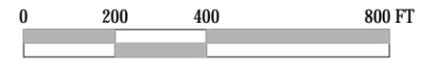


PLAN NOTES:

1. NEW VALVE LOCATION SHOWN ARE APPROXIMATE. FOLLOWING FIELD LOCATIONS OF EXISTING VALVES, VISIT EACH NEW VALVE LOCATION WITH THE OWNER TO CONFIRM THE ACTUAL LOCATION OF THE NEW VALVE TO BE INSTALLED.
2. COORDINATE WITH OWNER ANY WATER OUTAGES PRIOR TO INSTALLING HYDRANTS AND HYDRANT VALVES.
3. FIELD VERIFY PIPE LOCATION SIZE AND MATERIAL TYPE PRIOR TO VALVE INSTALLATION.
4. RESTRAIN ALL NEW PIPES, VALVES, AND FITTING JOINTS.

VALVE/HYDRANT INDEX			
NO.	MAIN SIZE	TYPE	NOTE
BASE BID			
1	6 INCH	H-3 HYDRANT	REPLACE EXISTING H-3 HYDRANT
2	4 INCH	H-2 HYDRANT	REPLACE EXISTING H-2 HYDRANT
3	4 INCH	H-2 HYDRANT	REPLACE EXISTING H-2 HYDRANT
4	4 INCH	H-1 HYDRANT	REPLACE EXISTING H-1 HYDRANT
5	4 INCH	H-2 HYDRANT	REPLACE EXISTING H-2 HYDRANT
6	6 INCH	SYSTEM VALVE	NEW VALVE
7	6 INCH	SYSTEM VALVE	NEW VALVE
8	6 INCH	SYSTEM VALVE	REPLACE EXISTING VALVE
9	4 INCH	SYSTEM VALVE	REPLACE EXISTING VALVE
10	4 INCH	SYSTEM VALVE	NEW VALVE
11	6 INCH	SYSTEM VALVE	NEW VALVE
ADD ALT. NO. 1			
12	4 INCH	SYSTEM VALVE	REPLACE EXISTING VALVE
13	4 INCH	SYSTEM VALVE	REPLACE EXISTING VALVE
14	4 INCH	SYSTEM VALVE	REPLACE EXISTING VALVE
15	4 INCH	SYSTEM VALVE	REPLACE EXISTING VALVE
16	6 INCH	SYSTEM VALVE	NEW VALVE



LEGEND

- EXISTING WATER MAIN
- EXISTING WATER VALVE
- EXISTING WATER VALVE - BURIED/ PAVED OVER OR COULD NOT BE LOCATED
- EXISTING FIRE HYDRANT
- NEW SYSTEM VALVE
- REMOVE AND REPLACE EXISTING HYDRANT

"For Viewing Purposes Only - Visit wesslerengineering.com to Purchase"

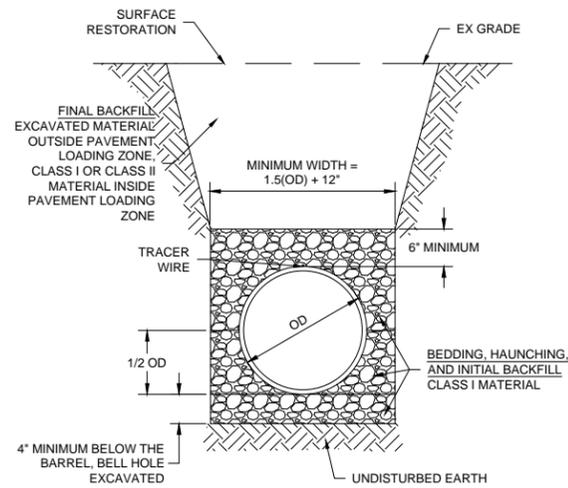


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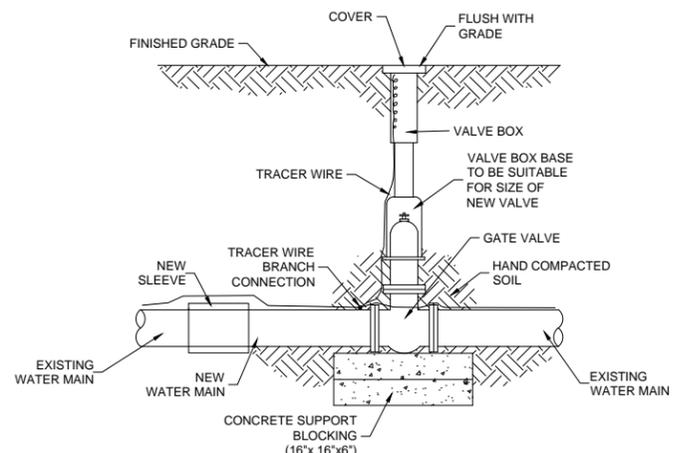
LOCATION PLAN
SCALE: 1" = 400'

