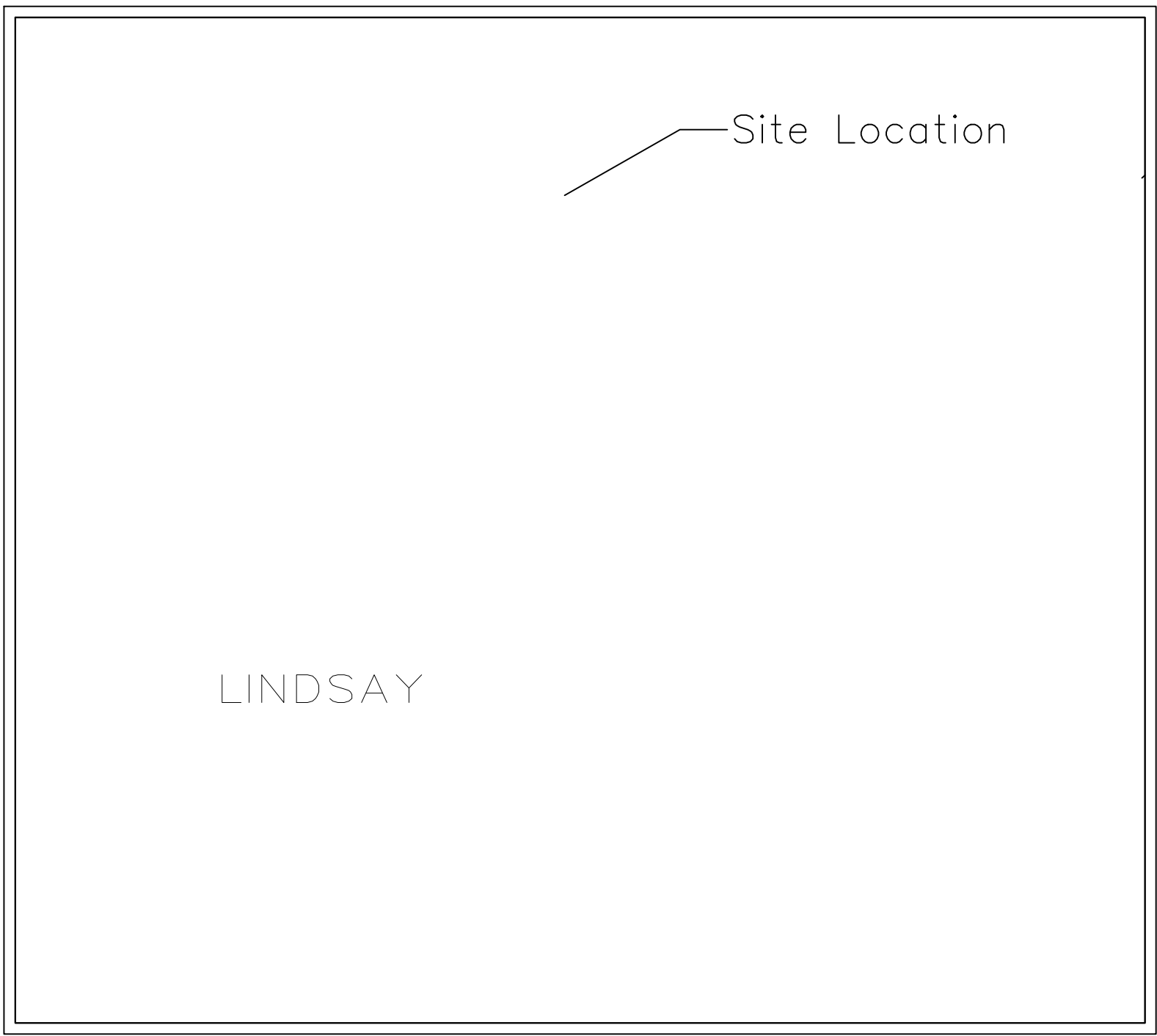


C: \SDSK\PROJ\29179\dwg\Kawartha.tif

ANGELINE STREET NORTH RECONSTRUCTION
Jennings Creek to Thunder Bridge Road
LINDSAY

TENDER No.

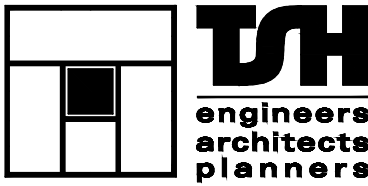


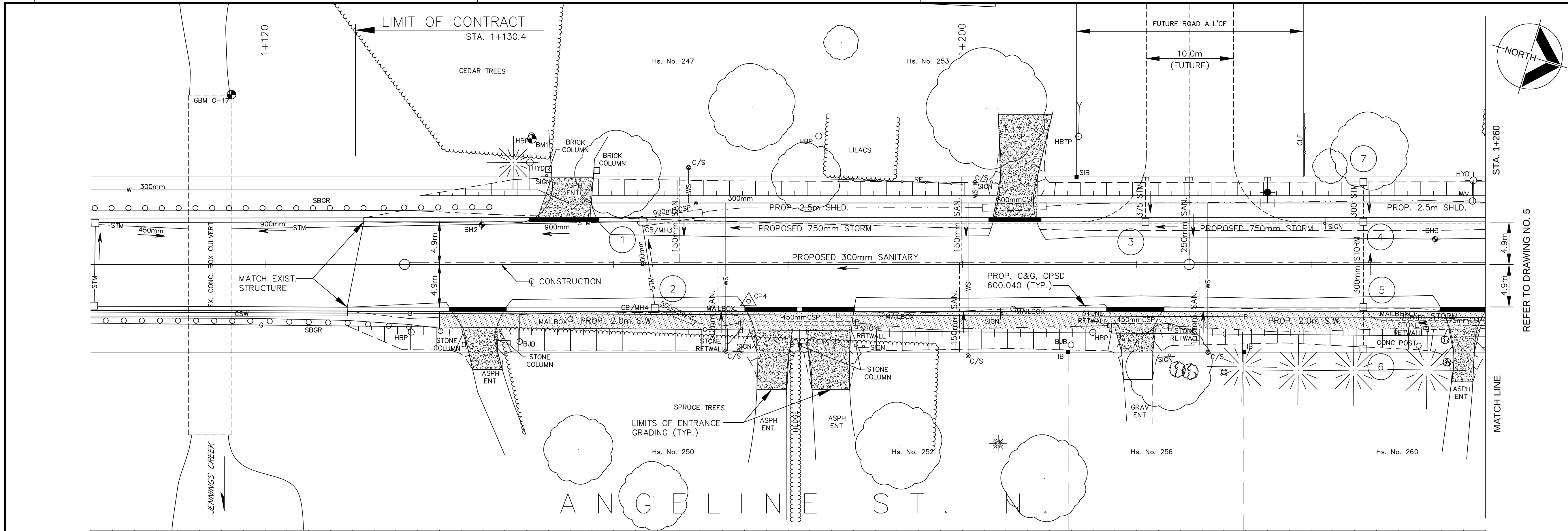
KEY PLAN

N.T.S.

LIST OF DRAWINGS

- - TITLE SHEET
- 1 - EXISTING CONDITIONS AND REMOVALS - STA. 1+100 TO STA. 1+260
- 2 - NEW CONSTRUCTION AND STORM SEWERS - STA. 1+100 TO STA. 1+260
- 3 - SANITARY SEWER AND WATERMAIN CONSTRUCTION - STA. 1+100 TO STA. 1+260
- 4 - EXISTING CONDITIONS AND REMOVALS - STA. 1+260 TO STA. 1+420
- 5 - NEW CONSTRUCTION AND STORM SEWERS - STA. 1+260 TO STA. 1+420
- 6 - SANITARY SEWER AND WATERMAIN CONSTRUCTION - STA. 1+260 TO STA. 1+420
- 7 - EXISTING CONDITIONS AND REMOVALS - STA. 1+420 TO STA. 1+580
- 8 - NEW CONSTRUCTION AND STORM SEWERS - STA. 1+420 TO STA. 1+580
- 9 - SANITARY SEWER AND WATERMAIN CONSTRUCTION - STA. 1+420 TO STA. 1+580
- 10 - EXISTING CONDITIONS AND REMOVALS - STA. 1+580 TO STA. 1+740
- 11 - NEW CONSTRUCTION AND STORM SEWERS - STA. 1+580 TO STA. 1+740
- 12 - SANITARY SEWER AND WATERMAIN CONSTRUCTION - STA. 1+580 TO STA. 1+740
- 13 - EXISTING CONDITIONS AND REMOVALS - STA. 1+740 TO STA. 1+900
- 14 - NEW CONSTRUCTION AND STORM SEWERS - STA. 1+740 TO STA. 1+900
- 15 - EXISTING CONDITIONS AND REMOVALS - STA. 1+900 TO STA. 2+060
- 16 - NEW CONSTRUCTION - STA. 1+900 TO STA. 2+060
- 17 - EXISTING CONDITIONS AND REMOVALS - STA. 2+060 TO STA. 2+220
- 18 - NEW CONSTRUCTION - STA. 2+060 TO STA. 2+220
- 19 - EXISTING CONDITIONS AND REMOVALS - STA. 10+000 TO STA. 10+160
- 20 - NEW CONSTRUCTION - STA. 10+000 TO STA. 10+160
- 21 - SEWER TABLES AND TYPICAL SECTIONS





LEGEND

- STM. EXISTING STORM SEWER
- SAN. EXISTING SANITARY SEWER
- WM. EXISTING WATERMAIN
- G. EXISTING GAS MAIN
- B. EXISTING BURIED BELL CABLE
- CTV. EXISTING BURIED CTV CABLE
- H. EXISTING BURIED HYDRO CABLE
- 300mm PROPOSED STORM SEWER
- 300mm PROPOSED SANITARY SEWER
- 150mm PROPOSED SANITARY SERVICE
- 300mm PROPOSED WATERMAIN
- 19mm C/S PROPOSED WATER SERVICE
- PROPOSED CURB & GUTTER
- PROPOSED DROP CURB
- PROPOSED SIDEWALK
- PROPOSED ASPHALT PAVING

B.M. G-17 ELEV.262.722
TABLET IN TOP OF CONC. BOX CULVERT
AT JENNINGS CREEK/ANGELINE ST. N.
STA. 1+116.15, O/S 19.43m Lt.

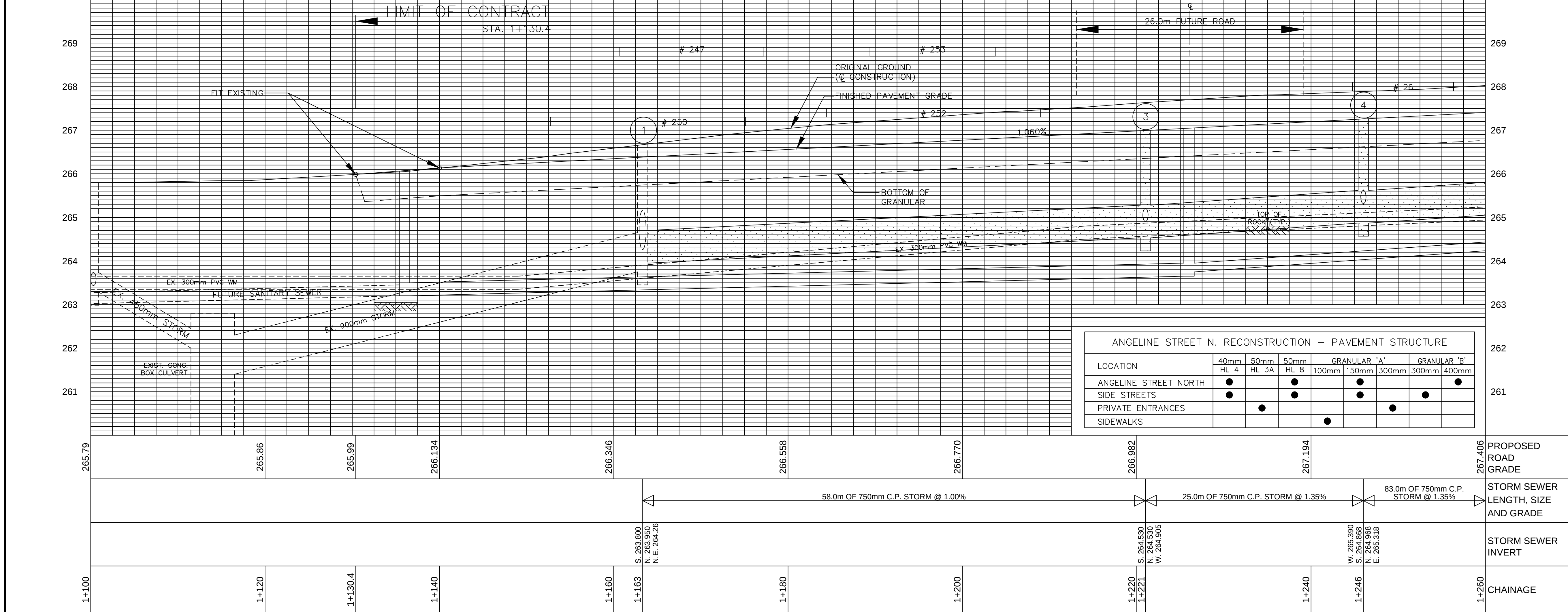
B.M. 1 ELEV.266.543
SPIKE & WASHERS IN EAST FACE OF
HBP, 1st POLE SOUTH OF Hs. #247
STA. 1+150.60, O/S 14.743m Lt.

