

# INDIVIDUAL APPLICATION AND PERMIT FOR USE OF STATE TRUNKLINE RIGHT OF WAY

Information required by Act 368 of 1925 and Act 51 of 1951 to authorize construction.

This permit is incomplete without form 2205-1, "General Conditions and Supplemental Specifications."

PRINT IN INK OR TYPE. SEE REVERSE FOR SPECIAL CONDITIONS AND ATTACHMENTS.

**THIS SPACE FOR MDOT USE ONLY**

PERMIT NO. 63192-011-01-0011MF

ISSUE DATE 1-19-01 EXPIRATION DATE 4-1-2001

FEE \$ waived  Cash BY js  Exempt  Billable

DEPT. BOND NO. agreement BOND AMOUNT \$

RECORDED R/W FILE NO. 67343

APPLICANT NAME: Detroit Edison Co. CONTRACTOR NAME (Individual, Company, etc.):

MAILING ADDRESS: 2000 2nd Avenue MAILING ADDRESS:

CITY: Detroit, MI STATE: 48226 ZIP: FEB 28 2001 STATE: ZIP:

CONTACT'S NAME AND PHONE NO.: David A. Collins (313) 236-6506 CONTACT'S NAME AND PHONE NO.:

CORPORATE REAL ESTATE SERVICES

REQUEST: I do hereby make application for a permit to use the right of way of the following state trunkline highway.

HWY./TRUNKLINE # CITY OR TOWNSHIP SECTION TOWN RANGE COUNTY

Haggerty Commerce Twp. 24 T 2 N R 8 E Oakland

NEAREST CROSSROAD: Pontiac Trail DISTANCE TO NEAREST CROSSROAD (in feet): DIRECTION TO NEAREST CROSSROAD:  NORTH  SOUTH  EAST  WEST

PROPOSED START DATE: 01/2001 PROPOSED COMPLETION DATE: 04/2001 PLANS ATTACHED?  YES  NO

PURPOSE: To install cable poles and approximately 160 ft. of (12) 5" PVC conduit encased in concrete on the W.S. of Haggerty Road, south of Pontiac Trail as shown on drawing U3-4-10257. Work required to relocate underground facilities for road widening as part of the M5 Project.

REQUISITION NO. WORK ORDER NO. RFW: 310858 JOB NO. 01-008

MDOT CONTROL SECTION: 63192 JOB # 34963A

I certify that I accept the following:

1. Commencement of work set forth in the permit application constitutes acceptance of the permit as issued.
2. Failure to object to the permit as issued within ten (10) days constitutes acceptance of the permit as issued.
3. If this permit is accepted by either of the above methods, I will comply with the provisions of the permit.
4. If this permit is for commercial or residential driveway work, I certify that I am the legal owner of the property for which this driveway will serve, or I am the owner's authorized agent.

JAN 16 2001

APPLICANT/AUTHORIZED AGENT: Kent J. Kujala, Area Leader UG

(If Authorized Agent - I hereby certify that I am acting as an authorized agent on behalf of the named applicant. Certificate of agency attached.)

NAME and TITLE (Please Print or Type): Kent J. Kujala, Area Leader UG

SIGNATURE: *Kent J. Kujala*

MICHIGAN DEPARTMENT OF TRANSPORTATION OAKLAND DISTRICT DATE: 01/11/2001

FEDERAL TAX I.D. or SOCIAL SECURITY NO.:

**MDOT USE ONLY -- DO NOT WRITE BELOW THIS LINE**

CONTROL SECTION	TRUNKLINE	WORK TYPE	WORK METHOD	MILEPOINT FROM	MILEPOINT TO	LOCATION
63192	M5	70L	TU	99.999	99.999	<input type="checkbox"/> L <input type="checkbox"/> M <input type="checkbox"/> R <input type="checkbox"/> T
						<input type="checkbox"/> L <input type="checkbox"/> M <input type="checkbox"/> R <input type="checkbox"/> T

ENVIRONMENTAL ASSESSMENT  TYPE B CATEGORICAL EXCLUSION  CLASS II FEDERAL AID ACTION  OTHER:

INSPECTION TYPE  DEPARTMENT  MAINT. AGENCY  OTHER INSPECTION BY: MARK STUECHER-MDOT PHONE: (248) 451-2427 INSPECTION STATUS:  ROUTINE  BILLABLE

SURETY TYPE  CASH  BOND  CREDIT LETTER  EXEMPT  RESOLUTION  SELF-INSURED  RETAINER LETTER LIABILITY INSURANCE:  SELF-INSURED  REQUIRED  EXEMPT

REVIEWED BY	INT.	DATE	RECOMENDED FOR ISSUANCE
Construction			TITLE DATE
Maintenance			
Traffic			
Soils			
Design			
Maint. Agency			
Permits			

APPROVED FOR MICHIGAN DEPARTMENT OF TRANSPORTATION BY:

ENGR. OF UTILITIES PERMITS or DIST. CIP ENGR. DATE: 1/19/01

WORK ACCEPTED BY (Signature): *Mark Stuecher*

The Attachments and Special Conditions marked below are a part of this permit.

