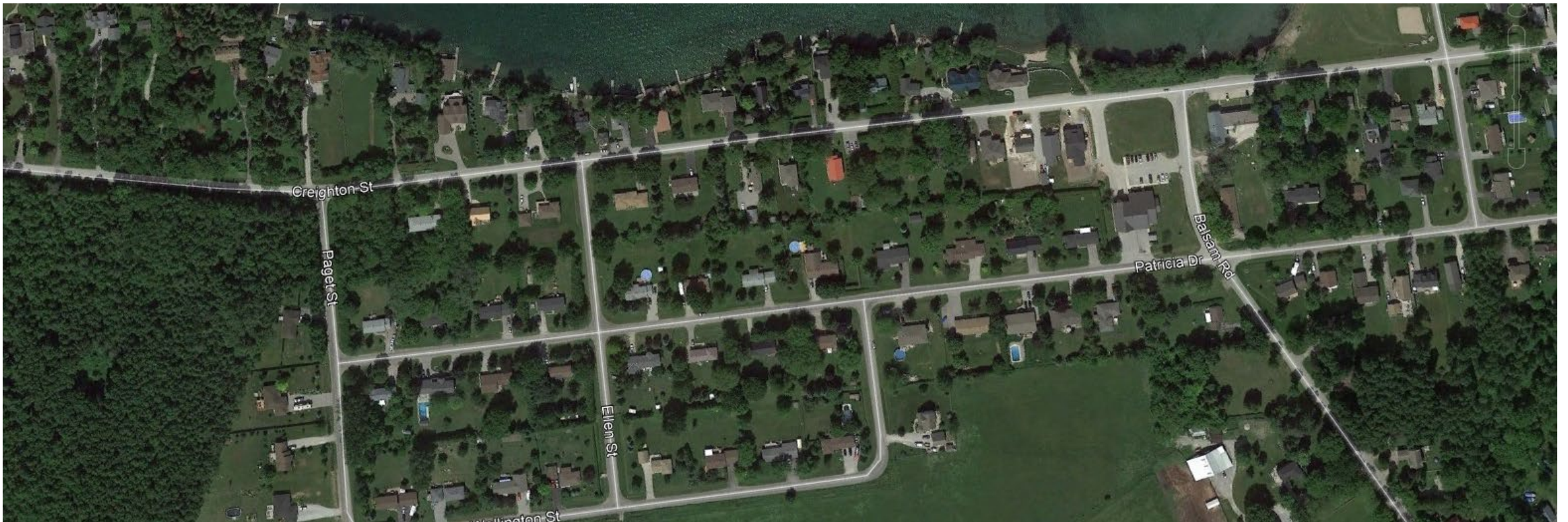




PATRICIA DRIVE PUBLIC INFORMATION CENTRE

June 18, 2021

PROJECT AREA



EXISTING CONDITIONS



EXISTING CONDITIONS



