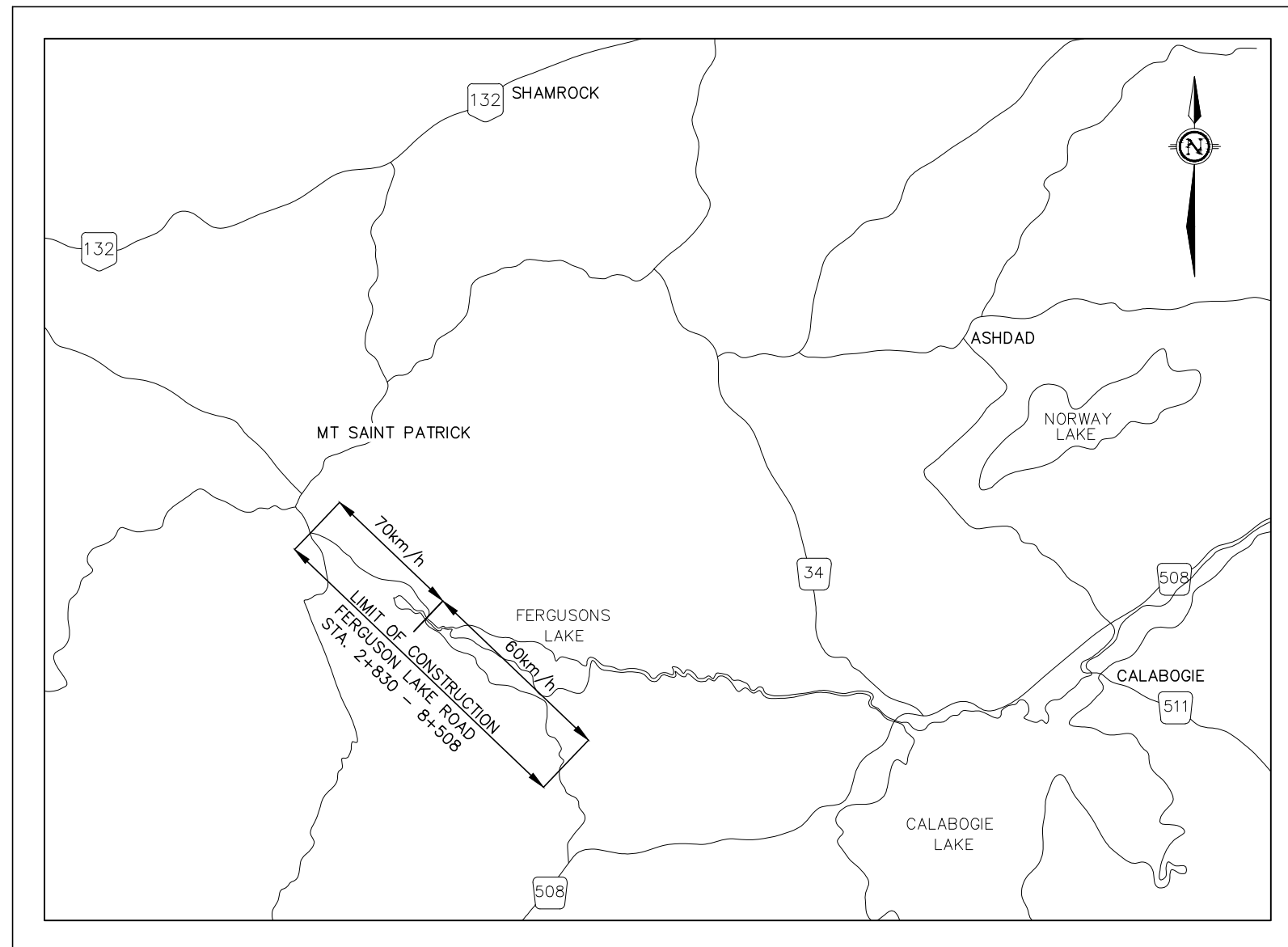


CONTRACT DRAWINGS
RECONSTRUCTION OF FERGUSON LAKE ROAD (PHASE 1)
PRELIMINARY DESIGN

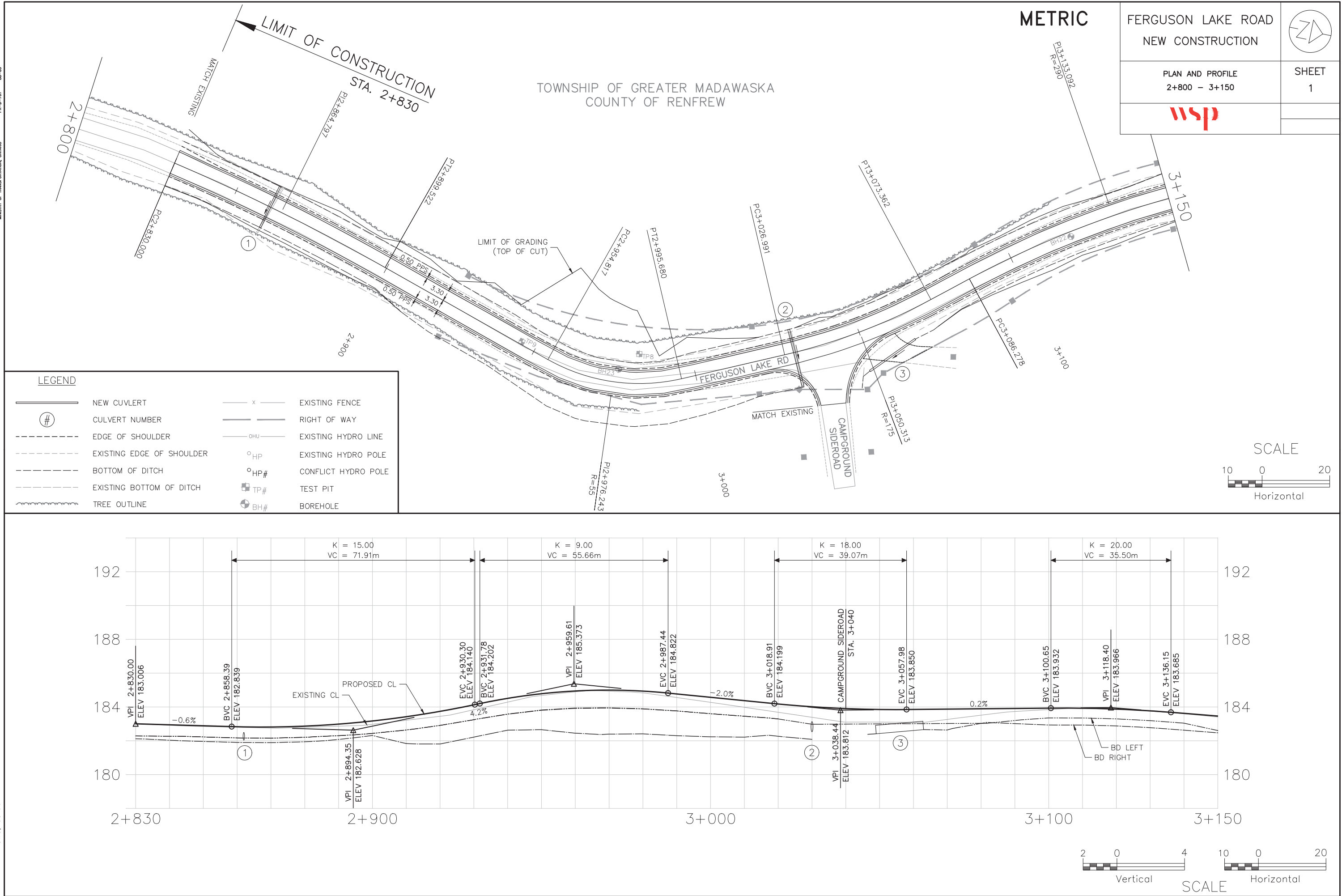


KEY PLAN
N.T.S.



INDEX

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DRAWING NAME: DESIGN.DWG
DRAWN BY: Howe, Jordan

MODIFIED: 6/8/2021 11:53 AM PLOTTED: 6/9/2021 12:08 PM

MINISTRY OF TRANSPORTATION, ONTARIO
PR-D-707 88-05

TOWNSHIP OF GREATER MADAWASKA
COUNTY OF RENFREW

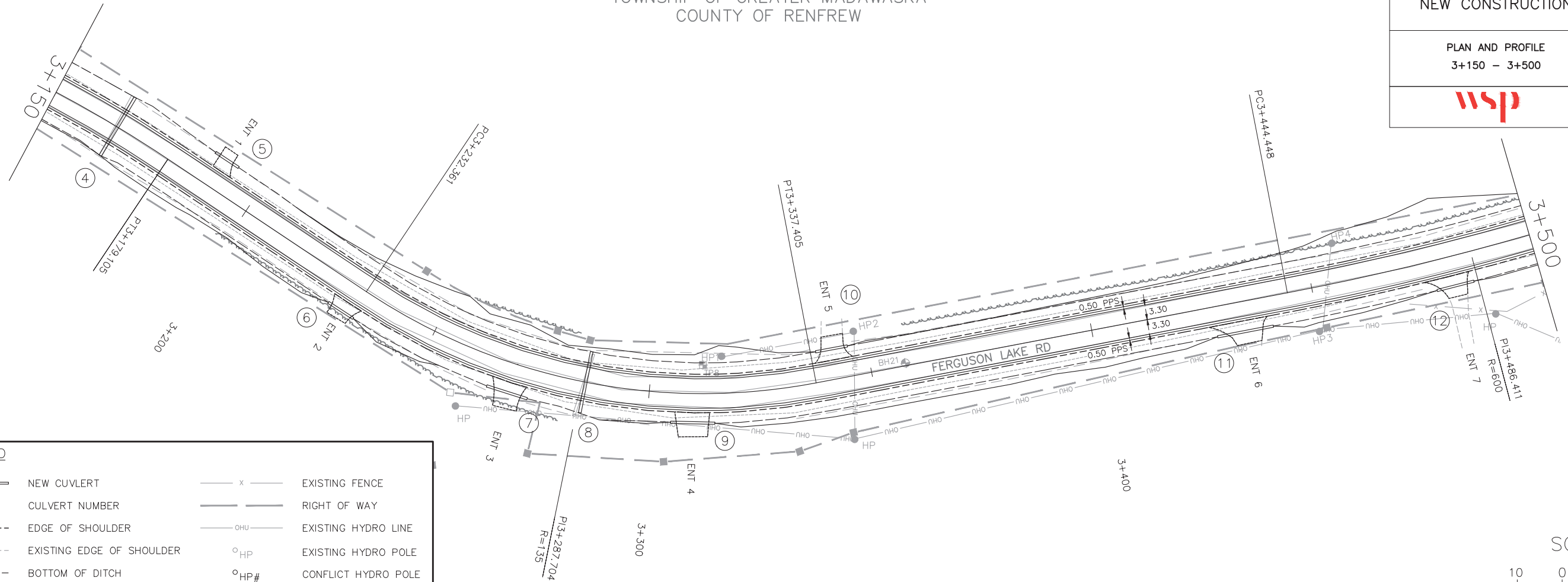
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FERGUSON LAKE ROAD
NEW CONSTRUCTION

PLAN AND PROFILE
3+150 - 3+500



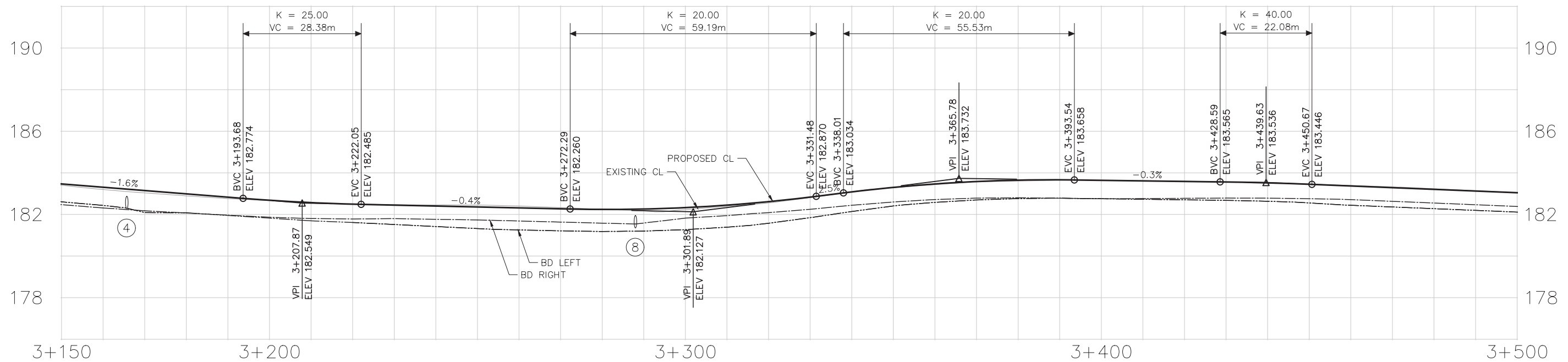
SHEET
2



LEGEND

	NEW CUVLERT		EXISTING FENCE
	CULVERT NUMBER		RIGHT OF WAY
	EDGE OF SHOULDER		EXISTING HYDRO LINE
	EXISTING EDGE OF SHOULDER		EXISTING HYDRO POLE
	BOTTOM OF DITCH		CONFLICT HYDRO POLE
	EXISTING BOTTOM OF DITCH		TEST PIT
	TREE OUTLINE		BOREHOLE

