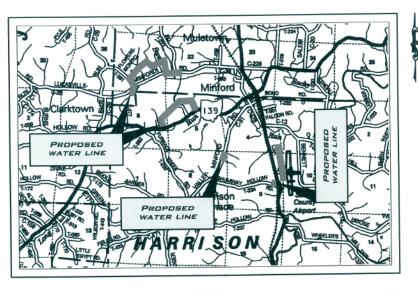
# LUCASVILLE-MINFORD ROAD, STATE ROUTE 139, SWAUGER VALLEY-MINFORD ROAD, & STATE ROUTE 335 WATER LINE RELOCATION SCIOTO COUNTY REGIONAL WATER DISTRICT SCIOTO COUNTY, OHIO

### LEGEND

Ex R/W
L-A R/W
PROP R/W
Temporary R/W
Construction Limits
Railroad Tracks
Ex / Prop Fence
Ex / Prop Ottch
Ex / Prop Storm
Ex Cable
Ex Electric
Ex Fiber Optics
Ex Gas
Ex Telephone
Ex Water
Prop Water
Ex Flush Hydrant
Prop Flush Hydrant
Prop Gate Valve



APPROVED BY:

SITE LOCATION MAP

### SHEET INDEX

 TITLE SHEET
 1

 PLAN AND PROFILE
 2-4

 LUCASVILLE-MINFORD ROAD
 2-4

 STATE ROUTE 139
 5

 SWAUGER VALLEY - MINFORD ROAD
 6

 SHUMWAY - HOLLOW ROAD
 6

 STATE ROUTE 335
 7

 WATER LINE DETAILS
 8-10



Stolland, /.

<u>3-11-11</u>

Leo B. Conkel, Jr., P.E. No. 57781

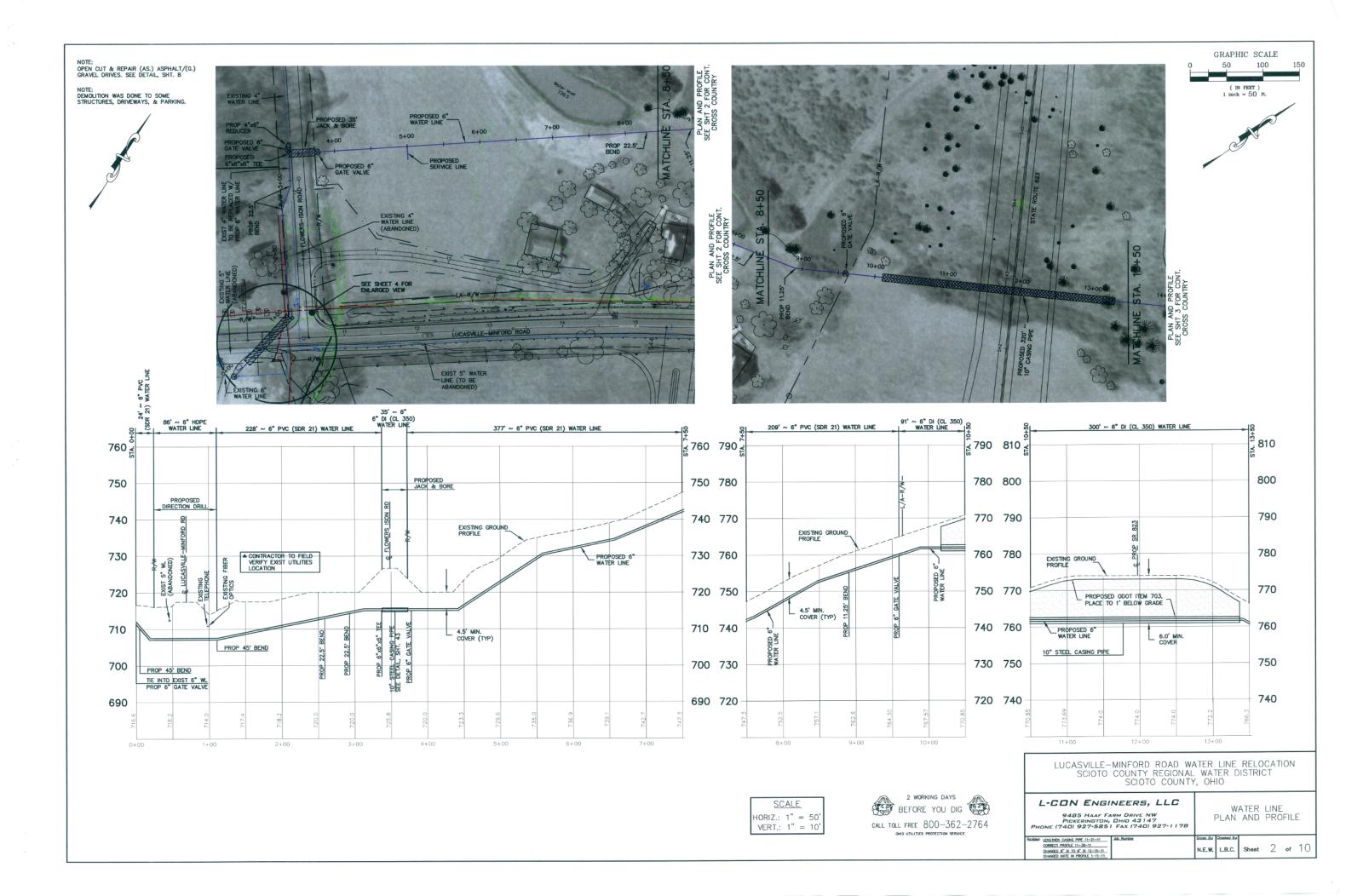
2 WORKING DAYS
BEFORE YOU DIG
CALL TOLL FREE 800-362-2764
OHO UTILITIES PROTECTION SERVICE

