

**FINAL PLANS**  
**07-15-2024**

**CITY OF TAMPA**  
**MOBILITY DEPARTMENT**

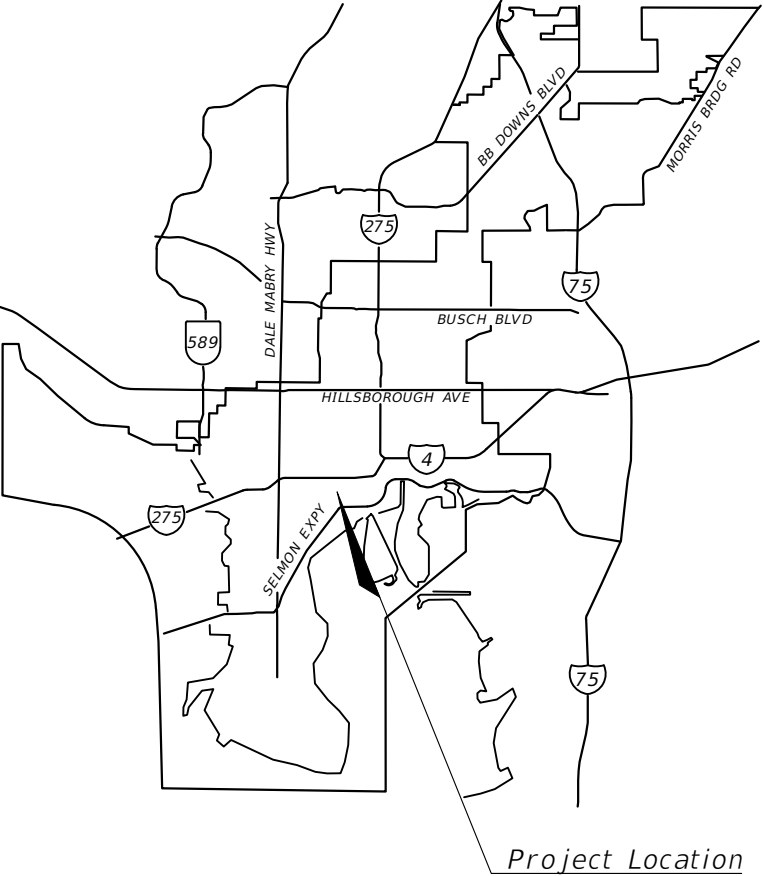
**CONTRACT PLANS**

HOWARD AVE - SWANN AVE TO KENNEDY BLVD  
TOTAL PROJECT LENGTH IS 0.47 MILES

**SIGNING AND PAVEMENT MARKING PLANS**

INDEX OF SIGNING AND PAVEMENT MARKING PLANS

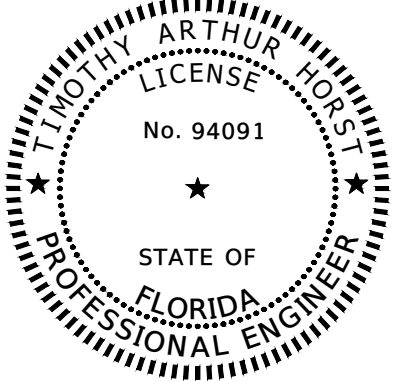
SHEET NO.	SHEET DESCRIPTION
1	KEYSHEET
2	QUANTITIES
3	NOTES
4	DETAILS
5-9	SIGNING AND PAVEMENT MARKING PLANS
10	SIGNALIZATION PLAN



Timothy Arthur Horst, Professional Engineer, State of Florida, License No. 94091

This item has been digitally signed and sealed by Timothy Arthur Horst, P.E. using a Digital Signature and date.

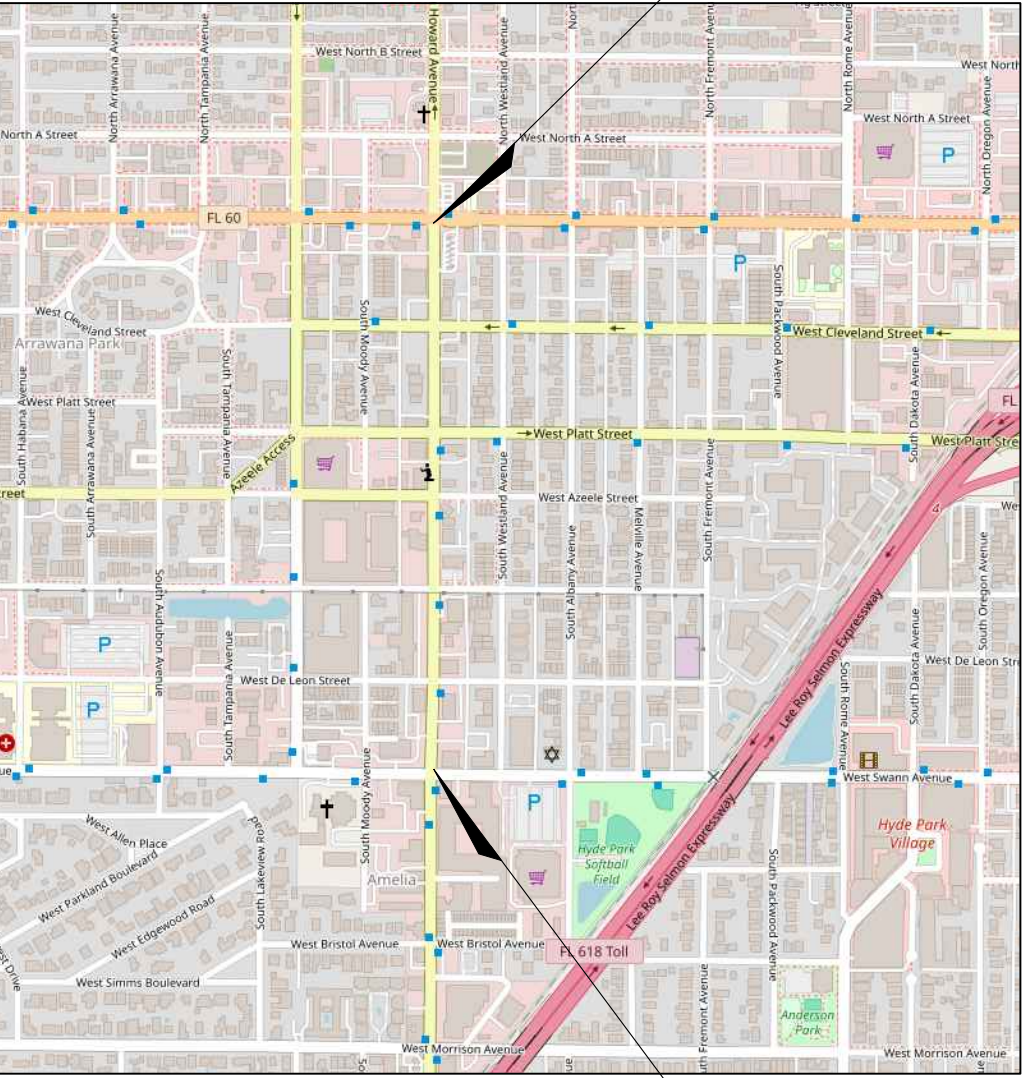
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CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
T-0000	2024	1