# ATTACHMENTS

- Special Conditions for Discharge of Treated Effluent (Form 2252)
- Special Conditions for Monitoring Wells (Form 2253)
- Special Conditions for Seismic Explorations (Form 2251)
- Special Conditions for Transverse Crossings (Form 2254)
- Bore and Jack Special Provision (BJ- )
- Utility Cuts, Trenches and Pavement Replacement (PA-01)
- Plan for Rural and Urban Residential Driveways (Form 2205A)
- Commercial Driveway, \_\_\_\_\_ (PA- )
- Traffic Control Details NO LANE CLOSURE
- Other: SUPPLEMENTAL CONDITIONS OF PERMIT
- Other: \_\_\_\_\_
- Other: UTILITY TRENCHES III-83H

# SPECIAL CONDITIONS

- The Department of Transportation does not, by issuance of this permit, assume any liability claims or maintenance costs resulting from the \_\_\_\_\_ facility placed by this permit. The Department reserves the right to require removal of all or any portion of this facility as needed for highway maintenance or construction purposes without replacement or reimbursement of any costs incurred by the permittee or other party. The permittee will defend, indemnify and hold harmless the Department for any claims whatsoever resulting from the construction or removal of the \_\_\_\_\_ authorized by this permit.
- All disturbed areas within the right of way must be topsoiled, seeded and mulched to match existing areas per current MDOT standards and specifications.
- Upon completion of the work, the permittee must furnish the Department with a set of as-built construction plans covered by this permit.
- SET THE CASTING ELEVATIONS FOR MH #1-8566 AND MH #1-8567 DURING THE CURB AND GUTTER CONSTRUCTION PHASE
- 

- 72 Hours Prior To Starting Work Notify This Inspection Agency For Instructions - And Upon Completion for FINAL INSPECTION.**

MARK STOECHER  
 MICHIGAN DEPARTMENT OF TRANSPORTATION  
 2300 DIXIE HWY SUITE 300  
 WATERFORD, MI 48328-1810  
 (248) 451-2427

SUPPLEMENTAL CONDITIONS OF PERMIT 63192-011-01

Place trench backfill in accordance with MDOT Standard IV-83H.

The depth of the installation shall be a minimum of four (4) feet below the ground.

All traffic control devices including signs and pavement markings (removal and installations) shall be maintained and/or installed in accordance with current MDOT Standards and Specifications. Charges **shall be** the sole responsibility of the permit applicant.

All utilities including drainage facilities shall be located prior to excavation in the MDOT right of way. MDOT facilities are not located through the Miss Dig system. A 72 hours advance written notice is required to have freeway lighting staked. Please contact Mr. David Johns at (248) 483-5125 or (FAX) (248)-569-3103 when working in the limited access right-of-way. Please contact the local municipality you are working in on free access rights of way.

Applicable warning, regulatory, and guide signs shall not be removed but shall be retained during the progress of the work in their existing location unless otherwise directed by the Department or its inspector. All MDOT signs requiring relocation due to the applicant's operations shall be salvaged, as per the current version of the MDOT Standard Specifications for Construction, and re-installed by the applicant at the original location unless otherwise directed by the Department or their inspecting agency. Salvaged signs shall be re-installed no later than one (1) day after the completion of the work or thirty (30) days after their removal, whichever occurs first.

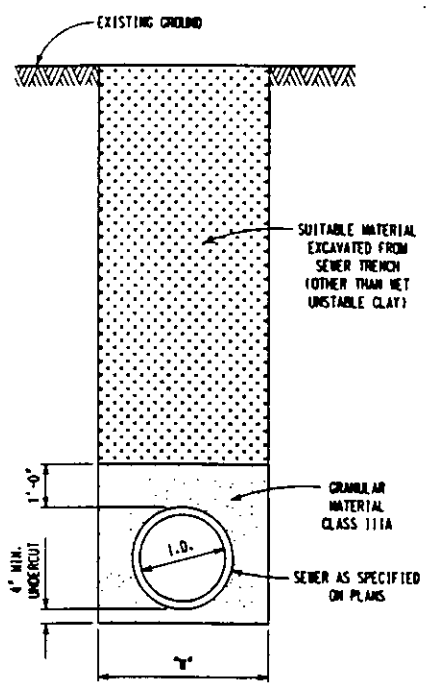
No parking or storage of material or equipment will be allowed within the MDOT right-of-way.

A safe and adequate travel route for pedestrians shall be maintained at all times. Pedestrians shall not be detoured into the existing roadway.

All traffic control devices used on this permit shall meet the requirements of the most recent editions of the Michigan Manual of Uniform Traffic Control Devices (MMUTCD) and American Traffic Safety Association (ATSA) "Quality Standards for Work Zone Traffic Control Devices." Traffic control devices are inclusive of signs, barricades, vertical panels, drums, warning lights, arrow boards, changeable message signs, cones, tubular markers, pavement tape, paint and pavement markers.

