

LEGEND

PROPOSED BUILDING RESTRICTION LINE
PROPOSED CENTERLINE
PROPOSED SIDEWALK
PROPOSED CURB
PROPOSED DEPRESSED CURB
PROPOSED DRIVEWAY
PROPOSED PARKING
PROPOSED BUILDING

EXISTING LEGEND

PROPERTY LINE
EXISTING ADJOINER LINE
EXISTING LEGAL RIGHT-OF-WAY
ZONING DISTRICT BOUNDARY
EXISTING APPX. FLOODWAY
EXISTING APPX. FLOODPLAIN 100Y
EXISTING EDGE OF WATER
EXISTING STREAM
EXISTING EPHEMERAL/INTERMITTENT STREAM
EXISTING PERENNIAL STREAM
EXISTING EDGE OF WETLAND
EXISTING MINOR CONTOUR
EXISTING MAJOR CONTOUR

EXISTING LEGEND

PROPERTY LINE
EXISTING ADJOINER LINE
EXISTING EASEMENT
EXISTING LEGAL RIGHT-OF-WAY
EXISTING PENNDOT RIGHT-OF-WAY
EXISTING COMMUNICATION LINE
EXISTING OVERHEAD ELECTRIC LINE
EXISTING HIGH VOLTAGE OVERHEAD ELECTRIC LINE
UNDERGROUND ELECTRIC LINE
EXISTING FIBER OPTIC LINE
EXISTING TELEPHONE LINE
EXISTING GAS LINE
EXISTING GAS LATERAL LINE
EXISTING SANITARY LINE
EXISTING SANITARY FORCE MAIN
EXISTING SANITARY LATERAL
EXISTING STORM SEWER
EXISTING WATER LINE
EXISTING WATER LATERAL
EXISTING CENTER LINE
EXISTING CURB
EXISTING DRIVEWAY
EXISTING EDGE OF PAVE
EXISTING SIDEWALK
EXISTING CULDEIRAL
EXISTING FENCE
EXISTING APPX. FLOODWAY
EXISTING APPX. FLOODPLAIN 100Y
EXISTING APPX. FLOODPLAIN 500Y
EXISTING GRAVEL
EXISTING ORDINARY HIGH WATER MARK
EXISTING PATH
EXISTING RAILROAD
EXISTING SOILS
EXISTING EDGE OF WATER
EXISTING STREAM
EXISTING EPHEMERAL/INTERMITTENT STREAM
EXISTING PERENNIAL STREAM
EXISTING EDGE OF WETLAND
EXISTING TREE LINE
EXISTING PLANT BED
EXISTING WALL
EXISTING MINOR CONTOUR
EXISTING MAJOR CONTOUR
EXISTING BELL MANHOLE
EXISTING COMMUNICATION BOX
EXISTING TELEPHONE BOX
EXISTING TV BOX
EXISTING ELECTRIC METER
EXISTING ELECTRIC MANHOLE
EXISTING GUY WIRE
EXISTING LIGHT/LAMP
EXISTING GUY WIRE POLE
EXISTING ELECTRIC POLE
EXISTING UTILITY BOX
EXISTING STORM MANHOLE
EXISTING STORM STRUCTURE
EXISTING ROOF DRAIN
EXISTING GAS VALVE
EXISTING GAS SHUT OFF
EXISTING GAS METER
EXISTING WATER VALVE
EXISTING WATER METER
EXISTING WELL
EXISTING WATER SHUT OFF
EXISTING FIRE HYDRANT
EXISTING CLEANOUT
EXISTING SEWER MANHOLE
EXISTING VENT
EXISTING MONUMENT
EXISTING IRON PIN/PIPE
BENCHMARK
EXISTING BOLLARD
EXISTING FLAG POLE
EXISTING MAIL BOX
EXISTING POLE
EXISTING PAPER BOX
EXISTING SIGN
EXISTING TREES
EXISTING SHRUB

SEE DETAIL SHEETS FOR
ADDITIONAL UNDERGROUND
STORMWATER BASIN INFORMATION
AND DETAILS

FLOOD AREAS DETERMINED USING
FEMA FIRM MAP 421813 PANEL 141
AND LEHIGH COUNTY GIS MAPPING

SAN LAT CHART								
NAME	TYPE	TOP	INV. IN	INV. OUT	PIPE DIA.	LENGTH	MATERIAL	SLOPE
C.O.-1	C.O.	RIM=390.61	378.71 ()	384.21	6"	48.76'		3.67%
C.O.-2	C.O.	RIM=392.90	386.00 (STRUCTURE - (11))					
UNDER BLDG.	C.O.	RIM=393.50		386.08	6"	4.08'		2.00%

SOILS LEGEND

(ONLY SOIL WITHIN PROJECT LIMITS)

Soil Types

MeB -MADE LAND, LIMESTONE MATERIAL, 3 TO 8 PERCENT SLOPES

ELECTRIC NOTE:
ELECTRIC SUPPLY LINE TO PROPOSED APARTMENT WILL
BE BURIED UNDERGROUND. LINES SHALL BE 1 FT.
BEHIND THE SIDEWALK. STREET CROSSING SHALL
UTILIZE 4" SCHEDULE PVC PIPE AS A CONDUIT.

