

- NOTES:
1. BEARING AREA TO BE SYMMETRICAL ABOUT 1/2 OF PIPE
 2. POUR THRUST BLOCKS AGAINST UNDISTURBED SOIL
 3. PREVENT MASS CONCRETE FROM TOUCHING M.J.'S
 4. PROVIDE THRUST BLOCKS AT ALL BURIED ENDS, TEES, PLUGS, AND VALVES OF WATER MAINS AND FORCE MAINS

THRUST BLOCK DIMENSIONS										
D	A	B	C	E	F	G	H	I	J	
4"	4 3/4"	1'-3"	8"	11"	11"	3'-0"	2'-6"	2'-6"	6 1/2"	
6"	5 1/4"	1'-3"	8"	1'-0"	1'-1"	3'-0"	2'-6"	2'-6"	8"	
8"	9"	1'-8"	8"	1'-1"	1'-2"	4'-0"	3'-0"	2'-9"	9"	
10"	11"	2'-1"	10"	1'-2"	1'-3"	4'-6"	4'-0"	3'-0"	11"	
12"	1'-0"	2'-6"	1'-0"	1'-3"	1'-6"	4'-9"	4'-6"	3'-6"	1'-0"	
24"	1'-3"		2'-0"	1'-10"	1'-10"				1'-10"	

THRUST BLOCK DETAILS

NOT TO SCALE

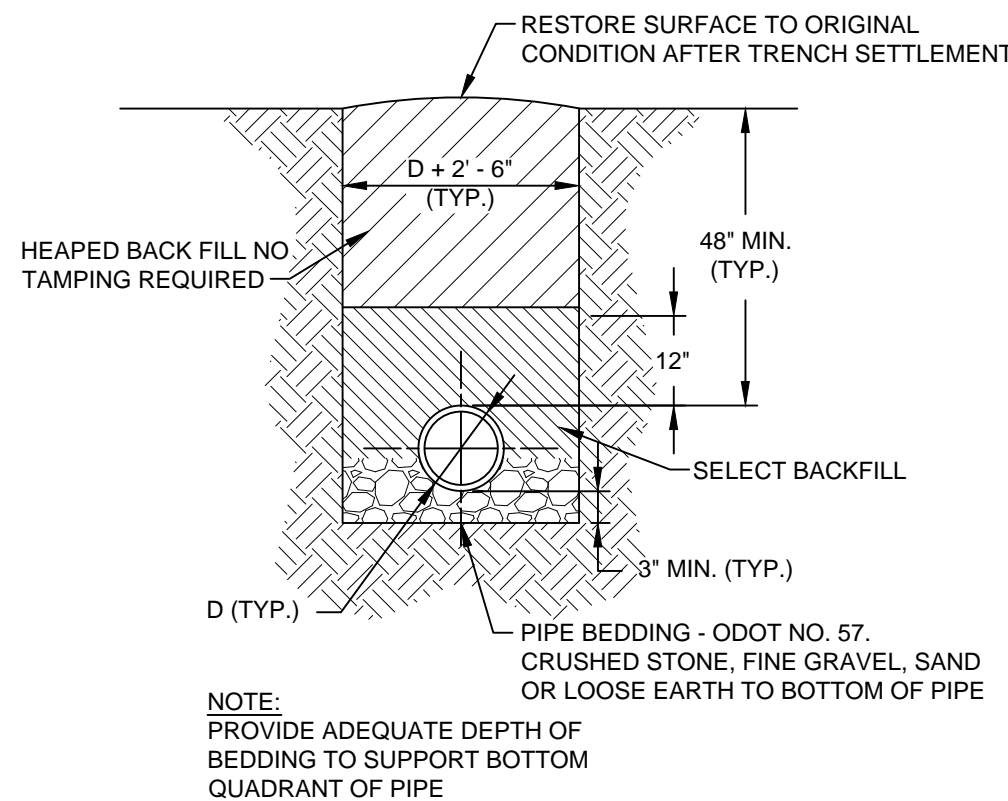
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ENGINEER/ARCHITECT: **CRAIG FARRELL**

