

LOCATION MAP

LATITUDE: 39°38'10" LONGITUDE: -84°04'15"



PORTION TO BE IMPROVED	—————
INTERSTATE HIGHWAY	—————
FEDERAL ROUTES	—————
STATE ROUTES	—————
COUNTY & TOWNSHIP ROADS	—————
OTHER ROADS	—————

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FRANKLIN AND MAIN STREET IMPROVEMENTS

GREENE COUNTY
CITY OF BELLBROOK

FEDERAL PROJECT NUMBER

N/A

RAILROAD INVOLVEMENT

N/A

PROJECT DESCRIPTION

THIS PROJECT WILL MILL AND OVERLAY APPROXIMATELY 2,400 FT OF FRANKLIN STREET AND 4,500 FT OF MAIN STREET WITHIN THE CITY'S DOWNTOWN CORE. SEVERAL EXISTING CURB RAMPS WITHIN THE LIMITS WILL BE IMPROVED TO MEET ADA REQUIREMENTS. ENHANCED CROSSWALKS WILL ALSO BE CONSTRUCTED AT A CROSSING ON FRANKLIN ST AND THE WALNUT ST AND MAIN ST INTERSECTION.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA:	0.25 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	ACRES
NOTICE OF INTENT EARTH DISTURBED AREA:	N/A*

* NOI NOT REQUIRED - PROJECT EDA < 1 ACRE

2023 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS, CHANGES LISTED IN THE PROPOSAL, AND THE SUPPLEMENTAL SPECIFICATION 800 VERSION INDICATED ON THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

UNDERGROUND UTILITIES
 Contact Two Working Days
 Before You Dig

OHIO811.org
 Before You Dig

OHIO811, 8-1-1, or 1-800-362-2764
 (Non members must be called directly)

PLAN PREPARED BY:

LJB Inc.
 2500 Newmark Drive
 Miamisburg, OH 45342
 (866) 552-3536 | LJBinc.com

ENGINEER'S SEAL

SHEETS 1-42

STATE OF OHIO
 BRANT GRESSEL
 E-87761
 REGISTERED PROFESSIONAL ENGINEER

Brant Gressel

Digitally signed by Brant Gressel
 DN: cn=LJB Inc., o=LJB Inc., ou=LJB Inc., email=brant.gressel@ljbinc.com, c=OH, Date: 2023.08.11 16:24:24-0400

STANDARD CONSTRUCTION DRAWINGS				SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS
BP-3.1	1/21/22	TC-71.10	4/21/23	800-2023 7/21/2023	
BP-5.1	7/15/22	TC-74.10	1/20/23	832 7/15/22	
BP-7.1	1/20/23	TC-87.10	7/21/23		
CB-3	7/16/21				
DM-1.1	7/17/20				
MT-95.61	4/19/19				
MT-97.11	1/20/17				
MT-99.20	4/19/19				
TC-41.20	10/18/13				
TC-42.20	10/18/13				
TC-52.10	10/18/13				
TC-52.20	1/15/21				

APPROVED _____
 DATE _____ ROB SCHOMMER, BELLBROOK CITY MANAGER

DESIGN AGENCY	
DESIGNER	DEA
REVIEWER	BMG 07/19/23
PROJECT ID	125940
SHEET	TOTAL
1	47

PROJECT CONTROL COORDINATES

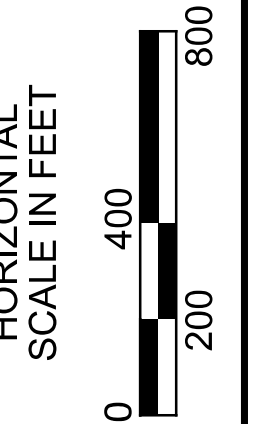
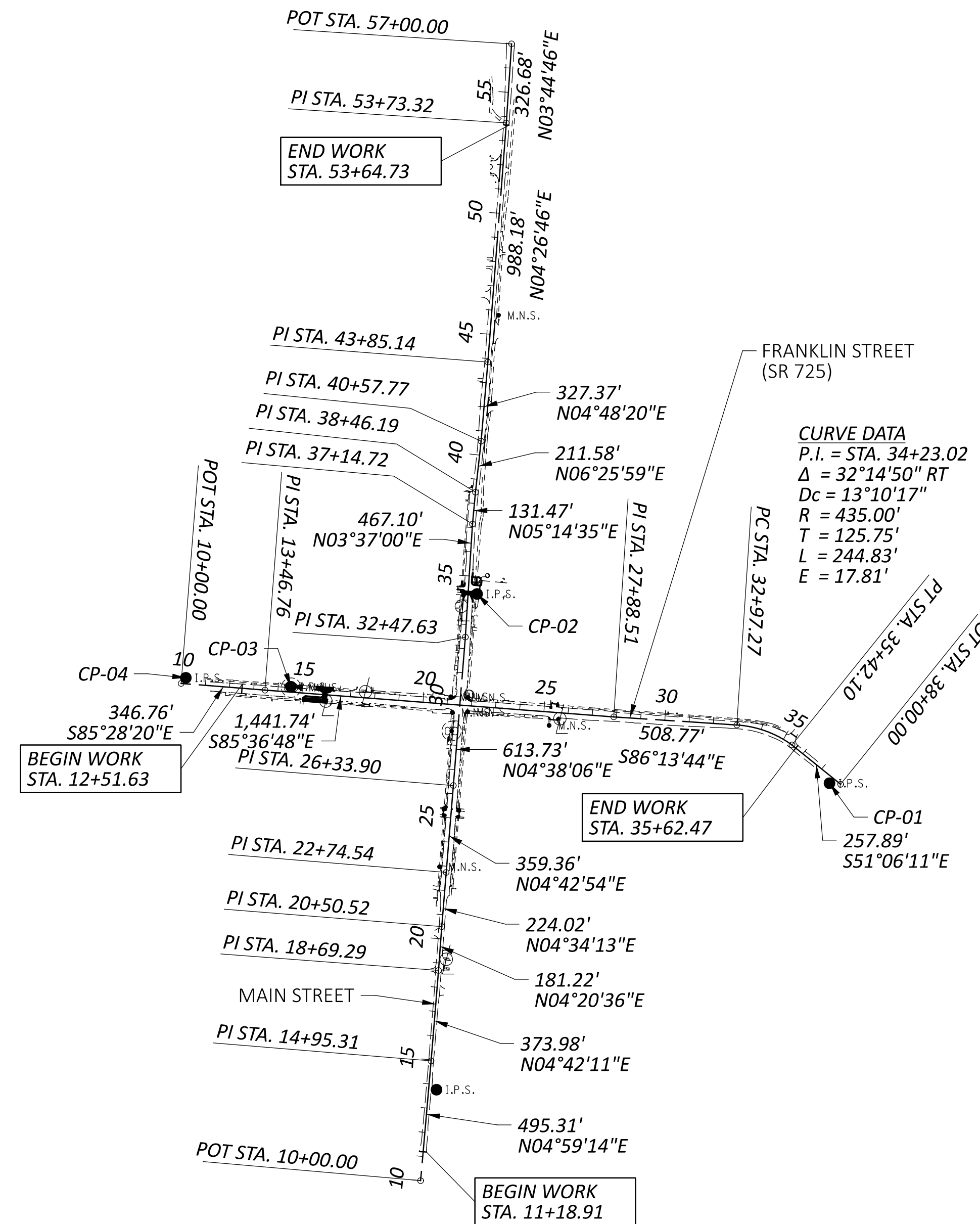
POINT NO.	GRID		GROUND		ELEVATION	DESCRIPTION
	NORTHING	EASTING	NORTHING	EASTING		
CP1	599391.20	1527676.12	599391.16	1527676.24	766.55	3"LJB CTRL Disk
CP2	600171.20	1526223.43	600171.23	1526223.43	798.10	3"LJB CTRL Disk
CP3	598128.26	1526056.03	598128.11	1526056.02	772.54	3"LJB CTRL Disk
CP4	599825.69	1525022.71	599825.69	125022.61	792.92	3"LJB CTRL Disk

PROJECT CENTERLINE COORDINATES - GROUND

NORTHING	EASTING	STATION	DESCRIPTION
599802.381	1525003.275	10+00.00	POT
599775.006	1525348.958	13+46.76	PI
599664.732	1526786.477	27+88.51	PI
599631.269	1527294.142	32+97.27	PC
599622.998	1527419.620	34+23.02	PI
599549.051	1527521.331	35+42.10	PT
599387.114	1527722.045	38+00.00	POT

PROJECT CENTERLINE COORDINATES - GROUND

NORTHING	EASTING	STATION	DESCRIPTION
597753.572	1525990.491	10+00.00	POT
598247.006	1526033.550	14+95.31	PI
598619.73	1526064.214	18+69.29	PI
598800.432	1526077.938	20+50.52	PI
599023.743	1526095.789	22+74.54	PI
599381.89	1526125.328	26+33.90	PI
599993.609	1526174.922	32+47.63	PI
600459.775	1526204.386	37+14.72	PI
600590.694	1526216.4	38+46.19	PI
600800.943	1526240.106	40+57.77	PI
601127.16	1526267.53	43+85.14	PI
602112.368	1526344.137	53+73.32	PI



SCHEMATIC

DESIGN AGENCY



DESIGNER	AA
REVIEWER	BMG 07/19/23
PROJECT ID	125940
SHEET	TOTAL
2	47

LEGEND

- | | | | |
|---|---|----|--|
| 1 | ITEM 441 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22 | 8 | ITEM 608 - 4" CONCRETE WALK |
| 2 | ITEM 407 - NON-TRACKING TACK COAT (APPLIED AT 0.055 GAL/SY) | 9 | ITEM 609 - CURB, TYPE 6 |
| 3 | ITEM 301 - 6" ASPHALT CONCRETE BASE, PG64-22, (449) | 10 | ITEM 659 - SEEDING AND MULCHING |
| 4 | ITEM 304 - 8" AGGREGATE BASE (PLACED IN TWO EQUAL COURSES) | 11 | ITEM 204 - SUBGRADE COMPACTION |
| 5 | ITEM 441 - 2 1/2" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448) | 12 | ITEM 608 - WALKWAY, MISC: SIDEWALK PAVERS (SEE GENERAL NOTES, SHEET 5) |
| 6 | ITEM 407 - NON-TRACKING TACK COAT (APPLIED AT 0.085 GAL/SY) | 13 | ITEM 611 - SPECIAL - TRENCH DRAIN (SEE GENERAL NOTES, SHEET 5) |
| 7 | ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (1 1/2") | | |

- | | |
|---|--------------------------|
| A | EXISTING PAVEMENT |
| B | EXISTING CURB |
| C | EXISTING CURB AND GUTTER |
| D | EXISTING WALK |

A MATCH EXISTING BACK OF WALK

D THE EXISTING PAVEMENT EDGES SHALL BE SAW CUT EITHER 1 FT INTO THE EXISTING PAVEMENT OR 2 FT FROM THE PROPOSED CURB, WHICHEVER IS GREATER, TO LOCATE A SOUND PAVEMENT EDGE. FOR ESTIMATING PURPOSES, QUANTITIES INCLUDED IN THE PLAN INDICATE AN AVERAGE WIDTH OF 1 FT OF EXISTING PAVEMENT BEING REPLACED.

F ASPHALT CURB

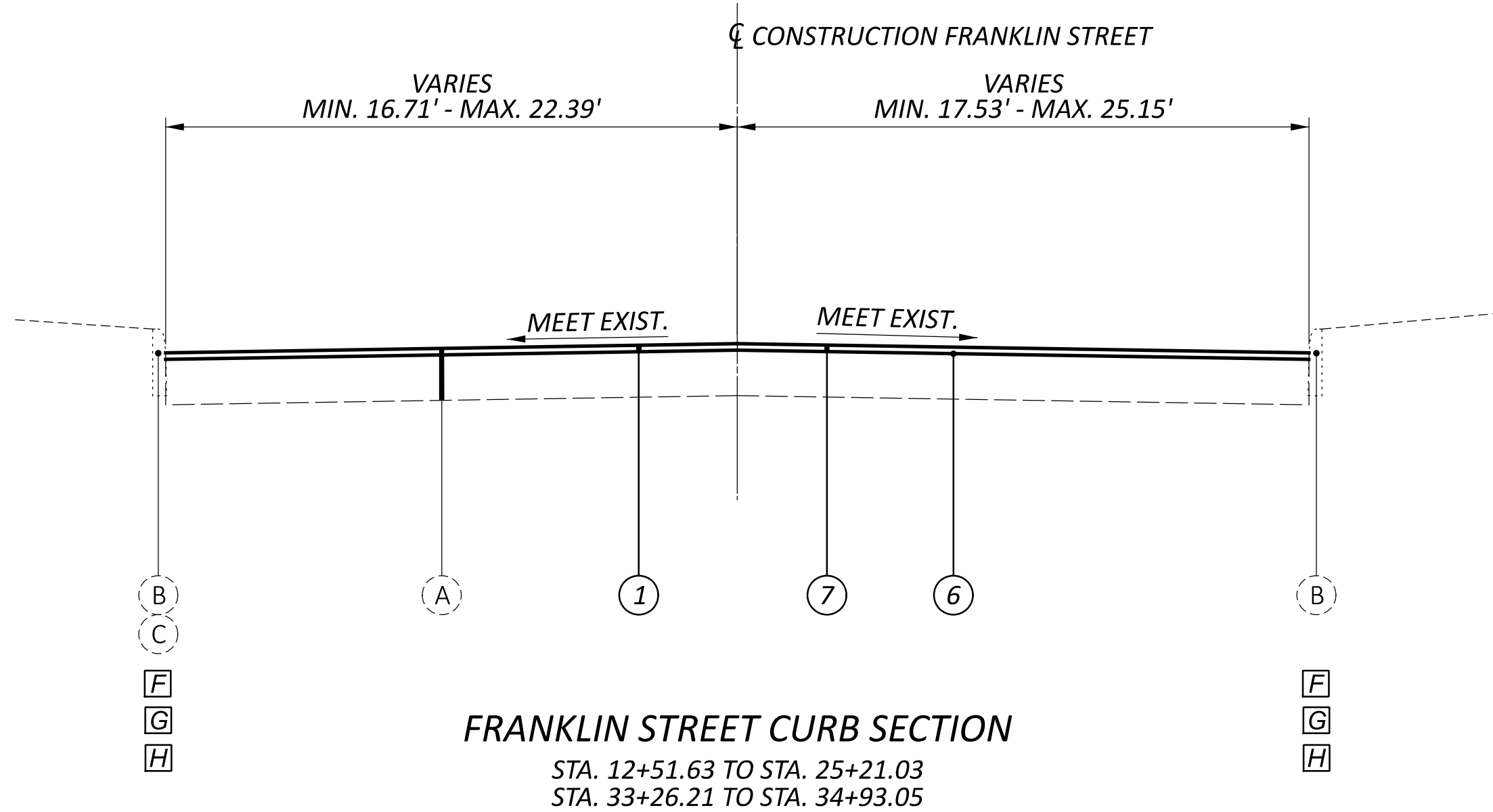
STA. 12+51.63 LT TO 17+85.78 LT
 STA. 12+51.63 RT TO 14+22.10 RT
 STA. 16+25.66 RT TO 19+60.35 RT

G BARRIER CURB

STA. 14+22.10 RT TO 16+25.66 RT
 STA. 17+85.78 LT TO 25+21.03 LT
 STA. 19+60.35 RT TO 25+21.03 RT

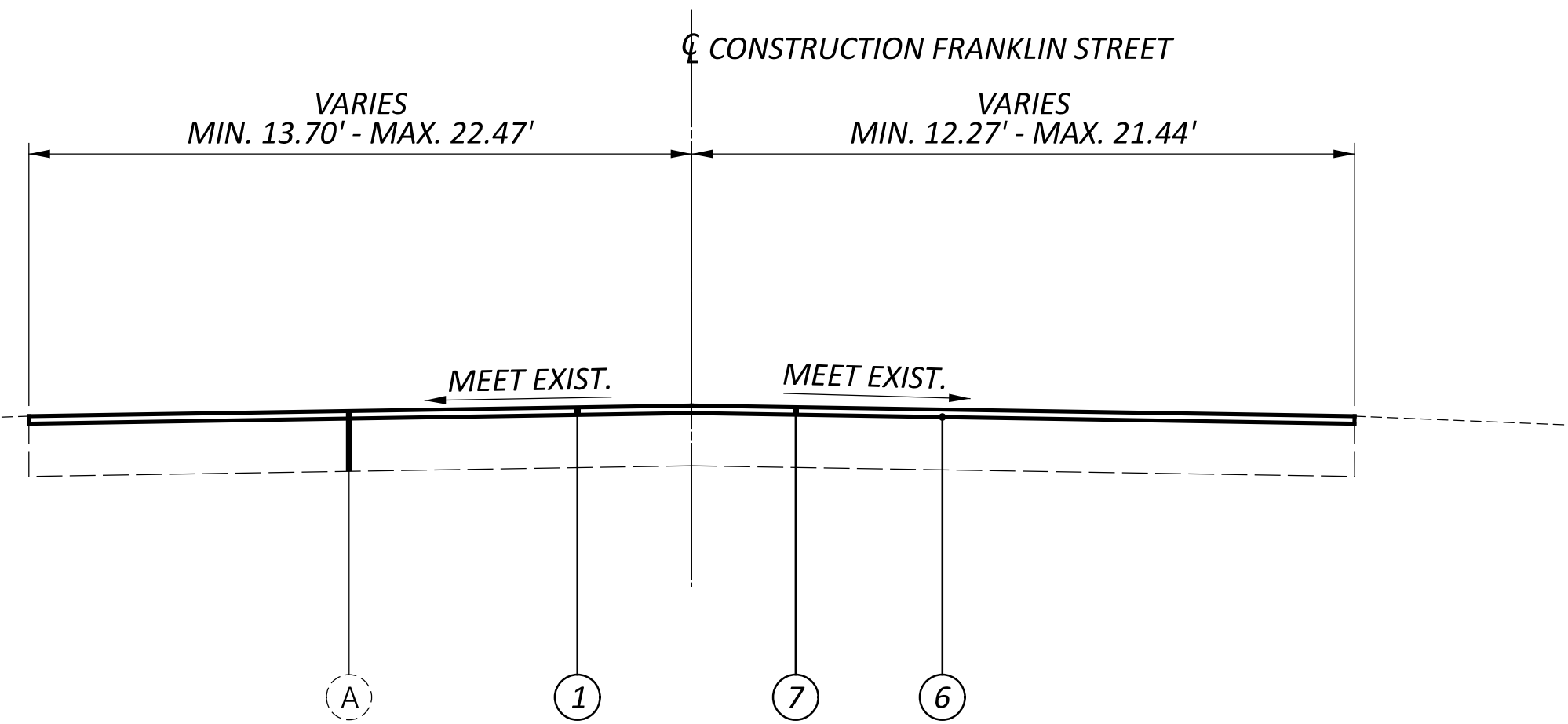
H CURB AND GUTTER

STA. 33+26.21 LT TO STA. 34+93.05 LT



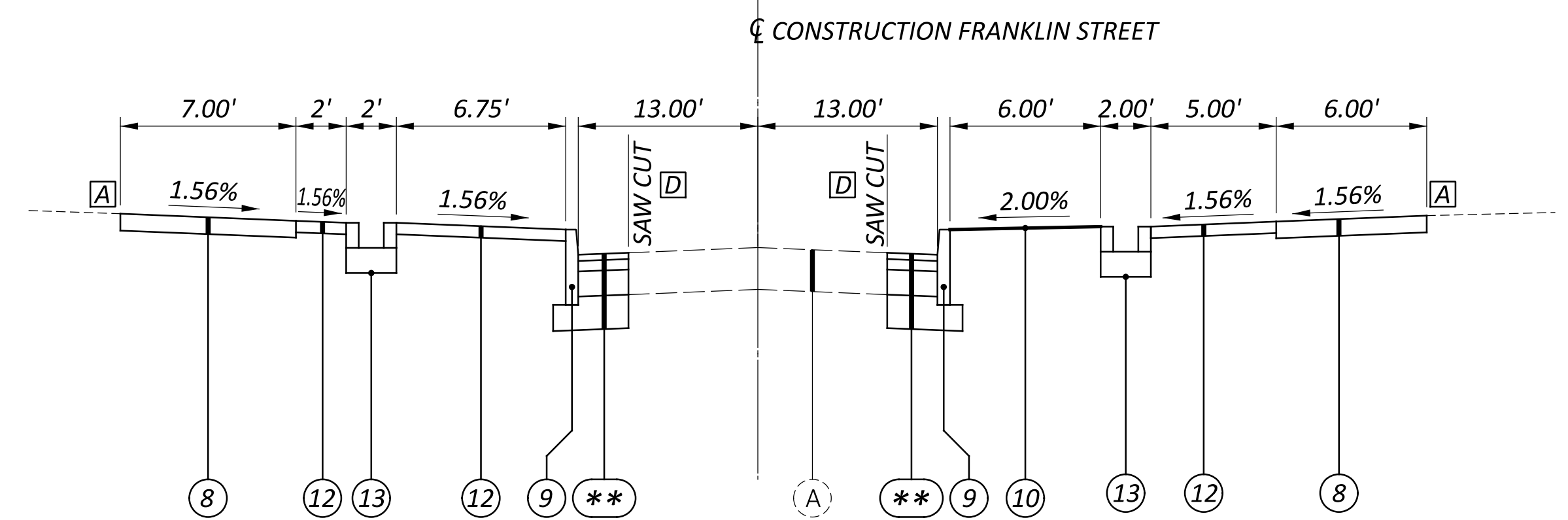
FRANKLIN STREET CURB SECTION

STA. 12+51.63 TO STA. 25+21.03
 STA. 33+26.21 TO STA. 34+93.05



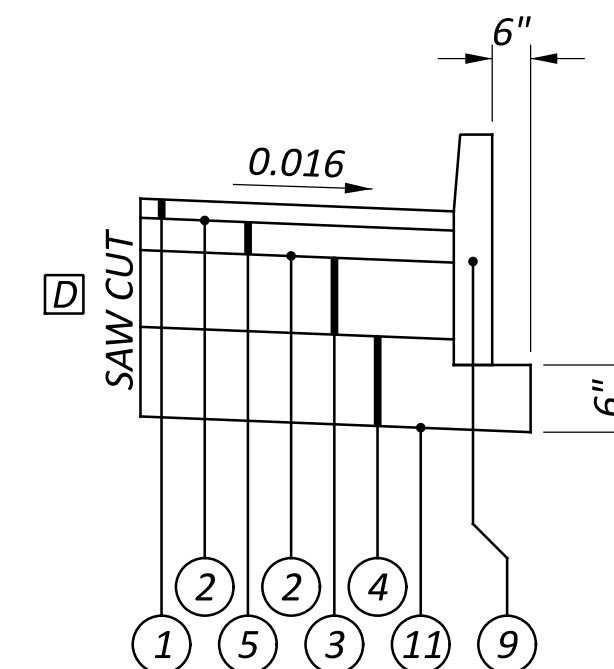
FRANKLIN STREET UNCURBED SECTION

STA. 25+21.03 TO STA. 33+26.21
 STA. 34+93.05 TO STA. 35+62.50



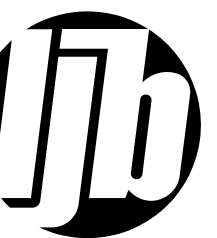
FRANKLIN STREET CURB BUMP OUT (SEE SHEET 24)

STA. 15+07.08 RT TO STA. 16+04.58 RT
 STA. 15+55.49 LT TO STA. 16+31.09 LT



** FULL DEPTH PAVEMENT BUILD UP DETAIL
 (NOT TO SCALE)

DESIGN AGENCY



DESIGNER

JMD

REVIEWER

BMG 07/19/23

PROJECT ID

125940

SHEET TOTAL

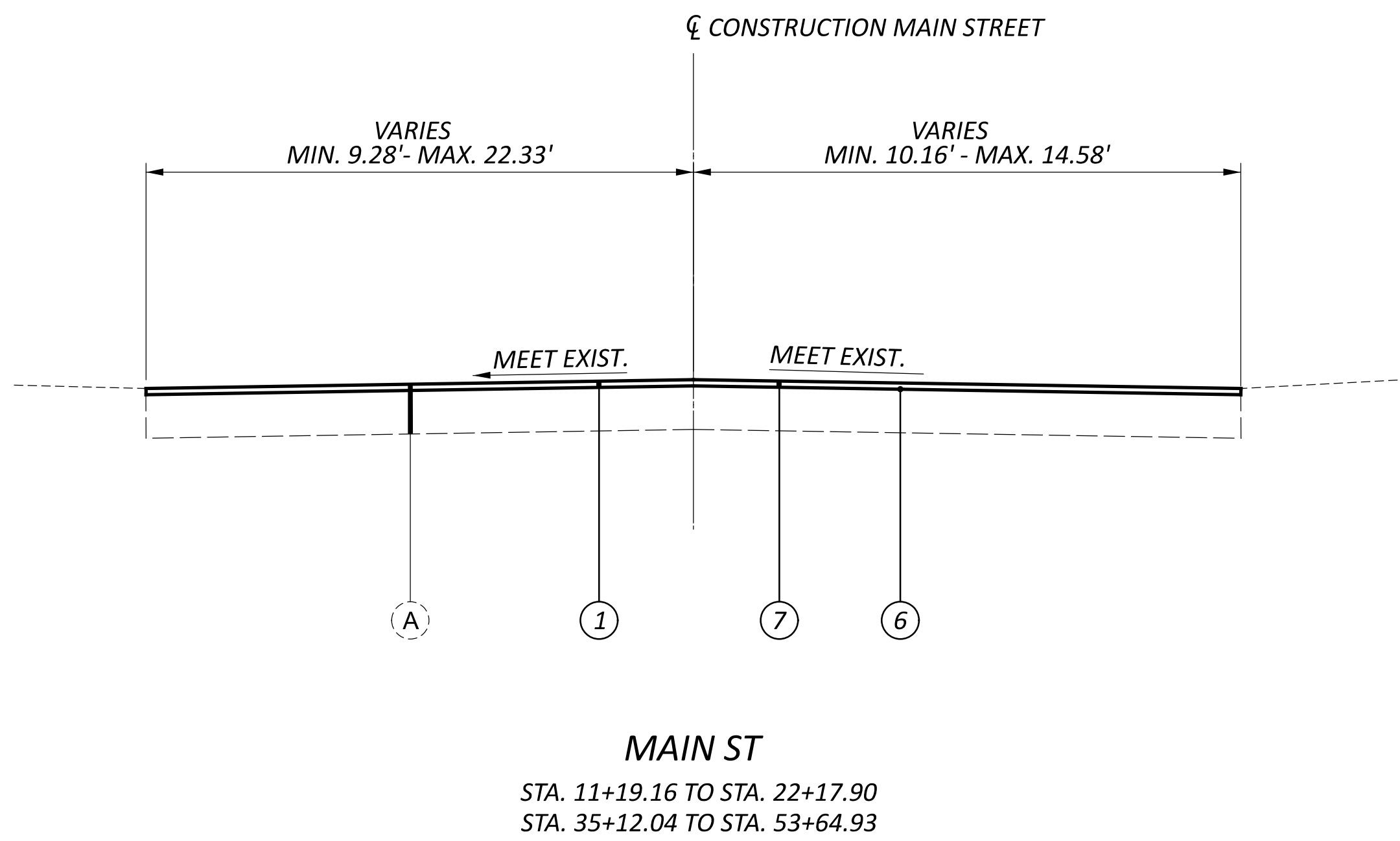
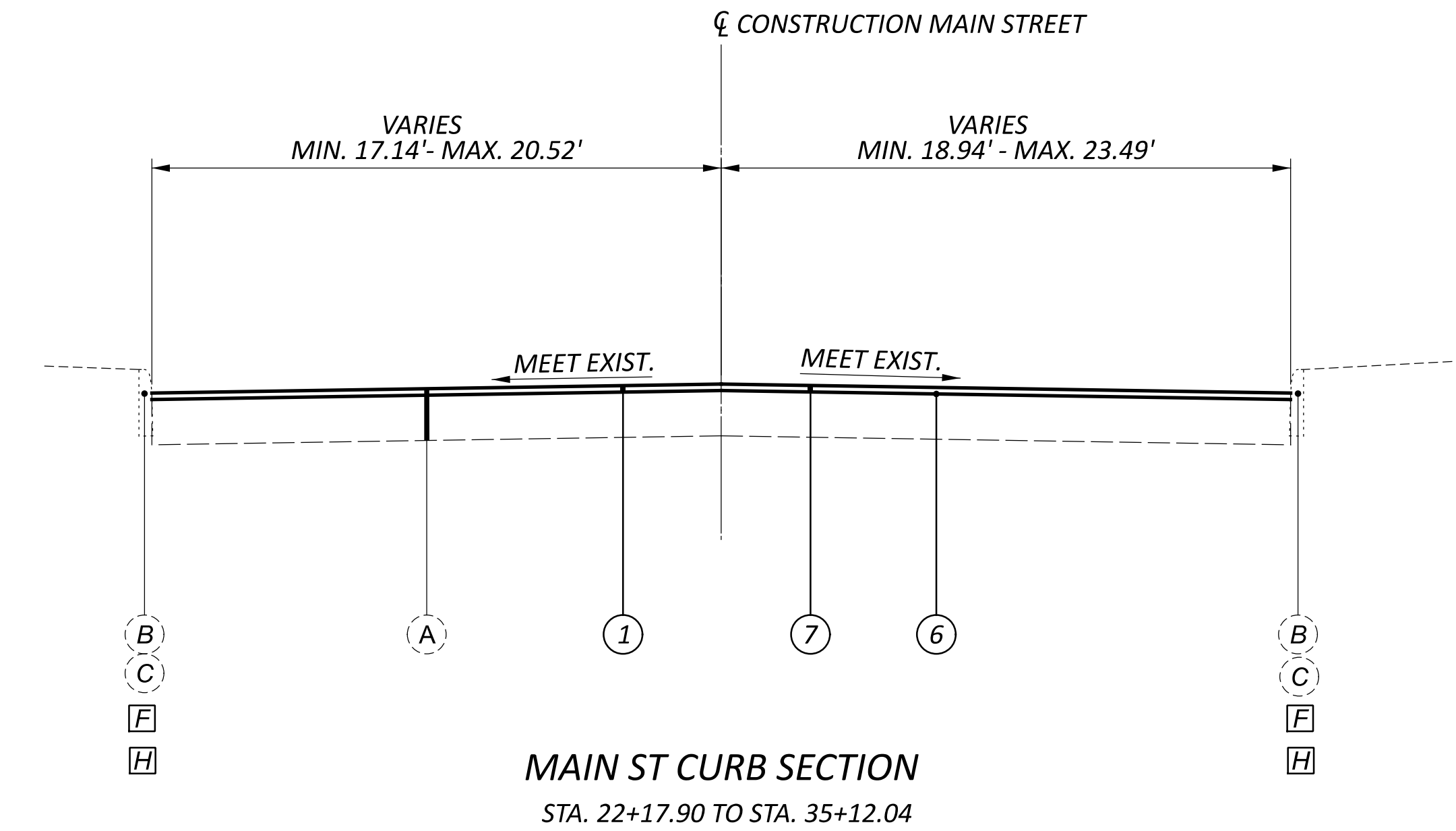
3 47

F ASPHALT CURB

STA. 11+19.39 TO 22+18.08
 STA. 34+33.97 TO 53+73.32

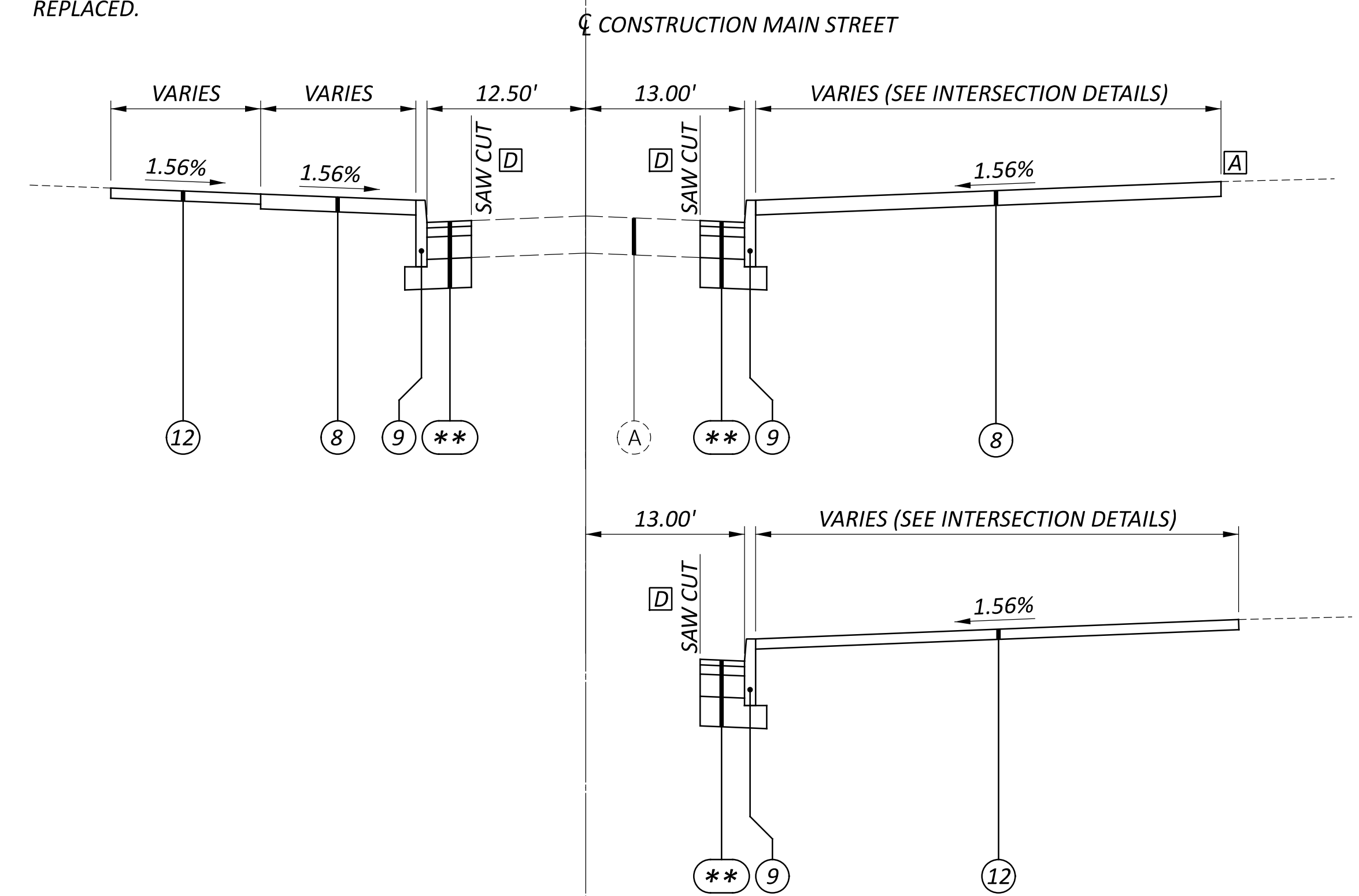
H CURB AND GUTTER

STA. 22+18.08 TO STA. 34+33.97



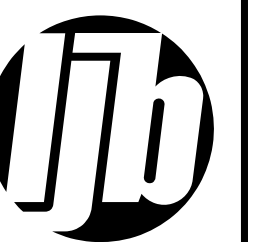
D THE EXISTING PAVEMENT EDGES SHALL BE SAW CUT EITHER 1 FT INTO THE EXISTING PAVEMENT OR 2 FT FROM THE PROPOSED CURB, WHICHEVER IS GREATER, TO LOCATE A SOUND PAVEMENT EDGE. FOR ESTIMATING PURPOSES, QUANTITIES INCLUDED IN THE PLAN INDICATE AN AVERAGE WIDTH OF 1 FT OF EXISTING PAVEMENT BEING REPLACED.

A MATCH EXISTING BACK OF WALK



TYPICAL SECTIONS

DESIGN AGENCY



DESIGNER	JMD
REVIEWER	BMG 07/19/23
PROJECT ID	125940
SHEET	TOTAL
4	47

UTILITIES

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

GAS:
CENTERPOINT ENERGY COMPANY (DISTRIBUTION)
KELLY SPURLOCK
6500 CLYO RD.
CENTERVILLE, OH 45459
937-291-7116
KELLY.SPURLOCK@CENTERPOINTENERGY.COM

CENTERPOINT ENERGY COMPANY (TRANSMISSION)
NICK DEARING
6500 CLYO RD.
CENTERVILLE, OH 45459
765-648-3246
NICHOLAS.DEARING@CENTERPOINTENERGY.COM

ELECTRIC:
AES OHIO
WILLIAM WARD
1900 DRYDEN RD.
DAYTON, OH 45439
937-554-9063
WILLIAM.WARD@AES.COM

WATER:
CITY OF BELLBROOK
RYAN PASLEY
15 EAST FRANKLIN ST.
BELLBROOK, OH 45305
937-296-3588
R.PASLEY@CITYOFBELLBROOK.ORG

GREENE COUNTY SANITARY ENGINEERS
667 DAYTON-XENIA RD.
XENIA, OH 45385
937-562-7461
SED_PED@GREENECOUNTYOHI.OV

SANITARY:
GREENE COUNTY SANITARY ENGINEERS
667 DAYTON-XENIA RD.
XENIA, OH 45385
937-562-7461
SED_PED@GREENECOUNTYOHI.OV

TELECOMM:
AT&T - OHIO
HOWARD LAUDERMIK
3233 WOODMAN DR.
DAYTON, OH 45420
937-296-3588
HL1596@ATT.COM

CHARTER COMMUNICATIONS
TARA WILLIAMSON
3691 TURNER RD.
DAYTON, OH 45415
937-425-6854
TARA.WILLIAMSON@CHARTER.COM

LUMEN
TERRY SPAW
9490 MERIDIAN WAY
WEST CHESTER, OH 45069
513-615-2282
TERRY.SPAW@LUMEN.COM

SURVEYING PARAMETERS

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS. SEE SHEET 2 OF THE PLANS FOR A TABLE CONTAINING PROJECT CONTROL INFORMATION.

