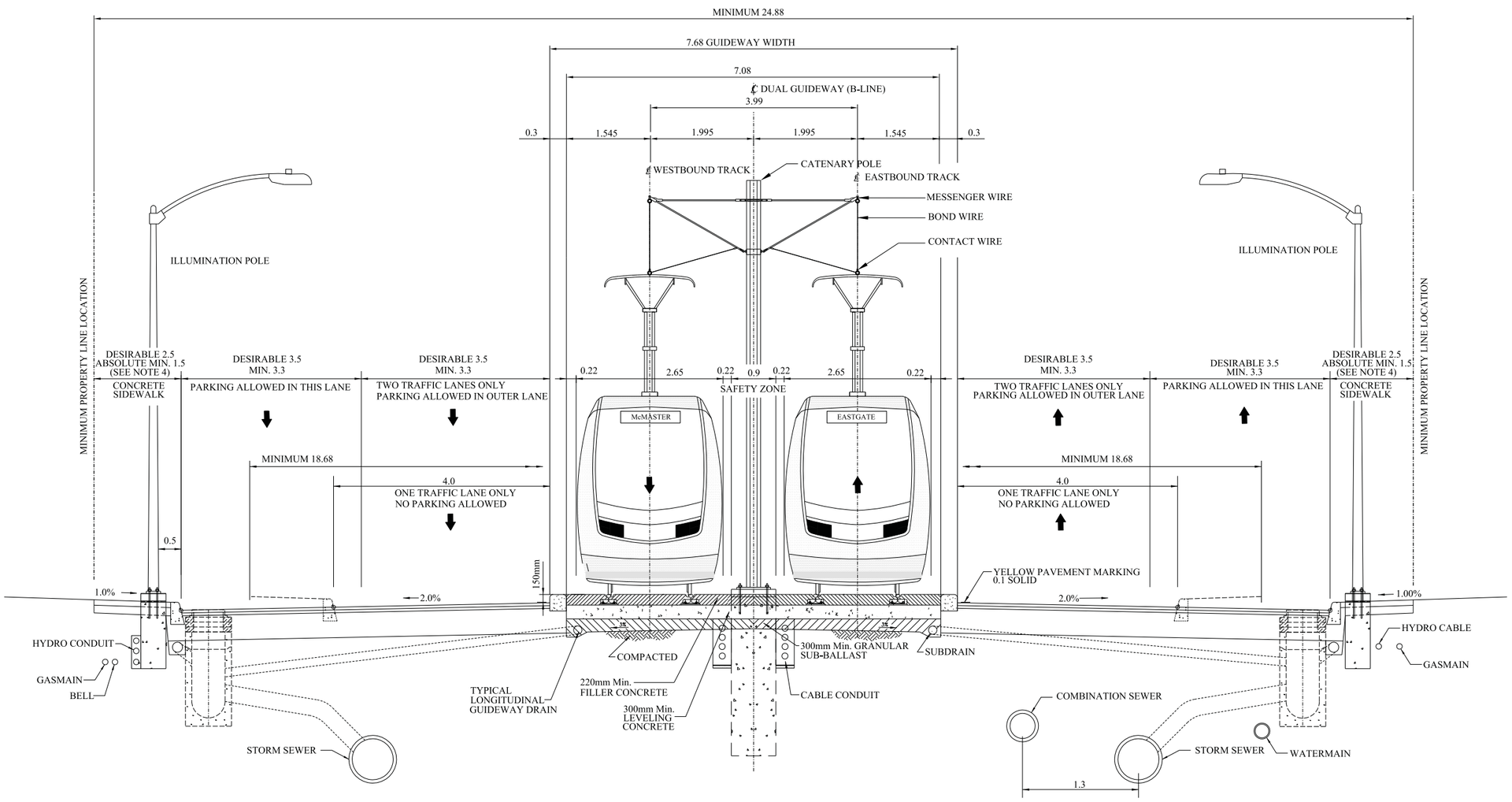
Appendix A.3
Typical Cross-Sections

TYPICAL SECTION 001

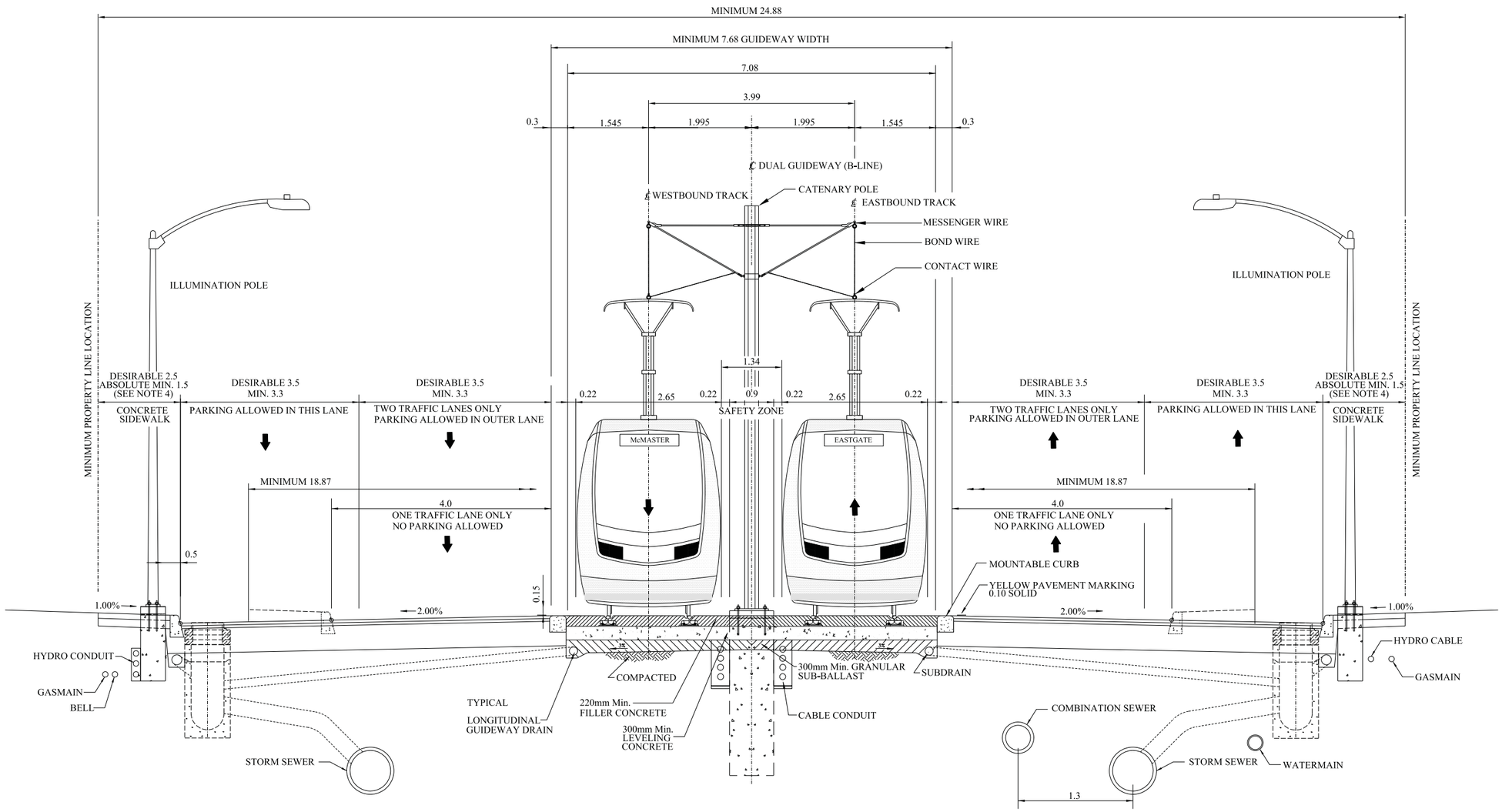


TANGENT TRACK
TYPICAL DUAL GUIDEWAY CROSS - SECTION
GUIDEWAY IN CENTRE WITH CENTRAL CATENARY SUPPORT
TRACK CENTRES 3.99 m

