March 13, 2024

City of Mercedes

ADDENDUM NO. 2024 – 007 (A)

Request for Proposals for

Road Repair Services

Prospective Proposers and all concerned are hereby notified of the following changes in the Request for Proposals document for the above-listed RFP. These changes shall be incorporated in and shall become an integral part of the RFP documents.

1. The City of Mercedes is seeking vendors to be on a rotation for road repair services as needed.
2. Included are the bid sheet and specifications.
3. The deadline to submit the RFP has been changed to March 27, 2024 at 3:00 pm.
4. New point of contact is Javier Ramirez. Contact information is listed below.

If you need additional clarification, you may contact Javier Ramirez at (956) 565-3114 ext. 132, Email: jramirez@cityofmercedes.com and cc'd Rey Trevino at rtrevino@cityofmercedes.com.

End of Addendum

City of Mercedes
Street Improvements
FY 2024

Bid Item	Item	Quantity Totals	Units	Unit Price	Total Line Item Price
1	2" Type "D" HMAC w/ MC-30 Prime Coat @ 0.2 Gal/SY	4500	SY	$	$
2	3" Type "D" HMAC w/ MC-30 Prime Coat @ 0.2 Gal/SY	4500	SY	$	$
3	8-inch Crushed Limestone Flexible Base	4500	SY	$	$
4	10-inch Crushed Limestone Flexible Base	2000	SY	$	$
5	12-inch Crushed Limestone Flexible Base	2000	SY	$	$
6	4-inch Crushed Limestone Flexible Base (for curb and gutter)	4000	SY	$	$
7	6-inch Scarify/Reclaim Exist. HMAC and Flex Base Material with additional Crushed Limestone (if necessary)	4500	SY	$	$
8	Pavement Repair - Include Removal of Exist. Asphalt and Flex Base Material and Replacing with 8-inches of Crushed Limestone Flexible Base (not including HMAC)	4500	SY	$	$
9	1 1/2"-2" Mill Exist. Asphalt Pavement	4500	SY	$	$
10	Adjust Existing Manhole to Grade (Inc'l Remove and Replace Existing Concrete Collars)	20	EA	$	$
11	Adjust Existing Water Valve Boxes to Grade (Inc'l Remove and Replace Existing Concrete Collars)	20	EA	$	$
Total Bid					$

Section 10
Street and Roadway Policy

10.1 General

The purpose of this section is to outline the general requirements for the design of roadways within the City and provide typical details for construction. The City of Mercedes's City Engineer should be consulted if any deviations from these standards are anticipated before and during construction. In cases where design limitations or physical barriers restrict compliance with the provisions of this section, alternatives are to be considered by the City Engineer. All street and roadway improvements shall conform to the City of Mercedes's Code of Ordinances and the adopted Thoroughfare Plan.

10.2 Standards for Public Roads

A. The following table shows the minimum specifications for the design of streets and roadways. These specifications do not govern any state highways within the city and state highways shall conform to meet the Texas Department of Transportation specifications. All street pavements shall be designed by a Geotechnical Engineer. Design of pavements shall be submitted to the City Engineer for approval.

Table 4-1 Street Classification/Flexible Pavements Standards

Characteristic	Street Classification			
	Local	Collector	Minor Arterial	Principal Arterial
Street Width (back of curb to back of curb (B-B)	32' B-B to 40' B-B[4]	40' B-B[4] to 44' B-B	52' B-B to 65' B-B	65' B-B and Greater
Minimum Structural Section				
Subgrade[1]	8 inches	8 inches	12 inches	12 inches
Flexible Base[2]	8 inches	10 inches	12 inches	12 inches
Hot Mix Asphaltic Concrete (HMAC)[3]	2 inches	2 ½ inches	3 inches	3 inches
Min. Transverse Slope	2%	2%	2.5%	2.5%
Min. Longitudinal Slope	0.2%	0.2%	0.2%	0.2%
Min. Width of Curb and Gutter	18 inches	18 inches	24 inches	24 inches

A. Subgrade should be compacted to 95% maximum dry density, as determined by the standard proctor (ASTM D698) and treated with lime at an applicable rate if the plasticity index of the soils is greater than 20. All compacted subgrade shall extend to a minimum of 1 foot behind the proposed back of curb.