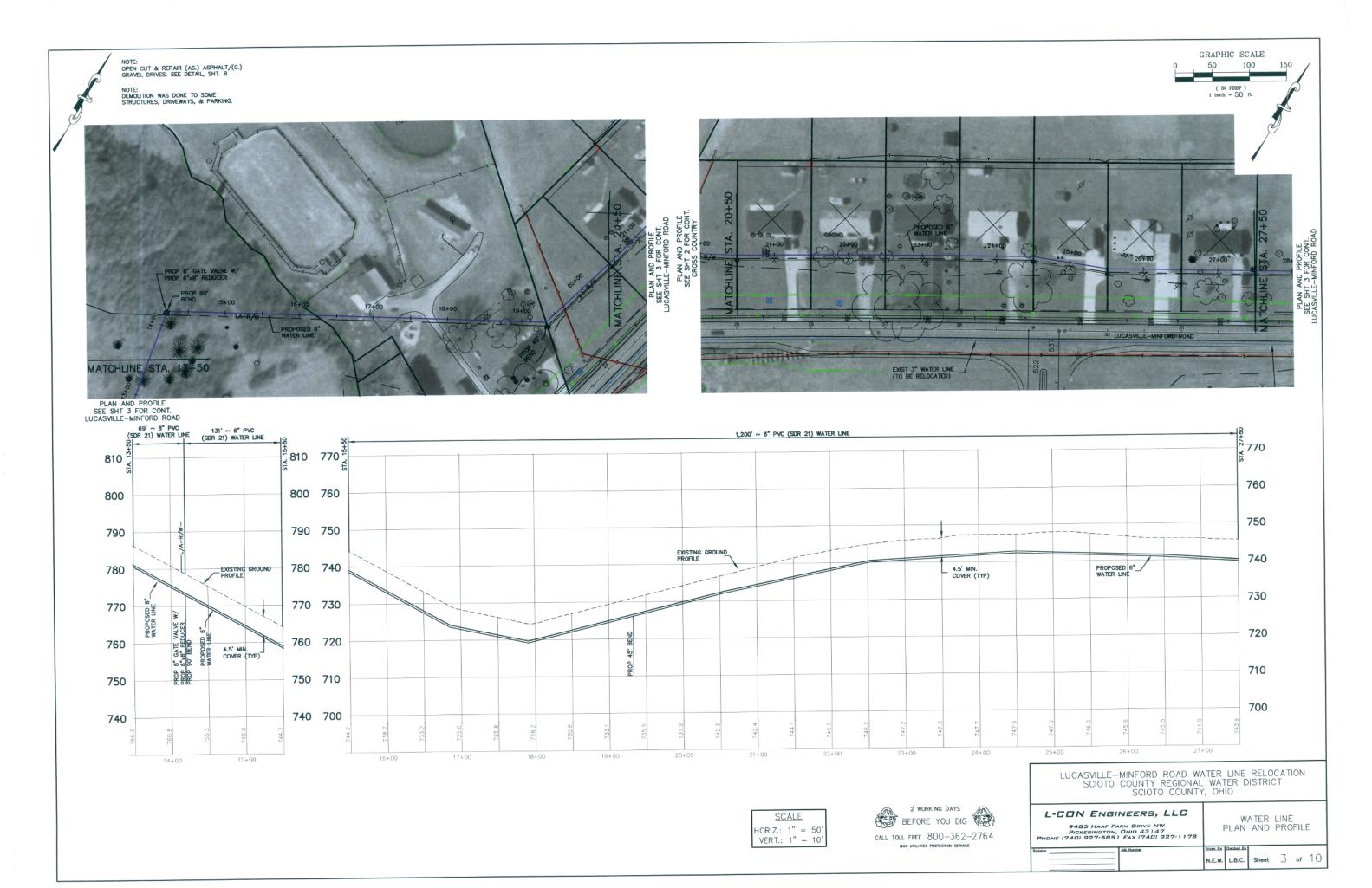
# L-CON ENGINEERS, LLC

9485 HAAF FARM DRIVE NW PICKERINGTON, DHID 43147 PHONE (740) 927-5851 FAX (740) 927-1178

TITLE SHEET

N.E.W. L.B.C. Sheet 1 of 10

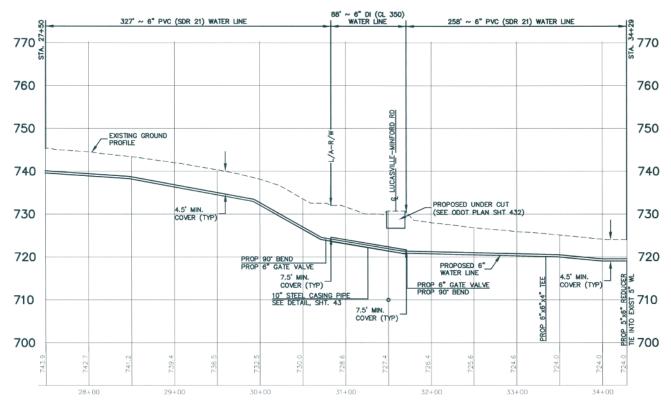


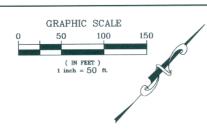


NOTE: DEMOLITION WAS DONE TO SOME STRUCTURES, DRIVEWAYS, & PARKING.











**SCALE** HORIZ.: 1" = 50' VERT.: 1" = 10'

2 WORKING DAYS 2 WORKING DAYS
