

CONTRACT PLANS COMPONENTS

ROADWAY
SIGNING AND PAVEMENT MARKING
SIGNALIZATION

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

SIGNALIZATION PLANS

FINANCIAL PROJECT ID 451481-1-52-01

INDEX OF SIGNALIZATION PLANS

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POLK COUNTY (16210000)

STATE ROAD NO. 35 (US 98)
RESURFACING, RESTORATION, AND REHABILITATION
FROM SHARON DRIVE TO N OF NORTON ROAD

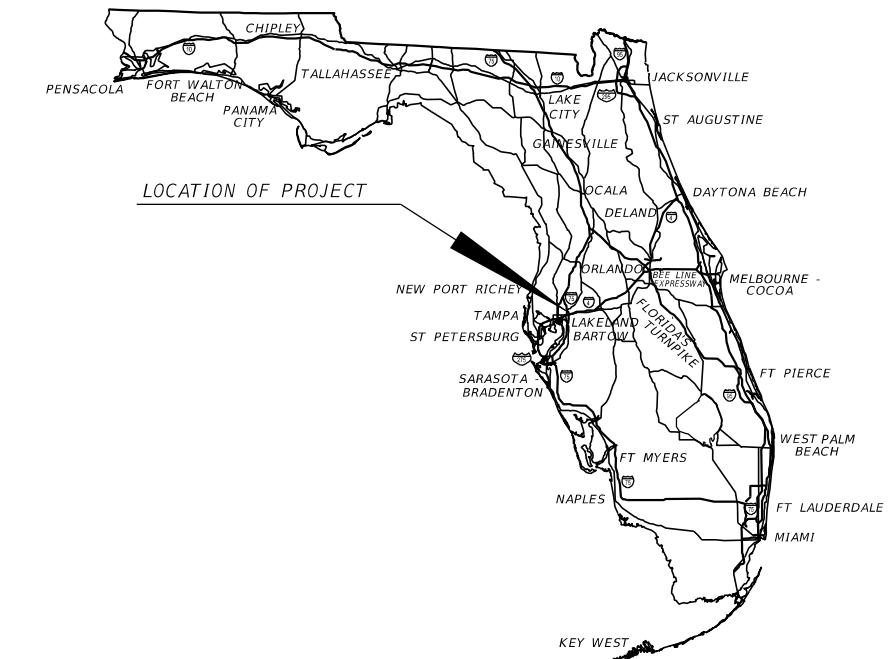
PROJECT LOCATION URL: <https://tinyurl.com/3958dbvf>

PROJECT LIMITS: BEGIN MP 3.569 - END MP 5.982

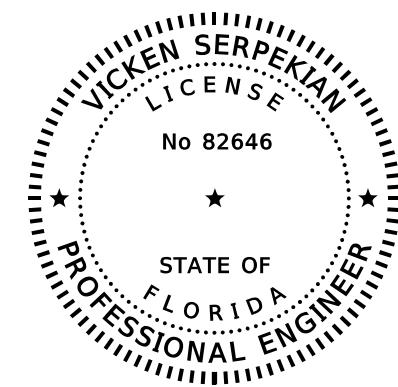
EXCEPTIONS: NONE

BRIDGE LIMITS: NONE

RAILROAD CROSSING: NONE



THIS ITEM HAS BEEN DIGITALLY
SIGNED AND SEALED BY



ON THE DATE ADJACENT TO THE SEAL
SIGNATURE MUST BE VERIFIED
ON ANY ELECTRONIC COPIES.

**SIGNALIZATION PLANS
ENGINEER OF RECORD:**

VICKEN SERPEKIAN, P.E., P.T.O.E.
P.E. NO.: 82646
ELEMENT ENGINEERING GROUP, LLC
1713 E. 9th AVENUE
TAMPA, FL 33605
(813) 386-2101
CONTRACT NO.: CAP02
VENDOR NO.: 56-2565488

FDOT PROJECT MANAGER:

RICHARD HOWARD, P.E.

PHASE II
OCTOBER 2025

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
TBD	27	T-1

GOVERNING STANDARD PLANS:

Florida Department of Transportation, FY 2025-26 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs).

