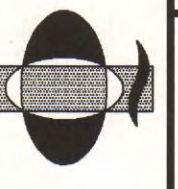


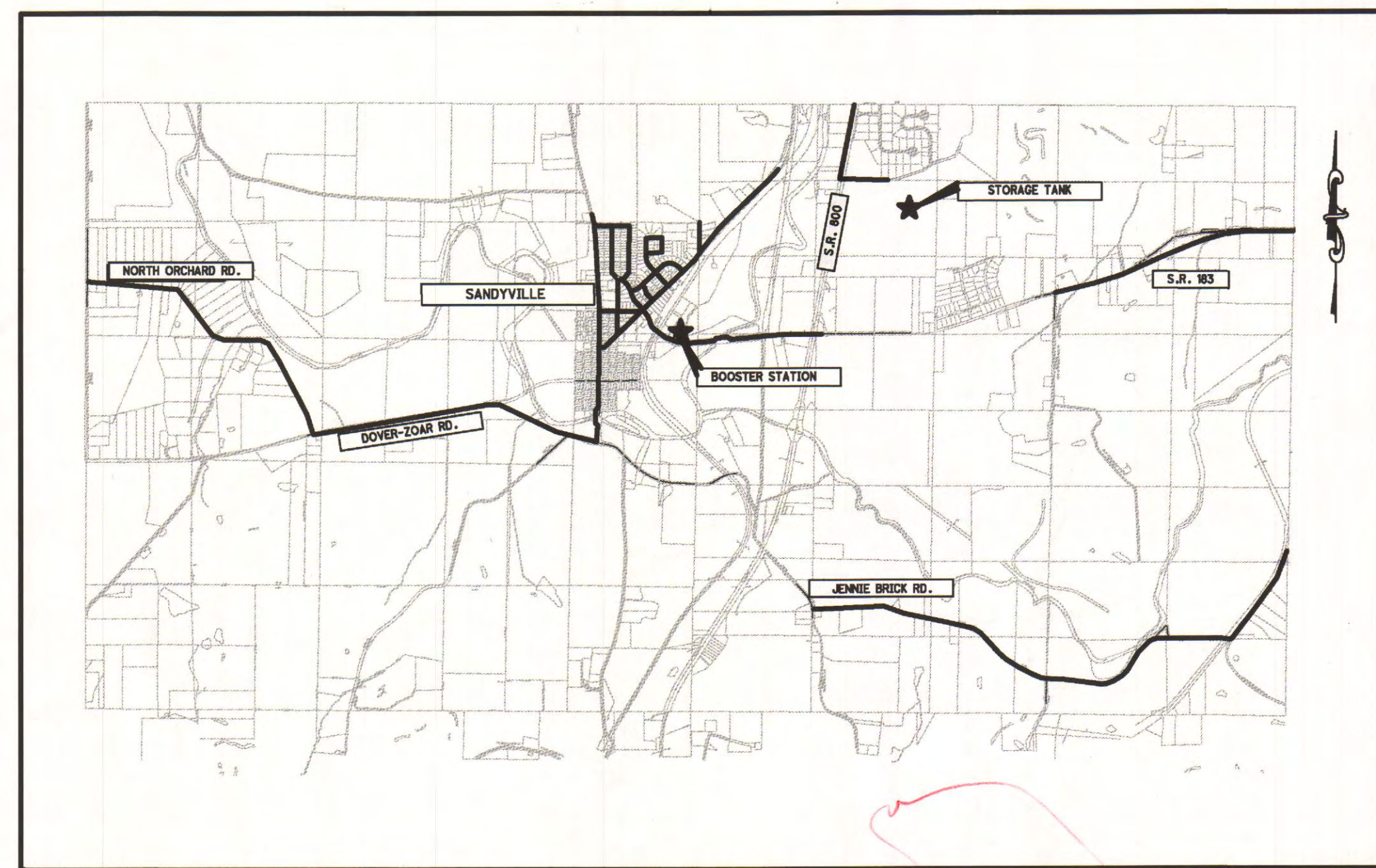
TUSCARAWAS COUNTY METROPOLITAN SEWER DISTRICT SANDYVILLE WATER TRANSMISSION LINE AND DISTRIBUTION SYSTEM 2011


W.E. QUICKSALL AND ASSOCIATES, INC.
 CIVIL ENGINEERS
 New Philadelphia, Ohio

Drawn TJS	Checked MBJ	Date 1/2010	Scale NONE	Reviewed JMW
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LOCATION MAP
NO SCALE

COUNTY OFFICIALS

TUSCARAWAS COUNTY COMMISSIONERS

KERRY METZGER, PRESIDENT
CHRIS ABBUHL
JIM SELDENRIGHT

TUSCARAWAS COUNTY AUDITOR

MATT JUDY

TUSCARAWAS COUNTY METROPOLITAN SEWER DISTRICT

DIRECTOR/SANITARY ENGINEER - CHARLES T. REGULA, P.E.

TCMSD
 SANDYVILLE WATER TRANSMISSION LINE
 AND DISTRIBUTION SYSTEM

TITLE SHEET

RECORD SET <small>MEASUREMENTS AND RECORDS PROVIDED BY OTHERS</small>	CONTRACT "B" RECORD SET <small>DESCRIPTION</small>
Prepared under the Responsible Charge of:	DATE
MBJ	NO.
File No. 0313-02	BY
Sheet No. 1	

Bob Antonelli
 CONTRACT B

CONSTRUCTION PLANS

DATE: JULY 20, 2011

RECORD SET
MEASUREMENTS AND RECORDS PROVIDED BY OTHERS

UNDERGROUND UTILITIES

2 WORKING DAYS

BEFORE YOU DIG

CALL TOLL FREE **800-362-2764**
OHIO UTILITIES PROTECTION SERVICE

NON-MEMBERS
MUST BE CALLED DIRECTLY

CALL BEFORE YOU DIG

Oil & Gas Producers
Underground
Protection Service

1-800-925-0988
P.O. Box 296, Granville, OH 43023

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UTILITY SYMBOLS

UTILITY POLE - POWER	
UTILITY POLE - TELEPHONE	
UTILITY POLE - LIGHT	
UTILITY POLE - POWER/TELE	
UTILITY POLE - P/T/L	
FIRE HYDRANT	
GAS METER	
GAS SERVICE	
GAS VALVE	
WATER SERVICE VALVE	
GUY WIRE ANCHOR	
GUY POLE	
SANITARY MANHOLE	
STORM SEWER MANHOLE	
TELEPHONE PEDESTAL	
WATER GATE VALVE	
WATER METER	
CATCH BASIN	
MAIL BOX	
PAPER BOX	

EXISTING

PROPOSED

TOPOGRAPHICAL SYMBOLS

TREE		OR	
BUSH			
STUMP			
SIGNS		OR	

CONTROL POINT SYMBOLS

BENCHMARK	
BRASS DISC	
BASELINE POINT	
PK SET	
PK FOUND	
IRON PIN & CAP SET	
IRON PIN & CAP FOUND	
IRON PIN FOUND	
IRON PIPE SET	
IRON PIPE FOUND	
HUB & TACK SET	
HUB & TACK FOUND	
SPINDLE	

LINE TYPES

CORPORATION LINE	
PROPERTY LINES	
LOT LINE	
RIGHT OF WAY LINE	
CENTERLINE	
EXISTING FENCE LINE	
PROPOSED WATER LINE	
EXISTING GAS LINE	
EXISTING SANITARY SEWER LINE	
EXISTING SANITARY FORCE MAIN	
EXISTING STORM SEWER LINE	
EXISTING TELEPHONE CABLE	
EXISTING WATER LINE	
EXISTING CONTOURS	
PROPOSED CONTOURS	
COUNTY HIGHWAY	
INTERSTATE HIGHWAY	
STATE HIGHWAY	
U. S. HIGHWAY	
TOWNSHIP ROAD	
TREE LINE/HEDGE ROW	
EXISTING WATER COURSE	
RAILROAD	
TEMPORARY EASEMENT	
PERMANENT EASEMENT	
EXISTING GUARD RAIL	

WATER LINE NOTES

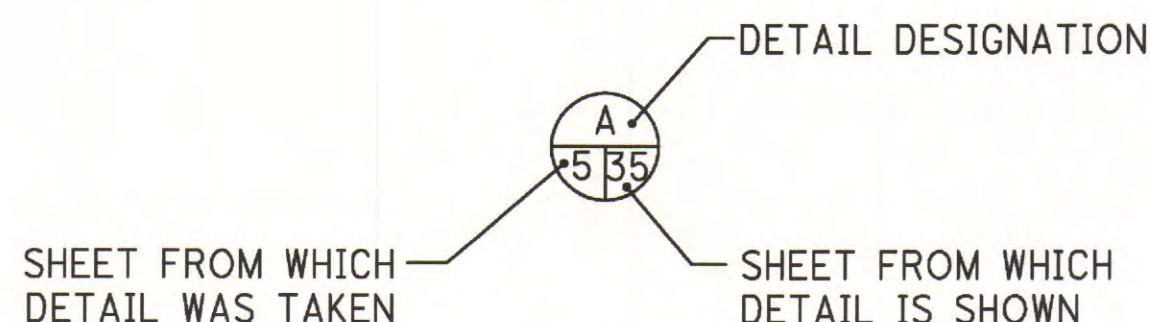
- CONTRACTOR TO COORDINATE ALL WORK WITH THE OWNER'S ENGINEER. PROPOSED WATERLINE ROUTE MUST BE FIELD STAKED PRIOR TO CONSTRUCTION FOR REVIEW BY OWNER. DO NOT BEGIN CONSTRUCTION UNTIL OWNER'S ENGINEER HAS APPROVED THE ACTUAL LAYOUT.
- RIGHT OF WAY AND PROPERTY LINES SHOWN ARE FROM COUNTY GIS MAPPING AND SHALL BE CONSIDERED APPROXIMATE ONLY.
- WATER LINE AND APPURTENANCES SHALL BE AS FOLLOWS IN THE LOCATIONS INDICATED ON THE PLANS:
 - POLYVINYL CHLORIDE (PVC) PIPE AS PER AWWA C900, DR14, WITH JOINTS AND FITTINGS PER AWWA C111.
 - HIGH DENSITY POLYETHYLENE (HDPE) PIPE AS PER AWWA C906 DR11, WITH FUSED JOINTS PER ASTM D3261.
 - DUCTILE IRON PIPE (D.I.P.), PRESSURE CLASS ⁵³350 WITH CEMENT LINING PER AWWA C104, WITH JOINTS AND FITTINGS PER AWWA C111.
 - GATE VALVES-RESILIENT WEDGE WITH MECHANICAL JOINT ENDS PER AWWA C509, CERTIFIED NSF 61.
 - HYDRANTS-IN ACCORDANCE WITH AWWA C502 AND INSTALLED AND TESTED IN ACCORDANCE WITH AWWA M17. **HYDRANT BRANCH PIPE TO BE DUCTILE IRON ANCHORING PIPE** IN ACCORDANCE WITH AWWA C151.
 - WATER SERVICE LINE-SERVICE BRANCHES AND FITTINGS CONFORMING TO AWWA C901.
- WATER MAIN TO BE INSTALLED AND TESTED IN ACCORDANCE WITH AWWA C600 AND DISINFECTED IN ACCORDANCE WITH AWWA C651
- MAINTAIN A MINIMUM 12 INCH VERTICAL AND 4 FOOT HORIZONTAL CLEARANCE FROM OUTSIDE OF PIPE TO OUTSIDE OF PIPE BETWEEN PROPOSED WATERLINE AND EXISTING STORM SEWERS.
- MAINTAIN A MINIMUM 18 INCH VERTICAL AND 10 FOOT HORIZONTAL CLEARANCE FROM OUTSIDE OF PIPE TO OUTSIDE OF PIPE BETWEEN PROPOSED WATERLINE AND EXISTING SANITARY SEWER.
- MAINTAIN SEPARATION REQUIREMENTS BETWEEN WATER MAIN AND SANITARY SEWER LATERALS AND BETWEEN WATER SERVICES AND SANITARY SEWER
- A MINIMUM OF 35 PSI SHALL BE MAINTAINED TO THE CURB STOP DURING NORMAL OPERATING CONDITIONS.
- BOOSTER PUMPS ARE NOT PERMITTED ON SERVICE CONNECTIONS.
- DEPTH OF BURY - 48 INCH MINIMUM COVER, MAINTAIN COVER WITHIN ANY DRAINAGE DITCHES OR SWALES.**
- USE ANCHORING COUPLING BETWEEN FITTINGS FOR ALL PIPING LESS THAN 5 FEET IN LENGTH.**
- CONTRACTOR IS RESPONSIBLE FOR CONTROLLING SOIL SEDIMENT POLLUTION FROM THE SITE AND PROPER PLACEMENT AND MAINTENANCE OF EROSION CONTROL ITEMS IN ACCORDANCE WITH STANDARD CONSTRUCTION PRACTICE. PROVIDE STORM DRAIN INLET PROTECTION FOR ALL CATCH BASINS AND INLETS AS WELL AS SILT FENCE TO PREVENT THE MOVEMENT OF SILT DUE TO EROSION. INSTALL THE APPROPRIATE EROSION CONTROL MEASURES PRIOR TO CONSTRUCTION IN AREAS REQUIRING SUCH MEASURES.
- WHERE WATER LINE INSTALLATION DISTURBS AN EXISTING ROADSIDE DITCH, RESTORE THE DITCH TO MATCH THE ORIGINAL SIDE SLOPES AND BOTTOM WIDTH. INSTALL DITCH PROTECTION IN ACCORDANCE WITH THE DITCH PROTECTION SCHEDULE ON THIS SHEET. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE FOR WATER LINE.
- WHERE THE WATER LINE CROSSES EXISTING GAS LINES, STORM SEWERS, CULVERTS, SANITARY SEWERS, ETC. MAINTAIN A MINIMUM 18 INCH VERTICAL CLEARANCE FROM OUTSIDE OF PIPE TO OUTSIDE OF PIPE. WHERE REQUIRED DUE TO THE ELEVATION OF THE EXISTING LINE, THE WATER LINE SHALL BE LOWERED IN ACCORDANCE WITH STANDARD DETAIL SD-164. NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE FOR THE WATER LINE. COSTS FOR THIS SHALL INCLUDE ALL CROSSINGS REGARDLESS OF WHETHER THEY ARE SPECIFICALLY CALLED FOR ON THE PLANS OR NOT. MAINTAIN A MINIMUM HORIZONTAL CLEARANCE OF 2' OUTSIDE OF PIPE TO OUTSIDE OF PIPE WHERE WATER LINE RUNS PARALLEL TO EXISTING GAS LINES.
- EXCEPT AS SHOWN ON THE PLANS, ALL WATER LINES INSTALLED WITHIN COUNTY ROADS SHALL BE INSTALLED WITH A TYPICAL 6 FOOT HORIZONTAL CLEARANCE FROM THE ROADWAY, MEASURED FROM EDGE OF EXISTING PAVEMENT TO THE CENTERLINE OF THE PROPOSED WATER LINE. WHERE NEEDED, THIS OFFSET MAY BE REDUCED TO 4 FEET AS SHOWN ON THE PLANS. NO VALVES ARE TO BE LOCATED WITHIN ANY PAVED AREAS FOR COUNTY ROADS.
- COORDINATE WITH UTILITY OWNER FOR SUPPORT OF ANY UTILITY POLES LOCATED CLOSER THAN 7 FEET TO A PROPOSED WATER LINE. ANY COSTS ASSOCIATED WITH SHALL BE INCLUDED IN THE UNIT PRICE FOR THE WATER LINE. COSTS FOR THIS SHALL INCLUDE ANY AFFECTED POLES REGARDLESS OF WHETHER THEY ARE SPECIFICALLY CALLED FOR ON THE PLANS OR NOT.
- THE ROAD RIGHT OF WAY LINES AND PROPERTY LINES DEPICTED ON THESE PLANS ARE TAKEN FROM THE TUSCARAWAS COUNTY AUDITOR'S TAX MAP AND SHOULD BE CONSIDERED APPROXIMATE ONLY.
- LOCATION OF WATER SERVICES, VALVES AND HYDRANTS MAY BE FIELD ADJUSTED AS DIRECTED AND/OR APPROVED BY THE OWNER OR THE OWNER'S AUTHORIZED REPRESENTATIVE.**
- NO WETLANDS ARE TO BE IMPACTED AS PART OF THIS PROJECT.
- NO CONCRETE SHALL BE POURED AROUND ANY PIPES OR THREADS.
- IF THE PROPOSED ROUTING OF THE NEW WATERLINE IS WITHIN 7 FEET OF ANY EXISTING UTILITY POLE AND NO FEASIBLE ALTERNATE ROUTE EXISTS, IT SHALL BE THE CONTRACTOR'S OPTION TO EITHER 1.) DIRECTIONAL DRILL THE NEW WATERLINE OR 2.) COORDINATE WITH THE OWNER OF THE UTILITY POLE TO HOLD THEIR POLES DURING CONSTRUCTION TO AVOID DAMAGE TO THE UTILITY AT NO ADDITIONAL COST TO THE PROJECT OWNER. COST FOR THIS WORK IS TO BE INCLUDED IN THE COST OF THE WATERLINE.

ENVIRONMENTAL NOTES

- PRIOR TO CONSTRUCTION, MARK SHIELDCASTLE WITH THE ODNR DIVISION OF WILDLIFE RESEARCH STATION (419-898-0960 EXT 23) MUST BE CONTACTED TO CONFIRM THERE ARE NO BALD EAGLE NESTS WITHIN 1/2 MILE OF THE PROJECT. IF A NEST IS PRESENT, COORDINATION WITH HIS OFFICE WILL BE REQUIRED.
- TO PROTECT THE INDIANA BAT (Myotis Sodalis) SUMMER HABITAT, IF ANY EXFOLIATING BARK TREES OR TREES WITH SPLIT BRANCHES OR CAVITIES ARE OBSERVED, NOTIFY THE US FISH AND WILDLIFE SERVICE (USFWS). THESE TREES ARE TO BE SAVED WHENEVER POSSIBLE. IF THEY MUST BE CUT, THEY SHALL NOT BE CUT BETWEEN APRIL 1ST AND SEPTEMBER 30TH. IF THAT RESTRICTION IS NOT POSSIBLE, MIST NET OR OTHER SURVEYS SHALL BE CONDUCTED TO DETERMINE IF BATS ARE PRESENT. THE SURVEY SHALL BE DESIGNED AND CONDUCTED IN COORDINATION WITH THE ENDANGERED SPECIES COORDINATOR AT THE USFWS OFFICE IN REYNOLDSBURG, OHIO. THE SURVEY SHALL BE CONDUCTED IN JUNE OR JULY WHEN THE BATS ARE EXPECTED TO BE IN THE PROJECT AREA.
- IF THE LOGGERHEAD SHRIKE OR EASTERN SPADEFOOT TOADS ARE ENCOUNTERED DURING CONSTRUCTION, STOP WORK IMMEDIATELY AND NOTIFY THE DIVISION OF WILDLIFE.
- NOISE-PRODUCING CONSTRUCTION ACTIVITIES SHALL BE PROHIBITED DURING THE NOISE SENSITIVE PERIOD BETWEEN 7:00 PM AND 7:00 AM.