BEFORE YOU DIG CALL TOLL FREE 800-362-2764

LUCASVILLE-MINFORD ROAD WATER LINE RELOCATION SCIOTO COUNTY REGIONAL WATER DISTRICT SCIOTO COUNTY, OHIO

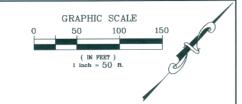
L-CON ENGINEERS, LLC

9485 HAAF FARM DRIVE NW PICKERINGTON, DHID 43147 PHDNE (740) 927-5851 FAX (740) 927-1178

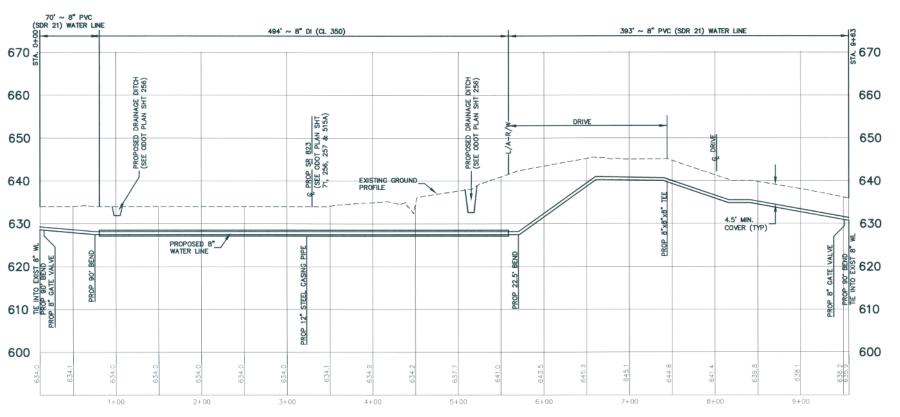
WATER LINE PLAN AND PROFILE

N.E.W. L.B.C. Sheet 4 of 10

NOTE: DEMOLITION WAS DONE TO SOME STRUCTURES, DRIVEWAYS, & PARKING.







