BRITISH COLUMBIA

Ministry of Transportation and Infrastructure

PROJECT NO. 38320-0000

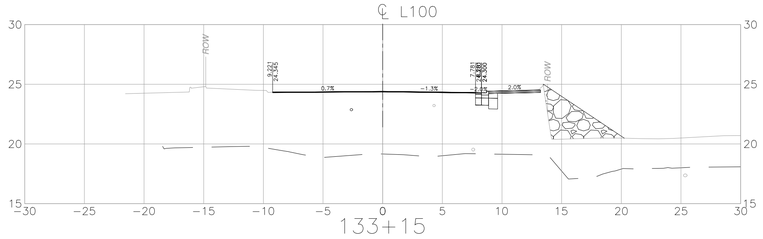
# HIGHWAY No. 16 - McBRIDE STREET AND 2ND AVENUE INTERSECTION IMPROVEMENTS

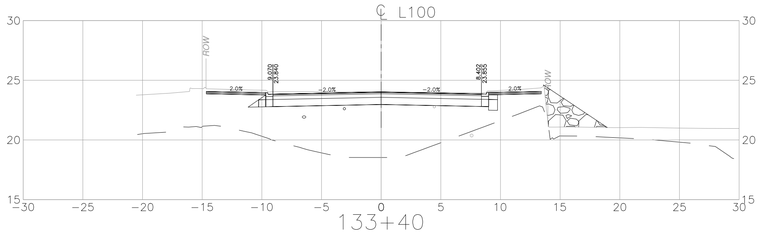
# CROSS SECTIONS

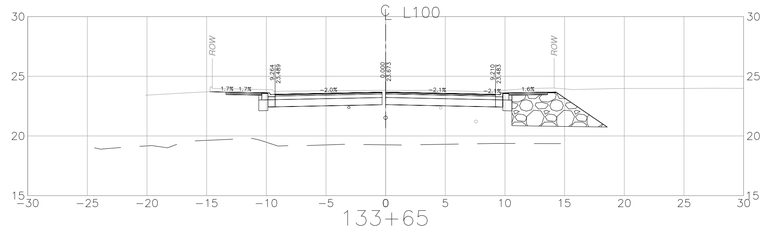
FOR REFERENCE ONLY

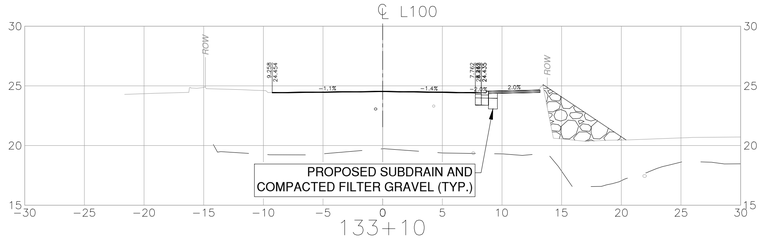
McElhanney

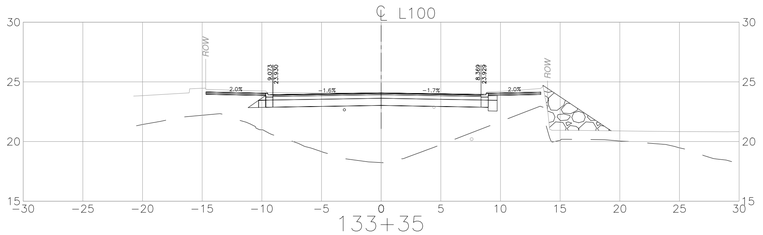
PLOT DATE: 2024/05/31 X:\2121\2121-00606-01 MoTI-Hwy16 Detailed Design Services\10.0 DRAWINGS\10.3 Engineering\Hwy16McBride\DrawingProduction\1000_DesignSections\NR-0401-1000.dwg

