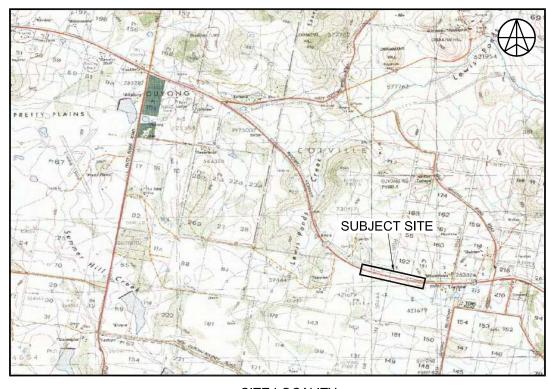
GUYONG HARD ROCK QUARRY ACCESS INTERSECTION MITCHELL HIGHWAY, GUYONG HANSON CONSTRUCTION MATERIALS PTY. LTD. MITHCELL HIGHWAY INTERSECTION RE-CONSTRUCTION

	SCHEDULE OF DRAWINGS					
SHEET	TITLE	REV.	DATE			
03A E01	TITLE SHEET, DRAWING LIST, AND SITE LOCALITY	Α	21/12/2011			
03A_E02	INTERSECTION RE-CONSTRUCTION OVERALL LAYOUT	Α	21/12/2011			
03A_E03	INTERSECTION RE-CONSTRUCTION LAYOUT SHEET 1 OF 2	Α	21/12/2011			
03A_E04	INTERSECTION RE-CONSTRUCTION LAYOUT SHEET 2 OF 2	Α	21/12/2011			
03A_E05	BULK EARTHWORKS AND SETOUT PLAN SHEET 1 OF 2	Α	21/12/2011			
03A_E06	BULK EARTHWORKS AND SETOUT PLAN SHEET 2 OF 2	Α	21/12/2011			
03A_E07	ACCESS ROAD LONGITUDINAL SECTION	Α	21/12/2011			
03A_E08	MITCHELL HIGHWAY RE-CONSTRUCTION CROSS SECTIONS SHEET 1 OF 4	Α	21/12/2011			
03A_E09	MITCHELL HIGHWAY RE-CONSTRUCTION CROSS SECTIONS SHEET 2 OF 4	A	21/12/2011			
03A_E10	MITCHELL HIGHWAY RE-CONSTRUCTION CROSS SECTIONS SHEET 3 OF 4	Α	21/12/2011			
03A_E11	MITCHELL HIGHWAY RE-CONSTRUCTION CROSS SECTIONS SHEET 4 OF 4	A	21/12/2011			
03A_E12	STORMWATER DRAINAGE LAYOUT AND TYPICAL DETAILS	A	21/12/2011			
03A_E13	INTERSECTION AND LINE MARKING PLAN SHEET 1 OF 2	Α	21/12/2011			
03A_E14	INTERSECTION AND LINE MARKING PLAN SHEET 2 OF 2	Α .	21/12/2011			
03A_E15	TRAFFIC CONTROL PLAN	Α .	21/12/2011			
03A_E16	EROSION AND SEDIMENTATION CONTROL PLAN	A	21/12/2011			
03A_E17	EROSION AND SEDIMENTATION CONTROL FIGURES	Α	21/12/2011			



SITE LOCALITY

No	DATE	DRAFTING CHECK	PM CHECK	DETAILS
Α	21/12/11	AJD	PP0	ISSUED FOR REVIEW

CHECKED/APPROVED	NAME	DATE
APPROVED	PP0	21/12/11
SURVEY	GW	21/04/11
DESIGNER	PPO/AJD	21/12/11
DRAFTING	AJD	21/12/11



HANSON CONSTRUCTION
MATERIALS PTY. LTD.

GEO	LYSE
ORANGE	154 PEISLEY STREET
orange@geolyse.com www.geolyse.com	P.O. BOX 1963 ORANGE, NSW 2800 Ph. (02) 6393 5000 Fx. (02) 6393 5050

_									
)	TITLE SHEET, DRAWING LIST,								
	AND S	ITE	LO	CALITY					
	PERMANENT MARK: BM 9000		RL:	935.607	DA	TUM: A.H.D.			
	PROJECT NUMBER: 211023	RAWING	SHEET:	03A_E01		ORIGINAL A1			
	AUTOCAD FILE: 211023_03A_E01-E17.dwg	12D/0 211023	OIVIL 3D OIA_MAST	FILE: ER_INTERSECTION_DESIGN.dwg		REVISION			
ノ	STATUS: FOR REVIEW		SHE	ET E01 OF E1	7	<u> </u>			

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- 4. THESE NOTES ARE AN INTEGRAL PART OF THIS PLAN.

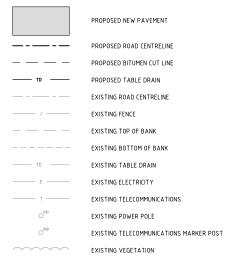
GENERAL CONSTRUCTION NOTES:

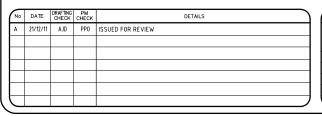
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- EROSION AND SEDIMENTATION CONTROL SHALL BE COMPLETED IN ACCORDANCE WITH SHEETS E16 AND E17.
- ALL LINE MARKING, GUIDEPOSTS, AND SIGNAGE SHALL BE CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH RTA SPECIFICATIONS AND AUSTRALIAN STANDARD AS 1742.1991.

PAVEMENT NOTES:

- THE PAVEMENT DESIGNS SHOWN HAVE BEEN BASED ON A GEOTECHNICAL INVESTIGATION AND REPORT PREPARED BY
- THE BASE AND SUB-BASE MATERIALS SHALL COMPLY WITH RTA SPECIFICATION 3051 (OR AS APPROVED BY MACQUARIE GEOTECH) AND SHALL BE COMPACTED TO A MINIMUM DRY DENSITY RATIO OF 102% RELATIVE TO STANDARD COMPACTION AT A MOISTURE RATIO OF 60-90% OF THE OPTIMUM MOISTURE CONTENT (IN ACCORDANCE WITH THE REPORT PREPARED BY MACQUARIE GEOTECH).
- THE SUBGRADE SHALL BE STRIPPED OF ALL SOFT, ORGANIC, OR MOISTURE AFFECTED MATERIALS AND ROLLED AND COMPACTED TO A MINIMUM DRY DENSITY RATIO OF 98% RELATIVE TO STANDARD COMPACTION AT A MOISTURE RATIO OF 60-90% OF THE OPTIMUM MOISTURE CONTENT (IN ACCORDANCE WITH THE REPORT PREPARED BY MACQUARIE GEOTECH).
- FILL MATERIAL SHALL BE PLACED AND COMPACTED IN LAYERS NOT EXCEEDING 300mm COMPACTED THICKNESS AND COMPACTED IN ACCORDANCE WITH THE REQUIREMENTS NOTED FOR THE SUBGRADE (IN ACCORDANCE WITH THE REPORT PREPARED BY MACQUARIE GEOTECH)

LEGEND:





CHECKED/APPROVED DATE APPROVED PP0 21/12/11 SURVEY 21/04/11 DESIGNER PPO/AJD 21/12/11 AJD 21/12/11

EXISTING PAVEMENT

TABLE OF SURVEY MARKS

BM 9004

PROPOSED PAVEMENT

 MARK
 EASTING
 NORTHING
 R.L.

 BM 9004
 709451.777
 6300362.645
 940.590

 BM 9000
 709591.601
 6300314.453
 935.607

709859.207 6300239.043 933.380

APPROVAL AUTHORITY Transport Roads & Traffic NSW Authority

PROPOSED BITUMEN

MATCH EXISTING CROSSFA

PROPOSED PAVEMENT

ACCELERATION LANE

TYPICAL CROSS SECTION

HANSON CONSTRUCTION MATERIALS PTY. LTD.

GUYONG HARD ROCK QUARRY **ACCESS INTERSECTION**



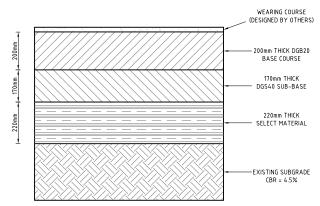
INTERSECTION **RE-CONSTRUCTION OVERALL LAYOUT** PERMANENT MARK: BM 9000 RL: 935.607 DATUM: A.H.D PROJECT NUMBER 211023 A1 03A E02 I 2D/CIVIL 3D FILE: 211023_01A_MASTER_INTERSECTION_DESIGN.dwg

SHEET E02 OF E17

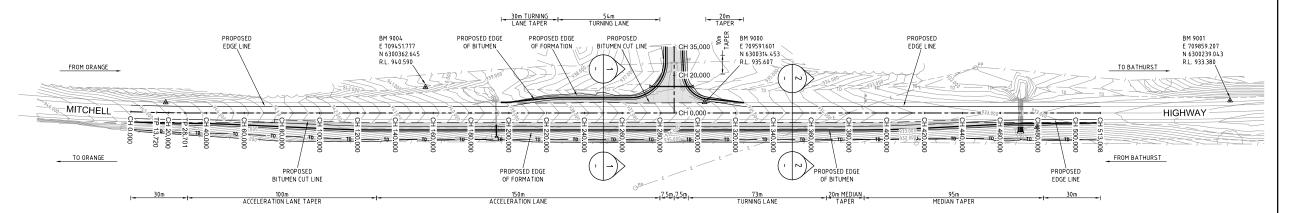
STATUS: FOR REVIEW

SCALE 1:1000(A1)

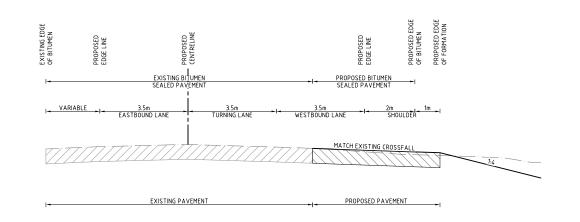
SCALE 1:2000(A3)



MITCHELL HIGHWAY PAVEMENT DETAIL SCALE 1:10 (A1) SCALE 1:20 (A3)



FOR LINE MARKING DETAILS REFER TO SHEETS E13-E14





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- CONTOUR INTERVAL 0.25m.
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- 4. ALL BATTERS AND TABLE DRAIN AREAS SHALL BE TOPSOILED AND GRASSED UNLESS OTHERWISE SHOWN.
- 5. THE CONTRACTOR SHALL REINSTATE ANY GRASSED AREAS OR TABLE DRAINS AFFECTED DURING CONSTRUCTION.
- 6. ALL CONSTRUCTION WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH THE NEW SOUTH WALES ROADS AND TRAFFIC AUTHORITY'S STANDARDS.
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- ALL LINE MARKING, GUIDEPOSTS, AND SIGNAGE SHALL BE CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH RTA SPECIFICATIONS AND AUSTRALIAN STANDARD AS 1742.1991.

