

DOMESTIC WATER PIPING REPLACEMENT, AND MISC. UPGRADES

For



Huron-Superior Catholic
DISTRICT SCHOOL BOARD

at

St. Mary Catholic School



290 Algoma Street,
Massey, Ontario

NME PROJECT NO. #: P1336



**NOR MECH
ENGINEERING**

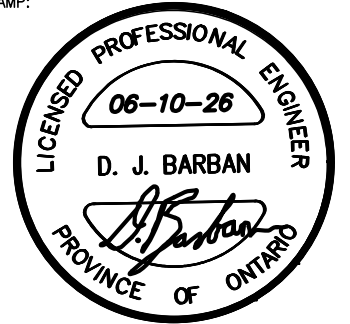
1141 Old Garden River Road,
Sault Ste. Marie, Ontario
Tel: (705) 942-0114
Email: david@normecheng.ca



NOR MECH ENGINEERING

1141 Old Garden River Road
Sault Ste. Marie, Ontario P6A 6J8

STAMP:



REV.	DESCRIPTION	DATE

PROJECT NORTH:

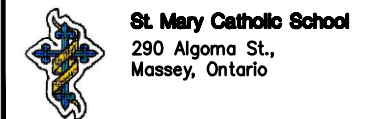


CLIENT:



PROJECT:
**DOMESTIC WATER PIPING
REPLACEMENT, AND MISC.
UPGRADES**

PROJECT LOCATION:



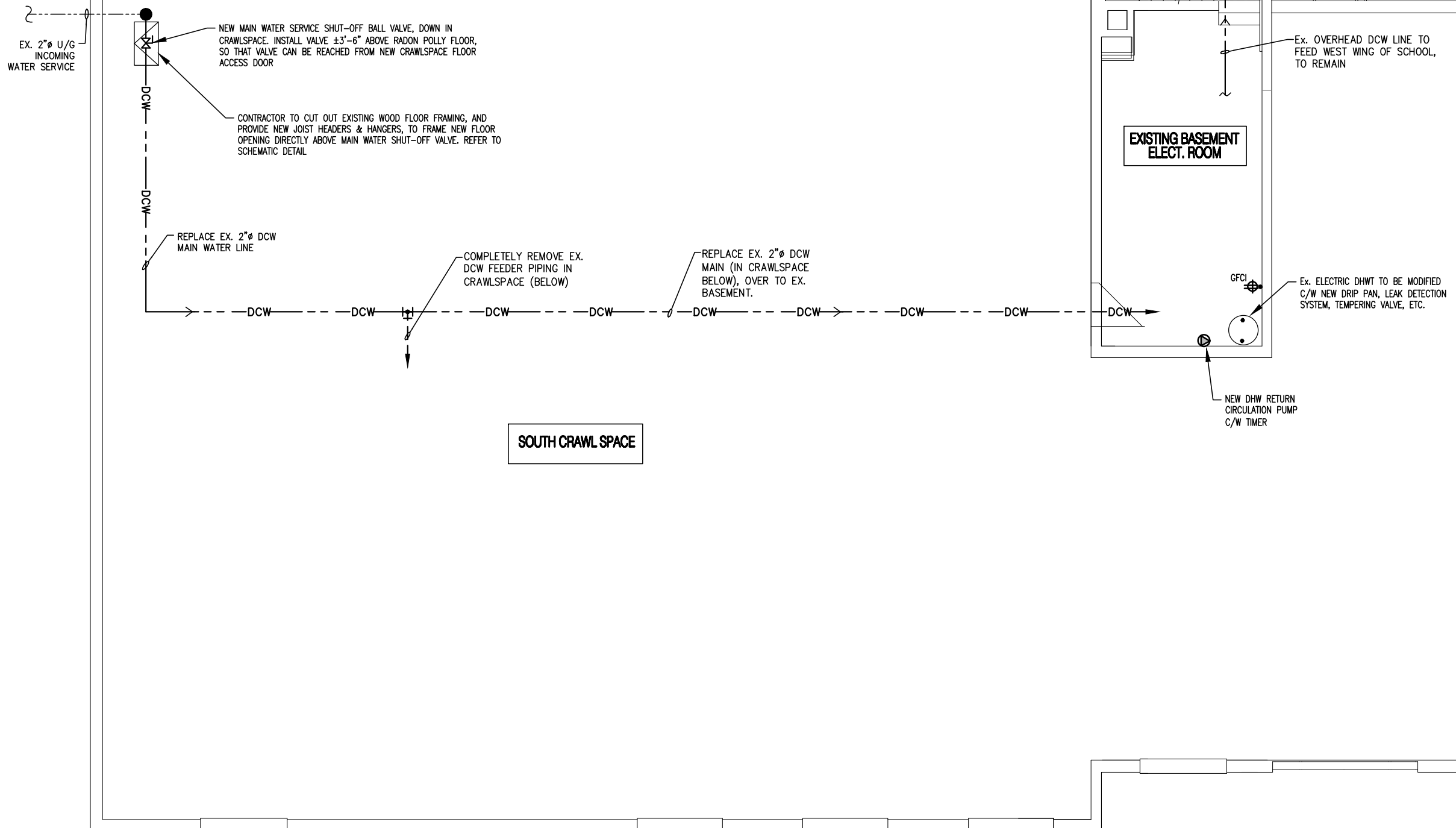
TITLE:

SOUTH/EAST CRAWLSPACE AREA PLUMBING LAYOUT

DRAWN BY: M.S./T.S.	SCALE: 1/8"=1'-0"
PROJECT NO.: P1336	DATE ISSUED: JUN. 2026

DRAWING NUMBER:

MPE1

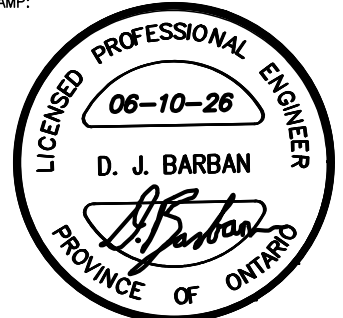




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PROJECT LOCATION:

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290 Algoma St.,
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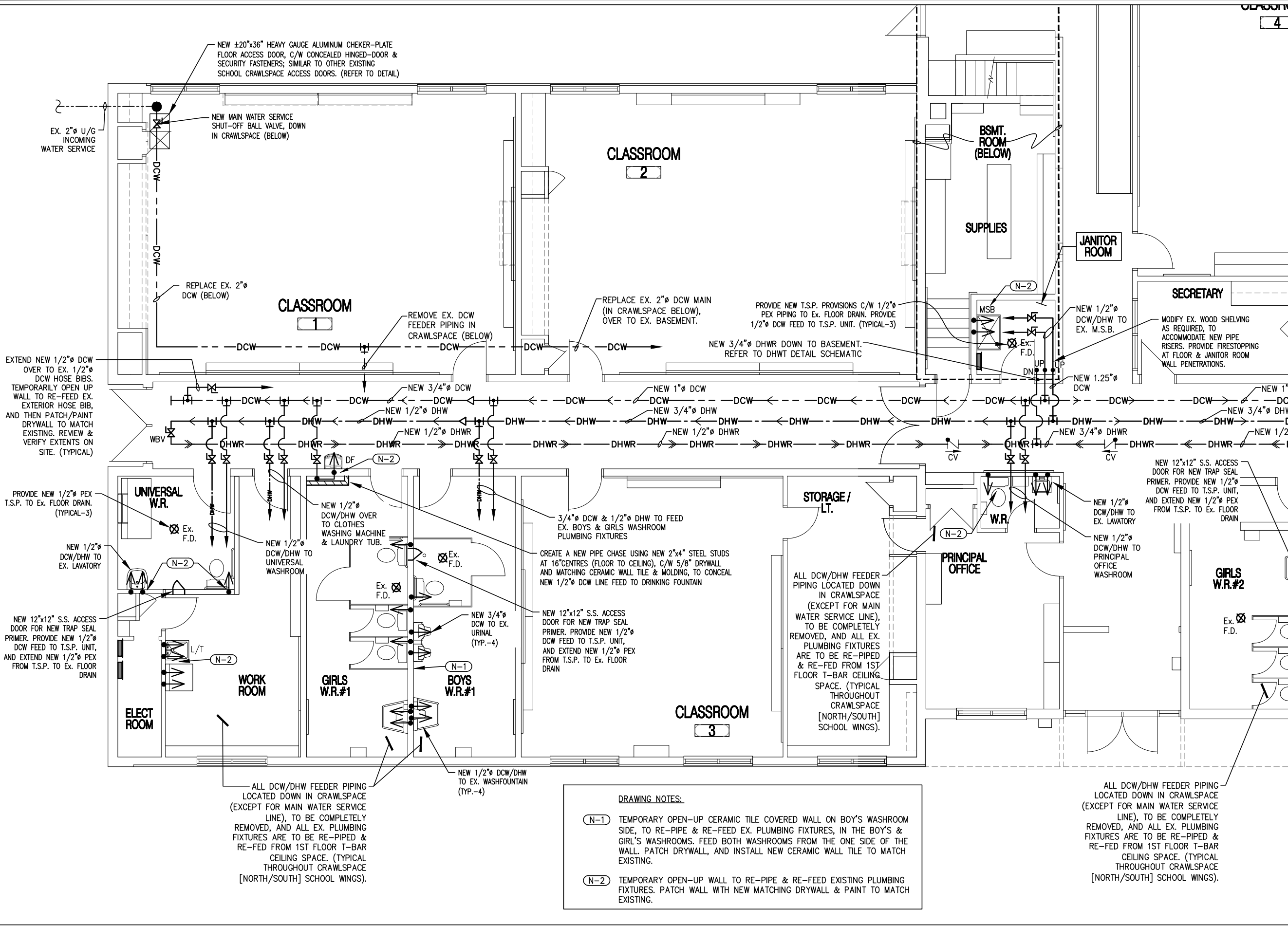
TITLE:

GROUND FLOOR SOUTH/EAST AREA ABOVE CRAWLSPACE PLUMBING LAYOUT

DRAWN BY: M.S./T.S.	SCALE: 1/8"=1'-0"
PROJECT NO.: P1336	DATE ISSUED: JUN. 2026

DRAWING NUMBER:

MPE2



DRAWING NOTES:

(N-1) TEMPORARY OPEN-UP CERAMIC TILE COVERED WALL ON BOY'S WASHROOM SIDE, TO RE-PIPE & RE-FEED EX. PLUMBING FIXTURES, IN THE BOY'S & GIRL'S WASHROOMS. FEED BOTH WASHROOMS FROM THE ONE SIDE OF THE WALL. PATCH DRYWALL, AND INSTALL NEW CERAMIC WALL TILE TO MATCH EXISTING.

(N-2) TEMPORARY OPEN-UP WALL TO RE-PIPE & RE-FEED EXISTING PLUMBING FIXTURES. PATCH WALL WITH NEW MATCHING DRYWALL & PAINT TO MATCH EXISTING.



