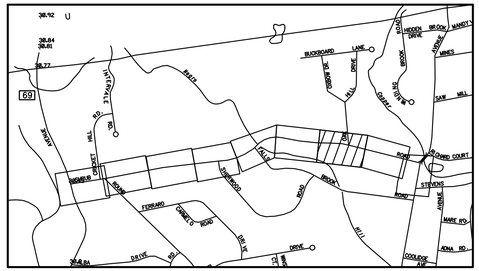
PROJECT NO. **3401**
DRAWING NO. **EX-103**
SHEET NO.



BUCKBOARD
LANE
HIDDEN BROOK DRIVE
MARKET
MINES
SAW MILL
ROAD
GALLOWS
HILL
ROAD
ROUND COURT
STEVENS
ROAD
KENT
MARE RD.
ANNA RD.
COLLEGE
AVE
DRIVE
HILL
DRIVE
ROAD
FERRARO
DRIVE
BRISTOL
ROAD
RIVER
ROAD
ROAD
ROAD



BUCKBOARD
LANE
HIDDEN
BROOK
DRIVE
MARKS
MINES
SAW
MILL
ROAD
SHADY
MARE RD.
ADNA RD.
COLLEGE
AVE.
FERNBANK
ROAD
DRIVE
CIRCLE
COURT
STEVENS
HILL
PINE
TRAIL
RD.
ROAD
DRIVE
CIRCLE
COURT
HILL
DRIVE
ROAD
CIRCLE
COURT
HILL
DRIVE
ROAD
CIRCLE
COURT
HILL
DRIVE
ROAD



KEY PLAN

SCALE: 1" = 1000'

MATCHLINE SEE DWG. NO. EX-105

MATCHLINE SEE DWG. NO. EX-107

N/F
CITY OF BRISTOL

N/F
DAUPHINAIS, MARIAN F.

409

N/F
ROMANOWSKI, ANNA & MARQUIS, BRIAN L.

415

OAK HILL DRIVE

SHRUB ROAD

"C" CB
RIM=318.94
INV=314.94(W)
INV=314.94(E)

C.P. 50 Mag. Set

I.P. (Fnd.)

C
RIM=325.51
INV=322.01(S)
INV=321.81(W)

4"Ornamental

Bit. Drive

CL&P #9428

M.B.

CL&P #7391

Eversource #8967

15" RCP

CL&P 392

Eversource #7392

W.G.

C.P. 8 Rebar Set

C.P. 7 Rebar Set

15" HDPE

"C" CB
RIM=316.24
INV=313.34(W)

San. M.H.
RIM=316.89
INV=308.31(E)
INV=308.11(W)
INV=305.83(S)

San. M.H.
RIM=322.49
INV=310.82(W)
INV=310.82(E)

"C" CB
RIM=326.06
INV=322.61(N)

San. M.H.
RIM=336.69
INV=325.58(NW)

362
N/F
SIRIOS, MARY ANN

370

N/F
RYAN, MARILYN J.

380

N/F
POOLE, DONNA L.

390

N/F
VIBERT, DAVID

400

N/F
MURDOCK, JANE E. AS TRUSTEE
O/T

410

N/F
ZEVALLOS, SARAH

40 20 0 20 40

SCALE IN FEET

REV.	DATE	REVISION DESCRIPTION	SHEET NO.	PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457

FILENAME: EX-100 EXISTING CONDITIONS PLAN - 1.DWG

SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS AT SHRUB ROAD

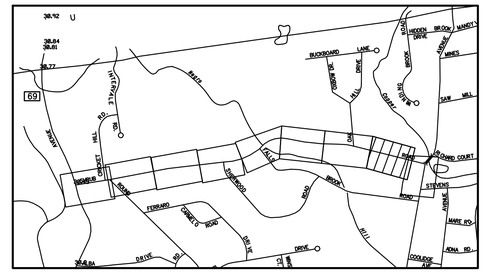
TOWN: **BRISTOL, CT**

DRAWING TITLE: **EXISTING CONDITIONS PLAN - 7**

PROJECT NO. **3401**

DRAWING NO. **EX-106**

SHEET NO.



KEY PLAN

SCALE: 1" = 1000'

N/F
BIRON, JOHN G. & JANET M.

431

N/F
ROBERTS, DOROTHY M. & ALFRED P.

457

N/F
TORRES, NATHANIEL & MILEXY

465

N/F
CULTRERA, VIVIAN

477

MATCHLINE SEE DWG. NO. EX-106

MATCHLINE SEE DWG. NO. EX-108

BLOCK/STONE DRIVEWAY EDGING

STONE & MORTAR RETAINING WALL

BLOCK/STONE DRIVEWAY EDGING

NEWSPAPER BOXES

Bit. Drive

Grass

Gravel

Rocks (Typ.)

NEWSPAPER BOX

CL&P #8340

CL&P #7390

#8966

I.P. (Fnd.)

C.P. 5 Rebar Set

Bit.Drive

48" Stump

15" Stump

8"Hem.

30"Oak

12"Pine

12"Hemlock

12" (Dead)

9"Hem.

CL&P #7389

Sign Post

M.B.

W.G.

343

SHRUB ROAD

C.P. 6 Rebar Set

San. M.H.
RIM=343.52
INV=331.46(SW)

San. M.H.
RIM=333.29
INV=313.84(NW)
INV=311.23(SE)

Planted Area

Stone Wall

San. M.H.
RIM=302.29
INV=290.24(SE)
INV=290.24(NW)

412

440

450

460

470

N/F
ZALEWSKI, SANDRA E. & LABAR, BARRY A TRUSTEES O/T

N/F
FUSCOI DANIELLE M.

N/F
SPRAGUE ELIZABETH K. & ALLAIRE STEPHEN O

N/F
LACHANCE GAETAN & LISE JNT TENANTS

N/F
FURLONG SYLVESTER

40 20 0 20 40

SCALE IN FEET

REV.	DATE	REVISION DESCRIPTION	SHEET NO.	PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457

FILENAME: EX-100 EXISTING CONDITIONS PLAN - 1.DWG

SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS AT SHRUB ROAD

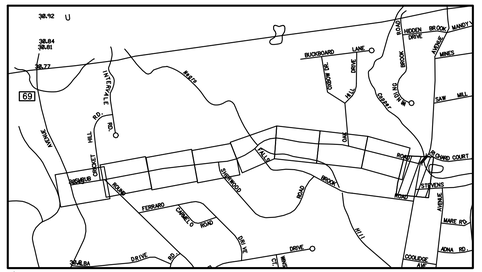
TOWN: **BRISTOL, CT**

DRAWING TITLE: **EXISTING CONDITIONS PLAN - 8**

PROJECT NO. **3401**

DRAWING NO. **EX-107**

SHEET NO.



KEY PLAN

SCALE: 1" = 1000'

FIELD DELINEATED WETLANDS

FIELD DELINEATED HIGH WATER MARK

EDGE OF WATER

N/F CITY OF NEW BRITAIN & NEW BRITAIN WATER COMPANY 100 YEAR FLOOD ZONE LIMIT

N/F OBRIEN, CRYSTAL

STEVENS STREET

JEROME AVENUE

SHRUB ROAD

COTE DANIEL GARY II & KASSANDRA

N/F BRYANT JOHNNY LEE

N/F HORVATH CSABA AKA. CSABA Z HORVATH

Copper Mine Brook

6

3

479

490

875

865

"c" CB RIM=291.19 INV=285.69(NE) INV=285.79(W) INV=287.29(SW)

San. M.H. RIM=291.90 INV=283.36(SW) INV=283.36(NW)

"C" CB RIM=288.54 INV=284.94(W)

"C" CB RIM=291.73 INV=289.03(S)

"C" CB RIM=292.16 INV=287.26(W) INV=287.26(E)

"C" CB RIM=294.92 INV=291.02(NE)

"C" CB RIM=290.90 INV=288.00(NE)

San. M.H. RIM=289.79 INV=282.84(SW) INV=282.84(NE)

"C" CB RIM=288.59 INV=284.79(S) INV=284.79(E) INV=284.59(N)

San. M.H. RIM=292.42 INV=281.96(E) INV=281.96(S) INV=281.96(N)

Catch Basin Rim=291.58

Catch Basin Rim=292.04

Catch Basin Rim=291.46

HWM 29 HWM 28 HWM 27 HWM 26 HWM 25 HWM 23 HWM 22 HWM 21 HWM 20

WLF 46 WLF 45 WLF 44 WLF 43 WLF 42 WLF 41 WLF 40 WLF 39 WLF 38 WLF 37

C.P. 51 T.B. Spk. Set

C.P. 4 Rebar Set

CL&P #9993

CL&P #2101

CL&P #2100

CL&P #7922

CL&P #2098

Endwall

Ret. Wall

Ret. Wall

Ret. Wall

Ret. Wall

Conc. Walk

Bit. Curb

Bit. Curb

Bit. Curb

Bit. Curb

Bit. Drive

M.B.

M.B.

M.B.

M.B.

M.B.

W.G.

W.G.

W.G.

W.G.

W.G.

15" RCP

12" RCP

12" RCP

12" RCP

Water Main

Gas Meter

Grass

Stone Wall

?Fence

I.P. (Fnd.)

I.P. (Fnd.)

I.P. (Fnd.)

I.P. (Fnd.)

D.H. (Fnd.)

8"Maple

12"Hickory

15"Hickory

12" Pine

8" Pine

Sign Post

12" Maple

8" Pine

10" Pine

15" Pine

9" Pine

11" Pine

Newspaper Boxes

24"Oak

15" Maple

12"Maple

9" Pine

10" Pines

18" Dead

8" Pines

10" Pine

12"Pine

12"Pines

18" Pines

8"Twin Pine

12"Pine

18"Pine

15"Pine

Utility Pole No. Name/Number

MATCHLINE STA. SEE DWG. NO. EX-107

40 20 0 20 40

SCALE IN FEET

REV.	DATE	REVISION DESCRIPTION	SHEET NO.	PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: EX-100 EXISTING CONDITIONS PLAN – 1.DWG

SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: **EXISTING CONDITIONS PLAN - 9**

PROJECT NO. **3401**
DRAWING NO. **EX-108**
SHEET NO.

PC & PT Coordinates

STA.	NORTHING	EASTING
PC 24+04.04	820732.7455	946947.1065

CURVE DATA					
NO.	Δ	RADIUS	TANGENT	LENGTH	PC STATION
C1	001°02'04"	10000.00'	90.27'	180.53	24+04.04 (Shrub Rd Alignment)

40 20 0 20 40

SCALE: 1" = 20'

BURLINGTON AVE BASELINE
START STATION 10+00
N 946523.464
E 820746.119

BURLINGTON AVENUE BASELINE STA. 10+92 =
SHRUB ROAD BASELINE STA. 20+00
N 946549.619
E 820660.273

BURLINGTON AVE.

SHRUB ROAD

SHRUB ROAD BASELINE

S16° 56' 39"E
200.00'

N79° 40' 01"E
404.04'

10+00 11+00 20+00 21+00 22+00 23+00 24+00

PC 24+04.04

+27.15 +46.69 +38.42

C1

25+00

CRICKET HILL DRIVE

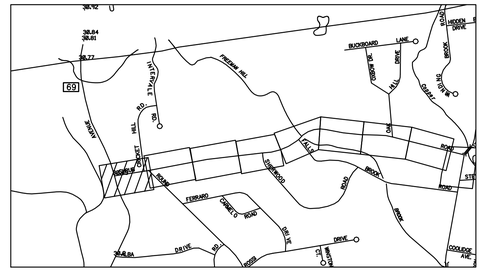
ROUND HILL ROAD

MATCHLINE STA. 25+50 SEE DWG. NO. CA-101

N/F
DRZEWIECKI, MARK A.

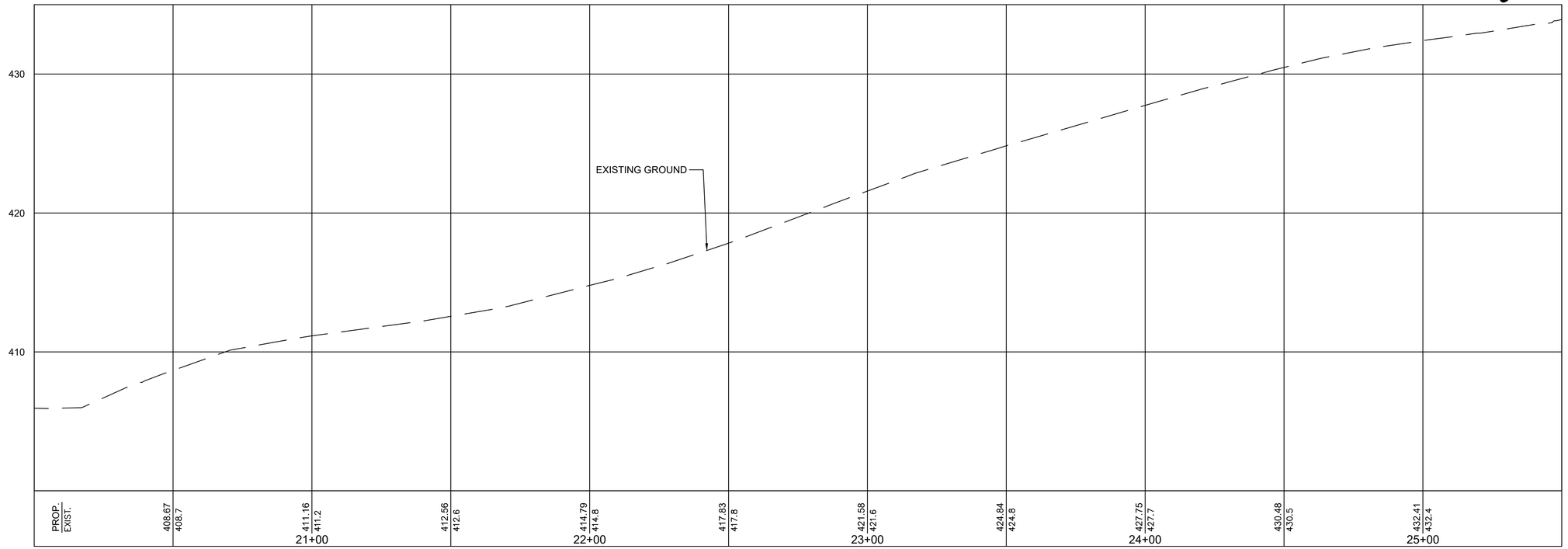
1166

N/F
BEYERS, DOROTHY L.



KEY PLAN

SCALE: 1" = 1000'



REV.	DATE	REVISION DESCRIPTION	SHEET NO.	PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: 3401-CA SERIES (ALIGNMENT PLANS).DWG

SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS
AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: **ALIGNMENT PLAN - 1**

PROJECT NO. **3401**
DRAWING NO. **CA-100**
SHEET NO.

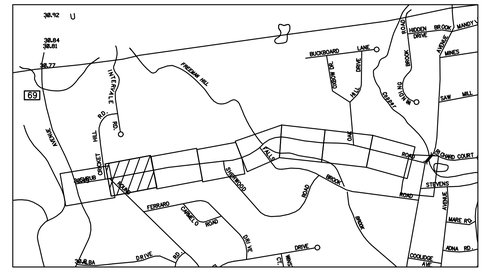
PC & PT Coordinates

STA.	NORTHING	EASTING
PT 25+84.57	820763.5215	947124.9878
PC 26+95.32	820781.4163	947234.2807
PT 27+91.96	820796.5709	947329.7285
PC 28+79.79	820809.9240	947416.5359
PT 29+75.48	820832.3252	947509.4547
PC 30+53.76	820856.9876	947583.7490

CURVE DATA					
NO.	Δ	RADIUS	TANGENT	LENGTH	PC STATION
C2	000°33'13"	10000.00'	48.32'	96.64	26+95.32 (Shrub Rd Alignment)
C3	009°37'08"	570.00'	47.96'	95.69	28+79.79 (Shrub Rd Alignment)
C4	012°43'26"	610.00'	68.01'	135.46	30+53.76 (Shrub Rd Alignment)

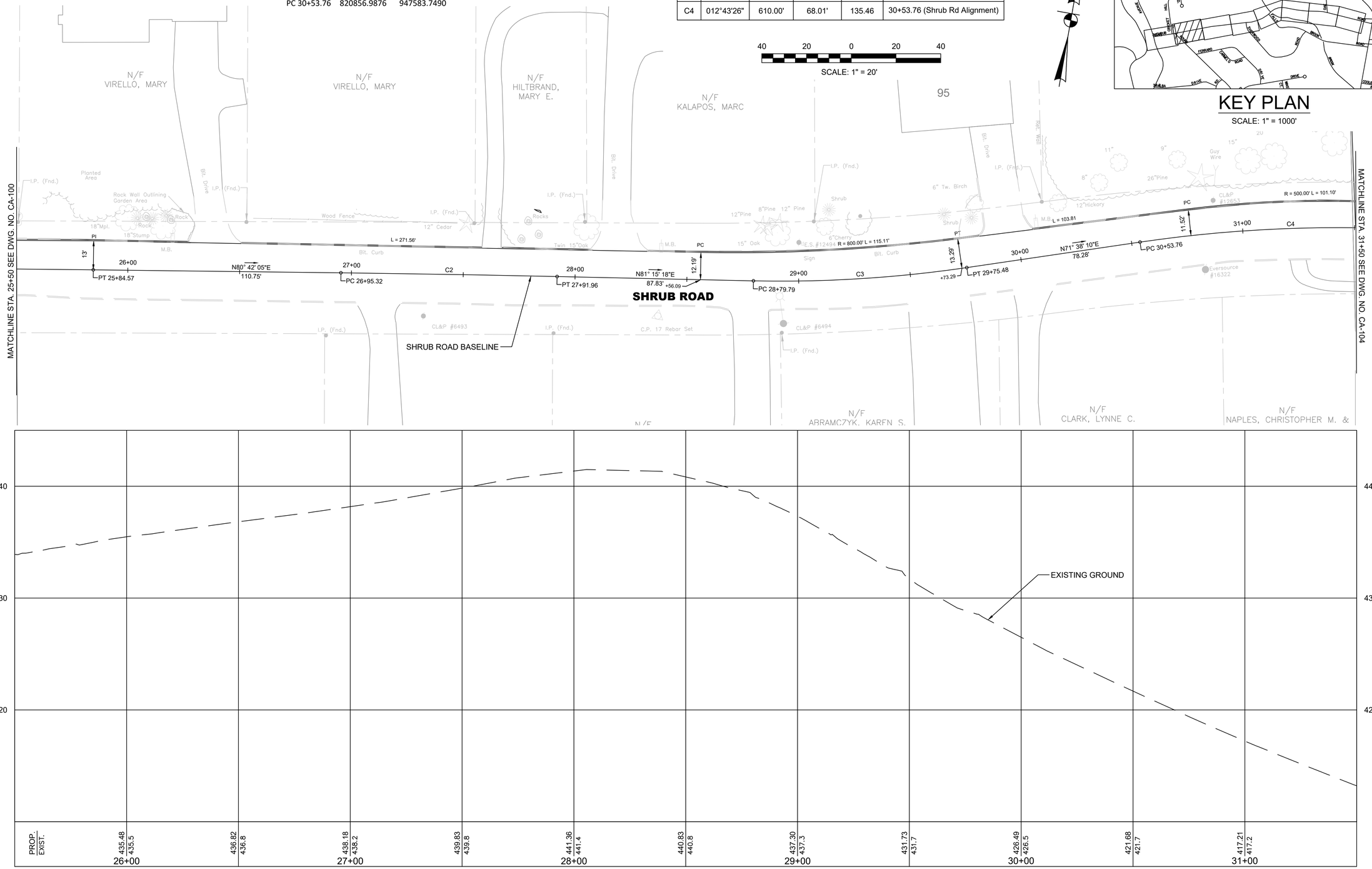
40 20 0 20 40

SCALE: 1" = 20'



KEY PLAN

SCALE: 1" = 1000'



REV.	DATE	REVISION DESCRIPTION	SHEET NO.	PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER: AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: 3401-CA SERIES (ALIGNMENT PLANS).DWG

SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: **ALIGNMENT PLAN - 2**

PROJECT NO. **3401**
DRAWING NO. **CA-101**
SHEET NO.

PC & PT Coordinates

STA.	NORTHING	EASTING
PT 31+89.23	820885.0990	947715.9802
PC 32+59.86	820892.0410	947786.2743
PT 33+77.61	820907.0541	947903.0392
PI 34+72.41	820921.9056	947996.6688
PC 35+77.98	820934.8476	948101.4465
PT 37+19.28	820950.1853	948241.9044

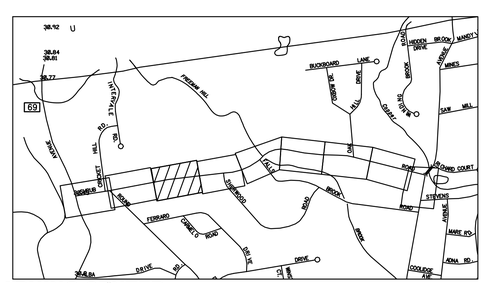
N/F
ENVIRONMENTAL LEARNING CENTERS
OF
CONNECTICUT INC.

ENVIROI

CURVE DATA					
NO.	Δ	RADIUS	TANGENT	LENGTH	PC STATION
C5	003°22'23"	2000.00'	58.89'	117.74	32+59.86 (Shrub Rd Alignment)
C6	001°37'09"	5000.00'	70.65'	141.30	35+77.98 (Shrub Rd Alignment)
C7	014°16'09"	1250.00'	156.46'	311.30	39+41.86 (Shrub Rd Alignment)

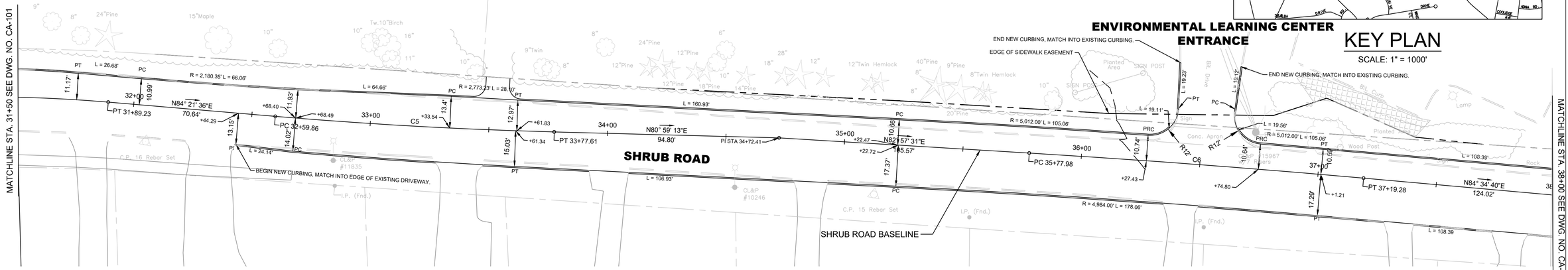
40 20 0 20 40

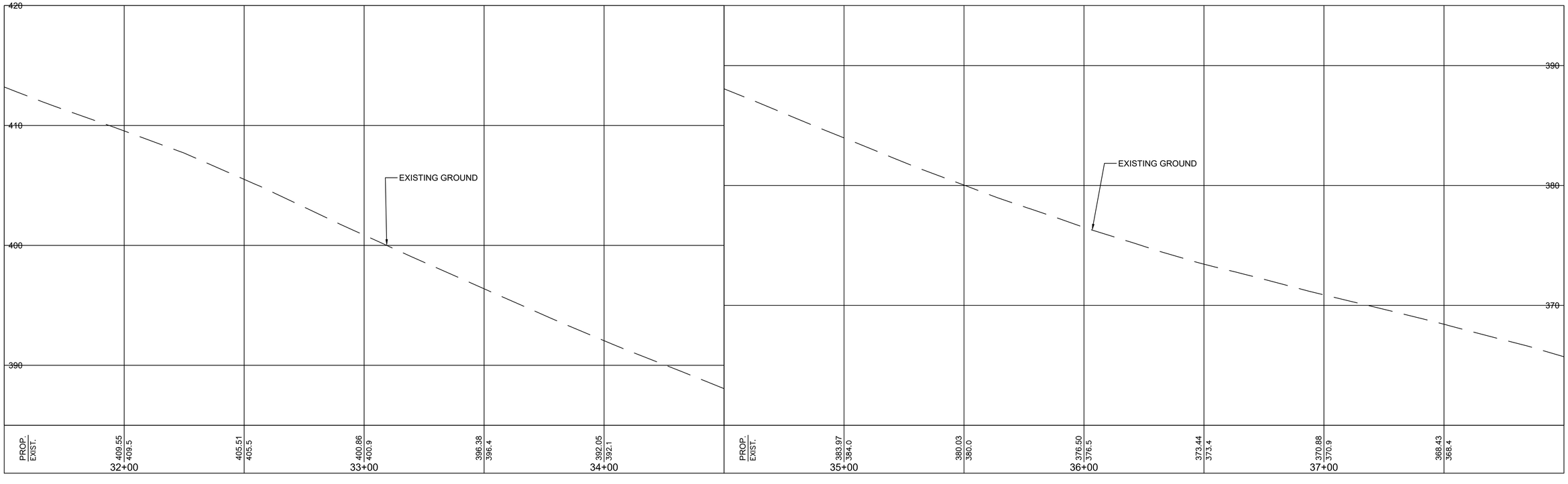
SCALE: 1" = 20'



KEY PLAN

SCALE: 1" = 1000'





REV.	DATE	REVISION DESCRIPTION	SHEET NO.	PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER: AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: 3401-CA SERIES (ALIGNMENT PLANS).DWG

SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS
AT SHRUB ROAD

TOWN: **BRISTOL, CT**
DRAWING TITLE: **ALIGNMENT PLAN - 3**

PROJECT NO. **3401**
DRAWING NO. **CA-102**
SHEET NO.

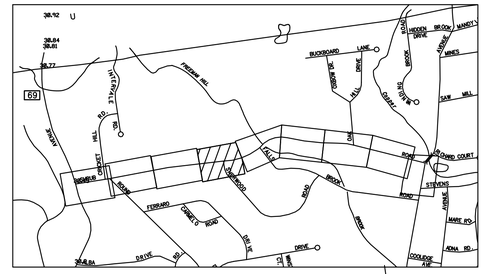
PC & PT Coordinates

STA.	NORTHING	EASTING
PI 38+43.30	820961.9050	948365.3737
PC 39+41.86	820968.7400	948463.6928
PT 42+53.16	821028.5776	948768.3721
PC 43+59.67	821061.9255	948869.5276

CURVE DATA					
NO.	Δ	RADIUS	TANGENT	LENGTH	PC STATION
C7	014°16'09"	1250.00'	156.46'	311.30	39+41.86 (Shrub Rd Alignment)
C8	015°02'12"	700.00'	92.39'	183.71	43+59.67 (Shrub Rd Alignment)

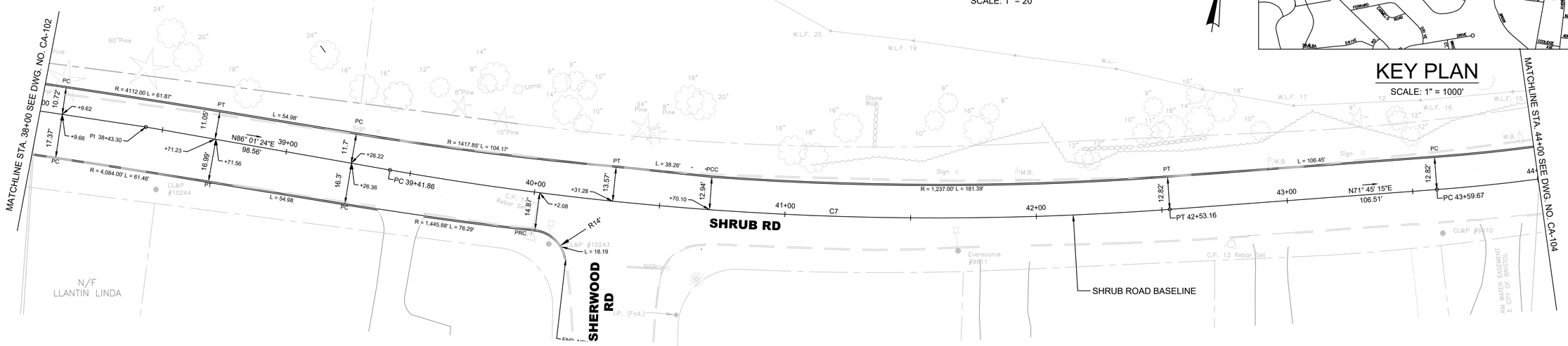
40 20 0 20 40

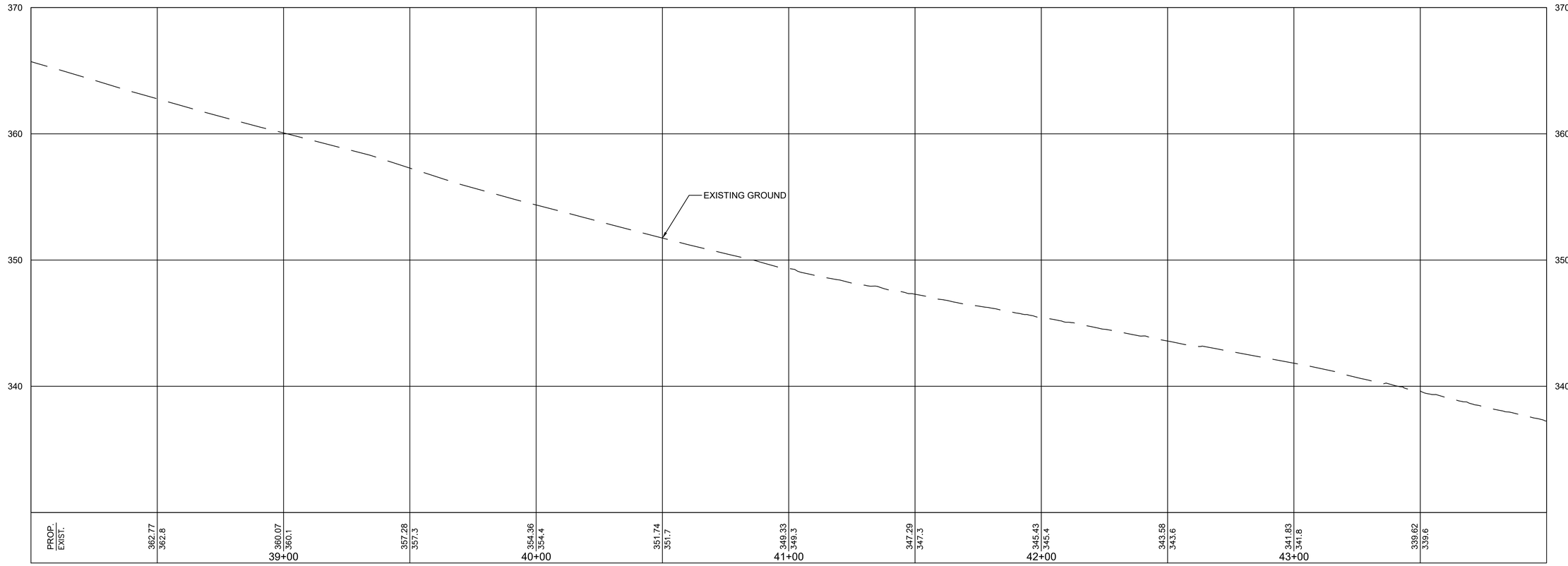
SCALE: 1" = 20'



KEY PLAN

SCALE: 1" = 1000'





REV.	DATE	REVISION DESCRIPTION	SHEET NO.	PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER: AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: 3401-CA SERIES (ALIGNMENT PLANS).DWG

SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: **ALIGNMENT PLAN - 4**

PROJECT NO. **3401**
DRAWING NO. **CA-103**
SHEET NO.

PC & PT Coordinates

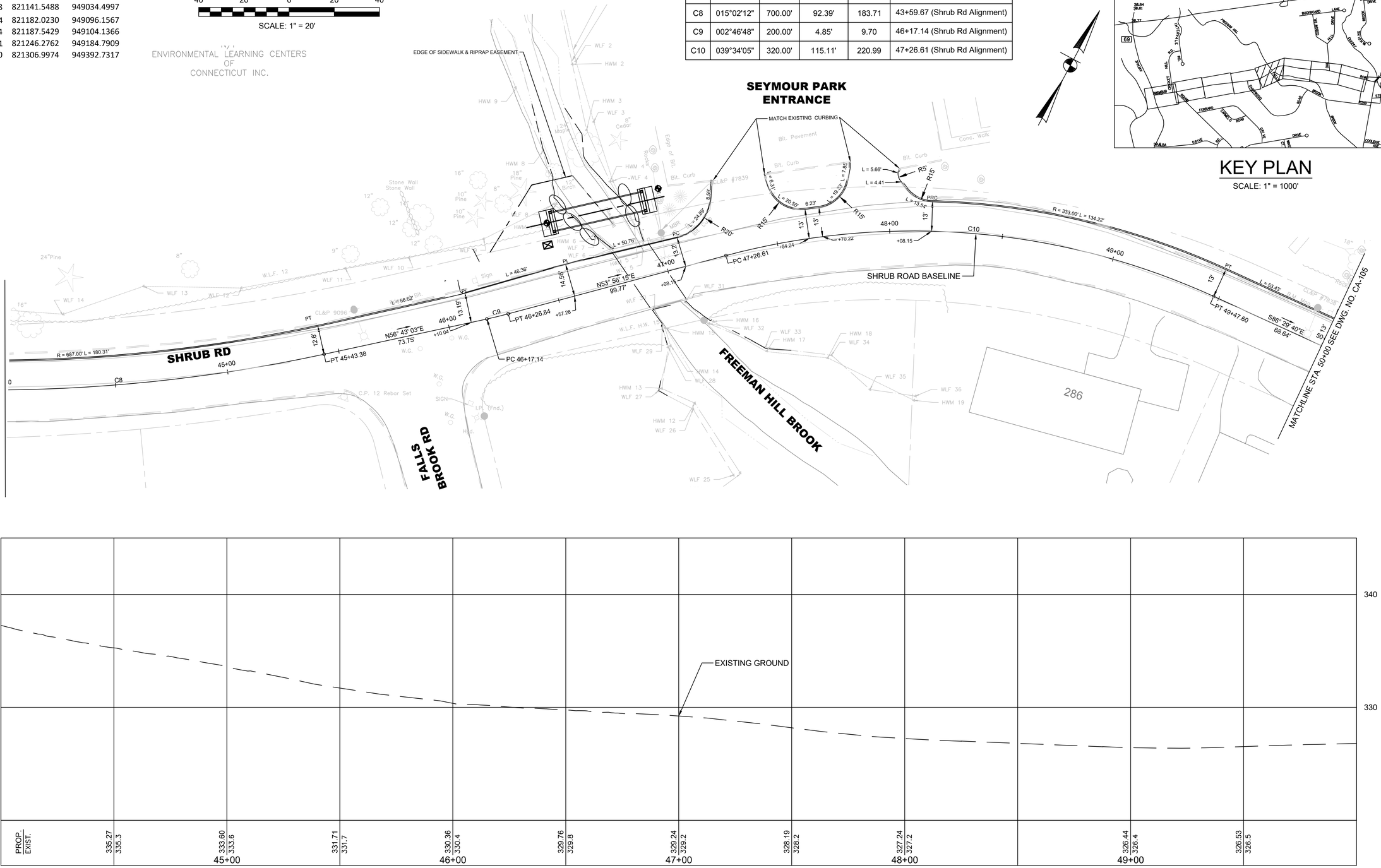
STA.	NORTHING	EASTING
PT 45+43.38	821141.5488	949034.4997
PC 46+17.14	821182.0230	949096.1567
PT 46+26.84	821187.5429	949104.1366
PC 47+26.61	821246.2762	949184.7909
PT 49+47.60	821306.9974	949392.7317

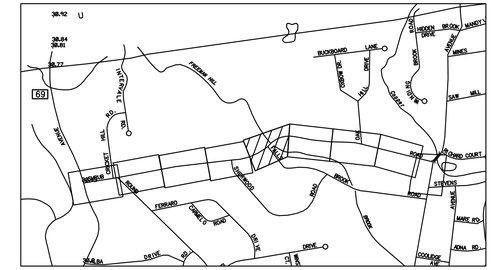
40 20 0 20 40

SCALE: 1" = 20'

ENVIRONMENTAL LEARNING CENTERS OF CONNECTICUT INC.

CURVE DATA					
NO.	Δ	RADIUS	TANGENT	LENGTH	PC STATION
C8	015°02'12"	700.00'	92.39'	183.71	43+59.67 (Shrub Rd Alignment)
C9	002°46'48"	200.00'	4.85'	9.70	46+17.14 (Shrub Rd Alignment)
C10	039°34'05"	320.00'	115.11'	220.99	47+26.61 (Shrub Rd Alignment)





KEY PLAN

SCALE: 1" = 1000'

REV.	DATE	REVISION DESCRIPTION	SHEET NO.	PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER: AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: 3401-CA SERIES (ALIGNMENT PLANS).DWG

SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: **ALIGNMENT PLAN - 5**

PROJECT NO. **3401**
DRAWING NO. **CA-104**
SHEET NO.

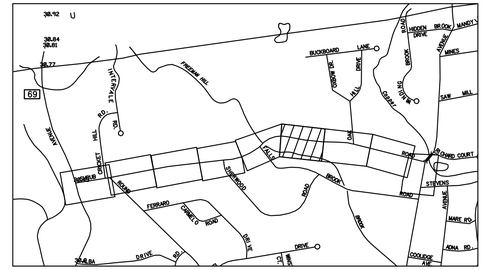
PC & PT Coordinates

STA.	NORTHING	EASTING
PC 50+16.24	821302.8004	949461.2410
PT 50+61.87	821299.6641	949506.7613
PC 51+78.47	821290.7653	949623.0182
PT 53+35.85	821279.9891	949780.0296
PC 53+99.75	821276.1152	949843.8170
PC 54+64.50	821270.1016	949908.2717

CURVE DATA					
NO.	Δ	RADIUS	TANGENT	LENGTH	PC STATION
C11	000°52'17"	3000.00'	22.81'	45.63	50+16.24 (Shrub Rd Alignment)
C12	000°54'06"	10000.00'	78.69'	157.38	51+78.47 (Shrub Rd Alignment)
C13	003°42'35"	1000.00'	32.38'	64.75	53+99.75 (Shrub Rd Alignment)

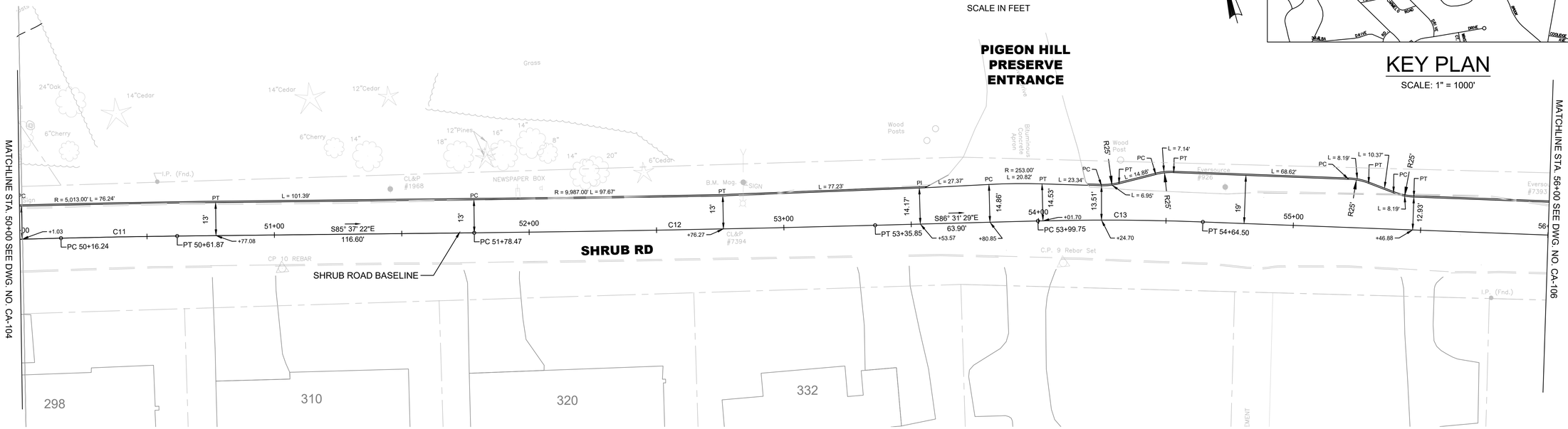
40 20 0 20 40

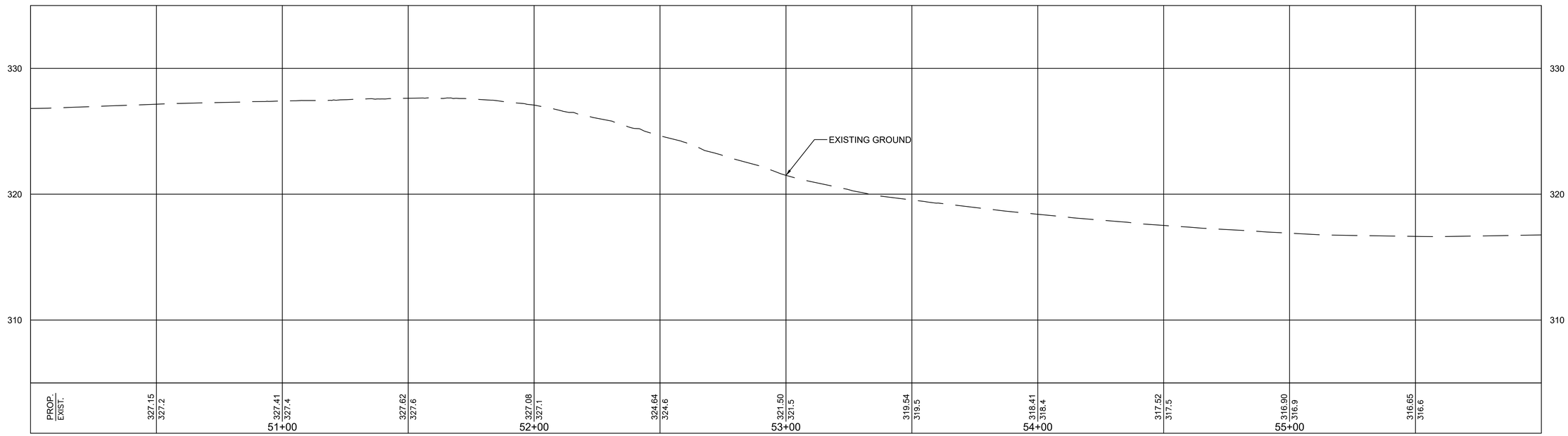
SCALE IN FEET



KEY PLAN

SCALE: 1" = 1000'





REV.	DATE	REVISION DESCRIPTION	SHEET NO.	PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER: AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: 3401-CA SERIES (ALIGNMENT PLANS).DWG

SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: **ALIGNMENT PLAN - 6**

PROJECT NO. **3401**
DRAWING NO. **CA-105**
SHEET NO.

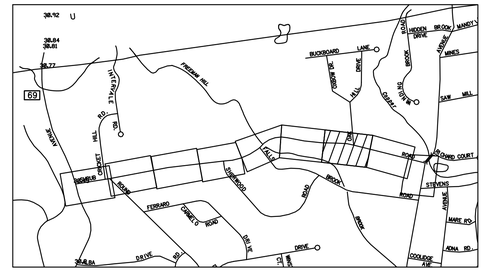
PC & PT Coordinates

STA.	NORTHING	EASTING
PC 57+31.51	821236.7056	950173.1847
PT 57+61.79	821233.3741	950203.2760
PC 58+60.28	821224.0185	950301.3281
PT 59+98.56	821202.9919	950437.9179

CURVE DATA					
NO.	Δ	RADIUS	TANGENT	LENGTH	PC STATION
C14	001°44'05"	1000.00'	15.14'	30.28	57+31.51 (Shrub Rd Alignment)
C15	006°36'08"	1200.00'	69.21'	138.28	58+60.28 (Shrub Rd Alignment)

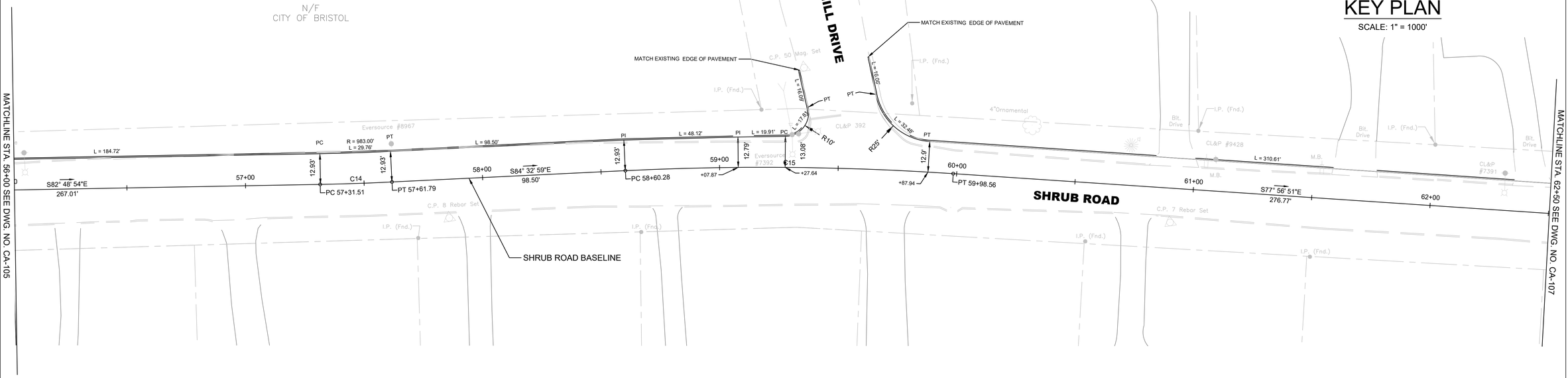
40 20 0 20 40

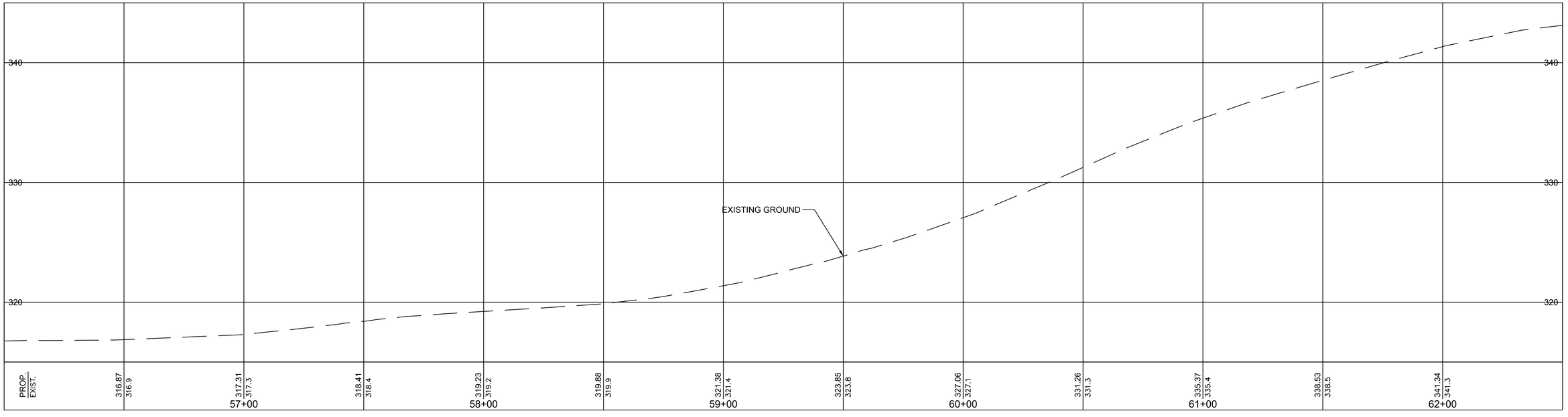
SCALE: 1" = 20'



KEY PLAN

SCALE: 1" = 1000'





REV.	DATE	REVISION DESCRIPTION	SHEET NO.	PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: 3401-CA SERIES (ALIGNMENT PLANS).DWG

SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS AT SHRUB ROAD

TOWN: **BRISTOL, CT**

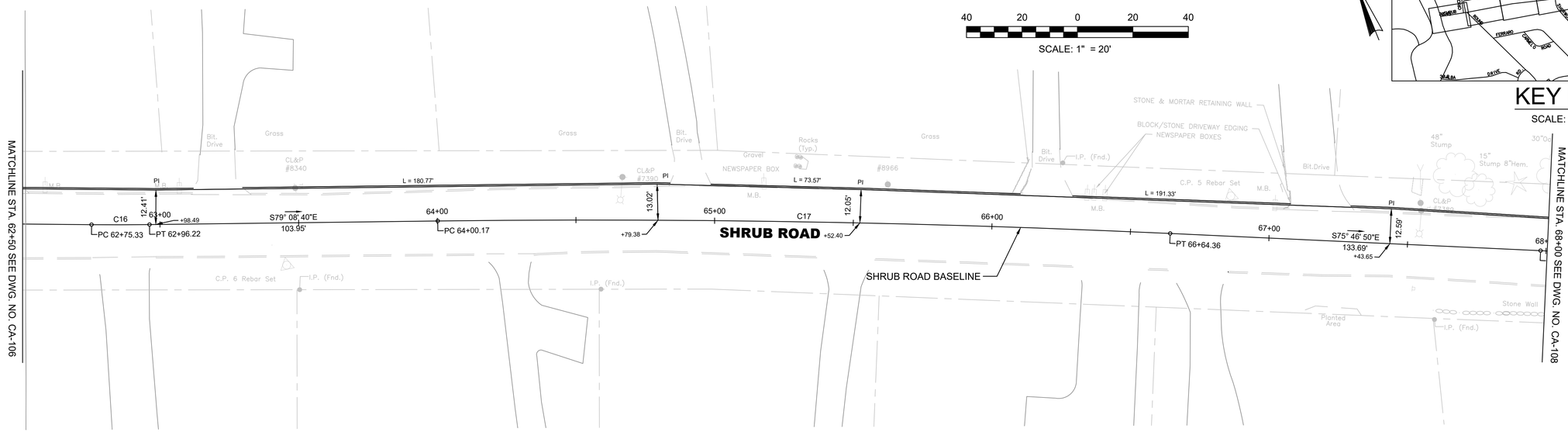
DRAWING TITLE: **ALIGNMENT PLAN - 7**

PROJECT NO. **3401**
DRAWING NO. **CA-106**
SHEET NO.

PC & PT Coordinates

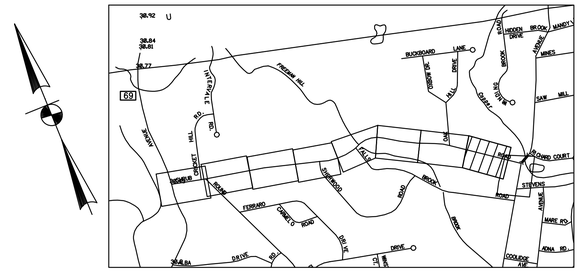
STA.	NORTHING	EASTING
PC 62+75.33	821145.1993	950708.5910
PT 62+96.22	821141.0513	950729.0628
PC 64+00.17	821121.4746	950301.1482
PT 66+64.36	821064.1328	951089.0003

CURVE DATA					
NO.	Δ	RADIUS	TANGENT	LENGTH	PC STATION
C16	001°11'48"	1000.00'	10.44'	20.89	62+75.33 (Shrub Rd Alignment)
C17	003°21'50"	4500.00'	132.13'	264.19	64+00.17 (Shrub Rd Alignment)



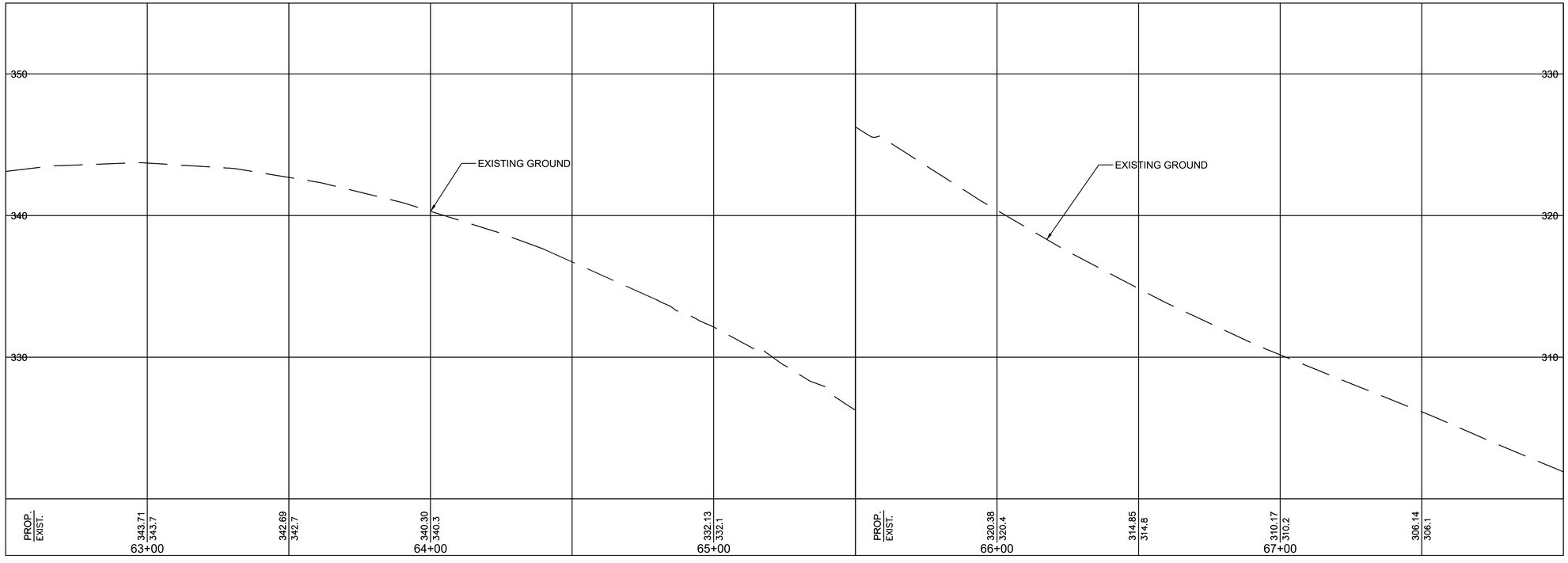
40 20 0 20 40

SCALE: 1" = 20'



KEY PLAN

SCALE: 1" = 1000'



REV.	DATE	REVISION DESCRIPTION	SHEET NO.	PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: 3401-CA SERIES (ALIGNMENT PLANS).DWG

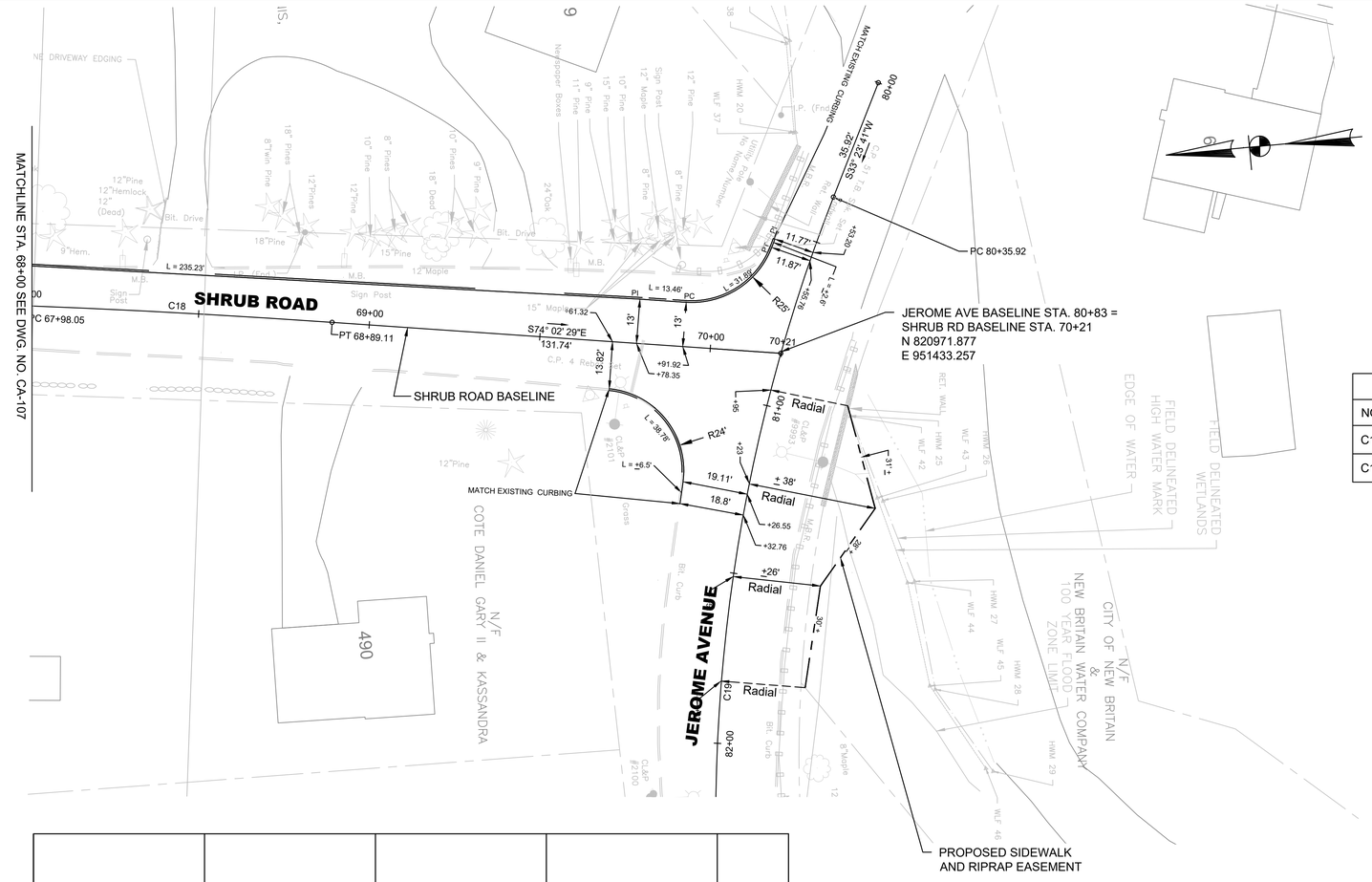
SIGNATURE/ BLOCK:

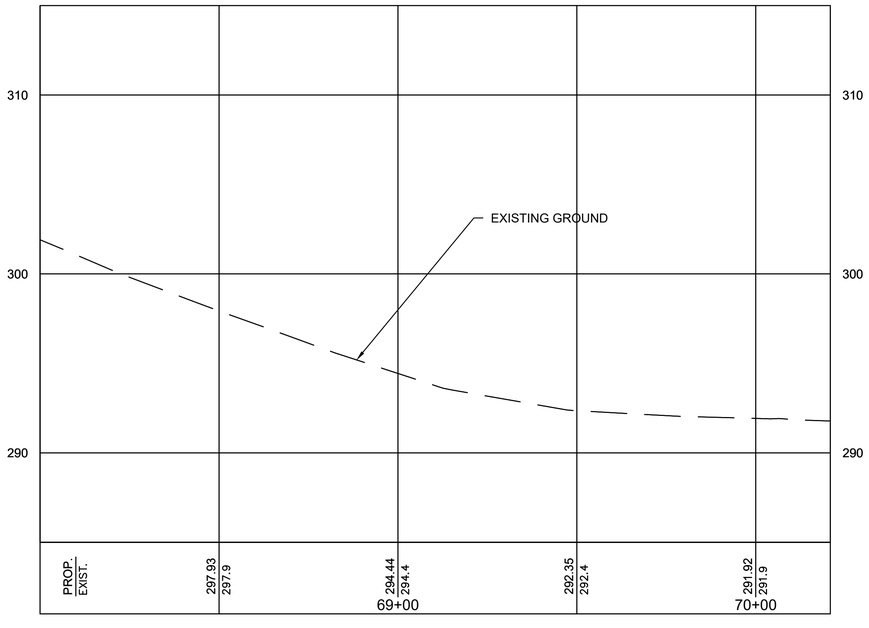
PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS
AT SHRUB ROAD

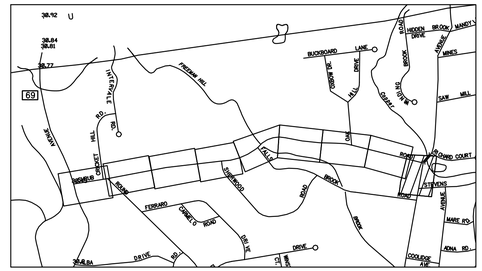
TOWN: **BRISTOL, CT**

DRAWING TITLE: **ALIGNMENT PLAN - 8**

PROJECT NO. **3401**
DRAWING NO. **CA-107**
SHEET NO.







KEY PLAN

SCALE: 1" = 1000'

CURVE DATA					
NO.	Δ	RADIUS	TANGENT	LENGTH	PC STATION
C18	001°44'21"	3000.00'	45.54'	91.06	67+98.05 (Shrub Rd Alignment)
C19	028°03'24"	500.00'	124.93'	244.84	80+35.92 (Jerome Ave. Alignment)

40 20 0 20 40

SCALE: 1" = 20'

PC & PT Coordinates

STA.	NORTHING	EASTING
PC 67+98.05	821031.2930	951218.5969
PT 68+98.11	821007.5883	951306.5171
PC 80+35.92	821012.9179	951457.5865

REV.	DATE	REVISION DESCRIPTION	SHEET NO.	PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER: AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: 3401-CA SERIES (ALIGNMENT PLANS).DWG

SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS
AT SHRUB ROAD

TOWN: **BRISTOL, CT**

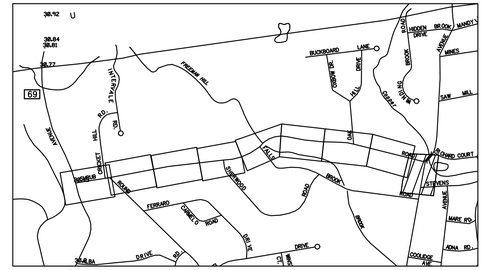
DRAWING TITLE: **ALIGNMENT PLAN - 9**

PROJECT NO. **3401**
DRAWING NO. **CA-108**
SHEET NO.

CURVE DATA					
NO.	Δ	RADIUS	TANGENT	LENGTH	PC STATION
C18	001°44'21"	3000.00'	45.54'	91.06	67+98.05 (Shrub Rd Alignment)
C19	028°03'24"	500.00'	124.93'	244.84	80+35.92 (Jerome Ave. Alignment)

40 20 0 20 40

SCALE IN FEET



KEY PLAN

SCALE: 1" = 1000'

JEROME AVE BASELINE STA. 80+83 = SHRUB RD BASELINE STA. 70+21
N 820971.877

JEROME AVE BASELINE
START STATION 80+00
N 821042.909
E 951477.358

EDGE OF SIDEWALK AND RIPRAP EASEMENT

PC 80+35.92

JEROME AVE BASELINE
END STATION 85+00
N 820565.946
E 951356.809

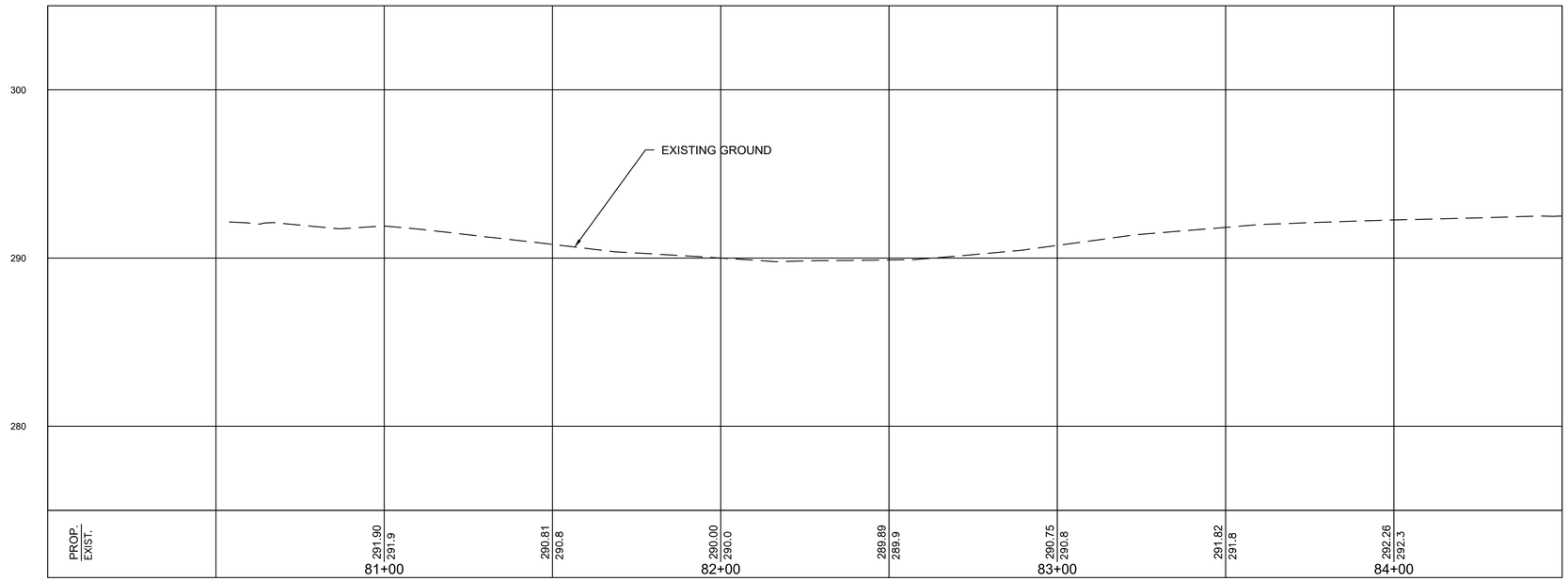
PT 82+80.76

JEROME AVENUE

SHRUB ROAD

STEVENS STREET

MATCHLINE STA. 68+00 SEE DWG. NO. CA-108



PC & PT Coordinates

STA.	NORTHING	EASTING
PC 80+35.92	821012.9179	951467.5865
PT 80+82.76	820784.2311	951377.2041

REV.	DATE	REVISION DESCRIPTION	SHEET NO.	PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER: AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: 3401-CA SERIES (ALIGNMENT PLANS).DWG

SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS AT SHRUB ROAD

TOWN: **BRISTOL, CT**
DRAWING TITLE: **ALIGNMENT PLAN - 10**

PROJECT NO. **3401**
DRAWING NO. **CA-109**
SHEET NO.

D3 – SERIES

1 SIGN →

D3-1

Variable Road Name

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
_6.00	48X18	51–2004	2	.100
_7.50	60X18	51–2001	2	.100
_9.00	72X18	51–2002	2	.125
10.50	84X18	51–2003	2	.125

R1 – SERIES

1 SIGN →

R1-1

STOP

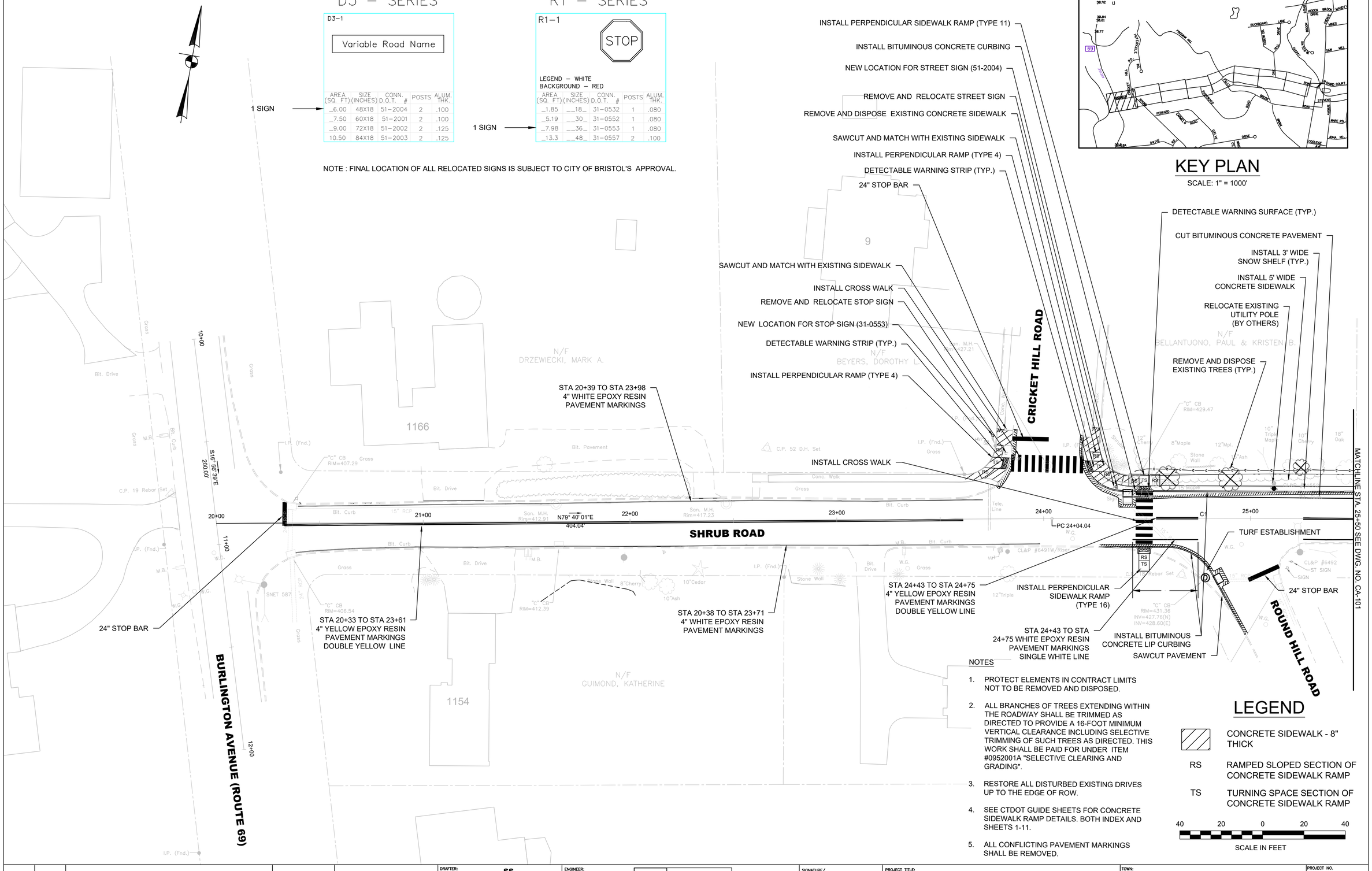
LEGEND – WHITE
BACKGROUND – RED

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
_1.85	__18_	31–0532	1	.080
_5.19	__30_	31–0552	1	.080
_7.98	__36_	31–0553	1	.080
_13.3	__48_	31–0557	2	.100

NOTE : FINAL LOCATION OF ALL RELOCATED SIGNS IS SUBJECT TO CITY OF BRISTOL'S APPROVAL.

KEY PLAN

SCALE: 1" = 1000'



NOTES

1. PROTECT ELEMENTS IN CONTRACT LIMITS NOT TO BE REMOVED AND DISPOSED.
2. ALL BRANCHES OF TREES EXTENDING WITHIN THE ROADWAY SHALL BE TRIMMED AS DIRECTED TO PROVIDE A 16-FOOT MINIMUM VERTICAL CLEARANCE INCLUDING SELECTIVE TRIMMING OF SUCH TREES AS DIRECTED. THIS WORK SHALL BE PAID FOR UNDER ITEM #0952001A "SELECTIVE CLEARING AND GRADING".
3. RESTORE ALL DISTURBED EXISTING DRIVES UP TO THE EDGE OF ROW.
4. SEE CTDOT GUIDE SHEETS FOR CONCRETE SIDEWALK RAMP DETAILS. BOTH INDEX AND SHEETS 1-11.
5. ALL CONFLICTING PAVEMENT MARKINGS SHALL BE REMOVED.

LEGEND

CONCRETE SIDEWALK - 8" THICK

RS RAMPED SLOPED SECTION OF CONCRETE SIDEWALK RAMP

TS TURNING SPACE SECTION OF CONCRETE SIDEWALK RAMP

40 20 0 20 40

SCALE IN FEET

REV.	DATE	REVISION DESCRIPTION	SHEET NO.	PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: 3401-CP SERIES (SITE PLANS).DWG

SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: **SITE PLAN - 1**

PROJECT NO. **3401**
DRAWING NO. **CP-100**
SHEET NO.

NOTE : FINAL LOCATION OF ALL RELOCATED SIGNS IS SUBJECT TO CITY OF BRISTOL'S APPROVAL.

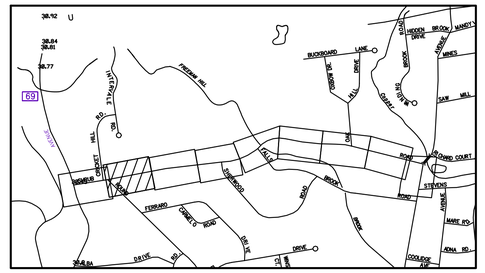
W? – SERIES

W?

HIDDEN DRIVEWAY

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36		1	.080
16.00	48		2	.100

1 SIGN



KEY PLAN

SCALE: 1" = 1000'

INSTALL 5' WIDE CONCRETE SIDEWALK (TYP.)

INSTALL 3' WIDE SNOW SHELF (TYP.)

REMOVE AND DISPOSE EXISTING TREE (TYP.)

REMOVE AND RELOCATE STONES TO BE PAID FOR UNDER ITEM #0201198

SEDIMENTATION CONTROL SYSTEM (TYP.)

REMOVE BLOCK/STONE DRIVEWAY EDGING TO BE PAID FOR UNDER ITEM #0201198 "REMOVE AND RELOCATE STONES"

STA 24+29 TO STA 46+01
4" WHITE EPOXY RESIN
PAVEMENT MARKINGS

CONCRETE SIDEWALK - 8" THICK (HATCHED AREA) (TYP.)

REMOVE AND RESTORE EXISTING ASPHALT DRIVEWAY (TYP.)

REMOVE AND RELOCATE EXISTING MAILBOX

REMOVE AND DISPOSE EXISTING TREE (TYP.)

RELOCATE EXISTING UTILITY POLE (BY OTHERS)

REMOVE AND RELOCATE STREET SIGN

REMOVE AND DISPOSE EXISTING VEGETATION (TYP.)

CUT BITUMIOUS CONCRETE PAVEMENT (TYP.)

REMOVE AND RELOCATE EXISTING MAILBOX

CUT BITUMIOUS CONCRETE PAVEMENT (TYP.)

RELOCATE EXISTING UTILITY POLE BY OTHERS

DRIVEWAY CROSSING SIDEWALK RAMPS (TYPE 30)

STA 25+25 TO STA 33+50
4" YELLOW EPOXY RESIN
PAVEMENT MARKINGS
DOUBLE YELLOW LINE

NEW LOCATION FOR SIGN (W - Series)

STA 25+26 TO STA 40+01
4" WHITE EPOXY RESIN
PAVEMENT MARKINGS
SINGLE WHITE LINE

N/F VIRELLO, MARY

N/F VIRELLO, MARY

N/F HILTBRAND, MARY E.

N/F KALAPOS, MARC

N/F BARTOSCH, RICHARD J.

N/F ENVIRONMENTAL LEARNING CENTERS OF CONNECTICUT INC.

N/F COLLINS, PATRICK W. & KAREN

N/F MORNEAULT, GARY M.

N/F DROST, JODY P. & LISA K.

N/F ABRAMCZYK, KAREN S.

N/F CLARK, LYNNE C.

N/F NAPLES, CHRISTOPHER M. & MORGAN, BRYANA L.

55 85 95 58 70 80 90

NOTES

1. PROTECT ELEMENTS IN CONTRACT LIMITS NOT TO BE REMOVED AND DISPOSED.
2. ALL BRANCHES OF TREES EXTENDING WITHIN THE ROADWAY SHALL BE TRIMMED AS DIRECTED TO PROVIDE A 16-FOOT MINIMUM VERTICAL CLEARANCE INCLUDING SELECTIVE TRIMMING OF SUCH TREES AS DIRECTED. THIS WORK SHALL BE PAID FOR UNDER ITEM #0952001A "SELECTIVE CLEARING AND GRADING".
3. RESTORE ALL DISTURBED EXISTING DRIVES UP TO THE EDGE OF ROW.
4. SEE CTDOT GUIDE SHEETS FOR CONCRETE SIDEWALK RAMP DETAILS. BOTH INDEX AND SHEETS 1-11.
5. ALL CONFLICTING PAVEMENT MARKINGS SHALL BE REMOVED.

LEGEND

- CONCRETE SIDEWALK - 8" THICK
- REMOVE AND RESTORE EXISTING BITUMINOUS CONCRETE DRIVEWAY
- CUT BITUMINOUS CONCRETE PAVEMENT DRIVEWAY/ROADWAY
- RS — RAMPED SLOPED SECTION OF CONCRETE SIDEWALK RAMP
- TS — TURNING SPACE SECTION OF CONCRETE SIDEWALK RAMP

40 20 0 20 40

SCALE IN FEET

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457

FILENAME: 3401-CP SERIES (SITE PLANS).DWG

SIGNATURE/ BLOCK:

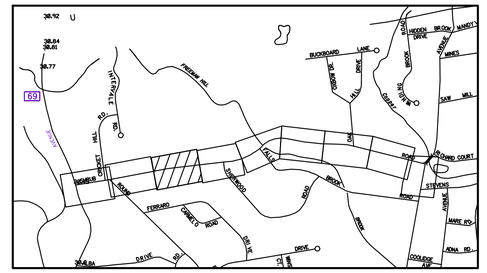
PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: **SITE PLAN - 2**

PROJECT NO. **3401**
DRAWING NO. **CP-101**
SHEET NO.

NOTE: A LICENSED ARBORIST SHALL BE PRESENT AND SUPERVISE THE CONSTRUCTION OF THE CONCRETE SIDEWALK AROUND THE OAK TREE THAT IS BEING SAVED AT THE ENTRANCE OF THE ENVIRONMENTAL LEARNING. CENTER.



KEY PLAN

SCALE: 1" = 1000'

CUT BITUMINOUS CONCRETE PAVEMENT

CONCRETE SIDEWALK - 8" THICK

REMOVE EXISTING CONCRETE APRON AND INSTALL BITUMINOUS APRON

NEW LOCATION FOR SIGN (31-0532)

CUT BITUMINOUS CONCRETE PAVEMENT

REMOVE CURB FOR RAMP INSTALLATION ON BOTH SIDES OF DRIVEWAY

SEDIMENTATION CONTROL SYSTEM (TYP.)

REMOVE AND RELOCATE SIGN

INSTALL 5' WIDE CONCRETE SIDEWALK (TYP.)

INSTALL BITUMINOUS CONCRETE LIP CURBING (TYP.)

INSTALL 3' WIDE SNOW SHELF (TYP.)

INSTALL NEW BITUMINOUS DRIVEWAY APRON FOR THE ENVIRONMENTAL LEARNING CENTER

INSTALL 4' WIDE CROSS HATCHED ISLAND (TYP.)

INSTALL ONE-DIRECTION RAMP (TYPE 16)

REMOVE AND DISPOSE EXISTING VEGETATION (TYP.)

ENVIRONMENTAL LEARNING CENTER ENTRANCE

REMOVE AND RESTORE EXISTING ASPHALT DRIVEWAY

DETECTABLE WARNING SURFACE (TYP.)

INSTALL ONE-DIRECTION RAMP (TYPE 16)

EROSION CONTROL MATTING - TYPE H (HATCHED AREA) (TYP).