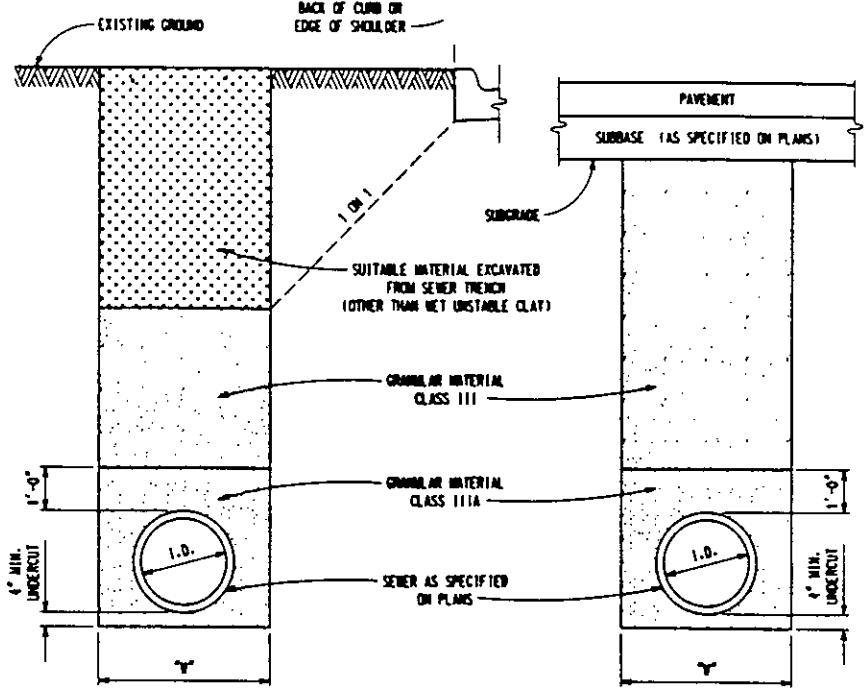
67343  
RECORDED R/W FILE NO.

RECORDED & FILED NO. 67343

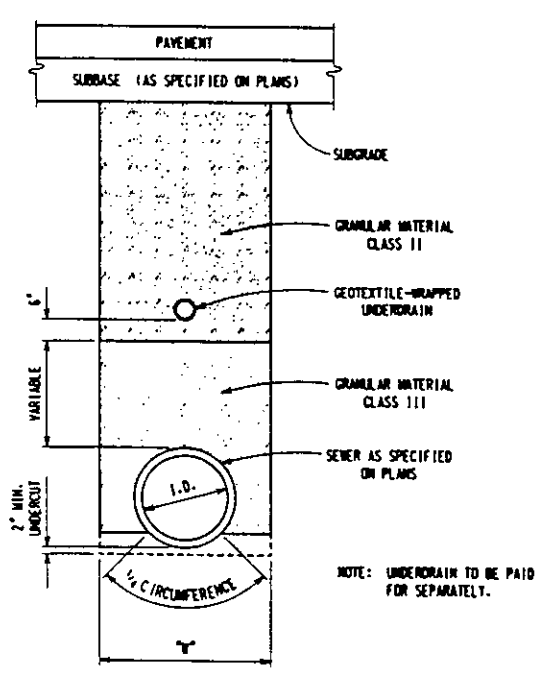


SEWER NOT UNDER ROADBED

NOTE: FOR "T" SEE NOTES ON SHEET 3

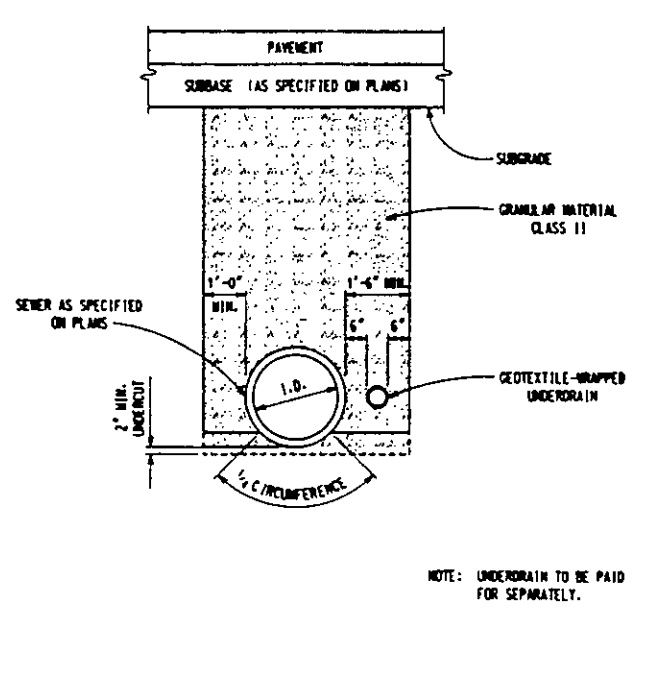


SEWER UNDER ROADBED OR WITHIN INFLUENCE OF ROADBED





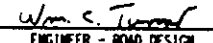
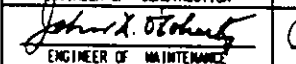



SEWER WITH UNDERDRAIN UNDER ROADBED

NOTE: UNDERDRAIN TO BE PAID FOR SEPARATELY.



