

Office Use Only

County or Jurisdiction MOT

Rte. 4 Log Pt. 11.07

AccCat 4L

State of Ohio
Department of Transportation
Permit Inspection Certificate

To be completed by District Office

[1] Permittee Name Montgomery County Environmental Address/Contact Charles Schaffer

Phone 937-781-2629

[2] Permit No. 7-064-17 Date Issue Mar 20, 2017

Work Authorized

permittee to install 8" sanitary main pipe on State Route 4

To be completed by Inspector

[3] Was work completed? Yes No As Authorized? Yes No If No, explain variation(s)

[4] Is work approved? Yes No If No, explain conditions

If work is not approved, advise person in charge at the work site, noting his/her name and relationship to permittee and the date and time of the inspection; note any instructions given such person, including work stoppage if warranted. If no one is present at the site, so note.

Date 11/16/2017

Notes:

Signed Douglas Clark

Title Permit Tech

Permit No. 7-064-17

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION
Permit

Office Use Only

County or
 Jurisdiction Montgomery
 Rte. 4 Log Pt. 11.07 - 11.17
 AccCat 4L

[1] Subject to all of the terms, conditions and restrictions printed or written below, and on the reverse side hereof, or attached,

Name Montgomery County Environmental ServAttn: Charles SchafferAddress 1850 Spaulding RoadKettering OH 45432Phone (937) 781-2629

..... is hereby granted a permit under Section 5515.01 and 5515.02 of Ohio Revised Code, and permission to perform work necessary in the manner described and at the location indicated in the following or as attached to this permit.

Permit for Montgomery County Board of County Commissioners C/O Montgomery County Environmental Services. Permittee is to install and maintain approximately 640 Linear Feet of 8" sanitary sewer main line piping, 30' from Center line of roadway, starting at the 11.07MM and ending at the 11.17 MM on State Route 4 in Montgomery County. All work to be performed on the North West side of the roadway on the Right of Way line. Contractor will install two Sanitary Manholes after tying into an existing Sanitary Manhole North East of Derby Rd. All contractor equipment and materials required to install proposed sewer are to be staged on the Rauch property, outside of the Right of Way. Contractor will be responsible to maintain driveway access and ensure Traffic along German Town Pike is not disturbed. All work to be performed per Approved Plans. No open bore pits or trenches permitted during dark hours without NCHRP350 crash compliant barricades or drums with flashing lights. Openings within 8' of the pavement edge are required to be backfilled using 304 or 411 gravel, placed and compacted in 6" lifts to within 10" of grade, or by using 50 lbs. test low density mortar (controlled density fill) to within 10" of grade. NO OPEN CUTTING OF PAVEMENT PERMITTED

.Permittee shall have a copy of the permit and Ohio Department of Transportation approved, stamped plan on the job.

.Any changes shall be approved by the Department prior to work being performed.

.If permittee is excavating, he/she shall call "OUPS" at 1-800-362-2764 and Oil and Gas Producers Underground Protection Service (OGPUPS) at 1-800-925-0988, as well as, all non-OUPS utilities at least 2 days prior to start of work, for location of buried facilities.

.Maintenance and/or repair of this installation shall in no way be the responsibility of the State of Ohio, Department of Transportation or the Federal Government. Any damage done by this installation shall be restored to its original condition or better.

.Permittee is responsible for compliance with all applicable Federal, State and Local laws relating to environmental protection, including storm water and erosion control. Permittee is responsible for undertaking/securing any necessary notifications, reviews, approval or permits from other agencies for the proposed activities.

.This permit applies to work activities being done on highway rights of way. The permittee is responsible for acquiring any necessary property rights in compliance with Federal and State laws and regulations governing the process for work activities being done off highway rights of way.

.Permittee shall furnish sufficient flagmen and/or signs to protect the traveling public at all times, as per the Ohio Manual of Traffic Control Devices. Through traffic shall be maintained at all times.

All disturbed earth shall be replaced, compacted, and reshaped to its original cross-section and then re-seed it to the satisfaction of the Director of Transportation or his agent.

Permittee is responsible for all clean out work to keep this installation in operating condition.

Permittee shall be responsible for any & all utility installations/relocations as a result of this work.

The State of Ohio or Federal Highway Administration will not participate in the cost of this installation.

This Permit is for Montgomery County Board of County Commissioners. C/O Montgomery County Environmental Services

[2] This permit shall be in the possession of employees on site at all times who are in charge of the work and shall be shown, upon request, to any employee of the Department of Transportation.

[3] No work authorized by this permit shall begin until the permittee has contacted and received instructions from

Doug Clark 937-497-6904

(Authorized ODOT Employee)

Permit No. 7-064-17

NOTE: Any work performed by the permittee may be stopped if the above requirements are not met.

[4] To the extent applicable, this permit shall be void if the work described herein does not comply with the conditions, terms, and requirements applicable to this permit, and if the work is not completed by 3/16/2018

[5] All work requiring persons or vehicles within ODOT right of way shall comply with all applicable requirements of the Ohio Manual of Uniform 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.

[6] The permittee accepts the conditions, terms, and requirements printed, written on, or attached to this permit and understands that failure to comply fully with those conditions, terms, and requirements or any change in the use of this 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 and including removal of the installation, if applicable, at the permittee's expense.

[7] Performance Bond Required N/A
Surety Company _____

Effective Date _____ Expiration Date _____ Amount _____

Permittee: [Signature] PE, PS

Director: [Signature]

Date 3/16/17

Date: 3/20/17

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.

Rev. 10/15/10

1. MR 505
App No 7-064-17

State of Ohio
Department of Transportation
Permit Application
See Reverse side for additional requirements

Office Use Only	
County/ Jurisdiction	<u>MOT</u>
Rte <u>4</u>	LogPt <u>11.07 -</u>
AccCat <u>4L</u>	<u>11.17</u>

[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 Montgomery County Board of County Commissioners C/O Montgomery County Environmental Services
Address 1850 Spaulding Road City Kettering State Ohio
Zip 45432 Phone (937) 781-2629 Other (Fax, E-mail) schafferc@mccho.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.)

