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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 NOTES**

- 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

**BRIDGE NOTES**

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

**PUBLIC UTILITIES**

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



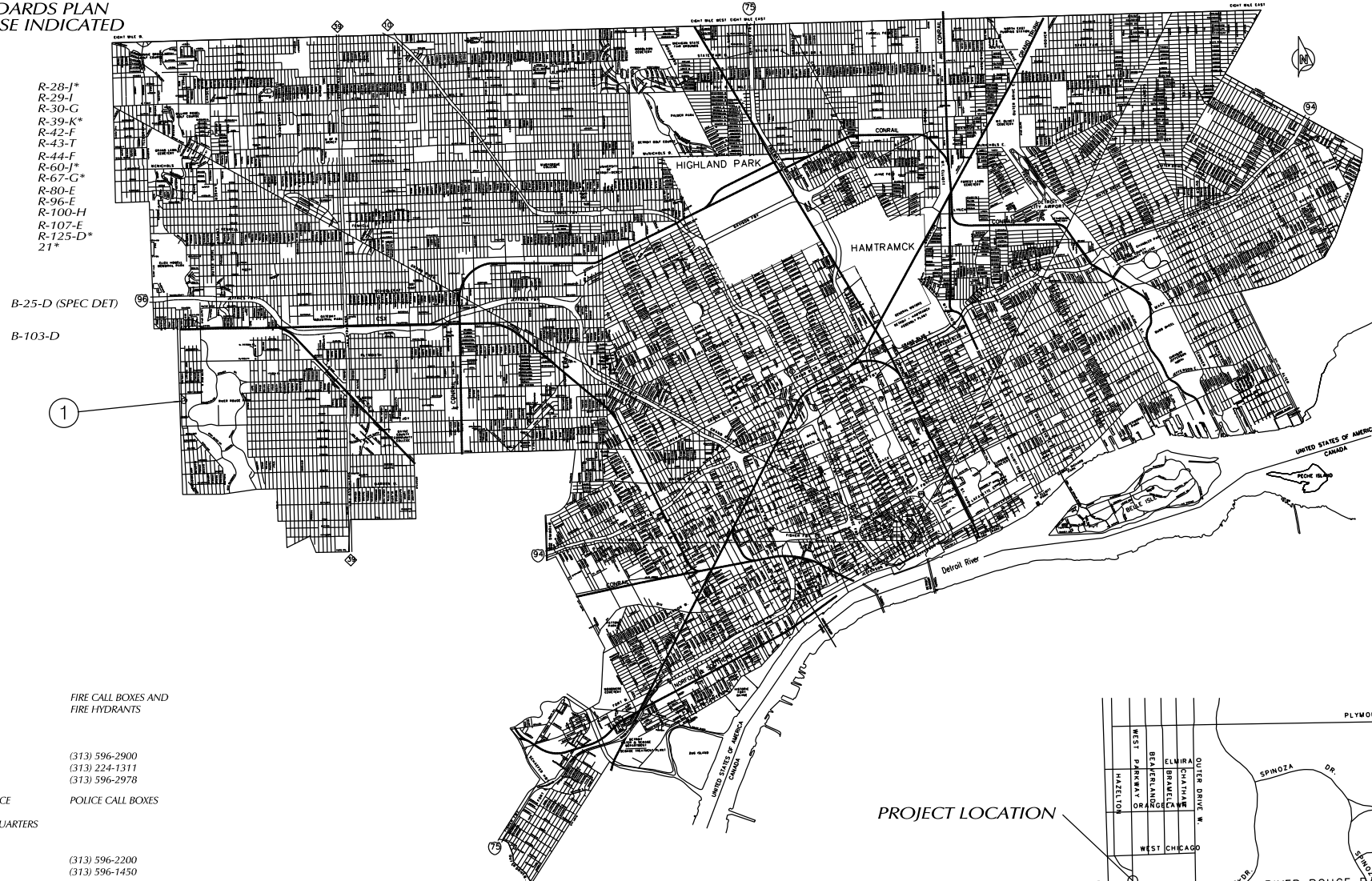
CONTROL SECTION

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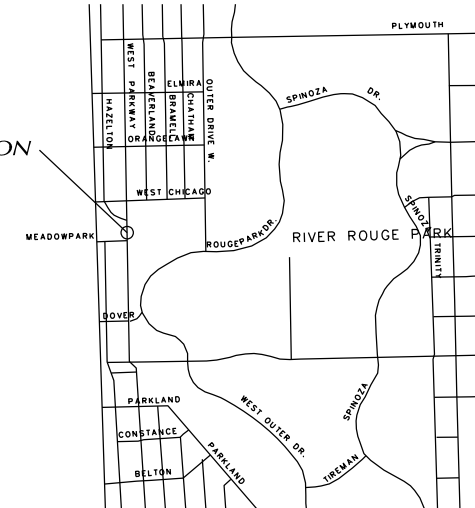
PROJECT JOB NO.

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:  $f_y = 60,000$  PSI
- PRESTRESSED CONCRETE:  $f_c = 5,000$  PSI

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



DESIGNED BY LA		Date: 12/04/2017
Drawn 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		
SHEET ___ OF ___		

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