

**LEGEND**

---	SITE BOUNDARY
97.32	PROPOSED ELEVATION
96.32	EXISTING ELEVATION
97.80TW	PROPOSED TOP OF WALL ELEVATION
96.40BW	PROPOSED BOTTOM OF WALL ELEVATION
98.20TC	PROPOSED TOP OF CURB ELEVATION
96.85(S)	PROPOSED SWALE ELEVATION
96.80TG	PROPOSED TOP OF GRATE ELEVATION
97.20CLD	PROPOSED CENTERLINE OF DITCH ELEVATION
---	PROPOSED RETAINING WALL
FF=	FINISHED FLOOR ELEVATION
T/F=	TOP OF FOUNDATION ELEVATION
USF=	UNDERSIDE OF FOOTING ELEVATION
MUSF=	MINIMUM UNDERSIDE OF FOOTING ELEVATION
97.70	PROPOSED TERRACE ELEVATION
---	MAXIMUM 3:1 SIDESLOPE
---	PROPOSED CENTRELINE SWALE
2.0%	PROPOSED GRADE AND DIRECTION
---	MAJOR OVERLAND FLOW ROUTE
HYD	PROPOSED HYDRANT LOCATION
T/F=127.55	PROPOSED TOP OF BOTTOM FLANGE
VVB	PROPOSED VALVE & VALVE BOX
CS	PROPOSED CURB STOP LOCATION
DMA	PROPOSED WATER CHAMBER (AS PER CITY OF OTTAWA DETAIL W3)
VVC	PROPOSED VALVE & VALVE CHAMBER (AS PER CITY OF OTTAWA DETAIL W3)
100	PROPOSED SANITARY MANHOLE
100	PROPOSED STORM MANHOLE
CB1	PROPOSED ROAD CATCHBASIN
CBMH1	PROPOSED CATCHBASIN MANHOLE
RYE1	PROPOSED REAR YARD ELBOW
RYT1	PROPOSED REAR YARD TEE
W	PROPOSED WATER METER LOCATION
R	PROPOSED REMOTE WATER METER LOCATION
---	PROPOSED TWSI AS PER CITY OF OTTAWA DETAIL 7.2
97.50	STATIC PONDING LIMITS AND ELEVATION
98.00	EXISTING CONTOUR LINE AND ELEVATION
97.50	EXISTING CONTOUR LINE AND ELEVATION
97.00	EXISTING CONTOUR LINE AND ELEVATION
EX HYD	EXISTING FIRE HYDRANT
EX SANMH	EXISTING SANITARY MANHOLE
EX STMMH	EXISTING STORMMANHOLE
VVB	EXISTING WATER VALVE
HP	EXISTING HYDRO POLE
EX CB	EXISTING CATCH BASIN

**PAVEMENT STRUCTURE DETAILS**

\*REFER TO GEOTECHNICAL REPORT FOR SUBSURFACE CONDITIONS AND CONSTRUCTION RECOMMENDATIONS.

**ACCESS LANES AND HEAVY DUTY TRUCK PARKING**

- 40mm SUPERPAVE 12.5
- 50mm SUPERPAVE 19.0
- 150mm GRANULAR 'A'
- 400mm GRANULAR 'B' TYPE II
- SUBGRADE TO BE FILL, IN SITU SOIL, OR O.P.S.S. GRANULAR 'B' TYPE 1 OR 2 MATERIAL PLACED OVER IN SITU SOIL OR FILL

**LIGHT DUTY PARKING**

- 50mm HL3 OR SUPERPAVE 12.5
- 150mm GRANULAR 'A'
- 300mm GRANULAR 'B' TYPE II
- SUBGRADE TO BE FILL, IN SITU SOIL, OR O.P.S.S. GRANULAR 'B' TYPE 1 OR 2 MATERIAL PLACED OVER IN SITU SOIL OR FILL