NOTE:

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CLIENT:

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PROJECT:
ANGELINE STREET NORTH RECONSTRUCTION

Tender No.
LINDSAY

DRAWING:
NEW CONSTRUCTION AND STORM SEWERS

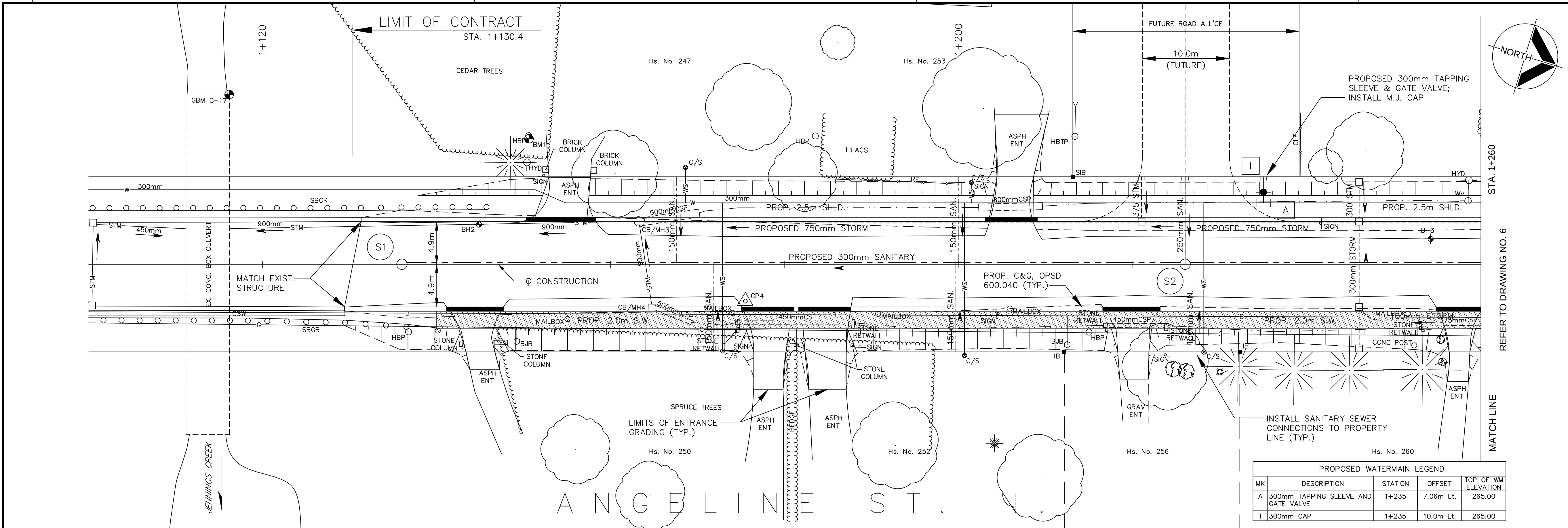
STA. 1+100 TO STA. 1+260

DRAWN BY:	CHECKED BY:	PROJECT No.:
J. BEAVAN	M. E. MOORE	12-29349

DESIGNED BY:	APPROVED BY:	DRAWING No.:
M. E. MOORE	W. WILCOX	

SCALE:	DATE:
HORZ. 1:500 VERT. 1:100	MARCH 2004

2



LEGEND

- STM. EXISTING STORM SEWER
- SAN. EXISTING SANITARY SEWER
- WM. EXISTING WATERMAIN
- G. EXISTING GAS MAIN
- B. EXISTING BURIED BELL CABLE
- CTV. EXISTING BURIED CTV CABLE
- H. EXISTING BURIED HYDRO CABLE
- 300mm. PROPOSED STORM SEWER
- 300mm. PROPOSED SANITARY SEWER
- 150mm. PROPOSED SANITARY SERVICE
- 300mm. PROPOSED WATERMAIN
- 19mm C/S. PROPOSED WATER SERVICE
- PROPOSED CURB & GUTTER
- PROPOSED DROP CURB
- PROPOSED SIDEWALK

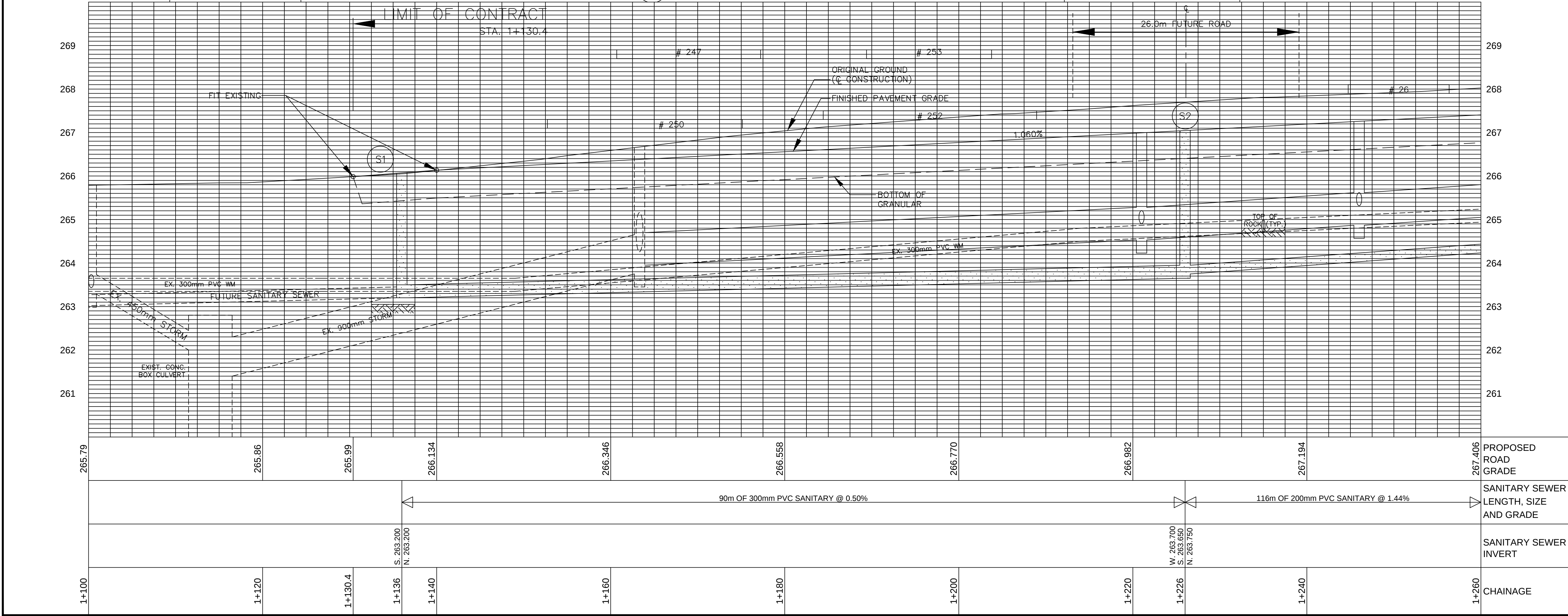
B.M. G-17 ELEV. 262.722
TABLET IN TOP OF CONC. BOX CULVERT
AT JENNINGS CREEK / ANGELINE ST. N.
STA. 1+116.15, O/S 19.49m Lt.

B.M. 1 ELEV. 266.543
SPIKE & WASHERS IN EAST FACE OF
HBP, 1st POLE SOUTH OF Hs. #247
STA. 1+150.60, O/S 14.743m Lt.

NOTE:
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No.	DATE	BY	ISSUES / REVISIONS



PROJECT:
ANGELINE STREET NORTH RECONSTRUCTION

Tender No.
LINDSAY

DRAWING:
SANITARY SEWER AND WATERMAIN CONSTRUCTION
STA. 1+100 TO STA. 1+260

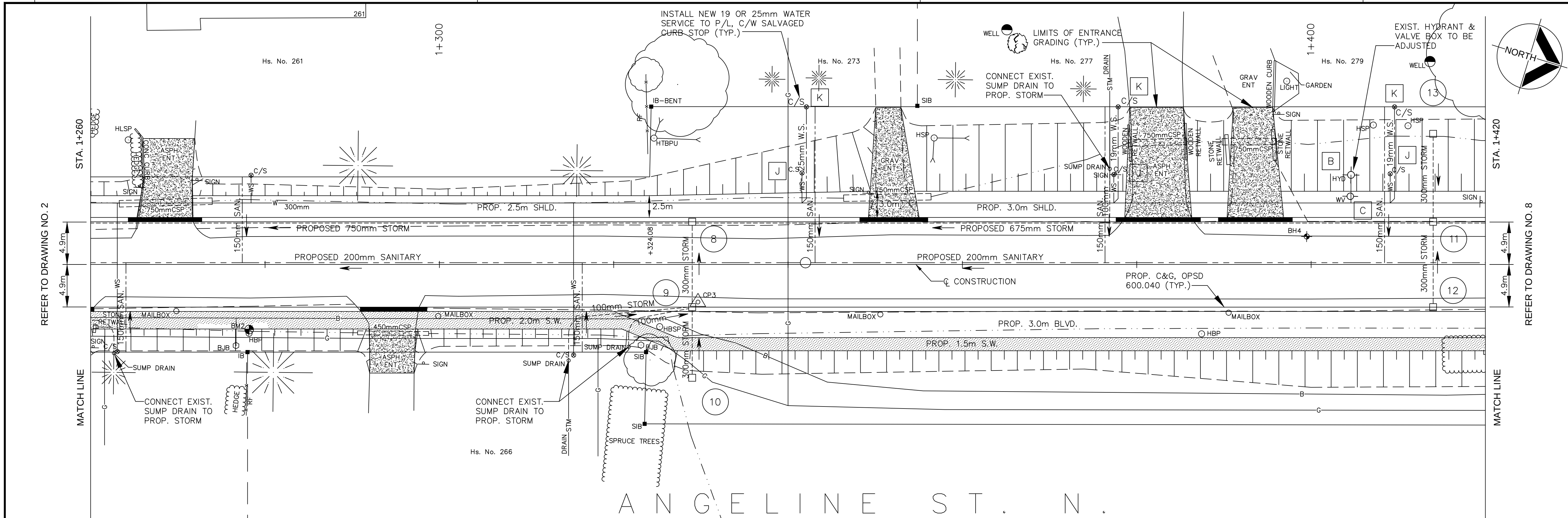
DRAWN BY:	CHECKED BY:	PROJECT No.:
J. BEAVAN	M. E. MOORE	12-29349

DESIGNED BY:	APPROVED BY:	DRAWING No.
M. E. MOORE	W. WILCOX	

SCALE: HORZ. 1:500
VERT. 1:100

DATE: MARCH 2004

3



LEGEND

- STM. EXISTING STORM SEWER
- SAN. EXISTING SANITARY SEWER
- WM. EXISTING WATERMAIN
- G. EXISTING GAS MAIN
- B. EXISTING BURIED BELL CABLE
- CTV. EXISTING BURIED CTV CABLE
- H. EXISTING BURIED HYDRO CABLE
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- 300mm PROPOSED SANITARY SEWER
- 150mm PROPOSED SANITARY SERVICE
- 300mm PROPOSED WATERMAIN
- 19mm C/S PROPOSED WATER SERVICE
- PROPOSED CURB & GUTTER
- PROPOSED DROP CURB
- PROPOSED SIDEWALK
- PROPOSED ASPHALT PAVING

B.M. 2 ELEV. 267.480
SPIKE IN WEST FACE OF HP ALONG
LOT LINE BTWN. Hs. #260 & 266
STA. 1+278.14, O/S 7.903m Rt.

NOTE:
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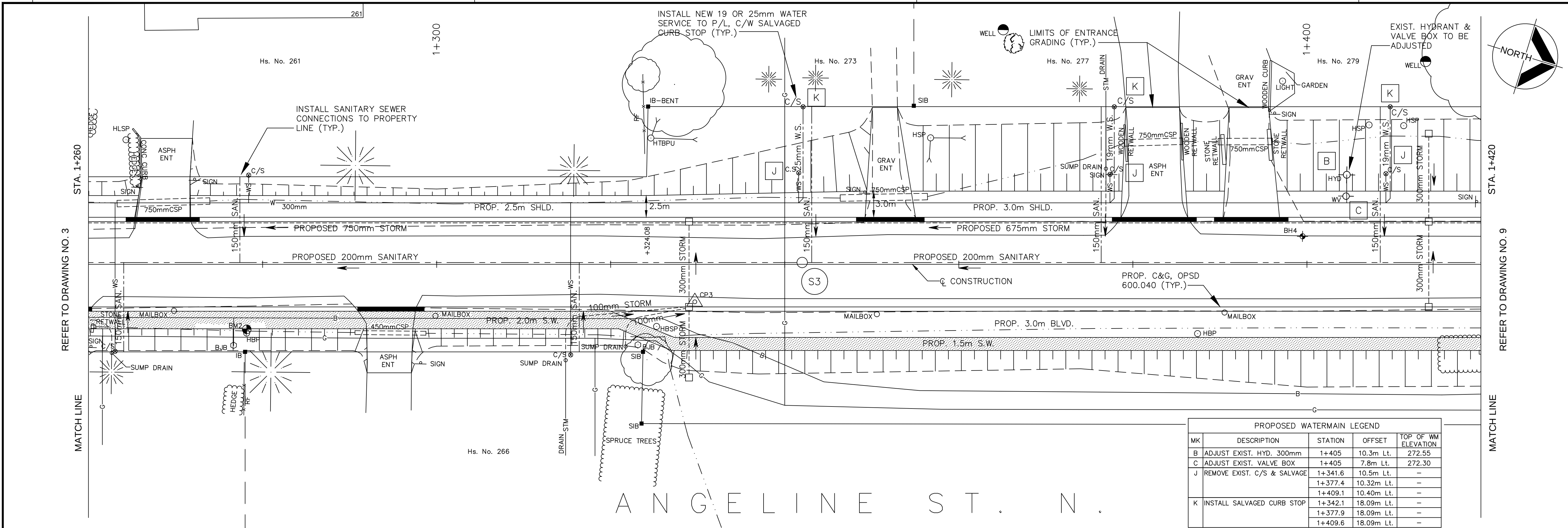
C:\Land Projects R2\29349\dwg\Kawartha.tif

PROJECT:
**ANGELINE STREET NORTH
RECONSTRUCTION**

Tender No.
LINDSAY

DRAWING:
**NEW CONSTRUCTION
AND STORM SEWERS**
STA. 1+260 TO STA. 1+420

DRAWN BY: J. BEAVAN	CHECKED BY: M. E. MOORE	PROJECT No.: 12-29349
DESIGNED BY: M. E. MOORE	APPROVED BY: W. WILCOX	DRAWING No.
SCALE: HORZ. 1:500 VERT. 1:100	DATE: MARCH 2004	



