

**INDEX OF SHEETS**

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**STANDARD PLANS**

WHERE THE FOLLOWING ITEMS ARE CALLED FOR ON THE PLANS THEY ARE TO BE CONSTRUCTED ACCORDING TO THE STANDARDS PLAN GIVEN BELOW OPPOSITE EACH ITEM UNLESS OTHERWISE INDICATED

**ROAD**

- SIDEWALK RAMP DETAILS
- DRIVEWAY OPENINGS & APPROACHES AND CONCRETE SIDEWALKS
- CONCRETE CURB AND CONCRETE CURB & GUTTERS
- LONGITUDINAL PAVEMENT JOINTS
- TYPICAL JOINT LAYOUT FOR CONCRETE PAVEMENT
- LOCATION OF TRANSVERSE JOINTS IN PLAIN CONCRETE PAVEMENT
- CONCRETE PAVEMENT REPAIR
- GUARDRAIL TYPES A, B, BD, T AND TD
- GUARDRAIL ANCHORAGE, BRIDGE, DETAILS
- GRANULAR BLANKET, UNDERDRAINS AND OUTLET ENDINGS FOR UNDERDRAINS
- SOIL EROSION & SEDIMENTATION CONTROLS MEASURES
- SCODING, SEEDING AND TREE PLANTING
- SUPERELEVATION AND PAVEMENT CROWNS
- TEMPORARY TRAFFIC CONTROL DEVICES
- GUARDRAIL AT INTERSECTIONS

- R-28-J\*
- R-29-I
- R-30-G
- R-39-K\*
- R-42-F
- R-43-T
- R-44-F
- R-60-J\*
- R-67-G\*
- R-80-E
- R-96-E
- R-100-H
- R-107-E
- R-125-D\*
- 21\*

**BRIDGE**

- 1) BRIDGE RAILING, AESTHETIC PARAPET TUBE
- 2) MOLDING, BEVEL, LIGHT STANDARD ANCHOR BOLT ASSEMBLY AND NAME PLATE DETAILS
- 3) SEE ROAD PLANS FOR ADDITIONAL STANDARD PLANS & SPECIAL DETAILS.

