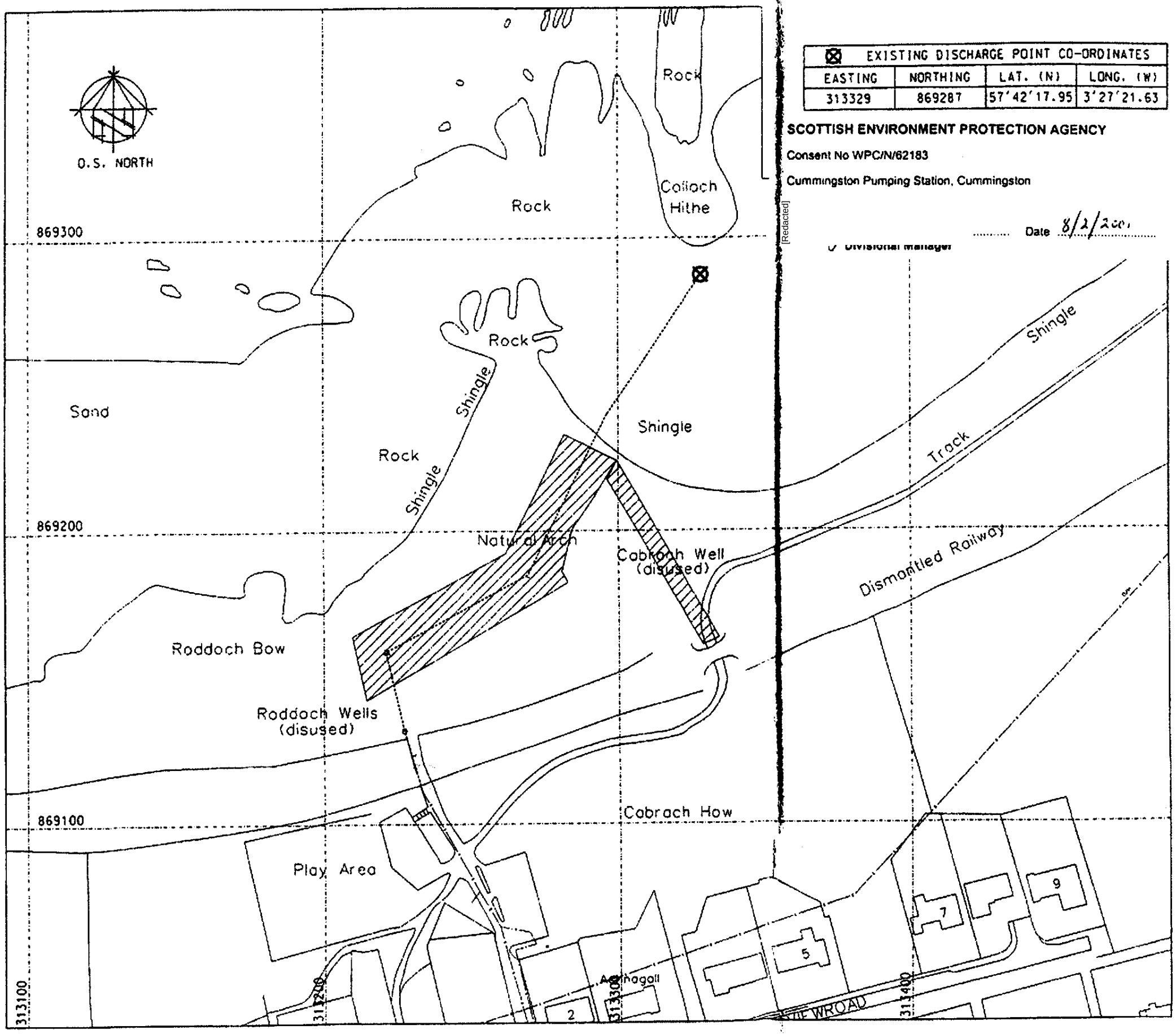
DO NOT SCALE

DWG No. 24499-100-CM-0152-00001



EXISTING DISCHARGE POINT CO-ORDINATES			
EASTING	NORTHING	LAT. (N)	LONG. (W)
313329	869287	57°42'17.95	3°27'21.63

SCOTTISH ENVIRONMENT PROTECTION AGENCY

Consent No WPC/N/62183

Cummingston Pumping Station, Cummingston

[Redacted]

Divisional Manager ..... Date 8/2/200.

