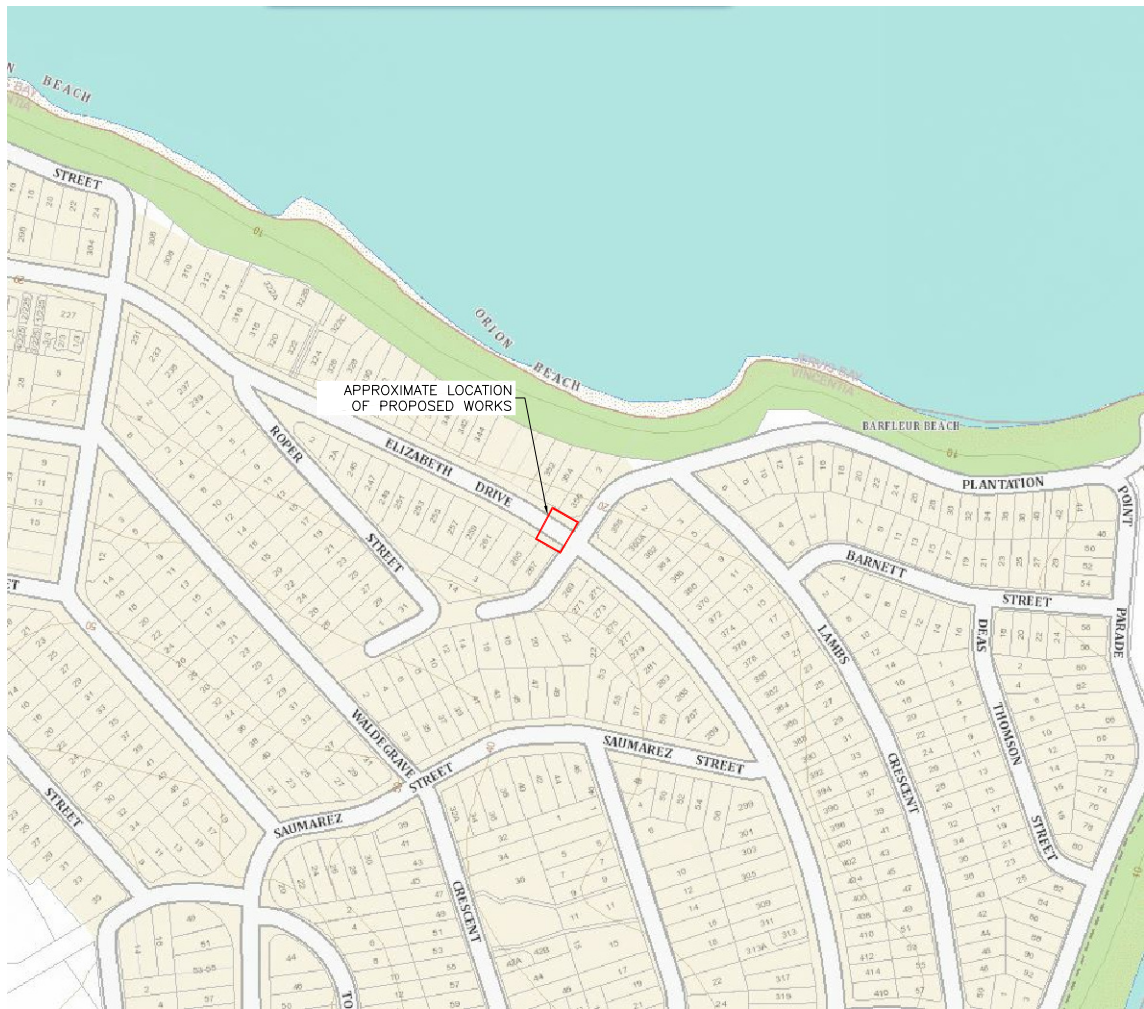


PROPOSED PEDESTRIAN REFUGE

ELIZABETH DRIVE/PLANTATION POINT PARADE, VINCENTIA



LOCALITY PLAN
NOT TO SCALE



SHEET INDEX

DRAWING No.	SCC REF. No.	DESCRIPTION
2156-C100	1529.XX	TITLE SHEET
2156-C101	1529.XX	SURVEY AND SERVICES PLAN
2156-C102	1529.XX	SGD11 PLAN AND SCHEDULE
2156-C103	1529.XX	EROSION AND SEDIMENT CONTROL PRINCIPLES PLAN
2156-C104	1529.XX	GENERAL ARRANGEMENT AND SIGNAGE AND LINEMARKING PLAN