Standard Plans for Road Construction and associated IRs are available at the following website: <http://www.fdot.gov/design/standardplans>

GOVERNING STANDARD SPECIFICATIONS:

Florida Department of Transportation, 2025-26 Standard Specifications for Road and Bridge Construction at the following website:
<http://www.fdot.gov/programmanagement/Implemented/SpecBooks>

SIGNALIZATION GENERAL NOTES:

1. THE INSTALLATION OF CONDUIT AND PULL BOXES FOR THE SIGNAL DETECTION LOOPS IS TO BE COORDINATED WITH UTILITY COMPANIES AS DIRECTED BY PROJECT ENGINEER.

2. MAINTAINING AGENCIES:

CITY OF LAKELAND
MALL ACCESS 3
SLEEPY HILL RD.
FOXWOOD BLVD./CARPENTERS WAY

POLK COUNTY
GIBSONIA-GALLOWAY RD.
W DAUGHTERY RD.

3. PAVEMENT MARKINGS ARE SHOWN FOR REFERENCE PURPOSES ONLY. FOR PAVEMENT MARKING DESIGN INFORMATION, SEE PAVEMENT MARKING PLANS.

4. WHEN CONSTRUCTION IS COMPLETE, PROVIDE A SET OF "AS-BUILT" PLANS IN ELECTRONIC FORM (PDF) TO:

FDOT TRAFFIC OPERATIONS
NEAL TURNER, P.E., TSM&O ENGINEER - ARTERIALS
801 N. BROADWAY AVE.
P.O. BOX 1249
BARTOW, FL 33830-1249
EMAIL: NEAL.TURNER@DOT.STATE.FL.US
PHONE: (863)-519-2216

5. THE LOCATION(S) OF THE UTILITIES SHOWN IN THE PLANS (INCLUDING THOSE DESIGNATED Vv Vh AND Vvh) ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY. THE VERIFIED LOCATION/ELEVATIONS APPLY ONLY AT THE POINTS SHOWN. INTERPOLATIONS BETWEEN POINTS HAVE NOT BEEN VERIFIED.

6. IF THE EXISTING PULL BOXES AND CONDUITS ARE IN GOOD CONDITION AS DIRECTED BY THE ENGINEER, THEY MAY BE USED IN LIEU OF THE PROPOSED PULL BOXES AND CONDUIT.

CITY OF LAKELAND TRAFFIC OPERATIONS
(STATE ROAD (S.R.) 35 / UNITED STATES (U.S.) HWY. 98 AT GIBSONIA-GALLOWAY RD.
AND W DAUGHTERY RD.)

1. AT LEAST TWO (2) FULL BUSINESS DAYS PRIOR TO BEGINNING THE TRAFFIC SIGNAL INSTALLATION, CONTACT CITY OF LAKELAND TRAFFIC OPERATIONS AT (863) 834-3491.

2. AT LEAST TWO (2) FULL BUSINESS DAYS PRIOR TO BEGINNING THE TRAFFIC SIGNAL INSTALLATION, CONTACT THE TRAFFIC SIGNAL INSPECTOR/LIAISON:

FRANK RODRIGUEZ
FLORIDA DEPARTMENT OF TRANSPORTATION
BARTOW OPERATIONS CENTER
2740 S.R. 60 WEST
BARTOW, FL 33830
PH: (863)-519-4117

3. FOR REMOVED SIGNAL EQUIPMENT, CONTACT CITY OF LAKELAND TRAFFIC OPERATIONS AT (863) 834-3491 TO CONFIRM THE LOCATION AND DELIVERY OF SALVAGEABLE MATERIALS.

4. WHEN CONSTRUCTION IS COMPLETE, IN ADDITION TO THE REQUIREMENT OF STANDARD SPECIFICATION 9-8, PROVIDE A SET OF "AS-BUILT" PLANS TO:

CITY OF LAKELAND TRAFFIC OPERATIONS
THERESA SCHWARTZ, P.E., MANAGER OF TRAFFIC OPERATIONS
834 E. ROSE STREET
LAKELAND, FL 33801

5. ALL SIGNALIZATION AND COMMUNICATION DOWNTIME SHALL NOT EXCEED MORE THAN 12 HOURS. A 48 HOUR ADVANCED NOTICE SHALL BE GIVEN TO THE CITY OF LAKELAND TRAFFIC OPERATIONS.

