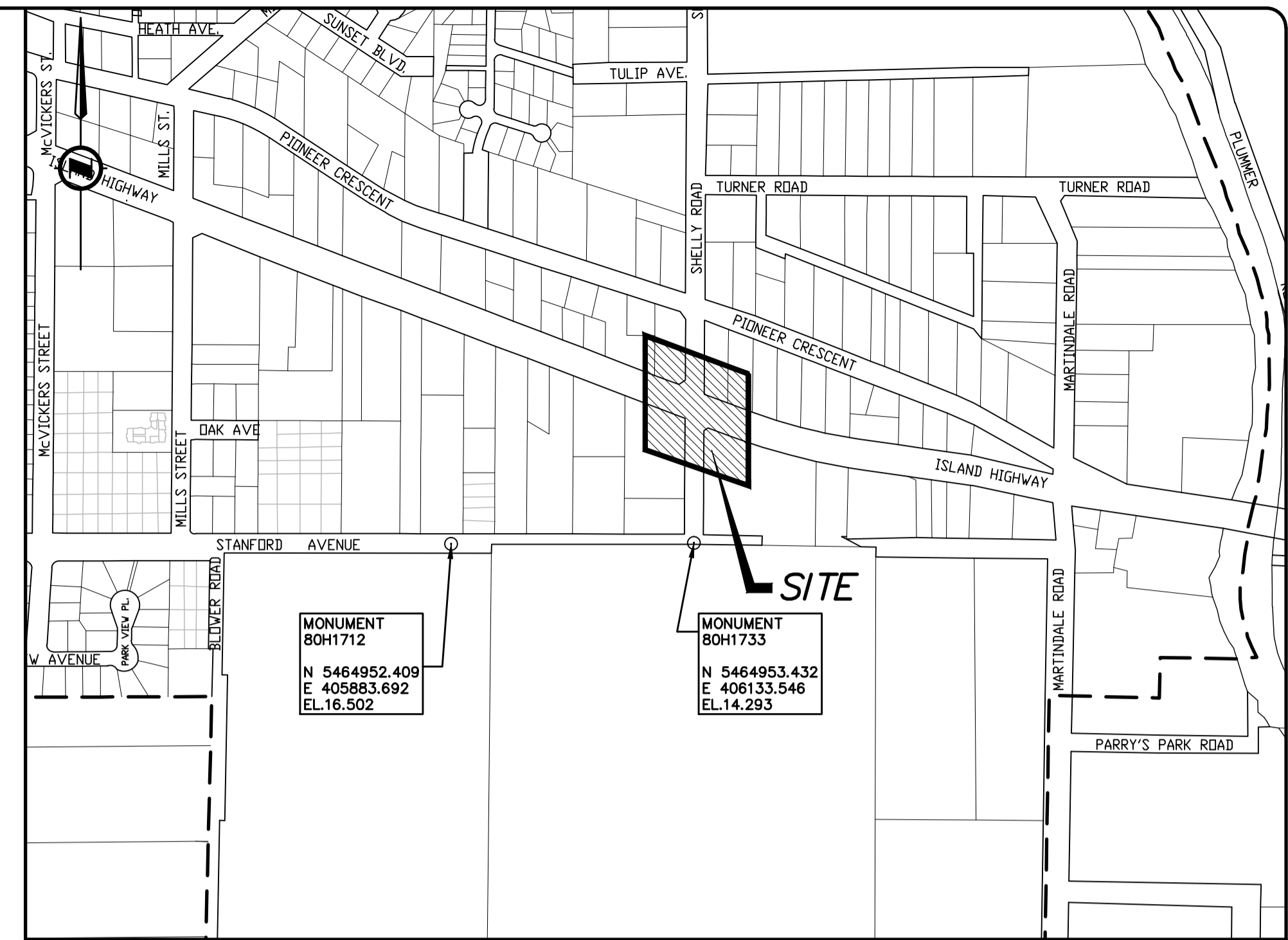
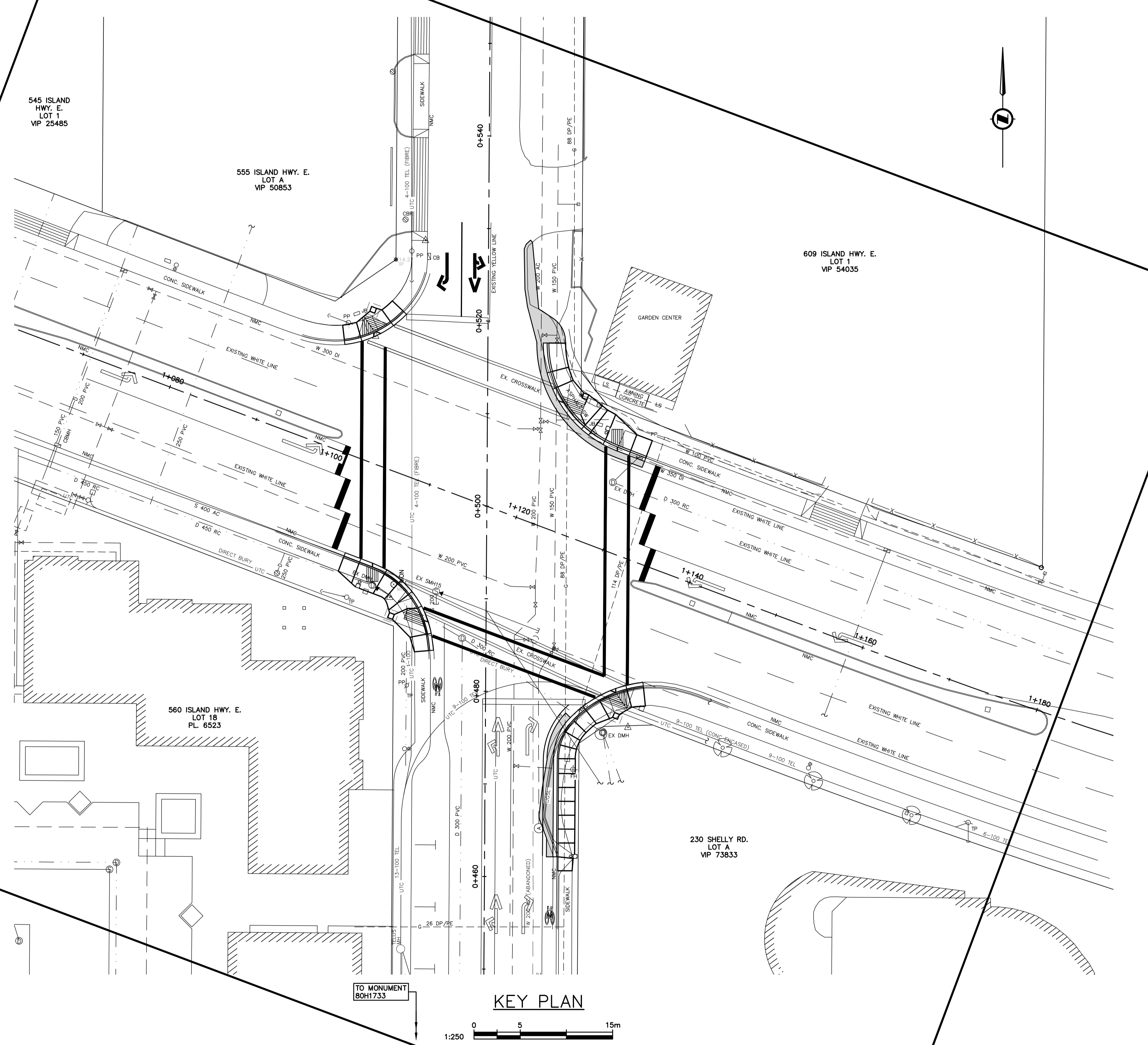