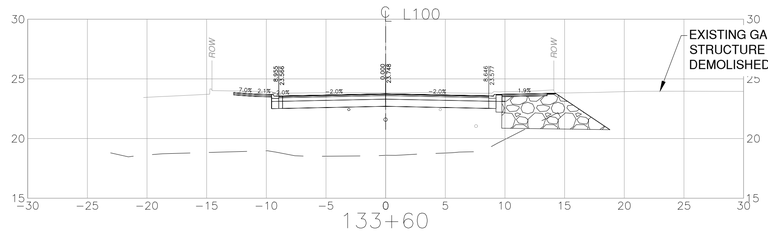


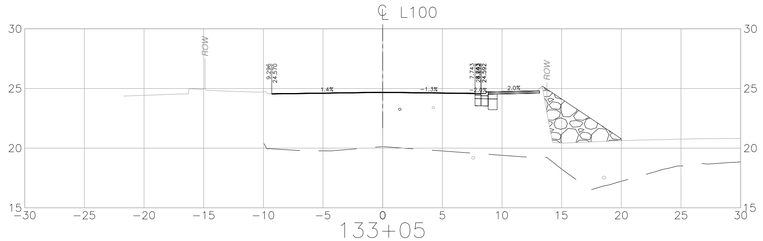



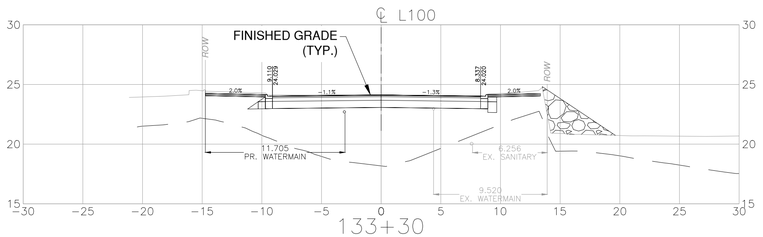



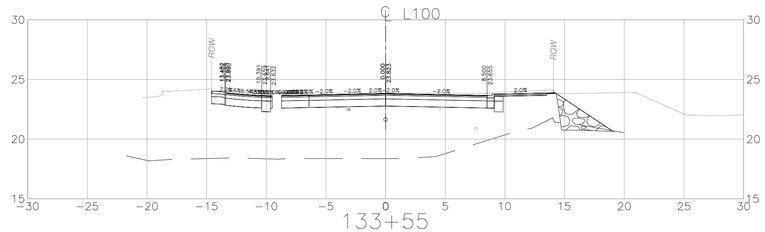



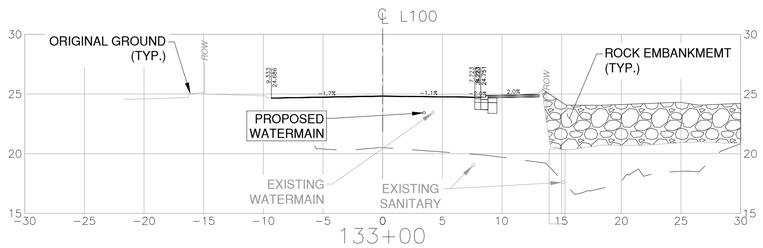



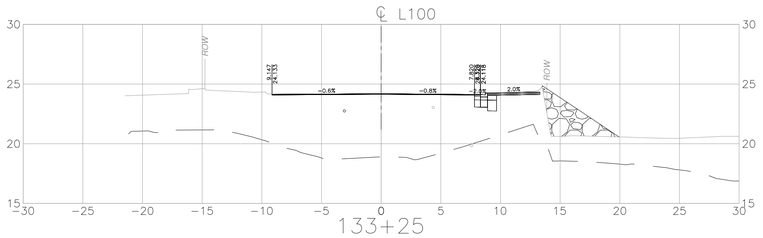



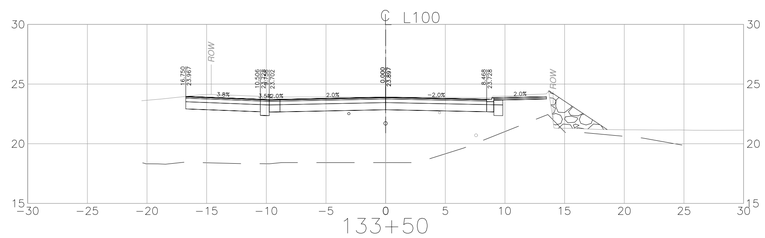



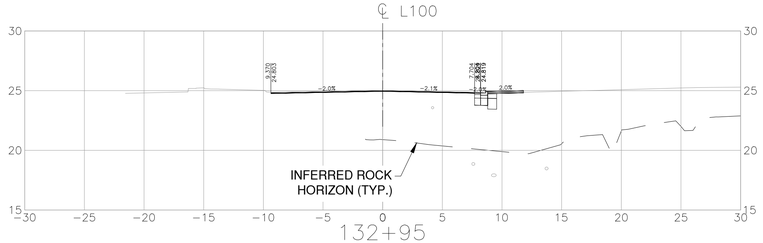



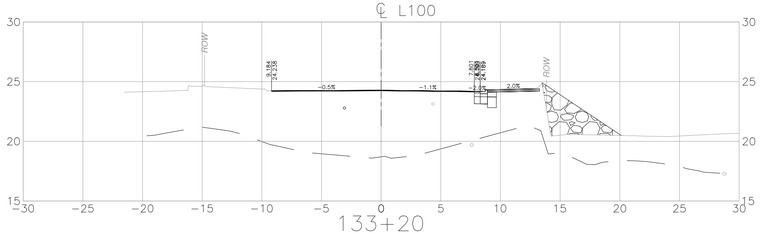



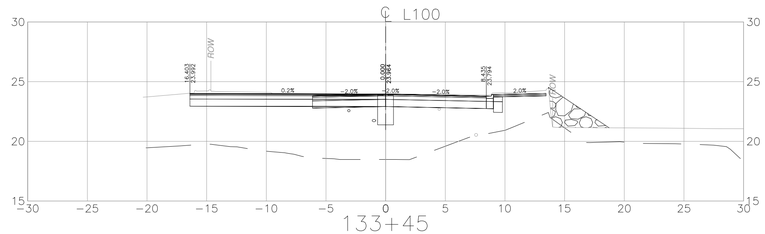




THIS DRAWING AND DESIGN IS THE PROPERTY OF McELHANNEY AND SHALL NOT BE USED, REUSED OR REPRODUCED WITHOUT THE CONSENT OF McELHANNEY. McELHANNEY WILL NOT BE HELD RESPONSIBLE FOR THE IMPROPER OR UNAUTHORIZED USE OF THIS DRAWING AND DESIGN.

THIS DRAWING AND DESIGN HAS BEEN PREPARED FOR THE CLIENT IDENTIFIED, TO MEET THE STANDARDS AND REQUIREMENTS OF THE APPLICABLE PUBLIC AGENCIES AT THE TIME OF PREPARATION. McELHANNEY, ITS EMPLOYEES, SUBCONSULTANTS AND AGENTS WILL NOT BE LIABLE FOR ANY LOSSES OR OTHER CONSEQUENCES RESULTING FROM THE USE OR RELIANCE UPON, OR ANY CHANGES MADE TO, THIS DRAWING, BY ANY THIRD PARTY, INCLUDING CONTRACTORS, SUPPLIERS, CONSULTANTS AND STAKEHOLDERS, OR THEIR EMPLOYEES OR AGENTS, WITHOUT McELHANNEY'S PRIOR WRITTEN CONSENT.

INFORMATION ON EXISTING UNDERGROUND FACILITIES MAY NOT BE COMPLETE OR ACCURATE. McELHANNEY, ITS EMPLOYEES AND DIRECTORS ARE NOT RESPONSIBLE NOR LIABLE FOR THE LOCATION OF ANY UNDERGROUND CONDUITS, PIPES, CABLES OR OTHER FACILITIES WHETHER SHOWN OR OMITTED FROM THIS PLAN. PRIOR TO CONSTRUCTION CONTRACTOR SHALL EXPOSE LOCATIONS OF ALL EXISTING FACILITIES BY HAND DIGGING OR HYDROVAC AND ADVISE THE ENGINEER OF POTENTIAL CONFLICTS.

FOR REFERENCE ONLY

McElhanney
Suite 200
858 Beatty Street
Vancouver BC
Canada V6B 1C1
Tel 604 683 8521

SCALE 0 2 1:250 12m

CAD FILENAME NR-0401-1000
FILE NUMBER 2121-00606-01
PLOT DATE 5/31/2024

| REV | DATE | REVISIONS | NAME |
|---|---|---|---|
| | | | |

BRITISH COLUMBIA
MINISTRY OF TRANSPORTATION AND INFRASTRUCTURE
NORTHERN REGION
HIGHWAY ENGINEERING AND GEOMATICS

# CROSS SECTIONS

## HIGHWAY No. 16 - McBRIDE STREET AND 2ND AVENUE INTERSECTION IMPROVEMENTS

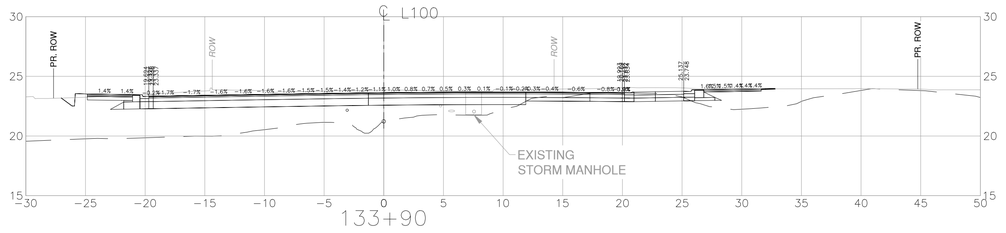
L100 - STA. 132+95.000 TO 133+65.000

DESIGNED R. HALPIN DATE 2024-05-31
QUALITY CONTROL T. McKENZIE DATE 2024-05-31
QUALITY ASSURANCE J. PINTO DATE 2024-05-31
DRAWN R. LIN DATE 2024-05-31

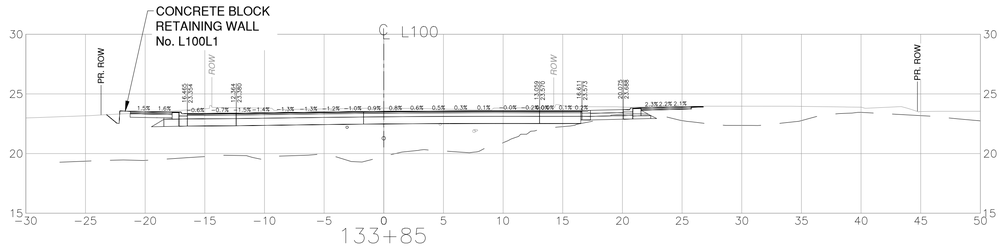
##########
PROFESSIONAL OF RECORD
EGBC PERMIT TO PRACTICE 1003299
DATE 2024-05-31

| PROJECT NUMBER | REG | DRAWING NUMBER | REV |
|---|---|---|---|
| 38320-0000 | 3 | NR-0401-1001 | |

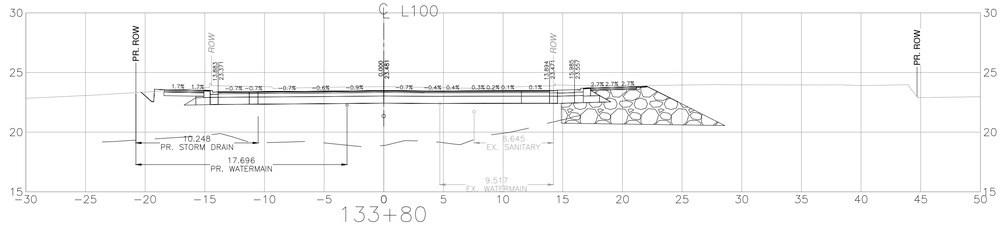
PLOT DATE: 2024/05/31 X:\2121\2121-00606-01 MoTI-Hwy16 Detailed Design Services\10.0 DRAWINGS\10.3 Engineering\Hwy16McBride\DrawingProduction\1000_DesignSections\NR-0401-1000.dwg