USE THE FOLLOWING PROJECT CONTROL, VERTICAL POSITIONING, AND HORIZONTAL POSITIONING PARAMETERS FOR ALL SURVEYING:

PROJECT CONTROL

POSITIONING METHOD: ODOT VRS

VERTICAL POSITIONING

ORTHOMETRIC HEIGHT DATUM: NAVD88
GEOID: GEIOD 18 (CONUS)

HORIZONTAL POSITIONING

ELLIPSOID: 804.5'
COMBINED SCALE FACTOR: 0.999912288

USE THE POSITIONING METHODS AND MONUMENT TYPE USED IN THE ORIGINAL SURVEY TO RESTORE ALL MONUMENTS RELATED TO PRIMARY PROJECT CONTROL THAT ARE DAMAGED OR DESTROYED BY CONSTRUCTION ACTIVITIES. RESTORE THE DAMAGED OR DESTROYED MONUMENTS IN ACCORDANCE WITH CMS 623.

UNITS ARE IN U.S. SURVEY FEET.

FULL DEPTH PAVEMENT AND SIDEWALK REPAIR

THE ENGINEER/INSPECTOR SHALL COMPELTE A FIELD VERIFICATION OF THE EXISTING ASPHALT PAVEMENT AND CONCRETE SIDEWALK TO DETERMINE THE AMOUNT OF FULL DEPTH AND SIDEWALK REPAIR NEEDED. THE PAVEMENT BUILDUP FOR FULL DEPTH PAVEMENT REPAIR SHALL MATCH THE FULL DEPTH PAVEMENT BUILDUP SHOWN ON THE TYPICAL SECTIONS ON SHEET 2.

THE FOLLOWING QUANTITIES SHALL BE USED, AT THE DISCRETION OF THE ENGINEER/INSPECTOR, AS REPLACEMENT FOR PAVEMENT AND/OR SIDEWALK IN POOR CONDITION.

ITEM 253 - PAVEMENT REPAIR, AS PER PLAN	400 SY
ITEM 608 - 4" CONCRETE WALK	1180 SF

CONSTRUCTION LIMITS

THE CONSTRUCTION LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE CONSTRUCTION LIMITS.

ADDITIONALLY, CONSTRUCTION LIMITS FOR AREAS OUTSIDE OF CURB BUMP OUTS AND CURB RAMP REPLACEMENTS SHALL BE LIMITED TO THE EDGE OF PAVEMENT, FACE OF CURB AND/OR FACE OF GUTTER PLATE. EXACT CONSTRUCTION LIMIT LINES ARE NOT SHOWN WITHIN AREAS OF RESURFACING, FOR CLARITY.

CLEARING AND GRUBBING

REMOVE ALL TREES AND STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE CONSTRUCTION LIMITS UNDER THE LUMP SUM BID FOR ITEM 201, CLEARING AND GRUBBING. THE FOLLOWING IS AN APPROXIMATE ESTIMATE OF THE NUMBER OF TREES AND STUMPS TO BE REMOVED.

SIZES	NO. TREES	NO. STUMPS	TOTAL
18"	1	0	1

ITEM 608 - DETECTABLE WARNING, AS PER PLAN

REMOVE EXISTING BRICK DETECTABLE WARNING AND REPLACE WITH BRICK RED DETECTABLE WARNING PADS, AS SUPPLIED BY ADA SOLUTIONS OR APPROVED EQUAL. FOLLOW SPECIFICATIONS OUTLINED IN ODOT CMS SECTION 608.07. ALL LABOR AND MATERIAL REQUIRED TO REMOVE EXISTING DETECTABLE WARNINGS AND INSTALL NEW DETECTABLE WARNINGS SHALL BE INCLUDED IN THE CONTRACT UNIT BID PRICE FOR ITEM 608 - DETECTABLE WARNING, AS PER PLAN.

ITEM 608 - WALKWAY, MISC: SIDEWALK PAVERS

PAVING BRICK PAVER SHALL BE NOMINALLY 4" X 8" X 2 1/4" BRICK, SOLID (UNCORED) COMPLYING WITH REQUIREMENTS OF ASTM C902, CLASS SX, TYPE I STANDARD SPECIFICATIONS FOR PEDESTRIAN AND LIGHT TRAFFIC.

FINAL PAVER APPROVAL SHALL BE MADE ON SITE. CONTRACTOR SHALL PERFORM MOCKUP WITH A FIELD SAMPLE FOR REVIEW AND APPROVAL OF PAVERS PRIOR TO INSTALLATION OF UNIT PAVERS. THE FOLLOWING COLOR SHOULD BE USED IN PAVER INSTALLATION:

"LIGHT COLOR" - "CLEAR RED (RUSTIC) #30" PER WG, OR APPROVED EQUAL.

WG = WHITAKER GREER PAVERING BRICK CO., 1400 S. MAHONING AVE., AFFIANCE, OH 44601, 800-947-2837

BITUMINOUS SETTING-BED MATERIALS

PRIMER FOR BASE: ASTM D 2028/D 2028M, CUTBACK ASPHALT, GRADE AS RECOMMENDED BY UNIT PAVER MANUFACTURER.

FINE AGGREGATE FOR SETTING BED: ASTM D 1073, NO. 2 OR NO. 3

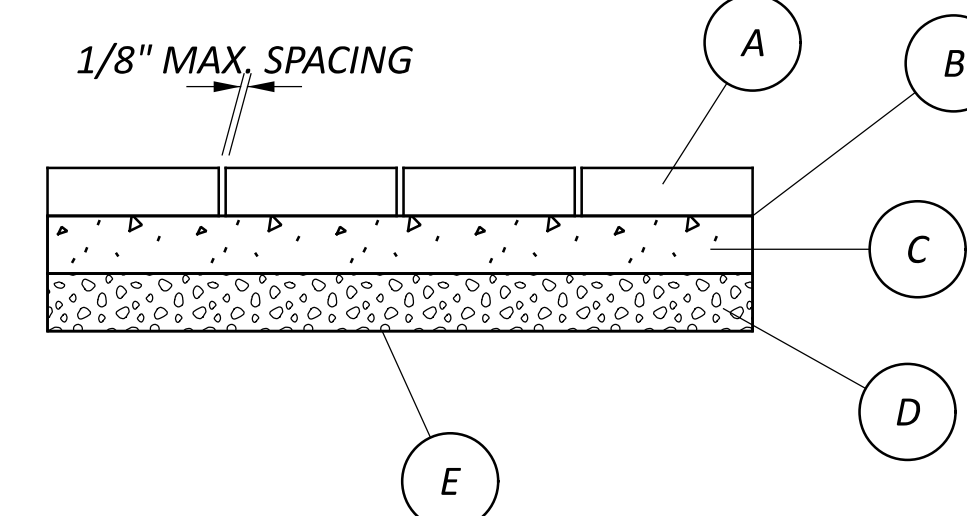
ASPHALT CEMENT: ASTM D 3381/D 3381M, VISCOSITY GRADE AC-10 OR GRADE AC-20

NEOPRENE MODIFIED ASPHALT ADHESIVE: PAVING MANUFACTURER'S STANDARD ADHESIVE CONSISTING OF OXIDIZED ASPHALT COMBINED WITH 2 PERCENT NEOPRENE AND 10 PERCENT LONG-FIBERED MINERAL FIBERS CONTAINING NO ASBESTOS

SAND FOR JOINTS: POLYMERIC SAND: FINE, SHARP, WASHED, NATURAL SAND OR CRUSHED STONE WITH 100 PERCENT PASSING NO. 16 SIEVE ADN NO MORE THAN 10 PERCENT PASSING NO. 200 SIEVE, MIXED WITH POLYMERS FOR PAVEMENT JOINT STABILIZATION.

1. PROVIDE SAND OF COLOR NEEDED TO PRODUCE REQUIRED JOINT COLOR.

MIX BITUNIMOUS SETTING-BED MATERIALS AT AN ASPHALT PLANT IN APPROXIMATE PROPORTION, BY WEIGHT, OF 7 PERCENT ASPHALT CEMENT TO 93 PERCENT FINE AGGREGATE UNLESS OTHERWISE INDICATED. HEAT MIXTURE TO 300 DEGREES F.



NOTES:

- (A) PAVERS
- (B) 3/4" BITUMINOUS SETTING-BED
- (C) 4" ITEM 452 - NON-REINFORCED CONCRETE
- (D) 4" ITEM 304 - AGGREGATE BASE
- (E) COMPACTED SUBGRADE PER 204.03

ITEM 611 - SPECIAL - TRENCH DRAIN

FURNISH AND CONSTRUCT A TRENCH DRAIN SYSTEM, TO CONVEY STORM WATER THROUGH PROPOSED CURB BUMP OUTS SHOWN ON SHEETS 24 AND 25. THE TRENCH DRAIN SYSTEM SHALL BE A NEENAH FOUNDRY 4990-FX, WITH RIVERWALK GRATE, OR APPROVED EQUAL. ALL LABOR AND MATERIALS NEEDED TO CONSTRUCT THE TRENCH DRAINS IDENTIFIED IN THE PLANS SHALL BE INCLUDED IN THE CONTRACT UNIT BID PRICE FOR ITEM 611 - SPECIAL - TRENCH DRAIN.

ITEM 661 - SPECIAL - LANDSCAPING

LANDSCAPE ARCHITECTURE AND AESTHETICS PLANS ARE SHOWN ON SHEETS 43 TO 47. ALL LABOR AND MATERIALS TO PERFORM THE WORK OUTLINED IN THESE PLANS SHALL BE INCLUDED IN THE CONTRACT UNIT BID PRICE FOR THIS ITEM.

WORK SHOWN ON SHEET 44 SHALL BE BID SEPARATE AND INCLUDED WITH THE ALTERNATE BID QUANTITIES SHOWN ON SHEET 9.

AN ITEMIZED LIST OF PLANTS, SHRUBS, BOULDERS, BIKE RACKS AND OTHER MISCENALLEOUS ITEMS, CAN BE FOUND ON SHEETS 43 AND 44. THESE ITEMS SHOULD ALL BE INLCUDED IN THE CONTRACT UNIT BID PRICE FOR ITEM 661 - SPECIAL - LANDSCAPING.

ALTERNATE BID - WALNUT AND MAIN STREET CURB BUMP OUT

THE CURB BUMP OUT WORK SHOWN ON SHEET 25, AT THE WALNUT AND MAIN STREET INTERSECTION, SHALL BE INCLUDED IN THE PROJECT BID PACKAGE AS AN ALTERNATE BID. THE CITY OF BELLBROOK RESERVES THE RIGHT TO AWARD THE PROJECT AND REJECT THE ALTERNATE BID FOR THIS WORK.

IN THE EVENT THE ALTERNATE BID IS NOT AWARDED, RESURFACING AND PLACEMENT OF PAVEMENT MARKINGS SHALL REMAIN A PART OF THE MAIN PROJECT, TO THE LIMITS SHOWN ON THE PLANS.

DESIGN AGENCY



DESIGNER

ASN

REVIEWER

BMG 07/19/23

PROJECT ID

125940

SHEET

5

TOTAL

47

ITEM 614, MAINTAINING TRAFFIC (AT ALL TIMES)

A MINIMUM OF 1 LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES BY USE OF THE EXISTING PAVEMENT. TRAFFIC SHALL BE MAINTAINED AT ALL INTERSECTIONS AND DRIVES AT ALL TIMES.

SEQUENCE OF CONSTRUCTION

PHASE 1A

USING ODOT SCD MT-95.61 (ADJUSTED FOR SINGLE LANE, 25-MPH SHIFT), MAINTAIN TWO-WAY TRAFFIC AND SHIFT EB AND WB TRAFFIC TO THE NORTH SIDE OF FRANKLIN STREET. MAINTAIN A 1' MINIMUM SHOULDER BETWEEN EXISTING CURBS AND PROPOSED DRUMS AND 10' LANES IN BOTH DIRECTIONS.

CONSTRUCT CURB BUMP OUT ON SOUTH SIDE OF FRANKLIN STREET, INCLUDING SIDEWALK, CURB RAMP AND ENHANCED CROSSWALK, UP TO WITHIN 1' OF PROPOSED DRUMS.

AFTER BUMP OUT HAS BEEN CONSTRUCTED, CLOSE CROSSWALK AND CURB RAMP UNTIL PHASE 1B HAS BEEN COMPLETED.

PHASE 1B

USING ODOT SCD MT-95.61 (ADJUSTED FOR SINGLE LANE, 25-MPH SHIFT), MAINTAIN TWO-WAY TRAFFIC AND SHIFT EB AND WB TRAFFIC TO THE SOUTH SIDE OF FRANKLIN STREET. MAINTAIN A 1' MINIMUM SHOULDER BETWEEN PROPOSED CURBS AND PROPOSED DRUMS AND 10' LANES IN BOTH DIRECTIONS.

CONSTRUCT CURB BUMP OUT ON NORTH SIDE OF FRANKLIN STREET, INCLUDING SIDEWALK, CURB RAMP AND REMAINING ENHANCED CROSSWALK.

OPEN CROSSWALK AND CURB RAMP PREVIOUSLY CLOSED IN PHASE 1A.

USING ODOT SCD MT-95.61, MILL 1½" SURFACE COURSE OFF FOR THE ENTIRETY OF THE RESURFACING AREA, AS SHOWN ON THE PLANS. PLACE WORK ZONE PAVEMENT MARKINGS FOR LONG LINE MARKINGS (INCLUDING STOP BARS) FOR USE WHILE PAVEMENT

PHASE 2A

USING ODOT SCD MT-97.11, MILL 1½" SURFACE COURSE FOR THE ENTIRETY OF THE RESURFACING AREA ON FRANKLIN STREET, AS SHOWN ON THE PLANS. PLACE WORK ZONE PAVEMENT MARKINGS FOR LONG LINE MARKINGS (INCLUDING STOP BARS) FOR USE WHILE PAVEMENT IS MILLED OFF.

PLACE 1½" SURFACE COURSE OVER RESURFACING AREA ON FRANKLIN STREET. REPLACE LONG LINE PAVEMENT MARKINGS WITH WORK ZONE PAVEMENT MARKINGS, PRIOR TO PERMANENT PAVEMENT MARKING PLACEMENT.

PHASE 2B

USING ODOT SCD MT-97.11, MILL 1½" SURFACE COURSE FOR THE ENTIRETY OF THE RESURFACING AREA ON MAIN STREET, AS SHOWN ON THE PLANS. PLACE WORK ZONE PAVEMENT MARKINGS FOR LONG LINE MARKINGS (INCLUDING STOP BARS) FOR USE WHILE PAVEMENT IS MILLED OFF.

PLACE 1½" SURFACE COURSE OVER RESURFACING AREA ON FRANKLIN STREET. REPLACE LONG LINE PAVEMENT MARKINGS WITH WORK ZONE PAVEMENT MARKINGS, PRIOR TO PERMANENT PAVEMENT MARKING PLACEMENT.

PHASE 3

PLACE REMAINING PERMANENT PAVEMENT MARKINGS AND PROPOSED SIGNAGE ALONG BOTH FRANKLIN STREET AND MAIN STREET. MAINTAIN TRAFFIC USING ODOT SCD MT-97.11 AND MT-99.20.

SEQUENCE OF CONSTRUCTION CONT.

WALNUT AND MAIN STREET

IN THE EVENT THE WALNUT AND MAIN STREET BUMP-OUT ALTERNATE IS AWARDED, CONSTRUCT BOTH THE EAST AND WEST SIDE BUMP-OUTS IN A SIMILAR MANNER TO THE BUMP-OUT LOCATIONS ALONG FRANKLIN STREET. THESE BUMP-OUTS SHOULD BE TREATED AS PHASES 1C AND 1D, IF AWARDED.

MAINTENANCE OF TRAFFIC COORDINATION

THE MAINTENANCE OF TRAFFIC SCHEME DEVELOPED FOR THIS PROJECT ASSUMES THE ADJACENT BRIDGE PROJECT, ODOT PID 110612, IS COMPLETED.

IF ODOT PID 110612 IS IN CONSTRUCTION PHASE 1 OR 2, AT THE TIME THIS PROJECT BEGINS, COORDINATION WITH ODOT DISTRICT 8 AND THE CONTRACTOR FOR PID 110612 IS NEEDED TO DETERMINE AN UPDATED MAINTENANCE OF TRAFFIC SCHEME.

IF ODOT PID 110612 IS IN CONSTRUCTION PHASE 1 OR 2 AND THE ALTERNATE BID FOR THIS PROJECT IS AWARDED, PHASE 1C AND 1D ARE TO BE COMPLETED PRIOR TO PHASE 1A AND 1B.

IF ODOT PID 110612 IS IN CONSTRUCTION PHASE 3, PHASE 1B AND PHASE 1A OF THIS PROJECT SHALL BE FLIPPED, TO BETTER COORDINATE WITH ODOT PID 110612.

NOTIFICATION OF TRAFFIC RESTRICTIONS

THROUGHOUT THE DURATION OF THE PROJECT, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IN WRITING OF ALL TRAFFIC RESTRICTIONS AND UPCOMING MAINTENANCE OF TRAFFIC CHANGES. THIS NOTIFICATION SHALL BE RECEIVED BY THE PROJECT ENGINEER PRIOR TO THE PHYSICAL SETUP OF ANY APPLICABLE SIGNS OR MESSAGE BOARDS.

INFORMATION SHOULD INCLUDE, BUT IS NOT LIMITED TO, ALL CONSTRUCTION ACTIVITIES THAT IMPACT OR INTERFERE WITH TRAFFIC AND SHALL LIST THE SPECIFIC LOCATION, TYPE OF WORK, ROAD STATUS, DATE AND TIME OF RESTRICTION, DURATION OF RESTRICTION, NUMBER OF LANES MAINTAINED, NUMBER OF LANES CLOSED, MINIMUM VERTICAL CLEARANCE, MINIMUM WIDTH OF DRIVABLE PAVEMENT, DETOUR ROUTES, IF APPLICABLE, AND ANY OTHER INFORMATION REQUESTED BY THE PROJECT ENGINEER.

NOTIFICATION OF TRAFFIC RESTRICTIONS TIME TABLE

ITEM	DURATION OF CLOSURE	NOTICE DUE TO CITY
LANE CLOSURES & RESTRICTIONS	>= 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	< 2 WEEKS	5 BUSINESS DAYS PRIOR TO CLOSURE
START OF CONSTRUCTION & TRAFFIC PATTERN CHANGES	N/A	14 CALENDAR DAYS PRIOR TO IMPLEMENTATION

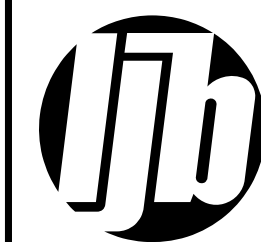
ANY UNFORESEEN CONDITIONS NOT SPECIFIED IN THE PLANS REQUIRING TRAFFIC RESTRICTIONS SHALL ALSO BE REPORTED TO THE PROJECT ENGINEER USING THE NOTIFICATION TIME TABLE.

WORK ZONE PAVEMENT MARKINGS

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AT LOCATIONS IDENTIFIED BY THE ENGINEER FOR WORK ZONE PAVEMENT MARKINGS PER THE REQUIREMENTS OF C&MS 614.04 AND 614.11. THE FOLLOWING PAVEMENT MARKING ITEMS ARE TO BE PLACED ON MILLED ASPHALT PAVEMENT, IMMEDIATELY FOLLOWING MILLING OPERATIONS. ADDITIONALLY, THESE PAVEMENT MARKINGS ARE TO BE AGAIN PLACED ON THE FINAL SURFACE COURSE, PRIOR TO FINAL, THERMOPLASTIC PAVEMENT MARKINGS BEING PLACED.

ITEM 614 WORK ZONE CENTERLINE, CLASS 1	2.46 MILE
ITEM 614 WORK ZONE EDGE LINE, CLASS 1, 6"	4.26 MILE
ITEM 614 WORK ZONE CHANNELIZING LINE, CLASS 1, 8"	778 FT
ITEM 614 WORK ZONE STOP LINE, CLASS 1,	214 FT

DESIGN AGENCY



DESIGNER

ASN

REVIEWER

BMG 07/19/23

PROJECT ID

125940

SHEET

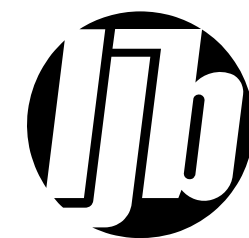
TOTAL

7 | 47

SHEET NUM.											PART.	ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
																ROADWAY	
												201	11000	LS		CLEARING AND GRUBBING	
												202	23000	228	SY	PAVEMENT REMOVED	
												202	30000	1,309	SF	WALK REMOVED	
												202	32000	204	FT	CURB REMOVED	
												203	10000	30	CY	EXCAVATION	
												203	20000	15	CY	EMBANKMENT	
												204	10000	63	SY	SUBGRADE COMPACTION	
												608	10000	2,018	SF	4" CONCRETE WALK	5
												608	52000	461	SF	CURB RAMP	
												608	53020	61	SF	DETECTABLE WARNING	
												608	53021	127	SF	DETECTABLE WARNING, AS PER PLAN	5
												608	98000	967	SF	WALKWAY, MISC.; SIDEWALK PAVERS	5
																EROSION CONTROL	
												832	15000	LS		STORM WATER POLLUTION PREVENTION PLAN	
												832	30000	10,000	EACH	EROSION CONTROL	
																DRAINAGE	
												SPECIAL	61199830	146	FT	TRENCH DRAIN	5
																PAVEMENT	
												253	01001	400	SY	PAVEMENT REPAIR, AS PER PLAN	5
												254	01000	24,063	SY	PAVEMENT PLANING, ASPHALT CONCRETE T = 1.5"	
												301	56000	11	CY	ASPHALT CONCRETE BASE, PG64-22, (449)	
												304	20000	14	CY	AGGREGATE BASE	
												407	20000	2,054	GAL	NON-TRACKING TACK COAT	
												441	70000	1,006	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22	
												441	70300	5	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)	
												441	91000	29	SY	ASPHALT CONCRETE, MISC.:TRAFFICPATTERNSXD STAMPED CROSSWALK DIAGONAL HERRINGBONE PATTERN (12-101), COLONIAL BRICK	6
												609	26000	209	FT	CURB, TYPE 6	
																TRAFFIC CONTROL	
												630	03100	21	FT	GROUND MOUNTED SUPPORT, NO. 3 POST	
												630	08600	3	EACH	SIGN POST REFLECTOR	
												630	80100	58	SF	SIGN, FLAT SHEET	
												630	84900	2	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	
												630	85100	1	EACH	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION	
												644	00104	2.13	MILE	EDGE LINE, 6"	
												644	00300	1.23	MILE	CENTER LINE	
												644	00400	389	FT	CHANNELIZING LINE, 8"	
												644	00500	128	FT	STOP LINE	
												644	00620	924	FT	CROSSWALK LINE, 12"	
												644	00630	70	FT	CROSSWALK LINE, 24"	
												644	00700	426	FT	TRANSVERSE/DIAGONAL LINE, WHITE	
												644	00700	216	FT	TRANSVERSE/DIAGONAL LINE, YELLOW	
												644	01200	1,014	FT	PARKING LOT STALL MARKING	
												644	01300	10	EACH	LANE ARROW	
												644	01400	1	EACH	WORD ON PAVEMENT, 72"	
																TRAFFIC SIGNALS	
												625	32000	2	EACH	GROUND ROD	
												630	97700	2	EACH	SIGNING, MISC.:SOLAR-POWERED RECTANGULAR RAPID FLASHING BEACON (RRFB) SIGN ASSEMBLY	28
												632	26000	2	EACH	PEDESTRIAN PUSHBUTTON	
												632	64020	2	EACH	PEDESTAL FOUNDATION	
																LANDSCAPING	
												SPECIAL	66199000	LS		LANDSCAPING (SEE SHEET 43 FOR ITEMIZED QUANTITIES)	5
																MAINTENANCE OF TRAFFIC	
												614	21000	2.46	MILE	WORK ZONE CENTER LINE, CLASS I	
												614	22010	4.26	MILE	WORK ZONE EDGE LINE, CLASS I, 6"	
												614	23000	778	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 8"	
												614	26000	214	FT	WORK ZONE STOP LINE, CLASS I	
																INCIDENTALS	
												614	11000	LS		MAINTAINING TRAFFIC	
												623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
												624	10000	LS		MOBILIZATION	

GENERAL SUMMARY

DESIGN AGENCY



DESIGNER
ASN

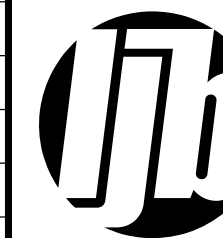
REVIEWER
BMG 08/08/23

PROJECT ID
125940

SHEET | TOTAL
8 | 47

SHEET NUM.												PART.	ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
																	ROADWAY	
													201	11000	LS		CLEARING AND GRUBBING	
													202	23000	213	SY	PAVEMENT REMOVED	
													202	30000	342	SF	WALK REMOVED	
													202	32000	91	FT	CURB REMOVED	
													202	35100	30	FT	PIPE REMOVED, 24" AND UNDER	
													202	58100	1	EACH	CATCH BASIN REMOVED	
													203	10000	15	CY	EXCAVATION	
													203	20000	5	CY	EMBANKMENT	
													204	10000	63	SY	SUBGRADE COMPACTION	
													608	10000	401	SF	4" CONCRETE WALK	
													608	52000	394	SF	CURB RAMP	
													608	98000	1,025	SF	WALKWAY, MISC.; SIDEWALK PAVERS	5
																	EROSION CONTROL	
													832	15000	LS		STORM WATER POLLUTION PREVENTION PLAN	
													832	30000	10,000	EACH	EROSION CONTROL	
																	DRAINAGE	
													611	01100	20	FT	6" CONDUIT, TYPE C	
													611	04400	6	FT	12" CONDUIT, TYPE B	
													611	98150	1	EACH	CATCH BASIN, NO. 3	
																	PAVEMENT	
													301	56000	11	CY	ASPHALT CONCRETE BASE, PG64-22, (449)	
													304	20000	14	CY	AGGREGATE BASE	
													407	20000	9	GAL	NON-TRACKING TACK COAT	
													441	70000	3	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22	
													441	70300	5	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)	
													441	91000	23	SY	ASPHALT CONCRETE, MISC.:TRAFFICPATTERNSXD STAMPED CROSSWALK DIAGONAL HERRINGBONE PATTERN (12-101), COLONIAL BRICK	6
													609	26000	278	FT	CURB, TYPE 6	
																	WATER WORK	
													638	10800	3	EACH	VALVE BOX ADJUSTED TO GRADE	
													638	10900	1	EACH	SERVICE BOX ADJUSTED TO GRADE	
																	TRAFFIC CONTROL	
													630	85100	4	EACH	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION	
																	TRAFFIC SIGNALS	
													625	32000	2	EACH	GROUND ROD	
													630	97700	2	EACH	SIGNING, MISC.:SOLAR-POWERED RECTANGULAR RAPID FLASHING BEACON (RRFB) SIGN ASSEMBLY	28
													632	26000	2	EACH	PEDESTRIAN PUSHBUTTON	
													632	64020	2	EACH	PEDESTAL FOUNDATION	
																	LANDSCAPING	
													SPECIAL	66199000	LS		LANDSCAPING (SEE SHEET 44 FOR ITEMIZED QUANTITIES)	5

DESIGN AGENCY



DESIGNER

ASN

REVIEWER

BMG 08/08/23

PROJECT ID

125940

SHEET

9



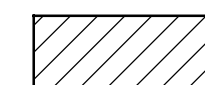


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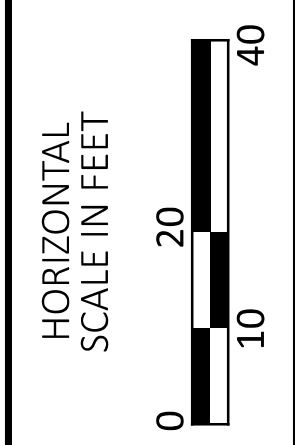
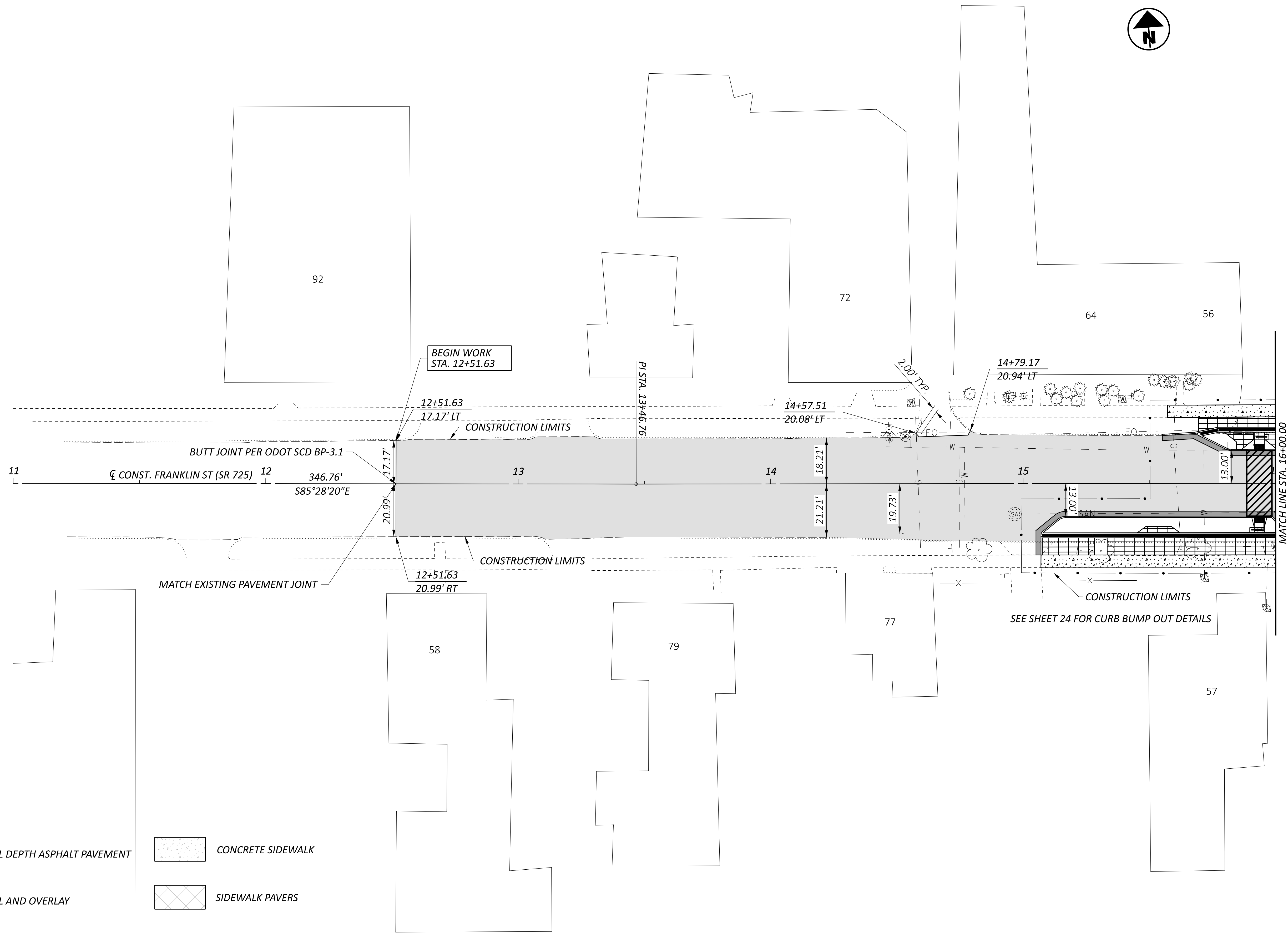
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FRANKLIN AND MAIN STREET IMPROVEMENTS

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LEGEND

-  FULL DEPTH ASPHALT PAVEMENT
-  MILL AND OVERLAY
-  TRAFFIC PATTERNS XD STAMPED CROSSWALK
-  CONCRETE SIDEWALK
-  SIDEWALK PAVERS



**PLAN - FRANKLIN STREET
 STA. 12+51.63 TO STA. 16+00.00**

DESIGN AGENCY



DESIGNER
AA

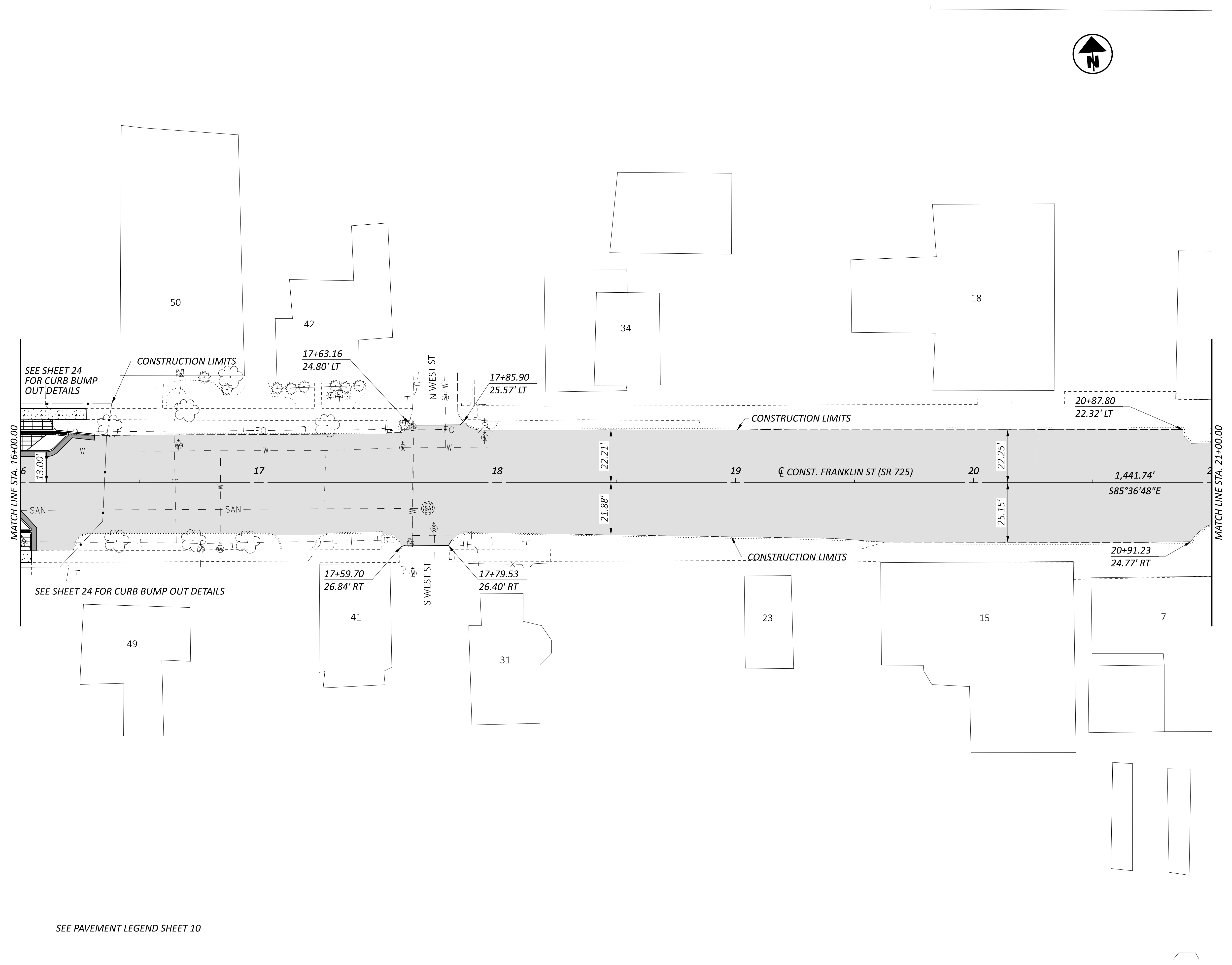
REVIEWER
BMG 07/19/23

PROJECT ID
125940

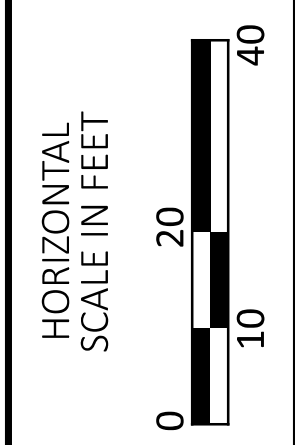
SHEET	TOTAL
10	47

FRANKLIN AND MAIN STREET IMPROVEMENTS

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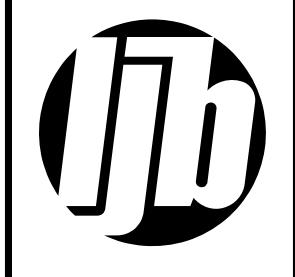