SCALE VERIFICATION BAR IS ONE INCH LONG ON ORIGINAL DRAWING 	DRAWN BY LHR	NO. 	DATE 	INITIALS 	REVISION DESCRIPTIONS 	 W WESSLER ENGINEERING <i>More than a Project™</i>	DISTRIBUTION SYSTEM IMPROVEMENTS		SHEET NO.
	CHECKED BY DLL						TOWN OF MARSHALL, INDIANA		01
	APPROVED BY DLL						LOCATION PLAN		TOTAL SHEETS
	ISSUE DATE AUGUST 2018 PROJECT NUMBER 181815-04-002								02

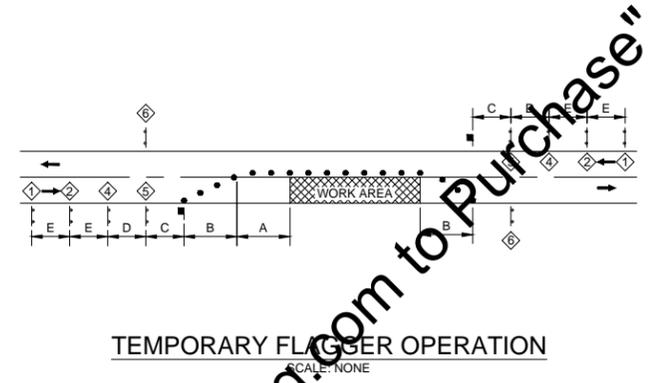
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PLASTIC PIPE TRENCH (PRESSURE)
SCALE: NONE