B. The flexible base shall be compacted to 98% maximum dry density, as determined by the standard proctor (ASTM D698) and treated with lime at an applicable rate if the plasticity index of the soils is greater than 12. All compacted flexible base shall extend to a minimum of 1 foot behind the proposed back of curb.

C. All hot mix asphaltic concrete shall consist of Type ”D”, crushed limestone aggregate and be compacted to 95% of the maximum theoretical dry density.

D. 40’ B-B may be designated as a local or collector street depending on the streets function.

E. Corner clips and radius dimension given in the table below shall govern on all City intersections with the exception of intersections on TxDOT right-of-way.

Table 4-2 Corner Clip & Radius Dimensions

Corner Clip / Radius Dimension					
Roadway Type	Minor Residential (50’ ROW)	Residential Collector (60’ ROW)	Collector (80’ ROW)	Minor Arterial (100’ ROW)	Principal Arterial (120’ ROW)
Minor Residential (50’ ROW)	(15’ / 20’)	(20’ / 20’)	(30’ / 25’)	(40’ / 30’)	(50’ / 35’)
Residential Collector (60’ ROW)	(20’ / 20’)	(20’ / 25’)	(30’ / 30’)	(40’ / 35’)	(50’ / 40’)
Collector (80’ ROW)	(30’ / 25’)	(30’ / 30’)	(30’ / 35’)	(40’ / 40’)	(50’ / 50’)
Minor Arterial (100’ ROW)	(40’ / 30’)	(40’ / 35’)	(40’ / 40’)	(40’ / 50’)	(50’ / 50’)
Principal Arterial (120’ ROW)	(50’ / 35’)	(50’ / 40’)	(50’ / 50’)	(50’ / 50’)	(50’ / 50’)

10.3 Standards for Private Roads

A. Public road standards in Section A above apply to any private roads within the City of Mercedes.

B. The width of access agreements for private roads are to be established as the same width required for public street right-of-way.

C. Street light standards for public roads shall be applied to private roads.

10.4 Testing Requirements

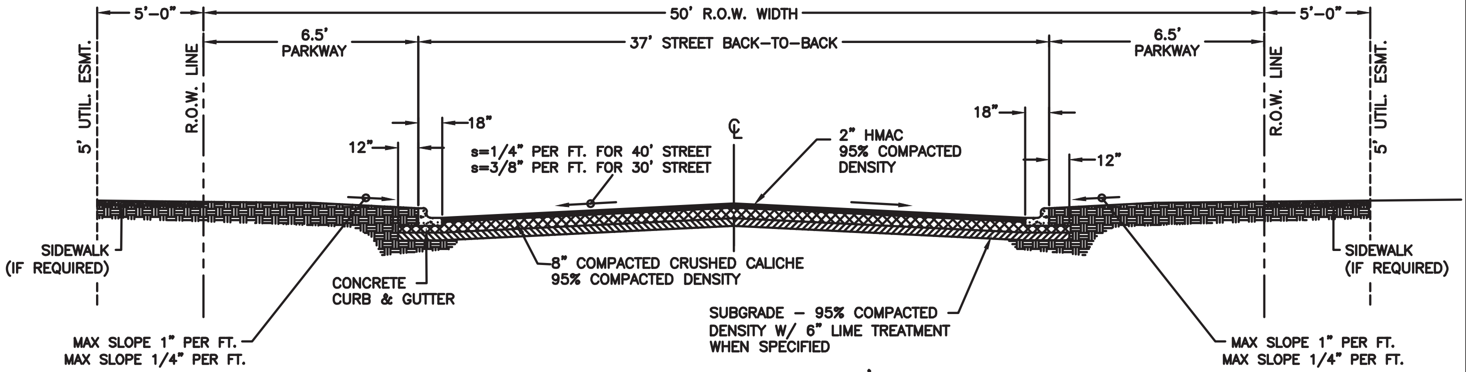
A. Material testing should be performed by a Professional Geotechnical Engineer licensed to practice in the State of Texas.