LEGEND

- STM. EXISTING STORM SEWER
- SAN. EXISTING SANITARY SEWER
- WM. EXISTING WATERMAIN
- G. EXISTING GAS MAIN
- B. EXISTING BURIED BELL CABLE
- CTV. EXISTING BURIED CTV CABLE
- H. EXISTING BURIED HYDRO CABLE
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- 150mm PROPOSED SANITARY SERVICE
- 300mm PROPOSED WATERMAIN
- 19mm C/S PROPOSED WATER SERVICE
- PROPOSED CURB & GUTTER
- PROPOSED DROP CURB
- PROPOSED SIDEWALK

B.M. 2 ELEV. 267.480

SPIKE IN WEST FACE OF HP ALONG LOT LINE BTWN. Hs. #260 & 266

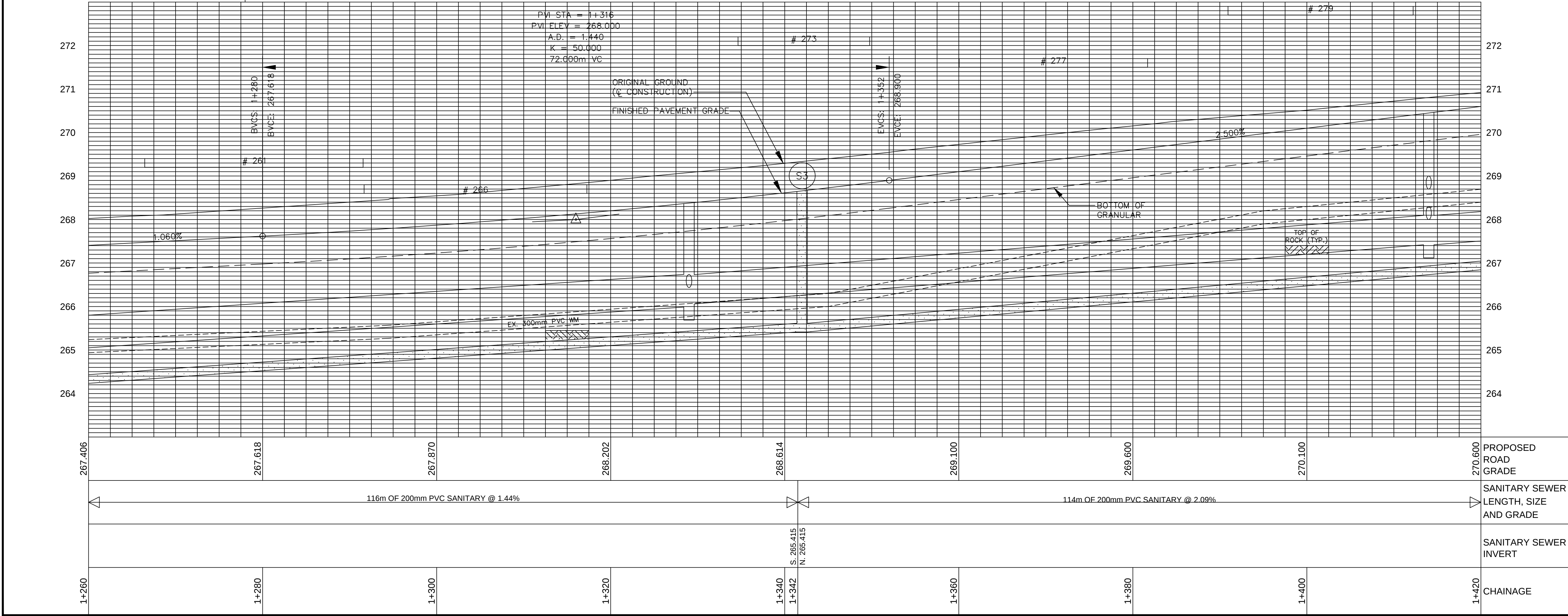
STA. 1+278.14, O/S 7.903m Rt.

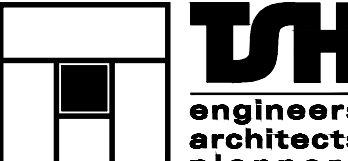
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CLIENT:

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PROJECT:

ANGELINE STREET NORTH RECONSTRUCTION

Tender No.

LINDSAY

DRAWING:

SANITARY SEWER AND WATERMAIN CONSTRUCTION

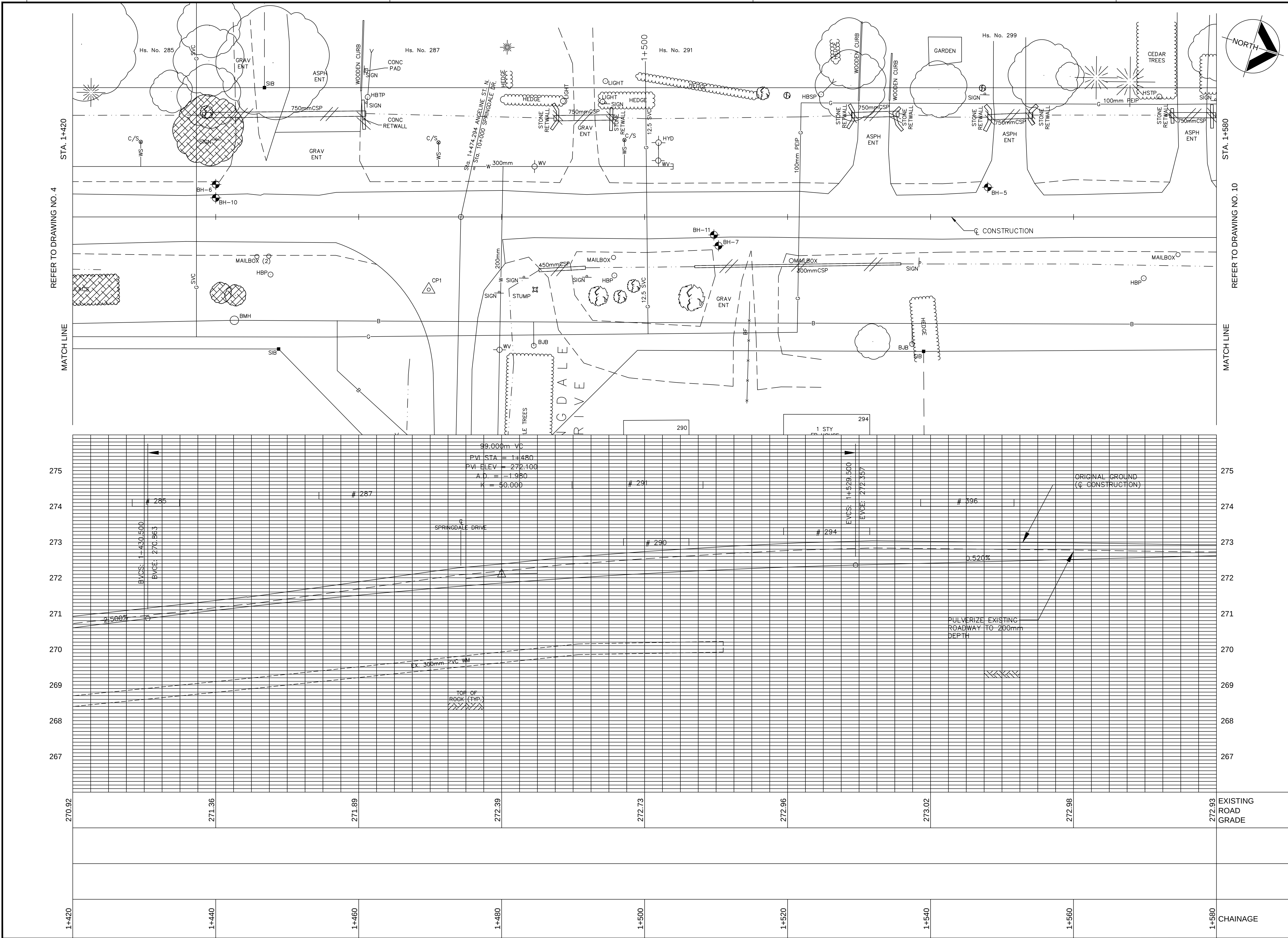
STA. 1+260 TO STA. 1+420

DRAWN BY:	CHECKED BY:	PROJECT No.:
J. BEAVAN	M. E. MOORE	12-29349

DESIGNED BY:	APPROVED BY:	DRAWING No.
M. E. MOORE	W. WILCOX	

SCALE:	DATE:
HORZ. 1:500 VERT. 1:100	MARCH 2004

6



LEGEND

- STM. EXISTING STORM SEWER
- SAN. EXISTING SANITARY SEWER
- WM. EXISTING WATERMAIN
- G. EXISTING GAS MAIN
- B. EXISTING BURIED BELL CABLE
- CTV. EXISTING BURIED CTV CABLE
- H. EXISTING BURIED HYDRO CABLE
- REMOVE EXISTING
- CB. REMOVE EXISTING STRUCTURE
- CLEARING AND GRUBBING
- REMOVE SIDEWALK
- GROUND ELEVATION AT HOUSE, LEFT
- GROUND ELEVATION AT HOUSE, RIGHT

NOTE:

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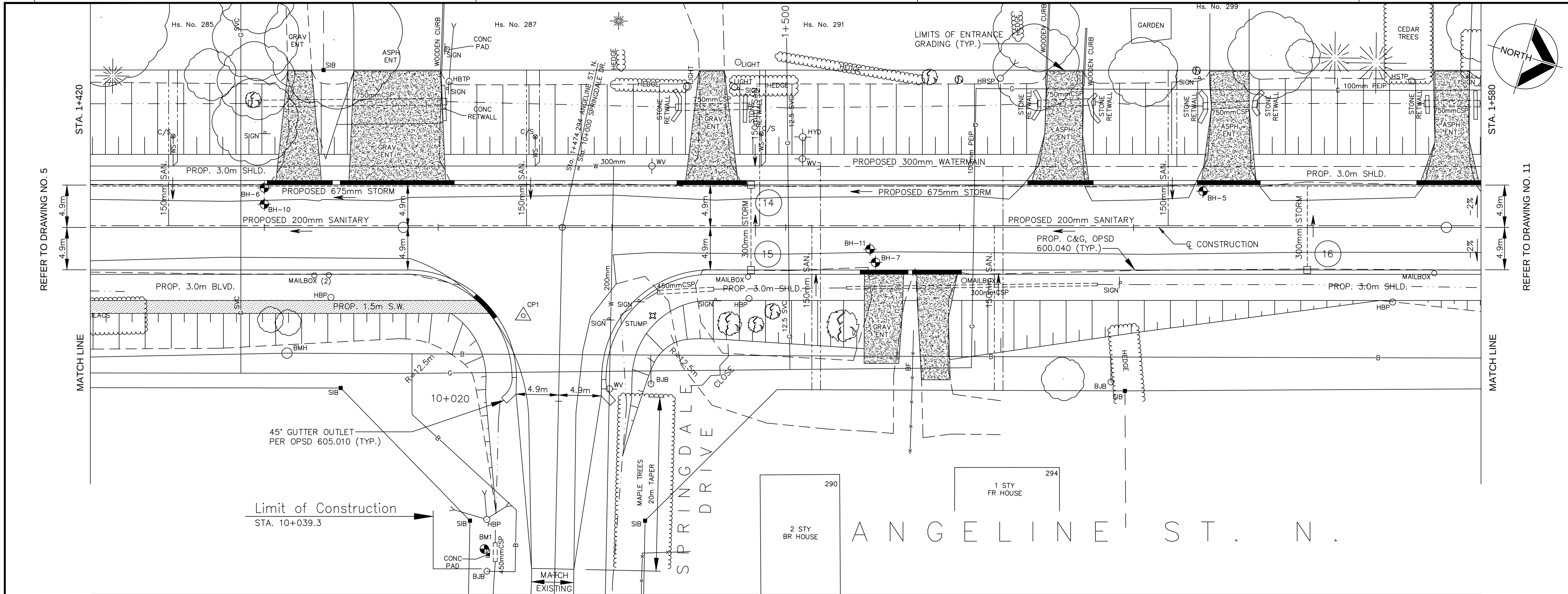
CLIENT:

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PROJECT:
ANGELINE STREET NORTH RECONSTRUCTION
Tender No.
LINDSAY

DRAWING:
EXISTING CONDITIONS AND REMOVALS
STA. 1+420 TO STA. 1+580

DRAWN BY:	CHECKED BY:	PROJECT No.:
J. BEAVAN	M. E. MOORE	12-29349
DESIGNED BY:	APPROVED BY:	DRAWING No.:
M. E. MOORE	W. WILCOX	
SCALE:	DATE:	7
HORZ. 1:500 VERT. 1:100	MARCH 2004	



LEGEND

- STM. EXISTING STORM SEWER
- SAN. EXISTING SANITARY SEWER
- WM. EXISTING WATERMAIN
- G. EXISTING GAS MAIN
- B. EXISTING BURIED BELL CABLE
- CTV. EXISTING BURIED CTV CABLE
- H. EXISTING BURIED HYDRO CABLE
- 300mm PROPOSED STORM SEWER
- 300mm PROPOSED SANITARY SEWER
- 150mm PROPOSED SANITARY SERVICE
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- PROPOSED CURB & GUTTER
- PROPOSED DROP CURB
- PROPOSED SIDEWALK
- PROPOSED ASPHALT PAVING

NOTE:

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PROJECT:

**ANGELINE STREET NORTH
RECONSTRUCTION**

Tender No.