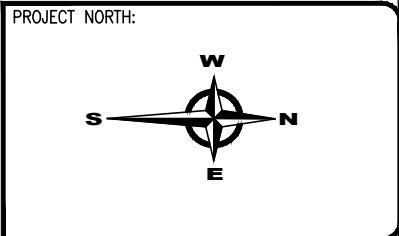
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 Huron-Superior Catholic DISTRICT SCHOOL BOARD

PROJECT:
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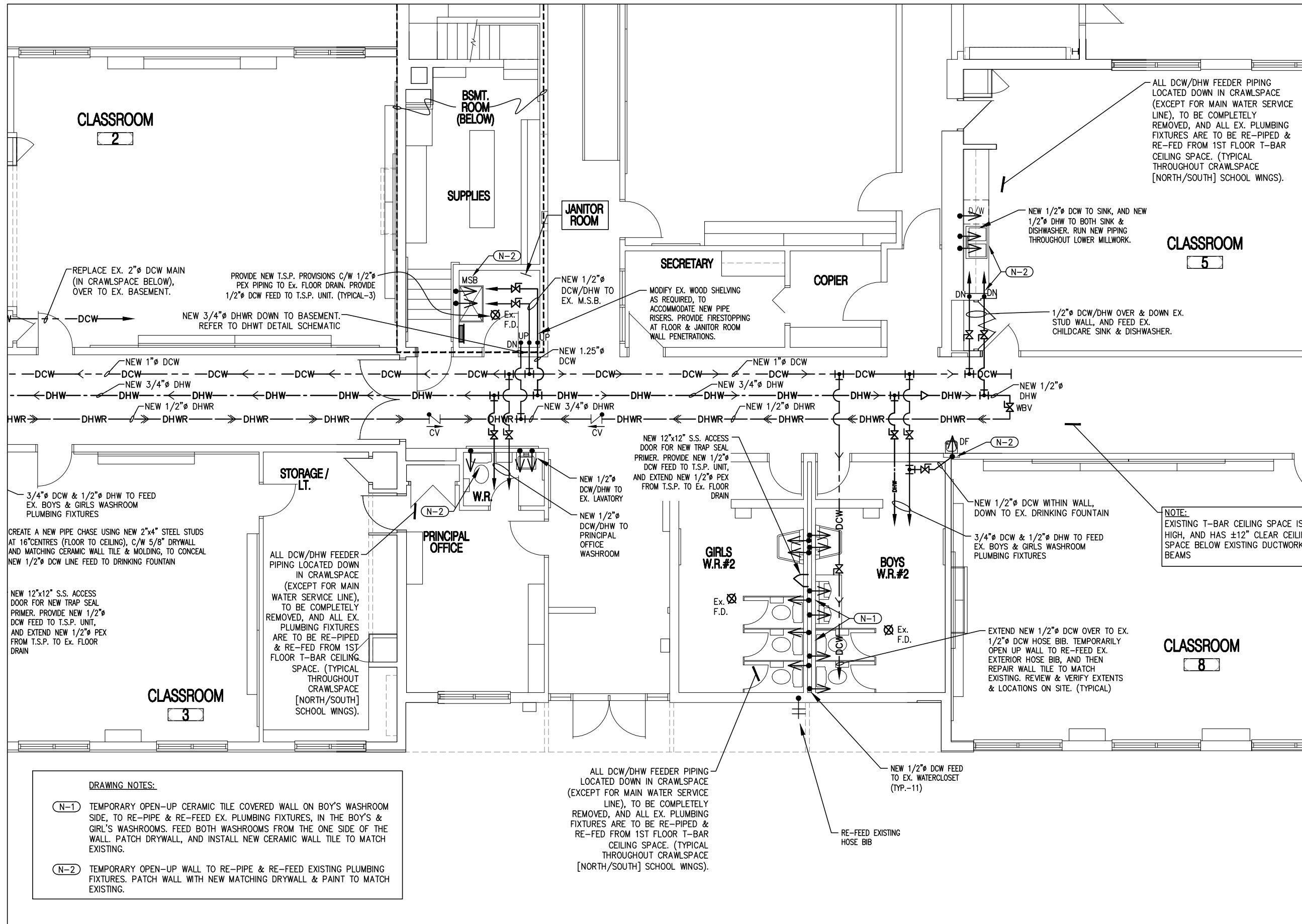
PROJECT LOCATION:
 St. Mary Catholic School
290 Algoma St.,
Massey, Ontario

TITLE: GROUND FLOOR NORTH/EAST AREA ABOVE CRAWLSPACE PLUMBING LAYOUT

DRAWN BY: M.S./T.S.	SCALE: 1/8"=1'-0"
PROJECT NO.: P1336	DATE ISSUED: JUN. 2026

DRAWING NUMBER:

MPE3



ALL DCW/DHW FEEDER PIPING LOCATED DOWN IN CRAWLSPACE (EXCEPT FOR MAIN WATER SERVICE LINE), TO BE COMPLETELY REMOVED, AND ALL EX. PLUMBING FIXTURES ARE TO BE RE-PIPED & RE-FED FROM 1ST FLOOR T-BAR CEILING SPACE. (TYPICAL THROUGHOUT CRAWLSPACE [NORTH/SOUTH] SCHOOL WINGS).

NEW 1/2" DCW TO SINK, AND NEW 1/2" DHW TO BOTH SINK & DISHWASHER. RUN NEW PIPING THROUGHOUT LOWER MILLWORK.

1/2" DCW/DHW OVER & DOWN EX. STUD WALL, AND FEED EX. CHILDCARE SINK & DISHWASHER.

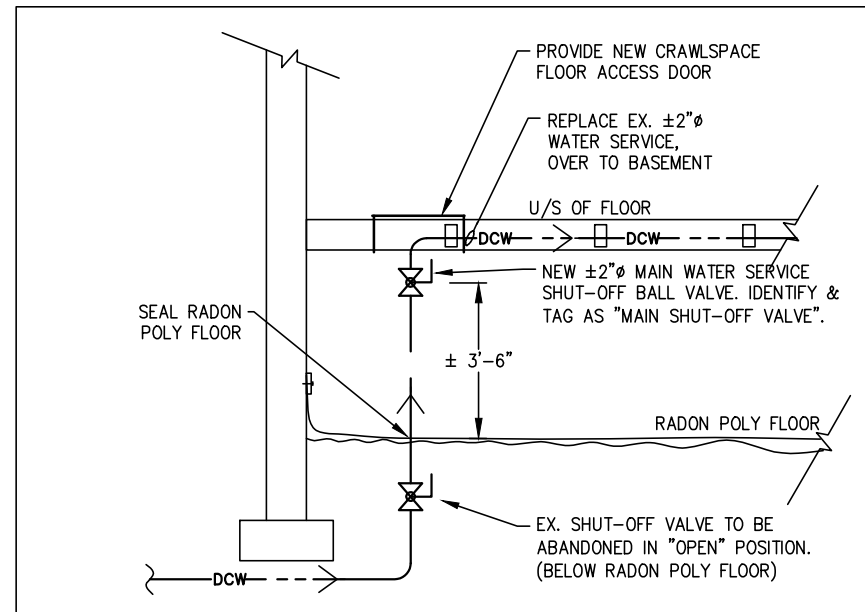
NOTE: EXISTING T-BAR CEILING SPACE IS HIGH, AND HAS ±12" CLEAR CEILING SPACE BELOW EXISTING DUCTWORK BEAMS