SCALE



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DRAWING NAME: DESIGN.DWG
DRAWN BY: Howe, Jordan

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MINISTRY OF TRANSPORTATION, ONTARIO

PR-D-707 88-05

LEGEND

	NEW CUVLERT		EXISTING FENCE
	CULVERT NUMBER		RIGHT OF WAY
	EDGE OF SHOULDER		EXISTING HYDRO LINE
	EXISTING EDGE OF SHOULDER		EXISTING HYDRO POLE
	BOTTOM OF DITCH		CONFLICT HYDRO POLE
	EXISTING BOTTOM OF DITCH		TEST PIT
	TREE OUTLINE		BOREHOLE

METRIC

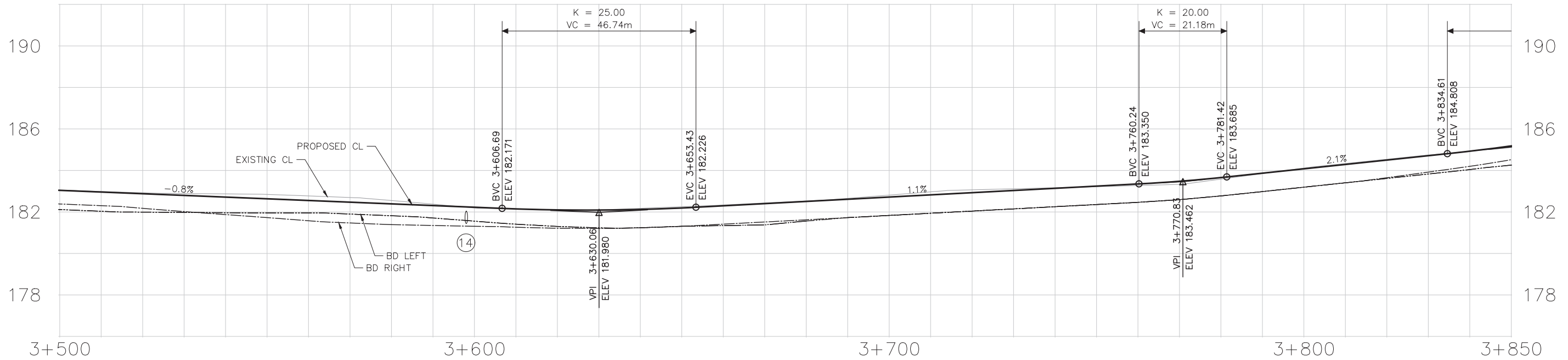
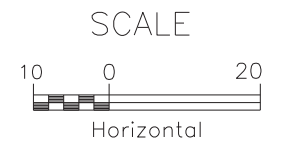
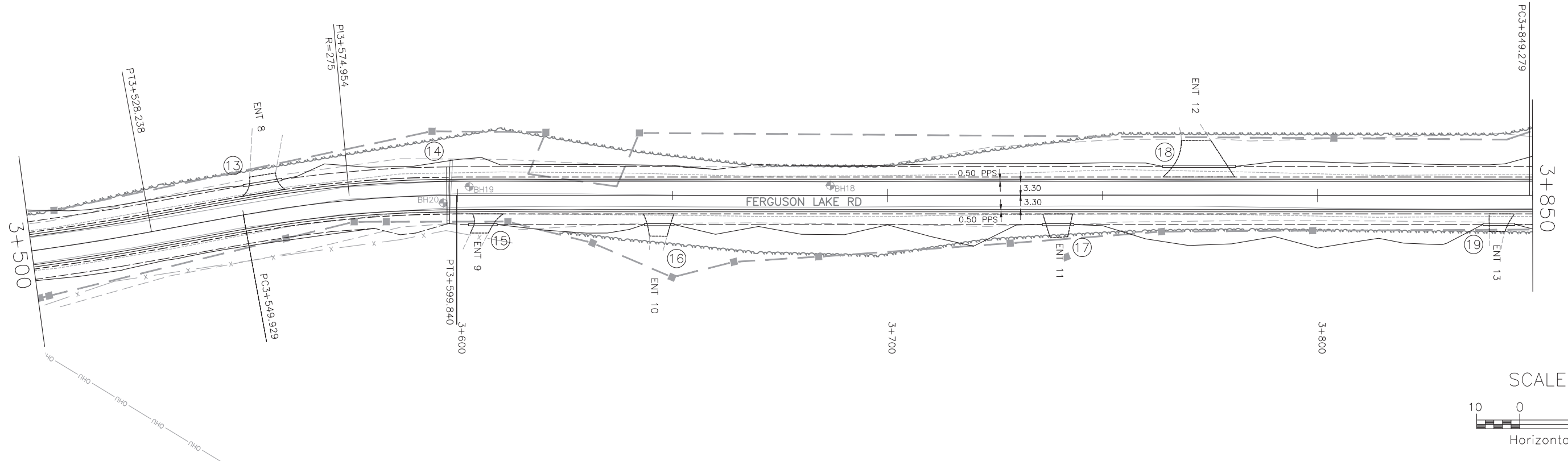
FERGUSON LAKE ROAD
NEW CONSTRUCTION

PLAN AND PROFILE
3+500 - 3+850



SHEET
3

TOWNSHIP OF GREATER MADAWASKA
COUNTY OF RENFREW



LEGEND

	NEW CUVLERT		EXISTING FENCE
	CULVERT NUMBER		RIGHT OF WAY
	EDGE OF SHOULDER		EXISTING HYDRO LINE
	EXISTING EDGE OF SHOULDER		EXISTING HYDRO POLE
	BOTTOM OF DITCH		CONFLICT HYDRO POLE
	EXISTING BOTTOM OF DITCH		TEST PIT
	TREE OUTLINE		BOREHOLE

TOWNSHIP OF GREATER MADAWASKA COUNTY OF RENFREW

METRIC

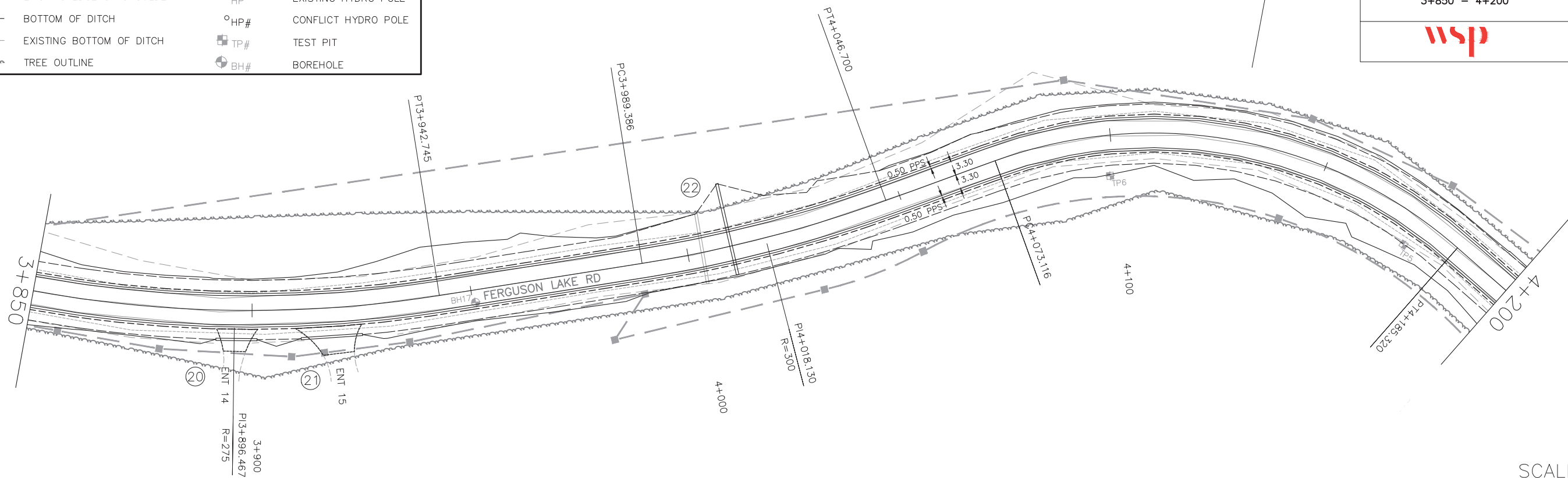
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FERGUSON LAKE ROAD
NEW CONSTRUCTION

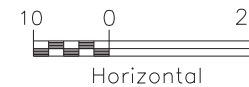
PLAN AND PROFILE
3+850 - 4+200



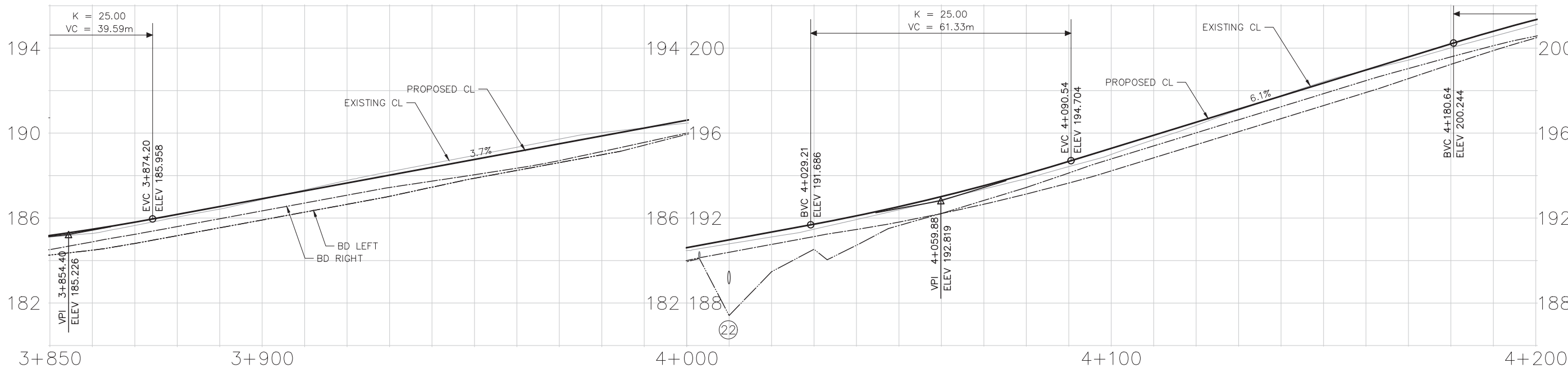
SHEET
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SCALE



Horizontal



SCALE

Vertical

Horizontal

LEGEND

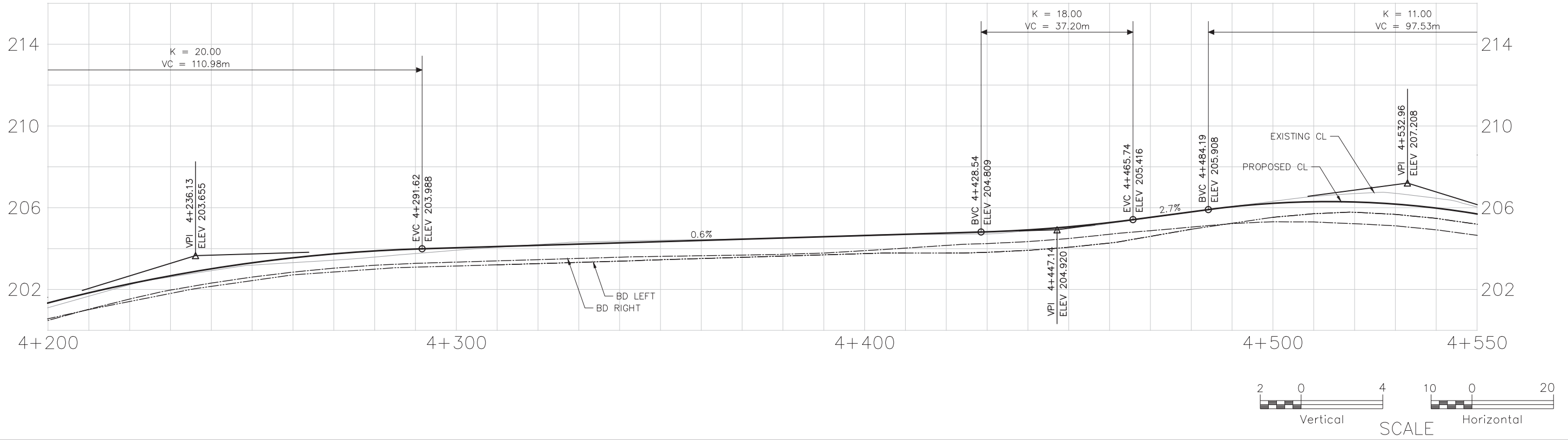
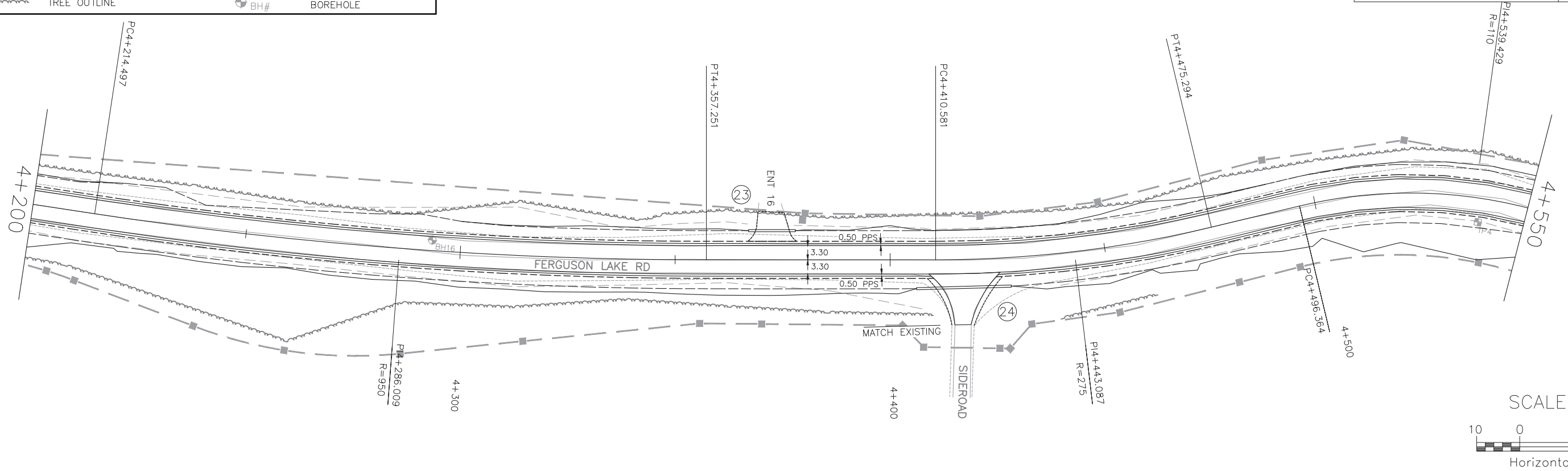
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	CULVERT NUMBER		RIGHT OF WAY
	EDGE OF SHOULDER		EXISTING HYDRO LINE
	EXISTING EDGE OF SHOULDER		EXISTING HYDRO POLE
	BOTTOM OF DITCH		CONFLICT HYDRO POLE
	EXISTING BOTTOM OF DITCH		TEST PIT
	TREE OUTLINE		BOREHOLE