SCALE

HORIZ.: 1" = 50 VERT.: 1" = 10 2 WORKING DAYS
BEFORE YOU DIG
CALL TOLL FREE 800-362-2764

STATE ROUTE 139 WATER LINE RELOCATION SCIOTO COUNTY REGIONAL WATER DISTRICT SCIOTO COUNTY, OHIO

L-CON ENGINEERS, LLC

9485 HAAF FARM DRIVE NW
PICKERINGTON, DHID 43147
PHONE (740) 927-5851 FAX (740) 927-1178

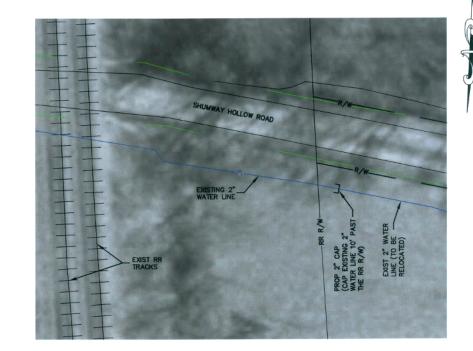
WATER LINE PLAN AND PROFILE

Number: December Considered Risk

N.E.W. L.B.C. Sheet 5 of 10

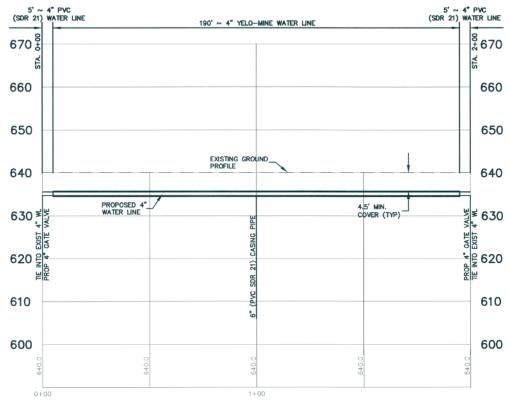


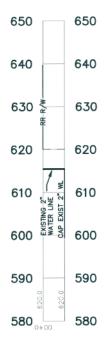




GRAPHIC SCALE

( IN FEET ) 1 inch - 20 ft.





**SCALE** HORIZ.: 1" = 20' VERT.: 1" = 10'

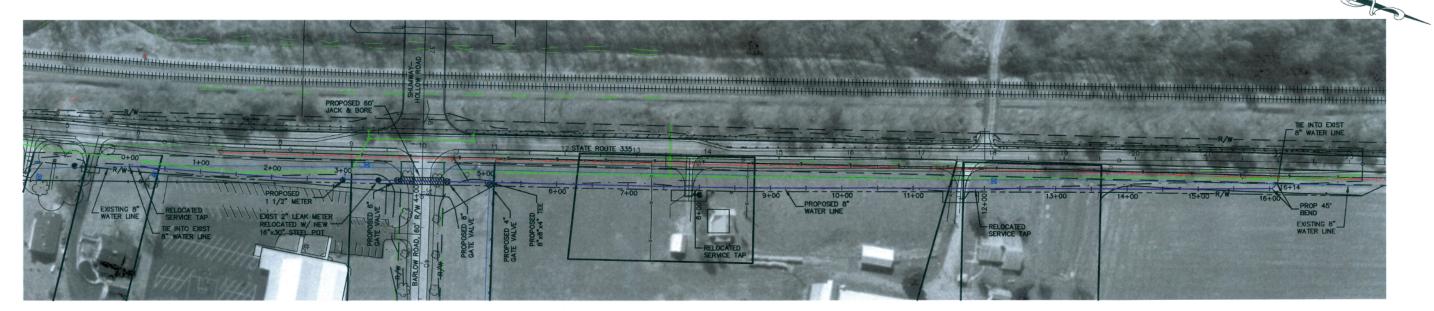
2 WORKING DAYS 2 WORKING DAYS
BEFORE YOU DIG CALL TOLL FREE 800-362-2764
OHO UTILITIES PROTECTION SERVICE

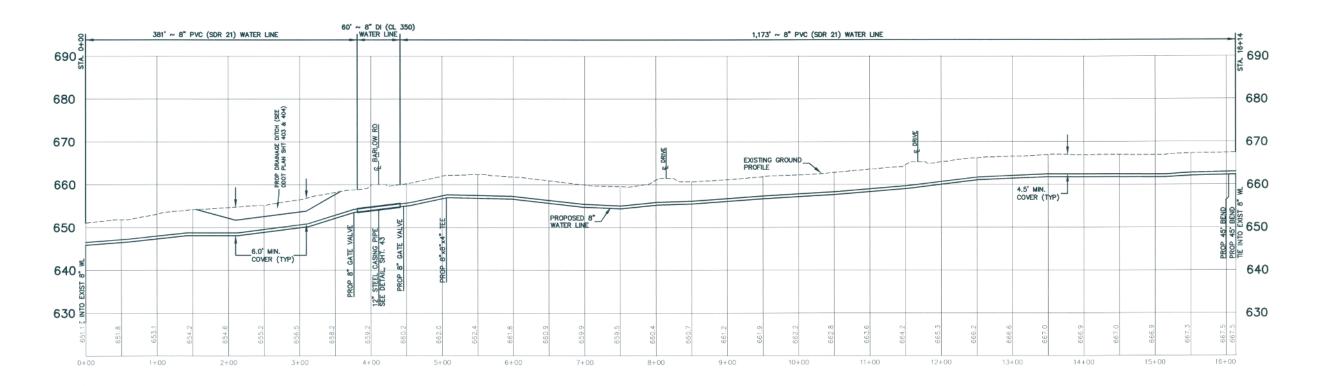
SWAUGER VALLY—MINFORD ROAD WATER LINE RELOCATION SCIOTO COUNTY REGIONAL WATER DISTRICT SCIOTO COUNTY, OHIO

N.E.W. L.B.C. Sheet 6 of 10

L-CON ENGINEERS, LLC  9485 HAAF FARM DRIVE NW PICKERINGTON, DHID 43147 PHONE (740) 927-5851 FAX (740) 927-1178	WATER LINE PLAN AND PROFILE

NOTE: DEMOLITION WAS DONE TO SOME STRUCTURES, DRIVEWAYS, & PARKING.