NOTES:

1. LOCATION OF CABLE CONDUITS FOR LRT TO BE DETERMINED.
2. HEIGHT OF CATENARY SUPPORT POLES TO BE DETERMINED.
3. LOCATIONS AND DEPTHS OF UTILITIES SHOWN ARE TYPICAL /INDICATIVE ONLY.
4. WHERE SIDEWALK IS MODIFIED, A DESIRABLE WIDTH OF 2.5m, MINIMUM WIDTH OF 2m, AND ABSOLUTE MINIMUM WIDTH OF 1.5m WILL BE MAINTAINED.

TYPICAL SECTION 002

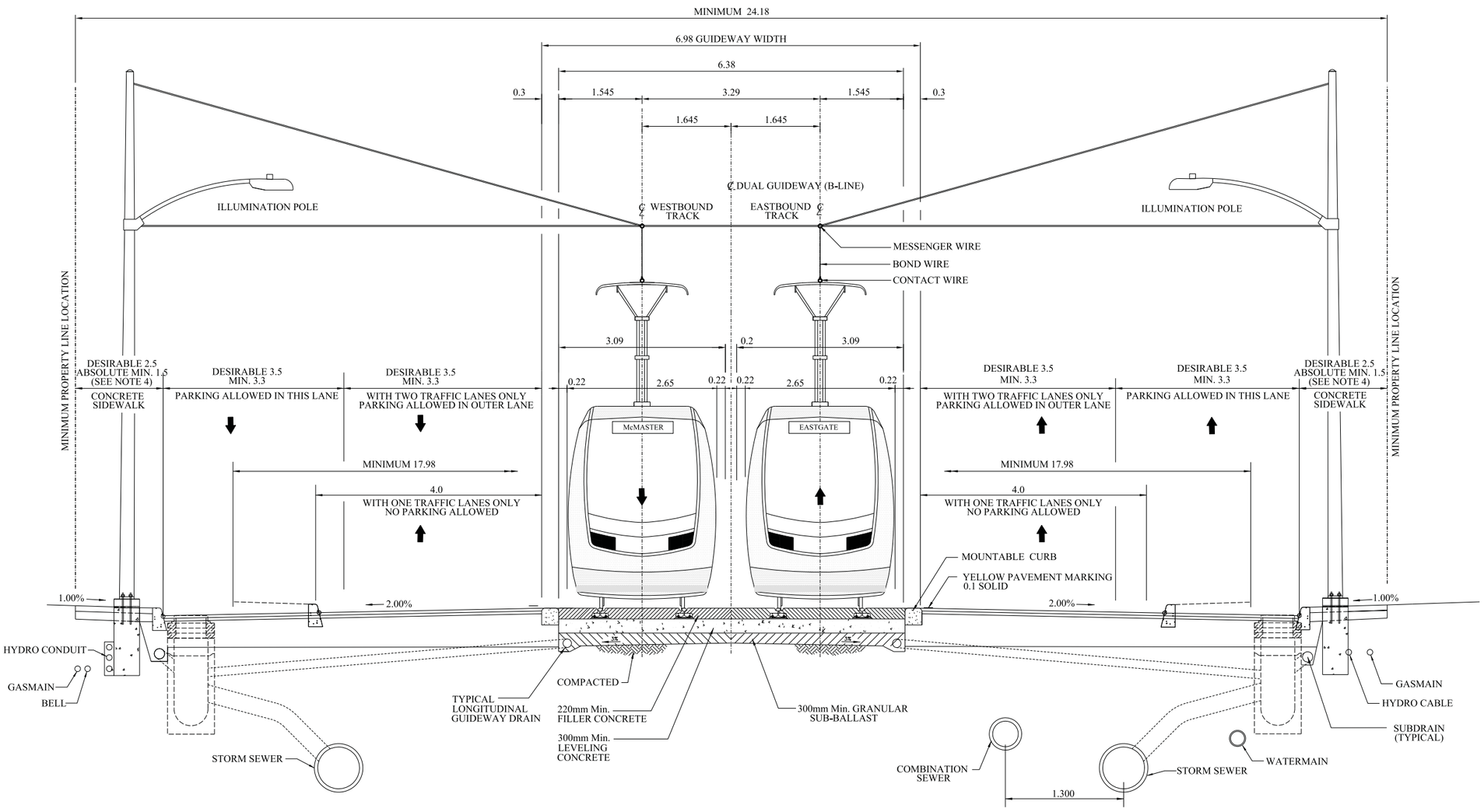


TANGENT TRACK
TYPICAL DUAL GUIDEWAY CROSS - SECTION
GUIDEWAY IN CENTRE WITH CENTRAL CATENARY SUPPORT
TRACK CENTRES 3.99 m
MOUNTABLE GUIDEWAY AT INTERSECTIONS

NOTES:

1. LOCATION OF CABLE CONDUITS FOR LRT TO BE DETERMINED.
2. HEIGHT OF CATENARY SUPPORT POLES TO BE DETERMINED.
3. LOCATIONS AND DEPTHS OF UTILITIES SHOWN ARE TYPICAL /INDICATIVE ONLY.
4. WHERE SIDEWALK IS MODIFIED, A DESIRABLE WIDTH OF 2.5m, MINIMUM WIDTH OF 2m, AND ABSOLUTE MINIMUM WIDTH OF 1.5m WILL BE MAINTAINED.