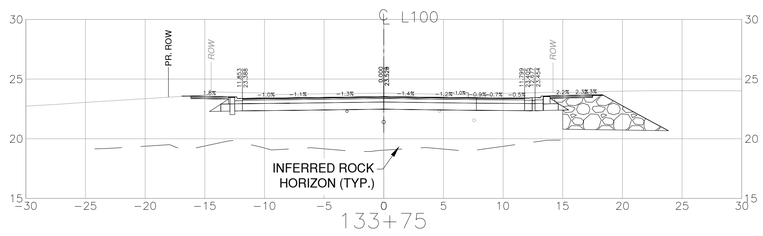

133+90



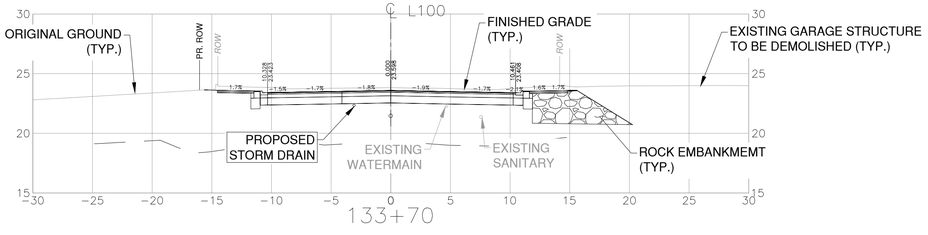

133+85



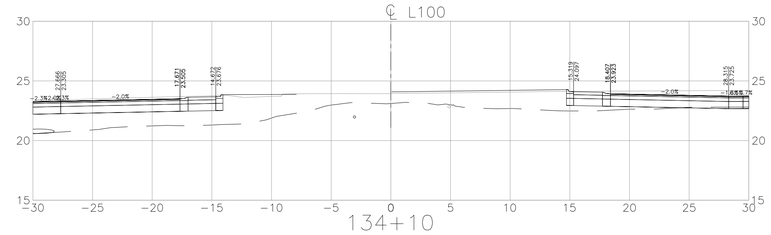

133+80



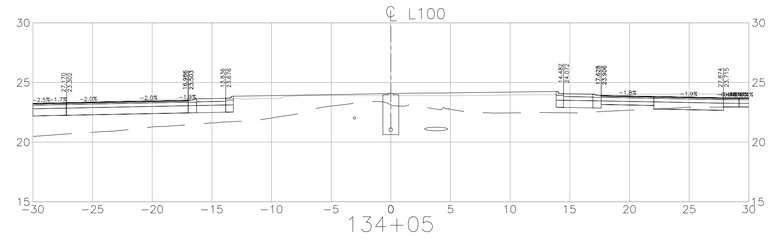

133+75



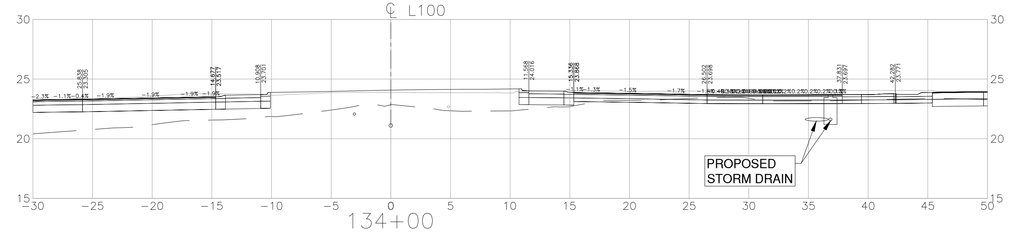

133+70



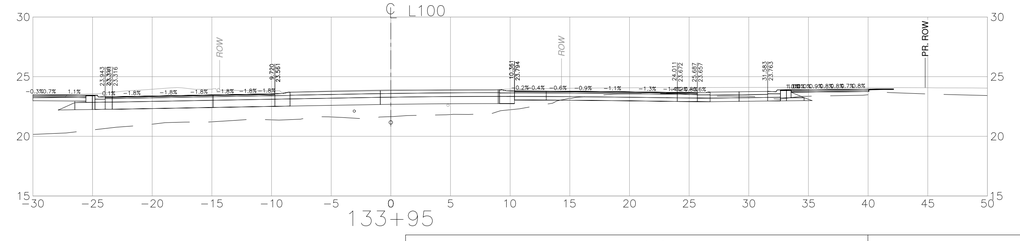

134+10




134+05




134+00




133+95

THIS DRAWING AND DESIGN IS THE PROPERTY OF McELHANNEY AND SHALL NOT BE USED, REUSED OR REPRODUCED WITHOUT THE CONSENT OF McELHANNEY. McELHANNEY WILL NOT BE HELD RESPONSIBLE FOR THE IMPROPER OR UNAUTHORIZED USE OF THIS DRAWING AND DESIGN.

THIS DRAWING AND DESIGN HAS BEEN PREPARED FOR THE CLIENT IDENTIFIED, TO MEET THE STANDARDS AND REQUIREMENTS OF THE APPLICABLE PUBLIC AGENCIES AT THE TIME OF PREPARATION. McELHANNEY, ITS EMPLOYEES, SUBCONSULTANTS AND AGENTS WILL NOT BE LIABLE FOR ANY LOSSES OR OTHER CONSEQUENCES RESULTING FROM THE USE OR RELIANCE UPON, OR ANY CHANGES MADE TO, THIS DRAWING, BY ANY THIRD PARTY, INCLUDING CONTRACTORS, SUPPLIERS, CONSULTANTS AND STAKEHOLDERS, OR THEIR EMPLOYEES OR AGENTS, WITHOUT McELHANNEY'S PRIOR WRITTEN CONSENT.

INFORMATION ON EXISTING UNDERGROUND FACILITIES MAY NOT BE COMPLETE OR ACCURATE. McELHANNEY, ITS EMPLOYEES AND DIRECTORS ARE NOT RESPONSIBLE NOR LIABLE FOR THE LOCATION OF ANY UNDERGROUND CONDUITS, PIPES, CABLES OR OTHER FACILITIES WHETHER SHOWN OR OMITTED FROM THIS PLAN. PRIOR TO CONSTRUCTION CONTRACTOR SHALL EXPOSE LOCATIONS OF ALL EXISTING FACILITIES BY HAND DIGGING OR HYDROVAC AND ADVISE THE ENGINEER OF POTENTIAL CONFLICTS.

FOR REFERENCE ONLY

McElhanney
Suite 200
858 Beatty Street
Vancouver BC
Canada V6B 1C1
Tel 604 683 8521

SCALE 0 2 1:250 12m

CAD FILENAME NR-0401-1000
FILE NUMBER 2121-00606-01
PLOT DATE 5/31/2024

| REV | DATE | REVISIONS | NAME |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

BRITISH COLUMBIA
MINISTRY OF TRANSPORTATION AND INFRASTRUCTURE
NORTHERN REGION
HIGHWAY ENGINEERING AND GEOMATICS

# CROSS SECTIONS

## HIGHWAY No. 16 - McBRIDE STREET AND 2ND AVENUE INTERSECTION IMPROVEMENTS

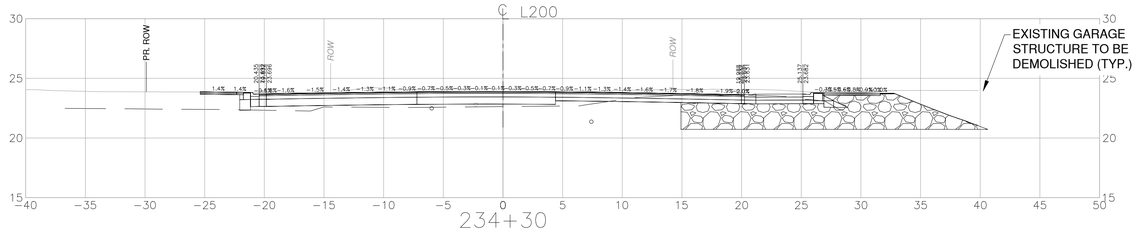
L100 - STA. 133+70.000 TO 134+10.000

DESIGNED R. HALPIN DATE 2024-05-31
QUALITY CONTROL T. McKENZIE DATE 2024-05-31
QUALITY ASSURANCE J. PINTO DATE 2024-05-31
DRAWN R. LIN DATE 2024-05-31

