

LEGEND	
	SITE CONTOURS
	EXISTING WASTE LICENCE BOUNDARY (W0129-02)
	BH MONITORING BOREHOLE
	LC LEACHATE MONITORING POINT
	N NOISE MONITORING LOCATION
	D DUST MONITORING LOCATION
	SWD SURFACE WATER DISCHARGE POINT
	SW SURFACE WATER MONITORING LOCATION

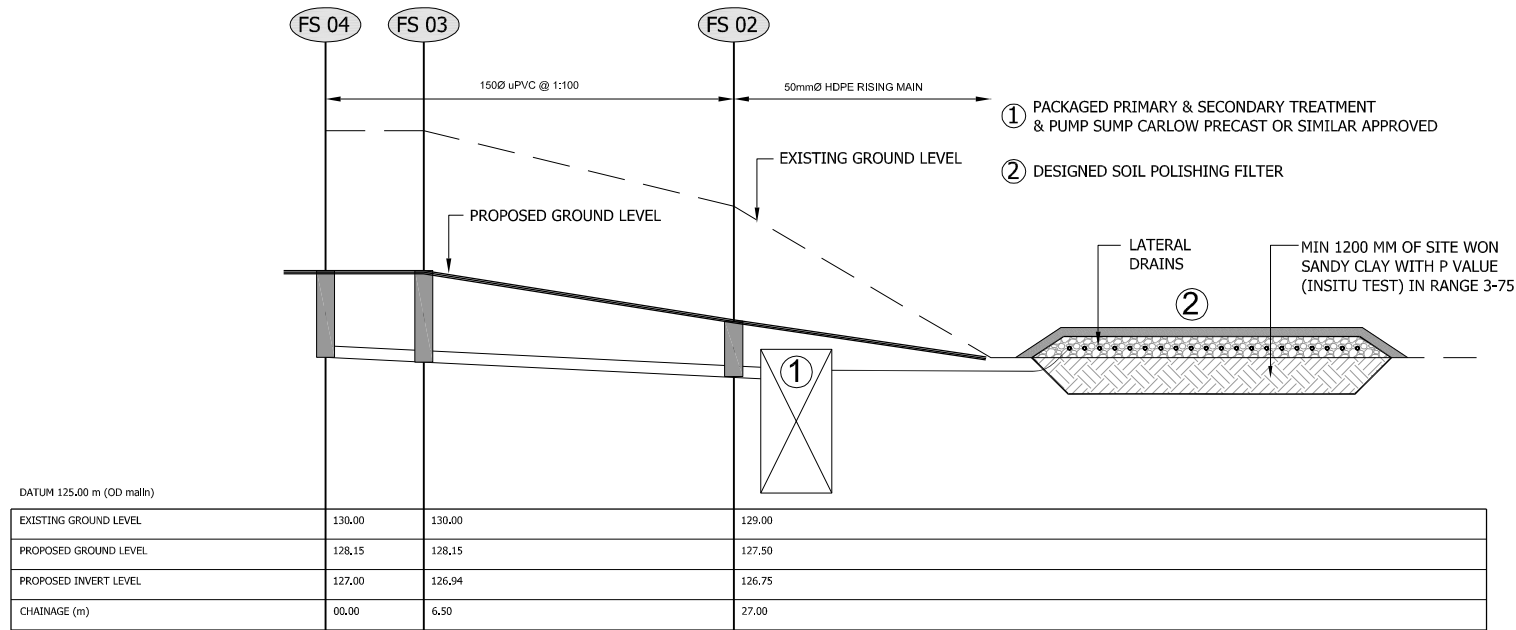
01	WASTE LICENCE APPLICATION	10.12.10	4 Projects
ver.	amendment	date,	issued to,
Prepared For:			
Client:			
Project: MEHL INTEGRATED WASTE MANAGEMENT FACILITY			
Location: HOLLYWOOD GREAT, NAGS HEAD NAUL. CO. DUBLIN			
Title: MONITORING LOCATIONS AS PER W0129-02			
Project Name: PP	Drawing No.: 15	File Name:	
Study Name: WLA	Version No.: 01	PP_WLA_25_01	
Section:	Date: 10 Dec, 2010	SCALE: A1(1:2000)/A3(1:4000)	
WYG Job Numbers: C007831	Created By: CF	Reviewed By: JD	Signed Off By: HB
Prepared by:			
Old Bridge House, Strand Street, Athlone, Co. Westmeath.			
Tel: (090) 6474264, Fax: (090) 6478422, E-mail: athlone@wyg.ie			
WYG (Engineering) Ireland Ltd.			

WASTE LICENCE APPLICATION  
REPRODUCED IN ACCORDANCE WITH OSI LICENCE NO. EN 0004910

ARUP | patel tonra | MAHAJAN PLANNERS  
environmental solutions | Chartered Town Planning Consultants

