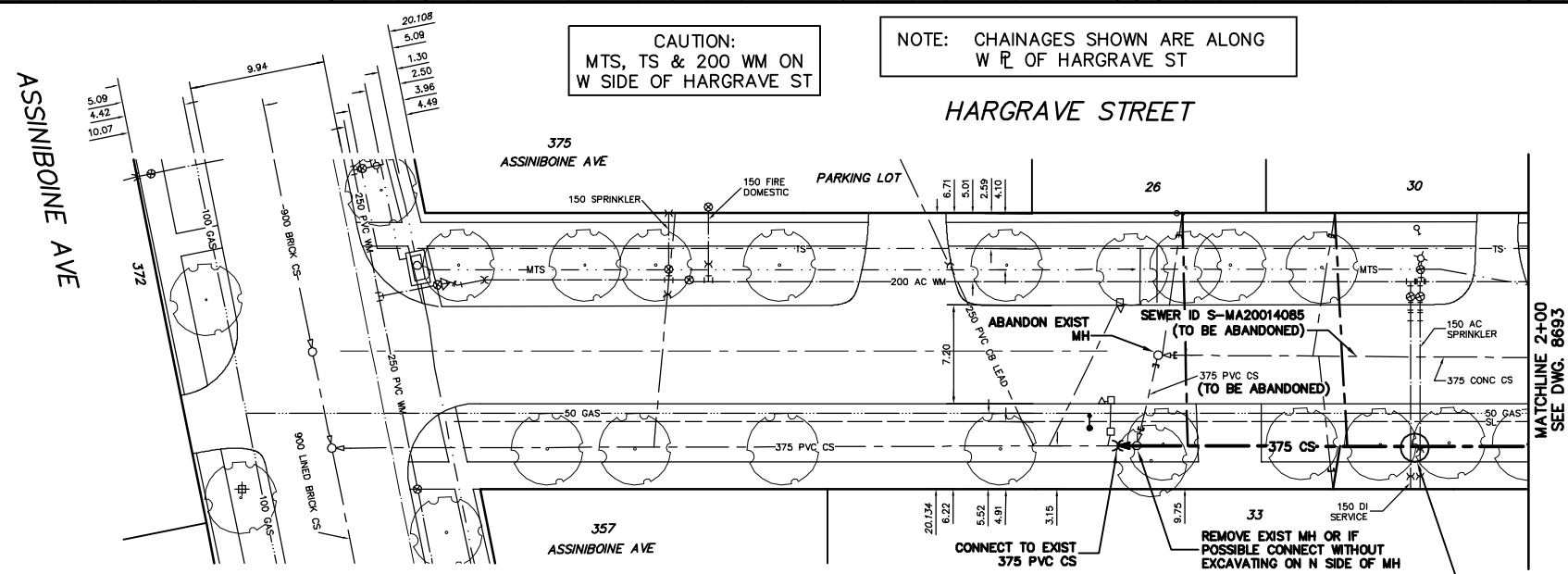
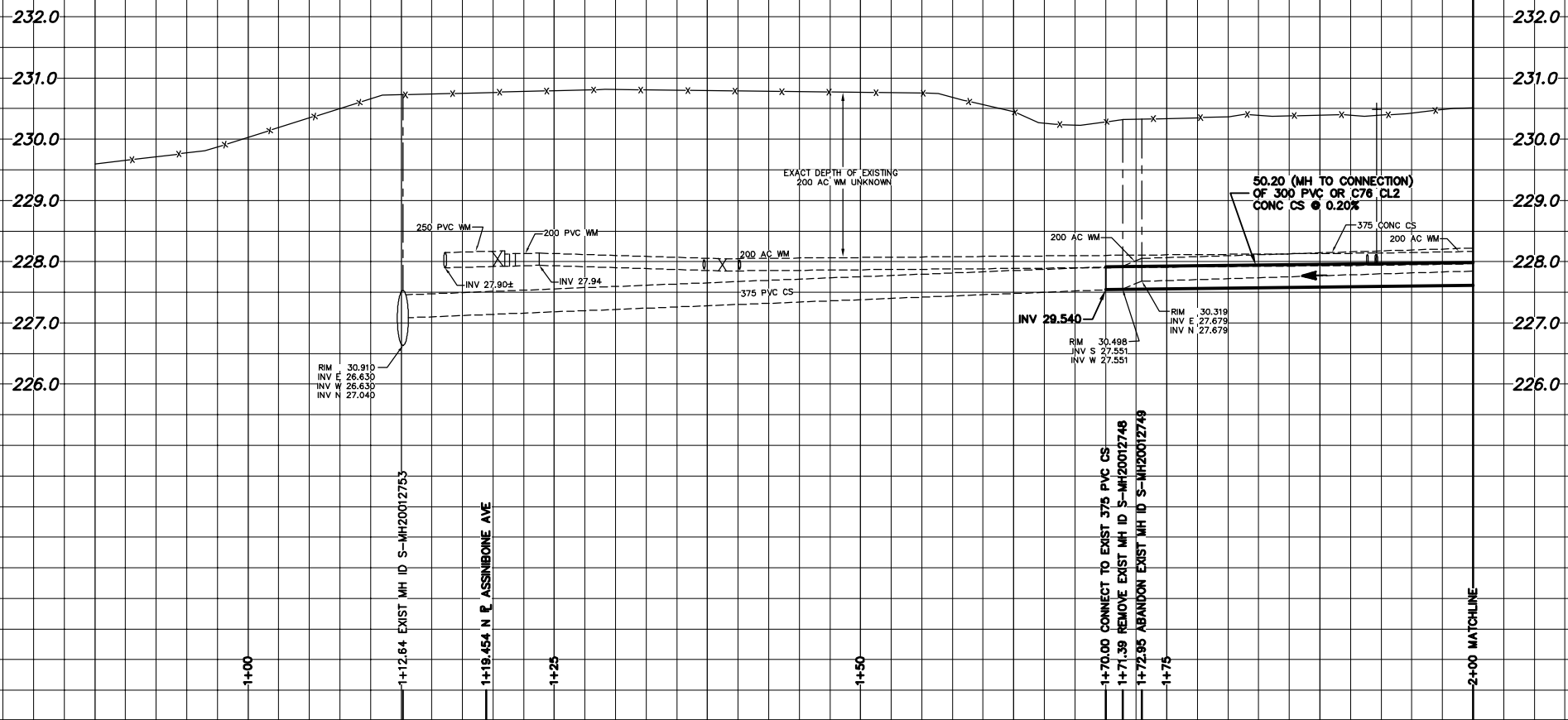