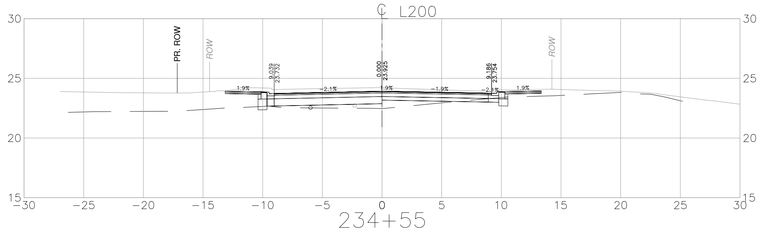
##########
PROFESSIONAL OF RECORD
EGBC PERMIT TO PRACTICE 1003299
DATE 2024-05-31

| PROJECT NUMBER | REG | DRAWING NUMBER | REV |
|---|---|---|---|
| 38320-0000 | 3 | NR-0401-1002 | |

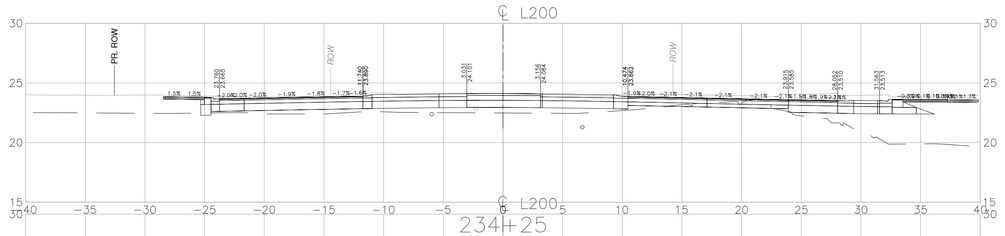
PLOT DATE: 2024/05/31 X:\2121\2121-00606-01 MoTI-Hwy16 Detailed Design Services\10.0 DRAWINGS\10.3 Engineering\Hwy16McBride\DrawingProduction\1000_DesignSections\NR-0401-1000.dwg



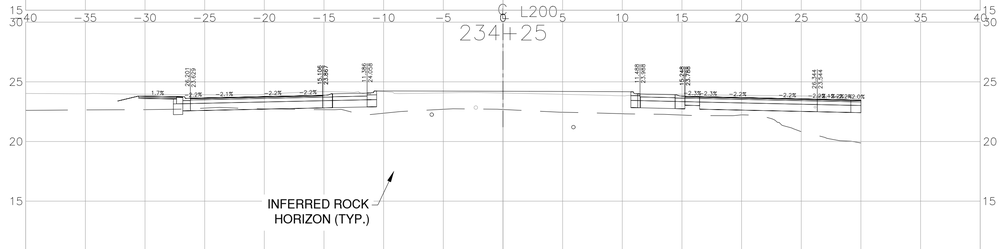

234+30



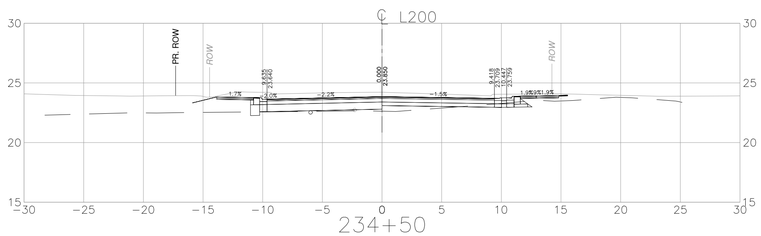

234+55



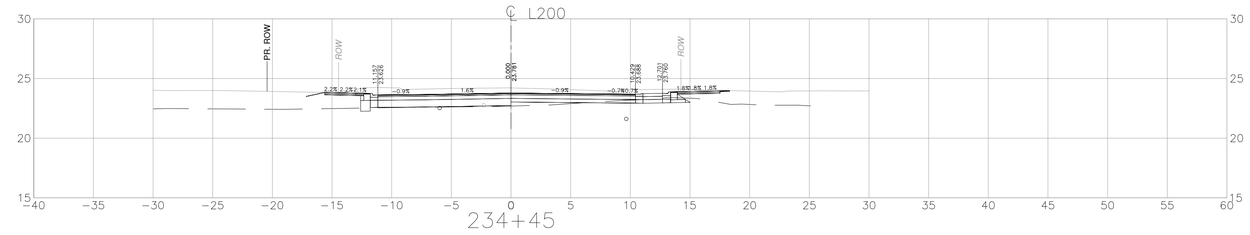

234+25



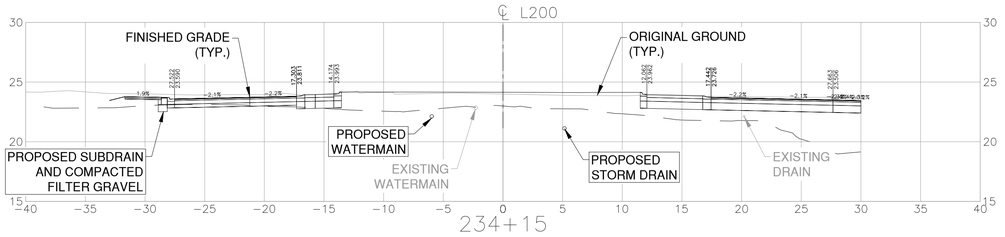

234+20



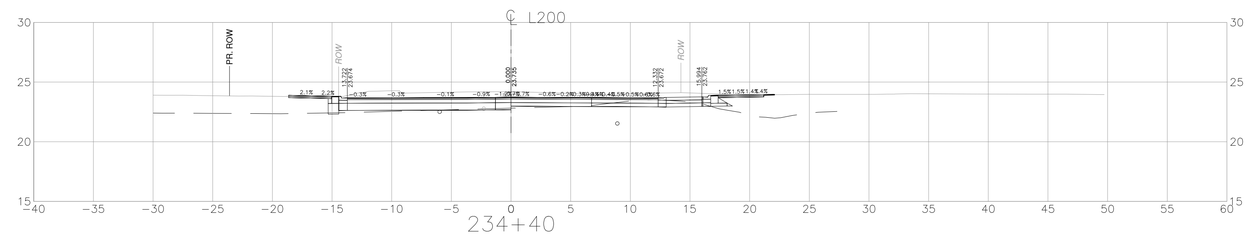

234+50



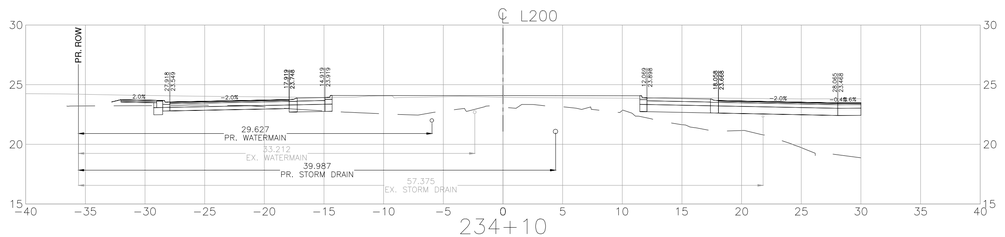

234+45



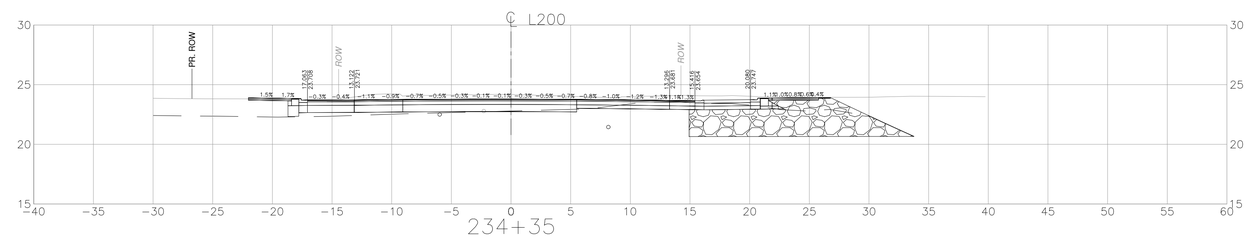

234+15




234+40




234+10




234+35

THIS DRAWING AND DESIGN IS THE PROPERTY OF McELHANNEY AND SHALL NOT BE USED, REUSED OR REPRODUCED WITHOUT THE CONSENT OF McELHANNEY. McELHANNEY WILL NOT BE HELD RESPONSIBLE FOR THE IMPROPER OR UNAUTHORIZED USE OF THIS DRAWING AND DESIGN.

THIS DRAWING AND DESIGN HAS BEEN PREPARED FOR THE CLIENT IDENTIFIED, TO MEET THE STANDARDS AND REQUIREMENTS OF THE APPLICABLE PUBLIC AGENCIES AT THE TIME OF PREPARATION. McELHANNEY, ITS EMPLOYEES, SUBCONSULTANTS AND AGENTS WILL NOT BE LIABLE FOR ANY LOSSES OR OTHER CONSEQUENCES RESULTING FROM THE USE OR RELIANCE UPON, OR ANY CHANGES MADE TO, THIS DRAWING, BY ANY THIRD PARTY, INCLUDING CONTRACTORS, SUPPLIERS, CONSULTANTS AND STAKEHOLDERS, OR THEIR EMPLOYEES OR AGENTS, WITHOUT McELHANNEY'S PRIOR WRITTEN CONSENT.