Construction of an 8" sanitary Sewer main and laterals within the Public Road right of way of Germantown Pike (S.R. 4)

Traffic Plan Traffic Maintained work along the roadway shoulder per ODOT MUTCD (Construction)

[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 Montgomery County (along) State Route 4, miles or feet
North East West South of Derby Road on the North East West South side of the road.
Work to commence on 3/15/17 and will require 45 days to complete

[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]
Signature of Property Owner or Agent for Owner
Date 3/15/17
Day time Phone (937)-307-2759

Office use only	
Date Received	<u> </u>
By	<u> </u>
Date Accepted	<u> </u>
By	<u> </u>

RECEIVED
MAR 09 2017
By DC

Additional Requirements

1. All requests for vehicular access connections (commercial and residential driveways and field drives) are subject to the requirements and provisions of the State Highway Access Management Manual. You will find this form at <http://www.dot.state.oh.us/planning/Corridor/AccessMgmt/Manual> on the web.

2. Check with the issuing authority to determine which of the following documents and information are required and the number of copies needed to complete the review of your application. Plans should usually not be larger than 24"x 36."

- (A) Map or plat showing property location, property lines, amount of frontage on state highway and on other abutting public roads, if any;
- (B) Any existing access or easements of access on the property;
- (C) Highway and driveway plan profile;
- (D) Location of proposed access with respect to property lines and to the highway; NOTE: The proposed access location should also be physically marked on the property by a stake or other clearly visible means.

- (E) Design and type of construction of the proposed access;
- (F) Drainage plans showing drive culvert/pipe and impacts to the highway right of way;
- (G) Subdivision, zoning, or development plan, if applicable;
- (H) Maps and letters detailing utility locations before and after development in and along the right of way;
- (I) Signing and striping plans;
- (J) Traffic data and traffic control plan;
- (K) Proof of liability insurance;
- (L) Performance Bond, if required

Commercial Development

3. If you are requesting a permit for Commercial Development, complete the following. Applicants seeking permits for development generating high traffic volumes (over 100 trip ends in the peak hour) are advised to request a preliminary meeting with appropriate ODOT and/or local officials prior to submitting a formal application for access.

(3a) If the proposed access will serve residential development, what type (single family, apartment, townhouse) and number of units are in the proposed development?

Type of Units		Number of Units	
Type of Units		Number of Units	

(3b) If the proposed access will serve business commercial or industrial development, what types and number of businesses are in the proposed development and what is floor area square footage of each?

Type of Business		Square Footage	
Type of Business		Square Footage	

(3c) Number of vehicles using the access. Indicate if estimates are ___ Peak hour = ___ or ___ Average daily volumes = ___.

Number of Passenger Cars:	Number of Multi Units:	Total All Vehicles:
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(3d) Consulting Firm: _____ Name of Contractor: _____
 Contact Name: _____ Contact Name: _____
 Phone Number: _____ Phone Number: _____

Beautification Permit

4. If you are applying for Beautification Permit, complete the following. Please submit proof of insurance.

Insurer's Name _____ Address _____ Phone () _____
 Number of adults (over 18) _____ under 18 _____ Total people _____

State of Ohio
Department of Transportation
RIGHT-OF-WAY USER PERMITS
Instructions

PLEASE READ:

- 1) A valid permit to use or occupy the highway right-of-way must be obtained **before any construction takes place within the right of way**. No work will be initiated on or off State right-of-way at any commercial site until the site plans have been approved by the Department of Transportation.
- 2) Application for permits can be made in person or sent by mail to the local Department of Transportation District office in care of the District Deputy Director (ATTN: Permit Department). Signatures by contractor are not acceptable and will be returned.
- 3) Applications for public roads, commercial accesses, or residential driveway approaches shall only bear the signature of the property owner, the company owner, or the corporate official responsible for construction and maintenance of the installation placed in the highway right-of-way.
- 4) Permits cannot be issued to developers, contractors, property owners, etc. for any utility service installation, ie; sewer taps, water taps service drops, etc. Applications for these installations must be submitted by the local governing utility company that services the requested area.
- 5) Commercial developments are required to submit the following as a minimum; 4 copies of detailed plans showing all proposed construction, possible effect of traffic movement and trip generation in and out of the proposed site, and drainage calculation based on a 10-year retention. Additionally a separate site plan showing all accesses on both sides of the highway within 1000 feet of the proposed access is required.

The following information should also be included with your application.

- A) Location of the proposed work should be indicated in feet at a distance north, south, east, west, from the nearest intersection indicating which side of the road you will occupy. **A plat map must be attached to the application.**
 - B) **Staking is required for all residential property, showing the exact location of the proposed access, as well as the property lines.**
 - C) Total width of through pavements, and if a divided highway, the width of median and location of existing median crossovers.
 - D) Record the width of the pavement and from the edge of a pavement and to the edge of the right-of-way line, keeping in mind the edge of the right-of-way is usually the utility line. If there is no utility line present, the rule of thumb for the edge of right-of-way is for the most part 31' from the center line of the road.
 - E) **The proposed width of the new access including the width and radii of any existing access. The distance between the proposed access and any other access points in either direction. If you do not have 495' of space between any existing drives and the proposed drive you must do a variance request. This can be done by letter attached to the permit application. The request should give justification for why we should permit the variance from our standards.**
 - F) Dimensions and type of construction of any proposed islands between approaches.
 - G) The location and dimensions of proposed buildings and parking area.
 - H) The location and description of any existing and all proposed drainage structures within the highway right-of-way.
 - I) The location and type of all landscape items.
- 6) You must contact the County Manager or his associate 24 hours in advance of starting any work.
 - 7) A copy of the permit and approved plan(s) must be in on site at all times while work is being performed within the State's right-of-way.
 - 8) You may be required to submit additional documentation as listed on the reverse side of the M&R 505. Check with the issuing authority for these details.

