

PRELIMINARY/FINAL LAND DEVELOPMENT PLAN MT. NEBO II APARTMENTS

STATEMENT OF INTENT

THE PURPOSE OF THIS PLAN IS TO OBTAIN APPROVAL TO CONSIDERABLE PARCEL BY PARCEL BY 08.22.22 & PARCEL BY 08.22.22-3 WHICH WILL ALLOW CONSTRUCTION OF AN ADDITIONAL APARTMENT UNIT COMPLEX OF 30 TWO-BEDROOM APARTMENTS WITH AN APPROXIMATE GROSS BUILDING AREA OF 34,000 SQ. FT.

RECORD NOTES

1. THE PROJECT IS LOCATED IN THE MARSHALLS CREEK AND POND CREEK WATERSHEDS, WHICH HAVE A CHAPTER 83 STREAM DESIGNATION OF NO-CUT, NO-FILL, NO-ALTERATION. THE PROJECT WILL NOT AFFECT THE WATER QUALITY.
2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE REQUIREMENTS AND STANDARDS OF THE LOCAL GOVERNING AUTHORITY.
3. NOTIFY THE PA ONE CALL SYSTEM, 1-800-242-1776, AT LEAST 3 DAYS PRIOR TO THE START OF CONSTRUCTION.
4. THE LOCATIONS OF UNDERGROUND FACILITIES SHOWN ON THESE PLANS ARE BASED ON FIELD SURVEYS AND LOCAL UTILITY COMPANY RECORDS. IT SHALL BE THE CONTRACTOR'S FULL RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES TO LOCATE THEIR FACILITIES PRIOR TO STARTING CONSTRUCTION.
5. ALL UNDERGROUNDS SHOWN ON THE PLANS SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION. NOTIFY ENGINEER IF ANY UNDERGROUNDS EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION FOR NECESSARY PLAN CHANGES.
6. METEOROLOGICAL RECORDS WERE OBTAINED ACCORDING TO THE CORPS OF ENGINEERS METEOROLOGICAL MANUAL (JANUARY 1987).
7. THERE ARE NO DESIGNATED FLOOD AREAS WITHIN THE PROPOSED LAND DEVELOPMENT AREA.
8. BY APPROVAL OF THIS PLAN THE TOWNSHIP HAS NOTED THE DISTANCE AND/OR EXTENT OF ANY METEOROLOGICAL RECORDS OR NOT DESIGNATED ON THE PLAN, AND ANY UNDERGROUND FACILITIES FOR ANY REASON WHATSOEVER SHALL BE THE SOLE RESPONSIBILITY OF THE SUBDIVIDER AND/OR DEVELOPER, HIS HEIRS, SUCCESSORS AND ASSIGNS AND SHALL BE SUBJECT TO THE JURISDICTION OF THE ARMY CORPS OF ENGINEERS AND/OR THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AND THE SAID DEPARTMENT SHALL CONFORM TO THE RULES AND REGULATIONS OF THE JURISDICTIONAL AGENCIES.
9. THIS PLAN IS UNDER AND SUBJECT TO ALL OF THE RULES, REGULATIONS, REQUIREMENTS AND RESTRICTIONS AS SET FORTH IN THE MIDDLE SMITHFIELD TOWNSHIP SUBDIVISION AND LAND DEVELOPMENT ORDINANCE AND THE MIDDLE SMITHFIELD TOWNSHIP ZONING ORDINANCE, AS BOTH ARE AMENDED.
10. APPROVAL OF THIS PLAN DOES NOT NEGATE OR ALTER ANY EXISTING EASEMENTS, RIGHT-OF-WAY, RESTRICTIONS, OR OTHER ENCUMBRANCES PLACED UPON THE PROPERTIES, UNLESS SPECIFICALLY NOTED ON THE PLANS, ORDINANCES, OR EASEMENT AGREEMENTS PROVIDED AS PART OF THE APPROVED LAND DEVELOPMENT APPLICATION.
11. THE APPLICANT, HIS HEIRS, SUCCESSORS OR ASSIGNS WILL IMPLEMENT ALL REGULATIONS AND OBTAIN ALL PERMITS AND APPROVALS AS REQUIRED BY ANY AND ALL LOCAL, STATE OR FEDERAL AGENCIES AND AUTHORITIES, AND DOES HEREBY ACKNOWLEDGE AND AGREE THAT IF SAID PERMITS AND APPROVALS ARE NOT OBTAINED AS REQUIRED, THEN ANY AND ALL APPROVALS GIVEN BY MIDDLE SMITHFIELD TOWNSHIP WILL BECOME NULL AND VOID WITH NO FURTHER ACTION ON THE PART OF THE TOWNSHIP.
