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ORDNANCE SURVEY IRELAND
LICENCE NUMBER
AR0056008

Client:
CEMEX (RO) LTD

Project:
Walshestown Pit Restoration

Location:
Walshestown, Co. Kildare

Title:
EXISTING SITE CONDITIONS

Project No. 07507150231 Checked by PK
File No. 8.1 Approved by GFP
Created by CC

ISSUE TO KILDARE CO. CO DEC. '08 A

Description Date Vers

Scale 1:4,000A3 1:6,000A4 Date December 21

LEGEND	
—	APPLICATION SITE BOUNDARY
E	SURFACE WATER CATCHMENT
---	SURFACE WATER CATCHMENT BOUNDARY
---	EXISTING GROUND SURFACE CONTOURS (MAOD-2m INTERVAL)
—	OPEN FIELD DRAIN
—	DRY DITCH
—	CULVERT
■	WATER BODY
→	SURFACE WATER FLOW DIRECTION
●	RESIDENTS ADJACENT
⊕	BENCH MARK






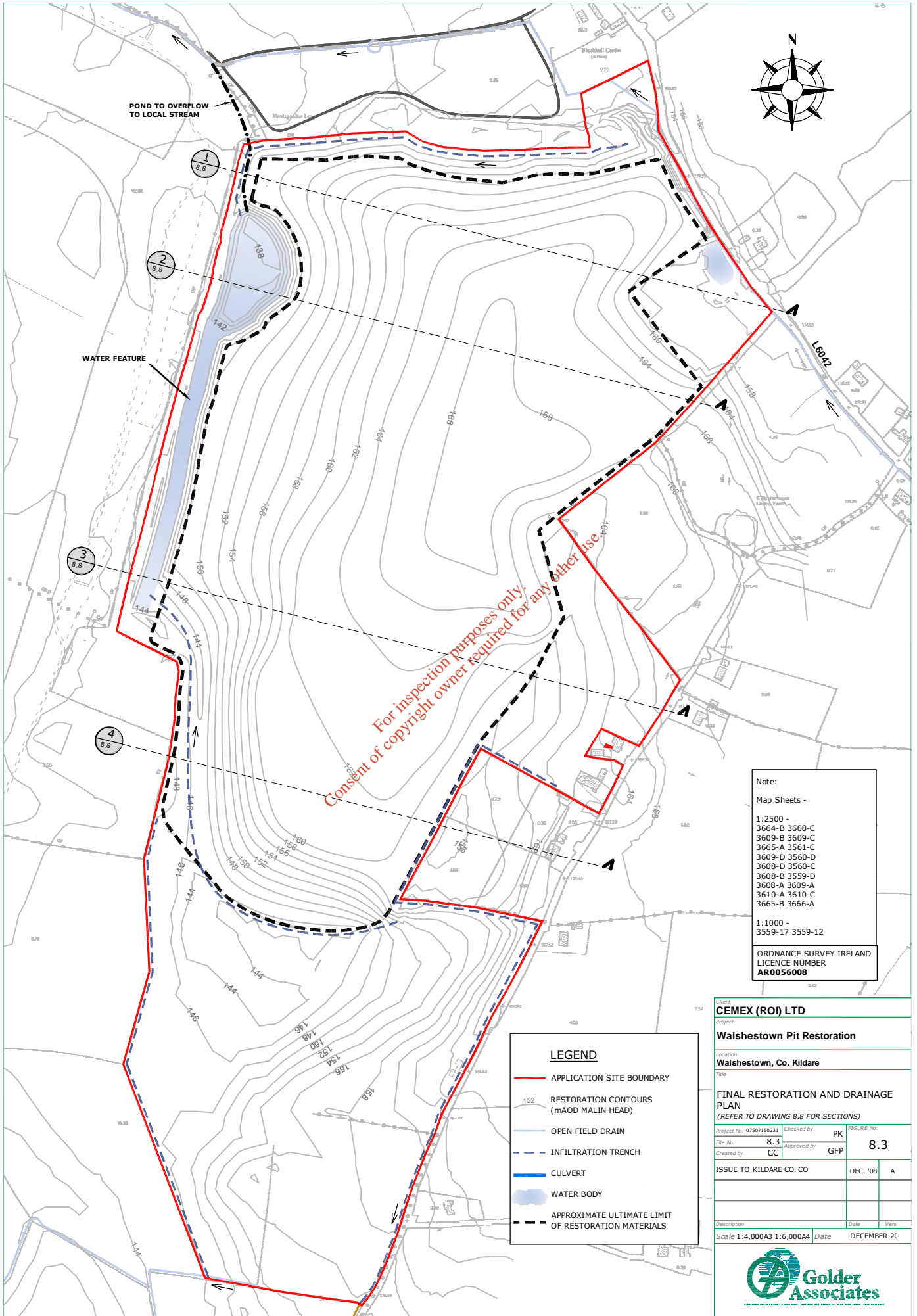
L602

APPLICATION SITE BOUNDAR

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ORDNANCE SURVEY IRELAND
LICENCE NUMBER
AR0056008

Company CEMEX (RO) LTD			
Project Walshestown Pit Restoration			
Location Walshestown, Co. Kildare			
Title AERIAL PHOTO (2005)			
Project No. 07507150231	Checked by	PK	FIGURE No.
File No. 8.2	Approved by	GP	8.2
Created by	CC		
ISSUE TO KILDARE CO. CO	DEC. '08	A	
Description	Date	Version	
Scale 1:4,000A3 1:6,000A4	Date	December 21	
 Golder Associates <small>WORLDWIDE LEADERS IN PROJECT DELIVERY</small>			



POND TO OVERFLOW TO LOCAL STREAM

WATER FEATURE

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Note:
Map Sheets -
1:2500 -
3664-B 3608-C
3609-B 3609-C
3665-A 3561-C
3609-D 3560-D
3608-D 3560-C
3608-B 3559-D
3608-A 3609-A
3610-A 3610-C
3665-B 3666-A

