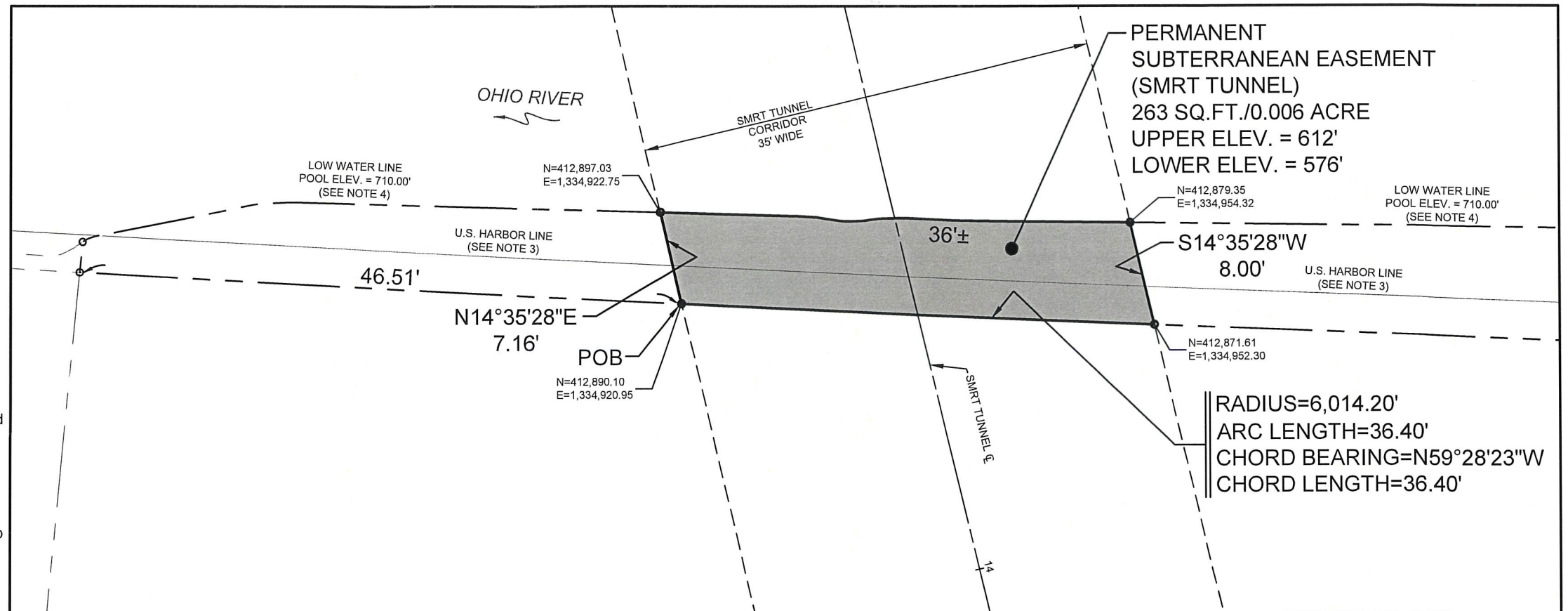


### VICINITY MAP

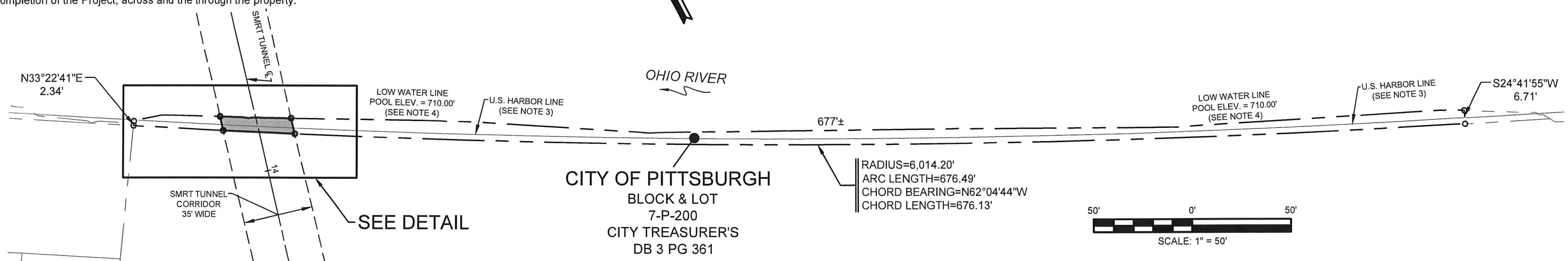
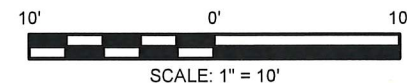
SCALE: 1"=2000

## GENERAL NOTES

- 1.) The plan was prepared based on document research, current record deed plots, right-of-way maps (where applicable) and found right-of-way evidence. This plan is not a Plan of Survey nor has a field survey of the property boundaries been performed.
- 2.) The property is subject to all prior conveyances, easement, reservations and conditions recited in all prior conveyances.
- 3.) The U.S. Harbor Line is based on U.S. Army, Corps of Engineers Plan of Ohio River U.S. Harbor Lines, Abrogated 10-15-64, Approved by the Secretary of War on November 26, 1941, and field located stations shown on the plan.
- 4.) The Low Water Line is based on U.S. Army, Corps of Engineers Plan of Ohio River U.S. Harbor Lines, Abrogated 10-15-64, Approved by the Secretary of War on November 26, 1941, Pool Elevation of 710.00' and LIDAR information from Pennsylvania Spatial Data Access (PASDA), United States Geological Survey (USGS) dated 2020.
- 5.) Horizontal Datum is based on Pennsylvania State Plane Coordinate System, South Zone, NAD 1983 and Vertical Datum is based on North American Vertical Datum of 1988, NAVD 88.
- 6.) The permanent subterranean easement contains the volume bounded by the projection of the metes and bounds described hereon (263 s.f.), and upper plane elevation of 612' and a lower plane elevation of 576'.
- 7.) Permanent subterranean easement or easements in the area(s) shown on the plan are hereto for work and operations necessary or convenient for ALCOSAN's planning, implementation, execution, construction, installation, and completion of the Project, across and the through the property.



## DETAIL



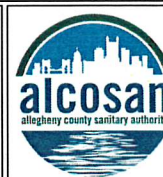
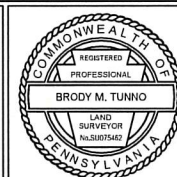
Surveyed by:	REVISION			
MBE	REV No.	DATE	DESCRIPTION	APPV
Drawn by:				
BPP				
Checked by:				
BMT				

I, Brody M. Tunno, a licensed Professional Land Surveyor in the Commonwealth of Pennsylvania, hereby certify, to the best of my knowledge, information and belief, that this plan is correct and has been surveyed and prepared by me or under my direct supervision.

Brady M. Tunno 04/12/2024  
Brady M. Tunno PLS #SJ1075462 Date

**mbe**  
monaloh basin engineers

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ALLEGHENY COUNTY SANITARY AUTHORITY  
19TH WARD, CITY OF PITTSBURGH  
COUNTY OF ALLEGHENY, PENNSYLVANIA

---

CITY OF PITTSBURGH  
BLOCK & LOT 7-P-200

PERMANENT SUBTERRANEAN  
EASEMENT EXHIBIT

Contract:	S485
CAD File name:	3364-01 - 7-P-200 Easement Exhibit.dwg
Date:	04/12/2024
Sheet:	1 OF 1

**Permanent Subterranean Easement**

**Parcel ID: 7-P-200**

**Page 1 of 2**

**Permanent Subterranean Easement – SMRT Tunnel**

All that piece or parcel of land situate in the 19th Ward of the City of Pittsburgh, Allegheny County, Pennsylvania, having boundaries comprised of two subterranean horizontal planes and four vertical planes so as to be a closed three dimensional shape, being more particularly described as follows:

The two horizontal planes, the first of which is at an elevation of 612 feet, and the second of which is at an elevation of 576 feet, both elevations as established by the North American Vertical Datum of 1988, each of which is bounded as follows:

Beginning at a point at the intersection of the southerly property line of the City of Pittsburgh and the westerly line of the Permanent Subterranean Easement, said point being distant 46.51' from the intersection of the westerly property line of the City of Pittsburgh and the southerly property line of the City of Pittsburgh.

Thence from said point of beginning through the lands of the City of Pittsburgh along the westerly line of the Permanent Subterranean Easement North 14°35'28" East a distance of 7.16' to a point at the intersection of the westerly line of the Permanent Subterranean Easement and the Low Water Line of the Ohio River (Pool Elev. = 710.00');

Thence in a easterly direction along the Low Water Line of the Ohio River by its various courses 36'± to a point at the intersection of the Low Water Line of the Ohio River and the easterly line of the Permanent Subterranean Easement;

Thence through the lands of the City of Pittsburgh along the easterly line of the Permanent Subterranean Easement South 14°35'28" West a distance of 8.00' to a point at the intersection of the easterly line of the Permanent Subterranean Easement and the southerly property line of the City of Pittsburgh;

Thence along the southerly property line of the City of Pittsburgh by a curve to the right having a Radius of 6,014.20 an Arc Length of 36.40' and a Chord Bearing of North 59°28'23" West 36.40' to a point, at the place of beginning.

Each said horizontal plane containing within its said bounds 263 Square Feet, or 0.006 Acre of area more or less.

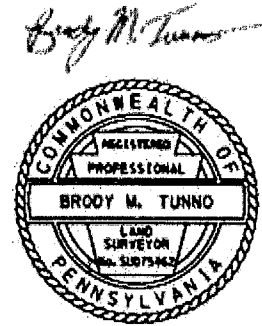
The four vertical planes and lateral surfaces that connect the boundaries of the two horizontal planes described above as to fully enclose the three dimensional shape.

**Permanent Subterranean Easement**

**Parcel ID: 7-P-200**

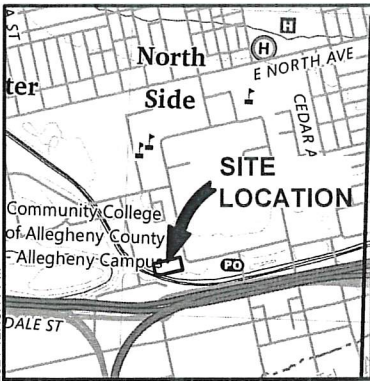
**Page 2 of 2**

Being a part of the parcel of land that James P. Kirk, City Treasurer of the City of Pittsburgh by his deed dated October 01, 1947 and recorded in City Treasurer's Deed Book 3, Page 361 conveyed to the City of Pittsburgh.