GENERAL NOTES:

1. READ THESE NOTES IN CONJUNCTION WITH OTHER ENGINEERING DRAWINGS AND SPECIFICATIONS, AND WITH SUCH OTHER WRITTEN INSTRUCTIONS ISSUED. REFER TO CIVIL DRAWINGS FOR SETTING OUT AND DETAILED DIMENSIONS. REFER ANY DISCREPANCIES BETWEEN DOCUMENTATION TO SUPERINTENDENT BEFORE PROCEEDING WITH WORK.
2. SUBMIT DETAILS OF CHANGES TO SCOPE, WORK METHODS OR MATERIALS ETC FOR APPROVAL BEFORE PROCEEDING. APPROVAL DOES NOT AUTHORISE A VARIATION TO THE CONTRACT.
3. NOMINATION OF PROPRIETARY ITEMS DOES NOT INDICATE EXCLUSIVE PREFERENCE, BUT INDICATES REQUIRED PROPERTIES OF THE ITEM. SIMILAR ALTERNATIVES HAVING THE REQUIRED PROPERTIES MAY BE OFFERED FOR APPROVAL. APPROVAL DOES NOT AUTHORISE A VARIATION TO THE CONTRACT. INSTALL PROPRIETARY ITEMS IN ACCORDANCE WITH MANUFACTURERS REQUIREMENTS AND RECOMMENDATIONS.
4. DO NOT OBTAIN DIMENSIONS BY SCALING FROM DRAWING.
5. DIMENSIONS ARE IN METRES, LEVELS ARE IN METRES UNO, CHAINAGE ARE IN METRES UNO.
6. MAINTAIN STRUCTURES IN A STABLE CONDITION DURING CONSTRUCTION AND PROVIDE TEMPORARY BRACING AND/OR SUPPORT AS REQUIRED. PROVIDE SPREADERS AT LOADS AND/OR LIFTING POINTS WHERE REQUIRED. ENSURE NO PART IS OVERSTRESSED. DO NOT PLACE OR STORE BUILDING MATERIALS ON STRUCTURAL MEMBERS WITHOUT SUPERINTENDENTS APPROVAL. PROVIDE CALCULATIONS TO PROVE ADEQUACY OF STRUCTURE FOR PROPOSED CONSTRUCTION METHOD AND LOADS.
7. UNLESS NOTED OTHERWISE THESE DRAWING DO NOT DETAIL TEMPORARY WORKS. CONSTRUCTION METHODS AND TEMPORARY WORK ARE RESPONSIBILITY OF THE CONTRACTOR.
8. OBTAIN REQUIREMENTS FOR ADJOINING ELEMENTS TO BE FIXED TO OR SUPPORTED ON WORK AND PROVIDE FOR REQUIRED FIXINGS. DRAWINGS DO NOT SHOW DETAILS OF ALL FIXTURES, INSERTS, SLEEVES, RECESSES OR OPENINGS ETC REQUIRED. PROVIDE FOR TEMPORARY SUPPORT OF ADJOINING ELEMENTS DURING CONSTRUCTION.
9. WHERE NEW WORK ABUTS EXISTING PROVIDE SMOOTH TRANSITION FREE OF ABRUPT CHANGES.
10. BUILD FABRICATE AND PROCURE ONLY FROM DRAWING 'ISSUED FOR CONSTRUCTION'.