DWG 1233-03, 04, 05

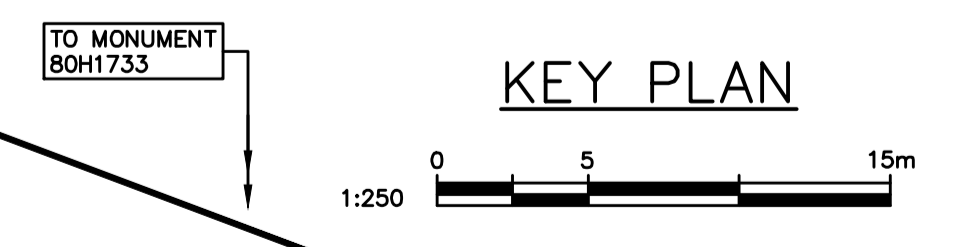


LOCATION PLAN
1:5,000

DRAWING LIST

DWG No.	SHEET No.	DRAWING TITLE
1233-01	1/7	LOCATION PLAN, KEY PLAN AND DRAWING LIST
1233-02	2/7	LEGEND AND GENERAL NOTES
1233-03	3/7	EXISTING CONDITIONS
1233-04	4/7	CIVIL WORKS
1233-05	5/7	LINE PAINTING
1233-06	6/7	SIDEWALK LETDOWN DETAILS
1233-07	7/7	MISCELLANEOUS DETAILS
111232-E1	1/3	PBA - TRAFFIC SIGNAL AND STREET LIGHTING SITE PLAN - NOTES
111232-E2	2/3	PBA - TRAFFIC SIGNAL AND STREET LIGHTING SITE PLAN ENLARGEMENT
111232-E3	3/3	PBA - TRAFFIC SIGNAL AND STREET LIGHTING ELEVATIONS - DETAILS

NOTE: SURVEY CONTROL BASED ON MONUMENTS 80H1712 AND 80H1733



Prepared By

Design by	Date
RC	JUNE 2013
Drawn by	Date
RC	JUNE 1013
Checked by	Date
RH	JUNE 2013
Approved by	Date

No	Date	Revisions	By
A	19JUNE13	70% DESIGN REVIEW	RC
B	14APR14	95% DESIGN REVIEW	RC
C	04NOV15	100% DESIGN	RC
D	15AUG18	FOR TENDER	RC

Developer
CITY OF PARKSVILLE

Location
HWY 19A AT SHELLY ROAD



Project
INTERSECTION UPGRADE SHELLY RD / HWY 19A

Title
LOCATION PLAN, KEY PLAN AND DRAWING LIST

City of Parksville Project No. 5330-20-Shelly	Scale AS SHOWN
City of Parksville Drawing No.	Consultant's Drawing No. 1233-01
Sheet No. 1/7	Rev. D

GENERAL NOTES

1. THE CONTRACTOR WILL BE REQUIRED TO OBTAIN AN APPLICATION FOR PERMISSION TO WORK ON CITY PROPERTY PERMIT AND PROVIDE PROOF OF LIABILITY INSURANCE COVERAGE IN THE AMOUNT OF \$5,000,000 WITH THE CITY OF PARKSVILLE AS AN ADDITIONAL INSURED PRIOR TO CONSTRUCTION.
2. THE CONTRACTOR SHALL SUPPLY THE CITY WITH THE NAMES OF THE CONTRACTOR'S EMERGENCY PERSONNEL AND THEIR AFTER HOUR PHONE NUMBERS.
3. THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES AT LEAST 48 HOURS IN ADVANCE OF CONSTRUCTION FOR ALL REQUIRED UNDERGROUND LOCATES.
4. ALL SURVEY MONUMENTS WITHIN THE PROJECT BOUNDARIES SHALL BE PROTECTED DURING THE COURSE OF THE WORK. SHOULD ANY SURVEY MONUMENT REQUIRE RAISING OR RELOCATION, THE CONTRACTOR SHALL NOTIFY THE CITY ENGINEERING DEPARTMENT AT LEAST 72 HOURS IN ADVANCE OF SCHEDULING WORK. ALL DISTURBED MONUMENTS WILL BE REPLACED BY A B.C. LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE.
5. SURVEY PINS DISTURBED DURING THE COURSE OF CONSTRUCTION SHALL BE REPLACED BY A B.C. LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE.
6. ALL REQUESTED CHANGES TO THE APPROVED ENGINEERING DESIGN DRAWINGS SHALL BE SUBMITTED BY CERTIFIED CHANGE ORDER PREPARED BY THE CONSULTANT AND SUBMITTED TO THE CITY FOR APPROVAL.
7. RESIDENTS DIRECTLY AFFECTED BY CONSTRUCTION, EMERGENCY SERVICES (E.G. FIRE, AMBULANCE), AND OTHER AFFECTED SERVICES (E.G. PUBLIC TRANSIT, POSTAL SERVICE, ETC.), SHALL BE GIVEN AT LEAST 2 DAYS NOTICE PRIOR TO THE START OF CONSTRUCTION. IF CONSTRUCTION ENTERS ONTO PRIVATE PROPERTY, THE CONTRACTOR WILL REQUIRE WRITTEN AUTHORIZATION FROM THE PROPERTY OWNER PRIOR TO UNDERTAKING ANY WORK.
8. ALL OPEN CUT EXCAVATIONS SHALL BE BACKFILLED BY THE END OF THE WORKING DAY UNLESS OTHERWISE AUTHORIZED BY THE DIRECTOR OF ENGINEERING AND OPERATIONS.
9. THE CONTRACTOR SHALL PROVIDE CONSTRUCTION SIGNAGE, BARRIERS, FLASHING INDICATORS, ETC. AT ALL TIMES TO ENSURE THE SAFETY OF THE PUBLIC. TRAFFIC CONTROL WILL BE REQUIRED FOR ALL CONSTRUCTION WORKS WITHIN THE TRAVELED PORTION OF THE ROAD. NO ROAD SHALL BE CLOSED WITHOUT THE WRITTEN CONSENT OF THE DIRECTOR OF ENGINEERING AND OPERATIONS.
10. ALL PUBLIC ROADWAYS AFFECTED BY THE WORKS SHALL BE KEPT IN A CLEAN STATE AT ALL TIMES. DUST CONTROL MEASURES SHALL ALSO BE EMPLOYED DURING THE COURSE OF THE WORK.
11. WORKING HOURS FOR CONSTRUCTION SHALL BE LIMITED TO 7:00 AM TO 9:00 PM, MONDAY THROUGH SATURDAY, WITH NO WORK PERFORMED ON SUNDAY. NO WORK SHALL TAKE PLACE ON ANY STATUTORY HOLIDAY.
12. ITEMS REMOVED, AND NOT INTENDED FOR RE-USE OR DISPOSAL ARE TO BE DELIVERED TO THE CITY OF PARKSVILLE'S PUBLIC WORKS YARD.
13. ALL LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES ARE APPROXIMATE ONLY AND ARE NOT NECESSARILY SHOWN. ACTUAL LOCATIONS SHOULD BE CONFIRMED BY MANUAL EXCAVATION PRIOR TO CONSTRUCTION.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING EXISTING UTILITIES THAT MAY AFFECT THE WORK.