PAVEMENT NOTES:

LEGEND:

- THE PAVEMENT DESIGNS SHOWN HAVE BEEN BASED ON A GEOTECHNICAL INVESTIGATION AND REPORT PREPARED BY MACQUARIE GEOTECH (REPORT REF: 11/249 DATED 21 NOVEMBER 20
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- 4. FILL MATERIAL SHALL BE PLACED AND COMPACTED IN LAYERS NOT EXCEEDING 300mm COMPACTED THICKNESS AND COMPACTED IN ACCORDANCE WITH THE REQUIREMENTS NOTED FOR THE SUBGRADE (IN ACCORDANCE WITH THE REPORT PREPARED BY MACQUARIE GEOTECH).

PROPOSED NEW PAVEMENT

PROPOSED ROAD CENTRELINE

PROPOSED BITUMEN CUT LINE

PROPOSED TABLE DRAIN

EXISTING ROAD CENTRELINE

EXISTING TOP OF BANK

EXISTING TABLE DRAIN

EXISTING ELECTRICITY

EXISTING TELECOMMUNICATIONS

EXISTING POWER POLE

EXISTING VEGETATION

PROPOSED 450mmø RCP

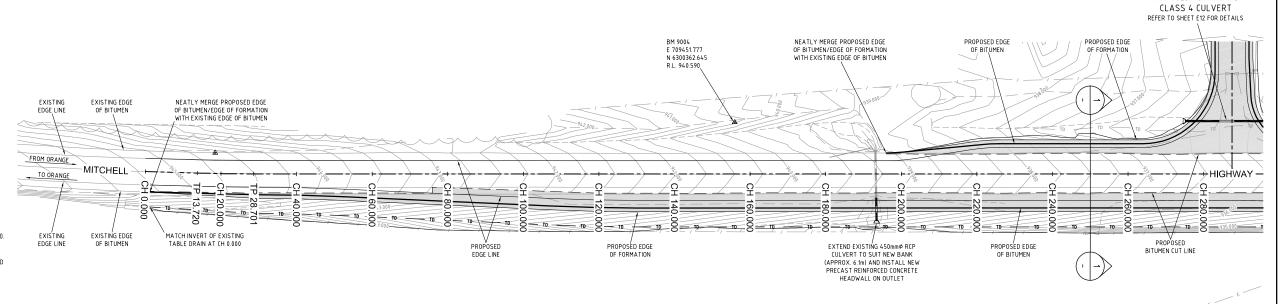
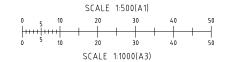
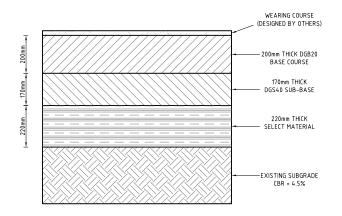


TABLE OF SURVEY MARKS

MARK	EASTING	NORTHING	R.L.
BM 9004	709451.777	6300362.645	940.590
BM 9000	709591.601	6300314.453	935.607
BM 9001	709859.207	6300239.043	933.380

FOR LINE MARKING DETAILS REFER TO SHEETS E13-E14





BOOK OF THE PROPOSED BITUMEN

| PROPOSED PAVEMENT | PROPOSED PAVEMENT | PROPOSED PAVEMENT |

| PROPOSED PAVEMENT | PROPOSED PAVEMENT | PROPOSED PAVEMENT |

| PROPOSED PAVEMENT | PROPOSED PAVEMENT | PROPOSED PAVEMENT |

| PROPOSED PAVEMENT | PROPOSED PAVEMENT | PROPOSED PAVEMENT |

| PROPOSED PAVEMENT | PROPOSED PAVEMENT | PROPOSED PAVEMENT |

| PROPOSED PAVEMENT |

MITCHELL HIGHWAY PAVEMENT DETAIL

SCALE 1:10 (A1)

SCALE 1:20 (A3)

TYPICAL CROSS SECTION 1

No	DATE	DRAFTING CHECK	PM CHECK	DETAILS
Α	21/12/11	AJD	PP0	ISSUED FOR REVIEW
)

EXISTING TELECOMMUNICATIONS MARKER POST



HANSON CONSTRUCTION
MATERIALS PTY. LTD.



$\Big $	INTERSECTION RE-CONSTRUCTION LAYOUT SHEET 1 OF 2								
l	PERMANENT MARK: BM 9000		RL:	935.607	DA	™ A.H.D.			
l	PROJECT NUMBER: 211023	RAWING	SHEET:	03A_E03		ORIGINAL A1			
l	AUTOCAD FILE: 211023_03A_E01-E17.dwg	12D/C 211023_	DIVIL 3D 01A_MAST	FILE: ER_INTERSECTION_DESIGN.dwg		REVISION			
)	STATUS: FOR REVIEW		SHE	ET E03 OF E1	7	L A ∠			

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PAVEMENT NOTES:

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PROPOSED NEW PAVEMENT
PROPOSED ROAD CENTRELINE

PROPOSED BITUMEN CUT LINE

EXISTING ROAD CENTRELINE

EXISTING TOP OF BANK

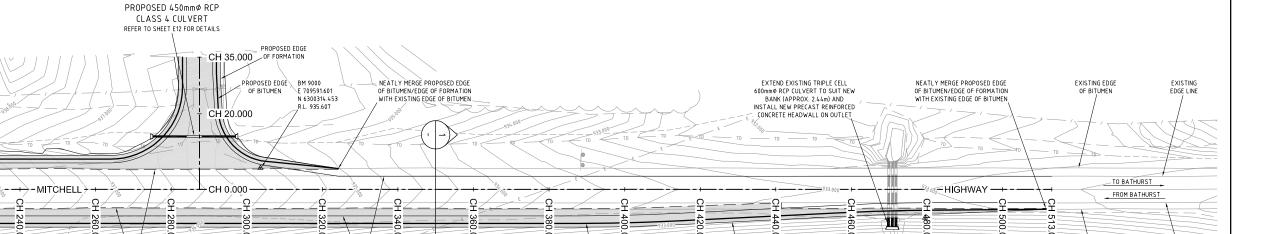


TABLE OF SURVEY MARKS

MARK	EASTING	NORTHING	R.L.
BM 9004	709451.777	6300362.645	940.590
BM 9000	709591.601	6300314.453	935.607
BM 9001	709859.207	6300239.043	933.380

FOR LINE MARKING DETAILS REFER TO SHEETS E13-E14

PROPOSED EDGE OF BITUMEN

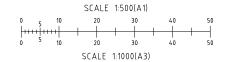
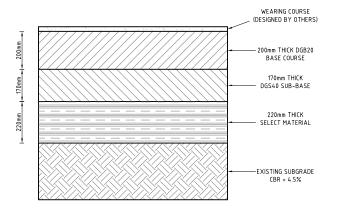
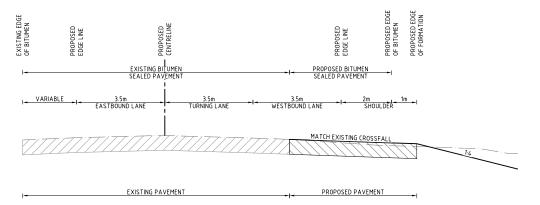


TABLE DRAIN AT CH 513.008



MITCHELL HIGHWAY PAVEMENT DETAIL
SCALE 1:10 (A1)
SCALE 1:20 (A3)



