

MR-509



County: Medina

Route: 094 Section: 7.85 / 10.54

Permit Number: 03-219-20

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION
PERMIT

This permit is issued under the authority of Section 5515.01, 5515.02 of the Ohio Revised Code, and is subject to all of the terms, conditions and restrictions printed or written below, and on the attached sheets hereof, permission is hereby granted to:

Medina County Sanitary Engineer Contact: Ben Romine (330) 723-9575
791 West Smith Road
Medina OH 44256

TO: To replace 14,000 LF of existing water main with a new 12" PVC water main along/across SR 94 as shown in the attached drawings. Open cut the pavement as shown in the drawings. Must maintain at least one lane of traffic at all times. The open cut area must be either backfilled to the top of the existing pavement or steel plates overtop. If steel plates are used, must have "steel plates ahead" signs. This work includes replacing and installing new hydrants, valves and fittings. Any existing water main not removed during construction will be abandoned in place. This work includes replacing water service lines.

- ALL BORE PITS OR ANY EXCAVATION MUST BE A MINIMUM OF 10 FEET FROM THE EDGE OF PAVEMENT. IF NOT, THE USE OF PREMIUM BACKFILL IS REQUIRED UP TO 1:1 INFLUENCE FROM THE EDGE OF PAVEMENT.
- NON-METALLIC UNDERGROUND LINES SHALL BE ACCOMPANIED BY A TRACER WIRE OR METALLIC TAPE TO LOCATE AND MARK THE UNDERGROUND FACILITY WITHIN THE STATE RIGHT OF WAY.
- ALL UNDERGROUND UTILITIES MUST BE A MINIMUM DEPTH OF 48 INCHES BELOW THE EXISTING GRADE/ROADWAY WITHIN THE STATE RIGHT OF WAY.

Along/Across SR 94 in Medina County from 425 feet south of SR 162 to 65 feet south of SR 18.

All work done within the state right of way under this permit shall be performed Monday through Friday 7:30AM-4:00PM, unless approved by the District Utility Office.

All work done within the state right of way under this permit shall be performed Monday through Friday 7:30AM-4:00PM, unless approved by the District Utility Office.

Any mud or debris that accumulates or that is dragged onto the highway as a result of this project must be removed immediately. Failure to comply with this requirement will be cause for immediate suspension of the permit and all work in State right of way will be stopped until the condition is corrected to the Department's satisfaction.

This permit or a copy is to be on site at all times while work is being performed in ODOT's right of way, and is to be shown with all attachments upon request of any Law Enforcement Personnel or employee of the Department of Transportation.

This permit is not a substitute for satisfying the rights of any other party that may have interest in the underlying fee.

No work shall be done under this permit until the party or parties to whom it is granted shall have communicated with and received instructions from Matt Simon at 419-207-2878.

This permit shall be void unless the work here-in contemplated shall have been completed before: 9/21/2022

Dated: 4/21/2020

A call to OGPUPS at 1-800-925-0988
is required by the O.R.C.
2-WORKING DAYS
BEFORE YOU DIG
CALL TOLL FREE 800-362-2764
OHIO UTILITIES PROTECTION SERVICES

Bradley S. Corder

Jack Marchbanks, Director



Ohio Department of Transportation

District 3 * 906 North Clark Ave. * Ashland, Ohio 44805 * (800)276-4188

April 21, 2020

Medina County Sanitary Engineer
Ben Romine
791 West Smith Road
Medina OH 44256

Re: Permit #03-219-20

Dear Mr. Romine:

Attached is the approved permit to perform work within the State Highway right-of-way. Please read it carefully and comply with the provisions. Any and all costs involved with this project and its maintenance shall be borne by the applicant or his successors in title.

The Federal Highway Administration and the State of Ohio will be saved harmless from any claims arising as a result of granting this permit. This permit is granted and enforced under article 5515.01 of the Ohio Revised Code and will be revoked any time work is found to be non-compliant with the conditions contained in the permit.

The Ohio Department of Transportation's Highway Manager for your county has been notified that you have been granted this permit. Prior to starting this work in the right-of-way please contact Matt Simon at 419-207-2878.

Respectfully,

John Schafrath

Permit Technician

cc: Matt Simon

MR-678



County: Medina
Route: 094 Section: 7.85 / 10.54
Permit Number 03-219-20

FINAL INSPECTION

PERMIT EXPIRES: 9/21/2022

**STATE OF OHIO DEPARTMENT OF TRANSPORTATION
DISTRICT 3 PERMIT INSPECTION CERTIFICATION**

Permittee: Medina County Sanitary Engineer , 791 West Smith Road, Medina OH 44256

Permit Number: **03-219-20** Contact Name: Ben Romine

Permit Type: UTL Contact Phone: (330) 723-9575

Issued: 4/21/2020

Description: To replace 14,000 LF of existing water main with a new 12" PVC water main along/across SR 94 as shown in the attached drawings. Open cut the pavement as shown in the drawings. Must maintain at least one lane of traffic at all times. The open cut area must be either backfilled to the top of the existing pavement or steel plates ovetop. If steel plates are used, must have "steel plates ahead" signs. This work includes replacing and installing new hydrants, valves and fittings. Any existing water main not removed during construction will be abandoned in place. This work includes replacing water service lines.

- ALL BORE PITS OR ANY EXCAVATION MUST BE A MINIMUM OF 10 FEET FROM THE EDGE OF PAVEMENT. IF NOT, THE USE OF PREMIUM BACKFILL IS REQUIRED UP TO 1:1 INFLUENCE FROM THE EDGE OF PAVEMENT.
- NON-METALLIC UNDERGROUND LINES SHALL BE ACCOMPANIED BY A TRACER WIRE OR METALLIC TAPE TO LOCATE AND MARK THE UNDERGROUND FACILITY WITHIN THE STATE RIGHT OF WAY.
- ALL UNDERGROUND UTILITIES MUST BE A MINIMUM DEPTH OF 48 INCHES BELOW THE EXISTING GRADE/ROADWAY WITHIN THE STATE RIGHT OF WAY.

(To be filled in by Inspector)

Work Completed (Yes or No) As Authorized (Yes or No)

Variations: _____

Approved: _____ Not Approved: _____

*Comments: _____

Signed: _____

Contacted by: _____ Title: _____

Date: _____ Time: _____ Date: _____

*If work not approved, so advise person in charge at work site, noting his name and relationship to permittee, as well as date and time of inspection; note instructions given such person in charge, including stoppage of work if warranted. If no one at work site, so note.

General Provisions Applicable to All Permits

(Sections 5515.01 and 5515.02 of O.R.C.)

[1] This permit is not a substitute for satisfying the rights or obligations of any other party who may have an interest in the underlying fee interest.

[2] The granting of this permit does not convey to the permittee or to the property served any rights, title, or interest in state highway rights of way or in the design or operation of the state highway; or in any way abridge the right of the Director of the Department of Transportation in his jurisdiction over state highways. If, in the process of any future work or for the benefit of the traveling public, it becomes necessary, in the opinion of the Director of Transportation to order the removal, reconstruction, relocation, or repair of any of the fixtures, or work performed under this permit, said removal, reconstruction, relocation, or repair shall be wholly at the expense of the owners thereof or the permittee and be made as directed by the Director of Transportation. Such changes in the state highway design or operation, necessary for improved safety and operation or for the benefit of the traveling public, shall not require a permit modification since the permit confers no private rights to the permittee over the control of the state highway.

[3] The District Deputy Director acts for and on behalf of the Director in issuing and carrying out the provisions of all permits. The District Deputy Director has full authority to ensure that all provisions of the permit are met and to reject any materials, design, and workmanship that do not meet applicable Department standards. The District Deputy Director, at his/her discretion, may require a performance bond or certified check as a prerequisite to the issuance of a permit.

[4] Failure on the part of the permittee to comply fully with the provisions and conditions of the permit will be cause for suspension, revocation, or annulment of the permit thereby rendering the permit illegal and subject to appropriate Departmental action. By accepting the permit, the permittee agrees to comply with all conditions, terms, and restrictions printed or written on or attached to the permit. If the permittee performs any work contrary to the conditions of the permit or to the instructions of the District Deputy Director and, after due notice, fails to correct the problem, the Department of Transportation may, with or without notice, correct such work and the permittee shall reimburse the Department for the costs.

[5] The permittee shall indemnify and hold harmless the State of Ohio, Department of Transportation, its officers, representatives and assigns, from any and all loss, liability, damages, litigation costs, and claims for injury or death to any person, property, or business caused by or resulting from any act, omission, event, consequence, or occurrence, negligent or otherwise of the permittee, his employees, or assigns as a result of the issuance of this permit.

[6] All work authorized under the permit shall be performed to the Department's satisfaction, and the entire expense shall be borne by the permittee. No work shall be performed until the permittee has contacted the Department's appointed representative named on the permit and received instructions. The Department's representative may inspect all work covered by the permit, or the Department reserves the right, during the time any or all of the work is being performed, to appoint an inspector over the work who shall represent the interest of the State on the work and any compensation arranged for shall be paid wholly by the permit holder. Work not in compliance shall be halted and the District Deputy Director shall be notified of the cause. The permittee shall be notified of the Department's action and its causes, and given an opportunity to correct the problem.

[7] Failure to complete all work within the time specified on the permit shall void the permit, thereby making the permit illegal and subject to appropriate Departmental action. The permittee may request an extension in writing from the District Office, explaining why the extension is necessary and when the work is expected to be completed.

[8] All work infringing on the pavement or shoulders shall comply with applicable standards and requirements regarding traffic control devices. Failure to comply will be cause for revocation or suspension of the permit. Any closure of lanes or shoulders shall be described in terms of location, duration, time of day, etc. Such work shall not begin until all traffic control devices are in place.

[9] If any grading, sidewalk, or other work allowed by a permit interferes with the drainage of the highway in any way, such catch basins and outlets as necessary shall be constructed to take proper care of said drainage.

[10] Upon completion of the work, the permittee shall leave the highway clean of all rubbish, excess materials, temporary structures and equipment, and all parts of the highway shall be left in a condition acceptable to the Department. Upon satisfactory completion of the work authorized by the permit, the Department's appointed representative shall complete the Permit Inspection Certificate, Form No. MR 678 certifying that the permittee has complied with the terms of the permit.

[11] Except as herein authorized, no excavation shall be made or obstacle placed within the limits of the highway so as to interfere with the travel over the road.

[12] All pole lines are to be built in accordance with Rule 4901:3-1-08 of Ohio Administrative Code promulgated and enforced by the Public Utilities Commission of Ohio.

[13] The permittee shall comply with the Air Pollution requirements of Rule 3745-17-08 of the Ohio Administrative Code promulgated and enforced by the Ohio Environmental Protection Agency.

[14] The permittee certifies that he or she is fully authorized to sign this permit. This permit shall apply to and be binding upon the permittee and his/her successors in interest. No change in ownership of the underlying property or of the facility owned by permittee shall in any way alter the permittee's obligations under this permit.

[15] The permittee(s) for herself/himself/themselves/itself, her/his/their/its personal representatives, and her/his/their/its successors in interest and assigns, as a part of the consideration hereof, do/does hereby covenant and agree that:

(1) No person on the grounds of race, color, national origin, sex, age, or disability shall be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination in the use of the above described property.

(2) In the construction of any improvements on, over, or under the above described property and the furnishing of services thereon, no person on the grounds of race, color, national origin, sex, age, or disability shall be excluded from the participation in, be denied the benefits of, or be otherwise subjected to discrimination.

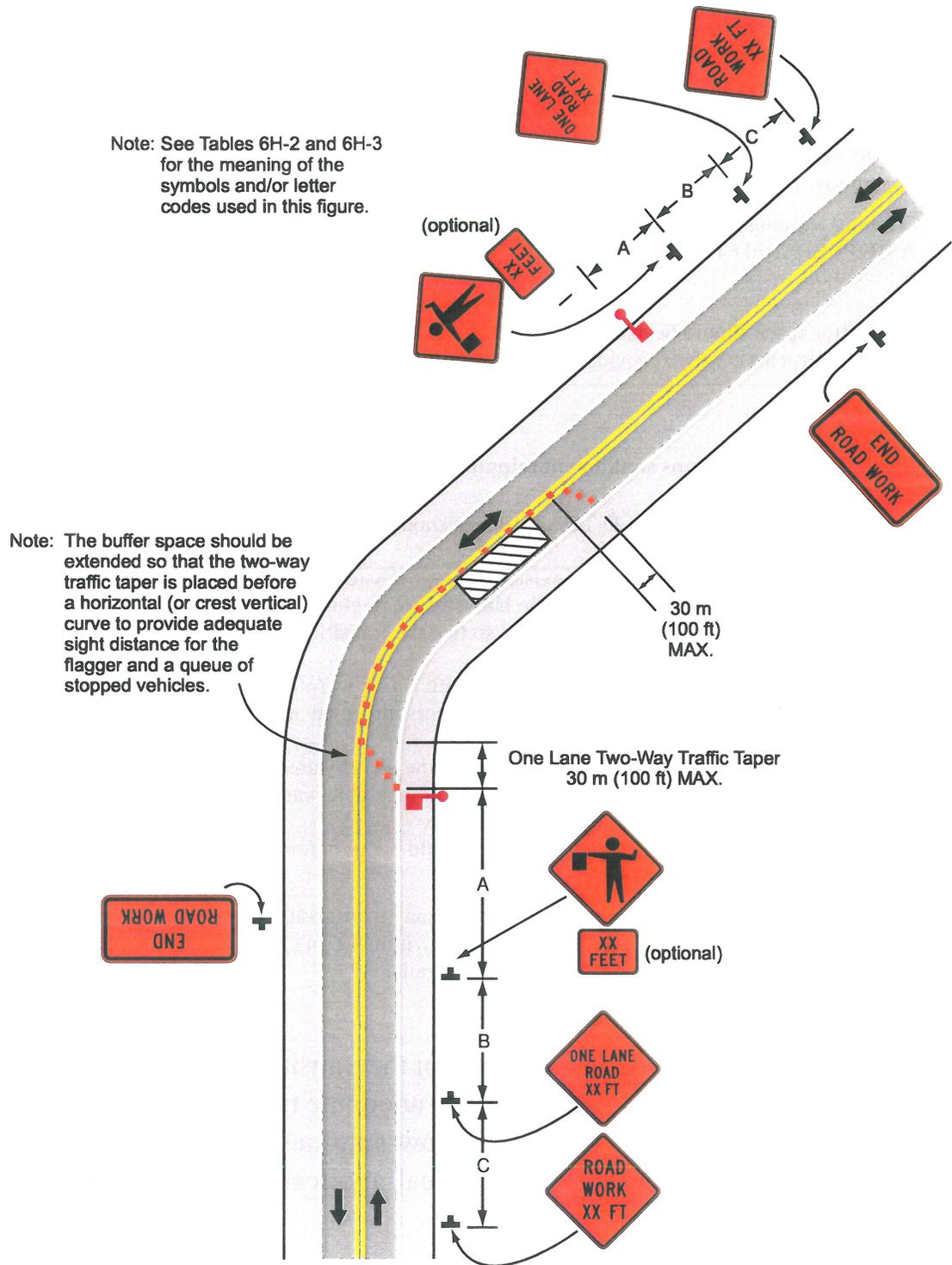
(3) The above described property shall be used in a manner that at all times is in compliance with all other requirements imposed by or pursuant to Title 49, Code of Federal Regulations, U.S. DOT, Subtitle A, Office of the Secretary, Part 21, Nondiscrimination in Federally-assisted programs of the U.S. DOT – Effectuation of Title VI of the Civil Rights Act of 1964, and as said Regulations may be amended.

(4) In the event that this instrument grants a lease, license, or permit and any of the above nondiscrimination covenants is breached, then the State of Ohio, Department of Transportation, shall have the unfettered right to terminate the lease, license or permit and to re-enter and repossess the above-described property and hold the same as if said lease, license or permit had never been made or issued.

(5) In the event that this instrument grants a fee or easement interest and any of the above nondiscrimination covenants is breached, the State of Ohio, Department of Transportation, shall have the unfettered right to re-enter the above described property, and said property will thereupon revert to and vest in and become the absolute property of the State of Ohio and its successors and assigns for the use and benefit of the Department of Transportation.

(6) In the event that this instrument grants a lease, fee or easement interest, all of the foregoing nondiscrimination covenants shall be and are covenants running with the land.

Figure 6H-10. Lane Closure on Two-Lane Road Using Flaggers (TA-10)



Typical Application 10

Notes for Figure 6H-10—Typical Application 10 Lane Closure on Two-Lane Road Using Flaggers

Option:

1. For low-volume situations with short work zones on straight roadways where the flagger is visible to road users approaching from both directions, a single flagger, positioned to be visible to road users approaching from both directions, may be used (see Chapter 6E).
2. The ROAD WORK AHEAD and the END ROAD WORK signs may be omitted for short-duration operations.
3. Flashing warning lights and/or flags may be used to call attention to the advance warning signs. A BE PREPARED TO STOP sign may be added to the sign series.

Guidance:

4. The buffer space should be extended so that the two-way traffic taper is placed before a horizontal (or crest vertical) curve to provide adequate sight distance for the flagger and a queue of stopped vehicles.

Standard:

5. **At night, flagger stations shall be illuminated, except in emergencies.**

Guidance:

6. When used, the BE PREPARED TO STOP sign should be located between the Flagger sign and the ONE LANE ROAD sign.
7. When a highway-rail grade crossing exists within or upstream of the transition area and it is anticipated that queues resulting from the lane closure might extend through the highway-rail grade crossing, the TTC zone should be extended so that the transition area precedes the highway-rail grade crossing.
8. When a highway-rail grade crossing equipped with active warning devices exists within the activity area, provisions should be made for keeping flaggers informed as to the activation status of these warning devices.
9. When a highway-rail grade crossing exists within the activity area, drivers operating on the left side of the normal centerline should be provided with comparable warning devices as for drivers operating on the right side of the normal centerline.
10. Early coordination with the railroad company should occur before work starts.

Option:

11. A flagger or a uniformed law enforcement officer may be used at the highway-rail grade crossing to minimize the probability that vehicles are stopped within 4.6 m (15 ft) of the highway-rail grade crossing, measured from both sides of the outside rails.

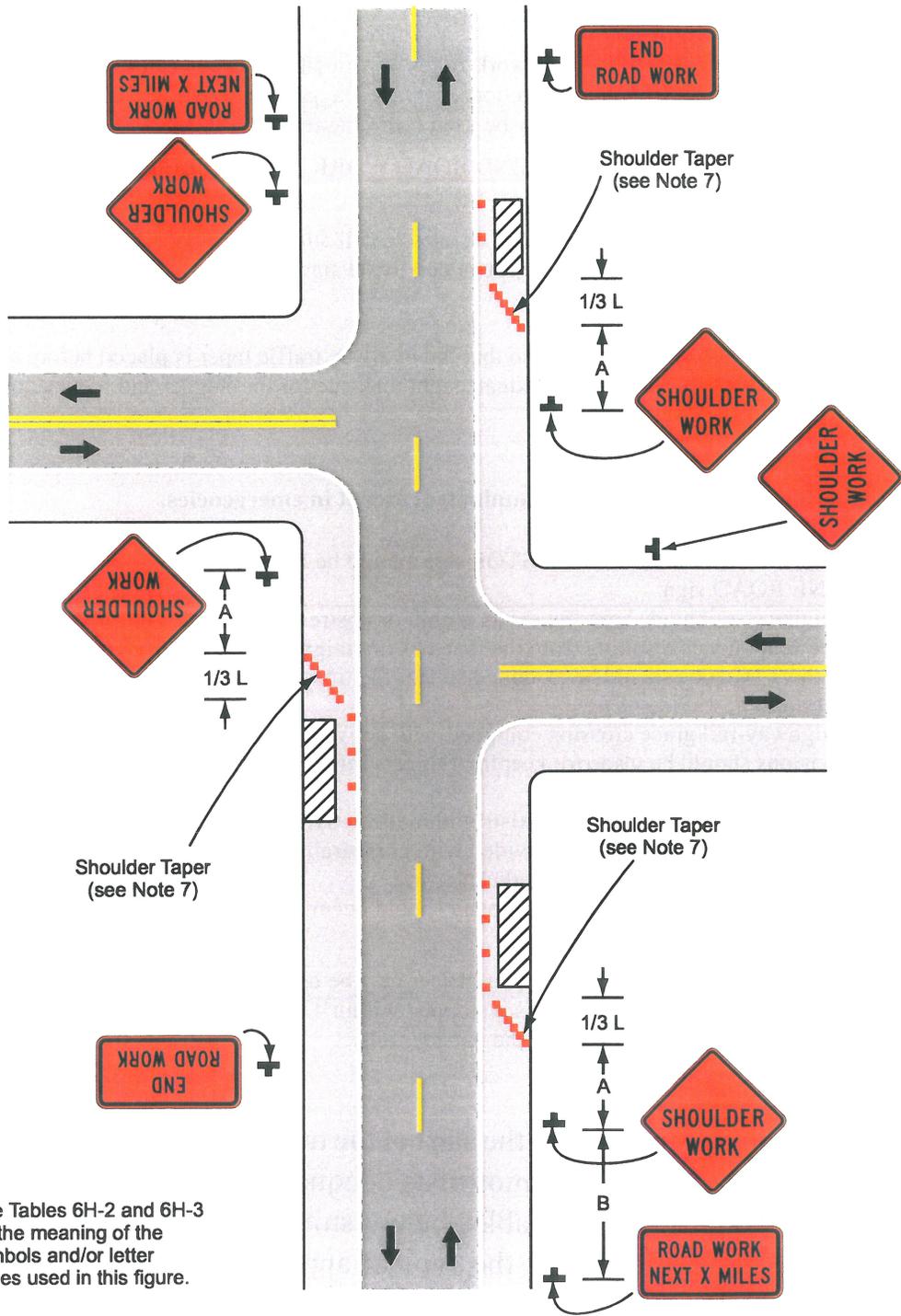
Advance Warning Area

The distance from the first sign to the start of the transition area should be long enough to give motorists adequate time to respond to the conditions. The tables below summarize layout dimensions as referenced in the typical application diagrams (see pages 18 – 48).

Suggested Advance Warning Sign Spacing

Road Type	Distance Between Signs (in feet)		
	A	B	C
Urban (low speed) *	100'	100'	100'
Urban (high speed) *	350'	350'	350'
Rural	500'	500'	500'
Expressway/Freeway	1,000'	1,500'	2,640'

Figure 6H-3. Work on Shoulders (TA-3)



Note: See Tables 6H-2 and 6H-3 for the meaning of the symbols and/or letter codes used in this figure.

