

GEOGRAPHIC LOCATION: LATITUDE: 43° 04' 06.9" N LONGITUDE: 79° 08' 05.0" W

NOTE: THE 15 STOREY TOWER TO TOP OF MECHANICAL PENTHOUSE DEFINES THE STUDY COVERAGE AREA OF 10 x 53.0 M = 530 M TO EAST, WEST & NORTH OF PROPERTY, AND 2 x 53.0 M = 106 M TO SOUTH OF PROPERTY

INCREMENTAL SHADOW COMPARISON

CURRENT BUILDING SHADOW LENGTH*: ADDITIONAL BUILDING SHADOW LENGTH AT 13 STOREYS**: + 45.2 m ADDITIONAL BUILDING SHADOW LENGTH AT 15 STOREYS**: + 52.4 m

* FROM APPROXIMATE 6.0M HEIGHT

**FROM TOP OF MAIN BUILDING BODY AT:

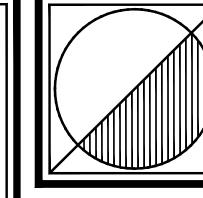
13 STOREYS: 41.25 M 15 STOREYS: 46.80 M

OR FROM TOP OF PENTHOUSE IF APPLICABLE, NOTED AS 'P'

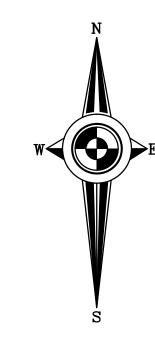
13 STOREYS: 47.35 M 15 STOREYS: 53.0 M

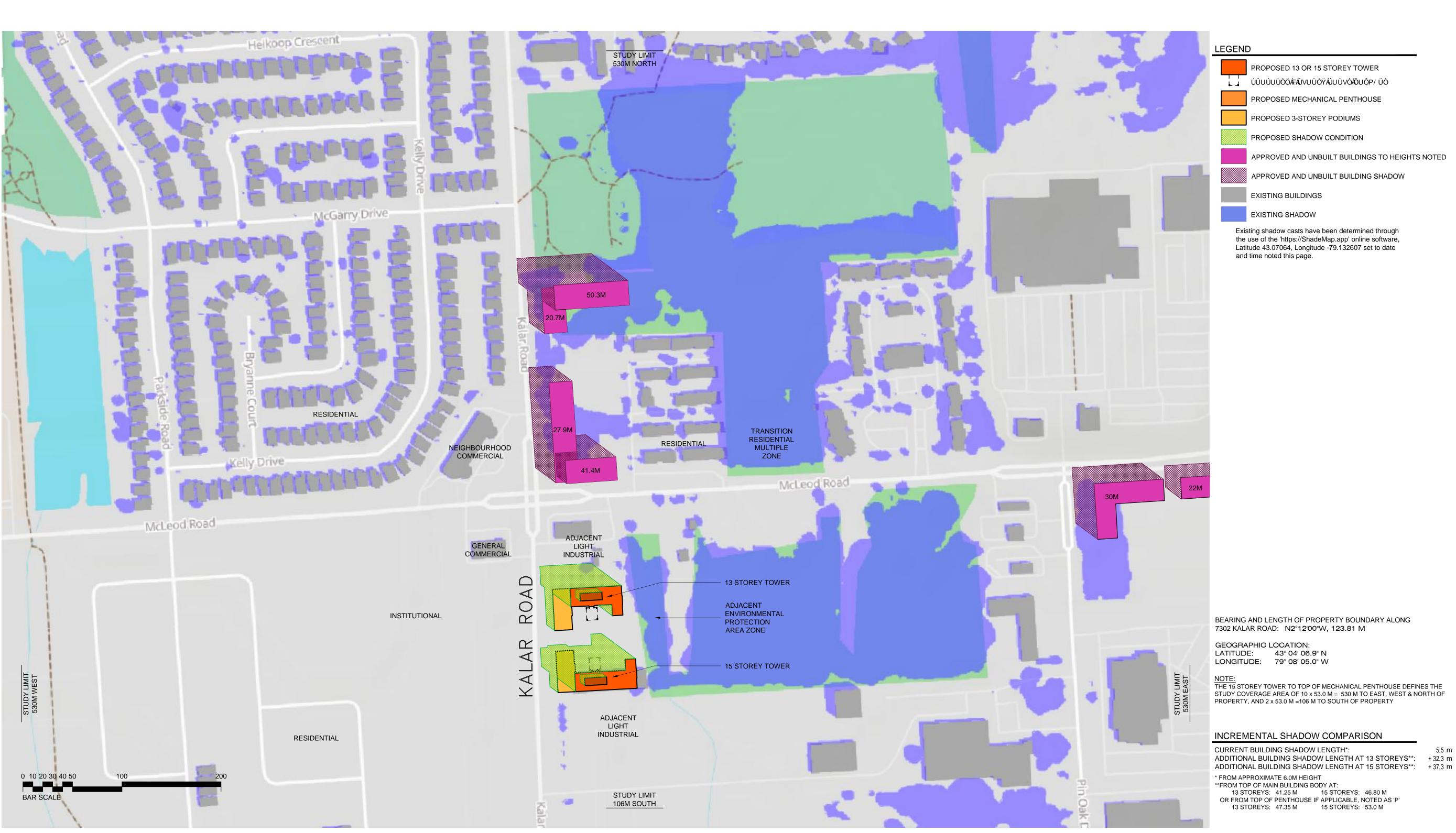
APRIL 21 at 10:00 AM

SCALE: 1:2000



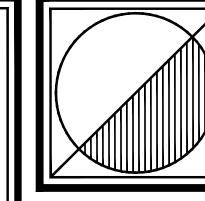






APRIL 21 at 11:00 AM

SCALE: 1:2000



Christia Niagara Falls, Ontario L2E 6C5
hone: 905-357-112 e-mail: plesdow@cogeco.net

OF OF OO ARCHITECTS Z

PETER J. LESDOW
LICENCE
3745

3745

SHADOW STUDY APRIL 21 at 11:00 AM

DATE REVISIONS

PRE-CONSULTATION APPLICATION

Feb. 27/ 24 FOR OPA/ZBA APPLICATION

Fiul. 12/ 24 TO ADDRESS CITY OPA/ZBA COMMENTS

APARTMENTS

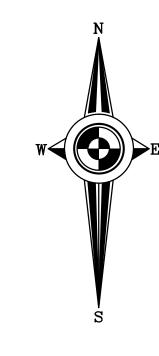
DATE: Jul. 25/24

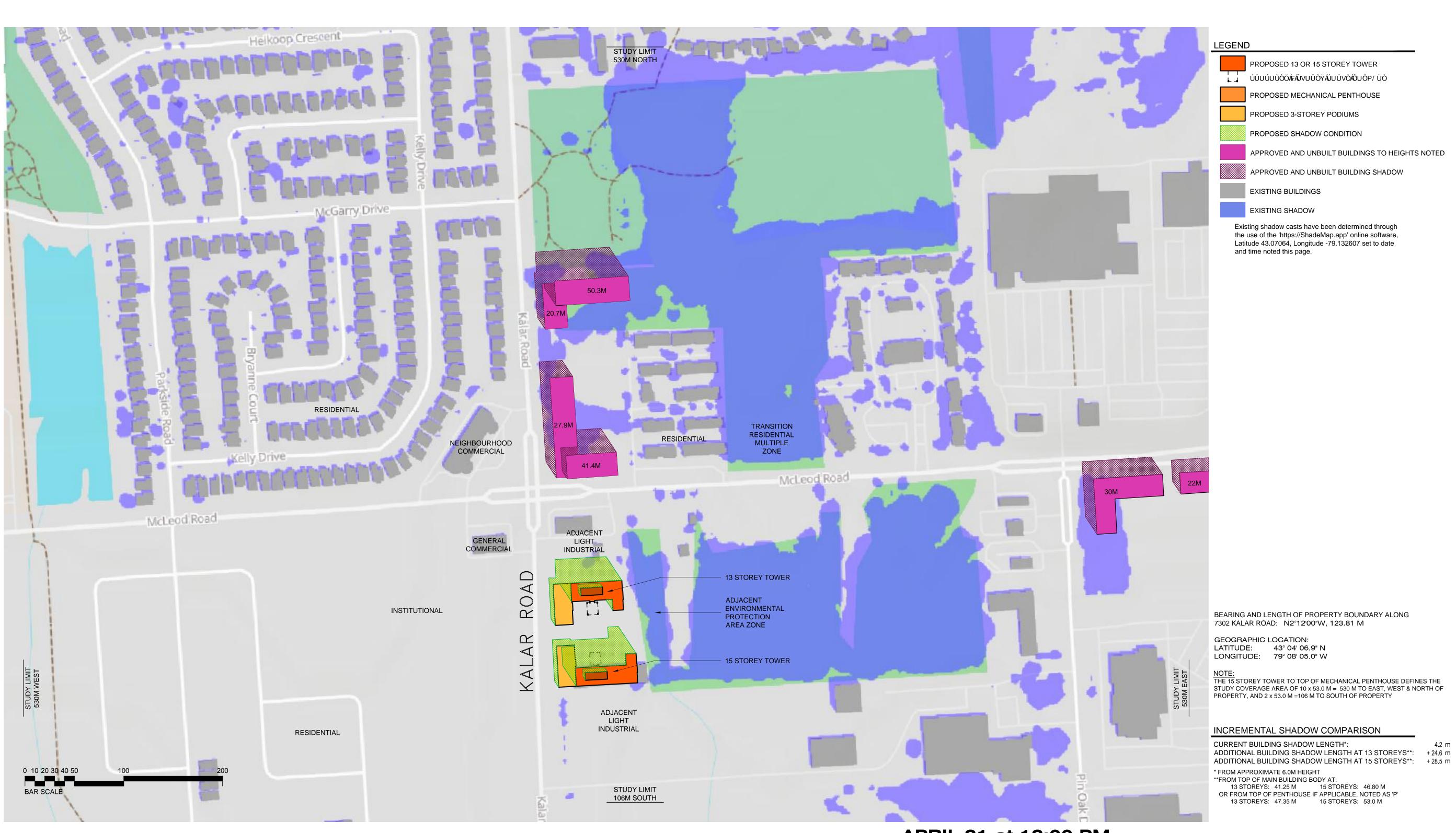
SCALE: AS NOTED

DRAWN BY: MRW

CHECK BY: PJI

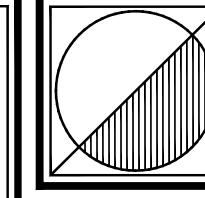
23 - 05





APRIL 21 at 12:00 PM

SCALE: 1:2000



nit 11 at Niagara Falls, Ontario L2E 6C5
12 e-mail: plesdow@cogeco.net

OF OF OF O ARCHITECTS Z

PETER J. LESDOW
LICENCE
3745

SHADOW STUDY APRIL 21 at 12:00 PM

DATE REVISIONS
of 08/ 23 PRE-CONSULTATION APPLICATION
bb. 27/ 24 FOR OPA/ZBA APPLICATION
of 12/ 24 TO ADDRESS CITY OPA/ZBA COMMENTS

APARTMENTS
7302 Kalar Road

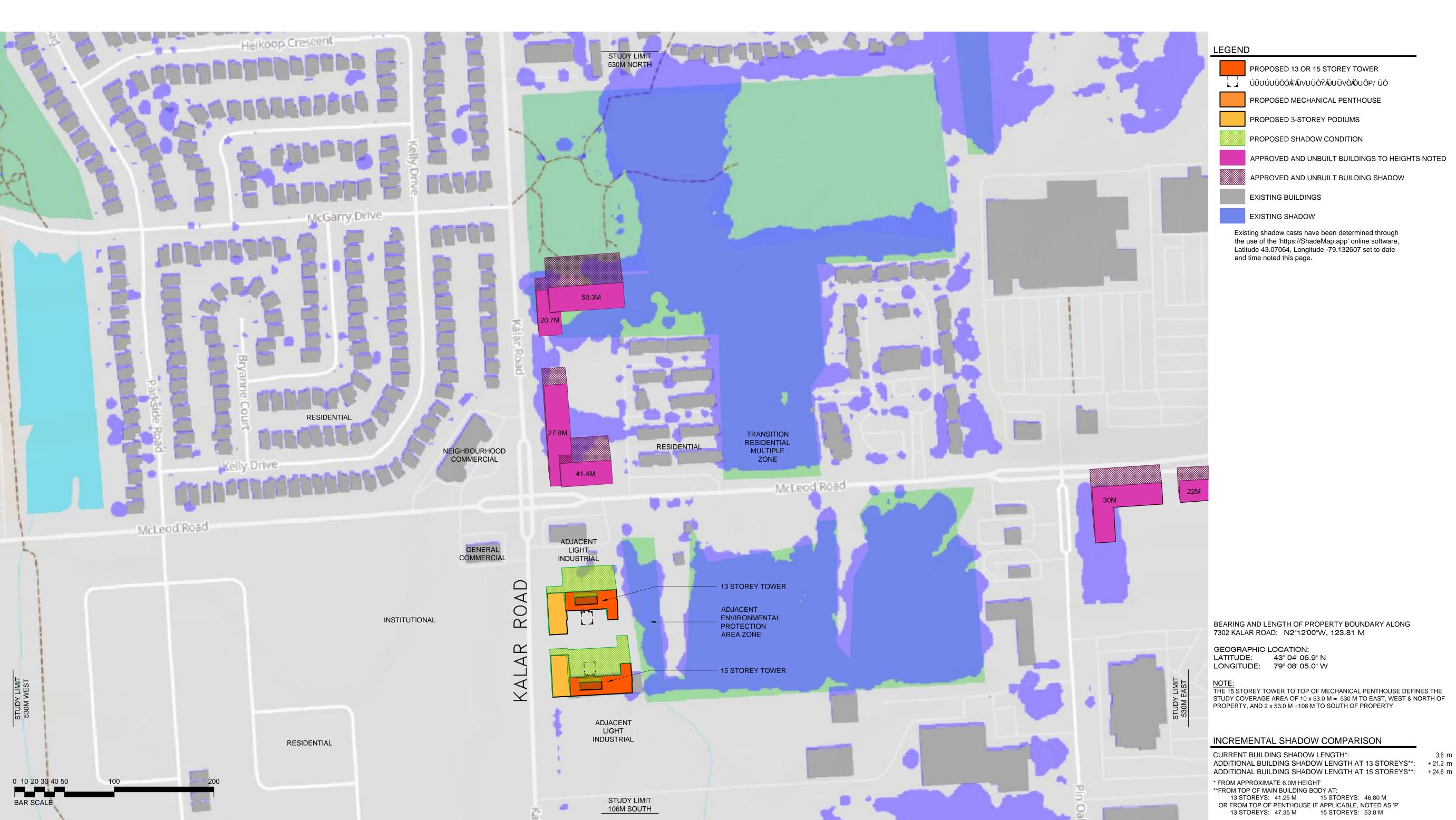
DATE: Jul. 25/24

SCALE: AS NOTED

DRAWN BY: MRW

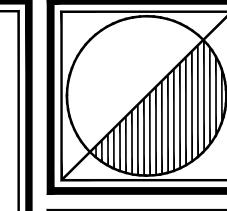
23 - 05





APRIL 21 at 1:00 PM

SCALE: 1:2000



Seter J. Lessdow

a r c h i t e c t

4465 Drummond Road, Unit 11 at Niagara Falls, Ontario L2E 6C5



SHADOW STUDY APRIL 21 at 1:00 PM

DATE REVISIONS
pr. 08/ 23 PRE-CONSULTATION APPLICATION
eb. 27/ 24 FOR OPA/ZBA APPLICATION
ul. 12/ 24 TO ADDRESS CITY OPA/ZBA COMMENTS

APARTMENTS

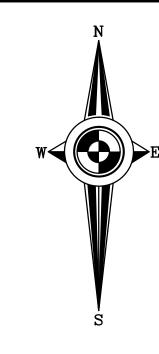
DATE: Jul. 25/24

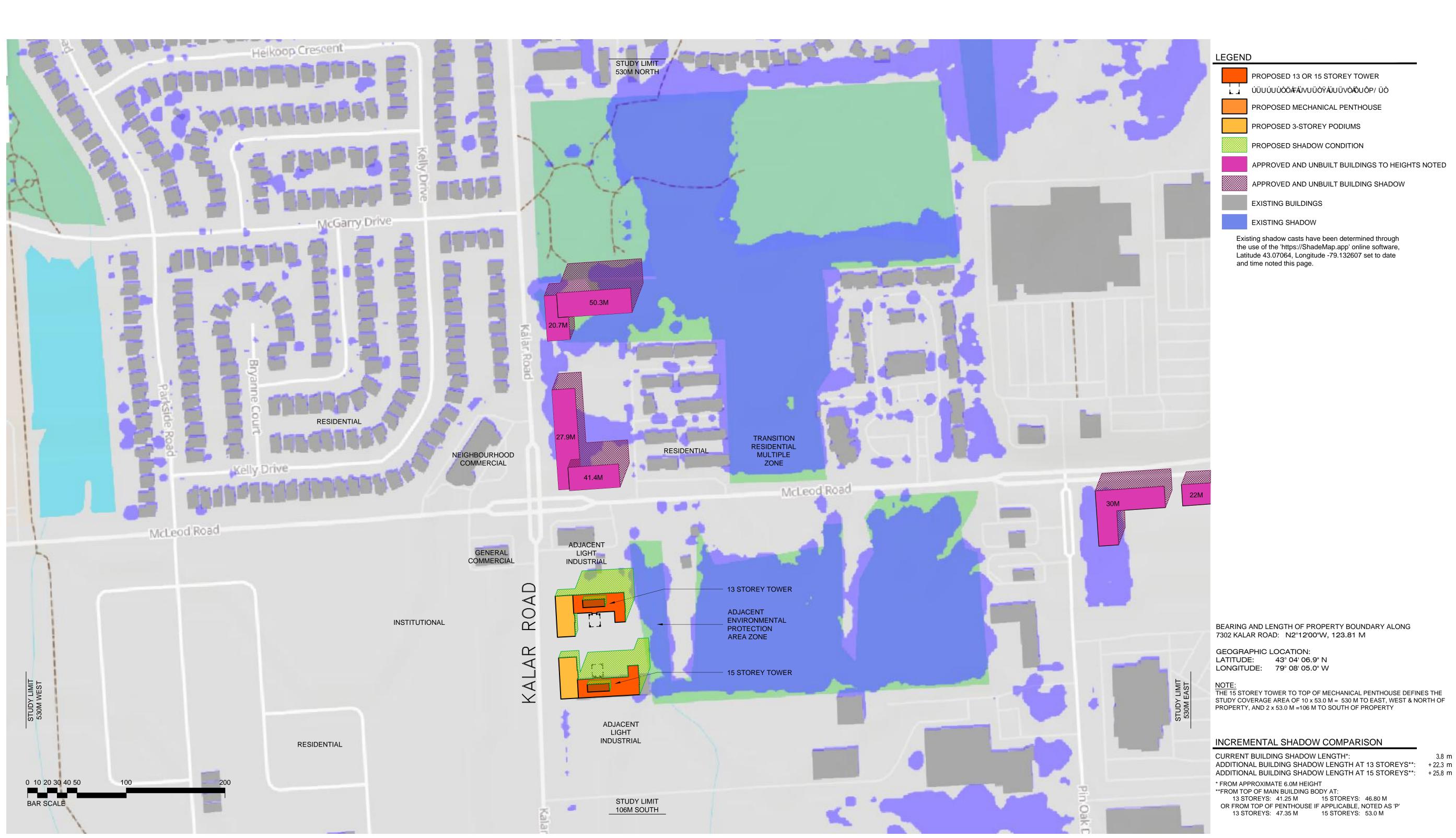
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CHECK BY: P.II

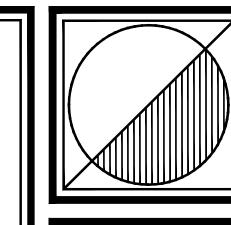
23 – 05





APRIL 21 at 2:00 PM

SCALE: 1:2000



Peter J. Lessdow
a r c h i t e c t



SHADOW STUDY APRIL 21 at 2:00 PM

DATE REVISIONS

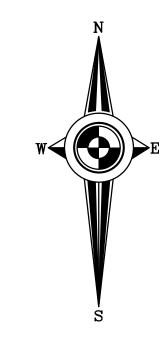
Apr. 08/ 23 PRE-CONSULTATION APPLICATION
Feb. 27/ 24 FOR OPA/ZBA APPLICATION
Jul. 12/ 24 TO ADDRESS CITY OPA/ZBA COMMENTS