STA 37+27 TO STA 37+44
6" YELLOW EPOXY RESIN
DASHED YELLOW LINES
(2' LONG, 4' SPACE)

NEW LOCATION FOR SIGN (31-5505)

REMOVE AND RELOCATE SIGN

STA 24+29 TO STA 46+01
4" WHITE EPOXY RESIN
PAVEMENT MARKINGS

MATCHLINE STA. 31+50 SEE DWG. NO. CP-101

MATCHLINE STA. 38+00 SEE DWG. NO. CP-103

STA 25+25 TO STA 33+50
4" YELLOW EPOXY RESIN
PAVEMENT MARKINGS
DOUBLE YELLOW LINE

STA 25+26 TO STA 40+01
4" WHITE EPOXY RESIN
PAVEMENT MARKINGS

STA 25+25 TO STA 33+50
6" YELLOW EPOXY RESIN
PAVEMENT MARKINGS
ISLAND HATCHING

STA 33+92 TO STA 34+11
6" YELLOW EPOXY RESIN
DASHED YELLOW LINES
(2' LONG, 4' SPACE)

STA 33+77 TO STA 34+96
6" YELLOW EPOXY RESIN
DASHED YELLOW LINES
(2' LONG, 4' SPACE)

STA 34+10 TO STA 34+79
6" YELLOW EPOXY RESIN
PAVEMENT MARKINGS
ISLAND HATCHING

STA 34+94 TO STA 36+27
6" YELLOW EPOXY RESIN
PAVEMENT MARKINGS
ISLAND HATCHING

STA 36+23 TO STA 36+76
6" YELLOW EPOXY RESIN
DASHED YELLOW LINES
(2' LONG, 4' SPACE)

RELOCATE EXISTING UTILITY POLE (BY OTHERS)

OAK TREE TO BE SAVED

REMOVE AND DISPOSE EXISTING VEGETATION (TYP.)

STA 36+74 TO STA 37+29
6" YELLOW EPOXY RESIN
PAVEMENT MARKINGS
ISLAND HATCHING

STA 37+73 TO STA 37+92
6" YELLOW EPOXY RESIN
DASHED YELLOW LINES
(2' LONG, 4' SPACE)

STA 37+42 TO STA 37+75
6" YELLOW EPOXY RESIN
PAVEMENT MARKINGS
ISLAND HATCHING

N/F ENVIRONMENTAL LEARNING CENTERS OF CONNECTICUT INC.

N/F ENVIRONMENTAL LEARNING CENTERS OF CONNECTICUT INC.

N/F SHORETTE ANDREW & JENNIFER J.

N/F CARTER, LAURIE A.

N/F KANE, MARGARET M.

N/F SOUTHWARD STEPHEN

N/F SAVAGE KEVIN & AMANDA

N/F VANASSE GILBERT J. & SHARON L.

122 130 142 152 162 172

R2 – SERIES

R2–1

SPEED LIMIT 30

1 SIGN

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	24X30	31–5505	1	.080
7.50	30X36	31–5504	1	.080
12.00	36X48	31–5506	2	.100
20.00	48X60	31–5507	2	.100

R1 – SERIES

R1–1

STOP

LEGEND – WHITE
BACKGROUND – RED

1 SIGN

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
1.85	18	31–0532	1	.080
5.19	30	31–0552	1	.080
7.98	36	31–0553	1	.080
13.3	48	31–0557	2	.100

NOTE : FINAL LOCATION OF ALL RELOCATED SIGNS IS SUBJECT TO CITY OF BRISTOL'S APPROVAL.

NOTES

1. PROTECT ELEMENTS IN CONTRACT LIMITS NOT TO BE REMOVED AND DISPOSED.
2. ALL BRANCHES OF TREES EXTENDING WITHIN THE ROADWAY SHALL BE TRIMMED AS DIRECTED TO PROVIDE A 16-FOOT MINIMUM VERTICAL CLEARANCE INCLUDING SELECTIVE TRIMMING OF SUCH TREES AS DIRECTED. THIS WORK SHALL BE PAID FOR UNDER ITEM #0952001A "SELECTIVE CLEARING AND GRADING".
3. RESTORE ALL DISTURBED EXISTING DRIVES UP TO THE EDGE OF ROW.
4. SEE CTDOT GUIDE SHEETS FOR CONCRETE SIDEWALK RAMP DETAILS. BOTH INDEX AND SHEETS 1-11.
5. ALL CONFLICTING PAVEMENT MARKINGS SHALL BE REMOVED.

LEGEND

- REMOVE AND INSTALL CONCRETE SIDEWALK
- REMOVE AND RESTORE EXISTING BITUMINOUS CONCRETE DRIVEWAY
- CUT BITUMINOUS CONCRETE PAVEMENT DRIVEWAY/ROADWAY
- RS — RAMPED SLOPED SECTION OF CONCRETE SIDEWALK RAMP
- TS — TURNING SPACE SECTION OF CONCRETE SIDEWALK RAMP

40 20 0 20 40

SCALE IN FEET

REV.	DATE	REVISION DESCRIPTION	SHEET NO.	PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457

FILENAME: 3401–CP SERIES (SITE PLANS).DWG

SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: **SITE PLAN - 3**

PROJECT NO. **3401**
DRAWING NO. **CP-102**
SHEET NO.

NOTE : FINAL LOCATION OF ALL RELOCATED SIGNS IS SUBJECT TO CITY OF BRISTOL'S APPROVAL.

R? – SERIES

R?

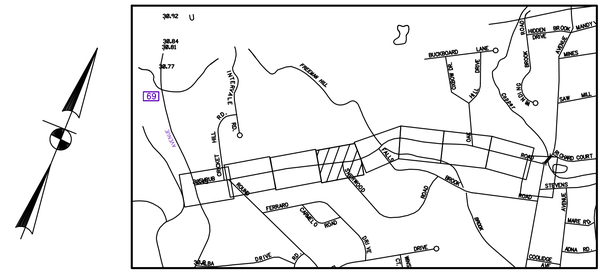
NO LITTERING OR DUMPING

VARIABLE TIMES
(R)
(D)
(L)

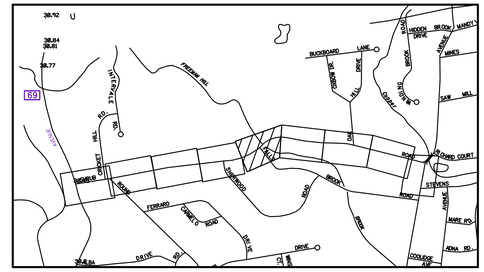
LEGEND – RED
BACKGROUND – WHITE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
1.50	12X18		1	.080

3 SIGNS →


69
FREEDOM HILL
BUCKSHAWL LANE
HIDDEN BROOK DRIVE
MARKEY
MIKES
SAW MILL
STEVENS
ROAD
DRIVE
COURT
FERRARO
CHARLES ROAD
DRIVE
DRIVE
DRIVE

NOTE:
PROPOSED RETAINING WALL IS FULLY CONTRACTOR DELEGATED DESIGN, INCLUDING THE GEOTECHNICAL ENGINEERING SCOPE FOR DESIGNING THE WALL. BLOCK MATERIALS SUBJECT TO THE CITY OF BRISTOL APPROVAL.



INSTALL PEDESTRIAN BRIDGE (SEE STRUCTURE DETAILS)
RIPRAP SLOPE PROTECTION
INSTALL 5' LONG RETAINING WALL RETAINING WALL SHALL BE INBEDDED 42 INCHES INTO EXISTING GROUND AND PINNED THE PEDESTRIAN BRIDGE ABUTMENTS TO BE PAID FOR UNDER ITEM #0601654A "RETAINING WALL SITE NO. 4"
SIDEWALK TRANSITION FROM 5' WIDE TO 8' WIDE
WOOD RAIL FENCE TO BE PAID FOR UNDER ITEM #0913992A " DECORATIVE FENCE"
SEDIMENTATION CONTROL SYSTEM (TYP.)
INSTALL BITUMINOUS CONCRETE LIP CURBING (TYP.)
INSTALL SNOW SHELF (TYP.)
INSTALL 5' WIDE CONCRETE SIDEWALK (TYP.)
STA 24+29 TO STA 46+01 4" WHITE EPOXY RESIN PAVEMENT MARKINGS SINGLE WHITE LINE
STA 40+69 TO STA 45+30 4" WHITE EPOXY RESIN PAVEMENT MARKINGS SINGLE WHITE LINE
MATCHLINE STA. 44+00 SEE DWG. NO. CP-103
STA 40+69 TO STA 45+30 4" WHITE EPOXY RESIN PAVEMENT MARKINGS
STA 40+69 TO STA 45+30 4" YELLOW EPOXY RESIN PAVEMENT MARKINGS DOUBLE YELLOW LINE
NEW LOCATION FOR SIGN (31-0552)
24" STOP BAR
REMOVE AND RELOCATE EXISTING SIGN
INSTALL PERPENDICULAR RAMP (TYPE 13)
INSTALL CROSS WALK
RELOCATE EXISTING UTILITY POLE (BY OTHERS)
REMOVE EXISTING SHRUB
REMOVE AND RELOCATE STONES TO BE FOR UNDER ITEM #0201198 (TYP.) "REMOVE AND RELOCATE STONES"
INSTALL SINGLE-DIRECTION RAMP (TYPE 17)
INSTALL 5' WIDE CONCRETE SIDEWALK
INSTALL SINGLE-DIRECTION RAMP (TYPE 17)
SAWCUT AND REMOVE PAVEMENT
REMOVE PAVEMENT AND INSTALL CONCRETE SIDEWALK
INSTALL SINGLE-DIRECTION RAMP (TYPE 17)
INSTALL PERPENDICULAR RAMP (TYPE 19)
AREA TO BE CLEARED OF VEGETATION BACK TO THE RIGHT OF WAY LINE TO IMPROVE SITE LINE AROUND THE CORNER.
CONCRETE SIDEWALK - 8" THICK
CUT BITUMINOUS CONCRETE PAVEMENT
DETECTABLE WARNING SURFACE (TYP.)
INSTALL SINGLE-DIRECTION RAMP (TYPE 17)
MATCH EXISTING SIDEWALK
REMOVE AND RELOCATE STONES (TYP.)
CUT BITUMINOUS CONCRETE PAVEMENT
RELOCATE EXISTING UTILITY POLE (BY OTHERS)
REMOVE AND RELOCATE SIGN
NEW LOCATION FOR SIGN (41-4172)
STA 46+21 TO STA 59+23 4" WHITE EPOXY RESIN PAVEMENT MARKINGS
STA 46+21 TO STA 69+76 4" WHITE EPOXY RESIN PAVEMENT MARKINGS
STA 46+21 TO STA 52+95 4" YELLOW EPOXY RESIN PAVEMENT MARKINGS DOUBLE YELLOW LINE
MATCHLINE STA. 50+00 SEE DWG. NO. CP-105

SEYMOUR PARK ENTRANCE
SHRUB ROAD
FALLS BROOK ROAD
FREEMAN HILL BROOK
N/F ENVIRONMENTAL LEARNING CENTERS OF CONNECTICUT INC.
N/F CITY OF BRISTOL
N/F CONLON, LELIA
EDGE OF WATER
FIELD DELINEATED WETLANDS
FIELD DELINEATED HIGH WATER MARK
PC 46+17.14
PT 46+26.84
PC 47+26.61
PT 49+47.60
PT 45+43.38
N50° 43' 03"E 73.75'
N53° 56' 15"E 99.77'
S86° 29' 40"E 68.64'
C8
C10
45+00
46+00
47+00
48+00
49+00

R1 – SERIES

R1–1

STOP

LEGEND – WHITE
BACKGROUND – RED

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
1.85	18	31–0532	1	.080
5.19	30	31–0552	1	.080
7.98	36	31–0553	1	.080
13.3	48	31–0557	2	.100

1 SIGN

W3 – SERIES

W3–1

OCTAGON – RED

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30	41–0501	1	.080
16.00	48	41–0503	2	.100

1 SIGN

NOTE : FINAL LOCATION OF ALL RELOCATED SIGNS IS SUBJECT TO CITY OF BRISTOL'S APPROVAL.

NOTES

1. PROTECT ELEMENTS IN CONTRACT LIMITS NOT TO BE REMOVED AND DISPOSED.
2. ALL BRANCHES OF TREES EXTENDING WITHIN THE ROADWAY SHALL BE TRIMMED AS DIRECTED TO PROVIDE A 16-FOOT MINIMUM VERTICAL CLEARANCE INCLUDING SELECTIVE TRIMMING OF SUCH TREES AS DIRECTED. THIS WORK SHALL BE PAID FOR UNDER ITEM #0952001A "SELECTIVE CLEARING AND GRADING".
3. RESTORE ALL DISTURBED EXISTING DRIVES UP TO THE EDGE OF ROW.
4. SEE CTDOT GUIDE SHEETS FOR CONCRETE SIDEWALK RAMP DETAILS. BOTH INDEX AND SHEETS 1-11.
5. ALL CONFLICTING PAVEMENT MARKINGS SHALL BE REMOVED.

LEGEND

- CONCRETE SIDEWALK 8" THICK
- REMOVE AND RESTORE EXISTINGBITUMINOUS CONCRETE DRIVEWAY
- CUT BITUMINOUS CONCRETE PAVEMENT DRIVEWAY/ROADWAY
- RS — RAMPED SLOPED SECTION OF CONCRETE SIDEWALK RAMP
- TS — TURNING SPACE SECTION OF CONCRETE SIDEWALK RAMP

40 20 0 20 40
SCALE IN FEET

REV.	DATE	REVISION DESCRIPTION	SHEET NO.	PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: 3401–CP SERIES (SITE PLANS).DWG

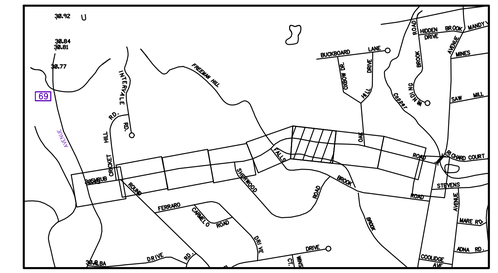
SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS AT SHRUB ROAD

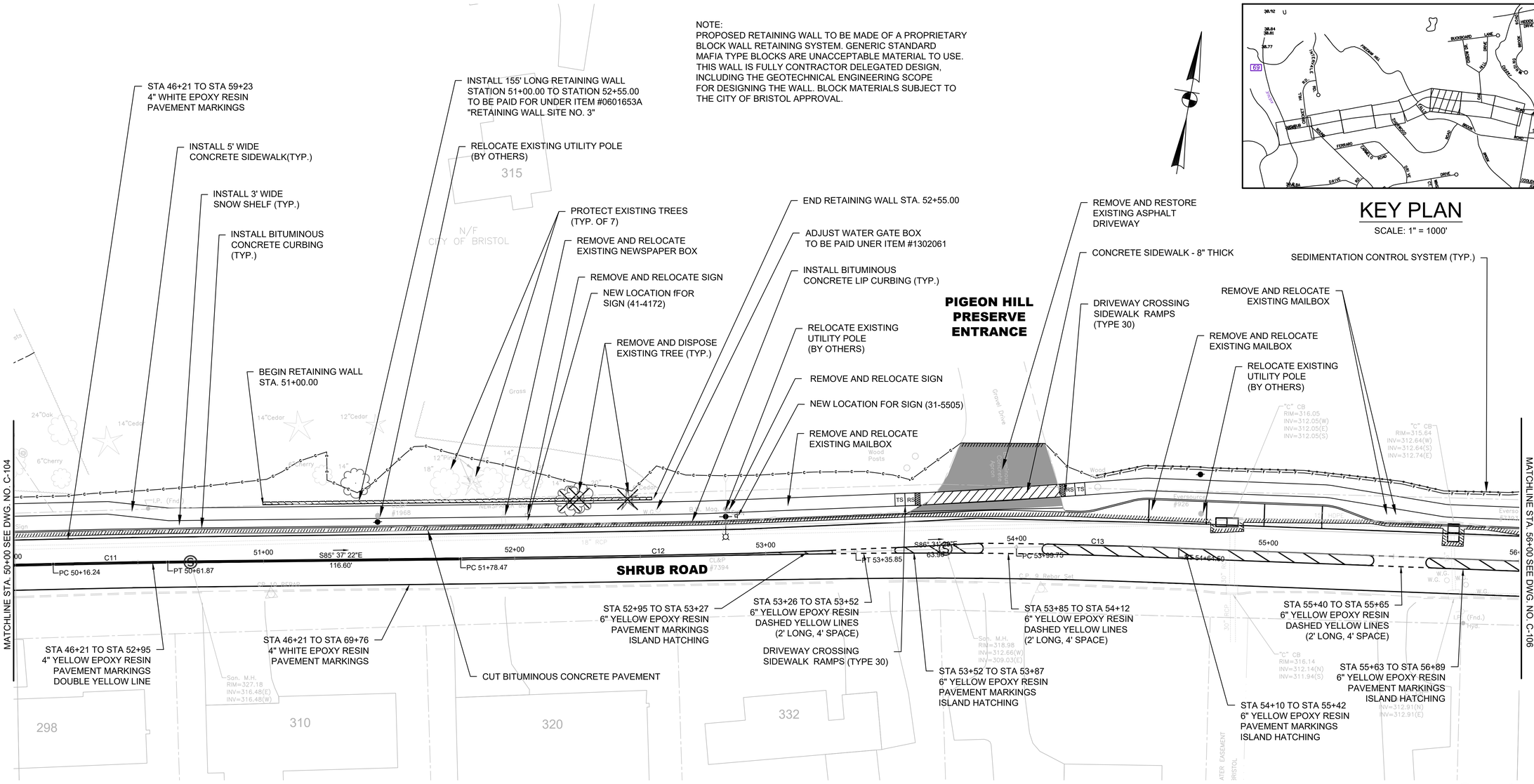
TOWN: **BRISTOL, CT**
DRAWING TITLE: **SITE PLAN - 5**

PROJECT NO. **3401**
DRAWING NO. **CP-104**
SHEET NO.

NOTE:
PROPOSED RETAINING WALL TO BE MADE OF A PROPRIETARY BLOCK WALL RETAINING SYSTEM. GENERIC STANDARD MAFIA TYPE BLOCKS ARE UNACCEPTABLE MATERIAL TO USE. THIS WALL IS FULLY CONTRACTOR DELEGATED DESIGN, INCLUDING THE GEOTECHNICAL ENGINEERING SCOPE FOR DESIGNING THE WALL. BLOCK MATERIALS SUBJECT TO THE CITY OF BRISTOL APPROVAL.



KEY PLAN
SCALE: 1" = 1000'



NOTE : FINAL LOCATION OF ALL RELOCATED SIGNS IS SUBJECT TO CITY OF BRISTOL'S APPROVAL.

W1 – SERIES

1 SIGN →

W1–5

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
_____	_____	_____	_	_____
	__30__		1	.080
_9.00	__36_	41–4172	1	.080
_____	_____	_____	_	_____

R2 – SERIES

1 SIGN →

R2–1

SPEED LIMIT 30

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
_5.00	24X30	31–5505	1	.080
_7.50	30X36	31–5504	1	.080
12.00	36X48	31–5506	2	.100
20.00	48X60	31–5507	2	.100

NOTES

1. PROTECT ELEMENTS IN CONTRACT LIMITS NOT TO BE REMOVED AND DISPOSED.
2. ALL BRANCHES OF TREES EXTENDING WITHIN THE ROADWAY SHALL BE TRIMMED AS DIRECTED TO PROVIDE A 16-FOOT MINIMUM VERTICAL CLEARANCE INCLUDING SELECTIVE TRIMMING OF SUCH TREES AS DIRECTED. THIS WORK SHALL BE PAID FOR UNDER ITEM #0952001A "SELECTIVE CLEARING AND GRADING".
3. RESTORE ALL DISTURBED EXISTING DRIVES UP TO THE EDGE OF ROW.
4. SEE CTDOT GUIDE SHEETS FOR CONCRETE SIDEWALK RAMP DETAILS. BOTH INDEX AND SHEETS 1-11.
5. ALL CONFLICTING PAVEMENT MARKINGS SHALL BE REMOVED.

NOTES

6. PROPOSED RETAINING WALL TO BE MADE OF SOME PROPRIETARY BLOCK WALL RETAINING SYSTEM. GENERIC STANDARD MAFIA BLOCKS ARE UNACCEPTABLE TO BE USED. THIS WALL IS A FULLY CONTRACTOR RELEGATED DESIGN, INCLUDING THE GEOTECHNICAL ENGINEERING SCOPE FOR DESIGNING THE WALL. BLOCK MATERIALS SUBJECT TO THE CITY OF BRISTOL APPROVAL.

LEGEND

- CONCRETE SIDEWALK - 8" THICK
- REMOVE AND RESTORE EXISTING BITUMINOUS CONCRETE DRIVEWAY
- CUT BITUMINOUS CONCRETE PAVEMENT DRIVEWAY/ROADWAY
- RS — RAMPED SLOPED SECTION OF CONCRETE SIDEWALK RAMP
- TS — TURNING SPACE SECTION OF CONCRETE SIDEWALK RAMP

40 20 0 20 40
SCALE IN FEET

REV.	DATE	REVISION DESCRIPTION	SHEET NO.	PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER: AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: 3401–CP SERIES (SITE PLANS).DWG

SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS
AT SHRUB ROAD

TOWN: **BRISTOL, CT**
DRAWING TITLE: **SITE PLAN - 6**

PROJECT NO. **3401**
DRAWING NO. **CP-105**
SHEET NO.

NOTE : FINAL LOCATION OF ALL RELOCATED SIGNS IS SUBJECT TO CITY OF BRISTOL'S APPROVAL.

D3 – SERIES

D3-1

Variable Road Name

1 SIGN →

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
_6.00	48X18	51–2004	2	.100
_7.50	60X18	51–2001	2	.100
_9.00	72X18	51–2002	2	.125
10.50	84X18	51–2003	2	.125

R1 – SERIES

R1-1

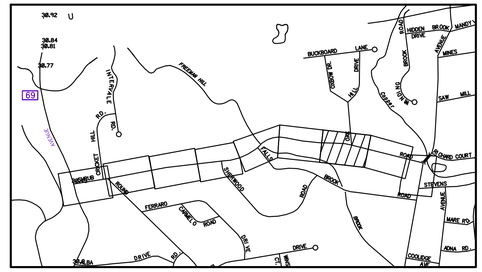
STOP

LEGEND – WHITE
BACKGROUND – RED

1 SIGN →

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
_1.85	__18_	31–0532	1	.080
_5.19	__30_	31–0552	1	.080
_7.98	__36_	31–0553	1	.080
_13.3	__48_	31–0557	2	.100

SHADED AREA OF OAK HILL ROAD INTERSECTION SHALL BE MILLED AND PAVED TO MAINTAIN EXISTING DRAINAGE PATTERN IN THE GUTTER.



KEY PLAN

SCALE: 1" = 1000'

MATCHLINE STA. 56+00 SEE DWG. NO. CP-105

MATCHLINE STA. 62+50 SEE DWG. NO. CP-107

SEDIMENTATION CONTROL SYSTEM (TYP.)

RELOCATE EXISTING UTILITY POLE (BY OTHERS)

INSTALL BITUMINOUS CONCRETE LIP CURBING (TYP.)

INSTALL 3' WIDE SNOW SHELF (TYP.)

INSTALL 5' WIDE CONCRETE SIDEWALK (TYP.)

RELOCATE EXISTING UTILITY POLE (BY OTHERS)

STA 56+85 TO STA 57+06
6" YELLOW EPOXY RESIN
DASHED YELLOW LINES
(2' LONG, 4' SPACE)

24" STOP BAR

INSTALL CROSSWALK

NEW LOCATIONS FOR SIGNS (D-3 SERIES AND 31-0553)

REMOVE AND RELOCATE EXISTING SIGNS

INSTALL SINGLE DIRECTION RAMP (TYPE 16)

INSTALL PERPENDICULAR RAMP (TYPE 16)

SAWCUT PAVEMENT

REMOVE AND RELOCATE EXISTING MAILBOX

STA 46+21 TO STA 59+23
4" WHITE EPOXY RESIN
PAVEMENT MARKINGS

OAK HILL DRIVE

DETECTABLE WARNING SURFACE (TYP.)

INSTALL SINGLE DIRECTION RAMP (TYPE 16)

REMOVE AND RELOCATE EXISTING MAILBOX

CUT BITUMINOUS CONCRETE PAVEMENT (TYP.)

CONCRETE SIDEWALK - 8" THICK (TYP.)

SAWCUT PAVEMENT

REMOVE EXISTING VEGETATION

REMOVE AND RELOCATE EXISTING MAILBOX

REMOVE AND RELOCATE EXISTING MAILBOX

RELOCATE EXISTING UTILITY POLE (BY OTHERS)

REMOVE AND RESTORE EXISTING ASPHALT DRIVEWAY (TYP.)

RELOCATE EXISTING UTILITY POLE (BY OTHERS)

STA 46+21 TO STA 69+76
4" WHITE EPOXY RESIN
PAVEMENT MARKINGS

STA 55+63 TO STA 56+89
6" YELLOW EPOXY RESIN
PAVEMENT MARKINGS
ISLAND HATCHING

STA 57+05 TO STA 57+90
6" YELLOW EPOXY RESIN
PAVEMENT MARKINGS
ISLAND HATCHING

STA 56+85 TO STA 57+06
6" YELLOW EPOXY RESIN
DASHED YELLOW LINES
(2' LONG, 4' SPACE)

STA 58+03 TO STA 58+71
6" YELLOW EPOXY RESIN
PAVEMENT MARKINGS
ISLAND HATCHING

STA 57+88 TO STA 58+05
6" YELLOW EPOXY RESIN
DASHED YELLOW LINES
(2' LONG, 4' SPACE)

STA 58+84 TO STA 59+14
6" YELLOW EPOXY RESIN
PAVEMENT MARKINGS
ISLAND HATCHING

RELOCATE EXISTING UTILITY POLES
(BY OTHERS)

STA 59+84 TO STA 60+76
6" YELLOW EPOXY RESIN
PAVEMENT MARKINGS
ISLAND HATCHING

STA 60+77 TO STA 69+75
4" YELLOW EPOXY RESIN
PAVEMENT MARKINGS
DOUBLE YELLOW LINE

STA 59+85 TO STA 69+75
4" WHITE EPOXY RESIN
PAVEMENT MARKINGS
SINGLE WHITE LINE

SHRUB ROAD

N/F CITY OF BRISTOL

409

N/F ROMANOWSKI, ANNA & MARQUIS, BRIAN L.

370

380

390

400

N/F POOLE, DONNA L.

S82° 48' 54"E 267.01'

S84° 32' 59"E 99.50'

S77° 56' 51"E 276.77'

PC 57+31.61

PT 57+61.79

PC 58+60.28

PT 59+98.56

57+00

58+00

59+00

60+00

61+00

62+00

C14

C15

RS TS RS

NOTES

1. PROTECT ELEMENTS IN CONTRACT LIMITS NOT TO BE REMOVED AND DISPOSED.
2. ALL BRANCHES OF TREES EXTENDING WITHIN THE ROADWAY SHALL BE TRIMMED AS DIRECTED TO PROVIDE A 16-FOOT MINIMUM VERTICAL CLEARANCE INCLUDING SELECTIVE TRIMMING OF SUCH TREES AS DIRECTED. THIS WORK SHALL BE PAID FOR UNDER ITEM #0952001A "SELECTIVE CLEARING AND GRADING".
3. RESTORE ALL DISTURBED EXISTING DRIVES UP TO THE EDGE OF ROW.
4. SEE CTDOT GUIDE SHEETS FOR CONCRETE SIDEWALK RAMP DETAILS. BOTH INDEX AND SHEETS 1-11.
5. ALL CONFLICTING PAVEMENT MARKINGS SHALL BE REMOVED.

LEGEND

- CONCRETE SIDEWALK - 8" THICK
- REMOVE AND RESTORE EXISTING BITUMINOUS CONCRETE DRIVEWAY
- CUT BITUMINOUS CONCRETE PAVEMENT DRIVEWAY/ROADWAY
- RS — RAMPED SLOPED SECTION OF CONCRETE SIDEWALK RAMP
- TS — TURNING SPACE SECTION OF CONCRETE SIDEWALK RAMP

40 20 0 20 40

SCALE IN FEET

REV.	DATE	REVISION DESCRIPTION	SHEET NO.	PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457

FILENAME: 3401-CP SERIES (SITE PLANS).DWG

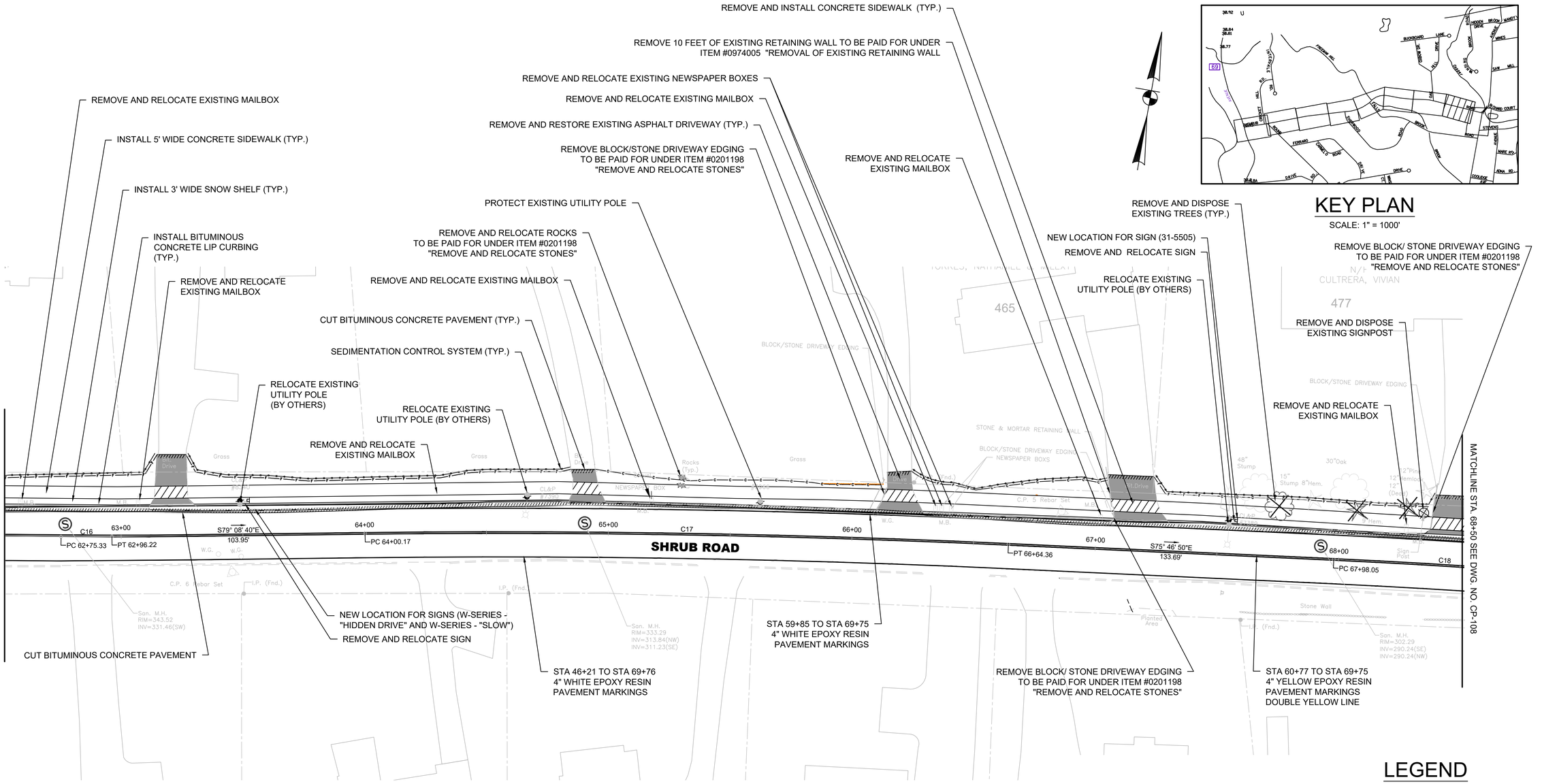
SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: **SITE PLAN - 7**

PROJECT NO. **3401**
DRAWING NO. **CP-106**
SHEET NO.



KEY PLAN

SCALE: 1" = 1000'

R2 – SERIES

R2-1

SPEED LIMIT 30

1 SIGN

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	24X30	31-5505	1	.080
7.50	30X36	31-5504	1	.080
12.00	36X48	31-5506	2	.100
20.00	48X60	31-5507	2	.100

W? – SERIES

W?

HIDDEN DRIVEWAY

1 SIGN

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36		1	.080
16.00	48		2	.100

W – SERIES

SLOW

1 SIGN

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9	36		1	

NOTE : FINAL LOCATION OF ALL RELOCATED SIGNS IS SUBJECT TO CITY OF BRISTOL'S APPROVAL.

LEGEND

- CONCRETE SIDEWALK - 8" THICK
- REMOVE AND RESTORE EXISTING BITUMINOUS CONCRETE DRIVEWAY
- CUT BITUMINOUS CONCRETE PAVEMENT DRIVEWAY/ROADWAY
- RS — RAMPED SLOPED SECTION OF CONCRETE SIDEWALK RAMP
- TS — TURNING SPACE SECTION OF CONCRETE SIDEWALK RAMP

40 20 0 20 40

SCALE IN FEET

NOTES

1. PROTECT ELEMENTS IN CONTRACT LIMITS NOT TO BE REMOVED AND DISPOSED.
2. ALL BRANCHES OF TREES EXTENDING WITHIN THE ROADWAY SHALL BE TRIMMED AS DIRECTED TO PROVIDE A 16-FOOT MINIMUM VERTICAL CLEARANCE INCLUDING SELECTIVE TRIMMING OF SUCH TREES AS DIRECTED. THIS WORK SHALL BE PAID FOR UNDER ITEM #0952001A "SELECTIVE CLEARING AND GRADING".
3. RESTORE ALL DISTURBED EXISTING DRIVES UP TO THE EDGE OF ROW.
4. SEE CTDOT GUIDE SHEETS FOR CONCRETE SIDEWALK RAMP DETAILS. BOTH INDEX AND SHEETS 1-11.
5. ALL CONFLICTING PAVEMENT MARKINGS SHALL BE REMOVED.

REV.	DATE	REVISION DESCRIPTION	SHEET NO.	PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER: AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457

FILENAME: 3401-CP SERIES (SITE PLANS).DWG

SIGNATURE/ BLOCK:

PROJECT TITLE: **CITY OF BRISTOL INSTALLATION OF SIDEWALKS AT SHRUB ROAD**

TOWN: **BRISTOL, CT**

DRAWING TITLE: **SITE PLAN - 8**

PROJECT NO. **3401**
DRAWING NO. **CP-107**
SHEET NO.

D3 – SERIES

D3-1

Variable Road Name

1 SIGN →

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
_6.00	48X18	51–2004	2	.100
_7.50	60X18	51–2001	2	.100
_9.00	72X18	51–2002	2	.125
10.50	84X18	51–2003	2	.125

R1 – SERIES

R1–1

STOP

LEGEND – WHITE
BACKGROUND – RED

3 SIGN →

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
_1.85	__18_	31–0532	1	.080
_5.19	__30_	31–0552	1	.080
_7.98	__36_	31–0553	1	.080
_13.3	__48_	31–0557	2	.100

W6 – SERIES

W6–3

1 SIGN →

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
_____	_____	_____	_	_____
_9.00	__36_	41–4329	1	.080
16.00	__48_	41–4331	2	.100
_____	_____	_____	_	_____

R1 – SERIES

R1–3P

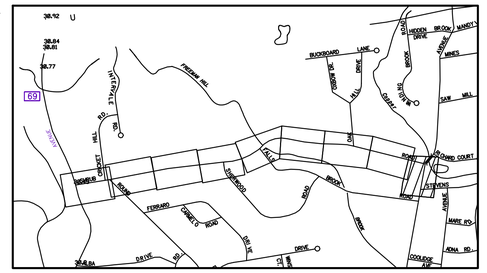
ALL–WAY

LEGEND – WHITE
BACKGROUND – RED

3 SIGNS →

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
_____	_____	_____	_	_____
_0.75	_18X6	31–0508	_	.080
_____	_____	_____	_	_____
_____	_____	_____	_	_____

NOTE : FINAL LOCATION OF ALL RELOCATED SIGNS IS SUBJECT TO CITY OF BRISTOL'S APPROVAL.



KEY PLAN

SCALE: 1" = 1000'

- REMOVE AND DISPOSE EXISTING CURB FOR RAMP
- INSTALL PERPENDICULAR RAMP (TYPE 15)
- REMOVE 69' LONG STONE RETAINING WALL STATION 83+36.14 TO STATION 84+05.33 TO BE PAID FOR UNDER ITEM #0974005 "REMOVAL OF EXISTING RETAINING WALL
- RETAINING WALL (SITE NO, 2) STATION 81+25.00 TO STATION 81+56.00 TO BE PAID FOR UNDER ITEM #0601652A "RETAINING WALL SITE NO. 2"
- DETECTABLE WARNING STRIP (TYP.)
- PROPOSED STOP SIGN WITH "ALL WAY" SIGN 31-0553/31-0508
- REBUILD STONE RETAINING WALL STATION 83+36.14 TO STATION 84+05.33 TO BE PAID FOR UNDER ITEM #0601651A "RETAINING WALL SITE NO. 1"
- INSTALL 2' WIDE SNOW SHELF (TYP.)
- INSTALL STOP BAR (TYP.)
- INSTALL 5' WIDE CONCRETE SIDEWALK (TYP.)
- INSTALL 159 LF R-B MASH METAL BEAM RAIL
- INSTALL ANCHORAGE IN EARTH CUT SLOPE
- INSTALL PERPENDICULAR RAMP (TYPE 3)
- TWO ADDITTIONAL HALF SECTIONS ATTACHMENT REQUIRED TO ADVOID CONFLICT WITH EXISTING RETIANING WALL AND I BEAM POST.
- INSTALL CROSSWALK
- ADDITTIONAL HALF SECTION ATTACHED TO END OF THRIE BEAM 350 BRIDGE ATTACHMENT REQUIRED TO ADVOID CONFLICT WITH UTILITY POLE AND I BEAM POST.
- REMOVE METAL BEAM RAIL
- INSTALL THRIE BEAM 350 BRIDGE ATTACHMENT
- INSTALL CONCRETE END BLOCK
- REMOVE AND INSTALL NEW STOP SIGN WITH "ALL WAY" SIGN 31-0553/31-0508
- NEW LOCATION FOR SIGN (51-2004)
- REMOVE AND RELOCATE SIGN
- INSTALL CROSSWALK
- REMOVE AND DISPOSE EXISTING SIGN POST
- INSTALL PERPENDICULAR RAMP (TYPE 11)
- SEDIMENTATION CONTROL SYSTEM (TYP.)
- STA 59+85 TO STA 69+75 4" WHITE EPOXY RESIN PAVEMENT MARKINGS
- SAW CUT PAVEMENT
- REMOVE AND RELOCATE EXISTING MAILBOX
- REMOVE AND RELOCATE EXISTING NEWSPAPER BOXES
- REMOVE AND INSTALL CONCRETE SIDEWALK (TYP.)
- REMOVE AND RESTORE EXISTING ASPHALT DRIVE
- REMOVE AND DISPOSE EXISTING TREES (TYP.)
- INSTALL BITUMINOUS CONCRETE LIP CURBING
- REMOVE AND RELOCATE EXISTING MAILBOX
- INSTALL 5' WIDE CONCRETE SIDEWALK (TYP.)
- INSTALL 3' WIDE SNOW SHELF (TYP.)
- REMOVE AND DISPOSE EXISTING CURB FOR RAMP
- INSTALL PERPENDICULAR RAMP (TYPE 16)
- INSTALL 5' WIDE CONCRETE SIDEWALK (TYP.)
- INSTALL PERPENDICULAR RAMP (TYPE 15)
- REMOVE AND INSTALL NEW PROPOSED STOP SIGN WITH "ALL WAY" SIGN 31-0553/31-0508
- STA 46+21 TO STA 69+76 4" WHITE EPOXY RESIN PAVEMENT MARKINGS
- STA 60+77 TO STA 69+75 4" YELLOW EPOXY RESIN PAVEMENT MARKINGS DOUBLE YELLOW LINE
- INSTALL CROSSWALK
- SAWCUT AND MATCH EXISTING
- INSTALL DIAGONAL RAMP (TYPE 4)
- SAWCUT AND MATCH EXISTING

MATCHLINE STA. 68+50 SEE DWG. NO. CP-107

STEVENS STREET

JEROME AVENUE

SHRUB ROAD

NOTES

1. PROTECT ELEMENTS IN CONTRACT LIMITS NOT TO BE REMOVED AND DISPOSED.
2. ALL BRANCHES OF TREES EXTENDING WITHIN THE ROADWAY SHALL BE TRIMMED AS DIRECTED TO PROVIDE A 16-FOOT MINIMUM VERTICAL CLEARANCE INCLUDING SELECTIVE TRIMMING OF SUCH TREES AS DIRECTED. THIS WORK SHALL BE PAID FOR UNDER ITEM #0952001A "SELECTIVE CLEARING AND GRADING".
3. RESTORE ALL DISTURBED EXISTING DRIVES UP TO THE EDGE OF ROW.
4. SEE CTDOT GUIDE SHEETS FOR CONCRETE SIDEWALK RAMP DETAILS. BOTH INDEX AND SHEETS 1-11.
5. ALL CONFLICTING PAVEMENT MARKINGS SHALL BE REMOVED.

LEGEND

- CONCRETE SIDEWALK - 8" THICK
- REMOVE AND RESTORE EXISTING BITUMINOUS CONCRETE DRIVEWAY
- CUT BITUMINOUS CONCRETE PAVEMENT DRIVEWAY/ROADWAY
- RS — RAMPED SLOPED SECTION OF CONCRETE SIDEWALK RAMP
- TS — TURNING SPACE SECTION OF CONCRETE SIDEWALK RAMP

40 20 0 20 40

SCALE IN FEET

REV.	DATE	REVISION DESCRIPTION	SHEET NO.	PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER: AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457

FILENAME: 3401-CP SERIES (SITE PLANS).DWG

SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS AT SHRUB ROAD

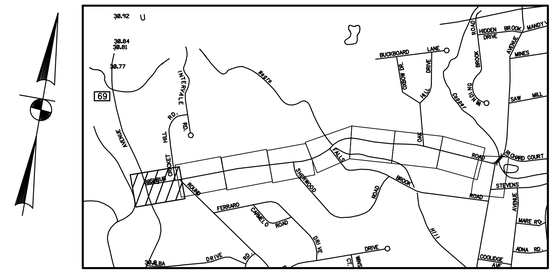
TOWN: **BRISTOL, CT**

DRAWING TITLE: **SITE PLAN - 9**

PROJECT NO. **3401**
DRAWING NO. **CP-108**
SHEET NO.

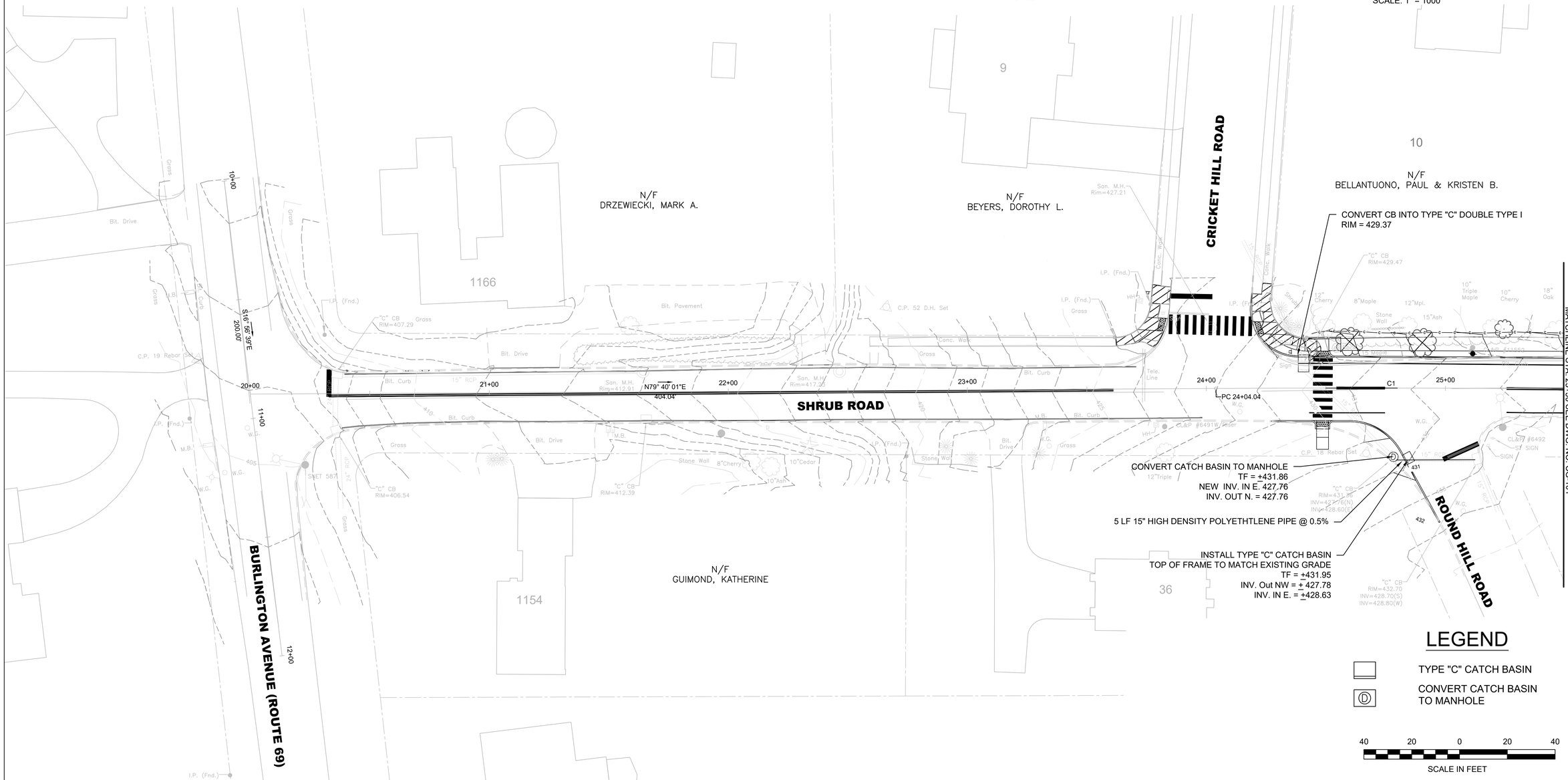
NOTES

1. PROTECT ELEMENTS IN CONTRACT LIMITS NOT TO BE REMOVED AND DISPOSED.
2. ALL BRANCHES OF TREES EXTENDING WITHIN THE ROADWAY SHALL BE TRIMMED AS DIRECTED TO PROVIDE A 16-FOOT MINIMUM VERTICAL CLEARANCE INCLUDING SELECTIVE TRIMMING OF SUCH TREES AS DIRECTED. THIS WORK SHALL BE PAID FOR UNDER ITEM #0952001A "SELECTIVE CLEARING AND GRADING".
3. RESTORE ALL DISTURBED EXISTING DRIVES UP TO THE EDGE OF ROW.
4. SEE CTDOT GUIDE SHEETS FOR CONCRETE SIDEWALK RAMP DETAILS. BOTH INDEX AND SHEETS 1-11.
5. ALL CONFLICTING PAVEMENT MARKINGS SHALL BE REMOVED.



KEY PLAN

SCALE: 1" = 1000'



LEGEND

- TYPE "C" CATCH BASIN
- Ⓓ CONVERT CATCH BASIN TO MANHOLE

40 20 0 20 40

SCALE IN FEET

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457

FILENAME: 3401-CG SERIES (GRADING & DRAINAGE PLANS).DWG

SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS AT SHRUB ROAD

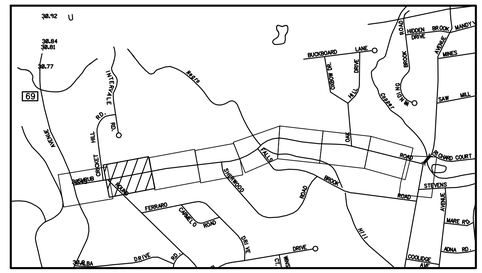
TOWN: **BRISTOL, CT**

DRAWING TITLE: **GRADING AND DRAINAGE PLAN - 1**

PROJECT NO. **3401**
DRAWING NO. **CG-100**
SHEET NO.

NOTES

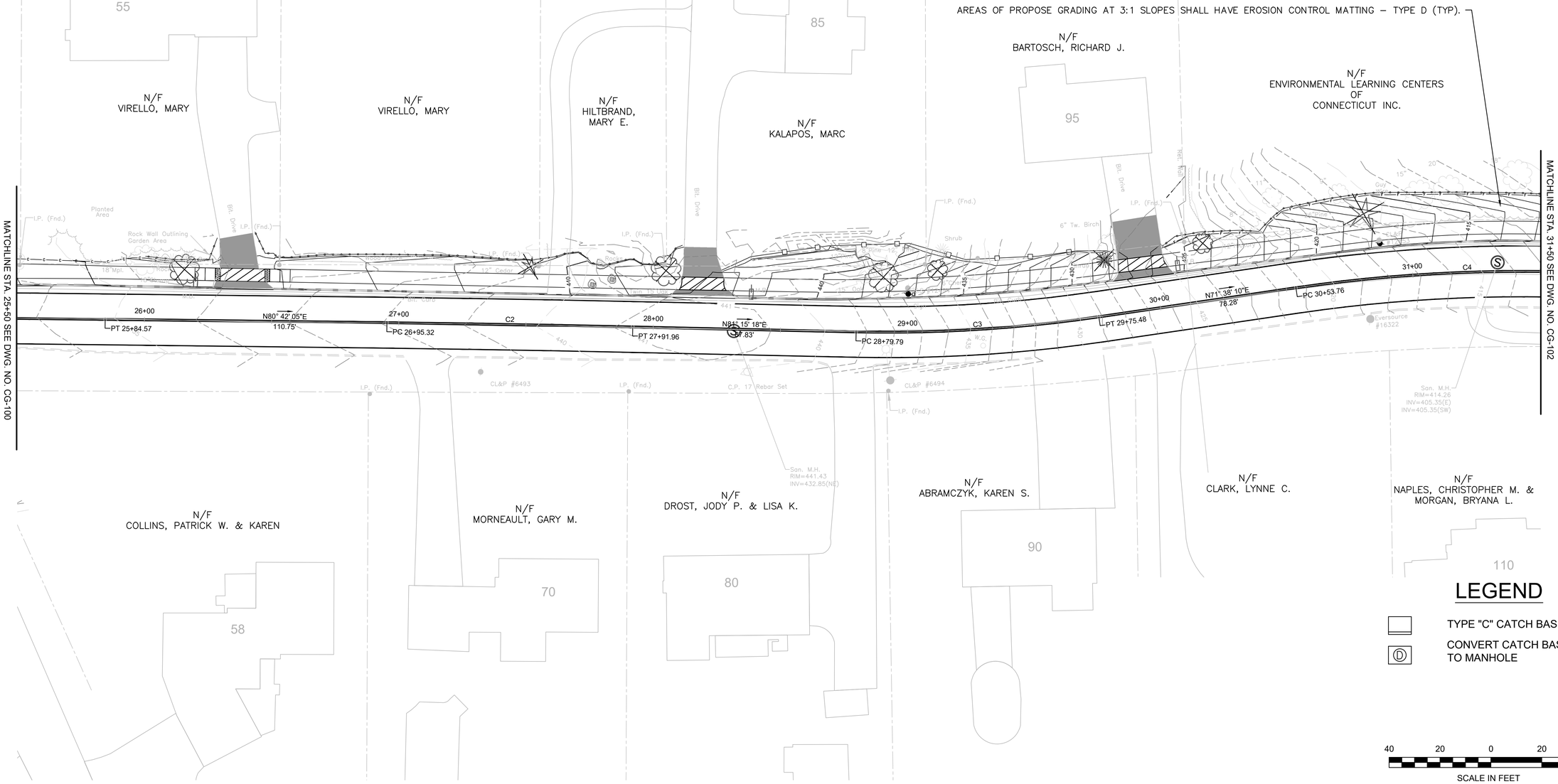
1. PROTECT ELEMENTS IN CONTRACT LIMITS NOT TO BE REMOVED AND DISPOSED.
2. ALL BRANCHES OF TREES EXTENDING WITHIN THE ROADWAY SHALL BE TRIMMED AS DIRECTED TO PROVIDE A 16-FOOT MINIMUM VERTICAL CLEARANCE INCLUDING SELECTIVE TRIMMING OF SUCH TREES AS DIRECTED. THIS WORK SHALL BE PAID FOR UNDER ITEM #0952001A "SELECTIVE CLEARING AND GRADING".
3. RESTORE ALL DISTURBED EXISTING DRIVES UP TO THE EDGE OF ROW.
4. SEE CTDOT GUIDE SHEETS FOR CONCRETE SIDEWALK RAMP DETAILS. BOTH INDEX AND SHEETS 1-11.
5. ALL CONFLICTING PAVEMENT MARKINGS SHALL BE REMOVED.



KEY PLAN

SCALE: 1" = 1000'

AREAS OF PROPOSE GRADING AT 3:1 SLOPES SHALL HAVE EROSION CONTROL MATTING – TYPE D (TYP).



LEGEND

- TYPE "C" CATCH BASIN
- CONVERT CATCH BASIN TO MANHOLE

40 20 0 20 40

SCALE IN FEET

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457

FILENAME: 3401-CG SERIES (GRADING & DRAINAGE PLANS).DWG

SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS AT SHRUB ROAD

TOWN: **BRISTOL, CT**

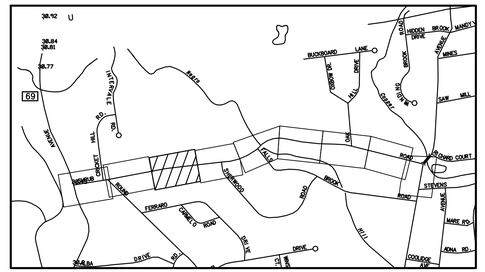
DRAWING TITLE: **GRADING AND DRAINAGE PLAN - 2**

PROJECT NO. **3401**
DRAWING NO. **CG-101**
SHEET NO.

NOTES

1. PROTECT ELEMENTS IN CONTRACT LIMITS NOT TO BE REMOVED AND DISPOSED.
2. ALL BRANCHES OF TREES EXTENDING WITHIN THE ROADWAY SHALL BE TRIMMED AS DIRECTED TO PROVIDE A 16-FOOT MINIMUM VERTICAL CLEARANCE INCLUDING SELECTIVE TRIMMING OF SUCH TREES AS DIRECTED. THIS WORK SHALL BE PAID FOR UNDER ITEM #0952001A "SELECTIVE CLEARING AND GRADING".
3. RESTORE ALL DISTURBED EXISTING DRIVES UP TO THE EDGE OF ROW.
4. SEE CTDOT GUIDE SHEETS FOR CONCRETE SIDEWALK RAMP DETAILS. BOTH INDEX AND SHEETS 1-11.
5. ALL CONFLICTING PAVEMENT MARKINGS SHALL BE REMOVED.

NOTE: A LICENSED ARBORIST SHALL BE PRESENT AND SUPERVISE THE CONSTRUCTION OF THE CONCRETE SIDEWALK AROUND THE OAK TREE THAT IS BEING SAVED AT THE ENTRANCE OF THE ENVIRONMENTAL LEARNING. CENTER.



KEY PLAN

SCALE: 1" = 1000'

AREAS OF PROPOSE GRADING AT 3:1 SLOPES SHALL HAVE EROSION CONTROL MATTING – TYPE D (TYP).

EROSION CONTROL MATTING – TYPE H (TYP) (HATCHED AREA).

INSTALL NEW BITUMINOUS DRIVEWAY APRON FOR THE ENVIRONMENTAL LEARNING CENTER

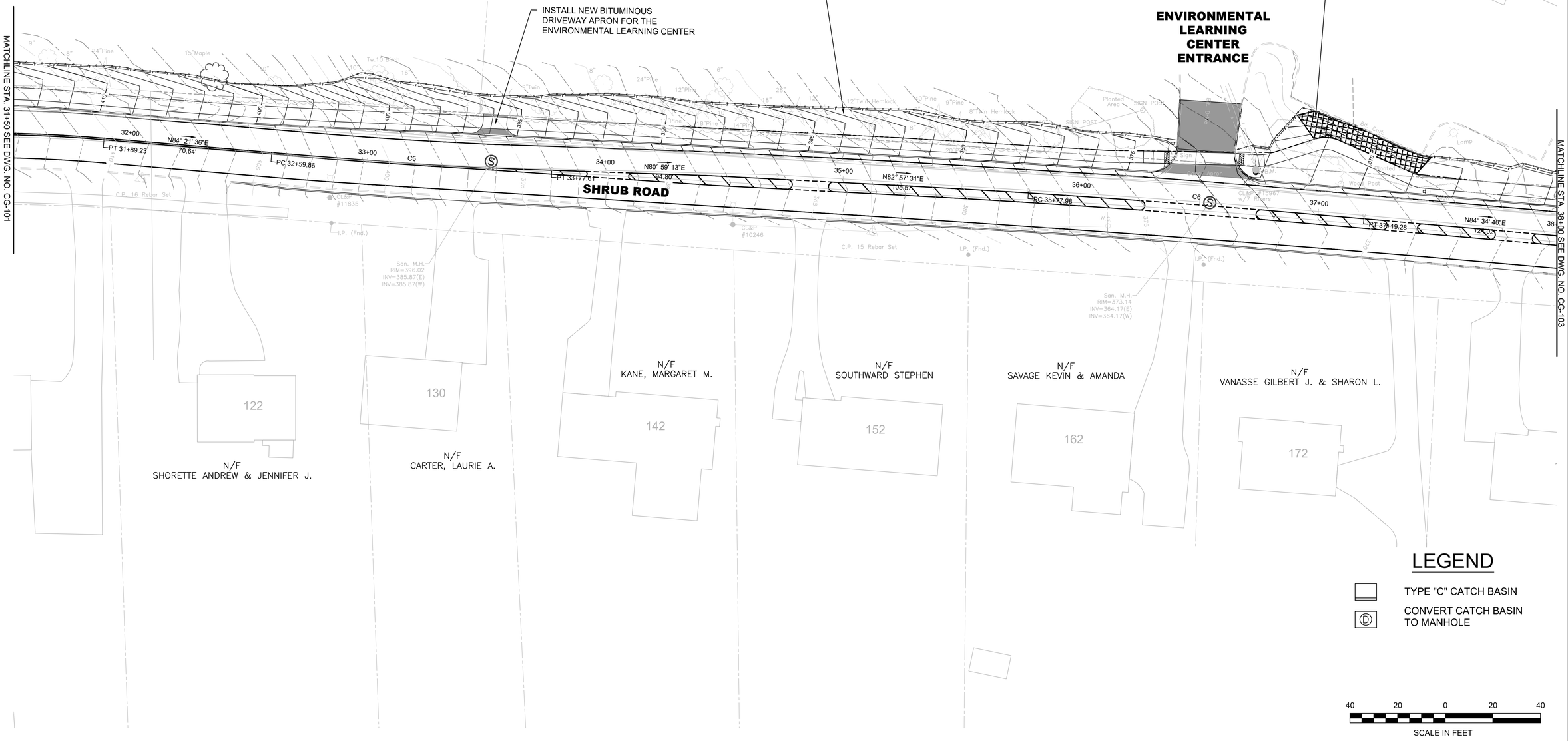
ENVIRONMENTAL LEARNING CENTER ENTRANCE

N/F
ENVIRONMENTAL LEARNING CENTERS OF CONNECTICUT INC.

N/F
ENVIRONMENTAL LEARNING CENTERS OF CONNECTICUT INC.

MATCHLINE STA. 31+50 SEE DWG. NO. CG-101

MATCHLINE STA. 38+00 SEE DWG. NO. CG-103



N/F
SHORETTE ANDREW & JENNIFER J.

N/F
CARTER, LAURIE A.

N/F
KANE, MARGARET M.

N/F
SOUTHWARD STEPHEN

N/F
SAVAGE KEVIN & AMANDA

N/F
VANASSE GILBERT J. & SHARON L.

LEGEND

- TYPE "C" CATCH BASIN
- CONVERT CATCH BASIN TO MANHOLE

40 20 0 20 40

SCALE IN FEET

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER: AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457

FILENAME: 3401-CG SERIES (GRADING & DRAINAGE PLANS).DWG

SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS AT SHRUB ROAD

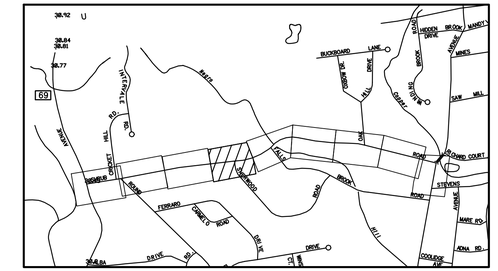
TOWN: **BRISTOL, CT**

DRAWING TITLE: **GRADING AND DRAINAGE PLAN - 3**

PROJECT NO. **3401**
DRAWING NO. **CG-102**
SHEET NO.

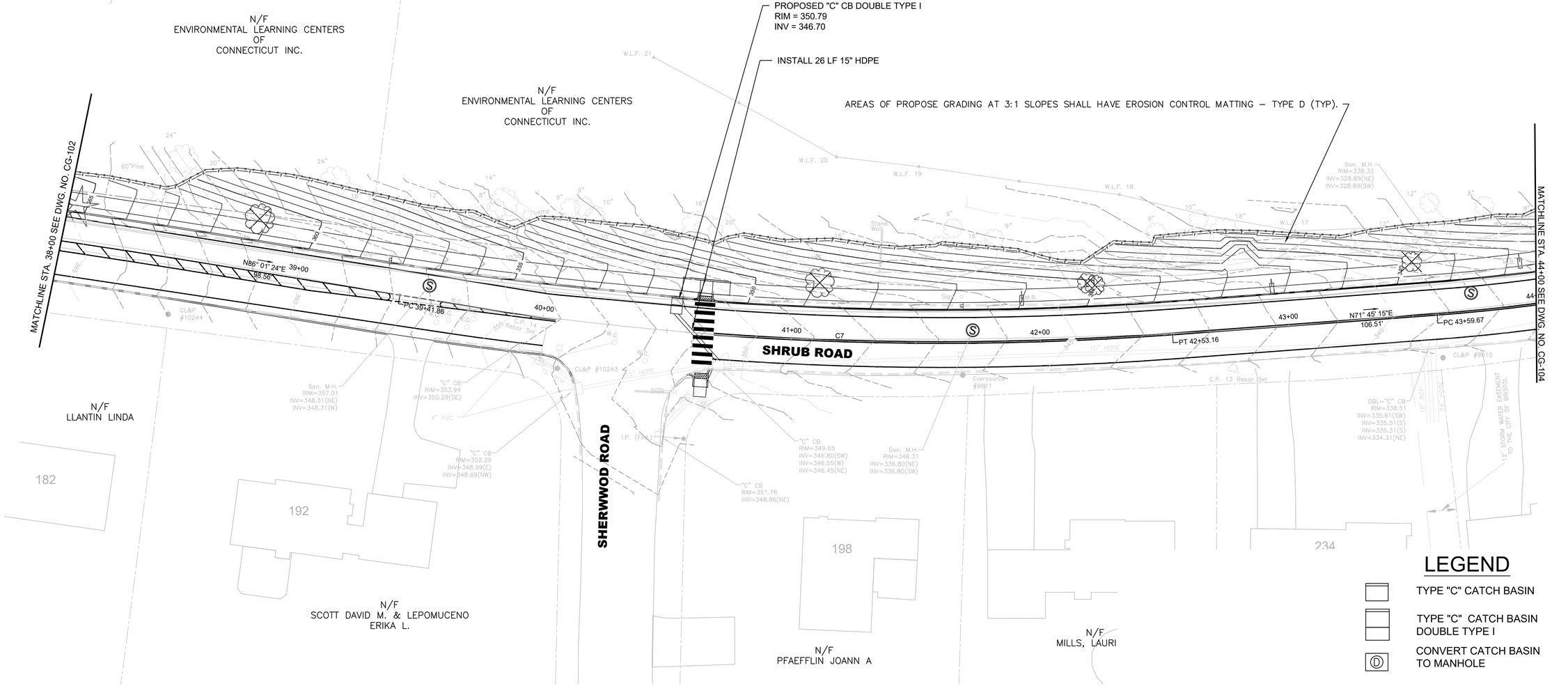
NOTES

1. PROTECT ELEMENTS IN CONTRACT LIMITS NOT TO BE REMOVED AND DISPOSED.
2. ALL BRANCHES OF TREES EXTENDING WITHIN THE ROADWAY SHALL BE TRIMMED AS DIRECTED TO PROVIDE A 16-FOOT MINIMUM VERTICAL CLEARANCE INCLUDING SELECTIVE TRIMMING OF SUCH TREES AS DIRECTED. THIS WORK SHALL BE PAID FOR UNDER ITEM #0952001A "SELECTIVE CLEARING AND GRADING".
3. RESTORE ALL DISTURBED EXISTING DRIVES UP TO THE EDGE OF ROW.
4. SEE CTDOT GUIDE SHEETS FOR CONCRETE SIDEWALK RAMP DETAILS. BOTH INDEX AND SHEETS 1-11.
5. ALL CONFLICTING PAVEMENT MARKINGS SHALL BE REMOVED.



KEY PLAN

SCALE: 1" = 1000'



LEGEND

- TYPE "C" CATCH BASIN
- TYPE "C" CATCH BASIN DOUBLE TYPE I
- CONVERT CATCH BASIN TO MANHOLE

40 20 0 20 40

SCALE IN FEET

REV.	DATE	REVISION DESCRIPTION	SHEET NO.	PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

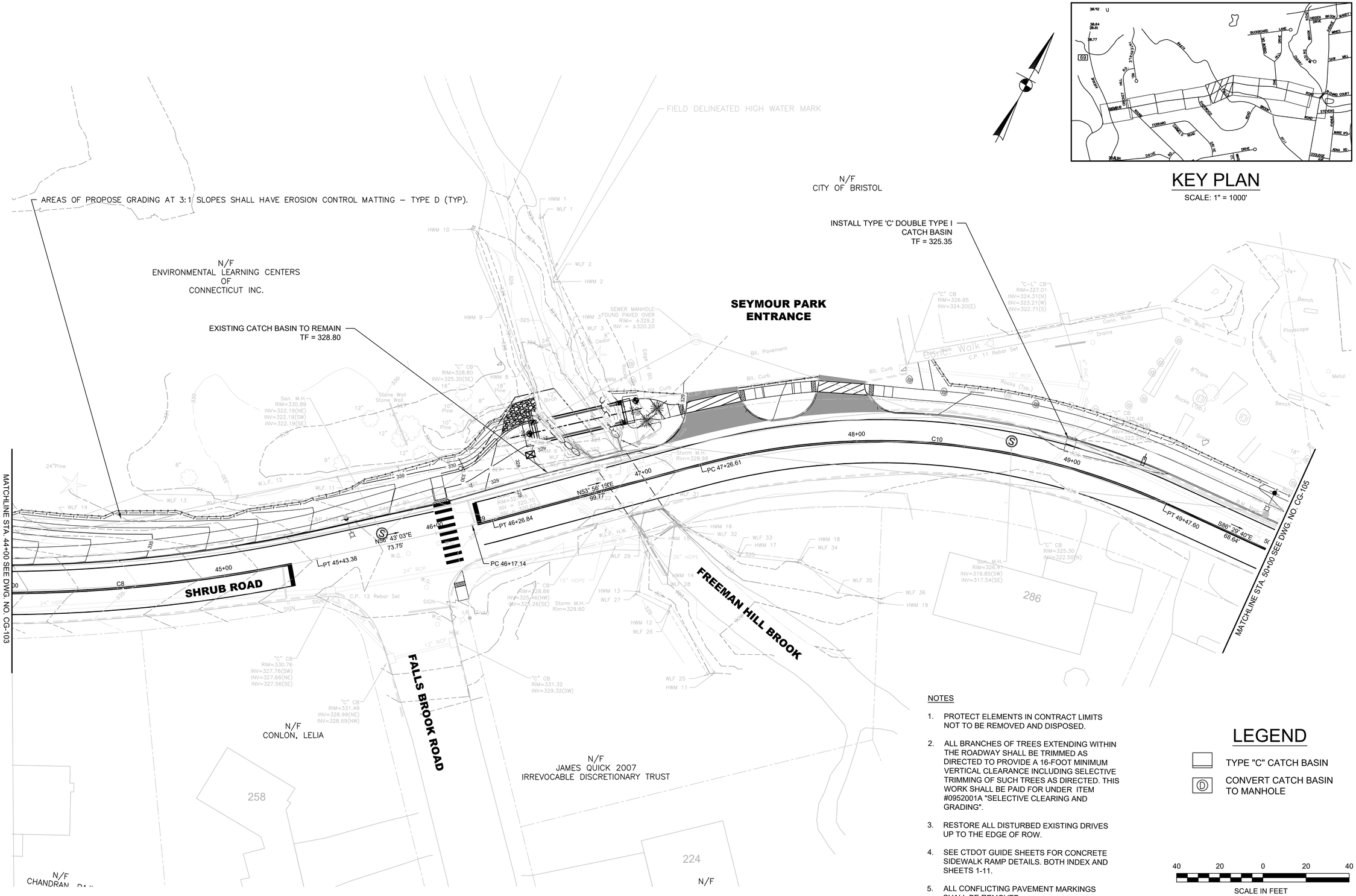
ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: 3401-CG SERIES (GRADING & DRAINAGE PLANS).DWG

SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS AT SHRUB ROAD

TOWN: **BRISTOL, CT**
DRAWING TITLE: **GRADING AND DRAINAGE PLAN - 4**

PROJECT NO. **3401**
DRAWING NO. **CG-103**
SHEET NO.



KEY PLAN

SCALE: 1" = 1000'

NOTES

1. PROTECT ELEMENTS IN CONTRACT LIMITS NOT TO BE REMOVED AND DISPOSED.
2. ALL BRANCHES OF TREES EXTENDING WITHIN THE ROADWAY SHALL BE TRIMMED AS DIRECTED TO PROVIDE A 16-FOOT MINIMUM VERTICAL CLEARANCE INCLUDING SELECTIVE TRIMMING OF SUCH TREES AS DIRECTED. THIS WORK SHALL BE PAID FOR UNDER ITEM #0952001A "SELECTIVE CLEARING AND GRADING".
3. RESTORE ALL DISTURBED EXISTING DRIVES UP TO THE EDGE OF ROW.
4. SEE CTDOT GUIDE SHEETS FOR CONCRETE SIDEWALK RAMP DETAILS. BOTH INDEX AND SHEETS 1-11.
5. ALL CONFLICTING PAVEMENT MARKINGS SHALL BE REMOVED.

LEGEND

- TYPE "C" CATCH BASIN
- CONVERT CATCH BASIN TO MANHOLE

40 20 0 20 40

SCALE IN FEET

REV.	DATE	REVISION DESCRIPTION	SHEET NO.	PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

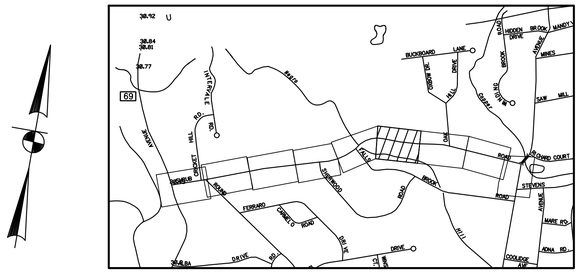
ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: 3401-CG SERIES (GRADING & DRAINAGE PLANS).DWG

SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS AT SHRUB ROAD

TOWN: **BRISTOL, CT**
PROJECT NO. **3401**
DRAWING NO. **CG-104**
DRAWING TITLE: **GRADING AND DRAINAGE PLAN - 5**
SHEET NO.

NOTE:
PROPOSED RETAINING WALL TO BE MADE OF A PROPRIETARY BLOCK WALL RETAINING SYSTEM. GENERIC STANDARD MAFIA TYPE BLOCKS ARE UNACCEPTABLE MATERIAL TO USE. THIS WALL IS FULLY CONTRACTOR DELEGATED DESIGN, INCLUDING THE GEOTECHNICAL ENGINEERING SCOPE FOR DESIGNING THE WALL. BLOCK MATERIALS SUBJECT TO THE CITY OF BRISTOL APPROVAL.



KEY PLAN
SCALE: 1" = 1000'

PIGEON HILL PRESERVE ENTRANCE

N/F
CITY OF BRISTOL

AREAS OF PROPOSE GRADING AT 3:1 SLOPES SHALL HAVE EROSION CONTROL MATTING – TYPE D (TYP).

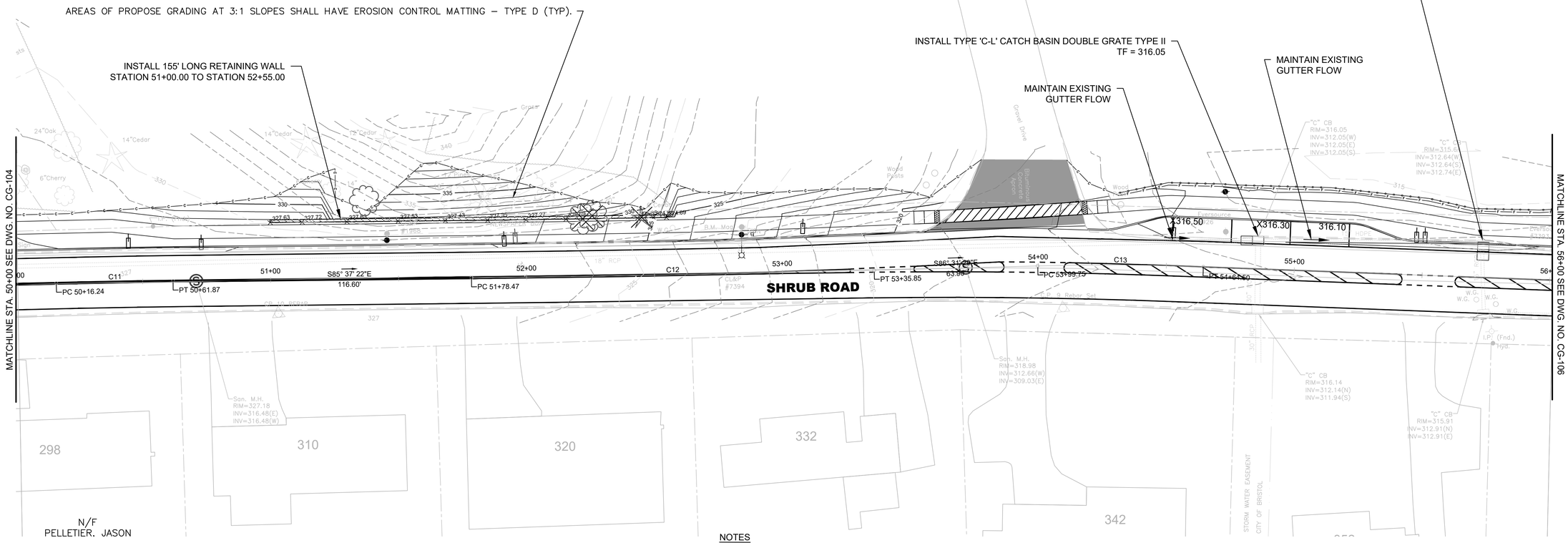
INSTALL 155' LONG RETAINING WALL
STATION 51+00.00 TO STATION 52+55.00

INSTALL TYPE 'C' DOUBLE TYPE I CATCH BASIN
TF = 315.55

INSTALL TYPE 'C-L' CATCH BASIN DOUBLE GRATE TYPE II
TF = 316.05

MAINTAIN EXISTING
GUTTER FLOW

MAINTAIN EXISTING
GUTTER FLOW



NOTES

1. PROTECT ELEMENTS IN CONTRACT LIMITS NOT TO BE REMOVED AND DISPOSED.
2. ALL BRANCHES OF TREES EXTENDING WITHIN THE ROADWAY SHALL BE TRIMMED AS DIRECTED TO PROVIDE A 16-FOOT MINIMUM VERTICAL CLEARANCE INCLUDING SELECTIVE TRIMMING OF SUCH TREES AS DIRECTED. THIS WORK SHALL BE PAID FOR UNDER ITEM #0952001A "SELECTIVE CLEARING AND GRADING".
3. RESTORE ALL DISTURBED EXISTING DRIVES UP TO THE EDGE OF ROW.
4. SEE CTDOT GUIDE SHEETS FOR CONCRETE SIDEWALK RAMP DETAILS. BOTH INDEX AND SHEETS 1-11.
5. ALL CONFLICTING PAVEMENT MARKINGS SHALL BE REMOVED.

NOTES

5. PROPOSED RETAINING WALL TO BE MADE OF SOME PROPRIETY BLOCK WALL RETAINING SYSTEM. GENERIC STANDARD MAFIA BLOCKS ARE UNACCEPTABLE TO BE USED. THIS WALL IS A FULLY CONTRACTOR RELEGATED DESIGN, INCLUDING THE GEOTECHNICAL ENGINEERING SCOPE FOR DESIGNING THE WALL. BLOCK MATERIALS SUBJECT TO THE CITY OF BRISTOL APPROVAL.

LEGEND

- TYPE "C" CATCH BASIN
- TYPE "C" CATCH BASIN DOUBLE GRATE TYPE 1
- CONVERT CATCH BASIN TO MANHOLE

40 20 0 20 40
SCALE IN FEET

REV.	DATE	REVISION DESCRIPTION	SHEET NO.	PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

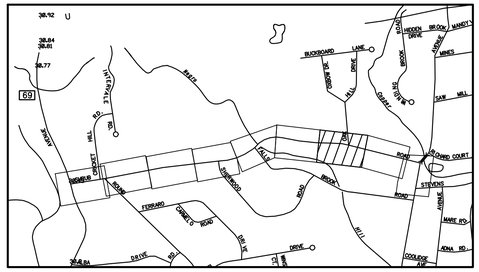
ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: 3401-CG SERIES (GRADING & DRAINAGE PLANS).DWG

SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS AT SHRUB ROAD

TOWN: **BRISTOL, CT**
DRAWING TITLE: **GRADING AND DRAINAGE PLAN - 6**

PROJECT NO. **3401**
DRAWING NO. **CG-105**
SHEET NO.



KEY PLAN

SCALE: 1" = 1000'

AREAS OF PROPOSE GRADING AT 3:1 SLOPES SHALL HAVE EROSION CONTROL MATTING – TYPE D (TYP).

CONVERT CATCH BASIN TO MANHOLE

INSTALL 10 LF 15" HDPE

INSTALL TYPE 'C' CATCH BASIN
TF = 325.29
INV. = 322.00

INSTALL TYPE 'C' DOUBLE TYPE I CATCH BASIN
TF = 318.75

OAK HILL DRIVE

SHRUB ROAD

N/F
CITY OF BRISTOL

N/F
ROMANOWSKI, ANNA & MARQUIS, BRIAN L.

409

415

370

380

390

400

N/F
POOLE, DONNA L.

MATCHLINE STA. 56+00 SEE DWG. NO. CG-105

MATCHLINE STA. 62+50 SEE DWG. NO. CG-107

NOTES

1. PROTECT ELEMENTS IN CONTRACT LIMITS NOT TO BE REMOVED AND DISPOSED.
2. ALL BRANCHES OF TREES EXTENDING WITHIN THE ROADWAY SHALL BE TRIMMED AS DIRECTED TO PROVIDE A 16-FOOT MINIMUM VERTICAL CLEARANCE INCLUDING SELECTIVE TRIMMING OF SUCH TREES AS DIRECTED. THIS WORK SHALL BE PAID FOR UNDER ITEM #0952001A "SELECTIVE CLEARING AND GRADING".
3. RESTORE ALL DISTURBED EXISTING DRIVES UP TO THE EDGE OF ROW.
4. SEE CTDOT GUIDE SHEETS FOR CONCRETE SIDEWALK RAMP DETAILS. BOTH INDEX AND SHEETS 1-11.
5. ALL CONFLICTING PAVEMENT MARKINGS SHALL BE REMOVED.