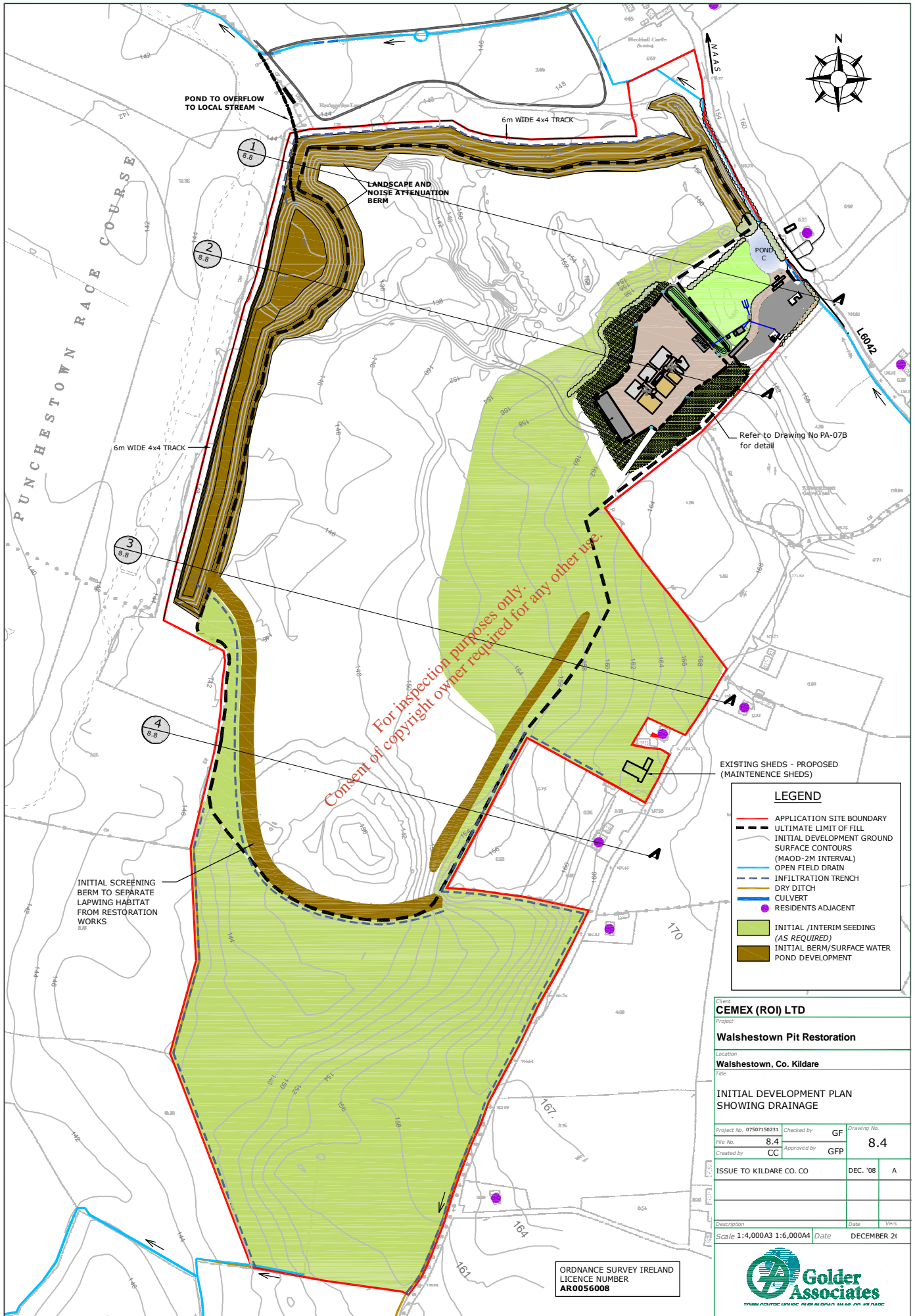
1:1000 -
3559-17 3559-12

ORDNANCE SURVEY IRELAND
LICENCE NUMBER
AR0056008

LEGEND	
	APPLICATION SITE BOUNDARY
	RESTORATION CONTOURS (mAOD MALIN HEAD)
	OPEN FIELD DRAIN
	INFILTRATION TRENCH
	CULVERT
	WATER BODY
	APPROXIMATE ULTIMATE LIMIT OF RESTORATION MATERIALS

Client: **CEMEX (RO) LTD**
Project: **Walshestown Pit Restoration**
Location: **Walshestown, Co. Kildare**
Title: **FINAL RESTORATION AND DRAINAGE PLAN (REFER TO DRAWING 8.8 FOR SECTIONS)**

Project No. 07507150231	Checked by PK	FIGURE No. 8.3
File No. 8.3	Approved by GFP	
Created by CC		
ISSUE TO KILDARE CO. CO	DEC. '08	A
Description	Date	Version
Scale 1:4,000A3 1:6,000A4	Date	DECEMBER 21



POND TO OVERFLOW TO LOCAL STREAM

6m WIDE 4x4 TRACK

LANDSCAPE AND NOISE ATTENUATION BERM

6m WIDE 4x4 TRACK

Refer to Drawing No PA-07B for detail

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INITIAL SCREENING BERM TO SEPARATE LAPWING HABITAT FROM RESTORATION WORKS

EXISTING SHEDS - PROPOSED (MAINTENANCE SHEDS)

LEGEND	
	APPLICATION SITE BOUNDARY
	ULTIMATE LIMIT OF FILL
	INITIAL DEVELOPMENT GROUND SURFACE CONTOURS
	MAOD-2M INTERVAL
	OPEN FIELD DRAIN
	INFILTRATION TRENCH
	DRY DITCH
	CULVERT
●	RESIDENTS ADJACENT
	INITIAL /INTERIM SEEDING (AS REQUIRED)
	INITIAL BERM/SURFACE WATER POND DEVELOPMENT