6. VERIFY THE COLOR CODE OF SIGNAL CABLE WITH CITY OF LAKELAND TRAFFIC OPERATIONS PRIOR TO WIRING THE INTERSECTION.

7. CONTACT CITY OF LAKELAND TRAFFIC OPERATIONS PRIOR TO ORDERING CONTROLLER ASSEMBLY TO CONFIRM EQUIPMENT COMPATIBILITY.

POLK COUNTY TRAFFIC OPERATIONS
(S.R. 35 / U.S. HWY. 98 AT TARGET/MALL ACCESS 3, SHOPPING CENTER/SLEEPY HILL RD., AND CARPENTERS WAY/FOXWOOD BLVD.)

1. AT LEAST TWO (2) FULL BUSINESS DAYS PRIOR TO BEGINNING THE TRAFFIC SIGNAL INSTALLATION, CONTACT THE POLK COUNTY TRAFFIC ENGINEERING SIGNAL SHOP AT (863) 535-2200.

2. FOR REMOVED SIGNAL EQUIPMENT, CONTACT POLK COUNTY TRAFFIC ENGINEERING SIGNAL SHOP AT (863) 535-2200 TO CONFIRM THE LOCATION AND DELIVERY OF SALVAGEABLE MATERIALS.

3. WHEN CONSTRUCTION IS COMPLETE, IN ADDITION TO THE REQUIREMENT OF STANDARD SPECIFICATION 9-8, PROVIDE A SET OF "AS-BUILT" PLANS TO:

POLK COUNTY TRAFFIC ENGINEERING
AMY SHAFER GREGORY, P.E., TRAFFIC ENGINEER
3000 SHEFFIELD RD.
WINTER HAVEN, FL 33880

SIGNALIZATION PAY ITEM NOTES:

1. 630-2-11 AND 630-2-12:
ALL CONDUIT RUNS SHOWN ON THE PLANS ARE SCHEMATIC AND FIELD ADJUSTMENTS MAY BE NECESSARY, WITH THE EXCEPTION OF ELECTRICAL POWER SERVICE DUCTS. ALL UNDERGROUND CONDUITS SHALL BE SCHEDULE 40PVC, UNLESS OTHERWISE SPECIFIED IN THE PLANS. ALL CONDUIT SHALL BE TERMINATED WITH A BELL END AND SPARES ARE TO BE CAPPED AND HAVE TRACK WIRE OR MULE TAPE.

2. 632-7-1:
COMPLETELY REWIRE INTERSECTION PROPOSED LOOPS AT ALL SIGNAL LOCATIONS.

VERIFY THE COLOR CODE OF SIGNAL CABLE WITH THE MAINTAINING AGENCY PRIOR TO WIRING THE LOOPS.

ALL FIELD WIRING MUST BE NEATLY BUNDLED AND CLEARLY IDENTIFIED WITH PERMANENT, LEGIBLE, WEATHER-PROOF TAGS THAT ARE SECURELY ATTACHED TO EACH CABLE. THE TAGGING SYSTEM PROPOSED SHALL BE SUBMITTED FOR APPROVAL WITH THE OTHER EQUIPMENT SUBMITTALS REQUIRED FOR THIS PROJECT.

3. 632-7-6:
INCLUDES THE REMOVAL OF THE EXISTING CONDUCTORS AND CONDUITS OF THE EXITING DETECTION LOOPS IF NOT UTILIZED.

4. 635-2-11:
PULL BOXES ARE TO BE PLACED BEHIND CURB AND GUTTER. IF THERE IS NO CURB AND GUTTER, PULL BOXES SHALL BE PLACED A MINIMUM OF 7' FROM THE EDGE OF PAVEMENT. ALL PULL BOXES INCLUDE CONCRETE MOW PAD APRONS.

INCLUDES THE COST FOR THE REMOVAL OF EXISTING PULL BOXES AND ASSOCIATED CONCRETE MOW PADS.

USE POLYMER CONCRETE CONSTRUCTION PULL BOXES WITH POLYMER CONCRETE COVERS. SIGNALIZATION PULL BOXES AND COVERS MUST INCLUDE THE RAISED LOGO "TRAFFIC SIGNAL" FOR SIGNALIZATION PULL BOXES.

5. 660-2-101, 660-2-102, AND 660-2-106:
PERMANENTLY MARK EACH LOOP PER PHASE AND PER VEHICLE MOVEMENT AT EACH SPLICE POINT AND AT THE CABINET TERMINATION POINT.

