

1. Agenda

Documents:

[2024_02_06EDACAGENDA.PDF](#)

2. Meeting Materials

Documents:

[SLOAN ST.PARKING - 1.31.2024.PDF](#)



City of Clemson

1250 Tiger Boulevard • Clemson, South Carolina 29631

**CITY OF CLEMSON ECONOMIC DEVELOPMENT ADVISORY COMMITTEE
TUESDAY FEBRUARY 6, 2024
12:30PM
CLEMSON CITY HALL**

1. Call to order – Jason Beaty
2. Roll Call/Establishment of Quorum – Jason Beaty
3. Approval of Minutes: December meeting was canceled due to lack of quorum

Discussion Item(s)

4. Council Update- John Ducworth
5. Discuss Outcome of “Connect Clemson” Work Session- Lauren Gamrat, Tourism and Community Events Coordinator
6. Update-Council Action regarding downtown parking initiatives - Lindsey Newton
7. North Sloan Employee Parking Project- Nathan Hinkle, City Engineer

Action Item(s)

8. Vote for 2024 EDAC Officers
9. Recommendations to Council

Old Business

New Business

Adjournment

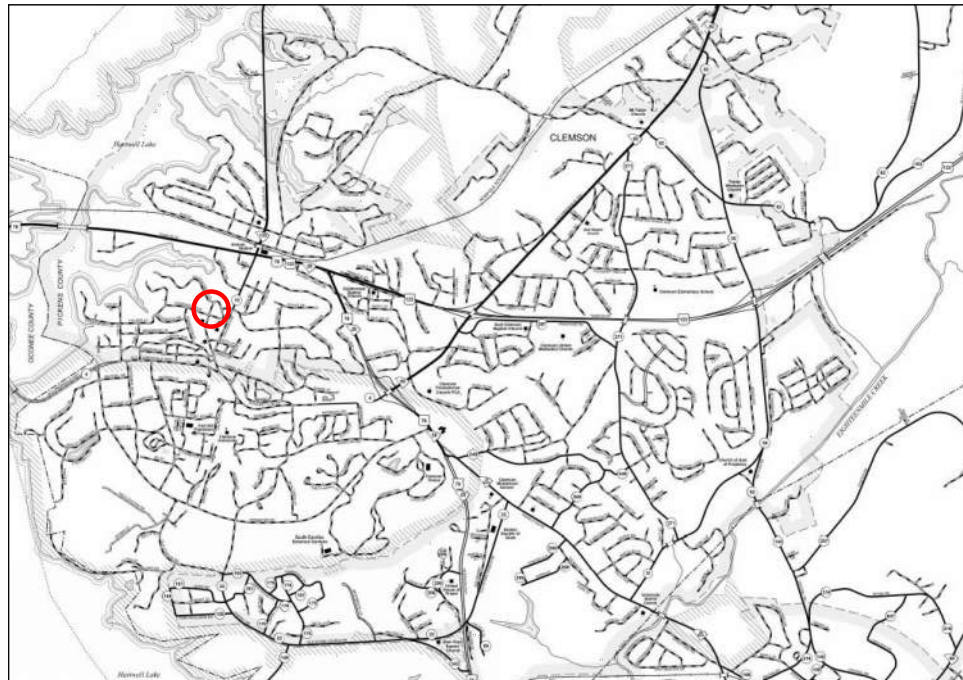
“The mission of the economic development advisory committee shall be to study, report, and make recommendations to the city council in an effort to promote quality economic development, including commercial, small business, research, and light industry.”

INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
1	COVER SHEET
2	EXISTING CONDITIONS
3	DEMOLITION
4	FINAL SITE PLAN
5	STRIPING & SIGNAGE
6A-6B	DETAILS
7	SIGNAGE SCHEDULE
8	Crosswalk Signage and SCDOT Post Detail

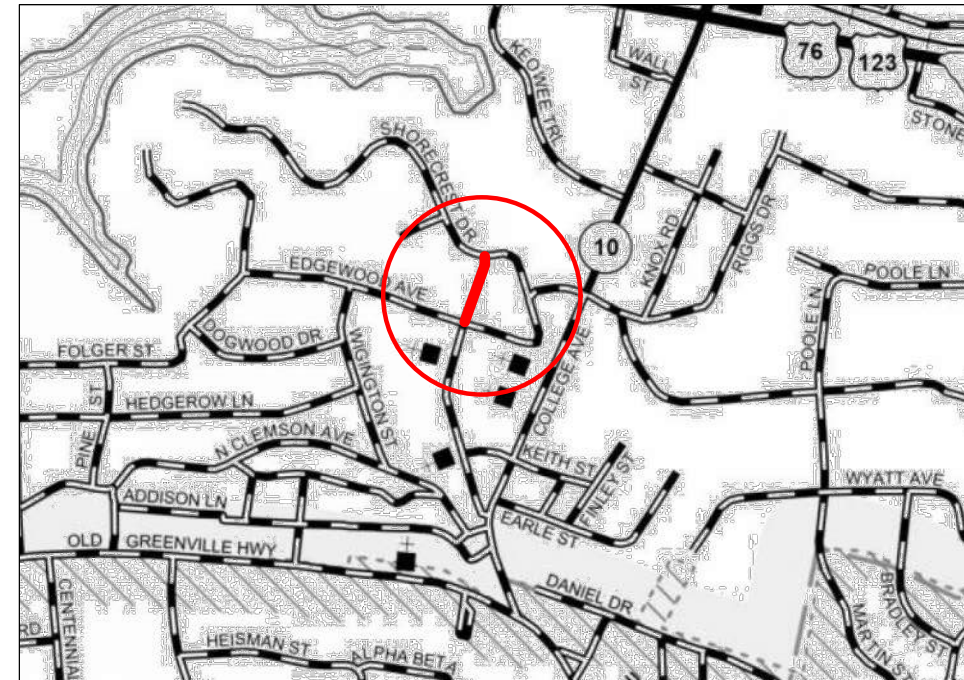


PLAN PREPARER CERTIFICATION
"I HAVE PLACED MY SIGNATURE AND SEAL ON THE DESIGN DOCUMENTS SUBMITTED SIGNIFYING THAT I ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE SYSTEM. FURTHER, I CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THE DESIGN IS CONSISTENT WITH THE REQUIREMENTS OF TITLE 48, CHAPTER 14 OF THE CODE OF LAWS OF SC, 1976 AS AMENDED, PURSUANT TO REGULATION 72-300 ET SEQ. (IF APPLICABLE), AND IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF SCR100000."
NAME: _____
TITLE: _____
DATE: _____

SLOAN STREET EMPLOYEE PARKING PROJECT 2024



**CITY OF CLEMSON MAP
NTS**



**PROJECT LOCATION
NTS**

3 DAYS BEFORE DIGGING IN SOUTH CAROLINA
CALL 811

SOUTH CAROLINA 811 (SC811)
WWW.SC811.COM
ALL UTILITIES MAY NOT BE A MEMBER OF SC811

PROJECT DESCRIPTION:
THIS PROJECT CONSISTS OF REMOVAL AND REPLACEMENT OF ASPHALT, INSTALLATION OF PARKING CURBS, CURB & GUTTER, ADA PEDESTRIAN CURB RAMPS, SIGNAGE, ROAD PAVEMENT MARKINGS AND TRAFFIC CONTROL TO INSTALL 32 PARKING SPACES ALONG SLOAN ST.
THE PROJECT ALSO INCLUDES MINOR GRADING, AND MINOR UTILITY RELOCATION/ADJUSTMENTS.