Typical Application 3

Notes for Figure 6H-10—Typical Application 10 Lane Closure on Two-Lane Road Using Flaggers

Option:

1. For low-volume situations with short work zones on straight roadways where the flagger is visible to road users approaching from both directions, a single flagger, positioned to be visible to road users approaching from both directions, may be used (see Chapter 6E).
2. The ROAD WORK AHEAD and the END ROAD WORK signs may be omitted for short-duration operations.
3. Flashing warning lights and/or flags may be used to call attention to the advance warning signs. A BE PREPARED TO STOP sign may be added to the sign series.

Guidance:

4. The buffer space should be extended so that the two-way traffic taper is placed before a horizontal (or crest vertical) curve to provide adequate sight distance for the flagger and a queue of stopped vehicles.

Standard:

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8. When a highway-rail grade crossing equipped with active warning devices exists within the activity area, provisions should be made for keeping flaggers informed as to the activation status of these warning devices.
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Expressway/Freeway	1,000'	1,500'	2,640'

Name:	Medina County Sanitary Engineer
Date:	4/21/2020
Permit #:	03-219-20

Bury / Bore 1

All work shall be performed at no cost to the State of Ohio or the Federal Highway Administration.

Loading or unloading of equipment and material from the roadway pavement will not be permitted.

Storage of material on the pavement, berms, median and/or State right-of-way will not be permitted without prior approval from the District Permit Office.

All work requiring workers or vehicles on the pavement or shoulders shall comply with all of the requirements of the Ohio Manual of Uniform Traffic Control Devices and Item 614 (Maintaining Traffic) of the Ohio Department of Transportation Construction and Material Specifications. Failure to comply with this requirement will be cause for immediate suspension of the permit until the proper traffic controls have been provided.

Restoration of all areas disturbed shall be completed immediately after installation is completed, comparable to that of the surrounding area and to the satisfaction of the Ohio Department of Transportation County Manager or representative thereof.

All walks, steps, driveways, drains, mail boxes, traffic signs, guardrail, poles, fences, etc. that are disturbed must be restored to their original condition or better.

All traffic shall be maintained in accordance with the Ohio Manual of Uniform Traffic Control Devices for Construction and Maintenance Operations.

Local traffic, facilities for pedestrian and vehicular ingress and egress, shall be provided at all times for the property adjacent to the work.

Two-way traffic shall be maintained at all times and all equipment used on pavement shall be rubber tired.

No vehicles, equipment, or personnel, including personal automobiles, will be permitted to park on or operate from the roadway pavement, berms, or median.

It must be stressed, that the pavement is to be kept clean at all times from mud and material carried onto the pavement. Failure to comply with this request will result in suspending all operations on State Right-of-Way while working under this Permit.

In the event of conflicts with traffic signal or highway lighting equipment during the installation(s), the Contractor and/or Permittee shall notify the O.D.O.T. District 3 Signal Electrician Supervisor at 419-207-7184. Seven working days notice will be required to inspect and correct the equipment problem. If the problem is too complex, an electrical contractor who is prequalified by O.D.O.T. must be hired to perform the work. All repairs in such cases are to be made to the satisfaction of the District Traffic Engineer, or the appointed representative, and at the expense of the Company or Permittee.

Disturbance of any existing traffic signal or highway lighting equipment during the installation or re-arrangements of facilities shall be the responsibility of the Company or the Permittee.

All excavated material not removed from the area shall be placed between the trench or pit and right-of-way line until needed for backfill or excess to be disposed of.

All backfill shall be performed in accordance with the provisions set forth under Construction Specifications Item 603, and piling of earth over trench for future settlement will not be permitted.

Backfilling shall follow completion of all work as closely as possible each day. The backfill shall be to level and slope of the adjacent surface and maintained in this manner until the final restoration.

The sides of all excavations shall be protected from caving by providing suitable sheeting and bracing. All sheeting and bracing shall be carefully removed as the backfilling of the trench progresses. Backfilling shall follow completion of the work as closely as possible. After the backfilling has been completed, the Contractor shall immediately remove all surplus material, dirt and rubbish from the site.

The proposed facilities (mains, cable, conduit, etc.) must be installed under or around all structures and pipes having 6' or less of ground cover, unless otherwise noted on the accepted/and or stamped plans.

All ditch areas and slopes disturbed must be reshaped to drain properly and seeded or sodded to the satisfaction of the Ohio Department of Transportation County Manager or representative thereof.

Name: Medina County Sanitary Engineer
Date: 4/21/2020
Permit #: 03-219-20

Bury / Bore 2

Proper roadside drainage shall be maintained at all times.

In the event of ice, snow or rain, all work shall be suspended as directed by the Ohio Department of Transportation County Manager or representative thereof and shall remain suspended until notified to resume work.

All bore pits or manholes left open during non working hours must be backfilled or plated and fenced for safety.

Longitudinal underground utility facilities are prohibited within the area designated for the placement of highway signs and mailboxes unless the utility facility is constructed with material which will withstand penetration by support posts and installed with a minimum cover of 60".

Stop signs shall not be disturbed. If it becomes necessary to remove a stop sign, a portable stop sign shall be erected before the permanent sign is removed. The permanent sign shall be re-erected immediately after the installation is complete.

All Ohio Department of Transportation's guide signs shall be re-erected the same day as removed or as directed by the Ohio Department of Transportation County Manager or representative thereof in accordance with the Manual of Uniform Traffic Control Devices.

Rough grading of all ditch areas and slopes disturbed shall be reshaped to drain properly immediately following pipe installation. In the event that pipe installation exceeds 500' beyond the grading, pipe installation shall be suspended until proper grading is performed.

If installation is within 10' of an existing strain pole, permanent or temporary anchoring may be required. The Permittee shall notify the District 3 Traffic Department at 419-207-7184, two working days prior to the installation within the area of strain pole.

Any settlement of the patches and/or street surface will be considered conclusive evidence of defective backfilling and/or pavement restoration and must be corrected at once.

The bore pits shall be located a minimum of 10' from the edge of pavement and shall not be moved either right or left of the designated plan site without permission being granted by the Ohio Department of Transportation County Manager or representative thereof.

The permittee shall be responsible for any roadway pavement or berm failure occurring within eighteen (18) months of completion of this installation.

The distance augered ahead of the casing shall be kept as short as possible, and at no time shall the distance exceed 12". Under no circumstances will water jetting be permitted from excavation of material ahead of the casing or for the removal of spoil from the casing.

The length of the bore or push shall be the width of the pavement plus 10' on each side of the ditchline, unless otherwise noted on the accepted and/or stamped plans.

No headwalls shall be constructed on the inlet or outlet ends of any pipe installed on State right-of-way.

The driveway shall slope down and away from the through pavement edge at the same rate of slope as the highway shoulder slope; and, shall be so constructed that no surface water will be drained onto the highway pavement. The driveway approach shall be flush with the through edge of the through pavement.

No parking, servicing of vehicles, erection of lights, signs, or other advertising devices will be permitted on highway right-of-way, and no device or structure will be permitted to overhang highway right-of-way.

The permittee shall be responsible for any utility relocation as a result of the proposed work.

Name:	Medina County Sanitary Engineer
Date:	4/21/2020
Permit #:	03-219-20

Service

All work shall be performed at no cost to the State of Ohio or the Federal Highway Administration.

Loading or unloading of equipment and material from the roadway pavement will not be permitted.

Storage of pipe and material on the pavement, berms, median and/or State right-of-way will not be permitted without prior approval from the District Permit Office.

Equipment and personnel operating from the pavement shall be kept to a minimum; and, with adequate flagmen (Flagmen's Guide) and to a minimum; traffic warning devices maintained at all times.

Restoration of all areas disturbed shall be completed immediately after installation is completed.

All areas disturbed by this operation shall be restored comparable to that of the surrounding area and to the satisfaction of the State Inspector.

All walks, steps, driveways, drains, mail boxes, traffic signs, guardrail, poles, fences, etc. that are disturbed must be restored to their original condition or better.

The pavement, berms and median must be kept clean of dirt, mud and debris at all times.

All traffic shall be maintained in accordance with the Ohio Manual of Uniform Traffic Control Devices for Construction and Maintenance Operations.

Local traffic, facilities for pedestrian and vehicular ingress and egress, shall be provided at all times for the property adjacent to the work.

Two-way traffic shall be maintained at all times and all equipment used on pavement shall be rubber tired.

No vehicles, equipment, or personnel, including personal automobiles, will be permitted to park on or operate from the roadway pavement, berms, or median.

It must be stressed, that the pavement is to be kept clean at all times from mud and material carried onto the pavement. Failure to comply with this request will result in suspending all operations on State Right-of-Way while working under this Permit.

In the event of conflicts with traffic signal or highway lighting equipment during the installation(s), the Contractor and/or Permittee shall notify the O.D.O.T. District 3 Traffic Engineer at 419-207-7092. Seven working days notice will be required to inspect and correct the equipment problem. If the problem is too complex, an electrical contractor who is prequalified by O.D.O.T. must be hired to perform the work. All repairs in such cases are to be made to the satisfaction of the District Traffic Engineer, or the appointed representative, and at the expense of the Company or Permittee.

Disturbance of any existing traffic signal or highway lighting equipment during the installation or re-arrangements of facilities shall be the responsibility of the Company or the Permittee.

All excavated material not removed from the area shall be placed between the trench and right-of-way line until needed for backfill or excess to be disposed.

All backfill shall be performed in accordance with the provisions set forth under Construction Specifications Item 603, and piling of earth over trench for future settlement will not be permitted.

Backfilling shall follow completion of all work as closely as possible each day. The backfill shall be to level and slope of the adjacent surface and maintained in this manner until the final restoration.

The sides of all excavations shall be protected from caving by providing suitable sheeting and bracing. All sheeting and bracing shall be carefully removed as the backfilling of the trench progresses. Backfilling shall follow completion of the work as closely as possible. After the backfilling has been completed, the Contractor shall immediately remove all surplus material, dirt and rubbish from the site.

All fire hydrants and service cocks shall be located not more than 3' within the right-of-way. No part of any fire hydrant setting shall be installed closer than 5' to any driveway, inlet, utility pole or guy wire anchor.

Name: Medina County Sanitary Engineer

Date: 4/21/2020

Permit #: 03-219-20

Utility 1

This permit is valid only within the limits of right-of-way of this state route. Permits for that portion of your facilities located along city, village, county and/or township right-of-way must be obtained from the appropriate authorities.

- U-01 To assure the proper installation, the Ohio Department of Transportation County Manager or his representative must be notified a minimum of 24 hours prior to any work being started. A copy of this permit is to be on-site at all times while working.
- U-02 There is to be NO parking of equipment, service vehicles, erecting of lights or placing of advertising devices within the state highway right-of-way. Similarly, no equipment, service vehicles, devices or structures are permitted to overhang the state highway.
- U-03 Written permission must be granted by ODOT in advance of any permanent lane closures using jersey barriers or other traffic control devices. All closures must be open between December 1st and March 31st. Any approved closure will require a 10-day notice to the permit office.
- U-04 All work requiring workers and/or vehicles on the pavement or shoulders shall comply fully with the Ohio Manual of Traffic Control for Construction and Maintenance Operations and Item 614 (Maintaining Traffic) in the Department of Transportation Construction and Material Specifications. Failure to comply with this requirement will be just cause for immediate suspension of this permit until such time the proper traffic control is in place.
- U-05 If traffic should need to be stopped and/or slowed down on a freeway, the Ohio State Highway Patrol or local law enforcement personnel should be present.
- U-06 All work will be restricted to off-peak traffic hours. Permitted lane closures are between (-), Monday through Friday and between (-) on the weekends.
- U-07 The contractor shall notify the Ohio Department of Transportation no less than two weeks prior to starting any work allowing an ample amount of time for ODOT to obtain site elevations at the proposed location.
- U-08 The site location is to be photographed prior to installation. Said photos will include pavement, paved shoulders, median, ditch lines and embankments insuring site conditions are restored to their original condition should any difficulties occur. Photographs are to be submitted prior to starting any work in ODOT's right-of-way.
- U-09 The contractor must give property owners a minimum of 24 hours notice before cutting any driveways. Also, the permit holder shall give ample notice to all property owners before trenching or cable plowing operations begin.
- U-10 All work performed shall be as per the current Ohio Department of Transportation Construction and Materials Specifications, but where local or industry design standards are higher, they shall prevail.
- U-11 ODOT reserves the right to request item 613 Low Strength Mortar Backfill.
- U-12 The minimum depth for any installation under a highway will be 48" and min 36" below the ditch bottom and 60" under all major waterways, drainage structures and footers. All trenches and/or bore pits are to be closed or protected while working and while work is not being performed.
- U-13 All underground facilities shall be as close to the edge of the right-of-way as possible. All trenches within a 1:1 influence from the edge of pavement will require low strength mortar as backfill.
- U-14 In accepting this permit, the permittee assures that warning monuments will be placed and maintained on each side of the state highway. Said monuments shall state that there is an underground utility at the location. Also, it must state the name and telephone number of the utility company.
- U-15 Tracer tape shall be installed and placed one foot above the proposed conduit and shall extend the full length.
- U-16 The cutting of the pavement will not be permitted.
- U-17 All trenches shall be backfilled progressively with the construction operation. No trenches shall be left open over night.
- U-18 The use of traveled lanes, stabilized or un-stabilized berms for the storage of construction materials or depositing of excavated material in NOT permitted.
- U-19 All bore pits shall be placed no less than 10' from the edge of the pavement and the casing pipe shall extend 10' past the bottom of the ditch line.

Name: Medina County Sanitary Engineer

Date: 4/21/2020

Permit #: 03-219-20

Utility 2

- U-20 When the bore opening under the pavement exceeds by 2" the outside diameter of the pipe installed, the opening around the pipe shall be filled with grout in a manner suitable to the Ohio Department of Transportation. All sanitary force mains and water mains crossing any limited access right of way.
- U-21 Fire hydrants and all above ground structures are prohibited from being placed in the ditch flow lines.
- U-22 All water services 2" or less shall consist of 748.03 Polyethylene, 748.04 Polybutylene, or 748.05 type K copper pipe of a length to extend under the pavement without a joint to a minimum distance of 10' beyond. Such service pipe shall have a minimum coverage of 36" and the diameter of the opening provided for the installation shall be not more than 1.2 times the outside diameter of the tubing to be installed.
- U-23 Casing is required for non-plastic lines less than 16 inches in diameter crossing the highway and carrying liquid petroleum or under gas pressure if the pipe carries an internal pressure in excess of 30% SMYS of the pipe. Pipe lines 16" and over must comply with 49 CRF 192.
- U-24 Casing is required for plastic pipe crossing the highway and carrying liquid petroleum or gas if the internal pressure exceeds 100 psig. The following information shall be provided by a utility company when using plastic pipe on a state highway right-of-way: 1) manufacturer's name, 2) the brand name of the pipe, 3) the pipe material designation, 4) the pipe size and wall thickness, and 5) the working pressure.
- U-25 It shall be the responsibility of the permittee to insure the construction or placement of any poles will not obstruct the site distance of any intersection.
- U-26 All aerial facilities shall be as close to the edge of the right-of-way line as possible.
- U-27 All roadway crossing will have a minimum vertical clearance of 16.5' and/or equal to or greater than that required by the National Electric Safety Code.
- U-28 The permittee shall clean- up all debris and materials resulting from his operations and restore all surfaces, structures, culverts, pipes, ditches and property to its original or better condition to the satisfaction of the owner.
- U-29 When repairing structures, culverts, and pipes a ODOT representative must be present when being repaired.
- U-30 All rutted areas or areas where vegetation has been disturbed or destroyed by the construction of this project will be graded, fertilized, seeded and mulched.
- U-31 Private drainage outlets, such as field tiles, disturbed by this operation shall be restored to working order to the satisfaction of the owner.
- U-32 The permittee shall take any and all appropriate measures to limit soil erosion during and after construction authorized herein. As such, he shall be full accountable to the Ohio EPA, the Soil Conservation Service, and other appropriate agencies for any violation or disregard of the applicable governing standards and regulations related to the protection and conservation of soils that are affected by this permitted work.
- U-33 All public and private property, including highway fence, that is disturbed by the contractor will be repaired to a condition equal to or better than the original condition, including sidewalks and driveways.
- U-34 The permittee, site inspectors or project supervisor shall not allow the removal, damage or re-erection of any ODOT signs along the proposed project route. Should any signs obstruct the proposed installation, the permittee or contractor shall notify ODOT no less than 72 hours in advance allowing time to schedule the relocation of said obstruction. Contact is to be made at the following number: (419) 207-7184. The permittee shall further be responsible for any and all cost associated with the replacing and relocating of said signs.
- U-35 If any conditions of this permit or related requirements are not being met, and inspection by ODOT is required, the costs of such inspection will be born by the permit holder. The construction inspection costs will be determined by State of Ohio Department of Transportation.
- U-36 If equipment, vehicles, trench boxes and material are stored or parked on highway right-of -way, locate them not less than 6 feet behind existing guardrail or not less than 30 feet beyond the traveled way. At night if any such material or equipment is stored between the side ditches, or between lines 6 feet behind any raised curbs, clearly outline them with dependable lighted devices that are approved be the ODOT Engineer.

All fixed objects will be installed outside the clear zone set by ODOT.

MR 505
App No _____

State of Ohio
Department of Transportation

See Reverse side for additional requirements

Office Use Only	
County/	_____
Jurisdiction	_____
Rte	_____ Log Pt _____
Acc Cat	_____

[1] This form must be completed by the property owner or agents working for a utility company (if applicable). Application by contractor is unacceptable.

Name Ben Romine
Address 791 W Smith Road City Medina State Ohio
Zip 44303 Phone (330) 723-9575 Other (Fax, E-mail) bromine@medinaco.org

[2] Type of Permit requested: _____ Commercial (See other side) _____ Residential _____ Field Utility _____ Drainage
_____ Beautification (See other side) _____ Spraying, trimming, tree removal _____ Other

[3] Briefly describe work to be performed. (Attach plans and see Instructions.)

Install Approx 14,000 LF of 12in PVC Water Main on Ridge Road including a Meter, Fittings, Valves, and Hydrants. Plan includes road boards with and without steel casing pipe. Existing 8in Water Main will be replaced in existing trench with 12in PVC Water Main as indicated on plans. Depth (+/- 5'-8') and offset (+/- 5' from EOP) varies see plans. Open cut excavations through pavement are at the intersection of SR 94 and SR 162, see plans.

Traffic Plan Per ODOT Regulations

[4] Location where work is to be performed. Give sufficient detail to locate the site accurately, such as the distance in miles or feet from a mile post or from some geographical feature such as an intersecting highway.

In Medina County (along, ~~across~~) State Route 94, 0.08 miles or 425 feet
North East West South of Sharon Copley Road (SR 162) on the North East West South side of the road.
Work to commence on May 18, 2020 and will require 531 days to complete.

Start 425 feet south of Sharon Copley Road (SR 162) to 65 feet south of Medina Road (SR 18).

[5] Does the property owner own or have any interests in any adjacent property? Yes No
If yes, please describe. _____

[6] Prior to any excavation in the highway right-of-way, the Ohio Utilities Protection Service (OUPS) must be contacted in accordance with ORC Section 3781.25 to 3781.32. OUPS can be reached at 1-800-362-2764. A call must be made to OGPUPS at 1-800-925-0988.

[7] Open cutting of pavement shall not be permitted unless no reasonable alternate method is available. Written approval of the Ohio Department of Transportation District Office must be obtained.

[8] All work requiring men or vehicles within ODOT right of way shall comply with all applicable requirements of the Ohio Manual of Traffic Control Devices and Item 614 (Maintaining Traffic) of the Construction and Material Specifications, latest editions. Failure to comply with these requirements will be cause for immediate revocation or suspension of the permit until the proper traffic control devices have been provided.

[9] I have received a copy of the policies and regulations pertaining to the permit for which I have applied. If a permit is subsequently issued to me by the Ohio Department of Transportation, I understand that the permit will state the terms and conditions for its use, and I agree to comply with all conditions and regulations stipulated on or attached to the permit. I also understand and agree that failure to comply fully with all conditions and regulations of the permit or any change in the use of the permit inconsistent with its terms and conditions will be considered a violation and cause for suspension, revocation, or annulment of the permit thereby rendering the permit illegal and subject to appropriate Department action, up to an including removal of the installation at the permittee's expense.