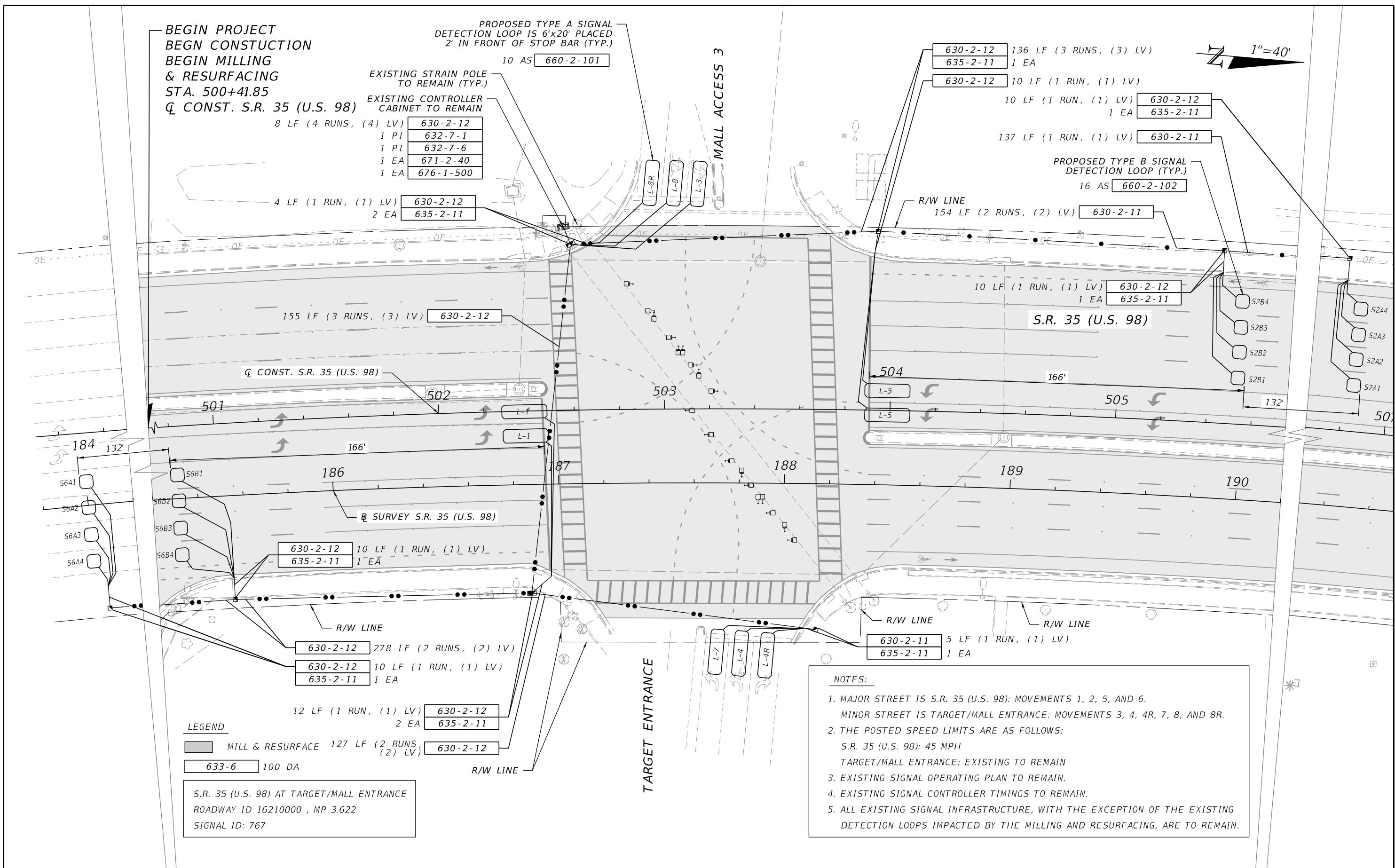
FOR INCREASED SENSITIVITY, INDUCTANCE LOOPS TO HAVE A MINIMUM OF THREE TURNS OF WIRE.

6. 671-2-40:
INCLUDES ADJUSTMENT OF SIGNAL TIMINGS AND NEW LOOP DETECTORS INSTALLATION.