METRIC

FERGUSON LAKE ROAD
NEW CONSTRUCTION

PLAN AND PROFILE
4+200 - 4+550

SHEET
5



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DRAWING NAME: DESIGN.DWG
DRAWN BY: Howe, Jordan

MODIFIED: 6/8/2021 11:53 AM PLOTTED: 6/9/2021 12:09 PM

MINISTRY OF TRANSPORTATION, ONTARIO
PR-D-707 88-05

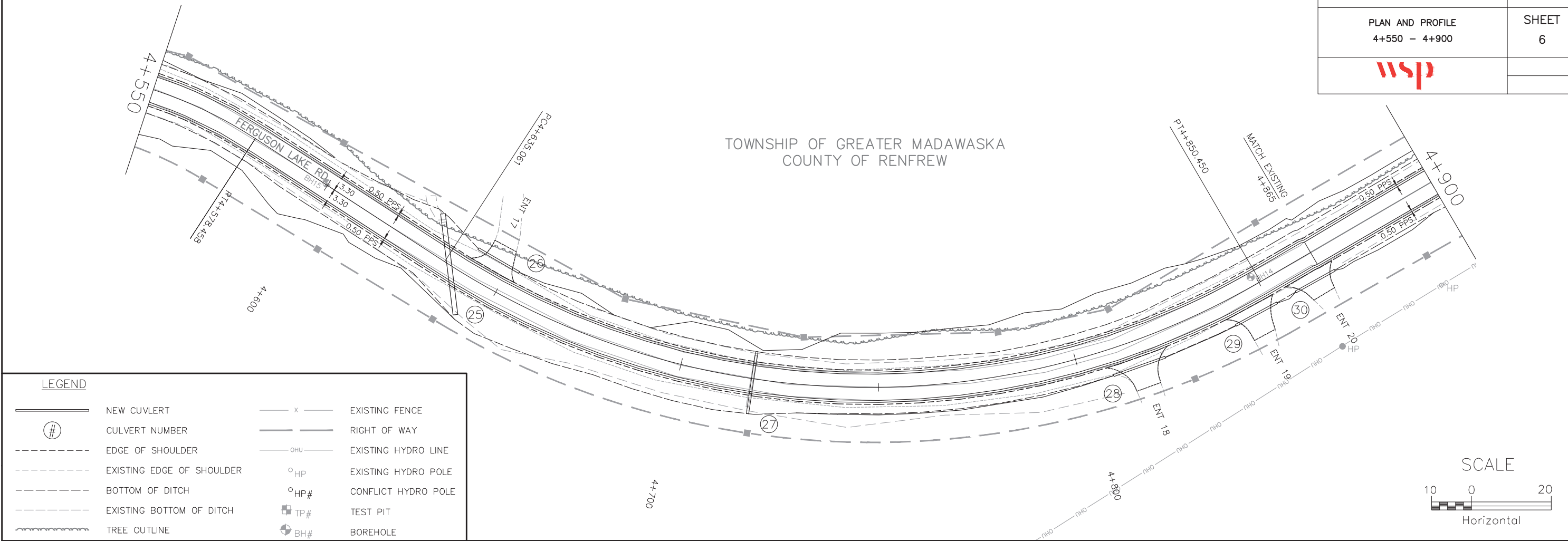
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FERGUSON LAKE ROAD
NEW CONSTRUCTION

PLAN AND PROFILE
4+550 - 4+900



SHEET
6



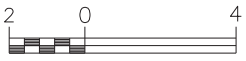
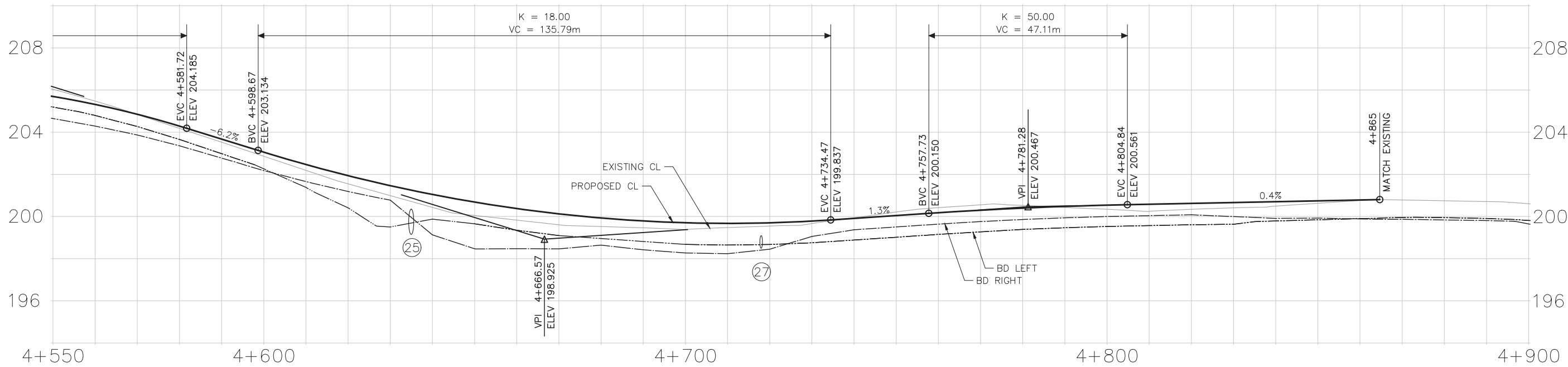
LEGEND

- | | | | |
|--|---------------------------|--|---------------------|
| | NEW CUVLERT | | EXISTING FENCE |
| | CULVERT NUMBER | | RIGHT OF WAY |
| | EDGE OF SHOULDER | | EXISTING HYDRO LINE |
| | EXISTING EDGE OF SHOULDER | | EXISTING HYDRO POLE |
| | BOTTOM OF DITCH | | CONFLICT HYDRO POLE |
| | EXISTING BOTTOM OF DITCH | | TEST PIT |
| | TREE OUTLINE | | BOREHOLE |

SCALE



Horizontal



Vertical

SCALE



Horizontal

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DRAWING NAME: DESIGN.DWG
DRAWN BY: Howe, Jordan

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MINISTRY OF TRANSPORTATION, ONTARIO

PR-D-707 88-05

LEGEND

	NEW CUVLERT		EXISTING FENCE
	CULVERT NUMBER		RIGHT OF WAY
	EDGE OF SHOULDER		EXISTING HYDRO LINE
	EXISTING EDGE OF SHOULDER		EXISTING HYDRO POLE
	BOTTOM OF DITCH		CONFLICT HYDRO POLE
	EXISTING BOTTOM OF DITCH		TEST PIT
	TREE OUTLINE		BOREHOLE

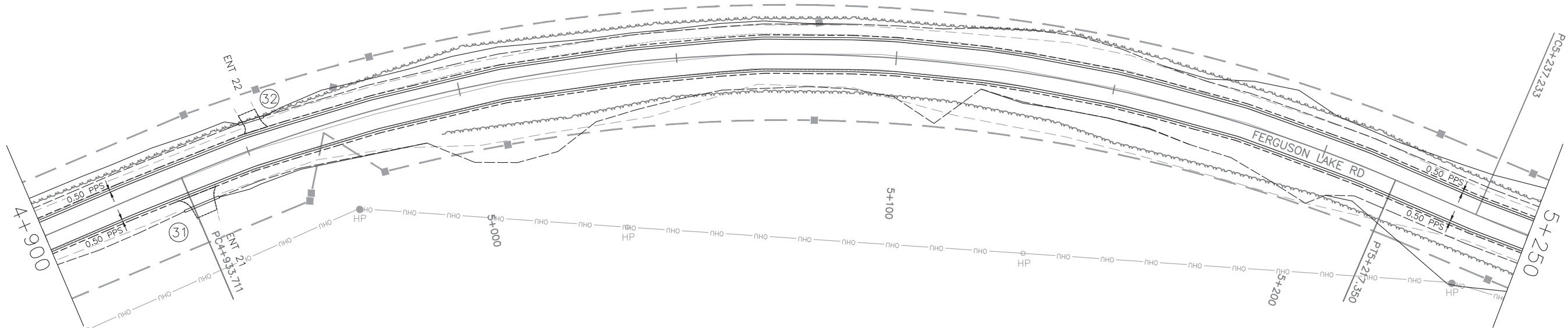
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FERGUSON LAKE ROAD
NEW CONSTRUCTION

PLAN AND PROFILE
4+900 - 5+250

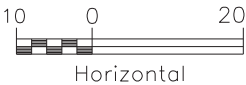


SHEET
7

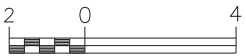
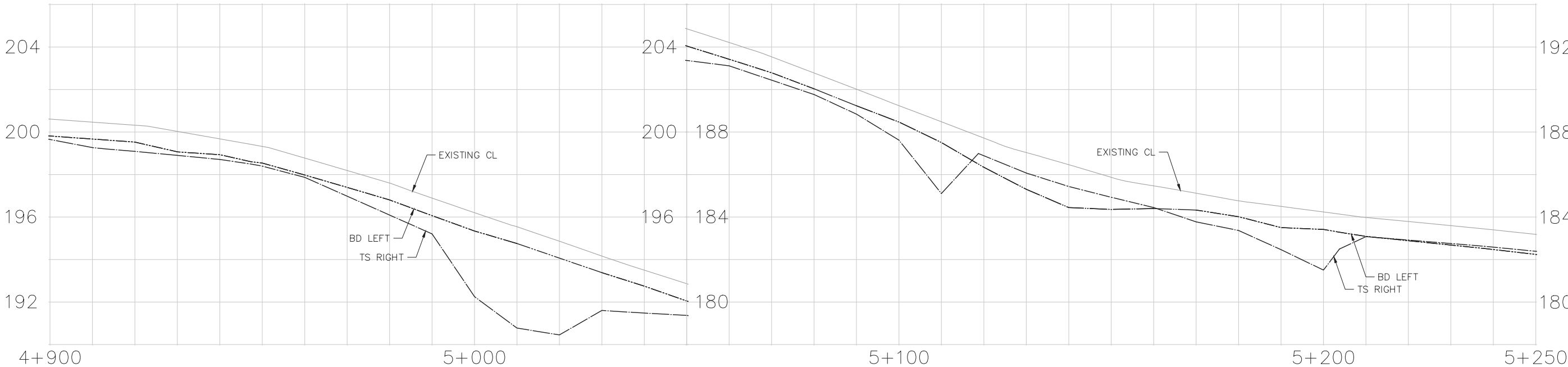


TOWNSHIP OF GREATER MADAWASKA
COUNTY OF RENFREW

SCALE

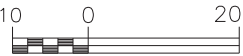


Horizontal



Vertical

SCALE



Horizontal

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DRAWING NAME: DESIGN.DWG
DRAWN BY: Howe, Jordan

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MINISTRY OF TRANSPORTATION, ONTARIO

PR-D-707 88-05

LEGEND

- | | | | |
|--|---------------------------|--|---------------------|
| | NEW CUVLERT | | EXISTING FENCE |
| | CULVERT NUMBER | | RIGHT OF WAY |
| | EDGE OF SHOULDER | | EXISTING HYDRO LINE |
| | EXISTING EDGE OF SHOULDER | | EXISTING HYDRO POLE |
| | BOTTOM OF DITCH | | CONFLICT HYDRO POLE |
| | EXISTING BOTTOM OF DITCH | | TEST PIT |
| | TREE OUTLINE | | BOREHOLE |