- CONSTRUCTION NOTES:**
- EXCAVATIONS SHALL BE AS FAR AS POSSIBLE FROM EXISTING TREES.
 - INSTALL SEWER BY TRENCHLESS METHODS.
 - CONFIRM THE LOCATION OF ALL SEWER SERVICES.
 - BACKFILL UNDER PAVEMENT, IN SIDEWALKS, & WITHIN 1.0 OF PAVEMENT TO BE CLASS 3.
 - BACKFILL IN BOULEVARD TO BE CLASS 5.
 - RENEW SEWER SERVICES TO R.
 - INSTALL SEWER SERVICE RISERS TO ELEVATION WHERE MINIMUM SLOPE OF 1% IS MAINTAINED FOR ALL SERVICES.



| SEWER SERVICE INFORMATION | | | |
|---------------------------|------|------------------|---------------------------|
| ADDRESS | SIZE | R DIST | JUNCTION TIE |
| 375 ASSINIBOINE AVE | - | 9.36 SN | LOTLINE |
| RESIDENTIAL | - | 23.58 N MH @ | ASSINIBOINE |
| 357 ASSINIBOINE AVE | - | - | - |
| RESIDENTIAL | - | - | SERVICED FROM ASSINIBOINE |
| 26 HARGRAVE ST | 200 | 6.08 SN | LOTLINE |
| RESIDENTIAL | - | 1.83 N 2ND MH N | ASSINIBOINE |
| 30 HARGRAVE ST | - | 5.03 NS | LOTLINE |
| RESIDENTIAL | - | 11.28 N 2ND MH N | ASSINIBOINE |
| 33 HARGRAVE ST | 300 | 24.00 SSL | HARGRAVE PL |
| RESIDENTIAL | - | 12.33 N 2ND MH N | ASSINIBOINE |