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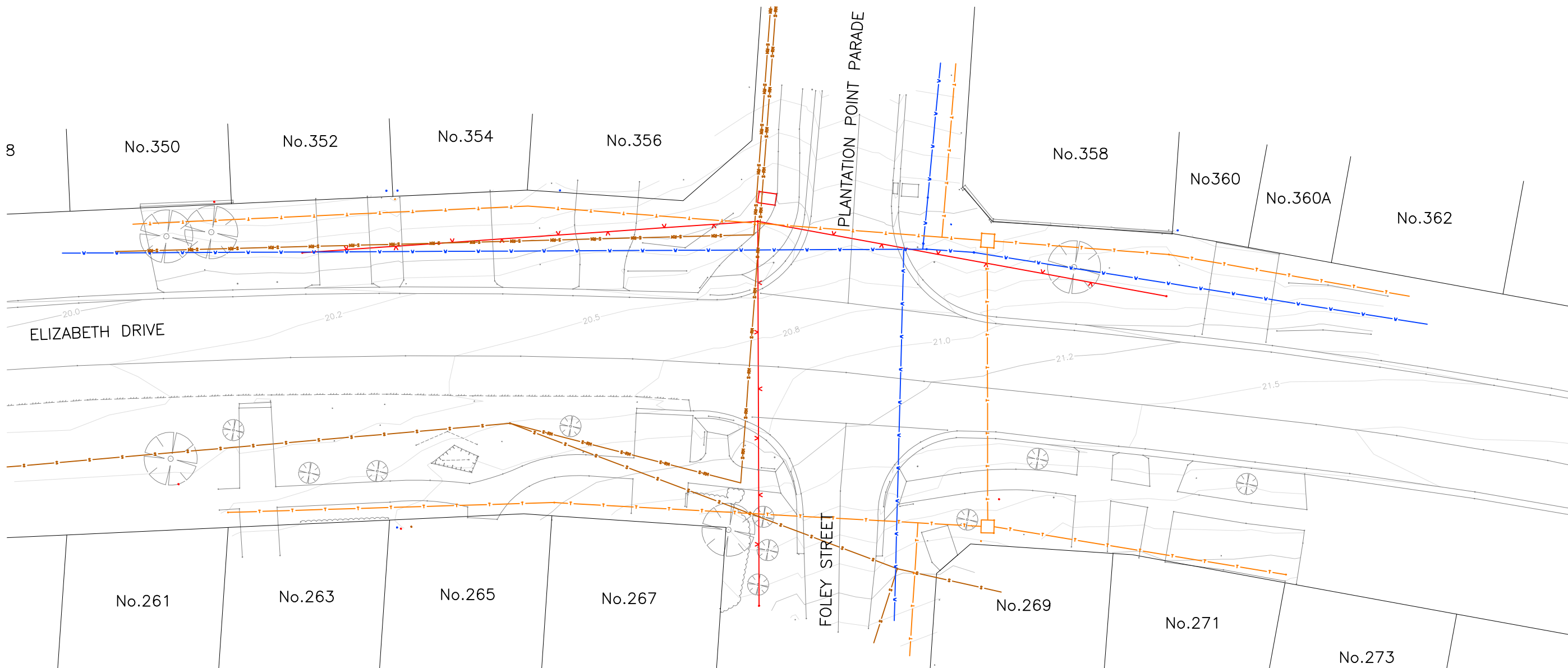
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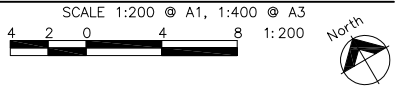
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PROPOSED PEDESTRIAN REFUGE ELIZABETH DRIVE/PLANTATION POINT PARADE, VINCENTIA TITLE SHEET

DRAWING NO. 2156-C100		1529.XX
ISSUE. 1		
SHEET 1 OF 5		



SURVEY AND SERVICES PLAN



EXISTING FEATURES LEGEND

- EXISTING PROPERTY BOUNDARY
- EXISTING KERB AND GUTTER
- EXISTING EDGE OF BITUMEN
- EXISTING LINEMARKING
- EXISTING TOP OF BATTER
- EXISTING BOTTOM OF BATTER
- EXISTING FENCE
- EXISTING CONTOURS (0.5m INTERVAL)
- EXISTING EDGE OF VEGETATION/GARDEN
- EXISTING TREE (TO BE RETAINED UNO)