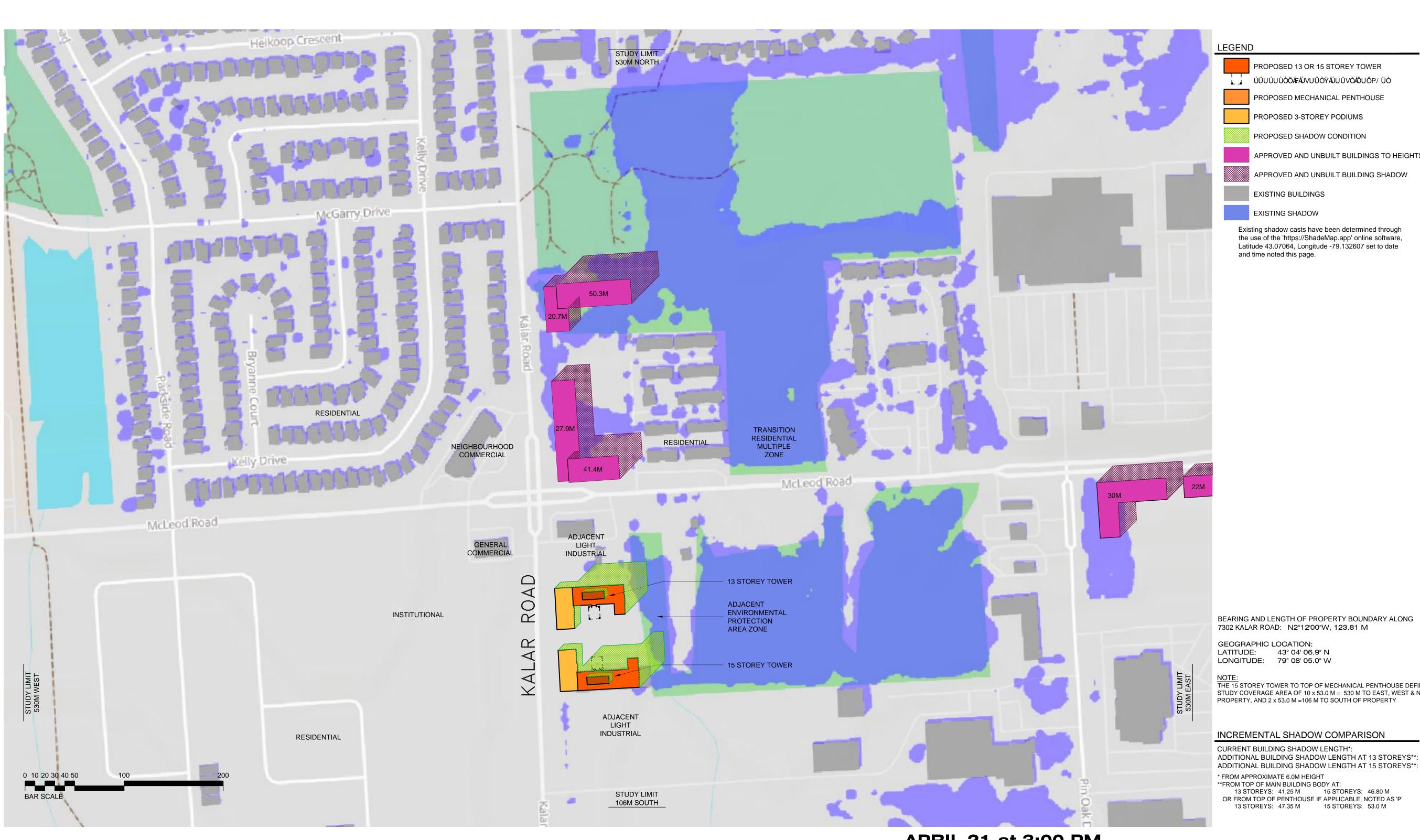
APARTMENTS
7302 Kalar Road

DATE: Jul. 25/24
SCALE: AS NOTED
DRAWN BY: MRW
CHECK BY: PJL

23 - 05







PROPOSED SHADOW CONDITION

EXISTING BUILDINGS

EXISTING SHADOW

APPROVED AND UNBUILT BUILDINGS TO HEIGHTS NOTED

APPROVED AND UNBUILT BUILDING SHADOW

GEOGRAPHIC LOCATION: LATITUDE: 43° 04' 06.9" N LONGITUDE: 79° 08' 05.0" W

NOTE: THE 15 STOREY TOWER TO TOP OF MECHANICAL PENTHOUSE DEFINES THE STUDY COVERAGE AREA OF 10 x 53.0 M = 530 M TO EAST, WEST & NORTH OF PROPERTY, AND 2 x 53.0 M = 106 M TO SOUTH OF PROPERTY

INCREMENTAL SHADOW COMPARISON

CURRENT BUILDING SHADOW LENGTH*: ADDITIONAL BUILDING SHADOW LENGTH AT 13 STOREYS**: + 27.8 m ADDITIONAL BUILDING SHADOW LENGTH AT 15 STOREYS**: + 32.2 m * FROM APPROXIMATE 6.0M HEIGHT

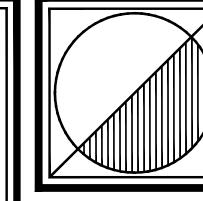
**FROM TOP OF MAIN BUILDING BODY AT:

13 STOREYS: 41.25 M 15 STOREYS: 46.80 M
OR FROM TOP OF PENTHOUSE IF APPLICABLE, NOTED AS 'P'

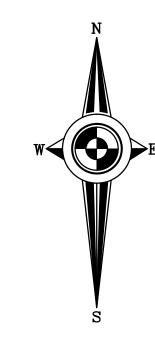
13 STOREYS: 47.35 M 15 STOREYS: 53.0 M

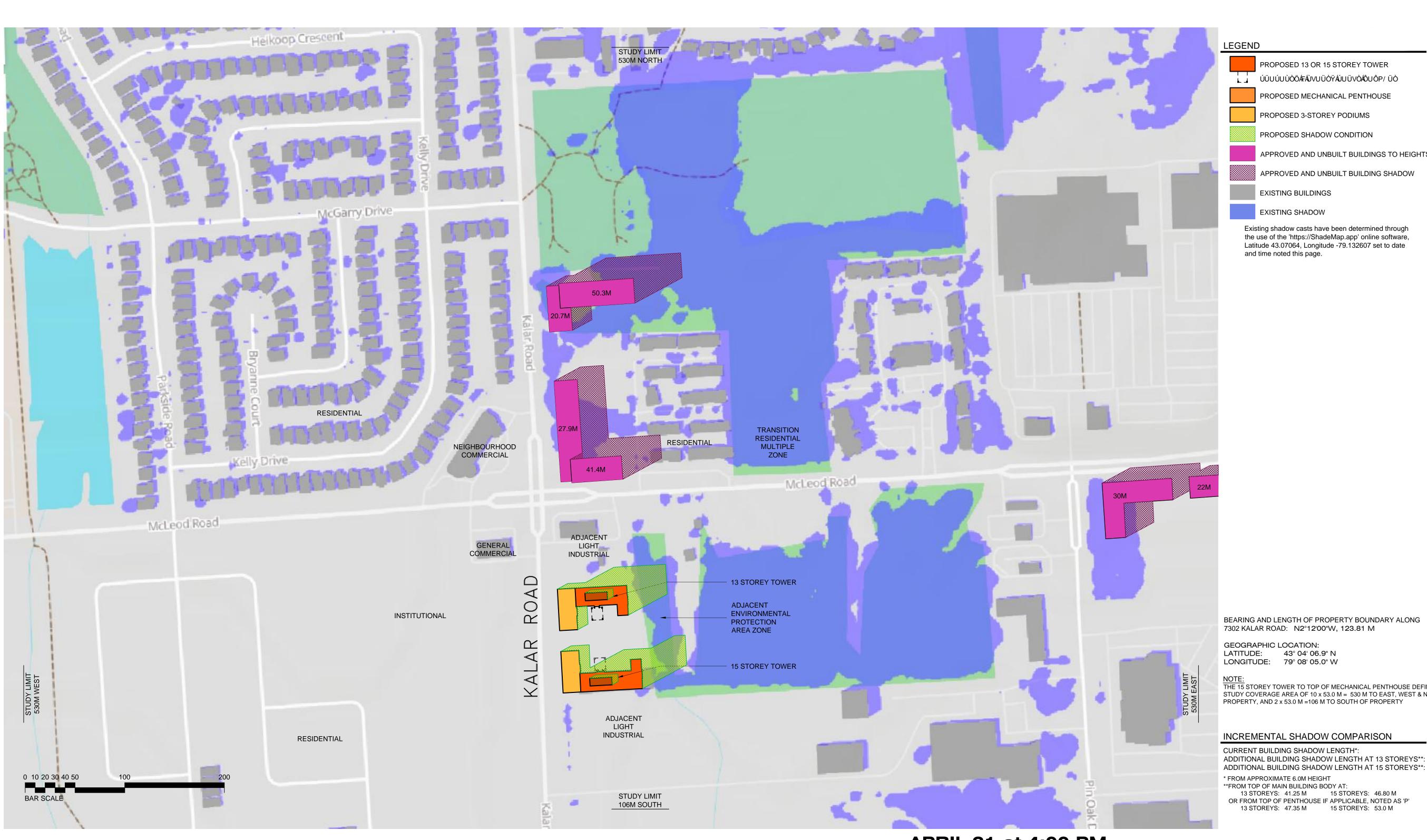
APRIL 21 at 3:00 PM

SCALE: 1:2000









PROPOSED 13 OR 15 STOREY TOWER

PROPOSED MECHANICAL PENTHOUSE

PROPOSED 3-STOREY PODIUMS

EXISTING BUILDINGS

EXISTING SHADOW

PROPOSED SHADOW CONDITION

APPROVED AND UNBUILT BUILDINGS TO HEIGHTS NOTED

APPROVED AND UNBUILT BUILDING SHADOW

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INCREMENTAL SHADOW COMPARISON

CURRENT BUILDING SHADOW LENGTH*: ADDITIONAL BUILDING SHADOW LENGTH AT 13 STOREYS**: + 37.8 m ADDITIONAL BUILDING SHADOW LENGTH AT 15 STOREYS**: + 43.8 m * FROM APPROXIMATE 6.0M HEIGHT

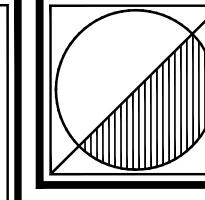
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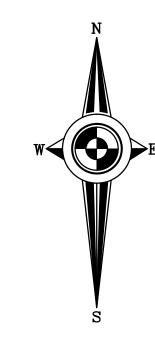
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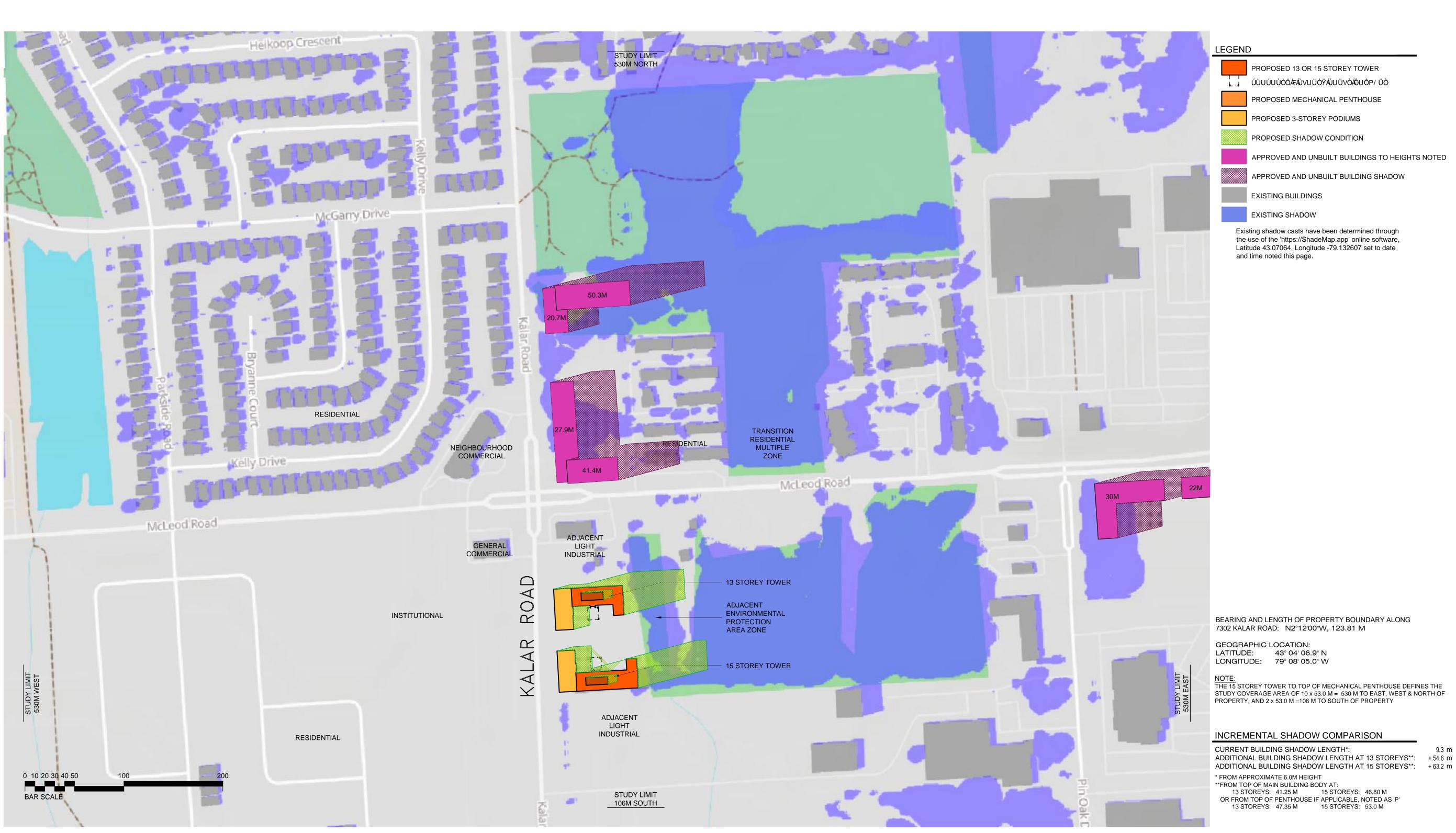
APRIL 21 at 4:00 PM

SCALE: 1:2000



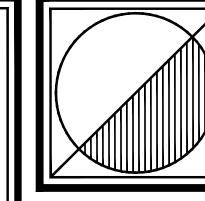






APRIL 21 at 5:00 PM

SCALE: 1:2000



Proad, Unit 11 at Niagara Falls, Ontario LZE 6C5
-357-1112 e-mail: plesdow@cogeco.net

SHADOW STUDY APRIL 21 at 5:00 PM

DATE REVISIONS

UP. 08/ 23 PRE-CONSULTATION APPLICATION

eb. 27/ 24 FOR OPA/ZBA APPLICATION

iui. 12/ 24 TO ADDRESS CITY OPA/ZBA COMMENTS

APARTMENTS
7302 Kalar Road

DATE: Jul. 25/24

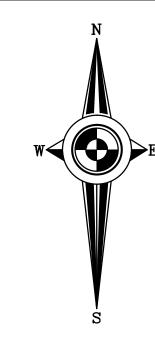
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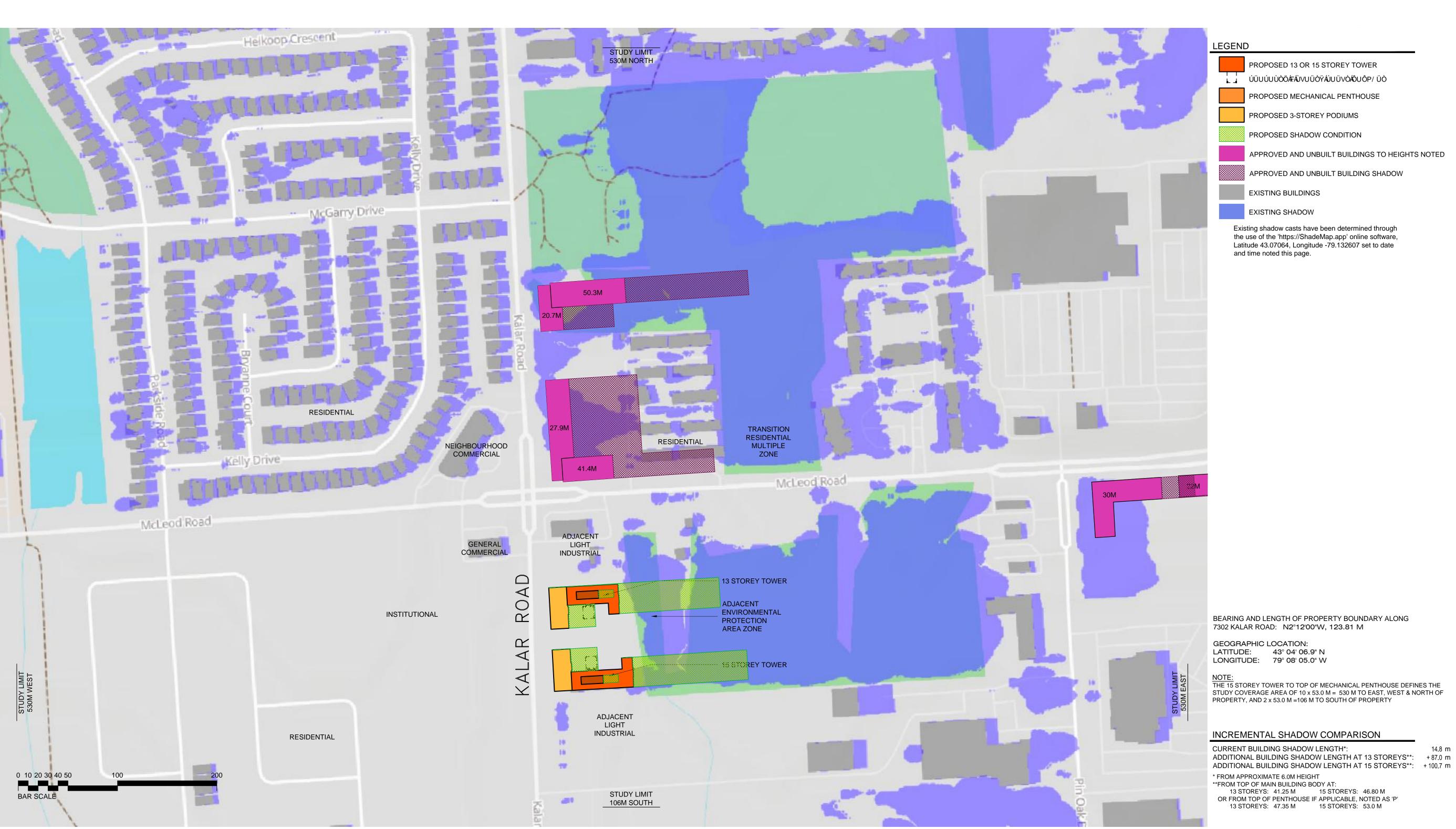
DRAWN BY: MRW

CHECK BY: PJI

23 - 05

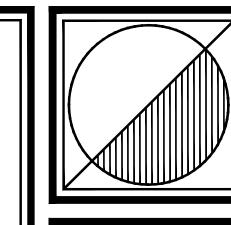






APRIL 21 at 6:00 PM

SCALE: 1:2000



Peter J. Lesdow

a r c h i t e c t

4465 Drummond Road, Unit 11 at Niagara Falls, Ontario L2E 6C5



SHADOW STUDY APRIL 21 at 6:00 PM

DATE REVISIONS
Apr. 08/ 23 PRE-CONSULTATION APPLICATION
Feb. 27/ 24 FOR OPA/ZBA APPLICATION
Jul. 12/ 24 TO ADDRESS CITY OPA/ZBA COMMENTS