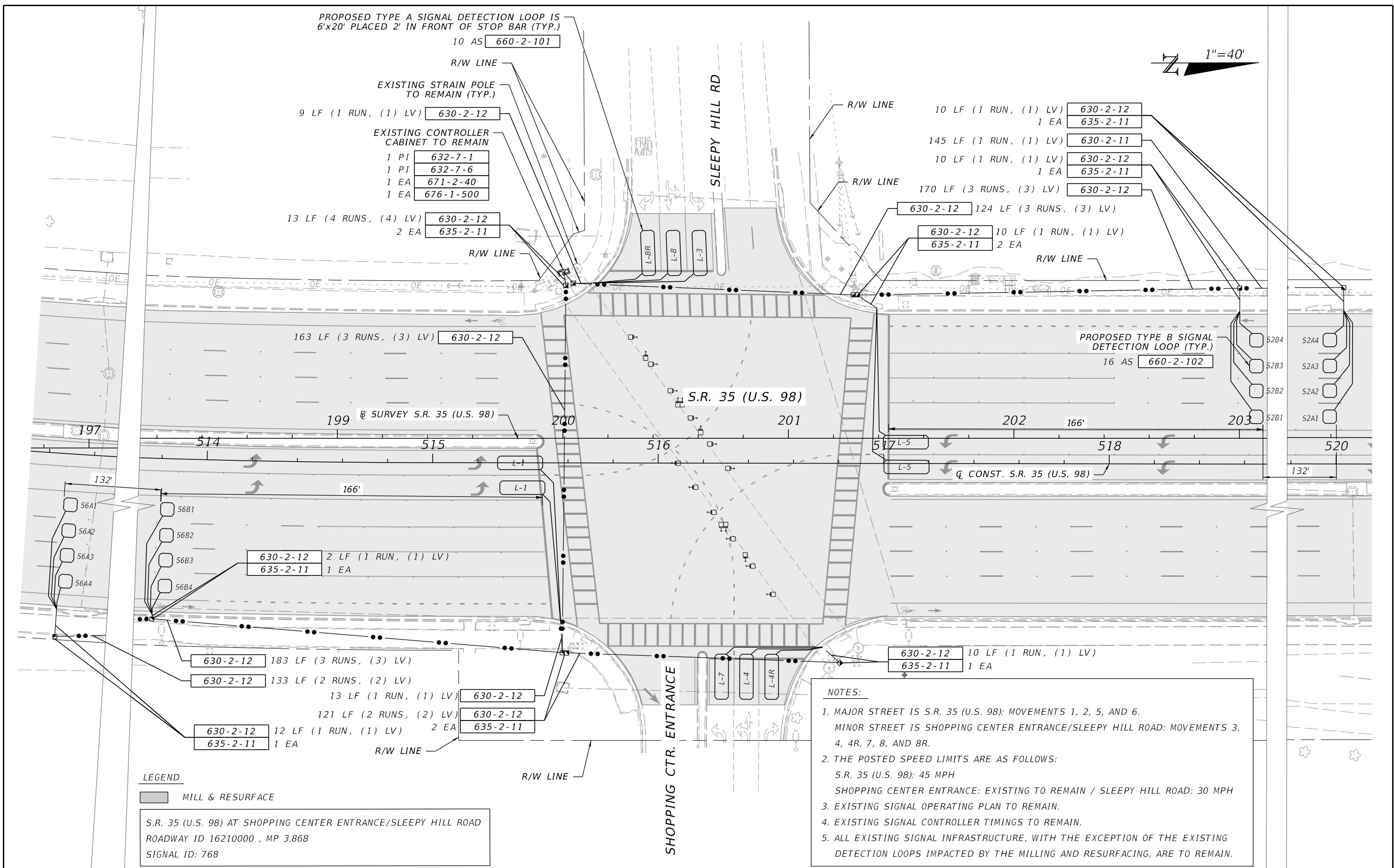
7. 676-1-500:
CORE-DRILL EXISTING CONTROLLER CABINET BASE AND INSTALL NEW CONDUITS IF SPARE CONDUIT STUB-OUTS CANNOT BE USED. INSTALL NEW CONDUITS INTO THE EXISTING FOUNDATION AS REQUIRED IN PLANS. WHEN ADDITIONAL CONDUITS ARE REQUIRED, THE CONDUIT SHALL BE A MINIMUM OF 2" IN DIAMETER. LOCATE NEW CONDUITS SO THEY WILL NOT OBSTRUCT THE MAINTENANCE OF EQUIPMENT IN THE CABINET OR THE ANCHORING OF THE CABINET FLANGE TO THE CONCRETE FOUNDATION. PROTECT INTERNAL CABINET AND EQUIPMENT FROM DUST AND DEBRIS CAUSED BY CORE DRILLING.

