

Subdivision Plans

King Street Commons

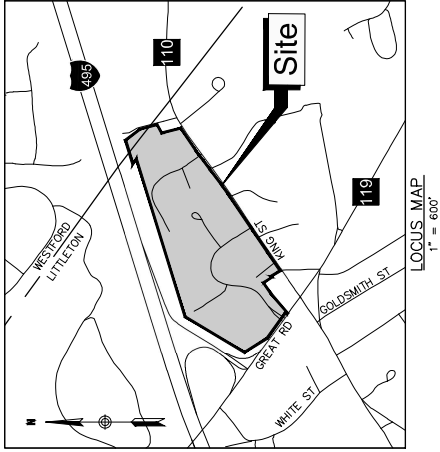
Definitive Subdivision Plan

550 King Street

Littleton, Massachusetts 01460

Index of Sheets		
No.	Drawing Title	Latest Issue
C-1	Title & Index Sheet	August 22, 2023
C-2	Legend & General Notes	August 22, 2023
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Reference Plans Index		
No.	Drawing Title	Latest Issue
1	Definitive Subdivision Plan of Land	August 1, 2023



DRAWING TITLE

Title & Index Sheet

SUBDIVISION NAME & LOCATION

King Street Commons
550 King Street
Littleton, MA 01460

OWNER / APPLICANT / SUBMITTER

Lupoli Companies
290 Merrimack Street
Lawrence, MA 01840

DESIGNER / ENGINEER

TEC

The Engineering Corp.

TEC, Inc.
282 Merrimack Street, 2nd Floor
Lawrence, Massachusetts 01843
978.944.1792
www.TheEngineeringCorp.com
Lawrence | Hampton | Worcester
DESIGNED BY: EJP DATE: 8-22-23
CHECKED BY: CJP SCALE: AS NOTED

SEAL

PROJECT NO.
T1180

TEC CAD FILE
T1180.CVP

DATE
8/22/23

MASSACHUSETTS
REGISTERED PROFESSIONAL ENGINEER
No. 17861
EXPIRATION DATE 08/31/2026

C-1
SHEET 1 OF 56

GENERAL SYMBOLS

- DRAWING TITLE
 Legend & General
 Notes
 King Street
 Commons
 550 King Street
 Littleton, MA 01460
 OWNER: AMF LLOYD / SUBDIVISION
 Lupoli Companies

Lawrence, MA 01840

- | | | | | |
|--|-------------|-------------|-------|----------|
|  <p>TEC, Inc.
 282 Merrimack Street, 2nd Floor
 Lawrence, Massachusetts 01903
 978.794.1792
 www.TheEngineeringCorp.com
 Lawrence Hampton Worcester</p> | DESIGNED BY | DATE | SCALE | AS NOTED |
| | ENGINEER | 8-23-23 | | |
| PROJECT NO. | | T1190 | | |
| TEC CAD FILE | | T1190_INDEX | | |
| DRAWING NO. | | 3 | | |

DRAWING TITLE

CROSSWALK, 12" WHITE LINE (WIDTH NOTED)
STOP LINE, 12" WHITE LINE 4' BEHIND CW (TYP.)
SOLID WHITE LINE-4"
DOUBLE YELLOW CENTER LINE- 2-4" LINES
TRAFFIC FLOW SYMBOL

Lupoli Companies
200 Marimack Street

TEC
The Engineering Corp.

DESIGNER / ENGINEER

Lawrence, MA 01840

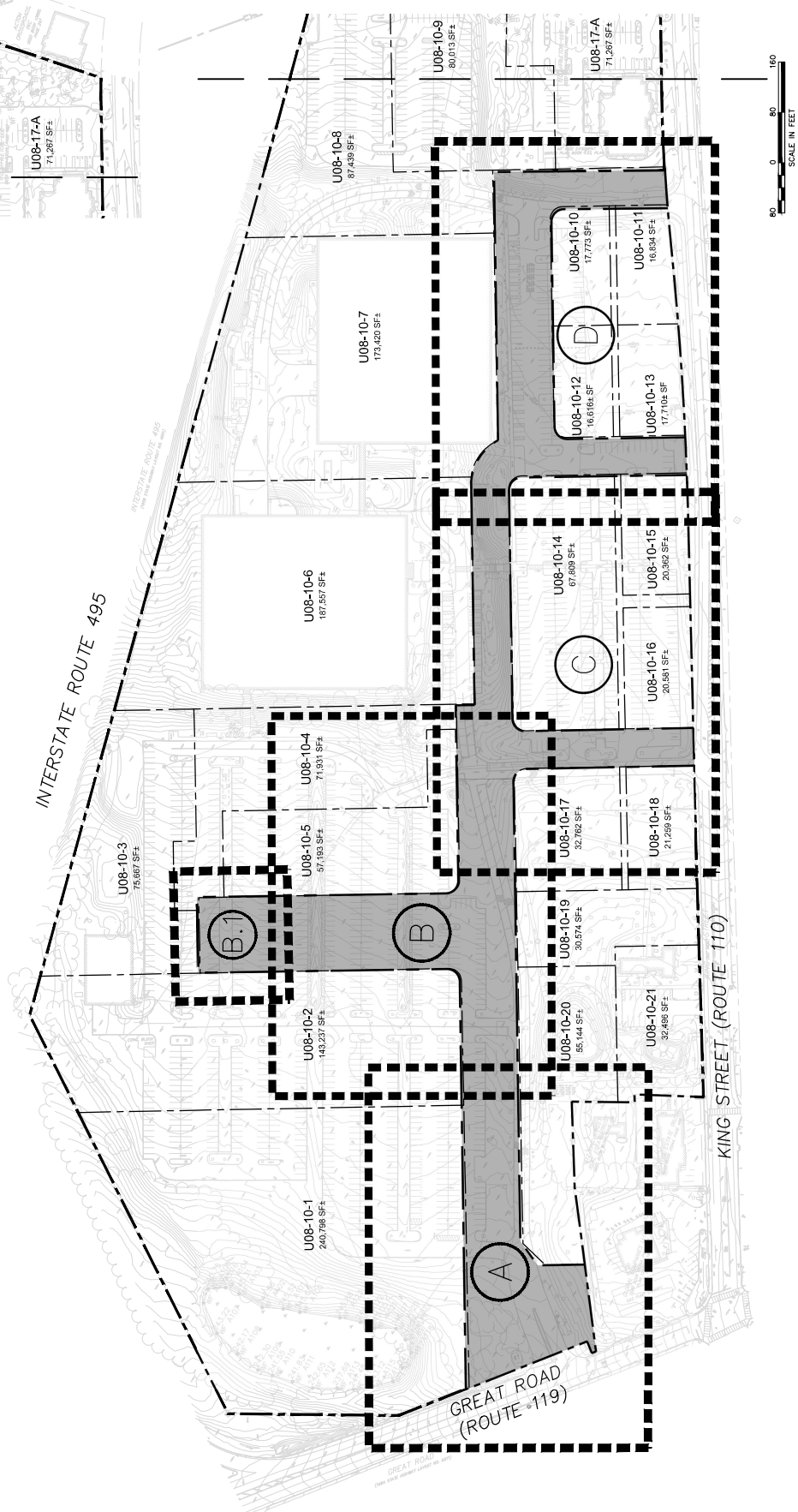
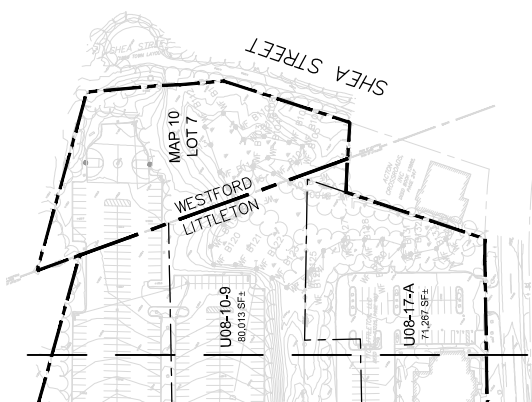
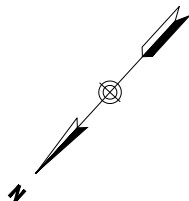
TEC, Inc.
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DESIGNED BY RLF DATE 8-25-23
CHECKED BY RLF SCALE AS NOTED

PROJECT NO. 11180
TEC CAD FILE 11180_INDEX
DRAWING NO. 11180-01



Legend & General Notes	SUBMITTANT NAME & LOCATION King Street Commons 550 King Street Littleton, MA 01460	OWNER / APPLICANT / SUBMITTOR Lupul Corporation 290 Merrimack Street Lawrence, MA 01840	 TEC, Inc. 282 Merrimack Street, 2nd Floor Lawrence, MA 01840 978.682.7941/792 www.TheEngineer-in-Corp.com Lawrence Hampton Worcester DESIGNED BY: RLF DATE: 6-20-23 CHECKED BY: CRR SCALE: AS NOTED	PROJECT NO. 11180 T&C CAD FILE 11180_INDEX DRAWING NO. C-2 SHEET # OF 36
				



DRAWING TITLE
Index Sheet

SUBDIVISION NAME & LOCATION
King Street
Commons
550 King Street
Littleton, MA 01460

OWNER / APPLICANT / SUBDIVIDER
Lupoli Companies
290 Merrimack Street
Lawrence, MA 01840

DESIGNER / ENGINEER

TEC, Inc.
282 Merrimack Street, 2nd Floor
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www.TheEngineers.com
Lawrence | Hampton | Worcester
DESIGNED BY: RSE DATE: 8-22-23
CHECKED BY: CBN SCALE: 1"=40'

PROJECT NO.
T1190

TEC CAD FILE
T1190_INDEX

DATE PLOTTED
8/22/23

PROJECT NO.
T1190

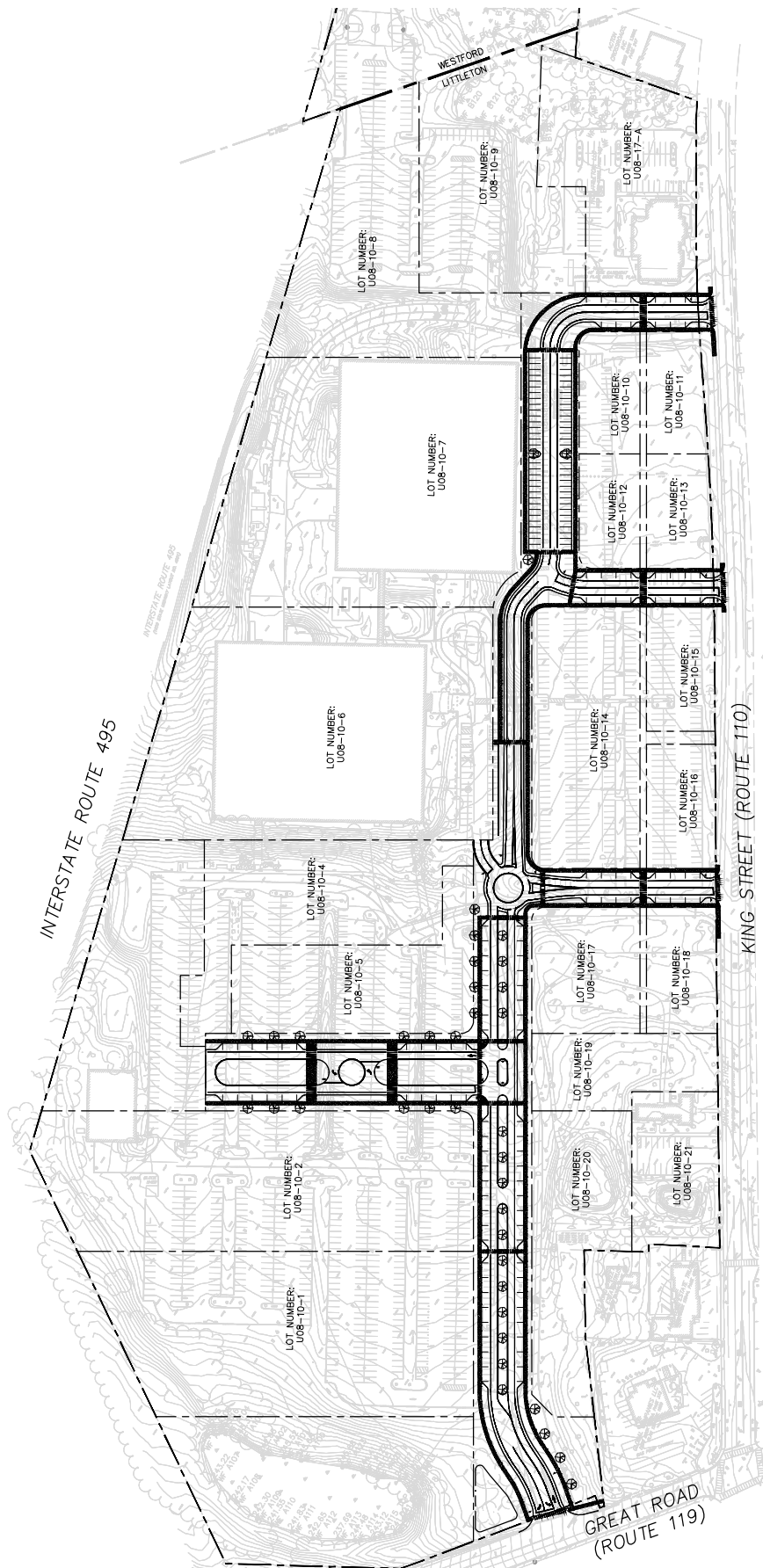
PROJECT NAME
KING STREET COMMONS

PROJECT LOCATION
550 KING STREET
LITTLETON, MA 01460

PROJECT SCALE
1"=40'

PROJECT SHEET
C-3

SHEET 3 OF 36

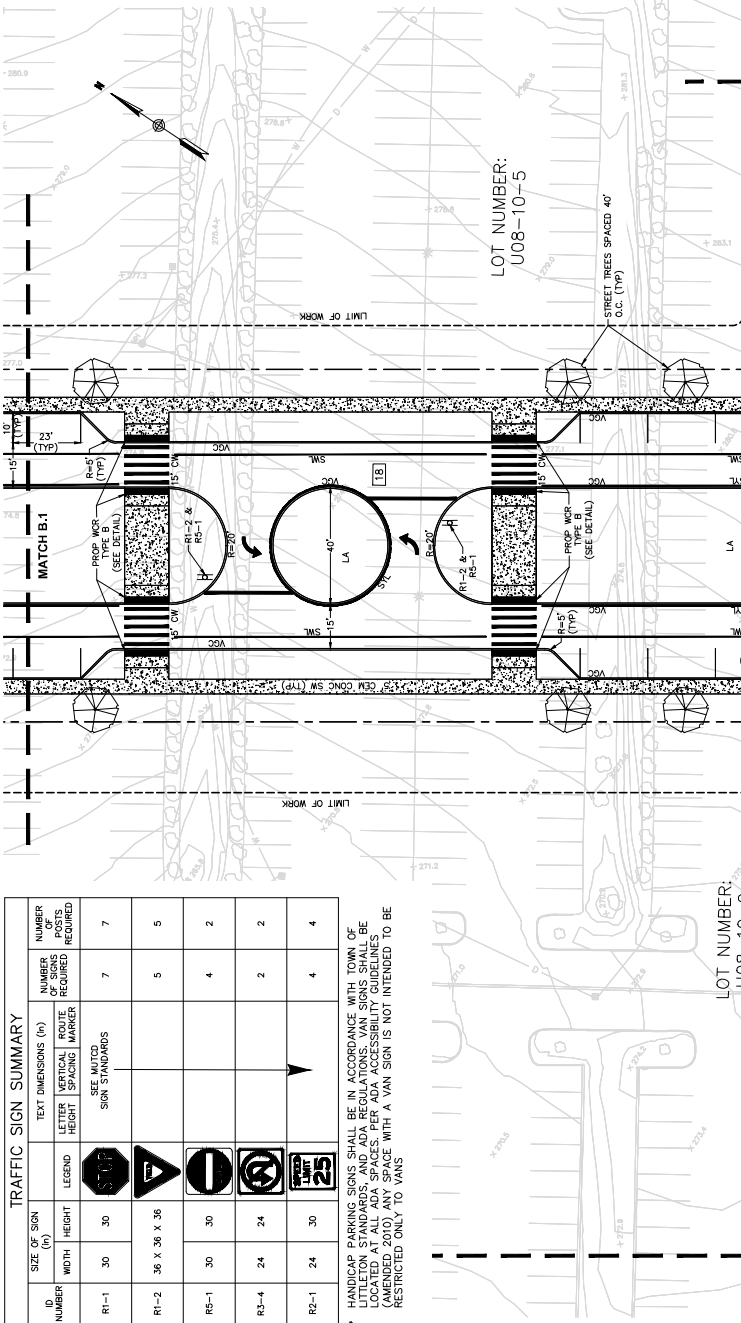


C-4

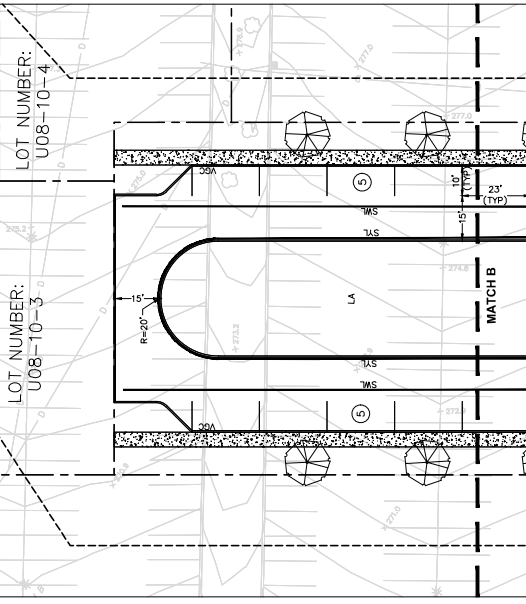
SHEET 4 OF 56

TRAFFIC SIGN SUMMARY					
ID NUMBER	SIZE OF SIGN (in)	TEXT DIMENSIONS (in)	LEGEND	NUMBER OF POSTS REQUIRED	NUMBER OF SIGNS REQUIRED
R1-1	30	30		7	7
R1-2	36 X 36 X 36	SEE MUTCD SIGN STANDARDS		5	5
R5-1	30	30		4	2
R3-4	24	24		2	2
R2-1	24	30		4	4

* HANDICAP PARKING SIGNS SHALL BE IN ACCORDANCE WITH TOWN OF LITTLETON STANDARDS, AND ADA REGULATIONS. VAN SIGNS SHALL BE LOCATED AT ALL ADA SPACES PER ADA ACCESSIBILITY GUIDELINES. VAN SPACES WITH A VAN SIGN IS NOT INTENDED TO BE RESTRICTED ONLY TO VANS



B.1



LOT NUMBER:
U08-10-4

LOT NUMBER:
U08-10-3

LOT NUMBER:
U08-10-5

LOT NUMBER:
U08-10-4

LOT NUMBER:
U08-10-2

LOT NUMBER:
U08-10-19

LOT NUMBER:
U08-10-17

LOT NUMBER:
U08-10-20

Layout Plan B

SUBDIVISION NAME & LOCATION
King Street
Commons
550 King Street
Littleton, MA 01460

OWNER / APPLICANT / SUBMITTER
Lupoli Companies
290 Merrimack Street
Lawrence, MA 01840

DESIGNER / ENGINEER



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Lawrence, Massachusetts 01843
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Lawrence | Hampton | Worcester
DESIGNED BY: JLF DATE: 8-23-23
CHECKED BY: CRN SCALE: 1"=20'

PROJECT NO.
T1180

TEC CAD FILE
T1180 SITE

DESIGNED BY: JLF DATE: 8-23-23

CHECKED BY: CRN SCALE: 1"=20'

PROJECT NO.
T1180

TEC CAD FILE
T1180 SITE

DESIGNED BY: JLF DATE: 8-23-23

CHECKED BY: CRN SCALE: 1"=20'

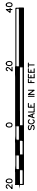
PROJECT NO.
T1180

TEC CAD FILE
T1180 SITE

DESIGNED BY: JLF DATE: 8-23-23

CHECKED BY: CRN SCALE: 1"=20'

PROJECT NO.
T1180



SUBDIVISION NAME & LOCATION
King Street Commons
550 King Street
Littleton, MA 01460

OWNER / APPLICANT / SUBDIVIDER
Lupoli Companies
290 Merrimack Street
Lawrence, MA 01840

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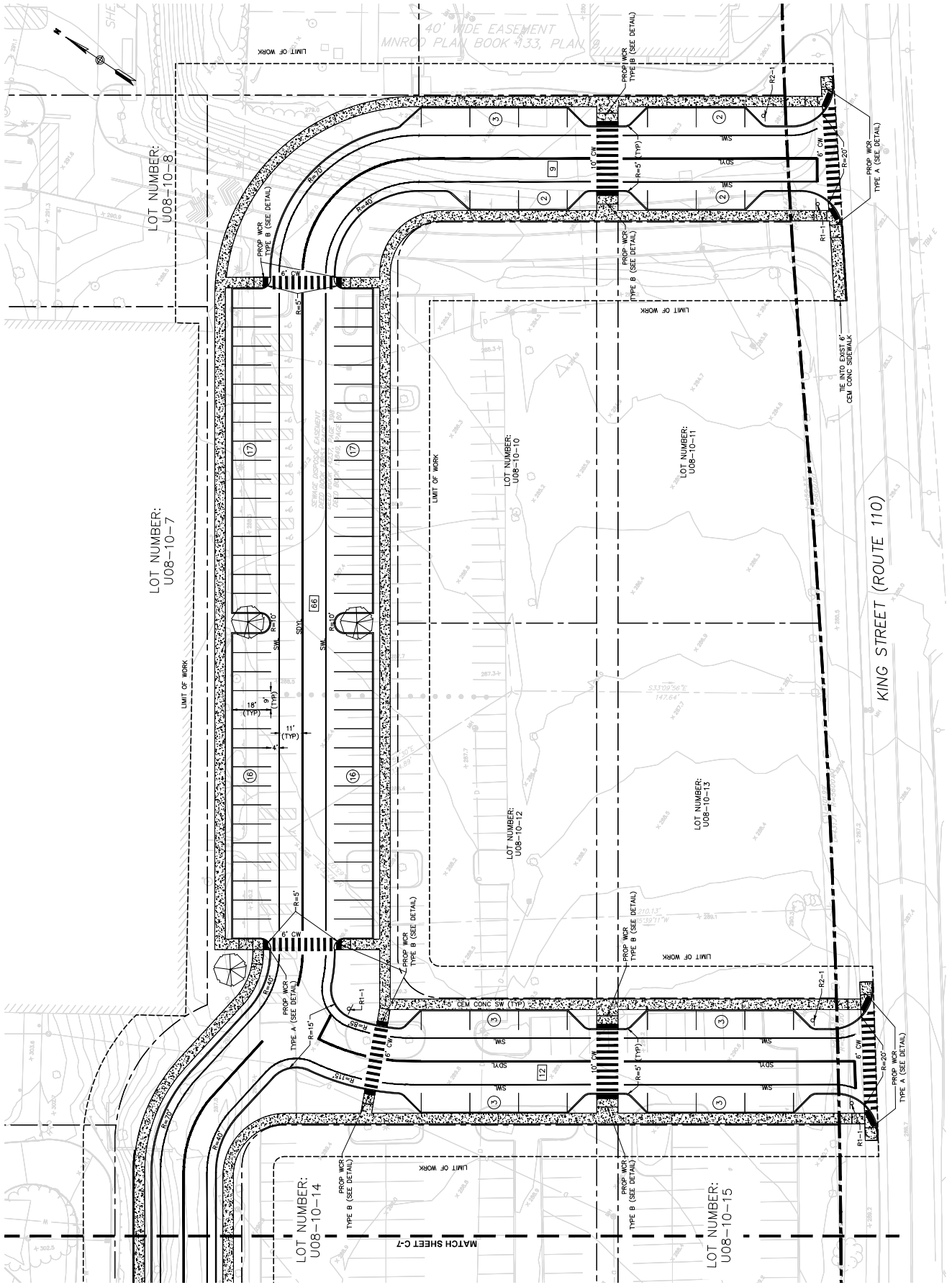
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PROJECT NO. _____



C-7

SHEET 7 OF 56



DRAWING TITLE
Layout Plan D

SUBDIVISION NAME & LOCATION
King Street Commons
 550 King Street
 Littleton, MA 01460

OWNER / APPLICANT / SUBDIVISOR
Lupoli Companies
 290 Merrimack Street
 Lawrence, MA 01840

DESIGNER / ENGINEER
TEC, Inc.
 282 Merrimack Street, 2nd Floor
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 978.944.1792
 www.TheEngineersCorp.com
 Lawrence | Hampton | Worcester
 DESIGNED BY: DJF DATE: 8-22-23
 CHECKED BY: CRP SCALE: 1"=20'

TEC
 The Engineers Corp.

PROJECT NO.
 11180

TEC CAD FILE
 11180 SITE

DATE
 8-22-23

CHECKED BY
 CRP

SCALE
 1"=20'

PROJECT NO.
 11180

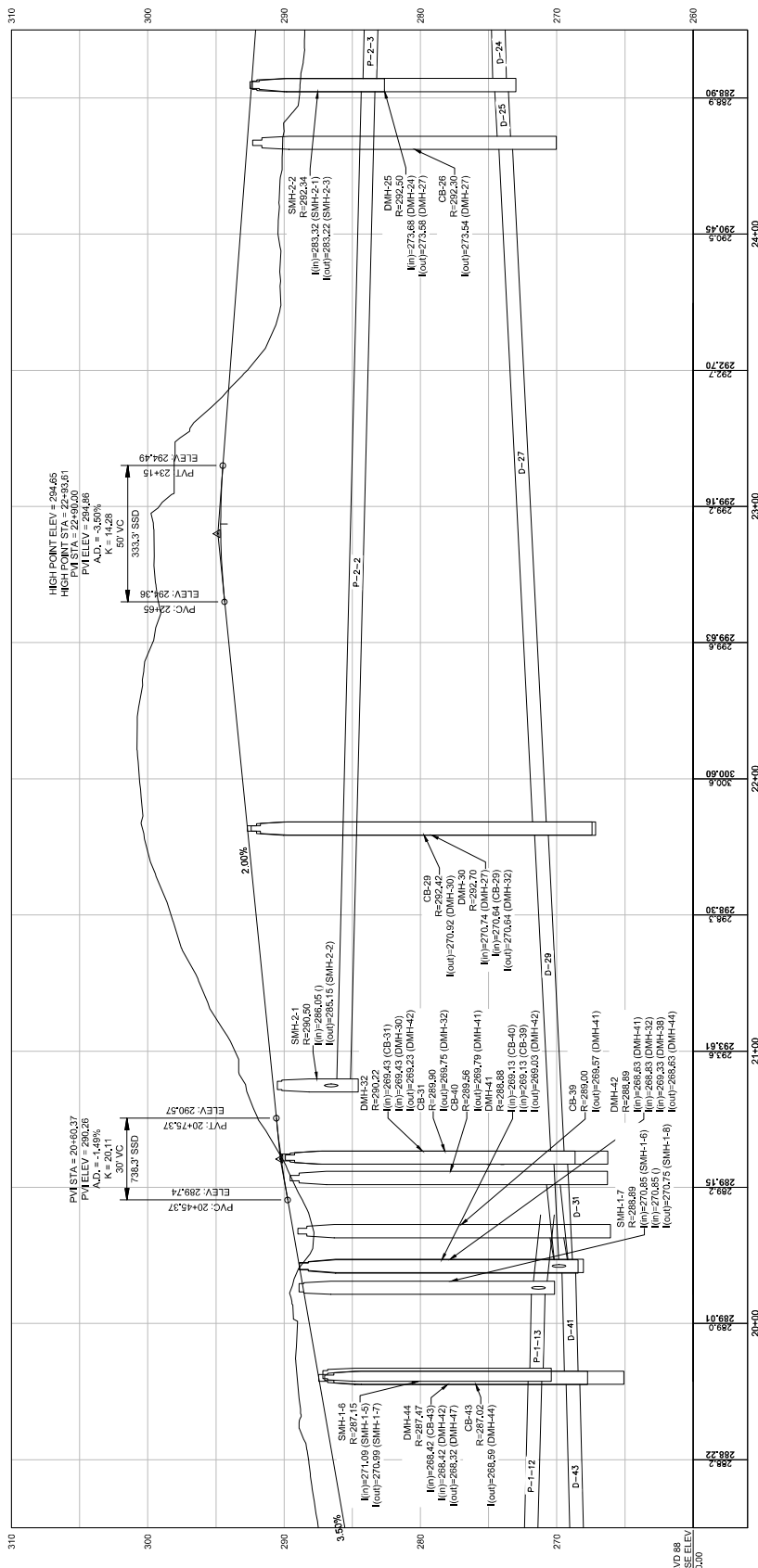
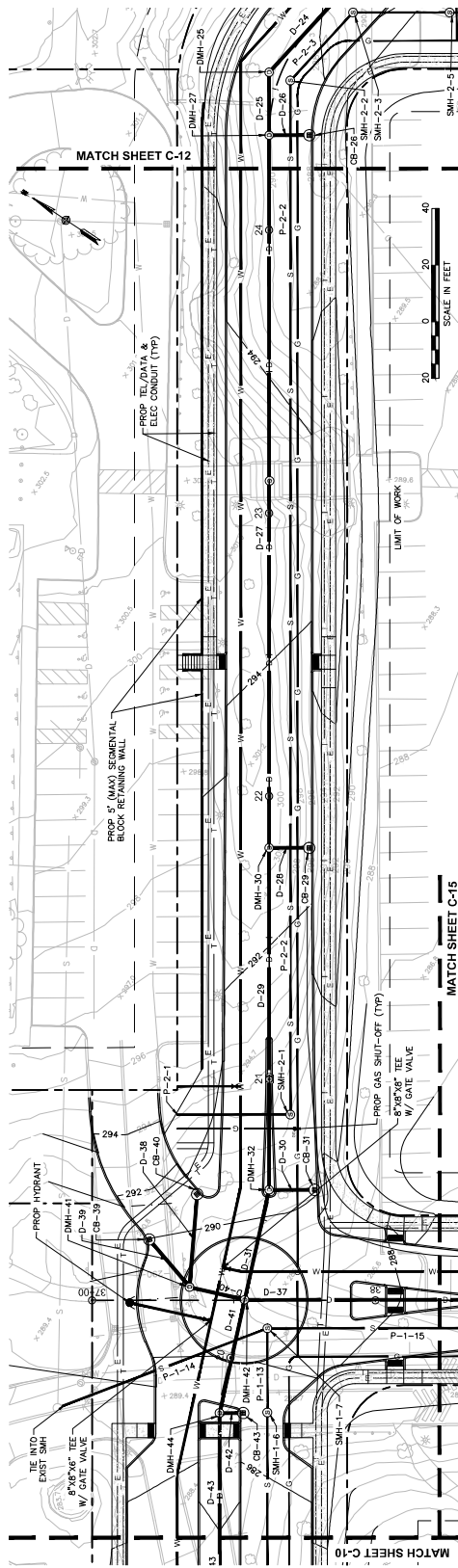
TEC CAD FILE
 11180 SITE

