DRAWINGS
FOR
CONSTRUCTION
OF

CONTRACT B820-26-10
FULTON STREET TRAFFIC CALMING AND BIKE BOULEVARD

PART OF THE
LANCASTER HERITAGE PATHWAY

PROJECT LIMITS:

EAST FULTON STREET	FROM	NORTH SHIPPEN STREET	TO	NORTH RESERVOIR STREET
NORTH SHIPPEN STREET	FROM	EAST WALNUT STREET	TO	EAST CHESTNUT STREET
NORTH PLUM STREET	FROM	EAST WALNUT STREET	TO	EAST CHESTNUT STREET
NORTH ANN STREET	FROM	EAST WALNUT STREET	TO	EAST CHESTNUT STREET
NORTH MARSHALL STREET	FROM	EAST WALNUT STREET	TO	EAST CHESTNUT STREET
NORTH FRANKLIN STREET	FROM	EAST WALNUT STREET	TO	EAST CHESTNUT STREET
NORTH RESERVOIR STREET	FROM	EAST WALNUT STREET	TO	EAST CHESTNUT STREET

SHEET LIST:

1 COVER SHEET
2 PAVEMENT MARKING DETAILS
3 SPEED HUMP DETAILS
4 SPEED TABLE DETAILS
5-10 SIGNAGE, MARKING, AND SPEED HUMP PLAN
11-16 UTILITY, EROSION AND SEDIMENTATION CONTROL PLAN

NOTES:

PROVIDE MATERIALS AND CONSTRUCT THIS PROJECT IN ACCORDANCE WITH THE LATEST EDITION PENNSYLVANIA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS; PUBLICATION 408; TC-8600 AND TC-8700 SERIES (PUBLICATION 111); TC-7800 SERIES (PUBLICATION 148); WORK ZONE TRAFFIC CONTROL (PUBLICATION 203); THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES; AND THE REGULATIONS (PUBLICATION 68) GOVERNING THE DESIGN, LOCATION, AND OPERATION OF ALL OFFICIAL TRAFFIC SIGNS, SIGNALS AND PAVEMENT MARKINGS ON AND ALONG ALL HIGHWAYS WITHIN THE COMMONWEALTH OF PENNSYLVANIA.

EXERCISE EXTREME CARE DURING CONSTRUCTION BECAUSE OF THE POSSIBILITY OF EXISTING UNDERGROUND FACILITIES. REPAIR ANY DAMAGES TO EXISTING FACILITIES, EITHER ABOVE OR UNDERGROUND, WITHOUT EXPENSE TO THE CITY AND DONE IN A MANNER COMPLETELY SATISFACTORY TO THE CITY.

IF REQUIRED BY LAW, CONTRACTOR IS RESPONSIBLE FOR ARRANGING A COMPLEX PROJECT MEETING. THREE WORKING DAYS PRIOR TO EXCAVATION THE CONTRACTOR MUST CONTACT THE ONE-CALL SYSTEM INC., PHONE 1-800-242-1776.

SERIAL NO. 20262861424 (PRELIMINARY DESIGN) AND 20263200001 (FINAL DESIGN) HAVE BEEN ASSIGNED TO THIS PROJECT.

CITY OF LANCASTER
BUREAU OF ENGINEERING
DEPARTMENT OF PUBLIC WORKS

SCALE: 0 20 40FT

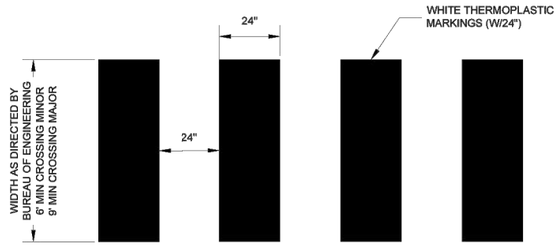
DRAWN BY: BJH

REV.	DATE	DESCRIPTION	BY

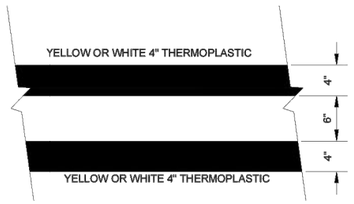
FULTON STREET TRAFFIC CALMING AND BIKE BOULEVARD