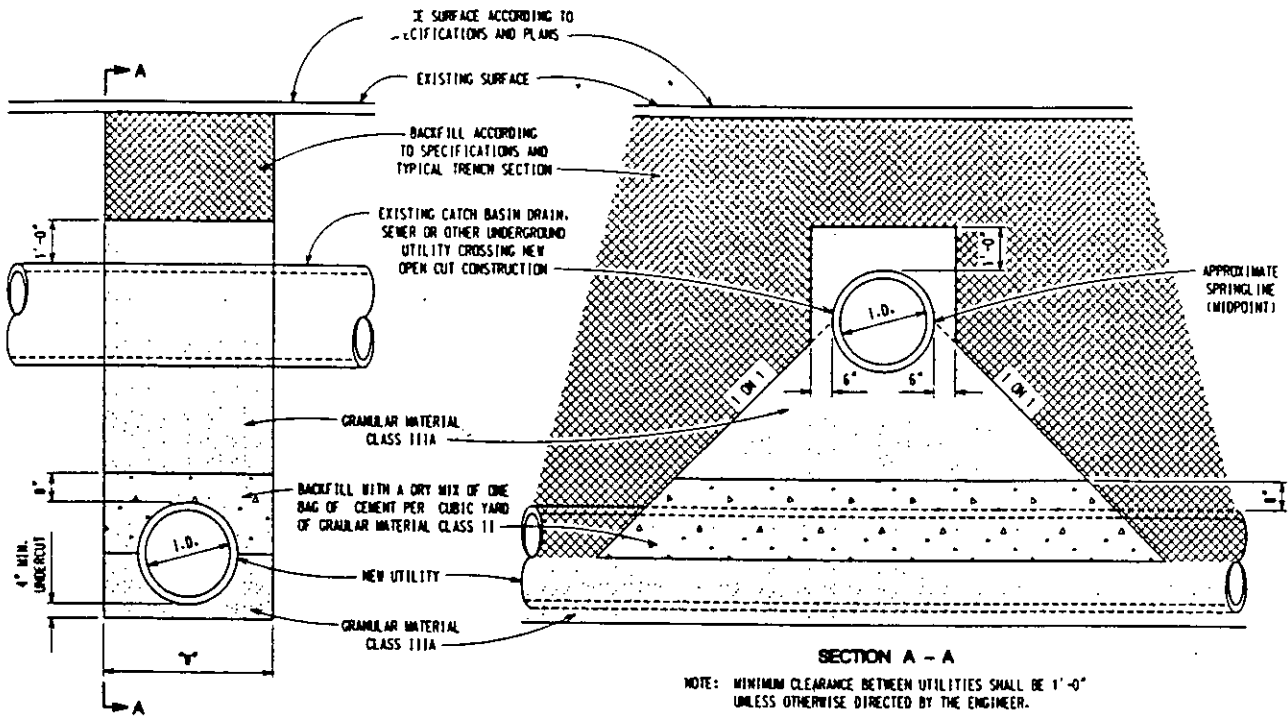
SEWER WITH UNDERDRAIN UNDER ROADBED (FOR SHALLOW SEWERS)

NOTE: UNDERDRAIN TO BE PAID FOR SEPARATELY.

 PREPARED BY DESIGN DIVISION DRAWN BY: B.L.T. CHECKED BY: V.K.P.	 ENGINEER OF CONSTRUCTION	 ENGINEER - ROAD DESIGN
	 ENGINEER OF MAINTENANCE	 ENGINEER OF DESIGN
	 ENGINEER OF MATERIALS & TECHNOLOGY	DEPARTMENT DIRECTOR PATRICK M. NOWAK
	 ENGINEER OF TRAFFIC AND SAFETY	DEPUTY DIRECTOR - HIGHWAYS

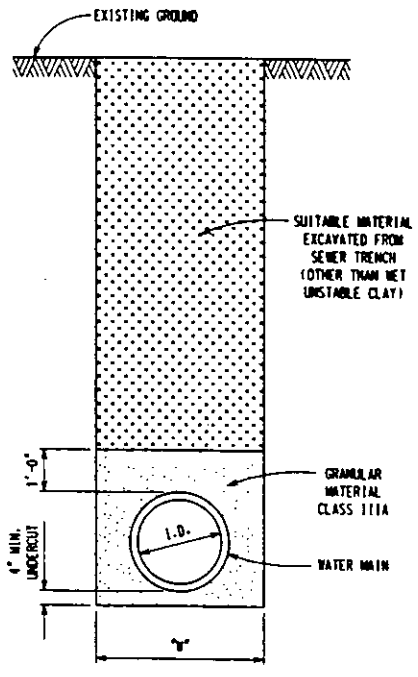
MICHIGAN DEPARTMENT OF TRANSPORTATION BUREAU OF HIGHWAYS STANDARD PLAN FOR <h2 style="text-align: center;">UTILITY TRENCHES</h2>			
12-6-94	11-3-94	IV-83H	SHEET 1 OF 3
E.N.W.A. APPROVAL	PLAN DATE		

RECORDED BY FILE NO. 67343



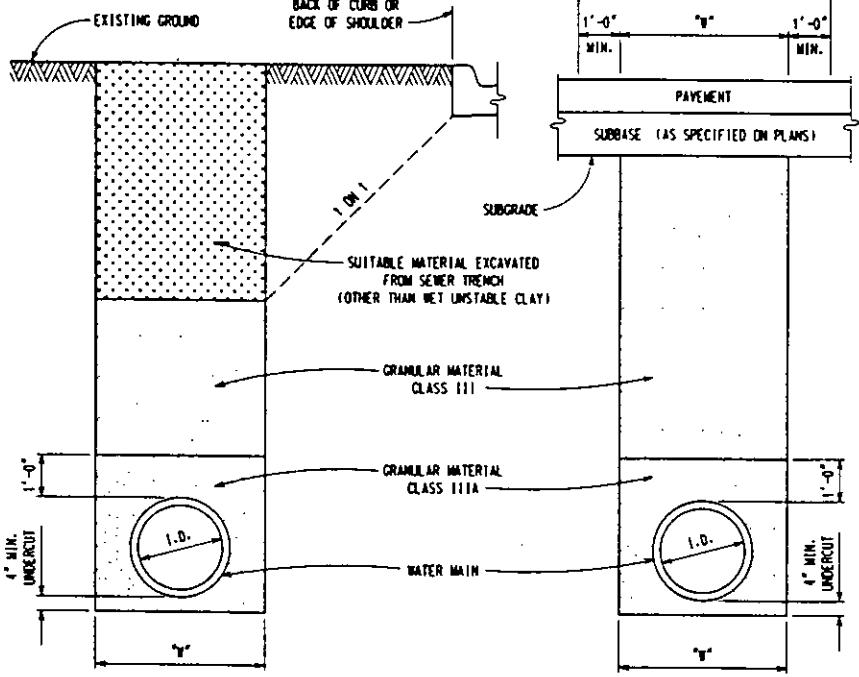
**TYPICAL DETAIL AT CROSSING UNDER EXISTING UTILITIES**  
 PAYMENT FOR THIS TRENCH DETAIL WILL BE INCLUDED WITH THE ADJACENT TRENCH DETAILS