SIGN and
PRINT here

→ 
Signature of Property Owner or Agent for Owner
Date 4/21/2020
Day time Phone (330) 723-9575

Office use only	
Date Received	_____
By	_____
Date Accepted	_____
By	_____



LEGEND

DESCRIPTION	SYMBOL	Sheet #
Existing Right of Way		1
Existing Survey Monument		2
Existing Lot Line		3
Existing Centerline		4
Existing Storm Sewer		5
Existing Catch Basin		6
Existing Fiber Optic Line		7
Existing Fiber Optic Marker		8
Existing Gas Line		9
Existing Gas Marker		10
Existing Gas Meter / Valve		11
Existing Easement		12
Existing Electric line		13
Existing Phone / Utility Box		14
Existing Mailbox		15
Existing Irrigation Head		16
Existing Telephone Line		17
Existing Fence		18
Existing Wooded Area		19
Existing Shrub / Stump		20
Existing Tree / Pine Tree		21
Existing Utility / Power / Light / Flag Pole		22
Existing Sign		23
Existing Curb Box / Meter Vault		24
Existing Water Line		25
Existing Fire Hydrant		26
Existing Water Valve		27
Existing Sanitary Force Main		28
Existing Sanitary Sewer		29
Existing Sanitary Manhole		30
Pavement Replacement		31
Proposed Water Main		32
Proposed Water Main Bored (SR 94)		33
Proposed Fire Hydrant		34
Proposed Water Valve		35
Proposed Restrained Joint Water Main		36
Proposed Water Main Replacement		37
Proposed Bends 11.25° / 22.5° / 45° / 90°		38
Proposed Fittings Cross / Tee		39
Proposed Curb Box / Meter Vault		40
Proposed Flushing Assembly		41
Proposed Water Plug and Blocking		42
Proposed Sanitary Sewer Force Main		43
Proposed Manhole & Air Release Valve		44
Proposed SAN FM Shut Off Valve		45
Proposed Restrained Joint Force Main		46
Shrub Removal / Stump Removal		47
Tree Removal / Pine Tree Removal		48

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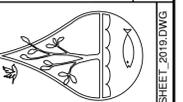
Sheet #	DESCRIPTION
1	COVER SHEET
2	LEGEND AND INDEX OF DRAWINGS
3	GENERAL NOTES AND DETAILS
4	PLAN and PROFILE - 126+00 to 135+00 RIDGE ROAD
5	PLAN and PROFILE - 135+00 to 144+00 RIDGE ROAD
6	PLAN and PROFILE - 144+00 to 153+00 RIDGE ROAD
7	PLAN and PROFILE - 153+00 to 162+00 RIDGE ROAD
8	PLAN and PROFILE - 162+00 to 171+00 RIDGE ROAD
9	PLAN and PROFILE - 171+00 to 180+00 RIDGE ROAD
10	PLAN and PROFILE - 180+00 to 189+00 RIDGE ROAD
11	PLAN and PROFILE - 189+00 to 198+00 RIDGE ROAD
12	PLAN and PROFILE - 198+00 to 207+00 RIDGE ROAD
13	PLAN and PROFILE - 207+00 to 216+00 RIDGE ROAD
14	PLAN and PROFILE - 216+00 to 225+00 RIDGE ROAD
15	PLAN and PROFILE - 225+00 to 234+00 RIDGE ROAD
16	PLAN and PROFILE - 234+00 to 243+00 RIDGE ROAD
17	PLAN and PROFILE - 243+00 to 252+00 RIDGE ROAD
18	PLAN and PROFILE - 252+00 to 261+00 RIDGE ROAD
19	PLAN and PROFILE - 261+00 to 270+00 RIDGE ROAD
20	PLAN AND PROFILE - MISC PROFILES
21	PLAN and PROFILE - 0+00 to 5+00 SHARON CIRCLE
22	PLAN and PROFILE - 5+00 to 10+00 SHARON CIRCLE
23	SHARON CIRCLE - OVERALL PLAN
24	PLAN and PROFILE - 21+00 to 30+00 SHARON COPLEY ROAD
25	PLAN and PROFILE - 30+00 to 39+00 SHARON COPLEY ROAD
26	PLAN and PROFILE - 39+00 to 48+00 SHARON COPLEY ROAD
27	PLAN and PROFILE - 48+00 to 57+00 SHARON COPLEY ROAD
28	PLAN and PROFILE - 57+00 to 66+00 SHARON COPLEY ROAD
29	PLAN and PROFILE - 66+00 to 75+00 SHARON COPLEY ROAD
30	PLAN and PROFILE - 75+00 to 84+00 SHARON COPLEY ROAD
31	PLAN and PROFILE - 84+00 to 90+00 SHARON COPLEY ROAD
32	PLAN and PROFILE - 90+00 to 94+00 SHARON COPLEY ROAD
33	PLAN and PROFILE - 21+00 to 30+00 STATE ROAD - WATER MAIN
34	PLAN and PROFILE - 30+00 to 39+00 STATE ROAD - WATER MAIN
35	PLAN and PROFILE - 39+00 to 48+00 STATE ROAD - WATER MAIN
36	PLAN and PROFILE - 48+00 to 57+00 STATE ROAD - WATER MAIN
37	PLAN and PROFILE - 57+00 to 66+00 STATE ROAD - WATER MAIN
38	PLAN and PROFILE - 66+00 to 75+00 STATE ROAD - WATER MAIN
39	PLAN and PROFILE - 75+00 to 84+00 STATE ROAD - WATER MAIN
40	PLAN and PROFILE - 84+00 to 93+00 STATE ROAD - WATER MAIN
41	PLAN and PROFILE - 93+00 to 102+00 STATE ROAD - WATER MAIN
42	PLAN and PROFILE - 102+00 to 111+00 STATE ROAD - WATER MAIN
43	PLAN and PROFILE - 111+00 to 120+00 STATE ROAD - WATER MAIN
44	PLAN and PROFILE - 120+00 to 129+00 STATE ROAD - WATER MAIN
45	PLAN and PROFILE - 129+00 to 138+00 STATE ROAD - WATER MAIN

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47	PLAN and PROFILE - 147+00 to 156+00 STATE ROAD - WATER MAIN
48	PLAN and PROFILE - 156+00 to 165+00 STATE ROAD - WATER MAIN
49	PLAN and PROFILE - 165+00 to 174+00 STATE ROAD - WATER MAIN
50	PLAN and PROFILE - 174+00 to 183+00 STATE ROAD - WATER MAIN
51	PLAN and PROFILE - STATE ROAD MISC PROFILES
52	PLAN and PROFILE - 11+65 to 21+00 - STATE ROAD - FORCE MAIN
53	PLAN and PROFILE - 21+00 to 30+00 - STATE ROAD - FORCE MAIN
54	PLAN and PROFILE - 30+00 to 39+00 - STATE ROAD - FORCE MAIN
55	PLAN and PROFILE - 39+00 to 48+00 - STATE ROAD - FORCE MAIN
56	PLAN and PROFILE - 48+00 to 57+00 - STATE ROAD - FORCE MAIN
57	PLAN and PROFILE - 57+00 to 66+00 - STATE ROAD - FORCE MAIN
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59	PLAN and PROFILE - 75+00 to 84+00 - STATE ROAD - FORCE MAIN
60	PLAN and PROFILE - 84+00 to 93+00 - STATE ROAD - FORCE MAIN
61	PLAN and PROFILE - 93+00 to 102+00 - STATE ROAD - FORCE MAIN
62	PLAN and PROFILE - 102+00 to 111+00 - STATE ROAD - FORCE MAIN
63	PLAN and PROFILE - 111+00 to 120+00 - STATE ROAD - FORCE MAIN
64	PLAN and PROFILE - 120+00 to 129+00 - STATE ROAD - FORCE MAIN
65	PLAN and PROFILE - 129+00 to 138+00 - STATE ROAD - FORCE MAIN
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68	PLAN and PROFILE - 156+00 to 165+00 - STATE ROAD - FORCE MAIN
69	PLAN and PROFILE - 165+00 to 174+00 - STATE ROAD - FORCE MAIN
70	PLAN and PROFILE - 174+00 to 183+00 - STATE ROAD - FORCE MAIN
71	PLAN and PROFILE - 2035+00 to 3038+00 MEDINA ROAD
72	FORCEMAIN - 4+00 to 13+00
73	FORCEMAIN - 13+00 to 31+00
74	FORCEMAIN - 31+00 to 49+00
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76	RIDGE ROAD WATER SERVICE RELOCATION SCHEDULE
77	SHARON COPLEY ROAD WATER SERVICE RELOCATION SCHEDULE
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80	HYDRANT AND MH SCHEDULE
81	VALVE SCHEDULE
82	STANDARD DETAIL SHEET - WATER MAIN STANDARDS
83	STANDARD DETAIL SHEET - SANITARY SEWER STANDARDS
84	MASTER METER WITH VAULT DETAILS
85	RIDGE ROAD PRESSURE REGULATING VAULT
86	PRESSURE REGULATING VAULT WITH DETAILS
87	EROSION CONTROL
88	SWPPP DETAIL
89	TRAFFIC CONTROL
90	ODOT DRIVEWAY DETAILS

COUNTY: MEDINA	TOWNSHIP: MEDINA	DATE: MAY 2019	BY:
DRAWN BY:	REVIEWED BY:	SCALE: N/A / N/A	DESCRIPTION
			DATE

SHARON TOWNSHIP WATER AND SANITARY IMPROVEMENTS

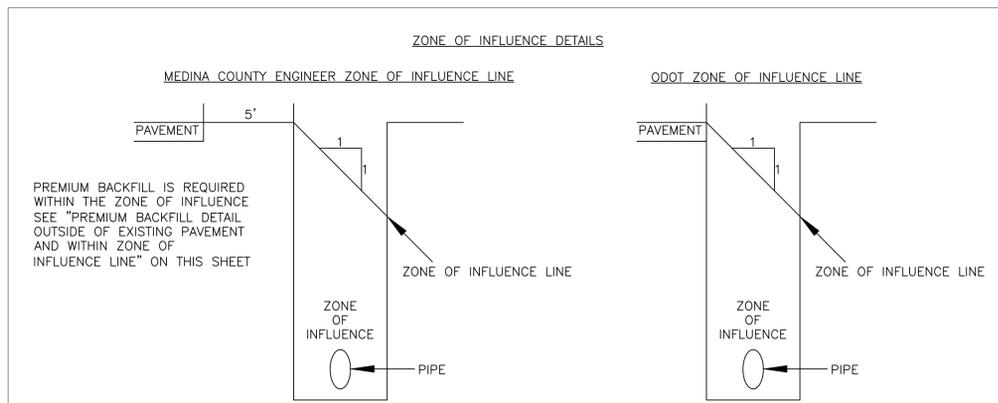
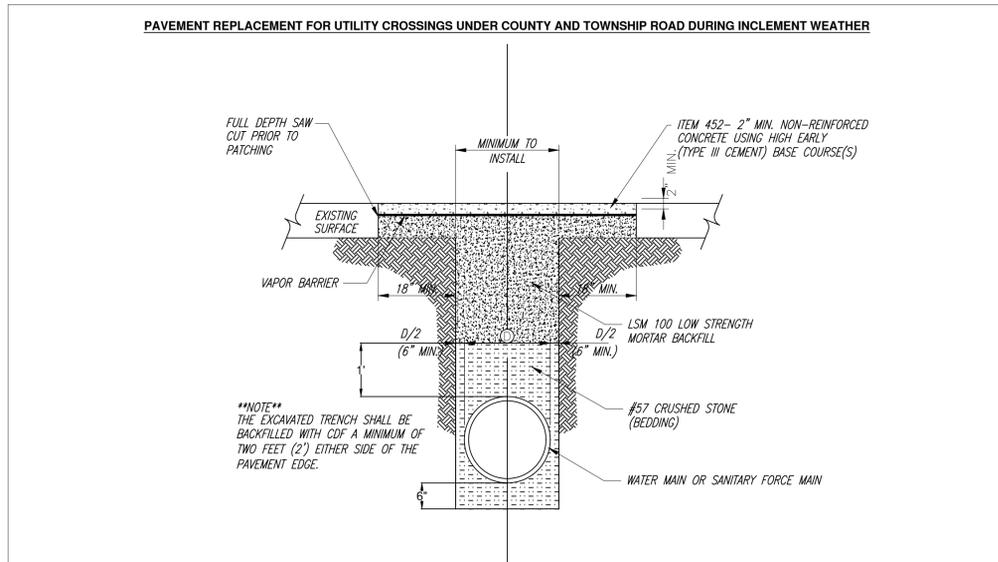
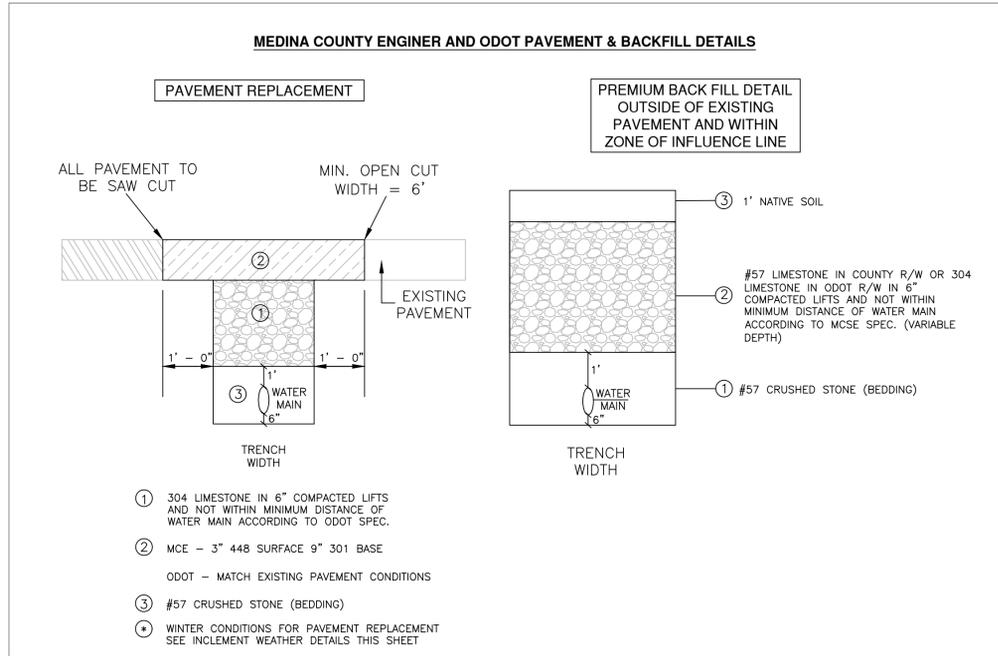


- PLAN PREPARED BY -
MEDINA COUNTY
SANITARY ENGINEER
 AMY S. LYON-GALVIN, P.E.
 791 WEST SMITH RD.
 MEDINA, OHIO 44256
 (630) 723-9565

PROJECT NUMBER	SW-500/00-281.1
SHEET NUMBER	2 of 90

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PAVEMENT AND ZONE OF INFLUENCE DETAILS



GENERAL NOTES

- Underground facilities, structures, and utilities have been plotted from available surveys and drawings from various sources. Therefore, their locations must be considered approximate only. Also, there may be others, the existence of which is not presently known. It shall be the contractor's responsibility to ascertain for himself the conditions that he may encounter during completion of the project.
- Blasting will not be permitted unless approved by the owner.
- All abandoned pipes shall be bulkheaded and filled with grout.
- Existing catch basins, where disturbed, shall be reset to finished grade, or pavement elevation as directed by the engineer.
- All manholes, catch basins, monument rims, valve boxes, castings, and covers shall be adjusted to finished pavement elevations, final grade or as directed by the engineer.
- The contractor shall be responsible for the design, installation, and final clearance of any required needling, underpinning, shoring or bracing of existing structures.
- Minor alignment changes may be required during construction due to possible utility conflicts, as directed and/or approved by the engineer.
- The contractor is to confirm the invert elevations of all existing sewers affected by his work prior to commencement of work and report all findings to the engineer.
- The Medina County Sanitary Engineer will obtain O.D.O.T. permits for work in State of Ohio roadways. All other roadway use permits shall be obtained by the Contractor.
- Work limits shall be limited to within the Right-of-Way. All of the contractor's operations must be confined within the existing street's Right-of-Way limits or existing easements acquired by the owner. Any additional construction easements needed for completion of his work must be secured from the property owners by the contractor at his expense and at no additional cost to the owner.
- Trees: All trees shall be saved unless otherwise noted, or as directed by the engineer. Extreme caution must be taken to protect trees. Any damage to the trees must be repaired and the method of repair must receive prior approval from the engineer.
- Sanitary sewers are to be separated from existing and proposed potable water lines by a minimum horizontal distance of ten feet (10'), outside of pipe to outside of pipe. In instances where water and sewer line must cross, the water line is to maintain a vertical distance of eighteen inches (18") above the sanitary sewer, outside of pipe to outside of pipe.
- All construction equipment shall be equipped with mufflers in accordance with federal safety standards.
- If utility poles or guy wires must be held, contractor to coordinate with proper utility company. The cost for holding poles or guy wires will be the responsibility of the contractor.
- Contractor will be responsible for repairing/replacing all hardscape items (i.e., decks, fences, sheds) encountered during construction in addition to restoration requirements as described in 901.12.
- Contractor to verify existing sanitary sewer lateral elevations prior to the installing the new sanitary lateral from the new sanitary sewer main to where the sanitary connection exits the home.
- Contractor must include specification sections 901.03 to 901.12 when determining total unit costs for unit numbers 11 & 12, reference number 913. The price bid per linear foot of lateral will include any special backfill as part of reference number 913. There will be no additional payment made under reference number 905.
- Restoration of driveways shall be performed "in kind" to match existing driveway apron materials and depths, and shall be approved by the road authority.
- All sanitary cleanouts shall be installed to existing grade.
- Maximum 45 degree bend shall be installed on sanitary laterals. Minimum two (2) feet of PVC SDR-35 pipe shall be installed between bends.
- 5' - 0" Minimum of undisturbed earth from the face of the utility pole to the trench wall MUST be maintained or the pole must be held by the effect utility. Cost of holding to be paid for by the contractor.
- Contractor is to provide a minimum of one (1) week's notice to MCSE for all planned water outages.
- During water outages, water is to be restored by the end of the workday.
- Test Bore locations are indicated on the plans. Subsurface Investigation and Boring Log can be found in Appendix B in the project Specifications.

WATER NOTES

- If an existing water service is in conflict with the proposed water main, the contractor is to re-route the service over the proposed water main. Contractor to furnish all labor, materials and equipment to perform the work. Price of this work is to be included in the price of the water main.
- Fire Hydrants printed on drawings are NOT TO SCALE. They are intended for reference. In some cases they may appear to be in conflict with other utilities, but they designed to meet proper utility separation.
- Contractor is to set all hydrants and valves to grade at the time of installation. See 915.04 (B)(8)
- Contractor is to call MCSE PERMITS AT (330) 723-9585 to schedule a meter vault to each water service connection as required.
- Joint sealer is to be used around square boxouts for all gate valves and water shut off valves.
- Box out material should match existing

MEDINA COUNTY ENGINEER NOTES

- Contractor to obtain highway use permit from MCE for work on State Road (TH-44).
- If drive pipe is to be disturbed or conduit placed between EOP & drive culvert, a driveway permit is to be obtained from MCE.
- If ditch enclosure is to be disturbed, a ditch enclosure permit is to be obtained from MCE.
- Premium backfill on State Road (TH-44) shall be 304 used under pavement and #57 Limestone shall be used outside of pavement per details on this sheet. Backfill should have 95% compaction.
- Compaction of backfill should have 12" lifts
- Bore Pit Locations are to be submitted and approved by MCSE & MCE prior to permit approval.
- Contractor must verify all elevations
- All pavement to be saw cut
- Pavement is not to be disturbed when installing all hydrants and valves on the water main and all manholes & air release valves and shut off valves on the sanitary force main.
- Inclement Weather Detail to be utilized between Nov 15 and March 15 or at the discretion of the Township Road Authority.
- All open trenches are to be covered with steel plates and with barrels at night per MCE regulations.

OHIO EPA GENERAL NOTES

- A minimum 35 PSI pressure shall be delivered to the curb stop boxes during normal operating conditions for all water service connections.
- Booster pumps are not permitted on water service connections.
- The sanitary sewers must pass a leakage test which shall be a low pressure air test in accordance with the "Ten State Standards" section 33.95 and ASTM F-1417 hydrostatic testing will have a leakage limit of 100 Gal./In./Mi./Day.
- All sanitary manholes shall be air tested per ASTM specification C 1244-93 to verify water tightness and proper construction per plan details.
- All flexible sanitary sewers must pass a deflection test (5% Max.)

Deflection tests shall be performed no sooner than 30 days following completion of backfill. Maximum ring deflection of the pipe under load shall be limited to 5% of the average inside diameter listed in ASTM D-2751 for ABS solid wall pipe and ASTM D-2680 for ABS composite wall pipe. ASTM-3034 for Polyvinyl Chloride (PVC) pipe lists outside dimensions and minimum wall thicknesses which may be used to calculate applicable base diameters. The proper sized mandrels shall be pulled through the pipe.

All pipe failing to maintain the minimum deflection diameter or larger for the applicable type of pipe shall be considered to have been improperly installed and shall be relayed or replaced by the contractor at their expense.
- All water mains shall be installed and pressure tested per AWWA C600.
- All water mains shall be disinfected per AWWA C651.
- The following minimum horizontal separations (measured out-to-out clear) between the proposed water line and the sewers shall be maintained:
A. 10 foot separation from the storm sewer
B. 10 foot separation from the sanitary sewer
- The following minimum vertical clearances (measured out-to-out clear) between the proposed water line and the sewers shall be maintained:
A. 18 inch clearance from the storm sewer
B. 18 inch clearance from the sanitary sewer

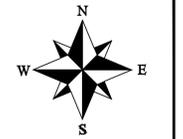
Water Lines	County of Medina 791 West Smith Road Medina, Ohio 44256 (216) 225-3113 or (330) 723-9575
Sanitary Sewers	
Storm Sewers	
Fiber Optic	Medina County Fiber Optic Network 144 N Broadway Street Medina, Ohio 44256 (216) 722-9215
Ohio 811	Registered Underground Utilities Protection Service 1-800-362-2764

Additional Notes for Townships and County Highways:

Medina County Highway Engineer inspectors will periodically check that:

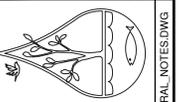
- Signs & Flaggers (Patrolmen) are used every day.
- The road is washed every day.
- The excavated area is closed or plated daily.
- Premium fill is used if the trench is within 5'-0" of the edge of the pavement.
- Trench boxes & ladders are used as required by M.C.H.E.
- All equipment is parked 10'-0" minimum from the pavement edge.