Client: CEMEX (RO) LTD
Project: Walshestown Pit Restoration
Location: Walshestown, Co. Kildare
Title: INITIAL DEVELOPMENT PLAN SHOWING DRAINAGE

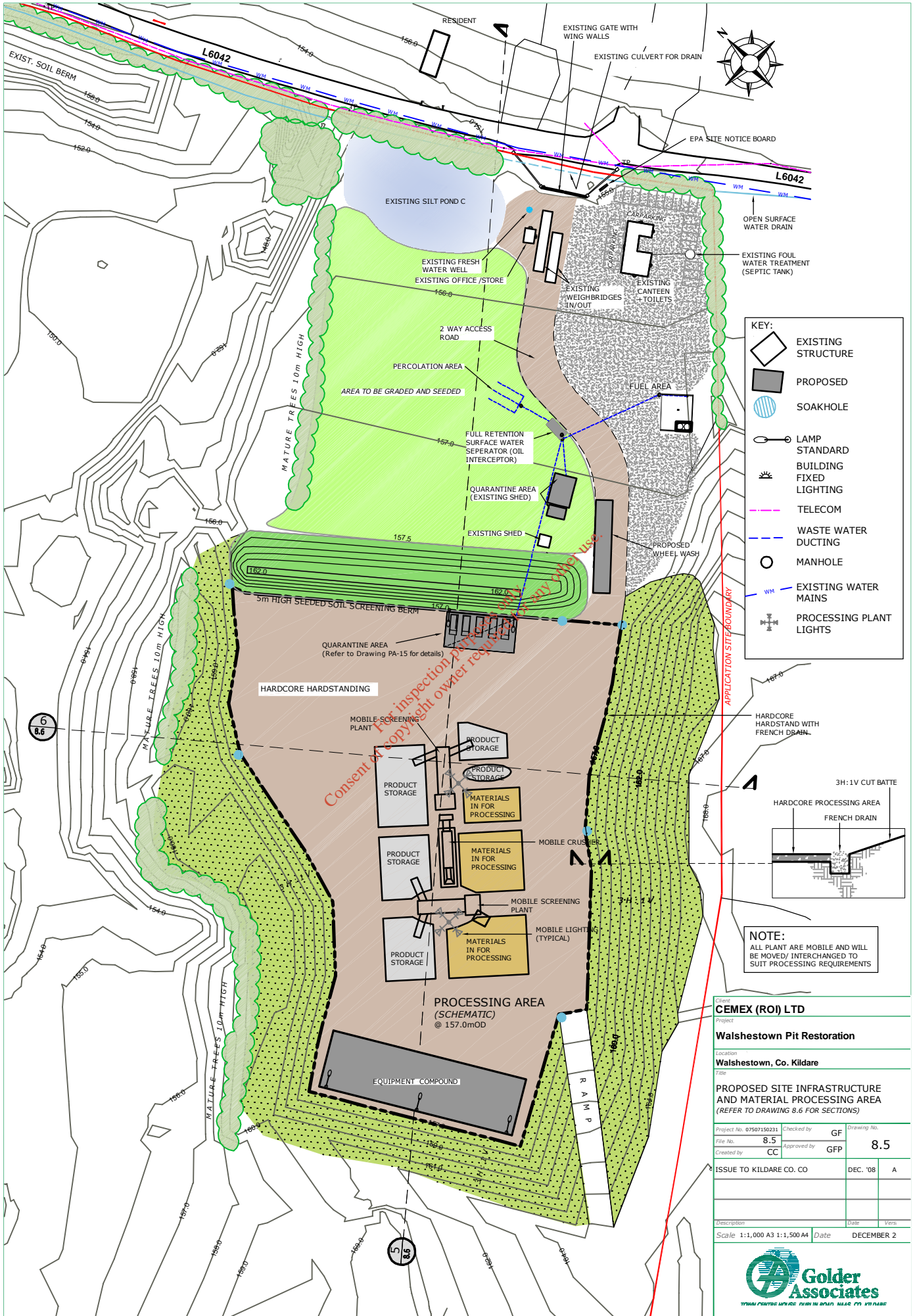
Project No. 07507150231	Checked by GF	Drawing No. 8.4
File No. 8.4	Approved by GFP	
Created by CC		

ISSUE TO KILDARE CO. CO	DEC. '08	A
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Description: _____ Date: _____ Vers: _____
 Scale 1:4,000A3 1:6,000A4 Date: DECEMBER 21