**SCALE** HORIZ.: 1" = 60' VERT.: 1" = 10'

2 WORKING DAYS 2 WORKING DAYS
BEFORE YOU DIG CALL TOLL FREE 800-362-2764

OHIO UTILITIES PROTECTION SERVICE

STATE ROUTE 335 WATER LINE RELOCATION SCIOTO COUNTY REGIONAL WATER DISTRICT SCIOTO COUNTY, OHIO

L-CON ENGINEERS, LLC 9485 HAAF FARM DRIVE NW PICKERINGTON, OHIO 43147 PHONE (740) 927-5851 FAX (740) 927-1178

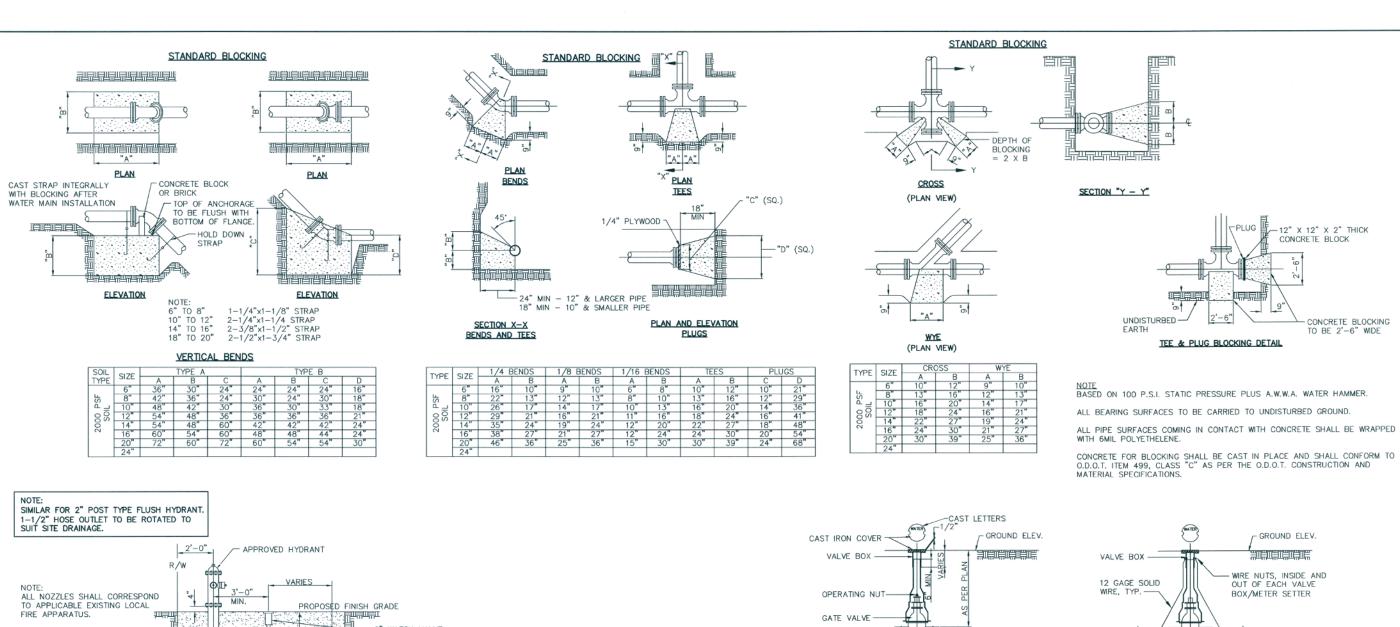
WATER LINE PLAN AND PROFILE

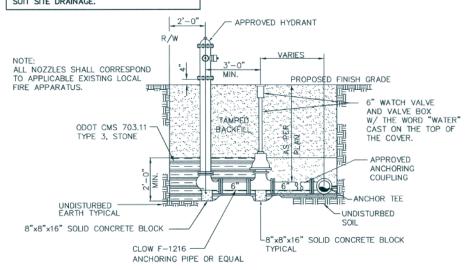
GRAPHIC SCALE

( IN FEET ) 1 inch = 60 ft.