12. THE OWNERS, THEIR HEIRS, EXECUTORS, ADMINISTRATORS, SUCCESSORS AND ASSIGNS, SHALL MAKE PROVISION AND BE RESPONSIBLE FOR THE INSTALLATION, MAINTENANCE, OPERATION AND REPAIR OF ANY AND ALL STORMWATER MANAGEMENT FACILITIES AND CONTROLS DEFICIT ON THIS PLAN AND OTHER PLANS AND DOCUMENTS SUPPORTING THE SAME, INCLUDING BUT NOT LIMITED TO, ALL INFILTRATION DEVICES, BUTTERS, DETENTION BASINS, PITS, SHAFTS, PIPES, BODIES AND SPREADERS. MIDDLE SMITHFIELD TOWNSHIP IS HEREBY GRANTED THE RIGHT TO INSPECT ALL STORMWATER MANAGEMENT FACILITIES AND CONTROLS AT ANY REASONABLE TIME. IF MIDDLE SMITHFIELD TOWNSHIP DETERMINES AT ANY TIME THAT ANY OF SAID STORMWATER MANAGEMENT FACILITIES OR CONTROLS HAVE BEEN DAMAGED, ALTERED OR IMPROPERLY MAINTAINED, THEN THE APPLICANT SHALL BE ADVISED OF THE CORRECTIVE MEASURE REQUIRED AND BE ALLOWED A REASONABLE PERIOD OF TIME TO TAKE THE NECESSARY CORRECTIVE ACTION. MIDDLE SMITHFIELD TOWNSHIP SHALL HAVE THE RIGHT, BUT NOT THE OBLIGATION, OF ACCESS, EGRESS AND REGRESS TO ANY AND ALL OF THE STORMWATER MANAGEMENT FACILITIES AND CONTROLS AT ANY TIME FOR THE PURPOSE OF INSPECTION AND VERIFICATION OF THE CORRECTIVE MEASURE REQUIRED. ALL COSTS AND EXPENSES INCURRED BY MIDDLE SMITHFIELD TOWNSHIP IN RELATION TO ANY WORK PERFORMED BY MIDDLE SMITHFIELD TOWNSHIP PURSUANT TO THE PROVISIONS OF THIS COVENANT AND/OR THE COVENANT OF THE SAME, SHALL BE THE JOINT AND SEVERAL RESPONSIBILITY OF THE OWNER AND ANY CO-OWNER OF THE PROPERTY WHO VIOLATED THE PROVISIONS OF THIS COVENANT, PAYABLE BY THE OWNER AND/OR CO-OWNERS OF THE PROPERTY, THEIR HEIRS, ADMINISTRATORS, EXECUTORS, SUCCESSORS AND ASSIGNS UPON DEMAND BY MIDDLE SMITHFIELD TOWNSHIP, AND SHALL CONSTITUTE A LIEN AGAINST THE PROPERTY UNIT, PAID IN FULL. THE RECORDS OF MIDDLE SMITHFIELD TOWNSHIP PURSUANT TO THIS COVENANT ARE IN ADDITION TO ALL OTHER RIGHTS AND REMEDIES AVAILABLE TO MIDDLE SMITHFIELD TOWNSHIP, ITS SUCCESSORS AND ASSIGNS, PURSUANT TO ANY STATUTE, ORDINANCE, AT LAW OR IN EQUITY. ALL OF THE FOREGOING IS MORE PARTICULARLY AND AT LARGE PROVIDED IN THAT CERTAIN STORMWATER MANAGEMENT AGREEMENT AND DECLARATION OF EASEMENT BETWEEN THE OWNER AND THE TOWNSHIP DATED JANUARY 27, 2020, THE TERMS AND PROVISIONS OF WHICH ARE INCORPORATED HEREIN BY REFERENCE. THIS COVENANT SHALL RUN WITH THE LAND.
13. PER TOP TOPOGRAPHY MANUAL, 11TH EDITION FOR MULTI-FAMILY HOUSING, LOW RISE USE (2 TO 3 LEVELS), THIS DEVELOPMENT WILL GENERATE APPROXIMATELY 18 PEAK HOUR TRIP DROPS AND 200 AVERAGE DAILY TWO-WAY TRIP DROPS. THESE TRIP DROPS FALL BELOW 50 PEAK HOUR TRIP DROPS AND 800 AVERAGE DAILY TWO-WAY TRIP DROPS, SO A TRAFFIC IMPACT STUDY IS NOT REQUIRED.
14. A CONDITIONAL USE APPROVAL WAS GRANTED BY MIDDLE SMITHFIELD TOWNSHIP BOARD OF SUPERVISORS ON SEPTEMBER 18, 2023.
15. BUILDINGS SHALL NOT BE OCCUPIED UNTIL THE COVENANT AND PAVING AREAS HAVE BEEN PAID WITH PERMITS AND APPROVALS.
16. REFER TO PLAT BOOK 83 PAGE 73 THROUGH PAGE 78 FOR RECORDED LAND DEVELOPMENT PLANS FOR MT. NEBO APARTMENTS.