EXISTING SERVICES LEGEND

- EXISTING TELECOMMUNICATIONS SERVICES
- EXISTING SEWER
- EXISTING SEWER RISING MAIN
- EXISTING WATER MAINS
- EXISTING OVERHEAD POWER

AS5488-2019
QUALITY LEVEL
C
C
D
C
N/A



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PROPOSED PEDESTRIAN REFUGE
ELIZABETH DRIVE/PLANTATION POINT PARADE, VICENTIA

SURVEY AND SERVICES PLAN

DRAWING NO. 2151-C101		1529.XX
ISSUE. 1		
SHEET 2 OF 5		

GENERAL REQUIREMENTS

THE FOLLOWING EROSION AND SEDIMENT CONTROL PLAN (ESCP) HAS BEEN DEVELOPED IN GENERAL ACCORDANCE WITH LANDCOM (2004) – MANAGING URBAN STORMWATER: SOILS AND CONSTRUCTION, OTHERWISE KNOWN AS "THE BLUE BOOK". THE CONTRACTOR SHALL BE AT ALL TIMES RESPONSIBLE FOR TAILORING THE EROSION AND SEDIMENT CONTROL PLAN TO SUIT SITE CONDITIONS. AS CONSTRUCTION PROGRESSES THE CONTRACTOR SHALL AMEND THE EROSION AND SEDIMENT CONTROL PLAN ACCORDINGLY. IT IS THE CONTRACTOR'S RESPONSIBILITY ALL TIMES TO ENSURE THAT THE EROSION AND SEDIMENT MANAGEMENT MEASURES COMPLY WITH THE REQUIREMENTS OF THE BLUE BOOK.

SITE ESTABLISHMENT

PRIOR TO THE COMMENCEMENT OF EARTHWORKS ON THE SITE THE FOLLOWING SHALL BE UNDERTAKEN AS A MINIMUM:

1. ERECT SAFETY FENCING WITH SIGNAGE CLEARLY INDICATING THAT THE SITE IS A CONSTRUCTION ZONE AND ACCESS IS RESTRICTED AS DEEMED NECESSARY.
2. ERECT CLEARLY VISIBLE BARRIER FENCING AT LOCATIONS SHOWN OR IF NOT SHOWN AT THE DISCRETION OF THE SITE SUPERINTENDENT TO ENSURE TRAFFIC IS CONTROLLED AND TO PROHIBIT UNNECESSARY SITE DISTURBANCE.
3. INSTALL STABILISED SITE ACCESS IN ACCORDANCE WITH STANDARD DRAWING SD6-14 AT EACH SITE ACCESS POINT TO PREVENT CONSTRUCTION EQUIPMENT FROM CARRYING SEDIMENT OFF THE SITE ONTO SURROUNDING ROADS AS REQUIRED.
4. INSTALL SEDIMENT AND EROSION CONTROL DEVICES IN ACCORDANCE WITH THE CONSTRUCTION DETAILS SPECIFIED IN THIS DRAWING SET AND/OR THE REQUIREMENTS OF THE 'BLUE BOOK'.