B. Material testing shall be paid by the developer through the Material Testing Fee (3%). Additional funds may be required if additional costs are incurred, and must be paid for before final acceptance of the subdivision.

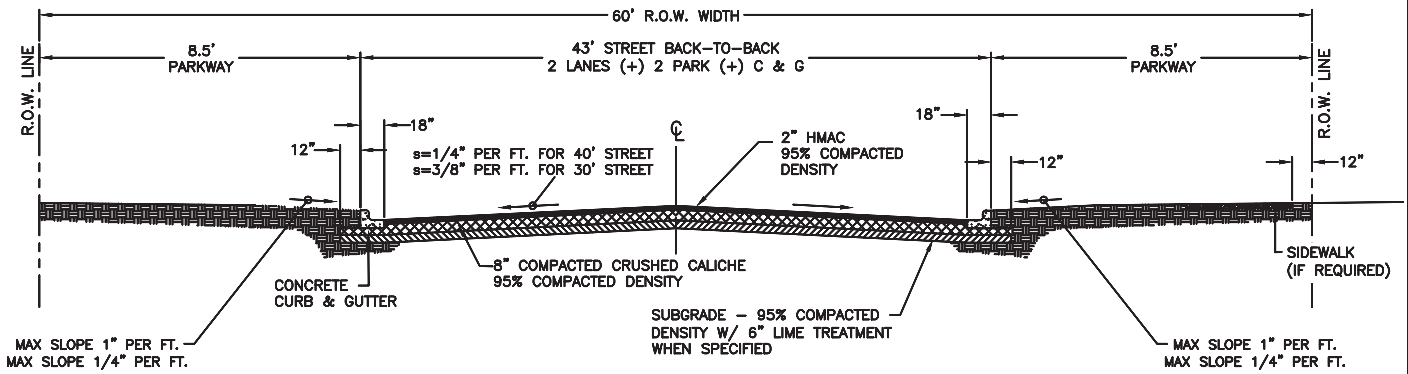
C. The following table shows the testing requirements for material types in a typical roadway.

Table 4-3 Material Testing Requirements

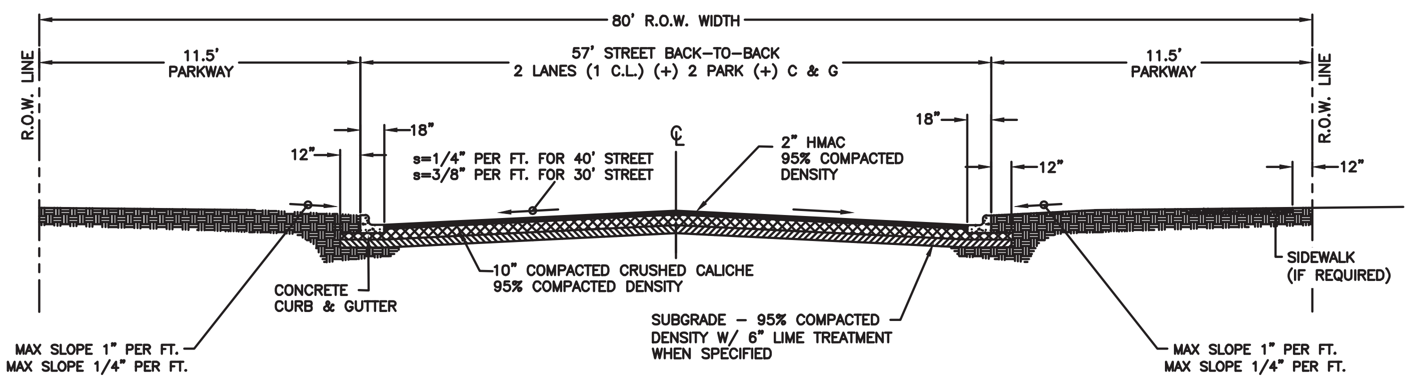
Material Type	Testing Requirement	
Subgrade	1 test for every 1,000 square yards of street area for compaction and depth using standard proctor compaction test	
Flexible Base	1 test for every 1,000 square yards of street area for compaction and depth using standard proctor compaction test	
Hot Mix Asphaltic Concrete (HMAC)	1 test for every 1,500 square yards of street area for thickness verification using core samples	
Concrete	**Curb & Gutter**	**Concrete Pavement**
	3 cylinders for every 1,500 linear feet of curb and gutter to be broken at 7 and 28 days	3 cylinders for every 1,000 square yards, slump & air test for every 1,000 square yards