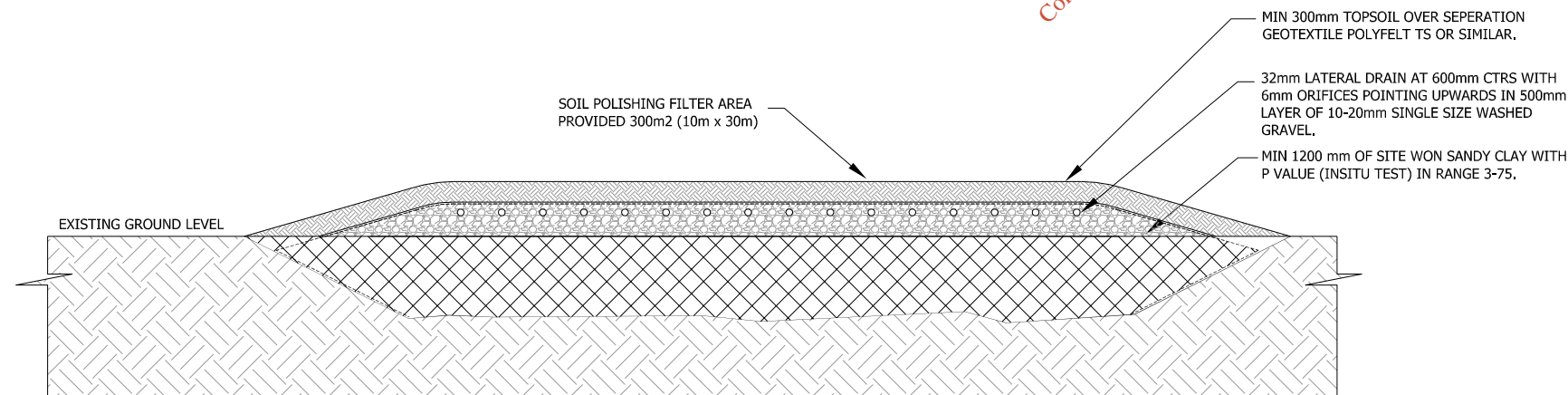
**GENERAL NOTES:**

ALL LEVELS RELATE TO MALIN HEAD ORDINANCE DATUM  
 WASTE LICENCE APPLICATION ONLY NOT FOR CONSTRUCTION  
 THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT DRAWINGS  
 ALL FOUL SEWER PIPES WITH LESS THAN 1200MM COVER IN ROADS AND 600MM ELSEWHERE TO BE SURROUNDED IN MINIMUM 150MM THICK CONCRETE (35N/20)  
 ALL MANHOLE COVERS TO BE LOADING CLASS D400 AND TO BE LOCKABLE  
 ALL FOUL SEWER PIPES UP TO AND INCLUDING 225MM DIA. TO BE u.P.V.C.  
SPECIFICATION FOR PROPOSED DOMESTIC EFFLUENT TREATMENT SYSTEM  
 DESIGN INCLUDING MINIMUM SEPARATION DISTANCES TO MEET EPA WASTEWATER TREATMENT MANUAL < PE 10  
 PROPOSED DOMESTIC EFFLUENT SYSTEM CARLOW PRECAST TREATMENT SYSTEM OR SIMILAR INSTALLED IN ACCORDANCE WITH THE IRISH AGREEMENT CERTIFICATE 08/0318  
 DESIGN AND CONSTRUCTION OF ENTIRE DOMESTIC EFFLUENT TREATMENT SYSTEM TO BE CARRIED OUT IN ACCORDANCE WITH EPA WASTEWATER TREATMENT MANUAL - TREATMENT SYSTEMS FOR SINGLE HOUSES AND CERTIFIED BY THE ENGINEER.



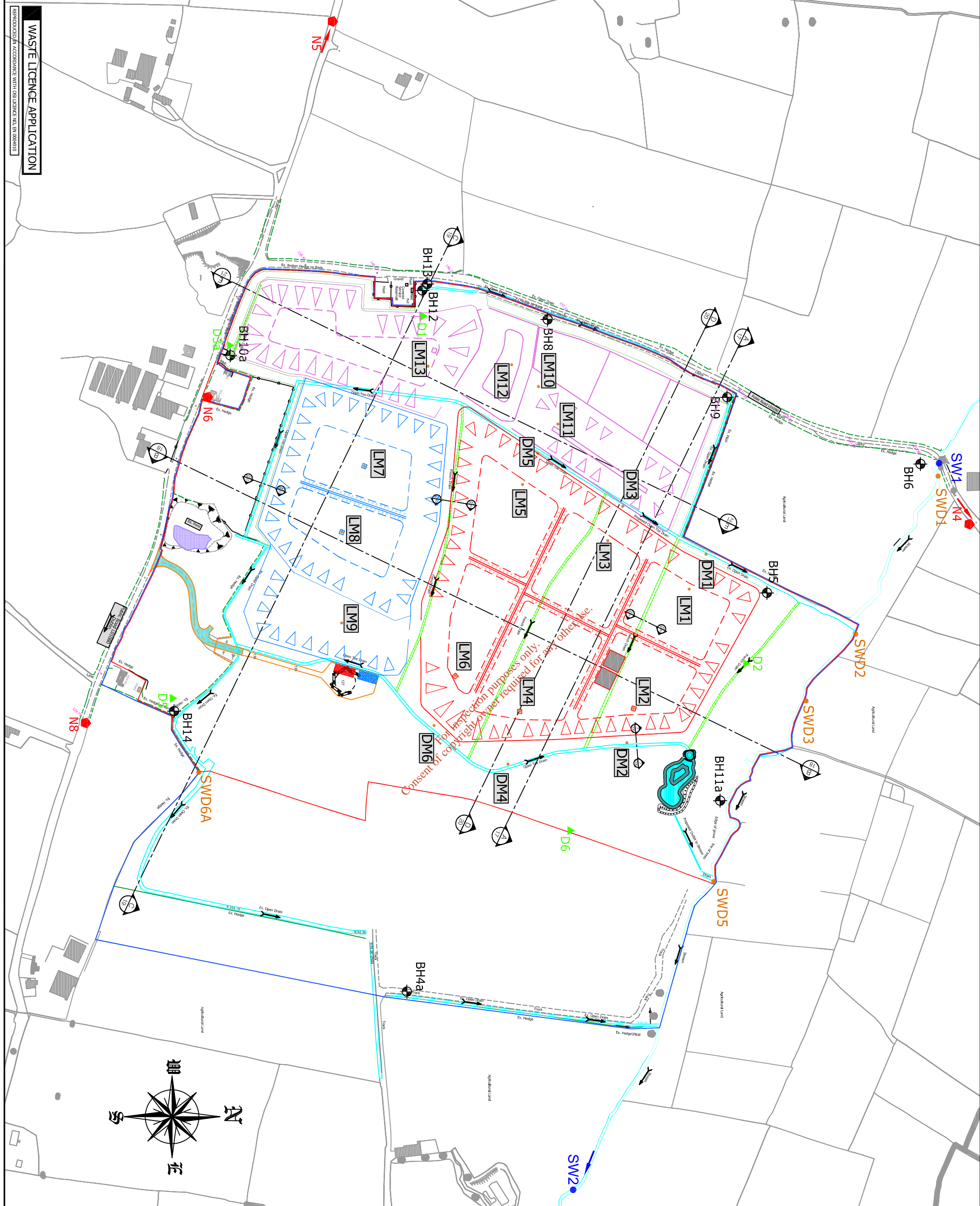
**LONGITUDINAL FOUL SEWER SECTION FROM FS01 TO FS04**  
 HORIZONTAL SCALE 1:250, VERTICAL SCALE 1:50