HOWARD AVE  
ENGINEER OF RECORD:  
  
TIMOTHY ARTHUR HORST  
94091  
CITY OF TAMPA PROFESSIONAL ENGINEER  
TRANSPORTATION AND STORMWATER SERVICES  
DEPARTMENT  
306 E JACKSON ST  
TAMPA, FLORIDA 33602  
CONTRACT NO.:  
VENDOR NO.:  
CERTIFICATE OF AUTHORIZATION NO.:

GOVERNING STANDARDS AND SPECIFICATIONS  
FLORIDA DEPARTMENT OF TRANSPORTATION FY  
2023-24 DESIGN STANDARDS AND REVISED  
INDEX DRAWING AS APPENDED HEREIN, AND  
FY 2023-24 STANDARD SPECIFICATIONS FOR  
ROAD AND BRIDGE CONSTRUCTION, AS  
AMENDED BY CONTRACT DOCUMENTS AND THE  
CITY OF TAMPA.



Ending of Project STA. 36+78.38

Beginning of Project STA. 11+08.45



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GENERAL NOTES:

1. CITY OF TAMPA STANDARD DRAWINGS ARE AVAILABLE AT THE CITY HALL ANNEX, 306 E. JACKSON STREET, 6TH FLOOR, EAST WING.
2. CALL SUNSHINE (1-800-432-4770) AT LEAST 48 HOURS PRIOR TO ANY CONSTRUCTION ACTIVITY.
3. WHEN IN CONFLICT, UTILITY POLES, GAS LINES, UNDERGROUND ELECTRIC AND TELEPHONE CABLES WILL BE RELOCATED BY THE RESPECTIVE UTILITY OWNERS AT THEIR OWN EXPENSE AS DIRECTED BY THE ENGINEER.
4. SPECIAL CARE MUST BE TAKEN TO PROTECT WATER LINES DURING CONSTRUCTION. PROVIDE SUPPORTS AS NECESSARY.
5. STREET SIGNS AND STREET MARKERS SHALL BE REMOVED AND RELOCATED AS DIRECTED BY THE ENGINEER. ANY LOST OR DAMAGED SIGNS OR MARKERS SHALL BE REPLACED.
6. PROJECT WAS NOT SURVEYED. ALL STATIONS WERE GENERATED THROUGH MAP INFORMATION. SIGN LOCATIONS WITH OFFSETS WERE DEVELOPED BY FIELD MEASUREMENTS. FIELD ADJUSTMENTS MAY BE REQUIRED BY THE ENGINEER FOR SIGNING AND PAVEMENT MARKING INSTALLATIONS.