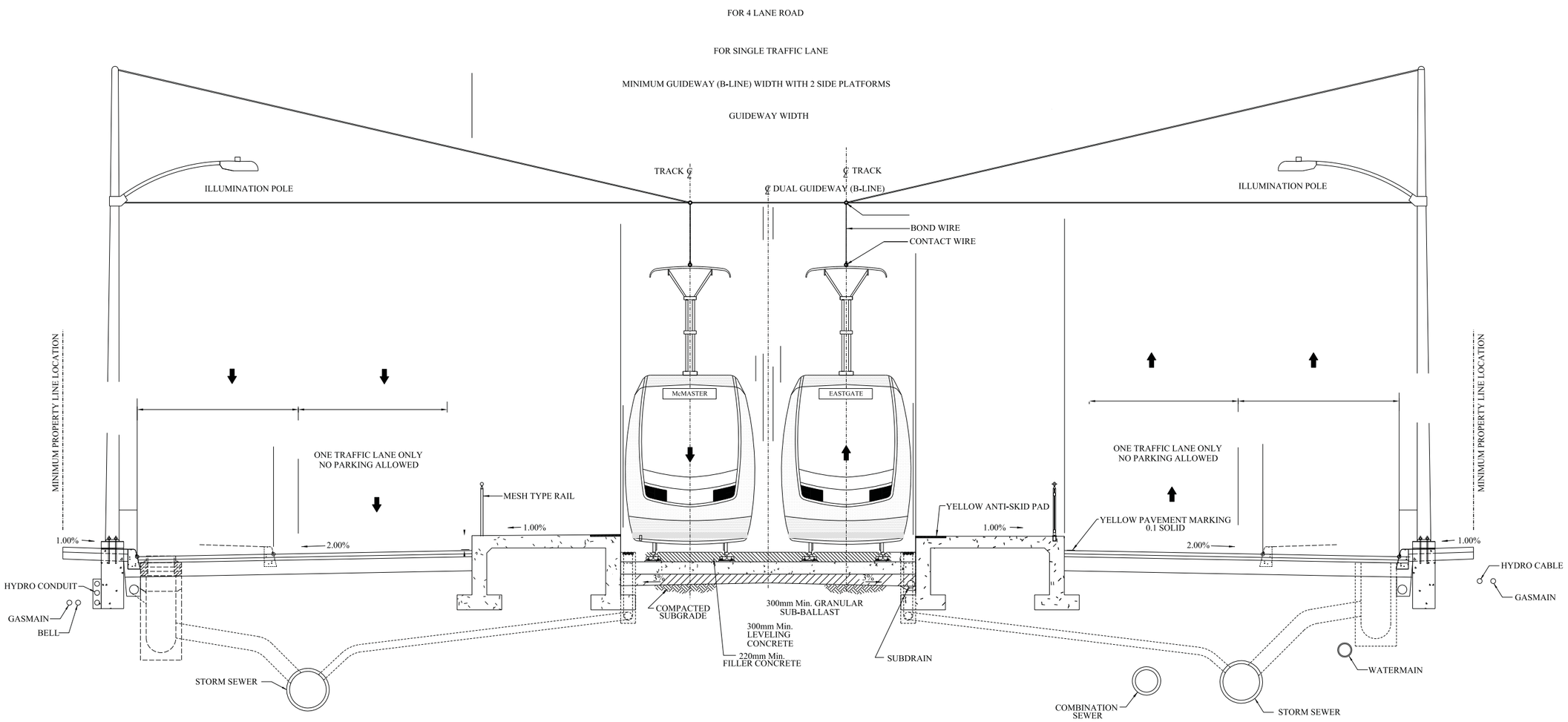
TYPICAL SECTION 003



TANGENT TRACK
TYPICAL DUAL GUIDEWAY CROSS - SECTION
GUIDEWAY IN CENTRE WITH SIDE CATENARY SUPPORT
TRACK CENTRES 3.29 m

NOTES:

1. LOCATION OF CABLE CONDUITS FOR LRT TO BE DETERMINED.
2. HEIGHT OF CATENARY SUPPORT POLES TO BE DETERMINED.
3. LOCATIONS AND DEPTHS OF UTILITIES SHOWN ARE TYPICAL /INDICATIVE ONLY.
4. WHERE SIDEWALK IS MODIFIED, A DESIRABLE WIDTH OF 2.5m, MINIMUM WIDTH OF 2m, AND ABSOLUTE MINIMUM WIDTH OF 1.5m WILL BE MAINTAINED.

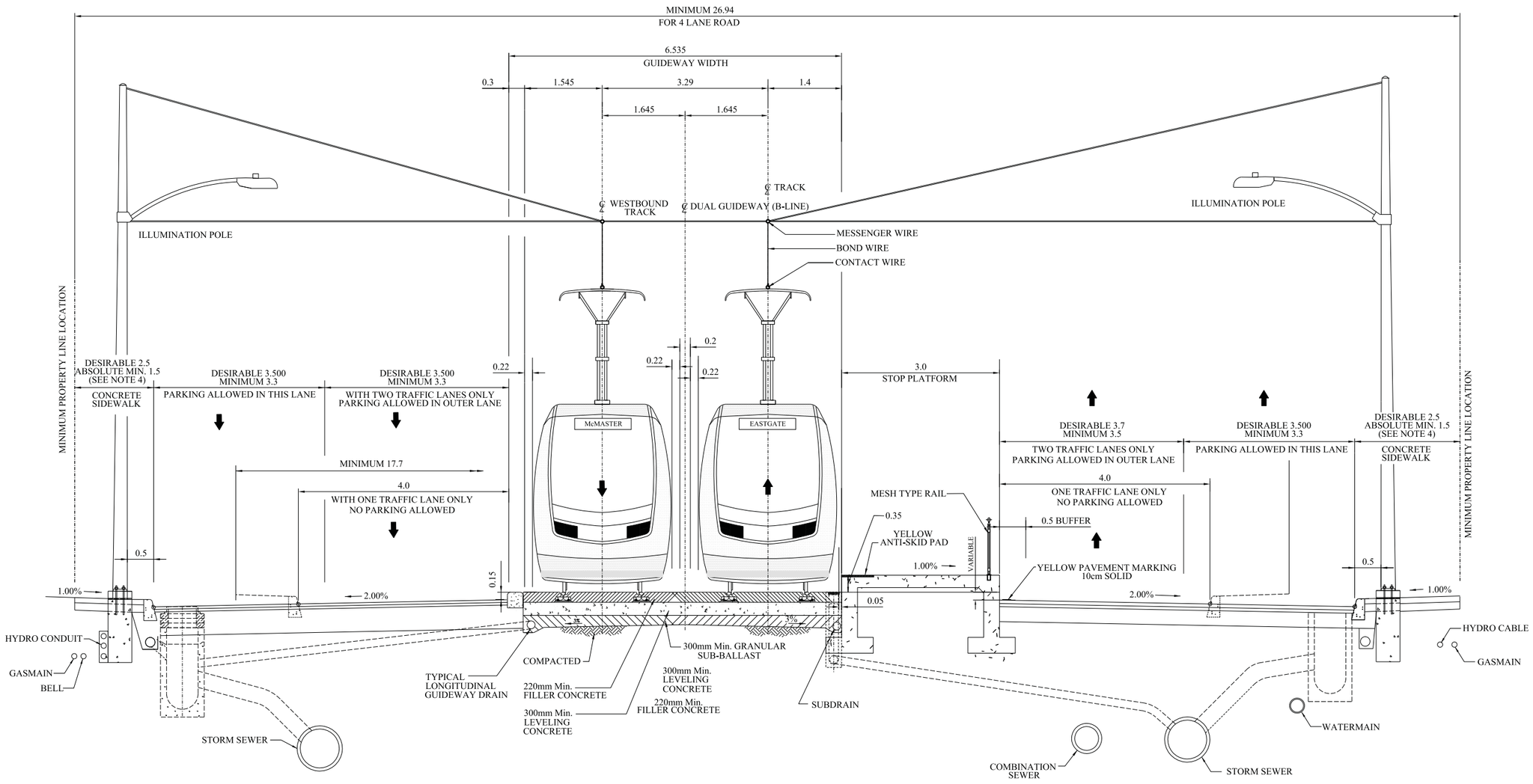


TYPICAL DUAL GUIDEWAY CROSS - SECTION

WITHOUT CENTRAL POLE CATENARY SUPPORT

3. LOCATIONS AND DEPTHS OF UTILITIES SHOWN ARE TYPICAL /INDICATIVE ONLY.
4. WHERE SIDEWALK IS MODIFIED, A DESIRABLE WIDTH OF 2.5m, MINIMUM WIDTH OF 2m, AND ABSOLUTE MINIMUM WIDTH OF 1.5m WILL BE MAINTAINED.
5. IF REQUIRED, POLES CAN BE PLACED ON THE BACK SIDE WITHIN THE PLATFORM.

