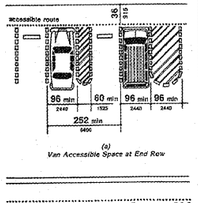
A4.5.3 Carpet. Much more needs to be done in developing both quantitative and qualitative criteria for carpeting (i.e., *problems associated with texture and weave need to be studied*). However, certain functional characteristics are well established. When both carpet and padding are used, it is desirable to have minimum movement (preferably none) between the floor and the pad and the pad and the carpet which would allow the carpet to hump or warp. In heavily trafficked areas, a thick, soft (plush) pad or cushion, particularly in combination with long carpet pile, makes it difficult for individuals in wheelchairs and those with other ambulatory disabilities to get about. Firm carpeting can be achieved through proper selection and combination of pad and carpet, sometimes with the elimination of the pad or cushion, and with proper installation. *Carpeting designed with a weave that causes a zig-zag effect when wheeled across is strongly discouraged.*

A4.6 Parking and Passenger Loading Zones.

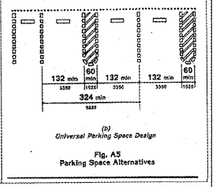
A4.6.3 Parking Spaces. *The increasing use of vans with side-mounted lifts or ramps by persons with disabilities has necessitated some revisions in specifications for parking spaces and adjacent access aisles. The typical accessible parking space is 96 in (2440 mm) wide with an adjacent 60 in (1525 mm) access aisle. However, this aisle does not permit lifts or ramps to be deployed and still leave room for a person using a wheelchair or other mobility aid to exit the lift platform or ramp. In tests conducted with actual lift/van/wheelchair combinations, (under a Board-sponsored Accessible Parking and Loading Zones Project) researchers found that a space and aisle totalling almost 204 in (5180 mm) wide was needed to deploy a lift and exit conveniently. The "van accessible" parking space required by these guidelines provides a 96 in (2440 mm) wide space with a 96 in (2440 mm) adjacent access aisle which is just wide enough to maneuver and exit from a side mounted lift. If a 96 in (2440 mm) access aisle is placed between two spaces, two "van accessible" spaces are created. Alternatively, if the wide access aisle is provided at the end of a row (an area often unused), it may be possible to provide the wide access aisle without additional space (see Fig. A5(a)).*

A sign is needed to alert van users to the presence of the wider aisle, but the space is not intended to be restricted only to vans.

"Universal" Parking Space Design. An alternative to the provision of a percentage of spaces with a wide aisle, and the associated need to include additional signage, is the use of what has been called the "universal" parking space design. Under this design, all accessible spaces are 132 in (3350 mm) wide with a 60 in (1525 mm) access aisle (see Fig. A5(b)). One advantage to this design is that

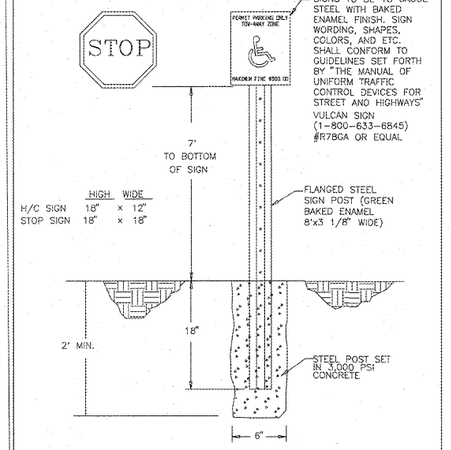


(a)
Van Accessible Space at End Row

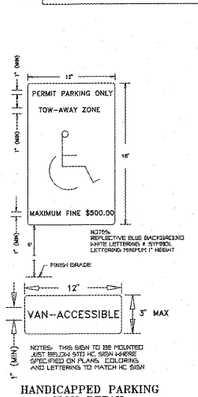


(b)
Universal Parking Space Design

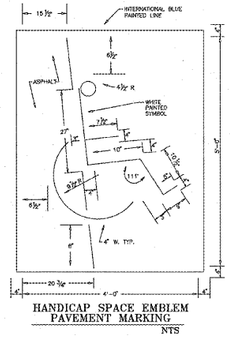
Fig. A5
Parking Space Alternatives



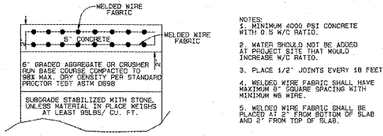
TYPICAL SIGNAGE DETAIL
N. T. S.



