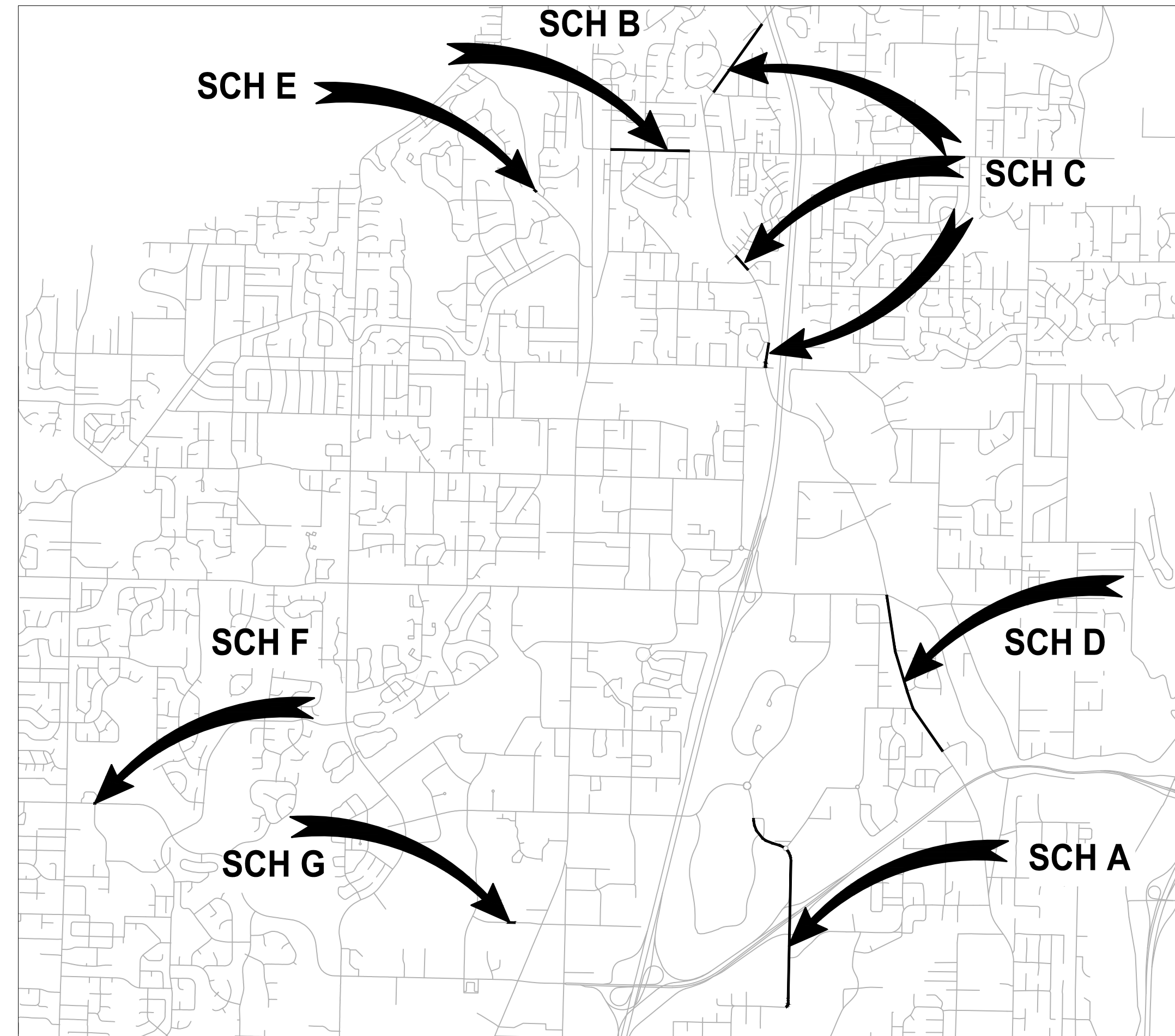


# City of Federal Way Public Works Department 2022 PAVEMENT REPAIR PROJECT PROJECT # 11223

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03	DETAILS	DETAILS	---
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20	D-02	SITE PREP, PAVING & CHANNELIZATION PLAN	SCH D STA 31+00 - STA 41+00
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29	TCP4	INTERSECTION LANE CLOSURE-FIVE LANE ROADWAY	--



RFB # 22-005

APPROVED FOR CONSTRUCTION  
  
 EJ WALSH P.E.  
 PUBLIC WORKS DIRECTOR  
 6/16/2022  
 DATE

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DESIGNED: J. HUYNH  
REVIEWED: C. MULLEN  
APPROVED: C. MULLEN



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<h2>2022 PAVEMENT REPAIR PROJECT</h2> <h3>COVER SHEET AND INDEX</h3>	CITY PROJECT #: <b>11223</b>  SHEET <b>COVER</b>  01 OF 29
--	--

# LEGEND

EXISTING		EXISTING	
MIC	MONUMENT IN CASE	Ⓣ	TELEPHONE MANHOLE
MON	SURFACE MONUMENT	Ⓣ	TELEPHONE RISER
△	PK NAIL	Ⓣ	TELEPHONE VAULT LID
RC	REBAR & CAP	Ⓣ	TELEPHONE POLE
⊗	SPOT SHOT (DESCRIBED)	Ⓣ	TV MANHOLE
□	CATCH BASIN	Ⓣ	TV RISER
⊕	STORM DRAIN MANHOLE	Ⓣ	TV VAULT LID
⊕	YARD DRAIN	Ⓣ	FIBER OPTIC MANHOLE
⊕	DOWNSPOUT	Ⓣ	FIBER OPTIC VAULT LID
SD	STORM DRAIN CLEAN-OUT	Ⓣ	GAS VALVE
^	CULVERT	Ⓣ	GAS METER
○	SEWER MANHOLE	Ⓣ	GAS MANHOLE
SS	SEWER CLEAN-OUT	Ⓣ	WATER VALVE
⊕	POWER POLE	Ⓣ	WATER METER
⊕	POWER POLE W/UNDERGROUND CONNECT	Ⓣ	WATER MANHOLE
⊕	POWER POLE WITH LUMINAIRE	Ⓣ	WATER VAULT LID
⊕	PWR POLE W/LUMINAIRE & UNDRD CONNECT	Ⓣ	FIRE HYDRANT
⊕	POWER MANHOLE	Ⓣ	BLOW-OFF
⊕	POWER RISER	Ⓣ	FIRE DEPARTMENT CONNECT
⊕	POWER VAULT LID	Ⓣ	POST INDICATOR VALVE
⊕	POWER TRANSFORMER	Ⓣ	HOSE BIB
⊕	POWER METER	Ⓣ	IRRIGATION CONTROL VALVE
⊕	POWER OUTLET	Ⓣ	UTILITY MANHOLE (GENERIC/UNK)
⊕	HIGH VOLTAGE POWER POLE	Ⓣ	UTILITY VAULT LID (GENERIC/UNK)
⊕	HIGH VOLTAGE PWR POLE W/UNDRD CONNECT	Ⓣ	UTILITY CLEAN-OUT (GENERIC/UNK)
⊕	GUY POLE	Ⓣ	UTILITY RISER (GENERIC/UNK)
→	GUY ANCHOR	Ⓣ	STAND-PIPE (GENERIC/UNK)
⊕	TRAFFIC SIGNAL	Ⓣ	UTILITY ACCESS (GENERIC/UNK)
⊕	TRAFFIC SIGNAL WITH LUMINAIRE	Ⓣ	BORE SITE (WITH FIELD DESC)
⊕	PEDESTRIAN SIGNAL	Ⓣ	MONITORING WELL
⊕	JUNCTION BOX	Ⓣ	GUARD POST
⊕	TRAFFIC CONTROL CABINET	Ⓣ	BOULDER
⊕	BACKUP POWER SUPPLY	Ⓣ	SIGN
⊕	INTERCONNECT CABINET	Ⓣ	MAILBOX (# OF BOXES)
⊕	ELECTRICAL SERVICE CABINET	Ⓣ	SHRUB
⊕	TRAFFIC ATTENUATOR LOOP	Ⓣ	STUMP, DIAMETER
⊕	STREET LIGHT (LUMINAIRE)	Ⓣ	SNAG, DIAMETER (# OF TRUNKS)
⊕	LOT LIGHT	Ⓣ	DECIDUOUS TREE, DIA (# OF TRUNKS)
⊕	YARD LIGHT	Ⓣ	CONIFEROUS TREE, DIA (# OF TRUNKS)
⊕	RAILROAD CROSSING ARM		
⊕	RAILROAD CROSSING SIGNAL		

PROPOSED		PROPOSED	
⊕	MONUMENT	—XXX—	CONTOUR
⊕	STORMDRAIN MANHOLE	—>—>—	DITCH FLOWLINE
⊕	CATCH BASIN	—	EDGE OF PAVEMENT
⊕	AREA DRAIN	====	CONCRETE CURB & GUTTER
SD	STORMDRAIN CLEAN-OUT	- - - - -	SAWCUT
^	CULVERT	.....	LIMITS OF GRADING
Ⓣ	SEWER MANHOLE	—SD—	STORMDRAIN
Ⓣ	SIGN	—UD—	UNDERDRAIN
MB	MAILBOX	—SS—	SANITARY SEWER
GP	BOLLARD	—W—	WATER
+	BORE / POTHOLE LOCATION	—IRR—	IRRIGATION
⊕	SHRUB	—G—	GAS
⊕ <sup>XX"</sup>	DECIDUOUS TREE, DIA (# OF TRUNKS)	—UE—	UNDERGROUND POWER
⊕ <sup>XX"</sup>	CONIFEROUS TREE, DIA (# OF TRUNKS)	—TEL—	TELECOMMUNICATION
⊕	BOULDER	—OE—	OVERHEAD UTILITY LINE
⊕	STREET LIGHT (LUMINAIRE)	—FO—	CITY FIBER
⊕	TRAFFIC SIGNAL, POLE & MAST ARM	—C—	CUT LINE
⊕	TRAFFIC SIGNAL POLE & MAST ARM W/ LUMINAIRE ARM	—F—	FILL LINE
⊕	PEDESTRIAN PUSHBUTTON POLE	—x—x—x—	FENCE - CHAINLINK
⊕	TRAFFIC / ILLUM J-BOX	—o—o—o—o—	FENCE - WOOD
⊕	TRAFFIC CONTROL CABINET		
BPS	BACKUP POWER SUPPLY		
⊕	ELECTRICAL SERVICE CABINET		
⊕	TRAFFIC SIGNAL VEHICLE DETECTION		
FO	CITY FIBER OPTIC VAULT / J-BOX		
⊕	FESTIVAL OUTLET		
⊕	POWER POLE		
→	POWER POLE GUY ANCHOR		
⊕	POWER POLE W/ LUMINAIRE		
P	POWER VAULT LID / J-BOX		
△	POWER TRANSFORMER		
⊕	POWER METER		
T	TELECOMM VAULT / J-BOX		
PED	UTILITY PEDESTAL		
⊕	GAS VALVE		
⊕	GAS METER		
⊕	WATER VALVE		
⊕	WATER METER		
W	WATER VAULT LID		
⊕	FIRE HYDRANT		
⊕	BLOW-OFF		

# ABBREVIATIONS

ABND	ABANDONED	MW	MONITORING WELL
AC	ASPHALT	N	NORTHING/NORTH
AC	ASBESTOS CEMENT WATER PIPE	NO	NUMBER
ACP	ASPHALT CONCRETE PAVEMENT	NTS	NOT TO SCALE
ADA	AMERICANS WITH DISABILITIES ACT	OC	ON CENTER
AP	ANGLE POINT	OD	OUTSIDE DIAMETER
AVE	AVENUE	OH	OVERHEAD UTILITIES
BLDG	BUILDING	PC	POINT OF CURVATURE
BMP	BEST MANAGEMENT PRACTICE	PCC	POINT OF CURVE ON CURVE
BOW	BACK OF WALK	PE	POLYETHYLENE
CB	CATCH BASIN	PG	PERFORMANCE GRADE
CDF	CONTROLLED DENSITY FILL	PI	POINT OF INTERSECTION
CI	CAST IRON	PIV	POST INDICATOR VALVE
CL	CENTERLINE	POB	POINT OF BEGINNING
CL	CLASS	POC	POINT OF CONNECTION
CO	CLEANOUT	POE	POINT OF ENDING
CONC	CONCRETE	PRC	POINT OF REVERSE CURVATURE
CONT	CONTAINER	PT	POINT OF TANGENCY
DCVA	DOUBLE CHECK VALVE ASSEMBLY	PVC	POLYVINYL CHLORIDE
DI	DUCTILE IRON	PVI	POINT OF VERTICAL INTERSECTION
DIA #	DIAMETER	R	RADIUS
CFW	CITY OF FEDERAL WAY	RJ	RESTRAINED JOINT
CSBC	CRUSHED SURFACING BASE COURSE	RT	RIGHT
E	EASTING/EAST	S	SLOPE/SOUTH
EL	ELEVATION	SD	STORM DRAIN
ELEV	ELEVATION	SDP	STORM DRAIN PIPE
EOP	EDGE OF PAVEMENT	SEW	SEWER
EX	EXISTING	SHT	SHEET
EXIST	EXISTING	SSMH	SANITARY SEWER MANHOLE
FDC	FIRE DEPARTMENT CONNECTION	ST	STREET
FG	FINISHED GRADE	STA	STATION
FL	FLANGE	STD	STANDARD
FL	FLOWLINE	T	TANGENT LENGTH
HORIZ	HORIZONTAL	T1	TYPE 1 CATCH BASIN
HMA	HOT MIX ASPHALT	T2	TYPE 2 CATCH BASIN
ICV	IRRIGATION CONTROL VALVE	TOC	TOP OF CURB
ID	INSIDE DIAMETER	TOG	TOP OF GRATE
IE	INVERT ELEVATION	TYP	TYPICAL
L	LENGTH OF CURVE	VC	VERTICAL CURVE
LT	LEFT	VERT	VERTICAL
LF	LINEAR FEET	VLT	VAULT
LP	LOW POINT	W	WEST / WITH
MAX	MAXIMUM	WAT	WATER
MIN	MINIMUM	WSDOT	WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
MH	MANHOLE		
MIC	MONUMENT IN CASE		
MJ	MECHANICAL JOINT		

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**811**  
Know what's below.  
Call before you dig.

DRAFTED:	S. ALIZAI
DESIGNED:	J. HUYNH
REVIEWED:	C. MULLEN
APPROVED:	C. MULLEN



CHRISTINE J. MULLEN  
STATE OF WASHINGTON  
REGISTERED PROFESSIONAL ENGINEER  
16-Jan-2022

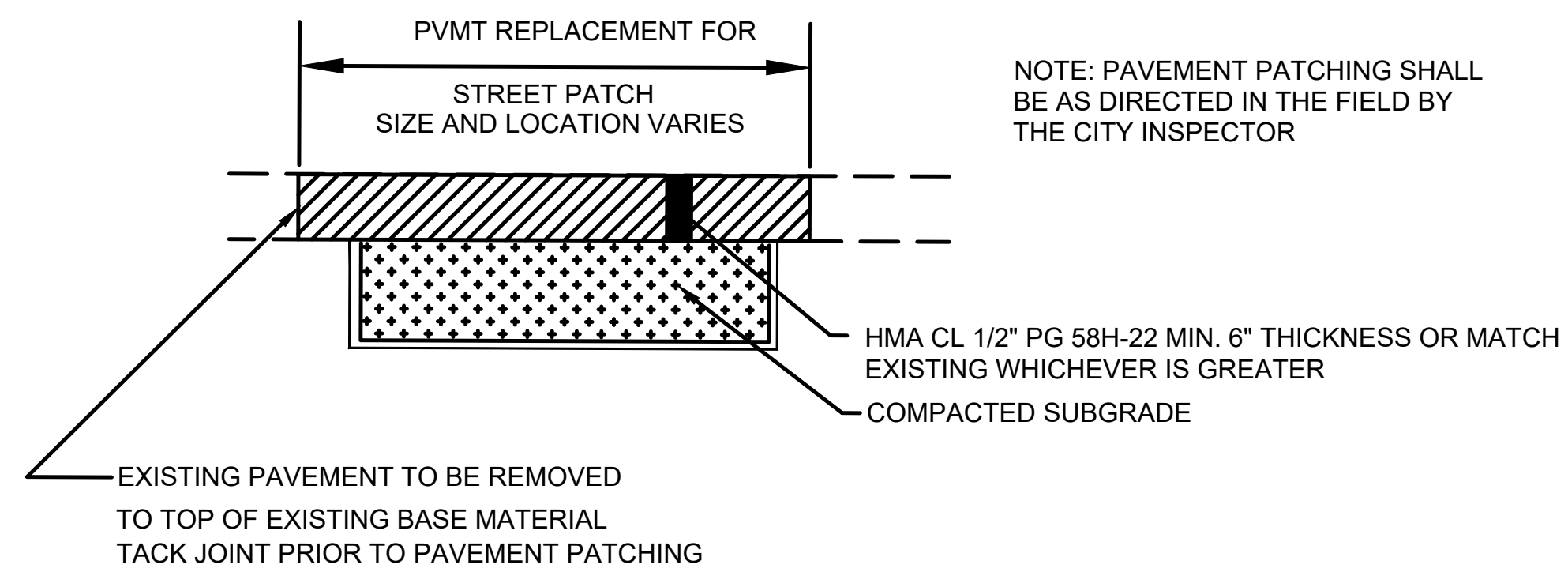
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**2022 PAVEMENT REPAIR PROJECT**

**LEGEND AND ABBREVIATIONS**

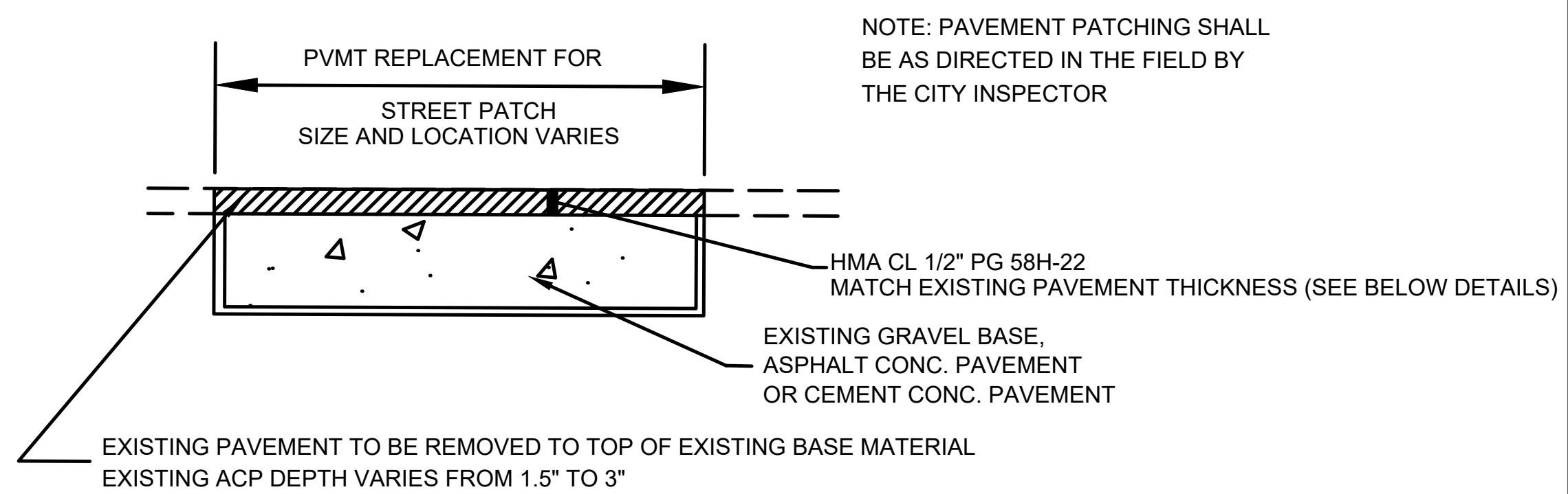
CITY PROJECT #:	11223
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	02 OF 29