TYPICAL SECTION 006



NOTES:

1. LOCATION OF CABLE CONDUITS FOR LRT TO BE DETERMINED.
2. HEIGHT OF CATENARY SUPPORT POLES TO BE DETERMINED.
3. LOCATIONS AND DEPTHS OF UTILITIES SHOWN ARE TYPICAL /INDICATIVE ONLY.
4. WHERE SIDEWALK IS MODIFIED, A DESIRABLE WIDTH OF 2.5m, MINIMUM WIDTH OF 2m, AND ABSOLUTE MINIMUM WIDTH OF 1.5m WILL BE MAINTAINED.

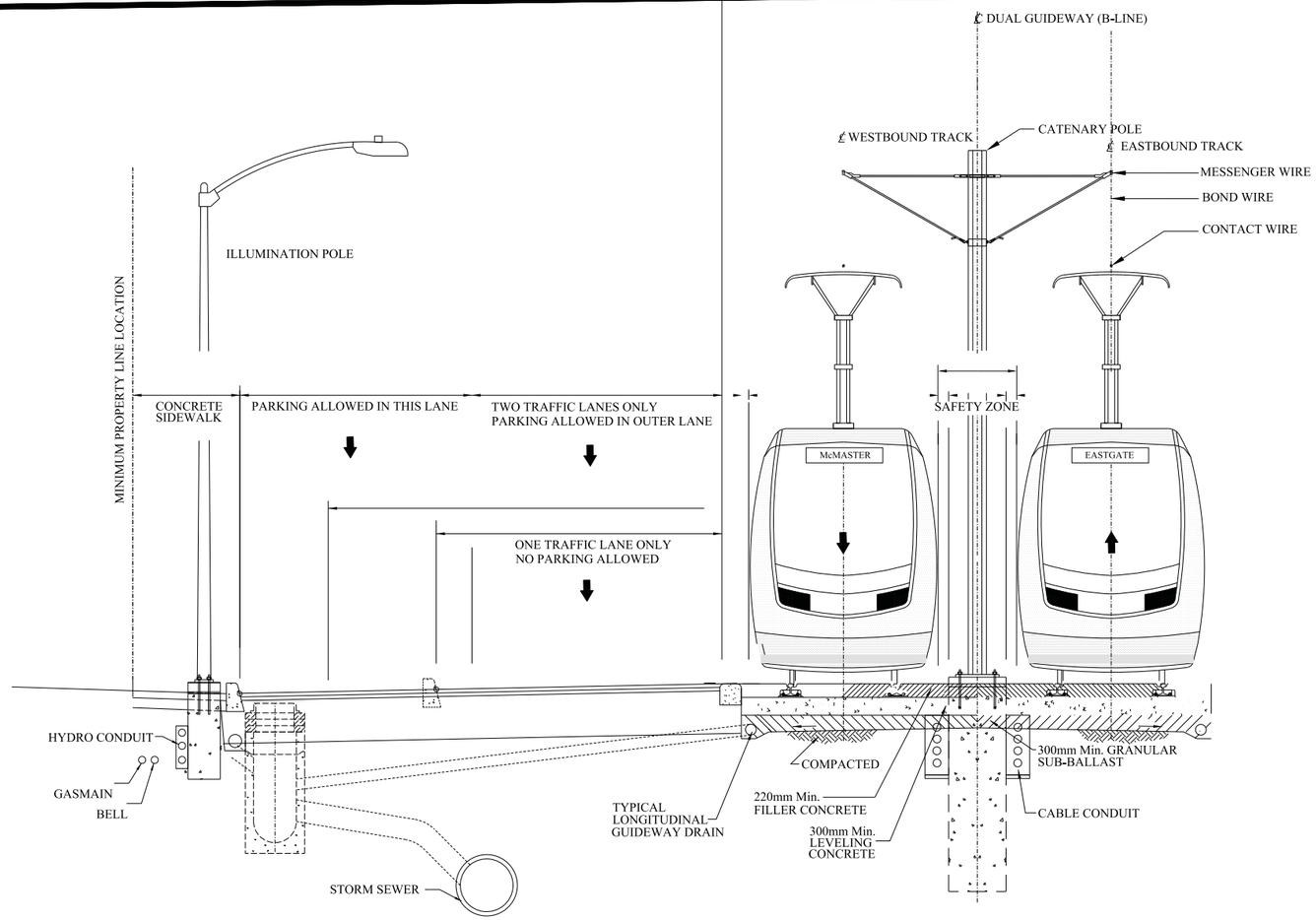
TANGENT TRACK

TYPICAL DUAL GUIDEWAY CROSS - SECTION

GUIDEWAY WITH OFFSET STOP PLATFORM IN CENTRE OF EXISTING ROADWAYS

WITH SINGLE AND/OR DOUBLE TRAFFIC LANE OPTIONS

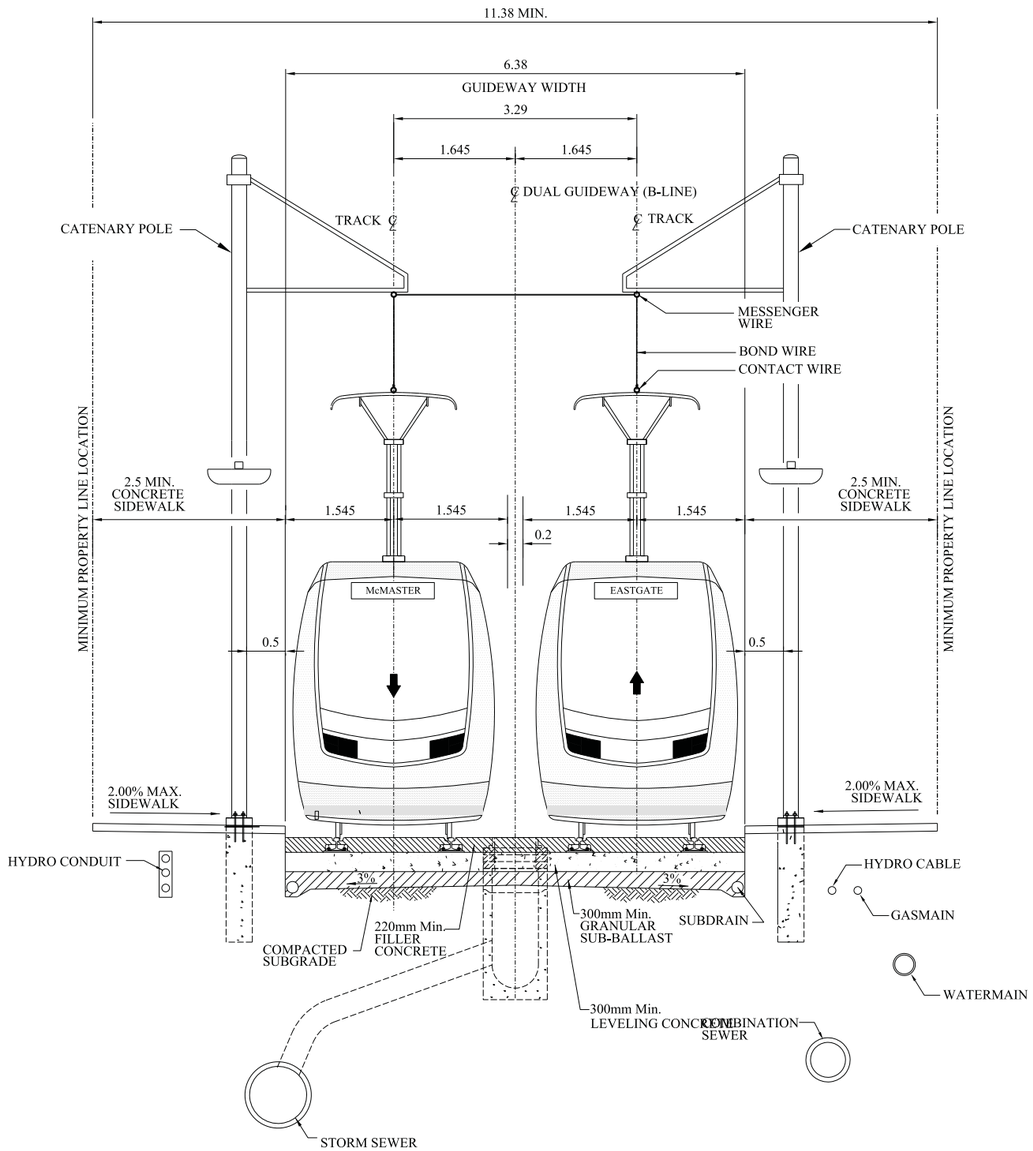
TRACK CENTRES 3.29 m



3. LOCATIONS AND DEPTHS OF UTILITIES SHOWN ARE TYPICAL /INDICATIVE ONLY.

4. WHERE SIDEWALK IS MODIFIED, A DESIRABLE WIDTH OF 2.5m, MINIMUM WIDTH OF 2m, AND ABSOLUTE MINIMUM WIDTH OF 1.5m WILL BE MAINTAINED.

TYPICAL SECTION 009



NOTES:

1. LOCATION OF CABLE CONDUITS FOR LRT TO BE DETERMINED.
2. HEIGHT OF CATENARY SUPPORT POLES TO BE DETERMINED.
3. LOCATIONS AND DEPTHS OF UTILITIES SHOWN ARE TYPICAL /INDICATIVE ONLY.
4. SPECIAL STREET LIGHTING TO BE DESIGNED.