**APPROVED**  
By Allison Hamlin at 12:52 pm, Jun 02, 2022

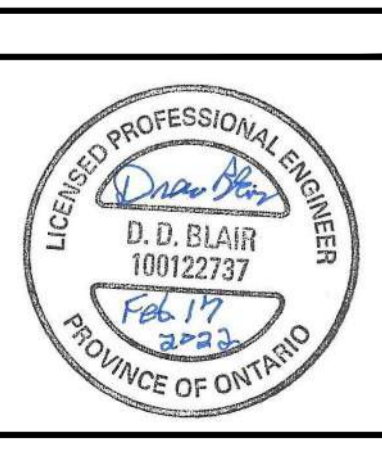
*Allison Hamlin*  
**ALLISON HAMLIN**  
MANAGER (A), DEVELOPMENT REVIEW WEST  
PLANNING, REAL ESTATE & ECONOMIC DEVELOPMENT  
DEPARTMENT, CITY OF OTTAWA

**NOTE:**  
THE POSITION OF ALL POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, DETERMINE THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

No.	REVISION	DATE	BY
3.	REVISED PER CITY COMMENTS	FEB 17/22	DDB
2.	REVISED PER CITY COMMENTS	NOV 5/21	DDB
1.	ISSUED FOR CITY OF OTTAWA REVIEW	JUN 2/21	DDB

SCALE	DESIGN
1:400	DDB
	CHECKED MSP
	DRAWN ATE
	CHECKED DDB
	APPROVED MSP

SCALE
1:400
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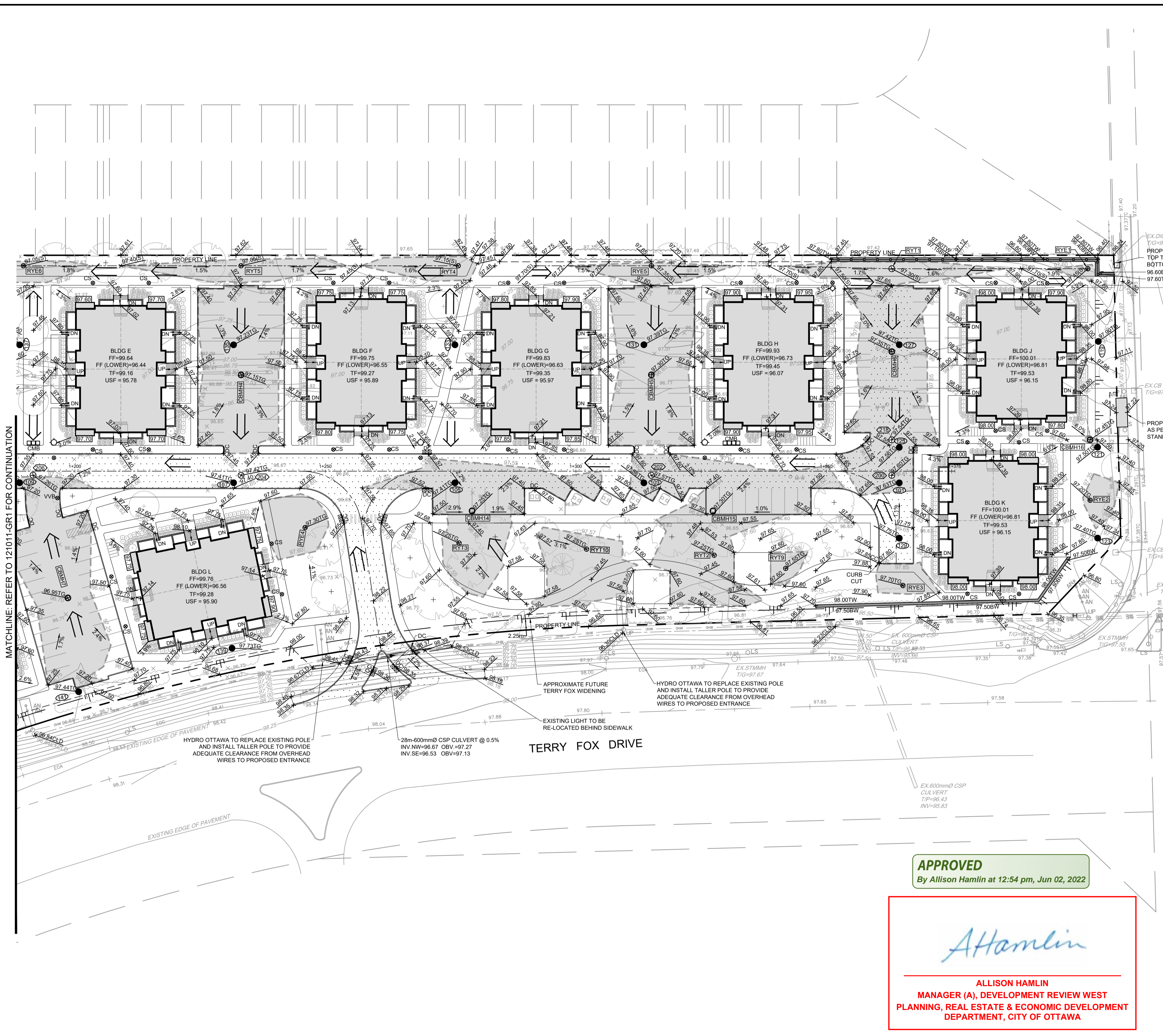
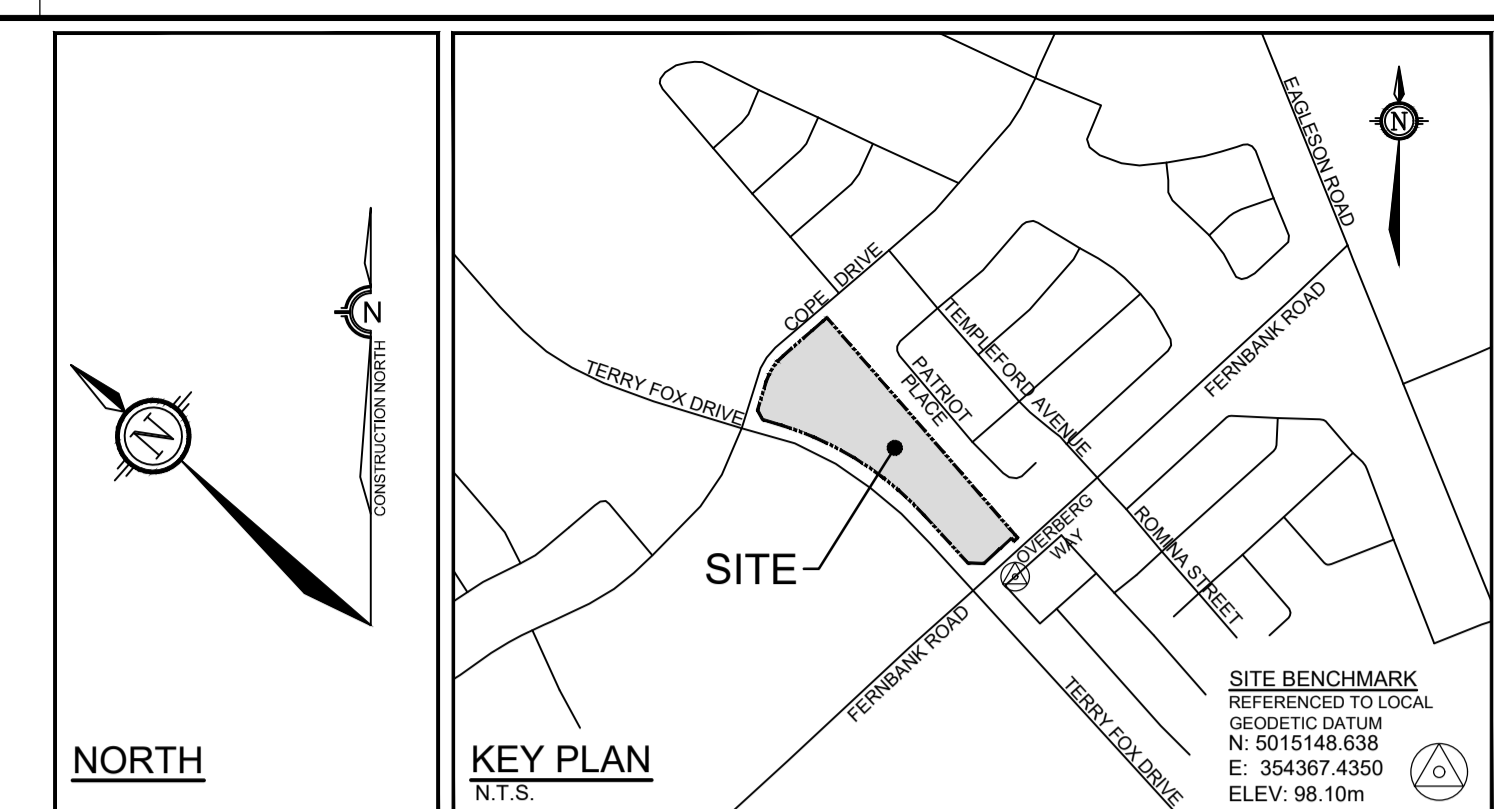