LEGEND

TYPE "C" CATCH BASIN

CONVERT CATCH BASIN TO MANHOLE

40 20 0 20 40

SCALE IN FEET

REV.	DATE	REVISION DESCRIPTION	SHEET NO.	PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: 3401-CG SERIES (GRADING & DRAINAGE PLANS).DWG

SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS AT SHRUB ROAD

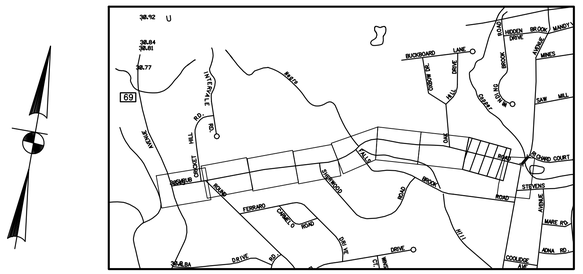
TOWN: **BRISTOL, CT**

DRAWING TITLE: **GRADING AND DRAINAGE PLAN - 7**

PROJECT NO. **3401**
DRAWING NO. **CG-106**
SHEET NO.

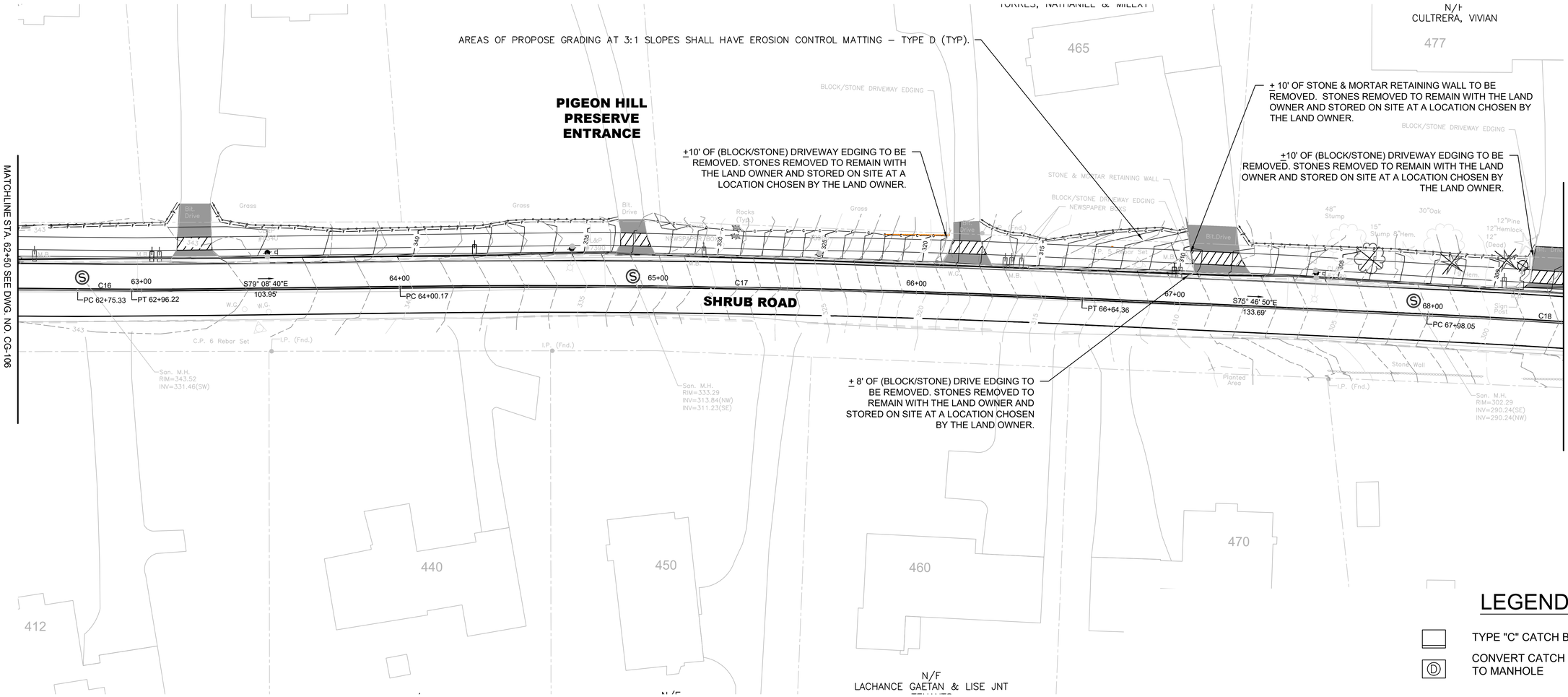
NOTES

1. PROTECT ELEMENTS IN CONTRACT LIMITS NOT TO BE REMOVED AND DISPOSED.
2. ALL BRANCHES OF TREES EXTENDING WITHIN THE ROADWAY SHALL BE TRIMMED AS DIRECTED TO PROVIDE A 16-FOOT MINIMUM VERTICAL CLEARANCE INCLUDING SELECTIVE TRIMMING OF SUCH TREES AS DIRECTED. THIS WORK SHALL BE PAID FOR UNDER ITEM #0952001A "SELECTIVE CLEARING AND GRADING".
3. RESTORE ALL DISTURBED EXISTING DRIVES UP TO THE EDGE OF ROW.
4. SEE CTDOT GUIDE SHEETS FOR CONCRETE SIDEWALK RAMP DETAILS. BOTH INDEX AND SHEETS 1-11.
5. ALL CONFLICTING PAVEMENT MARKINGS SHALL BE REMOVED.



KEY PLAN

SCALE: 1" = 1000'



LEGEND

- TYPE "C" CATCH BASIN
- CONVERT CATCH BASIN TO MANHOLE

40 20 0 20 40

SCALE IN FEET

REV.	DATE	REVISION DESCRIPTION	SHEET NO.	PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

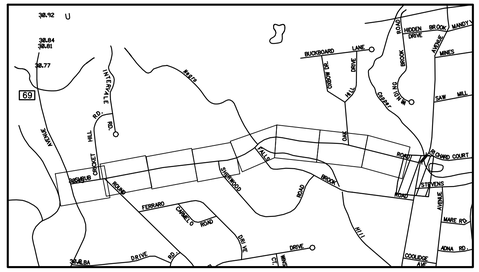
ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: 3401-CG SERIES (GRADING & DRAINAGE PLANS).DWG

SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS AT SHRUB ROAD

TOWN: **BRISTOL, CT**
DRAWING TITLE: **GRADING AND DRAINAGE PLAN - 8**

PROJECT NO. **3401**
DRAWING NO. **CG-107**
SHEET NO.



KEY PLAN

SCALE: 1" = 1000'

INSTALL TYPE 'C' CATCH BASIN
TF = 291.68
INV. = ±287.39 (IN & OUT)
MATCH EXISTING INVERT.

REMOVE AND RESTORE 69' LONG STONE RETAINING WALL
STATION 83+36.14' TO STATION 84+05.33

TOP OF STONE RETAINING WALL = ±293.00
BOTTOM OF STONE RETAINING WALL = ±292.00

CONVERT CATCH BASIN TO MANHOLE

PC 80+35.92

80+00

S33° 23' 41"W
35.92'

INSTALL 6 LF 15" HDPE

INSTALL TYPE 'C' CATCH BASIN TF = 292.50

INSTALL 5 LF 15" HDPE

CONVERT CATCH BASIN TO MANHOLE

SHRUB ROAD

S74° 09' 29"E
131.74'

PT 68+89.11

69+00

70+00

81+00

82+00

83+00

84+00

85+00

S05° 20' 17"W
219.24'

PT 82+80.76

JEROME AVENUE

STEVENS STREET

N/F
CITY OF NEW BRITAIN
&
NEW BRITAIN WATER COMPANY

N/F
OBRIEN, CRYSTAL

N/F
SOARES, JOHN J. & DENNIS, PEARLIE M.

N/F
COTE DANIEL GARY II & KASSANDRA

N/F
BRYANT JOHNNY LEE

N/F
HORVATH CSABA AKA.
CSABA Z HORVATH

N/F
MOYERS, MARK R.

FIELD DELINEATED WETLANDS

FIELD DELINEATED HIGH WATER MARK

EDGE OF WATER

100 YEAR FLOOD ZONE LIMIT

Copper Mine Brook

MATCHLINE STA. 68+50 SEE DWG. NO. CG-107

NOTES

1. PROTECT ELEMENTS IN CONTRACT LIMITS NOT TO BE REMOVED AND DISPOSED.
2. ALL BRANCHES OF TREES EXTENDING WITHIN THE ROADWAY SHALL BE TRIMMED AS DIRECTED TO PROVIDE A 16-FOOT MINIMUM VERTICAL CLEARANCE INCLUDING SELECTIVE TRIMMING OF SUCH TREES AS DIRECTED. THIS WORK SHALL BE PAID FOR UNDER ITEM #0952001A "SELECTIVE CLEARING AND GRADING".
3. RESTORE ALL DISTURBED EXISTING DRIVES UP TO THE EDGE OF ROW.
4. SEE CTDOT GUIDE SHEETS FOR CONCRETE SIDEWALK RAMP DETAILS. BOTH INDEX AND SHEETS 1-11.
5. ALL CONFLICTING PAVEMENT MARKINGS SHALL BE REMOVED.

LEGEND

TYPE "C" CATCH BASIN

CONVERT CATCH BASIN TO MANHOLE

40 20 0 20 40

SCALE IN FEET

REV.	DATE	REVISION DESCRIPTION	SHEET NO.	PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457

FILENAME: 3401-CG SERIES (GRADING & DRAINAGE PLANS).DWG

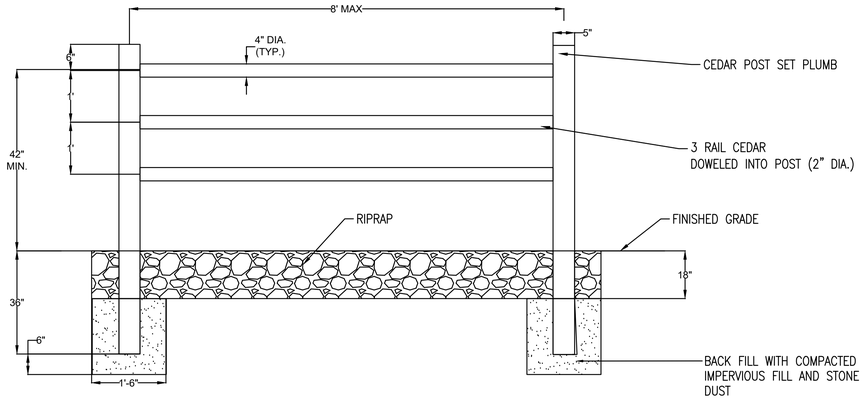
SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS AT SHRUB ROAD

TOWN: **BRISTOL, CT**

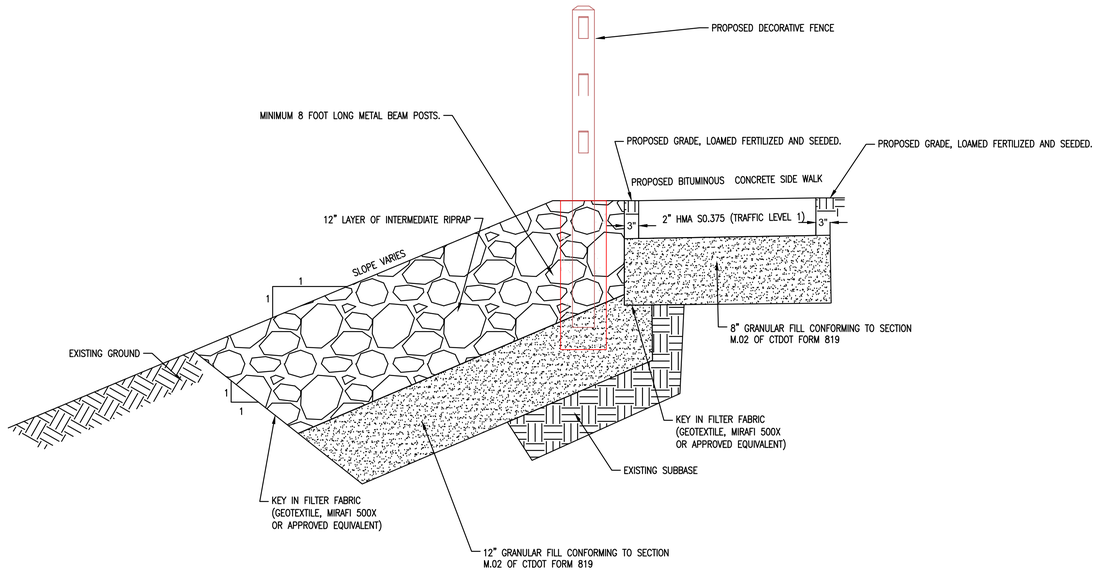
DRAWING TITLE: **GRADING AND DRAINAGE PLAN - 9**

PROJECT NO. **3401**
DRAWING NO. **CG-108**
SHEET NO.



DECORATIVE FENCE (SPILT RAIL FENCE) DETAIL

N.T.S.



RIPRAP DETAIL

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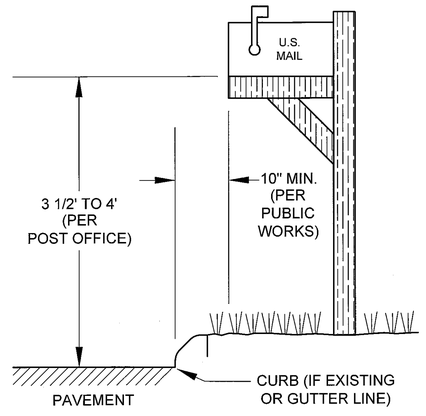
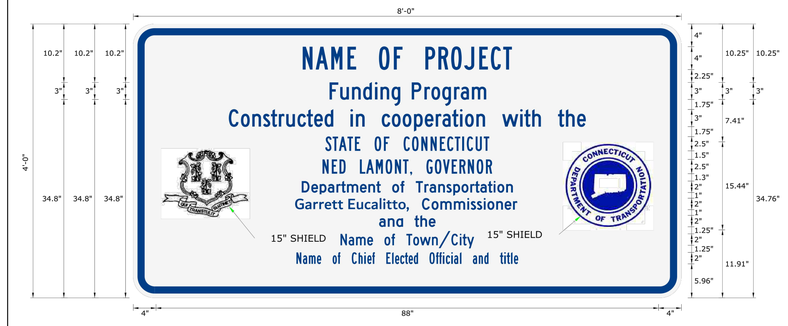


CITY OF BRISTOL MAILBOX PLACEMENT GUIDANCE

N.T.S.



TEMPORARY PROJECT FUNDING SIGN

N.T.S.

REV.	DATE	REVISION DESCRIPTION	SHEET NO.	PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

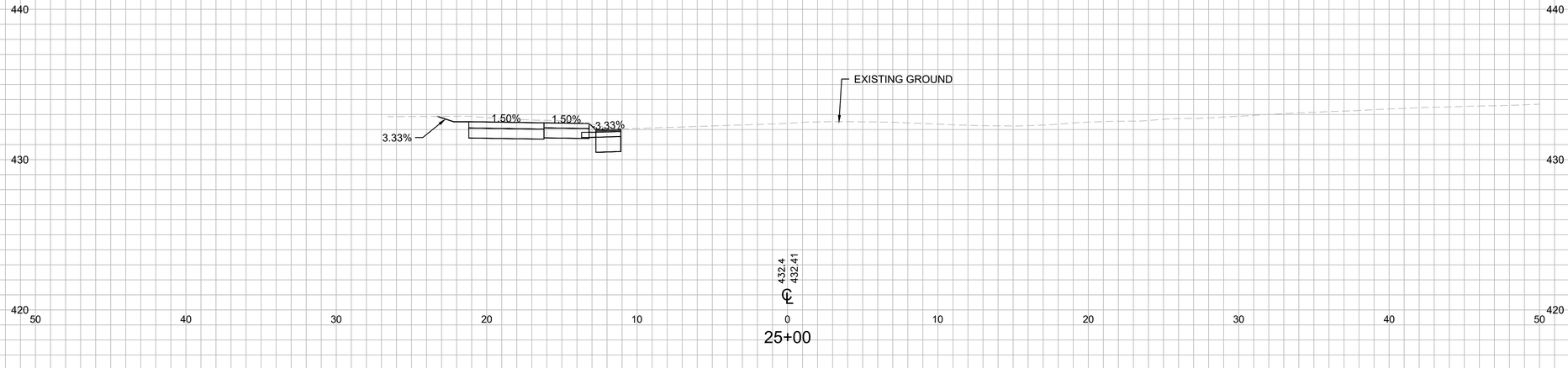
ENGINEER: AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: CV-100 MISCELLANEOUS DETAILS – 1.DWG

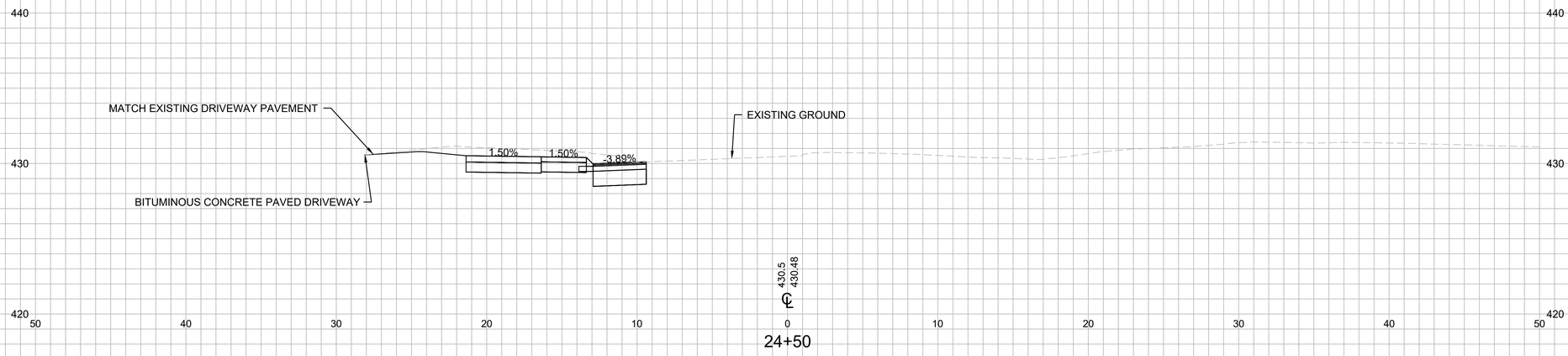
SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS
AT SHRUB ROAD

TOWN: **BRISTOL, CT**
DRAWING TITLE: **MISCELLANEOUS DETAILS - 1**

PROJECT NO. **3401**
DRAWING NO. **DET-101**
SHEET NO.





REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: 3401-CXSC SERIES (CROSS SECTIONS).DWG

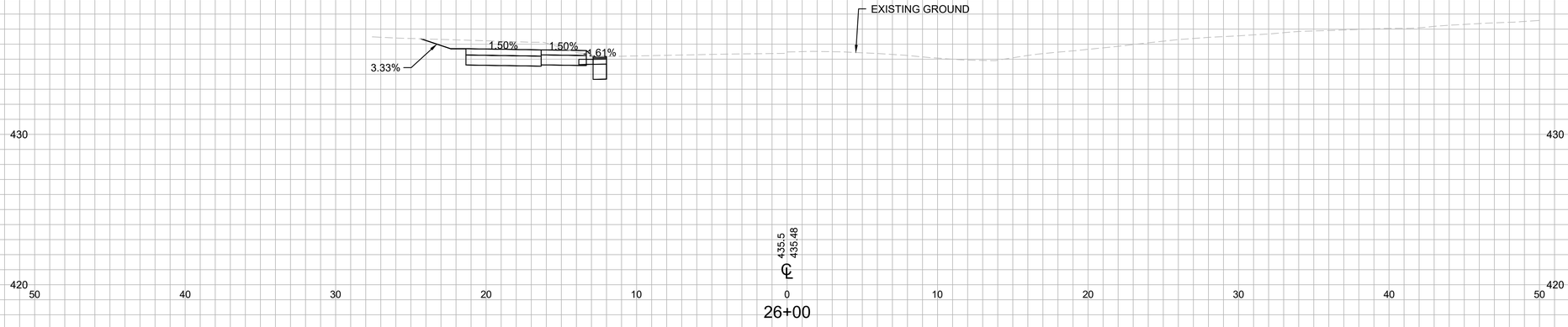
SIGNATURE/ BLOCK:

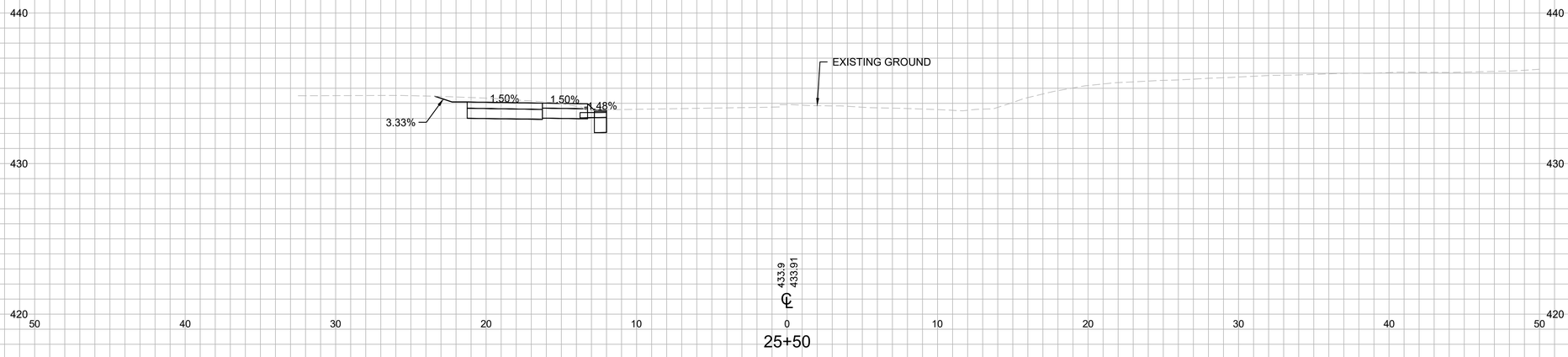
PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS
AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: SHRUB RD. CROSS SECTIONS - 01

PROJECT NO. **3401**
DRAWING NO. CX-101
SHEET NO.





REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: 3401-CXSC SERIES (CROSS SECTIONS).DWG

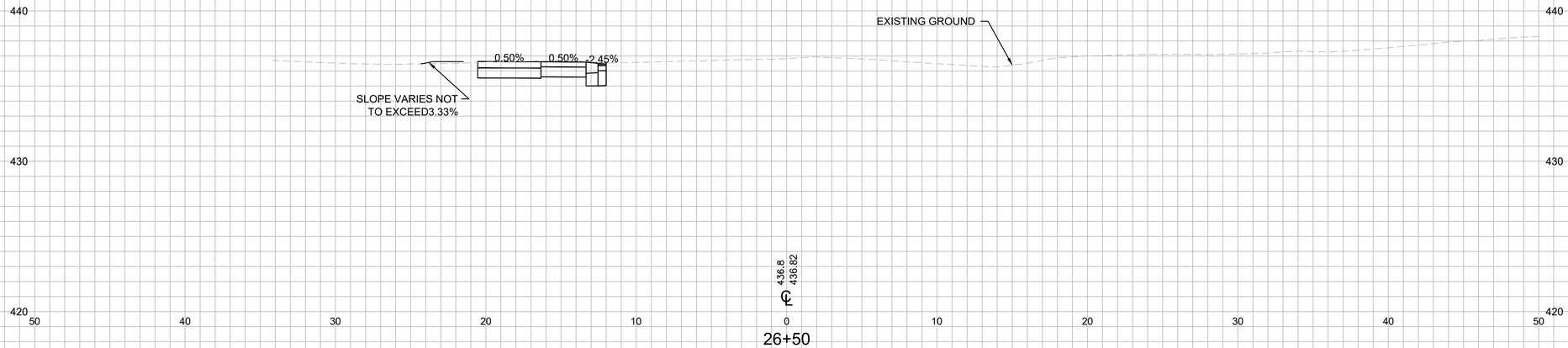
SIGNATURE/ BLOCK:

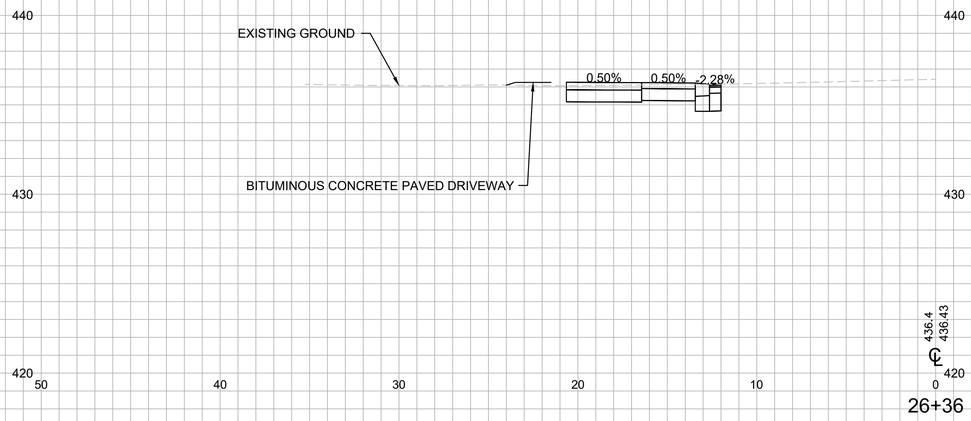
PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS
AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: SHRUB RD. CROSS SECTIONS - 02

PROJECT NO. **3401**
DRAWING NO. CX-102
SHEET NO.





REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457

FILENAME: 3401-CXSC SERIES (CROSS SECTIONS).DWG

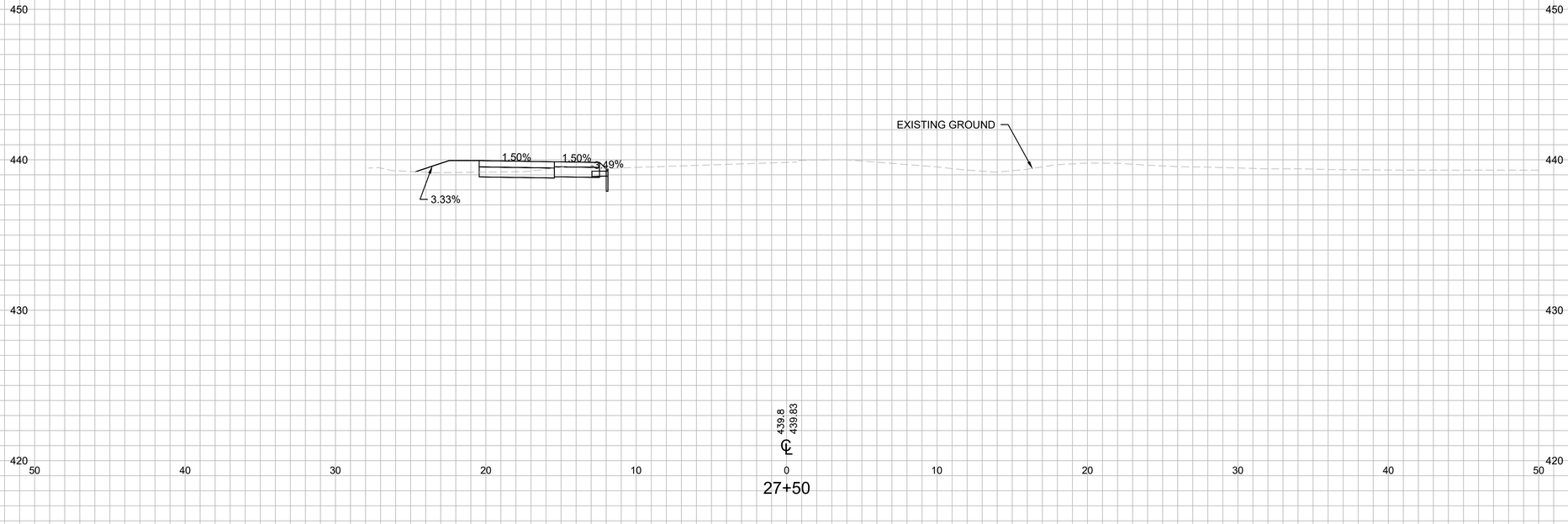
SIGNATURE/ BLOCK:

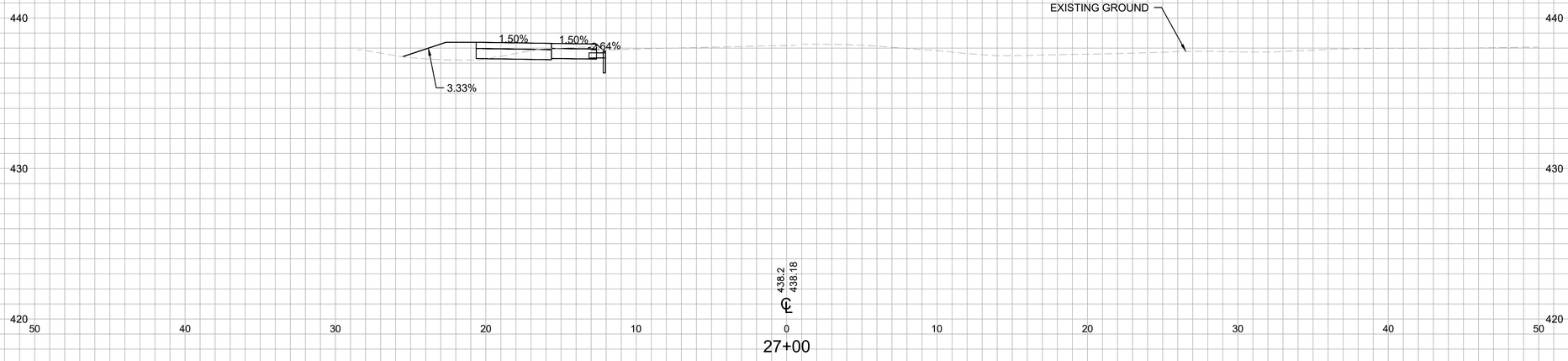
PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS
AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: SHRUB RD. CROSS SECTIONS - 03

PROJECT NO. **3401**
DRAWING NO. CX-103
SHEET NO.





REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: 3401-CXSC SERIES (CROSS SECTIONS).DWG

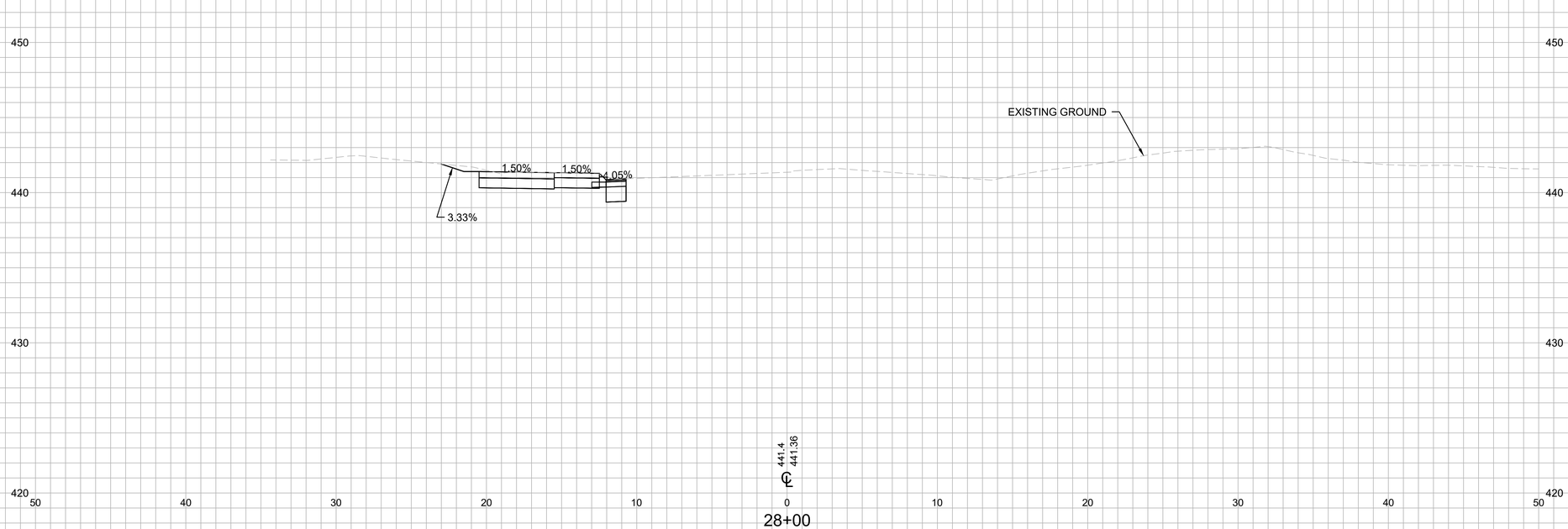
SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS
AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: SHRUB RD. CROSS SECTIONS - 04

PROJECT NO. **3401**
DRAWING NO. CX-104
SHEET NO.



REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457

FILENAME: 3401-CXSC SERIES (CROSS SECTIONS).DWG

SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS
AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: SHRUB RD. CROSS SECTIONS - 05

PROJECT NO. **3401**
DRAWING NO. CX-105
SHEET NO.

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: 3401-CXSC SERIES (CROSS SECTIONS).DWG

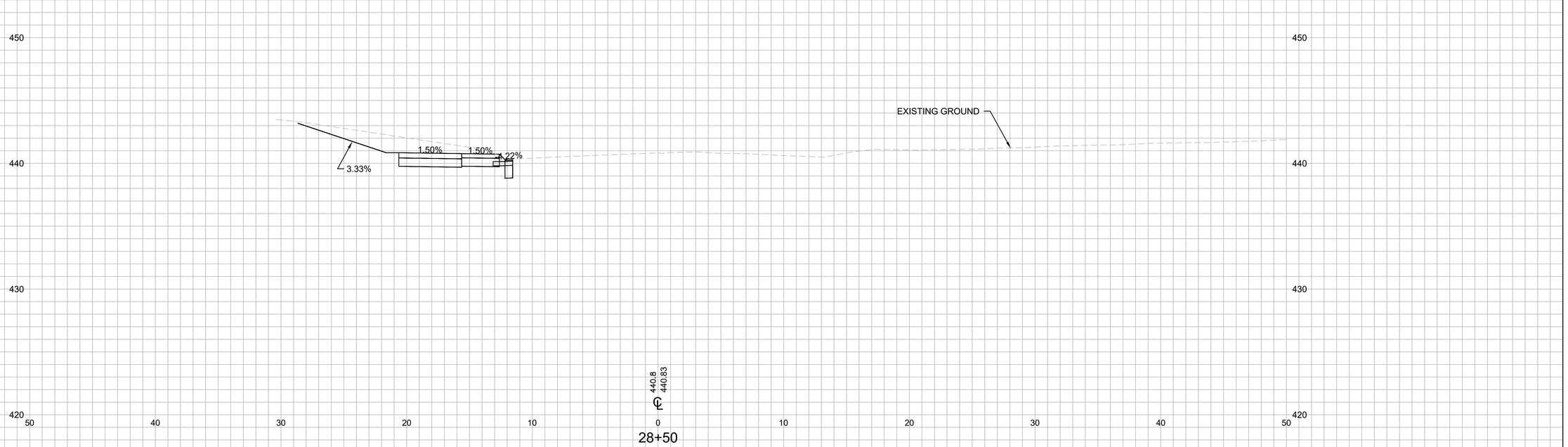
SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: SHRUB RD. CROSS SECTIONS - 06

PROJECT NO. 3401
DRAWING NO. CX-106
SHEET NO.



REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

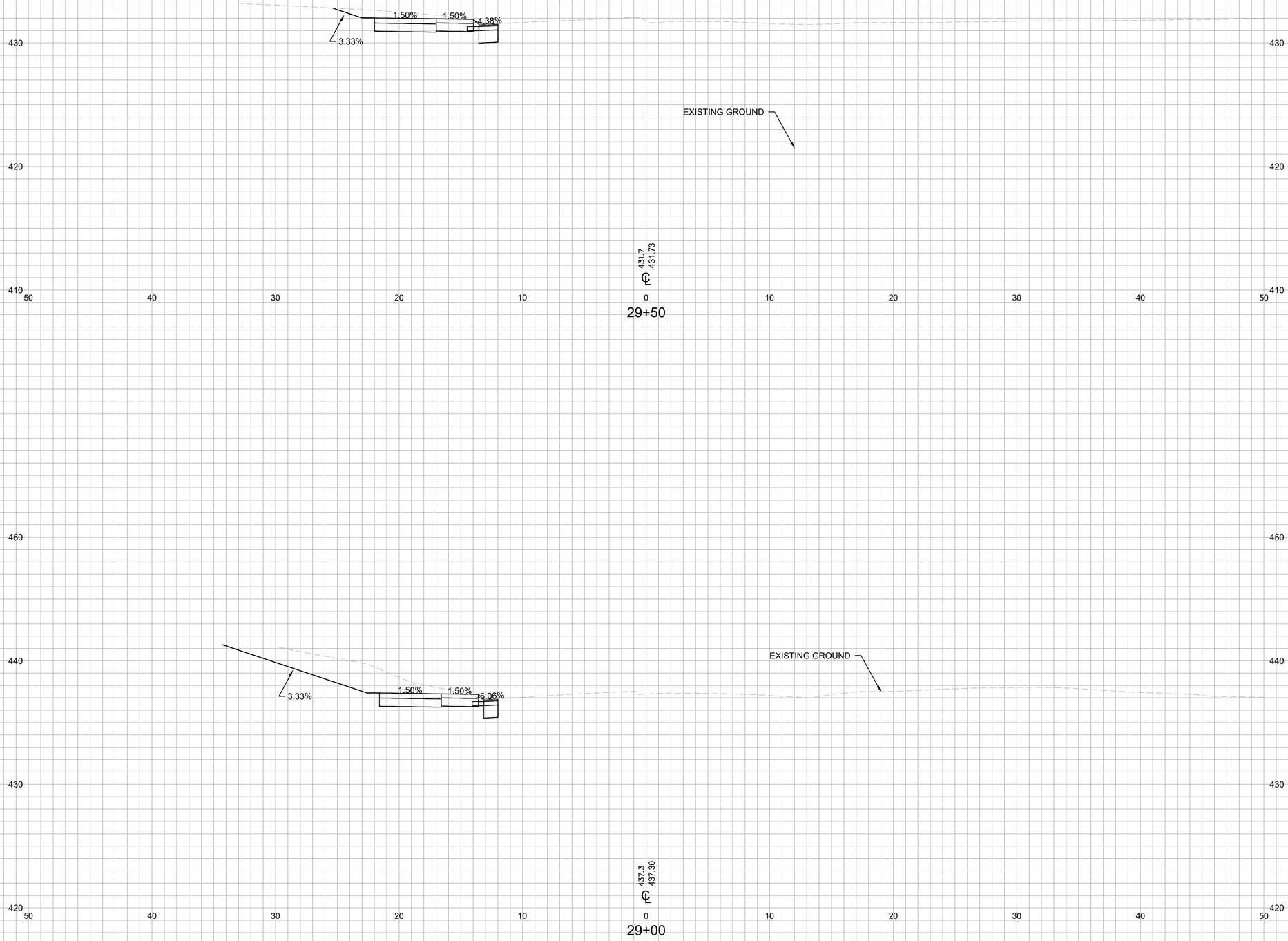
ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: 3401-CXSC SERIES (CROSS SECTIONS).DWG

SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS
AT SHRUB ROAD

TOWN: **BRISTOL, CT**
DRAWING TITLE: SHRUB RD. CROSS SECTIONS - 07

PROJECT NO. **3401**
DRAWING NO. CX-107
SHEET NO.



REV.	DATE	REVISION DESCRIPTION	SHEET NO.	PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

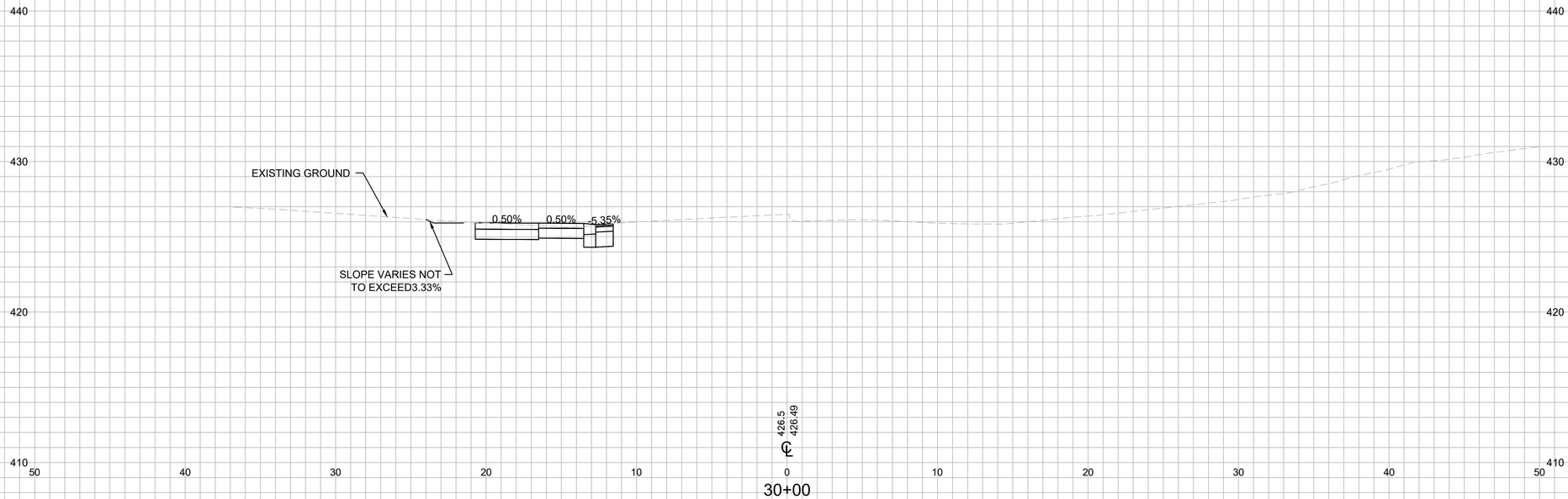
ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: 3401-CXSC SERIES (CROSS SECTIONS).DWG

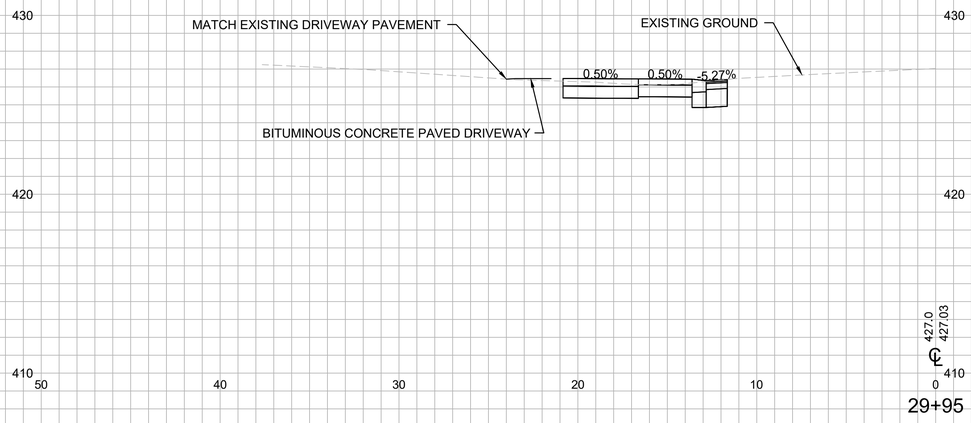
SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS AT SHRUB ROAD

TOWN: **BRISTOL, CT**
DRAWING TITLE: SHRUB RD. CROSS SECTIONS - 08

PROJECT NO. 3401
DRAWING NO. CX-108
SHEET NO.





REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457

FILENAME: 3401-CXSC SERIES (CROSS SECTIONS).DWG

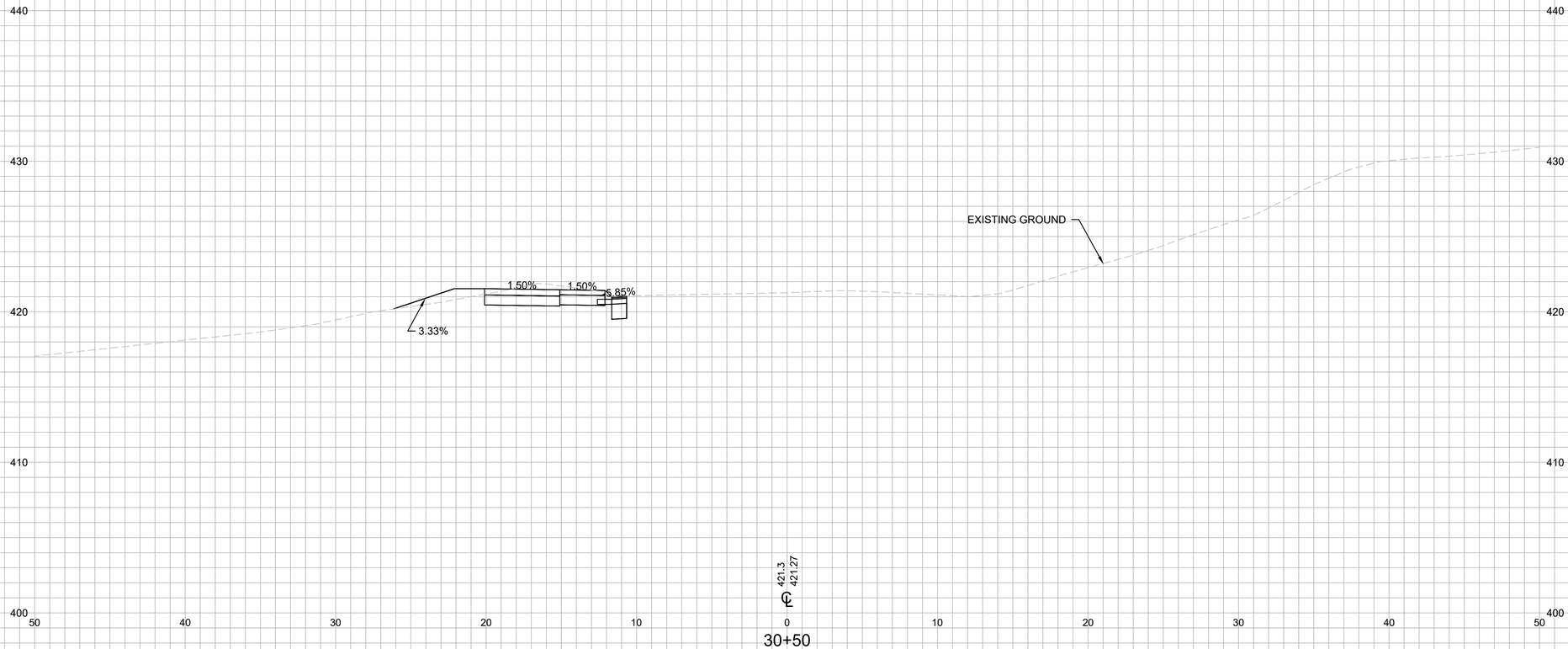
SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS
AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: SHRUB RD. CROSS SECTIONS - 09

PROJECT NO. **3401**
DRAWING NO. CX-109
SHEET NO.



REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457

FILENAME: 3401-CXSC SERIES (CROSS SECTIONS).DWG

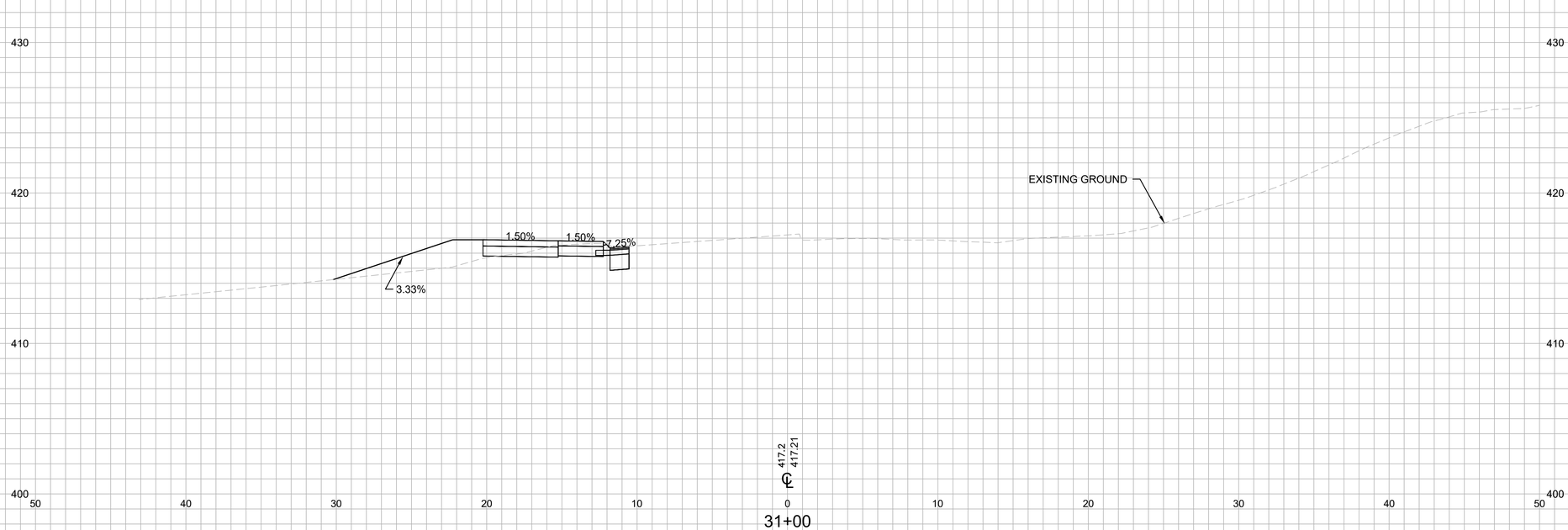
SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: SHRUB RD. CROSS SECTIONS - 10

PROJECT NO. **3401**
DRAWING NO. CX-110
SHEET NO.



REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457

FILENAME: 3401-CXSC SERIES (CROSS SECTIONS).DWG

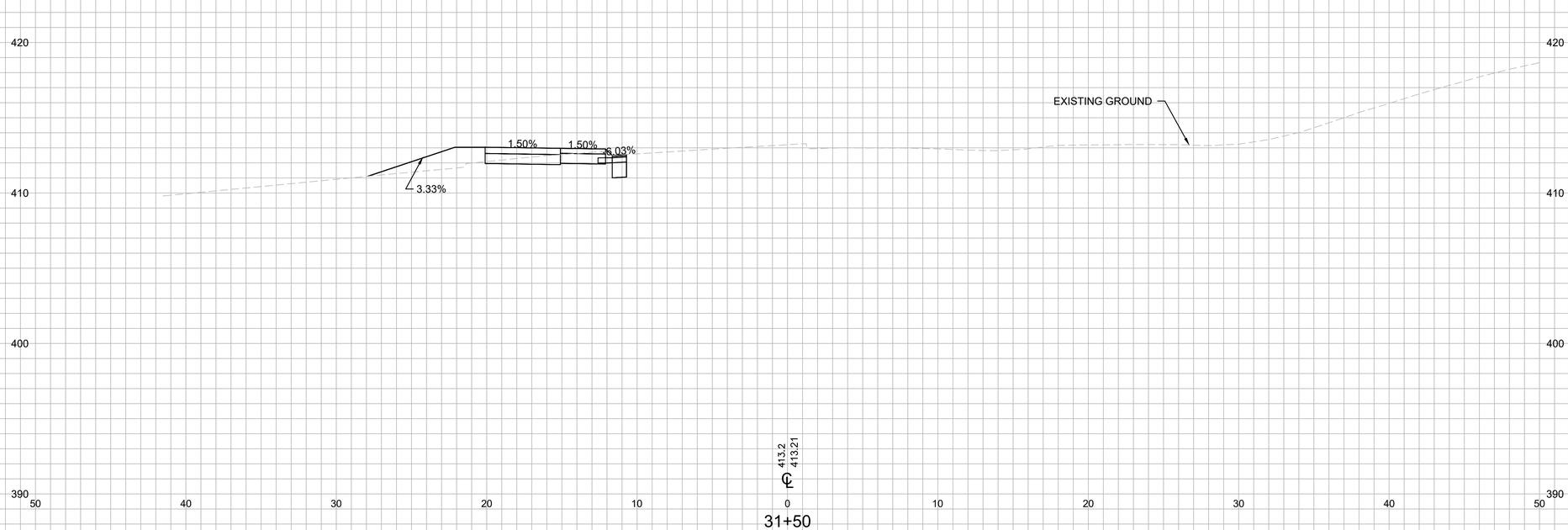
SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS
AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: SHRUB RD. CROSS SECTIONS - 11

PROJECT NO. 3401
DRAWING NO. CX-111
SHEET NO.



REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457

FILENAME: 3401-CXSC SERIES (CROSS SECTIONS).DWG

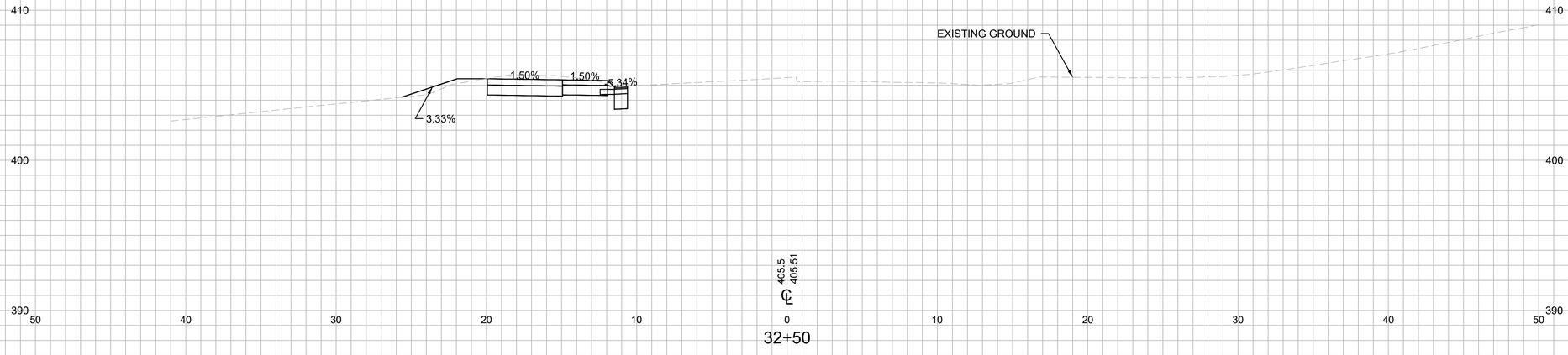
SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS AT SHRUB ROAD

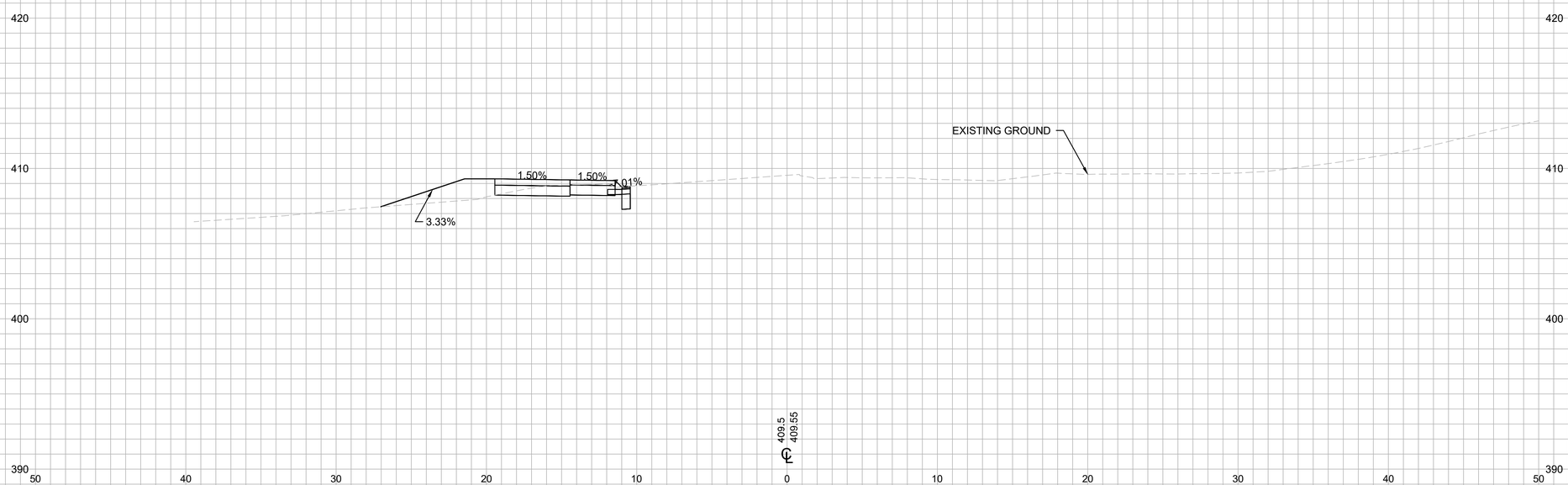
TOWN: **BRISTOL, CT**

DRAWING TITLE: SHRUB RD. CROSS SECTIONS - 12

PROJECT NO. **3401**
DRAWING NO. CX-112
SHEET NO.



32+50



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REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: 3401-CXSC SERIES (CROSS SECTIONS).DWG

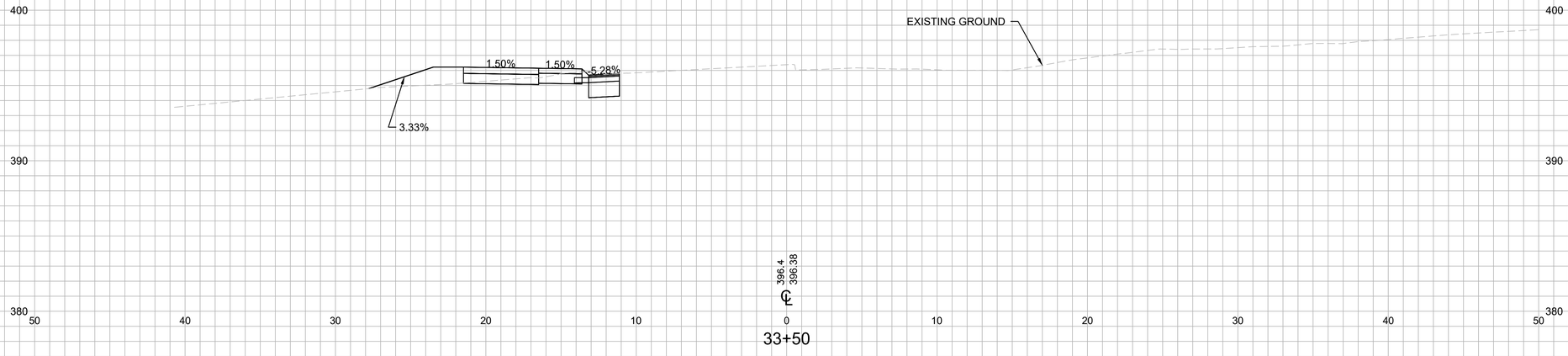
SIGNATURE/ BLOCK:

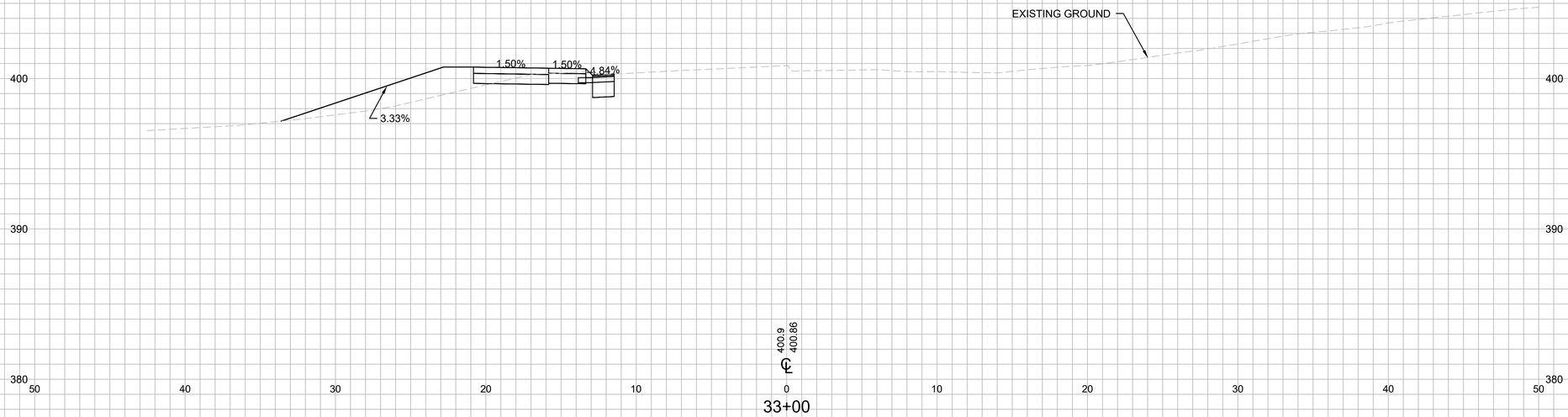
PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: SHRUB RD. CROSS SECTIONS - 13

PROJECT NO. **3401**
DRAWING NO. CX-113
SHEET NO.





REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: 3401-CXSC SERIES (CROSS SECTIONS).DWG

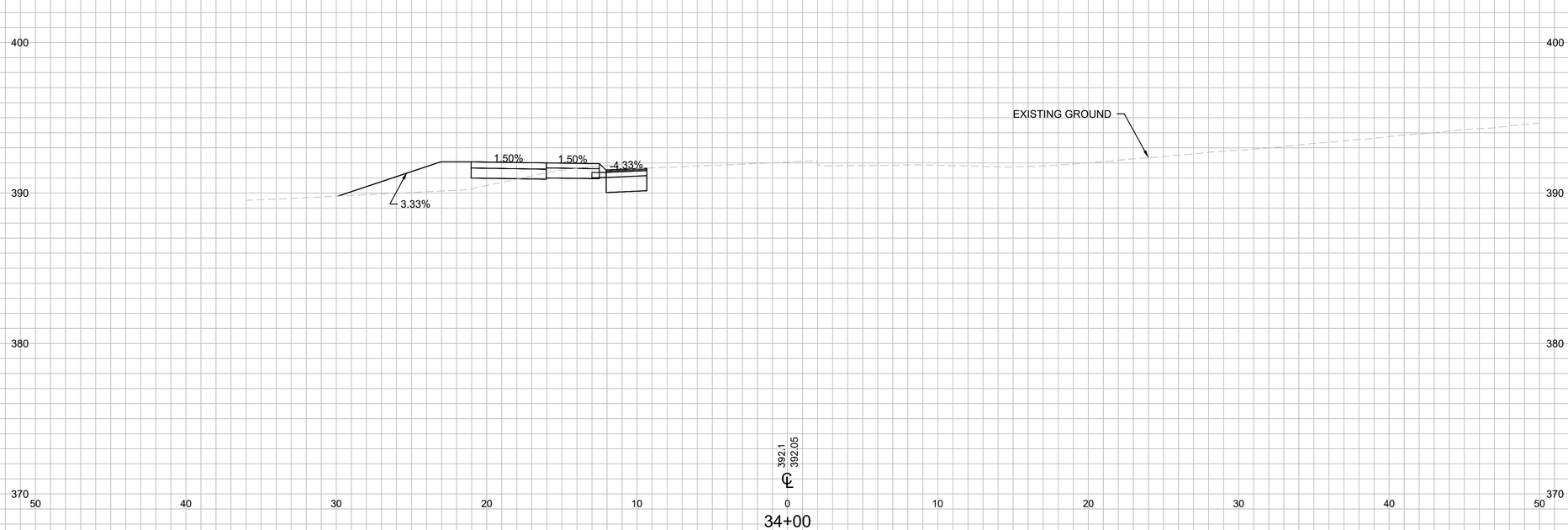
SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: SHRUB RD. CROSS SECTIONS - 14

PROJECT NO. **3401**
DRAWING NO. CX-114
SHEET NO.



REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: 3401-CXSC SERIES (CROSS SECTIONS).DWG

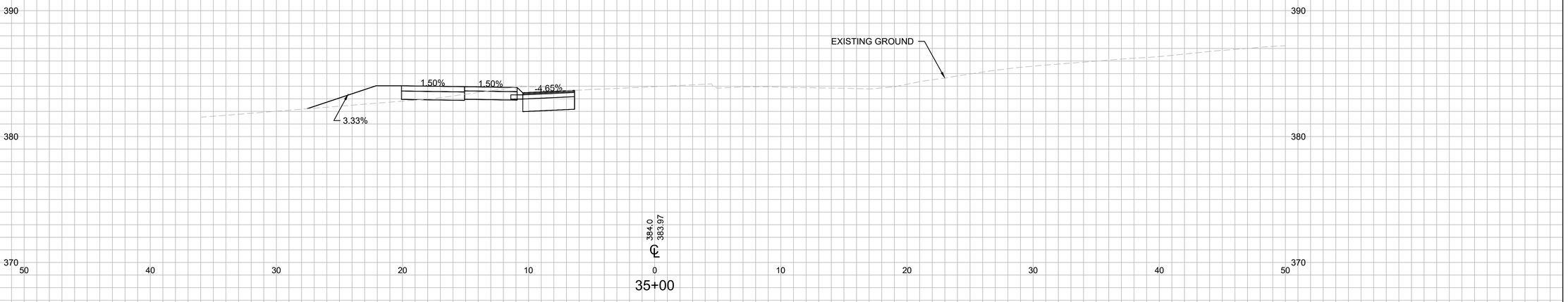
SIGNATURE/ BLOCK:

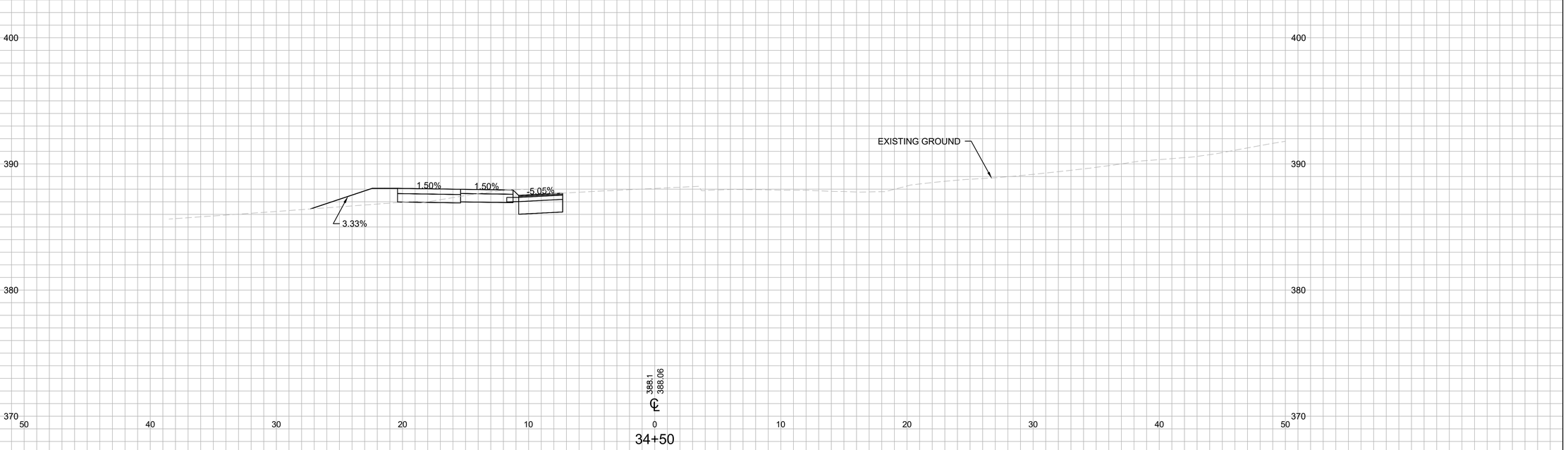
PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: SHRUB RD. CROSS SECTIONS - 15

PROJECT NO. **3401**
DRAWING NO. CX-115
SHEET NO.





REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457

FILENAME: 3401-CXSC SERIES (CROSS SECTIONS).DWG

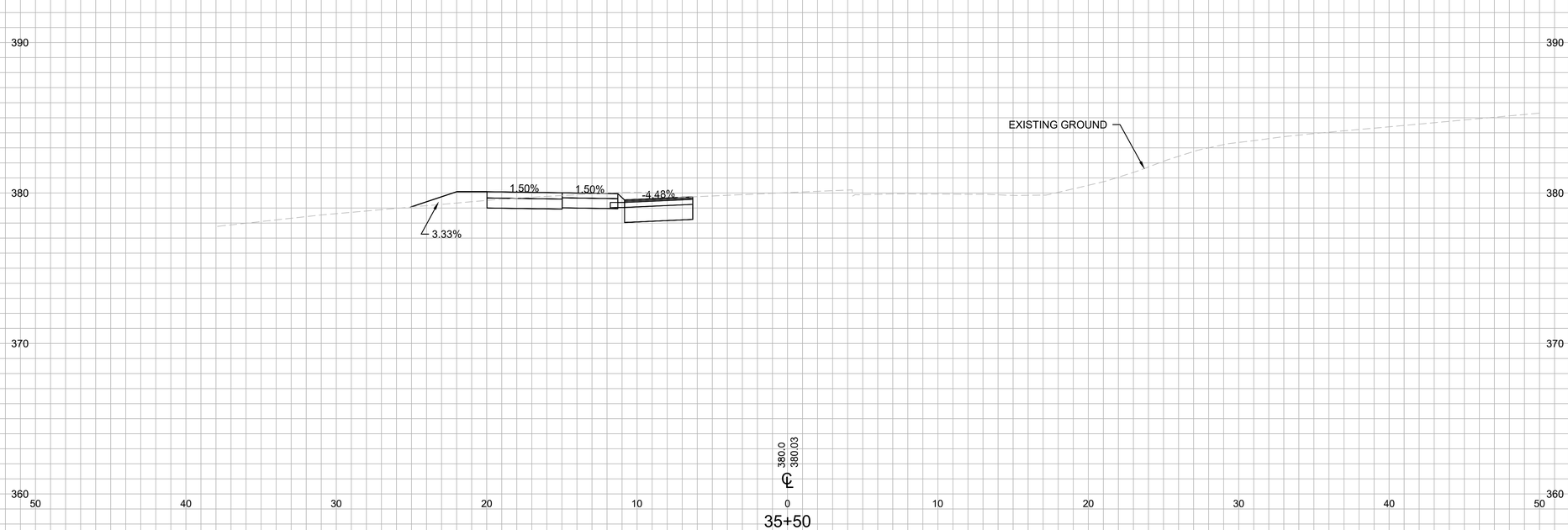
SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: SHRUB RD. CROSS SECTIONS - 16

PROJECT NO. **3401**
DRAWING NO. CX-116
SHEET NO.



REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457

FILENAME: 3401-CXSC SERIES (CROSS SECTIONS).DWG

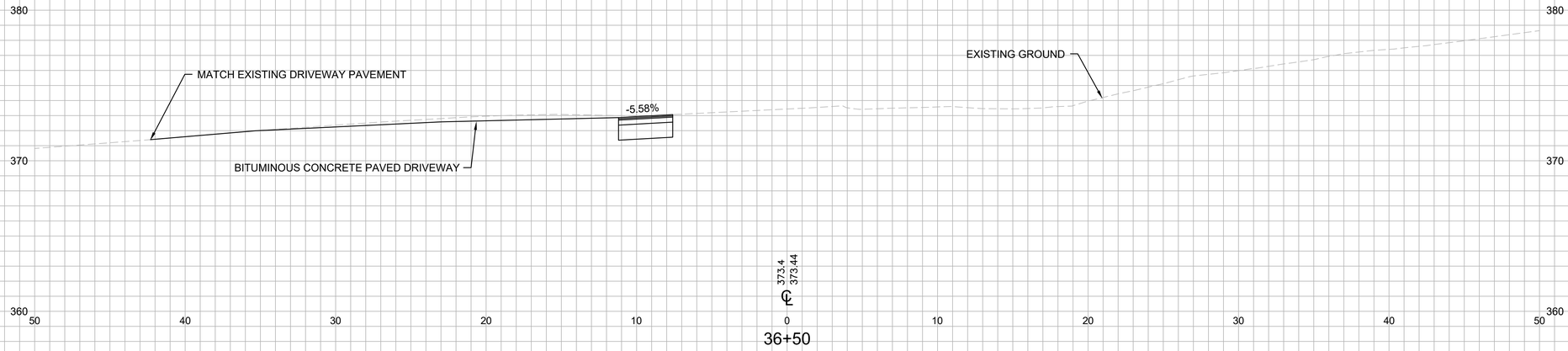
SIGNATURE/ BLOCK:

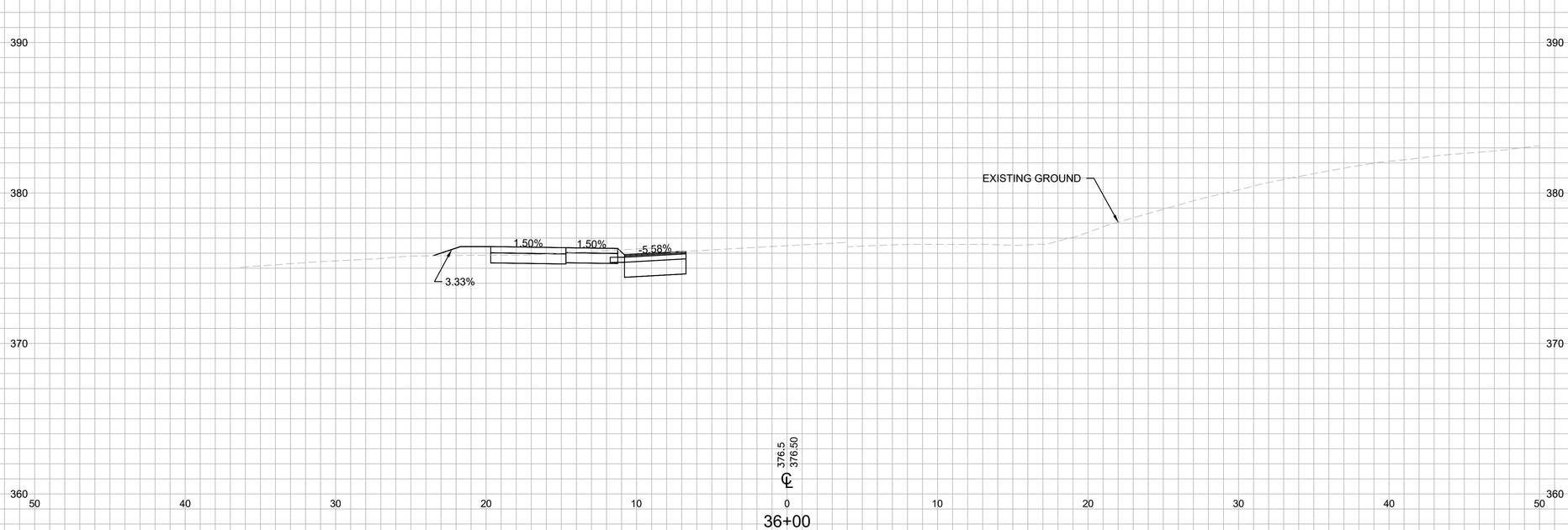
PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: SHRUB RD. CROSS SECTIONS - 17

PROJECT NO. **3401**
DRAWING NO. CX-117
SHEET NO.





REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: 3401-CXSC SERIES (CROSS SECTIONS).DWG

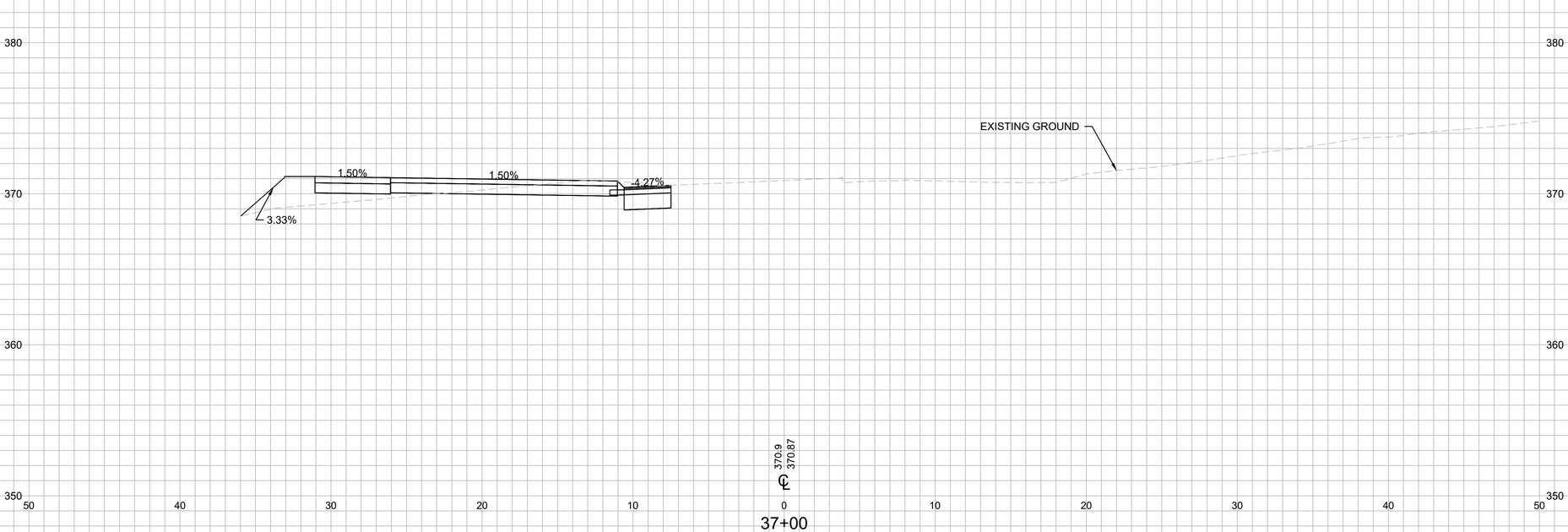
SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: SHRUB RD. CROSS SECTIONS - 18

PROJECT NO. **3401**
DRAWING NO. CX-118
SHEET NO.



REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457

FILENAME: 3401-CXSC SERIES (CROSS SECTIONS).DWG

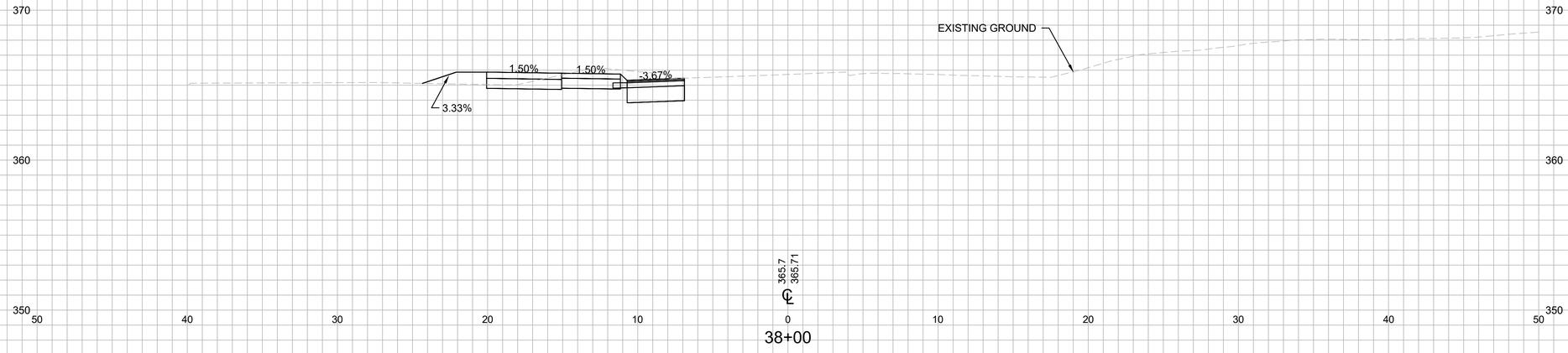
SIGNATURE/ BLOCK:

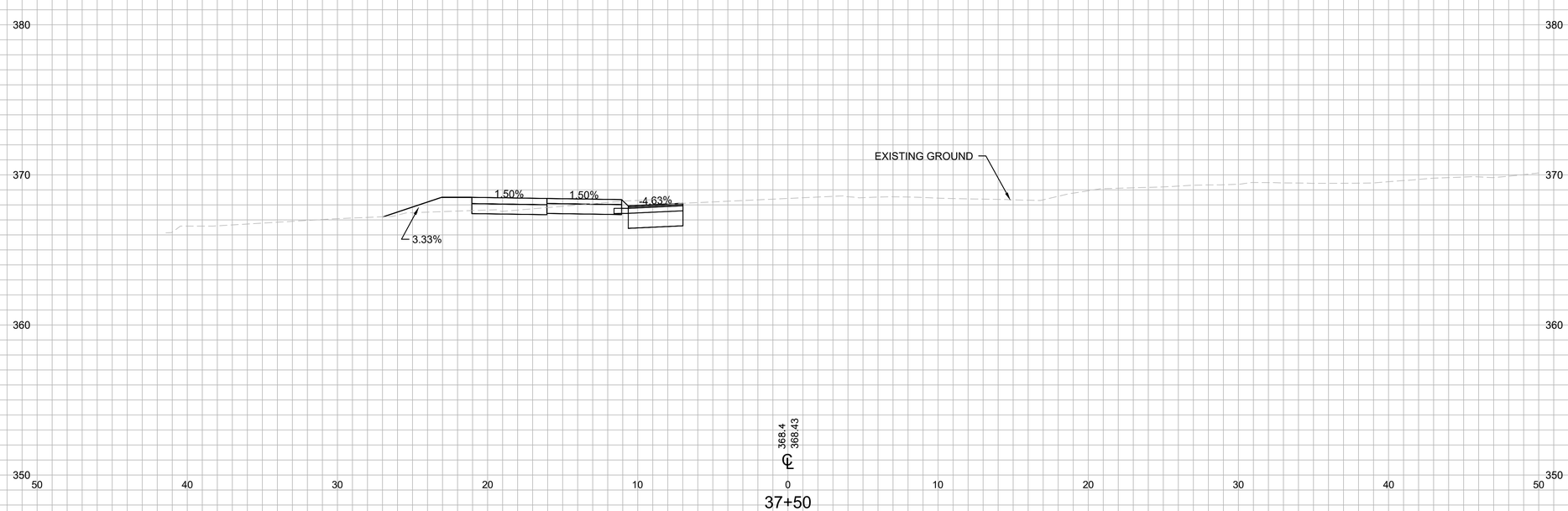
PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: SHRUB RD. CROSS SECTIONS - 19

PROJECT NO. 3401
DRAWING NO. CX-119
SHEET NO.





REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: 3401-CXSC SERIES (CROSS SECTIONS).DWG

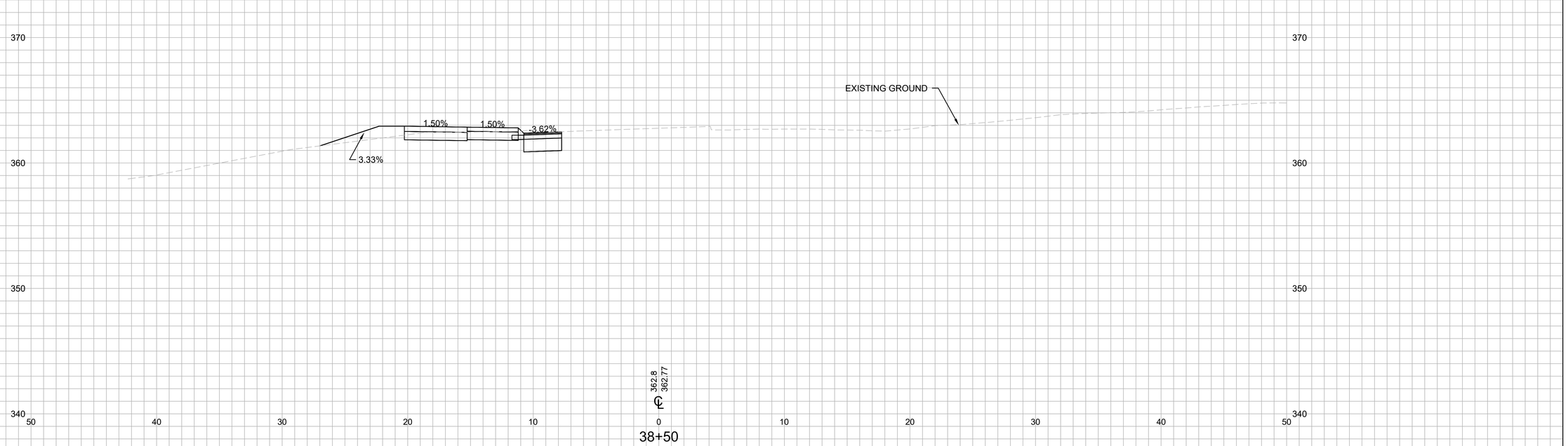
SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: SHRUB RD. CROSS SECTIONS - 20

PROJECT NO. **3401**
DRAWING NO. CX-120
SHEET NO.



REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457

FILENAME: 3401-CXSC SERIES (CROSS SECTIONS).DWG

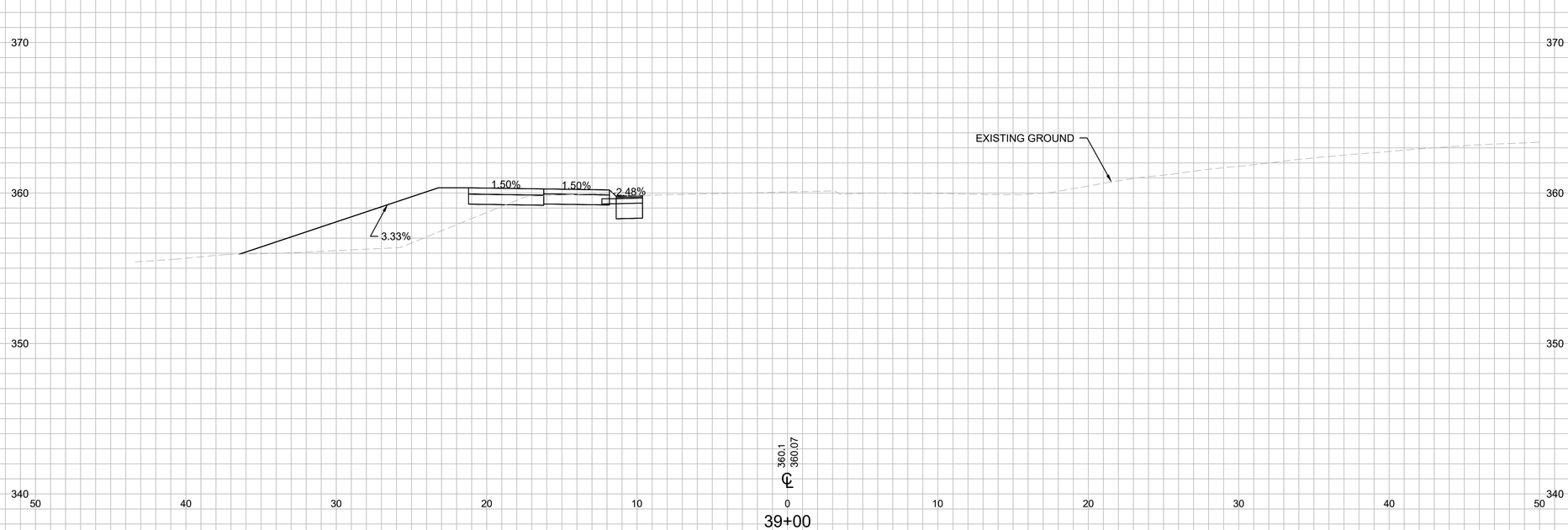
SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: SHRUB RD. CROSS SECTIONS - 21

PROJECT NO. **3401**
DRAWING NO. CX-121
SHEET NO.



REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457

FILENAME: 3401-CXSC SERIES (CROSS SECTIONS).DWG

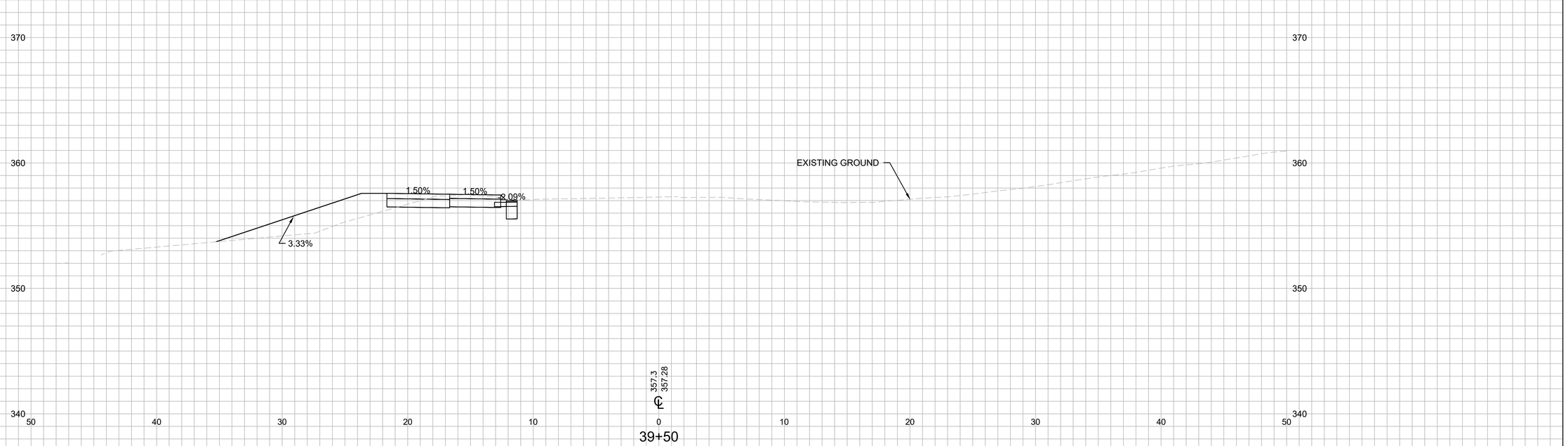
SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: SHRUB RD. CROSS SECTIONS - 22

PROJECT NO. 3401
DRAWING NO. CX-122
SHEET NO.



REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457

FILENAME: 3401-CXSC SERIES (CROSS SECTIONS).DWG

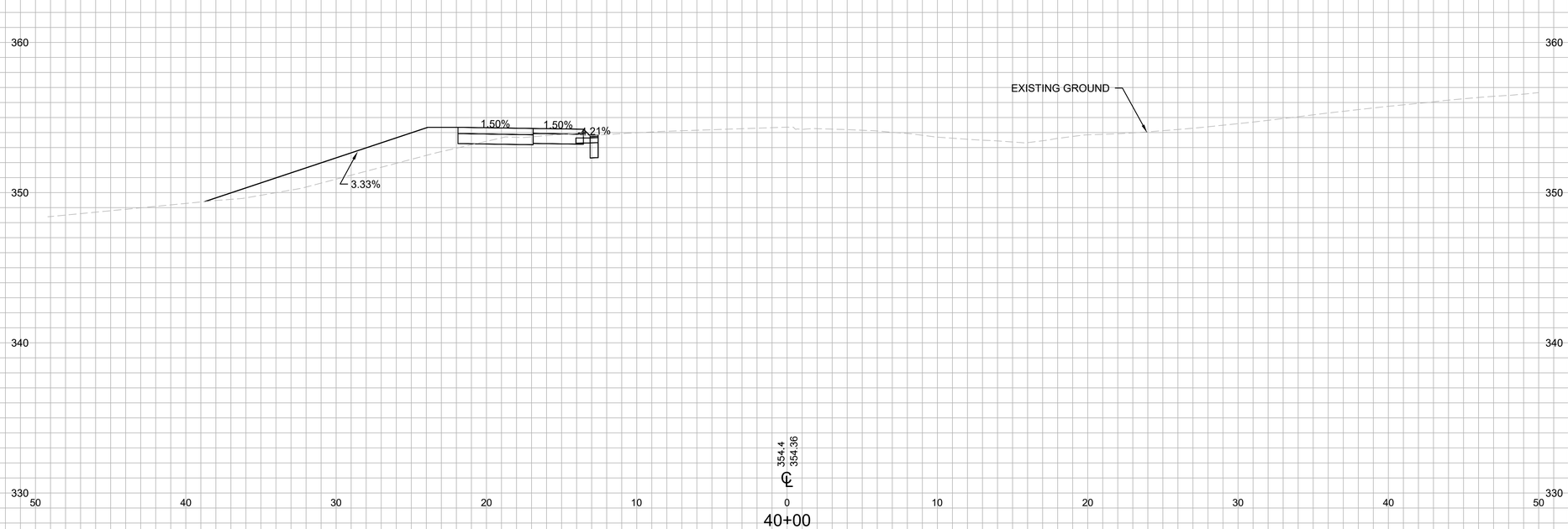
SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: SHRUB RD. CROSS SECTIONS - 23

PROJECT NO. 3401
DRAWING NO. CX-123
SHEET NO.



REV.	DATE	REVISION DESCRIPTION	SHEET NO.	PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

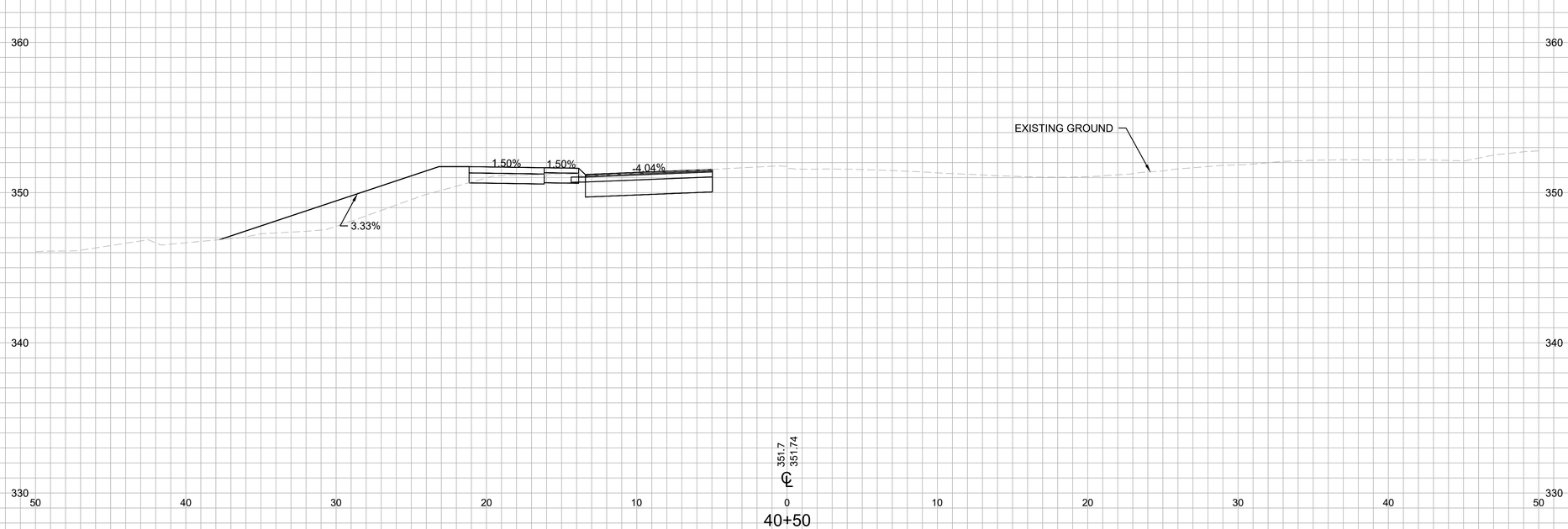
ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: 3401-CXSC SERIES (CROSS SECTIONS).DWG

SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS AT SHRUB ROAD

TOWN: **BRISTOL, CT**
DRAWING TITLE: SHRUB RD. CROSS SECTIONS - 24

PROJECT NO. **3401**
DRAWING NO. CX-124
SHEET NO.



REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

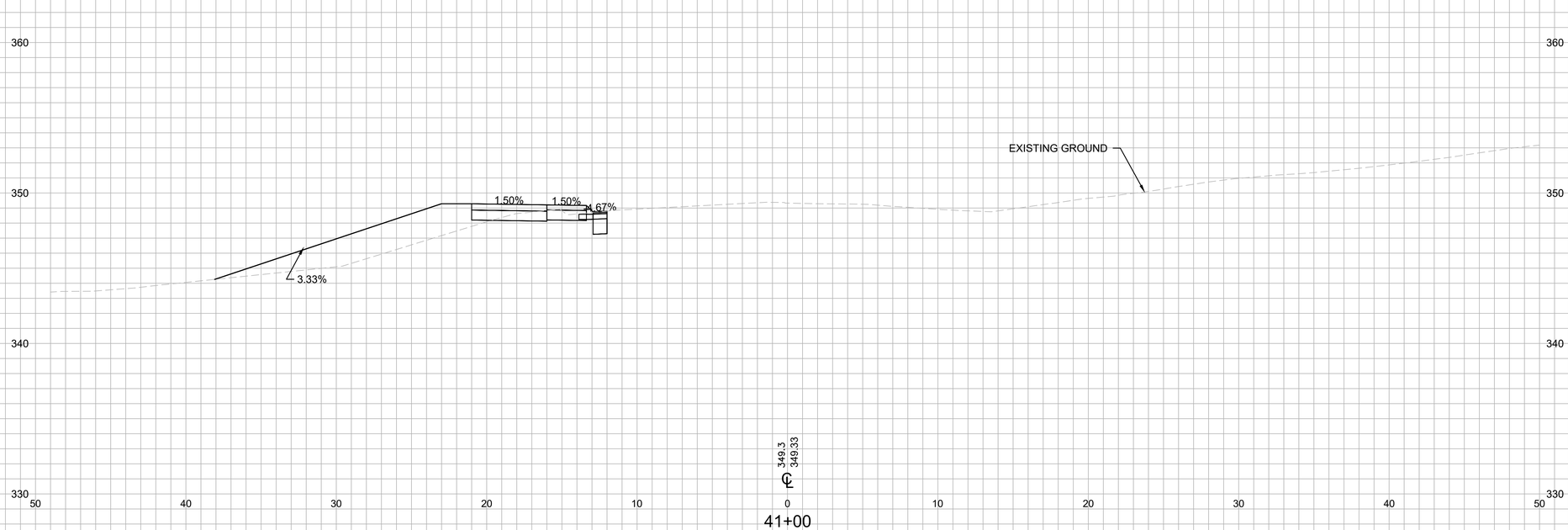
ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: 3401-CXSC SERIES (CROSS SECTIONS).DWG

SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS AT SHRUB ROAD

TOWN: **BRISTOL, CT**
DRAWING TITLE: SHRUB RD. CROSS SECTIONS - 25

PROJECT NO. 3401
DRAWING NO. CX-125
SHEET NO.



REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457

FILENAME: 3401-CXSC SERIES (CROSS SECTIONS).DWG

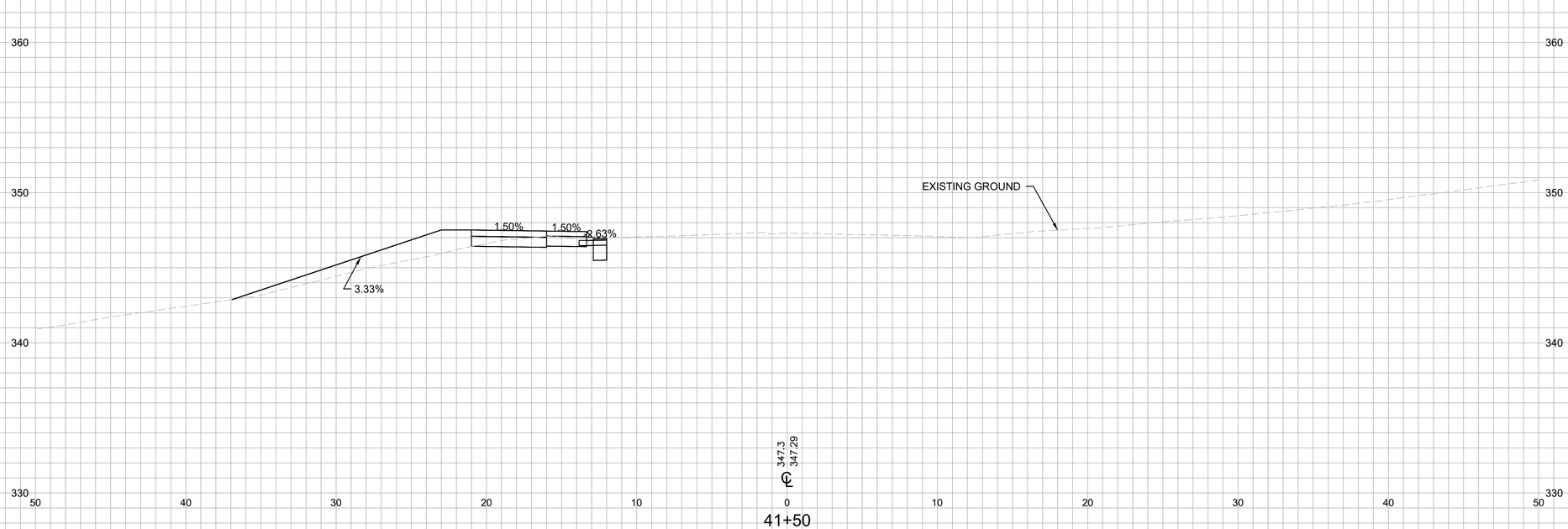
SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: SHRUB RD. CROSS SECTIONS - 26

PROJECT NO. 3401
DRAWING NO. CX-126
SHEET NO.



REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457

FILENAME: 3401-CXSC SERIES (CROSS SECTIONS).DWG

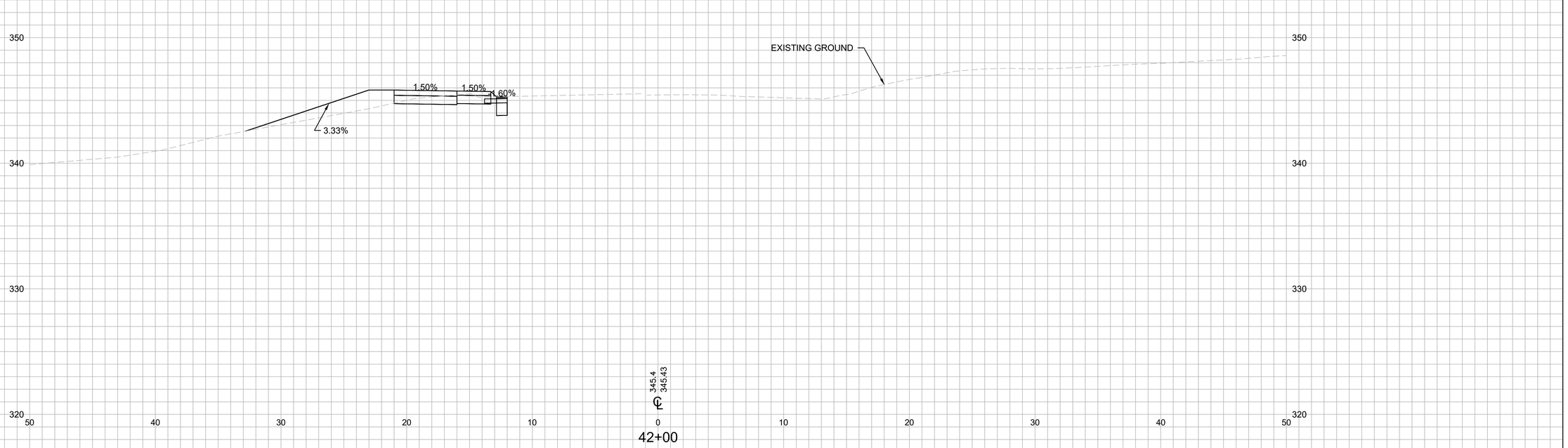
SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: SHRUB RD. CROSS SECTIONS - 27

PROJECT NO. **3401**
DRAWING NO. CX-127
SHEET NO.



REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457

FILENAME: 3401-CXSC SERIES (CROSS SECTIONS).DWG

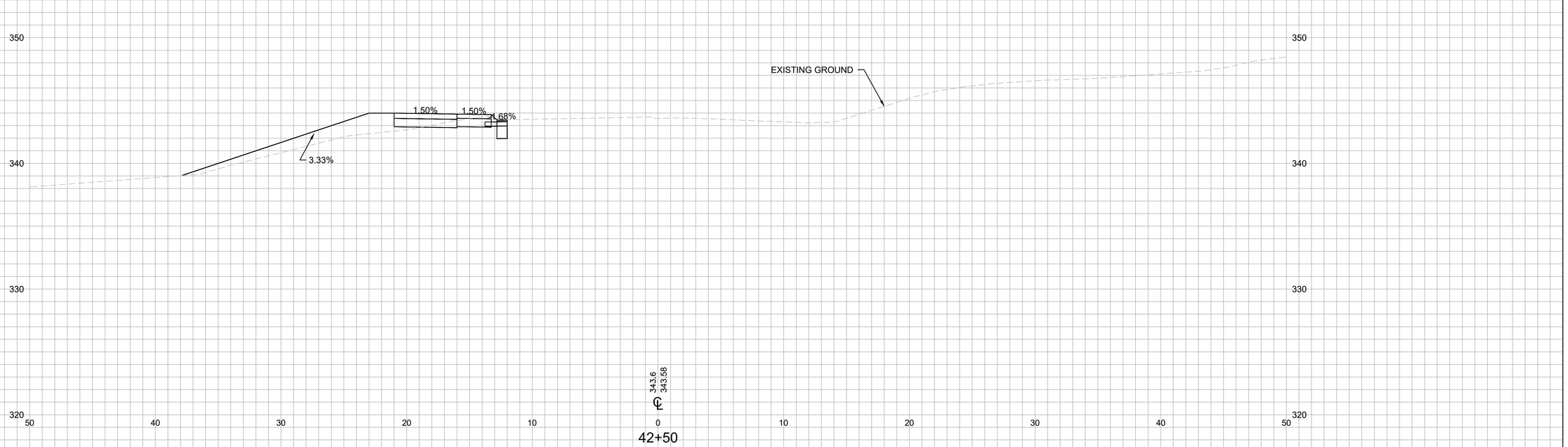
SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: SHRUB RD. CROSS SECTIONS - 28

PROJECT NO. 3401
DRAWING NO. CX-128
SHEET NO.



REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457

FILENAME: 3401-CXSC SERIES (CROSS SECTIONS).DWG

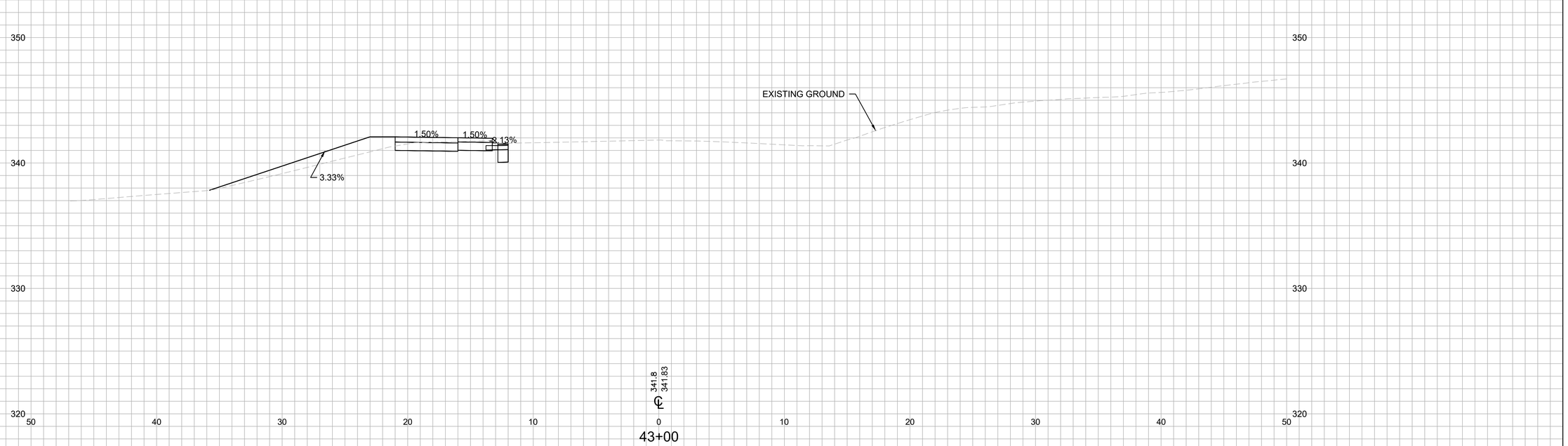
SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: SHRUB RD. CROSS SECTIONS - 29

PROJECT NO. **3401**
DRAWING NO. CX-129
SHEET NO.



REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457

FILENAME: 3401-CXSC SERIES (CROSS SECTIONS).DWG

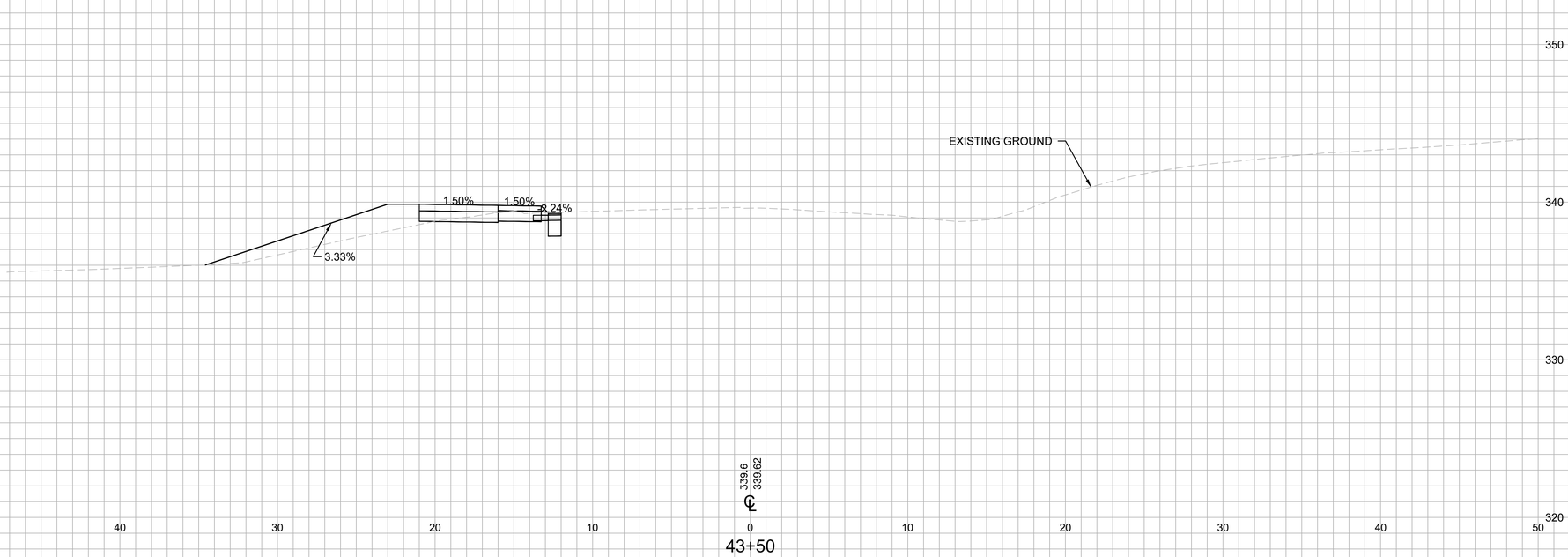
SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: SHRUB RD. CROSS SECTIONS - 30

PROJECT NO. **3401**
DRAWING NO. CX-130
SHEET NO.



REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457

FILENAME: 3401-CXSC SERIES (CROSS SECTIONS).DWG

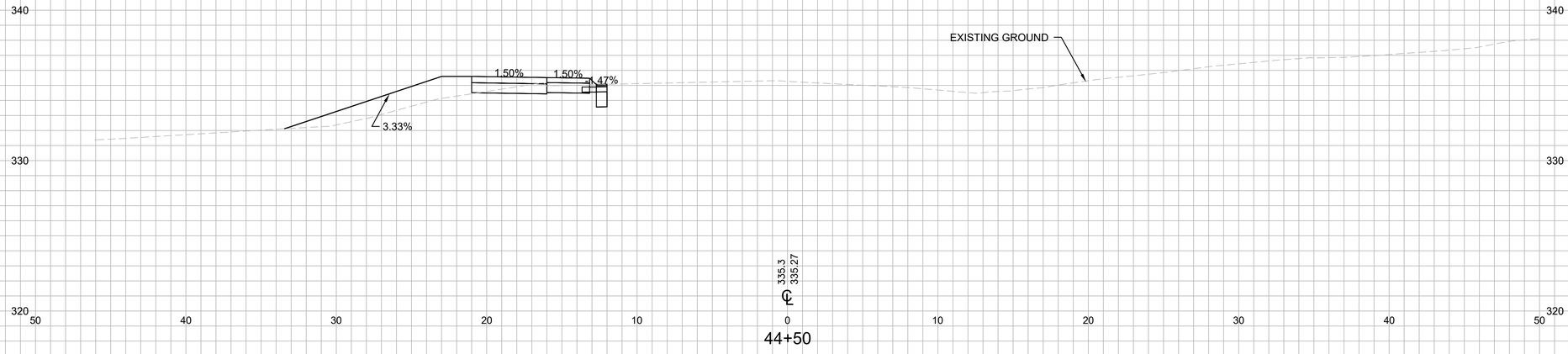
SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: SHRUB RD. CROSS SECTIONS - 31

PROJECT NO. 3401
DRAWING NO. CX-131
SHEET NO.



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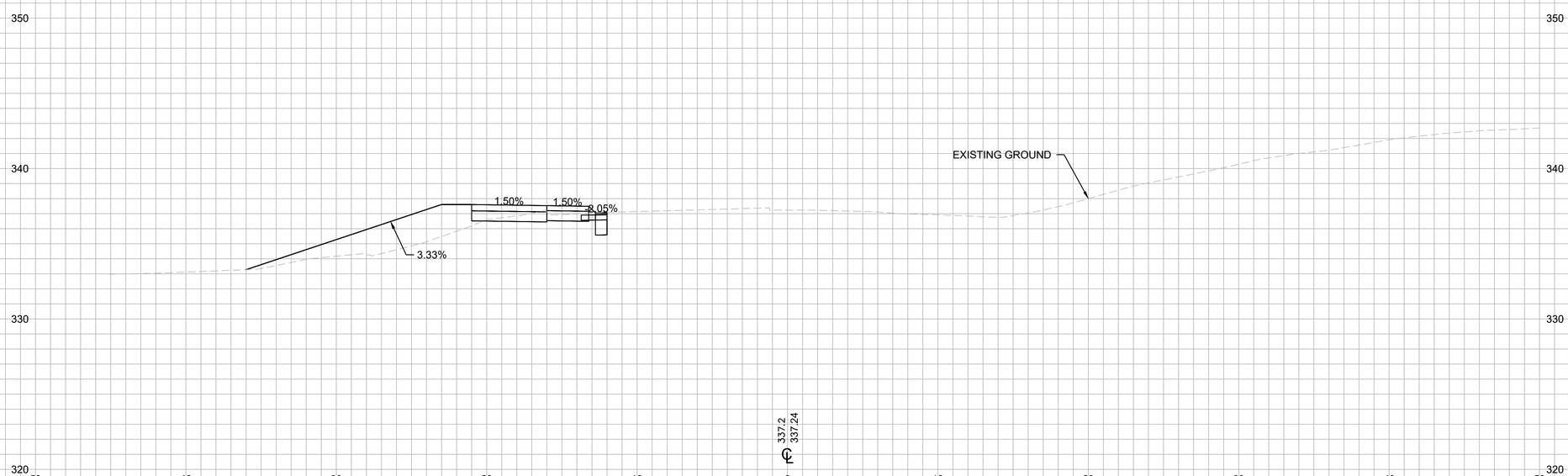


44+00

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: 3401-CXSC SERIES (CROSS SECTIONS).DWG

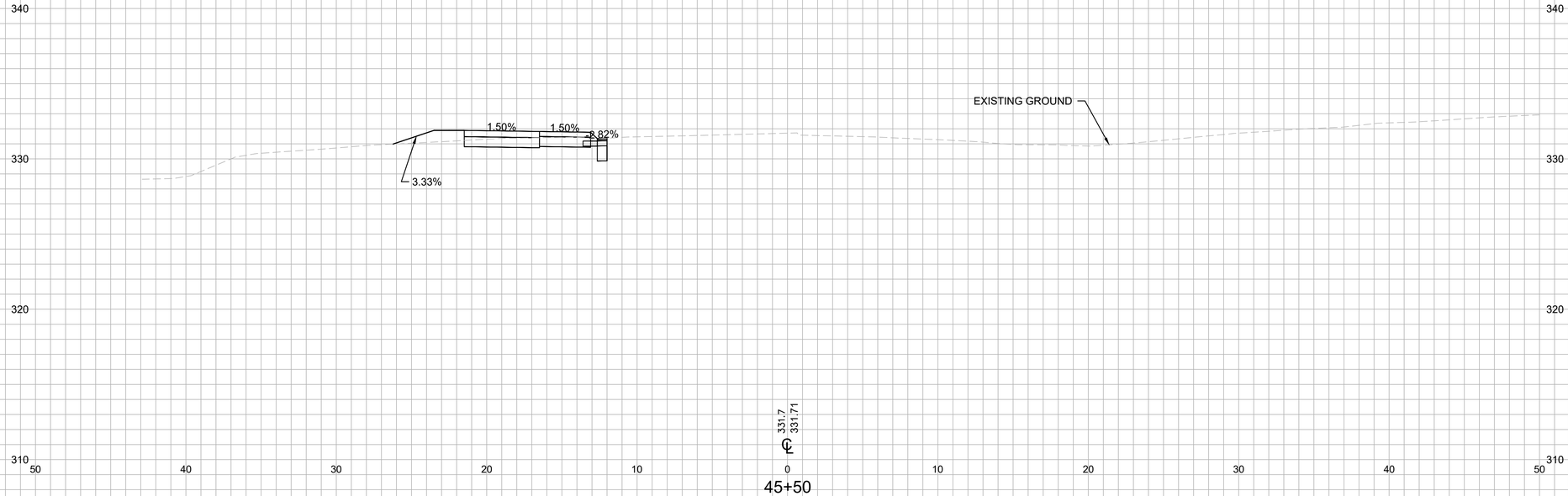
SIGNATURE/ BLOCK:

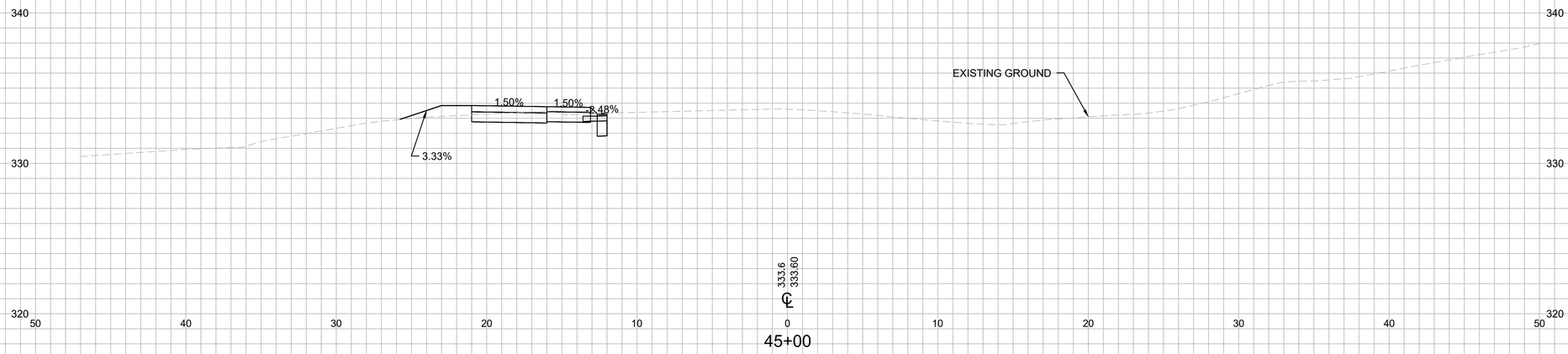
PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: SHRUB RD. CROSS SECTIONS - 32

PROJECT NO. **3401**
DRAWING NO. CX-132
SHEET NO.





REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: 3401-CXSC SERIES (CROSS SECTIONS).DWG

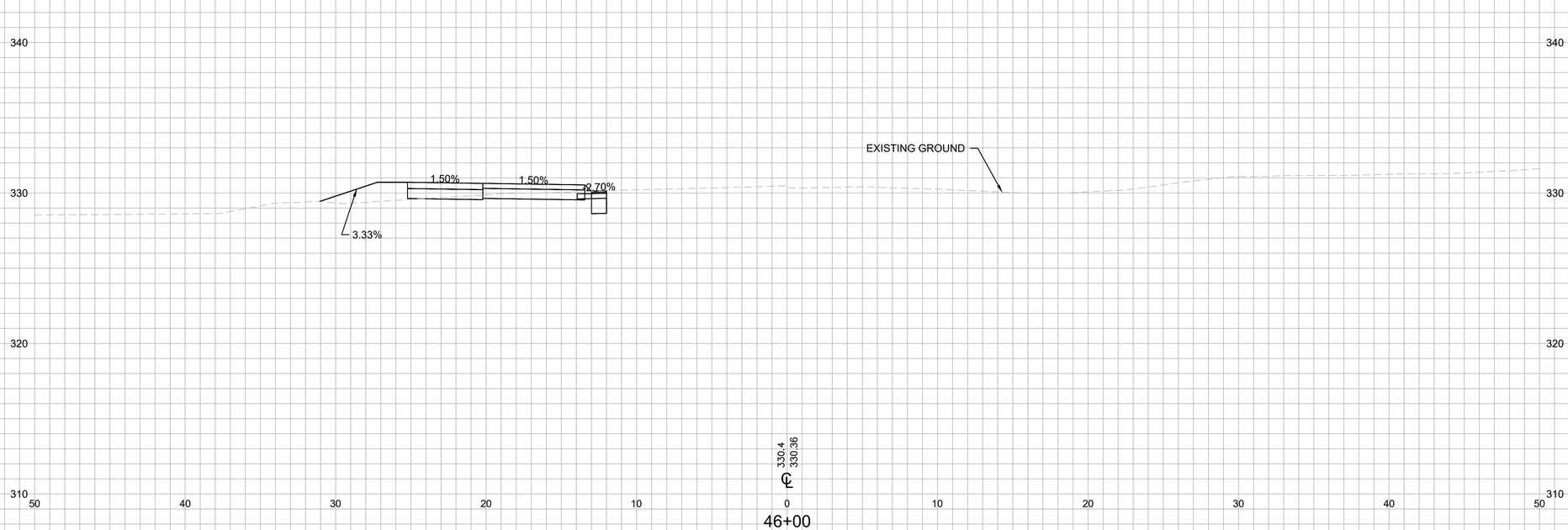
SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS
AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: SHRUB RD. CROSS SECTIONS - 33

PROJECT NO. **3401**
DRAWING NO. CX-133
SHEET NO.



REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

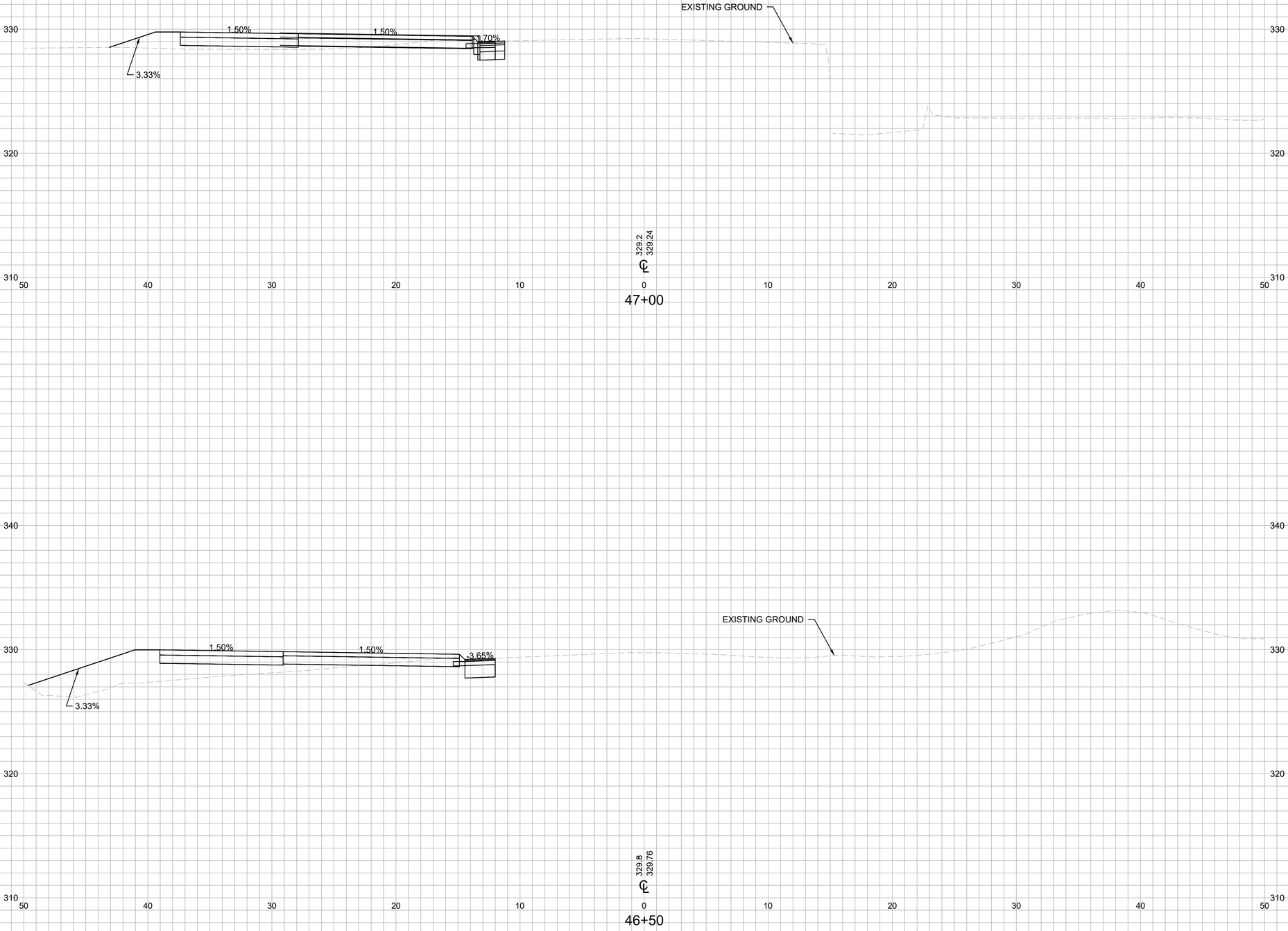
ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: 3401-CXSC SERIES (CROSS SECTIONS).DWG

SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS
AT SHRUB ROAD

TOWN: **BRISTOL, CT**
DRAWING TITLE: SHRUB RD. CROSS SECTIONS - 34

PROJECT NO. **3401**
DRAWING NO. CX-134
SHEET NO.



REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: 3401-CXSC SERIES (CROSS SECTIONS).DWG

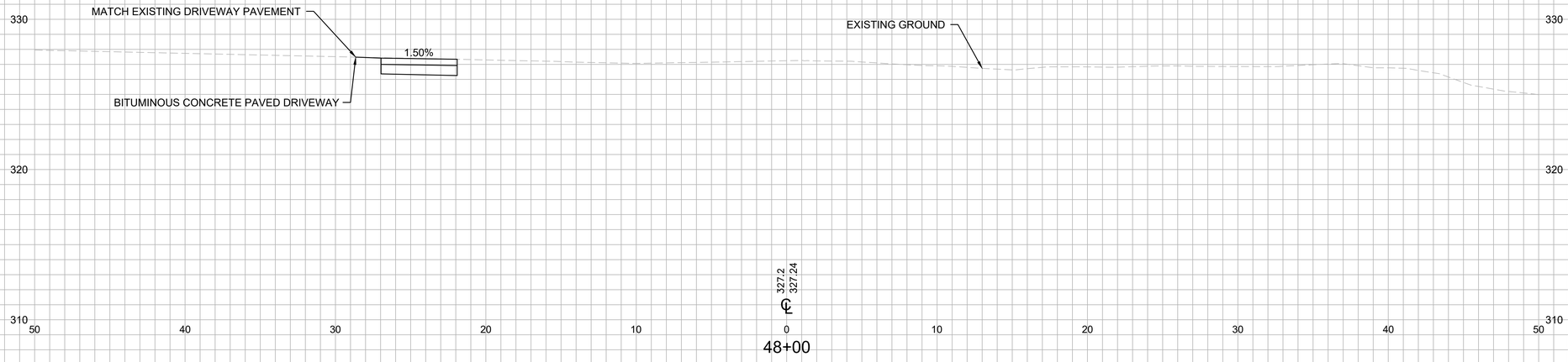
SIGNATURE/ BLOCK:

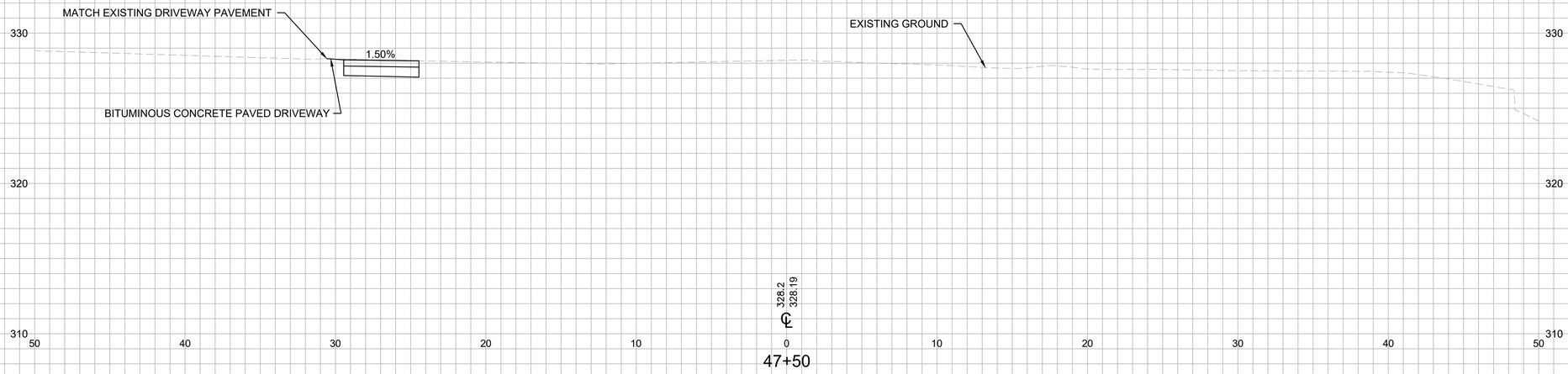
PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS
AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: SHRUB RD. CROSS SECTIONS - 35

PROJECT NO. **3401**
DRAWING NO. CX-135
SHEET NO.





REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457

FILENAME: 3401-CXSC SERIES (CROSS SECTIONS).DWG

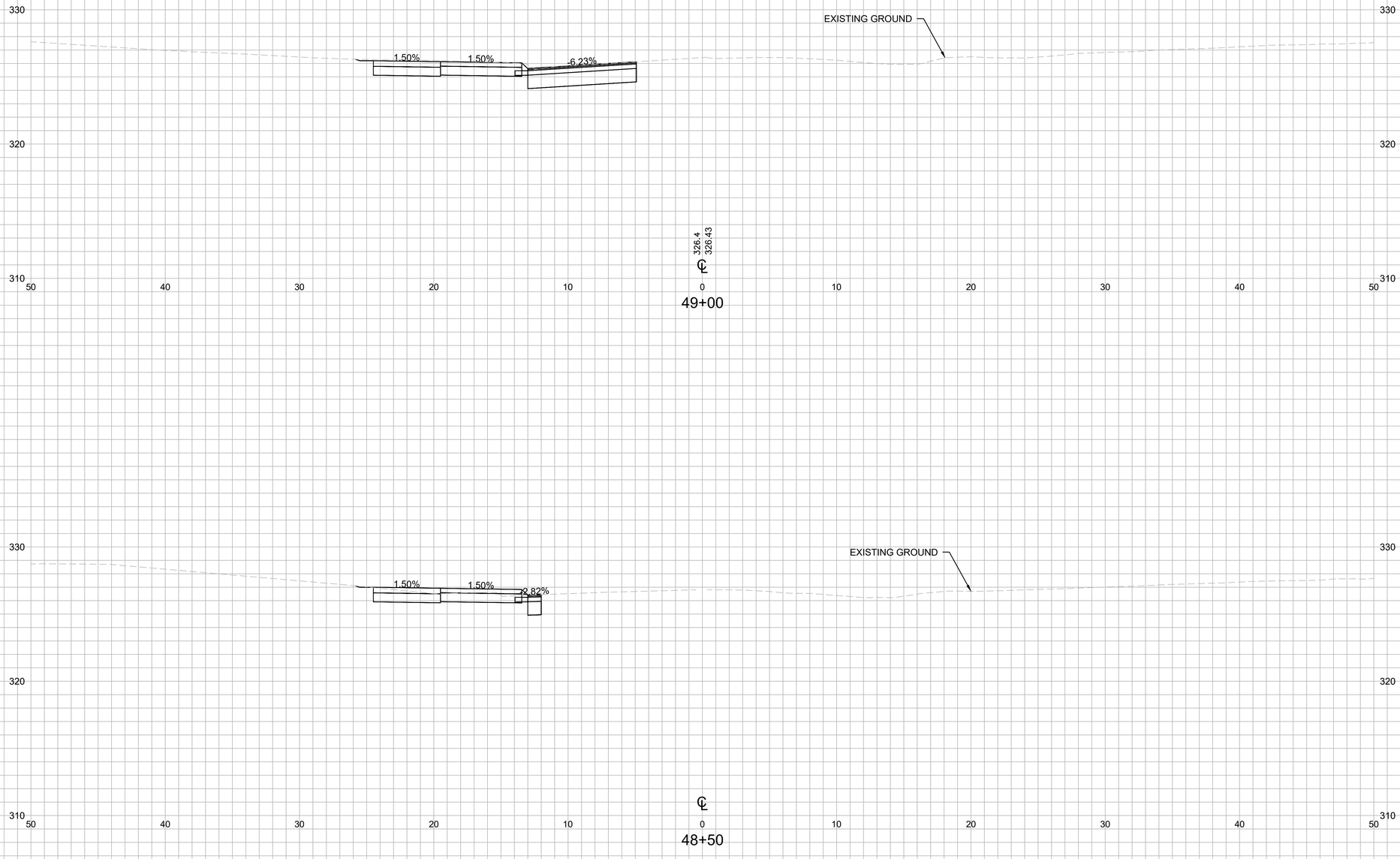
SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS
AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: SHRUB RD. CROSS SECTIONS - 36

PROJECT NO. **3401**
DRAWING NO. CX-136
SHEET NO.



REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: 3401-CXSC SERIES (CROSS SECTIONS).DWG

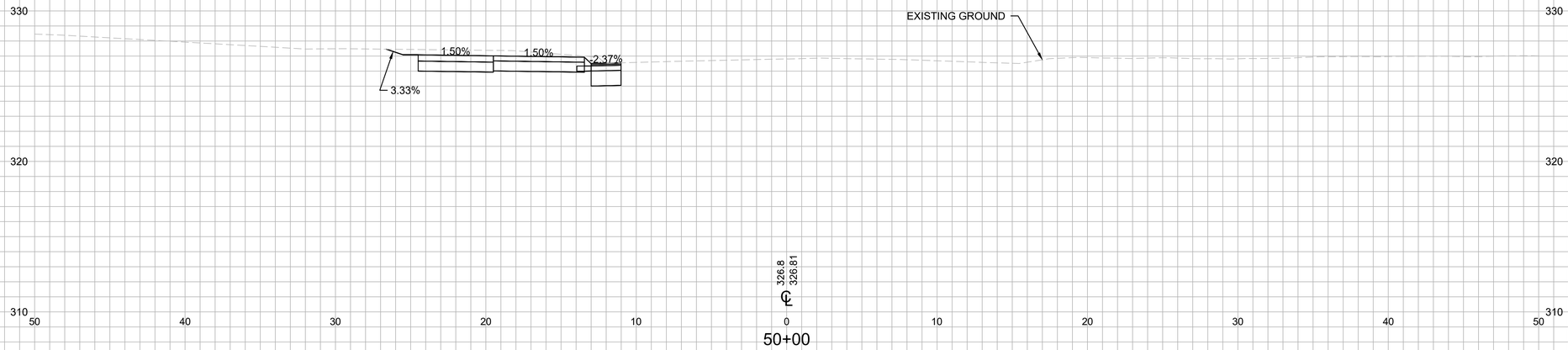
SIGNATURE/ BLOCK:

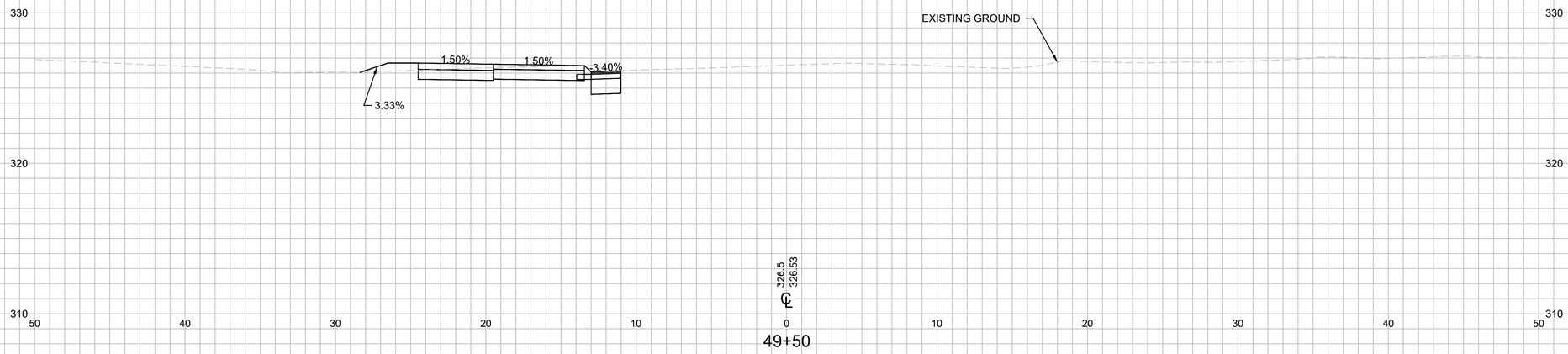
PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS
AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: SHRUB RD. CROSS SECTIONS - 37

PROJECT NO. **3401**
DRAWING NO. CX-137
SHEET NO.





REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: 3401-CXSC SERIES (CROSS SECTIONS).DWG

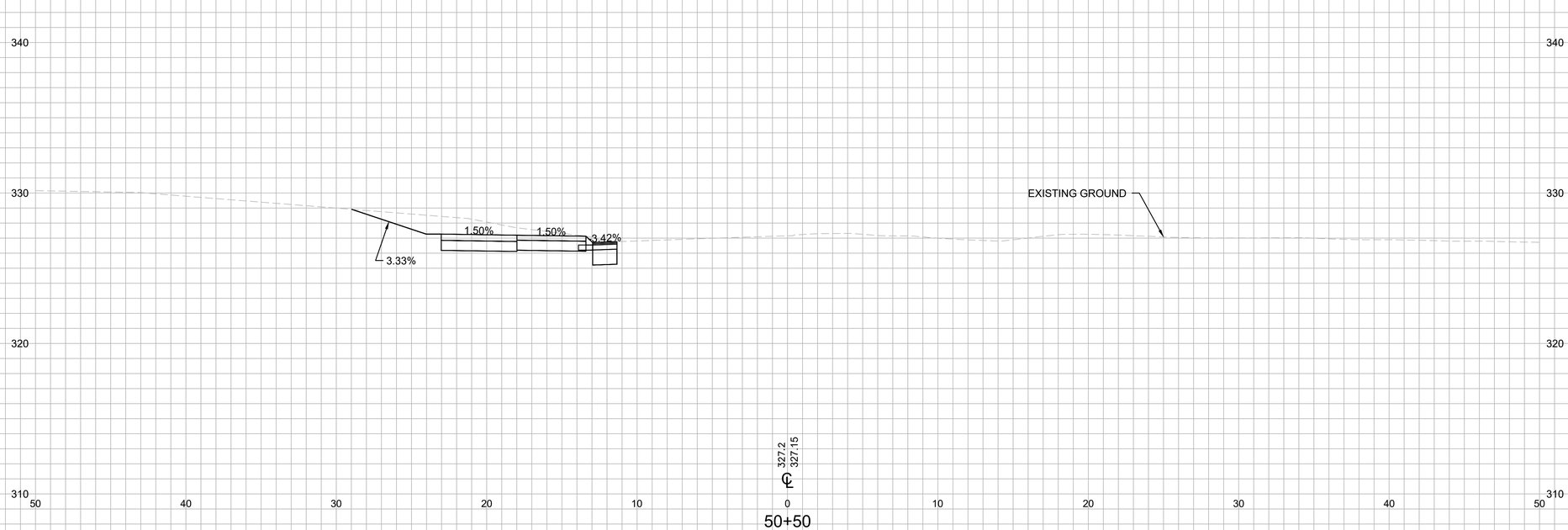
SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS
AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: SHRUB RD. CROSS SECTIONS - 38

PROJECT NO. **3401**
DRAWING NO. CX-138
SHEET NO.



REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457

FILENAME: 3401-CXSC SERIES (CROSS SECTIONS).DWG

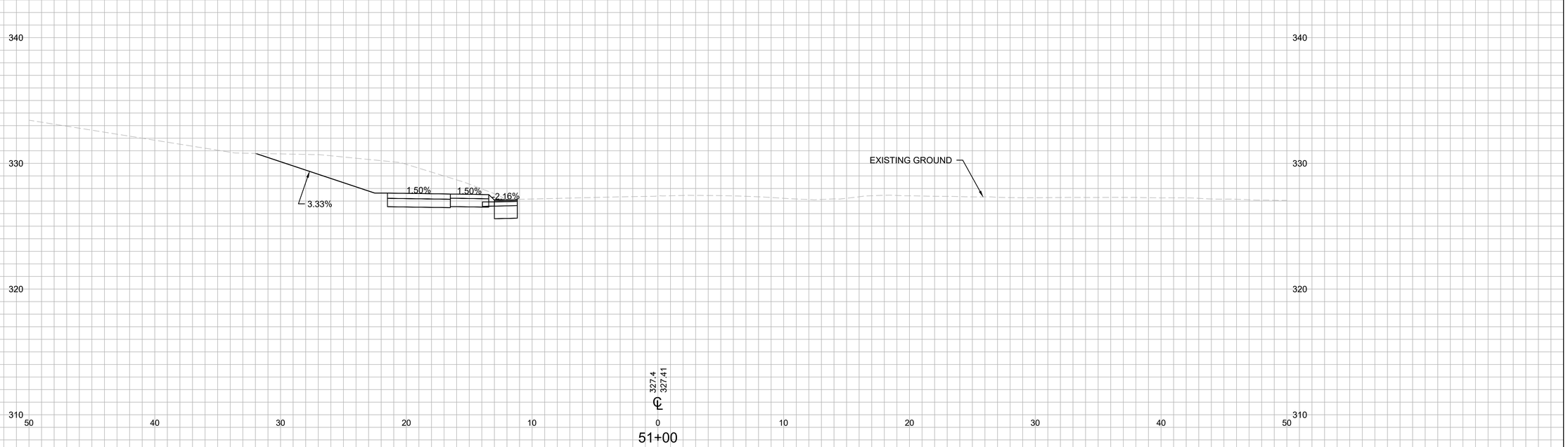
SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: SHRUB RD. CROSS SECTIONS - 39

PROJECT NO. **3401**
DRAWING NO. CX-139
SHEET NO.



REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: 3401-CXSC SERIES (CROSS SECTIONS).DWG

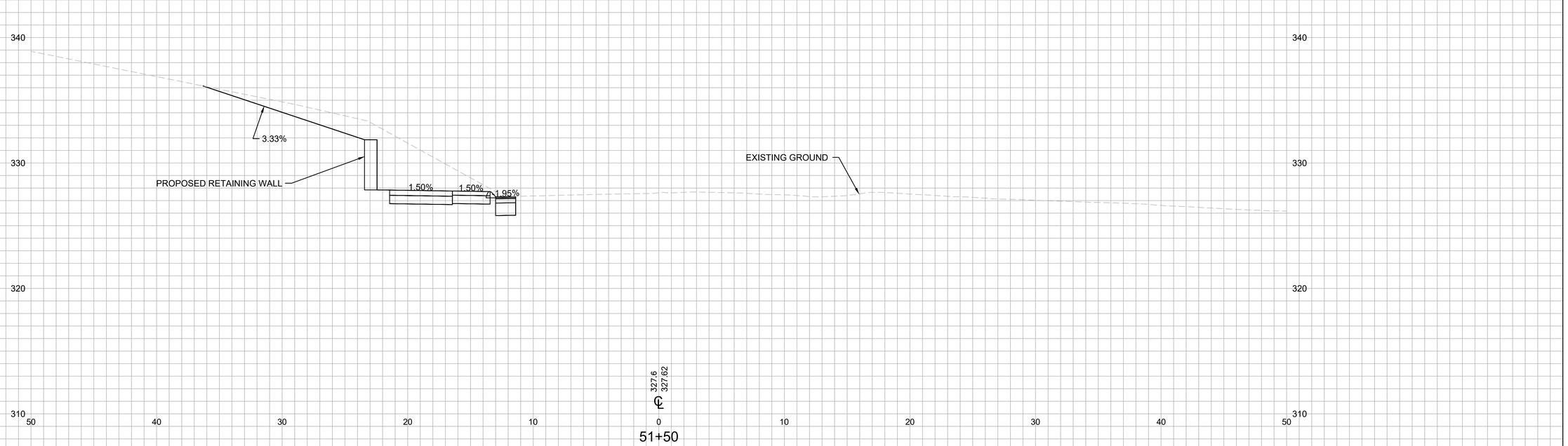
SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: SHRUB RD. CROSS SECTIONS - 40

PROJECT NO. **3401**
DRAWING NO. CX-140
SHEET NO.



REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: 3401-CXSC SERIES (CROSS SECTIONS).DWG

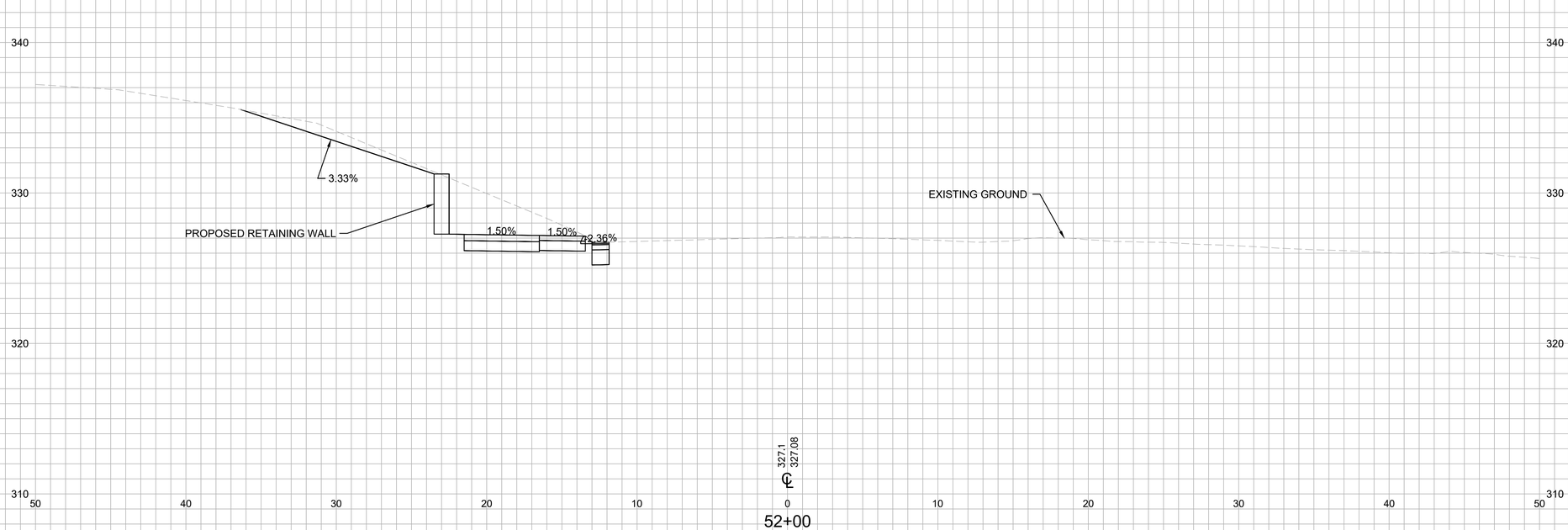
SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: SHRUB RD. CROSS SECTIONS - 41

PROJECT NO. **3401**
DRAWING NO. CX-141
SHEET NO.



REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457

FILENAME: 3401-CXSC SERIES (CROSS SECTIONS).DWG

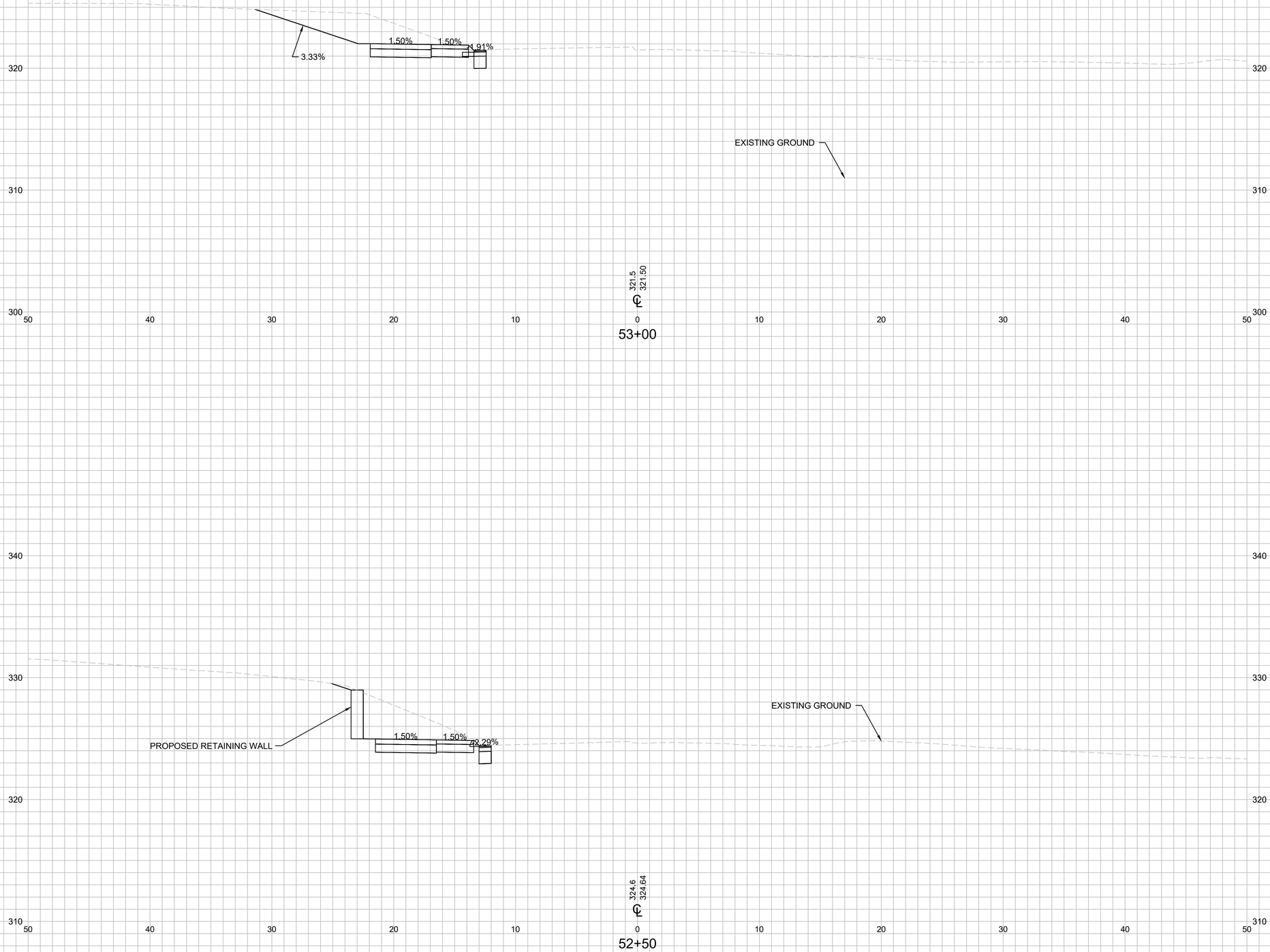
SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: SHRUB RD. CROSS SECTIONS - 42

PROJECT NO. **3401**
DRAWING NO. CX-142
SHEET NO.



REV.	DATE	REVISION DESCRIPTION	SHEET NO.	PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

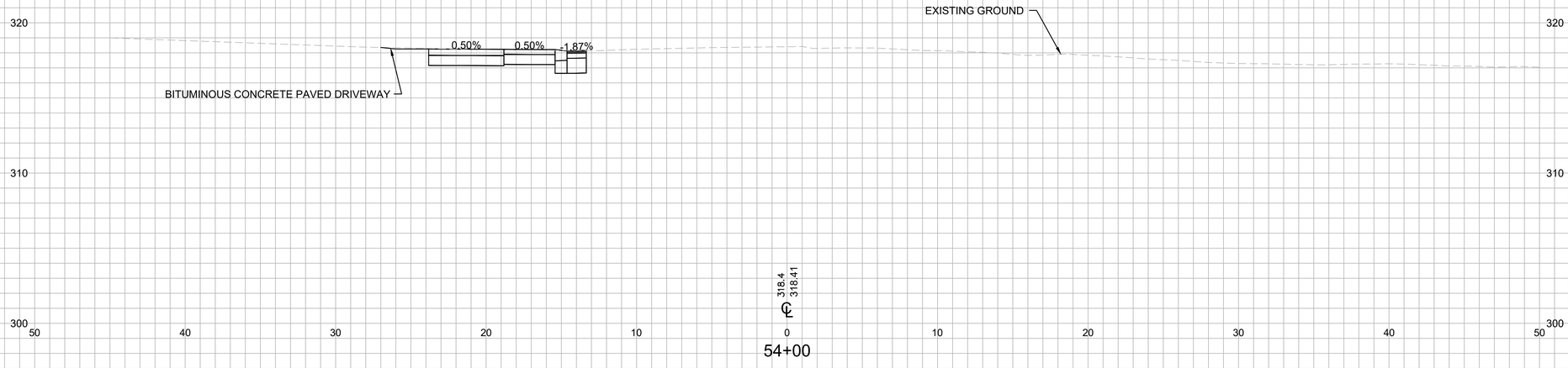
ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: 3401-CXSC SERIES (CROSS SECTIONS).DWG

SIGNATURE/ BLOCK:

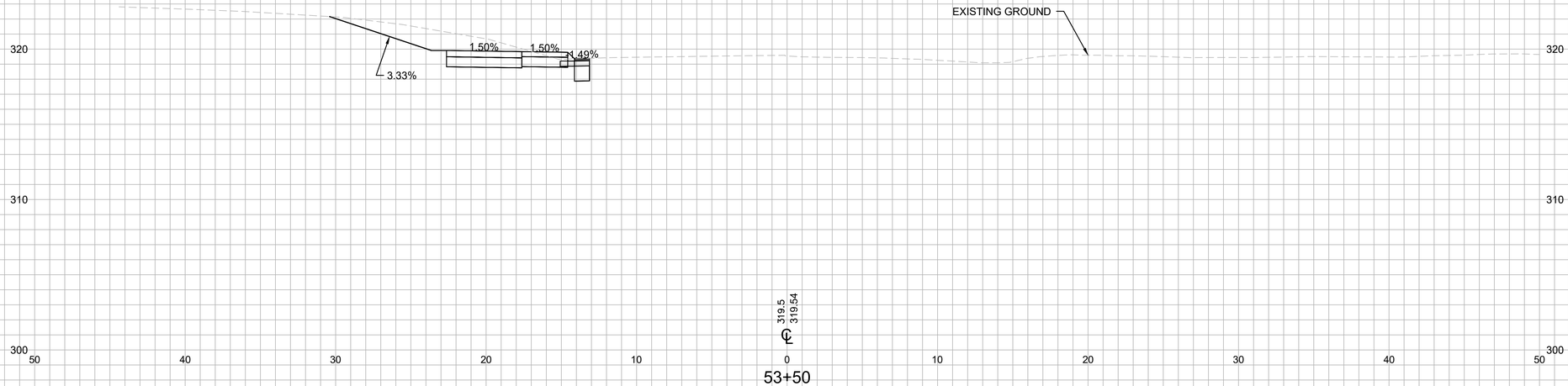
PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS AT SHRUB ROAD

TOWN: **BRISTOL, CT**
DRAWING TITLE: SHRUB RD. CROSS SECTIONS - 43

PROJECT NO. **3401**
DRAWING NO. CX-143
SHEET NO.



54+00



53+50

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: 3401-CXSC SERIES (CROSS SECTIONS).DWG

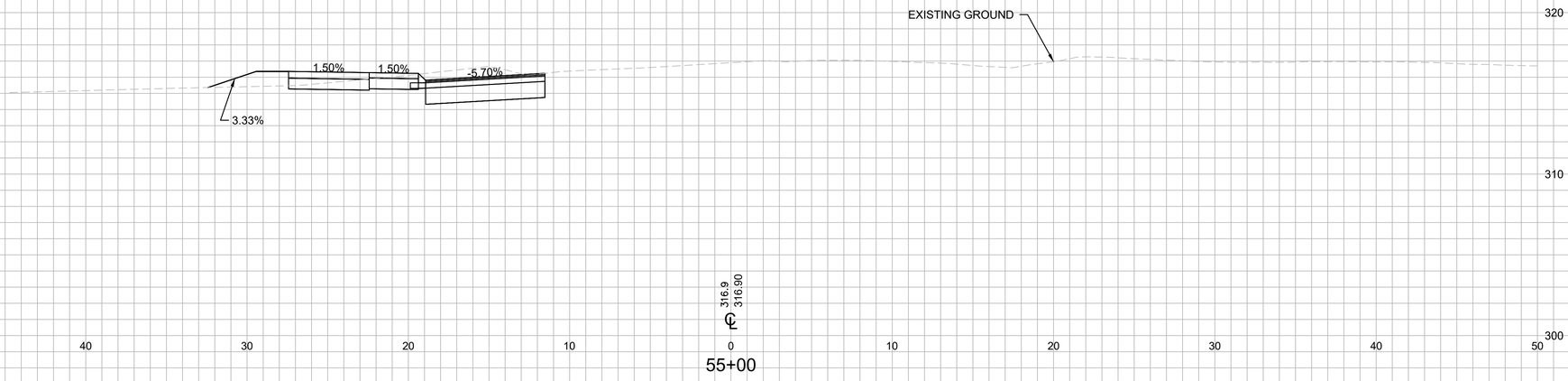
SIGNATURE/ BLOCK:

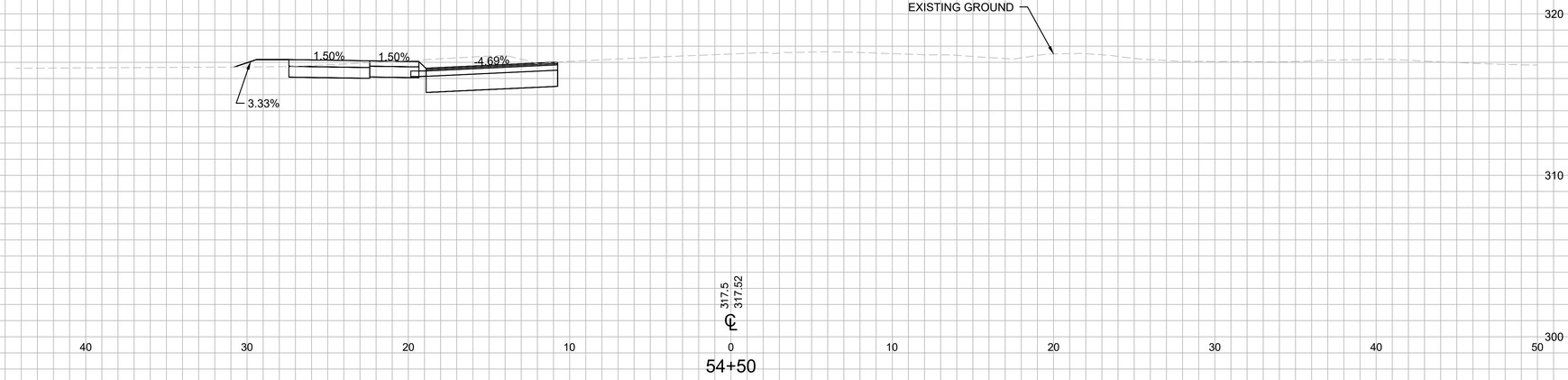
PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: SHRUB RD. CROSS SECTIONS - 44

PROJECT NO. **3401**
DRAWING NO. CX-144
SHEET NO.





REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: 3401-CXSC SERIES (CROSS SECTIONS).DWG

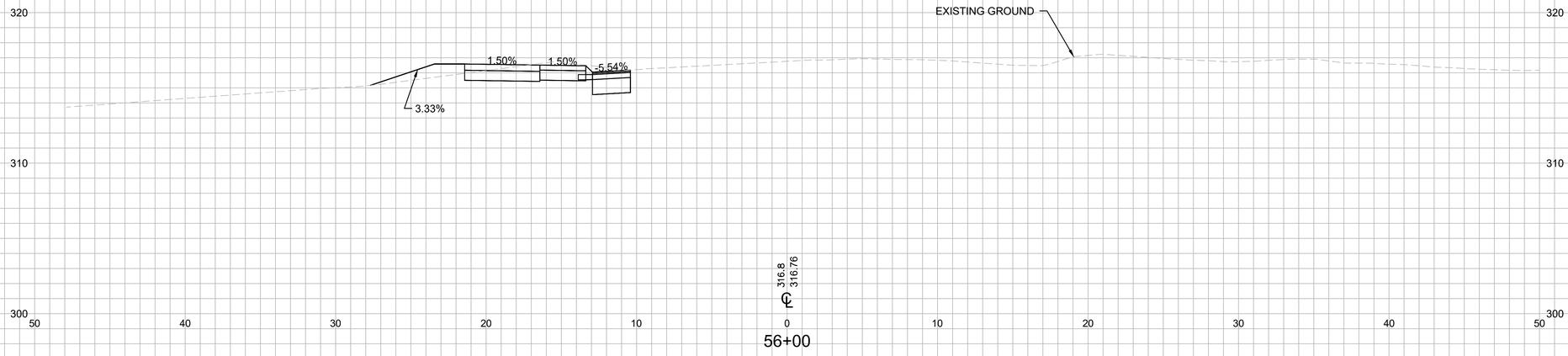
SIGNATURE/ BLOCK:

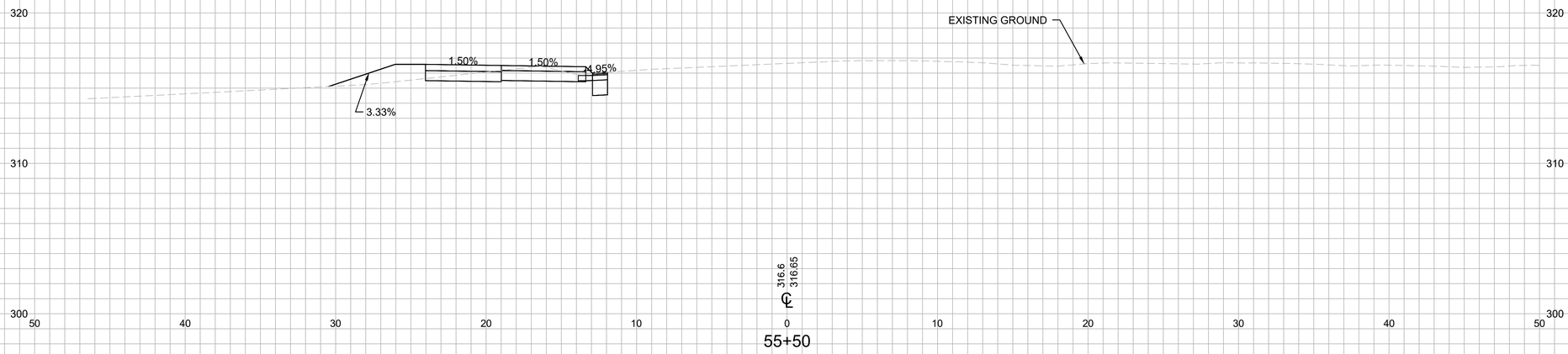
PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS
AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: SHRUB RD. CROSS SECTIONS - 45

PROJECT NO. **3401**
DRAWING NO. CX-145
SHEET NO.





REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: 3401-CXSC SERIES (CROSS SECTIONS).DWG

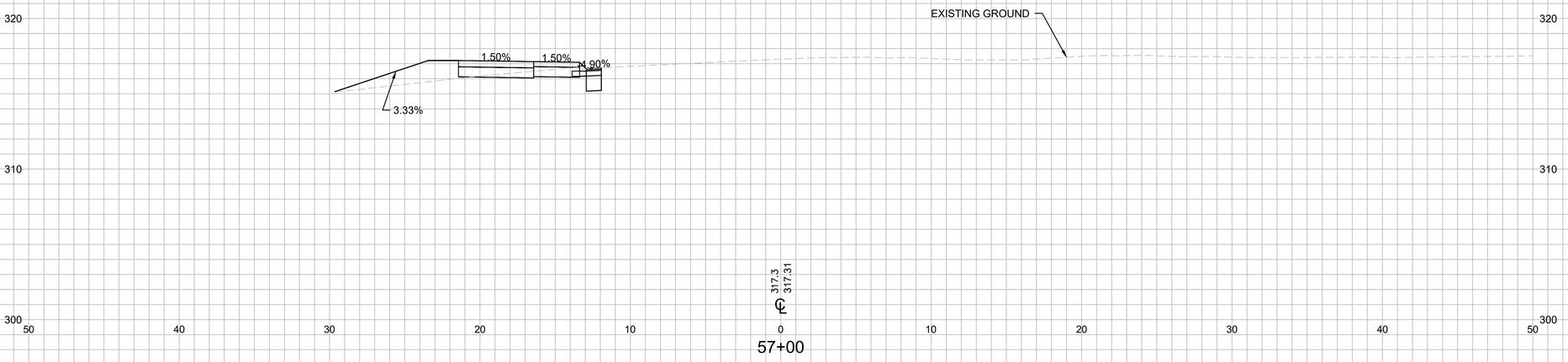
SIGNATURE/ BLOCK:

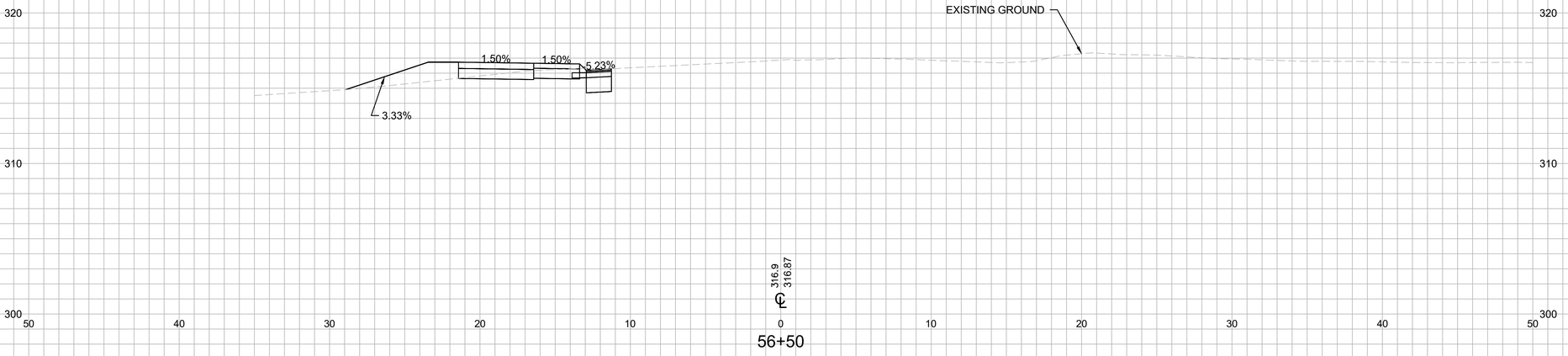
PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS
AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: SHRUB RD. CROSS SECTIONS - 46

PROJECT NO. **3401**
DRAWING NO. CX-146
SHEET NO.





REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: 3401-CXSC SERIES (CROSS SECTIONS).DWG

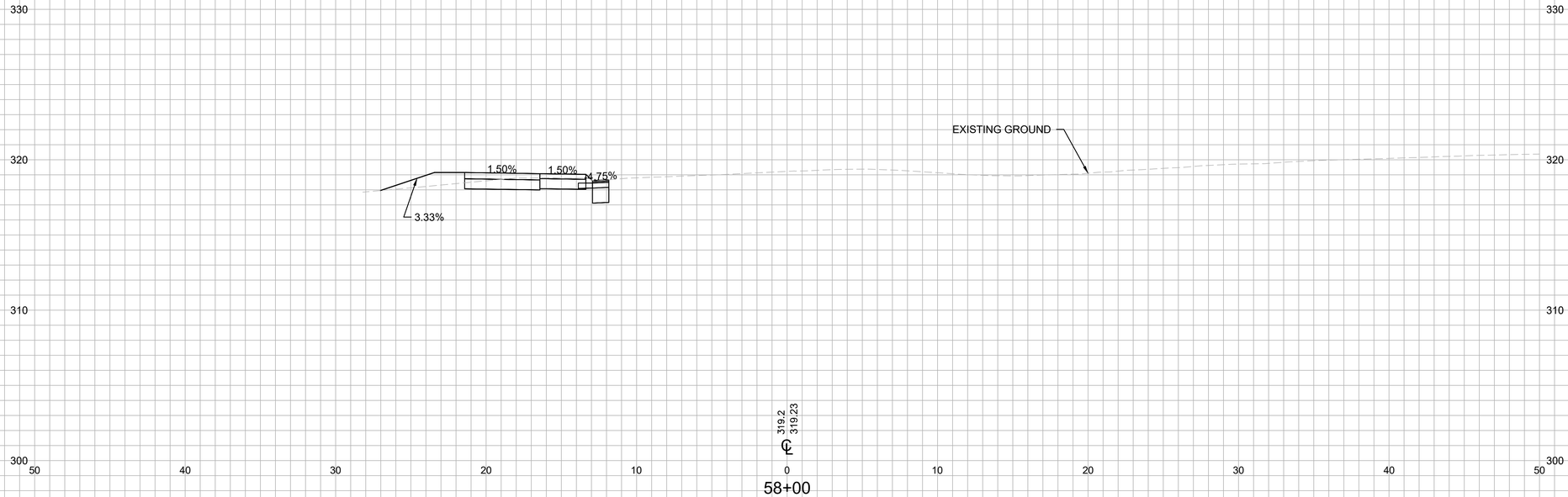
SIGNATURE/ BLOCK:

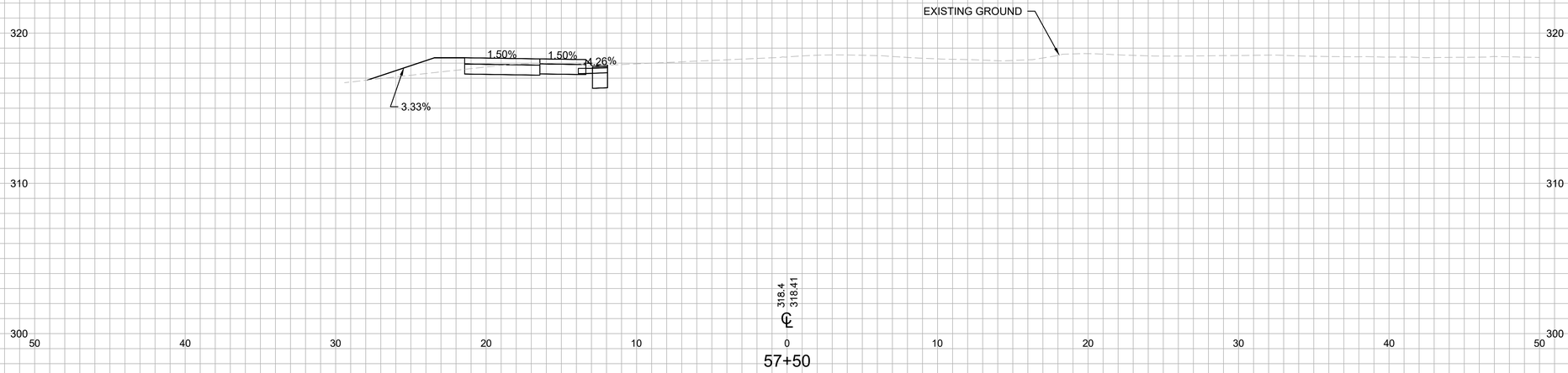
PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS
AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: SHRUB RD. CROSS SECTIONS - 47

PROJECT NO. **3401**
DRAWING NO. CX-147
SHEET NO.





REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: 3401-CXSC SERIES (CROSS SECTIONS).DWG

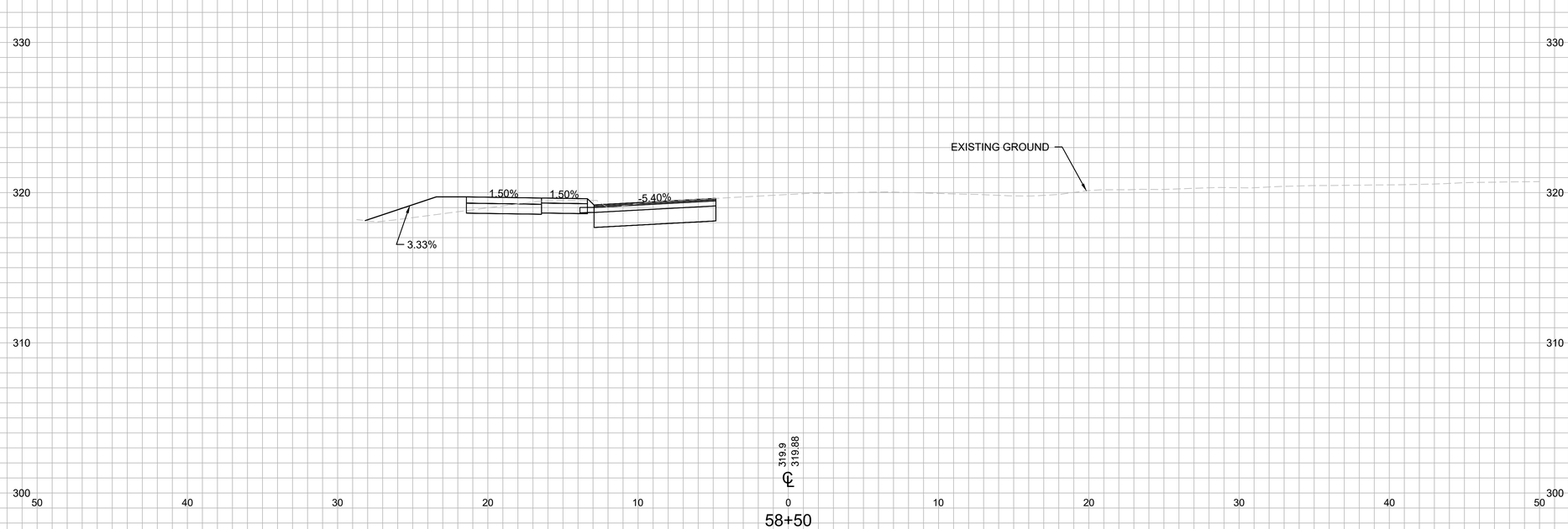
SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS
AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: SHRUB RD. CROSS SECTIONS - 48

PROJECT NO. **3401**
DRAWING NO. CX-148
SHEET NO.



REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: 3401-CXSC SERIES (CROSS SECTIONS).DWG

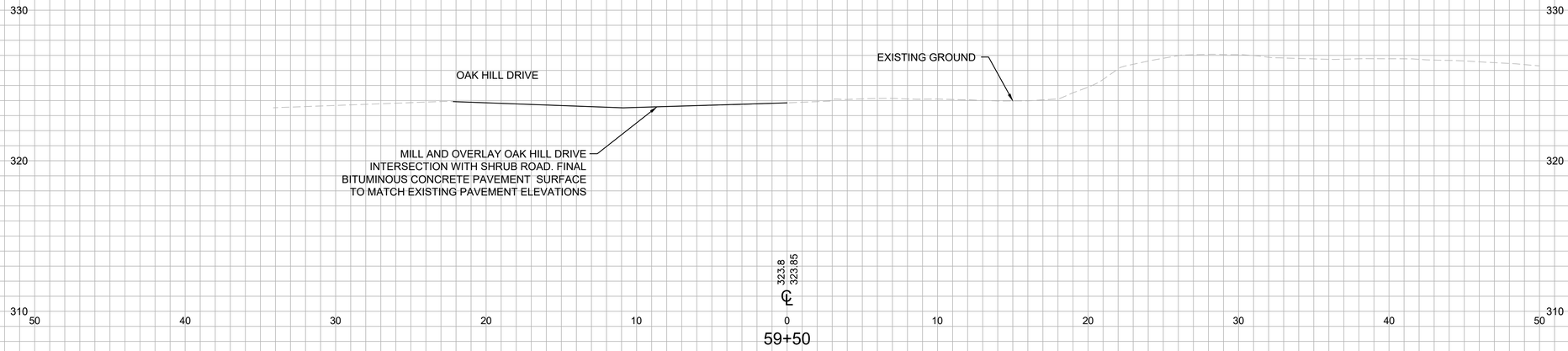
SIGNATURE/ BLOCK:

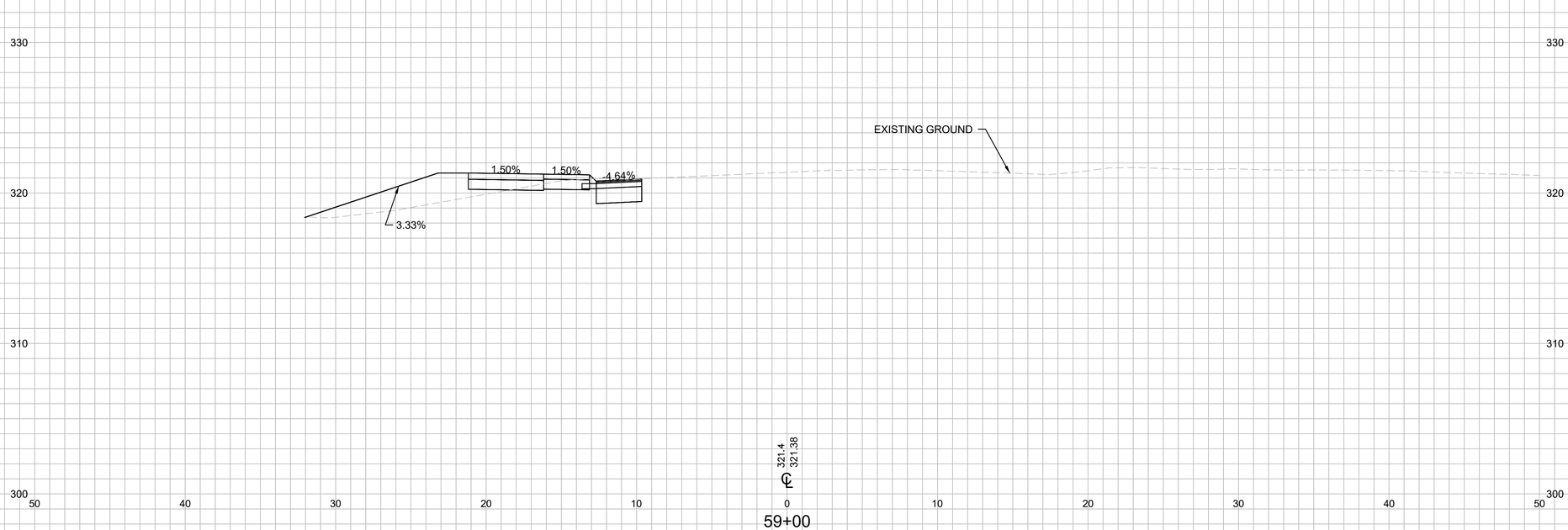
PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS
AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: SHRUB RD. CROSS SECTIONS - 49

PROJECT NO. **3401**
DRAWING NO. CX-149
SHEET NO.





REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

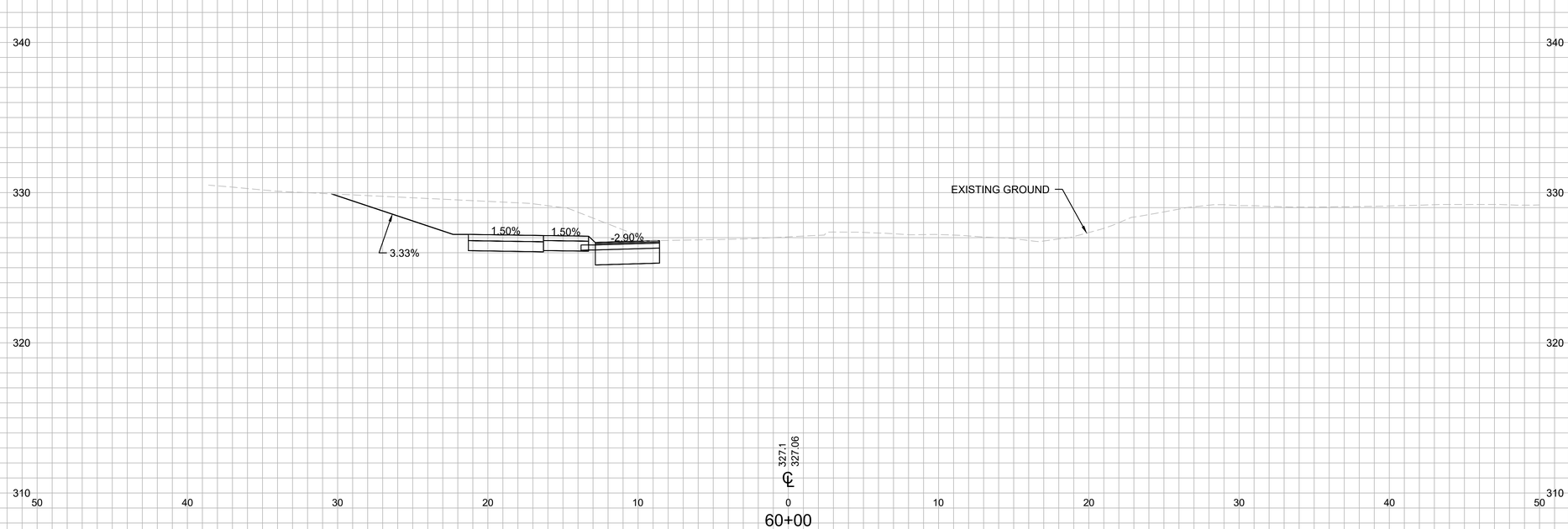
ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: 3401-CXSC SERIES (CROSS SECTIONS).DWG

SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS
AT SHRUB ROAD

TOWN: **BRISTOL, CT**
DRAWING TITLE: SHRUB RD. CROSS SECTIONS - 50

PROJECT NO. **3401**
DRAWING NO. CX-150
SHEET NO.



REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: 3401-CXSC SERIES (CROSS SECTIONS).DWG

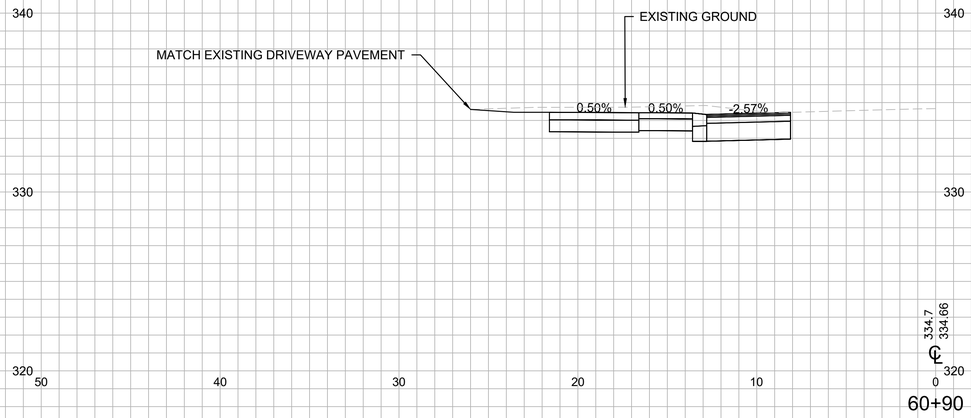
SIGNATURE/ BLOCK:

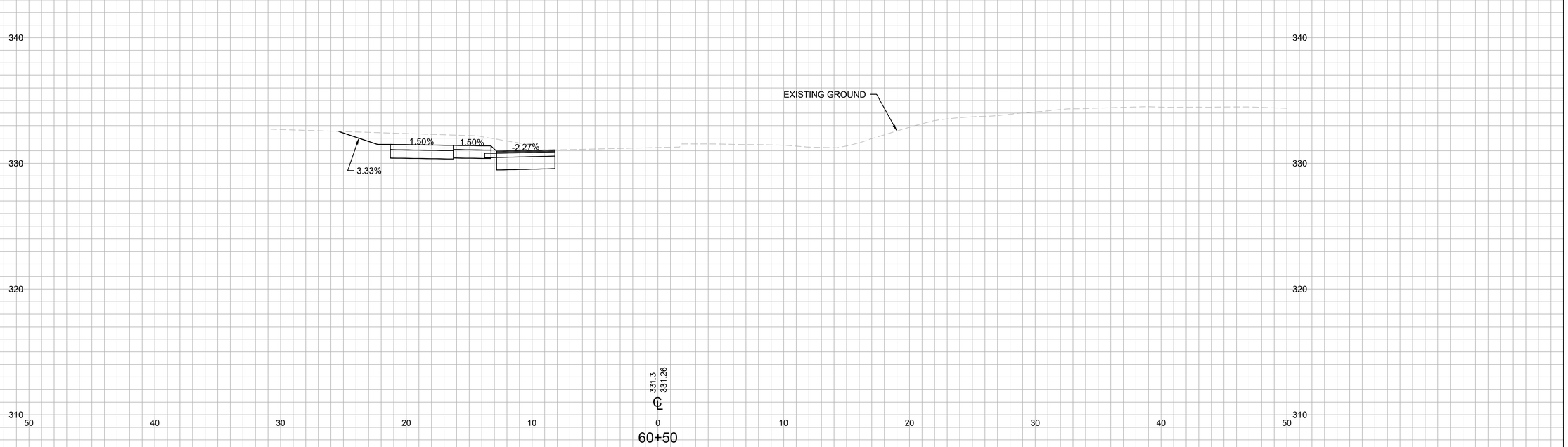
PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: SHRUB RD. CROSS SECTIONS - 51

PROJECT NO. **3401**
DRAWING NO. CX-151
SHEET NO.





REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: 3401-CXSC SERIES (CROSS SECTIONS).DWG

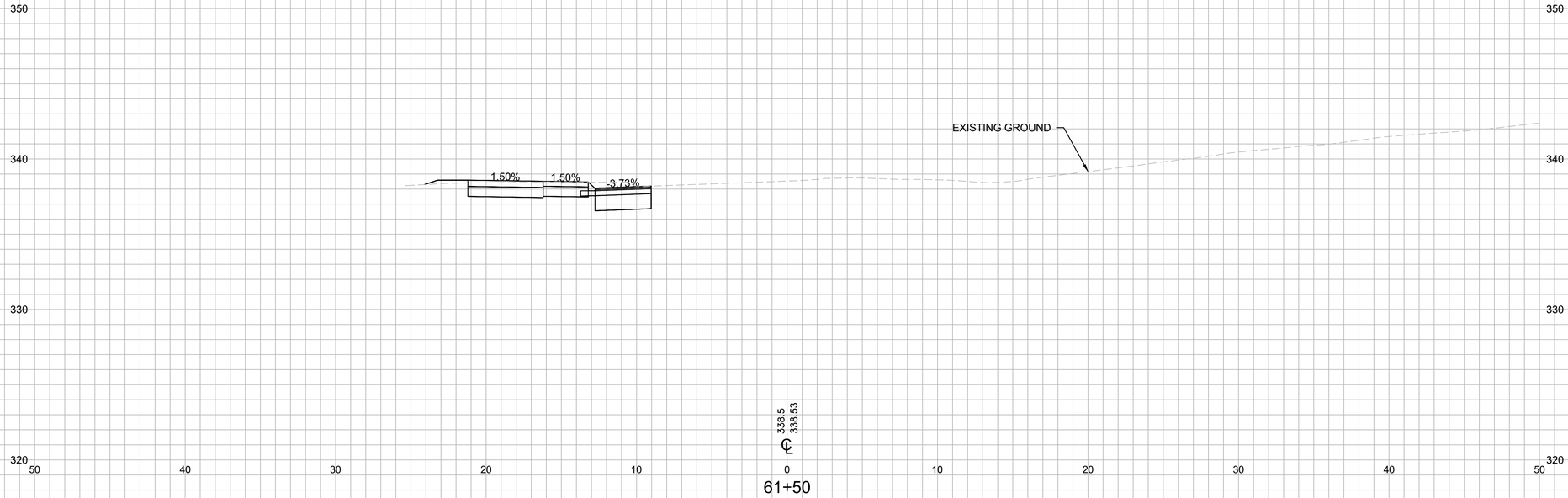
SIGNATURE/ BLOCK:

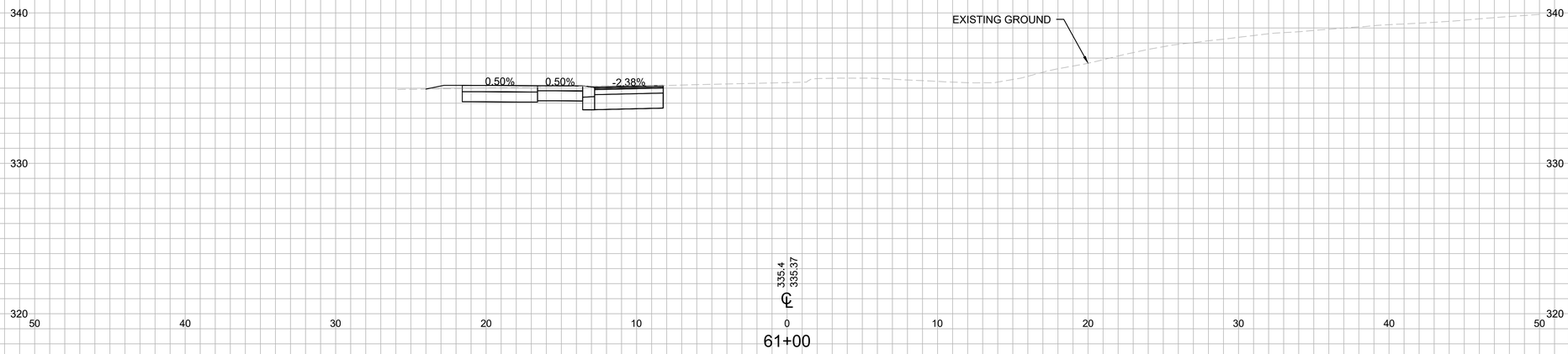
PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: SHRUB RD. CROSS SECTIONS - 52

PROJECT NO. **3401**
DRAWING NO. CX-152
SHEET NO.





REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: 3401-CXSC SERIES (CROSS SECTIONS).DWG

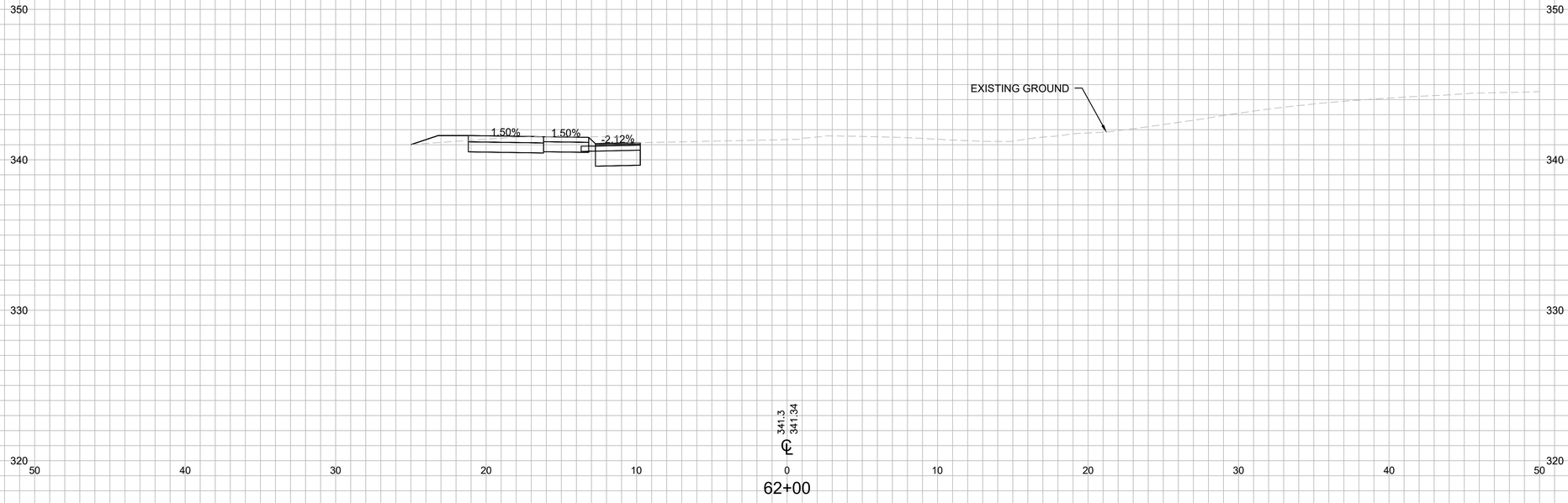
SIGNATURE/ BLOCK:

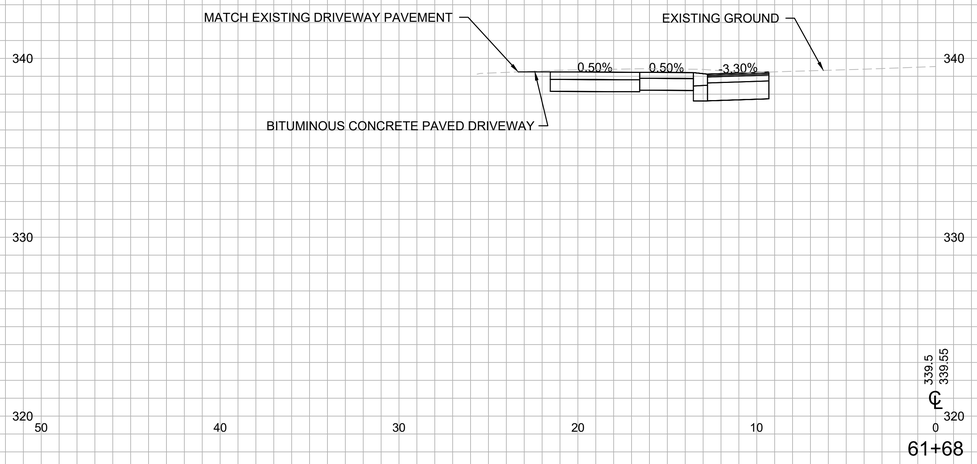
PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS
AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: SHRUB RD. CROSS SECTIONS - 53

PROJECT NO. **3401**
DRAWING NO. CX-153
SHEET NO.





REV.	DATE	REVISION DESCRIPTION	SHEET NO.	PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

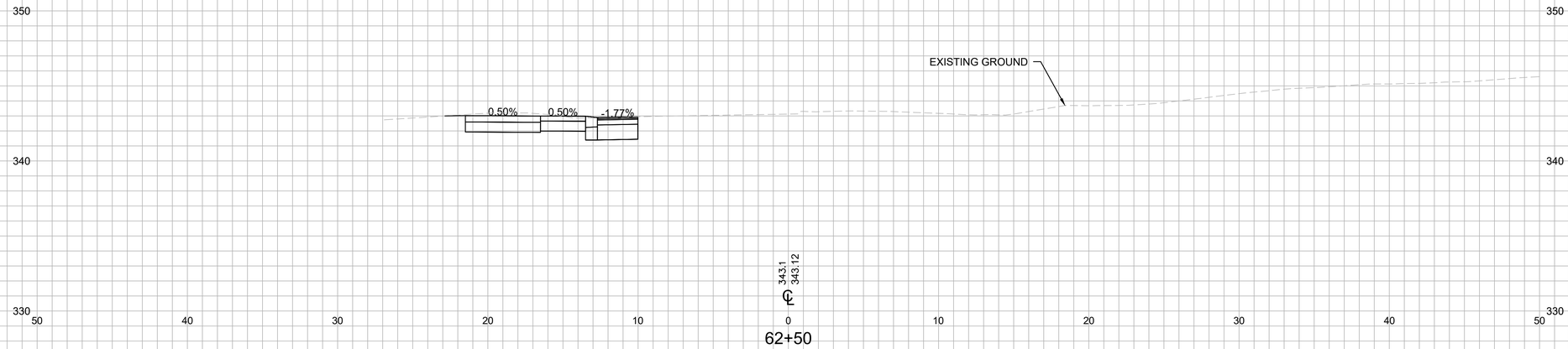
ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: 3401-CXSC SERIES (CROSS SECTIONS).DWG

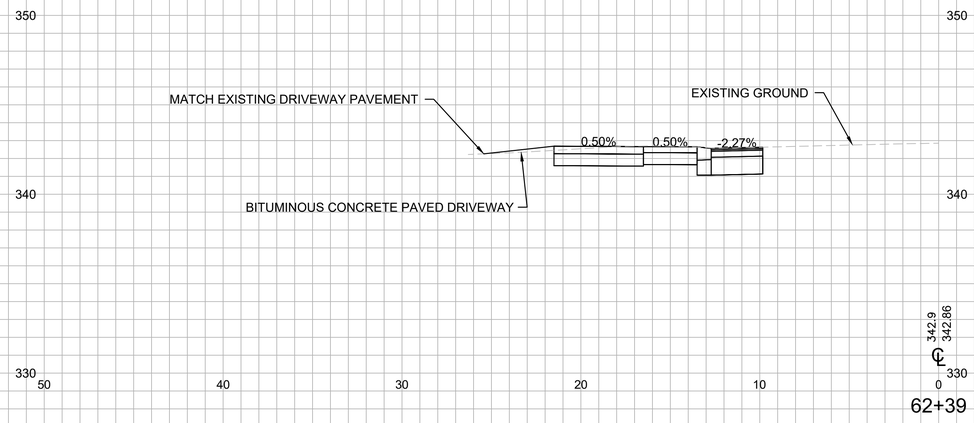
SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS
AT SHRUB ROAD

TOWN: **BRISTOL, CT**
DRAWING TITLE: SHRUB RD. CROSS SECTIONS - 54

PROJECT NO. **3401**
DRAWING NO. CX-154
SHEET NO.





REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: 3401-CXSC SERIES (CROSS SECTIONS).DWG

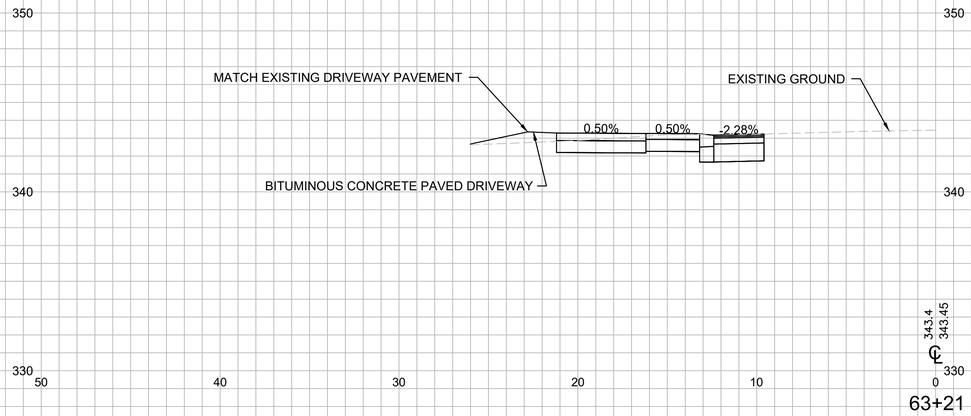
SIGNATURE/ BLOCK:

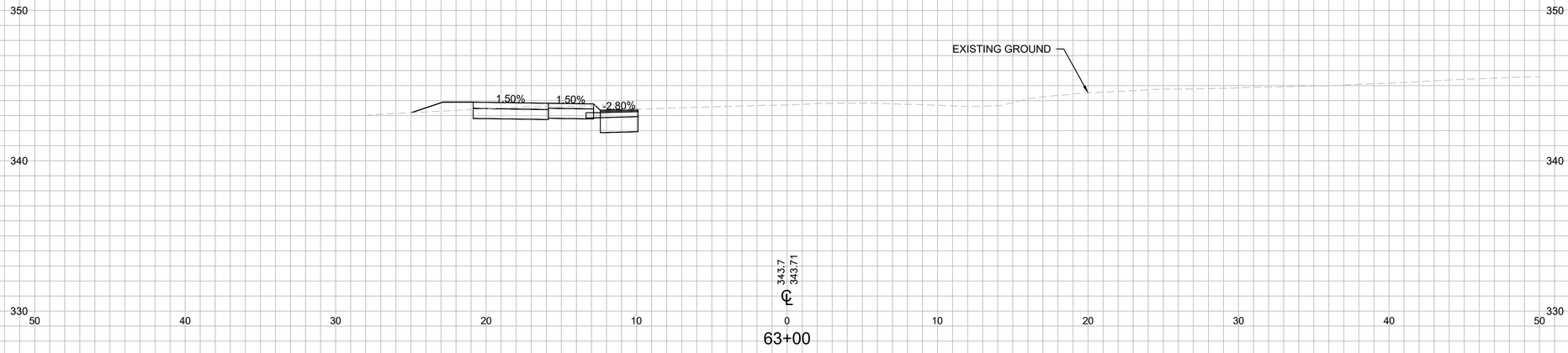
PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS
AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: SHRUB RD. CROSS SECTIONS - 55

PROJECT NO. **3401**
DRAWING NO. CX-155
SHEET NO.





REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: 3401-CXSC SERIES (CROSS SECTIONS).DWG

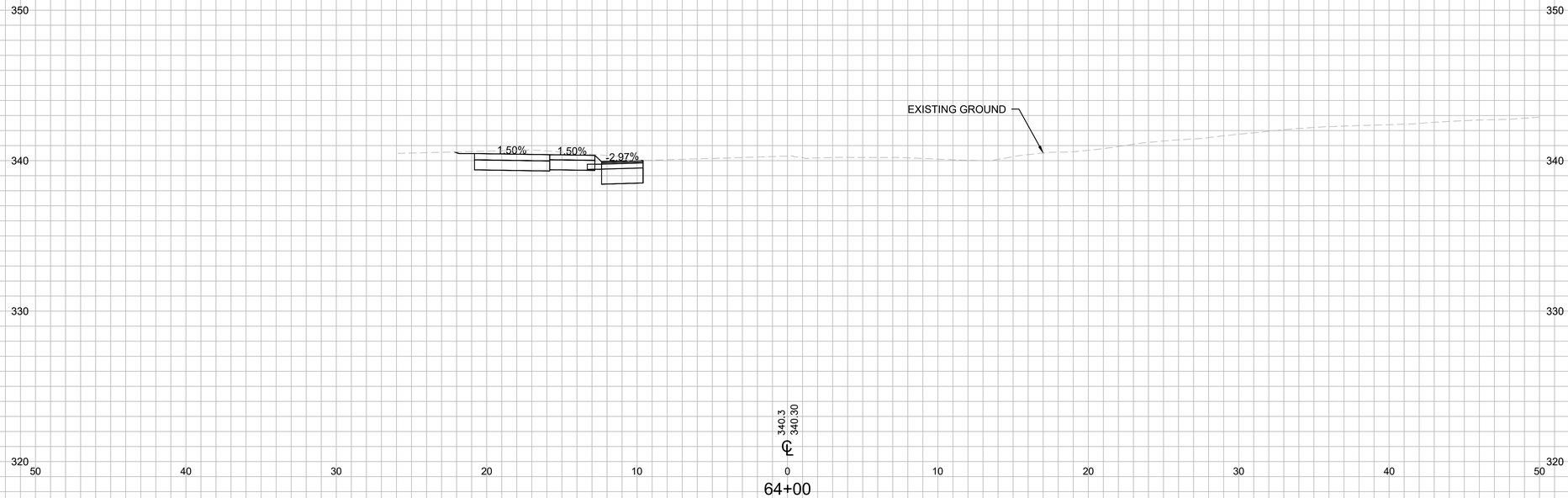
SIGNATURE/ BLOCK:

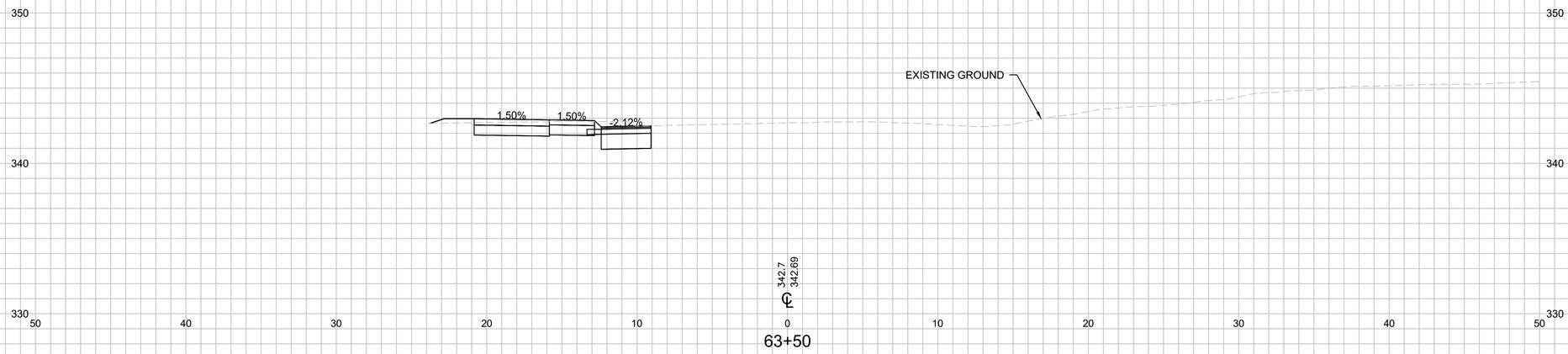
PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS
AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: SHRUB RD. CROSS SECTIONS - 56

PROJECT NO. **3401**
DRAWING NO. CX-156
SHEET NO.





REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: 3401-CXSC SERIES (CROSS SECTIONS).DWG

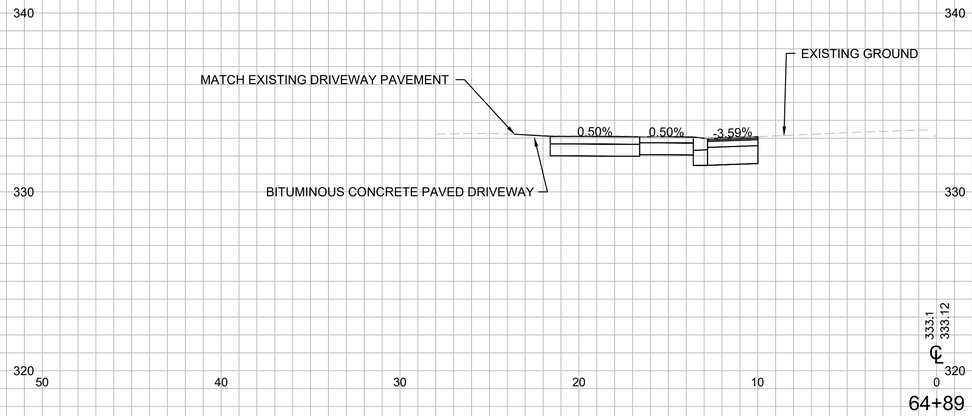
SIGNATURE/ BLOCK:

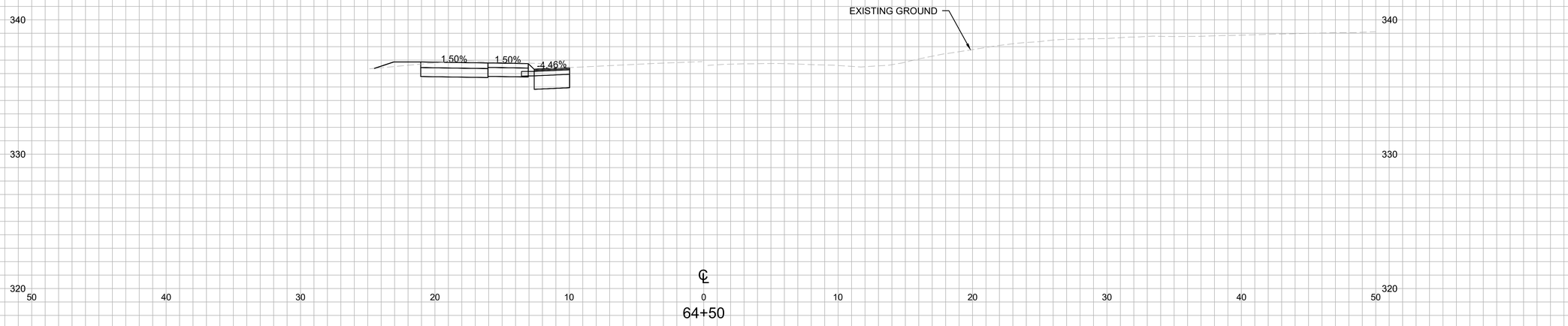
PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS
AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: SHRUB RD. CROSS SECTIONS - 57

PROJECT NO. **3401**
DRAWING NO. CX-157
SHEET NO.





REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: 3401-CXSC SERIES (CROSS SECTIONS).DWG

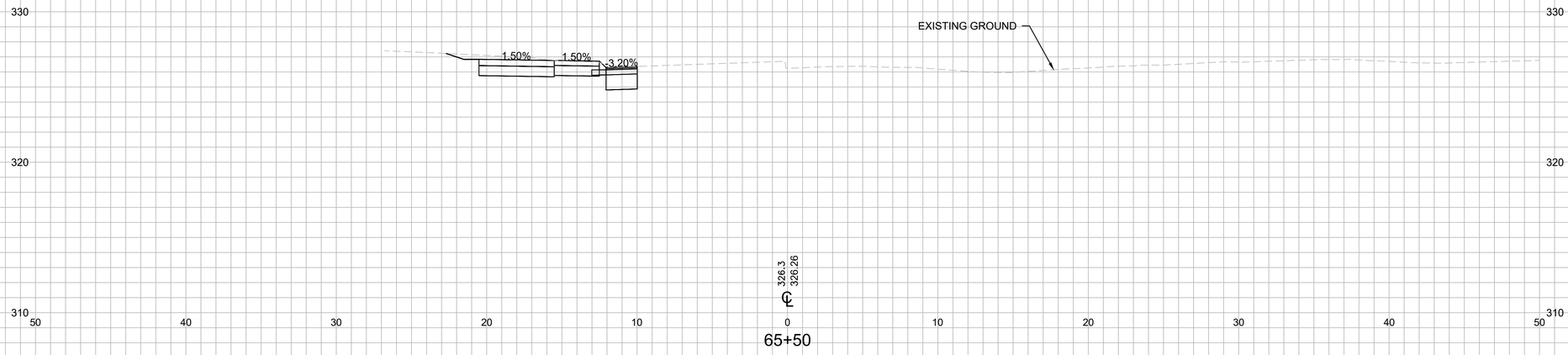
SIGNATURE/ BLOCK:

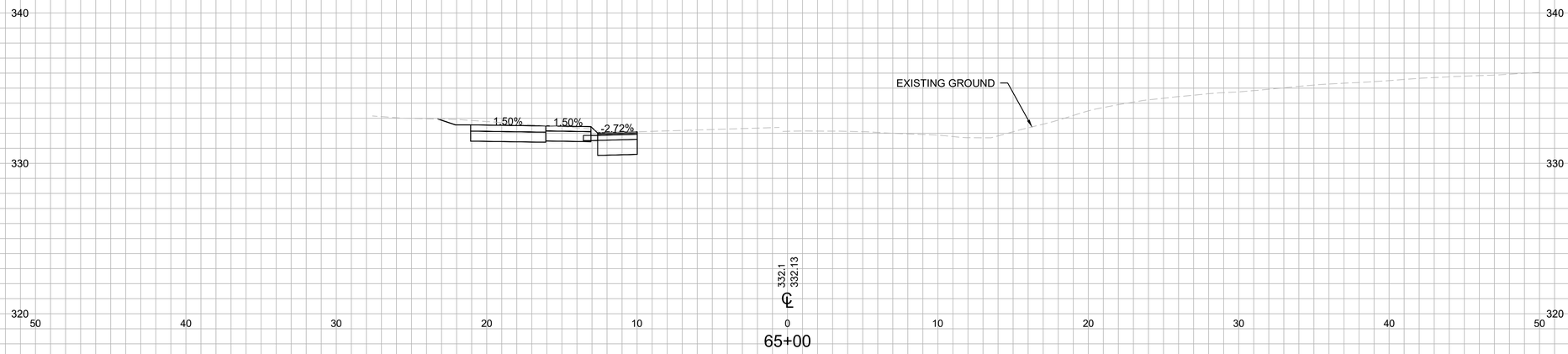
PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS
AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: SHRUB RD. CROSS SECTIONS - 58

PROJECT NO. **3401**
DRAWING NO. CX-158
SHEET NO.





REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: 3401-CXSC SERIES (CROSS SECTIONS).DWG

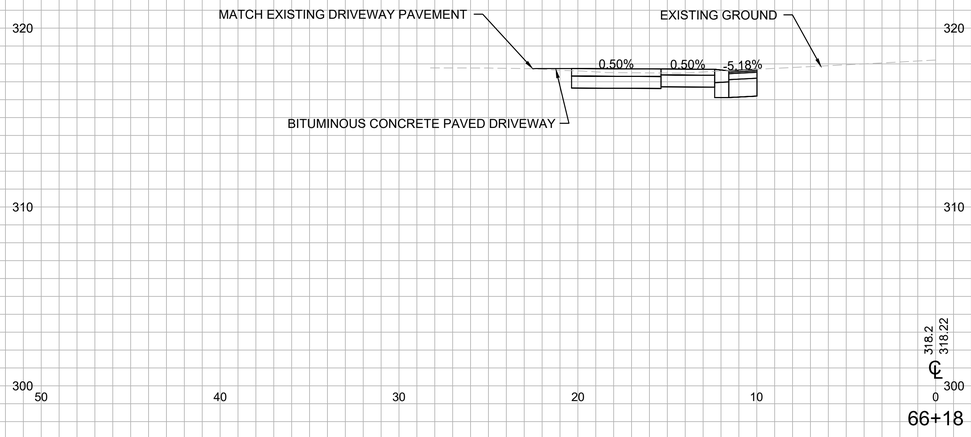
SIGNATURE/ BLOCK:

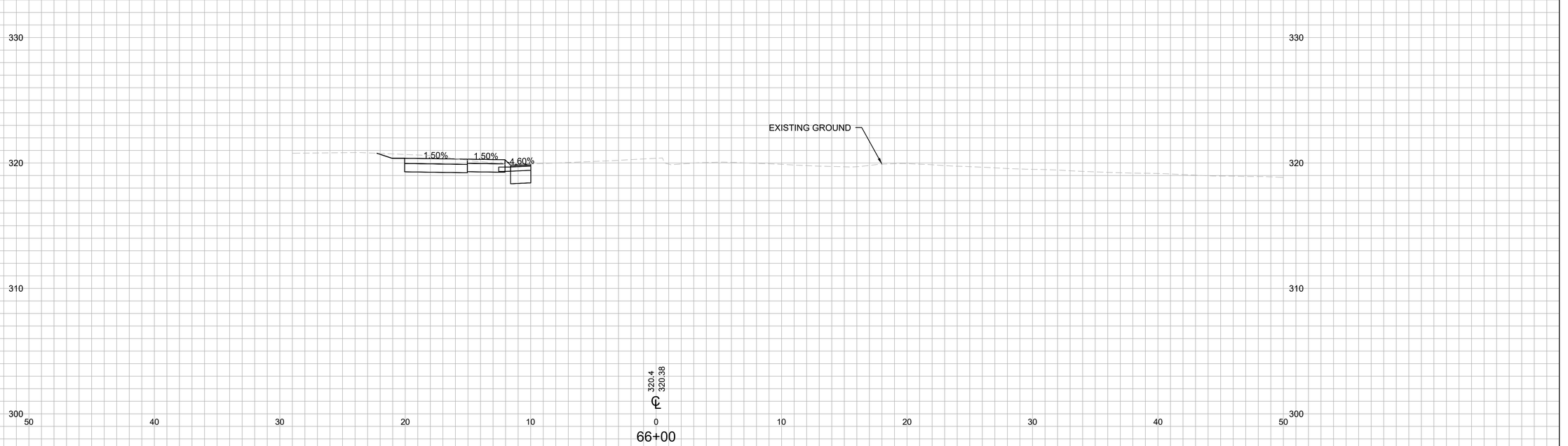
PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS
AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: SHRUB RD. CROSS SECTIONS - 59

PROJECT NO. **3401**
DRAWING NO. CX-159
SHEET NO.





REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: 3401-CXSC SERIES (CROSS SECTIONS).DWG

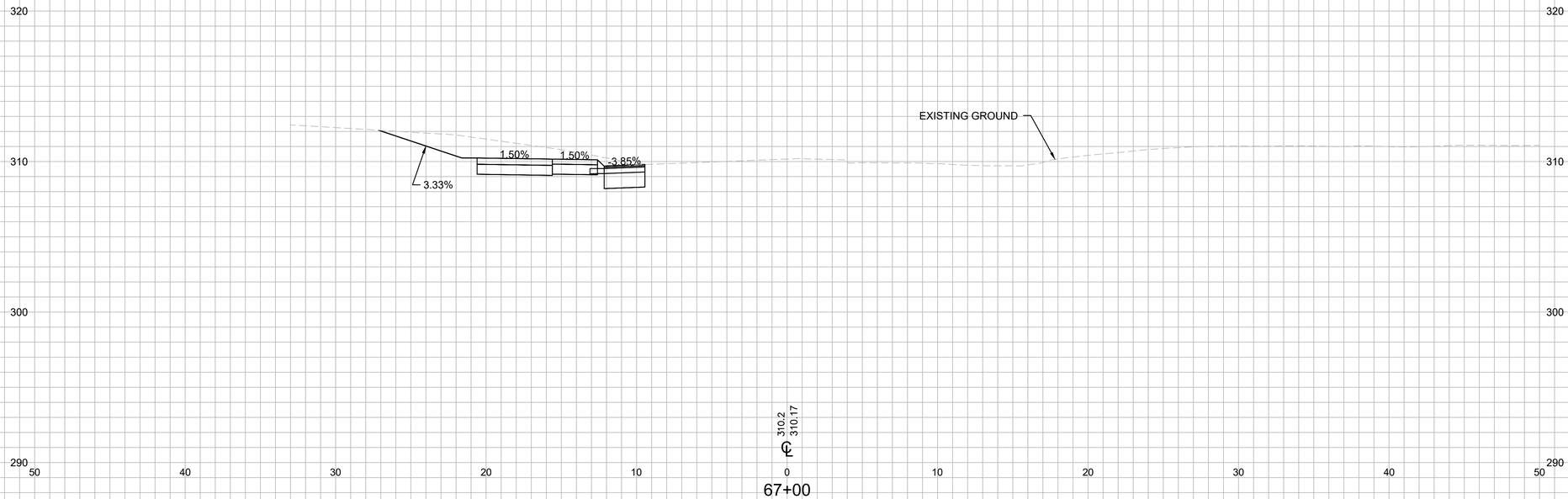
SIGNATURE/ BLOCK:

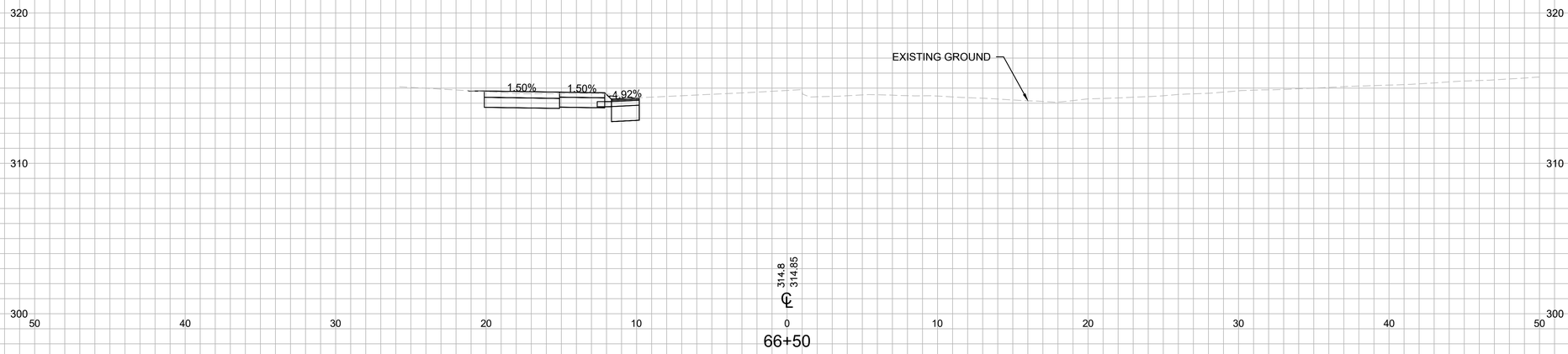
PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: SHRUB RD. CROSS SECTIONS - 60

PROJECT NO. **3401**
DRAWING NO. CX-160
SHEET NO.





REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: 3401-CXSC SERIES (CROSS SECTIONS).DWG

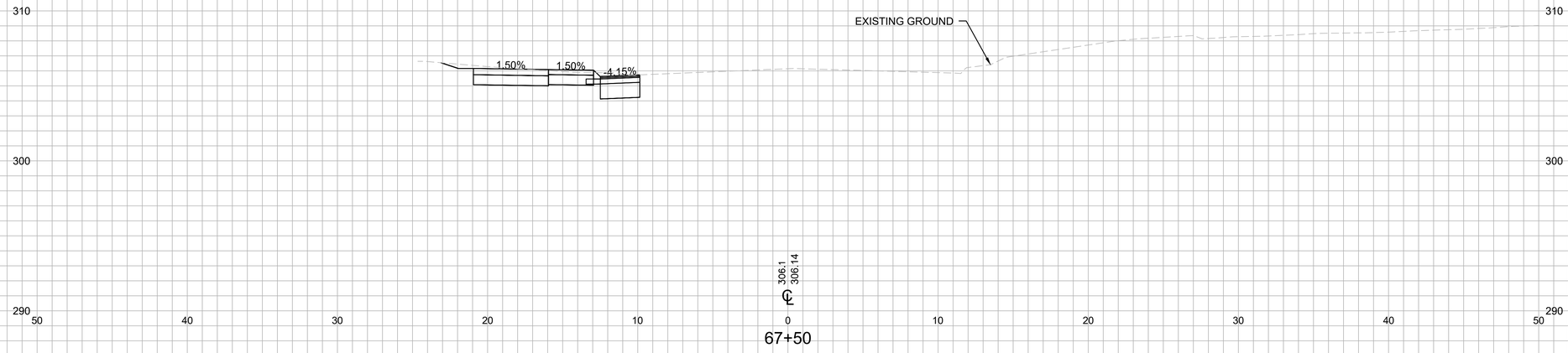
SIGNATURE/ BLOCK:

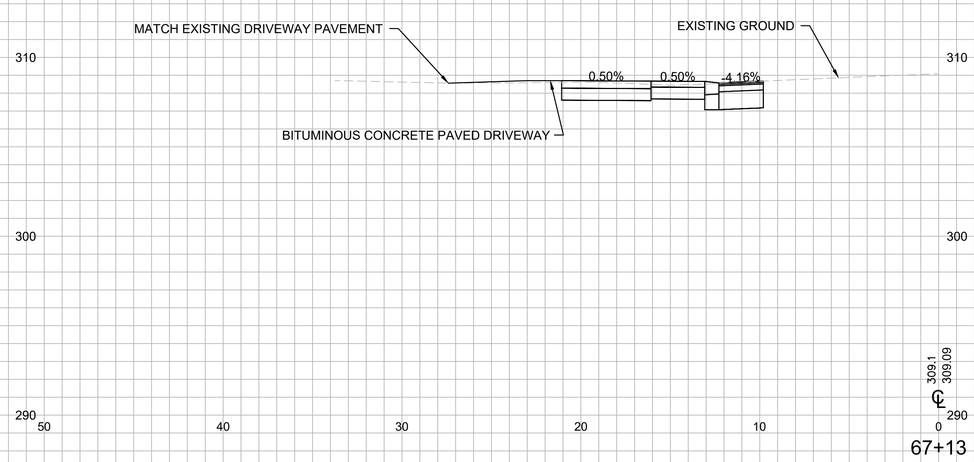
PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS
AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: SHRUB RD. CROSS SECTIONS - 61

PROJECT NO. **3401**
DRAWING NO. CX-161
SHEET NO.





REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: 3401-CXSC SERIES (CROSS SECTIONS).DWG

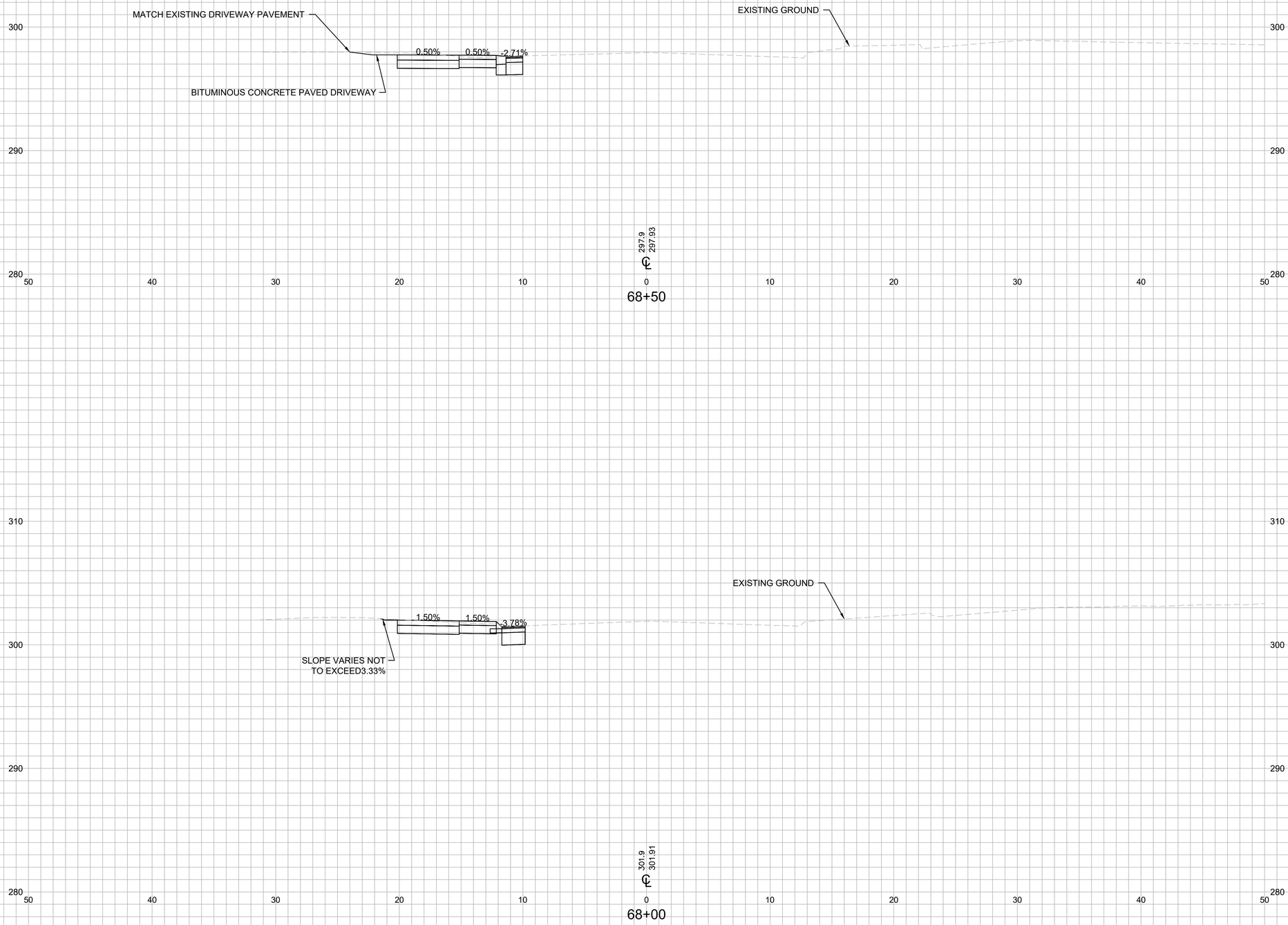
SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS
AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: SHRUB RD. CROSS SECTIONS - 62

PROJECT NO. **3401**
DRAWING NO. CX-162
SHEET NO.



REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: 3401-CXSC SERIES (CROSS SECTIONS).DWG

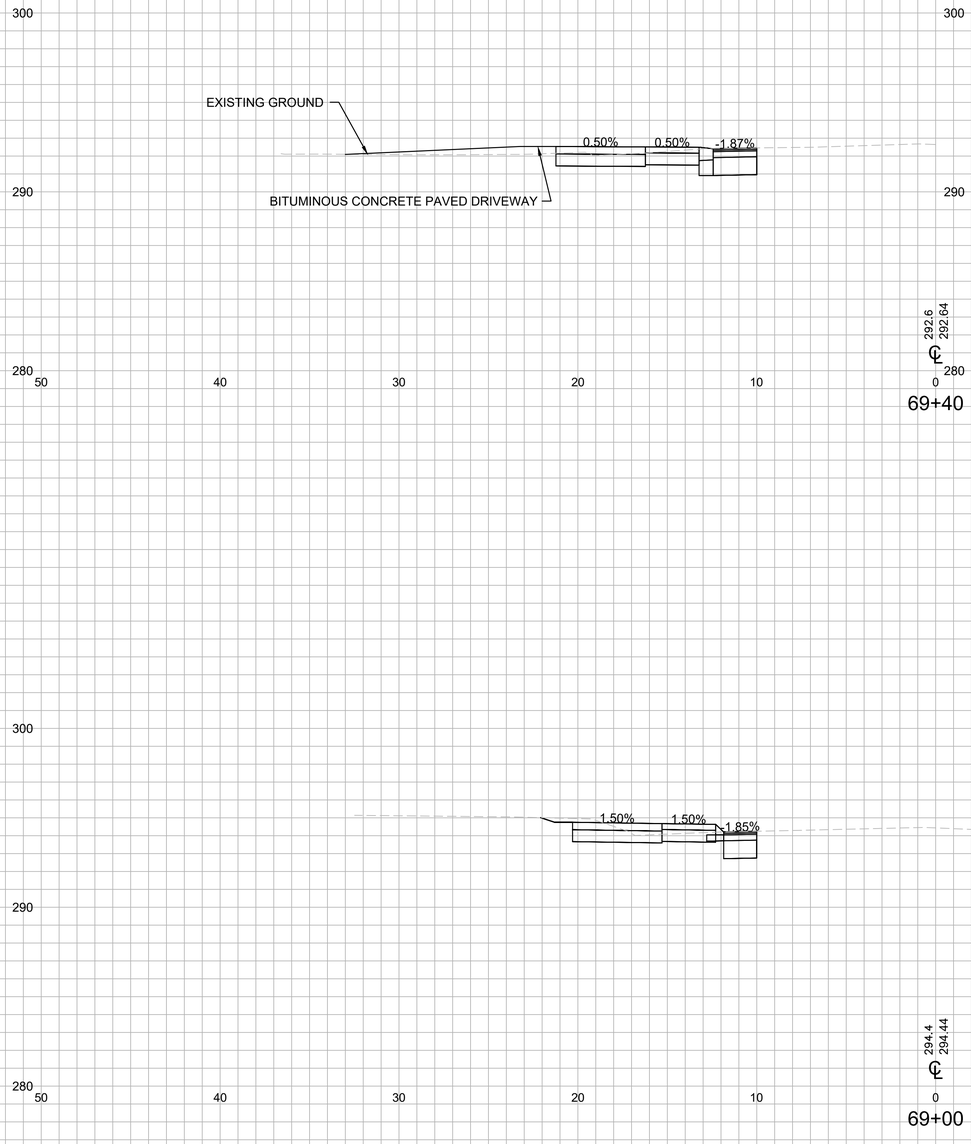
SIGNATURE/ BLOCK:

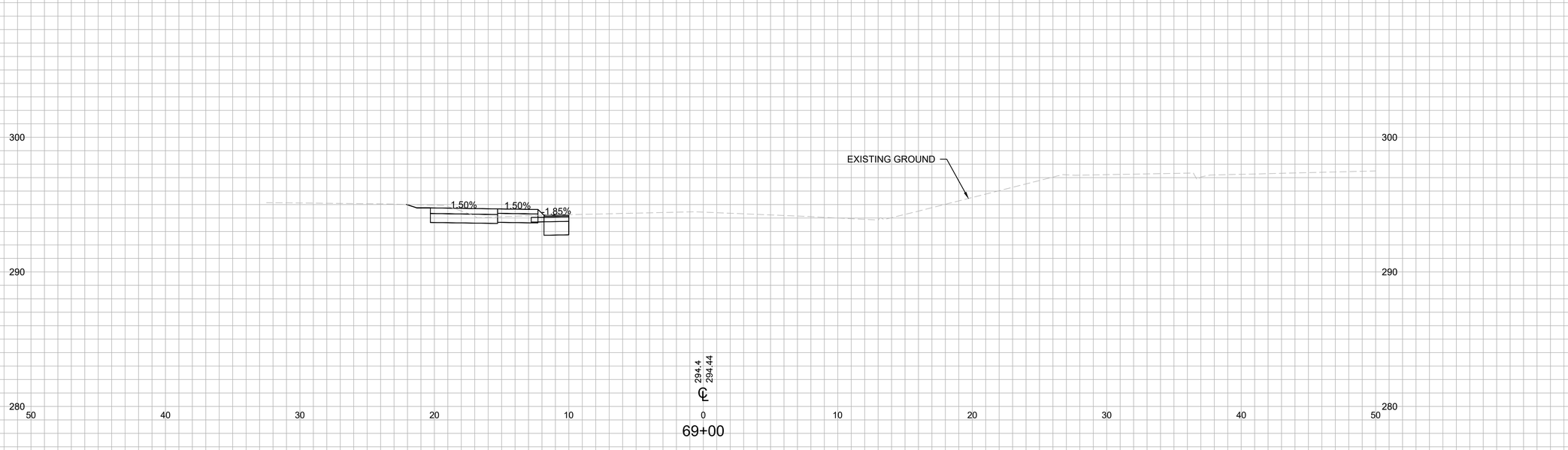
PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS
AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: SHRUB RD. CROSS SECTIONS - 63

PROJECT NO. **3401**
DRAWING NO. CX-163
SHEET NO.





REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PLOTTED DATE:

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DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: 3401-CXSC SERIES (CROSS SECTIONS).DWG

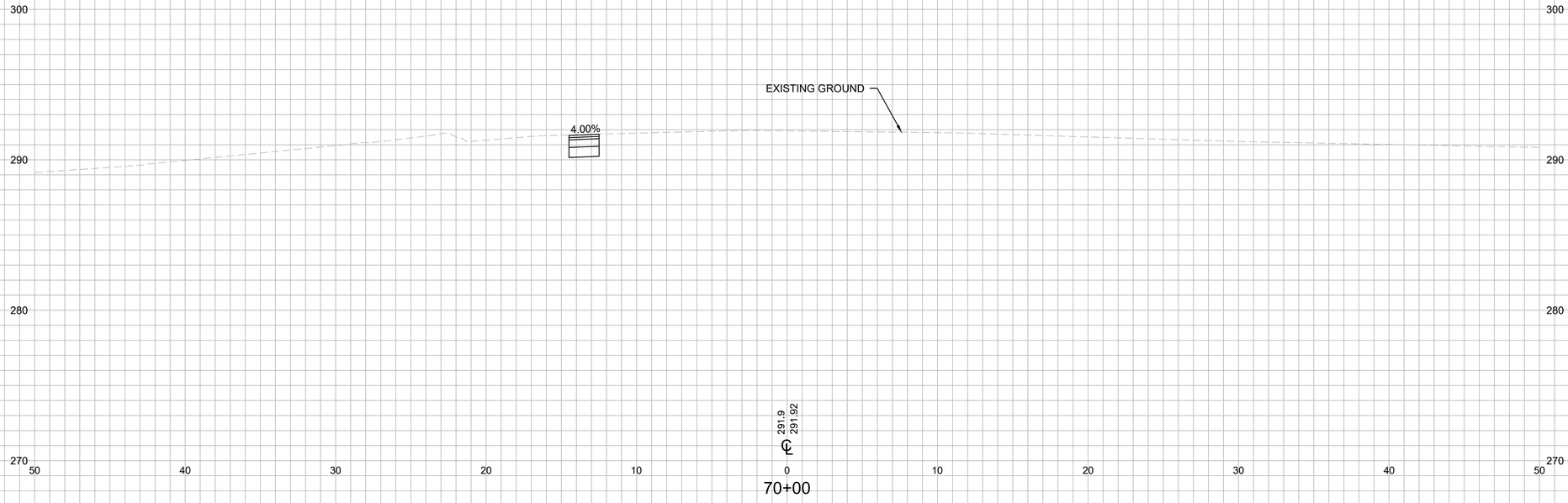
SIGNATURE/ BLOCK:

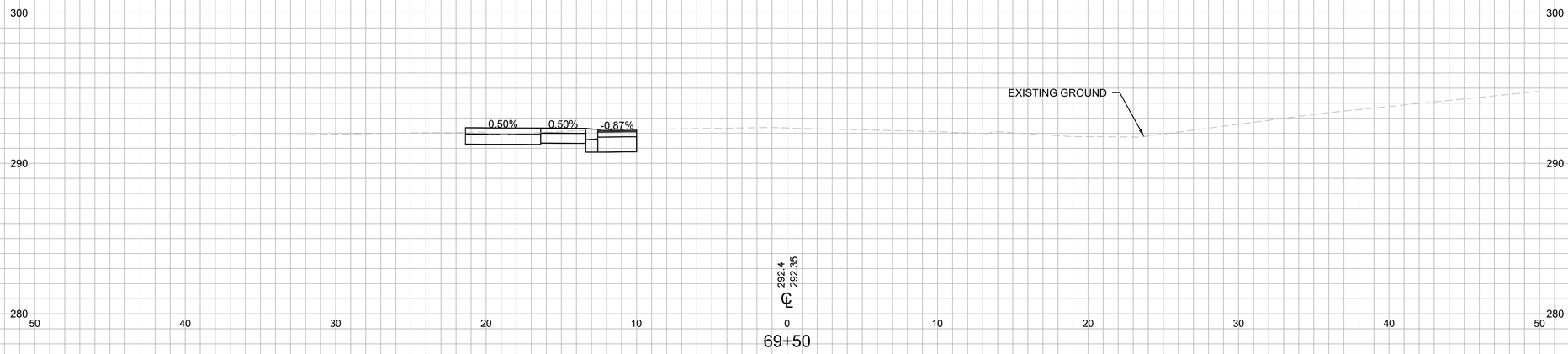
PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS
AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: SHRUB RD. CROSS SECTIONS - 64

PROJECT NO. **3401**
DRAWING NO. CX-164
SHEET NO.