TOWNSHIP OF GREATER MADAWASKA
COUNTY OF RENFREW

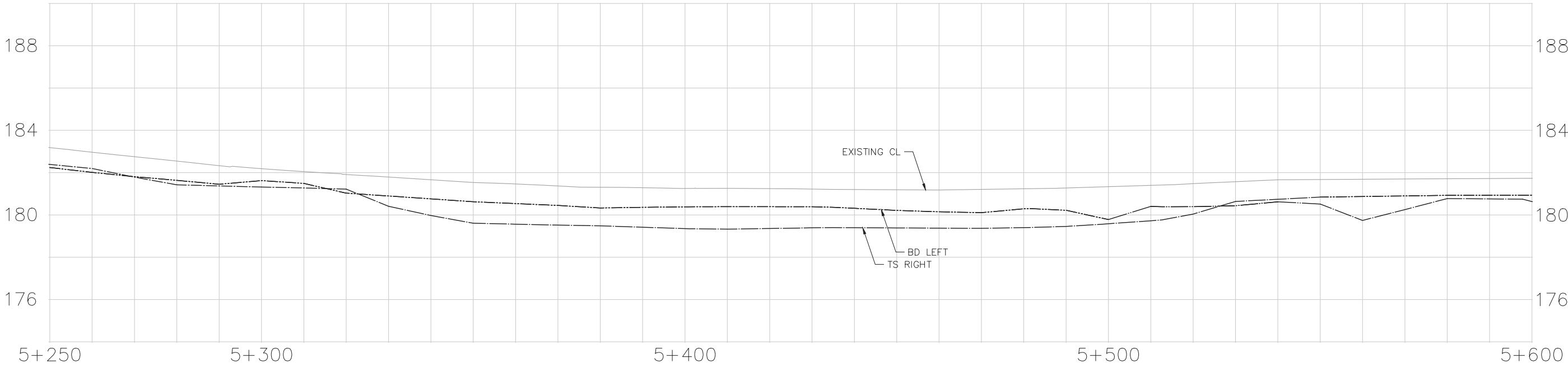
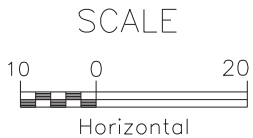
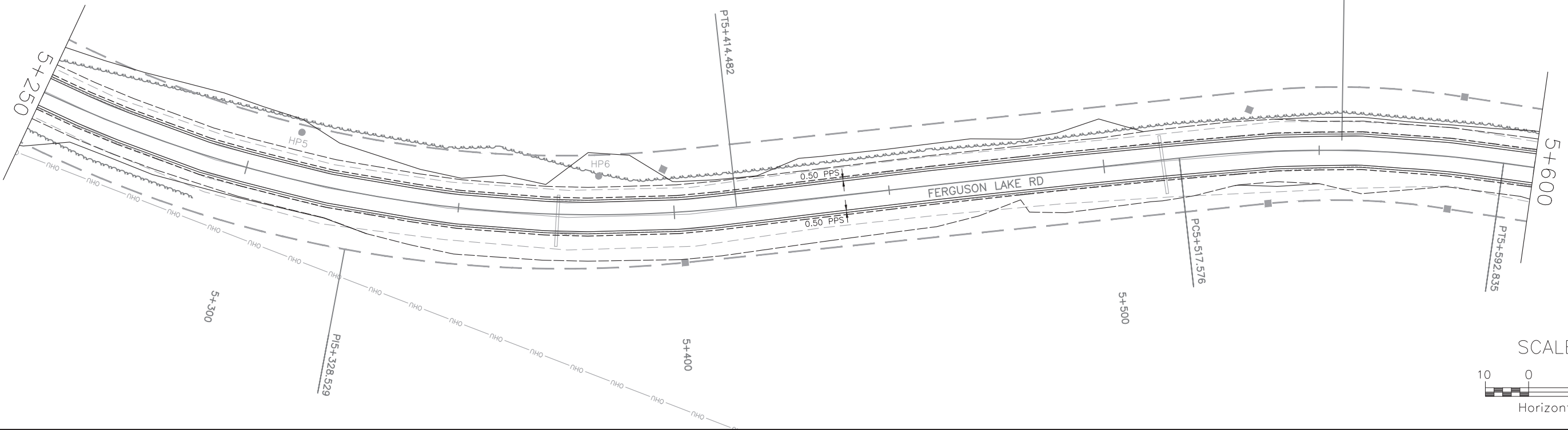
METRIC

FERGUSON LAKE ROAD
NEW CONSTRUCTION

PLAN AND PROFILE
5+250 - 5+600



SHEET
8



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DRAWN BY: Howe, Jordan

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PR-D-707 88-05
MINISTRY OF TRANSPORTATION, ONTARIO

LEGEND

- | | | | |
|--|---------------------------|--|---------------------|
| | NEW CUVLERT | | EXISTING FENCE |
| | CULVERT NUMBER | | RIGHT OF WAY |
| | EDGE OF SHOULDER | | EXISTING HYDRO LINE |
| | EXISTING EDGE OF SHOULDER | | EXISTING HYDRO POLE |
| | BOTTOM OF DITCH | | CONFLICT HYDRO POLE |
| | EXISTING BOTTOM OF DITCH | | TEST PIT |
| | TREE OUTLINE | | BOREHOLE |

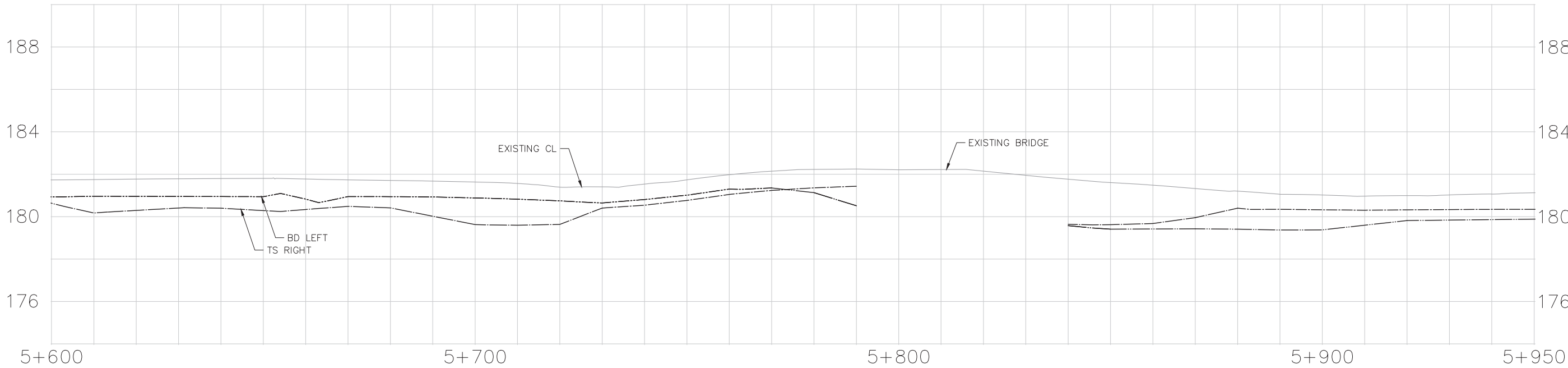
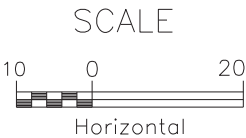
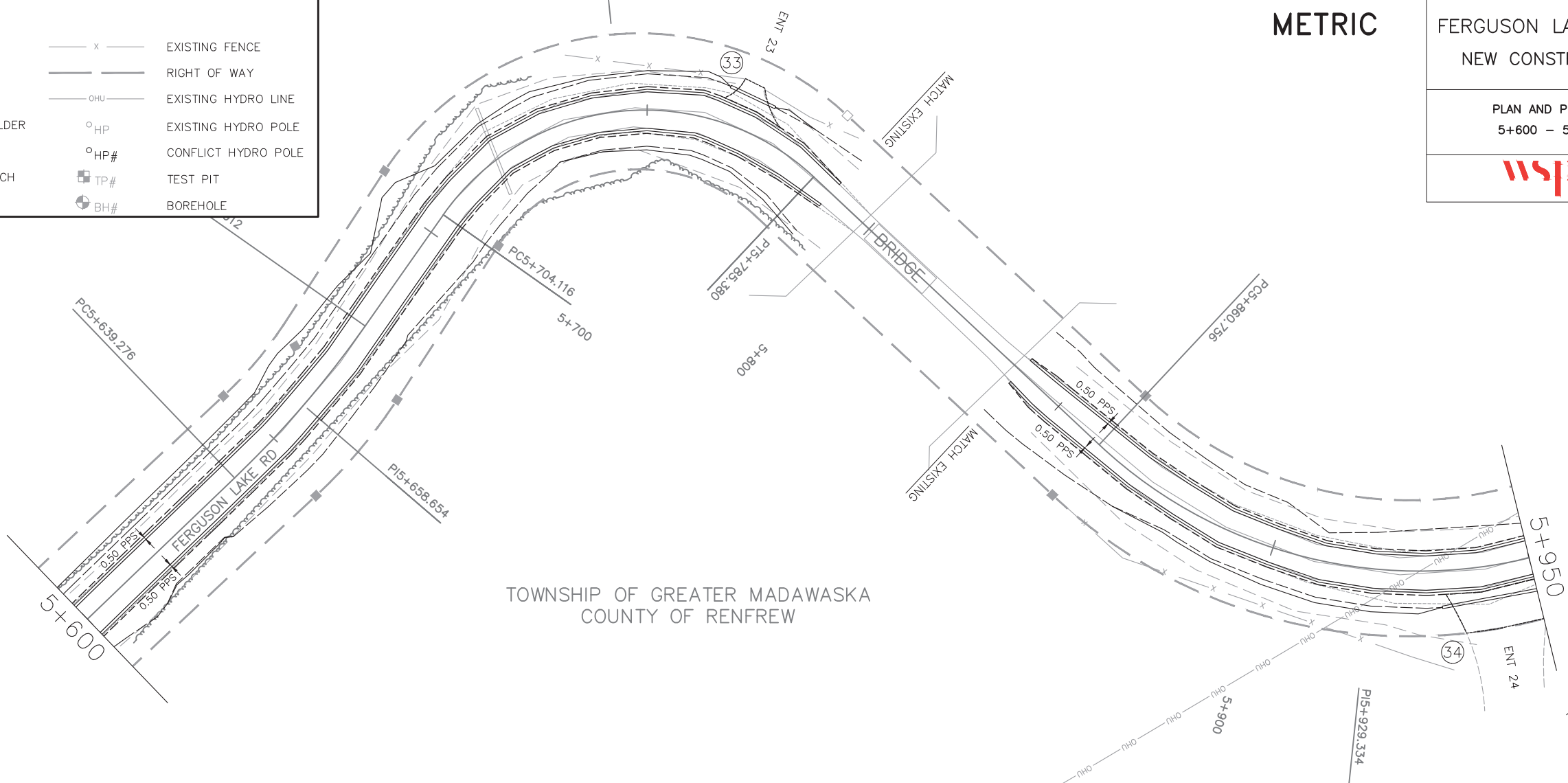
METRIC

FERGUSON LAKE ROAD
NEW CONSTRUCTION



PLAN AND PROFILE
5+600 - 5+950

SHEET
9



SCALE

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DRAWING NAME: DESIGN.DWG
DRAWN BY: Howe, Jordan

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PR-D-707 88-05
MINISTRY OF TRANSPORTATION, ONTARIO

LEGEND

	NEW CUVLERT		EXISTING FENCE
	CULVERT NUMBER		RIGHT OF WAY
	EDGE OF SHOULDER		EXISTING HYDRO LINE
	EXISTING EDGE OF SHOULDER		EXISTING HYDRO POLE
	BOTTOM OF DITCH		CONFLICT HYDRO POLE
	EXISTING BOTTOM OF DITCH		TEST PIT
	TREE OUTLINE		BOREHOLE