COVER SHEET

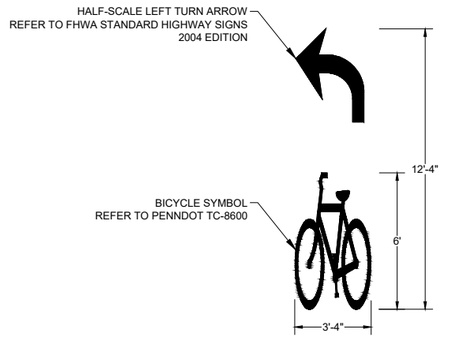
SHEET
1 OF 16



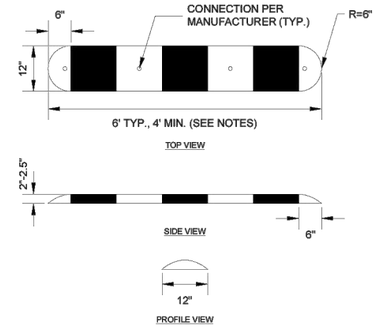
1 HIGH-VISIBILITY CROSSWALK MARKINGS
SCALE: NONE



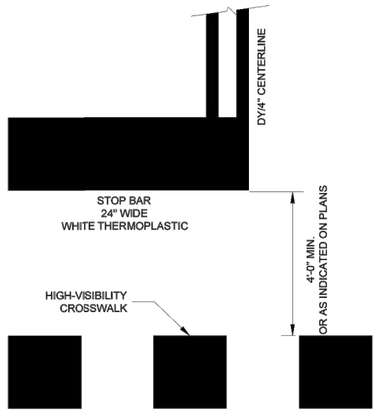
2 DY/4" AND DW/4" LINE
SCALE: NONE



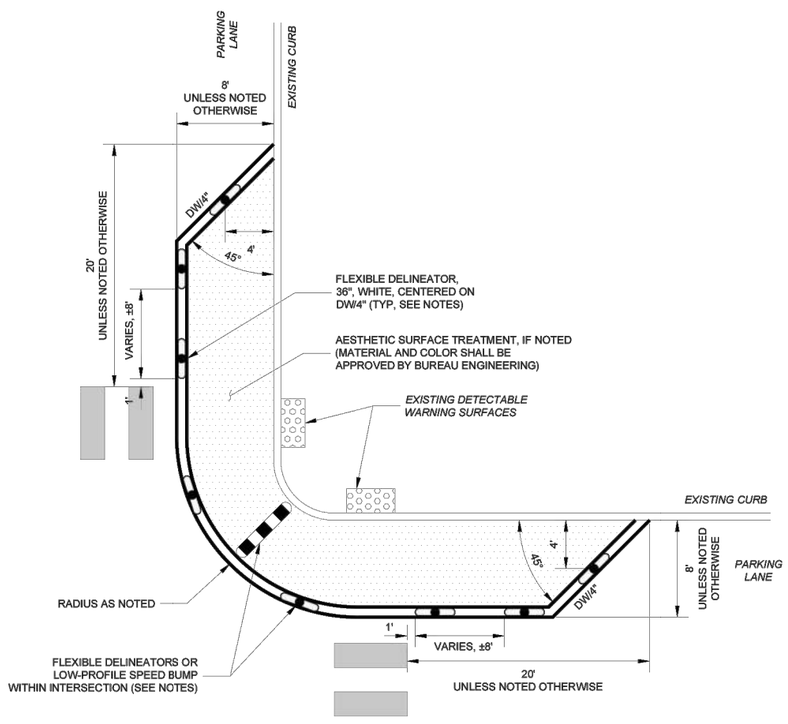
3 BIKE LEFT TURN MARKING
SCALE: NONE



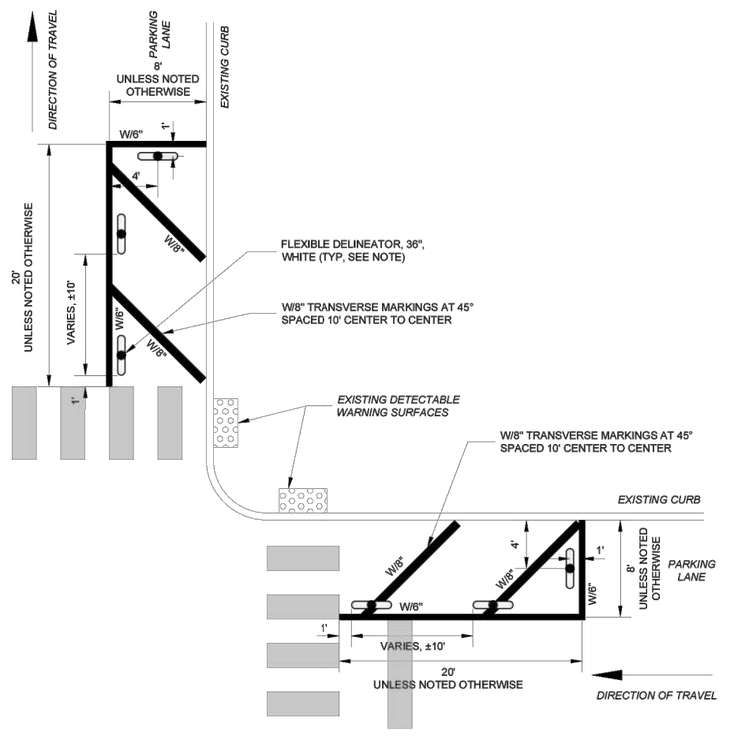
4 LOW PROFILE SPEED BUMP
SCALE: NONE



5 STOP BAR
SCALE: NONE



6 INTERSECTION DAYLIGHTING TYPE A
SCALE: NONE



7 INTERSECTION DAYLIGHTING TYPE B
SCALE: NONE

PAVEMENT MARKING NOTES:

1. ALL PAVEMENT MARKINGS SHALL BE INSTALLED WITH THERMOPLASTIC UNLESS OTHERWISE APPROVED IN WRITING BY BUREAU OF ENGINEERING.

DAYLIGHTING NOTES:

1. FLEXIBLE DELINEATORS USED WITHIN ROADWAY SHALL HAVE 36" HEIGHT, 3" DIAMETER, AND BE DESIGNED FOR REMOVAL IN A THREADED BASE. DELINEATOR BASE SHALL BE SECURED WITH A 4" MINIMUM DEPTH ANCHOR EMBEDDED IN THE PAVEMENT, INSTALLED PER MANUFACTURER INSTRUCTIONS.
2. FLEXIBLE DELINEATOR AND BASE SHALL BE "TUFFCURB XLP" AND "OMEGAPOST-3" BY IMPACT RECOVERY SYSTEMS, OR AN EQUAL APPROVED IN WRITING BY THE BUREAU OF ENGINEERING.
3. TYPICAL LOW-PROFILE SPEED BUMP IS 6' IN LENGTH. 4' LOW-PROFILE SPEED BUMP CAN BE USED WHERE THERE IS NOT SUFFICIENT WIDTH.
4. LOW-PROFILE SPEED BUMP SHOULD BE INSTALLED 4" FROM EDGE LINE AND A MINIMUM OF 6" FROM CROSSWALK. PLACEMENT SHALL NOT INTERFERE WITH PEDESTRIAN CROSSINGS OR BIKE LANES.

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BUREAU OF ENGINEERING
DEPARTMENT OF PUBLIC WORKS

SCALE: AS NOTED
DRAWN BY: BJH

REV.	DATE	DESCRIPTION	BY

FULTON STREET TRAFFIC CALMING AND BIKE BOULEVARD

PAVEMENT MARKING DETAILS

SHEET
2 OF 16

KEY:

(A) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64S-22, 3 TO <10 MILLION ESALS, 9.5 MM MIX, SRL-H.

(B) SUPERPAVE ASPHALT MIXTURE DESIGN, BINDER COURSE, PG 64S-22, 3 TO <10 MILLION ESALS, 19.0 MM MIX

(C) 2 1/2"-DEPTH MILLING OF ASPHALT PAVEMENT SURFACE, MILLED MATERIAL RETAINED BY CONTRACTOR

(D) 2"-DEPTH TAPER MILLING OF ASPHALT PAVEMENT SURFACE, MILLED MATERIAL RETAINED BY CONTRACTOR

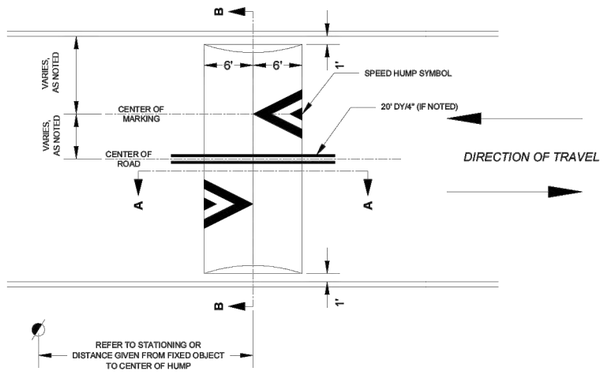
(E) ASPHALT TACK COAT (INCL. VERTICAL EDGES)

PAVEMENT MARKING NOTES:

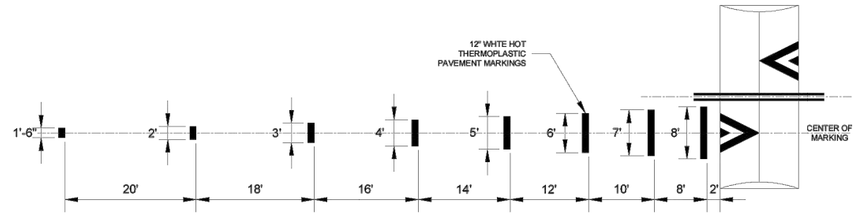
1. ALL PAVEMENT MARKINGS SHALL BE INSTALLED WITH THERMOPLASTIC UNLESS OTHERWISE APPROVED IN WRITING BY BUREAU OF ENGINEERING.

