

SHEET NOTES:

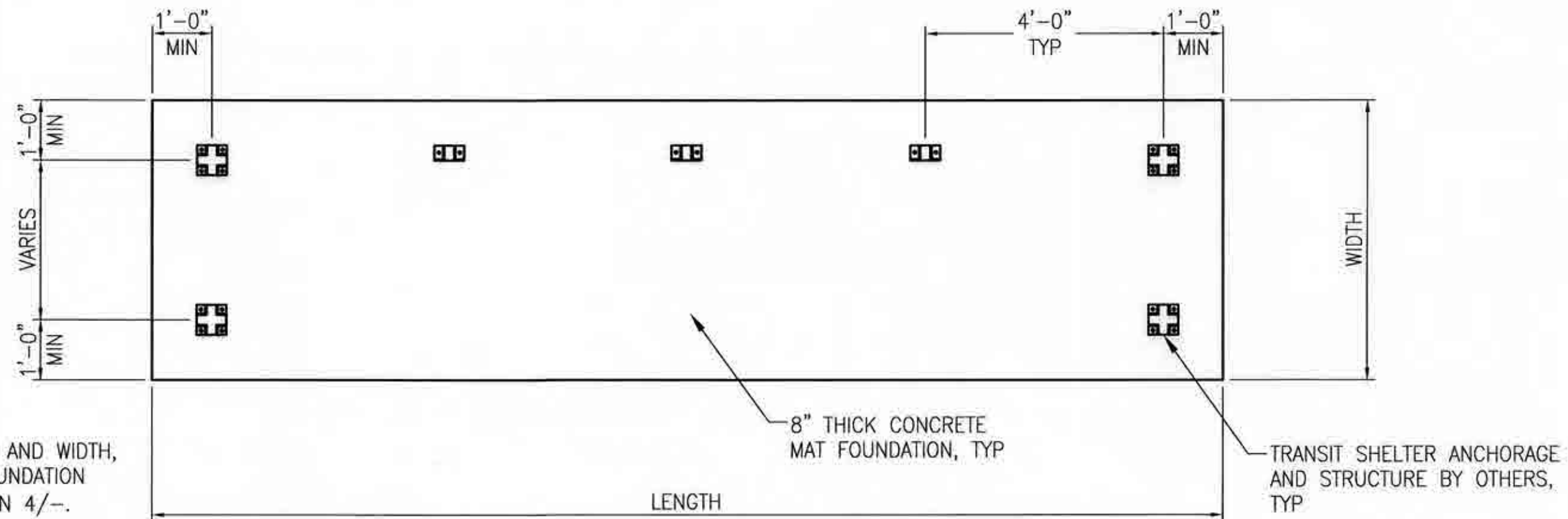
1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, FINISH SURFACES, SLOPES, DRAINS, ETC. WITH OTHER DRAWINGS AND EXISTING FIELD CONDITIONS PRIOR TO START OF CONSTRUCTION.
2. CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY SHORING.
3. TRANSIT SHELTER STRUCTURE AND ANCHORAGE TO FOUNDATION ARE THE DESIGN RESPONSIBILITY OF OTHERS.
4. ANCHORAGE LOCATIONS AND COLUMN CENTERLINES ARE SHOWN FOR REFERENCE ONLY.
5. MODIFY SIZE OF MAT FOUNDATION TO ACCOMMODATE TRANSIT SHELTER STRUCTURE AS REQUIRED.
6. CONCRETE SHALL CONFORM TO THE FOLLOWING:  
MINIMUM CONCRETE COMPRESSIVE STRENGTH:  $f'_c = 3,000$  PSI AT 28 DAYS  
MAXIMUM WATER/CEMENTITIOUS MATERIAL RATIO:  $w/cm = 0.40$   
CEMENT: PORTLAND CEMENT CONFORMING TO ASTM C150, TYPE I  
COURSE AGGREGATES: CONFORMING TO ASTM C33 WITH MAXIMUM AGGREGATE SIZE OF 1"
7. REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60, CLEAN AND RUST FREE. LAPS AT SPLICES SHALL BE A MINIMUM OF 2'-6".
8. PROVIDE 1-1/2" COVER FOR REINFORCING STEEL AT FORMED SIDES OF MAT FOUNDATION.
9. FINISH SURFACE OF TRANSIT SHELTER PAD WITH TROWELED FINISH.
10. MINIMUM 12" OF SOIL BELOW TRANSIT SHELTER MAT FOUNDATION SHALL BE SCARIFIED AND COMPACTED TO 95% RELATIVE COMPACTION PER ASTM D1557 - STANDARD TEST METHODS FOR LABORATORY COMPACTION CHARACTERISTICS OF SOIL USING MODIFIED EFFORT, AND ASTM D6938 - STANDARD TEST METHODS FOR IN-PLACE DENSITY AND WATER CONTENT OF SOIL AND SOIL-AGGREGATE BY NUCLEAR METHODS.
11. CURE CONCRETE TRANSIT SHELTER MAT FOUNDATION FOR 7 DAYS MINIMUM, UNLESS OTHERWISE APPROVED BY CITY REPRESENTATIVE. APPLY CURING COMPOUND CONFORMING TO ASTM C309, TYPE 1, CLASS A OR B, PER MANUFACTURER'S DIRECTIONS. CURING SHALL COMMENCE IMMEDIATELY FOLLOWING FINISHING OF CONCRETE SURFACE.