METRIC

FERGUSON LAKE ROAD
NEW CONSTRUCTION

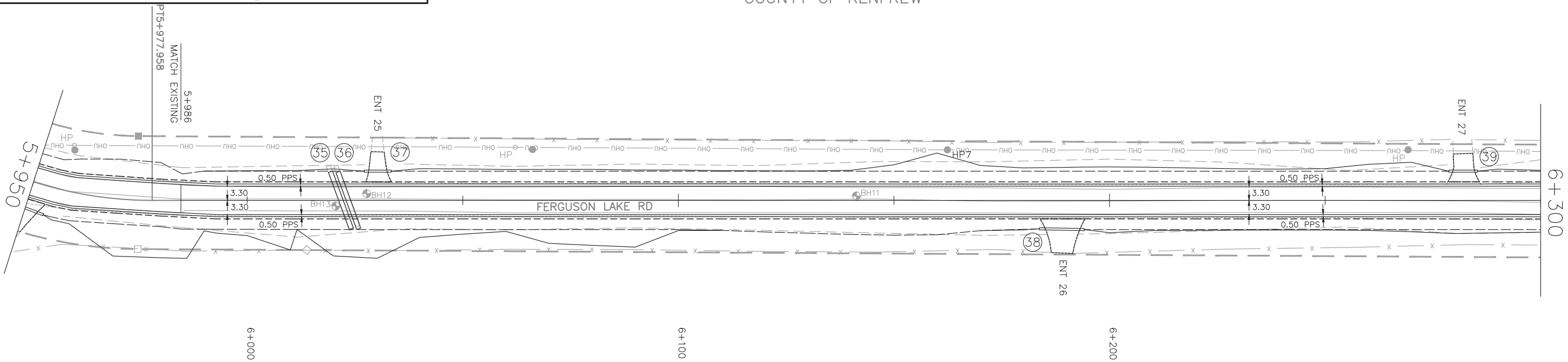
PLAN AND PROFILE
5+950 - 6+300



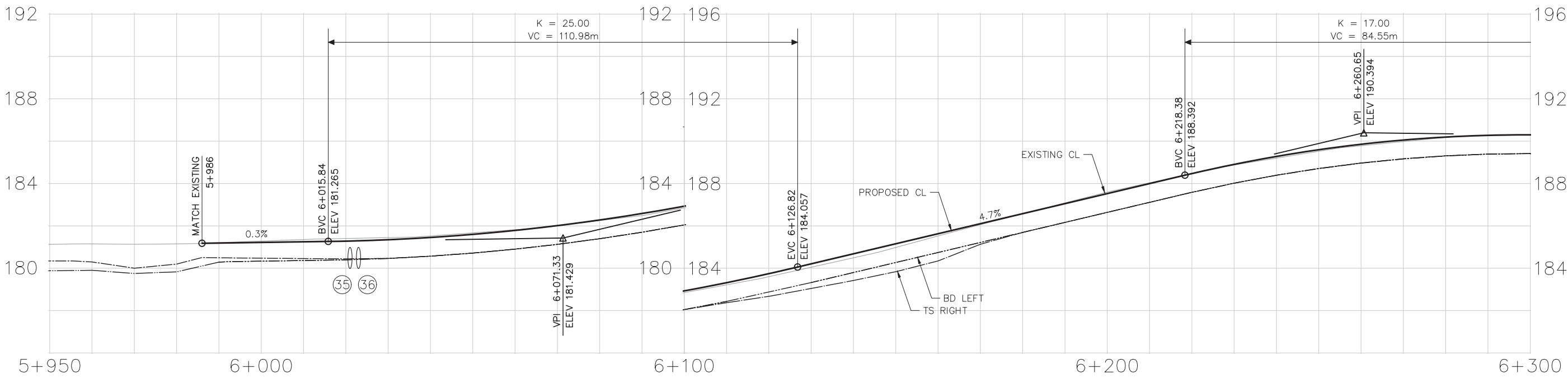
SHEET
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TOWNSHIP OF GREATER MADAWASKA
COUNTY OF RENFREW



SCALE



SCALE

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DRAWN BY: Howe, Jordan

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MINISTRY OF TRANSPORTATION, ONTARIO
PR-D-707 88-05

LEGEND

	NEW CUVLERT		EXISTING FENCE
	CULVERT NUMBER		RIGHT OF WAY
	EDGE OF SHOULDER		EXISTING HYDRO LINE
	EXISTING EDGE OF SHOULDER		EXISTING HYDRO POLE
	BOTTOM OF DITCH		CONFLICT HYDRO POLE
	EXISTING BOTTOM OF DITCH		TEST PIT
	TREE OUTLINE		BOREHOLE

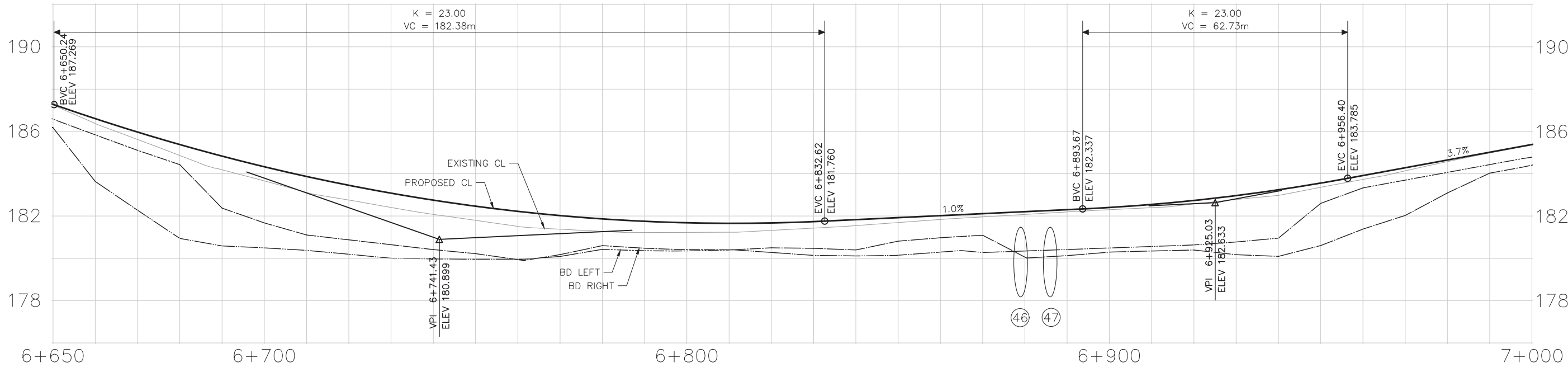
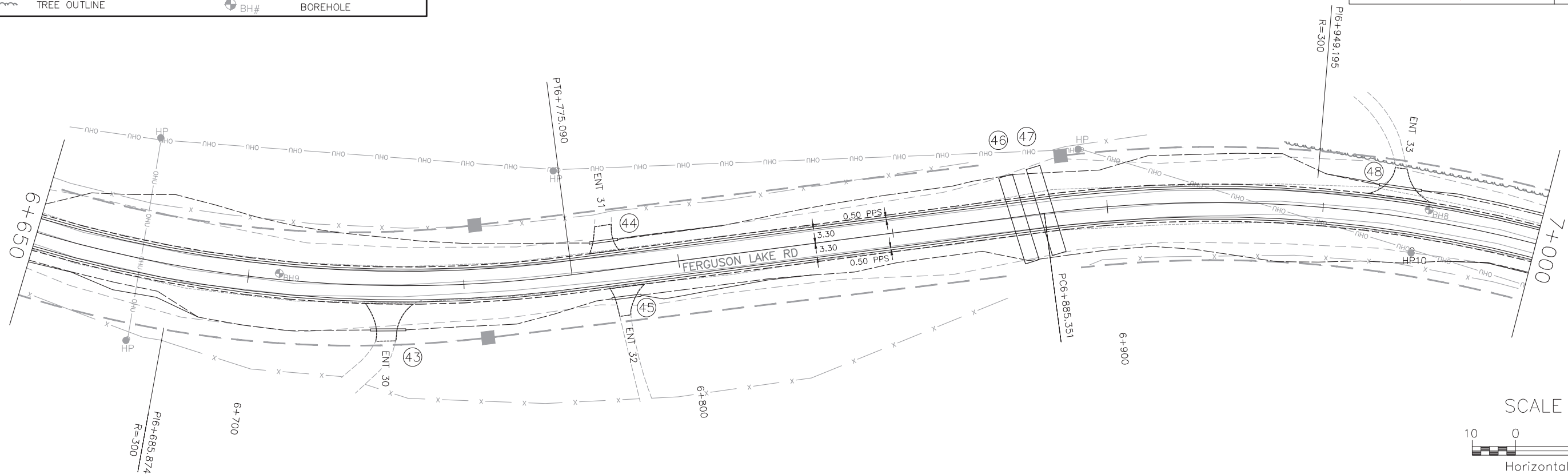
METRIC

FERGUSON LAKE ROAD
NEW CONSTRUCTION

PLAN AND PROFILE
6+650 - 7+000



SHEET
11



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DRAWN BY: Howe, Jordan

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MINISTRY OF TRANSPORTATION, ONTARIO
PR-D-707 88-05

LEGEND

	NEW CUVLERT		EXISTING FENCE
	CULVERT NUMBER		RIGHT OF WAY
	EDGE OF SHOULDER		EXISTING HYDRO LINE
	EXISTING EDGE OF SHOULDER		EXISTING HYDRO POLE
	BOTTOM OF DITCH		CONFLICT HYDRO POLE
	EXISTING BOTTOM OF DITCH		TEST PIT
	TREE OUTLINE		BOREHOLE

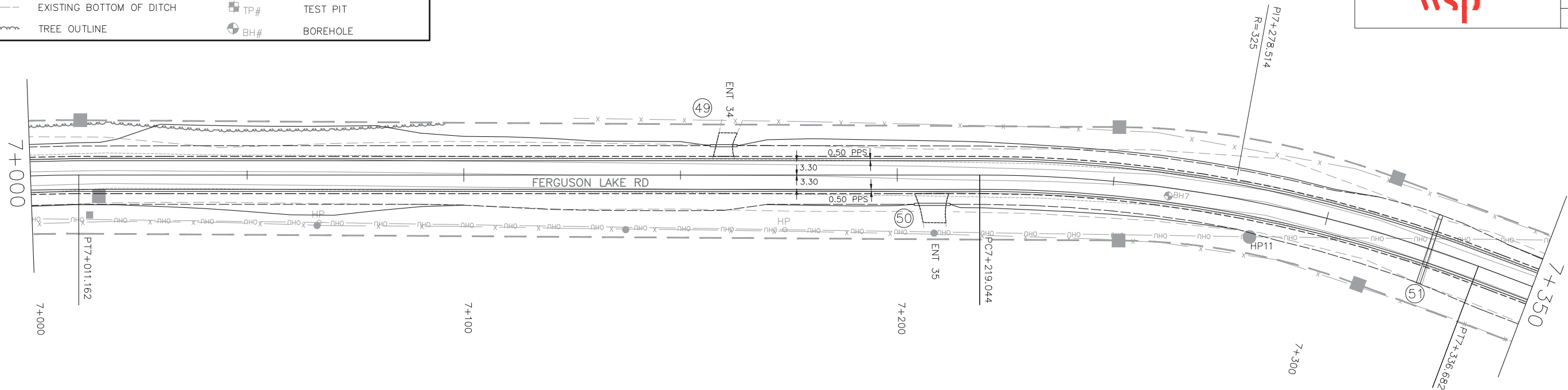
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FERGUSON LAKE ROAD
NEW CONSTRUCTION

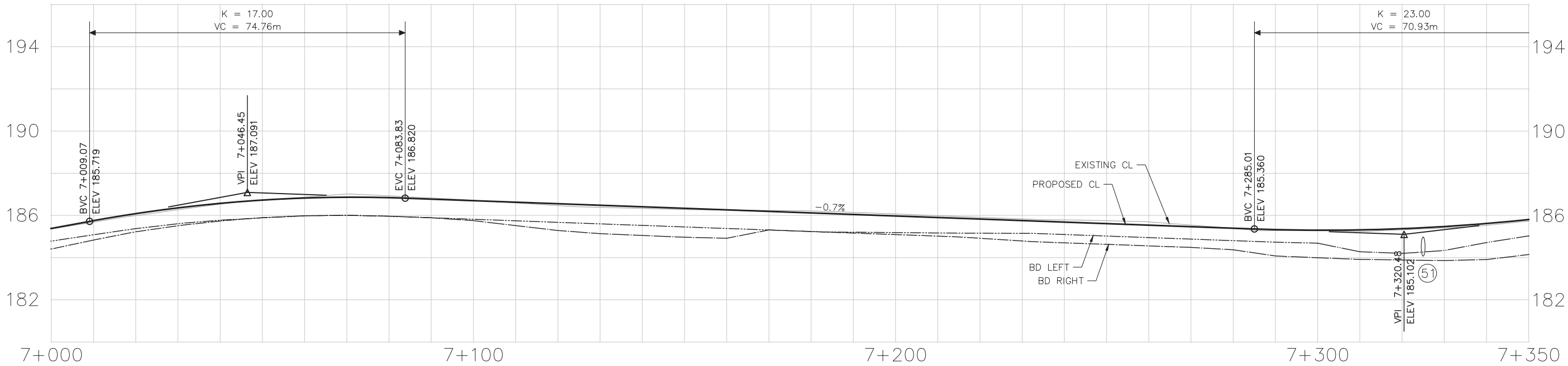
PLAN AND PROFILE
7+000 - 7+350



SHEET
12



SCALE



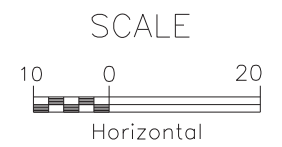
SCALE

	NEW CULVERT		EXISTING FENCE
	CULVERT NUMBER		RIGHT OF WAY
	EDGE OF SHOULDER		EXISTING HYDRO LINE
	EXISTING EDGE OF SHOULDER		EXISTING HYDRO POLE
	BOTTOM OF DITCH		CONFLICT HYDRO POLE
	EXISTING BOTTOM OF DITCH		TEST PIT
	TREE OUTLINE		BOREHOLE

FERGUSON LAKE ROAD
NEW CONSTRUCTION

PLAN AND PROFILE
7+350 - 7+700

SHEET
13



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DRAWN BY: Howe, Jordan

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MINISTRY OF TRANSPORTATION, ONTARIO
PR-D-707 88-05

LEGEND

	NEW CUVLERT		EXISTING FENCE
	CULVERT NUMBER		RIGHT OF WAY
	EDGE OF SHOULDER		EXISTING HYDRO LINE
	EXISTING EDGE OF SHOULDER		EXISTING HYDRO POLE
	BOTTOM OF DITCH		CONFLICT HYDRO POLE
	EXISTING BOTTOM OF DITCH		TEST PIT
	TREE OUTLINE		BOREHOLE