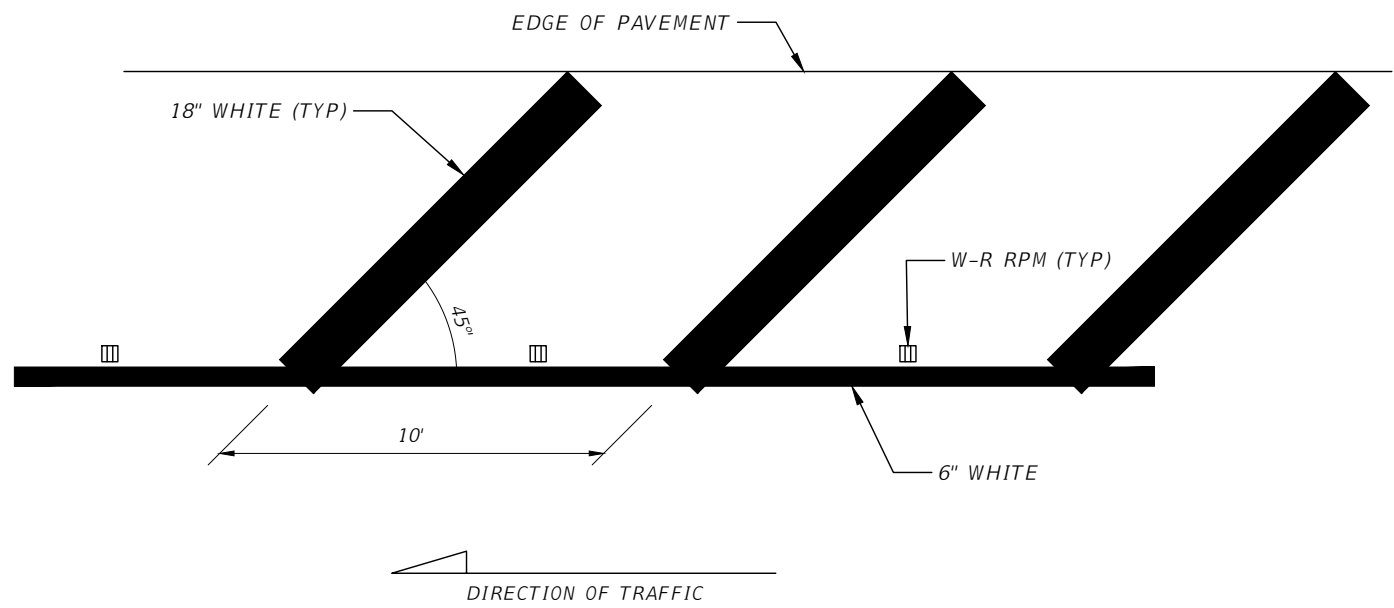
TRAFFIC CONTROL NOTES:

1. SET UP WORK ZONE SIGNS IN ACCORDANCE WITH THE APPROPRIATE FDOT STANDARD INDEX 102 SERIES.
2. TRAFFIC FLOW SHALL BE MAINTAINED ALONG AFFECTED ROADWAYS AT ALL TIMES.
3. POSTED SPEED LIMITS SHALL BE MAINTAINED AT ALL TIMES.
4. ACCESS TO BUSINESSES AND/OR RESIDENTIAL PROPERTIES SHALL BE MAINTAINED AT ALL TIMES.
5. EXISTING DRAINAGE PATTERNS SHALL BE MAINTAINED AT ALL TIMES.
6. THE CONTRACTOR SHALL ADHERE TO FDOT STANDARD INDEX 102 WITH REGARDS TO DROP OFFS IN WORK ZONES.

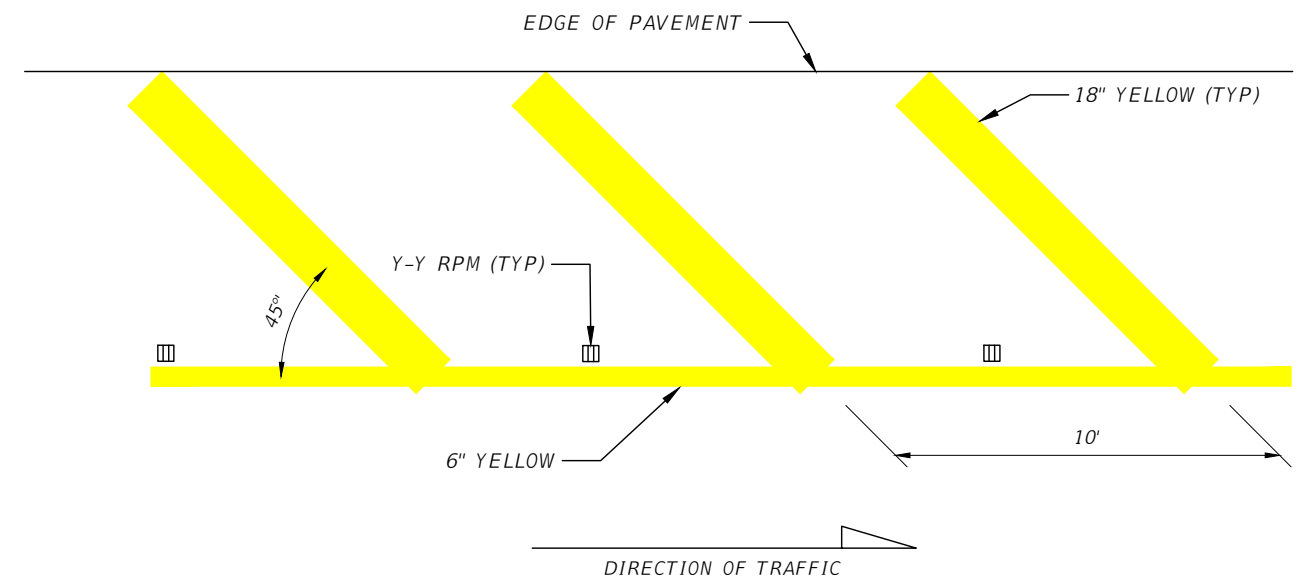
SIGNING AND PAVEMENT MARKING GENERAL NOTES:

1. PAVEMENT MARKINGS SHALL BE PLACED AS SHOWN IN THE PLANS WITH THE APPROPRIATE FDOT DESIGN STANDARD INDEX AND MUTCD ADHERENCE. ALL PAVEMENT MARKINGS SHALL BE REINSTALLED ACCORDING TO EXISTING MARKINGS UNLESS OTHERWISE NOTED.
2. CAUTION SHOULD BE EXERCISED WHILE RELOCATING EXISTING SIGNS SO AS TO PREVENT DAMAGE TO THE SIGNS. IF THE SIGNS ARE DAMAGED BEYOND USE, AS DETERMINED BY THE ENGINEER, THEY SHALL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE.
3. THE SIGN AND PAVEMENT MARKING LOCATIONS ARE APPROXIMATE AND MAY REQUIRE FIELD ADJUSTMENT AS DIRECTED BY THE ENGINEER.
4. ANY EXISTING SIGN TO REMAIN THAT IS DISTURBED DURING CONSTRUCTION SHALL BE RESET TO CURRENT STANDARDS FOR HEIGHT, OFFSET AND METHOD OF INSTALLATION.
5. IF REMOVAL OF EXISTING MARKINGS IS REQUIRED, IT SHALL BE DONE BY HYDRO-BLASTING OR MICRO-GRINDING IF APPROVED BY THE ENGINEER.
6. REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH CURRENT FDOT STANDARD INDEX 706-001.
7. INSTALL PROPOSED SIGNS ACCORDING TO FDOT INDEX NO. 700-101 (TYPICAL SECTIONS FOR PLACEMENT OF SINGLE & MULTI-COLUMN SIGNS) UNLESS OTHERWISE NOTED OR AS DIRECTED BY THE ENGINEER.
8. WHEN UPGRADING OR INSTALLING PEDESTRIAN CROSSWALKS, PED RAMPS SHALL BE MADE ADA COMPLIANT IF NEEDED.
9. ANY VEGETATION INTERFERING WITH THE VISIBILITY OF THE EXISTING AND/OR PROPOSED SIGNS SHALL BE TRIMMED OR REMOVED UNTIL FULL VISIBILITY IS RESTORED.
10. REFER TO FDOT DESIGN MANUAL 223.3 FOR SHARED LANE MARKINGS (SHARROWS).

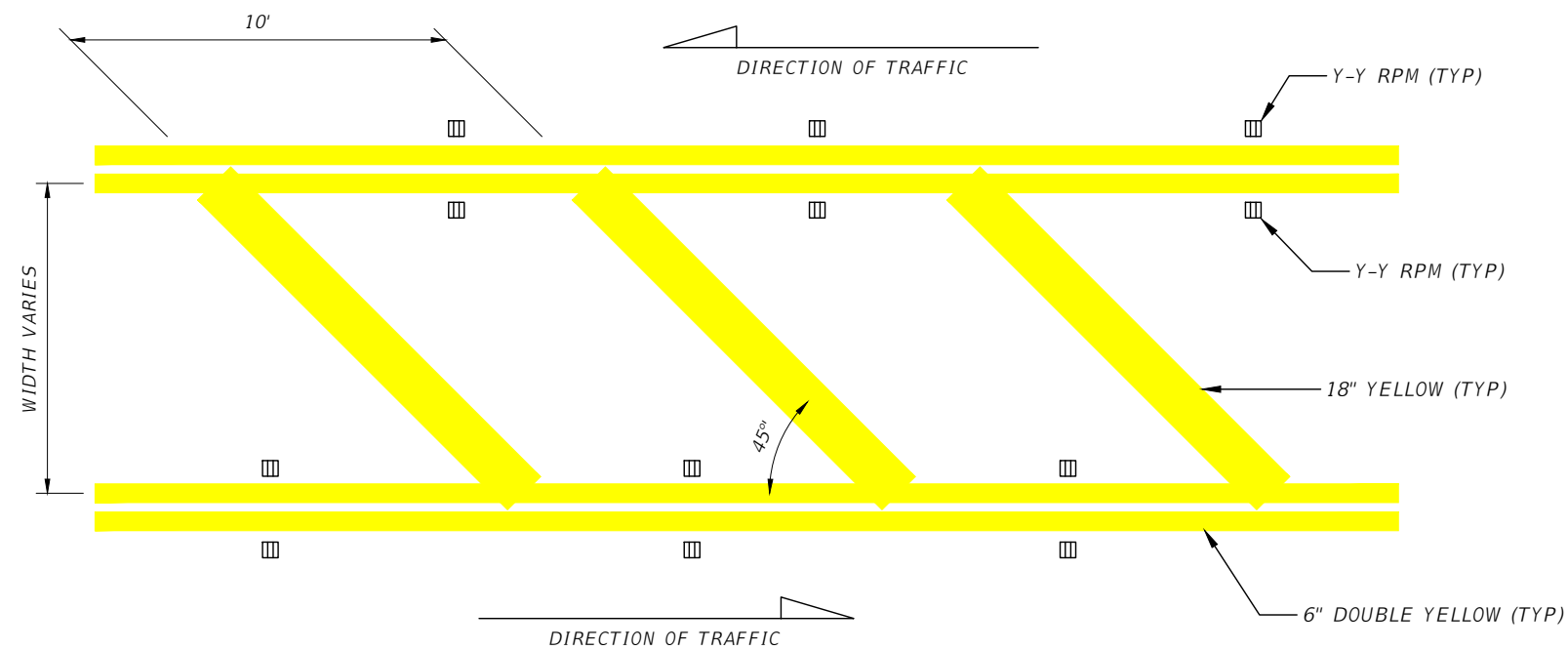
R E V I S I O N S				TIMOTHY ARTHUR HORST, P.E. P.E. LICENSE NUMBER 94091 CITY OF TAMPA 306 E. JACKSON ST TAMPA, FL 33602 CERTIFICATE OF AUTHORIZATION ----	CITY OF TAMPA MOBILITY DEPARTMENT			<i>NOTES</i>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD NO.	COUNTY	FINANCIAL PROJECT ID		3
----					HOWARD AVE	HILLSBOROUGH	----		