MAT FOUNDATION SCHEDULE		
TRANSIT SHELTER TYPE	LENGTH	WIDTH
8' LONG MEDIUM WIDTH SHELTER	10'-0"	4'-8"
12' LONG MEDIUM WIDTH SHELTER	14'-0"	4'-8"
16' LONG MEDIUM WIDTH SHELTER	18'-0"	4'-8"
8' LONG CANTILEVER WIDTH SHELTER	10'-0"	4'-8"
12' LONG CANTILEVER WIDTH SHELTER	14'-0"	4'-8"
16' LONG CANTILEVER WIDTH SHELTER	18'-0"	4'-8"
8' LONG NORMAL WIDTH SHELTER	10'-0"	6'-8"
10' LONG NORMAL WIDTH SHELTER	14'-0"	6'-8"
12' LONG NORMAL WIDTH SHELTER	18'-0"	6'-8"

MAT FOUNDATION SCHEDULE

SCALE: NONE

4

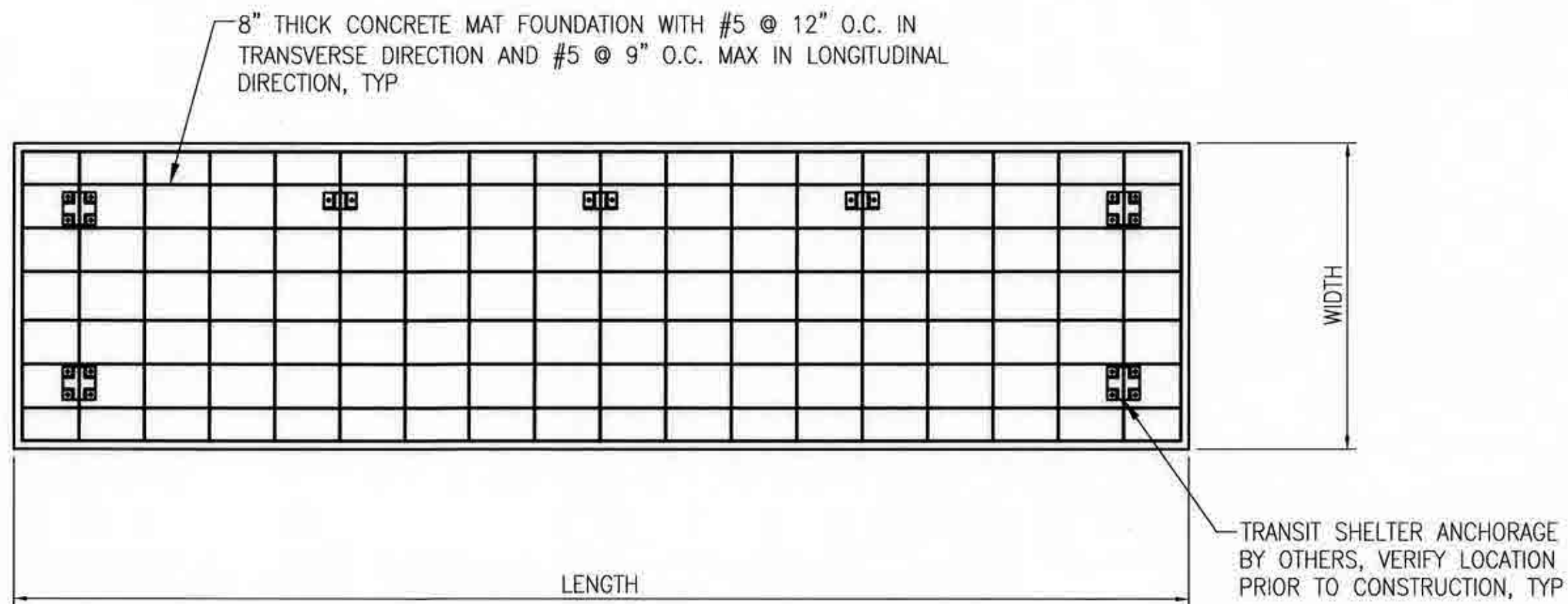


- NOTES:
1. FOR LENGTH AND WIDTH, SEE MAT FOUNDATION SCHEDULE ON 4/-.

TRANSIT SHELTER MAT FOUNDATION PLAN

SCALE: 1/2"=1'-0"

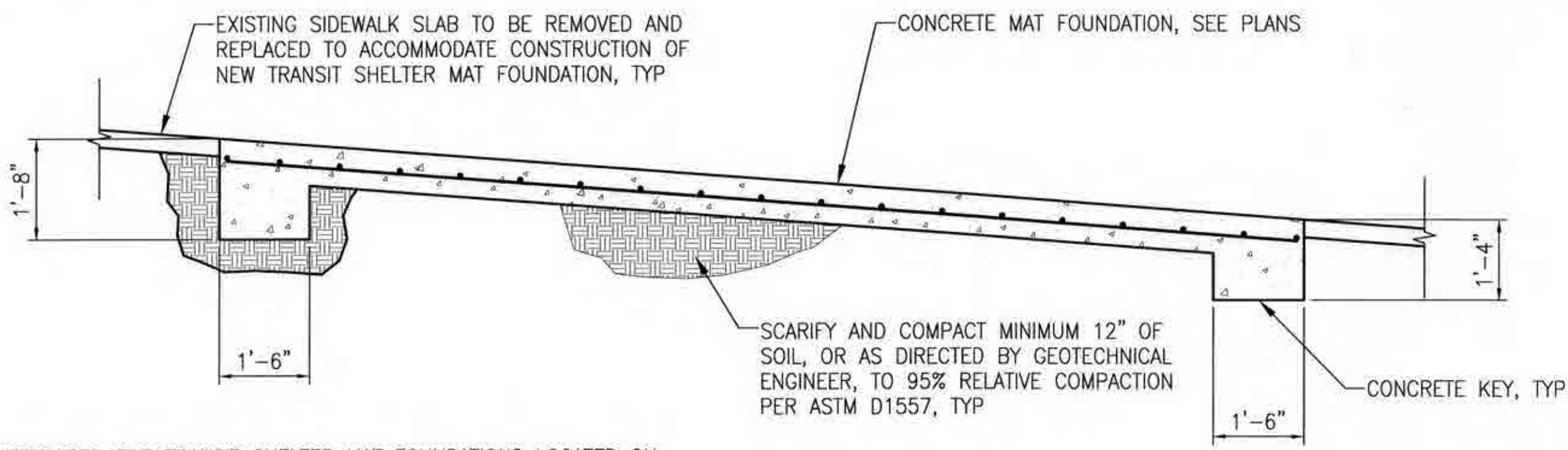
1



TRANSIT SHELTER MAT FOUNDATION PLAN - REINFORCEMENT LAYOUT

SCALE: 1/2"=1'-0"