APARTMENTS
7302 Kalar Road

DATE: Jul. 25/24

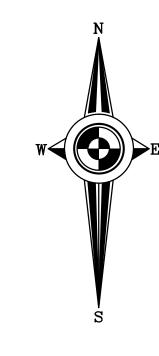
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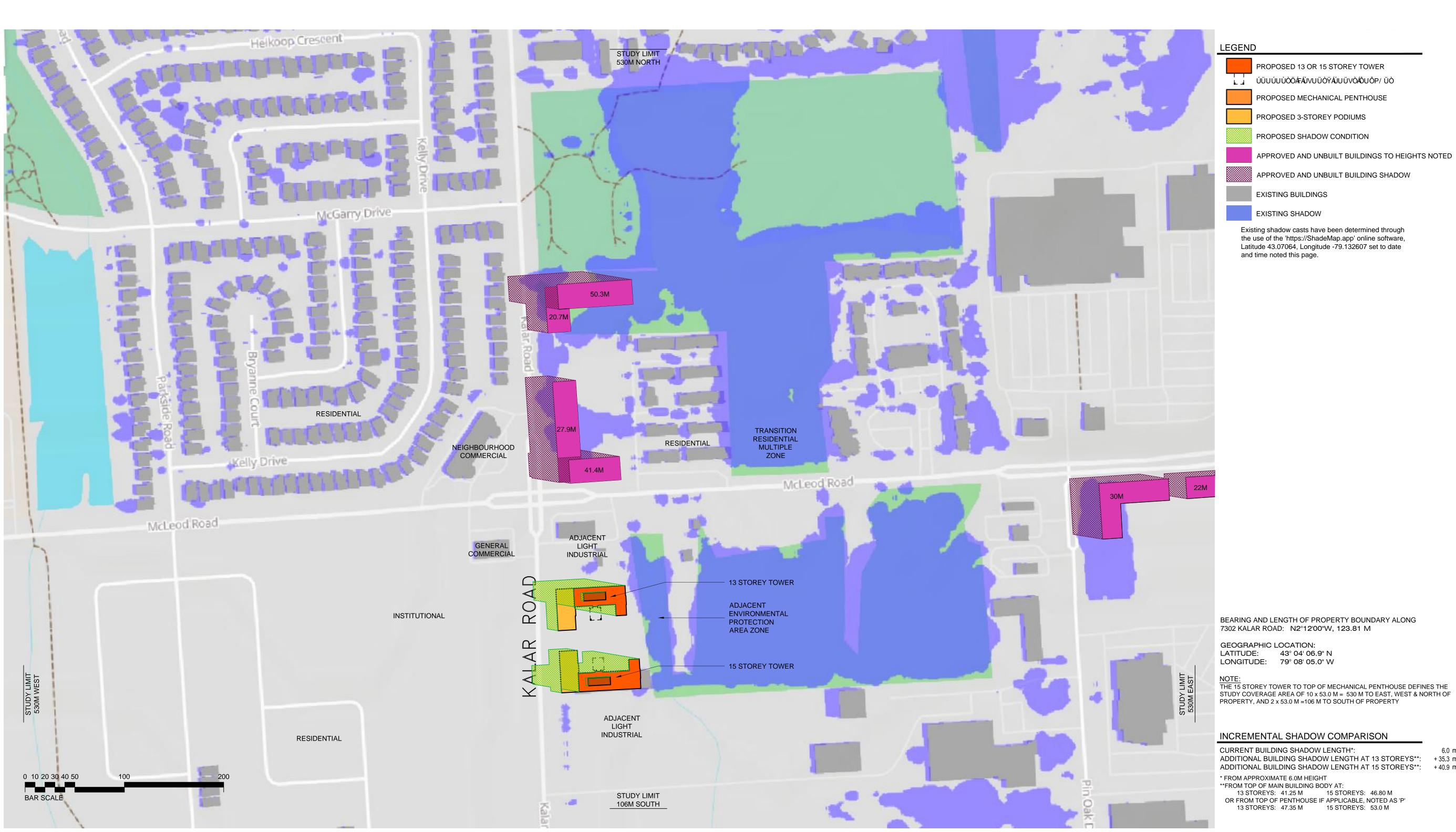
DRAWN BY: MRW

CHECK BY: P.II

23 - 05







BEARING AND LENGTH OF PROPERTY BOUNDARY ALONG 7302 KALAR ROAD: N2°12'00"W, 123.81 M

GEOGRAPHIC LOCATION: LATITUDE: 43° 04' 06.9" N LONGITUDE: 79° 08' 05.0" W

NOTE: THE 15 STOREY TOWER TO TOP OF MECHANICAL PENTHOUSE DEFINES THE STUDY COVERAGE AREA OF 10 x 53.0 M = 530 M TO EAST, WEST & NORTH OF PROPERTY, AND 2 x 53.0 M = 106 M TO SOUTH OF PROPERTY

INCREMENTAL SHADOW COMPARISON

CURRENT BUILDING SHADOW LENGTH*: ADDITIONAL BUILDING SHADOW LENGTH AT 13 STOREYS**: + 35.3 m ADDITIONAL BUILDING SHADOW LENGTH AT 15 STOREYS**: + 40.9 m

* FROM APPROXIMATE 6.0M HEIGHT

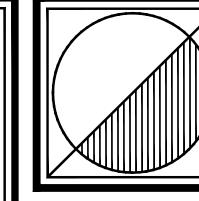
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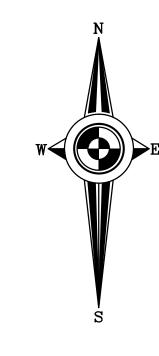
13 STOREYS: 41.25 M 15 STOREYS: 46.80 M

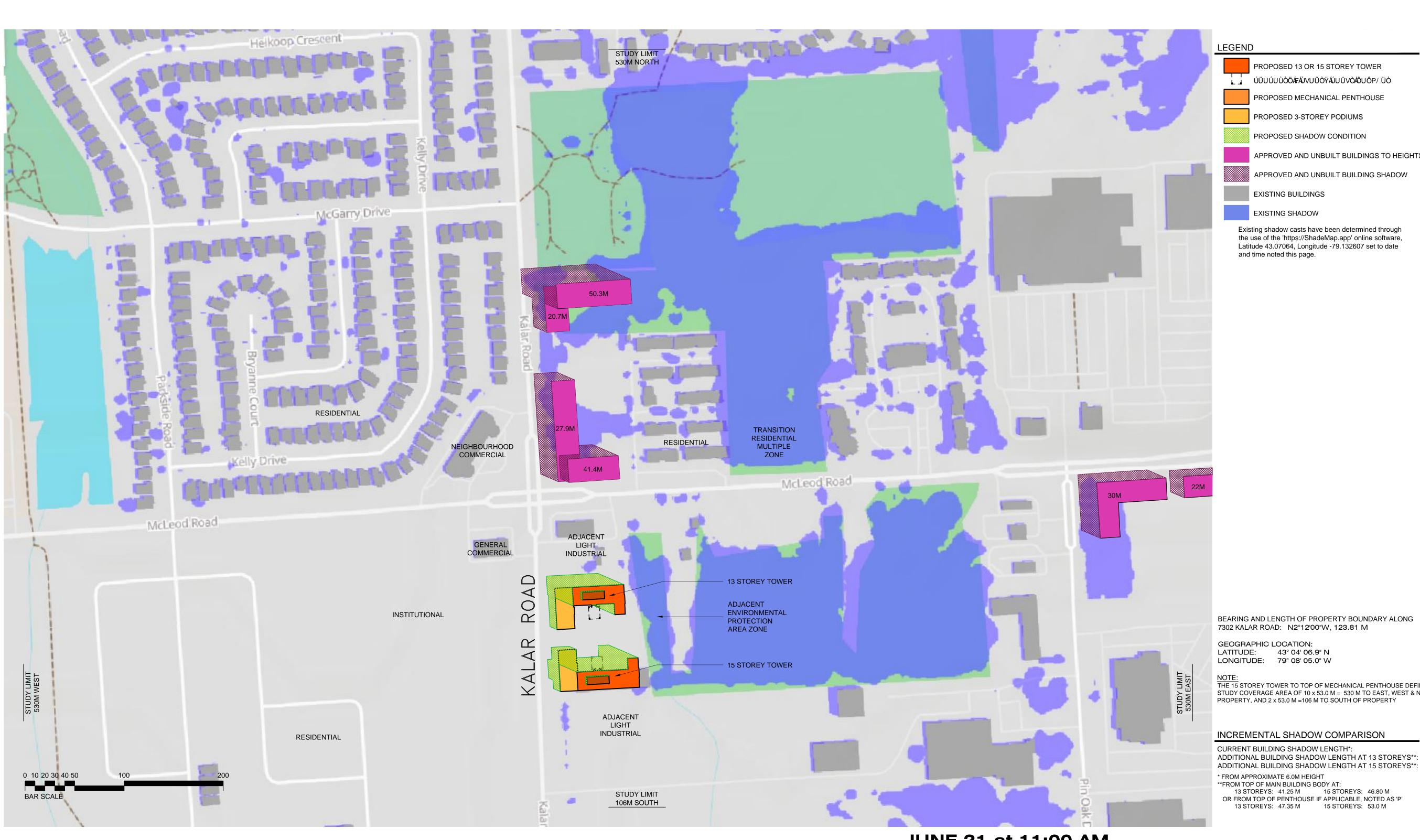
OR FROM TOP OF PENTHOUSE IF APPLICABLE, NOTED AS 'P'

13 STOREYS: 47.35 M 15 STOREYS: 53.0 M

JUNE 21 at 10:00 AM







PROPOSED 13 OR 15 STOREY TOWER

PROPOSED SHADOW CONDITION

EXISTING BUILDINGS

EXISTING SHADOW

APPROVED AND UNBUILT BUILDINGS TO HEIGHTS NOTED

APPROVED AND UNBUILT BUILDING SHADOW

GEOGRAPHIC LOCATION: LATITUDE: 43° 04' 06.9" N LONGITUDE: 79° 08' 05.0" W

NOTE: THE 15 STOREY TOWER TO TOP OF MECHANICAL PENTHOUSE DEFINES THE STUDY COVERAGE AREA OF 10 x 53.0 M = 530 M TO EAST, WEST & NORTH OF PROPERTY, AND 2 x 53.0 M = 106 M TO SOUTH OF PROPERTY

INCREMENTAL SHADOW COMPARISON

CURRENT BUILDING SHADOW LENGTH*: ADDITIONAL BUILDING SHADOW LENGTH AT 13 STOREYS**: + 24.3 m ADDITIONAL BUILDING SHADOW LENGTH AT 15 STOREYS**: + 28.1 m

* FROM APPROXIMATE 6.0M HEIGHT

**FROM TOP OF MAIN BUILDING BODY AT:

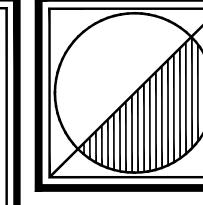
13 STOREYS: 41.25 M 15 STOREYS: 46.80 M

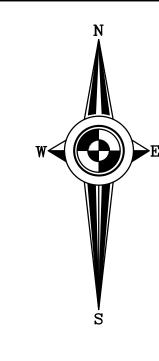
OR FROM TOP OF PENTHOUSE IF APPLICABLE, NOTED AS 'P'

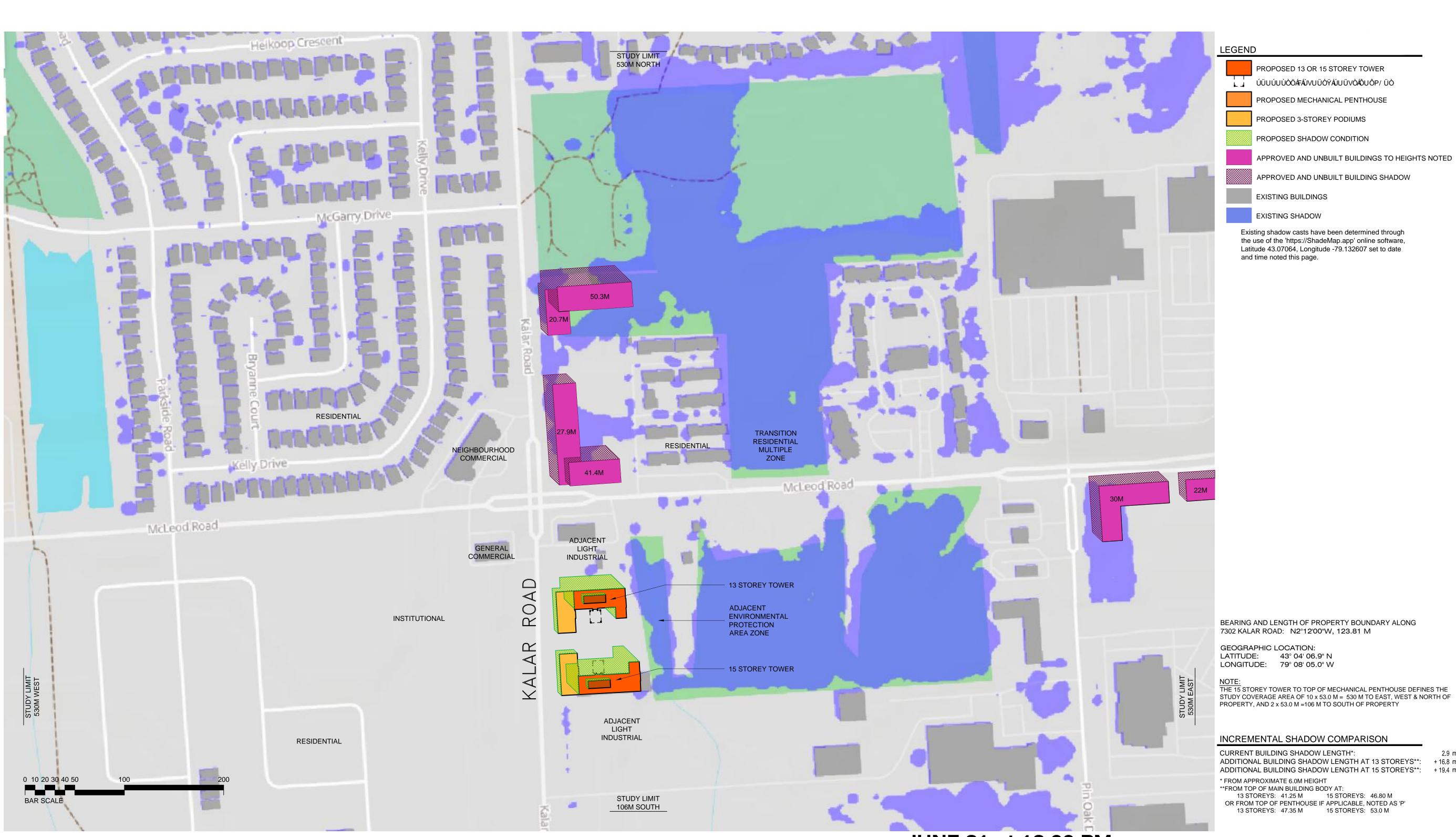
13 STOREYS: 47.35 M 15 STOREYS: 53.0 M

JUNE 21 at 11:00 AM

SCALE: 1:2000







7302 KALAR ROAD: N2°12'00"W, 123.81 M GEOGRAPHIC LOCATION: LATITUDE: 43° 04' 06.9" N

NOTE: THE 15 STOREY TOWER TO TOP OF MECHANICAL PENTHOUSE DEFINES THE STUDY COVERAGE AREA OF 10 x 53.0 M = 530 M TO EAST, WEST & NORTH OF PROPERTY, AND 2 x 53.0 M = 106 M TO SOUTH OF PROPERTY

INCREMENTAL SHADOW COMPARISON

CURRENT BUILDING SHADOW LENGTH*: ADDITIONAL BUILDING SHADOW LENGTH AT 13 STOREYS**: + 16.8 m ADDITIONAL BUILDING SHADOW LENGTH AT 15 STOREYS**: + 19.4 m * FROM APPROXIMATE 6.0M HEIGHT

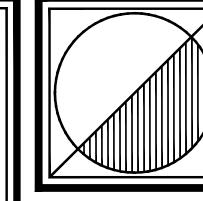
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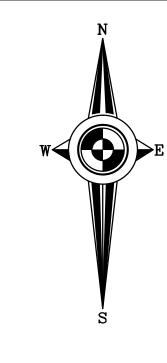
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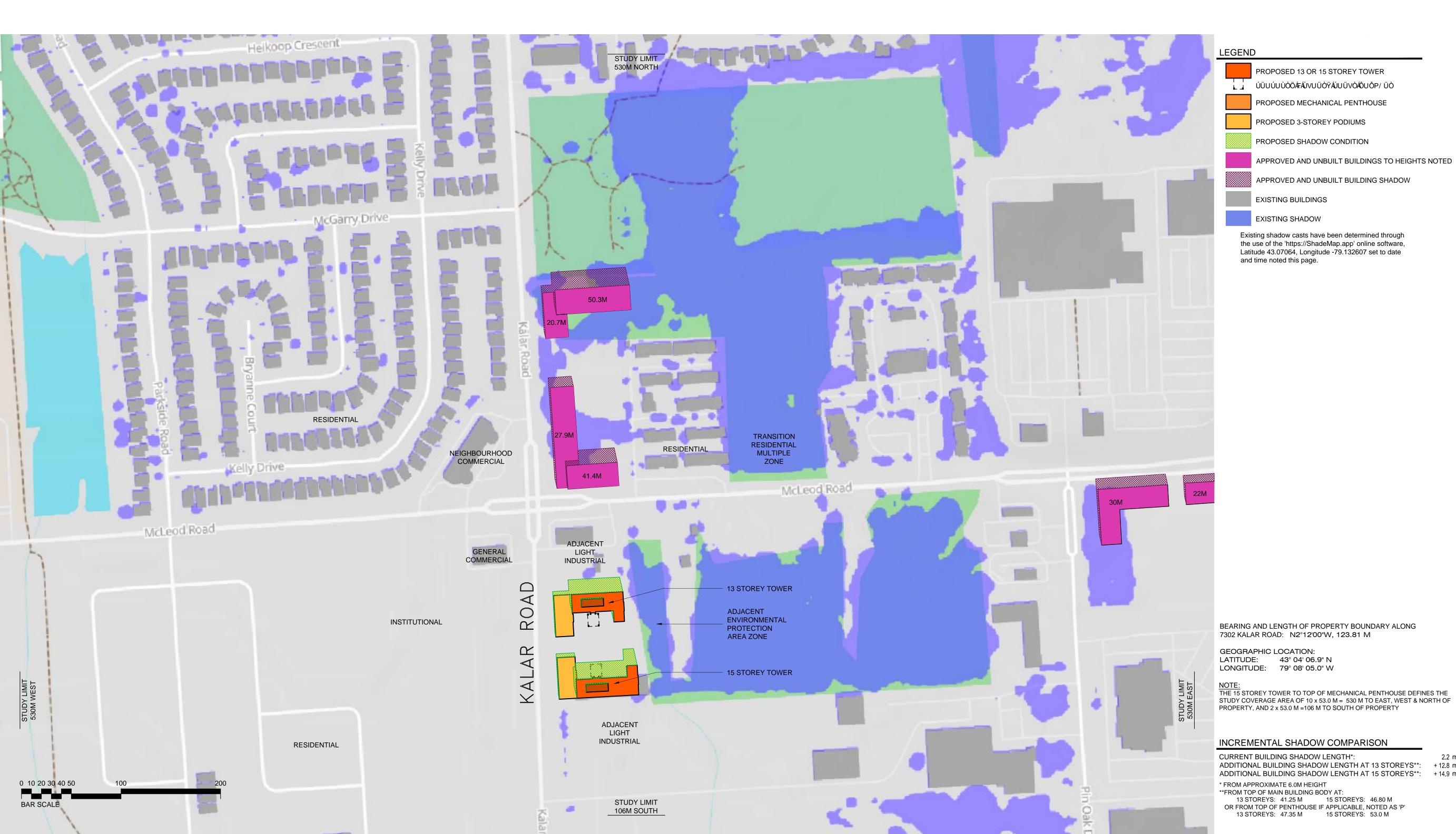
JUNE 21 at 12:00 PM

SCALE: 1:2000









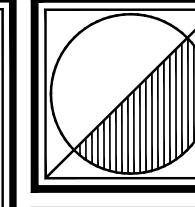
 $\frac{\text{NOTE:}}{\text{THE 15 STOREY TOWER TO TOP OF MECHANICAL PENTHOUSE DEFINES THE STUDY COVERAGE AREA OF 10 x 53.0 M = 530 M TO EAST, WEST & NORTH OF PROPERTY, AND 2 x 53.0 M = 106 M TO SOUTH OF PROPERTY$

INCREMENTAL SHADOW COMPARISON

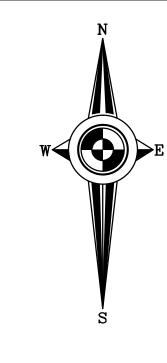
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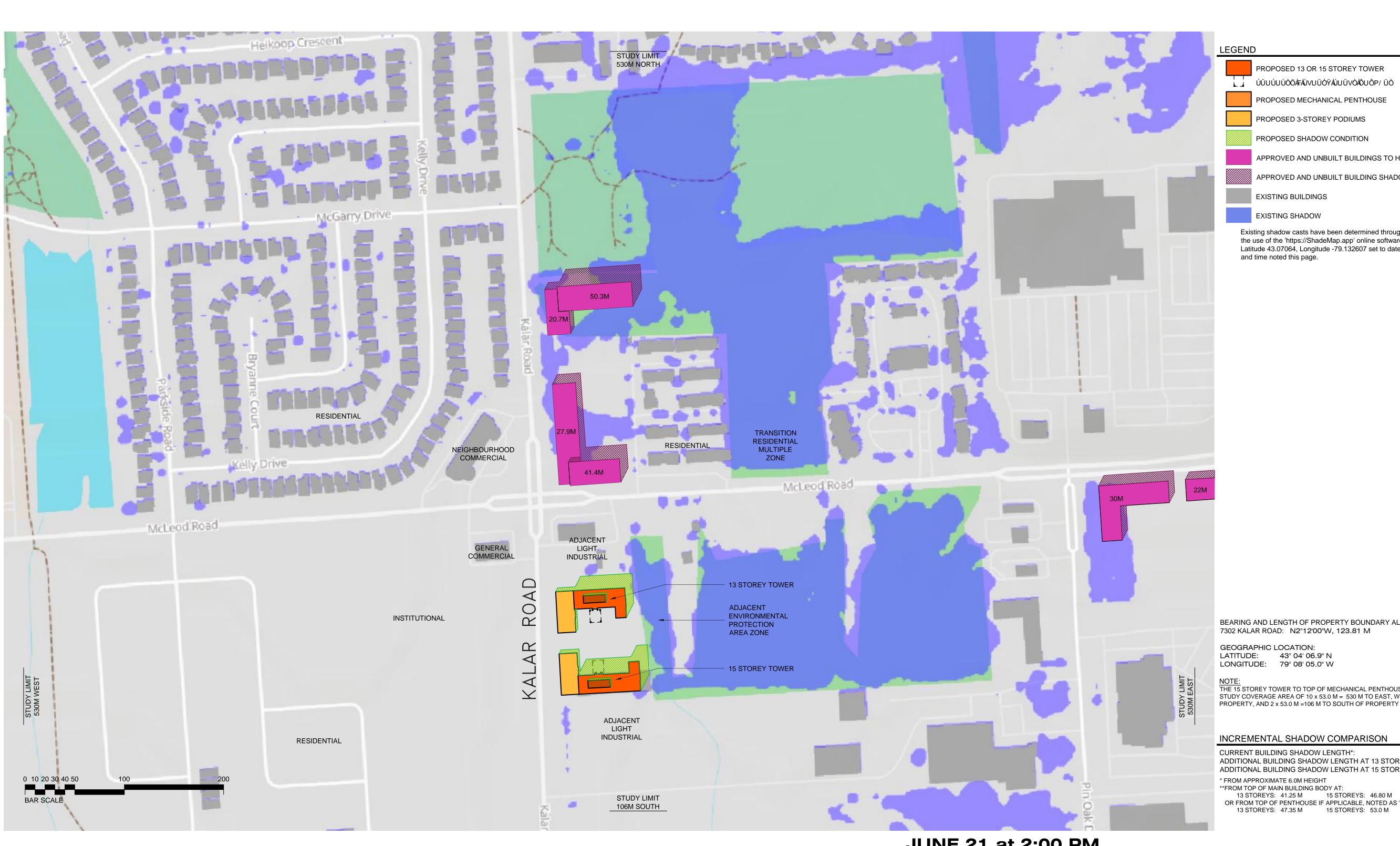
JUNE 21 at 1:00 PM

SCALE: 1:2000









PROPOSED SHADOW CONDITION APPROVED AND UNBUILT BUILDINGS TO HEIGHTS NOTED

APPROVED AND UNBUILT BUILDING SHADOW EXISTING BUILDINGS

PROPOSED 3-STOREY PODIUMS

EXISTING SHADOW

Existing shadow casts have been determined through the use of the 'https://ShadeMap.app' online software, Latitude 43.07064, Longitude -79.132607 set to date and time noted this page.