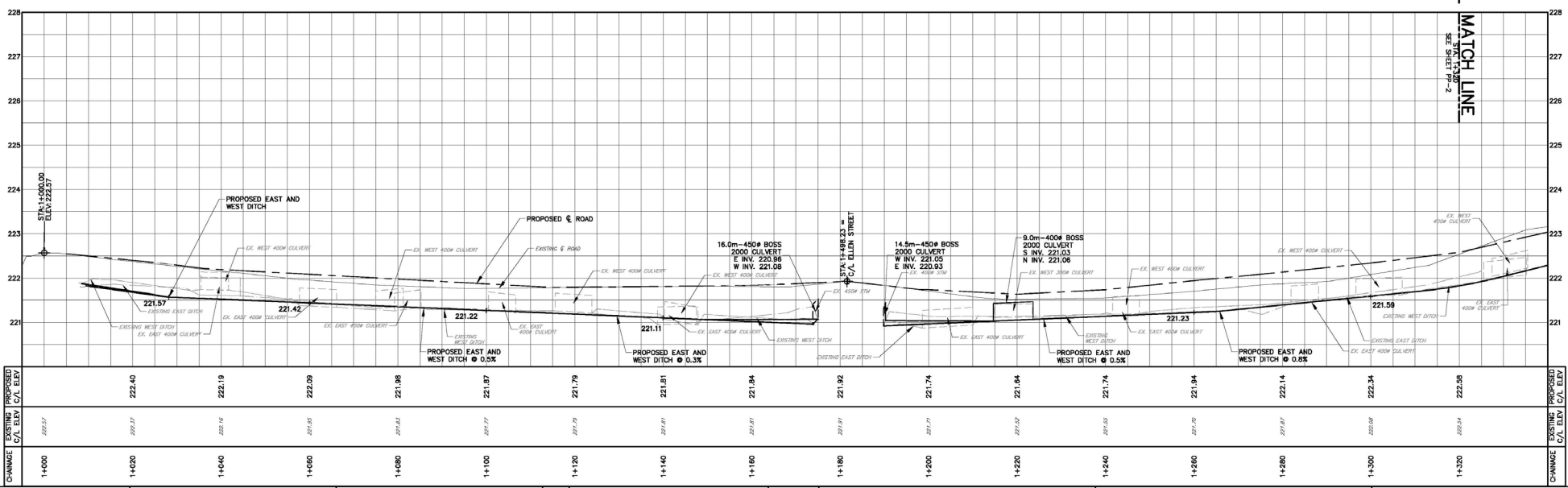
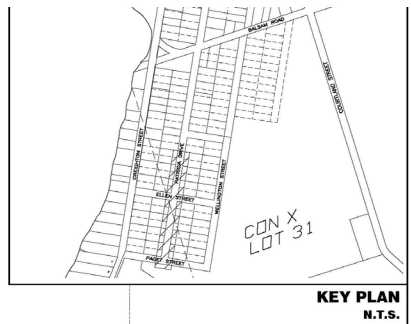
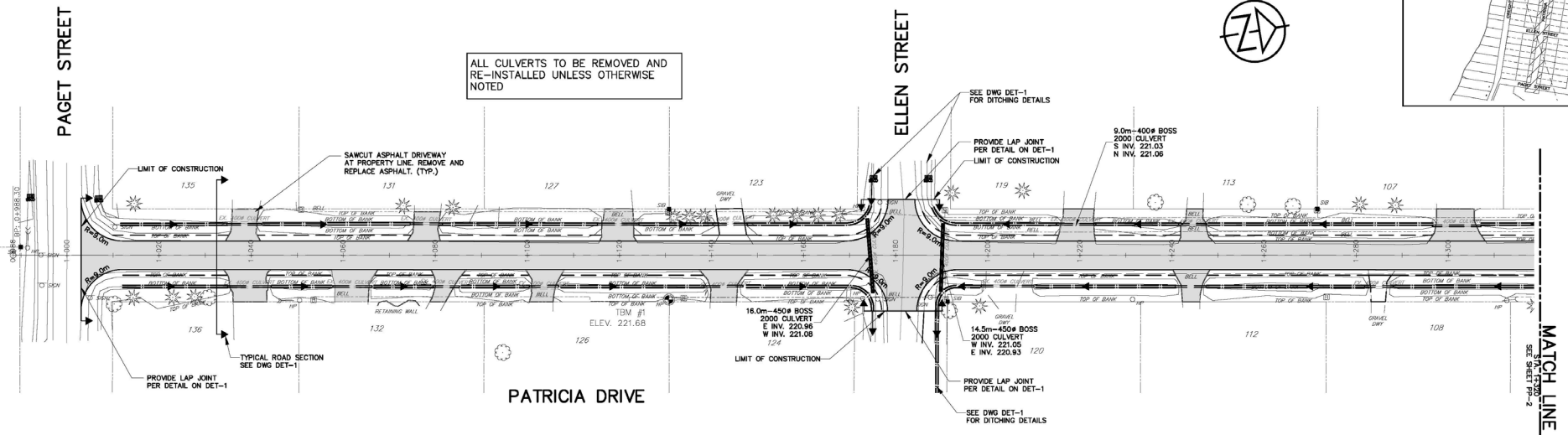
EXISTING CONDITIONS