20 0 20 40 60 80

METRES

NOTES

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE
2. ALL LEVELS ARE IN METRES ABOVE ORDANANCE DATUM UNLESS NOTED OTHERWISE

LEGEND

- PROPOSED WAYLEAVES
- PROPOSED OUTFALL
- PROPOSED GRAVITY SEWER
- PROPOSED TRANSFER MAIN
- EXISTING OUTFALL
- EXISTING SEWER
- ABANDONED UTILITY (TYP)
- EXISTING MANHOLE

"THIS MAP IS BASED ON THE O.S. MAP BY THE NORTH OF SCOTLAND WATER AUTHORITY WITH PERMISSION OF THE CONTROLLER OF HER MAJESTY'S STATIONERY OFFICE. CROWN COPYRIGHT. UNAUTHORISED REPRODUCTION INFRINGES CROWN COPYRIGHT AND MAY LEAD TO PROSECUTION OR CIVIL PROCEEDINGS. LICENCE NUMBER: CD03135G0016"

REV	DATE	REVISIONS	DRN BY	DES ENG	VER ENG
C	02/02/01	PROPOSED DISCHARGE POINT REMOVED.	R.C.	C.N.	D.M.
B	28/07/00	DISCHARGE CONSENT APPLICATION	D.A.	T.L.	D.M.
A	22/06/00	ISSUED FOR INFORMATION	S.M.	C.N.	D.M.

North of Scotland Water Authority

Bechtel-Morrison EPC Joint Venture

STATUS

PROJECT: MORAY COAST WASTEWATER PROJECT

TITLE: MORAY WEST CUMMINGSTOWN PUMPING STATION OUTFALL DETAILS

DRAWN BY	DATE	DESIGN ENG	DATE	VERIF'N ENG	DATE
S.M.	20/06/00	C.N.	22/06/00	D.M.	22/06/00

DWG No. 24499-100-CM-0152-00001 SCALE 1:1000

REV C

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DO NOT SCALE

DRG. 24499-100-C2-0132-00002

PROPOSED 900 INT. DIA. MATCHBOX MANHOLE MH 132-02 E=3283.915 N=7159.524 C.L. = 6.834 I.L. = 5.730

PROPOSED 900 INT. DIA. MANHOLE MH 132-01 E=3270.005 N=7155.346 C.L. = 14.500 I.L. = 12.158

SAMPLING POINT

PROPOSED 150 DN. FLEXIBLE JOINTED VC PIPE WITH TYPE S1 BED & SURROUND. TYPE 1 BACKFILL

S.O.P. 14

S.O.P. 15

S.O.P. 11

S.O.P. 17

PROPOSED SCREEN CHAMBER

FLOW MEASUREMENT

PROPOSED PUMPING STATION

PROPOSED MAGFLOW (TO BE CONSTRUCTED BY OTHERS)

100 NB. UPVC. DUCT

LIMIT OF CONTRACT

PUMPING STATION CENTRE

PROPOSED JUNCTION BOX

1000 x 1000 x 1000 DEEP GRAVEL SOAKAWAY

100 DN. UPVC. STORMWATER DRAINS

PROPOSED ABOVE GROUND CONTROL BUILDING (INTERIOR VIEW FOR CLARITY)

6 No. 100 NB. UPVC. DUCTS

100 NB. UPVC. AIR DUCT

PROPOSED VALVE CHAMBER

PROPOSED ODOUR CONTROL CHAMBER

PROPOSED 160 OD. MOPVC RISING MAIN (TO BE CONSTRUCTED BY OTHERS)