NOTE: SOME OF THE SEWER SERVICES EXISTED IN GIS, SO PL AND JUNCTION MEASUREMENTS WERE MEASURED IN THE AUTOCAD DRAWING. HOUSEFILES WAS NOT CHECKED FOR ANY OF THE BLANK FIELDS

CONTRACTOR TO CONFIRM SEWER SERVICE LOCATIONS FOR ALL ADDRESSES

| SEWER JUNCTION INFORMATION FROM SEWER VIDEO INSPECTION S-MA20014085 | | | |
|---|---|------|----------|
| DISTANCE FROM MH S-MH20012749 | | | |
| 0.3 | N | 250M | WEST JK |
| 11.3 | N | 150M | WEST JN |
| 11.7 | N | 250M | EAST CNI |
| * REVERSAL REQUIRED * | | | |

WATER SERVICE INFORMATION

| ADDRESS | SIZE(mm) & TYPE (STREET) | SIZE(mm) & TYPE (PROP) | SHORT & LONG MEASUREMENT | CORP. LOCATION | REMARKS |
|---------------------|--------------------------|------------------------|--------------------------|----------------|------------------------|
| 375 ASSINIBOINE AVE | 150 AC | 150 AC | 10.17 NSL BLDG | OPP S/C | - |
| SPRINKLER | AC | AC | 17.81 NNL ASSINIBOINE | - | - |
| 375 ASSINIBOINE AVE | 150 AC | 150 AC | 13.04 NSL BLDG | OPP S/C | - |
| FIRE DOMESTIC | AC | AC | 20.68 NNL ASSINIBOINE | - | - |
| 357 ASSINIBOINE AVE | 25 | 25 | 9.88 EEL BLDG | OPP S/C | SERVICED FROM HARGRAVE |
| RESIDENTIAL | COPPER LEAD | COPPER | 10.71 EEL HARGRAVE | OPP S/C | ALSO IS HARGRAVE ST |
| 26 HARGRAVE ST | 38 | 38 | 9.13 NSL BLDG | OPP S/C | - |
| RESIDENTIAL | COPPER | COPPER | 54.87 NNL ASSINIBOINE | - | - |
| 30 HARGRAVE ST | 38 | 38 | 3.96 NSL BLDG | 0.91 S OF S/C | - |
| RESIDENTIAL | COPPER | COPPER | 67.06 NNL ASSINIBOINE | - | - |
| 33 HARGRAVE ST | 150 DI | 150 DI | 18.39 SSL HARGRAVE PL | OPP S/C | - |
| RESIDENTIAL | DI | DI | 67.88 NNL ASSINIBOINE | - | - |

WATER SERVICE INFORMATION

| ADDRESS | SIZE(mm) & TYPE (STREET) | SIZE(mm) & TYPE (PROP) | SHORT & LONG MEASUREMENT | CORP. LOCATION | REMARKS |
|----------------|--------------------------|------------------------|--------------------------|----------------|---------------------------|
| 33 HARGRAVE ST | 150 AC | 150 AC | 5.49 EEL HARGRAVE ST | OPP S/C | SERVICED FROM HARGRAVE PL |
| SPRINKLER | AC | AC | SAME AS SHORT | - | - |
| 33 HARGRAVE ST | 150 AC | 150 AC | 17.67 SSL HARGRAVE PL | OPP S/C | SERVICED FROM HARGRAVE ST |
| SPRINKLER | AC | AC | 68.42 NNL ASSINIBOINE | - | - |

CAUTION: GAS & SL ON E SIDE OF HARGRAVE ST

CAUTION: CONTRACTOR TO DETERMINE 150 WATER SERVICE INVERTS PRIOR TO CONSTRUCTION

NOTE: FOR CURBSTOPS AND SERVICES IN GIS, SHORT MEASUREMENTS WERE MEASURED IN AUTOCAD USING 2005 AERIAL PHOTOS LONG MEASUREMENTS WERE MEASURED IN AUTOCAD FOR CURBSTOPS AND SERVICES NOT IN GIS, INFORMATION IS FROM PANEL 10 (P10)



METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

WARNING
IF POWER EQUIPMENT OR EXPLOSIVES ARE TO BE USED FOR EXCAVATION ON THIS PROJECT THE CONTRACTOR MUST:
1) NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION.
2) TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS.
SEE PROVINCIAL REGULATION 210/72 FOR DETAILS