DITCH PROTECTION SCHEDULE

LONGITUDINAL SLOPE	DITCH PROTECTION	SPECIFICATION
0% - 0.6%	SEEDING AND MULCHING	SECTION 32 92 00
0.6% - 3%	TURF REINFORCEMENT MAT, TYPE 1	ODOT SUPPLEMENTAL SPECIFICATION 836
3% - 5%	TURF REINFORCEMENT MAT, TYPE 2	ODOT SUPPLEMENTAL SPECIFICATION 836
5% - 8%	TURF REINFORCEMENT MAT, TYPE 3	ODOT SUPPLEMENTAL SPECIFICATION 836
> 8%	ROCK CHANNEL PROTECTION, TYPE B WITH FILTER	ODOT ITEM 601



W.E. QUICKSALL AND ASSOCIATES, INC.
 CIVIL ENGINEERS
 New Philadelphia, Ohio

TCMSD
 SANDYVILLE WATER TRANSMISSION LINE
 AND DISTRIBUTION

STANDARD SYMBOLS AND WATER LINE NOTES

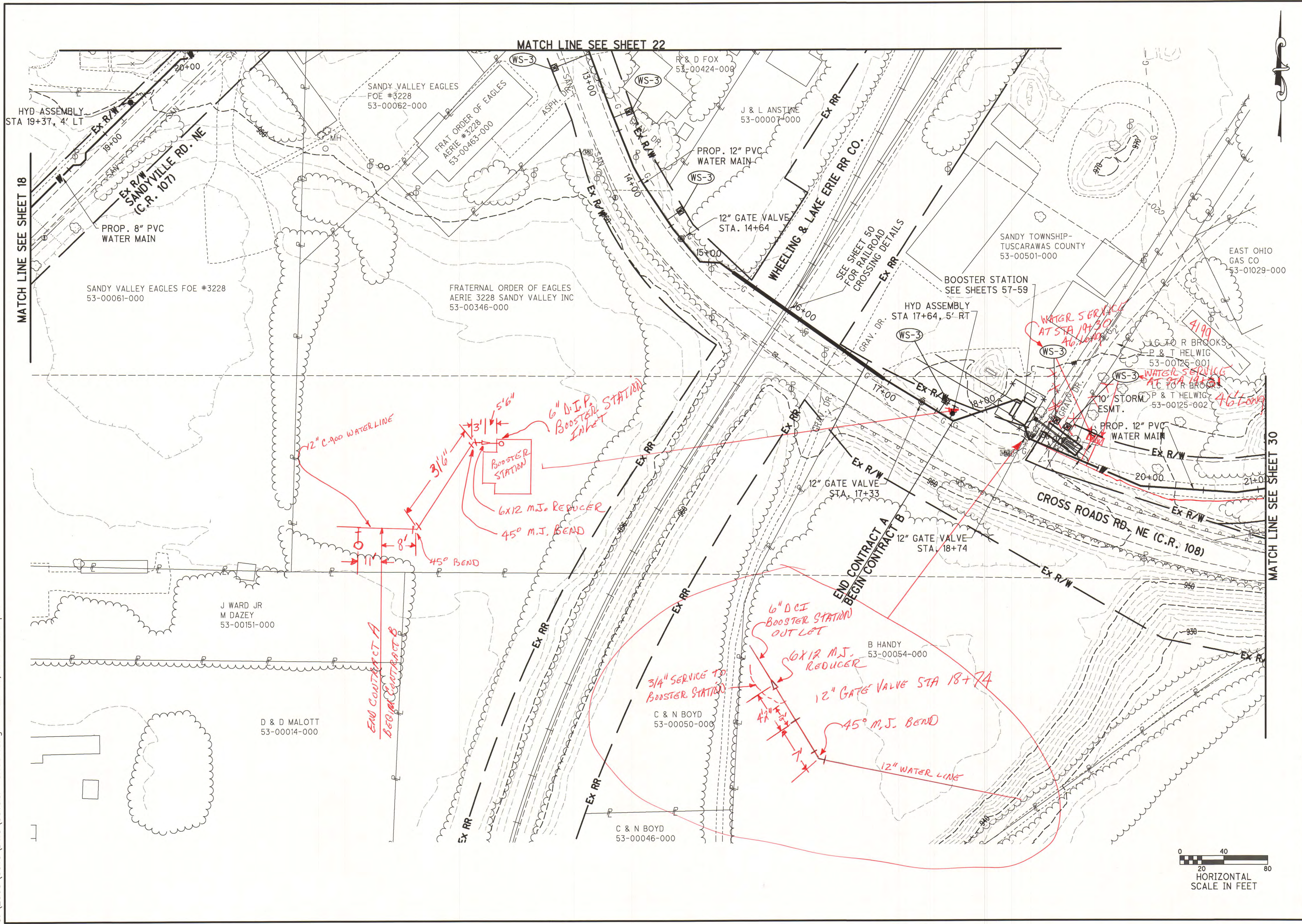
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Date	1/2010
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Reviewed	JMW

Prepared under the Responsible Charge of: MBJ

File No. 0313-02

Sheet No. 03

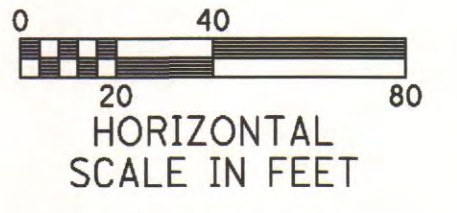
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MATCH LINE SEE SHEET 22

MATCH LINE SEE SHEET 18

MATCH LINE SEE SHEET 30



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 New Philadelphia, Ohio

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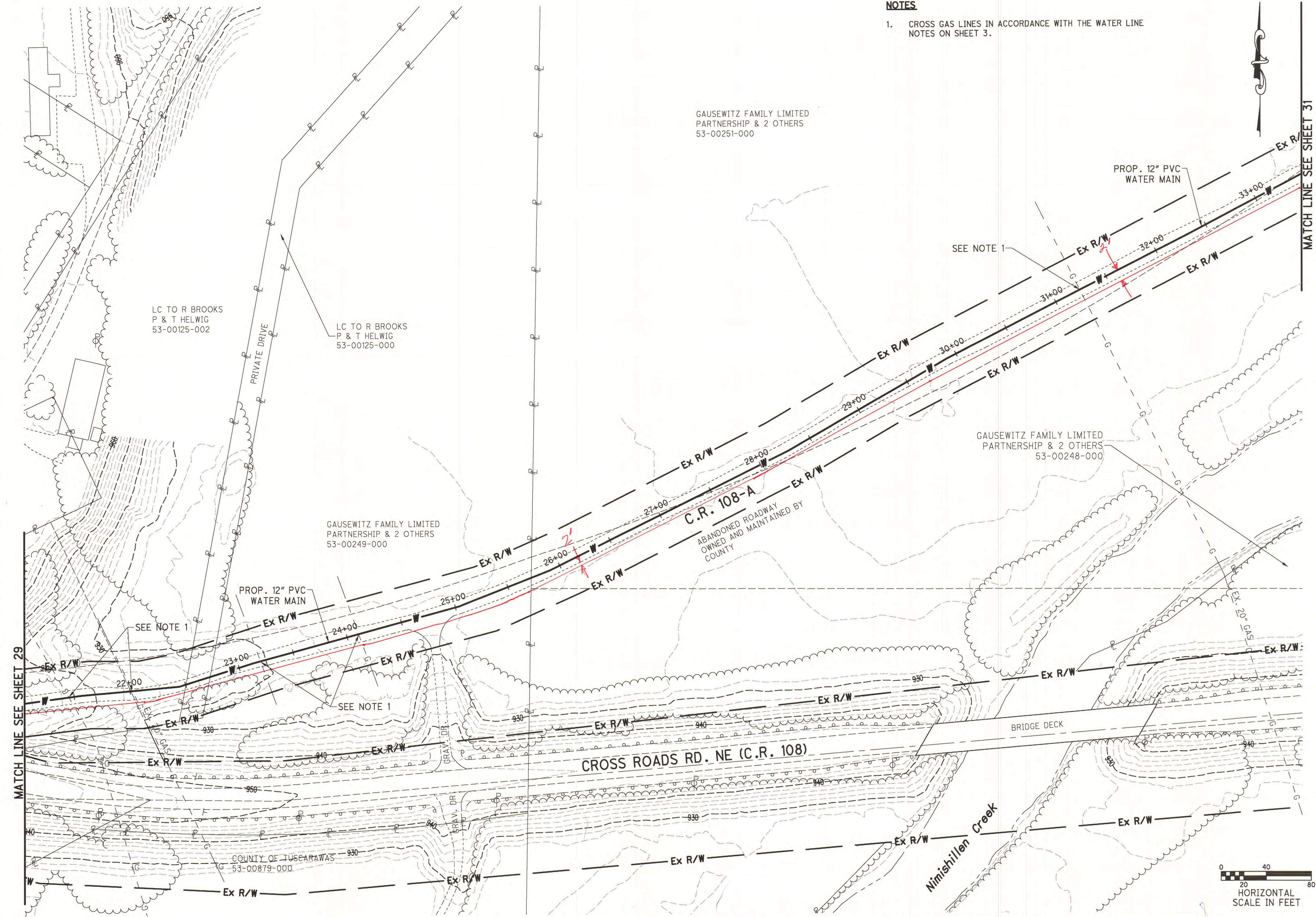
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 SANDYVILLE WATER TRANSMISSION LINE
 AND DISTRIBUTION SYSTEM

PLAN SHEET - CROSS ROADS RD. NE

NO.	DATE	DESCRIPTION	BY

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 MBJ
 File No. 0313-02
 Sheet No. 29

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NOTES

- CROSS GAS LINES IN ACCORDANCE WITH THE WATER LINE NOTES ON SHEET 3.

GAUSEWITZ FAMILY LIMITED
PARTNERSHIP & 2 OTHERS
53-00251-000

LC TO R BROOKS
P & T HELWIG
53-00125-002

LC TO R BROOKS
P & T HELWIG
53-00125-000

GAUSEWITZ FAMILY LIMITED
PARTNERSHIP & 2 OTHERS
53-00249-000

GAUSEWITZ FAMILY LIMITED
PARTNERSHIP & 2 OTHERS
53-00248-000

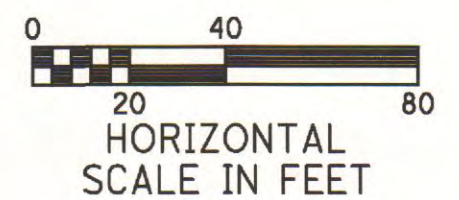
C.R. 108-A
ABANDONED ROADWAY
OWNED AND MAINTAINED BY
COUNTY

PROP. 12" PVC
WATER MAIN

PROP. 12" PVC
WATER MAIN

MATCH LINE SEE SHEET 29

MATCH LINE SEE SHEET 31



W.E. QUICKSALL AND ASSOCIATES, INC.
CIVIL ENGINEERS
New Philadelphia, Ohio

Drawn	TJS/KYS
Checked	MBJ
Date	1/2010
Scale	AS NOTED
Reviewed	JMW

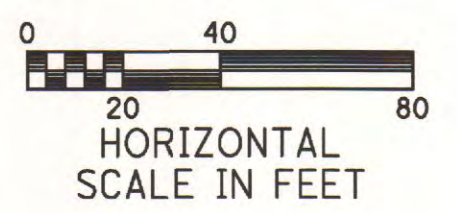
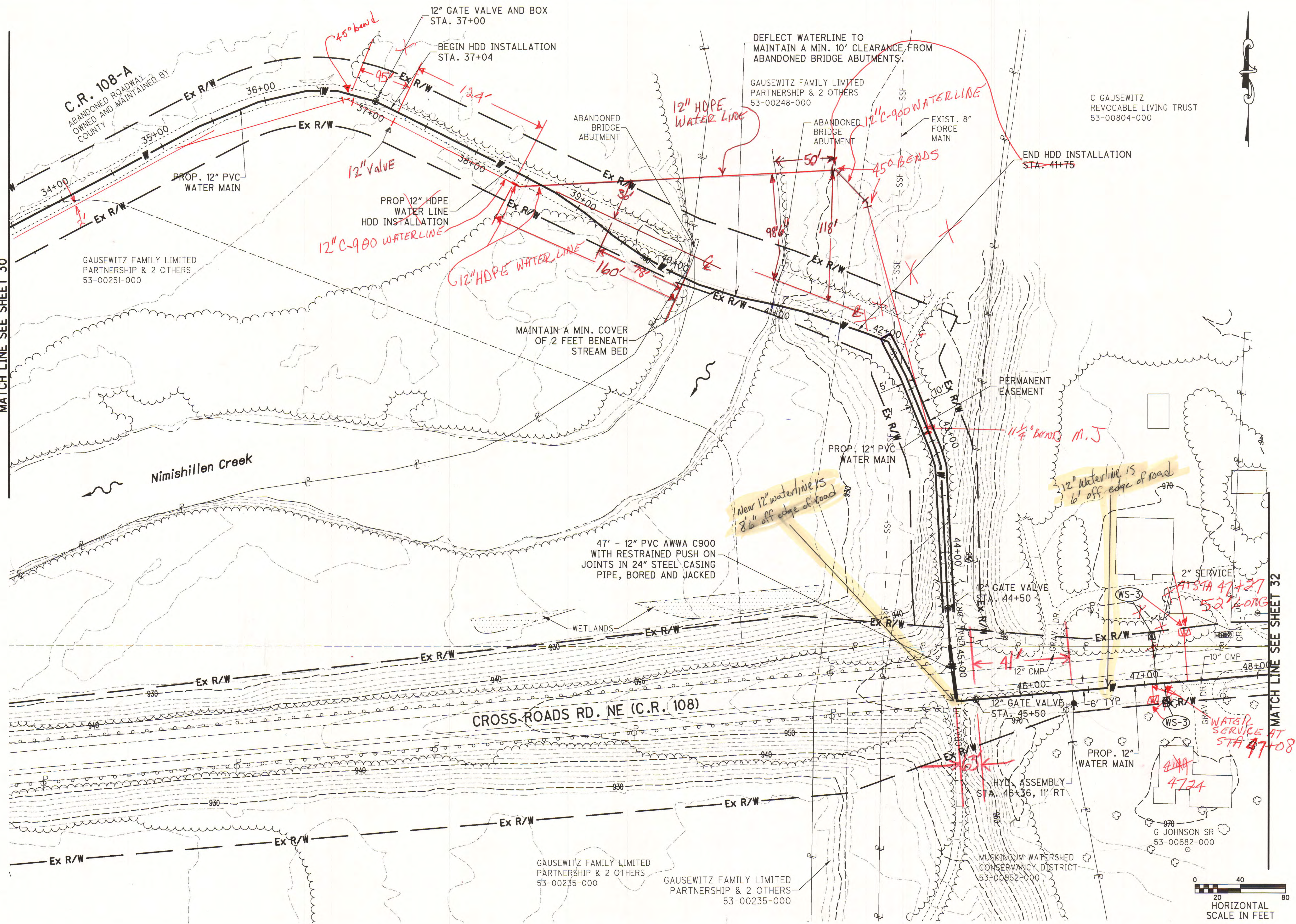
TCMSD
SANDVILLE WATER TRANSMISSION LINE
AND DISTRIBUTION SYSTEM
PLAN SHEET - CROSS ROADS RD. NE

NO.	DATE	DESCRIPTION	BY

Prepared under the Responsible Charge of: MBJ
File No. 0313-02
Sheet No. 30

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MATCH LINE SEE SHEET 30



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 CIVIL ENGINEERS
 New Philadelphia, Ohio

Drawn: TJS/KYS
 Checked: MBJ
 Date: 1/2010
 Scale: AS NOTED
 Reviewed: JMW

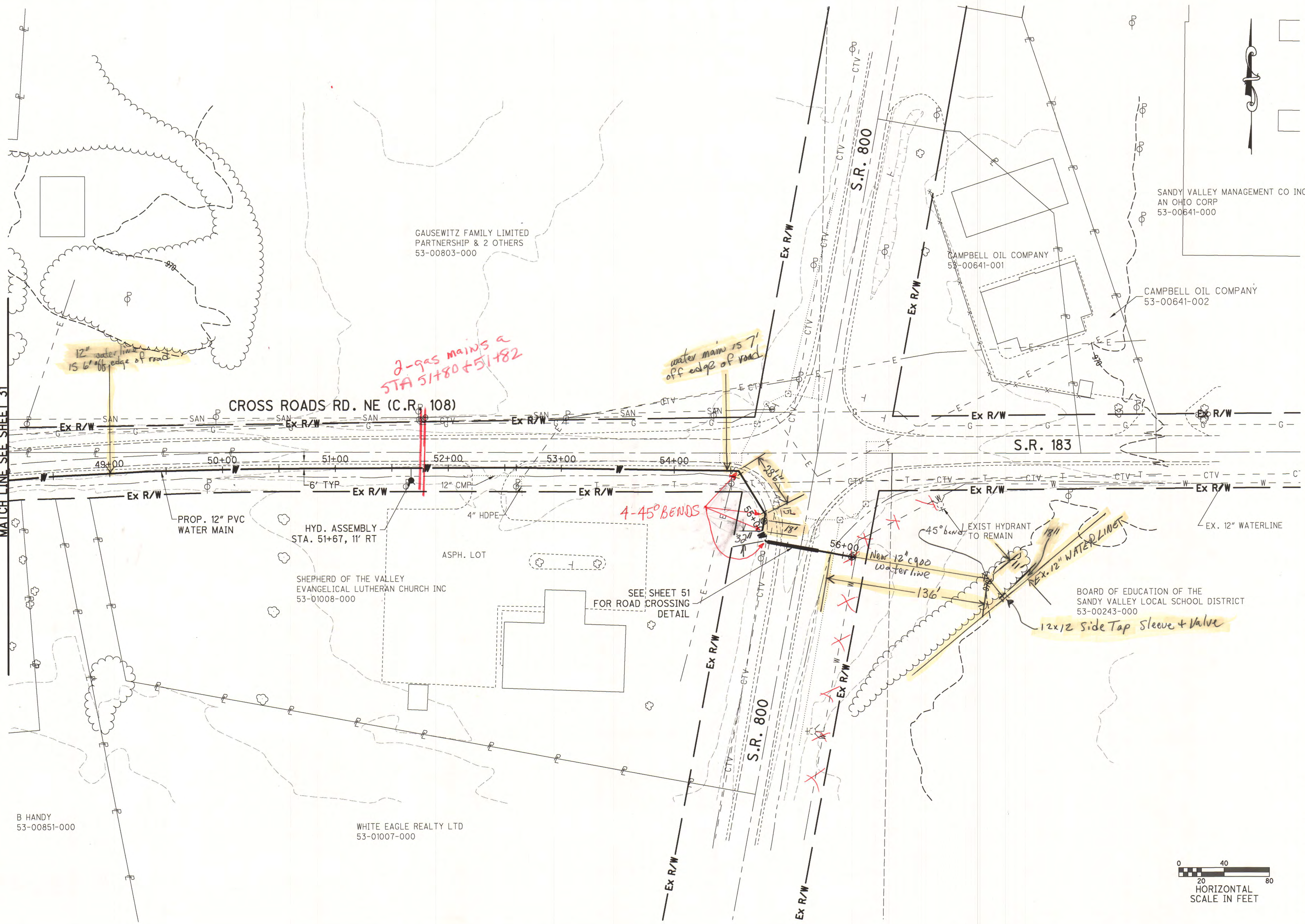
TCMSD
 SANDYVILLE WATER TRANSMISSION LINE
 AND DISTRIBUTION SYSTEM
 PLAN SHEET - CROSS ROADS RD. NE

