

**Table II**  
Buffer Space and Taper Length

Speed (mph)	Buffer Space (ft.)	Taper Length (ft.)	Notes
25	125	125	L = 1.5S
30	150	150	
40	200	200	L = 1.5S
50	250	250	
55	300	300	L = 1.5S
60	350	350	
65	400	400	L = 1.5S
70	450	450	

**Table I**  
Device Spacing

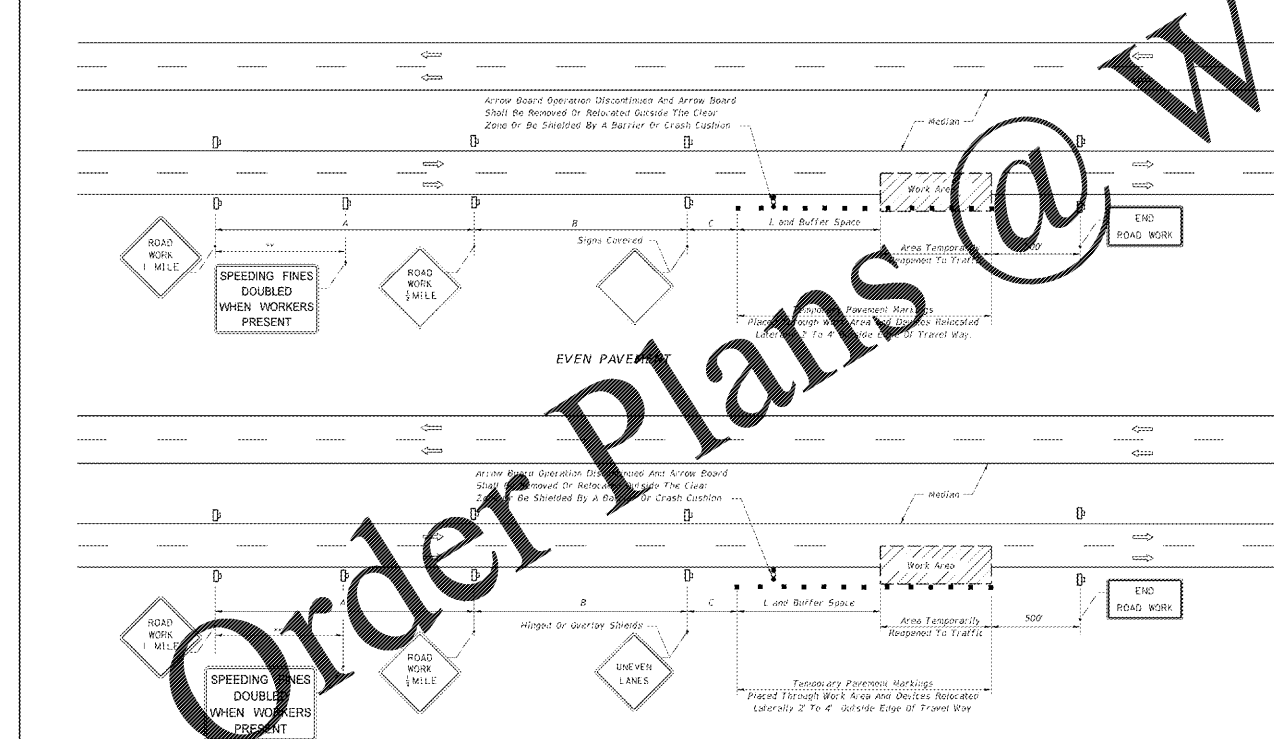
Speed (mph)	Max. Distance Between Devices (ft.)	Notes
25	25	Type I or Type II
30	30	
40	40	Type I or Type II
50	50	
55	55	Type I or Type II
60	60	
65	65	Type I or Type II
70	70	

**DISTANCE BETWEEN SIGNS**

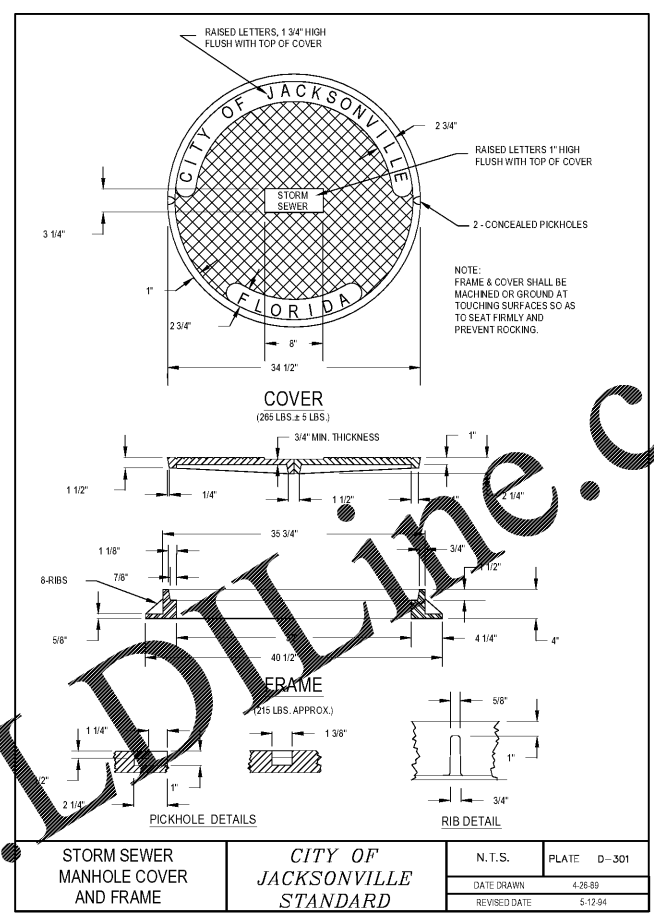
Speed	Spacing (ft.)
20 mph or less	200
25 mph	250
30 mph	300
35 mph	350
40 mph	400
45 mph or greater	450