EXTEND NEW 1/2" DCW OVER TO EX. 1/2" DCW HOSE BIB. TEMPORARILY OPEN UP WALL TO RE-FEED EX. EXTERIOR HOSE BIB, AND THEN REPAIR WALL TILE TO MATCH EXISTING. REVIEW & VERIFY EXTENTS & LOCATIONS ON SITE. (TYPICAL)

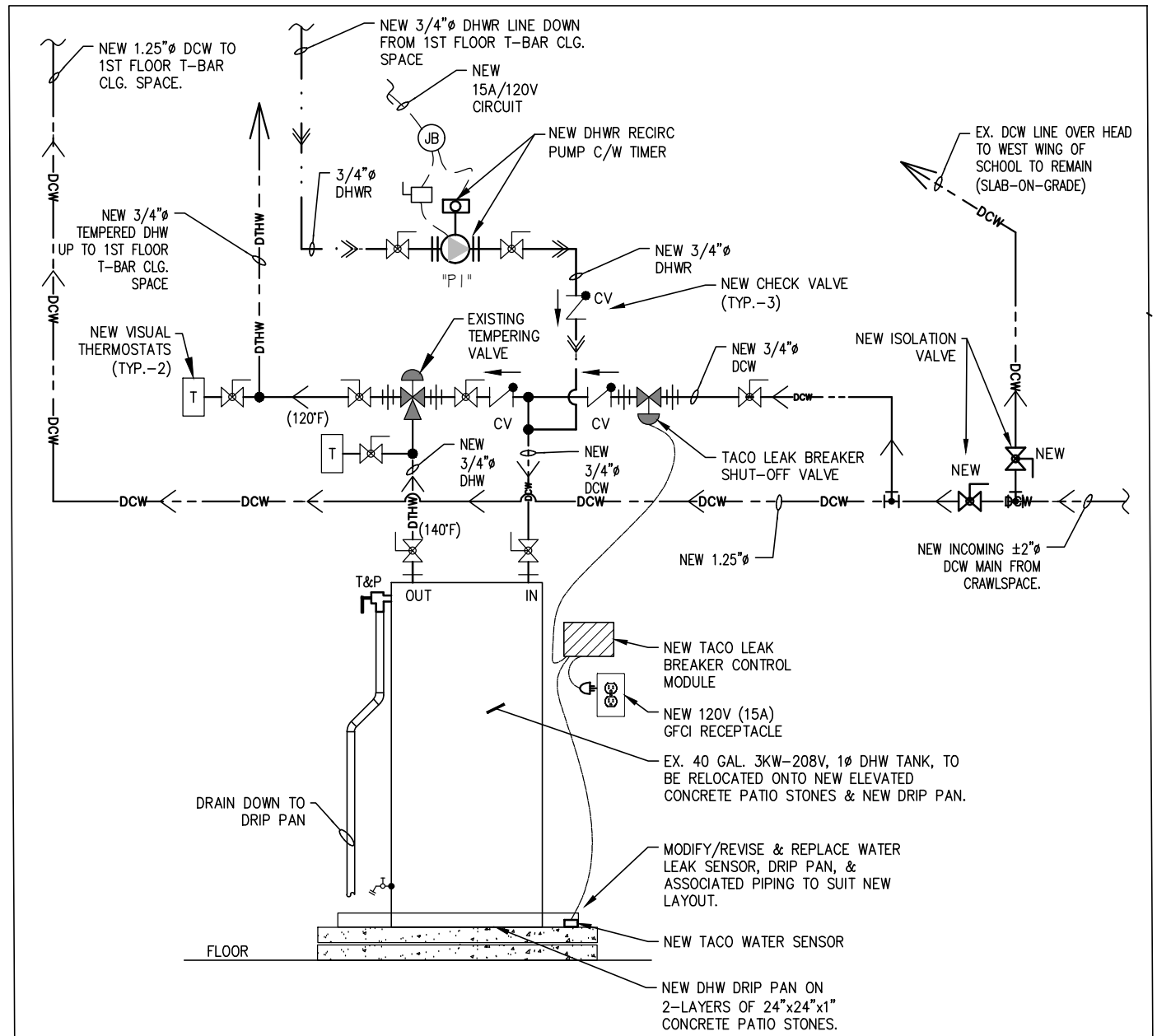
ALL DCW/DHW FEEDER PIPING LOCATED DOWN IN CRAWLSPACE (EXCEPT FOR MAIN WATER SERVICE LINE), TO BE COMPLETELY REMOVED, AND ALL EX. PLUMBING FIXTURES ARE TO BE RE-PIPED & RE-FED FROM 1ST FLOOR T-BAR CEILING SPACE. (TYPICAL THROUGHOUT CRAWLSPACE [NORTH/SOUTH] SCHOOL WINGS).