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TYPICAL PAVEMENT PATCHING DETAIL

NTS



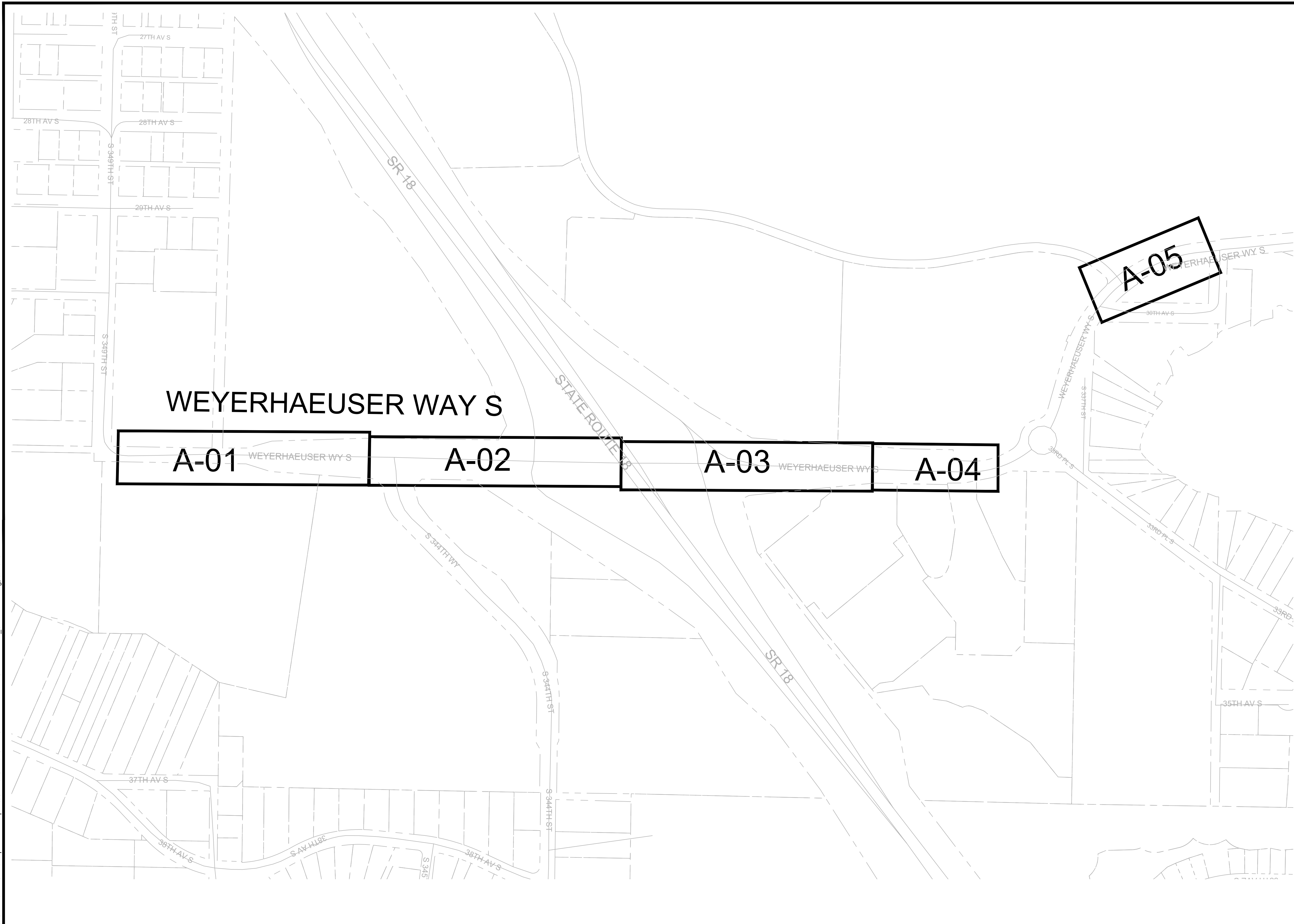
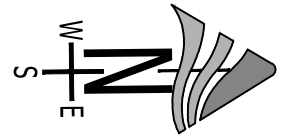
MILITARY ROAD SOUTH PAVEMENT PATCHING DETAILS

NTS

- SCHEDULE C - MILITARY ROAD S (N)
- STA:10+50 TO STA:15+00 - MATCH EXISTING PAVEMENT THICKNESS OR 3", WHICHEVER IS GREATER
- STA:34+40 TO STA:38+00 - MATCH EXISTING PAVEMENT THICKNESS OR 1.5", WHICHEVER IS GREATER
- STA:79+00 TO STA:100+00 - MATCH EXISTING PAVEMENT THICKNESS OR 3", WHICHEVER IS GREATER
- SCHEDULE D - MILITARY ROAD S (S)
- STA:21+00 TO STA:58+00 - MATCH EXISTING PAVEMENT THICKNESS OR 3", WHICHEVER IS GREATER

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 DESIGNED: J. HUYNH  
 REVIEWED: C. MULLEN  
 APPROVED: C. MULLEN



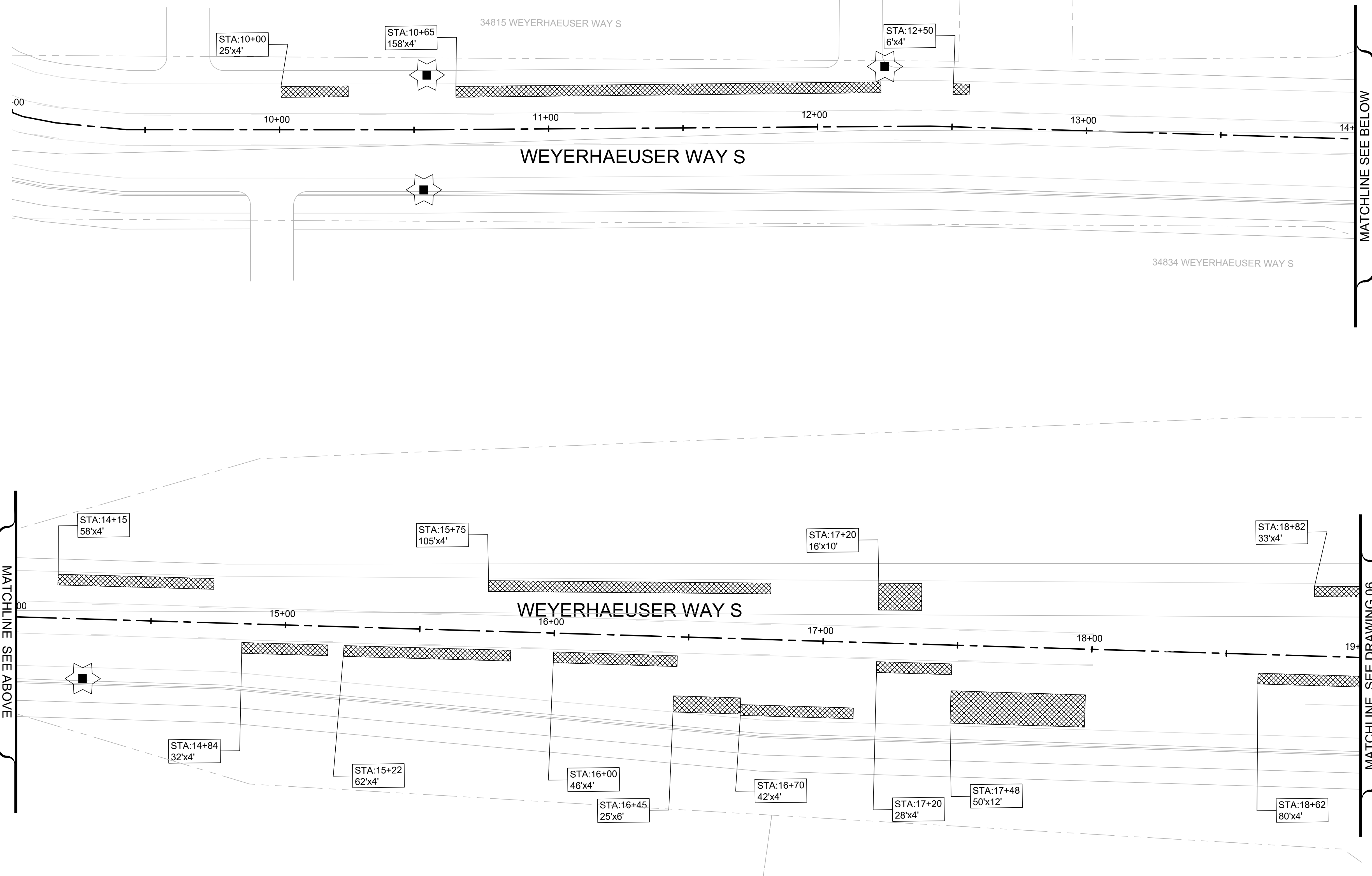
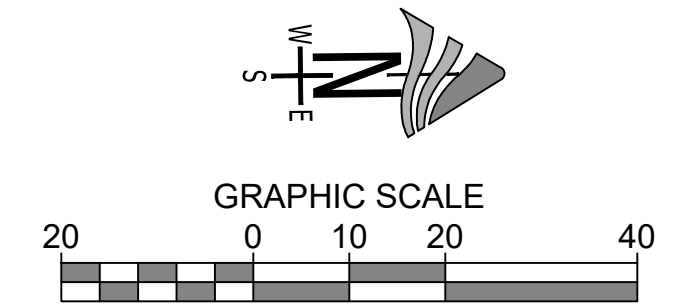
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**2022 PAVEMENT REPAIR PROJECT**

**SCHEDULE A KEY PLAN  
 WEYERHAEUSER WAY S**

CITY PROJECT #:  
**11223**  
 SHEET  
**KEY-A**  
 04 OF 29



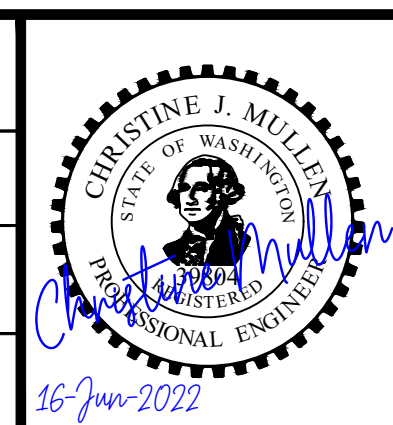
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 1) PLEASE REFER TO SHEET 03 FOR PAVEMENT REPAIR DETAILS.

- CONSTRUCTION NOTES**
- ① PLASTIC CROSSWALK LINE
  - ② PLASTIC STOP LINE
  - ③ PLASTIC LINE
  - ④ PLASTIC WIDE LINE
  - ⑤ PROFILED PLASTIC LINE
  - ⑥ PLASTIC TRAFFIC ARROW

- LEGEND:**
- PAVEMENT REPAIR
  - INLET PROTECTION INSERT

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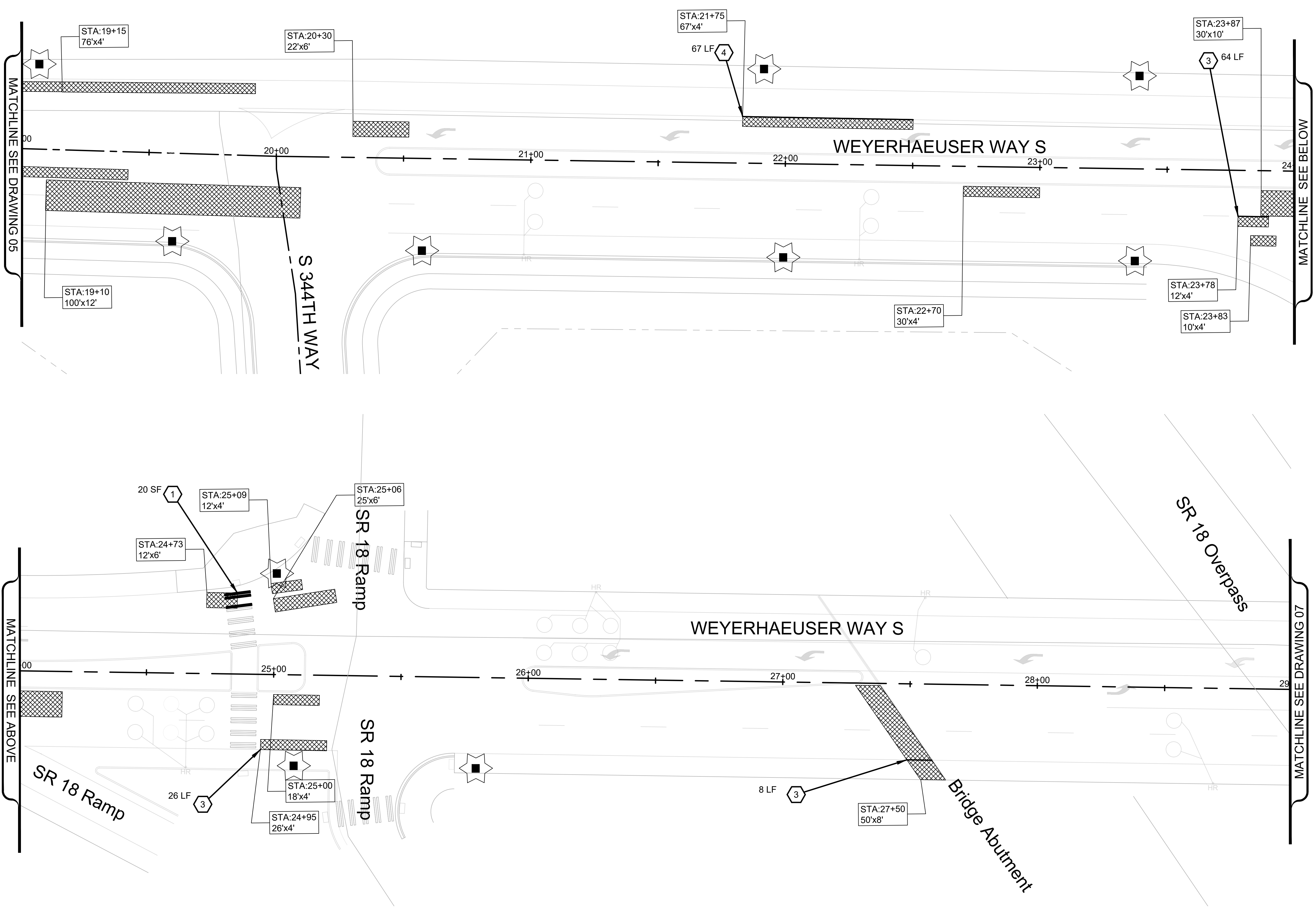
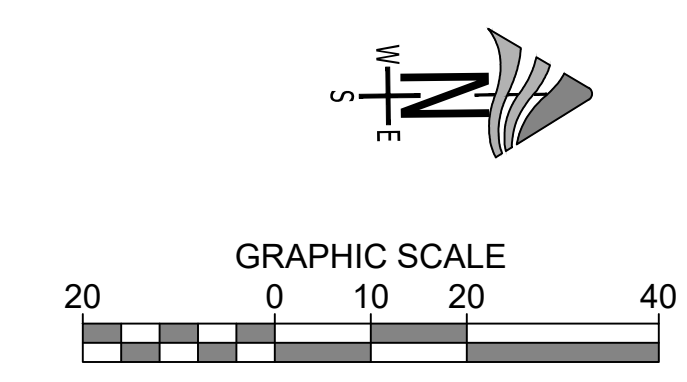
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 DESIGNED: J. HUYNH  
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 APPROVED: C. MULLEN



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**2022 PAVEMENT REPAIR PROJECT**  
**SITE PREP, PAVING & CHANNELIZATION PLAN**  
 SCH A STA 9+00 - STA 19+00

CITY PROJECT #:  
 11223  
 SHEET  
 A-01  
 05 OF 29



**GENERAL NOTES:**

- PLEASE REFER TO SHEET 03 FOR PAVEMENT REPAIR DETAILS.

- CONSTRUCTION NOTES**
- ① PLASTIC CROSSWALK LINE
  - ② PLASTIC STOP LINE
  - ③ PLASTIC LINE
  - ④ PLASTIC WIDE LINE
  - ⑤ PROFILED PLASTIC LINE
  - ⑥ PLASTIC TRAFFIC ARROW

- LEGEND:**
- PAVEMENT REPAIR
  - INLET PROTECTION INSERT

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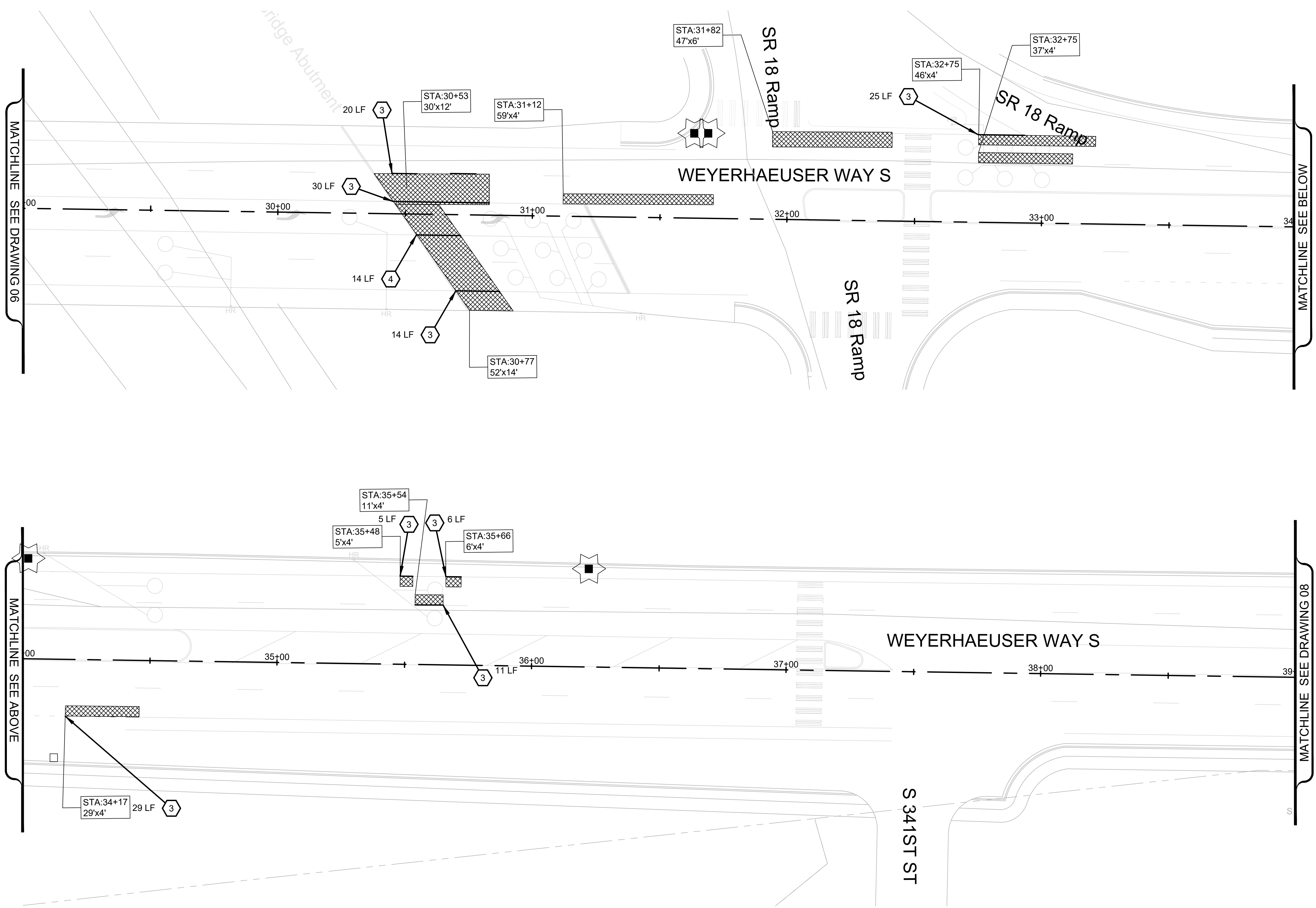
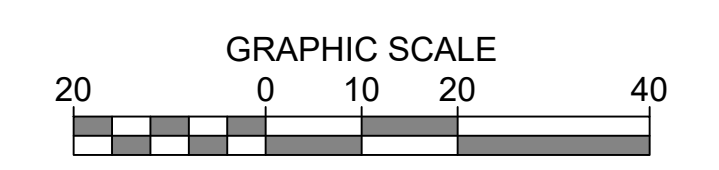
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**2022 PAVEMENT REPAIR PROJECT**  
**SITE PREP, PAVING & CHANNELIZATION PLAN**  
 SCH A STA 19+00 - STA 29+00

CITY PROJECT #:  
 11223  
 SHEET  
 A-02  
 06 OF 29



- GENERAL NOTES:**
- 1) PLEASE REFER TO SHEET 03 FOR PAVEMENT REPAIR DETAILS.
  - 2) THE CITY IS COORDINATING WITH WSDOT TO INSTALL A CAMERA IN ORDER TO CONVERT THIS INTERSECTION TO VIDEO DETECTION. CONTRACTOR TO CONFIRM WITH CITY THAT NEW CAMERA HAS BEEN INSTALLED PRIOR TO DISTURBING EXISTING LOOPS.