CONSERVATION EASEMENT

1. THE AREA SHOWN ON SHEET 1 OF THIS PLAN SET AS "WOODED STEEP SLOPE CONSERVATION AREA", DESCRIBED BY BEARINGS AND DISTANCES, AND WITHIN AN AREA OF 1.5 ACRES, IS SUBJECT TO A CONSERVATION EASEMENT ENFORCEABLE BY THE MIDDLE SMITHFIELD TOWNSHIP, OR ITS DULY AUTHORIZED AGENT. THE CONSERVATION AREA SHALL BE PERMANENTLY PRESERVED AS A WOODED AREA, AND NOT BE USED FOR ANY PURPOSE EXCEPT OPEN SPACE AND PASSIVE RECREATION. THE CONSERVATION AREA SHALL NOT BE FURTHER SUBDIVIDED OR DEVELOPED FOR RESIDENTIAL, EXCEPT APPROVED BUILDINGS FOR NON-COMMERCIAL RECREATION OR TO SUPPORT MAINTENANCE OF THE LAND.
2. RESIDENTS OF THE PROPERTY SHALL HAVE ACCESS TO THE CONSERVATION AREA FOR PASSIVE RECREATION USE. THE LANDOWNER, ITS SUCCESSORS AND ASSIGNS (COLLECTIVELY "LANDOWNER"), SHALL ESTABLISH AND MAINTAIN A WALKING TRAIL TO THE CONSERVATION AREA AND ADJACENT AREAS, AS SHOWN IN SHEET PAGE 12 OF 21 (POST CONSTRUCTION STORMWATER MANAGEMENT PLAN) OF THIS PLAN SET. OWNERSHIP AND MAINTENANCE OF THIS TRAIL SHALL REMAIN WITH THE OWNER OF THE SUBJECT PARCEL. NO TRAILS OR ANY OTHER IMPROVEMENTS ARE REQUIRED TO BE CONSTRUCTED WITHIN THE CONSERVATION AREA AS PART OF THIS PROJECT.
3. THE TOWNSHIP, ITS AGENTS AND OFFICERS ARE AUTHORIZED TO ENTER UPON THE PROPERTY AND INSPECT THE CONSERVATION AREA WHENEVER THE TOWNSHIP DEEMS NECESSARY. IN THE EVENT THE LANDOWNER FAILS TO MAINTAIN THE CONSERVATION AREA IN THE MANNER REQUIRED, THE TOWNSHIP MAY, BUT IS NOT OBLIGATED TO, ENTER UPON THE PROPERTY AND TAKE SUCH NECESSARY AND PRUDENT ACTION TO MAINTAIN THE CONSERVATION AREA AND TO CHARGE THE COSTS OF THE MAINTENANCE TO THE LANDOWNER.
4. IN THE EVENT THE TOWNSHIP, PURSUANT TO THE CONSERVATION EASEMENT, PERFORMS WORK OF ANY NATURE, OR EXPENDS ANY FUNDS IN PERFORMANCE OF SAID WORK FOR LABOR, USE OF EQUIPMENT, SUPPLIES, MATERIALS, AND THE USE ON ACCOUNT OF THE LANDOWNER'S FAILURE TO COMPLY WITH THE CONSERVATION AREA, THE LANDOWNER SHALL REIMBURSE THE TOWNSHIP UPON DEMAND, WITHIN 30 DAYS OF RECEIPT OF INVOICE THEREOF, FOR ALL COSTS INCURRED BY THE TOWNSHIP HEREUNDER. IF NOT PAID WITHIN SAID 30-DAY PERIOD, THE TOWNSHIP MAY (1) ENTER A LIEN AGAINST THE PROPERTY IN THE AMOUNT OF SUCH COSTS, (2) SUE THE COSTS FROM ANY EGRESS ACCOUNT OR OTHER FINANCIAL SECURITY HELD BY THE TOWNSHIP IN CONNECTION WITH THE PROPERTY'S DEVELOPMENT, OR (3) PROCEED TO RECOVER ITS COSTS THROUGH PROCEEDINGS IN EQUITY OR AT LAW AGAINST THE LANDOWNER, AS AUTHORIZED BY LAW. ALL SUCH REMEDIES SHALL BE CUMULATIVE.
5. THE LANDOWNER SHALL INDEMNIFY THE TOWNSHIP AND ITS AGENTS AND EMPLOYEES (COLLECTIVELY "THE TOWNSHIP") AGAINST ANY AND ALL DAMAGES, ACCIDENTS, CASUALTIES, OCCURRENCES OR CLAIMS WHICH MIGHT ARISE OR BE ASSERTED AGAINST THE TOWNSHIP FOR THE PRESENCE, EXISTENCE OR MAINTENANCE OF THE CONSERVATION AREA. IN THE EVENT A CLAIM IS ASSERTED AGAINST THE TOWNSHIP, THE LANDOWNER SHALL DEFEND, AT ITS OWN EXPENSE, ANY SUIT BASED ON SUCH CLAIM. IF ANY ADJUDICATED CLAIMS AGAINST THE TOWNSHIP SHALL BE ALLOWED, THE LANDOWNER SHALL PAY ALL COSTS AND EXPENSES IN CONNECTION THEREWITH.
6. THE CONSERVATION EASEMENT AND REQUIREMENTS CONTAINED HEREIN SHALL CONSTITUTE A COVENANT RUNNING WITH THE PROPERTY AND/OR EQUITABLE SERVICE, AND SHALL BE BINDING ON THE LANDOWNER, ITS ADMINISTRATORS, EXECUTORS, ASSIGNS, HEIRS AND ANY OTHER SUCCESSORS IN INTEREST, IN PERPETUITY.

A REQUEST IS HEREBY MADE FOR A MODIFICATION OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS AND/OR THE PUBLIC ROAD REGULATIONS

NAME OF PROJECT: MT. NEBO APARTMENTS
APPLICANT(S): MT. NEBO APARTMENTS, LLC PHONE NO: 570-424-0549
ADDRESS: 432 ORANGE RD, MT. POCONO, PA 18344-7128

SECTION/SUBSECTION INVOLVED: 170-79-8
REASON FOR MODIFICATION: RESIDENTIAL REQUIREMENT IS MEANT FOR SINGLE FAMILY RESIDENCES AND LARGE PORTION OF THE SITE. POST CONSTRUCTION STORMWATER MANAGEMENT REGULATIONS

SECTION/SUBSECTION INVOLVED: 280-160-13-8
REASON FOR MODIFICATION: RAINFALL DEPTHS FROM THIS PROGRAM ARE MORE SPECIFIC TO THE AREA OF DEVELOPMENT THAN THOSE PROVIDED IN THIS SECTION.