IF THE CONTROLLER CABINET BASE CANNOT ACCOMMODATE ADDITIONAL CONDUITS VIA CORE DRILLING, CONTROLLER MODIFICATION INCLUDES A COMPLETE BASE RECONSTRUCTION.

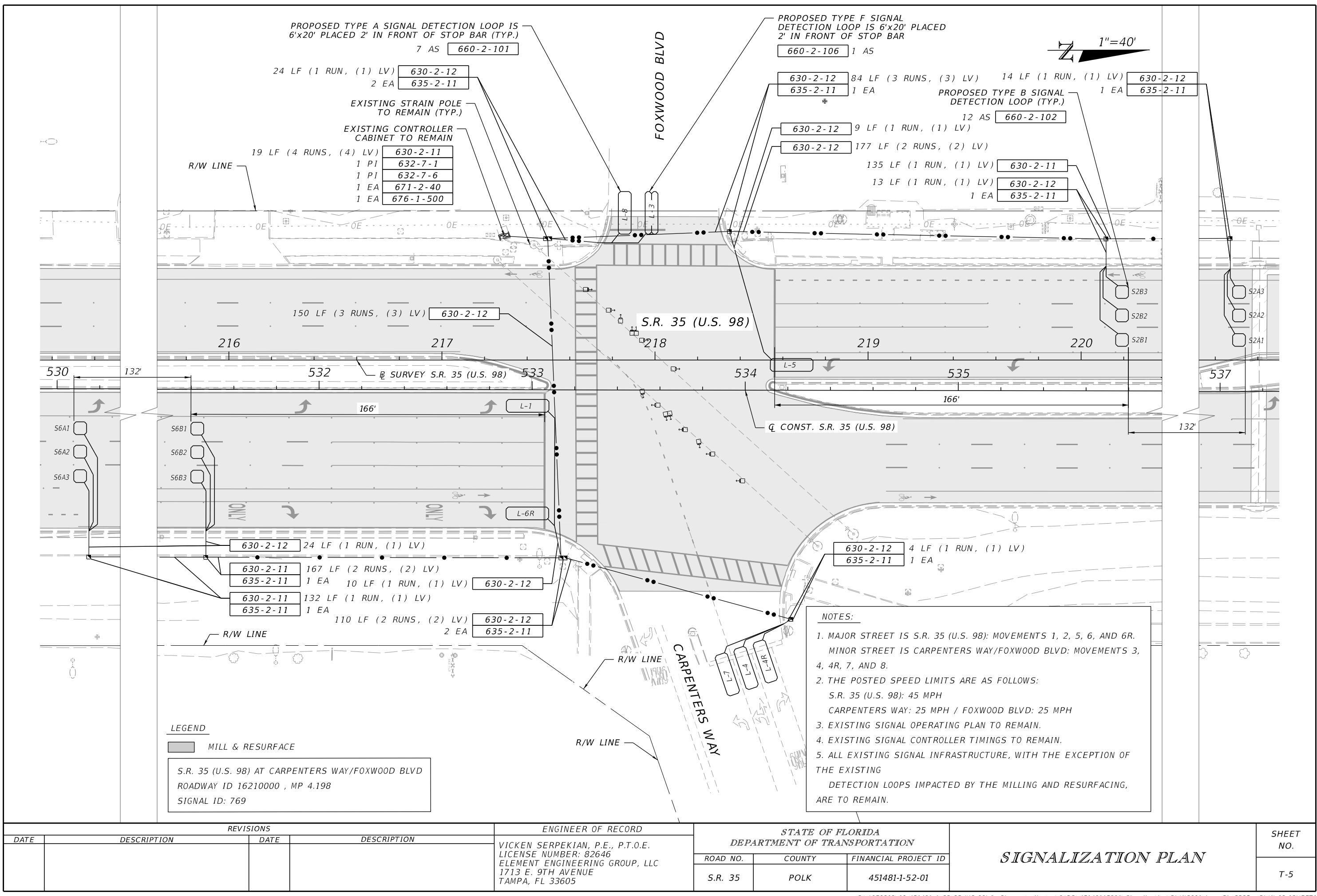
REVISIONS				ENGINEER OF RECORD	STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			GENERAL NOTES	SHEET NO. T-2
DATE	DESCRIPTION	DATE	DESCRIPTION	VICKEN SERPEKIAN, P.E., P.T.O.E. LICENSE NUMBER: 82646 ELEMENT ENGINEERING GROUP, LLC 1713 E. 9TH AVENUE TAMPA, FL 33605	ROAD NO.	COUNTY	FINANCIAL PROJECT ID		
					S.R. 35	POLK	451481-1-52-01		

