



- NOTES:**
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS AND THE AECOM DRAINAGE STRATEGY REPORT, DOCUMENT REFERENCE 60212470-HIG-002. ANY DISCREPANCIES, ERRORS OR OMISSIONS TO BE BROUGHT TO THE ATTENTION OF AECOM.
 - ALL DIMENSIONS TO BE CHECKED BEFORE COMMENCEMENT OF WORK ON SITE.
 - ALL DIMENSIONS IN METRES UNLESS OTHERWISE STATED.
 - PIPES Ø IN MILLIMETRES UNLESS OTHERWISE STATED.
 - ALL WORKS TO BE IN ACCORDANCE WITH THE SPECIFICATION FOR HIGHWAY WORKS (SHW).
 - ALL EARTHWORKS/GROUNDWATER DRAINAGE PIPES TO BE FILTER DRAINS WITH THE EXCEPTION OF PIPES RUNNING ACROSS HIGHWAY. THESE PIPES ARE TO BE UNPERFORATED CARRIER DRAINS.

- KEY:**
- ww— EXISTING DRAINAGE (COMBINED)
 - sw--- EXISTING DRAINAGE (SURFACE)
 - ~ ~ ~ EXISTING CULVERT
 - EXISTING WATERCOURSE
 - PROPOSED SYPHON
 - PROPOSED HIGHWAY DRAINAGE
 - PROPOSED EARTHWORKS / GROUNDWATER DRAINAGE
 - PROPOSED CULVERT
 - ▲ PROPOSED OUTFALL LOCATION
 - PROPOSED RISING MAIN
 - 1.005/A PROPOSED PIPE NETWORK NAME AND NUMBER
 - MH-A-1 PROPOSED MANHOLE/CATCHPIT NETWORK NAME AND NUMBER
 - RE-A-1 PROPOSED RODDING EYE NUMBER AND NETWORK NAME
 - ▭ PROPOSED POND/TANK
 - LIMIT OF DEVIATION
 - PROPOSED FENCELINE (TAKEN FROM LATEST HIGHWAY DESIGN LAYOUT)
 - DIRECTION OF PROPOSED HIGHWAY LONGFALL
 - EXISTING OIL PIPELINE
 - PROPOSED OIL PIPELINE
 - PROPOSED 300mm INTERNAL Ø SLIPFORM SLOT DRAIN (BY EXTRUDAKERB OR SIMILAR APPROVED). MAXIMUM LENGTH BETWEEN OUTFALLS APPROX 300m (TBC AT DETAIL DESIGN)

LOCATION OF PROPOSED 720m OF ONLINE STORAGE FOR NETWORK F INTO THE RINGWAY ROAD HIGHWAY IMPROVEMENT WORKS SCHEME DRAINAGE.

ALLOWABLE PEAK FLOW RATE FROM NETWORK F IS APPROXIMATED AT 25 l/SEC.

TOTAL STORAGE VOLUME REQUIREMENT TO ATTENUATE NETWORK F TO 25 l/SEC UP THE 100 YEAR RETURN PERIOD IS 1100m³. REMAINING STORAGE PROVIDED IN OVERSIZED PIPES IN NETWORK F.

MANHOLE T12 TO T14 IS PART OF THE RINGWAY ROAD HIGHWAY IMPROVEMENT WORKS SCHEME (RRHW). INFORMATION TAKEN FROM RRHW DESIGN RECEIVED FROM JACOBS ON 13th MARCH 2013.

T12 INVERT LEVEL IS 69.757m

LOCATION OF SHADOWMOSS ROAD PUMPING STATION, REFER TO RRHW DRAWING MPT3B-AP4-41-DDP-700 FOR DETAILS, AND FOR DETAILS OF THE RRHW DRAINAGE UPSTREAM OF THE PUMPING STATION.

INTERFACE BETWEEN END OF TEST RUN 1 (TR1) HIGHWAY DESIGN AND START RRHW

PIPE RUN FROM MANHOLE T9 AND T10 IS PART OF THE RRHW SCHEME, AND IS TO BE INCORPORATED INTO NETWORK F AS PART OF THE SEMMS SCHEME.

PROPOSED UNATTENUATED DISCHARGE RATE WITH 20% CLIMATE CHANGE ALLOWANCE (l/s)

| NETWORK | RETURN PERIOD (years) | | | |
|---------|-----------------------|-------|-------|-------|
| | 2 | 5 | 30 | 100 |
| F | 110.2 | 139.0 | 192.6 | 228.1 |

| Rev | Date | Detail | Made | Chk'd | App'd |
|-----|----------|---|------|-------|-------|
| P06 | 22.04.13 | UPDATED FOLLOWING REVISED TR1 DESIGN & SMCB COMMENTS | JR | PB | MCBH |
| P05 | 15.03.13 | AMENDED TO TR1 DESIGN | JR | PB | MCBH |
| P04 | 05.01.12 | SEMMS DRAINAGE DESIGN UPDATED IN LINE WITH LATEST RRHW DESIGN | VUM | MCBH | SM |
| P03 | 11.08.11 | AMENDMENTS FOLLOWING COMMENTS FROM SMCB | VUM | MCBH | PJ |
| P02 | 11.07.11 | AMENDMENTS FOLLOWING COMMENTS FROM SMCB | VUM | MCBH | PJ |

Client: STOCKPORT METROPOLITAN BOROUGH COUNCIL

Project: SEMMS A6 RELIEF ROAD

File: DRAINAGE LAYOUT NETWORKS F & M SHEET 16

| | |
|----------------|-----------------|
| Design: PB | CAD: VUM |
| Chk'd: MCBH | App'd: PJ |
| Date: 06.06.11 | Scale: AS SHOWN |

AECOM

AECOM
Lynnfield House, Church Street,
ALTRINCHAM, WA14 4DZ

Tel: +44 (0) 161 927 8200
Fax: +44 (0) 161 927 8499
www.aecom.com

No. 60212470-HIG-0516

Rev: P06

PLAN
SCALE 1:1250 @ A1, 1:2500 @ A3

CONTINUED ON SHEET 15