**NOVATECH**  
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Ottawa, Ontario, Canada K2M 1P6  
Telephone (613) 254-9643  
Facsimile (613) 254-5867  
Website www.novatech-eng.com

CITY OF OTTAWA 5331 FERNBANK ROAD FERNBANK ZENS		PROJECT No. 121011-00
DRAWING NAME GRADING PLAN		REV # 3 REV # 3
		DRAWING No. 121011-GR1

M:\2021\121011\121011-GR.dwg, GR1, Feb 17, 2022 - 4:47pm, jragdon

D07-12-21-0080



- LEGEND**
- SITE BOUNDARY
  - PROPOSED ELEVATION
  - EXISTING ELEVATION
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  - PROPOSED TOP OF CURB ELEVATION
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  - RYT1 PROPOSED REAR YARD TEE
  - WM PROPOSED WATER METER LOCATION
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  - TSI PROPOSED TWSI AS PER CITY OF OTTAWA DETAIL 7.2
  - 97.55 STATIC PONDING LIMITS AND ELEVATION
  - EXISTING CONTOUR LINE AND ELEVATION
  - EX-HYD EXISTING FIRE HYDRANT
  - EX-SAMH EXISTING SANITARY MANHOLE
  - EX-STMMH EXISTING STORMMANHOLE
  - VVB EXISTING WATER VALVE
  - HP EXISTING HYDRO POLE
  - EX-CB EXISTING CATCH BASIN

- PAVEMENT STRUCTURE DETAILS**  
\*REFER TO GEOTECHNICAL REPORT FOR SUBSURFACE CONDITIONS AND CONSTRUCTION RECOMMENDATIONS.
- ACCESS LANES AND HEAVY DUTY TRUCK PARKING**
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- 50mm HL3 OR SUPERPAVE 12.5
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  - SUBGRADE TO BE FILL, IN SITU SOIL, OR O.P.S.S. GRANULAR 'B' TYPE 1 OR 2 MATERIAL PLACED OVER IN SITU SOIL OR FILL

**APPROVED**  
By Allison Hamlin at 12:54 pm, Jun 02, 2022

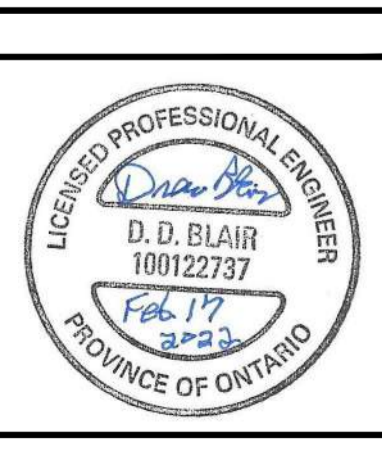
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DESIGN	SCALE
DDB	1:400
MSP	1:400
ATE	1:400
DDB	1:400
MSP	1:400

DESIGN	CHECKED	DRAWN	APPROVED
DDB	MSP	ATE	DDB
MSP			



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CITY OF OTTAWA 5331 FERNBANK ROAD FERNBANK ZENS		PROJECT No. 121011-00
DRAWING NAME GRADING PLAN		REV # 3 REV # 3
		DRAWING No. 121011-GR2
		#18539

M:\2021\121011\121011-GR2.dwg GR2, Feb 17, 2022, 4:47pm, jgraham

D07-12-21-0080