- B-25-K
- B-103-E

**PUBLIC UTILITIES**

|   |  |   |  |  |  |
|---|--|---|--|--|--|
| <p>AT&amp;T<br/>METRO EAST<br/>100 S MAIN ST, SUITE 314<br/>MT CLEMENS, MI 487043-2374<br/>JOE SIKOKI</p> <p>RIGHT OF WAY- METRO WEST<br/>17651 MICHIGAN AVE., RM 301<br/>DEARBORN, MI 48126<br/>KEVIN LOGAN<br/>CELL<br/>FAX<br/>K129152att.com<br/>MARK BRANAM<br/>Mark.branam@att.com<br/>BRADLEY HALL<br/>Bradley.hall@att.com<br/>DEREK BULKLEY<br/>Derek.m.bulkley@att.com</p> <p>NOTE:<br/>AT&amp;T WILL REQUIRE FIVE TO SEVEN BUSINESS DAYS ADVANCE NOTICE PRIOR TO ADJUSTING FRAMES AND COVERS. CONTACT AT&amp;T AT (734) 523-6883.</p> <p>CITY OF DETROIT<br/>PUBLIC LIGHTING<br/>AUTHORITY OF DETROIT<br/>65 CADILLAC SQUARE, SUITE 3100<br/>DETROIT, MI 48226<br/>PHONE<br/>WEBSITE: www.pladetroit.org</p> <p>CITY OF DETROIT<br/>DETROIT WATER &amp; SEWERAGE DEPARTMENT<br/>6425 HUBER (CSF) A-219<br/>DETROIT, MI 48211<br/>DEBRA SINGLETON<br/>dsingleton@dwsd.org<br/>EMERGENCY 24 HOUR SERVICE</p> | <p>TELEPHONE</p> <p>(586) 466-6310</p> <p>(313) 240-5482<br/>(734) 223-5645<br/>(313) 982-1029</p> <p>(313) 240-5390</p> <p>(313) 466-1049</p> <p>(313) 240-5480</p> <p>(313) 324-8290</p> <p>(313) 267-8309</p> <p>(313) 267-7401</p> | <p>CITY OF DETROIT<br/>DETROIT FIRE DEPARTMENT<br/>FIRE MARSHAL'S DIVISION<br/>1301 THIRD STREET<br/>DETROIT, MI 48226<br/>PHONE<br/>CHIEF OTIS B. HOLT<br/>FAX</p> <p>CITY OF DETROIT, DETROIT POLICE<br/>DEPARTMENT<br/>DETROIT PUBLIC SAFETY HEADQUARTERS<br/>1301 THIRD STREET<br/>DETROIT, MI 48226<br/>PHONE<br/>FAX</p> <p>CITY OF DETROIT<br/>TRAFFIC ENGINEERING, D.P.W.<br/>2633 MICHIGAN AVENUE<br/>DETROIT, MI 48207<br/>ASHOK PATEL<br/>FAX<br/>AshPat@detroitmi.gov<br/>JUBI CHACKUNKAL<br/>JubCha@detroitmi.gov<br/>KIRIT PATEL<br/>Patelki@detroitmi.gov</p> <p>SIGN SHOP<br/>2425 FENKELL<br/>DETROIT, MI 48238<br/>SIGN SHOP MANAGE<br/>FAX</p> <p>COMCAST CABLEVISION<br/>12775 LYNDON<br/>DETROIT, MI 48227<br/>BENE CUMMINGS<br/>FAX</p> | <p>FIRE CALL BOXES AND<br/>FIRE HYDRANTS</p> <p>(313) 596-2900<br/>(313) 224-1311<br/>(313) 596-2978</p> <p>POLICE CALL BOXES</p> <p>(313) 596-2200<br/>(313) 596-1450</p> <p>PAVEMENT MARKINGS,<br/>SIGNS &amp; TRAFFIC SIGNALS</p> <p>(313) 224-1610<br/>(313) 224-1304</p> <p>(313) 224-1315<br/>(313) 407-4124<br/>(313) 628-5641</p> <p>SIGNS REMOVALS &amp;<br/>INSTALLATIONS</p> <p>(313) 628-2923<br/>(313) 628-4966</p> <p>TV CABLES</p> <p>(313) 934-2600<br/>(313) 934-4824</p> | <p>DTE, GAS COMPANY<br/>ONE ENERGY PLAZA-WCB1722<br/>DETROIT, MI 48226<br/>DAVE ORZEL<br/>orzeld2@teenergy.com</p> <p>DTE, ELECTRIC COMPANY<br/>ONE ENERGY PLAZA<br/>IGS GROUP, 5185B<br/>DETROIT, MI 48226<br/>ROBIN O'CONNELL<br/>FAX<br/>EXPOSED OR DAMAGED FACILITIES</p> <p>DTE, ENERGY/MICHIGAN GAS<br/>DATA INTEGRITY GAS<br/>ONE ENERGY PLAZA-WCB1836<br/>DETROIT, MI 48226<br/>BARBARA SAUNDERS<br/>CELL<br/>EXPOSED OR DAMAGED FACILITIES</p> <p>HIGH PRESSURE GAS<br/>TRANSMISSION</p> <p>(313) 235-1135</p> <p>ELECTRIC POWER</p> <p>(313) 235-5632<br/>(313) 235-9366<br/>(313) 237-9564</p> <p>GAS MAINS</p> <p>(313) 235-5111<br/>(313) 920-4488<br/>(800) 477-4747</p> | <p>NOTE: CONTACT DTE TEN (10) WORKING DAYS PRIOR TO THE CONSTRUCTION START DATE TO COORDINATE ADJUSTMENTS FOR DETROIT EDISON MANHOLES.</p> <p>DETROIT THERMAL LLC<br/>541 MADISON<br/>DETROIT, MI 48226<br/>TOM MONRO<br/>FAX</p> <p>STEAM LINES</p> <p>(313) 921-1922<br/>(313) 921-1972</p> <p>ELECTRICITY TRANSMISSION COMPANY</p> <p>(248) 946-3322</p> <p>ALL UNDERGROUND UTILITIES</p> <p>MISS DIG<br/>CALL THREE (3) WORKING DAYS BEFORE YOU DIG<br/>(800) 482-7171 OR 811</p> <p>WAYNE COUNTY TRAFFIC OFFICE<br/>29900 GODDARD RD.<br/>DETROIT, MI 48242<br/>PHONE</p> <p>(734) 955-2154</p> |
|---|--|---|--|--|--|