TANGENT TRACK

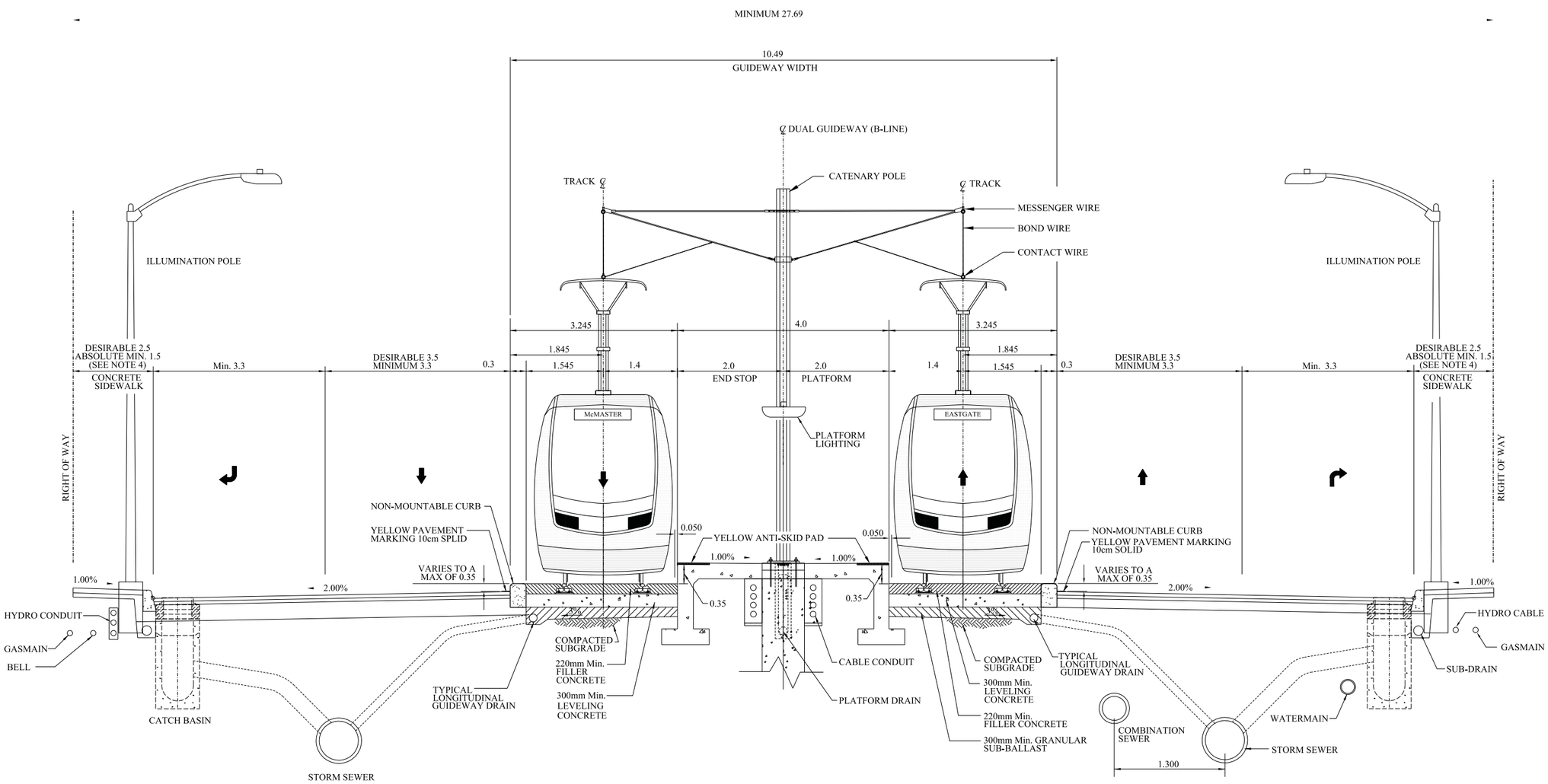
TYPICAL DUAL GUIDEWAY CROSS - SECTION

GUIDEWAY ADJACENT WITH EXISTING SIDEWALKS

WITH PEDESTRIAN TRAFFIC AND EMERGENCY VEHICLE ACCESS ON GUIDEWAY ONLY

TRACK CENTRES 3.29 m

TYPICAL SECTION 010

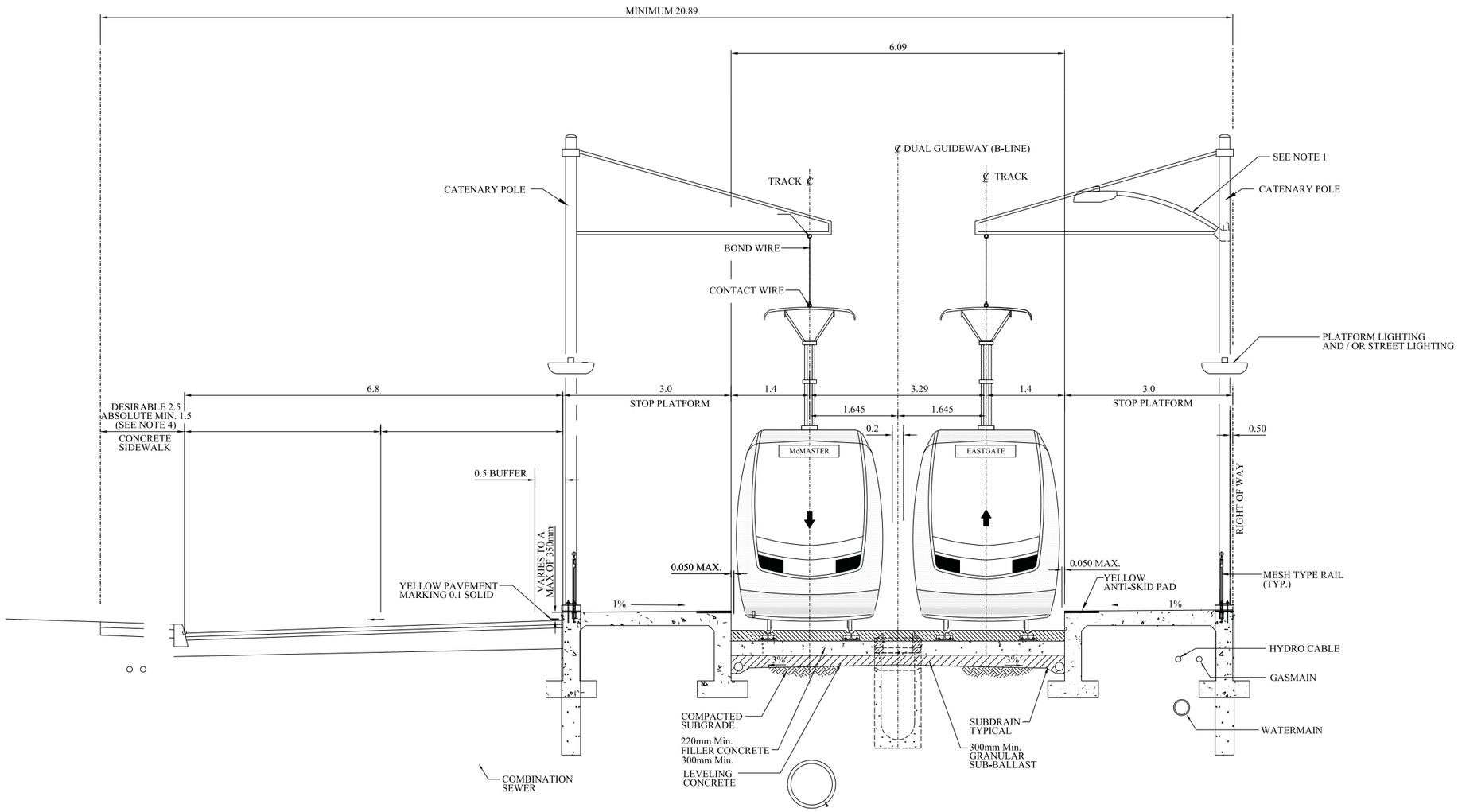


TANGENT TRACK
TYPICAL DUAL GUIDEWAY CROSS-SECTION
GUIDEWAY WITH CENTRAL PLATFORM STOP
WITH 4.000 m WIDE PLATFORM

NOTES:

1. LOCATION OF CABLE CONDUITS FOR LRT T
2. HEIGHT OF CATENARY SUPPORT POLES TO BE DETERMINED.
3. LOCATIONS AND DEPTHS OF UTILITIES SHOWN ARE TYPICAL /INDICATIVE ONLY.
4. WHERE SIDEWALK IS MODIFIED, A DESIRABLE WIDTH OF 2.5m, MINIMUM WIDTH OF 2m, AND ABSOLUTE MINIMUM WIDTH OF 1.5m WILL BE MAINTAINED.

TYPICAL SECTION 013



TANGENT TRACK
TYPICAL DUAL GUIDEWAY CROSS - SECTION
GUIDEWAY WITH PARALLEL STOP PLATFORMS CURBSIDE LOCATION ON EXISTING ROADWAYS
WITH DOUBLE AND/OR TRIPLE TRAFFIC LANE OPTIONS ON ONE SIDE ONLY
TRACK CENTRES 3.29 m