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**CROSS SECTION THROUGH RAISED POLISHING FILTER**  
 SCALE 1:50

01	WASTE LICENCE APPLICATION	10.12.10	4 Projects
ver.	amendment	date,	issued to,
Prepared For:			
Client:		Murphy Environmental Hollywood Ltd	
Project:		MEHL INTEGRATED WASTE MANAGEMENT FACILITY	
Location:		HOLLYWOOD GREAT, NAGS HEAD NAUL. CO. DUBLIN	
Title:		FOUL SEWER LONGITUDINAL SECTIONS	
Project Name: PP	Drawing No.: 26	File Name: PP_WLA_26_01	
Study Name: WLA	Version No.: 01	Date: 10 Dec. 2010	
Section:		SCALE: A1 / A3 (varies)	
WYG Job Number: C007831	Created By: CF	Reviewed By: JD	Signed Off By: HB
Prepared by:			
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E-mail: athlone@wyg.ie			



**GENERAL NOTES:**  
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 ALL LEVELS TO BE CONFIRMED ON SITE BY MAIN CONTRACTOR PRIOR TO COMMENCEMENT.  
 DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT DRAWINGS.  
 DO NOT SCALE THIS DRAWING - USE FIGURED DIMENSIONS ONLY.

**LEGEND:-**

- Ownership Boundary
- Proposed Planning & EPA Waste Licence Boundary
- Embankment (Slope Direction)
- Proposed Level / Top of Liner
- Existing Ground Level Contour
- Existing Spot Level
- Existing Surface Water
- Existing Electrical Duct & Access Chamber
- Existing Access Gate
- Existing Fence (Various Types)
- Existing Masonry Wall
- Hazardous Leak Detection Monitoring Well
- Cell Leachate Monitoring Well
- monitoring borehole
- noise monitoring location
- dust monitoring location
- surface water discharge point
- surface water monitoring location

**Client:** MEHL INTEGRATED WASTE MANAGEMENT FACILITY  
 HOLLYWOOD GREAT, NAGS HEAD  
 NAUL, CO. DUBLIN

**Title:** PROPOSED MONITORING LOCATIONS

01	WASTE LICENCE APPLICATION	10.12.10	4 Progress
02	amendments	date	Issued by
Prepared For:  Municipal Environmental Services			

**Project:** Old Bridge House, Strand Street, Athone, Co. Wick. Wick, Ireland

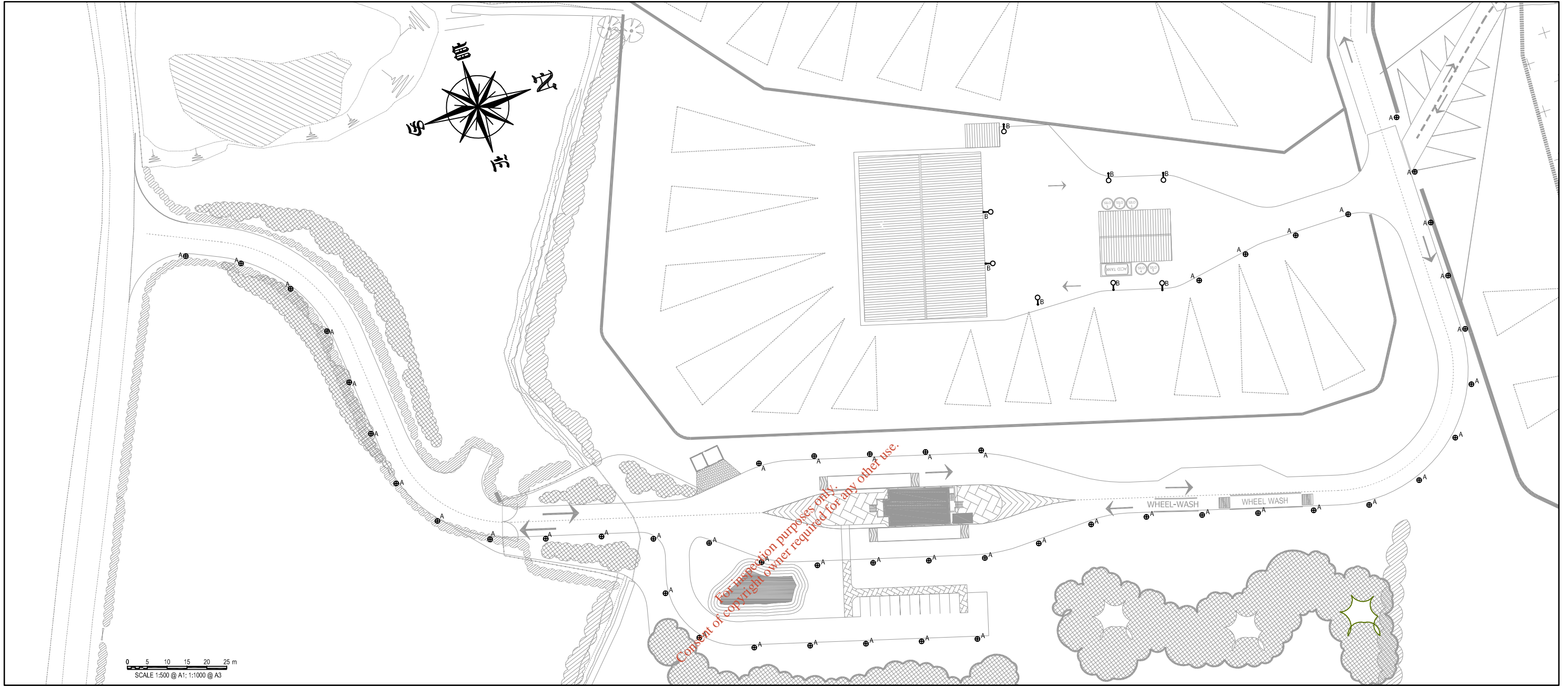
**Revision:** Drawing No.: 15  
 Version No.: 01  
 Date: 10 Dec 2010  
 Scale: A1(12000)/A3(14000)