PROJECT INFORMATION:
ADDRESS :: 300 SLOAN ST
CLEMSON, SC 29631
SITE AREA: N/A
DISTURBED AREA: N/A

CUT/FILL CALCULATIONS: N/A

OWNER/DEVELOPER:
CITY OF CLEMSON ENGINEERING DEPT
1250 TIGER BLVD. SUITE 5
CLEMSON SC, 29631
(864) 624 - 1127

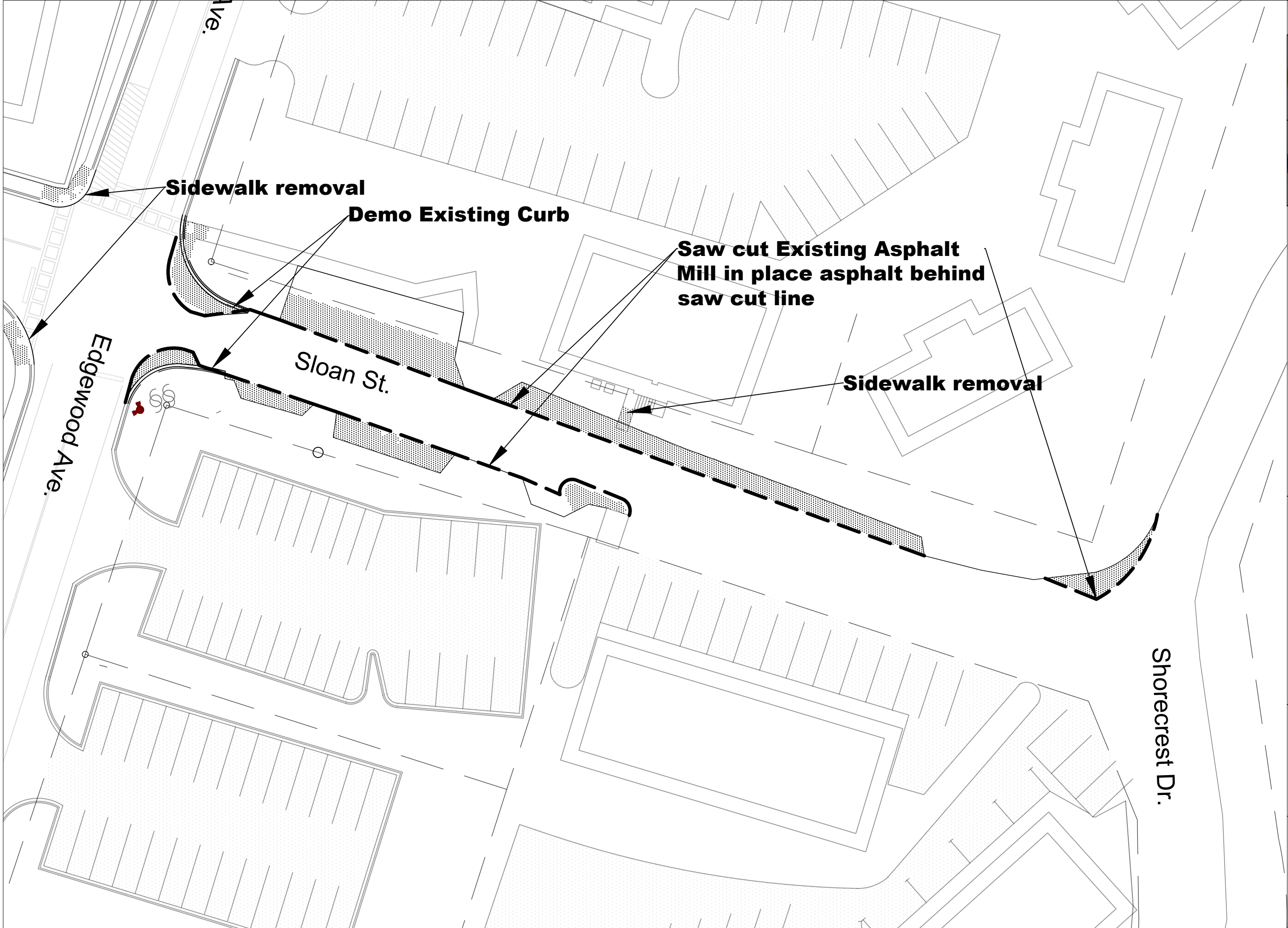
INTERNAL FUNDING INFORMATION
FISCAL YEAR: 2023/24
GENERAL FUND ACCOUNT:
PROJECT NUMBER:
DESIGNED FOR: CITY OF CLEMSON PARKING



Sloan Street Employee Parking	Existing Conditions
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VERSION: 1.0	DESIGNED BY: NWH
DATE	DRAWN BY: NWH

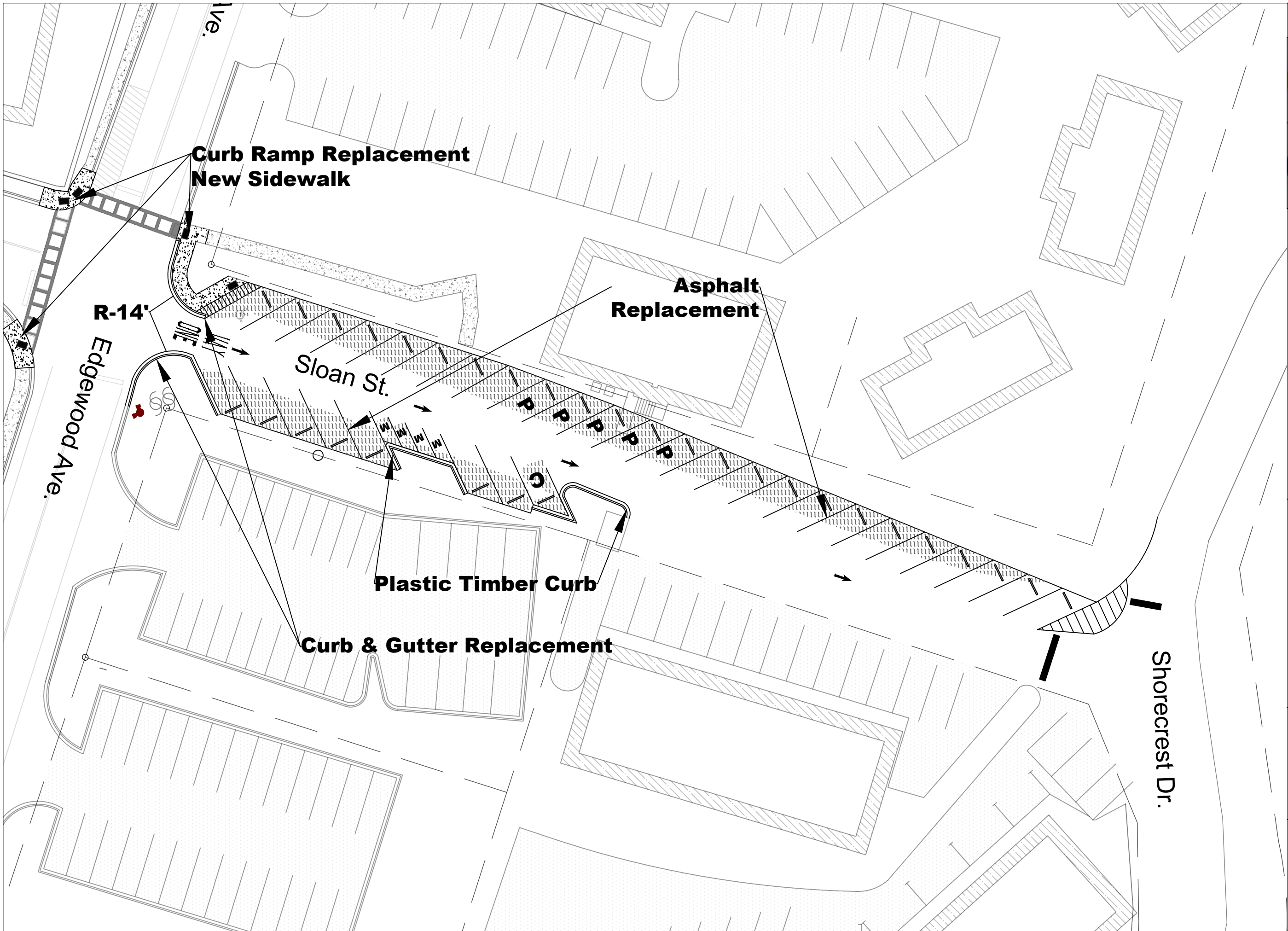
1:50	PLOT DATE: 1/31/2024
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Sloan Street Employee Parking