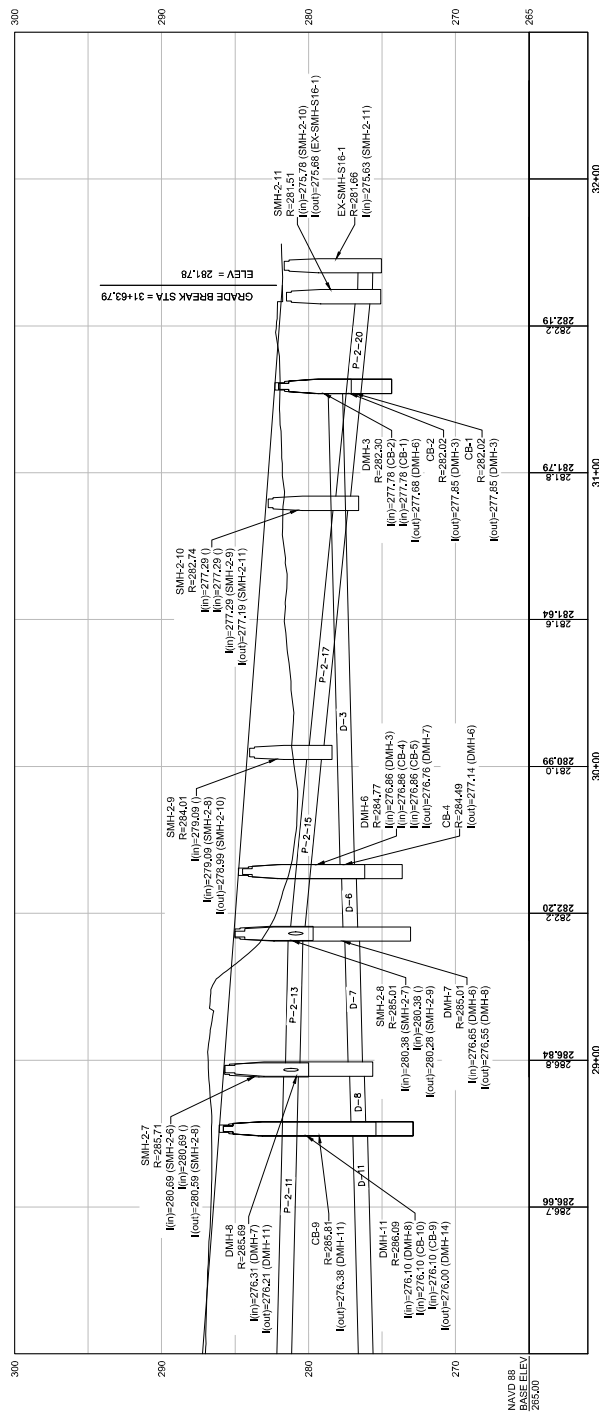
DATE
 8-22-23

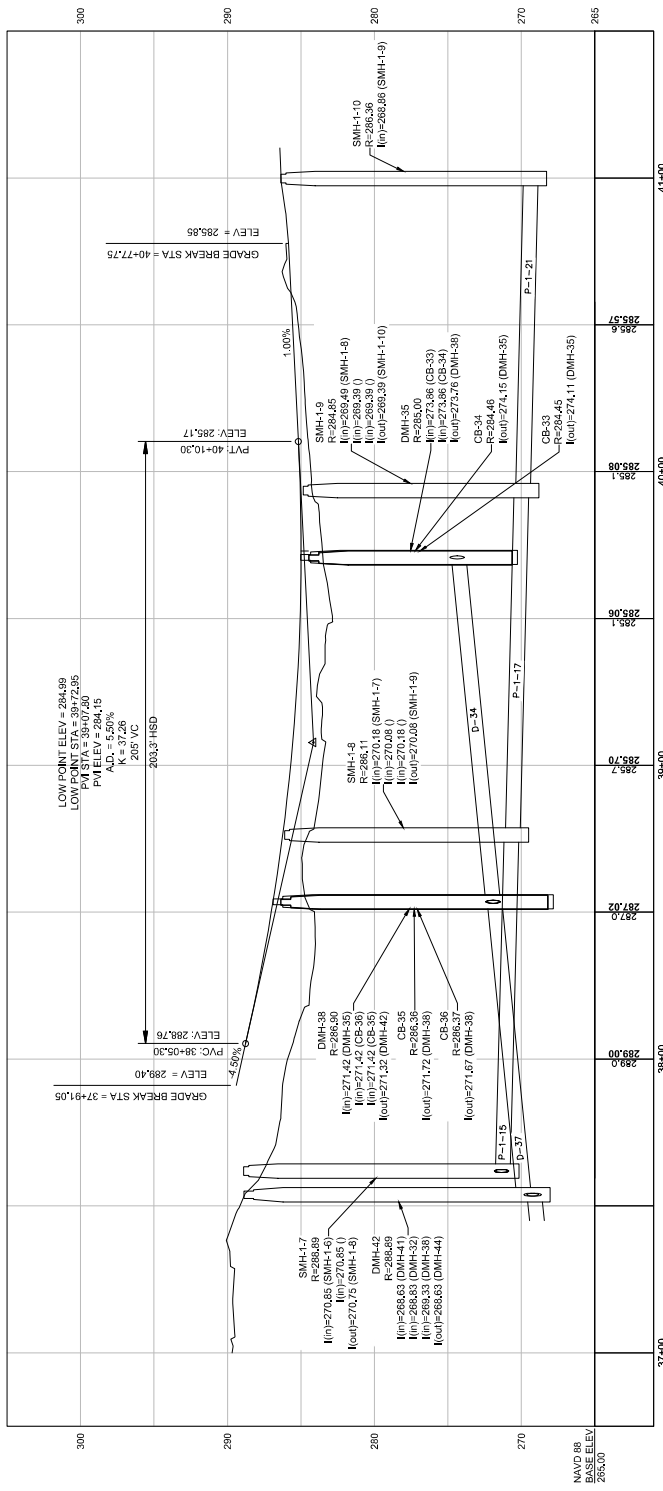
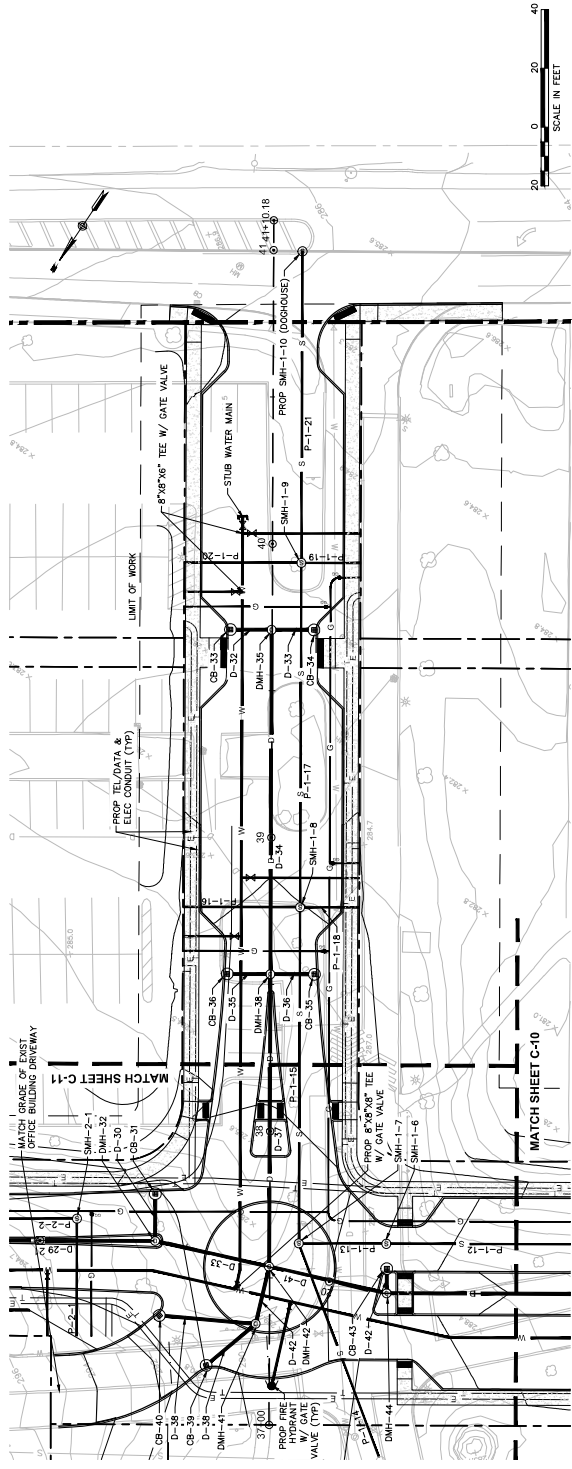
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 CRP

SCALE
 1"=20'

C-8
 SHEET 8 OF 36







DRAWING TITLE
Roadway Plan & Profile
South Road #1
SUBDIVISION NAME & LOCATION
King Street Commons
550 King Street
Littleton, MA 01460

OWNER / APPLICANT / SUBDIVISOR
Lupoli Companies
290 Merrimack Street
Lawrence, MA 01840

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CHECKED BY: CJP SCALE: AS NOTED

PROJECT NO.
T1188
TEC CAD FILE
T1188_P001.DWG
P00188-001

C-15
SHEET 15 OF 36

PHASE 1 SANITARY SEWER:

SEWER STRUCTURE DATA				
NO.	TYPE	STATION	RIM ELEV.	INV. ELEV. IN INV. ELEV. OUT
SMH-1-1	SMH-48	14+25.7 16.9 RT	278.51	I=274.15 (0) I=274.05' (SMH-1-2)
SMH-1-2	SMH-48	16+07.4 16.9 RT	278.95	I=273.16' (SMH-1-1) I=273.16' (0)
SMH-1-3	SMH-48	36+33.2 30.1 RT	275.99	I=274.71' (0) I=274.61' (SMH-1-4)
SMH-1-4	SMH-48	33+41.4 30.0 RT	273.51	I=273.15' (SMH-1-3) I=273.15' (0)
SMH-1-5	SMH-48	17+64.1 16.9 RT	280.73	I=272.28' (SMH-1-2) I=272.28' (0)
SMH-1-6	SMH-48	19+81.2 16.9 RT	287.15	I=271.09' (SMH-1-5) I=270.99' (SMH-1-7)
SMH-1-7	SMH-48	20+13.1 10.2 RT	288.89	I=270.65' (SMH-1-6) I=270.65' (0)
SMH-1-8	SMH-48	20+35.9 12.5 RT	286.11	I=270.18' (SMH-1-7) I=270.08' (0)
SMH-1-9	SMH-48	20+55.3 23.6 RT	284.85	I=269.49' (SMH-1-8) I=269.39' (0)
SMH-1-10	SMH-48	20+58.3 340.4 RT	285.36	I=268.99' (SMH-1-9) I=268.89' (0)

SEWER PIPE DATA				
PIPE	PIPE LOCATION	SIZE & TYPE	LENGTH	SLOPE
P-1-1	SMH-1-1 TO STA 14+30 TO 14+30	9" RCP	60 LF	0.005
P-1-2	SMH-1-1 TO SMH-1-2 STA 14+30 TO 16+07	12" RCP	174 LF	0.005
P-1-3	SMH-1-2 TO STA 16+07 TO 16+07	9" RCP	26 LF	0.005
P-1-4	SMH-1-2 TO SMH-1-3 STA 16+07 TO 17+64	12" RCP	153 LF	0.005
P-1-5	TO SMH-1-3 STA 16+07 TO 17+64	12" RCP	26 LF	0.005
P-1-6	TO SMH-1-3 STA 16+07 TO 17+64	9" RCP	28 LF	0.005
P-1-7	SMH-1-3 TO SMH-1-4 STA 16+07 TO 17+64	12" RCP	288 LF	0.005
P-1-8	SMH-1-4 TO STA 17+64 TO 17+64	9" RCP	88 LF	0.005
P-1-9	TO SMH-1-4 STA 17+64 TO 17+64	9" RCP	28 LF	0.005
P-1-10	SMH-1-4 TO SMH-1-5 STA 17+64 TO 17+64	12" RCP	150 LF	0.005
P-1-11	SMH-1-5 TO STA 17+64 TO 17+64	9" RCP	26 LF	0.005
P-1-12	SMH-1-5 TO SMH-1-6 STA 17+64 TO 17+64	12" RCP	213 LF	0.005
P-1-13	SMH-1-6 TO SMH-1-7 STA 17+64 TO 17+64	12" RCP	25 LF	0.005
P-1-14	TO SMH-1-7 STA 17+64 TO 20+13	9" RCP	76 LF	0.020
P-1-15	SMH-1-8 TO SMH-1-7 STA 16+07 TO 17+64	12" RCP	110 LF	0.005

SEWER PIPE DATA				
PIPE	PIPE LOCATION	SIZE & TYPE	LENGTH	SLOPE
P-1-16	SMH-1-8 TO STA 38+76 TO 38+76	9" RCP	38 LF	0.020
P-1-17	SMH-1-9 TO SMH-1-8 STA 39+64 TO 38+76	12" RCP	113 LF	0.005
P-1-18	TO SMH-1-8 STA 38+76 TO 38+76	9" RCP	18 LF	0.020
P-1-19	TO SMH-2-9 STA 39+64 TO 38+94	9" RCP	18 LF	0.020
P-1-20	SMH-1-9 TO STA 39+64 TO 38+94	9" RCP	38 LF	0.020
P-1-21	SMH-1-10 TO SMH-1-9 STA 41+00 TO 38+94	12" RCP	102 LF	0.005

PHASE 2 SANITARY SEWER:

SEWER STRUCTURE DATA				
NO.	TYPE	STATION	RIM ELEV.	INV. ELEV. IN INV. ELEV. OUT
EX-SMH-S16-1	SMH-48	31+70.5 5.0 RT	281.06	I=275.63' (SMH-2-11) I=285.15' (SMH-2-2)
SMH-2-1	SMH-48	20+67.4 7.5 RT	293.50	I=286.05' (0) I=283.22' (SMH-2-3)
SMH-2-2	SMH-48	24+54.7 4.1 RT	292.34	I=283.32' (SMH-2-1) I=282.96' (SMH-2-5)
SMH-2-3	SMH-48	24+89.3 7.5 RT	291.75	I=283.06' (SMH-2-2) I=283.80' (0)
SMH-2-4	SMH-48	46+04.1 10.0 RT	288.11	I=283.80' (0) I=282.79' (SMH-2-3)
SMH-2-5	SMH-48	29+12.3 32.0 RT	291.83	I=282.79' (SMH-2-3) I=282.78' (SMH-2-4)
SMH-2-6	SMH-48	26+20.2 7.5 RT	293.79	I=282.06' (SMH-2-5) I=282.06' (0)
SMH-2-7	SMH-48	28+96.7 4.1 RT	285.71	I=280.69' (SMH-2-6) I=280.59' (SMH-2-8)
SMH-2-8	SMH-48	29+43.1 4.2 RT	285.01	I=280.38' (SMH-2-7) I=280.38' (0)
SMH-2-9	SMH-48	30+04.8 7.6 RT	284.01	I=279.09' (SMH-2-8) I=278.99' (SMH-2-10)
SMH-2-10	SMH-48	30+88.6 7.5 RT	282.74	I=277.29' (0) I=277.29' (SMH-2-9)
SMH-2-11	SMH-48	31+60 7.5 RT	281.51	I=275.76' (SMH-2-10) I=275.68' (EX-SMH-S16-1)

SEWER PIPE DATA				
PIPE	PIPE LOCATION	SIZE & TYPE	LENGTH	SLOPE
P-2-1	SMH-2-1 TO STA 20+67 TO 20+67	9" RCP	38 LF	-0.020
P-2-2	SMH-2-1 TO SMH-2-2 STA 20+67 TO 24+55	12" RCP	381 LF	0.005
P-2-3	SMH-2-2 TO SMH-2-3 STA 24+55 TO 24+89	12" RCP	29 LF	0.005
P-2-4	SMH-2-3 TO SMH-2-5 STA 24+89 TO 25+12	12" RCP	30 LF	0.005
P-2-5	SMH-2-4 TO STA 46+04 TO 46+04	9" RCP	18 LF	0.005
P-2-6	TO SMH-2-4 STA 46+04 TO 46+04	9" RCP	38 LF	0.005
P-2-7	SMH-2-4 TO SMH-2-5 STA 46+04 TO 44+27	12" RCP	179 LF	0.005
P-2-8	SMH-2-5 TO SMH-2-6 STA 25+12 TO 28+20	12" RCP	121 LF	0.005
P-2-9	TO SMH-2-6 STA 28+20 TO 28+20	9" RCP	50 LF	0.005
P-2-10	SMH-2-6 TO STA 28+20 TO 26+20	9" RCP	36 LF	0.005
P-2-11	SMH-2-6 TO SMH-2-7 STA 26+20 TO 28+97	12" RCP	271 LF	0.005
P-2-12	TO SMH-2-7 STA 28+97 TO 28+97	9" RCP	50 LF	0.005
P-2-13	SMH-2-7 TO SMH-2-8 STA 28+97 TO 29+43	12" RCP	38 LF	0.005
P-2-14	TO SMH-2-8 STA 29+43 TO 29+43	9" RCP	38 LF	0.005
P-2-15	SMH-2-8 TO SMH-2-9 STA 29+43 TO 30+05	12" RCP	56 LF	0.020

SEWER PIPE DATA				
PIPE	PIPE LOCATION	SIZE & TYPE	LENGTH	SLOPE
P-2-16	SMH-2-9 TO STA 30+90 TO 30+90	9" RCP	20 LF	0.005
P-2-17	SMH-2-9 TO SMH-2-10 STA 30+90 TO 30+90	12" RCP	81 LF	0.020
P-2-18	TO SMH-2-10 STA 30+90 TO 30+90	9" RCP	21 LF	0.005
P-2-19	TO SMH-2-10 STA 30+90 TO 30+90	9" RCP	36 LF	0.005
P-2-20	SMH-2-10 TO SMH-2-11 STA 30+90 TO 31+60	12" RCP	69 LF	0.020
P-2-21	SMH-2-11 TO EX-SMH-S16-1 STA 31+60 TO 31+70	12" RCP	7 LF	0.005

DRAWING TITLE
**Sanitary Sewer
Tables**

SUBDIVISION NAME & LOCATION
**King Street
Commons
550 King Street
Littleton, MA 01460**

OWNER / APLICANT / SUBDIVISOR
**Lupoli Companies
290 Merrimack Street
Lawrence, MA 01840**



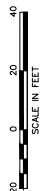
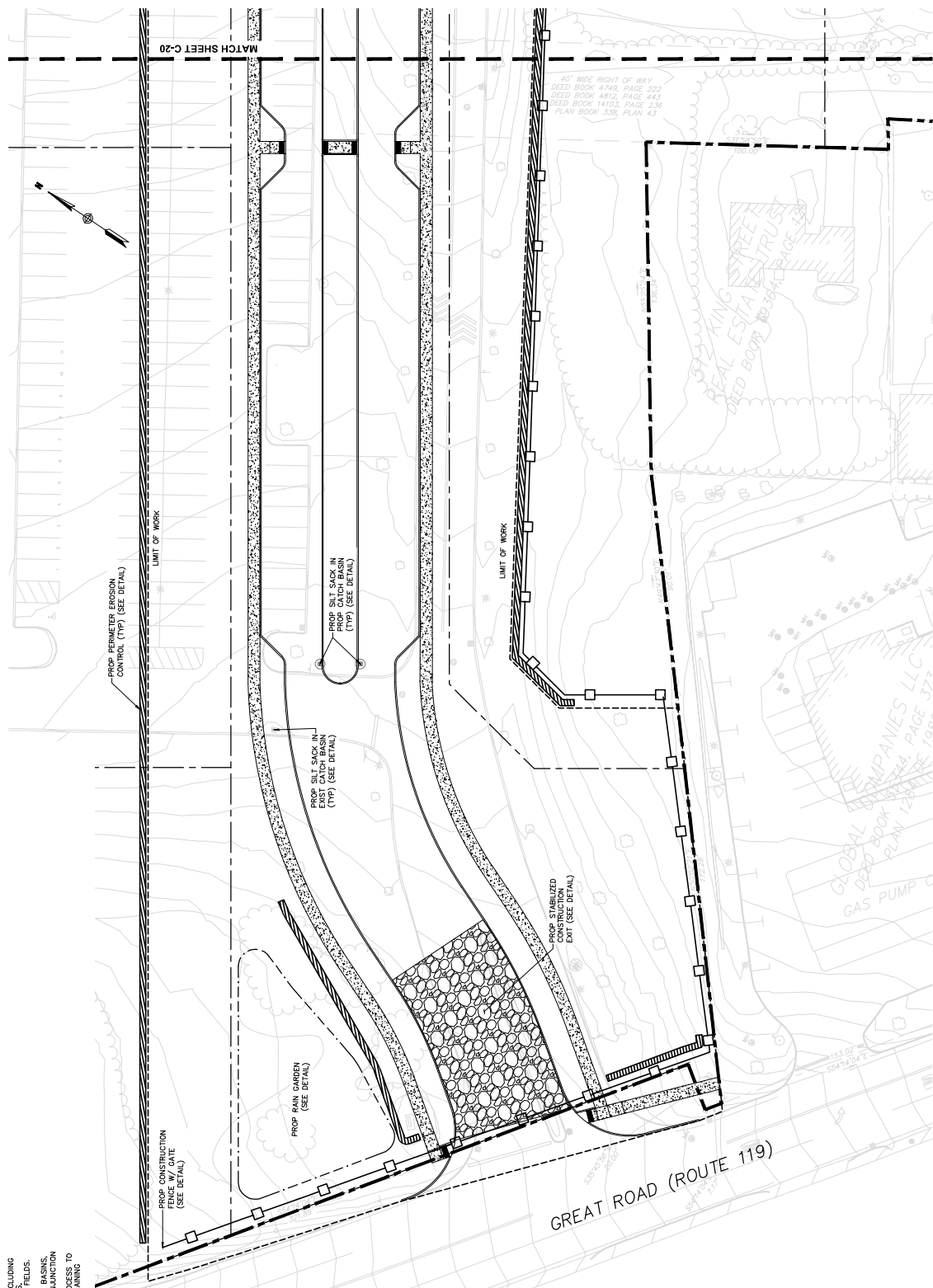
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DESIGNED BY: RJP DATE: 8-22-23
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TEC CAD FILE
T1188_PSWELL
08/22/2023
C-17
SHEET 17 OF 36

5. THE APPLICANT IS REQUIRED TO CLEAN UP ANY SAND, DIRT, OR DEBRIS WHICH ERODES FROM THE SUBDIVISION ONTO ANY PUBLIC STREET OR PRIVATE PROPERTY, AND TO REMOVE SILT OR DEBRIS THAT ENTERS ANY EXISTING DRAINAGE SYSTEM INCLUDING DITCHES, CULVERTS, OR DRAINAGE DITCHES WITHIN 24 HOURS OF BEING NOTED BY THE TOWN.
6. HAY BALES OR BOARD APPROVED EQUIVALENT MUST BE USED TO PROTECT EACH EROSION FROM THE PROPOSED STREET TO BE OPENED FROM THE ERODING SOILS AND PROVIDE A CHECK DAM TO SLOW RUNOFF DURING CONSTRUCTION.

- NOTES:
1. LAND SHALL BE DEVELOPED IN INCREMENTS OF GRASS, SINGLE CONSTRUCTION SEASON. EROSION AND SEDIMENTATION SHALL BE PREVENTED AND CONTROLLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE PERMITS, COORDINATED WITH THE SEQUENCE OF GRADING, DEVELOPMENT AND CONSTRUCTION OPERATIONS. EROSION CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. INTERCEPT DITCHES, MULCHING, TEMPORARY SLOPE PROTECTION, AND OTHER EROSION CONTROL MEASURES SHALL BE PUT INTO EFFECT PRIOR TO THE COMMENCEMENT OF EACH INCREMENT OF THE DEVELOPMENT.
 2. DEVELOPMENT/CONSTRUCTION PROCESS SHALL BE MAINTAINED AS CLOSE AS POSSIBLE TO EXISTING CONDITIONS BEFORE DEVELOPMENT BY REDUCING CUT AND FILL AND OTHER CONSERVATIONS.
 3. DEVELOPMENT SHALL BE COMPLETED WITHIN THE SPECIFIED TIME FRAME AND WITHIN THE SPECIFIED BUDGET.
 4. BUT NOT LIMITED TO FLOODPLAIN, WETLANDS, ADJACENT RECREATION AREAS, AND TOWN WELLS.
 5. SEDIMENT BASINS (DEBRIS BASINS, DESILTING BASINS, OR SILET BASINS) SHALL BE INSTALLED IN CONJUNCTION WITH THE DEVELOPMENT PROCESS TO PREVENT SEDIMENTATION THROUGH THE DEVELOPMENT PROCESS TO MAINTAIN LAND UNDERGOING DEVELOPMENT FROM LAND UNDERGOING DEVELOPMENT.



DRAWING TITLE
**Erosion &
Sedimentation Control
Plan A**

King Street Commons
550 King Street
Littleton, MA 01460

OWNER / APPLICANT / SUBDIVIDER
Lupoli Companies
290 Merrimack Street
Lawrence, MA 01840

DESIGNER / ENGINEER



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Lawrence | Hampton | Worcester
DESIGNED BY RJF DATE 8-22-23
CHECKED BY CJR SCALE 1"=20'

CHECKED BY CPR SCALE 1"=20'

UNCLASSIFIED

PROJECT NO. T1180

TEC CAD FILE

FRIBERG JR.
CIVIL
T1120 ER

12100-204
DRAWING NO.

