

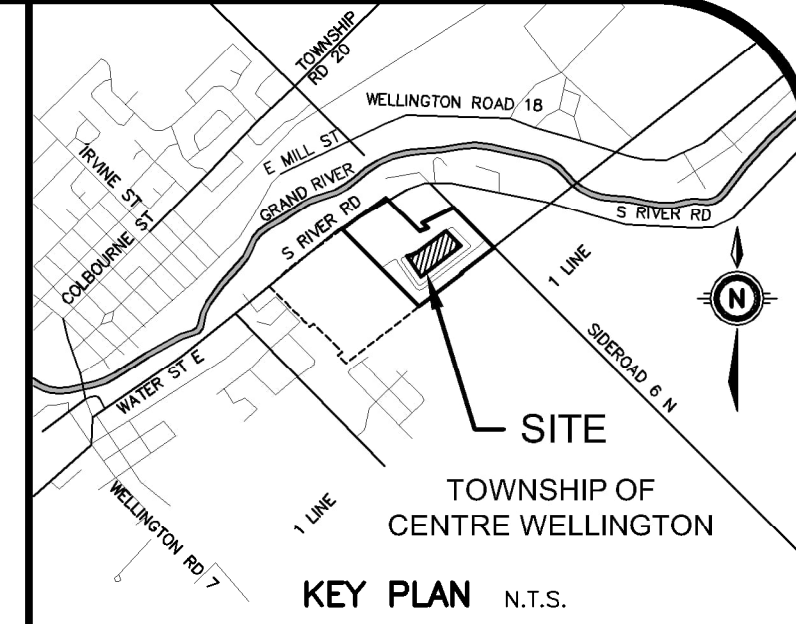
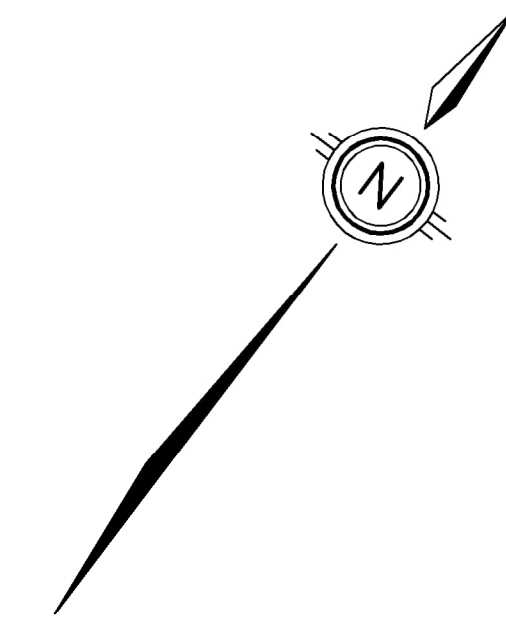
P:\54723\100\54723-100-C1

January 13, 2025 - 12:39:22 PM - Plotted By: Belle Wilson

NOTE: PRIOR TO CONSTRUCTION AND STRUCTURE ORDERING, CONTRACTOR TO VERIFY CONDITION, DEPTH AND LOCATION OF EXISTING SERVICES AND NOTIFY DESIGN ENGINEER OF ANY DISCREPANCIES.

LEGEND OF EXISTING FEATURES

- SITE BOUNDARY
- EXISTING CONTOURS
- - - EXISTING DIRECTION OF DRAINAGE/SWALE
- Ex. 200mm SAN --- Ex. MH --- EXISTING SANITARY SEWER
- Ex. 200mm WTM --- Ex. HYD. SET --- EXISTING WATERMAIN
- Ex. 450mm STM --- Ex. MH --- EXISTING STORM SEWER
- Ex. Drop Curb --- EXISTING CURB
- (TOP) --- (BOTTOM) --- EXISTING EMBANKMENT (SLOPE AS NOTED)
- PHASE LIMIT
- (A) ADJUST
- X REMOVALS



GEODETIC BM ELEV. = 387.982m
ELORA POST OFFICE, BOLT IN FRONT WALL, IN LINE OF CENTRE BASEMENT WINDOW. (HISTORICAL NUMBER 16U117E).

SITE BENCHMARK ELEV. = 404.136m
TOP NUT OF FIRE HYDRANT FRONTING STREET ACROSS FROM LOT 20-PHASE 1.

NOTE TO CONTRACTOR :
DO NOT SCALE DRAWINGS.
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- NOTE:
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 - THIS PLAN IS PART OF A SET OF PLANS WHICH COMPRISE OF THE FOLLOWING: C1.1, C2.1, C2.2, C2.3, C2.4, C2.5 & SMM BRIEF.
 - FULL EXTENT OF REMOVALS MAY NOT BE SHOWN ON THIS REMOVALS PLAN. CONTRACTOR TO INCLUDE ALL REMOVALS REQUIRED TO COMPLETE THE WORK ON C2.1, C2.2, C2.3 AND C2.4 IN THEIR COSTS.

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3.	Revised per Township's Comments	TMA 2025-01-13
2.	Revised per Township's Comments	TMA 2024-11-13
1.	ISSUED FOR SPA	TMA 2024-07-03
No.	REVISION	BY YYYY-MM-DD

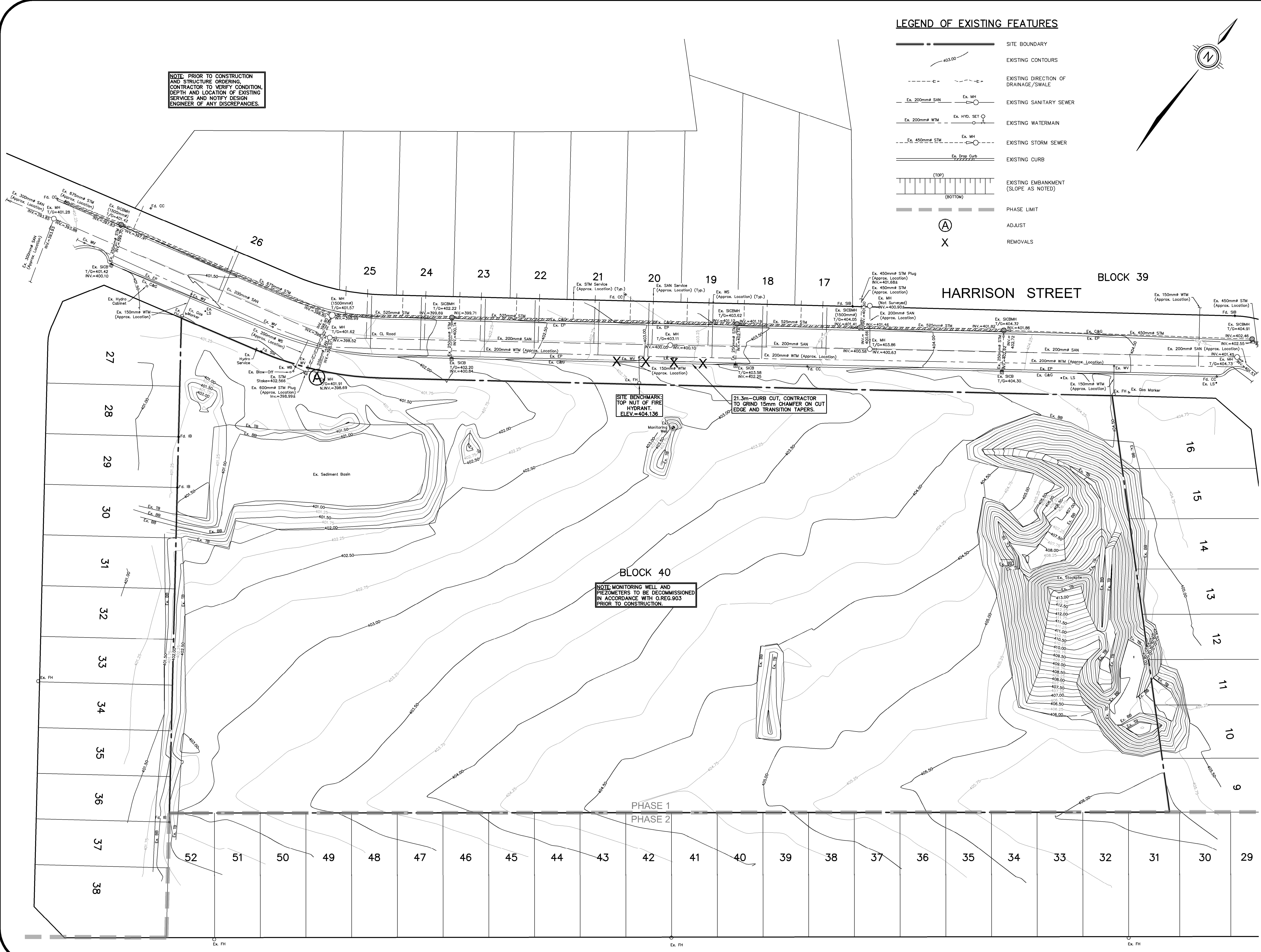


519-743-6500

CLIENT
GRANITE HOMES SOUTH RIVER INC.
8 MILL STREET WEST ELORA
PROJECT
YOUNGBLOOD SUBDIVISION BLOCK 40 CIVIL WORKS
ELORA

DRAWING
EXISTING CONDITIONS AND REMOVALS PLAN

Project Manager	T.ARNOLD	Project No.	54723-100
Design By	JHN/TMA	Checked By	TMA/LEI
Drawn By	JRS/BDW	Checked By	JHN/TMA
Surveyed By	MTE	Drawing No.	
Date	Jan.30/24	C1.1	
Scale	1:400	Sheet 1 of 6	



SITE BENCHMARK TOP NUT OF FIRE HYDRANT ELEV.=404.136
21.3m-CURB CUT, CONTRACTOR TO GRIND 15mm CHAMFER ON CUT EDGE AND TRANSITION TAPERS.

NOTE: MONITORING WELL AND PIEZOMETERS TO BE DECOMMISSIONED IN ACCORDANCE WITH O.REG.903 PRIOR TO CONSTRUCTION.

PHASE 1
PHASE 2

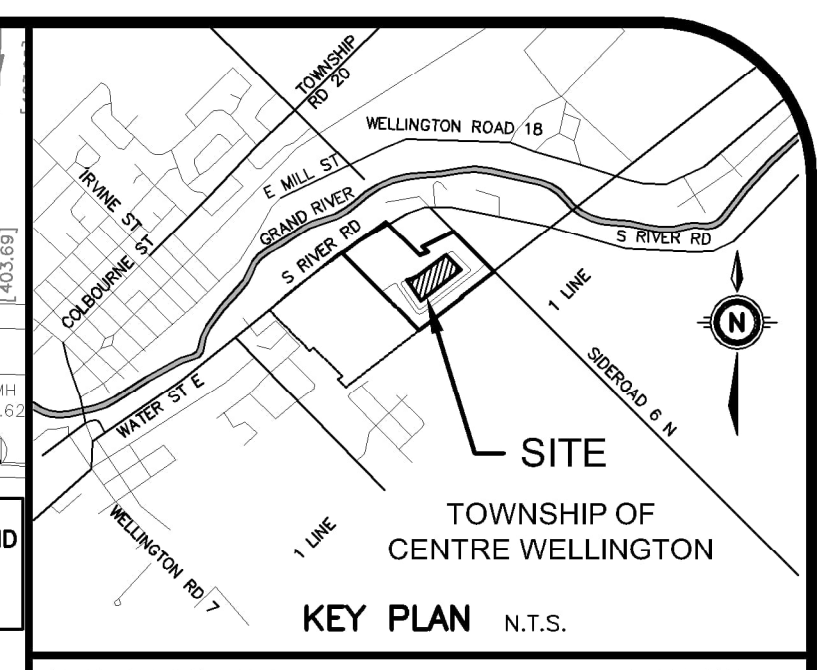
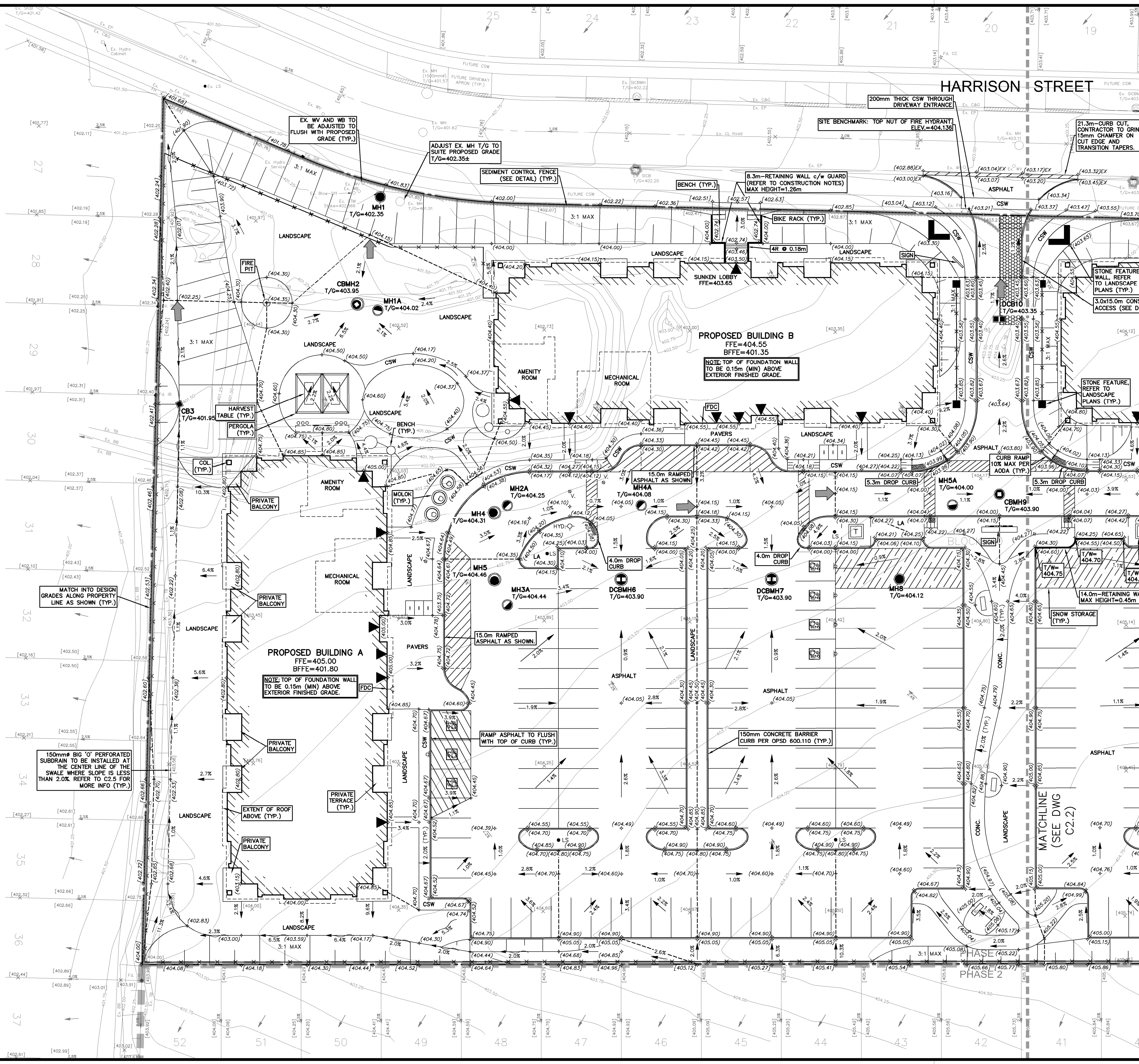