SEE PAVEMENT LEGEND SHEET 10



**PLAN - FRANKLIN STREET
 STA. 16+00.00 TO STA. 21+00.00**

DESIGN AGENCY



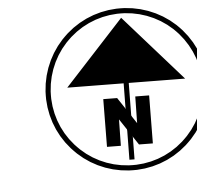
DESIGNER	AA
REVIEWER	BMG 07/19/23
PROJECT ID	125940
SHEET	TOTAL
11	47

FRANKLIN AND MAIN STREET IMPROVEMENTS

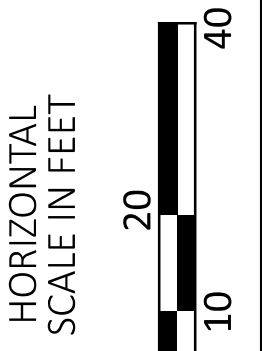
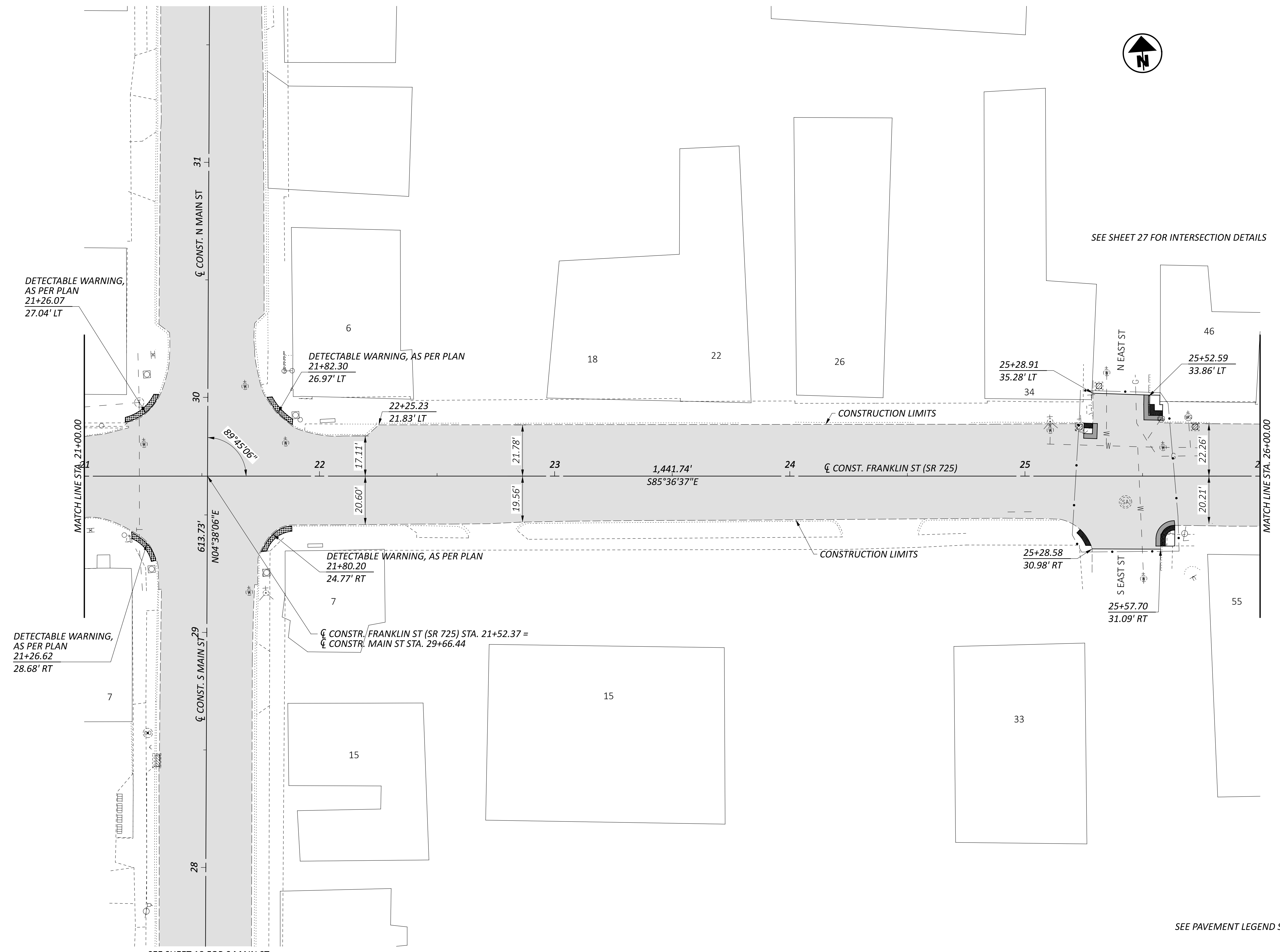
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SEE SHEET 19 FOR N MAIN ST

SEE SHEET 18 FOR S MAIN ST



SEE SHEET 27 FOR INTERSECTION DETAILS



**PLAN - FRANKLIN STREET
 STA. 21+00.00 TO STA. 26+00.00**

SEE PAVEMENT LEGEND SHEET 10

DESIGN AGENCY

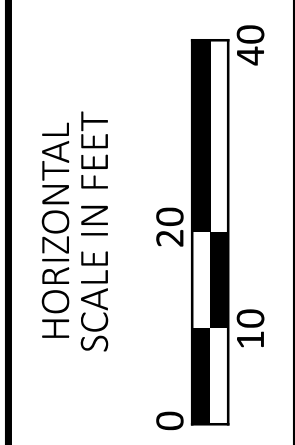
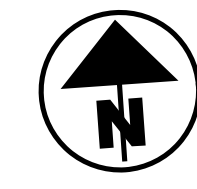
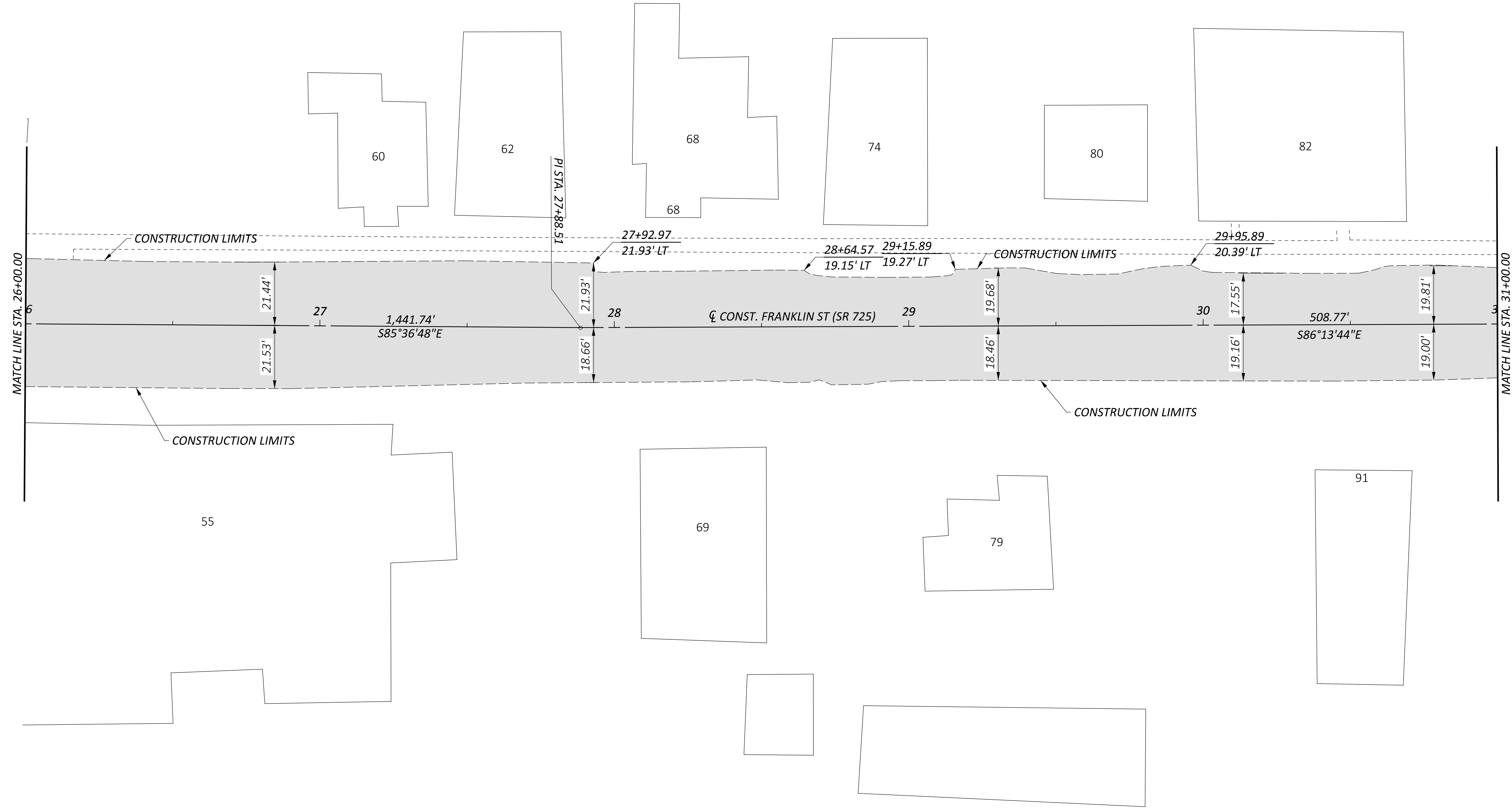


DESIGNER	AA
REVIEWER	BMG 07/19/23
PROJECT ID	125940
SHEET	TOTAL
12	47

FRANKLIN AND MAIN STREET IMPROVEMENTS

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SEE PAVEMENT LEGEND SHEET 10



**PLAN - FRANKLIN STREET
 STA. 26+00.00 TO STA. 31+00.00**

DESIGN AGENCY

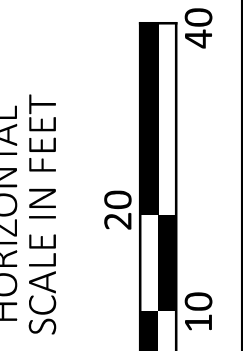
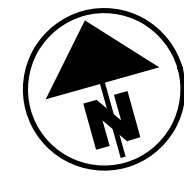
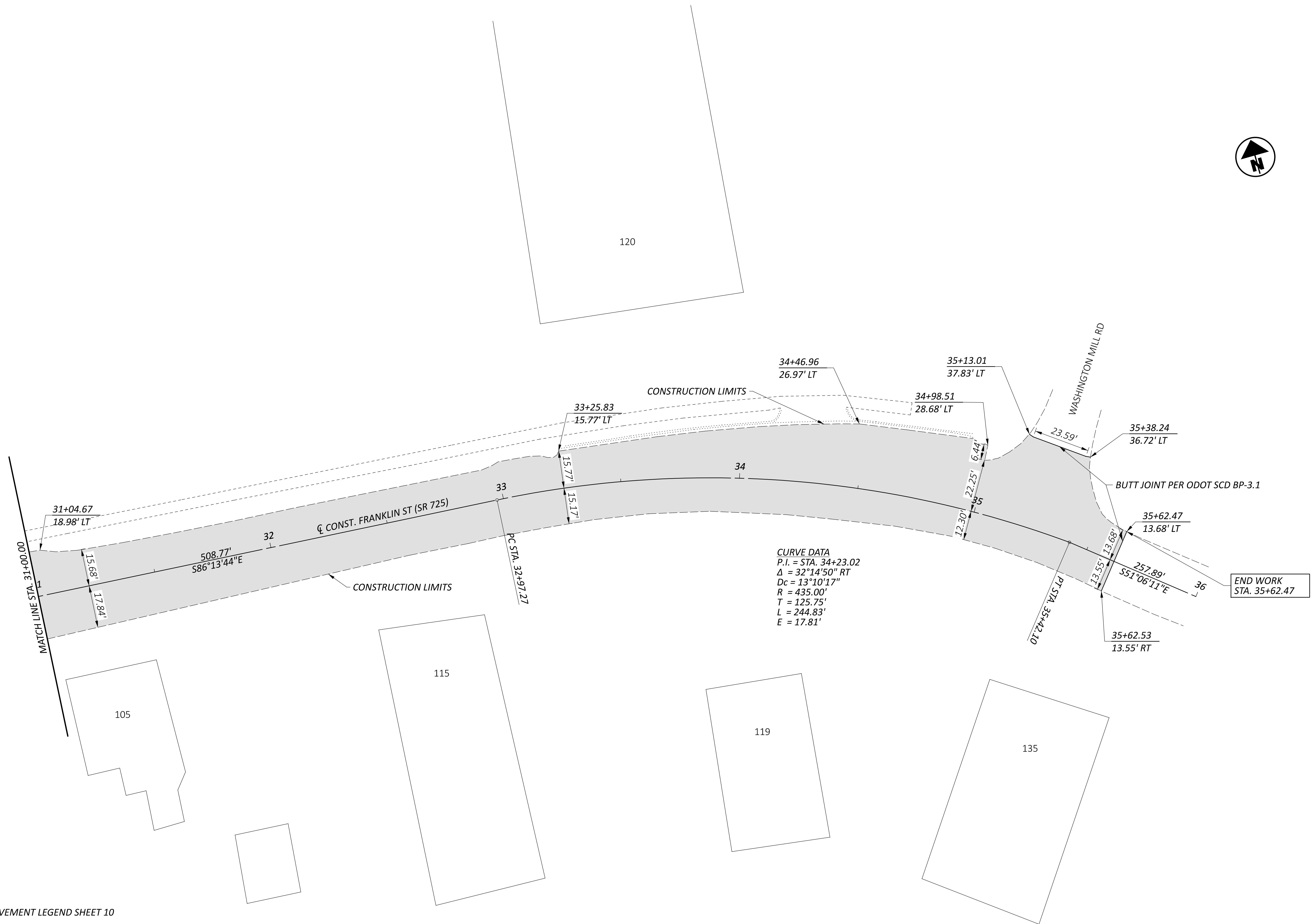


DESIGNER	AA
REVIEWER	BMG 07/19/23
PROJECT ID	125940
SHEET	TOTAL
13	47

FRANKLIN AND MAIN STREET IMPROVEMENTS

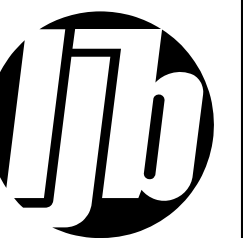
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SEE PAVEMENT LEGEND SHEET 10



PLAN - FRANKLIN STREET
STA. 31+00.00 TO STA. 35+62.53

DESIGN AGENCY



DESIGNER
AA

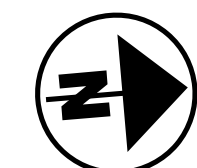
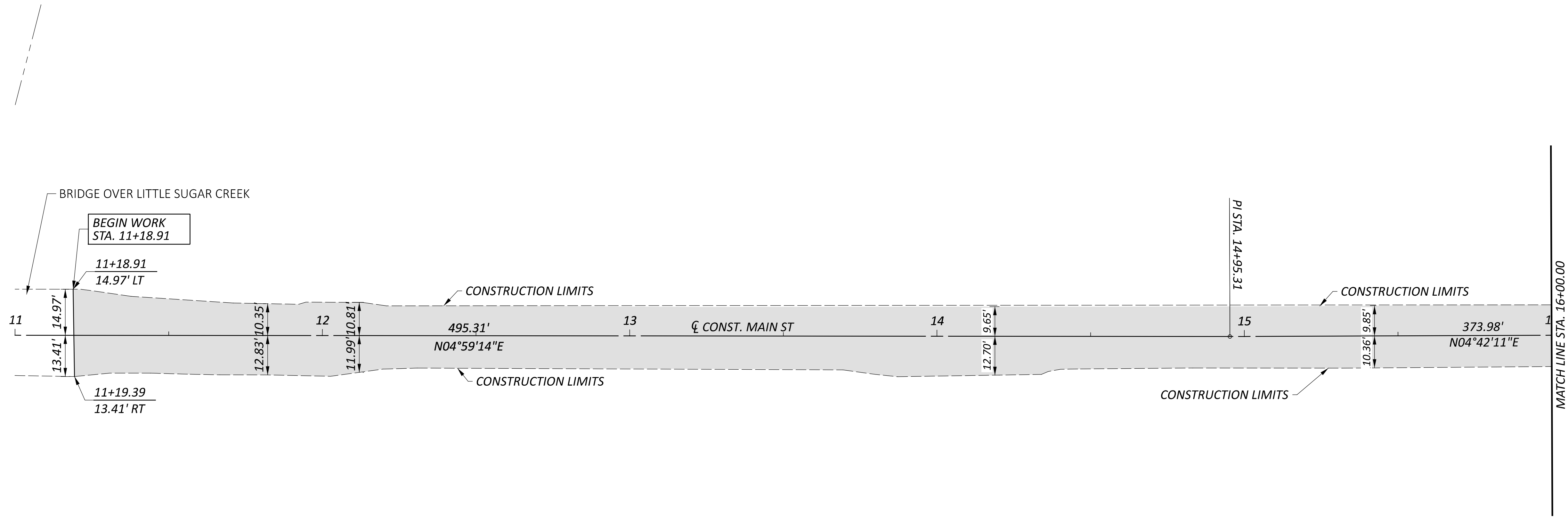
REVIEWER
BMG 07/19/23

PROJECT ID
125940

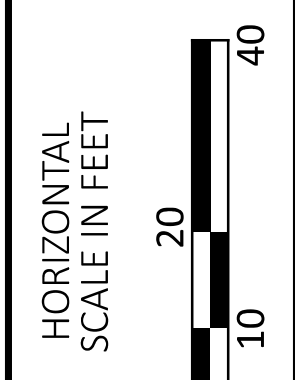
SHEET	TOTAL
14	47

FRANKLIN AND MAIN STREET IMPROVEMENTS

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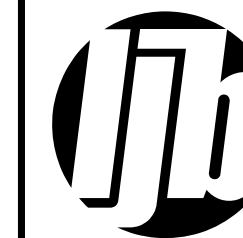


SEE PAVEMENT LEGEND SHEET 10



**PLAN - MAIN STREET
 STA. 11+18.91 TO STA. 16+00.00**

DESIGN AGENCY



DESIGNER
AA

REVIEWER
BMG 07/19/23

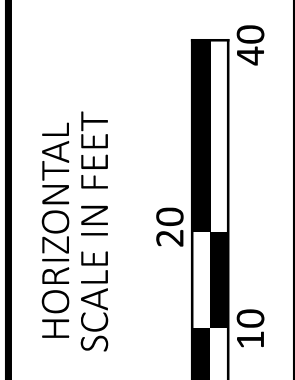
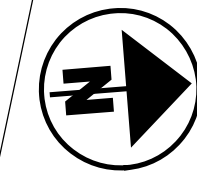
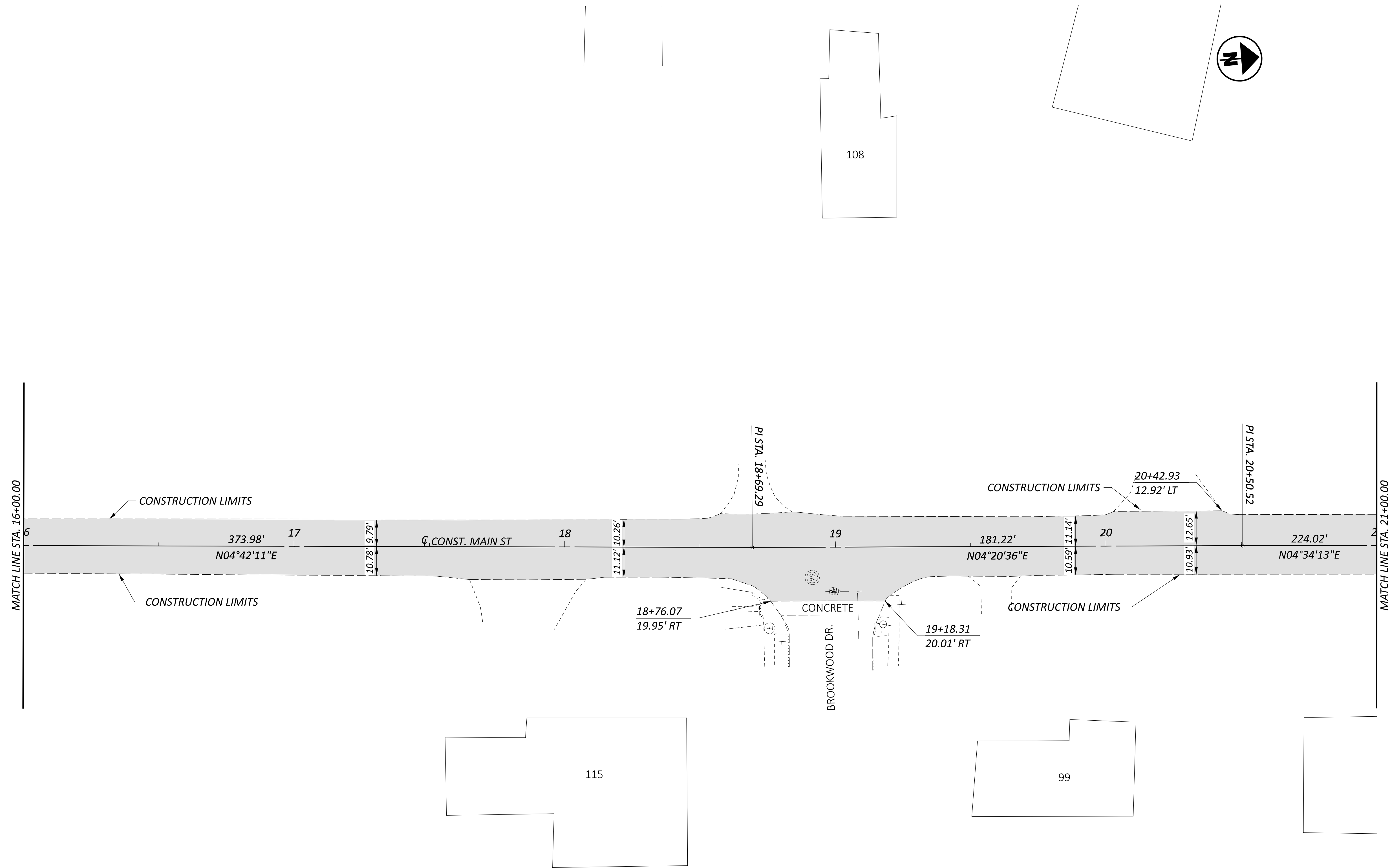
PROJECT ID
125940

SHEET	TOTAL
15	47

FRANKLIN AND MAIN STREET IMPROVEMENTS

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SEE PAVEMENT LEGEND SHEET 10



PLAN - MAIN STREET
STA. 16+00.00 TO STA. 21+00.00

DESIGN AGENCY



DESIGNER
AA

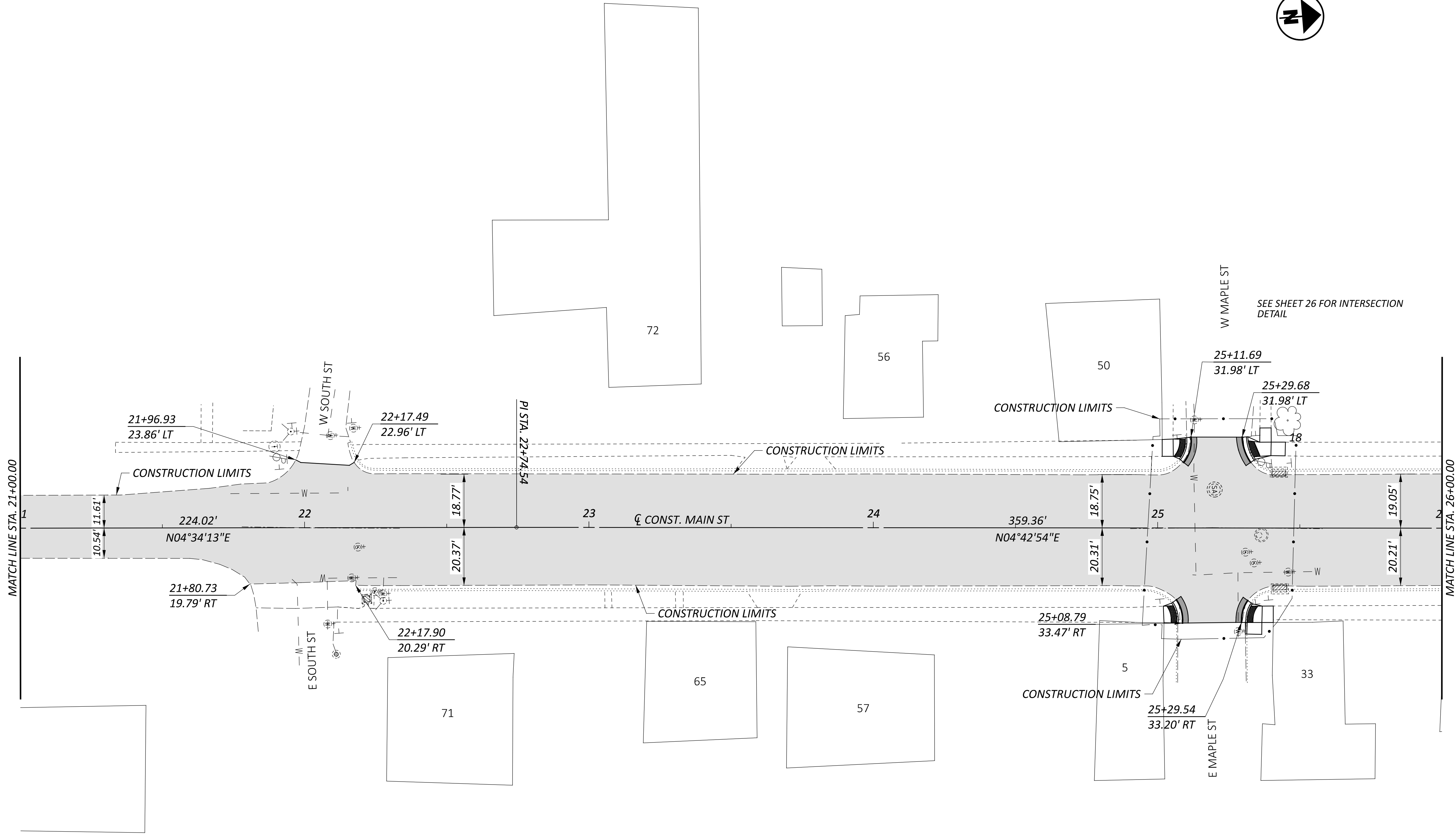
REVIEWER
BMG 07/19/23

PROJECT ID
125940

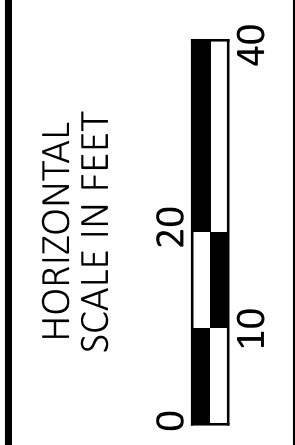
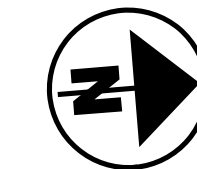
SHEET	TOTAL
16	47

FRANKLIN AND MAIN STREET IMPROVEMENTS

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SEE PAVEMENT LEGEND SHEET 10



PLAN - MAIN STREET
 STA. 21+00.00 TO STA. 26+00.00

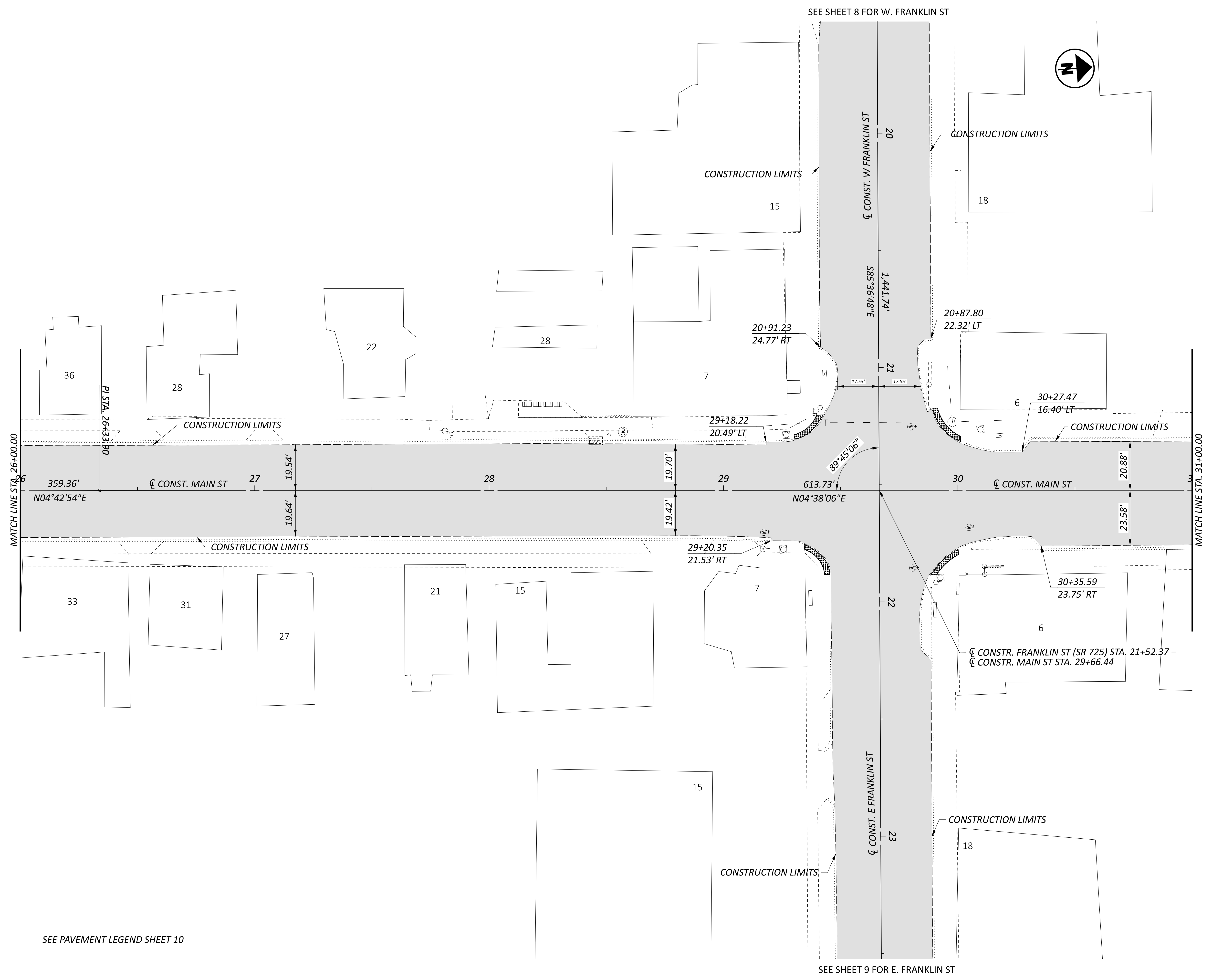
DESIGN AGENCY



DESIGNER	AA
REVIEWER	BMG 07/19/23
PROJECT ID	125940
SHEET	TOTAL
17	47

FRANKLIN AND MAIN STREET IMPROVEMENTS

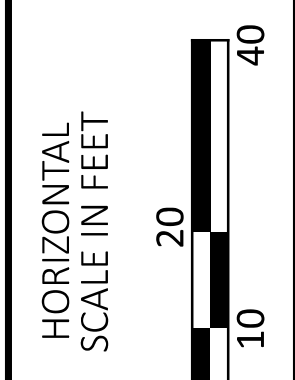
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SEE PAVEMENT LEGEND SHEET 10

SEE SHEET 8 FOR W. FRANKLIN ST

SEE SHEET 9 FOR E. FRANKLIN ST



PLAN - MAIN STREET
 STA. 26+00.00 TO STA. 31+00.00

DESIGN AGENCY



DESIGNER
 AA

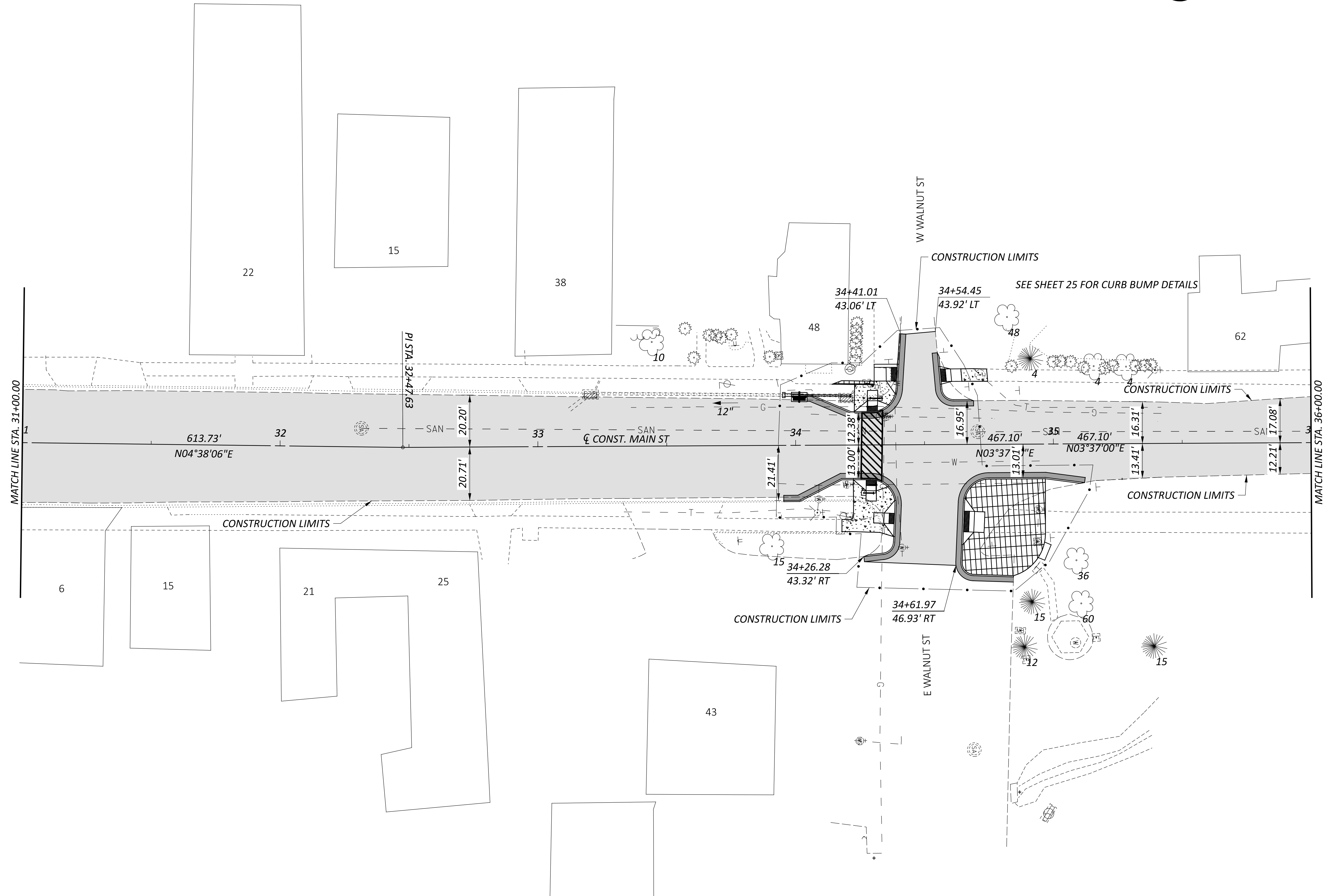
REVIEWER
 BMG 07/19/23

PROJECT ID
 125940

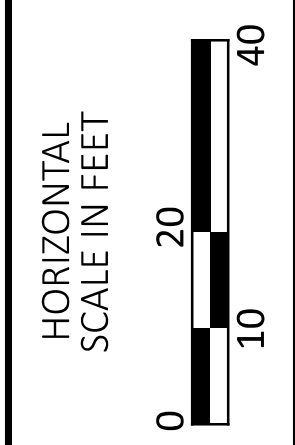
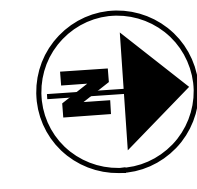
SHEET	TOTAL
18	47

FRANKLIN AND MAIN STREET IMPROVEMENTS

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 Q:\City of Bellbrook\0125940A.00 - Franklin & Main Resurfacing\125940\400-Engineering\Roadway\Sheets\125940_GP205.dgn