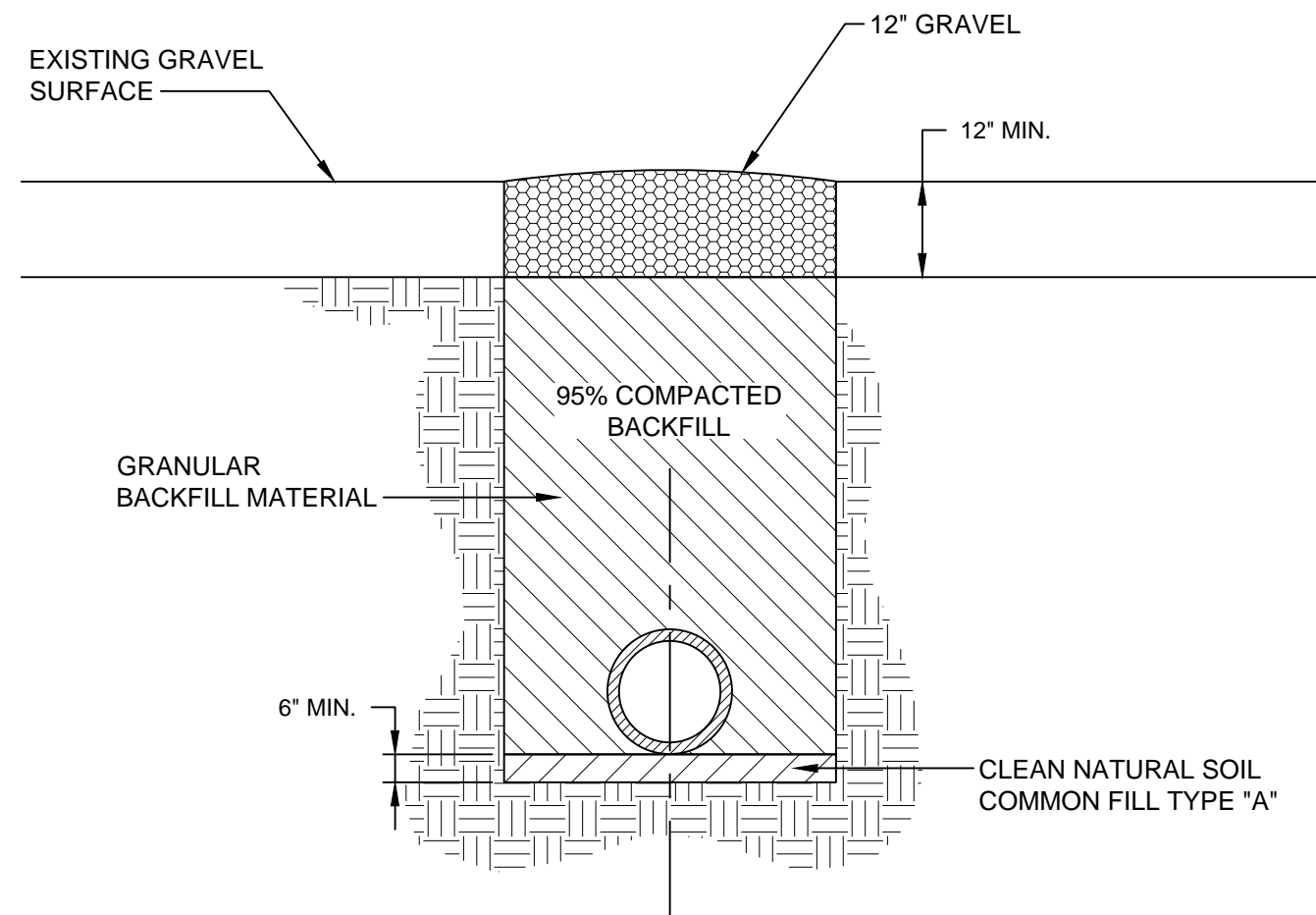
CONSTRUCTION COMPANY: **ENGINEERED FLUID, INC.**