CAUTION:
Contact all utilities by calling
OHIO811 1-800-362-2764
before beginning construction



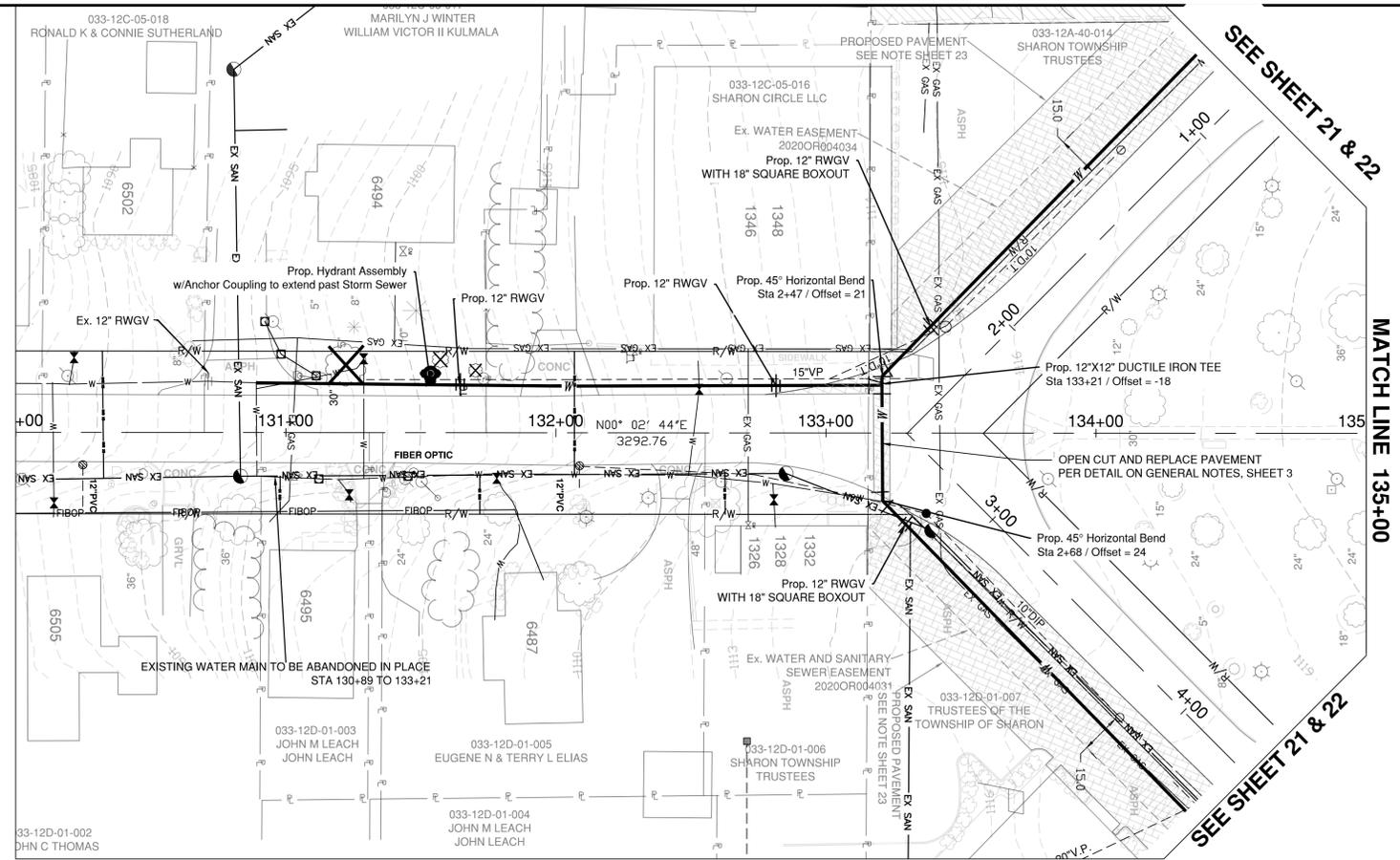
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DRAWN BY:	REVIEWED BY:
DATE: SEPTEMBER 2014	DATE: SEPTEMBER 2014
SCALE: N/A / N/A	SCALE: N/A / N/A
DESCRIPTION	BY:
DATE	

GENERAL NOTES AND DETAILS

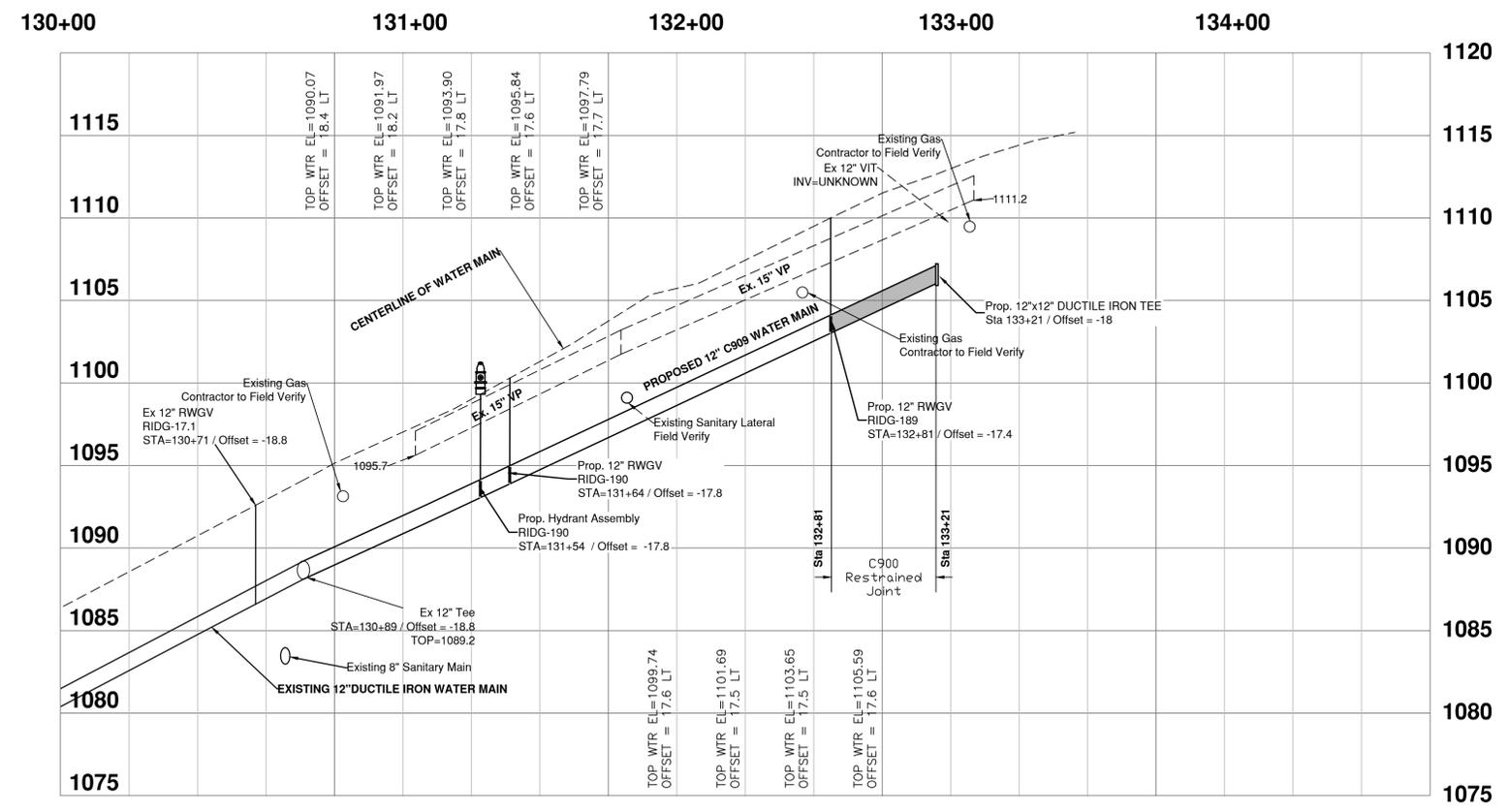


PLAN PREPARED BY:
**MEDINA COUNTY
SANITARY ENGINEER**
AMY S. LYON-GALVIN, P.E.
791 WEST SMITH RD.
MEDINA, OHIO 44256
(330) 723-9585

PROJECT NUMBER	SW-500/00-281.1
SHEET NUMBER	3 of 90



RIDGE ROAD - S.R. 94 - S.H. 553 (VARIABLE WIDTH)

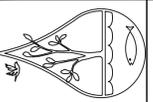




COUNTY: MEDINA	TOWNSHIP: SHARON	DRAWN BY:	REVIEWED BY:	DATE: 2017
SCALES: HORIZONTAL 1" = 30' / VERTICAL 1" = 5'				
				DATE
				DESCRIPTION
				BY:

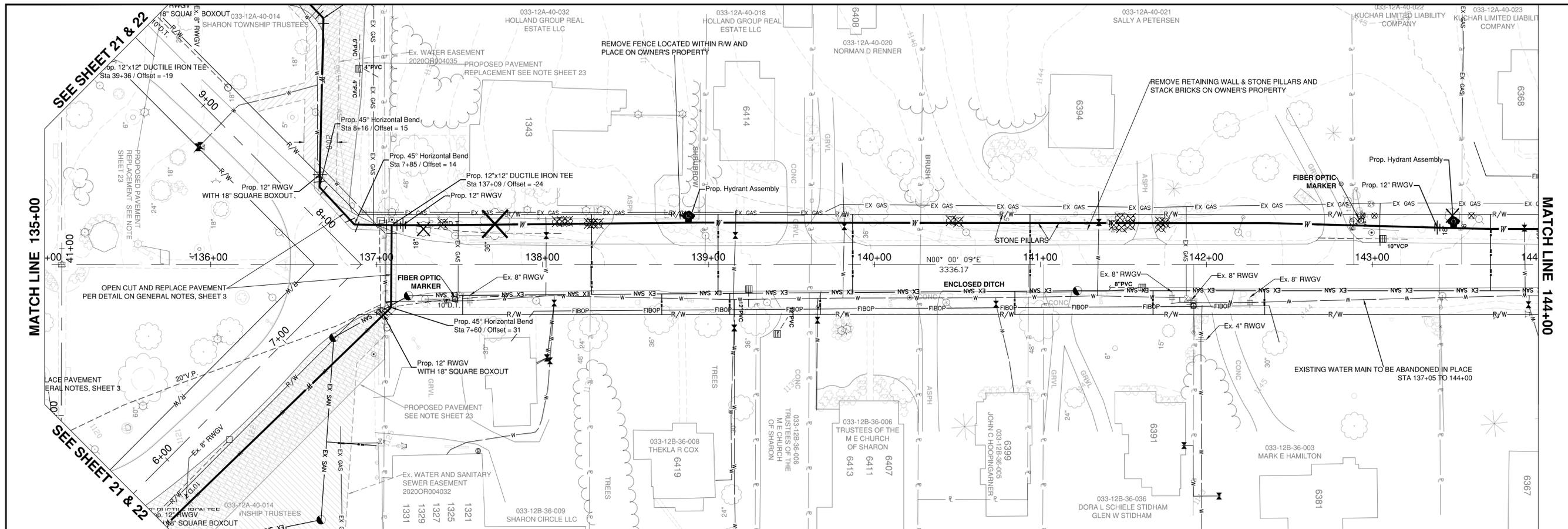
- PLAN/PROFILE -
RIDGE ROAD - S.R. 94 - S.H. 553
SHARON TOWNSHIP WATER AND SANITARY
IMPROVEMENTS

STA. 126+00 to STA. 135+00

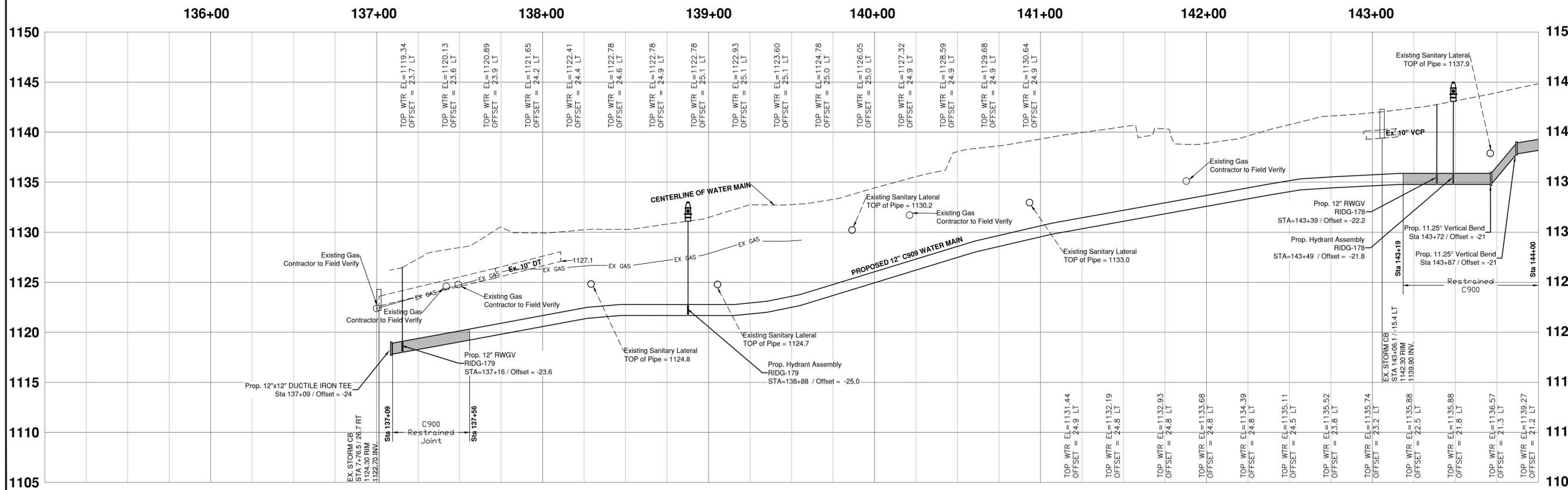


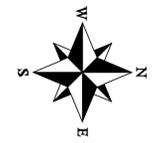
PREPARED BY:
MEDINA COUNTY
SANITARY ENGINEER
 AMY S. LYON-GALVIN, P.E.
 791 WEST SMITH RD.
 MEDINA, OHIO 44256
 (603) 723-9585

PROJECT NUMBER	SW-500/00-281.1
SHEET NUMBER	4 of 90



RIDGE ROAD - S.R. 94 - S.H. 553 (VARIABLE WIDTH)



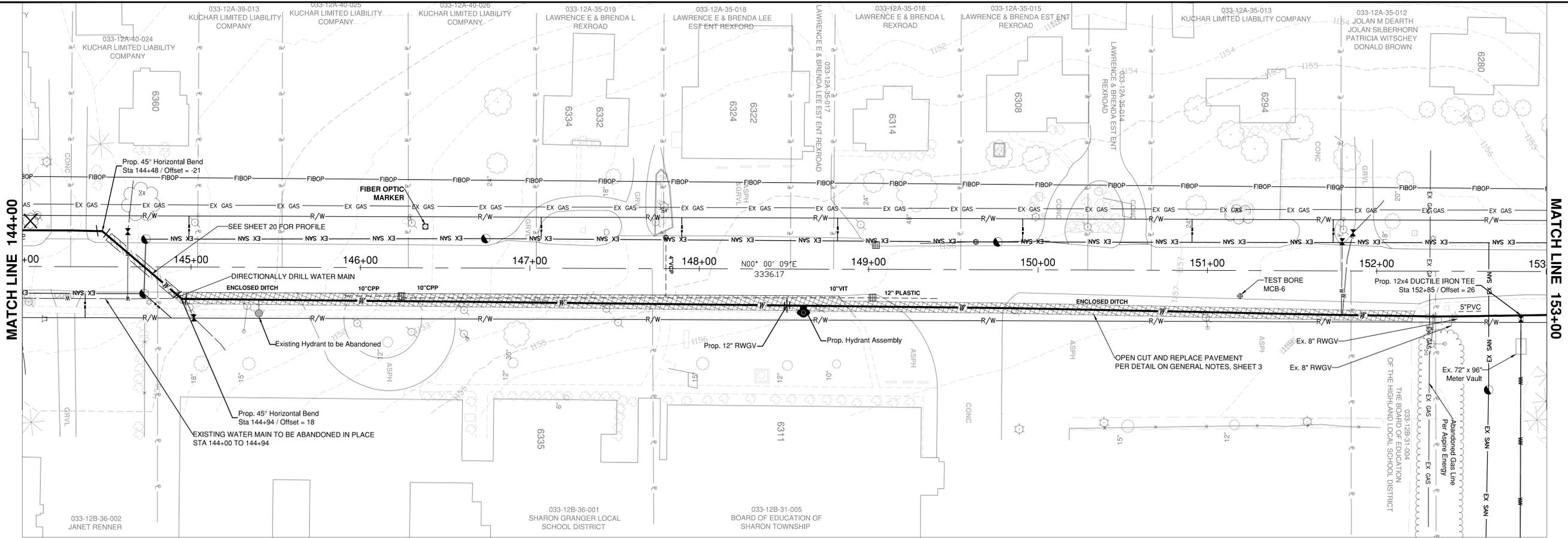


COUNTY: MEDINA	TOWNSHIP: SHARON	DATE: 2017	BY:
DRAWN BY:	REVIEWED BY:	SCALE: HORIZONTAL 1" = 30' / VERTICAL 1" = 5'	DESCRIPTION
PROJECT NUMBER		DATE	
SW-500/00-281.1			
SHEET NUMBER			
5 of 90			

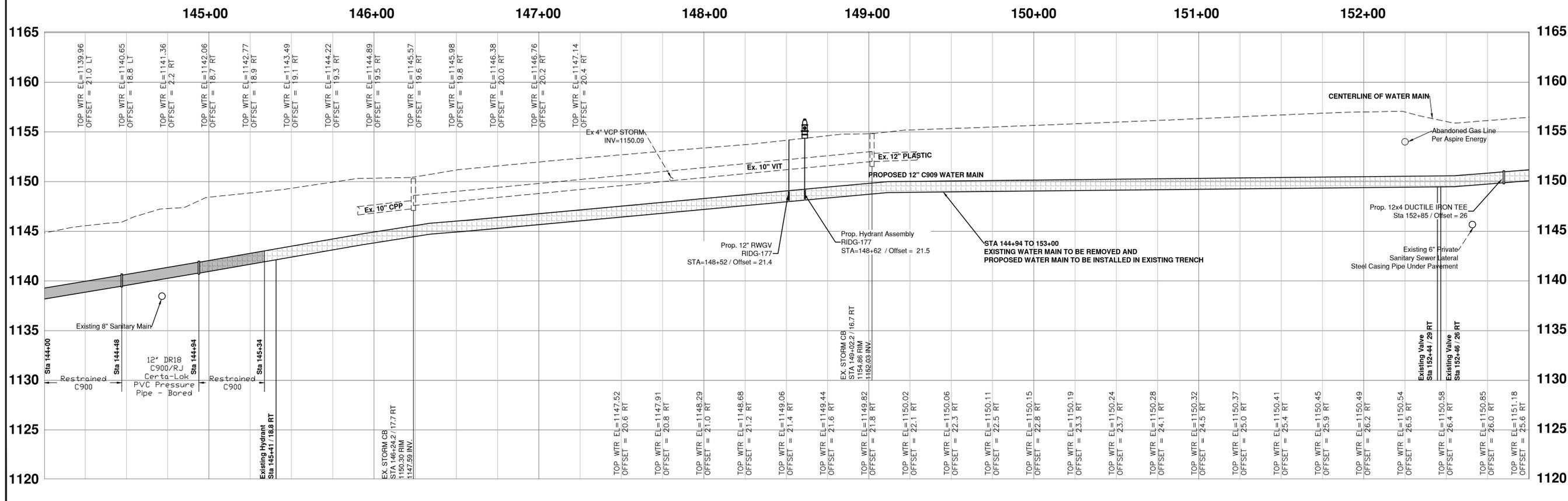
- PLAN/PROFILE -
RIDGE ROAD - S.R. 94 - S.H. 553
SHARON TOWNSHIP WATER AND SANITARY
IMPROVEMENTS
STA. 135+00 TO STA. 144+00

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 701 WEST SMITH RD.
 MEDINA, OHIO 44256
 (609) 723-9585

J:\DRAWINGS\DESIGN\SHARON\RIDGE\PLAN\PRO.DWG

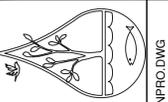


RIDGE ROAD - S.R. 94 - S.H. 553 (VARIABLE WIDTH)



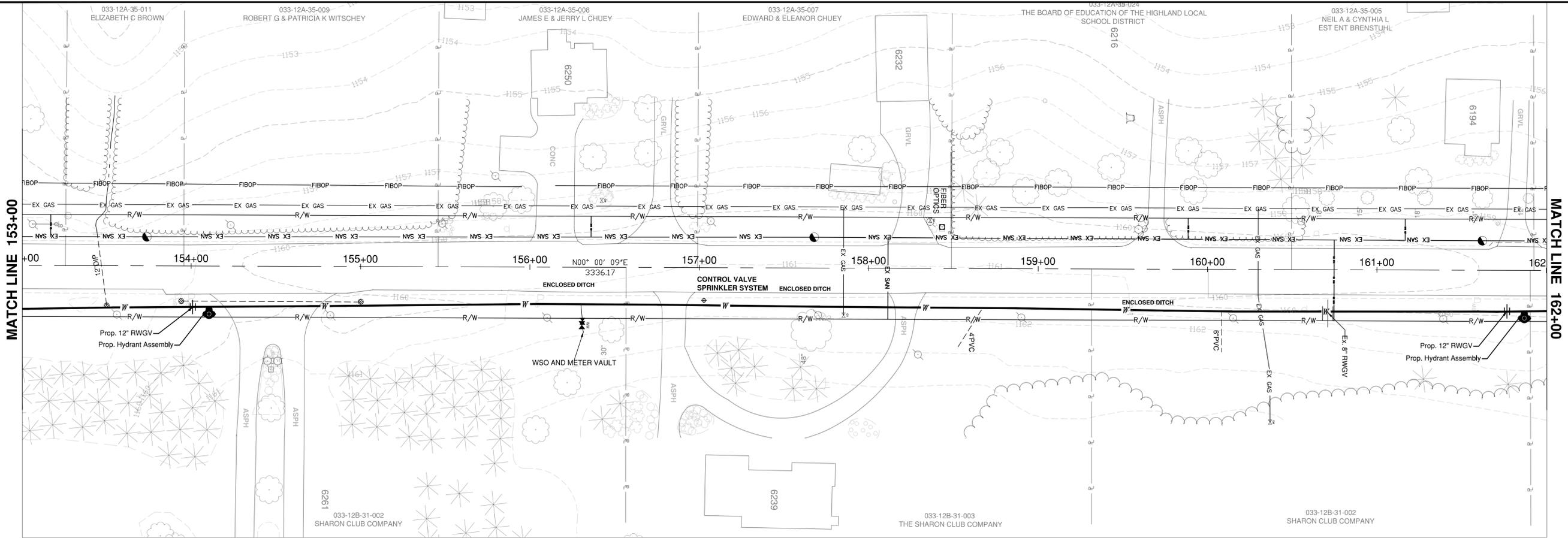


COUNTY: MEDINA	TOWNSHIP: SHARON	DRAWN BY:	REVIEWED BY:	DATE: 2020
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PROJECT NUMBER		DESCRIPTION		
SW-500/00-281.1		RIDGE ROAD - S.R. 94 - S.H. 553 SHARON TOWNSHIP WATER AND SANITARY IMPROVEMENTS		
SHEET NUMBER		DATE		
6 of 90		STA. 144+00 to STA. 153+00		

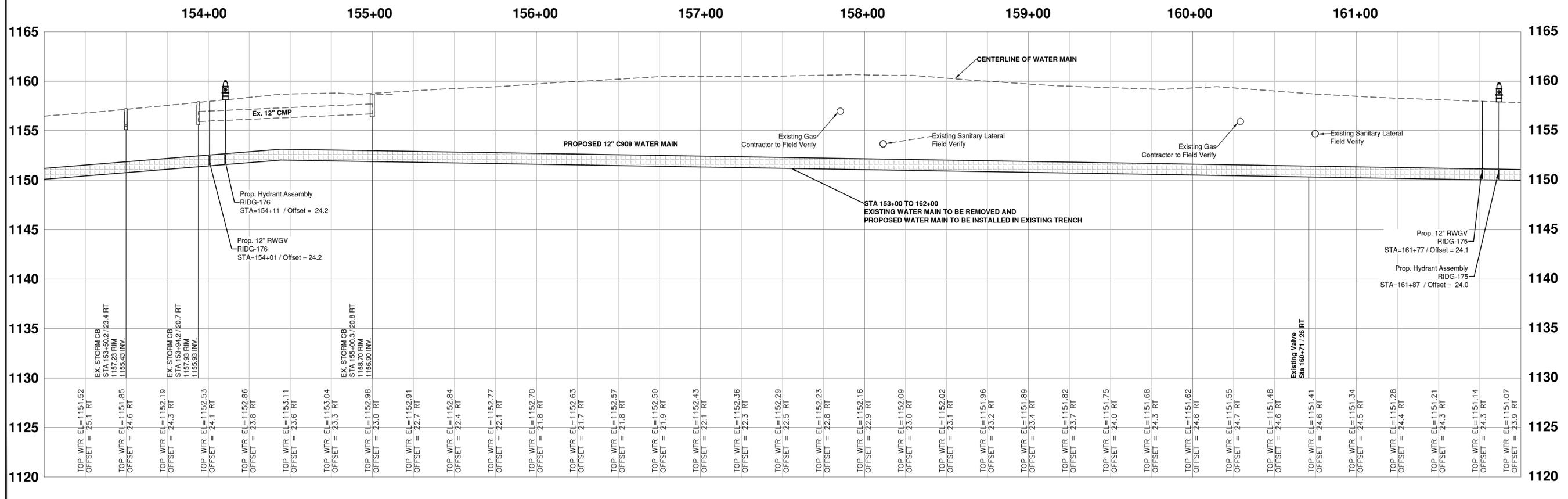


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 791 WEST SMITH RD.
 MEDINA, OHIO 44256
 (630) 723-9585