PROPOSED IMPROVEMENTS



- Replace road base to stabilize road
- Regrade road crown – Patricia Drive
- Clear drainage easement east of Wellington Street
- Improve ditch grading and culvert alignments to promote drainage and eliminate ponding
- No improvements on private property
- Asphalt paving – Patricia Drive
- Regrade ditches along Ellen Street from Patricia Drive to Wellington Street



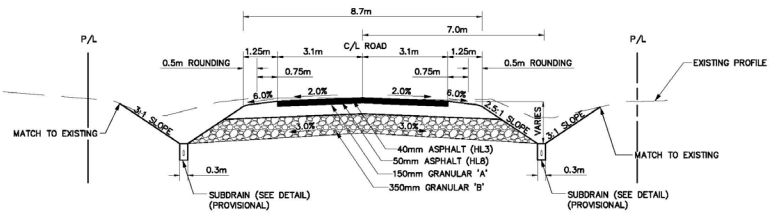
CHANGING	EXISTING C.V. ELEV	PROPOSED C.V. ELEV	CHANGING	EXISTING C.V. ELEV	PROPOSED C.V. ELEV
14000	222.57	222.40	14020	222.17	222.19
14040	222.16	222.09	14060	221.85	221.98
14100	221.77	221.87	14120	221.79	221.79
14140	221.61	221.61	14160	221.61	221.64
14180	221.61	221.92	14200	221.71	221.74
14220	221.52	221.64	14240	221.53	221.74
14260	221.70	221.94	14280	221.67	222.14
14300	222.08	222.34	14320+1	222.14	222.58