Demolition

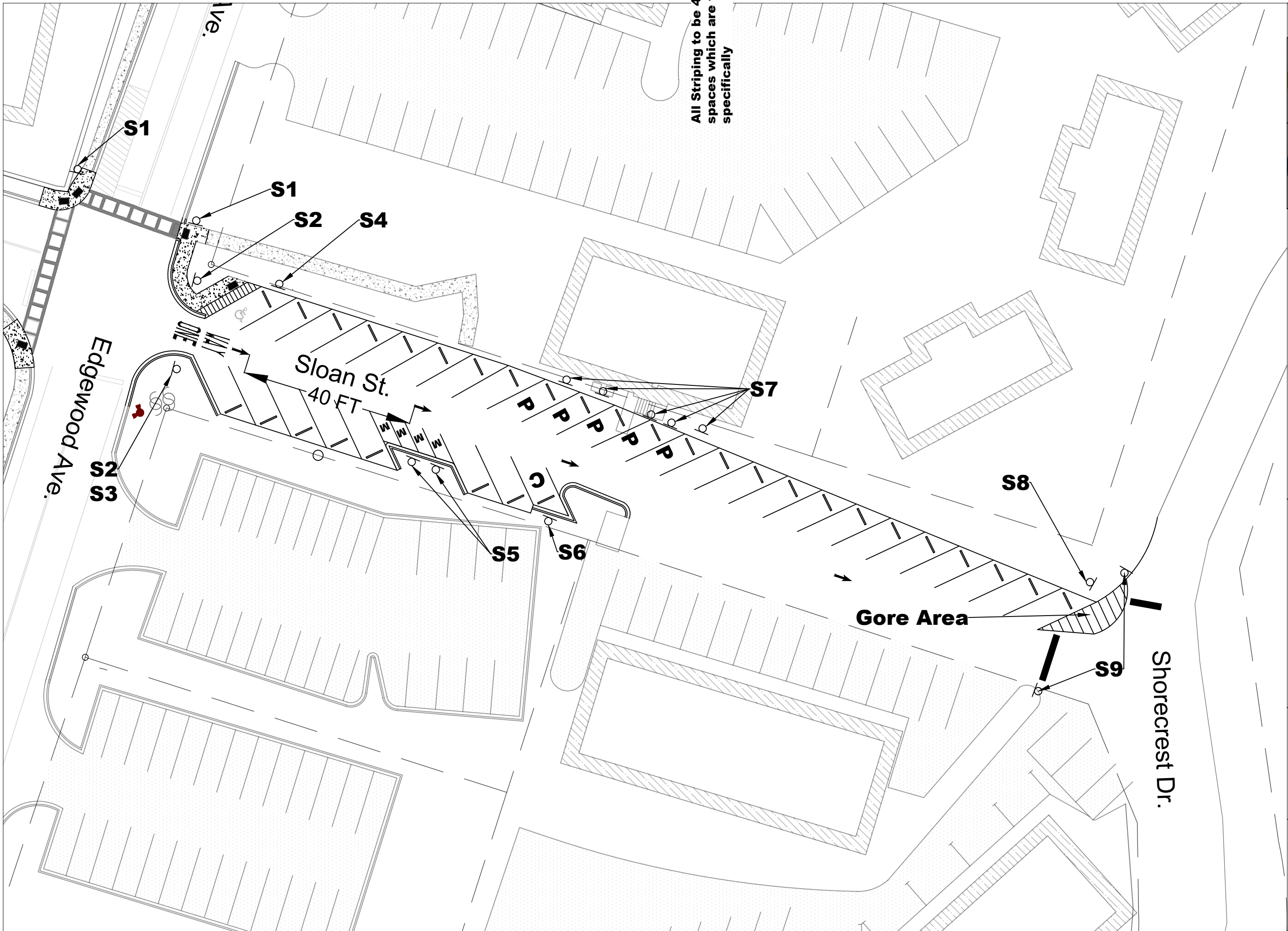
DATE	VERSION: 1.0
1:50	DESIGNED BY: NWH
PLOT DATE: 1/31/2024 DRAWN BY: NWH	



Sloan Street Employee Parking

Final Site Plan

DATE	VERSION: 1.0
1:50	DESIGNED BY: NWH
PLOT DATE: 1/31/2024 DRAWN BY: NWH	



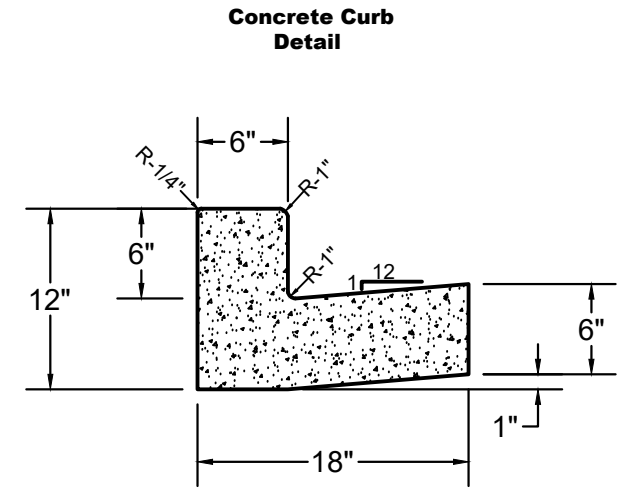
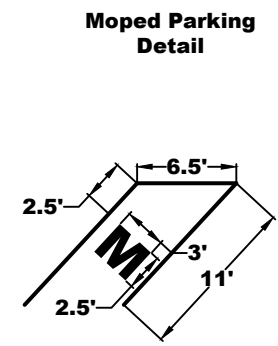
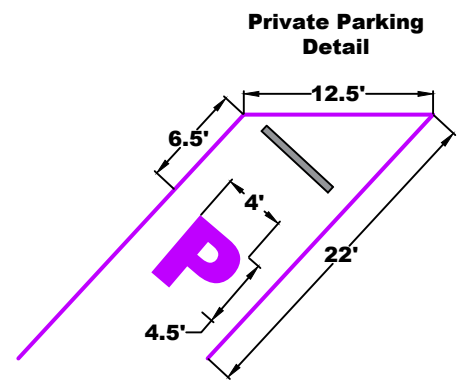
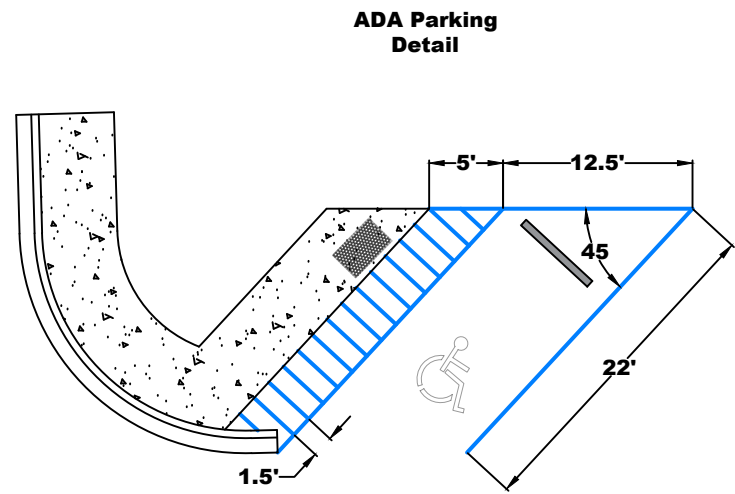
All Striping to be 4" spaces which are to specifically



Sloan Street Employee Parking

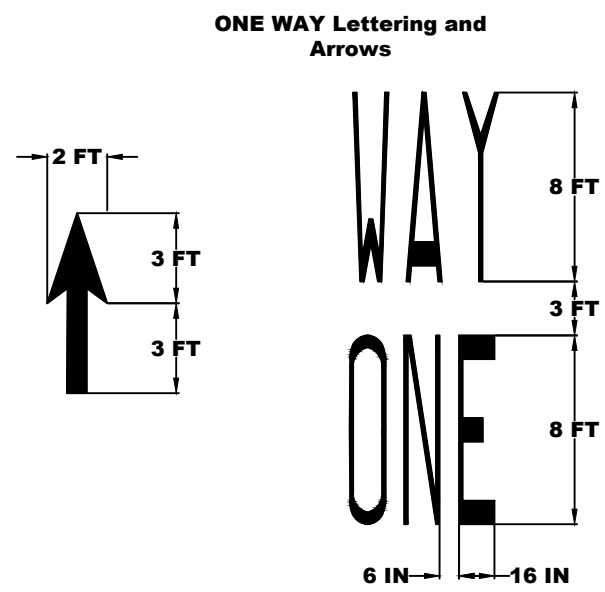
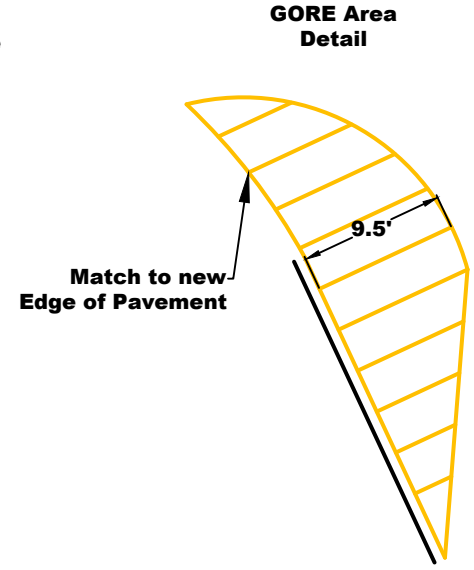
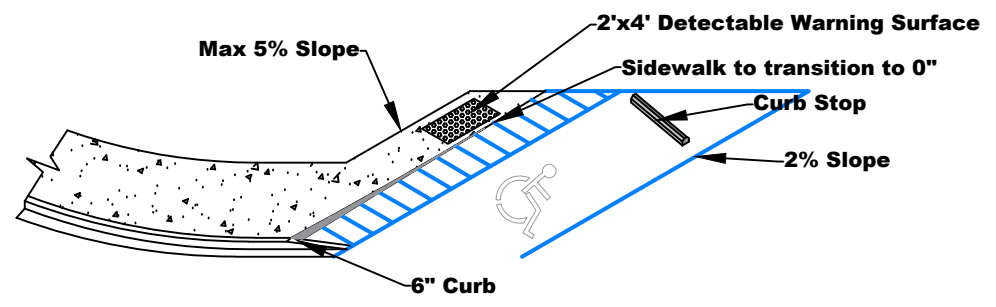
Signage and Striping