Golder Associates
PLANNING AND ENVIRONMENTAL SERVICES

ORDNANCE SURVEY IRELAND LICENCE NUMBER AR0056008

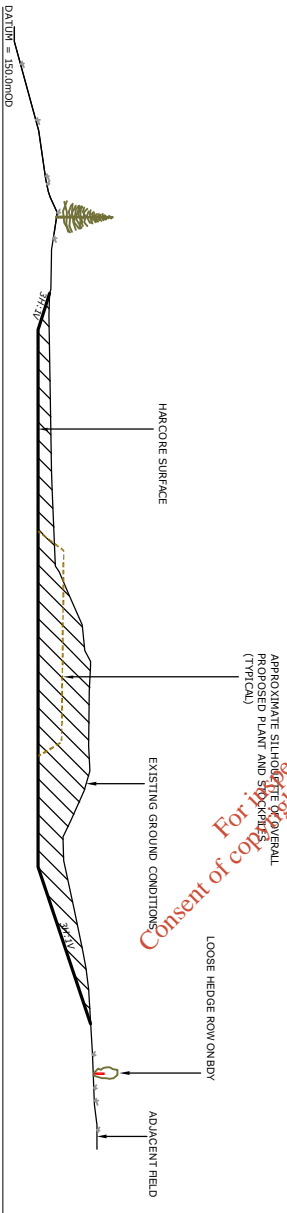
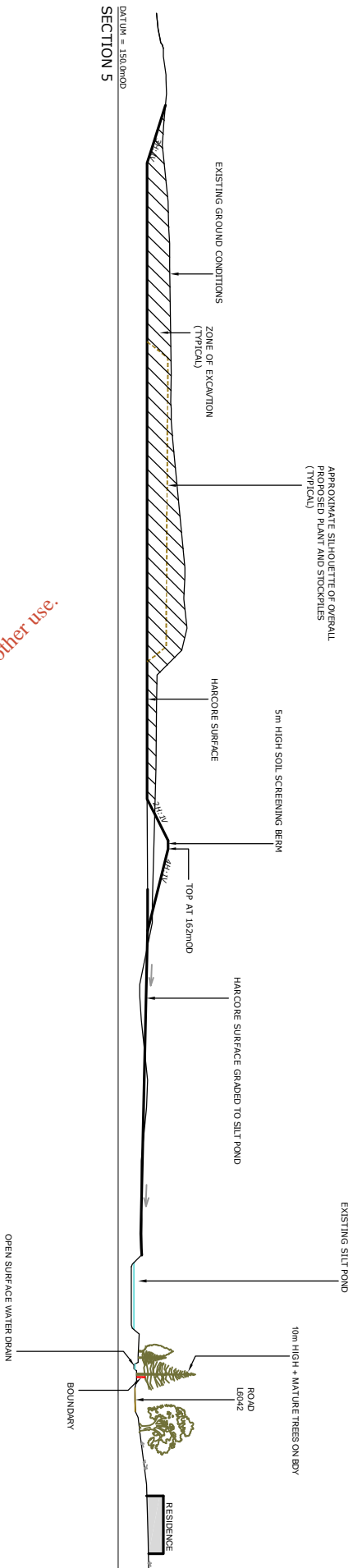


- KEY:**
- EXISTING STRUCTURE
 - PROPOSED
 - SOAKHOLE
 - LAMP STANDARD
 - BUILDING FIXED LIGHTING
 - TELECOM
 - WASTE WATER DUCTING
 - MANHOLE
 - EXISTING WATER MAINS
 - PROCESSING PLANT LIGHTS

NOTE:
ALL PLANT ARE MOBILE AND WILL BE MOVED/ INTERCHANGED TO SUIT PROCESSING REQUIREMENTS

CEMEX (RO) LTD			
Project			
Walshestown Pit Restoration			
Location			
Walshestown, Co. Kildare			
Title			
PROPOSED SITE INFRASTRUCTURE AND MATERIAL PROCESSING AREA (REFER TO DRAWING 8.6 FOR SECTIONS)			
Project No. 07507150231	Checked by GF	Drawing No.	
File No. 8.5	Approved by GFP	8.5	
Created by CC			
ISSUE TO KILDARE CO. CO	DEC. '08	A	
Description	Date	Vers	
Scale 1:1,000 A3 1:1,500 A4	Date	DECEMBER 2	