NOTES:

1. LOCATION OF CABLE CONDUITS FOR LRT TO B
2. HEIGHT OF CATENARY SUPPORT POLES TO BE DETERMINED.
3. LOCATIONS AND DEPTHS OF UTILITIES SHOWN ARE TYPICAL /INDICATIVE ONLY.
4. WHERE SIDEWALK IS MODIFIED, A DESIRABLE WIDTH OF 2.5m, MINIMUM WIDTH OF 2m, AND ABSOLUTE MINIMUM WIDTH OF 1.5m WILL BE MAINTAINED.
5. LIGHT FIXTURE AND CATENARY TO BE COMBINED ON A POLE AS MUCH AS POSSIBLE.

Appendix A.5
Traction Power Substation Locations

DIMENSIONS SHOWN ON THIS PLAN ARE IN METRES UNLESS OTHERWISE NOTED

CONTRACT No.
DRAWING No. 503795-1000-41DD-006
FILE No.

SHEET No. 6 OF 10

LEGEND:
- PROPOSED LINE "B"
- STOP LOCATION
- RANGE OF TPSS LOCATION (±200m)

LAST SAVE: 2011/10/07 – 10:19am
PATH: V:\Jared\TPSS\TPSSLocationPlanRevised.dwg

NO.	REVISIONS	INITIAL	DATE

DRAWN BY: Initials DATE:
REFERENCE MATERIAL:
Surveyed By:
Sewer Plans:
Watermain Plans:
Survey Plans:
Geodetic Bench Mark Index Elevation = 000.000
Borehole Report –