DATE: **9/2014**



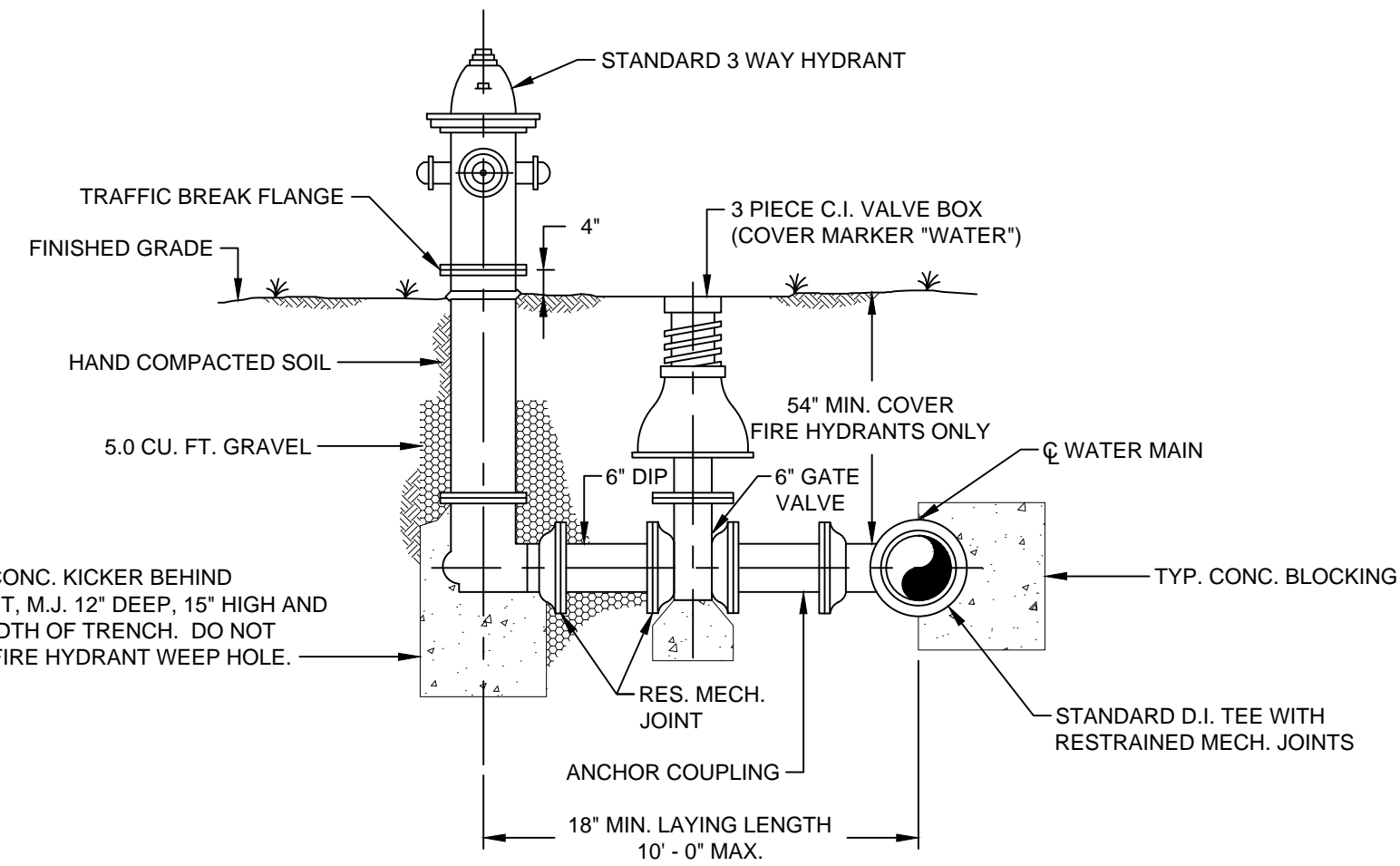
METHOD A - OPEN TERRAIN

NOT TO SCALE



METHOD B - GRAVEL DRIVEWAY REPAIR

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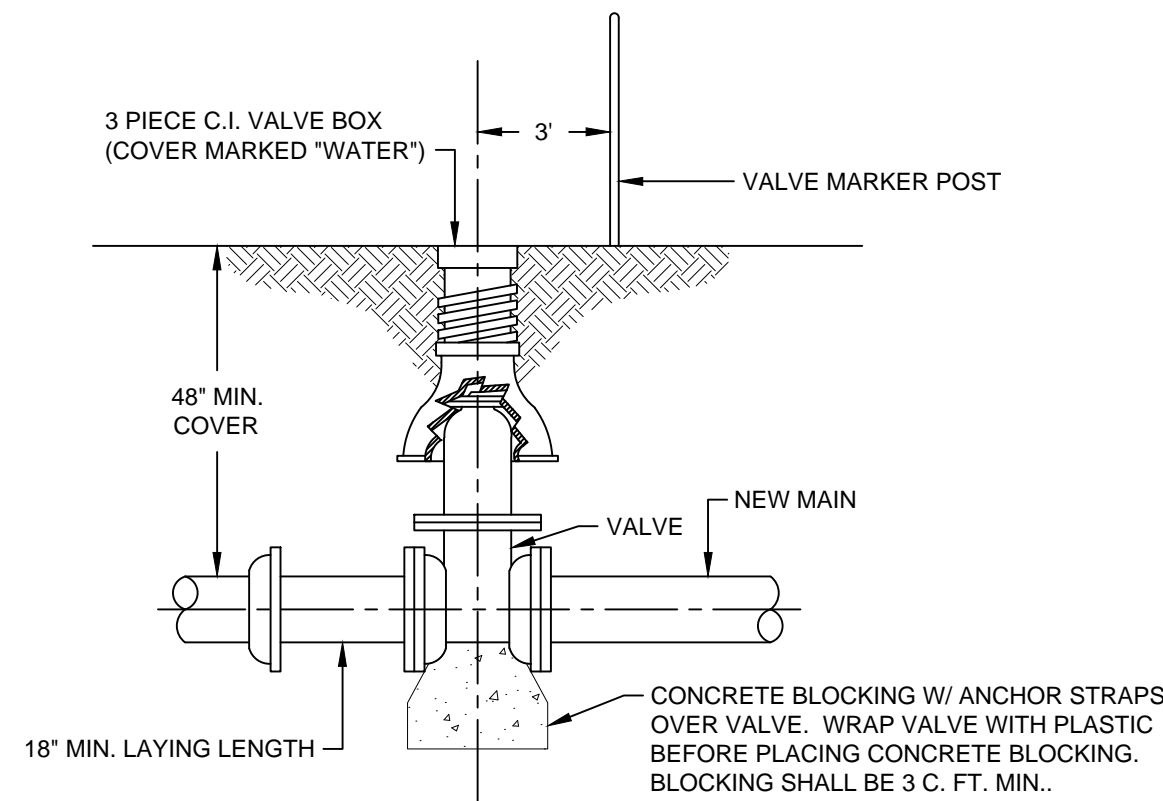