CITY OF DETROIT  
DEPARTMENT OF PUBLIC WORKS



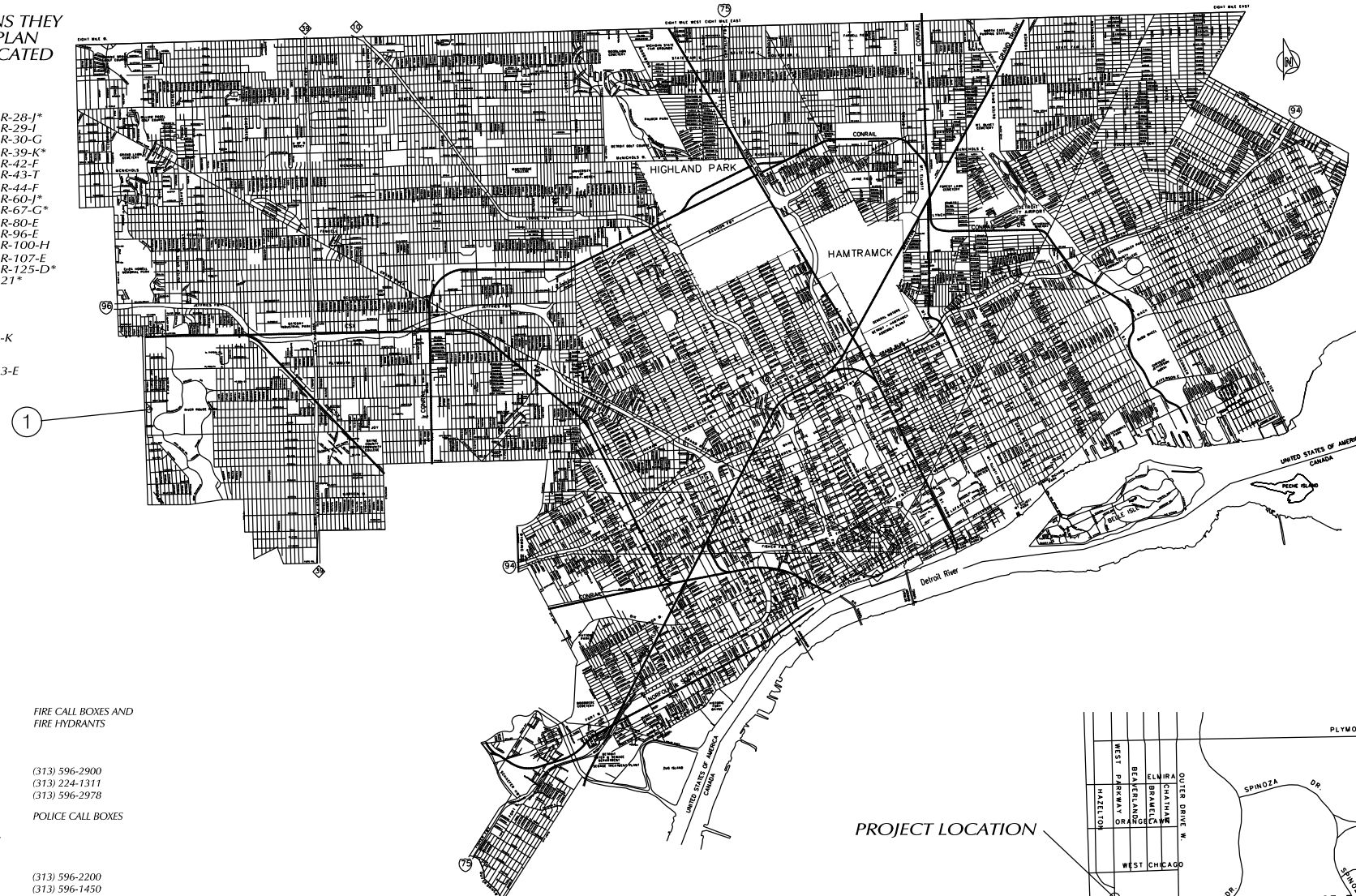
CONTROL SECTION

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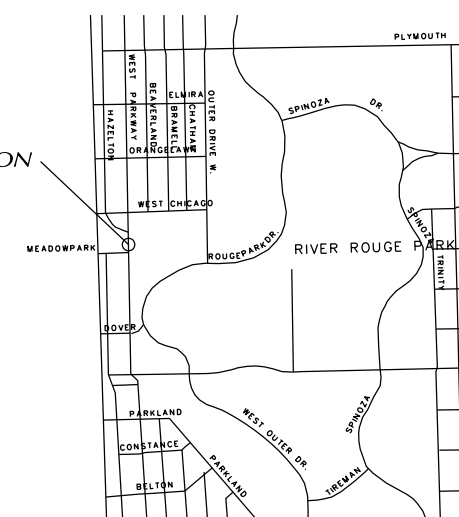
PROJECT JOB NO.

PW-6987

CULVERT REPLACEMENT PROJECT  
REPLACEMENT OF THE W. PARKWAY CULVERT OVER  
ASHCROFT - SHERWOOD DRAIN



PROJECT LOCATION



THE DESIGN OF THIS STRUCTURE IS BASED ON CURRENT AMERICAN ASSOCIATION OF THE STATE HIGHWAY AND TRANSPORTATION OFFICIALS, (AASHTO), FOR HIGHWAY BRIDGES HS 25 LOADING. LIVE LOAD PLUS IMPACT DEFLECTION DOES NOT EXCEED 1/800 OF THE SPAN LENGTH. THE LOAD FACTOR METHOD OF DESIGN WAS USED FOR THIS STRUCTURE.

EXCEPT WHERE OTHERWISE INDICATED ON THESE PLANS, THE PROPOSAL AND SUPPLEMENTAL SPECIFICATIONS CONTAINED HEREIN, ALL MATERIALS AND WORKMANSHIP SHALL BE ACCORDANCE WITH THE MICHIGAN DEPARTMENT OF TRANSPORTATION STANDARDS SPECIFICATIONS FOR CONSTRUCTION 2003 EDITION.

ALL EXPOSED CONCRETE CORNERS SHOWN SQUARE ON THE PLANS SHALL BE BELIEVE WITH 1/2" TRIANGULAR MOLDINGS EXCEPT AS OTHERWISE NOTED.

THE DESIGN OF THE STRUCTURAL MEMBERS IS BASED ON MATERIALS OF THE FOLLOWING GRADES AND STRESSES.