LEGEND OF EXISTING/DESIGNED FEATURES

- SITE BOUNDARY
- AS DESIGNED GRADES PER MTE DWG. 46090-114-LG1 DATED 2021-09-13
- AS DESIGNED DIRECTION OF DRAINAGE PER MTE DWG. 46090-114-LG1 DATED 2021-09-13
- EXISTING CONTOURS
- EXISTING DIRECTION OF DRAINAGE/SWALE
- EXISTING/DESIGNED EMBANKMENT (SLOPE AS NOTED)
- PHASE LIMIT

LEGEND OF PROPOSED FEATURES

- PROPOSED SPOT ELEVATIONS EX = MAINTAIN EXISTING T/G = TOP OF CASTING/GRATE INV = INVERT ELEVATION FFE = FINISHED FLOOR ELEVATION AS DESIGNED GRADES PER MTE DWG. 46090-114-LG1 DATED 2021-09-13
- DIRECTION OF DRAINAGE/SWALE
- DRAINAGE SPLIT (RIDGE)
- EMBANKMENT (SLOPE AS NOTED)
- PROPOSED BUILDING
- OVERHEAD DOOR
- MAN DOOR
- FENCE
- CONCRETE CURB
- RETAINING WALL
- OVERLAND FLOW ROUTE (MAJOR STORM)
- SEDIMENT CONTROL FENCE (SEE DETAIL)
- CONSTRUCTION ACCESS (SEE DETAIL)
- SILT SACK (SEE DETAIL)



GEODETIC BM ELEV. = 387.982m
 ELORA POST OFFICE, BOLT IN FRONT WALL, IN LINE OF CENTRE BASEMENT WINDOW. (HISTORICAL NUMBER 16U117E).

SITE BENCHMARK ELEV. = 404.136m
 TOP NUT OF FIRE HYDRANT FRONTING STREET ACROSS FROM LOT 20-PHASE 1.

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No.	REVISION	BY	DATE
8.	Revised per Township's Comments	TMA	2025-01-13
7.	Revised per Township's Comments	TMA	2024-11-13
6.	ISSUED FOR SPA	TMA	2024-07-03
5.		BY	YYYY-MM-DD

MTE
 Engineers, Scientists, Surveyors
 519-743-6500

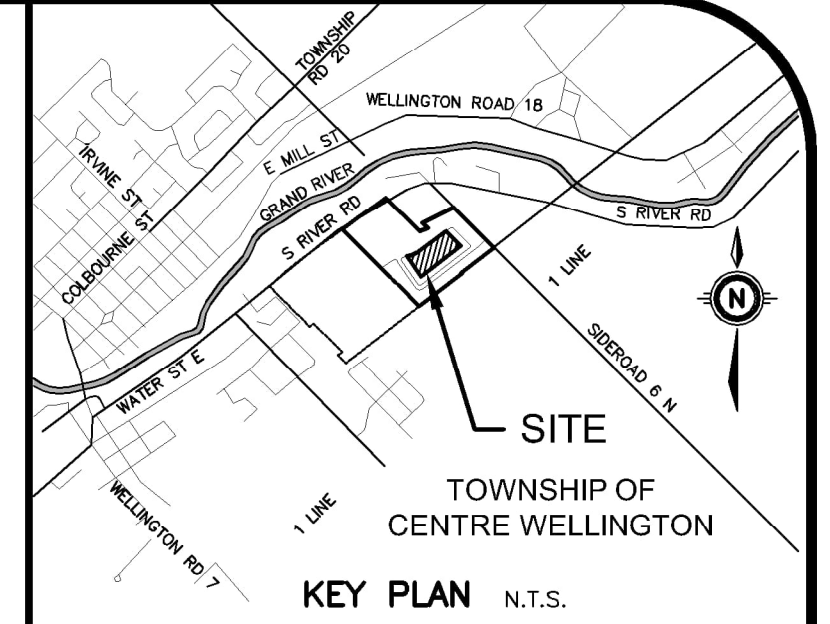
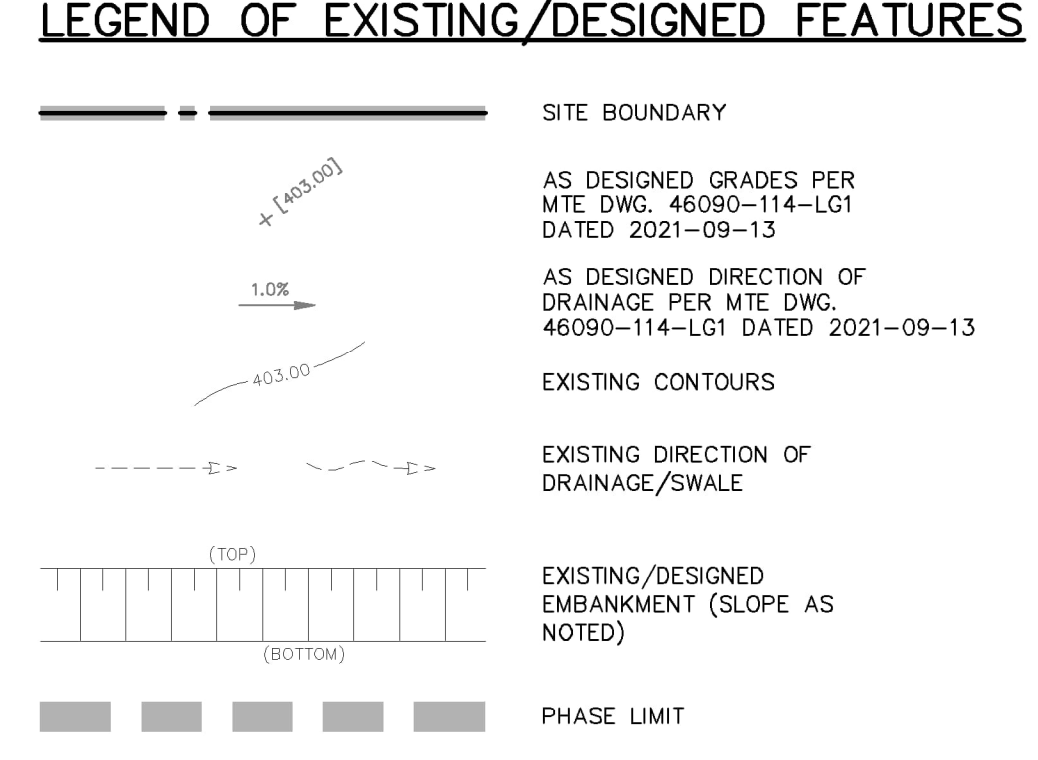
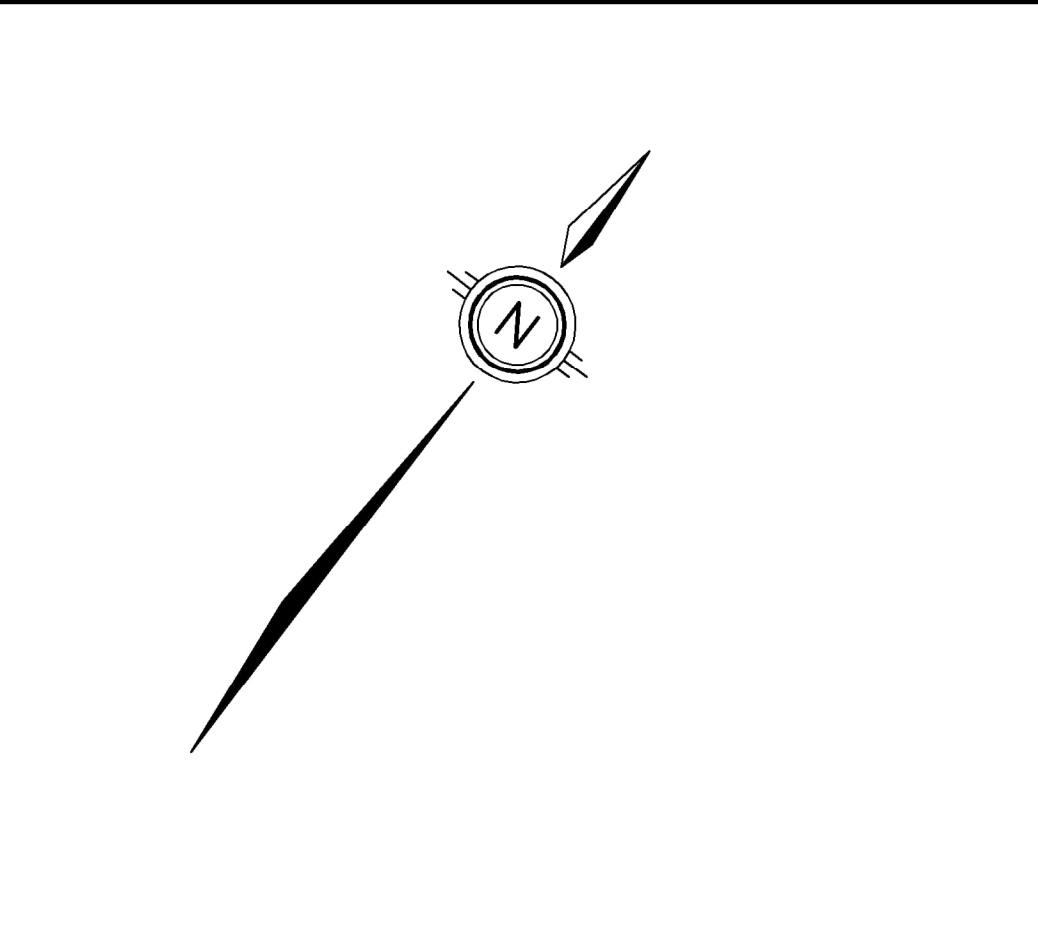
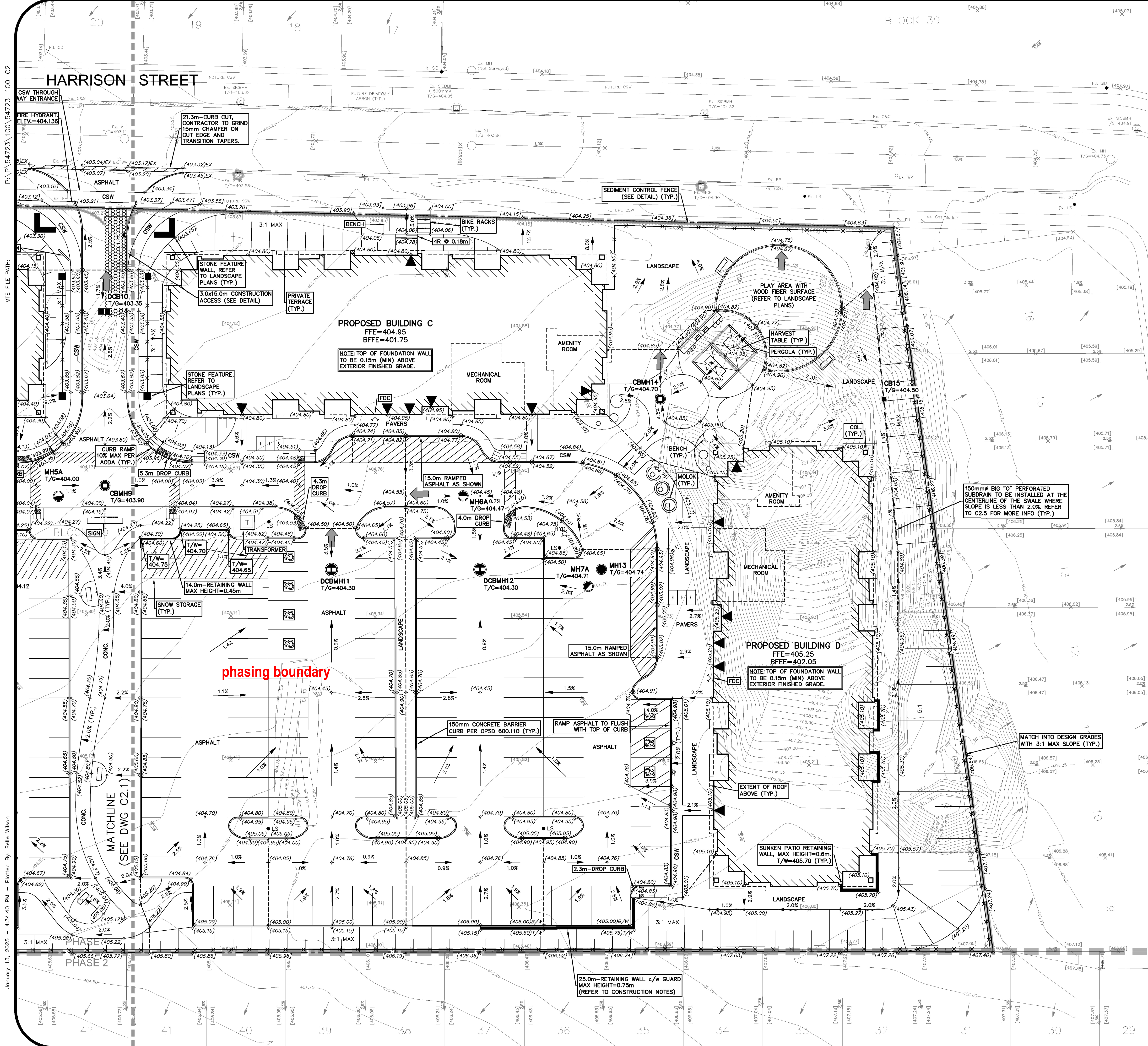
LICENSED PROFESSIONAL ENGINEER
 T.M. ARNDT
 00583141
 2025-01-13
 PROVINCE OF ONTARIO

CLIENT
GRANITE HOMES SOUTH RIVER INC.
 8 MILL STREET WEST ELORA

PROJECT
YOUNGBLOOD SUBDIVISION BLOCK 40 CIVIL WORKS
 ELORA

SITE GRADING AND E&SC PLAN 1

Project Manager	T.ARNDT	Project No.	54723-100
Design By	JHN/TMA	Checked By	TMA/LEI
Drawn By	JRS/BDW	Checked By	JHN/TMA
Surveyed By	MTE	Drawing No.	C2.1
Date	Jan.31/24	Scale	1:250
Sheet	2 of 6		



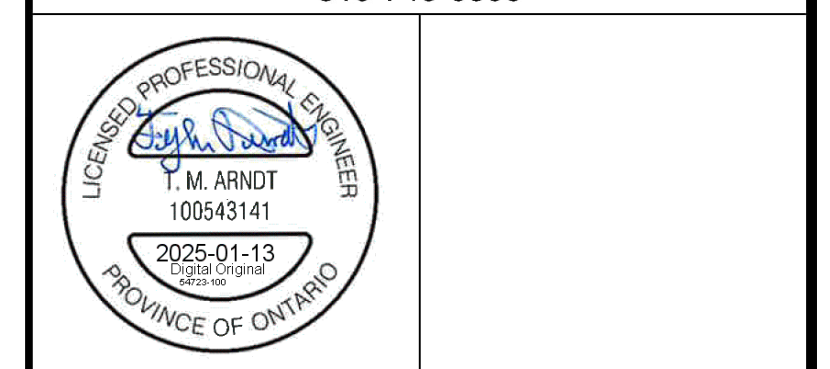
GEODETIC BM ELEV. = 387.982m
 ELORA POST OFFICE, BOLT IN FRONT WALL, IN LINTEL OF CENTRE BASEMENT WINDOW. (HISTORICAL NUMBER 16U117E).

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3.	Revised per Township's Comments	TMA 2025-01-13
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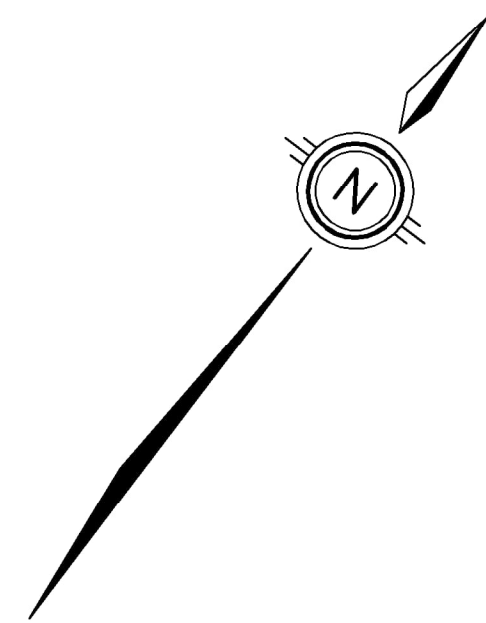


CLIENT: **GRANITE HOMES SOUTH RIVER INC.**
 8 MILL STREET WEST ELORA
 PROJECT: **YOUNGBLOOD SUBDIVISION BLOCK 40 CIVIL WORKS**
 ELORA

DRAWING: SITE GRADING AND E&S PLAN 2	
Project Manager: T.ARNDT	Project No. 54723-100
Design By: JHN/TMA	Checked By: TMA/LEI
Drawn By: JRS/BDW	Checked By: JHN/TMA
Surveyed By: MTE	Drawing No. C2.2
Date: Jan.31/24	Scale: 1:250
Sheet 3 of 6	

January 13, 2025 4:34:40 PM - Plotted By: Belle Wilson

MTE FILE PATH: P:\54723\100\54723-100-C2



LEGEND OF EXISTING FEATURES

- SITE BOUNDARY
- EXISTING SANITARY SEWER
- EXISTING WATERMAIN
- EXISTING STORM SEWER
- EXISTING CURB
- EXISTING EMBANKMENT (SLOPE AS NOTED)
- PHASE LIMIT