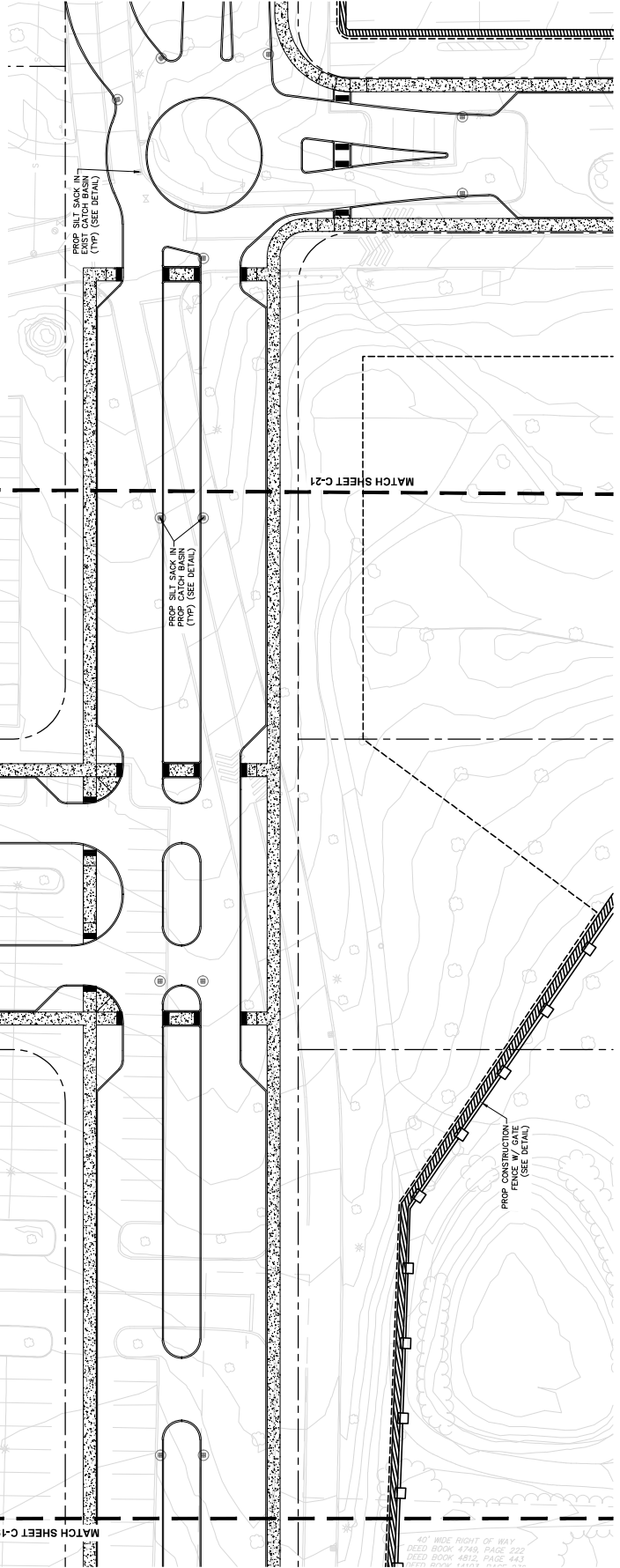
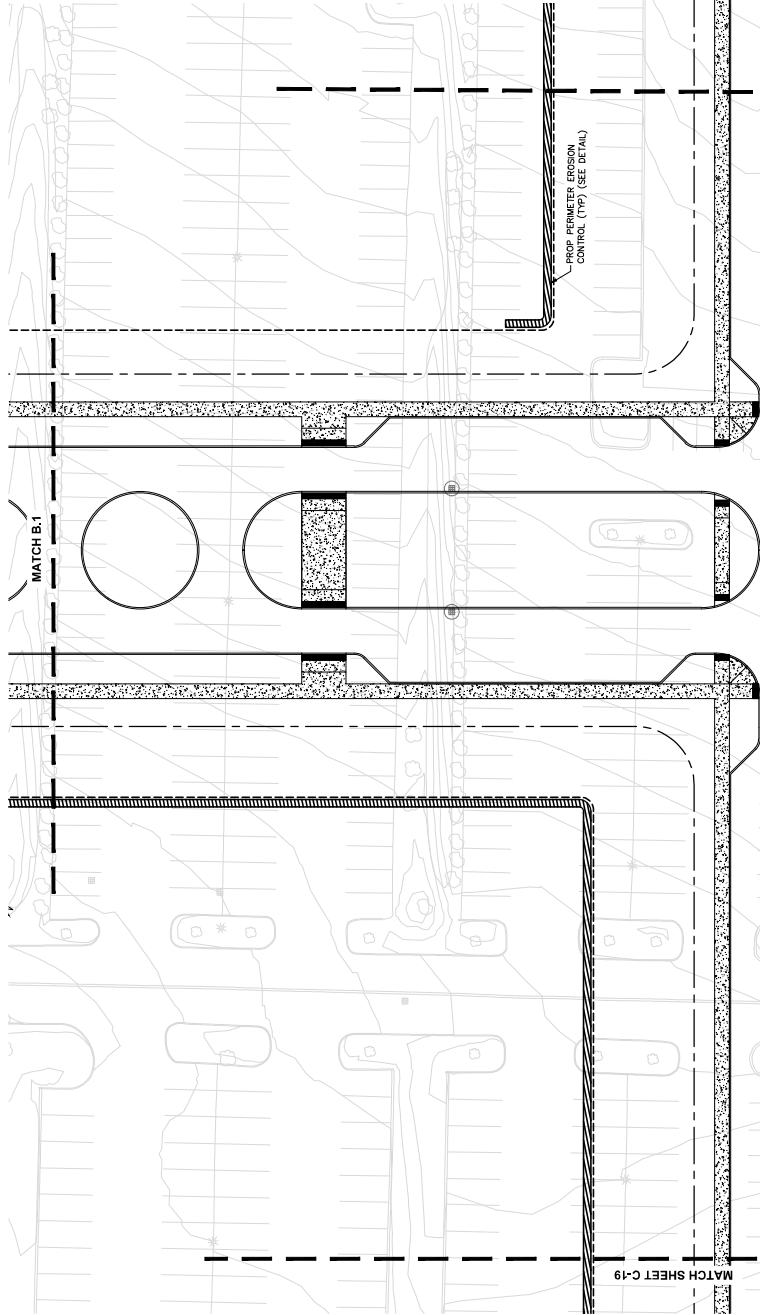


Professional Engineer
Registration Stamp

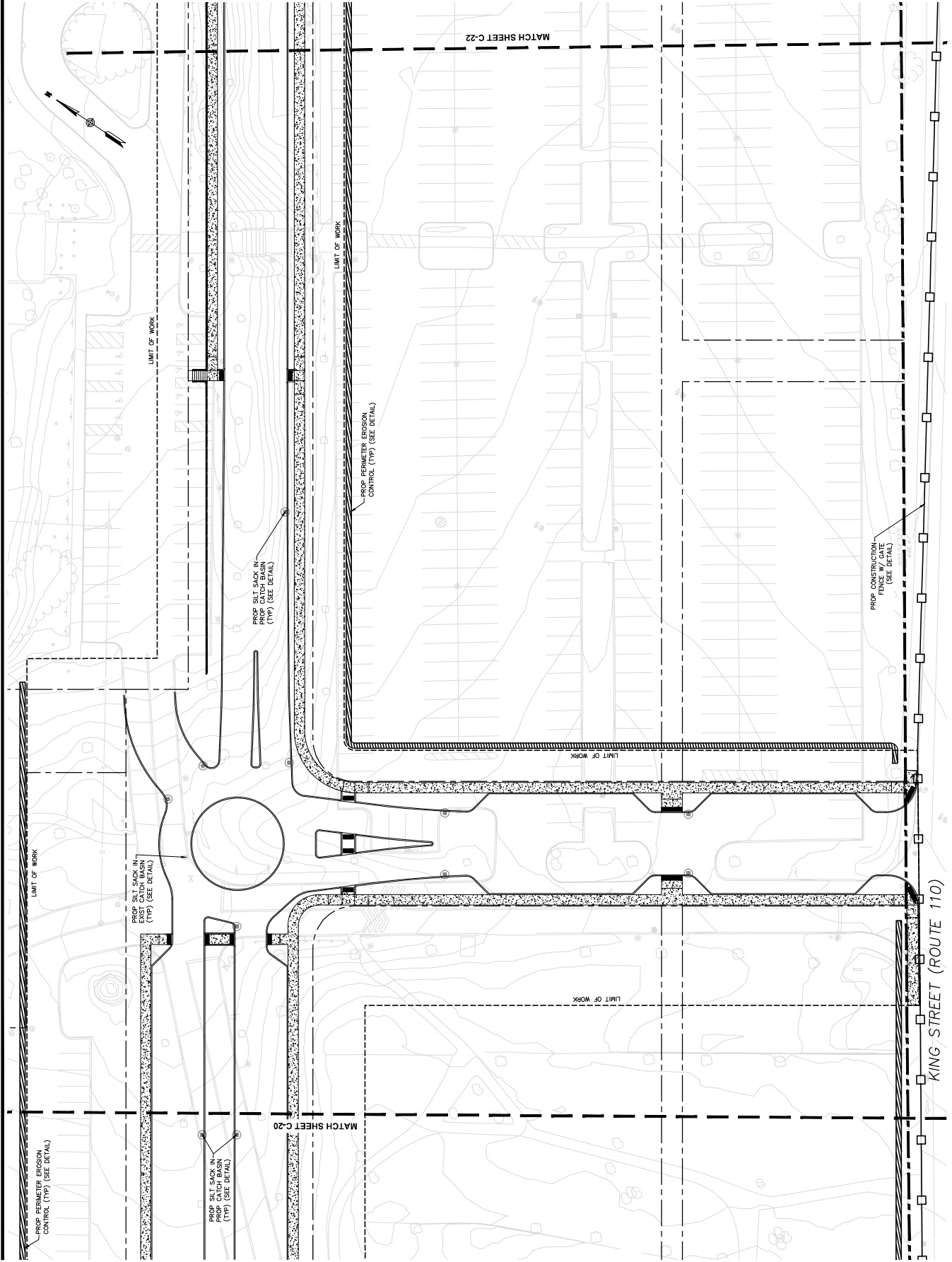


ಕರ್ನಾಟಕ ಸರ್ಕಾರ

SHEET 19 OF 56



SHEET 20 OF 56



DRAWING TITLE
Erosion & Sedimentation Control Plan C

SUBSTANTIATION WATER LOCATION
King Street Commons
550 King Street
Littleton, MA 01460

OWNER / APPLICANT / SUBMITTER
Lupoli Companies
290 Merrimack Street
Lawrence, MA 01840

DESIGNER / ENGINEER



TEC, Inc.
282 Merrimack Street, 2nd Floor
Lawrence, Massachusetts 01843
978.944.1792
www.TheEngineeringCompany.com
Lawrence | Hampton | Worcester

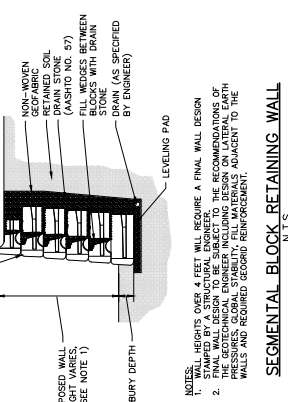
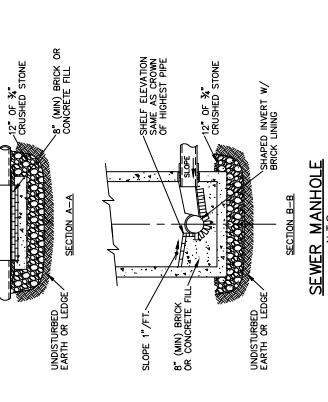
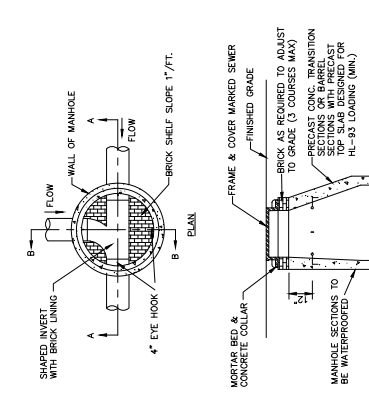
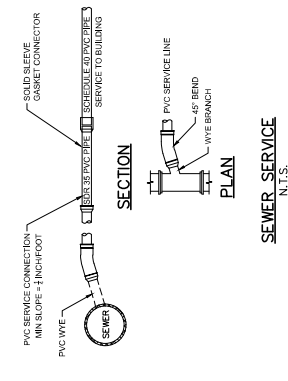
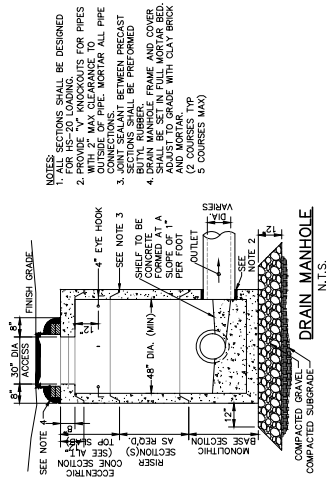
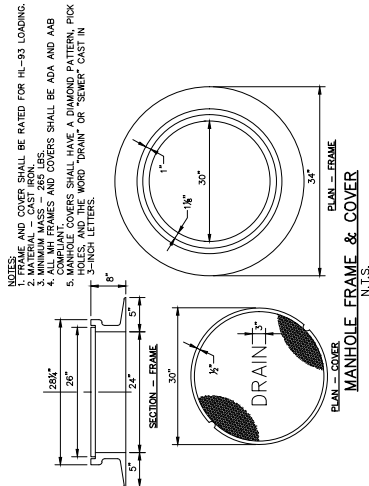
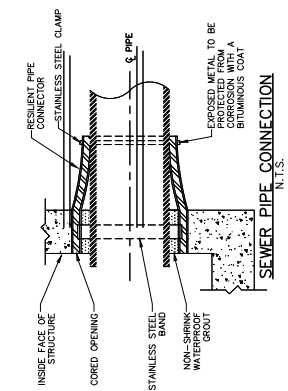
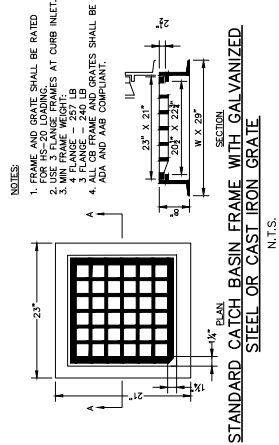
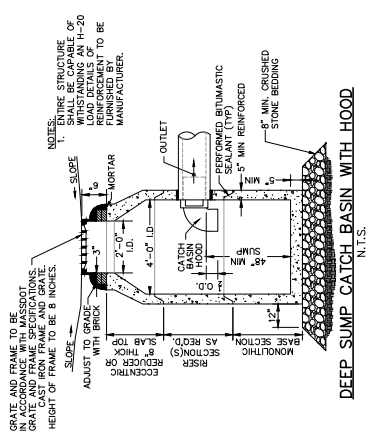
DESIGNED BY: RJE DATE: 8-22-23
CHECKED BY: CDR SCALE: 1"=20'

PROJECT NO.
T1180
TEC CAD FILE
T1180.DWG
3/20/2024



C-21
SHEET 21 OF 36





CONSTRUCTION DETAILS

King Street Commons

550 King Street

Littleton, MA 01460

DESIGNER / ARCHITECT / SUBDIVISOR

Lupoli Companies

290 Merrimack Street

Lawrence, MA 01840

PROJECT NO.

11188

TEC CAD FILE

DATE 8-22-23

SCALE NOT TO SCALE

CHECKED BY: [Signature]

DATE 8-22-23

DESIGNER / ARCHITECT / SUBDIVISOR

TEC, Inc.

282 Merrimack Street, 2nd Floor

Lawrence, Massachusetts 01843

978.944.1792

www.TECinc.com

Lawrence | Hampton | Worcester

PROJECT NO.

11188

TEC CAD FILE

DATE 8-22-23

SCALE NOT TO SCALE

CHECKED BY: [Signature]

DATE 8-22-23

PROJECT NO.

11188

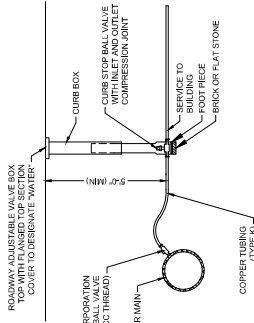
TEC CAD FILE

DATE 8-22-23

SCALE NOT TO SCALE

CHECKED BY: [Signature]

DATE 8-22-23

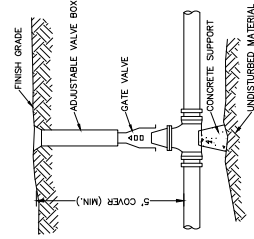


NOTES:

1. ALL WATER LINES 4" OR GREATER SHALL BE DUCTILE IRON WITH AN 8 MIL POLYETHYLENE WRAP. CONTRACTOR MAY FORGO WRAPPING PIPE IF THE DUCTILE IRON PIPE IS ZINC-COATED, TEES AND ELBS ARE GALVANIZED AND THE VALVE IS GALVANIZED.
2. WATER SERVICE LINES SHALL BE COPPER TUBING (TYPE K) BETWEEN MAIN AND CURB STOP.
3. SERVICE BETWEEN CURB STOP AND BUILDING MAY BE SDR 9 CTS (BLUE) PLASTIC POLYETHYLENE RATED FOR 250 PSI.

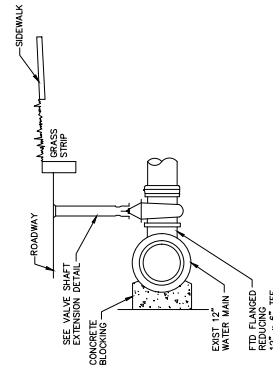
WATER SERVICE CONNECTION

N.T.S.



WATER GATE VALVE

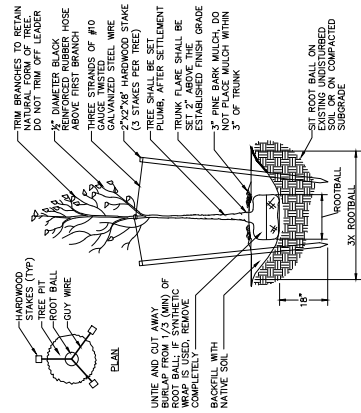
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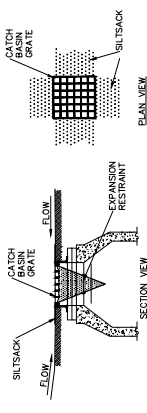
FIRE SERVICE CONNECTION

N.T.S.

BENDS		B	C	D	E	F	BENDS		B	C	D	E	F
6"	11- $\frac{1}{2}$ "	8" 15"	12" 24"	12" 24"	12" 24"	12" 24"	6"	45"	8" 30"	12" 24"	12" 24"	12" 24"	14"
6"	22- $\frac{1}{2}$ "	8" 19"	12" 24"	12" 24"	13" 6"	13" 6"	8"	40"	8" 30"	12" 24"	12" 24"	12" 24"	27"
8"	11- $\frac{1}{2}$ "	8" 20"	12" 24"	12" 24"	12" 24"	12" 24"	6"	95"	8" 30"	12" 24"	12" 24"	12" 24"	24"
8"	22- $\frac{1}{2}$ "	8" 22"	12" 24"	12" 24"	12" 24"	17" 8"	90"	8" 38"	12" 24"	12" 24"	12" 24"	12" 24"	36"
12"	11- $\frac{1}{2}$ "	8" 30"	12" 24"	12" 24"	12" 24"	15" 12"	95"	8" 40"	12" 24"	12" 24"	12" 24"	12" 24"	40"
12"	22- $\frac{1}{2}$ "	8" 35"	12" 24"	12" 24"	15" 12"	25" 12"	90"	8" 60"	11" 24"	12" 24"	12" 24"	12" 24"	52"

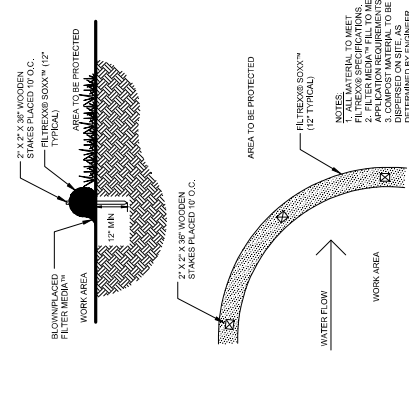


TREE PLANTING
N.T.S.

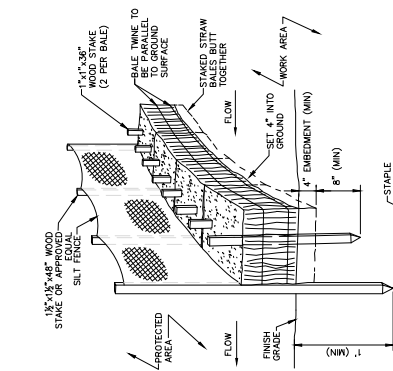


- NOTES:**
1. INSTALL SILTSACK IN EXISTING CATCH BASIN BEFORE COMMENCING WORK, AND IN NEW CATCH BASINS IMMEDIATELY AFTER INSTALLATION OF STRUCTURE. MAINTAIN SILTSACK IN PLACE UNTIL EROSION CONTROL MEASURING IS COMPLETE OR A PERMANENT STAND OF GRASS HAS BEEN ESTABLISHED.
 2. GRATE TO BE PLACED OVER SILTSACK.
 3. SILTSACKS SHALL BE REPLACED PROMPTLY AND AFTER ALL STORM EVENTS. AND CLEANING OR REPLACEMENT SHALL BE PERFORMED PROMPTLY AS NEEDED.

SILT PROTECTION - INLET PROTECTION -
N.T.S.



SILTSACK PERIMETER EROSION BARRIER DETAIL
N.T.S.

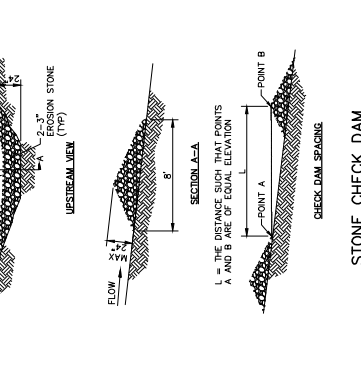


EROSION CONTROL BARRIER
N.T.S.

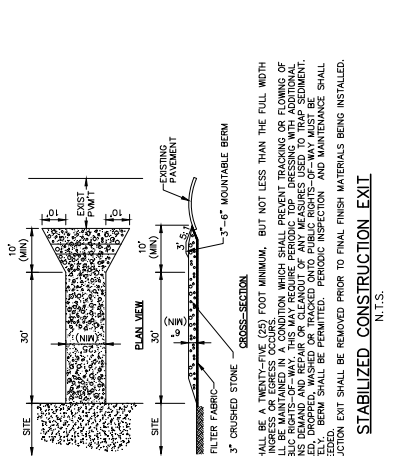
- NOTES:**
1. FILTER CLOTH SHALL BE FASTENED SECURELY TO POSTS WITH STAPLES. POSTS SHALL BE SPACED 8'-10' ON CENTER.
 2. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY 12\"/>



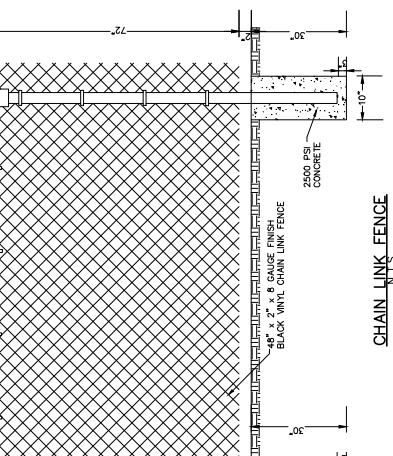
STONE CHECK DAM
N.T.S.



CHAIN LINK FENCE
N.T.S.



STABILIZED CONSTRUCTION EXIT
N.T.S.



SOIL STOCKPILE
N.T.S.

Construction Details

King Street Commons

550 King Street
Littleton, MA 01460

OWNER / ARCHITECT / SUBDIVISOR

Lupoli Companies
290 Merrimack Street
Lawrence, MA 01840

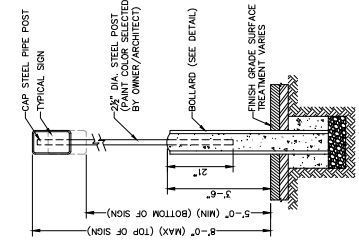
DESIGNER / ENGINEER

TEC
The Engineering Company

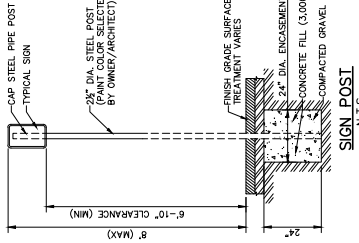
TEC, Inc.
282 Merrimack Street, 2nd Floor
Lawrence, Massachusetts 01843
978.944.1792
www.TheEngineeringCo.com
Lawrence | Hampton | Worcester
DESIGNED BY: EJP DATE: 6-23-23
CHECKED BY: CJP SCALE: NOT TO SCALE

PROJECT NO.: T1188
TEC CAD FILE: T1188_DET
DRAWN BY: J. WILSON
DATE: 6-23-23

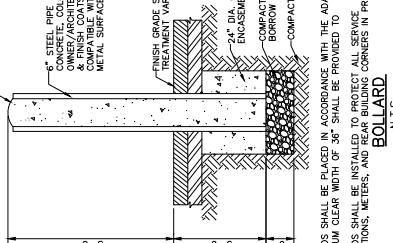
C-27
SHEET 27 OF 56



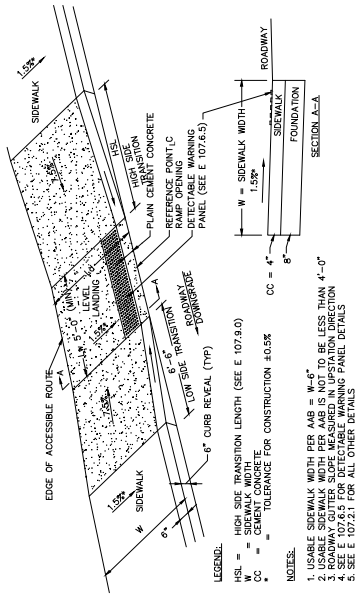
BOLLARD MOUNTED SIGN
N.T.S.



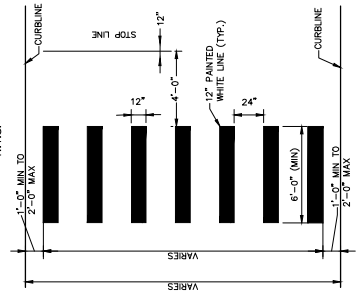
SIGN POST
N.T.S.



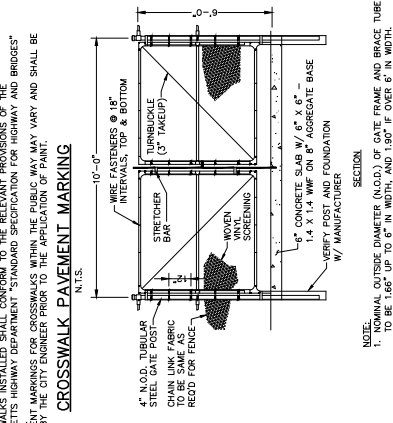
BOLLARD
N.T.S.



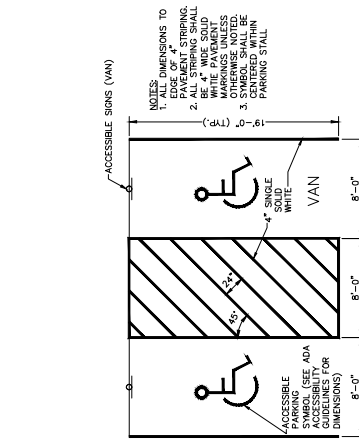
WHEEL CHAIR RAMP TYPE A
N.T.S.



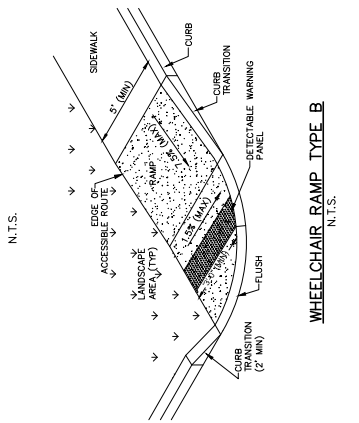
WHEEL CHAIR RAMP TYPE B
N.T.S.



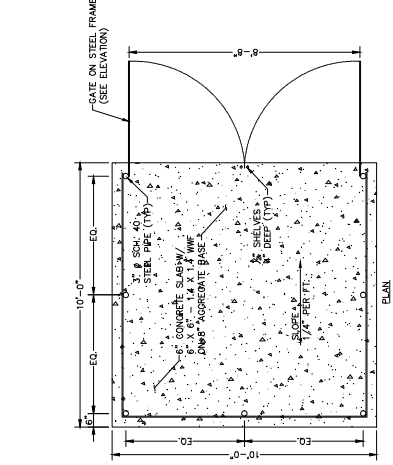
CROSSWALK PAVEMENT MARKING
N.T.S.



ACCESSIBLE PARKING STALL STRIPING DETAIL
N.T.S.



WHEEL CHAIR RAMP TYPE B
N.T.S.



DUMPSTER PAD AND ENCLOSURE
N.T.S.