APPLICANT'S DECLARATION OF MODIFICATION REQUEST:

I HEREBY DECLARE THAT THE ABOVE REQUESTED MODIFICATION IS THE MINIMUM REQUIRED TO COMPLETE THE ABOVE PROJECT IN FULL ACCORDANCE WITH ALL REMAINING STANDARDS, REGULATIONS AND REQUIREMENTS OF MIDDLE SMITHFIELD TOWNSHIP.

DATE OF APPLICATION: (SIGNATURE) (DATE AND TIME)

MIDDLE SMITHFIELD TOWNSHIP PLANNING COMMISSION (RECOMMENDATIONS/ACTION)

MODIFICATION APPROVED
MODIFICATION APPROVED SUBJECT TO SPECIFIED CONDITIONS
MODIFICATION REJECTED

DATE OF ACTION: (DATE AND TIME)

MIDDLE SMITHFIELD TOWNSHIP BOARD OF SUPERVISORS (ACTION)

MODIFICATION APPROVED
MODIFICATION APPROVED SUBJECT TO SPECIFIED CONDITIONS
MODIFICATION REJECTED

DATE OF ACTION: (DATE AND TIME)

THE DRAWING OF OR REJECTION OF THE ABOVE REQUESTED MODIFICATION IN NO WAY RELIEVES THE APPLICANT OF RESPONSIBILITY OF CONFORMANCE WITH ALL OTHER ORDINANCES, STANDARDS, REGULATIONS AND REQUIREMENTS OF MIDDLE SMITHFIELD TOWNSHIP.

OWNER/DEVELOPER/APPLICANT

MT. NEBO APARTMENTS, LLC
432 ORANGE RD
MT. POCONO, PA 18344-7128
PHONE: 570-424-0549

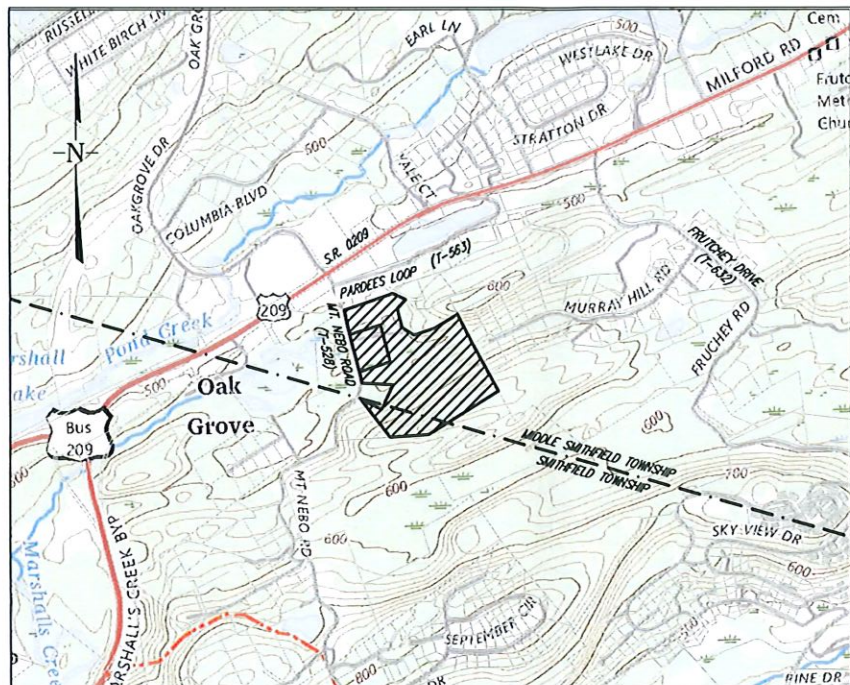
PLAN PREPARER

HanoverEngineering
Pocono Office
3355 Route 611, Suite 1 P: 570.688.9550
Bartonsville, PA 18321-7822 F: 570.688.9768
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"CALL BEFORE YOU DIG"
PENNSYLVANIA LAW REQUIRES 3 WORKING DAYS NOTICE FOR CONSTRUCTION PHASE AND 10 WORKING DAYS IN DESIGN STAGE - STOP CALL
PENNSYLVANIA ONE CALL SYSTEM, INC.
1-800-242-1776
THIS PROJECT'S DESIGNER INQUIRY NO.

SITE DATA:

PARCEL ID#: 09.9.2.22
G.S. PIN#: 09732300811784
DEED REFERENCE: DEED 2516, PG 687
TOTAL TRACT AREA: 38.32 ACRE (DEED)
37.93 ACRE (ACTUAL)
35,320 SQ. FT.
APARTMENT COMPLEX
N/A
EXISTING SEWER: PUBLIC SEWER
EXISTING WATER: PUBLIC WATER
PROPOSED SEWER: N/A
PROPOSED WATER: N/A
C-1 COMMERCIAL
ONE
ZERO
TOTAL SITE AREA: 38.3 ACRES
SITE AREA LESS R.O.W.'S: 37.2 ACRES
LAND RESOURCE PROTECTION AREA: 13.2 ACRES
ADJUSTED TRACT AREA: 24 ACRES
PERMITTED DENSITY: 6 UNITS PER ACRE
MAXIMUM NUMBER OF UNITS PERMITTED: 144
UNITS PROPOSED: 96
LOT REQUIREMENTS
MINIMUM LOT AREA: 0.5 ACRES
MAXIMUM IMPERVIOUS COVERAGE: 60%
MAXIMUM BUILDING HEIGHT: 5 STORIES
MAXIMUM BUILDING AREA: 40%
SETBACKS:
FRONT YARD: 50 FT
REAR YARD: 50 FT
SIDE YARD (EACH SIDE): 30 FT
MINIMUM LOT WIDTH: 150 FT
PARKING REQUIREMENTS:
REQUIRED MINIMUM: 146 (PRIOR), 17 (NEW) SPACES/UNIT
TOTAL SPACES PROVIDED: 160 SPACES
MINIMUM SIZE: 9' X 18'
HANDICAP PARKING REQUIRED: 8 SPACES
TOTAL HANDICAP PARKING PROVIDED: 8 SPACES



