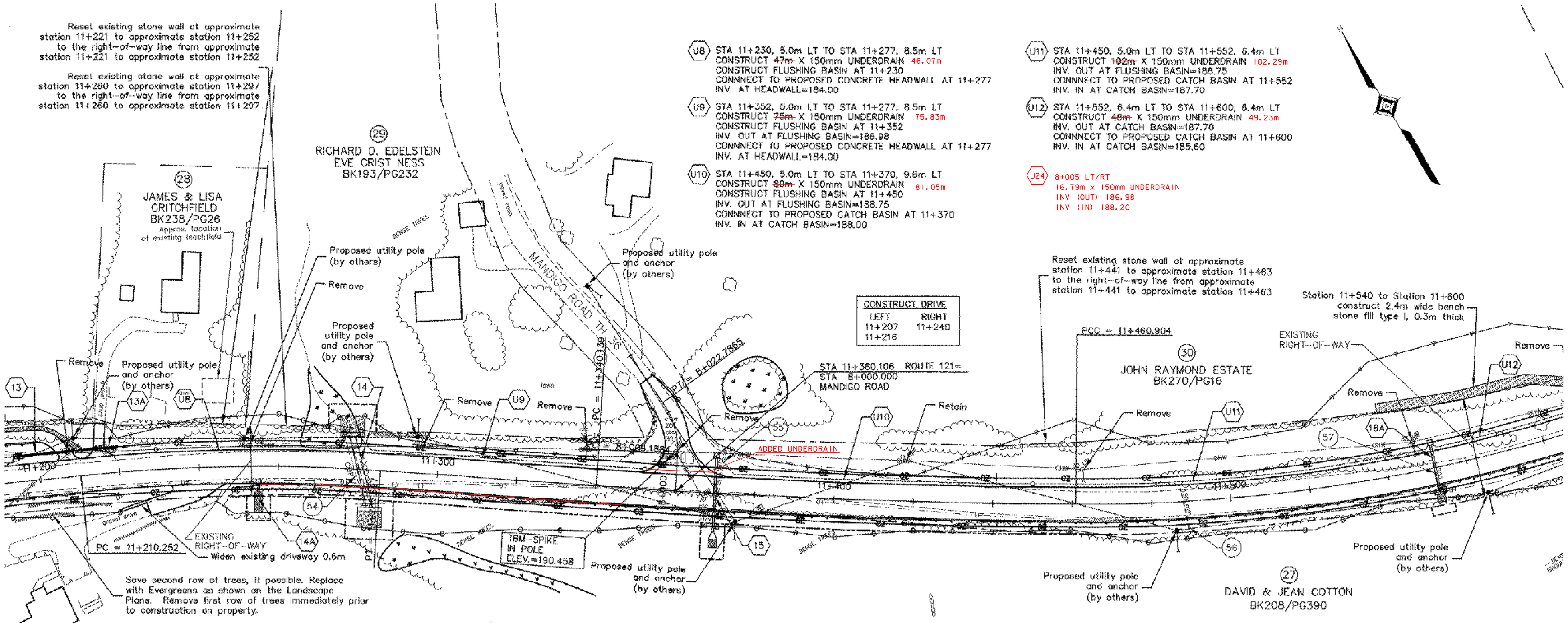
Metric




U8 STA 11+230, 5.0m LT TO STA 11+277, 8.5m LT
CONSTRUCT ~~47m~~ X 150mm UNDERDRAIN 46.07m
CONSTRUCT FLUSHING BASIN AT 11+230
CONNNECT TO PROPOSED CONCRETE HEADWALL AT 11+277
INV. AT HEADWALL=184.00

U9 STA 11+352, 5.0m LT TO STA 11+277, 8.5m LT
CONSTRUCT ~~75m~~ X 150mm UNDERDRAIN 75.83m
CONSTRUCT FLUSHING BASIN AT 11+352
INV. OUT AT FLUSHING BASIN=186.98
CONNNECT TO PROPOSED CONCRETE HEADWALL AT 11+277
INV. AT HEADWALL=184.00

U10 STA 11+450, 5.0m LT TO STA 11+370, 9.8m LT
CONSTRUCT ~~80m~~ X 150mm UNDERDRAIN 81.05m
CONSTRUCT FLUSHING BASIN AT 11+450
INV. OUT AT FLUSHING BASIN=188.75
CONNNECT TO PROPOSED CATCH BASIN AT 11+370
INV. IN AT CATCH BASIN=188.00

U11 STA 11+450, 5.0m LT TO STA 11+552, 6.4m LT
CONSTRUCT ~~102m~~ X 150mm UNDERDRAIN 102.29m
INV. OUT AT FLUSHING BASIN=188.75
CONNNECT TO PROPOSED CATCH BASIN AT 11+552
INV. IN AT CATCH BASIN=187.70