**General Provisions Applicable to All Permits
(Sections 5515.01 and 5515.02 of O.R.C.)**

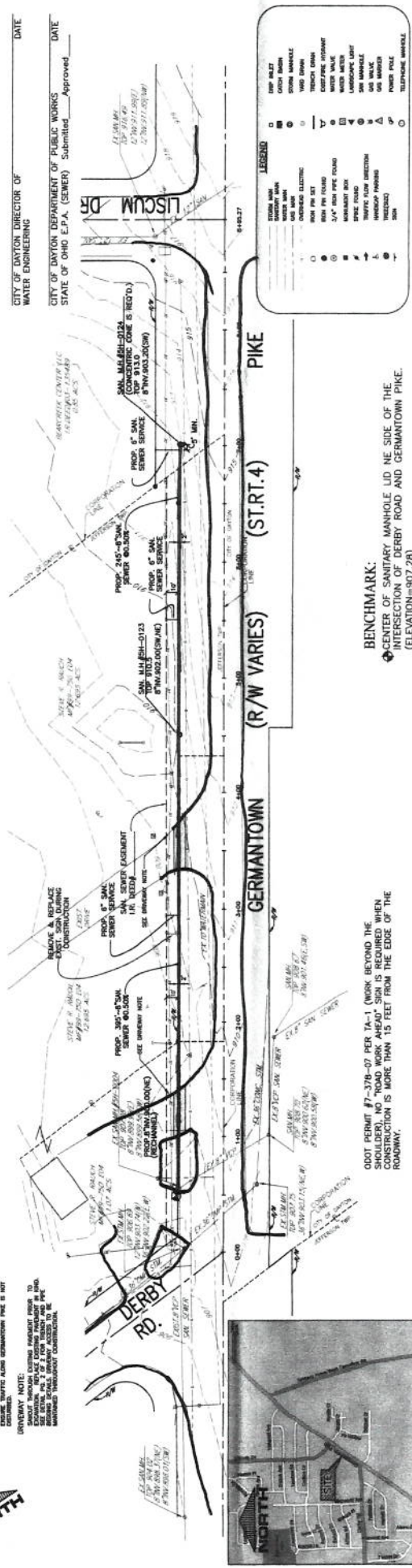
- [1] This permit is not a substitute for satisfying the rights of any other party who may have an interest in the underlying fee.
- [2] The granting of this permit does not convey to the permittee or to the property served any rights, title, or interest in state highway rights-of-way or in the design or operation of the state highway; or in any way abridge the right of the Director of Transportation in his jurisdiction over state highways. If, in the future, it is necessary for improved safety and operation of the state highway or for the benefit of the traveling public, the Director of Transportation may reconstruct, relocate, modify, repair, or remove any permitted connection or any features or fixtures thereof; or redesign the state highway including installing any auxiliary lanes and/or modifying any allowable turning movements. 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 hold harmless the Department of Transportation, the State of Ohio, and all of its representatives from all suits, actions, or claims of any character, brought on account of any injuries or damages sustained by any person or property in consequences of any neglect or on account of any act or omission as a result of the issuance of the 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.
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- [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.

APPROVALS:

MONTGOMERY COUNTY SANITARY ENGINEER _____ DATE _____
 MONTGOMERY COUNTY ENGINEER _____ DATE _____
 CITY OF DAYTON DIRECTOR OF WATER ENGINEERING _____ DATE _____
 CITY OF DAYTON DEPARTMENT OF PUBLIC WORKS _____ DATE _____
 STATE OF OHIO E.P.A. (SEWER) Submitted _____ Approved _____

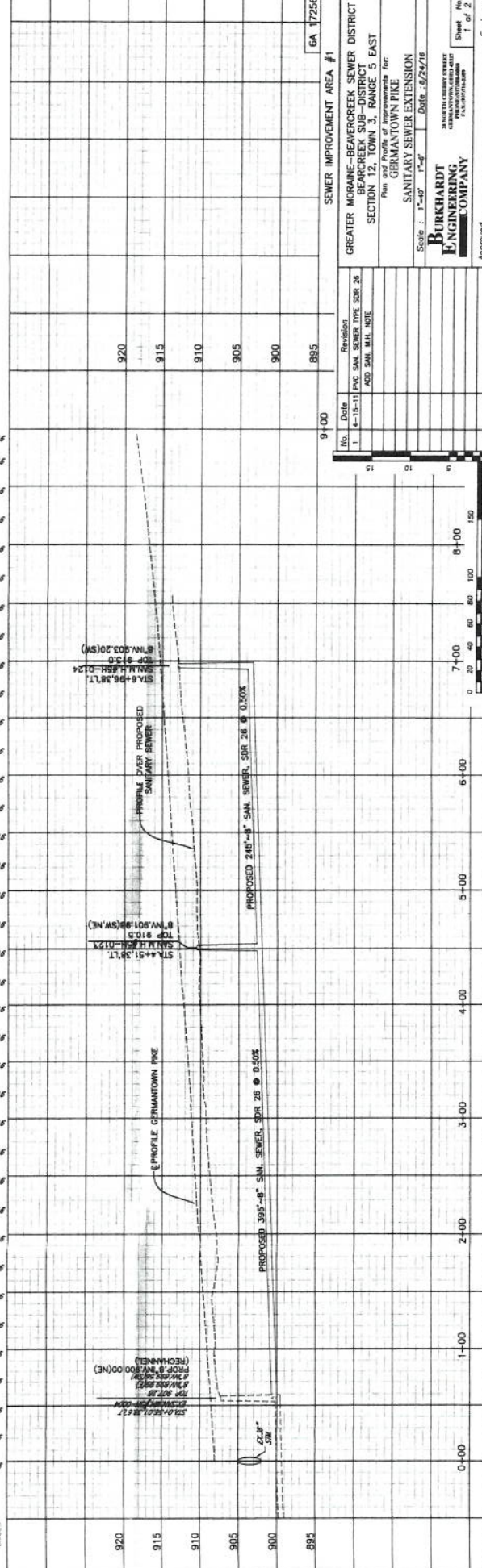
MAINTENANCE OF TRAFFIC NOTE:
 ALL EXCAVATION AND MATERIALS REQUIRED TO BE REMOVED FROM THE ROADWAY SHALL BE STORED IN A MANNER THAT DOES NOT OBSTRUCT TRAFFIC. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AND UTILITIES AT ALL TIMES. THE CONTRACTOR SHALL MAINTAIN TRAFFIC THROUGHOUT THE PROJECT.