NO.	DATE	DESCRIPTION	BY

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 File No. 0313-02
 Sheet No. 31

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MATCH LINE SEE SHEET 31



B HANDY
53-00851-000

WHITE EAGLE REALTY LTD
53-01007-000

GAUSEWITZ FAMILY LIMITED PARTNERSHIP & 2 OTHERS
53-00803-000

SHEPHERD OF THE VALLEY EVANGELICAL LUTHERAN CHURCH INC
53-01008-000

CAMPBELL OIL COMPANY
53-00641-001

CAMPBELL OIL COMPANY
53-00641-002

SANDY VALLEY MANAGEMENT CO INC
AN OHIO CORP
53-00641-000

BOARD OF EDUCATION OF THE SANDY VALLEY LOCAL SCHOOL DISTRICT
53-00243-000



W.E. QUICKSAIL AND ASSOCIATES, INC.
CIVIL ENGINEERS
New Philadelphia, Ohio

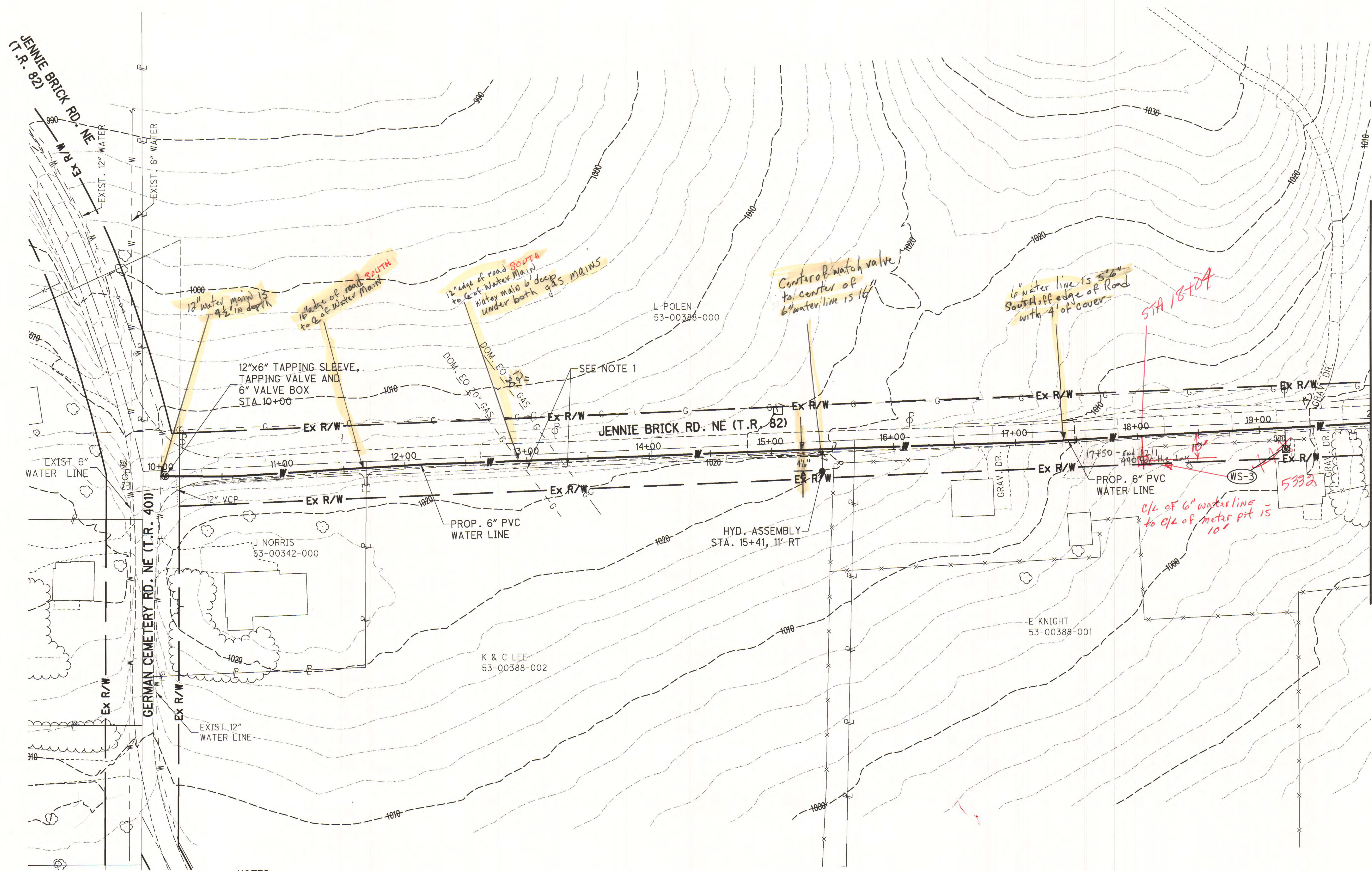
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Date: 1/2010
Scale: AS NOTED
Reviewed: JMW

TCMSD
SANDYVILLE WATER TRANSMISSION LINE AND DISTRIBUTION SYSTEM
PLAN SHEET - CROSS ROADS RD. NE

NO.	DATE	DESCRIPTION	BY

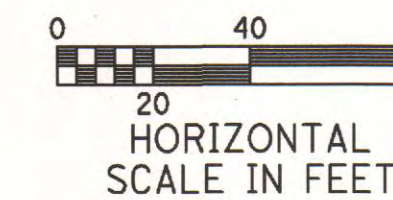
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File No. 0313-02
Sheet No. 32

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NOTES

- CROSS EXISTING GAS LINES IN ACCORDANCE WITH THE WATER LINE NOTES ON SHEET 3.



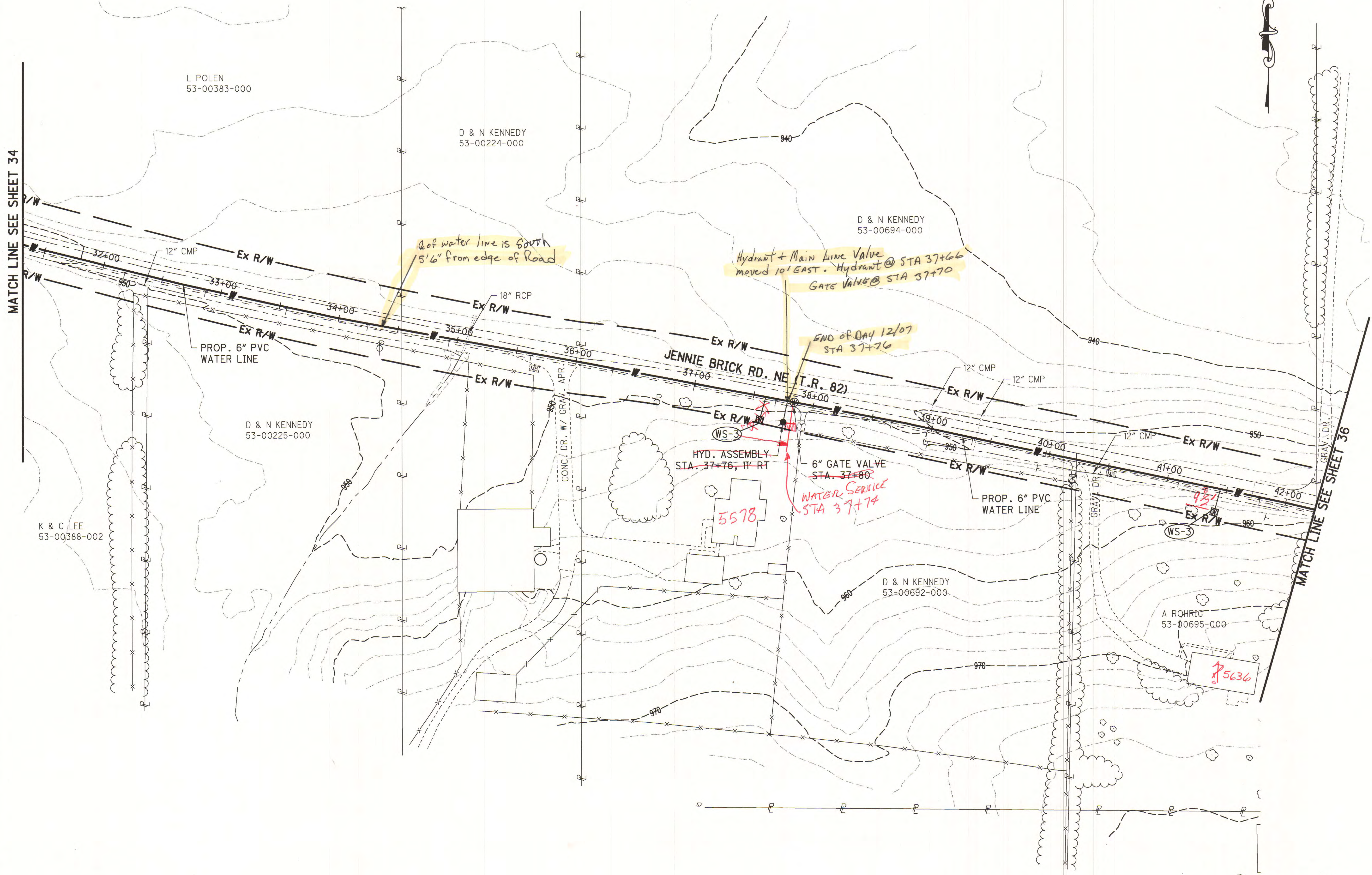
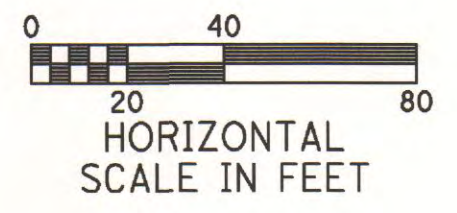
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Scale AS NOTED		Reviewed JMW
T.C.M.S.D. SANDYVILLE WATER TRANSMISSION LINE AND DISTRIBUTION SYSTEM		
PLAN SHEET - JENNIE BRICK RD. NE		
	NO.	DATE
	DESCRIPTION	BY
	NO.	DATE
	DESCRIPTION	BY
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File No.		0313-02
Sheet No.		33

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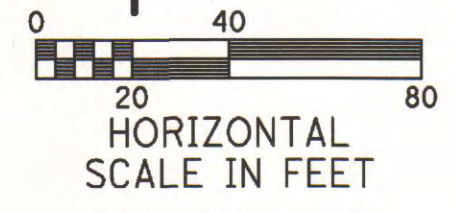
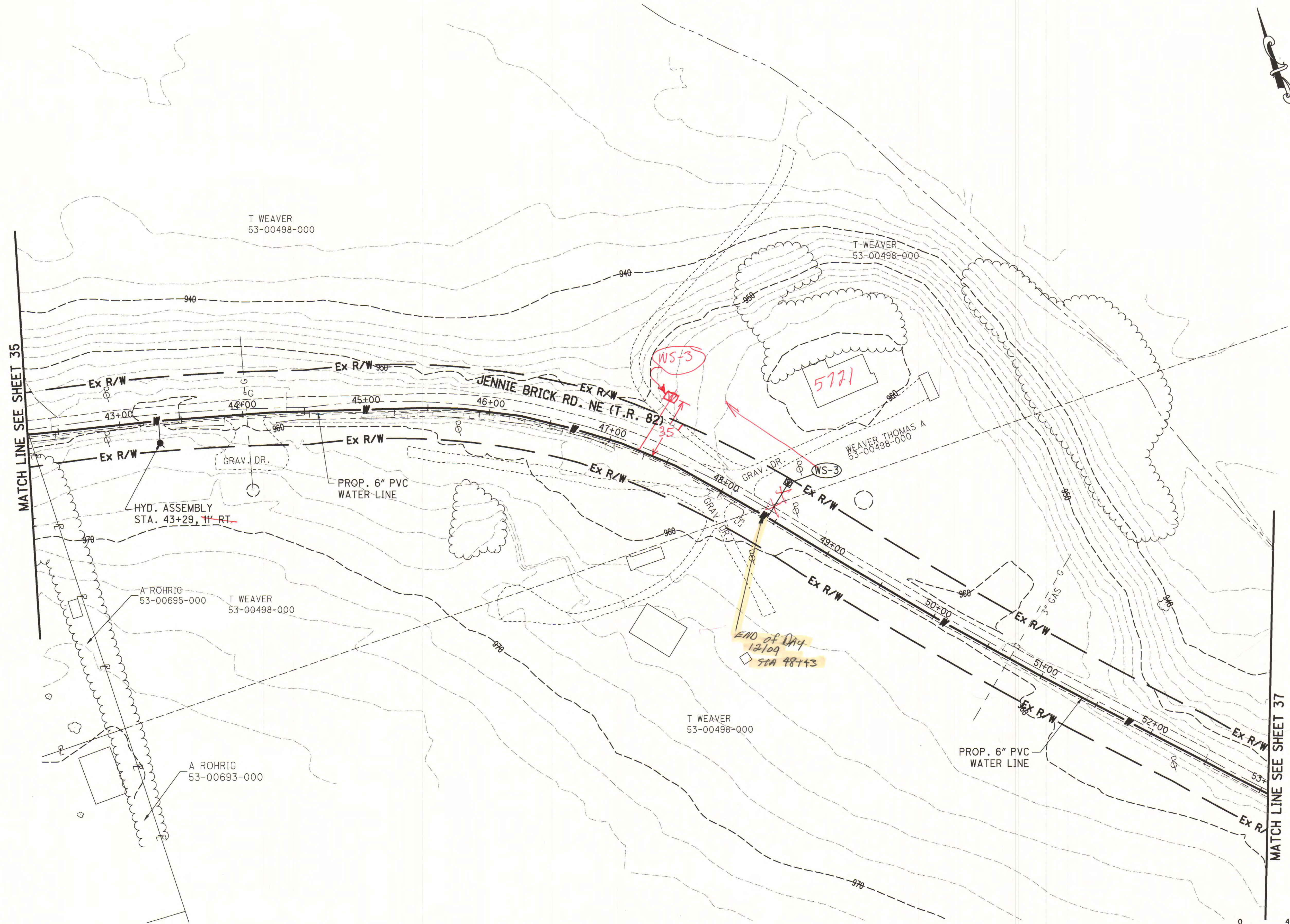
MATCH LINE SEE SHEET 34

MATCH LINE SEE SHEET 36



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File No.	0313-02	NO.	DATE
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Date	1/2010	Scale	AS NOTED
Drawn	TJS/KYS	Reviewed	JMW
TCMSD SANDYVILLE WATER TRANSMISSION LINE AND DISTRIBUTION SYSTEM PLAN SHEET - JENNIE BRICK RD. NE			

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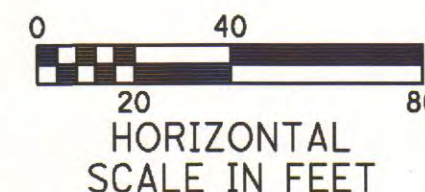
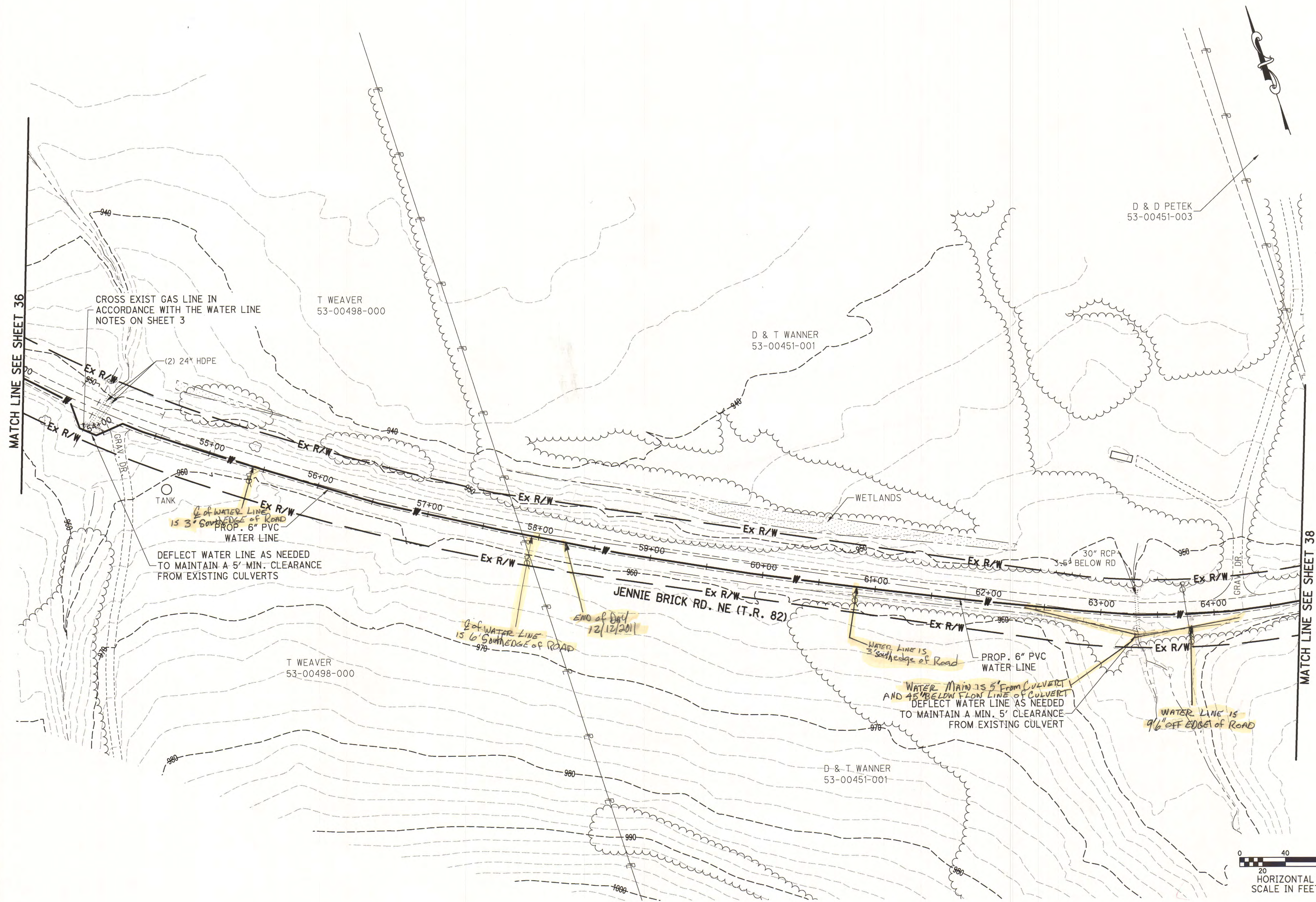


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Sheet No. 36					
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<p>W.E. QUICKSALL AND ASSOCIATES, INC. CIVIL ENGINEERS New Philadelphia, Ohio</p>		<p>Drawn TJS/KVS</p>	<p>Checked MBJ</p>	<p>Date 1/2010</p>	<p>Scale AS NOTED</p>
		<p>Reviewed JMW</p>			