**Prepared by:** CF  
**Reviewed by:** JD  
**Checked by:** MB

**ARUP** **patel tonra**  
 Environmental Solutions

**wvg**  
 WVG (Engineering) Ireland Ltd.





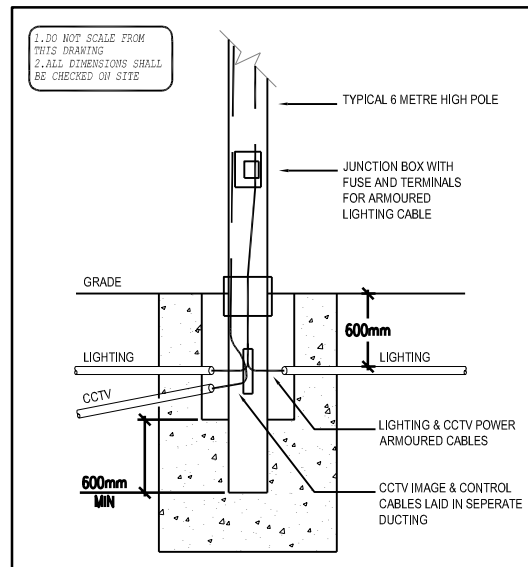
PROPOSED PUBLIC LIGHTING LAYOUT



PROPOSED LUMINAIRE MOUNTED ON 6M COLUMN (TYPE B)



PROPOSED BOLLARD (TYPE A)



TYPICAL INSTALLATION DETAIL OF LIGHTING COLUMN - (N.T.S.)

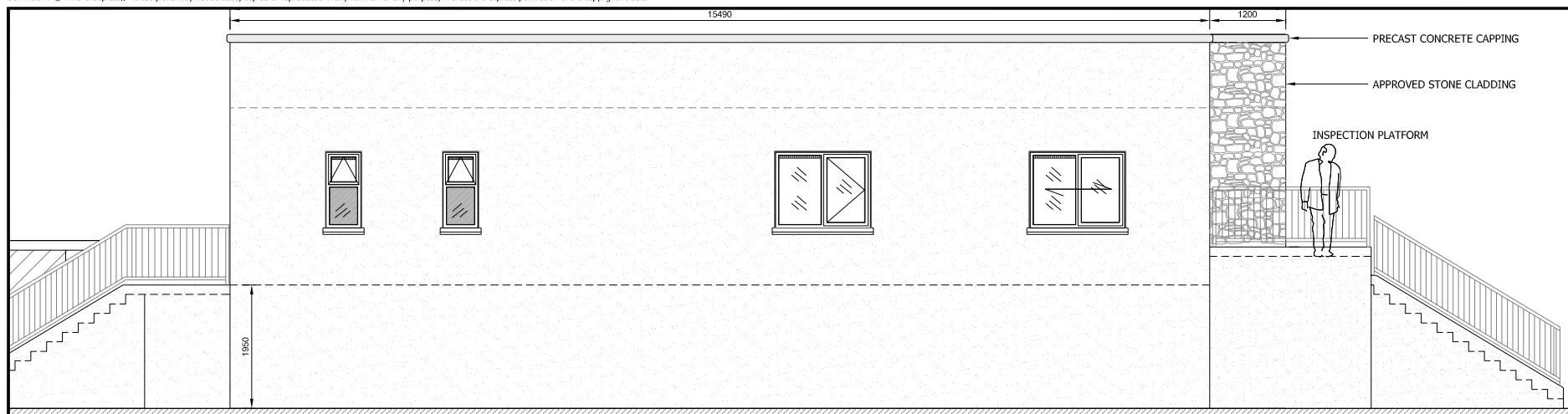
**GENERAL NOTES:**

- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL RELEVANT DRAWINGS AND SPECIFICATIONS.
- THE CONTRACTOR SHALL COORDINATE FINAL POSITIONS OF ALL EQUIPMENT AND SERVICES WITH ALL OTHER TRADES. EXTRA COSTS INCURRED BY THE CONTRACTOR DUE TO THE COORDINATION EXERCISE NOT BEING CARRIED OUT WILL NOT BE ENTERTAINED BY THE ENGINEER.
- COLUMN SPACING SHALL BE AS INDICATED ON DRAWING.
- ALL EXTERNAL EQUIPMENT AND SERVICES SHALL BE SUITABLY IP RATED.
- EXTERNAL LUMINAIRES SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.
- ALL STREET LIGHTING CABLES SHALL BE RUN WITHIN 100MM DIA. DUCTS.
- COLUMNS SHALL BE ROOTED HEAVY DUTY, TAPERED CONICAL SECTION, SLIM FOLDED GALVANISED STEEL COLUMNS AND SHALL BE DESIGNED TO THE REQUIREMENTS OF BS5649.
- COLUMN FOUNDATIONS AND INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.
- ALL CABLES FOR AND BETWEEN LIGHTING COLUMNS SHALL BE THROUGH BURIED DUCTS.
- LUMINAIRES SHALL BE PROVIDED WITH ALL ACCESSORIES AS REQUIRED TO PROVIDE A COMPLETE FULLY FUNCTIONAL INSTALLATION.