1. GENERAL REQUIREMENTS

- 1) ALL WORK TO BE DONE TO TOWNSHIP OF RAMARA STANDARDS AND OPSS.MUNI. WHERE A CONFLICT OCCURS TOWNSHIP OF RAMARA STANDARDS GOVERN.
- 2) THE CONTRACTOR IS RESPONSIBLE FOR LAYOUT. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF, AND FOR THE COST OF REPLACING, LAYOUT STAKES, BENCHMARKS AND SURVEY BARS.
- 3) THE CONTRACTOR IS REQUIRED TO CONFIRM EXISTING GRADES AND REPORT ANY DISCREPANCIES TO THE ENGINEER BEFORE COMMENCING WORK.
- 4) THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING INFORMATION IN REGARD TO EXACT LOCATION OF BURIED UTILITIES. THIS SHALL INCLUDE EXCAVATION OF INSPECTION HOLES IF NECESSARY. THE CONTRACTOR MUST EXERCISE NECESSARY CARE IN CONSTRUCTION OPERATIONS INCLUDING IF NECESSARY HAND DIGGING TO SAFEGUARD UTILITIES FROM DAMAGE. THE CONTRACTOR SHALL ARRANGE FOR TEMPORARY SUPPORT OF UTILITY POLES AS MAY BE REQUIRED TO COMPLETE THE WORK. THE CONTRACTOR IS LIABLE FOR ALL DAMAGE TO UTILITIES OCCURRING WITHIN OR OUTSIDE THE CONTRACT LIMITS CAUSED BY HIS OPERATIONS.
- 5) THE CONTRACTOR IS TO SUBMIT SAMPLES AND A GRADATION ANALYSIS OF THE PROPOSED GRANULAR MATERIALS FOR APPROVAL BY THE ENGINEER PRIOR TO PLACING.
- 6) TRAFFIC SIGN LOCATIONS TO TOWNSHIP OF RAMARA STANDARDS.
- 7) METAL SIGNS TO OPSS 2001.
- 8) EXCESS CONTROL AND SIGNAGE DURING CONSTRUCTION SHALL CONFORM TO MUNICIPAL REQUIREMENTS AND THE MOST CURRENT ONTARIO CONSTRUCTION REGULATIONS INCLUDING REGULATION No. 213 UNDER OHSA AND REFERENCE TO MTO TEMPORARY CONDITIONS MANUAL BOOK No. 7.
- 9) THE CONTRACTOR IS RESPONSIBLE FOR SILTATION CONTROL DURING CONSTRUCTION. SILTATION CONTROL TO BE IN PLACE PRIOR TO COMMENCEMENT OF WORK AND MUST BE MAINTAINED BY THE CONTRACTOR UNTIL GROUND COVER IS ESTABLISHED.
- 10) THE CONTRACTOR SHALL MAINTAIN ADEQUATE INGRESS AND EGRESS TO ALL PRIVATE PROPERTY AT ALL TIMES. ALL DRIVEWAYS DISTURBED DURING CONSTRUCTION SHALL BE RE-INSTITATED TO EXISTING CONDITION OR BETTER.
- 11) THE CONTRACTOR SHALL SUPPLY ALL NECESSARY WATER AND/OR CALCIUM CHLORIDE AS REQUIRED FOR COMPACTION AND/OR DUST CONTROL. CALCIUM CHLORIDE FLAKE AND SOLUTION TO OPSS.MUNI 2501. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES TO OPSS.MUNI 800. THE CONTRACTOR SHALL EXERCISE CARE TO ENSURE THAT SEDIMENT RUNOFF FROM THE CONSTRUCTION AREA IS NOT ALLOWED TO ENTER WATER COURSES. ROCK CHECK DAMS SHALL BE CONSTRUCTED AS REQUIRED TO CONTROL SEDIMENT RUNOFF. NO DEBRIS SHALL BE DISPOSED OF IN OR NEAR WATER COURSES.
- 12) DUST SUPPRESSANTS TO OPSS.MUNI 506.
- 13) GRADING TO OPSS.MUNI 206. CLEAR AND GRUB ALL SCRUB, BUSHES, TREES AND REMOVAL OF ALL SURFACE BOULDERS AS REQUIRED TO INSTALL WORKS AS PER OPSS.MUNI 201.
- 14) TOPSOIL TO BE STRIPPED AND TEMPORARILY STOCKPILED AT A LOCATION APPROVED BY THE ENGINEER UNTIL REAPPLIED FOR RESTORATION WORK.
- 15) EXCESS OR UNSUITABLE MATERIALS TO BE DISPOSED OF BY THE CONTRACTOR AT AN APPROVED LOCATION AS PART OF THE WORK TO OPSS.MUNI 180.
- 16) FOR THE DURATION OF THE CONTRACT, MATERIAL THAT BECOMES CONTAMINATED DUE TO CONTRACTOR'S ACTIVITY SHALL BE REMOVED AND REPLACED AT NO EXTRA COST TO THE CONTRACT.
- 17) BOSS 2000 HDPE PIPE AS PER OPSS.MUNI 421.
- 18) COMPACTING TO OPSS.MUNI 501.
- 19) GENERAL AGGREGATES TO OPSS.MUNI 1001.
- 20) HOT MIX, AGGREGATES TO OPSS.MUNI 1003. ASPHALT CEMENT TO OPSS.MUNI 1101. ASPHALT TO OPSS.MUNI 1102.
- 21) HOT MIX, HOT LAID ASPHALTIC CONCRETE PAVING TO OPSS.MUNI 310.
- 22) GRANULAR 'A' AND 'B' TO OPSS.MUNI 1010. LIMESTONE GRANULARS ARE NOT ACCEPTABLE.
- 23) JOINTS WITH EXISTING ASPHALT TO BE SAW CUT STRAIGHT AND GROUND MIN. 1.0m WIDE AS DIRECTED BY ENGINEER PRIOR TO PLACING NEW ASPHALT.
- 24) IF ASPHALT SURFACES SETTLE IN EXCESS OF 20mm OR DIFFERENTIALLY DURING THE MAINTENANCE PERIOD, THE ENGINEER SHALL ORDER THE AREA CUT OUT AND REPLACED AT NO EXTRA COST TO THE CONTRACT.
- 25) GRANULAR 'A' AND 'B' BASES TO BE COMPACTED TO 100% OF EACH MATERIALS SPMD0.
- 26) SUBGRADE TO BE COMPACTED TO A MAXIMUM DRY DENSITY OF 95% OF THE MATERIALS STANDARD MAXIMUM DRY DENSITY (SPMD0).
- 27) FILTER FABRIC - TERRAFIX 270R OR APPROVED EQUAL.
- 28) DISTURBED AREAS TO BE REINSTITATED TO PREVIOUS CONDITION OR BETTER.
- 29) DITCHES AND BOULEVARDS ARE TO RECEIVE 75mm TOPSOIL AND SEED & MULCH AS PER OPSS 572 UNLESS OTHERWISE NOTED. TOPSOIL INSTALLATION TO OPSS 802.
- 30) PIPE CULVERTS BY OPEN CUT METHOD TO OPSS.MUNI 421, OPSS 802.01, 802.013, 803.03 AND 808.01.