Construction Details

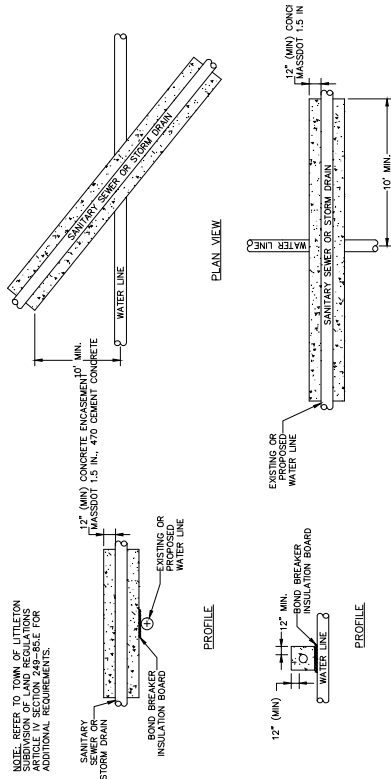
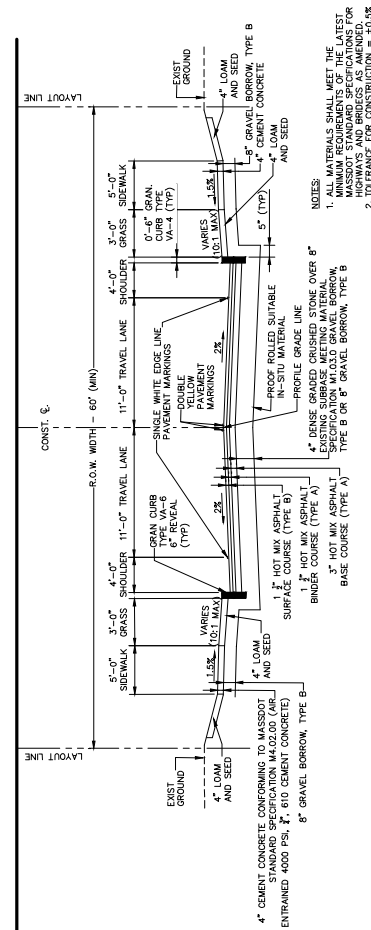
King Street Commons
550 King Street
Littleton, MA 01460

OWNER / ARCHITECT / SUBDIVISOR
Lupoli Companies
290 Merrimack Street
Lawrence, MA 01840

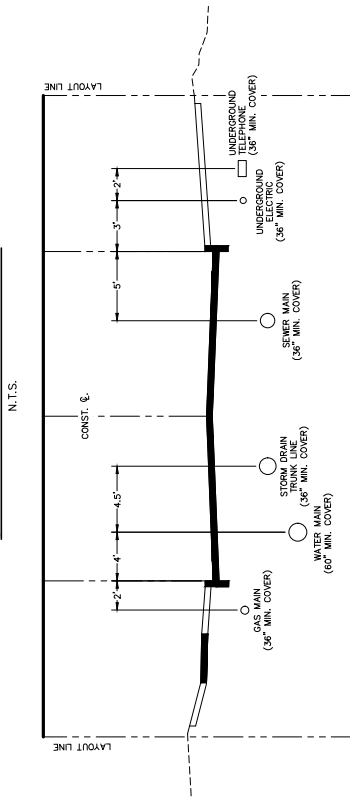
DESIGNER / ENGINEER
TEC, Inc.
282 Merrimack Street, 2nd Floor
Lawrence, Massachusetts 01843
www.tec-engineering.com
Lawrence | Hampton | Worcester

DESIGNED BY: [Signature] DATE: 8-20-23
CHECKED BY: [Signature] DATE: NOT TO SCALE

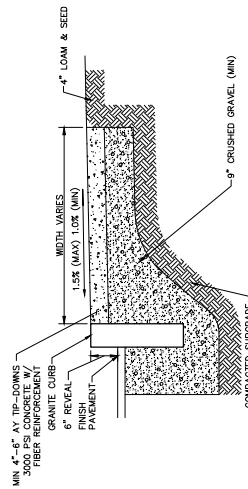
PROJECT NO. T1188
TEC CAD FILE T1188_CAD
DRAWING NO. C-28
SHEET 38 OF 56



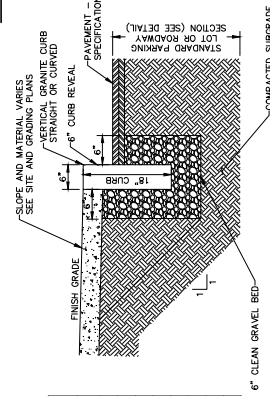
COLLECTOR ROAD TYPICAL SECTION



ROADWAY UTILITIES – TYPICAL SECTION



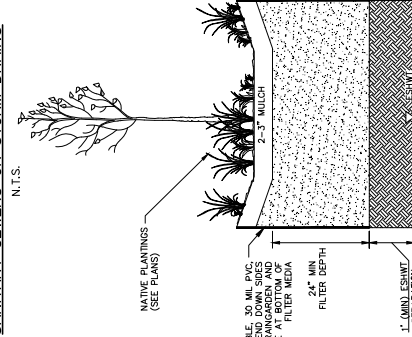
RADIUS	MAX LENGTH USE CURVED CURB
<21'	3'
12'	4'
22'-28'	5'
29'-35'	6'
36'-42'	7'
43'-49'	8'
50'-56'	9'
57'-60'	10'
OVER 60'	



CONCRETE SIDEWALK



TYPICAL CONCRETE ENCASEMENT OF SANITARY SEWERS OR STORM DRAINS



1. **DO NOT PLACE THE BOREHOLENTION**
NOTE: THE BOREHOLENTION HAS BEEN PLANTED AND ITS BUMP CONTRIBUTING AREAS HAVE BEEN FULLY PLANTED.
2. **DO NOT DISCHARGE SEDIMENT+ADEN**
WATERS FROM CONSTRUCTION ACTIVITIES IN THE BOREHOLE AREA DURING ANY STAGING OF CONSTRUCTION. SO SURFACE TO BE CONSTRUCTED SHALL BE PROTECTED WITH CONSTRUCTION EQUIPMENT. IF EQUIPMENT POSITIONED OUTSIDE THE LIMITS OF THE INFILTRATION, THE FILTER MEDIA SHALL CONSIST OF 50R TO 55R BY VOLUME SAND THAT IS 100% PASSING THE NUMBER 20 SIEVE. THE REQUIREMENTS FOR ASTM C-333 VOLUME OF LOAM SAND TOPSOIL WITH 15R TO 25R FINE PASSING THE NUMBER 20 SIEVE SHALL BE MODERATELY TO MODERATELY FINE SHREDDED BARK OR WOOD FIBER MULCH WITH LESS THAN 5% WOOD FIBER MULCH.

Construction Details

King Street
Commons
550 King Street
Littleton, MA 01460

QUESTIONS / ANSWERS

Lupoli Companies
290 Merrimack Street
Lawrence, MA 01840

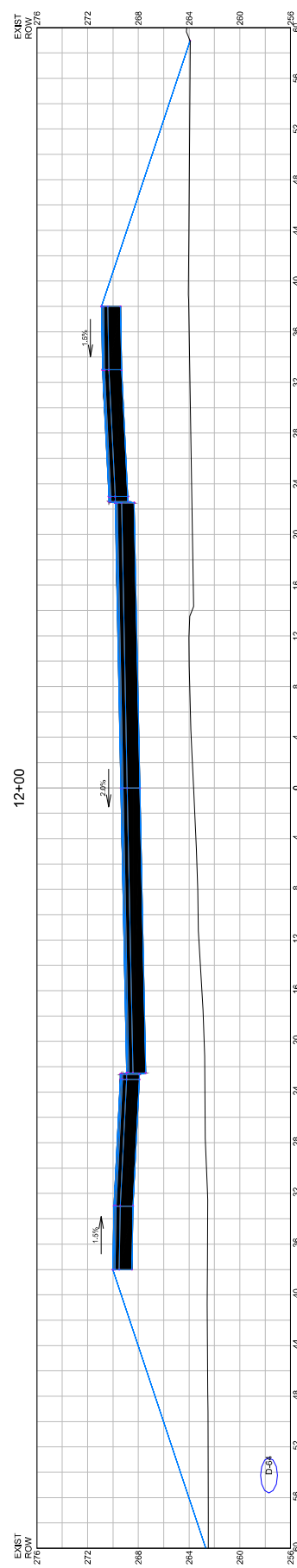
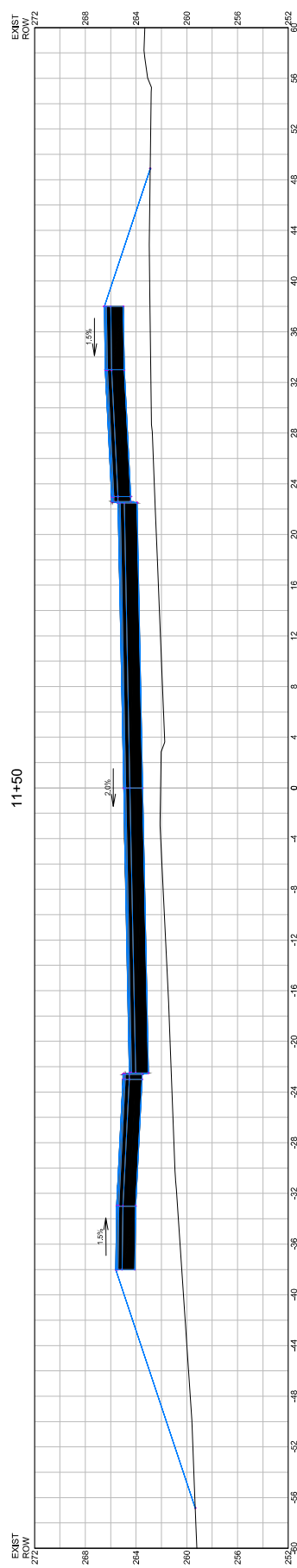
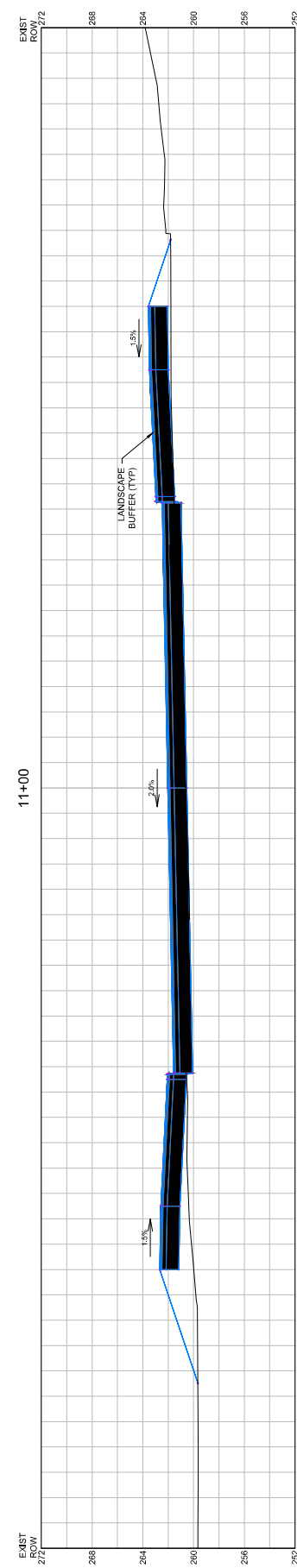
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TEC, Inc.
282 Merrimack Street, 2nd Floor
Lawrence, Massachusetts 01843
978.794.1792
www.TheEngineeringCorp.com
Lawrence | Hampton | Worcester
DESIGNED BY R/F DATE 8-22-23



C-29

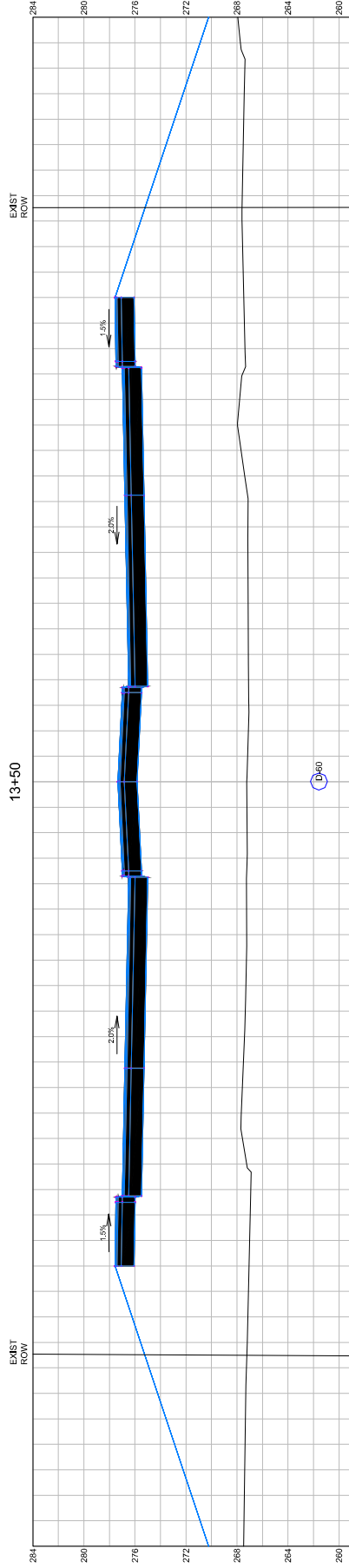
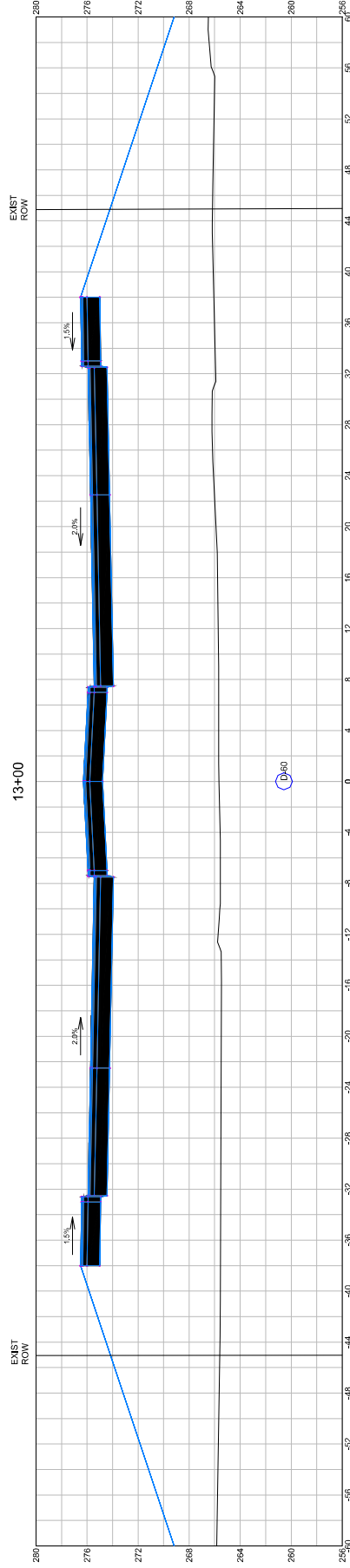
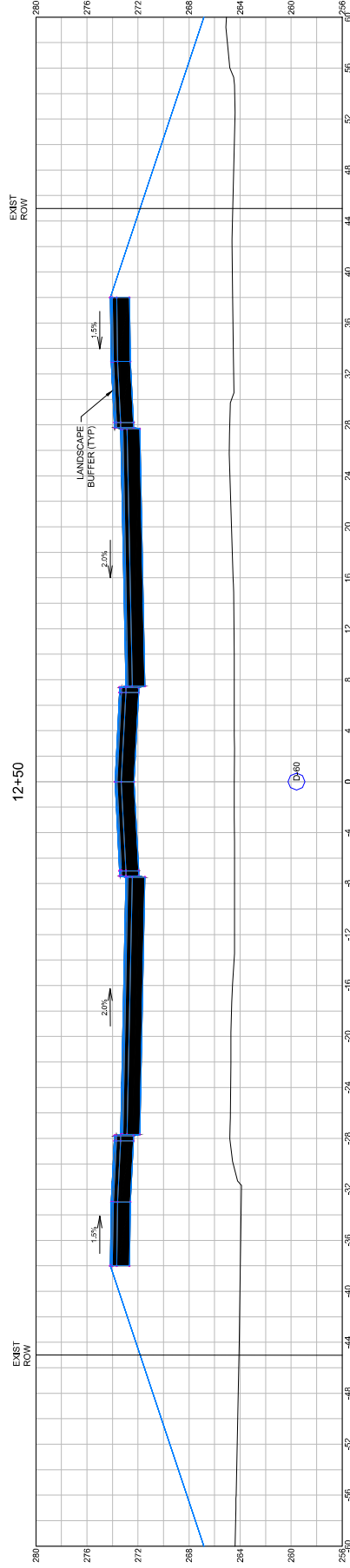
NOTES:
1. LANDSCAPE BUFFERS
TO BE A MAX OF 1:10
SLOPE



HORIZONTAL AND VERTICAL SCALE
SCALE IN FEET
4 0 4 8

DRAWING TITLE
**Roadway Cross
Sections
11+00 to 12+00**
SUBDIVISION NAME & LOCATION
**King Street
Commons
550 King Street
Littleton, MA 01460**
OWNER / APPLICANT / SUPERVISOR
**Lupoli Companies
290 Merrimack Street
Lawrence, MA 01840**
DESIGNER / ENGINEER

TEC
The Engineering Corp.
TEC, Inc.
282 Merrimack Street, 2nd Floor
Lawrence, Massachusetts 01843
978.941.1792
www.TheEngineeringCorp.com
Lawrence | Hampton | Worcester
DESIGNED BY: RJE DATE: 8-22-23
CHECKED BY: CPH SCALE: AS NOTED
PROJECT NO.: T1188
TEC CAD FILE
T1188-SECTION
ROADWAY-CROSS
SECTION-11
C-30
SHEET 30 OF 36



HORIZONTAL AND VERTICAL SCALE
SCALE IN FEET

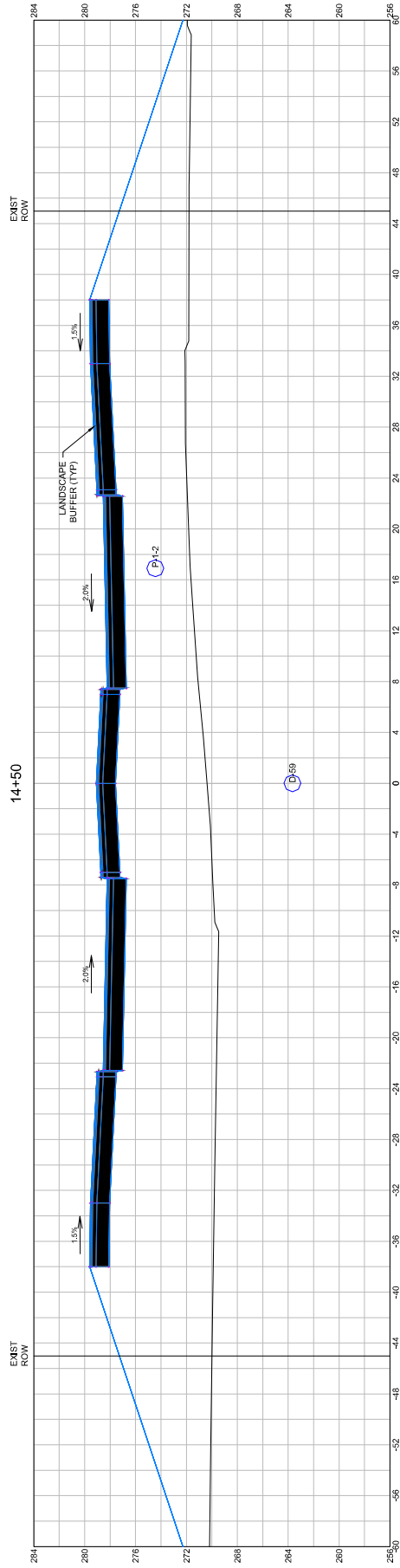
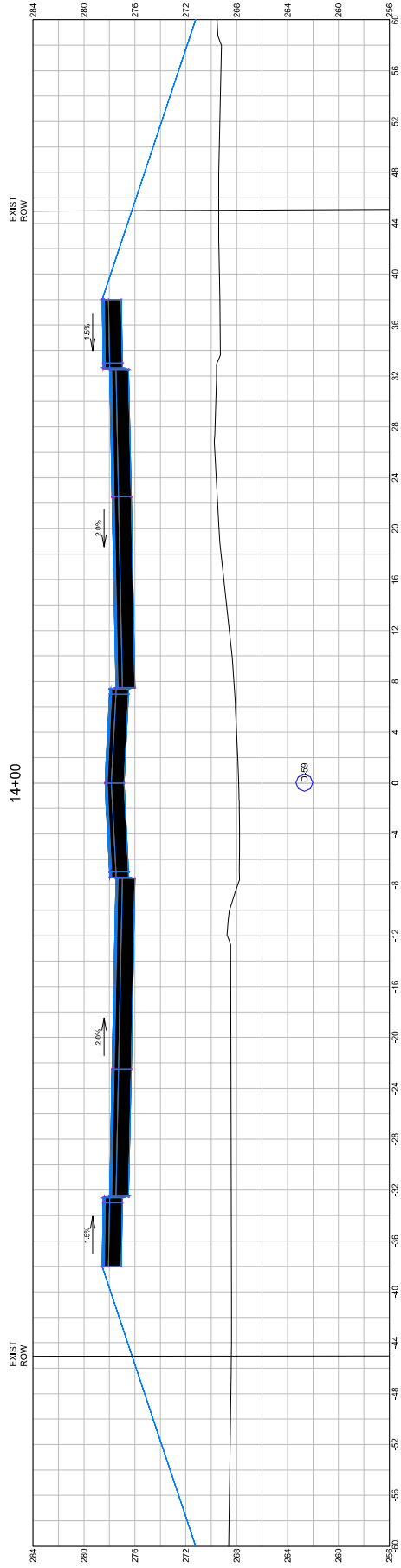
DRAWING TITLE
**Roadway Cross
Sections
12+50 to 13+50**
SUBDIVISION NAME & LOCATION
**King Street
Commons**

OWNER / APPLICANT / SUBMITTER
**550 King Street
Littleton, MA 01460**

DESIGNER / ENGINEER
**Lupoli Companies
290 Merrimack Street
Lawrence, MA 01840**

TEC
The Engineers Corp.
TEC, Inc.
282 Merrimack Street, 2nd Floor
Lawrence, Massachusetts 01843
978.944.1792
www.TheEngineersCorp.com
Lawrence | Hampton | Worcester
DESIGNED BY: JDE DATE: 8-22-23
CHECKED BY: CTR SCALE: AS NOTED

PROJECT NO.
T1188
TEC CAD FILE
T1188_SECTION
T1188_SECTION
C-31
SHEET 31 OF 36



HORIZONTAL AND VERTICAL SCALE
SCALE IN FEET

ROADWAY TYPE
Roadway Cross
Sections
14+00 to 14+50
SUBDIVISION NAME & LOCATION

King Street
Commons
550 King Street
Littleton, MA 01460

OWNER / APPLICANT / SUBMITTER
Lupoli Companies
290 Merrimack Street
Lawrence, MA 01840

DESIGNER / ENGINEER



TEC, Inc.
282 Merrimack Street, 2nd Floor
Lawrence, Massachusetts 01843
978.941.1792
www.TheEngineeringCorp.com

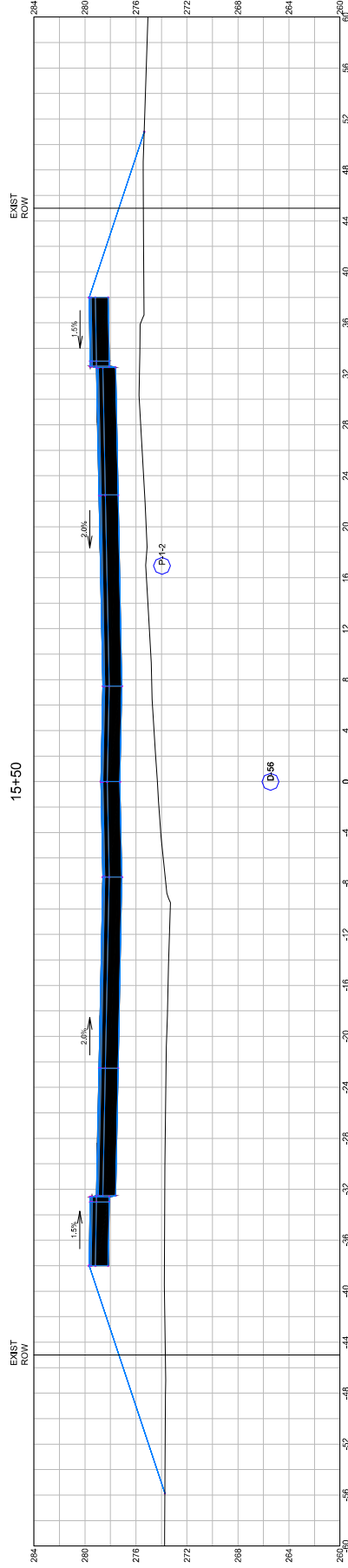
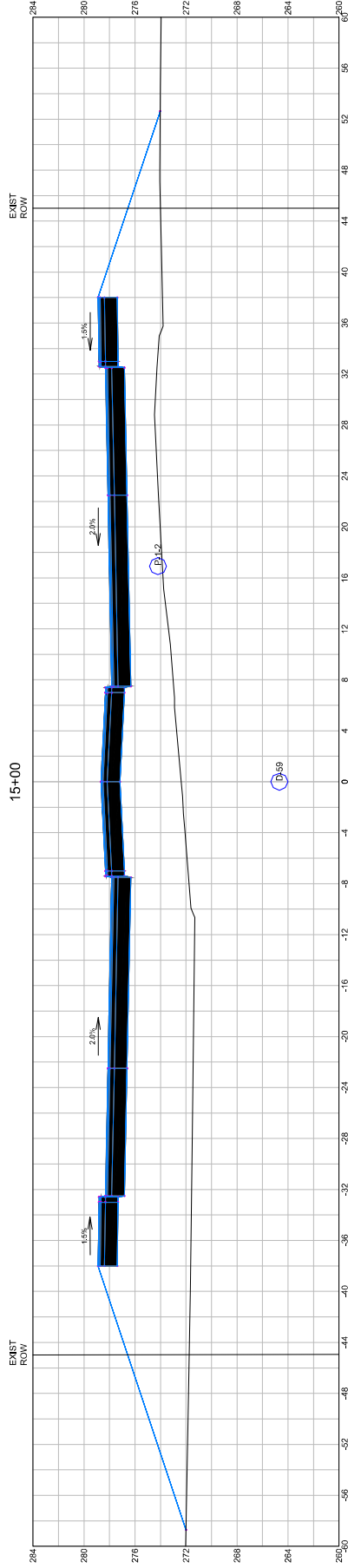
DESIGNED BY: RJE DATE: 8-22-23
CHECKED BY: CPH SCALE: AS NOTED

PROJECT NO.
T1188

TEC CAD FILE
T1188_SECTION
20230823.DWG

C-32
SHEET 32 OF 56





HORIZONTAL AND VERTICAL SCALE
SCALE IN FEET

DRAWING TITLE
Roadway Cross
Sections
15+00 to 15+50
SUBDIVISION NAME & LOCATION

King Street
Commons
550 King Street
Littleton, MA 01460

OWNER / AGENCY / SUBMITTER
Lupoli Companies
290 Merrimack Street
Lawrence, MA 01840

DESIGNER / ENGINEER

TEC
The Engineering Corp.
282 Merrimack Street, 2nd Floor
Lawrence, Massachusetts 01843
978.941.1792
www.TheEngineeringCorp.com

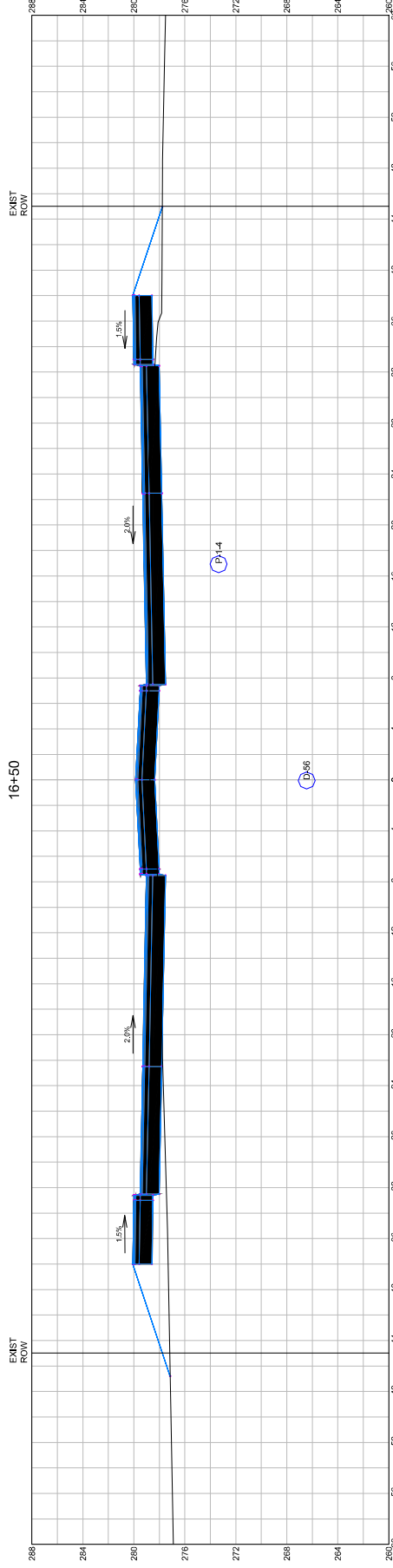
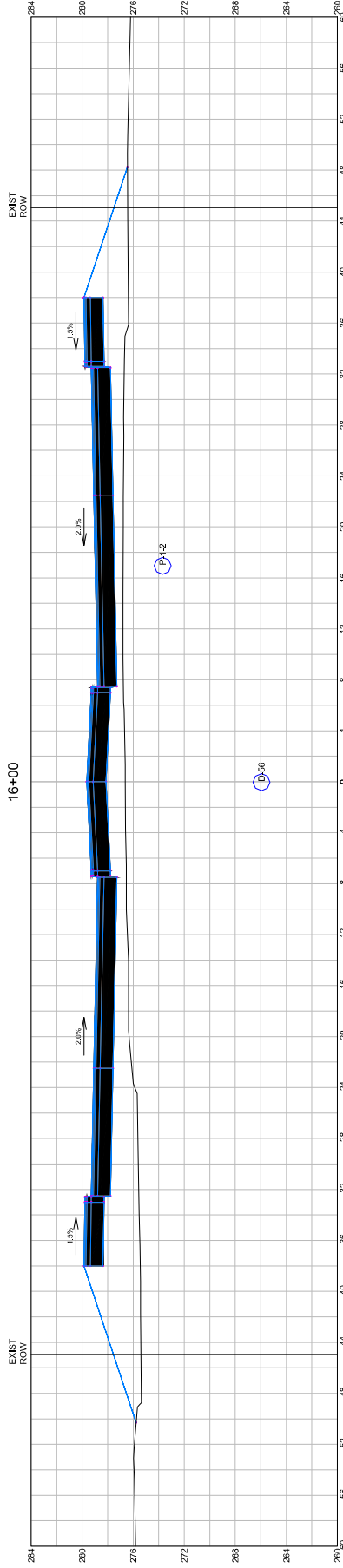
DESIGNED BY: JLF DATE: 8-22-23
CHECKED BY: CPH SCALE: AS NOTED

PROJECT NO.
TJ108

TEC CAD FILE
TJ108_SECTION
20230823.DWG

C-33
SHEET 33 OF 55





HORIZONTAL AND VERTICAL SCALE
SCALE IN FEET

DRAWING TITLE

Roadway Cross
Sections
16+00 to 16+50

SUBDIVISION NAME & LOCATION

King Street
Commons

550 King Street
Littleton, MA 01460

OWNER / APLICANT / SUBDIVIDER

Lupoli Companies

290 Merrimack Street
Lawrence, MA 01840

DESIGNER / ENGINEER



TEC, Inc.
282 Merrimack Street, 2nd Floor
Lawrence, Massachusetts 01843
978.944.1792
www.TheEngineeringCorp.com

DESIGNED BY: JLF DATE: 8-22-23
CHECKED BY: CPH SCALE: AS NOTED

PROJECT NO.