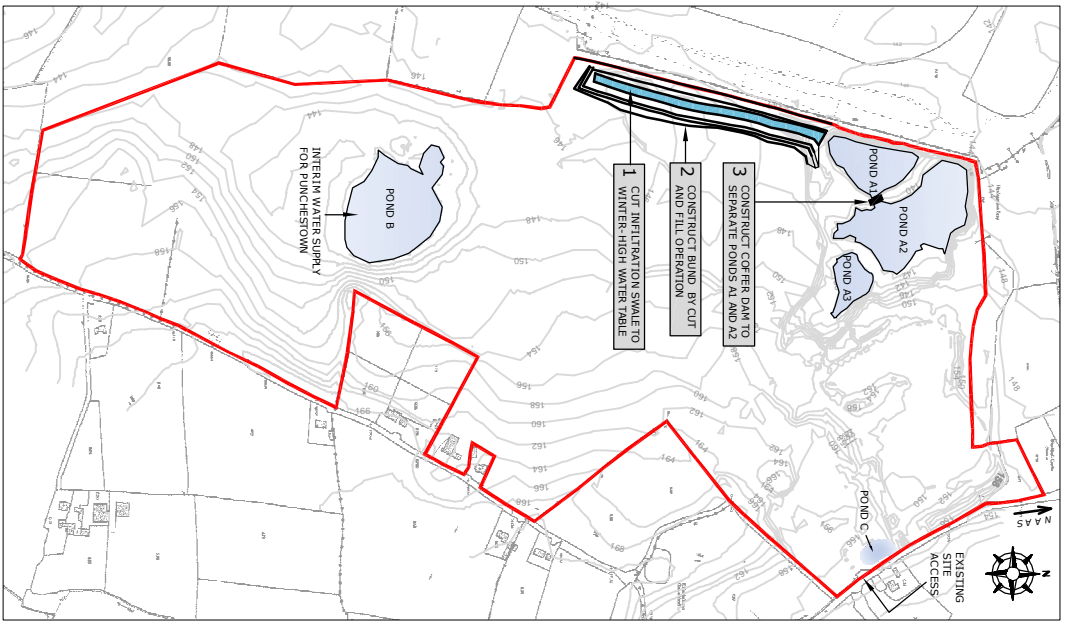




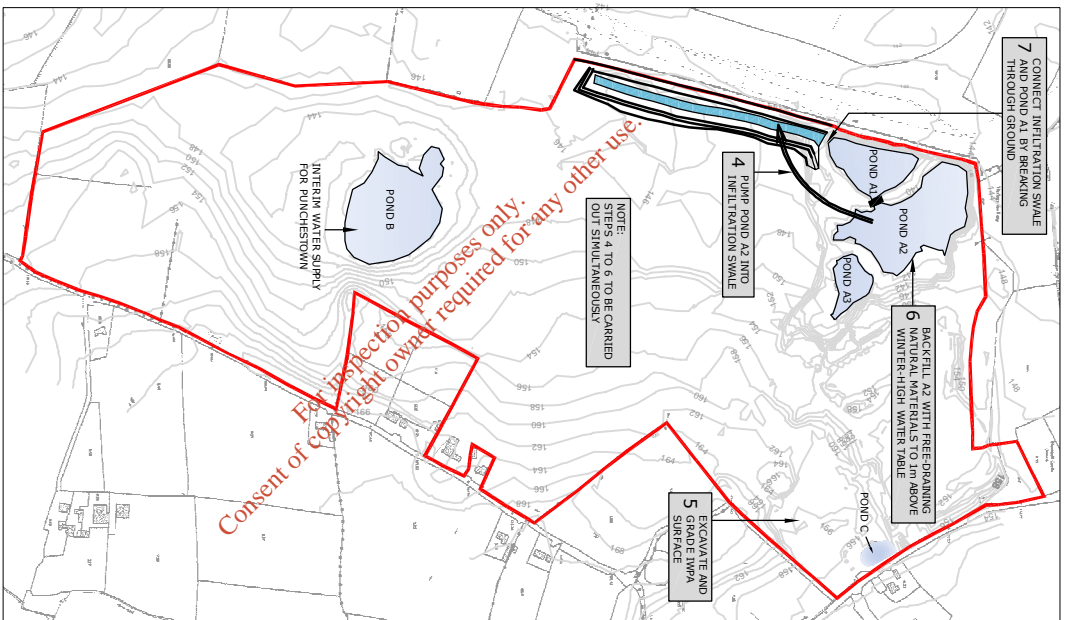
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Client	
CEMEX (ROI) LTD	
Project	
Walshstown Pit Restoration	
Location	
Walshstown, Co. Kildare	
Facility Reception and Material Processing Area:	
CROSS SECTIONS 5 and 6	
(REFER TO DRAWING 4.3 FOR SECTION LOCATIONS)	
Project No. 07001500231	Checked by GF
File No. 8.6	Drawing No. 8.6
Created by CC	Approved by GFP
ISSUE TO KILDARE CO. CO	DEC. 08
	A
Description	Date
Scale: 1:1000 A3 1:1,500 A4	DECEMBER 21

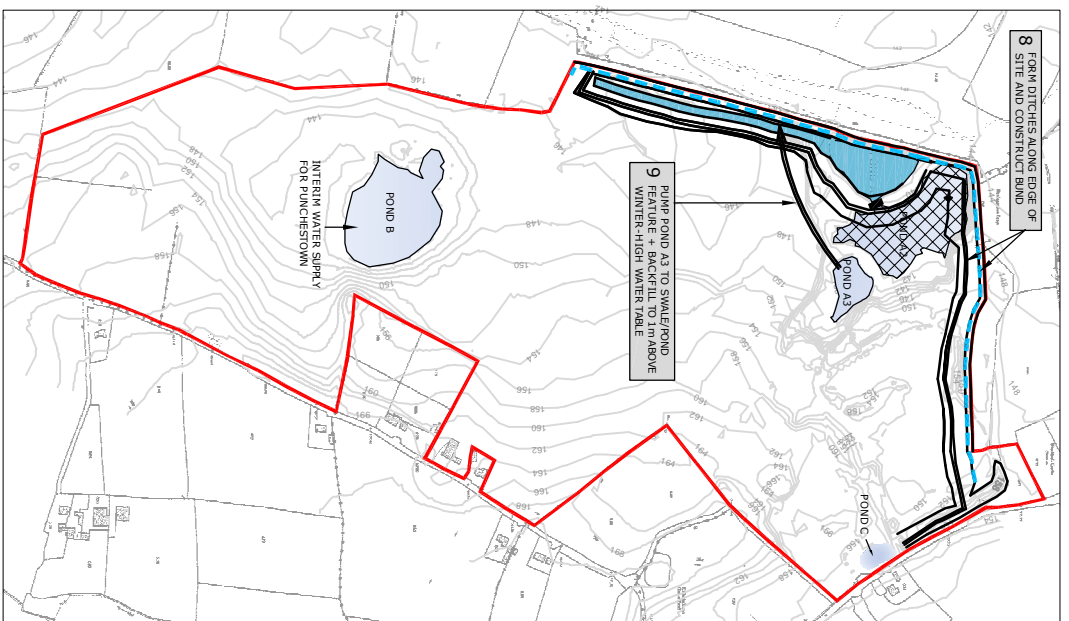
Golder Associates
TOWN CENTRE HOUSES, TULLIN ROAD, NAAS, CO. KILDARE
www.golder.com email: info@golder.ie