TYPICAL CROSS SECTION 1

EXISTING TABLE DRAIN EXISTING ELECTRICITY T EXISTING TELECOMMUNICATIONS OPP EXISTING POWER POLE

OMP	EXISTING TELECOMMUNICATIONS MARKER POST
~~~	EXISTING VEGETATION

No	DATE	DRAFTING CHECK	PM CHECK	DETAILS
Α	21/12/11	AJD	PP0	ISSUED FOR REVIEW
$\subseteq$				

CHECKED/APPROVED	NAME	DATE
APPROVED	PPO PPO	21/12/11
SURVEY	GW	21/04/11
DESIGNER	PPO/AJD	21/12/11
DRAFTING	AJD	21/12/11



HANSON CONSTRUCTION
MATERIALS PTY. LTD.



LAYOUT SHEET 2 OF 2						ION	
1		PERMANENT MARK: BM 9000		RL:	935.607	DA	^{™:} A.H.D.
		PROJECT NUMBER: 211023	RAWING	SHEET:	03A_E04		ORIGINAL A1
1		AUTOCAD FILE: 211023_03A_E01-E17.dwg		DIVIL 3D 01A_MAST	FILE: ER_INTERSECTION_DESIGN.dwg		REVISION
J		STATUS: FOR REVIEW		SHE	ET E04 OF E1	7	<u> </u>

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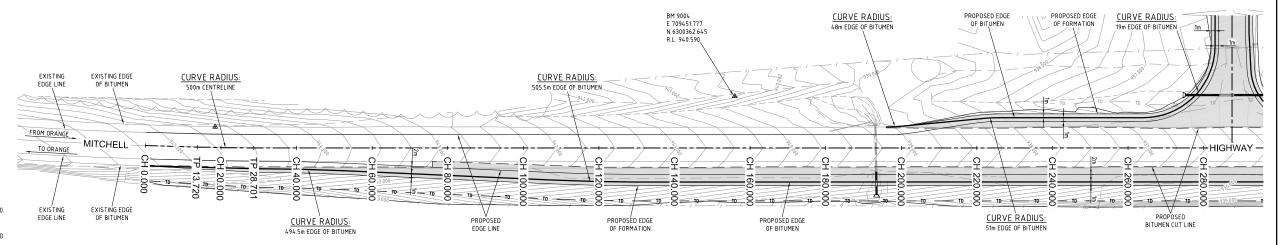
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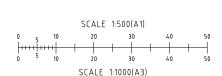
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### QUANTITY SCHEDULE

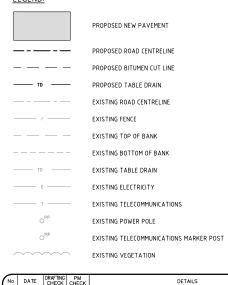
STRIPPING (100mm)	650m
CUT	1850n
FILL	450m
BALANCE	1400n
DGB20	600m
DGS40	550m
SELECT MATERIAL	700m
AREA OF SEAL	2200n



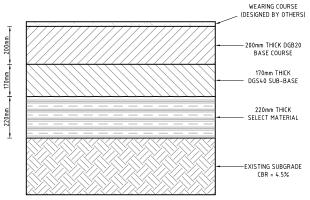




### LEGEND:



AJD PPO ISSUED FOR REVIEW



## MITCHELL HIGHWAY PAVEMENT DETAIL SCALE 1:10 (A1) SCALE 1:20 (A3)

	(DESIGNED BY OTHERS)
200mm	200mm THICK DGB20 BASE COURSE
1100m	170mm THICK DGS40 SUB-BASE
220mm	220mm THICK SELECT MATERIAL
	EXISTING SUBGRADE CBR = 4.5%

KED/APPROVED	IVAME	DATE
APPROVED	PP0	21/12/11
SURVEY	GW	21/04/11
DESIGNER	PPO/AJD	21/12/11
DRAFTING	AJD	21/12/11

### MITCHELL HIGHWAY CENTRELINE SETOUT TABLE

CHAINAGE	EASTING	NORTHING	R.L.	DESCRIPTION
0.000	709298.267	6300392.895	945.197	
13.720	709311.342	6300388.738	944.865	TANGENT POINT
20.000	709317.339	6300386.873	944.722	
28.701	709325.685	6300384.413	944.509	TANGENT POINT
40.000	709336.550	6300381.314	944.192	
60.000	709355.783	6300375.828	943.579	
80.000	709375.016	6300370.342	942.931	
100.000	709394.249	6300364.856	942.292	
120.000	709413.482	6300359.370	941.640	
140.000	709432.715	6300353.884	941.014	
160.000	709451.948	6300348.398	940.362	
180.000	709471.181	6300342.912	939.720	
200.000	709490.414	6300337.426	939.094	
220.000	709509.646	6300331.940	938.468	
240.000	709528.879	6300326.454	937.828	
260.000	709548.112	6300320.968	937.177	
280.000	709567.345	6300315.482	936.528	
300.000	709586.578	6300309.996	935.916	
320.000	709605.811	6300304.510	935.292	
340.000	709625.044	6300299.024	934.690	
360.000	709644.277	6300293.538	934.146	
380.000	709663.510	6300288.052	933.748	
400.000	709682.742	6300282.566	933.423	
420.000	709701.975	6300277.080	933.199	
440.000	709721.208	6300271.594	933.063	
460.000	709740.441	6300266.108	932.978	
480.000	709759.674	6300260.622	932.996	
500.000	709778.907	6300255.136	933.145	
513.008	709791.416	6300251.568	933.213	

### MITCHELL HIGHWAY LEFT EDGE OF BITUMEN SETOUT TABLE

CHAINAGE	EASTING	NORTHING	R.L.	DESCRIPTION
196.008	709488.099	6300343.865	939.065	TANGENT POINT
200.636	709492.610	6300342.811	938.910	TANGENT POINT
221.090	709512.824	6300339.106	938.207	TANGENT POINT
226.008	709517.618	6300337.985	938.039	TANGENT POINT
264.008	709554.161	6300327.562	936.790	TAPER TANGENT POINT
305.118	709593.530	6300315.710	935.485	TAPER TANGENT POINT
324 264	709611.425	6300308 646	935 010	

### MITCHELL HIGHWAY RIGHT EDGE OF BITUMEN SETOUT TABLE

	r	,		
CHAINAGE	EASTING	NORTHING	R.L.	DESCRIPTION
0.000	709296.633	6300387.755	945.345	
30.008	709325.433	6300378.766	944.495	TANGENT POINT
52.345	709346.775	6300372.153	943.717	TANGENT POINT
107.173	709398.820	6300354.730	941.794	TANGENT POINT
130.008	709420.637	6300347.970	941.058	TANGENT POINT
388.008	709668.741	6300277.201	933.332	TANGENT POINT
413.242	709693.181	6300270.885	933.019	TANGENT POINT
458.322	709737.149	6300260.687	932.835	TANGENT POINT
483.008	709761.058	6300254.508	932.897	TANGENT POINT
513.008	709789.976	6300246.520	933.111	

### ACCESS ROAD CENTRELINE SETOUT TABLE

CHAINAGE	EASTING	NORTHING	R.L.
0.000	709574.565	6300313.423	936.299
20.000	709580.051	6300332.656	936.252
35.000	709584.165	6300347.080	936.402

### ACCESS ROAD LEFT EDGE OF BITUMEN SETOUT TABLE

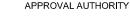
CHAINAGE	EASTING	NORTHING	R.L.	DESCRIPTION