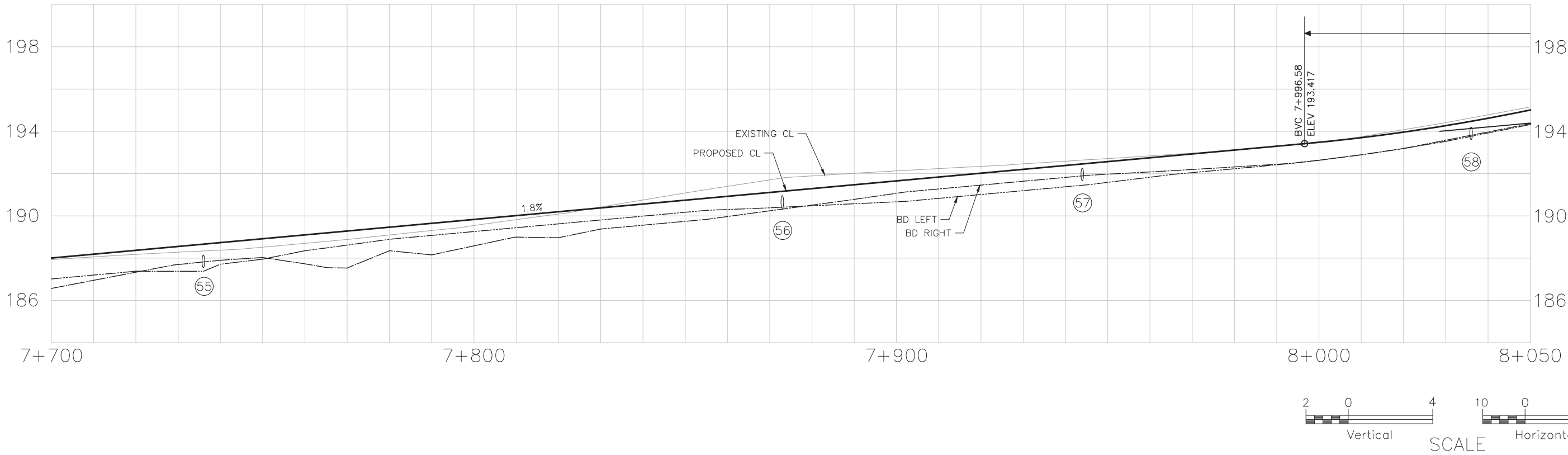
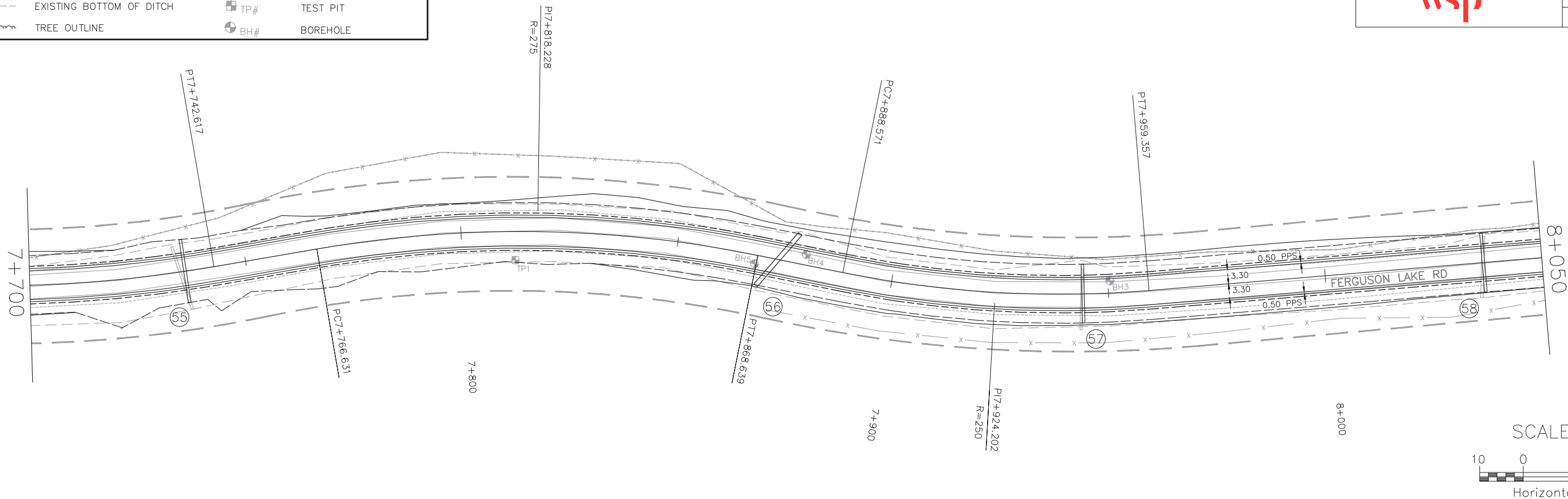
METRIC

FERGUSON LAKE ROAD
NEW CONSTRUCTION

PLAN AND PROFILE
7+700 - 8+050



SHEET
14



DRAWN LOCATION: C:\USERS\JORDAN.HOWE\DOCUMENTS\FERGUSON LAKE ROAD\CAD
DRAWING NAME: DESIGN.DWG
DRAWN BY: Howe, Jordan

MODIFIED: 6/8/2021 11:53 AM PLOTTED: 6/9/2021 12:10 PM

PR-D-707 88-05
MINISTRY OF TRANSPORTATION, ONTARIO

LEGEND

	NEW CUVLERT		EXISTING FENCE
	CULVERT NUMBER		RIGHT OF WAY
	EDGE OF SHOULDER		EXISTING HYDRO LINE
	EXISTING EDGE OF SHOULDER		EXISTING HYDRO POLE
	BOTTOM OF DITCH		CONFLICT HYDRO POLE
	EXISTING BOTTOM OF DITCH		TEST PIT
	TREE OUTLINE		BOREHOLE

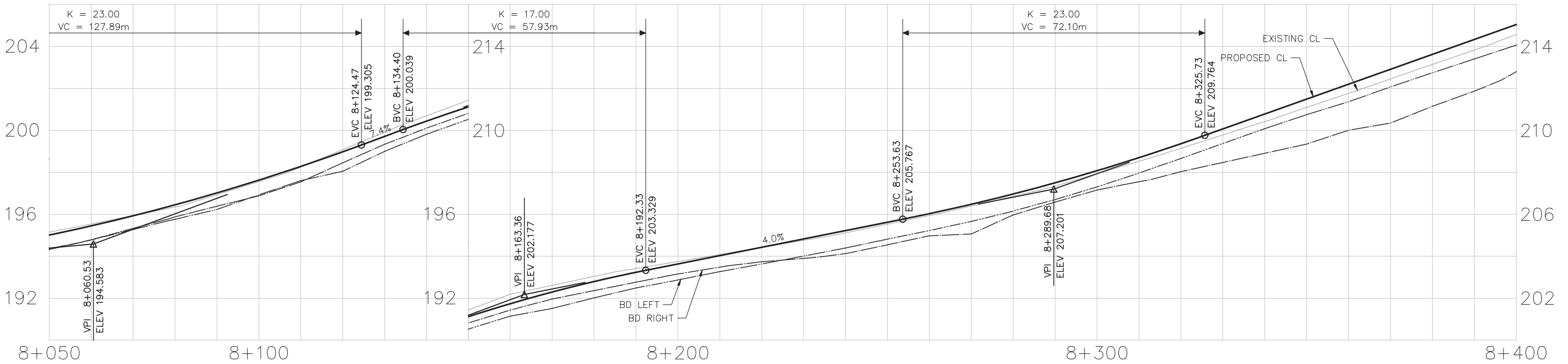
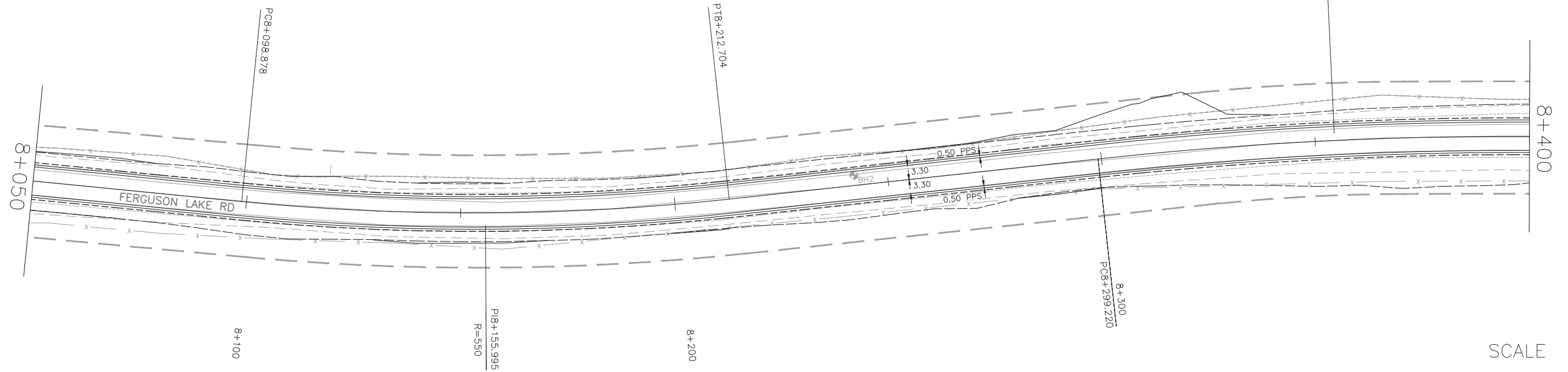
METRIC

FERGUSON LAKE ROAD
NEW CONSTRUCTION

PLAN AND PROFILE
8+050 - 8+400



SHEET
15



LEGEND

	NEW CUVLERT		EXISTING FENCE
	CULVERT NUMBER		RIGHT OF WAY
	EDGE OF SHOULDER		EXISTING HYDRO LINE
	EXISTING EDGE OF SHOULDER		EXISTING HYDRO POLE
	BOTTOM OF DITCH		CONFLICT HYDRO POLE
	EXISTING BOTTOM OF DITCH		TEST PIT
	TREE OUTLINE		BOREHOLE