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 New Philadelphia, Ohio

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Date	1/2010
Scale	AS NOTED
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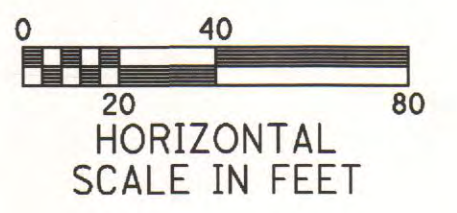
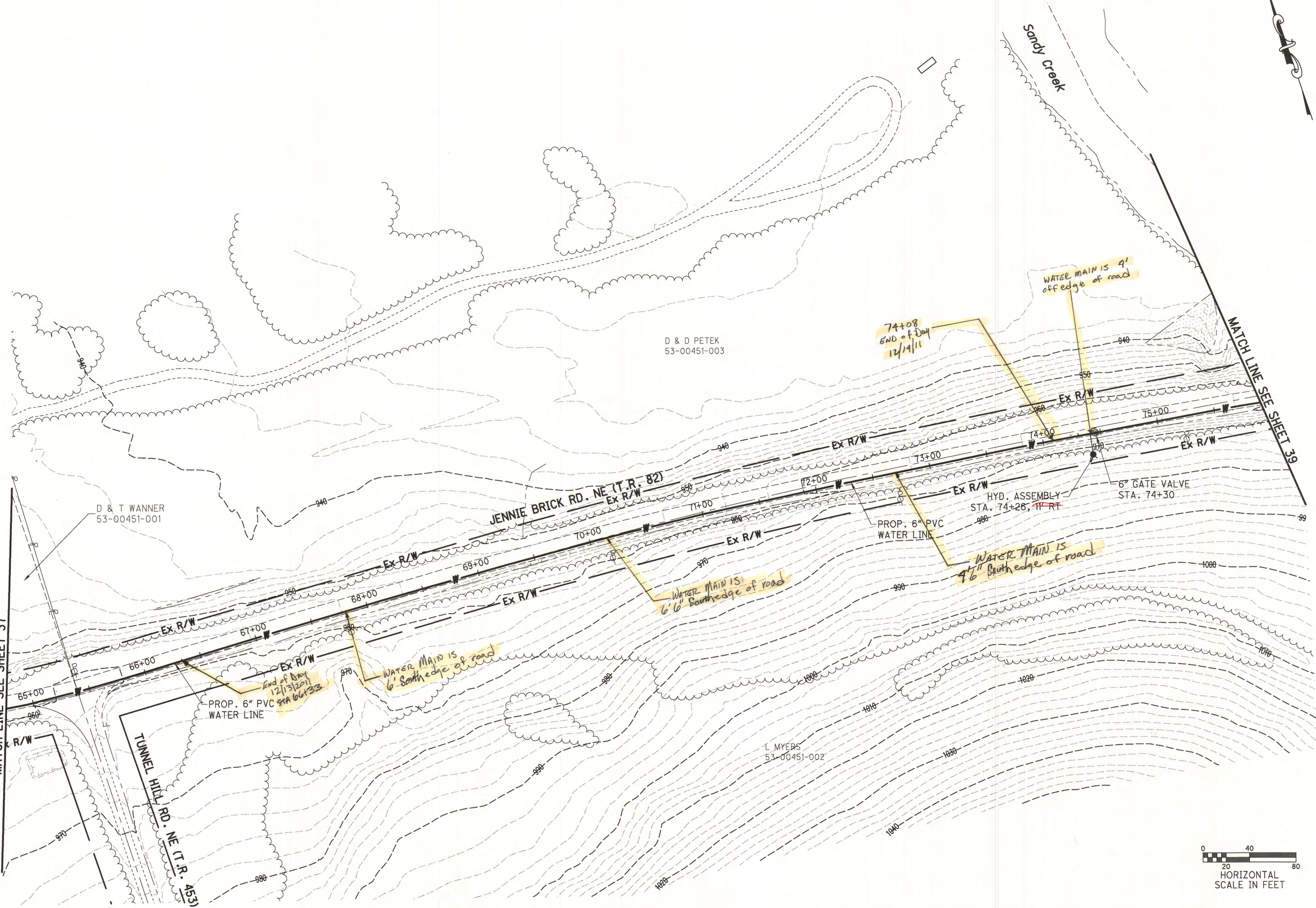
TCMSD
 SANDYVILLE WATER TRANSMISSION LINE
 AND DISTRIBUTION SYSTEM
 PLAN SHEET - JENNIE BRICK RD. NE

NO.	DATE	DESCRIPTION	BY

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 File No. 0313-02
 Sheet No. 37

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 CIVIL ENGINEERS
 New Philadelphia, Ohio

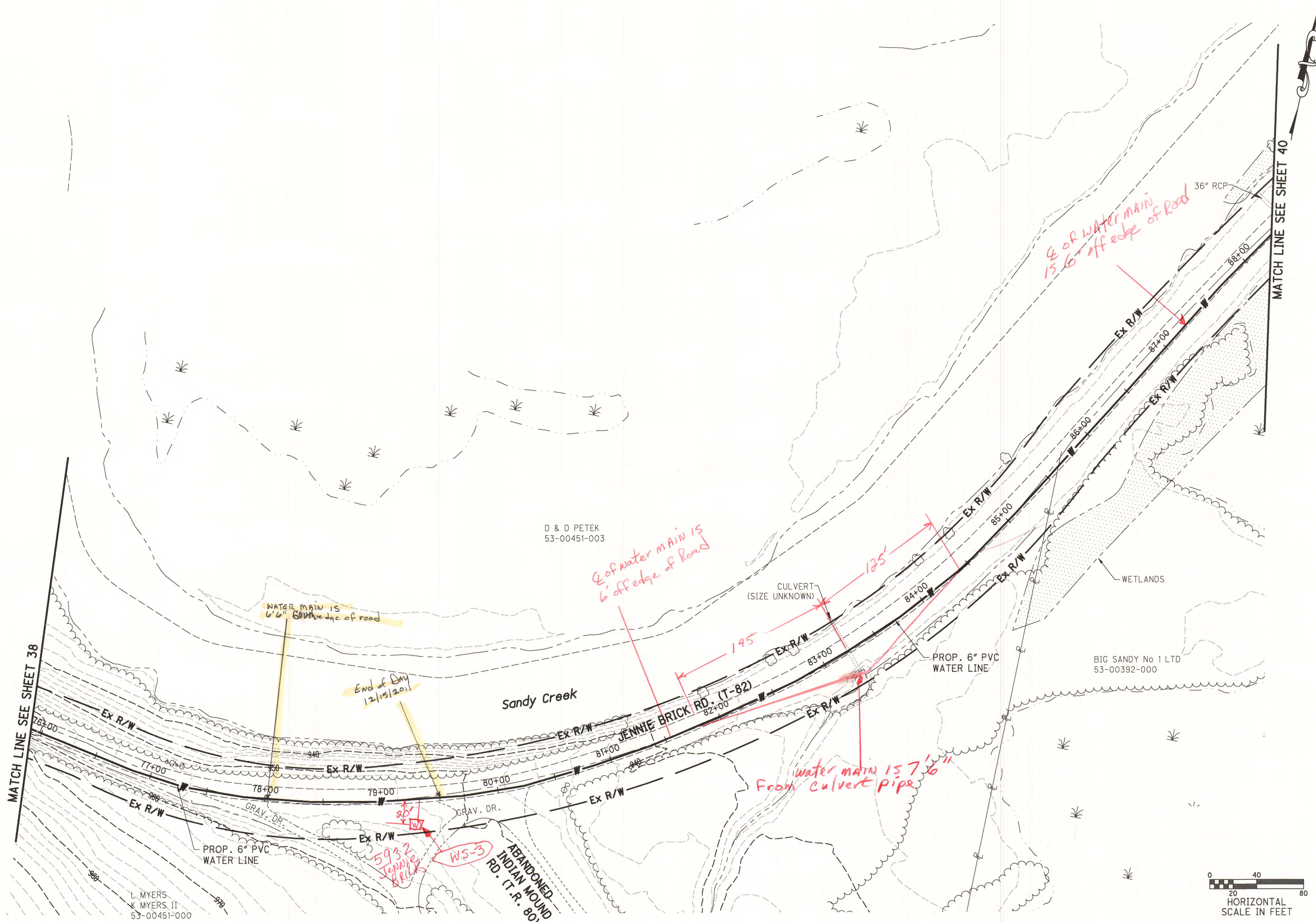
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 SANDYVILLE WATER TRANSMISSION LINE
 AND DISTRIBUTION SYSTEM
 PLAN SHEET - JENNIE BRICK RD. NE

NO.	DATE	DESCRIPTION	BY

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 Sheet No. 38

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L. MYERS
K. MYERS, II
53-00451-000

D & D PETEK
53-00451-003

BIG SANDY No 1 LTD
53-00392-000

MATCH LINE SEE SHEET 38

MATCH LINE SEE SHEET 40

W.E. QUICKSALL AND ASSOCIATES, INC.
CIVIL ENGINEERS
New Philadelphia, Ohio

Drawn	TJS/KYS
Checked	MBJ
Date	1/2010
Scale	AS NOTED
Reviewed	JMW

TCMSD
SANDYVILLE WATER TRANSMISSION LINE
AND DISTRIBUTION SYSTEM

PLAN SHEET - JENNIE BRICK RD. NE

NO.	DATE	DESCRIPTION	BY

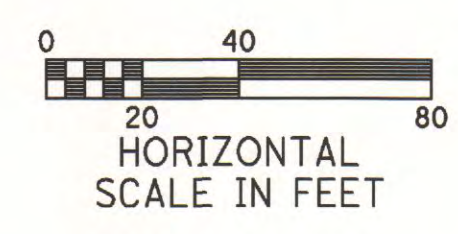
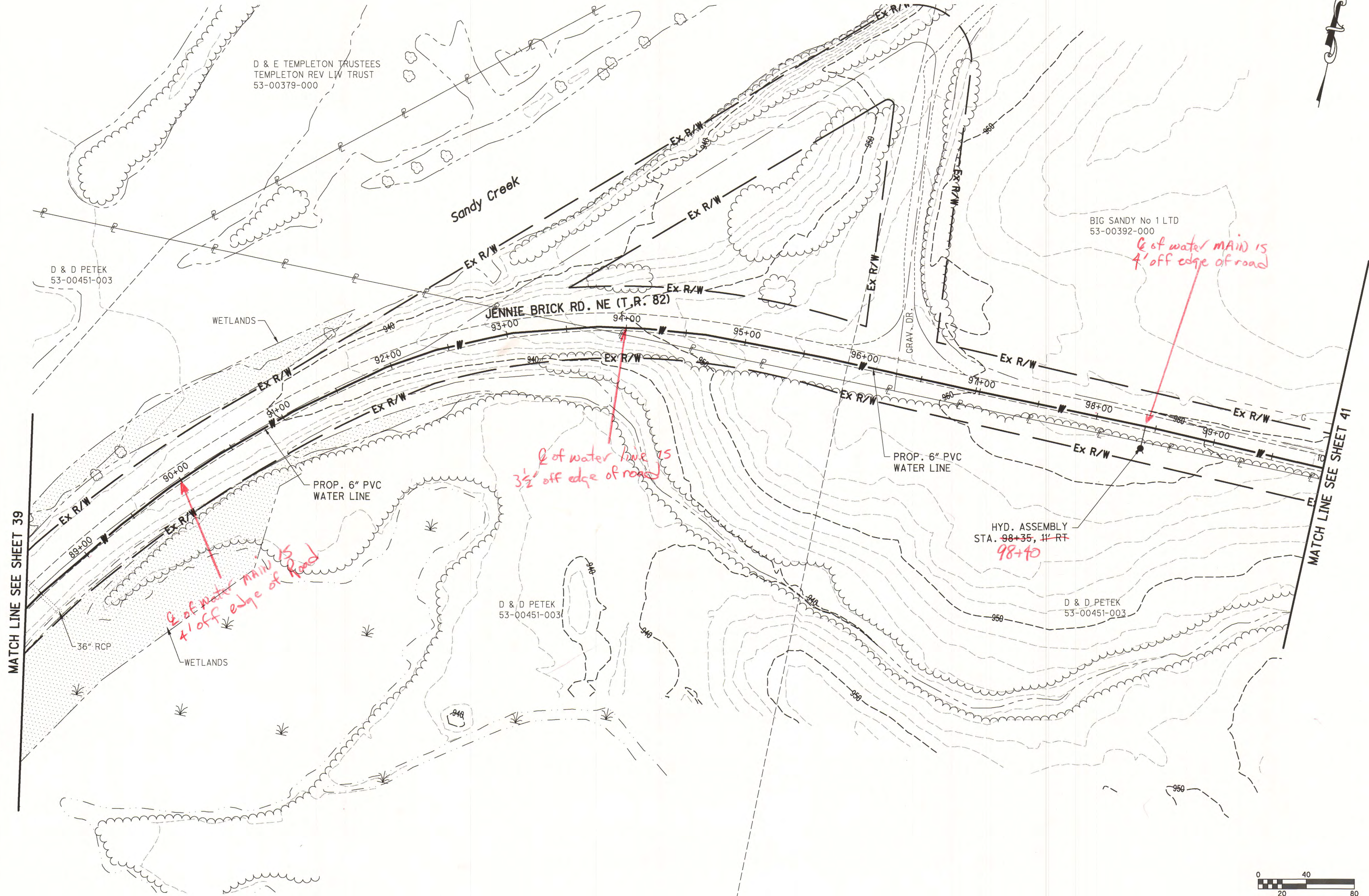
Prepared under the Responsible Charge of:

MBJ

File No. 0313-02

Sheet No. 39

O:\2003\0313\DWG\0313GP-JB008.dwg - Jul 18, 2011-3:16pm

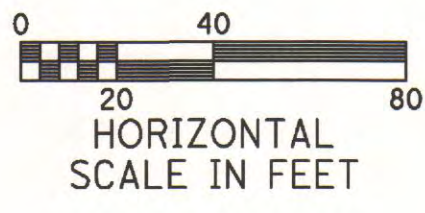
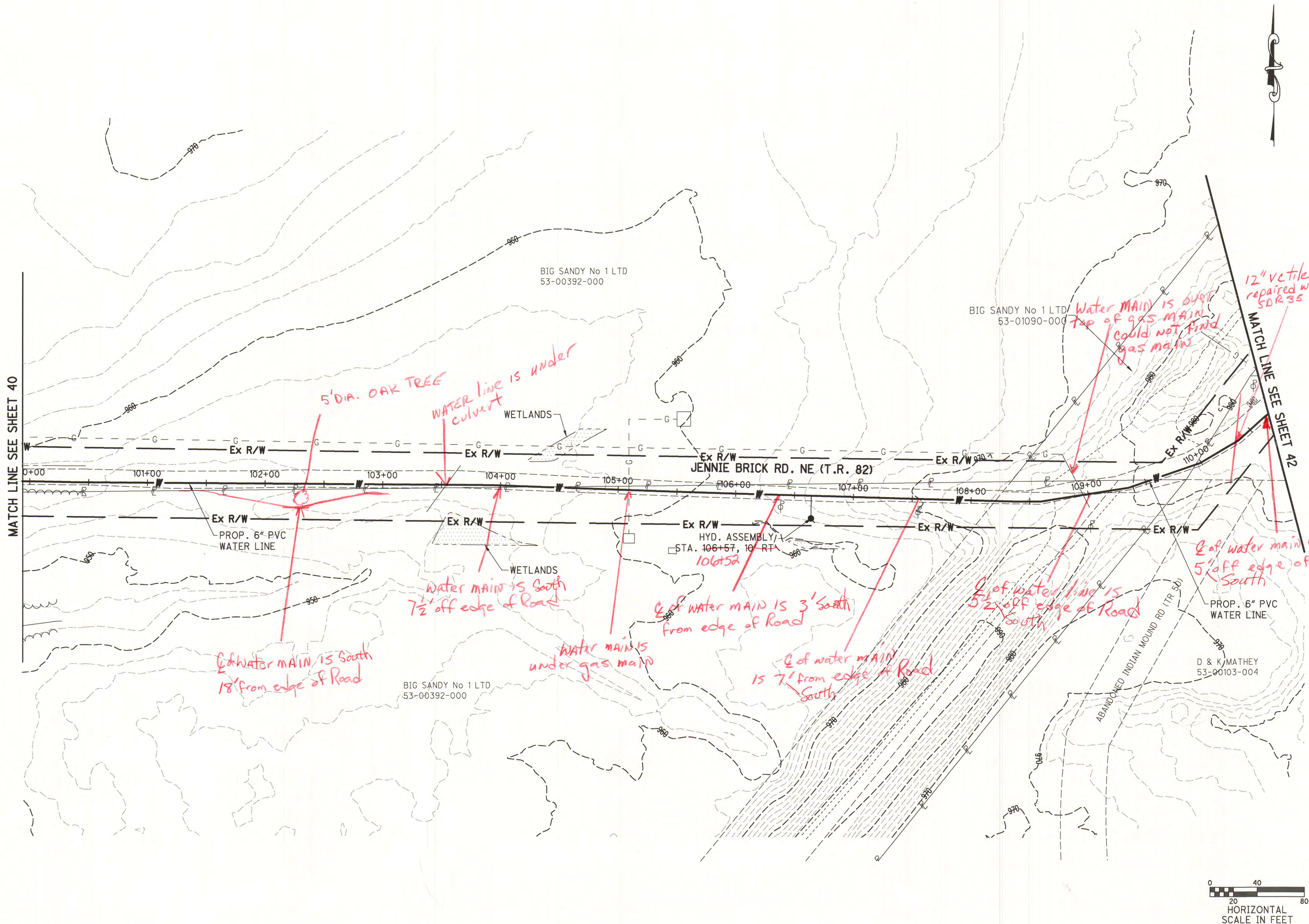


Prepared under the Responsible Charge of:	MBJ	NO.	DATE	DESCRIPTION	BY
	File No. 0313-02				
Sheet No. 40					

	W.E. QUICKSALL AND ASSOCIATES, INC. CIVIL ENGINEERS New Philadelphia, Ohio	Date 1/2010	Scale AS NOTED	Reviewed JMW
	Drawn TJS/KYS	Checked MBJ	Date 1/2010	Scale AS NOTED

TCMSD SANDYVILLE WATER TRANSMISSION LINE AND DISTRIBUTION SYSTEM	PLAN SHEET - JENNIE BRICK RD. NE
--	----------------------------------

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W.E. QUICKSALL AND ASSOCIATES, INC.
 CIVIL ENGINEERS
 New Philadelphia, Ohio

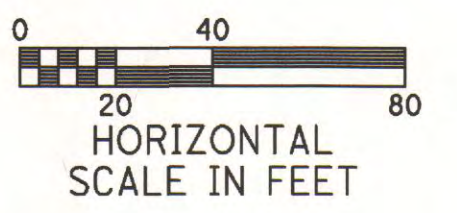
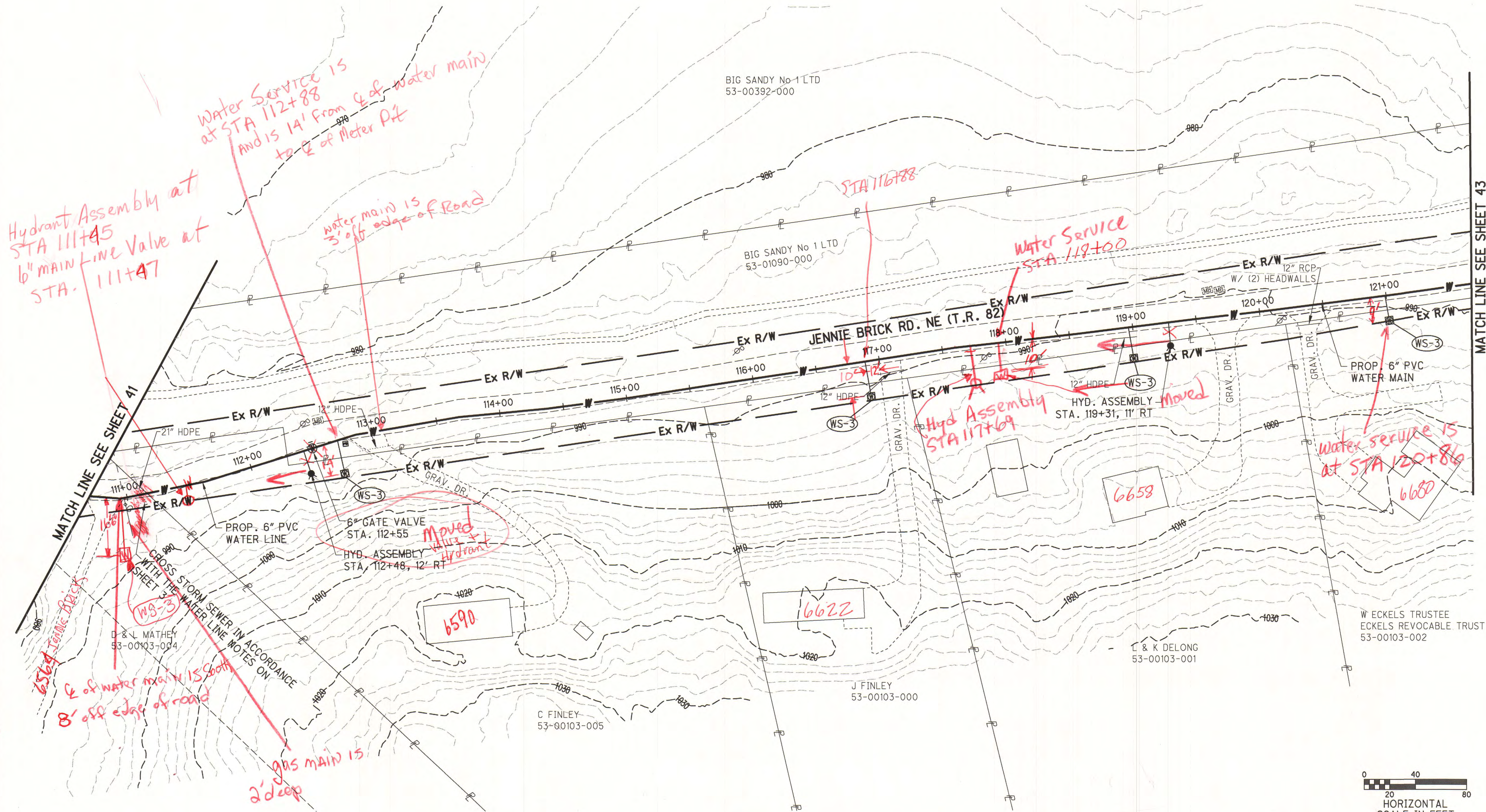
Drawn	TJS/KYS
Checked	MBJ
Date	1/2010
Scale	AS NOTED
Reviewed	JMW

TCMSD
 SANDYVILLE WATER TRANSMISSION LINE
 AND DISTRIBUTION SYSTEM
 PLAN SHEET - JENNIE BRICK RD. NE

NO.	DATE	DESCRIPTION	BY

Prepared under the Responsible Charge of:
 MBJ
 File No. 0313-02
 Sheet No. 41

O:\2003\0313\DWG\0313GP-JB010.dwg - Jul 18, 2011 - 3:26pm



MATCH LINE SEE SHEET 43

W.E. QUICKSALL AND ASSOCIATES, INC.
 CIVIL ENGINEERS
 New Philadelphia, Ohio

Drawn: TJS/KVS
 Checked: MBJ
 Date: 1/2010
 Scale: AS NOTED
 Reviewed: JMW

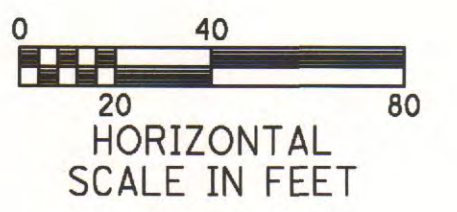
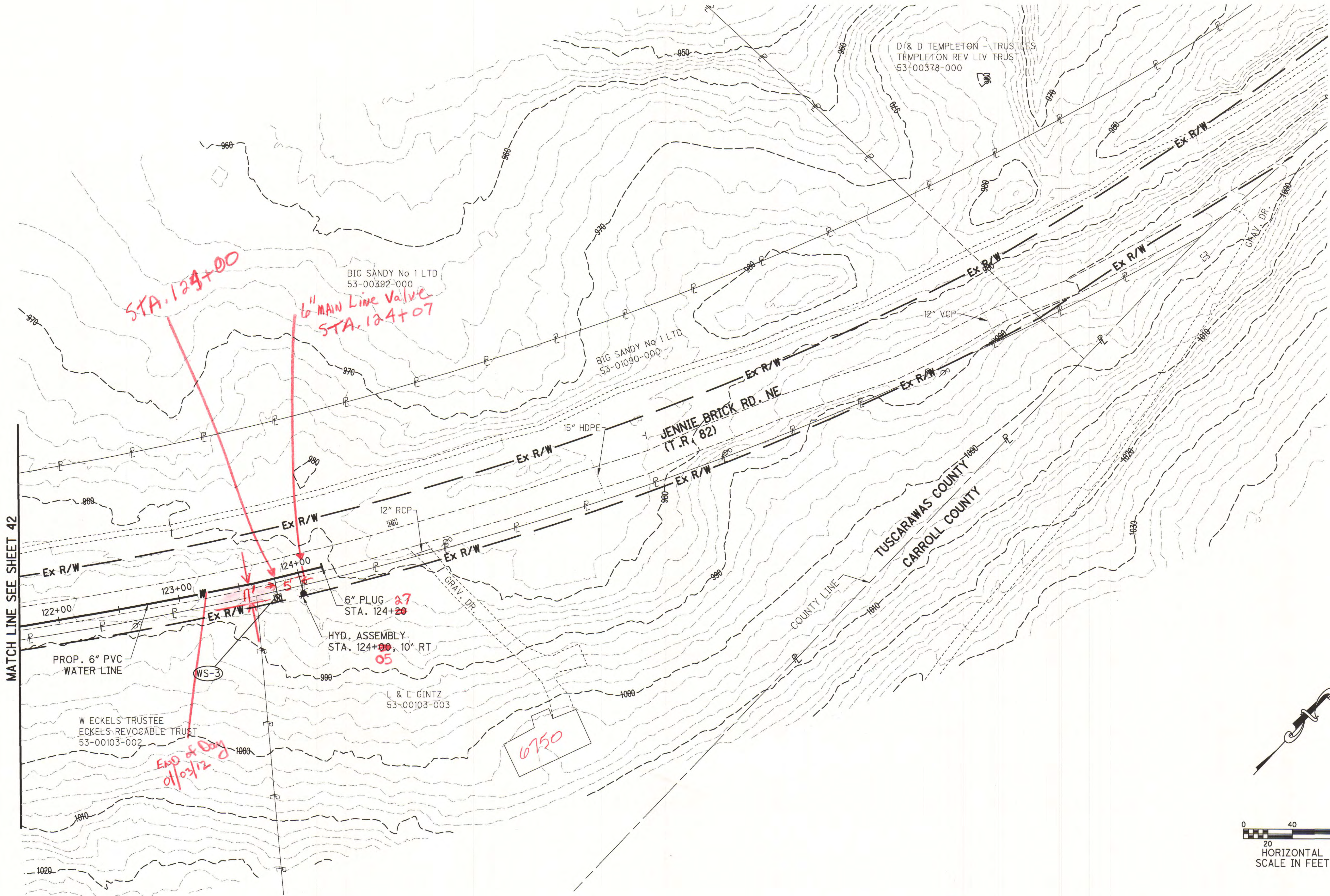
TCMSD
 SANDVILLE WATER TRANSMISSION LINE
 AND DISTRIBUTION SYSTEM

PLAN SHEET - JENNIE BRICK RD. NE

NO.	DATE	DESCRIPTION	BY

Prepared under the Responsible Charge of: MBJ
 File No. 0313-02
 Sheet No. 42

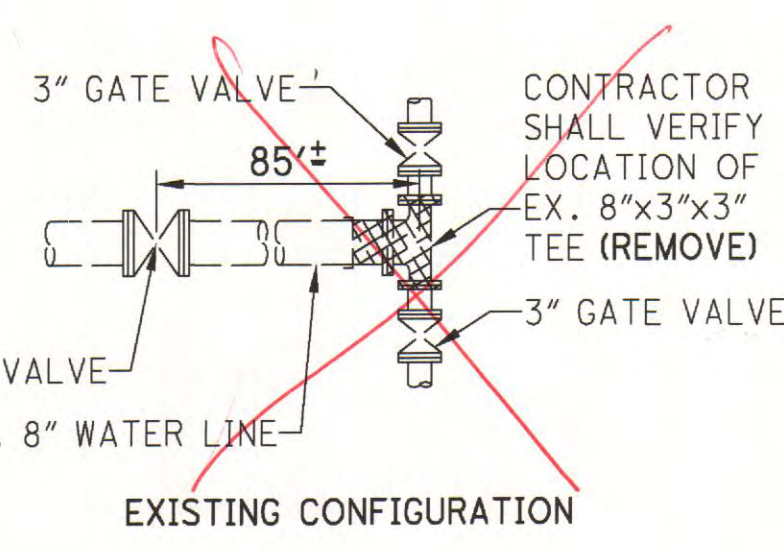
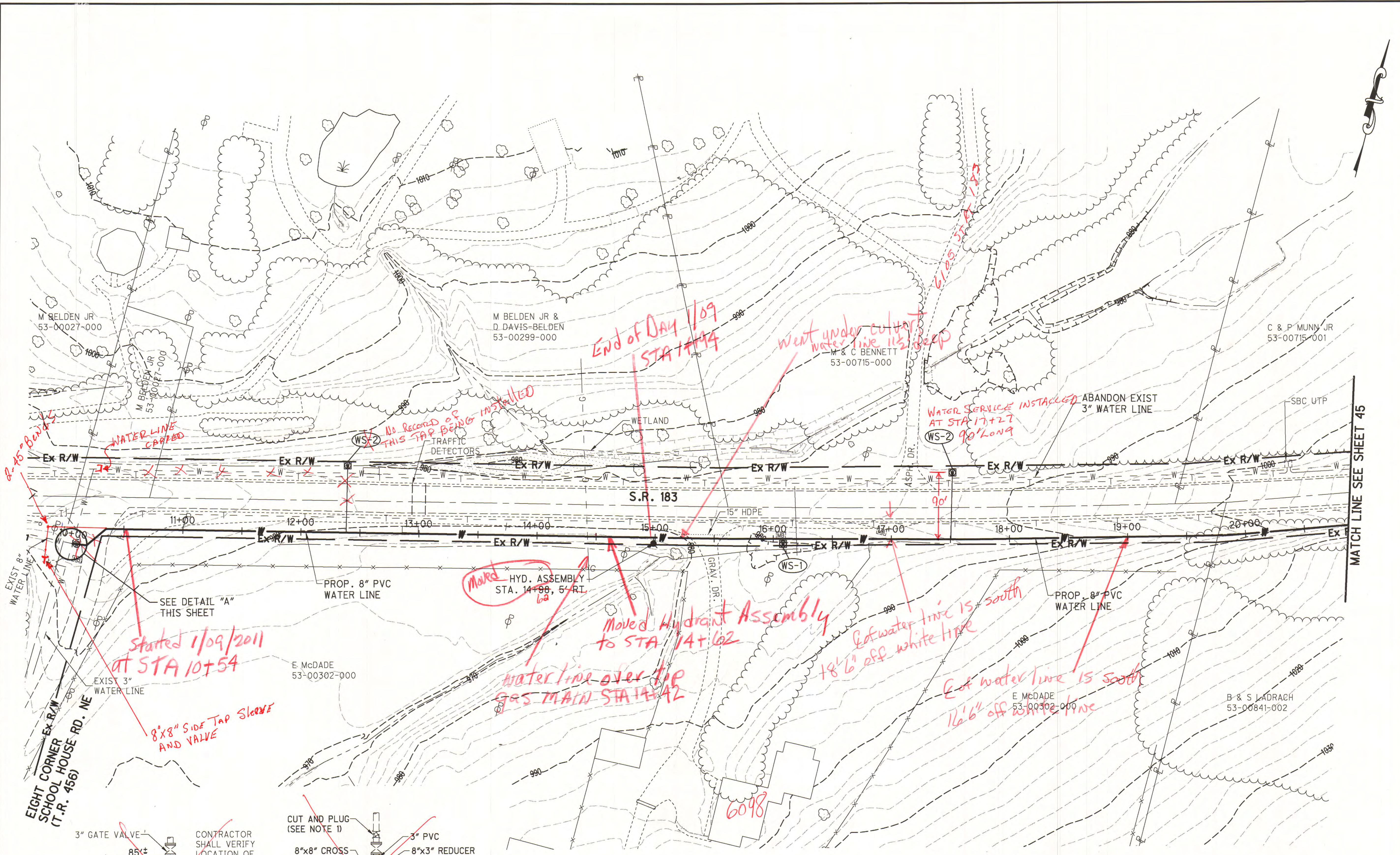
O:\2003\0313\DWG\0313GP-JB011.dwg - Jul 18, 2011 - 3:30pm



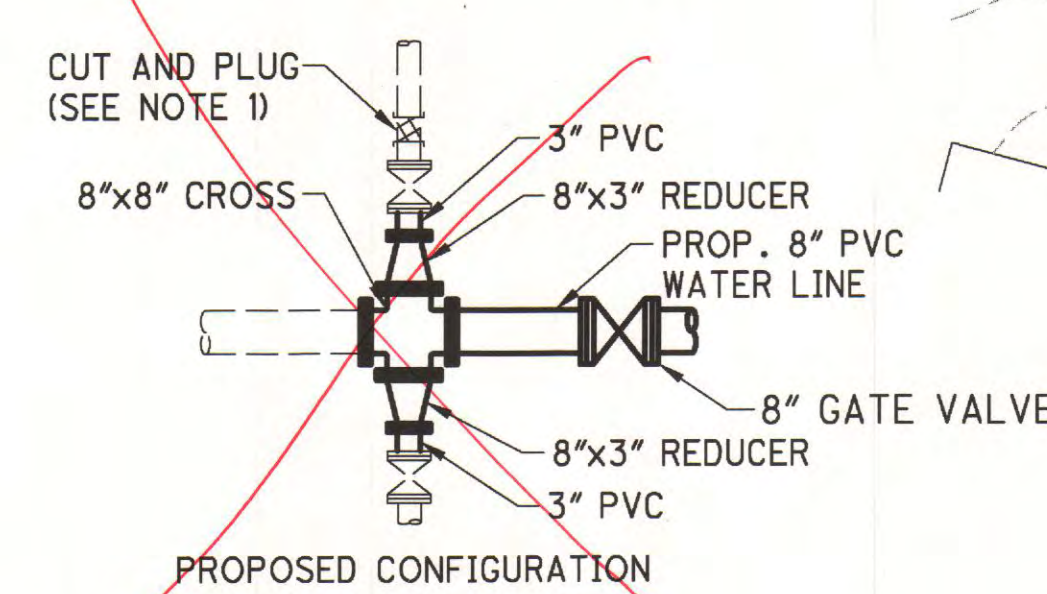
MATCH LINE SEE SHEET 42

Prepared under the Responsible Charge of:	MBJ	NO.	DATE	DESCRIPTION	BY
	File No. 0313-02				
Sheet No. 43					
TCMSD WATER TRANSMISSION LINE AND DISTRIBUTION SYSTEM		PLAN SHEET - JENNIE BRICK RD. NE			
W.E. QUICKSALL AND ASSOCIATES, INC. CIVIL ENGINEERS New Philadelphia, Ohio		Drawn TJS/KVS	Checked MBJ	Date 1/2010	Reviewed JMW

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CONTRACTOR SHALL VERIFY LOCATION OF EX. 8"x3"x3" TEE (REMOVE)



DETAIL "A"
NOT TO SCALE

- NOTES**
- UPON TESTING AND APPROVAL OF NEW WATER MAIN AND SERVICES, ABANDON EXISTING 3" WATER LINE TO THE NORTH. CLOSE EXISTING VALVE AND REMOVE EXISTING VALVE BOX.

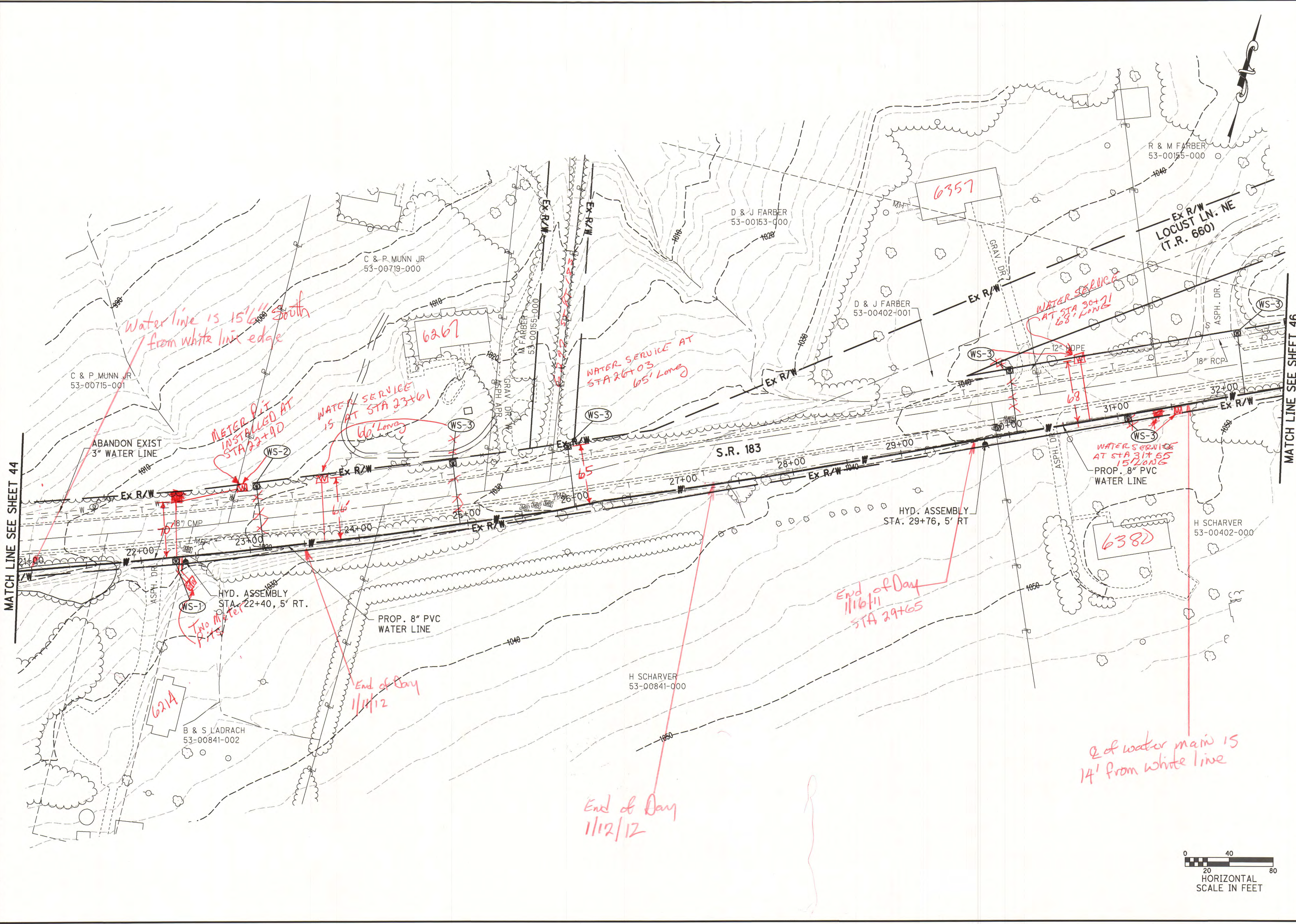


<p>W.E. QUICKSALL AND ASSOCIATES, INC. CIVIL ENGINEERS New Philadelphia, Ohio</p>		<p>Drawn: TJS/KVS Checked: MBJ Date: 1/2010 Scale: AS NOTED Reviewed: JMW</p>
<p>TCMSD SANDYVILLE WATER TRANSMISSION LINE AND DISTRIBUTION SYSTEM</p>		
<p>PLAN SHEET - S.R. 183</p>		
<p>Prepared under the Responsible Charge of:</p>	<p>MBU</p>	<p>NO. DATE</p>
<p>File No. 0313-02</p>	<p>DESCRIPTION</p>	<p>BY</p>
<p>Sheet No. 44</p>		

MATCH LINE SEE SHEET 45

O:\2003\0313\DWG\0313GP-SR183-002.dwg - Jul 18, 2011 - 3:36pm

MATCH LINE SEE SHEET 44



MATCH LINE SEE SHEET 46

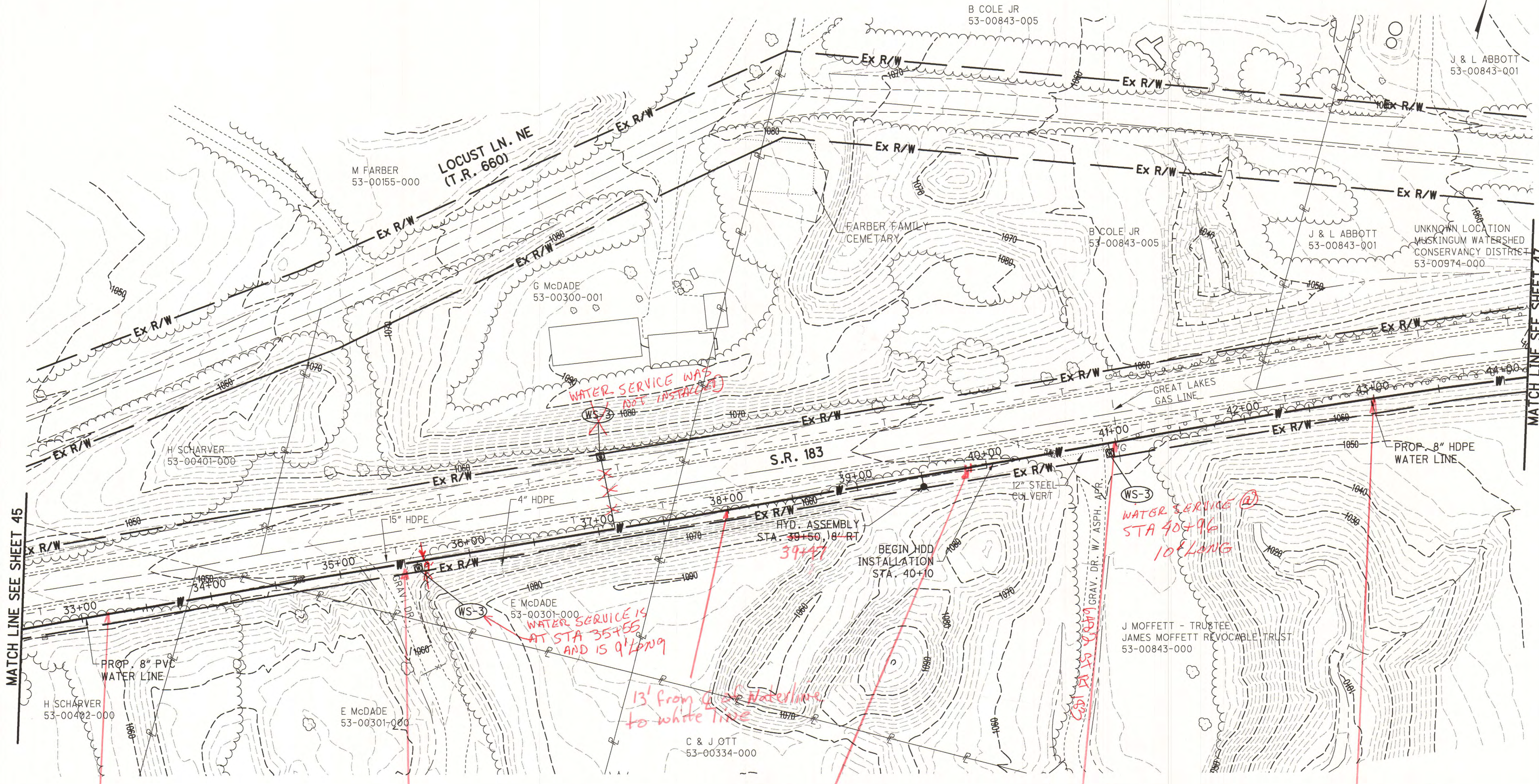


Prepared under the Responsible Charge of:		MBJ	DATE	NO.	DESCRIPTION	BY
File No.		0313-02				
Sheet No.		45				
Drawn		TJS/KVS	Checked	MBJ	Scale	AS NOTED
Date		1/2010	Reviewed	JMW	W.E. QUICKSALL AND ASSOCIATES, INC. CIVIL ENGINEERS New Philadelphia, Ohio	
TCMSD SANDVILLE WATER TRANSMISSION LINE AND DISTRIBUTION SYSTEM PLAN SHEET - S.R. 183						

O:\2003\0313\DWG\0313GP-SR183-003.dwg - Jul 18, 2011 - 3:38pm

MATCH LINE SEE SHEET 45

MATCH LINE SEE SHEET 47



End of Dam
33+20
1/17/12

Water line over top two gas mains
19' of watermain to white line

8" m.j. Coupling
8" C-900 Steps and
8" HDPE Pipe starts
STA 39+72

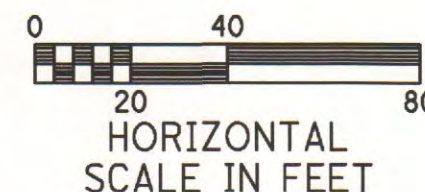
19' off white line
15' of water main

14' off white line 7' depth
15' of water main

WATER SERVICE WAS NOT INSTALLED

WATER SERVICE IS AT STA 35+55 AND IS 9' LONG

WATER SERVICE @ STA 40+96 10' LONG

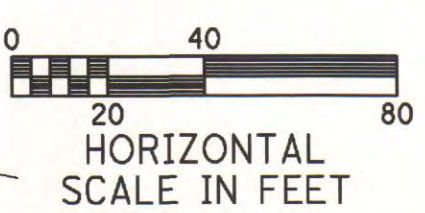
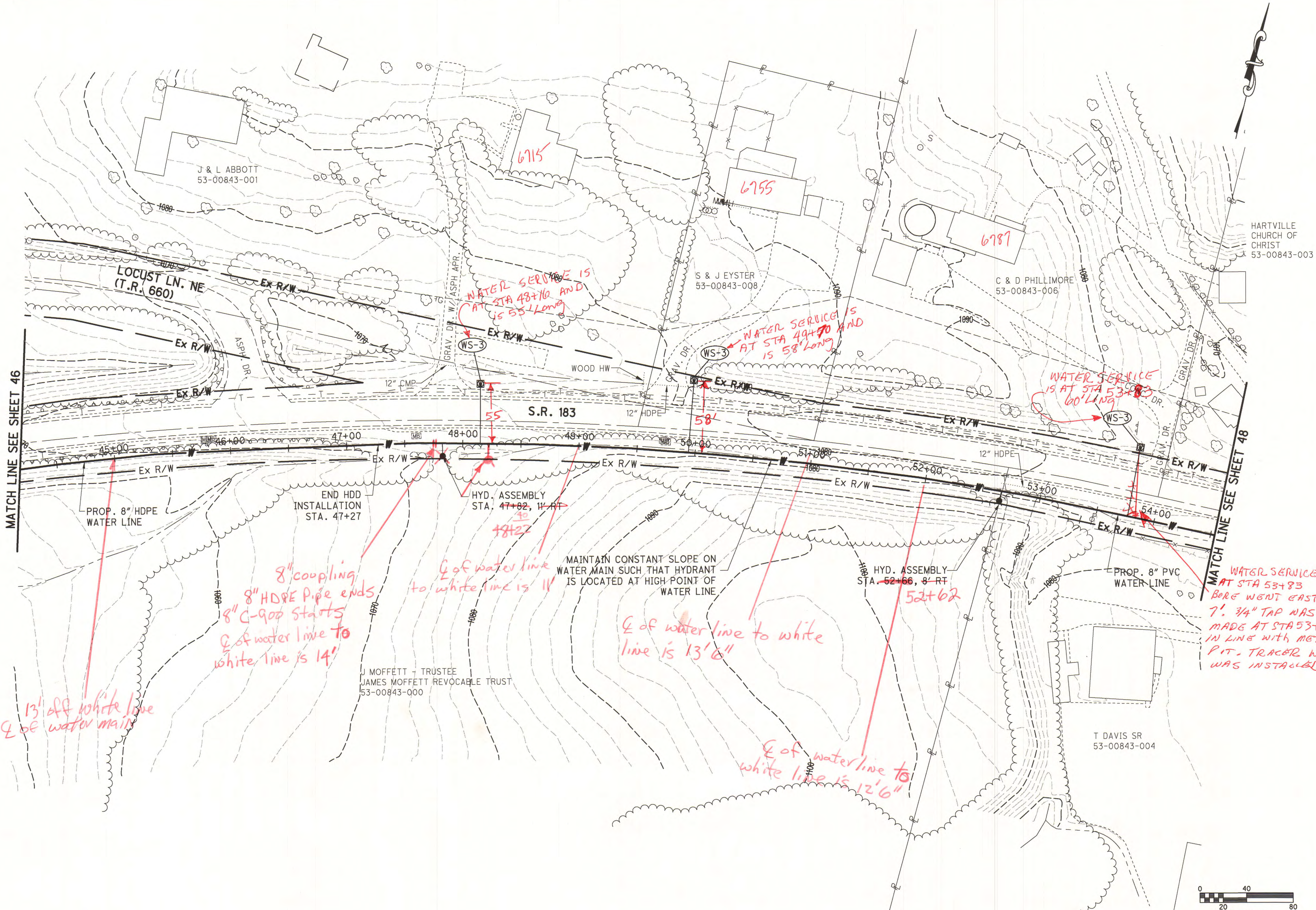


W.E. QUICKSALL AND ASSOCIATES, INC. CIVIL ENGINEERS New Philadelphia, Ohio		Date: 1/2010 Checked: MBJ Drawn: TJS/KVS	Scale: AS NOTED Reviewed: JMW
TCMSD SANDYVILLE WATER TRANSMISSION LINE AND DISTRIBUTION SYSTEM		PLAN SHEET - S.R. 183	
Prepared under the Responsible Charge of:	MBJ	NO.	DATE
File No.	0313-02	NO.	DATE
Sheet No.	46	DESCRIPTION	BY

O:\2003\0313\DWG\0313GP-SR183-004.dwg - Jul 18, 2011-3:39pm

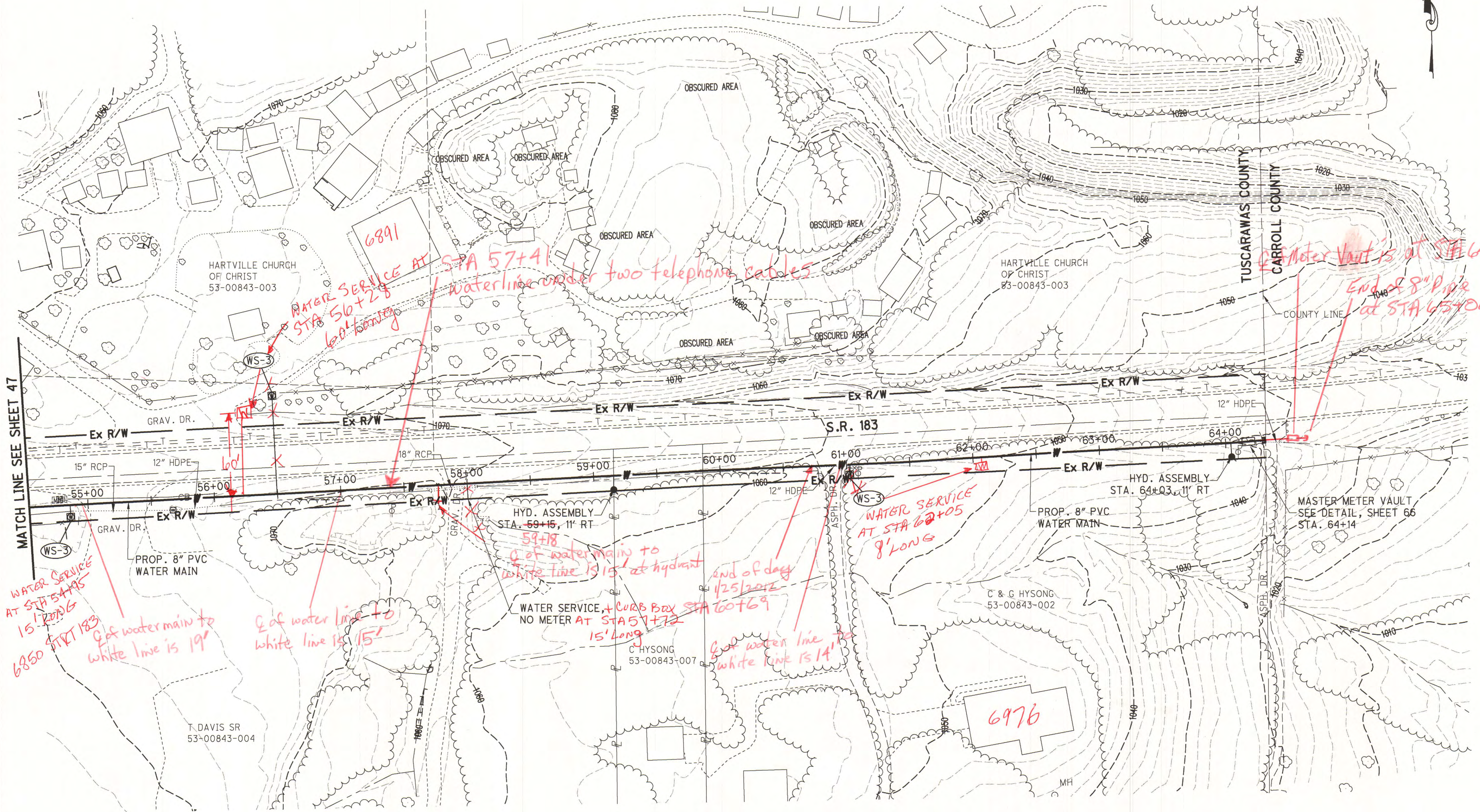
MATCH LINE SEE SHEET 46

MATCH LINE SEE SHEET 48



Prepared under the responsible charge of:		MBJ	NO.	DATE	DESCRIPTION	BY
File No.		0313-02				
Sheet No.		47				
Drawn		TJS/KVS	PLAN SHEET - S.R. 183		TCMSD SANDYVILLE WATER TRANSMISSION LINE AND DISTRIBUTION SYSTEM	
Checked		MBJ	PLAN SHEET - S.R. 183		TCMSD SANDYVILLE WATER TRANSMISSION LINE AND DISTRIBUTION SYSTEM	
Date		1/2010	PLAN SHEET - S.R. 183		TCMSD SANDYVILLE WATER TRANSMISSION LINE AND DISTRIBUTION SYSTEM	
Scale		AS NOTED	PLAN SHEET - S.R. 183		TCMSD SANDYVILLE WATER TRANSMISSION LINE AND DISTRIBUTION SYSTEM	
Reviewed		JMW	PLAN SHEET - S.R. 183		TCMSD SANDYVILLE WATER TRANSMISSION LINE AND DISTRIBUTION SYSTEM	
Civil Engineers		W.E. QUICKSAIL AND ASSOCIATES, INC.		New Philadelphia, Ohio		

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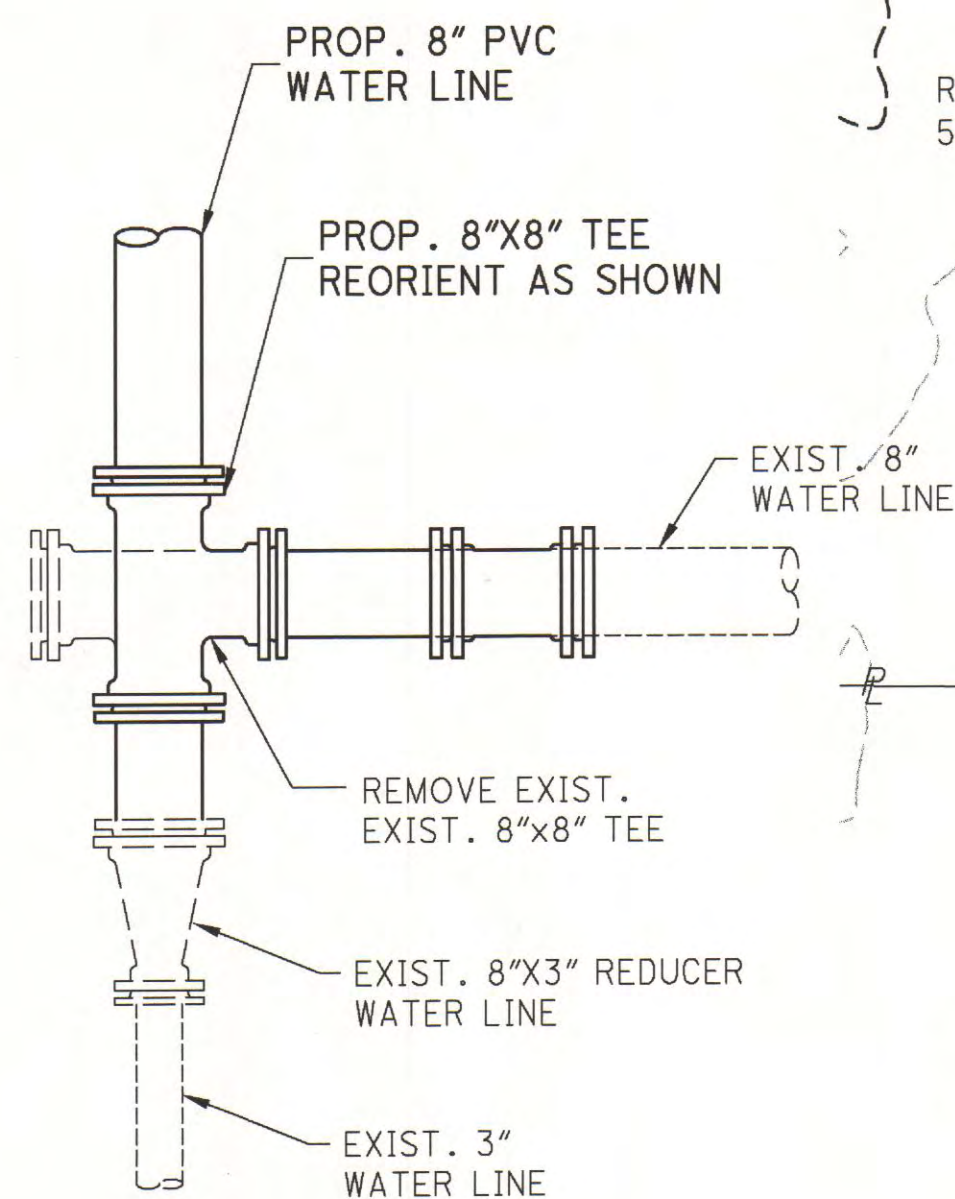
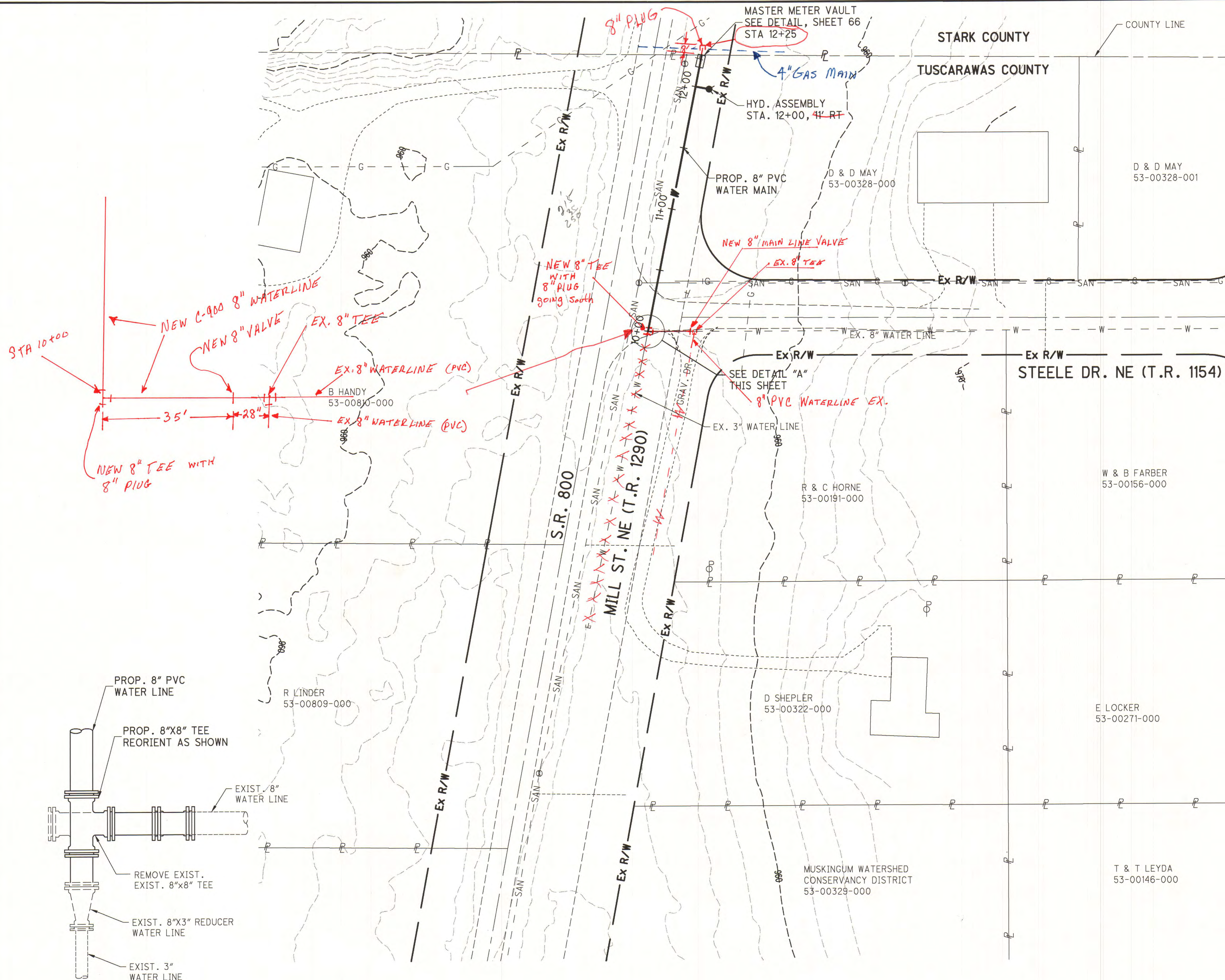


MATCH LINE SEE SHEET 47



Prepared under the Responsible Charge of:	DWL	NO.	DATE	DESCRIPTION	BY
	File No. 0313-02				
Sheet No. 48					
PLAN SHEET - S.R. 183					
SANDYVILLE WATER TRANSMISSION LINE AND DISTRIBUTION SYSTEM					
TCMSD					
W.E. QUICKSAIL AND ASSOCIATES, INC. CIVIL ENGINEERS New Philadelphia, Ohio					
Drawn	TJS/KYS	Checked	MBJ	Date	03/2008
Scale	AS NOTED	Date	03/2008	Reviewed	DWL

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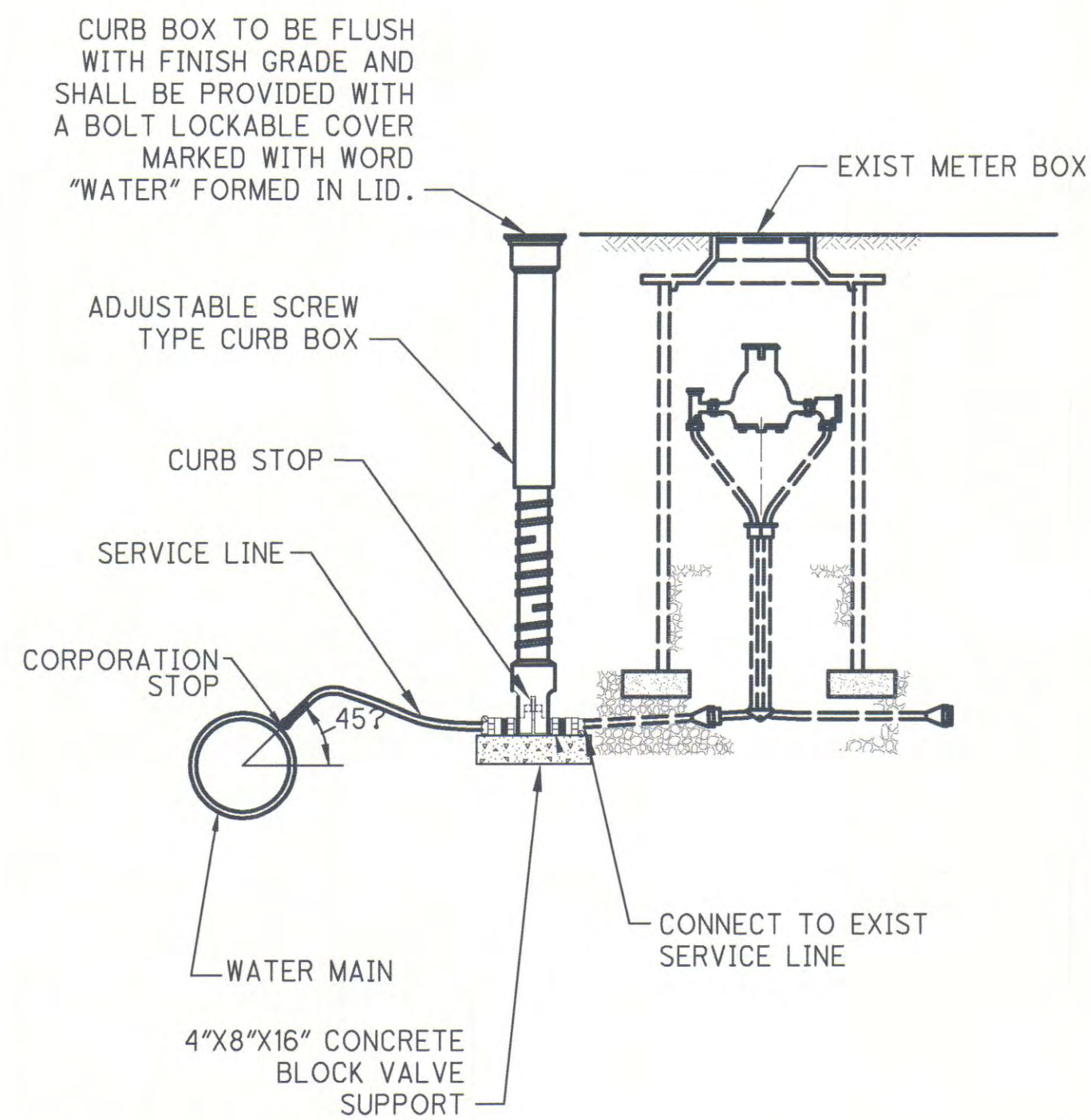


DETAIL "A"
NOT TO SCALE



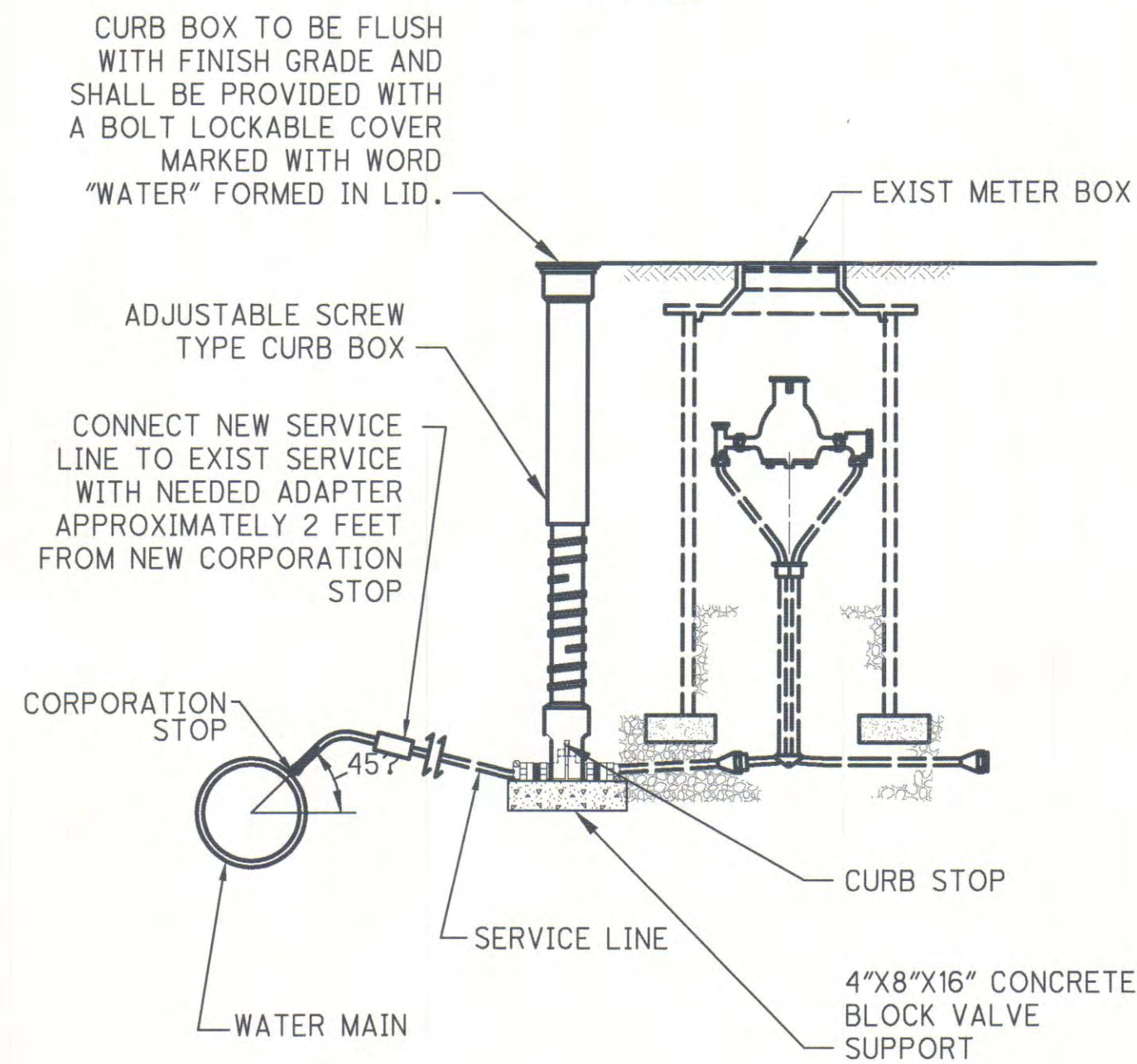
W.E. QUICKSALL AND ASSOCIATES, INC. CIVIL ENGINEERS New Philadelphia, Ohio		Drawn TJS/KYS	Checked MBU	Date 1/2010	Scale AS NOTED	Reviewed JMW
TCMSD SANDYVILLE WATER TRANSMISSION LINE AND DISTRIBUTION SYSTEM						
PLAN SHEET - S.R. 800						
Prepared under the Responsible Charge of:	MBJ	File No.	0313-02	NO.	DATE	DESCRIPTION
Sheet No. 49						