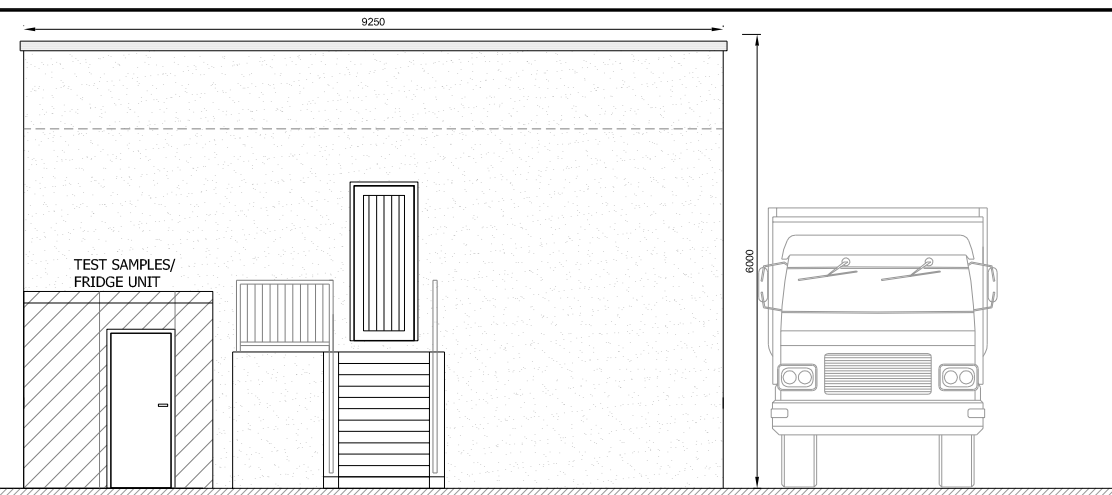
**LEGEND:**

- ⊕ A DESIGNLIGHT 1M BOLLARD (05211396) OR EQUAL AND EQUIVALENT IN RAL 7039, 35W METAL HALIDE LAMP, C/W INTERNAL COWL ACCESSORY (A0311) TO CONTROL SPILL LIGHT TO THE REAR.
- ⊕ B WE-EF PFL 240 LUMINAIRE OR EQUAL AND EQUIVALENT C/W CONTROL GEAR & 150W METAL HALIDE LAMP MOUNTED ON 6M GALVANISED STEEL COLUMN ROUTED IN CONCRETE FOUNDATION AS PER TYPICAL DETAIL.

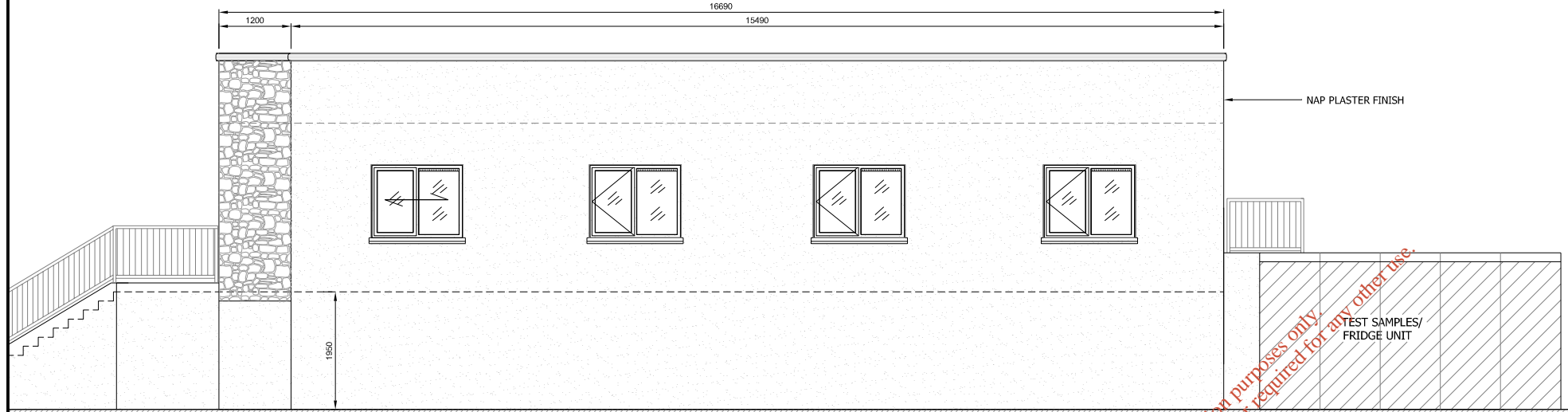
01	WASTE LICENCE APPLICATION	10.12.10	4 Projects
ver.	amendment	date,	issued to.
Prepared For:			
Client: <b>Murphy Environmental Hollywood Ltd</b>			
Project: <b>MEHL INTEGRATED WASTE MANAGEMENT FACILITY</b>			
Location: <b>HOLLYWOOD GREAT, NAG'S HEAD, NAUL, CO. DUBLIN</b>			
Title: <b>PROPOSED EXTERNAL LIGHTING LAYOUT</b>			
Project Name: PP	Drawing No.: 12	File Name:	
Study Name: WLA	Version No.: 01	PP_WLA_12_01	
Section:	Date: 10 Dec. 2010		
WYG Job Number: C007831	SCALE: A1 / A3 (varies)		
Created By: CB	Reviewed By: CB	Signed Off By: HB	
Prepared by: Old Bridge House, Strand Street, Athlone, Co. Westmeath.			
Tel: (090) 6474264 Fax: (090) 6478422 E-mail: athlone@wyg.ie WYG (Engineering) Ireland Ltd.			