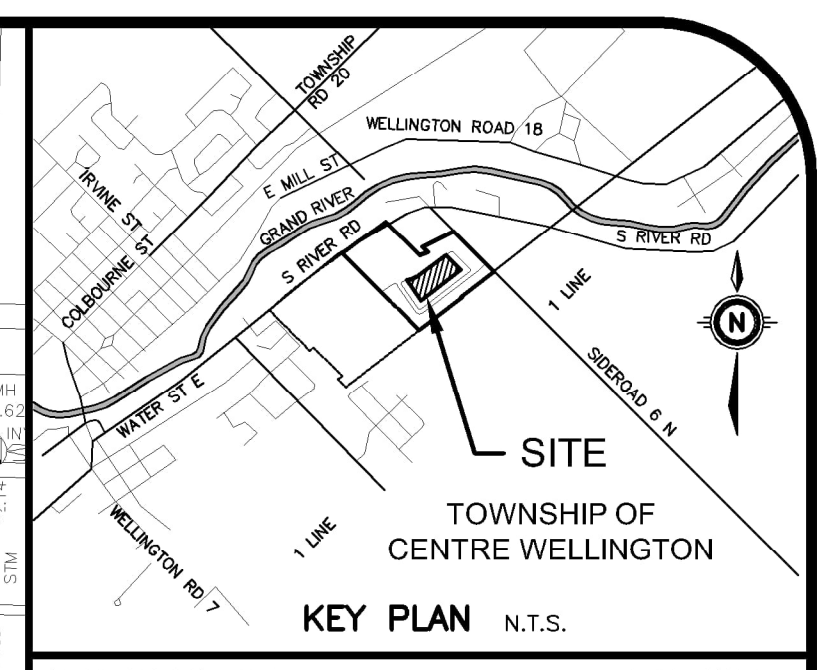
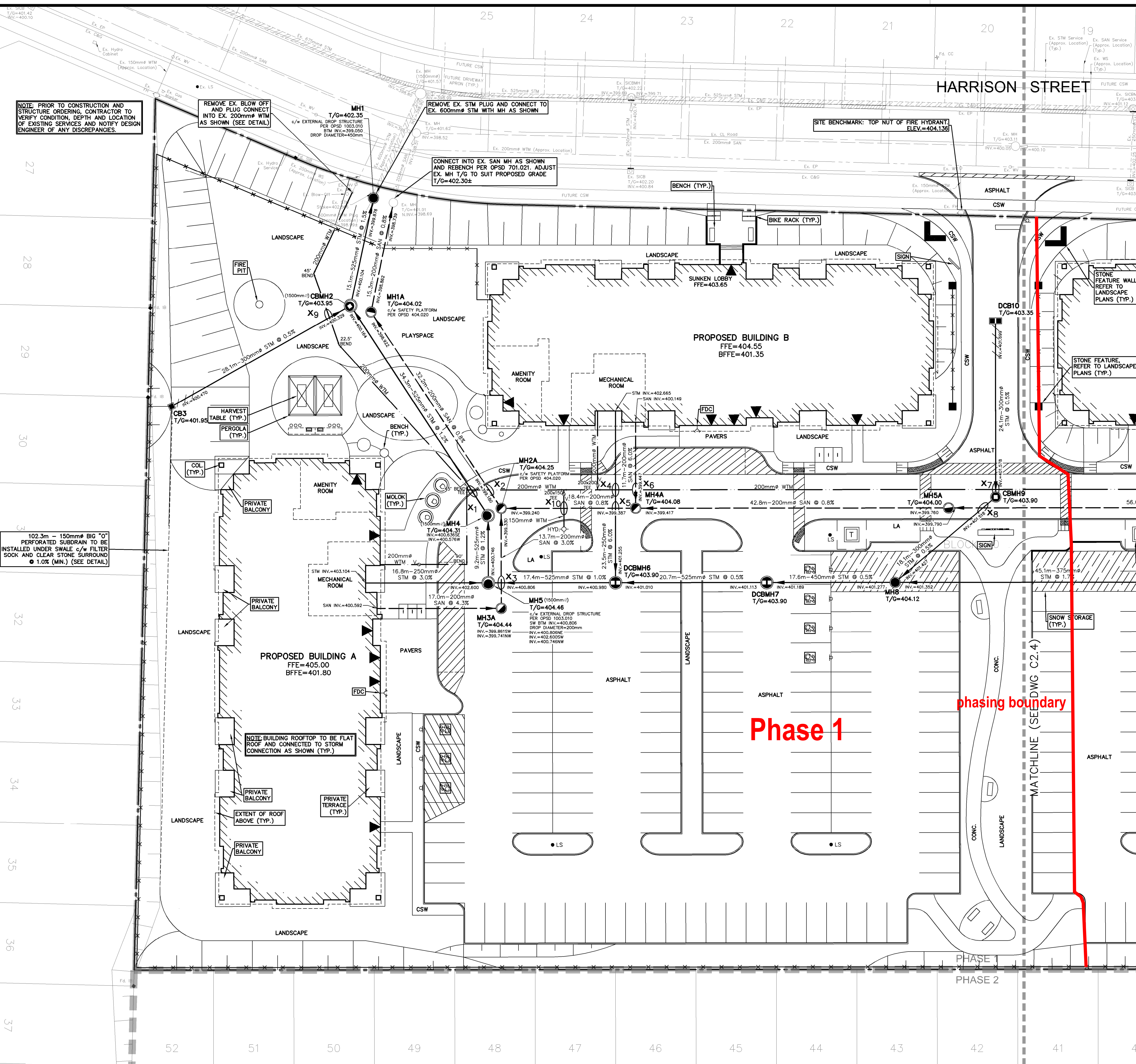
LEGEND OF PROPOSED FEATURES

- EMBANKMENT (SLOPE AS NOTED)
- SANITARY SEWER
- STORM SEWER
- PERFORATED BIG 'O' SUBDRAIN (SEE DETAIL)
- WATERMAIN
- SEWER CROSSING (REFER TO CROSSING CHART)
- SHALLOW PIPE INSULATION (SEE DETAIL)
- PROPOSED LIGHT STANDARD
- PROPOSED BUILDING
- OVERHEAD DOOR
- MAN DOOR
- FENCE
- CONCRETE CURB
- RETAINING WALL

SEWER CROSSING CHART

NOTE:
1) Maintain minimum 0.5m vertical clearance between all watermains and sewers. Where watermain is deflected, ensure 2.0m cover is achieved or watermain is installed.
2) Maintain vertical clearance at all other crossings.
3) Existing and proposed watermain depths are approximate only. Notify Design Engineer of any discrepancies.
4) Contractor to verify all existing inverts prior to product ordering. Notify Design Engineer of any discrepancies.

CROSSING #	SEWER TYPE	SEWER SIZE (mm#)	CROSSING ELEVATION	NOTES
X1	WTM	200	INV.=402.45±	
	STM	525	INV.=401.051	
X2	WTM	200	INV.=402.45±	
	SAN	200	OBV.=399.356	
X3	STM	525	INV.=400.824	
	SAN	200	OBV.=400.046	
X4	STM	250	INV.=402.023	DEFLECT WTM TO ENSURE 0.5m VERTICAL SEPARATION BETWEEN STM AND WTM
	WTM	200	OBV.=401.524	
X5	STM	250	INV.=401.867	
	SAN	200	OBV.=399.565	
X6	WTM	200	INV.=401.604	
	SAN	200	OBV.=399.795	
X7	STM	300	INV.=401.583	DEFLECT WTM TO ENSURE 0.5m (MIN.) VERTICAL SEPARATION BETWEEN STM AND WTM
	WTM	200	OBV.=401.074	
X8	STM	300	INV.=401.507	
	SAN	200	OBV.=400.010	
X9	WTM	200	INV.=401.76±	
	STM	300	OBV.=400.645	
X10	WTM	150	INV.=401.58±	
	SAN	200	OBV.=399.509	



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3.	Revised per Township's Comments	TMA	2025-01-13
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1.	ISSUED FOR SPA	TMA	2024-07-03