11188

TEC CAD FILE

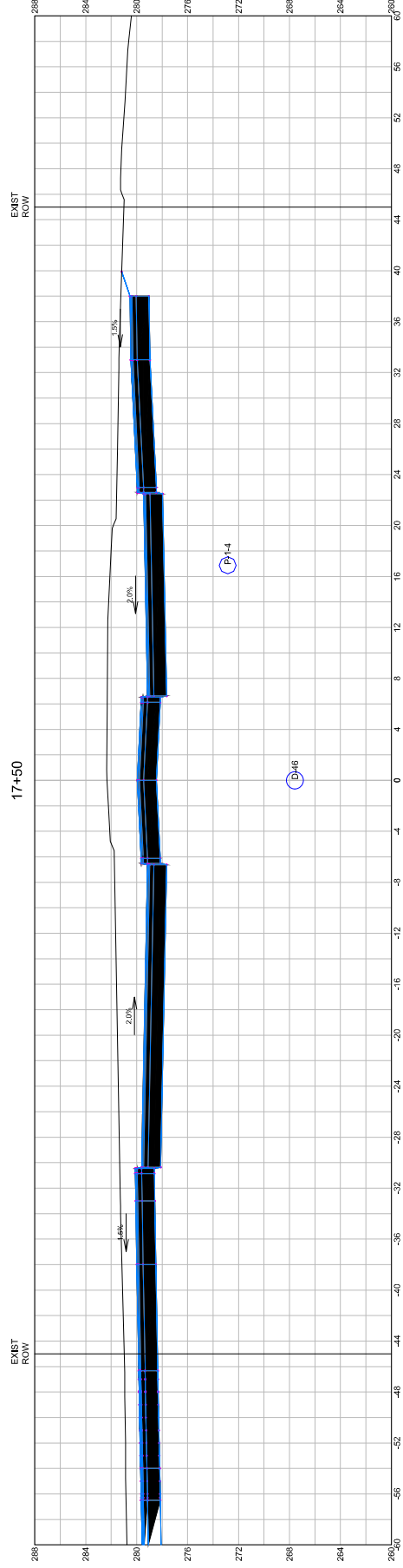
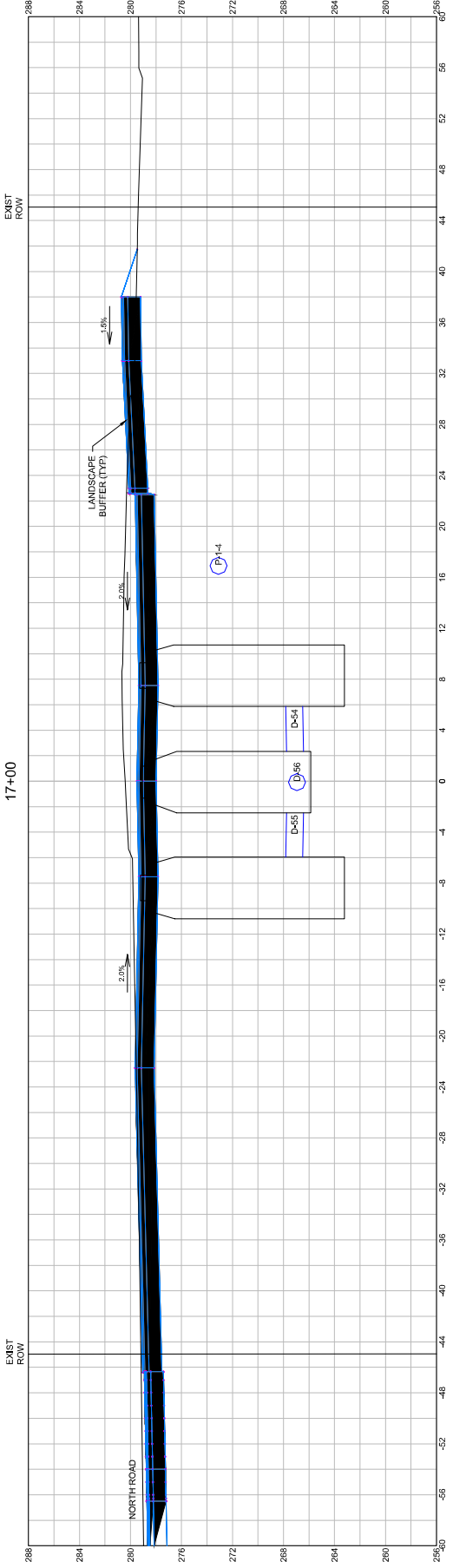
11188_SECTION

DATE PLOTTED

8/22/2023

C-34

SHEET 34 OF 36



HORIZONTAL AND VERTICAL SCALE
SCALE IN FEET
4 0 4 8

ROADWAY TYPE
Roadway Cross
Sections
17+00 to 17+50
SUBDIVISION NAME & LOCATION
King Street
Commons
550 King Street
Littleton, MA 01460

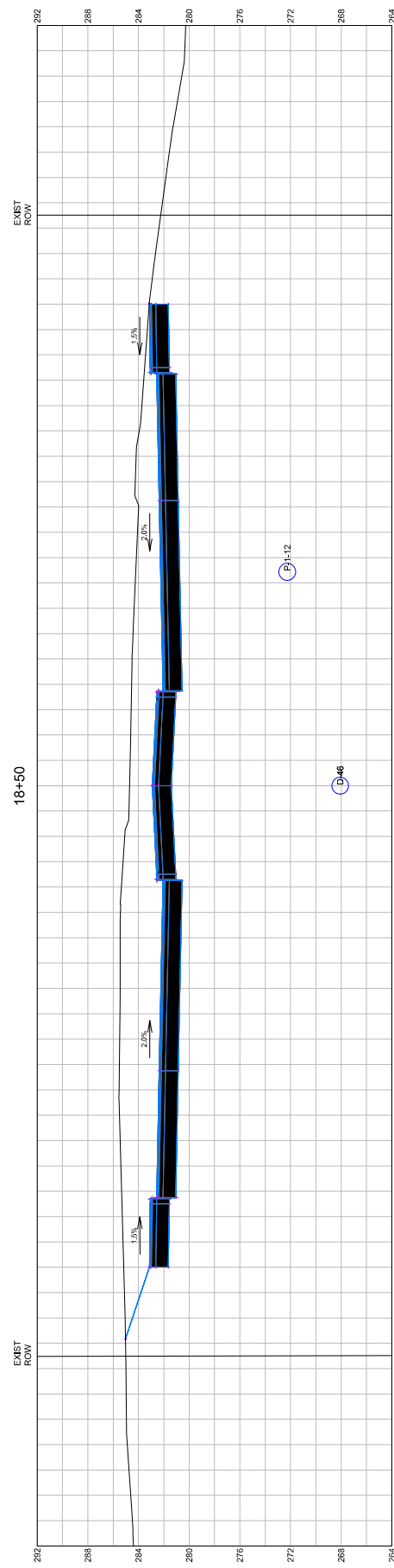
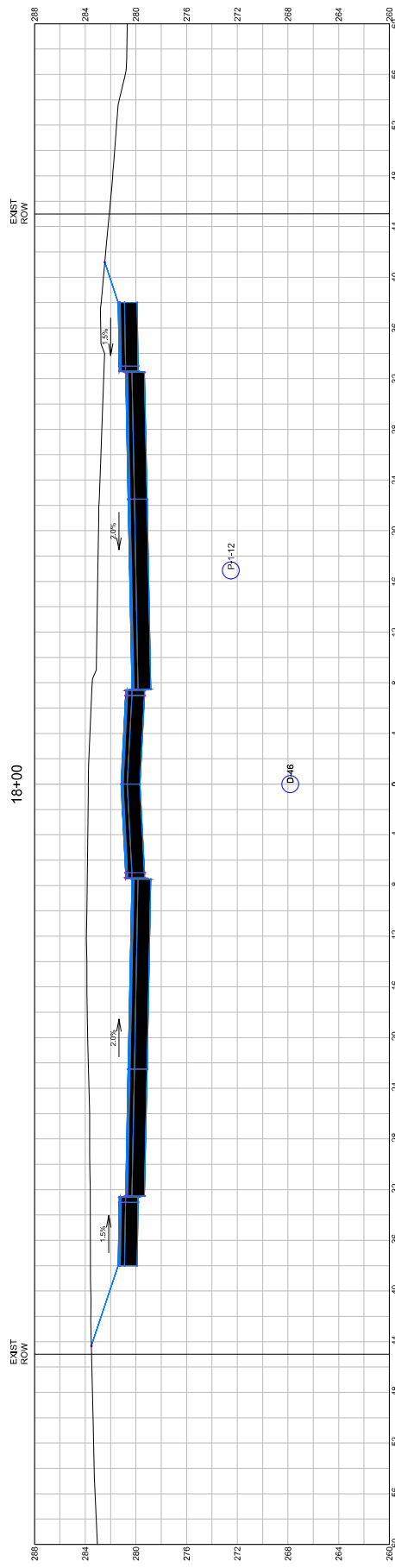
OWNER / APLICANT / SUBDIVISOR
Lupoli Companies
290 Merrimack Street
Lawrence, MA 01840

DESIGNER / ENGINEER



TEC, Inc.
282 Merrimack Street, 2nd Floor
Lawrence, Massachusetts 01843
978.941.1792
www.TheEngineers.com
Lawrence | Hampton | Worcester
DESIGNED BY: RJE DATE: 8-22-23
CHECKED BY: CPH SCALE: AS NOTED

PROJECT NO.
TJ1188
TEC CAD FILE
TJ1188-SECTION
23AUGUST2023
C-35
SHEET 35 OF 36



HORIZONTAL AND VERTICAL SCALE
SCALE IN FEET

ROADWAY TYPE
Sections
18+00 to 18+50
SUBDIVISION NAME & LOCATION
King Street
Commons

OWNER / APPLICANT / SUBMITTER
550 King Street
Littleton, MA 01460

DESIGNER / ENGINEER
Lupoli Companies
290 Merrimack Street
Lawrence, MA 01840



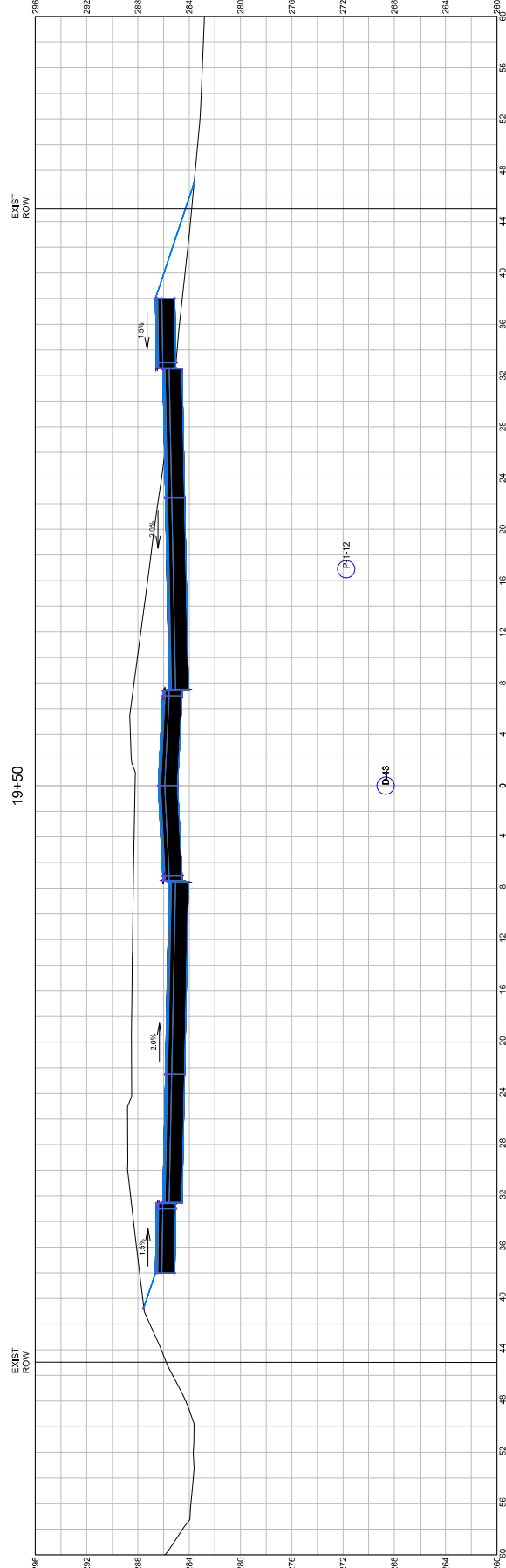
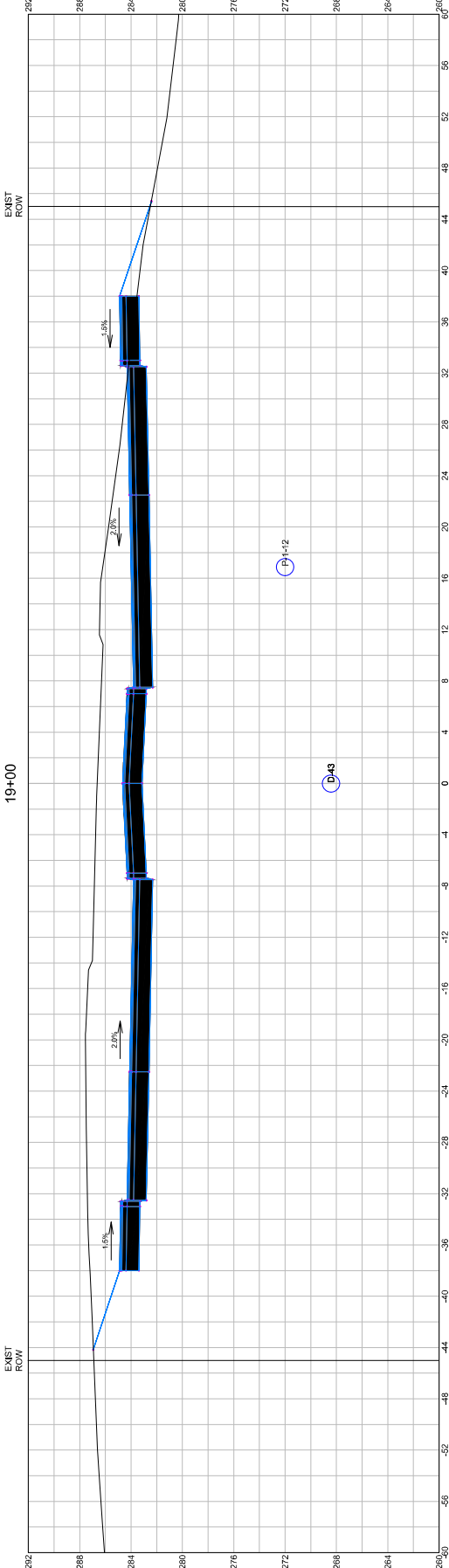
TEC, Inc.
282 Merrimack Street, 2nd Floor
Lawrence, Massachusetts 01843
978.944.1792
www.TheEngineers.com
Lawrence | Hampton | Worcester

DESIGNED BY: JLF DATE: 8-22-23
CHECKED BY: CPH SCALE: AS NOTED

PROJECT NO.
T1188

TEC CAD FILE
T1188_SECTION
23A.DWG

C-36
SHEET 36 OF 56



HORIZONTAL AND VERTICAL SCALE
SCALE IN FEET

ROADWAY CROSS
SECTIONS
19+00 TO 19+50
SUBDIVISION NAME & LOCATION

King Street
Commons
550 King Street
Littleton, MA 01460

OWNER / APPLICANT / SUBMITTER
Lupoli Companies
290 Merrimack Street
Lawrence, MA 01840

DESIGNER / ENGINEER

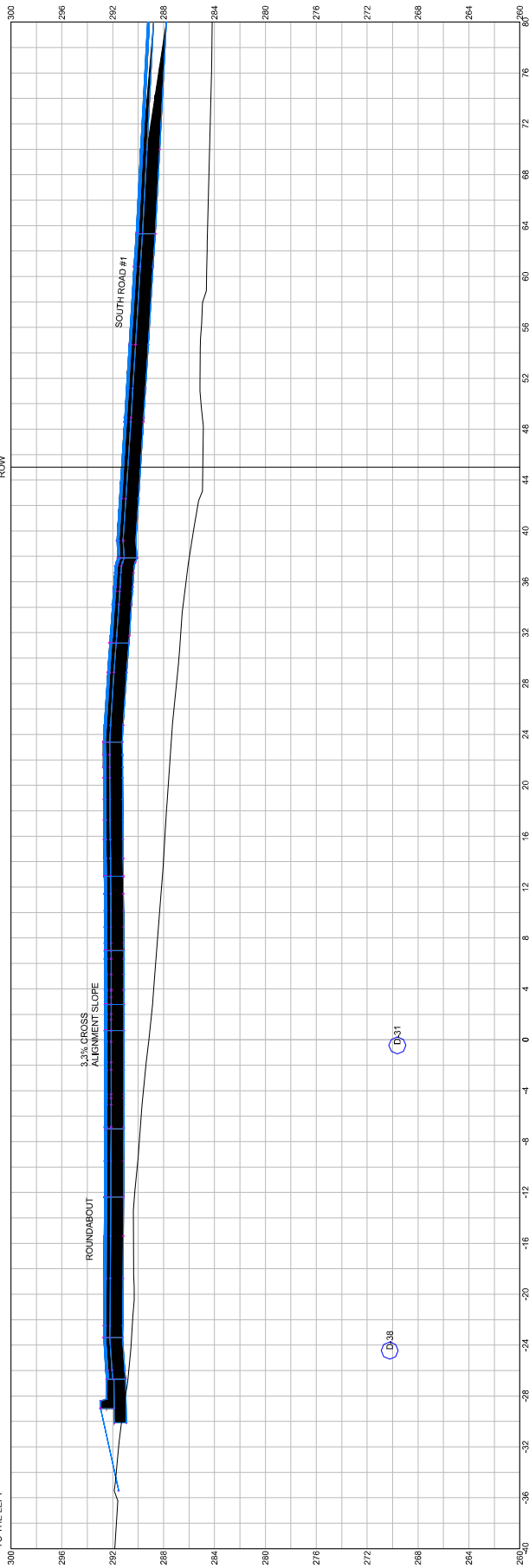
TEC
The Engineers Corp.
TEC, Inc.
282 Merrimack Street, 2nd Floor
Lawrence, Massachusetts 01843
978.944.1792
www.TheEngineersCorp.com
Lawrence | Hampton | Worcester
CHECKED BY: RJE DATE: 8-22-23
SCALE: AS NOTED

PROJECT NO.
T1188
TEC CAD FILE
T1188_SECTION
DATE: 8-22-23
C-37
SHEET 37 OF 56

EXIST ROW 45'
TO THE LEFT

20+50

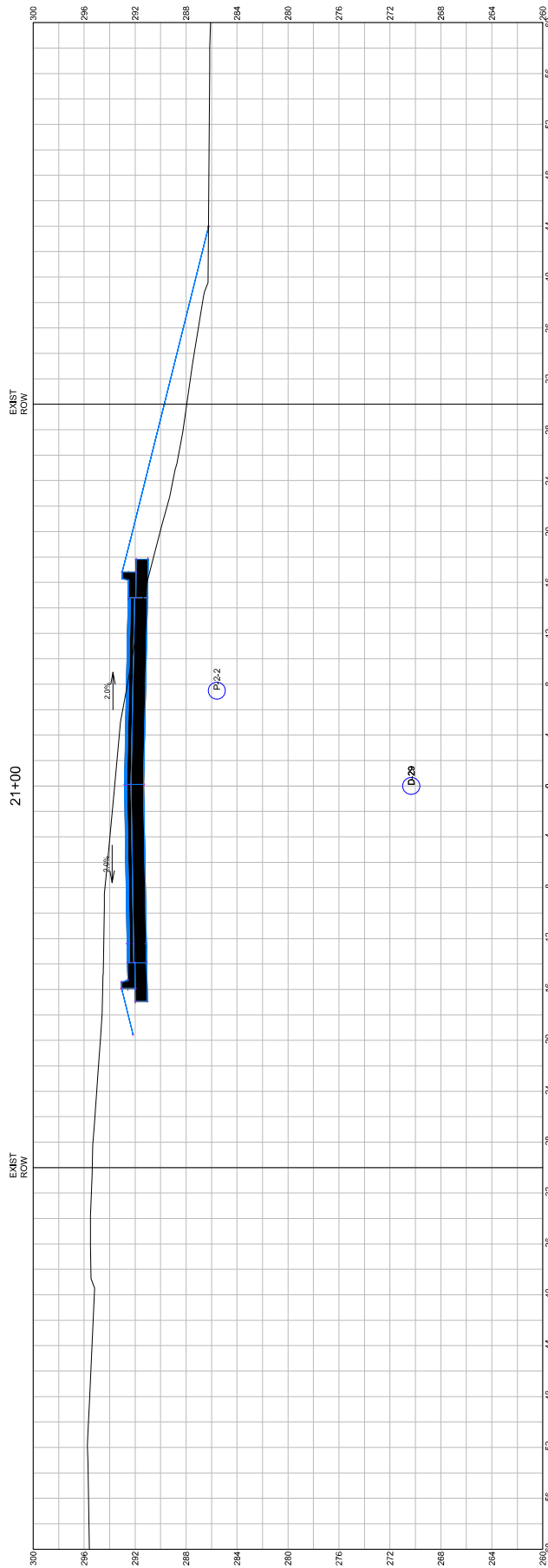
EXIST
ROW



HORIZONTAL AND VERTICAL SCALE
SCALE IN FEET

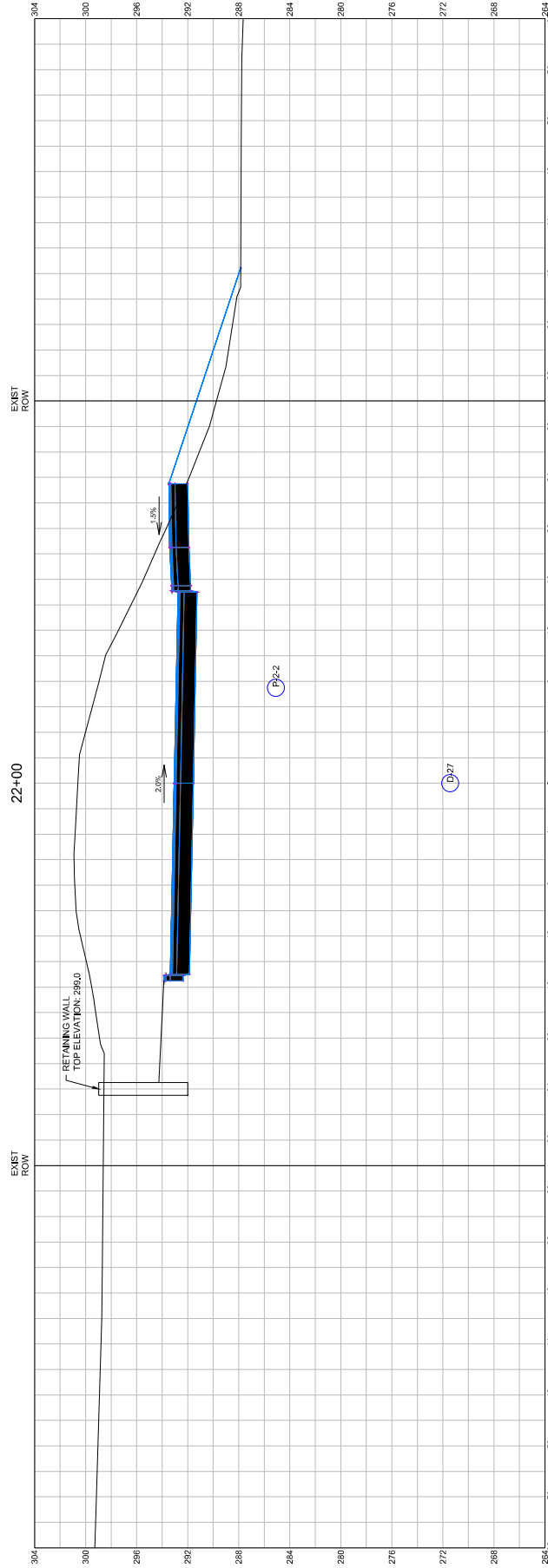
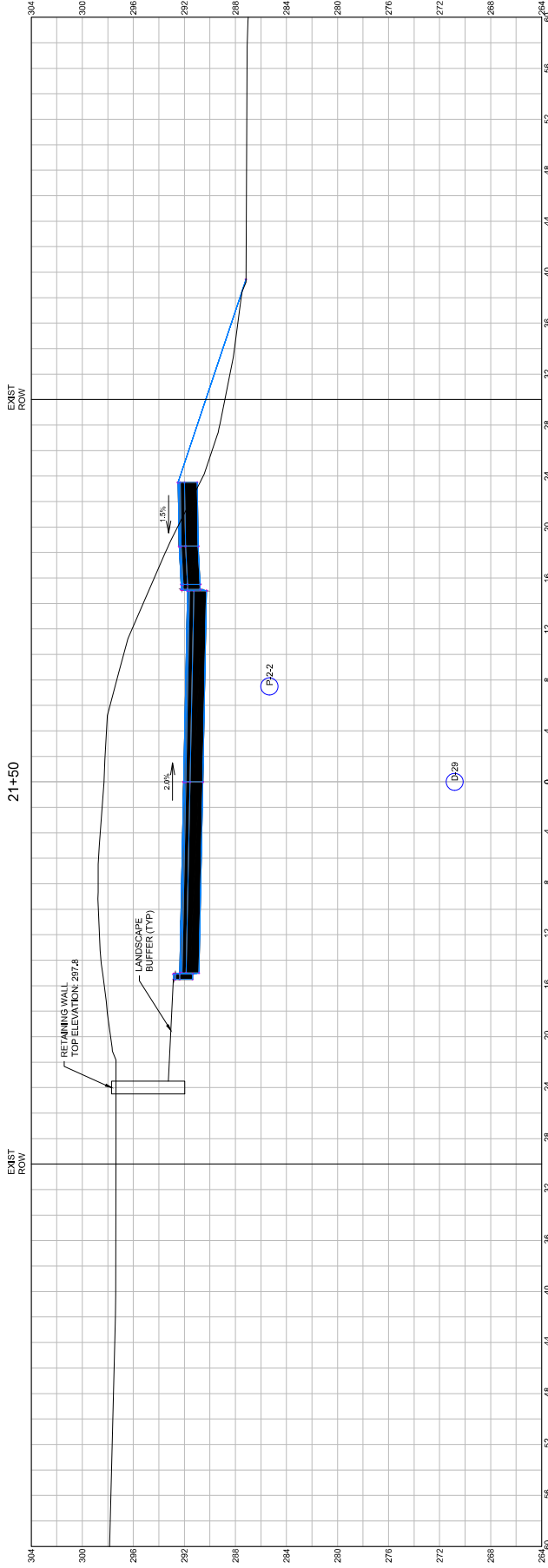
21+00

EXIST
ROW



ROADWAY TITLE
**Roadway Cross
Sections
20+50 to 21+00**
SECTION DRAWN & CHECKED
**King Street
Commons**
550 King Street
Littleton, MA 01460
OWNER / APPLICANT / SUBMITTER
Lupoli Companies
290 Merrimack Street
Lawrence, MA 01840
DESIGNER / ENGINEER