- CONSTRUCTION NOTES**
- ① PLASTIC CROSSWALK LINE
  - ② PLASTIC STOP LINE
  - ③ PLASTIC LINE
  - ④ PLASTIC WIDE LINE
  - ⑤ PROFILED PLASTIC LINE
  - ⑥ PLASTIC TRAFFIC ARROW

- LEGEND:**
- PAVEMENT REPAIR
  - INLET PROTECTION INSERT

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**2022 PAVEMENT REPAIR PROJECT**

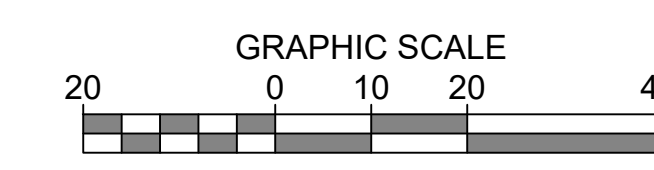
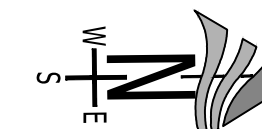
**SITE PREP, PAVING & CHANNELIZATION PLAN**

**SCH A STA 29+00 - STA 39+00**

CITY PROJECT #:  
**11223**

SHEET  
**A-03**

07 OF 29




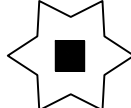
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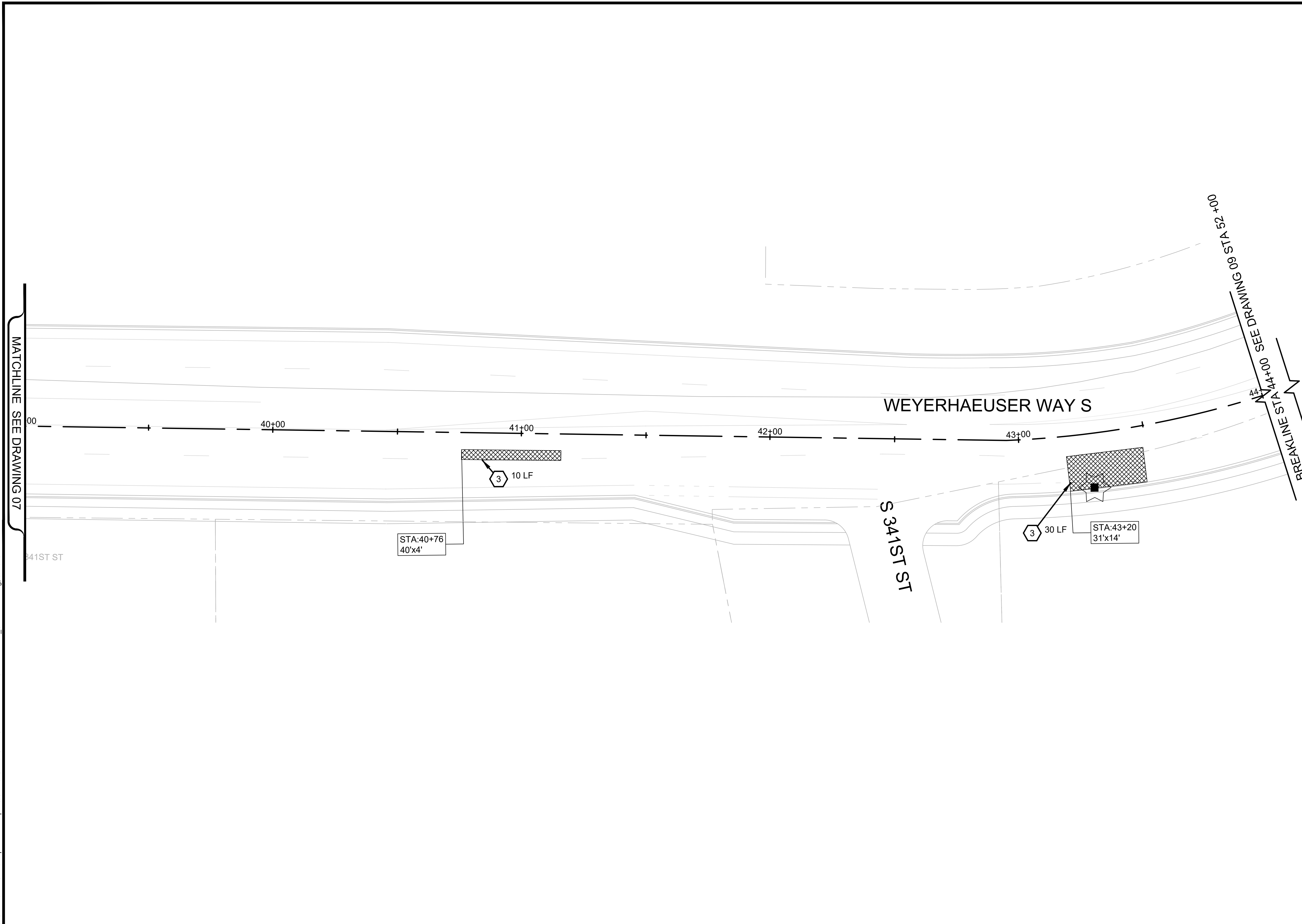
- 1) PLEASE REFER TO SHEET 03 FOR PAVEMENT REPAIR DETAILS.

**CONSTRUCTION NOTES**

- ① PLASTIC CROSSWALK LINE
- ② PLASTIC STOP LINE
- ③ PLASTIC LINE
- ④ PLASTIC WIDE LINE
- ⑤ PROFILED PLASTIC LINE
- ⑥ PLASTIC TRAFFIC ARROW

**LEGEND:**

-  PAVEMENT REPAIR
-  INLET PROTECTION INSERT



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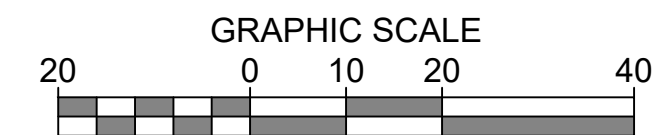
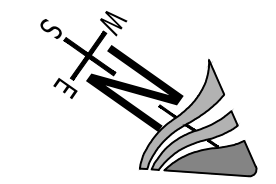


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**2022 PAVEMENT REPAIR PROJECT**  
**SITE PREP, PAVING & CHANNELIZATION PLAN**  
SCH A STA 39+00 - STA 44+00

CITY PROJECT #:  
**11223**  
SHEET  
**A-04**  
08 OF 29






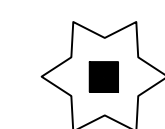
**GENERAL NOTES:**

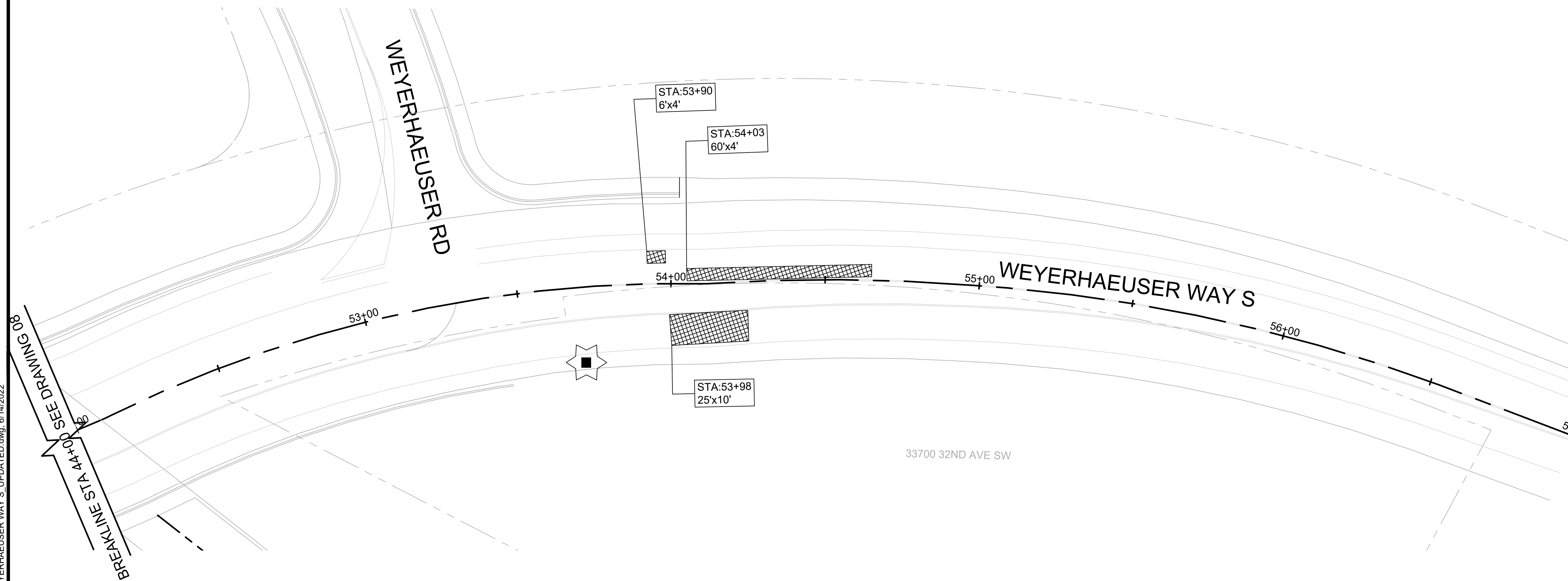
- 1) PLEASE REFER TO SHEET 03 FOR PAVEMENT REPAIR DETAILS.

**CONSTRUCTION NOTES**

- ① PLASTIC CROSSWALK LINE
- ② PLASTIC STOP LINE
- ③ PLASTIC LINE
- ④ PLASTIC WIDE LINE
- ⑤ PROFILED PLASTIC LINE
- ⑥ PLASTIC TRAFFIC ARROW

**LEGEND:**

-  PAVEMENT REPAIR
-  INLET PROTECTION INSERT



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DESIGNED: J. HUYNH  
REVIEWED: C. MULLEN  
APPROVED: C. MULLEN

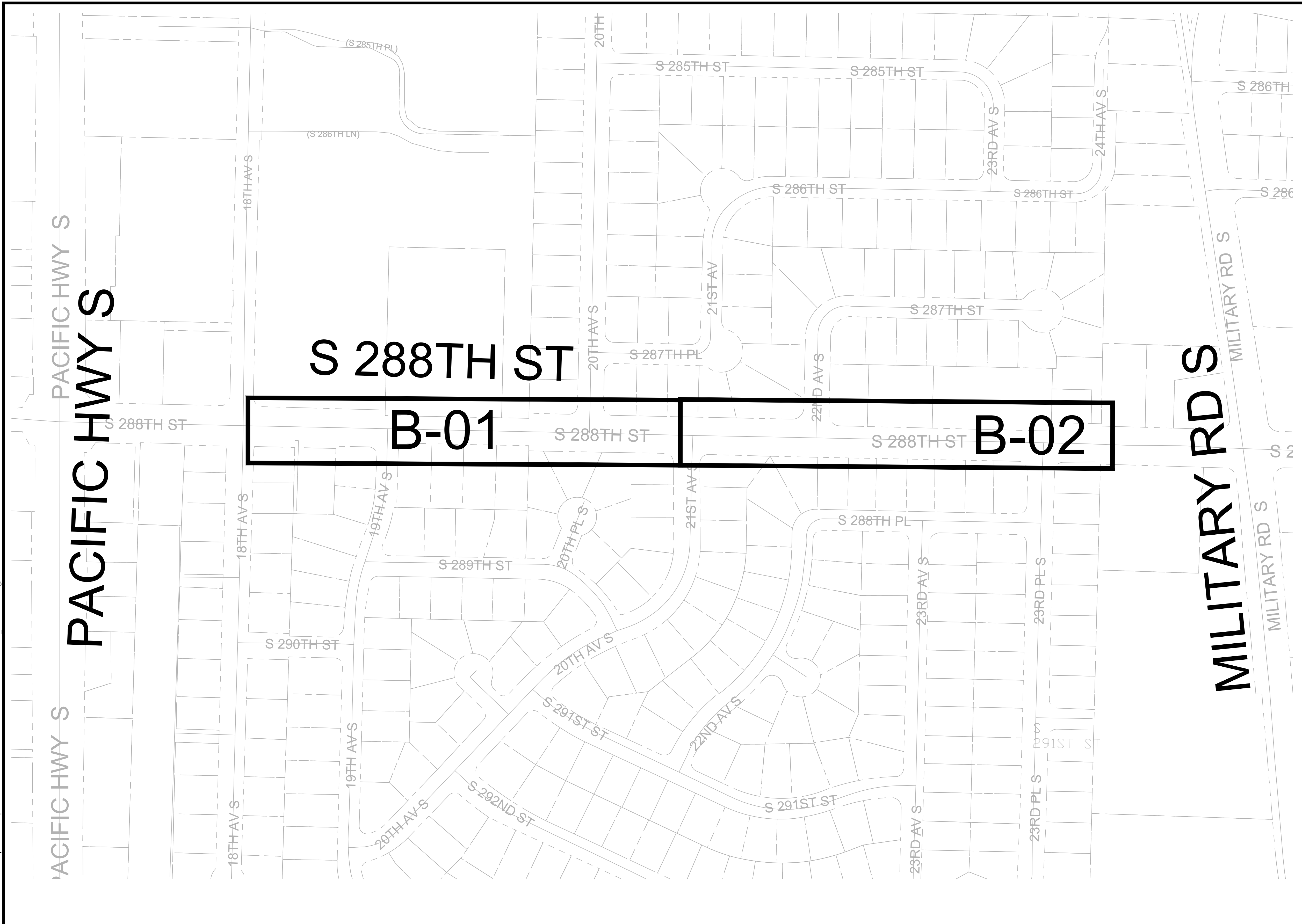


**DRAWING VERSION / REVISION LOG**

NO.	DATE	REVISION

**2022 PAVEMENT REPAIR PROJECT**  
**SITE PREP, PAVING & CHANNELIZATION PLAN**  
SCH A STA 52+00 - STA 57+00

CITY PROJECT #:  
**11223**  
SHEET  
**A-05**  
09 OF 29



S 288TH ST

B-01

B-02

PACIFIC HWY S

MILITARY RD S

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CHRISTINE J. MULLEN  
STATE OF WASHINGTON  
REGISTERED PROFESSIONAL ENGINEER  
16-Jun-2022

DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

**2022 PAVEMENT REPAIR PROJECT**

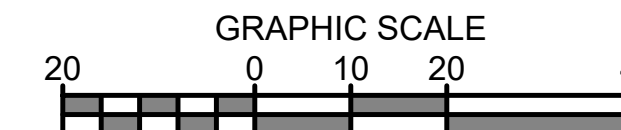
**SCHEDULE B KEY PLAN**  
S 288TH ST

CITY PROJECT #:  
11223

SHEET  
KEY-B

10 OF 29

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**GENERAL NOTES:**

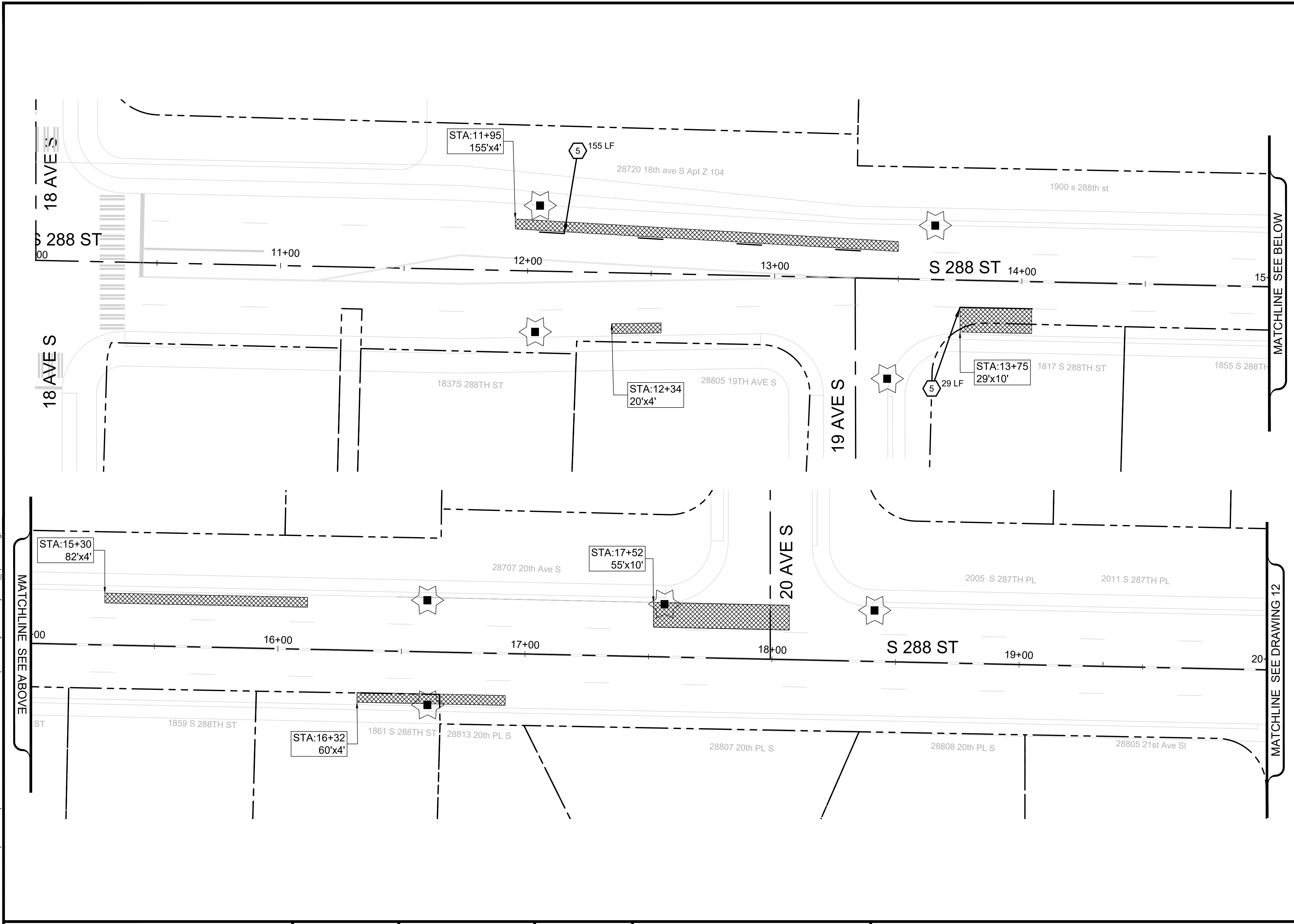
- 1) PLEASE REFER TO SHEET 03 FOR PAVEMENT REPAIR DETAILS.
- 2) WB S 288TH ST AND 18TH AVE S INTERSECTION IS DETECTED BY DETECTOR CAMERAS. LOOPS CAN BE REMOVED.