SEE PAVEMENT LEGEND SHEET 10



PLAN - MAIN STREET
STA. 31+00.00 TO STA. 36+00.00

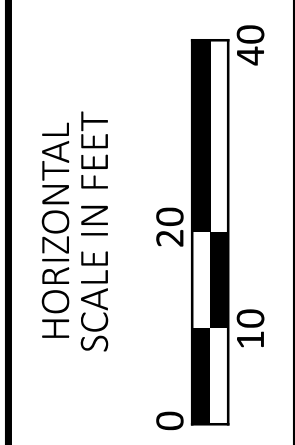
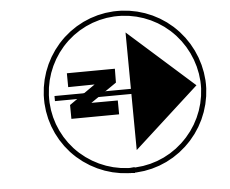
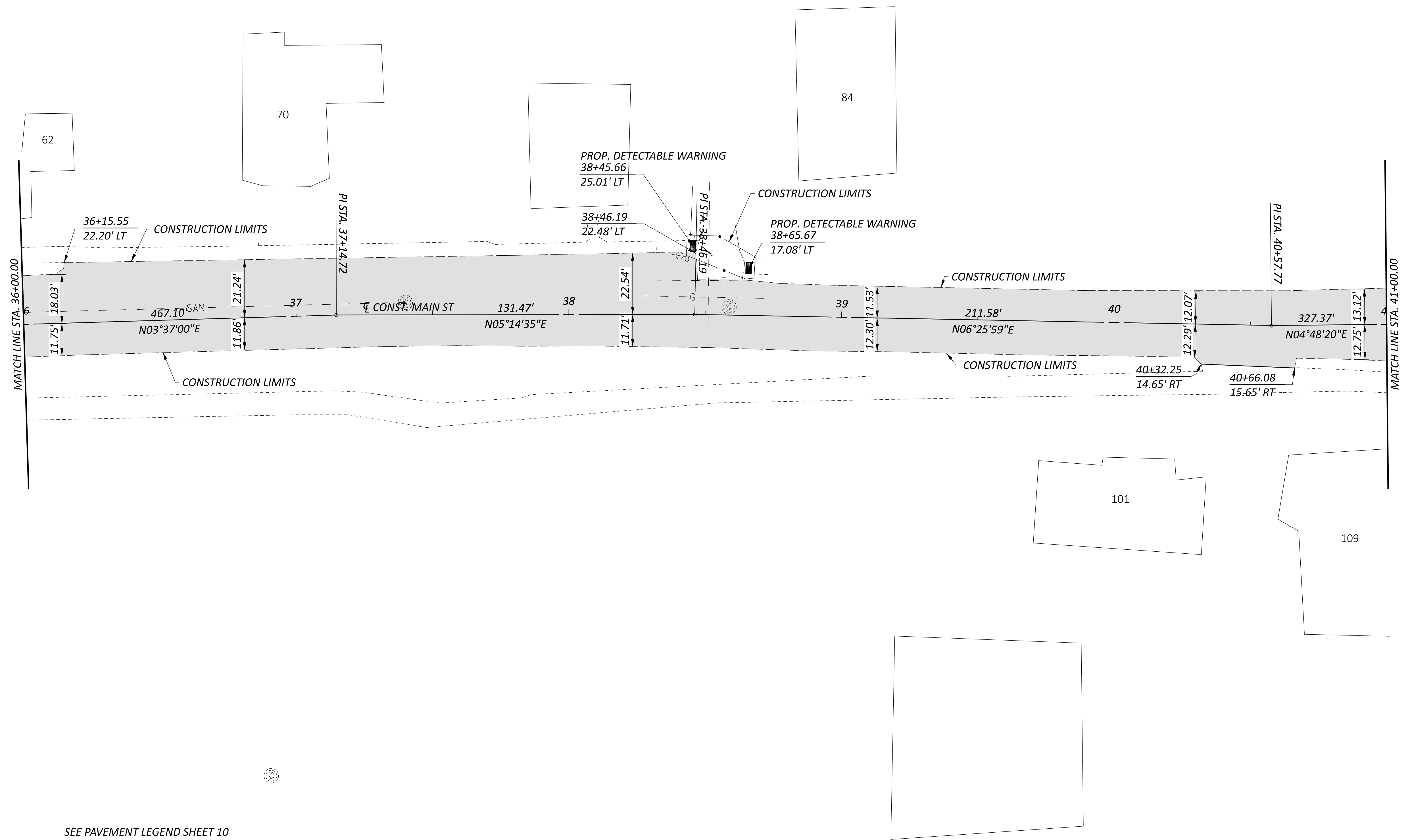
DESIGN AGENCY



DESIGNER	AA
REVIEWER	BMG
PROJECT ID	125940
SHEET	TOTAL
19	47

FRANKLIN AND MAIN STREET IMPROVEMENTS

MODEL: CLP - Franklin - GP_07 PAPER SIZE: 34x22 (in.) DATE: 8/11/2023 TIME: 2:33:09 PM USER: bgressel
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SEE PAVEMENT LEGEND SHEET 10

PLAN - MAIN STREET
STA. 36+00.00 TO STA. 41+00.00

DESIGN AGENCY



DESIGNER
AA

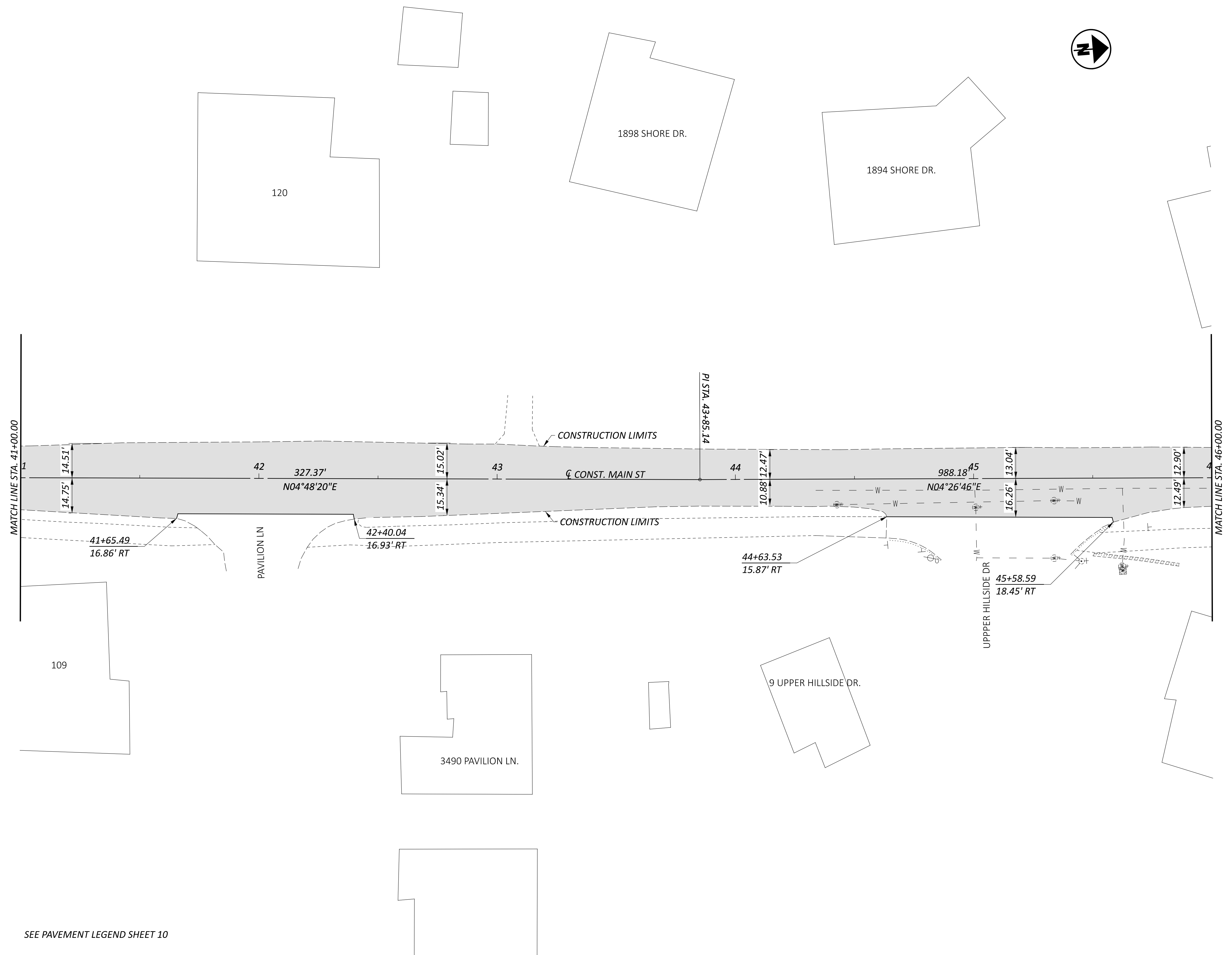
REVIEWER
BMG 07/19/23

PROJECT ID
125940

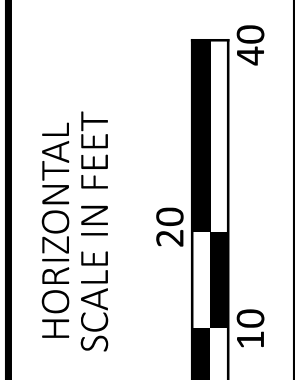
SHEET	TOTAL
20	47

FRANKLIN AND MAIN STREET IMPROVEMENTS

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SEE PAVEMENT LEGEND SHEET 10



PLAN - MAIN STREET
STA. 41+00.00 TO STA. 46+00.00

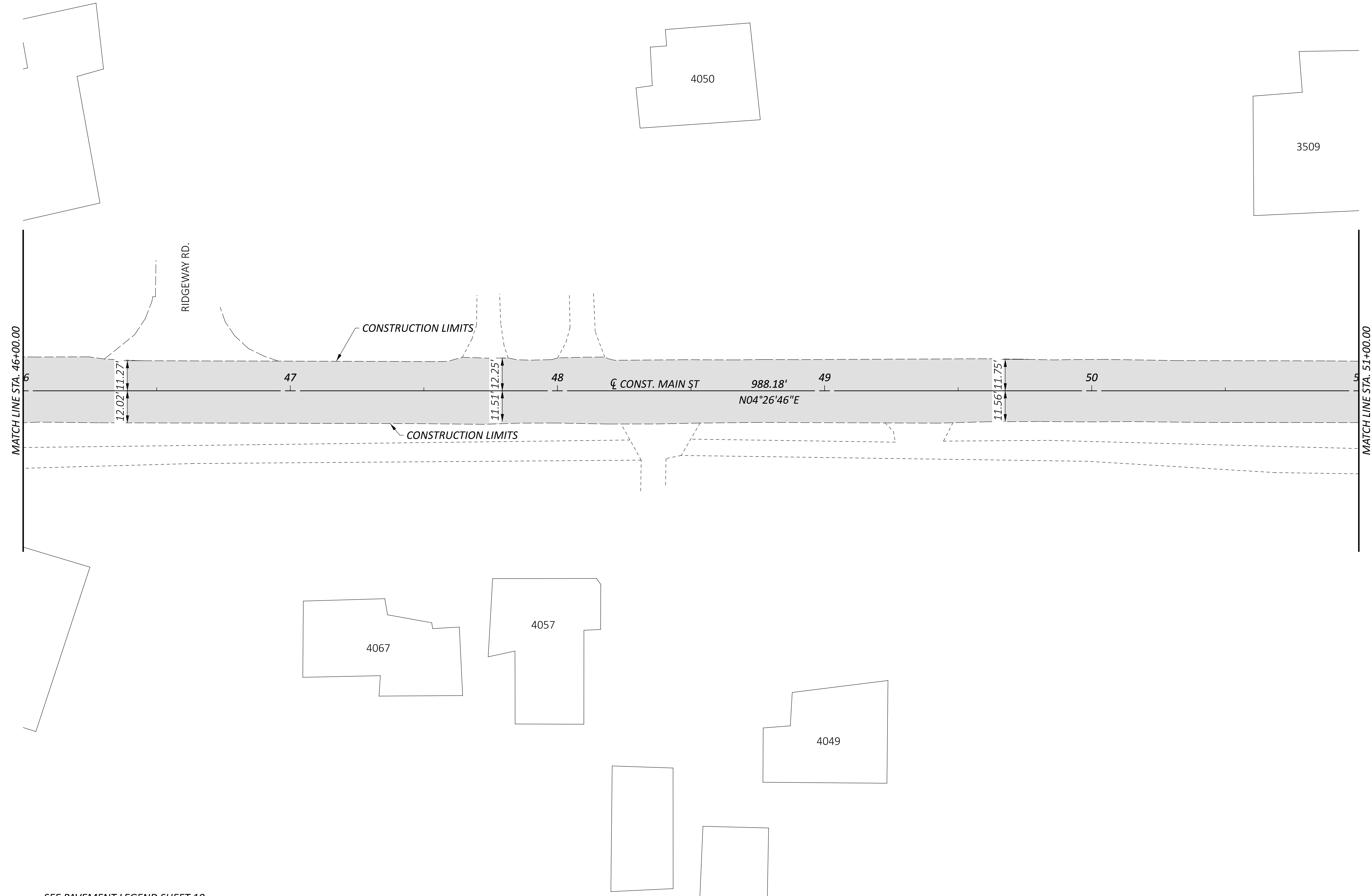
DESIGN AGENCY



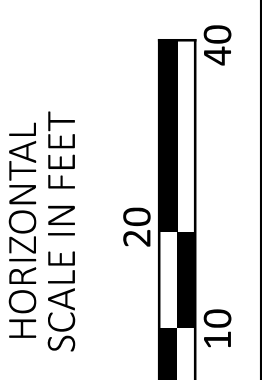
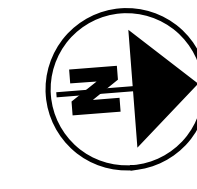
DESIGNER	AA
REVIEWER	BMG 07/19/23
PROJECT ID	125940
SHEET	TOTAL
21	47

FRANKLIN AND MAIN STREET IMPROVEMENTS

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 Q:\City of Bellbrook\0125940A.00 - Franklin & Main Resurfacing\125940\400-Engineering\Roadway\Sheets\125940_GP208.dgn



SEE PAVEMENT LEGEND SHEET 10



**PLAN - MAIN STREET
 STA. 46+00.00 TO STA. 51+00.00**

DESIGN AGENCY



DESIGNER
AA

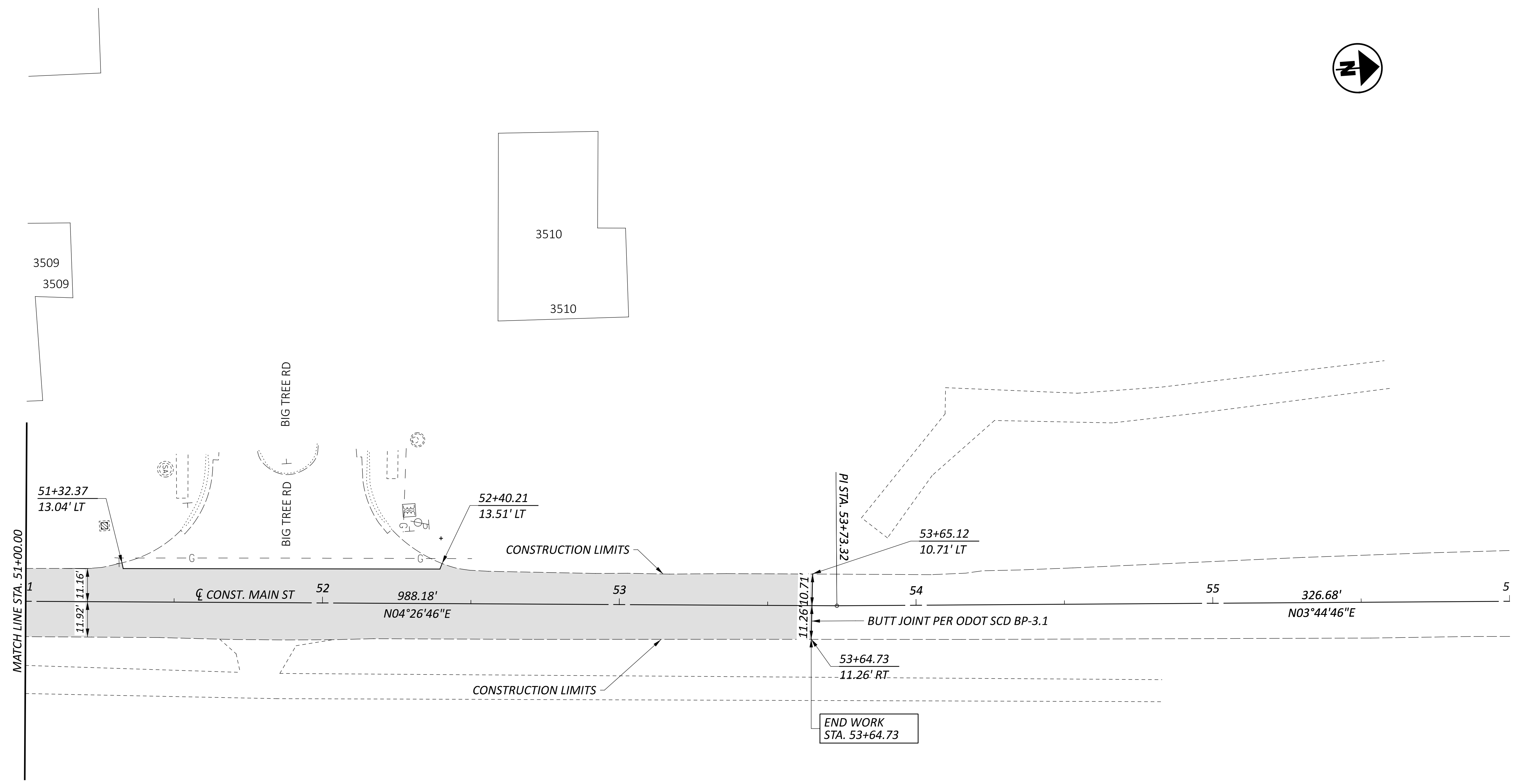
REVIEWER
BMG 07/19/23

PROJECT ID
125940

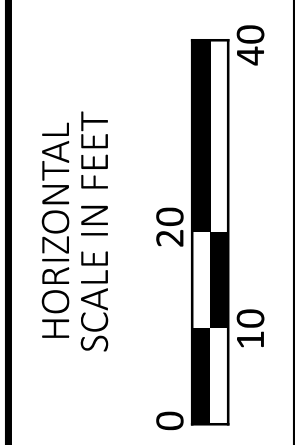
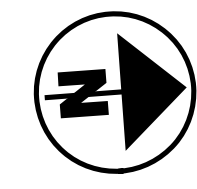
SHEET	TOTAL
22	47

FRANKLIN AND MAIN STREET IMPROVEMENTS

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 Q:\City of Bellbrook\0125940A.00 - Franklin & Main Resurfacing\125940\400-Engineering\Roadway\Sheets\125940_GP209.dgn



SEE PAVEMENT LEGEND SHEET 10



PLAN - MAIN STREET
STA. 51+00.00 TO STA. 53+65.12

DESIGN AGENCY



DESIGNER
AA

REVIEWER
BMG 07/19/23

PROJECT ID
125940

SHEET	TOTAL
23	47

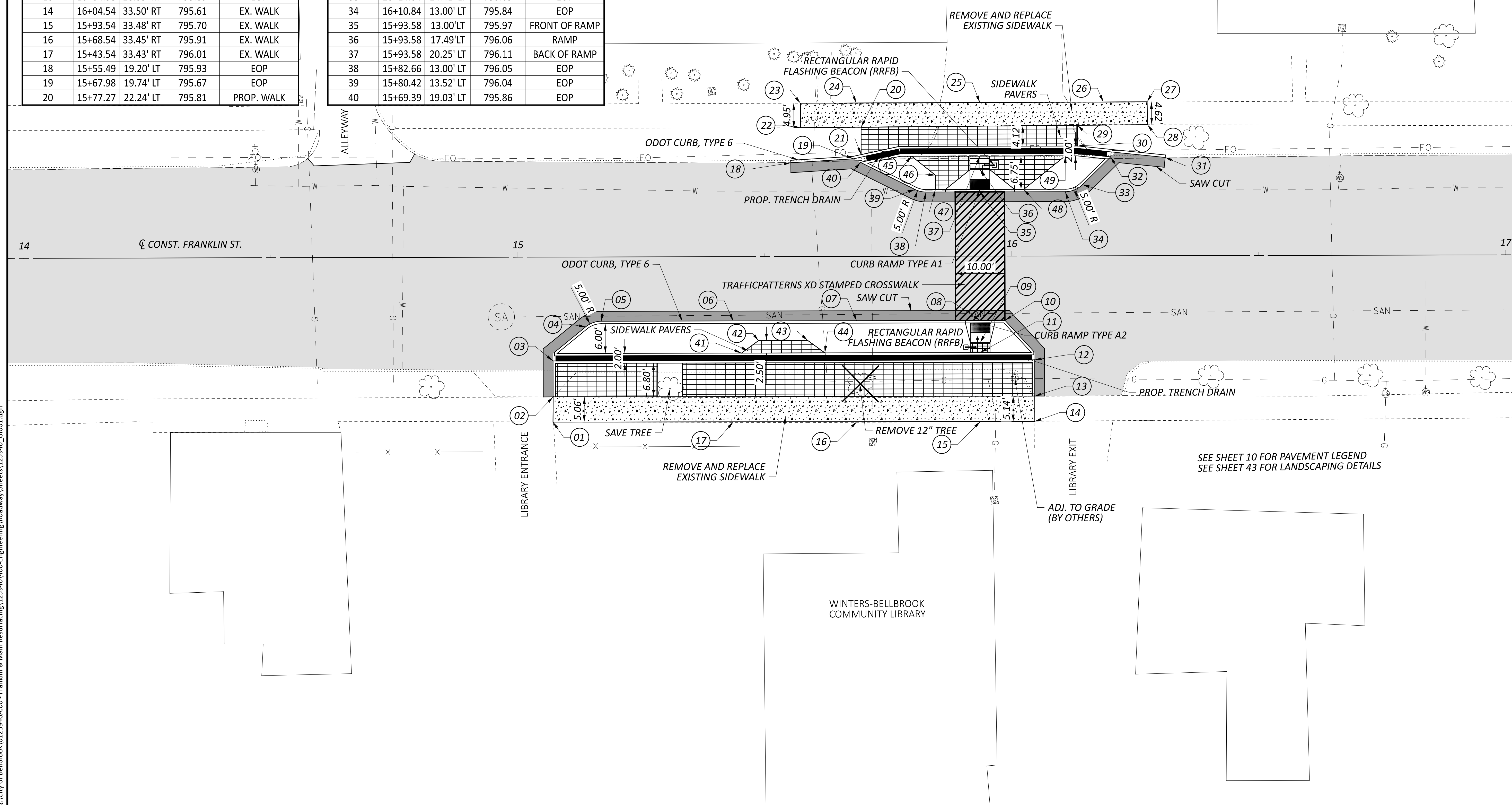
FRANKLIN AND MAIN STREET IMPROVEMENTS

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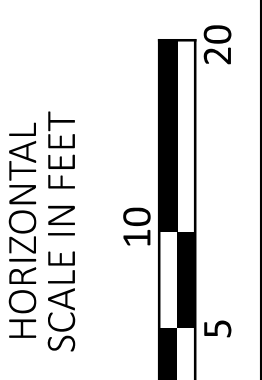
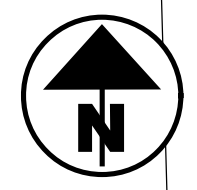
CURB BUMP OUT DETAILS				
LOCATION	STATION	OFFSET	ELEVATION	DETAIL
01	15+07.04	33.39' RT	796.10	EX. WALK
02	15+07.08	28.30' RT	796.18	EOP
03	15+07.08	21.51' RT	796.15	EOP
04	15+13.70	14.13' RT	796.47	EOP
05	15+16.86	13.00' RT	796.51	EOP
06	15+43.56	13.00' RT	796.33	EOP
07	15+68.56	13.00' RT	796.14	EOP
08	15+93.56	13.00' RT	795.99	FRONT OF RAMP
09	15+93.56	17.50' RT	796.08	RAMP
10	15+98.56	13.00' RT	795.95	EOP
11	15+93.55	19.50' RT	796.11	BACK OF RAMP
12	16+04.58	21.00' RT	795.62	EOP
13	16+04.58	28.35' RT	795.69	EOP
14	16+04.54	33.50' RT	795.61	EX. WALK
15	15+93.54	33.48' RT	795.70	EX. WALK
16	15+68.54	33.45' RT	795.91	EX. WALK
17	15+43.54	33.43' RT	796.01	EX. WALK
18	15+55.49	19.20' LT	795.93	EOP
19	15+67.98	19.74' LT	795.67	EOP
20	15+77.27	22.24' LT	795.81	PROP. WALK

CURB BUMP OUT DETAILS				
LOCATION	STATION	OFFSET	ELEVATION	DETAIL
21	15+77.53	26.09' LT	795.62	PROP. WALK
22	15+57.28	26.07' LT	795.75	EX. WALK
23	15+57.28	31.02' LT	795.74	EX. WALK
24	15+68.59	31.04' LT	795.71	EX. WALK
25	15+93.59	31.08' LT	795.56	EX. WALK
26	16+18.59	31.12' LT	795.27	EX. WALK
27	16+27.46	31.14' LT	795.16	EX. WALK
28	16+27.53	26.51' LT	795.2	EX. WALK
29	16+13.33	26.42' LT	795.37	PROP. WALK
30	16+13.37	22.23' LT	795.37	PROP. WALK
31	16+31.09	19.87' LT	795.26	EOP
32	16+20.07	20.02' LT	795.35	EOP
33	16+14.34	14.41' LT	795.69	EOP
34	16+10.84	13.00' LT	795.84	EOP
35	15+93.58	13.00' LT	795.97	FRONT OF RAMP
36	15+93.58	17.49' LT	796.06	RAMP
37	15+93.58	20.25' LT	796.11	BACK OF RAMP
38	15+82.66	13.00' LT	796.05	EOP
39	15+80.42	13.52' LT	796.04	EOP
40	15+69.39	19.03' LT	795.86	EOP

CURB BUMP OUT DETAILS				
LOCATION	STATION	OFFSET	ELEVATION	DETAIL
41	15+45.23	19.50' RT	796.83	PROP. PAVERS
42	15+48.67	17.00' RT	796.79	PROP. PAVERS
43	15+58.67	17.00' RT	796.71	PROP. PAVERS
44	15+62.21	19.50' RT	796.75	PROP. PAVERS
45	15+80.33	20.25' LT	796.25	PROP. PAVERS
46	15+84.36	16.90' LT	796.43	PROP. PAVERS
47	15+84.58	13.50' LT	796.53	PROP. PAVERS
48	16+02.44	13.50' LT	796.40	PROP. PAVERS
49	16+10.88	20.25' LT	796.00	PROP. PAVERS



SEE SHEET 10 FOR PAVEMENT LEGEND
 SEE SHEET 43 FOR LANDSCAPING DETAILS



**CURB BUMP OUT DETAIL
 FRANKLIN STREET - LIBRARY AND DAIRY SHED**

DESIGN AGENCY	
DESIGNER	ASN
REVIEWER	BMG 07/19/23
PROJECT ID	125940
SHEET	TOTAL
24	47

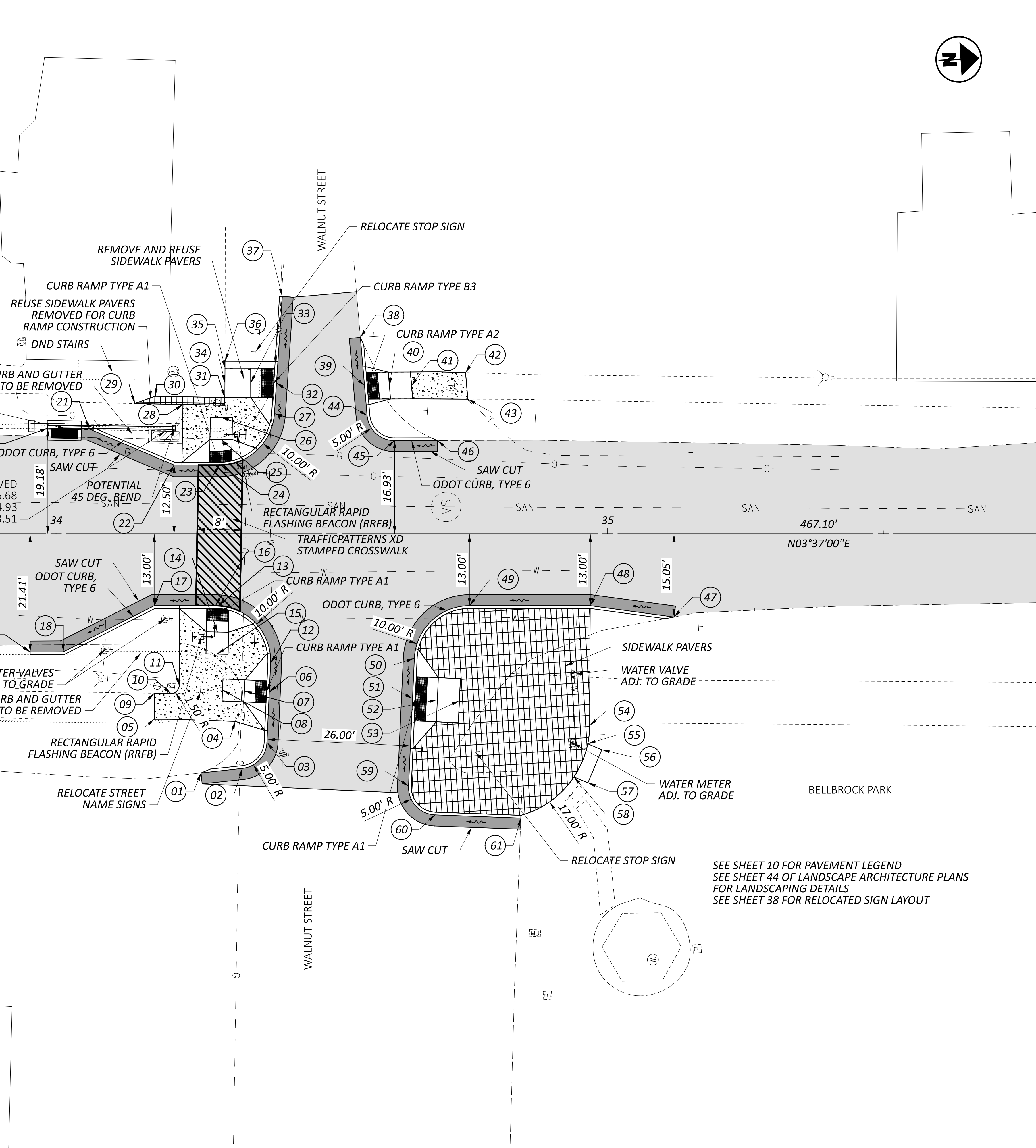
FRANKLIN AND MAIN STREET IMPROVEMENTS

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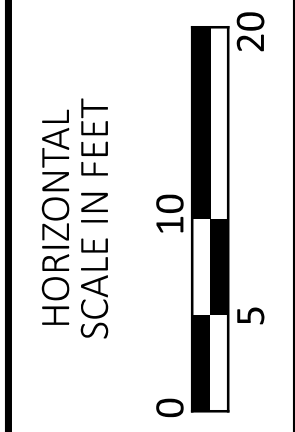
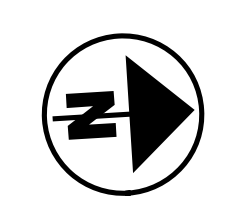
CURB BUMP OUT DETAILS				
LOCATION	STATION	OFFSET	ELEVATION	DETAIL
01	34+26.28	43.32' RT	798.27	EOP
02	34+33.79	42.51' RT	797.72	EOP
03	34+38.24	37.77' RT	798.01	EOP
04	34+32.47	33.96' RT	798.04	PROP. WALK
05	34+17.80	33.57' RT	797.39	EX. WALK
06	34+38.66	28.65' RT	798.05	FRONT OF RAMP
07	34+34.16	28.44' RT	798.10	RAMP
08	34+30.17	28.26' RT	798.12	BACK OF RAMP
09	34+17.81	28.87' RT	797.29	EX. WALK
10	34+20.81	28.91' RT	797.37	EX. WALK
11	34+22.34	27.41' RT	797.38	EX. WALK
12	34+38.90	23.46' RT	798.01	EOP
13	34+29.35	13.01' RT	797.70	FRONT OF RAMP
14	34+29.26	17.78' RT	797.73	RAMP
15	34+29.19	21.78' RT	797.60	BACK OF RAMP
16	34+28.91	13.00' RT	797.70	EOP
17	34+17.80	13.00' RT	797.06	EOP
18	34+01.30	21.38' RT	796.11	EOP
19	33+95.30	21.41' RT	795.78	EOP
20	33+98.49	19.18' LT	795.58	EOP

CURB BUMP OUT DETAILS				
LOCATION	STATION	OFFSET	ELEVATION	DETAIL
21	34+06.07	19.02' LT	796.03	EOP
22	34+21.39	12.50' LT	797.12	EOP
23	34+29.61	12.50' LT	797.61	EOP
24	34+29.81	12.50' LT	797.61	FRONT OF RAMP
25	34+29.90	17.15' LT	797.65	RAMP
26	34+29.97	21.15' LT	797.69	BACK OF RAMP
27	34+39.59	21.83' LT	798.48	EOP
28	34+23.01	23.49' LT	797.17	PROP. WALK
29	34+14.29	23.66' LT	796.75	EX. WALK
30	34+17.98	24.98' LT	796.94	EX. WALK
31	34+30.60	24.74' LT	797.76	EX. WALK
32	34+39.96	27.41' LT	798.79	FRONT OF RAMP
33	34+35.28	27.41' LT	797.81	RAMP
34	34+30.61	27.41' LT	797.69	BACK OF RAMP
35	34+30.62	30.08' LT	798.11	EX. WALK
36	34+30.62	31.32' LT	798.18	EX. WALK
37	34+41.01	43.06' LT	800.13	EOP
38	34+55.17	35.64' LT	800.01	EOP
39	34+55.92	26.90' LT	799.43	FRONT OF RAMP
40	34+60.44	26.92' LT	799.49	RAMP

CURB BUMP OUT DETAILS				
LOCATION	STATION	OFFSET	ELEVATION	DETAIL
41	34+64.45	26.93' LT	799.80	BACK OF RAMP
42	34+74.24	29.25' LT	800.78	EX. WALK
43	34+74.66	24.46' LT	800.76	EX. WALK
44	34+56.39	21.50' LT	799.30	EOP
45	34+61.39	16.93' LT	799.32	EOP
46	34+69.14	16.95' LT	799.75	EOP
47	35+12.04	15.05' RT	801.46	EOP
48	34+96.87	13.00' RT	800.80	EOP
49	34+74.96	13.00' RT	799.85	EOP
50	34+64.97	22.54' RT	798.79	EOP
51	34+64.63	29.84' RT	798.70	FRONT OF RAMP
52	34+69.13	30.04' RT	798.79	RAMP
53	34+73.12	30.23' RT	798.86	BACK OF RAMP
54	34+96.75	34.72' RT	800.22	PROP. WALK
55	34+96.40	38.04' RT	800.33	PROP. WALK
56	34+98.95	39.12' RT	800.65	PROP. WALK
57	34+96.43	45.11' RT	800.77	PROP. WALK
58	34+93.90	44.05' RT	800.58	PROP. WALK
59	34+63.91	45.71' RT	798.66	EOP
60	34+68.71	50.93' RT	798.75	EOP
61	34+84.27	51.52' RT	799.44	EOP



SEE SHEET 10 FOR PAVEMENT LEGEND
 SEE SHEET 44 OF LANDSCAPE ARCHITECTURE PLANS FOR LANDSCAPING DETAILS
 SEE SHEET 38 FOR RELOCATED SIGN LAYOUT



**CURB BUMP OUT DETAIL
 MAIN STREET & WALNUT STREET**

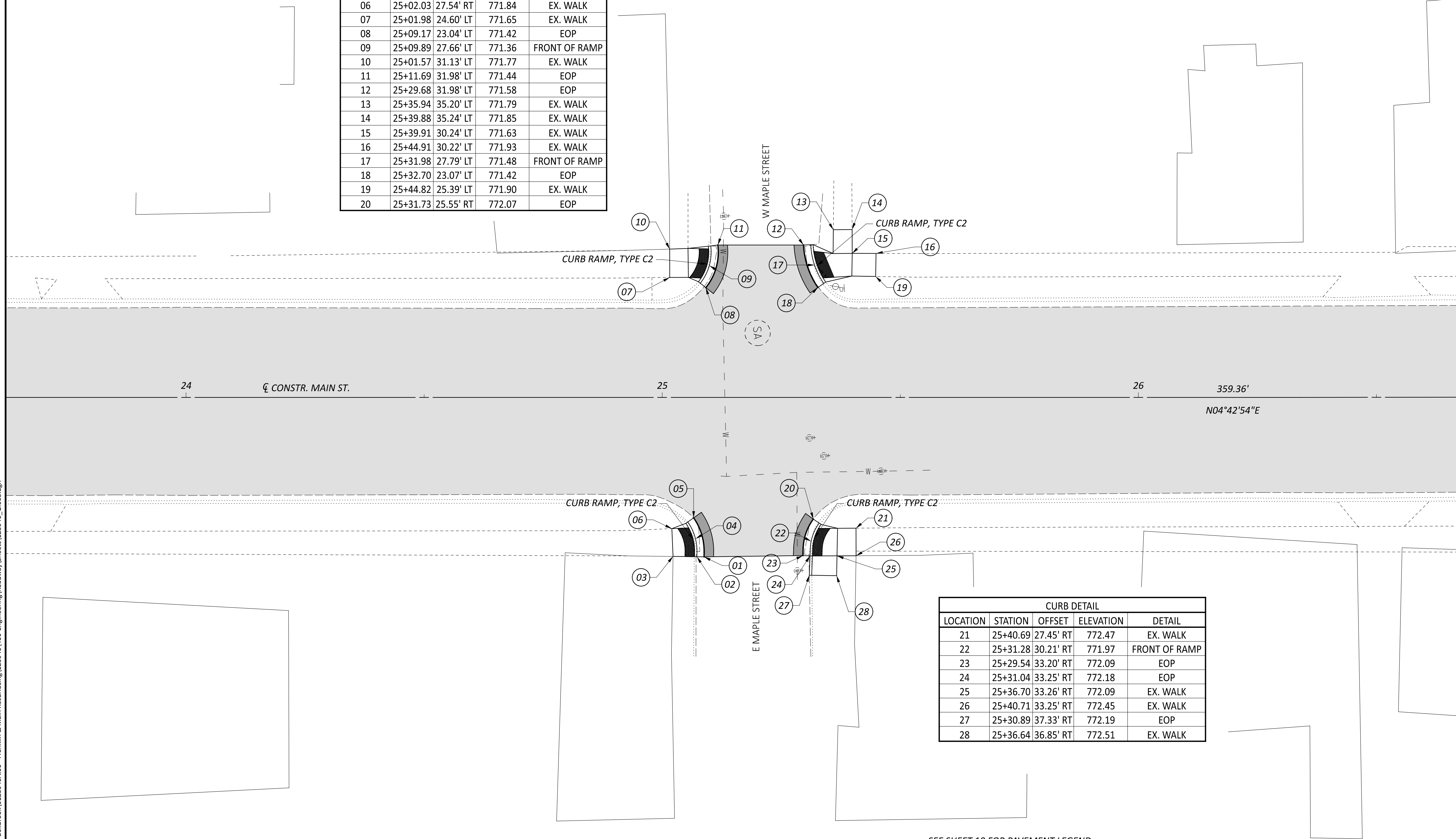
DESIGN AGENCY

 DESIGNER
 ASN
 REVIEWER
 BMG 07/19/23
 PROJECT ID
 125940
 SHEET TOTAL
 25 47

FRANKLIN AND MAIN STREET IMPROVEMENTS

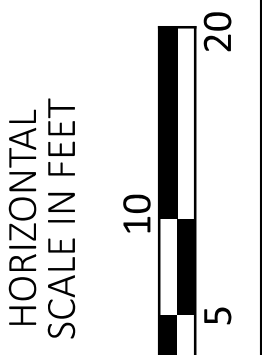
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CURB DETAIL				
LOCATION	STATION	OFFSET	ELEVATION	DETAIL
01	25+08.79	33.47' RT	771.79	EOP
02	25+07.29	33.44' RT	771.85	EOP
03	25+02.27	33.36' RT	771.90	EX. WALK
04	25+06.99	29.68' RT	771.62	FRONT OF RAMP
05	25+06.59	25.28' RT	771.45	EOP
06	25+02.03	27.54' RT	771.84	EX. WALK
07	25+01.98	24.60' LT	771.65	EX. WALK
08	25+09.17	23.04' LT	771.42	EOP
09	25+09.89	27.66' LT	771.36	FRONT OF RAMP
10	25+01.57	31.13' LT	771.77	EX. WALK
11	25+11.69	31.98' LT	771.44	EOP
12	25+29.68	31.98' LT	771.58	EOP
13	25+35.94	35.20' LT	771.79	EX. WALK
14	25+39.88	35.24' LT	771.85	EX. WALK
15	25+39.91	30.24' LT	771.63	EX. WALK
16	25+44.91	30.22' LT	771.93	EX. WALK
17	25+31.98	27.79' LT	771.48	FRONT OF RAMP
18	25+32.70	23.07' LT	771.42	EOP
19	25+44.82	25.39' LT	771.90	EX. WALK
20	25+31.73	25.55' RT	772.07	EOP