- DRAWING NOTES:**
- (N-1) TEMPORARY OPEN-UP CERAMIC TILE COVERED WALL ON BOY'S WASHROOM SIDE, TO RE-PIPE & RE-FEED EX. PLUMBING FIXTURES, IN THE BOY'S & GIRL'S WASHROOMS. FEED BOTH WASHROOMS FROM THE ONE SIDE OF THE WALL. PATCH DRYWALL, AND INSTALL NEW CERAMIC WALL TILE TO MATCH EXISTING.
 - (N-2) TEMPORARY OPEN-UP WALL TO RE-PIPE & RE-FEED EXISTING PLUMBING FIXTURES. PATCH WALL WITH NEW MATCHING DRYWALL & PAINT TO MATCH EXISTING.

PLUMBING & PIPING SYMBOLS LIST			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	PIPE UNION		PIPE SIZE TRANSITION
	PUMP		CHECK VALVE
	DRAIN DOWN		DOMESTIC COLD WATER LINE
	HAND VALVE		DOMESTIC TEMPERED HOT WATER LINE
	VISUAL WATER THERMOMETER		DOMESTIC HOT WATER RETURN LINE
	3-WAY CONTROL/MIXING VALVE		HOT & COLD WATER FEEDS C/W SHUT-OFF VALVES
EX	EXISTING DEVICE TO REMAIN AS IS	Re	EXISTING DEVICE TO BE RELOCATED
R	REMOVE EXISTING DEVICE	Er	EXISTING DEVICE IN IT'S RELOCATED POSITION
Rp	REPLACE EXISTING DEVICE WITH NEW		



2 EXISTING/REVISED INCOMING WATER LINE
SCALE: N.T.S.



- NOTES:**
1. MODIFY & UPGRADE EX. DHWT SYSTEM AND THERMALLY INSULATED PIPING, TO SUIT NEW SCHEMATIC LAYOUT.
 2. INSTALL NEW FIRST FLOOR DOMESTIC PIPE RISERS (DCW, DHW, DHWR) IN THE N.E. CORNER OF THE EX. JANITOR ROOM. MODIFY EX. WOOD SHELVING AS REQUIRED, AND PROVIDE FIRESTOPPING AT PENETRATIONS.
 3. ALL MODIFIED & NEW DOMESTIC WATER PIPING TO BE THERMALLY INSULATED/WRAPPED & LABELLED.
 4. ALL EXPOSED THERMALLY INSULATED DOMESTIC WATER PIPING, SHALL BE PROTECTED WITH WHITE PVC VINYL JACKETING.
 5. NEW DHWR PUMP (P1) = POTABLE STAINLESS STEEL CASING, 3/4" Ø FLANGED CONNECTION, 1/25 HP, 120V, UP TO 15 GPM @ 15FT HEAD. (SIMILAR TO: TACO ~ SMARTPLUS#008-IQSF6; OR EQUIVALENT)

1 EXISTING/REVISED DOMESTIC HOT WATER TANK SCHEMATIC
SCALE: N.T.S.

NME
NOR MECH ENGINEERING
1141 Old Garden River Road
Sault Ste. Marie, Ontario P6A 6J8

STAMP:
LICENSED PROFESSIONAL ENGINEER
06-10-26
D. J. BARBAN
PROVINCE OF ONTARIO

REV.	DESCRIPTION	DATE

PROJECT NORTH:

CLIENT:
Huron-Superior Catholic DISTRICT SCHOOL BOARD

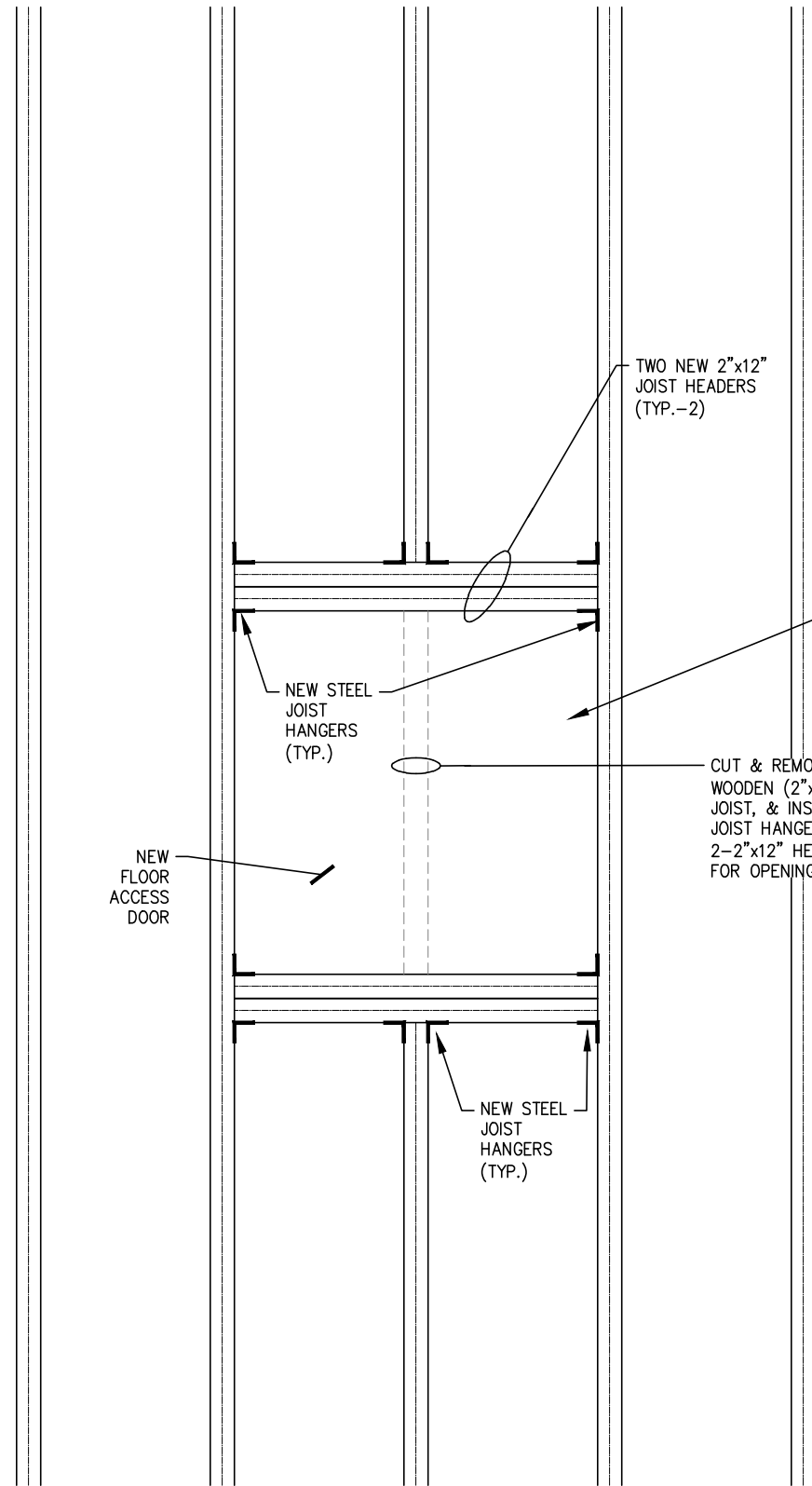
PROJECT:
DOMESTIC WATER PIPING REPLACEMENT, AND MISC. UPGRADES

PROJECT LOCATION:
St. Mary Catholic School
290 Algoma St.,
Massey, Ontario

TITLE:
DOMESTIC HOT WATER TANK SCHEMATIC & SYMBOLS LIST

DRAWN BY: M.S./T.S.	SCALE: N.T.S.
PROJECT NO.: P1336	DATE ISSUED: JUN. 2026

DRAWING NUMBER:
MPE4



SAMPLE ~ EXISTING SCHOOL FLOOR ACCESS DOOR

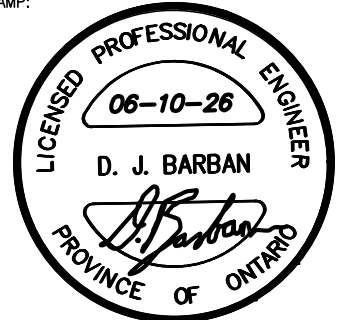
1 CRAWLSPACE FLOOR ACCESS DOOR - SCHEMATIC DETAIL
SCALE: N.T.S.



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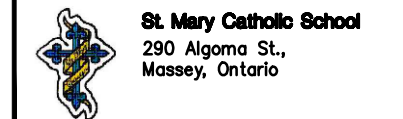
CLIENT:



PROJECT:

**DOMESTIC WATER PIPING
REPLACEMENT, AND MISC.
UPGRADES**

PROJECT LOCATION:



TITLE:

**FLOOR ACCESS DOOR -
SCHEMATIC DETAIL**

DRAWN BY: M.S./T.S.	SCALE: N.T.S.
PROJECT NO.: P1336	DATE ISSUED: JUN. 2026

DRAWING NUMBER:

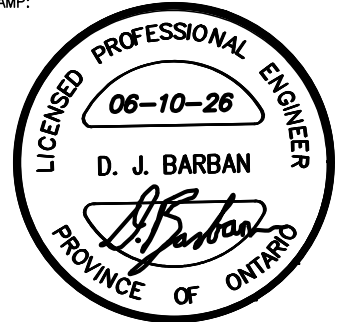
MPE5



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ENGINEERING**

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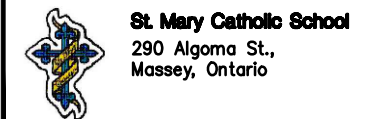


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PROJECT LOCATION:



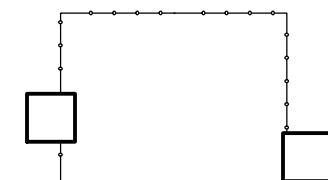
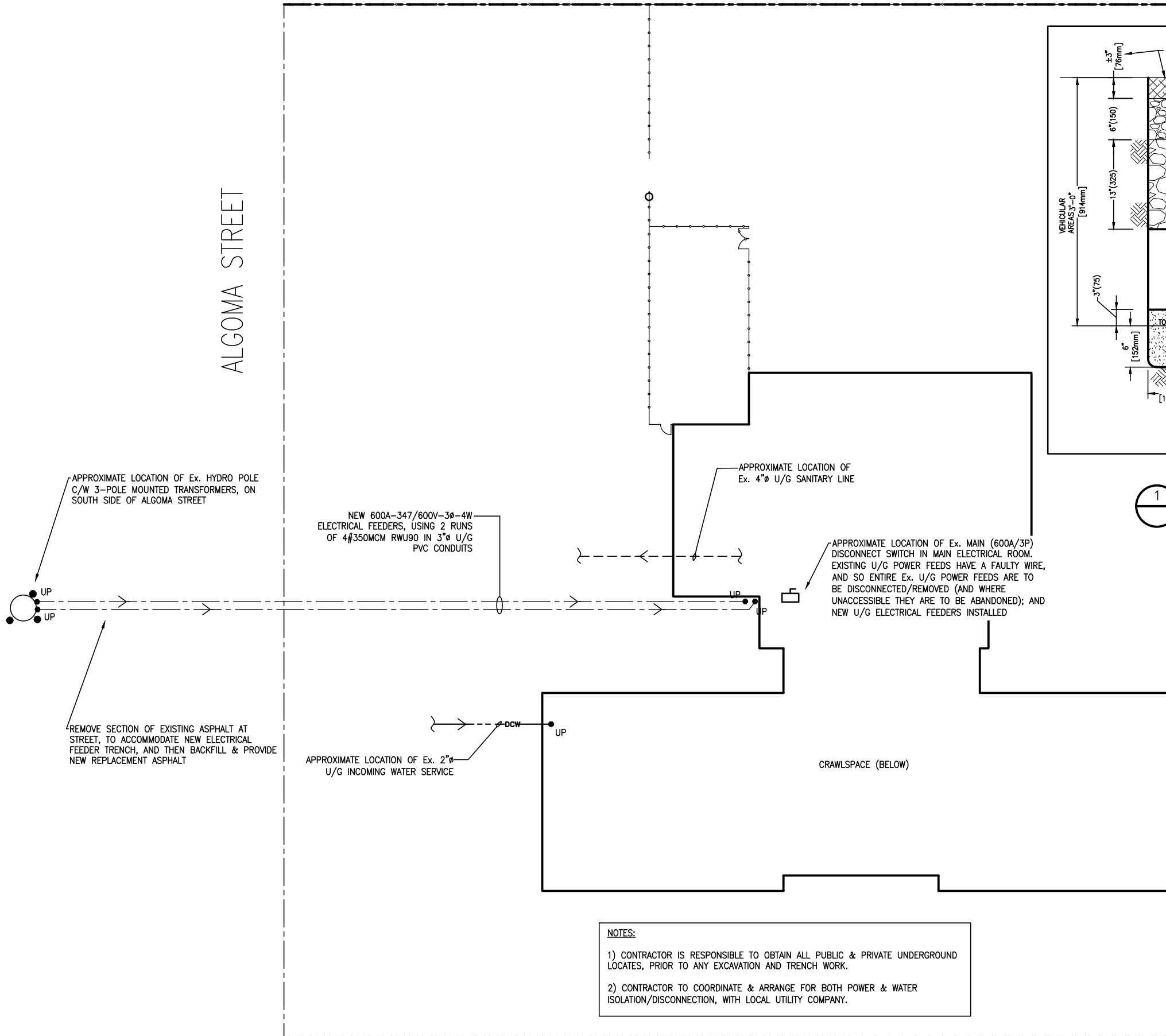
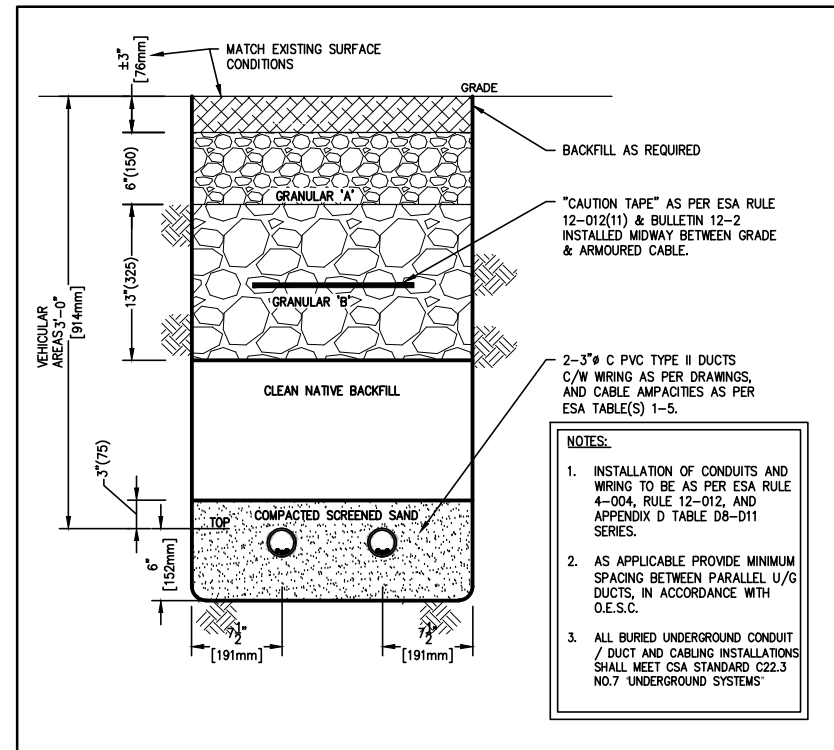
TITLE:

**SITE PLAN -
NEW/REVISED
ELECTRICAL LAYOUT &
TRENCH DETAIL**

DRAWN BY: M.S./T.S.	SCALE: 1/8"=1'-0"
PROJECT NO.: P1336	DATE ISSUED: JUN. 2026

DRAWING NUMBER:

MPE6

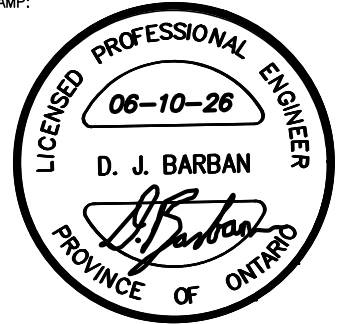




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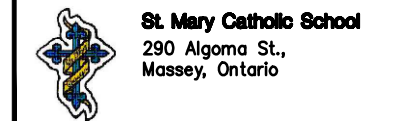
CLIENT:



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UPGRADES**

PROJECT LOCATION:



TITLE:

SITE PHOTOS

DRAWN BY:
M.S./T.S.

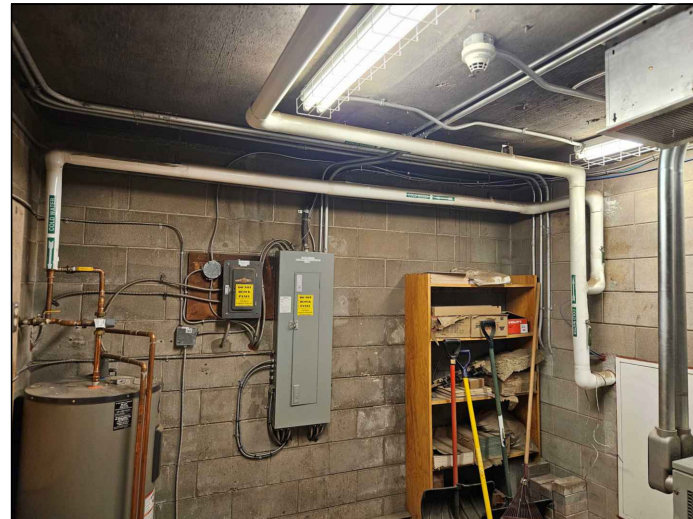
SCALE:
N.T.S.

