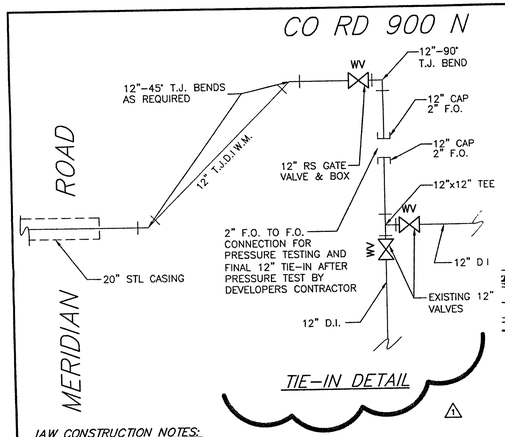
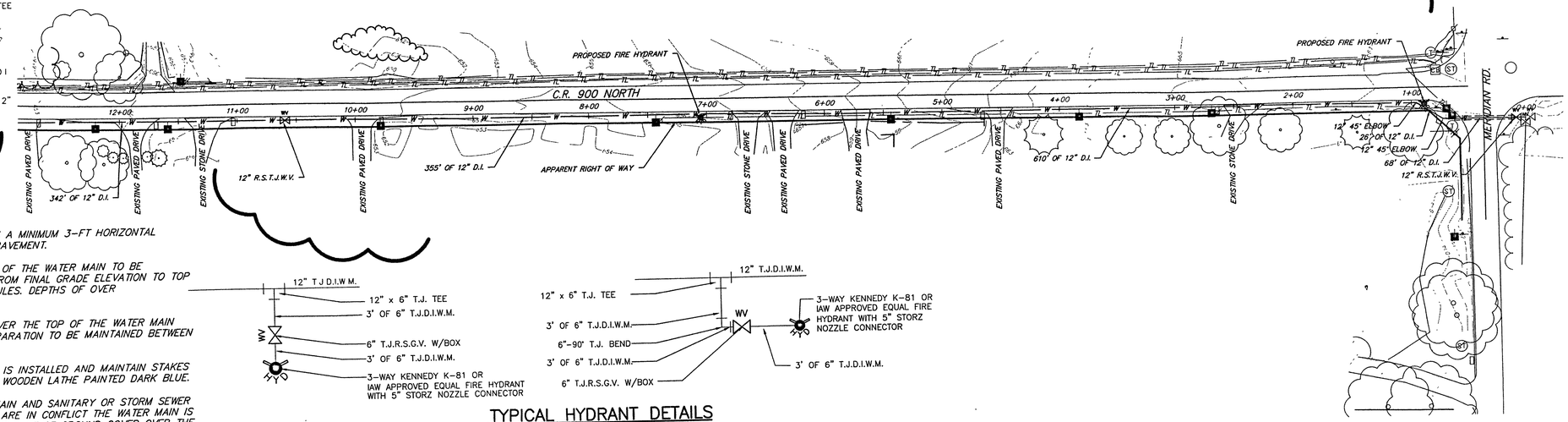


TIE-IN DETAIL



IAW CONSTRUCTION NOTES:

1) WATER MAIN TO BE INSTALLED ALONG THE EDGE OF THE ROAD WITH A MINIMUM 3-FT HORIZONTAL SEPARATION TO BE MAINTAINED BETWEEN WATER MAIN AND THE EDGE PAVEMENT.

2) FINAL GRADE STAKES MUST BE ESTABLISHED ON THE CENTER-LINE OF THE WATER MAIN TO BE INSTALLED. DEPTH OF WATER MAIN MUST BE MAINTAINED AT 5 FEET FROM FINAL GRADE ELEVATION TO TOP OF PIPE. DEPTHS OF LESS THAN 5 FEET ARE NOT ALLOWED BY IDEM RULES. DEPTHS OF OVER 5-FEET-SIX-INCHES MUST HAVE THE APPROVAL OF IAW.

3) NO OTHER UTILITY (GAS, ELECTRIC, PHONE, ETC.) TO BE PLACED OVER THE TOP OF THE WATER MAIN WHEN THEY PARALLEL EACH OTHER. A MINIMUM 3-FT HORIZONTAL SEPARATION TO BE MAINTAINED BETWEEN WATER MAIN AND OTHER UTILITIES.

4) THE DEVELOPERS CONTRACTOR WILL STAKE THE WATER MAIN AS IT IS INSTALLED AND MAINTAIN STAKES UNTIL IAW TAKES OWNERSHIP OF THE WATER MAIN. STAKES SHALL BE WOODEN LATHE PAINTED DARK BLUE.

5) MINIMUM 10-FT SEPARATION TO BE MAINTAINED BETWEEN WATER MAIN AND SANITARY OR STORM SEWER WHEN PARALLELING EACH OTHER. WHEN THE SEWER AND WATER MAIN ARE IN CONFLICT THE WATER MAIN IS TO GO OVER THE TOP OF THE SEWER PROVIDED THERE IS A MINIMUM OF 5-FT OF GROUND COVER OVER THE TOP OF THE WATER MAIN AND A MINIMUM 18-INCH SEPARATION MAINTAINED BETWEEN THE SEWER AND WATER MAIN. A MINIMUM OF 8-FT SEPARATION TO BE MAINTAINED BETWEEN WATER MAIN, HYDRANTS, AND ANY SEWER MANHOLE OR CATCH BASIN STRUCTURE.