PROJECT SPECIFIC NOTES

1. ELEVATIONS ARE TO METRIC GEODETIC DATUM. MONUMENT 80H1733 EL. = 14.293, LOCATED AT THE INTERSECTION OF STANFORD AVE. AND SHELLY ROAD.
2. CONTRACTOR TO PROVIDE TEMPORARY SUPPORT FOR UTILITY POLES AS REQUIRED DURING CONSTRUCTION.
3. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CITY OF PARKSVILLE ENGINEERING STANDARDS AND SPECIFICATIONS 2018, UNDER BYLAW 1540.
4. CONTRACTOR SHALL REPAIR AT HIS OWN EXPENSE ALL BROKEN OR DISTURBED PIPES, CONDUITS, ROADWAYS OR STRUCTURES THAT ARE DAMAGED DURING CONSTRUCTION.
5. CONTRACTOR TO MANDRILL EXISTING ELECTRICAL CONDUITS AND CONFIRM ADEQUACY PRIOR TO CONSTRUCTION.

ROADWORKS NOTES

1. A SOILS CONSULTANT RETAINED BY THE CITY MAY CONDUCT INTERMITTENT TESTING AND QUALITY CONTROL DURING THE PREPARATION OF SUBGRADE AND CONSTRUCTION OF THE DESIGN ROAD STRUCTURE. FREQUENCY OF TESTING SHALL BE IN ACCORDANCE WITH SECTION R2 OF THE ENGINEERING STANDARDS AND SPECIFICATIONS.
2. ALL ROAD SUBGRADE, SUBBASE, AND BASE STRUCTURES SHALL BE COMPACTED TO A MINIMUM OF 95% MODIFIED PROCTOR. COMPACTION FOR EACH LAYER OF SUBGRADE, SUBBASE AND BASE COURSE SHALL BE SPOT TESTED WITH A NUCLEAR DENSOMETER AND A FINAL PROOF ROLL SHALL BE PERFORMED WITH A LOADED SINGLE AXLE TRUCK PRIOR TO THE PLACEMENT OF ASPHALT. THE CITY WORKS INSPECTOR SHALL BE GIVEN AT LEAST 24 HOURS NOTICE IN ADVANCE TO WITNESS A PROOF ROLL TEST.
3. ASPHALT PAVING OF THE ROAD BASE SHALL NOT BE COMPLETED UNTIL ALL UNDERGROUND WORKS HAVE BEEN VERIFIED AND ACCEPTED BY THE DIRECTOR OF ENGINEERING AND OPERATIONS. FREQUENCY AND TESTING OF HOT MIX ASPHALT CORES SHALL BE IN ACCORDANCE WITH SECTION R2 OF THE ENGINEERING STANDARDS AND SPECIFICATIONS.
4. CONCRETE TESTING WILL BE REQUIRED FOR ALL CURB AND SIDEWALK STRUCTURES AND SHALL BE COMPLETED IN ACCORDANCE WITH SECTION R2 OF THE ENGINEERING STANDARDS AND SPECIFICATIONS. SEVEN DAY TEST RESULTS FOR ALL CONCRETE CURBS SHALL BE COMPLETED AND SUBMITTED TO THE CITY PRIOR TO APPROVAL FOR PAVING.
5. THE CITY WILL NOT PERMIT THE USE OF TRACK EQUIPMENT ON PAVEMENT WHICH IS NOT INTENDED FOR REPLACEMENT. SHOULD DAMAGE TO THE PAVED SURFACE OCCUR, THE CONTRACTOR WILL TAKE FULL RESPONSIBILITY FOR ALL REPAIRS. REPAIRS TO DAMAGED ASPHALT PAVING MAY INCLUDE REPLACEMENT OF THE PAVED SURFACE IF DEEMED NECESSARY BY THE DIRECTOR OF ENGINEERING AND OPERATIONS.
6. ALL TRAFFIC SIGNAGE AND LINE PAINTING SHALL BE COMPLETED BY THE CONTRACTOR UNLESS OTHERWISE NOTED ON THE APPROVED ENGINEERING DESIGN DRAWINGS.
7. ALL ROAD CUTS ON ASPHALT ROADWAYS SHALL BE PATCHED WITH COLD MIX WITHIN 24 HOURS OF COMPLETION OF EXCAVATION, UNLESS OTHERWISE APPROVED BY THE CITY WORKS INSPECTOR.
8. LINE PAINTING TO BE LAID OUT AND THE LAYOUT REVIEWED AND APPROVED BY THE ENGINEER AND THE CITY PRIOR TO PAINT APPLICATION.

	EXISTING	DESCRIPTION	PROPOSED
WATERMAIN	W 200# PVC	WATERMAIN (SIZE NOTED)	W 200# PVC
	---	WATER SERVICE & METER	---
	---	FLUSH OUT	---
	---	AIR VALVE	---
SANITARY	S 200# PVC	SANITARY SEWER (SIZE NOTED)	S 200# PVC
	o	SANITARY INSPECTION CHAMBER	•
	o	SANITARY CLEANOUT	•
	o	SANITARY MANHOLE	o
STORM	D 200# PVC	STORM DRAIN (SIZE NOTED)	D 200# PVC
	•	STORM INSPECTION CHAMBER	•
	o	STORM CLEANOUT	•
	o	STORM DRAIN MANHOLE	o
	■	CATCH BASIN	■
	o	CATCH BASIN (LB) - TYPE 2	o
	^	CULVERT END / HEADWALL	^
3rd PARTY UTILITIES	---	GAS	---
	---	U/G HYDRO ELECTRIC CONDUIT	---
	---	U/G TELEPHONE CONDUIT	---
	---	OVERHEAD WIRES	---
	□	TRAFFIC LIGHT	□
	□	ELECT. JUNCTION BOX	□
	o	STREET LIGHT	o
	o	SIGN	o
	---	EDGE OF PAVEMENT	---
	---	EXTRUDED CONCRETE CURB	---
ROAD AND SIDEWALK	NMC	NON-MOUNTABLE CURB	---
	MC	MOUNTABLE CURB	MC
	---	ROAD CONSTRUCTION	---
	---	CONCRETE SIDEWALK 1.8m	---
LANDSCAPING / SURFACE TREATMENT	---	TOP OF BERM	---
	---	TOE OF BERM	---
	X	FENCE	X
	o	TREE/TREELINE	o

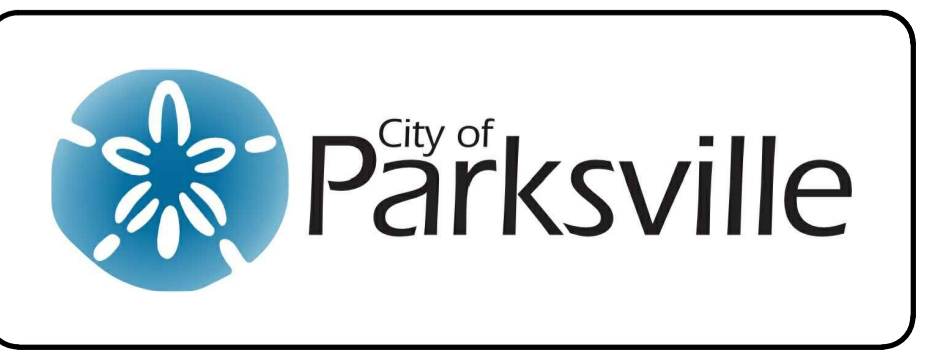
Prepared By

Design by	Date
RC	JUNE 2013
Drawn by	Date
RC	JUNE 2013
Checked by	Date
RH	JUNE 2013
Approved by	Date