SPEED HUMP/TABLE NOTES:

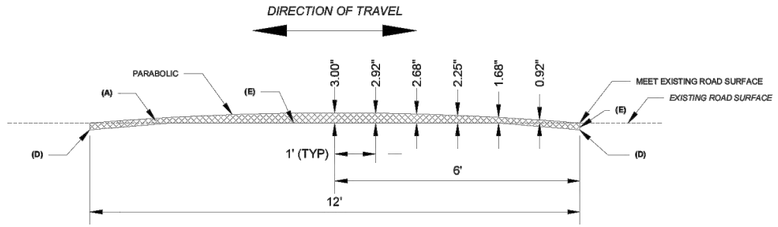
1. DETAILS DEPEND ON CONDITION OF EXISTING ASPHALT PAVEMENT SURFACE. PAVEMENT CONDITION SHALL BE NOTED ON PLANS OR DETERMINED BY THE CITY INSPECTOR IN CHARGE.
   - 1.1. TYPE G = "GOOD" CONDITION PAVEMENT
   - 1.2. TYPE P = "POOR" CONDITION PAVEMENT
2. CONSTRUCT SPEED HUMPS AND SPEED TABLES IN 2" (MAX.) LIFTS.
3. THE MAXIMUM GRADE BREAK BETWEEN THE APPROACH SLOPE GRADE AND THE EXISTING ROAD SURFACE SHALL NOT EXCEED 10%.



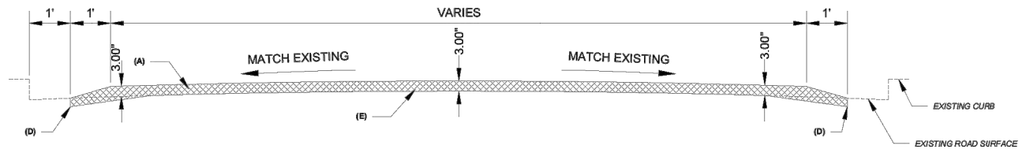
2 SPEED HUMP PLAN VIEW
SCALE: NONE



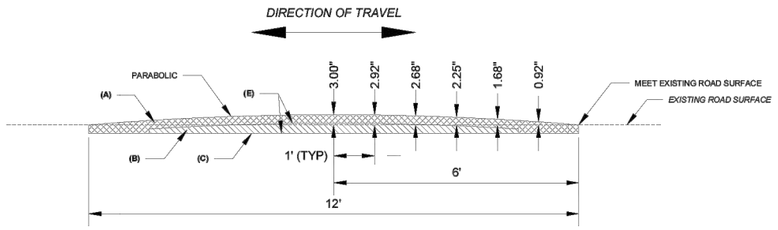
1 ADVANCE WARNING MARKING
SCALE: NONE



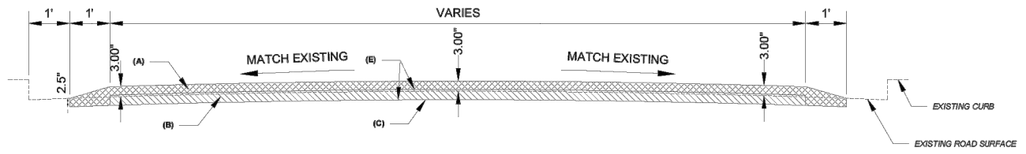
3 **SPEED HUMP TYPE G -** PROFILE VIEW (SECTION A-A)
SCALE: NONE



4 **SPEED HUMP TYPE G -** CROSS-SECTION VIEW (SECTION B-B)
SCALE: NONE



5 **SPEED HUMP TYPE P -** PROFILE VIEW (SECTION A-A)
SCALE: NONE



6 **SPEED HUMP TYPE P -** CROSS-SECTION VIEW (SECTION B-B)
SCALE: NONE

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DEPARTMENT OF PUBLIC WORKS

SCALE: AS NOTED

DRAWN BY: BJH

REV.	DATE	DESCRIPTION	BY

FULTON STREET TRAFFIC CALMING AND BIKE BOULEVARD

SPEED HUMP DETAILS

SHEET
3 OF 16

KEY:

(A) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64S-22, 3 TO <10 MILLION ESALS, 9.5 MM MIX, SRL-H.

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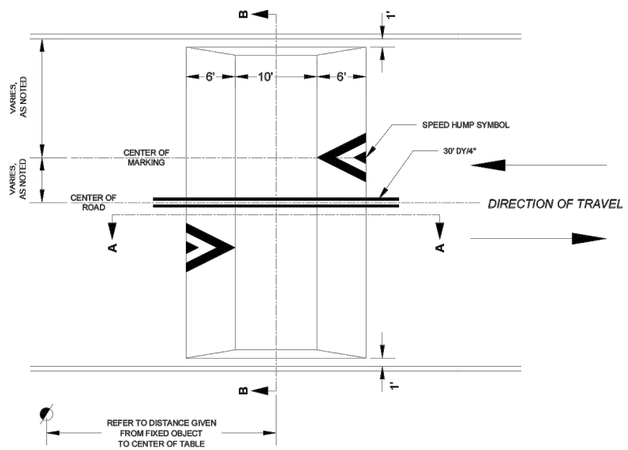
(E) ASPHALT TACK COAT (INCL. VERTICAL EDGES)

PAVEMENT MARKING NOTES:

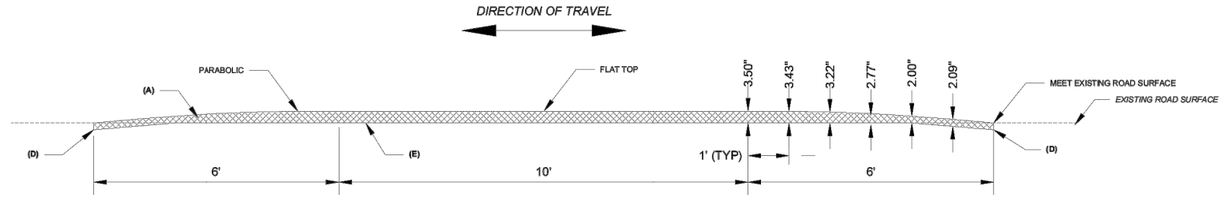
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SPEED HUMP/TABLE NOTES:

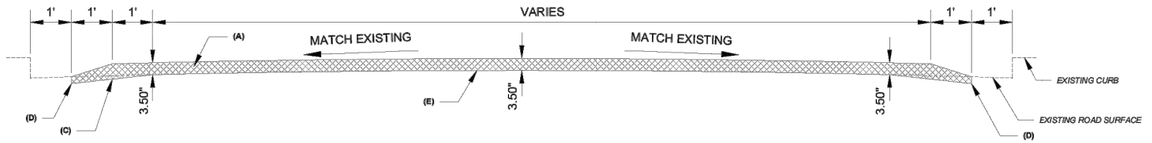
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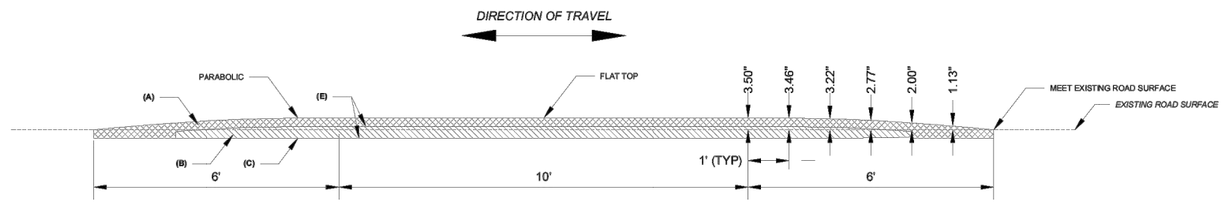
7 **SPEED TABLE PLAN VIEW**
SCALE: NONE