METRIC

FERGUSON LAKE ROAD
NEW CONSTRUCTION

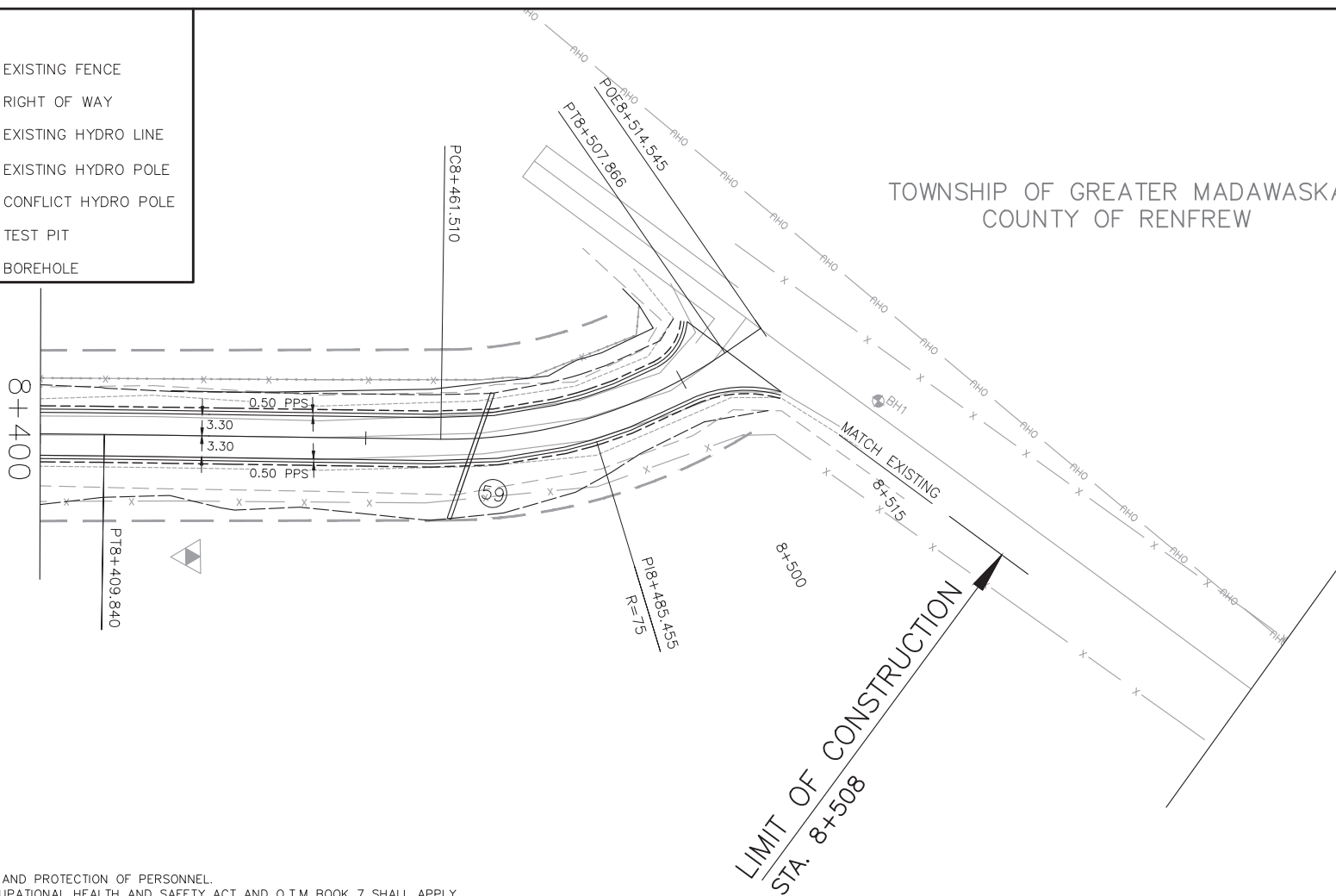


PLAN AND PROFILE
8+400 - 8+508

SHEET
16



TOWNSHIP OF GREATER MADAWASKA
COUNTY OF RENFREW



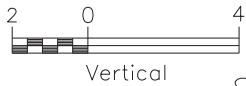
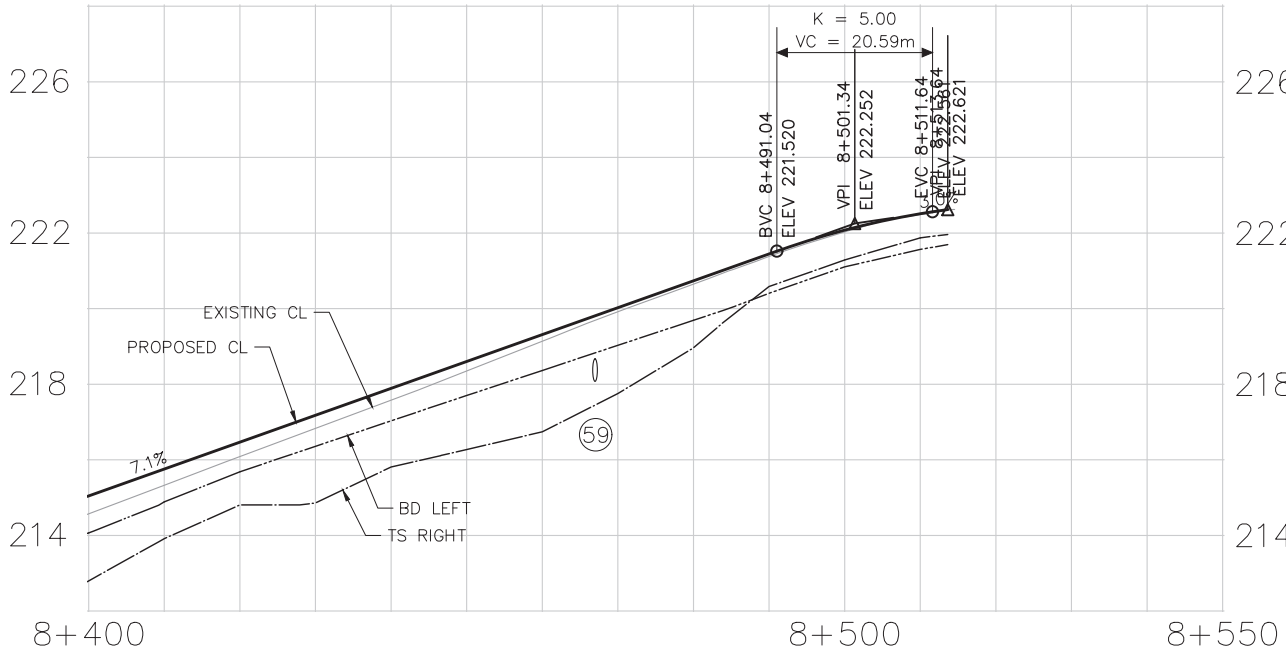
NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE STABILITY OF THE ROADWAY AND PROTECTION OF PERSONNEL.
2. ALL PROVINCIAL SPECIFICATIONS AND REGULATIONS INCLUDING THE ONTARIO OCCUPATIONAL HEALTH AND SAFETY ACT AND O.T.M BOOK 7 SHALL APPLY.
3. CONTRACTOR SHALL LIMIT DISTURBED AREAS TO THE MINIMUM REQUIRED TO COMPLETE THE WORK.
4. ALL DISTURBED AREAS OUTSIDE THE EDGE OF SHOULDER ARE TO BE RESTORED WITH 50mm TOPSOIL, SEED & MULCH UNLESS SPECIFIED ELSEWHERE.
5. ALL WORK SHALL BE COMPLETED WITHIN THE ROW LIMITS.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATE AND PROTECTION OF ANY AND ALL UTILITIES WITHIN THE LIMIT OF CONSTRUCTION.
7. ACCESS TO SIDE ROADS TO BE MAINTAINED AND FLAGGED DURING CONSTRUCTION.

SCALE

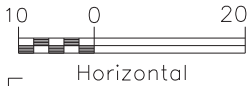


Horizontal



Vertical

SCALE



Horizontal

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DRAWN BY: Howe, Jordan

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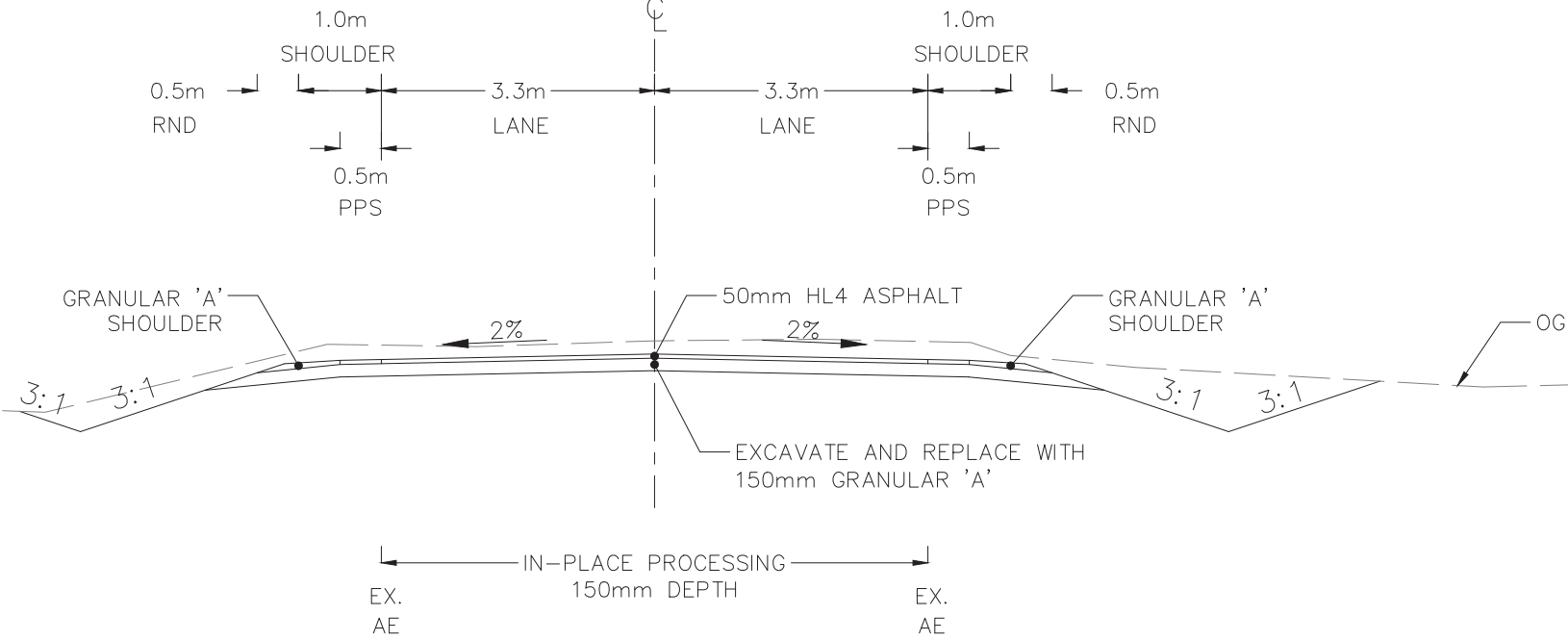
MINISTRY OF TRANSPORTATION, ONTARIO
PR-D-707 88-05

METRIC

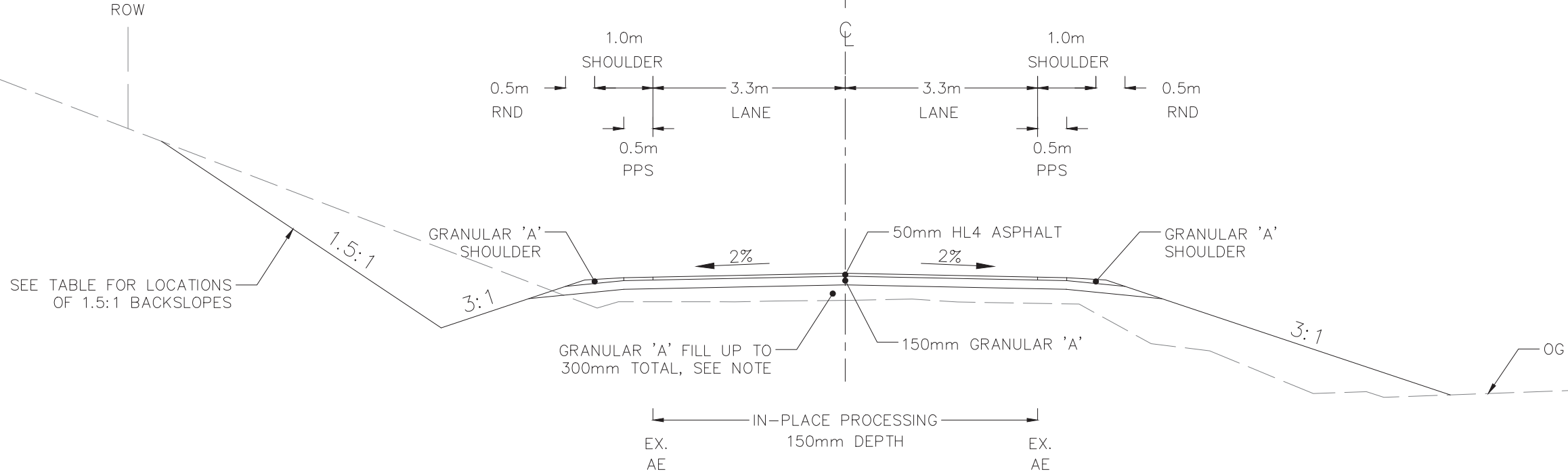
FERGUSON LAKE ROAD
TYPICALS AND DETAILS

TYPICALS

SHEET
17



TYPICAL SECTION - CUT
STATION 2+830 - 4+865, 5+986 - 8+508



TYPICAL SECTION - FILL
STATION 2+830 - 4+865, 5+986 - 8+508

NOTE: FOR FILL DEPTHS GREATER THAN 300mm, APPLY
150mm OF GRANULAR 'A' OVER GRANULAR 'B' TYPE I

N.T.S.