INFORMATION ON EXISTING UNDERGROUND FACILITIES MAY NOT BE COMPLETE OR ACCURATE. McELHANNEY, ITS EMPLOYEES AND DIRECTORS ARE NOT RESPONSIBLE NOR LIABLE FOR THE LOCATION OF ANY UNDERGROUND CONDUITS, PIPES, CABLES OR OTHER FACILITIES WHETHER SHOWN OR OMITTED FROM THIS PLAN. PRIOR TO CONSTRUCTION CONTRACTOR SHALL EXPOSE LOCATIONS OF ALL EXISTING FACILITIES BY HAND DIGGING OR HYDROVAC AND ADVISE THE ENGINEER OF POTENTIAL CONFLICTS.

FOR REFERENCE ONLY

McElhanney
Suite 200
858 Beatty Street
Vancouver BC
Canada V6B 1C1
Tel 604 683 8521

SCALE 0 2 1:250 12m

CAD FILENAME NR-0401-1000
FILE NUMBER 2121-00606-01
PLOT DATE 5/31/2024

| REV | DATE | REVISIONS | NAME |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

BRITISH COLUMBIA
MINISTRY OF TRANSPORTATION AND INFRASTRUCTURE
NORTHERN REGION
HIGHWAY ENGINEERING AND GEOMATICS

# CROSS SECTIONS

## HIGHWAY No. 16 - McBRIDE STREET AND 2ND AVENUE INTERSECTION IMPROVEMENTS

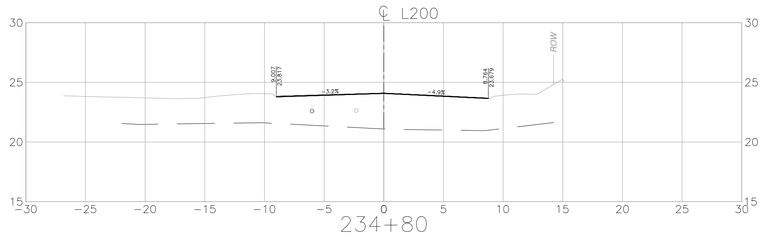
L200 - STA. 234+10.000 TO 234+55.000

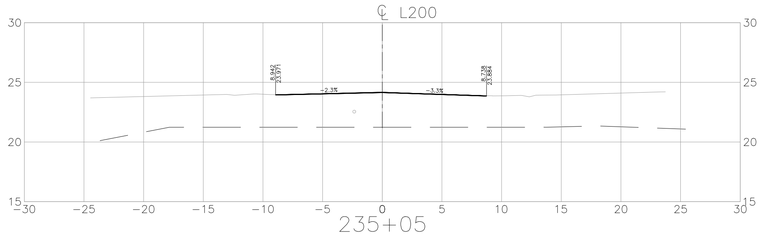
DESIGNED R. HALPIN DATE 2024-05-31
QUALITY CONTROL T. McKENZIE DATE 2024-05-31
QUALITY ASSURANCE J. PINTO DATE 2024-05-31
DRAWN R. LIN DATE 2024-05-31

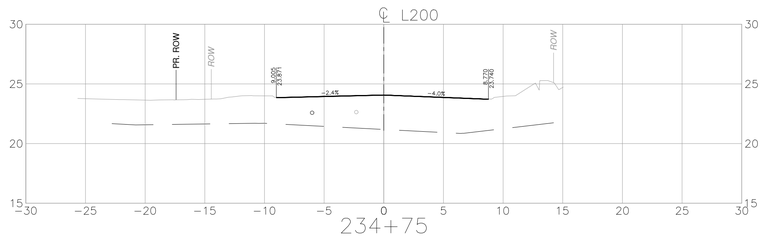
##########
PROFESSIONAL OF RECORD
EGBC PERMIT TO PRACTICE 1003299
DATE 2024-05-31

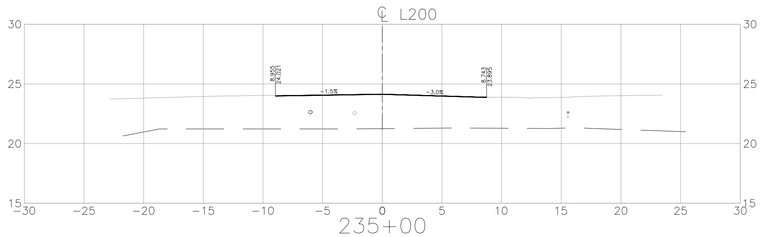
| PROJECT NUMBER | REG | DRAWING NUMBER | REV |
|---|---|---|---|
| 38320-0000 | 3 | NR-0401-1003 | |

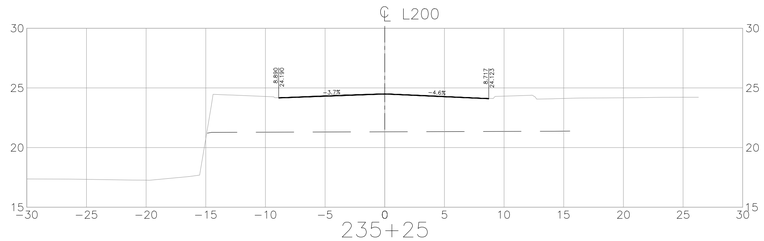
PLOT DATE: 2024/05/31 X:\2121\2121-00606-01 MoTI-Hwy16 Detailed Design Services\10.0 DRAWINGS\10.3 Engineering\Hwy16McBride\DrawingProduction\1000_DesignSections\NR-0401-1000.dwg