BEARING AND LENGTH OF PROPERTY BOUNDARY ALONG 7302 KALAR ROAD: N2°12'00"W, 123.81 M

GEOGRAPHIC LOCATION: LATITUDE: 43° 04' 06.9" N

LONGITUDE: 79° 08' 05.0" W

NOTE: THE 15 STOREY TOWER TO TOP OF MECHANICAL PENTHOUSE DEFINES THE STUDY COVERAGE AREA OF 10 x 53.0 M = 530 M TO EAST, WEST & NORTH OF PROPERTY, AND 2 x 53.0 M = 106 M TO SOUTH OF PROPERTY

INCREMENTAL SHADOW COMPARISON

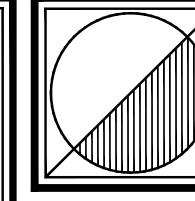
CURRENT BUILDING SHADOW LENGTH*: ADDITIONAL BUILDING SHADOW LENGTH AT 13 STOREYS**: + 13.8 m ADDITIONAL BUILDING SHADOW LENGTH AT 15 STOREYS**: + 16.0 m * FROM APPROXIMATE 6.0M HEIGHT

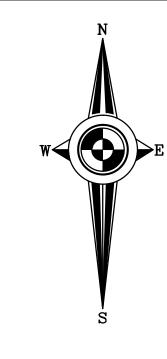
**FROM TOP OF MAIN BUILDING BODY AT:

13 STOREYS: 41.25 M 15 STOREYS: 46.80 M
OR FROM TOP OF PENTHOUSE IF APPLICABLE, NOTED AS 'P'

13 STOREYS: 47.35 M 15 STOREYS: 53.0 M

JUNE 21 at 2:00 PM







PROPOSED SHADOW CONDITION

APPROVED AND UNBUILT BUILDING SHADOW

7302 KALAR ROAD: N2°12'00"W, 123.81 M GEOGRAPHIC LOCATION: LATITUDE: 43° 04' 06.9" N

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INCREMENTAL SHADOW COMPARISON

CURRENT BUILDING SHADOW LENGTH*: ADDITIONAL BUILDING SHADOW LENGTH AT 13 STOREYS**: + 19.3 m ADDITIONAL BUILDING SHADOW LENGTH AT 15 STOREYS**: + 22.3 m

* FROM APPROXIMATE 6.0M HEIGHT

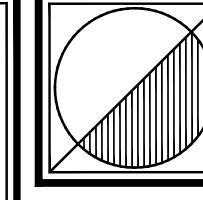
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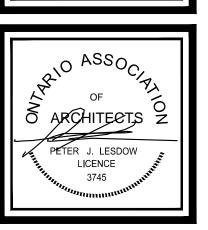
13 STOREYS: 41.25 M 15 STOREYS: 46.80 M

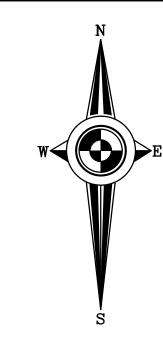
OR FROM TOP OF PENTHOUSE IF APPLICABLE, NOTED AS 'P'

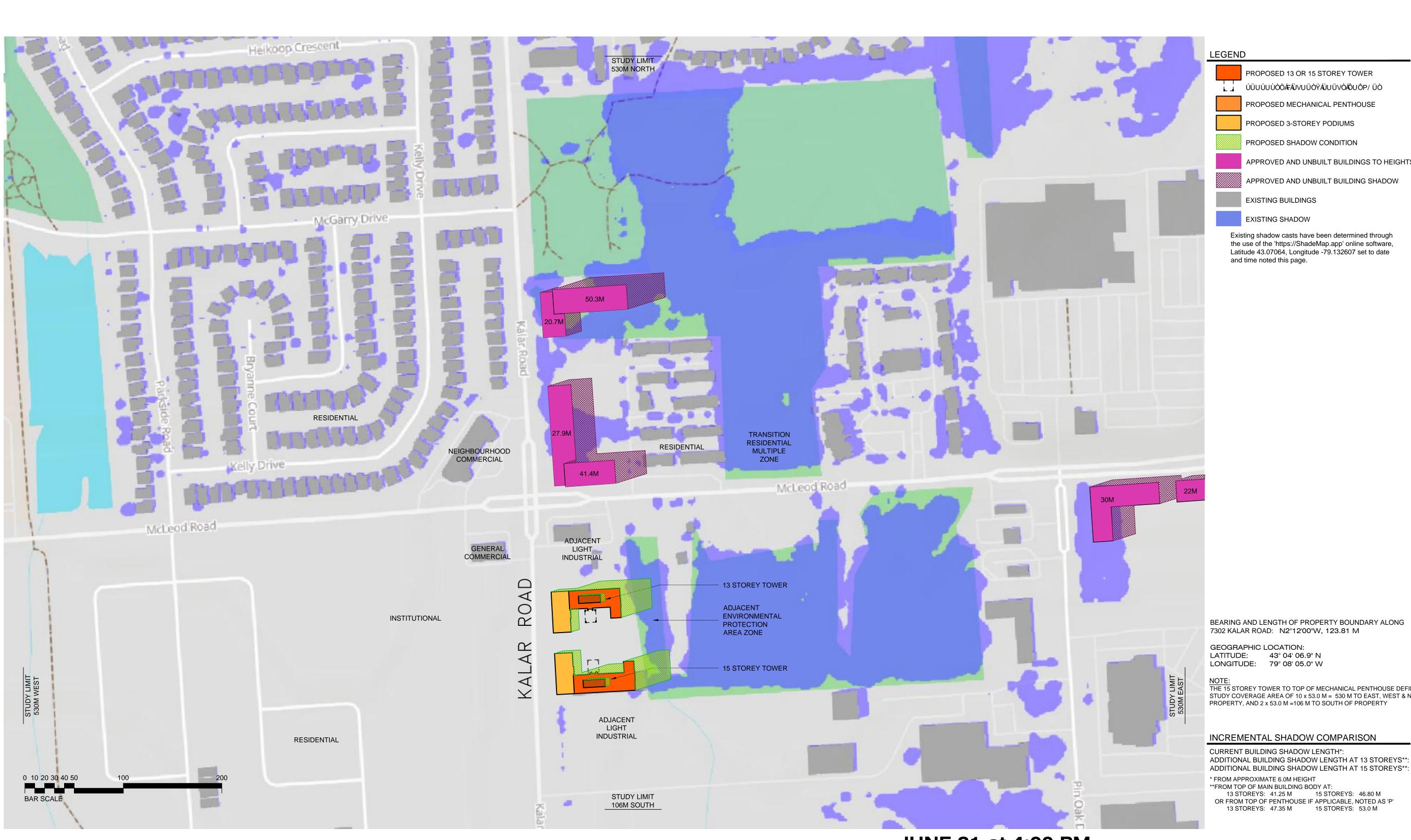
13 STOREYS: 47.35 M 15 STOREYS: 53.0 M

JUNE 21 at 3:00 PM









PROPOSED 13 OR 15 STOREY TOWER

PROPOSED SHADOW CONDITION

EXISTING BUILDINGS

EXISTING SHADOW

APPROVED AND UNBUILT BUILDINGS TO HEIGHTS NOTED

APPROVED AND UNBUILT BUILDING SHADOW

7302 KALAR ROAD: N2°12'00"W, 123.81 M GEOGRAPHIC LOCATION: LATITUDE: 43° 04' 06.9" N

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INCREMENTAL SHADOW COMPARISON

CURRENT BUILDING SHADOW LENGTH*: ADDITIONAL BUILDING SHADOW LENGTH AT 13 STOREYS**: + 28.1 m ADDITIONAL BUILDING SHADOW LENGTH AT 15 STOREYS**: + 32.5 m

* FROM APPROXIMATE 6.0M HEIGHT

**FROM TOP OF MAIN BUILDING BODY AT:

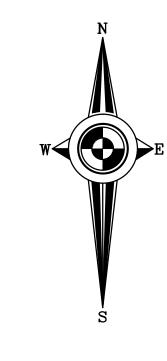
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OR FROM TOP OF PENTHOUSE IF APPLICABLE, NOTED AS 'P'

13 STOREYS: 47.35 M 15 STOREYS: 53.0 M

JUNE 21 at 4:00 PM







GEOGRAPHIC LOCATION: LATITUDE: 43° 04' 06.9" N LONGITUDE: 79° 08' 05.0" W

NOTE: THE 15 STOREY TOWER TO TOP OF MECHANICAL PENTHOUSE DEFINES THE STUDY COVERAGE AREA OF 10 x 53.0 M = 530 M TO EAST, WEST & NORTH OF PROPERTY, AND 2 x 53.0 M = 106 M TO SOUTH OF PROPERTY

INCREMENTAL SHADOW COMPARISON

CURRENT BUILDING SHADOW LENGTH*: ADDITIONAL BUILDING SHADOW LENGTH AT 13 STOREYS**: + 40.9 m ADDITIONAL BUILDING SHADOW LENGTH AT 15 STOREYS**: + 47.4 m * FROM APPROXIMATE 6.0M HEIGHT

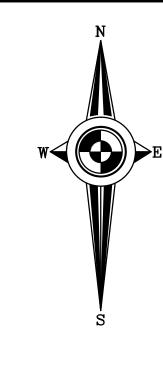
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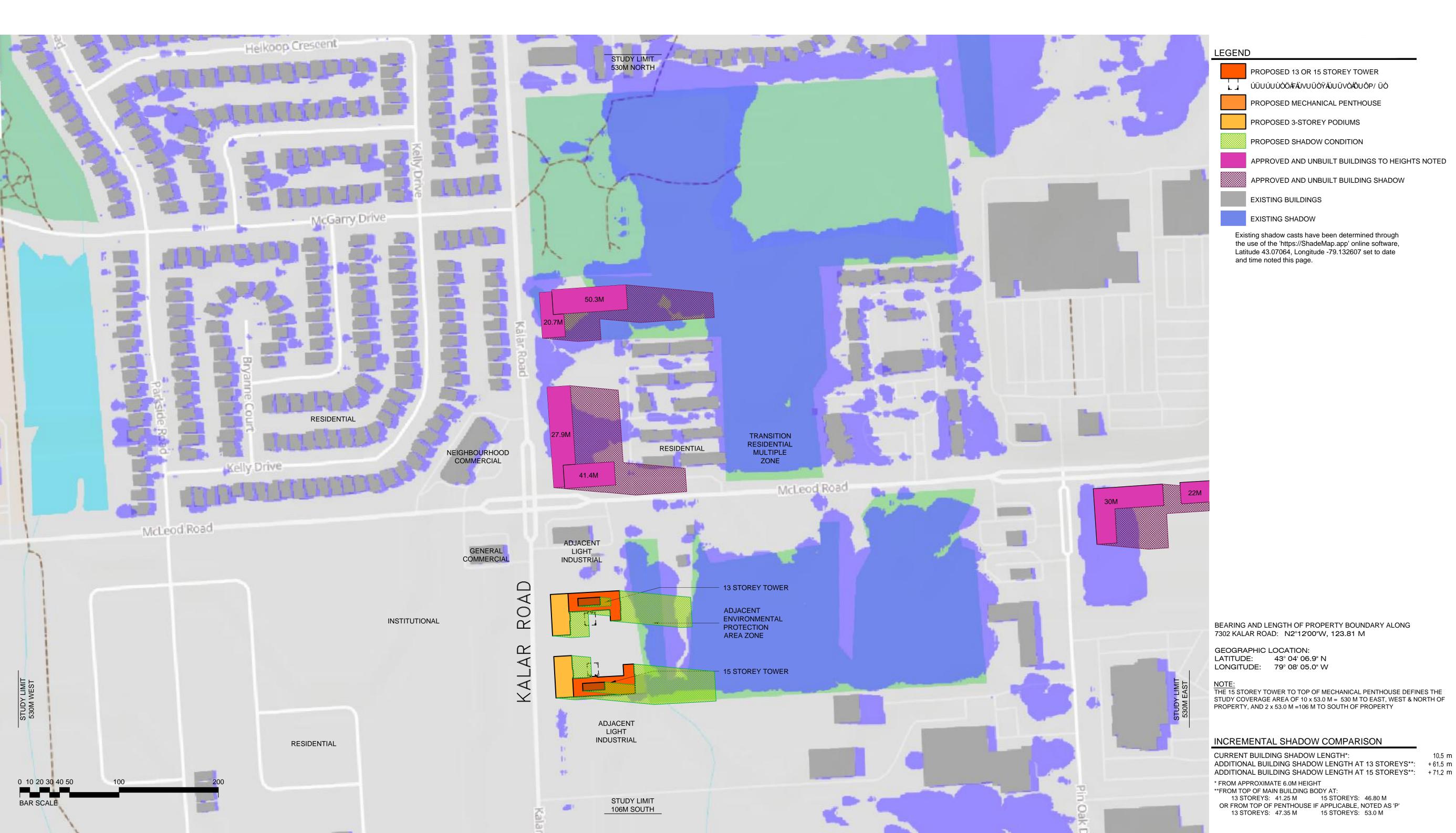
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13 STOREYS: 47.35 M 15 STOREYS: 53.0 M

JUNE 21 at 5:00 PM

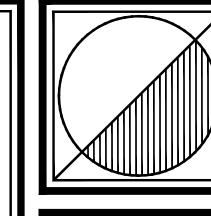
SCALE: 1:2000





JUNE 21 at 6:00 PM

SCALE: 1:2000



Peter J. Lesdow

a r c h i t e c t

4465 Drummond Road, Unit 11 at Niagara Falls, Ontario LZE 6C5



SHADOW STUDY JUNE 21 at 6:00 PM

DATE REVISIONS

pr. 08/ 23 PRE-CONSULTATION APPLICATION

eb. 27/ 24 FOR OPA/ZBA APPLICATION

ul. 12/ 24 TO ADDRESS CITY OPA/ZBA COMMENTS

APARTMENTS

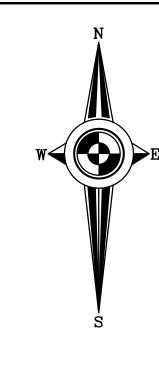
DATE: Jul. 25/24

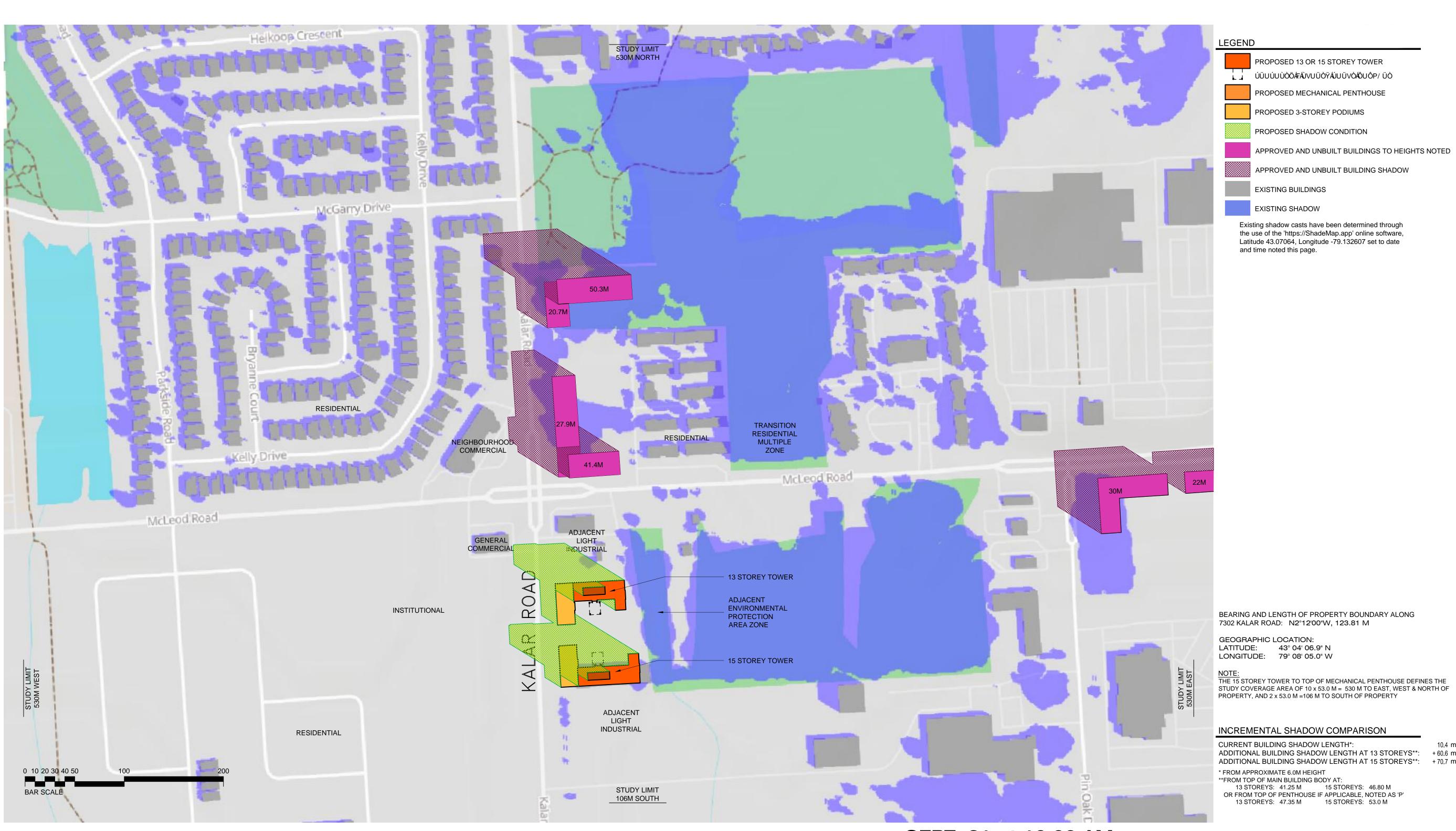
SCALE: AS NOTED

DRAWN BY: MRW

CHECK BY: PJL

23 – 05





GEOGRAPHIC LOCATION: LATITUDE: 43° 04' 06.9" N LONGITUDE: 79° 08' 05.0" W

NOTE: THE 15 STOREY TOWER TO TOP OF MECHANICAL PENTHOUSE DEFINES THE STUDY COVERAGE AREA OF 10 x 53.0 M = 530 M TO EAST, WEST & NORTH OF PROPERTY, AND 2 x 53.0 M = 106 M TO SOUTH OF PROPERTY