TYPICAL PAVING DETAIL FOR 37' B–B STREETS
RESIDENTIAL AND CUL–DE–SAC MINOR STREETS

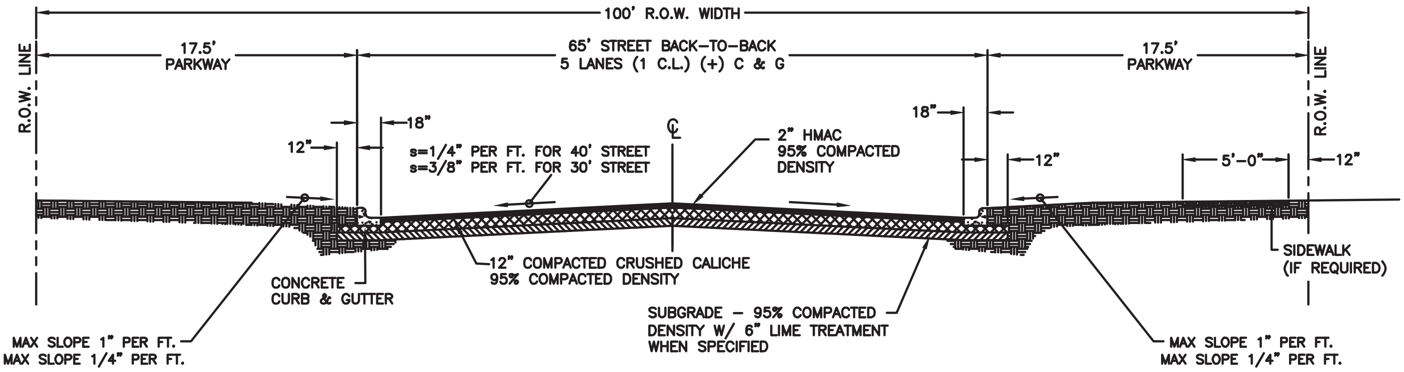


TYPICAL PAVING DETAIL FOR 43' B–B STREETS
RESIDENTIAL COLLECTOR

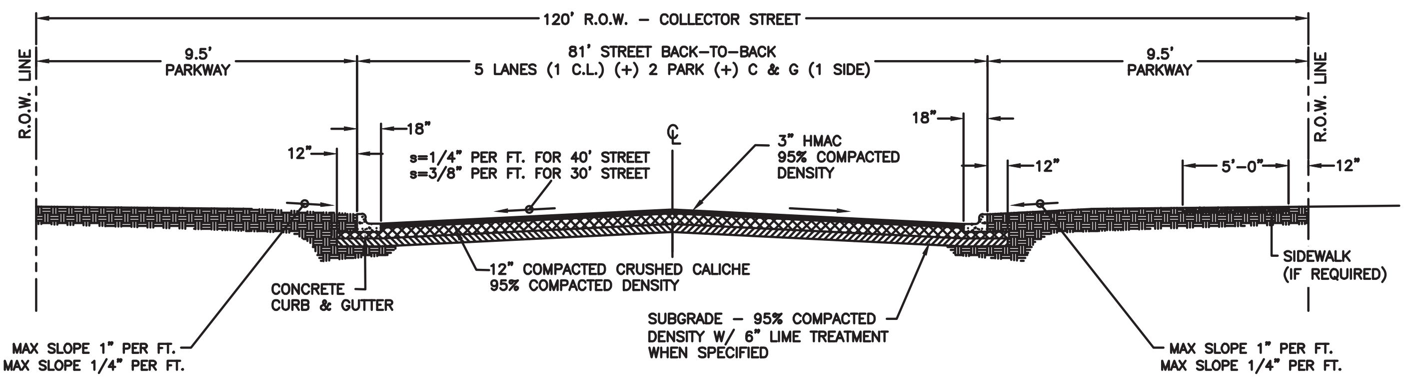


TYPICAL PAVING DETAIL FOR 57' B–B STREETS
MINOR AND MAJOR THOROUGHFARES

city of mercedes 400 South Ohio, Mercedes, Texas 78570 (956) 565 – 3114	**PAVEMENT & ROADWAY IMPROVEMENT DETAILS** **LOCAL STREET SECTION DETAILS**	HCE PROJECT NO. P241-01	