DATE	VERSION: 1.0
1:50	DESIGNED BY: NWH
PLOT DATE: 1/31/2024 DRAWN BY: NWH	



• All Private Parking Striping to be Purple

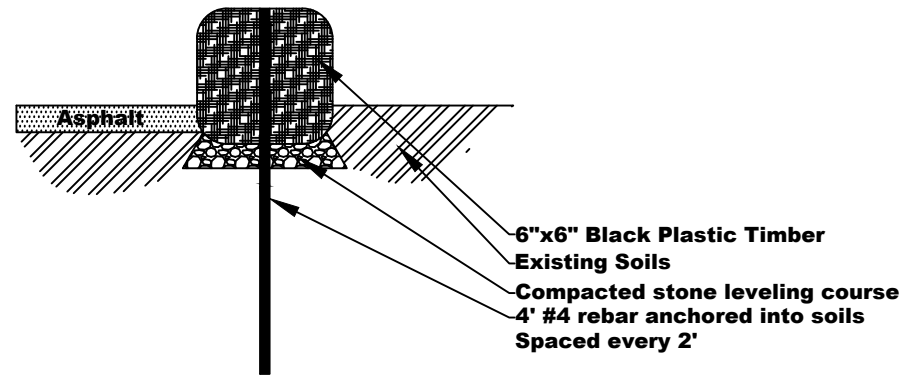
- All ADA spot striping shall be 4" wide handicap blue paint
- Handicap Spot Max Slope 2%, Min. Slope 2%



• GORE area to be striped with traffic yellow, parking spot to continue using White

- Use MUTCD Lettering
- Equal spacing between letters and center entire symbol in lane

Plastic Timber Post Curb



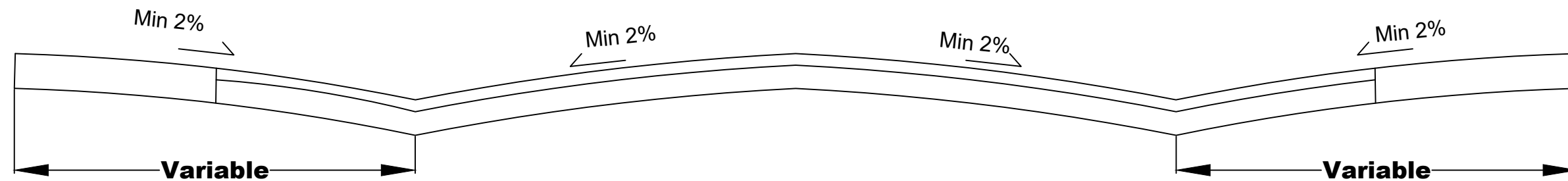
Sloan Street Employee Parking

Details

VERSION: 1.0	DESIGNED BY: NWH	DRAWN BY: NWH
DATE	NTS	
PLOT DATE: 1/31/2024		

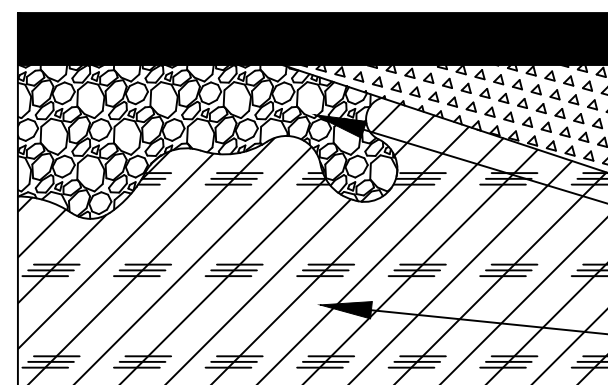


Road Super Elevation



- Replace demolished sections of asphalt using variable milling detail
- Asphalt running slope shall promote drainage

Variable Milling Patching in tree dense areas



- **Min. 2" Asphalt**
- **Variable Mill to asphalt cut, use compacted stone and/or asphalt millings for asphalt base leveling course**
- **Compacted stone base to be used as leveling course**
- **Existing soil**

Existing Soils:

- **If the soils are located within the tree protection zone, no compaction should happen**
- **If soils are located outside of tree protection zone, existing soils should be compacted to 90% proctor.**
- **City Horticulturist will define tree protection zone during pre-construction meeting**

Sloan Street Employee Parking

Details

VERSION: 1.0

DESIGNED BY: NWH

DRAWN BY: NWH

DATE

NTS

PLOT DATE: 1/31/2024



Sloan Street Employee Parking Signage Schedule

VERSION: 1.0
DESIGNED BY: NWH
DRAWN BY: NWH

DATE
NTS
PLOT DATE: 12/27/2023

S1



TAPCO RRFB :: 55W Solar
48ah Radio SOP
Amber
W11- arrangement

S6



Sign Detail
to be provided to winning
contractor - not MUTCD
approve
12"x18"

S7



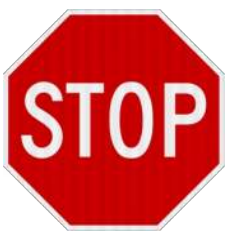
12"x18"

S8



R5-1

S9



36"x36", MUTCD
Retroreflective requirements
must be met

S2



R6-2



R6-6

S3

Wayfinding Signage - Sarah
design

S4



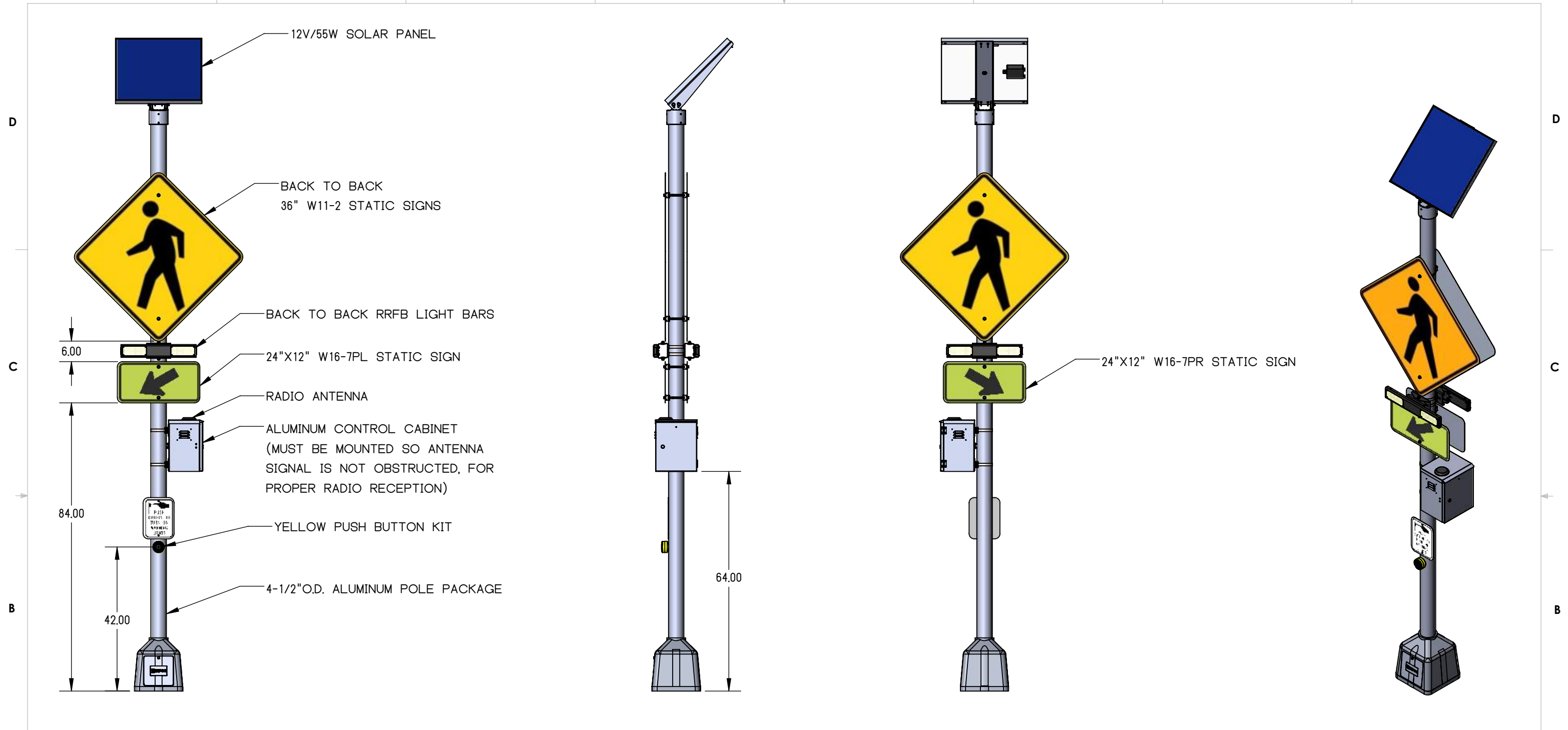
HR7-8


S5



Sign Detail
to be provided to winning
contractor - not MUTCD
approve
12"x18"

8 7 6 5 4 3 2 1



- NOTES:**
1. ORIENT SOLAR PANEL TOWARDS SOUTHERN SKY FOR MAXIMUM SOLAR EXPOSURE
 2. CONTROL CABINET HEIGHT MAY VARY.
 3. SNAP LOCKS ARE PROVIDED, STANDARD 3/4" S/S BANDING IS RECOMMENDED
 4. J-BOLTS NOT SHOWN
 5. ALL DIMENSIONS ARE FOR REFERENCE ONLY
 6. STATIC SIGNS NOT INCLUDED IN SYSTEM 