**SIDE ELEVATION - EAST FACING**  
SCALE 1:50



**BACK ELEVATION - NORTH FACING**  
SCALE 1:50

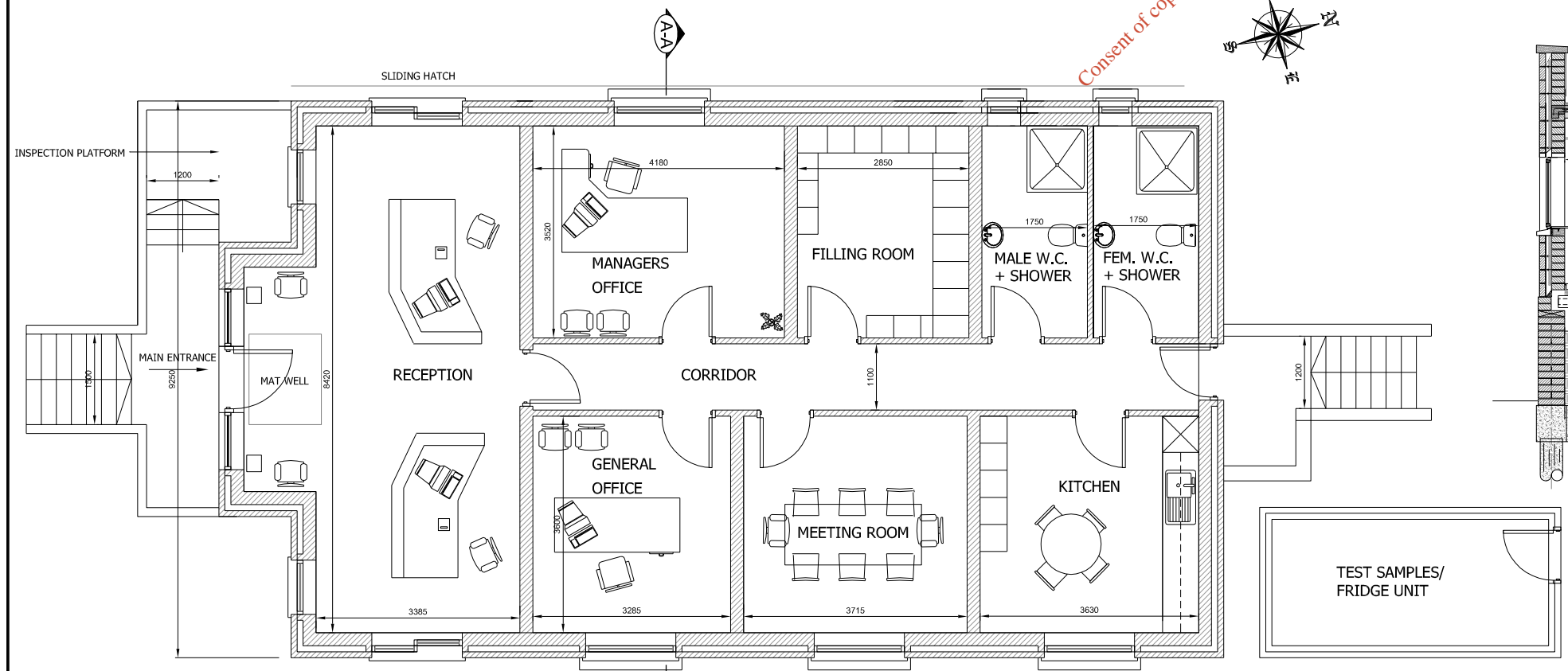
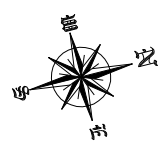


**SIDE ELEVATION - WEST FACING**  
SCALE 1:50

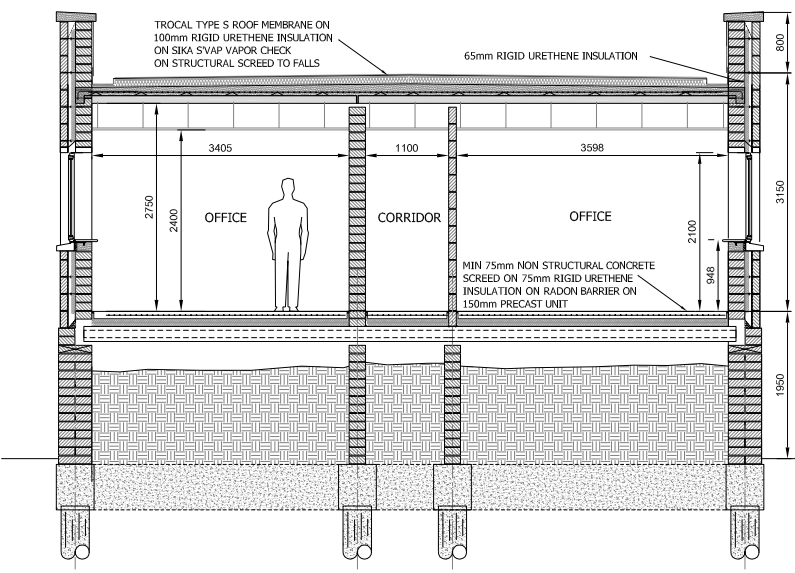


**FRONT ELEVATION - SOUTH FACING**  
SCALE 1:50

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**GROUND FLOOR PLAN - ADMIN. BUILDING**  
SCALE 1:50



**SECTION A-A**  
SCALE 1:50

**GENERAL NOTES:**  
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DO NOT SCALE THIS DRAWING - USE FIGURED DIMENSIONS ONLY.

01	WASTE LICENCE APPLICATION	10.12.10	4 Projects
ver.	amendment	date,	issued to.

Prepared For: Murphy Environmental Hollywood Ltd

Client: **MEHL INTEGRATED WASTE MANAGEMENT FACILITY**

Location: **HOLLYWOOD GREAT, NAG'S HEAD NAUL, CO. DUBLIN**

Title: **NEW OFFICE & ADMIN BLDG**

Project Name: PP	Drawing No.: 13	File Name:
Study Name: WLA	Version No.: 01	PP_WLA_13_01
Section:	Date: 10 Dec. 2010	
WYG Job Number: C007831	SCALE: A1(1:50)/A3(1:100)	
Created By: CF	Reviewed By: JD	Signed Off By: HB