E



**WATER MAINS NOT UNDER ROADBED**

F



**WATER MAINS UNDER ROADBED OR WITHIN INFLUENCE OF ROADBED**

G

NOTE: WHEN WATER MAIN IS PLACED IN PROPOSED ROADBED AREA, IT SHALL BE BACK FILLED WITH SELECTED EXCAVATION MATERIAL ABOVE FUTURE SUBGRADE TO EXISTING GROUND LINE.

PREPARED BY DESIGN DIVISION  
 DRAWN BY: B.L.T.  
 CHECKED BY: R.K.P.

*John J. O'Connell*  
 ENGINEER OF CONSTRUCTION  
*John J. O'Connell*  
 ENGINEER OF MAINTENANCE  
*Calvin Roberts*  
 ENGINEER OF MATERIALS & TECHNOLOGY  
*Robert M. ...*  
 ENGINEER OF TRAFFIC AND SAFETY

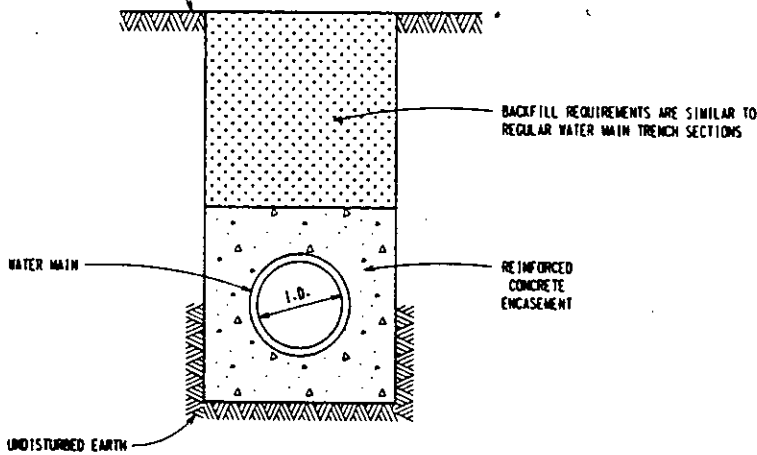
*Wm. S. Turner*  
 ENGINEER - ROAD DESIGN  
*C. D. ...*  
 ENGINEER OF DESIGN  
 DEPARTMENT DIRECTOR  
 PATRICK M. ...  
 BY: *...*  
 DEPUTY DIRECTOR - HIGHWAYS

MICHIGAN DEPARTMENT OF TRANSPORTATION  
 BUREAU OF HIGHWAYS STANDARD PLAN FOR

**UTILITY TRENCHES**

12-6-94 F.H.W.A. APPROVAL	11-3-94 PLAN DATE	IV-83H	SHEET 2 OF 3
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EXISTING GROUND  
BOTTOM OF SUBBASE



REQUIRED ENCASEMENT SIZE FOR RESPECTIVE PIPE SIZES	
DIAMETER OF PIPE	ENCASEMENT SIZE AND TRENCH WIDTH
6" - 12"	3' - 0"
16"	3' - 6"
24"	4' - 6"
30"	5' - 0"
36"	5' - 6"
42"	6' - 0"
48"	7' - 0"
54"	7' - 6"
60"	8' - 0"
66"	8' - 6"
72"	9' - 0"

NOTE:  
REINFORCEMENT SHALL BE AS SPECIFIED ON PLANS.

**WATER MAINS IN REINFORCED CONCRETE ENCASEMENT**

H

NOTES:

BEDDING UNDER THE UTILITY SHALL BE AS SPECIFIED AND THE UNDERCUT MATERIAL REPLACED WITH GRANULAR MATERIAL CLASS 111A. BACKFILLING SHALL BE ACCORDING TO THE CURRENT STANDARD SPECIFICATION.