	STANDARD DESIGN MANUAL **CITY OF MERCEDES**	SHEET NO. ST - 22	01/2021



TYPICAL PAVING DETAIL FOR 65' B-B STREETS
RESIDENTIAL COLLECTOR



TYPICAL PAVING DETAIL FOR 81' B-B STREETS
MINOR AND MAJOR THOROUGHFARES

city of mercedes
400 South Ohio,
Mercedes, Texas 78570
(956) 565 – 3114

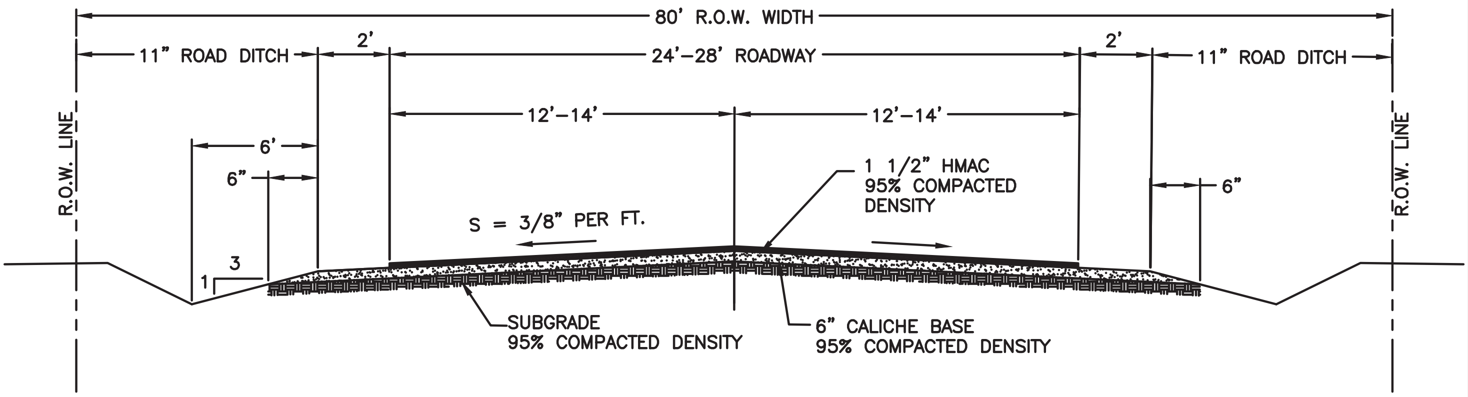
PAVEMENT & ROADWAY IMPROVEMENT DETAILS
LOCAL STREET SECTION DETAILS (CONT'D)