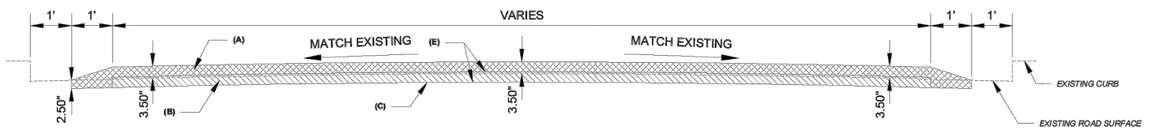
8 **SPEED TABLE TYPE G -** PROFILE VIEW (SECTION A-A)
SCALE: NONE



9 **SPEED TABLE TYPE G** - CROSS-SECTION VIEW (SECTION B-B)
SCALE: NONE



10 **SPEED TABLE TYPE P -** SPEED TABLE PROFILE VIEW (SECTION A-A)
SCALE: NONE



11 **SPEED TABLE TYPE P** - CROSS-SECTION VIEW (SECTION B-B)
SCALE: NONE

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DEPARTMENT OF PUBLIC WORKS

SCALE: AS NOTED

DRAWN BY: BJH

REV.	DATE	DESCRIPTION	BY

FULTON STREET TRAFFIC CALMING AND BIKE BOULEVARD

SPEED TABLE DETAILS

SHEET
4 OF 16



SHEET 5 OF 16

FULTON STREET TRAFFIC CALMING AND BIKE BOULEVARD

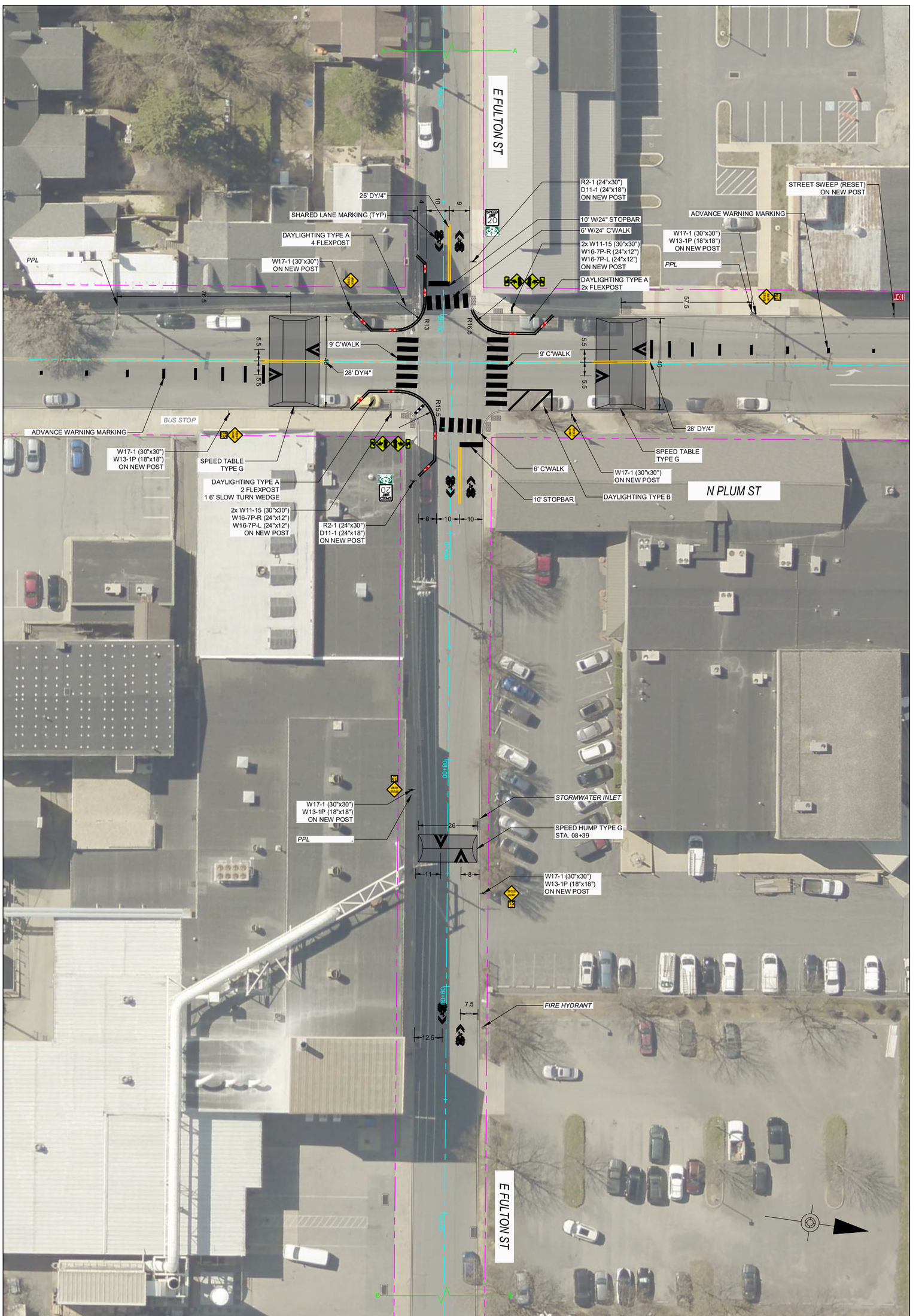
SIGNAGE AND PAVEMENT MARKING PLAN

REV.	DATE	DESCRIPTION	BY

SCALE: 0 20 40FT

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SHEET 6 OF 16

FULTON STREET TRAFFIC CALMING AND BIKE BOULEVARD

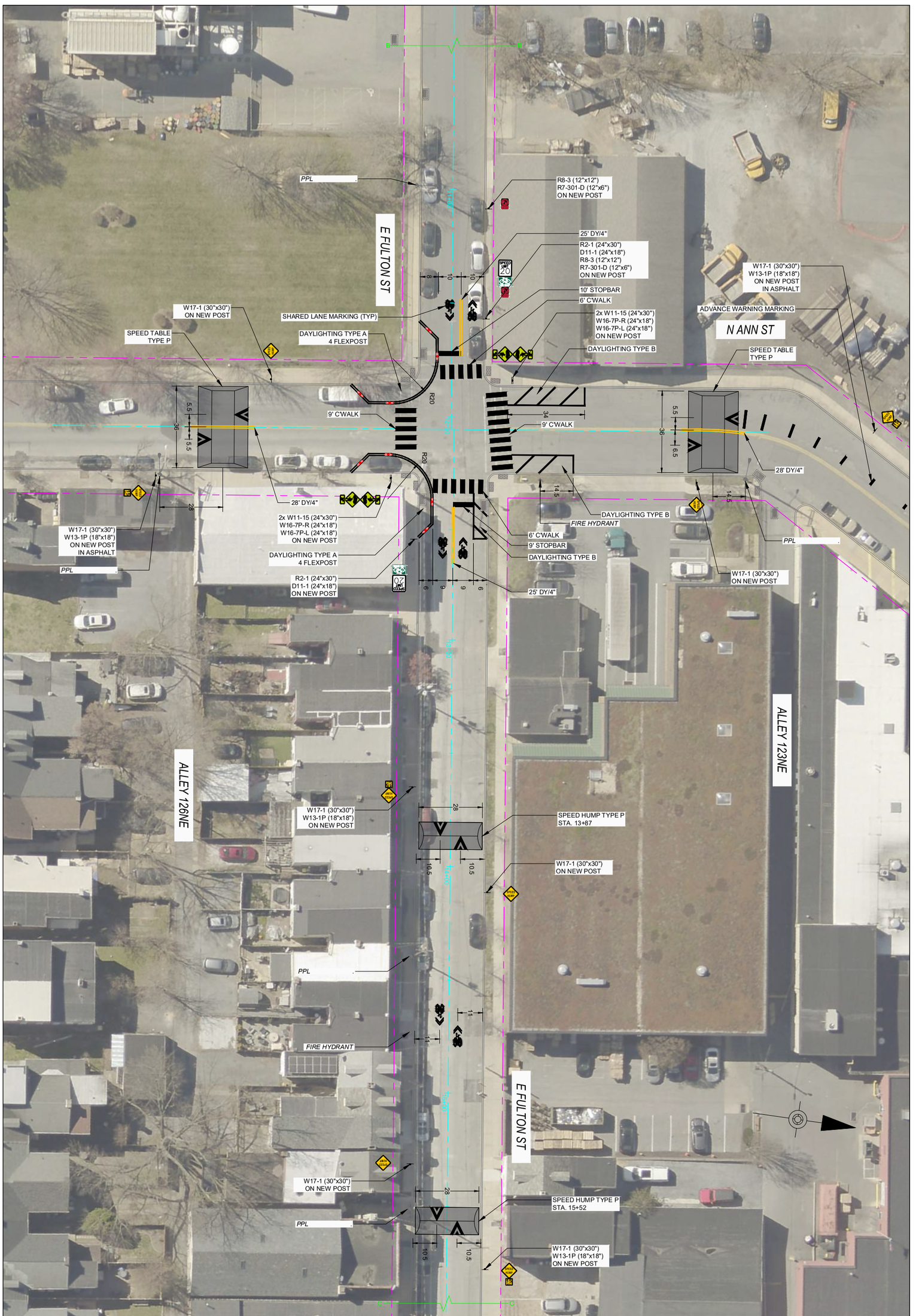
SIGNAGE AND PAVEMENT MARKING PLAN

REV.	DATE	DESCRIPTION	BY

SCALE: 0 20 40FT

DRAWN BY: BJH

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SHEET 7 OF 16	FULTON STREET TRAFFIC CALMING AND BIKE BOULEVARD						SCALE: 0 20 40FT	CITY OF LANCASTER
	SIGNAGE AND PAVEMENT MARKING PLAN	REV.	DATE	DESCRIPTION	BY	DRAWN BY: BJH		BUREAU OF ENGINEERING DEPARTMENT OF PUBLIC WORKS