BACKFILL FOR UTILITY TRENCHES ABOVE GRANULAR MATERIAL CLASS 111A SHALL BE AS FOLLOWS:

- (A) GRANULAR MATERIAL, OF THE CLASS SPECIFIED ON DETAILS, SHALL BE USED TO BACKFILL TRENCHES UNDER THE ROADBED AND SHALL BE COMPACTED TO NOT LESS THAN 95% OF MAXIMUM UNIT WEIGHT.
- (B) GRANULAR MATERIAL, OF THE CLASS SPECIFIED ON DETAILS, SHALL BE USED TO BACKFILL UTILITY TRENCHES OUTSIDE THE ROADBED, BUT WITHIN THE 1 ON 1 ZONE OF INFLUENCE SHOWN. IT WILL ALSO BE USED AS BACKFILL UNDER SIDEWALKS, SURFACED AREAS, AND MISCELLANEOUS STRUCTURES, COMPACTED TO NOT LESS THAN 95% OF MAXIMUM WEIGHT.
- (C) MATERIAL EXCAVATED FROM THE UTILITY TRENCHES SHALL BE USED TO BACKFILL UTILITY TRENCHES OUTSIDE THE LIMITS OF THE 1 ON 1 ZONE OF INFLUENCE AND SHALL BE COMPACTED TO NOT LESS THAN 90% OF MAXIMUM UNIT WEIGHT.

GRANULAR MATERIAL CLASS 1, 11, 11A, OR 111A MAY BE USED WHERE GRANULAR MATERIAL CLASS 111 IS SPECIFIED ON THE PLANS.

SUFFICIENT TRENCH WIDTH SHALL BE PROVIDED TO ALLOW FREE WORKING SPACE AND TO PERMIT COMPACTING THE BACKFILL AROUND THE PIPE.

THE FOLLOWING ARE MINIMUM TRENCH WIDTHS:



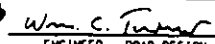
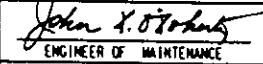




I.D. PIPE SIZE (INCHES)	LESS THAN 18	21	24	30	36
"W" TRENCH WIDTH (FEET)	3.0	3.5	4.0	5.0	6.0

I.D. PIPE SIZE (INCHES)	42	48	54	60	66	72
"W" TRENCH WIDTH (FEET)	7.0	8.0	9.5	10.0	10.5	11.0

I.D. PIPE SIZE (INCHES)	78	84	90	96	102	108
"W" TRENCH WIDTH (FEET)	11.5	12.0	12.5	13.0	13.5	14.0

ESTIMATED PAVEMENT REMOVAL WIDTH IS TO BE TRENCH WIDTH "W" PLUS 1' EACH SIDE OF THE TRENCH 16' MINIMUM.

RECORDED BY W. J. MILLER, INC. 67343

 PREPARED BY DESIGN DIVISION DRAWN BY: B.L.T. CHECKED BY: V.K.P.	 ENGINEER OF CONSTRUCTION	 ENGINEER - ROAD DESIGN
	 ENGINEER OF MAINTENANCE	 ENGINEER OF DESIGN
	 ENGINEER OF MATERIALS & TECHNOLOGY	DEPARTMENT DIRECTOR PATRICK M. NOWAK
	 ENGINEER OF TRAFFIC AND SAFETY	BY:  DEPUTY DIRECTOR - HIGHWAYS

MICHIGAN DEPARTMENT OF TRANSPORTATION BUREAU OF HIGHWAYS STANDARD PLAN FOR <b>UTILITY TRENCHES</b>		
12-6-94 F.H.W.A. APPROVAL	11-3-94 PLAN DATE	IV-83H
		SHEET 3 OF 3

## GENERAL CONDITIONS

This permit is issued subject to the following conditions:

1. This permit grants to the permittee only those rights specifically stated and no other. Maintenance work within the trunkline right of way may require a separate permit unless authorized within the scope of the annual permit. Individual permits must be secured for any work in limited access right of way.
2. Issuance of this permit does not relieve permittee from meeting any and all requirements of law, or of other public bodies or agencies. The permittee shall be responsible for securing and shall secure any other permits or permission necessary or required by law from cities, villages, townships, corporations, or individuals for the activities hereby permitted.
3. The permittee agrees as a condition of this permit to:
  - a. Have in the permittee's or the permittee's representative's possession on the job site at all times the approved permit or a copy thereof, with necessary plans or sketches.
  - b. Give advance notice of permitted activity to the Department Region Utilities-Permits Engineer or designated representative at least five (5) days prior to commencement of any operations covered by this permit, or as specified (form 2204).
  - c. Perform no work except emergency work, unless authorized by the Department, on Saturdays, Sundays, or from 3:00 p.m. on the day preceding until the normal starting time the day after the following holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day.
  - d. Provide and maintain all necessary precautions to prevent injury or damage to persons and property from operations covered by this permit.
  - e. Furnish, install and maintain all necessary traffic controls and protection during permittee's operations in accordance with the Michigan Manual of Uniform Traffic Control Devices and any supplemental specifications set forth herein.
  - f. Advise the Region Utilities-Permits Engineer or designated representative within seven (7) days of completion of work authorized by this permit, so that final inspection may be made and surety deposit released (where applicable). Surety deposit will not be released until the work authorized by the permit has been completed and inspected, and all inspection charges billable to the permittee are paid.
4. Nothing in this permit shall be construed to grant any rights whatsoever to any public utilities, except as to the consent herein specifically given, nor to impair any existing rights granted in accordance with the constitution or laws of this state.
5. Any operations in the trunkline right of way not covered by permit and the appropriate Department specifications are in violation of the jurisdictional authority of the Department, with respect to the control of the trunkline right of way, unless approved by the Region Utilities-Permits Engineer. Any change or alteration in the permit activities requires prior approval of the Department and may require a new permit.
6. Performance of the requirements of this permit is the responsibility of the permittee. The permittee shall complete all operations for which this permit is issued in accordance with the conditions of this permit, by the specified completion date. The permittee shall meet all requirements of the current Department Standard Specifications for Construction, and the Supplemental Specifications set forth on/or incorporated as a part of this permit.
7. The construction, operation and maintenance of the facility covered by this permit shall be performed without cost to the Department unless specified herein. The permittee shall be responsible for the cost of restoration of the state trunkline and right of way determined by the Department to be damaged as a result of the activities of the permittee.
8. Facilities allowed on state trunkline right of way shall be placed and maintained in a manner which will not impair the state trunkline or interfere with the reasonable safe and free flow of traffic. Failure of the permittee to maintain the facilities located within the State trunkline right of way so as not to interfere with the operation, maintenance or use of the state trunkline by the traveling public may result in revocation of the permit.
9. The permittee is solely and fully responsible for all activities undertaken pursuant to the permit. Any and all actions by the Department and those governmental bodies performing permit activities for the Department pursuant to a maintenance contract, including but not limited to any approved reviews and inspections of any nature, permit issuing, and final acceptance or rejection of the work or activity authorized by the permit shall not be construed as a warranty or assumption of liability on the part of the Department or those governmental bodies. It is expressly understood and agreed that any such actions are for the sole and exclusive purposes of the Department and the governmental bodies acting in a governmental capacity. Any such actions by the Department and governmental bodies will not relieve the permittee of its obligations hereunder, nor are such actions by the Department and the governmental bodies to be construed as a warranty as to the propriety of the permittee's performance. The permittee shall save harmless the State of Michigan, Michigan Transportation Commission, the Department and all officers, agents and employees thereof, and those governmental bodies performing permit activities for the Department and all officers, agents and employees thereof, pursuant to a maintenance contract, against any and all claims for damages arising from operations covered by this permit and upon request shall furnish proof of insurance coverage for the term of this permit in an amount prespecified.
10. This permit is not assignable and not transferrable unless specifically agreed to by the Department.
11. The permittee, upon request of the Department, shall immediately remove, cease operations, and surrender this permit, or alter or relocate, at the permittee's own expense, the facility for which this permit is granted. Upon failure to do so, the Department may take any necessary action to protect the trunkline interest and the permittee shall reimburse the Department for its costs in doing same. The permittee expressly waives any right to claim damages or compensation in the event this permit is revoked.
12. The permittee shall, upon request by the Department, furnish a performance surety deposit in the form of a bond, cash, certified check, or (when authorized by the Department) an irrevocable letter of credit in such amount as deemed necessary by the Department to guarantee restoration of the trunkline highway or performance under the conditions of the permit.
13. The permittee hereby acknowledges and agrees that the Department has the right to demand completion by the permittee, or the performance surety, or to complete any uncompleted activity authorized by this permit which adversely affects the operation and/or maintenance of the state trunkline highway, or which is not completed by the expiration date of the permit, including:
  - a. Completion of construction of driveway and/or approach (not authorized by annual permit).
  - b. Removal of materials.
  - c. Restoration of the trunkline facilities and right of way as necessary for the reasonably safe and efficient operations of the trunkline highway.The permittee further agrees to immediately reimburse the Department in full for all such costs incurred by the Department upon receipt of billing, and that upon failure to pay, the Department may effect payment with the performance surety deposit. Should the surety deposit be insufficient to cover expenses incurred by the Department, the permittee shall pay such deficiency upon billing by the Department. If the surety deposit exceeds the expense incurred by the Department, any excess will be returned or released to the depositor upon completion of the work to the satisfaction of the Department.
14. The Department reserves the right during the time any or all of the work is being performed to assign an inspector to protect the trunkline interest, and to charge the permittee all such costs incurred. In addition, the permittee may be billed any engineering and review fees incurred by the Department or its agent in connection with the work covered by this permit.

67343  
MICHIGAN DEPARTMENT OF TRANSPORTATION

15. **Emergency Operations:** In time of disaster or emergency, or where utility lines or facilities are so damaged as to constitute a danger to life and property of the public, access to the same may be had by the most expeditious route. Work is to be done in a manner which will provide the traveling public with maximum possible safety. Notice of such situations shall be given to the nearest police authority and the Department as soon as can reasonably be done under the circumstances. During normal Department working hours, the permittee shall advise the Region Utilities-Permits Engineer of any operations within right of way which affect traffic operations or the highway structure or facilities prior to performance of the work. After normal Department working hours, the permittee, at the beginning of the first working day after the emergency operation, shall advise the Region Utilities-Permits Engineer of any operations which affect traffic operations or the highway structures and facilities. If determined necessary by the Region Utilities-Permits Engineer, the permittee shall secure an individual permit for such work after notification.
16. Upon the Department's request, as built drawings of work performed will be furnished to the Department within 30 days after completion of the work.
17. The permittee shall give notice to public utilities in accordance with Act 53, P.A. of 1974, as amended, and comply with all applicable requirements of this act. The permittee shall also comply with requirements of Act 347, P.A. of 1972, as amended, controlling soil erosion and sedimentation.
18. The permittee acknowledges that the Department is without liability for the presence of the permittee's facility which is located within the trunkline right of way. Acceptance by the Department of work performed, and/or notice of termination of performance obligations for the surety and/or the permittee do not relieve the permittee of full responsibility for the permittee's work or for the presence of the permittee's facility in the trunkline right of way.
19. Where the Department has accepted an Indemnification Commitment in lieu of bond and/or insurance policies, such commitment is incorporated into this permit by reference.
20. It is illegal to discharge substances other than storm water into the Department's storm sewer system unless permission has been obtained in writing for other discharges.
21. The permittee shall be responsible for obtaining information on permitted environmental site closures within MDOT right of way. MDOT has implemented a program that allows environmental contamination to remain within the right of way by use of a permit. Issued permit information can be obtained from the Region/TSC in which the permit is issued. If the permittee will encounter a site area identified as a site closure permit area, the permittee shall follow instructions and conditions set forth in Supplemental Specification #3 and specifications found in form 2205-C, "Special Conditions for Underground Construction."