HANDICAPPED PARKING SIGN DETAIL
NTS

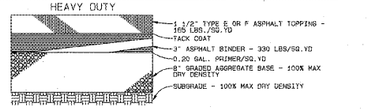


HANDICAP SPACE EMBLEM PAVEMENT MARKING
NTS

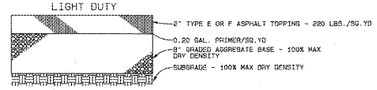


NOTES:
1. MINIMUM 4000 PSI CONCRETE WITH 0.5 W/C RATIO.
2. WATER SHOULD NOT BE ADDED AT PROJECT SITE THAT WOULD INCREASE W/C RATIO.
3. PLACE 1/2" JOINTS EVERY 18 FEET
4. WELDED WIRE FABRIC SHALL HAVE MAXIMUM 6" SQUARE SPACING WITH MINIMUM W6 WIRE.
5. WELDED WIRE FABRIC SHALL BE PLACED AT 2" FROM BOTTOM OF SLAB AND 2" FROM TOP OF SLAB.

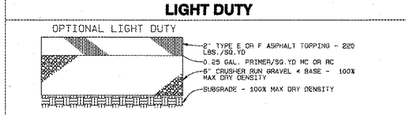
CONCRETE



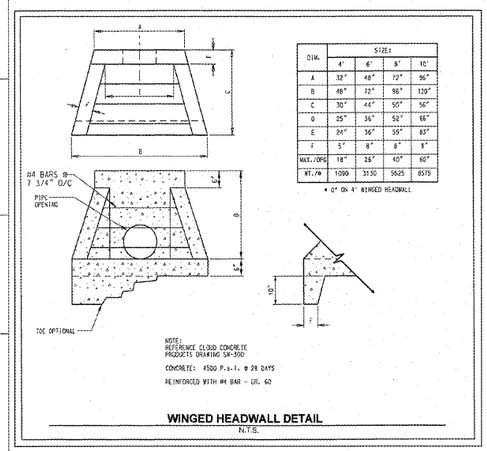
HEAVY DUTY



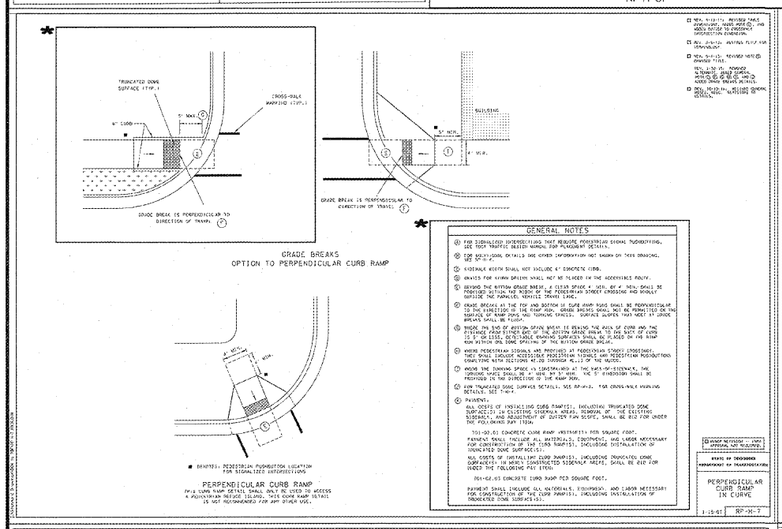
LIGHT DUTY

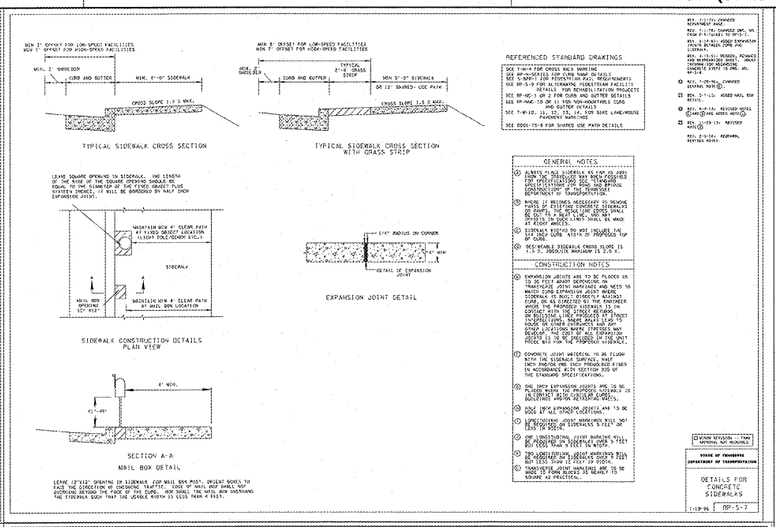


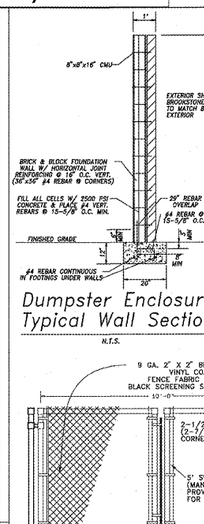
LIGHT DUTY (OPTIONAL)

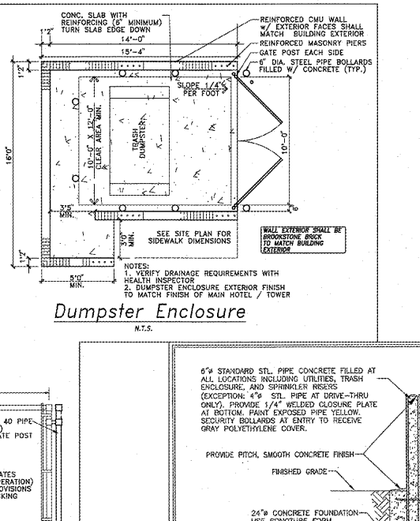


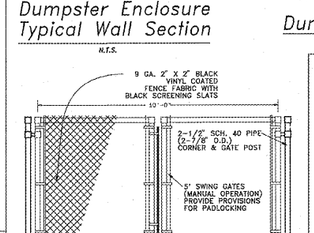
WINGED HEADWALL DETAIL
N.T.S.