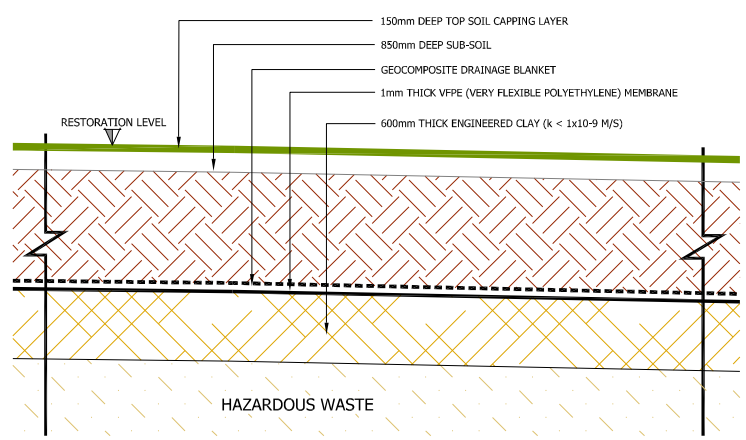
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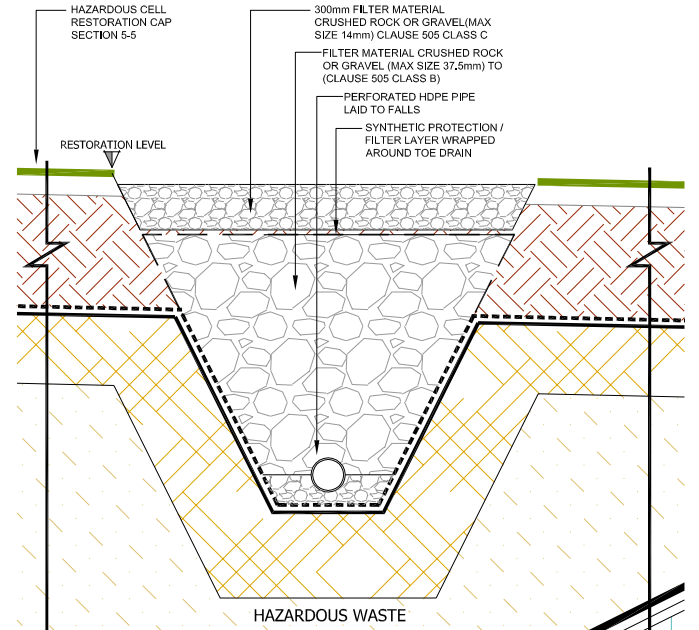
WYG (Engineering) Ireland Ltd.



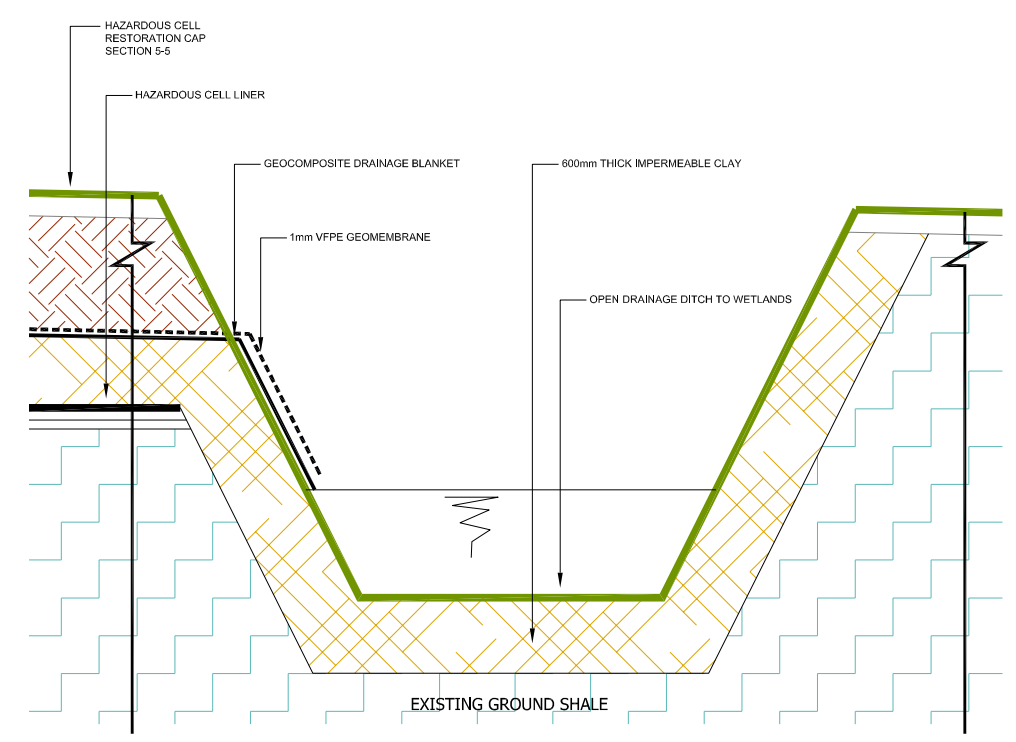
**WASTE LICENCE APPLICATION**



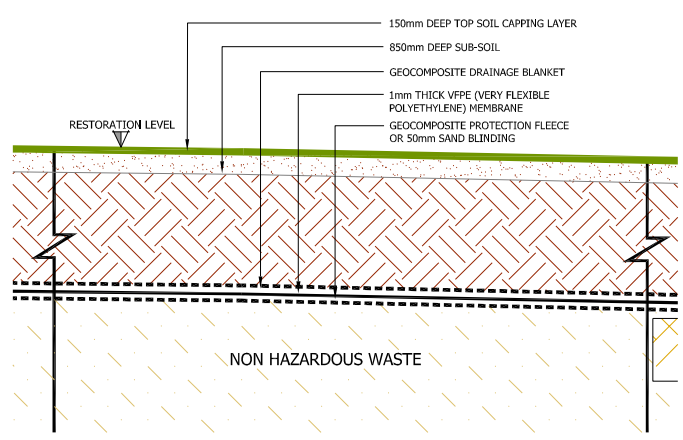
TYPICAL CROSS SECTION 5-5  
 (THROUGH HAZARDOUS CELL CAPPING LAYER)  
 REFER TO DWG 15



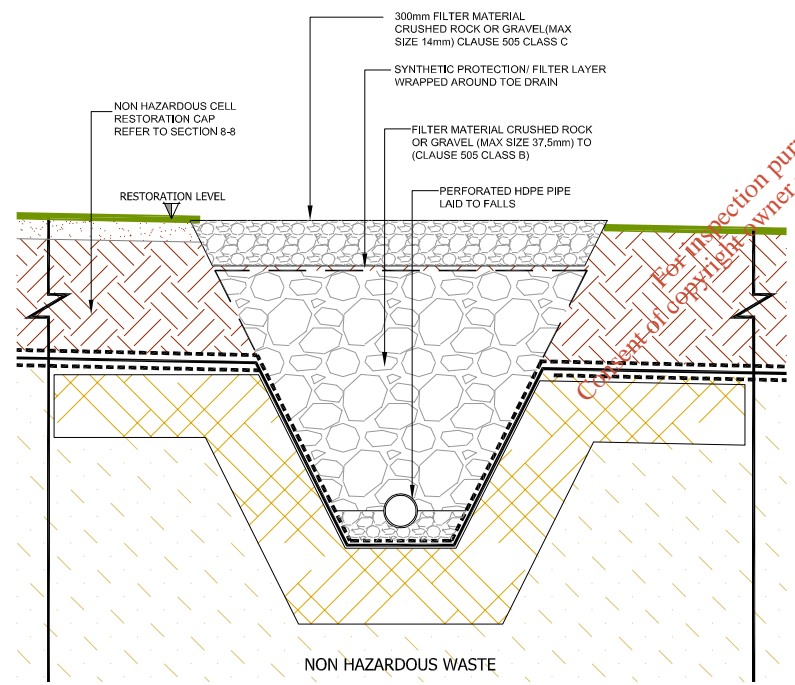
TYPICAL CROSS SECTION 6-6  
 (THROUGH HAZARDOUS CELL FRENCH DRAIN)  
 REFER TO DWG 15