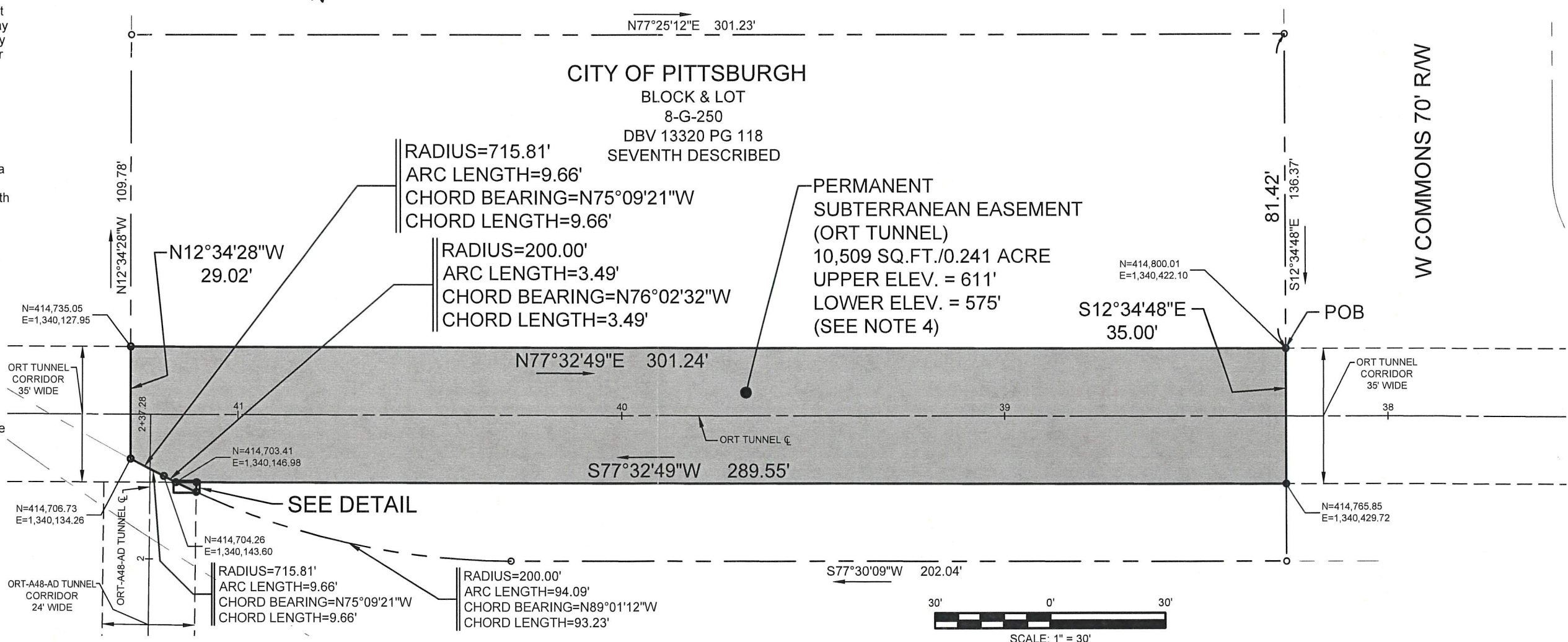
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VICINITY MAP  
SCALE: 1"=2000'

### GENERAL NOTES

- 1.) The plan was prepared based on document research, current record deed plots, right-of-way maps (where applicable) and found right-of-way evidence. This plan is not a Plan of Survey nor has a field survey of the property boundaries been performed.
- 2.) The property is subject to all prior conveyances, easement, reservations and conditions recited in all prior conveyances.
- 3.) Horizontal Datum is based on Pennsylvania State Plane Coordinate System, South Zone, NAD 1983 and Vertical Datum is based on North American Vertical Datum of 1988, NAVD 88.
- 4.) The permanent subterranean easement contains the volume bounded by the projection of the metes and bounds described hereon (10,509 s.f.), and upper plane elevation of 611' and a lower plane elevation of 575.'
- 5.) The permanent subterranean easement contains the volume bounded by the projection of the metes and bounds described hereon (7 s.f.), and upper plane elevation of 605' and a lower plane elevation of 580.'
- 6.) Permanent subterranean easement or easements in the area(s) shown on the plan are hereto for work and operations necessary or convenient for ALCOSAN's planning, implementation, execution, construction, installation, and completion of the Project, across and the through the property.



	REV No.	DATE	REVISION	
			DESCRIPTION	APPV
Surveyed by:				
MBE				
Drawn by:				
BPP				
Checked by:				
BMT				

I, Brody M. Tunno, a licensed Professional Land Surveyor in the Commonwealth of Pennsylvania, hereby certify, to the best of my knowledge, information and belief, that this plan is correct and has been surveyed and prepared by me or under my direct supervision.

*Brody M. Tunno*  
Brody M. Tunno, PLS #SU075462

04/12/2024  
Date

**mbe**  
monaloh basin engineers

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ALLEGHENY COUNTY SANITARY AUTHORITY  
22ND WARD, CITY OF PITTSBURGH  
COUNTY OF ALLEGHENY, PENNSYLVANIA

**CITY OF PITTSBURGH**  
BLOCK & LOT 8-G-250  
**PERMANENT SUBTERRANEAN  
EASEMENT EXHIBIT**

Contract: S485

CAD File name: 3364-01 - 8-G-250 Easement Exhibit.dwg

Date: 04/12/2024

Sheet: 1 OF 1





**Permanent Subterranean Easement**

**Parcel ID: 8-G-250**

**Page 1 of 3**

**Permanent Subterranean Easement – ORT Tunnel**

All that piece or parcel of land situate in the 22nd Ward of the City of Pittsburgh, Allegheny County, Pennsylvania, having boundaries comprised of two subterranean horizontal planes and six vertical planes so as to be a closed three dimensional shape, being more particularly described as follows:

The two horizontal planes, the first of which is at an elevation of 611 feet, and the second of which is at an elevation of 575 feet, both elevations as established by the North American Vertical Datum of 1988, each of which is bounded as follows:

Beginning at a point at the intersection of the northerly line of the Permanent Subterranean Easement and the westerly line of W Commons (70' wide), said point being distant 81.42' from the intersection of the northerly property of the City of Pittsburgh and the westerly line of W Commons.

Thence from said point of beginning along the westerly line of W Commons South 12°34'48" East a distance of 35.00' to a point at intersection of the westerly line of W Commons and the southerly line of the Permanent Subterranean Easement;

Thence through the lands of the City of Pittsburgh along the southerly line of the Permanent Subterranean Easement South 77°32'49" West a distance of 289.55' to a point at the intersection of the southerly line of the Permanent Subterranean Easement and the southerly property line of the City of Pittsburgh;

Thence along the southerly property line of the City of Pittsburgh by a curve to the right having a Radius of 200.00' an Arc Length of 3.49' and a Chord Bearing of North 76°02'32" West 3.49' to a point at a compound curve;

Thence continuing along the southerly property line of the City of Pittsburgh by a curve to the right having a Radius of 715.81' an Arc Length of 9.66' and a Chord Bearing of North 75°09'21" West 9.66' to a point at the intersection of the southerly property line of the City of Pittsburgh and the westerly property line of the City of Pittsburgh;

Thence along the westerly property line of the City of Pittsburgh North 12°34'28" West a distance of 29.02' to a point at the intersection of the westerly property line of the City of Pittsburgh and the northerly line of the Permanent Subterranean Easement;



## **Permanent Subterranean Easement**

**Parcel ID: 8-G-250**

**Page 2 of 3**

Thence through the lands of the City of Pittsburgh along the northerly line of the Permanent Subterranean Easement North  $77^{\circ}32'49''$  East a distance of 301.24' to a point, at the place of beginning.

Each said horizontal plane containing within its said bounds 10,509 Square Feet, or 0.241 Acre of area more or less.

The six vertical planes and lateral surfaces that connect the boundaries of the two horizontal planes described above as to fully enclose the three dimensional shape.

Being a part of the parcel of land that the Urban Redevelopment Authority of Pittsburgh by their deed dated July 27, 2007 and recorded in Deed Book Volume 13320, Page 118 conveyed to the City of Pittsburgh.

### **Permanent Subterranean Easement – ORT-A48-AD Tunnel**

All that piece or parcel of land situate in the 22nd Ward of the City of Pittsburgh, Allegheny County, Pennsylvania, having boundaries comprised of two subterranean horizontal planes and three vertical planes so as to be a closed three dimensional shape, being more particularly described as follows:

The two horizontal planes, the first of which is at an elevation of 605 feet, and the second of which is at an elevation of 580 feet, both elevations as established by the North American Vertical Datum of 1988, each of which is bounded as follows:

Beginning at a point at the intersection of the easterly line of the Permanent Subterranean Easement and the southerly property line of the City of Pittsburgh.

Thence from said point of beginning along the southerly property line of the City of Pittsburgh by a curve to the right have a Radius of 200.00' an Arc Length of 5.90' and a Chord Bearing of North  $77^{\circ}23'13''$  West 5.90' to a point at the intersection of the southerly property line of the City of Pittsburgh and the northerly line of the Permanent Subterranean Easement;

Thence through the lands of the City of Pittsburgh along the northerly line of the Permanent Subterranean Easement North  $77^{\circ}32'49''$  East a distance of 5.36' to a point at the intersection of the northerly line of the Permanent Subterranean Easement and the easterly line of the Permanent Subterranean Easement;



**Permanent Subterranean Easement**

**Parcel ID: 8-G-250**

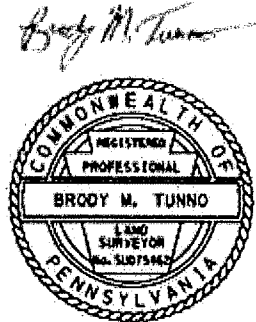
**Page 3 of 3**

Thence continuing through the lands of the City of Pittsburgh along the easterly line of the Permanent Subterranean Easement South  $11^{\circ}59'30''$  East a distance of 2.50' to a point, at the place of beginning.

Each said horizontal plane containing within its said bounds 7 Square Feet of area more or less.

The three vertical planes and lateral surfaces that connect the boundaries of the two horizontal planes described above as to fully enclose the three dimensional shape.

Being a part of the parcel of land that the Urban Redevelopment Authority of Pittsburgh by their deed dated July 27, 2007 and recorded in Deed Book Volume 13320, Page 118 conveyed to the City of Pittsburgh.



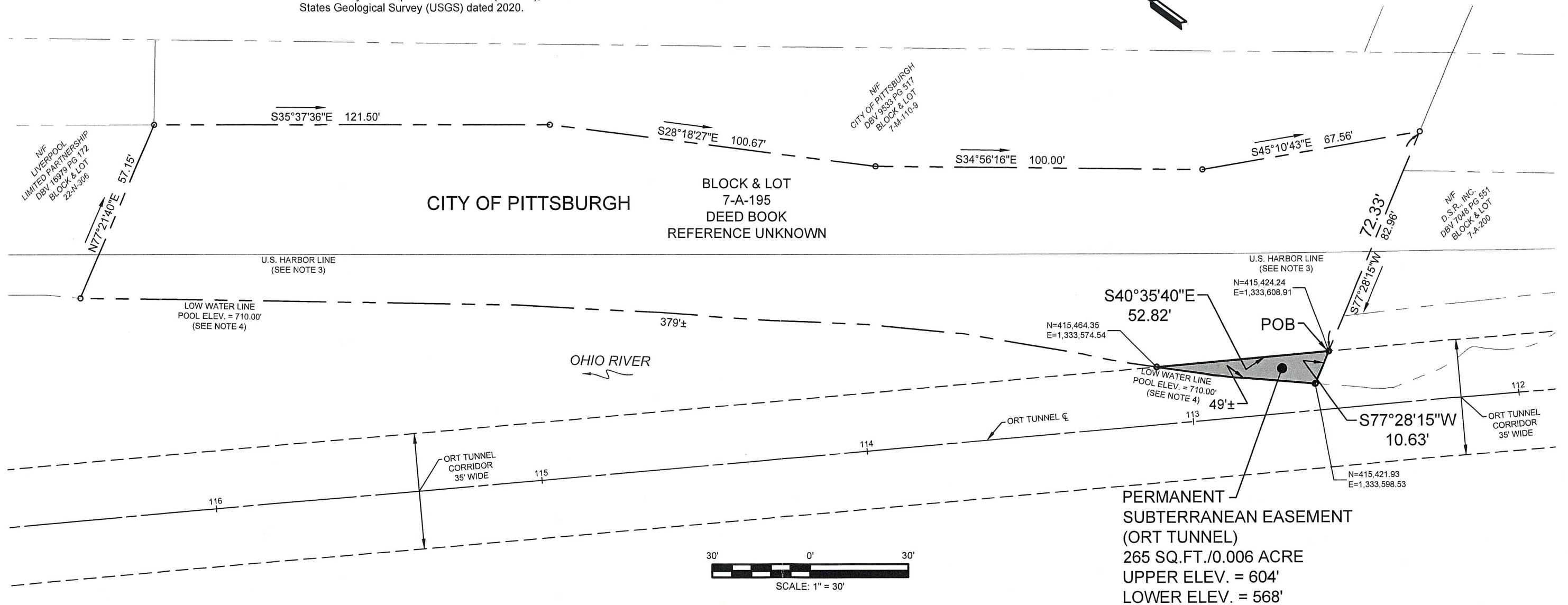
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PLOT DATE: 4/12/2024 1:19:57 PM  
LAST SAVED BY: BPTCHER



VICINITY MAP  
SCALE: 1"=2000'

### GENERAL NOTES

- 1.) The plan was prepared based on document research, current record deed plots, right-of-way maps (where applicable) and found right-of-way evidence. This plan is not a Plan of Survey nor has a field survey of the property boundaries been performed.
- 2.) The property is subject to all prior conveyances, easement, reservations and conditions recited in all prior conveyances.
- 3.) The U.S. Harbor Line is based on U.S. Army, Corps of Engineers Plan of Ohio River U.S. Harbor Lines, Abrogated 10-15-64, Approved by the Secretary of War on November 26, 1941, and field located stations shown on the plan.
- 4.) The Low Water Line is based on U.S. Army, Corps of Engineers Plan of Ohio River U.S. Harbor Lines, Abrogated 10-15-64, Approved by the Secretary of War on November 26, 1941, Pool Elevation of 710.00' and LiDAR information from Pennsylvania Spatial Data Access (PASDA), United States Geological Survey (USGS) dated 2020.
- 5.) Horizontal Datum is based on Pennsylvania State Plane Coordinate System, South Zone, NAD 1983 and Vertical Datum is based on North American Vertical Datum of 1988, NAVD 88.
- 6.) The permanent subterranean easement contains the volume bounded by the projection of the metes and bounds described hereon (265 s.f.), and upper plane elevation of 604' and a lower plane elevation of 568'.
- 7.) Permanent subterranean easement or easements in the area(s) shown on the plan are hereto for work and operations necessary or convenient for ALCOSAN's planning, implementation, execution, construction, installation, and completion of the Project, across and the through the property.

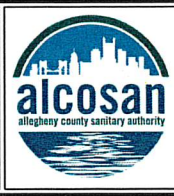
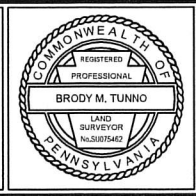


Surveyed by:	REVISION			
	REV No.	DATE	DESCRIPTION	APPV
MBE				
BPP				
BMT				

I, Brody M. Tunno, a licensed Professional Land Surveyor in the Commonwealth of Pennsylvania, hereby certify, to the best of my knowledge, information and belief, that this plan is correct and has been surveyed and prepared by me or under my direct supervision.

*Brody M. Tunno*  
Brody M. Tunno, PLS #SU075462  
04/12/2024  
Date

**mbe**  
monaloh basin engineers  
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ALLEGHENY COUNTY SANITARY AUTHORITY  
21ST WARD, CITY OF PITTSBURGH  
COUNTY OF ALLEGHENY, PENNSYLVANIA  
**CITY OF PITTSBURGH**  
BLOCK & LOT 7-A-195  
**PERMANENT SUBTERRANEAN  
EASEMENT EXHIBIT**

Contract: S485  
CAD File name: 3364-01 - 7-A-195 Easement Exhibit.dwg  
Date: 04/12/2024  
Sheet: 1 OF 1



**Permanent Subterranean Easement**

**Parcel ID: 7-A-195**

**Page 1 of 1**

**Permanent Subterranean Easement – ORT Tunnel**

All that piece or parcel of land situate in the 21st Ward of the City of Pittsburgh, Allegheny County, Pennsylvania, having boundaries comprised of two subterranean horizontal planes and three vertical planes so as to be a closed three dimensional shape, being more particularly described as follows:

The two horizontal planes, the first of which is at an elevation of 604 feet, and the second of which is at an elevation of 568 feet, both elevations as established by the North American Vertical Datum of 1988, each of which is bounded as follows:

Beginning at a point at the intersection of the easterly line of the Permanent Subterranean Easement and the southerly Property Line of the City of Pittsburgh, said point being distant 72.33' from the northeasterly most corner of the lands of the City of Pittsburgh.

Thence from said point of beginning along the lands of the City of Pittsburgh South 77°28'15" West a distance of 10.63' to a point at the Low Water Line of the Ohio River (Pool Elevation 710.00');

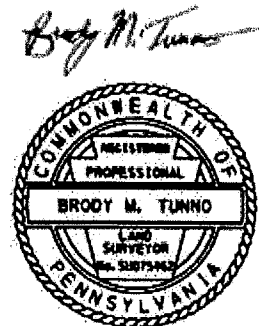
Thence along the Low Water Line of the Ohio River in a northwesterly direction by its various courses a distance of 49'± to a point at the intersection of the Low Water Line and the easterly line of the Permanent Subterranean Easement;

Thence through the lands of the City of Pittsburgh along the easterly line of the Permanent Subterranean Easement South 40°35'40" East a distance of 52.82' to a point, at the place of beginning.

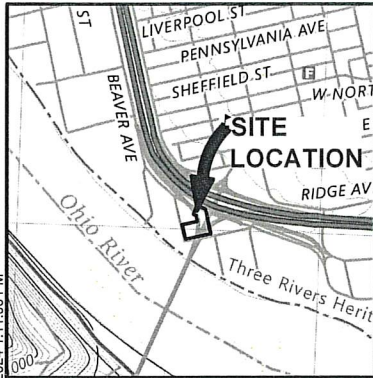
Each said horizontal plane containing within its said bounds 265 Square Feet, or 0.006 Acre of area, more or less.

The three vertical planes and lateral surfaces that connect the boundaries of the two horizontal planes described above as to fully enclose the three dimensional shape.

Being part of Block & Lot number 7-A-195, conveyed to the City of Pittsburgh by an unknown Deed Book Volume.



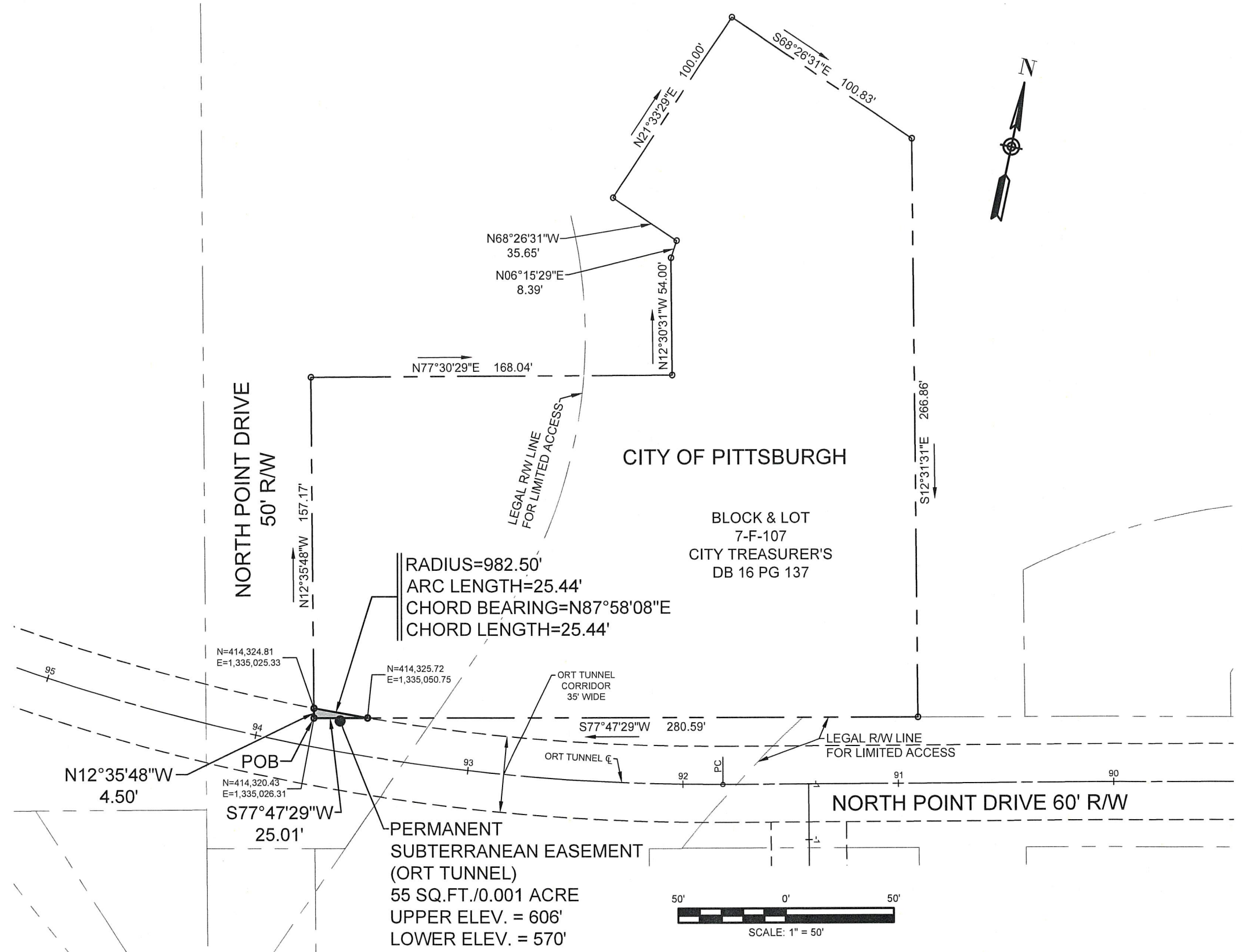
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VICINITY MAP  
SCALE: 1"=2000'

### GENERAL NOTES

- 1.) The plan was prepared based on document research, current record deed plots, right-of-way maps (where applicable) and found right-of-way evidence. This plan is not a Plan of Survey nor has a field survey of the property boundaries been performed.
- 2.) The property is subject to all prior conveyances, easement, reservations and conditions recited in all prior conveyances.
- 3.) Horizontal Datum is based on Pennsylvania State Plane Coordinate System, South Zone, NAD 1983 and Vertical Datum is based on North American Vertical Datum of 1988, NAVD 88.
- 4.) The permanent subterranean easement contains the volume bounded by the projection of the metes and bounds described hereon (55 s.f.), and upper plane elevation of 606' and a lower plane elevation of 570'.
- 5.) Permanent subterranean easement or easements in the area(s) shown on the plan are hereto for work and operations necessary or convenient for ALCOSAN's planning, implementation, execution, construction, installation, and completion of the Project, across and the through the property.



	REVISION			
	REV No.	DATE	DESCRIPTION	APPV
Surveyed by:				
MBE				
Drawn by:				
BPP				
Checked by:				
BMT				

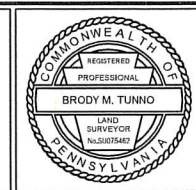
I, Brody M. Tunno, a licensed Professional Land Surveyor in the Commonwealth of Pennsylvania, hereby certify, to the best of my knowledge, information and belief, that this plan is correct and has been surveyed and prepared by me or under my direct supervision.

*Brody M. Tunno*  
Brody M. Tunno, PLS #SU075462

04/12/2024  
Date

**mbe**  
monaloh basin engineers

Campbells Run Business Center  
300 Business Center Drive, Suite 304  
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ALLEGHENY COUNTY SANITARY AUTHORITY  
21ST WARD, CITY OF PITTSBURGH  
COUNTY OF ALLEGHENY, PENNSYLVANIA

**CITY OF PITTSBURGH**  
BLOCK & LOT 7-F-107  
**PERMANENT SUBTERRANEAN  
EASEMENT EXHIBIT**

Contract: S485

CAD File name: 3364-01 - 7-F-107 Easement Exhibit.dwg

Date: 04/12/2024

Sheet: 1 OF 1



**Permanent Subterranean Easement**

**Parcel ID: 7-F-107**

**Page 1 of 1**

**Permanent Subterranean Easement – ORT Tunnel**

All that piece or parcel of land situate in the 21st Ward of the City of Pittsburgh, Allegheny County, Pennsylvania, having boundaries comprised of two subterranean horizontal planes and three vertical planes so as to be a closed three dimensional shape, being more particularly described as follows:

The two horizontal planes, the first of which is at an elevation of 606 feet, and the second of which is at an elevation of 570 feet, both elevations as established by the North American Vertical Datum of 1988, each of which is bounded as follows:

Beginning at a point at the intersection of the easterly line of North Point Drive (50' wide) and the northerly line of North Point Drive (60' wide);

Thence from said point of beginning along the easterly line of North Point Drive North  $12^{\circ}35'48''$  West a distance of 4.50' to a point at the intersection of the easterly line of North Point Drive and the northerly line of the Permanent Subterranean Easement;

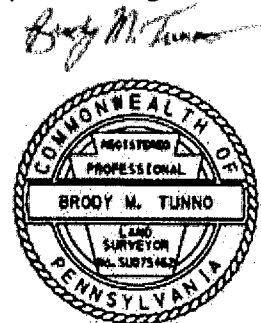
Thence through the lands of the City of Pittsburgh by a curve to the left having a Radius of 982.50' an Arc Length of 25.44' and a Chord Bearing of North  $87^{\circ}58'08''$  East a distance of 25.44' to a point at the intersection of the northerly line of the Permanent Subterranean Easement and the northerly line of North Point Drive;

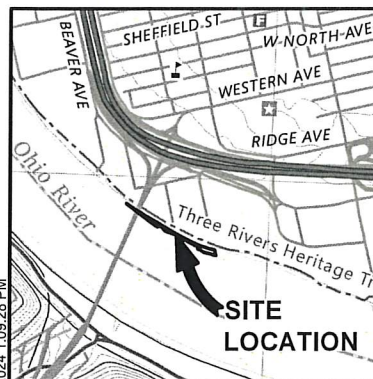
Thence along the northerly line of North Point Drive South  $77^{\circ}47'29''$  West a distance of 25.01' to a point, at the place of beginning.

Each said horizontal plane containing within its said bounds 55 Square Feet, or 0.001 Acre of area more or less.

The three vertical planes and lateral surfaces that connect the boundaries of the two horizontal planes described above as to fully enclose the three dimensional shape.

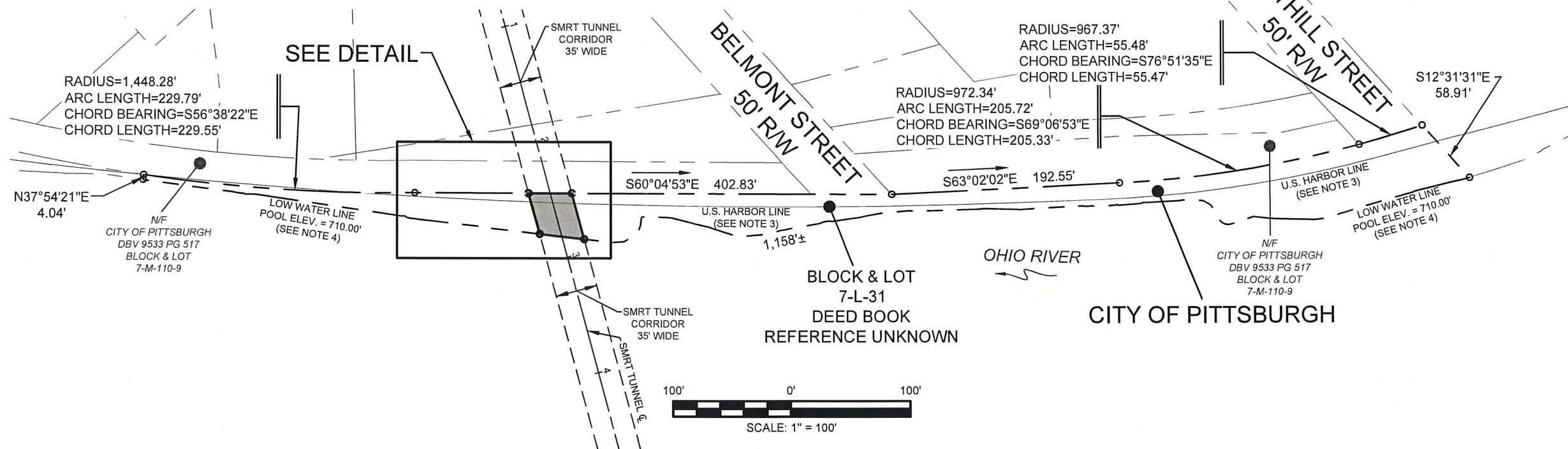
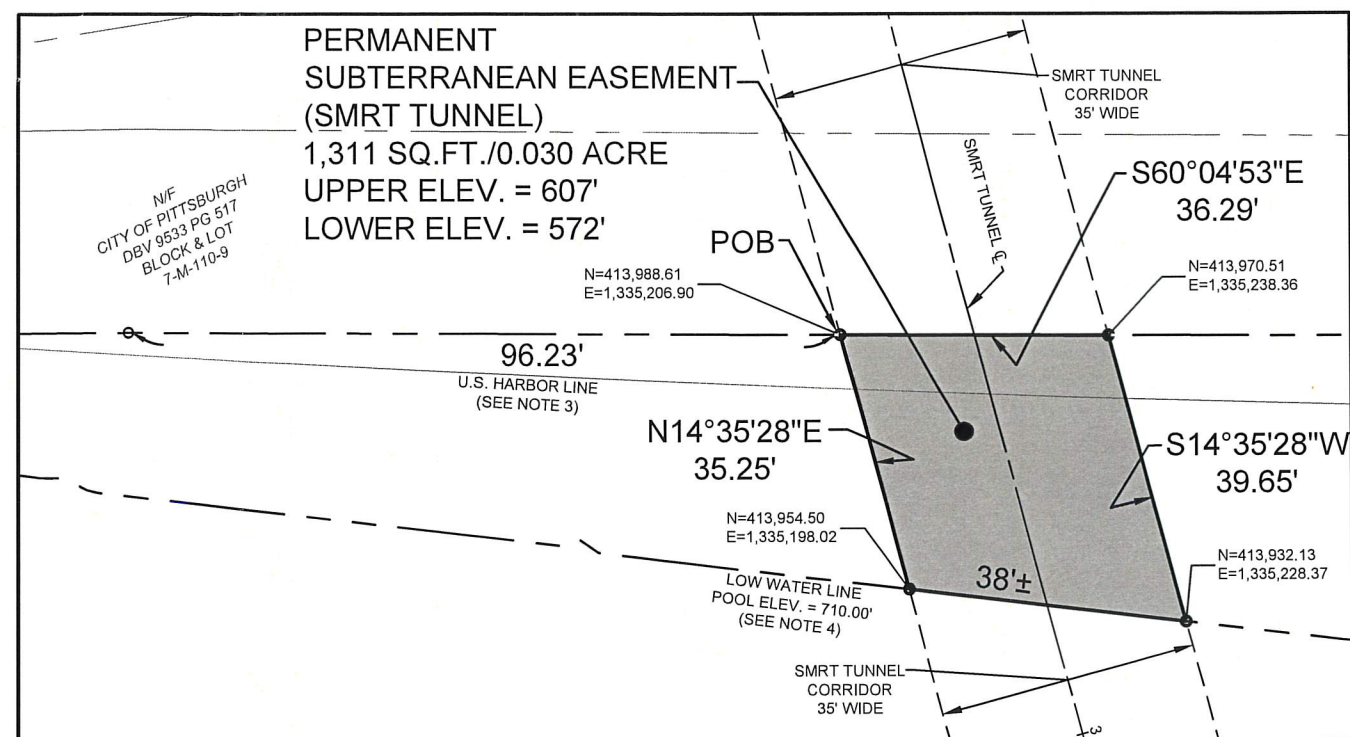
Being a part of the parcel of land that the Treasurer, City of Pittsburgh by its deed dated February 06, 1995 and recorded in City Treasurer's Deed Book 16, Page 137 conveyed to the City of Pittsburgh.





## GENERAL NOTES

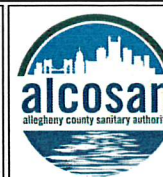
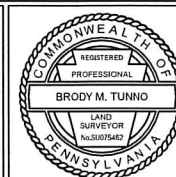
- 1.) The plan was prepared based on document research, current record deed plots, right-of-way maps (where applicable) and found right-of-way evidence. This plan is not a Plan of Survey nor has a field survey of the property boundaries been performed.
- 2.) The property is subject to all prior conveyances, easement, reservations and conditions recited in all prior conveyances.
- 3.) The U.S. Harbor Line is based on U.S. Army, Corps of Engineers Plan of Ohio River U.S. Harbor Lines, Abrogated 10-15-64, Approved by the Secretary of War on November 26, 1941, and field located stations shown on the plan.
- 4.) The Low Water Line is based on U.S. Army, Corps of Engineers Plan of Ohio River U.S. Harbor Lines, Abrogated 10-15-64, Approved by the Secretary of War on November 26, 1941, Pool Elevation of 710.00' and LiDAR information from Pennsylvania Spatial Data Access (PASDA), United States Geological Survey (USGS) dated 2020.
- 5.) Horizontal Datum is based on Pennsylvania State Plane Coordinate System, South Zone, NAD 1983 and Vertical Datum is based on North American Vertical Datum of 1988, NAVD 88.
- 6.) The permanent subterranean easement contains the volume bounded by the projection of the metes and bounds described hereon (1,311 s.f.), and upper plane elevation of 607' and a lower plane elevation of 572'.
- 7.) Permanent subterranean easement or easements in the area(s) shown on the plan are hereto for work and operations necessary or convenient for ALCOSAN's planning, implementation, execution, construction, installation, and completion of the Project, across and the through the property.



Surveyed by:	REVISION			
MBE	REV No.	DATE	DESCRIPTION	APPV
Drawn by:				
BPP				
Checked by:				
BMT				

**mbe**  
monaloh basin engineers

Campbells Run Business Center  
300 Business Center Drive, Suite 304  
Pittsburgh, PA 15205  
Office: 412-788-2433 Fax: 412-788-2295  
[www.mbe-eng.com](http://www.mbe-eng.com)



**ARLETTA SCOTT WILLIAMS**  
EXECUTIVE DIRECTOR, ALCOSAN

3300 PREBLE AVE  
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PITTSBURGH, PA 15233  
(412) 766-4810

[www.alcosan.org](http://www.alcosan.org)

ALLEGHENY COUNTY SANITARY AUTHORITY  
21ST WARD, CITY OF PITTSBURGH  
COUNTY OF ALLEGHENY, PENNSYLVANIA  
CITY OF PITTSBURGH  
BLOCK & LOT 7-L-31  
PERMANENT SUBTERRANEAN  
EASEMENT EXHIBIT

Contract:	S485
CAD File name:	3364-01 - 7-L-31 Easement Exhibit.dwg
Date:	04/12/2024
Sheet:	1 OF 1



**Permanent Subterranean Easement**

**Parcel ID: 7-L-31**

**Page 1 of 1**

**Permanent Subterranean Easement – SMRT Tunnel**

All that piece or parcel of land situate in the 21st Ward of the City of Pittsburgh, Allegheny County, Pennsylvania, having boundaries comprised of two subterranean horizontal planes and four vertical planes so as to be a closed three dimensional shape, being more particularly described as follows:

The two horizontal planes, the first of which is at an elevation of 607 feet, and the second of which is at an elevation of 572 feet, both elevations as established by the North American Vertical Datum of 1988, each of which is bounded as follows:

Beginning at a point at the intersection of the northerly line of the Permanent Subterranean Easement and the easterly Property Line of the City of Pittsburgh, said point being distant 96.23' from a corner on the easterly Property Line of the City of Pittsburgh;

Thence from said point of beginning along the lands of the City of Pittsburgh South 60°04'53" East a distance of 36.29' to a point at the intersection of the easterly Property Line of the City of Pittsburgh and the southerly line of the Permanent Subterranean Easement;

Thence through the lands of the City of Pittsburgh along the southerly line of the Permanent Subterranean Easement South 14°35'28" West a distance of 39.65' to a point at the intersection of the southerly line of the Permanent Subterranean Easement and the Low Water Line of the Ohio River (Pool Elevation = 710.00');

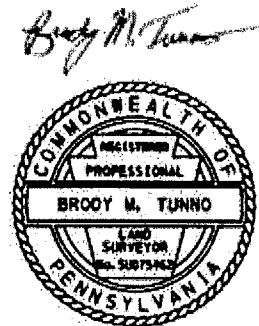
Thence along the Low Water Line of the Ohio River by its various courses a distance of 38'± to a point at the intersection of the Low Water Line of the Ohio River and the northerly line of the Permanent Subterranean Easement;

Thence through the lands of the City of Pittsburgh along the northerly line of the Permanent Subterranean Easement North 14°35'28" East a distance of 35.25 to a point, at the place of beginning.