SHEET 8 OF 16

FULTON STREET TRAFFIC CALMING AND BIKE BOULEVARD

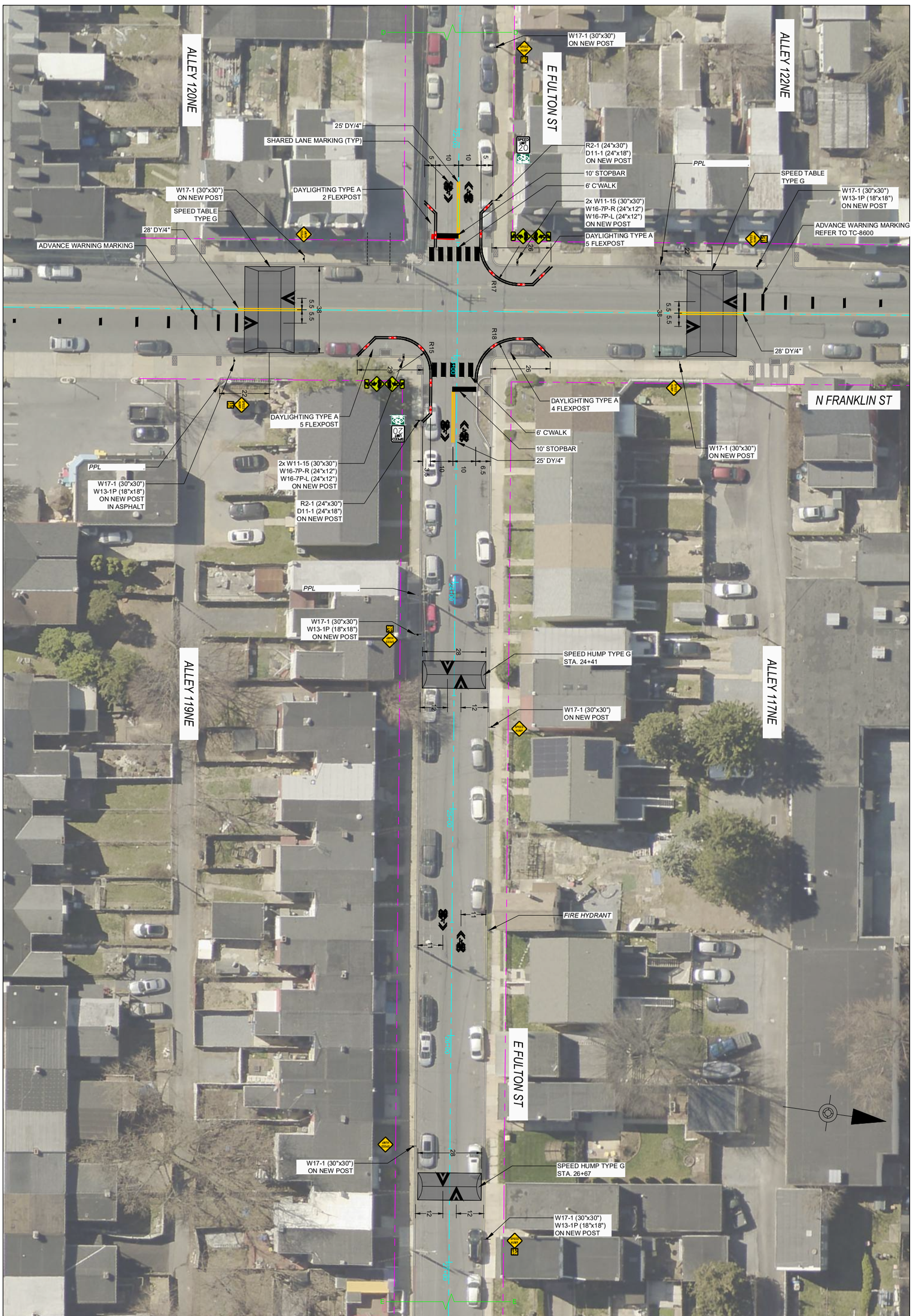
SIGNAGE AND PAVEMENT MARKING PLAN

REV.	DATE	DESCRIPTION	BY

SCALE: 0 20 40FT

DRAWN BY: BJH

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BUREAU OF ENGINEERING
DEPARTMENT OF PUBLIC WORKS



SHEET 9 OF 16

FULTON STREET TRAFFIC CALMING AND BIKE BOULEVARD

SIGNAGE AND PAVEMENT MARKING PLAN

REV.	DATE	DESCRIPTION	BY

SCALE: 0 20 40FT

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SHEET	FULTON STREET TRAFFIC CALMING AND BIKE BOULEVARD	REV.	DATE	DESCRIPTION	BY	SCALE: 0 20 40FT	CITY OF LANCASTER
10 OF 16	SIGNAGE AND PAVEMENT MARKING PLAN					DRAWN BY: BJH	BUREAU OF ENGINEERING DEPARTMENT OF PUBLIC WORKS