**CONSTRUCTION NOTES**

- ① PLASTIC CROSSWALK LINE
- ② PLASTIC STOP LINE
- ③ PLASTIC LINE
- ④ PLASTIC WIDE LINE
- ⑤ PROFILED PLASTIC LINE
- ⑥ PLASTIC TRAFFIC ARROW

**LEGEND:**

- PAVEMENT REPAIR
- INLET PROTECTION INSERT



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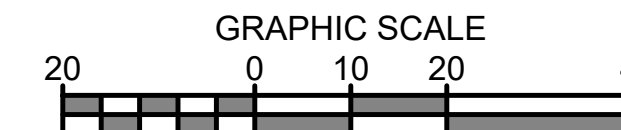
DRAFTED: S. ALIZAI  
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 REVIEWED: C. MULLEN  
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NO.	DATE	REVISION

**2022 PAVEMENT REPAIR PROJECT**  
**SITE PREP, PAVING & CHANNELIZATION PLAN**  
 SCH B STA 10+00 - STA 20+00

CITY PROJECT #:  
**11223**  
 SHEET  
**B-01**  
 11 OF 29




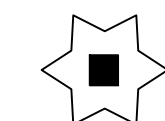
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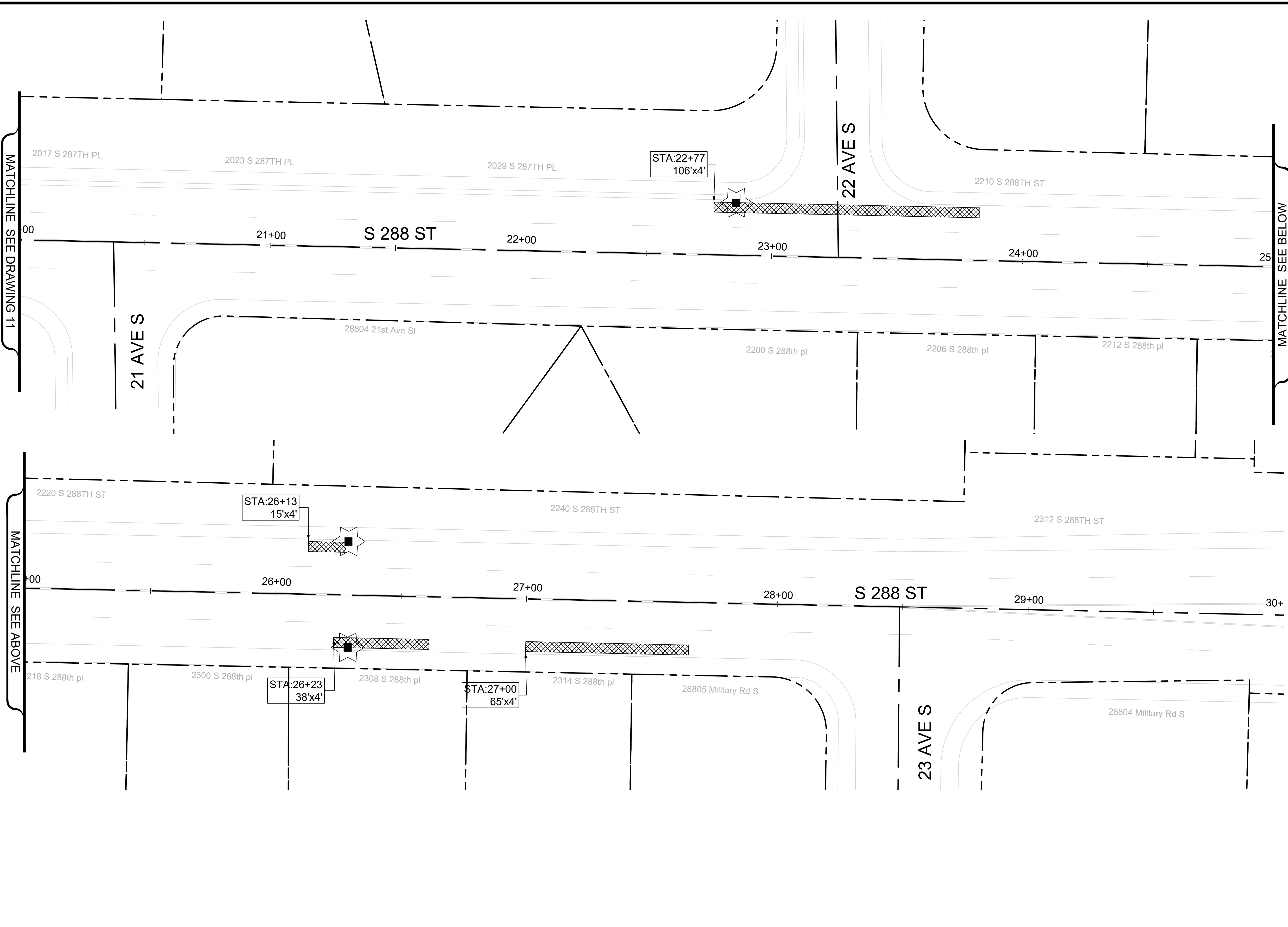
- 1) PLEASE REFER TO SHEET 03 FOR PAVEMENT REPAIR DETAILS.

**CONSTRUCTION NOTES**

- 1) PLASTIC CROSSWALK LINE
- 2) PLASTIC STOP LINE
- 3) PLASTIC LINE
- 4) PLASTIC WIDE LINE
- 5) PROFILED PLASTIC LINE
- 6) PLASTIC TRAFFIC ARROW

**LEGEND:**

-  PAVEMENT REPAIR
-  INLET PROTECTION INSERT



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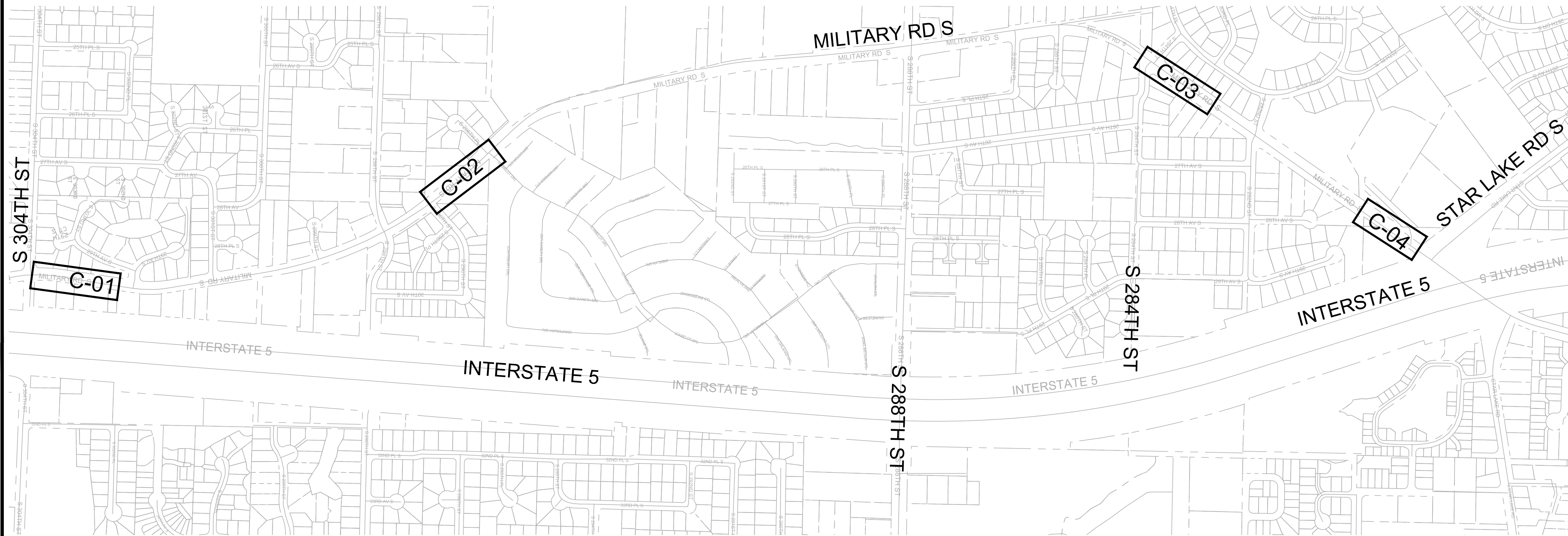
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APPROVED: C. MULLEN



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NO.	DATE	REVISION

**2022 PAVEMENT REPAIR PROJECT**  
**SITE PREP, PAVING & CHANNELIZATION PLAN**  
**SCH B STA 20+00 - STA 30+00**

CITY PROJECT #:  
**11223**  
SHEET  
**B-02**  
12 OF 29



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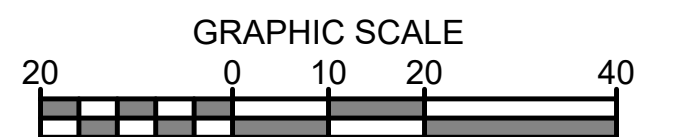
**2022 PAVEMENT REPAIR PROJECT**

**SCHEDULE C KEY PLAN**  
**MILITARY RD S**

CITY PROJECT #:  
**11223**

SHEET  
**KEY-C**

13 OF 29



**GENERAL NOTES:**

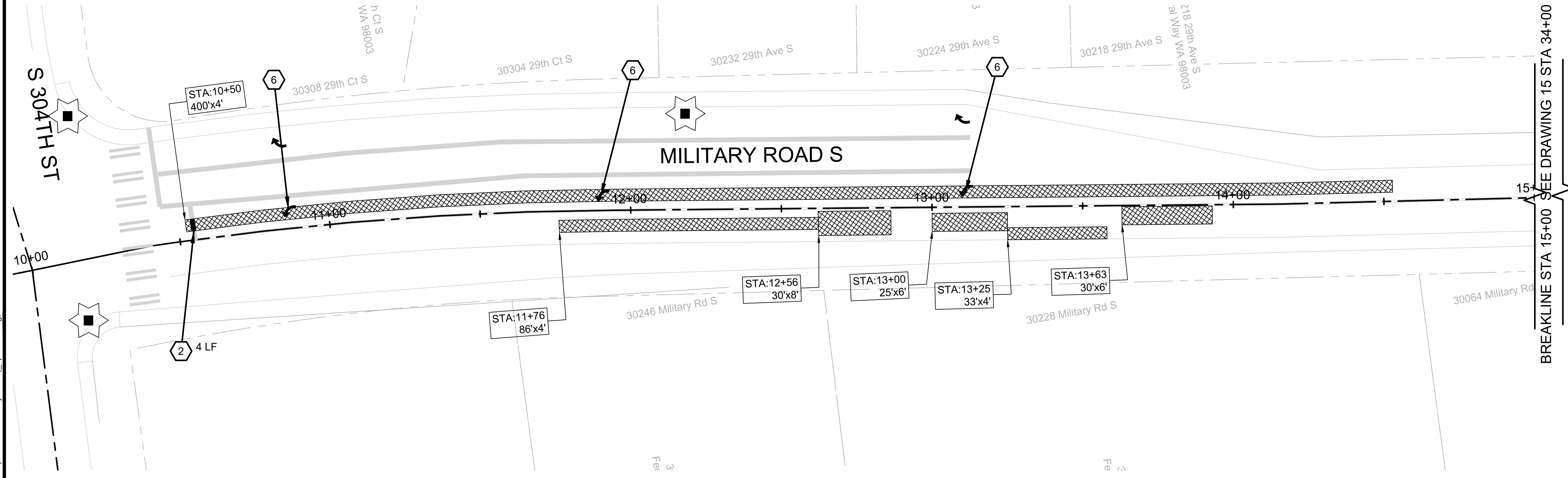
- 1) PLEASE REFER TO SHEET 03 FOR PAVEMENT REPAIR DETAILS.
- 2) SAVE ADVANCED LOOP ON SB MILITARY RD S AND S 304TH ST INTERSECTION. THE REST OF THE LOOPS CAN BE REMOVED.

**CONSTRUCTION NOTES**

- ① PLASTIC CROSSWALK LINE
- ② PLASTIC STOP LINE
- ③ PLASTIC LINE
- ④ PLASTIC WIDE LINE
- ⑤ PROFILED PLASTIC LINE
- ⑥ PLASTIC TRAFFIC ARROW

**LEGEND:**

- PAVEMENT REPAIR
- INLET PROTECTION INSERT



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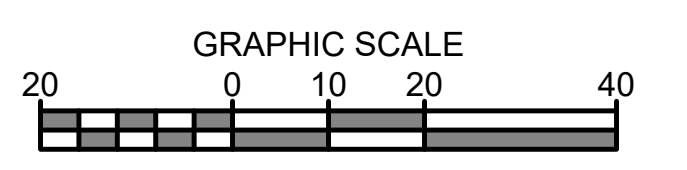
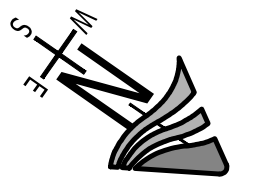
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**2022 PAVEMENT REPAIR PROJECT**  
**SITE PREP, PAVING & CHANNELIZATION PLAN**  
 SCH C STA 10+00 - STA 15+00

CITY PROJECT #:  
**11223**  
 SHEET  
**C-01**  
 14 OF 29



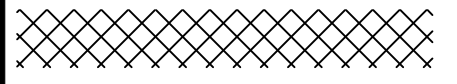
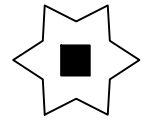
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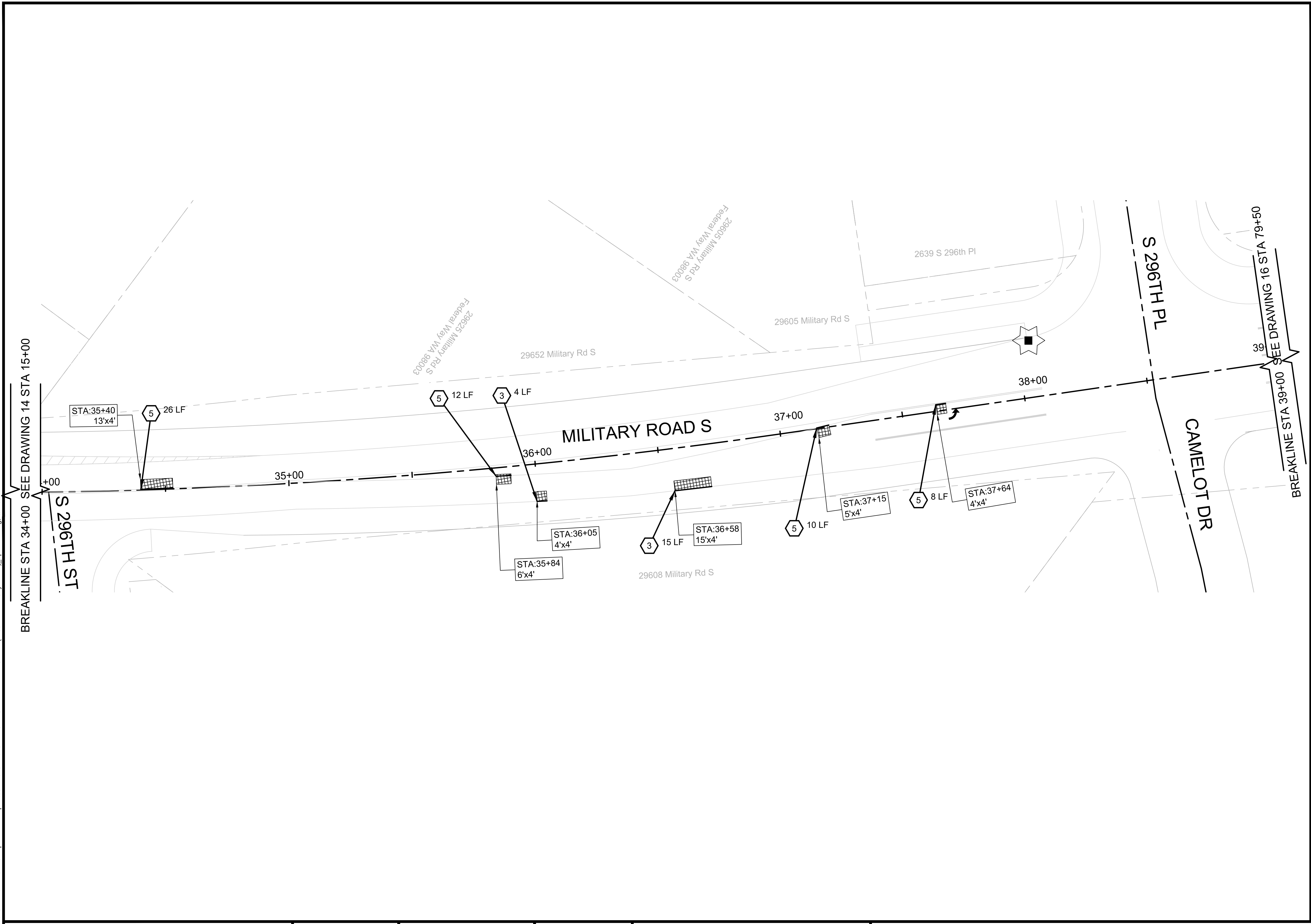
- 1) PLEASE REFER TO SHEET 03 FOR PAVEMENT REPAIR DETAILS.
- 2) SAVE ADVANCED LOOP ON SB MILITARY RD S AND S 304TH ST INTERSECTION. THE REST OF THE LOOPS CAN BE REMOVED.