GORE AREA DETAIL



GORE AREA DETAIL OUTSIDE LANE



TRAFFIC SEPARATION GORE AREA DETAIL

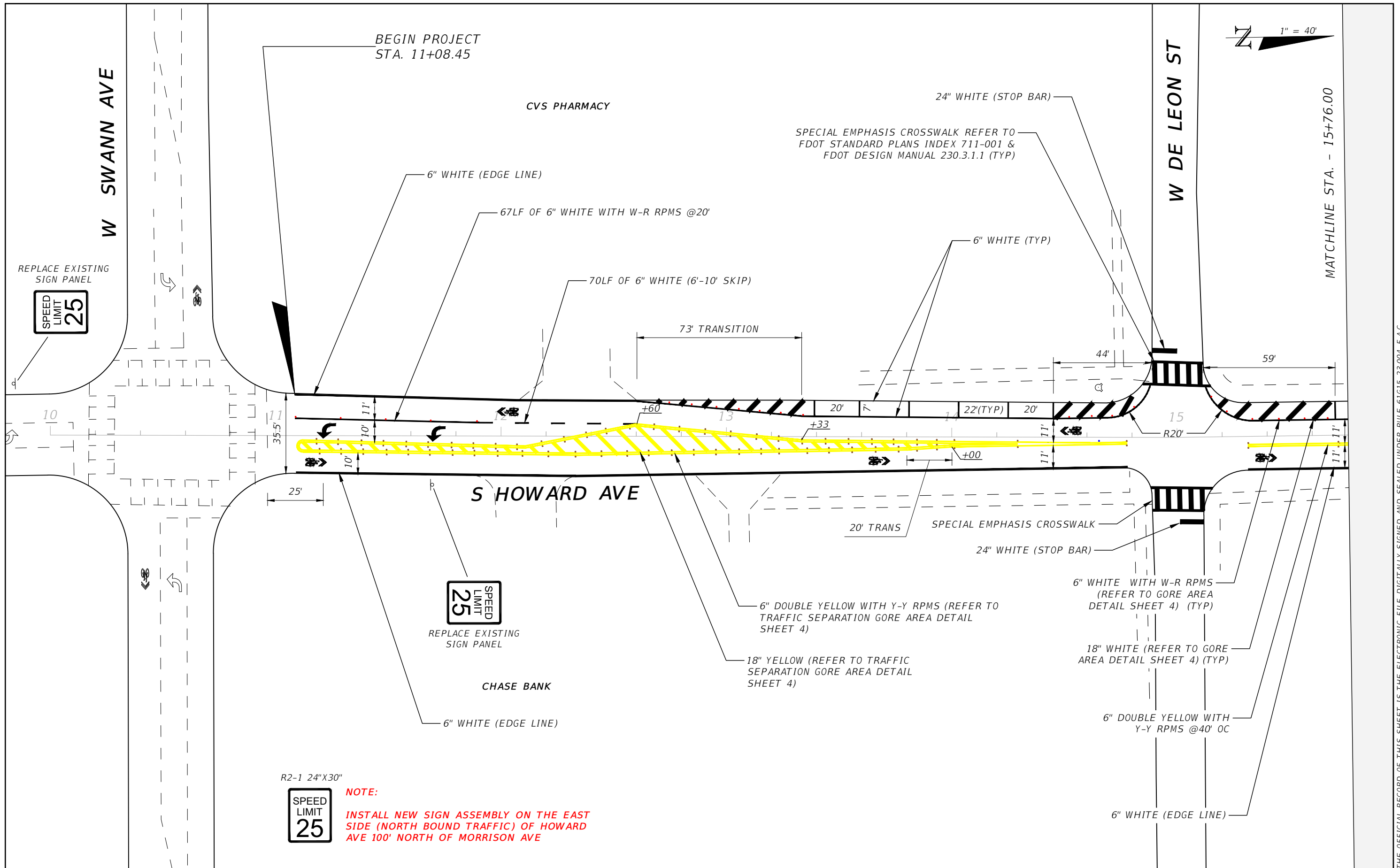
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
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TIMOTHY ARTHUR HORST, P.E.  
P.E. LICENSE NUMBER 94091  
CITY OF TAMPA  
306 E. JACKSON ST  
TAMPA, FL 33602  
CERTIFICATE OF AUTHORIZATION ----

CITY OF TAMPA MOBILITY DEPARTMENT		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
HOWARD AVE	HILLSBOROUGH	----

*DETAILS*

SHEET NO.  
4



R2-1 24" X 30"  
**SPEED LIMIT 25**  
**NOTE:**  
**INSTALL NEW SIGN ASSEMBLY ON THE EAST SIDE (NORTH BOUND TRAFFIC) OF HOWARD AVE 100' NORTH OF MORRISON AVE**

REVISIONS			
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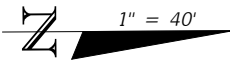
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**SIGNING AND PAVEMENT MARKING PLAN**