DRAWN LOCATION: C:\USERS\JORDAN.HOWE\DOCUMENTS\FERGUSON LAKE ROAD\CAD
DRAWING NAME: TYPICALS.DWG
DRAWN BY: Howe, Jordan

MODIFIED: 1/28/2021 10:31 AM PLOTTED: 6/9/2021 12:11 PM

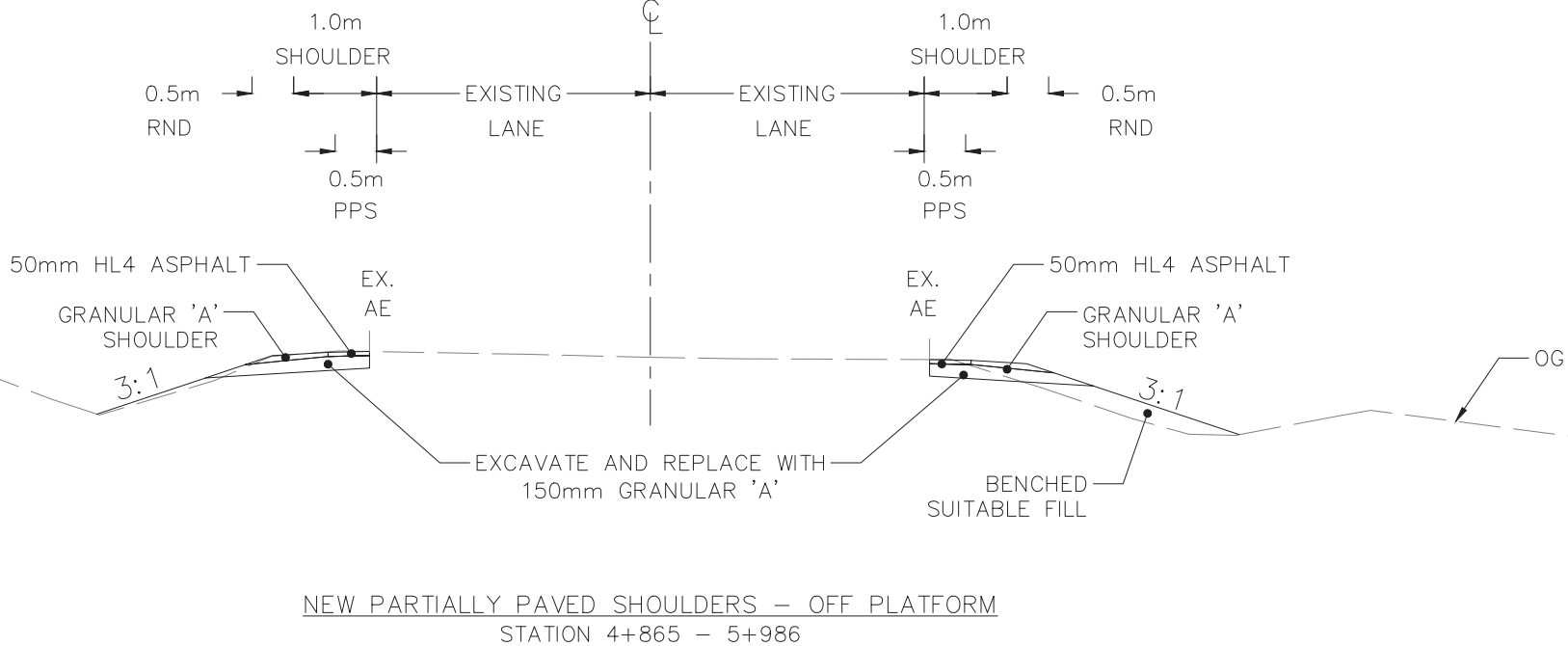
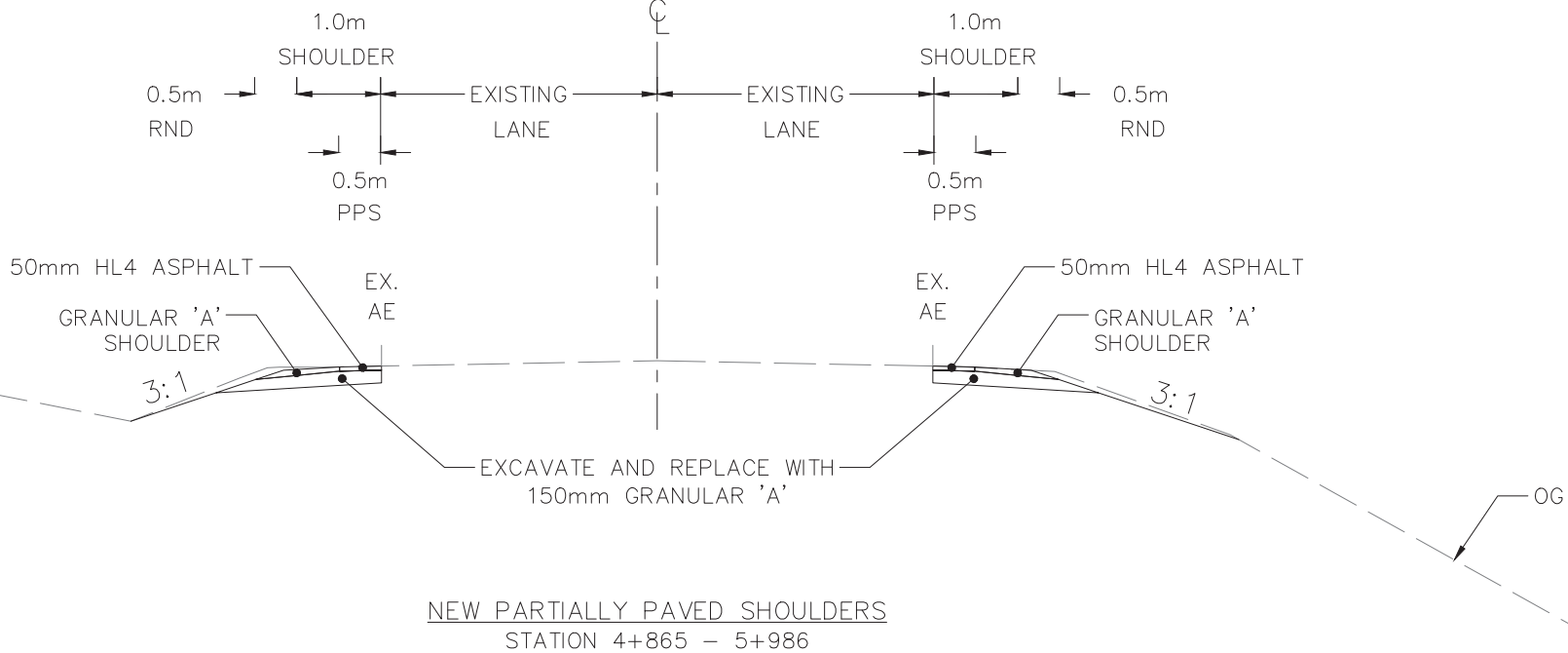
MINISTRY OF TRANSPORTATION, ONTARIO
PR-D-707 88-05

METRIC

FERGUSON LAKE ROAD
TYPICALS AND DETAILS

TYPICALS

SHEET
18



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DRAWING NAME: TYPICALS.DWG
DRAWN BY: Howe, Jordan

MODIFIED: 1/28/2021 10:31 AM PLOTTED: 6/9/2021 12:11 PM

MINISTRY OF TRANSPORTATION, ONTARIO

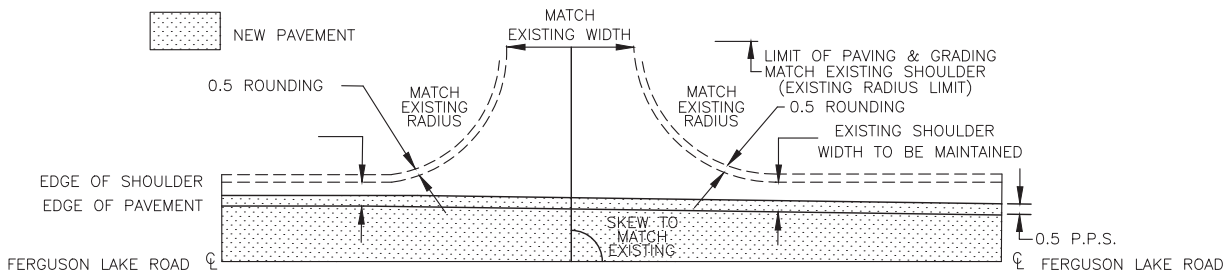
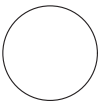
PR-D-707 88-05

METRIC

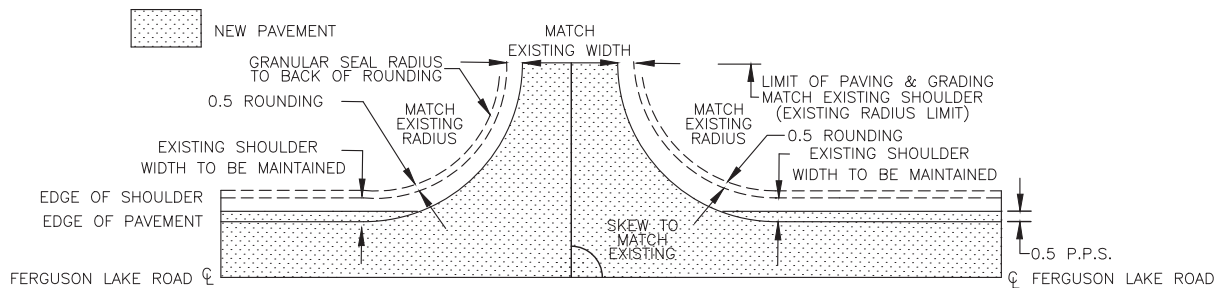
FERGUSON LAKE ROAD
TYPICALS AND DETAILS

DETAILS

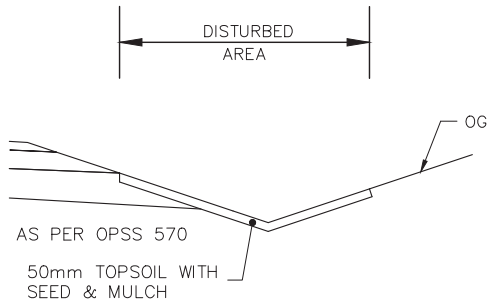
SHEET
19



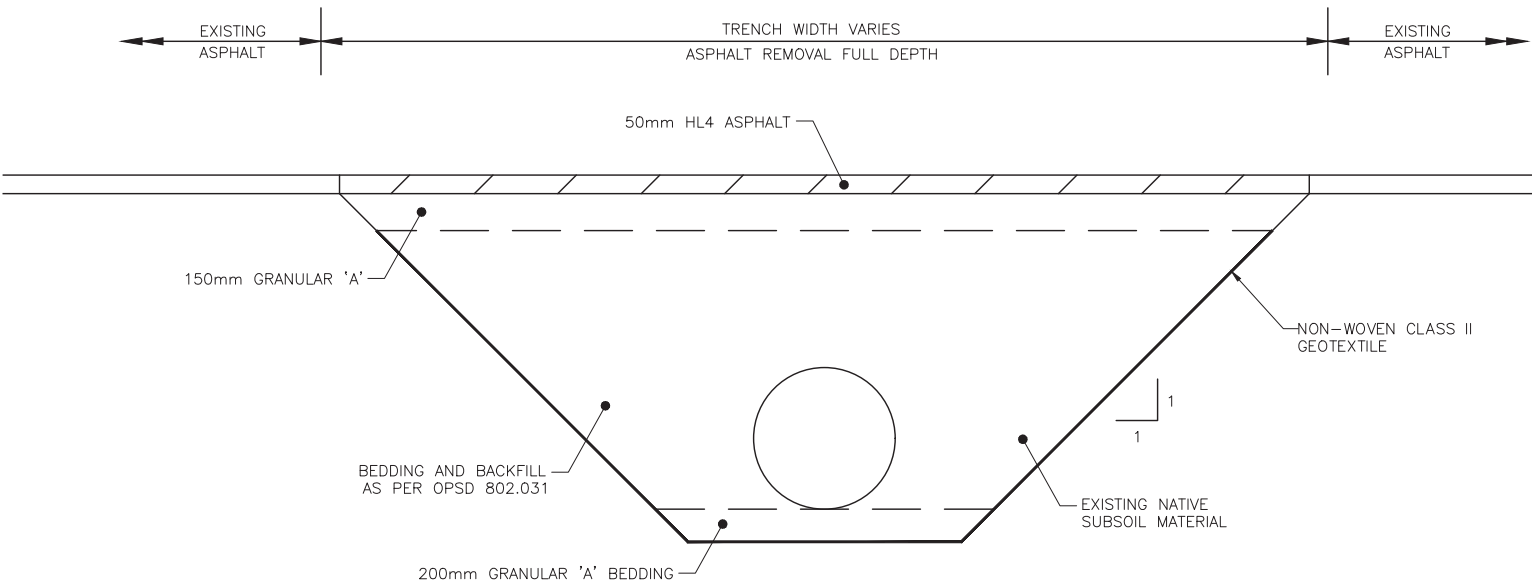
GRANULAR SIDEROAD TREATMENT



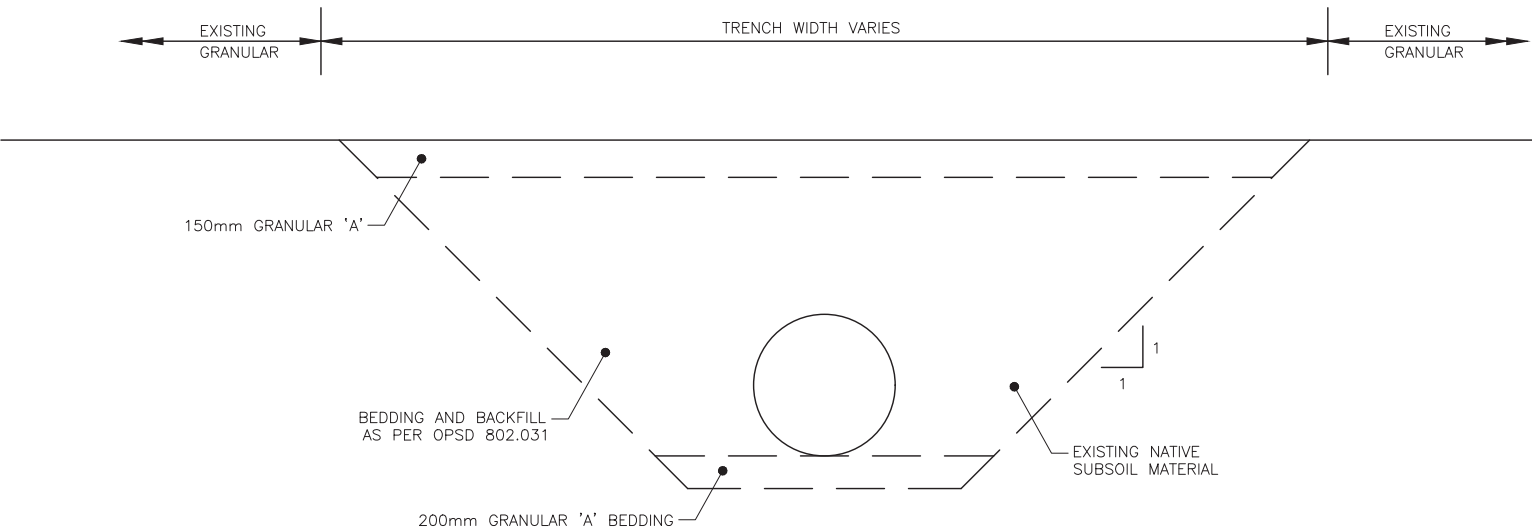
SIDEROAD TREATMENT



TOPSOIL / SEED & MULCH DETAIL



TYPICAL TRENCH REINSTATEMENT



TYPICAL SIDEROAD TRENCH REINSTATEMENT

NOTE: FROST TAPERS TO BE CONSTRUCTED AS DETAILED ELSEWHERE

N.T.S.