UTILITY NOTE:
 ALL EXCAVATION SHALL BE DONE IN ACCORDANCE WITH THE CITY OF DAYTON UTILITY DEPARTMENT. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AND UTILITIES AT ALL TIMES. THE CONTRACTOR SHALL MAINTAIN TRAFFIC THROUGHOUT THE PROJECT.



BENCHMARK:
 CENTER OF SANITARY MANHOLE LID NE SIDE OF THE INTERSECTION OF DERBY ROAD AND GERMANTOWN PIKE (ELEVATION=907.28)

ODOT PERMIT #7-378-07 PER TA-1 (WORK BEYOND THE CURB LINE). NO ROAD WORK ALLOWED. SIGN IS REQUIRED WHEN CONSTRUCTION IS MORE THAN 15 FEET FROM THE EDGE OF THE ROADWAY.



No.	Date	Revision
1	4-15-11	PVC SAN. SEWER TYPE SDR 26 ADD SAN. M.H. NODE

Scale: 1"=40' 1"=40' Date: 8/24/16

BURKHARDT ENGINEERING COMPANY
 10000 WOODBURN RD
 DAYTON, OH 45424
 TEL: 937-233-1234

Approved _____ PROJ. NO. 16-021 ACSD TRF.287
 BASE DWG. 52608E

FINAL
 ODOT District
 Permits

**MONTGOMERY COUNTY SANITARY ENGINEERING DEPARTMENT
SANITARY SEWER AND WATERMAIN NOTES:**

- 1 All sanitary sewers and/or water lines and appurtenances shall be constructed according to the Montgomery County Sanitary Engineering Specifications, dated May 11, 2018, or latest revision thereof.
- 2 No additions, deletions or revisions to the sanitary sewer and/or water facilities are to be made without prior written approval by the Montgomery County Sanitary Engineer.
- 3 No construction shall commence until Montgomery County Sanitary Department permits have been issued, and two (2) working days notice has been given to the Inspection Division (761-2850).
- 4 All utility trenches within the existing or proposed right-of-way or under paved areas shall be backfilled with compacted granular material conforming to ODOT 703.11 Type 2 in accordance with the Montgomery County Sanitary Engineering Department Specifications.
- 5 No sanitary sewer and/or water main line permits shall be issued until the sewer is in its proper position and the location of the sewer in the State of Ohio Registry permit has been obtained (as applicable).
- 6 All existing underground utilities are shown in their approximate location on the Montgomery County Sanitary Engineering Department Utility Map at 1-800-362-2764 and all other Utility Companies 48 hours prior to construction to obtain field locations of said existing underground utilities.
- 7 No service connections shall be made to the water main until the water has been inspected, tested, disinfected and released for tops and on-premise.
- 8 Roof drains, foundation drains or other clean water connections to the sanitary sewer system are prohibited.
- 9 Sanitary manholes shall be precast conforming to ASTM C-478, or vitrified clay. PVC pipe and fittings shall meet and/or exceed all the requirements of ASTM C-301, including joint design. Sanitary manhole sections shall conform to ASTM C-443. Chimney seals shall be provided between the casing and pipe section. Essential seals shall be as listed.

Sanitary manholes require full channel benches.

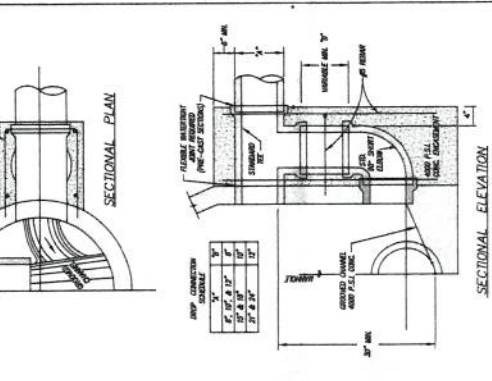
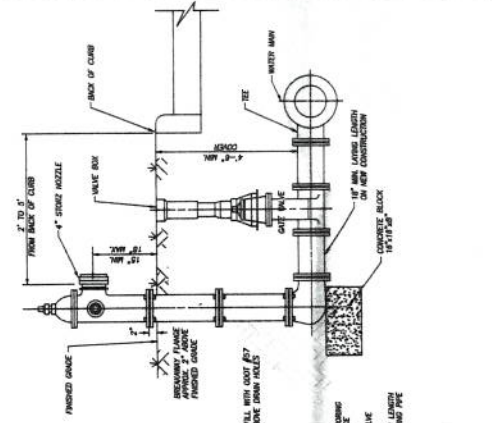
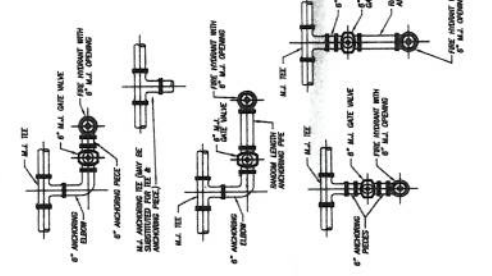
Sanitary sewer pipe and fittings shall be PVC or extra strength vitrified clay. PVC pipe and fittings shall meet and/or exceed all the requirements of ASTM C-301, including joint design. Sanitary manhole sections shall conform to ASTM C-443. Chimney seals shall be provided between the casing and pipe section. Essential seals shall be as listed.

The contractor shall make any physical connection to the existing sanitary sewer until the existing sewer, including the first span has been inspected, tested and released.