CURB DETAIL				
LOCATION	STATION	OFFSET	ELEVATION	DETAIL
21	25+40.69	27.45' RT	772.47	EX. WALK
22	25+31.28	30.21' RT	771.97	FRONT OF RAMP
23	25+29.54	33.20' RT	772.09	EOP
24	25+31.04	33.25' RT	772.18	EOP
25	25+36.70	33.26' RT	772.09	EX. WALK
26	25+40.71	33.25' RT	772.45	EX. WALK
27	25+30.89	37.33' RT	772.19	EOP
28	25+36.64	36.85' RT	772.51	EX. WALK

SEE SHEET 10 FOR PAVEMENT LEGEND



**INTERSECTION DETAIL
 MAIN ST. & MAPLE ST.**

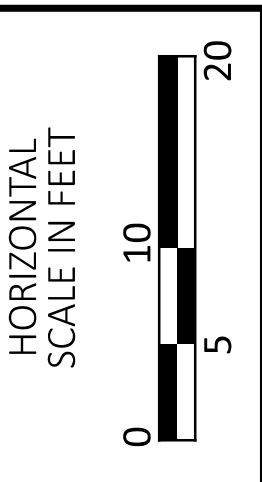
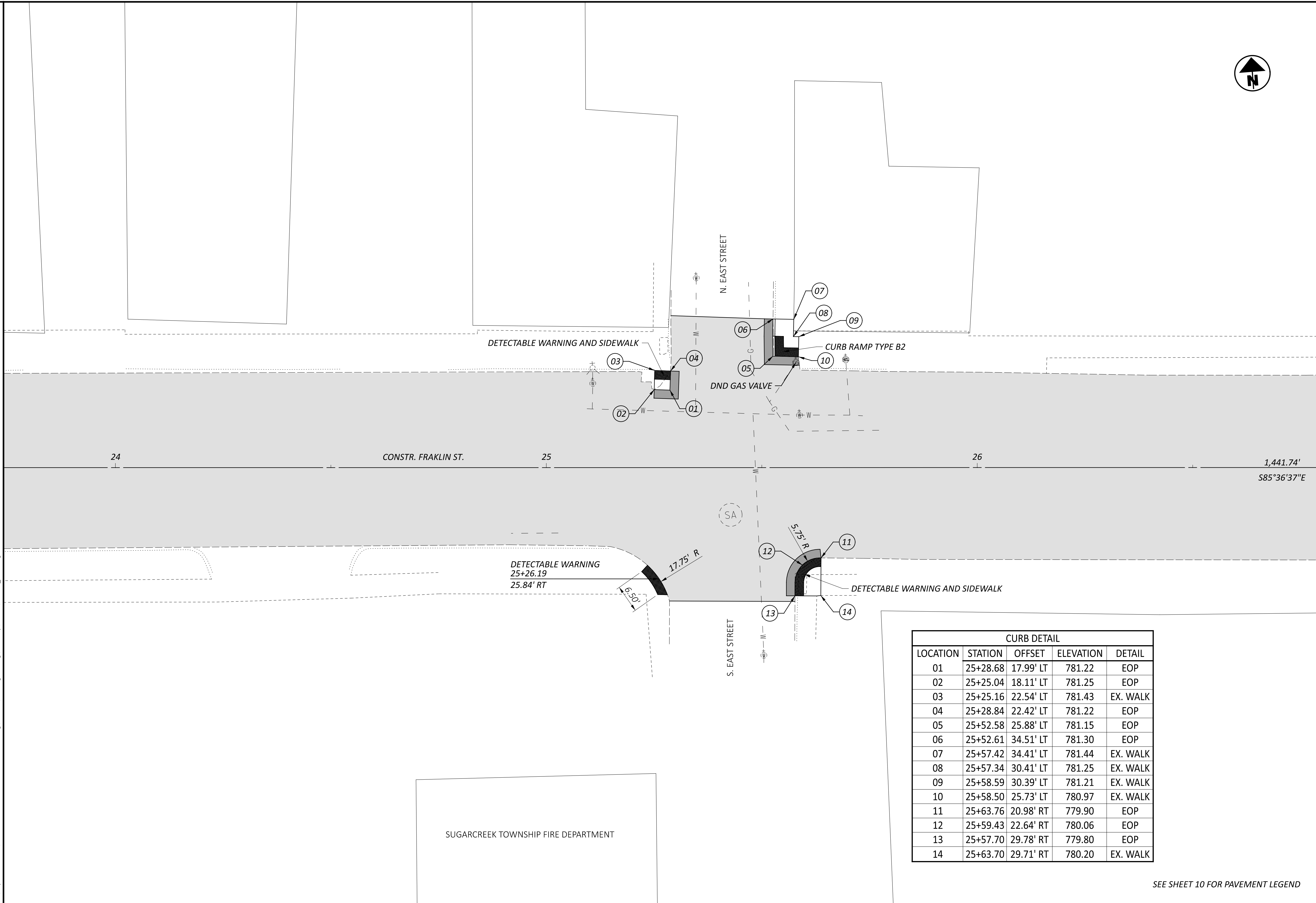
DESIGN AGENCY



DESIGNER	ASN
REVIEWER	BMG 07/19/23
PROJECT ID	125940
SHEET	TOTAL
26	47

FRANKLIN AND MAIN STREET IMPROVEMENTS

MODEL: Sheet_SurvFt_PAPER SIZE: 34x22 (in.) DATE: 8/11/2023 TIME: 2:33:14 PM USER: bgressel
 Q:\City of Bellbrook\0125940A.00 - Franklin & Main Resurfacing\125940\400-Engineering\Roadway\Sheets\125940_G1004.dgn



**INTERSECTION DETAIL
FRANKLIN ST. & EAST ST.**

DETECTABLE WARNING
25+26.19
25.84' RT

CURB DETAIL				
LOCATION	STATION	OFFSET	ELEVATION	DETAIL
01	25+28.68	17.99' LT	781.22	EOP
02	25+25.04	18.11' LT	781.25	EOP
03	25+25.16	22.54' LT	781.43	EX. WALK
04	25+28.84	22.42' LT	781.22	EOP
05	25+52.58	25.88' LT	781.15	EOP
06	25+52.61	34.51' LT	781.30	EOP
07	25+57.42	34.41' LT	781.44	EX. WALK
08	25+57.34	30.41' LT	781.25	EX. WALK
09	25+58.59	30.39' LT	781.21	EX. WALK
10	25+58.50	25.73' LT	780.97	EX. WALK
11	25+63.76	20.98' RT	779.90	EOP
12	25+59.43	22.64' RT	780.06	EOP
13	25+57.70	29.78' RT	779.80	EOP
14	25+63.70	29.71' RT	780.20	EX. WALK

SEE SHEET 10 FOR PAVEMENT LEGEND

DESIGN AGENCY



DESIGNER
ASN

REVIEWER
BMG 07/19/23

PROJECT ID
125940

SHEET TOTAL
27 47

630 SIGNING MISC.: SOLAR-POWERED RECTANGULAR RAPID FLASHING BEACON (RRFB) SIGN ASSEMBLY

THIS WORK SHALL CONSIST OF FURNISHING AND INSTALLING A SOLAR POWERED RECTANGULAR RAPID FLASHING BEACON (RRFB) SIGN ASSEMBLY. THE FLASHING UNIT SHALL BE SOLAR POWERED, PEDESTRIAN ACTIVATED, AND 2-SIDED WITH TWO LED ARRAY BASED YELLOW INDICATIONS ON EACH SIDE. MULTIPLE UNITS SHALL BE WIRELESSLY CONTROLLED AND SYNCHRONIZED. THE UNIT SHALL BE COMPLIANT WITH THE MOST CURRENT OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (OMUTCD) AND FHWA INTERIM APPROVAL FOR RRFBs (IA-21).

GENERAL REQUIREMENTS -

EACH RRFB SHALL CONSIST OF TWO RAPIDLY FLASHED RECTANGULAR-SHAPED YELLOW INDICATIONS HAVING LED ARRAY BASED LIGHT SOURCE.

EACH RRFB SHALL BE A COMPLETE ASSEMBLY, CONSISTING OF BUT NOT LIMITED TO, SIGNAGE, SIGN MOUNTING HARDWARE, INDICATIONS AND ELECTRICAL COMPONENTS (WIRING, SOLID-STATE CIRCUIT BOARDS, ETC.).

EACH RRFB SHALL CONTAIN A PEDESTRIAN INDICATION LIGHT VISIBLE BY THE PEDESTRIAN IN THE DIRECTION OF TRAVEL.

FUNCTIONAL REQUIREMENTS -

EACH RRFB SHALL UTILIZE SOLAR POWER.

EACH RRFB SHALL BE ACTIVATED BY ADA COMPLIANT PUSHBUTTONS.

THE RRFB SHALL BE NORMALLY DARK, SHALL INITIATE OPERATION ONLY UPON PEDESTRIAN ACTUATION, AND SHALL CEASE OPERATION AFTER A PREDETERMINED TIME LIMIT (BASED ON OMUTCD PROCEDURES).

EACH REMOTE RRFB SHALL BE WIRELESSLY ACTIVATED.

ALL RRFB LIGHT INDICATIONS SHALL BE WIRELESSLY SYNCHRONIZED (ALL LIGHTS WILL TURN ON WITHIN 120 MSEC AND REMAIN SYNCHRONIZED THROUGHOUT THE DURATION OF THE FLASHING CYCLE).

THE UNIT SHALL BE CAPABLE OF RUNNING 14 DAYS WITHOUT SUNLIGHT.

MATERIALS -

FURNISH A COMPLETE ASSEMBLY, CONSISTING OF BUT NOT LIMITED TO, SIGNAGE, SIGN MOUNTING HARDWARE, INDICATIONS, AND ELECTRICAL COMPONENTS (WIRING, SOLID-STATE CIRCUIT BOARDS, ETC.). THE RRFB ASSEMBLY INCLUDES THE FOLLOWING ITEMS:

1. RRFB INDICATIONS

- A. EACH RRFB INDICATION LENS SHALL BE A MINIMUM SIZE OF APPROXIMATELY 5" WIDE X 2" HIGH.
- B. THE RRFB INDICATIONS SHALL BE ALIGNED HORIZONTALLY, WITH THE LONGER DIMENSION OF THE INDICATION HORIZONTAL. THERE SHALL BE TWO INDICATIONS ON THE FRONT AND TWO INDICATIONS ON THE BACK.
- C. EACH RRFB SHALL BE SUPPLIED WITH ALL REQUIRED HARDWARE TO INSTALL ASSEMBLY. ALL EXPOSED HARDWARE SHALL BE ANTI-VANDAL.

- D. EACH RRFB SHALL BE LOCATED BETWEEN THE BOTTOM OF THE CROSSING WARNING SIGN AND THE TOP OF THE SUPPLEMENTAL DOWNWARD DIAGONAL ARROW PLAQUE.
- E. THE LIGHT INTENSITY OF THE YELLOW INDICATIONS SHALL MEET THE MINIMUM CLASS 1 SPECIFICATIONS OF SOCIETY OF AUTOMOTIVE ENGINEERS (SAE) STANDARD J595 (DIRECTIONAL FLASHING OPTICAL WARNING DEVICES FOR AUTHORIZED EMERGENCY, MAINTENANCE, AND SERVICE VEHICLES) DATED JANUARY, 2005.
- F. TO MINIMIZE EXCESSIVE GLARE DURING NIGHTTIME CONDITIONS, AN AUTOMATIC SIGNAL DIMMING DEVICE SHALL BE USED TO REDUCE THE BRILLIANCE OF THE RRFB INDICATIONS.
- G. An LED PEDESTRIAN CONFIRMATION LIGHT DIRECTED AT AND VISIBLE TO PEDESTRIANS IN THE CROSSWALK SHALL BE INSTALLED INTEGRAL TO THE RRFB OR PUSHBUTTON TO GIVE CONFIRMATION THAT THE RRFB IS IN OPERATION.
- H. THE PEDESTRIAN CONFIRMATION LIGHT SHALL HAVE A MINIMUM AREA OF 0.5 SQUARE INCHES AND BE CONSPICUOUS TO PEDESTRIANS AT ALL DISTANCES FROM THE BEGINNING OF THE CONTROLLED CROSSWALK TO A POINT 10 FEET FROM THE END OF THE CONTROLLED CROSSWALK DURING BOTH DAY AND NIGHT.

2. SIGNS

- A. ALL SIGN ASSEMBLIES SHALL USE ANTI-VANDAL FASTENERS TO MOUNT COMPONENTS TO SIGN AND SIGN TO FIXTURE.
- B. PEDESTRIAN PUSHBUTTONS SIGNS SHALL BE PROVIDED AND INCLUDE THE LEGEND "PUSH BUTTON TO TURN ON WARNING LIGHTS". SIGNS SHOULD BE MOUNTED ADJACENT TO OR INTEGRAL WITH EACH PEDESTRIAN PUSHBUTTON.
- C. TWO SETS OF SIGNS SHALL BE REQUIRED PER UNIT FOR VIEW FROM EACH APPROACH.
- D. ASSURE SIGN MEETS THE REQUIREMENTS OF C&MS 630.

3. CONTROL CIRCUIT

- A. THE CONTROL CIRCUIT SHALL HAVE THE CAPABILITY OF INDEPENDENTLY FLASHING UP T TWO INDEPENDENT OUTPUTS. THE LED LIGHT OUTPUTS AND FLASH PATTERN SHALL BE COMPLETELY PROGRAMMABLE.
- B. THE CONTROL CIRCUIT SHALL BE SEALED WATERTIGHT TO ELIMINATE DIRT CONTAMINATION AND ALLOW FOR SAFE HANDLING IN ALL WEATHER CONDITIONS.
- C. THE LEDS SHALL BE SEALED AGAINST DUST AND MOISTURE INTRUSION AS PER THE REQUIREMENTS OF NEMA STANDARD 250-1991 FOR TYPE 4 ENCLOSURE AND TO PROTECT ALL INTERNAL LED AND ELECTRICAL COMPONENTS.

4. BATTERY AND SOLAR PANELS

- A. BATTERY UNIT SHALL BE A 12VDC, 35 AHR MINIMUM, SEALED GEL OR AGM LEAD ACID BATTERY. BATTERIES SHALL HAVE A WRITTEN TWO YEAR FULL

REPLACEMENT WARRANTY.

- B. THE SOLAR PANEL SHALL PROVIDE A MINIMUM OF 40 WATTS PEAK TOTAL OUTPUT.
- C. THE SOLAR PANEL SHALL BE MOUNTED TO AN ALUMINUM PLATE AND BRACKET AT AN ANGLE OF 45 DEGREES - 60 DEGREES TO PROVIDE MAXIMUM OUTPUT.
- D. ALL FASTENERS USED SHALL BE ANTI-VANDAL.

5. WIRELESS RADIO

- A. RADIO CONTROL SHALL OPERATE ON A 900 MHZ FREQUENCY HOPPING SPREAD SPECTRUM NETWORK, WI-FI OR APPROVED EQUAL.
- B. RADIO SHALL INTEGRATE COMMUNICATION OF RRFB CONTROL CIRCUIT TO ACTIVATE SIGN FROM PUSHBUTTON INPUT.
- C. THE RADIO SHALL BE SYNCHRONIZED SO ALL OF THE REMOTE RRFB LIGHT INDICATIONS WILL TURN ON WITHIN 120 MSEC OF EACH OTHER AND REMAIN SYNCHRONIZED THROUGH-OUT THE DURATION OF THE FLASHING CYCLE.

6. PUSHBUTTON

- A. THE PUSHBUTTON SHALL BE CAPABLE OF CONTINUOUS OPERATION OVER A TEMPERATURE RANGE OF -30 DEGREES F TO +165 DEGREES F.
- B. PUSHBUTTON SHALL BE ADA COMPLIANT.

- 7. PEDESTAL SHAFT AND BASE - MOUNT ON A STANDARD 4.5-INCH OD ALUMINUM PEDESTAL POLE WITH TRANSFORMER BASE. A 14 FOOT POLE SHALL BE PROVIDED AND FIELD ADJUSTED AND CAPPED TO MAINTAIN THE PROPER SIGN MOUNTING HEIGHTS, UNLESS SPECIFIED OTHERWISE IN THE PLANS. POLE AND BASE MANUFACTURER SHALL BE LISTED ON ODOT'S QUALIFIED PRODUCTS LIST.

CONSTRUCTION -

THE RRFB SHALL BE ASSEMBLED AND CONSTRUCTED BY THE CONTRACTOR AS SHOWN AND SPECIFIED ON THE PLANS.

WARRANTY -

WARRANTY SHALL BE TWO YEARS FROM THE DATE OF FINAL ACCEPTANCE.

MEASUREMENT -

THE DEPARTMENT WILL MEASURE THE ITEM COMPLETE IN PLACE, INCLUDING ALL MATERIALS, TESTING, LABOR AND SOFTWARE FOR A FULLY FUNCTIONAL UNIT.

PAYMENT -

PAYMENT WILL BE AT THE CONTRACT UNIT PRICE PER EACH FOR ITEM 630 "SIGNING MISC.: SOLAR POWERED RECTANGULAR RAPID FLASHING BEACON (RRFB) SIGN ASSEMBLY".

PEDESTAL, 8' TRANSFORMER BASE

THE EXTERIOR OF PEDESTALS AND BASES PROVIDED AS PART OF THE "ITEM 630, SIGNING, MISC.: SOLAR-POWERED RECTANGULAR RAPID FLASHING BEACON (RRFB)" SHALL BE POWDER COATED BLACK AFTER GALVANIZING IN ACCORDANCE WITH ODOT SUPPLEMENTAL SPECIFICATION 916.

PAYMENT SHALL BE INCIDENTAL TO "ITEM 630, SIGNING, MISC.: SOLAR-POWERED RECTANGULAR RAPID FLASHING BEACON (RRFB)".

DESIGN AGENCY



DESIGNER

ASN

REVIEWER

BMG 07/19/23

PROJECT ID

125940

SHEET

TOTAL

28 | 47

FRANKLIN AND MAIN STREET IMPROVEMENTS

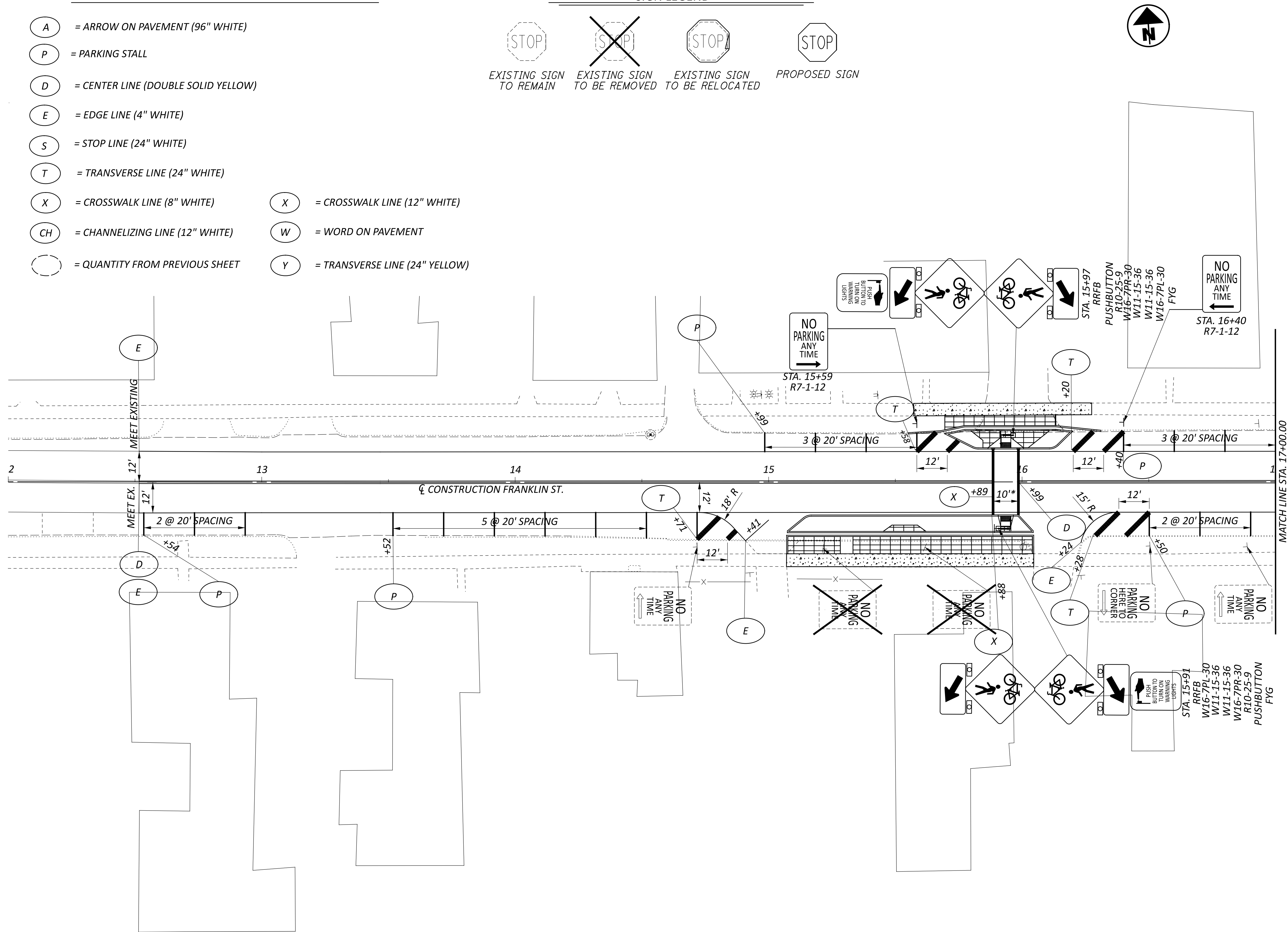
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PAVEMENT MARKING LEGEND

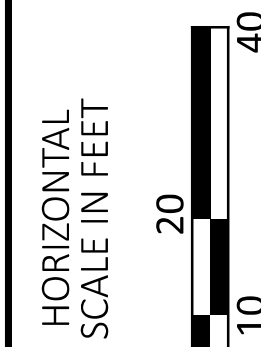
- (A) = ARROW ON PAVEMENT (96" WHITE)
- (P) = PARKING STALL
- (D) = CENTER LINE (DOUBLE SOLID YELLOW)
- (E) = EDGE LINE (4" WHITE)
- (S) = STOP LINE (24" WHITE)
- (T) = TRANSVERSE LINE (24" WHITE)
- (X) = CROSSWALK LINE (8" WHITE)
- (CH) = CHANNELIZING LINE (12" WHITE)
- () = QUANTITY FROM PREVIOUS SHEET
- (X) = CROSSWALK LINE (12" WHITE)
- (W) = WORD ON PAVEMENT
- (Y) = TRANSVERSE LINE (24" YELLOW)

SIGN LEGEND

- EXISTING SIGN TO REMAIN
- EXISTING SIGN TO BE REMOVED
- EXISTING SIGN TO BE RELOCATED
- PROPOSED SIGN

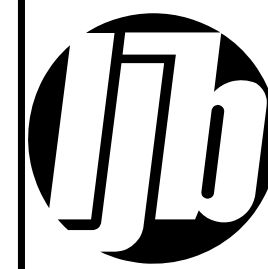


*PLACE 12" CROSSWALK LINE ON PERIMETER OF TRAFFIC PATTERNS XD ENHANCED CROSSWALK



TRAFFIC CONTROL PLAN
 STA. 12+51.00 - STA. 17+00.00

DESIGN AGENCY



DESIGNER

AA

REVIEWER

BMG 07/19/23

PROJECT ID

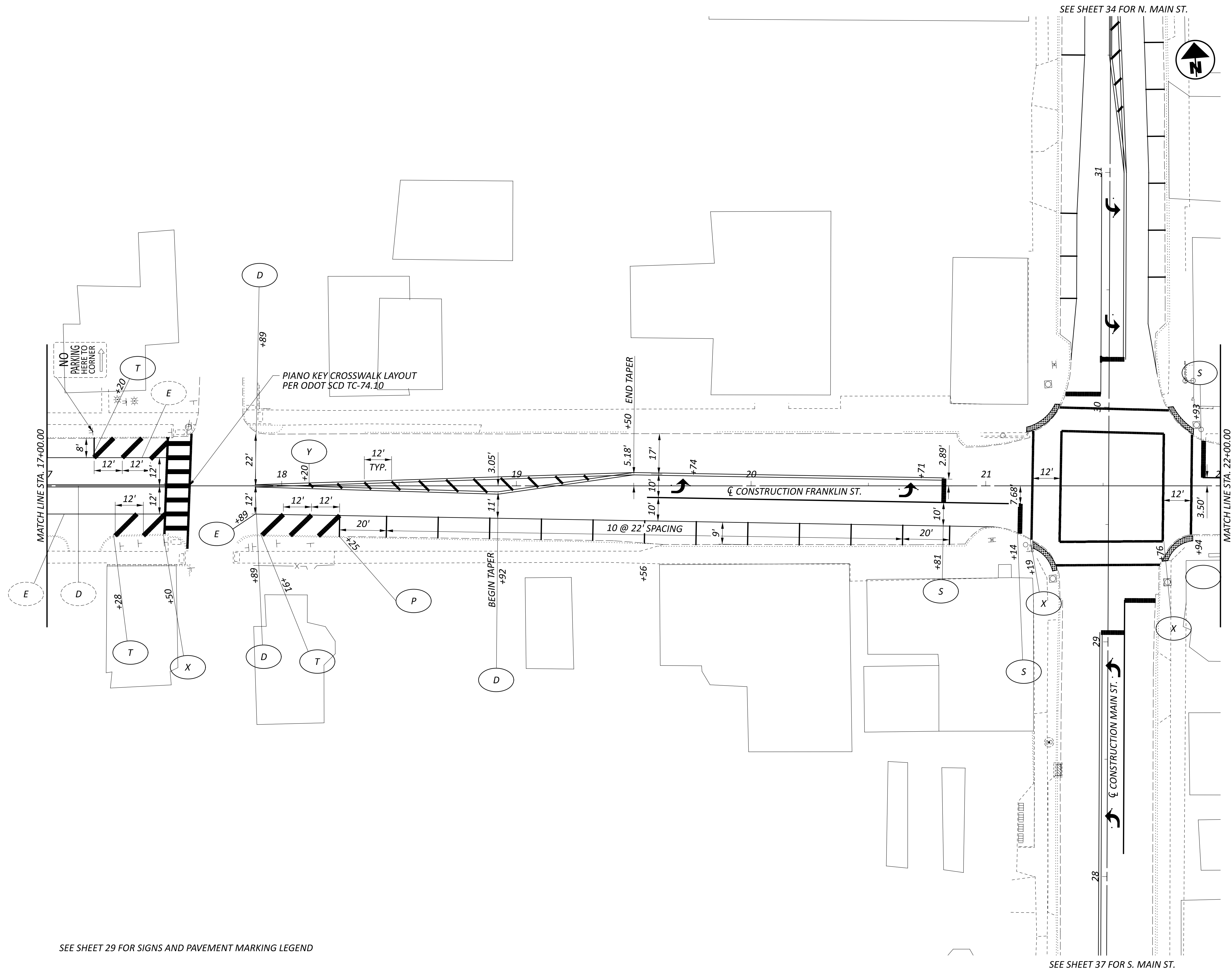
125940

SHEET TOTAL

29 47

FRANKLIN AND MAIN STREET IMPROVEMENTS

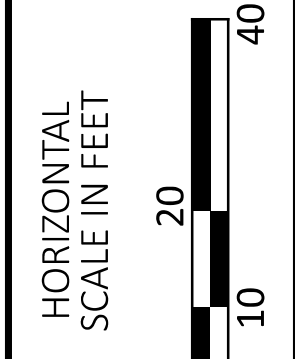
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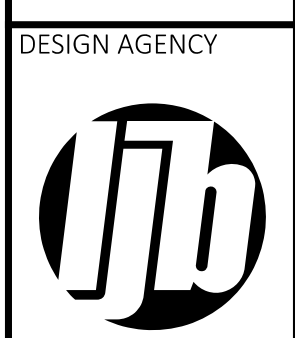
SEE SHEET 29 FOR SIGNS AND PAVEMENT MARKING LEGEND

SEE SHEET 37 FOR S. MAIN ST.

SEE SHEET 34 FOR N. MAIN ST.



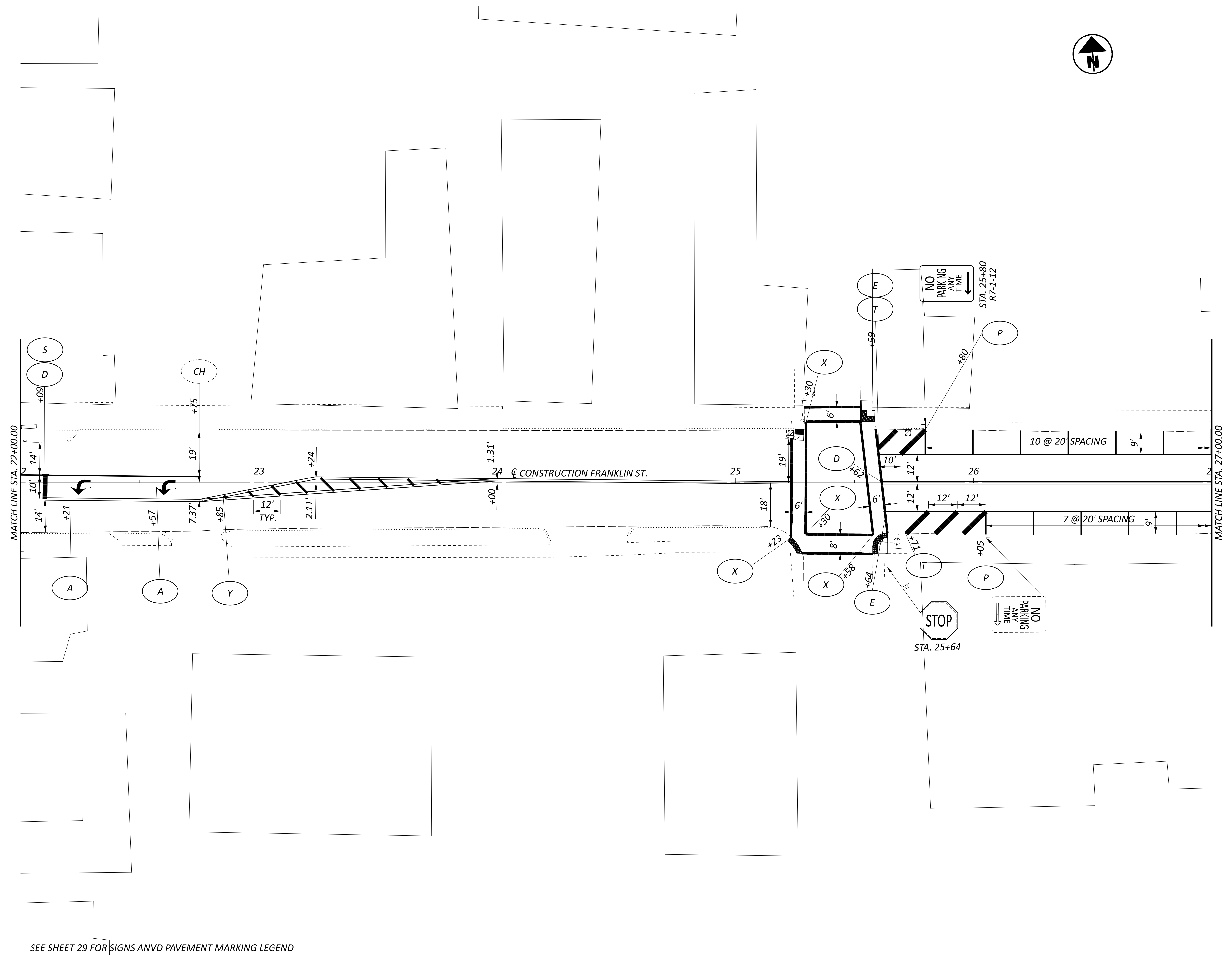
TRAFFIC CONTROL PLAN
 STA. 17+00 TO STA. 22+00



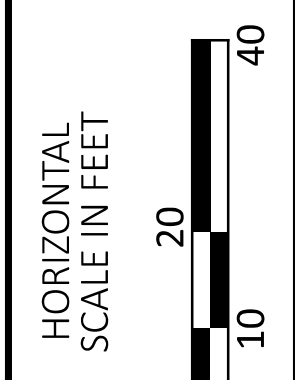
DESIGNER	AA
REVIEWER	BMG 07/19/23
PROJECT ID	125940
SHEET	TOTAL
30	47

FRANKLIN AND MAIN STREET IMPROVEMENTS

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SEE SHEET 29 FOR SIGNS ANVD PAVEMENT MARKING LEGEND



**TRAFFIC CONTROL PLAN
 STA. 22+00 TO STA. 27+00**

DESIGN AGENCY

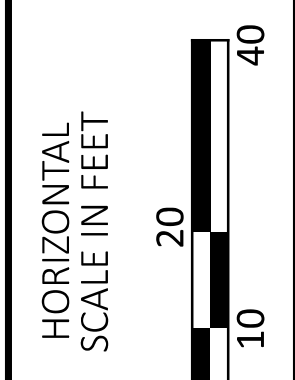
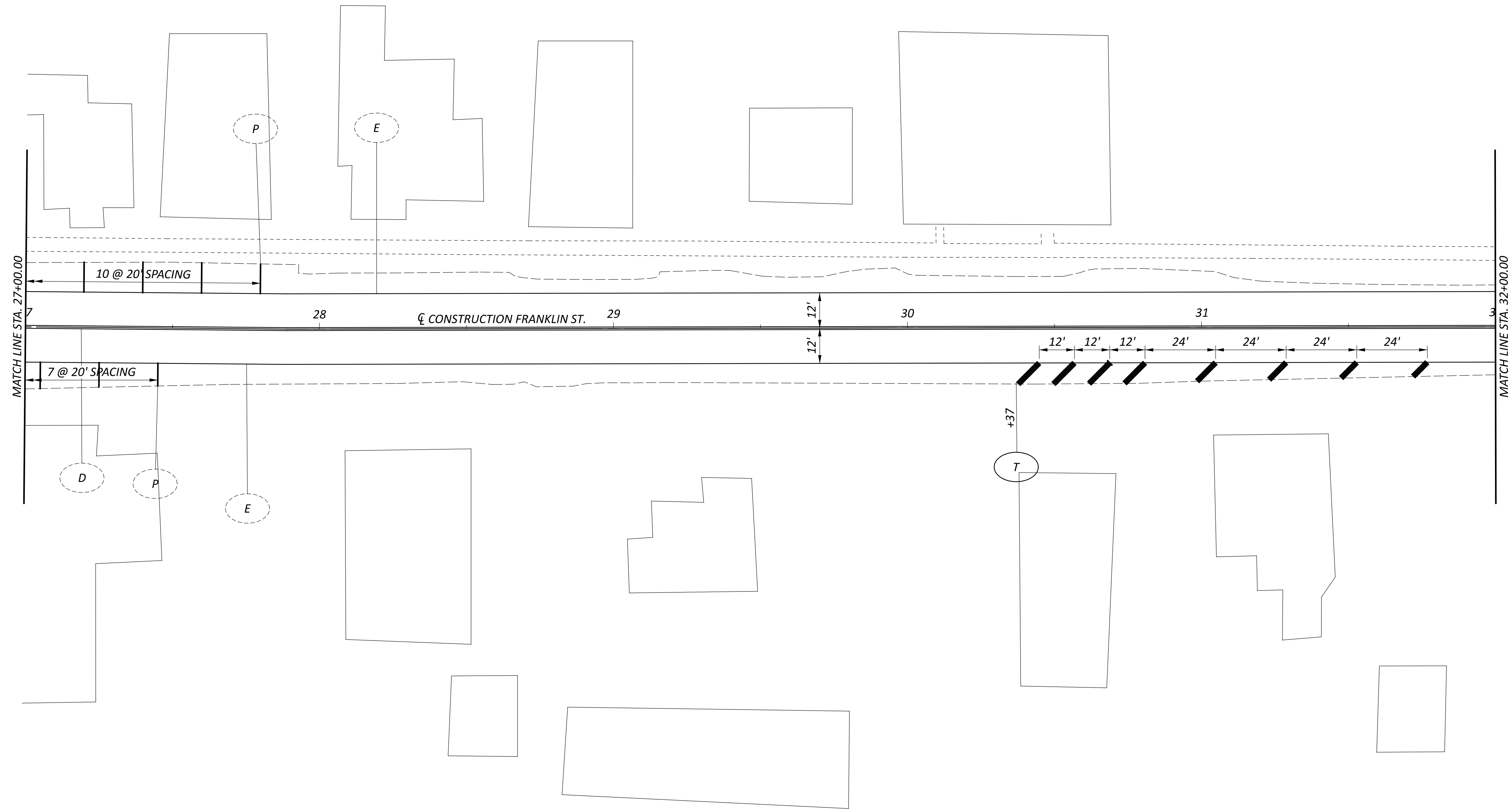