CONSTRUCTION

5. TOPSOIL, FROM ALL AREAS TO BE DISTURBED, SHALL BE STRIPPED PRIOR TO CONSTRUCTION OF ANY WORKS AND STOCKPILED AND LATER RESPREAD TO AID REVEGETATION IN LOCATIONS WHERE SHOWN ON THIS DRAWING. TOPSOIL SHALL BE STOCKPILED IN WINDROWS OUTSIDE OF MAJOR FLOW AREAS.
6. ALL DRAINAGE WORKS SHALL BE CONSTRUCTED AND STABILISED AS EARLY AS POSSIBLE DURING DEVELOPMENT.
7. ALL TAIL-OUT DRAINS SHALL BE GRASSED AND TRAPEZOIDAL IN SECTION. HAY BALES SHALL BE PLACED AS A SEDIMENTATION CONTROL DEVICE WHERE REQUIRED.
8. ALL DISTURBED AREAS SHALL BE REVEGETATED AS SOON AS THE RELEVANT WORKS ARE COMPLETED. TOPSOIL SHALL BE AMELIORATED AND COMPOSTED TO LANDSCAPE ARCHITECTS SPECIFICATIONS.
9. INLET FILTERS WILL BE INSTALLED WHERE SHOWN TO PREVENT WATER FROM DIRECTLY ENTERING THE PERMANENT DRAINAGE SYSTEM UNLESS IT IS RELATIVELY SEDIMENT FREE. IF THE LOCATION OF INLET FILTERS ARE NOT SHOWN ON THE PLAN THEIR LOCATION SHALL BE AT THE DISCRETION OF THE SUPERINTENDENT.

STOCKPILES

10. SPOIL AND TOPSOIL STOCKPILES SHALL BE LOCATED NO CLOSER THAN 5m FROM EXISTING VEGETATION, CONCENTRATED WATER FLOW, ROADS AND HAZARD AREAS.
11. IF STOCKPILES ARE TO BE IN PLACE FOR LONGER THAN 10 DAYS THEN THEY SHALL BE STABILISED BY COVERING WITH MULCH OR WITH TEMPORARY VEGETATION.
12. STOCKPILES SHALL BE IN WINDROWS NO HIGHER THAN 2m HIGH AND SHALL HAVE BATTER SLOPES NO STEEPER THAN 1 IN 2. AN EARTH BANK SHALL BE INSTALLED ON THE UPSLOPE SIDE AND SEDIMENT FENCING SHALL BE INSTALLED ALONG THE LENGTH OF THE DOWNSLOPE SIDE ON ANY STOCKPILE.

MAINTENANCE

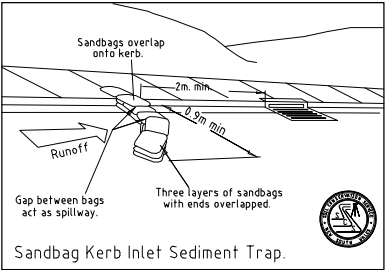
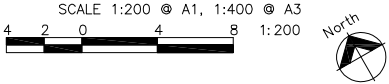
13. ALL SEDIMENT BASINS AND TRAPS SHALL BE CLEANED WHEN THE STRUCTURES ARE A MAXIMUM OF 60% FULL OF SOLID MATERIALS (INCLUDING DURING THE MAINTENANCE PERIOD) AND DISPOSED OF IN A MANNER THAT PREVENTS FURTHER POLLUTION OF THE SITE.
14. TEMPORARY SEDIMENT AND EROSION CONTROL DEVICES WILL BE RETAINED UNTIL AFTER THE LANDS THEY ARE PROTECTING, ARE COMPLETELY REHABILITATED.
15. THE CONTRACTOR WILL INSPECT THE SITE AT LEAST WEEKLY OR AFTER ANY STORM EVENT AND WILL:
 - ENSURE THAT DRAINS OPERATE PROPERLY AND TO EFFECT ANY NECESSARY REPAIRS;
 - REMOVE SPILLED SAND OR OTHER MATERIALS FROM HAZARD AREAS (E.G. LANDS CLOSER THAN FIVE METRES FROM AREAS OF LIKELY CONCENTRATED OR HIGH VELOCITY FLOWS ESPECIALLY DRAINS, WATERWAYS AND PAVED AREAS);
 - REMOVE TRAPPED SEDIMENT WHENEVER LESS THAN DESIGN CAPACITY REMAINS WITHIN THE STRUCTURE;
 - ENSURE REHABILITATED LANDS HAVE EFFECTIVELY REDUCED THE EROSION HAZARD AND TO INITIATE UPGRADING OR REPAIR AS APPROPRIATE;
 - CONSTRUCT ADDITIONAL EROSION AND/OR SEDIMENT CONTROL WORKS AS REQUIRED;
 - MAINTAIN EROSION AND SEDIMENT CONTROL MEASURES IN A FULLY FUNCTIONING CONDITION UNTIL ALL EARTHWORK ACTIVITIES ARE COMPLETED AND THE SITE IS REHABILITATED; AND
 - REMOVE TEMPORARY EROSION AND SEDIMENT CONTROL STRUCTURES AS THE LAST ACTIVITY IN THE REHABILITATION PROGRAM.
16. A SELF-AUDITING PROGRAM WILL BE ESTABLISHED BASED ON A CHECK SHEET. A SITE INSPECTION USING THE CHECK SHEET WILL BE MADE BY THE CONTRACTOR:
 - AT LEAST WEEKLY;
 - IMMEDIATELY BEFORE SITE CLOSURE;
 - IMMEDIATELY BEFORE FORECAST RAIN AND AFTER RAINFALL.
 - ENTRIES WILL INCLUDE (BUT ARE NOT LIMITED TO):
 - a. THE VOLUME AND INTENSITY OF ANY RAINFALL EVENTS;
 - b. THE CONDITION AND MAINTENANCE OF ANY SOIL AND WATER MANAGEMENT PLAN WORKS;
 - c. THE CONDITION OF VEGETATION AND ANY NEED TO IRRIGATE;
 - d. THE NEED FOR DUST PREVENTION STRATEGIES; AND
 - e. ANY REMEDIAL WORKS TO BE UNDERTAKEN.
 - A SIGNED DUPLICATE OF THE CHECK SHEET SHOULD BE FORWARDED TO THE PROJECT MANAGER WEEKLY FOR THEIR INFORMATION. ALL CHECK SHEETS SHOULD BE COLLATED, KEPT ON-SITE AND MADE AVAILABLE TO ANY AUTHORISED PERSON ON REQUEST.