**CONSTRUCTION NOTES**

- 1 PLASTIC CROSSWALK LINE
- 2 PLASTIC STOP LINE
- 3 PLASTIC LINE
- 4 PLASTIC WIDE LINE
- 5 PROFILED PLASTIC LINE
- 6 PLASTIC TRAFFIC ARROW

**LEGEND:**

-  PAVEMENT REPAIR
-  INLET PROTECTION INSERT



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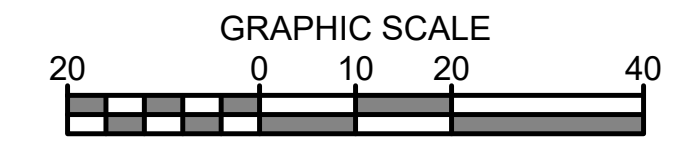
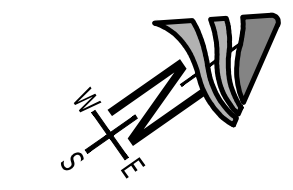


CHRISTINE J. MULLEN  
STATE OF WASHINGTON  
PROFESSIONAL ENGINEER

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NO.	DATE	REVISION

**2022 PAVEMENT REPAIR PROJECT**  
**SITE PREP, PAVING & CHANNELIZATION PLAN**  
SCH C STA 34+00- STA 39+00

CITY PROJECT #:	11223
SHEET	C-02
15 OF 29	



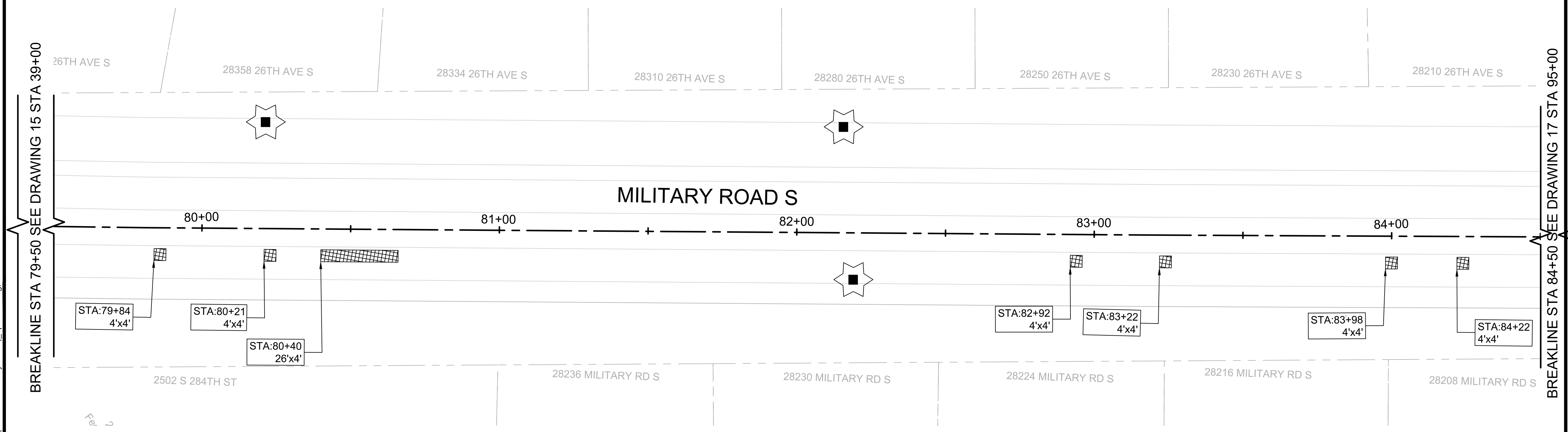
- GENERAL NOTES:**
- PLEASE REFER TO SHEET 03 FOR PAVEMENT REPAIR DETAILS.
  - NB MILITARY ROAD S IS DETECTED BY DETECTOR CAMERAS. LOOPS CAN BE REMOVED.

**CONSTRUCTION NOTES**

- PLASTIC CROSSWALK LINE
- PLASTIC STOP LINE
- PLASTIC LINE
- PLASTIC WIDE LINE
- PROFILED PLASTIC LINE
- PLASTIC TRAFFIC ARROW

**LEGEND:**

- PAVEMENT REPAIR
- INLET PROTECTION INSERT



BREAKLINE STA 79+50 SEE DRAWING 15 STA 39+00

BREAKLINE STA 84+50 SEE DRAWING 17 STA 95+00

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REGISTERED PROFESSIONAL ENGINEER  
16-Jun-2022

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**2022 PAVEMENT REPAIR PROJECT**

**SITE PREP, PAVING & CHANNELIZATION PLAN**

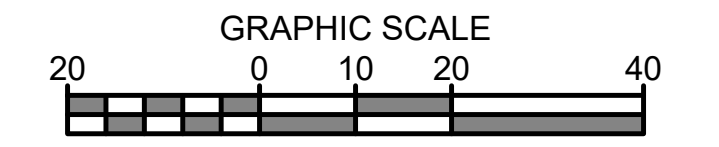
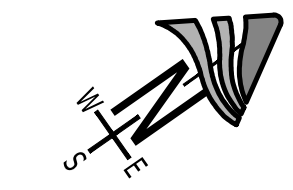
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CITY PROJECT #:  
**11223**

SHEET  
**C-03**

16 OF 29





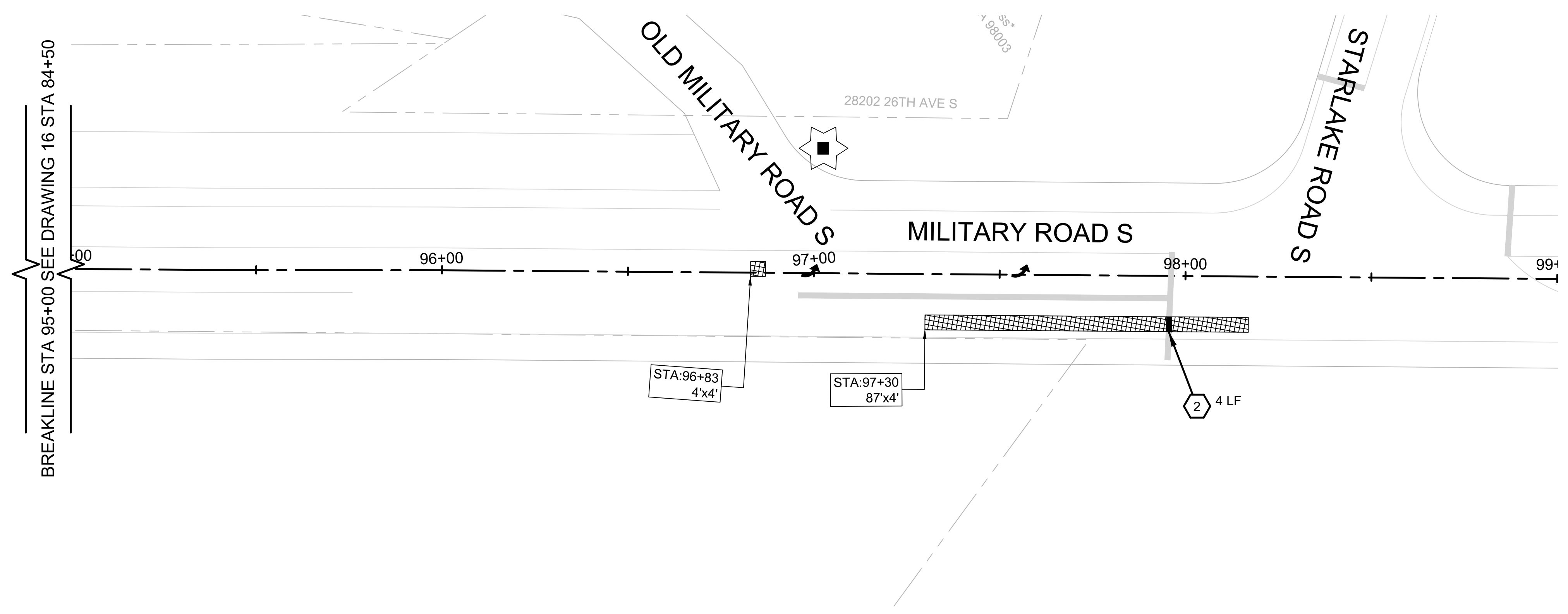
- GENERAL NOTES:**
- PLEASE REFER TO SHEET 03 FOR PAVEMENT REPAIR DETAILS.
  - NB MILITARY ROAD S IS DETECTED BY DETECTOR CAMERAS. LOOPS CAN BE REMOVED.

**CONSTRUCTION NOTES**

- 1 PLASTIC CROSSWALK LINE
- 2 PLASTIC STOP LINE
- 3 PLASTIC LINE
- 4 PLASTIC WIDE LINE
- 5 PROFILED PLASTIC LINE
- 6 PLASTIC TRAFFIC ARROW

**LEGEND:**

-  PAVEMENT REPAIR
-  INLET PROTECTION INSERT



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REGISTERED PROFESSIONAL ENGINEER  
16-Jun-2022

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**2022 PAVEMENT REPAIR PROJECT**

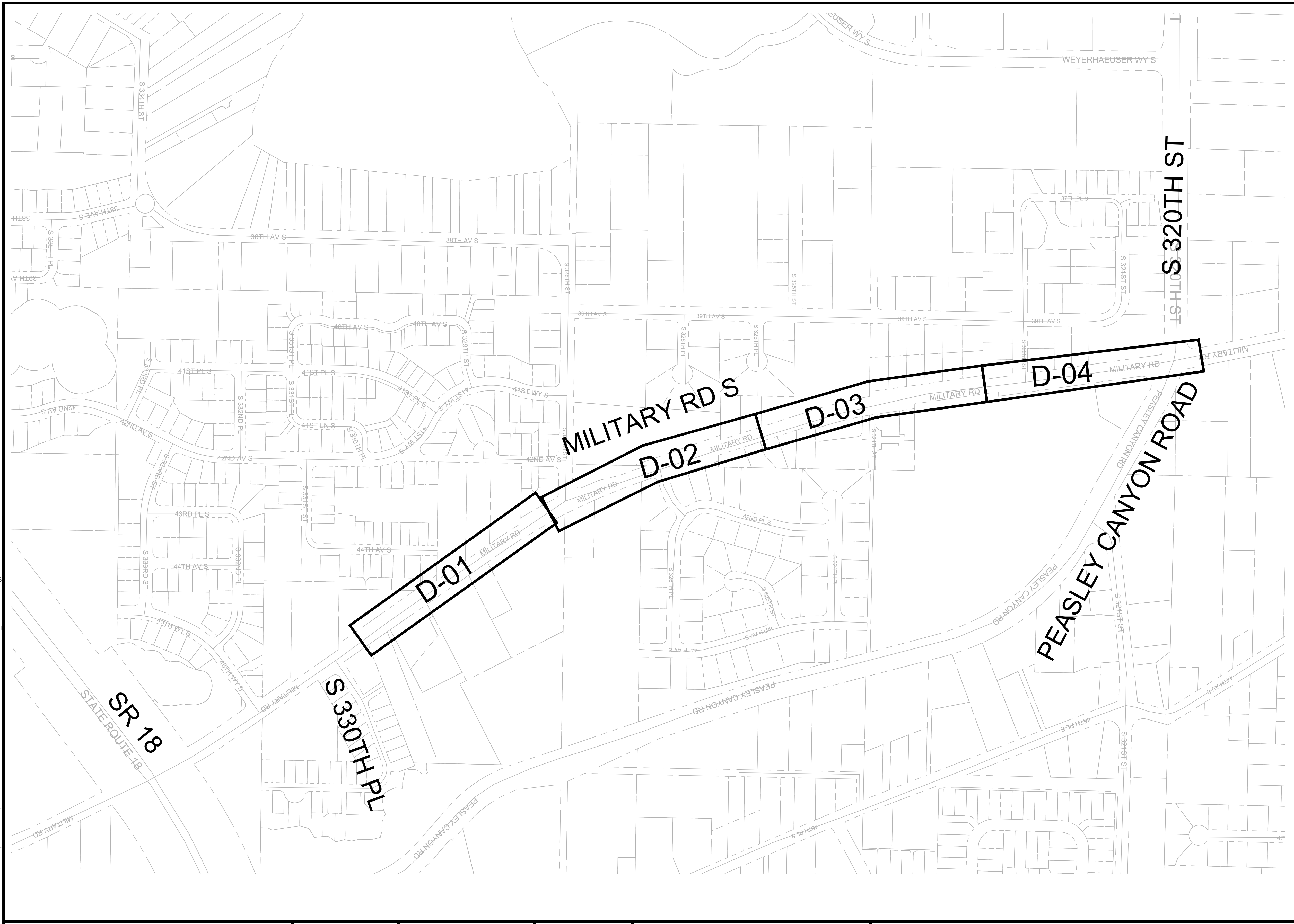
**SITE PREP, PAVING & CHANNELIZATION PLAN**

**SCH C STA 95+00 - STA 99+00**

CITY PROJECT #:  
**11223**

SHEET  
**C-04**

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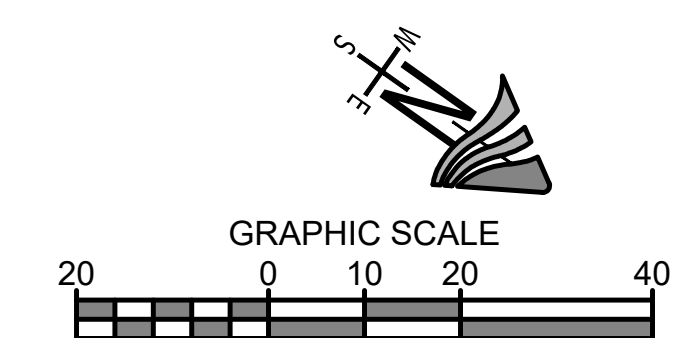
DRAWING VERSION / REVISION LOG

NO.	DATE	REVISION

**2022 PAVEMENT REPAIR PROJECT**

**SCHEDULE D KEY PLAN  
MILITARY RD S**

CITY PROJECT #:  
**11223**  
SHEET  
**KEY-D**  
18 OF 29



**GENERAL NOTES:**

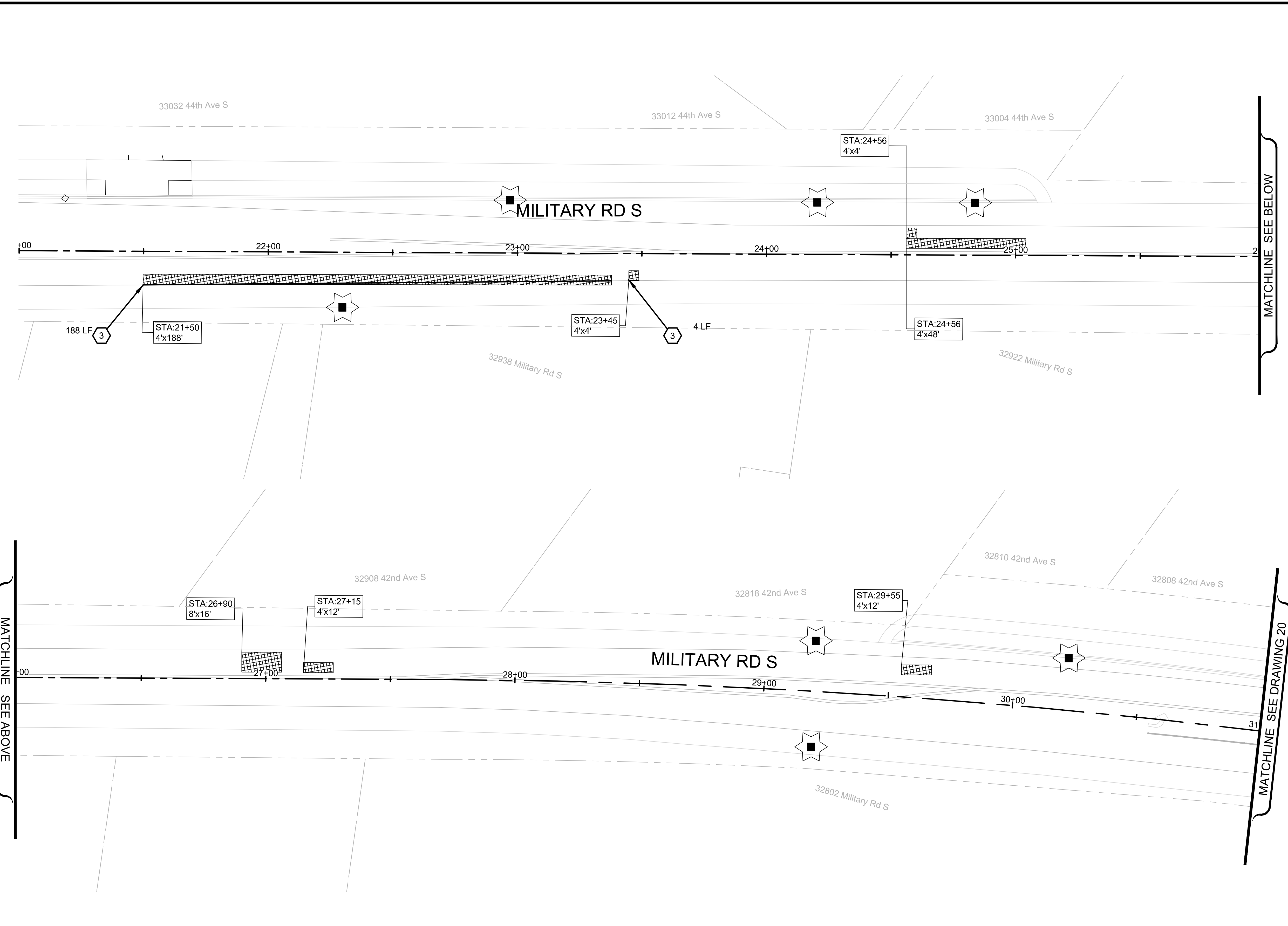
- PLEASE REFER TO SHEET 03 FOR PAVEMENT REPAIR DETAILS.