DESIGNER	AA
REVIEWER	BMG 07/19/23
PROJECT ID	125940
SHEET	TOTAL
31	47

FRANKLIN AND MAIN STREET IMPROVEMENTS

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SEE SHEET 29 FOR SIGNS AND PAVEMENT MARKING LEGEND



TRAFFIC CONTROL PLAN
 STA. 27+00 TO STA. 32+00

DESIGN AGENCY



DESIGNER
AA

REVIEWER
BMG 07/19/23

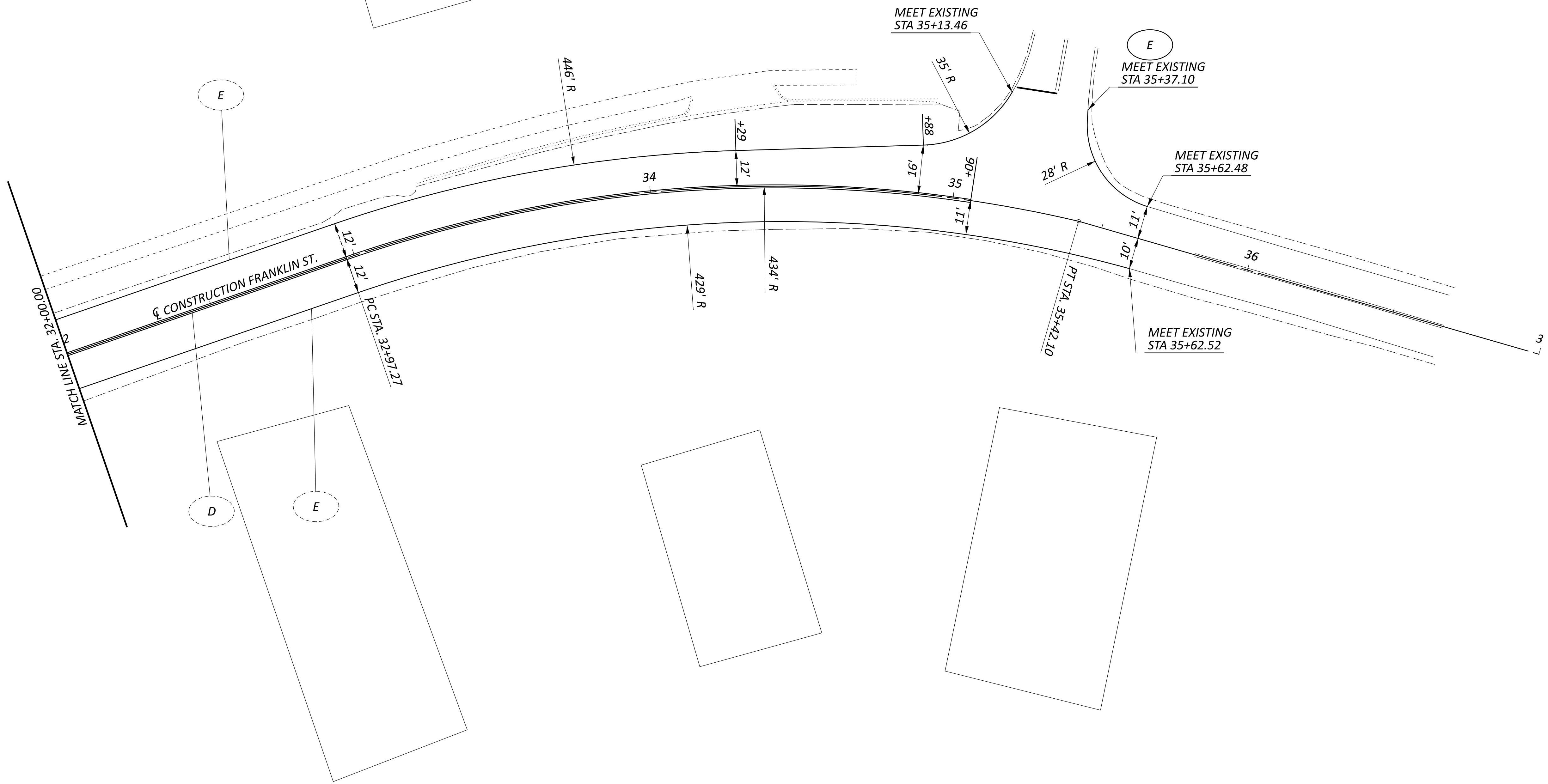
PROJECT ID
125940

SHEET	TOTAL
32	47

FRANKLIN AND MAIN STREET IMPROVEMENTS

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SEE SHEET 25 FOR PAVEMENT MARKING LEGEND



TRAFFIC CONTROL PLAN
STA. 32+00 TO STA. 37+00

DESIGN AGENCY



DESIGNER
AA

REVIEWER

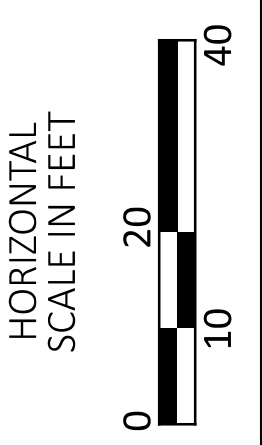
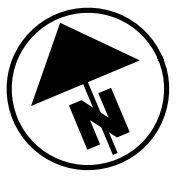
BMG 07/19/23

PROJECT ID

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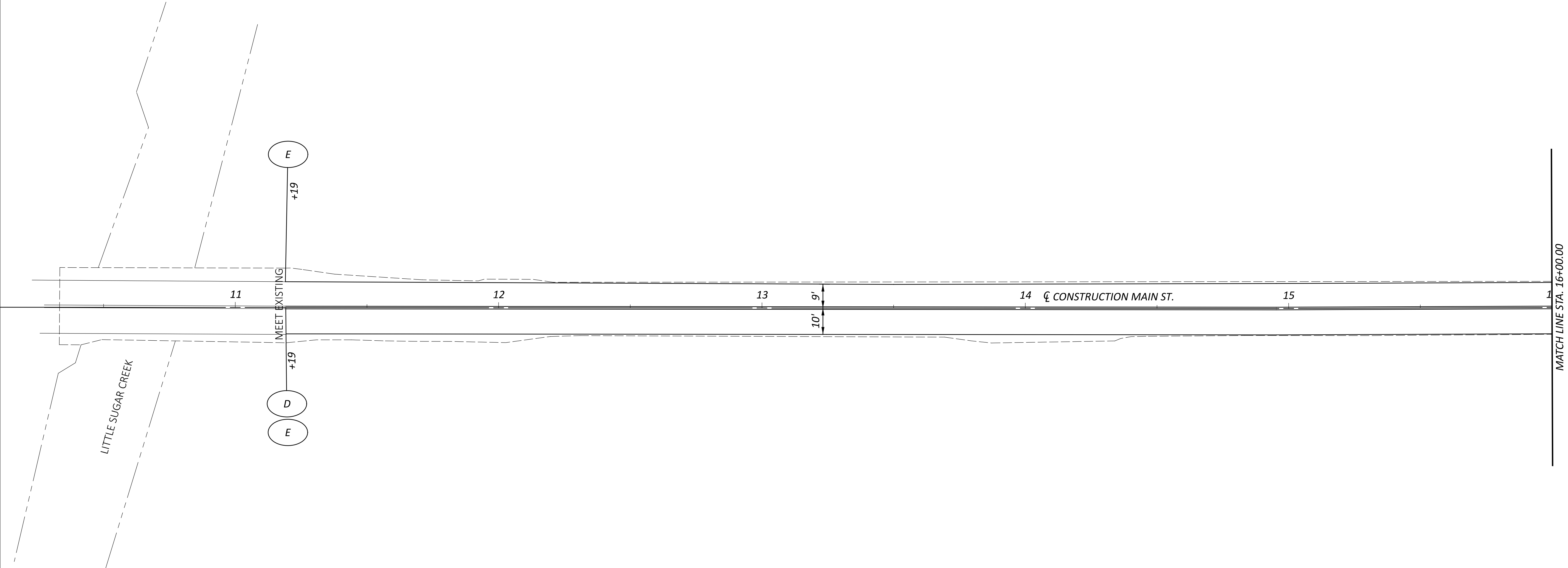
SHEET TOTAL

33 47

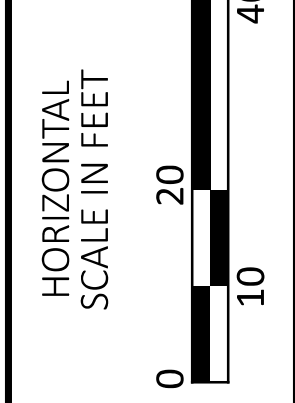


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SEE SHEET 29 FOR PAVEMENT MARKING AND SIGNING LEGEND



TRAFFIC CONTROL PLAN STA. 11+19.00 - STA. 16+00.00

DESIGN AGENCY



DESIGNER
AA

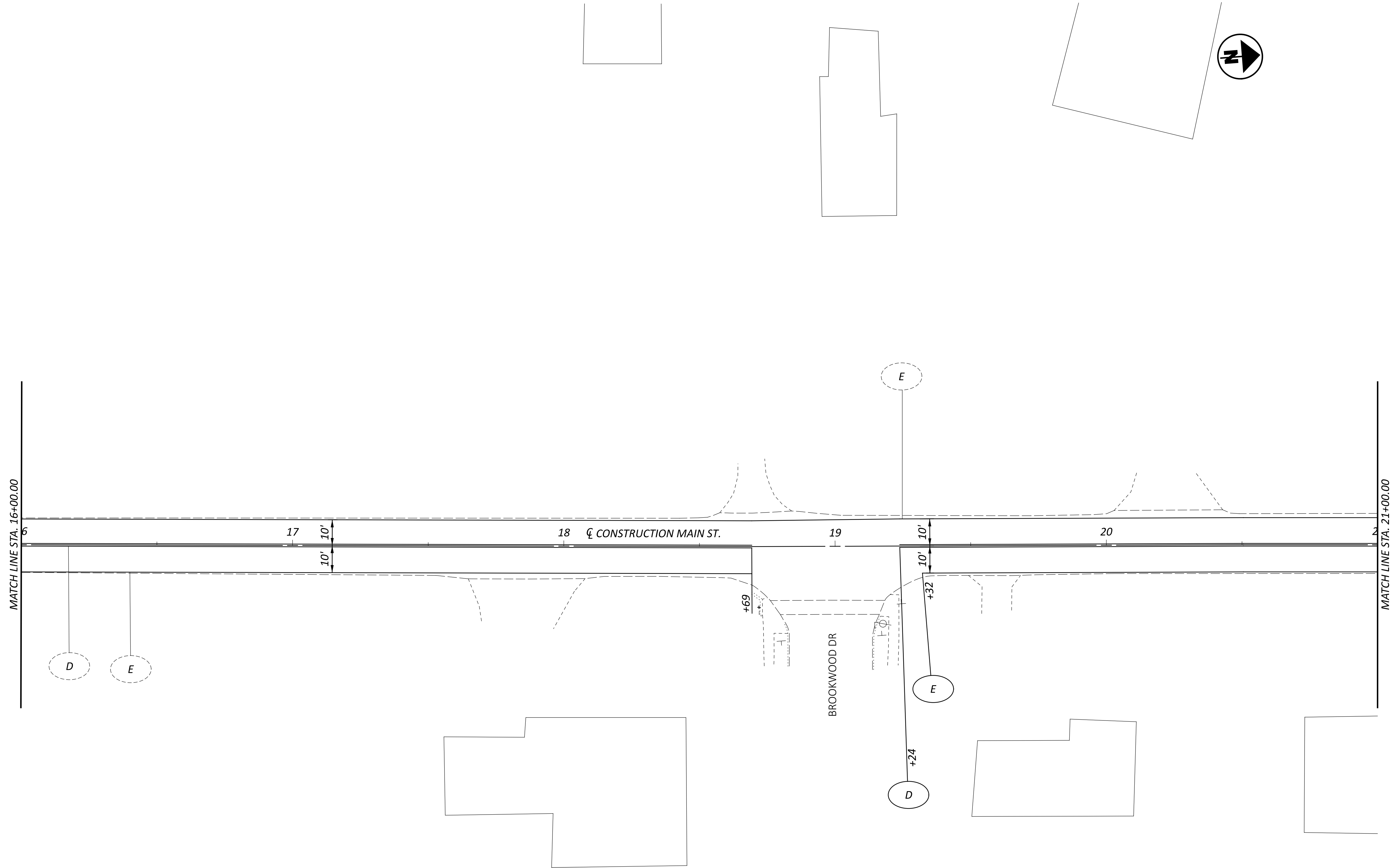
REVIEWER
BMG 07/19/23

PROJECT ID
125940

SHEET	TOTAL
34	47

FRANKLIN AND MAIN STREET IMPROVEMENTS

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SEE SHEET 29 FOR PAVEMENT MARKING AND SIGNING LEGEND

**TRAFFIC CONTROL PLAN
 STA. 16+00 TO STA. 21+00**

DESIGN AGENCY



DESIGNER
AA

REVIEWER
BMG 07/19/23

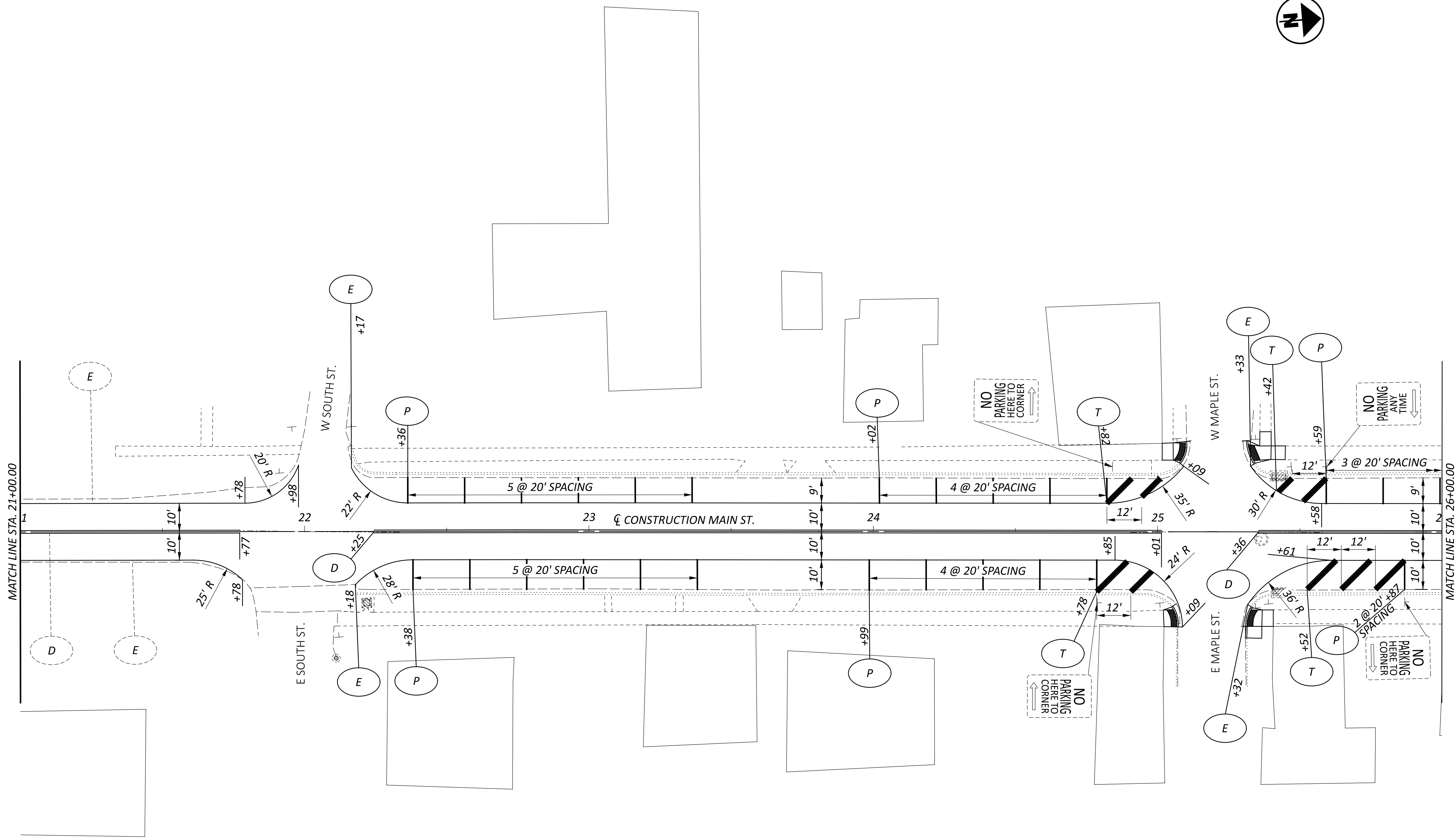
PROJECT ID
125940

SHEET	TOTAL
35	47

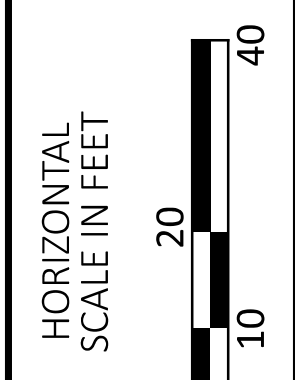


FRANKLIN AND MAIN STREET IMPROVEMENTS

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SEE SHEET 29 FOR PAVEMENT MARKING AND SIGNING LEGEND



**TRAFFIC CONTROL PLAN
 STA. 21+00 TO STA. 26+00**

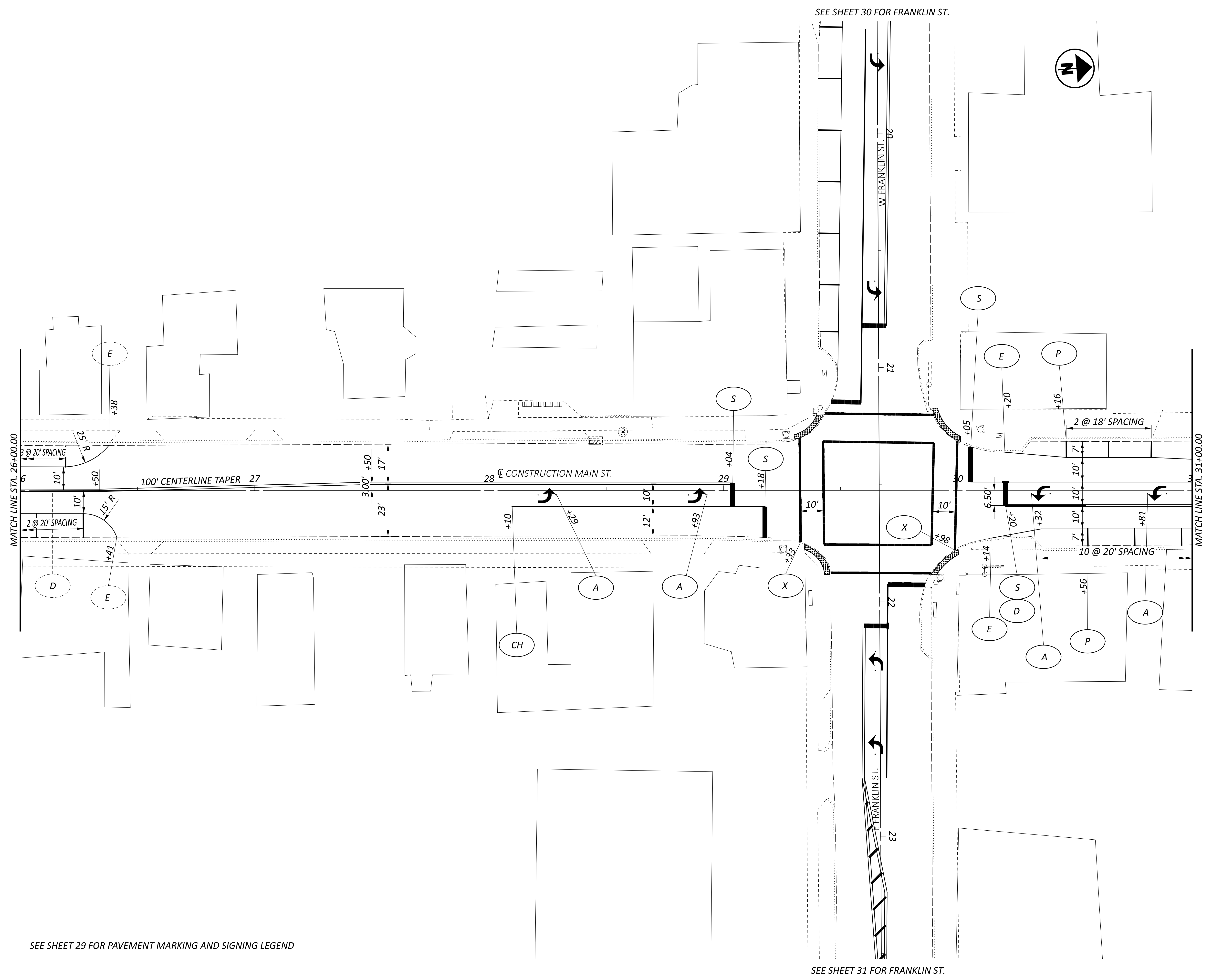
DESIGN AGENCY



DESIGNER	AA
REVIEWER	BMG 07/19/23
PROJECT ID	125940
SHEET	TOTAL
36	47

FRANKLIN AND MAIN STREET IMPROVEMENTS

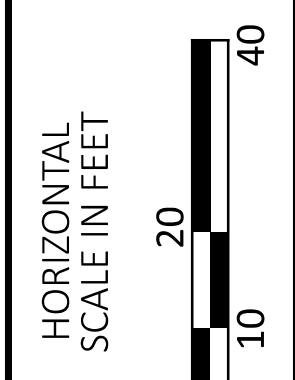
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SEE SHEET 30 FOR FRANKLIN ST.

SEE SHEET 31 FOR FRANKLIN ST.

SEE SHEET 29 FOR PAVEMENT MARKING AND SIGNING LEGEND



**TRAFFIC CONTROL PLAN
 STA. 26+00 TO STA. 31+00**

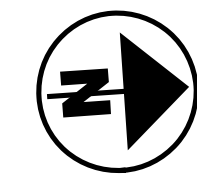
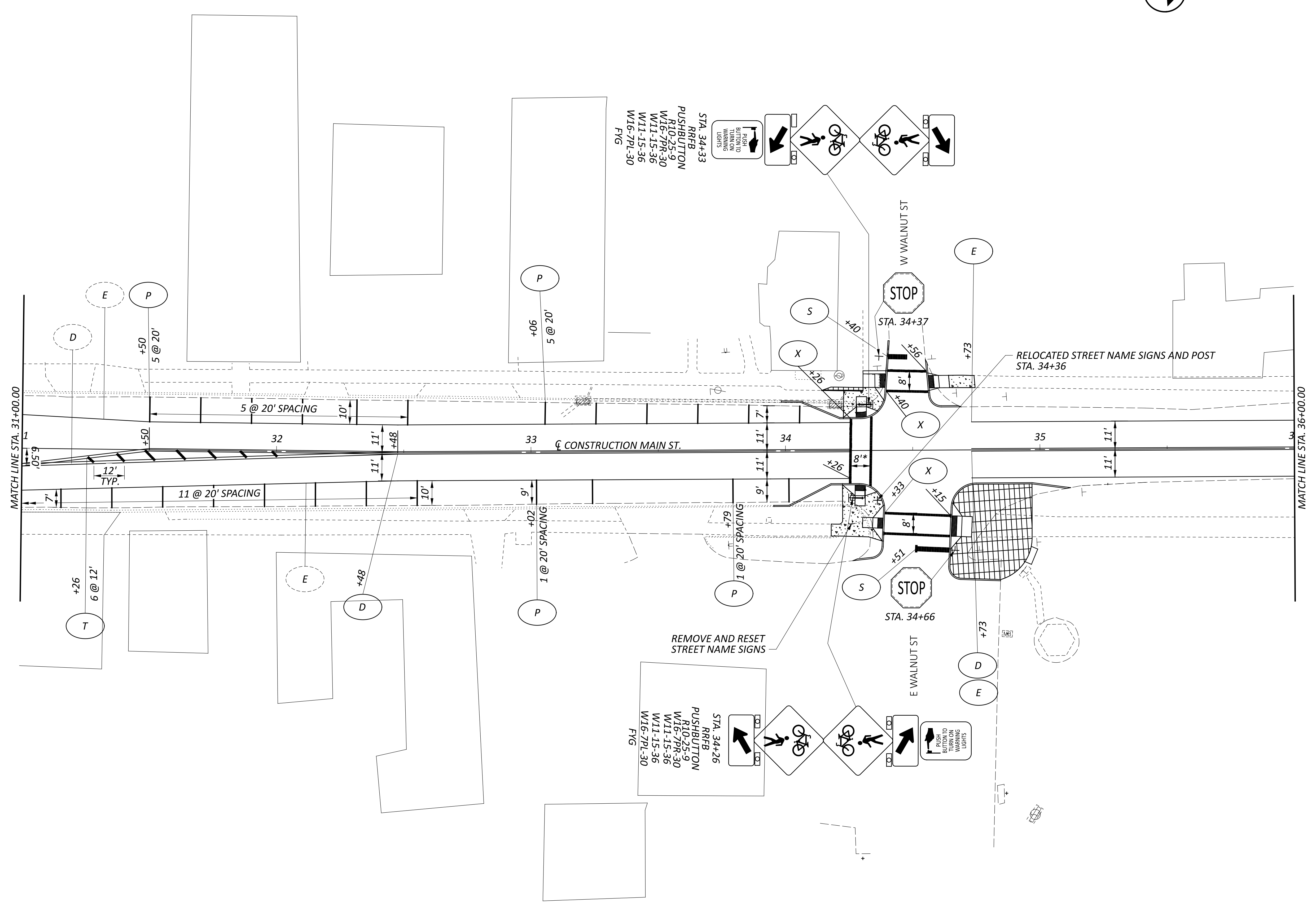
DESIGN AGENCY



DESIGNER	AA
REVIEWER	BMG 07/19/23
PROJECT ID	125940
SHEET	TOTAL
37	47

FRANKLIN AND MAIN STREET IMPROVEMENTS

MODEL: 125940_TP205_PAPER SIZE: 34x22 (in.) DATE: 8/11/2023 TIME: 2:33:51 PM USER: bgessel
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SEE SHEET 29 FOR PAVEMENT MARKING AND SIGNING LEGEND

*PLACE 12" CROSSWALK LINE ON PERIMETER OF TRAFFIC PATTERNS XD ENHANCED CROSSWALK

TRAFFIC CONTROL PLAN
 STA. 31+00.00 - STA. 36+00.00

DESIGN AGENCY

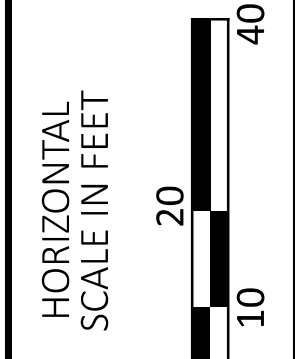
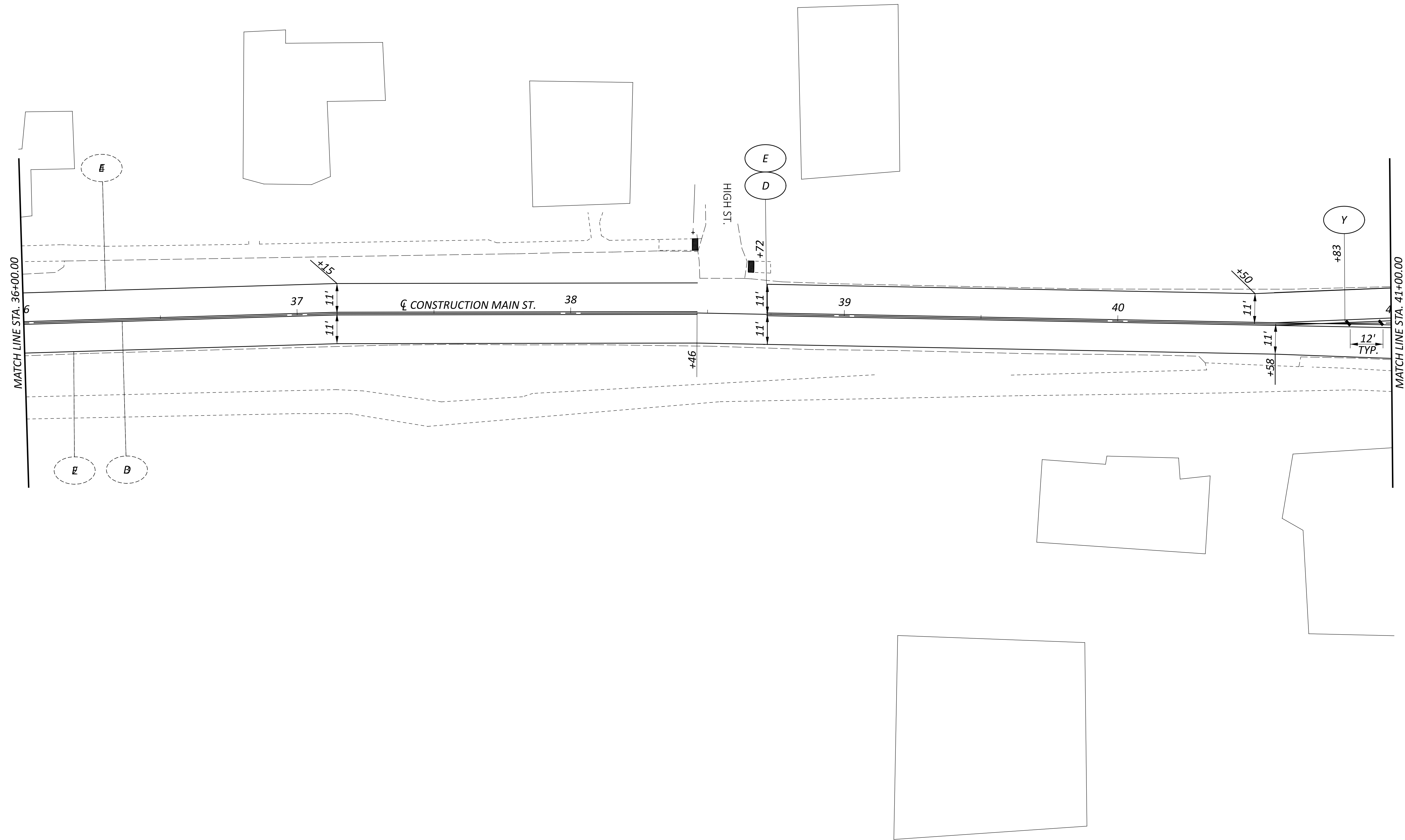


DESIGNER	AA
REVIEWER	BMG 07/19/23
PROJECT ID	125940
SHEET	TOTAL
38	47

FRANKLIN AND MAIN STREET IMPROVEMENTS

MODEL: 125940_TP206 PAPER SIZE: 34x22 (in.) DATE: 8/11/2023 TIME: 2:33:52 PM USER: bgressel
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SEE SHEET 29 FOR PAVEMENT MARKING AND SIGNING LEGEND



**TRAFFIC CONTROL PLAN
 STA. 36+00 TO STA. 41+00**

DESIGN AGENCY



DESIGNER
 AA

REVIEWER
 BMG 07/19/23

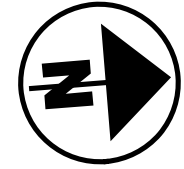
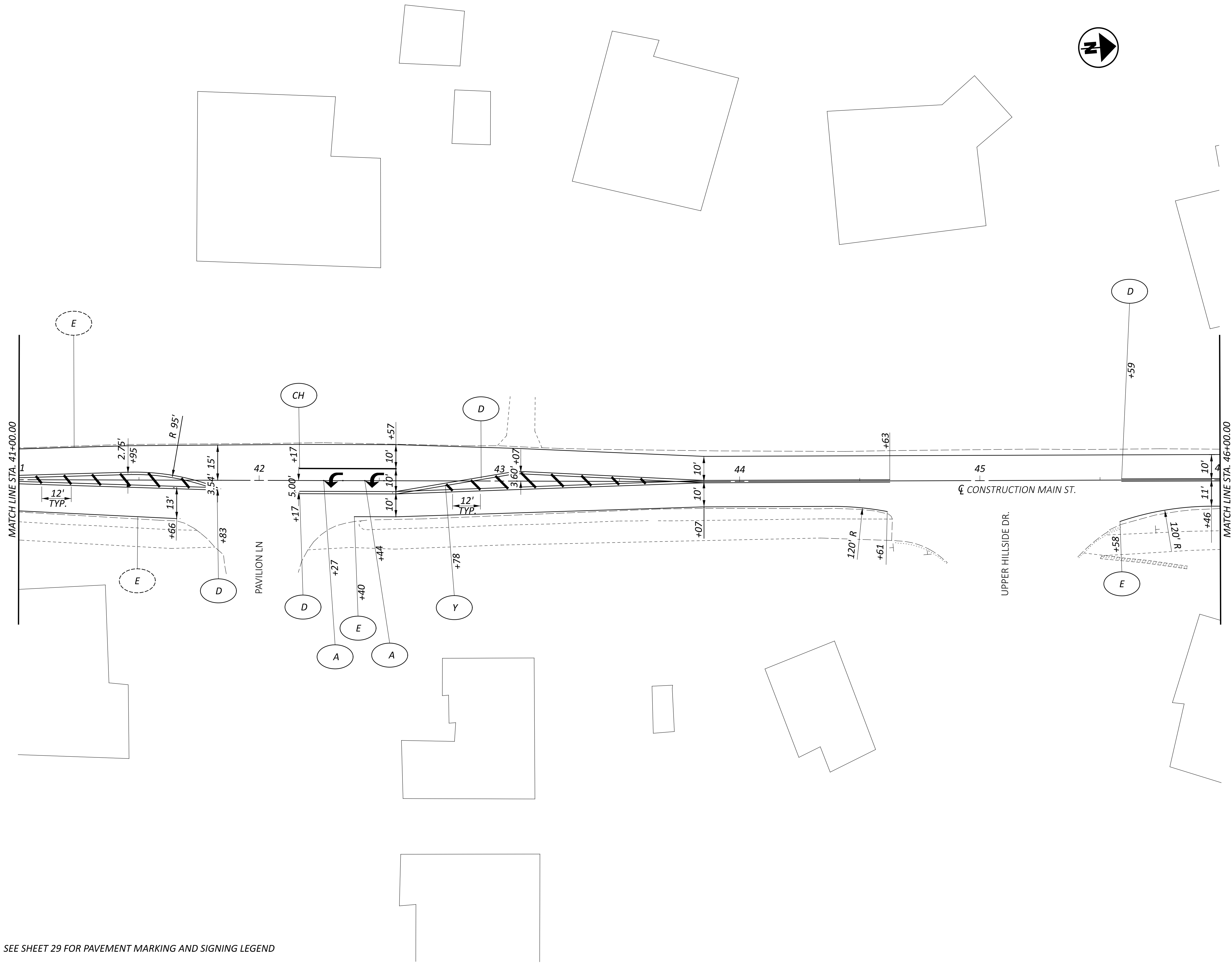
PROJECT ID
 125940