MTE
Engineers, Scientists, Surveyors
519-743-6500

LICENSED PROFESSIONAL ENGINEER
T.M. ARNDT
100543141
2025-01-13
PROVINCE OF ONTARIO

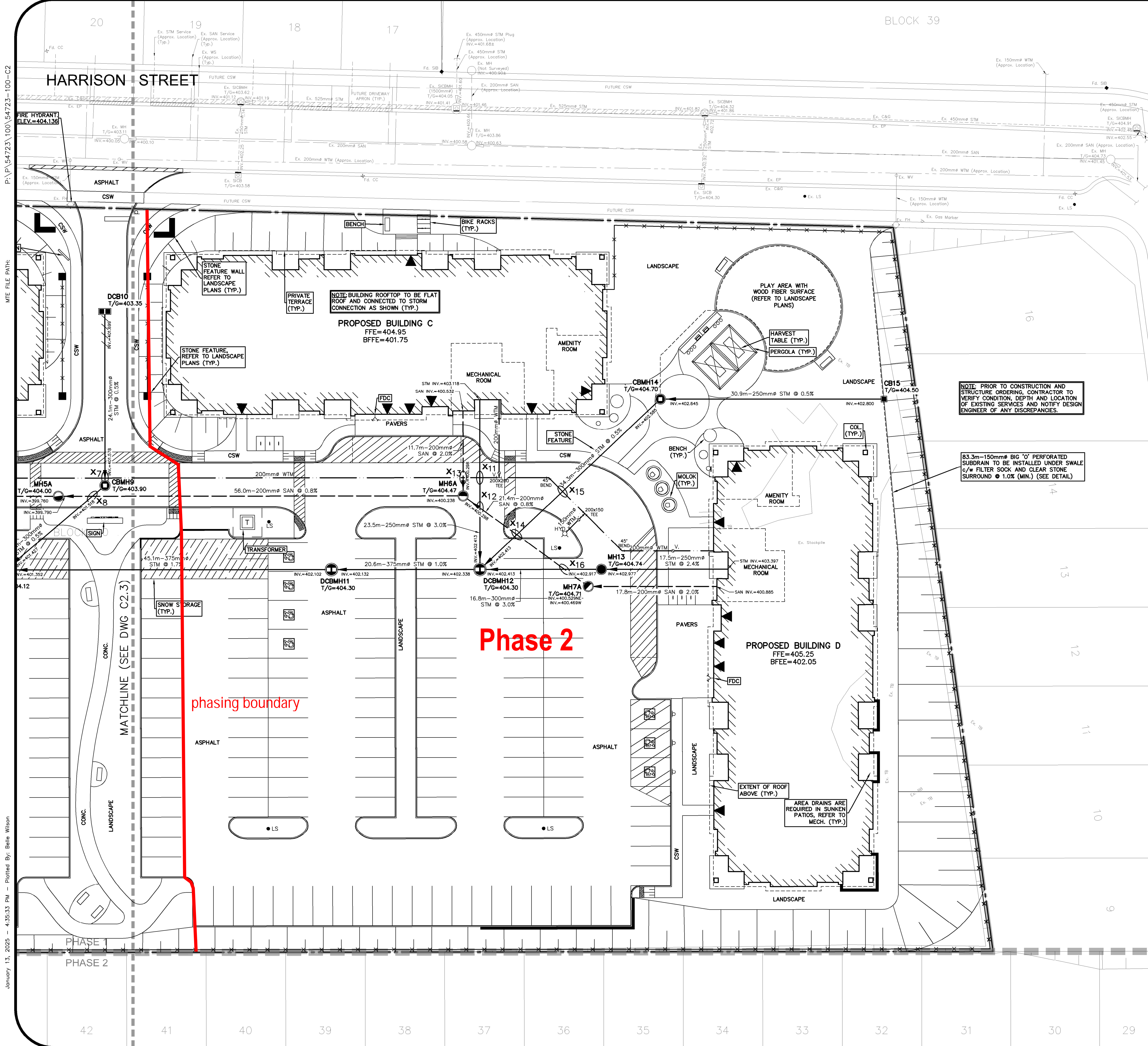
CLIENT
GRANITE HOMES SOUTH RIVER INC.
8 MILL STREET WEST ELORA

PROJECT
YOUNGBLOOD SUBDIVISION BLOCK 40 CIVIL WORKS ELORA

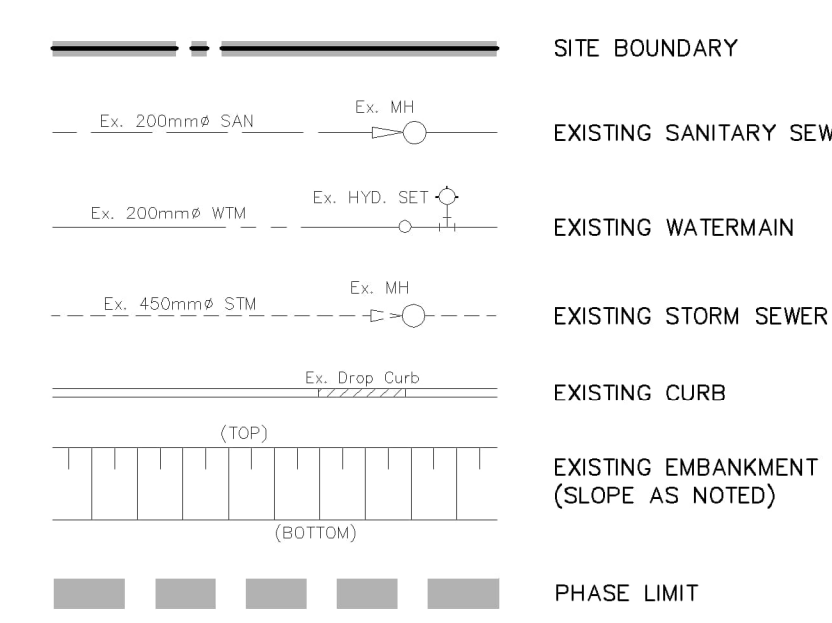
DRAWING
SITE SERVICING PLAN 1

Project Manager	T.ARNDT	Project No.	54723-100
Design By	JHN/TMA	Checked By	TMA/LEI
Drawn By	JRS/BDW	Checked By	JHN/TMA
Surveyed By	MTE	Drawing No.	C2.3
Date	Jan.31/24	Scale	1:250
Sheet	4 of 6		