27.000	709577.644	6300340.621	936.214	TAPER TANGENT POINT
35.000	709579.838	6300348.314	936.267	

### ACCESS ROAD RIGHT EDGE OF BITUMEN SETOUT TABLE

CHAINAGE	EASTING	NORTHING	R.L.	DESCRIPTION
20.635	709585.032	6300331.895	936.108	TAPER TANGENT POINT
30.610	709587.289	6300341.624	936.223	
35.000	709588.493	6300345.846	936.267	

### TABLE OF SURVEY MARKS

MARK	EASTING	NORTHING	R.L.
BM 9004	709451.777	6300362.645	940.590
BM 9000	709591.601	6300314.453	935.607
BM 9001	709859.207	6300239.043	933.380





HANSON CONSTRUCTION MATERIALS PTY. LTD.

GUYONG HARD ROCK QUARRY **ACCESS INTERSECTION** 



	SETOUT PL	AN SHEET 1 OF	2
	PERMANENT MARK: BM 9000	RL: 935.607	DATUM: A.H.D.
	PROJECT NUMBER: 211023	AWING SHEET: 03A_E05	ORIGINAL A1
	AUTOCAD FILE: 211023_03A_E01-E17.dwg	12D/CIVIL 3D FILE: 211023_01A_MASTER_INTERSECTION_DESIGN.dwg	REVISION
- )	STATUS: FOR REVIEW	SHEET E05 OF E17	$71  \mathbf{A}$

**BULK EARTHWORKS AND** 

- THIS PLAN IS PREPARED FROM A FIELD SURVEY FOR THE PURPOSE OF DESIGNING NEW CONSTRUCTIONS ON THE LAND AND SHOULD NOT BE USED FOR ANY OTHER PURPOSE.
- VISIBLE SERVICES HAVE BEEN LOCATED ONLY. PRIOR TO ANY DEMOLITION, EXCAVATION OR CONSTRUCTION ON THE SITE, THE RELEVANT AUTHORITIES SHOULD BE CONTACTED FOR LOCATION OF FURTHER UNDERGROUND SERVICES AND DETAILED LOCATIONS OF ALL SERVICES.
- 4. THESE NOTES ARE AN INTEGRAL PART OF THIS PLAN.

### GENERAL CONSTRUCTION NOTES:

- ALL SERVICES SHOWN ON THIS PLAN HAVE BEEN PREPARED FROM A COMBINATION OF FIELD SURVEY AND EXISTING RECORDS PROVIDED BY SERVICE AUTHORITIES HOWEVER ALL RELEVANT AUTHORITIES MUST BE CONTACTED AND SERVICE LOCATIONS CHECKED PRIOR TO WORK
- ANY WORK TO EXISTING SERVICES THAT REQUIRE RELOCATION BY AUTHORITIES SHALL BE CARRIED OUT BY THE RELEVANT AUTHORITY BUT WITH THE TERMS OF THE CONTRACT AND SHALL BE CO-ORDINATED BY THE CONTRACTOR.
- TRAFFIC AND PEDESTRIAN CONTROL MEASURES IN ACCORDANCE WITH THE RTA'S TRAFFIC CONTROL AT WORK SITES ARE TO BE IN PLACE DURING ALL CONSTRUCTION WORKS.
- 4. ALL BATTERS AND TABLE DRAIN AREAS SHALL BE TOPSOILED AND GRASSED UNLESS OTHERWISE SHOWN.
- THE CONTRACTOR SHALL REINSTATE ANY GRASSED AREAS OR TABLE DRAINS AFFECTED DURING CONSTRUCTION.
- ALL CONSTRUCTION WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH THE NEW SOUTH WALES ROADS AND TRAFFIC AUTHORITY'S STANDARDS.
- EROSION AND SEDIMENTATION CONTROL SHALL BE COMPLETED IN ACCORDANCE WITH SHEETS E16 AND E17.
- ALL LINE MARKING, GUIDEPOSTS, AND SIGNAGE SHALL BE CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH RTA SPECIFICATIONS AND AUSTRALIAN STANDARD AS 1742.1991.

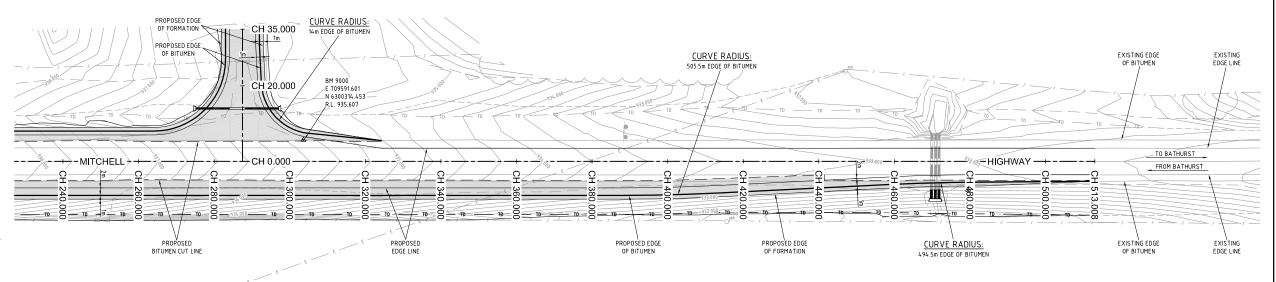
### PAVEMENT NOTES:

- THE PAVEMENT DESIGNS SHOWN HAVE BEEN BASED ON A GEOTECHNICAL INVESTIGATION AND REPORT PREPARED BY
- THE BASE AND SUB-BASE MATERIALS SHALL COMPLY WITH RTA SPECIFICATION 3051 (OR AS APPROVED BY MACQUARIE GEOTECH) AND SHALL BE COMPACTED TO A MINIMUM DRY DENSITY RATIO OF 102% RELATIVE TO STANDARD COMPACTION AT A MOISTURE RATIO OF 60-90% OF THE OPTIMUM MOISTURE CONTENT (IN ACCORDANCE WITH THE REPORT PREPARED BY MACQUARIE GEOTECH)
- THE SUBGRADE SHALL BE STRIPPED OF ALL SOFT, ORGANIC, OR MOISTURE AFFECTED MATERIALS AND ROLLED AND COMPACTED TO A MINIMUM DRY DENSITY RATIO OF 98% RELATIVE TO STANDARD COMPACTION AT A MOISTURE RATIO OF 60-90% OF THE OPTIMUM MOISTURE CONTENT (IN ACCORDANCE WITH THE REPORT PREPARED BY
- FILL MATERIAL SHALL BE PLACED AND COMPACTED IN LAYERS NOT EXCEEDING 300mm COMPACTED THICKNESS AND COMPACTED IN ACCORDANCE WITH THE REQUIREMENTS NOTED FOR THE SUBGRADE (IN ACCORDANCE WITH THE REPORT PREPARED BY MACQUARIE GEOTECH).

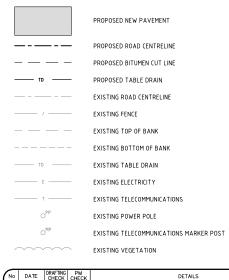
### QUANTITY SCHEDULE

STRIPPING (100mm)	650m
CUT	1850n
FILL	450m
BALANCE	1400n
DGB20	600m
DGS40	550m
SELECT MATERIAL	700m
AREA OF SEAL	2200n

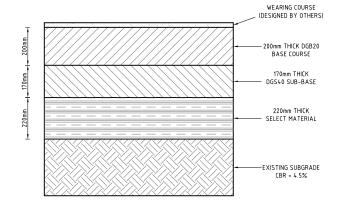




### LEGEND:



AJD PPO ISSUED FOR REVIEW



### MITCHELL HIGHWAY PAVEMENT DETAIL SCALE 1:20 (A3)

CHECKED/APPROVED	NAME	DATE
APPROVED	PP0	21/12/11
SURVEY	GW	21/04/11
DESIGNER	PPO/AJD	21/12/11
DRAFTING	AJD	21/12/11
		<del></del> ,

### MITCHELL HIGHWAY CENTRELINE SETOUT TABLE

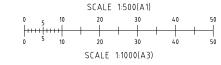
CHAINAGE	EASTING	NORTHING	R.L.	DESCRIPTION
0.000	709298.267	6300392.895	945.197	
13.720	709311.342	6300388.738	944.865	TANGENT POINT