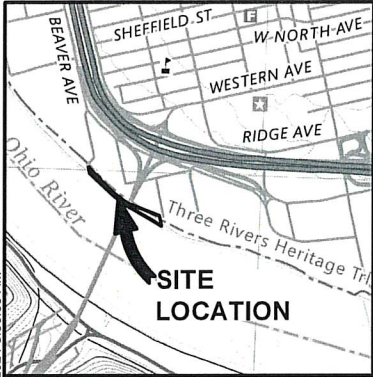
Each said horizontal plane containing within its said bounds 1,311 Square Feet, or 0.030 Acre of area more or less.

The four vertical planes and lateral surfaces that connect the boundaries of the two horizontal planes described above as to fully enclose the three dimensional shape.

Being part of Block & Lot number 7-L-31, conveyed to the City of Pittsburgh by an unknown Deed Book Volume.



FILE NAME: I:\3364\3364-01 - ORT Mott MacDonald\06 Right-Of-Way\Cadd Files\Production Plans\Property Exhibits\Subsurface Easement Exhibits - 3364-01 - 7-M-110-9 Easement Exhibit  
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LAST SAVED BY: BPITCHER

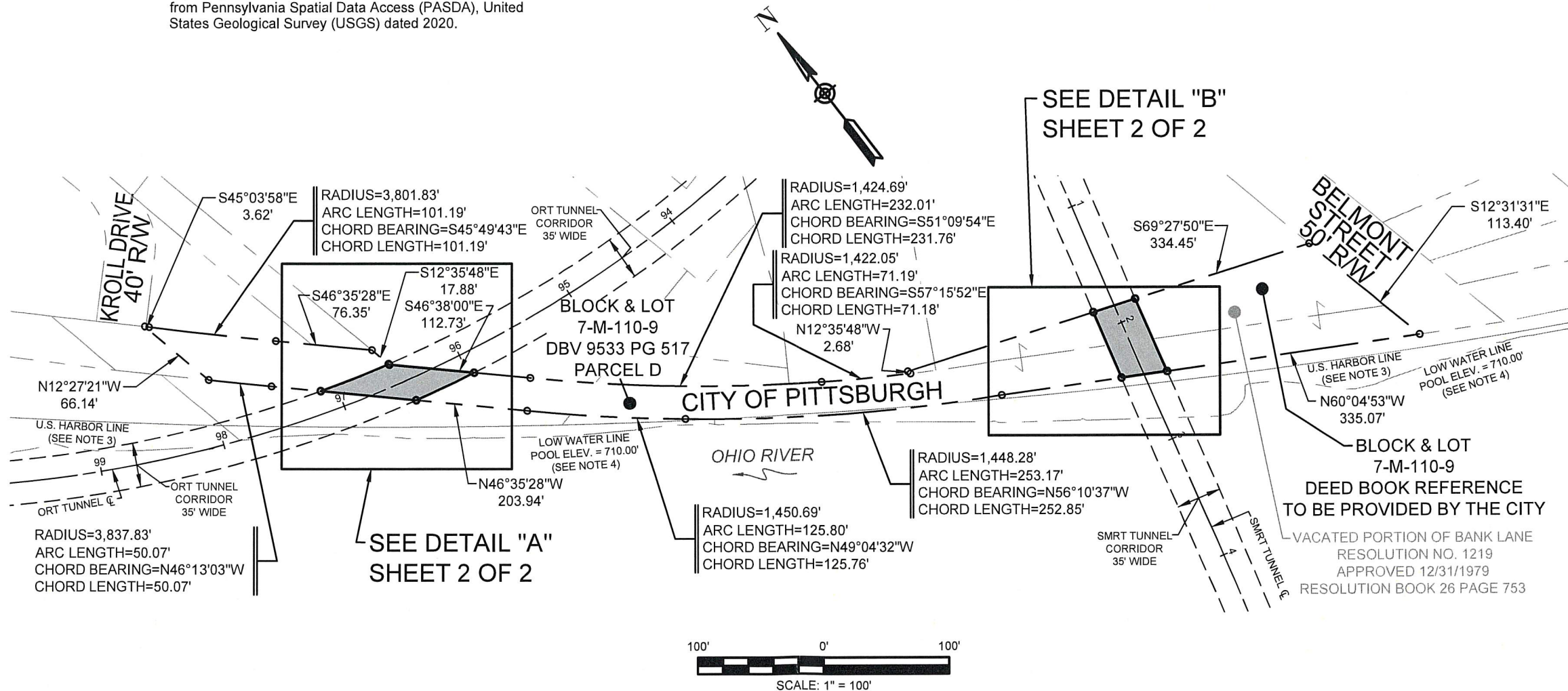


**VICINITY MAP**  
SCALE: 1"=2000'



### GENERAL NOTES

- 1.) The plan was prepared based on document research, current record deed plots, right-of-way maps (where applicable) and found right-of-way evidence. This plan is not a Plan of Survey nor has a field survey of the property boundaries been performed.
- 2.) The property is subject to all prior conveyances, easement, reservations and conditions recited in all prior conveyances.
- 3.) The U.S. Harbor Line is based on U.S. Army, Corps of Engineers Plan of Ohio River U.S. Harbor Lines, Abrogated 10-15-64, Approved by the Secretary of War on November 26, 1941, and field located stations shown on the plan.
- 4.) The Low Water Line is based on U.S. Army, Corps of Engineers Plan of Ohio River U.S. Harbor Lines, Abrogated 10-15-64, Approved by the Secretary of War on November 26, 1941, Pool Elevation of 710.00' and LiDAR information from Pennsylvania Spatial Data Access (PASDA), United States Geological Survey (USGS) dated 2020.
- 5.) Horizontal Datum is based on Pennsylvania State Plane Coordinate System, South Zone, NAD 1983 and Vertical Datum is based on North American Vertical Datum of 1988, NAVD 88.
- 6.) Permanent subterranean easement or easements in the area(s) shown on the plan are hereto for work and operations necessary or convenient for ALCOSAN's planning, implementation, execution, construction, installation, and completion of the Project, across and the through the property.



	REV No.	DATE	DESCRIPTION	APPV
Surveyed by:				
MBE				
Drawn by:				
BPP				
Checked by:				
BMT				

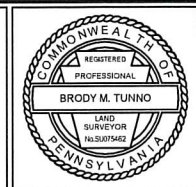
I, Brody M. Tunno, a licensed Professional Land Surveyor in the Commonwealth of Pennsylvania, hereby certify, to the best of my knowledge, information and belief, that this plan is correct and has been surveyed and prepared by me or under my direct supervision.

**DRAFT**

Brody M. Tunno, PLS #SU075462 \_\_\_\_\_ Date \_\_\_\_\_

**mbe**  
monaloh basin engineers

Campbells Run Business Center  
300 Business Center Drive, Suite 304  
Pittsburgh, PA 15205  
Office: 412-788-2433 Fax: 412-788-2295  
www.mbe-eng.com



**alcosan**  
allegheny county sanitary authority

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EXECUTIVE DIRECTOR, ALCOSAN

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PITTSBURGH, PA 15233  
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ALLEGHENY COUNTY SANITARY AUTHORITY  
21ST WARD, CITY OF PITTSBURGH  
COUNTY OF ALLEGHENY, PENNSYLVANIA