REV.	DATE	REVISION DESCRIPTION	SHEET NO.

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DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: 3401-CXSC SERIES (CROSS SECTIONS).DWG

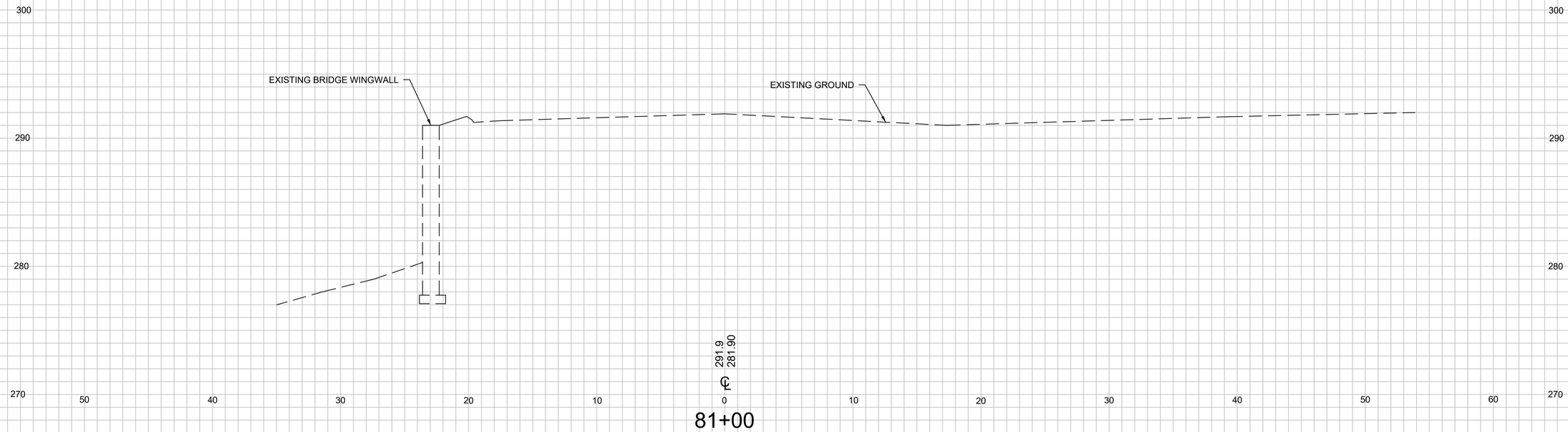
SIGNATURE/ BLOCK:

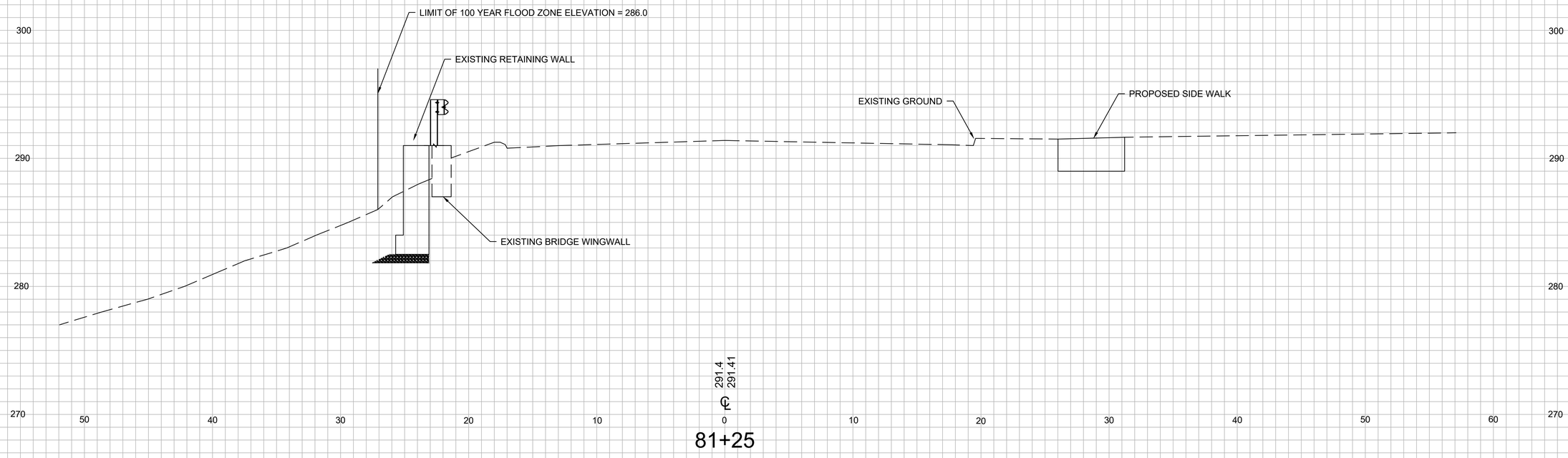
PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS
AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: SHRUB RD. CROSS SECTIONS - 65

PROJECT NO. **3401**
DRAWING NO. CX-165
SHEET NO.





REV.	DATE	REVISION DESCRIPTION	SHEET NO.	PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

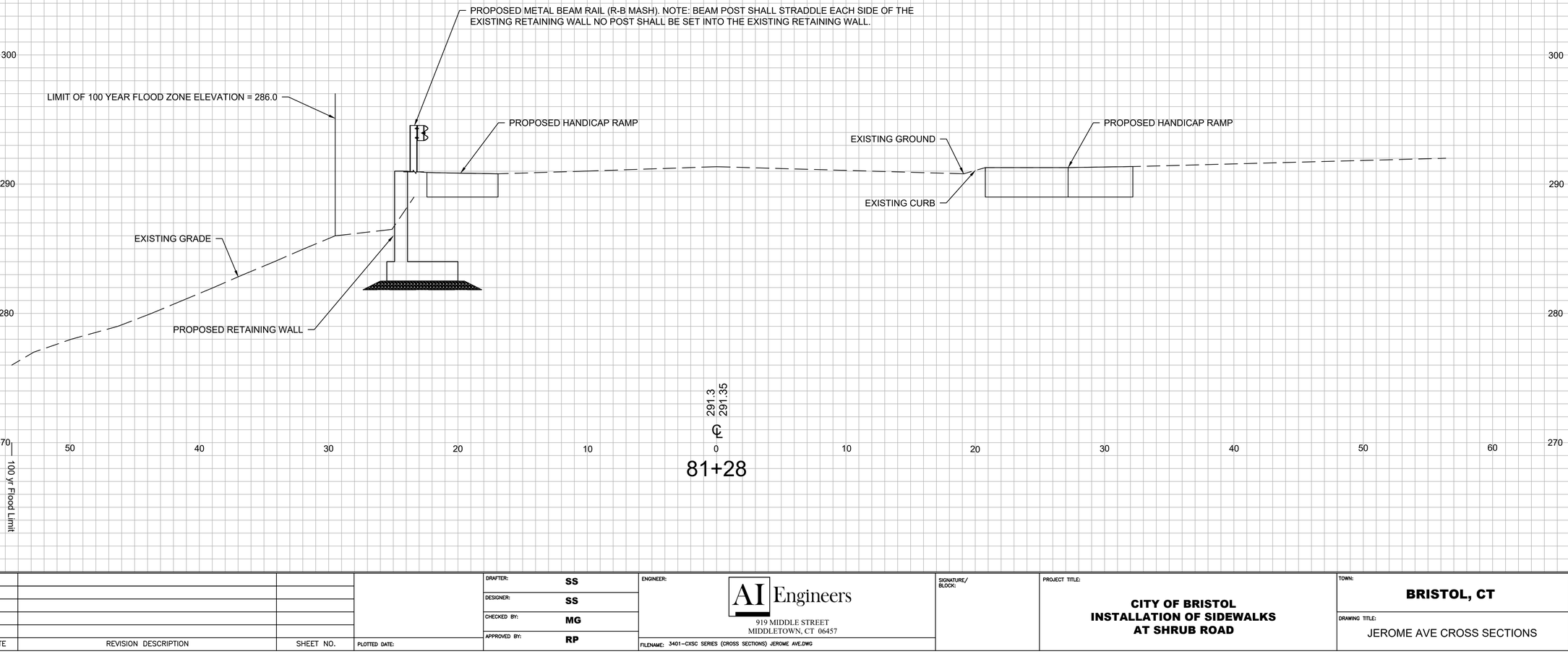
ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: 3401-CXSC SERIES (CROSS SECTIONS) JEROME AVE.DWG

SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS AT SHRUB ROAD

TOWN: **BRISTOL, CT**
DRAWING TITLE: JEROME AVE CROSS SECTIONS

PROJECT NO. **3401**
DRAWING NO. CX-166
SHEET NO.



REV.	DATE	REVISION DESCRIPTION	SHEET NO.	PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: 3401-CXSC SERIES (CROSS SECTIONS) JEROME AVE.DWG

SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS AT SHRUB ROAD

TOWN: **BRISTOL, CT**
DRAWING TITLE: JEROME AVE CROSS SECTIONS

PROJECT NO. **3401**
DRAWING NO. CX-167
SHEET NO.

04 - STRUCTURE
INDEX OF DRAWINGS

DRAWING NUMBER	DRAWING TITLE	DRAWING NUMBER	DRAWING TITLE
S-01	STRUCTURE INDEX OF DRAWINGS		
S-02	GENERAL PLAN, ELEVATION AND SECTION		
S-03	GENERAL NOTES		
S-04	BORING LOGS		
S-05	WATER HANDLING PLAN		
S-06	ABUTMENT PLANS AND ELEVATION		
S-07	STRUCTURAL DETAILS		
S-08	THRIE-BEAM BRIDGE ATTACHMENT DETAILS		

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PLOTTED DATE:

DRAFTER: SS
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CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457

FILENAME: S-01 STRUCTURE INDEX OF DRAWINGS.DWG

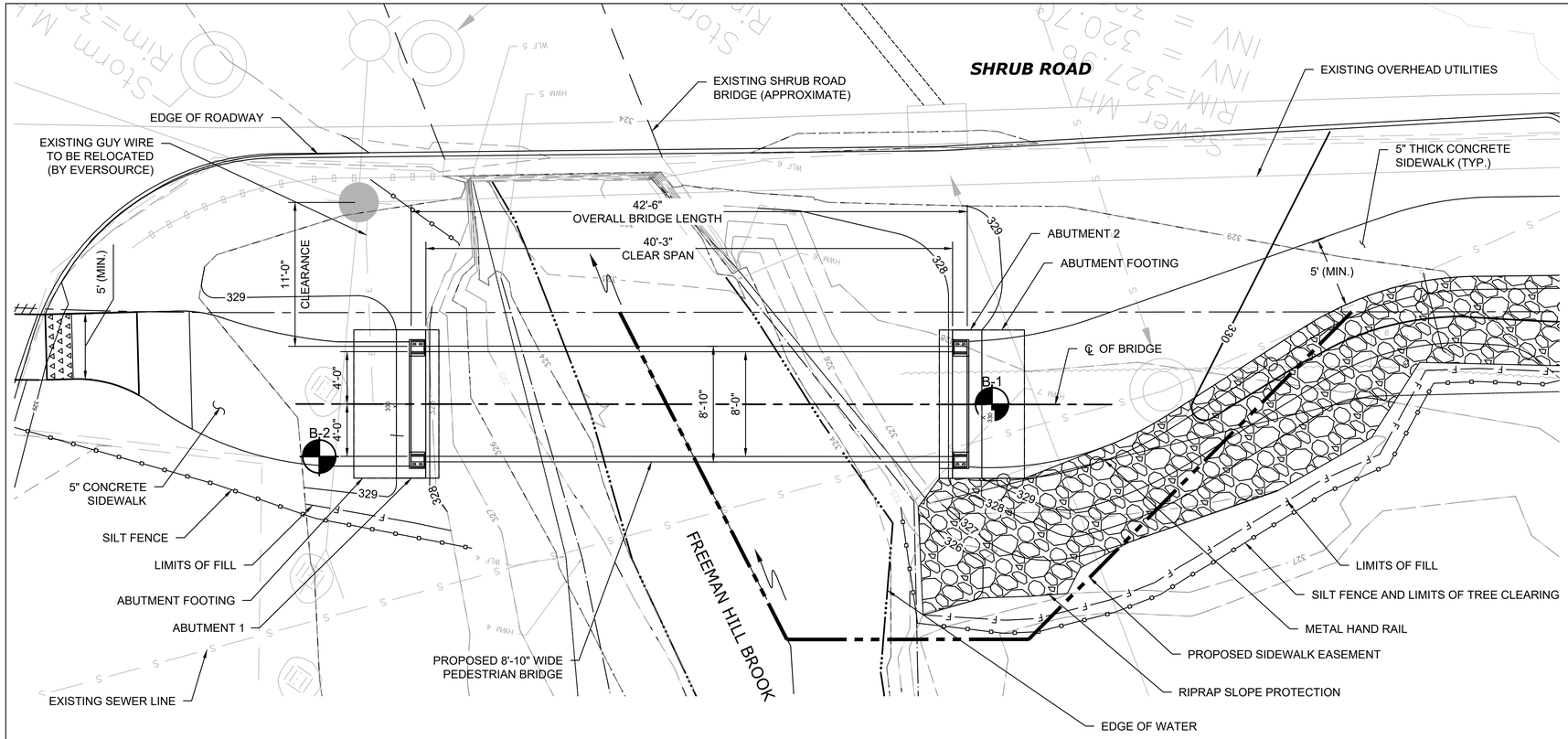
SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS AT SHRUB ROAD

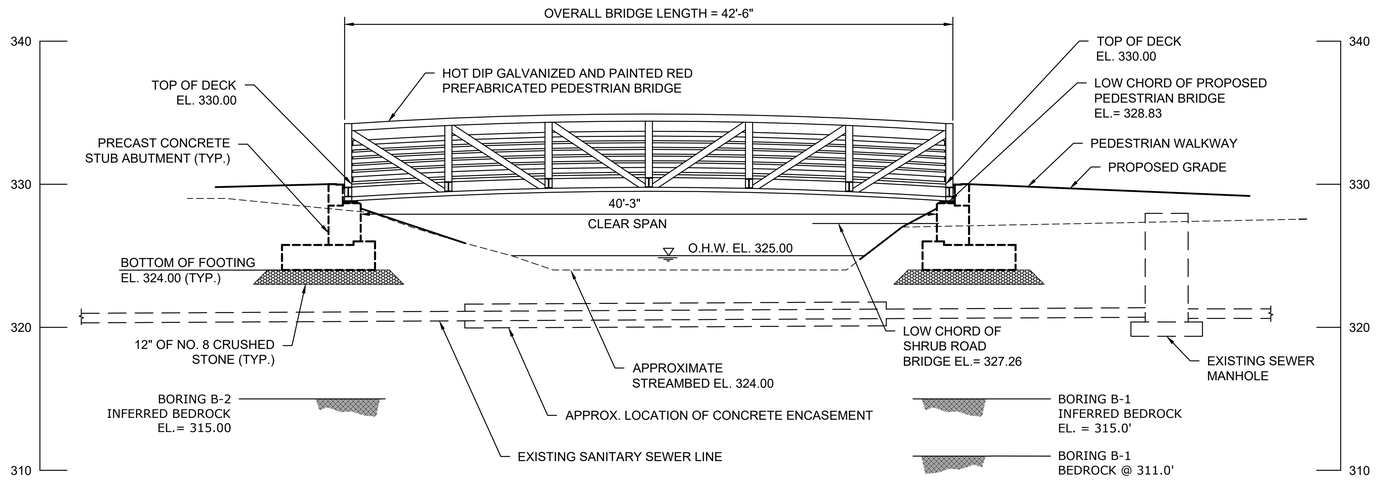
TOWN: **BRISTOL, CT**

DRAWING TITLE: STRUCTURE INDEX OF DRAWINGS

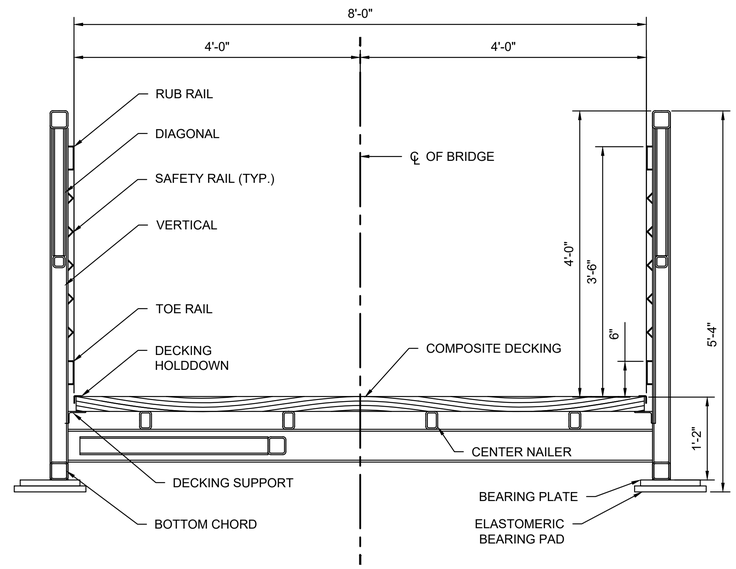
PROJECT NO. **3401**
DRAWING NO. S-01
SHEET NO.



GENERAL PLAN
SCALE: 1" = 5'



UPSTREAM ELEVATION
SCALE: 1" = 5'



TYPICAL BRIDGE SECTION
SCALE: 1" = 1'

REV.	DATE	REVISION DESCRIPTION	SHEET NO.	PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
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APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457

FILENAME: S-02 GENERAL PLAN ELEVATION AND SECTION.DWG

SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS AT SHRUB ROAD

TOWN: **BRISTOL, CT**

PROJECT NO. **3401**

DRAWING NO. S-02

DRAWING TITLE: GENERAL PLAN, ELEVATION AND SECTION

SHEET NO.

GENERAL NOTES

1. SPECIFICATIONS: CONNECTICUT DEPARTMENT OF TRANSPORTATION FORM 819 (2024), INCLUDING JULY 2023 SUPPLEMENTS, AND SPECIAL PROVISIONS.

DESIGN SPECIFICATIONS: AASHTO LRFD DESIGN SPECIFICATIONS, 10TH EDITION, 2024, AS SUPPLEMENTED BY THE CONNECTICUT DEPARTMENT OF TRANSPORTATION BRIDGE AND ROADWAY STRUCTURES DESIGN MANUAL (2025).

2. MATERIAL STRENGTHS:

   CONCRETE:
   CLASS PCC 03340 f'c = 3,000 PSI
   CLASS PCC 04462 f'c = 4,000 PSI
   THE CONCRETE STRENGTH USED IN DESIGN (f'c) OF THE CONCRETE COMPONENTS IS NOTED ABOVE. THE COMPRESSIVE STRENGTH OF THE CONCRETE IN THE CONSTRUCTED COMPONENTS SHALL CONFORM TO THE REQUIREMENTS OF SECTION 6.01 - CONCRETE FOR STRUCTURES AND M.03 - PORTLAND CEMENT CONCRETE.

   REINFORCEMENT:
   ASTM A615 GRADE 60 fy = 60,000 PSI

3. LIVE LOAD: 90 PSF PEDESTRIAN LOADING OR AASHTO TO H5 LOADING WHICHEVER GOVERNS

4. DEAD LOAD: ALL PEDESTRIAN BRIDGE COMPONENTS

5. FUTURE PAVING ALLOWANCE: NONE

CONCRETE NOTES

1. THE FOLLOWING PAY ITEMS AND CONCRETE CLASSES ARE REQUIRED FOR CAST-IN-PLACE BRIDGE COMPONENTS:

ITEM	BRIDGE COMPONENTS	PCC CLASS
PEDESTRIAN BRIDGE	ABUTMENT FOOTINGS	PCC03340
	ABUTMENT STEM AND BACKWALL	PCC04462
PARAPET CONCRETE	ENDBLOCK ATTACHED TO EXISTING WINGWALL	PCC04462

2. EXPOSED EDGES: EXPOSED EDGES OF CONCRETE SHALL BE BEVELED 2"x2" UNLESS DIMENSIONED OTHERWISE.

3. CONCRETE COVER: ALL REINFORCEMENT SHALL HAVE TWO INCHES COVER UNLESS DIMENSIONED OTHERWISE.

4. REINFORCEMENT: ALL REINFORCEMENT SHALL BE GALVANIZED AFTER FABRICATION UNLESS NOTED OTHERWISE. ALL REINFORCEMENT SHALL CONFORM TO THE REQUIREMENTS OF ASTM A767, CLASS 1, INCLUDING SUPPLEMENTAL REQUIREMENTS. THE COST OF FURNISHING AND PLACING THIS REINFORCEMENT SHALL BE INCLUDED IN THE ITEM "PEDESTRIAN BRIDGE"

5. PREFORMED EXPANSION JOINT FILLER: COST SHALL BE INCLUDED IN THE ITEM "PEDESTRIAN BRIDGE".

6. CONSTRUCTION JOINTS: CONSTRUCTION JOINTS, OTHER THAN THOSE SHOWN ON THE PLANS, WILL NOT BE PERMITTED WITHOUT THE PRIOR APPROVAL OF THE ENGINEER.

7. PENETRATING SEALER PROTECTIVE COMPOUND SHALL BE APPLIED TO ALL EXPOSED FACES OF THE CONCRETE BRIDGE SEAT AND BACKWALL.

UTILITY NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE RESPECTIVE UTILITY COMPANIES IN ADVANCE OF THE INSTALLATION OF THE PEDESTRIAN BRIDGE. UTILITY COMPANY LIST & CONTACT INFORMATION IS INCLUDE IN THE CONTRACT DOCUMENTS.

2. CONTRACTOR SHALL EXERCISE CAUTION DURING EXCAVATION AND INSTALLATION OF CONCRETE FOOTINGS AND ABUTMENTS NEAR THE EXISTING SANITARY SEWER LINE. ANY DAMAGE TO THE EXISTING SEWER LINE SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST.

3. OVERHEAD WIRES EXIST IN THE VICINITY OF THE STRUCTURE ON ONE SIDE OF THE BRIDGE. PRIOR TO THE COMMENCING OF ANY OPERATIONS, THE CONTRACT SHALL CONFIRM THE LOCATIONS OF THESE WIRES AND CONTACT THE UTILITY COMPANY. THE CONTRACTOR SHALL MAINTAIN AWARENESS OF THE WIRES THROUGH THE DURATION OF HIS WORK.

4. CONTRACTOR SHALL COORDINATE WITH EVERSOURCE FOR TEMPORARY SUPPORT AND PERMANENT RELOCATION OF THE EXISTING GUY WIRE AT THE PEDESTRIAN BRIDGE APPROACH.

PEDESTRIAN BRIDGE SUPERSTRUCTURE NOTES

1. PEDESTRIAN BRIDGE SUPERSTRUCTURE SHALL BE DESIGNED, FABRICATED, AND INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH TECHNICAL SPECIFICATIONS. SHOP DRAWINGS, DESIGN CALCULATIONS, AND ERECTION PLAN MUST BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO ORDERING MATERIAL OR CONSTRUCTING BRIDGE.

2. BRIDGE SEAT ELEVATIONS AND ANCHOR BOLT LOCATIONS SHALL BE DETERMINED BY THE BRIDGE MANUFACTURER. CONSTRUCTION OF THE ABUTMENTS SHALL NOT COMMENCE UNTIL SHOP DRAWINGS HAVE BEEN REVIEWED AND APPROVED BY THE ENGINEER.

3. ANCHOR BOLTS SHALL BE FULLY THREADED STAINLESS STEEL RODS AND CONFORM TO A193, CLASS 2, GRADE 8 (UNS DESIGNATION S 30400 (304)). THE NUTS SHALL BE PREVAILING-TORQUE REUSABLE-TYPE (WITH NYLON INSERT) LOCK NUTS AND CONFORM TO A194, GRADE 8, STRAIN HARDENED (UNS DESIGNATION S 030400 (304)). WASHERS SHALL BE 5/16" THICK STAINLESS STEEL AND CONFORM TO ASTM A276, TYPE 304, ANNEALED. ANCHOR BOLTS SHALL BE PAID FOR UNDER ITEM "PEDESTRIAN BRIDGE ".

4. BEARINGS SHALL BE NEOPRENE ELASTOMERIC BEARING PADS DESIGNED IN ACCORDANCE WITH AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS (10TH EDITION). BEARING PADS SHALL BE DESIGNED AND PAID FOR UNDER ITEM "PEDESTRIAN BRIDGE ".

5. BRIDGE SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

6. ALL MEMBERS OF VERTICAL TRUSSES (TOP AND BOTTOM CHORDS, VERTICAL AND DIAGONALS) AND LATERAL BRACING WITH CALCULATED TENSILE STRESSES SHALL BE DESIGNATED FRACTURE CRITICAL MEMBERS.

7. PREFABRICATED PEDESTRIAN BRIDGE SHALL BE HOT DIP GALVANIZED STEEL IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS. BRIDGE MEMBERS SHALL BE FABRICATED FROM ASTM A36, A572, OR A992 AND TUBULAR SECTIONS FROM ASTM A500 GR. B AND IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS.

8. ¼" MINIMUM STEEL THICKNESS REQUIRED ON ALL STRUCTURAL MEMBERS.

9. WELDING DETAILS, PROCEDURES AND TESTING METHODS SHALL CONFORM TO THE ANSI/AWS D1.1 - STRUCTURAL WELDING CODE, LATEST EDITION.

10. HOT DIP GALVANIZED STEEL: ENSURE THAT ALL WELDING PRODUCES WELD METAL WITH ATMOSPHERIC CORROSION RESISTANCE AND COLORING CHARACTERISTICS SIMILAR TO THAT OF THE BASE METAL ARE IN ACCORDANCE WITH SECTION 4.1.4. OF THE LATEST EDITION OF ANSI/AASHTO/AWS D1.5, BRIDGE WELDING CODE.

11. THE PEDESTRIAN BRIDGE IS PROPOSED TO BE PAINTED RED AND HAVE COMPOSITE DECKING MATERIAL. THE CONTRACTOR SHALL COORDINATE WITH THE CITY FOR ALL MATERIAL SELECTIONS AND FINAL APPROVALS PRIOR TO ANY FABRICATION WORK IN ACCORDANCE WITH THE SPECIAL PROVISIONS.

REV.	DATE	REVISION DESCRIPTION	SHEET NO.	PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER: AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457

FILENAME: S-03 GENERAL NOTES.DWG

SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: GENERAL NOTES

PROJECT NO. **3401**
DRAWING NO. S-03
SHEET NO.

DOWN TO EARTH CONSULTING, LLC
GEOTECHNICAL AND ENVIRONMENTAL ENGINEERING

PROJECT
PROPOSED PEDESTRIAN BRIDGE
SHRUB ROAD
BRISTOL, CONNECTICUT

BORING NO. B-1
SHEET 1 of 1
FILE NO. 0070-024.00
CHKD. BY TJO

Boring Co. Associated Borings Company
Driller Jaime Lloret
Logged By Mateusz Fekieta

Boring Location See Boring Location Plan
Ground Surface El. Not Available Datum Not Available
Date Start 3/29/2022 Date End 3/29/2022

Hammer Type: Donut hammer driven by cathead with 30 inch drop
Sampler Size: 1-3/8" I.D. Split Spoon
Type Drill Rig: Truck Mounted CME 45
Drilling Method: 2.25 and 3.25-inch I.D. Hollow-Stem Augers

Groundwater Readings (from ground surface)				
Date	Time	Depth (ft)	Elev.	Stabilization Time
3/29/22	-	4	-	Wet Sample
3/29/22	-	3.5	-	End of Boring

DEPTH	Casing Blows (ft)	SAMPLE INFORMATION Type & No.	REC/PEN (inches)	DEPTH (feet)	BLOWS PER 6 INCHES	Core Time (min./ft)	SAMPLE DESCRIPTION	STRATA
1								
2		S-1	6/24	1 to 3	5-6-11-7		Medium dense, brown, fine to coarse SAND, some Silt, little fine to coarse Gravel	FILL
3								
4		S-2	7/16	3 to 4.3	10-34-50/4"		Very dense, brown, fine to coarse SAND, some Silt, with Cobble/Boulder fragments at the tip	
5								SAND
6		S-3	0/4	5 to 5.3	50/4"		Very dense, No Recovery	
7								
8								
9								
10								
11		S-4	5/11	10 to 10.8	24-50/5"		Very dense, brown/gray, fine to coarse GRAVEL, some fine to coarse SAND, little Silt	
12								
13								
14		C-1	36/48	13 to 17		7.5	Poor Quality, Hard, Slightly Weathered, gray, medium grained, GNEISS (REC=36/48=75%, RQD=13/48=27%)	INFERRED BEDROCK
15						10		
16						6.5		
17						17.5		
18							END OF EXPLORATION AT 17 FEET BELOW GROUND SURFACE	
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SPT N-Values	SPT N-Values	Proportions	SYMBOL KEY	
0 to 4 - Very Loose	0 to 2 - Very Soft	Trace = 0 to 10%	1. S denotes split-barrel sampler.	7. WH denotes weight of hammer
5 to 10 - Loose	3 to 4 - Soft	Little = 10 to 20%	2. ST denotes 3-inch O.D. undisturbed sample.	8. WR denotes weight of rods
11 to 30 - Medium Dense	5 to 8 - Medium Stiff	Some = 20 to 35%	3. UO denotes 3-inch Osterberg undisturbed sample.	9. PP denotes Pocket Penetrometer.
31 to 50 - Dense	9 to 15 - Stiff	And = 35 to 50%	4. PEN denotes penetration length of sampler.	10. FVST denotes field vane shear test.
Over 50 - Very Dense	16 to 30 - Very Stiff		5. REC denotes recovered length of sample.	11. RQD denotes Rock Quality Designation.
	Over 30 - Hard		6. SPT denotes Standard Penetration Test.	12. C denotes core run number.

FIELD NOTES: 1) Stratification lines represent approximate boundaries between soil types, transitions may be gradual.
2) Water level readings have been made at times and under conditions stated, fluctuations may occur due to other factors.
3) Auger refusal at 6 feet on inferred boulder. Boring relocated 4 feet West. Auger refusal at 4 feet below ground on inferred boulder. Boring relocated 4 feet North.
4) Cobbles and/or boulders were inferred based on auger chatter from about 4 to 13 feet.
5) Rock core (C-1) was ended due to the core barrel braking off in the hole. The recovered core appeared to be bedrock, but it could have been a large boulder.

DOWN TO EARTH CONSULTING, LLC
GEOTECHNICAL AND ENVIRONMENTAL ENGINEERING

PROJECT
PROPOSED PEDESTRIAN BRIDGE
SHRUB ROAD
BRISTOL, CONNECTICUT

BORING NO. B-2
SHEET 1 of 1
FILE NO. 0070-024.00
CHKD. BY TJO

Boring Co. Associated Borings Company
Driller Jaime Lloret
Logged By Mateusz Fekieta

Boring Location See Boring Location Plan
Ground Surface El. Not Available Datum Not Available
Date Start 3/29/2022 Date End 3/29/2022

Hammer Type: Donut hammer driven by cathead with 30 inch drop
Sampler Size: 1-3/8" I.D. Split Spoon
Type Drill Rig: Truck Mounted CME 45
Drilling Method: 2.25-inch I.D. Hollow-Stem Augers

Groundwater Readings (from ground surface)				
Date	Time	Depth (ft)	Elev.	Stabilization Time
3/29/22	-	5	-	Wet Sample
3/29/22	-	5	-	End of Boring

DEPTH	Casing Blows (ft)	SAMPLE INFORMATION Type & No.	REC/PEN (inches)	DEPTH (feet)	BLOWS PER 6 INCHES	Core Time (min./ft)	SAMPLE DESCRIPTION	STRATA
1								
2		S-1	10/24	1 to 3	1-1-8-9		Loose, brown, fine to coarse SAND, some fine to coarse Gravel, little Silt	FILL
3								
4		S-2	9/24	3 to 5	8-9-17-9		Medium dense, brown, fine to coarse SAND, some Silt, trace fine Gravel	
5								SAND
6		S-3	5/24	5 to 7	6-6-2-2		Loose, brown, fine to coarse SAND, little Silt, trace fine Gravel, wet	
7								
8		S-4	3/18	7 to 8.5	3-3-6		Loose, brown, fine to coarse SAND, little Silt	
9								
10								
11		S-5	4/9	10 to 10.8	9-50/3"		Very dense, brown, fine to coarse SAND, little Silt, with Cobble/Boulder fragments at the tip	
12								
13								
14							END OF EXPLORATION AT 13 FEET BELOW GROUND SURFACE	INFERRED BEDROCK
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	Over 30 - Hard		6. SPT denotes Standard Penetration Test.	12. C denotes core run number.

FIELD NOTES: 1) Stratification lines represent approximate boundaries between soil types, transitions may be gradual.
2) Water level readings have been made at times and under conditions stated, fluctuations may occur due to other factors.
3) Auger refusal at 11.5 feet on inferred boulder. Boring relocated 3 feet East.
4) Auger refusal at 13 feet below ground on inferred bedrock.
5) Cobbles and/or boulders were inferred based on auger chatter from about 5 to 13 feet.

REV.	DATE	REVISION DESCRIPTION	SHEET NO.	PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

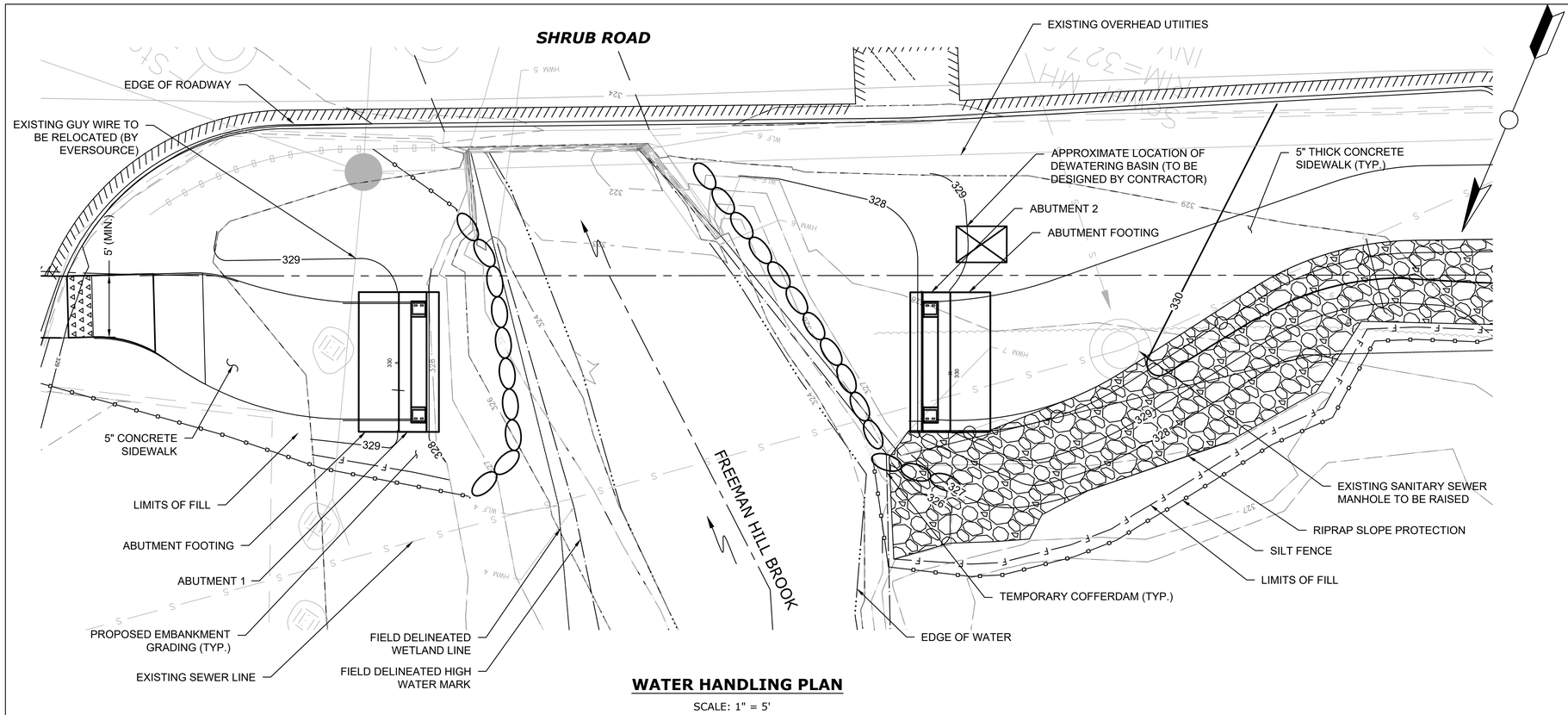
ENGINEER: AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: S-04 BORING LOGS.DWG

SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS
AT SHRUB ROAD

TOWN: **BRISTOL, CT**
DRAWING TITLE: BORING LOGS

PROJECT NO. 3401
DRAWING NO. S-04
SHEET NO.



WATER HANDLING PLAN

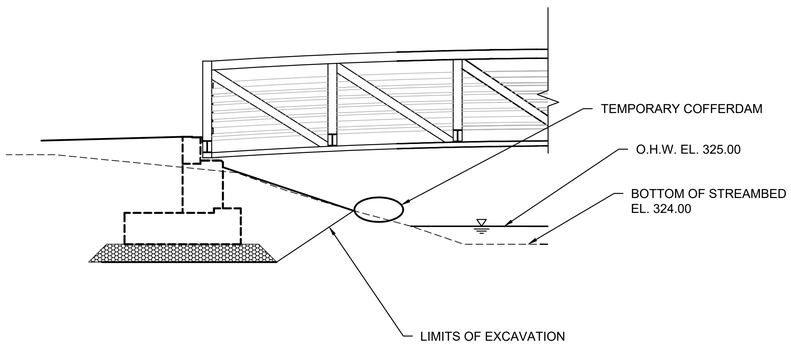
SCALE: 1" = 5'

SUGGESTED CONSTRUCTION SEQUENCE:

1. INSTALL SEDIMENTATION AND EROSION CONTROL MEASURES.
2. PERFORM NECESSARY CLEARING AND GRUBBING.
3. COORDINATE WITH EVERSOURCE ON TEMPORARY SUPPORT OF EXISTING GUY WIRE.
4. INSTALL TEMPORARY COFFERDAM AND DEWATER.
5. EXCAVATE AND INSTALL PROPOSED CRUSHED STONE, ABUTMENT FOOTINGS AND ABUTMENTS.
6. INSTALL BEARINGS AND PREFABRICATED PEDESTRIAN BRIDGE.
7. CONSTRUCT EMBANKMENT GRADING AND STABILIZE.
8. REMOVE TEMPORARY COFFERDAM.
9. RAISE EXISTING SANITARY SEWER MANHOLE FRAME AND GRATE AS REQUIRED.
10. FINALIZE GRADING AND TOP SOIL/TURF ESTABLISHMENT.
11. INSTALL RIPRAP SLOPE PROTECTION (SEE CIVIL PLANS).
12. INSTALL METAL HAND RAIL AT EAST APPROACH (SEE CIVIL PLANS).
13. THE SEDIMENTATION AND EROSION CONTROL MEASURES SHALL BE REMOVED AFTER IMPACTED AREAS ARE STABILIZED AND VEGETATION AS BEEN ESTABLISHED.

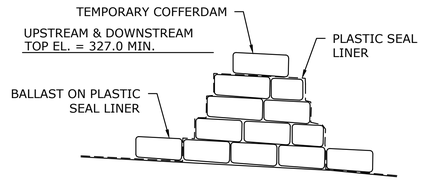
WATER HANDLING NOTES:

1. THE CONTRACTOR SHALL MAINTAIN FLOW BETWEEN THE TEMPORARY WATER-HANDLING-COFFERDAMS AS SHOWN DURING CONSTRUCTION OF THE NEW STRUCTURE.
2. EQUIPMENT SHALL NOT BE PERMITTED IN THE STREAMBED WITHOUT APPROVAL FROM THE ENGINEER.
3. A DEWATERING BASIN SHALL BE ESTABLISHED OUTSIDE OF THE WETLAND LIMITS. THE LOCATION OF THE DEWATERING BASIN IS APPROXIMATE. THE EXACT POSITION MAY VARY BASED ON THE PUMPING DESIGN SUBMISSION AND APPROVED BY THE ENGINEER. THIS WORK SHALL BE PAID FOR UNDER THE ITEM "COFFERDAM AND DEWATERING".
4. TEMPORARY COFFERDAMS SHALL BE DESIGNED BY THE CONTRACTOR TO SUPPORT THE CONSTRUCTION ACTIVITY AND EXCAVATION TO INSTALL THE PROPOSED FOOTINGS AND ABUTMENTS AND SHALL CONFORM TO PERMITS. THIS WORK WILL BE PAID FOR UNDER THE ITEM "COFFERDAM AND DEWATERING".



TYPICAL WATER HANDLING SECTION

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



TEMPORARY COFFERDAM

NOT TO SCALE

REV.	DATE	REVISION DESCRIPTION	SHEET NO.	PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

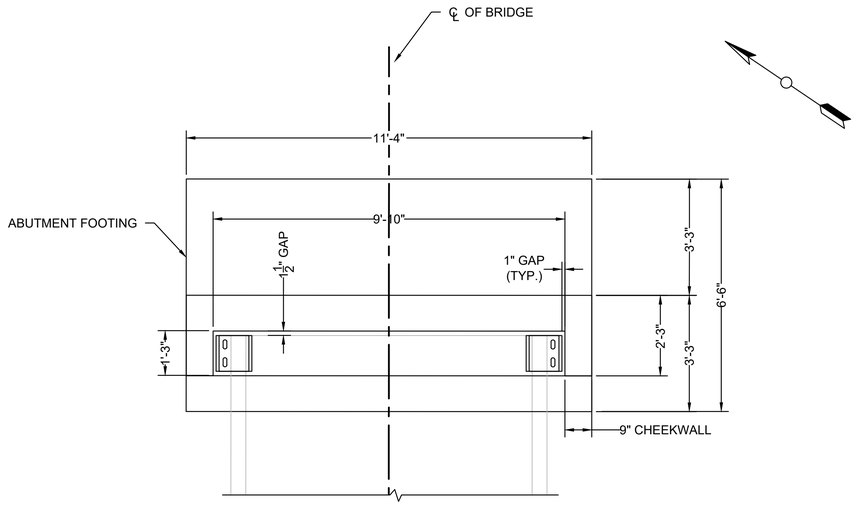
ENGINEER: AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: S-05 WATER HANDLING PLAN.DWG

SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS AT SHRUB ROAD

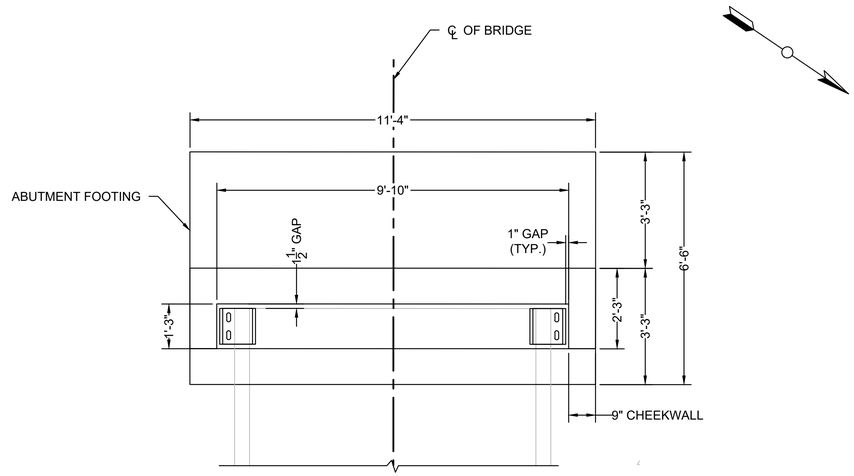
TOWN: **BRISTOL, CT**
DRAWING TITLE: WATER HANDLING PLAN

PROJECT NO. 3401
DRAWING NO. S-05
SHEET NO.



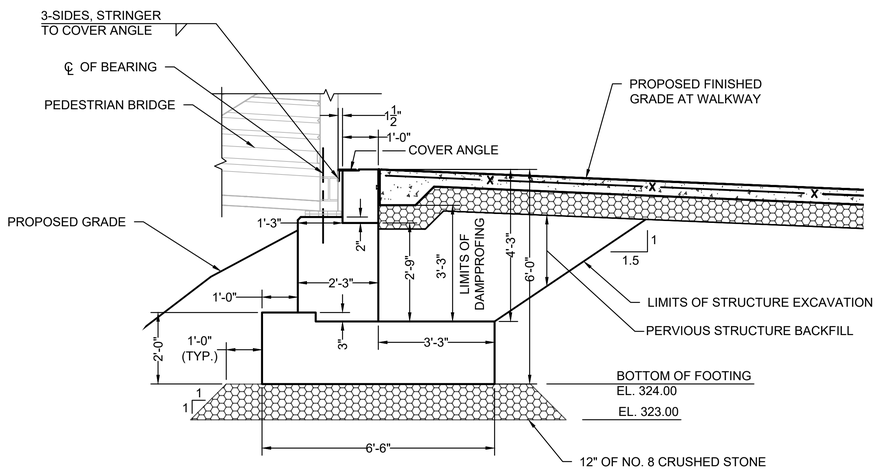
ABUTMENT NO. 1 - PLAN

SCALE: 1/2" = 1'



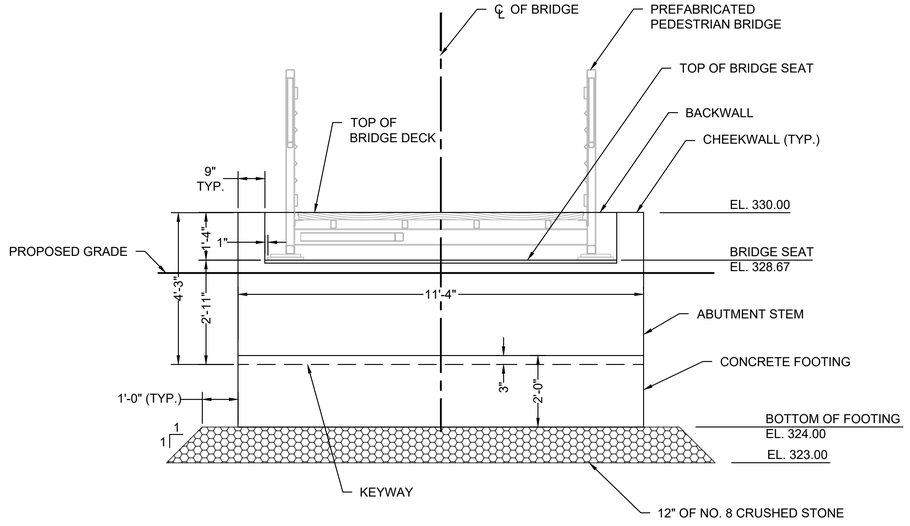
ABUTMENT NO. 2 - PLAN

SCALE: 1/2" = 1'



ABUTMENT NO. 1 & 2 - SECTION

SCALE: 1/2" = 1'



ABUTMENT NO. 1 & 2 - ELEVATION

SCALE: 1/2" = 1'

GENERAL NOTE:

1. FOR ABUTMENT REINFORCEMENT DETAILS REFER TO DRAWING NO. S-07.
2. MAXIMUM DESIGN FOUNDATION PRESSURE:
   STRENGTH I: 2.5 KSF
   SERVICE: 1.8 KSF

REV.	DATE	REVISION DESCRIPTION	SHEET NO.	PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER: AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457

FILENAME: S-06 ABUTMENT PLANS AND ELEVATION.DWG

SIGNATURE/ BLOCK:

PROJECT TITLE: **CITY OF BRISTOL INSTALLATION OF SIDEWALKS AT SHRUB ROAD**

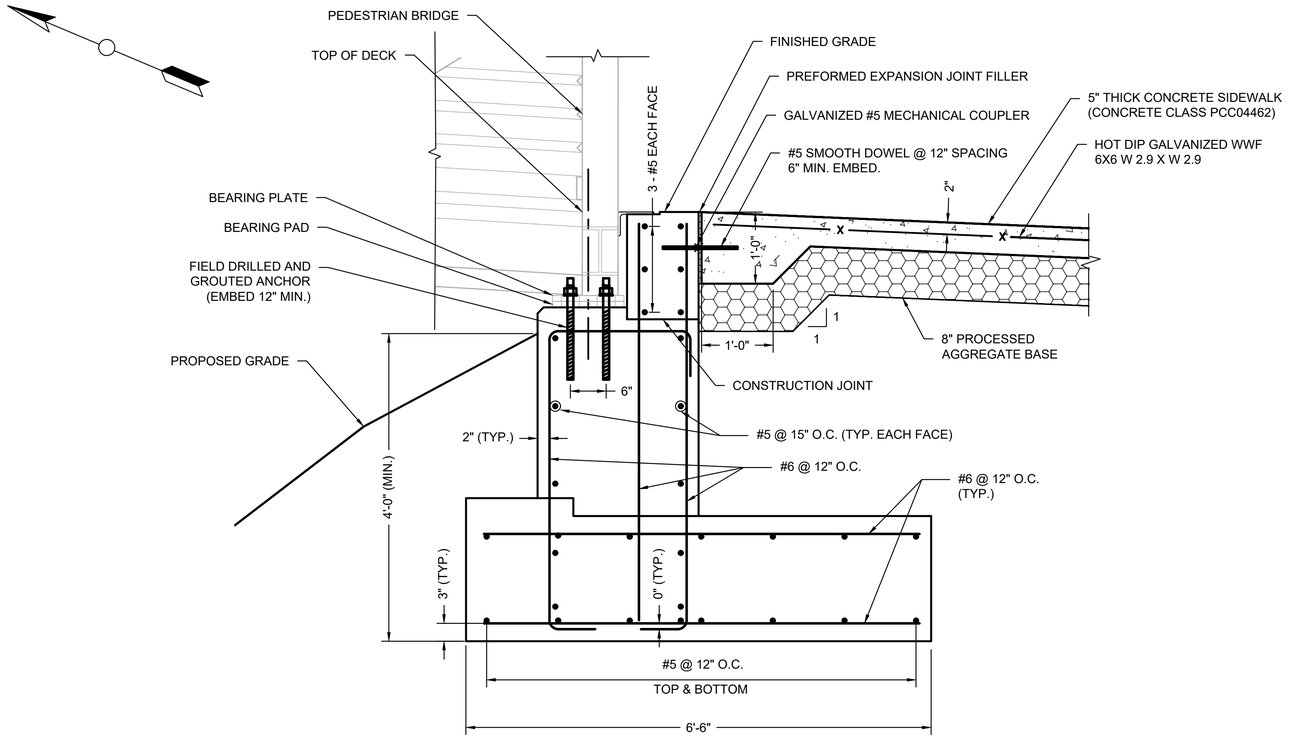
TOWN: **BRISTOL, CT**

DRAWING TITLE: ABUTMENT PLANS AND ELEVATION

PROJECT NO. **3401**

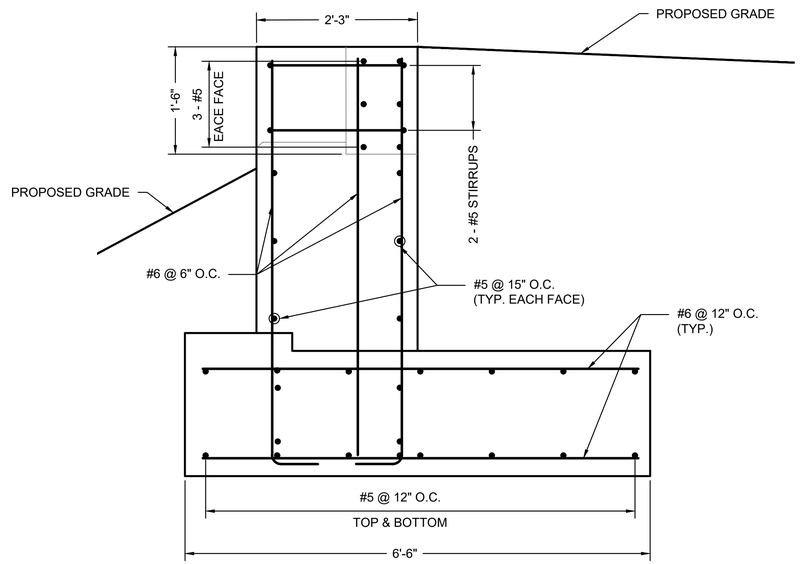
DRAWING NO. S-06

SHEET NO.



TYPICAL ABUTMENT REINFORCING

SCALE: 1" = 1'-0"



TYPICAL CHEEKWALL REINFORCING

SCALE: 1" = 1'-0"

REINFORCEMENT NOTES:

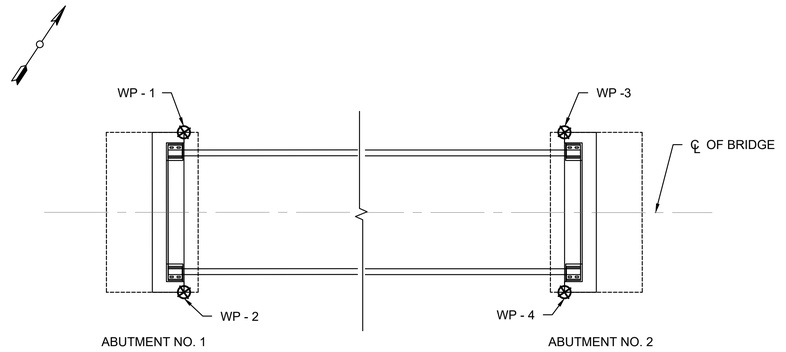
1. AREAS WHERE EXACT REINFORCING BAR SPACING SHOWN ON THE PLANS CANNOT BE ACHIEVED, REINFORCING BARS SHALL BE PLACED EVENLY AND SHALL NOT EXCEED THE MAXIMUM REBAR SPACING.
2. THE SPLICE LENGTH FOR THE REINFORCEMENT IN THE PRECAST COMPONENTS SHALL BE AS FOLLOWS UNLESS OTHERWISE NOTED:
3.

BAR SIZE	SPLICE LENGTH
#5	2'-6"
#6	2'-10"

   THESE SPLICES SHALL BE ALTERNATED SO THAT 50% OR LESS OF THE BARS ARE SPLICED AT THE SAME LOCATION.
4. ALL REINFORCEMENT SHALL HAVE A MINIMUM CLEAR COVER OF 2", UNLESS STATED OTHERWISE.
5. MECHANICAL COUPLERS SHALL BE GALVANIZED AND INCLUDED UNDER ITEM #0602865 "#5 MECHANICAL COUPLERS".
6. DOWELS BETWEEN SIDEWALK AND BACKWALL AND SIDEWALK WWF SHALL BE INCLUDED UNDER ITEM #0602030 "DEFORMED STEEL BARS - GALVANIZED".
7. WWF SHALL BE INCLUDED IN CONCRETE SIDEWALK AT BRIDGE APPROACHES FOR SIDEWALK WIDTHS GREATER THAN 5 FEET.

NOTES

1. THE BRIDGE BEARING PLATE AND BEARING PADS ARE TO BE DESIGNED BY THE BRIDGE MANUFACTURER AND OBTAIN APPROVAL BY ENGINEER ON RECORD PRIOR TO DELIVERY.
2. THE PRECAST STUB ABUTMENTS SHALL BE DESIGNED BY THE CONTRACTOR. THE DESIGN, MANUFACTURE AND CONSTRUCTION OF THE PRECAST ABUTMENTS SHALL BE TO THE DIMENSIONS AND DETAILS SHOWN ON THESE PLANS. THE CONTRACTOR MAY ELECT TO CONSTRUCT CAST-IN-PLACE FOOTING IN LIEU OF PRECAST. SHOP DRAWINGS MUST BE REVIEWED AND APPROVED BY THE ENGINEER IN EITHER CASE.
3. PROCESSED AGGREGATE BASE SHALL BE INCLUDED UNDER ITEM #0921001 "CONCRETE SIDEWALK



WORKING POINT COORDINATES

SCALE: 1" = 2'

WORKING POINT COORDINATES		
WORKING POINTS	NORTHING	EASTING
WP - 1	949146.61	821252.17
WP - 2	949138.45	821260.00
WP - 3	949111.79	821228.03
WP - 4	949106.55	821237.61

REV.	DATE	REVISION DESCRIPTION	SHEET NO.	PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

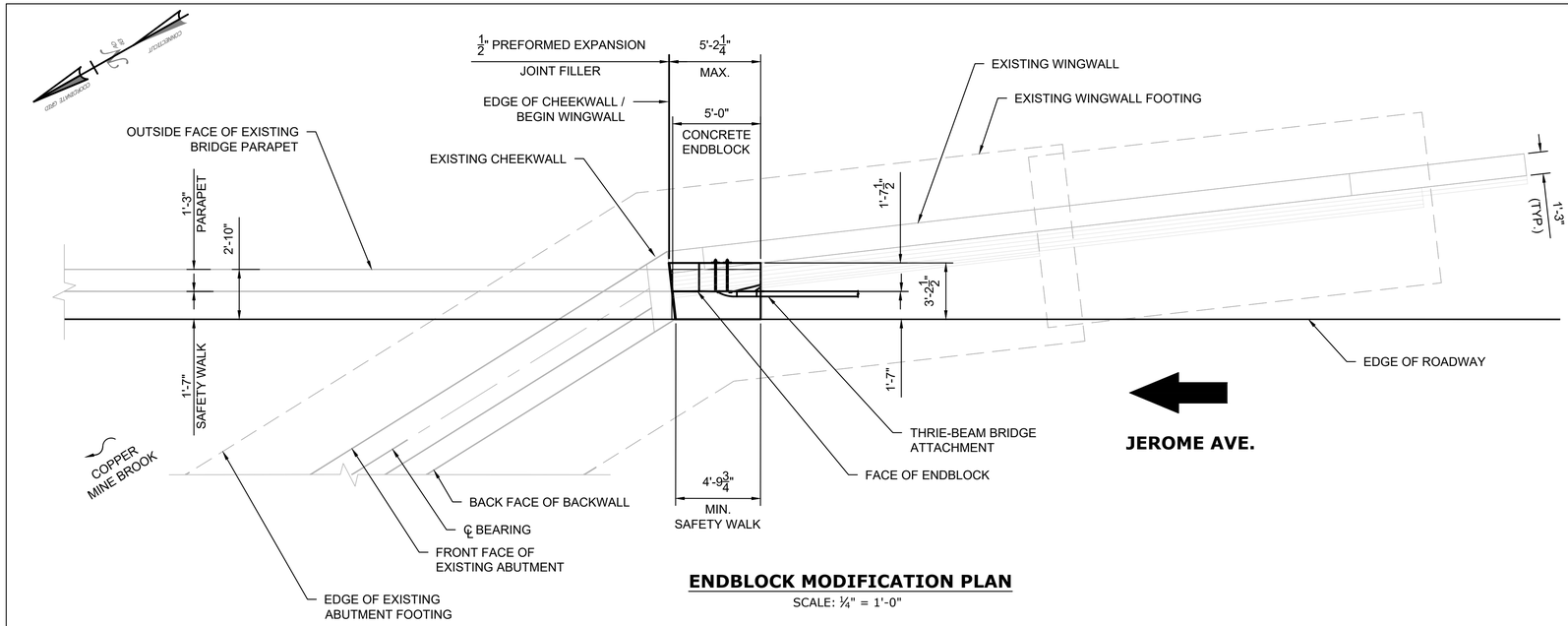
ENGINEER: AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457
FILENAME: S-07 STRUCTURAL DETAILS.DWG

SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS
AT SHRUB ROAD

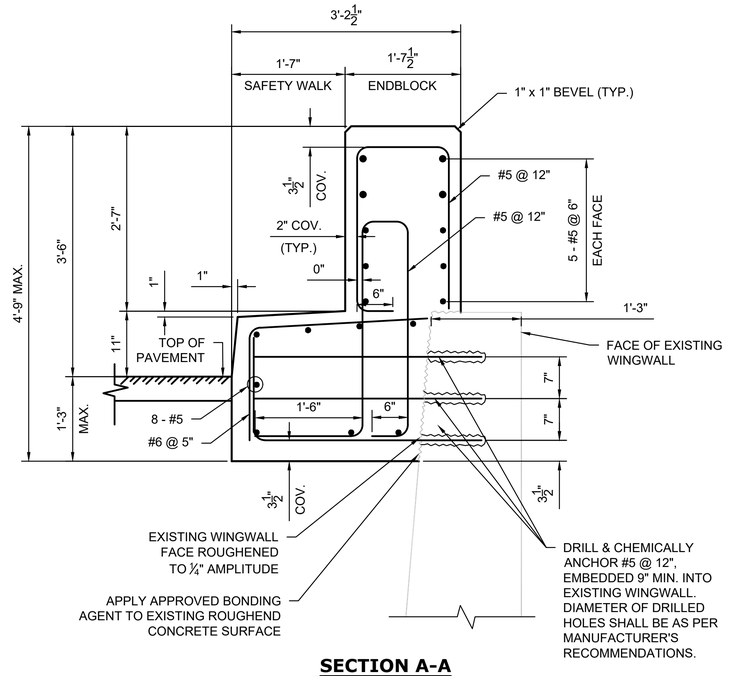
TOWN: **BRISTOL, CT**
DRAWING TITLE: STRUCTURAL DETAILS

PROJECT NO. **3401**
DRAWING NO. S-07
SHEET NO.



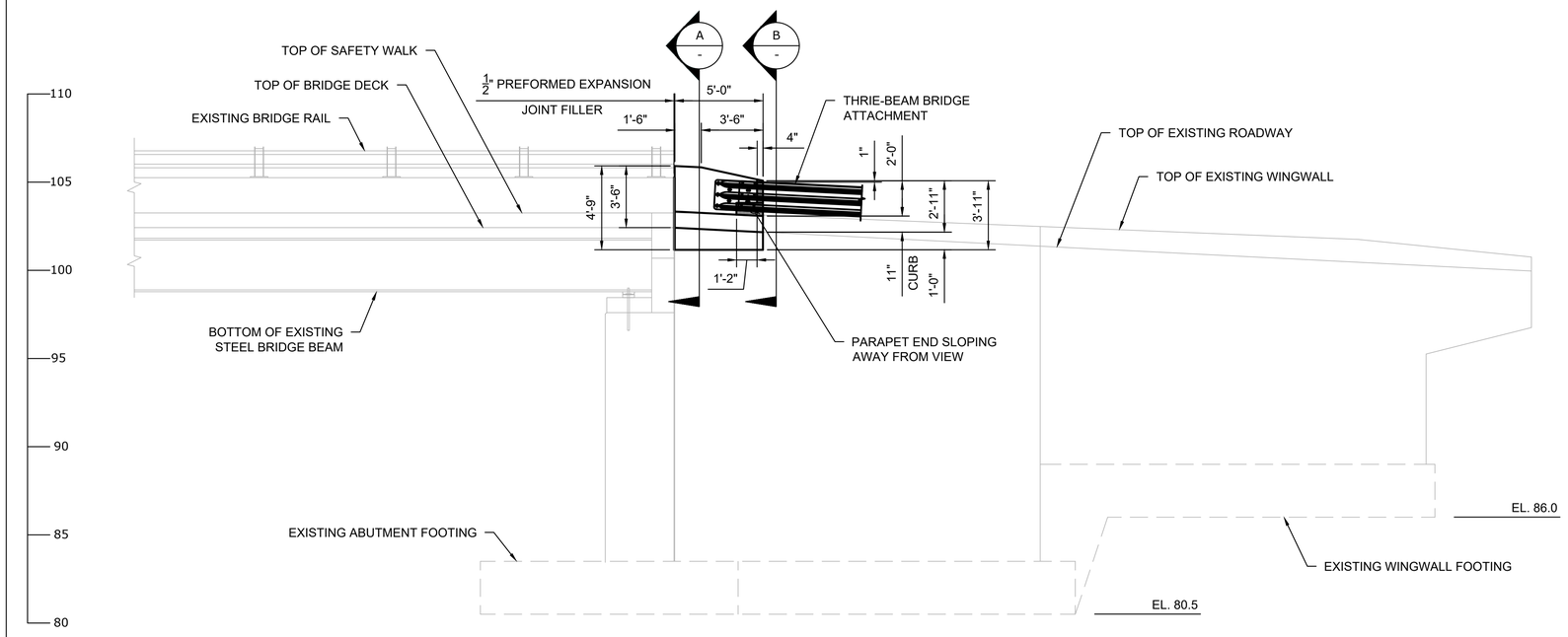
ENDBLOCK MODIFICATION PLAN

SCALE: ¼" = 1'-0"



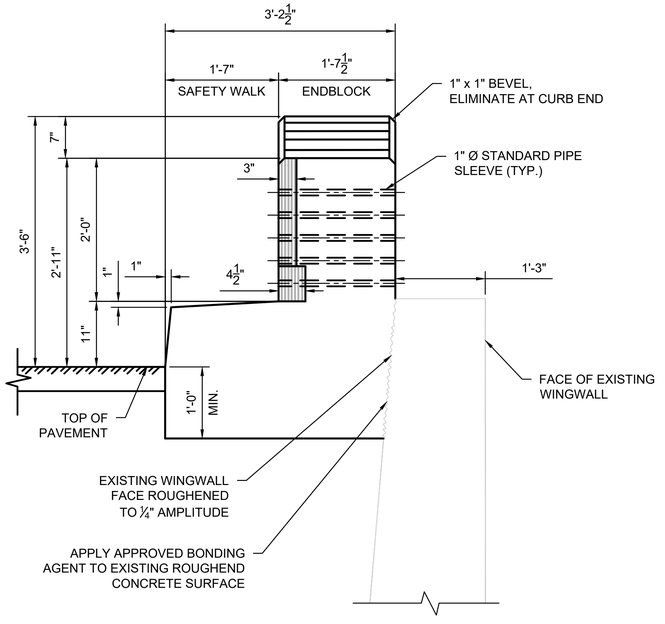
SECTION A-A

SCALE: 1" = 1'-0"



ENDBLOCK MODIFICATION ELEVATION

SCALE: ¼" = 1'-0"



SECTION B-B

SCALE: 1" = 1'-0"

NOTES:

1. EXISTING BRIDGE COMPONENTS SHOWN HEREON ARE TAKE FROM RECORD PLANS PROVIDED BY THE CITY OF BRISTOL AND NOT A FIELD SURVEY. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, SLOPES, ELEVATIONS, ANGLES AND EXISTING CONDITIONS BEFORE PROCEEDING WITH ANY WORK.
2. CONCRETE FOR THE ENDBLOCK SHALL BE CLASS PCC04462.
3. THE REINFORCEMENT SHALL CONFORM TO ASTM A615, GRADE 60 AND BE HOT-DIP GALVANIZED.
4. THE 1 IN. DIAMETER PIPE SHALL CONFORM TO ASTM A53, GRADE B OR ASTM A501 AND SHALL BE GALVANIZED IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM A123.
5. EXISTING CONCRETE SURFACES SHALL BE INTENTIONALLY ROUGHENED PER ACI SPECIFICATIONS TO ACHIEVE A MAXIMUM OF ¼" AMPLITUDE.
6. BONDING AGENT SHALL BE APPLIED TO THE EXISTING HARDENED CONCRETE SURFACES. CONTRACTOR TO SUBMIT PROPOSED BONDING AGENT FOR REVIEW AND APPROVAL BY THE ENGINEER.
7. PREFORMED JOINT SEAL SHALL BE ADDED BETWEEN THE EXISTING BRIDGE PARAPET AND PROPOSED ENDBLOCK AND SAFETY WALK.

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457

FILENAME: S-08 BRIDGE ATTACHMENT DETAILS.DWG

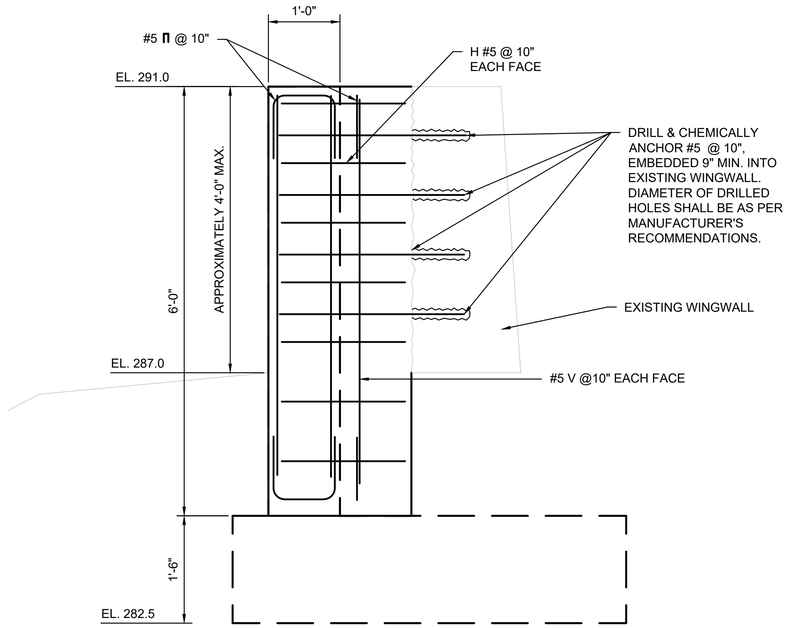
SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS AT SHRUB ROAD

TOWN: **BRISTOL, CT**

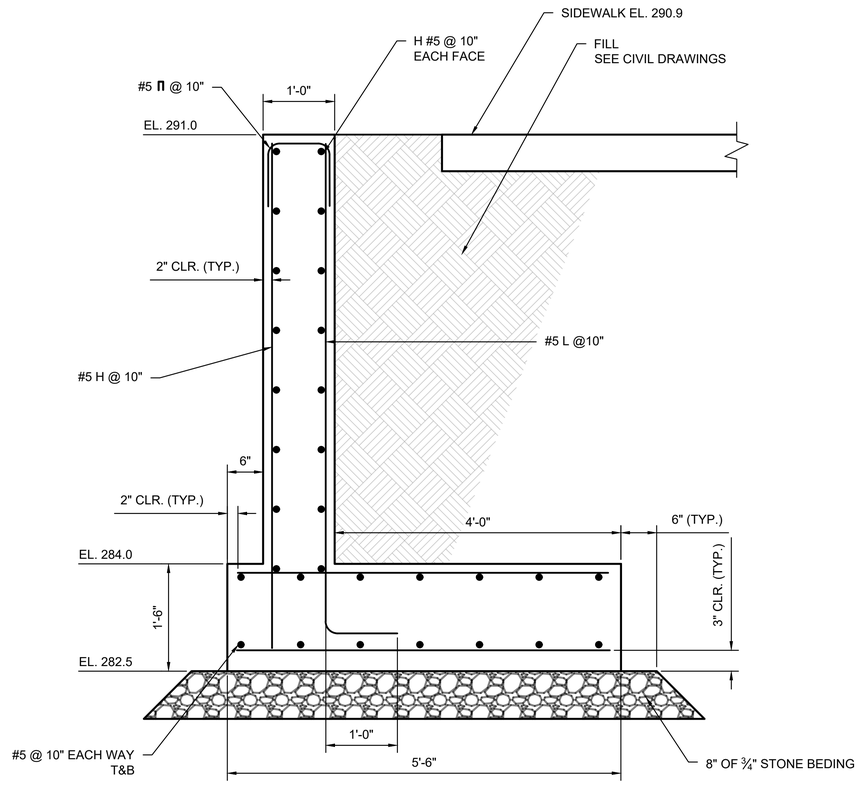
DRAWING TITLE: THRIE-BEAM BRIDGE ATTACHMENT DETAILS

PROJECT NO. 3401
DRAWING NO. S-08
SHEET NO.



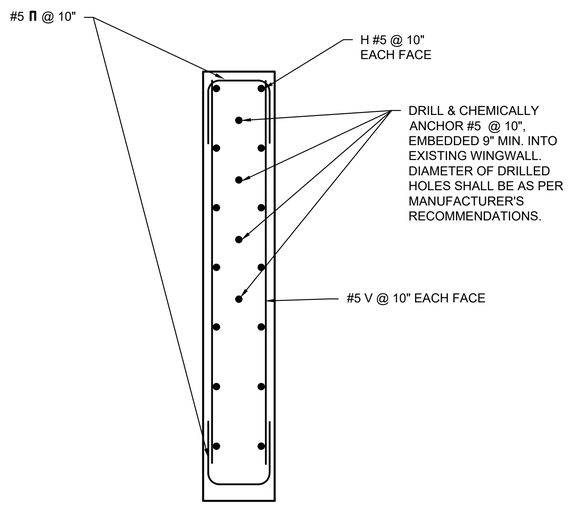
SECTION A-A

SCALE: 1" = 1'-0"



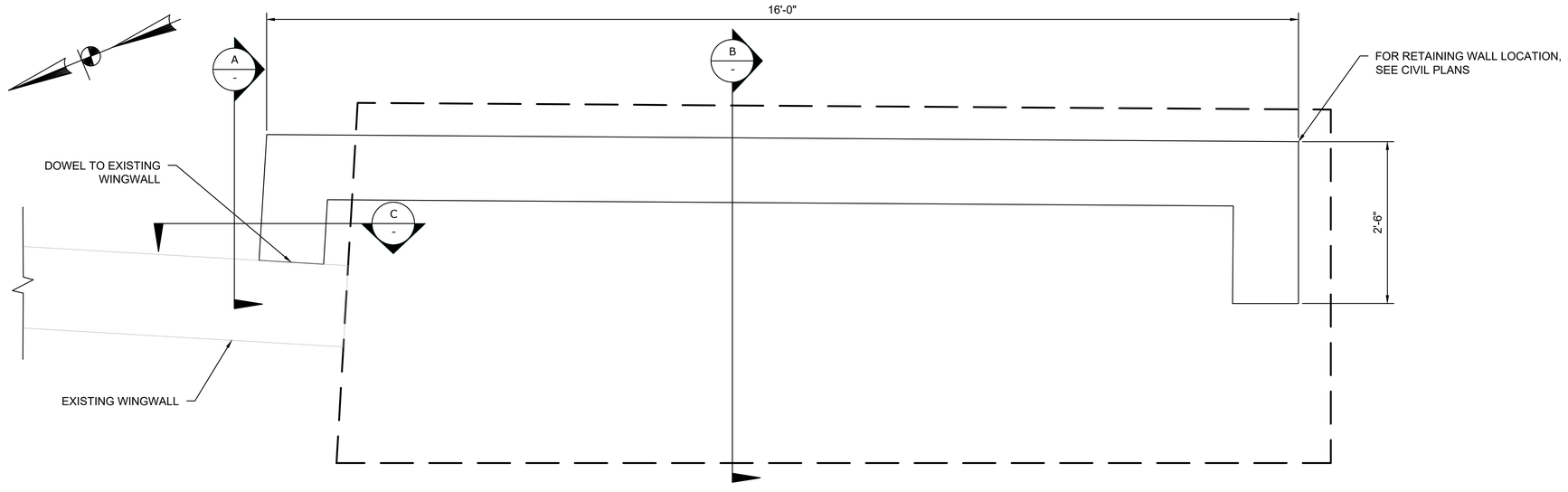
SECTION B-B

SCALE: 1" = 1'-0"



SECTION C-C

SCALE: 1" = 1'-0"



RETAINING WALL PLAN

SCALE: 1" = 1'-0"

NOTES:

1. EXISTING BRIDGE COMPONENTS SHOWN HEREON ARE TAKE FROM RECORD PLANS PROVIDED BY THE CITY OF BRISTOL AND NOT A FIELD SURVEY. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, SLOPES, ELEVATIONS, ANGLES AND EXISTING CONDITIONS BEFORE PROCEEDING WITH ANY WORK.
2. CONCRETE SHALL BE CLASS PCC03340.
3. THE REINFORCEMENT SHALL CONFORM TO ASTM A615, GRADE 60 AND SHALL BE EPOXY COATED TO THE REQUIREMENTS OF ASTM D3963.
4. EXISTING CONCRETE SURFACES SHALL BE INTENTIONALLY ROUGHENED PER ACI SPECIFICATIONS TO ACHIEVE A MAXIMUM OF ¼" AMPLITUDE.
5. BONDING AGENT SHALL BE APPLIED TO THE EXISTING HARDENED CONCRETE SURFACES. CONTRACTOR TO SUBMIT PROPOSED BONDING AGENT FOR REVIEW AND APPROVAL BY THE ENGINEER.
6. UNLESS OTHERWISE SPECIFIED, CLEAR COVER SHALL BE 2".

REV.	DATE	REVISION DESCRIPTION	SHEET NO.

PLOTTED DATE:

DRAFTER: SS
DESIGNER: SS
CHECKED BY: MG
APPROVED BY: RP

ENGINEER:
AI Engineers
919 MIDDLE STREET
MIDDLETOWN, CT 06457

FILENAME: S-09 PROPOSED RETAINING WALLS.DWG

SIGNATURE/ BLOCK:

PROJECT TITLE:
CITY OF BRISTOL
INSTALLATION OF SIDEWALKS AT SHRUB ROAD

TOWN: **BRISTOL, CT**

DRAWING TITLE: PROPOSED RETAINING WALL

PROJECT NO. 3401
DRAWING NO. S-09
SHEET NO.