HCE PROJECT NO.
P241-01

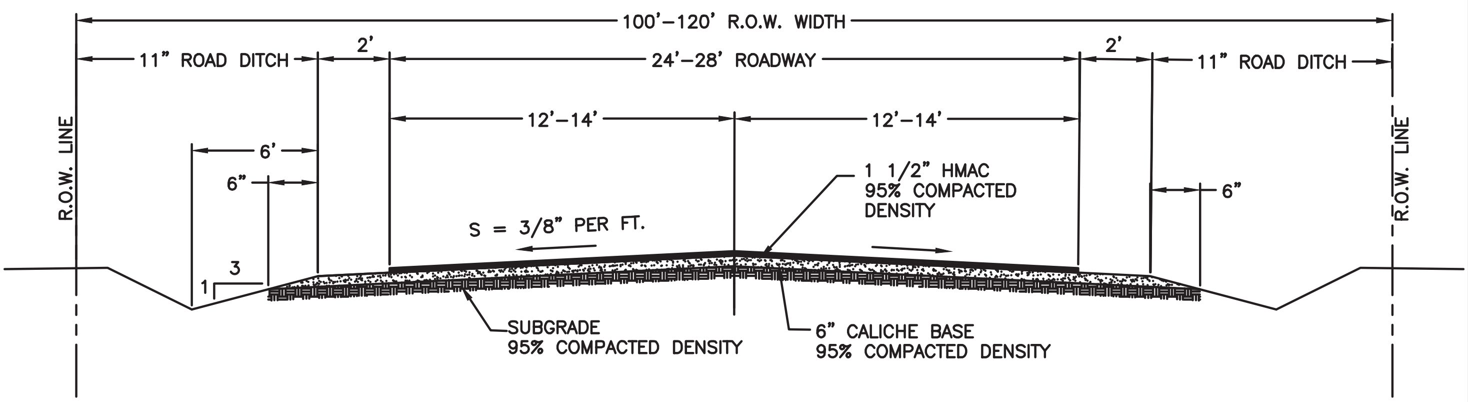
STANDARD DESIGN MANUAL
CITY OF MERCEDES

SHEET NO.
ST - 23

01/2021

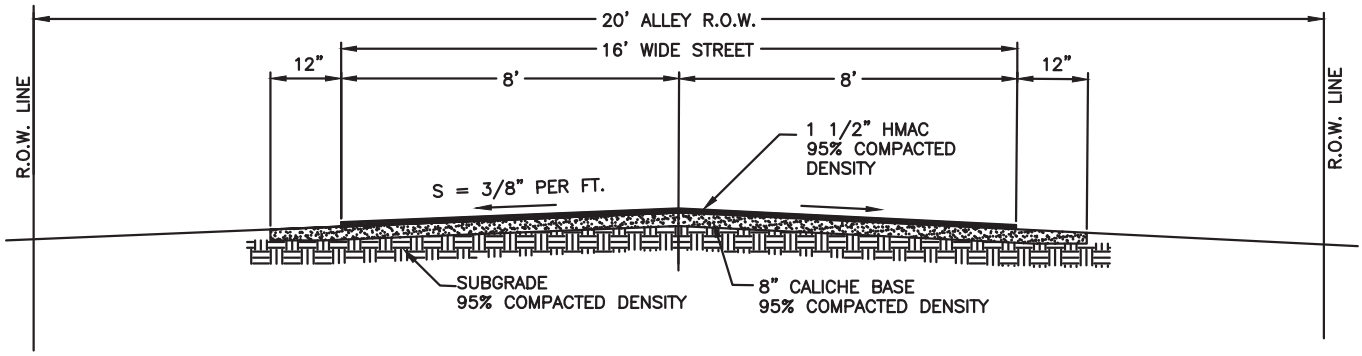


TYPICAL RURAL PAVING SECTION



TYPICAL RURAL PAVING SECTION
PRINCIPAL THOROUGHFARES

city of mercedes 400 South Ohio, Mercedes, Texas 78570 (956) 565 – 3114	**PAVEMENT & ROADWAY IMPROVEMENT DETAILS** **LOCAL STREET SECTION**	HCE PROJECT NO. P241-01	
	STANDARD DESIGN MANUAL **CITY OF MERCEDES**	SHEET NO. ST - 24	01/2021



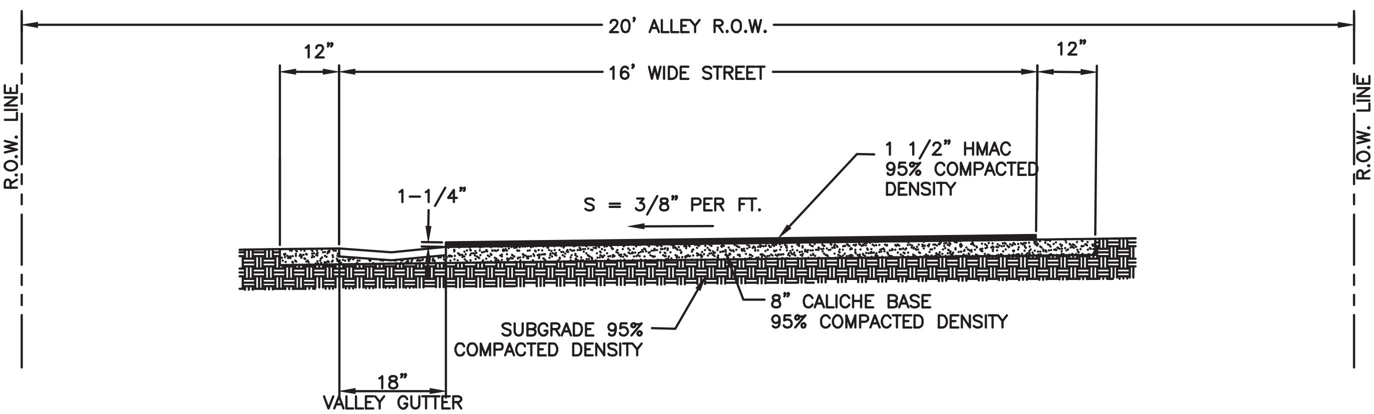
TYPICAL PAVING DETAIL
FOR 16' WIDE ALLEY IN 20' R.O.W.

NOTE:

1. ALLEY'S SHALL BE GRADED FOR DRAINAGE WITH DESIGN SHOWN ON FINAL PLANS.
2. ALL INTERSECTING ALLEYS TO HAVE A 10' RADIUS.

city of mercedes
400 South Ohio,
Mercedes, Texas 78570
(956) 565 – 3114

PAVEMENT & ROADWAY IMPROVEMENT DETAILS LOCAL STREET SECTION	HCE PROJECT NO. P241-01	
STANDARD DESIGN MANUAL CITY OF MERCEDES	SHEET NO. ST - 25	01/2021



TYPICAL PAVING DETAIL FOR 16' WIDE ALLEY IN 20' R.O.W.

*ALTERNATE/ WITH 18" VALLEY GUTTER

NOTE:

1. ALLEYS SHALL BE GRADED FOR DRAINAGE WITH DESIGN SHOWN ON FINAL PLANS.
2. ALL INTERSECTING ALLEYS TO HAVE A 10' RADIUS.

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PAVEMENT & ROADWAY IMPROVEMENT DETAILS LOCAL STREET SECTION	HCE PROJECT NO. P241-01	
STANDARD DESIGN MANUAL CITY OF MERCEDES	SHEET NO. ST - 26	01/2021