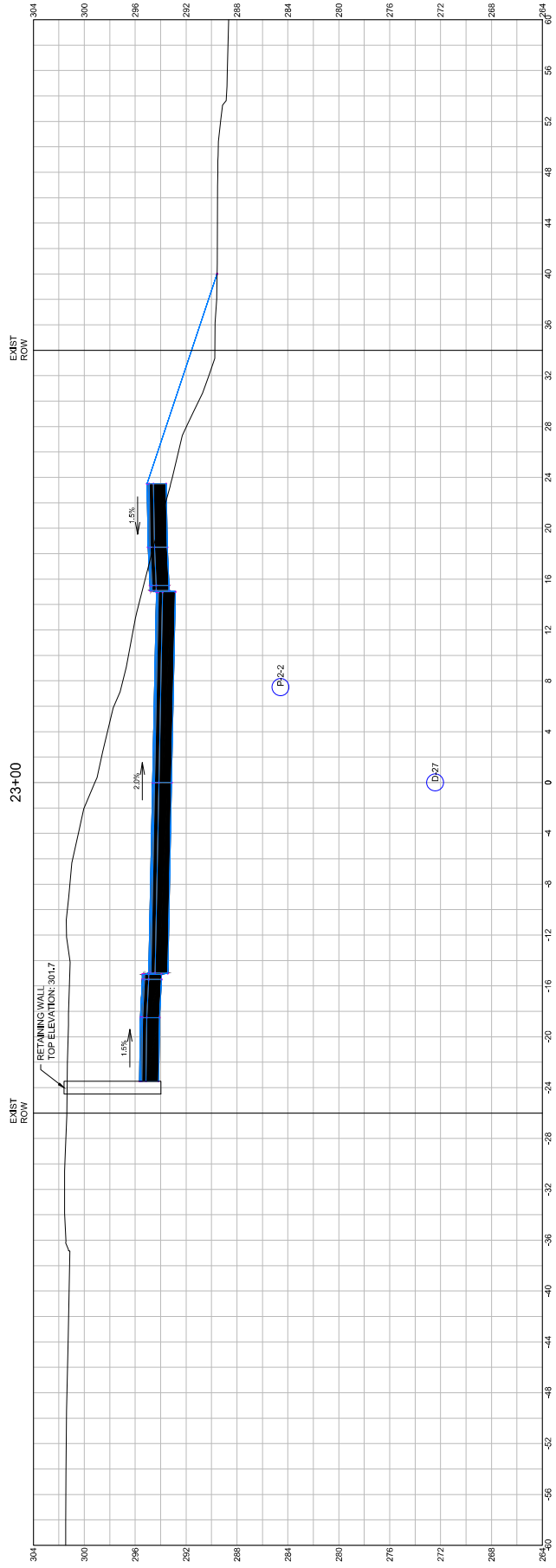
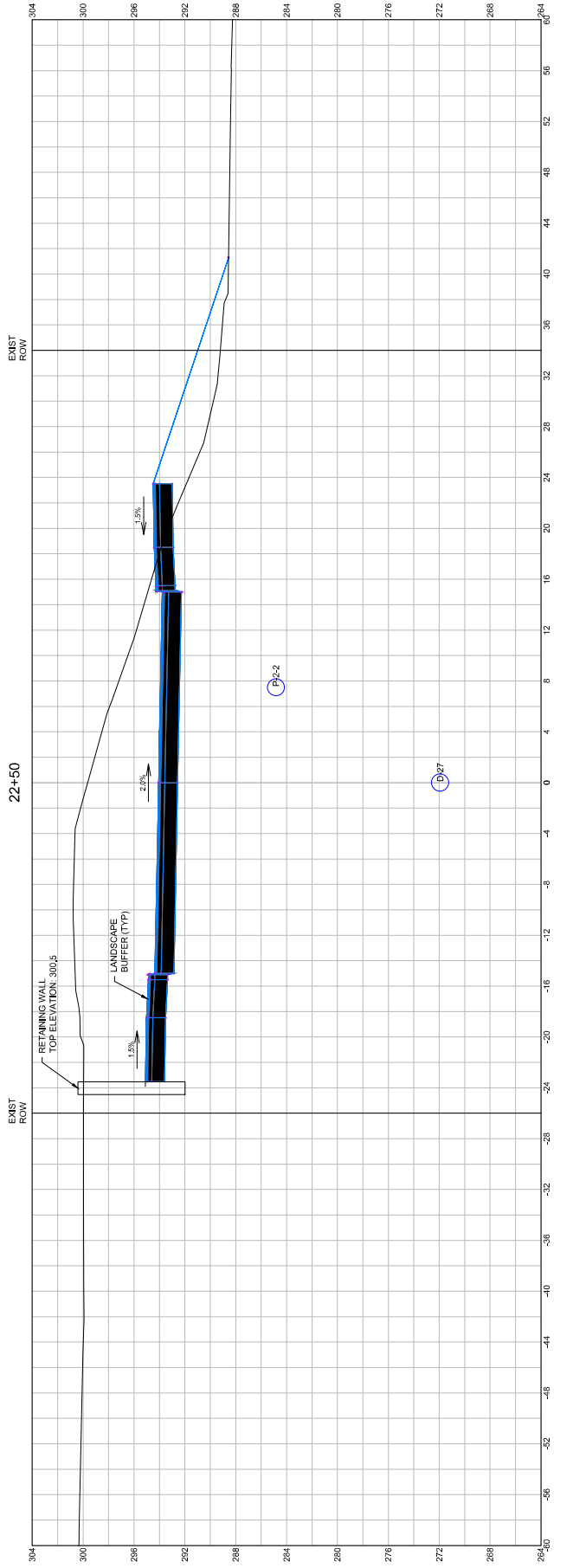
TEC
The Engineering Corp.
282 Merrimack Street, 2nd Floor
Lawrence, Massachusetts 01843
978.941.7932
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Lawrence | Hampton | Worcester
DESIGNED BY: JLF DATE: 8-22-23
CHECKED BY: CR SCALE: AS NOTED
PROJECT NO.: T1188
TEC CAD FILE
T1188_SECTION
20+50+21+00.dwg
C-38
SHEET 38 OF 56



HORIZONTAL AND VERTICAL SCALE
SCALE IN FEET
4 0 4 8

ROADWAY TITLE
Sections
21+50 to 22+00
SUBDIVISION NAME & LOCATION
King Street
Commons
550 King Street
Littleton, MA 01460
OWNER / APLICANT / SUPERVISOR
Lupoli Companies
290 Merrimack Street
Lawrence, MA 01840
DESIGNER / ENGINEER

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The Engineering Corp.
TEC, Inc.
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Lawrence, Massachusetts 01843
978.944.1792
www.TheEngineeringCorp.com
Lawrence | Hampton | Worcester
DESIGNED BY: RJE DATE: 8-22-23
CHECKED BY: CRR SCALE: AS NOTED
PROJECT NO.: T1188
TEC CAD FILE
T1188_SECTION
23A.DWG
C-39
SHEET 38 OF 95



ROADWAY CROSS
SECTIONS
22+50 TO 23+00
SUBSTATION NAME & LOCATION

King Street
Commons
550 King Street
Littleton, MA 01460

OWNER / APLICANT / SUPERVISOR
Lupoli Companies
290 Merrimack Street
Lawrence, MA 01840

DESIGNER / ENGINEER

TEC
The Engineers Corp.

TEC, Inc.
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Lawrence, Massachusetts 01843
978.941.1792
www.TheEngineersCorp.com

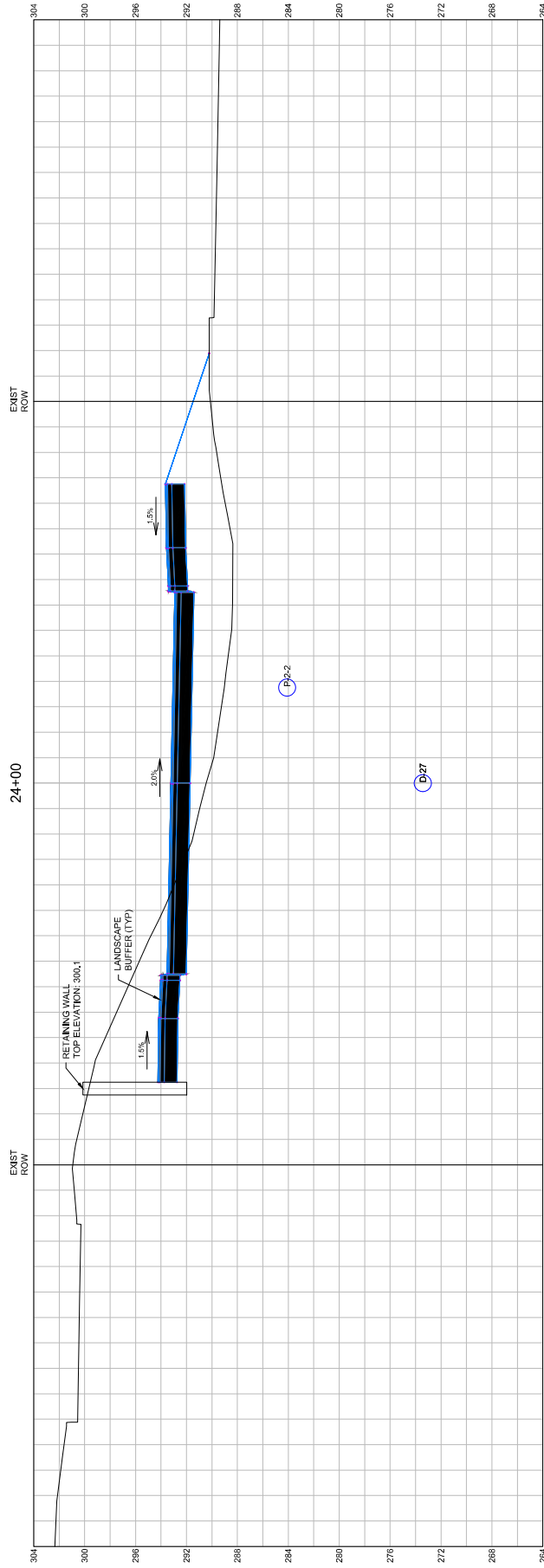
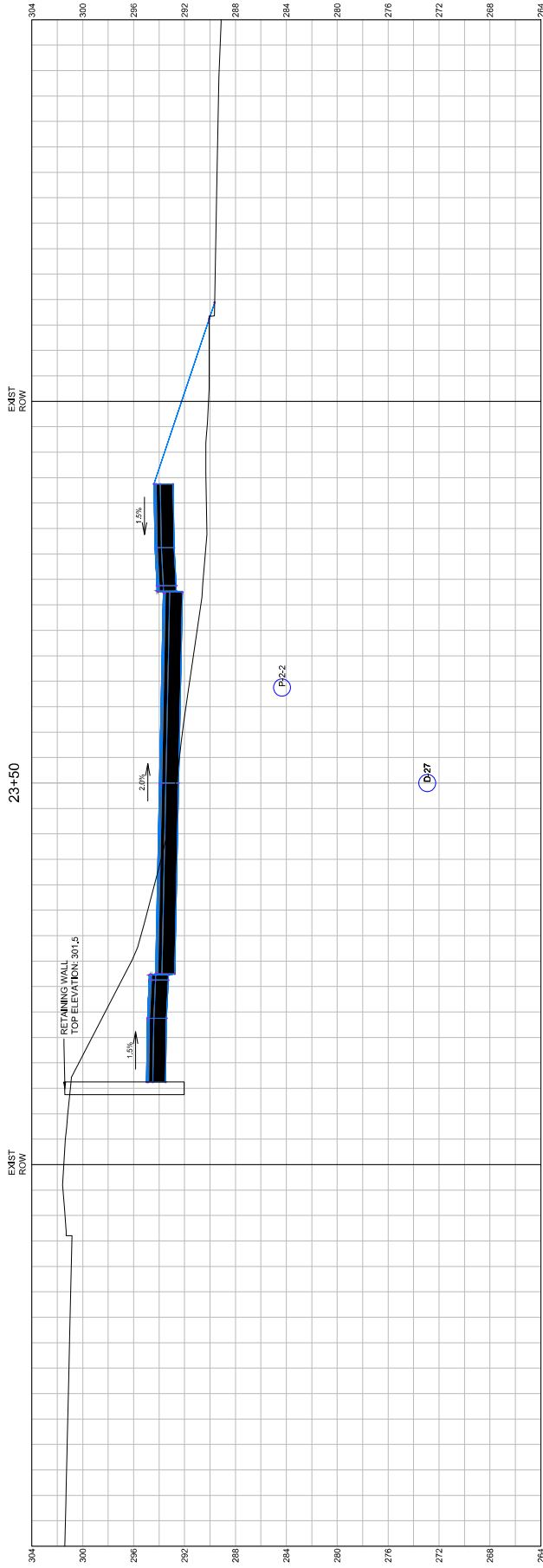
DESIGNED BY: RJE DATE: 8-22-23
CHECKED BY: CDR SCALE: AS NOTED

PROJECT NO.
T1188

TEC CAD FILE
T1188_SECTION
23+00+00

CONTRACT NO.
C-40

SHEET NO. OF 56



HORIZONTAL AND VERTICAL SCALE
SCALE IN FEET

ROADWAY CROSS
SECTIONS
23+50 TO 24+00
SECTION NAME & LOCATION

King Street
Commons
550 King Street
Littleton, MA 01460

OWNER / APLICANT / SUBMITTER
Lupoli Companies
290 Merrimack Street
Lawrence, MA 01840

DESIGNER / ENGINEER

TEC
The Engineering Corp.

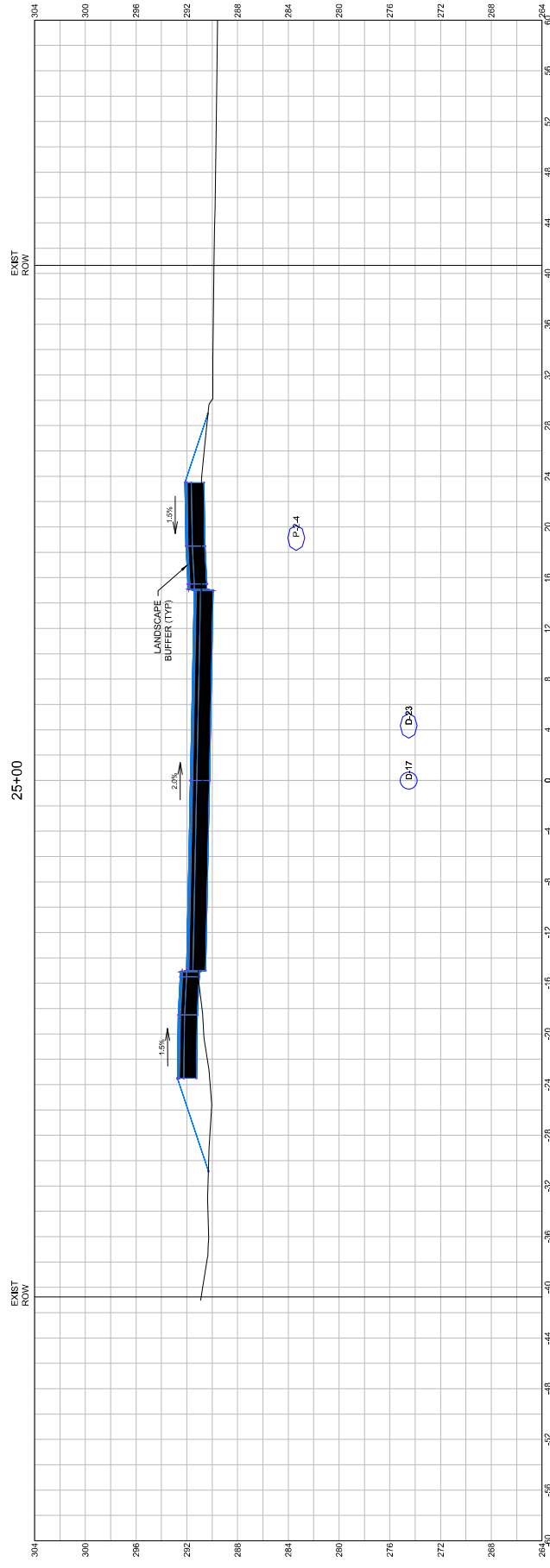
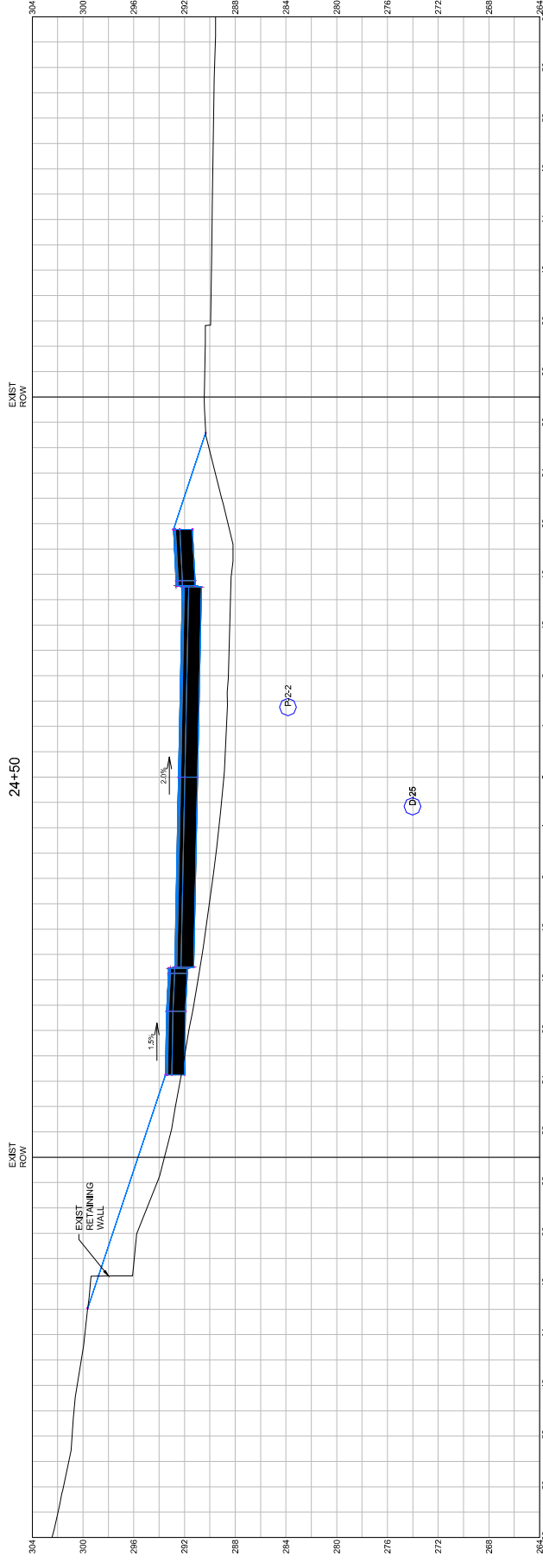
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Lawrence, Massachusetts 01843
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www.TheEngineeringCorp.com

DESIGNED BY: RJE DATE: 8-22-23
CHECKED BY: CRR SCALE: AS NOTED

PROJECT NO.
T1188

TEC CAD FILE
T1188-SECTION
23+50.DWG

C-41
SHEET 41 OF 56



HORIZONTAL AND VERTICAL SCALE
SCALE IN FEET

ROADWAY CROSS
SECTIONS
24+50 TO 25+00
SUBDIVISION NAME & LOCATION

King Street
Commons
550 King Street
Littleton, MA 01460

OWNER / APPLICANT / SUBMITTER
Lupoli Companies
290 Merrimack Street
Lawrence, MA 01840

DESIGNER / ENGINEER

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Lawrence, Massachusetts 01843
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DESIGNED BY: JLF DATE: 8-22-23
CHECKED BY: CTR SCALE: AS NOTED

PROJECT NO.
T1188

TEC CAD FILE
T1188_SECTION

DATE PLOTTED
8/22/23

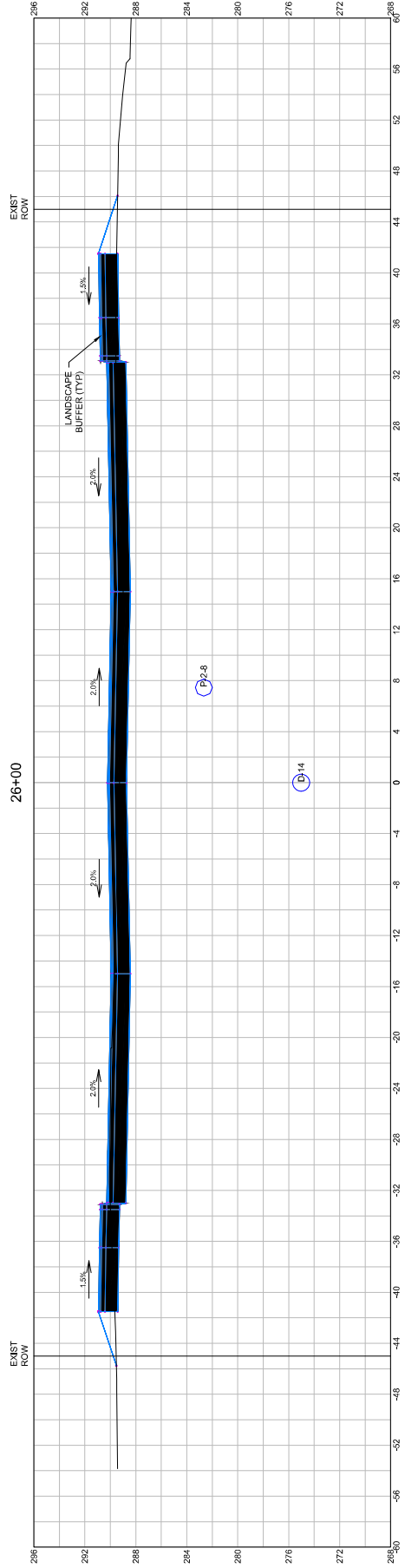
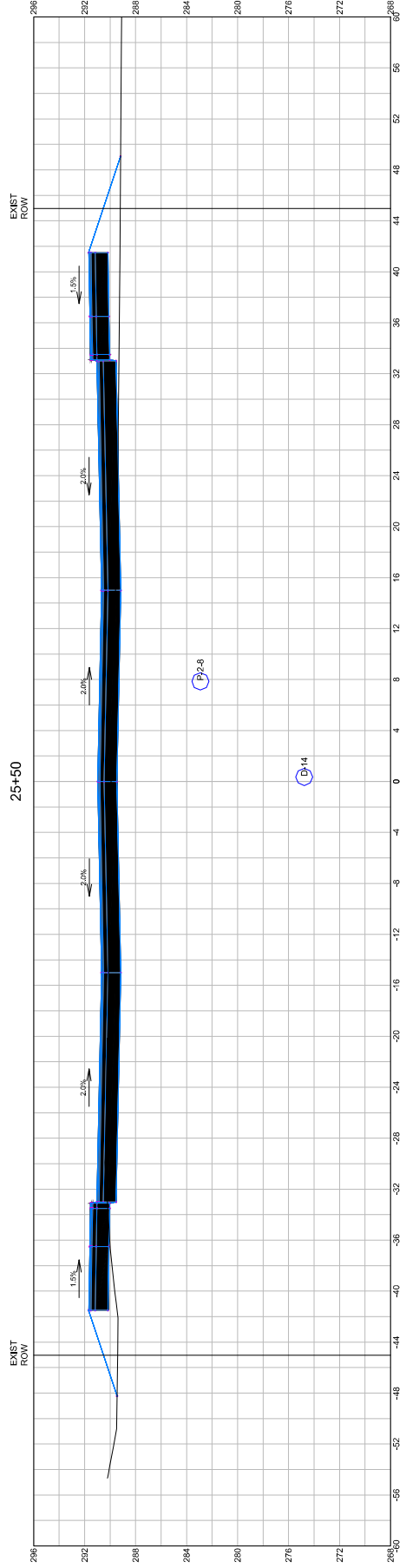
PROJECT NO.
T1188

TEC CAD FILE
T1188_SECTION

DATE PLOTTED
8/22/23



C-42
SHEET 42 OF 55



HORIZONTAL AND VERTICAL SCALE
SCALE IN FEET

DESIGNED BY: **TEC**
 CHECKED BY: **TEC**
 DATE: 8-22-23
 SCALE: AS NOTED

OWNER / APLICANT / SUBMITTER
Lupoli Companies
 290 Merrimack Street
 Lawrence, MA 01840

DESIGNER / ENGINEER
TEC, Inc.
 282 Merrimack Street, 2nd Floor
 Lawrence, Massachusetts 01843
 978.944.1792
 www.tec-engineering.com
 Lawrence | Hampton | Worcester

PROJECT NO. 11188

TEC CAD FILE

11188-SECTION

DATE: 8-22-23

SCALE: AS NOTED

PROJECT NO. 11188

TEC CAD FILE

11188-SECTION

DATE: 8-22-23

SCALE: AS NOTED

PROJECT NO. 11188

TEC CAD FILE

11188-SECTION

DATE: 8-22-23

SCALE: AS NOTED

PROJECT NO. 11188

TEC CAD FILE

11188-SECTION

DATE: 8-22-23

SCALE: AS NOTED

PROJECT NO. 11188

TEC CAD FILE

11188-SECTION

DATE: 8-22-23

SCALE: AS NOTED

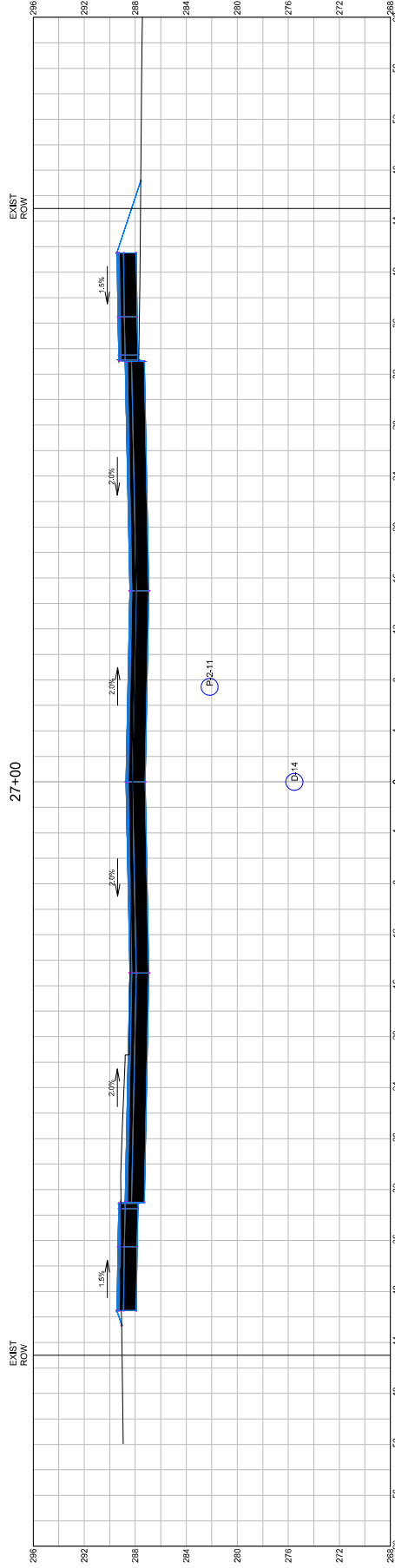
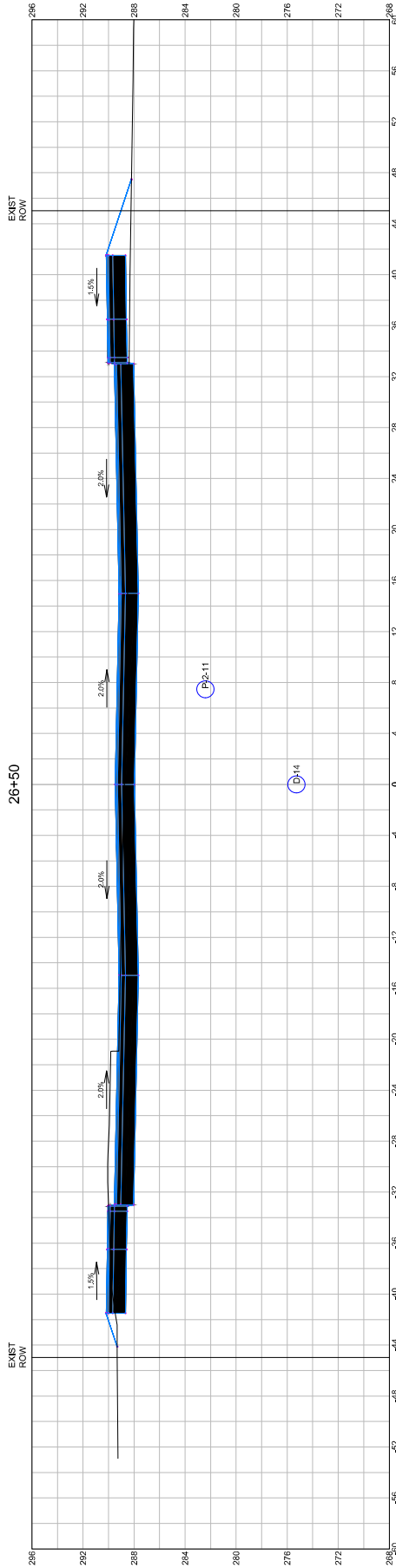
PROJECT NO. 11188

TEC CAD FILE

11188-SECTION

DATE: 8-22-23

SCALE: AS NOTED

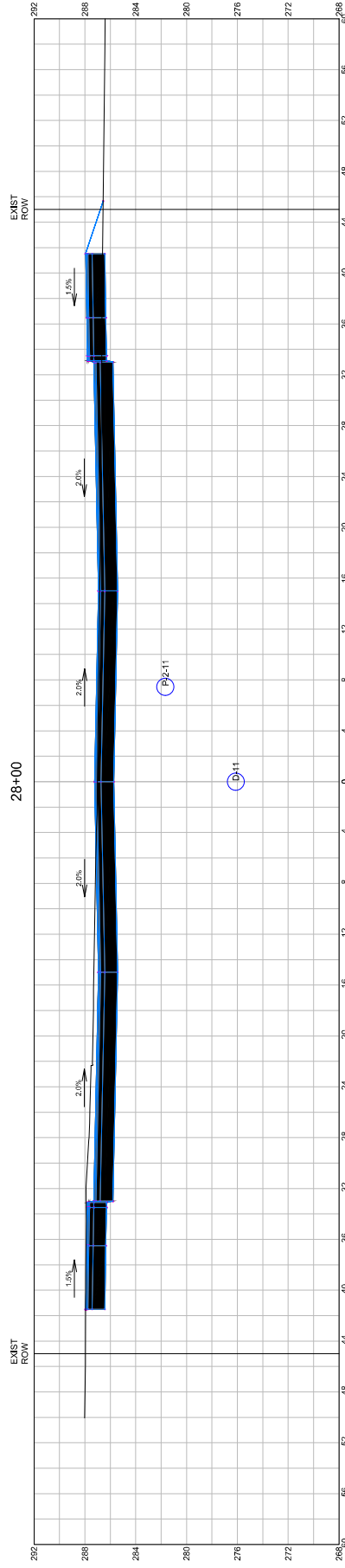
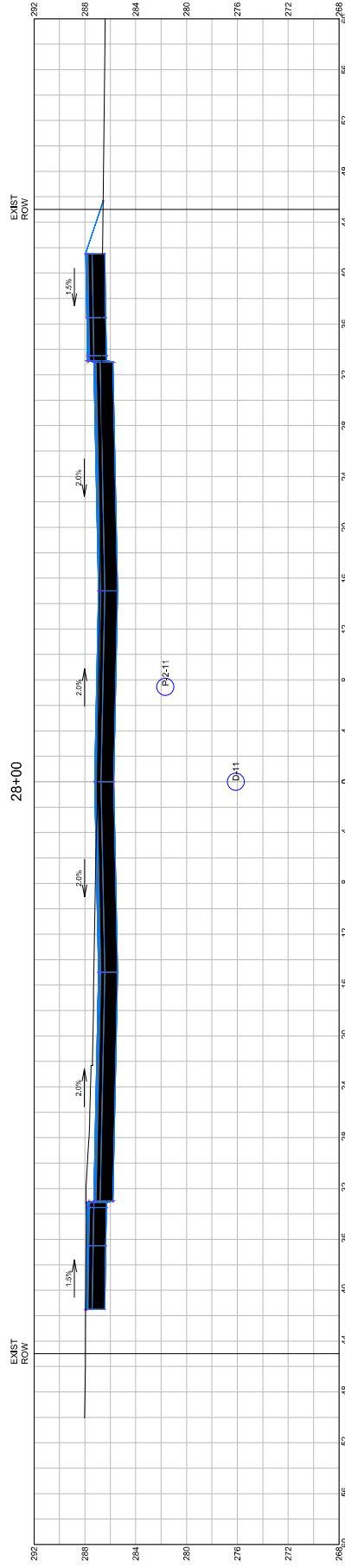