USGS LOCATION MAP

SCALE 1" = 1,000'
QUADRAKLE: R19/M11, 2023

LAND DEVELOPMENT PLANS

- *CS-1 COVER SHEET
- *RP-1 TO RP-2 RECORD PLAN
- *EP-1 EASEMENT PLAN
- EF-1 EXISTING FEATURES AND DEMOLITION PLAN
- GP-1 TO GP-2 GRADING & UTILITY PLAN
- SMP-1 TO SMP-2 STORMWATER PLAN AND PROFILE SHEET
- UP-1 TO UP-2 UTILITY PLAN AND PROFILE SHEET
- LL-1 LANDSCAPE PLAN & DETAILS
- LL-2 LIGHTING PLAN & DETAILS
- DET-1 TO DET-3 STANDARD CONSTRUCTION DETAIL SHEET
- *PCSM-1 TO PCSM-3 POST CONSTRUCTION STORMWATER MANAGEMENT PLAN
- ESPC-1 TO ESPC-3 EROSION AND SEDIMENT POLLUTION CONTROL PLAN
- TTT-1 TRUCK TURNING TEMPLATE

ALSO PLANS

- *LLA-1 LOT LINE ADJUSTMENT PLAN
- *PLAN TO BE RECORDED

CERTIFICATION OF OWNERSHIP AND ACKNOWLEDGEMENT OF PLAN:

COMMONWEALTH OF PENNSYLVANIA
COUNTY OF MONROE

ON THIS, THE _____ DAY OF _____, 2025 BEFORE ME, THE UNDERSIGNED OFFICER, PERSONALLY APPEARED MT. NEBO APARTMENTS, LLC, WHO BEING DULY SWORN, ACCORDING TO THE LAW, DOETH DEPOSE AND SAY THAT HE IS THE OWNER OF PROPERTY SHOWN AND DEPICTED ON THIS PLAN, THAT THE PRELIMINARY/FINAL LAND DEVELOPMENT PLAN THEREOF WAS MADE AT HIS DIRECTION THAT HE ACKNOWLEDGES THE SAME TO BE BY HIS OWN ACT AND PLAN AND DESIRES THE SAME TO BE RECORDED ACCORDING TO LAW.

WITNESS MY HAND AND SEAL THE DAY AND DATE ABOVE WRITTEN.

MT. NEBO APARTMENTS, LLC
ANTHONY MAJALA, MANAGING MEMBER

SWORN AND SUBSCRIBED BEFORE THIS _____ DAY OF _____, 2025.

REQUIRED PERMIT CERTIFICATION

COMMONWEALTH OF PENNSYLVANIA
COUNTY OF MONROE

ON THIS, THE _____ DAY OF _____, 2025, BEFORE ME, THE UNDERSIGNED OFFICER, PERSONALLY APPEARED MT. NEBO APARTMENTS, LLC WHO BEING DULY SWORN, ACCORDING TO LAW, DOETH DEPOSE AND SAY THAT HE IS THE OWNER OF THE PROPERTY SHOWN AND DEPICTED ON THIS PLAN, HEREBY CERTIFY THAT HE AND HIS HEIRS OR ASSIGNS WILL IMPLEMENT ALL REQUIREMENTS AND OBTAIN ALL PERMITS AS REQUIRED BY ANY AND ALL LOCAL, STATE OR FEDERAL AGENCIES AND DO SO AND AGREE AND REALIZE THAT IF THE SAID PERMITS ARE NOT OBTAINED AS REQUIRED ANY AND ALL APPROVALS GIVEN BY MIDDLE SMITHFIELD TOWNSHIP WILL BECOME NULLIFIED AND BE VOIDED WITH NO FURTHER ACTION ON THE PART OF THE TOWNSHIP.

WITNESS MY HAND AND SEAL THE DAY AND DATE ABOVE WRITTEN.

MT. NEBO APARTMENTS, LLC
ANTHONY MAJALA, MANAGING MEMBER

SWORN AND SUBSCRIBED BEFORE THIS _____ DAY OF _____, 2025.

MIDDLE SMITHFIELD TOWNSHIP PLANNING COMMISSION CERTIFICATE OF REVIEW:

AT A PUBLIC MEETING HELD ON _____, 2025 THE PLANNING COMMISSION OF MIDDLE SMITHFIELD TOWNSHIP REVIEWED AND BY A MOTION, ONLY CARRIED, DOES HEREBY RECOMMEND APPROVAL OF THE SAID PRELIMINARY/FINAL LAND DEVELOPMENT PLAN FOR THE PROPERTY OF MT. NEBO APARTMENTS, LLC AS SHOWN HEREON.