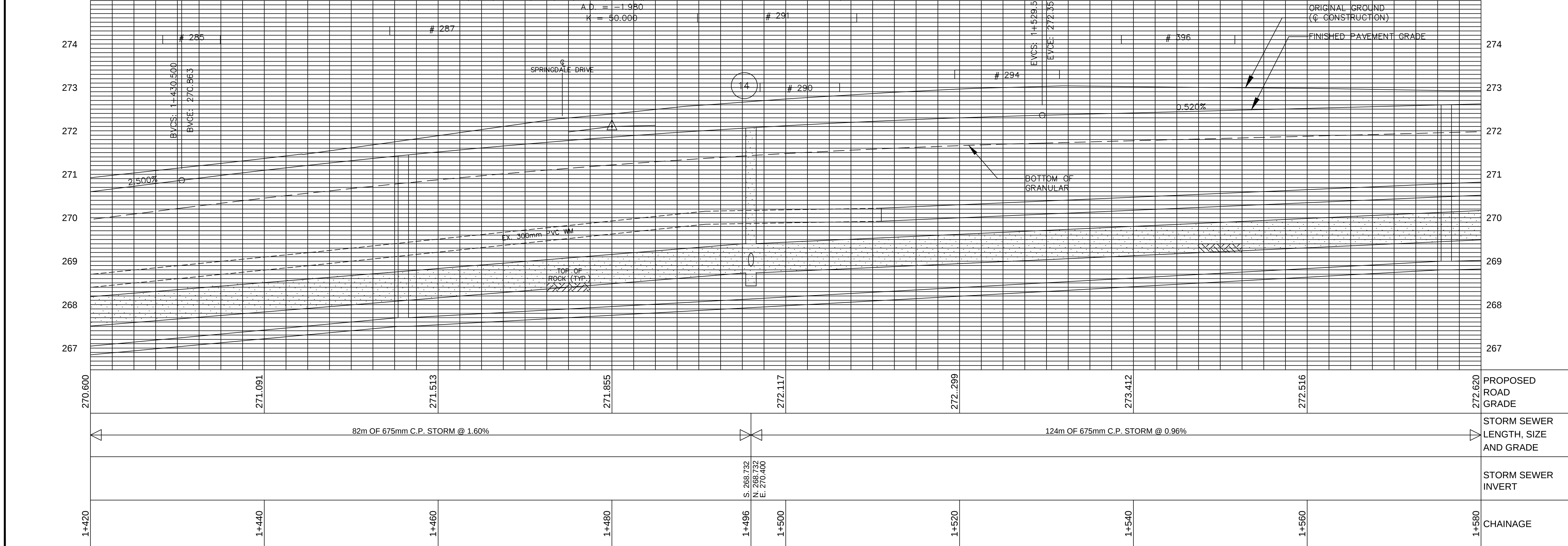
LINDSAY

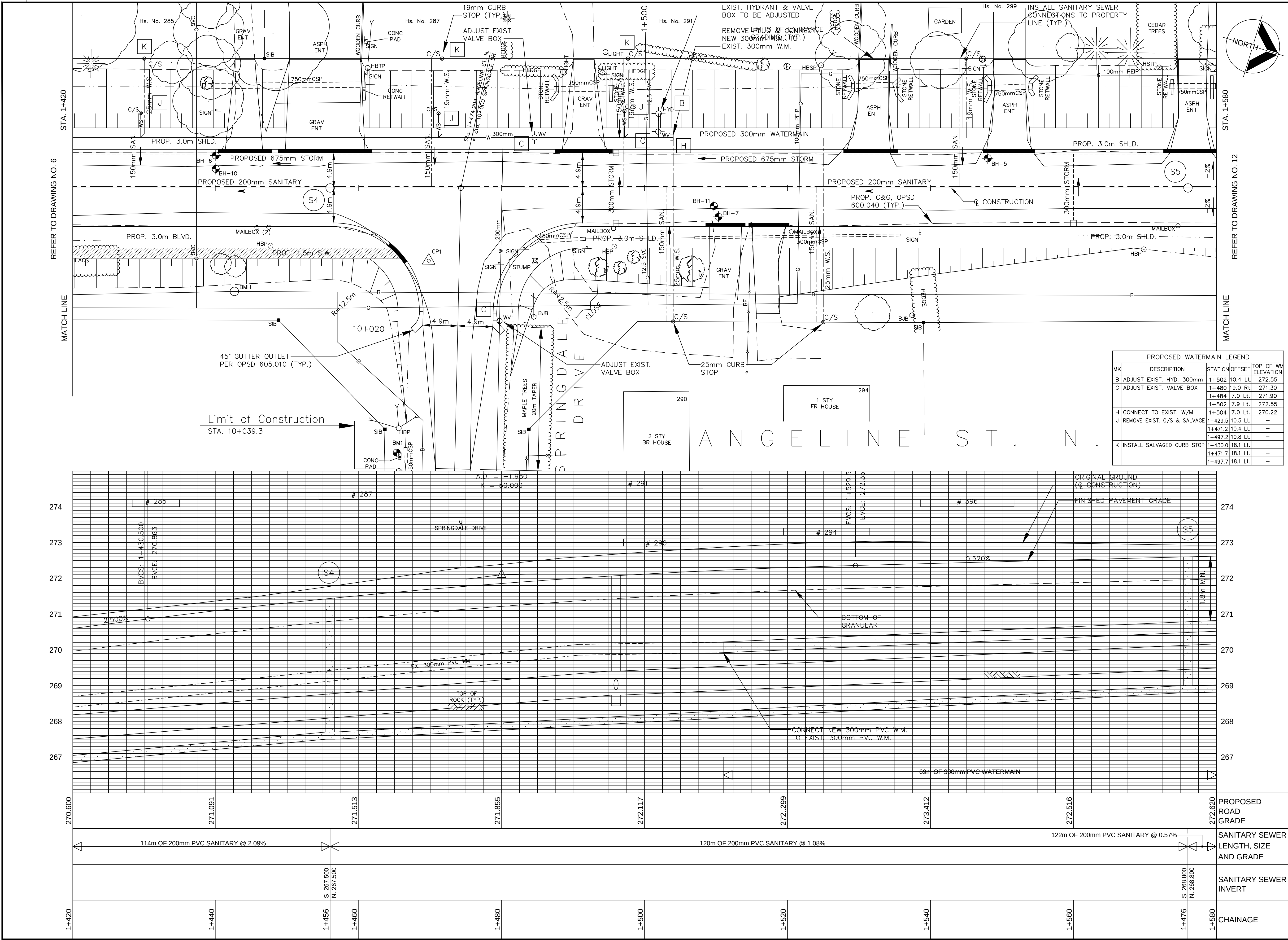
DRAWING:

**NEW CONSTRUCTION
AND STORM SEWERS**

STA. 1+420 TO STA. 1+580

DRAWN BY:	CHECKED BY:	PROJECT No.:
J. BEAVAN	M. E. MOORE	12-29349
DESIGNED BY:	APPROVED BY:	DRAWING No.:
M. E. MOORE	W. WILCOX	
SCALE:	DATE:	8
HORZ. 1:500 VERT. 1:100	MARCH 2004	





LEGEND

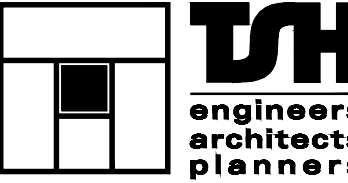
- STM. EXISTING STORM SEWER
- SAN. EXISTING SANITARY SEWER
- WM. EXISTING WATERMAIN
- G. EXISTING GAS MAIN
- B. EXISTING BURIED BELL CABLE
- CTV. EXISTING BURIED CTV CABLE
- H. EXISTING BURIED HYDRO CABLE
- 300mm PROPOSED STORM SEWER
- 300mm PROPOSED SANITARY SEWER
- 150mm PROPOSED SANITARY SERVICE
- 300mm PROPOSED WATERMAIN
- 19mm C/S PROPOSED WATER SERVICE
- PROPOSED CURB & GUTTER
- PROPOSED DROP CURB
- PROPOSED SIDEWALK

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CLIENT:

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PROJECT:

ANGELINE STREET NORTH RECONSTRUCTION

Tender No.

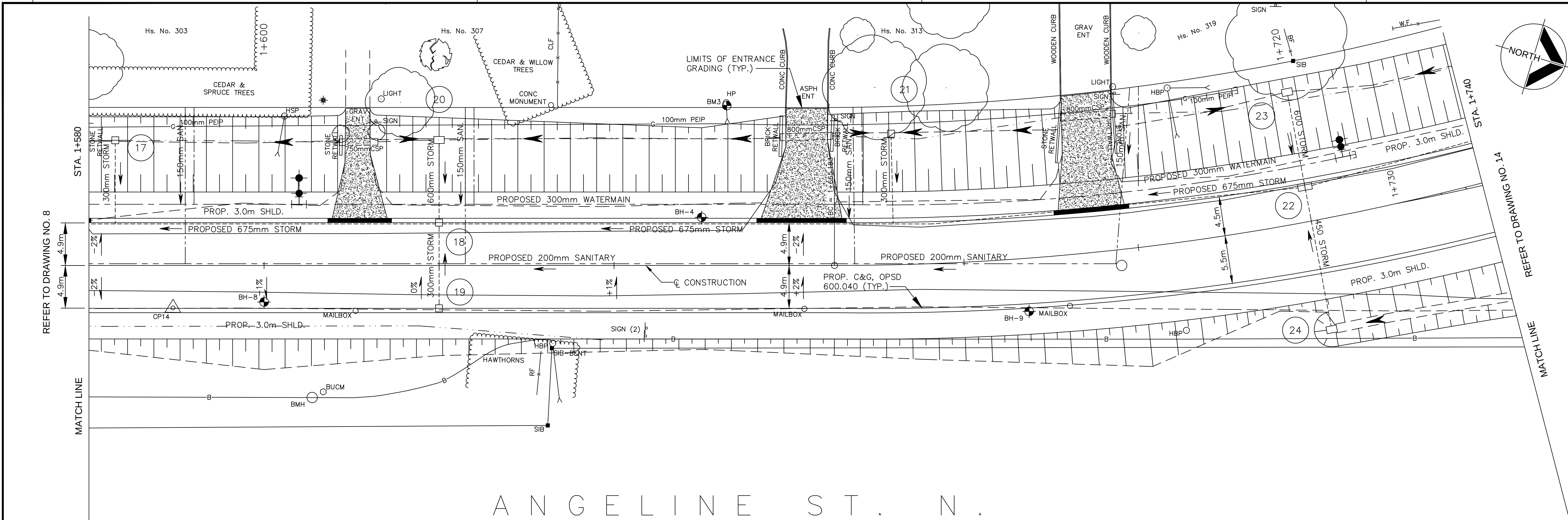
LINDSAY

DRAWING:

SANITARY SEWER AND WATERMAIN CONSTRUCTION

STA. 1+420 TO STA. 1+580

DRAWN BY:	CHECKED BY:	PROJECT No.:
J. BEAVAN	M. E. MOORE	12-29349
DESIGNED BY:	APPROVED BY:	DRAWING No.:
M. E. MOORE	W. WILCOX	
SCALE:	DATE:	9
HORZ. 1:500 VERT. 1:100	MARCH 2004	



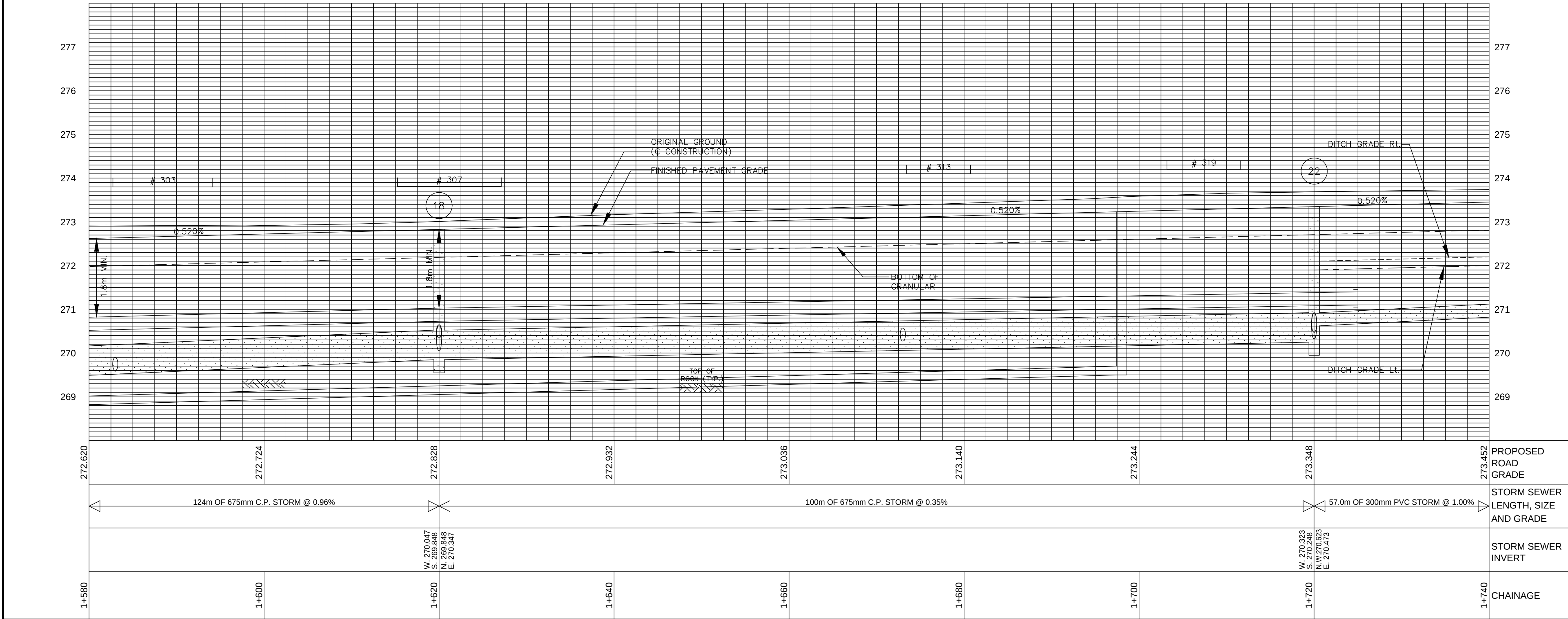
LEGEND

- STM: EXISTING STORM SEWER
- SAN: EXISTING SANITARY SEWER
- WM: EXISTING WATERMAIN
- G: EXISTING GAS MAIN
- B: EXISTING BURIED BELL CABLE
- CTV: EXISTING BURIED CTV CABLE
- H: EXISTING BURIED HYDRO CABLE
- 300mm: PROPOSED STORM SEWER
- 300mm: PROPOSED SANITARY SEWER
- 150mm: PROPOSED SANITARY SERVICE
- 300mm: PROPOSED WATERMAIN
- 19mm C/S: PROPOSED WATER SERVICE
- PROPOSED CURB & GUTTER
- PROPOSED DROP CURB
- PROPOSED SIDEWALK
- PROPOSED ASPHALT PAVING

B.M. 3 ELEV. 272.816
SPIKE & WASHERS IN EAST FACE OF
1st HP SOUTH OF DRWY. TO Hs. #313
STA. 1+652.83, O/S 18.621m Lt.