HORIZONTAL AND VERTICAL SCALE
SCALE IN FEET

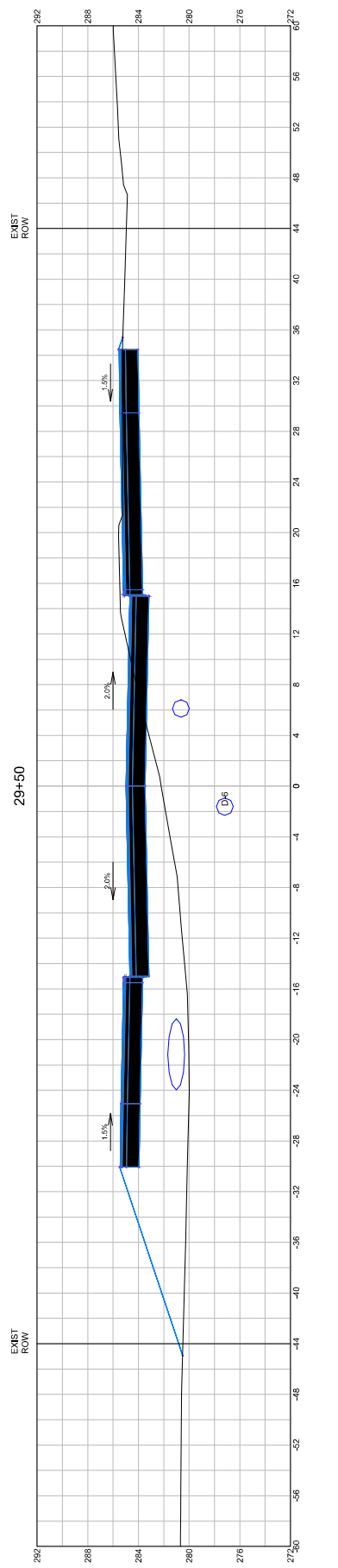
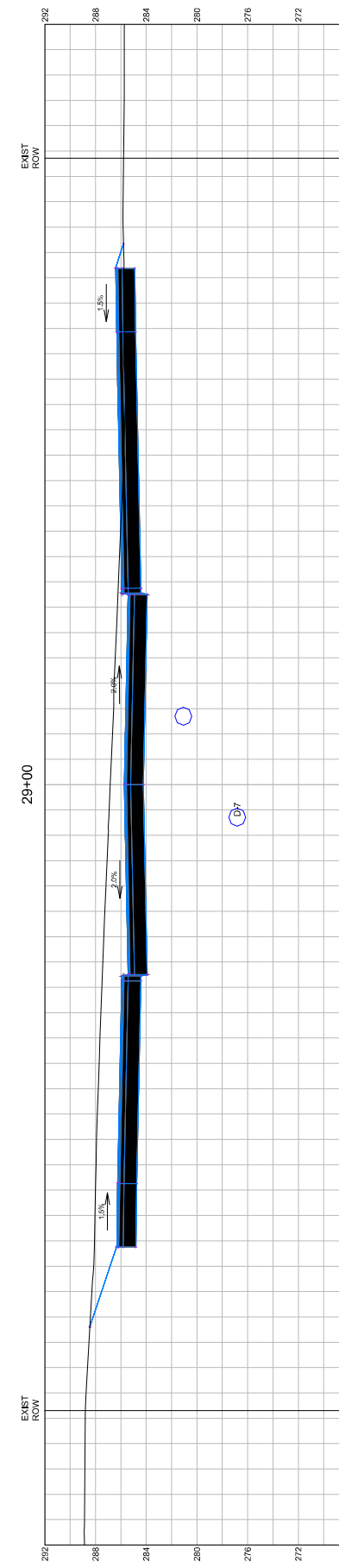
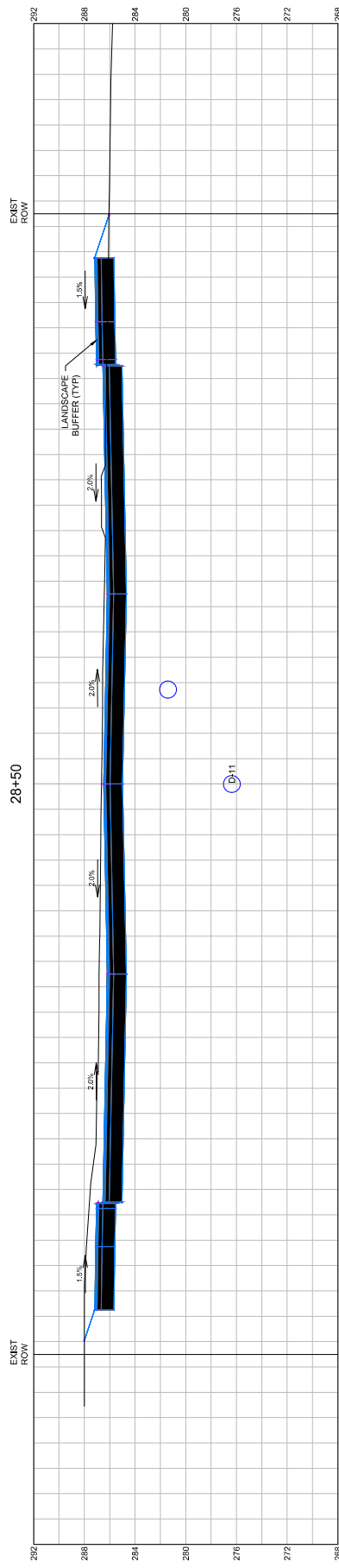
4 0 4 8

DRAWING TITLE
Roadway Cross Sections
26+50 to 27+00
SUBDIVISION NAME & LOCATION
King Street Commons
550 King Street
Littleton, MA 01460
OWNER / APPLICANT / SUBMITTER
Lupoli Companies
290 Merrimack Street
Lawrence, MA 01840
DESIGNER / ENGINEER

TEC
The Engineering Corp.
282 Merrimack Street, 2nd Floor
Lawrence, Massachusetts 01843
978.944.1792
www.TheEngineeringCorp.com
Lawrence | Hampton | Worcester
DESIGNED BY: RJE DATE: 8-22-23
CHECKED BY: CPH SCALE: AS NOTED
PROJECT NO.: T1188
TEC CAD FILE: T1188-SECTION
DRAWN BY: JAC
IN CHARGE: JAC
C-44
SHEET 44 OF 55




 DRAWING NO. **C-45** SHEET 45 OF 56



HORIZONTAL AND VERTICAL SCALE
SCALE IN FEET

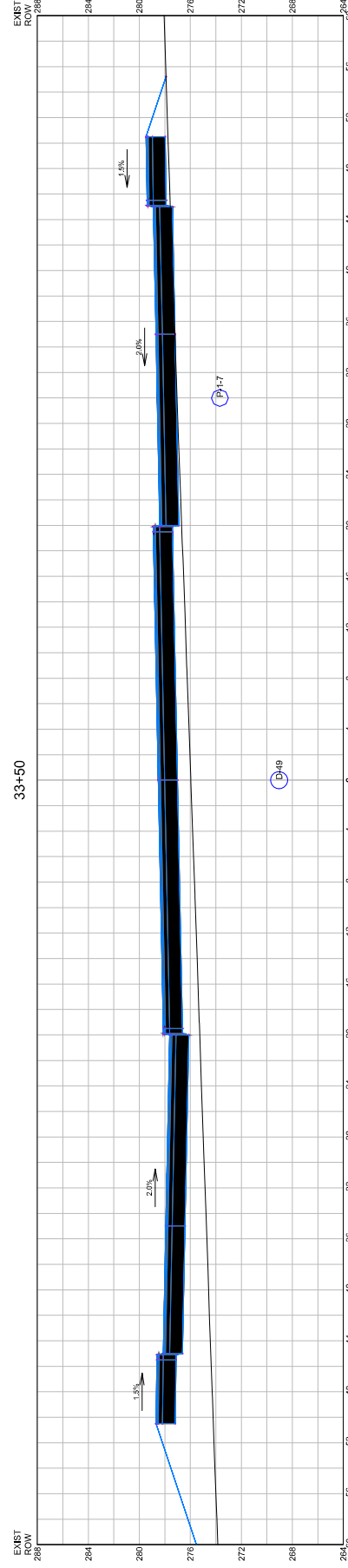
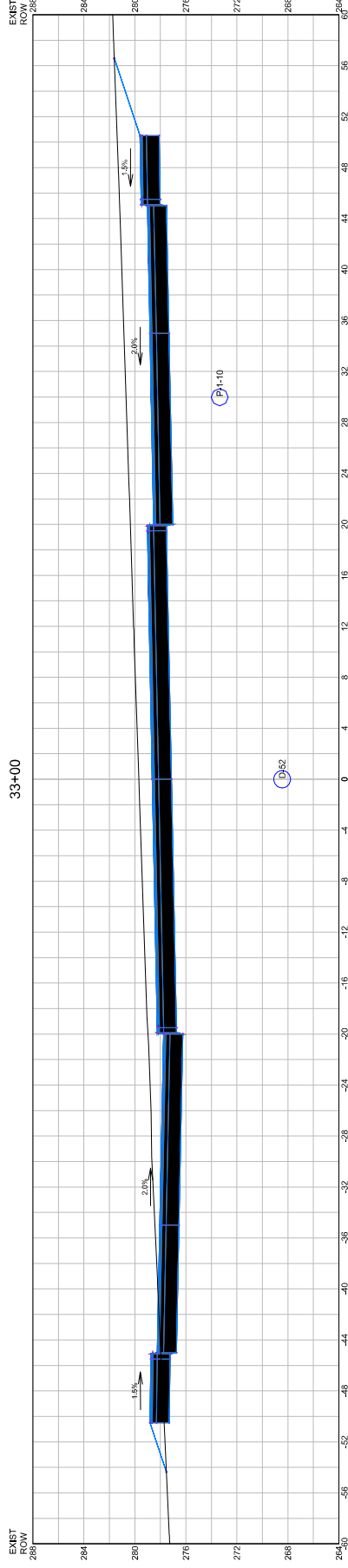
DRAWING TITLE
**Roadway Cross
Sections
28+50 to 29+50**
SECTION NAME & LOCATION
**King Street
Commons**

OWNER / AGENCY / SUBMITTER
**550 King Street
Littleton, MA 01460**

DESIGNER / ENGINEER
**Lupoli Companies
290 Merrimack Street
Lawrence, MA 01840**

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The Engineers Corp.
TEC, Inc.
282 Merrimack Street, 2nd Floor
Lawrence, Massachusetts 01843
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DESIGNED BY: RJE DATE: 8-22-23
CHECKED BY: CPH SCALE: AS NOTED

PROJECT NO.
T1188
TEC CAD FILE
T1188_SECTION
28+50 TO 29+50
C-46
SHEET #6 OF 56

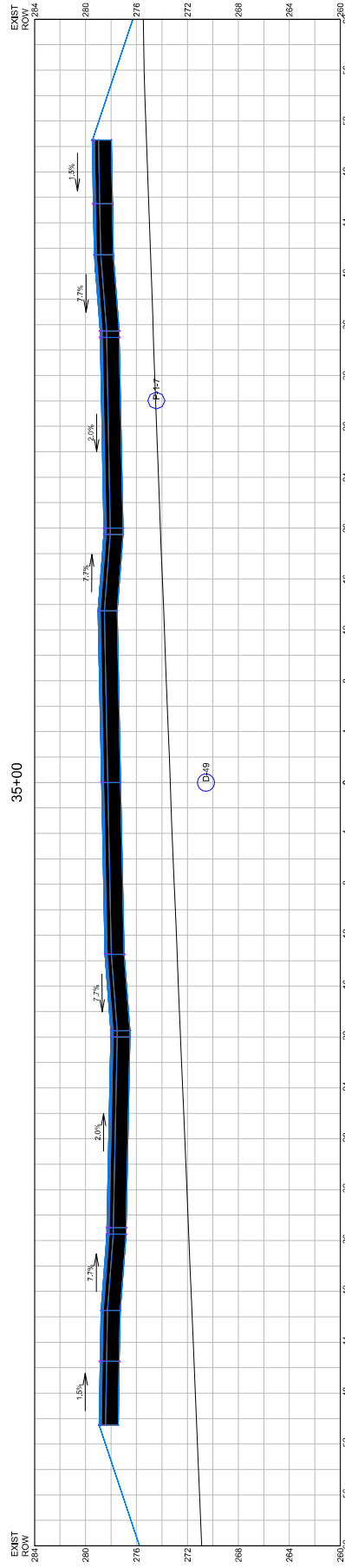
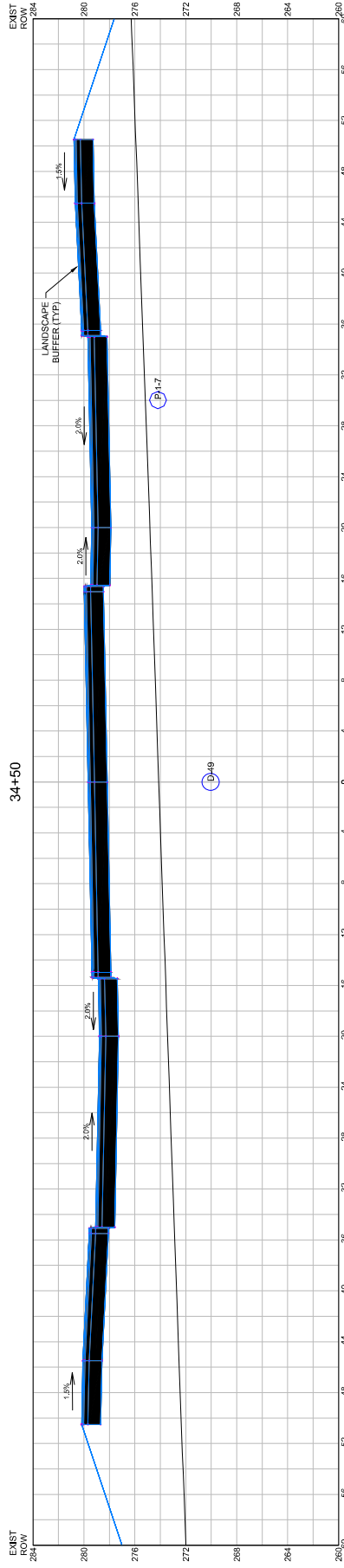
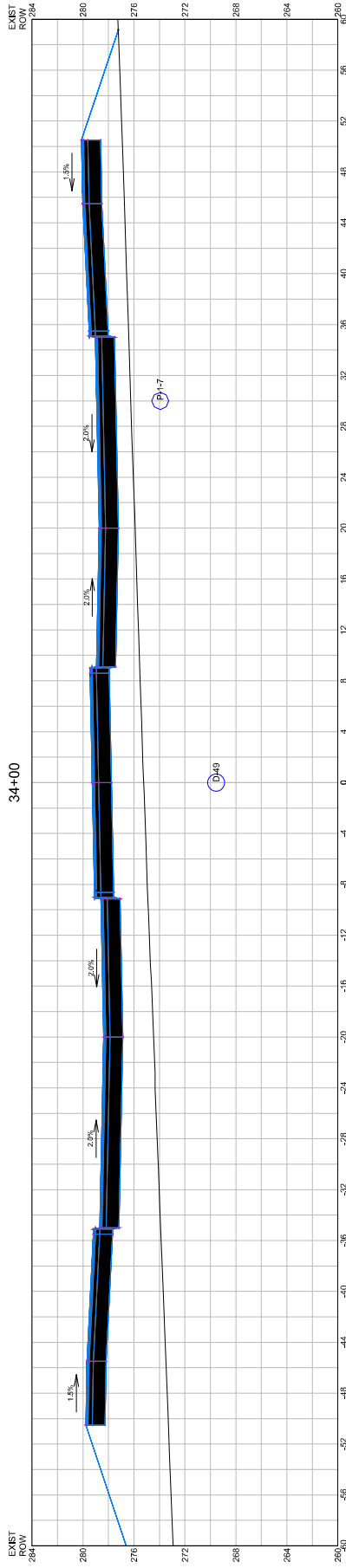


HORIZONTAL AND VERTICAL SCALE
SCALE IN FEET

DRAWING TITLE
Roadway Cross Sections
33+00 to 33+50
SUBDIVISION NAME & LOCATION
King Street Commons
550 King Street
Littleton, MA 01460
OWNER / APPLICANT / SUBDIVISOR
Lupoli Companies
290 Merrimack Street
Lawrence, MA 01840
DESIGNER / ENGINEER

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DESIGNED BY: RJE DATE: 8-22-23
CHECKED BY: CPH SCALE: AS NOTED

PROJECT NO.
11188
TEC CAD FILE
TITLE: RD. SECTION
DRAWN BY: RJE
C-48
SHEET 48 OF 55



HORIZONTAL AND VERTICAL SCALE
4 0 4 8
SCALE IN FEET

DRAWING TITLE

Roadway Cross
Sections
34+00 to 35+00
SUBDIVISION NAME & LOCATION

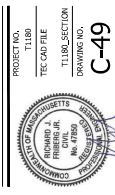
King Street
Commons
550 King Street
Littleton, MA 01460

OWNER / APPLICANT / SUBDIVISOR
Lupoli Companies
290 Merrimack Street
Lawrence, MA 01840

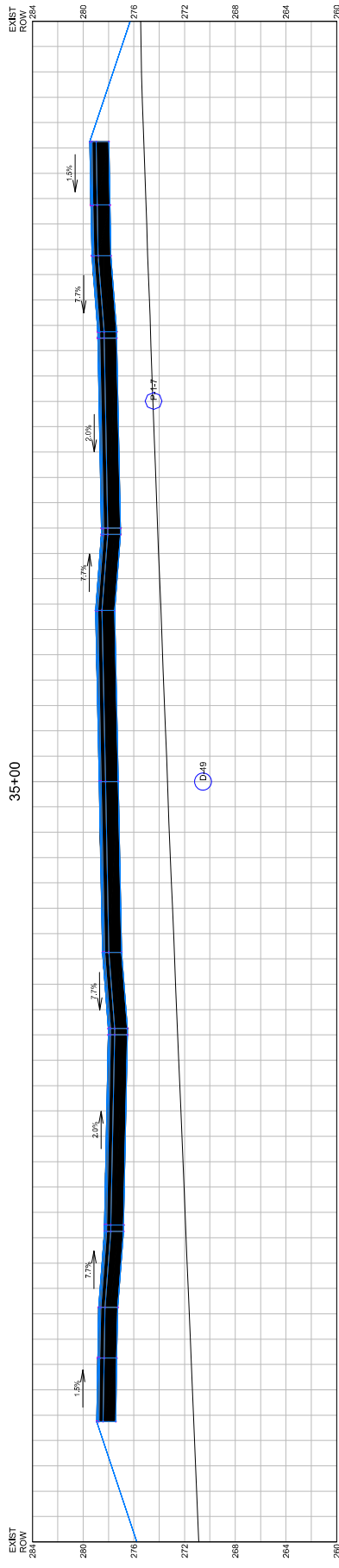
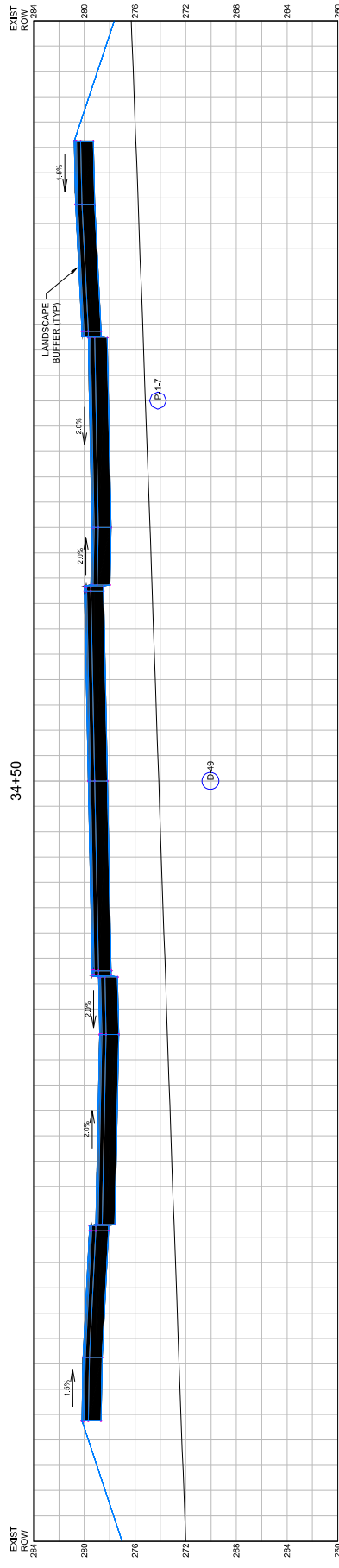
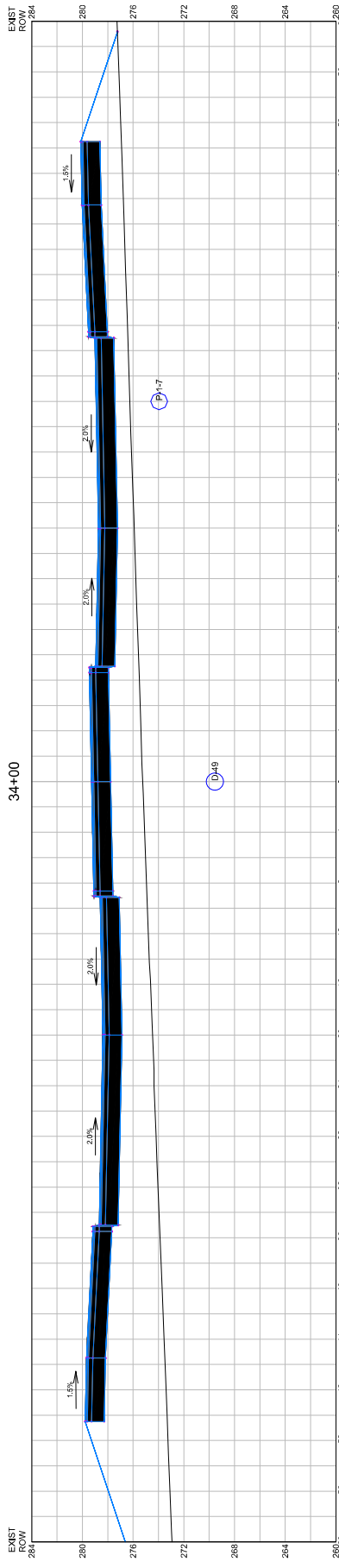
DESIGNER / ENGINEER

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The Engineers Corp.
TEC, Inc.
282 Merrimack Street, 2nd Floor
Lawrence, Massachusetts 01843
978.941.1792
www.TheEngineersCorp.com

DESIGNED BY: RJE DATE: 8-22-23
CHECKED BY: CTR SCALE: AS NOTED
PROJECT NO.: T1188
TEC CAD FILE: T1188_SECTION
SUBDIVISION: 34+00 TO 35+00



C-49
SHEET 49 OF 55



HORIZONTAL AND VERTICAL SCALE
SCALE IN FEET

ROADWAY TITLE
Roadway Cross
Sections
34+00 to 35+00
SUBDIVISION NAME & LOCATION

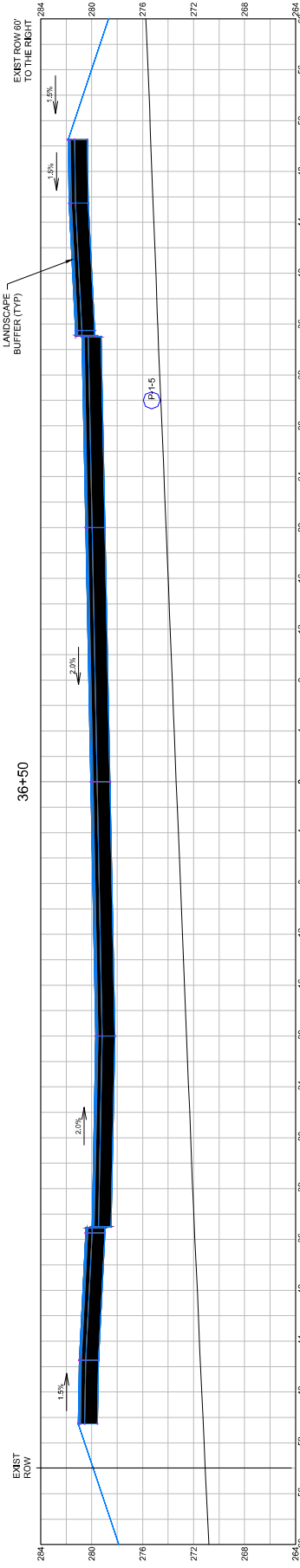
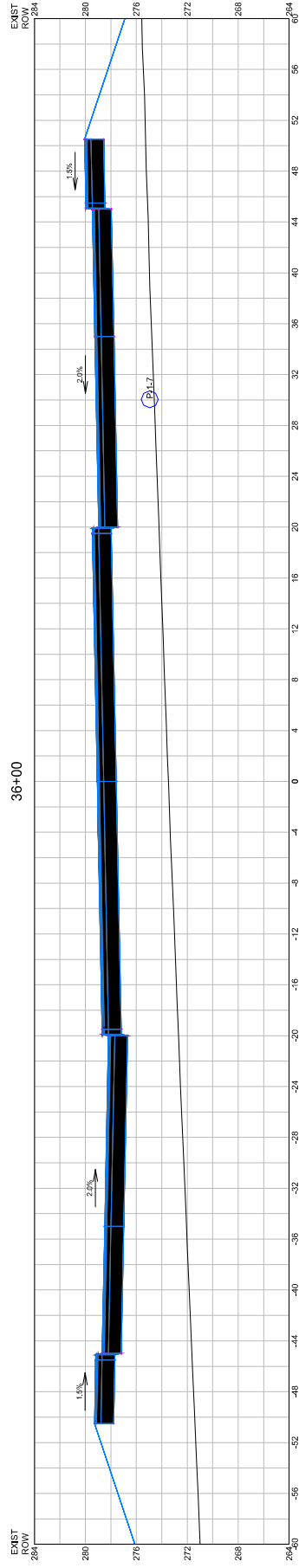
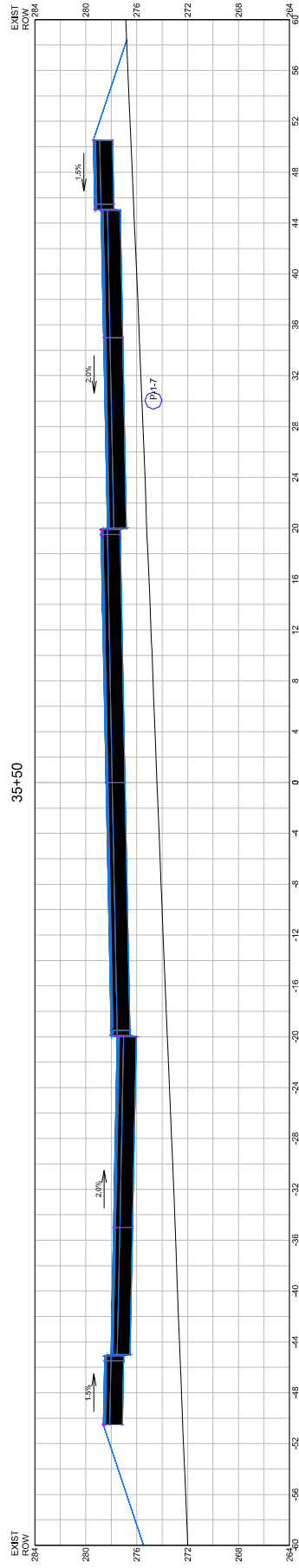
King Street
Commons
550 King Street
Littleton, MA 01460

OWNER / APPLICANT / SUBDIVISOR
Lupoli Companies
290 Merrimack Street
Lawrence, MA 01840

DESIGNER / ENGINEER

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978.944.1792
www.TheEngineersCorp.com
Lawrence | Hampton | Worcester
DESIGNED BY: JLF DATE: 8-22-23
CHECKED BY: CJK SCALE: AS NOTED

PROJECT NO.
T1188
TEC CAD FILE
T1188_SECTION
34+00 TO 35+00
C-50
SHEET 50 OF 55



A horizontal scale bar with markings at 4, 0, 4, and 8. The text "HORIZONTAL AND VERTICAL SCALE" is written vertically above the bar, and "SCALE IN FEET" is written horizontally below the bar.