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

**REVISED OR ADDED

✓*	SHEET NO.	TITLE	APPROVAL DATE**
✓	HW-211_01	ANTI-TRACKING PAD	11-09-22
✓	HW-286_01	DRAINAGE TRENCH EXCAVATION	11-09-22
	HW-505 01a	STRAIGHT ENDWALLS	02-28-24
	HW-505 01b	STEEL REINFORCING FOR STRAIGHT ENDWALLS (2" DIFF BASE TO FLOW LINE)	01-05-24
	HW-505 01c	STEEL REINFORCING FOR STRAIGHT ENDWALLS (STANDARD RIPRAP APPLICATION)	01-05-24
	HW-505_02	TYPE "D-G" & "L" ENDWALLS	01-05-24
✓	HW-586_01	CATCH BASIN AND DROP INLET TYPES "C" AND "C-L" STRUCTURES	01-05-24
✓	HW-586_02	CATCH BASIN (TYPES "C" AND "C-L") FOR DOUBLE GRATE TYPE I STRUCTURES	01-05-24
	HW-586_03	CATCH BASIN (TYPES "C" AND "C-L") FOR DOUBLE GRATE TYPE II STRUCTURES	01-05-24
✓	HW-586_04	PRECAST CATCH BASIN AND ROUND STRUCTURE	10-17-24
✓	HW-586_05	PRECAST CATCH BASIN TYPES FOR DOUBLE GRATE TYPE I	10-17-24
	HW-586_06	PRECAST CATCH BASIN TYPES FOR DOUBLE GRATE TYPE II	10-17-24
✓	HW-586 07a	CATCH BASIN TYPE "C" AND "C-L" TOPS	01-05-24
✓	HW-586 07b	CATCH BASIN TYPE "C" AND "C-L" DOUBLE GRATE TYPE I TOPS	11-09-22
	HW-586 07c	CATCH BASIN TYPE "C" AND "C-L" DOUBLE GRATE TYPE II TOPS	11-08-22
	HW-586 07d	CATCH BASIN TYPE "C-G" AND "C-M" BARRIER CURB TOPS	11-09-22
✓	HW-586_08	CATCH BASIN FRAMES AND GRATES	11-09-22
	HW-586_09	CATCH BASIN LOCK DOWN TOPS	11-09-22
✓	HW-586_10a	MANHOLE FRAME AND COVER	01-05-24
✓	HW-586_10b	MANHOLE FRAME AND GRATE	01-05-24
✓	HW-586_10c	REINFORCED PRECAST CONCRETE MANHOLE	11-08-22
	HW-586_10d	MANHOLE NON-PRECAST CONCRETE UNIT	11-08-22
	HW-686_01a	CONCRETE PIPE CONNECTION SHEET 1	11-08-22
	HW-686_01b	CONCRETE PIPE CONNECTION SHEET 2	11-08-22
	HW-686_02a	DRAINANGE PIPE ENDS SHEET 1 [CORRUGATED METAL PIPE]	11-08-22
	HW-686_02b	DRAINAGE PIPE ENDS SHEET 2 [CONCRETE PIPE]	11-08-22
	HW-751_01	UNDERDRAINS AND UNDERDRAIN OUTLETS	10-17-24
✓	HW-803_01	PAVED APRONS	11-08-22
	HW-811_01	CONCRETE CURBING	11-08-22
	HW-813_01	GRANITE STONE TRANSITION CURBING	11-08-22
	HW-813_02	STONE CURBING	11-08-22
✓	HW-815_01	BITUMINOUS CONCRETE CURBING	11-08-22

✓*	SHEET NO.	TITLE	APPROVAL DATE**
	HW-821_01a	TRANSITION - 45" F-SHAPE TO 45" VERTICAL SHAPE SHEET 1	11-08-22
	HW-821_01b	TRANSITION - 45" F-SHAPE TO 45" VERTICAL SHAPE SHEET 2	11-08-22
	HW-821_01c	TRANSITION - 45" F-SHAPE TO 45" VERTICAL SHAPE SHEET 3	11-08-22
	HW-821_02a	45" F-SHAPE PRECAST CONCRETE BARRIER CURB SHEET 1	11-08-22
	HW-821_02b	45" F-SHAPE PRECAST CONCRETE BARRIER CURB SHEET 2	11-08-22
	HW-821_03a	TRANSITION - 32" JERSEY SHAPE TO 45" VERTICAL SHAPE SHEET 1	11-08-22
	HW-821_03b	TRANSITION - 32" JERSEY SHAPE TO 45" VERTICAL SHAPE SHEET 2	11-08-22
	HW-821_03c	TRANSITION - 32" JERSEY SHAPE TO 45" VERTICAL SHAPE SHEET 3	11-08-22
	HW-821_03d	TRANSITION - 32" JERSEY SHAPE TO 45" VERTICAL SHAPE SHEET 4	11-08-22
	HW-821_03e	TRANSITION - 32" JERSEY SHAPE TO 45" F-SHAPE	11-08-22
	HW-821_04a	MERRITT PARKWAY NARROW MEDIAN BARRIER	11-08-22
	HW-821_04b	MERRITT PARKWAY - 2' WIDE MEDIAN BARRIER AND ROADSIDE BARRIER	11-08-22
	HW-821_05a	TRANSITION - 45" F-SHAPE TO 54" VERTICAL SHAPE SHEET 1	11-08-22
	HW-821_05b	TRANSITION - 45" F-SHAPE TO 54" VERTICAL SHAPE SHEET 2	11-08-22
	HW-821_06	54" VERTICAL SHAPE BARRIER	11-08-22
	HW-821_07	MISCELLANOUS DETAILS FOR BARRIER TRANSITIONS	11-08-22
	HW-821_08a	F-SHAPE CONC. BARRIER CURB (21"x45") TRANSITION FOR THRIE-BEAM	10-17-24
	HW-821_08b	F-SHAPE CONC. BARRIER CURB (21"x45") TRANSITION FOR THRIE-BEAM - REINF.	11-08-22
	HW-821_09a	SINGLE SLOPE CONC. BARRIER CURB (20"x42") TRANS. FOR THRIE-BEAM	11-08-22
	HW-821_09b	SINGLE SLOPE CONC. BARRIER CURB (20"x42") TRANS. FOR THRIE-BEAM - REINF.	11-08-22
	HW-821_10a	VERTICAL FACE CONC. (21"x54") TRANSITION FOR THRIE-BEAM	11-08-22
	HW-821 10b	VERTICAL FACE CONC. (21"x54") TRANSITION FOR THRIE-BEAM REINF.	11-08-22
	HW-821_11a	42" SINGLE SLOPE PRECAST CONCRETE BARRIER CURB -SHEET 1	01-05-24
	HW-821_11b	42" SINGLE SLOPE PRECAST CONCRETE BARRIER CURB -SHEET 2	01-05-24
	HW-822_01	TEMPORARY PRECAST CONCRETE BARRIER CURB	11-08-22
	HW-822 02a	TEMPORARY TRAFFIC BARRIER - DETAILS	11-08-22
	HW-822 02b	TEMPORARY TRAFFIC BARRIER (BOLTED)	10-17-24
	HW-822 02c	TEMPORARY TRAFFIC BARRIER & TEMPORARY TRAFFIC BARRIER (PINNED)	10-17-24
	HW-905_01	STONE WALL FENCE	11-09-22
	HW-906_01	WIRE FENCE	11-08-22

NOT TO SCALE

SIGNATURE BLOCK:
OFFICE OF ENGINEERING
2800 BERLIN TURNPIKE
NEWINGTON, CT 06111

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

CTDOT STANDARD SHEET

STANDARD SHEET TITLE:
HIGHWAY STANDARD SHEET INDEX

STANDARD SHEET NO.:
1 OF 2

PLOTTED DATE: 10/21/2024

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

**REVISED OR ADDED

✓*	SHEET NO.	TITLE	APPROVAL DATE**
	HW-910_01	W-BEAM METAL BEAM RAIL HARDWARE	11-08-22
	HW-910_02	METAL BEAM RAIL (TYPE R-B 350) GUIDERAIL	11-08-22
	HW-910_03	METAL BEAM RAIL (TYPE MD-B 350) GUIDERAIL	11-08-22
	HW-910_04	METAL BEAM RAIL (TYPE R-B 350) SYSTEMS 5, 5A, & 6	11-08-22
	HW-910_05	METAL BEAM RAIL R-B 350 SPAN TYPE I, II, III SECTIONS	11-08-22
	HW-910_06	R-B 350 BRIDGE ATTACHMENT SAFETY SHAPE PARAPET	11-08-22
	HW-910_07	R-B 350 BRIDGE ATTACHMENT VERTICAL SHAPE PARAPET	11-08-22
	HW-910 09a	MISCELLANEOUS GUIDERAIL TRANSITIONS SHEET 1	11-08-22
	HW-910 09b	MISCELLANEOUS GUIDERAIL TRANSITIONS SHEET 2	11-08-22
	HW-910 10	METAL BEAM RAIL 8" x 6" BOX BEAM	11-08-22
	HW-910 11	CURVED GUIDERAIL TREATMENT DETAIL	11-08-22
	HW-910_12a	MERRITT PARKWAY GUIDERAIL LEADING END ATTACHMENTS AND SYSTEMS 2&3	11-08-22
	HW-910_12b	MERRITT PARKWAY GUIDERAIL HARDWARE DETAILS	11-08-22
	HW-910_12c	MERRITT PARKWAY GUIDERAIL TRAILING END ATTACHMENTS	11-02-22
	HW-910_12d	MERRITT PARKWAY MEDIAN GUIDERAIL AND END ANCHOR	10-17-24
	HW-910_13a	THRIE-BEAM METAL BEAM RAIL HARDWARE	11-08-22
	HW-910_13b	THRIE-BEAM TRANSITIONS	11-08-22
	HW-910_14a	THRIE-BEAM 350 BRIDGE ATTACHMENT	11-08-22
	HW-910_14b	THRIE-BEAM 350 GUIDERAIL TRANSITION TO R-B 350 GUIDERAIL	11-08-22
	HW-910_15	MD-B 350 MEDIAN BARRIER SAFETY SHAPE ATTACHMENT TYPE I	11-08-22
	HW-910_16	MD-B 350 MEDIAN BARRIER SAFETY SHAPE ATTACHMENT TYPE II	11-08-22
	HW-910_17	R-B TERMINAL SECTION	11-08-22
	HW-910_18	METAL BEAM RAIL (TYPE MD-I) GUIDERAIL	11-08-22
	HW-910_19a	METAL BEAM RAIL (MODIFIED TYPE R-I) AND END ANCHORAGE TYPE I	10-17-24
	HW-910_19b	METAL BEAM RAIL (MODIFIED TYPE R-I) AND END ANCHORAGE TYPE II	10-17-24
	HW-910_19c	METAL BEAM RAIL (MODIFIED TYPE R-I) SYSTEMS 2 AND 3	11-08-22
✓	HW-910_20	MASH W-BEAM HARDWARE	10-17-24
✓	HW-910_21	METAL BEAM RAIL (R-B MASH) GUIDERAIL	01-05-24
	HW-910_22	METAL BEAM RAIL (MD-B MASH) GUIDERAIL	11-08-22
	HW-910_23	METAL BEAM RAIL (R-B MASH) HALF & QUARTER POST SPACING GUIDERAIL	11-08-22
	HW-910_24	METAL BEAM RAIL SPAN SECTION TYPES II AND III	11-08-22

✓*	SHEET NO.	TITLE	APPROVAL DATE**
	HW-910_25a	METAL BEAM RAIL TRANSITION 350 TO MASH	10-17-24
	HW-910_25b	METAL BEAM RAIL MEDIAN APPLICATION TRANSITION 350 TO MASH GUIDERAIL	01-05-24
	HW-910_26	THRIE-BEAM ATTACHMENT HARDWARE	11-08-22
✓	HW-910_27	THRIE-BEAM ATTACHMENT	11-08-22
	HW-910_29	THRIE-BEAM BRIDGE ATTACHMENT TRAILING END	02-02-24
	HW-911_01	R-B END ANCHORAGE TYPE I AND II	10-17-24
	HW-911_02	MD-B END ANCHORAGE TYPE I	10-17-24
✓	HW-911_03	ANCHOR IN EARTH CUT SLOPE & ANCHOR IN ROCK CUT SLOPE	01-05-24
	HW-911_05	MERRITT PARKWAY GUIDERAIL END ANCHORS	11-08-22
	HW-913_01a	CHAIN LINK FENCE	11-08-22
	HW-913_01b	CHAIN LINK FENCE HARDWARE	11-08-22
	HW-913_02	CHAIN LINK FENCE GATES	11-08-22
	HW-918_01a	THREE CABLE GUIDERAIL (I-BEAM POSTS) SHEET 1	11-08-22
	HW-918_01b	THREE CABLE GUIDERAIL (I-BEAM POSTS) SHEET 2	11-08-22
	HW-918_01c	THREE CABLE GUIDERAIL (I-BEAM POSTS) SHEET 3	11-08-22
✓	HW-921_01	CONCRETE SIDEWALKS	11-08-22
✓	HW-922_01	BITUMINOUS CONCRETE SIDEWALK AND BITUMINOUS CONCRETE DRIVEWAY	11-08-22
	HW-924_01	CONCRETE DRIVEWAY RAMPS	10-17-24
	HW-930_01	OBJECT MARKER (MAINTENANCE)	10-17-24
	HW-949_01a	LANDSCAPE PLANTING	11-09-22
	HW-949_01b	TREE STAKING	11-02-22
	HW-1800_01	GRADING PLAN FOR IMPACT ATTENUATION SYSTEMS (FLARED AND TANGENTIAL)	10-17-24
	HW-1800 02	GRADING PLAN FOR IMPACT ATTENUATION SYSTEMS (MEDIAN/GORE)	10-17-24

NOT TO SCALE

SIGNATURE BLOCK:
OFFICE OF ENGINEERING
2800 BERLIN TURNPIKE
NEWINGTON, CT 06111

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

CTDOT STANDARD SHEET

STANDARD SHEET TITLE:
HIGHWAY STANDARD SHEET INDEX

STANDARD SHEET NO.:
2 OF 2

PLOTTED DATE: 10/21/2024

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

****REVISED OR ADDED**

	SHEET NO.	TITLE	APPROVAL DATE**
☐	TR-1000_01	GENERAL CLAUSES (TEST PROCEDURES)	1/2014
☐	TR-1001_01	TRENCHING & BACKFILLING, ELECTRICAL CONDUIT	2/2024
☐	TR-1002_01	TRAFFIC CONTROL FOUNDATIONS	2/2024
☐	TR-1010_01	CONCRETE HANDHOLE	2/2024
☐	TR-1102_01	PEDESTALS, PEDESTRIAN SIGNALS	4/2012
☐	TR-1105_01	TRAFFIC SIGNALS AND CABLE ASSIGNMENTS	8/2018
☐	TR-1107_01	PEDESTRIAN PUSH BUTTON	8/2018
☐	TR-1108_01	CONTROLLERS	5/2013
☐	TR-1111_01	LOOP VEHICLE DETECTOR AND SAWCUT	4/2014
☐	TR-1113_01	CONTROL CABLE	4/2014
☐	TR-1114_01	BONDING & UTILITY POLE ATTACHMENT DETAILS, SIGN HANGER, "Y" CLAMP DETAILS	8/2018
☐	TR-1205_01	DELINEATION, DELINEATOR AND OBJECT MARKER DETAILS	8/2018
X	TR-1208_01	SIGN PLACEMENT AND RETROREFLECTIVE STRIP DETAILS	8/2018
X	TR-1208_02	METAL SIGN POSTS AND SIGN MOUNTING DETAILS	6/2017
X	TR-1210_04	PAVEMENT MARKINGS LINES AND SYMBOLS	8/2018
☐	TR-1210_05	PAVEMENT MARKINGS FOR DIVIDED HIGHWAYS	4/2017
☐	TR-1210_06	PAVEMENT MARKINGS FOR DIVIDED HIGHWAYS	8/2018
☐	TR-1210_07	PAVEMENT MARKINGS FOR EXIT RAMPS	4/2017
X	TR-1210_08	PAVEMENT MARKINGS FOR NON FREEWAYS	8/2018
☐	TR-1210_09	PAVEMENT MARKINGS FOR BICYCLE LANES, PARKING STALLS, AND RR CROSSINGS	4/2017
☐	TR-1220_01	SIGNS FOR CONSTRUCTION AND PERMIT OPERATIONS	8/2018
☐	TR-1220_02	CONSTRUCTION SIGN SUPPORTS AND CHANNELIZING DEVICES	8/2018

STANDARD SHEETS SHALL BE USED WITH STANDARD SPECIFICATIONS

	NOT TO SCALE	SIGNATURE BLOCK: OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111	SUBMITTED BY:	APPOVED BY:	STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION	CTDOT STANDARD SHEET	STANDARD SHEET TITLE: **TRAFFIC STANDARD SHEET INDEX**	STANDARD SHEET NO.: **TR-STD_INDEX**

DRAWING NO.	TITLE	DATE*
	CTDOT BOUNDARY MARKER	12-22
	CONCRETE WASHOUT AREA	12-22
X	SEDIMENTATION CONTROL SYSTEMS	12-22
	SEDIMENTATION CONTROL DOUBLE ROLL SYSTEMS SHEET 1	01-24
	SEDIMENTATION CONTROL DOUBLE ROLL SYSTEMS SHEET 2	01-24
	EROSION CONTROL MATTING AND TEMPORARY SLOPE DRAIN	01-24
X	EROSION CONTROL MEASURES AT CATCH BASINS (HAY BALE, FABRIC FENCE, CHECK DAM)	12-22
X	EROSION CONTROL MEASURES AT CATCH BASINS (FIBER ROLL AND SILT SACK)	12-22
	FIBER ROLL CHECK DAM	12-22
	TEMPORARY STONE CHECK DAM	12-22
	PERMANENT STONE CHECK DAM FOR WATER QUALITY TREATMENT	12-22
	UNDERDRAIN AND DRAINAGE PIPE IN THE SAME TRENCH	01-24
	TRACK OUT MAT SYSTEM AND ANT-TRACKING PAD	12-22
	ROUNDABOUT TRUCK APRON - GENERAL DESIGN SHEET 1 OF 3	01-24
	ROUNDABOUT TRUCK APRON - REINFORCEMENT AND HARDWARE SHEET 2 OF 3	01-24
	ROUNDABOUT TRUCK APRON - REINFORCEMENT AND HARDWARE SHEET 3 OF 3	01-24
	CONCRETE PAVEMENT EXPANSION AND CONTRACTION JOINTS	12-22
	CONCRETE PAVEMENT REPLACEMENT FOR ROADWAY (FULL DEPTH) SHEET 1 OF 2	12-22
	CONCRETE PAVEMENT REPLACEMENT FOR ROADWAY (FULL DEPTH) SHEET 2 OF 2	12-22
X	PAVEMENT REPAIR	12-22
	TEMPORARY PAVEMENT TRANSITIONS AT STRUCTURES AND LONGITUDINAL JOINTS	12-22
	TEMPORARY PAVEMENT TRANSITIONS AT BRIDGES AND MILLING OF PAVEMENT	12-22
	PERMANENT PAVEMENT TRANSITIONS FOR ROADWAY SURFACE	12-22
	PERMANENT PAVEMENT TRANSITIONS AT BRIDGE OVERPASSES	12-22
	PRESSURE RELIEF JOINT	12-22
	WING ENDWALL UNIT	01-24
	STEEL REINFORCING FOR WING ENDWALL UNIT (FOR 12",15",18" AND 24" RCP UNITS)	01-24
	STEEL REINFORCING FOR WING ENDWALL UNIT (FOR 30",36",42" AND 48" RCP UNITS)	01-24
	PRECAST WINGWALL TO ENDWALL CONNECTION DETAILS	01-24
	ENDWALL FOR PIPE ARCH	01-24
	ENDWALL STEEL REINFORCING FOR PIPE ARCH	12-22

DRAWING NO.	TITLE	DATE*
	WING ENDWALL FOR PIPE ARCH	01-24
	WING ENDWALL STEEL REINFORCING FOR PIPE ARCH (11x18,13x22,18x29&22x36 SIZE UNITS)	12-22
	WING ENDWALL STEEL REINFORCING FOR PIPE ARCH (27x43,31x50 & 36x58 SIZE UNITS)	12-22
	PRECAST WING ENDWALL FOR PIPE ARCH CONNECTION DETAILS	12-22
	COATED CORRUGATED METAL PIPE (CCMP) COUPLING BANDS AND FITTINGS	12-22
	COATED CORRUGATED METAL PIPE (CCMP) COUPLING BANDS WITH NEOPRENE GASKET	12-22
	PAVED DITCHES AND PAVED CHANNELS	12-22
	WIRE FENCE WITH GATES	12-22
X	CONCRETE SIDEWALK RAMP(S) ********** INDEX SHEET **********	01-24
X	CONCRETE SIDEWALK RAMPS SHEET 1	01-24
X	CONCRETE SIDEWALK RAMPS SHEET 2	01-24
X	CONCRETE SIDEWALK RAMPS SHEET 3	01-24
X	CONCRETE SIDEWALK RAMPS SHEET 4	10-24
X	CONCRETE SIDEWALK RAMPS SHEET 5	01-24
X	CONCRETE SIDEWALK RAMPS SHEET 6	01-24
X	CONCRETE SIDEWALK RAMPS SHEET 7	01-24
X	CONCRETE SIDEWALK RAMPS SHEET 8	01-24
X	CONCRETE SIDEWALK RAMPS SHEET 9	01-24
X	CONCRETE SIDEWALK RAMPS SHEET 10	10-24
X	CONCRETE SIDEWALK RAMPS SHEET 11	01-24

REVISION DESCRIPTION | DATE | REV.

DESIGNER/DRAFTER: CHECKED BY:

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2800 BERLIN TURNPIKE
NEWINGTON, CT 06111

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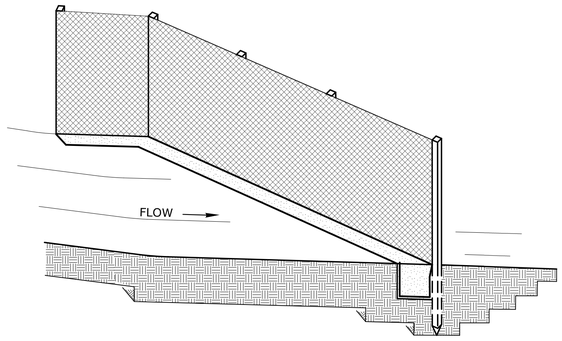
STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

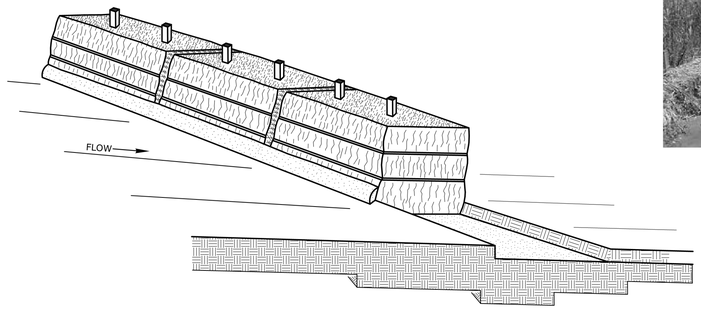
PROJECT NUMBER: 0000-0000
PROJECT DESCRIPTION: SAMPLE PROJECT DESCRIPTION
TOWN(S): SAMPLE TOWN(S)
DRAWING TITLE: INDEX OF HIGHWAY DESIGN GUIDE SHEETS

DRAWING NO.
SHEET NO.

LASTED SAVED BY: RichardEH **FILE NAME:** W:\CT_CONNECT_DDE\CT_Configuration\Organization\Cell\CTDOT_Borders_Contract.cel
PLOTTED DATE: 10/25/2024

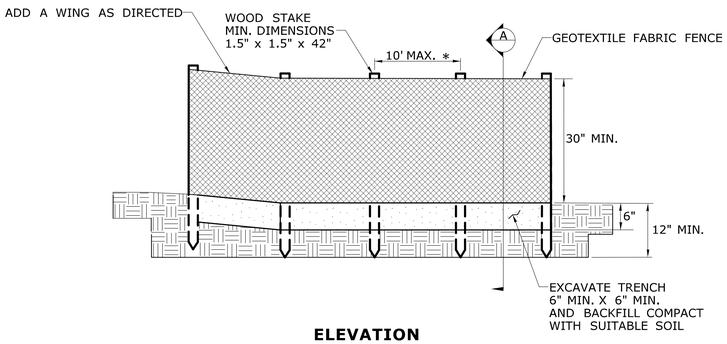


SEDIMENTATION CONTROL SYSTEM



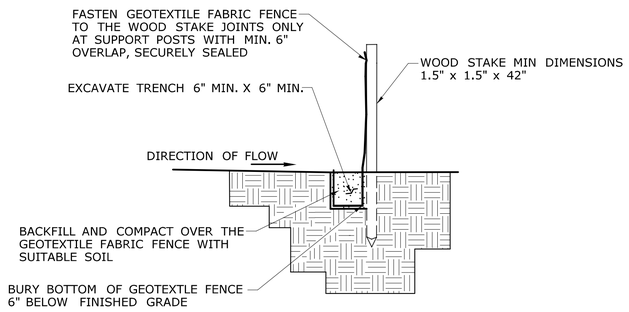
SEDIMENTATION CONTROL SYSTEM

INSTALL THE WING WHEN THE FENCE IS MORE THAN 4' FROM THE TOE OF SLOPE AND THE FENCE LINE GRADIENT IS 5% OR MORE

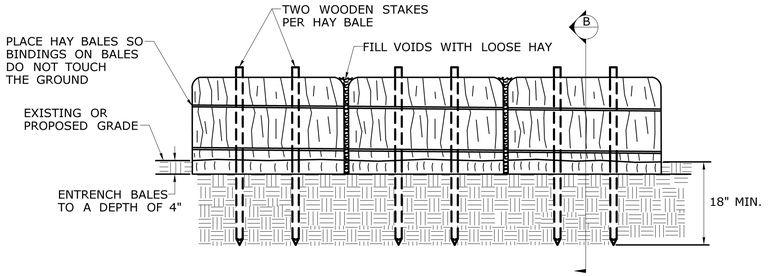


ELEVATION

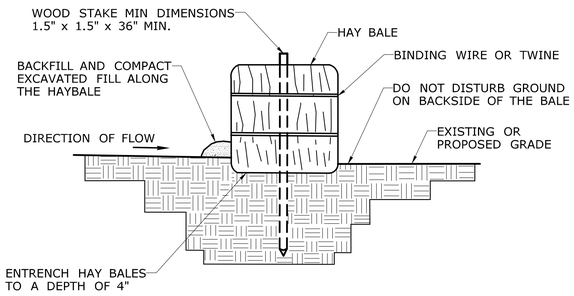
* FOR SLOPES STEEPER THAN 2:1 USE A 5' POST SPACING OR AS DIRECTED BY THE ENGINEER



SECTION A



ELEVATION



SECTION B

REV.	DATE	REVISION DESCRIPTION

DESIGNER/DRAFTER: CHECKED BY:

SIGNATURE/ BLOCK:

APPROVED BY:

OFFICE OF ENGINEERING
2800 BERLIN TURNPIKE
NEWINGTON, CT 06111

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT NUMBER: 0000-0000
PROJECT DESCRIPTION: SAMPLE PROJECT DESCRIPTION
TOWN(S): SAMPLE TOWN(S)
DRAWING TITLE: SEDIMENTATION CONTROL SYSTEMS

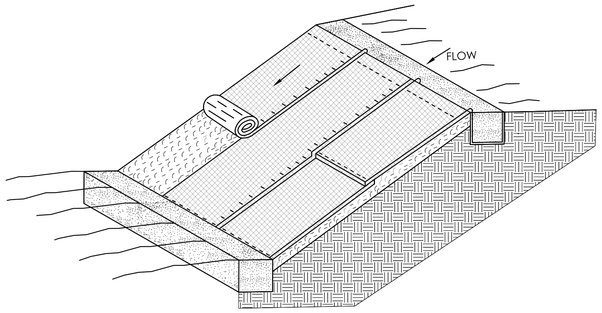
DRAWING NO.

SHEET NO.

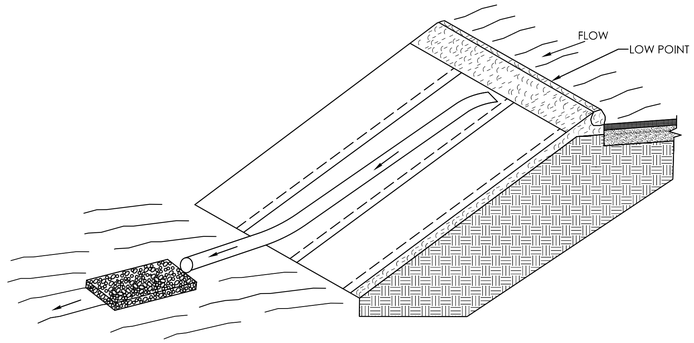
LASTED SAVED BY: RichardEH **FILE NAME:** W:\CT_CONNECT_DDE\CT_Configuration\Organization\Cell\CTDOT_Borders_Contract.cel
PLOTTED DATE: 11/23/2022

GENERAL NOTE:

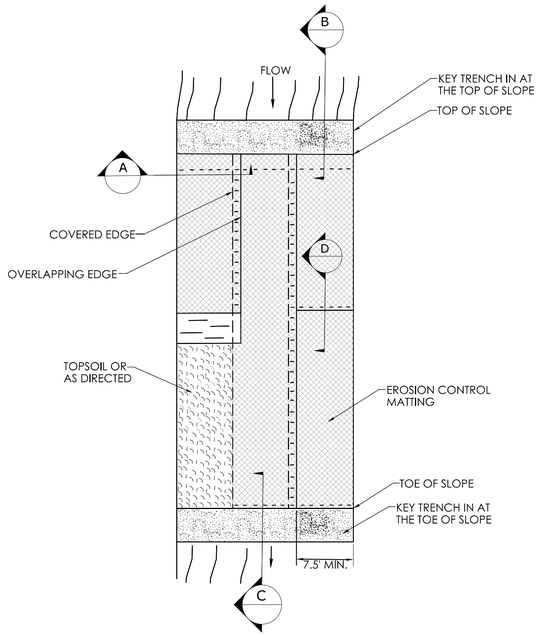
1. USE THE MINIMUM DIMENSIONS SHOWN OR AS RECOMMENDED BY THE MANUFACTURER



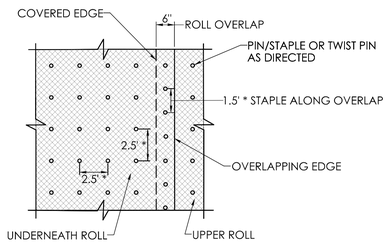
TYPICAL EROSION CONTROL MATTING



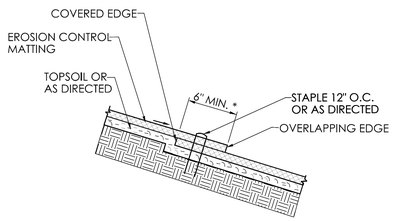
TEMPORARY SLOPE DRAIN



PLAN



STAPLE PATTERN
* SEE NOTE 1



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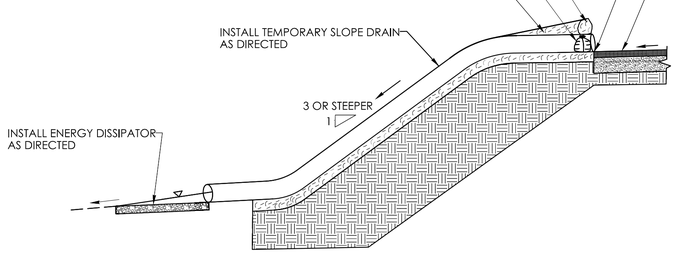

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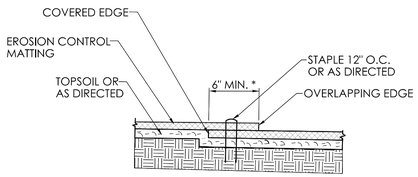
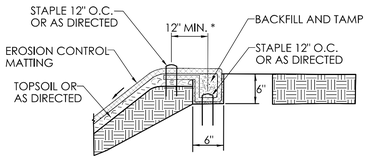
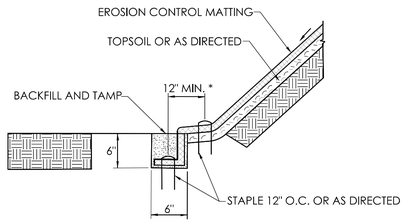


SECTION A



SECTION B

KEY IN TRENCH AT TOP OF SLOPE
* SEE NOTE 1



SECTION C

KEY TRENCH AT TOE OF SLOPE

REV.	DATE	REVISION DESCRIPTION

DESIGNER/DRAFTER: CHECKED BY:

SIGNATURE/ BLOCK: APPROVED BY:

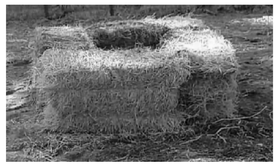
OFFICE OF ENGINEERING
2800 BERLIN TURNPIKE
NEWINGTON, CT 06111

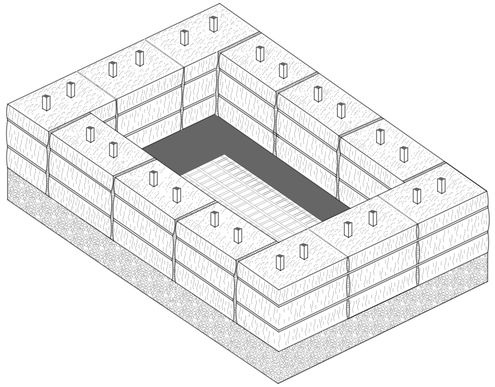
STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT NUMBER: 0000-0000
PROJECT DESCRIPTION: SAMPLE PROJECT DESCRIPTION
TOWN(S): SAMPLE TOWN(S)
DRAWING TITLE: EROSION CONTROL MATTING AND TEMPORARY SLOPE DRAIN

DRAWING NO.
SHEET NO.

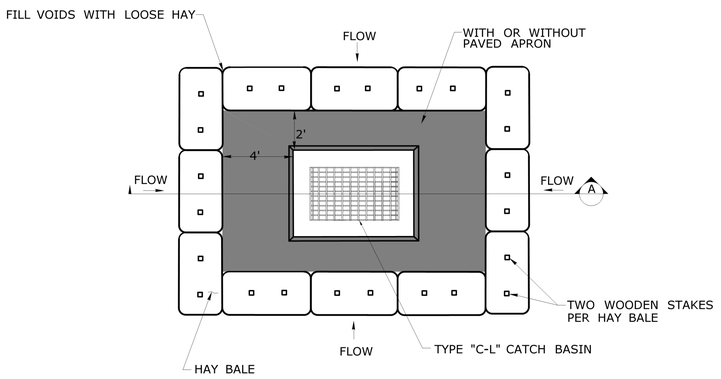
LASTED SAVED BY: RichardEH **FILE NAME:** W:\CT_CONNECT_DDE\CT_Configuration\Organization\Cell\CTDOT_Borders_Contract.cel
PLOTTED DATE: 1/10/2024



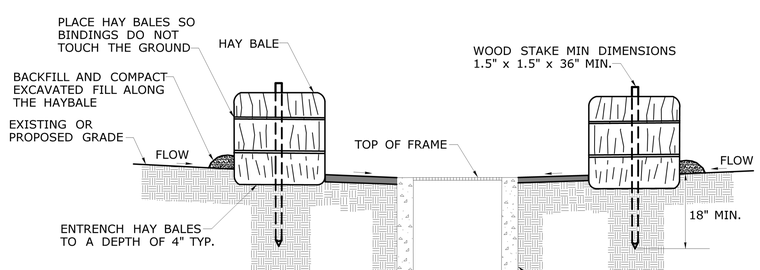


HAY BALES
AT TYPE "C-L" CATCH BASIN

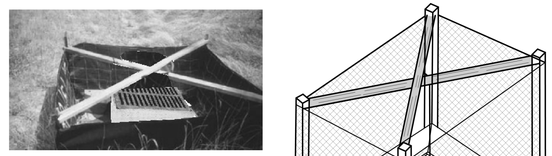
NOTE: THIS ITEM WILL BE MEASURED BY LINEAR FEET OF SEDIMENTATION CONTROL SYSTEM



PLAN
THIS DETAIL APPLIES TO OFF ROAD LOCATIONS

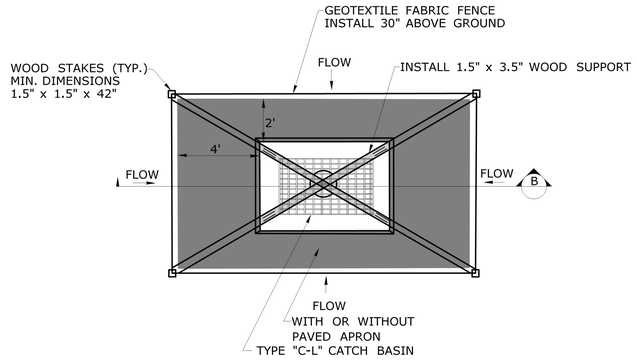


SECTION A

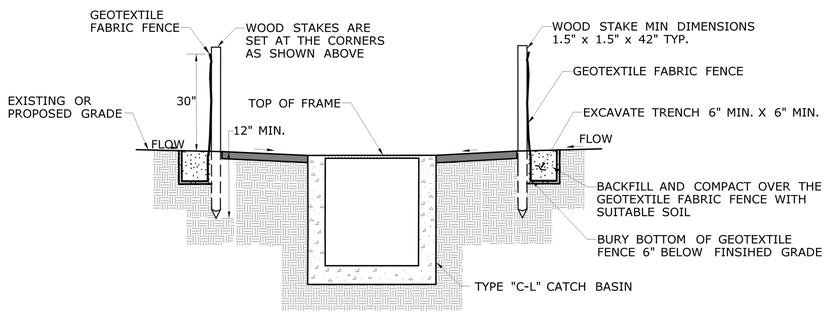


GEOTEXTILE FABRIC FENCE
AT TYPE "C-L" CATCH BASIN

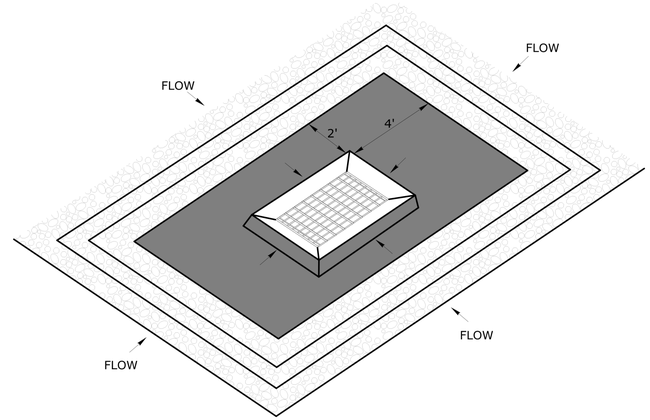
NOTE: THIS ITEM WILL BE MEASURED BY LINEAR FEET OF SEDIMENTATION CONTROL SYSTEM



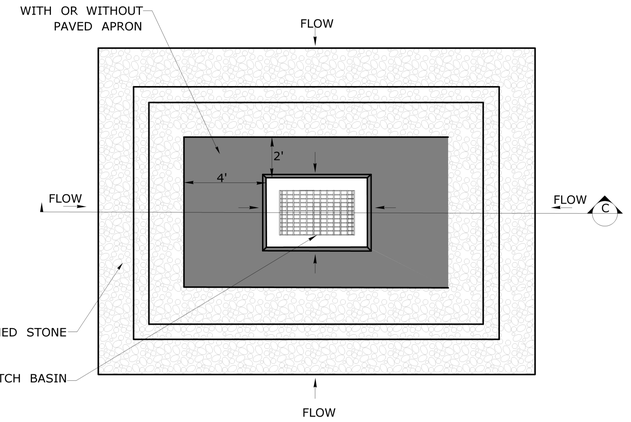
PLAN
THIS DETAIL APPLIES TO OFF ROAD LOCATIONS



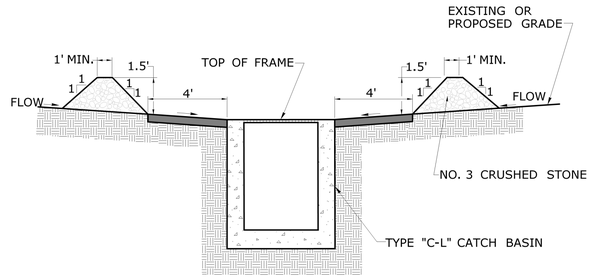
SECTION B



STONE CHECK DAM AT TYPE "C-L" CATCH BASIN



PLAN
THIS DETAIL APPLIES TO OFF ROAD LOCATIONS



SECTION C

REVISION DESCRIPTION | DATE | REV.

DESIGNER/DRAFTER: | CHECKED BY:

SIGNATURE/ BLOCK:

OFFICE OF ENGINEERING
2800 BERLIN TURNPIKE
NEWINGTON, CT 06111

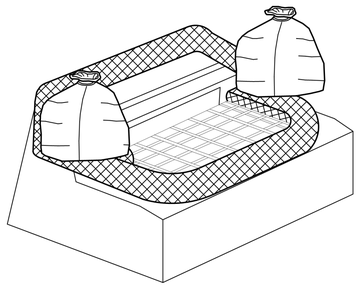
APPROVED BY:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT NUMBER: 0000-0000
PROJECT DESCRIPTION: SAMPLE PROJECT DESCRIPTION
TOWN(S): SAMPLE TOWN(S)
DRAWING TITLE: EROSION CONTROL MEASURES AT CATCH BASINS - HAY BALE, FABRIC FENCE AND STONE CHECK DAM

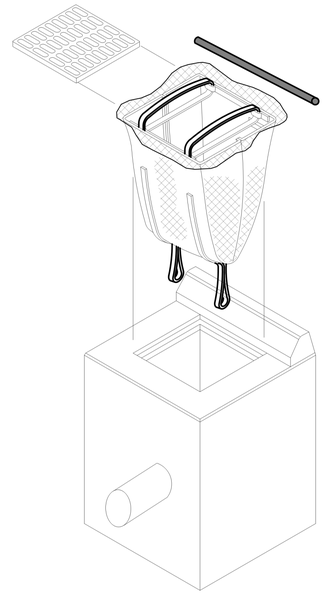
DRAWING NO.
SHEET NO.

LASTED SAVED BY: RichardEH **FILE NAME:** W:\CT_CONNECT_DDE\CT_Configuration\Organization\Cell\CTDOT_Borders_Contract.cel
PLOTTED DATE: 11/23/2022



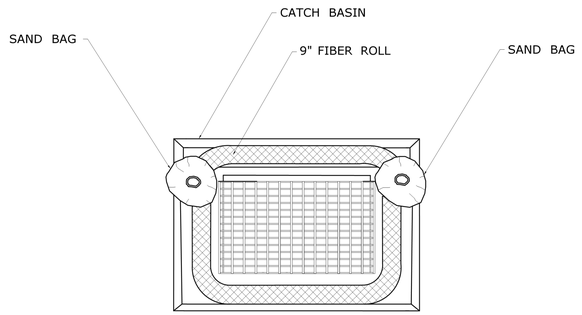
FIBER ROLL AROUND
TYPE "C" OR "C-L" CATCH BASIN TOP

NOTE: THIS ITEM WILL BE MEASURED BY EACH SEDIMENT CONTROL SYSTEM AT CATCH BASIN



INLET SEDIMENT CONTROL DEVICE
AT TYPE "C" OR "C-L" CATCH BASIN

NOTE: THIS ITEM WILL BE MEASURED BY EACH SEDIMENT CONTROL SYSTEM AT CATCH BASIN



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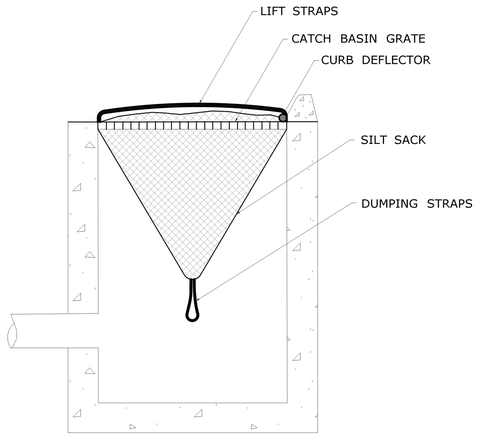

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REV. | DATE | REVISION DESCRIPTION

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2800 BERLIN TURNPIKE
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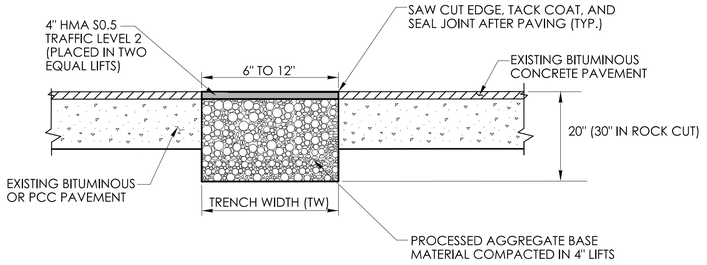
DEPARTMENT OF TRANSPORTATION

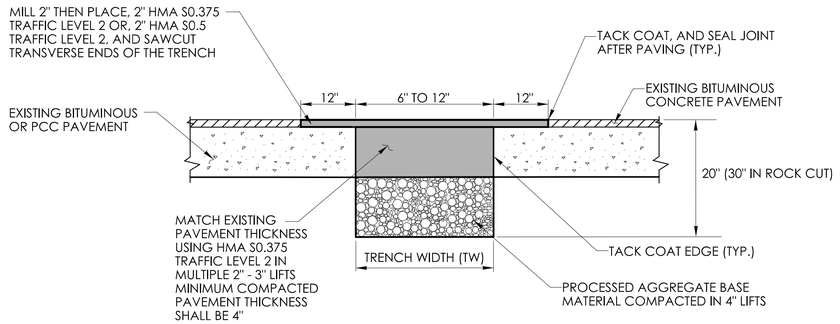
PROJECT NUMBER: 0000-0000
PROJECT DESCRIPTION: SAMPLE PROJECT DESCRIPTION
TOWN(S): SAMPLE TOWN(S)
DRAWING TITLE: EROSION CONTROL MEASURES AT CATCH BASINS - FIBER ROLL AND SILT SACK

DRAWING NO.
SHEET NO.

LASTED SAVED BY: RichardEH **FILE NAME:** W:\CT_CONNECT_DDE\CT_Configuration\Organization\Cell\CTDOT_Borders_Contract.cel
PLOTTED DATE: 11/23/2022



TEMPORARY PAVEMENT - FOR NARROW TRENCH THROUGH BITUMINOUS CONCRETE OR OVERLAID PORTLAND CEMENT CONCRETE (PCC) (TRENCH WIDTH BETWEEN 6" AND 12")



PERMANENT PAVEMENT - FOR NARROW TRENCH THROUGH BITUMINOUS CONCRETE OR OVERLAID PORTLAND CEMENT CONCRETE (PCC) (TRENCH WIDTH BETWEEN 6" AND 12"

GENERAL NOTES:

1. LONGITUDINAL TRENCHING FOR JOINTED CONCRETE PAVEMENT:

   A. IF THE LONGITUDINAL TRENCH FALLS BETWEEN THE SLAB CENTERLINE AND THE EDGE OF SLAB, REMOVE CONCRETE AND BITUMINOUS CONCRETE PAVEMENT FROM THE TRENCH EDGE TO THE EDGE OF ROAD. IF THE LONGITUDINAL TRENCH FALLS BETWEEN THE LONGITUDINAL JOINT AND THE SLAB CENTERLINE, REMOVE THE ENTIRE CONCRETE SLAB AND BITUMINOUS CONCRETE PAVEMENT TO THE EDGE OF ROAD. IN EITHER CASE REBUILD WITH THE FOLLOWING:

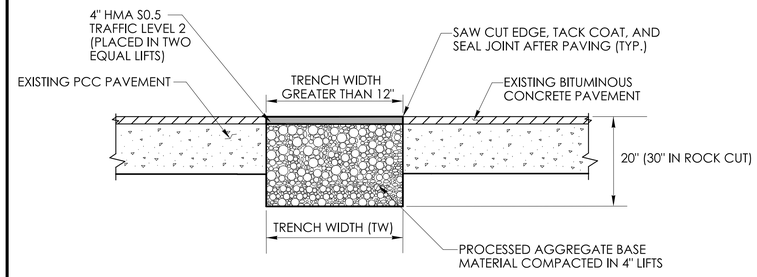
      a. PLACE HMA S1.0 TRAFFIC LEVEL 2 IN TWO EQUAL 4" - 5" LIFTS TO MATCH EXISTING CONCRETE PAVEMENT THICKNESS
      b. PLACE HMA S0.5 TRAFFIC LEVEL 2 IN 2" - 3" LIFTS TO MATCH EXISTING BITUMINOUS CONCRETE PAVEMENT THICKNESS, WITH THE FINAL LIFT BEING 2"

2. TRANSVERSE TRENCHING FOR JOINTED CONCRETE PAVEMENT:

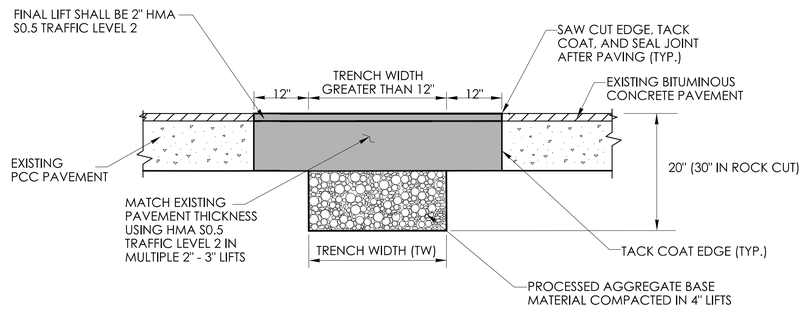
TABLE 1	
TOTAL SLAB LENGTH (L)	MIN. LENGTH REMAINING
40' OR LONGER	1/4 L
15' - 40'	10'
15' OR SHORTER	REBUILD TO NEAREST JOINT

   A. FOR TRANSVERSE TRENCHES, THE MINIMUM SLAB LENGTH AS SHOWN IN TABLE 1 SHALL BE LEFT IN PLACE TO THE NEAREST TRANSVERSE JOINT. IF THIS CRITERIA CANNOT BE MET, THE EXISTING SLAB AREA FROM THE TRENCH EDGE TO THE NEAREST TRANSVERSE JOINT SHALL BE REMOVED AND REBUILT AS FOLLOWS:

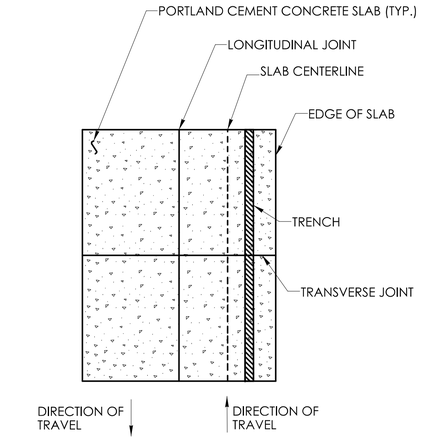
      a. PLACE HMA S1.0 TRAFFIC LEVEL 2 IN TWO EQUAL 4" - 5" LIFTS TO MATCH EXISTING CONCRETE PAVEMENT THICKNESS
      b. PLACE HMA S0.5 TRAFFIC LEVEL 2 IN 2" - 3" LIFTS TO MATCH EXISTING BITUMINOUS CONCRETE PAVEMENT THICKNESS, WITH THE FINAL LIFT BEING 2"



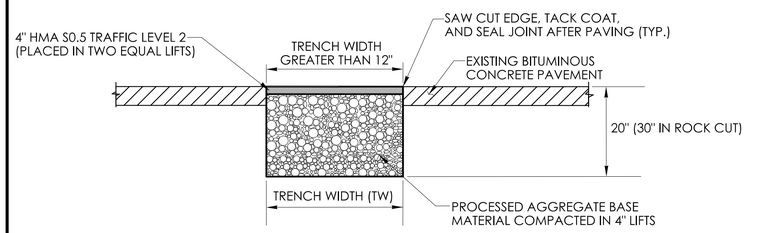
TEMPORARY PAVEMENT FOR TRENCH THROUGH OVERLAID PORTLAND CEMENT CONCRETE (PCC) (TRENCH WIDTH GREATER THAN 12")



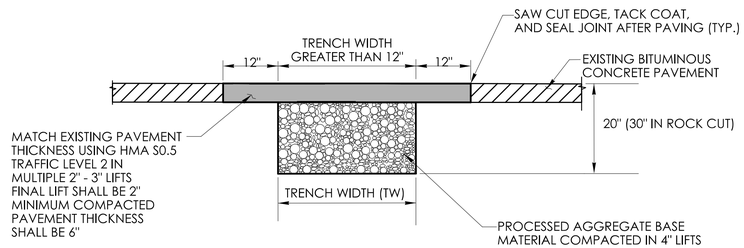
PERMANENT PAVEMENT FOR TRENCH THROUGH OVERLAID PORTLAN CEMENT CONCRETE (PCC) (TRENCH WIDTH GREATER THAN 12")



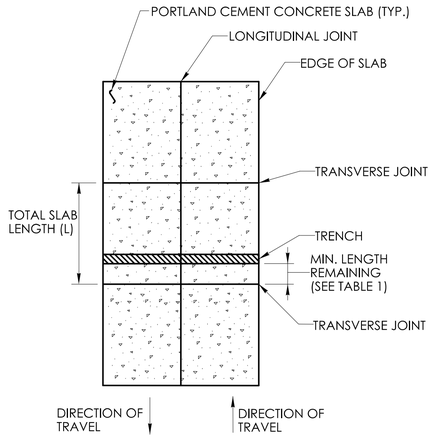
LONGITUDINAL TRENCHING FOR JOINTED CONCRETE PAVEMENT (SEE NOTE 1)



TEMPORARY PAVEMENT FOR TRENCH THROUGH BITUMINOUS CONCRETE (TRENCH WIDTH GREATER THAN 12")



PERMANENT PAVEMENT FOR TRENCH THROUGH BITUMINOUS CONCRETE



TRANSVERSE TRENCHING FOR JOINTED CONCRETE PAVEMENT (SEE NOTE 2)

REV.	DATE	REVISION DESCRIPTION

DESIGNER/DRAFTER: CHECKED BY:

SIGNATURE/ BLOCK:

OFFICE OF ENGINEERING
2800 BERLIN TURNPIKE
NEWINGTON, CT 06111

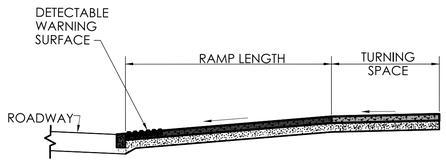
APPROVED BY:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT NUMBER: 0000-0000
PROJECT DESCRIPTION: SAMPLE PROJECT DESCRIPTION
TOWN(S): SAMPLE TOWN(S)
DRAWING TITLE: PAVEMENT REPAIR

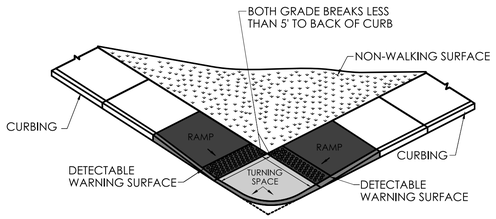
DRAWING NO.
SHEET NO.

LASTED SAVED BY: RichardEH **FILE NAME:** W:\CT_CONNECT_DDE\CT_Configuration\Organization\Cell\CTDOT_Borders_Contract.cel
PLOTTED DATE: 11/23/2022



BASIC RAMP ATTRIBUTES

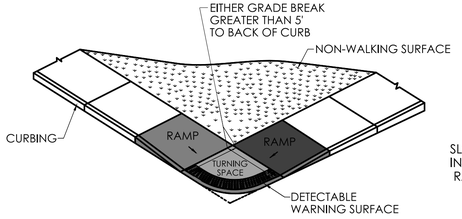
- PLAN VIEW OF RAMP COMPONENTS
- SECTION VIEW OF TYPICAL RAMP
- WHEELCHAIR CROSS-SLOPE CRITERIA
- RAMP WARPING DETAIL
- GUTTER COUNTER SLOPE DETAILS
- GRADE BREAK DETAILS



TWO DIRECTIONAL PERPENDICULAR RAMP(S) WITH GRADE BREAK TO BACK OF CURB OF 5' OR LESS

TYPE 1 SIDEWALK ABUTS ROADWAY

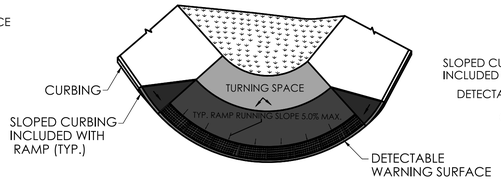
TYPE 3 SIDEWALK SEPARATED FROM ROADWAY WITH NONWALK AREA



TWO DIRECTIONAL PERPENDICULAR RAMP(S) WITH GRADE BREAK TO BACK OF CURB GREATER THAN 5'

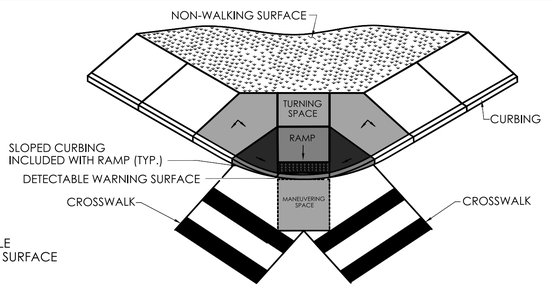
TYPE 2 SIDEWALK ABUTS ROADWAY

TYPE 4 SIDEWALK SEPARATED FROM ROADWAY WITH NONWALK AREA



BLENDED RAMP WITH TURNING SPACE AT THE TOP

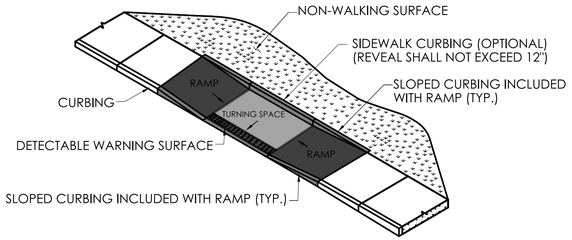
TYPE 5 SIDEWALK ABUTS ROADWAY



PERPENDICULAR RAMP(S) WITH STREET MANEUVERING SPACE

TYPE 6 TURNING SPACE OBSTRUCTION PRESENT

TYPE 7 NO TURNING SPACE OBSTRUCTION

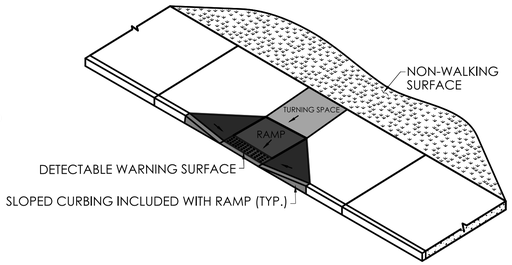


PARALLEL RAMP(S)

TYPE 9 TWO RAMP(S) APPROACH TO TURNING SPACE

TYPE 10a SINGLE RAMP WITH TURNING SPACE CONSTRAINED ON ONE SIDE

TYPE 10b SINGLE RAMP CONSTRAINED ON TWO (2) OR MORE SIDES



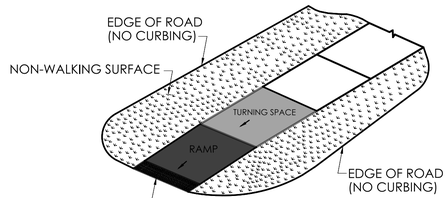
PERPENDICULAR RAMP(S)

TYPE 8 SINGLE RAMP TO TURNING SPACE CONSTRAINED ON ONE SIDE

TYPE 11 60" X 60" TURNING SPACE WITH NON-WALKABLE SURFACE

TYPE 12 60" X 60" TURNING SPACE WITH NON-WALKABLE SURFACE

TYPE 13 TURNING SPACE WITH NON-WALKABLE SURFACE



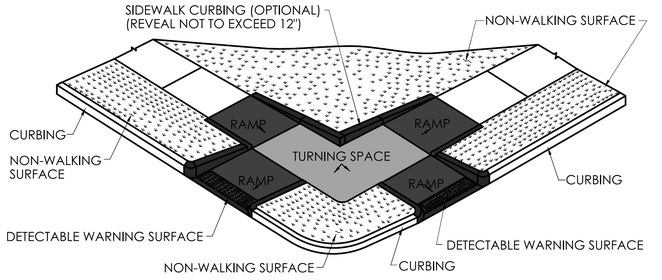
SINGLE DIRECTION PERPENDICULAR RAMP(S)

TYPE 14 TURNING SPACE GRADE BREAK GREATER THAN 5'

TYPE 15 TURNING SPACE GRADE BREAK 5 FT OR LESS

TYPE 16 RAMP WITH RETURN CURBING

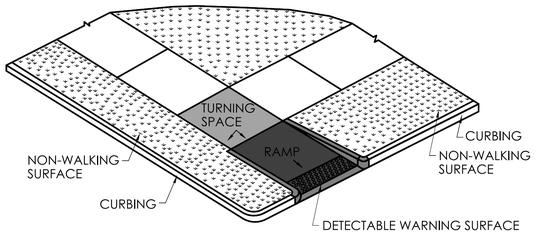
TYPE 17 RAMP WITH NO RETURN CURBING



PERPENDICULAR RAMP(S)

TYPE 18 EXAMPLE OF RAMP FLARE/CURB APPLICATIONS

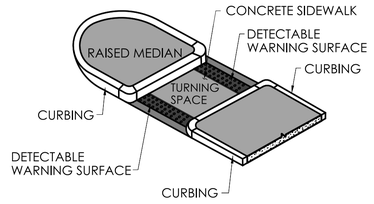
TYPE 19 COMBINATION SIDEWALK RAMPS



RESTRICTED PEDESTRIAN CROSSING SIDEWALK RAMP(S)

TYPE 20 SINGLE RAMP FROM TURNING SPACE

TYPE 21 TWO RAMP(S) TO TURNING SPACE



PEDESTRIAN REFUGE ISLAND(S)

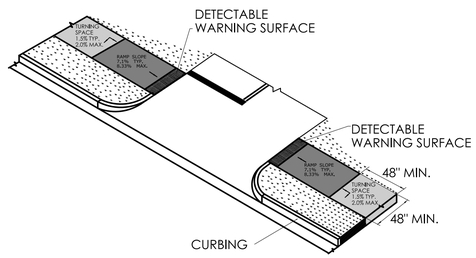
TYPE 22 ISLAND WIDTH 6 FT OR MORE

TYPE 23 ISLAND LESS THAN 6 FT WIDE

TYPE 24 REFUGE ISLAND WITH ELEVATED LANDING

TYPE 25 RIGHT TURN SLIP-LANE REFUGE ISLAND

TYPE 26 REFUGE ISLAND WITH OFFSET ACCESS



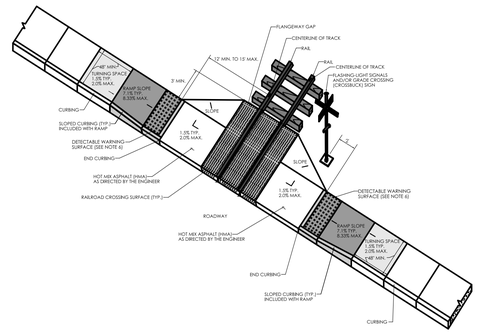
DRIVEWAY(S)

TYPE 29 DRIVEWAY SIGNALIZED, STOP CONTROLLED OR YIELD WITH DETECTABLE WARNING SURFACE AND NON WALKING SURFACE

TYPE 30 UNSIGNALIZED, NO STOP CONTROL OR YIELD DRIVEWAY CROSSING WITH NON WALKING SURFACE

TYPE 31 DRIVEWAY CROSSING SIGNALIZED, STOP CONTROL OR YIELD WITH DETECTABLE WARNING SURFACE

TYPE 32 UNSIGNALIZED, NO STOP CONTROL OR YIELD DRIVEWAY CROSSING



RAILROAD CROSSING RAMPS

TYPE 27 RAILROAD CROSSING WITHOUT GATE

TYPE 28 RAILROAD CROSSING WITH GATE

REV.	DATE	REVISION DESCRIPTION

SIGNATURE BLOCK:

DESIGNER/DRAFTER: CHECKED BY:

CTDOT CONNECTICUT DEPARTMENT OF TRANSPORTATION

PROJECT TITLE: **TEST PROJECT**

TOWN(S): **VARIOUS**

DRAWING TITLE: **CONCRETE SIDEWALK RAMP(S) ***INDEX SHEET*****

PROJECT NO.:

DRAWING NO.:

SHEET NO.:

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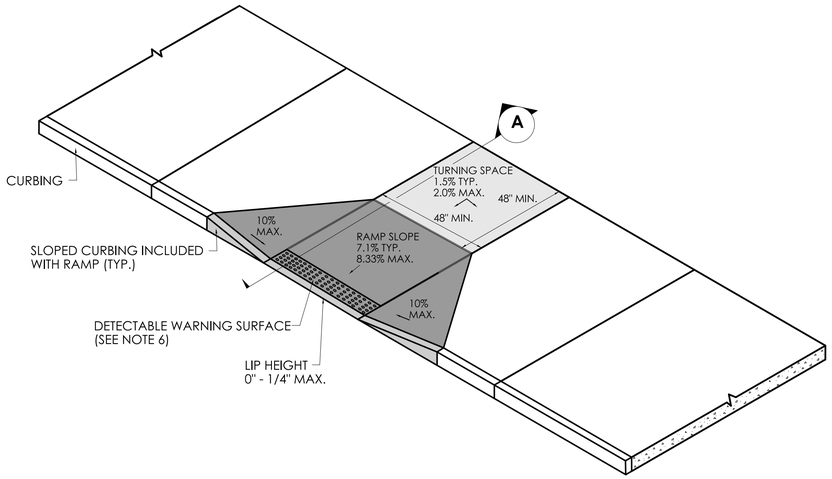
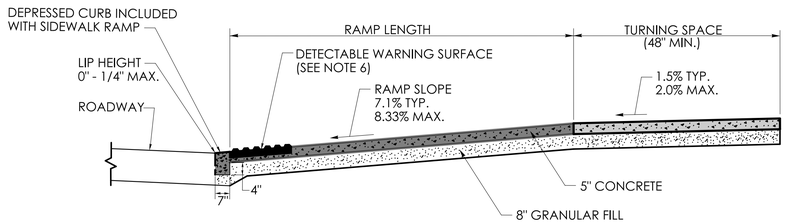
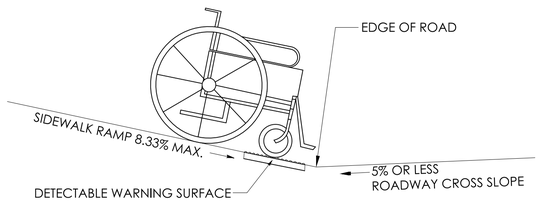
PLOTTED DATE: 10/30/2024



PERPENDICULAR SIDEWALK RAMP AND SECTION



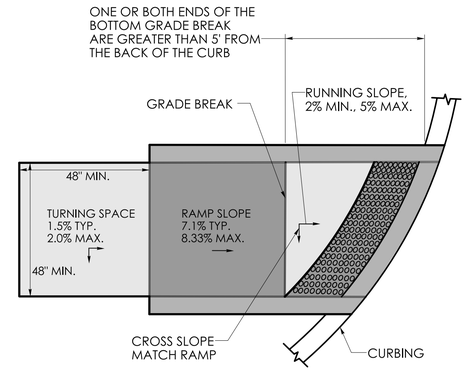
SECTION A



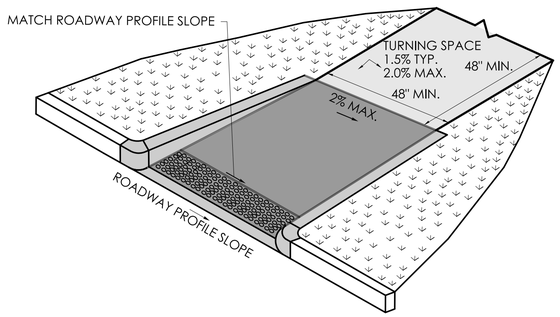
SIDEWALK RAMP GRADE AT ROADWAY CROSS SLOPE OF 5% OR LESS GUTTER COUNTER SLOPE

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.
5. DETECTABLE WARNING SURFACES SHALL BE INSTALLED ON SIDEWALK RAMPS AT PEDESTRIAN STREET CROSSINGS, PEDESTRIAN REFUGE ISLANDS AND RAILROAD CROSSINGS ALONG STREETS OR HIGHWAYS.
6. DETECTABLE WARNING SURFACES SHALL EXTEND 2 FEET MIN. IN THE DIRECTION OF PEDESTRIAN TRAVEL AND SPAN THE ENTIRE RAMP OPENING.
7. ALL GUIDESHEET VALUES COMPLY WITH PROWAG DRAFT 2013 GUIDELINES. UPDATED VALUES WILL BE MADE TO COMPLY WITH PROWAG FINAL RULE ONCE OFFICIALLY THE LAW.
8. CTDOT DESIGN STANDARD USE THE PUBLIC RIGHT-OF-WAY ACCESSIBILITY GUIDELINES (PROWAG) SEE ENGINEERING DIRECTIVE ED-2019-7.
9. CURB RAMPS SHALL BE CONSTRUCTED SO THAT WATER WILL NOT ACCUMLATE WITHIN THE PEDESTRIAN ACCESS ROUTE.

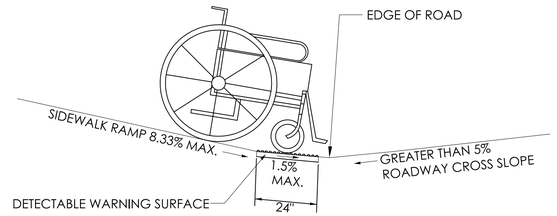


GRADE BREAK GREATER THAN 5' DETECTABLE WARNING SURFACE LOCATION

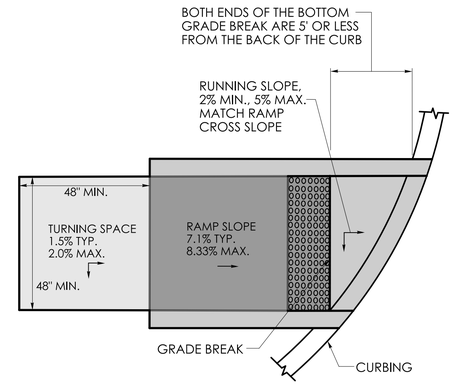


RAMP WARPING DETAIL

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 THE ROADWAY PROFILE BEHIND THE DETECTABLE WARNING SURFACE.



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



GRADE BREAK OF 5' OR LESS DETECTABLE WARNING SURFACE LOCATION

REV.	DATE	REVISION DESCRIPTION

DESIGNER/DRAFTER: CHECKED BY:

SIGNATURE/ BLOCK:

OFFICE OF ENGINEERING
2800 BERLIN TURNPIKE
NEWINGTON, CT 06111

APPROVED BY:

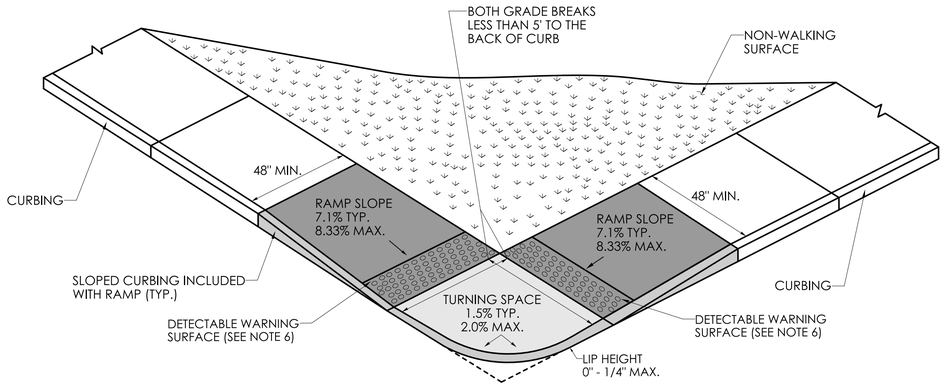
STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT NUMBER: 0000-0000
PROJECT DESCRIPTION: SAMPLE PROJECT DESCRIPTION
TOWN(S): SAMPLE TOWN(S)
DRAWING TITLE: CONCRETE SIDEWALK RAMPS SHEET 1 OF 11

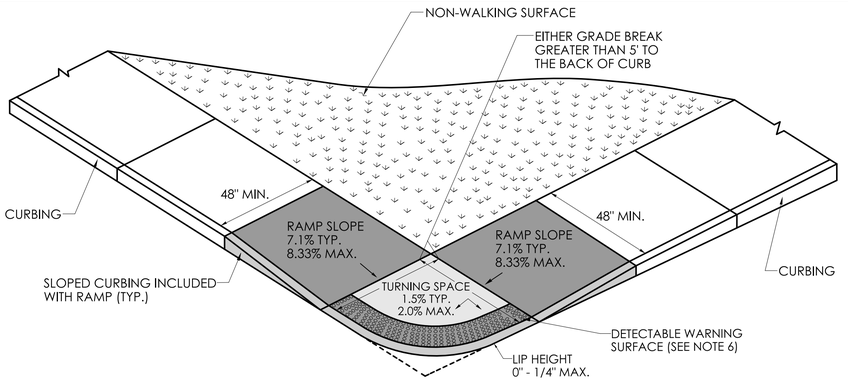
DRAWING NO.

SHEET NO.

LASTED SAVED BY: RichardEH **FILE NAME:** W:\CT_CONNECT_DDE\CT_Configuration\Organization\Cell\CTDOT_Borders_Contract.cel
PLOTTED DATE: 1/12/2024



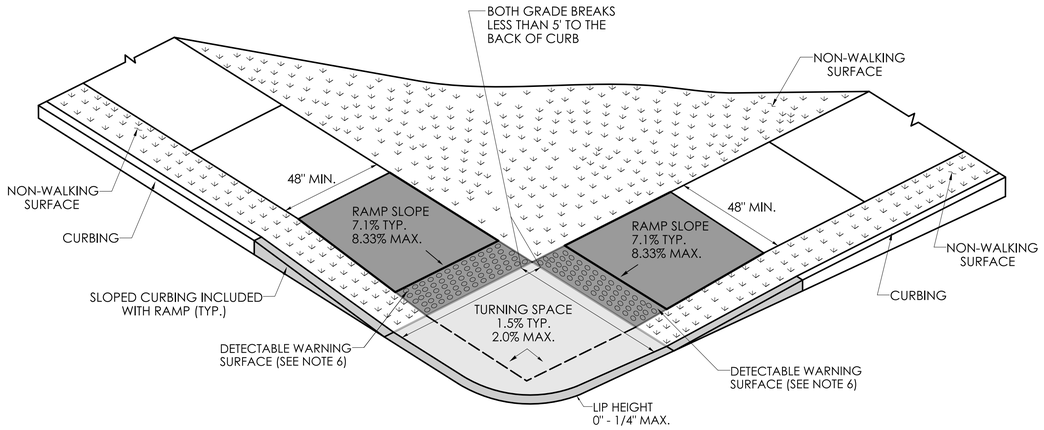
TWO DIRECTIONAL PERPENDICULAR RAMP
WITH A GRADE BREAK TO BACK OF CURB OF 5' OR LESS
(TYPE 1)



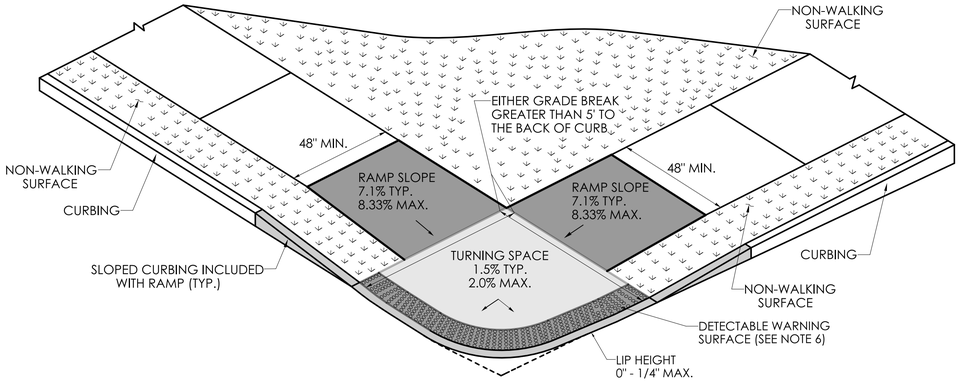
TWO DIRECTIONAL PERPENDICULAR RAMP
WITH GRADE BREAK TO BACK OF CURB GREATER THAN 5'
(TYPE 2)

GENERAL NOTES:

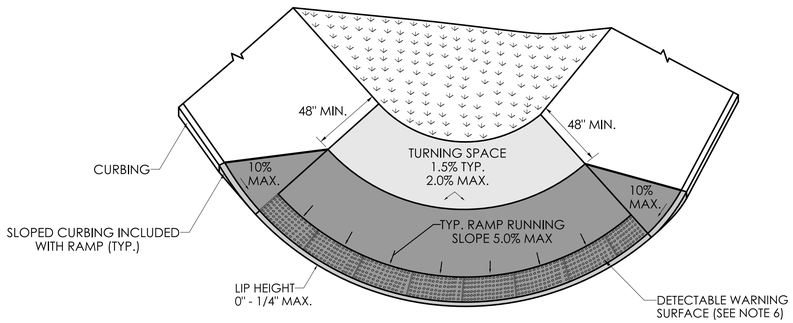
1. SIDEWALK RAMPS SHALL HAVE A COARSE BROOM FINISH TRANSVERSE TO THE SLOPE OF THE RAMP.
2. VERTICAL SURFACE DISCONTINUITIES AT JOINTS SHALL NOT EXCEED $\frac{1}{4}$ INCH.
3. REMOVAL OF EXISTING SIDEWALK FOR NEW RAMP INSTALLATIONS SHALL BE TO THE NEAREST EXPANSION OR CONTRACTION JOINT.
4. THE RUNNING SLOPE OF THE CURB RAMP SHALL BE 8.33 PERCENT MAXIMUM BUT SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET.
5. DETECTABLE WARNING SURFACES SHALL BE INSTALLED ON SIDEWALK RAMPS AT PEDESTRIAN STREET CROSSINGS, PEDESTRIAN REFUGE ISLANDS AND RAILROAD CROSSINGS ALONG STREETS OR HIGHWAYS.
6. DETECTABLE WARNING SURFACES SHALL EXTEND 2 FEET MIN. IN THE DIRECTION OF PEDESTRIAN TRAVEL AND SPAN THE ENTIRE RAMP OPENING.
7. ALL GUIDESHEET VALUES COMPLY WITH PROWAG DRAFT 2013 GUIDELINES. UPDATED VALUES WILL BE MADE TO COMPLY WITH PROWAG FINAL RULE ONCE OFFICIALLY THE LAW.
8. CTDOT DESIGN STANDARD USE THE PUBLIC RIGHT-OF-WAY ACCESSIBILITY GUIDELINES (PROWAG) SEE ENGINEERING DIRECTIVE ED-2019-7.
9. CURB RAMPS SHALL BE CONSTRUCTED SO THAT WATER WILL NOT ACCULATE WITHIN THE PEDESTRIAN ACCESS ROUTE.



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



TWO DIRECTIONAL PERPENDICULAR RAMP
WITH A GRADE BREAK
TO BACK OF CURB GREATER THAN 5'
WITH NON-WALKING SURFACE
(TYPE 4)



BLENDED TRANSITION
WITH TURNING SPACE AT TOP
(TYPE 5)

REV.	DATE	REVISION DESCRIPTION

DESIGNER/DRAFTER: CHECKED BY:

SIGNATURE/ BLOCK:

OFFICE OF ENGINEERING
2800 BERLIN TURNPIKE
NEWINGTON, CT 06111

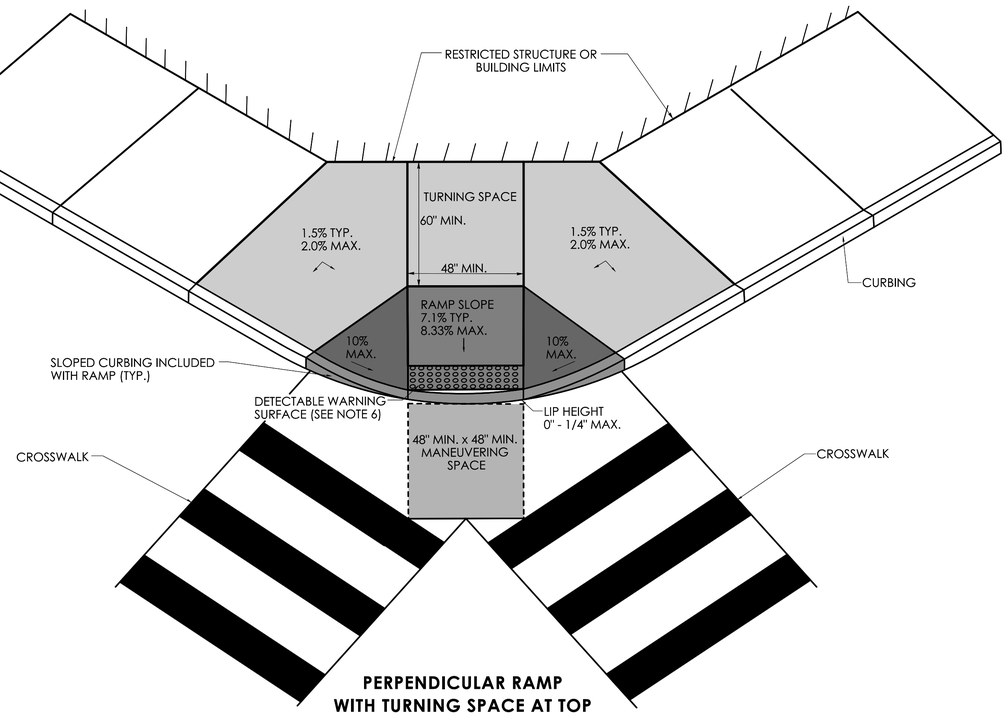
APPROVED BY:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

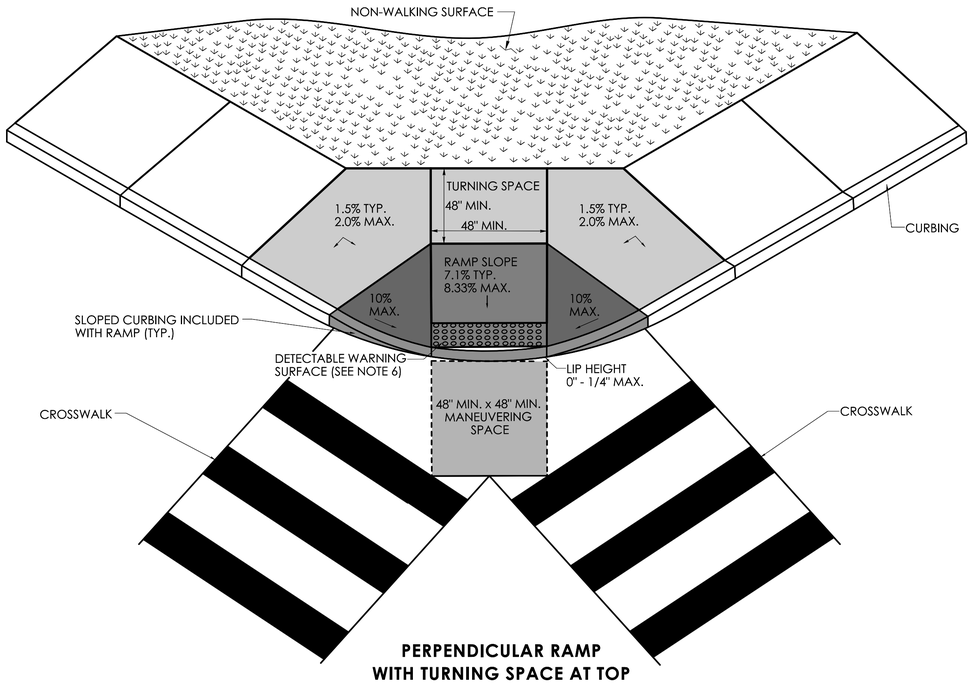
PROJECT NUMBER: 0000-0000
PROJECT DESCRIPTION: SAMPLE PROJECT DESCRIPTION
TOWN(S): SAMPLE TOWN(S)
DRAWING TITLE: CONCRETE SIDEWALK RAMPS SHEET 2 OF 11

DRAWING NO.
SHEET NO.