U12 STA 11+552, 6.4m LT TO STA 11+600, 6.4m LT
CONSTRUCT ~~48m~~ X 150mm UNDERDRAIN 49.23m
INV. OUT AT CATCH BASIN=187.70
CONNNECT TO PROPOSED CATCH BASIN AT 11+600
INV. IN AT CATCH BASIN=185.60

U24 8+005 LT/RT
16.79m x 150mm UNDERDRAIN
INV (OUT) 186.98
INV (IN) 188.20

Box Beam Guardrail
~~Sta 11+249.0 to 11+908.0, RT~~
STA. 11+248 - 11+900 RT
Type II End
Sta 11+220.~~2,~~ RT
Sta ~~11+249.0,~~ RT
11+248

TREATED TIMBER CURB
STA. 11+255 - 11+345 RT

NEW DRAINAGE

13 STA 11+195, 6.4m LT TO STA 11+209, 6.4m LT
~~CONSTRUCT PRECAST CATCH BASIN~~ ELIMINATED C BASIN
CONSTRUCT 15m X 375mm RCP 14.6m
GRATE ELEV.=186.60
~~INV. 150mm (IN)=185.90~~
INV. 375mm (OUT)=185.90
INV. AT END OF PIPE=185.85

13A STA 11+211, 6.4m LT TO STA 11+220, 6.4m LT
CONSTRUCT ~~9m~~ X 375mm RCP 9.75m
INV. 375mm (IN)=185.85
INV. 375mm (OUT)=185.80

14 STA 11+277, 8.5m LT TO STA 11+283.5, 9.3m RT
CONSTRUCT CONCRETE HEADWALL AT INLET
CONSTRUCT ~~18m~~ X 1800mm RCP 19.5m
INV. AT HEADWALL (IN)=~~183.70~~ 183.50
INV. 150mm (IN)=184.00 (WEST)
INV. 150mm (IN)=184.00 (EAST)
CONSTRUCT CONCRETE HEADWALL AT OUTLET
INV. AT HEADWALL (OUT)=~~183.56~~ 182.00
CONSTRUCT STONE FILL TYPE IV AT HEADWALL

14A STA 11+255, 3.9m RT TO STA 11+255, 6.7m RT
CONSTRUCT PRECAST DROP INLET
CONSTRUCT ~~2.2m~~ X 375mm CPEP (SL) 3.9m
GRATE ELEV.=186.057
INV. 375mm (IN)=184.65
INV. AT END OF PIPE=184.55
CONSTRUCT STONE FILL TYPE I

15 STA 11+370, 9.6m LT TO STA 11+370, 9.5m RT
CONSTRUCT PRECAST CATCH BASIN
CONSTRUCT ~~17.9m~~ X 600mm CPEP (SL) 18.6m
GRATE ELEV.=~~188.90~~ 189.30
INV. 600mm (OUT)=187.70
INV. 150mm (IN)=188.00
~~CONSTRUCT 600mm RCP END SECTION~~ ELMINATED
INV. AT END SECTION (OUT)=187.50
CONSTRUCT STONE FILL TYPE II

16A STA 11+552, 6.4m LT TO STA 11+552, 6.7m RT
CONSTRUCT PRECAST CATCH BASIN
CONSTRUCT ~~11.9m~~ X 600mm CPEP (SL) 14.5m
GRATE ELEV.=186.46
INV. 600mm (OUT)=187.30
INV. 150mm (IN)=187.70 (WEST)
INV. 150mm (IN)=187.70 (EAST)
CONSTRUCT CONCRETE HEADWALL
INV. AT HEADWALL=187.20
CONSTRUCT STONE FILL TYPE I

EXISTING DRAINAGE

54 1200mm --- REMOVE
55 450mm --- REMOVE
56 150mm --- REMOVE
57 300mm --- REMOVE

| DATUM | |
|---|---|
| VERTICAL | NGVD 1929 |
| HORIZONTAL | NAD 1927 |

NOTE:
THE RELOCATION OF UTILITIES (POLES,ANCHORS, ETC.) WILL BE PERFORMED BY THE UTILITY COMPANY. THE EXISTING UNDERGROUND TELEPHONE LINE WILL BE ABANDONED IN PLACE. REMOVAL AND DISPOSAL OF LINES WILL BE THE CONTRACTORS RESPONSIBILITY.

V:/1261/CADD/PLANS/PLAN-C2.DWG

GRAPHIC SCALE
( IN METERS )
10 0 5 10 20 30 40 50
1 : 500

THE LOUIS BERGER GROUP, INC.

ROUTE 121 LAYOUT PLAN — 100% DESIGN

| PROJECT: GRAFTON--ROCKINGHAM, ROUTE 121 | PROJECT NO. : STP 0126(4)S |
|---|---|
| DESIGN FILE NAME: | |
| IPARM FILE NAME: | PLOT DATE: 12/08/03 |
| SURVEYED BY: | SURVEY DATE: |
| SQUAD LEADER: | DRAWN BY: |
| | SHEET: 14 OF 116 |