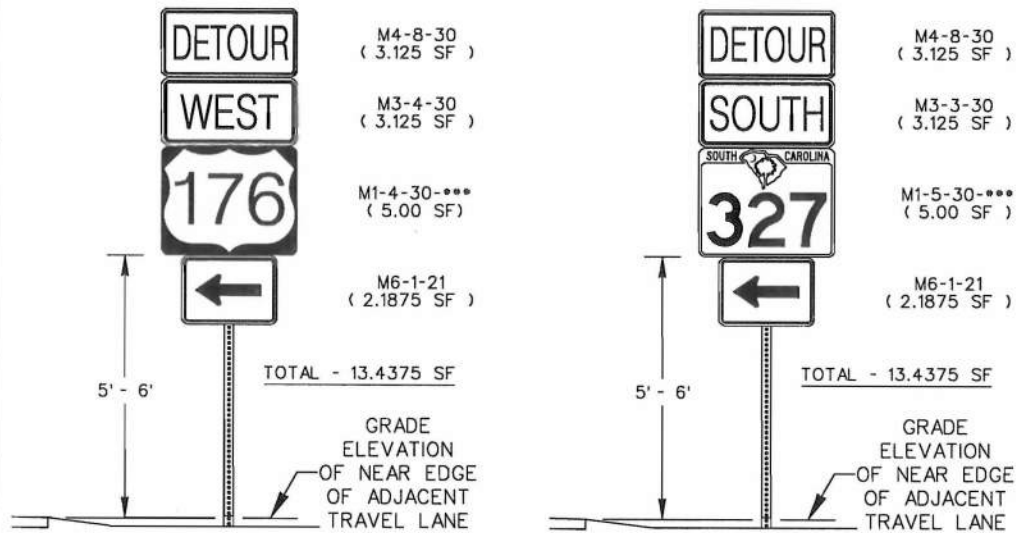
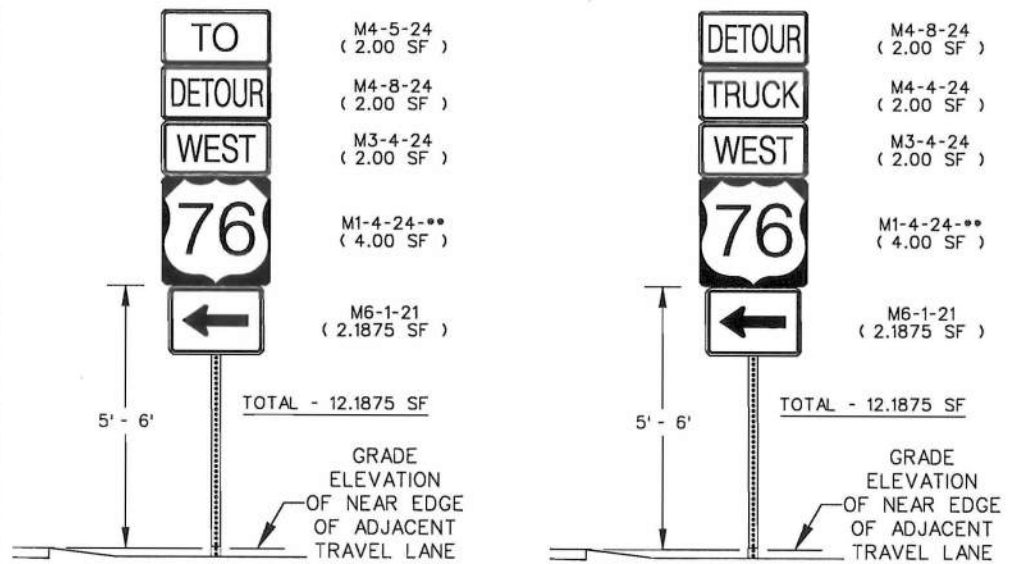
ENGINEERING SPECIFICATIONS 600147		INTERPRET GEOMETRIC TOLERANCING PER: ASME Y14.5-2009	
MATERIAL		REFERENCE:	
FINISH			

TOLERANCE UNLESS OTHERWISE SPECIFIED		TITLE: RRFB, SOLAR 55/48, RADIO, SOP, DS, AMBER, PH, H POLE X2 (36" W11-2 ARRANGEMENT)				
HOLE ϕ	± 0.03	DESIGNED BY: TAPCO		SIZE	DWG. NO.	
DEC.	INCH	DRAWN BY: C. GRAVES		B	600147	
X	± 0.030	5/7/2018				REV
XX	± 0.015	CHECKED BY:		B	SCALE: 1:28	
XXX	± 0.005	PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF TAPCO. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF TAPCO IS PROHIBITED.				SHEET 4 OF 6
ANGULAR	$\pm 0.5^\circ$					

8 7 6 5 4 3 2 1

SINGLE POST SIGN ASSEMBLY
14 SQUARE FEET OR LESS

2" x 2" 12 GAUGE SIGN SUPPORT
SECURED TO A
2 1/4" x 2 1/4" 12 GAUGE GROUND SUPPORT



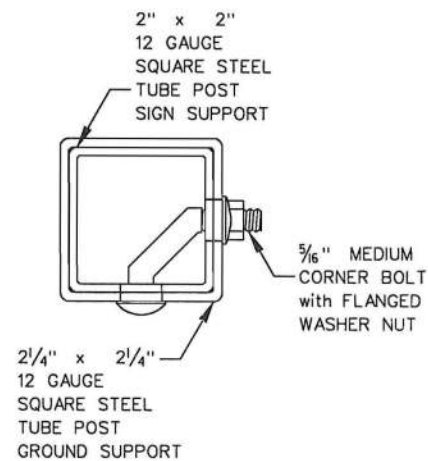
THE TOTAL SQUARE FOOTAGE OF SIGN PANELS ATTACHED TO A SINGLE 2" x 2" 12 GAUGE SIGN SUPPORT SECURED TO A 2 1/4" x 2 1/4" 12 GAUGE GROUND SUPPORT SHALL NOT EXCEED 14 SQUARE FEET. THESE SIGN ASSEMBLY ILLUSTRATIONS ARE TYPICAL APPLICATIONS PROVIDED FOR INFORMATION TO ILLUSTRATE SQUARE FOOTAGE TOTALS FOR THESE TYPES OF SIGN ASSEMBLY INSTALLATIONS.

SPECIAL NOTE:

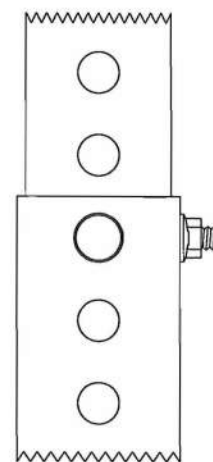
THE MINIMUM MOUNTING HEIGHT FOR GROUND MOUNTED GUIDE SIGN ASSEMBLIES, INCLUDING DETOUR SIGN ASSEMBLIES, WITH MULTIPLE SIGN PANELS IS 5' FROM THE GROUND TO THE BOTTOM OF THE ROUTE SIGN OR THE DETOUR SIGN PANEL (M4-9) UNLESS OTHERWISE DIRECTED BY THE DEPARTMENT. THE MINIMUM MOUNTING HEIGHT FOR ALL OTHER SIGNS SHALL REMAIN 7' UNLESS OTHERWISE DIRECTED BY THE DEPARTMENT.