NOTE:
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No.	DATE	BY	ISSUES / REVISIONS

CLIENT:
C:\Land Projects R2\29349\dwg\Kawartha.tif

PROJECT:
ANGELINE STREET NORTH RECONSTRUCTION
Tender No. LINDSAY

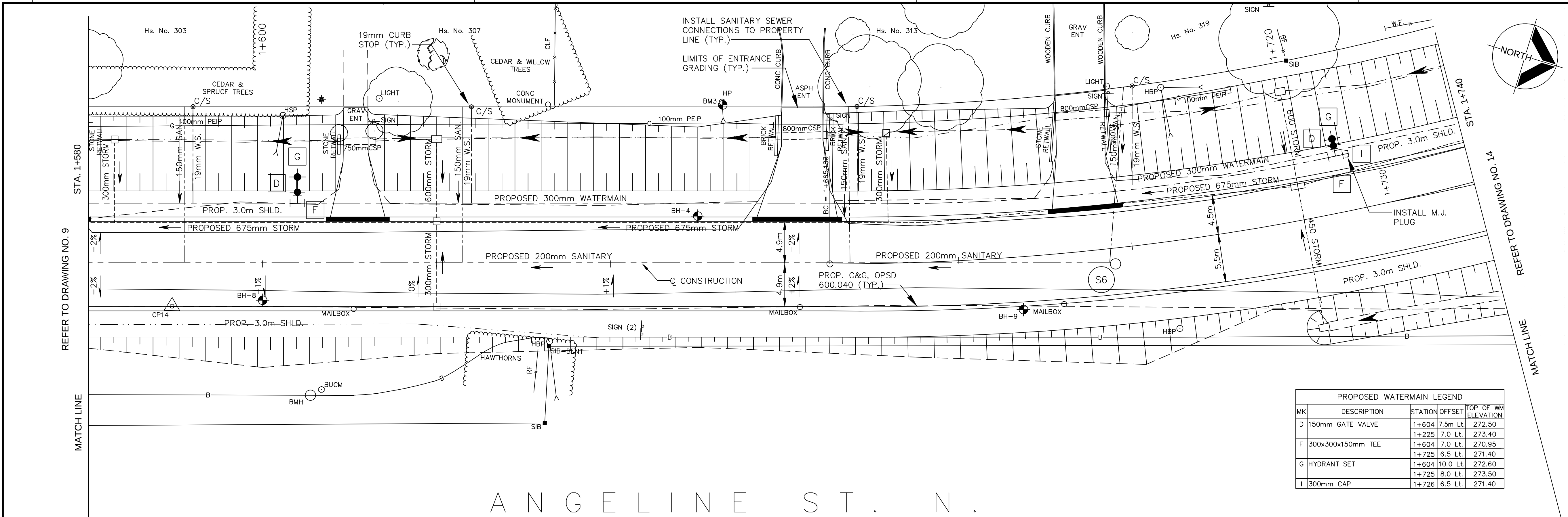
DRAWING:
NEW CONSTRUCTION AND STORM SEWERS
STA. 1+580 TO STA. 1+740

DRAWN BY:	CHECKED BY:	PROJECT No.:
J. BEAVAN	M. E. MOORE	12-29349

DESIGNED BY:	APPROVED BY:	DRAWING No.:
M. E. MOORE	W. WILCOX	11

SCALE:
HORZ. 1:500
VERT. 1:100

DATE:
MARCH 2004



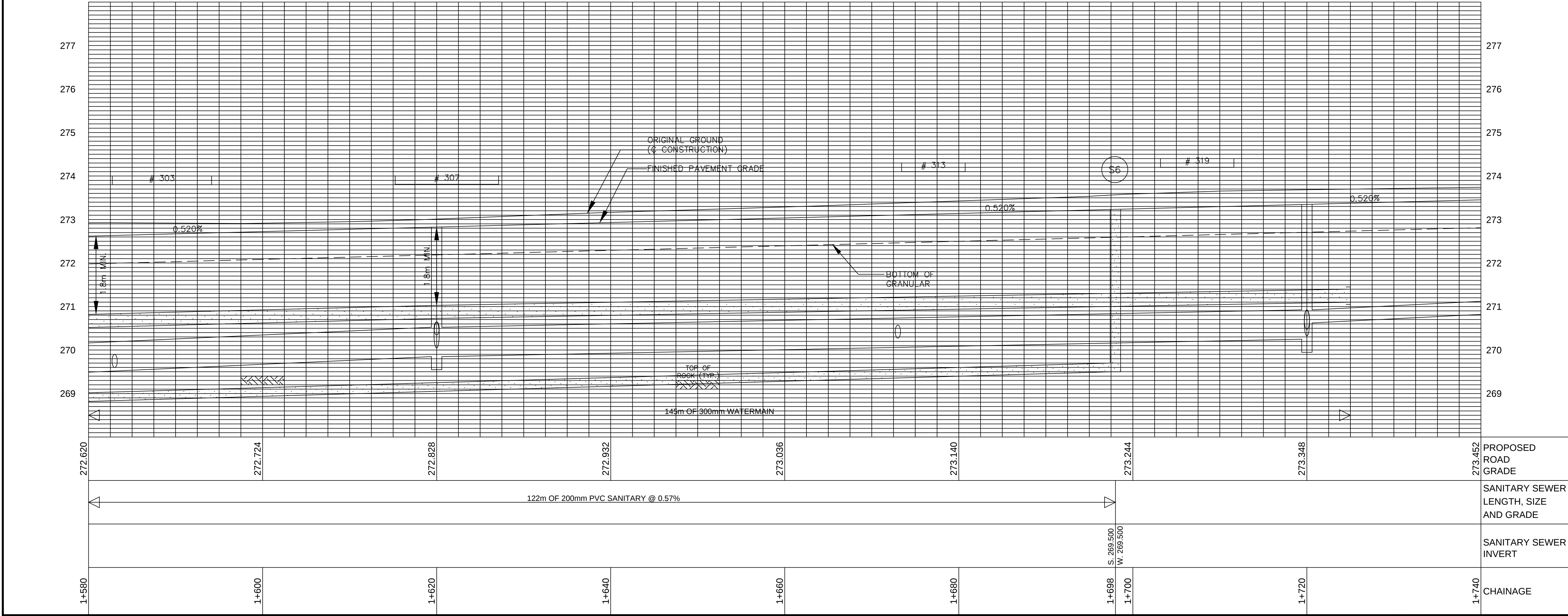
LEGEND

- STM, EXISTING STORM SEWER
- SAN, EXISTING SANITARY SEWER
- WM, EXISTING WATERMAIN
- G, EXISTING GAS MAIN
- B, EXISTING BURIED BELL CABLE
- CTV, EXISTING BURIED CTV CABLE
- H, EXISTING BURIED HYDRO CABLE
- 300mm, PROPOSED STORM SEWER
- 300mm, PROPOSED SANITARY SEWER
- 150mm, PROPOSED SANITARY SERVICE
- 300mm, PROPOSED WATERMAIN
- 19mm C/S, PROPOSED WATER SERVICE
- PROPOSED CURB & GUTTER
- PROPOSED DROP CURB
- PROPOSED SIDEWALK

B.M. 3 ELEV.272.816
SPIKE & WASHERS IN EAST FACE OF
1st HP SOUTH OF DRWY. TO Hs. #313
STA. 1+652.83, O/S 18.621m LT.

NOTE:
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NO.	DATE	BY	ISSUES / REVISIONS



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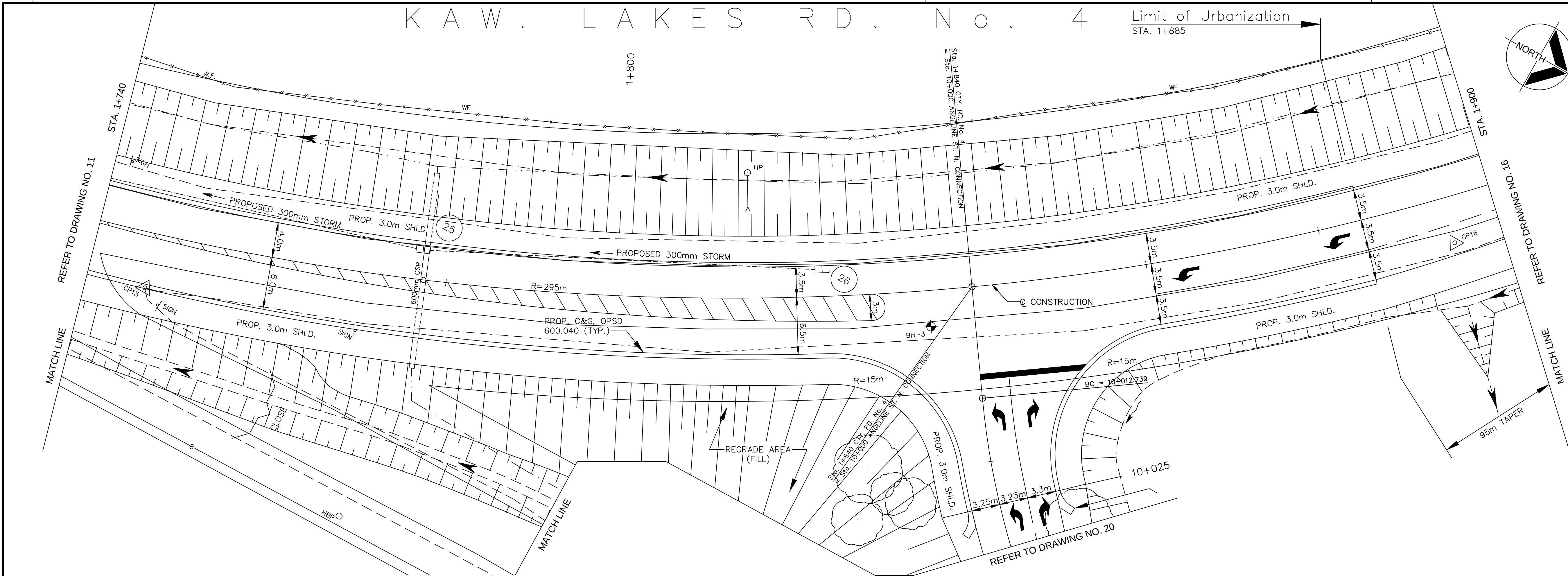
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PROJECT:
ANGELINE STREET NORTH RECONSTRUCTION
Tender No.
LINDSAY

DRAWING:
SANITARY SEWER AND WATERMAIN CONSTRUCTION
STA. 1+580 TO STA. 1+740

DRAWN BY:	CHECKED BY:	PROJECT No.:
J. BEAVAN	M. E. MOORE	12-29349
DESIGNED BY:	APPROVED BY:	DRAWING No.
M. E. MOORE	W. WILCOX	12

SCALE:	DATE:
HORZ. 1:500 VERT. 1:100	MARCH 2004



LEGEND

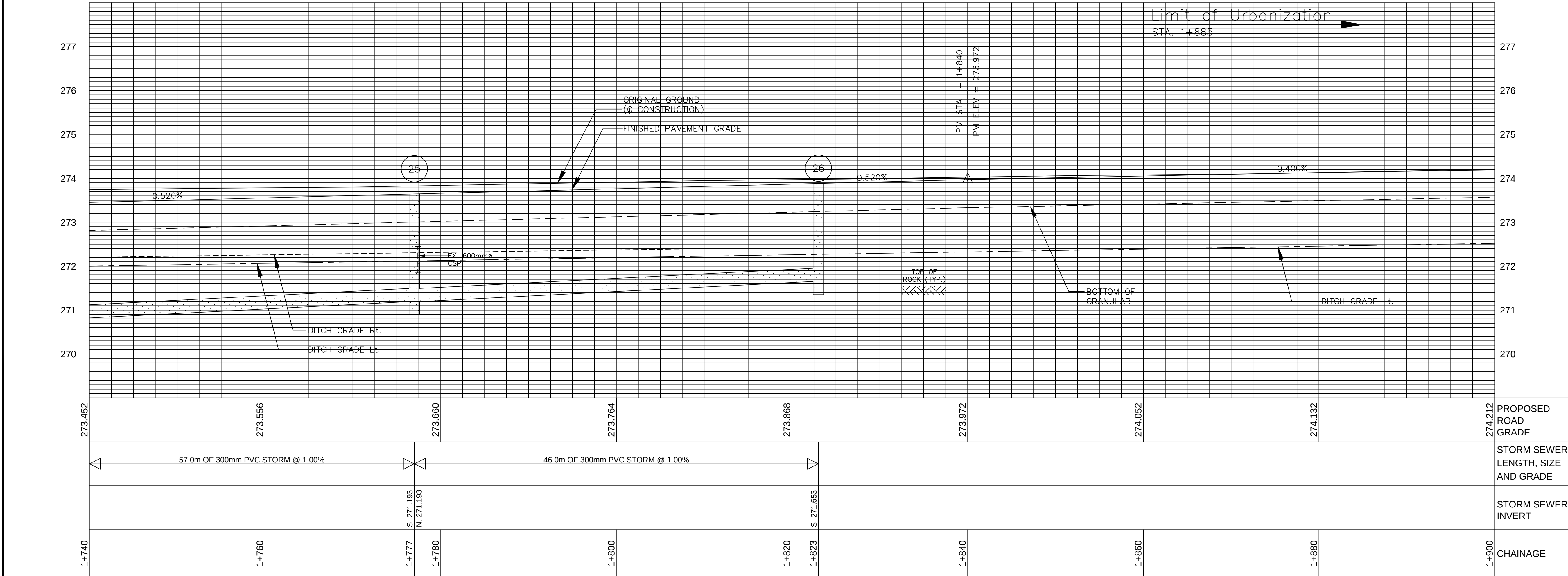
- STM. EXISTING STORM SEWER
- SAN. EXISTING SANITARY SEWER
- WM. EXISTING WATERMAIN
- G. EXISTING GAS MAIN
- B. EXISTING BURIED BELL CABLE
- CTV. EXISTING BURIED CTV CABLE
- H. EXISTING BURIED HYDRO CABLE
- 300mm PROPOSED STORM SEWER
- 300mm PROPOSED SANITARY SEWER
- 150mm PROPOSED SANITARY SERVICE
- 300mm PROPOSED WATERMAIN
- 19mm C/S PROPOSED WATER SERVICE
- PROPOSED CURB & GUTTER
- PROPOSED DROP CURB
- PROPOSED SIDEWALK

NOTE:

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No.	DATE	BY	ISSUES / REVISIONS



CLIENT:

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PROJECT:

ANGELINE STREET NORTH RECONSTRUCTION

Tender No.