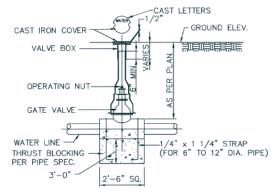
120

N.E.W. L.B.C. Sheet 7 of 10



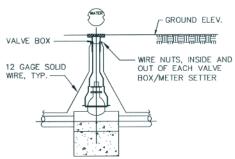


STANDARD HYDRANT ASSEMBLY - TYPE "A" PERPENDICULAR TO WATER MAIN NOT TO SCALE



## GATE VALVE INSTALLATION (12" MAX.) NOT TO SCALE

INSTALLATION OF VALVES UNDER PRESSURE CONDITIONS, ALL VALVES (INCLUDING THOSE IN HYDRANT RUN-OUTS) REQUIRE ANCHORAGE AGAINST THRUST CREATED WHEN VALVE IS CLOSED. JOINT RESTRAINTS ARE REQUIRED EACH DIRECTION FROM VALVE FOR A DISTANCE (L de), SEE JOINT RESTRAINT REQUIREMENTS FOR DEAD END LINES FOR THIS DISTANCE.



# TRACER WIRE TERMINATION DETAIL

- 1. 12 GAGE SOLID WIRE TO BE USED ON ALL PVC WATER LINE.
- 2. SIMILAR FOR ALL METER SETTER.



CONCRETE BLOCKING TO BE 2'-6" WDE



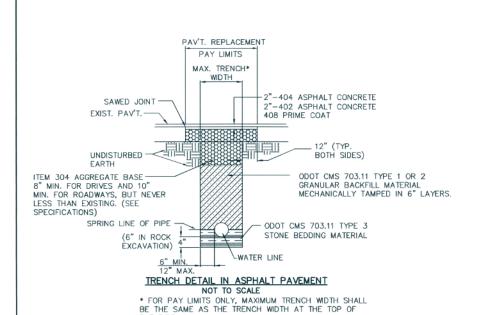
SHELDON-CARTRO ROAD WATER LINE EXTENSION SCIOTO COUNTY REGIONAL WATER DISTRICT SCIOTO COUNTY, OHIO

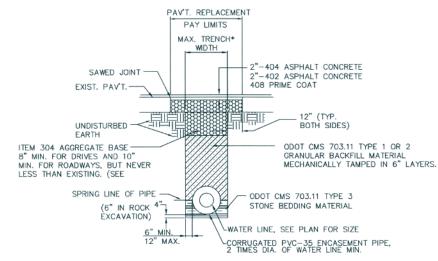
L-CON ENGINEERS, LLC

9485 HAAF FARM DRIVE NW PICKERINGTON, DHID 43147 PHONE (740) 927-5851 FAX (740) 927-1178

WATER LINE DETAILS

Sheet 8 of 10 N.E.W. L.B.C.

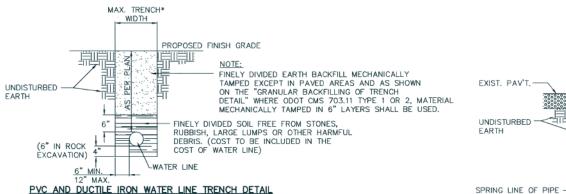




THE PIPE.

### TRENCH DETAIL IN ASPHALT PAVEMENT WITH ENCASEMENT

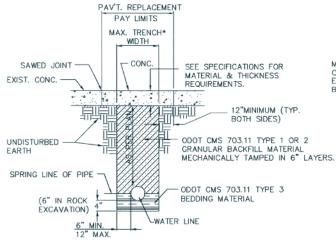
\* FOR PAY LIMITS ONLY, MAXIMUM TRENCH WIDTH SHALL BE THE SAME AS THE TRENCH WIDTH AT THE TOP OF



### PVC AND DUCTILE IRON WATER LINE TRENCH DETAIL

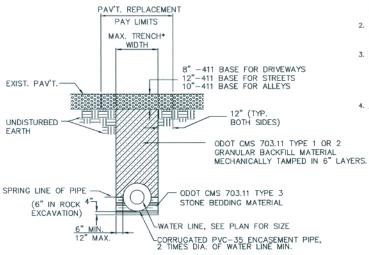
NOT TO SCALE

\* FOR PAY LIMITS ONLY, MAXIMUM TRENCH WIDTH SHALL
BE THE SAME AS THE TRENCH WIDTH AT THE TOP OF



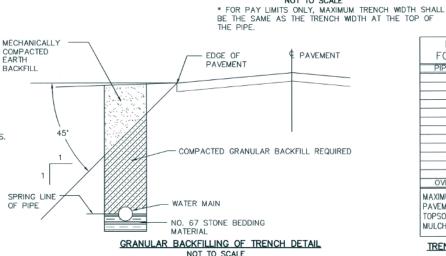
# TRENCH DETAIL IN CONCRETE PAVEMENT NOT TO SCALE

\* FOR PAY LIMITS ONLY, MAXIMUM TRENCH WIDTH SHALL BE THE SAME AS THE TRENCH WIDTH AT THE TOP OF



### TRENCH DETAIL IN GRANULAR PAVEMENT WITH ENCASEMENT

\* FOR PAY LIMITS ONLY, MAXIMUM TRENCH WIDTH SHALL BE THE SAME AS THE TRENCH WIDTH AT THE TOP OF



UNDISTURBED

(6" IN ROCK EXCAVATION)