- CONCRETE: GRADE S2 f'c = 3,000 PSI
- CONCRETE: GRADE D f'c = 4,000 PSI
- STEEL REINFORCEMENT: fy = 60,000 PSI
- PRESTRESSED CONCRETE: f'c = 5,000 PSI

ALL DIMENSIONS ON THESE PLANS ARE IN INCHES EXCEPT AS NOTED.



|                   |                 |                     |
|-------------------|-----------------|---------------------|
| DESIGNED BY<br>LA |                 | Date:<br>01/24/2018 |
| Drawn<br>WLW      |                 |                     |
| Checked By ---    | Approved By --- | Job No: PW-6987     |

CONTRACT FOR:  
REPLACEMENT OF THE W. PARKWAY CULVERT  
OVER  
ASHCROFT - SHERWOOD DRAIN

LOCAL AUTHORITY APPROVAL  
CITY OF DETROIT  
DEPARTMENT OF PUBLIC WORKS  
CITY ENGINEERING DIVISION

APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_

PREPARED UNDER THE SUPERVISION OF  
\_\_\_\_\_  
REGISTERED PROFESSIONAL ENGINEER REGISTRATION NO. \_\_\_\_\_  
CITY OF DETROIT ORGANIZATION  
CITY ENGINEERING DIVISION, D.P.W.  
2 WOODWARD AVE. SUITE 601 DETROIT MI 48216  
ADDRESS

CONTROL SECTION NO.: XXX XXXXX  
JOB NO.: PW-6987