WATER SERVICE CONNECTION, TYPE 1
NOT TO SCALE



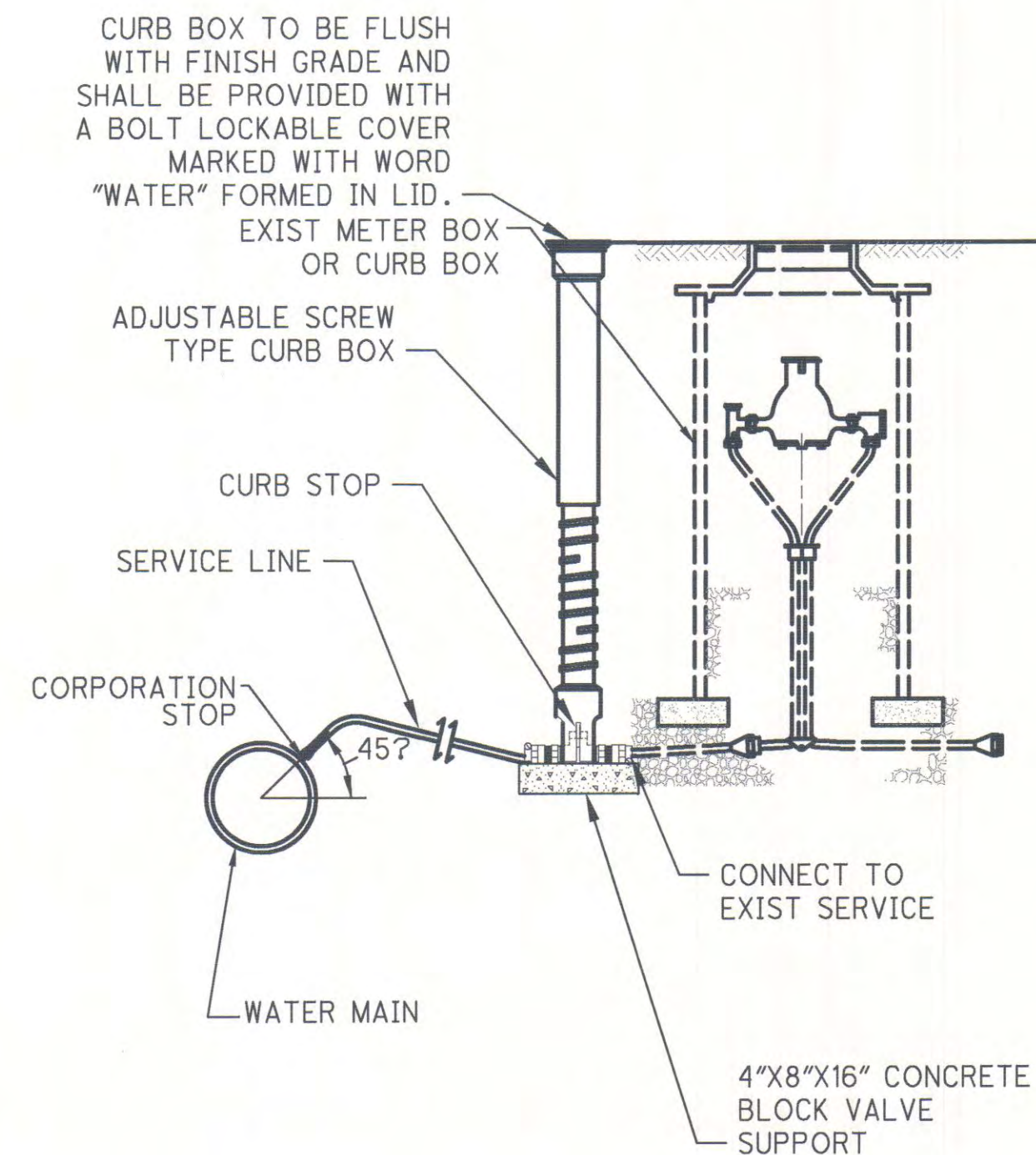
SANDY-SD-140A
REV. 12-08

WATER SERVICE CONNECTION, TYPE 2A
NOT TO SCALE



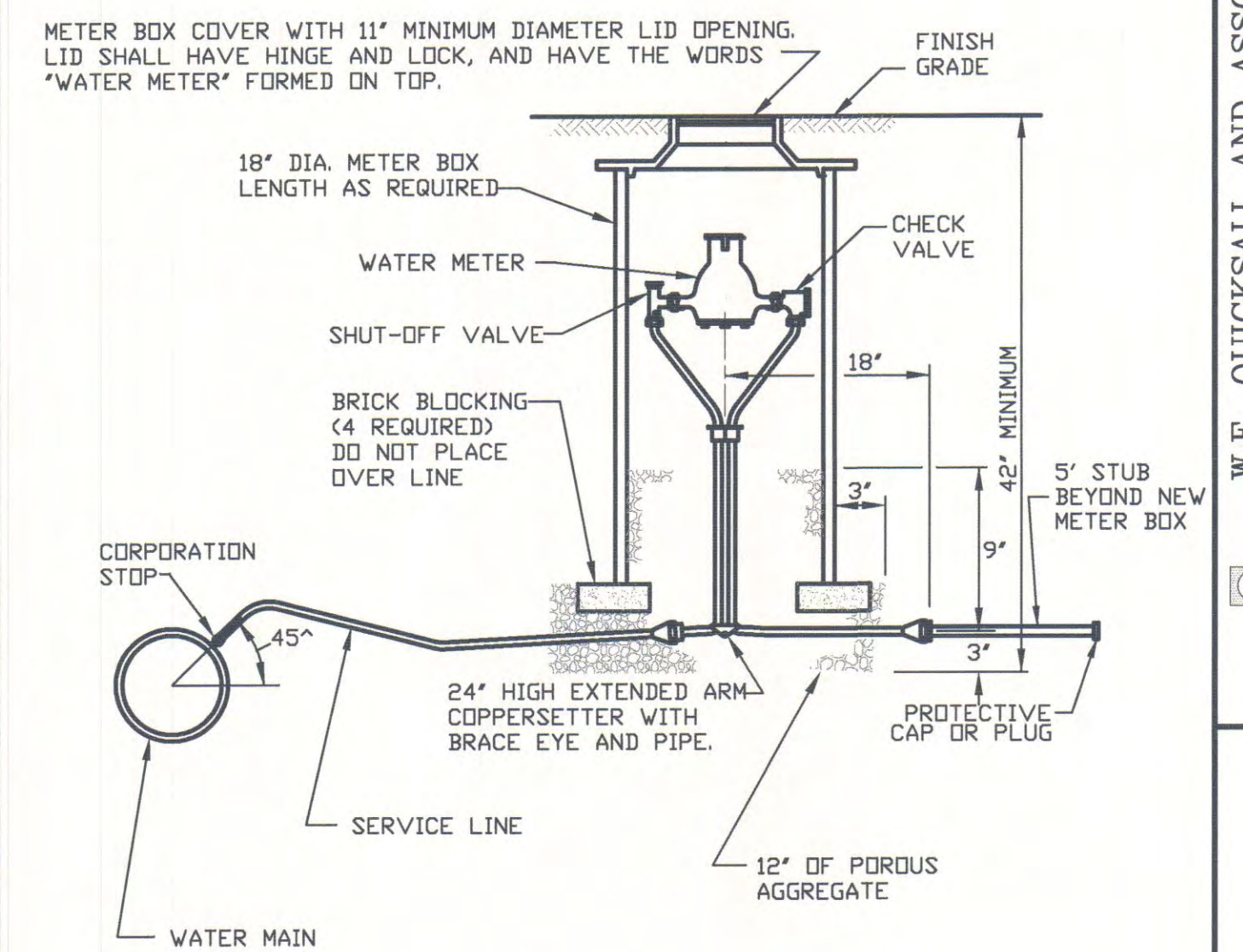
SANDY-SD-140B
REV. 12-08

WATER SERVICE CONNECTION, TYPE 2B
NOT TO SCALE



SANDY-SD-140C
REV. 12-08

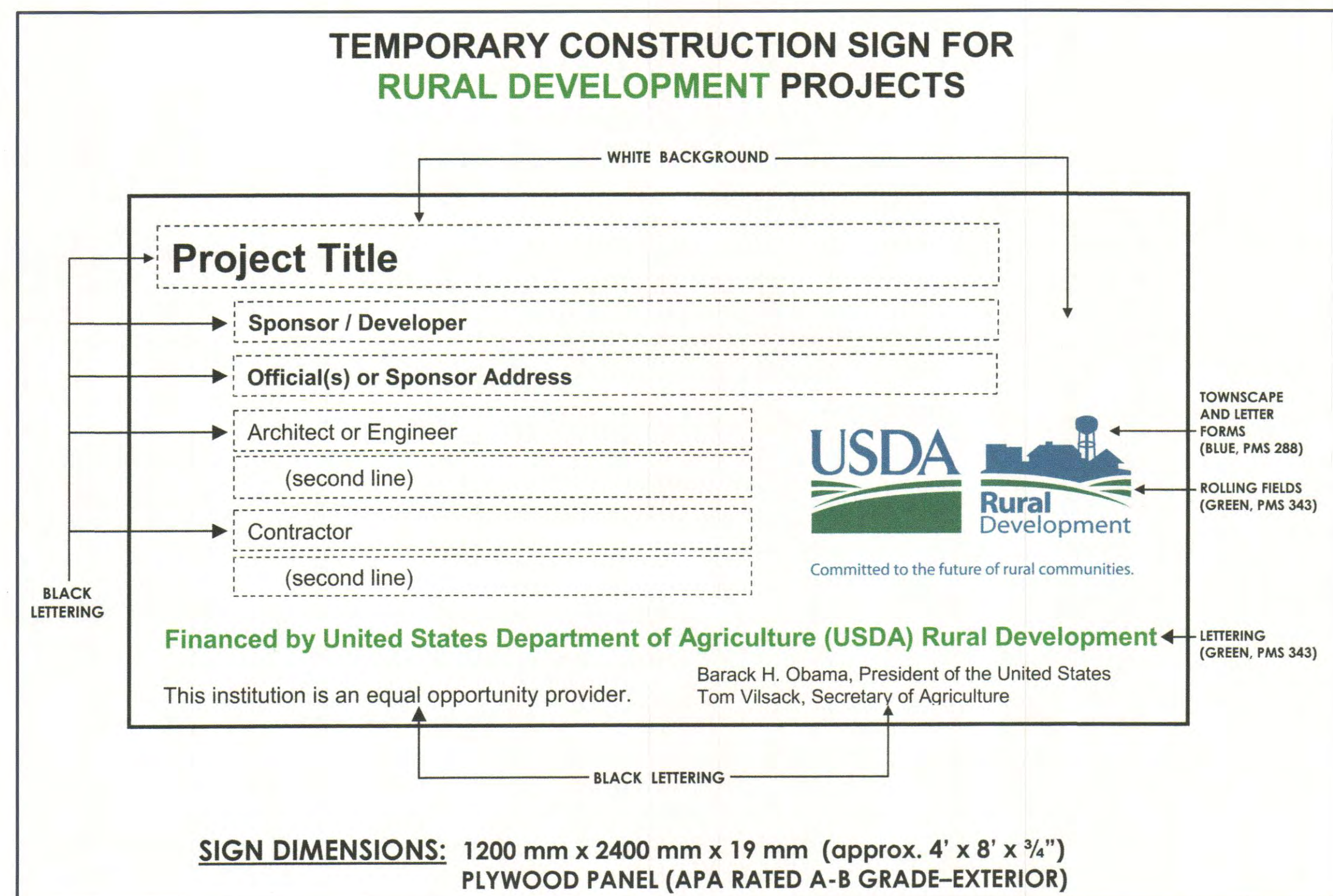
WATER SERVICE CONNECTION, TYPE 3
NOT TO SCALE



- NOTES:
1. SET METER BOX COVER FLUSH WITH GROUND SURFACE.
 2. PROVIDE A LOOP WITH SUFFICIENT SLACK TO PREVENT SERVICE LINE FROM BUCKLING OR PULLING OUT OF CORPORATION STOP DURING BACK FILLING AND SETTING.
 3. FOR CONNECTIONS ON THE OPPOSITE SIDE OF THE STREET AS THE WATER MAIN, THE SERVICE LINE SHALL BE JACKED UNDER ROAD.

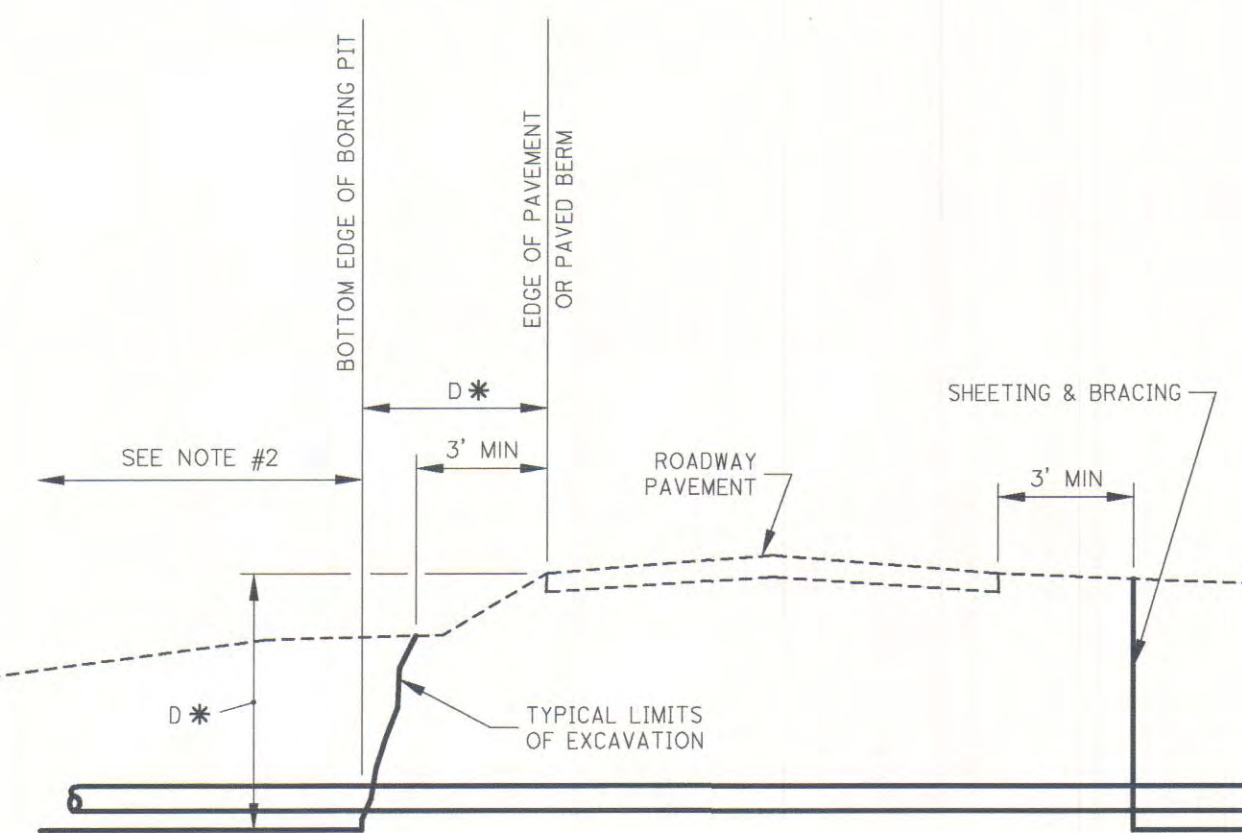
SANDY-SD-140D
REV. 12-08

PROJECT SIGN DETAILS U.S.D.A.



SANDY-SD-142
REV. 1-09

TYPICAL BORING DETAIL
NOT TO SCALE

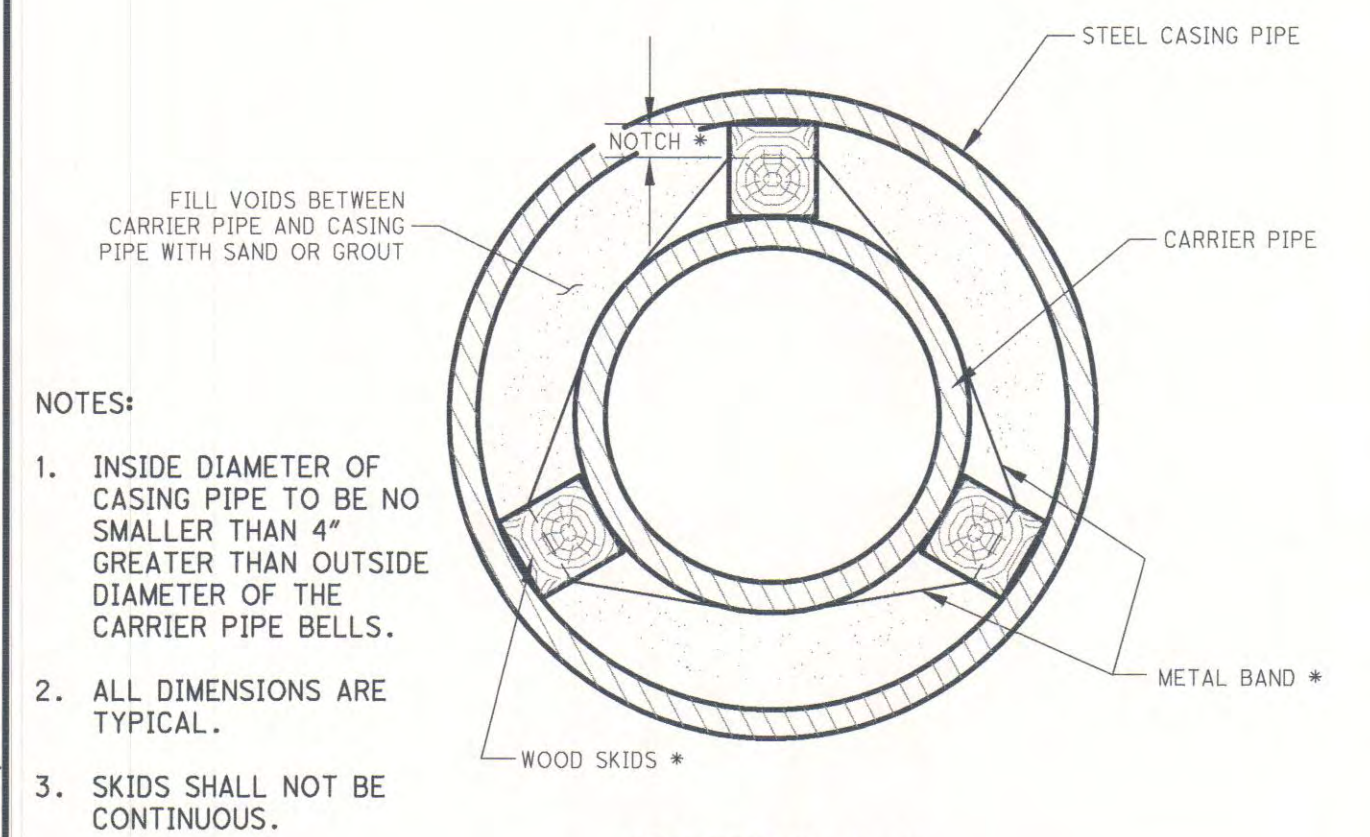


* THE BOTTOM EDGE OF BORING PIT OR TRENCH IS TO BE NO CLOSER TO THE EDGE OF PAVEMENT OR PAVED BERM THAN THE DEPTH BELOW PAVEMENT, UNLESS APPROVED SHEETING AND BRACING IS INSTALLED.

- NOTES:
1. IF A CASING IS INSTALLED, FILL THE VOIDS PROPERLY. (SEE SPECIFICATIONS AND SD-152.)
 2. LIMITS OF BORING PIT NOT TO EXCEED LENGTH OF BORING EQUIPMENT PLUS ONE LENGTH OF PIPE OR AS SHOWN ON THE PLANS.

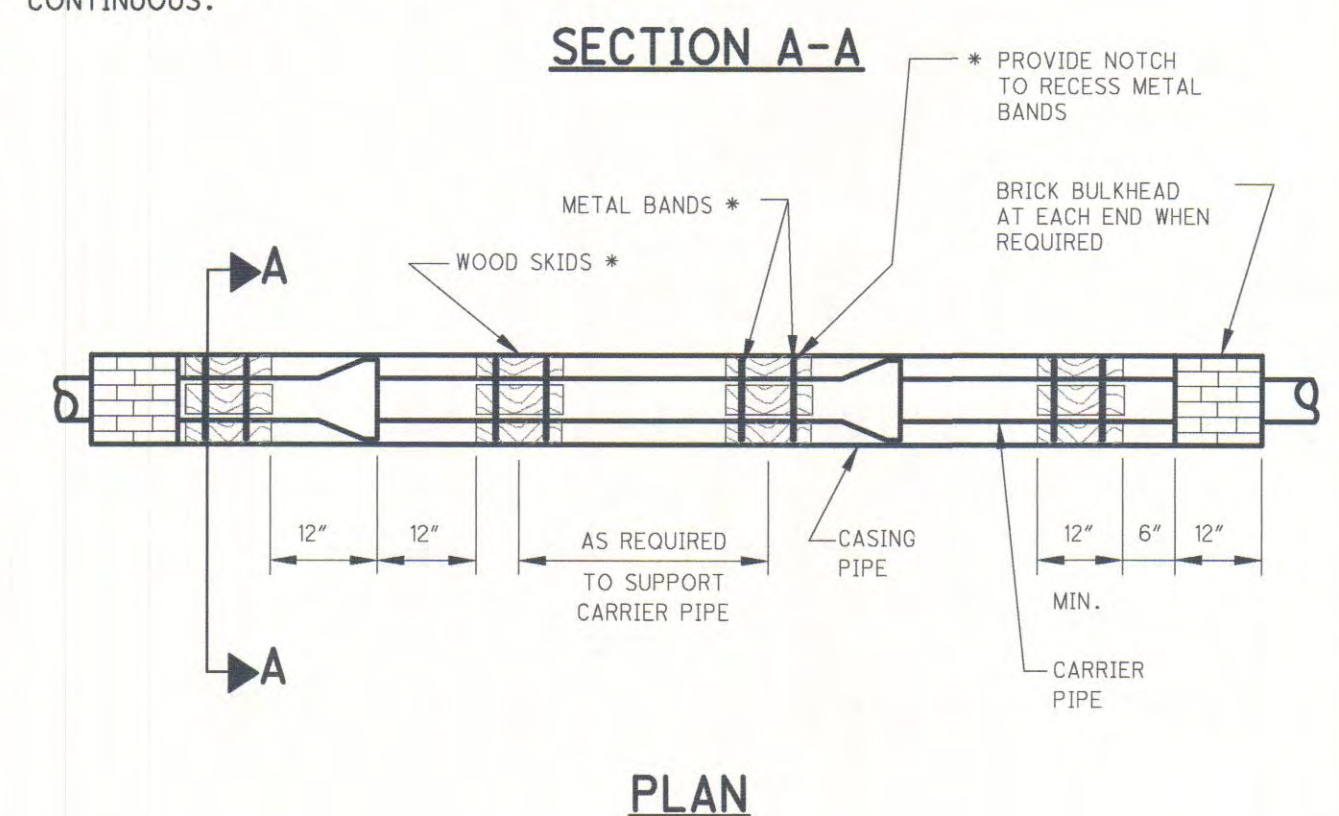
SD-151
REV. 2-92

CARRIER/CASING PIPE DETAIL
NOT TO SCALE



NOTES:

1. INSIDE DIAMETER OF CASING PIPE TO BE NO SMALLER THAN 4" GREATER THAN OUTSIDE DIAMETER OF THE CARRIER PIPE BELLS.
2. ALL DIMENSIONS ARE TYPICAL.
3. SKIDS SHALL NOT BE CONTINUOUS.



* PLASTIC SPACERS MAY BE SUBSTITUTED FOR WOOD SKIDS AND METAL BANDS. SHOP DRAWINGS MUST BE SUBMITTED FOR PLASTIC SPACERS.

SD-152
REV. 9-04

W.E. QUICKSALL AND ASSOCIATES, INC.
 CIVIL ENGINEERS
 New Philadelphia, Ohio

TCMSD
 SANDYVILLE WATER TRANSMISSION LINE
 AND DISTRIBUTION SYSTEM

STANDARD DETAILS

Drawn	KVS
Checked	MBJ
Date	1/2010
Scale	AS NOTED
Reviewed	JMW

Prepared under the Responsible Charge of:	MBJ
File No.	0313-02
NO.	68
DATE	
DESCRIPTION	
BY	