SCALES
0 20 40 60 80 100m

Project Manager (Design)
NAME
Manager of Design
NAME

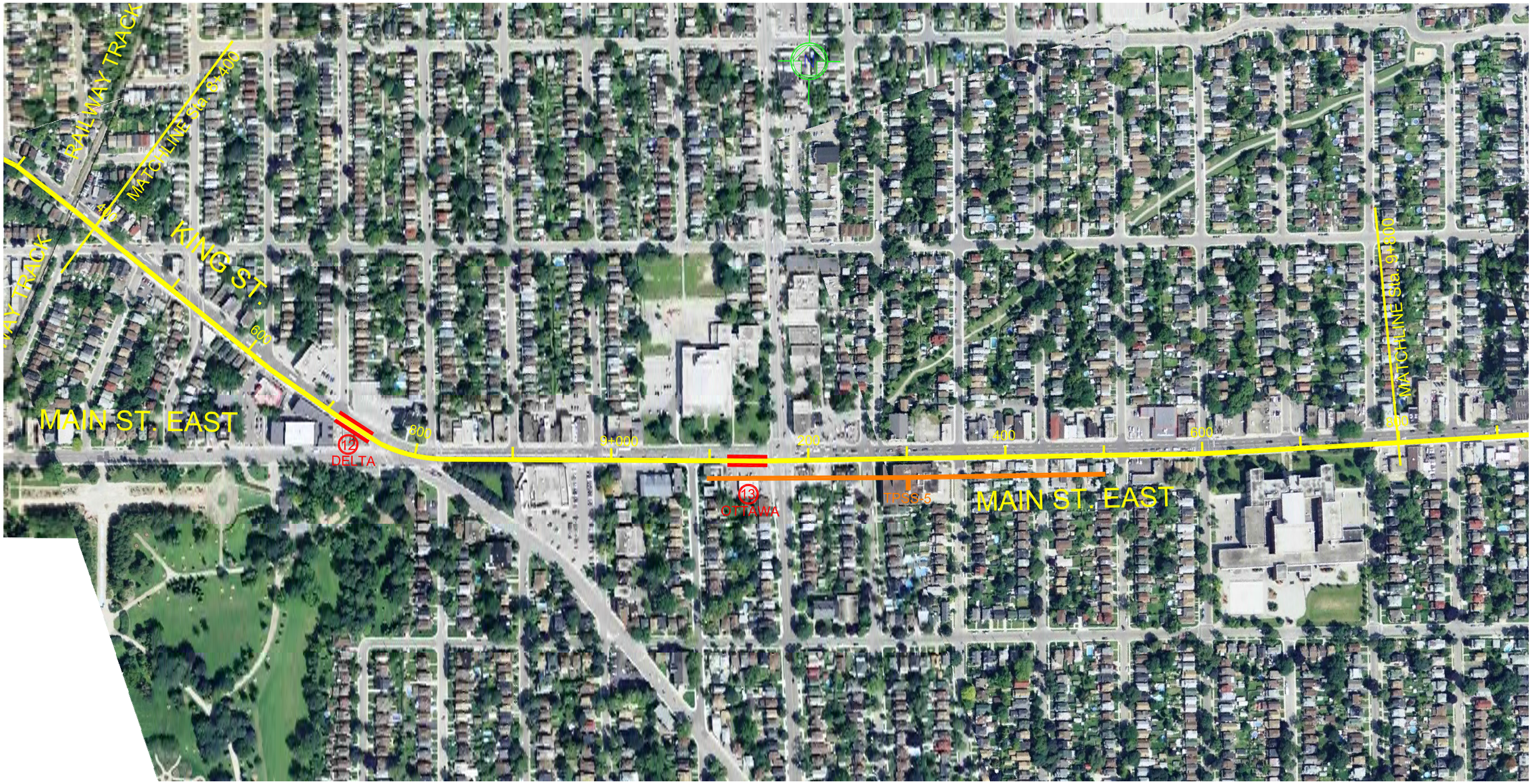
SNC·LAVALIN steer davies gleave DIALOG

DRAWN J. DUIVESTEIN
CHECKED ATI MINCHEV P.Eng.
APPROVED STEPHAN MEHR P.Eng.

Hamilton Public Works
RAPIDTransit moving HAMILTON forward
METROLINX An agency of the Government of Ontario

HAMILTON LRT 'B' LINE
KEYPLAN STA 7+000 TO 8+400
PRELIMINARY TPSS LOCATION

DIMENSIONS SHOWN ON THIS PLAN ARE IN METRES UNLESS OTHERWISE NOTED	CONTRACT No. DRAWING No. 503795-1000-41DD-007 FILE No.	SHEET No. 7 OF 10



LEGEND:
- PROPOSED LINE "B"
- STOP LOCATION
- RANGE OF TPSS LOCATION (±200m)

LAST SAVE: 2011/10/07 – 10:19am
PATH: V:\Jared\TPSS\TPSSLocationPlanRevised.dwg

NO.	REVISIONS	INITIAL	DATE

DRAWN BY: Initials DATE:
REFERENCE MATERIAL:
Surveyed By:
Sewer Plans:
Watermain Plans:
Survey Plans:
Geodetic Bench Mark Index Elevation = 000.000
Borehole Report –

SCALES
0 20 40 60 80 100m

Project Manager (Design)
NAME
Manager of Design
NAME

SNC·LAVALIN steer davies gleave DIALOG

DRAWN J. DUIVESTEIN
CHECKED ATI MINCHEV P.Eng.
APPROVED STEPHAN MEHR P.Eng.

Hamilton Public Works
RAPIDTransit moving HAMILTON forward
METROLINX An agency of the Government of Ontario

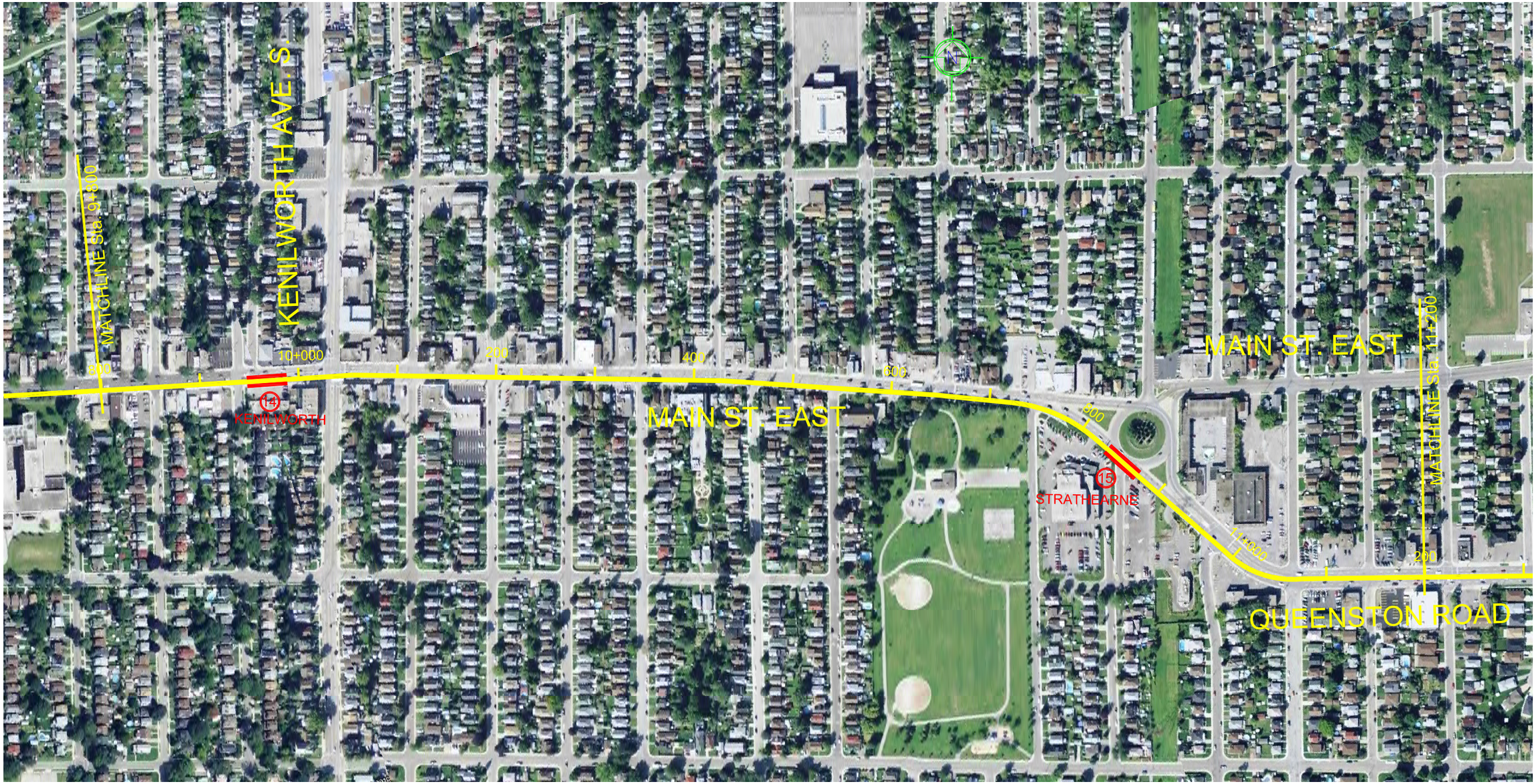
HAMILTON LRT 'B' LINE

KEYPLAN STA 8+400 TO 9+800
PRELIMINARY TPSS LOCATION

DIMENSIONS SHOWN ON THIS PLAN ARE IN METRES UNLESS OTHERWISE NOTED

CONTRACT No.
DRAWING No. 503795-1000-4IDD-008
FILE No.