SHEET 11 OF 16

FULTON STREET TRAFFIC CALMING AND BIKE BOULEVARD

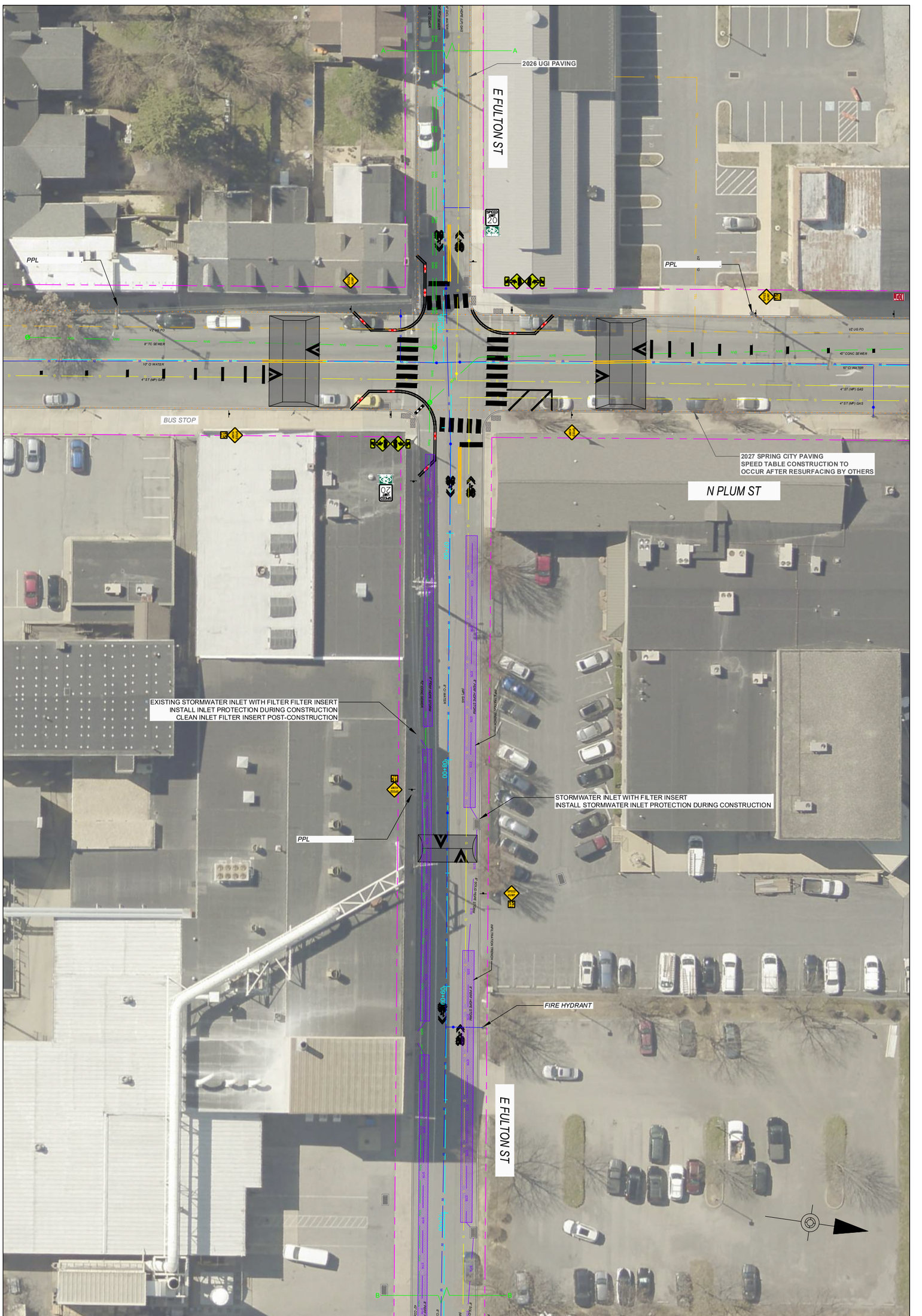
UTILITY PLAN
AND
EROSION & SEDIMENTATION CONTROL PLAN

REV.	DATE	DESCRIPTION	BY

SCALE: 0 20 40FT

DRAWN BY: BJH

CITY OF LANCASTER
BUREAU OF ENGINEERING
DEPARTMENT OF PUBLIC WORKS



SHEET 12 OF 16

FULTON STREET TRAFFIC CALMING AND BIKE BOULEVARD

UTILITY PLAN AND EROSION & SEDIMENTATION CONTROL PLAN

REV.	DATE	DESCRIPTION	BY

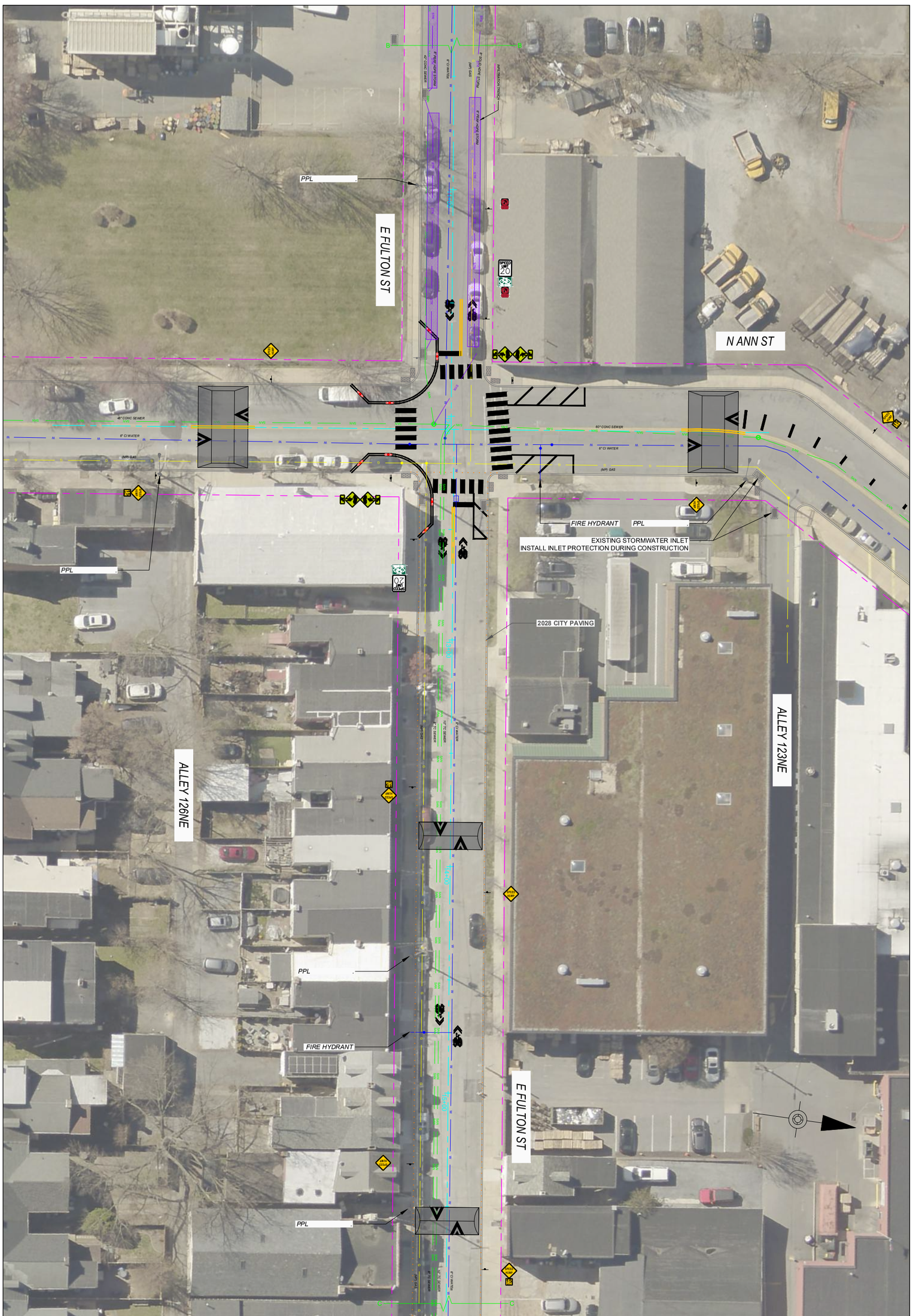
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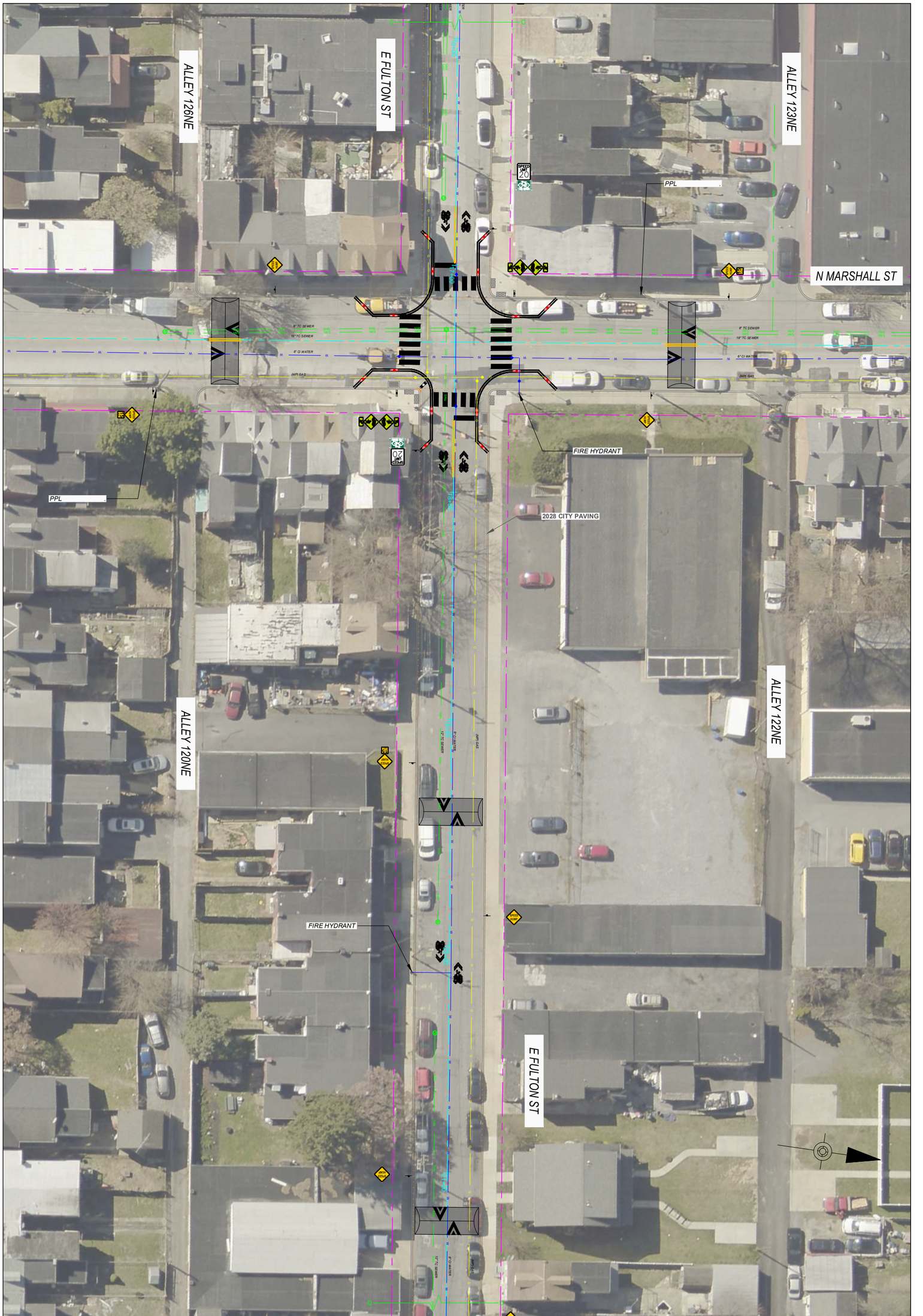
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CITY OF LANCASTER