20.000	709317.339	6300386.873	944.722	
28.701	709325.685	6300384.413	944.509	TANGENT POINT
40.000	709336.550	6300381.314	944.192	
60.000	709355.783	6300375.828	943.579	
80.000	709375.016	6300370.342	942.931	
100.000	709394.249	6300364.856	942.292	
120.000	709413.482	6300359.370	941.640	
140.000	709432.715	6300353.884	941.014	
160.000	709451.948	6300348.398	940.362	
180.000	709471.181	6300342.912	939.720	
200.000	709490.414	6300337.426	939.094	
220.000	709509.646	6300331.940	938.468	
240.000	709528.879	6300326.454	937.828	
260.000	709548.112	6300320.968	937.177	
280.000	709567.345	6300315.482	936.528	
300.000	709586.578	6300309.996	935.916	
320.000	709605.811	6300304.510	935.292	
340.000	709625.044	6300299.024	934.690	
360.000	709644.277	6300293.538	934.146	
380.000	709663.510	6300288.052	933.748	
400.000	709682.742	6300282.566	933.423	
420.000	709701.975	6300277.080	933.199	
440.000	709721.208	6300271.594	933.063	
460.000	709740.441	6300266.108	932.978	
480.000	709759.674	6300260.622	932.996	
500.000	709778.907	6300255.136	933.145	
513.008	709791.416	6300251.568	933.213	

### MITCHELL HIGHWAY LEFT EDGE OF BITUMEN SETOUT TABLE

CHAINAGE	EASTING	NORTHING	R.L.	DESCRIPTION
196.008	709488.099	6300343.865	939.065	TANGENT POINT
200.636	709492.610	6300342.811	938.910	TANGENT POINT
221.090	709512.824	6300339.106	938.207	TANGENT POINT
226.008	709517.618	6300337.985	938.039	TANGENT POINT
264.008	709554.161	6300327.562	936.790	TAPER TANGENT POINT
305.118	709593.530	6300315.710	935.485	TAPER TANGENT POINT
324.264	709611.425	6300308.646	935.010	

### MITCHELL HIGHWAY RIGHT EDGE OF BITUMEN SETOUT TABLE

_	OTTLLL THE	21 1 7 7 7 7 1 1 1 1 1	OIII EDOL	01 011 011	1211 02 1001 1712	_
	CHAINAGE	EASTING	NORTHING	R.L.	DESCRIPTION	
	0.000	709296.633	6300387.755	945.345		
	30.008	709325.433	6300378.766	944.495	TANGENT POINT	1
•	52.345	709346.775	6300372.153	943.717	TANGENT POINT	1
	107.173	709398.820	6300354.730	941.794	TANGENT POINT	
	130.008	709420.637	6300347.970	941.058	TANGENT POINT	1
	388.008	709668.741	6300277.201	933.332	TANGENT POINT	i
	413.242	709693.181	6300270.885	933.019	TANGENT POINT	i
•	458.322	709737.149	6300260.687	932.835	TANGENT POINT	1
	483.008	709761.058	6300254.508	932.897	TANGENT POINT	1
Ī	513.008	709789.976	6300246.520	933.111		1



### ACCESS ROAD CENTRELINE SETOUT TABLE

CHAINAGE	EASTING	NORTHING	R.L.
0.000	709574.565	6300313.423	936.299
20.000	709580.051	6300332.656	936.252
35.000	709584.165	6300347.080	936.402

### ACCESS ROAD LEFT EDGE OF BITUMEN SETOUT TABLE

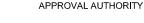
CHAINAGE	EASTING	NORTHING	K.L.	DESCRIPTION
27.000	709577.644	6300340.621	936.214	TAPER TANGENT POINT
35.000	709579.838	6300348.314	936.267	

### ACCESS ROAD RIGHT EDGE OF BITUMEN SETOUT TABLE

CHAINAGE	EASTING	NORTHING	R.L.	DESCRIPTION
20.635	709585.032	6300331.895	936.108	TAPER TANGENT POINT
30.610	709587.289	6300341.624	936.223	
35.000	709588.493	6300345.846	936.267	

### TABLE OF SURVEY MARKS

MARK	EASTING	NORTHING	R.L.
BM 9004	709451.777	6300362.645	940.590
BM 9000	709591.601	6300314.453	935.607
BM 9001	709859.207	6300239.043	933.380



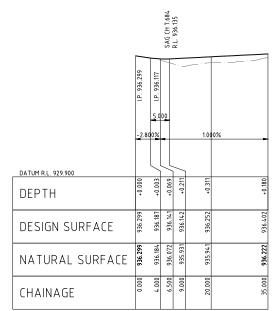


### HANSON CONSTRUCTION MATERIALS PTY. LTD.



	BULK EART SETOUT PLA				
	PERMANENT MARK: BM 9000	RL:	935.607	DA	^{тим:} А.Н
	PROJECT NUMBER: 211023 DRAW	ING SHEET:	03A_E06		ORIGINAL A
- 1	AUTOCAD FILE: 12	2D/CIVIL 3D	FILE:	$\neg$	REVISION

SETOUT PL	ΑN	SH	EET 2 OF	2	
PERMANENT MARK: BM 9000		RL:	935.607	DA	TUM: A.H.D.
PROJECT NUMBER: 211023	AWING S	SHEET:	03A_E06		ORIGINAL A1
AUTOCAD FILE: 211023_03A_E01-E17.dwg		VIL 3D 1A_MASTE	FILE: R_INTERSECTION_DESIGN.dwg		REVISION
STATUS: FOR REVIEW	5	SHEE	T E06 OF E1	7	$ A\rangle$



LONGITUDINAL SECTION - DESIGN ACCESS ROAD CENTRELINE

SCALE HORIZONTAL 1:500 (A1) 1:1000 (A3)

SCALE VERTICAL 1:100 (A1) 1:200 (A3)

LEGEND:

NATURAL SURFACE DESIGN SURFACE

No	DATE	DRAFTING CHECK	PM CHECK	DETAILS
Α	21/12/11	AJD	PP0	ISSUED FOR REVIEW
_				
_				
_				
_				

CHECKED/APPROVED	CKED/APPROVED NAME	
APPROVED	PP0	21/12/11
SURVEY	GW	21/04/11
DESIGNER	PPO/AJD	21/12/11
DRAFTING	AJD	21/12/11

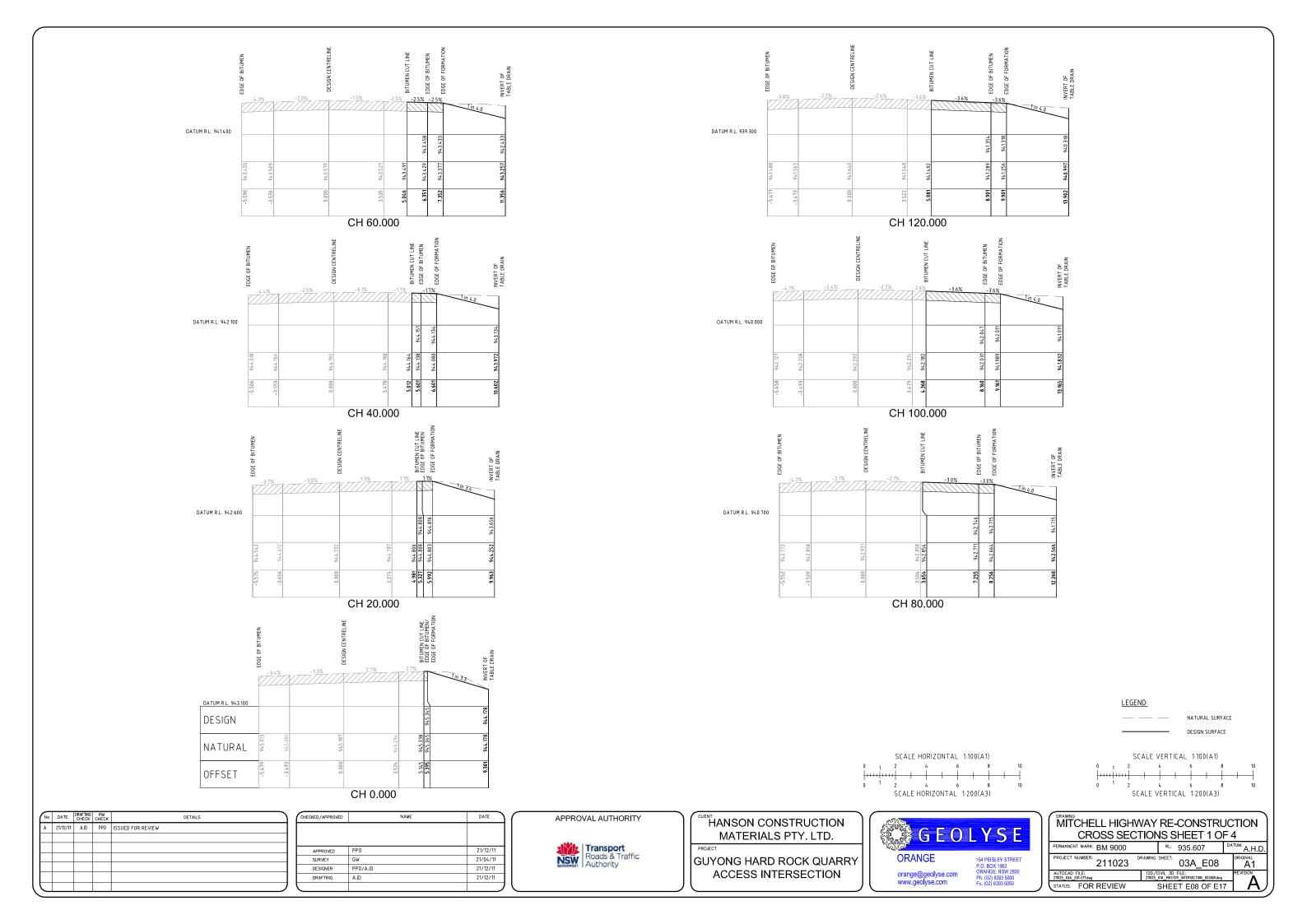
APPROVAL AUTHORITY

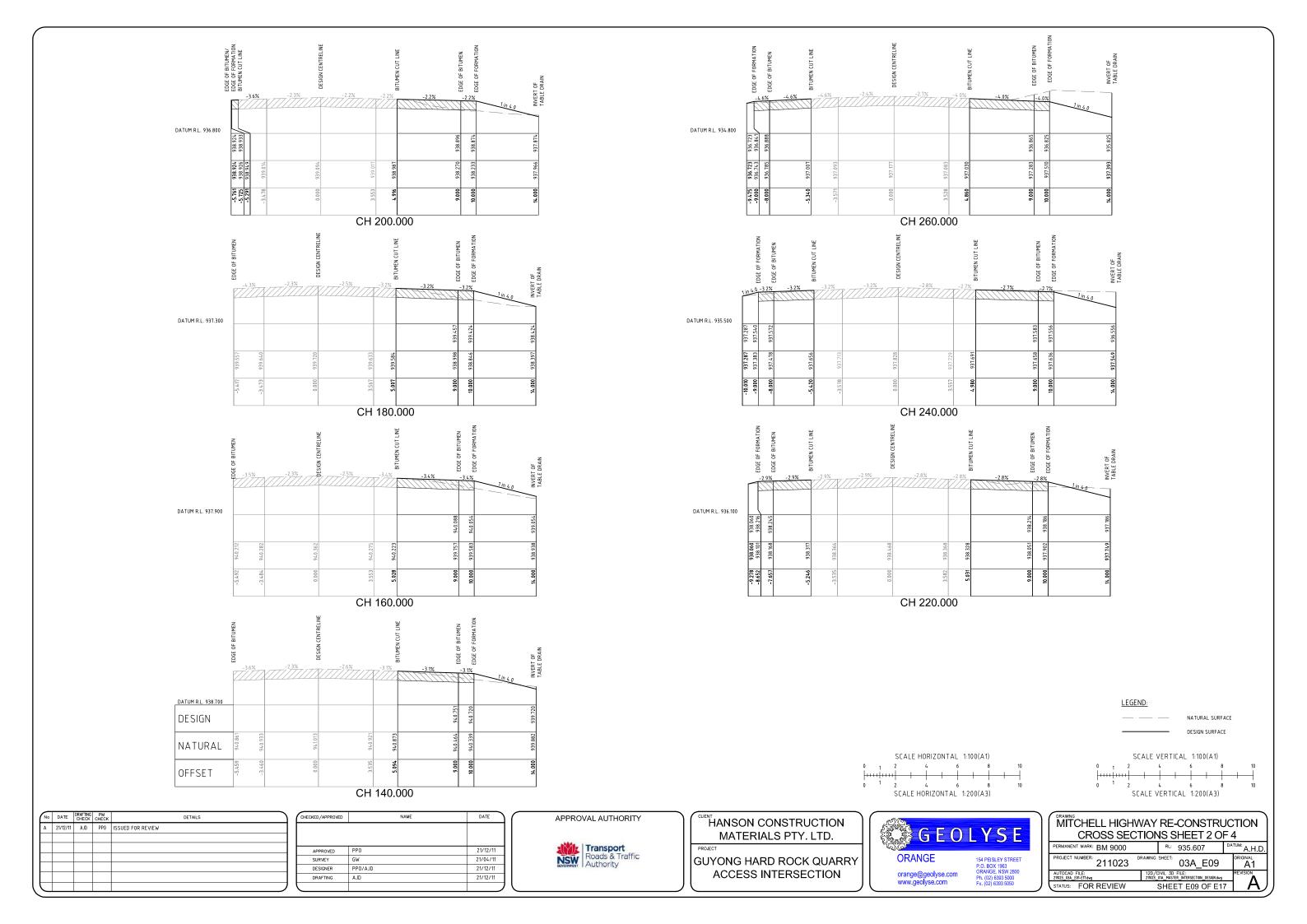


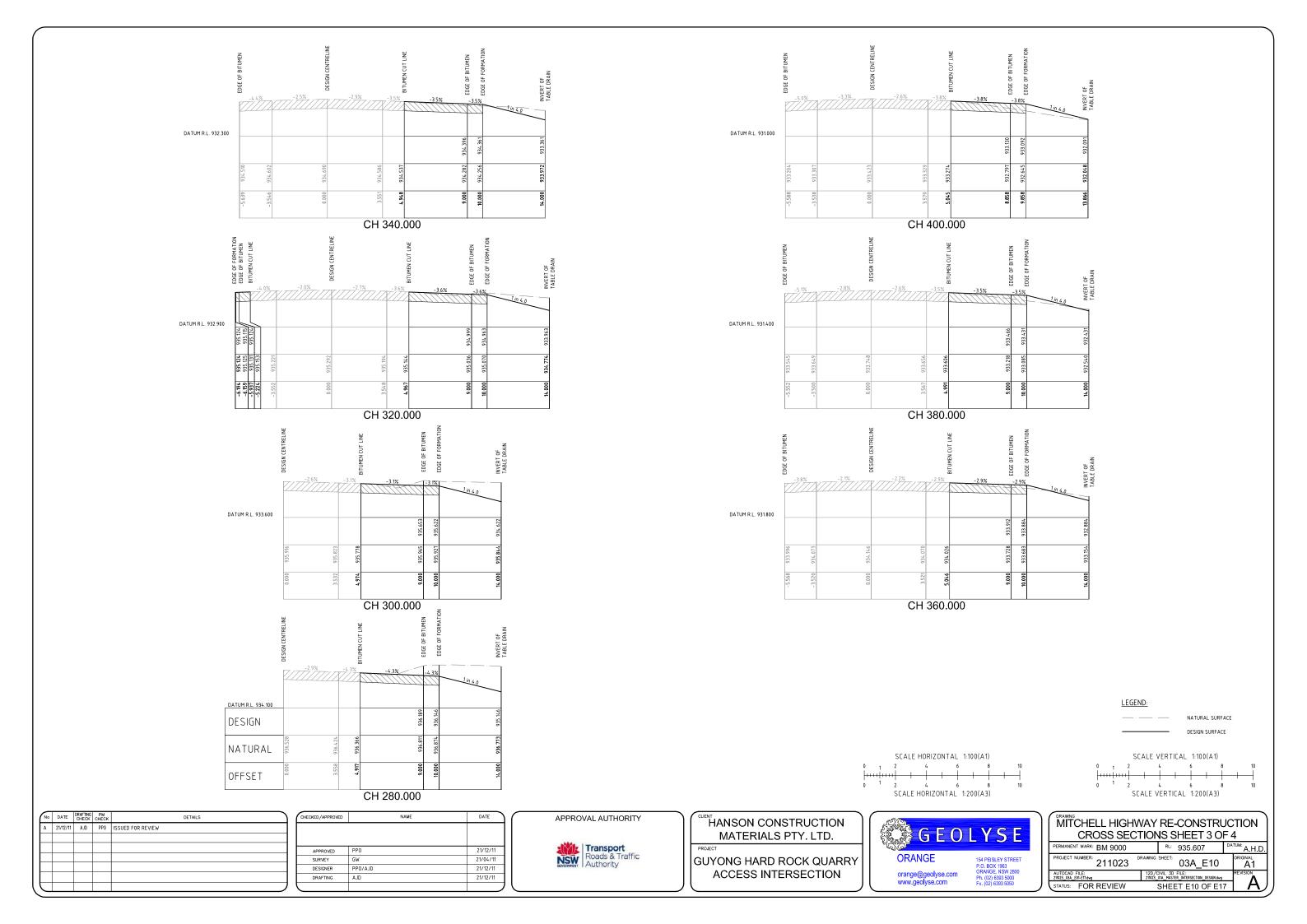