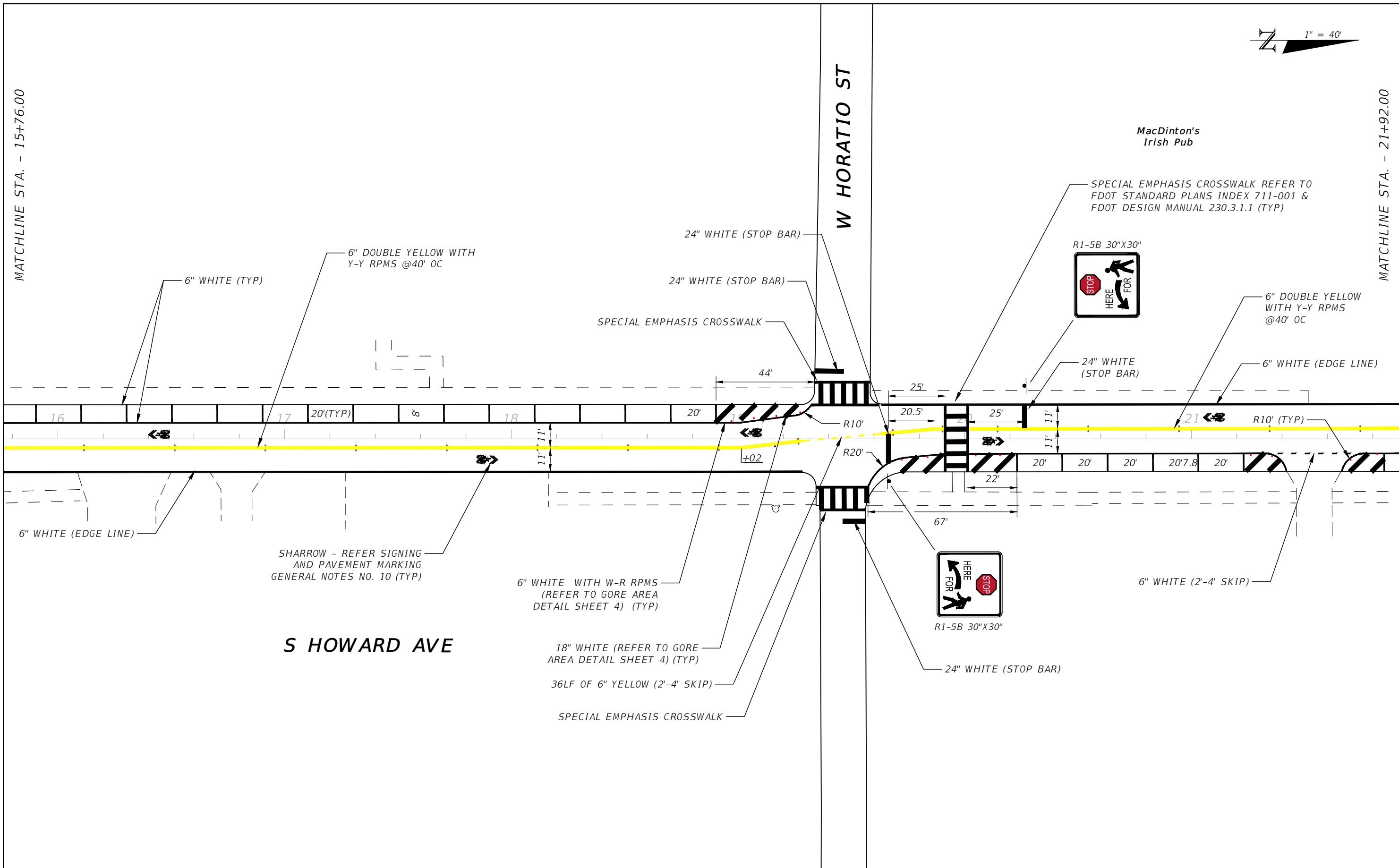
SHEET NO.  
5

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MATCHLINE STA. - 15+76.00

MATCHLINE STA. - 21+92.00



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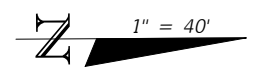
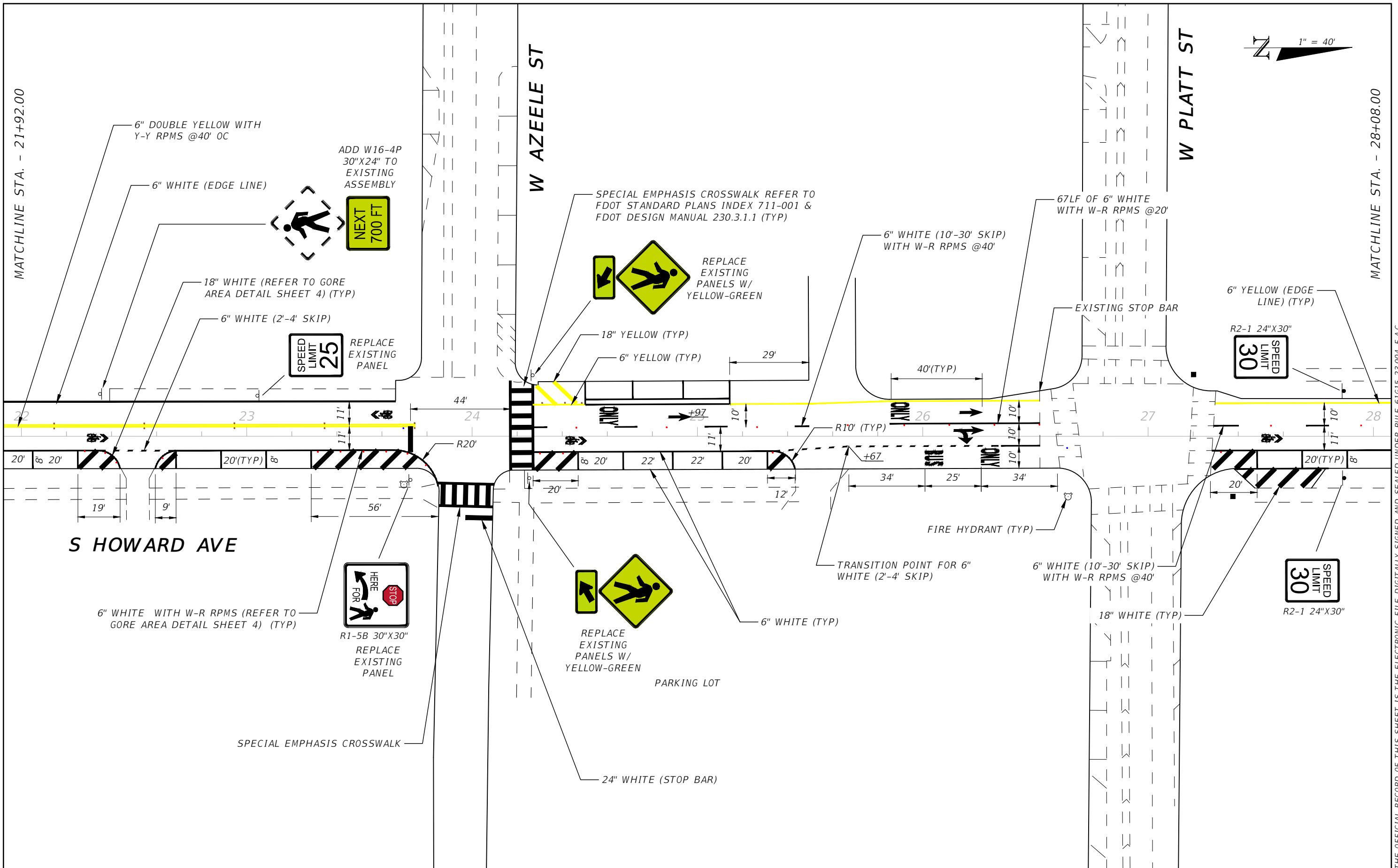
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CITY OF TAMPA MOBILITY DEPARTMENT		
ROAD NO.	COUNTY	FINANCIAL PROJECT ID
HOWARD AVE	HILLSBOROUGH	----