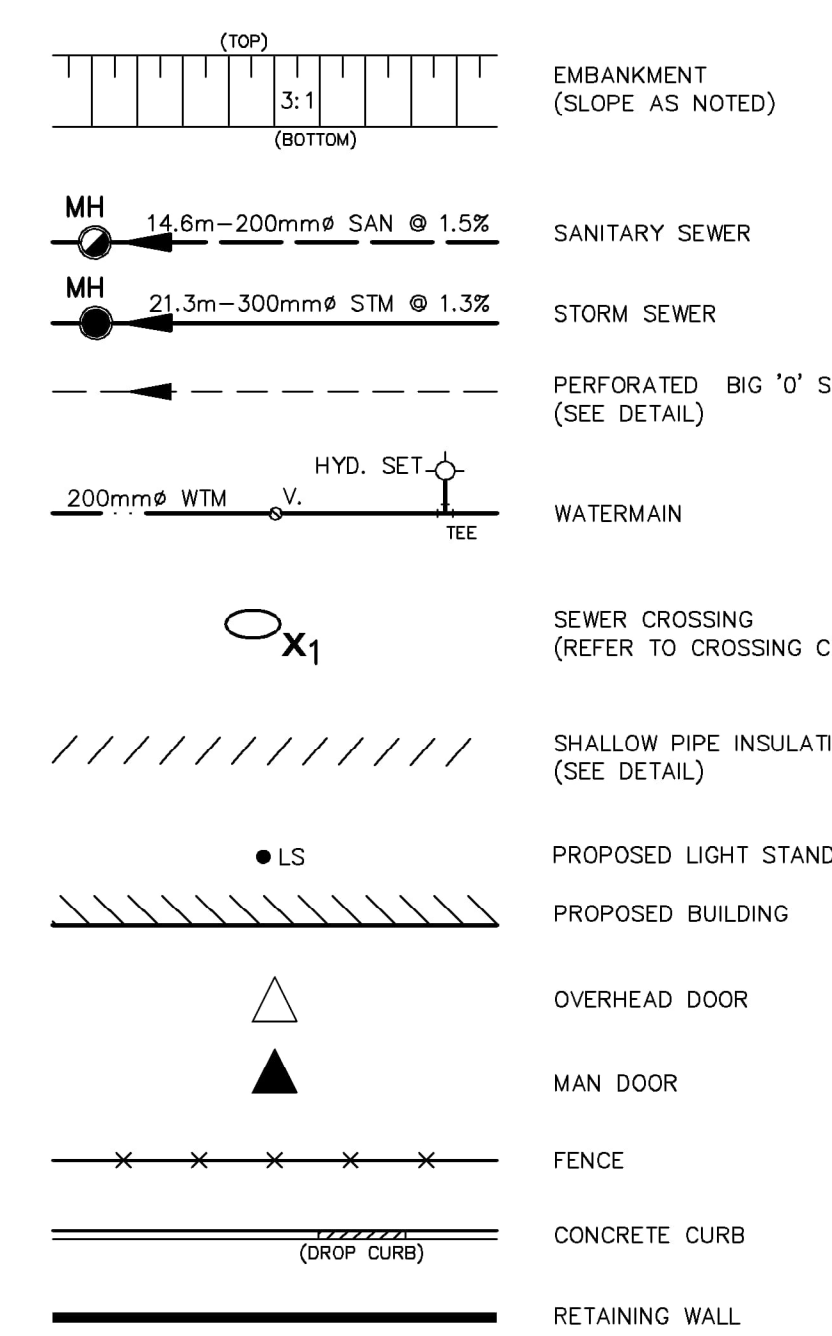
January 13, 2025 - 4:35:06 PM - Plotted By: Belle Wilson



LEGEND OF EXISTING FEATURES



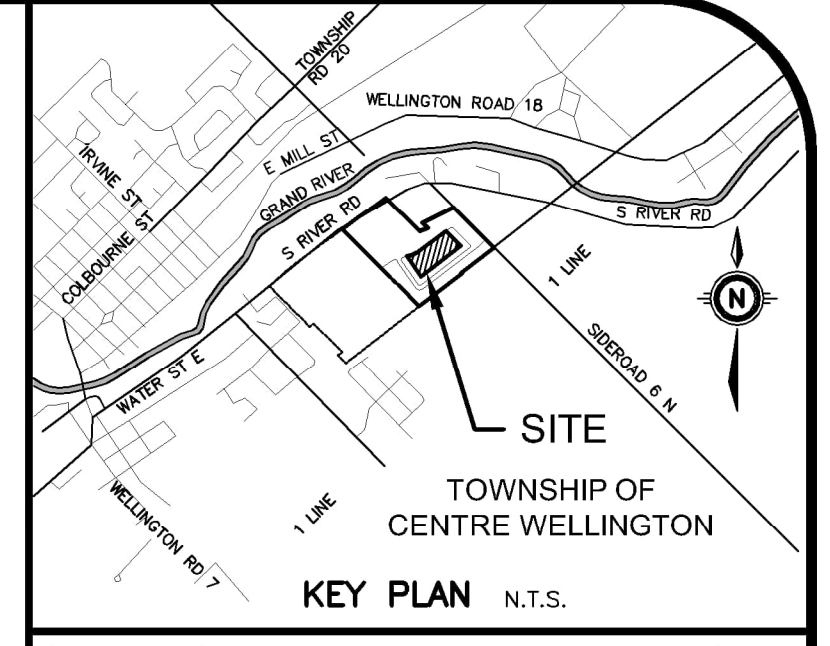
LEGEND OF PROPOSED FEATURES



SEWER CROSSING CHART

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CROSSING #	SEWER TYPE	SEWER SIZE (mm#)	CROSSING ELEVATION	NOTES
X11	STM	250	INV.=402.794	DEFLECT WTM TO ENSURE 0.5m (MIN.) VERTICAL SEPARATION BETWEEN WTM AND STM
	WTM	200	OBV.=402.29±	
	WTM	200	OBV.=402.29±	
X12	STM	250	INV.=402.668	DEFLECT WTM TO ENSURE 0.5m (MIN.) VERTICAL SEPARATION BETWEEN WTM AND STM
	SAN	200	OBV.=400.522	
	WTM	200	OBV.=402.30±	
X13	SAN	200	OBV.=400.548	DEFLECT WTM TO ENSURE 0.5m (MIN.) VERTICAL SEPARATION BETWEEN WTM AND STM
	STM	300	INV.=402.448	
	SAN	200	OBV.=400.572	
X14	STM	300	INV.=402.491	DEFLECT WTM TO ENSURE 0.5m (MIN.) VERTICAL SEPARATION BETWEEN WTM AND STM
	WTM	200	OBV.=401.99±	
	SAN	200	OBV.=402.761	
X16	STM	300	INV.=400.637	
	SAN	200	OBV.=400.637	



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CLIENT
 GRANITE HOMES SOUTH RIVER INC.
 8 MILL STREET WEST ELORA

PROJECT
 YOUNGBLOOD SUBDIVISION BLOCK 40 CIVIL WORKS
 ELORA

DRAWING
 SITE SERVICING PLAN 2

Project Manager	T.ARNDDT	Project No.	54723-100
Design By	JHN/TMA	Checked By	TMA/LEI
Drawn By	JRS/BDW	Checked By	JHN/TMA
Surveyed By	MTE	Drawing No.	
Date	Jan.31/24	C2.4	
Scale	1:250	Sheet 5 of 6	