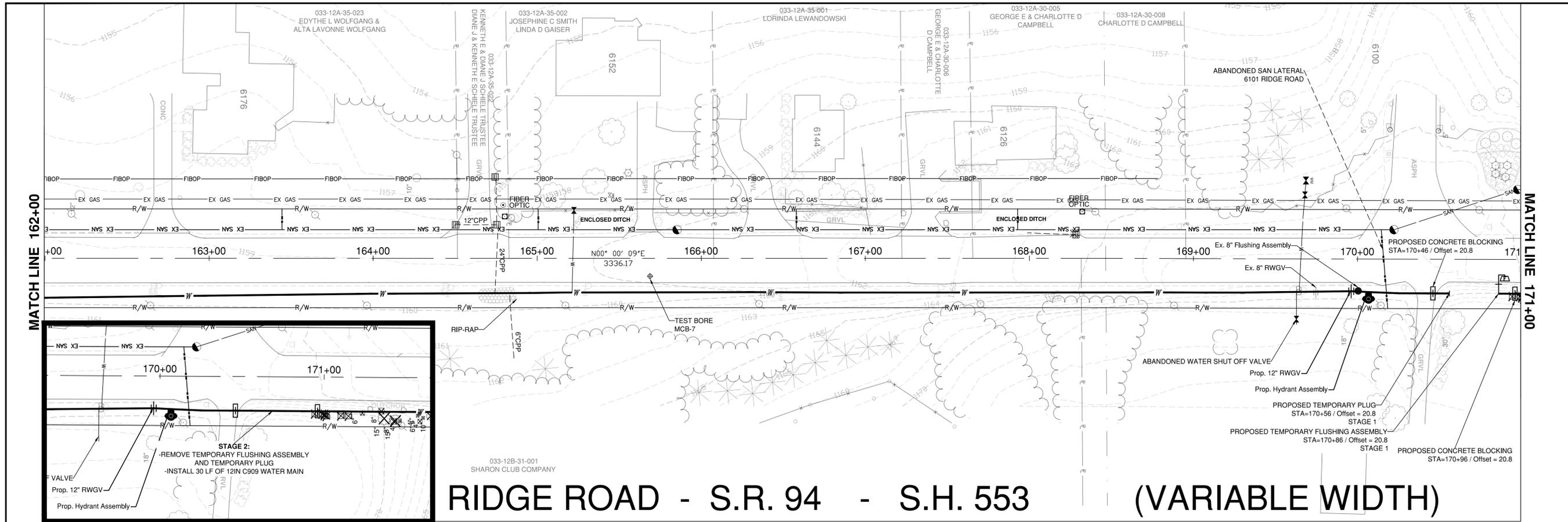
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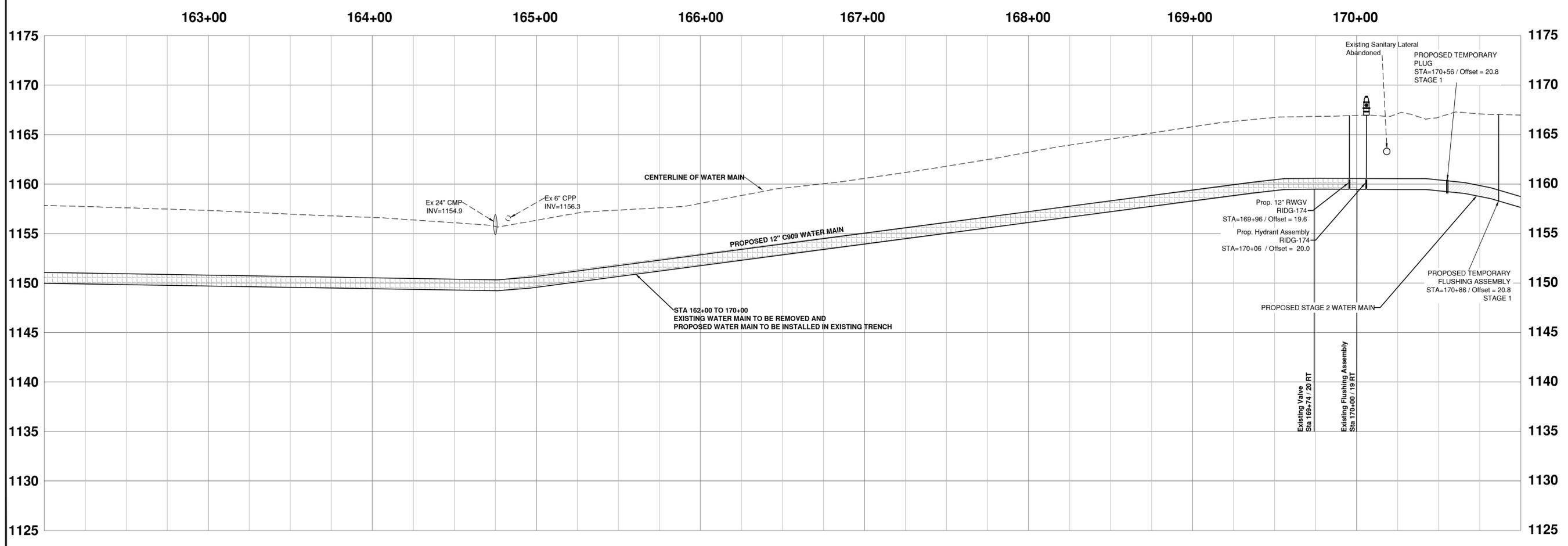
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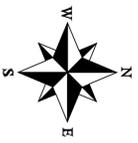


COUNTY: MEDINA	TOWNSHIP: SHARON	DRAWN BY:	REVIEWED BY:	DATE: 2020
SCALES: HORIZONTAL 1" = 30' / VERTICAL 1" = 5'				
- PLAN/PROFILE - RIDGE ROAD - S.R. 94 - S.H. 553 SHARON TOWNSHIP WATER AND SANITARY IMPROVEMENTS				
STA. 153+00 to STA. 162+00				
MEDINA COUNTY SANITARY ENGINEER AMY S. LYON-GALVIN, P.E. 791 WEST SMITH RD. MEDINA, OHIO 44856 (630) 723-9585				
J:\DRAWINGS\DESIGN\SHARON\RIDGE\PLAN\PROJ.DWG				
PROJECT NUMBER				
SW-500/00-281.1				
SHEET NUMBER				
7 of 90				



RIDGE ROAD - S.R. 94 - S.H. 553 (VARIABLE WIDTH)

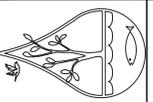




COUNTY: MEDINA	TOWNSHIP: SHARON	REVIEWED BY:	DATE: 2020
DRAWN BY:		SCALES: HORIZONTAL 1" = 30' / VERTICAL 1" = 5'	
DATE		DESCRIPTION	

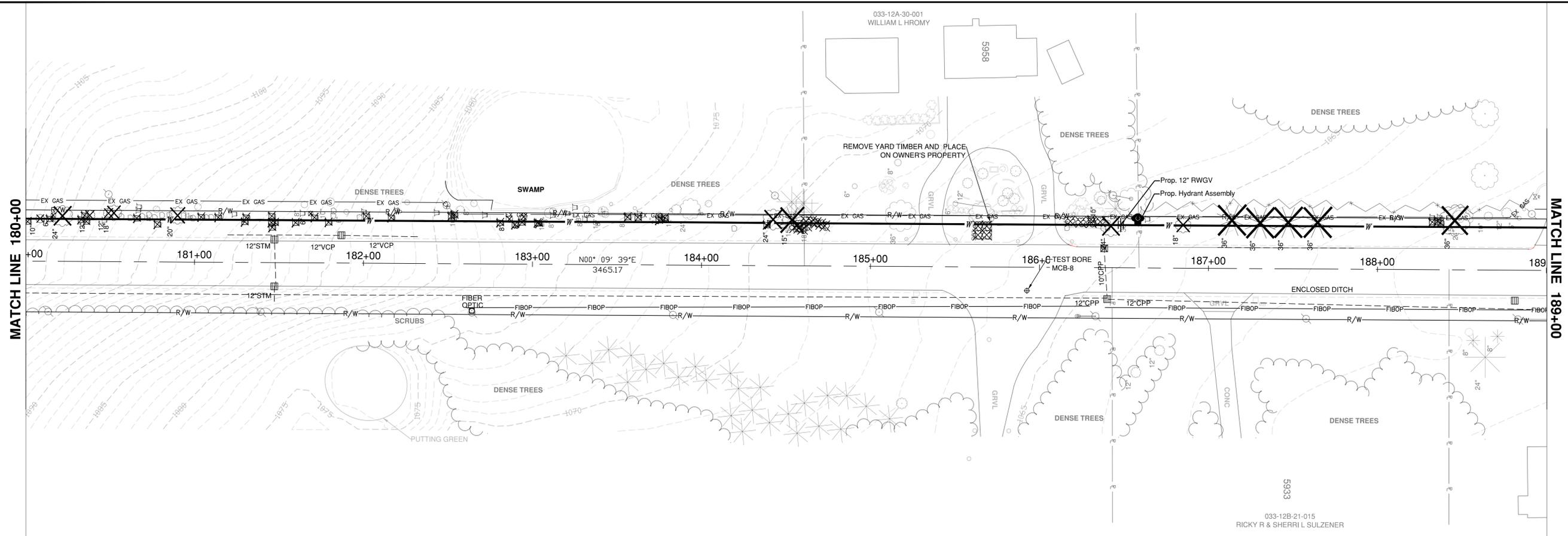
- PLAN/PROFILE -
RIDGE ROAD - S.R. 94 - S.H. 553
SHARON TOWNSHIP WATER AND SANITARY
IMPROVEMENTS

STA. 162+00 TO STA. 171+00

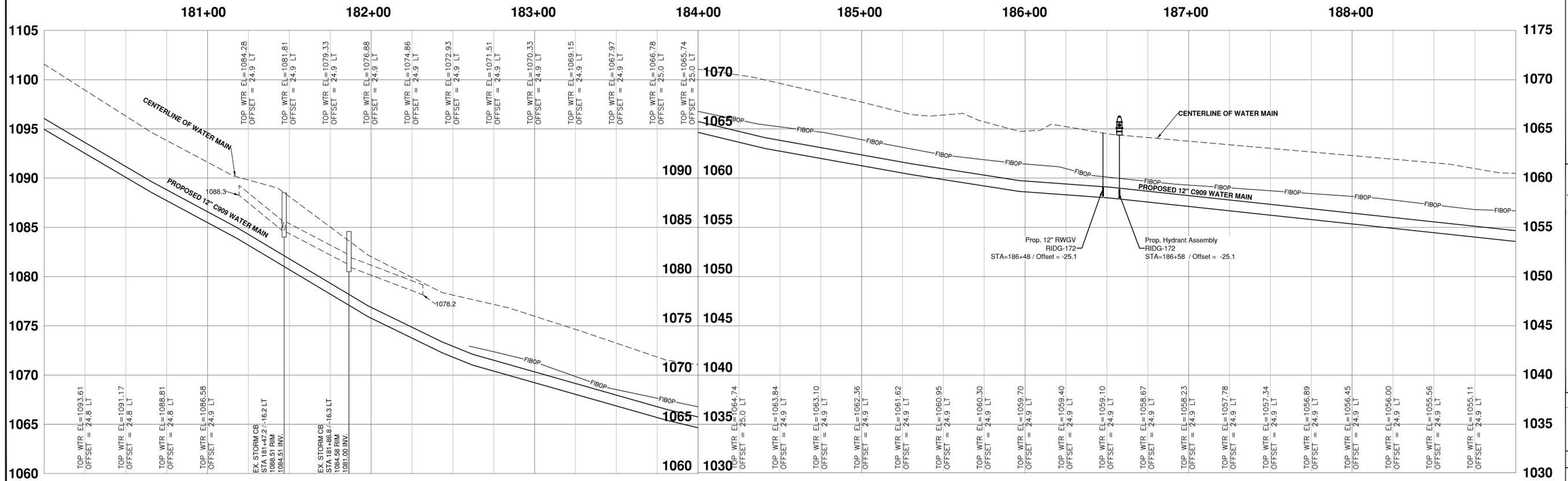


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 791 WEST SMITH RD.
 MEDINA, OHIO 44256
 (609) 723-9585

PROJECT NUMBER	1130
SHEET NUMBER	1125
8 of 90	



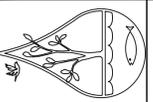
RIDGE ROAD - S.R. 94 - S.H. 553 (VARIABLE WIDTH)





COUNTY: MEDINA	TOWNSHIP: SHARON	REVIEWED BY:	DATE: 2020
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PROJECT NUMBER		SW-500/00-281.1	
SHEET NUMBER		10 of 90	
DATE		DESCRIPTION	
BY:		DATE	

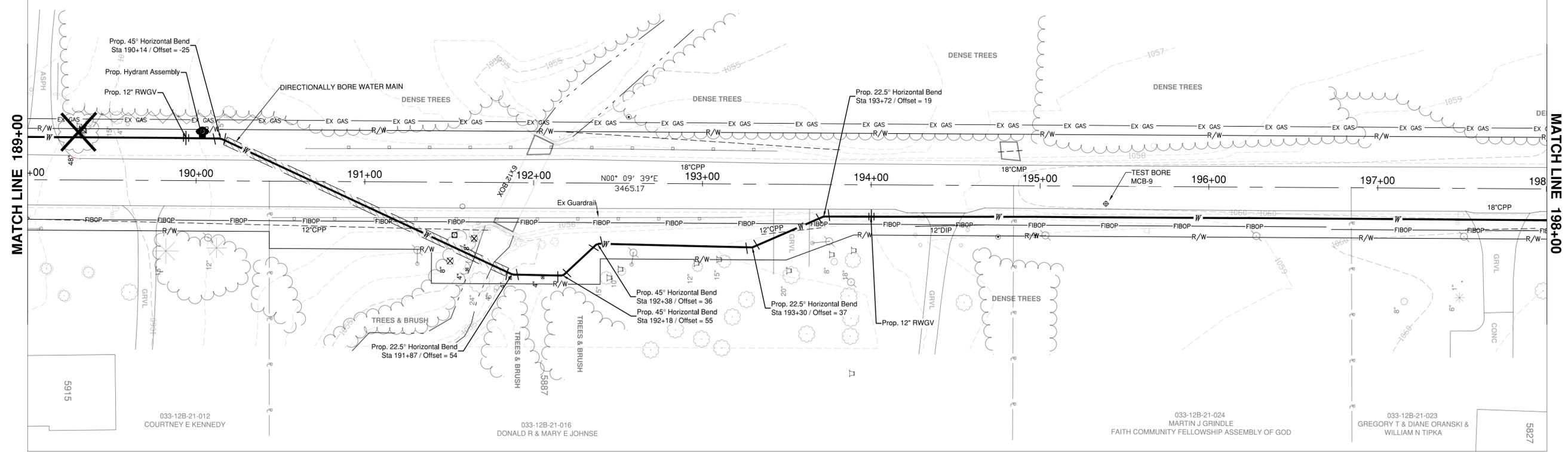
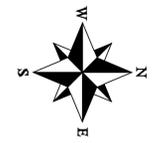
- PLAN/PROFILE -
RIDGE ROAD - S.R. 94 - S.H. 553
SHARON TOWNSHIP WATER AND SANITARY
IMPROVEMENTS
STA. 180+00 to STA. 189+00



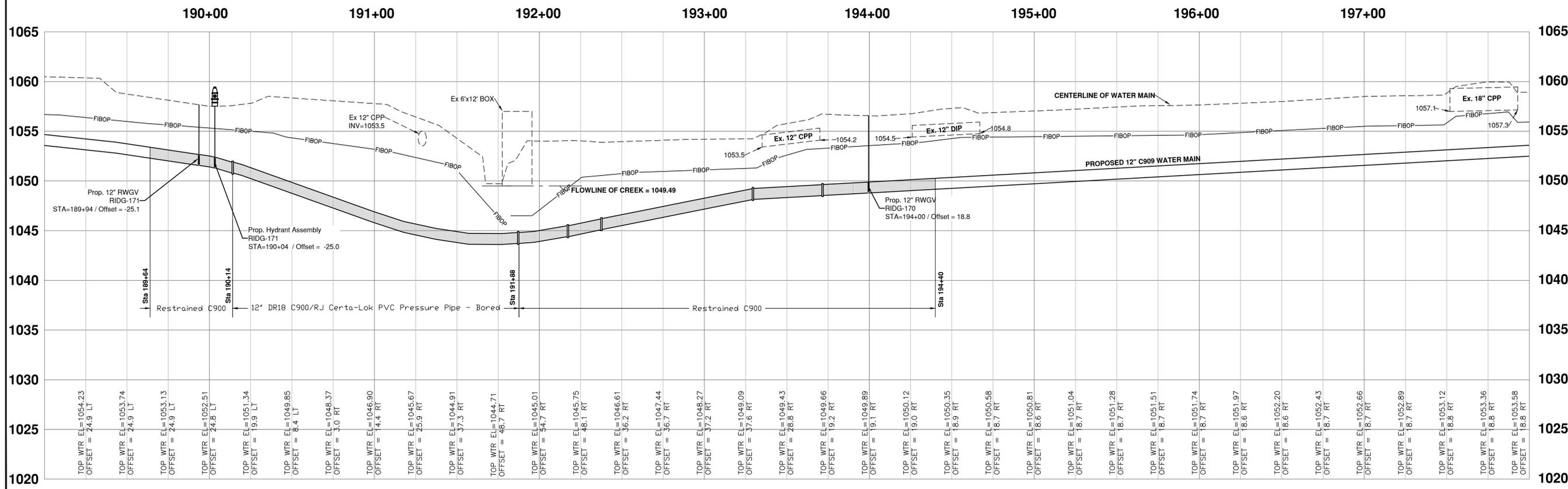
- PLAN PREPARED BY -
MEDINA COUNTY
SANITARY ENGINEER
 AMY S. LYON-GALVIN, P.E.
 791 WEST SMITH RD.
 MEDINA, OHIO 44356
 (609) 723-9585

033-12A-25-007
MEDINA COUNTY PARK DISTRICT

5922



RIDGE ROAD - S.R. 94 - S.H. 553 (VARIABLE WIDTH)



COUNTY: MEDINA	TOWNSHIP: SHARON
DRAWN BY:	REVIEWED BY:
DATE: 2020	
SCALES: HORIZONTAL 1" = 30' / VERTICAL 1" = 5'	
DATE	DESCRIPTION
BY:	

- PLAN/PROFILE -
RIDGE ROAD - S.R. 94 - S.H. 553
SHARON TOWNSHIP WATER AND SANITARY
IMPROVEMENTS
 STA. 189+00 to STA. 198+00

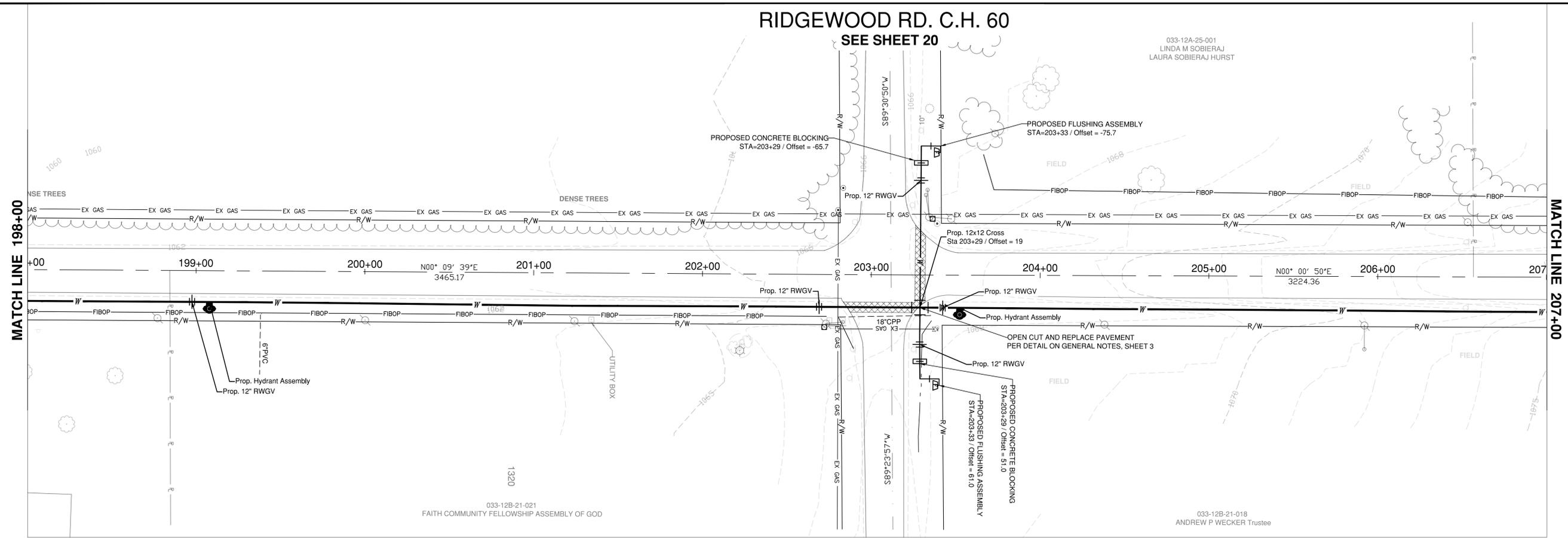
MEDINA COUNTY
 SANITARY ENGINEER
 AMY S. LYON-GALVIN, P.E.
 791 WEST SMITH RD.
 MEDINA, OHIO 44356
 (630) 723-9585