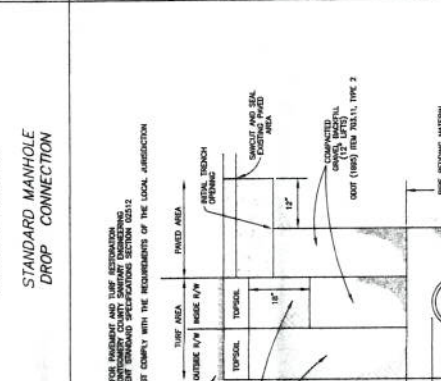
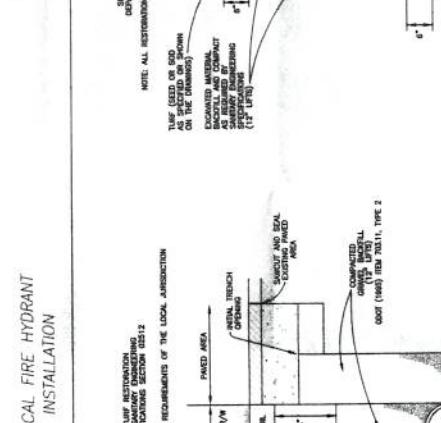
- 10 The infiltration/perforation test for the sanitary sewer shall not exceed 50 gal/in.-day, (m³/m² day).
- 11 Water lines crossing any and all sewers shall have a minimum vertical separation of 18" between the outside of the water main pipe and the sewer pipe. One full length of outdoor pipe shall be located between the sewer and the water main. If water crosses below sanitary sewers, the sewer must be water main material for that span.
- 12 All water services and sanitary services noted to be abandoned shall be abandoned at the main.

CITY OF DAYTON WATER ENGINEERING DEPARTMENT NOTES:

- 1 All sewer service connections within the City of Dayton shall comply with City of Dayton regulations.
- 2 Street restoration within the City of Dayton shall comply with City of Dayton regulations for making openings in a public way, to the lowest extent.
- 3 A City of Dayton "street cut" permit shall be obtained.



STANDARD MANHOLE DROP CONNECTION



JOINT RESTRAINT FOR FITTINGS WITH POLYWRAP ENCASEMENT

SEWER IMPROVEMENT AREA #1
GREATER MOUNTAIN RECREATION DISTRICT
SECTION 12, TOWN 3, RANGE 5, EAST
GERMANTOWN PIKE
SANITARY SEWER EXTENSION

Scale: 1" = 4'-0" Dwg: 20929/16

BURKHARDT ENGINEERING COMPANY
1020 NORTH AVENUE
MOUNTAIN VIEW, OKLAHOMA 73054

Approved: *[Signature]* PROJ. NO.: 18-021 AOD FILE: BZ

FOR RIGID PIPE **

BEDDING DETAILS

FOR PVC PIPE

FINAL
ODOT District 7
Permits

JOINT RESTRAINT FOR FITTINGS WITH POLYWRAP ENCASEMENT

TABLE FOR 12" IN EXTERNAL DIAMETER JOINTS	TABLE FOR 15" IN EXTERNAL DIAMETER JOINTS
11" x 11" x 11"	14" x 14" x 14"
12" x 12" x 12"	15" x 15" x 15"
13" x 13" x 13"	16" x 16" x 16"
14" x 14" x 14"	17" x 17" x 17"
15" x 15" x 15"	18" x 18" x 18"
16" x 16" x 16"	19" x 19" x 19"
17" x 17" x 17"	20" x 20" x 20"
18" x 18" x 18"	21" x 21" x 21"
19" x 19" x 19"	22" x 22" x 22"
20" x 20" x 20"	23" x 23" x 23"
21" x 21" x 21"	24" x 24" x 24"
22" x 22" x 22"	25" x 25" x 25"
23" x 23" x 23"	26" x 26" x 26"
24" x 24" x 24"	27" x 27" x 27"
25" x 25" x 25"	28" x 28" x 28"
26" x 26" x 26"	29" x 29" x 29"
27" x 27" x 27"	30" x 30" x 30"
28" x 28" x 28"	31" x 31" x 31"
29" x 29" x 29"	32" x 32" x 32"
30" x 30" x 30"	33" x 33" x 33"
31" x 31" x 31"	34" x 34" x 34"
32" x 32" x 32"	35" x 35" x 35"
33" x 33" x 33"	36" x 36" x 36"
34" x 34" x 34"	37" x 37" x 37"
35" x 35" x 35"	38" x 38" x 38"
36" x 36" x 36"	39" x 39" x 39"
37" x 37" x 37"	40" x 40" x 40"
38" x 38" x 38"	41" x 41" x 41"
39" x 39" x 39"	42" x 42" x 42"
40" x 40" x 40"	43" x 43" x 43"
41" x 41" x 41"	44" x 44" x 44"
42" x 42" x 42"	45" x 45" x 45"
43" x 43" x 43"	46" x 46" x 46"
44" x 44" x 44"	47" x 47" x 47"
45" x 45" x 45"	48" x 48" x 48"
46" x 46" x 46"	49" x 49" x 49"
47" x 47" x 47"	50" x 50" x 50"
48" x 48" x 48"	51" x 51" x 51"
49" x 49" x 49"	52" x 52" x 52"
50" x 50" x 50"	53" x 53" x 53"
51" x 51" x 51"	54" x 54" x 54"
52" x 52" x 52"	55" x 55" x 55"
53" x 53" x 53"	56" x 56" x 56"
54" x 54" x 54"	57" x 57" x 57"
55" x 55" x 55"	58" x 58" x 58"
56" x 56" x 56"	59" x 59" x 59"
57" x 57" x 57"	60" x 60" x 60"
58" x 58" x 58"	61" x 61" x 61"
59" x 59" x 59"	62" x 62" x 62"
60" x 60" x 60"	63" x 63" x 63"
61" x 61" x 61"	64" x 64" x 64"
62" x 62" x 62"	65" x 65" x 65"
63" x 63" x 63"	66" x 66" x 66"
64" x 64" x 64"	67" x 67" x 67"
65" x 65" x 65"	68" x 68" x 68"
66" x 66" x 66"	69" x 69" x 69"
67" x 67" x 67"	70" x 70" x 70"
68" x 68" x 68"	71" x 71" x 71"
69" x 69" x 69"	72" x 72" x 72"