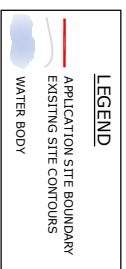
INITIAL DRAINAGE WORKS - VIEW A




INITIAL DRAINAGE WORKS - VIEW B

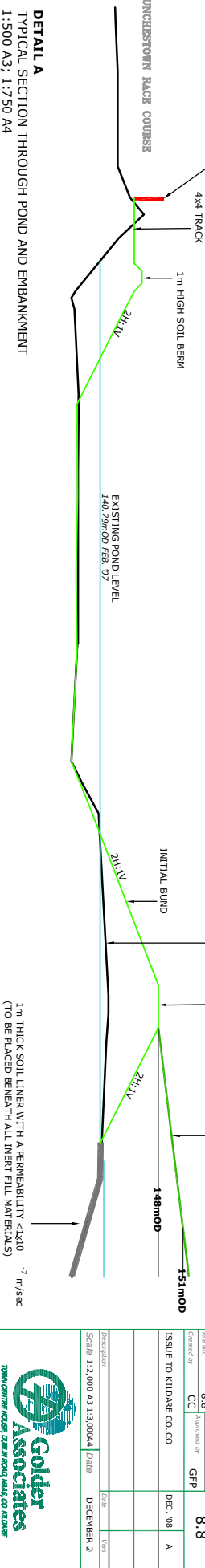
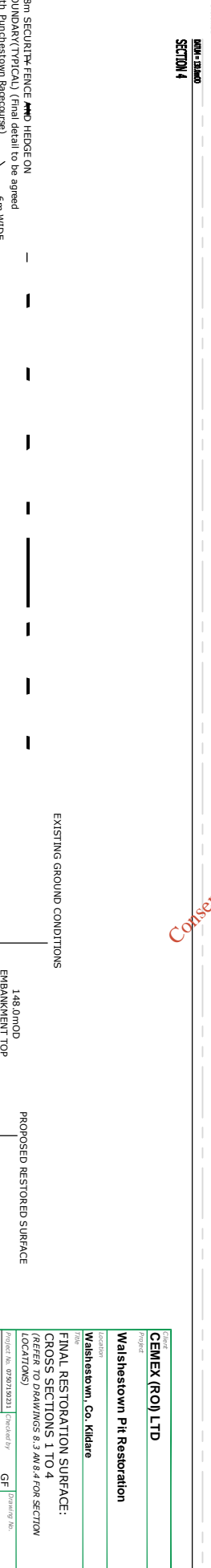
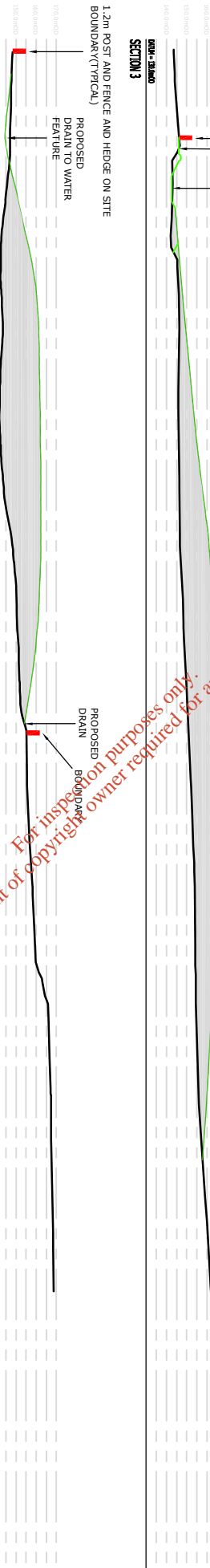
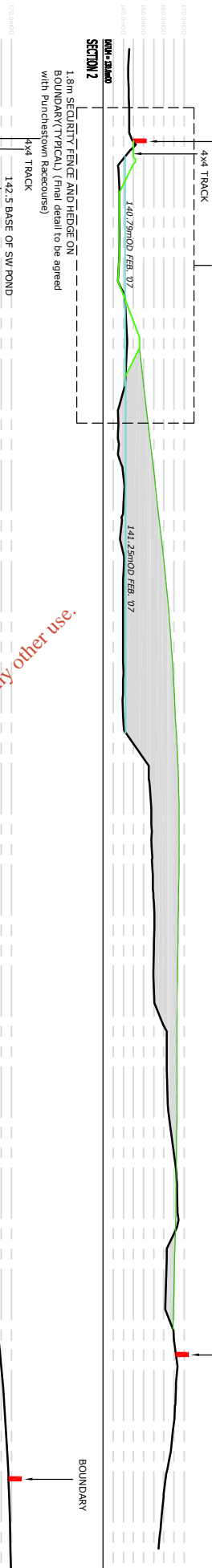
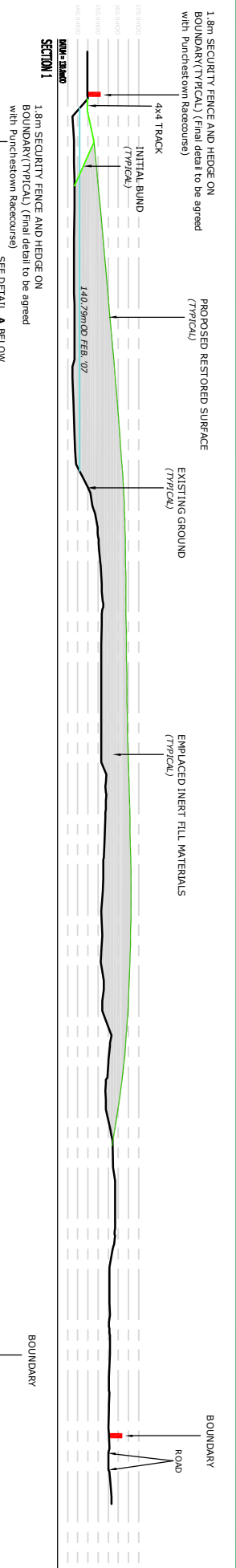