PROJECT NUMBER	SW-500/00-281.1
SHEET NUMBER	11 of 90

RIDGEWOOD RD. C.H. 60

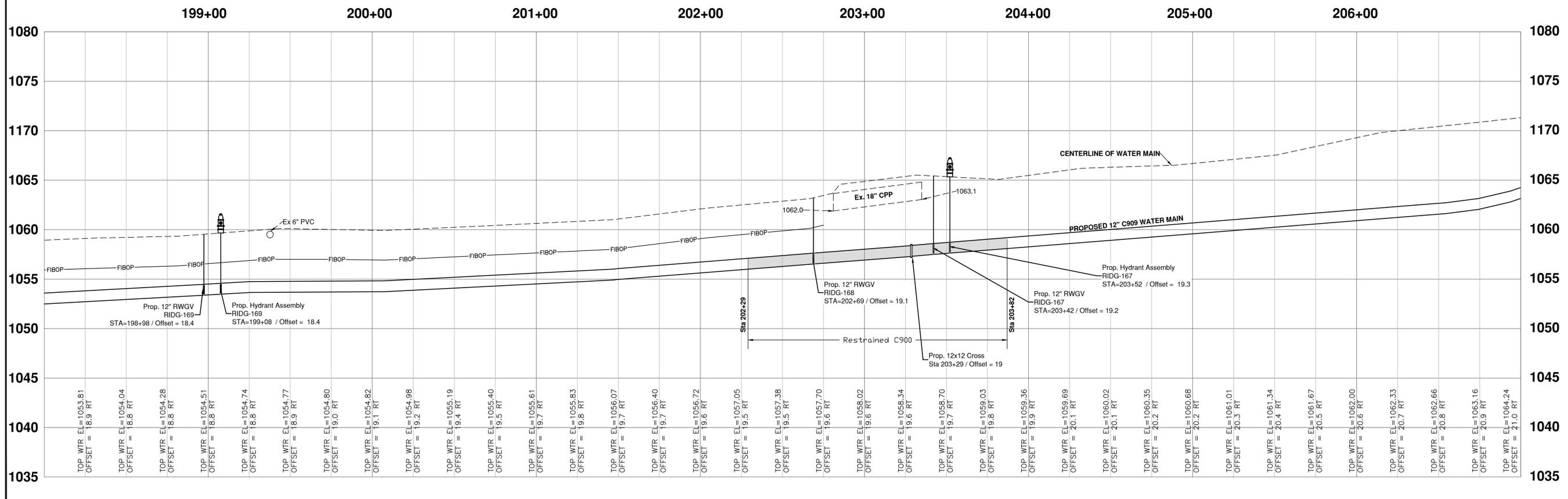
SEE SHEET 20

033-12A-25-001
LINDA M SOBIERAJ
LAURA SOBIERAJ HURST



COUNTY: MEDINA	TOWNSHIP: SHARON
DRAWN BY:	REVIEWED BY:
DATE: 2020	DATE: 2020
SCALES: HORIZONTAL 1" = 30' / VERTICAL 1" = 5'	
DATE	DESCRIPTION
BY:	

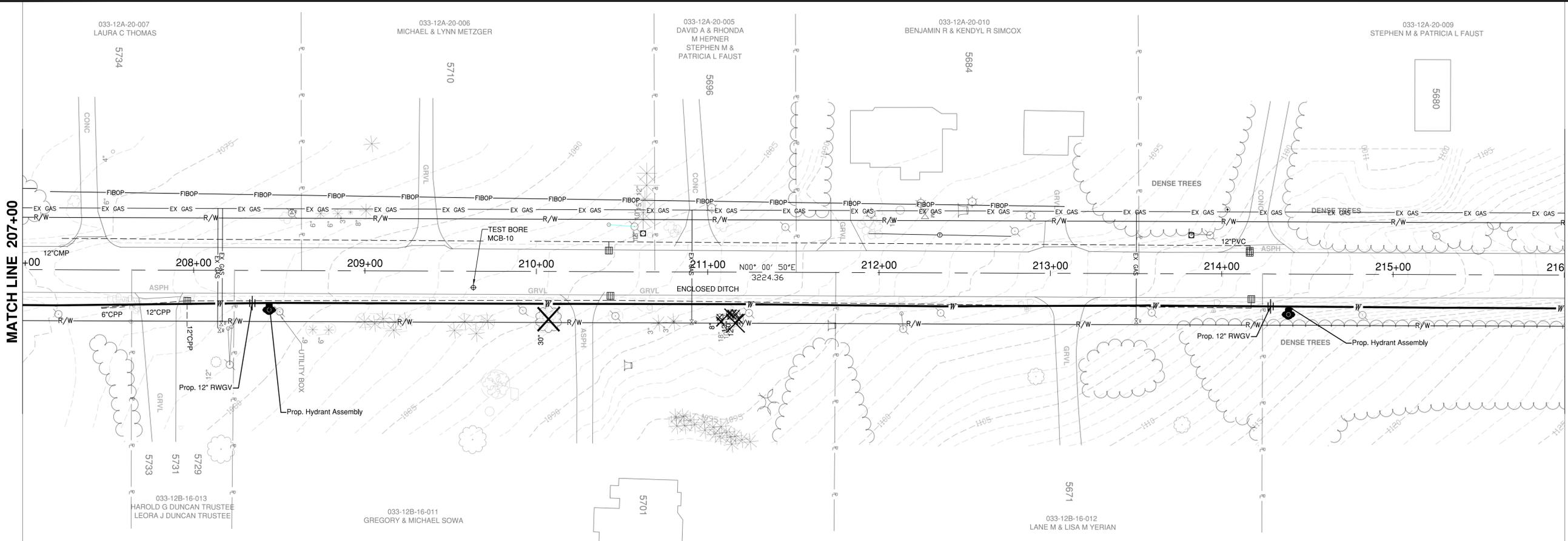
RIDGE ROAD - S.R. 94 - S.H. 553 (VARIABLE WIDTH)



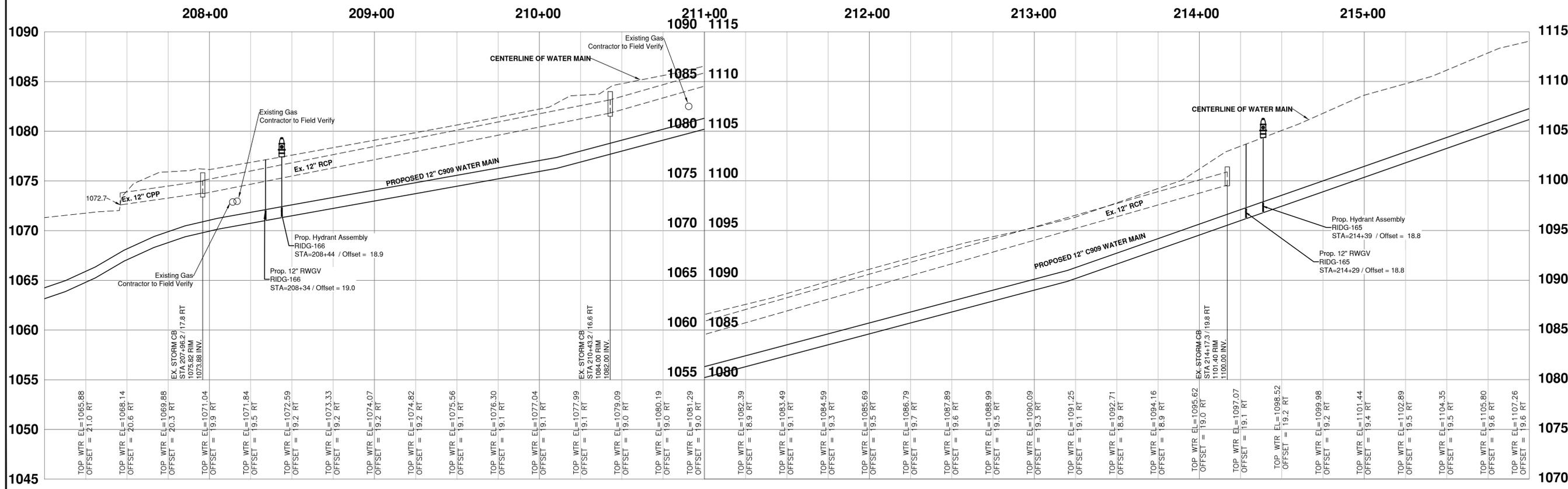
PLAN/PROFILE -
RIDGE ROAD - S.R. 94 - S.H. 553
SHARON TOWNSHIP WATER AND SANITARY
IMPROVEMENTS
STA. 198+00 to STA. 207+00

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791 WEST SMITH RD.
MEDINA, OHIO 44256
(609) 723-9585

PROJECT NUMBER	SW-500/00-281.1
SHEET NUMBER	12 of 90



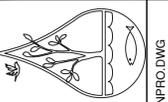
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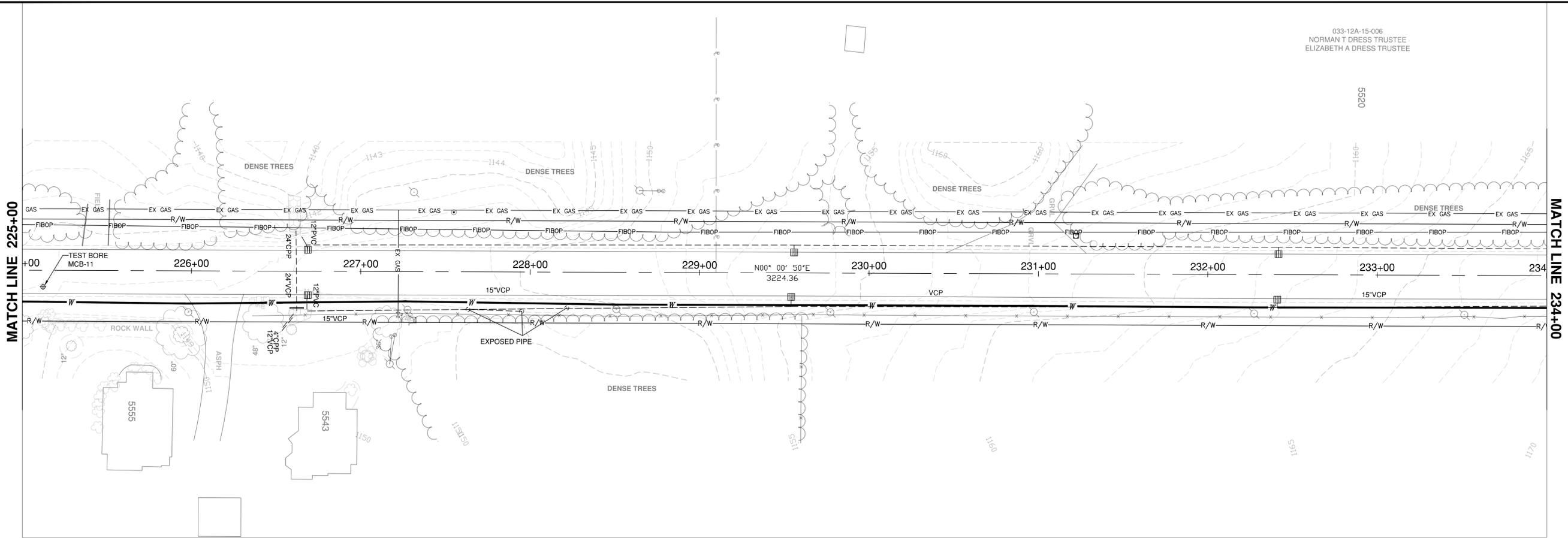
COUNTY: MEDINA	TOWNSHIP: SHARON	REVIEWED BY:	DATE: 2020
DRAWN BY:		SCALES: HORIZONTAL 1" = 30' / VERTICAL 1" = 5'	
DATE		DESCRIPTION	
DATE		BY:	

- PLAN/PROFILE -
RIDGE ROAD - S.R. 94 - S.H. 553
SHARON TOWNSHIP WATER AND SANITARY
IMPROVEMENTS

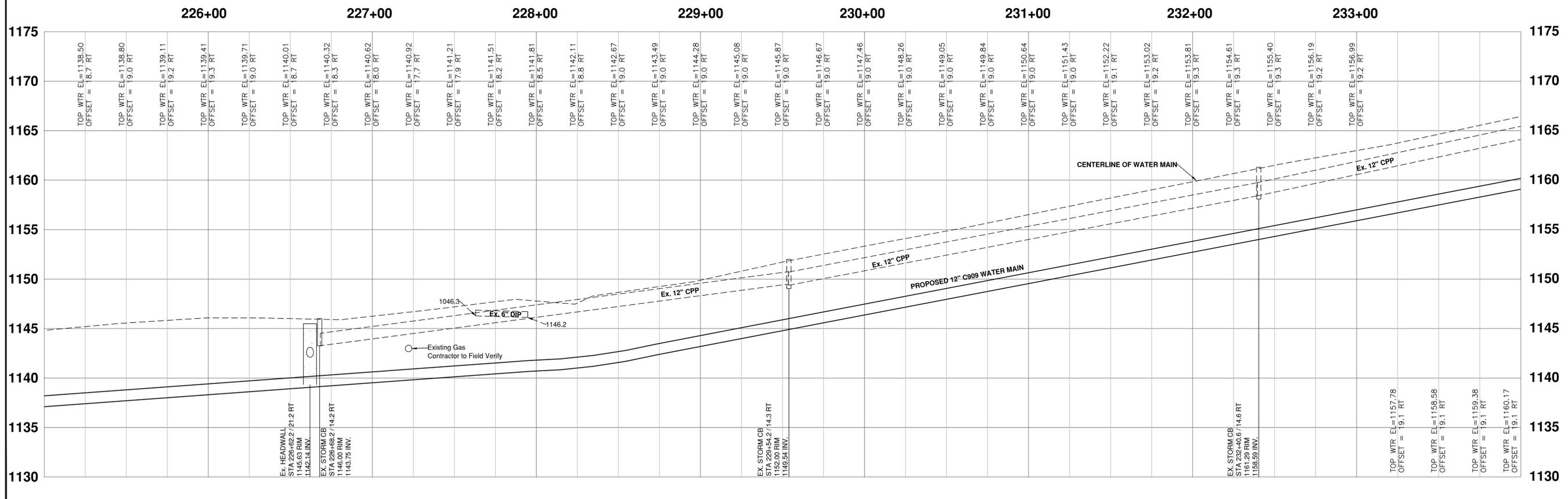


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 791 WEST SMITH RD.
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 (630) 723-9585

PROJECT NUMBER	SW-500/00-281.1
SHEET NUMBER	13 of 90



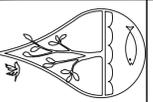
RIDGE ROAD - S.R. 94 - S.H. 553 (VARIABLE WIDTH)





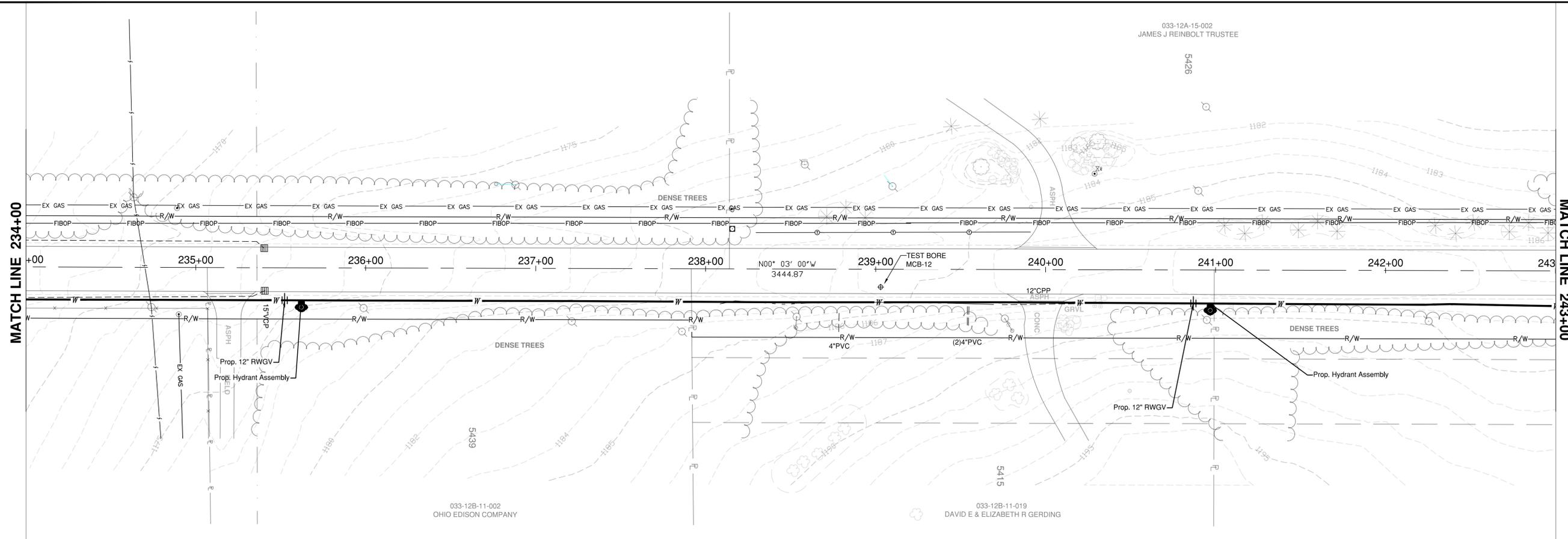
COUNTY: MEDINA	TOWNSHIP: SHARON	REVIEWED BY:	DATE: 2020
DRAWN BY:		SCALES: HORIZONTAL 1" = 30' / VERTICAL 1" = 5'	
DATE		DESCRIPTION	
BY:			

- PLAN/PROFILE -
RIDGE ROAD - S.R. 94 - S.H. 553
SHARON TOWNSHIP WATER AND SANITARY
IMPROVEMENTS
STA. 225+00 to STA. 234+00

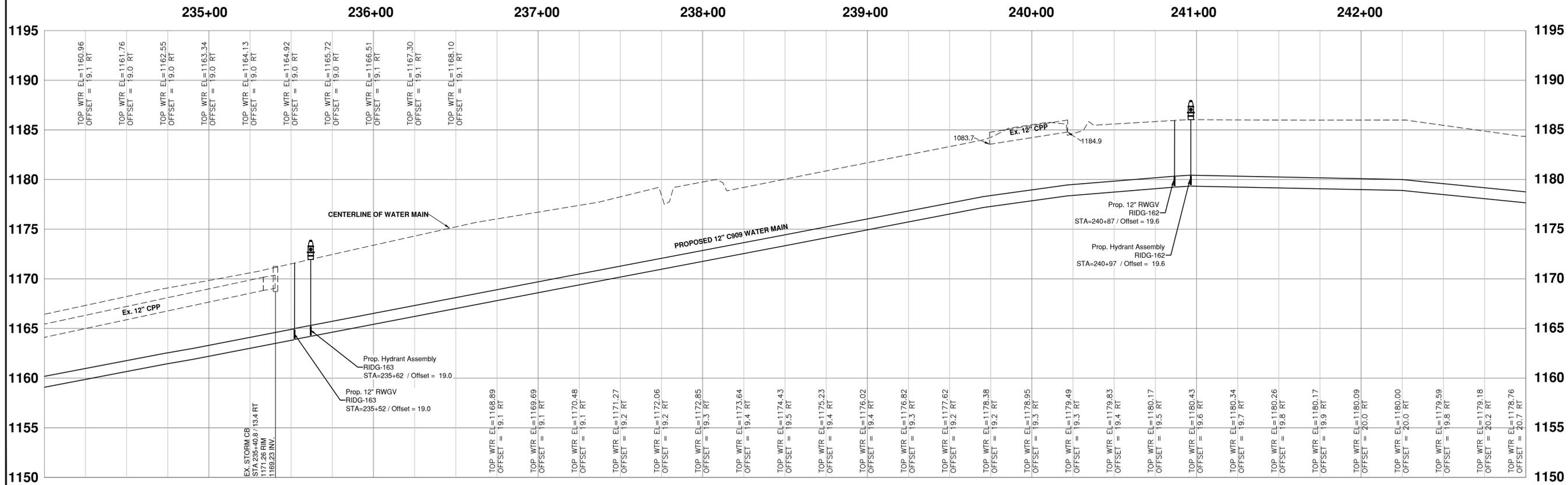


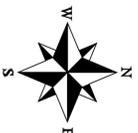
MEDINA COUNTY
SANITARY ENGINEER
 AMY S. LYON-GALVIN, P.E.
 791 WEST SMITH RD.
 MEDINA, OHIO 44256
 (609) 723-9585

PROJECT NUMBER	SW-500/00-281.1
SHEET NUMBER	15 of 90



RIDGE ROAD - S.R. 94 - S.H. 553 (VARIABLE WIDTH)

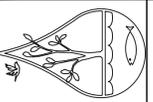




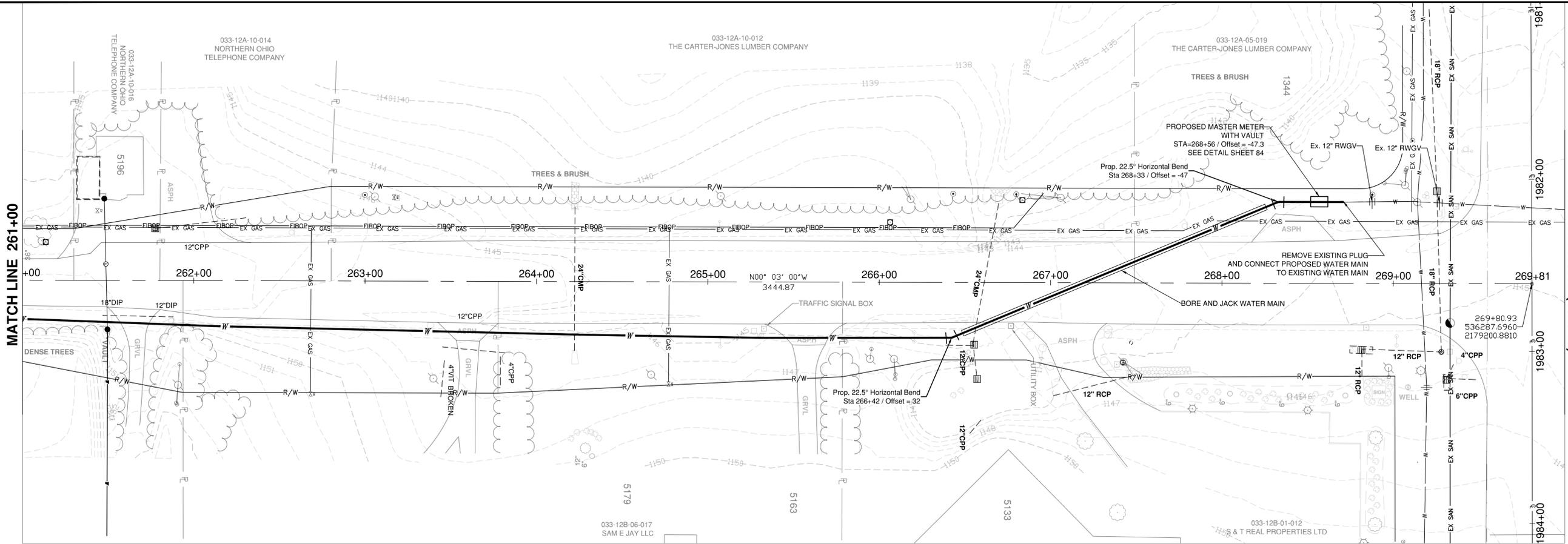
COUNTY: MEDINA	TOWNSHIP: SHARON	REVIEWED BY:	DATE: 2020
DRAWN BY:		SCALES: HORIZONTAL 1" = 30' / VERTICAL 1" = 5'	
PROJECT NUMBER		DESCRIPTION	
SW-500/00-281.1		STA. 234+00 to STA. 243+00	
SHEET NUMBER		BY:	
16 of 90			

PLAN/PROFILE -
RIDGE ROAD - S.R. 94 - S.H. 553
SHARON TOWNSHIP WATER AND SANITARY
IMPROVEMENTS

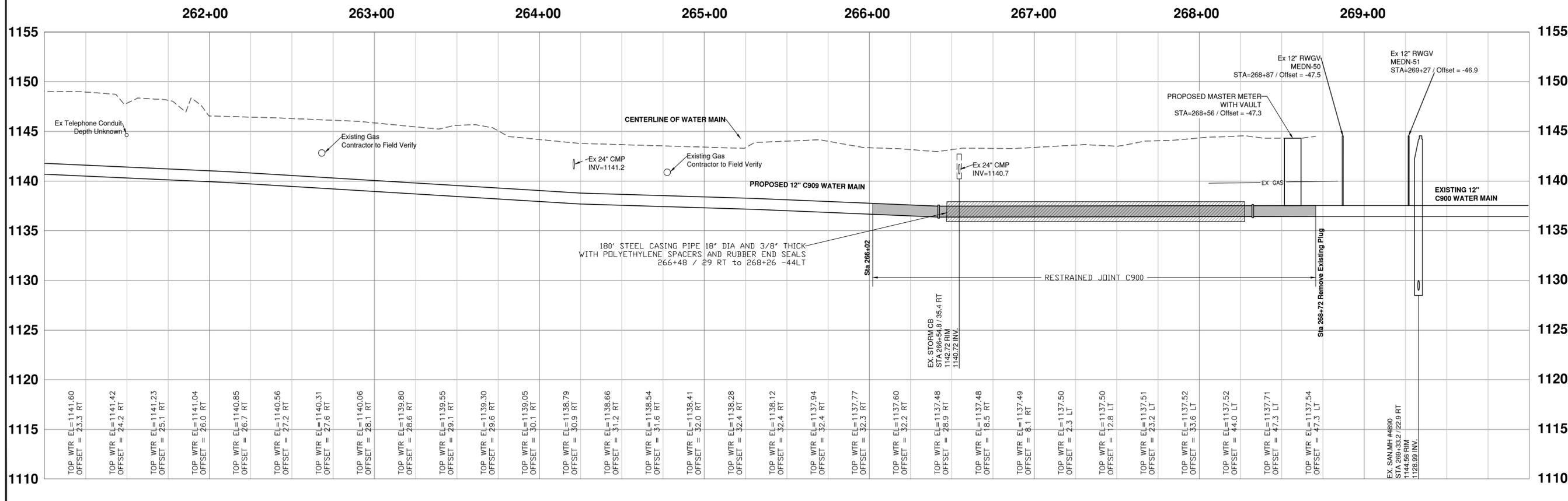
STA. 234+00 to STA. 243+00



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 MEDINA, OHIO 44856
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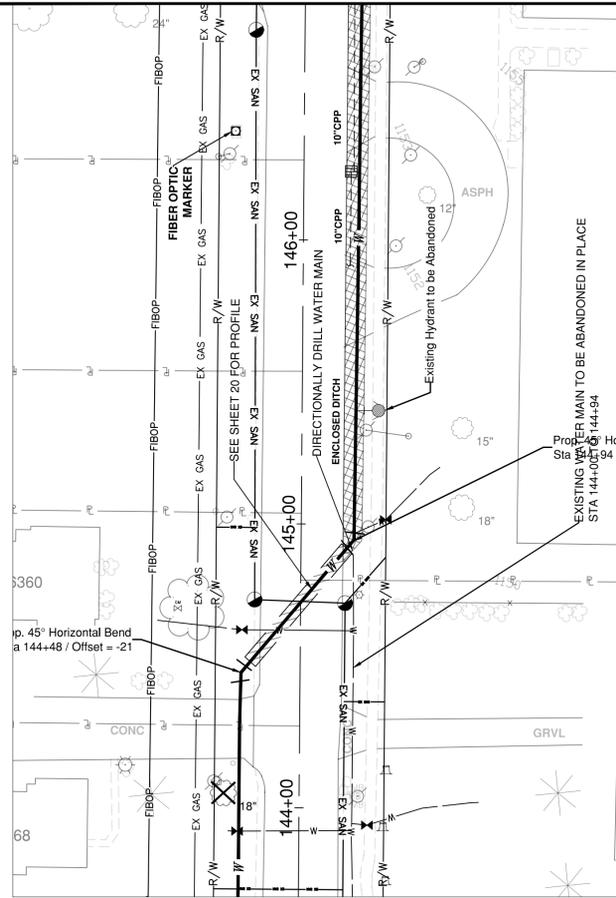


RIDGE ROAD - S.R. 94 - S.H. 553 (VARIABLE WIDTH)

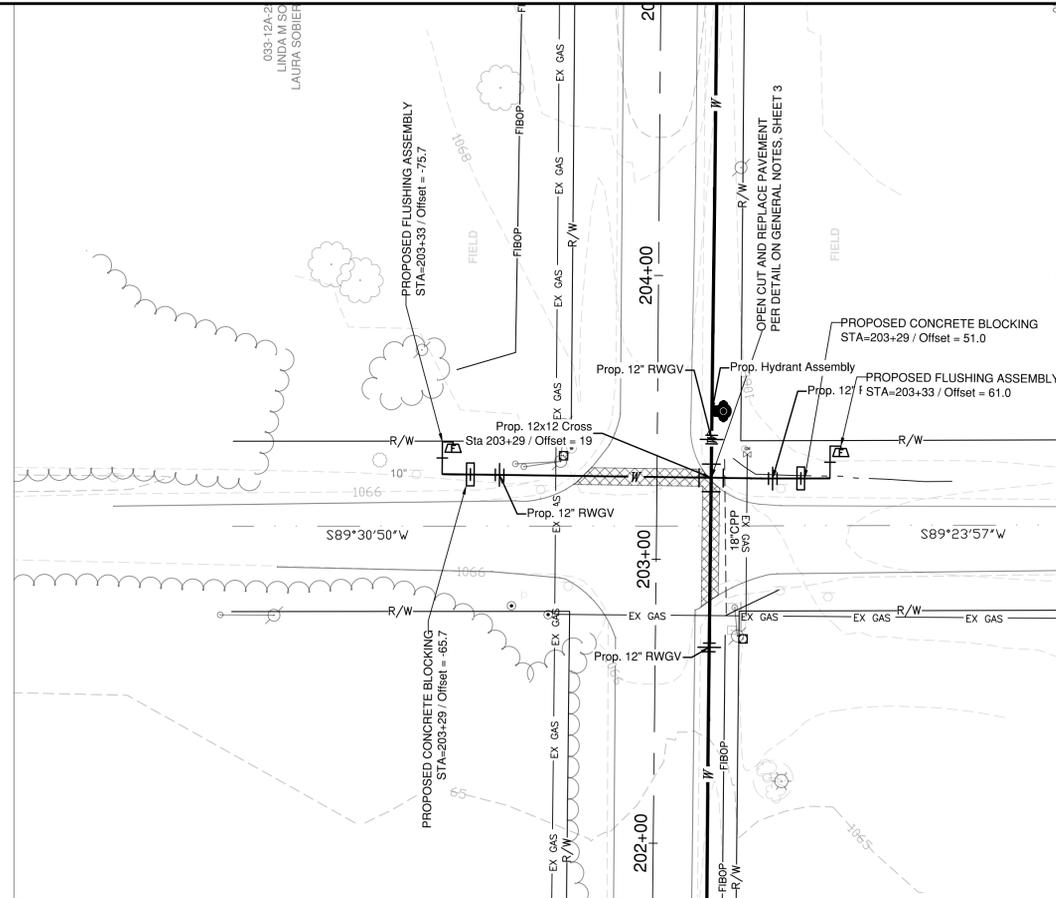
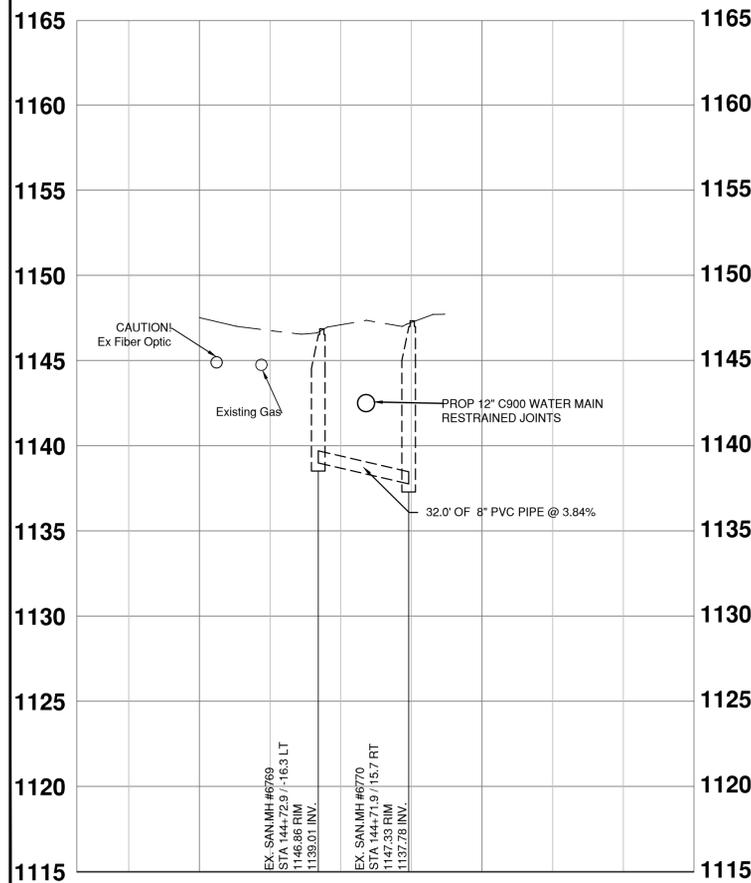


COUNTY: MEDINA	TOWNSHIP: SHARON	REVIEWED BY:	DATE: 2020	BY:
DRAWN BY:		SCALES: HORIZONTAL 1" = 30' / VERTICAL 1" = 5'		
PLAN/PROFILE - RIDGE ROAD - S.R. 94 - S.H. 553 SHARON TOWNSHIP WATER AND SANITARY IMPROVEMENTS				
PROJECT NUMBER SW-500/00-281.1				DATE
SHEET NUMBER 19 of 90				DESCRIPTION
STA. 261+00 to STA. 270+00				

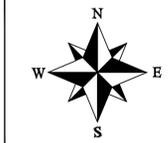
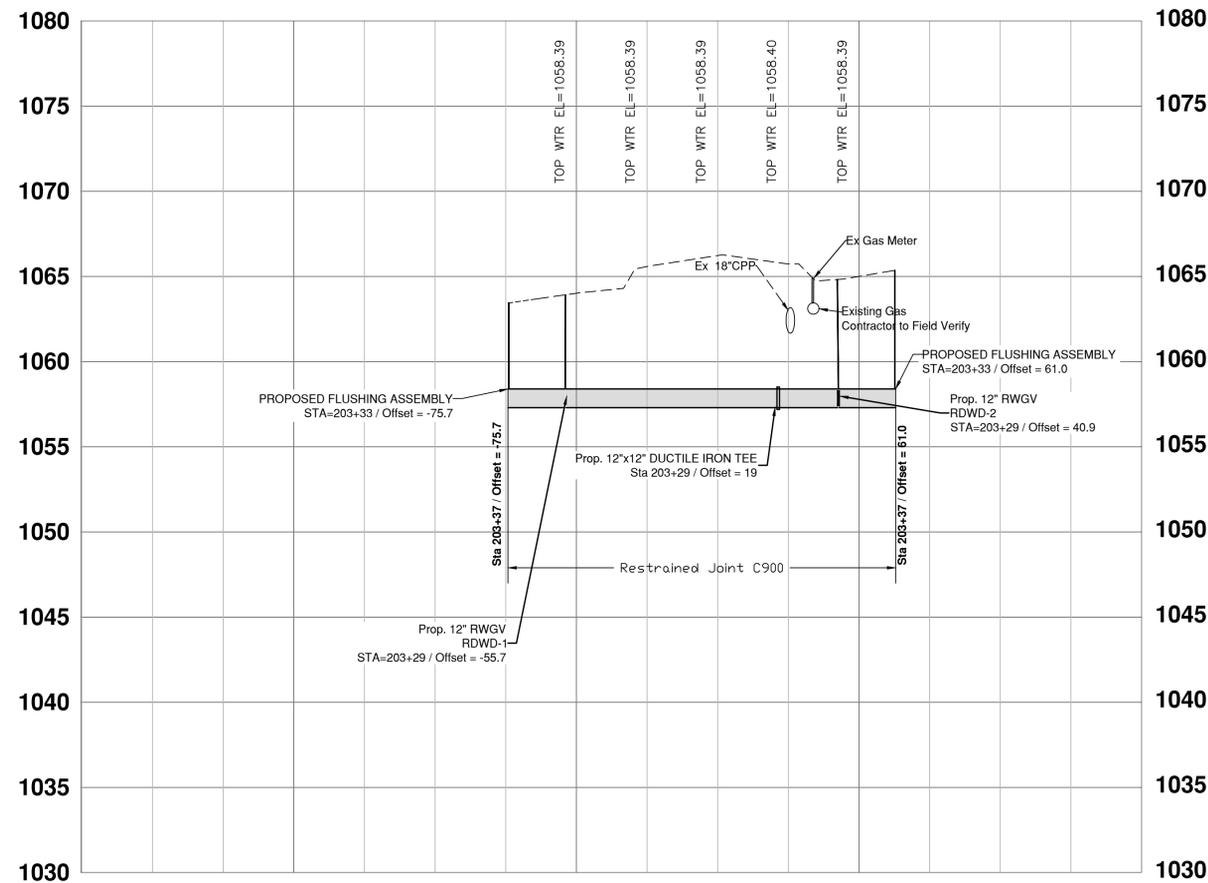
MEDINA COUNTY
 SANITARY ENGINEER
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 791 WEST SMITH RD.
 MEDINA, OHIO 44256
 (609) 723-9585



MH #6769 to MH #6770



RIDGEWOOD RD EXT



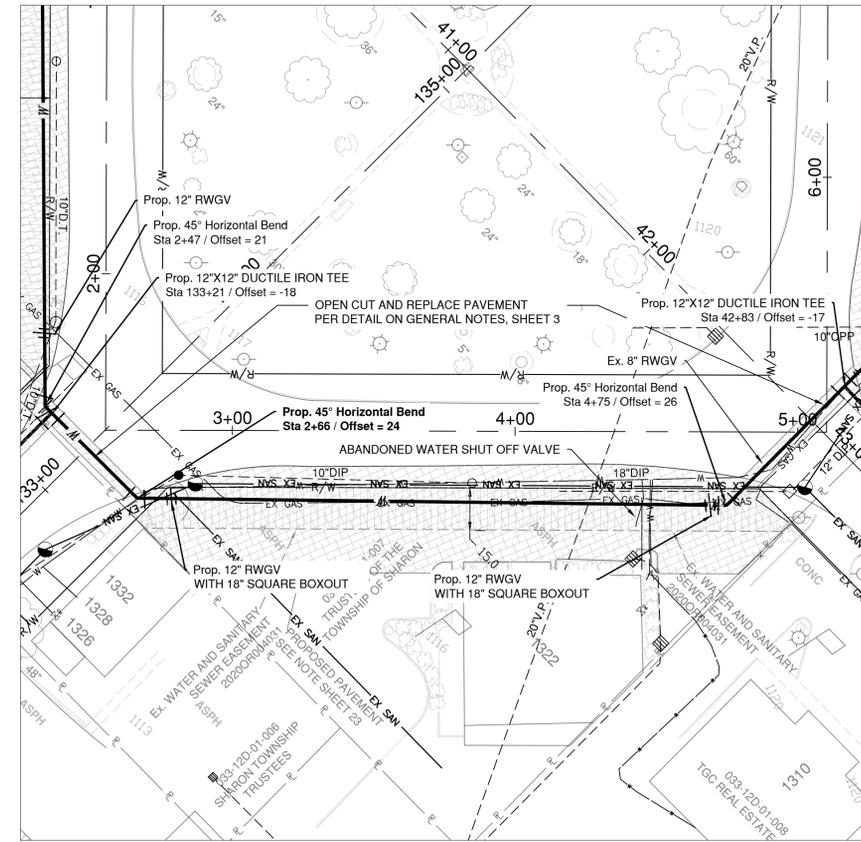
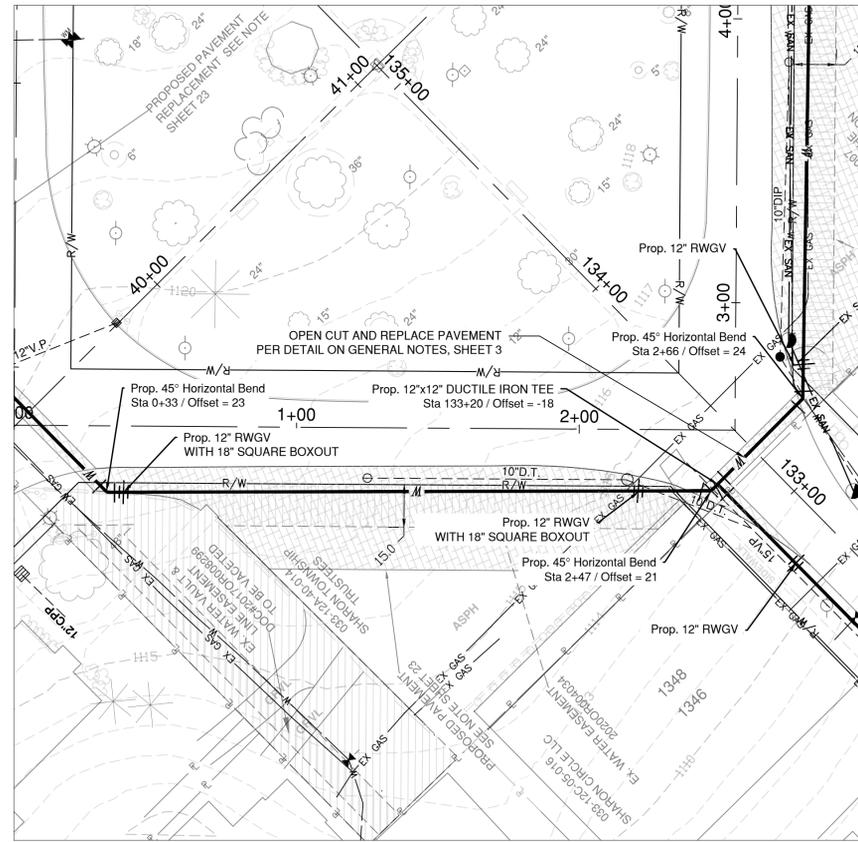
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DRAWN BY:	REVIEWED BY:
DATE: 2016	
SCALES: HORIZONTAL 1" = 30' / VERTICAL 1" = 5'	
DATE	DESCRIPTION
BY:	

- PLAN/PROFILE -
SHARON COPLEY ROAD - S.R. 162 - S.H. 888
SHARON TOWNSHIP WATER AND SANITARY
IMPROVEMENTS

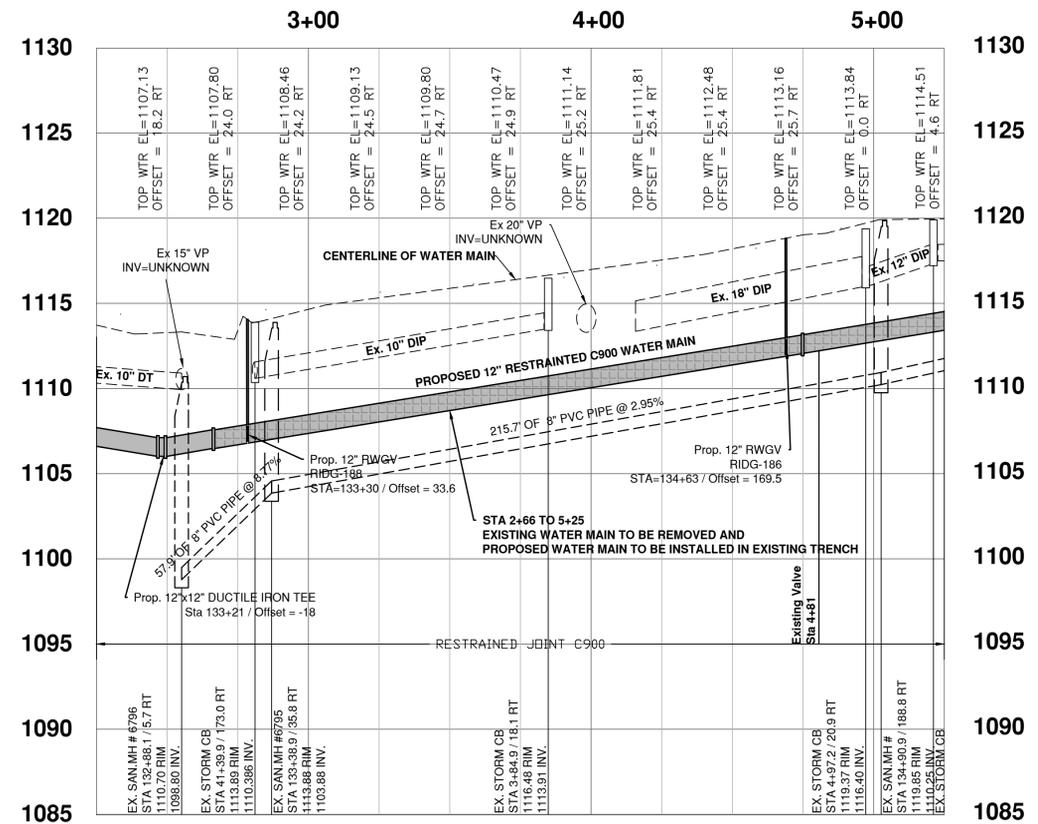
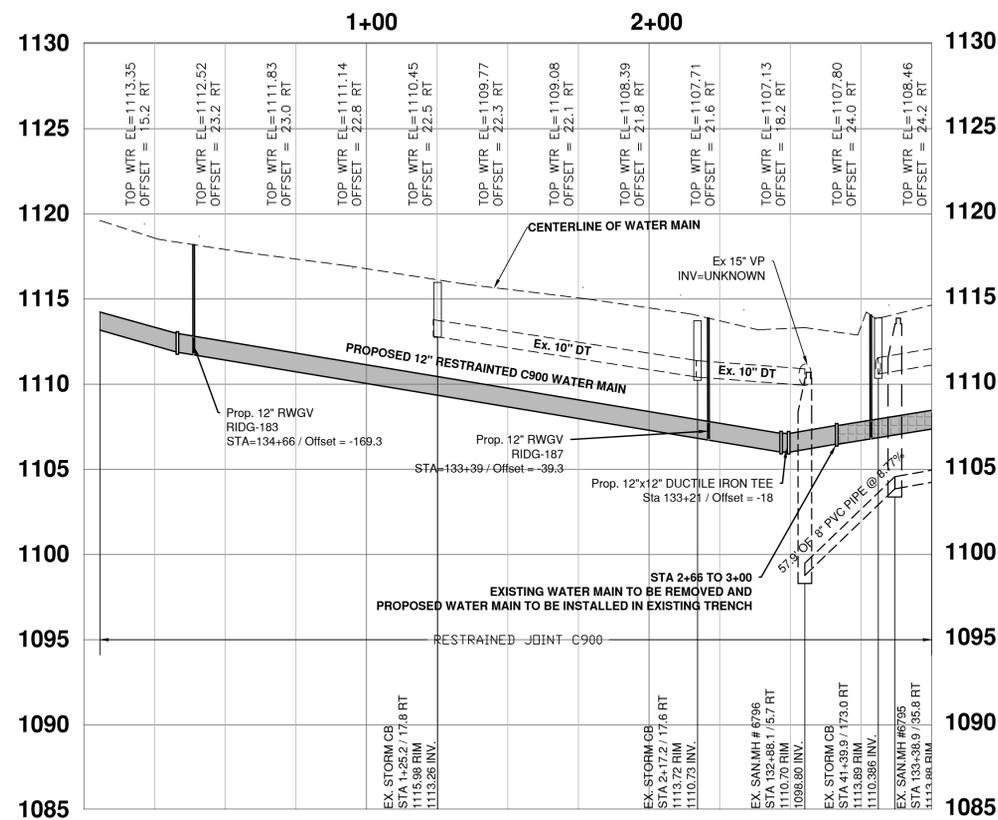
PLANNED BY:
MEDINA COUNTY
SANITARY ENGINEER
 AMY S. LYON-GALVIN, P.E.
 791 WEST SMITH RD.
 MEDINA, OHIO 44256
 (630) 723-9585

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PROJECT NUMBER
SW-500/00-281.1
SHEET NUMBER
20 of 90



SHARON CENTER (VARIABLE WIDTH)

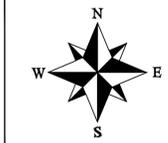
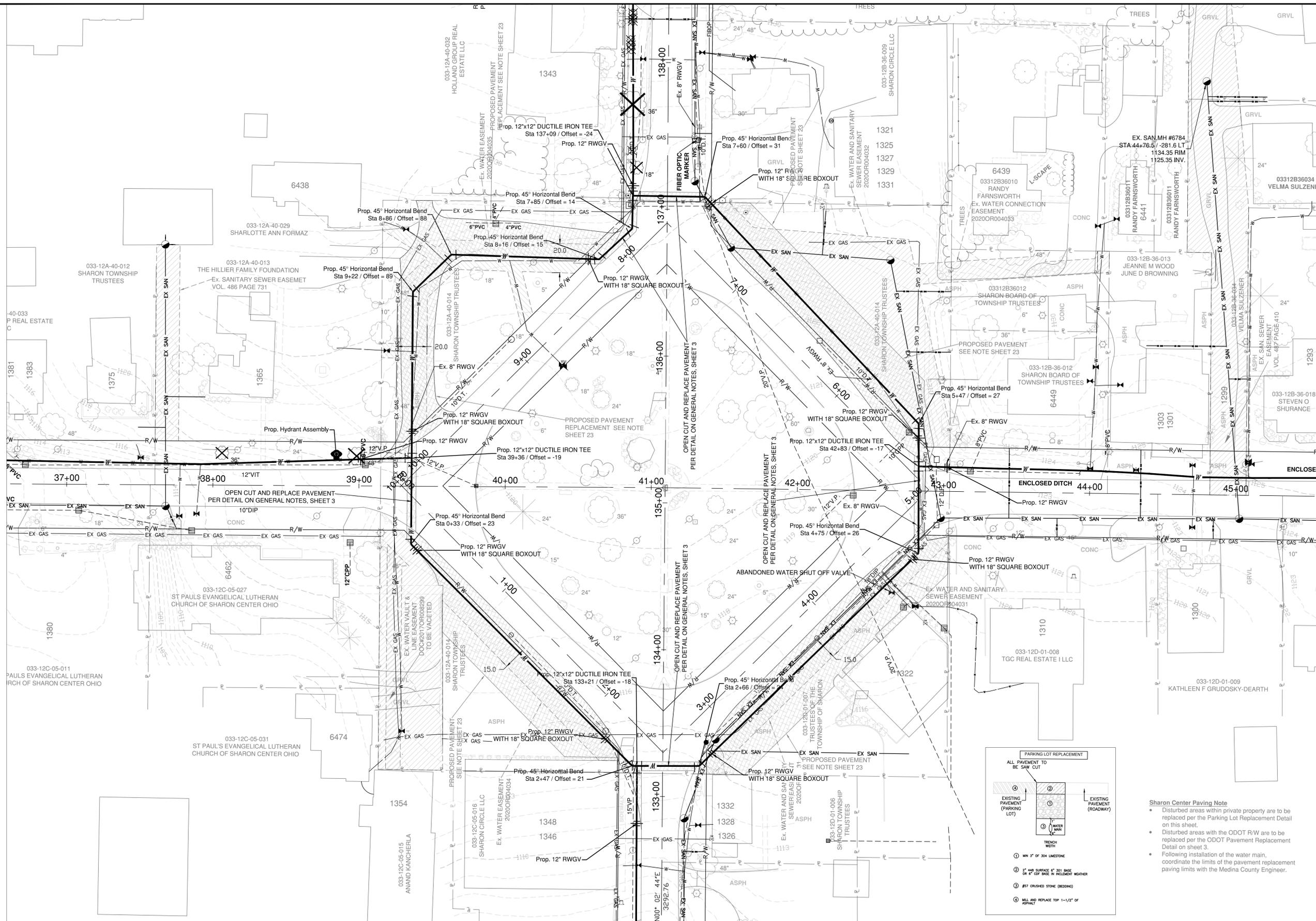


COUNTY: MEDINA TOWNSHIP: SHARON
 DRAWN BY: REVIEWED BY: DATE: 2020
 SCALES: HORIZONTAL 1" = 30' / VERTICAL 1" = 5'

- PLAN/PROFILE -
SHARON CENTER
SHARON TOWNSHIP WATER AND SANITARY
IMPROVEMENTS
 STA. 0+00 to STA. 5+00

MEDINA COUNTY
 SANITARY ENGINEER
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 MEDINA, OHIO 44256
 (630) 723-9585

PROJECT NUMBER
 SW-500/00-281.1
 SHEET NUMBER
 21 of 90



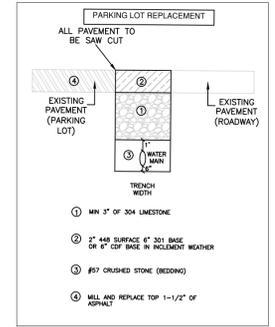
COUNTY: MEDINA	TOWNSHIP: SHARON
DRAWN BY:	REVIEWED BY:
DATE: 2020	
SCALES: HORIZONTAL 1" = 30' / VERTICAL 1" = 5'	
DATE	DESCRIPTION
BY:	

- SHARON CIRCLE -
RIDGE ROAD S.R. 94
SHARON TOWNSHIP WATER AND SANITARY
IMPROVEMENTS

PLAN PREPARED BY:
MEDINA COUNTY
SANITARY ENGINEER
 AMY S. LYON-GALVIN, P.E.
 793 WEST SMITH RD.
 MEDINA, OHIO 44256
 (630) 723-9585

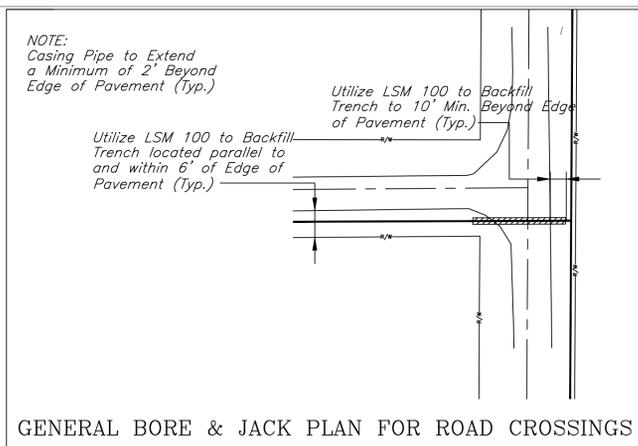
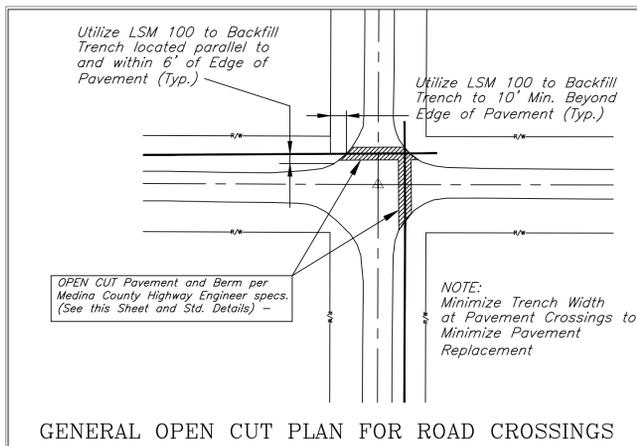
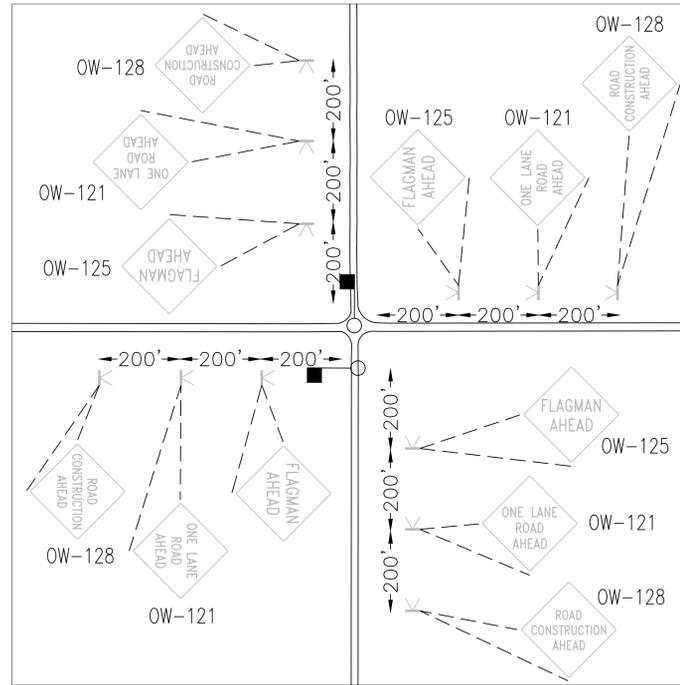
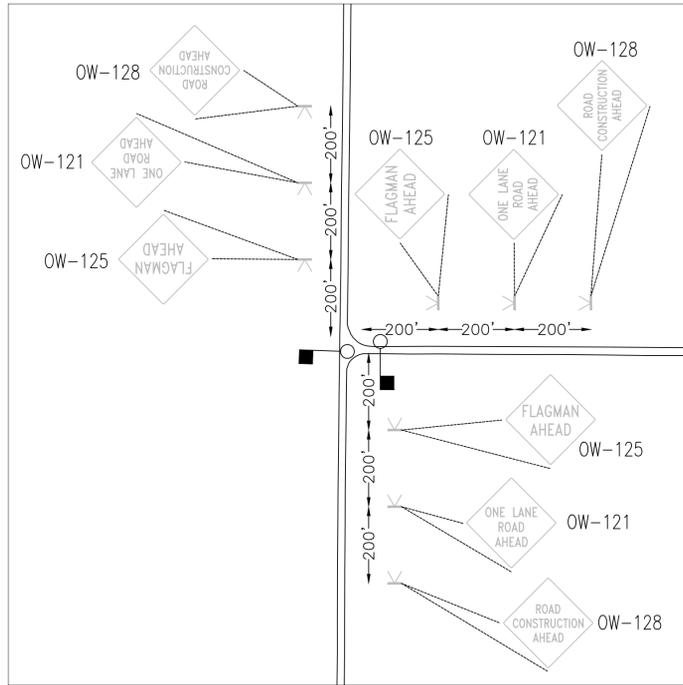
PROJECT NUMBER	SW-500/00-281.1
SHEET NUMBER	23 of 90

RIDGE ROAD - S.R. 94 - S.H. 553 (VARIABLE WIDTH)



- Sharon Center Paving Note**
- Disturbed areas within private property are to be replaced per the Parking Lot Replacement Detail on this sheet.
 - Disturbed areas with the ODOT R/W are to be replaced per the ODOT Pavement Replacement Detail on sheet 3.
 - Following installation of the water main, coordinate the limits of the pavement replacement paving limits with the Medina County Engineer.

TYPICAL INTERSECTIONS



GENERAL OPEN CUT PLAN FOR ROAD CROSSINGS

GENERAL BORE & JACK PLAN FOR ROAD CROSSINGS

TRAFFIC CONTROL PLAN - GENERAL NOTES

- All Traffic Control Devices, and their application, must meet or exceed the minimum standards and specifications as set forth in the Ohio Manual of Uniform Traffic Control Devices (MUTCD) as well as the ODOT Manual of Traffic Control for Construction and Maintenance Operations, Revision 20.
- No changes shall be made to this Traffic Control Plan without the prior approval of the Medina County Engineer.
- All Traffic Control Devices must be in their designated locations each day PRIOR to the initiation of any work, or activity, by the Contractor and/or his personnel.
- The Contractor shall close no more than one lane of traffic at any time during the duration of this project. Only minimal delays to the flow of traffic shall be allowed.
- No material, supplies, equipment, and/or vehicles shall be permitted to remain in an area closer than 10' to the edge of pavement during all non-working hours.
- The Contractor shall provide the name and phone number of at least (2) persons who can be reached 24 hours per day to the indicated agencies below. These persons must have the authority to arrange for immediate corrective actions should circumstances require such attention.
 - Medina County Highway Department
 - Medina County Sheriff's Department
 - Ohio State Patrol
 - Medina County Engineer's Safety Coordinator
- All excavated areas must be back-filled or covered with steel plates of sufficient strength and size to support the weight of an errant vehicle that might leave the roadway and enter the Right-of-Way area.
- The use of "fencing" as a substitute for item 7 previously listed is prohibited on this project.
- Neither personal nor Contractor vehicles will be parked on the roadway surface and must be parked not closer than 10' to the edge of pavement, or within a private drive if permission has not been granted by the property owner.
- All excavated areas shall be delineated at the end of each work day, with either reflectorized drums and flashing amber lights or Type II barricades with flashing amber lights, placed no greater than 20' on center. These devices shall remain in place until rough grading has been completed.
- The Contractor MUST utilize full-time flaggers, or approved lighted traffic control signals, during the duration of the project. The flaggers must be equipped with, and use, reflective vests and stop/slow paddles at all times. Portable radios may be necessary depending on terrain. The contractor is to check with the road authority for any additional requirements. Any additional request made by the road authority will be at the Contractor's cost.
- Under no circumstances will the Contractor close a lane of traffic of greater distance than what is necessary to comply with the depicted typical application of Traffic Control Devices.
- All debris and excavated material must be completely removed from the roadway surface at the end of each work day. If in the opinion of any Medina County agent, circumstances dictate that power washing of the roadway surface is necessary, then the Contractor shall be responsible for insuring that the roadway surface is power washed prior to departing the project area for that day.
- The Contractor shall be responsible for obtaining, installing and maintaining any additional Traffic Control Devices that are deemed appropriate and necessary by the Medina County Engineer.
- The Contractor is required to make regular visits to the project area, after dark, not less than once every four (4) calendar days for the specific purpose of insuring that all Traffic Control Devices are in their proper place and that they are functioning properly. The Contractor shall maintain a log to document these required visits. As a minimum, the log must contain the following entries:
 - Date of visit, and
 - Time of visit, and
 - Printed name and signature of the employee making the visit.
 - Remarks section noting the condition of all Traffic Control Devices, and
 - Description of action taken by the employee to correct the problem discovered during said visit.

If during these visits it is observed, or noted, that any Traffic Control Devices are either missing or not functioning properly, the employee making the visit shall either immediately replace the missing device and or repair/replace the non-functioning device PRIOR to completing the after dark visit. The remarks section of the log must indicate what device(s) was missing or non-functioning as well as what action was taken to repair/replace the device(s).

This log must be kept at the project site during all working hours and must be available to any Medina County agent upon request.

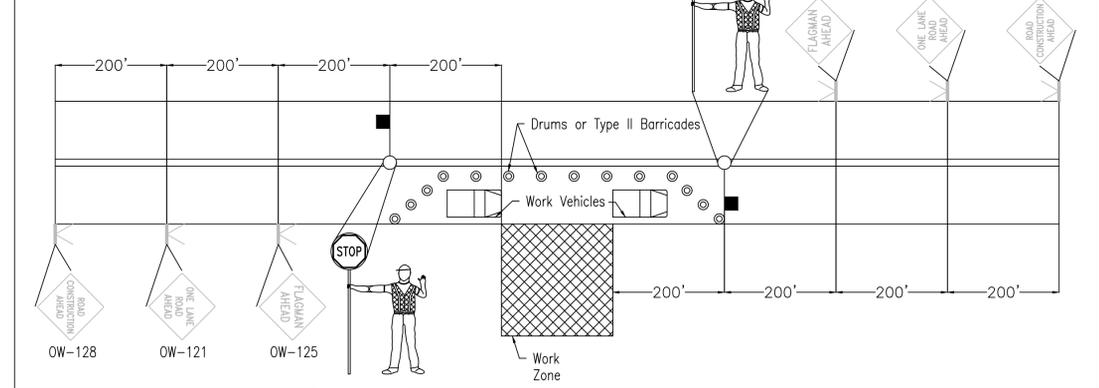
Upon completion of the project, this log must be turned into the project engineer for retention in the project file, and prior to the final payment for services/materials.
- Contact MHE a minimum of 24 hours before starting work at intersections (330)723-9568.



COUNTY: MEDINA	TOWNSHIP: MONTVILLE
DRAWN BY: BR	REVIEWED BY:
DATE: JUNE 2015	DATE: JUNE 2015
SCALE: N/A / N/A	SCALE: N/A / N/A
DESCRIPTION	BY:
DATE	

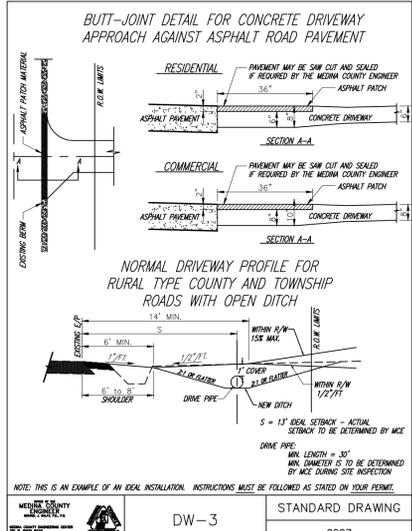
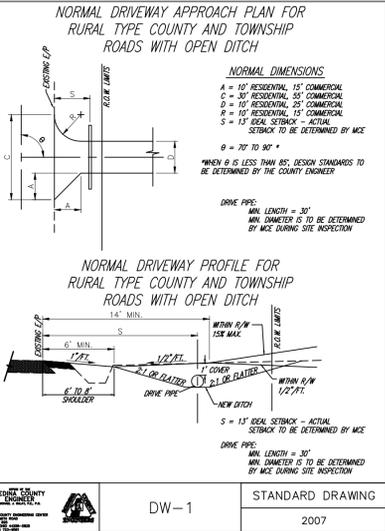
TRAFFIC DETAIL - SHARON TOWNSHIP WATER AND SANITARY IMPROVEMENTS

TYPICAL DEVICE APPLICATION WHEN ONE LANE IS BLOCKED AND ROADWAY IS NOT CLOSED.



MINIMUM required Devices	
Qty:	Device:
2	OW-128 Road Construction Ahead
2	OW-121 One Lane Road Ahead
2	OW-125 Flagger Ahead
2	Stop/Slow Paddles
2	Reflectorized Vests
2	Walky Talkies (When Required)
12	Reflectorized Drums/Cones
12	Flashing Amber Lights (When Required)

GENERAL NOTES	
1. All traffic control devices MUST meet or exceed the minimum standards & specifications set forth in ODOT Manual of Traffic Control for Construction and Maintenance Operations, Revision 20.	4. When left erected overnight, all devices MUST have flashing amber lights attached.
2. No changes will be made to this Traffic Control Plan without the PRIOR approval of the County Engineer.	5. Parking of vehicles on the roadway will be limited to ONLY those needed to accomplish the work, and be located inside the Drums or Type II Barricades.
3. Flaggers MUST wear reflectorized vests and use "Stop/Slow paddles." Radios will be used when necessary and appropriate.	6. Drums/Type II Barricades will not be placed greater than 20' apart.
	7. Medina County reserves the right to direct installation and use of additional devices when circumstances dictate.



MEDINA COUNTY ENGINEER	DW-1	STANDARD DRAWING
		2007

MEDINA COUNTY ENGINEER	DW-3	STANDARD DRAWING
		2007

PLAN PREPARED BY:
 MEDINA COUNTY
 SANITARY ENGINEER
 AMY S. LYON-GALVIN, P.E.
 701 WEST SMITH RD.
 MEDINA, OHIO 44056
 (330) 723-9565

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