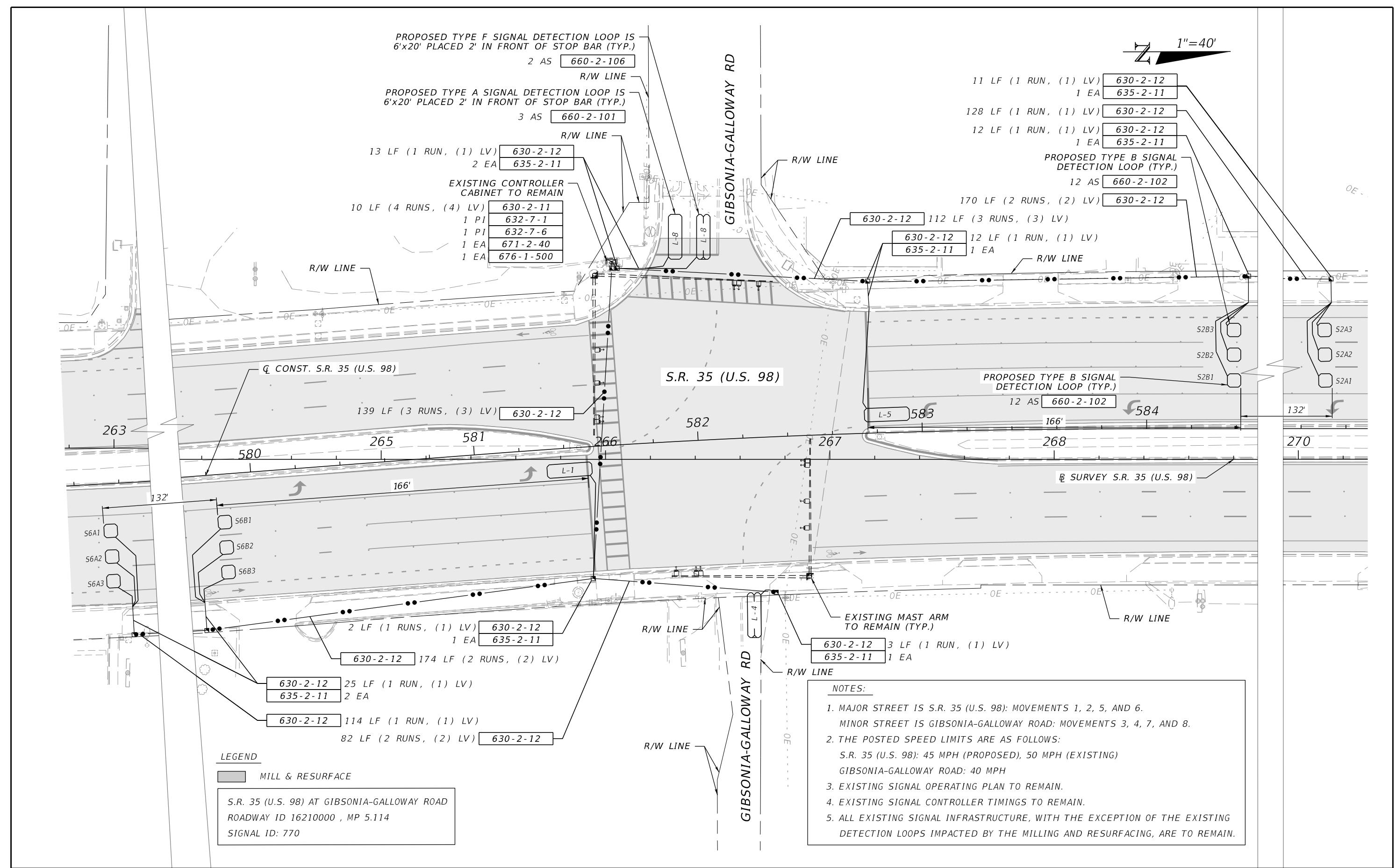


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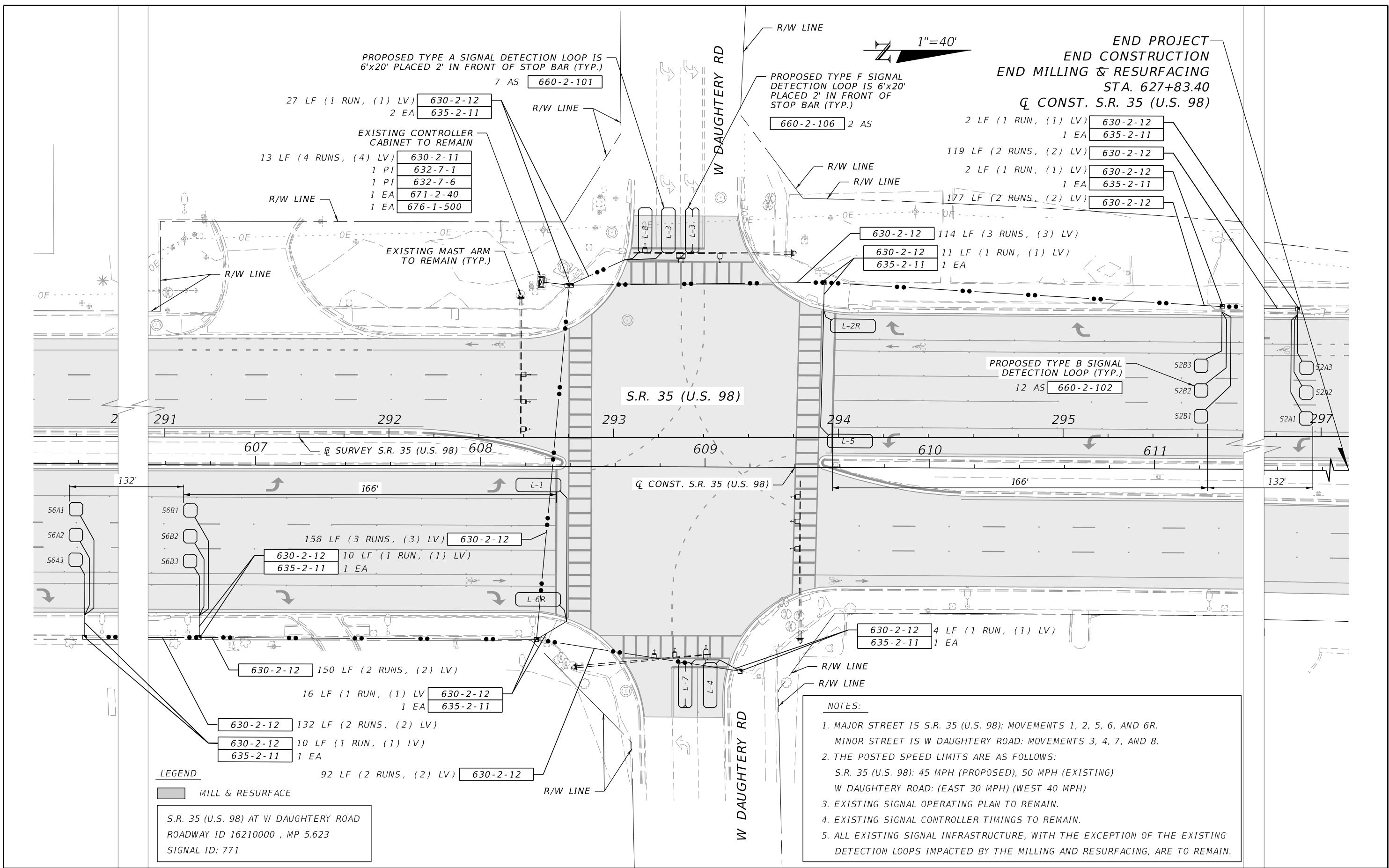


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THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23:004, F.A.C.

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