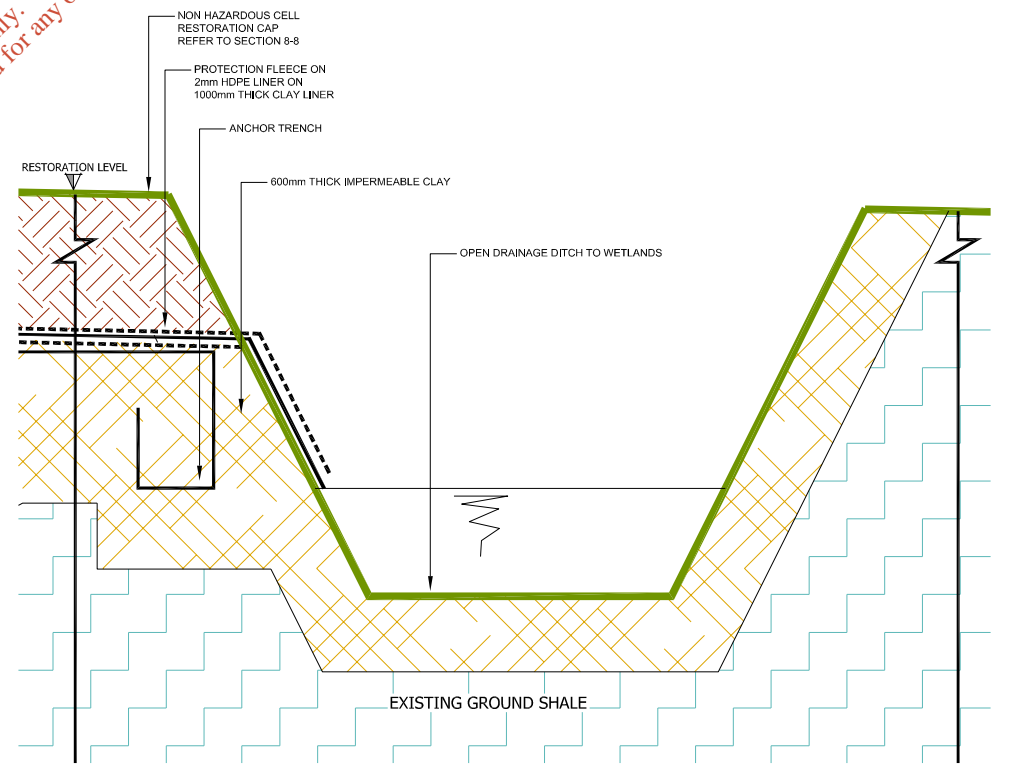
TYPICAL CROSS SECTION 7-7  
 (THROUGH HAZARDOUS CELL OPEN DRAIN)  
 REFER TO DWG 15



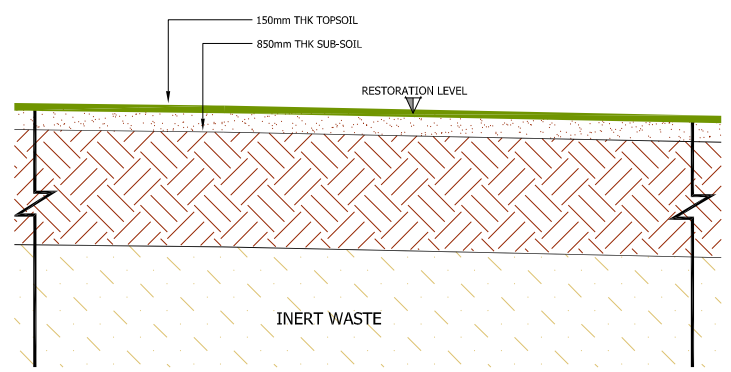
TYPICAL CROSS SECTION 8-8  
 (THROUGH NON HAZARDOUS CELL CAPPING LAYER)  
 REFER TO DWG 15



TYPICAL CROSS SECTION 9-9  
 (THROUGH NON HAZARDOUS CELL FRENCH DRAIN)  
 REFER TO DWG 15



TYPICAL CROSS SECTION 10-10  
 (THROUGH NON HAZARDOUS CELL OPEN DRAIN)  
 REFER TO DWG 15



TYPICAL CROSS SECTION 11-11  
 (THROUGH INERT CELL CAPPING LAYER)  
 REFER TO DWG 15

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01	WASTE LICENCE APPLICATION	10.12.10	4 Projects
ver.	amendment	date,	issued to.

Prepared For: **Murphy Environmental Hollywood Ltd**

Client: **MEHL INTEGRATED WASTE MANAGEMENT FACILITY**

Location: **HOLLYWOOD GREAT, NAGS HEAD NAUL. CO. DUBLIN**

Title: **PROPOSED RESTORATION SECTIONS & DETAILS**

Project Name: PP	Drawing No.: 16	File Name: PP_WLA_16_01
Study Name: WLA	Version No.: 01	
Section: -	Date: 10 Dec. 2010	
WYG Job Number: C007831	SCALE: A1(1:25)/A3(1:50)	
Created By: CF	Reviewed By: JD	Signed Off By: HB

Prepared by:  
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**WYG (Engineering) Ireland Ltd.**