GAS/UGI NOTE:
GAS LINES SHALL BE 0.5 FT. BEHIND FRONT EDGE OF
THE SIDEWALK. STREET CROSSING SHALL UTILIZE 8"
SCHEDULE PVC PIPE FOR 4" MAIN AND 4" SCHEDULE
PVC PIPE FOR 2" MAIN AS A CONDUIT.

INLET TOP NOTE:
FOR "C-INLETS", ELEVATIONS REFER TO TOP OF CURB.
FOR "M-INLETS"(NOTED AS RIM), ELEVATIONS REFER
TO THE BOTTOM OF CURB ELEVATION, WHICH IS 7"
FROM THE TOP OF CURB ELEVATION.

- (R) PORTION OF PIPE TO BE
REMOVED, SEE PROFILE FOR
ADDITIONAL NOTES
- (A) EXISTING FIRE HYDRANT TO BE
REMOVED AFTER CONFIRMATION
IT IS NON ACTIVE.
- (RD) APARTMENT BUILDING ROOF
DRAIN SHALL CONNECT TO
UNDERGROUND STORMWATER
BASIN.

GENERAL UTILITY NOTES

1. ALL PROPOSED STORM SEWER PIPE SHALL BE HDPE PIPE WITH O-RING GASKETS WITH SMOOTH INTERIOR WITH WATER TIGHT GASKETS UNLESS NOTED OTHERWISE ON THE PLAN.
2. ABANDONMENT OF EXISTING UTILITIES AND ASSOCIATED STRUCTURES WITHIN STREET RIGHTS-OF-WAY OR EASEMENTS TO BE DEDICATED TO THE TOWNSHIP SHALL BE COMPLETED IN ACCORDANCE WITH METHODS APPROVED BY THE TOWNSHIP. STORM SEWER ON SITE TO REMAIN PRIVATE.
3. THE DEVELOPER SHALL ENSURE THAT CURRENT AS-BUILT RECORDS ARE MAINTAINED DURING CONSTRUCTION.
4. THE MAINTENANCE OF THE STORM WATER FACILITIES, INCLUDING THE UNDERGROUND BASIN, SHALL BE THE OWNER'S RESPONSIBILITY. THE OWNER'S DEED, AND THE DEEDS TO ANY SUBSEQUENT OWNER, SHALL NOTE THAT THE OWNER SHALL ACCEPT THE MAINTENANCE RESPONSIBILITIES OF ANY FACILITIES NOT DEDICATED. THE TOWNSHIP SHALL BE PERMITTED TO INSPECT THE STORM WATER FACILITIES ON AT LEAST AN ANNUAL SCHEDULE TO ENSURE THAT ANY NECESSARY CORRECTIVE WORK IS PERFORMED IN A TIMELY MANNER.
5. FOR STORM SEWER MANHOLES/BOXES, THE ACTUAL RIM ELEVATION SHALL BE FINAL ADJUSTED PRIOR TO PAVING. (220 TO CLEANOUT)
6. GAS AND WATER LATERALS SHALL HAVE A 5 FT. MIN. SEPARATION. WATER AND SANITARY LATERALS SHALL HAVE A 3 FT. MINIMUM SEPARATION. ALL WATERLINE CROSSINGS SHALL HAVE 18" CLEARANCE MIN. WITH OTHER UTILITIES (UNLESS CONCRETE ENCASMENT IS USED) AND SHALL HAVE A 48" MIN. COVER OVER MAINS.
7. ALL SANITARY SEWER INSTALLATION AND TESTING SHALL BE PERFORMED IN CONFORMANCE WITH THE MUNICIPAL RULES AND REGULATIONS, LATEST EDITION.
8. ALL BUILDING SEWERS SHALL BE PROVIDED WITH A TRAP AND VENT.
9. ALL SANITARY LATERALS ARE TO BE 6" DIAMETER, PVC SDR-35 PIPE WITH A MINIMUM SLOPE OF TWO PERCENT (220 TO CLEANOUT).
10. THE NORTHAMPTON BOROUGH MUNICIPAL AUTHORITY SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO ANY WATER CONSTRUCTION.
11. ACTUAL UTILITY CONNECTION POINTS SHALL BE VERIFIED PRIOR TO CONSTRUCTION.
12. TRANSFORMERS/ELECTRIC UTILITIES SCHEMATIC ONLY. FINAL ELECTRIC DESIGN TO BE PROVIDED BY PPL.
13. CONTRACTOR TO PROVIDE KNOCKOUT AT ALL INLETS THAT ACCEPT A ROOF DRAIN CONNECTION AT LOCATIONS SHOWN ON THE DRAWINGS.