CHAIRMAN

SECRETARY

MIDDLE SMITHFIELD TOWNSHIP BOARD OF SUPERVISORS CERTIFICATE OF REVIEW AND APPROVAL:

AT A PUBLIC MEETING HELD ON _____, 2025 THE BOARD OF SUPERVISORS OF MIDDLE SMITHFIELD TOWNSHIP REVIEWED AND BY A MOTION, ONLY CARRIED, DOES HEREBY APPROVE, ENDORSE AND SEAL THE SAID MINOR SUBDIVISION PLAN FOR THE PROPERTY OF MT. NEBO APARTMENTS, LLC AS SHOWN HEREON.

CHAIRMAN

SUPERVISOR

SUPERVISOR

AFFIDAVIT OF PLAN SUBMISSION

THIS PRELIMINARY/FINAL LAND DEVELOPMENT PLAN WAS SUBMITTED TO THE MONROE COUNTY PLANNING COMMISSION FOR REVIEW ON APRIL 18, 2025.

SALVATORE J. CAIAZZO, P.E.

CERTIFICATE OF ACCURACY AND COMPLIANCE:

I HEREBY CERTIFY THAT THE PLAN SHOWN AND DESCRIBED HEREON, AS WELL AS ALL RELATED DRAWINGS AND DOCUMENTS SUBMITTED HEREWITH ARE TRUE AND CORRECT TO THE ACCURACY REQUIRED BY AND ARE IN COMPLETE COMPLIANCE WITH THE MIDDLE SMITHFIELD TOWNSHIP SUBDIVISION AND LAND DEVELOPMENT REGULATIONS AND/OR THE MIDDLE SMITHFIELD TOWNSHIP ZONING ORDINANCE AND WERE PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND FOR WHICH I ACCEPT FULL AND COMPLETE RESPONSIBILITY.

SALVATORE J. CAIAZZO, P.E.
REGISTRATION NO. 075270
HANOVER ENGINEERING ASSOCIATES, INC.
3355 ROUTE 611, SUITE 1
BARTONSVILLE, PA 18321-7822
P: 570-688-9550

DATE



CERTIFICATE OF ACCURACY AND COMPLIANCE:

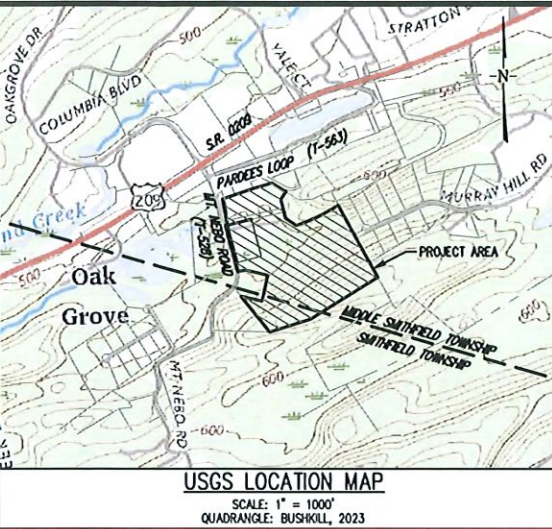
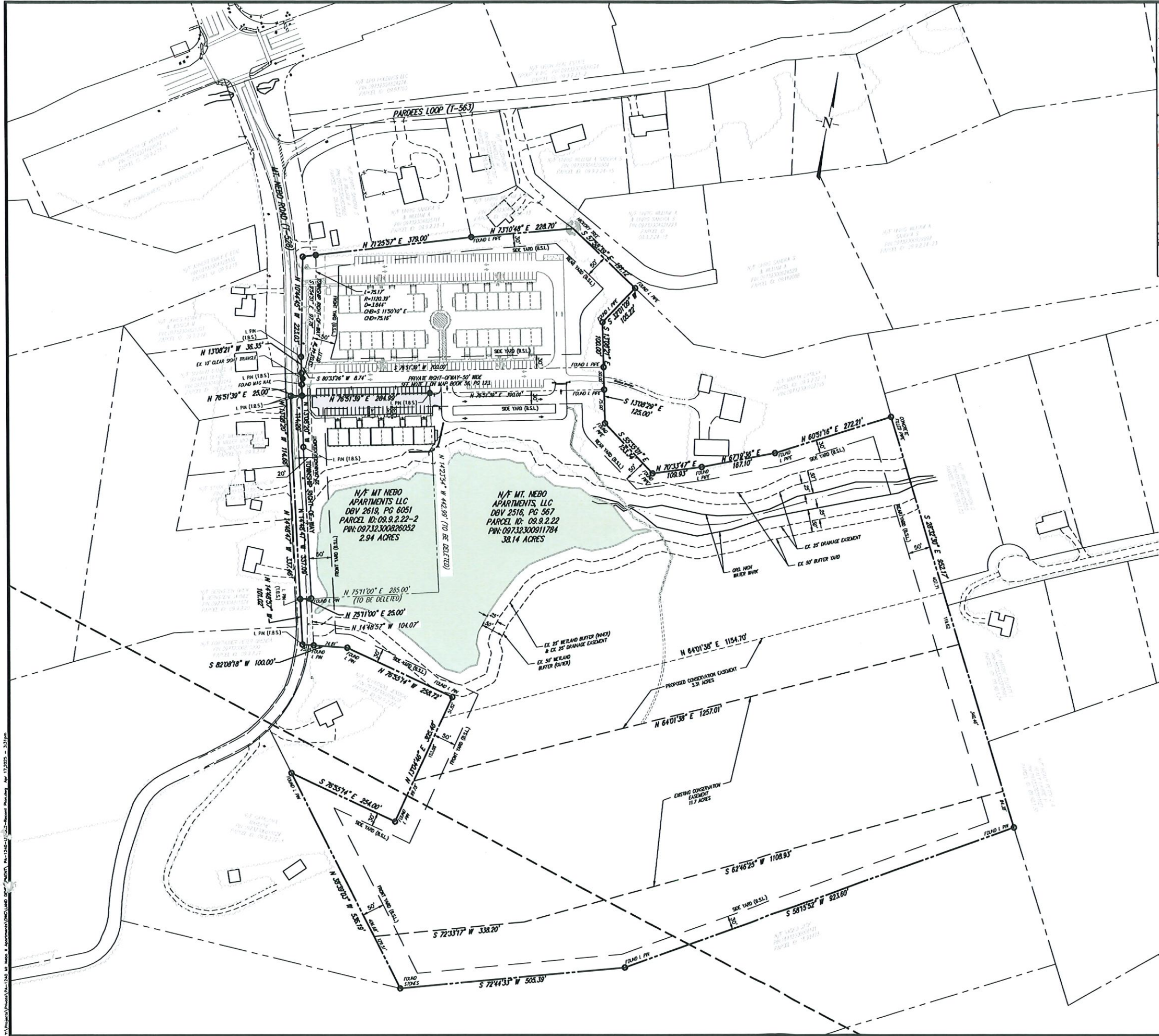
I HEREBY CERTIFY THAT THE PLAN SHOWN AND DESCRIBED HEREON, AS WELL AS ALL RELATED DRAWINGS AND DOCUMENTS SUBMITTED HEREWITH ARE TRUE AND CORRECT TO THE ACCURACY REQUIRED BY AND ARE IN COMPLETE COMPLIANCE WITH THE MIDDLE SMITHFIELD TOWNSHIP SUBDIVISION AND LAND DEVELOPMENT REGULATIONS AND/OR THE MIDDLE SMITHFIELD TOWNSHIP ZONING ORDINANCE AND WERE PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND FOR WHICH I ACCEPT FULL AND COMPLETE RESPONSIBILITY.