SHEET	TOTAL
39	47

FRANKLIN AND MAIN STREET IMPROVEMENTS

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SEE SHEET 29 FOR PAVEMENT MARKING AND SIGNING LEGEND



**TRAFFIC CONTROL PLAN
 STA. 41+00 TO STA. 46+00**

DESIGN AGENCY



DESIGNER
AA

REVIEWER
BMG 07/19/23

PROJECT ID
125940

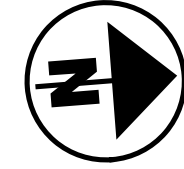
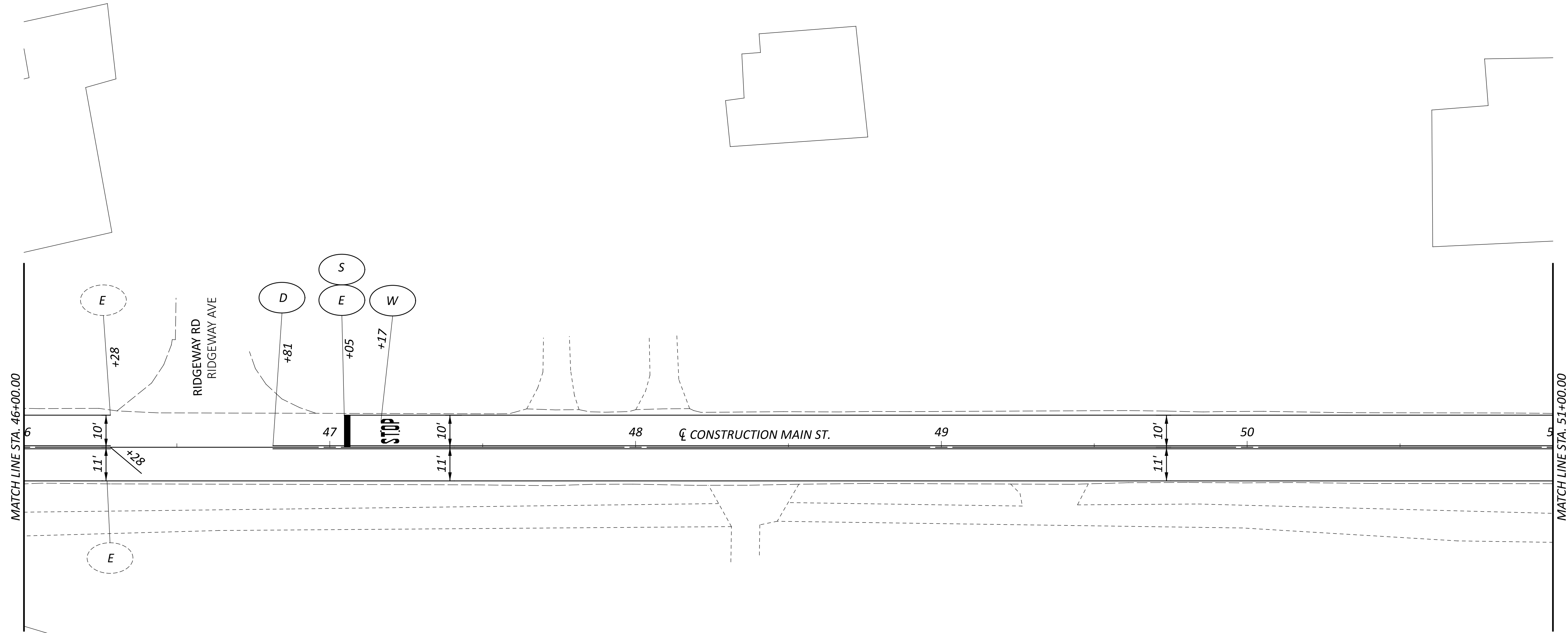
SHEET TOTAL
40 47



FRANKLIN AND MAIN STREET IMPROVEMENTS

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SEE SHEET 29 FOR PAVEMENT MARKING AND SIGNING LEGEND



**TRAFFIC CONTROL PLAN
 STA. 46+00 TO STA. 51+00**

DESIGN AGENCY

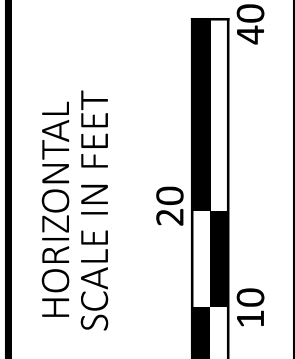


DESIGNER
AA

REVIEWER
BMG 07/19/23

PROJECT ID
125940

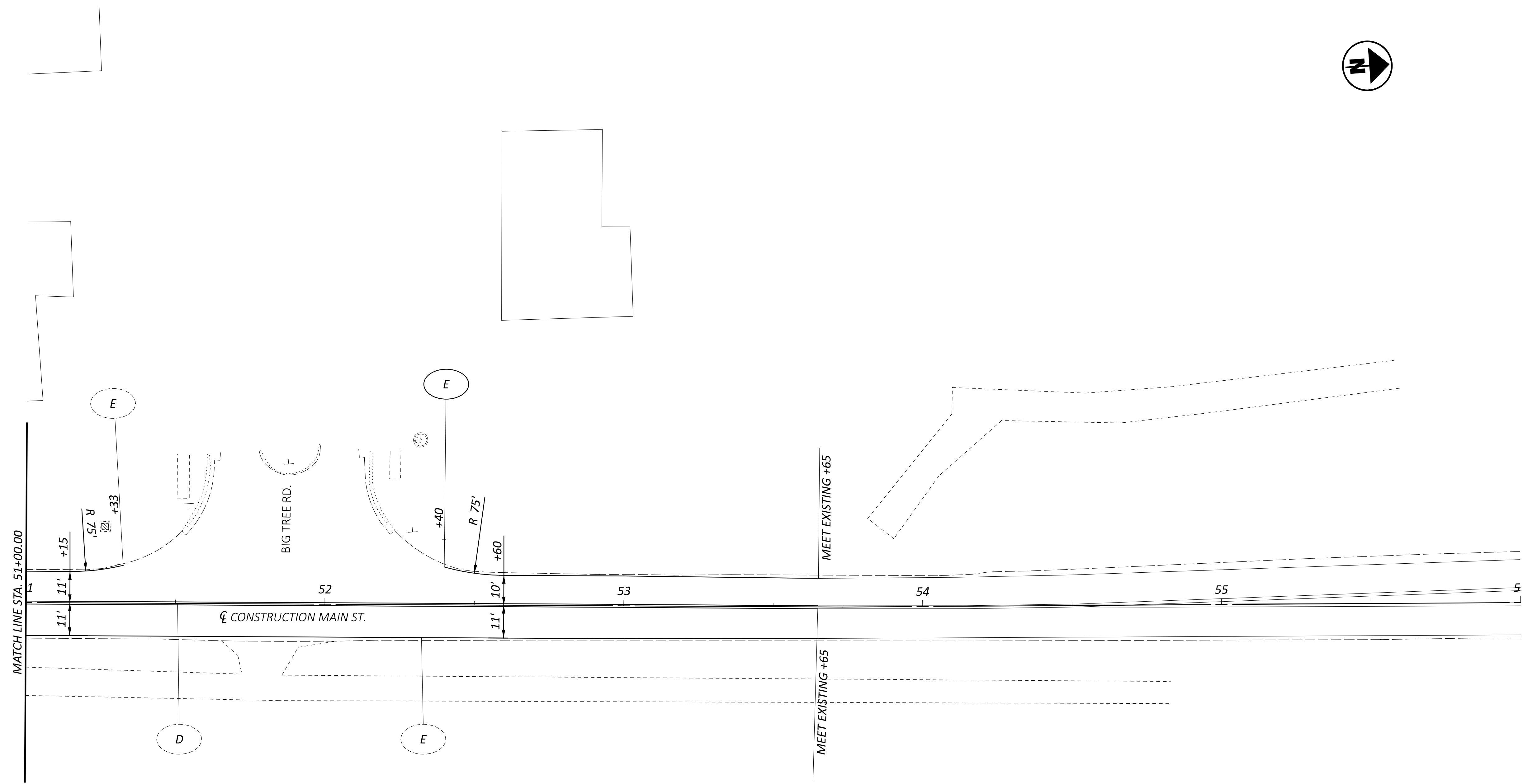
SHEET	TOTAL
41	47



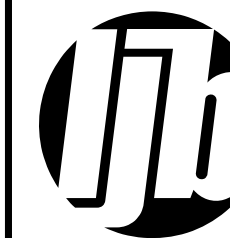
FRANKLIN AND MAIN STREET IMPROVEMENTS

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SEE SHEET 29 FOR PAVEMENT MARKING AND SIGNING LEGEND



DESIGN AGENCY



DESIGNER
AA

REVIEWER
BMG 07/19/23

PROJECT ID
125940

SHEET	TOTAL
42	47

TRAFFIC CONTROL PLAN
 STA. 51+00 TO STA. 53+65

HORIZONTAL
 SCALE IN FEET



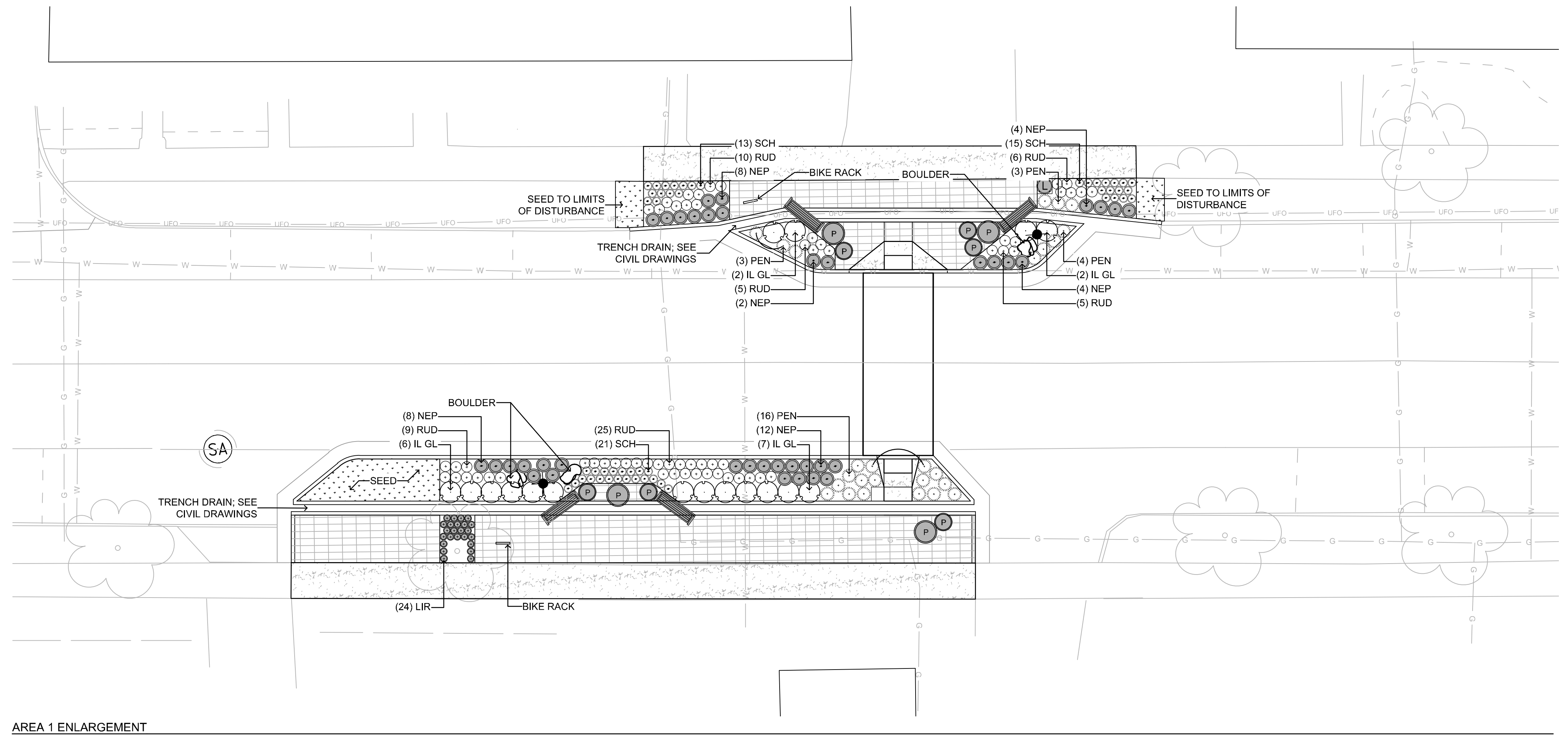
KEY	ITEM	UNIT	DESCRIPTION	SIZE	QTY.	COMMON NAME	SPACING
	659E10001	SF	SEEDING, AS PER PLAN		150	TURF SEED	
	661E00501	CY	MULCH, AS PER PLAN		4	MULCH	
LIR	661E14001	EACH	PERENNIALS (LIRIOPE MUSCARI), AS PER PLAN	#1 CONT.	24	LIRIOPE	12" O.C.
NEP	661E14001	EACH	PERENNIALS (NEPETA FAASSENII 'CATS MEOW'), AS PER PLAN	#1 CONT.	38	CATS MEOW CATMINT	24" O.C.
SCH	661E14001	EACH	PERENNIALS (SCHIZACHYRIUM SCOPARIUM), AS PER PLAN	#1 CONT.	49	LITTLE BLUESTEM	15" O.C.
PEN	661E14001	EACH	PERENNIALS (PENNISSETUM ALOPECUROIDES 'HAMELN'), AS PER PLAN	#2 CONT.	26	DWARF FOUNTAIN GRASS	24" O.C.
RUD	661E14001	EACH	PERENNIALS (RUDBECKIA FULGIDA 'GOLDSTURM'), AS PER PLAN	#1 CONT.	60	BLACK EYED SUSAN	24" O.C.
IL GL	661E30070	EACH	EVERGREEN SHRUB (ILEX GLABRA 'STRONGBOX'), AS PER PLAN	B&B; 18" HT	17	STRONGBOX INKBERRY HOLLY	36" O.C.
	690E98700	CY	BACKFILL MIX		35.5	BACKFILL MIX	

KEY MAP: 1" = 200' - 0"



LEGEND

- TURF SEED
- CONCRETE, SEE CIVIL DRAWINGS
- PAVERS, SEE CIVIL DRAWINGS
- EXISTING TREE TO REMAIN
- SHRUBS & PERENNIALS, SEE DETAILS 2-5 / SHEET 3
- PROPOSED LIGHT POLE LOCATION; NOT INSTALLED IN THIS PHASE
- ITEM 690E98000 SPECIAL - BENCH, SEE DETAIL 4/ SHEET 46
- ITEM 690E98000 SPECIAL - PLANTER, SEE DETAIL 1/ SHEET 46
- ITEM 680E14550 SPECIAL - TRASH RECEPTACLE, SEE DETAIL 2/ SHEET 46
- ITEM 690E50560 SPECIAL - BIKE RACK, SEE DETAIL 3/ SHEET 46
- ITEM 690E98000 SPECIAL - BOULDER, SEE DETAIL 6/ SHEET 45



LANDSCAPE & MATERIALS PLAN

REF NO.	SHEET NO.	STATION TO STATION	659		661		661		661		661		661		661		690		690		690		690	
			SY	CY	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA
1		TO	17	4	24	38	49	28	60	17	26		4	6	4	1	2	3						
2			53	3	57	21	36	21	38	8	21		1	4	2		1	0						
TOTALS			70	7	81	59	85	47	98	25	47		5	10	6	1	3	3						


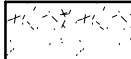
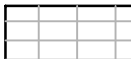








DESIGN AGENCY

THE KLEINGERS GROUP
CIVIL ENGINEERING SURVEYING LANDSCAPE ARCHITECTURE
www.kleingers.com
1225 Centre Plaza Pl. Suite 2000 - 081000
01/15/2023

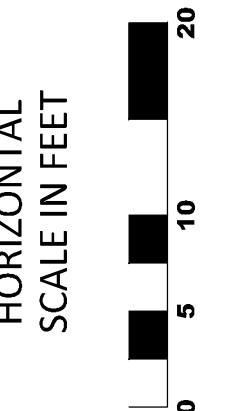
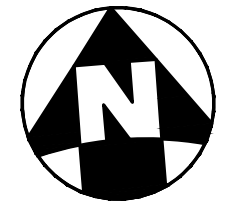
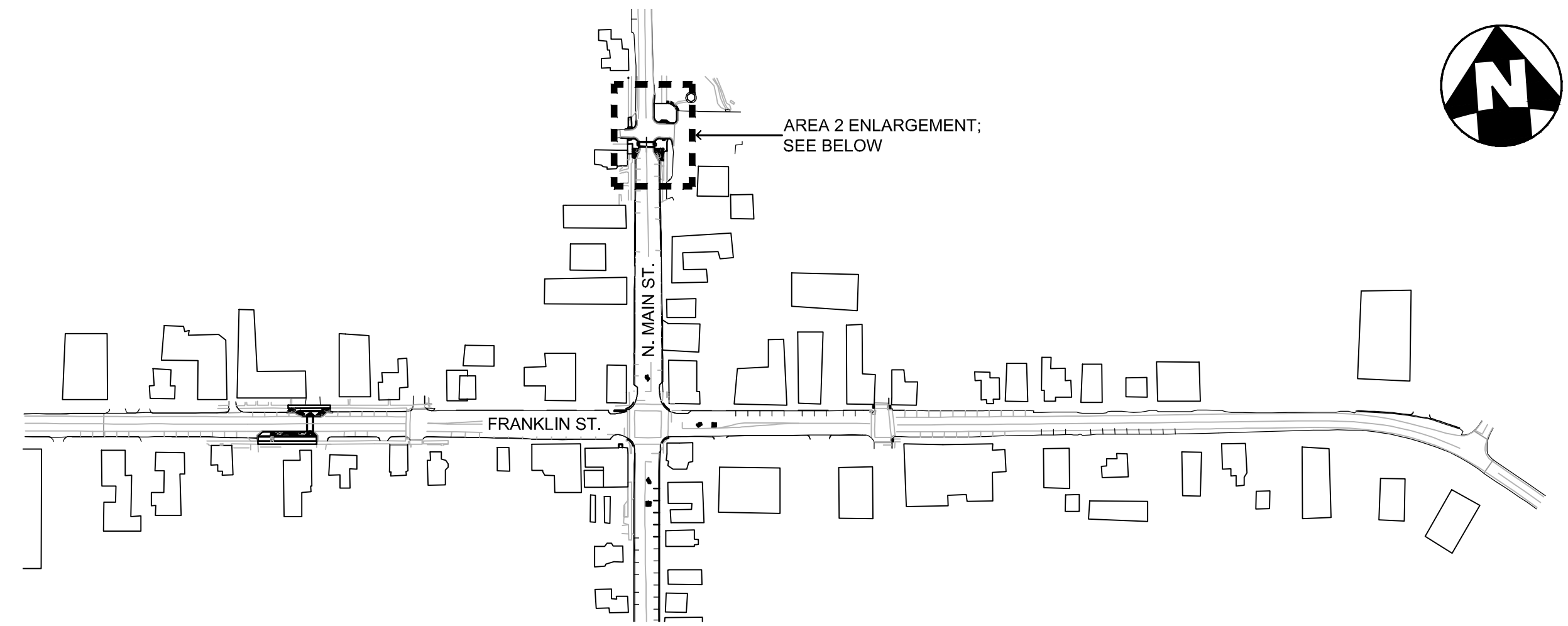
DESIGNER
NTH
 REVIEWER
BMG 08-11-23
 PROJECT ID
125940
 SHEET TOTAL
43 47

KEY	ITEM	UNIT	DESCRIPTION	SIZE	QTY.	COMMON NAME	SPACING
	659E10001	SF	SEEDING, AS PER PLAN		620	TURF SEED	
	661E00501	CY	MULCH, AS PER PLAN		3	MULCH	
LIR	661E14001	EACH	PERENNIALS (LIRIOPE MUSCARI), AS PER PLAN	#1 CONT.	57	LIRIOPE	18" O.C.
NEP	661E14001	EACH	PERENNIALS (NEPETA FAASSENII), AS PER PLAN	#1 CONT.	21	CATMINT	24" O.C.
SCH	661E14001	EACH	PERENNIALS (SCHIZACHYRIUM SCOPARIUM), AS PER PLAN	#1 CONT.	36	LITTLE BLUESTEM	24" O.C.
PEN	661E14001	EACH	PERENNIALS (PENNISSETUM ALOPECUROIDES 'HAMELN'), AS PER PLAN	#2 CONT.	21	DWARF FOUNTAIN GRASS	24" O.C.
RUD	661E14001	EACH	PERENNIALS (RUDBECKIA FULGIDA 'GOLDSTURM'), AS PER PLAN	#1 CONT.	38	BLACK EYED SUSAN	24" O.C.
IL GL	661E30070	EACH	EVERGREEN SHRUB (ILEX GLABRA 'STRONGBOX'), AS PER PLAN	B&B	8	STRONGBOX INKBERRY HOLLY	36" O.C.
	690E98700	CY	BACKFILL MIX		25	BACKFILL MIX	

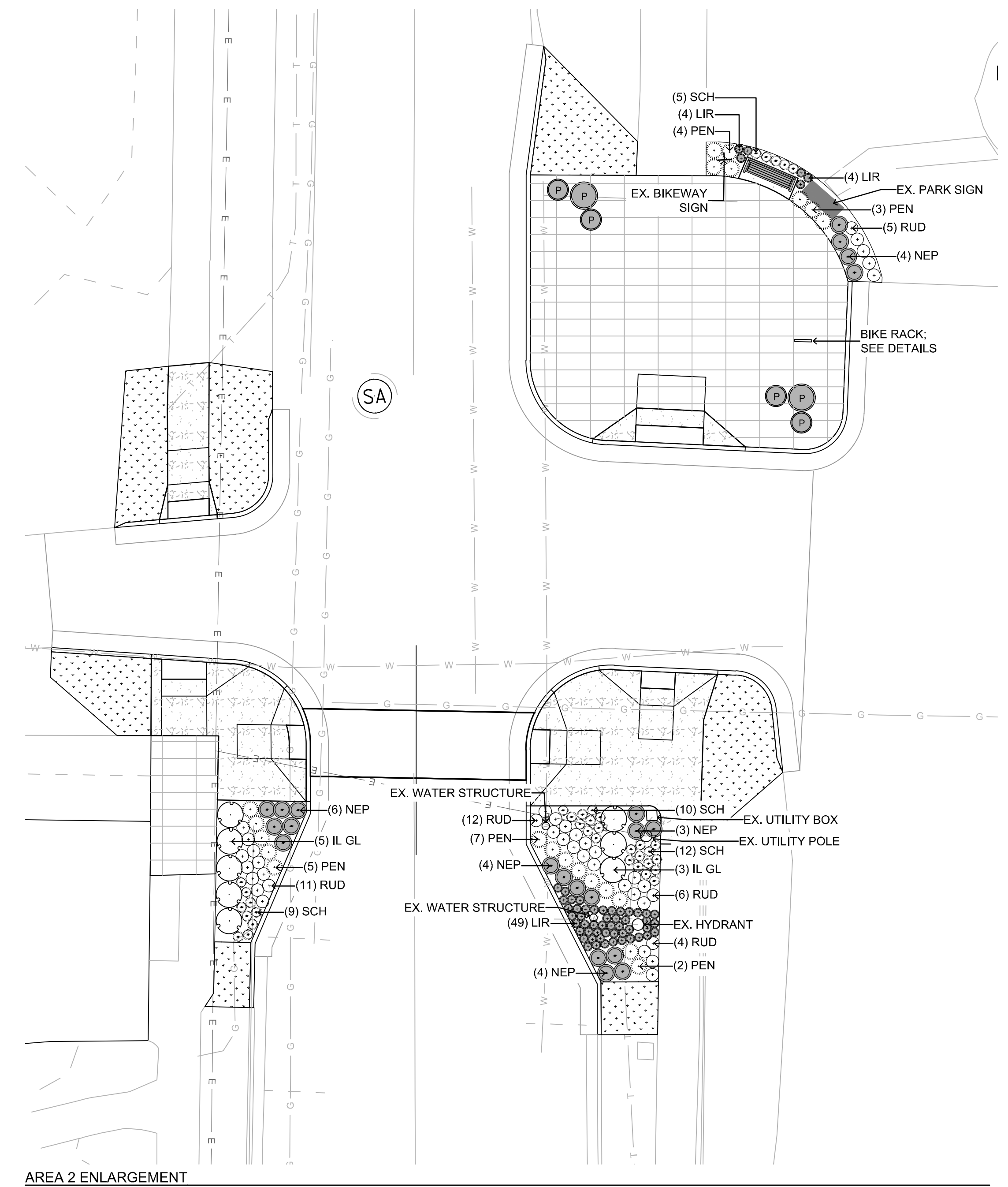
LEGEND

-  TURF SEED
-  CONCRETE, SEE CIVIL DRAWINGS
-  PAVERS, SEE CIVIL DRAWINGS
-  EXISTING TREE TO REMAIN
-  SHRUBS & PERENNIALS, SEE DETAILS 2-5 / SHEET 3
-  PROPOSED LIGHT POLE LOCATION; NOT INSTALLED IN THIS PHASE
-  ITEM 690E98000 SPECIAL - BENCH, SEE DETAIL 4/ SHEET 46
-  ITEM 690E98000 SPECIAL - PLANTER, SEE DETAIL 1/ SHEET 46
-  ITEM 680E14550 SPECIAL - TRASH RECEPTACLE, SEE DETAIL 2/ SHEET 46
-  ITEM 690E50560 SPECIAL - BIKE RACK, SEE DETAIL 3/ SHEET 46
-  ITEM 690E98000 SPECIAL - BOULDER, SEE DETAIL 6/ SHEET 45

KEY MAP: 1" = 200' - 0"

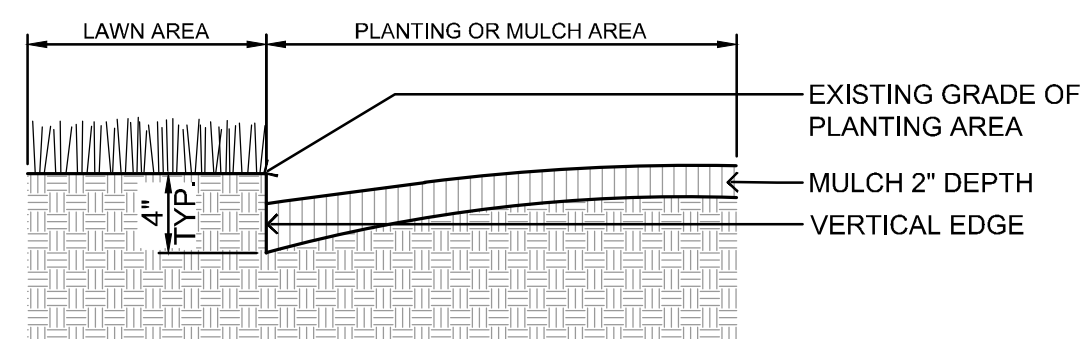


LANDSCAPE & MATERIALS PLAN

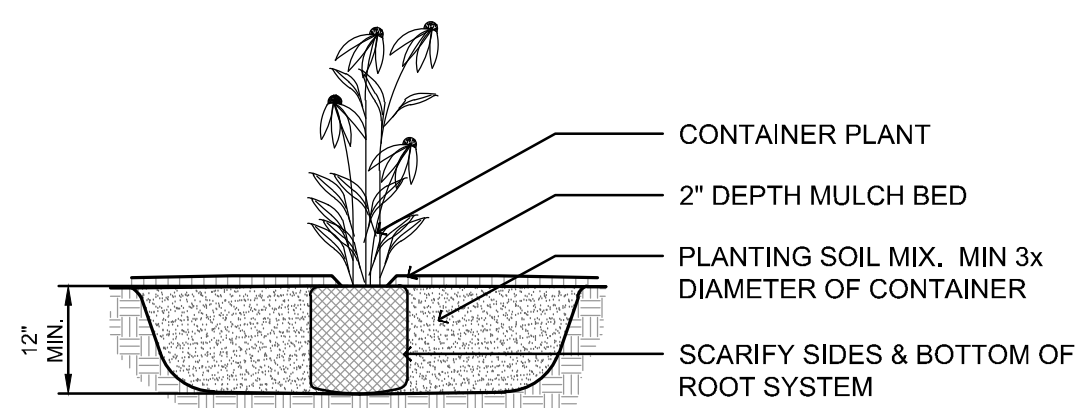


AREA 2 ENLARGEMENT

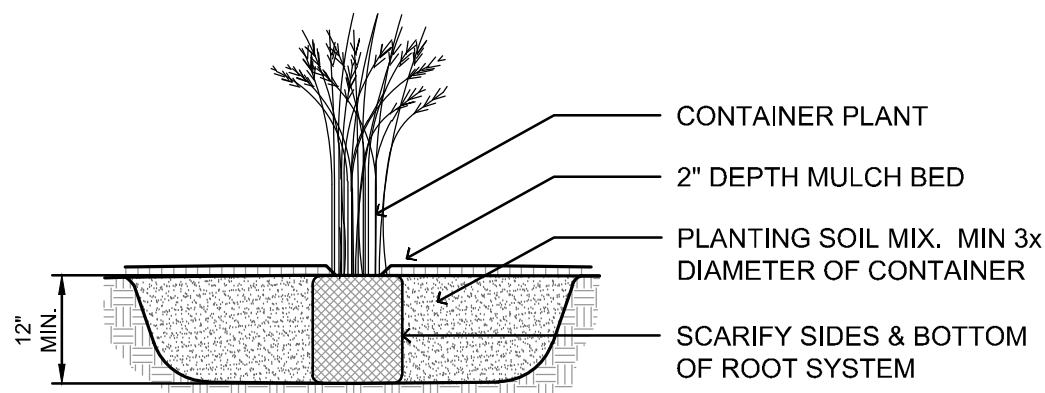
DESIGN AGENCY	
DESIGNER	NTH
REVIEWER	BMG 08-11-23
PROJECT ID	125940
SHEET	TOTAL
44	47



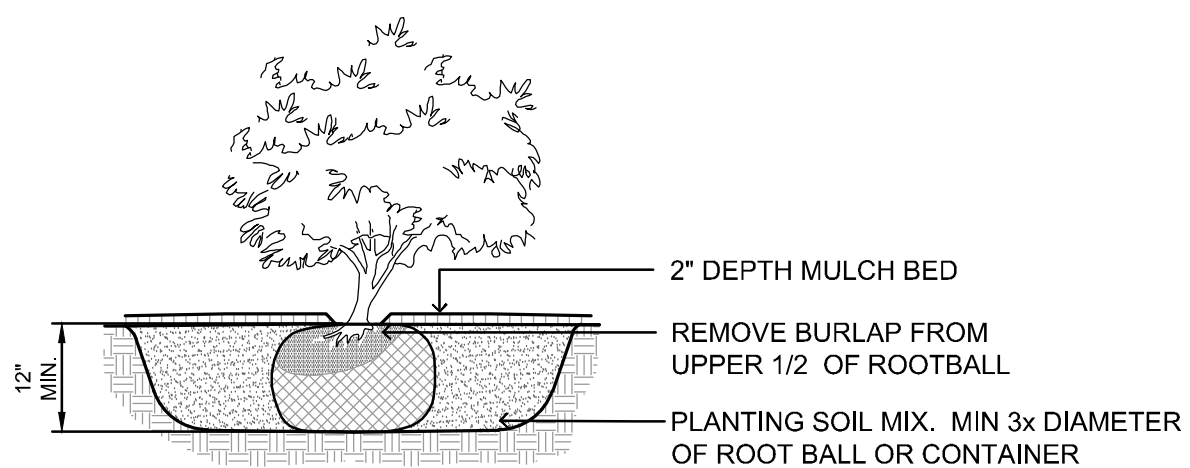
1 PLANTING BED EDGING DETAIL
N.T.S.



2 PERENNIAL PLANTING
N.T.S.



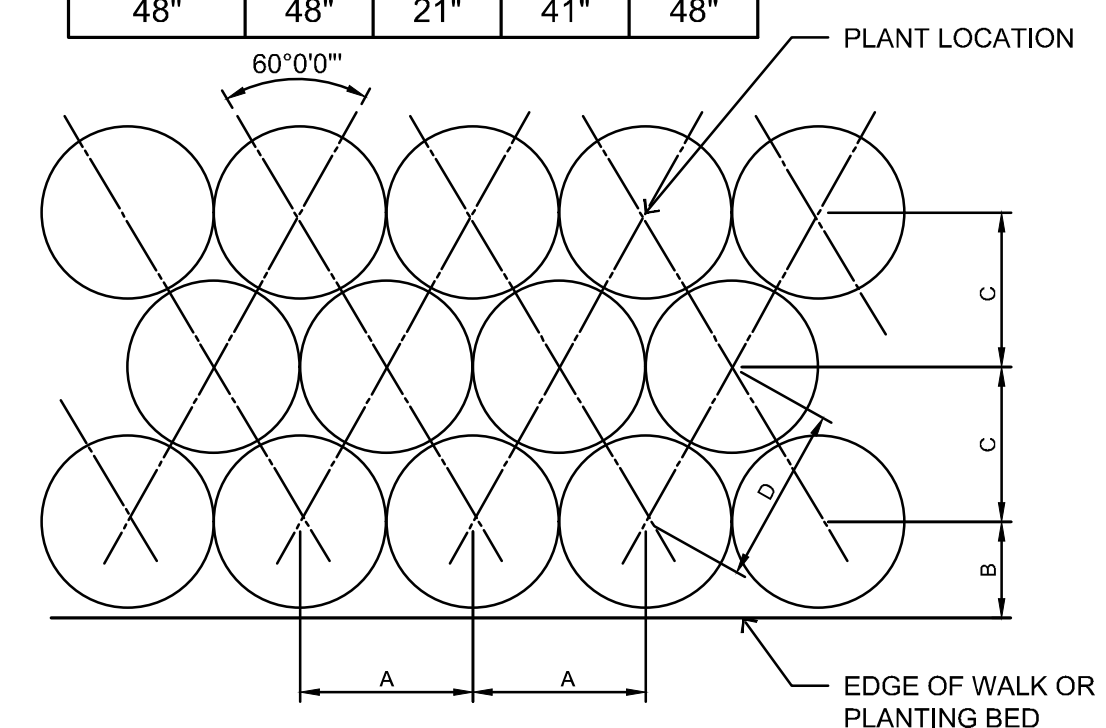
3 ORNAMENTAL GRASS PLANTING
N.T.S.



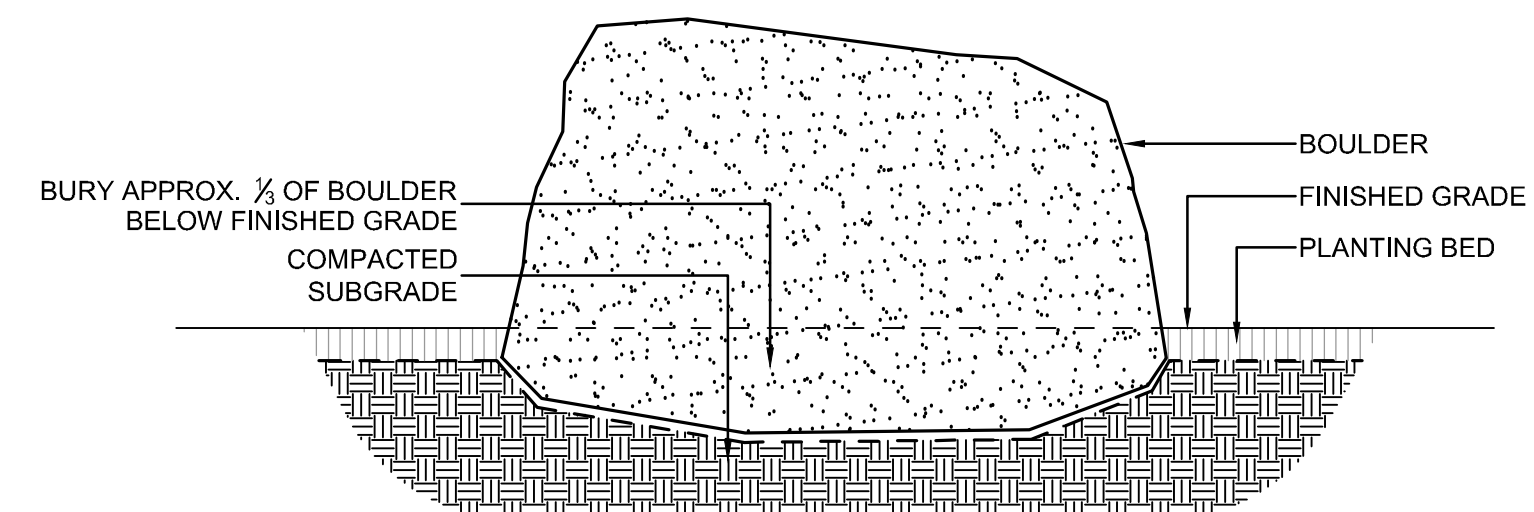
4 SHRUB PLANTING
N.T.S.

SPACING	A	B	C	D
12"	12"	6"	10"	12"
18"	18"	8"	15"	18"
24"	24"	10"	20"	24"
30"	30"	15"	25"	30"
36"	36"	18"	31"	36"
48"	48"	21"	41"	48"

A = SPACING
B = SP/2
C = SP/1.2
D = SPACING



5 PERENNIAL SPACING
N.T.S.



NOTES:

- BOULDERS SHALL BE LIMESTONE FROM LOCAL SUPPLIER.
- BOULDER SIZE SHALL RANGE FROM 24" - 36".
- BOULDERS SHALL HAVE A NATURAL SHAPE.

6 LIMESTONE BOULDER
NTS

PLANTING NOTES

- EACH CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING UTILITIES.
- CONTRACTOR SHALL VERIFY ALL PLANTING CONDITIONS FOR OBSTRUCTIONS, EXISTING TREE CANOPY COVERAGE, AND OVERHEAD ELECTRICAL POWER LINES PRIOR TO PLANTING. IF ADVERSE PLANTING CONDITIONS ARE OBSERVED, CONTACT THE OWNERS REPRESENTATIVE IMMEDIATELY.
- ALL SHRUB MASSES TO BE INCORPORATED BY A CONTINUOUS MULCH BED TO LIMITS SHOWN AND AS SPECIFIED. MULCH BEDS TO HAVE A NEAT, EDGED APPEARANCE.
- SUBSURFACE IMPROVEMENTS SHALL BE OBSERVED. THE CONTRACTOR SHALL CONTACT THE OHIO UTILITIES PROTECTION SERVICE (OUPS) 48 HOURS PRIOR TO ANY EXCAVATION OR DIGGING TO ENSURE THE LOCATION OF UNDERGROUND UTILITIES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT SUCH UNDERGROUND UTILITIES.
- ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE FINE GRADED AND SEEDED.
- ALL TREES WITHIN A SPECIES SHALL HAVE MATCHING FORM.
- THE CONTRACTOR SHALL ENSURE THAT ALL NEWLY PLANTED TREES ARE PERFECTLY ALIGNED AND SET PLUMB WITH PROPER RELATIONSHIP TO THE SURROUNDING GRADE. CONFIRM FINISHED GRADE PRIOR TO PLANTING.
- ALL PLANT MATERIAL SHALL BE OF THE SIZE AND TYPE SPECIFIED. IF SUBSTITUTIONS ARE APPROVED BY THE OWNER'S REPRESENTATIVE, THE SIZE AND GRADING STANDARDS SHALL CONFORM TO THOSE OF THE AMERICAN ASSOCIATION OF NURSERYMEN.

