BADEN STREET

RAVENSCOURT

POWELL STREET

WEST STREET

Worsbrough LIFT

Phase 1

1 3b5H
2 3b5H
3 2b4H
4 2b4H
5 2b4H
6 3b5H
7 3b5H

HIGHWAY ATTENUATION
BASED ON AN INCREASE SURFACE AREA "RUN OFF" OF 400m2 ALLOW FOR 900mm CONCRETE ATTENUATION PIPES WITH 2 / 1500 DIA PCC MANHOLES EACH END. FLOW CONTROL UNIT WITHIN hv2 TO RESTRICT DISCHARGE TO 1 LPS TO sw6.
ALL HIGHWAY DRAINAGE TO BE 150mm DIAMETER.
ALLOW FOR CCTV SURVEY TO CONFIRM –
1. EXISTING HIGHWAY DRAIN IN BADEN STREET.
2. DISCHARGE POINT FOR EXISTING ROAD GULLIES.

SOAKAWAYS
FOLLOWING THE SITE INVESTIGATION AND DUE TO EX GROUND CONDITIONS SOAKAWAYS ARE UNSUITABLE.

FOUL WATER
hv1 - PEAK FLOW DISCHARGE = 4 LITRES/SECOND.

SURFACE WATER ATTENUATION
SDS DRAINAGE SYSTEMS LTD GEOLIGHT 400 CELLULAR BLOCK STRUCTURE (10m x 4.5m WIDE TO ACHIEVE 20m3 - CELLS 2000x1000x500mm DEEP WITH 500mm WIDE TRENCH CONTAINING 150mm DIAMETER TWINWALL PERFORATED DISTRIBUTION PIPE BACKFILLED WITH CLEAN GRADE STONE.
VENTED SW ATTENUATION WITH IMPERMEABLE MEMBRANE INSTALLED STRICTLY IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS.
SW5 TO INCORPORATE FLOW CONTROL UNIT TO RESTRICT DISCHARGE TO 2 LITRES/SECOND.

EXISTING 300 DIA PUBLIC FOUL WATER SEWER

EXISTING 225 DIA PUBLIC SURFACE WATER SEWER

SECTION 106 FOUL WATER CONNECTION BY CONTRACTOR TO YW APPROVAL

SECTION 106 SURFACE WATER CONNECTION BY CONTRACTOR TO YW APPROVAL

EX SWMH 1510mm DEEP TO BE CONFIRMED

EX FWMH 2300mm DEEP TO BE CONFIRMED

EX SWMH (*) DEEP TO BE CONFIRMED

NOTE
LOCATION / SIZE AND DEPTH OF ALL YORKSHIRE WATER PUBLIC FOUL / SURFACE WATER SEWERS TO BE CONFIRMED ON SITE PRIOR TO CONSTRUCTION.

BM 57.69m

59.1m

El Sub Sta

El Sub Sta

LB

Shelter

NOTES

ALL PROPOSED SURFACE WATER DRAINAGE SUBJECT TO ACCEPTABLE DISCHARGE OF 2.0 L/S TO EXISTING PUBLIC SURFACE WATER SEWER IN WEST STREET.
FOUL WATER DISCHARGE FROM PLOTS 1 - 7 TO DISCHARGE DOWN BADEN STREET TO EXISTING PUBLIC FOUL WATER SEWER IN WEST STREET
ALL SUBJECT TO YORKSHIRE WATER APPROVAL.

ALL DRAINAGE TO BE BY APPROVED MANUFACTURER INSTALLED STRICTLY IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS.

GEOLIGHT 400 (VENTED) SURFACE WATER STORAGE CELLS BY SUSTAINABLE DRAINAGE SYSTEMS LTD ARE TO BE INSTALLED STRICTLY IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.
VORTEX FLOW CONTROL UNIT BY CROWN WATER SYSTEMS OR SIMILAR APPROVED.

ALL PROPOSED FOUL AND SURFACE WATER MH COVER LEVELS TO BE CONFIRMED SUBJECT TO PROPOSED FINAL GROUND LEVELS.
ALL EXISTING PUBLIC SEWER MANHOLE COVER / INVERT LEVELS TO BE CONFIRMED ON SITE PRIOR TO CONSTRUCTION.

LOCATION OF ALL INTERNAL FOUL WATER 'POP UPS', RWPs AND SANITARYWARE TO BE CONFIRMED FROM NPS GROUP ARCHITECTS DRAWINGS PRIOR TO CONSTRUCTION.

WHERE COVER TO ANY DRAIN LAID UNDER A CARRIAGEWAY OR PARKING AREA IS 900mm OR LESS IT SHALL HAVE 150mm THICK ST2 CONCRETE BED & SURROUND.
10mm THICK FLEXCELL JOINTS FORMED @ 6000 CENTRES IN CONCRETE SURROUND.

MANHOLE COVERS AND FRAMES TO COMPLY WITH BS. EN 124 / BS.497.
POLYPROPYLENE (PPIC) INSPECTION CHAMBERS TO BE USED AWAY FROM TRAFFICKED AREAS WHERE DEPTH TO INVERT IS LESS THAN 1200mm.
VCIC INSPECTION CHAMBERS TO BE EITHER 600mm / 750mm DEEP (COVER LEVEL TO SUIT LOCATION).
COVERS IN CARRIAGEWAYS / PARKING AREAS TO BS. EN 124 (1994) CLASS D400.
COVERS IN VERGES / LANDSCAPED AREAS TO BS. EN 124 (1994) CLASS C250 / B125.

ALL FOUL WATER DRAINAGE TO BE 100 DIA LAID TO A MINIMUM GRADIENT OF 1:80 (FWT - CONNECTION POINT TO BE 150 DIA).
ALL FOUL WATER BRANCH CONNECTIONS (ie BELOW PCC FLOOR SLAB) TO BE 100mm DIAMETER LAID TO A MINIMUM GRADIENT OF 1:40 UNLESS OTHERWISE NOTED.
ALL INTERNAL FOUL WATER 'POP UPS' TO BE CONFIRMED BY THE ARCHITECT.

ALL MAIN SURFACE WATER DRAINAGE TO BE 150 DIA.
ALL RWP / PARKING BAY YARD GULLEY BRANCH CONNECTIONS TO BE 100mm DIAMETER UNLESS OTHERWISE NOTED.
ALL RWP LOCATIONS SUBJECT TO CONFIRMATION BY THE ARCHITECT.

ALL DRAINAGE PASSING THROUGH WALLS TO BE BRIDGED WITH PCC LINTELS.

ALL DRAINAGE PASSING UNDER / THROUGH FOUNDATIONS TO HAVE 75mm THICK COMPRESSIBLE (POLYSTYRENE) SURROUND AND ROCKER PIPE JOINT AS CLOSE AS POSSIBLE TO FOUNDATION.

THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT SYHA LIMITED ARCHITECTS DRAWINGS.

PRELIMINARY ISSUE

Rev	Description

Client
SOUTH YORKSHIRE HOUSING ASSOCIATION LIMITED

Drawing Title
BADEN STREET
BARNSLEY

DRAINAGE STRATEGY

Colgrave Lee & Partners
Omega Court
352 Cemetery Road
Kenwood Park
Sheffield S11 8FT
Tel : 0114 263 1919
Fax : 0114 267 0140
E.Mail : mail@colgrave-lee.co.uk

Scale
1 : 250

Date
JULY 2011

Drawn by
T.J.D.

Drg No
CLP / 996 / 01

Rev