PROJECT NO.:
P1336

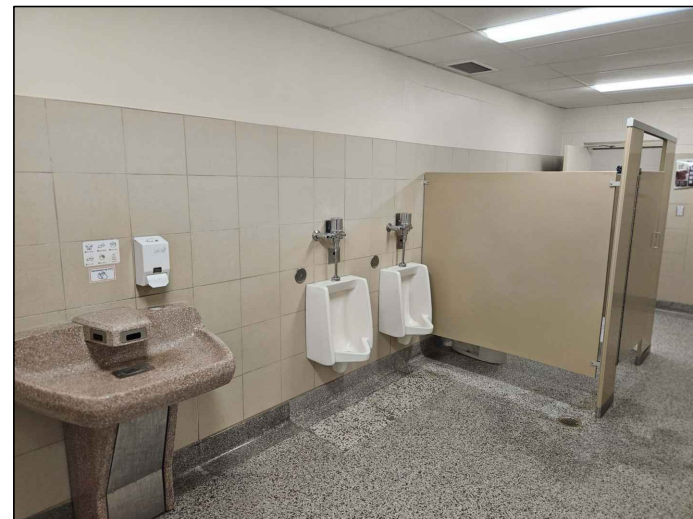
DATE ISSUED:
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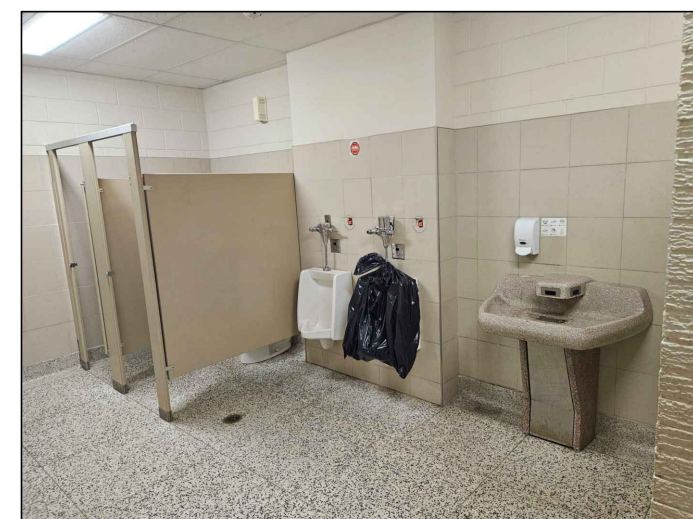
MPE7



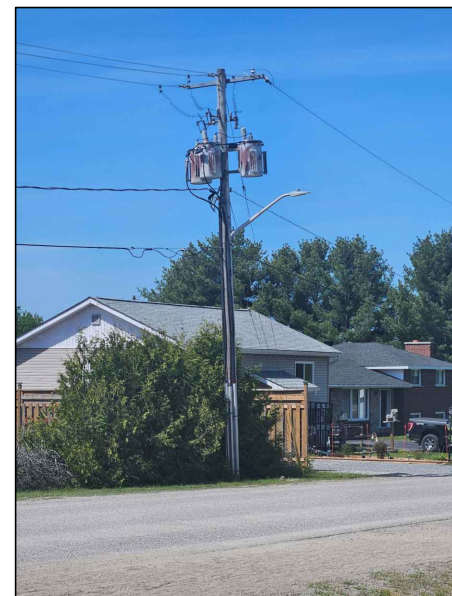
BASEMENT ELECTRICAL ROOM



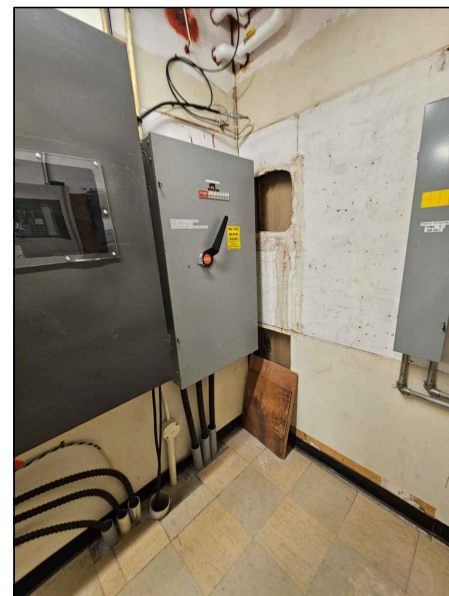
BOYS WASHROOM#1



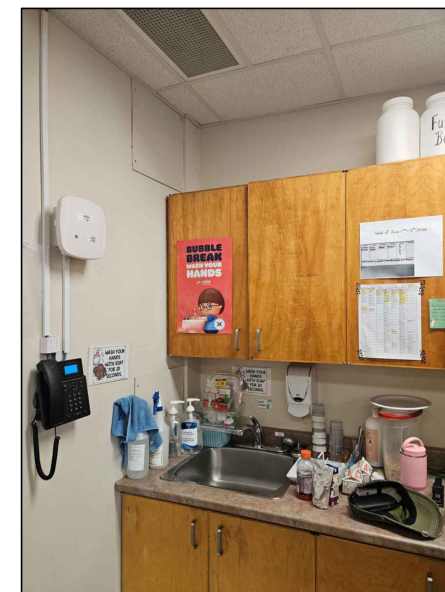
BOYS WASHROOM#2



EXISTING INCOMING POWER FROM ALGOMA ST.



MAIN 600A-3P DISCONNECT SWITCH



N.E. CORNER OF CHILDCARE CLASSROOM - MILLWORK