SEQUENCE OF WORKS:


1. INSTALL SOIL AND WATER MANAGEMENT MEASURES AS DETAILED.
2. DEMOLITION AS REQUIRED
3. CONSTRUCT ROADWORKS
4. REMOVE MANAGEMENT DEVICES ON SUCCESSFUL REHABILITATION.



EROSION AND SEDIMENT CONTROL PRINCIPLES PLAN



ESCP LEGEND

 SANDBAG KERB INLET SEDIMENT TRAP

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ELIZABETH DRIVE/PLANTATION POINT PARADE, VINCENTIA
EROSION AND SEDIMENT CONTROL PRINCIPLES PLAN

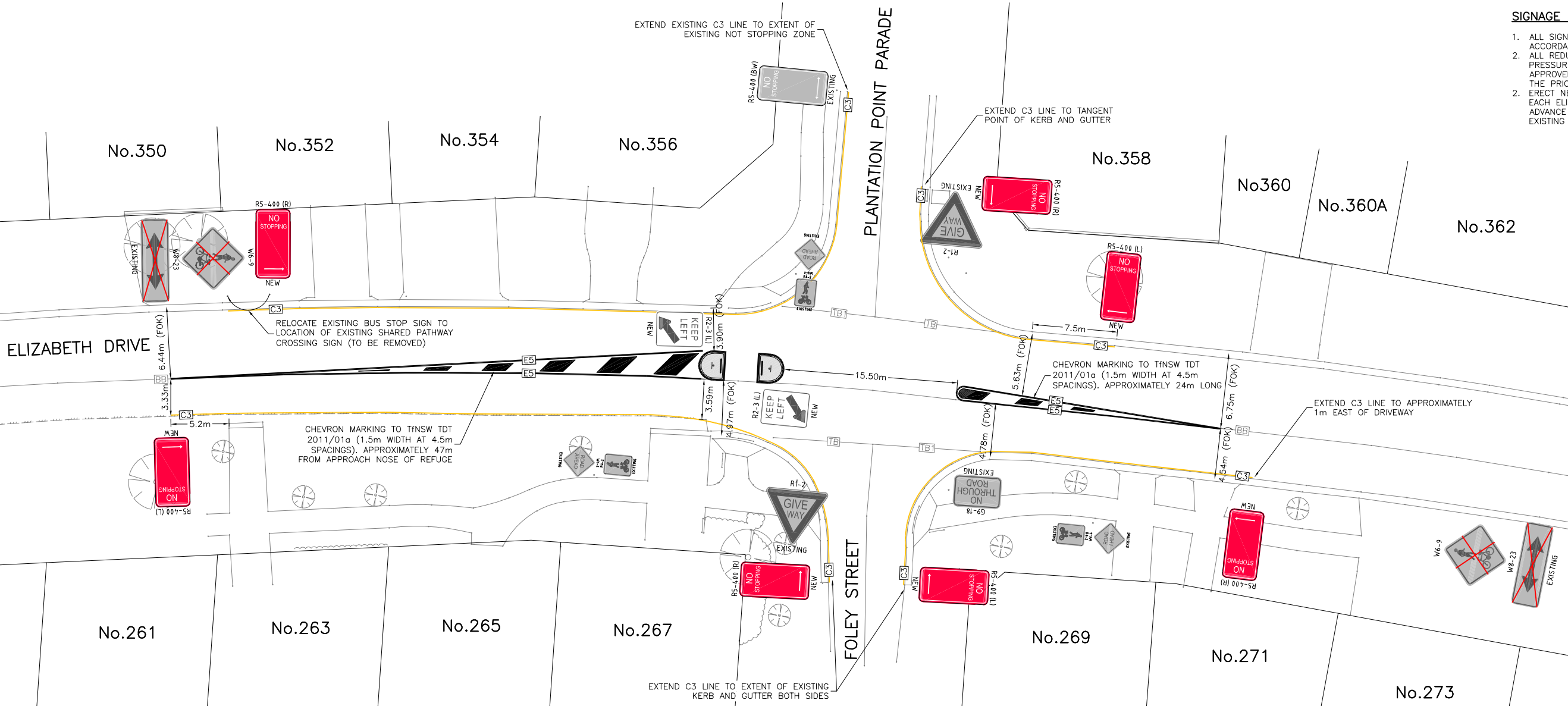
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SIGNAGE AND LINEMARKING NOTES

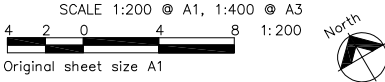
- ALL SIGNAGE AND LINEMARKING TO BE INSTALLED IN ACCORDANCE WITH AS1742