## SUPPLEMENTAL SPECIFICATIONS

1. **Construction and Maintenance of Facilities** - To construct and maintain utility crossings of limited access highways, access for the utility's service vehicles may be from county roads, service roads, and openings authorized in limited access right of way fences. The construction of utilities across limited access highways should be for the purpose of serving a general area rather than providing individual services, unless extenuating circumstances necessitate such crossings.  
  
Equipment, vehicles or personnel will not operate within a distance of 10 meters (30 feet) from the edge of the pavement of roadways or ramps on limited access highways. At locations where utilities have been constructed in medians having a width greater than 25 meters (80 feet), or have otherwise been allowed to remain or to be constructed in limited access right of way, ingress and egress shall be by such routes as specified by the Department, which may also specify additional safety provisions.  
  
Unless authorized, no maintenance of facilities will be permitted with access from the main roadways or ramps of limited access highways.
2. **Restoration** - Restoration of the trunkline highway and right of way will be such that it will provide a condition equal to or better than the original condition, in accordance with Michigan Department of Transportation Standard Specifications.
3. **Excavation and Disposal of Excavated Material** - The permittee shall provide and place the necessary sheeting, shoring and bracing required to prevent caving, loss or settlement of foundation material supporting the pavement, or any other highway installation such as sewers, culverts, etc. The permittee shall assume the full responsibility for this protection and shall not proceed in these areas before approval of methods by the Department.  
  
Construction equipment and excavating material shall not be stocked in such locations that it creates a traffic hazard or interferes with the flow of traffic; and on limited access highways, shall be a minimum of 10 meters (30 feet) from the traveled way. Sod and topsoil shall be stacked separately from other excavated material. The permittee shall dispose of all surplus and unsuitable material outside of the limits of the highway, unless the permit provides for disposal at approved locations within the right of way. In the latter case, the material shall be leveled and trimmed in an approved manner.  
  
When the permittee is excavating within trunkline right of way and discovers existing contaminated soil and/or an abandoned underground storage tank, special permit specifications entitled "Special Conditions for Underground Construction" (Form 2205-C) shall apply.
4. **Utility Cuts, Trenches and Pavement Replacement** - Utility crossing by pavement cutting and removal are generally prohibited. If extenuating circumstances make boring and jacking impractical pavement cutting may be used with approval of the Utilities-Permits Engineer. All utility cuts, trenching and pavement replacement shall comply with the requirements of the Standard Specifications and the Standard Plan "Utility Cuts, Trenches and Pavement Replacement." Unless otherwise specified, cuts in concrete residential and commercial drives shall be as above, except that the patch width shall be a minimum of 1 meter (3 feet) and the remaining slab from patch to existing joint shall be a minimum of 1 meter (3 feet). Backfill shall be made with sand-gravel as specified in the Standard Specifications, unless otherwise directed. After the backfill has been placed and compacted by controlled density method, the pavement shall be replaced with new pavement of the original type and quality, unless at a season of the year when it is not feasible to replace pavement in kind. In this case, a temporary surface of bituminous material shall be placed with Department approval and later replaced with pavement of the original type at the applicant's expense. Other pavement types may be allowed with prior approval of the Department.
5. **Crossing Roadbed by Tunneling or Boring and Jacking** - All crossing of roadbed operations involving tunneling, boring and jacking shall comply with the Department's special provisions for such work.
6. **Backfilling and Compacting Backfill** - Unless otherwise specified, all trenches, holes and pits shall be filled with sound earth or with sand-gravel if so provided, placed in successive layers not more than 233 mm (9 inches) in depth, loose measure, and each layer shall be thoroughly compacted by tamping. All backfill compaction will be subject to check by the controlled density method.
7. **Depth of Cover Method** - Unless otherwise authorized, pipes shall be placed to a depth that will provide not less than 1.3 meters (4 feet) of cover between the top of roadway surface and the pipe, or 1 meter (3 feet) of cover below the ditch line and the pipe.
8. **Trees:**
  - a. The permittee is responsible for obtaining permission from abutting owners when trimming or removing trees on easement right of way.
  - b. Tree removal or trimming may be undertaken only after submission of an "Advance Notice of Permitted Activity" (form 2204), a field review by the Region Resource Specialist and a written approved copy of the advance notice returned to the permittee.
  - c. Limbs, logs, stumps and litter shall be disposed of in a manner acceptable to the Department.
  - d. Tree roots shall be bored a distance of 12 mm for each mm of trunk (one foot for each one inch of trunk) diameter for underground utility installations.
9. **Aerial Wire Crossings** - Vertical clearance of wires, conductors and cables over state trunkline shall not be less than required by section 232 of the National Electrical Safety Code, except in no case shall the under-clearance below any wire, conductor, or cable, under any temperature or loading condition, be less than eighteen feet (18').