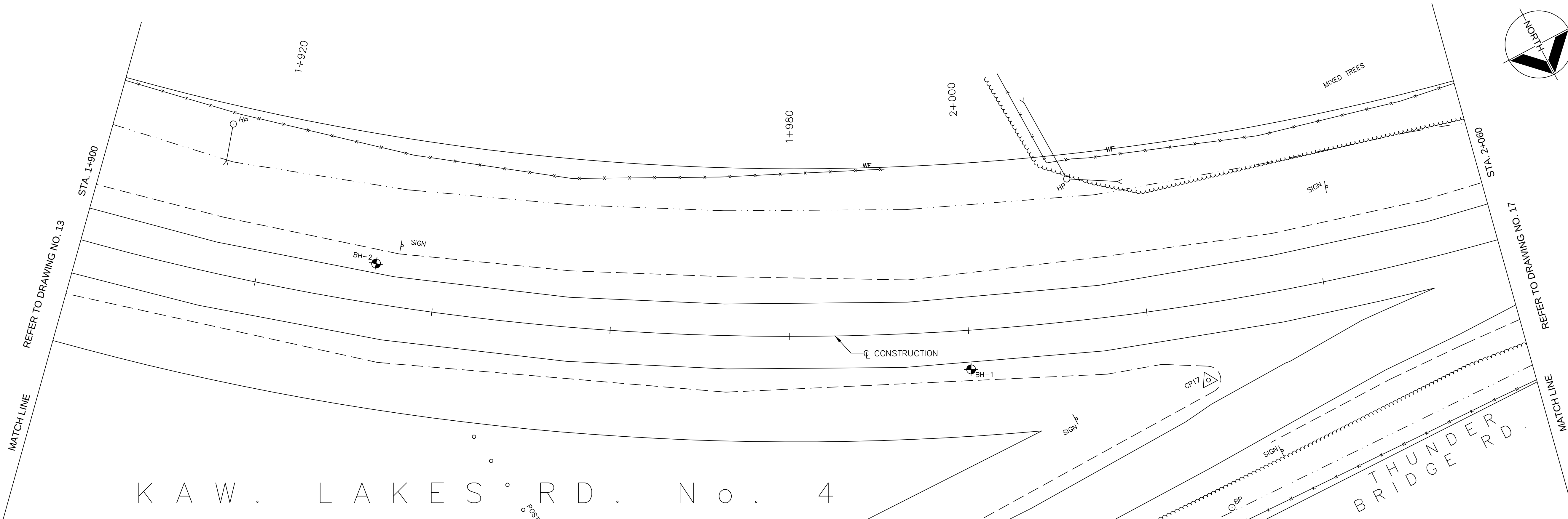
LINDSAY

DRAWING:

NEW CONSTRUCTION AND STORM SEWERS

STA. 1+740 TO STA. 1+900

DRAWN BY:	CHECKED BY:	PROJECT No.:
J. BEAVAN	M. E. MOORE	12-29349
DESIGNED BY:	APPROVED BY:	DRAWING No.:
M. E. MOORE	W. WILCOX	14
SCALE:	DATE:	
HORZ. 1:500 VERT. 1:100	MARCH 2004	



LEGEND

- STM: EXISTING STORM SEWER
- SAN: EXISTING SANITARY SEWER
- WM: EXISTING WATERMAIN
- G: EXISTING GAS MAIN
- B: EXISTING BURIED BELL CABLE
- CTV: EXISTING BURIED CTV CABLE
- H: EXISTING BURIED HYDRO CABLE
- REMOVE EXISTING
- REMOVE EXISTING STRUCTURE
- CLEARING AND GRUBBING
- REMOVE SIDEWALK

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PROJECT:

**ANGELINE STREET NORTH
RECONSTRUCTION**

Tender No.

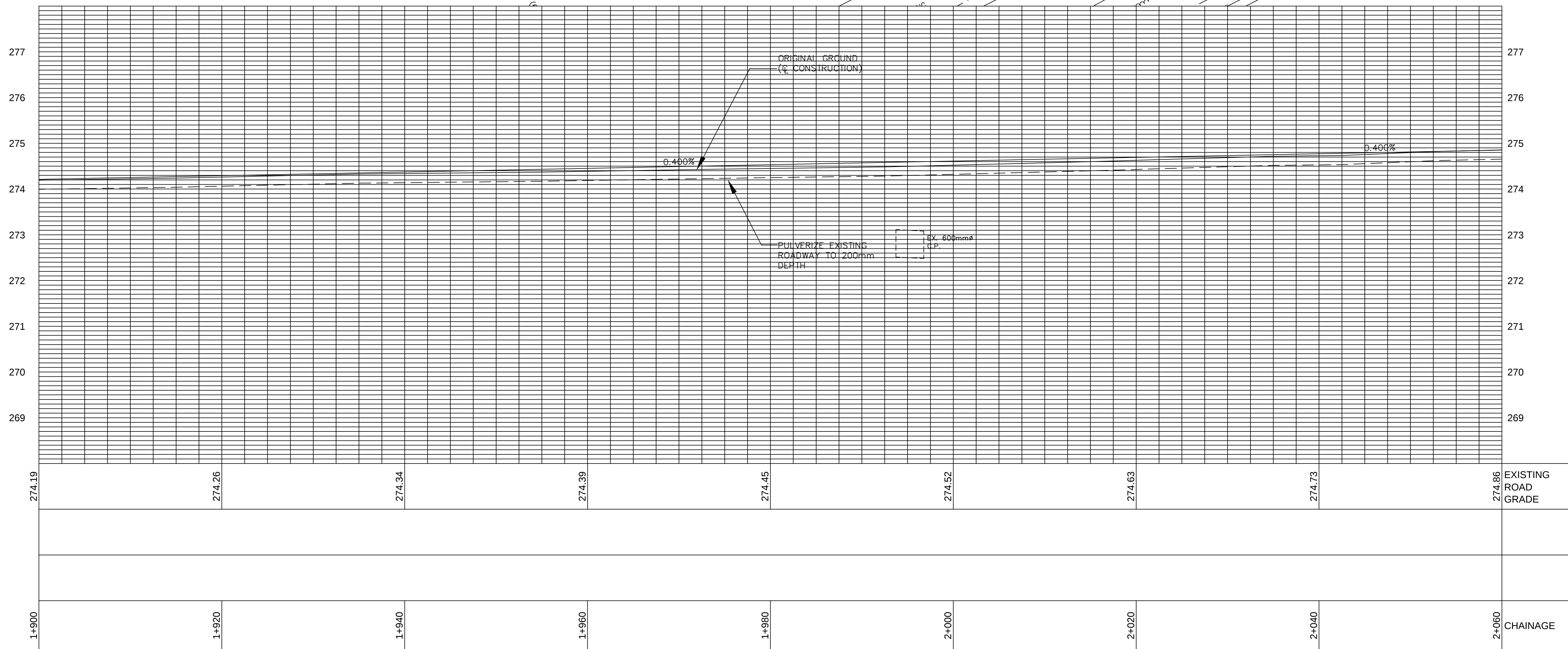
LINDSAY

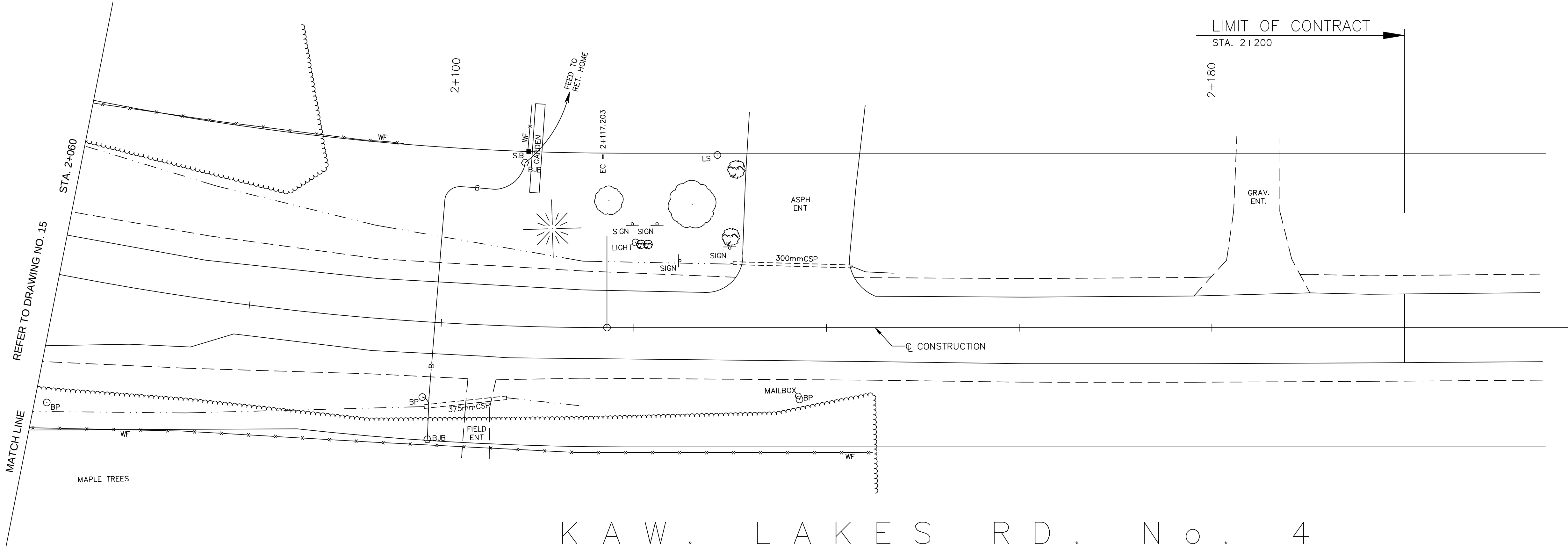
DRAWING:

**EXISTING CONDITIONS
AND REMOVALS**

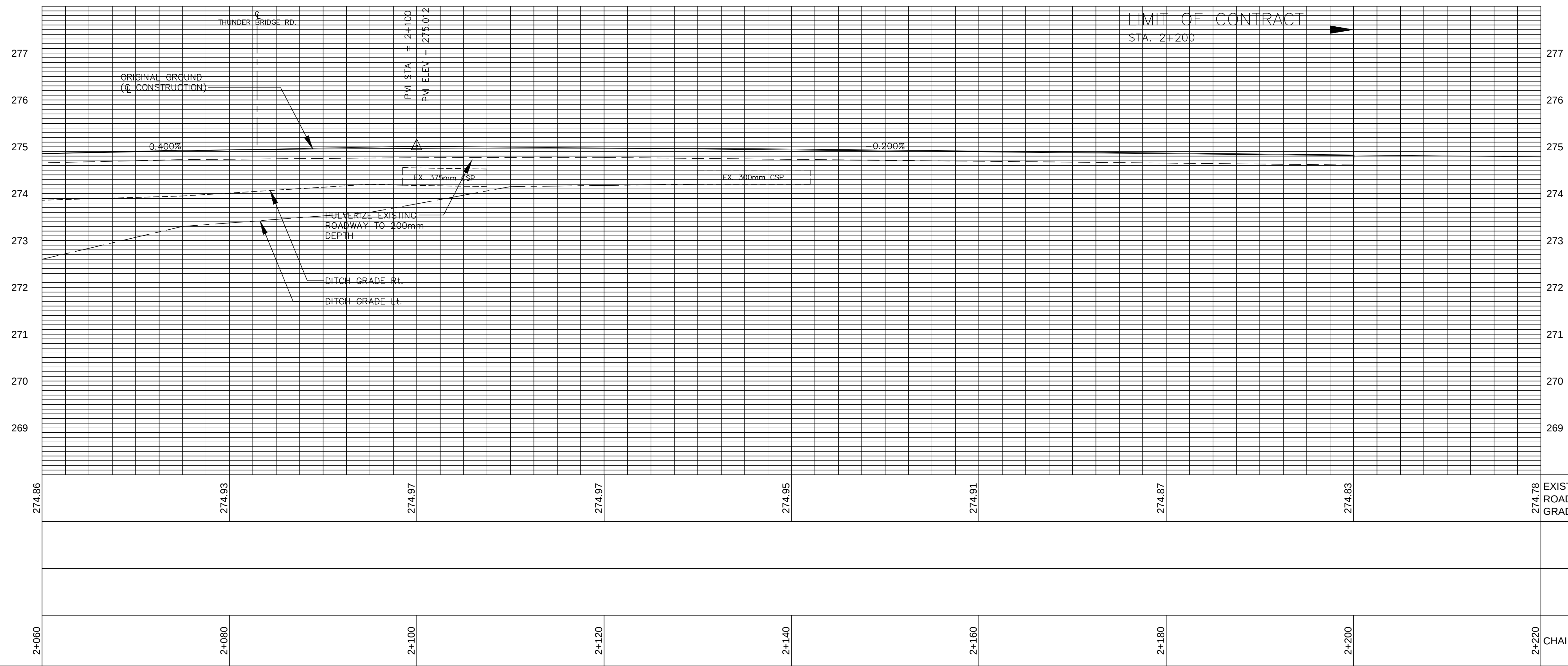
STA. 1+900 TO STA. 2+060

DRAWN BY:	CHECKED BY:	PROJECT No.:
J. BEAVAN	M. E. MOORE	12-29349
DESIGNED BY:	APPROVED BY:	DRAWING No.
M. E. MOORE	W. WILCOX	
SCALE:	DATE:	15
HORZ. 1:500 VERT. 1:100	MARCH 2004	





KAW LAKES RD. No. 4



LEGEND

- STM. EXISTING STORM SEWER
- SAN. EXISTING SANITARY SEWER
- WM. EXISTING WATERMAIN
- G. EXISTING GAS MAIN
- B. EXISTING BURIED BELL CABLE
- CTV. EXISTING BURIED CTV CABLE
- H. EXISTING BURIED HYDRO CABLE
- REMOVE EXISTING
- CB. REMOVE EXISTING STRUCTURE
- CLEARING AND GRUBBING
- REMOVE SIDEWALK

NOTE:

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CLIENT:

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PROJECT:

**ANGELINE STREET NORTH
RECONSTRUCTION**

Tender No.