- ALL REDUNDANT LINEMARKING IS TO BE REMOVED BY HIGH PRESSURE WATER BLASTING, SHOT BLASTING OR OTHER APPROVED METHODS. PAINT SHALL NOT BE USED WITHOUT THE PRIOR APPROVAL OF THE SUPERINTENDENT.
- ERECT NEW W6-9 AND SUPPLEMENTARY W8-25 SIGN ON EACH ELIZABETH DRIVE APPROACH APPROXIMATELY 80m IN ADVANCE OF PROPOSED PEDESTRIAN REFUGE, REUSE EXISTING W6-9 SIGNS ON EACH APPROACH AS APPROPRIATE.



NOTE:
STREET LIGHTING IS TO BE PROVIDED IN ACCORDANCE WITH AS/NZS 1158



GENERAL ARRANGEMENT AND SIGNAGE AND LINEMARKING PLAN

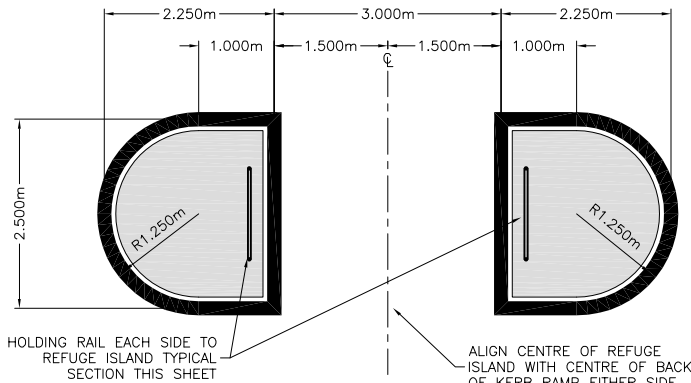


LINEMARKING LEGEND

- EXISTING GIVE WAY LINE
- EXISTING GIVE WAY LINE EXTENSION
- EXISTING DOUBLE BARRIER
- PROPOSED NO STOPPING LINE
- PROPOSED ISLAND OUTLINE