HANSON CONSTRUCTION MATERIALS PTY. LTD.

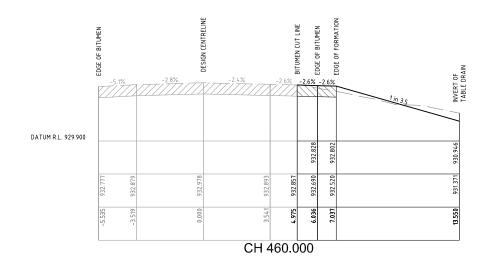
GEO	LYSE
ORANGE	154 PEISLEY STREET P.O. BOX 1963
orange@geolyse.com www.geolyse.com	ORANGE, NSW 2800 Ph. (02) 6393 5000 Fx. (02) 6393 5050

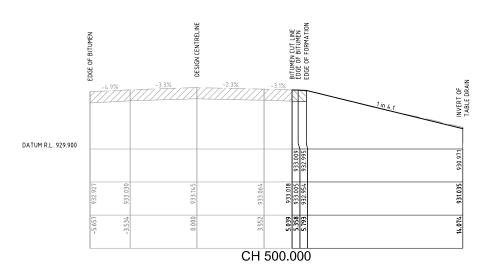
DRAWING ACC	ES	S R	OAD		
LONGITU	DIN	AL			
PERMANENT MARK: BM 9000		RL:	935.607	DAT	^{им:} A.H.D.
PROJECT NUMBER: 211023	RAWING	SHEET:	03A_E07		A1
AUTOCAD FILE: 211023_03A_E01-E17.dwg	12D/0 211023	CIVIL 3D 01A_MAST	FILE: ER_INTERSECTION_DESIGN.dwg	f	REVISION A
STATUS: FOR REVIEW		SHE	ET E07 OF E1	7	A

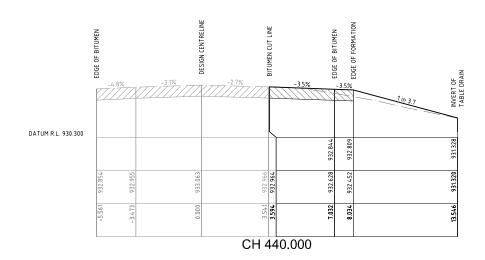


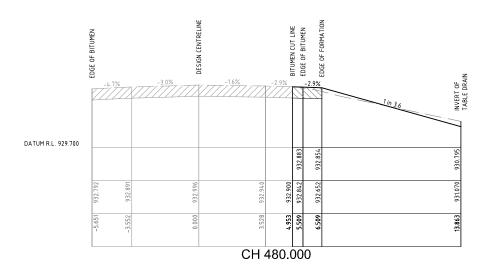


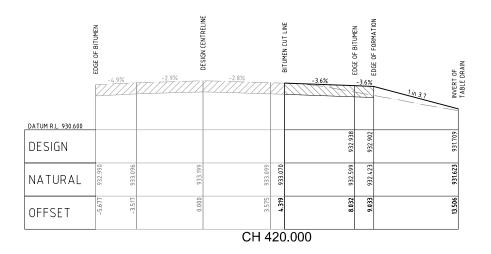


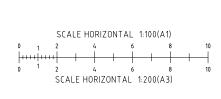








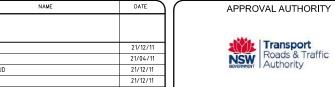




<u>LEGEND:</u>				
·-·	—	NATURAL SU	JRFACE	
	_	DESIGN SURF	ACE	
0 1 2	4	L 1:100(A1 6         6 L 1:200(A3	8 8	10 ————————————————————————————————————

No	DATE	DRAFTING CHECK	PM CHECK	DETAILS
Α	21/12/11	AJD	PP0	ISSUED FOR REVIEW

CHECKED/APPROVED	NAME	DATE	
APPROVED	PP0	21/12/11	
SURVEY	GW	21/04/11	
DESIGNER	PPO/AJD	21/12/11	
DRAFTING	AJD	21/12/11	



HANSON CONSTRUCTION MATERIALS PTY. LTD.

	G E O	LYSE
	ORANGE	154 PEISLEY STREET P.O. BOX 1963
$\ $	orange@geolyse.com www.geolyse.com	ORANGE, NSW 2800 Ph. (02) 6393 5000 Fx. (02) 6393 5050

MITCHELL HIGHWAY RE-CONSTRUCTION					
CROSS SECTIONS SHEET 4 OF 4					
PERMANENT MARK: BM 9000		RL: 935.607	DA.	^{тим:} A.H.D.	
PROJECT NUMBER: 211023	RAWING SH	03A_E11		ORIGINAL A1	
AUTOCAD FILE: 211023_03A_E01-E17.dwg		L 3D FILE: _MASTER_INTERSECTION_DESIGN.dwg		REVISION	
STATUS: FOR REVIEW	9	HEET E11 OF E1	7	$\mathbf{A}$	

- THIS PLAN IS PREPARED FROM A FIELD SURVEY FOR THE PURPOSE OF DESIGNING NEW CONSTRUCTIONS ON THE LAND AND SHOULD NOT BE USED FOR ANY OTHER PURPOSE.
- VISIBLE SERVICES HAVE BEEN LOCATED ONLY. PRIOR TO ANY DEMOLITION, EXCAVATION OR CONSTRUCTION ON THE SITE, THE RELEVANT AUTHORITIES SHOULD BE CONTACTED FOR LOCATION OF FURTHER UNDERGROUND SERVICES AND DETAILED LOCATIONS OF ALL SERVICES.
- 4. THESE NOTES ARE AN INTEGRAL PART OF THIS PLAN.

### GENERAL CONSTRUCTION NOTES:

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- ANY WORK TO EXISTING SERVICES THAT REQUIRE RELOCATION BY AUTHORITIES SHALL BE CARRIED OUT BY THE RELEVANT AUTHORITY BUT WITHIN THE TERMS OF THE CONTRACT AND SHALL BE CO-ORDINATED BY THE CONTRACTOR.
- TRAFFIC AND PEDESTRIAN CONTROL MEASURES IN ACCORDANCE WITH THE RTA'S TRAFFIC CONTROL AT WORK SITES ARE TO BE IN PLACE DURING ALL CONSTRUCTION WORKS.
- ALL BATTERS AND TABLE DRAIN AREAS SHALL BE TOPSOILED AND GRASSED UNLESS OTHERWISE SHOWN.
- THE CONTRACTOR SHALL REINSTATE ANY GRASSED AREAS OR TABLE DRAINS AFFECTED DURING CONSTRUCTION.
- ALL CONSTRUCTION WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH THE NEW SOUTH WALES ROADS AND TRAFFIC AUTHORITY'S STANDARDS.
- EROSION AND SEDIMENTATION CONTROL SHALL BE COMPLETED IN ACCORDANCE WITH SHEETS E16 AND E17.
- ALL LINE MARKING, GUIDEPOSTS, AND SIGNAGE SHALL BE CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH RTA SPECIFICATIONS AND AUSTRALIAN STANDARD AS 1742.1991.

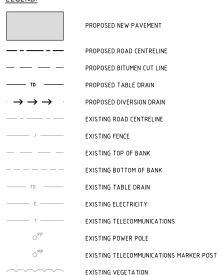
### TABLE OF SURVEY MARKS

MARK	EASTING	NORTHING	R.L.
BM 9004	709451.777	6300362.645	940.590
BM 9000	709591.601	6300314.453	935.607
BM 9001	709859.207	6300239.043	933.380

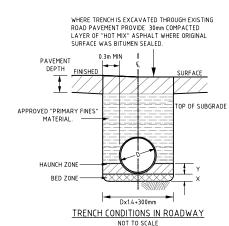
### PROPOSED CULVERT SETOUT TABLE

POINT	EASTING	NORTHING	I.L.
1	709566.499	6300330.282	935.670
2	709587.616	6300324.258	935.040

### LEGEND:

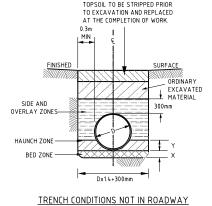


No	DATE	DRAFTING CHECK	PM CHECK	DETAILS
Α	21/12/11	AJD	PP0	ISSUED FOR REVIEW

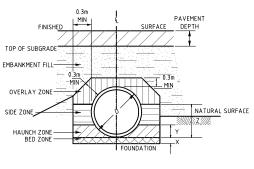


LOCALLY GRADE FROM INVERT OF EXISTING TABLE DRAIN TO PROPOSEI CULVERT INLET AT MINIMUM 1% TO DIRECT FLOWS INTO CULVERT

INSTALL PRECAST REINFORCED CONCRETE HEADWALL ON CULVERT INLET



NOT TO SCALE



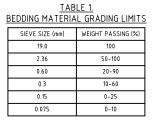
**EMBANKMENT CONDITIONS IN ROADWAY** 

NOT TO SCALE

INSTALL PRECAST REINFORCED



**HIGHWAY** 



SCALE 1:125(A1)

SCALE 1:250(A3)

CULVERT OUTLET TO INVERT OF EXISTING TABLE DRAIN AT MINIMUM 1% TO DIRECT FLOWS INTO DRAIN

### NOTES:

-MITCHELL