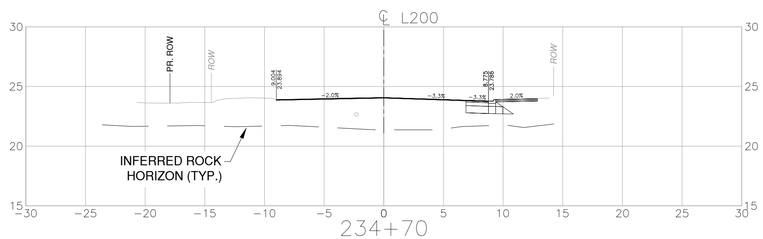


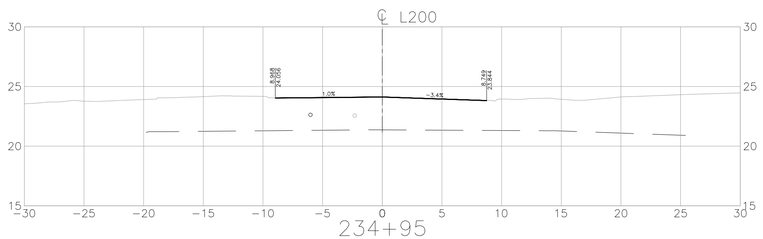



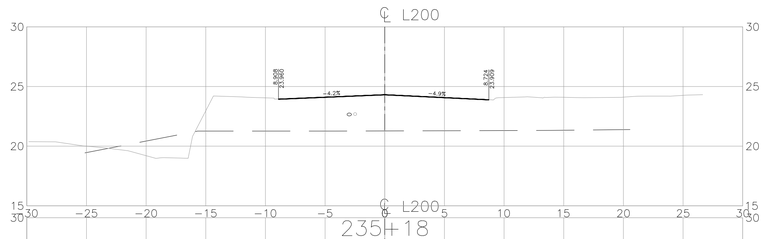



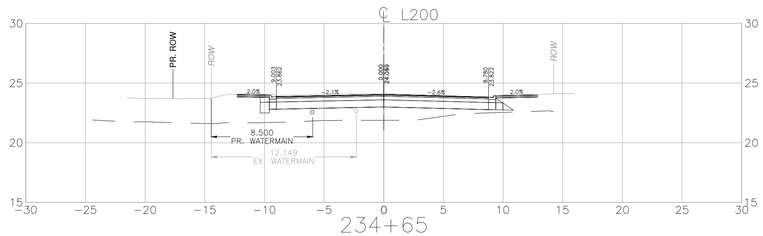



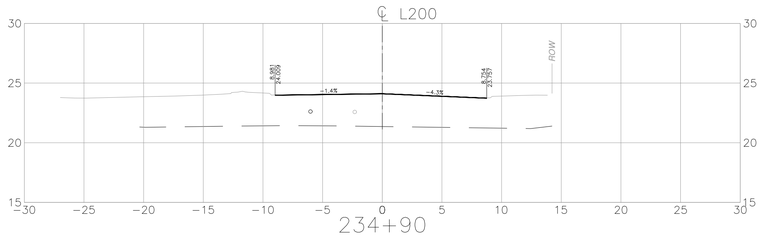



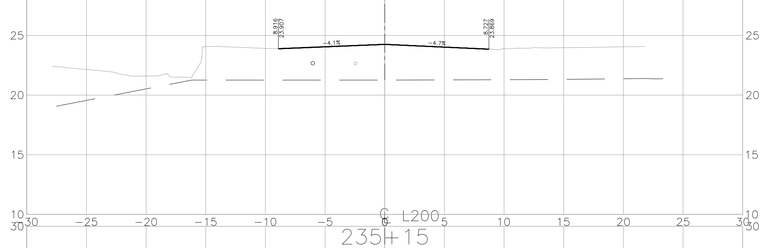



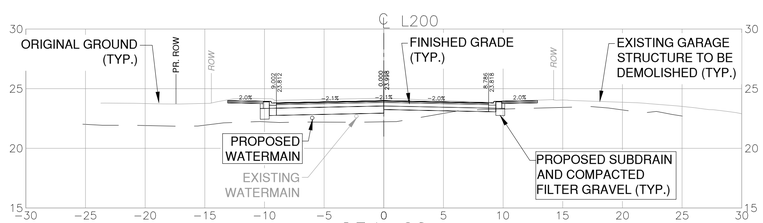



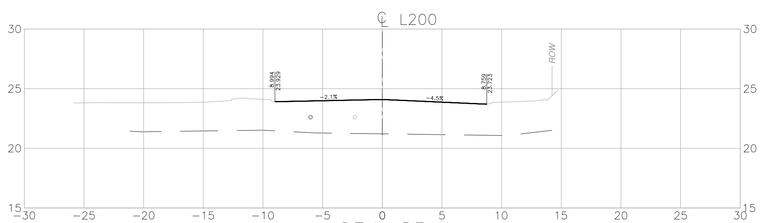



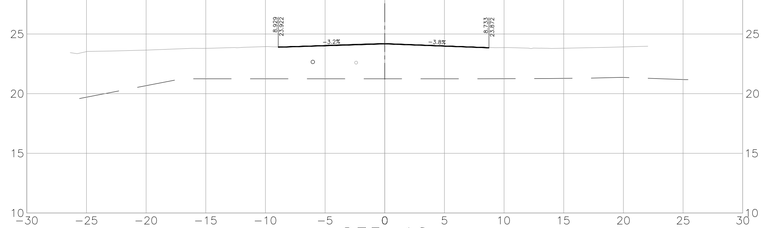




THIS DRAWING AND DESIGN IS THE PROPERTY OF McELHANNEY AND SHALL NOT BE USED, REUSED OR REPRODUCED WITHOUT THE CONSENT OF McELHANNEY. McELHANNEY WILL NOT BE HELD RESPONSIBLE FOR THE IMPROPER OR UNAUTHORIZED USE OF THIS DRAWING AND DESIGN.

THIS DRAWING AND DESIGN HAS BEEN PREPARED FOR THE CLIENT IDENTIFIED, TO MEET THE STANDARDS AND REQUIREMENTS OF THE APPLICABLE PUBLIC AGENCIES AT THE TIME OF PREPARATION. McELHANNEY, ITS EMPLOYEES, SUBCONSULTANTS AND AGENTS WILL NOT BE LIABLE FOR ANY LOSSES OR OTHER CONSEQUENCES RESULTING FROM THE USE OR RELIANCE UPON, OR ANY CHANGES MADE TO, THIS DRAWING, BY ANY THIRD PARTY, INCLUDING CONTRACTORS, SUPPLIERS, CONSULTANTS AND STAKEHOLDERS, OR THEIR EMPLOYEES OR AGENTS, WITHOUT McELHANNEY'S PRIOR WRITTEN CONSENT.

INFORMATION ON EXISTING UNDERGROUND FACILITIES MAY NOT BE COMPLETE OR ACCURATE. McELHANNEY, ITS EMPLOYEES AND DIRECTORS ARE NOT RESPONSIBLE NOR LIABLE FOR THE LOCATION OF ANY UNDERGROUND CONDUITS, PIPES, CABLES OR OTHER FACILITIES WHETHER SHOWN OR OMITTED FROM THIS PLAN. PRIOR TO CONSTRUCTION CONTRACTOR SHALL EXPOSE LOCATIONS OF ALL EXISTING FACILITIES BY HAND DIGGING OR HYDROVAC AND ADVISE THE ENGINEER OF POTENTIAL CONFLICTS.

FOR REFERENCE ONLY

McElhanney
Suite 200
858 Beatty Street
Vancouver BC
Canada V6B 1C1
Tel 604 683 8521

SCALE 0 2 1:250 12m

CAD FILENAME NR-0401-1000
FILE NUMBER 2121-00606-01
PLOT DATE 5/31/2024

| REV | DATE | REVISIONS | NAME |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

BRITISH COLUMBIA
MINISTRY OF TRANSPORTATION AND INFRASTRUCTURE
NORTHERN REGION
HIGHWAY ENGINEERING AND GEOMATICS

# CROSS SECTIONS

## HIGHWAY No. 16 - McBRIDE STREET AND 2ND AVENUE INTERSECTION IMPROVEMENTS

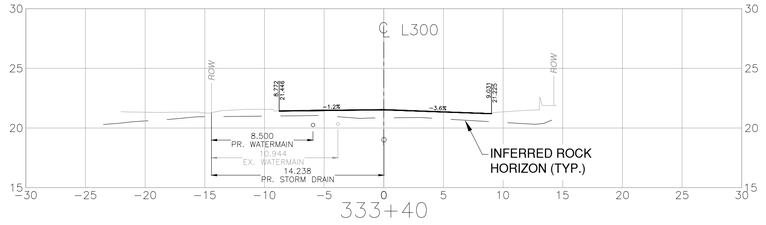
L200 - STA. 234+60.000 TO 235+18.000

DESIGNED R. HALPIN DATE 2024-05-31
QUALITY CONTROL T. McKENZIE DATE 2024-05-31
QUALITY ASSURANCE J. PINTO DATE 2024-05-31
DRAWN R. LIN DATE 2024-05-31

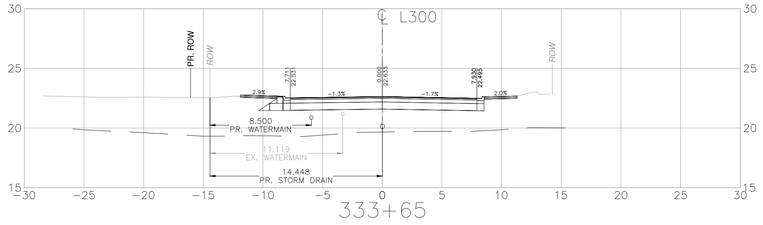
###########
PROFESSIONAL OF RECORD
EGBC PERMIT TO PRACTICE 1003299
DATE 2024-05-31

| PROJECT NUMBER | REG | DRAWING NUMBER | REV |
|---|---|---|---|
| 38320-0000 | 3 | NR-0401-1004 | |

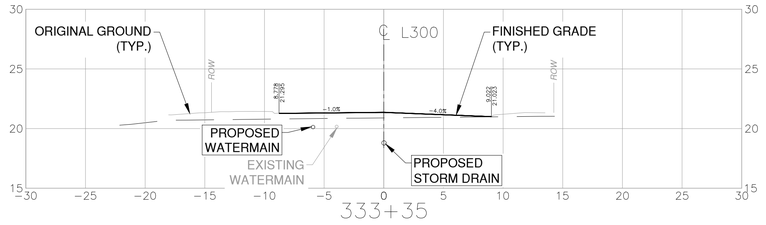
PLOT DATE: 2024/05/31 X:\2121\2121-00606-01 MoTI-Hwy16 Detailed Design Services\10.0 DRAWINGS\10.3 Engineering\Hwy16McBride\DrawingProduction\1000_DesignSections\NR-0401-1000.dwg