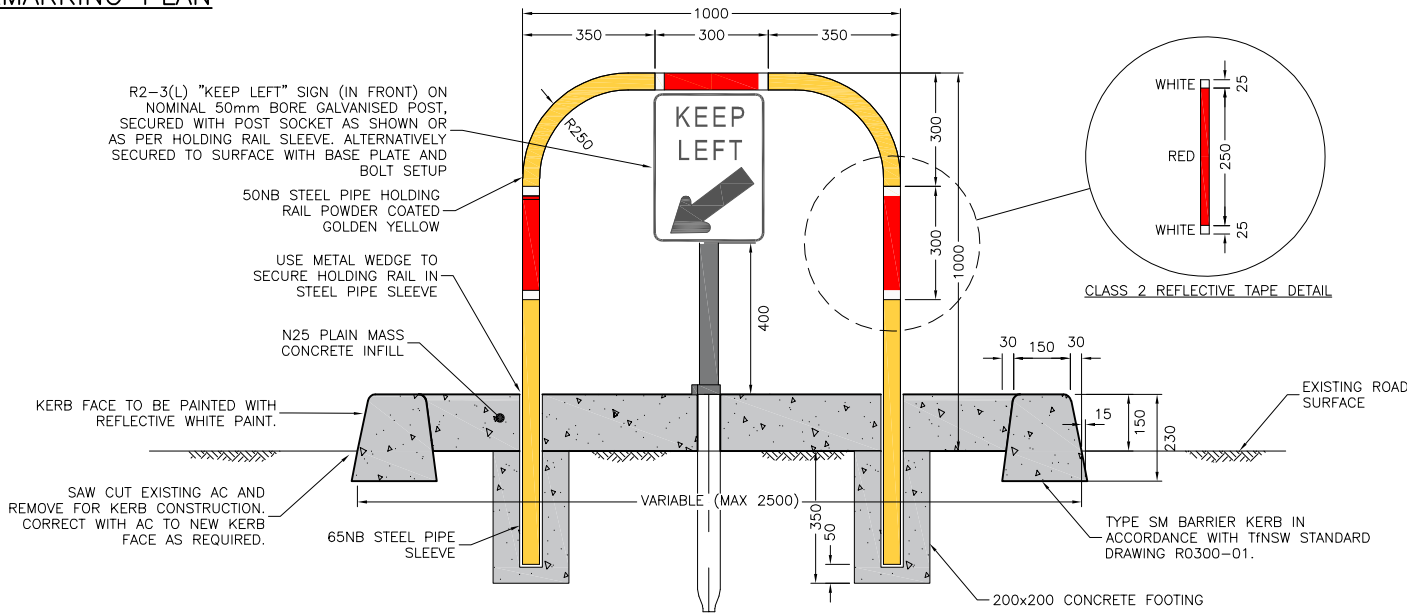
SIGNAGE LEGEND

- EXISTING ROAD SIGN (GREY) TO BE RETAINED
- EXISTING ROAD SIGN (GREY) TO BE REMOVED
- NEW ROAD SIGN (WHITE/COLOURED)



REFUGE ISLAND DETAIL

SCALE 1:50 @ A1, 1:100 @ A3



REFUGE ISLAND TYPICAL SECTION

SCALE 1:10

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GENERAL ARRANGEMENT AND SIGNAGE AND LINEMARKING PLAN

DRAWING NO.	2151-C104
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City Council

1529.XX