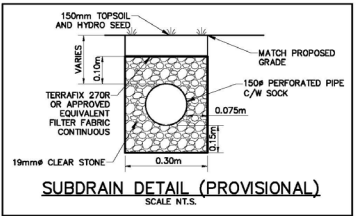
LEGEND

- EXISTING PROPERTY LINE
- EXISTING CENTERLINE
- EXISTING EDGE OF ASPHALT
- EXISTING EDGE OF SHOULDER
- EXISTING DITCH
- EXISTING FENCE LINE
- EXISTING EDGE OF BUSH
- EXISTING CULVERT
- EXISTING HYDRO POLE
- EXISTING HYDRO GUY WIRE
- EXISTING STANDARD IRON BAR
- EXISTING TRAFFIC SIGN
- EXISTING TEMPORARY BENCHMARK
- EXISTING BELL PEDESTAL
- PROPOSED EDGE OF ASPHALT
- PROPOSED EDGE OF SHOULDER
- PROPOSED DITCH
- PROPOSED CULVERT
- ASPHALT REMOVAL



TYPICAL RECONSTRUCTION ROAD CROSS

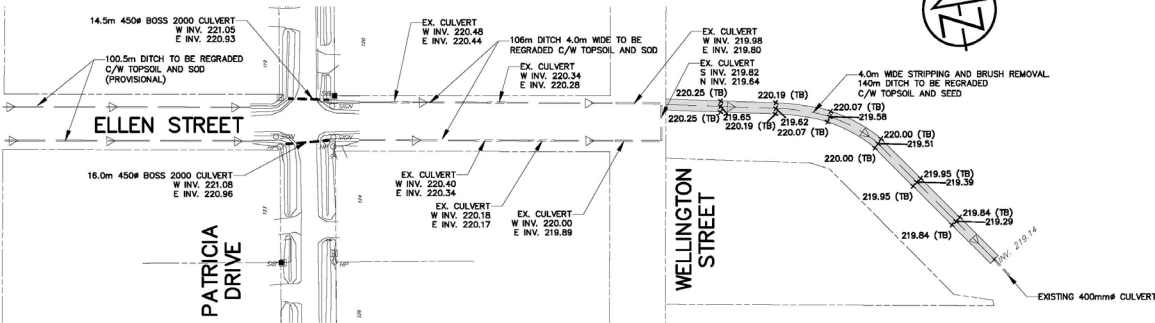
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VERTICAL 1:50



SUBDRAIN DETAIL (PROVISIONAL)

SCALE N.T.S.

CREIGHTON STREET

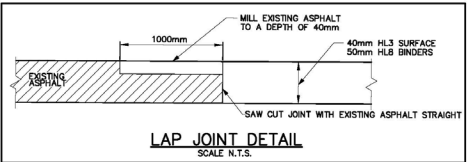


NOTES:

1. 3:1 MAX. SIDE SLOPE.
2. DITCH TO BE GRADED TO MATCH EXISTING CULVERT INVERTS.
3. 0.3m WIDE FLAT BOTTOM.

ELLEN STREET DITCHING DETAILS

SCALE 1:1000



LAP JOINT DETAIL

SCALE N.T.S.

BEFORE YOU FINISH



Have all of your questions been addressed?

Have you signed up for the email updates?

Have you completed a comment sheet?



THANK YOU!



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