NOTE: ALL RESTORATION MUST COMPLY WITH THE REQUIREMENTS OF THE LOCAL JURISDICTION

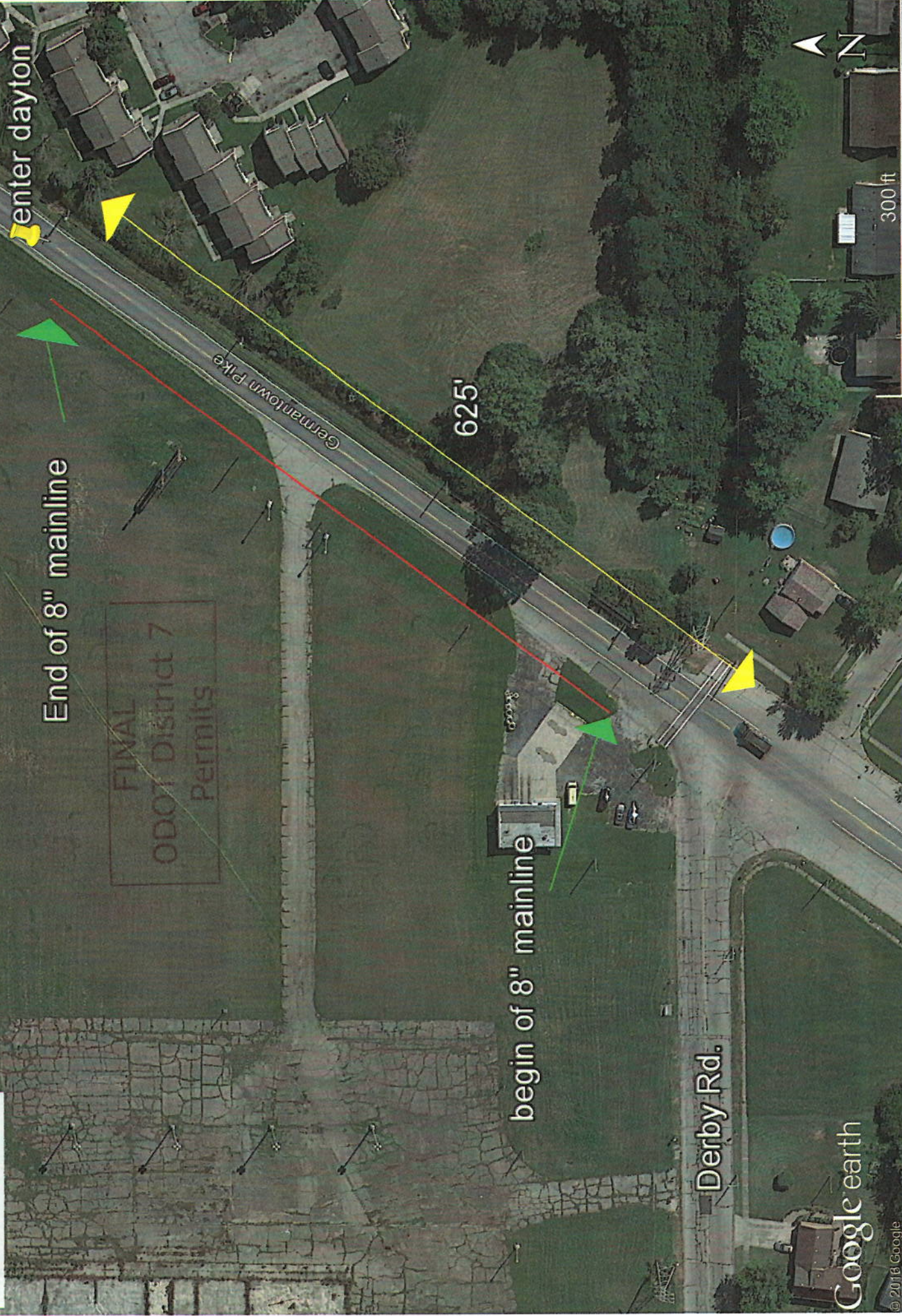
FOR PRECAST AND TUFF RESTORATION...
 NOTE: ALL RESTORATION MUST COMPLY WITH THE REQUIREMENTS OF THE LOCAL JURISDICTION

FOR PRECAST AND TUFF RESTORATION...
 NOTE: ALL RESTORATION MUST COMPLY WITH THE REQUIREMENTS OF THE LOCAL JURISDICTION

BASE (PRE-CAST/STONE) PROJ. NO.: 18-021 AOD FILE: BZ

Steve Rauch

Legend



center dayton

End of 8" mainline

begin of 8" mainline

625'

Derby Rd.