**CONSTRUCTION NOTES**

- ① PLASTIC CROSSWALK LINE
- ② PLASTIC STOP LINE
- ③ PLASTIC LINE
- ④ PLASTIC WIDE LINE
- ⑤ PROFILED PLASTIC LINE
- ⑥ PLASTIC TRAFFIC ARROW

**LEGEND:**

- PAVEMENT REPAIR
- INLET PROTECTION INSERT



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**2022 PAVEMENT REPAIR PROJECT**

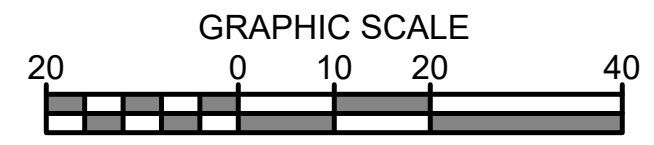
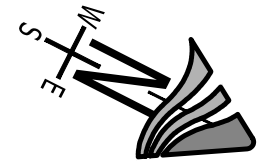
**SITE PREP, PAVING & CHANNELIZATION PLAN**

**SCH D STA 21+00 - STA 31+00**

CITY PROJECT #:  
**11223**

SHEET  
**D-01**

19 OF 29




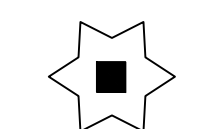
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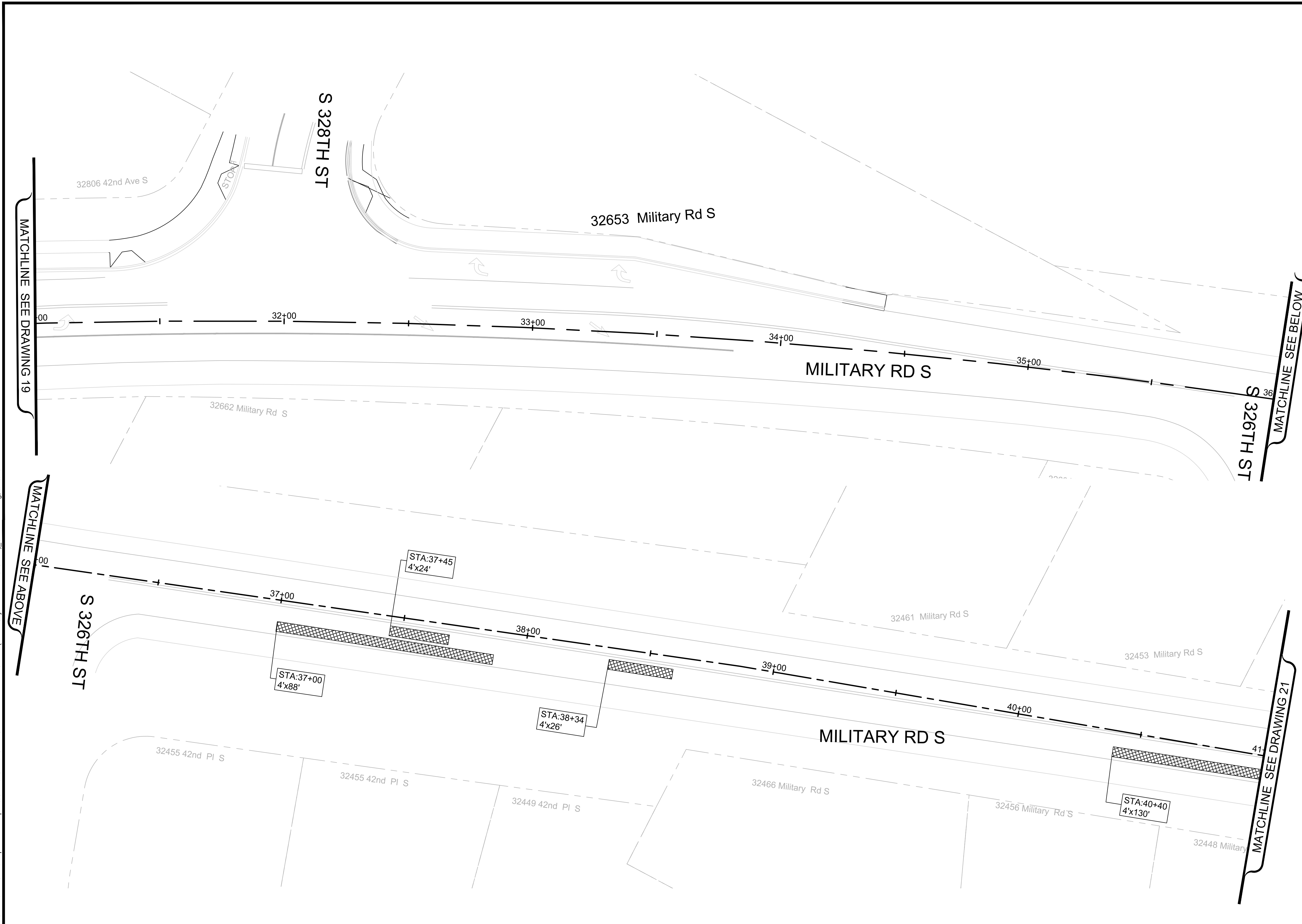
- 1) PLEASE REFER TO SHEET 03 FOR PAVEMENT REPAIR DETAILS.

**CONSTRUCTION NOTES**

- ① PLASTIC CROSSWALK LINE
- ② PLASTIC STOP LINE
- ③ PLASTIC LINE
- ④ PLASTIC WIDE LINE
- ⑤ PROFILED PLASTIC LINE
- ⑥ PLASTIC TRAFFIC ARROW

**LEGEND:**

-  PAVEMENT REPAIR
-  INLET PROTECTION INSERT



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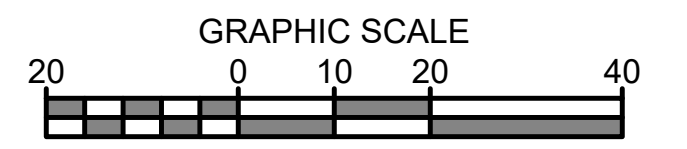
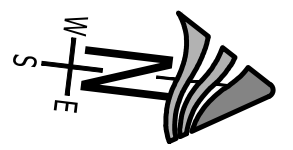
DRAFTED: S. ALIZAI  
DESIGNED: J. HUYNH  
REVIEWED: C. MULLEN  
APPROVED: C. MULLEN



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NO.	DATE	REVISION

**2022 PAVEMENT REPAIR PROJECT**  
**SITE PREP, PAVING & CHANNELIZATION PLAN**  
**SCH D STA 31+00 - STA 41+00**

CITY PROJECT #:  
**11223**  
SHEET  
**D-02**  
20 OF 29




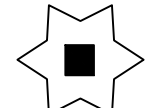
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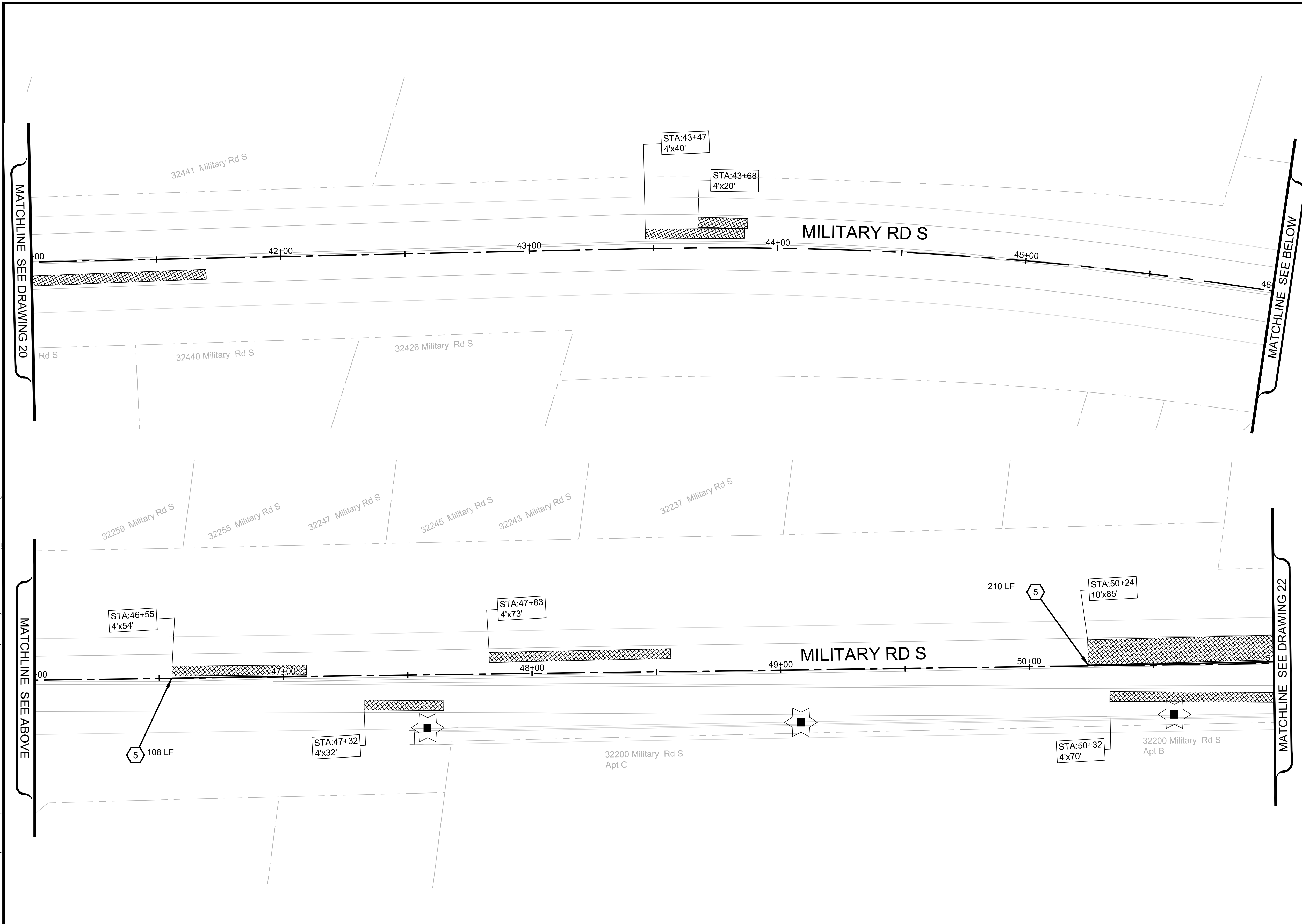
1) PLEASE REFER TO SHEET 03 FOR PAVEMENT REPAIR DETAILS.

**CONSTRUCTION NOTES**

- ① PLASTIC CROSSWALK LINE
- ② PLASTIC STOP LINE
- ③ PLASTIC LINE
- ④ PLASTIC WIDE LINE
- ⑤ PROFILED PLASTIC LINE
- ⑥ PLASTIC TRAFFIC ARROW

**LEGEND:**

-  PAVEMENT REPAIR
-  INLET PROTECTION INSERT



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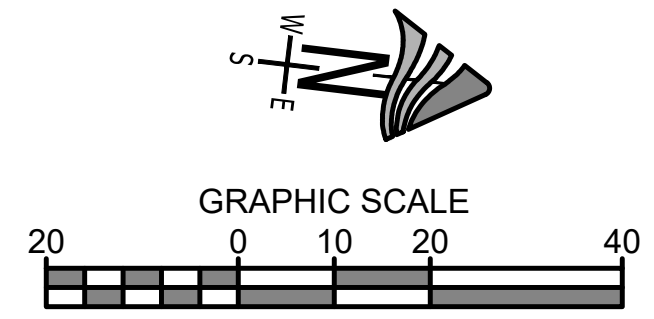
DRAFTED: S. ALIZAI  
DESIGNED: J. HUYNH  
REVIEWED: C. MULLEN  
APPROVED: C. MULLEN



DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

**2022 PAVEMENT REPAIR PROJECT**  
**SITE PREP, PAVING & CHANNELIZATION PLAN**  
**SCH D STA 41+00 - STA 51+00**

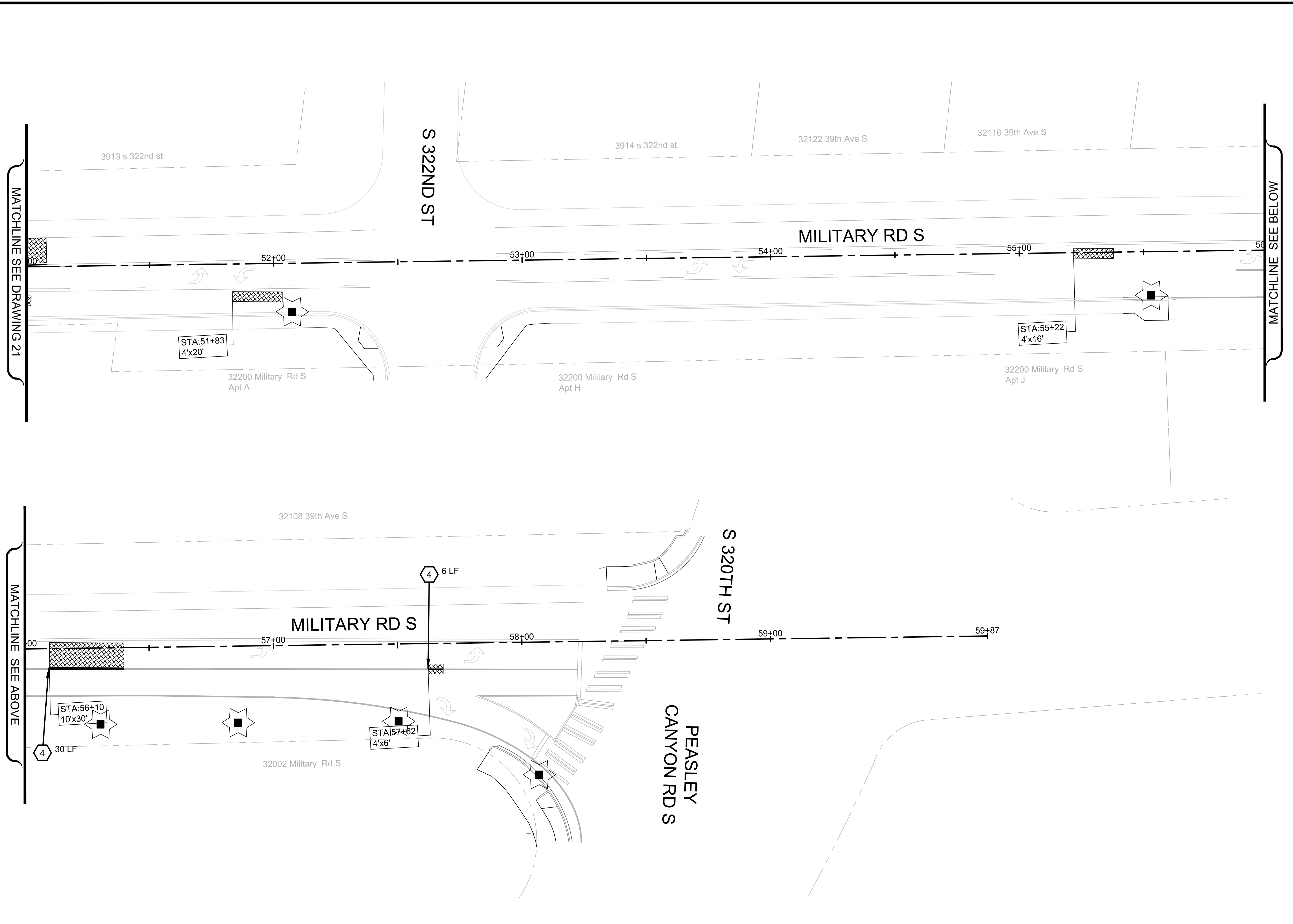
CITY PROJECT #:  
**11223**  
SHEET  
**D-03**  
21 OF 29



- GENERAL NOTES:**
- PLEASE REFER TO SHEET 03 FOR PAVEMENT REPAIR DETAILS.
  - NB MILITARY ROAD S AND S 320TH ST INTERSECTION IS DETECTED BY VIDEO DETECTOR CAMERAS. LOOPS CAN BE REMOVED.

- CONSTRUCTION NOTES**
- PLASTIC CROSSWALK LINE
  - PLASTIC STOP LINE
  - PLASTIC LINE
  - PLASTIC WIDE LINE
  - PROFILED PLASTIC LINE
  - PLASTIC TRAFFIC ARROW

- LEGEND:**
- PAVEMENT REPAIR
  - INLET PROTECTION INSERT



k:\engineering\division\PROJECTS\ACTIVE\11223 - 2022 pavement repair\03 PEACAD\SCHEDULE D - MILITARY ROAD S (South City Limits to S 320th St) - UPDATED.dwg, 6/15/2022

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DESIGNED: J. HUYNH  
REVIEWED: C. MULLEN  
APPROVED: C. MULLEN

CHRISTINE J. MULLEN  
STATE OF WASHINGTON  
PROFESSIONAL ENGINEER  
16-Jun-2022

DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

**2022 PAVEMENT REPAIR PROJECT**

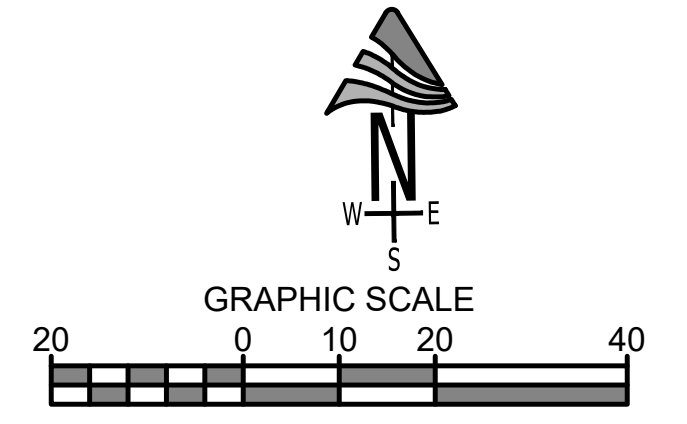
**SITE PREP, PAVING & CHANNELIZATION PLAN**

**SCH D STA 51+00 - STA 59+00**

CITY PROJECT #:  
**11223**

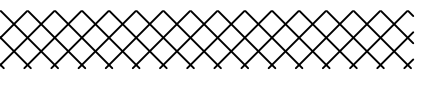
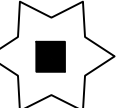
SHEET  
**D-04**

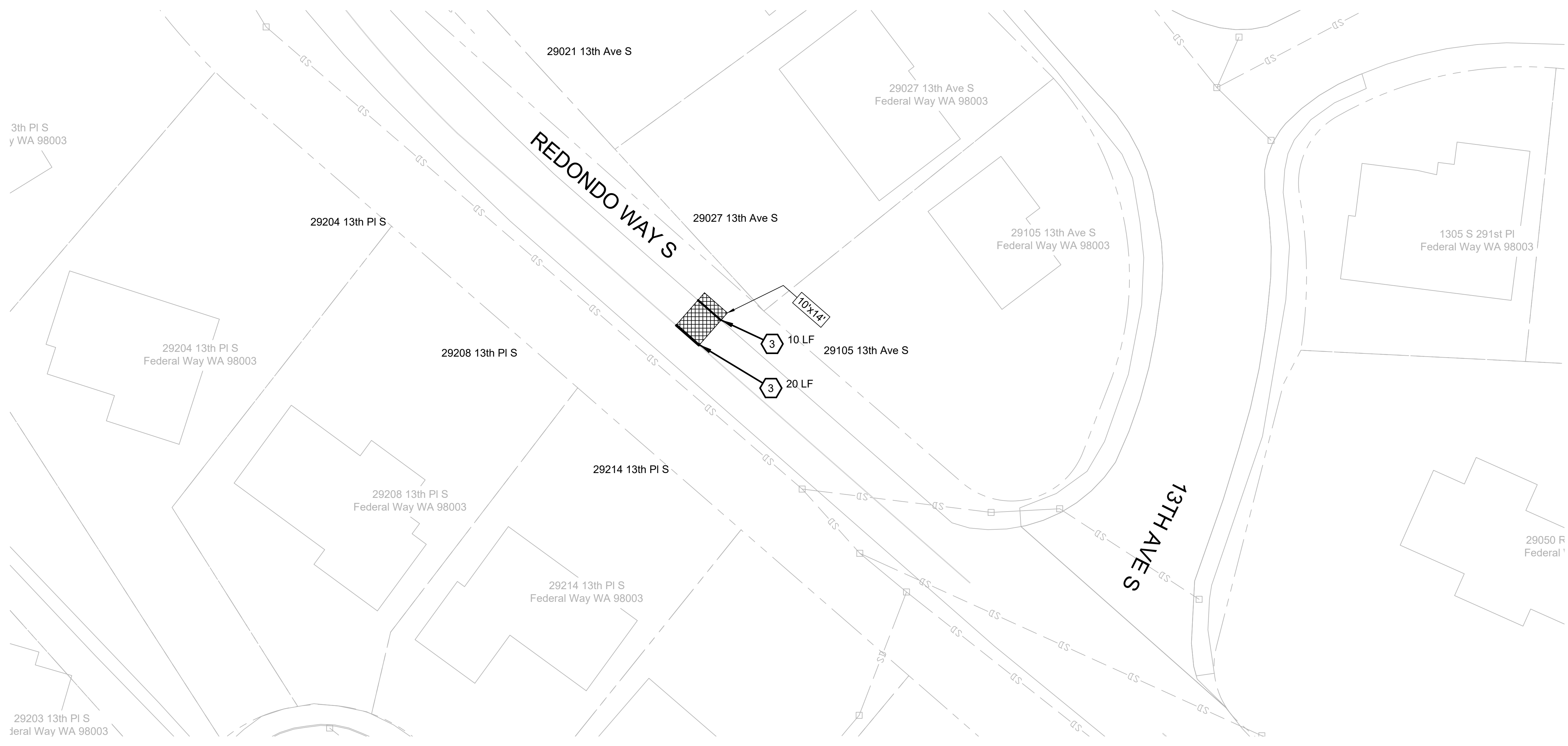
22 OF 29



**GENERAL NOTES:**  
 1) PLEASE REFER TO SHEET 03 FOR PAVEMENT REPAIR DETAILS.

- CONSTRUCTION NOTES**
- 1 PLASTIC CROSSWALK LINE
  - 2 PLASTIC STOP LINE
  - 3 PLASTIC LINE
  - 4 PLASTIC WIDE LINE
  - 5 PROFILED PLASTIC LINE
  - 6 PLASTIC TRAFFIC ARROW