No	Date	Revisions	By
A	19JUNE13	70% DESIGN REVIEW	RC
B	14APR14	95% DESIGN REVIEW	RC
C	04NOV15	100% DESIGN	RC
D	15AUG18	FOR TENDER	RC

Developer
CITY OF PARKSVILLE

Location
HWY 19A AT SHELLY ROAD



Project
INTERSECTION UPGRADE SHELLY RD / HWY 19A

Title
LEGEND AND GENERAL NOTES

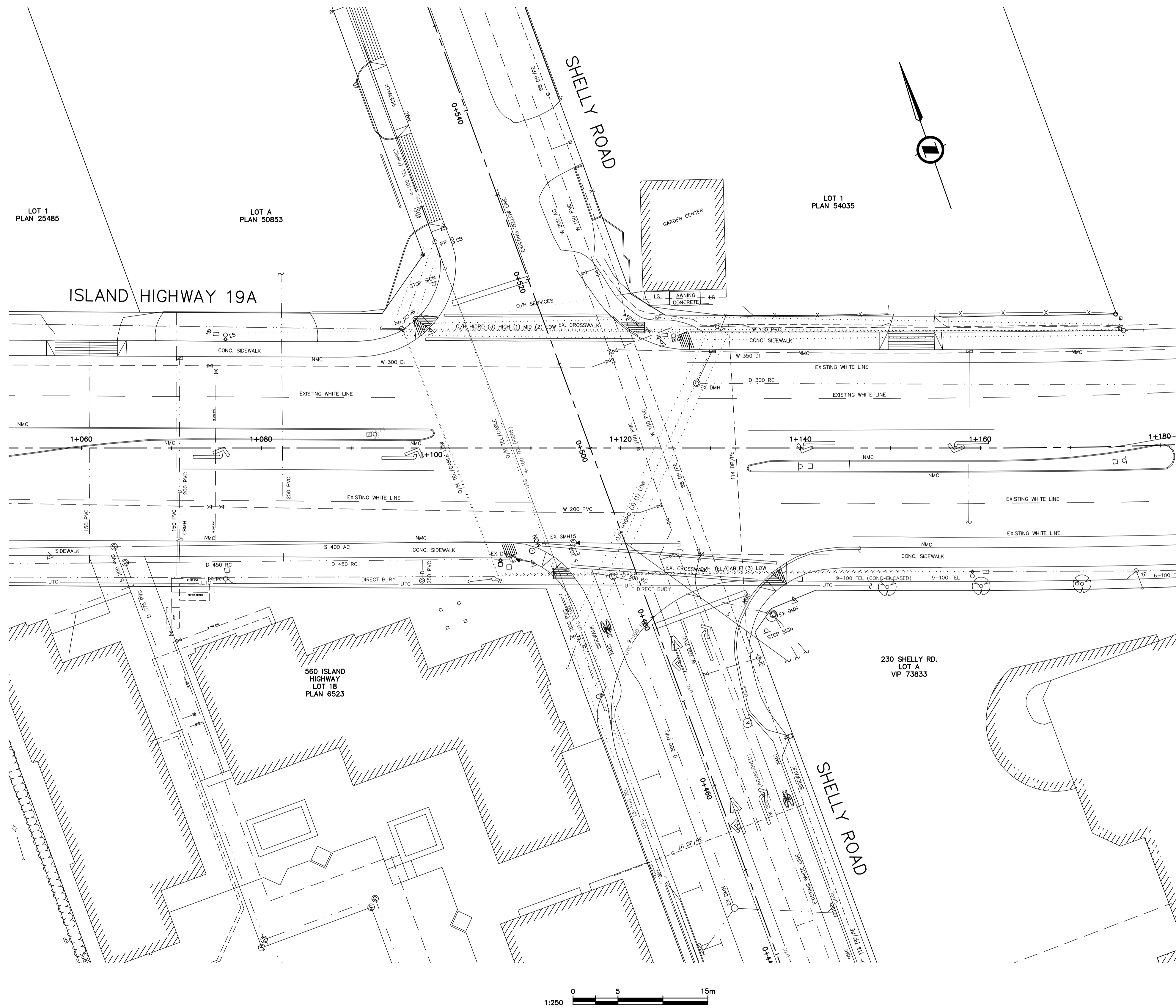
City of Parksville Project No.
5330-20-Shelly

City of Parksville Drawing No.

Scale
NTS
Horizontal Vertical

Consultant's Drawing No.
1233-02

Sheet No. 2/7 Rev. D



Prepared By

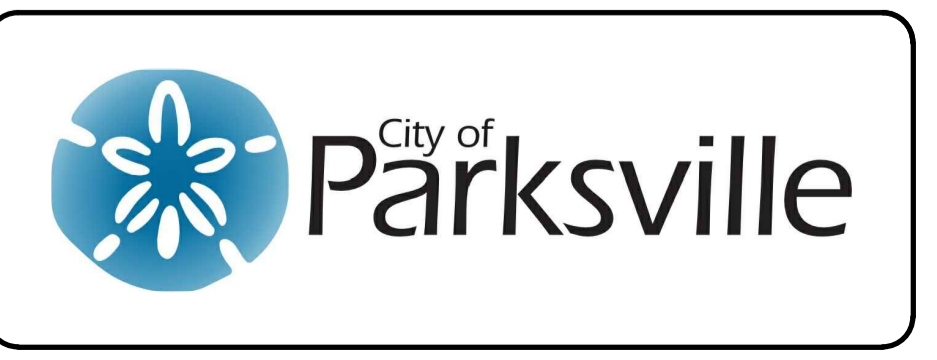
KOERS & ASSOCIATES ENGINEERING LTD.
Consulting Engineers

Design by	RC	JUNE 2013	Date
Drawn by	RC	JUNE 2013	Date
Checked by	RH	JUNE 2013	Date
Approved by			Date

No	Date	Revisions	By
A	19JUNE13	70% DESIGN REVIEW	RC
B	14APR14	95% DESIGN REVIEW	RC
C	04NOV15	100% DESIGN	RC
D	15AUG18	FOR TENDER	RC

Developer
CITY OF PARKSVILLE

Location
HWY 19A AT SHELLY ROAD



Project
INTERSECTION UPGRADE SHELLY RD / HWY 19A

Title
EXISTING CONDITIONS

City of Parksville Project No.
5330-20-Shelly

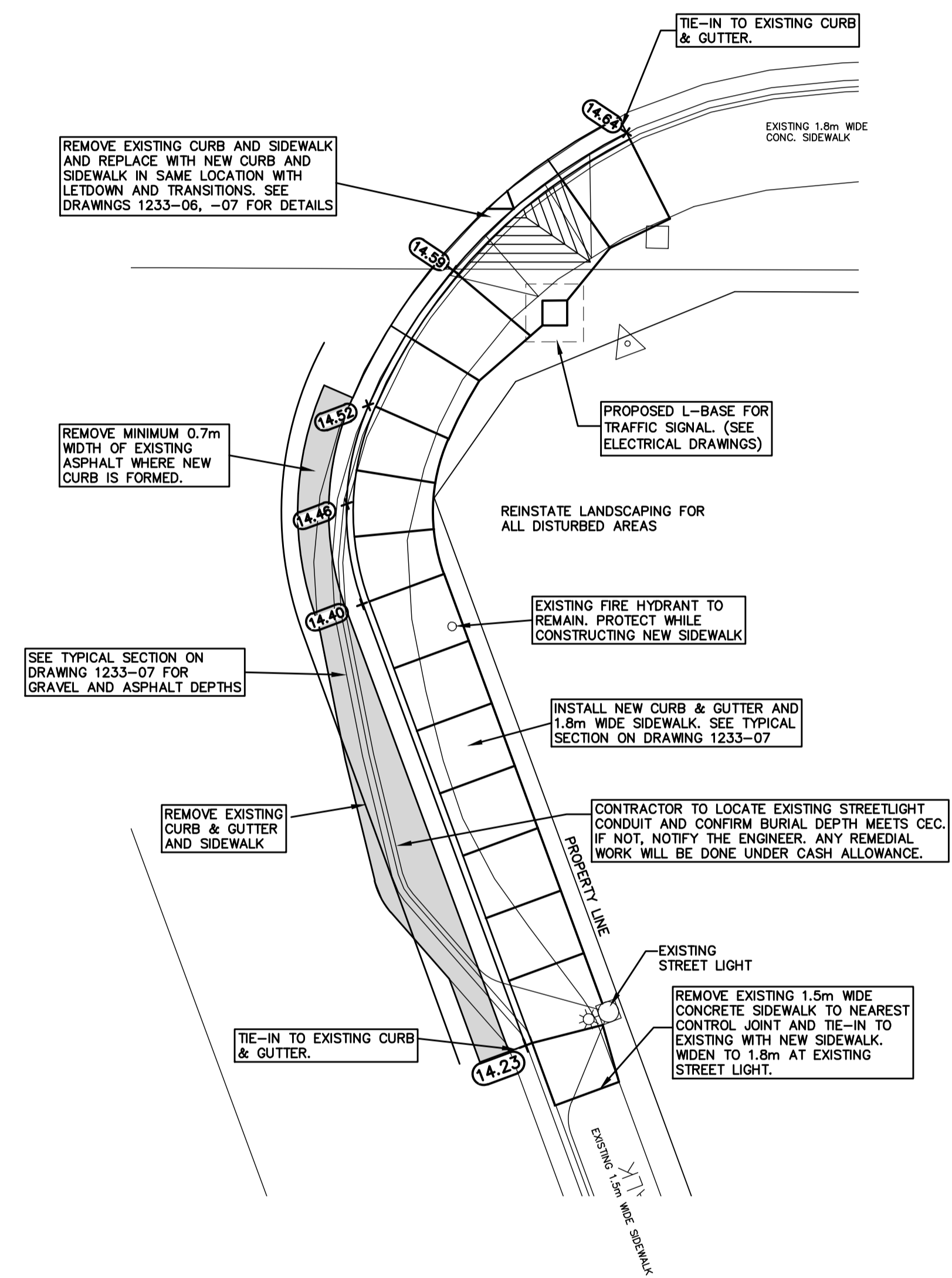
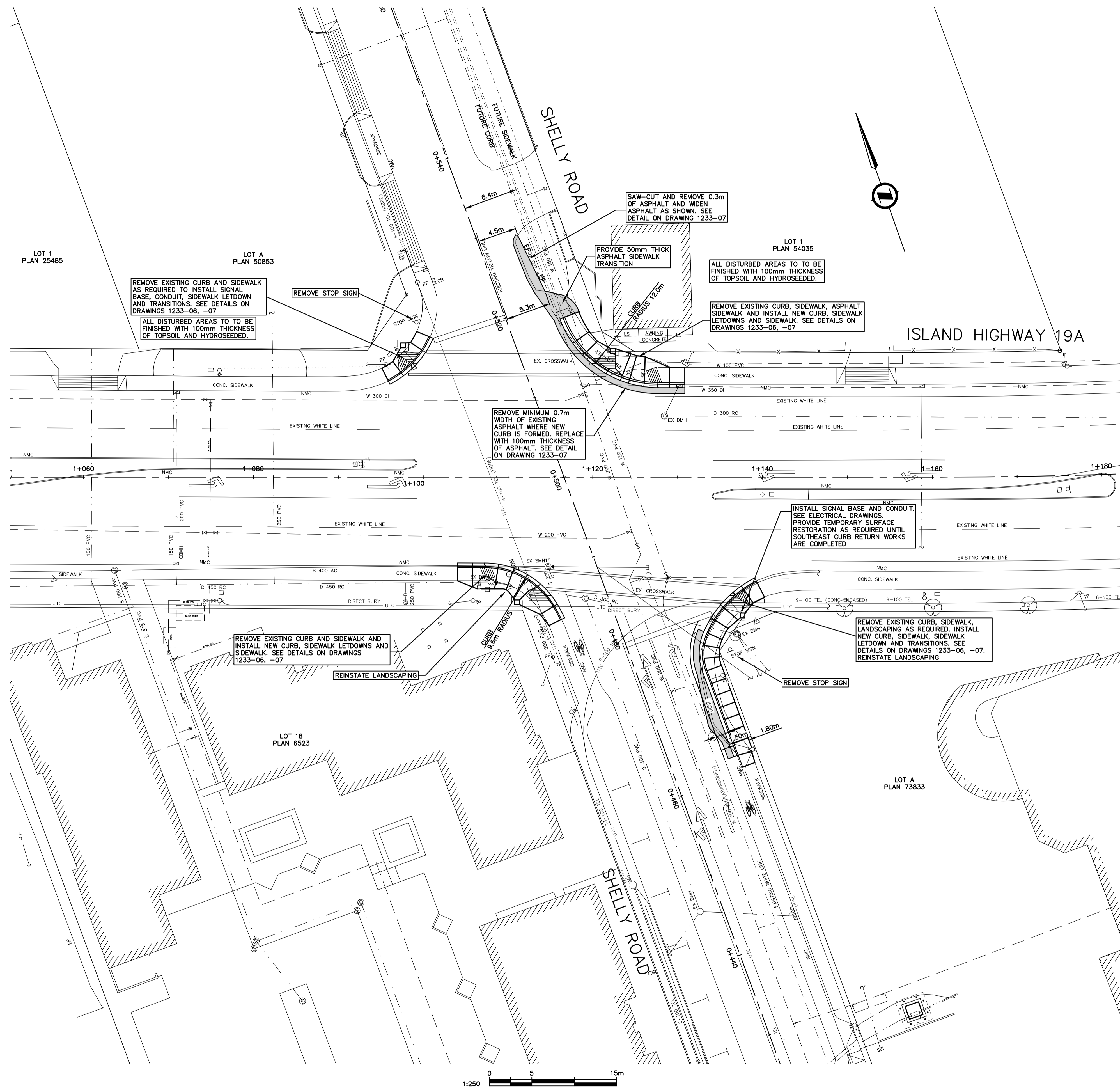
City of Parksville Drawing No.

Scale
1:250
Horizontal

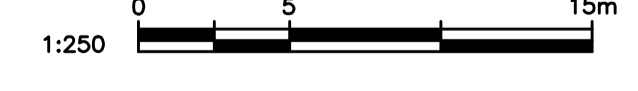
Consultant's Drawing No.
1233-03

Sheet No.
3/7

Rev.
D



SE CURB GRADES AND DETAILS
SCALE 1:100



Prepared By

Design by	Date
RC	JUNE 2013
Drawn by	Date
RC	JUNE 2013
Checked by	Date
RH	JUNE 2013
Approved by	Date

No	Date	Revisions	By
A	19JUNE13	70% DESIGN REVIEW	RC
B	14APR14	95% DESIGN REVIEW	RC
C	16OCT15	100% DESIGN	RC
D	15AUG18	FOR TENDER	RC

Developer
CITY OF PARKSVILLE

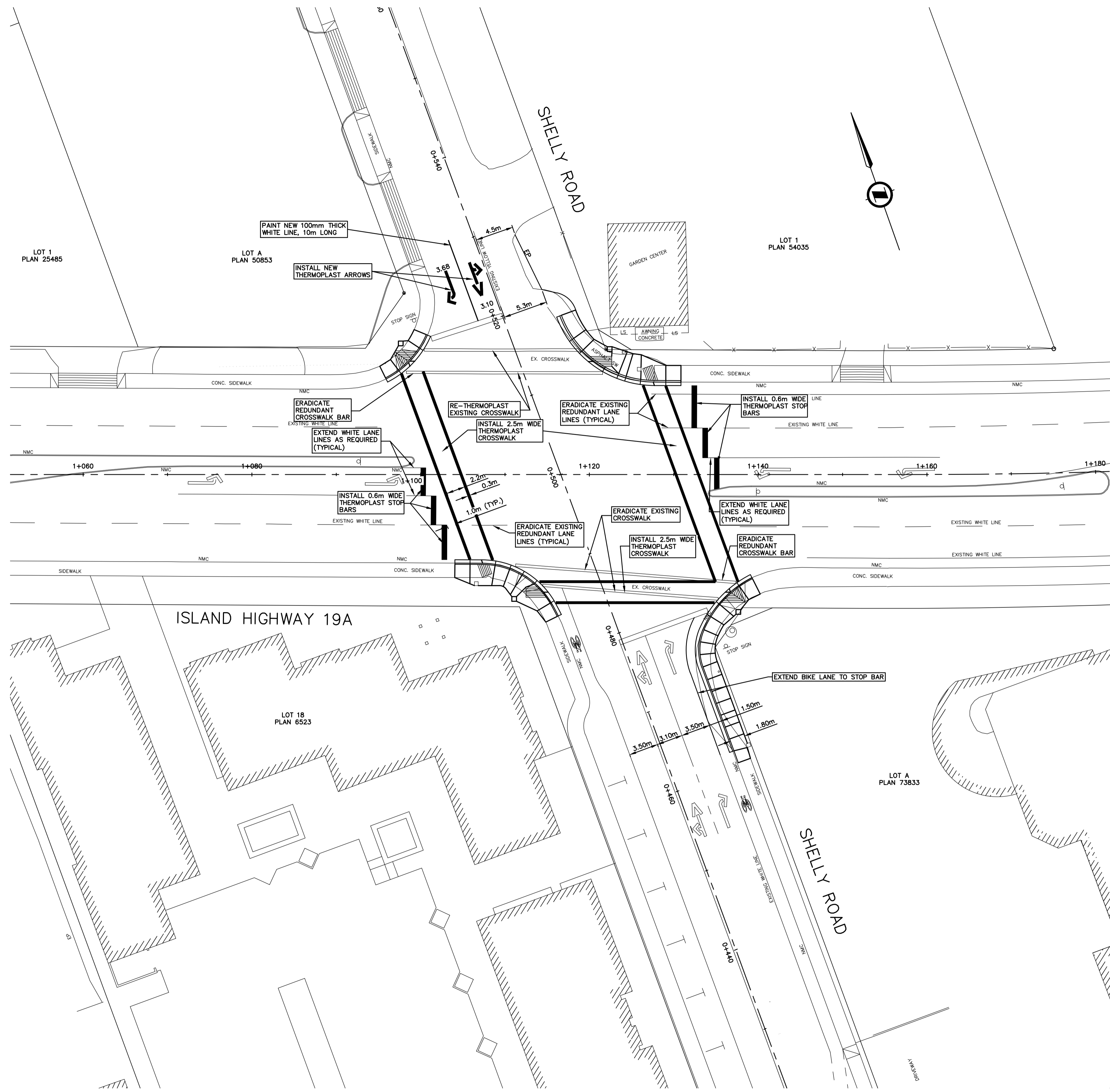
Location
HWY 19A AT SHELLY ROAD



Project
INTERSECTION UPGRADE SHELLY RD / HWY 19A

Title
CIVIL WORKS

City of Parksville Project No. 5330-20-Shelly	Scale 1:250 Horizontal
City of Parksville Drawing No.	Consultant's Drawing No. 1233-04
Sheet No. 4/7	Rev. D



Prepared By

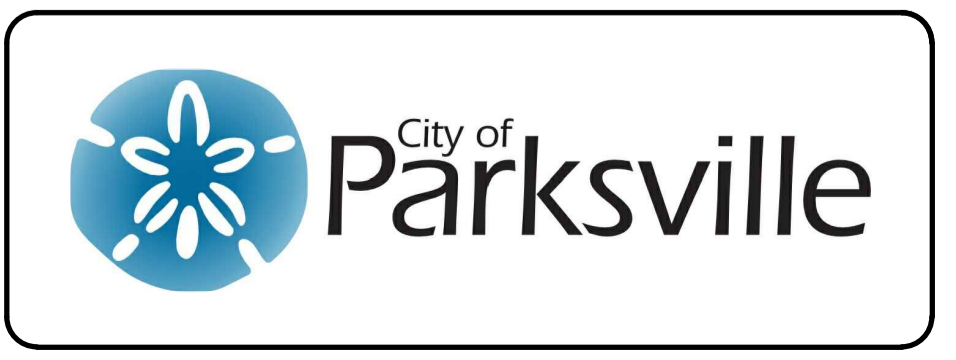
KOERS & ASSOCIATES ENGINEERING LTD.
Consulting Engineers

Design by	Date
RC	JUNE 2013
Drawn by	Date
RC	JUNE 2013
Checked by	Date
RH	JUNE 2013
Approved by	Date

No	Date	Revisions	By
A	19JUNE13	70% DESIGN REVIEW	RC
B	14APR14	95% DESIGN REVIEW	RC
C	04NOV15	100% DESIGN	RC
D	15AUG18	FOR TENDER	RC