**CITY OF PITTSBURGH**  
BLOCK & LOT 7-M-110-9  
**PERMANENT SUBTERRANEAN  
EASEMENT EXHIBIT**

Contract: S485

CAD File name: 3364-01 - 7-M-110-9 Easement Exhibit.dwg

Date: 08/28/2024

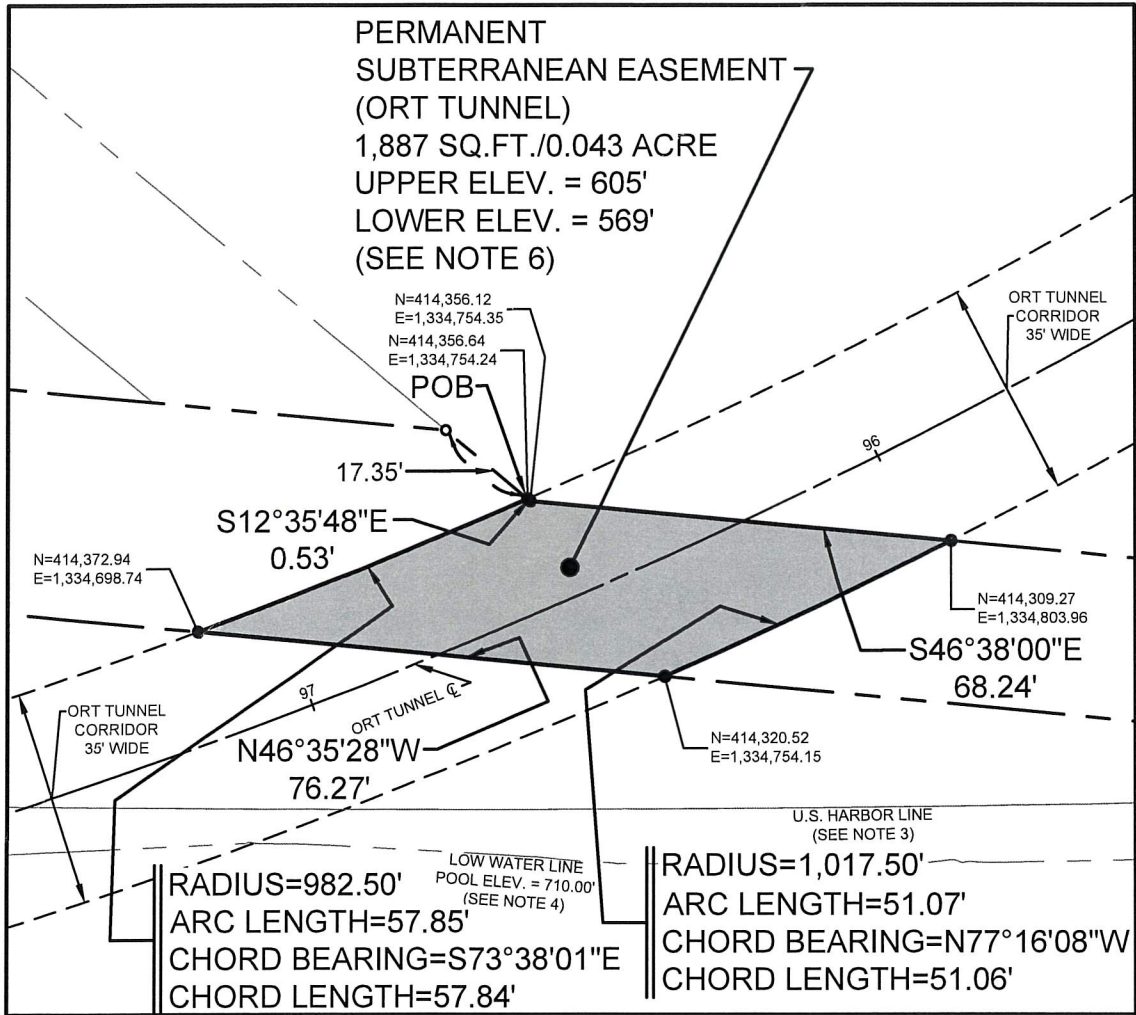
Sheet: 1 OF 2



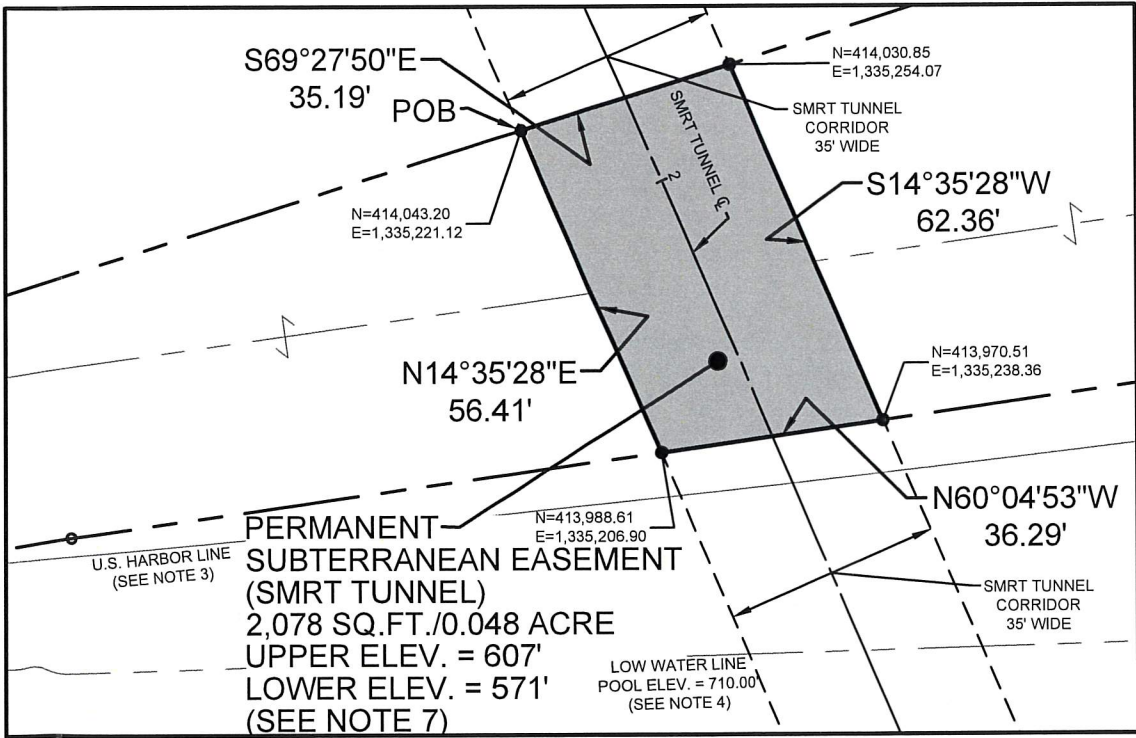
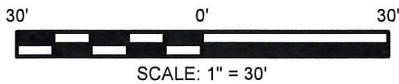
FILE NAME: I:\3364\3364-01 - ORT Mot. MacDonald06 Right-Of-Way\Cadd Files\Production Plans\Property Exhibits\Subsurface Easement Exhibits - 3364-01 - 7-M-110-9 Easement Exhibit LAST SAVED BY: BPTCHER PLOT DATE: 8/28/2024 8:56:11 AM

GENERAL NOTES

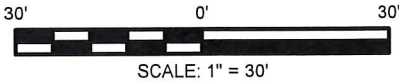
- 1.) The plan was prepared based on document research, current record deed plots, right-of-way maps (where applicable) and found right-of-way evidence. This plan is not a Plan of Survey nor has a field survey of the property boundaries been performed.
- 2.) The property is subject to all prior conveyances, easement, reservations and conditions recited in all prior conveyances.
- 3.) The U.S. Harbor Line is based on U.S. Army, Corps of Engineers Plan of Ohio River U.S. Harbor Lines, Abrogated 10-15-64, Approved by the Secretary of War on November 26, 1941, and field located stations shown on the plan.
- 4.) The Low Water Line is based on U.S. Army, Corps of Engineers Plan of Ohio River U.S. Harbor Lines, Abrogated 10-15-64, Approved by the Secretary of War on November 26, 1941, Pool Elevation of 710.00' and LiDAR information from Pennsylvania Spatial Data Access (PASDA), United States Geological Survey (USGS) dated 2020.
- 5.) Horizontal Datum is based on Pennsylvania State Plane Coordinate System, South Zone, NAD 1983 and Vertical Datum is based on North American Vertical Datum of 1988, NAVD 88.
- 6.) The permanent subterranean easement contains the volume bounded by the projection of the metes and bounds described hereon (1,887 s.f.), and upper plane elevation of 605' and a lower plane elevation of 569'.
- 7.) The permanent subterranean easement contains the volume bounded by the projection of the metes and bounds described hereon (2,078 s.f.), and upper plane elevation of 607' and a lower plane elevation of 571'.
- 8.) Permanent subterranean easement or easements in the area(s) shown on the plan are hereto for work and operations necessary or convenient for ALCOSAN's planning, implementation, execution, construction, installation, and completion of the Project, across and the through the property.



DETAIL "A"



DETAIL "B"



Surveyed by:	MBE	REVISION	
Drawn by:	BPP	REV No.	DATE
Checked by:	BMT	DESCRIPTION	APPV

I, Brody M. Tunno, a licensed Professional Land Surveyor in the Commonwealth of Pennsylvania, hereby certify, to the best of my knowledge, information and belief, that this plan is correct and has been surveyed and prepared by me or under my direct supervision.

**DRAFT**

Brody M. Tunno, PLS #SU075462 Date

**mbe**  
monahan basin engineers

Campbells Run Business Center  
300 Business Center Drive, Suite 304  
Pittsburgh, PA 15205  
Office: 412-788-2433 Fax: 412-788-2295  
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ALLEGHENY COUNTY SANITARY AUTHORITY  
21ST WARD, CITY OF PITTSBURGH  
COUNTY OF ALLEGHENY, PENNSYLVANIA  
**CITY OF PITTSBURGH**  
BLOCK & LOT 7-M-110-9  
**PERMANENT SUBTERRANEAN  
EASEMENT EXHIBIT**

Contract: S485

CAD File name: 3364-01 - 7-M-110-9 Easement Exhibit.dwg

Date: 08/28/2024

Sheet: 2 OF 2





**Permanent Subterranean Easement**

**Parcel ID: 7-M-110-9**

**Page 1 of 3**

**Permanent Subterranean Easement – ORT Tunnel**

All that piece or parcel of land situate in the 21st Ward of the City of Pittsburgh, Allegheny County, Pennsylvania, having boundaries comprised of two subterranean horizontal planes and four vertical planes so as to be a closed three dimensional shape, being more particularly described as follows:

The two horizontal planes, the first of which is at an elevation of 605 feet, and the second of which is at an elevation of 569 feet, both elevations as established by the North American Vertical Datum of 1988, each of which is bounded as follows:

Beginning at a point at the intersection of the northerly line of the Permanent Subterranean Easement and the easterly Property Line of the City of Pittsburgh, said point being distant 17.35' from a corner on easterly Property Line of the City of Pittsburgh;

Thence from said point of beginning along the easterly Property Line of the City of Pittsburgh South 12°35'48" East a distance of 0.53' to a point;

Thence continuing along the easterly Property Line of the City of Pittsburgh South 46°38'00" East a distance of 68.24' to a point at the intersection of the easterly Property Line of the City of Pittsburgh and the southerly line of the Permanent Subterranean Easement;

Thence through the lands of the City of Pittsburgh along the southerly line of the Permanent Subterranean Easement by curve to the right having a Radius of 1,017.50' an Arc Length of 51.07' and a Chord Bearing of North 77°16'08" West 51.06' to a point at the intersection of the southerly line of the Permanent Subterranean Easement and the westerly Property Line of the City of Pittsburgh;

Thence along the westerly Property Line of the City of Pittsburgh North 46°35'28" West a distance of 76.27' to a point at the intersection of the westerly Property Line of the City of Pittsburgh and the northerly line of the Permanent Subterranean Easement;

Thence through the lands of the City of Pittsburgh along the northerly line of the Permanent Subterranean Easement by a curve to the left having a Radius of 982.50' and Arc Length of 57.85' and a Chord Bearing of South 73°38'01" East 57.84' to a point, at the place of beginning.

Each said horizontal plane containing within its said bounds 1,887 Square Feet, or 0.043 Acre of area more or less.



**Permanent Subterranean Easement**

**Parcel ID: 7-M-110-9**

**Page 2 of 3**

The four vertical planes and lateral surfaces that connect the boundaries of the two horizontal planes described above as to fully enclose the three dimensional shape.

Being a part of the parcel of land that CSX Transportation, Inc. by their deed dated August 23, 1995 and recorded in Deed Book Volume 09533, Page 517 conveyed to the City of Pittsburgh.

**Permanent Subterranean Easement – SMRT Tunnel**

All that piece or parcel of land situate in the 21st Ward of the City of Pittsburgh, Allegheny County, Pennsylvania, having boundaries comprised of two subterranean horizontal plans and four vertical planes so as to be a polyhedron, being more particularly described as follows:

The two horizontal planes, the first of which is at an elevation of 607 feet, and the second of which is at an elevation of 571 feet, both elevations as established by the North American Vertical Datum of 1988, each of which is bounded as follows:

Beginning at a point at the intersection of the westerly line of the Permanent Subterranean Easement and the northerly Property Line of the City of Pittsburgh;

Thence from said point of beginning along northerly Property Line of the City of Pittsburgh South 69°27'50" East a distance of 35.19' to a point at the intersection of the northerly Property Line of the City of Pittsburgh and the easterly line of the Permanent Subterranean Easement;

Thence through the lands of the City of Pittsburgh along the easterly line of the Permanent Subterranean Easement South 14°35'28" West a distance of 62.36' to a point at the intersection of the easterly line of the Permanent Subterranean Easement and the southerly Property Line of the City of Pittsburgh;

Thence along the southerly Property Line of the City of Pittsburgh North 60°04'53" West a distance of 36.29' to a point at the intersection of the southerly Property Line of the City of Pittsburgh and the westerly line of the Permanent Subterranean Easement;

Thence through the lands of the City of Pittsburgh along the westerly line of the Permanent Subterranean Easement North 14°35'28" East a distance of 56.41' to a point, at the place of beginning.



**Permanent Subterranean Easement**

**Parcel ID: 7-M-110-9**

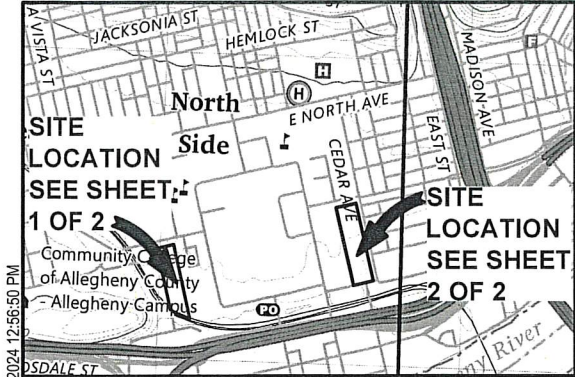
**Page 3 of 3**

Each said horizontal plane containing within its said bounds 2,078 Square Feet, or 0.048 Acre of area more or less.

The four vertical planes are those that connect to the boundaries of the two horizontal planes described above so as to fully enclose the polyhedron.

Being a part of the parcel of land that CSX Transportation, Inc. by their deed dated August 23, 1995 and recorded in Deed Book Volume 09533, Page 517 conveyed to the City of Pittsburgh.





#### VICINITY MAP

SCALE: 1"=2000'

N/F  
ALLEGHENY TOWNE CORP  
BLOCK & LOT  
8-B-100

N/F  
FARMER'S MARKET  
HOUSING PARTNERSHIP  
DBV 1042 PG 591  
BLOCK & LOT  
8-C-25

RIDGE AVENUE 80' RW  
N77°40'49"E 199.66'

S12°34'28"E 701.74'

CITY OF PITTSBURGH

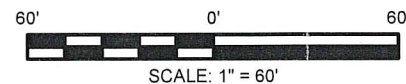
BLOCK & LOT  
8-B-150  
DEED BOOK  
REFERENCE UNKNOWN

N14°45'01"W 336.03'

N12°25'43"W 305.85'

MERCHANT STREET VARIABLE R/W

N12°19'11"W  
27.72'



#### GENERAL NOTES

1.) The plan was prepared based on document research, current record deed plots, right-of-way maps (where applicable) and found right-of-way evidence. This plan is not a Plan of Survey nor has a field survey of the property boundaries been performed.