**SIGNING AND PAVEMENT  
MARKING PLAN**

SHEET NO.  
**6**



MATCHLINE STA. - 21+92.00

MATCHLINE STA. - 28+08.00

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION
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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
HOWARD AVE	HILLSBOROUGH	----

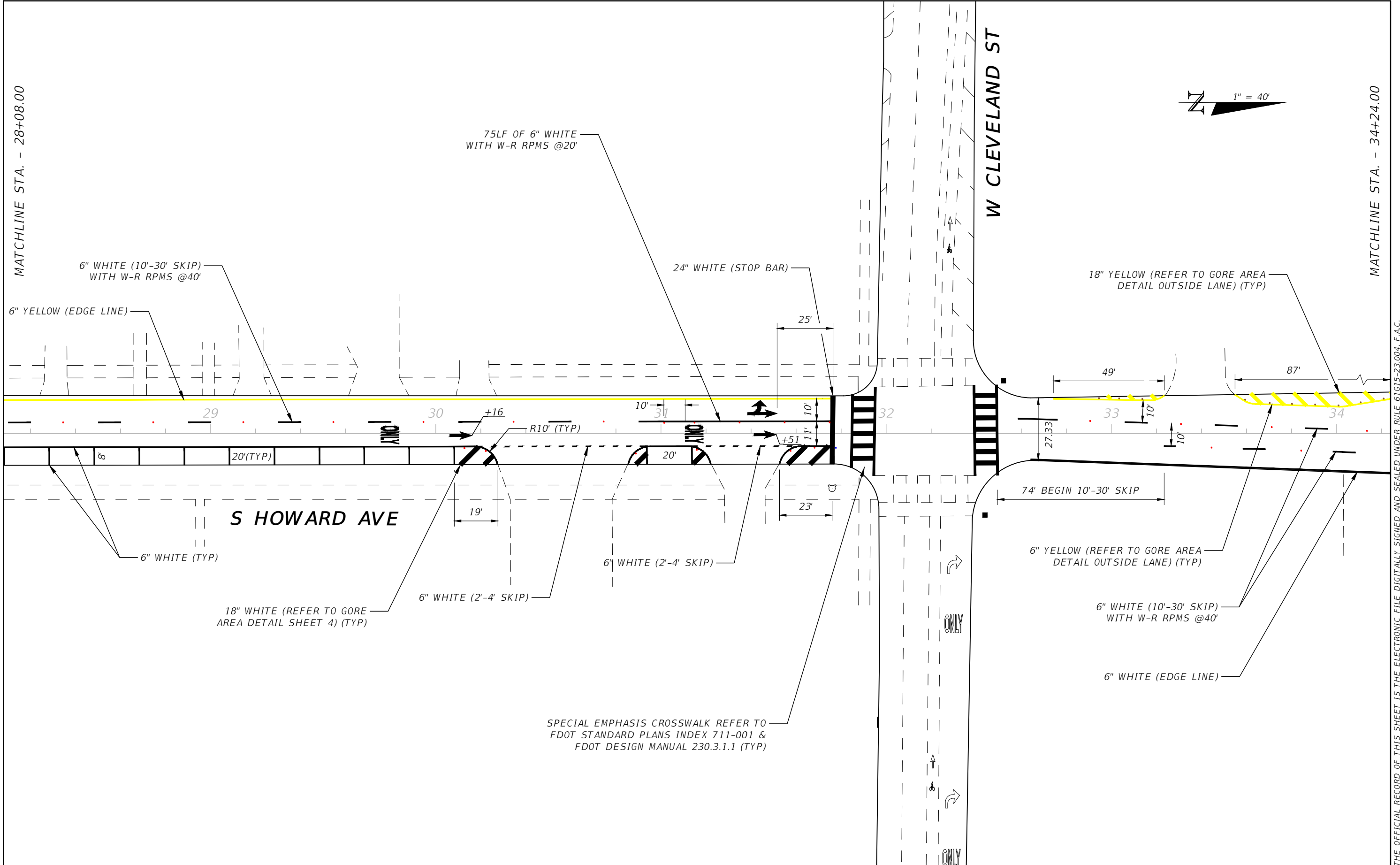
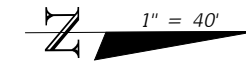
**SIGNING AND PAVEMENT  
MARKING PLAN**