INCREMENTAL SHADOW COMPARISON

CURRENT BUILDING SHADOW LENGTH*: ADDITIONAL BUILDING SHADOW LENGTH AT 13 STOREYS**: + 60.6 m ADDITIONAL BUILDING SHADOW LENGTH AT 15 STOREYS**: + 70.7 m

* FROM APPROXIMATE 6.0M HEIGHT

**FROM TOP OF MAIN BUILDING BODY AT:

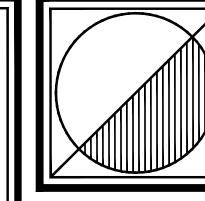
13 STOREYS: 41.25 M 15 STOREYS: 46.80 M

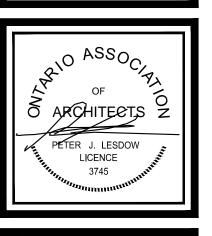
OR FROM TOP OF PENTHOUSE IF APPLICABLE, NOTED AS 'P'

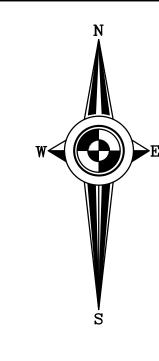
13 STOREYS: 47.35 M 15 STOREYS: 53.0 M

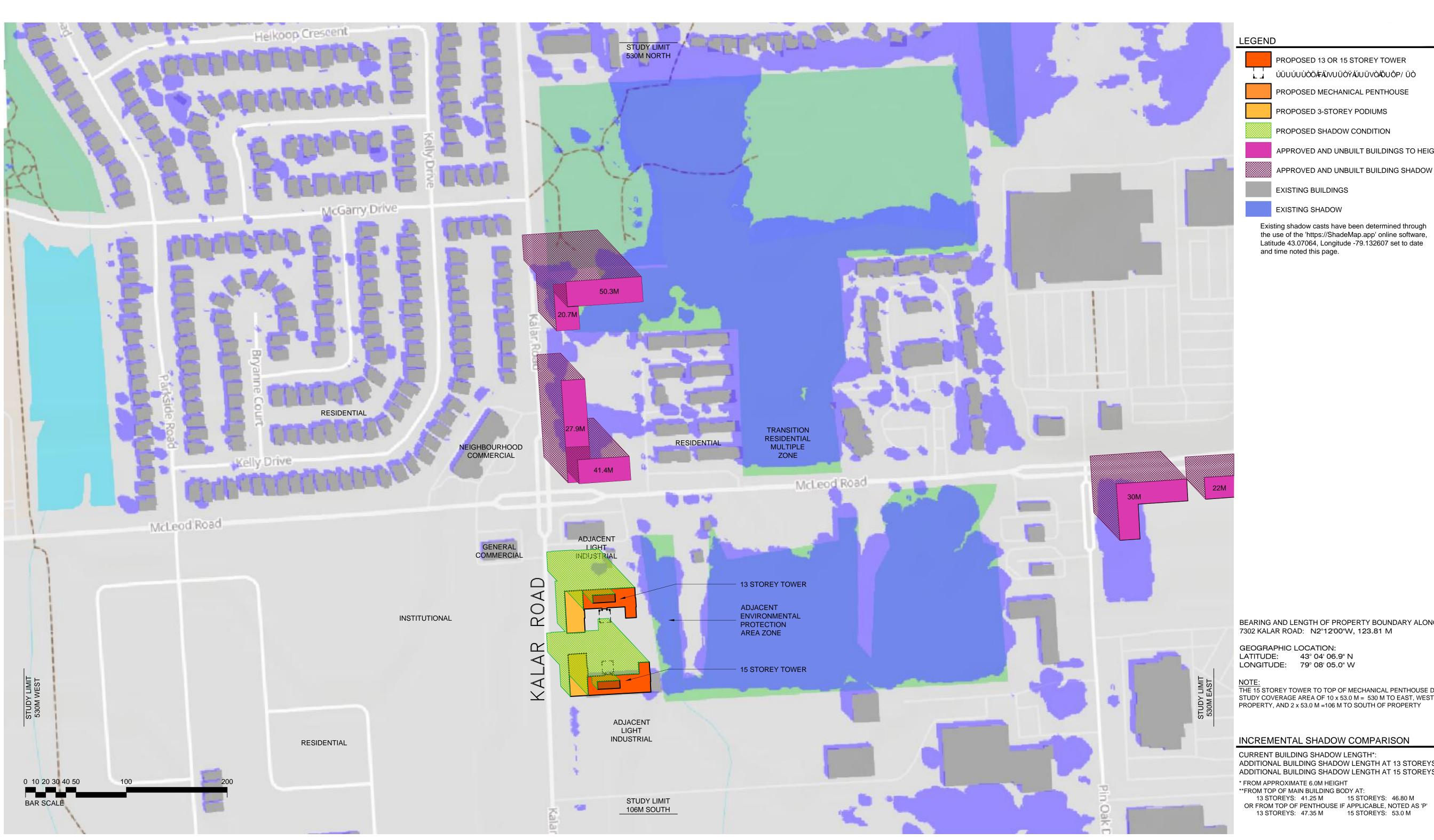
SEPT. 21 at 10:00 AM

SCALE: 1:2000









PROPOSED 13 OR 15 STOREY TOWER

PROPOSED SHADOW CONDITION

EXISTING BUILDINGS

EXISTING SHADOW

APPROVED AND UNBUILT BUILDINGS TO HEIGHTS NOTED

APPROVED AND UNBUILT BUILDING SHADOW

BEARING AND LENGTH OF PROPERTY BOUNDARY ALONG 7302 KALAR ROAD: N2°12'00"W, 123.81 M

GEOGRAPHIC LOCATION: LATITUDE: 43° 04' 06.9" N LONGITUDE: 79° 08' 05.0" W

NOTE: THE 15 STOREY TOWER TO TOP OF MECHANICAL PENTHOUSE DEFINES THE STUDY COVERAGE AREA OF 10 x 53.0 M = 530 M TO EAST, WEST & NORTH OF PROPERTY, AND 2 x 53.0 M = 106 M TO SOUTH OF PROPERTY

INCREMENTAL SHADOW COMPARISON

CURRENT BUILDING SHADOW LENGTH*: ADDITIONAL BUILDING SHADOW LENGTH AT 13 STOREYS**: + 44.4 m ADDITIONAL BUILDING SHADOW LENGTH AT 15 STOREYS**: + 51.4 m

* FROM APPROXIMATE 6.0M HEIGHT

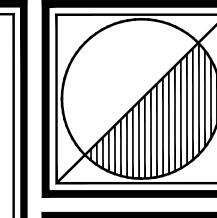
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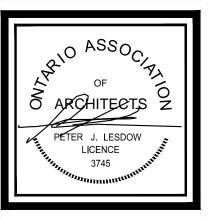
13 STOREYS: 41.25 M 15 STOREYS: 46.80 M

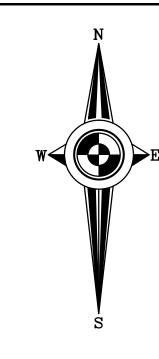
OR FROM TOP OF PENTHOUSE IF APPLICABLE, NOTED AS 'P'

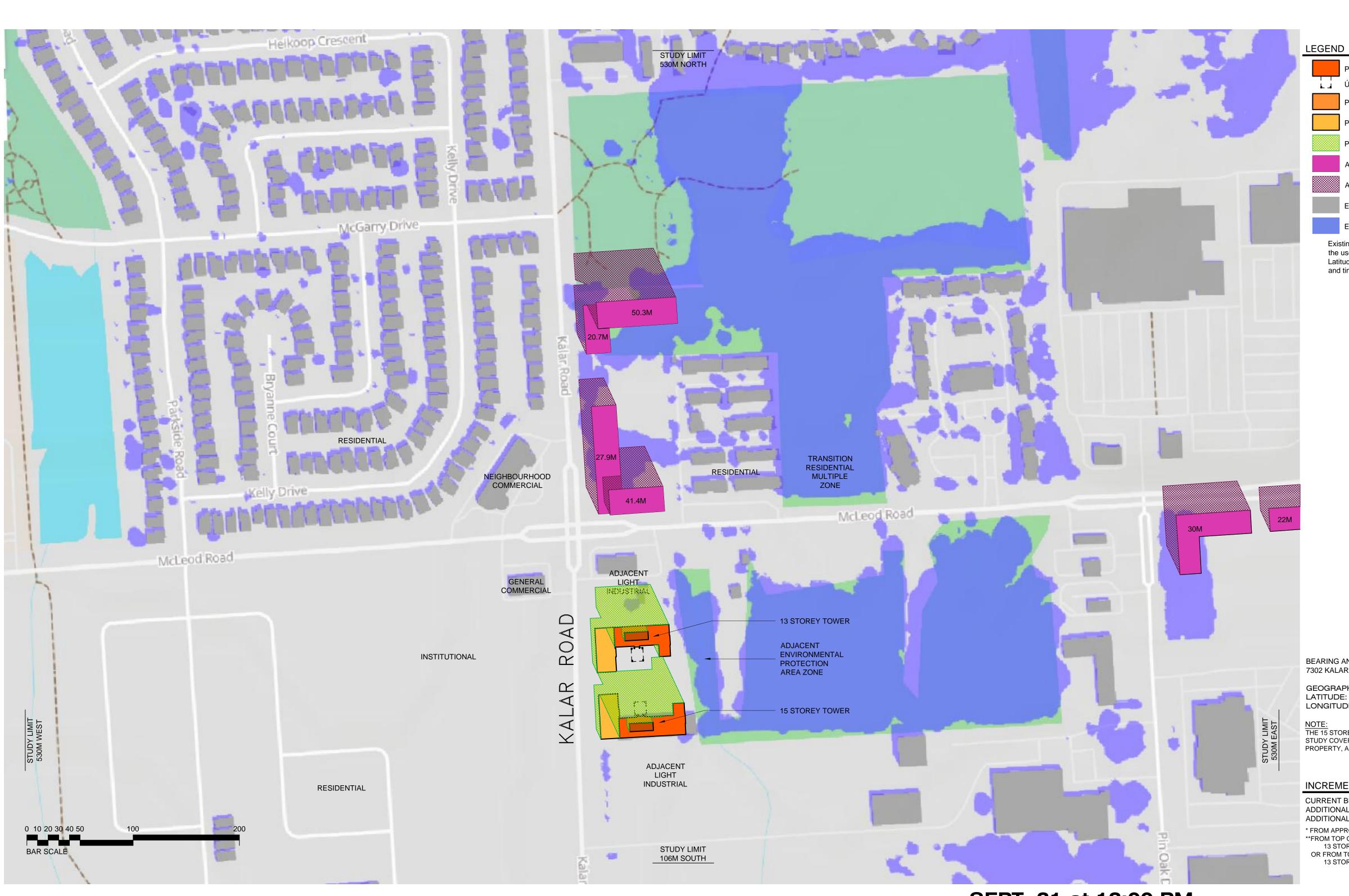
13 STOREYS: 47.35 M 15 STOREYS: 53.0 M

SEPT. 21 at 11:00 AM









PROPOSED 13 OR 15 STOREY TOWER L J ÚÜUÚUÙÒÖÆÁÙVUÜÒŸÁÚUÜVÒÁÔUÔP/ÜÒ

PROPOSED MECHANICAL PENTHOUSE

PROPOSED 3-STOREY PODIUMS

PROPOSED SHADOW CONDITION

APPROVED AND UNBUILT BUILDINGS TO HEIGHTS NOTED

APPROVED AND UNBUILT BUILDING SHADOW

EXISTING SHADOW

EXISTING BUILDINGS

Existing shadow casts have been determined through the use of the 'https://ShadeMap.app' online software, Latitude 43.07064, Longitude -79.132607 set to date and time noted this page.

BEARING AND LENGTH OF PROPERTY BOUNDARY ALONG 7302 KALAR ROAD: N2°12'00"W, 123.81 M

GEOGRAPHIC LOCATION: LATITUDE: 43° 04' 06.9" N

LONGITUDE: 79° 08' 05.0" W

NOTE: THE 15 STOREY TOWER TO TOP OF MECHANICAL PENTHOUSE DEFINES THE STUDY COVERAGE AREA OF 10 x 53.0 M = 530 M TO EAST, WEST & NORTH OF PROPERTY, AND 2 x 53.0 M = 106 M TO SOUTH OF PROPERTY

INCREMENTAL SHADOW COMPARISON

CURRENT BUILDING SHADOW LENGTH*: ADDITIONAL BUILDING SHADOW LENGTH AT 13 STOREYS**: + 35.5 m ADDITIONAL BUILDING SHADOW LENGTH AT 15 STOREYS**: +41.1 m * FROM APPROXIMATE 6.0M HEIGHT

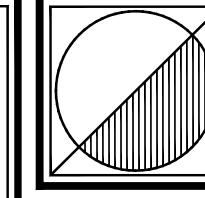
**FROM TOP OF MAIN BUILDING BODY AT:

13 STOREYS: 41.25 M 15 STOREYS: 46.80 M
OR FROM TOP OF PENTHOUSE IF APPLICABLE, NOTED AS 'P'

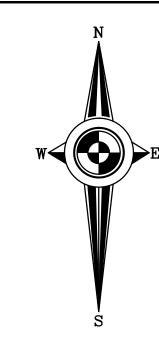
13 STOREYS: 47.35 M 15 STOREYS: 53.0 M

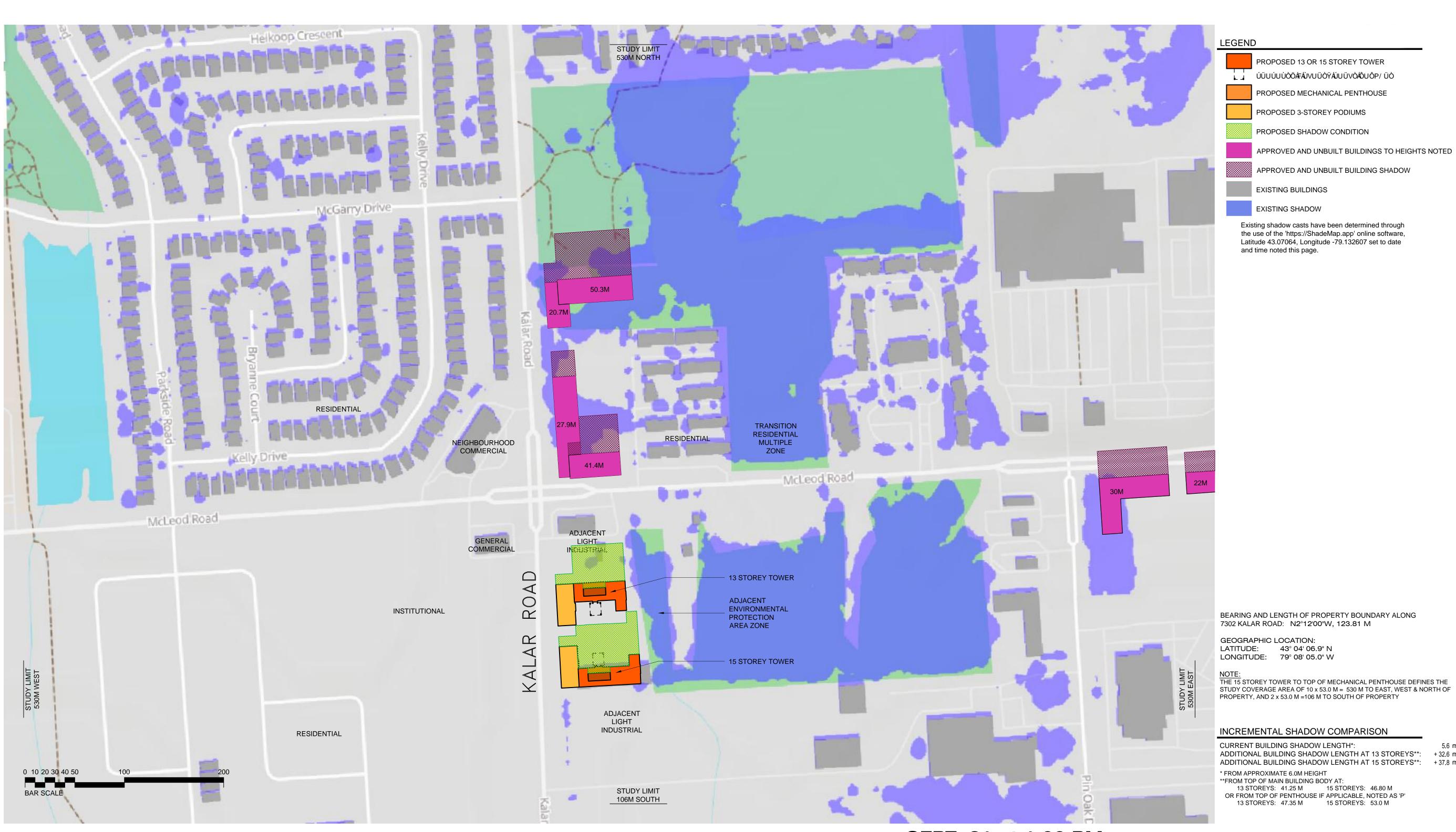
SEPT. 21 at 12:00 PM

SCALE: 1:2000









BEARING AND LENGTH OF PROPERTY BOUNDARY ALONG 7302 KALAR ROAD: N2°12'00"W, 123.81 M

GEOGRAPHIC LOCATION: LATITUDE: 43° 04' 06.9" N LONGITUDE: 79° 08' 05.0" W

NOTE: THE 15 STOREY TOWER TO TOP OF MECHANICAL PENTHOUSE DEFINES THE STUDY COVERAGE AREA OF 10 x 53.0 M = 530 M TO EAST, WEST & NORTH OF PROPERTY, AND 2 x 53.0 M = 106 M TO SOUTH OF PROPERTY

INCREMENTAL SHADOW COMPARISON

CURRENT BUILDING SHADOW LENGTH*: ADDITIONAL BUILDING SHADOW LENGTH AT 13 STOREYS**: + 32.6 m ADDITIONAL BUILDING SHADOW LENGTH AT 15 STOREYS**: + 37.8 m

* FROM APPROXIMATE 6.0M HEIGHT

**FROM TOP OF MAIN BUILDING BODY AT:

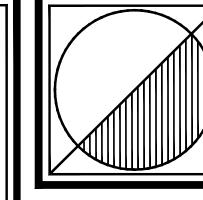
13 STOREYS: 41.25 M 15 STOREYS: 46.80 M

OR FROM TOP OF PENTHOUSE IF APPLICABLE, NOTED AS 'P'