SIGN SUPPORT
ATTACHMENT
TO
GROUND SUPPORT

TOP VIEW

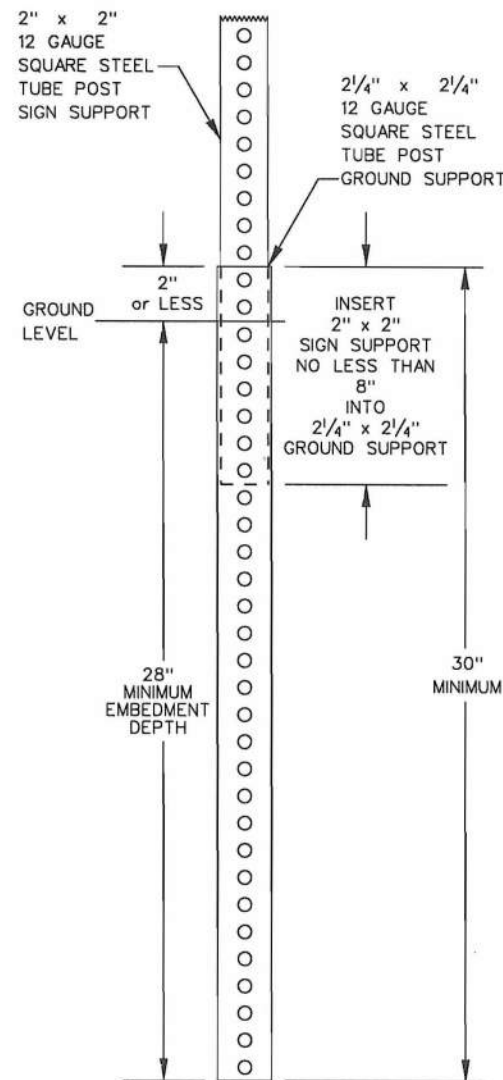


ELEVATION VIEW



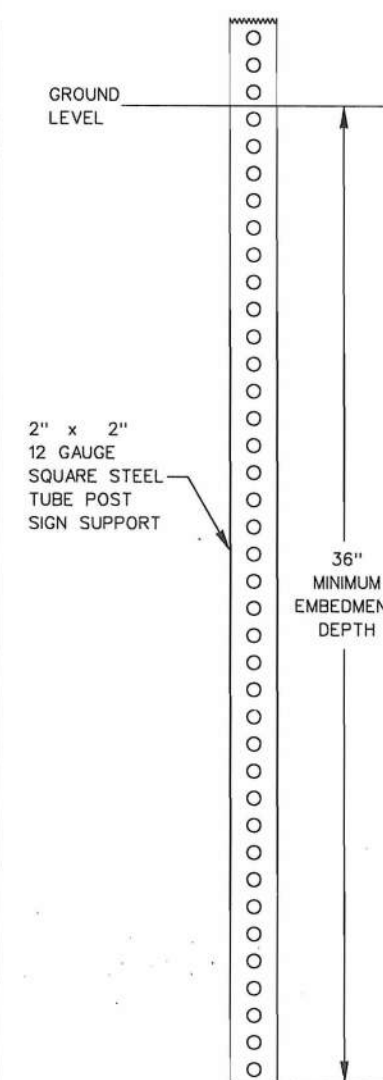
SECURE THE SQUARE STEEL TUBE POST SIGN SUPPORT TO THE SQUARE STEEL TUBE POST GROUND SUPPORT WITH A 5/16" MEDIUM CORNER BOLT AND FLANGED WASHER NUT.

SINGLE POST
BREAKAWAY
ANCHOR
FOR
SIGN PANELS
14 SQUARE
FEET OR LESS



28" MINIMUM EMBEDMENT OF THE 2 1/4" x 2 1/4" 12 GAUGE SQUARE STEEL TUBE POST GROUND SUPPORT IS REQUIRED.

SINGLE POST
DIRECT
EMBEDMENT
FOR
SIGN PANELS
14 SQUARE
FEET OR LESS



36" MINIMUM EMBEDMENT OF A SQUARE STEEL TUBE POST SIGN SUPPORT IS REQUIRED FOR A DIRECT EMBEDMENT INSTALLATION.

REFERENCES

WORK ZONE TRAFFIC CONTROL ENGINEER



Willie E. McConnell, Jr.
SIGNATURE
8/2/12
DATE

6			
5			
4			
3			
2			
1	9-21-11	JCS	ELEVATION NOTE
0	2-1-11	JCS	NEW DRAWING
#	DATE	CHK	DESCRIPTION

SCDOT
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
DESIGN STANDARDS OFFICE
955 PARK STREET
ROOM 405
COLUMBIA, SC 29201

STANDARD DRAWING

WORK ZONE SIGNING
SQUARE TUBE POSTS
SINGLE POST
TYP. INSTALLATIONS
SIGN PANEL SQUARE
FOOTAGE OF 14
SQUARE FT. OR LESS

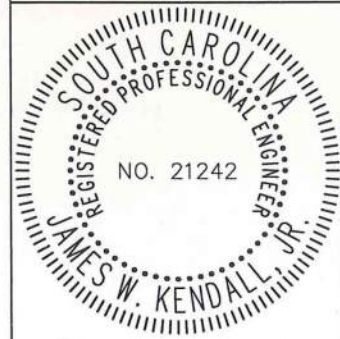
605-005-04
EFFECTIVE LETTING DATE JAN., 2013

REFERENCES

NATIONAL DOCUMENTS		

SCDOT DOCUMENTS		
QPL 61		
RELATED DRAWINGS & KEYWORDS		

THIS DRAWING IS ONLY VALID FOR CONSTRUCTION WHEN SEALED AND SIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF SOUTH CAROLINA. CHECK WWW.SCDOT.ORG FOR LATEST UPDATE.



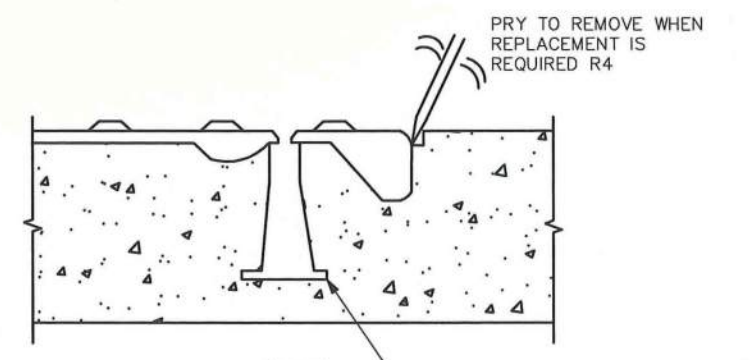
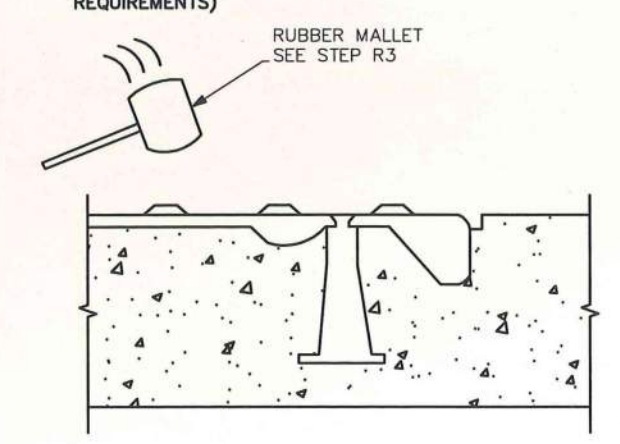
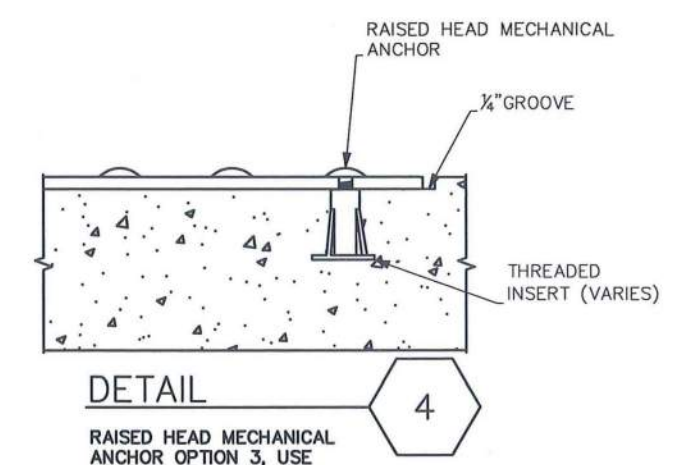
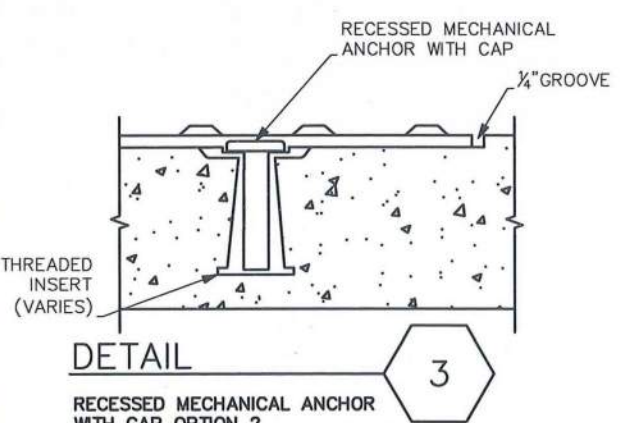
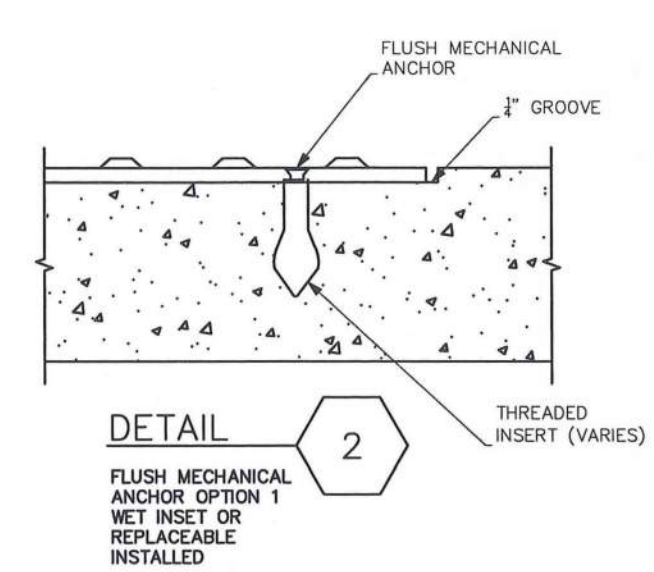
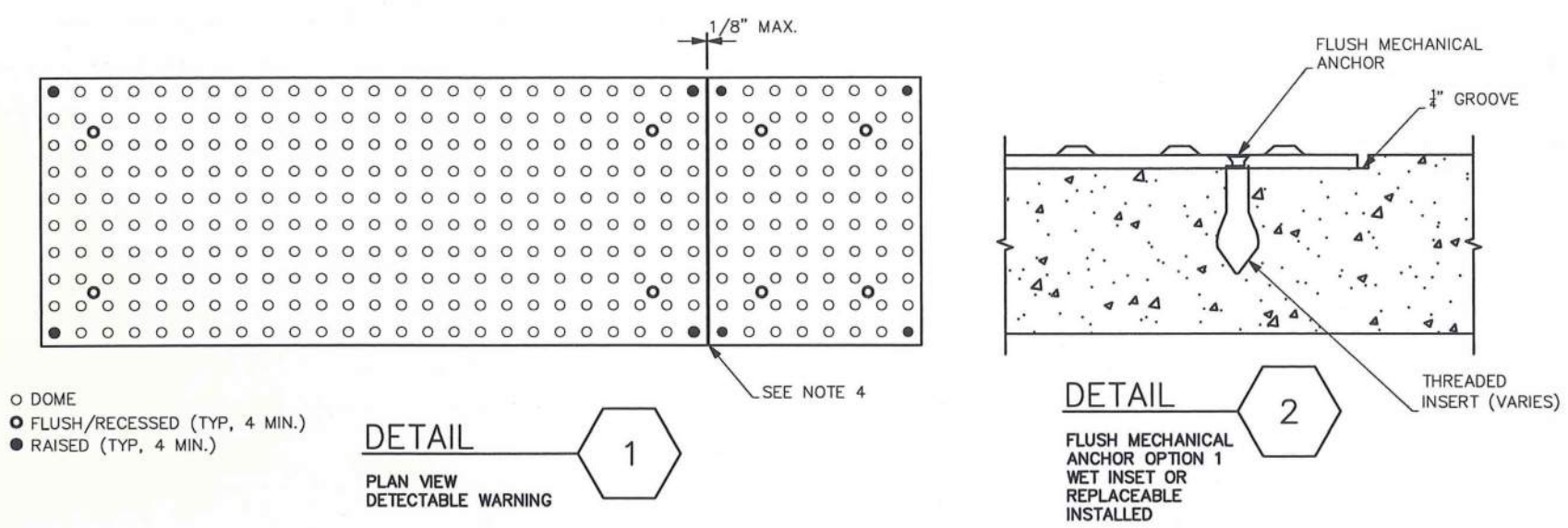
James W. Kendall, Jr.
SIGNATURE
12/10/2014
DATE