INITIAL DRAINAGE WORKS - VIEW C



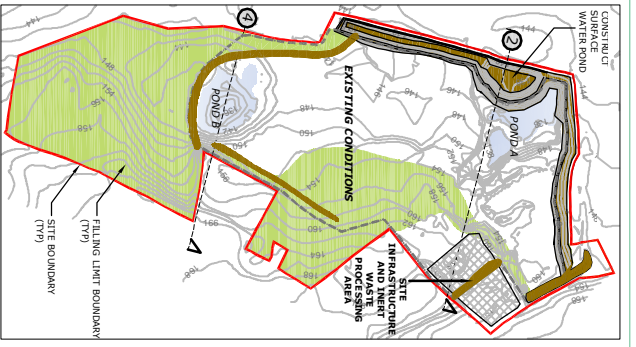
 <p>Golder Associates <small>TOPOGRAPHIC SURVEY DATA FROM THE 2011 ORDNANCE SURVEY (IRL) SERIES 81/16 AND 81/17 TEL: 045 816 1111 - FAX: 045 816 1100 - www.golder.com</small></p>		<p>Client: CEMEX (RO) LTD</p> <p>Location: Walshestown, Co.Kildare</p> <p>Project: Walshestown Pit Restoration</p>
<p>Project number: 07507150231</p> <p>File Location: MINING/AT/CO/AD/READY/NEW WALSHESTOWN/01231 STAGE III/BS/SERIES 81/16 & 17</p> <p>ORDNANCE SURVEY (IRELAND) LICENCE NUMBER: AR0056008</p>	<p>Created by: CC</p> <p>Checked by: PK</p> <p>Approved by: GFP</p>	<p>Issue to: ISSUE TO KCC</p> <p>Date: DEC. 08</p> <p>Version: A</p> <p>Title: SEQUENCING OF INITIAL DRAINAGE WORKS</p> <p>Scale: N.T.S</p>
		<p>Figure No.: 8.7</p>

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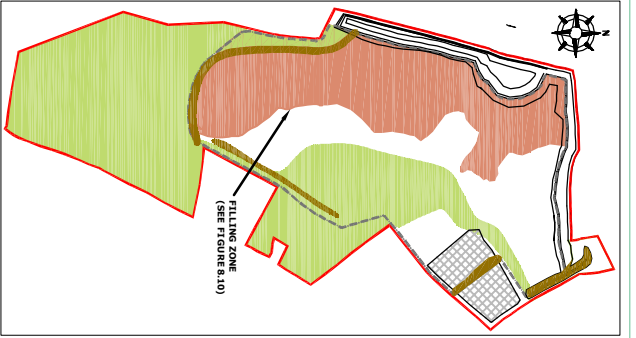


Client		CEMEX (ROI) LTD	
Project		Walshestown Pit Restoration	
Location		Walshestown, Co. Kildare	
FINAL RESTORATION SURFACE: CROSS SECTIONS 1 TO 4 (REFER TO DRAWINGS 8.3 AND 8.4 FOR SECTION LOCATIONS)			
Project No.	0790159231	Checked by	GF
File No.	8.8	Approved by	GF
Created by	CC	Issue No.	8.8
ISSUE TO KILDARE CO. CO		Date	DEC. '08
		Drawn by	A
Scale	1:2,000 A3, 1:3,000 A4	Date	DECEMBER 2 2008

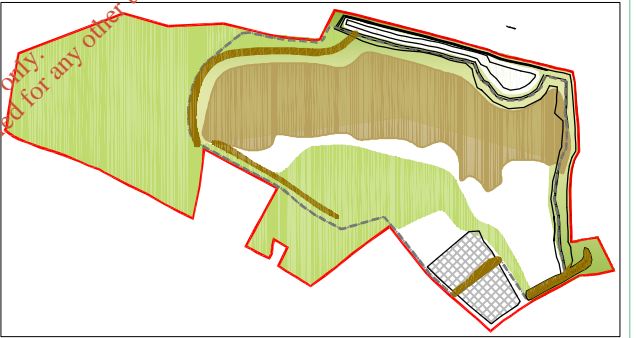




YEAR 0-1.0
CONSTRUCT BERMS, SURFACE WATER MANAGEMENT FEATURES AND SITE INFRASTRUCTURE



YEAR 1.0-3.0
INERT FILL TO 148MOD AND FILL EXISTING PONDS



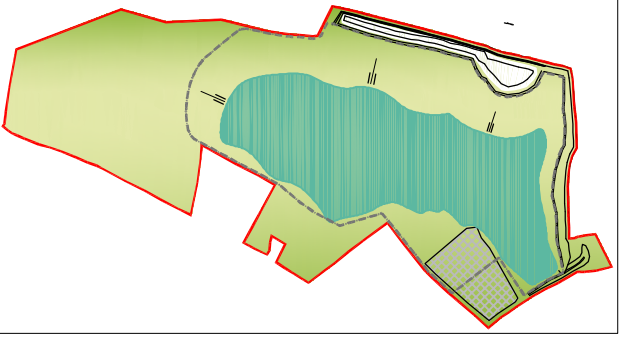
YEAR 3.0-4.5
INERT FILL FROM 149MOD TO 151MOD



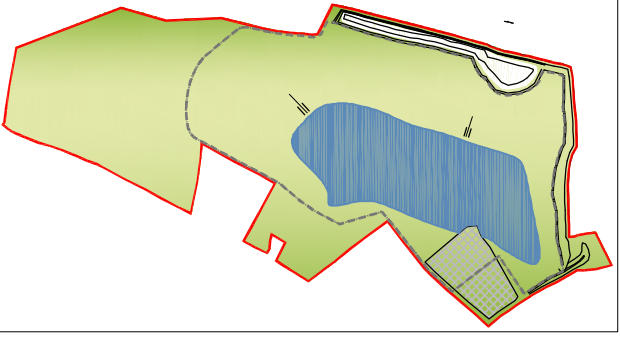
YEAR 4.5-6.0
INERT FILL FROM 151MOD TO 154MOD



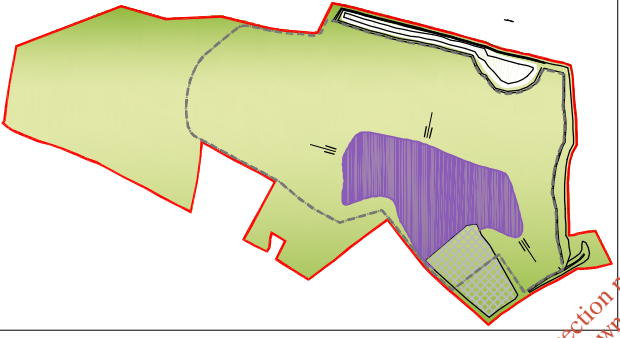
YEAR 6.0-8.5
INERT FILL FROM 154MOD TO 157MOD