- LEGEND:**
-  PAVEMENT REPAIR
  -  INLET PROTECTION INSERT



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 DESIGNED: J. HUYNH  
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 APPROVED: C. MULLEN



CHRISTINE J. MULLEN  
 STATE OF WASHINGTON  
 PROFESSIONAL ENGINEER  
 16-Jun-2022

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NO.	DATE	REVISION

**2022 PAVEMENT REPAIR PROJECT**  
**SITE PREP, PAVING & CHANNELIZATION PLAN**  
**SCHEDULE E REDONDO WAY S**

CITY PROJECT #:  
**11223**  
 SHEET  
**E-01**  
 23 OF 29




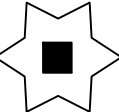
**GENERAL NOTES:**

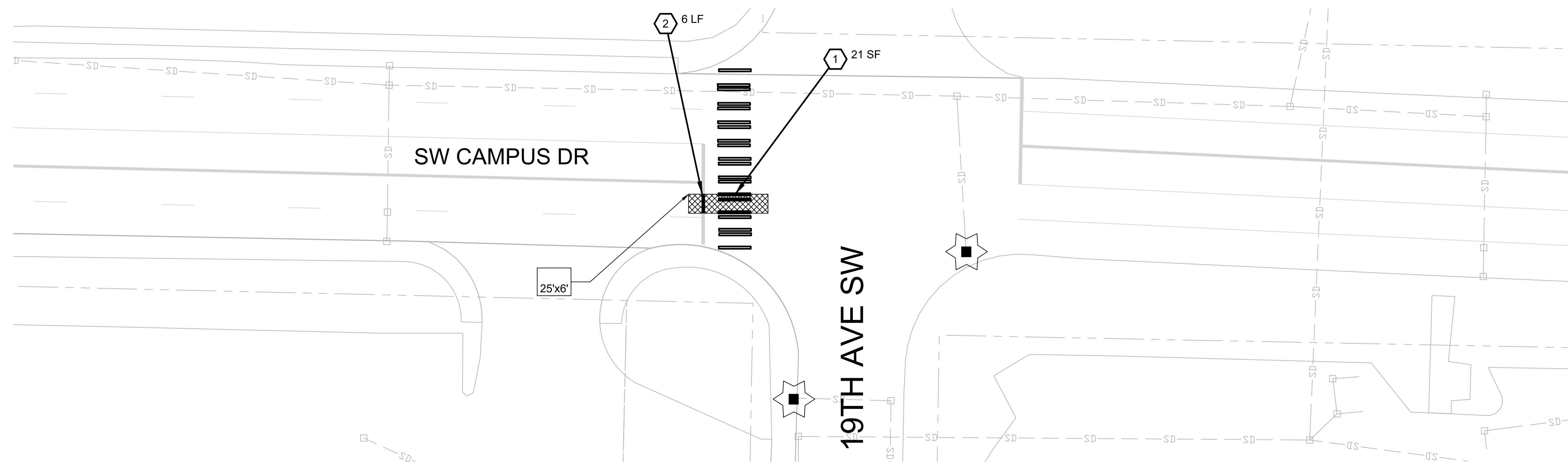
- 1) PLEASE REFER TO SHEET 03 FOR PAVEMENT REPAIR DETAILS.
- 2) EB SW CAMPUS DR AT 19TH AVE SW IS DETECTED BY VIDEO DETECTION CAMERAS. EXISTING LOOPS CAN BE REMOVED.

**CONSTRUCTION NOTES**

- 1 PLASTIC CROSSWALK LINE
- 2 PLASTIC STOP LINE
- 3 PLASTIC LINE
- 4 PLASTIC WIDE LINE
- 5 PROFILED PLASTIC LINE
- 6 PLASTIC TRAFFIC ARROW

**LEGEND:**

-  PAVEMENT REPAIR
-  INLET PROTECTION INSERT



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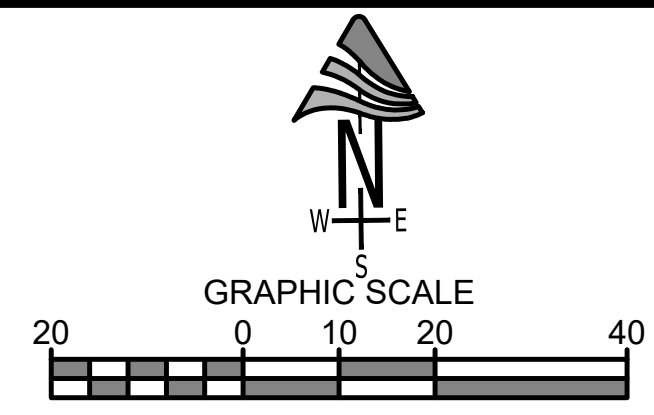


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NO.	DATE	REVISION

**2022 PAVEMENT REPAIR PROJECT**  
**SITE PREP, PAVING & CHANNELIZATION PLAN**  
**SCHEDULE F SW CAMPUS DR & 19TH AVE SW**






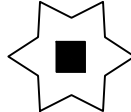
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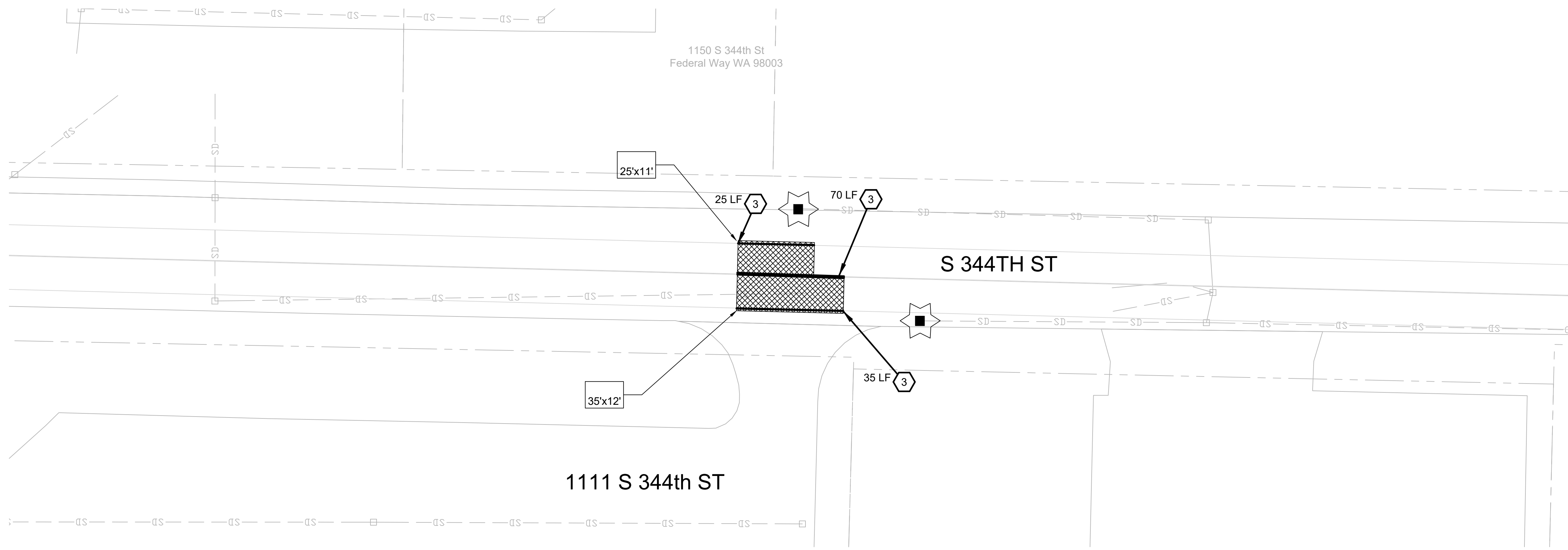
- 1) PLEASE REFER TO SHEET 03 FOR PAVEMENT REPAIR DETAILS.

**CONSTRUCTION NOTES**

- 1) PLASTIC CROSSWALK LINE
- 2) PLASTIC STOP LINE
- 3) PLASTIC LINE
- 4) PLASTIC WIDE LINE
- 5) PROFILED PLASTIC LINE
- 6) PLASTIC TRAFFIC ARROW

**LEGEND:**

-  PAVEMENT REPAIR
-  INLET PROTECTION INSERT



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DESIGNED: J. HUYNH  
REVIEWED: C. MULLEN  
APPROVED: C. MULLEN



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NO.	DATE	REVISION

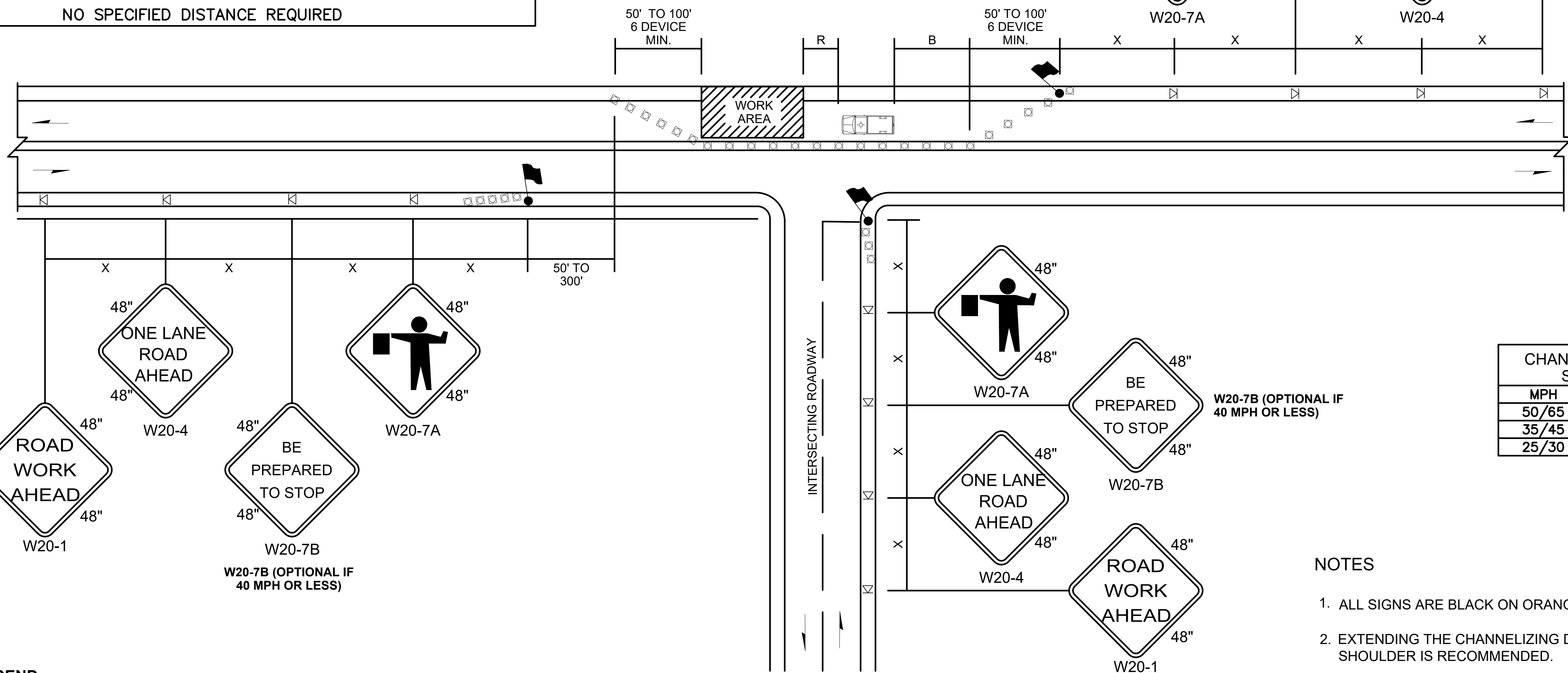
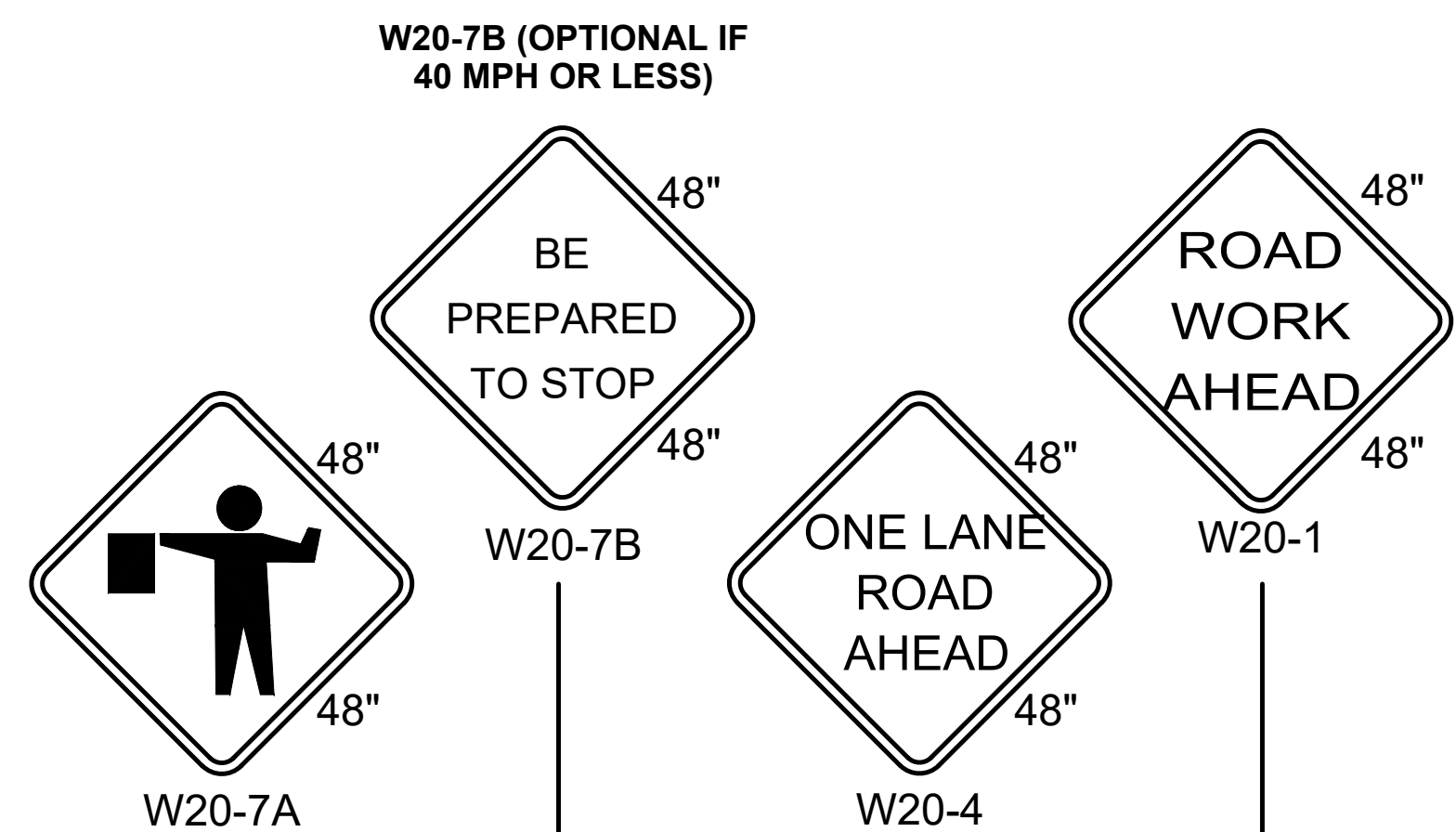
**2022 PAVEMENT REPAIR PROJECT**  
**SITE PREP, PAVING & CHANNELIZATION PLAN**  
**SCHEDULE G S 344TH ST**

CITY PROJECT #:  
**11223**  
SHEET  
**G-01**  
25 OF 29

BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730
TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R										
HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.					HOST VEHICLE WEIGHT > 22,000 lbs.					
< 45 MPH	45-55 MPH	> 55 MPH	< 45 MPH	45-55 MPH	> 55 MPH					
100'	123'	172'	74'	100'	150'					
PROTECTIVE VEHICLE (WORK VEHICLE) = R										
NO SPECIFIED DISTANCE REQUIRED										

SIGN SPACING = X (1)		
RURAL HIGHWAYS	60 / 65 MPH	800' ?
RURAL ROADS	45 / 55 MPH	500' ?
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ?
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' ? (2)
URBAN STREETS	25 MPH OR LESS	100' ? (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERSECTIONS AND DRIVEWAYS.  
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.



CHANNELIZATION DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
50/65	10 TO 20	80
35/45	10 TO 20	60
25/30	10 TO 20	40

- NOTES**
- ALL SIGNS ARE BLACK ON ORANGE.
  - EXTENDING THE CHANNELIZING DEVICE TAPER ACROSS SHOULDER IS RECOMMENDED.
  - NIGHT WORK REQUIRES ADDITIONAL ROADWAY LIGHTING AT FLAGGING STATIONS. SEE THE **STANDARD SPECIFICATIONS** FOR ADDITIONAL DETAILS.
  - SEE **SPECIAL PROVISIONS** FOR WORK HOUR RESTRICTIONS.