- GENERAL NOTES**
- Work operations shall be confined to one traffic lane, leaving the adjacent lane open to traffic.
  - On undivided highways the median signs as shown are to be omitted.
  - When work is performed in the median lane on divided highways, the channelizing device plan is inverted and left lane closed and lane ends signs substituted for the right lane closed and signs.
- DURATION NOTES**
- Temporary white edgeline may be omitted for work operations less than 3 consecutive calendar days.
  - For work operations up to approximately 15 minutes, signs, channelizing devices, arrow boards, and buffer space may be omitted if all of the following conditions are met:
    - Speed limit is 45 mph or less.
    - No right-of-way obstructions to vehicles approaching the work area for a distance equal to the buffer space and the taper length combined.
    - Volume and complexity of the roadway has been considered.
    - The closed lane is occupied by a class 3 or larger, medium-duty trucks with a minimum gross weight vehicle rating (GVWR) of 16,000 lb with high-visibility, rotating, flashing, oscillating, or strobe lights mounted above the cab and operating.
  - For work operations up to 60 minutes, arrow board and buffer space may be omitted if conditions a, b, and c in DURATION NOTE 2 are met, and vehicles in the work area have high-visibility, rotating, flashing, oscillating, or strobe lights operating.

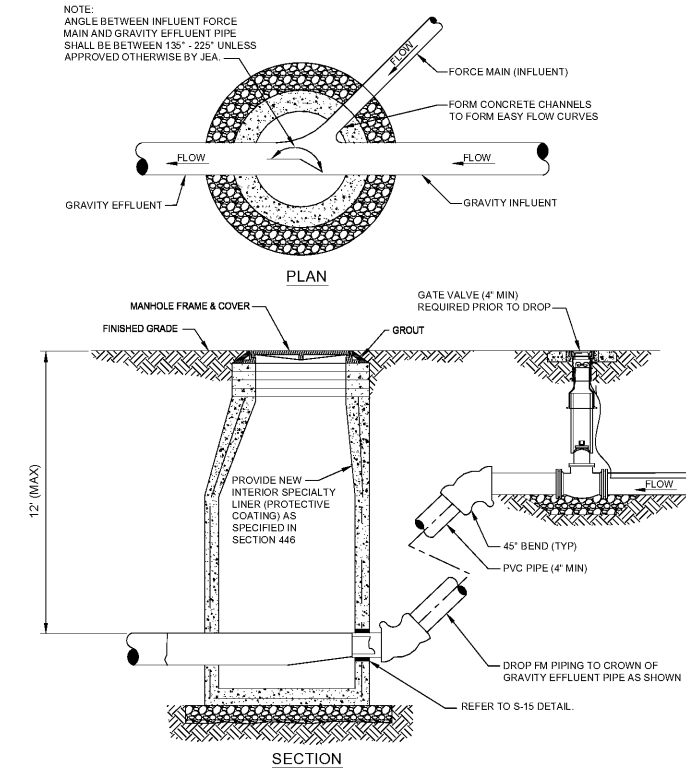
LAST REVISION: 01/01/16	DESCRIPTION: FY 2017-18 DESIGN STANDARDS	MULTILANE, WORK WITHIN TRAVEL WAY MEDIAN OR OUTSIDE LANE	INDEX NO. 612	SHEET NO. 1 of 1
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LAST REVISION: 07/01/15	DESCRIPTION: FY 2017-18 DESIGN STANDARDS	MULTILANE, WORK WITHIN TRAVEL WAY MEDIAN OR OUTSIDE LANE	INDEX NO. 613	SHEET NO. 2 of 2
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STORM SEWER MANHOLE COVER AND FRAME	CITY OF JACKSONVILLE STANDARD	N. T. S.	PLATE D-301
		DATE DRAWN: 4-28-89	REVISED DATE: 5-12-94



TYPICAL FORCE MAIN CONNECTION TO MANHOLE  
JANUARY 2017  
PLATE S-18

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REV	DATE	COMMENT	BY
01/08/18		PER CITY & JEA COMMENTS	JRT
03/06/18		PER CITY & FDOT COMMENTS	JRT
04/16/18		PER FDOT COMMENTS	JRT
01/28/20		FORCE MAIN & IRRIGATION REVISION	ASZ
02/11/20		EOD COMMENTS	ASZ
09/25/20		PER WAWA	KM

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SCALE: AS NOTED  
CAD I.D.: ODD

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SHEET TITLE: CONSTRUCTION DETAILS

SHEET NUMBER: D-4