- PIPES SHALL BE LAID IN EITHER TRENCH OR EMBANKMENT CONDITIONS. PIPES LAID IN WIDE TRENCH CONDITIONS WILL BE DEEMED TO BE EMBANKMENT CONDITIONS, WIDE TRENCH CONDITIONS APPLY WHEN FOR A SINGLE PIPE, THE WIDTH OF TRENCH, W IS GREATER THAN OR EQUAL TO D + 1 METRES WHERE D = PIPE DIAMETER IN METRES
- PIPE INSTALLATION SHALL BE IN ACCORDANCE WITH THIS DRAWING AND AS 3725 FOR
- FOR ALL TRENCH AND EMBANKMENT CONDITIONS:
  - THE BEDDING MATERIAL FOR BOTH THE BED AND HAUNCH ZONES SHALL CONSIST
  - OF GRANULAR MATERIAL WITH PI < 6 AND GRADING COMPLYING WITH TABLE 1. THE MATERIAL SHALL BE PLACED AND COMPACTED IN LAYERS NOT EXCEEDING 150 mm THICK TO ACHIEVE RELATIVE COMPACTION OF 95% (PER T166) OR IF COHESIONLESS MATERIAL A DENSITY RATIO OF 70% (PER AS 1289)
- FOR TRENCH CONDITIONS (IN ROADWAY):

50mmø RCP CLASS 4 CULVERT 21.96m @ 2.87%

U/S II. 935.670 D/S II 935 040

- RENCH CUNDITIONS IN ROADWATE.
  THE TRENCH BACKFILL MATERIAL SHALL BE A GRANULAR MATERIAL (i.e. "PRIMARY FINES", CRUSHED ROCK MATERIAL OR EQUIVALENT) APPROVED BY THE SUPERINTENDENT.
  THE MATERIAL SHALL BE PLACED AND COMPACTED IN LAYERS NOT EXCEEDING 150mm (OR AS APPROPRIATE TO THE SIZE AND TYPE OF MACHINERY USED) IN ACCORDANCE WITH THE REQUIREMENTS OF THE GEOTECHNICAL REPORT PREPARED BY MACQUARIE GEOTECH (REPORT REF: 11/249 DATED 21 NOVEMBER 2011).
- FOR EMBANKMENT CONDITIONS ONLY (IN ROADWAY):

  a. SIDE AND OVERLAY ZONES SHALL CONSIST OF SELECT BACKFILL AND SHALL BE COMPACTED IN LAYERS NOT EXCEEDING 150mm (OR
  AS APPROPRIATE TO THE SIZE AND TYPE OF MACHINERY USED) IN ACCORDANCE WITH THE REQUIREMENTS OF THE GEOTECHNICAL REPORT PREPARED BY MACQUARIE GEOTECH (REPORT REF: 11/249 DATED 21 NOVEMBER 2011).
- THE MOISTURE CONTENT OF THE MATERIAL SHALL BE NOT MORE THAN 2% ABOVE THE OPTIMUM MOISTURE CONTENT IN ACCORDANCE WITH THE REQUIREMENTS OF THE GEOTECHNICAL REPORT PREPARED BY MACQUARIE GEOTECH (REPORT REF: 11/249 DATED 21 NOVEMBER 2011)

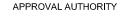
DATED 21 NOVEMBER 2011).

- FOR TRENCH CONDITIONS (NOT IN ROADWAY):

  a. SIDE AND OVERLAY ZONES SHALL CONSIST OF A GRANULAR MATERIAL (i.e. "PRIMARY FINES "CRUSHED ROCK MATERIAL) APPROVED BY THE SUPERNTENDENT.

  b. THE MATERIAL SHALL BE PLACED AND COMPACTED IN LAYERS NOT EXCEEDING 150mm (OR AS APPROPRIATE
- THE MALEKIAL SHALL BE PLALED AND LUMPHALED IN LAYERS NUT EXCEEDING SOMMINOR AS APPROPRIATE TO THE SIZE AND TYPE OF MACHINERY USED) IN ACCORDANCE WITH THE REQUIREMENTS OF THE GEOTECHNICAL REPORT PREPARED BY MACQUARIE GEOTECH (REPORT REF: 11/249 DATED 21 NOVEMBER 2011). ORDINARY EXCAVATED MATERIAL IS EXCAVATED TRENCH MATERIAL THAT IS FREE OF VEGETABLE MATTER, LARGE CLAY LUMPS AND ROCK BOUNDERS. THIS MATERIAL SHALL BE COMPACTED IN LAYERS NOT EXCEEDING 150mm (OR AS APPROPRIATE TO THE SIZE AND TYPE OF MACHINERY USED) IN ACCORDANCE WITH THE REQUIREMENTS OF THE GEOTECHNICAL REPORT PREPARED BY MACQUARIE GEOTECH (REPORT REF: 11/249 DATED 21 NOVEMBER 2011).
- THE MOISTURE CONTENT OF THE MATERIAL SHALL BE NOT MORE THAN 2% ABOVE THE OPTIMUM MOISTURE CONTENT IN ACCORDANCE WITH THE REQUIREMENTS OF THE GEOTECHNICAL REPORT PREPARED BY MACQUARIE GEOTECH (REPORT REF: 11/249 DATED 21 NOVEMBER 2011)..

CHECKED/APPROVED	NAME	DATE
APPROVED	PP0	21/12/11
SURVEY	GW	21/04/11
DESIGNER	PPO/AJD	21/12/11
DRAFTING	AJD	21/12/11





HANSON CONSTRUCTION MATERIALS PTY. LTD.



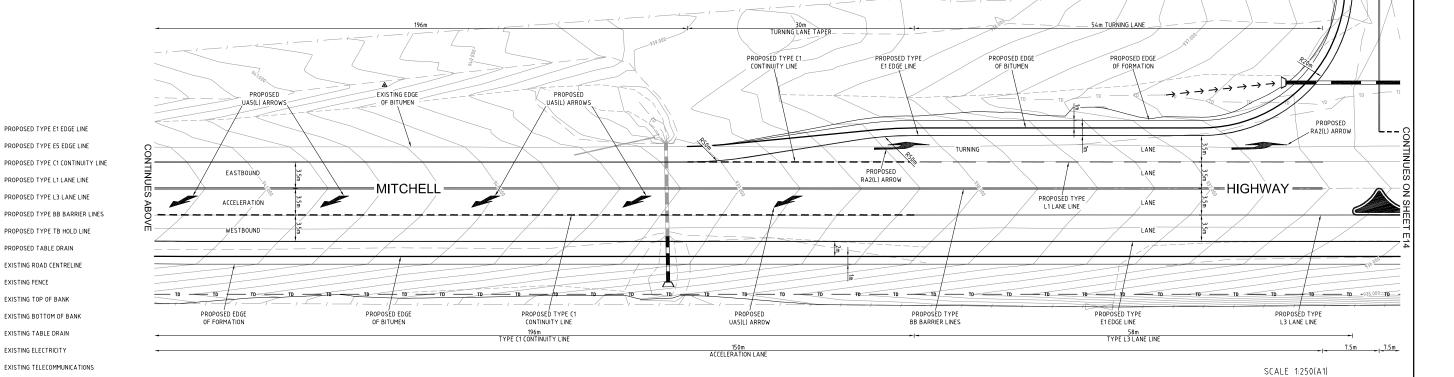
		R DRAINAGE LAY PICAL DETAILS	OUT
	PERMANENT MARK: BM 9000	RL: 935.607	DATUM: A.H.D
	PROJECT NUMBER: 211023	RAWING SHEET: 03A_E12	ORIGINAL A1
	AUTOCAD FILE: 211023_03A_E01-E17.dwg	12D/CIVIL 3D FILE: 211023_01A_MASTER_INTERSECTION_DESIGN.dwg	REVISION
J	STATUS: FOR REVIEW	SHEET E12 OF E17	7 A

LEGEND:

- THIS PLAN IS PREPARED FROM A FIELD SURVEY FOR THE PURPOSE OF DESIGNING NEW CONSTRUCTIONS ON THE LAND AND SHOULD NOT BE USED FOR ANY OTHER PURPOSE.
- VISIBLE SERVICES HAVE BEEN LOCATED ONLY. PRIOR TO ANY DEMOLITION, EXCAVATION OR CONSTRUCTION ON THE SITE, THE RELEVANT AUTHORITIES SHOULD BE CONTACTED FOR LOCATION OF FURTHER UNDERGROUND SERVICES AND DETAILED LOCATIONS OF ALL SERVICES.
- 3. CONTOUR INTERVAL 0.25m.
- 4. THESE NOTES ARE AN INTEGRAL PART OF THIS PLAN.



EXISTING EDGE LINE EXISTING EDGE PROPOSED TYPE PROPOSED TYPE PROPOSED UA5(L) ARROWS BB BARRIER LINES FROM ORANGE EASTBOUND MITCHELL TO ORANGE WESTBOUND EXISTING EDGE LINE PROPOSED EDGE OF FORMATION PROPOSED EDGE OF BITUMEN PROPOSED TYPE E1 EDGE LINE 196m