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---------------------|-----------|-------------------|-------------|-------------------------|---------------------|--------|---|---------|---|-----|---|---------|---|---|-------|---|-----------------|---|-------|---|---------|---------------------|---------|-----|--------|---------|---------------------|---------|------------------|---------|------------|---------|------------------|---------|---|---------|---|-------|---|---------|---|---|-------------|---|-------------------|-------|-------------------|-------|---|------------|---|-----------|---|------------------------|---|---|-----------|---|------------|---|------------------------|---|---|---------|---|----------------|---|-------------------------|---|---|-------|---|------|---|-------------------------|---|----------|-------------|----------|----------|-------------|----------|----------|-----|----------------|-----|-----|-----|-----|-----|--|--|--|--|---|---|
| <table border="1"> <tr> <td>200 WM</td> <td>WATERMAIN</td> <td>200 WM</td> <td>SL, HYDRO</td> <td>150 WM</td> <td>WATERMAIN</td> <td>150 WM</td> </tr> <tr> <td>⊕</td> <td>HYDRANT</td> <td>⊕</td> <td>MTS</td> <td>+</td> <td>HYDRANT</td> <td>+</td> </tr> <tr> <td>⊙</td> <td>VALVE</td> <td>⊙</td> <td>TRAFFIC SIGNALS</td> <td>⊕</td> <td>VALVE</td> <td>⊕</td> </tr> <tr> <td>525 LDS</td> <td>LAND DRAINAGE SEWER</td> <td>525 LDS</td> <td>GAS</td> <td>50 GAS</td> <td>300 LDS</td> <td>LAND DRAINAGE SEWER</td> </tr> <tr> <td>375 WWS</td> <td>WASTEWATER SEWER</td> <td>375 WWS</td> <td>SURVEY BAR</td> <td>250 WWS</td> <td>WASTEWATER SEWER</td> <td>250 WWS</td> </tr> <tr> <td>○</td> <td>MANHOLE</td> <td>●</td> <td>FENCE</td> <td>⊕</td> <td>PROFILE</td> <td>⊕</td> </tr> <tr> <td>□</td> <td>CATCH BASIN</td> <td>■</td> <td>POLE - HYDRO, MTS</td> <td>=====</td> <td>GROUND ABOVE PIPE</td> <td>=====</td> </tr> <tr> <td>▽</td> <td>CURB INLET</td> <td>▽</td> <td>CURB STOP</td> <td>⊕</td> <td>⊕ DITCH (NORTH & WEST)</td> <td>⊕</td> </tr> <tr> <td>⊕</td> <td>JUNCTIONS</td> <td>⊕</td> <td>GUY ANCHOR</td> <td>⊕</td> <td>⊕ DITCH (SOUTH & EAST)</td> <td>⊕</td> </tr> <tr> <td>⊕</td> <td>CULVERT</td> <td>⊕</td> <td>LIGHT STANDARD</td> <td>⊕</td> <td>⊕ GUTTER (NORTH & WEST)</td> <td>⊕</td> </tr> <tr> <td>⊕</td> <td>ANODE</td> <td>⊕</td> <td>TREE</td> <td>⊕</td> <td>⊕ GUTTER (SOUTH & EAST)</td> <td>⊕</td> </tr> <tr> <td>EXISTING</td> <td>LEGEND-PLAN</td> <td>PROPOSED</td> <td>EXISTING</td> <td>LEGEND-PLAN</td> <td>PROPOSED</td> <td>EXISTING</td> </tr> <tr> <td>---</td> <td>LEGEND-PROFILE</td> <td>---</td> <td>---</td> <td>---</td> <td>---</td> <td>---</td> </tr> </table> | 200 WM | WATERMAIN | 200 WM | SL, HYDRO | 150 WM | WATERMAIN | 150 WM | ⊕ | HYDRANT | ⊕ | MTS | + | HYDRANT | + | ⊙ | VALVE | ⊙ | TRAFFIC SIGNALS | ⊕ | VALVE | ⊕ | 525 LDS | LAND DRAINAGE SEWER | 525 LDS | GAS | 50 GAS | 300 LDS | LAND DRAINAGE SEWER | 375 WWS | WASTEWATER SEWER | 375 WWS | SURVEY BAR | 250 WWS | WASTEWATER SEWER | 250 WWS | ○ | MANHOLE | ● | FENCE | ⊕ | PROFILE | ⊕ | □ | CATCH BASIN | ■ | POLE - HYDRO, MTS | ===== | GROUND ABOVE PIPE | ===== | ▽ | CURB INLET | ▽ | CURB STOP | ⊕ | ⊕ DITCH (NORTH & WEST) | ⊕ | ⊕ | JUNCTIONS | ⊕ | GUY ANCHOR | ⊕ | ⊕ DITCH (SOUTH & EAST) | ⊕ | ⊕ | CULVERT | ⊕ | LIGHT STANDARD | ⊕ | ⊕ GUTTER (NORTH & WEST) | ⊕ | ⊕ | ANODE | ⊕ | TREE | ⊕ | ⊕ GUTTER (SOUTH & EAST) | ⊕ | EXISTING | LEGEND-PLAN | PROPOSED | EXISTING | LEGEND-PLAN | PROPOSED | EXISTING | --- | LEGEND-PROFILE | --- | --- | --- | --- | --- | <p>LOCATION APPROVED UNDERGROUND STRUCTURES</p> <p>SUPV. U/G STRUCTURES COMMITTEE DATE</p> <p>NOTE: LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.</p> | <p>B.M. ELEV. FIELD BOOK #:</p> <p>POSTED TO LISB</p> <p>NO. REVISIONS DATE BY</p> | <p>CITY OF WINNIPEG WATER AND WASTE ENGINEERING DIVISION</p> <p>DESIGNED BY SGL CHECKED BY NC/SC</p> <p>DRAWN BY CJH APPROVED BY KZ</p> <p>HOR. SCALE 1:250 VERTICAL 1:50</p> <p>RELEASED FOR CONSTRUCTION</p> <p>DATE 2008 09 12</p> | <p>ENGINEER'S SEAL</p> <p>ORIGINAL SIGNED BY K.R. ZUREK 08/09/12</p> <p>BID OPPORTUNITY: 699-2008 FILENAME: 8994.dwg PLOT DATE: 2008 09 12</p> | <p>THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT</p> <p>2008 SEWER RENEWALS CONTRACT 16</p> <p>HARGRAVE STREET MH AT HARGRAVE PLACE TO 2ND MH N OF ASSINIBOINE AVENUE</p> | <p>SHEET 3 OF 8</p> <p>CITY DRAWING NUMBER 8693</p> |
| 200 WM | WATERMAIN | 200 WM | SL, HYDRO | 150 WM | WATERMAIN | 150 WM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ⊕ | HYDRANT | ⊕ | MTS | + | HYDRANT | + | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ⊙ | VALVE | ⊙ | TRAFFIC SIGNALS | ⊕ | VALVE | ⊕ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 525 LDS | LAND DRAINAGE SEWER | 525 LDS | GAS | 50 GAS | 300 LDS | LAND DRAINAGE SEWER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 375 WWS | WASTEWATER SEWER | 375 WWS | SURVEY BAR | 250 WWS | WASTEWATER SEWER | 250 WWS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ○ | MANHOLE | ● | FENCE | ⊕ | PROFILE | ⊕ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| □ | CATCH BASIN | ■ | POLE - HYDRO, MTS | ===== | GROUND ABOVE PIPE | ===== | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ▽ | CURB INLET | ▽ | CURB STOP | ⊕ | ⊕ DITCH (NORTH & WEST) | ⊕ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ⊕ | JUNCTIONS | ⊕ | GUY ANCHOR | ⊕ | ⊕ DITCH (SOUTH & EAST) | ⊕ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ⊕ | CULVERT | ⊕ | LIGHT STANDARD | ⊕ | ⊕ GUTTER (NORTH & WEST) | ⊕ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ⊕ | ANODE | ⊕ | TREE | ⊕ | ⊕ GUTTER (SOUTH & EAST) | ⊕ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| EXISTING | LEGEND-PLAN | PROPOSED | EXISTING | LEGEND-PLAN | PROPOSED | EXISTING | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| --- | LEGEND-PROFILE | --- | --- | --- | --- | --- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |