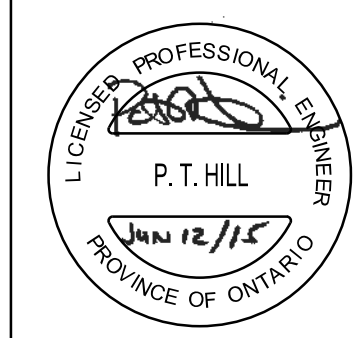
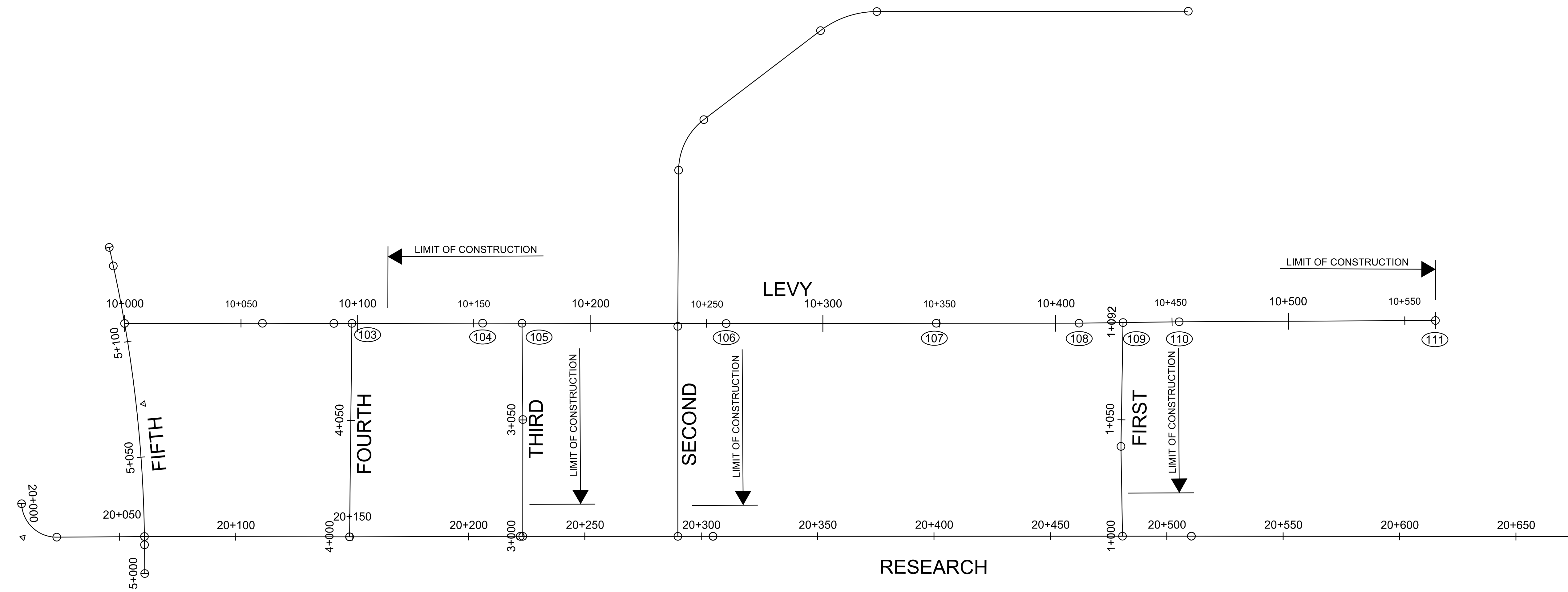
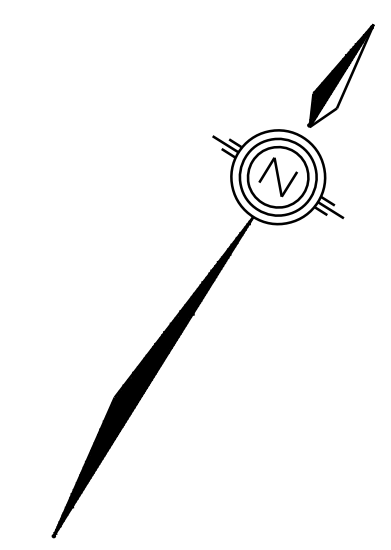
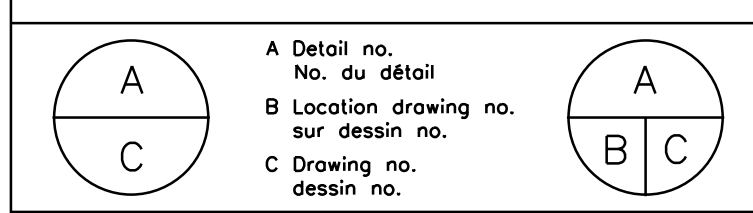


CONTROL ALIGNMENT (LEVY)				
DESCRIPTION	STATION	COORDINATES		
		NORTHING	EASTING	
103	PI	10+097.641	5019464.579	447769.107
104	PI	10+153.817	5019494.435	447816.692
105	PI	10+170.741	5019503.391	447831.052
106	PI	10+258.418	5019549.788	447905.447
107	PI	10+348.714	5019597.742	447981.958
108	PI	10+410.052	5019630.295	448033.944
109	PI	10+428.938	5019640.543	448049.808
110	PI	10+453.050	5019653.627	448070.062
111	PI	10+563.154	5019712.475	448163.119



No.	Description	By	Date (dd/mm/yy)
0	ISSUED FOR TENDER	PH	12/06/15

o Verify all dimensions and site conditions and be responsible for same
 o Vérifier toutes les dimensions et l'état des lieux et en assumer la responsabilité

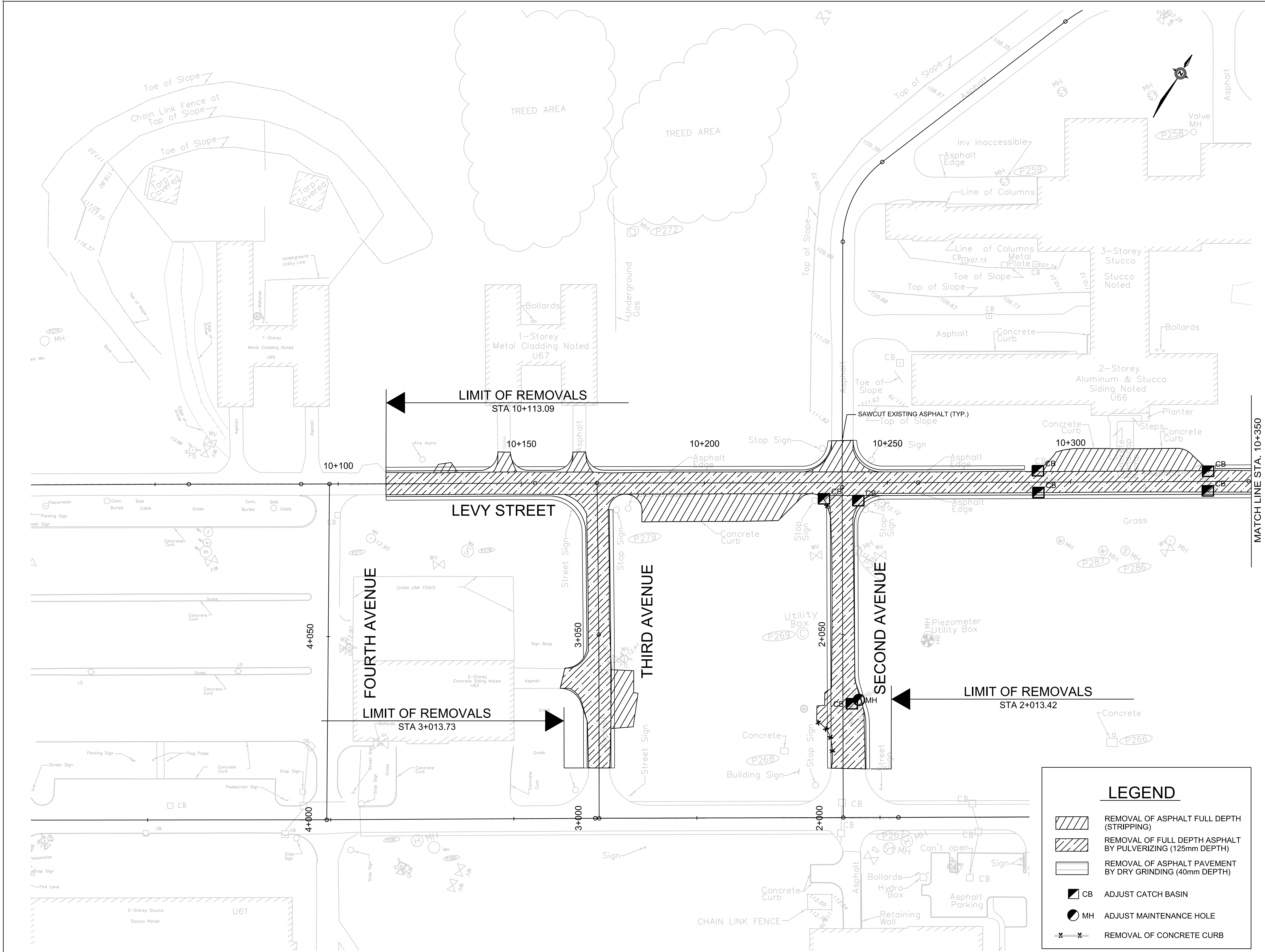


project **UPLANDS CAMPUS LEVY STREET REHABILITATION** projet

drawing **D-5058-ALI** dessin

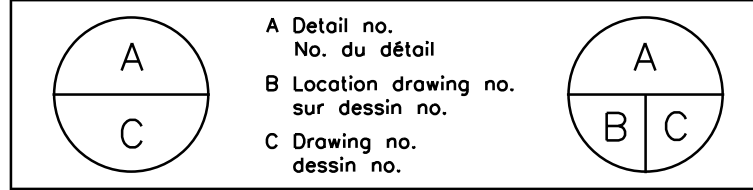
designed	JZ.	conçu	date	JUNE 2015	date
drawn	M.S.	dessiné	scale	1:500	échelle
checked	K.M.	vérifié	sheet	R1	of/de
approved	P.H.	approuvé	W.O.no.	A1-006954-01-01	D.T.no.
dwg.no.	D-5058-ALI		dessin no.		

GENERAL NOTES:
 1. REINSTATE ALL DISTURBED AREAS WITH 100mm TOPSOIL AND SEED AND MULCH.



No.	Description	By	Date (dd/mm/yy)
0	ISSUED FOR TENDER	PH	12/06/15

o Verify all dimensions and site conditions and be responsible for same
 o Vérifier toutes les dimensions et l'état des lieux et en assumer la responsabilité



project **UPLANDS CAMPUS LEVY STREET REHABILITATION** project

drawing **REMOVALS STA. 10+100 TO STA. 10+350** dessin

designed **JZ.** conçu **JUNE 2015** date

drawn **M.S.** dessiné **1:500** scale

checked **K.M.** vérifié **R2** sheet of/de **R15** feuille

approved **P.H.** approuvé **A1-006954-01-01** W.O.no. D.T.no.

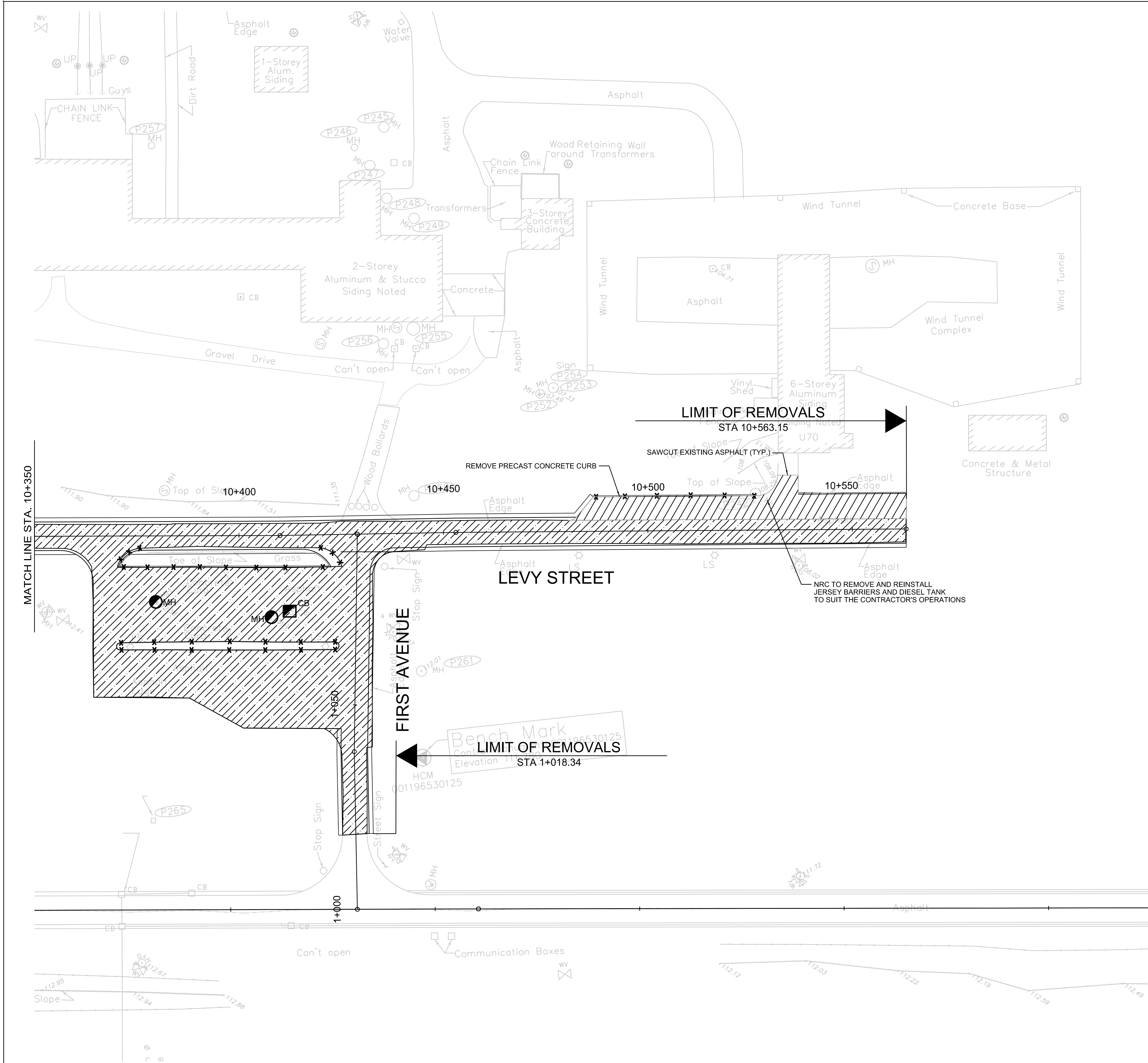
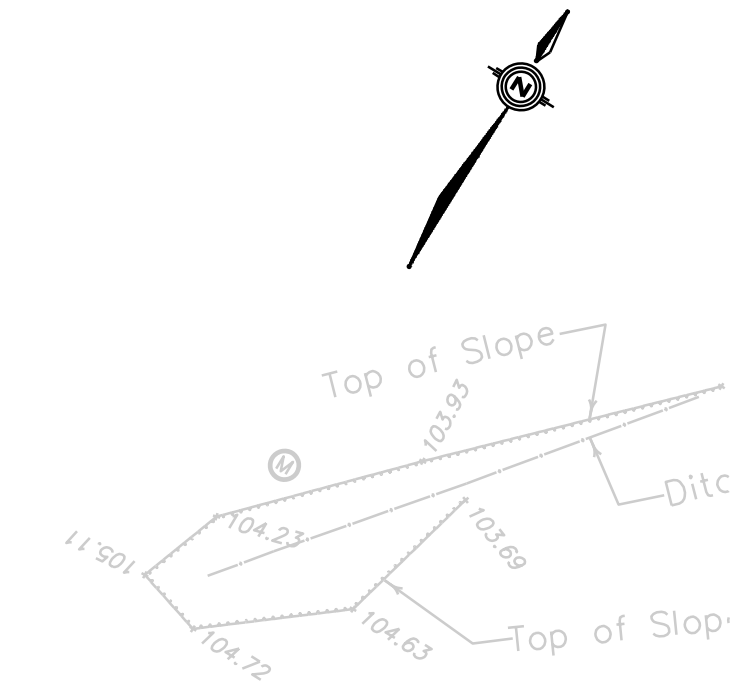
dwg.no. **D-5058-REM** dessin no.

D-5058-REM

LEGEND

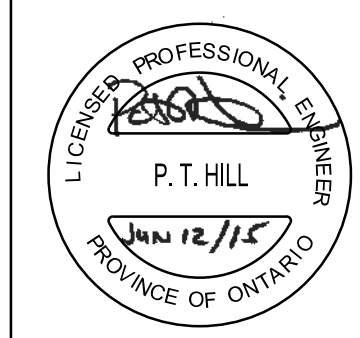
- REMOVAL OF ASPHALT FULL DEPTH (STRIPPING)
- REMOVAL OF FULL DEPTH ASPHALT BY PULVERIZING (125mm DEPTH)
- REMOVAL OF ASPHALT PAVEMENT BY DRY GRINDING (40mm DEPTH)
- CB ADJUST CATCH BASIN
- MH ADJUST MAINTENANCE HOLE
- REMOVAL OF CONCRETE CURB

GENERAL NOTES:
 1. REINSTATE ALL DISTURBED AREAS WITH 100mm TOPSOIL AND SEED AND MULCH.



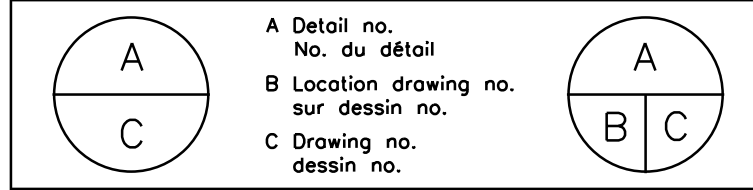
LEGEND

	REMOVAL OF ASPHALT FULL DEPTH (STRIPPING)
	REMOVAL OF FULL DEPTH ASPHALT BY PULVERIZING (125mm DEPTH)
	REMOVAL OF ASPHALT PAVEMENT BY DRY GRINDING (40mm DEPTH)
	CB ADJUST CATCH BASIN
	MH ADJUST MAINTENANCE HOLE
	REMOVAL OF CONCRETE CURB



No.	Description	By	Date (dd/mm/yy)
0	ISSUED FOR TENDER	PH	12/06/15

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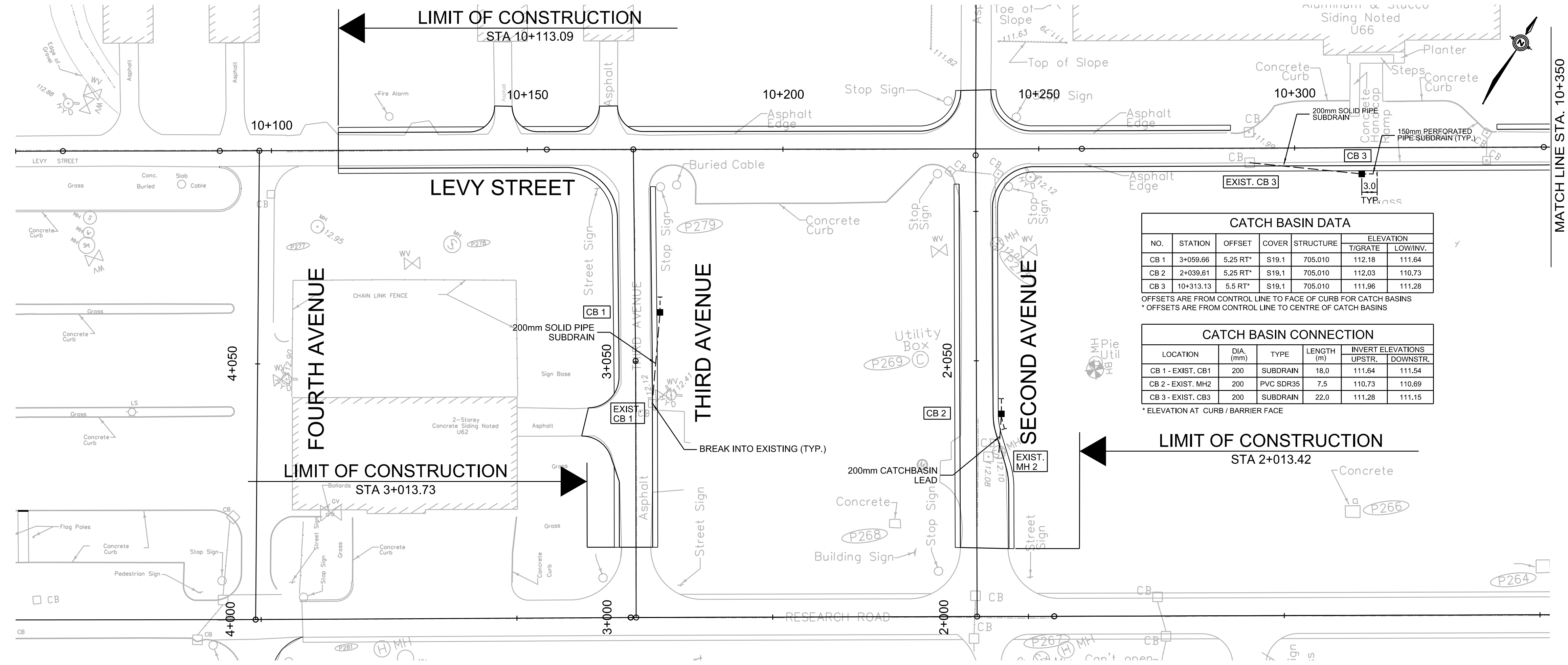
project
**UPLANDS CAMPUS
 LEVY STREET REHABILITATION**
 project

drawing
**REMOVALS
 STA. 10+300 TO STA. 10+500**
 dessin

designed	JZ.	conçu	date	JUNE 2015	date
drawn	M.S.	dessiné	scale	1:500	échelle
checked	K.M.	vérifié	sheet	R3	of/de
approved	P.H.	approuvé	W.O.no.	A1-006954-01-01	D.T.no.
dwg.no.	D-5058-REM				

dwg.no. **D-5058-REM** dessin no.

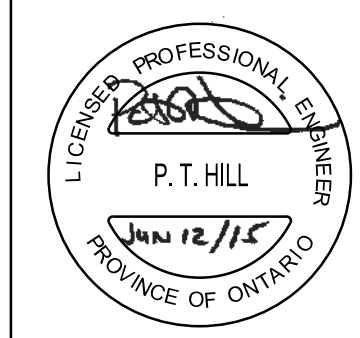
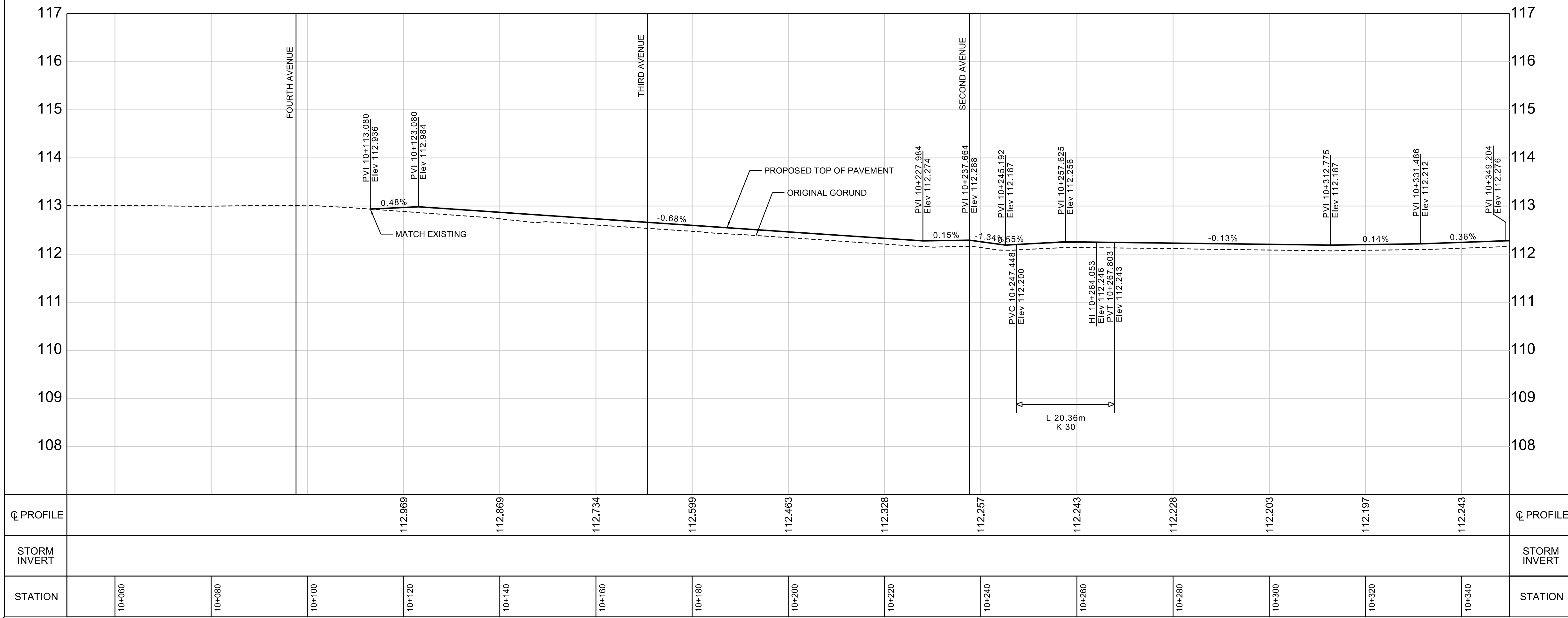
GENERAL NOTES:
 1. REINSTATE ALL DISTURBED AREAS WITH 100mm TOPSOIL AND SEED AND MULCH.



NO.	STATION	OFFSET	COVER	STRUCTURE	ELEVATION	
					T/GRATE	LOW/INV.
CB 1	3+059.66	5.25 RT*	S19.1	705.010	112.18	111.64
CB 2	2+039.61	5.25 RT*	S19.1	705.010	112.03	110.73
CB 3	10+313.13	5.5 RT*	S19.1	705.010	111.96	111.28

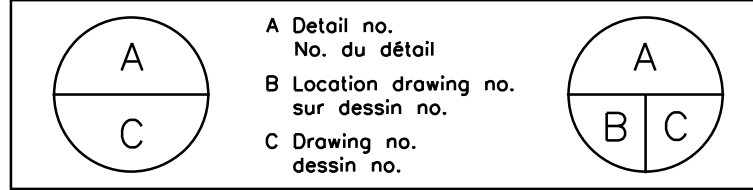
LOCATION	DIA. (mm)	TYPE	LENGTH (m)	INVERT ELEVATIONS	
				UPSTR.	DOWNSTR.
CB 1 - EXIST. CB1	200	SUBDRAIN	18.0	111.64	111.54
CB 2 - EXIST. MH2	200	PVC SDR35	7.5	110.73	110.69
CB 3 - EXIST. CB3	200	SUBDRAIN	22.0	111.28	111.15

* OFFSETS ARE FROM CONTROL LINE TO FACE OF CURB FOR CATCH BASINS
 * OFFSETS ARE FROM CONTROL LINE TO CENTRE OF CATCH BASINS
 * ELEVATION AT CURB / BARRIER FACE



No.	Description	By	Date (dd/mm/yy)
0	ISSUED FOR TENDER	PH	12/06/15

o Verify all dimensions and site conditions and be responsible for same
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project
**UPLANDS CAMPUS
 LEVY STREET REHABILITATION**

drawing
**PLAN AND PROFILE
 STA. 10+100 TO STA. 10+300**

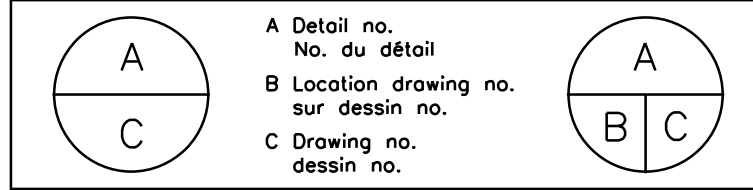
designed	JZ.	conçu	date	JUNE 2015	date	
drawn	M.S.	dessiné	scale	1:500	échelle	
checked	K.M.	vérifié	sheet	R4	of/de	
approved	P.H.	approuvé	W.O.no.	A1-006954-01-01	D.T.no.	
dwg.no.	D-5058-PPL					dessin no.

GENERAL NOTES:
 1. REINSTATE ALL DISTURBED AREAS WITH 100mm TOPSOIL AND SEED AND MULCH.



No.	Description	By	Date (dd/mm/yy)
0	ISSUED FOR TENDER	PH	12/06/15

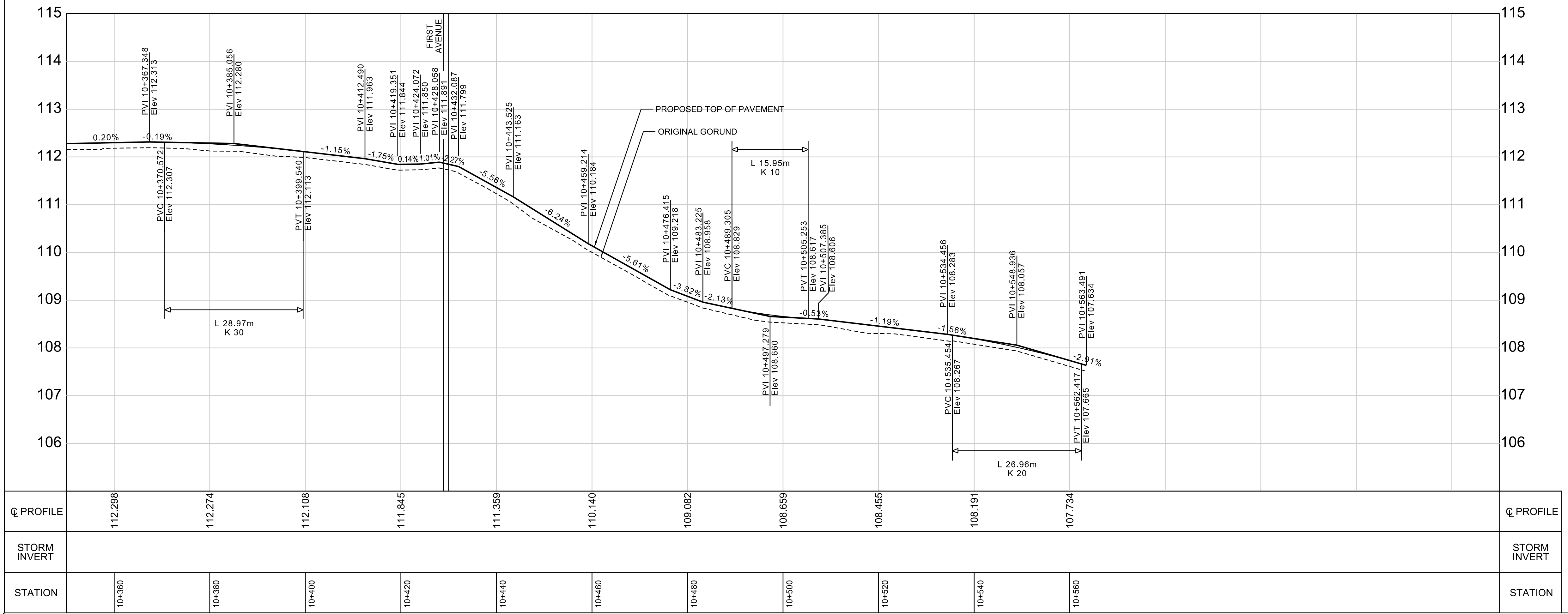
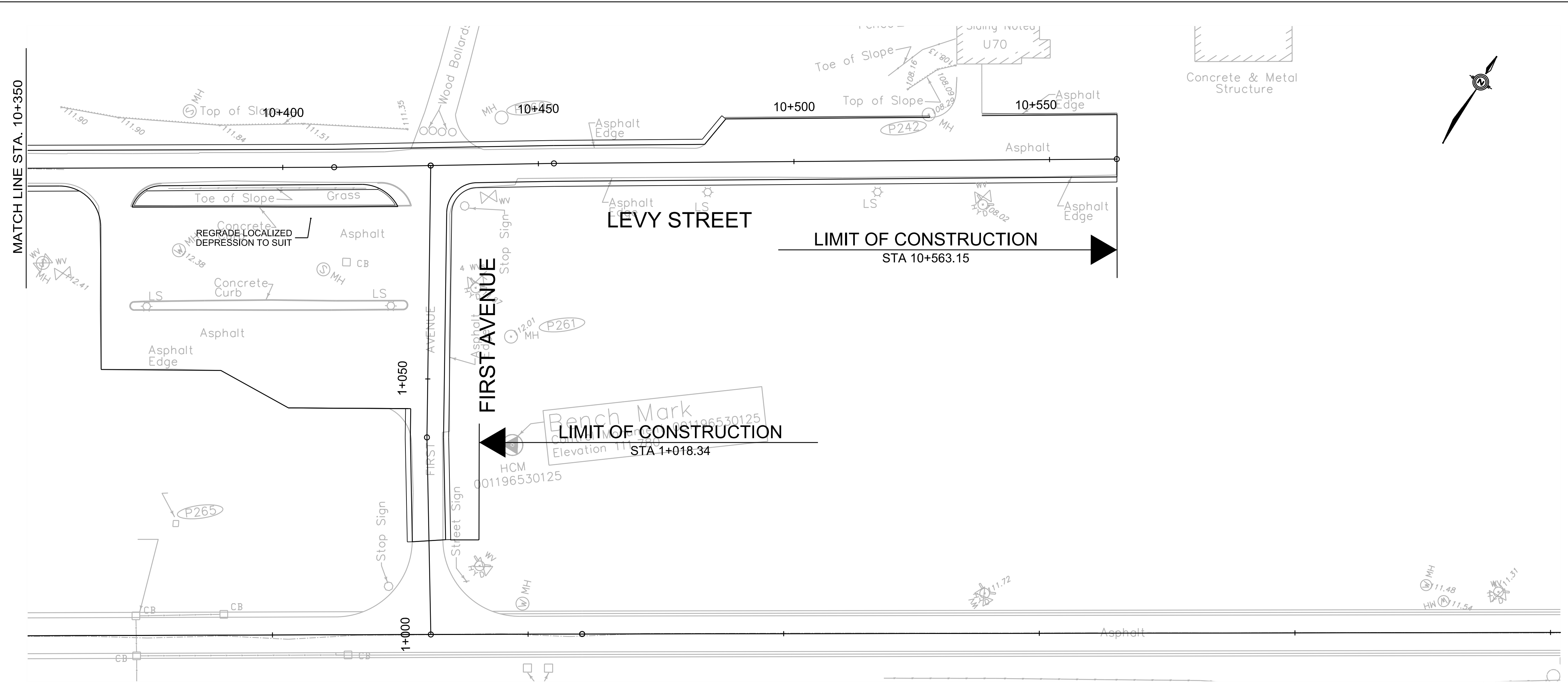
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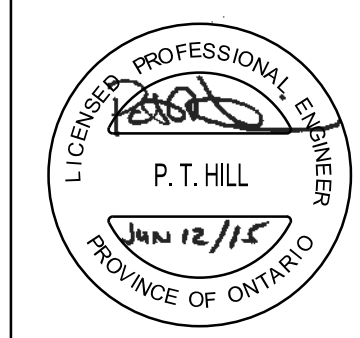
project **UPLANDS CAMPUS LEVY STREET REHABILITATION** projet

drawing **PLAN AND PROFILE STA. 10+350 TO STA. 10+550** dessin

designed JZ.	conçu JUNE 2015	date	date
drawn M.S.	dessiné scale 1:500	scale	échelle
checked K.M.	vérifié sheet R5 of/de R15	sheet	feuille
approved P.H.	approuvé W.O.no. A1-006954-01-01	W.O.no.	D.T.no.
dwg.no. D-5058-PPL	dessin no.		

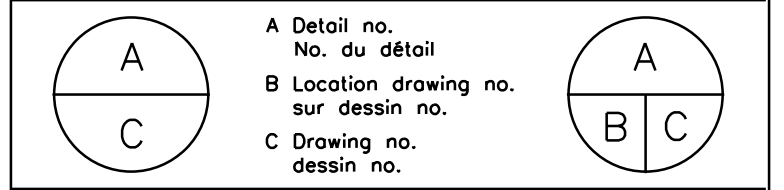


GENERAL NOTES:
 1. REINSTATE ALL DISTURBED AREAS WITH 100mm TOPSOIL AND SEED AND MULCH.



No.	Description	By	Date (dd/mm/yy)
0	ISSUED FOR TENDER	PH	12/06/15

o Verify all dimensions and site conditions and be responsible for same
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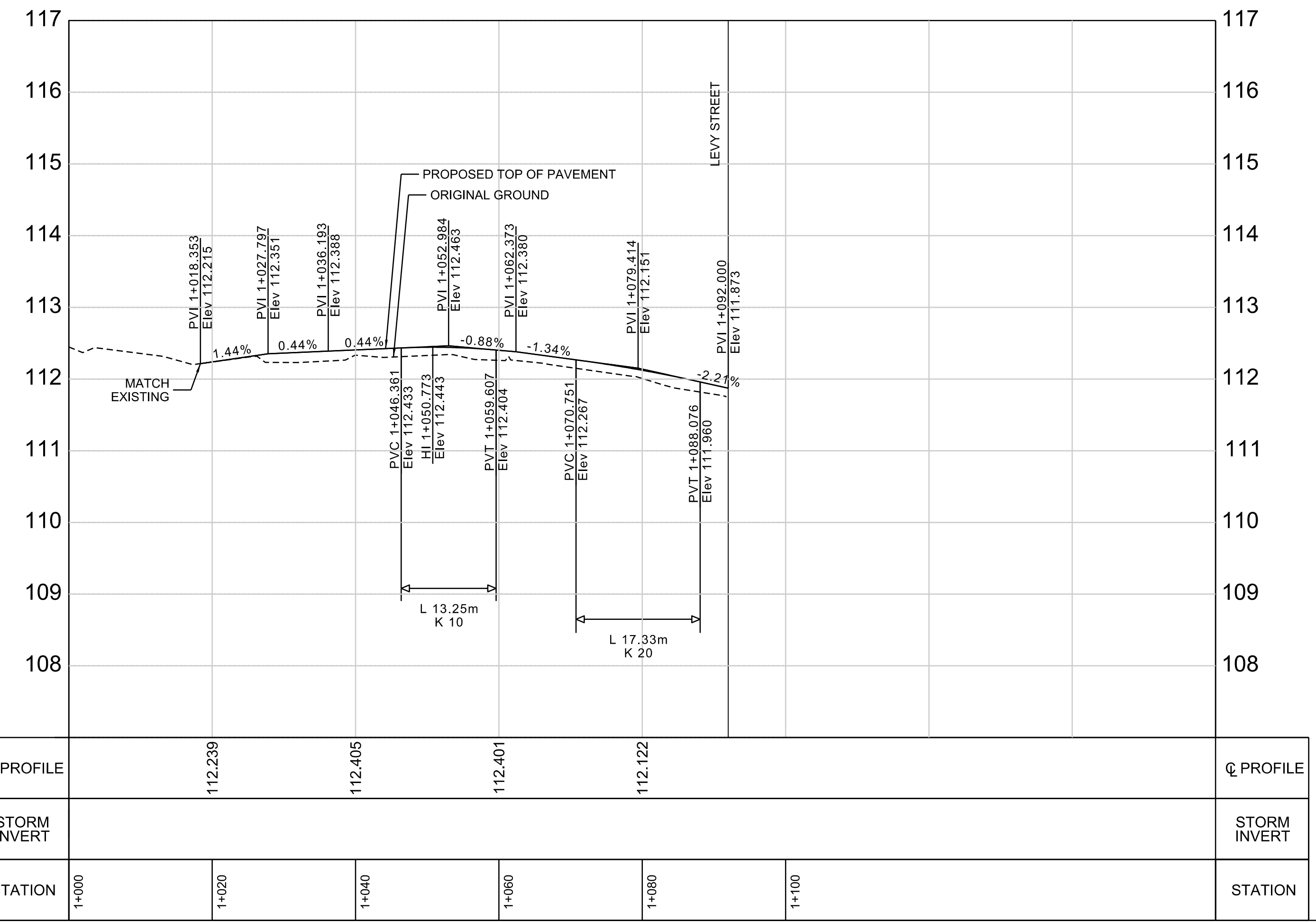


project **UPLANDS CAMPUS LEVY STREET REHABILITATION** projet

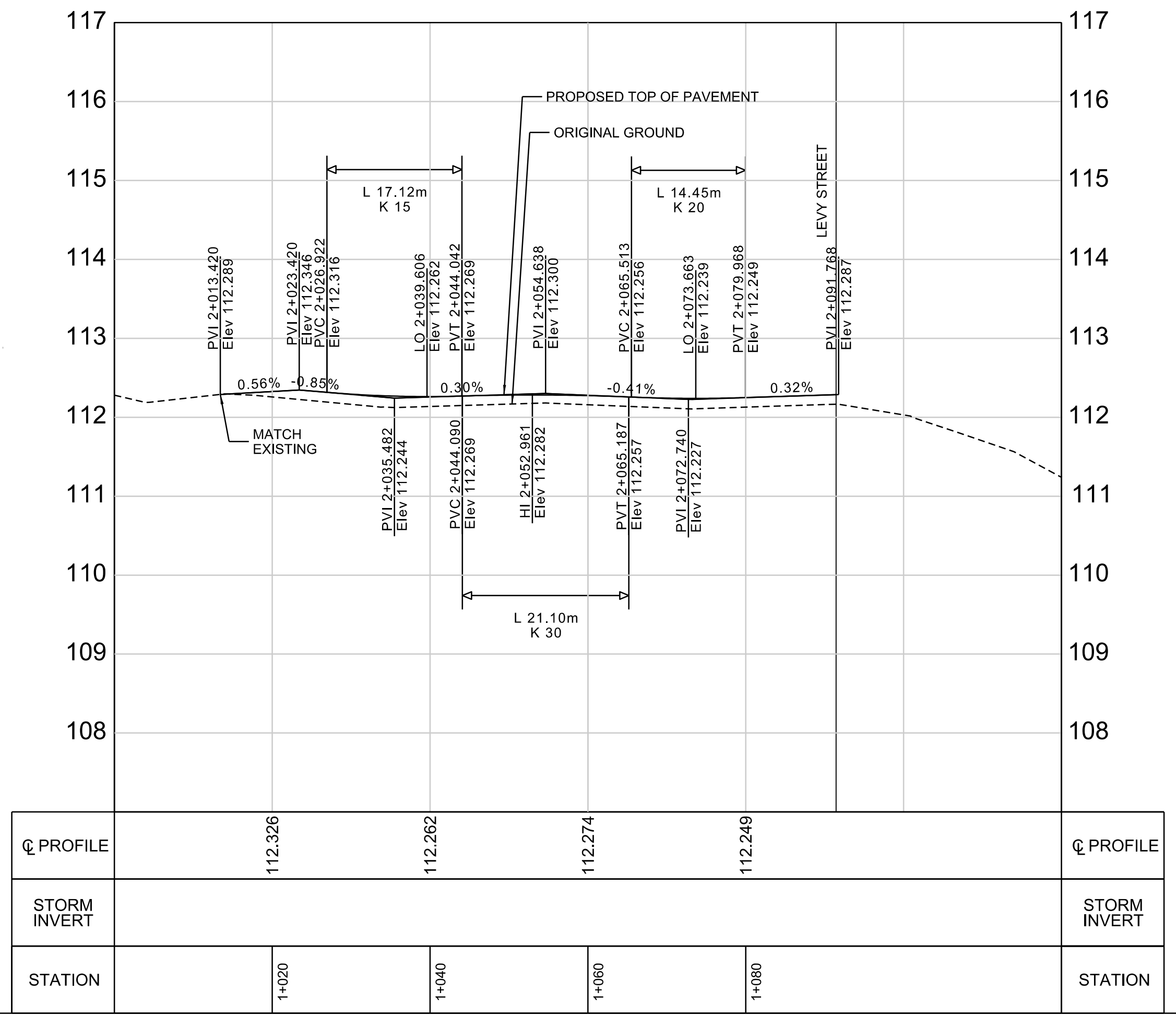
drawing **PROFILE FIRST AND SECOND AVENUE** dessin

designed JZ.	conçu JUNE 2015	date	date
drawn M.S.	dessiné	scale 1:500	échelle
checked K.M.	vérifié	sheet R6	of/de R15 feuille
approved P.H.	approuvé	W.O.no. A1-006954-01-01	D.T.no.
dwg.no. D-5058-PPL	dessin no.		

FIRST AVENUE



SECOND AVENUE



86.39 EXIST.

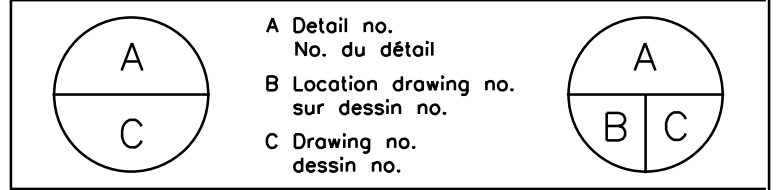
D-5058-PPL

GENERAL NOTES:
 1. REINSTATE ALL DISTURBED AREAS WITH 100mm TOPSOIL AND SEED AND MULCH.



No.	Description	By	Date (dd/mm/yy)
0	ISSUED FOR TENDER	PH	12/06/15

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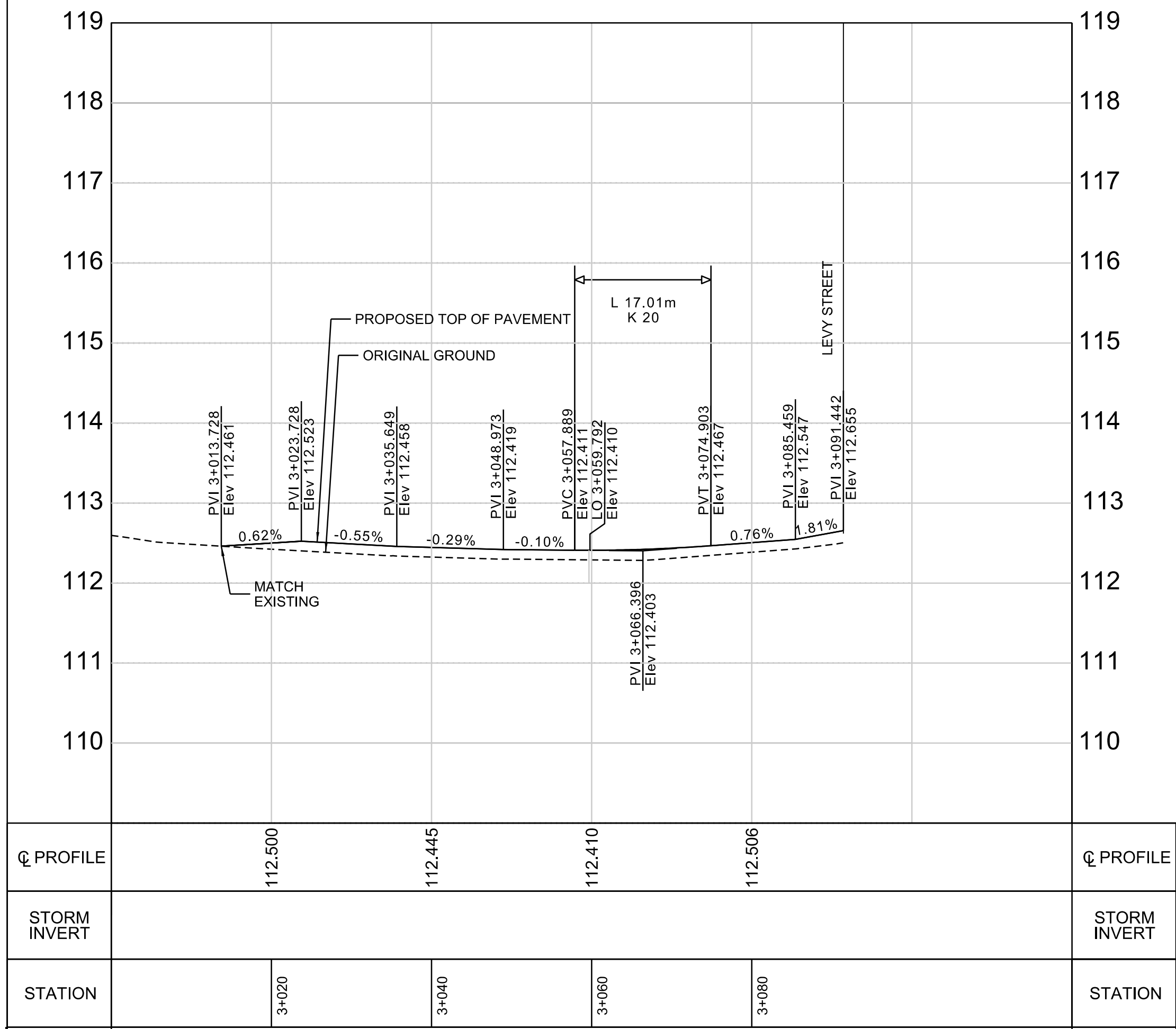


project: **UPLANDS CAMPUS LEVY STREET REHABILITATION**

drawing: **PROFILE THIRD AVENUE**

designed	JZ.	conçu	JUNE 2015	date	date	D-5058-PPL dessin no.
drawn	M.S.	dessiné	1:500	scale	échelle	
checked	K.M.	vérifié	R7	sheet of/de	feuille R15	
approved	P.H.	approuvé	A1-006954-01-01	W.O.no.	D.T.no.	
dwg.no.	D-5058-PPL		dessin no.			

THIRD AVENUE

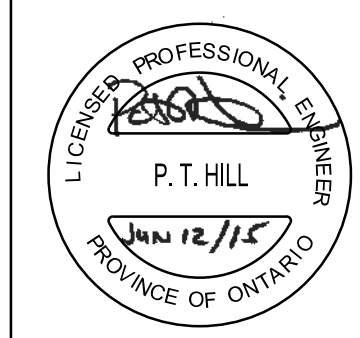
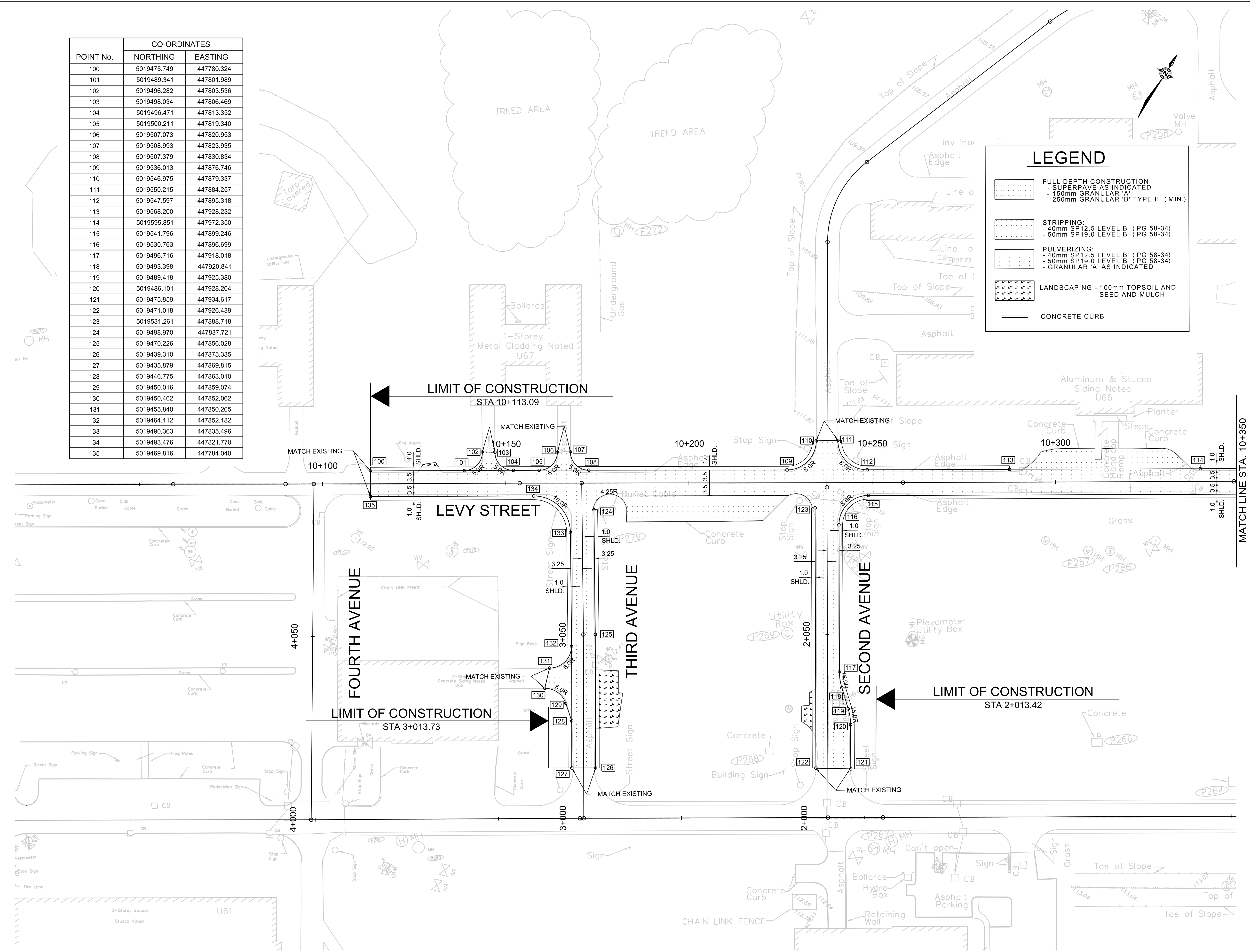


GENERAL NOTES:
 1. REINSTATE ALL DISTURBED AREAS WITH 100mm TOPSOIL AND SEED AND MULCH.

POINT No.	CO-ORDINATES	
	NORTHING	EASTING
100	5019475.749	447780.324
101	5019489.341	447801.989
102	5019496.282	447803.536
103	5019498.034	447806.469
104	5019496.471	447813.352
105	5019500.211	447819.340
106	5019507.073	447820.953
107	5019508.993	447823.935
108	5019507.379	447830.834
109	5019536.013	447876.746
110	5019546.975	447879.337
111	5019550.215	447884.257
112	5019547.597	447895.318
113	5019568.200	447928.232
114	5019595.851	447972.350
115	5019541.796	447899.246
116	5019530.763	447896.699
117	5019496.716	447918.018
118	5019493.398	447920.841
119	5019489.418	447925.380
120	5019486.101	447928.204
121	5019475.859	447934.617
122	5019471.018	447926.439
123	5019531.261	447888.718
124	5019498.970	447837.721
125	5019470.226	447856.028
126	5019439.310	447875.335
127	5019435.879	447869.815
128	5019446.775	447863.010
129	5019450.016	447859.074
130	5019450.462	447852.062
131	5019455.840	447850.265
132	5019464.112	447852.182
133	5019490.363	447835.496
134	5019493.476	447821.770
135	5019469.816	447784.040

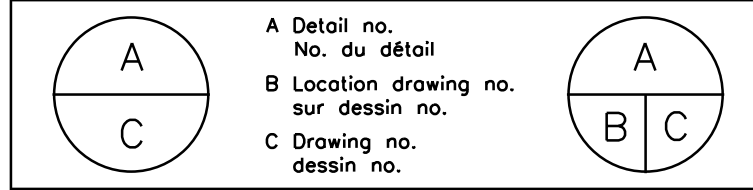
LEGEND

- FULL DEPTH CONSTRUCTION SUPERPAVE AS INDICATED
 - 150mm GRANULAR 'A'
 - 250mm GRANULAR 'B' TYPE II (MIN.)
- STRIPPING:
 - 40mm SP12.5 LEVEL B (PG 58-34)
 - 50mm SP19.0 LEVEL B (PG 58-34)
- PULVERIZING:
 - 40mm SP12.5 LEVEL B (PG 58-34)
 - 50mm SP19.0 LEVEL B (PG 58-34)
 - GRANULAR 'A' AS INDICATED
- LANDSCAPING - 100mm TOPSOIL AND SEED AND MULCH
- CONCRETE CURB



No.	Description	By	Date (dd/mm/yy)
0	ISSUED FOR TENDER	PH	12/06/15

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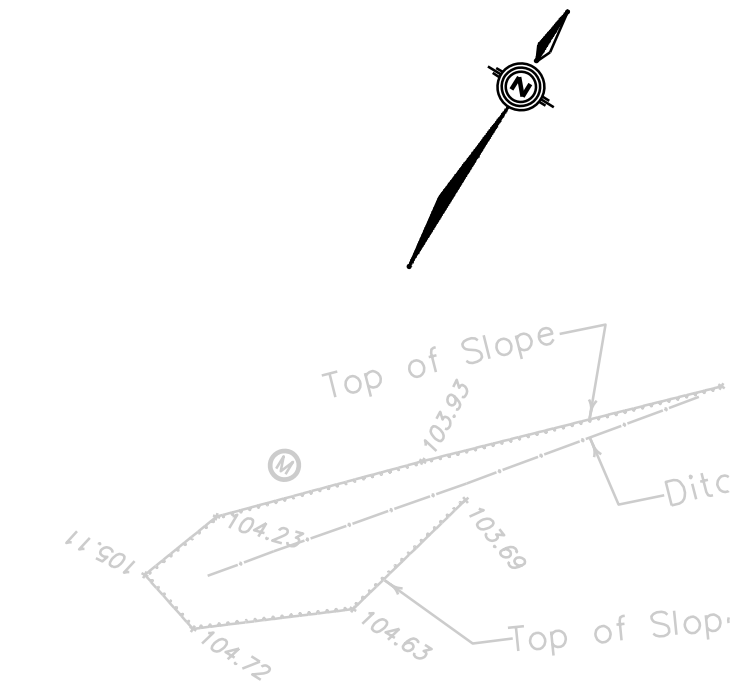
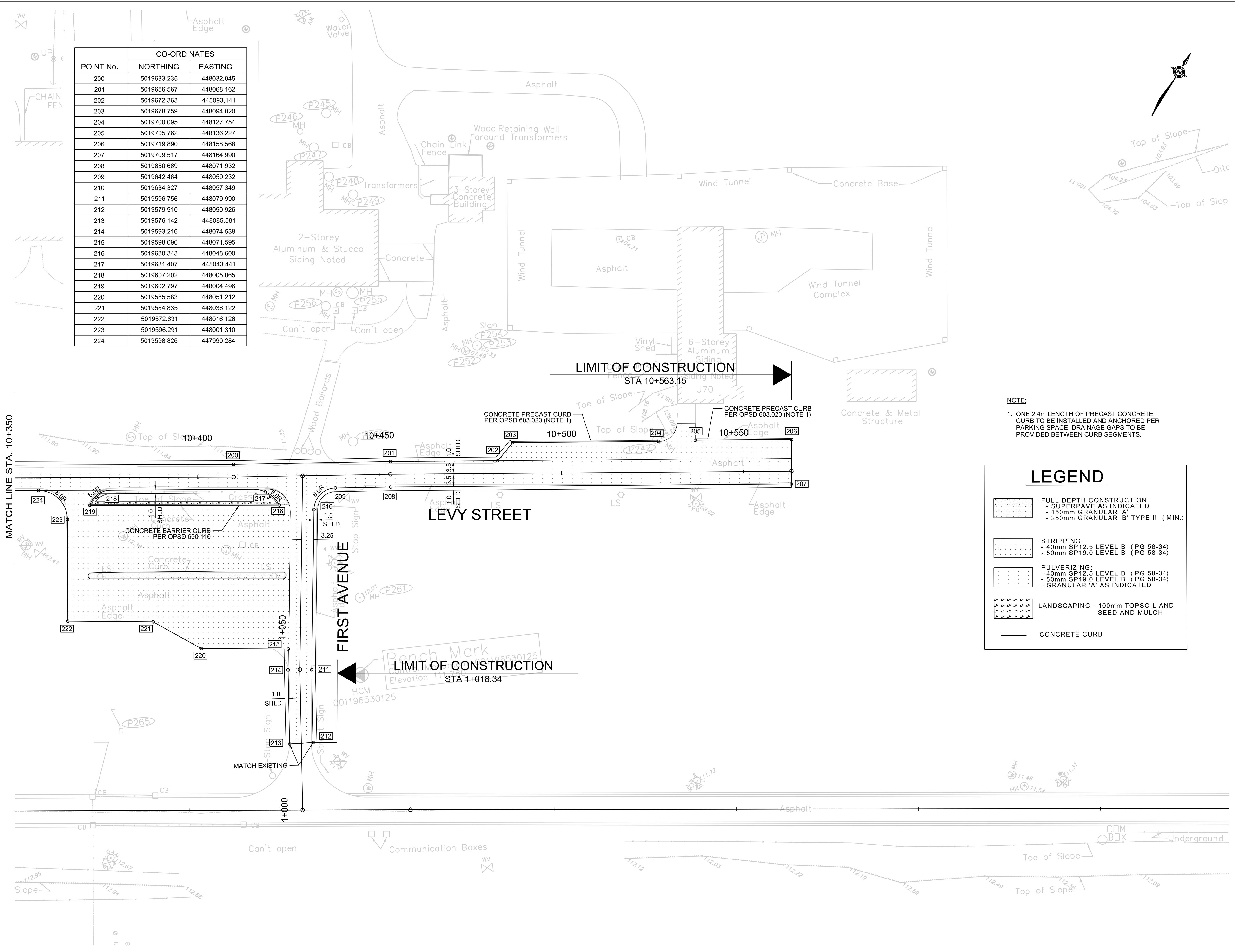
project **UPLANDS CAMPUS LEVY STREET REHABILITATION** project

drawing **GEOMETRY AND GENERAL LAYOUT STA. 10+100 TO STA. 10+300** dessin

designed JZ.	conçu JUNE 2015	date	date
drawn MS.	dessiné 1:500	scale	échelle
checked KM.	vérifié R8	sheet of/de	feuille R15
approved PH.	approuvé A1-006954-01-01	W.O.no.	D.T.no.
dwg.no. D-5058-GGL	dessin no.		

GENERAL NOTES:
 1. REINSTATE ALL DISTURBED AREAS WITH 100mm TOPSOIL AND SEED AND MULCH.

POINT No.	CO-ORDINATES	
	NORTHING	EASTING
200	5019633.235	448032.045
201	5019656.567	448068.162
202	5019672.363	448093.141
203	5019678.759	448094.020
204	5019700.095	448127.754
205	5019705.762	448136.227
206	5019719.890	448158.568
207	5019709.517	448164.990
208	5019650.669	448071.932
209	5019642.464	448059.232
210	5019634.327	448057.349
211	5019596.756	448079.990
212	5019579.910	448090.926
213	5019576.142	448085.581
214	5019593.216	448074.538
215	5019598.096	448071.595
216	5019630.343	448048.600
217	5019631.407	448043.441
218	5019607.202	448005.065
219	5019602.797	448004.496
220	5019585.583	448051.212
221	5019584.835	448036.122
222	5019572.631	448016.126
223	5019596.291	448001.310
224	5019598.826	447990.284



NOTE:
 1. ONE 2.4m LENGTH OF PRECAST CONCRETE CURB TO BE INSTALLED AND ANCHORED PER PARKING SPACE. DRAINAGE GAPS TO BE PROVIDED BETWEEN CURB SEGMENTS.

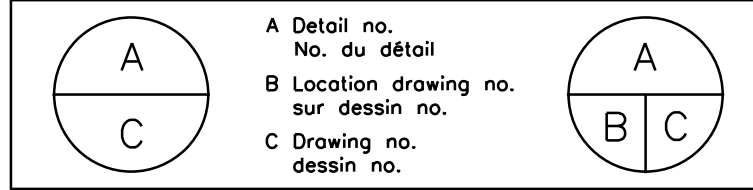
LEGEND

	FULL DEPTH CONSTRUCTION - SUPERPAVE AS INDICATED - 150mm GRANULAR 'A' - 250mm GRANULAR 'B' TYPE II (MIN.)
	STRIPPING: - 40mm SP12.5 LEVEL B (PG 58-34) - 50mm SP19.0 LEVEL B (PG 58-34)
	PULVERIZING: - 40mm SP12.5 LEVEL B (PG 58-34) - 50mm SP19.0 LEVEL B (PG 58-34) - GRANULAR 'A' AS INDICATED
	LANDSCAPING - 100mm TOPSOIL AND SEED AND MULCH
	CONCRETE CURB



No.	Description	By	Date (dd/mm/yy)
0	ISSUED FOR TENDER	PH	12/06/15

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project **UPLANDS CAMPUS LEVY STREET REHABILITATION** projet

drawing **GEOMETRY AND GENERAL LAYOUT STA. 10+300 TO STA. 10+500** dessin

designed JZ.	conçu JUNE 2015	date	date
drawn M.S.	dessiné 1:500	scale	échelle
checked K.M.	vérifié R9	sheet of/de	feuille R15
approved P.H.	approuvé A1-006954-01-01	W.O.no.	D.T.no.
dwg.no.	dessin no.		

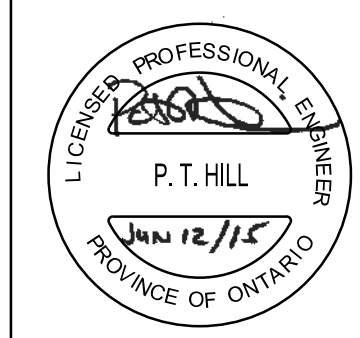
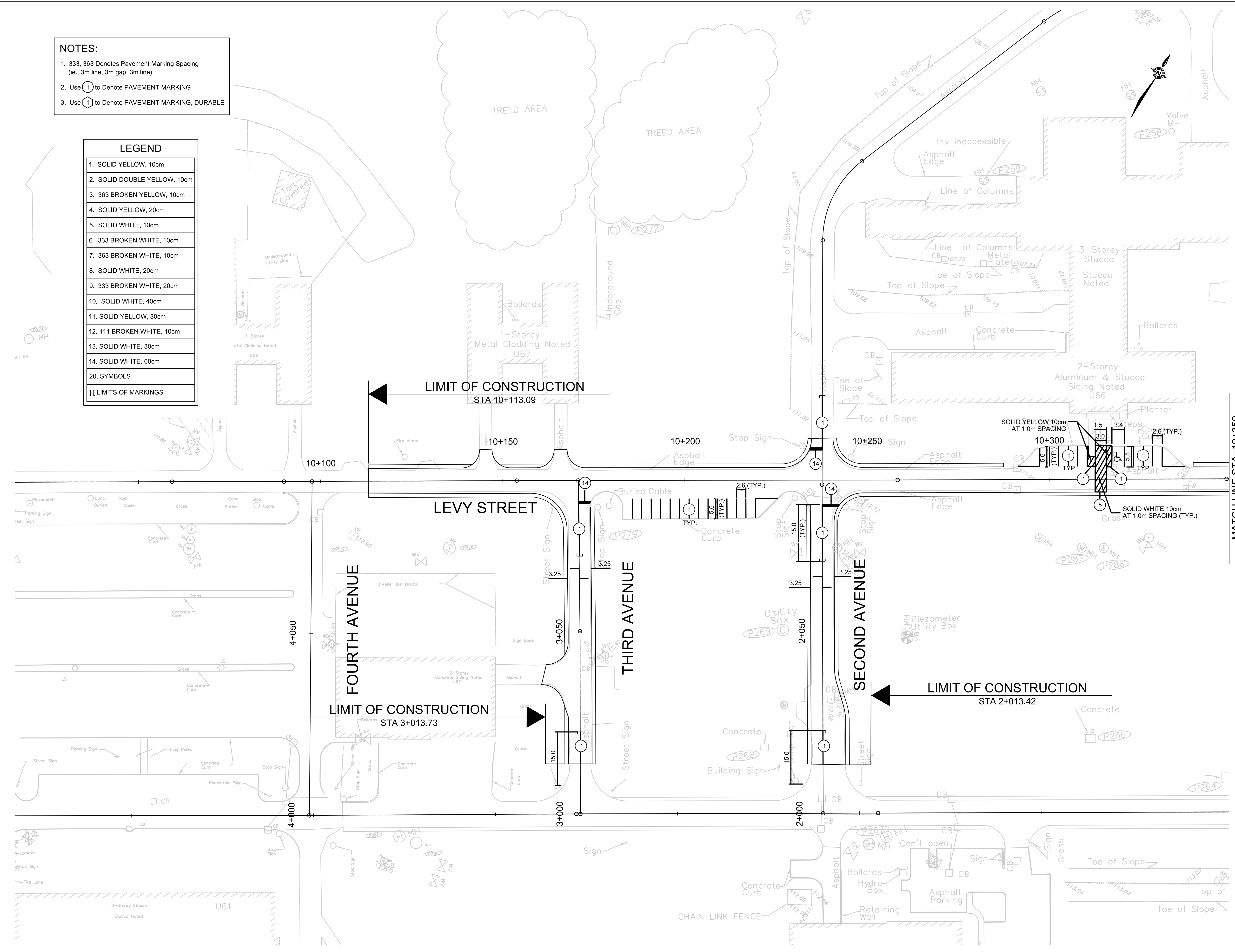
D-5058-GGL

GENERAL NOTES:
 1. REINSTATE ALL DISTURBED AREAS WITH 100mm TOPSOIL AND SEED AND MULCH.

NOTES:
 1. 333, 363 Denotes Pavement Marking Spacing (ie., 3m line, 3m gap, 3m line)
 2. Use (1) to Denote PAVEMENT MARKING
 3. Use (1) to Denote PAVEMENT MARKING, DURABLE

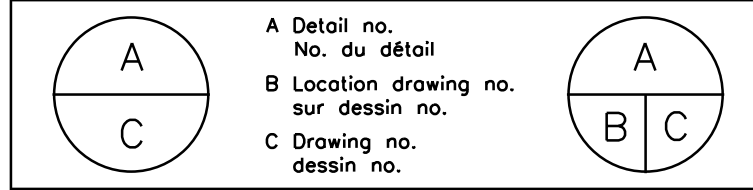
LEGEND

1. SOLID YELLOW, 10cm
2. SOLID DOUBLE YELLOW, 10cm
3. 363 BROKEN YELLOW, 10cm
4. SOLID YELLOW, 20cm
5. SOLID WHITE, 10cm
6. 333 BROKEN WHITE, 10cm
7. 363 BROKEN WHITE, 10cm
8. SOLID WHITE, 20cm
9. 333 BROKEN WHITE, 20cm
10. SOLID WHITE, 40cm
11. SOLID YELLOW, 30cm
12. 111 BROKEN WHITE, 10cm
13. SOLID WHITE, 30cm
14. SOLID WHITE, 60cm
20. SYMBOLS
][LIMITS OF MARKINGS



No.	Description	By	Date (dd/mm/yy)
0	ISSUED FOR TENDER	PH	12/06/15

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project **UPLANDS CAMPUS LEVY STREET REHABILITATION** project

drawing **PAVEMENT MARKINGS AND SIGNAGE STA. 10+100 TO STA. 10+300** dessin

designed JZ.	conçu JUNE 2015	date	date
drawn MS.	dessiné 1:500	scale	échelle
checked KM.	vérifié R10	sheet of/de	feuille R15
approved PH.	approuvé A1-006954-01-01	W.O.no.	D.T.no.
dwg.no. D-5058-TPM	dessin no.		

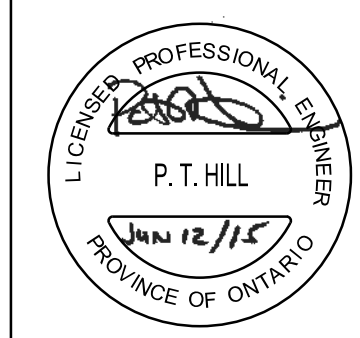
D-5058-TPM

GENERAL NOTES:
 1. REINSTATE ALL DISTURBED AREAS WITH 100mm TOPSOIL AND SEED AND MULCH.

NOTES:
 1. 333, 363 Denotes Pavement Marking Spacing (ie., 3m line, 3m gap, 3m line)
 2. Use (1) to Denote PAVEMENT MARKING
 3. Use (1) to Denote PAVEMENT MARKING, DURABLE

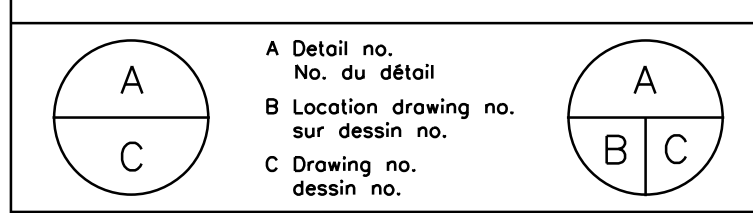
LEGEND

1. SOLID YELLOW, 10cm
2. SOLID DOUBLE YELLOW, 10cm
3. 363 BROKEN YELLOW, 10cm
4. SOLID YELLOW, 20cm
5. SOLID WHITE, 10cm
6. 333 BROKEN WHITE, 10cm
7. 363 BROKEN WHITE, 10cm
8. SOLID WHITE, 20cm
9. 333 BROKEN WHITE, 20cm
10. SOLID WHITE, 40cm
11. SOLID YELLOW, 30cm
12. 111 BROKEN WHITE, 10cm
13. SOLID WHITE, 30cm
14. SOLID WHITE, 60cm
20. SYMBOLS
]] LIMITS OF MARKINGS



No.	Description	By	Date (dd/mm/yy)
0	ISSUED FOR TENDER	PH	12/06/15

o Verify all dimensions and site conditions and be responsible for same
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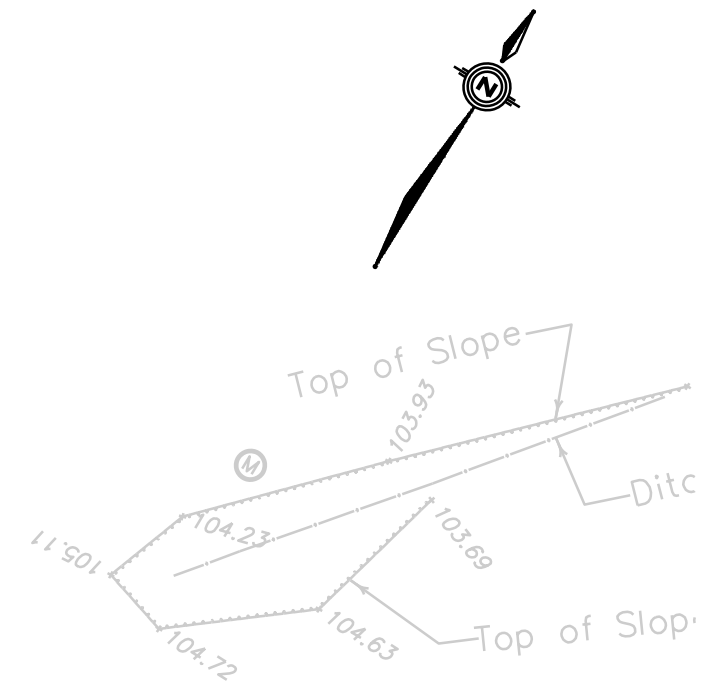
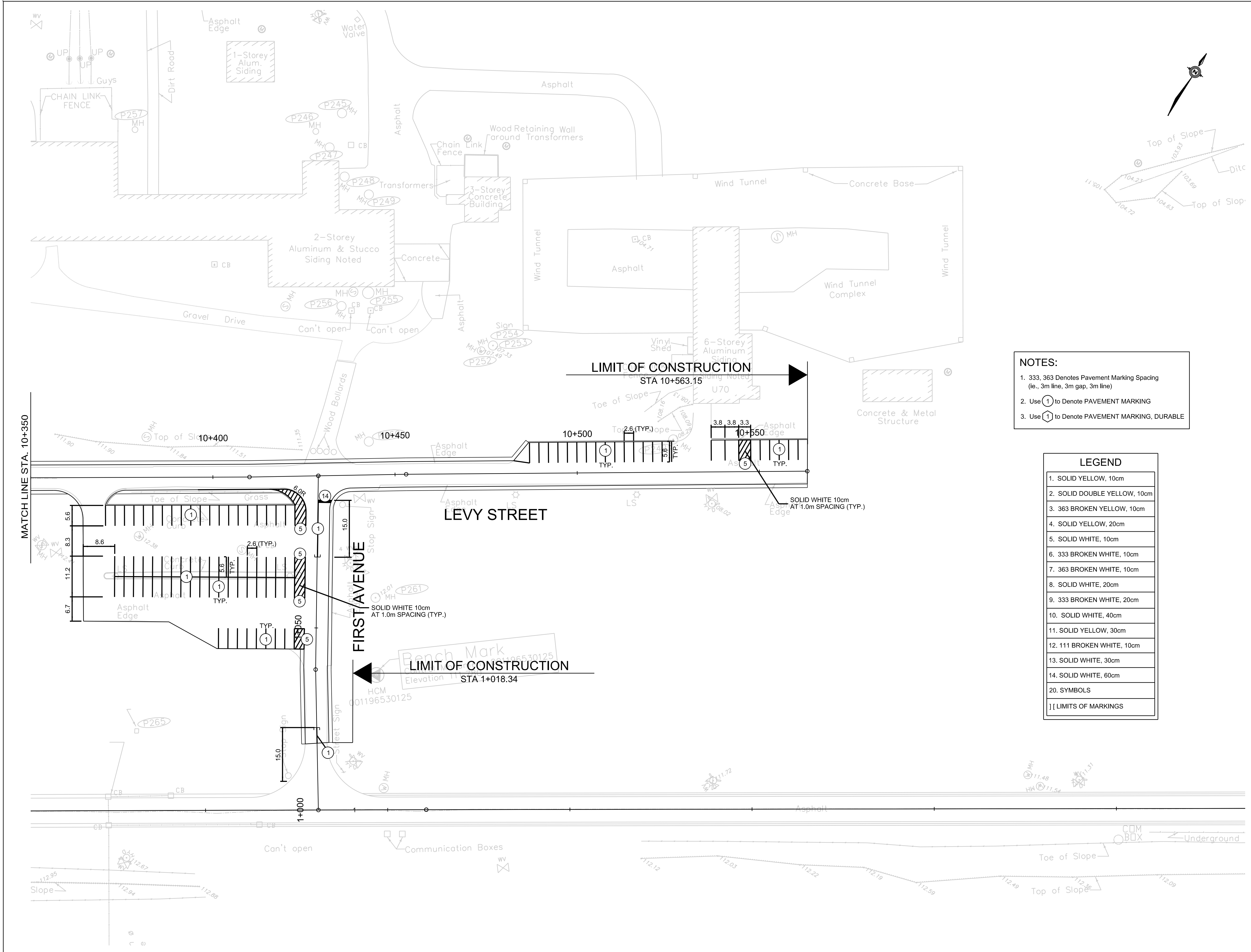


project **UPLANDS CAMPUS LEVY STREET REHABILITATION** projet

drawing **PAVEMENT MARKINGS AND SIGNAGE STA. 10+300 TO STA. 10+500** dessin

designed JZ.	conçu JUNE 2015	date	date
drawn M.S.	dessiné 1:500	scale	échelle
checked K.M.	vérifié R11	sheet of/de	feuille
approved P.H.	approuvé A1-006954-01-01	W.O.no.	D.T.no.
dwg.no. D-5058-TPM	dessin no.		

D-5058-TPM

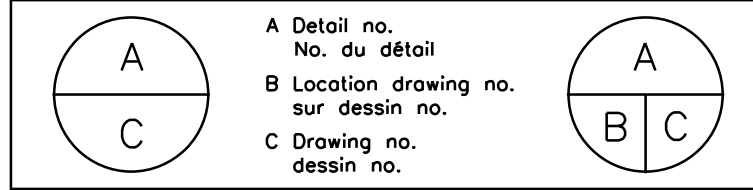


GENERAL NOTES:
 1. REINSTATE ALL DISTURBED AREAS WITH 100mm TOPSOIL AND SEED AND MULCH.



No.	Description	By	Date (dd/mm/yy)
0	ISSUED FOR TENDER	PH	12/06/15

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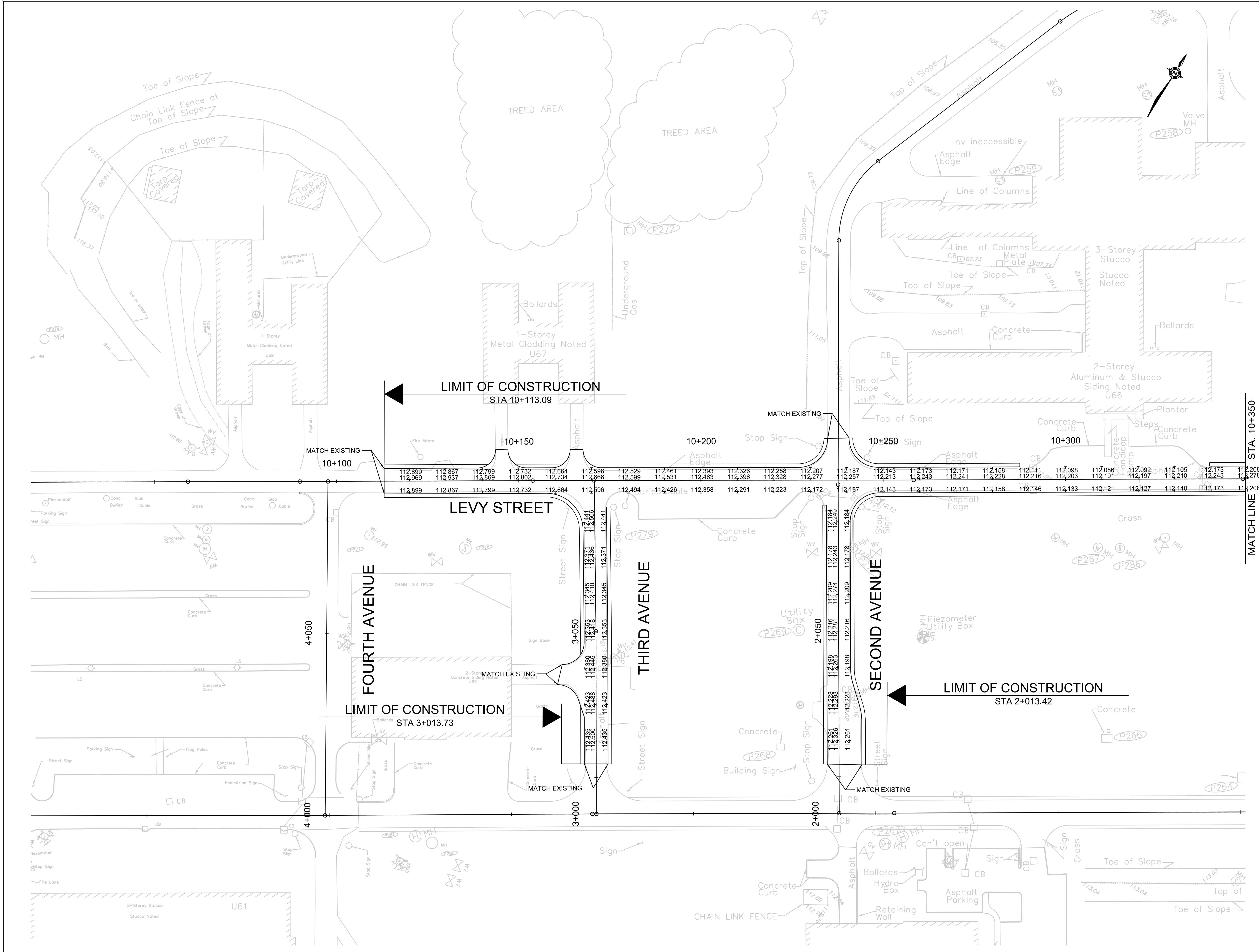


project **UPLANDS CAMPUS LEVY STREET REHABILITATION** project

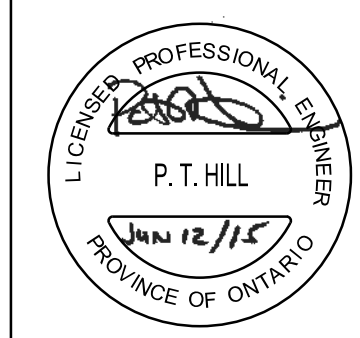
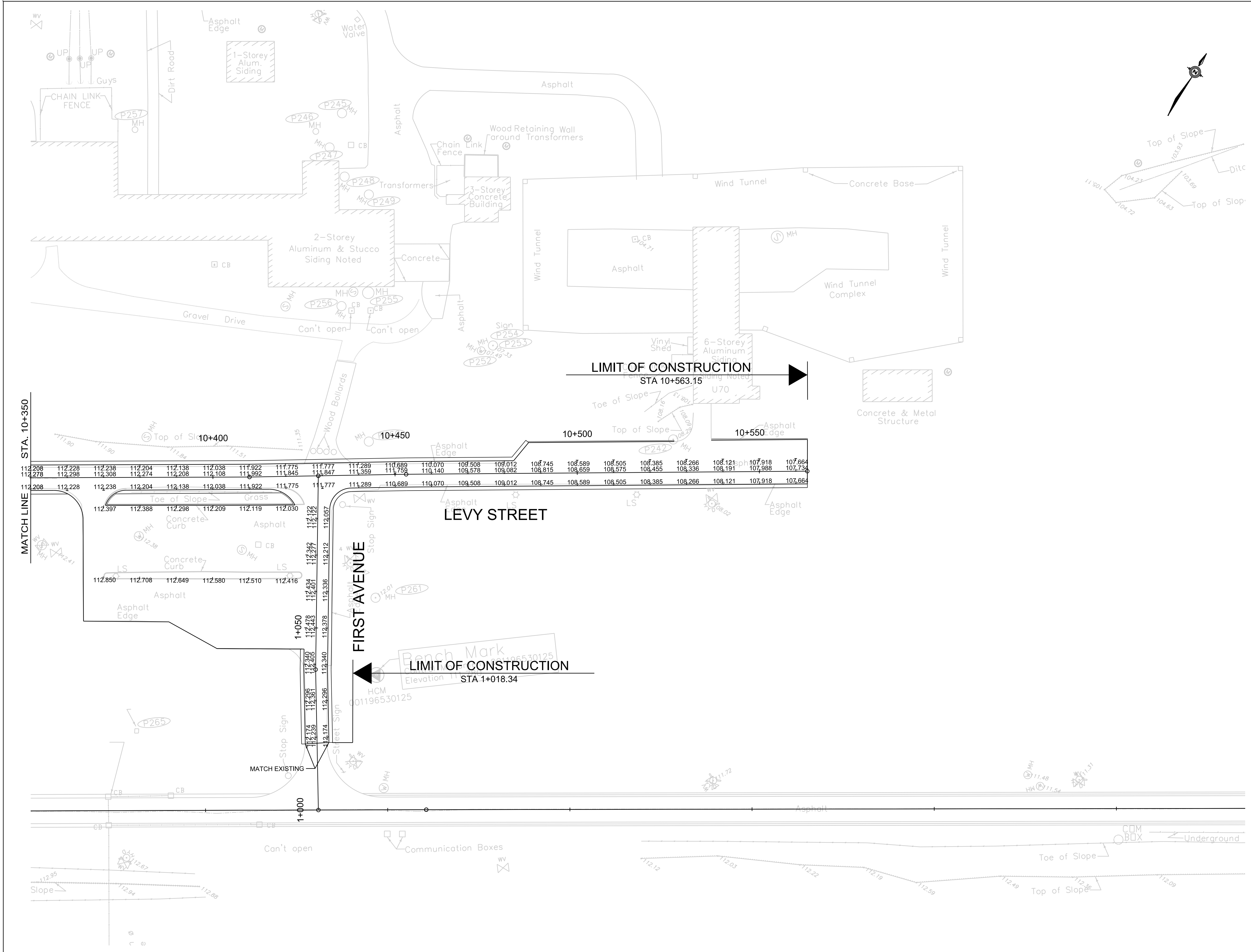
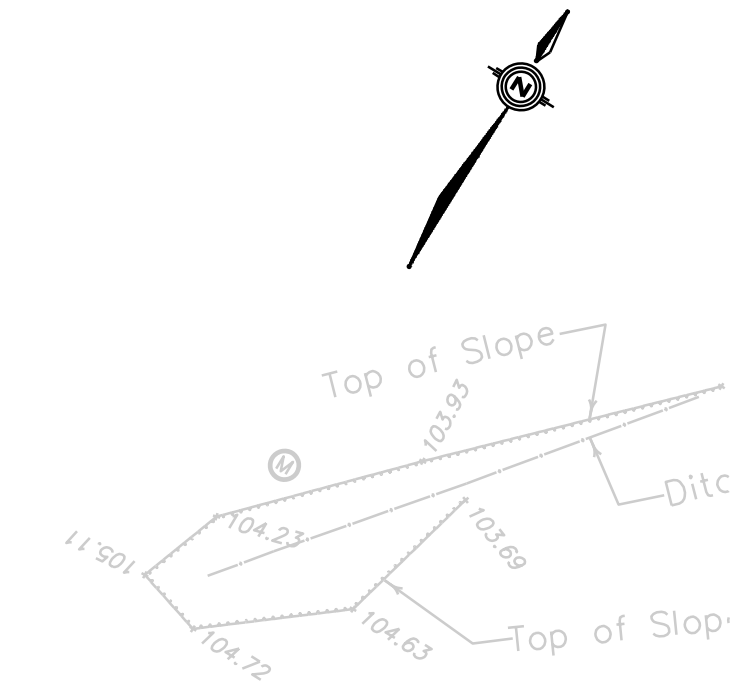
drawing **PAVEMENT ELEVATIONS STA. 10+100 TO STA. 10+300** dessin

designed JZ.	conçu JUNE 2015	date	date
drawn MS.	dessiné 1:500	scale	échelle
checked KM.	vérifié R12	sheet of/de	feuille
approved PH.	approuvé A1-006954-01-01	W.O.no.	D.T.no.
dwg.no. D-5058-PEL	dessin no.		

D-5058-PEL

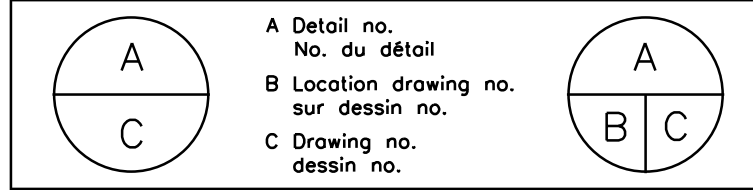


GENERAL NOTES:
 1. REINSTATE ALL DISTURBED AREAS WITH 100mm TOPSOIL AND SEED AND MULCH.



No.	Description	By	Date (dd/mm/yy)
0	ISSUED FOR TENDER	PH	12/06/15

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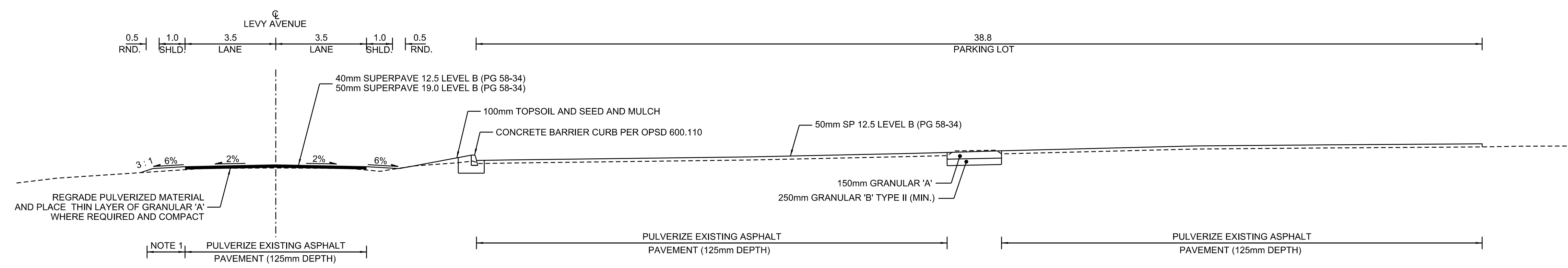


project **UPLANDS CAMPUS LEVY STREET REHABILITATION** projet

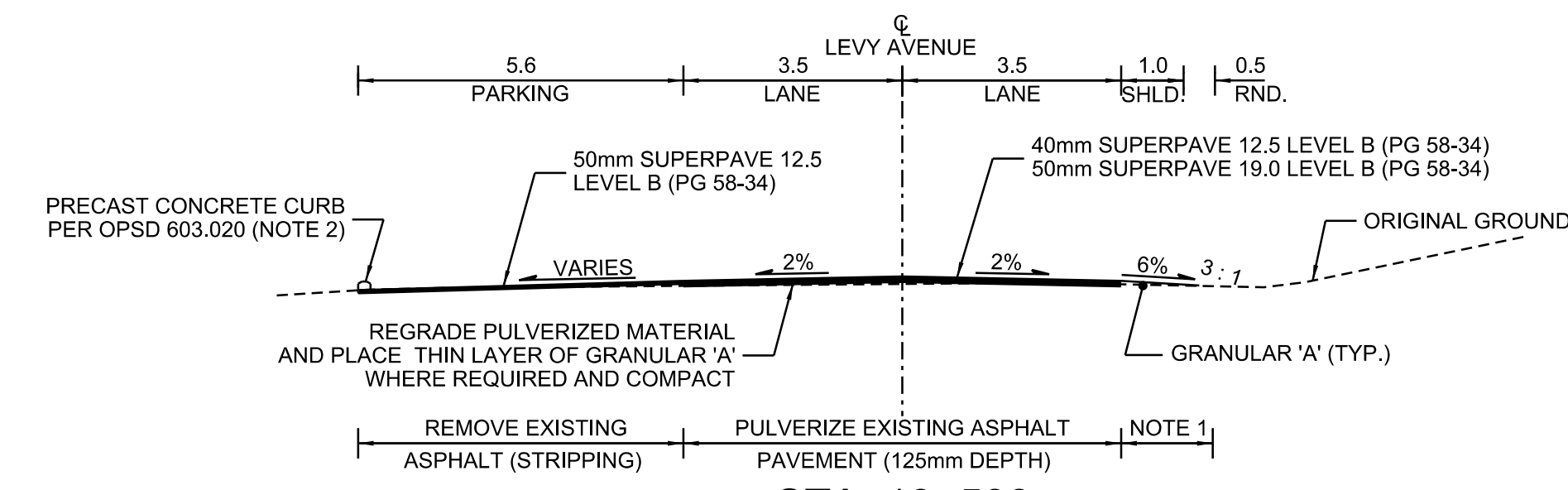
drawing **PAVEMENT ELEVATIONS STA. 10+300 TO STA. 10+500** dessin

designed JZ.	conçu JUNE 2015	date	date
drawn MS.	dessiné 1:500	scale	échelle
checked K.M.	vérifié R13 of/de R15	sheet	feuille
approved P.H.	approuvé A1-006954-01-01	W.O.no.	D.T.no.
dwg.no. D-5058-PEL	dessin no.		

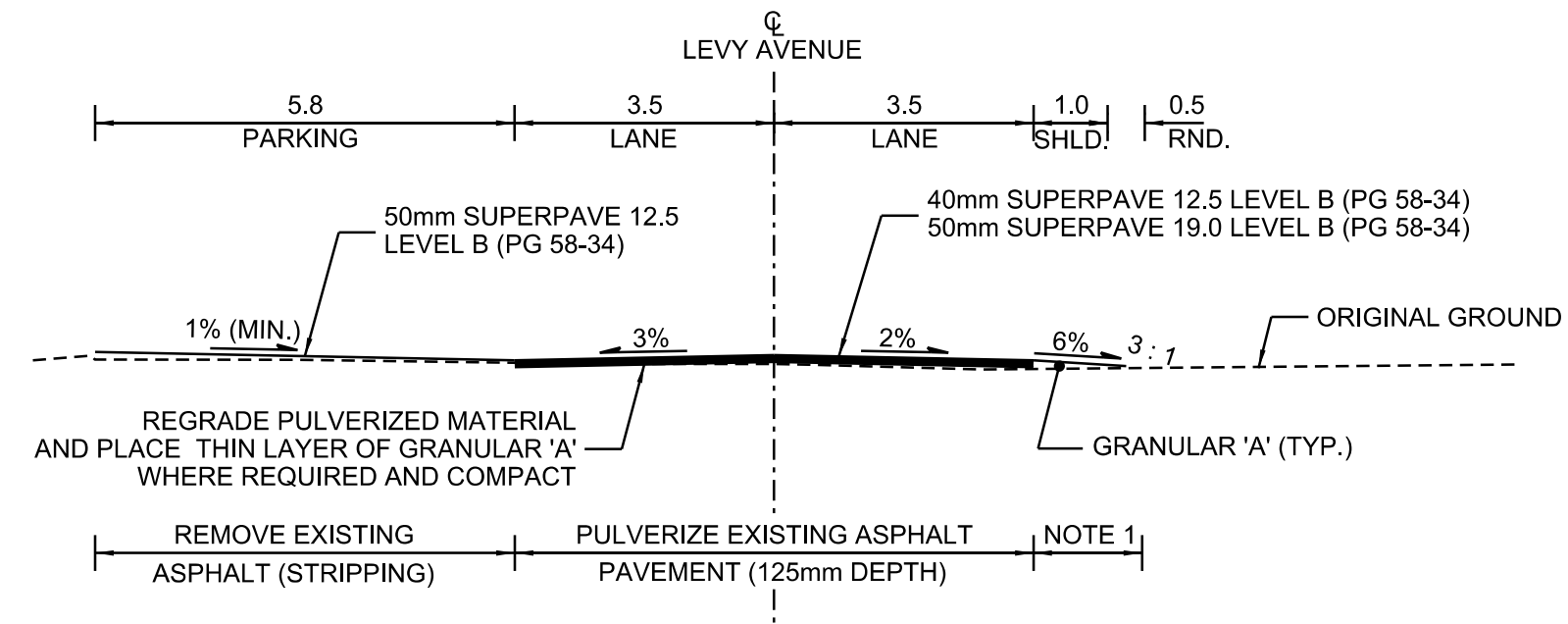
GENERAL NOTES:
 1. REINSTATE ALL DISTURBED AREAS WITH 100mm TOPSOIL AND SEED AND MULCH



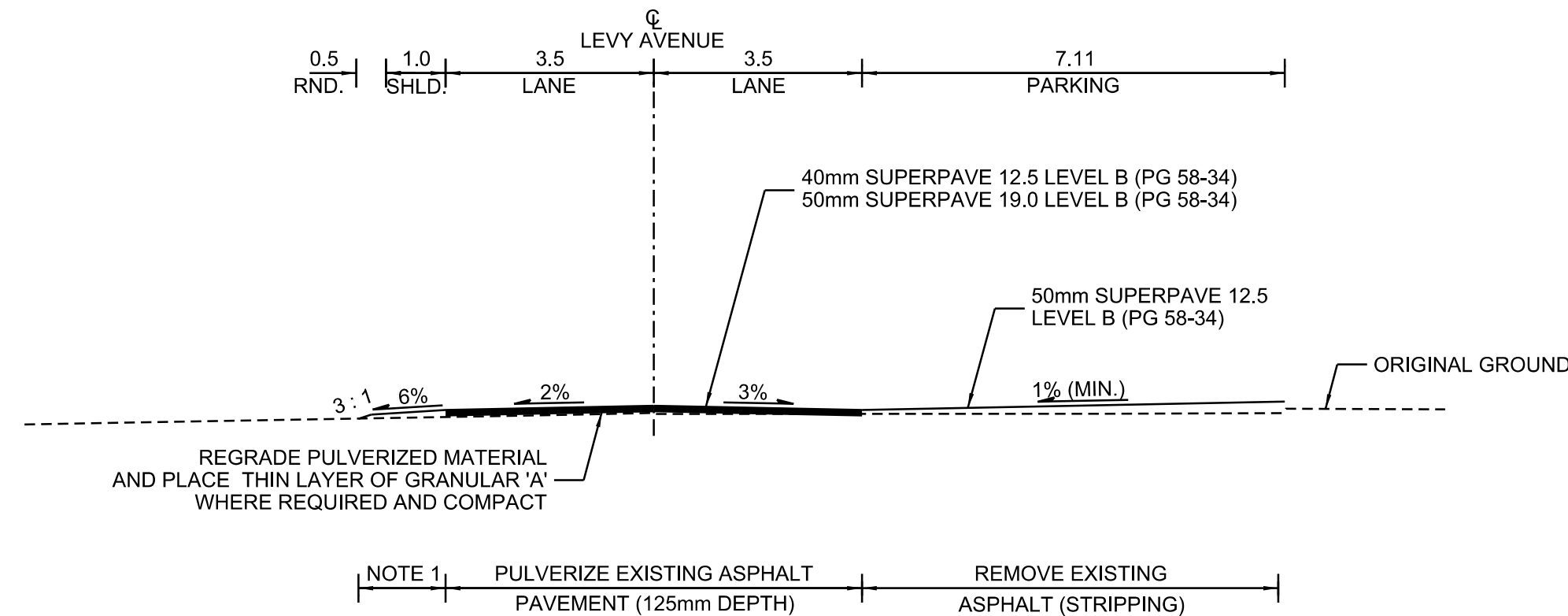
STA. 10+400



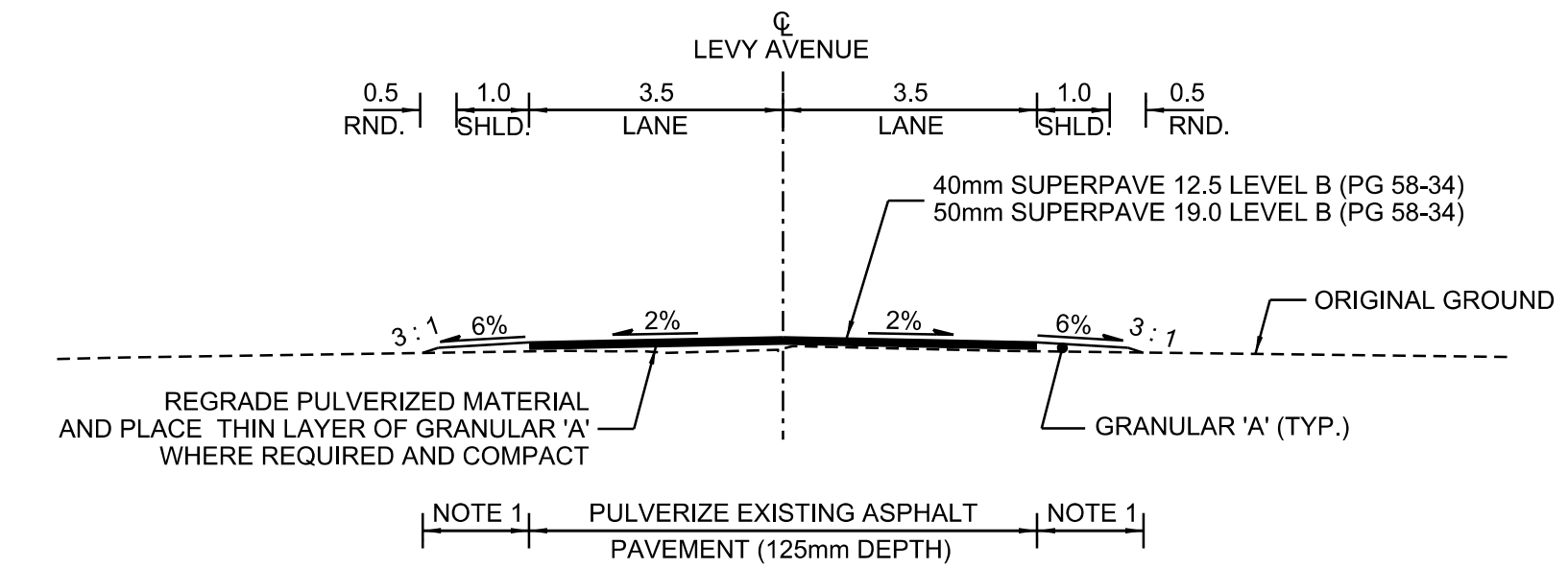
STA. 10+500



STA. 10+310



STA. 10+200



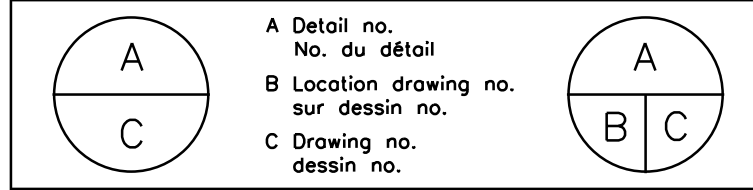
STA. 10+120

- NOTES:**
- EXCAVATE EXISTING SHOULDER AND REMOVE ALL TOPSOIL AND ORGANICS AS REQUIRED TO ACCOMMODATE PROPOSED SHOULDER.
 - ONE 2.4m LENGTH OF PRECAST CONCRETE CURB TO BE INSTALLED AND ANCHORED PER PARKING SPACE. DRAINAGE GAPS TO BE PROVIDED BETWEEN CURB SEGMENTS.



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0	ISSUED FOR TENDER	PH	12/06/15

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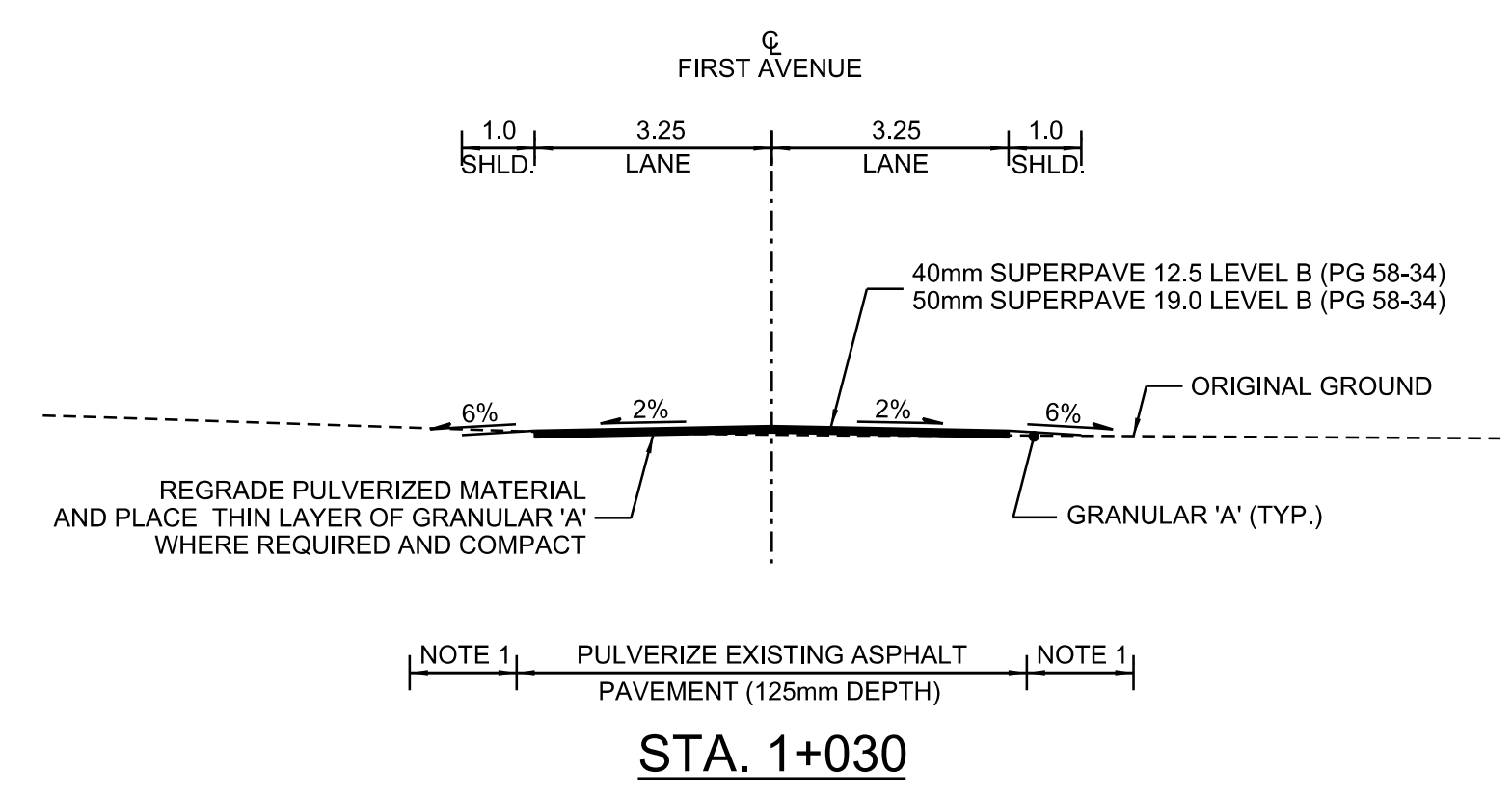
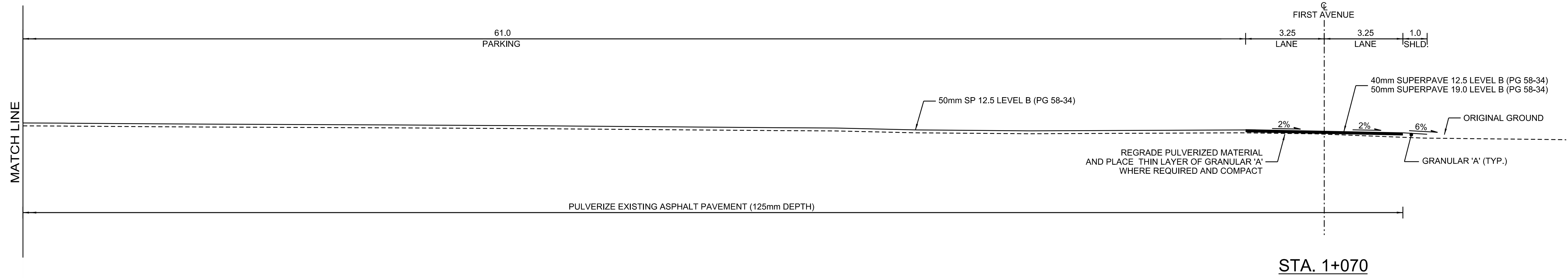
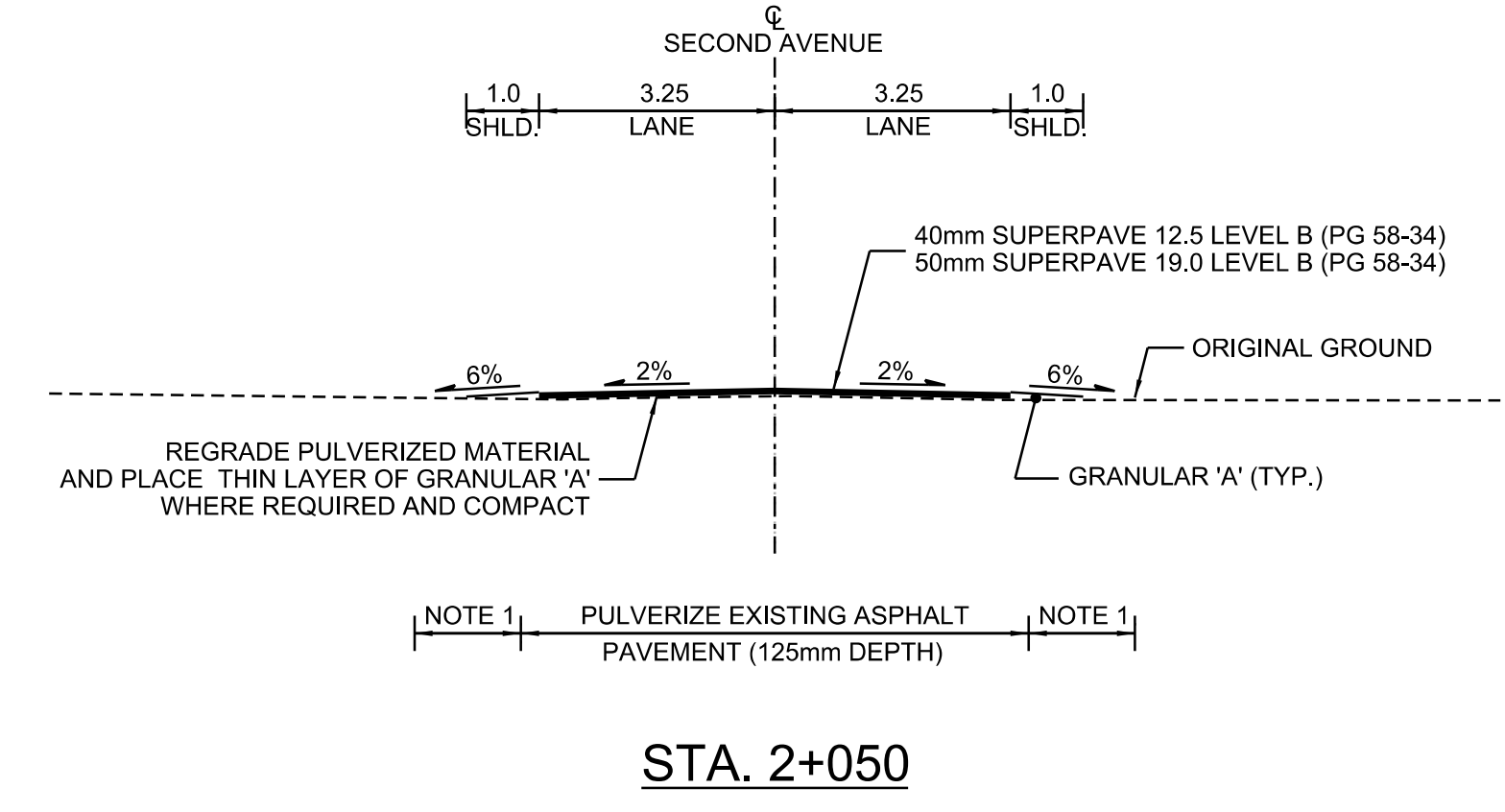
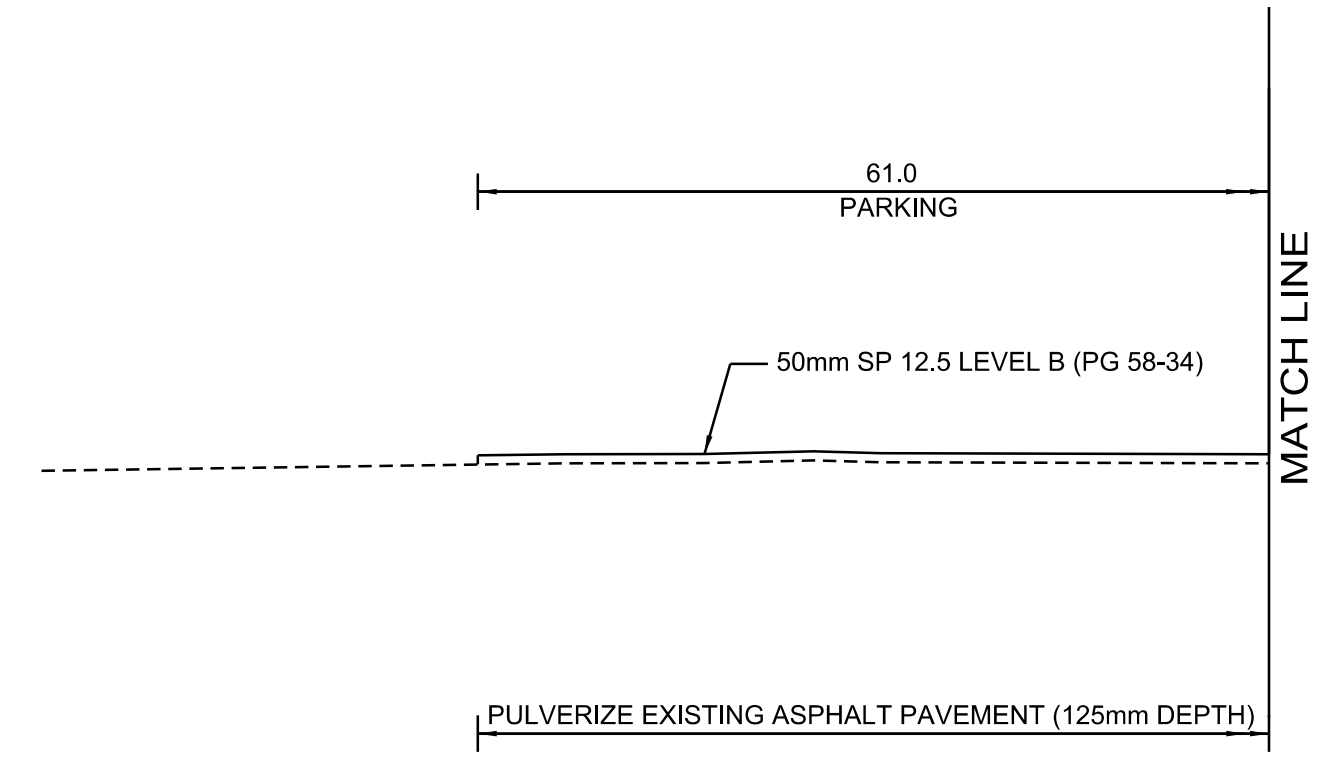
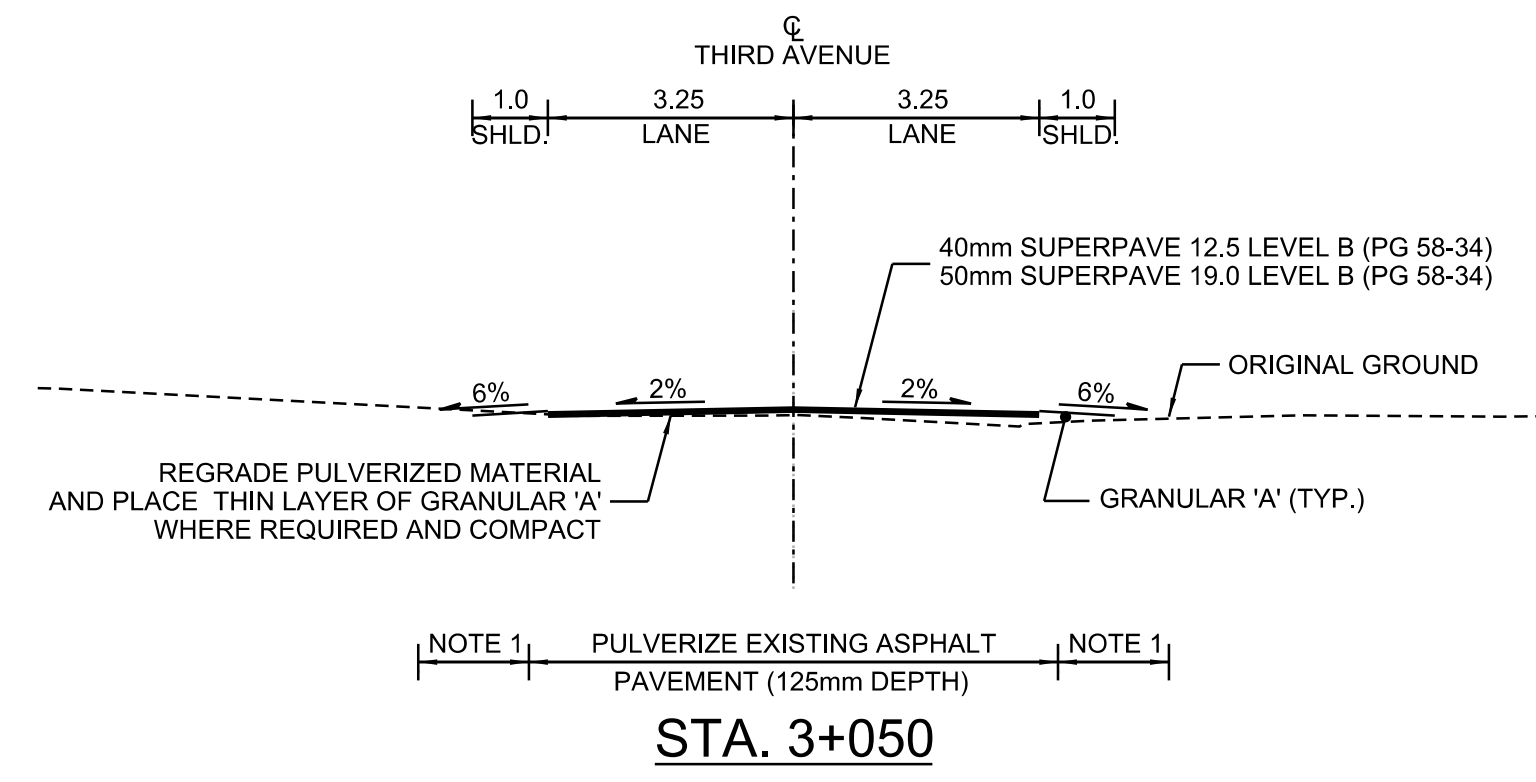


project **UPLANDS CAMPUS LEVY STREET REHABILITATION** project

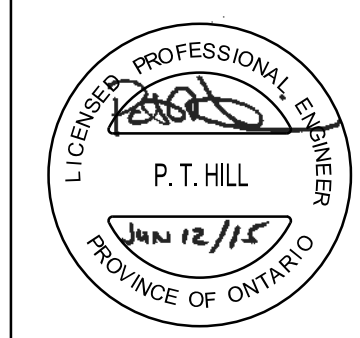
drawing **TYPICAL SECTIONS 1** dessin

designed JZ.	conçu JUNE 2015	date	date
drawn MS.	dessiné 1:500	scale	échelle
checked K.M.	vérifié R14	sheet of/de	feuille R15
approved P.H.	approuvé A1-006954-01-01	W.O.no.	D.T.no.
dwg.no. D-5058-TXS	dessin no.		

GENERAL NOTES:
 1. REINSTATE ALL DISTURBED AREAS WITH 100mm TOPSOIL AND SEED AND MULCH

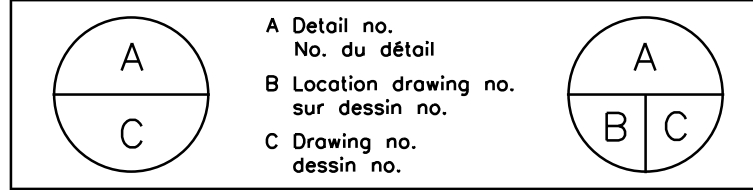


NOTE:
 1. EXCAVATE EXISTING SHOULDER AND REMOVE ALL TOPSOIL AND ORGANICS AS REQUIRED TO ACCOMMODATE PROPOSED SHOULDER.



No.	Description	By	Date (dd/mm/yy)
0	ISSUED FOR TENDER	PH	12/06/15

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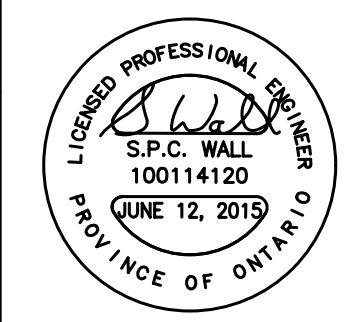
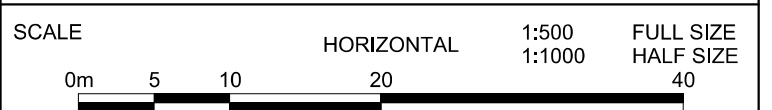
project **UPLANDS CAMPUS LEVY STREET REHABILITATION** projet

drawing **TYPICAL SECTIONS 2** dessin

designed JZ.	conçu JUNE 2015	date	date
drawn M.S.	dessiné 1:500	scale	échelle
checked K.M.	vérifié R15	sheet of/de	feuille R15
approved P.H.	approuvé A1-006954-01-01	W.O.no.	D.T.no.
dwg.no. D-5058-TXS	dessin no. D-5058-TXS		

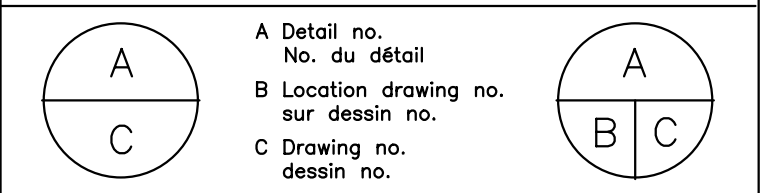
NOTES:

- INSTALL NEW DUCT ENTRY IN TO THE EXISTING TUNNEL AND TERMINATE CONDUITS AND CABLES AT CIRCUIT BREAKER(S) IN THE EXISTING PANEL 'EL1' FOR ROADWAY LIGHTING. core into the tunnel using link seal to ensure no leaks at the access point.
- 50mm PVC CONDUIT SHALL TRANSITION TO 50MM PVC COATED RIGID STEEL AT A POINT 600 MM BELOW GRADE. PROVIDE AN LB FITTING FOR ENTRY INTO THE BUILDING AND TRANSITION TO EXISTING SURFACE MOUNTED DUCT HANGER SYSTEM TO EXISTING SUPPLY PANEL. THE POINT OF ENTRY INTO BUILDING AND PATH TO PANEL TO BE VERIFIED ON THE SITE PRIOR TO CONSTRUCTION OF THE CONDUIT.
- TRANSITION 50mm RIGID DUCT TO 50mm NON-METALLIC TUBING (ENT) AT POLE BASE AND ROUTE ENT INTO SLEEVE TO A POINT 300mm ABOVE TOP OF FOUNDATION. SEE DETAIL A1 AND A2 ON DWG No. D-5058-D01.
- TRANSITION 50mm RIGID DUCT TO 50mm NON-METALLIC TUBING (ENT) AT POLE BASE AND ROUTE ENT INTO SLEEVE TO A POINT 300mm ABOVE TOP OF FOUNDATION. SEE DETAIL B1 AND B2 ON DWG. No. D-5058-D01.



No.	Description	By	Date (dd/mm/yy)
0	ISSUED FOR TENDER	SPW	12/06/15

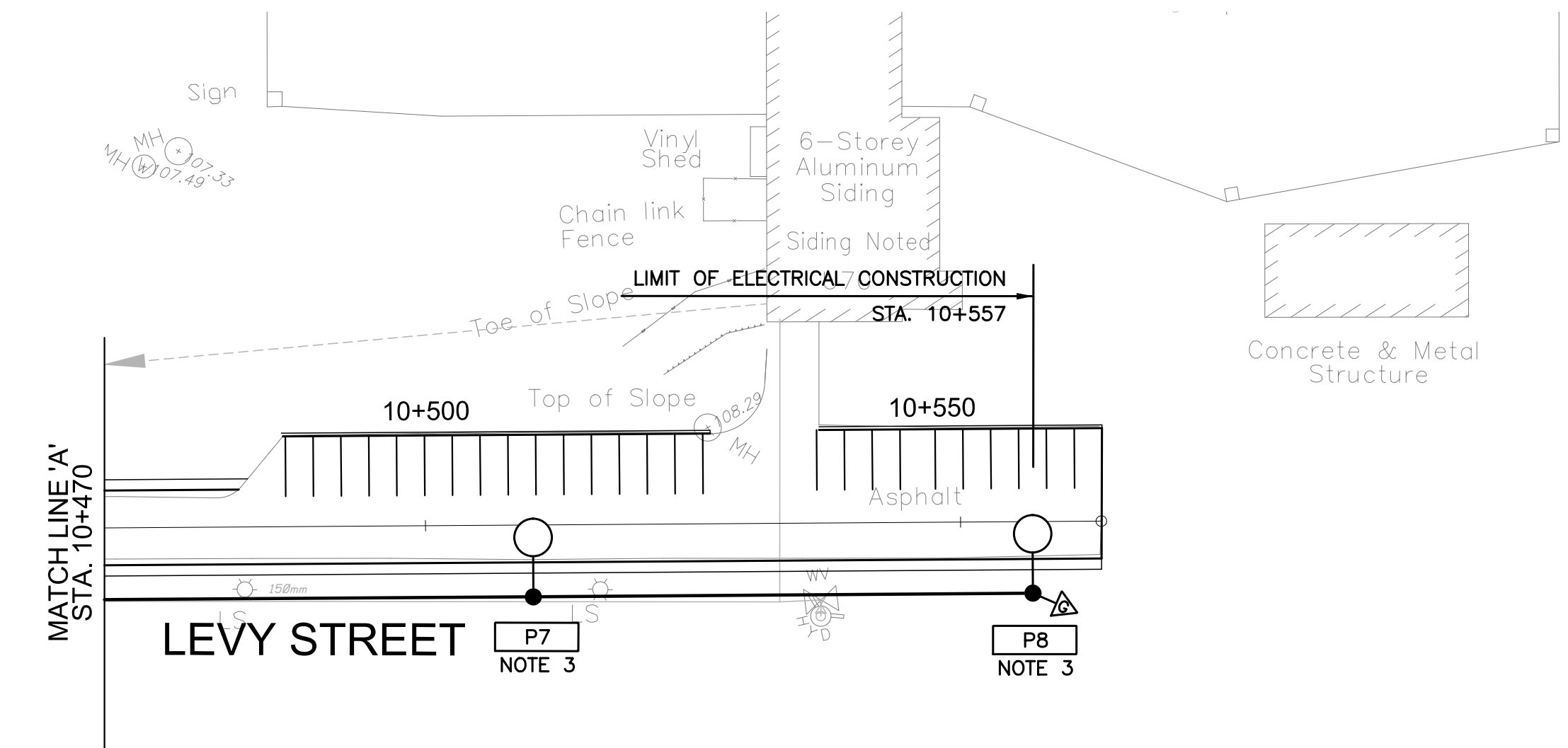
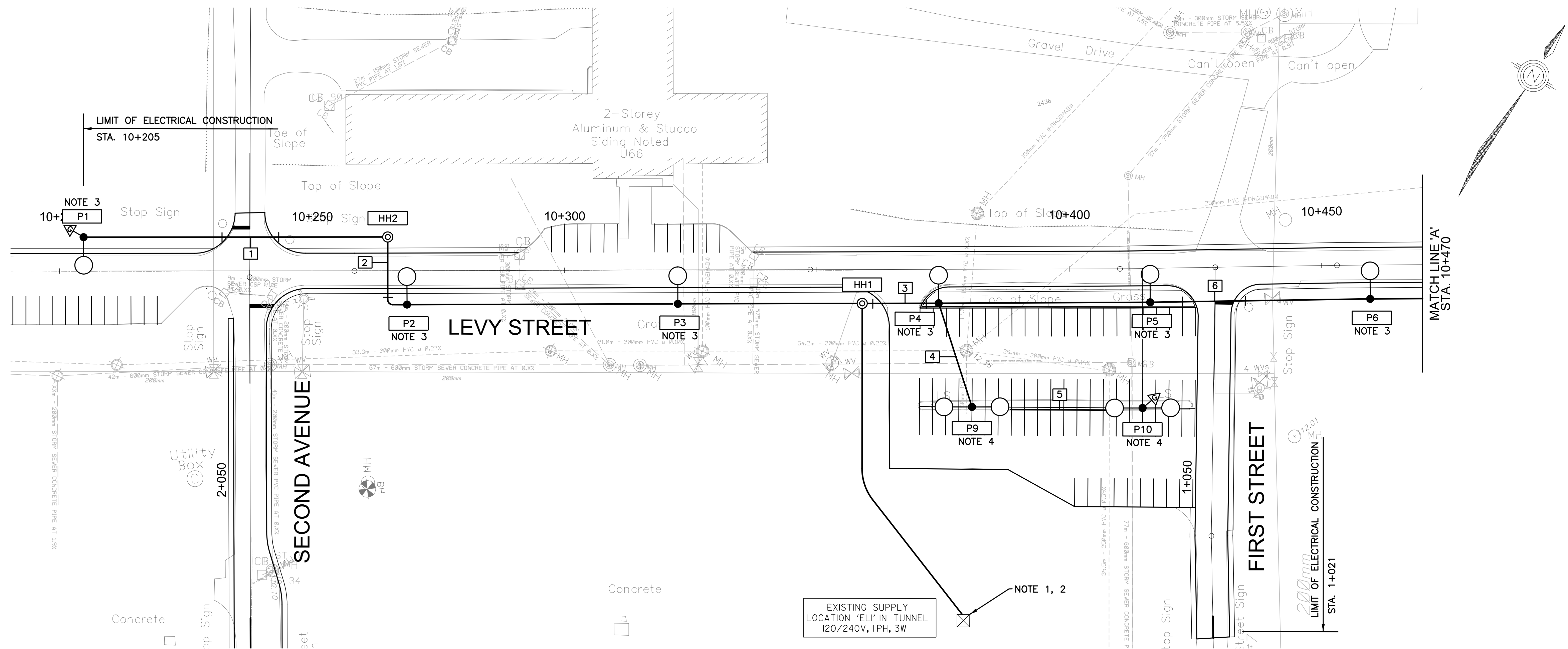
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project: **UPLANDS CAMPUS - LEVY STREET REHABILITATION**

ROADWAY ILLUMINATION LAYOUT

designed	conçu	date	JUNE 2015
drawn	dessiné	scale	FULL SIZE 1:500 HALF SIZE 1:1000
checked	vérifié	sheet	E1 of/de E5
approved	approuvé	W.O.no.	A1-006954-01-01
dwg.no.		dessin no.	D-5058-N01



HANDHOLE SUMMARY

HANDHOLE ID	STATION	OFFSET
HH1	10+265.0	3.2m FROM E/P
HH2	10+311.3	3.2m FROM E/P

POLE SUMMARY

POLE ID	STATION	OFFSET	REMARKS
P1	10+205.0	3.2m FROM E/P	-
P2	10+269.0	3.2m FROM E/P	-
P3	10+322.0	3.2m FROM E/P	-
P4	10+374.0	3.2m FROM E/P	-
P5	10+416.0	3.2m FROM E/P	-
P6	10+460.0	3.2m FROM E/P	-
P7	10+510.0	3.2m FROM E/P	-
P8	10+557.0	3.2m FROM E/P	-
P9	10+381.0	27.5m RT	NOTE 2
P10	10+414.5	27.5m RT	NOTE 2

- LEGEND:**
- ALUMINUM POLE BASE MOUNTED LED LUMINAIRE (SINGLE MOUNT), BRACKET AND PHOTOCELL
 - ALUMINUM POLE BASE MOUNTED LED LUMINAIRE (DUAL MOUNT), BRACKET AND PHOTOCELL
 - HAND HOLE (460mm)
 - 50mm PVC UNDERGROUND DUCT, DIRECT BURIED
 - 50mm PVC UNDERGROUND DUCT, CONCRETE ENCASED. TRANSITION TO DIRECT BURIED DUCT 1.0m BEYOND EDGE OF PAVEMENT OR AT HANDHOLE OR POLE
 - GROUND ROD

NOTES:

- 50mm PVC CONDUIT SHALL TRANSITION TO 50MM PVC COATED RIGID STEEL AT A POINT 600 MM BELOW GRADE. PROVIDE AN LB FITTING FOR ENTRY INTO THE BUILDING AND TRANSITION TO EXISTING SURFACE MOUNTED DUCT HANGER SYSTEM TO EXISTING SUPPLY PANEL. THE POINT OF ENTRY INTO BUILDING AND PATH TO PANEL TO BE VERIFIED ON THE SITE PRIOR TO CONSTRUCTION OF THE CONDUIT. CORE INTO THE TUNNEL USING LINK SEAL TO ENSURE NO LEAKS AT THE ACCESS POINT.
- POLE FOUNDATION MUST BE CENTERED BETWEEN THE PARKING LOT SPACE LINES. FINAL COORDINATE LOCATION IN THE FIELD.
- ADD A LAMACOID LABEL TO THE JUNCTION BOX THAT READS "LEVY ROAD STREET LIGHTING JUNCTION BOX".
- ADD A TWO LINE LAMACOID LABEL TO THE FRONT PANEL COVER THAT READS "LEVY ROAD STREET LIGHTING CIRCUIT" ON ONE LINE AND "RESEARCH ROAD STREET LIGHTING CIRCUIT ON A SEPERATE LINE".
- CONTRACTOR TO SUPPLY TWO(2) 20 AMP SINGLE POLE BREAKERS.

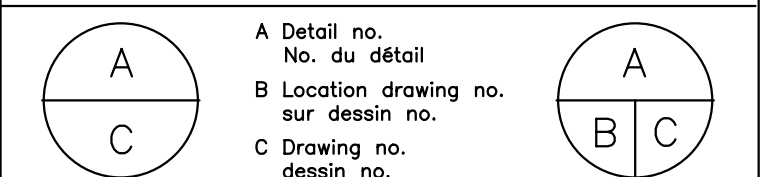
SCALE

N.T.S.



No.	Description	By	Date (dd/mm/yy)
0	ISSUED FOR TENDER	SPW	12/06/15

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project / projet

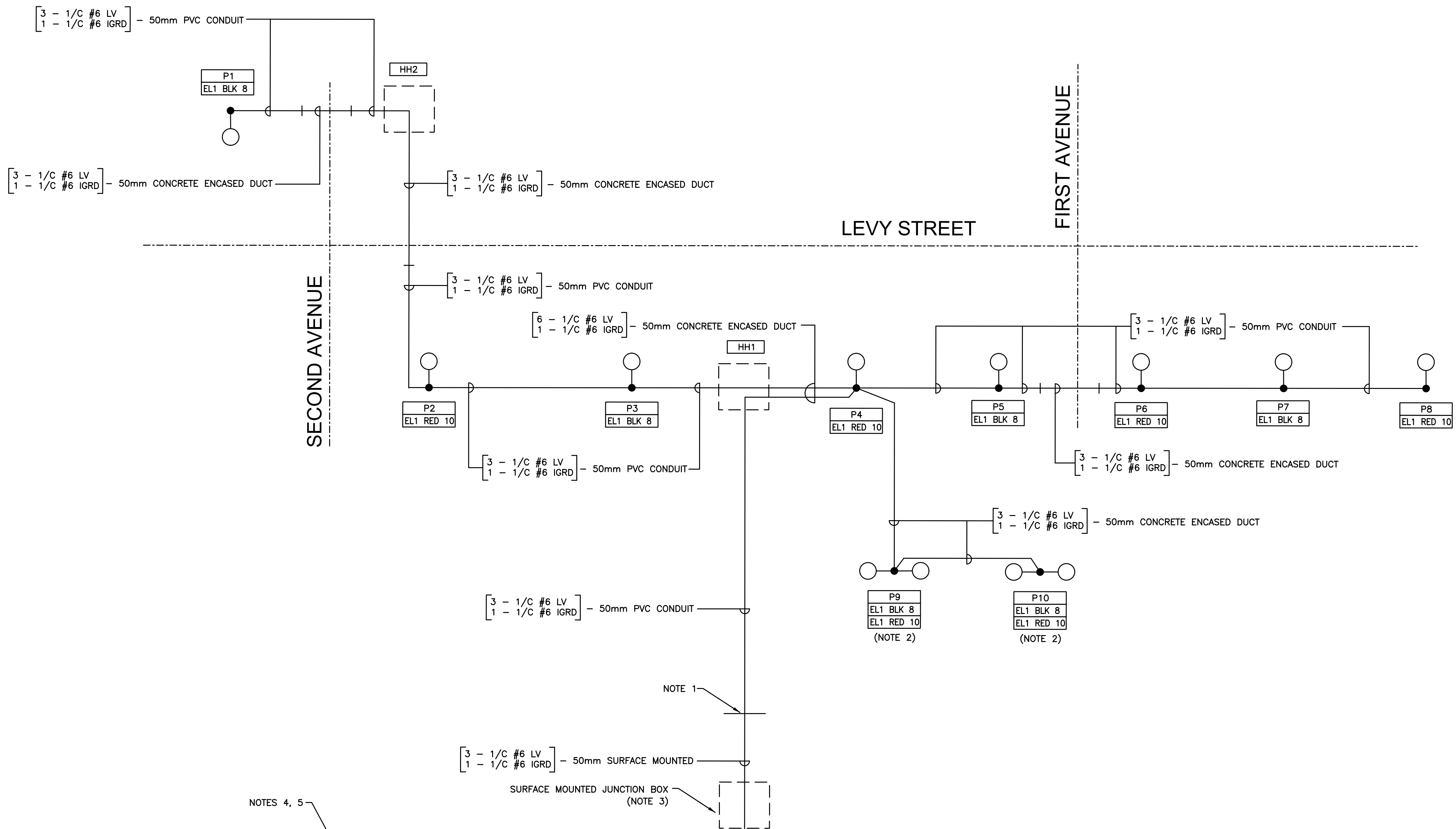
UPLANDS CAMPUS - LEVY STREET REHABILITATION

drawing / dessin

WIRING DIAGRAM AND CHARTS

designed	conçu	date	date
SP.W.		JUNE 2015	
drawn	dessiné	scale	échelle
K.G.M.		N.T.S.	
checked	vérifié	sheet of/de	feuille
D.P.M.		E2 of/de	E5
approved	approuvé	W.O.no.	D.T.no.
SP.W.		A1-006954-01-01	
dwg.no.	dessin no.		
D-5058-LW1			

D-5058-LW1

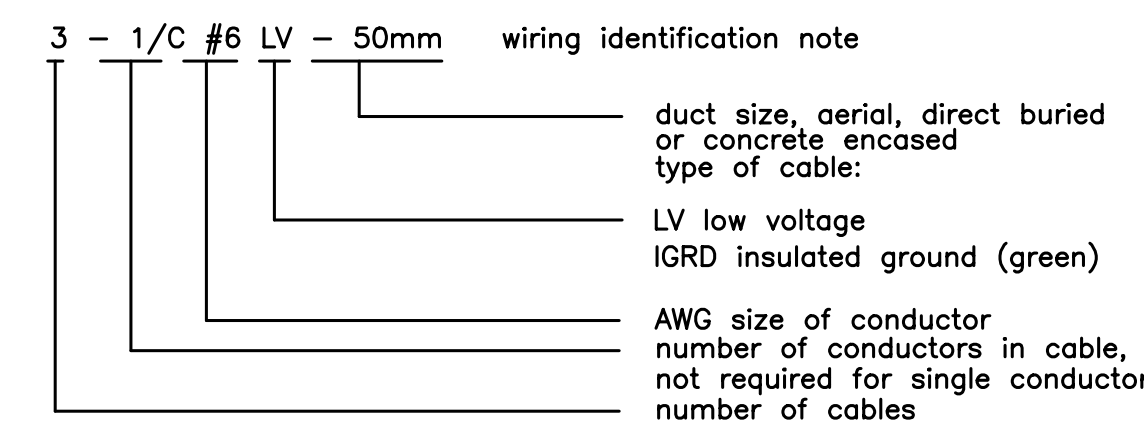


EXISTING UNDER GROUND TUNNEL SUPPLY LOCATION: PANEL 'EL1'

EXISTING QO 30 - 120/240V, 200A, 1PH, 3W

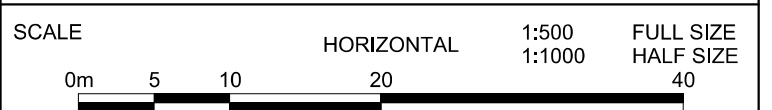
LOAD TABLE									
DESCRIPTION	LOAD (W)	PH	CCT No.	BKR (A)	BKR (A)	CCT No.	PH	LOAD (W)	DESCRIPTION
		RED	1	EX.	EX.	2	RED		
		BLK	3	EX.	EX.	4	BLK		
		RED	5	EX.	EX.	6	RED		
		BLK	7	EX.	20	8	BLK		P1, P3, P5, P7, P9, P10
		RED	9	EX.	20	10	RED		P2, P4, P6, P8, P9, P10
		BLK	11	EX.	EX.	12	RED		
		RED	13	EX.	EX.	14	RED		
		BLK	15	EX.	EX.	16	BLK		
		RED	17	EX.	EX.	18	RED		
		BLK	19	EX.	EX.	20	BLK		
TOTAL LTG PH-RED								TOTAL LTG PH-BLACK	
TOTAL LOAD (W)									

LEGEND:



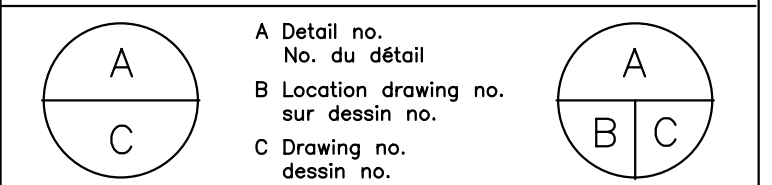
NOTES:

- EXISTING TIMER AND CONTRACTOR ADJACENT TO PANEL EL1 TO BE REMOVED. COORDINATE ALL REMOVALS WITH BUILDING ELECTRICAL.
- UNDERGROUND DUCT TRANSITIONS TO SURFACE MOUNTED DUCT (APPROX. 50 FEET) AND MUST BE REMOVED BACK TO THE EXISTING PANEL. COORDINATE ALL REMOVALS WITH NRC ELECTRICAL MAINTENANCE STAFF.
- DISCONNECT WIRING AT POLE R5. REMOVAL OF WIRING FROM POLE R5 TO BUILDING U70 TO BE COORDINATED WITH BUILDING ELECTRICAL.



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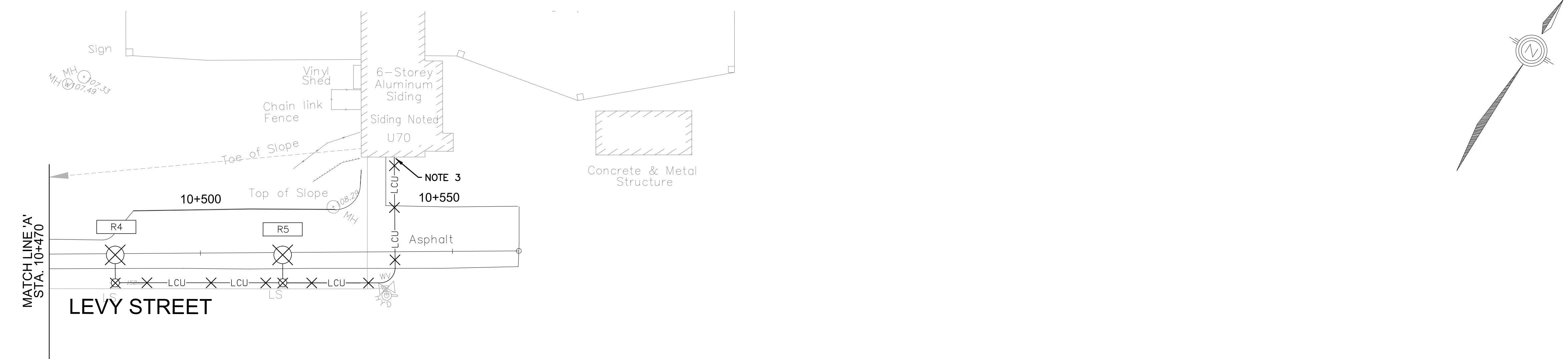
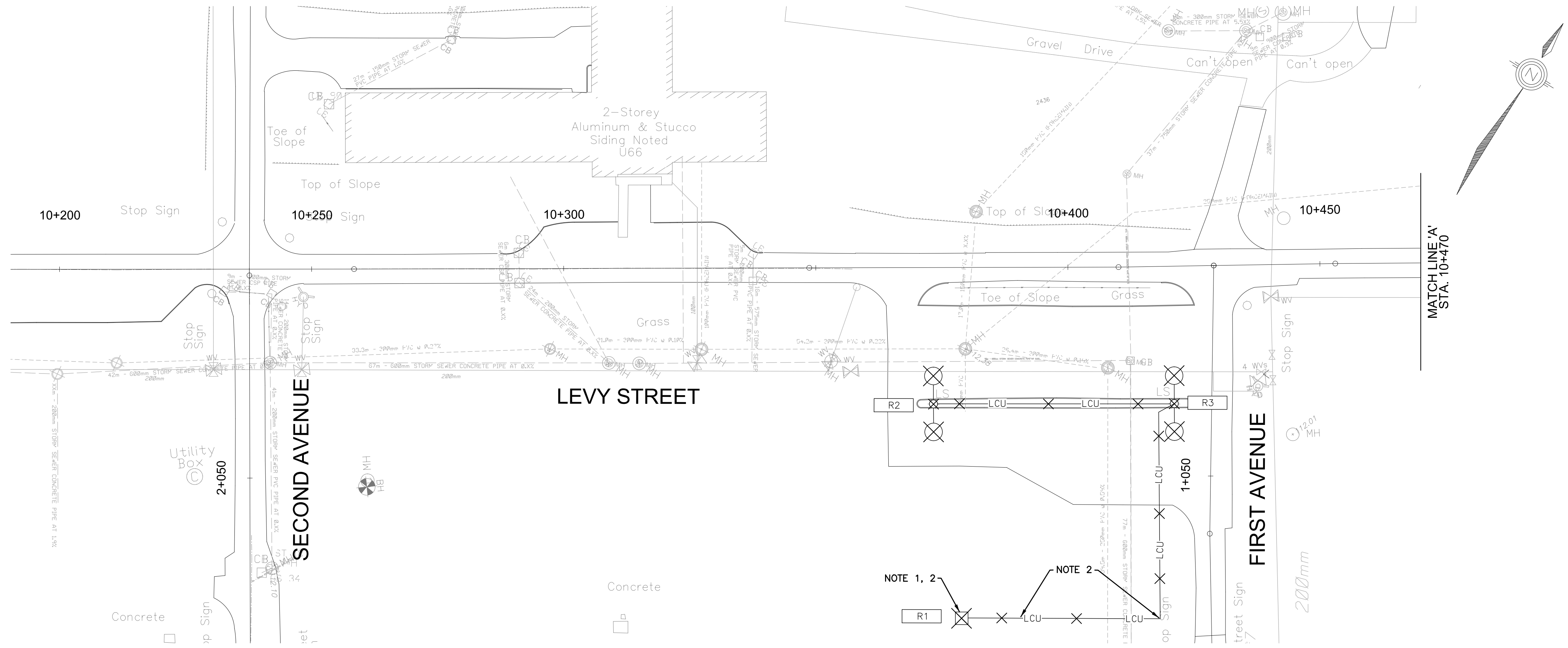


project **UPLANDS CAMPUS - LEVY STREET REHABILITATION** projet

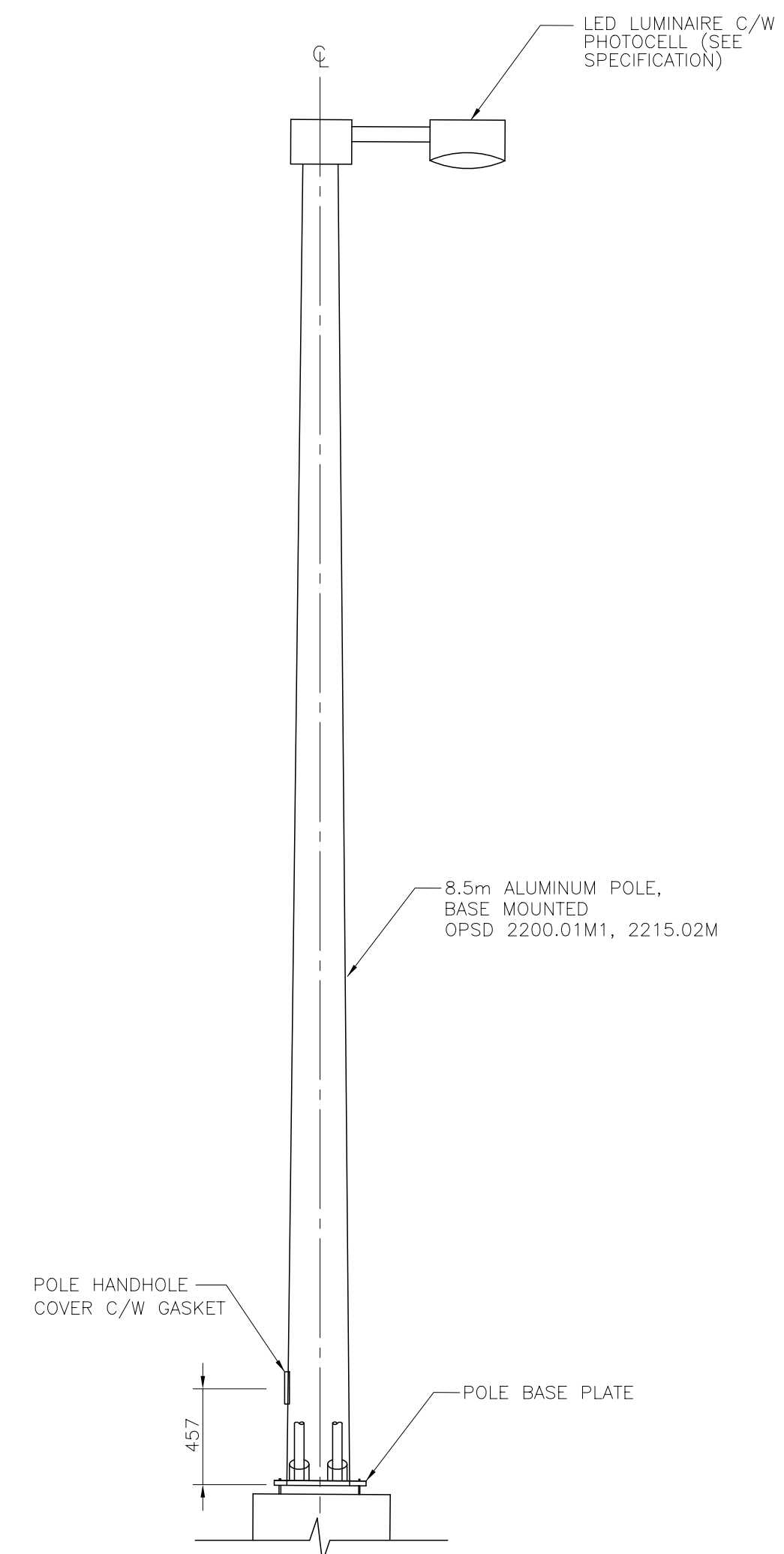
drawing **ILLUMINATION REMOVALS** dessin

ILLUMINATION REMOVALS

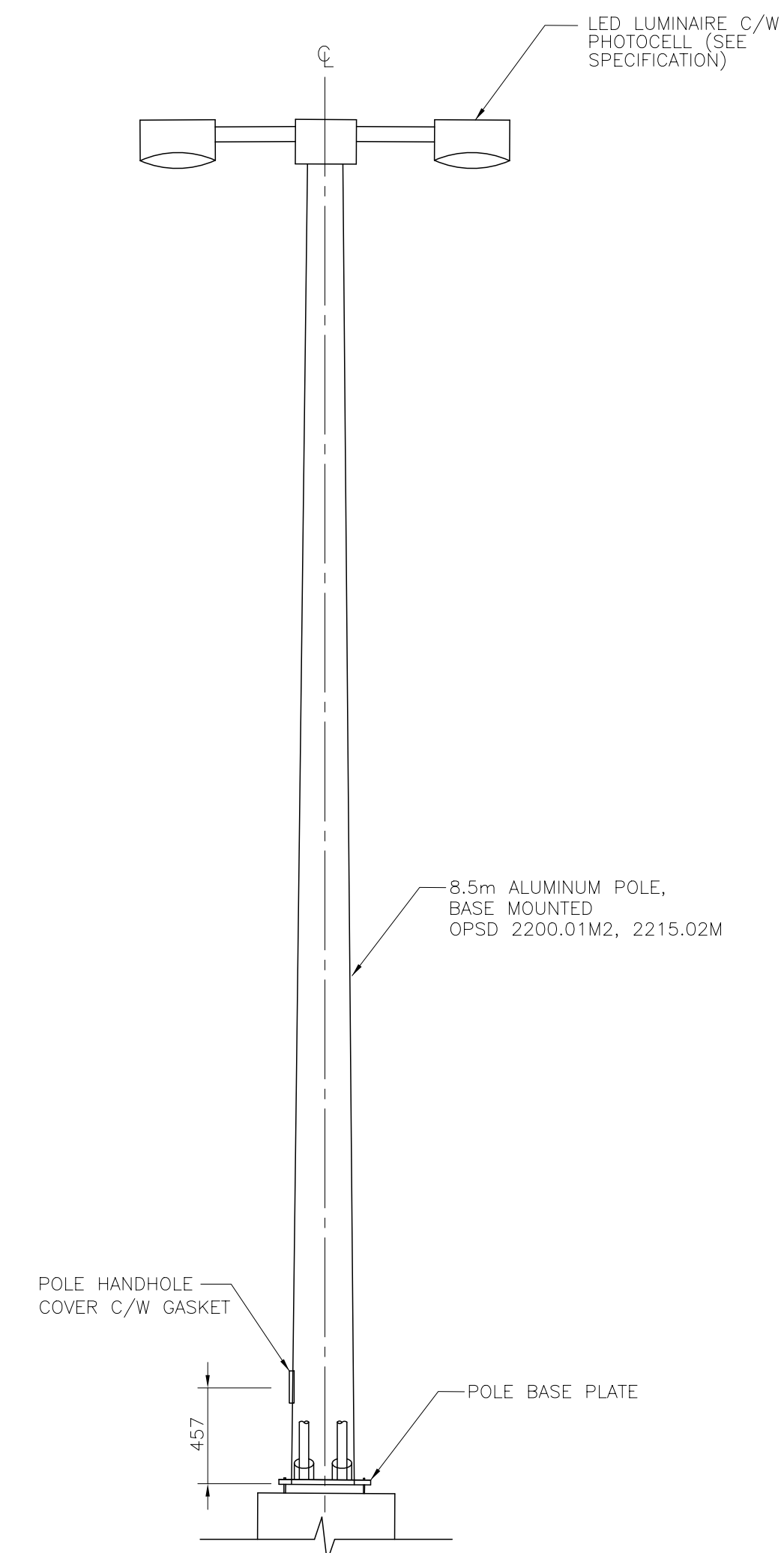
designed	conçu	date	date
SP.W.		JUNE 2015	
drawn	dessiné	scale	échelle
K.G.M.		FULL SIZE 1:500	HALF SIZE 1:1000
checked	vérifié	sheet	feuille
D.P.M.		E3 of/de	E5
approved	approuvé	W.O.no.	D.T.no.
SP.W.		A1-006954-01-01	
dwg.no.		dessin no.	
D-5058-R01			



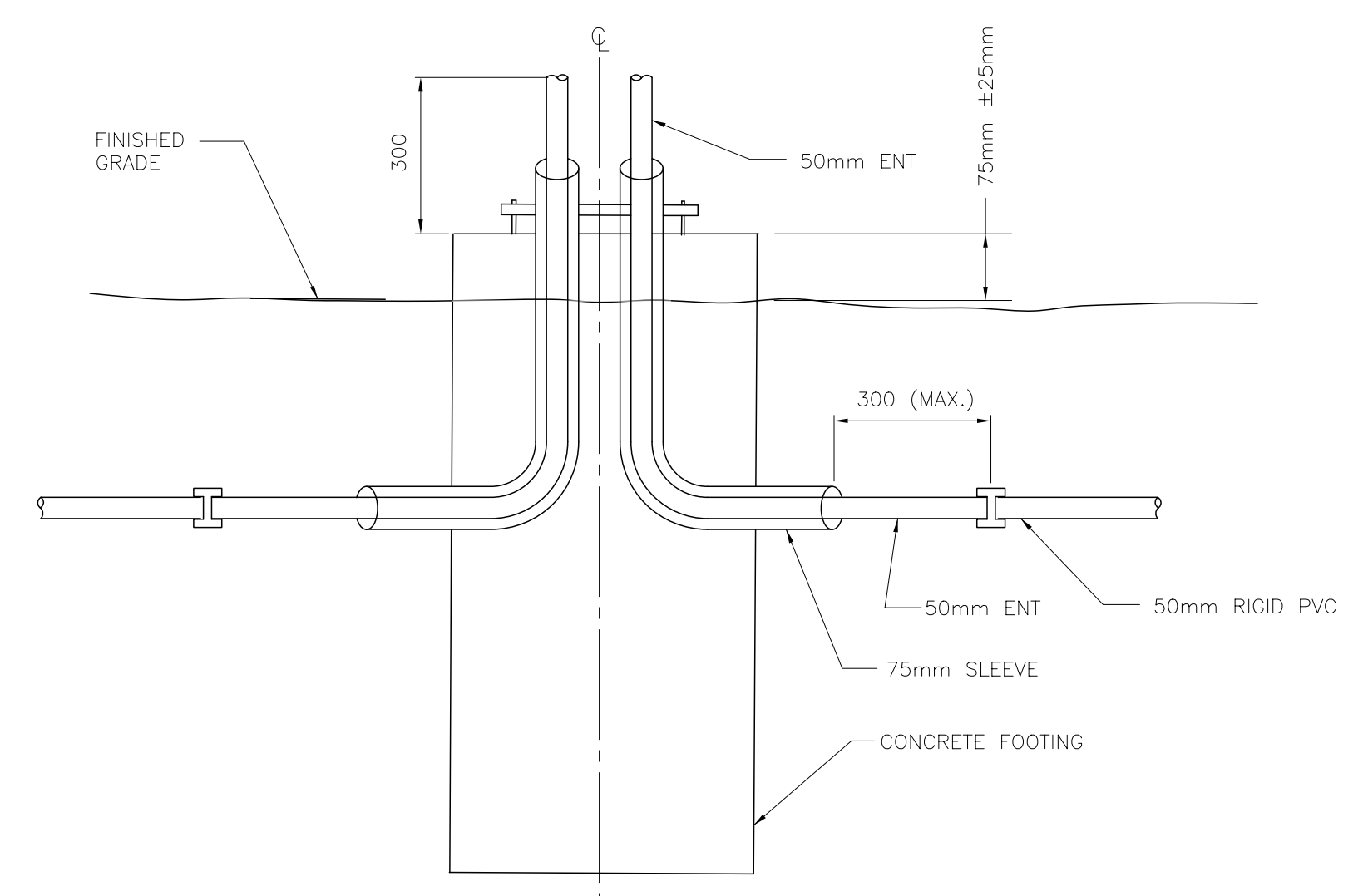
- LEGEND:**
- REMOVAL OF UNDERGROUND CABLE (ABANDON DUCT)
 - REMOVAL OF POLE, LUMINAIRE BRACKET AND FOUNDATION ASSEMBLY
 - REMOVAL OF TIMER AND CONTRACTOR FOR EXISTING LIGHTING CIRCUIT