2

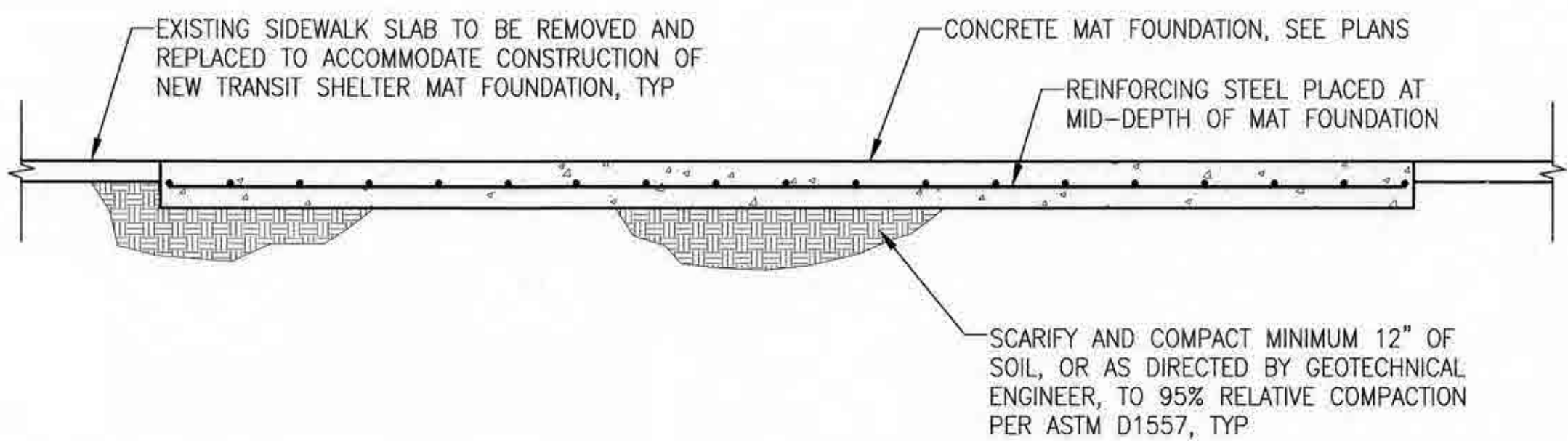


- NOTES:
1. KEYS ARE REQUIRED FOR TRANSIT SHELTER MAT FOUNDATIONS LOCATED ON SLOPED SITES EXCEEDING SLOPE OF 1:12.
  2. DO NOT USE STANDARD DETAIL FOR TRANSIT SHELTERS LOCATED ON SLOPED SITES EXCEEDING SLOPE OF 1:4. CONTACT CITY REPRESENTATIVE FOR ADDITIONAL REQUIREMENTS.

TRANSIT SHELTER MAT FOUNDATION SECTION - SLOPED SITE

SCALE: 1/2"=1'-0"

6



TRANSIT SHELTER MAT FOUNDATION SECTION

SCALE: 1/2"=1'-0"

3

PLAN APPROVAL DATE	CONTRACT No.	PROJECT ID	DISTRICT	COUNTY	ROUTE	POST MILES TOTAL PROJECT
	04-0G3501	0400000325	04	SF	1	R0.94/4.05
19TH AVENUE (STATE ROUTE 1) COMBINED CITY PROJECT						
TRANSIT SHELTER MAT FOUNDATION CONSTRUCTION DETAIL						
CONTRACT NO. 2652J DRAWING NO. S-1 FILE NO. 111,654 REV. NO.						

NO.	DATE	DESCRIPTION	BY	APP.
TABLE OF REVISIONS				
THIS DRAWING WAS LAST MODIFIED: 02/14/19 10:11, BY: jmunoz				

REFERENCE INFORMATION & FILE NO. OF SURVEYS



**BUREAU OF DESIGN & ENGINEERING**  
CITY & COUNTY OF SAN FRANCISCO  
SAN FRANCISCO PUBLIC WORKS  
30 VAN NESS AVENUE, 5TH FLOOR  
SAN FRANCISCO, CA 94102 - 6028

Acting Section Mgr:	ERIC KJELSBORG	Date:	2/14/19
Deputy Bureau Mgr:	FERNANDO CISNEROS	Date:	2/15/19
Bureau Mgr:	PATRICK RIVERA	Date:	2/15/19

DESIGNED:	DATE:
JM	02/19
DRAWN:	DATE:
JM	02/19
CHECKED:	DATE:
CY	02/19



SCALE:	AS SHOWN
SHEET OF SHEETS	

Drawing Path: V:\2652L\_19th Avenue Combined City Project\2 Design\Working Drawings\ES\Current\2652L\_Transit Shelter\2652L\_Transit Shelter.dwg  
Plot Time: Thu, 14 Feb 2019 - 2:56pm  
Model Units: Inches