HENRY T. HAHN, P.L.S. (SU 53428)
HANOVER ENGINEERING ASSOCIATES, INC.
252 BROADHEAD ROAD, SUITE 100
BETHLEHEM, PA 18017-0814
P: 610-691-5644

DATE

PRELIMINARY/FINAL LAND DEVELOPMENT PLAN
(RECORD SHEET 1 OF 3)

DATE	SCALE	AS NOTED	DATE	PROJECT NO.	SHEET NO.
04/18/2025	1"=100'			PA-1240	CS-1
REVISIONS					
NO.					
PLAN TITLE	PROJECT TITLE	COVER SHEET	PLAN TITLE	PROJECT TITLE	COVER SHEET
MIDDLE SMITHFIELD TOWNSHIP & SMITHFIELD TOWNSHIP MONROE COUNTY PENNSYLVANIA	MT. NEBO II APARTMENTS				
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Pocono Office 3355 Route 611, Suite 1 Bartonsville, PA 18321-7822 P: 570.688.9550 F: 570.688.9768 HanoverEng.com					



OWNER/DEVELOPER/APPLICANT

MT. NEBO APARTMENTS, LLC
432 GRANGE RD
MT. NEBO, PA 18321-7822
PHONE: 570-688-9550

PLAN PREPARER
HanoverEngineering

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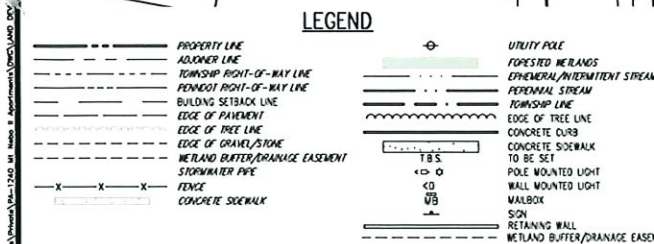
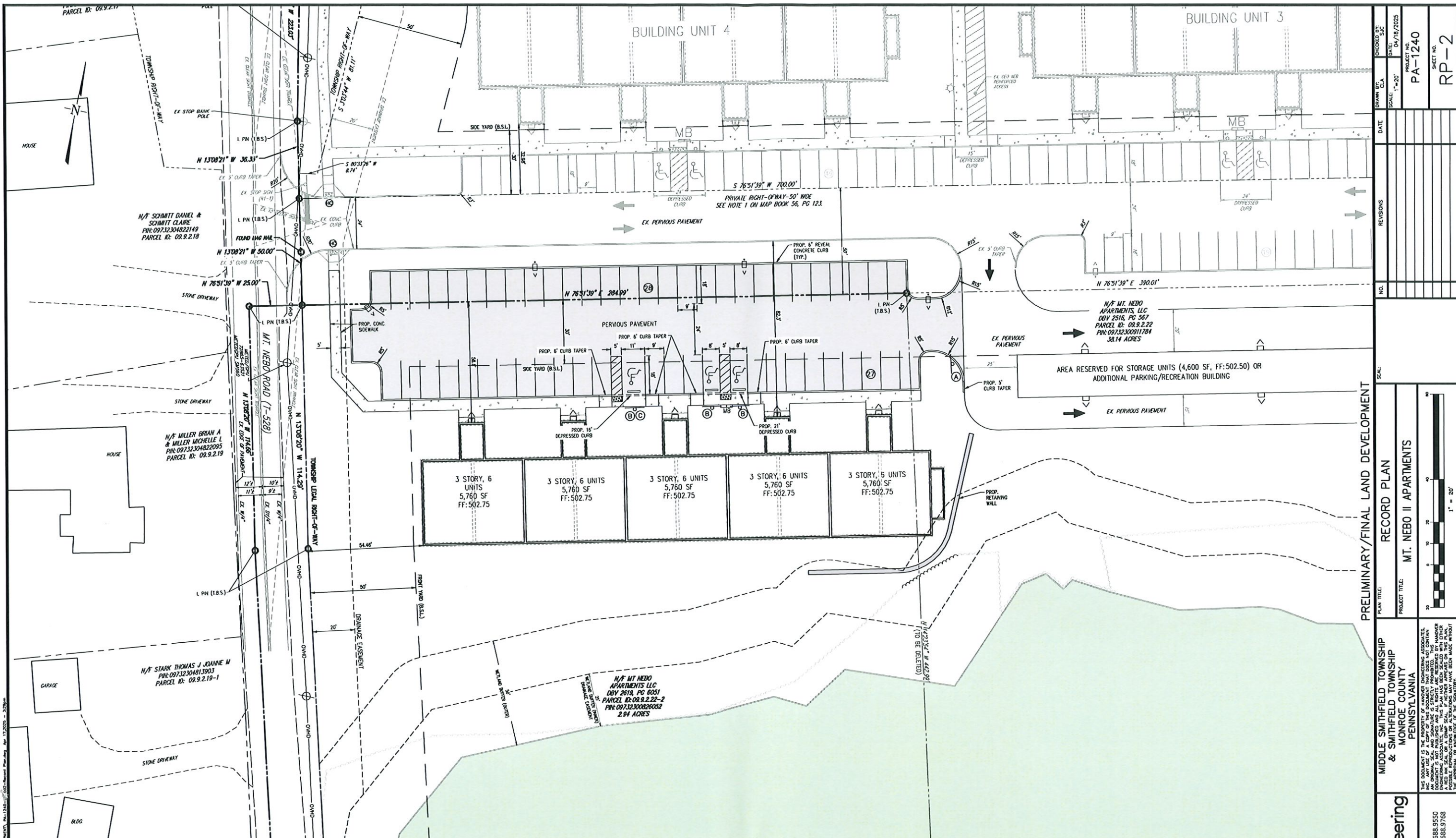
RESTRICTION COVENANTS:

1. A 20 FOOT WIDE SLOPE EASEMENT IS GRANTED TO MIDDLE SMITHFIELD TOWNSHIP ALONG THE RIGHT OF WAY OF TOWNSHIP ROAD 528 (MT. NEBO ROAD).
2. A 10 FOOT WIDE UTILITY EASEMENT SHALL EXIST ALONG TOWNSHIP ROAD 528 (MT. NEBO ROAD).
3. A 20 FOOT WIDE DRAINAGE EASEMENT SHALL EXIST ALONG TOWNSHIP ROAD 528 (MT. NEBO ROAD).