TYPE C1 CONTINUITY LINE 150m ACCELERATION LANE 100m ACCELERATION LANE TAPER



No	DATE	DRAFTING CHECK	PM CHECK	DETAILS
Α	21/12/11	AJD	PP0	ISSUED FOR REVIEW

EXISTING TELECOMMUNICATIONS MARKER POST

EXISTING POWER POLE

EXISTING VEGETATION

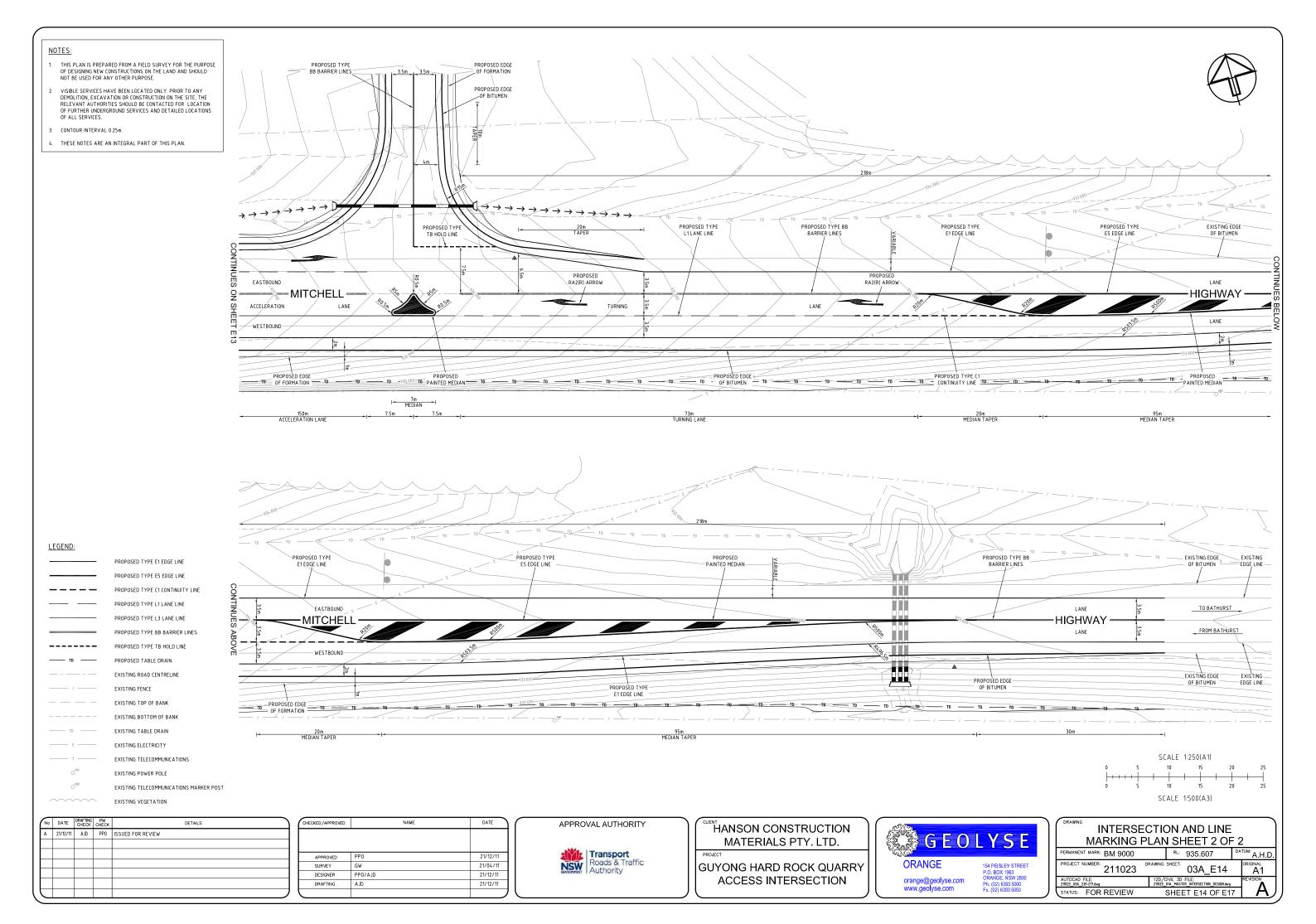
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APPROVED	PP0	21/12/11
SURVEY	GW	21/04/11
DESIGNER	PPO/AJD	21/12/11
DRAFTING	AJD	21/12/11

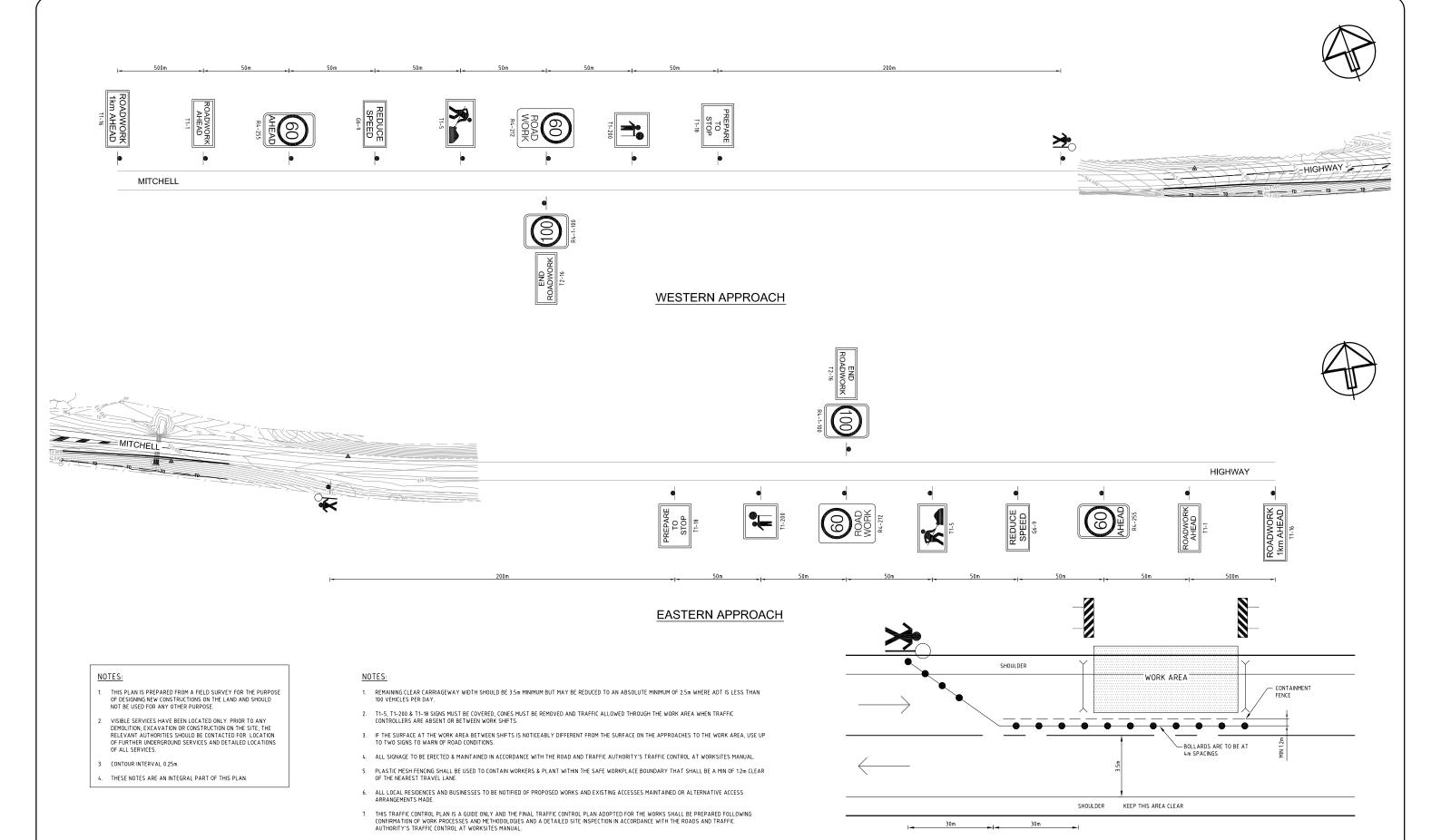


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MATERIALS PTY. LTD.



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CHECKED/APPROVED	NAME	DATE
APPROVED	PP0	21/12/11
SURVEY	GW	21/04/11
DESIGNER	PPO/AJD	21/12/11
DRAFTING	AJD	21/12/11

### APPROVAL AUTHORITY



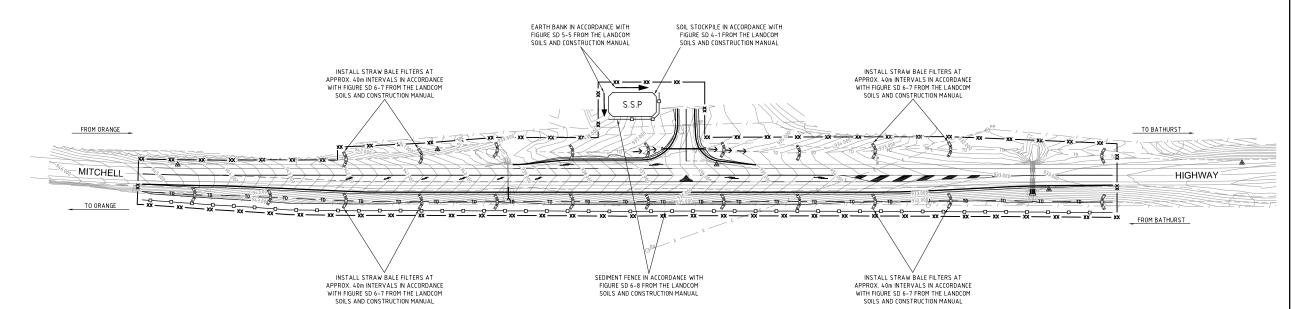
# HANSON CONSTRUCTION MATERIALS PTY. LTD.



	DRAWING TRAFFIC	COI	NTF	ROL PLAN		
	PERMANENT MARK: BM 9000		RL:	935.607	DA	™ A.H.D.
	PROJECT NUMBER: 211023	RAWING	SHEET:	03A_E15		ORIGINAL A1
	AUTOCAD FILE: 211023_03A_E01-E17.dwg	12D/0 211023_	DIVIL 3D 01A_MAST	FILE: ER_INTERSECTION_DESIGN.dwg		REVISION
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- THIS PLAN IS PREPARED FROM A FIELD SURVEY FOR THE PURPOSE OF DESIGNING NEW CONSTRUCTIONS ON THE LAND AND SHOULD NOT BE USED FOR ANY OTHER PURPOSE.
- VISIBLE SERVICES HAVE BEEN LOCATED ONLY. PRIOR TO ANY DEMOLITION, EXCAVATION OR CONSTRUCTION ON THE SITE, THE RELEVANT AUTHORITIES SHOULD BE CONTACTED FOR LOCATION OF FURTHER UNDERGROUND SERVICES AND DETAILED LOCATIONS OF ALL SERVICES.
- 4. THESE NOTES ARE AN INTEGRAL PART OF THIS PLAN.

- ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE IMPLEMENTED IN ACCORDANCE WITH THE LANDCOM SOILS AND CONSTRUCTION MANUAL.
- ALL REFERENCES TO STANDARD DRAWINGS REFER TO THE SOILS AND CONSTRUCTION HANDBOOK VOLUME 1 2004; REFER TO SHEET E17 FOR DETAILS.



### LEGEND:

SEDIMENT FENCE IN ACCORDANCE WITH FIGURE SD 6-8 FROM THE LANDCOM SOILS AND CONSTRUCTION MANUAL

S.S.P

SOIL STOCKPILE IN ACCORDANCE WITH FIGURE SD 4-1 FROM THE LANDCOM SOILS AND CONSTRUCTION MANUAL EARTH BANK IN ACCORDANCE WITH FIGURE SD 5-5 FROM



THE LANDCOM SOILS AND CONSTRUCTION MANUAL STRAW BALE FILTER IN ACCORDANCE WITH FIGURE SD 6-7 FROM THE LANDCOM SOILS AND CONSTRUCTION MANUAL



EXISTING ROAD CENTRELINE

EXISTING ELECTRICITY

EXISTING TELECOMMUNICATIONS EXISTING POWER POLE

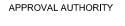
EXISTING TOP OF BANK

EXISTING TABLE DRAIN

EXISTING TELECOMMUNICATIONS MARKER POST EXISTING VEGETATION

No DATE DRAFTING PM CHECK CHECK AJD PPO ISSUED FOR REVIEW

CHECKED/APPROVED	NAME	DATE
APPROVED	PP0	21/12/11
SURVEY	GW	21/04/11
DESIGNER	PPO/AJD	21/12/11
DRAFTING	AJD	21/12/11





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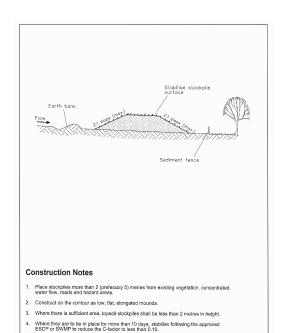
GUYONG HARD ROCK QUARRY **ACCESS INTERSECTION** 



١	DRAWING	( PRAWING EROSION AND									
l	SEDIMEN	TATION CO	ONTROL P	'LAN							
l	PERMANENT MARK: BM 90	00 RL:	935.607	DATUM: A.H.D.							
	PROJECT NUMBER: 2110	23 DRAWING SHEET	03A_E16	ORIGINAL A1							
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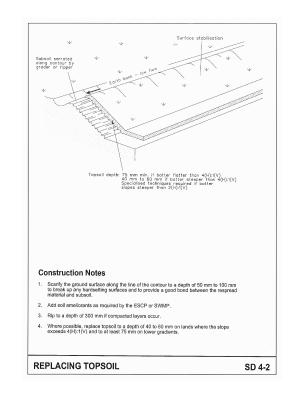
SCALE 1:1000(A1)

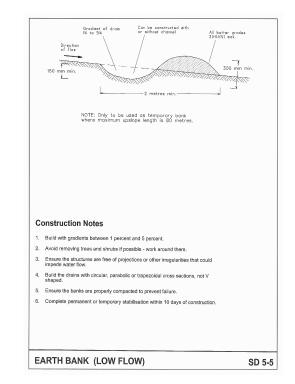
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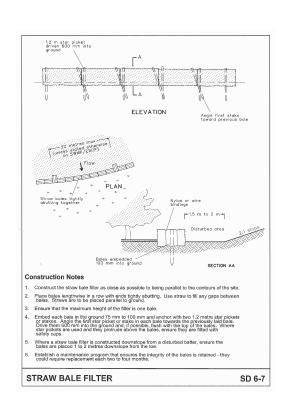


. Construct earth banks (Standard Drawing 5-5) on the upslope side to divert water around stockpiles and sediment fences (Standard Drawing 6-8) 1 to 2 metres downslope.

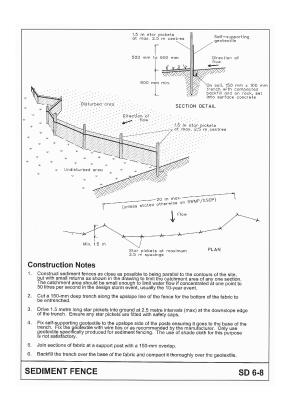
STOCKPILES





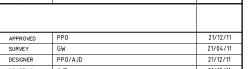


SD 4-1



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APPROVED	PP0	21/12/11
SURVEY	GW	21/04/11
DESIGNER	PPO/AJD	21/12/11
DRAFTING	AJD	21/12/11





HANSON CONSTRUCTION MATERIALS PTY. LTD.

GEO	LYSE
ORANGE	154 PEISLEY STREET P.O. BOX 1963
orange@geolyse.com www.geolyse.com	ORANGE, NSW 2800 Ph. (02) 6393 5000 Fx. (02) 6393 5050

۱ (	EROSION AND				
SEDIMENTATION CONTROL FIGU					SURES
П	PERMANENT MARK: BM 9000		RL:	935.607	DATUM: A.H.D.
	PROJECT NUMBER: 211023	RAWING	SHEET:	03A_E17	ORIGINAL A1
	AUTOCAD FILE: 211023_03A_E01-E17.dwg	12D/CIVIL 3D FILE: 211023_01A_MASTER_INTERSECTION_DESIGN.dwg			REVISION
) '	STATUS: FOR REVIEW	SHEET E17 OF E17			7 A