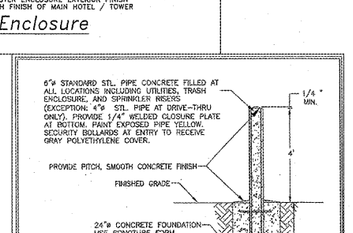


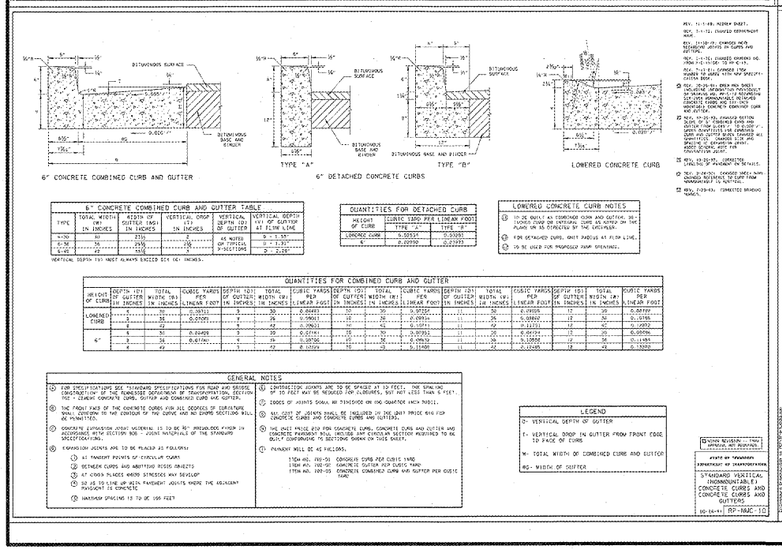


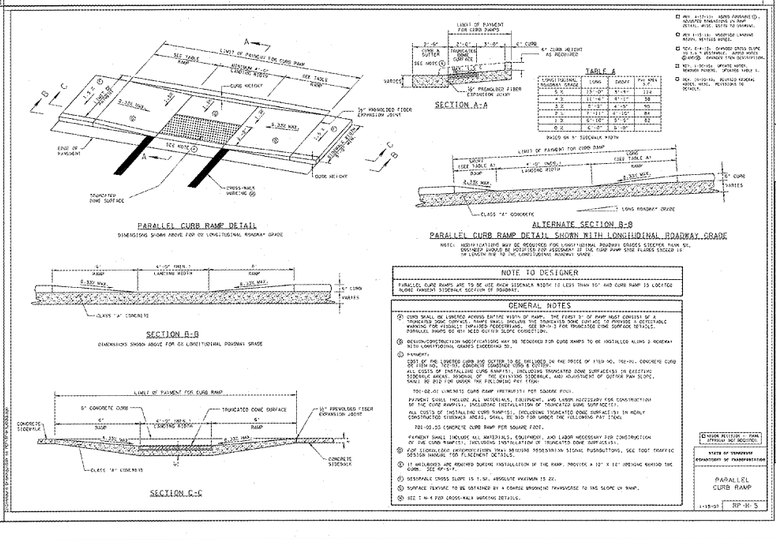


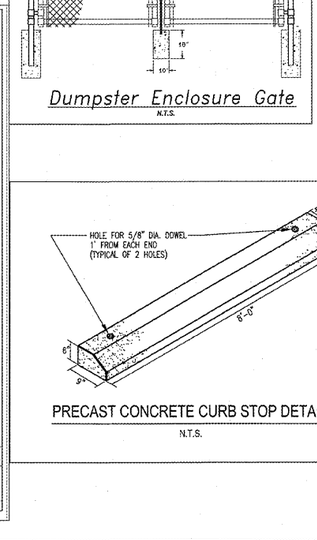












Developer:
SHULER DEVELOPMENT, LLC.
6400 POWERS FERRY RD
SUITE 350 GA. 30339
ATLANTA, GA. 30339
770-303-8200

Construction Details
Prepared For:

DUNKIN' DONUTS

DATE:	RELEASE DESCRIPTION
06-19-17	REVISED PER STAFF COMMENTS (06-19-17)
07-02-17	REVISED PER WORK SESSION COMMENTS (06-26-17)
07-07-17	REVISED PER CITY COMMENT
07-11-17	REVISED PER PLANNING COMMISSION COMMENTS

DATE: JUNE 11, 2017
THIRD CIVIL DISTRICT
A: Map 027, 30.06
B: Map 027, 01.02
CITY: SPRING HILL
COUNTY: MAURY
STATE: TENNESSEE
JOB NUMBER: 2016.095

13
13 OF 14 SHEETS

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24-HR CONTACT
ALLEN CURTIS
770-303-8200

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

Plotted: 11 Jul 2017 at 5:18PM Project: P:\Projects\2016\2016.095 - Shuler - Spring Hill\2016.095 - Civil.pro