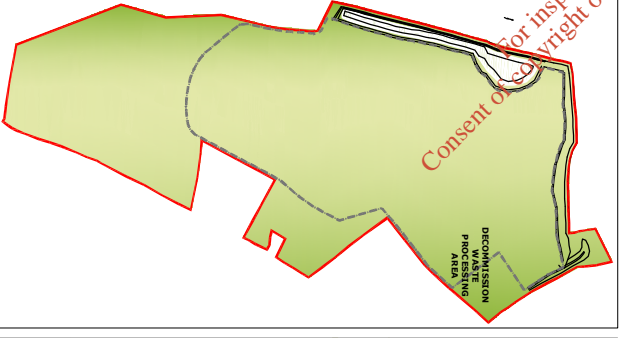
YEAR 8.5-10.5
INERT FILL FROM 157MOD TO 160MOD



YEAR 10.5-12.0
INERT FILL FROM 160MOD TO 163MOD



YEAR 12.0-13.0
INERT FILL FROM 163MOD TO 166MOD



YEAR 13.0-13.5
INERT FILL FROM 166MOD TO 168.5MOD



COMPLETED RESTORED SITE

LEGEND

- APPLICATION SITE BOUNDARY
- - - FILL LIMIT BOUNDARY
- GRASSED/RESTORED SURFAC

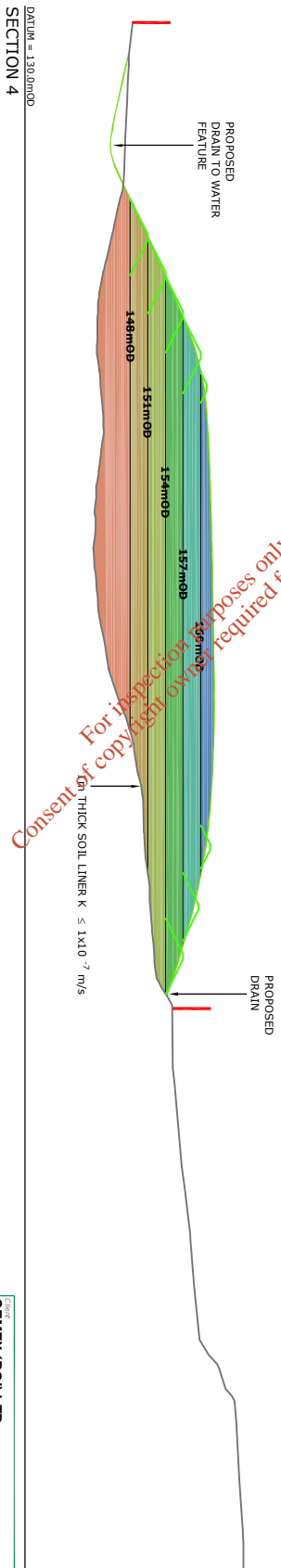
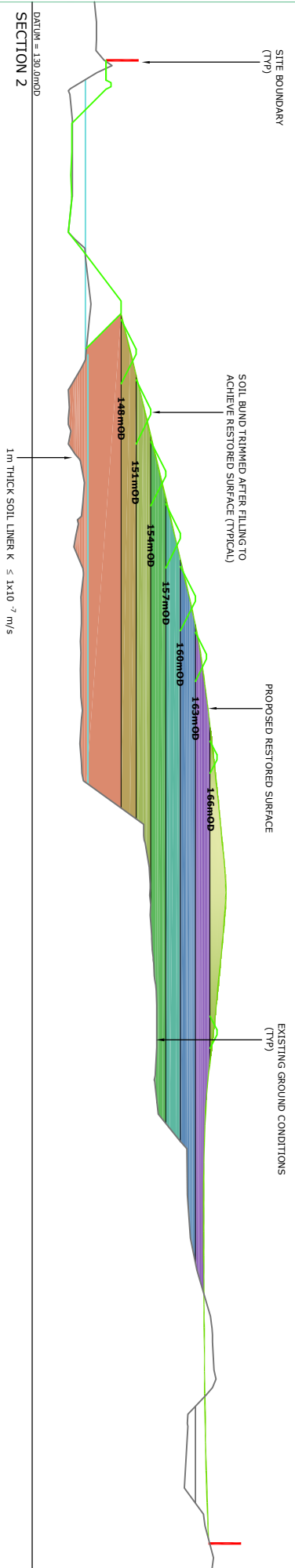
*** NOTE:**
TIMING OF RESTORATION FILLINGS STRICTLY DEPENDENT ON MARKET CONDITIONS AND THE AVAILABILITY OF INERT FILL MATERIALS

Client: **CEMEX (ROI) LTD**
Project: **Walshestown Pit Restoration**
Title: **Walshestown, Co. Kildare**

Project No. 0290193231 Checked By: RK
 File No. 8.9 Approved By: GP
 Created By: CC
 ISSUE TO KILDARE CO. CO. DEC. 08

Scale: N.T.S. Date: DECEMBER 21
 Drawn: []
 Date: []

Golder Associates
 7000 CENTRE RIDGE PARK ROAD, SUITE 200, KILDARE
 TEL: 00 353 1 452 5020 - www.golder.com



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Client		CEMEX (ROI) LTD	
Project		Walshestown Pit Restoration	
Location		Walshestown, Co. Kildare	
CONCEPTUAL RESTORATION FILLING PLAN: CROSS SECTIONS 2 & 4 (REFER TO FIGURE 8.3 FOR SECTION LOCATIONS)			
Project No.	0780350231	Checked by	PK
File No.	8.10	Approved by	GFP
Created by	CC	DEC: '08	A
ISSUE TO KILDARE CO. CO			
Drawn by		Date	DECEMBER 2
Scale	N.T.S	Version	1.0