2.) The property is subject to all prior conveyances, easement, reservations and conditions recited in all prior conveyances.

3.) Horizontal Datum is based on Pennsylvania State Plane Coordinate System, South Zone, NAD 1983 and Vertical Datum is based on North American Vertical Datum of 1988, NAVD 88.

4.) The permanent subterranean easement contains the volume bounded by the projection of the metes and bounds described hereon (751 s.f.), and upper plane elevation of 611' and a lower plane elevation of 575'.

5.) Permanent subterranean easement or easements in the area(s) shown on the plan are hereto for work and operations necessary or convenient for ALCOSAN's planning, implementation, execution, construction, installation, and completion of the Project, across and the through the property.



RADIUS=715.80'  
ARC LENGTH=58.04'  
CHORD BEARING=N72°26'47"W  
CHORD LENGTH=58.03'

PERMANENT  
SUBTERRANEAN EASEMENT (NO. 1)  
751 SQ.FT./0.017 ACRE  
UPPER ELEV. = 611'  
LOWER ELEV. = 575'

RADIUS=715.80'  
ARC LENGTH=237.16'  
CHORD BEARING=N65°16'40"W  
CHORD LENGTH=236.07'

N/F  
CITY OF PITTSBURGH  
DBV 13320 PG 118  
BLOCK & LOT  
8-G-250

S12°34'28"E  
29.02'  
N=414,735.05  
E=1,340,127.95

N77°32'49"E  
50.19'

N=414,724.23  
E=1,340,078.94

ORT-A48-AD TUNNEL  
CORRIDOR  
24' WIDE

ORT-A48-AD TUNNEL C

N=414,706.73  
E=1,340,134.26

41

2+37.28

2

42

ORT TUNNEL C

43

ORT TUNNEL  
CORRIDOR  
35' WIDE

44

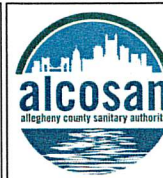
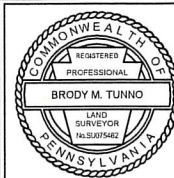
Surveyed by:	REVISION			
	REV No.	DATE	DESCRIPTION	APPV
MBE				
BPP				
BMT				

I, Brody M. Tunno, a licensed Professional Land Surveyor in the Commonwealth of Pennsylvania, hereby certify, to the best of my knowledge, information and belief, that this plan is correct and has been surveyed and prepared by me or under my direct supervision.

*Brody M. Tunno*  
Brody M. Tunno, PLS #SU075462

04/12/2024  
Date

**mbe**  
monaloh basin engineers  
Campbells Run Business Center  
300 Business Center Drive, Suite 304  
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Office: 412-788-2433 Fax: 412-788-2295  
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ALLEGHENY COUNTY SANITARY AUTHORITY  
22ND WARD, CITY OF PITTSBURGH  
COUNTY OF ALLEGHENY, PENNSYLVANIA  
**CITY OF PITTSBURGH**  
BLOCK & LOT 8-B-150  
**PERMANENT SUBTERRANEAN  
EASEMENT EXHIBIT**

Contract: S485  
CAD File name: 3364-01 - 8-B-150 Easement Exhibit.dwg  
Date: 04/12/2024  
Sheet: 1 OF 2

FILE NAME: 13364-01 - ORT Mott MacDonald 06 Right-Of-Way Cadd Files\Production Plans\Property Exhibits\Subsurface Easement Exhibits - 3364-01 - 8-B-150 Easement Exhibit LAST SAVED BY: BPTCHER PLOT DATE: 4/12/2024 12:56:52 PM

GENERAL NOTES

- 1.) The plan was prepared based on document research, current record deed plots, right-of-way maps (where applicable) and found right-of-way evidence. This plan is not a Plan of Survey nor has a field survey of the property boundaries been performed.

2.) The property is subject to all prior conveyances, easement, reservations and conditions recited in all prior conveyances.

3.) Horizontal Datum is based on Pennsylvania State Plane Coordinate System, South Zone, NAD 1983 and Vertical Datum is based on North American Vertical Datum of 1988, NAVD 88.
- 4.) The permanent subterranean easement contains the volume bounded by the projection of the metes and bounds described hereon (444 s.f.), and upper plane elevation of 613' and a lower plane elevation of 577'.

5.) Permanent subterranean easement or easements in the area(s) shown on the plan are hereto for work and operations necessary or convenient for ALCOSAN's planning, implementation, execution, construction, installation, and completion of the Project, across and the through the property.



RIDGE AVENUE 80' R/W

N77°28'46"E 218.86'

S12°33'55"E 851.42'

CITY OF PITTSBURGH

BLOCK & LOT  
8-B-150  
DEED BOOK  
REFERENCE UNKNOWN

CEDAR AVENUE 60' R/W

PERMANENT  
SUBTERRANEAN EASEMENT (NO. 2)  
(ORT TUNNEL)  
444 SQ.FT./0.010 ACRE  
UPPER ELEV. = 613'  
LOWER ELEV. = 577'

S77°30'09"W  
78.21'

POB

N85°45'13"E  
79.04'

N12°33'56"W 851.34'

N=415,078.51  
E=1,341,978.71

N=415,072.66  
E=1,341,899.88

N=415,061.58  
E=1,341,902.35

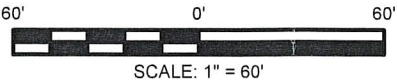
N12°33'56"W  
11.34'

STOCKTON STREET  
50' R/W

N/F  
ALLEGHENY COMMONS  
COMMUNITY PARTNERS LP  
DBV 19252 PG 267  
BLOCK & LOT  
8-D-50

N/F  
CHILDREN'S MUSEUM  
OF PITTSBURGH  
DBV 19552 PG 373  
BLOCK & LOT  
8-D-20-0-2

N/F  
CITY OF PITTSBURGH  
DBV 13320 PG 118  
BLOCK & LOT  
8-D-15



Surveyed by:	REVISION				<div>I, Brody M. Tunno, a licensed Professional Land Surveyor in the Commonwealth of Pennsylvania, hereby certify, to the best of my knowledge, information and belief, that this plan is correct and has been surveyed and prepared by me or under my direct supervision.</div> <div> Brody M. Tunno, PLS #SU075462</div> <div>04/12/2024 Date</div>	<div> Campbells Run Business Center 300 Business Center Drive, Suite 304 Pittsburgh, PA 15205 Office: 412-788-2433 Fax: 412-788-2295 www.mbe-eng.com</div>	<div></div>	<div> ARLETTA SCOTT WILLIAMS EXECUTIVE DIRECTOR, ALCOSAN 3300 PREBLE AVE. PITTSBURGH, PENNSYLVANIA PITTSBURGH, PA 15233 (412) 766-4810 www.alcosan.org</div>	<div>ALLEGHENY COUNTY SANITARY AUTHORITY 22ND WARD, CITY OF PITTSBURGH COUNTY OF ALLEGHENY, PENNSYLVANIA CITY OF PITTSBURGH BLOCK &amp; LOT 8-B-150 PERMANENT SUBTERRANEAN EASEMENT EXHIBIT</div>	Contract: S485
MBE	REV No.	DATE	DESCRIPTION	APPV						CAD File name: 3364-01 - 8-B-150 Easement Exhibit.dwg
Drawn by:										Date: 04/12/2024
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**Permanent Subterranean Easement**

**Parcel ID: 8-B-150**

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**Permanent Subterranean Easement – ORT Tunnel (No. 1)**

All that piece or parcel of land situate in the 22nd Ward of the City of Pittsburgh, Allegheny County, Pennsylvania, having boundaries comprised of two subterranean horizontal planes and three vertical planes so as to be a closed three dimensional shape, being more particularly described as follows:

The two horizontal planes, the first of which is at an elevation of 611 feet, and the second of which is at an elevation of 575 feet, both elevations as established by the North American Vertical Datum of 1988, each of which is bounded as follows:

Beginning at a point at the southeasterly corner of the lands of the City of Pittsburgh;

Thence from said point of beginning along the southerly property line of the City of Pittsburgh by a curve to the right having a Radius of 715.80' an Arc Length of 58.04' and a Chord Bearing of North 72°26'47" West 58.03' to a point at the intersection of the southerly property line of the City of Pittsburgh and the northerly line of the Permanent Subterranean Easement;

Thence through the property of the City of Pittsburgh along the northerly line of the Permanent Subterranean Easement North 77°32'49" East a distance of 50.19' to a point at the intersection of the northerly line of the Permanent Subterranean Easement and the easterly property line of the City of Pittsburgh;

Thence along the easterly property line of the City of Pittsburgh South 12°34'28" East a distance of 29.02' to a point, at the place of beginning.

Each said horizontal plane containing within its said bounds 751 Square Feet, or 0.017 Acre of area more or less.

The three vertical planes and lateral surfaces that connect the boundaries of the two horizontal planes described above as to fully enclose the three dimensional shape.

Being part of Block & Lot number 8-B-150, conveyed to the City of Pittsburgh by an unknown Deed Book Volume.

**Permanent Subterranean Easement – ORT Tunnel (No. 2)**

All that piece or parcel of land situate in the 22nd Ward of the City of Pittsburgh, Allegheny County, Pennsylvania, having boundaries comprised of two subterranean horizontal planes and three vertical planes so as to be a polyhedron, being more particularly described as follows:



**Permanent Subterranean Easement**

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The two horizontal planes, the first of which is at an elevation of 613 feet, and the second of which is at an elevation of 577 feet, both elevations as established by the North American Vertical Datum of 1988, each of which is bounded as follows:

Beginning at a point at the intersection of the northerly line of the Permanent Subterranean Easement and the northerly line of Stockton Street (50' wide), said point being distant 140.65' from the intersection of the westerly line of Cedar Avenue (60' wide) and the northerly line of Stockton Street.

Thence from said point of beginning along the northerly line of Stockton Street South  $77^{\circ}30'09''$  West a distance of 78.21' to a point at the intersection of the northerly line of Stockton Street and the westerly property line of the City of Pittsburgh;

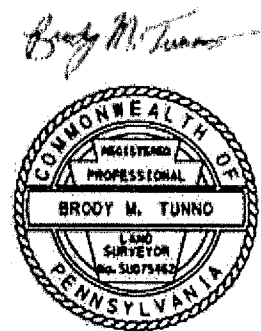
Thence along the westerly property line of the City of Pittsburgh North  $12^{\circ}33'56''$  West a distance of 11.34' to a point at the intersection of the westerly property line of the City of Pittsburgh and the northerly line of the Permanent Subterranean Easement;

Thence through the lands of the City of Pittsburgh along the northerly line of the Permanent Subterranean Easement North  $85^{\circ}45'13''$  East a distance of 79.04' to a point, at the place of beginning.

Each said horizontal plane containing within its said bounds 444 Square Feet, or 0.010 Acre of area more or less.

The three vertical planes are those that connect to the boundaries of the two horizontal planes described above so as to fully enclose the polyhedron.

Being part of Block & Lot number 8-B-150, conveyed to the City of Pittsburgh by an unknown Deed Book Volume.



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**Permanent Subterranean Easement**

**Parcel ID: 8-D-15**

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**Permanent Subterranean Easement – ORT Tunnel**

All that piece or parcel of land situate in the 22nd Ward of the City of Pittsburgh, Allegheny County, Pennsylvania, having boundaries comprised of two subterranean horizontal planes and six vertical planes so as to be a closed three dimensional shape, being more particularly described as follows:

The two horizontal planes, the first of which is at an elevation of 613 feet, and the second of which is at an elevation of 576 feet, both elevations as established by the North American Vertical Datum of 1988, each of which is bounded as follows:

Beginning at a point at the intersection of the easterly line of E Commons (70' wide) and the northerly line of the Permanent Subterranean Easement, said point being distant 109.20' from intersection of the northerly property line of the City of Pittsburgh and the easterly line of E Commons.