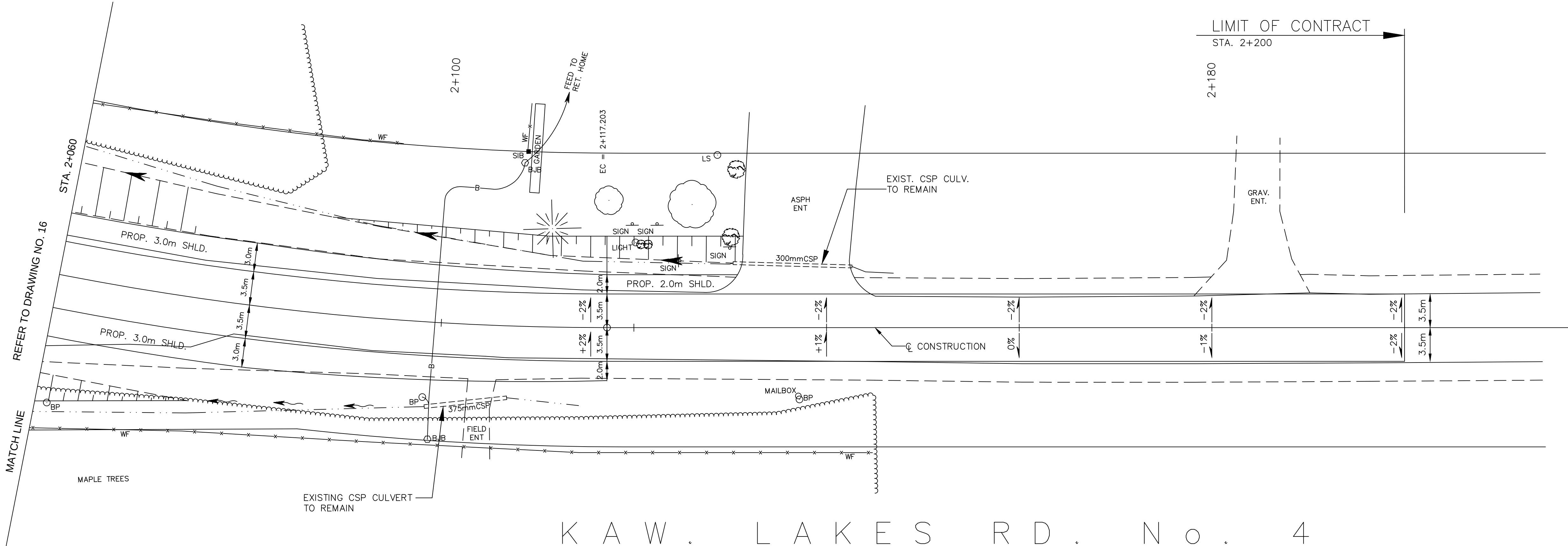
LINDSAY

DRAWING:

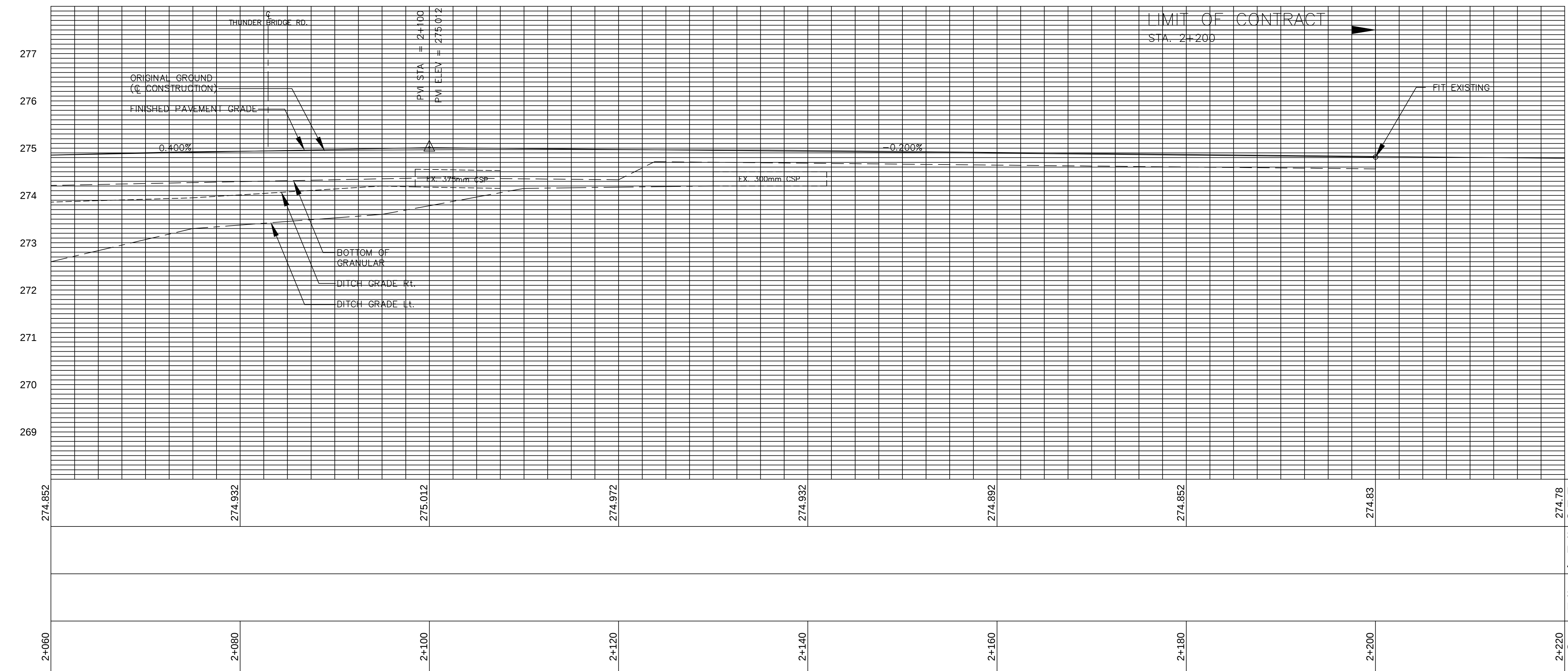
**EXISTING CONDITIONS
AND REMOVALS**

STA. 2+060 TO STA. 2+220

DRAWN BY:	CHECKED BY:	PROJECT No.:
J. BEAVAN	M. E. MOORE	12-29349
DESIGNED BY:	APPROVED BY:	DRAWING No.
M. E. MOORE	W. WILCOX	17
SCALE:	DATE:	
HORZ. 1:500 VERT. 1:100	MARCH 2004	



KAW. LAKES RD. No. 4



LEGEND

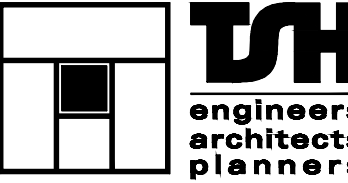
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- SAN. EXISTING SANITARY SEWER
- WM. EXISTING WATERMAIN
- G. EXISTING GAS MAIN
- B. EXISTING BURIED BELL CABLE
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- H. EXISTING BURIED HYDRO CABLE
- PROPOSED CURB & GUTTER
- PROPOSED DROP CURB
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CLIENT:

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PROJECT:

**ANGELINE STREET NORTH
RECONSTRUCTION**

Tender No.

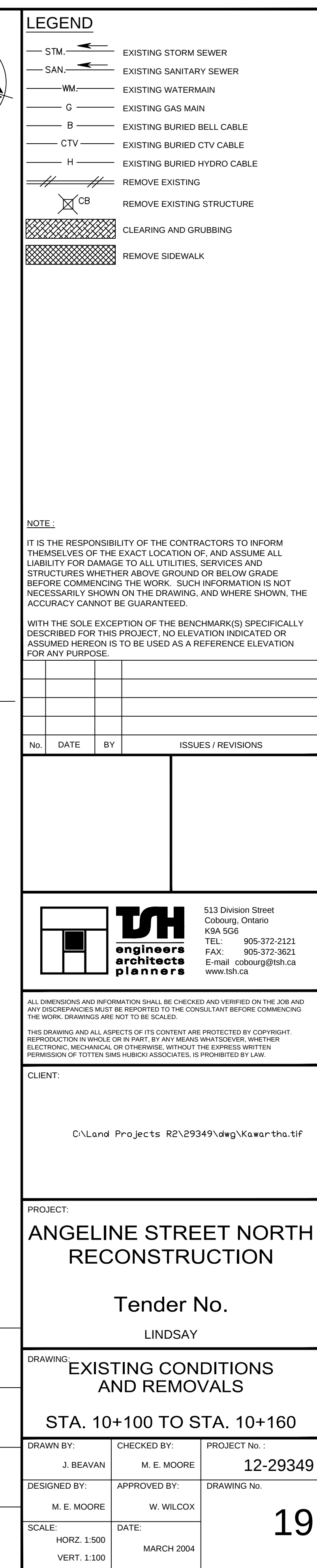
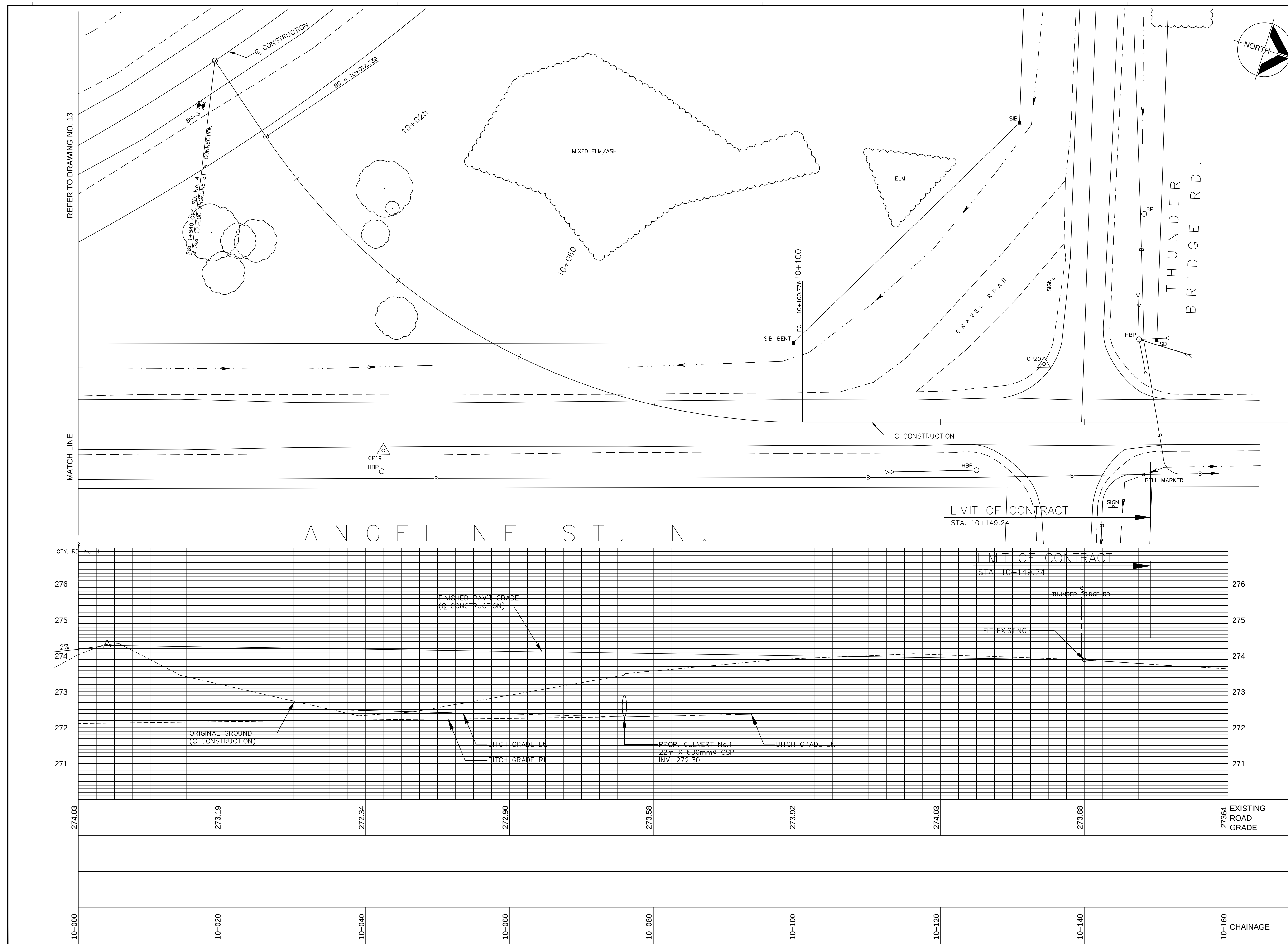
LINDSAY

DRAWING:

NEW CONSTRUCTION

STA. 2+060 TO STA. 2+220

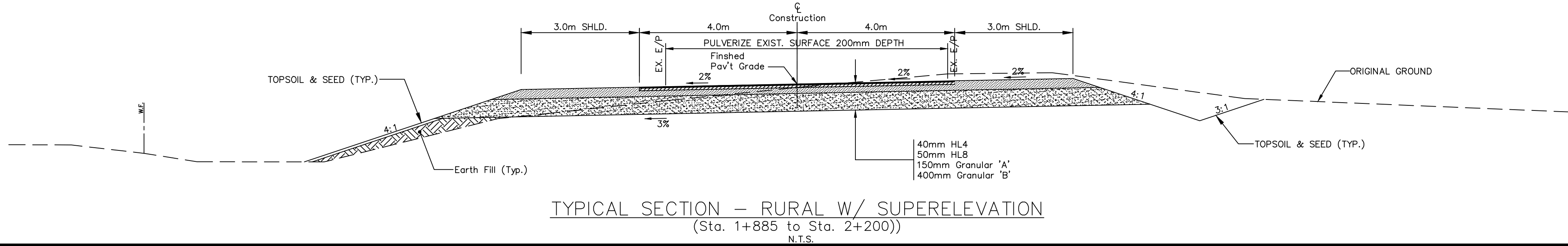
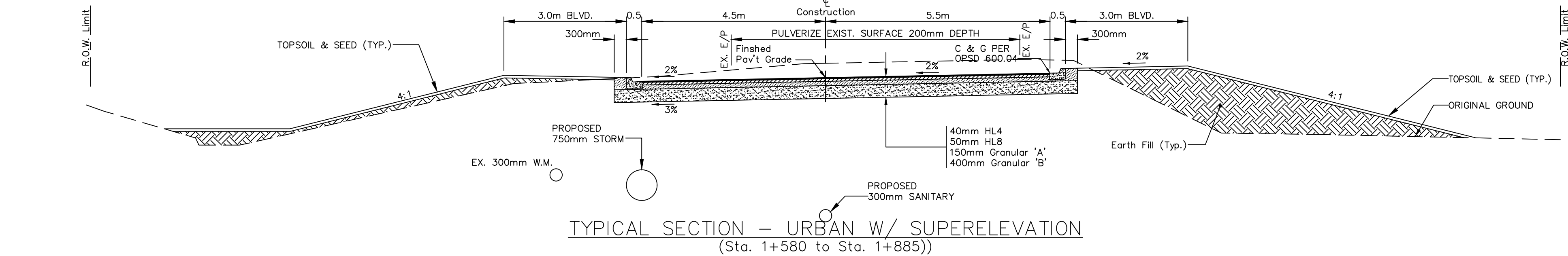
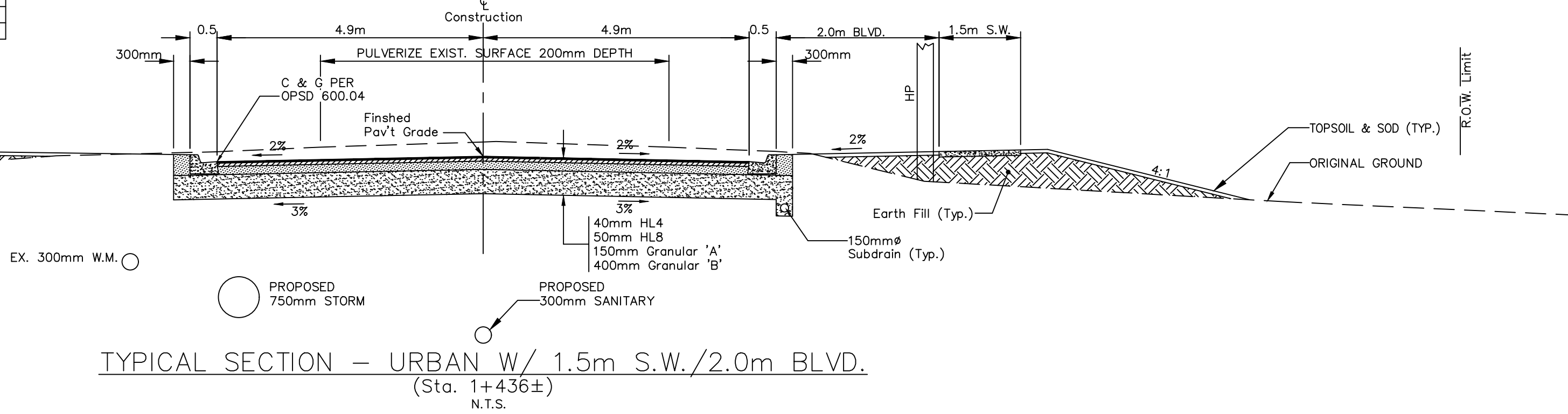
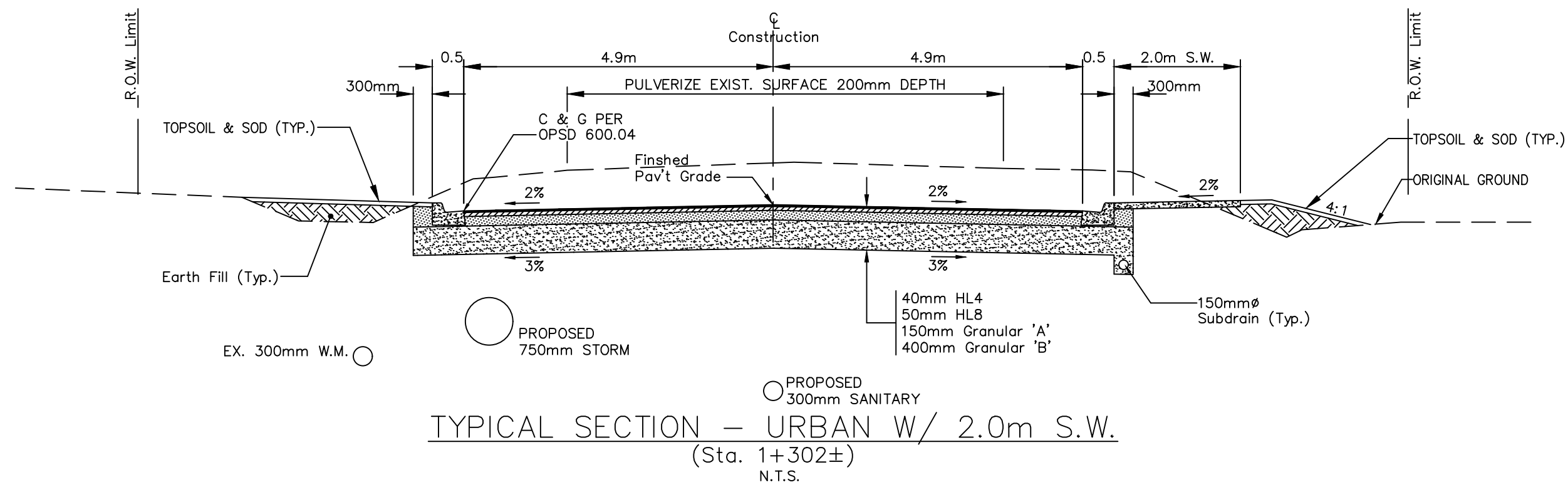
DRAWN BY:	CHECKED BY:	PROJECT No.:
J. BEAVAN	M. E. MOORE	12-29349
DESIGNED BY:	APPROVED BY:	DRAWING No.
M. E. MOORE	W. WILCOX	18
SCALE:	DATE:	
HORZ. 1:500 VERT. 1:100	MARCH 2004	



NEW STRUCTURES – STORM SEWER DATA														
LOCATION	No.	STATION	OFFSET TO C GRATE	STRUCTURE TYPE (OPSD)	GRATE TYPE	ELEVATIONS			SEWER DATA					
						GRATE	INLET	OUTLET	No. TO No.	SIZE	TYPE	% GRADE	LENGTH	
ANGELINE ST. N.	1	1+163.3	4.91 Lt.	EXISTING	400.020	266.282	N. 263.950 E. 264.260	S. 263.800	1 – 3	750	C.P.	1.00	58.0m	
	2	1+164.7	4.98 Rt.	EXISTING	400.020	266.295	–	S.W. 264.610	3 – WEST	375	PVC	1.00	6.0m	
	3	1+221	4.90 Lt.		701.011	266.892	N. 264.530 W. 264.905	S. 264.530	3 – 4	750	C.P.	1.35	25.0m	
	4	1+246	4.90 Lt.		701.011	267.158	N. 264.868 E. 264.318	S. 264.868	4 – 5	300	PVC	1.00	10.0m	
	5	1+246	4.90 Rt.		705.010	267.158	W. 265.390 E. 265.400	W. 265.400	5 – 6	300	PVC	1.00	5.0m	
	6	1+246	9.50 Rt.		705.030	403.010 'A'	–	W. 265.445	7 – 4	300	PVC	2.00	5.0m	
	7	1+246	9.50 Lt.		705.030	403.010 'A'	–	E. 265.500	4 – 8	750	C.P.	1.35	83.0m	
	8	1+329	4.90 Lt.		701.011	268.278	N. 266.060 E. 266.438	S. 265.988	8 – 9	300	PVC	1.74	10.0m	
	9	1+329	4.90 Rt.		705.010	268.278	W. 266.612	W. 266.612	9 – 10	300	PVC	1.00	8.0m	
	10	1+329	13.00 Rt.		705.030	403.010 'A'	–	W. 266.662	8 – 11	675	C.P.	1.60	85.0m	
	11	1+414	4.90 Lt.		701.010	270.350	N. 267.420 E. 268.700	S. 267.420	11 – 12	300	PVC	1.00	10.0m	
	12	1+414	4.90 Rt.		705.010	270.350	W. 268.000	W. 268.800	11 – 13	300	PVC	2.00	10.0m	
	13	1+414	15.00 Lt.		705.030	403.010 'A'	–	E. 268.200	14 – 15	300	PVC	2.00	10.0m	
	14	1+496	4.90 Lt.		701.010	271.968	N. 268.732 E. 270.400	S. 268.732	14 – 18	675	C.P.	0.96	124.0m	
	15	1+496	4.90 Rt.		705.010	271.968	–	W. 270.600	16 – PIPE	300	C.P.	6.00	10.0m	
	16	1+560	4.90 Rt.		705.010	272.415	–	W. 270.250	17 – PIPE	300	PVC	2.00	10.0m	
	17	1+583	15.00 Lt.		705.030	403.010 'A'	–	E. 270.200	18 – 19	300	PVC	2.00	10.0m	
	18	1+620	4.90 Lt.		701.010	272.726	N. 269.848 E. 270.347	S. 269.848	18 – 20	600	C.P.	1.53	10.0m	
	19	1+620	4.90 Rt.		705.010	272.826	W. 270.047	W. 270.547	21 – PIPE	300	PVC	2.00	10.0m	
	20	1+620	15.00 Lt.		705.040	403.010 'C'	–	E. 270.200	18 – 22	675	C.P.	0.35	100.0m	
	21	1+672	15.00 Lt.		705.030	403.010 'A'	–	E. 270.500	22 – 23	600	C.P.	0.77	10.0m	
	22	1+720	4.40 Lt.		701.010	273.267	N.W.270.623 E. 270.473	S. 270.248	22 – 24	450	C.P.	0.65	16.0m	
	23	1+720	15.00 Lt.		705.040	403.010 'C'	–	E. 270.400	22 – 25	300	PVC	1.00	57.0m	
	24	1+720	12.60 Rt.		705.040	403.010 'C'	–	W. 270.577	25 – 26	300	PVC	1.00	46.0m	
	25	1+777	3.84 Lt.		705.020	400.020 (2)	N.W.271.193 S.E.271.193							
	26	1+823	3.50 Lt.		705.020	400.020 (2)	273.812	–	S.E.271.653					
* NOTE: ALL STORM MANHOLES, CATCHBASINS AND DITCH INLETS TO BE SUPPLIED WITH 0.30m AND 0.60m SUMPS RESPECTIVELY; ALSO WITH A 100mm DIA. OPENING IN THE FLOOR SLAB. FILTER FABRIC, TERRAFIX 270R, TO BE PLACED OUTSIDE FLOOR SLAB OPENING.														
ALL STRUCTURES TO BE CONSTRUCTED WITH MIN. THICKNESS OF 300mm GRAN. 'B' ALL AROUND.														

NEW STRUCTURES – SANITARY SEWER DATA														
LOCATION	No.	STATION	OFFSET TO C GRATE	STRUCTURE TYPE	GRATE TYPE	ELEVATIONS			SEWER DATA					
						GRATE	INLET	OUTLET	No. TO No.	SIZE	TYPE	% GRADE	LENGTH	
ANGELINE ST. N.	S1	1+136	C.L.	701.010	401.01–'A'	266.095	N. 263.200 S. 263.200	S. 263.200	S1 – S2	300mm	PVC	0.50	90.0m	
	S2	1+226	C.L.	701.010	401.01–'A'	267.050	W. 263.700 N. 263.750	S. 263.650	S2 – WEST	250mm	PVC	1.00	10.0m	
	S3	1+342	C.L.	701.010	401.01–'A'	268.660	N. 265.415 S. 265.415	S. 265.415	S2 – S3	200mm	PVC	1.44	116.0m	
	S4	1+456	C.L.	701.010	401.01–'A'	271.432	N. 267.500 S. 267.500	S. 267.500	S3 – S4	200mm	PVC	2.09	114.0m	
	S5	1+576	C.L.	701.010	401.01–'A'	272.598	N. 268.800 S. 268.800	S. 268.800	S4 – S5	200mm	PVC	1.08	120.0m	
	S6	1+697.87	1.82m Rt.	701.010	401.01–'A'	273.231	W. 269.500 S. 269.500	S. 269.500	S5 – S6	200mm	PVC	0.57	122.0m	

ADJUST & REBUILD M.H./C.B. – STORM & SANITARY SEWERS DATA														
LOCATION	No.	STATION	OFFSET TO C GRATE	STRUCTURE TYPE	GRATE TYPE	EXISTING GRATE	PROPOSED GRATE	RAISE/LOWER	COMMENTS					
ANGELINE ST. N.	1	1+163.3	4.91m Lt.	EXIST. M.H.	400.020	266.470	266.282	L–0.188	REBUILD M.H. – ADD NEW FRAME & GRATE – BLOCK UP EX. N. OPENING					
	2	1+164.7	4.98m Rt.	EXIST. M.H.	400.020	266.557	266.295	L–0.262	REBUILD M.H. – ADD NEW FRAME & GRATE – BLOCK UP EX. N. OPENING					



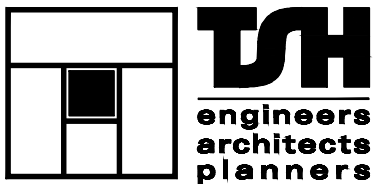
LEGEND

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CLIENT:

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PROJECT:

ANGELINE STREET NORTH
RECONSTRUCTION

Tender No.
LINDSAY

DRAWING:

SEWER TABLES AND
TYPICAL SECTIONS

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