SHEET No. 8 OF 10



LEGEND:

- PROPOSED LINE "B"
- STOP LOCATION
- RANGE OF TPSS LOCATION (±200m)

LAST SAVE: 2011/10/07 – 10:20am
PATH: V:\Jared\TPSS\TPSSLocationPlanRevised.dwg

NO.	REVISIONS	INITIAL	DATE

DRAWN BY: Initials DATE:
REFERENCE MATERIAL:
Surveyed By:
Sewer Plans:
Watermain Plans:
Survey Plans:
Geodetic Bench Mark Index Elevation = 000.000
Borehole Report –

SCALES
0 20 40 60 80 100m

Project Manager (Design)
NAME
Manager of Design
NAME

SNC·LAVALIN steer davies gleave DIALOG

DRAWN J. DUIVESTEIN
CHECKED ATI MINCHEV P.Eng.
APPROVED STEPHAN MEHR P.Eng.

Hamilton Public Works
RAPIDTransit moving HAMILTON forward
METROLINX An agency of the Government of Ontario

HAMILTON LRT 'B' LINE
KEYPLAN STA 9+800 TO 11+200
PRELIMINARY TPSS LOCATION

DIMENSIONS SHOWN ON THIS PLAN ARE IN METRES UNLESS OTHERWISE NOTED

CONTRACT No.
DRAWING No. 503795-1000-4IDD-009
FILE No.

SHEET No. 9 OF 10

LEGEND:
- PROPOSED LINE "B"
- STOP LOCATION
- RANGE OF TPSS LOCATION (±200m)

LAST SAVE: 2011/10/07 – 10:23am
PATH: V:\Jared\TPSS\TPSSLocationPlanRevised.dwg

NO.	REVISIONS	INITIAL	DATE

DRAWN BY: Initials DATE:
REFERENCE MATERIAL:
Surveyed By:
Sewer Plans:
Watermain Plans:
Survey Plans:
Geodetic Bench Mark Index Elevation = 000.000
Borehole Report –

SCALES
0 20 40 60 80 100m

Project Manager (Design)
NAME
Manager of Design
NAME

SNC·LAVALIN steer davies gleave DIALOG

DRAWN J. DUIVESTEIN
CHECKED ATI MINCHEV P.Eng.
APPROVED STEPHAN MEHR P.Eng.

Hamilton Public Works
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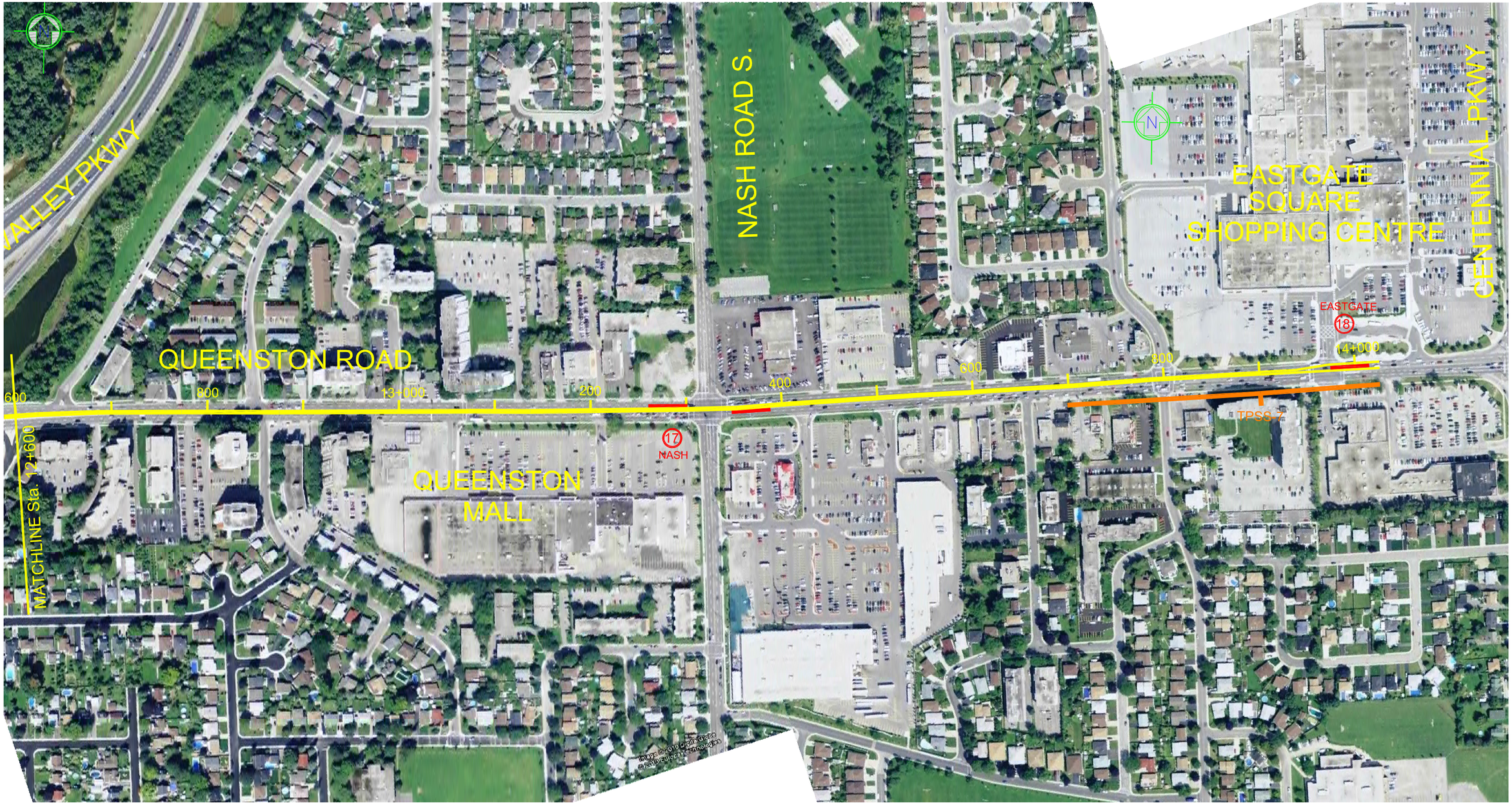
HAMILTON LRT 'B' LINE

KEYPLAN STA 11+200 TO 12+600
PRELIMINARY TPSS LOCATION

DIMENSIONS SHOWN ON THIS PLAN ARE IN METRES UNLESS OTHERWISE NOTED

CONTRACT No.
DRAWING No. 503795-1000-41DD-010
FILE No.

SHEET No. 10 OF 10



LEGEND:
- PROPOSED LINE "B"
- STOP LOCATION
- RANGE OF TPSS LOCATION (±200m)

NO.	REVISIONS	INITIAL	DATE

DRAWN BY: Initials DATE:
REFERENCE MATERIAL:
Surveyed By:
Sewer Plans:
Watermain Plans:
Survey Plans:
Geodetic Bench Mark Index Elevation = 000.000
Borehole Report –

SCALES
0 20 40 60 80 100m

Project Manager (Design)
NAME
Manager of Design
NAME

SNC·LAVALIN steer davies gleave DIALOG

DRAWN J. DUIVESTEIN
CHECKED ATI MINCHEV P.Eng.
APPROVED STEPHAN MEHR P.Eng.

Hamilton Public Works
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HAMILTON LRT 'B' LINE

KEYPLAN STA 12+600 TO 14+000
PRELIMINARY TPSS LOCATION

LAST SAVE: 2011/10/07 – 10:24am
PATH: V:\Jared\TPSS\TPSSLocationPlanRevised.dwg