Germantown pike

FINAL
ODOT District 7
Permits

Google earth

© 2016 Google

300 ft



Legend

Steve Rauch



Google earth

© 2016 Google
© 2017 Google

6.88 ft



Steve Rauch

Legend

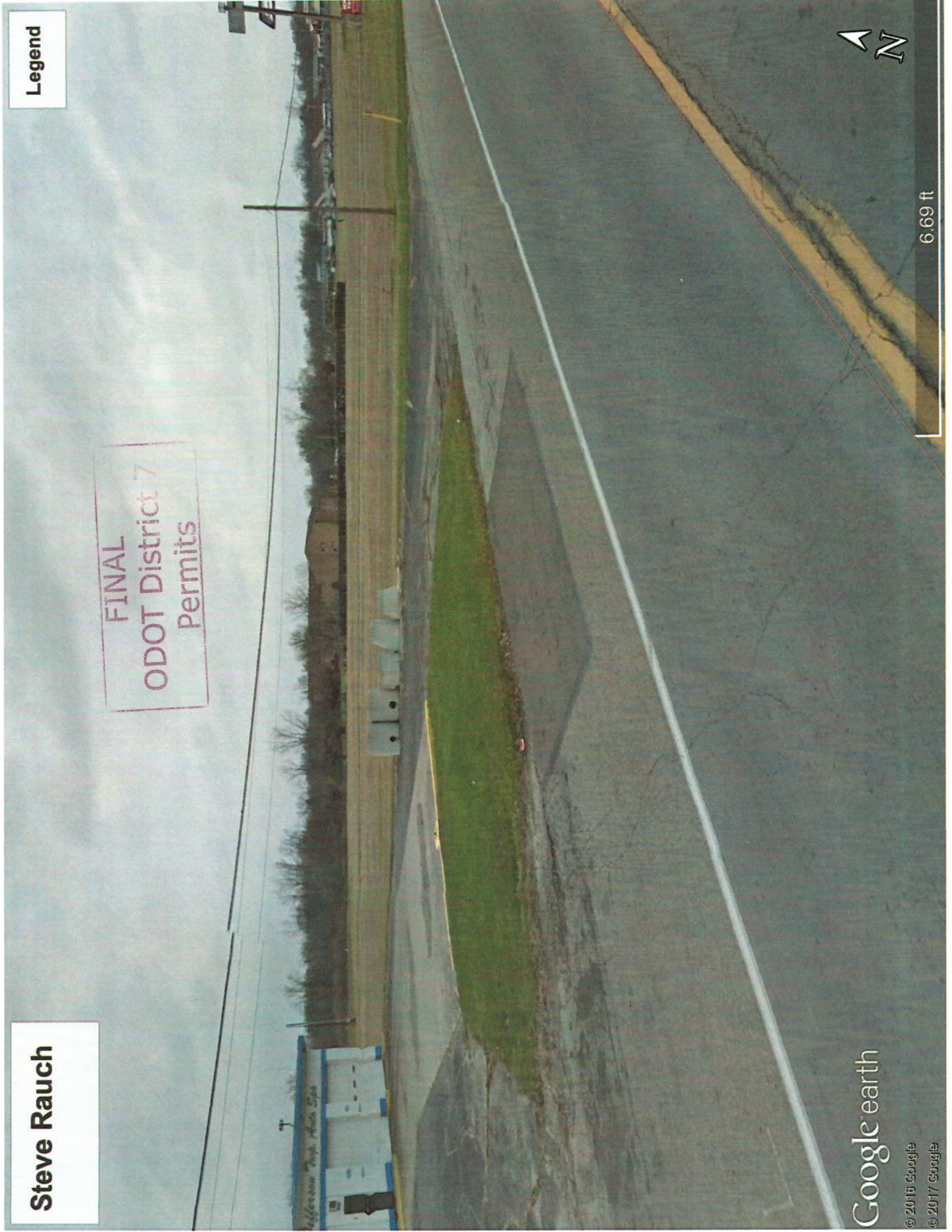
FINAL
ODOT District 7
Permits

Google earth

© 2016 Google
© 2017 Google



6.69 ft



Notes for Figure 6H-3—Typical Application 3 Work on the Shoulders

Guidance:

1. A *SHOULDER WORK* sign should be placed on the left side of the roadway for a divided or one-way street only if the left shoulder is affected.

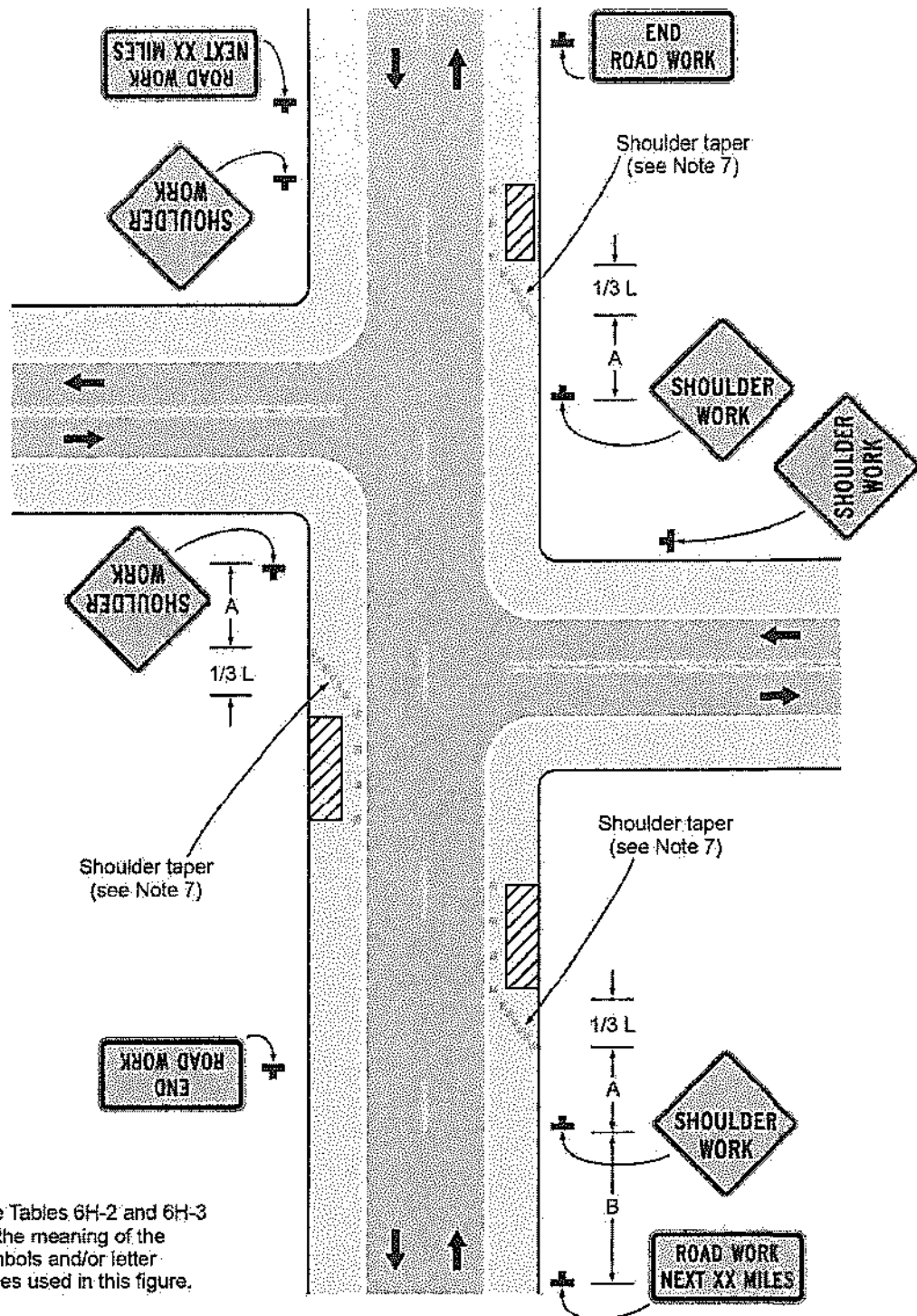
Option:

2. The Workers symbol signs may be used instead of *SHOULDER WORK* signs.
3. The *SHOULDER WORK AHEAD* sign on an intersecting roadway may be omitted where drivers emerging from that roadway will encounter another advance warning sign prior to this activity area.
4. For short-duration operations of 60 minutes or less, all signs and channelizing devices may be eliminated if a vehicle with activated high-intensity rotating, flashing, oscillating, or strobe lights is used.
5. Vehicle hazard warning signals may be used to supplement high-intensity rotating, flashing, oscillating, or strobe lights.

Standard:

6. **Vehicle hazard warning signals shall not be used instead of the vehicle's high-intensity rotating, flashing, oscillating, or strobe lights.**
7. **When paved shoulders having a width of 8 feet or more are closed, at least one advance warning sign shall be used. In addition, channelizing devices shall be used to close the shoulder in advance to delineate the beginning of the work space and direct vehicular traffic to remain within the traveled way.**

Figure 6H-3. Work on the 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-1—Typical Application 1
Work Beyond the Shoulder

Guidance:

1. If the work space is in the median of a divided highway, an advance warning sign should also be placed on the left side of the directional roadway.

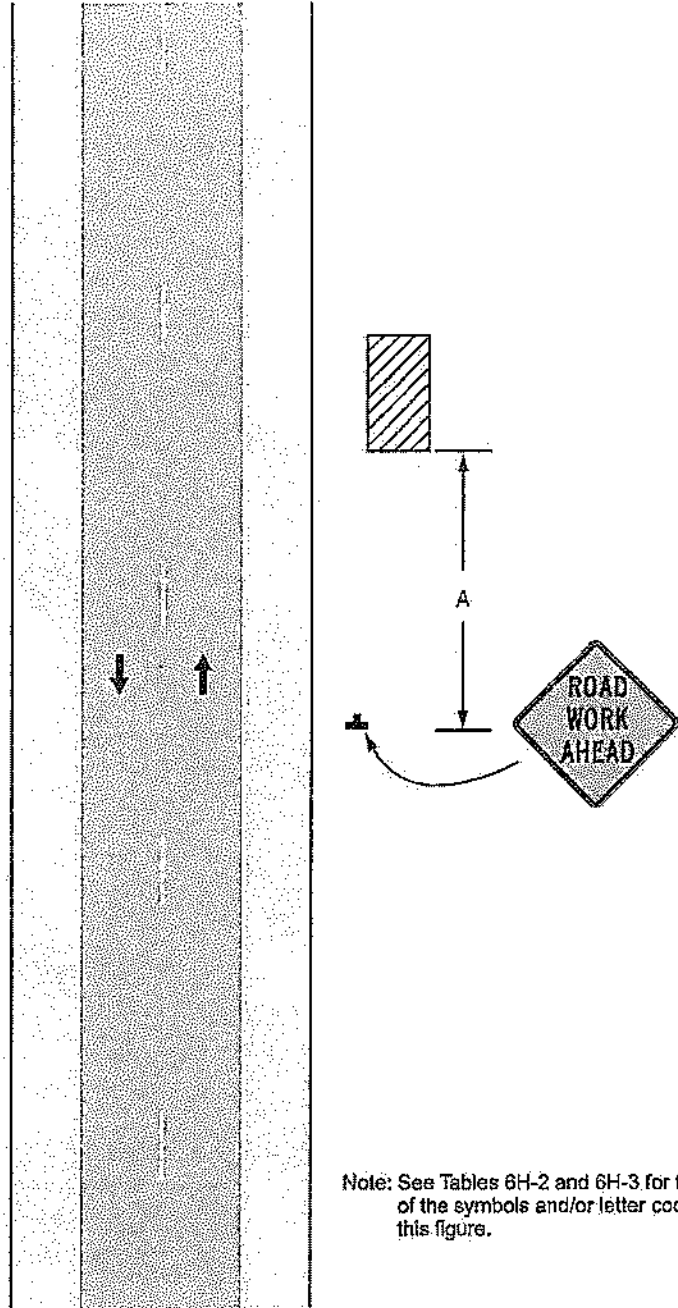
Option:

2. The ROAD WORK AHEAD sign may be replaced with other appropriate signs such as the SHOULDER WORK sign. The SHOULDER WORK sign may be used for work adjacent to the shoulder.
3. The ROAD WORK AHEAD sign may be omitted where the work space is behind a barrier, more than 600 mm (24 in) behind the curb, or 4.6 m (15 ft) or more from the edge of any roadway.
4. For short-term, short-duration or mobile operation, all signs and channelizing devices may be eliminated if a vehicle with activated high-intensity rotating, flashing, oscillating, or strobe lights is used.
5. Vehicle hazard warning signals may be used to supplement high-intensity rotating, flashing, oscillating, or strobe lights.

Standard:

6. **Vehicle hazard warning signals shall not be used instead of the vehicle's high-intensity rotating, flashing, oscillating, or strobe lights.**

Figure 6H-1. Work Beyond the Shoulder (TA-1)



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

Typical Application 1