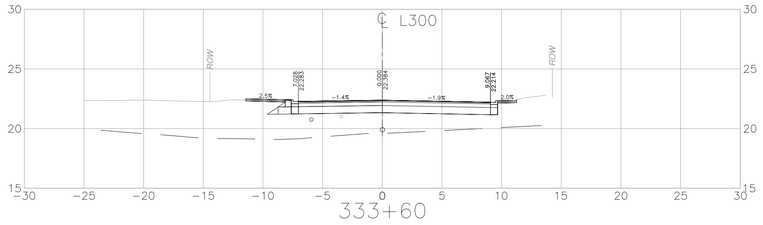

333+40



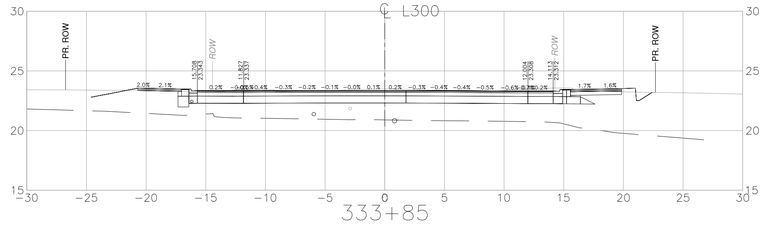

333+65



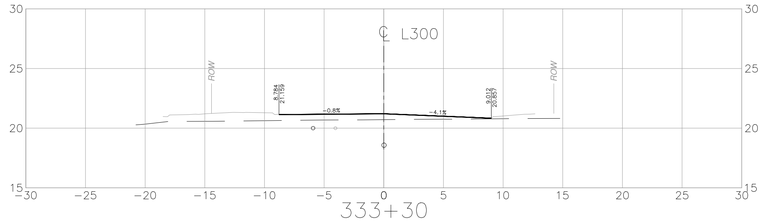

333+35



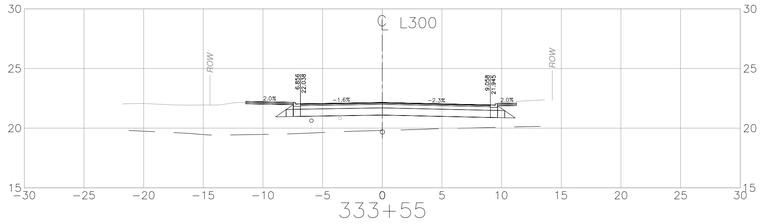

333+60



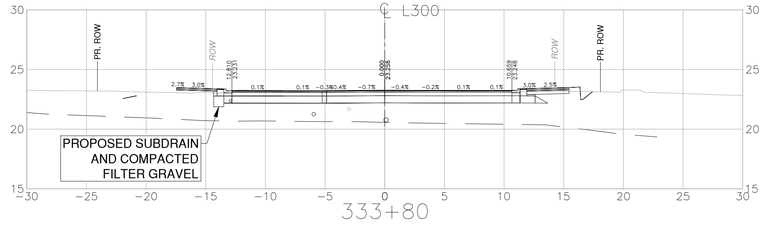

333+85



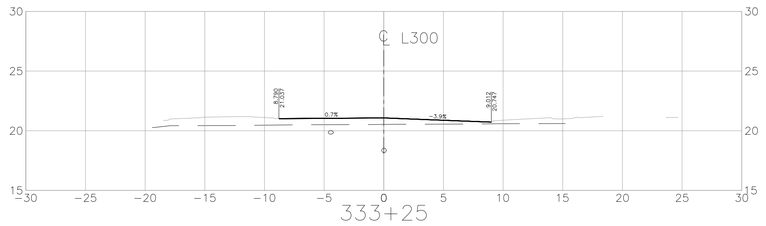

333+30



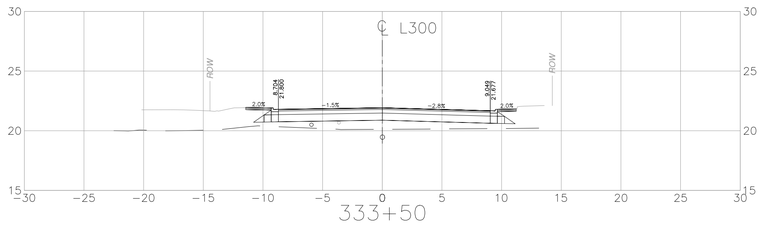

333+55



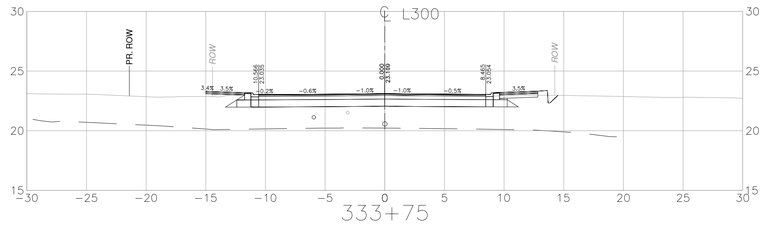

333+80



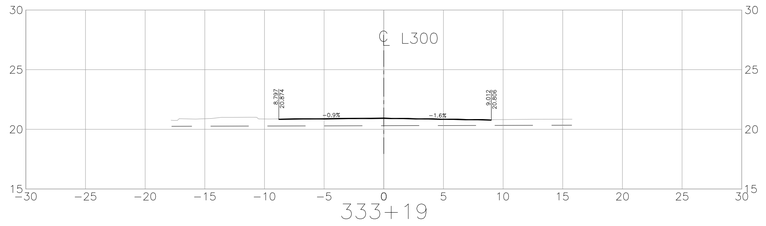

333+25



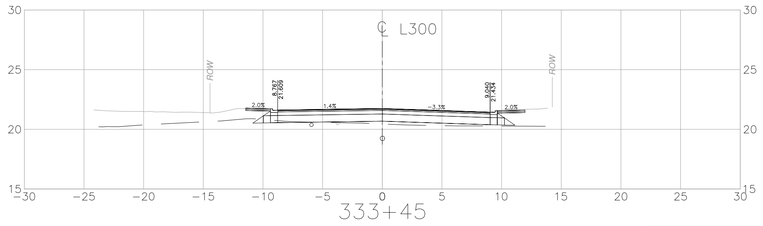

333+50



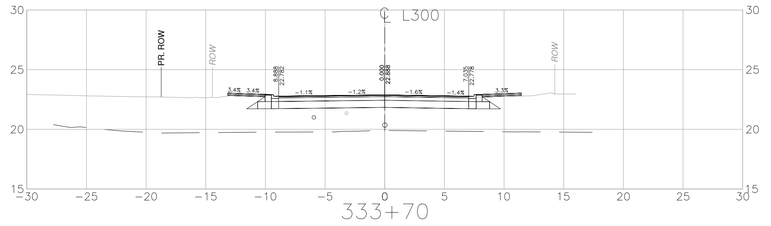

333+75




333+19




333+45




333+70

THIS DRAWING AND DESIGN IS THE PROPERTY OF McELHANNEY AND SHALL NOT BE USED, REUSED OR REPRODUCED WITHOUT THE CONSENT OF McELHANNEY. McELHANNEY WILL NOT BE HELD RESPONSIBLE FOR THE IMPROPER OR UNAUTHORIZED USE OF THIS DRAWING AND DESIGN.

THIS DRAWING AND DESIGN HAS BEEN PREPARED FOR THE CLIENT IDENTIFIED, TO MEET THE STANDARDS AND REQUIREMENTS OF THE APPLICABLE PUBLIC AGENCIES AT THE TIME OF PREPARATION. McELHANNEY, ITS EMPLOYEES, SUBCONSULTANTS AND AGENTS WILL NOT BE LIABLE FOR ANY LOSSES OR OTHER CONSEQUENCES RESULTING FROM THE USE OR RELIANCE UPON, OR ANY CHANGES MADE TO, THIS DRAWING, BY ANY THIRD PARTY, INCLUDING CONTRACTORS, SUPPLIERS, CONSULTANTS AND STAKEHOLDERS, OR THEIR EMPLOYEES OR AGENTS, WITHOUT McELHANNEY'S PRIOR WRITTEN CONSENT.

INFORMATION ON EXISTING UNDERGROUND FACILITIES MAY NOT BE COMPLETE OR ACCURATE. McELHANNEY, ITS EMPLOYEES AND DIRECTORS ARE NOT RESPONSIBLE NOR LIABLE FOR THE LOCATION OF ANY UNDERGROUND CONDUITS, PIPES, CABLES OR OTHER FACILITIES WHETHER SHOWN OR OMITTED FROM THIS PLAN. PRIOR TO CONSTRUCTION CONTRACTOR SHALL EXPOSE LOCATIONS OF ALL EXISTING FACILITIES BY HAND DIGGING OR HYDROVAC AND ADVISE THE ENGINEER OF POTENTIAL CONFLICTS.