NOTE:

CONTRACTOR SHALL COORDINATE LOCATION OF ALL HYDRANTS AND VALVES WITH OWNER PRIOR TO CONSTRUCTION.

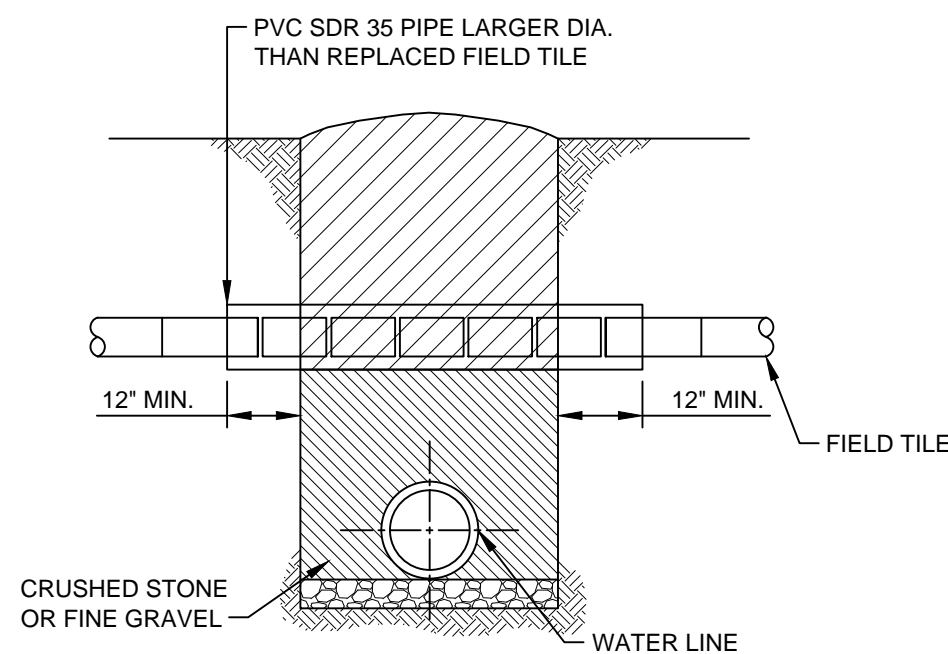
TYPICAL FIRE HYDRANT SETTING DETAIL

NOT TO SCALE



TYPICAL WATER VALVE SETTING DETAIL

NOT TO SCALE



FIELD DRAIN REPLACEMENT - DETAIL

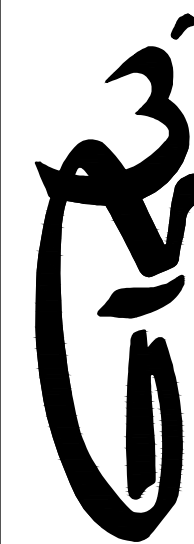
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This document, originally issued, sealed, and signed by Daniel R. Cutshaw, Indiana Professional Engineer, No. 11200431, on April 19, 2013, shall not be used in lieu of a certified document.

GRW PROJECT NO. 3916-08

CLIENT CONTRACT NO H-1

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STANDARD DETAILS

CONTRACT H-1 - U.S. 421 P.S. & TELEMETRY

DIVISION H - WATERWORKS SYSTEM IMPROVEMENTS

HOOSIER HILLS REGIONAL WATER DISTRICT

RIPLEY COUNTY, INDIANA

DESIGNED	BY	DATE	DESCRIPTION	DRAWN	REVIEWED	APPROVED	DRC
ALW	JEC	9/2014	1. AS-BUILT REVISION				
JEC							
CJF							
DRC							

DATE:

APRIL 2013

SCALE:

N.T.S.

SHEET NO.

WD-1