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E FULTON ST
N ANN ST
ALLEY 126NE
ALLEY 123NE
PPL
FIRE HYDRANT
EXISTING STORMWATER INLET
INSTALL INLET PROTECTION DURING CONSTRUCTION
2028 CITY PAVING
SPEED LMT 20
40" CONC SEWER
8" CI WATER
8" CLAY SEWER
6" CLAY SEWER
6" CI WATER
8" PVC SEWER
8" PVC WATER
12" PVC SEWER
4" PVC



SHEET 14 OF 16

FULTON STREET TRAFFIC CALMING AND BIKE BOULEVARD

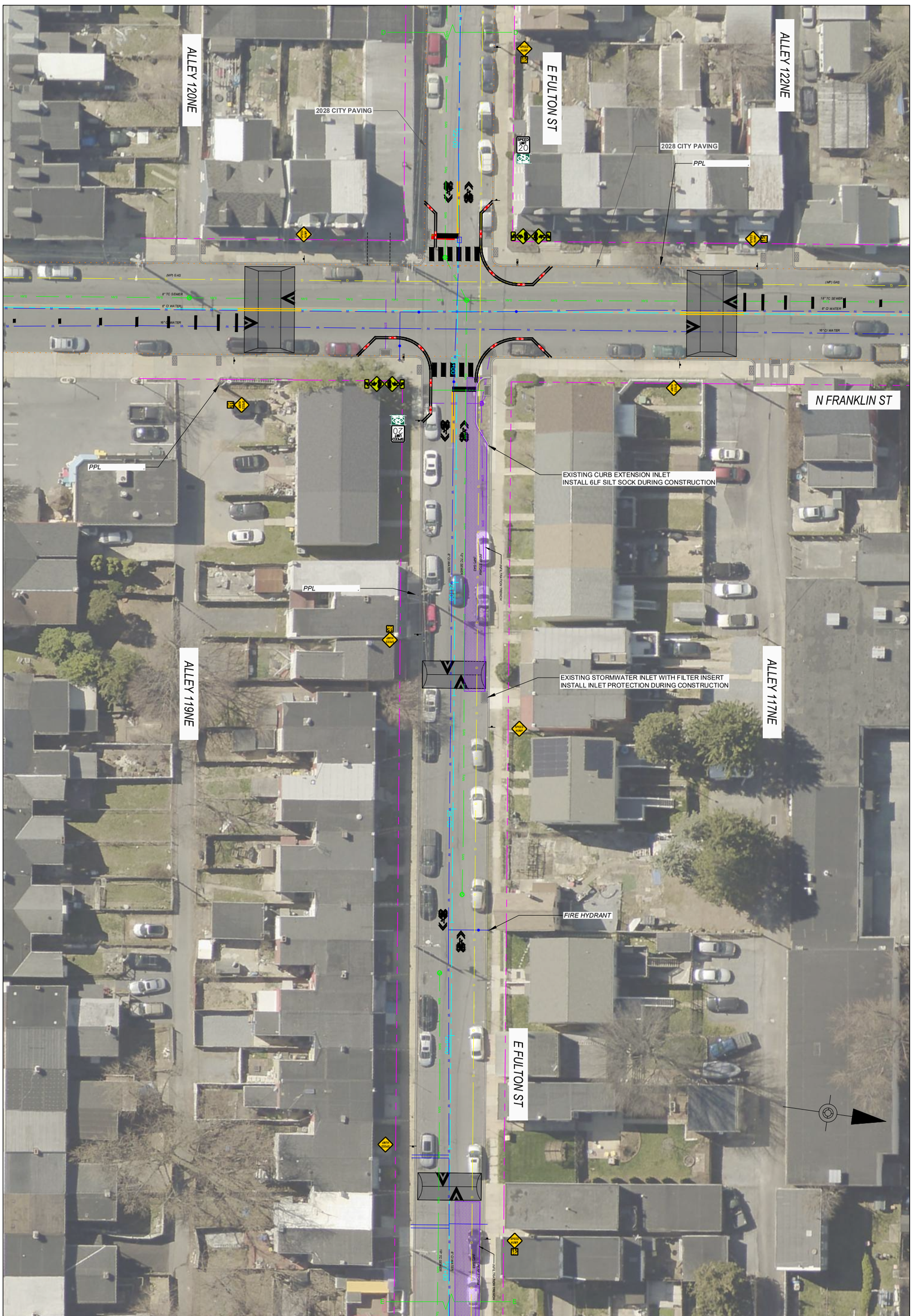
UTILITY PLAN
AND
EROSION & SEDIMENTATION CONTROL PLAN

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SCALE:
0 20 40FT

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BUREAU OF ENGINEERING
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SHEET 15 OF 16

FULTON STREET TRAFFIC CALMING AND BIKE BOULEVARD

UTILITY PLAN AND EROSION & SEDIMENTATION CONTROL PLAN

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SHEET 16 OF 16

FULTON STREET TRAFFIC CALMING AND BIKE BOULEVARD

UTILITY PLAN
AND
EROSION & SEDIMENTATION CONTROL PLAN

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