EARTH

PAV'T. REPLACEMENT

MDTH

8" -411 BASE FOR DRIVEWAYS

BOTH SIDES)

ODOT CMS 703.11 TYPE 1 OR 2

MECHANICALLY TAMPED IN 6" LAYERS.

GRANULAR BACKFILL MATERIAL

12"-411 BASE FOR STREETS 10"-411 BASE FOR ALLEYS

ODOT CMS 703.11 TYPE 3 STONE BEDDING MATERIAL

WATER LINE

TRENCH DETAIL IN GRANULAR PAVEMENT

PAY LIMITS MAX. TRENCH\*

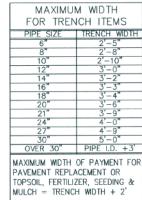
# GENERAL NOTES

- ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO SCIOTO COUNTY STANDARDS AND SPECIFICATIONS OR O.D.O.T. CONSTRUCTION AND MATERIAL SPECIFICATIONS.
- ALL WATER LINES UNDER AND WITHIN 5 FEET OF EXISTING OR PROPOSED PAVEMENT, SIDEWALKS AND DRIVEWAY AREAS SHALL BE BACKFILLED WITH GRANULAR MATERIAL CONFORMING TO OLD.CT. ITEM 703.
- 3. UTILITIES SHOWN ON THE PLANS HAVE BEEN OBTAINED BY FIELD CHECKS AND RESEARCH OF AVAILABLE RECORDS. IT IS BELIEVED THAT THE LOCATIONS SHOWN ARE REASONABLY CORRECT, BUT NEITHER SCIOTO COUNTY REGIONAL WATER DISTRICT NOR THE ENGINEER ENSURES THEIR ACCURACY OR COMPLETENESS. THE EXACT LOCATIONS AND PROTECTION OF ALL UTILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
- 4. OHIO E.P.A. WATERLINE REQUIREMENTS: THE OHIO ENVIRONMENTAL PROTECTION AGENCY REQUIRES CONFORMANCE TO THE LATEST EDITION OF THE "RECOMMENDED STANDARDS FOR WATERWORKS" ("10 STATES STANDARDS"). THIS STANDARD SHALL BE EQUALED OR EXCEEDED FOR THE WATERLINES. SPECIAL ATTENTION SHALL BE GIVEN TO THE FOLLOWING SECTIONS OF PART 8:

  - 8.0.1 MATERIALS CONFORM TO AWWA STANDARDS
    8.1.2 MINIMUM 6" DIAMETER FIRE PROTECTION
    8.5.3 MINIMUM 4.5" GROUND COVER
    8.5.5 PRESSURE TESTING AWWA C-600\*
    8.5.6 DISINFECTION AWWA C-651\*
    8.6.2 10" HORIZONTAL SEPARATION WATER MAIN/SEWER
    8.6.3 18" VERTICAL SEPARATION WATER MAIN/SEWER
    8.6.6 NO ENTRY AND/OR CONTACT WITH SEWER MANHOLE

NOTE: IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PERFORM THIS TEST PROPERLY AND THE RESPONSIBILITY FOR ADEQUATE SUPERNISION AND APPROVAL RESTS WITH THE APPROPRIATE GOVERNMENTAL AGENCY. ANY DEVIATION FROM THE ABOVE WILL NOT BE PERMITTED UNLESS OTHERWISE SPECIFICALLY INCLUDED IN THE GENERAL NOTES OR OTHERWISE SHOWN ON THESE PLANS.

CONTRACTOR TO OBTAIN SIGN—OFF FROM SCIOTO COUNTY ENGINEER, O.D.O.T., RAILROAD OFFICIALS AND TOWNSHIP TRUSTEES, FOR THEIR RESPECTIVE TRANSPORTATION AREAS.