FOR REFERENCE ONLY

McElhanney
Suite 200
858 Beatty Street
Vancouver BC
Canada V6B 1C1
Tel 604 683 8521

SCALE 0 2 1:250 12m

CAD FILENAME NR-0401-1000
FILE NUMBER 2121-00606-01
PLOT DATE 5/31/2024

| REV | DATE | REVISIONS | NAME |
|---|---|---|---|
| | | | |

BRITISH COLUMBIA
MINISTRY OF TRANSPORTATION AND INFRASTRUCTURE
NORTHERN REGION
HIGHWAY ENGINEERING AND GEOMATICS

# CROSS SECTIONS

## HIGHWAY No. 16 - McBRIDE STREET AND 2ND AVENUE INTERSECTION IMPROVEMENTS

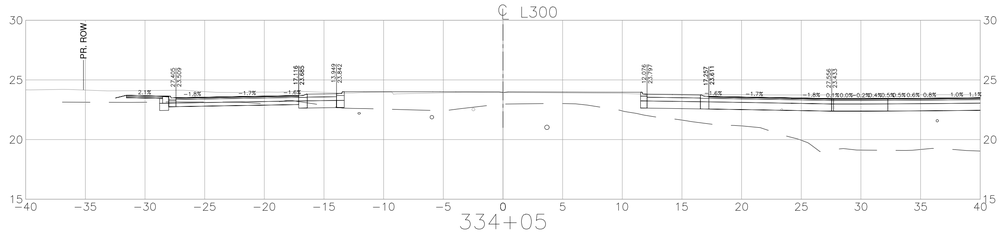
L300 - STA. 333+21.200 TO 333+85.000

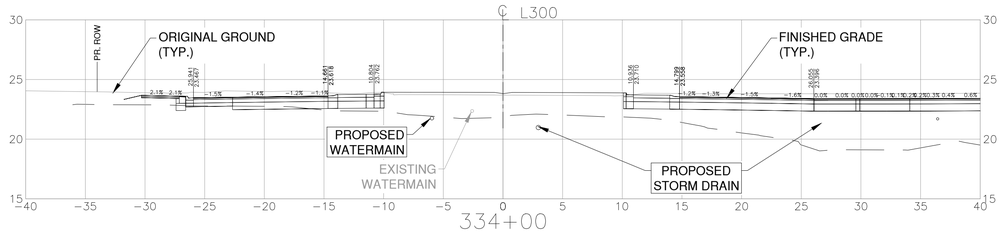
DESIGNED R. HALPIN DATE 2024-05-31
QUALITY CONTROL T. McKENZIE DATE 2024-05-31
QUALITY ASSURANCE J. PINTO DATE 2024-05-31
DRAWN R. LIN DATE 2024-05-31

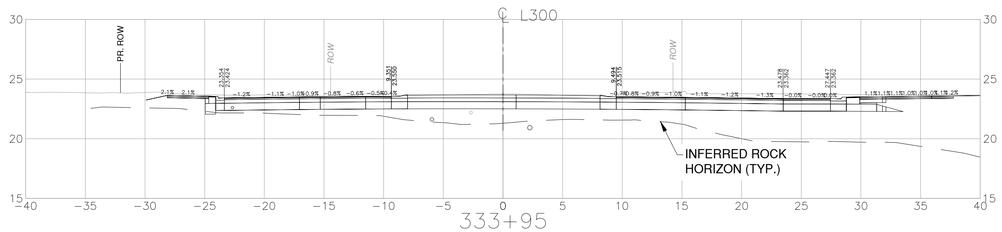
##########
PROFESSIONAL OF RECORD
EGBC PERMIT TO PRACTICE 1003299
DATE 2024-05-31

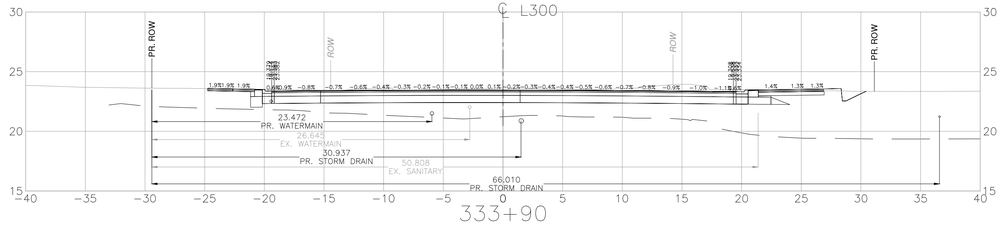
| PROJECT NUMBER | REG | DRAWING NUMBER | REV |
|---|---|---|---|
| 38320-0000 | 3 | NR-0401-1005 | |

PLOT DATE: 2024/05/31 X:\2121\2121-00606-01 MoTI-Hwy16 Detailed Design Services\10.0 DRAWINGS\10.3 Engineering\Hwy16McBride\DrawingProduction\1000_DesignSections\NR-0401-1000.dwg




THIS DRAWING AND DESIGN IS THE PROPERTY OF McELHANNEY AND SHALL NOT BE USED, REUSED OR REPRODUCED WITHOUT THE CONSENT OF McELHANNEY. McELHANNEY WILL NOT BE HELD RESPONSIBLE FOR THE IMPROPER OR UNAUTHORIZED USE OF THIS DRAWING AND DESIGN.

THIS DRAWING AND DESIGN HAS BEEN PREPARED FOR THE CLIENT IDENTIFIED, TO MEET THE STANDARDS AND REQUIREMENTS OF THE APPLICABLE PUBLIC AGENCIES AT THE TIME OF PREPARATION. McELHANNEY, ITS EMPLOYEES, SUBCONSULTANTS AND AGENTS WILL NOT BE LIABLE FOR ANY LOSSES OR OTHER CONSEQUENCES RESULTING FROM THE USE OR RELIANCE UPON, OR ANY CHANGES MADE TO, THIS DRAWING, BY ANY THIRD PARTY, INCLUDING CONTRACTORS, SUPPLIERS, CONSULTANTS AND STAKEHOLDERS, OR THEIR EMPLOYEES OR AGENTS, WITHOUT McELHANNEY'S PRIOR WRITTEN CONSENT.

INFORMATION ON EXISTING UNDERGROUND FACILITIES MAY NOT BE COMPLETE OR ACCURATE. McELHANNEY, ITS EMPLOYEES AND DIRECTORS ARE NOT RESPONSIBLE NOR LIABLE FOR THE LOCATION OF ANY UNDERGROUND CONDUITS, PIPES, CABLES OR OTHER FACILITIES WHETHER SHOWN OR OMITTED FROM THIS PLAN. PRIOR TO CONSTRUCTION CONTRACTOR SHALL EXPOSE LOCATIONS OF ALL EXISTING FACILITIES BY HAND DIGGING OR HYDROVAC AND ADVISE THE ENGINEER OF POTENTIAL CONFLICTS.

FOR REFERENCE ONLY

McElhanney
Suite 200
858 Beatty Street
Vancouver BC
Canada V6B 1C1
Tel 604 683 8521

SCALE 0 2 1:250 12m

CAD FILENAME NR-0401-1000
FILE NUMBER 2121-00606-01
PLOT DATE 5/31/2024

| REV | DATE | REVISIONS | NAME |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

BRITISH COLUMBIA
MINISTRY OF TRANSPORTATION AND INFRASTRUCTURE
NORTHERN REGION
HIGHWAY ENGINEERING AND GEOMATICS

# CROSS SECTIONS

## HIGHWAY No. 16 - McBRIDE STREET AND 2ND AVENUE INTERSECTION IMPROVEMENTS

L300 - STA. 333+90.000 TO 334+05.000

DESIGNED R. HALPIN DATE 2024-05-31
QUALITY CONTROL T. McKENZIE DATE 2024-05-31
QUALITY ASSURANCE J. PINTO DATE 2024-05-31
DRAWN R. LIN DATE 2024-05-31

##########
PROFESSIONAL OF RECORD
EGBC PERMIT TO PRACTICE 1003299
DATE 2024-05-31

| PROJECT NUMBER | REG | DRAWING NUMBER | REV |
|---|---|---|---|
| 38320-0000 | 3 | NR-0401-1006 | |

PLOT DATE: 2024/05/31 X:\2121\2121-00606-01 MoTI-Hwy16 Detailed Design Services\10.0 DRAWINGS\10.3 Engineering\Hwy16McBride\DrawingProduction\1000_DesignSections\NR-0401-1000.dwg