ABANDONED RAILWAY

FOOTPATH

GRASS

Dense gorse

TP 9MAS3

BH 9MAD7 Borehole

NOT TO BE CONSTRUCTED FOR CONSTRUCTION

NOTES

1. ALL DIMENSIONS ARE IN MILLIMETRES (mm) ALL LEVELS ARE IN METRES (m) AOD UNLESS STATED OTHERWISE.
2. THIS DRAWING TO BE READ IN CONJUNCTION WITH THE SPECIFICATION, PROJECT DRAWINGS, STANDARD AND TYPICAL DETAILS.
3. REFER TO SURVEY REPORT IN CONTRACT DOCUMENTS FOR DETAILS OF BENCHMARKS AND CONTROL STATIONS.
4. DIMENSIONS ARE NOT TO BE SCALED FROM THIS DRAWING. THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND LEVELS PRIOR TO COMMENCEMENT OF THE WORKS.
5. THE EXACT SETTING OUT OF ALL MANHOLE/ CHAMBER LOCATIONS SHALL BE AGREED ON SITE PRIOR TO CONSTRUCTION.
6. TRIAL HOLES TO BE CARRIED OUT IN ADVANCE OF ANY PIPE LAYING AND ESTABLISH THE EXACT LOCATION, DEPTH AND SIZE OF ANY MARKED/ UNMARKED SERVICES.
7. THE POSITION OF THE EXISTING SERVICES, IS BASED ON INFORMATION RECEIVED FROM THE STATUTORY UNDERTAKERS. THE ACCURACY OF THESE POSITIONS CANNOT BE GUARANTEED AND SHOULD BE USED FOR GUIDANCE PURPOSES ONLY. INDIVIDUAL SERVICE CONNECTIONS ARE NOT SHOWN.
8. PRINCIPAL CONTRACTOR / CONTRACTOR TO AGREE TEMPORARY / PERMANENT DIVERSION AND REMOVAL OF ABANDONED UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION.
9. FOR AREAS IDENTIFIED AS "AREAS OF ARCHAEOLOGICAL IMPORTANCE" 7 WORKING DAYS NOTICE OF INTENTION TO COMMENCE WORKS SHALL BE GIVEN TO BWPC JV TO ENABLE "ARCHAEOLOGICAL MONITORING" TO BE INSTALLED.
10. PROPOSED EMBANKMENTS TO USE SELECTED AS DUG MATERIAL , SLOPES NOT TO EXCEED 26° TO THE HORIZONTAL.
11. EXTENT OF PROPOSED LANDSCAPING TO BE AGREED WITH PRINCIPAL CONTRACTOR / CONTRACTOR BEFORE COMMENCEMENT OF CONSTRUCTION TO ENSURE SMOOTH TRANSITION BETWEEN GROUND AND LANDSCAPED GROUND.
12. ALL UPVC DUCT BENDS TO BE LONG RADIUS.

REFERENCE DRAWINGS

24499-100-C0-0132-00002 - GA & DETAILS OF ACCESS ROAD

24499-100-C2-0132-00001 - GENERAL ARRANGEMENT SHEET 1 OF 2

24499-100-R0-0132-00001 - NITRATE DOSING & CONTROL BUILDING

24499-100-R7-0132-00001 - PUMPING STATION GENERAL ARRANGEMENT

KEY

- PROPOSED RISING MAIN
- PROPOSED PIPE
- SOP — SETTING OUT POINT
- PROPOSED ACCESS ROAD
- PROPOSED DUCT
- 14.500 — PROPOSED GROUND LEVEL
- 13.47 — EXISTING GROUND LEVEL
- PROPOSED EMBANKMENT SEE NOTE 10
- CONTRACT BENCHMARK
- BH 9MAD7 — BOREHOLE LOCATION
- TP 9MAS3 — TRIAL HOLE LOCATION

REV A: VER 1.1
PLOT SENT TO CONSTRUCTION 17.01.01

SETTING OUT POINT	EASTING (m.)	NORTHING (m.)
SOP 11	3270.634	7152.186
SOP 14	3258.099	7149.377
SOP 15	3244.438	7146.316
SOP 17	3261.160	7135.716

1:50 0 1 2 3 4 5 METRES

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REV	DATE	REMARKS	DRN BY	DES CHK	VER CHK
A					

North of Scotland Water Authority

Bechtel-Morrison EPC Joint Venture

STATUS

PROJECT MORAY COAST WASTEWATER

TITLE
MORAY WEST
CUMMINGSTON PUMPING STATION
SETTING OUT
SHEET 2 OF 2

DRAWN BY	DESIGN CHK	DATE	WORKS CHK	DATE

DRG NO. 24499-100-C2-0132-00002 SCALE 1:50

REV A

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DATE PLOTTED: 06 FEB 2001

SCOTTISH ENVIRONMENT PROTECTION AGENCY

Consent No WPC/N/62184

Cummingston Pumping Station, Cummingston

Site Plan: WPC/N/62184/a

[Redacted]

Date 8/2/2001

FOR CONSTRUCTION