Thence from said point of beginning through the lands of the City of Pittsburgh along the northerly line of the Permanent Subterranean Easement North 85°45'13" East a distance of 294.37' to a point at the intersection of the northerly line of the Permanent Subterranean Easement and the easterly property line of the City of Pittsburgh;

Thence along the easterly property line of the City of Pittsburgh South 12°33'56" East a distance of 11.34' to a point at the intersection of the easterly property line of the City of Pittsburgh and the northerly line of Stockton Street (50' wide);

Thence along the northerly line of Stockton Street Sout 77°30'09" West a distance of 165.67' to a point at the intersection of the northerly line of Stockton Street and the southerly line of the Permanent Subterranean Easement;

Thence through the lands of the City of Pittsburgh along the southerly line of the Permanent Subterranean Easement Sout 85°45'13" West a distance of 119.75' to a point at the intersection of the southerly line of the Permanent Subterranean Easement and the easterly line of E Commons;

Thence along the easterly line of E Commons by a curve to the right having a Radius of 40.00' an Arc Length of 24.23' and a Chord Bearing of North 29°55'09" West 23.86' to a point of tangency;

Thence continuing along the easterly line of E Commons North 12°33'55' West a distance of 13.64' to a point, at the place of beginning.

Each said horizontal plane containing within its said bounds 8,264 Square Feet, or 0.190 Acre of area more or less.

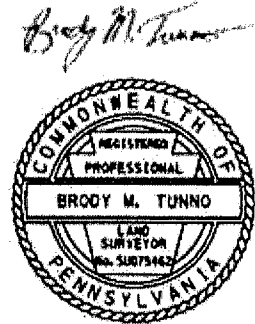
**Permanent Subterranean Easement**

**Parcel ID: 8-D-15**

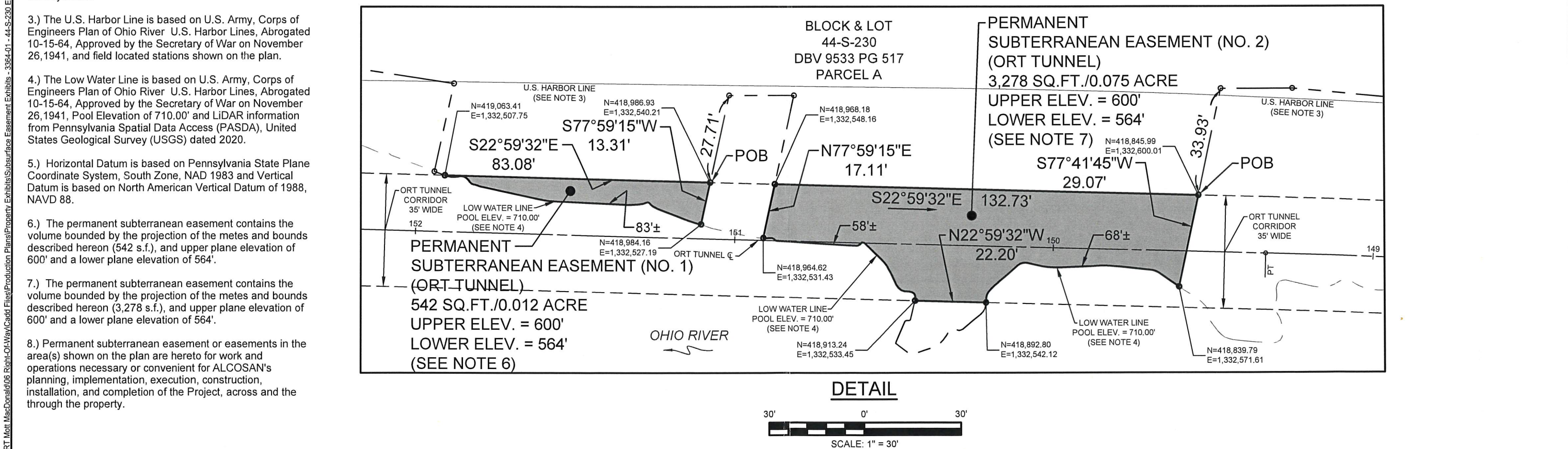
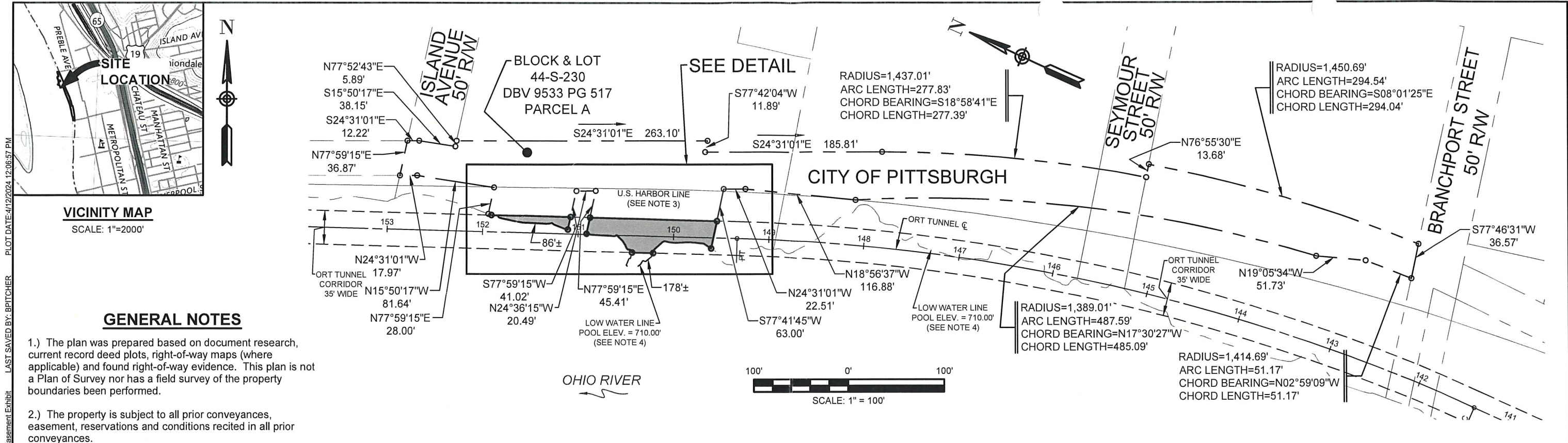
**Page 2 of 2**

The six vertical planes and lateral surfaces that connect the boundaries of the two horizontal planes described above as to fully enclose the three dimensional shape.

Being a part of the parcel of land that Urban Redevelopment Authority of Pittsburgh by their deed dated July 27, 2007 and recorded in Deed Book Volume 13320, Page 118 conveyed to the City of Pittsburgh.







Surveyed by:		REVISION				I, Brody M. Tunno, a licensed Professional Land Surveyor in the Commonwealth of Pennsylvania, hereby certify, to the best of my knowledge, information and belief, that this plan is correct and has been surveyed and prepared by me or under my direct supervision.   Brody M. Tunno, PLS #SU075462  04/12/2024 Date	 monaloh basin engineers  Campbells Run Business Center 300 Business Center Drive, Suite 304 Pittsburgh, PA 15205 Office: 412-788-2433 Fax: 412-788-2295 www.mbe-eng.com			ARLETTA SCOTT WILLIAMS EXECUTIVE DIRECTOR, ALCOSAN  3300 PREBLE AVE. PITTSBURGH, PENNSYLVANIA PITTSBURGH, PA 15233 (412) 766-4810  www.alcosan.org	ALLEGHENY COUNTY SANITARY AUTHORITY 27TH WARD, CITY OF PITTSBURGH COUNTY OF ALLEGHENY, PENNSYLVANIA  CITY OF PITTSBURGH BLOCK & LOT 44-S-230 <b>PERMANENT SUBTERRANEAN EASEMENT EXHIBIT</b>	Contract:	S485
MBE	REV No.	DATE	DESCRIPTION	APPV	CAD File name:							3364-01 - 44-S-230 Easement Exhibit.dwg	
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**Permanent Subterranean Easement**

**Parcel ID: 44-S-230**

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**Permanent Subterranean Easement (No. 1) – ORT Tunnel**

All that piece or parcel of land situate in the 21st Ward of the City of Pittsburgh, Allegheny County, Pennsylvania, having boundaries comprised of two subterranean horizontal planes and three vertical planes so as to be a closed three dimensional shape, being more particularly described as follows:

The two horizontal planes, the first of which is at an elevation of 600 feet, and the second of which is at an elevation of 564 feet, both elevations as established by the North American Vertical Datum of 1988, each of which is bounded as follows:

Beginning at a point at the intersection of the easterly line of the Permanent Subterranean Easement and the westerly Property Line of the City of Pittsburgh, said point being distant 27.71' from a corner on the westerly Property Line of the City of Pittsburgh

Thence from said point of beginning along the lands of the City of Pittsburgh South 77°59'15" West a distance of 13.31' to a point at the Low Water Line of the Ohio River (Pool Elevation = 710.00');

Thence along the Low Water Line of the Ohio River in a northwesterly direction by its various courses a distance of 83'± to a point at the intersection of the Low Water Line of the Ohio River and the easterly line of the Permanent Subterranean Easement;

Thence through the lands of the City of Pittsburgh along the easterly line of the Permanent Subterranean Easement South 22°59'32" East a distance of 83.08' to a point, at the place of beginning.

Each said horizontal plane containing within its said bounds 542 Square Feet. or 0.012 Acre of area more or less.

The three vertical planes and lateral surfaces that connect the boundaries of the two horizontal planes described above as to fully enclose the three dimensional shape.

Being a part of the parcel of land that CSX Transportation, Inc, by their deed dated August 23, 1995 and recorded in Deed Book Volume 09533, Page 517 conveyed to the City of Pittsburgh.



**Permanent Subterranean Easement**

**Parcel ID: 44-S-230**

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**Permanent Subterranean Easement (No. 2) – ORT Tunnel**

All that piece or parcel of land situate in the 21st Ward of the City of Pittsburgh, Allegheny County, Pennsylvania, having boundaries comprised of two subterranean horizontal planes and six vertical planes so as to be a closed three dimensional shape, being more particularly described as follows:

The two horizontal planes, the first of which is at an elevation of 600 feet, and the second of which is at an elevation of 564 feet, both elevations as established by the North American Vertical Datum of 1988, each of which is bounded as follows:

Beginning at a point at the intersection of the easterly line of the Permanent Subterranean Easement and the westerly Property Line of the City of Pittsburgh, said point being distant 33.93' from a corner on the westerly Property Line of the City of Pittsburgh

Thence from said point of beginning along the lands of the City of Pittsburgh South 77°41'45" West a distance of 29.07' to a point at the Low Water Line of the Ohio River (Pool Elevation = 710.00');

Thence along the Low Water Line of the Ohio River in a northwesterly direction by its various courses a distance of 68'± to a point at the intersection of the Low Water Line of the Ohio River and the westerly line of the Permanent Subterranean Easement;

Thence through the lands of the City of Pittsburgh along the westerly line of the Permanent Subterranean Easement North 22°59'32" West a distance of 22.20' to a point at the intersection of the westerly line of the Permanent and the Low Water Line of the Ohio River;

Thence along the Low Water Line of the Ohio River in a northwesterly direction by its various courses a distance of 58'± to a point at the intersection of the Low Water Line of the Ohio River and the westerly Property Line of the City of Pittsburgh;

Thence along the Property Line of the City of Pittsburgh North 77°59'15" East a distance of 17.11' to a point at the intersection of the westerly Property Line of the City of Pittsburgh and the easterly line of the Permanent Subterranean Easement;

Thence through the lands of the City of Pittsburgh by the easterly line of the Permanent Subterranean Easement South 22°59'32" East a distance of 132.73' to a point, at the place of beginning.

Each said horizontal plane containing within its said bounds 3,278 Square Feet, or 0.075 Acre of area more or less.

**Permanent Subterranean Easement**

**Parcel ID: 44-S-230**

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The six vertical planes and lateral surfaces that connect the boundaries of the two horizontal planes described above as to fully enclose the three dimensional shape.

Being a part of the parcel of land that CSX Transportation, Inc, by their deed dated August 23, 1995 and recorded in Deed Book Volume 09533, Page 517 conveyed to the City of Pittsburgh.