### TRENCH WIDTH SCHEDULE

### LEGEND

COMPACTED EARTH BACKFILL

UNDISTURBED EARTH

ODOT CMS 703.11 TYPE 1 OR 2 GRANULAR BACKFILL

ODOT CMS 703.11 TYPE 3 STONE



ODOT 411 CRUSHED AGGREGATE



ODOT 304 AGGREGATE BASE



2 WORKING DAYS BEFORE YOU DIG



CALL TOLL FREE 800-362-2764

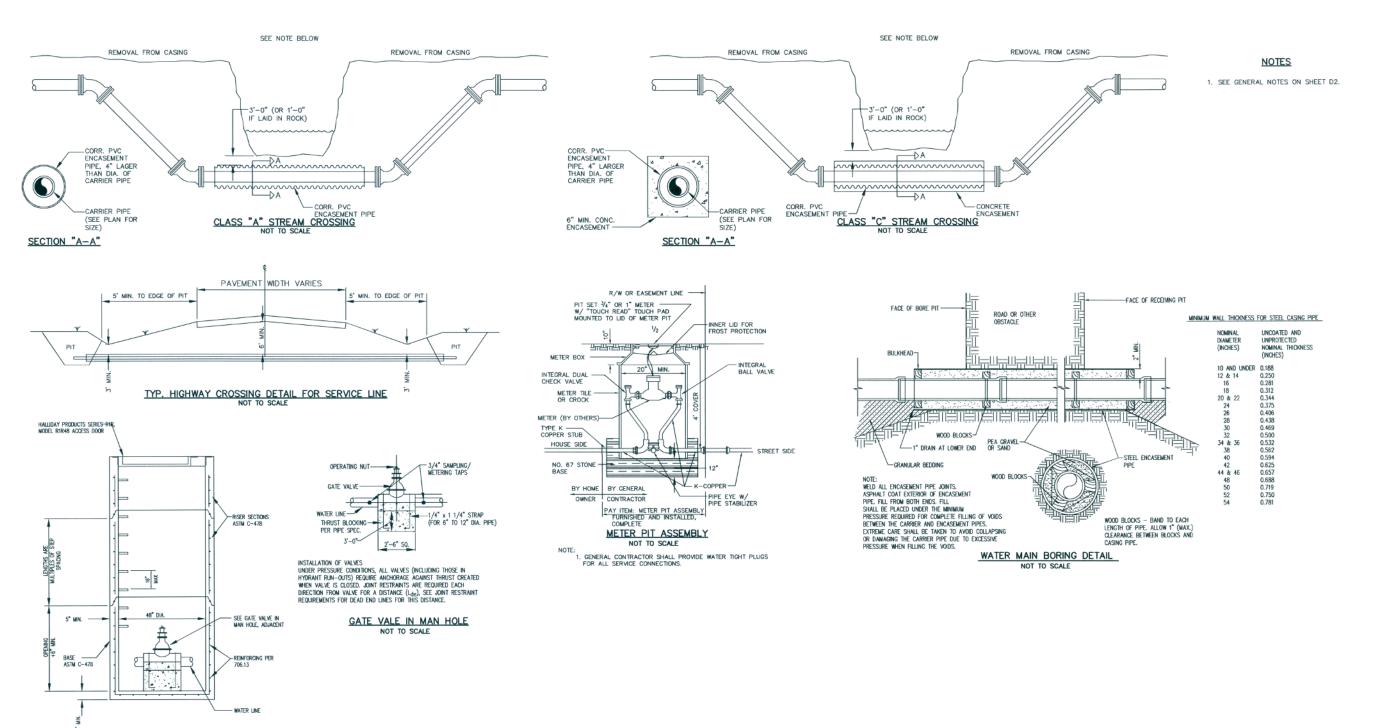
SHELDON-CARTRO ROAD WATER LINE EXTENSION SCIOTO COUNTY REGIONAL WATER DISTRICT SCIOTO COUNTY, OHIO

L-CON ENGINEERS, LLC

9485 HAAF FARM DRIVE NW PICKERINGTON, DHID 43147 PHONE (740) 927-5851 FAX (740) 927-1178

WATER LINE DETAILS

N.E.W. L.B.C. Sheet 9 of 10



 Joints Between Slab top, Riser Sections and Base Shall be "0" Ring Type Astm C-443

- CASTING SHALL HAVE THE APPROPRIATE DESCRIPTIVE WORDS CAST INTO THE COVER 
VALVE VALUE ASSEMBLY

NOT TO SCALE

- Steps - M.A. Industries Inc., Model PS2-PF





SHELDON—CARTRO ROAD WATER LINE EXTENSION SCIOTO COUNTY REGIONAL WATER DISTRICT SCIOTO COUNTY, OHIO

L-CON	ENGINE	ERS,	LL
0485	HAAF FARM	DRIVE NI	w

9485 HAAF FARM DRIVE NW PICKERINGTON, DHID 43147 PHONE (740) 927-5851 FAX (740) 927-1178 WATER LINE DETAILS

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