SHEET NO.  
7

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MATCHLINE STA. - 28+08.00

MATCHLINE STA. - 34+24.00



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ROAD NO.	COUNTY	FINANCIAL PROJECT ID
HOWARD AVE	HILLSBOROUGH	----

**SIGNING AND PAVEMENT  
MARKING PLAN**

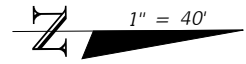
SHEET NO.  
8

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END PROJECT  
STA. 36+78.58

MATCHLINE STA. - 34+24.00



CAR WASH

W KENNEDY BLVD

6" YELLOW (EDGE LINE)

6" WHITE (EDGE LINE)

225LF OF 6" WHITE WITH  
R-W RPMS @ 20' OC

24" WHITE (STOP BAR)

FIRE HYDRANT

CIRCLE K

N HOWARD AVE

REVISIONS			
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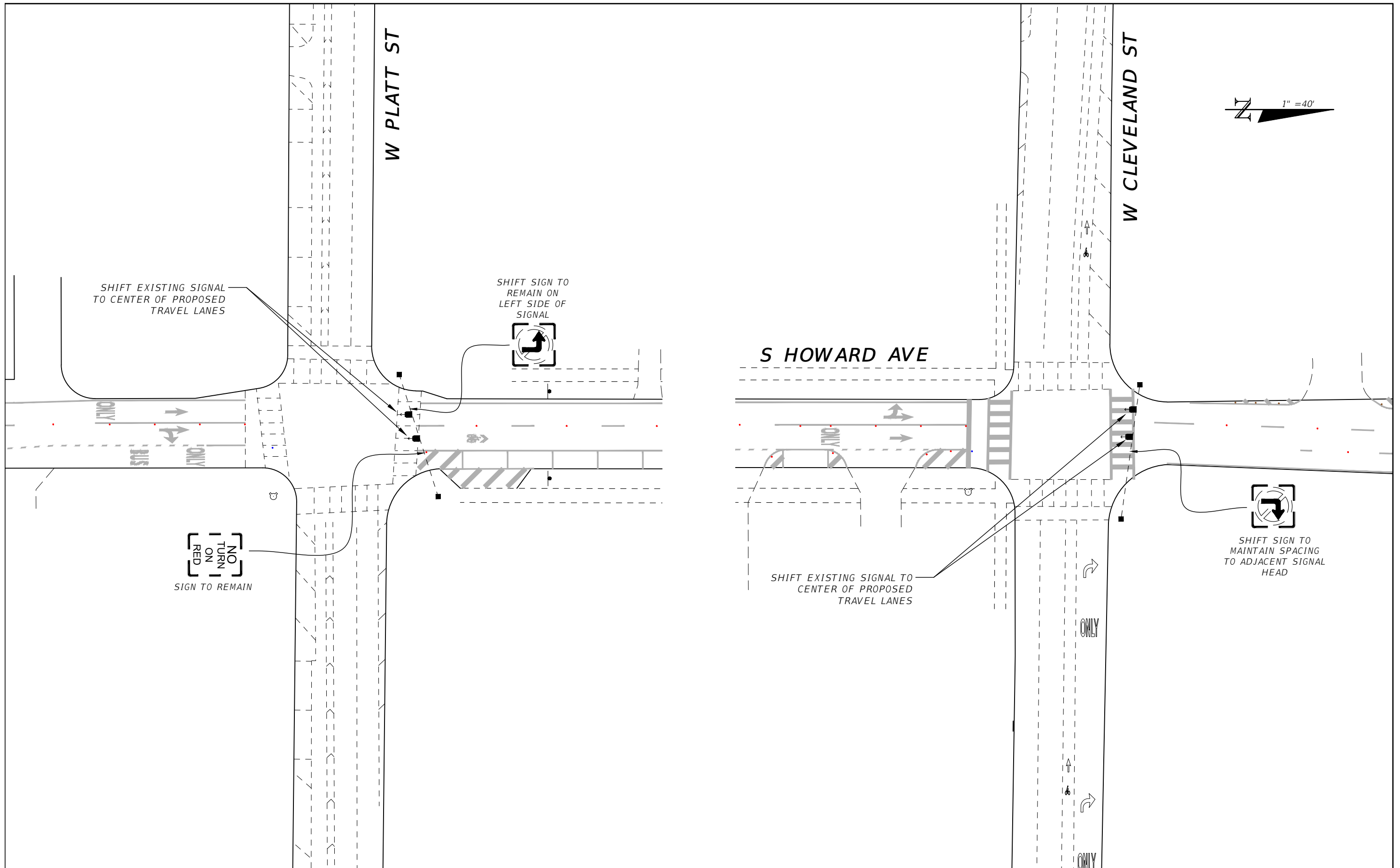
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**SIGNING AND PAVEMENT  
MARKING PLAN**

SHEET  
NO.  
**9**

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**SIGNALIZATION PLAN**

SHEET NO.  
10