- LEGEND**
- FLAGGING STATION
  - TEMPORARY SIGN LOCATION
  - CHANNELIZING DEVICES
  - PROTECTIVE VEHICLE

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DRAFTED: S. ALIZAI  
DESIGNED: J. HUYNH  
REVIEWED: C. MULLEN  
APPROVED: C. MULLEN



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NO.	DATE	REVISION

**2022 PAVEMENT REPAIR PROJECT**  
**1-LANE, 2-WAY TRAFFIC CONTROL WITH FLAGGERS**

CITY PROJECT #: 11223  
SHEET: TCP1  
26 OF 29

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MINIMUM LANE CLOSURE TAPER LENGTH = L (feet)										
LANE WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	105	150	205	270	450	500	550	-	-	-
11	115	165	225	295	495	550	605	660	-	-
12	125	180	245	320	540	600	660	720	780	840

MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)										
SHOULDER WIDTH (feet)	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
8'	40	40	60	90	120	130	150	160	170	190
10'	40	60	90	90	150	170	190	200	220	240

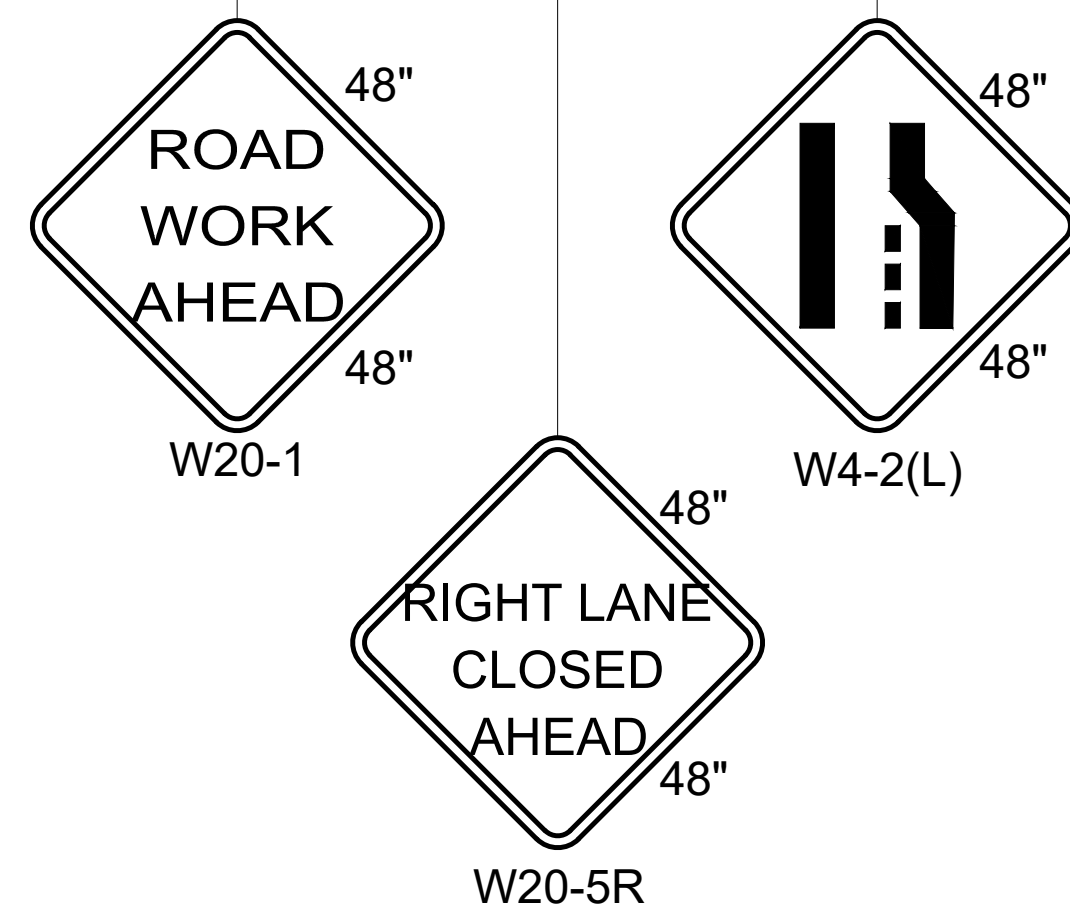
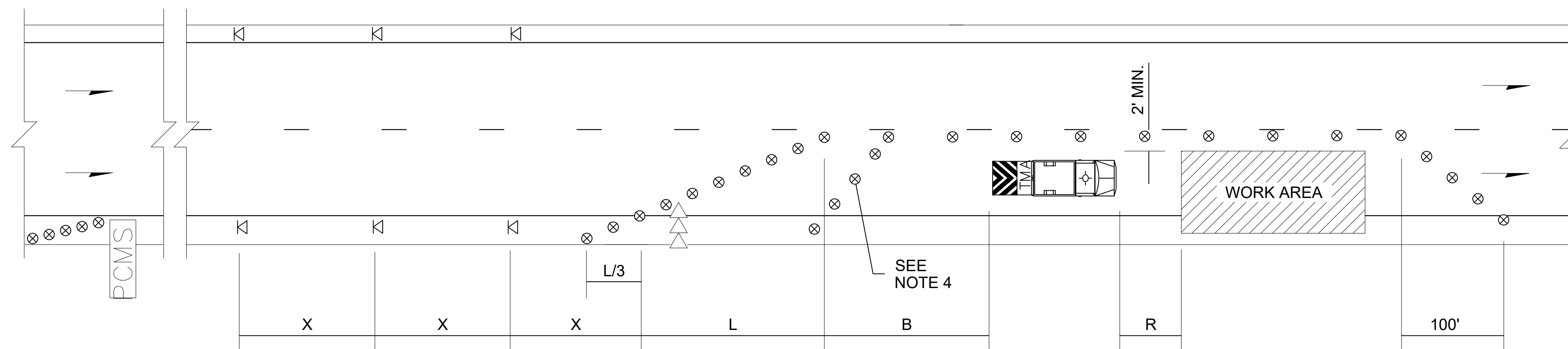
USE A MINIMUM 3 DEVICES TAPER FOR SHOULDER LESS THEN 8'.

SIGN SPACING = X (1)		
FREEWAYS & EXPRESSWAYS	55 / 70 MPH	1500' ?
RURAL HIGHWAYS	60 / 65 MPH	800' ?
RURAL ROADS	45 / 55 MPH	500' ?
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ?
RURAL ROADS & URBAN ARTERIALS	25 / 30 MPH	200' ? (2)
RESIDENTIAL & BUSINESS DISTRICTS		
URBAN STREETS	25 MPH OR LESS	100' ? (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMP, AT-GRADE INTERSECTIONS AND DRIVEWAYS.  
 (2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40

BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730
TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R										
HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.						HOST VEHICLE WEIGHT > 22,000 lbs.				
< 45 MPH	45-55 MPH	> 55 MPH	< 45 MPH	45-55 MPH	> 55 MPH					
100'	123'	172'	74'	100'	150'					



PCMS	
1	2
RIGHT LANE CLOSURE	1 MILE AHEAD
2.0 SEC	2.0 SEC

FIELD LOCATE 1 MILE IN ADVANCE OF LANE CLOSURE SIGNING.

**NOTES**

- SEE SPECIAL PROVISIONS FOR WORK HOUR RESTRICTIONS.
- EXTEND DEVICE TAPER AT L/3 ACROSS SHOULDER.
- DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANE.
- USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' (FT) (RECOMMENDED).
- DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20' (FT).
- ALL SIGNS ARE BLACK ON ORANGE.

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DRAWING VERSION / REVISION LOG

NO.	DATE	REVISION

CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40

LANE WIDTH (feet)	MINIMUM TAPER LENGTH = L (feet)									
	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	105	150	205	270	450	500	550	-	-	-
11	115	165	225	295	495	550	605	660	-	-
12	125	180	245	320	540	600	660	720	-	-

BUFFER DATA											
LONGITUDINAL BUFFER SPACE = B											
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70	
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730	
TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R											
HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.					HOST VEHICLE WEIGHT > 22,000 lbs.						
< 45 MPH	45-55 MPH	> 55 MPH	< 45 MPH	45-55 MPH	> 55 MPH	< 45 MPH	45-55 MPH	> 55 MPH	< 45 MPH	45-55 MPH	> 55 MPH
100'	123'	172'	74'	100'	150'						
PROTECTIVE VEHICLE (WORK VEHICLE) = R											
NO SPECIFIED DISTANCE REQUIRED											

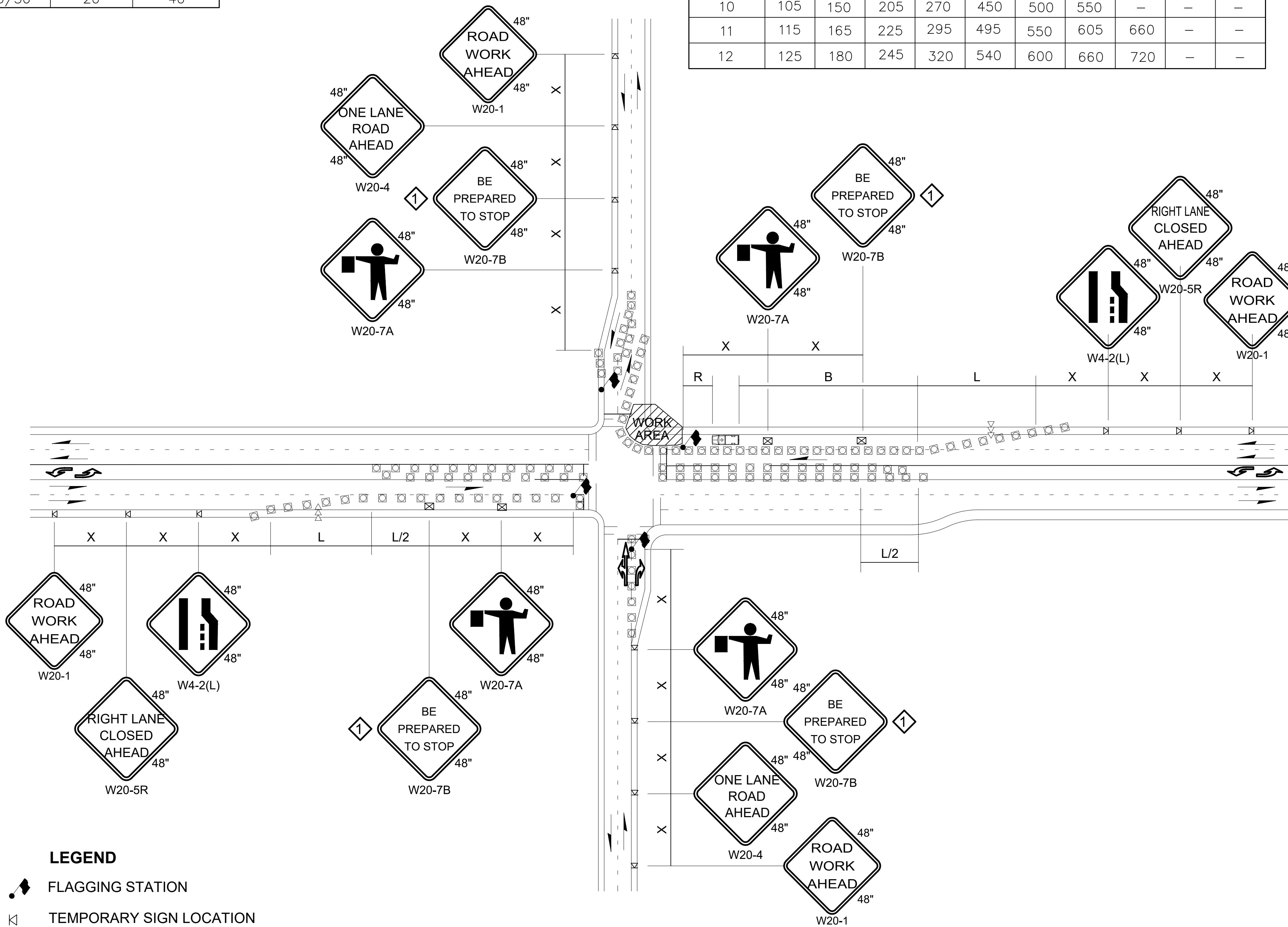
SIGN SPACING = X (1)		
RURAL HIGHWAYS	60 / 65 MPH	800' ?
RURAL ROADS	45 / 55 MPH	500' ?
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ?
RURAL ROADS & URBAN ARTERIALS	25 / 30 MPH	200' ? (2)
RESIDENTIAL & BUSINESS DISTRICTS		
URBAN STREETS	25 MPH OR LESS	100' ? (2)

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMP, AT-GRADE INTERSECTIONS AND DRIVEWAYS.  
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

① OPTIONAL IF 40 MPH OR LESS

NOTES

- RECOMMEND EXTENDING DEVICE TAPER (L/3) ACROSS SHOULDER.
- IF A SIGNAL IS PRESENT, IT SHALL BE SET TO "RED FLASH MODE" OR TURNED OFF DURING FLAGGING OPERATIONS.
- MAINTAIN A MINIMUM OF ONE ACCESS POINT FOR EACH BUSINESS WITHIN WORK AREA LIMITS.
- ALL SIGNS ARE BLACK ON ORANGE.



- LEGEND**
- FLAGGING STATION
  - TEMPORARY SIGN LOCATION
  - CHANNELIZING DEVICES
  - SEQUENTIAL ARROW SIGN
  - PROTECTIVE VEHICLE - RECOMMENDED
  - TEMPORARY SIGN LOCATION (5' MOUNTING HEIGHT)

**TC4 INTERSECTION LANE CLOSURE - FIVE LANE ROADWAY**  
N.T.S.

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DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

CHANNELIZATION DEVICE SPACING (feet)		
MPH	TAPER	TANGENT
50/70	40	80
35/45	30	60
25/30	20	40

LANE WIDTH (feet)	MINIMUM TAPER LENGTH = L (feet)									
	Posted Speed (mph)									
	25	30	35	40	45	50	55	60	65	70
10	105	150	205	270	450	500	550	-	-	-
11	115	165	225	295	495	550	605	660	-	-
12	125	180	245	320	540	600	660	720	-	-

BUFFER DATA										
LONGITUDINAL BUFFER SPACE = B										
SPEED (MPH)	25	30	35	40	45	50	55	60	65	70
LENGTH (feet)	155	200	250	305	360	425	495	570	645	730
TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R										
HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.					HOST VEHICLE WEIGHT > 22,000 lbs.					
< 45 MPH	45-55 MPH	> 55 MPH			< 45 MPH	45-55 MPH	> 55 MPH			
100'	123'	172'			74'	100'	150'			
PROTECTIVE VEHICLE (WORK VEHICLE) = R										
NO SPECIFIED DISTANCE REQUIRED										

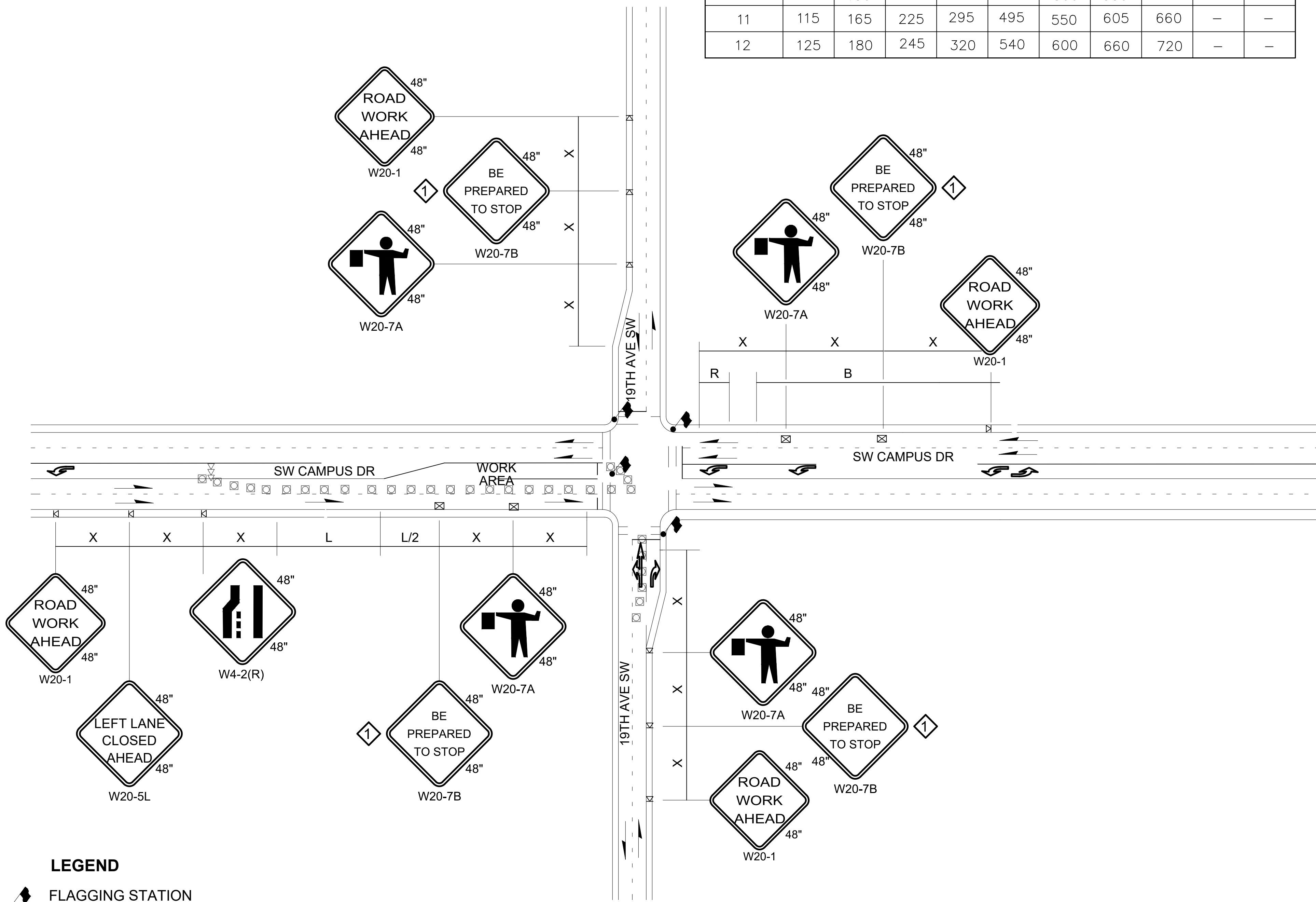
SIGN SPACING = X (1)		
RURAL HIGHWAYS	60 / 65 MPH	800' ?
RURAL ROADS	45 / 55 MPH	500' ?
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350' ?
RURAL ROADS & URBAN ARTERIALS	25 / 30 MPH	200' ? (2)
RESIDENTIAL & BUSINESS DISTRICTS		
URBAN STREETS	25 MPH OR LESS 100' ? (2)	

(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMP, AT-GRADE INTERSECTIONS AND DRIVEWAYS.  
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

1 OPTIONAL IF 40 MPH OR LESS

NOTES

- RECOMMEND EXTENDING DEVICE TAPER (L/3) ACROSS SHOULDER.
- IF A SIGNAL IS PRESENT, IT SHALL BE SET TO "RED FLASH MODE" OR TURNED OFF DURING FLAGGING OPERATIONS.
- MAINTAIN A MINIMUM OF ONE ACCESS POINT FOR EACH BUSINESS WITHIN WORK AREA LIMITS.
- ALL SIGNS ARE BLACK ON ORANGE.



- LEGEND**
- FLAGGING STATION
  - TEMPORARY SIGN LOCATION
  - CHANNELIZING DEVICES
  - SEQUENTIAL ARROW SIGN
  - PROTECTIVE VEHICLE - RECOMMENDED
  - TEMPORARY SIGN LOCATION (5' MOUNTING HEIGHT)

**TC5** INTERSECTION LANE CLOSURE-FIVE LANE ROADWAY  
N.T.S.

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DESIGNED: J. HUYNH  
REVIEWED: C. MULLEN  
APPROVED: C. MULLEN

DRAWING VERSION / REVISION LOG		
NO.	DATE	REVISION

**2022 PAVEMENT REPAIR PROJECT**  
**INTERSECTION LANE CLOSURE-FIVE LANE ROADWAY**

CITY PROJECT #: 11223  
SHEET TCP4  
29 OF 29