6	---	---	---
5	---	---	---
4	---	---	---
3	---	---	---
2	---	---	---
1	12/2014	JMG	MODIFIED NOTES
0	8/2012	DSO	NEW DRAWING
#	DATE	CHK	DESCRIPTION

SCDOT
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
DESIGN STANDARDS OFFICE
955 PARK STREET
ROOM 405
COLUMBIA, SC 29201

STANDARD DRAWING
DETECTABLE WARNING MATERIAL WET INSET MECHANICAL ANCHORS & THREADED INSERTS

720-910-01
EFFECTIVE LETTING DATE FEBRUARY, 2015



INSTALLATION NOTES:

- SEE SHEETS 720-901-XX FOR GENERAL NOTES. USE WET INSET STYLE DETECTABLE WARNINGS LISTED ON SCDOT QUALIFIED PRODUCT LIST 61 ONLY IN LOCATIONS WHERE NEW CONCRETE IS BEING POURED FOR RAMPS. DETAILS SHOWN MAY INCLUDE PROPRIETARY COMPONENTS, HOWEVER, ANY SYSTEM LISTED ON QPL61 AS WET INSET OR REPLACEABLE IS ACCEPTABLE FOR USE IN THESE CONDITIONS.
- FOLLOW DETECTABLE WARNING MATERIAL MANUFACTURER'S INSTALLATION INSTRUCTIONS AND THESE STANDARD DRAWINGS. WHERE CONFLICTS EXIST BETWEEN INSTALLATION PROCEDURES, PROVIDE A CERTIFICATION LETTER FROM THE MANUFACTURER STATING THE APPROPRIATE PROCEDURE(S) AND JUSTIFICATION THAT THE PROPOSED PROCEDURE WILL IMPROVE LONG TERM PERFORMANCE. NOTE TO RCE: SUBMIT A COPY OF THE CERTIFICATION LETTER TO THE DESIGN STANDARDS OFFICE SO THAT FUTURE DRAWINGS CAN MINIMIZE CONFLICTS.
- HAVE ALL MATERIALS NEEDED TO COMPLETE INSTALLATION AVAILABLE BEFORE PLACING CONCRETE.
- MINIMIZE THE USE OF FIELD CUT PIECES. UNLESS SPECIFIED IN THE PLANS OR SPECIAL PROVISIONS, INSTALL ALL FIELD CUT EDGES ALONG ONLY ONE SIDE OF THE WARNING PATTERN. CUT WARNING MATERIAL TO MEET THE REQUIRED GEOMETRY OF THE RAMP WHILE MINIMIZING THE CUTTING OF DOMES.
- ATTACH AND TIGHTEN AT LEAST FOUR (4) MECHANICAL ANCHORS WITH THREADED INSERTS INTO THE DETECTABLE WARNING MATERIAL. USE ADDITIONAL MECHANICAL ANCHORS AND THREADED INSERTS IF SPECIFIED BY THE MANUFACTURER OR REQUIRED BY THE ENGINEER.
- CONSTRUCT LANDING AS SHOWN ON APPROPRIATE STANDARD DRAWING FOR THE RAMP STYLE SELECTED.
- WORK PANELS DOWNWARD AS NECESSARY INTO THE LOCATION SHOWN.
- EVENLY PRESS THE ASSEMBLED WARNING MATERIAL INTO THE CONCRETE UNTIL THE TILE IS FLUSH WITH THE CONCRETE SURFACE.
- TAP USING A RUBBER Mallet TO REMOVE AIR POCKETS. FOLLOW MANUFACTURER'S INSTALLATION INSTRUCTIONS TO REMOVE AIR POCKETS AROUND THREADED INSERTS AND UNDER WARNING MATERIAL. FINISHED PRODUCT SHOULD HAVE NO BUBBLES OR AIR POCKETS THAT MOVE WHEN STEPPED ON.
- SCORE A 1/4" DEEP AND WIDE GROOVE AROUND THE DETECTABLE WARNING.
- APPLY WEIGHTS IF NECESSARY TO KEEP DETECTABLE WARNING FLUSH WITH TOP OF CONCRETE.
- CLEAN SURFACE OF LOOSE CONCRETE AND DEBRIS. IF PRESENT, REMOVE PROTECTIVE COVERING FROM DETECTABLE WARNING MATERIAL.

REPLACEMENT NOTES:

- VERIFY THAT EXISTING WARNING MATERIAL IS A REPLACEABLE SYSTEM. IF EXISTING WARNING MATERIAL IS DAMAGED, ORDER REPLACEMENT MATS FROM SAME MANUFACTURER AS EXISTING INSTALLATION.
- EXPOSE FASTENERS AND REMOVE.
- TAP PERIMETER OF TILE WITH A RUBBER Mallet TO LOOSEN THE BOND OF DETECTABLE WARNING MATERIAL TO THE CONCRETE.
- PRY DETECTABLE WARNING MATERIAL FROM CONCRETE.
- REPAIR ANY DAMAGED CONCRETE. IF NEEDED, REMOVE AREA LARGE ENOUGH TO INSTALL A NEW REPLACEABLE DETECTABLE WARNING MATERIAL.
- VACUUM OR SWEEP ALL DEBRIS FROM CREVICES.
- CUT NEW DETECTABLE WARNING MATERIAL IF NEEDED TO MATCH EXISTING CUT.
- PLACE NEW DETECTABLE WARNING INTO EXISTING SPACE.
- INSERT REPLACEMENT ANCHORS AND HAND TIGHTEN. GENTLY APPLY PRESSURE TO SEAT TILE IN RECESS, FULLY TIGHTEN BOLTS.
- INSTALL BOLT COVERS IF APPLICABLE.

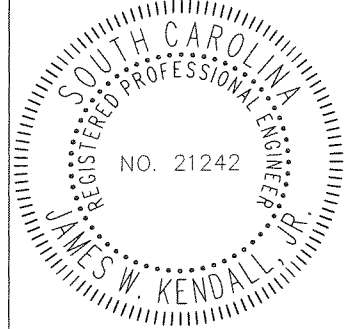
REFERENCES

NATIONAL DOCUMENTS
 REVISED DRAFT GUIDELINES FOR ACCESSIBLE PUBLIC RIGHTS-OF-WAY NOVEMBER, 2005.
 MUTCD 2009

SCDOT DOCUMENTS
 SCDOT TRANSITION PLAN
 QPL 61

RELATED DRAWINGS & KEYWORDS

THIS DRAWING IS ONLY VALID FOR CONSTRUCTION WHEN SEALED AND SIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF SOUTH CAROLINA. CHECK WWW.SCDOT.ORG FOR LATEST UPDATE.



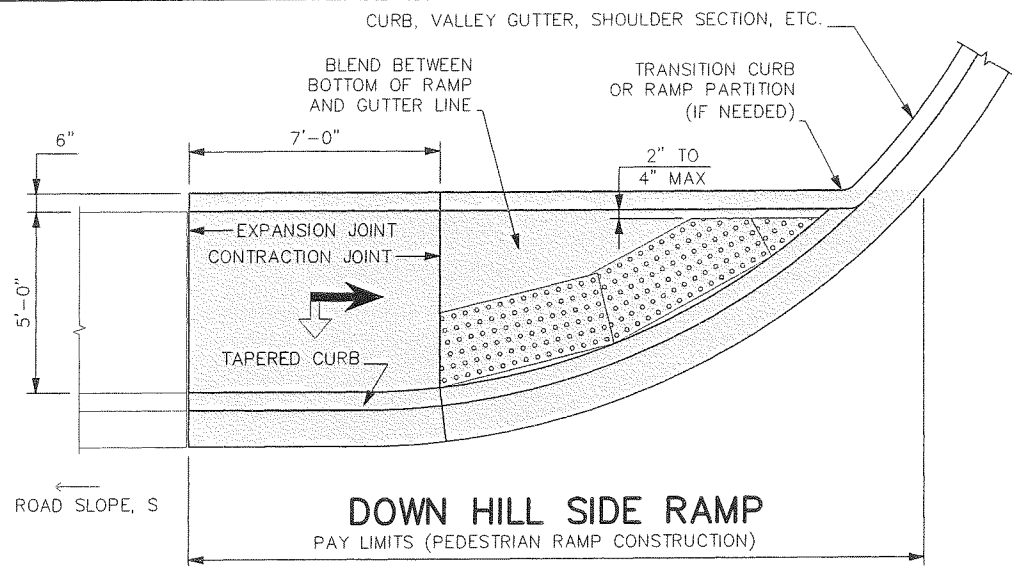
James W. Kendall, Jr.
 SIGNATURE
 10/30/2015
 DATE

6	---	---	---
5	---	---	---
4	---	---	---
3	1/16	HJC	REM DET 2, GENERAL
2	1/15	JMG	BLEND NOTES
1	10/14	JMG	REMOVED PAY ITEMS
0	1/13	DSO	NEW DRAWING
#	DATE	CHK	DESCRIPTION

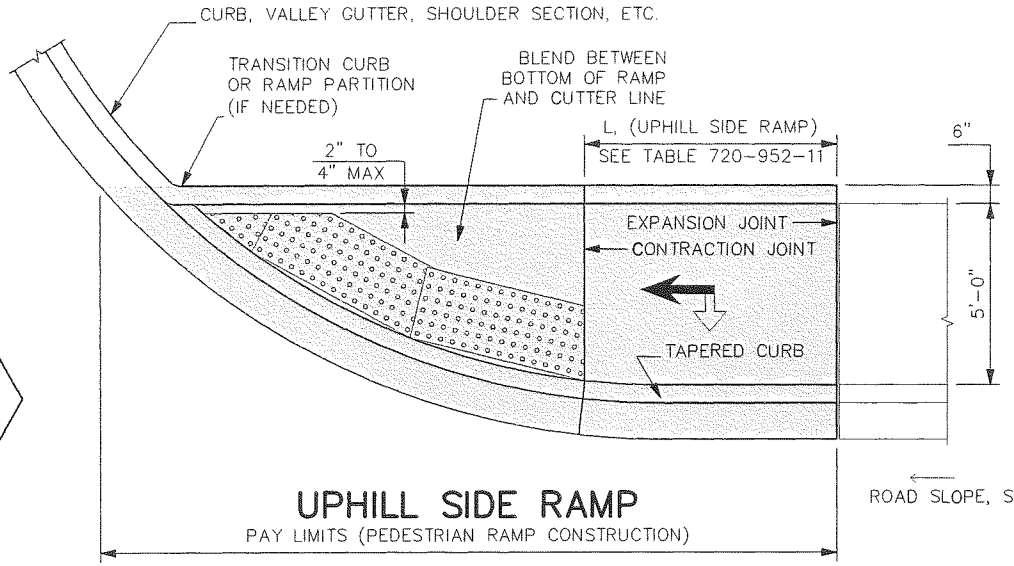


STANDARD DRAWING
 PEDESTRIAN RAMP
 CONDENSED
 TERMINAL
 (PARALLEL RAMP)

720-952-11
 EFFECTIVE LETTING DATE JANUARY 2016

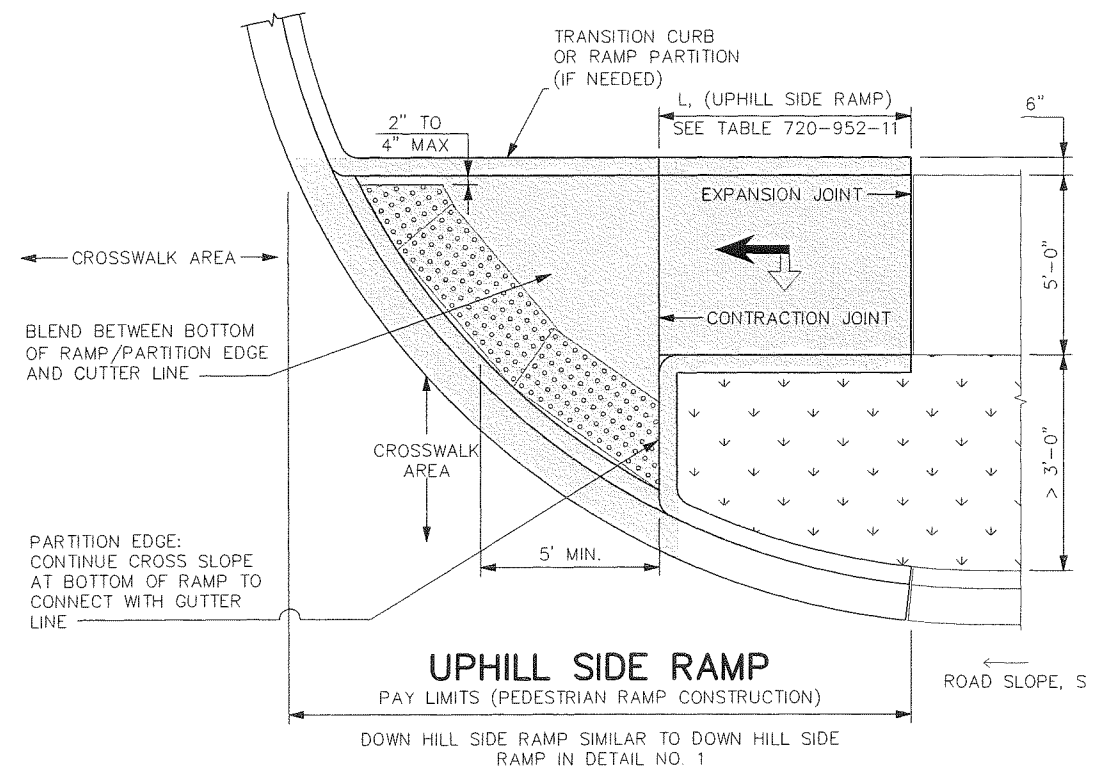


DETAIL 1
 SCALE: 3/16" = 1'-0"
 PLAN
 NO GRASS STRIP
 SEE 720-901-03 FOR SYMBOLS
 SINGLE CROSSWALK



NOTES:

- SEE STANOARD DRAWINGS 720-901-XX FOR GENERAL NOTES AND 720-901-03 FOR SYMBOLS.
- SEE STANDARD DRAWINGS 720-91X-XX FOR INSTALLATION PROCEDURES FOR DETECTABLE WARNING SURFACE MATERIALS.
- SEE STANOARD DRAWINGS 720-929-XX FOR VARIANTS TO THIS STANOARD.
- QUANTITIES IN TABLE 720-952-11 ASSUME THAT DOWN HILL SIDE RAMP IS ALWAYS AT LEAST 7'-0" LONG.
- CONSTRUCT RAMP PARTITION AT ALL LOCATIONS WHERE ROADWAY DRAINAGE COULD DISCHARGE ONTO ADJACENT PROPERTY. CONSTRUCT RAMP PARTITION IF NEEDED TO RETAIN EXISTING GROUND ELEVATION ON ADJACENT PROPERTY.



DETAIL 2
 SCALE: 3/16" = 1'-0"
 PLAN
 > 3'-0" GRASS STRIP
 SEE 720-901-03 FOR SYMBOLS
 CONSIDER USING PERPENDICULAR RAMP TO CROSS MAIN LINE
 DUAL CROSSWALK

TABLE: 720-952-11 (SEE 720-929-01, X=10')

ROAD SLOPE, S (%)	L, (UPHILL SIDE RAMP), [FT]
S ≤ 1%	7'-0"
1% > S ≤ 3%	10'-0"
S > 3%	15'-0"