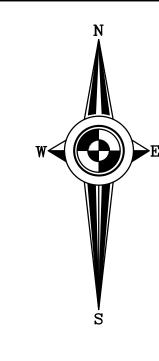
13 STOREYS: 47.35 M 15 STOREYS: 53.0 M

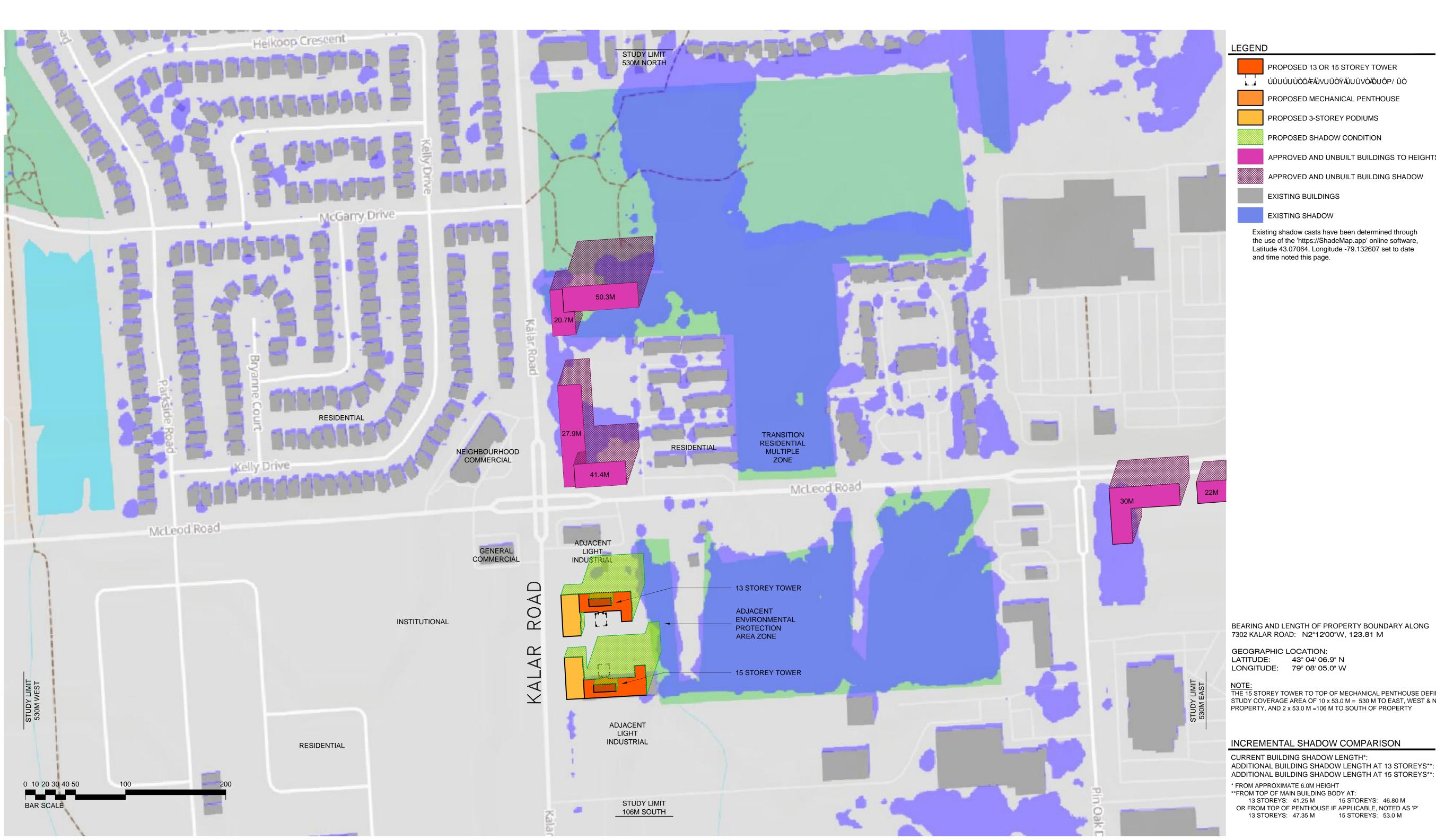
SEPT. 21 at 1:00 PM

SCALE: 1:2000









PROPOSED 13 OR 15 STOREY TOWER

PROPOSED SHADOW CONDITION

EXISTING BUILDINGS

EXISTING SHADOW

APPROVED AND UNBUILT BUILDINGS TO HEIGHTS NOTED

APPROVED AND UNBUILT BUILDING SHADOW

GEOGRAPHIC LOCATION: LATITUDE: 43° 04' 06.9" N LONGITUDE: 79° 08' 05.0" W

NOTE: THE 15 STOREY TOWER TO TOP OF MECHANICAL PENTHOUSE DEFINES THE STUDY COVERAGE AREA OF 10 x 53.0 M = 530 M TO EAST, WEST & NORTH OF PROPERTY, AND 2 x 53.0 M = 106 M TO SOUTH OF PROPERTY

INCREMENTAL SHADOW COMPARISON

CURRENT BUILDING SHADOW LENGTH*: ADDITIONAL BUILDING SHADOW LENGTH AT 13 STOREYS**: + 34.0 m ADDITIONAL BUILDING SHADOW LENGTH AT 15 STOREYS**: + 39.3 m * FROM APPROXIMATE 6.0M HEIGHT

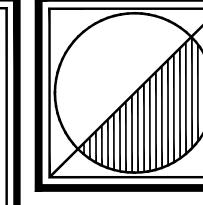
**FROM TOP OF MAIN BUILDING BODY AT:

13 STOREYS: 41.25 M 15 STOREYS: 46.80 M
OR FROM TOP OF PENTHOUSE IF APPLICABLE, NOTED AS 'P'

13 STOREYS: 47.35 M 15 STOREYS: 53.0 M

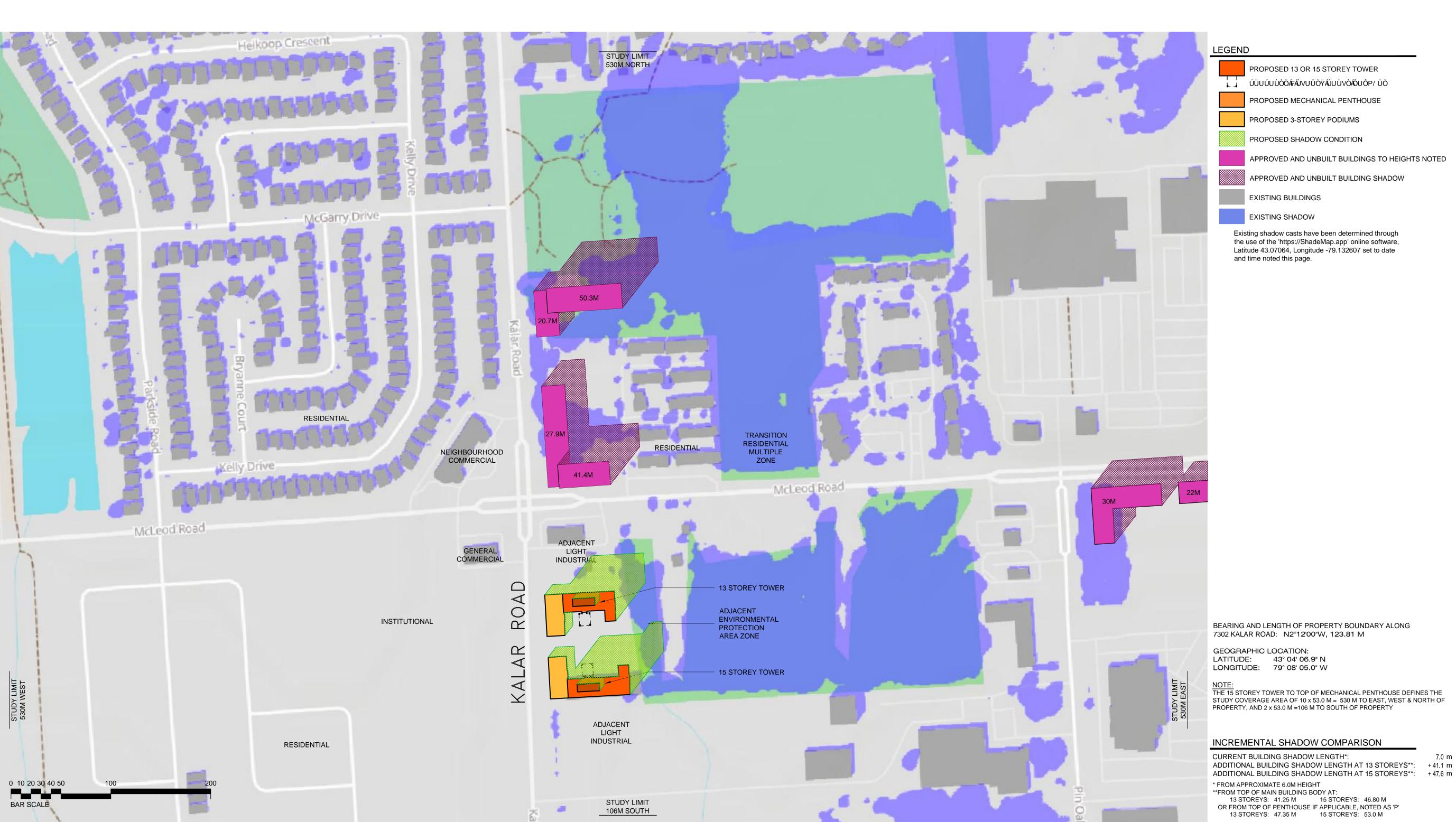
SEPT. 21 at 2:00 PM

SCALE: 1:2000



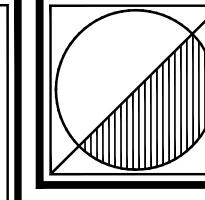


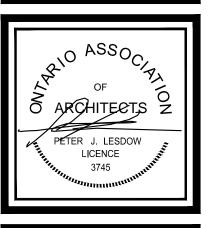




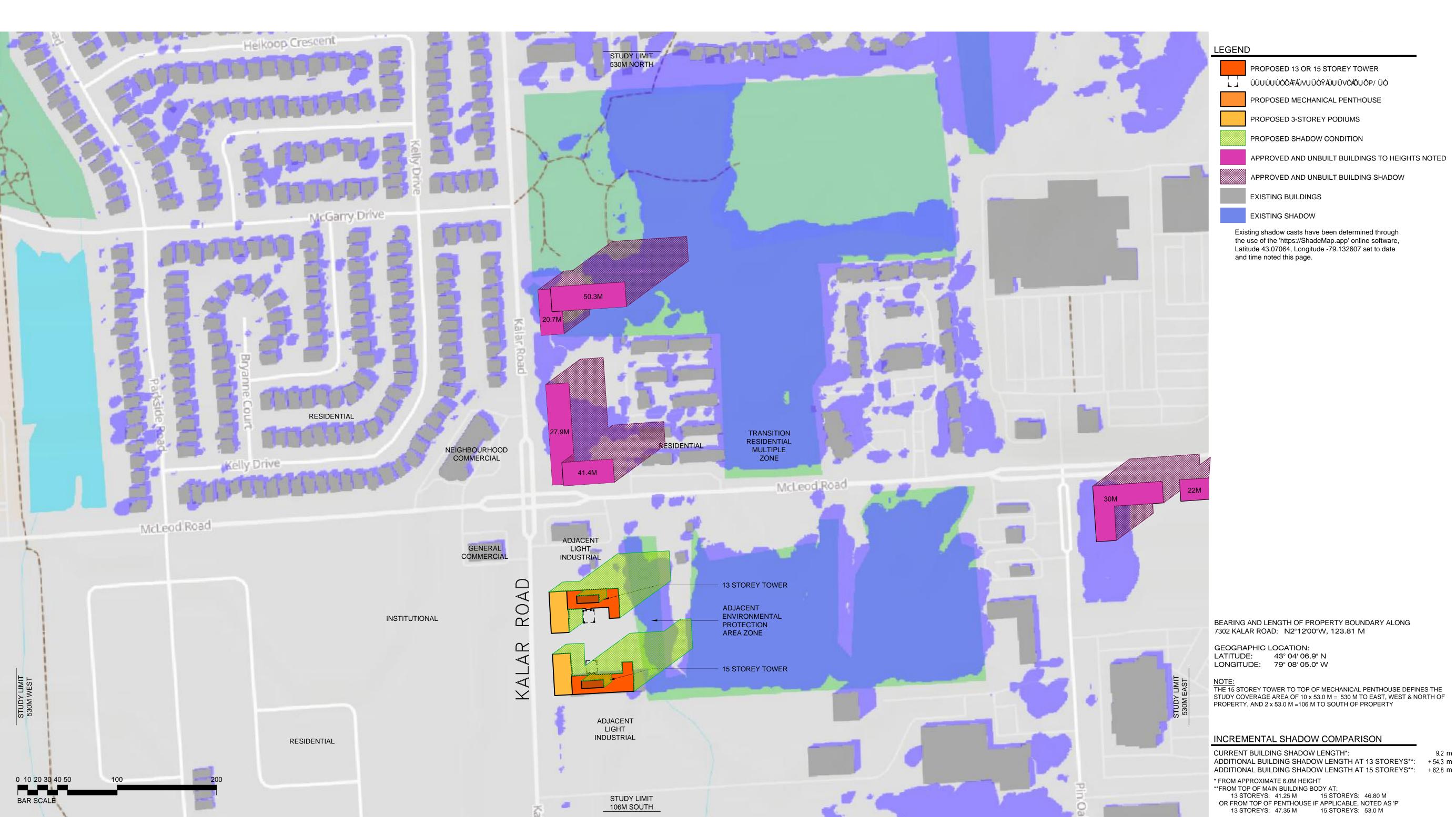
SEPT. 21 at 3:00 PM

SCALE: 1:2000



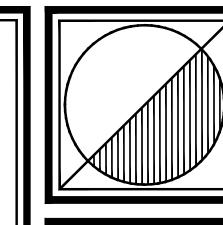




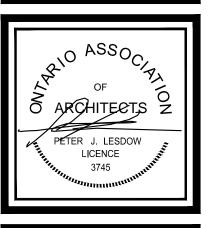


SEPT. 21 at 4:00 PM

SCALE: 1:2000



A r c h i t e c t



SHADOW STUDY SEPT. 21 at 4:00 PM

DATE REVISIONS
Apr. 08/ 23 PRE—CONSULTATION APPLICATION
Feb. 27/ 24 FOR OPA/ZBA APPLICATION
Jul. 12/ 24 TO ADDRESS CITY OPA/ZBA COMMENTS

APARTMENTS
7302 Kalar Road

DATE: Jul. 25/24

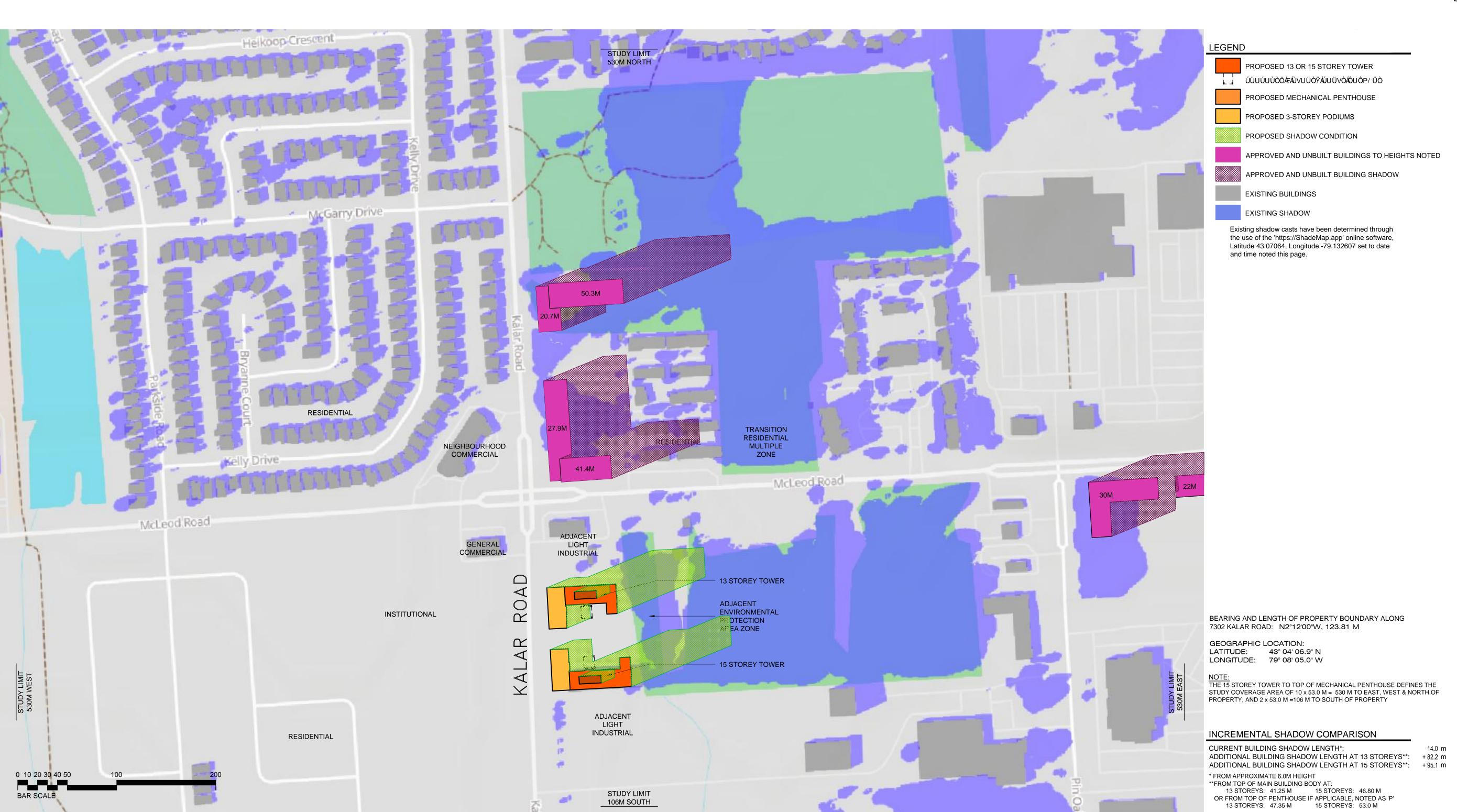
SCALE: AS NOTED

DRAWN BY: MRW

CHECK BY: PJI

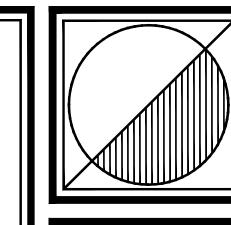
23 - 05





SEPT. 21 at 5:00 PM

SCALE: 1:2000



Peter J. Lesdow

a r c h i t e c t

4465 Drummond Road, Unit 11 at Niagara Falls, Ontario L2E 605



SHADOW STUDY SEPT. 21 at 5:00 PM

DATE REVISIONS
Apr. 08/ 23 PRE-CONSULTATION APPLICATION
Feb. 27/ 24 FOR OPA/ZBA APPLICATION
Jul. 12/ 24 TO ADDRESS CITY OPA/ZBA COMMENTS

APARTMENTS
7302 Kalar Road

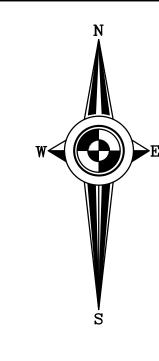
DATE: Jul. 25/24

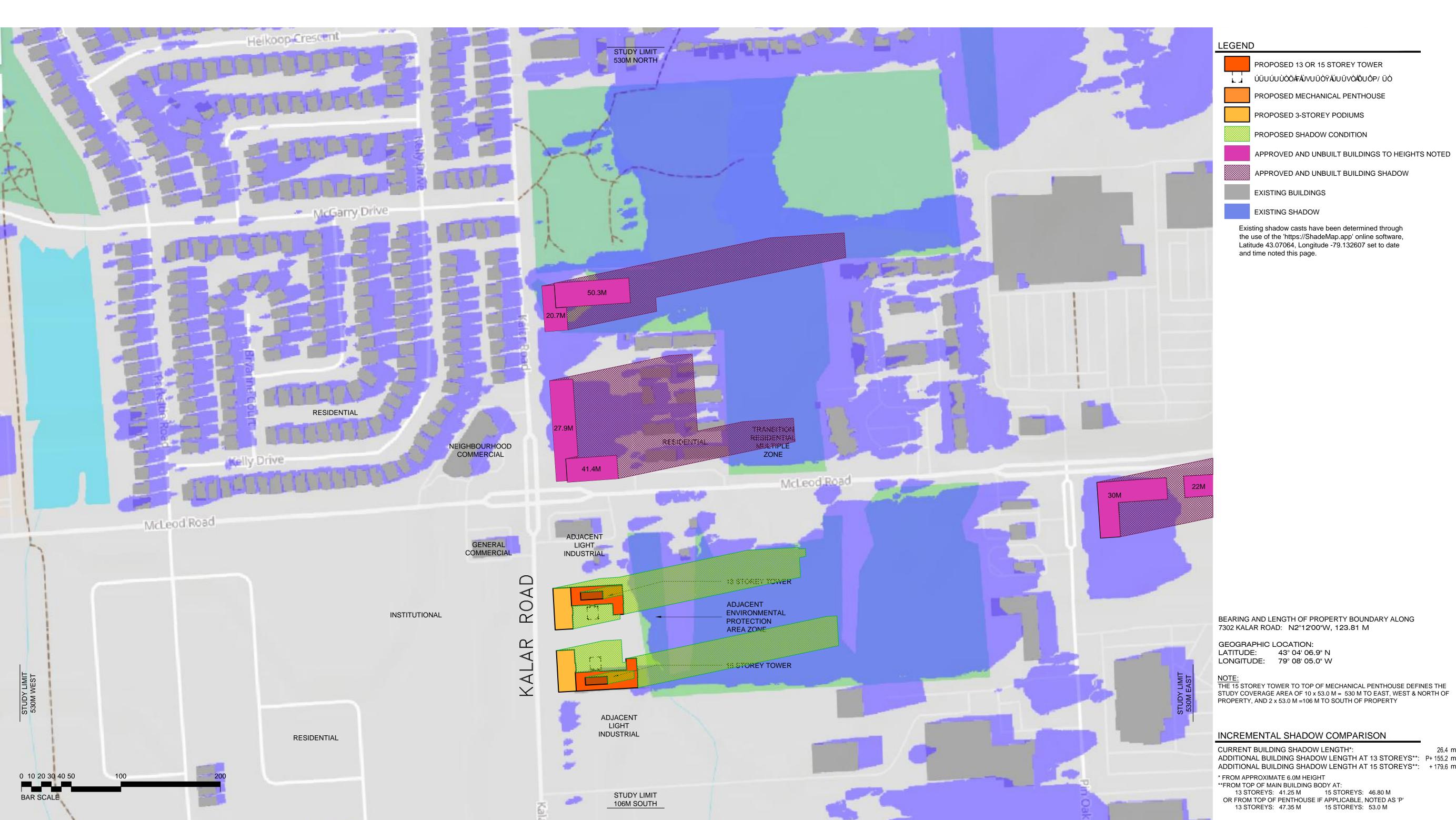
SCALE: AS NOTED

DRAWN BY: MRW

CHECK BY: PJL

23 - 05





BEARING AND LENGTH OF PROPERTY BOUNDARY ALONG 7302 KALAR ROAD: N2°12'00"W, 123.81 M

GEOGRAPHIC LOCATION: LATITUDE: 43° 04' 06.9" N LONGITUDE: 79° 08' 05.0" W

NOTE: THE 15 STOREY TOWER TO TOP OF MECHANICAL PENTHOUSE DEFINES THE STUDY COVERAGE AREA OF 10 x 53.0 M = 530 M TO EAST, WEST & NORTH OF PROPERTY, AND 2 x 53.0 M = 106 M TO SOUTH OF PROPERTY