LASTED SAVED BY: RichardEH **FILE NAME:** W:\CT_CONNECT_DDE\CT_Configuration\Organization\Cell\CTDOT_Borders_Contract.cel
PLOTTED DATE: 1/12/2024



PERPENDICULAR RAMP WITH TURNING SPACE AT TOP (TYPE 6)



PERPENDICULAR RAMP WITH TURNING SPACE AT TOP (TYPE 7)

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 $\frac{1}{4}$ 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.
5. DETECTABLE WARNING SURFACES SHALL BE INSTALLED ON SIDEWALK RAMPS AT PEDESTRIAN STREET CROSSINGS, PEDESTRIAN REFUGE ISLANDS AND RAILROAD CROSSINGS ALONG STREETS OR HIGHWAYS.
6. DETECTABLE WARNING SURFACES SHALL EXTEND 2 FEET MIN. IN THE DIRECTION OF PEDESTRIAN TRAVEL AND SPAN THE ENTIRE RAMP OPENING.
7. ALL GUIDESHEET VALUES COMPLY WITH PROWAG DRAFT 2013 GUIDELINES. UPDATED VALUES WILL BE MADE TO COMPLY WITH PROWAG FINAL RULE ONCE OFFICIALLY THE LAW.
8. CTDOT DESIGN STANDARD USE THE PUBLIC RIGHT-OF-WAY ACCESSIBILITY GUIDELINES (PROWAG) SEE ENGINEERING DIRECTIVE ED-2019-7.
9. CURB RAMPS SHALL BE CONSTRUCTED SO THAT WATER WILL NOT ACCUMLATE WITHIN THE PEDESTRIAN ACCESS ROUTE.

REV.	DATE	REVISION DESCRIPTION

DESIGNER/DRAFTER: CHECKED BY:

SIGNATURE/ BLOCK:

APPROVED BY:

OFFICE OF ENGINEERING
2800 BERLIN TURNPIKE
NEWINGTON, CT 06111

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT NUMBER: 0000-0000
PROJECT DESCRIPTION: SAMPLE PROJECT DESCRIPTION
TOWN(S): SAMPLE TOWN(S)
DRAWING TITLE: CONCRETE SIDEWALK RAMPS SHEET 3 OF 11

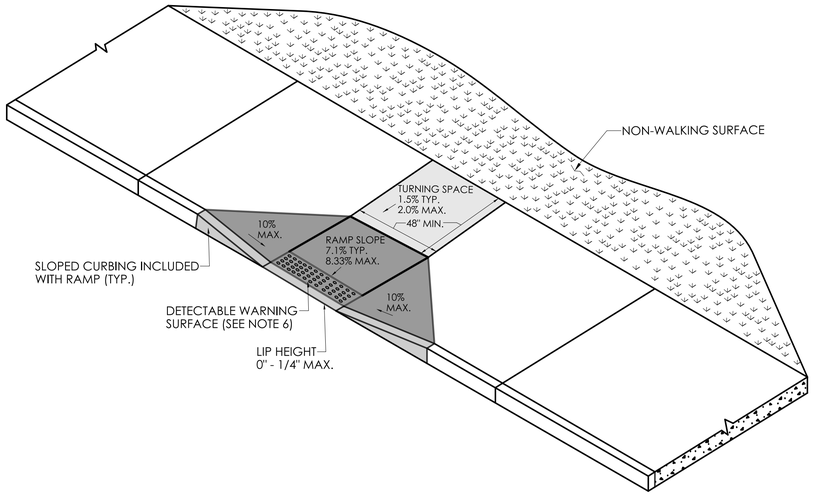
DRAWING NO.

SHEET NO.

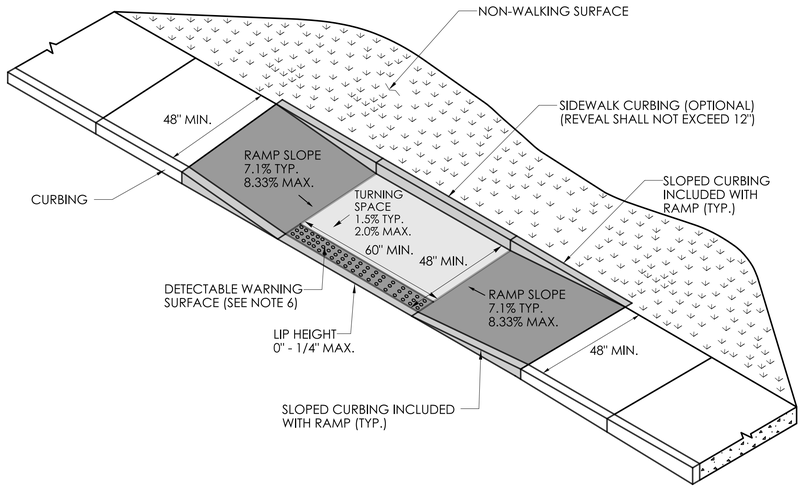
LASTED SAVED BY: RichardEH **FILE NAME:** W:\CT_CONNECT_DDE\CT_Configuration\Organization\Cell\CTDOT_Borders_Contract.cel
PLOTTED DATE: 1/12/2024

GENERAL NOTES:

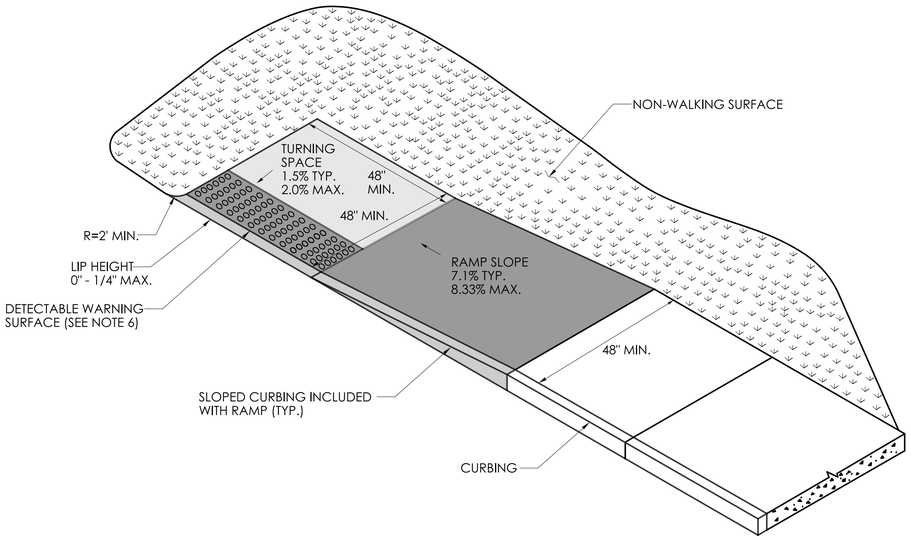
1. SIDEWALK RAMPS SHALL HAVE A COARSE BROOM FINISH TRANSVERSE TO THE SLOPE OF THE RAMP.
2. VERTICAL SURFACE DISCONTINUITIES AT JOINTS SHALL NOT EXCEED ¼ INCH.
3. REMOVAL OF EXISTING SIDEWALK FOR NEW RAMP INSTALLATIONS SHALL BE TO THE NEAREST EXPANSION OR CONTRACTION JOINT.
4. THE RUNNING SLOPE OF THE CURB RAMP SHALL BE 8.33 PERCENT MAXIMUM BUT SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET.
5. DETECTABLE WARNING SURFACES SHALL BE INSTALLED ON SIDEWALK RAMPS AT PEDESTRIAN STREET CROSSINGS, PEDESTRIAN REFUGE ISLANDS AND RAILROAD CROSSINGS ALONG STREETS OR HIGHWAYS.
6. DETECTABLE WARNING SURFACES SHALL EXTEND 2 FEET MIN. IN THE DIRECTION OF PEDESTRIAN TRAVEL AND SPAN THE ENTIRE RAMP OPENING.
7. ALL GUIDESHEET VALUES COMPLY WITH PROWAG DRAFT 2013 GUIDELINES. UPDATED VALUES WILL BE MADE TO COMPLY WITH PROWAG FINAL RULE ONCE OFFICIALLY THE LAW.
8. CTDOT DESIGN STANDARD USE THE PUBLIC RIGHT-OF-WAY ACCESSIBILITY GUIDELINES (PROWAG) SEE ENGINEERING DIRECTIVE ED-2019-7.
9. CURB RAMPS SHALL BE CONSTRUCTED SO THAT WATER WILL NOT ACCUMLATE WITHIN THE PEDESTRIAN ACCESS ROUTE.



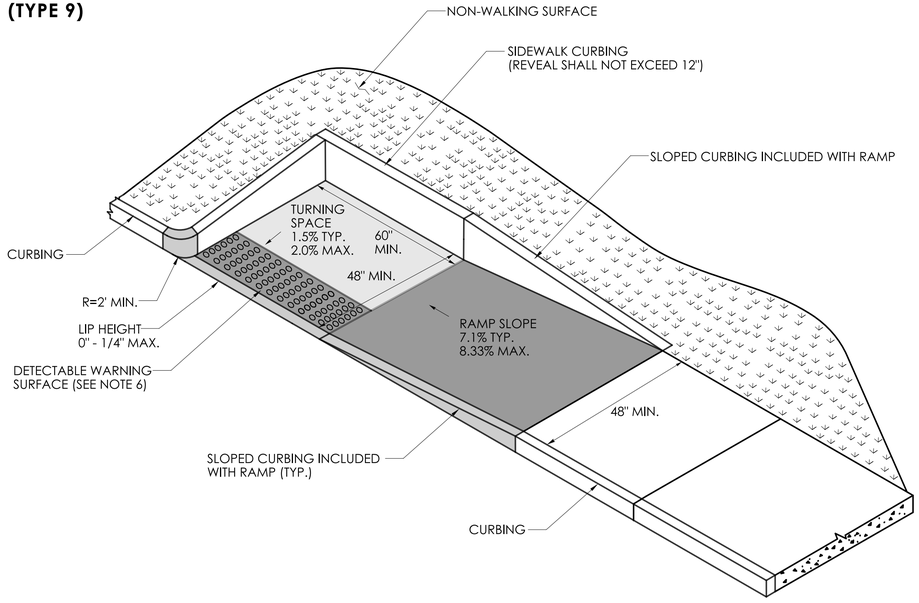
PERPENDICULAR RAMP WITH 48" BY-PASS (TYPE 8)



PARALLEL RAMP WITH TURNING SPACE CONSTRAINED ON TWO (2) OR MORE SIDES (TYPE 9)



PARALLEL RAMP WITH TURNING SPACE CONSTRAINED ON ONE SIDE (TYPE 10a)



PARALLEL RAMP WITH TURNING SPACE CONSTRAINED ON TWO (2) OR MORE SIDES (TYPE 10b)

REV.	DATE	REVISION DESCRIPTION

DESIGNER/DRAFTER: CHECKED BY:

SIGNATURE/ BLOCK:

APPROVED BY:

OFFICE OF ENGINEERING
2800 BERLIN TURNPIKE
NEWINGTON, CT 06111

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

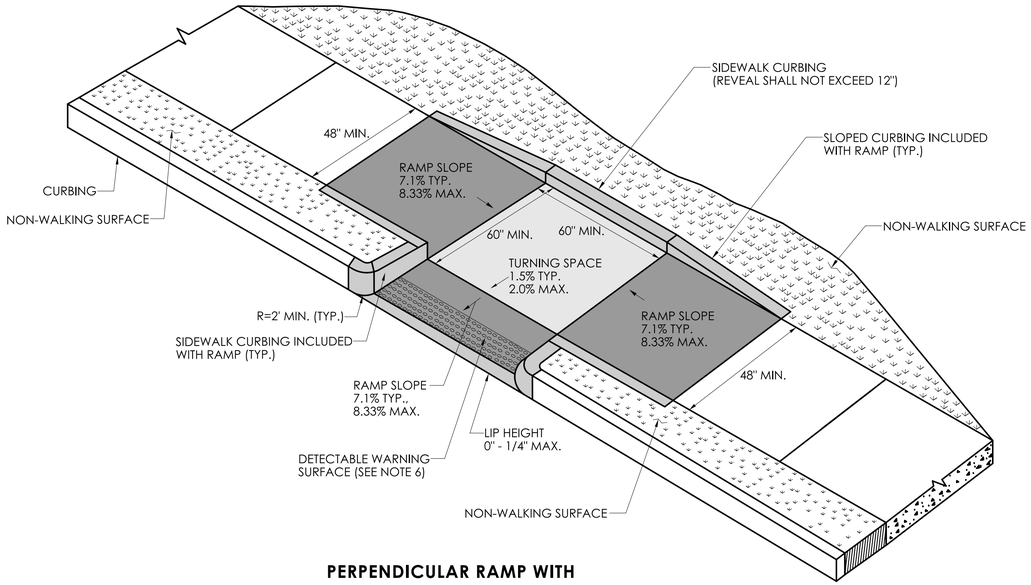
PROJECT NUMBER: 0000-0000
PROJECT DESCRIPTION: SAMPLE PROJECT DESCRIPTION
TOWN(S): SAMPLE TOWN(S)
DRAWING TITLE: CONCRETE SIDEWALK RAMPS SHEET 4 OF 11

DRAWING NO.
SHEET NO.

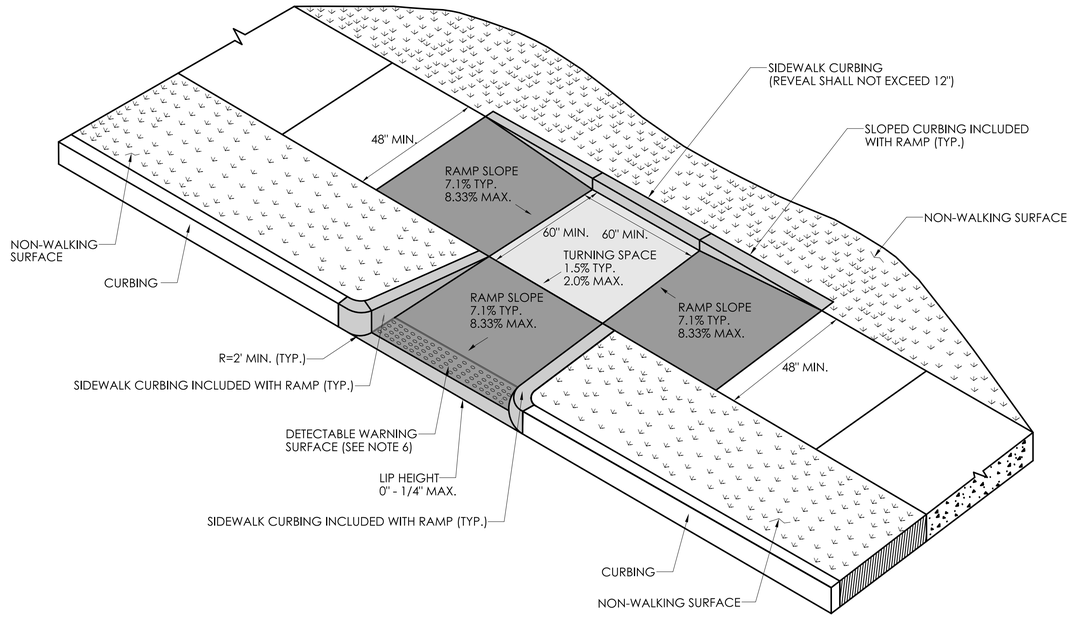
LASTED SAVED BY: RichardEH **FILE NAME:** W:\CT_CONNECT_DDE\CT_Configuration\Organization\Cell\CTDOT_Borders_Contract.cel
PLOTTED DATE: 10/25/2024

GENERAL NOTES:

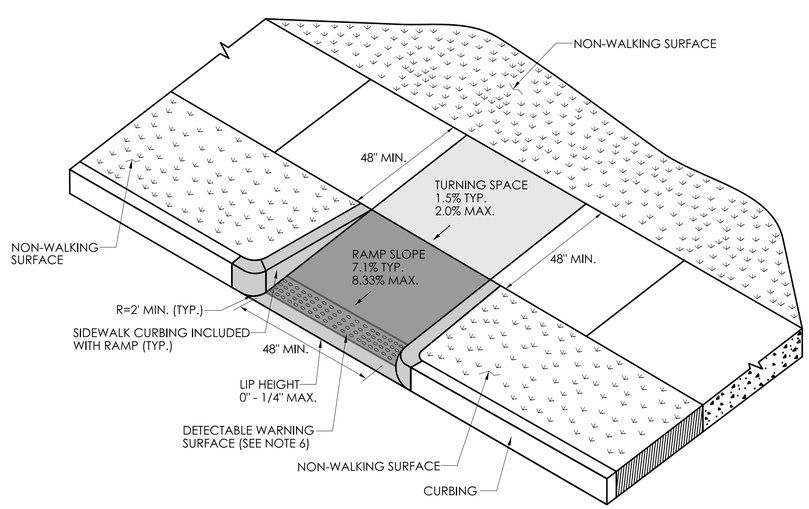
1. SIDEWALK RAMPS SHALL HAVE A COARSE BROOM FINISH TRANSVERSE TO THE SLOPE OF THE RAMP.
2. VERTICAL SURFACE DISCONTINUITIES AT JOINTS SHALL NOT EXCEED 1/4 INCH.
3. REMOVAL OF EXISTING SIDEWALK FOR NEW RAMP INSTALLATIONS SHALL BE TO THE NEAREST EXPANSION OR CONTRACTION JOINT.
4. THE RUNNING SLOPE OF THE CURB RAMP SHALL BE 8.33 PERCENT MAXIMUM BUT SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET.
5. DETECTABLE WARNING SURFACES SHALL BE INSTALLED ON SIDEWALK RAMPS AT PEDESTRIAN STREET CROSSINGS, PEDESTRIAN REFUGE ISLANDS AND RAILROAD CROSSINGS ALONG STREETS OR HIGHWAYS.
6. DETECTABLE WARNING SURFACES SHALL EXTEND 2 FEET MIN. IN THE DIRECTION OF PEDESTRIAN TRAVEL AND SPAN THE ENTIRE RAMP OPENING.
7. ALL GUIDESHEET VALUES COMPLY WITH PROWAG DRAFT 2013 GUIDELINES. UPDATED VALUES WILL BE MADE TO COMPLY WITH PROWAG FINAL RULE ONCE OFFICIALLY THE LAW.
8. CTDOT DESIGN STANDARD USE THE PUBLIC RIGHT-OF-WAY ACCESSIBILITY GUIDELINES (PROWAG) SEE ENGINEERING DIRECTIVE ED-2019-7.
9. CURB RAMPS SHALL BE CONSTRUCTED SO THAT WATER WILL NOT ACCULATE WITHIN THE PEDESTRIAN ACCESS ROUTE.



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)

REV.	DATE	REVISION DESCRIPTION

DESIGNER/DRAFTER: CHECKED BY:

SIGNATURE/ BLOCK:

OFFICE OF ENGINEERING
2800 BERLIN TURNPIKE
NEWINGTON, CT 06111

APPROVED BY:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT NUMBER: 0000-0000
PROJECT DESCRIPTION: SAMPLE PROJECT DESCRIPTION
TOWN(S): SAMPLE TOWN(S)
DRAWING TITLE: CONCRETE SIDEWALK RAMPS SHEET 5 OF 11

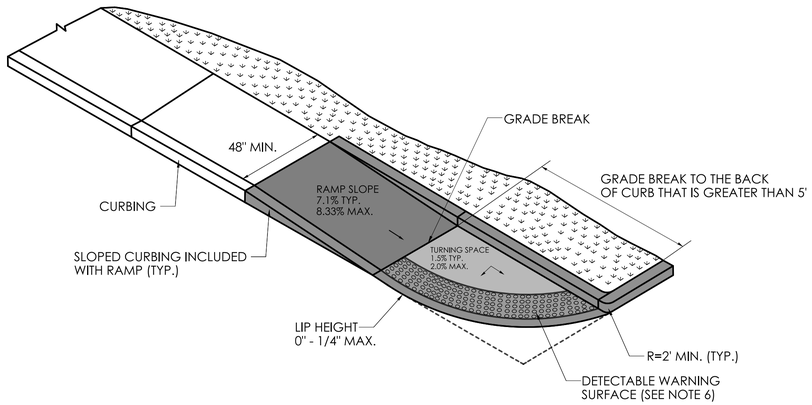
DRAWING NO.

SHEET NO.

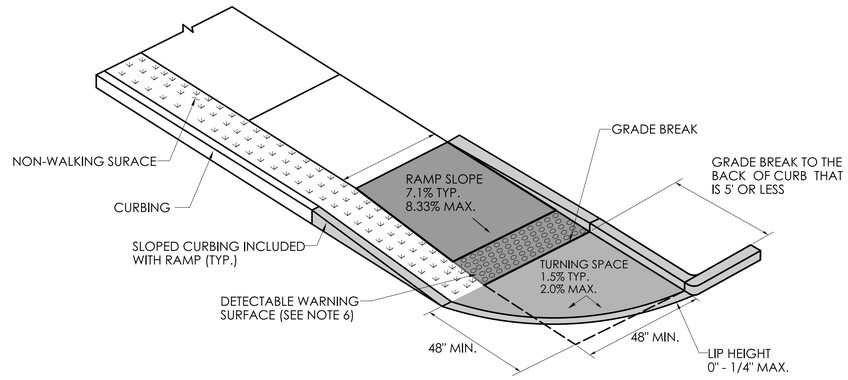
LASTED SAVED BY: RichardEH **FILE NAME:** W:\CT_CONNECT_DDE\CT_Configuration\Organization\Cell\CTDOT_Borders_Contract.cel
PLOTTED DATE: 1/12/2024

GENERAL NOTES:

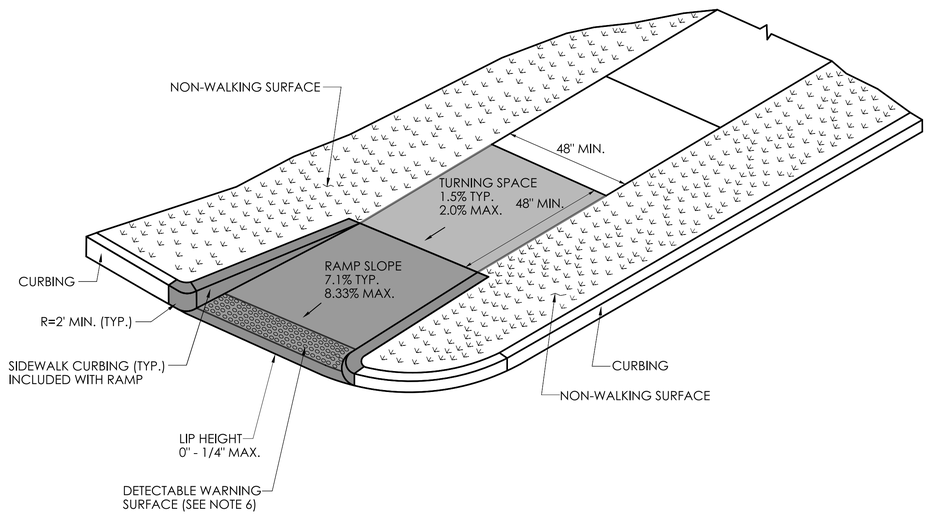
1. SIDEWALK RAMPS SHALL HAVE A COARSE BROOM FINISH TRANSVERSE TO THE SLOPE OF THE RAMP.
2. VERTICAL SURFACE DISCONTINUITIES AT JOINTS SHALL NOT EXCEED ¼ INCH.
3. REMOVAL OF EXISTING SIDEWALK FOR NEW RAMP INSTALLATIONS SHALL BE TO THE NEAREST EXPANSION OR CONTRACTION JOINT.
4. THE RUNNING SLOPE OF THE CURB RAMP SHALL BE 8.33 PERCENT MAXIMUM BUT SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET.
5. DETECTABLE WARNING SURFACES SHALL BE INSTALLED ON SIDEWALK RAMPS AT PEDESTRIAN STREET CROSSINGS, PEDESTRIAN REFUGE ISLANDS AND RAILROAD CROSSINGS ALONG STREETS OR HIGHWAYS.
6. DETECTABLE WARNING SURFACES SHALL EXTEND 2 FEET MIN. IN THE DIRECTION OF PEDESTRIAN TRAVEL AND SPAN THE ENTIRE RAMP OPENING.
7. ALL GUIDESHEET VALUES COMPLY WITH PROWAG DRAFT 2013 GUIDELNES. UPDATED VALUES WILL BE MADE TO COMPLY WITH PROWAG FINAL RULE ONCE OFFICIALLY THE LAW.
8. CTDOT DESIGN STANDARD USE THE PUBLIC RIGHT-OF-WAY ACCESSIBILITY GUIDELINES (PROWAG) SEE ENGINEERING DIRECTIVE ED-2019-07.
9. CURB RAMPS SHALL BE CONSTRUCTED SO THAT WATER WILL NOT ACCUMLATE WITHIN THE PEDESTRIAN ACCESS ROUTE.



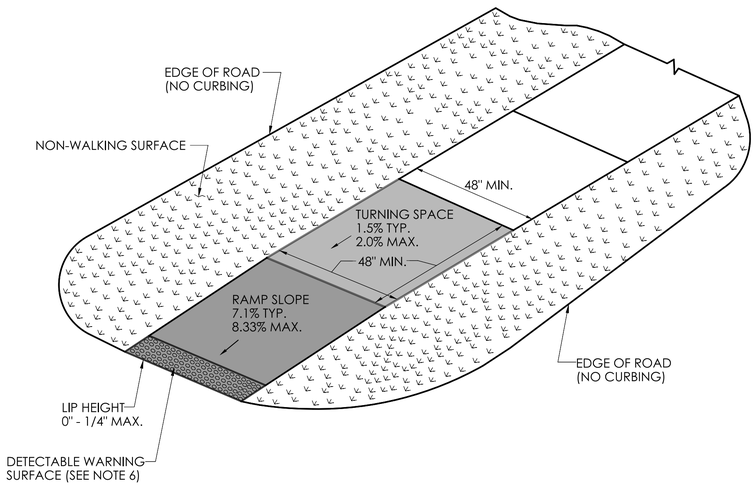
SINGLE DIRECTION PERPENDICULAR RAMP
GRADE BREAK TO THE BACK OF CURB
GREATER THAN 5'
(TYPE 14)



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



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



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

REV.	DATE	REVISION DESCRIPTION

DESIGNER/DRAFTER: CHECKED BY:

SIGNATURE/ BLOCK:

OFFICE OF ENGINEERING
2800 BERLIN TURNPIKE
NEWINGTON, CT 06111

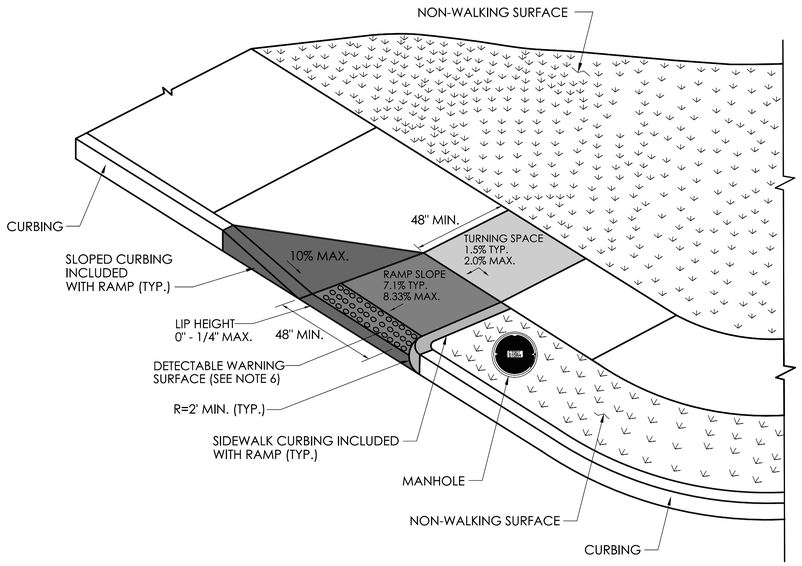
APPROVED BY:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

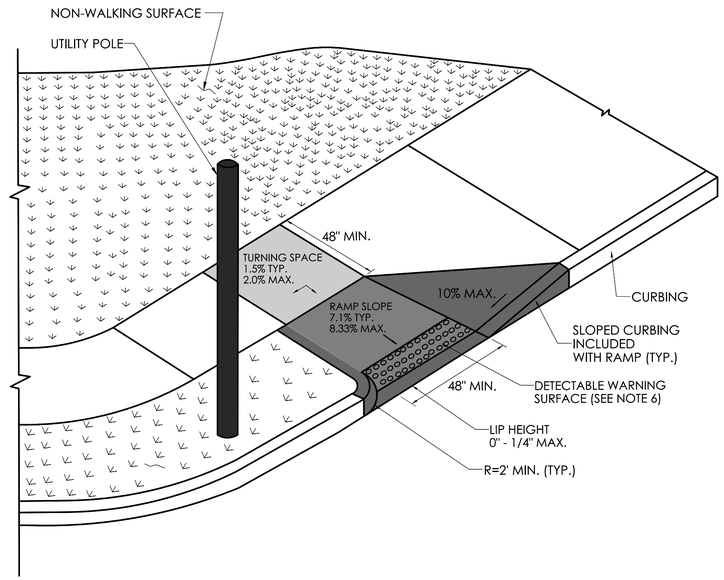
PROJECT NUMBER: 0000-0000
PROJECT DESCRIPTION: SAMPLE PROJECT DESCRIPTION
TOWN(S): SAMPLE TOWN(S)
DRAWING TITLE: CONCRETE SIDEWALK RAMPS SHEET 6 OF 11

DRAWING NO.
SHEET NO.

LASTED SAVED BY: RichardEH **FILE NAME:** W:\CT_CONNECT_DDE\CT_Configuration\Organization\Cell\CTDOT_Borders_Contract.cel
PLOTTED DATE: 1/12/2024



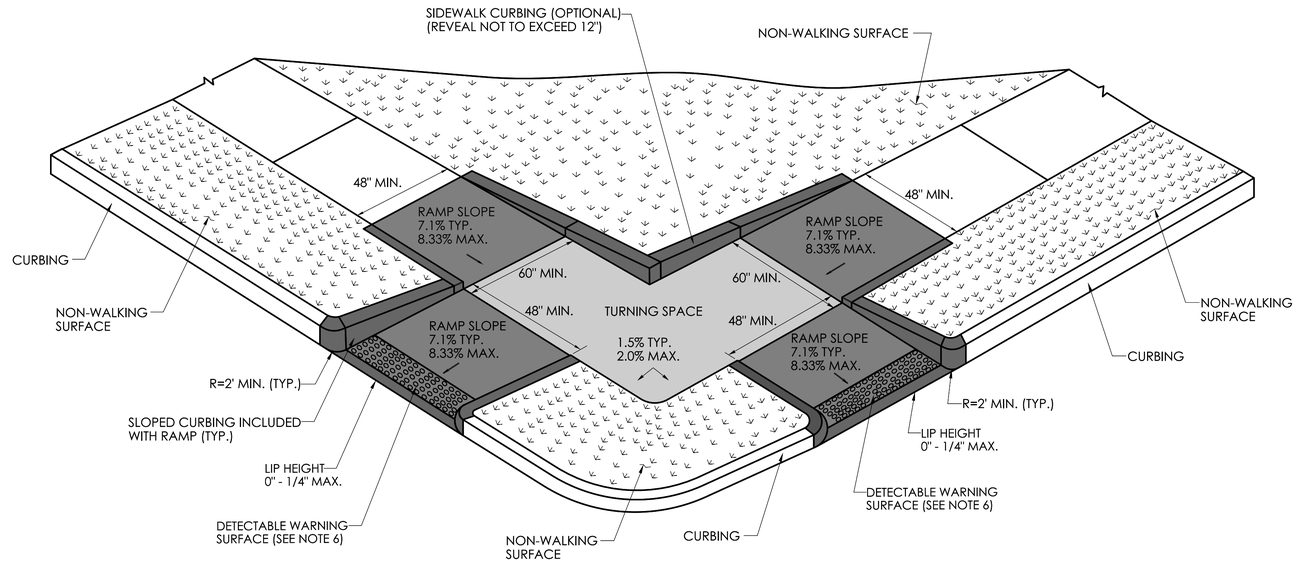
PERPENDICULAR RAMP
WITH NON-WALKING SURFACE
(TYPE 18 LEFT)



PERPENDICULAR RAMP
WITH NON-WALKING SURFACE
(TYPE 18 RIGHT)

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.
5. DETECTABLE WARNING SURFACES SHALL BE INSTALLED ON SIDEWALK RAMPS AT PEDESTRIAN STREET CROSSINGS, PEDESTRIAN REFUGE ISLANDS AND RAILROAD CROSSINGS ALONG STREETS OR HIGHWAYS.
6. DETECTABLE WARNING SURFACES SHALL EXTEND 2 FEET MIN. IN THE DIRECTION OF PEDESTRIAN TRAVEL AND SPAN THE ENTIRE RAMP OPENING.
7. ALL GUIDESHEET VALUES COMPLY WITH PROWAG DRAFT 2013 GUIDELINES. UPDATED VALUES WILL BE MADE TO COMPLY WITH PROWAG FINAL RULE ONCE OFFICIALLY THE LAW.
8. CTDOT DESIGN STANDARD USE THE PUBLIC RIGHT-OF-WAY ACCESSIBILITY GUIDELINES (PROWAG) SEE ENGINEERING DIRECTIVE ED-2019-7.
9. CURB RAMPS SHALL BE CONSTRUCTED SO THAT WATER WILL NOT ACCUMLATE WITHIN THE PEDESTRIAN ACCESS ROUTE.



PERPENDICULAR RAMP
WITH NON-WALKING SURFACE
(TYPE 19)

REV.	DATE	REVISION DESCRIPTION

DESIGNER/DRAFTER: CHECKED BY:

SIGNATURE/ BLOCK:

APPROVED BY:

OFFICE OF ENGINEERING
2800 BERLIN TURNPIKE
NEWINGTON, CT 06111

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT NUMBER: 0000-0000
PROJECT DESCRIPTION: SAMPLE PROJECT DESCRIPTION
TOWN(S): SAMPLE TOWN(S)
DRAWING TITLE: CONCRETE SIDEWALK RAMPS SHEET 7 OF 11

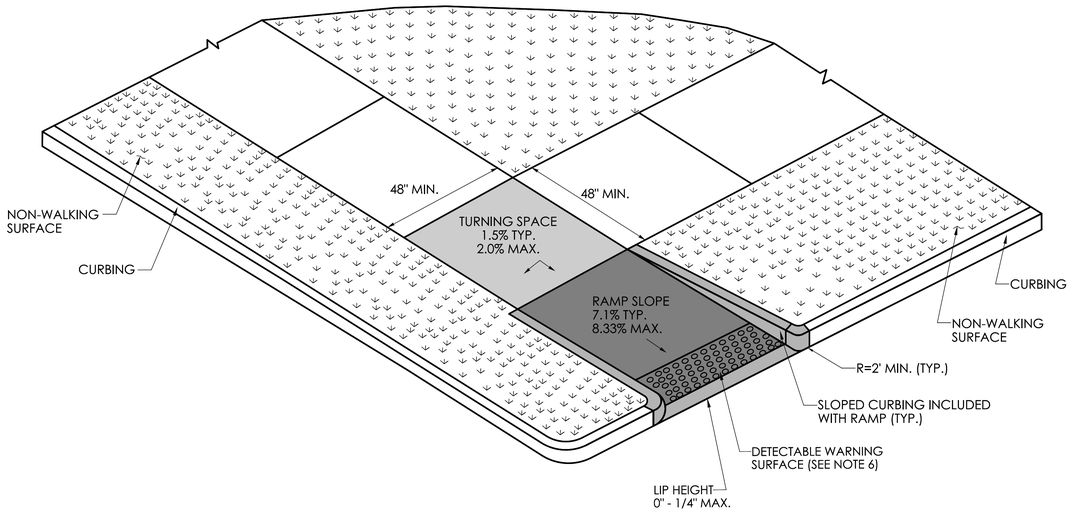
DRAWING NO.

SHEET NO.

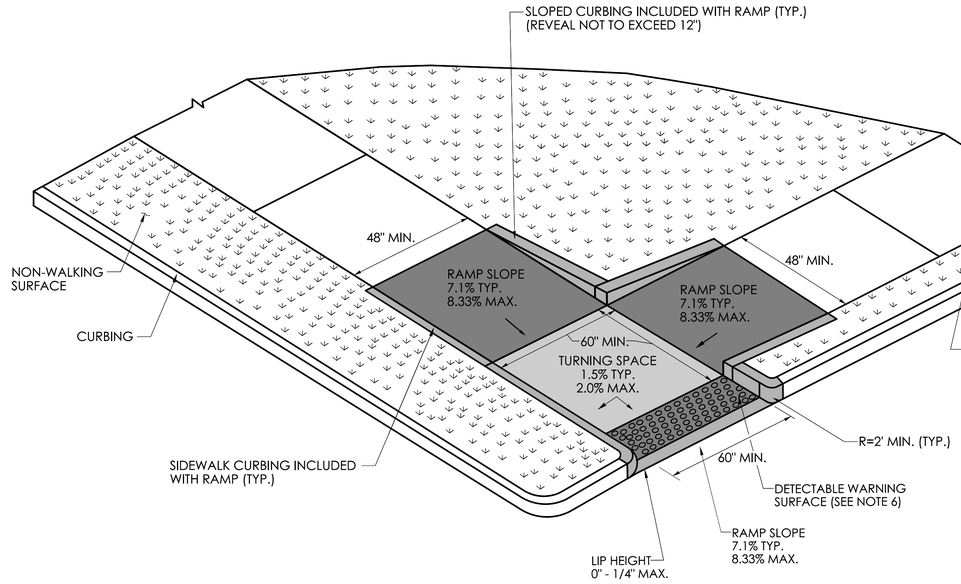
LASTED SAVED BY: RichardEH **FILE NAME:** W:\CT_CONNECT_DDE\CT_Configuration\Organization\Cell\CTDOT_Borders_Contract.cel
PLOTTED DATE: 1/12/2024

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.
5. DETECTABLE WARNING SURFACES SHALL BE INSTALLED ON SIDEWALK RAMPS AT PEDESTRIAN STREET CROSSINGS, PEDESTRIAN REFUGE ISLANDS AND RAILROAD CROSSINGS ALONG STREETS OR HIGHWAYS.
6. DETECTABLE WARNING SURFACES SHALL EXTEND 2 FEET MIN. IN THE DIRECTION OF PEDESTRIAN TRAVEL AND SPAN THE ENTIRE RAMP OPENING.
7. ALL GUIDESHEET VALUES COMPLY WITH PROWAG DRAFT 2013 GUIDELINES. UPDATED VALUES WILL BE MADE TO COMPLY WITH PROWAG FINAL RULE ONCE OFFICIALLY THE LAW.
8. CTDOT DESIGN STANDARD USE THE PUBLIC RIGHT-OF-WAY ACCESSIBILITY GUIDELINES (PROWAG) SEE ENGINEERING DIRECTIVE ED-2019-7.
9. CURB RAMPS SHALL BE CONSTRUCTED SO THAT WATER WILL NOT ACCUMLATE WITHIN THE PEDESTRIAN ACCESS ROUTE.



RESTRICTED PEDESTRIAN CROSSING SIDEWALK RAMP WITH NON-WALKING SURFACE (TYPE 20)



RESTRICTED PEDESTRIAN CROSSING WITH LANDING AT BOTTOM AND NON-WALKING SURFACE (TYPE 21)

REV.	DATE	REVISION DESCRIPTION

DESIGNER/DRAFTER: CHECKED BY:

SIGNATURE/ BLOCK:

OFFICE OF ENGINEERING
2800 BERLIN TURNPIKE
NEWINGTON, CT 06111

APPROVED BY:

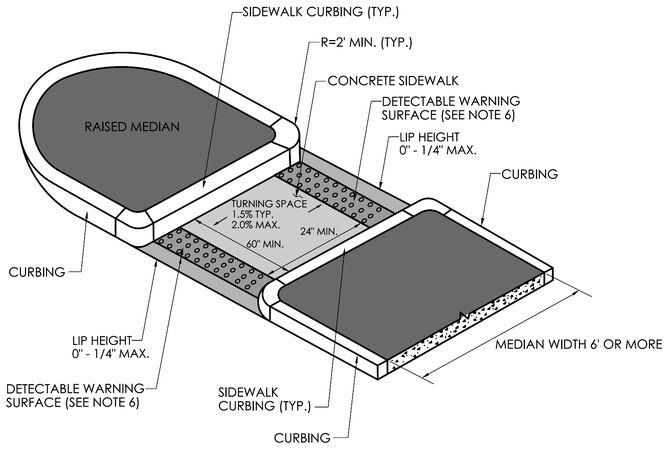
STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT NUMBER: 0000-0000
PROJECT DESCRIPTION: SAMPLE PROJECT DESCRIPTION
TOWN(S): SAMPLE TOWN(S)
DRAWING TITLE: CONCRETE SIDEWALK RAMPS SHEET 8 OF 11

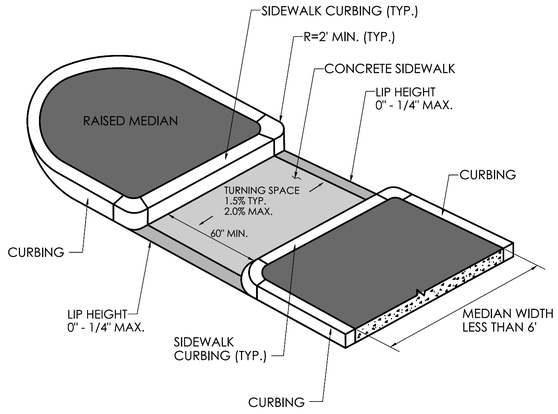
DRAWING NO.

SHEET NO.

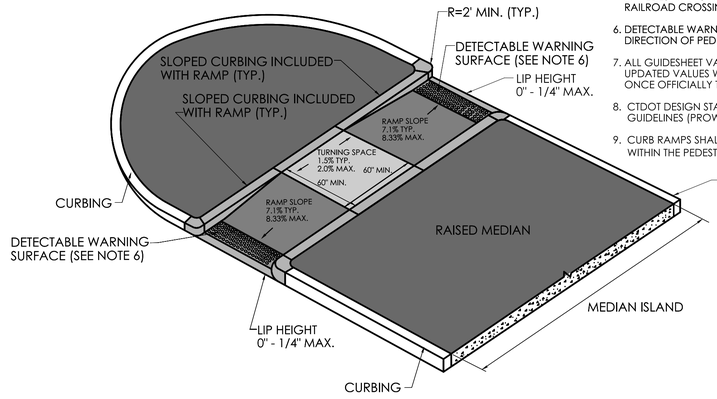
LASTED SAVED BY: RichardEH **FILE NAME:** W:\CT_CONNECT_DDE\CT_Configuration\Organization\Cell\CTDOT_Borders_Contract.cel
PLOTTED DATE: 1/12/2024



CUT-THROUGH PEDESTRIAN REFUGE ISLAND
MEDIAN WIDTH 6' OR MORE
(TYPE 22)



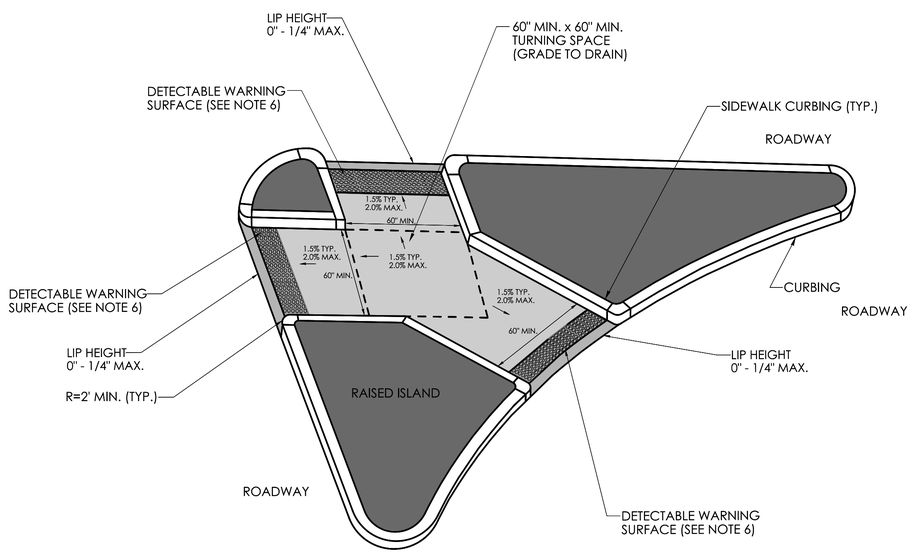
CUT-THROUGH PEDESTRIAN REFUGE ISLAND
MEDIAN WIDTH LESS THAN 6'
(TYPE 23)



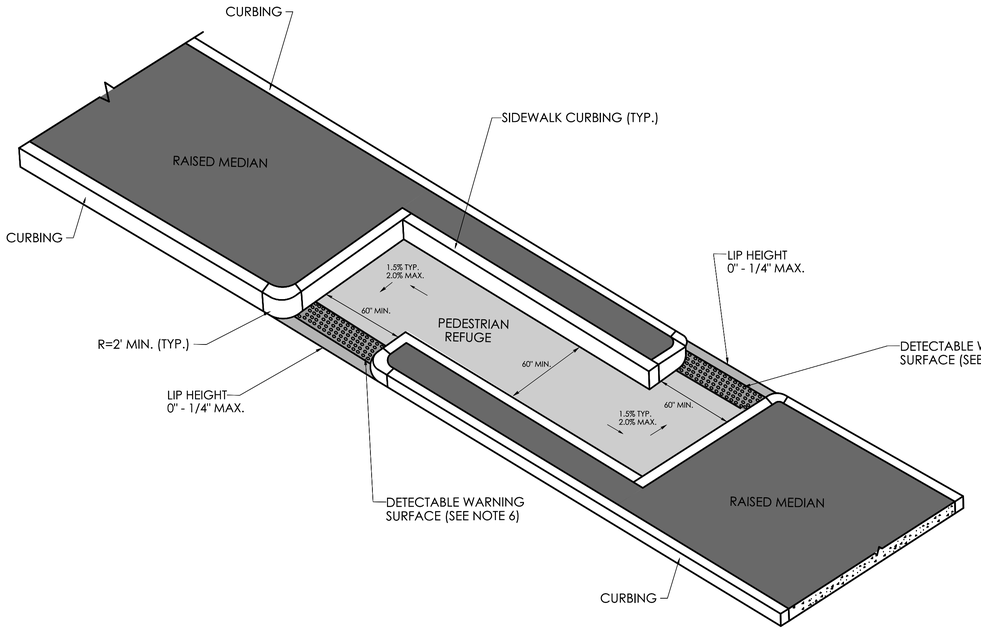
PEDESTRIAN REFUGE ISLAND WITH LANDING AND RAMPS
(TYPE 24)

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 $\frac{1}{4}$ 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.
5. DETECTABLE WARNING SURFACES SHALL BE INSTALLED ON SIDEWALK RAMPS AT PEDESTRIAN STREET CROSSINGS, PEDESTRIAN REFUGE ISLANDS AND RAILROAD CROSSINGS ALONG STREETS OR HIGHWAYS.
6. DETECTABLE WARNING SURFACES SHALL EXTEND 2 FEET MIN. IN THE DIRECTION OF PEDESTRIAN TRAVEL AND SPAN THE ENTIRE RAMP OPENING.
7. ALL GUIDESHEET VALUES COMPLY WITH PROWAG DRAFT 2013 GUIDELINES. UPDATED VALUES WILL BE MADE TO COMPLY WITH PROWAG FINAL RULE ONCE OFFICIALLY THE LAW.
8. CTDOT DESIGN STANDARD USE THE PUBLIC RIGHT-OF-WAY ACCESSIBILITY GUIDELINES (PROWAG) SEE ENGINEERING DIRECTIVE ED-2019-7.
9. CURB RAMPS SHALL BE CONSTRUCTED SO THAT WATER WILL NOT ACCULATE WITHIN THE PEDESTRIAN ACCESS ROUTE.



CUT-THROUGH PEDESTRIAN REFUGE ISLAND
(TYPE 25)



CUT-THROUGH PEDESTRIAN REFUGE ISLAND
OFFSET CONFIGURATION
(TYPE 26)

REV.	DATE	REVISION DESCRIPTION

DESIGNER/DRAFTER: CHECKED BY:

SIGNATURE/ BLOCK:

OFFICE OF ENGINEERING
2800 BERLIN TURNPIKE
NEWINGTON, CT 06111

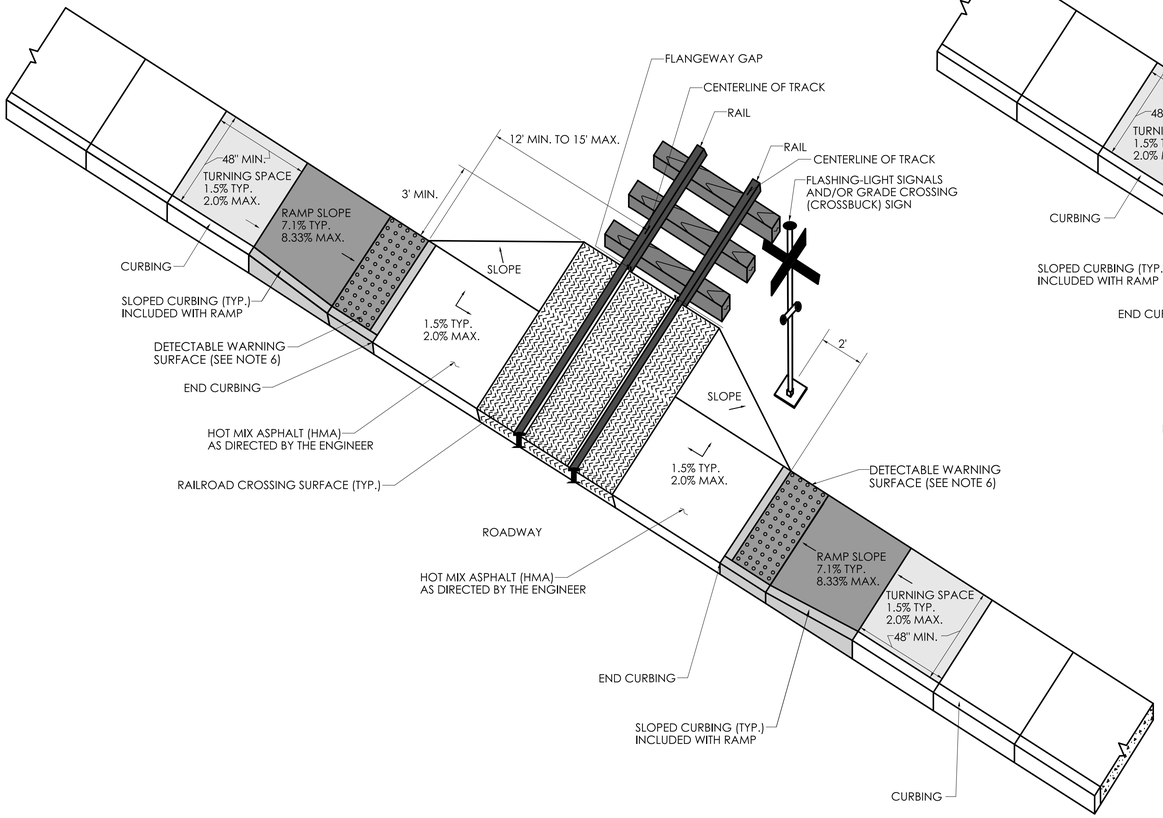
APPROVED BY:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

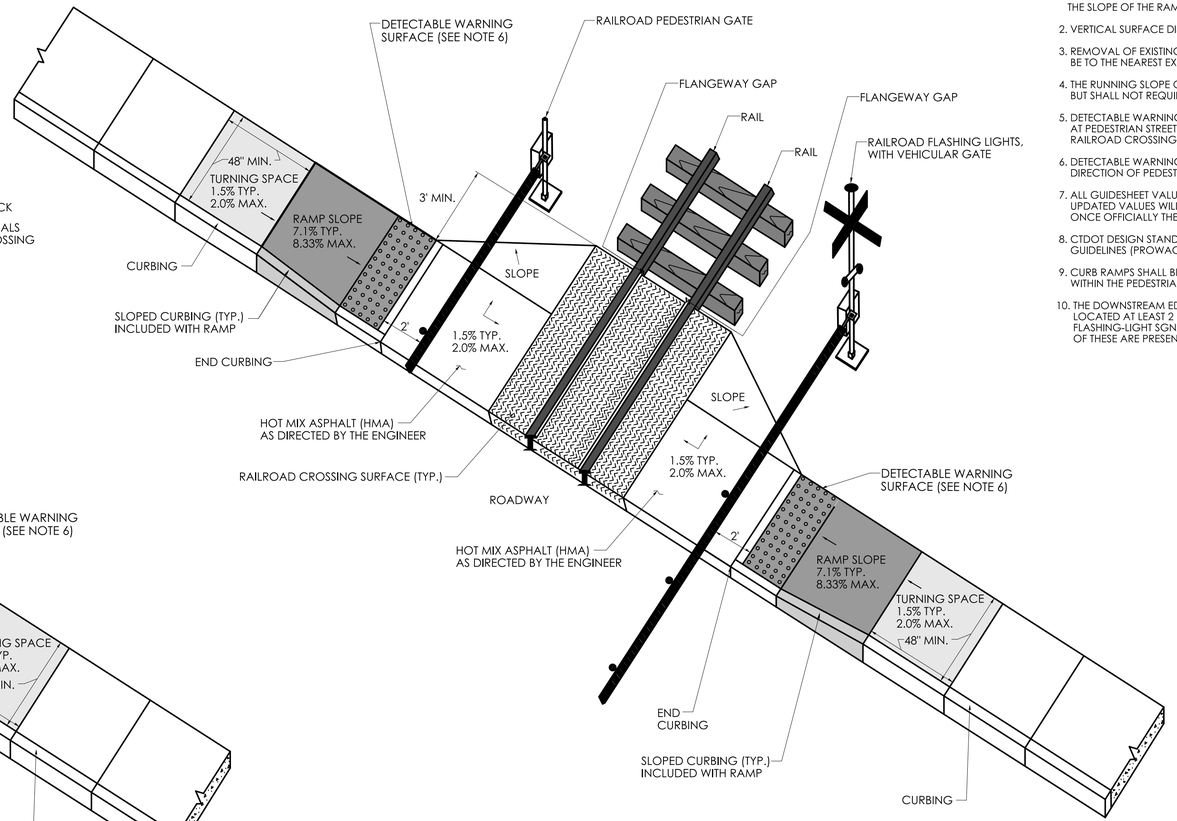
PROJECT NUMBER: 0000-0000
PROJECT DESCRIPTION: SAMPLE PROJECT DESCRIPTION
TOWN(S): SAMPLE TOWN(S)
DRAWING TITLE: CONCRETE SIDEWALK RAMPS SHEET 9 OF 11

DRAWING NO.
SHEET NO.

LASTED SAVED BY: RichardEH **FILE NAME:** W:\CT_CONNECT_DDE\CT_Configuration\Organization\Cell\CTDOT_Borders_Contract.cel
PLOTTED DATE: 1/12/2024



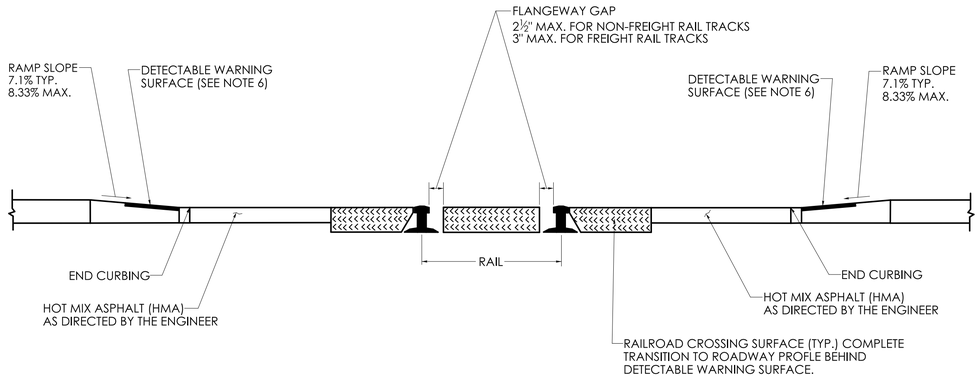
RAILROAD CROSSING RAMP WITHOUT GATE (TYPE 27)



RAILROAD CROSSING RAMP WITH GATE (TYPE 28)

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 $\frac{1}{4}$ 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.
5. DETECTABLE WARNING SURFACES SHALL BE INSTALLED ON SIDEWALK RAMPS AT PEDESTRIAN STREET CROSSINGS, PEDESTRIAN REFUGE ISLANDS AND RAILROAD CROSSINGS ALONG STREETS OR HIGHWAYS.
6. DETECTABLE WARNING SURFACES SHALL EXTEND 2 FEET MIN. IN THE DIRECTION OF PEDESTRIAN TRAVEL AND SPAN THE ENTIRE RAMP OPENING.
7. ALL GUIDESHEET VALUES COMPLY WITH PROWAG DRAFT 2013 GUIDELINES. UPDATED VALUES WILL BE MADE TO COMPLY WITH PROWAG FINAL RULE ONCE OFFICIALLY THE LAW.
8. CTDOT DESIGN STANDARD USE THE PUBLIC RIGHT-OF-WAY ACCESSIBILITY GUIDELINES (PROWAG) SEE ENGINEERING DIRECTIVE ED-2019-7.
9. CURB RAMPS SHALL BE CONSTRUCTED SO THAT WATER WILL NOT ACCULATE WITHIN THE PEDESTRIAN ACCESS ROUTE.
10. THE DOWNSTREAM EDGE OF THE DETECTABLE WARNNG STRIP SHALL BE LOCATED AT LEAST 2 FEET UPSTREAM FROM THE AUTOMATIC GATE. FLASHING-LIGHT SGNALS, OR GRADE CROSSING (CROSSBUCK) SIGN IF ANY OF THESE ARE PRESENT.



SECTION

REV.	DATE	REVISION DESCRIPTION

DESIGNER/DRAFTER: CHECKED BY:

SIGNATURE/ BLOCK:

APPROVED BY:

OFFICE OF ENGINEERING
2800 BERLIN TURNPIKE
NEWINGTON, CT 06111

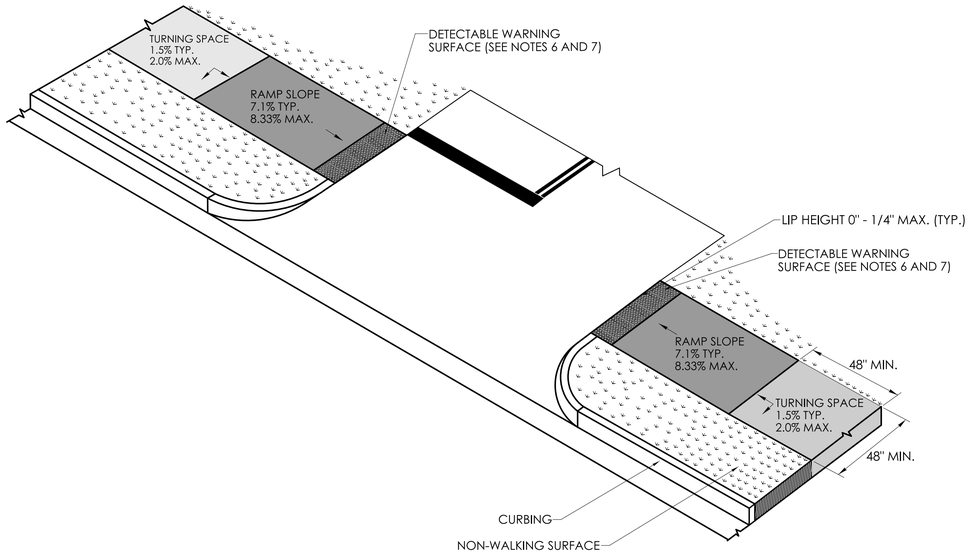
STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT NUMBER: 0000-0000
PROJECT DESCRIPTION: SAMPLE PROJECT DESCRIPTION
TOWN(S): SAMPLE TOWN(S)
DRAWING TITLE: CONCRETE SIDEWALK RAMPS SHEET 10 OF 11

DRAWING NO.

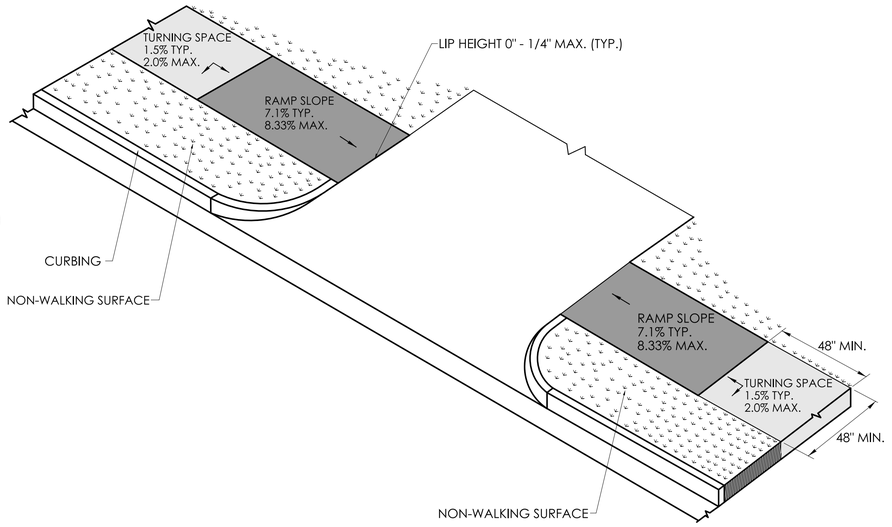
SHEET NO.

LASTED SAVED BY: RichardEH **FILE NAME:** W:\CT_CONNECT_DDE\CT_Configuration\Organization\Cell\CTDOT_Borders_Contract.cel
PLOTTED DATE: 10/25/2024



DRIVEWAY CROSSING SIGNALIZED, STOP CONTROLLED OR YIELD WITH DETECTABLE WARNING SURFACE AND NON WALKING SURFACE

(TYPE 29)

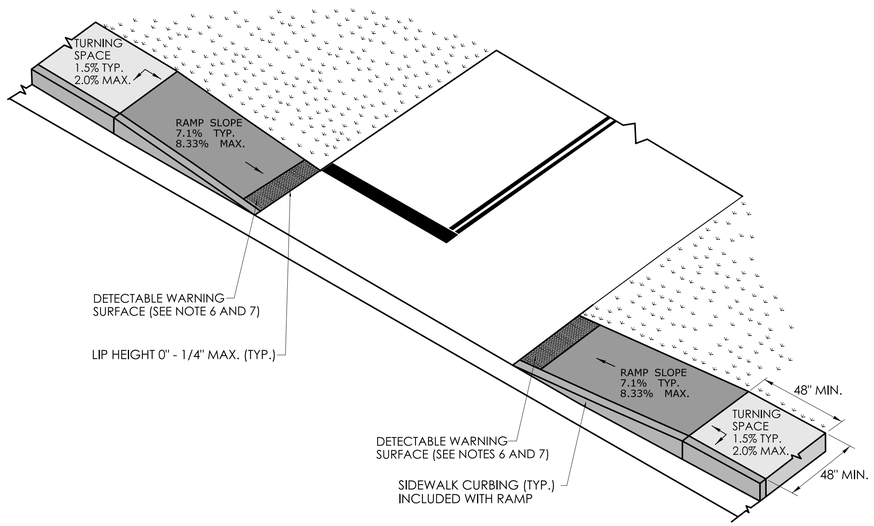


UNSIGNALIZED, NO STOP CONTROL OR YIELD DRIVEWAY CROSSING WITH NON WALKING SURFACE

(TYPE 30)

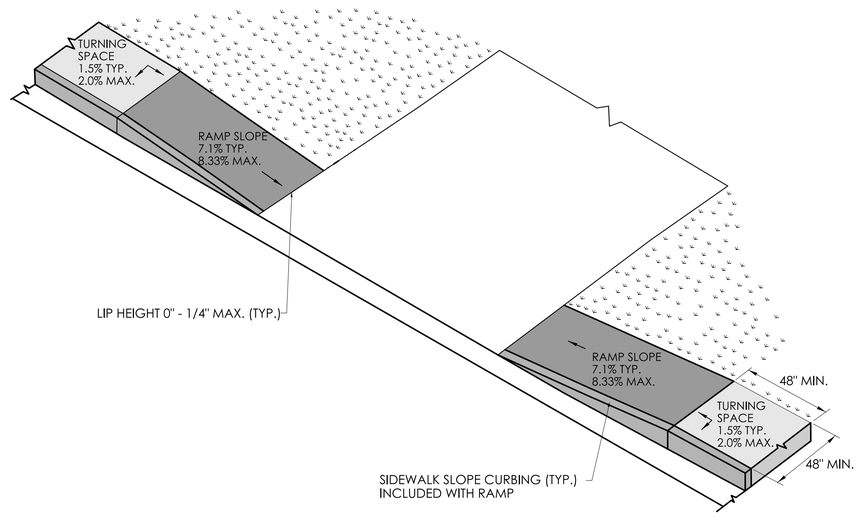
GENERAL NOTES:

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 $\frac{1}{4}$ 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.
5. DETECTABLE WARNING SURFACES SHALL BE INSTALLED ON SIDEWALK RAMPS AT PEDESTRIAN STREET CROSSINGS, PEDESTRIAN REFUGE ISLANDS AND RAILROAD CROSSINGS ALONG STREETS OR HIGHWAYS.
6. DETECTABLE WARNING SURFACES SHALL EXTEND 2 FEET MIN. IN THE DIRECTION OF PEDESTRIAN TRAVEL AND SPAN THE ENTIRE RAMP OPENING.
7. FOR DRIVEWAY WHERE TRAFFIC IS CONTROLLED WITH; YIELD SIGN, STOP CONTROL SIGN OR TRAFFIC SIGNAL, DETECTABLE WARNING SURFACE SHALL BE INSTALLED ON ADJACENT SIDEWALK RAMP(S).
8. ALL GUIDESHEET VALUES COMPLY WITH PROWAG DRAFT 2013 REQUIREMENTS. UPDATED VALUES WILL BE MADE TO COMPLY WITH PROWAG FINAL RULE ONCE OFFICIALLY THE LAW.
8. CTDOT DESIGN STANDARD USE THE PUBLIC RIGHT-OF-WAY ACCESSIBILITY GUIDELINES (PROWAG) SEE ENGINEERING DIRECTIVE ED-2019-7.
9. CURB RAMPS SHALL BE CONSTRUCTED SO THAT WATER WILL NOT ACCULATE WITHIN THE PEDESTRIAN ACCESS ROUTE.



DRIVEWAY CROSSING SIGNALIZED, STOP CONTROL OR YIELD WITH DETECTABLE WARNING SURFACE

(TYPE 31)



UNSIGNALIZED, NO STOP CONTROL OR YIELD DRIVEWAY CROSSING

(TYPE 32)

REV.	DATE	REVISION DESCRIPTION

DESIGNER/DRAFTER: CHECKED BY:

SIGNATURE/ BLOCK:

OFFICE OF ENGINEERING
2800 BERLIN TURNPIKE
NEWINGTON, CT 06111

APPROVED BY:

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

PROJECT NUMBER: 0000-0000
PROJECT DESCRIPTION: SAMPLE PROJECT DESCRIPTION
TOWN(S): SAMPLE TOWN(S)
DRAWING TITLE: CONCRETE SIDEWALK RAMPS SHEET 11 OF 11

DRAWING NO.

SHEET NO.

LASTED SAVED BY: RichardEH **FILE NAME:** W:\CT_CONNECT_DDE\CT_Configuration\Organization\Cell\CTDOT_Borders_Contract.cel
PLOTTED DATE: 1/12/2024

TITLE		DATE*
TR-GS_01	SIGN FACE SHEET ALUMINUM R SERIES TYPICAL SIGN DETAILS	10-21
TR-GS_02	SIGN FACE SHEET ALUMINUM S & W SERIES TYPICAL SIGN DETAILS	10-21
TR-GS_03	SIGN FACE SHEET ALUMINUM D, RS, E, I, & M SERIES TYPICAL SIGN DETAILS	10-21

TITLE	DATE*

*REVISED OR ADDED

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
-			

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

Plotted Date: 10/14/2021

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: CTDOT_TRAFFIC_GS.dgn Model: TR-GDS_INDEX

OFFICE OF ENGINEERING

TRAFFIC ENGINEERING GUIDE SHEET INDEX

GUIDE SHEET NO.:

TR-GS_INDEX

R1 - SERIES

R1-1 *

LEGEND - WHITE
BACKGROUND - RED

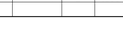
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
1.85	18	31-0532	1	.080
5.19	30	31-0552	1	.080
7.98	36	31-0553	1	.080
13.3	48	31-0557	2	.100

R1-2 *

LEGEND - RED
BACKGROUND -WHITE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
0.97	18	31-0520	1	.080
3.90	36	31-0523	1	.080
6.77	48	31-0522	2	.100
10.83	60	31-0528	2	.100

R1-3P *



LEGEND - WHITE
BACKGROUND - RED

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
0.75	18X6	31-0508		.080

R2 - SERIES

R2-1

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	24X30	31-5505	1	.080
7.50	30X36	31-5504	1	.080
12.00	36X48	31-5506	2	.100
20.00	48X60	31-5507	2	.100

R2-4a

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
32	48X96	31-5510	2	.125

R3 - SERIES

R3-1

LEGEND - BLACK
BACKGROUND - WHITE
CIRCLE & DIAGONAL - RED

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	31-1604	1	.080
9.00	36X36	31-1627	2	.080

R3-2

LEGEND - BLACK
BACKGROUND - WHITE
CIRCLE & DIAGONAL - RED

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	31-1603	1	.080
9.00	36X36	31-1629	2	.080

R3-3

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	31-1648	1	.080
9.00	36X36	31-1647	2	.080

R3-4

LEGEND - BLACK
BACKGROUND - WHITE
CIRCLE & DIAGONAL - RED

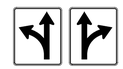
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
4.00	24X24	31-1622	1	.080
9.00	36X36	31-1632	2	.080

R3-5

31-0183 31-0184

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
7.50	30X36		1	.080

R3-6



31-0157 31-0158

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
7.50	30X36		1	.080

R3-7

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30X30	31-0117	1	.080
9.00	36X36	31-0120	2	.080

R3-7

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30X30	31-0118	1	.080
9.00	36X36	31-0123	2	.080

R3-8

31-0282 31-0283

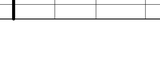
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
7.50	36X30		2	.080

R3-8

31-0295 31-0219

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
7.50	36X30		2	.080

R3-8



31-0222 31-0223

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30X30		1	.080

R3-8

31-0262 31-0261

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30X30		1	.080

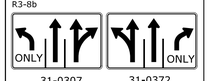
R3-8

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
8.75	42X30	31-0279	2	.100

R3-8b

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
10.00	48X30	31-0302	2	.100

R3-8b



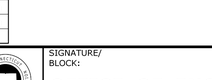
31-0307 31-0372

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
10.00	48X30		2	.100

R3-8b

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
8.75	42X30	31-0334	2	.100

R3-8b



31-0370 31-0371

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
8.75	42X30		2	.100

R4 - SERIES

R4-1

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	24X30	31-1502	1	.080

R4-16

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
20.00	48X60	31-1574	2	.100

R4-3

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	24X30	31-1562	1	.080
20.00	48X60	31-1564	2	.100

R4-7

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	24X30	31-1526	1	.080
12.00	36X48	31-1536	2	.100
20.00	48X60	31-1546	2	.100

R5 - SERIES

R5-1 *

LEGEND - WHITE
BACKGROUND - WHITE
CIRCLE - RED

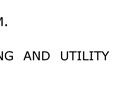
AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30X30	31-1119	1	.080
9.00	36X36	31-1120	2	.080
16.00	48X48	31-1121	2	.100

R5-1a *

LEGEND - WHITE
BACKGROUND - RED

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.00	36X24	31-1122	2	.080
8.75	42X30	31-1123	2	.100

R5-10a(CT)



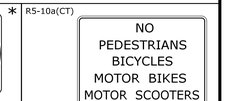
LEGEND - BLACK
TOP SECTION BACKGROUND - YELLOW
BOTTON SECTION BACKGROUND - WHITE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
32.50	60X78	31-1719	2	.125

R5-10c

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.00	24X12	31-1774	1	.080

R5-10a(CT)



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36X36	31-1775	2	.100

R5-11

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	30X24	31-1790	1	.080
20.00	48X36	31-1792	2	.100

R6 - SERIES

R6-1 *

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
3.00	36X12	31-1188	1	.080
6.75	54X18	31-1189	2	.100

R6-1 *

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
3.00	36X12	31-1177	1	.080
6.75	54X18	31-1178	2	.100

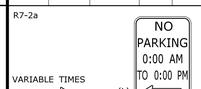
R7 - SERIES

R7-1

LEGEND - RED
BACKGROUND - WHITE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
1.50	12X18	31-0630	1	.080

R7-2a



LEGEND - RED
BACKGROUND - WHITE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
1.50	12X18	31-0603	1	.080

R8 - SERIES

R8-7

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
12.00	48X36	31-0670	2	.100

R9 - SERIES

R9-3

LEGEND - BLACK
BACKGROUND - WHITE
CIRCLE & DIAGONAL - RED

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
2.25	18X18	31-1705	1	.080
4.00	24x24	31-1769	1	.080
6.25	30x30	31-1770	1	.080

R9-3a

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
1.50	12X18	31-1702	1	.080

R10 - SERIES

R10-6

31-0801 31-0802

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.00	24X36		1	.080

R10-7

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	24X30	31-0806	1	.080

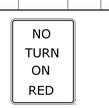
R10-11b

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
9.00	36X36	31-0816	2	.080

R10-10L

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
7.50	30X36	31-0852	1	.080

R10-11a



AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
7.50	30X36	31-0830	1	.080
12.00	36X48	31-0819	2	.100

R10-11c(CT)

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
7.50	30X36	31-0847	1	.080

R10-15 *

31-1626 31-1625

LEGEND AND SYMBOLS - BLACK
YIELD SYMBOL - RED
BACKGROUND:
TOP - FLUORESCENT YELLOW-GREEN
BOTTOM - WHITE

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
6.25	30X30		1	.080

R11 - SERIES

R11-1

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
5.00	24X30	31-1915	1	.080
20.00	48X60	31-1918	2	.100

RETROREFLECTIVE STRIP

LEGEND - N/A
BACKGROUND - RED

AREA (SQ. FT)	SIZE (INCHES)	CONN. D.O.T. #	POSTS	ALUM. THK.
1.00	4X48	31-5003	1	.080
2.00	4X72	31-5004	1	.080

NOTES:

1. THE LEGEND "O.S.T.A." SHALL APPEAR ON ALL R- SERIES SIGNS EXCEPT WHEN SUFFIXED WITH THE LETTER "Z".
2. FOR SPECIFIC SIGN DESIGN CONTACT CONN. D.O.T., DIVISION OF TRAFFIC ENGINEERING. FOR BOLT HOLE PATTERN REFER TO FHWA PUBLICATION "STANDARD HIGHWAY SIGNS". SIGNS OF DIFFERENT DIMENSIONS TO BE ERECTED ON THE SAME POSTS, OR SPAN/MAST ARM MOUNTED, MAY REQUIRE SPECIAL BOLT HOLE PATTERNS.
3. POSTS - SEE STANDARD SHEET TR-1208_02 - "METAL SIGN POSTS AND SIGN MOUNTING DETAILS."
4. POSTS SHALL BE 4 LBS./FT.
5. SIGNS SHALL BE FABRICATED OF ONE CONTINUOUS PIECE OF SHEET ALUMINUM. SPLICING OF SHEET ALUMINUM WILL NOT BE ACCEPTED.
6. FOR OVERHEAD MOUNTED SIGNS, SEE STANDARD SHEET TR-1114_01 - "BONDING AND UTILITY POLE ATTACHMENT DETAILS, SIGN HANGER, "Y" CLAMP DETAIL."

COLORS:

BACKGROUND - WHITE - EXCEPT AS NOTED.

LEGEND - BLACK - EXCEPT AS NOTED.

ALL SIGNS TO USE TYPE IX RETROREFLECTIVE SHEETING WITH THE EXCEPTION OF OVERHEAD MOUNTED SIGNS AND SIGNS DESIGNATED WITH AN * WHICH SHALL BE TYPE XI RETROREFLECTIVE SHEETING.

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
4	10-2021	REVISED SHEETING TYPE	TR-GS_01
3	12-2018	REVISED RETROREFLECTIVE STRIPS	TR-GS_01
2	10-2018	REVISED R5-11 SIGNS PER MUTCD	TR-GS_01
1	6-2018	NEW SHEET ISSUED	TR-GS_01

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

Plotted Date: 10/14/2021

DESIGNER/DRAFTER: **A. MERMELSTEIN**
CHECKED BY: **B. SCHILLING**

NOT TO SCALE

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\CTDOT_TRAFFIC_GS.dgn

SIGNATURE/ BLOCK:

OFFICE OF ENGINEERING

APPROVED BY: DATE:

PROJECT TITLE: -

TOWN: -

DRAWING TITLE: **SIGN FACE SHEET ALUMINUM (X)**
R-SERIES TYPICAL SIGN DETAILS

PROJECT NO. -

DRAWING NO. **TR-GS_01**

SHEET NO.