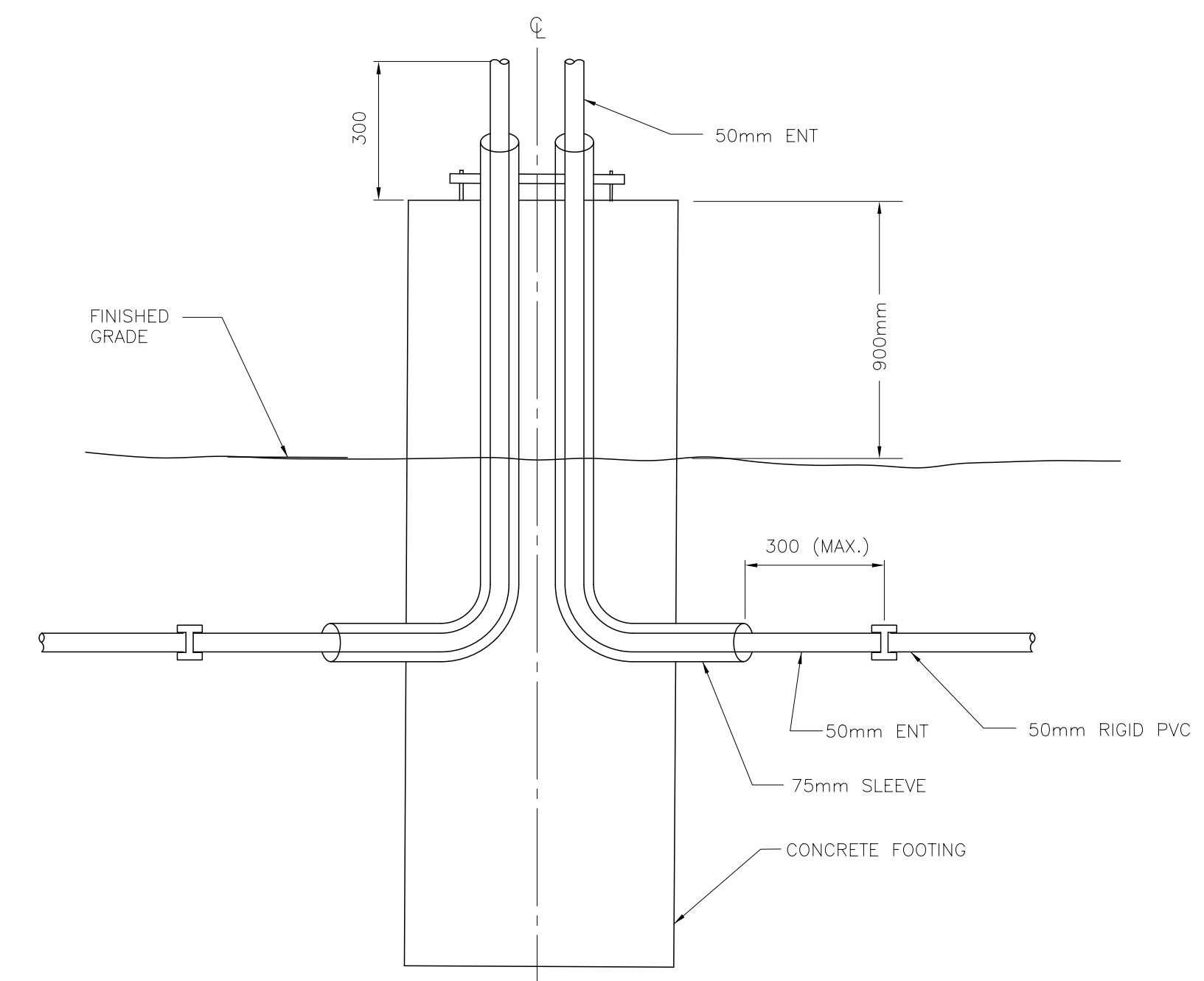
DETAIL A1 – BASE MOUNTED ILLUMINATION POLE
N.T.S.



DETAIL B1 – BASE MOUNTED ILLUMINATION POLE
N.T.S.

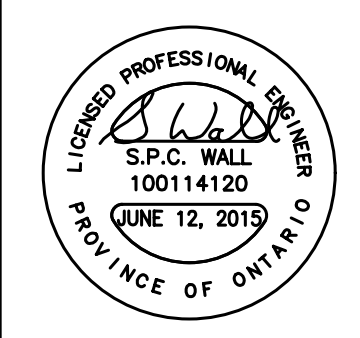


DETAIL A2 – CONDUIT CONNECTION AT POLE BASE (ROADWAY)
N.T.S.



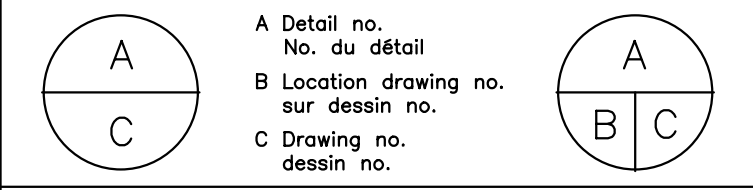
DETAIL B2 – CONDUIT CONNECTION AT POLE BASE PARKING LOT
N.T.S.

SCALE
N.T.S.



No.	Description	By	Date (dd/mm/yy)
0	ISSUED FOR TENDER	SPW	12/06/15

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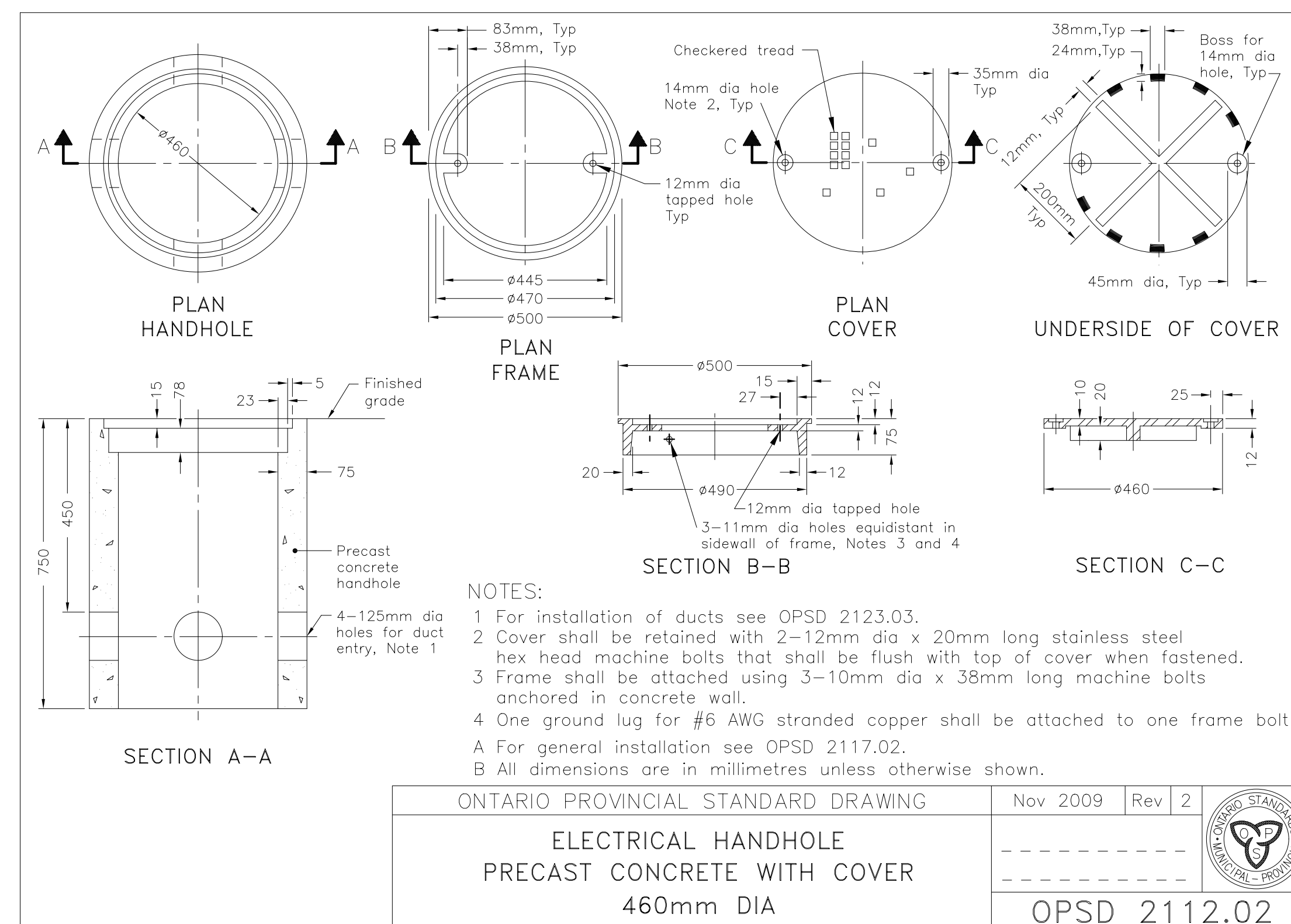
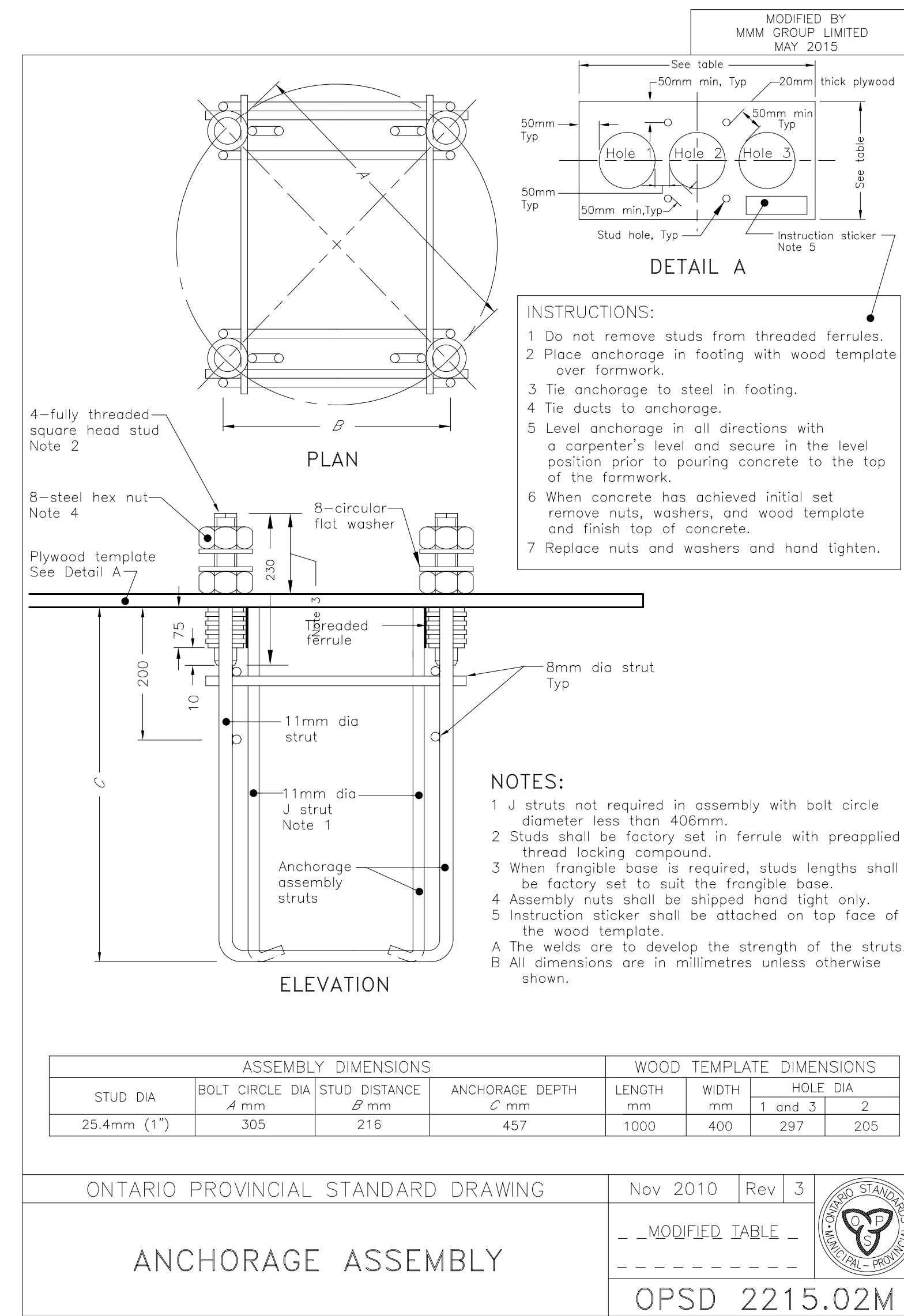
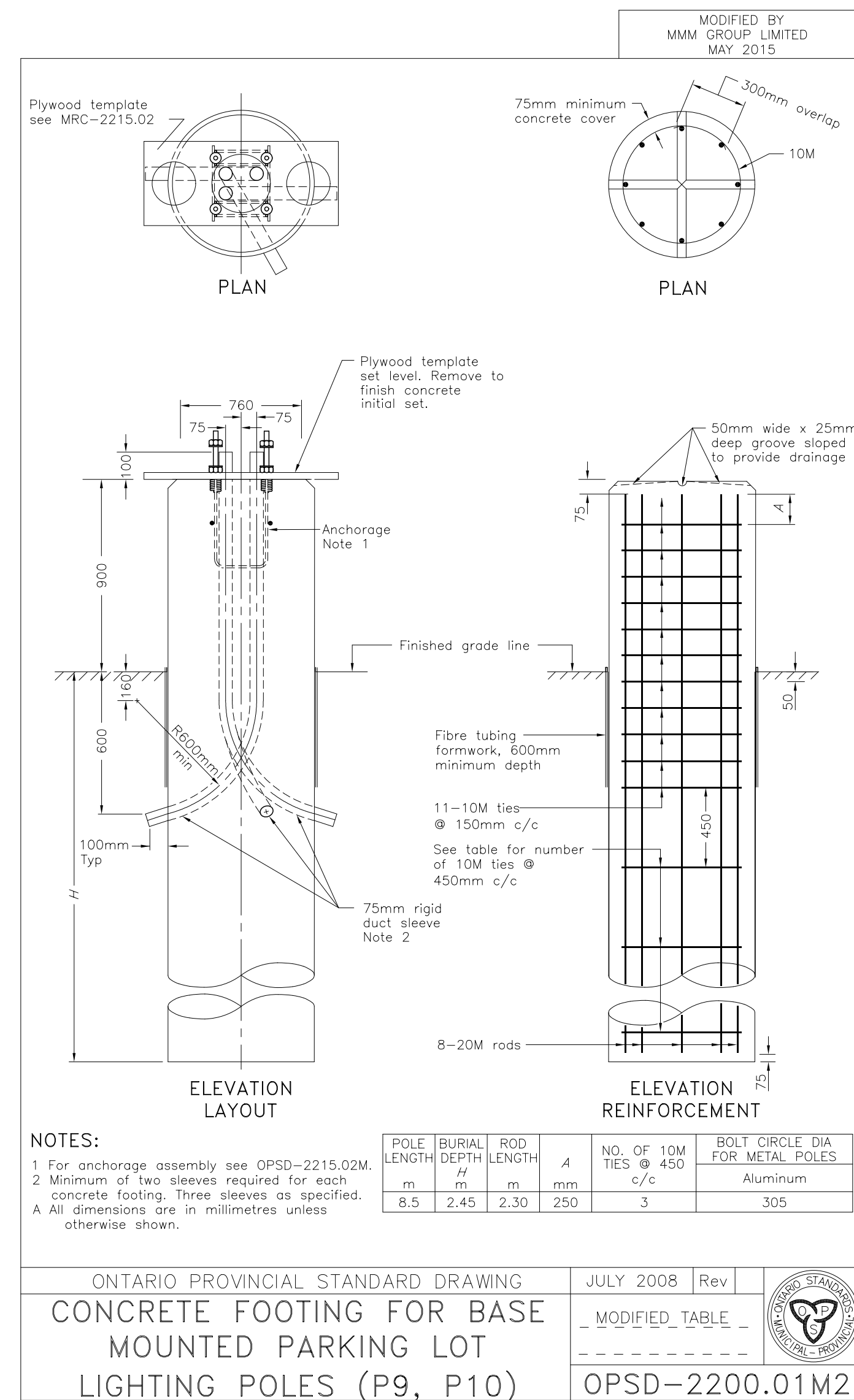
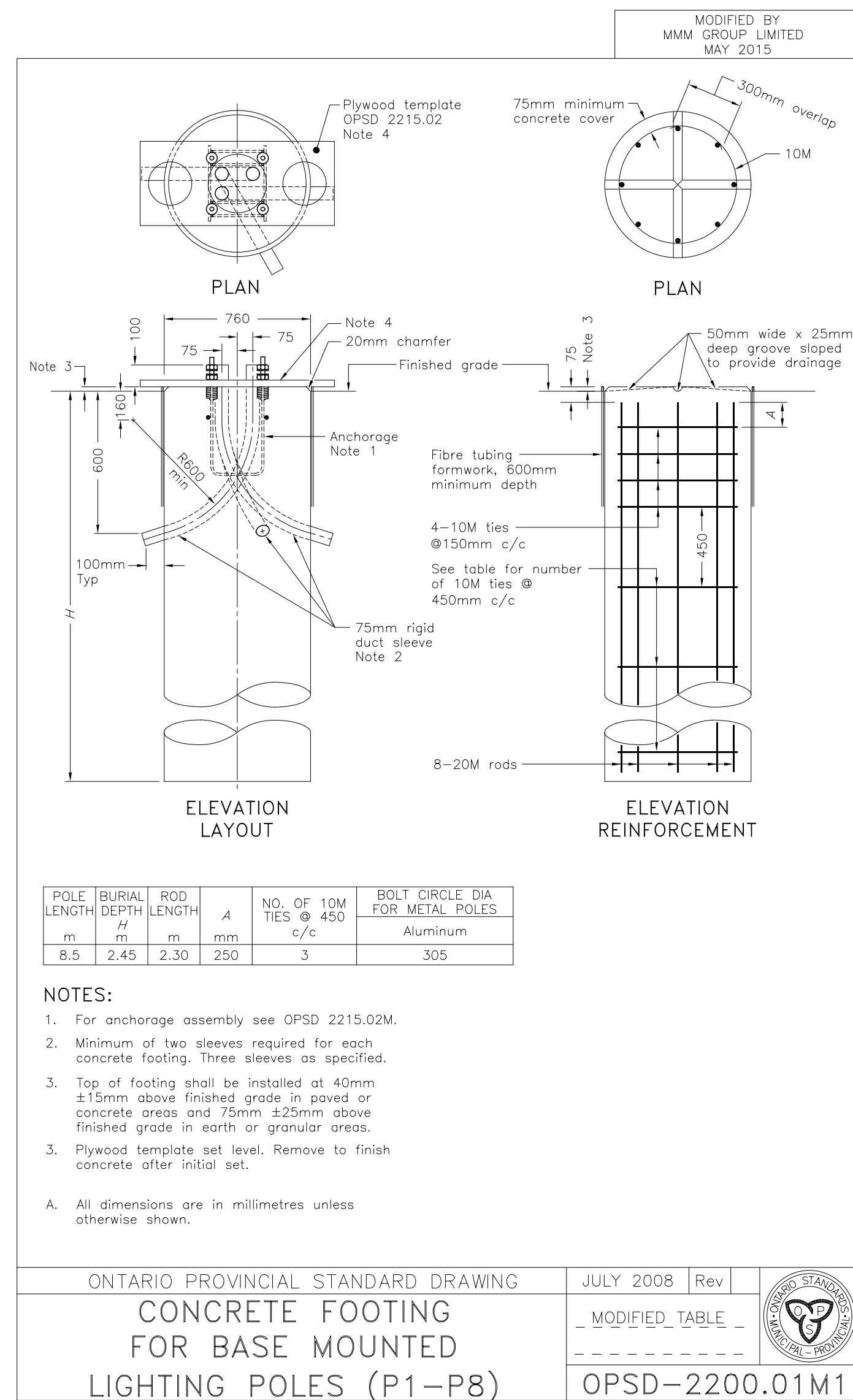


project
UPLANDS CAMPUS – LEVY STREET REHABILITATION
project

drawing
dessin

ILLUMINATION DETAILS

designed SP.W.	conçu JUNE 2015	date	date
drawn K.G.M.	dessiné	scale N.T.S.	échelle
checked D.P.M.	vérifié	sheet E4	feuille E5
approved SP.W.	approuvé	W.O.no. A1-006954-01-01	D.T.no.
dwg.no. D-5058-D01	dessin no.		

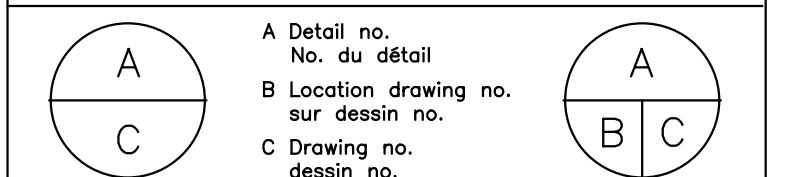


SCALE
N.T.S.



No.	Description	By	Date (dd/mm/yy)
0	ISSUED FOR TENDER	SPW	12/06/15

- Verify all dimensions and site conditions and be responsible for same
- Vérifier toutes les dimensions et l'état des lieux et en assumer la responsabilité



project UPLANDS CAMPUS - LEVY STREET REHABILITATION projet

drawing ILLUMINATION STANDARDS dessin

designed SP.W. conçu date JUNE 2015 date
drawn K.G.M. dessiné scale N.T.S. échelle
checked D.P.M. vérifié sheet E5 of/de feuille
approved SP.W. approuvé W.O.no. A1-006954-01-01 D.T.no.
dwg.no. D-5058-D02 dessin no.