INCREMENTAL SHADOW COMPARISON

CURRENT BUILDING SHADOW LENGTH*: ADDITIONAL BUILDING SHADOW LENGTH AT 13 STOREYS**: P+ 155.2 m ADDITIONAL BUILDING SHADOW LENGTH AT 15 STOREYS**: + 179.6 m

* FROM APPROXIMATE 6.0M HEIGHT

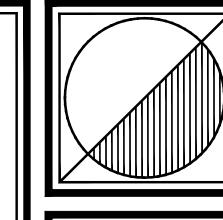
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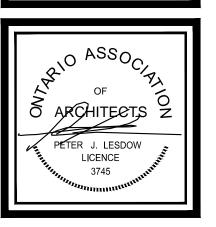
13 STOREYS: 41.25 M 15 STOREYS: 46.80 M

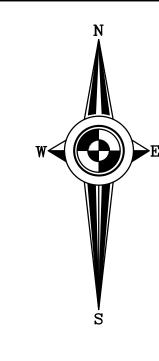
OR FROM TOP OF PENTHOUSE IF APPLICABLE, NOTED AS 'P'

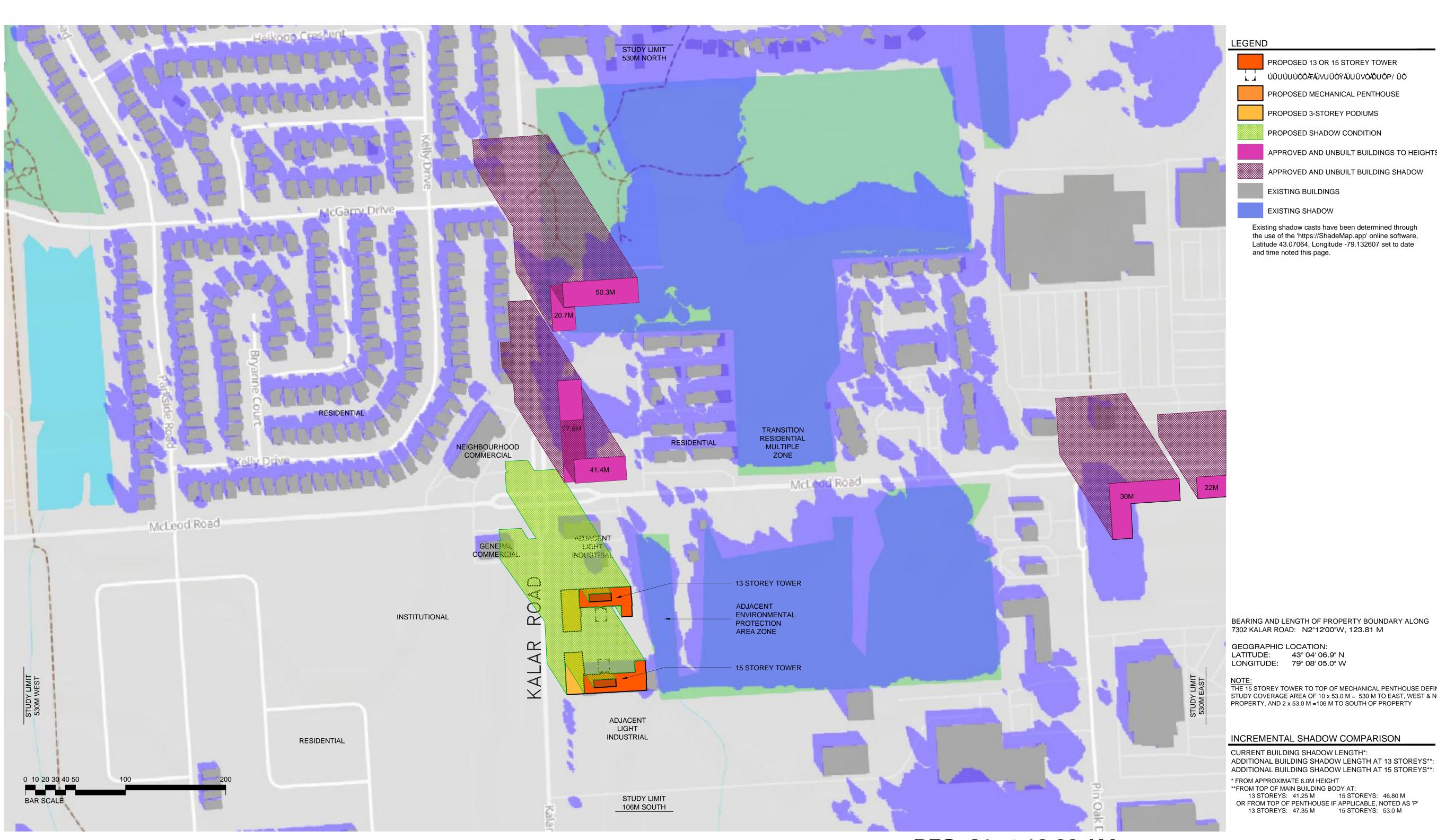
13 STOREYS: 47.35 M 15 STOREYS: 53.0 M

SEPT. 21 at 6:00 PM









PROPOSED SHADOW CONDITION

EXISTING BUILDINGS

EXISTING SHADOW

APPROVED AND UNBUILT BUILDINGS TO HEIGHTS NOTED

APPROVED AND UNBUILT BUILDING SHADOW

GEOGRAPHIC LOCATION: LATITUDE: 43° 04' 06.9" N LONGITUDE: 79° 08' 05.0" W

NOTE: THE 15 STOREY TOWER TO TOP OF MECHANICAL PENTHOUSE DEFINES THE STUDY COVERAGE AREA OF 10 x 53.0 M = 530 M TO EAST, WEST & NORTH OF PROPERTY, AND 2 x 53.0 M = 106 M TO SOUTH OF PROPERTY

INCREMENTAL SHADOW COMPARISON

CURRENT BUILDING SHADOW LENGTH*: ADDITIONAL BUILDING SHADOW LENGTH AT 13 STOREYS**: P+ 138.2 m ADDITIONAL BUILDING SHADOW LENGTH AT 15 STOREYS**: P+ 157.1 m

* FROM APPROXIMATE 6.0M HEIGHT

**FROM TOP OF MAIN BUILDING BODY AT:

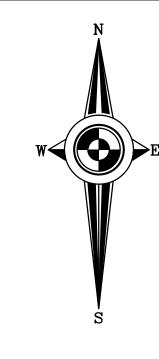
13 STOREYS: 41.25 M 15 STOREYS: 46.80 M

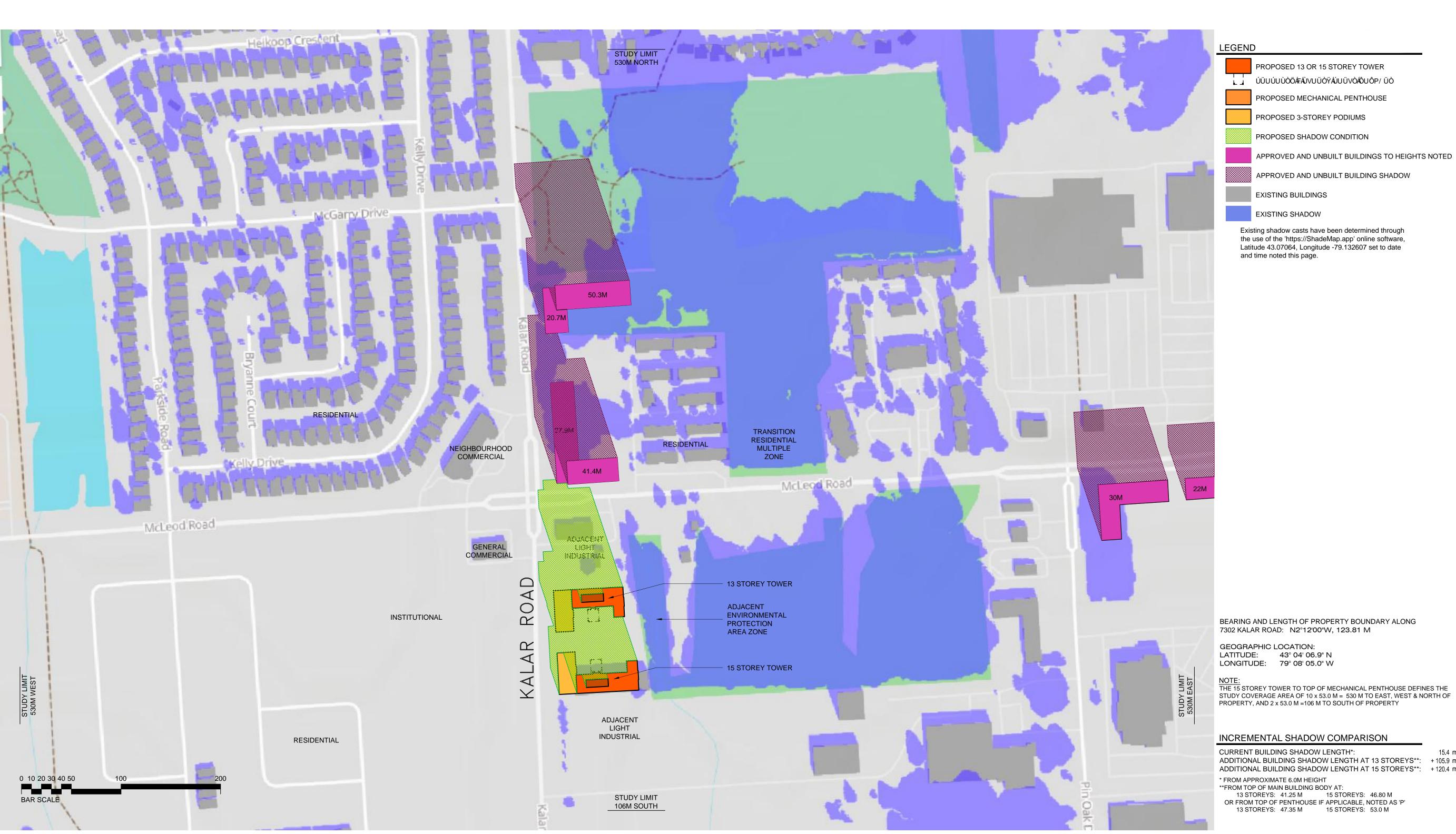
OR FROM TOP OF PENTHOUSE IF APPLICABLE, NOTED AS 'P'

13 STOREYS: 47.35 M 15 STOREYS: 53.0 M

DEC. 21 at 10:00 AM







BEARING AND LENGTH OF PROPERTY BOUNDARY ALONG 7302 KALAR ROAD: N2°12'00"W, 123.81 M

PROPOSED SHADOW CONDITION

APPROVED AND UNBUILT BUILDING SHADOW

GEOGRAPHIC LOCATION: LATITUDE: 43° 04' 06.9" N LONGITUDE: 79° 08' 05.0" W

NOTE: THE 15 STOREY TOWER TO TOP OF MECHANICAL PENTHOUSE DEFINES THE STUDY COVERAGE AREA OF 10 x 53.0 M = 530 M TO EAST, WEST & NORTH OF PROPERTY, AND 2 x 53.0 M = 106 M TO SOUTH OF PROPERTY

INCREMENTAL SHADOW COMPARISON

CURRENT BUILDING SHADOW LENGTH*: ADDITIONAL BUILDING SHADOW LENGTH AT 13 STOREYS**: + 105.9 m ADDITIONAL BUILDING SHADOW LENGTH AT 15 STOREYS**: + 120.4 m

* FROM APPROXIMATE 6.0M HEIGHT

**FROM TOP OF MAIN BUILDING BODY AT:

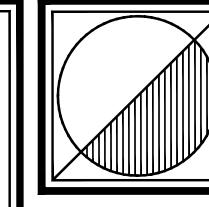
13 STOREYS: 41.25 M 15 STOREYS: 46.80 M

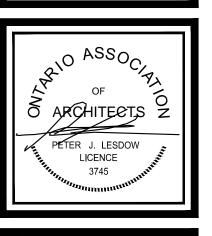
OR FROM TOP OF PENTHOUSE IF APPLICABLE, NOTED AS 'P'

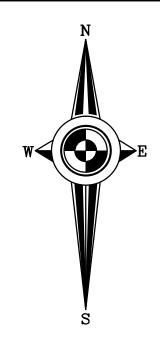
13 STOREYS: 47.35 M 15 STOREYS: 53.0 M

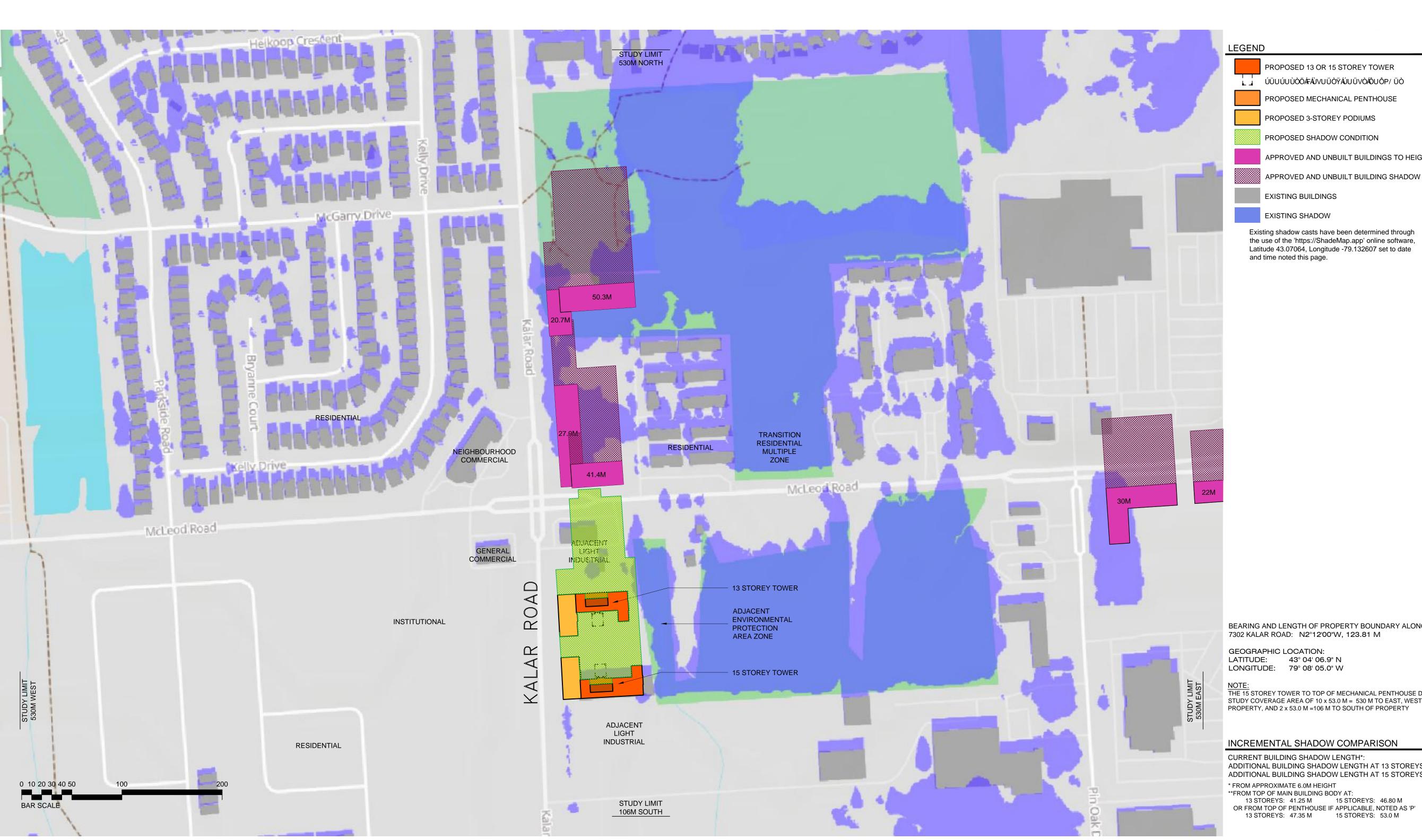
DEC. 21 at 11:00 AM

SCALE: 1:2000









BEARING AND LENGTH OF PROPERTY BOUNDARY ALONG 7302 KALAR ROAD: N2°12'00"W, 123.81 M

PROPOSED 13 OR 15 STOREY TOWER

PROPOSED MECHANICAL PENTHOUSE

PROPOSED 3-STOREY PODIUMS

EXISTING BUILDINGS

EXISTING SHADOW

PROPOSED SHADOW CONDITION

APPROVED AND UNBUILT BUILDINGS TO HEIGHTS NOTED

APPROVED AND UNBUILT BUILDING SHADOW

GEOGRAPHIC LOCATION: LATITUDE: 43° 04' 06.9" N LONGITUDE: 79° 08' 05.0" W

NOTE: THE 15 STOREY TOWER TO TOP OF MECHANICAL PENTHOUSE DEFINES THE STUDY COVERAGE AREA OF 10 x 53.0 M = 530 M TO EAST, WEST & NORTH OF PROPERTY, AND 2 x 53.0 M = 106 M TO SOUTH OF PROPERTY

INCREMENTAL SHADOW COMPARISON

CURRENT BUILDING SHADOW LENGTH*: ADDITIONAL BUILDING SHADOW LENGTH AT 13 STOREYS**: P+ 95.4 m ADDITIONAL BUILDING SHADOW LENGTH AT 15 STOREYS**: P+ 108.4 m

* FROM APPROXIMATE 6.0M HEIGHT

**FROM TOP OF MAIN BUILDING BODY AT:

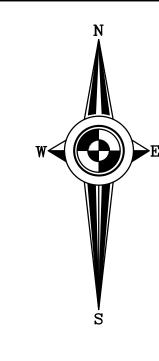
13 STOREYS: 41.25 M 15 STOREYS: 46.80 M

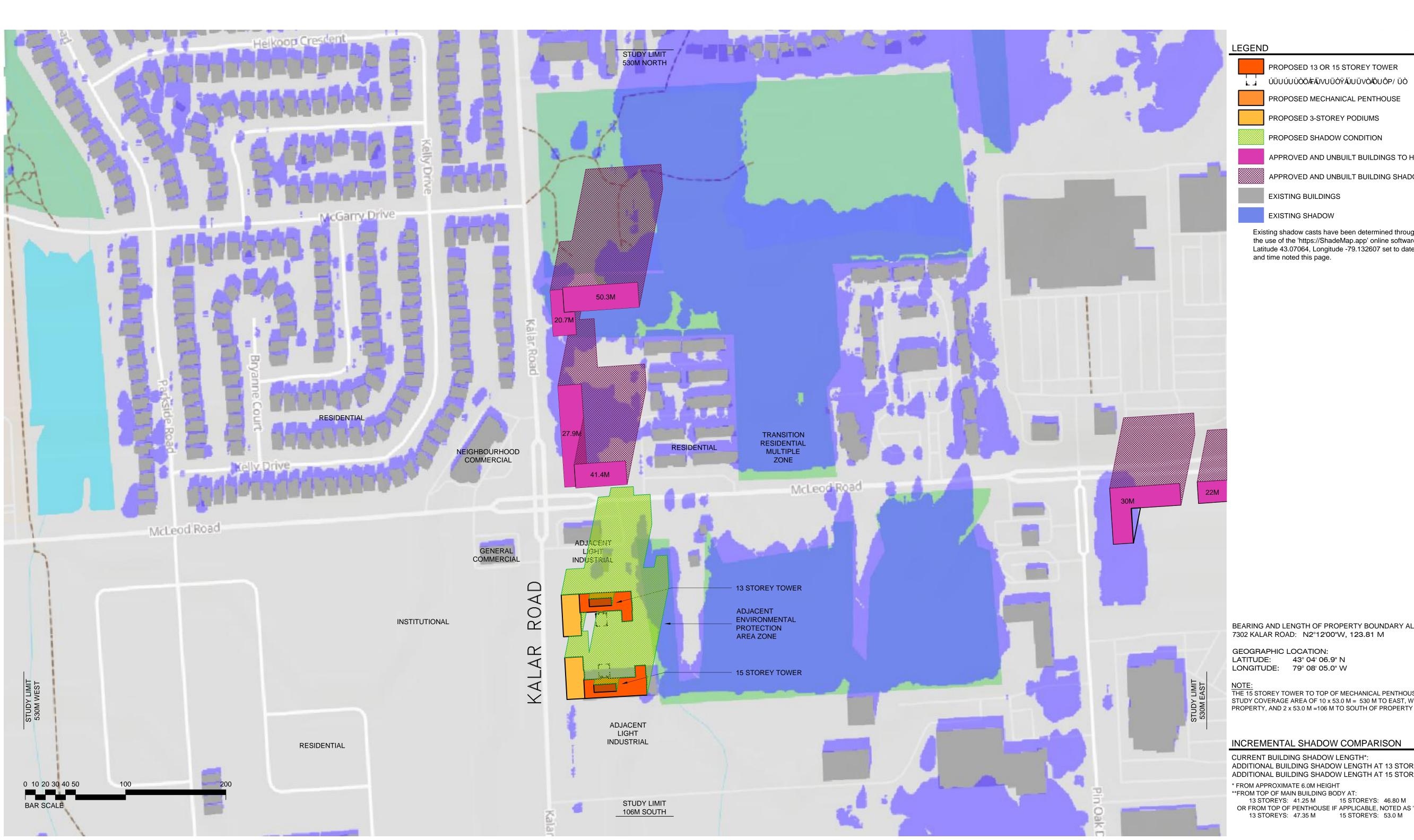
OR FROM TOP OF PENTHOUSE IF APPLICABLE, NOTED AS 'P'

13 STOREYS: 47.35 M 15 STOREYS: 53.0 M

DEC. 21 at 12:00 PM







PROPOSED 3-STOREY PODIUMS

PROPOSED 13 OR 15 STOREY TOWER

PROPOSED SHADOW CONDITION APPROVED AND UNBUILT BUILDINGS TO HEIGHTS NOTED

APPROVED AND UNBUILT BUILDING SHADOW EXISTING BUILDINGS

EXISTING SHADOW

Existing shadow casts have been determined through the use of the 'https://ShadeMap.app' online software, Latitude 43.07064, Longitude -79.132607 set to date and time noted this page.