DESIGN AGENCY

DESIGNER

NTH

REVIEWER

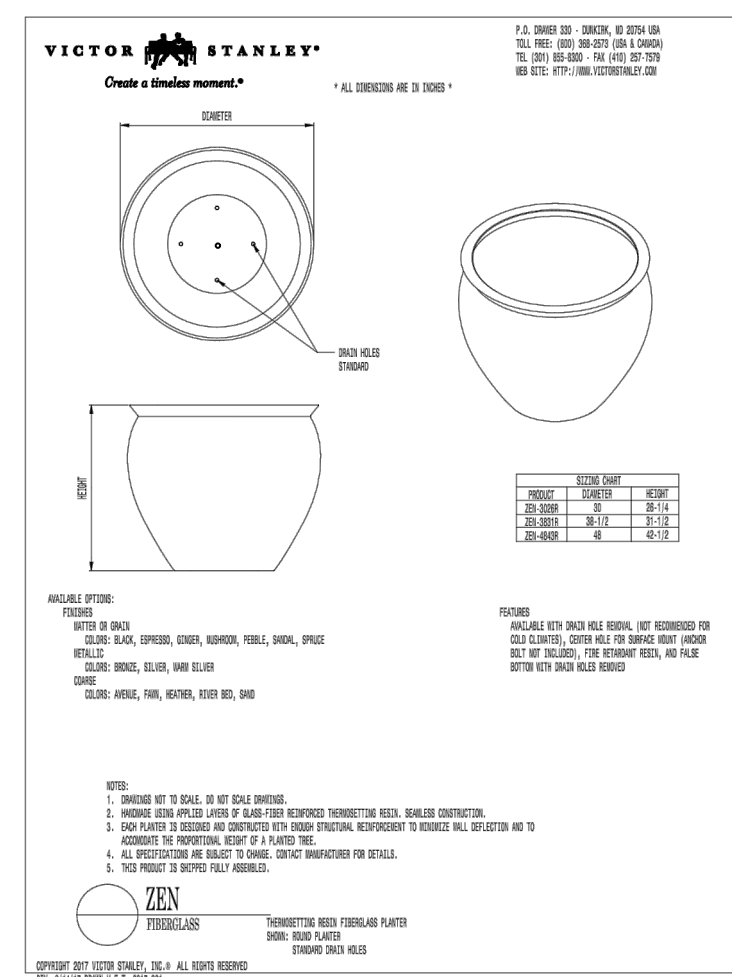
BMG 08-11-23

PROJECT ID

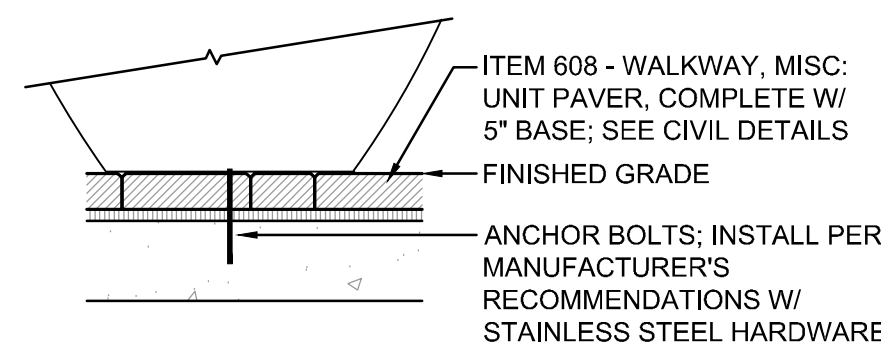
125940

SHEET TOTAL

45 47

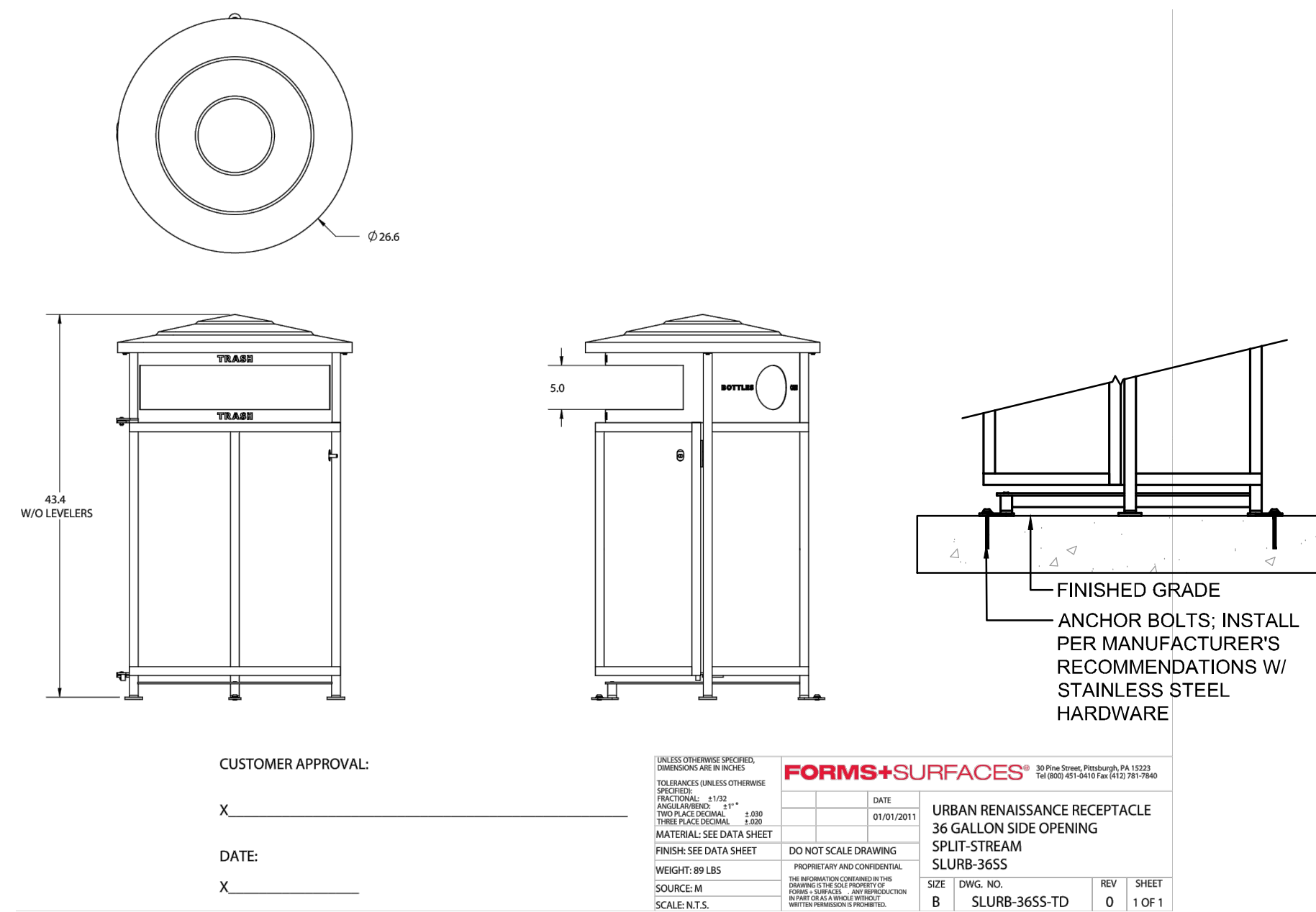


NOTES:
1. SURFACE MOUNT PLANTER WITH STAINLESS STEEL HARDWARE. PROVIDE ANCHORS OF SUFFICIENT LENGTH TO ATTACH INTO CONCRETE BASE BENEATH UNIT PAVERS.



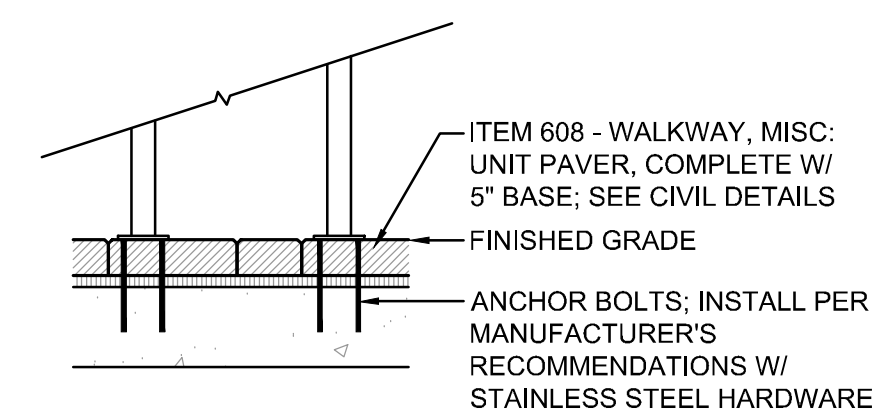
PLANTER
ZEN FIBERGLASS PLANTER
MODEL: ZEN-2418R, ZEN-3831R
FINISH: GRAIN
COLOR: SANDAL
FEATURES: CENTER HOLE FOR SURFACE MOUNT
VICTOR STANLEY
2103 DUNKIRK, MD 20754
800.368.2573

① ITEM 690 SPECIAL - PLANTER
N.T.S.



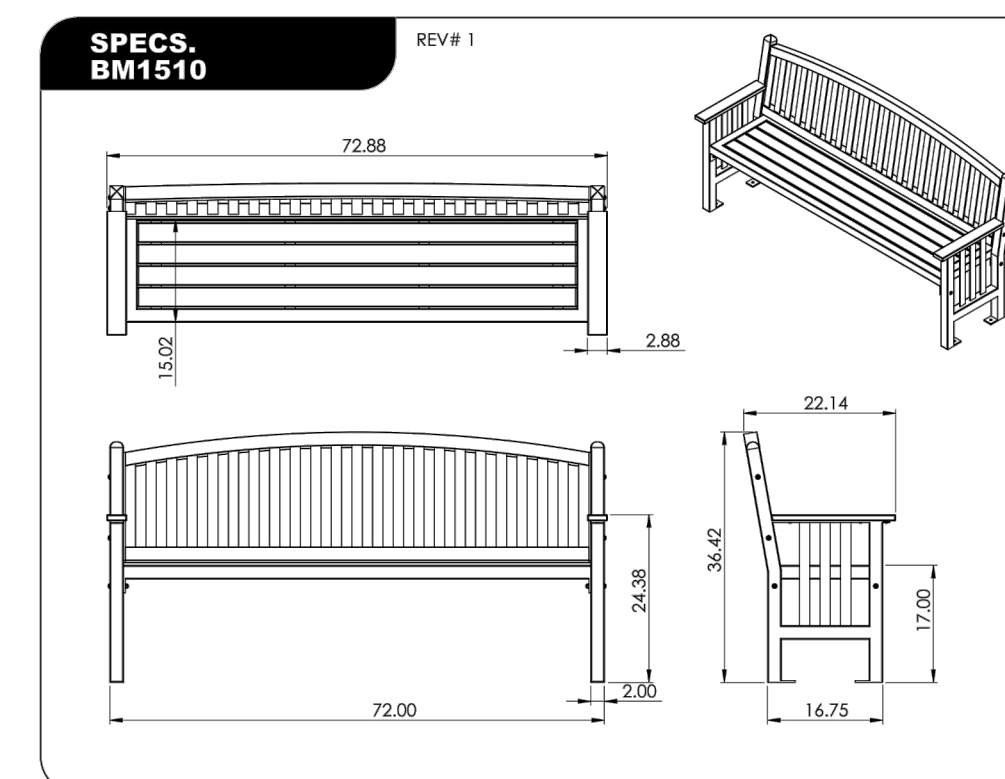
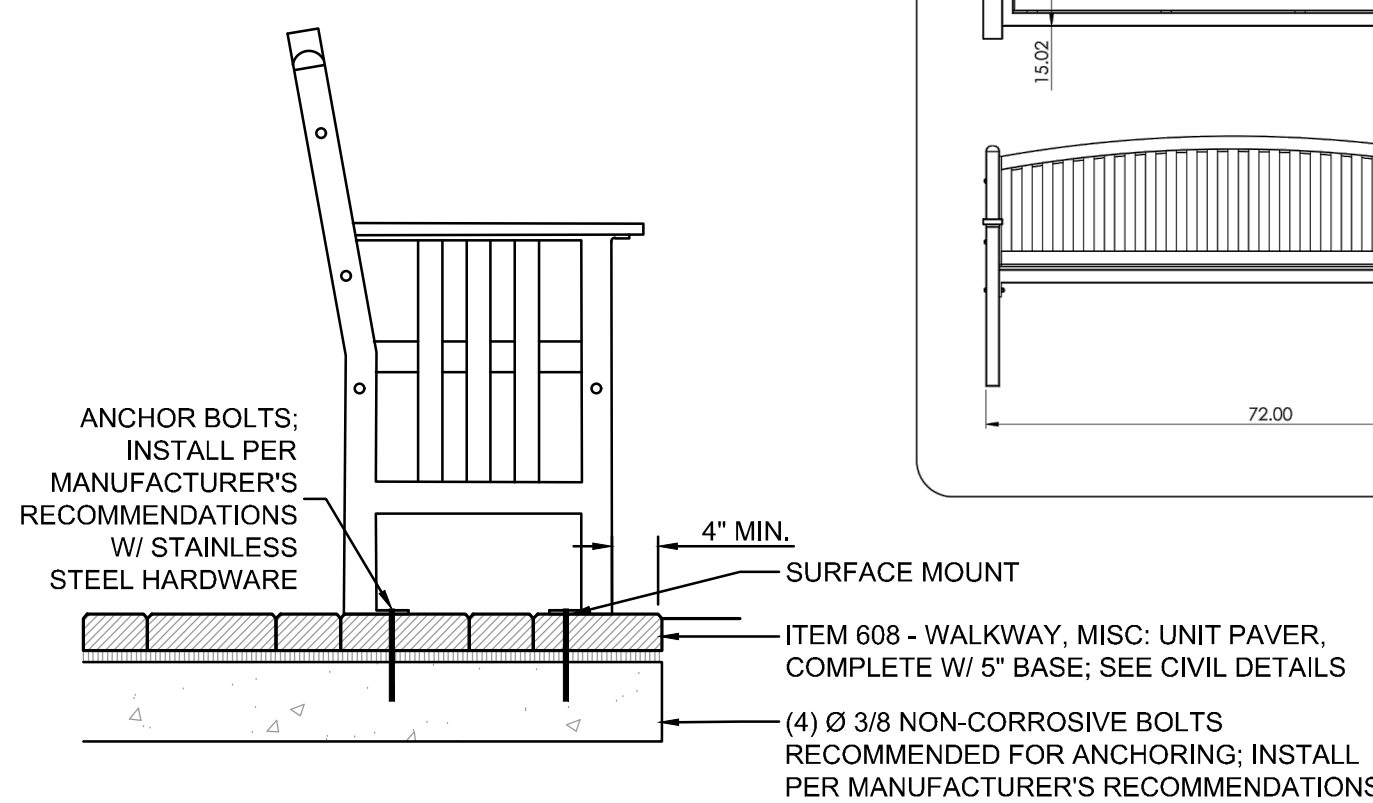
② ITEM 680 SPECIAL - TRASH RECEPTACLE
N.T.S.

NOTES:
1. SURFACE MOUNT BIKE RACK WITH STAINLESS STEEL HARDWARE. PROVIDE ANCHORS OF SUFFICIENT LENGTH TO ATTACH INTO CONCRETE BASE BENEATH UNIT PAVERS.
2. EXISTING BIKE RACKS TO BE PROVIDED BY OWNER AND INSTALLED BY CONTRACTOR.



③ ITEM 690 SPECIAL - BICYCLE RACK
N.T.S.

NOTES:
1. SURFACE MOUNT BENCHES WITH STAINLESS STEEL HARDWARE. PROVIDE ANCHORS OF SUFFICIENT LENGTH TO ATTACH INTO CONCRETE BASE BENEATH UNIT PAVERS.
2. TO MATCH EXISTING BENCHES IN DOWNTOWN BELLBROOK



④ ITEM 690 SPECIAL - BENCH
N.T.S.

DESIGN AGENCY

DESIGNER
NTH
REVIEWER
BMG 08-11-23
PROJECT ID
125940
SHEET TOTAL
46 47

GENERAL NOTES

1. EACH CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING UTILITIES.
2. SUBSURFACE IMPROVEMENTS SHALL BE OBSERVED. THE CONTRACTOR SHALL CONTACT THE OHIO UTILITIES PROTECTION SERVICE (OUPS) 48 HOURS PRIOR TO ANY EXCAVATION OR DIGGING TO ENSURE THE LOCATION OF UNDERGROUND UTILITIES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT SUCH UNDERGROUND UTILITIES.
3. ALL CONCRETE FORMS SHALL BE FIELD STAKED AND APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO CONCRETE INSTALLATION.
4. ALL HORIZONTAL AND VERTICAL LAYOUT SHALL BE REVIEWED BY THE OWNER'S REPRESENTATIVE TO ENSURE GENERAL CONFORMANCE PRIOR TO CONSTRUCTION.
5. PROVIDE ISOLATION JOINT WHERE CONCRETE PAVING ABUTS BUILDINGS, COLUMNS, AND STRUCTURES. VERIFY COLOR OF SEALANT WITH OWNER'S REPRESENTATIVE.
6. CONTRACTOR SHALL NOT WILLFULLY PROCEED WITH CONSTRUCTION AS DESIGNED WHEN IT IS OBVIOUS THAT UNKNOWN OBSTRUCTIONS, AREA DISCREPANCIES AND/OR GRADE DIFFERENCES EXIST THAT MAY NOT HAVE BEEN KNOWN DURING DESIGN. SUCH CONDITIONS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL NECESSARY REVISIONS DUE TO FAILURE TO GIVE SUCH NOTIFICATIONS.
7. CONTRACTOR SHALL BE RESPONSIBLE TO CONSULT WITH SITE SUPERINTENDENT, APPROPRIATE AGENCIES, AND PLANS FOR LOCATION OF ALL UNDERGROUND UTILITIES, PIPES, AND STRUCTURES.
8. CONTRACTOR TO REPORT TO ENGINEER ANY ADDITIONAL UTILITY LINES FOUND DURING CONSTRUCTION.

GENERAL REQUIREMENTS

PER JANUARY 1, 2019 ODOT CONSTRUCTION & MATERIAL SPECIFICATIONS MANUAL ALL PLANT MATERIALS, TURF GRASS, AND PLANTING OPERATIONS TO MEET OR EXCEED STANDARDS SET OUT IN ODOT ITEMS 659, 661, & 662, UNLESS OTHERWISE NOTED. CONTRACTOR SHALL PROVIDE AN ONA (OHIO NURSERYMAN'S ASSOCIATION) CERTIFIED LANDSCAPE TECHNICIAN TO SUPERVISE THE PLANTING OPERATIONS.

PERIOD OF ESTABLISHMENT

MAINTENANCE:

DURING PLANTING: MAINTENANCE SHALL BEGIN IMMEDIATELY AFTER EACH PLANT IS PLANTED AND SHALL CONTINUE FOR A PERIOD OF ONE YEAR AFTER COMPLETION OF PROJECT. PLANTS SHALL BE WATERED, MULCHED AND PRUNED, WEED GROWTH CONTROLLED, AND OTHERWISE MAINTAINED AS NEEDED DURING THE WARRANTY PERIOD. SETTLED PLANTS SHALL BE RAISED AND STRAIGHTENED. IF STAKING OR GUY WIRES ARE USED, THEY SHALL BE TIGHTENED AND REPAIRED.

WARRANTY:

THE CONTRACTOR SHALL WARRANTY ALL PLANTS TO BE IN SATISFACTORY GROWING CONDITION AND TO LIVE FOR A PERIOD OF ONE YEAR FROM COMPLETION OF PROJECT. ALL PLANTS INSTALLED PRIOR TO DECEMBER 31ST SHALL BE GUARANTEED TO BREAK INTO GROWTH (NOT JUST BUD BREAK) AND 2ND SPRING. PLANTS THAT ARE MORE THAN 25 PERCENT DEAD OR IN AN UNHEALTHY CONDITION WILL BE REPLACED AS MANY TIMES AS NECESSARY DURING THE ONE YEAR MAINTENANCE BOND. COMPLY WITH ODOT ITEM 661.

ADDITIONALLY, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO WATER AND PERFORM ANY MAINTENANCE AS NECESSARY FOR THE CONTINUOUS VIGOR OF THE PLANTS DURING THE WARRANTY PERIOD. THE COST OF WATERING AND MAINTENANCE WILL BE AT THE SOLE COST OF THE CONTRACTOR. CONTRACTOR MUST COORDINATE WITH THE CITY AS NECESSARY FOR TRAFFIC CONTROL, AS NEEDED.

IN ORDER TO PROVIDE PLANT MATERIALS THAT MEET THE SOIL AND CLIMATE CONDITIONS OF BEAVERCREEK, OHIO, THEY MUST BE OBTAINED FROM SOUTHWEST/SOUTH CENTRAL OHIO. TREES OF THE SAME SPECIES SHALL BE PURCHASED FROM THE SAME NURSERY SO AS TO PROVIDE UNIFORMITY AMONG EACH SPECIES.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO CLEAN THE CONSTRUCTION SITE AFTER EACH DAY OF WORK. PRIVATE LOTS SHALL BE FREE OF ANY DEBRIS, SAFETY HAZARDS, AND/OR OBSTRUCTIONS. IF A TREE PIT IS UNPROTECTED, IT SHALL HAVE FENCE PROTECTION TO PREVENT INJURY. SIDEWALKS AND STREETS SHALL BE FREE OF ANY DEBRIS, ROCKS, LOOSE MATERIAL AND OBSTRUCTIONS AT ALL TIMES. AT THE TIME OF FINAL COMPLETION, CONTRACTOR MUST CLEAN ALL ROADS, SIDEWALKS, AND PRIVATE LOTS PER THE CITY'S DIRECTION.

ITEM 690 SPECIAL - BACKFILL MIX

BACKFILL MIX SHALL BE PER TEM 661.09 EXCEPT MODIFIED TO READ:

FOR ALL PLANTINGS, USE BACKFILL MIX CONSISTING OF THE FOLLOWING:

1. PART TOPSOIL PER ITEM 659.05
2. PART SPHAGNUM PEAT MOSS
3. PART EPA RATED CLASS IV COMPOST PER ITEM 659.06

INSTALL BACKFILL MIX TO 12" DEPTH IN ALL PLANT BEDS.

DO NOT USE BACKFILL MIX THAT IS FROZEN OR MUDDY.

PAYMENT FOR BACKFILL MIX AND PLACEMENT OF BACKFILL MIX SHALL BE PAID FOR IN ITEM SPECIAL - BACKFILL MIX.

ITEM 661 PLANTING TREES, SHRUBS, AND VINES

GENERAL PLANTING NOTES

1. LANDSCAPE WATERING PER ODOT ITEM 662 IS CONSIDERED INCIDENTAL TO ODOT ITEM 661 AND MUST BE CONTINUED THROUGH THE ESTABLISHMENT PERIOD AS OUTLINED UNDER ODOT ITEM 661.14. THE COST FOR LANDSCAPE WATERING SHALL BE CONSIDERED INCIDENTAL TO ODOT ITEM 661 AND MUST BE CONTINUED THROUGH THE ESTABLISHMENT PERIOD AS OUTLINED UNDER ODOT ITEM 661.14.
2. CONTRACTOR MUST FOLLOW STANDARD HORTICULTURAL PRACTICES DURING THE PERIOD OF ESTABLISHMENT TO ENSURE THAT ALL THE PLANTS MAINTAIN GROWTH AND VIGOR. THE CONTRACTOR SHALL WATER, RE-MULCH, RE-STAKE AND CULTIVATE / WEED AS NECESSARY.
3. ALL LANDSCAPE BEDS TO RECEIVE A GRANULAR PRE-EMERGENT WEED PREVENTATIVE PRIOR TO MULCHING PER ODOT ITEM 661. (PREEN, TREFLAN, OR ACCEPTED EQUIVALENT)
4. ALL PLANTS ARE TO BE BALLED AND BURLAPPED (B&B) OR IN CONTAINERS AS NOTED IN PLANT SCHEDULE. NO BARE ROOTED OR CONTAINER TREES ARE PERMITTED. SIZES ARE PER OHIO NURSERY ASSOCIATION STANDARDS.
5. PLANT IN ACCORDANCE WITH PLAN NOTE ITEM 661: PLANTING TREES, SHRUBS, AND GROUND COVER AS PER PLAN AND ODOT L.A. 1.1 AND LA 1.2 STANDARD CONSTRUCTION DRAWINGS.
6. SIZE OF PIT VARIES WITH SIZE OF ROOT BALL.
7. SPREAD FERTILIZER EVENLY IN SAUCER PRIOR TO PLANTING PER ODOT ITEM 661.
8. ALL PLANT MATERIAL FURNISHED SHALL BE FULL, WELL BRANCHED, WELL PROPORTIONED, AND HAVE A VIGOROUS, WELL DEVELOPED ROOT SYSTEM CAPABLE OF SUSTAINING VIGOROUS GROWTH.
9. ALL TREES AND SHRUBS SHALL BE NO. 1 GRADE PLANTS WITH GROWTH AND BRANCHING HABIT TYPICAL OF THE SPECIES. NO PARK GRADE (NO. 2 OR 3 GRADE) PLANTS WILL BE ACCEPTED.
10. ALL TREES WITHIN A SPECIES SHALL HAVE MATCHING FORM. ALL PLANT MATERIAL SHALL BE OF THE SIZE AND TYPE SPECIFIED.
11. IF SUBSTITUTIONS ARE REQUIRED, ALL SUBSTITUTIONS MUST BE APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION.
12. OBSTRUCTIONS: NOTIFY OWNER OR OWNER'S REPRESENTATIVE IF UNEXPECTED ROCKS OR OBSTRUCTIONS DETRIMENTAL TO TREES OR SHRUBS ARE ENCOUNTERED DURING EXCAVATION.
13. THE COST FOR ALL FERTILIZER, HERBICIDE, WATERING, AND PLANTS, THAT MUST OCCUR BASED ON NEW PLANTING / CONSTRUCTION SHALL BE INCIDENTAL TO ITEM 661 AND 662 LANDSCAPE PLANTINGS AND WATERING.
14. THE CONTRACTOR SHALL CONDUCT WATERING OPERATIONS IN COMPLIANCE WITH ALL PROJECT SPECIFICATIONS AND SHALL PROTECT AGAINST WETTING OF THE PAVEMENT SURFACE.
15. EACH CONTRACTOR SHALL NOTIFY THE OWNER'S REP. IMMEDIATELY IF A DISCREPANCY IS FOUND BETWEEN THE DIMENSION GIVEN ON THE PLANS AND ACTUAL DIMENSIONS IN THE FIELD.
16. REMOVE ALL TWINE, ROPE, BURLAP, AND WIRE FROM TOP HALF OF ROOTBALL.
17. NOTIFY OWNER OR OWNER'S REPRESENTATIVE IF SUBSOIL CONDITIONS EVIDENCE UNEXPECTED WATER SEEPAGE OR RETENTION IN TREE OR SHRUB PIT.
18. ITEM 661.10 B PLANTING BEDS SHALL BE MODIFIED TO READ: ONE MONTH BEFORE CULTIVATION, TREAT ALL PLANTING BEDS THAT ARE TO BE DEVELOPED IN AREAS OF EXISTING TURF WITH PRE-EMERGENT AND POST-EMERGENT TYPE HERBICIDES. USE A STATE-LICENSED PESTICIDE APPLICATOR TO APPLY THE HERBICIDE ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS. BEFORE PLANTING, TOP DRESS ALL PLANTING BEDS WITH A MINIMUM OF 6 INCHES OF BACKFILL MIX, THEN CULTIVATE IT TO A DEPTH OF 12 INCHES USING A PLOW, DISC, OR ROTO-TILLER.

19. ITEM 661.10 B PLANTING BEDS SHALL BE MODIFIED TO READ: DIMENSIONS AND PLANT LOCATIONS SHALL BE PLACED IN ACCORDANCE WITH THE DETAILS AND LOCATIONS SHOWN ON THE PLANS. IN NO CASE SHALL PROPOSED PLANT BEDS BE LOWER THAN EXISTING GRADES. GRADE ALL PLANT BEDS SMOOTHLY TO DRAIN. CONTRACTOR SHALL NOT REMOVE AND REPLACE EXISTING SOIL. RATHER THE EXISTING SOILS SHALL BE AMENDED FOR PROPER PLANT GROWTH.
20. ITEM 661.10 B PLANTING BEDS SHALL BE MODIFIED TO READ: ALL PLANT BEDS SHALL BE COVERED WITH SHREDDED MULCH CONTINUOUSLY AS A CONTIGUOUS BED AS INDICATED ON THE PLAN. INDIVIDUALLY PLANTED TREES SHALL BE RINGED WITH SHREDDED MULCH RINGS SIZED AS INDICATED ON THE PLAN. MULCH SHALL BE PER ITEM 661.11.
21. ALL ABOVE ITEMS ARE INCIDENTAL TO ODOT 661 ITEM AND SHALL BE CONTINUED THROUGH WARRANTY PERIOD.

PAYMENT:THE COST FOR THESE ITEMS SHALL INCLUDE ALL MATERIALS, EQUIPMENT, COORDINATION, AND LABOR COSTS ASSOCIATED WITH INSTALLING ITEM 661 TREES, SHRUBS, AND VINES AND THE NOTES AND DETAILS.

ITEM 659 SEEDING AND MULCHING, AS PER PLAN

THIS ITEM SHALL CONSIST OF FURNISHING ALL LABOR, TOOLS, MACHINERY, MATERIALS, AND PROCESSES REQUIRED FOR THE PLANTING OF SEEDED AREAS. SEEDING SHALL OCCUR TO THE PROJECT LIMITS SHOWN ON THE PLANS. ALL AREAS DISTURBED BY CONSTRUCTION, SHALL BE RESTORED, FINE GRADED, AND SEEDED. COST FOR DAMAGE RESTORATION OF EXISTING TURF AREAS DURING CONSTRUCTION SHALL BE AT THE CONTRACTOR'S EXPENSE.

ITEM SHALL BE IN COMPLIANCE WITH THE REQUIREMENTS OF ITEM 659 SEEDING AND MULCHING UNLESS OTHERWISE DESCRIBED BELOW:

AREAS WITHIN THE PROJECT AREA THAT WILL BE GRADED AND DISTURBED AREAS TO BE SEED WITH THE FOLLOWING SEED MIX. PROVIDE OWNER WITH CERTIFIED SEED MIX LABEL PRIOR TO APPLICATION FOR APPROVAL:

- 80-90% TURF-TYPE TALL FESCUE (3 LB. /1,000 SQ. FT.)
- 5-10% KENTUCKY BLUEGRASS (3 LB. /1,000 SQ. FT.)
- 5-10% PERENNIAL RYEGRASS (2 LB. /1,000 SQ. FT.)

AREAS WITHIN THE PROJECT AREA THAT ARE NOT DISTURBED SHALL BE INTER-SEEDED PER ITEM 659.21 WITH THE SAME MIX.

ALL DESIGNATED TURF AREAS TO BE HYDRO SEEDED WITH A WOOD FIBER MULCH AS NOTED IN ODOT ITEM 659.15

ITEM 650.03 LIME SHALL BE APPLIED PER SPECIFICATION, AND SHALL BE INCIDENTAL TO THIS ITEM.

ITEM 659.04 COMMERCIAL FERTILIZER SHALL BE INCIDENTAL TO THIS ITEM.

ITEM 659.05 TOPSOIL SHALL BE INCIDENTAL TO THIS ITEM. ALL AREAS TO BE SEED SHALL HAVE A MINIMUM OF 4 INCHES OF TOPSOIL.

ITEM 659.17 WATER SHALL BE INCIDENTAL TO THIS ITEM.

ITEM 659.20 REPAIR SEEDING AND MULCHING SHALL BE INCIDENTAL TO THIS ITEM.

ITEM 659.23 PERFORMANCE: AT END OF MAINTENANCE PERIOD, A HEALTHY, UNIFORM, CLOSE STAND OF GRASS HAS BEEN ESTABLISHED, FREE OF WEEDS AND SURFACE IRREGULARITIES, WITH COVERAGE EXCEEDING 90 PERCENT OVER ANY 10 SQ. FT. AND BARE SPOTS NOT EXCEEDING 3 BY 3 INCHES.

TEMPORARY COVER:

AVENA SATIVA / COMMON OAT / 512.00
LOLIUM MULTIFLORUM / ANNUAL RYE / 240.00

PAYMENT: THE COST OF THESE ITEMS SHALL INCLUDE ALL MATERIALS, EQUIPMENT COORDINATION AND LABOR COSTS ASSOCIATED WITH SUPPLYING AND INSTALLING SEEDING AND MULCHING AS PER PLAN.

THE FOLLOWING QUANTITIES ARE PROVIDED TO PROMOTE GROWTH AND CARE OF PERMANENT SEEDED AREAS:

ITEM 659, SEEDING AND MULCHING, AS PER PLAN
70 SQ. YD.

ITEM 659, WATER

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT-OF-WAY LINES, AND WITHIN THE CONSTRUCTION LIMITS FOR AREAS OUTSIDE THE RIGHT-OF-WAY LINES COVERED BY WORK AGREEMENT OR SLOPE EASEMENT. QUANTITY CALCULATIONS FOR SEEDING AND MULCHING ARE BASED ON THESE LIMITS.

ITEM 661.11 MULCH, AS PER PLAN

THE FOLLOWING REVISIONS TO ODOT 661 SHALL BE APPLICABLE TO THIS PROJECT 661.11 MULCH.

CHANGE THE SECOND SENTENCE IN THE SECOND PARAGRAPH TO READ, "...3-INCH LAYER OF LANDSCAPE MULCH...".

MULCH SHALL BE A FINELY SHREDDED DARK HARDWOOD MULCH. NON-DYED BLACK COLOR. 100% AGED SHREDDED HARDWOOD. TRIPLE GROUND.

ITEM 680 SPECIAL - TRASH RECEPTACLE

TRASH RECEPTACLE WITH DIVIDED TRASH AND RECYCLING OPENINGS. SEE DETAIL 2 / SHEET 4.

MANUFACTURER:

BASIS OF DESIGN: FORMS+SURFACES;
MODEL: URBAN RENAISSANCE RECEPTACLE SLURB-36SS

COLOR: BLACK POWDERCOAT FRAME, DESERT TAN RECYCLED PLASTIC.

SURFACE MOUNTING PER MANUFACTURER'S SPECIFICATIONS. PROVIDE ANCHORS OF SUFFICIENT LENGTH TO MOUNT INTO CONCRETE BASE BELOW UNIT PAVERS.

PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR ITEM SPECIAL - TRASH RECEPTACLE.

ITEM 690 SPECIAL - PLANTER

24" PLANTER (SMALL) & 38.5" PLANTER (LARGE). SEE DETAIL 1 / SHEET 4.

MANUFACTURER:

BASIS OF DESIGN: VICTOR STANLEY
MODEL: ZEN FIBERGLASS PLANTER, ZEN-2418R & ZEN-3831R

SANDAL, GRAIN FINISH

SURFACE MOUNTING PER MANUFACTURER'S SPECIFICATIONS. PROVIDE ANCHORS OF SUFFICIENT LENGTH TO MOUNT INTO CONCRETE BASE BELOW UNIT PAVERS.

PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR ITEM SPECIAL - PLANTER.

ITEM 690 SPECIAL - BICYCLE RACK

BICYCLE RACKS TO BE PROVIDED BY OWNER AND INSTALLED BY CONTRACTOR.

SURFACE MOUNTING PER MANUFACTURER'S SPECIFICATIONS. PROVIDE ANCHORS OF SUFFICIENT LENGTH TO MOUNT INTO CONCRETE BASE BELOW UNIT PAVERS.

PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR ITEM SPECIAL - BIKE RACK.

ITEM 690 SPECIAL - BENCH

BACKED BENCH WITHOUT INTERMEDIATE ARMS OR DIVIDERS. SEE DETAIL 4 / SHEET 4.

MANUFACTURER:

TREETOP PRODUCTS
222 STATE ST.
BATAVIA, IL 60510
866.511.5642
MODEL: 6' MALL BENCH ARCHED BACK
ITEM # 22K2541-TN

DIMENSIONS:

1. DEPTH: 22".
2. OVERALL HEIGHT: 36".
3. ARM HEIGHT: 24".
4. LENGTH: 72".

SEAT PATTERN: SLAT.

COLOR: BLACK POWDERCOAT FRAME, DESERT TAN RECYCLED PLASTIC.

SURFACE MOUNTING PER MANUFACTURER'S SPECIFICATIONS. PROVIDE ANCHORS OF SUFFICIENT LENGTH TO MOUNT INTO CONCRETE BASE BELOW UNIT PAVERS.

PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR ITEM SPECIAL - BENCH.

DESIGN AGENCY

DESIGNER

NTH

REVIEWER

BMG 08-11-23

PROJECT ID

125940

SHEET TOTAL

46

47