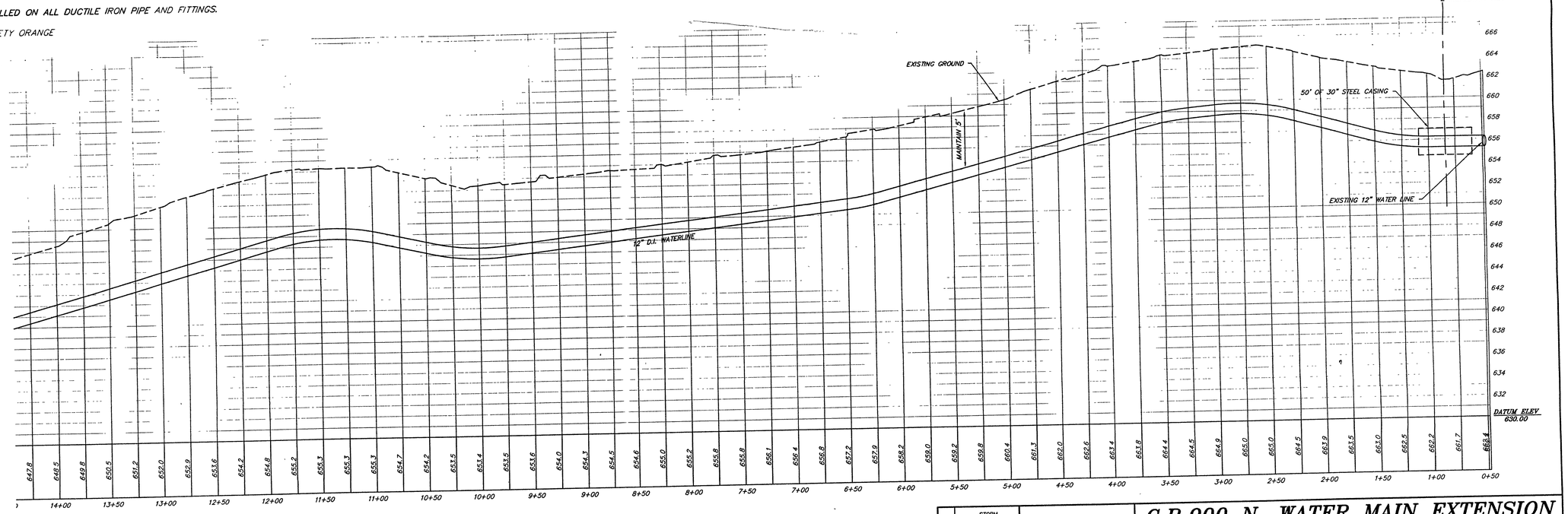
6) POLYWRAP WITH PLASTIC TIES MUST BE INSTALLED ON ALL DUCTILE IRON PIPE AND FITTINGS.

7) HYDRANT(S) TO BE PAINTED OMAHA OR SAFETY ORANGE
PAINT SPEC:
DEVGAURD 4308
ALKYD INDUSTRIAL GLOSS ENAMEL
SAFETY ORANGE, 4308-9200

TYPICAL HYDRANT DETAILS

LEGEND

- EXISTING TELEPHONE LINE
- EXISTING FENCE
- EXISTING CONTOURS
- PROPOSED WATER MAIN
- PROPOSED WATER VALVE
- EXISTING WATER VALVE
- EXISTING TELEPHONE MANHOLE
- EXISTING CATCH BASIN
- EXISTING STORM MANHOLE
- PROPOSED FIRE HYDRANT
- EXISTING FIRE HYDRANT
- EXISTING GUY WIRE
- EXISTING TELEPHONE PEDESTAL
- EXISTING UTILITY POLES
- STREET/WARNING SIGN
- MAILBOX
- EXISTING TREES



THIS DRAWING IS NOT INTENDED TO BE REPRESENTED AS A RETRACEMENT OR ORIGINAL BOUNDARY SURVEY, A ROUTE SURVEY, OR A SURVEYOR LOCATION REPORT.

REVISION	DESCRIPTION	DATE
1	REVISIONS TO DRAWINGS PER I.A.W.C. COMMENTS DATED 09/24/2009.	10/09/2009

	STORM
	SANITARY
✓	WATER
	ROAD

CHARLES L. RAY JR. 19837 PROFESSIONAL ENGINEER INDIANA SEAL 10/9/09

C.R.900 N. WATER MAIN EXTENSION
WATER MAIN PLAN & PROFILE

REVISIONS	BY
10/09/09	NGR

DUNELAND GROUP
ENGINEERING & SURVEYING
1498 POPE COURT
CHESTERTON, INDIANA 46304
219-926-1007 fax 219-926-1544
E-MAIL dgi@dunelandgroup.com

DATE	7/6/09
SCALE	1" = 50'
DRAWN	JWD
PROJECT	1778.
SHEET	1