BEARING AND LENGTH OF PROPERTY BOUNDARY ALONG 7302 KALAR ROAD: N2°12'00"W, 123.81 M

GEOGRAPHIC LOCATION: LATITUDE: 43° 04' 06.9" N LONGITUDE: 79° 08' 05.0" W

NOTE: THE 15 STOREY TOWER TO TOP OF MECHANICAL PENTHOUSE DEFINES THE STUDY COVERAGE AREA OF 10 x 53.0 M = 530 M TO EAST, WEST & NORTH OF PROPERTY, AND 2 x 53.0 M = 106 M TO SOUTH OF PROPERTY

INCREMENTAL SHADOW COMPARISON

CURRENT BUILDING SHADOW LENGTH*: ADDITIONAL BUILDING SHADOW LENGTH AT 13 STOREYS**: P+ 98.7 m ADDITIONAL BUILDING SHADOW LENGTH AT 15 STOREYS**: P+ 112.2 m

* FROM APPROXIMATE 6.0M HEIGHT

**FROM TOP OF MAIN BUILDING BODY AT:

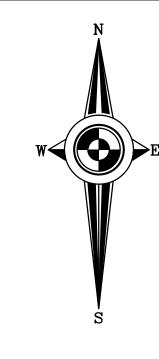
13 STOREYS: 41.25 M 15 STOREYS: 46.80 M

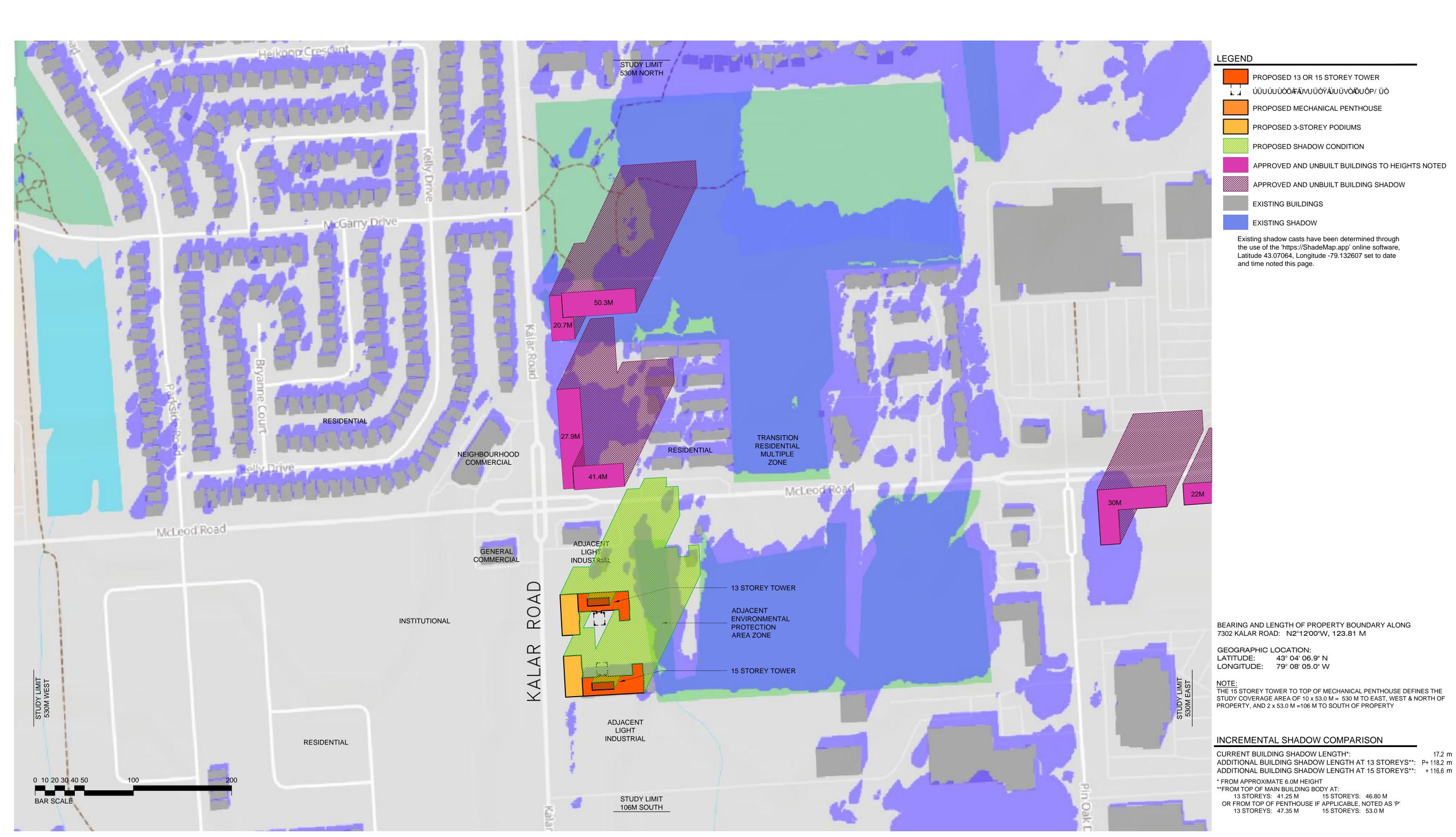
OR FROM TOP OF PENTHOUSE IF APPLICABLE, NOTED AS 'P'

13 STOREYS: 47.35 M 15 STOREYS: 53.0 M

DEC. 21 at 1:00 PM

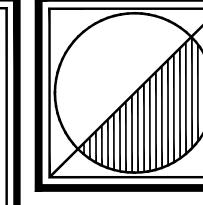






DEC. 21 at 2:00 PM

SCALE: 1:2000



Peter J. Lesdow

r chit tect

4465 Drummond Road, Unit 11 at Niagara Falls, Onlario L2E 6C5



SHADOW STUDY DEC. 21 at 2:00 PM

DATE REVISIONS
Apr. 08/ 23 PRE-CONSULTATION APPLICATION
Feb. 27/ 24 FOR OPA/ZBA APPLICATION
Jul. 12/ 24 TO ADDRESS CITY OPA/ZBA COMMENTS

APARTMENTS
7302 Kalar Road

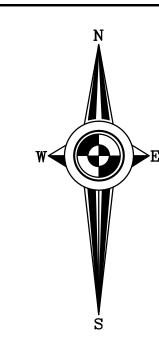
DATE: Jul. 25/24

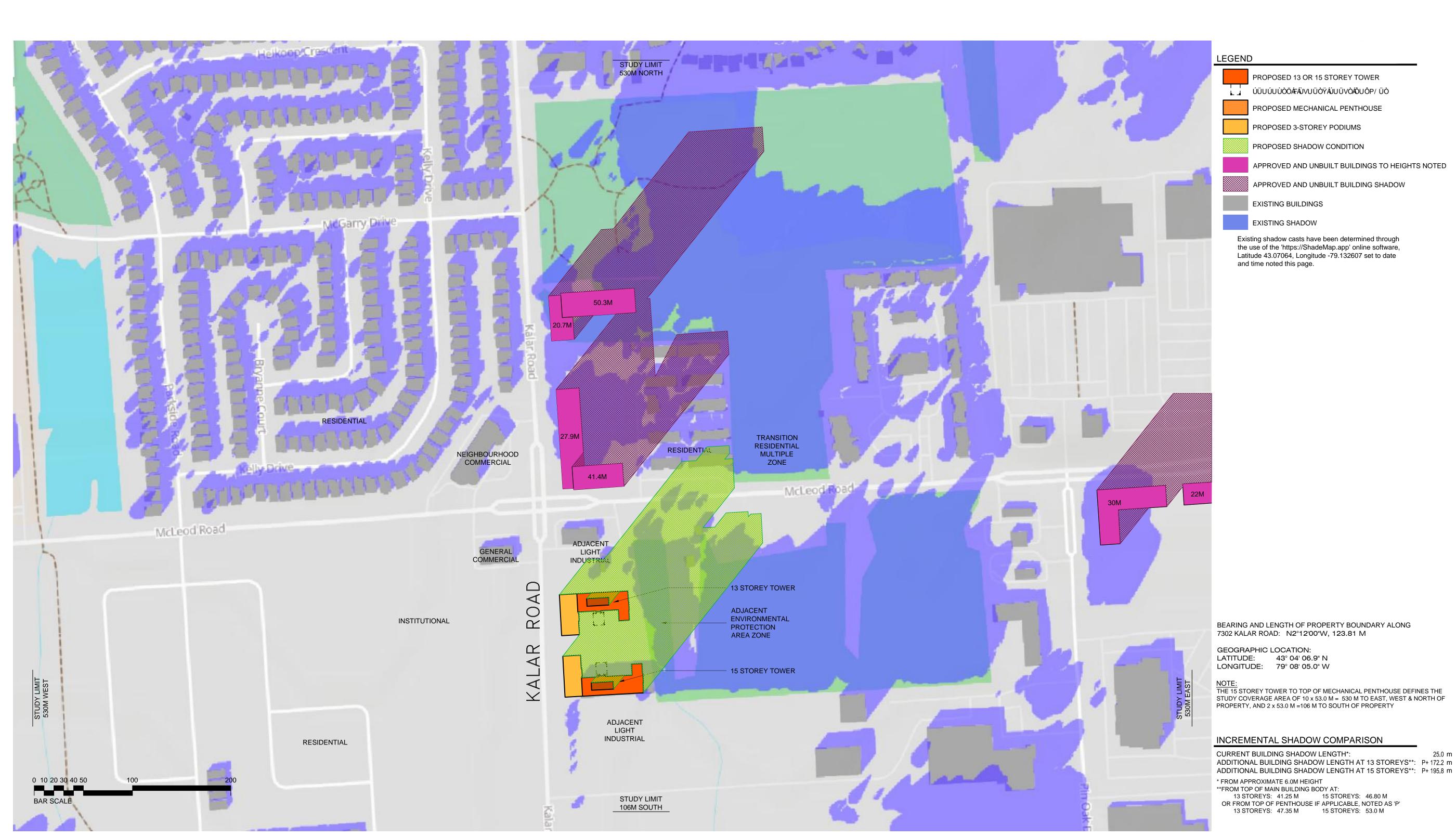
SCALE: AS NOTED

DRAWN BY: MRW

CHECK BY: PJL

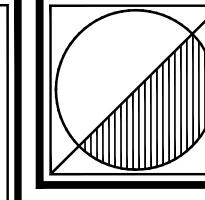
23 - 05





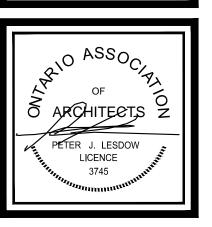
DEC. 21 at 3:00 PM

SCALE: 1:2000



e c t
alls, Ontario L2E 6C5
blesdow@cogeco.net

arching relephone: 905-357-112 e-mail: plesdow@co



SHADOW STUDY DEC. 21 at 3:00 PM

DATE REVISIONS

Apr. 08/ 23 PRE-CONSULTATION APPLICATION
Feb. 27/ 24 FOR OPA/ZBA APPLICATION
Jul. 12/ 24 TO ADDRESS CITY OPA/ZBA COMMENTS

APARTMENTS
7302 Kalar Road

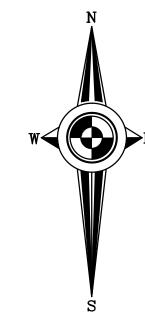
DATE: Jul. 25/24

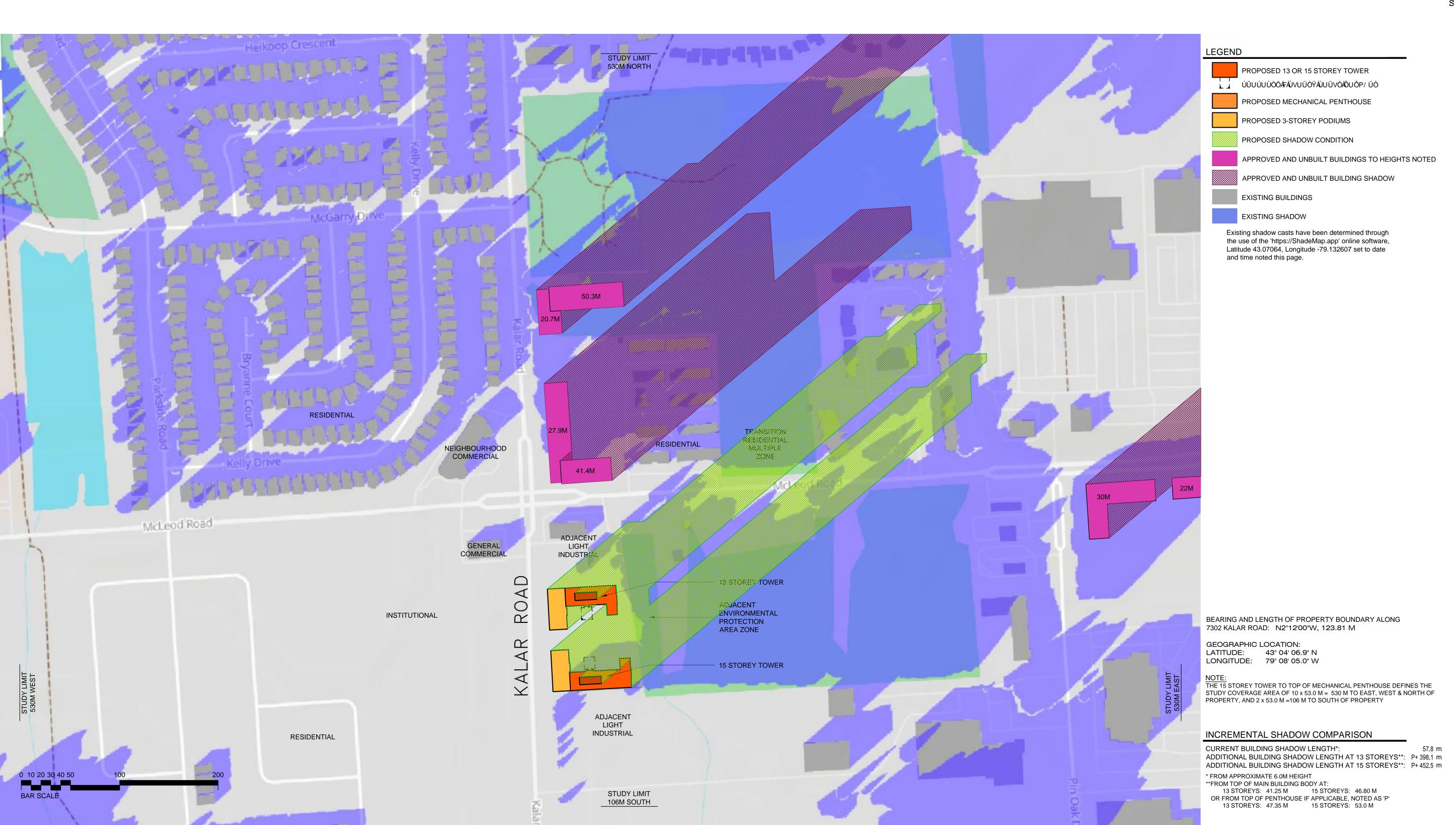
SCALE: AS NOTED

DRAWN BY: MRW

CHECK BY: PJI

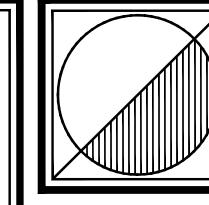
23 - 05





DEC. 21 at 4:00 PM

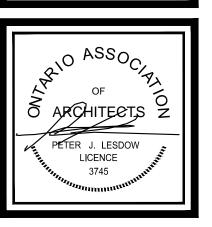
SCALE: 1:2000



Peter J. Lessdow

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4465 Drummond Road, Unit 11 at Niagara Falls, Ontario L2E 6C5



SHADOW STUDY DEC. 21 at 4:00 PM

DATE REVISIONS

Apr. 08/ 23 PRE-CONSULTATION APPLICATION
Feb. 27/ 24 FOR OPA/ZBA APPLICATION
Jul. 12/ 24 TO ADDRESS CITY OPA/ZBA COMMENTS

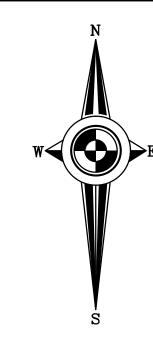
APARTMENTS

DATE: Jul. 25/24

SCALE: AS NOTED

DRAWN BY: MRW

23 - 05





PROPOSED 13 OR 15 STOREY TOWER

PROPOSED MECHANICAL PENTHOUSE

PROPOSED 3-STOREY PODIUMS

EXISTING BUILDINGS

EXISTING SHADOW

PROPOSED SHADOW CONDITION

APPROVED AND UNBUILT BUILDINGS TO HEIGHTS NOTED

APPROVED AND UNBUILT BUILDING SHADOW

GEOGRAPHIC LOCATION: LATITUDE: 43° 04' 06.9" N

LONGITUDE: 79° 08' 05.0" W

NOTE:
THE 15 STOREY TOWER TO TOP OF MECHANICAL PENTHOUSE DEFINES THE STUDY COVERAGE AREA OF 10 x 53.0 M = 530 M TO EAST, WEST & NORTH OF PROPERTY, AND 2 x 53.0 M = 106 M TO SOUTH OF PROPERTY

INCREMENTAL SHADOW COMPARISON

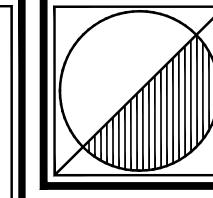
CURRENT BUILDING SHADOW LENGTH*: ADDITIONAL BUILDING SHADOW LENGTH AT 13 STOREYS**: N/A m ADDITIONAL BUILDING SHADOW LENGTH AT 15 STOREYS**: N/A m * FROM APPROXIMATE 6.0M HEIGHT

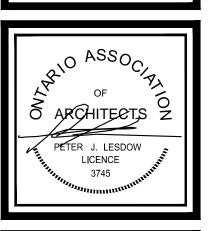
**FROM TOP OF MAIN BUILDING BODY AT:

13 STOREYS: 41.25 M 15 STOREYS: 46.80 M
OR FROM TOP OF PENTHOUSE IF APPLICABLE, NOTED AS 'P'

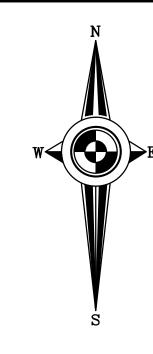
13 STOREYS: 47.35 M 15 STOREYS: 53.0 M

DEC. 21 at 5:00 PM









APPROVED AND UNBUILT BUILDING SHADOW



DEC. 21 at 6:00 PM