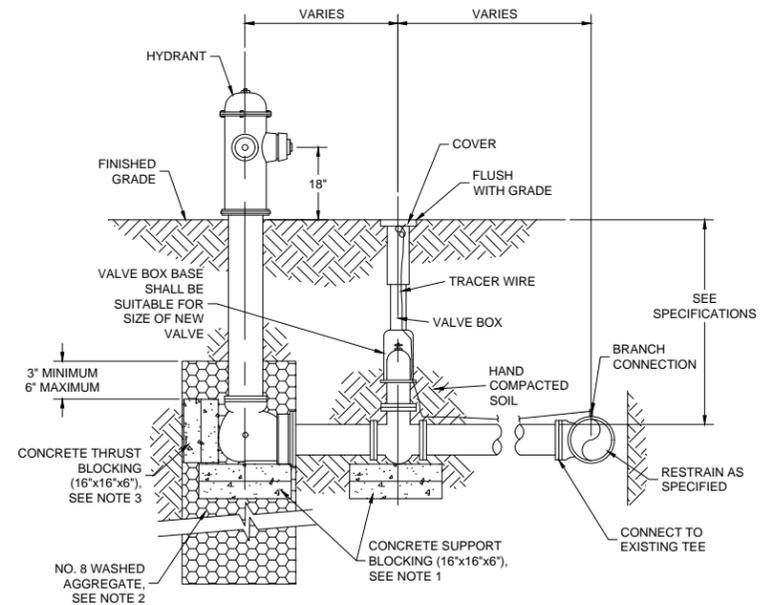
GATE VALVE
SCALE: NONE



TEMPORARY FLAGGER OPERATION
SCALE: NONE

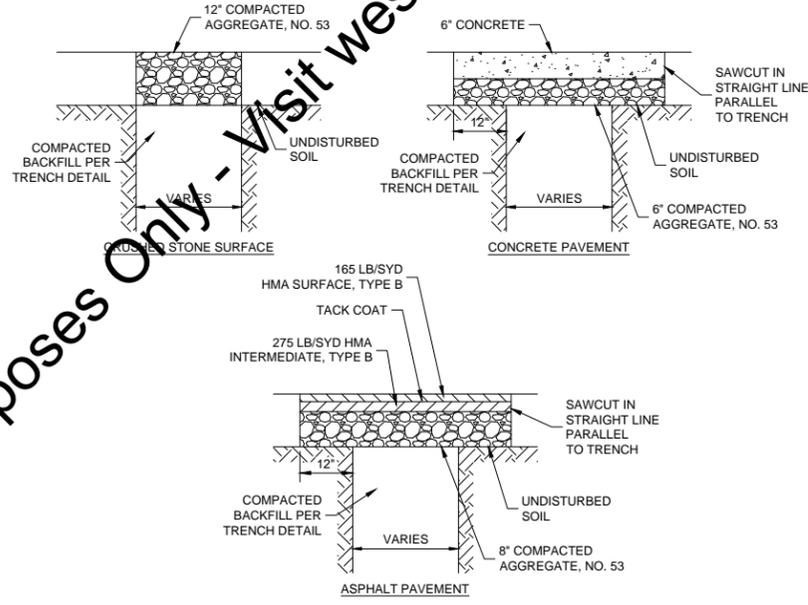
SPEED (MPH)	DISTANCE (FEET)				
	A	B	C	D	E
20 OR LESS	120	100	100	100	100
25	160	100	100	100	100
30	200	100	100	100	100
35	280	100	350	350	350
40	320	100	350	350	350
45	360	100	500	500	500
50	440	100	500	500	500
55	520	100	500	500	500
60	600	100	1,000	1,600	2,640
65	680	100	1,000	1,600	2,640
70	760	100	1,000	1,600	2,640

NOTES:
 1. DISTANCES SHOWN ARE APPROXIMATE. ADJUST SIGN FOR CURVES, HILLS, INTERSECTIONS, DRIVEWAYS, ETC TO IMPROVE SIGN VISIBILITY.
 2. THE SPACING OF CHANNELIZING DEVICES SHOULD BE A DISTANCE IN FEET EQUAL TO THE SPEED LIMIT IN MPH WHEN USED FOR TAPER CHANNELIZATION, AND A DISTANCE IN FEET EQUAL TO 2.0 TIMES THE SPEED LIMIT IN MPH USED FOR TANGENT CHANNELIZATION.



HYDRANT ASSEMBLY
SCALE: NONE

NOTES:
 1. SET HYDRANT AND VALVE ON CONCRETE SUPPORT BLOCKING.
 2. PLACE 2x3\"/>



PAVEMENT REPAIR
SCALE: NONE

ADVANCE WARNING SIGN AND FLAGGER OPERATION SPACING
SCALE: NONE

- WORK AREA(S)
- TYPE A CONSTRUCTION WARNING LIGHT
- WORKSITE ADDED PENALTY (G20-7) ONLY FOR INDOT ROADS
- "ROAD WORK AHEAD" (W20-1) OR "UTILITY WORK AHEAD" (W21-7)
- "ROAD WORK - XXX FT" (W20-1)
- "ONE LANE ROAD AHEAD" (W20-4)
- FLAGGER SIGN (W20-7)
- "END ROAD WORK" (G20-2)
- BARRICADE TYPE IIIB
- TRAFFIC CONTROL DRUM
- TRAFFIC FLOW DIRECTION
- FLAGGER
- SIGN, FACING LEFT
- SIGN, FACING RIGHT

TRAFFIC CONTROL LEGEND
SCALE: NONE



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Drawing: J:\Marshall\Projects\181815\Marshall\DWG\181815-GA.dwg | Layout: MISC | Plotted: 07/13/2018 @ 10:30:07 | User: J.L.Lambermont

SCALE VERIFICATION	DRAWN BY	LHR	NO.	DATE	INITIALS	REVISION DESCRIPTIONS
BAR IS ONE INCH LONG ON ORIGINAL DRAWING 	CHECKED BY	DLL				
	APPROVED BY	DLL				
	ISSUE DATE					
	AUGUST 2018					
	PROJECT NUMBER					
						181815-04-002



DISTRIBUTION SYSTEM IMPROVEMENTS

TOWN OF MARSHALL, INDIANA

MISCELLANEOUS DETAILS

SHEET NO.
02
TOTAL SHEETS
02