DRAWING TITLE	SUBDIVISION NAME & LOCATION
Roadway Cross Sections 35+50 to 36+50	

King Street Commons
550 King Street
Littleton, MA 01460

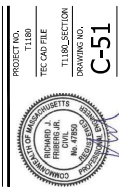
OWNER / APPLICANT / SUBVENDOR
Lupoli Companies
290 Merrimack Street
Lawrence, MA 01840

DESIGNER / ENGINEER

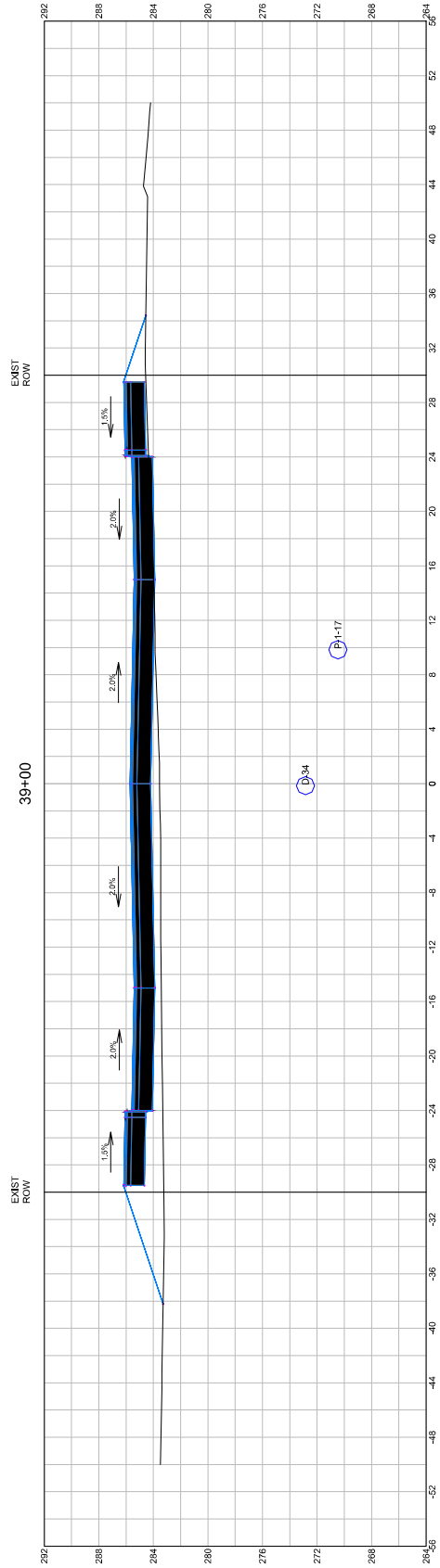
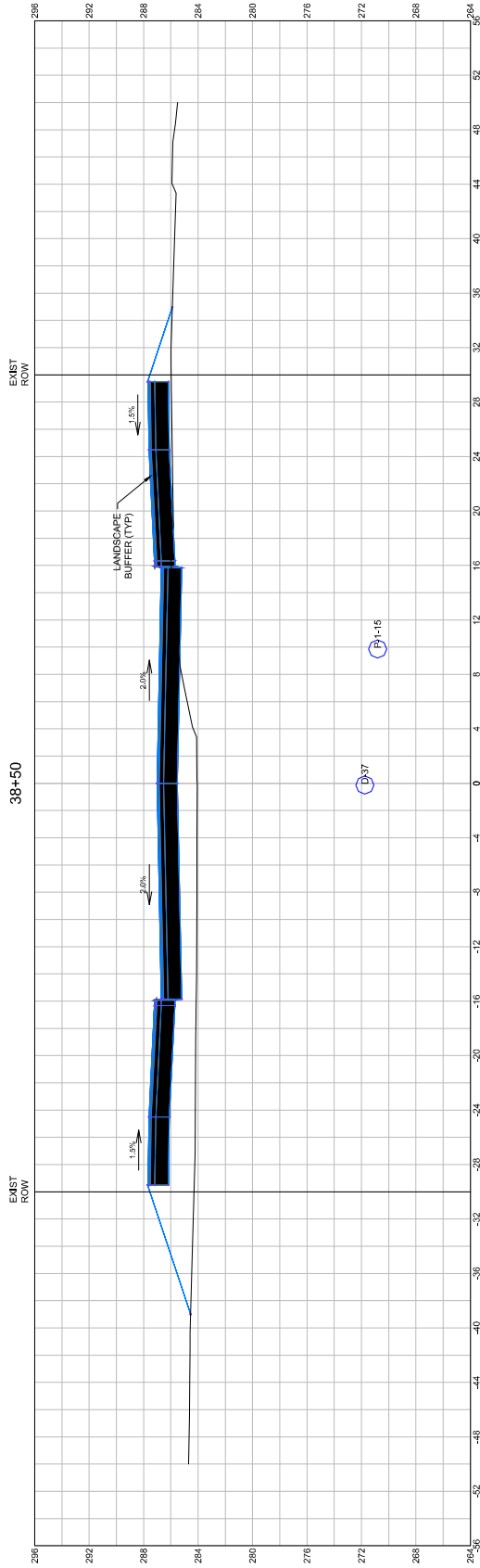


TEC, Inc.
282 Merrimack Street, 2nd Floor
Lawrence, Massachusetts 01843
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www.TheEngineeringCorp.com

DESIGNED BY	RJF	DATE	8-22-23
CHECKED BY	CPR	SCALE	AS NOTED



C-51
SHEET 51 OF 56



HORIZONTAL AND VERTICAL SCALE
SCALE IN FEET

DRAWING TITLE

Roadway Cross
Sections
38+50 to 39+00
SUBMITTAL DATE LOCATION

King Street
Commons
550 King Street
Littleton, MA 01460

OWNER / APLICANT / SUBMITTER

Lupoli Companies
290 Merrimack Street
Lawrence, MA 01840

DESIGNER / ENGINEER

TEC
The Engineers Corp.

282 Merrimack Street, 2nd Floor
Lawrence, Massachusetts 01843
978.941.1792
www.TheEngineersCorp.com
Lawrence | Hampton | Worcester

DESIGNED BY: RJE DATE: 8-22-23

CHECKED BY: CRR SCALE: AS NOTED

PROJECT NO.

TEC CAD FILE

11.100 SECTION

DATE: 8-22-23

PROJECT NO.

TEC CAD FILE

11.100 SECTION

DATE: 8-22-23

PROJECT NO.

TEC CAD FILE

11.100 SECTION

DATE: 8-22-23

PROJECT NO.

TEC CAD FILE

11.100 SECTION

DATE: 8-22-23

PROJECT NO.

TEC CAD FILE

11.100 SECTION

DATE: 8-22-23

PROJECT NO.

TEC CAD FILE

11.100 SECTION

DATE: 8-22-23

PROJECT NO.

TEC CAD FILE

11.100 SECTION

DATE: 8-22-23

PROJECT NO.

TEC CAD FILE

11.100 SECTION

DATE: 8-22-23

PROJECT NO.

TEC CAD FILE

11.100 SECTION

DATE: 8-22-23

PROJECT NO.

TEC CAD FILE

11.100 SECTION

DATE: 8-22-23

PROJECT NO.

TEC CAD FILE

11.100 SECTION

DATE: 8-22-23

PROJECT NO.

TEC CAD FILE

11.100 SECTION

DATE: 8-22-23

PROJECT NO.

TEC CAD FILE

11.100 SECTION

DATE: 8-22-23

PROJECT NO.

TEC CAD FILE

11.100 SECTION

DATE: 8-22-23

PROJECT NO.

TEC CAD FILE

11.100 SECTION

DATE: 8-22-23

PROJECT NO.

TEC CAD FILE

11.100 SECTION

DATE: 8-22-23

PROJECT NO.

TEC CAD FILE

11.100 SECTION

DATE: 8-22-23

PROJECT NO.

TEC CAD FILE

11.100 SECTION

DATE: 8-22-23

PROJECT NO.

TEC CAD FILE

11.100 SECTION

DATE: 8-22-23

PROJECT NO.

TEC CAD FILE

11.100 SECTION

DATE: 8-22-23

PROJECT NO.

TEC CAD FILE

11.100 SECTION

DATE: 8-22-23

PROJECT NO.

TEC CAD FILE

11.100 SECTION

DATE: 8-22-23

PROJECT NO.

TEC CAD FILE

11.100 SECTION

DATE: 8-22-23

PROJECT NO.

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TEC CAD FILE

11.100 SECTION

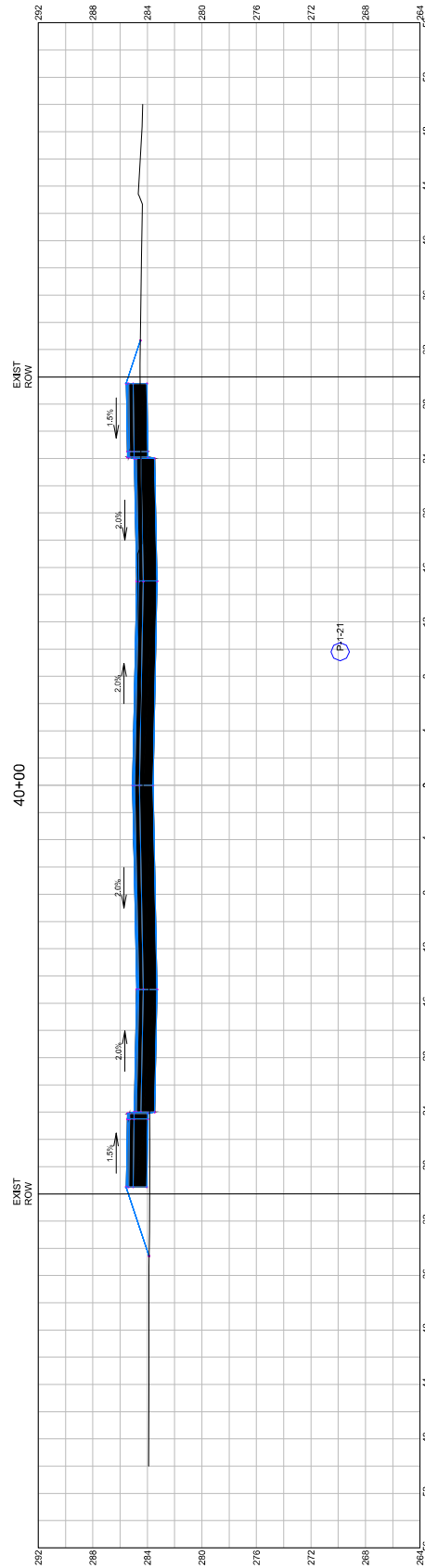
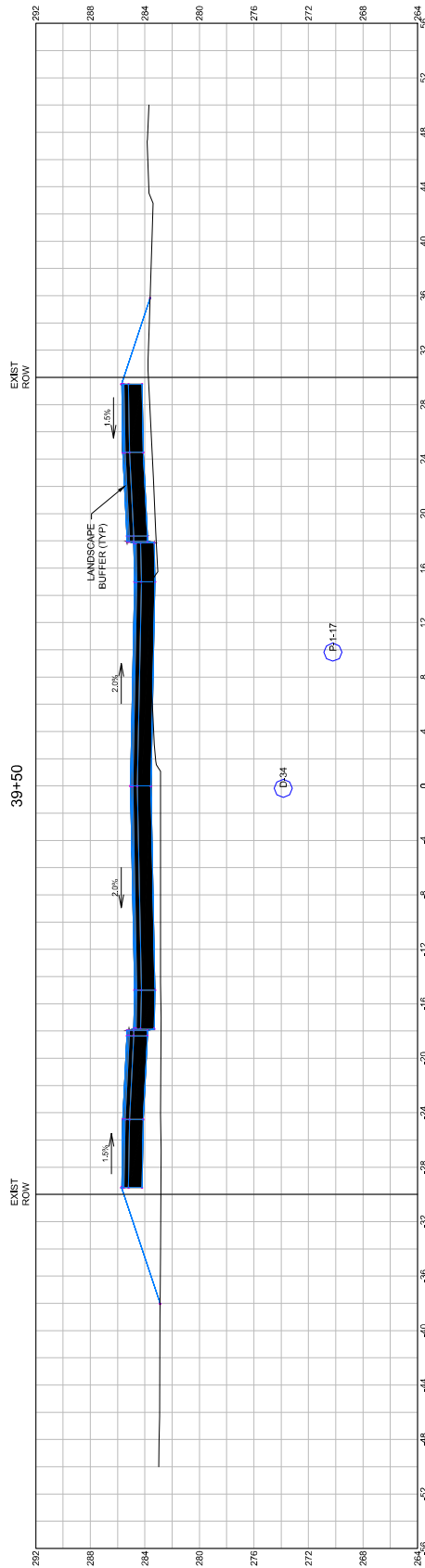
DATE: 8-22-23

PROJECT NO.

TEC CAD FILE

11.100 SECTION

DATE: 8-22-23



HORIZONTAL AND VERTICAL SCALE
SCALE IN FEET

ROADWAY CROSS
SECTIONS
39+50 TO 40+00
SUBDIVISION NAME & LOCATION
King Street
Commons
550 King Street
Littleton, MA 01460

OWNER / APPLICANT / SUBMITTER
Lupoli Companies
290 Merrimack Street
Lawrence, MA 01840

DESIGNER / ENGINEER

TEC
The Engineering Corp.
TEC, Inc.
282 Merrimack Street, 2nd Floor
Lawrence, Massachusetts 01843
978.941.1792
www.TheEngineeringCorp.com

DESIGNED BY: RJE DATE: 8-22-23
CHECKED BY: CPH SCALE: AS NOTED

PROJECT NO.
T1188

TEC CAD FILE
T1188_SECTION

DATE PLOTTED:
8/22/2023

PROJECT NO.
T1188

TEC CAD FILE
T1188_SECTION

DATE PLOTTED:
8/22/2023

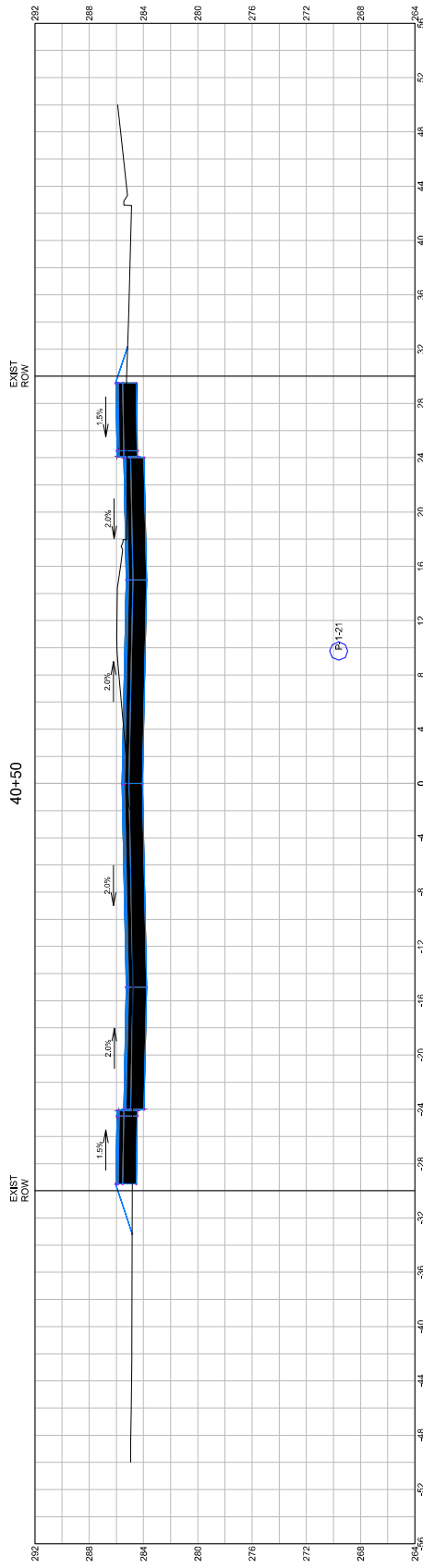
PROJECT NO.
T1188

TEC CAD FILE
T1188_SECTION

DATE PLOTTED:
8/22/2023



C-53
SHEET 53 OF 55



HORIZONTAL AND VERTICAL SCALE
SCALE IN FEET

ROADWAY TITLE
Roadway Cross
Sections
40+50

SECTION DRAWN LOCATION
King Street
Commons
550 King Street
Littleton, MA 01460

OWNER / APPLICANT / SUBMITTER
Lupoli Companies
290 Merrimack Street
Lawrence, MA 01840

DESIGNER / ENGINEER



TEC, Inc.
282 Merrimack Street, 2nd Floor
Lawrence, Massachusetts 01843
978.944.1792
www.tec-engineering.com
Lawrence | Hampton | Worcester

DESIGNED BY: RJE DATE: 8-22-23
CHECKED BY: CPH SCALE: AS NOTED

PROJECT NO.

11188

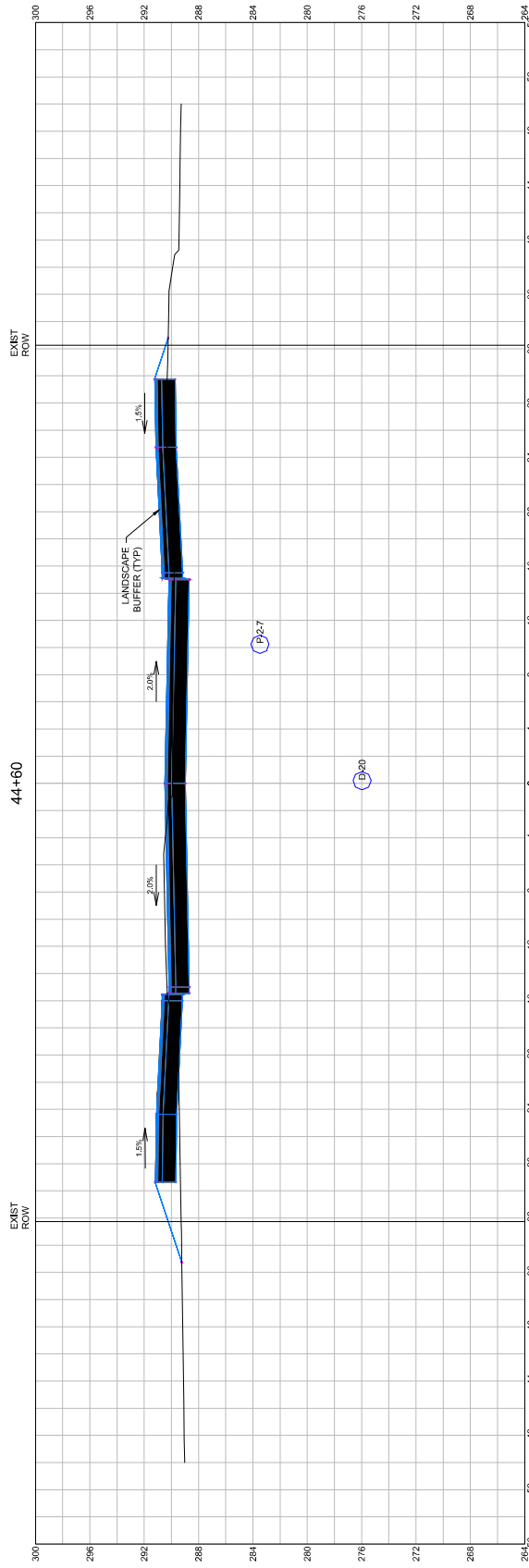
TEC CAD FILE

11188_SECTION

DATE: 8-22-23

C-54

SHEET 54 OF 56



HORIZONTAL AND VERTICAL SCALE
4" = 40' HORIZONTAL
1" = 4' VERTICAL
SCALE IN FEET

ROADWAY TYPE
SECTION
SUBDIVISION NAME & LOCATION

Roadway Cross
Sections
44+60 to 45+00
King Street
Commons
550 King Street
Littleton, MA 01460

OWNER / APPLICANT / SUBMITTER

Lupoli Companies
290 Merrimack Street
Lawrence, MA 01840

DESIGNER / ENGINEER

TEC, Inc.

282 Merrimack Street, 2nd Floor
Lawrence, Massachusetts 01843
978.941.1792
www.TecEngineers.com

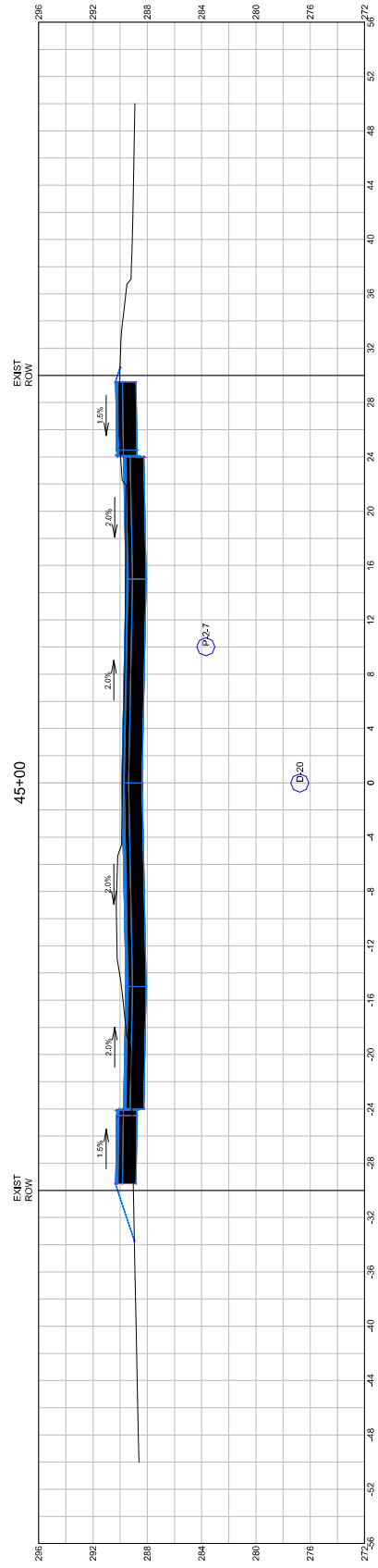
DESIGNED BY: RJE DATE: 8-22-23
CHECKED BY: CPH SCALE: AS NOTED

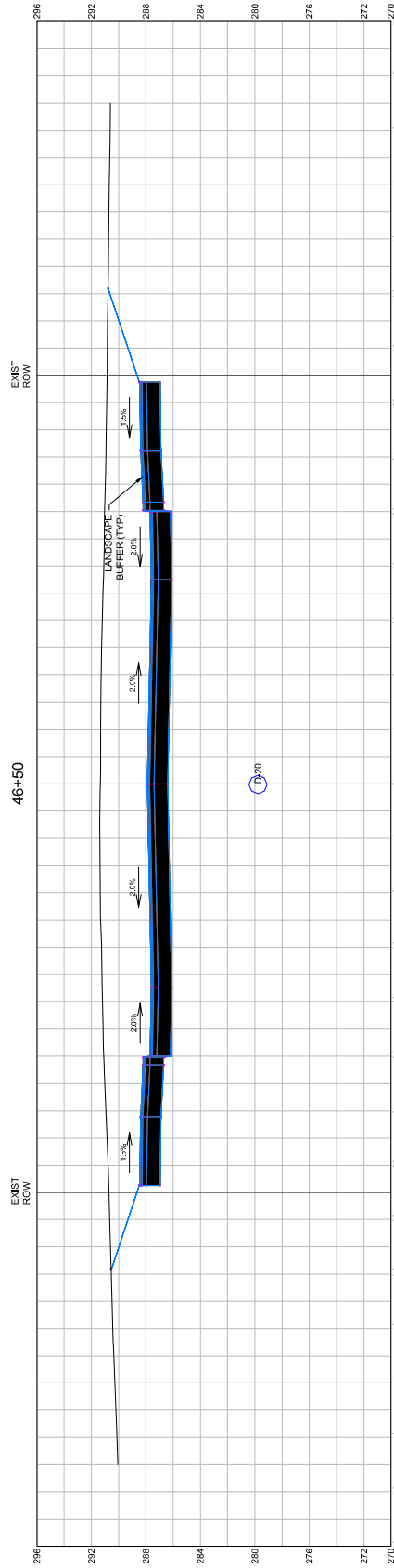
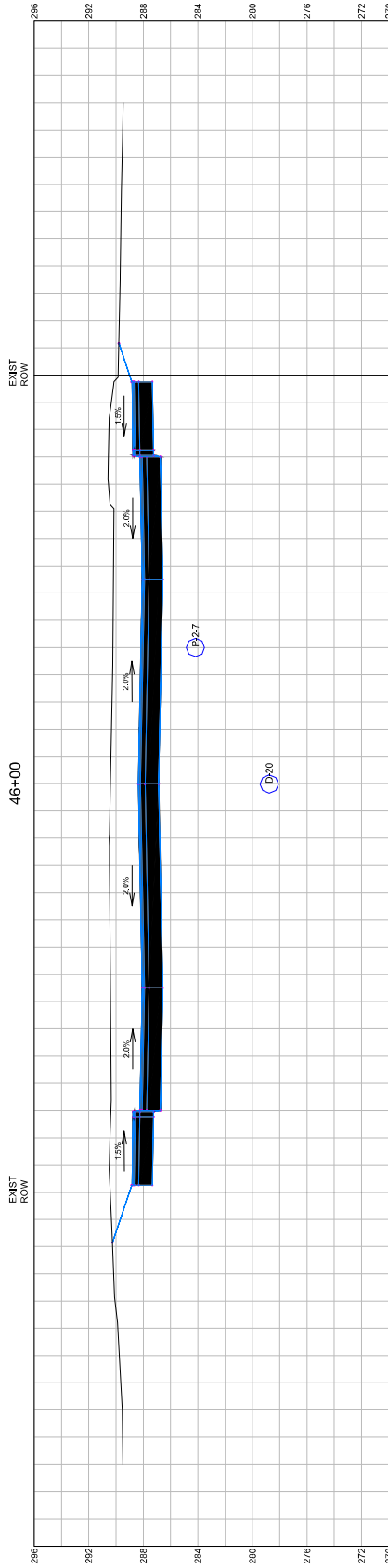
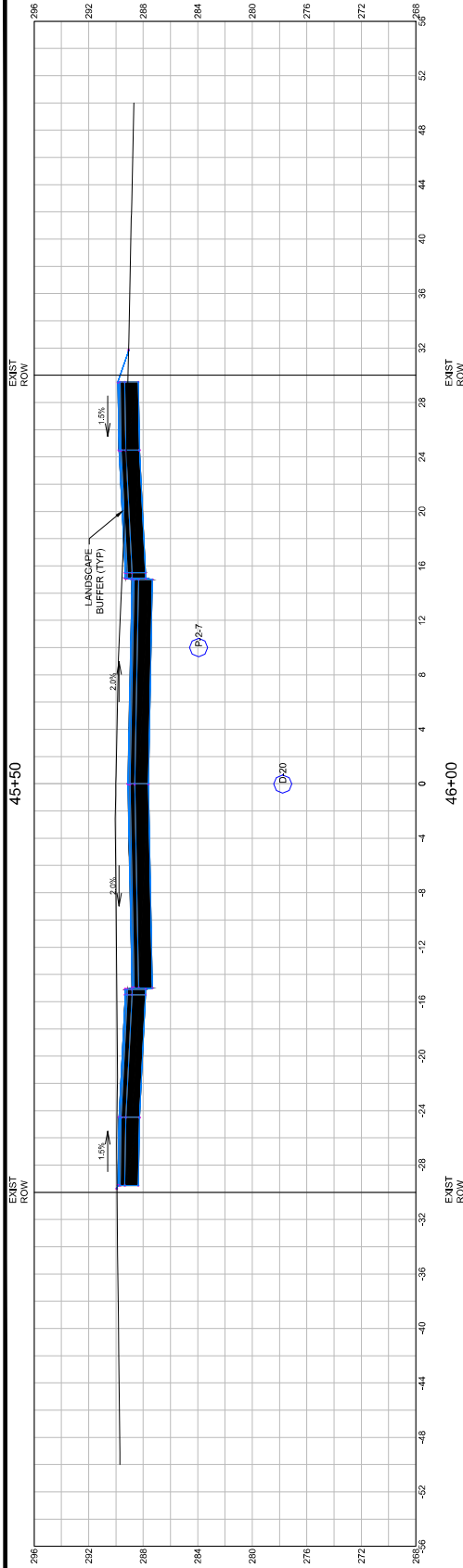
PROJECT NO.
11188

TEC CAD FILE
11188_SECTION
8/22/23

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SHEET 55 OF 55

MASSACHUSETTS
REGISTERED PROFESSIONAL ENGINEER
No. 11188
EXPIRATION DATE 08/31/25





HORIZONTAL AND VERTICAL SCALE

SCALE IN FEET

4 0 4 8

DRAWING TITLE

Roadway Cross
Sections
45+50 to 46+50

SUBDIVISION NAME & LOCATION

King Street
Commons
550 King Street
Littleton, MA 01460

OWNER / AGENCY / SUBMITTER

Lupoli Companies
290 Merrimack Street
Lawrence, MA 01840

DESIGNER / ENGINEER

TEC
The Engineering Center

TEC, Inc.

282 Merrimack Street, 2nd Floor
Lawrence, Massachusetts 01843
978.941.1792

www.TheEngineeringCenter.com

Lawrence | Hampton | Worcester

DESIGNED BY: RJE DATE: 8-22-23

CHECKED BY: CRR SCALE: AS NOTED

PROJECT NO.

11188

TEC CAD FILE

THIS IS A SECTION

DATE: 8-22-23

PROJECT NO.

C-56

SHEET 95 OF 95