Developer
CITY OF PARKSVILLE

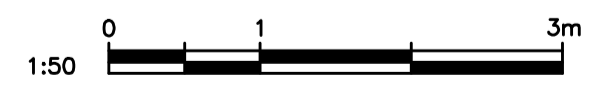
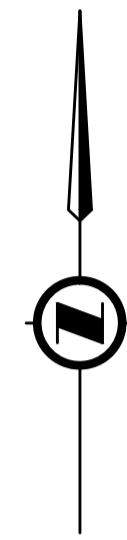
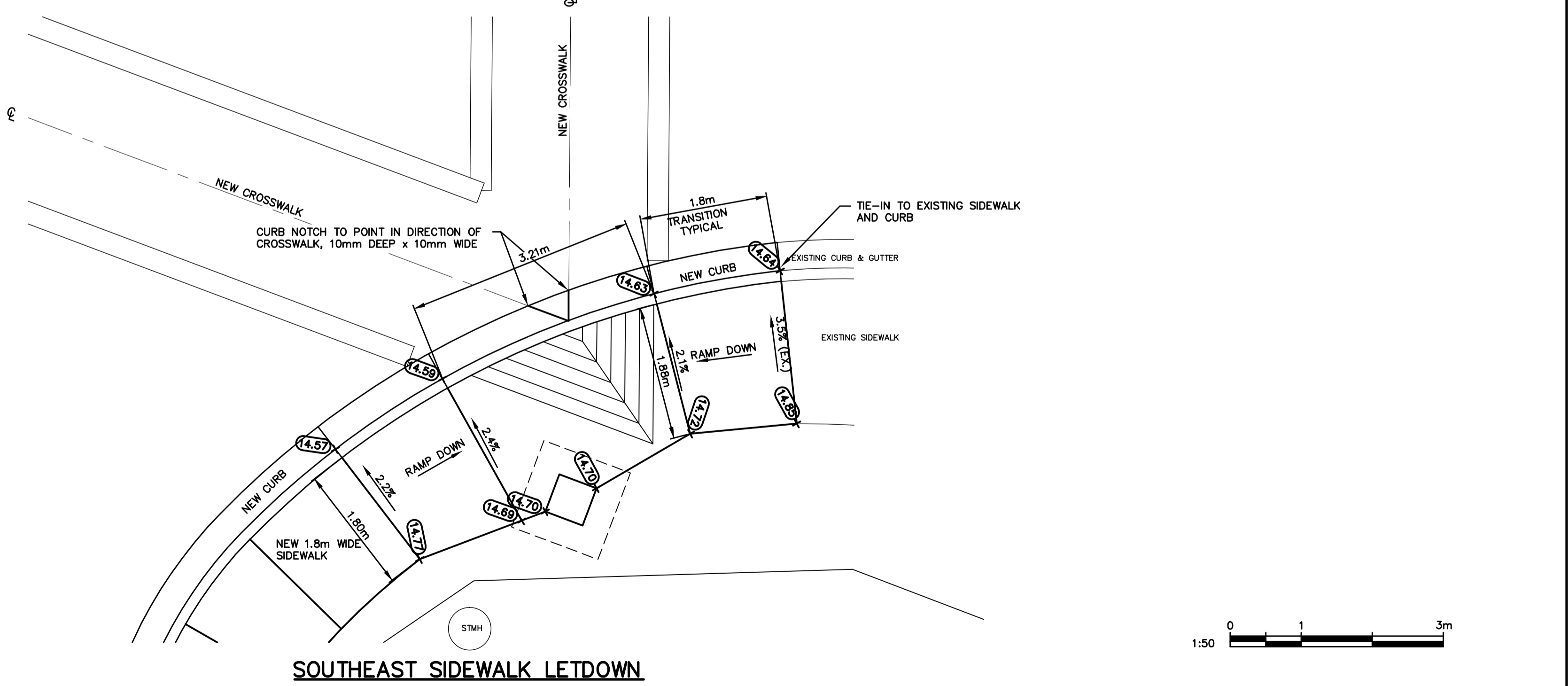
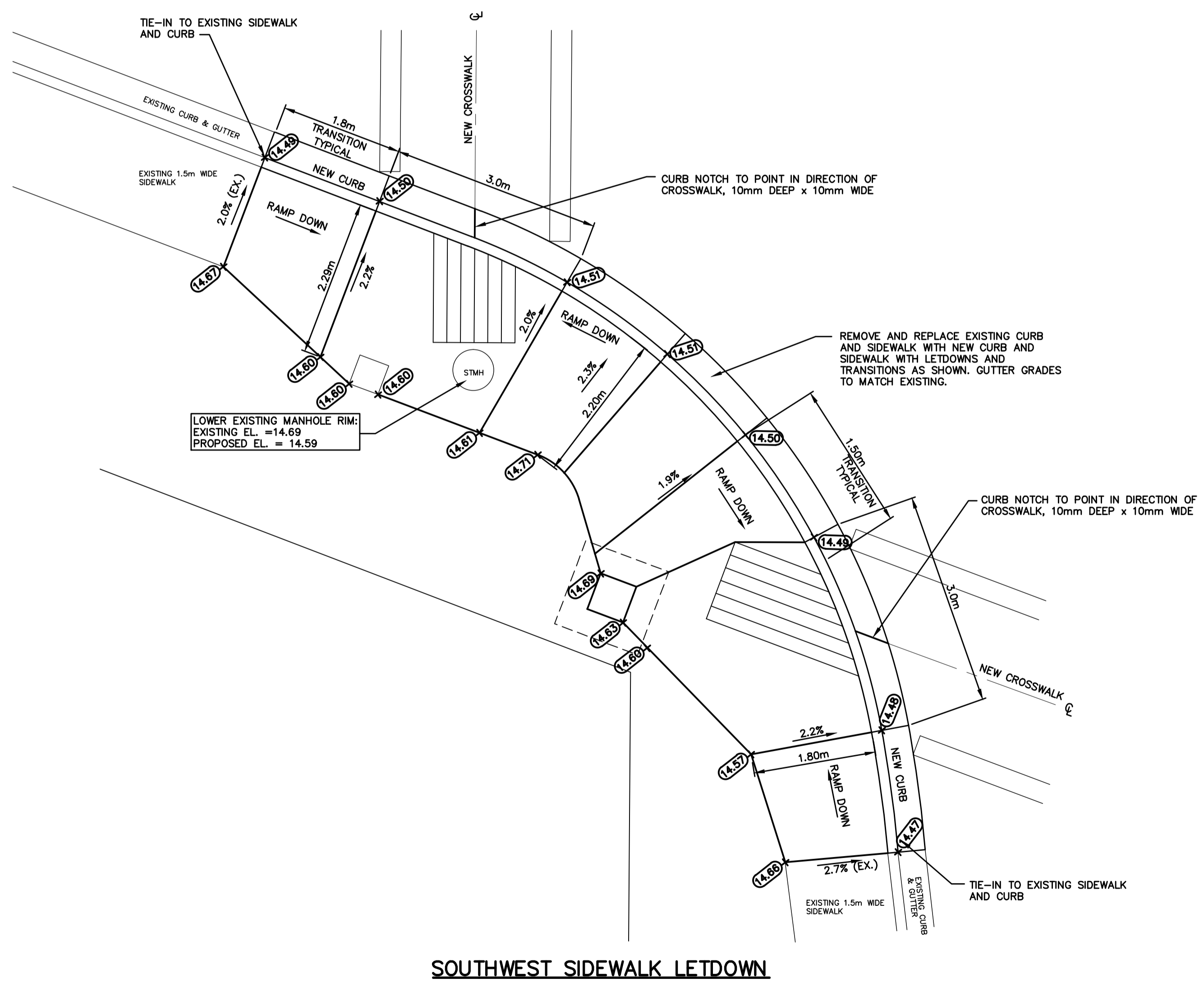
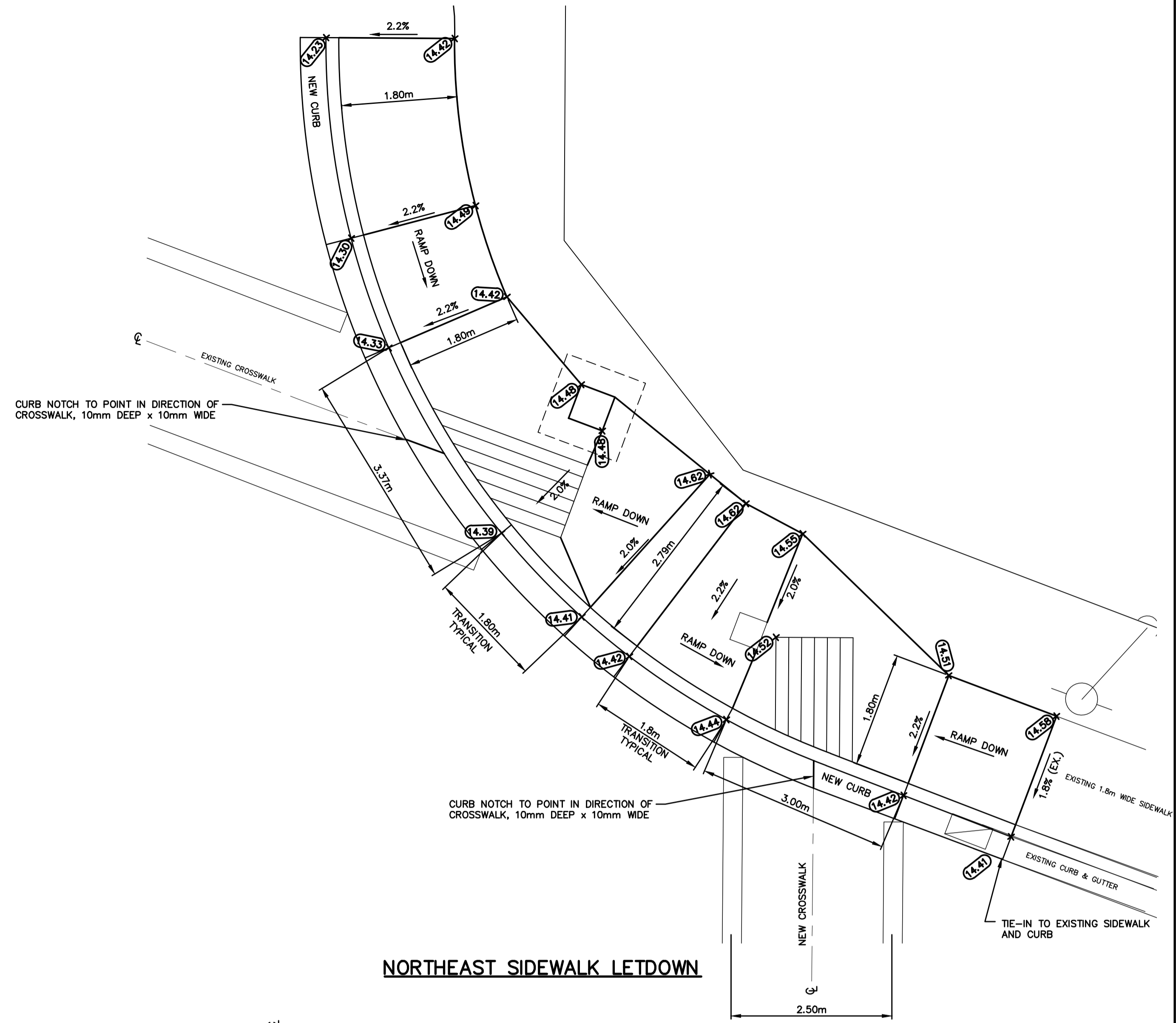
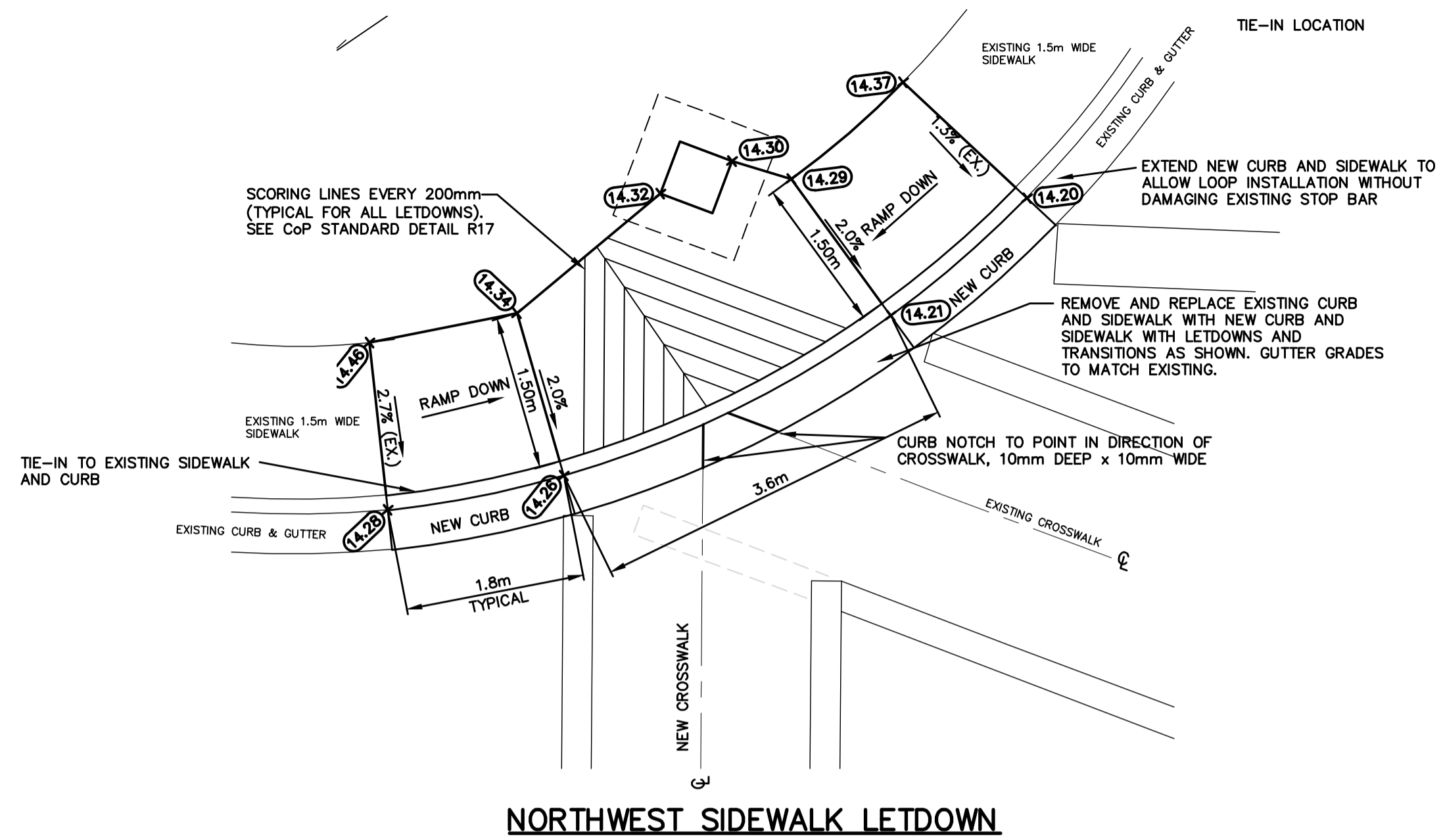
Location
HWY 19A AT SHELLY ROAD



Project
INTERSECTION UPGRADE SHELLY RD / HWY 19A

Title
LINE PAINTING

City of Parksville Project No. 5330-20-Shelly	Scale 1:250 Horizontal
City of Parksville Drawing No.	Consultant's Drawing No. 1233-05
Sheet No. 5/7	Rev. D



Prepared By

KOERS & ASSOCIATES ENGINEERING LTD.
Consulting Engineers

Design by	Date
RC	JUNE 2013
Drawn by	Date
RC	JUNE 2013
Checked by	Date
RH	JUNE 2013
Approved by	Date

No	Date	Revisions	By
A	19JUNE13	70% DESIGN REVIEW	RC
B	14APR14	95% DESIGN REVIEW	RC
C	04NOV16	100% DESIGN	RC
D	15AUG18	FOR TENDER	RC

Developer

CITY OF PARKSVILLE

Location

HWY 19A AT SHELLY ROAD

City of **Parksville**

Project

INTERSECTION UPGRADE SHELLY RD / HWY 19A

Title

SIDEWALK LETDOWN DETAILS

City of Parksville Project No.

5330-20-Shelly

Scale

1:50
Horizontal Vertical

City of Parksville Drawing No.

1233-06

Sheet No.

6/7

Rev.

D