SITE STORM CHART									
NAME	TYPE	TOP	INV. IN	INV. OUT	PIPE DIA.	LENGTH	MATERIAL	SLOPE	DOWNSIDE STRUCTURE
INL-117	5' TYPE D	TW=383.96	381.38 (MH-12)						
INL-1D	STD BOX, C TOP	TC=392.03		387.95	15"	16.98'	HDPE	0.74%	INL 1B2
INL-10A	STD BOX, C TOP	TC=390.65	384.23 (NL 10)	384.00	18"	30.62'	HDPE	0.96%	MH-12
INL 1A	STD BOX, M TOP	TC=391.92	386.64 (MH-3D)	386.64	30"	84.76'	HDPE	0.00%	MH-3C
INL 1B1	STD BOX, C TOP	TC=392.40		388.25	15"	36.00'	HDPE	1.00%	MH-3C
INL 1B2	STD BOX, M TOP	TC=391.84	387.83 (NL-1D)	387.58	18"	94.46'	HDPE	1.00%	MH-3C
INL 3	STD BOX, M TOP	TC=391.35	386.64 (T-16)	386.64	30"	58.90'	HDPE	0.00%	T-9
INL 10	STD BOX, M TOP	TC=389.80	386.05 (NL 11)	385.75	15"	74.66'	HDPE	2.03%	INL-10A
INL 11	STD BOX, C TOP	TC=390.63	386.99 (NL 11A)	387.10	15"	104.94'	HDPE	1.00%	INL 10
INL 11A	STD BOX, C TOP	TC=391.02		388.25	15"	63.09'	HDPE	2.00%	INL 11
JB-116	48" DIA MH	RIM=391.60	382.21 (JB-117)	382.13	30"	26.29'	HDPE	0.50%	MH-12
JB-117	48" DIA MH	RIM=392.20	382.94 (JB-118)	382.86	30"	130.22'	HDPE	0.50%	JB-116
JB-118	48" DIA MH	RIM=392.33	383.67 (JB-119)	383.60	30"	131.73'	HDPE	0.50%	JB-117
JB-119	48" DIA MH	RIM=391.57	384.23 (JB-120)	384.15	30"	96.89'	HDPE	0.50%	JB-118
JB-120	TYPE 5 BOX, M TOP	TG=390.37		384.47	30"	48.91'	HDPE	0.50%	JB-119
MH-3A	48" DIA MH	RIM=392.23	386.64 (MH-3B)	386.64	30"	6.02'	HDPE	0.00%	T-9
MH-3B	48" DIA MH	RIM=392.90	386.64 (T-16)	386.64	30"	144.26'	HDPE	0.00%	MH-3A
MH-3C	60" DIA MH	RIM=392.43	386.64 (NL 1B2)	386.64	30"	5.78'	HDPE	0.00%	T-13
MH-3D	48" DIA MH	RIM=392.61	386.64 (T-12)	386.64	30"	60.28'	HDPE	0.00%	INL 1A
MH-3E	48" DIA MH	RIM=392.36	386.64 (MH-3F)	386.64	30"	5.67'	HDPE	0.00%	OCS 1 (TYPE 5)
MH-3F	48" DIA MH	RIM=392.27	386.64 (T-6)	386.64	30"	144.24'	HDPE	0.00%	T-19
MH-12	60" DIA MH	RIM=390.70	383.70 (NL-10A)	381.96	30"	60.94'	CMP(EXIST)	0.95%	MH-3E
OCS 1 (TYPE 5)	TYPE 5 BOX, M TOP	TG=392.86	386.14 (MH-3D)	386.14	24"	132.61'	HDPE	1.08%	EX. EW A
RD-1	48" DIA MH	RIM=393.47		388.76	8"	39.30'	HDPE	2.83%	MH-12
RD-2	48" DIA MH	RIM=393.41		388.25	8"	44.27'	HDPE	1.00%	INL 1A

* 2 MANHOLE COVERS - SEE DETAIL SHEET 2/2

* WATER QUALITY INLET - SUMPED INLET

Δ SUMPED INLET

GRADING NOTE:
CUT SHEETS TO BE SUBMITTED AND APPROVED
PRIOR TO CONSTRUCTION OF ADA RAMPS.

NOTE:
5' x 5' PASSING AREAS TO BE PROVIDED AS PER PROWAG R302.4
AND PADOT PUB 72M. APPROVED LOCATIONS SHALL BE PROVIDED
ALONG THE EXISTING SIDEWALK ALONG PORTLAND STREET.

PRELIMINARY/FINAL PLAN

UTILITY AND GRADING PLAN
3948 PORTLAND STREET

NORTH WHITEHALL TOWNSHIP
LEHIGH COUNTY
PENNSYLVANIA

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REVISIONS		DATE	BY	DATE	BY
NO.	GENERAL REVISIONS	1	10/20/24	10/20/24	5069
2	ECP SUBMISSION	7/12/24			
3	TOWNSHIP REVIEW	10/28/24			
4	TOWNSHIP REVIEW	11/15/24			
5	LOD/TOWNSHIP SUBMISSION	02/24/25			
6	LOD ADMIN REVIEW	05/23/25			
7	LUPC REVIEW	07/23/25			
8	TOWNSHIP REVIEW	11/26/25			

SHEET NO. 05 OF 10