4. A 25 FOOT WIDE UTILITY EASEMENT CENTERED ON THE CONSTRUCTED PIPE IS GRANTED TO PA AMERICAN WATER COMPANY FOR MAINTENANCE ACCESS TO THE WATERLINE.
5. A 25 FOOT WIDE UTILITY EASEMENT CENTERED ON THE CONSTRUCTED PIPE IS GRANTED TO MIDDLE SMITHFIELD TOWNSHIP FOR MAINTENANCE ACCESS TO THE SEWER LINE.

"CALL BEFORE YOU DIG"
PENNSYLVANIA LAW REQUIRES 3 WORKING DAYS NOTICE FOR CONSTRUCTION PHASE AND 10 WORKING DAYS IN DESIGN STAGE - STOP CALL
PENNSYLVANIA ONE CALL SYSTEM, INC.
1-800-242-1776
THIS PROJECT'S DESIGNER INQUIRY NO.

LEGEND	
	PROPERTY LINE
	ADJOINING LINE
	TOWNSHIP RIGHT-OF-WAY LINE
	BUILDING SETBACK LINE
	EDGE OF PAVEMENT
	EDGE OF TREE LINE
	EDGE OF GRAVEL/STONE
	WETLAND BUFFER/DRAINAGE EASEMENT
	FENCE
	CONCRETE SIDEWALK
	FORESTED WETLANDS
	EPHEMERAL/INTERMITTENT STREAM
	PERENNIAL STREAM
	TOWNSHIP LINE
	UTILITY POLE
	EDGE OF TREE LINE
	CONCRETE CURB
	CONCRETE SIDEWALK TO BE SET
	POLE MOUNTED LIGHT
	WALL MOUNTED LIGHT
	MAILBOX
	SIGN
	RETAINING WALL
	WETLAND BUFFER/DRAINAGE EASEMENT

 HanoverEngineering	Pocono Office 3355 Route 611, Suite 1 Bartonsville, PA 18321-7822 P:570.688.9550 F:570.688.9768 HanoverEng.com	MIDDLE SMITHFIELD TOWNSHIP & SMITHFIELD TOWNSHIP MONROE COUNTY PENNSYLVANIA	PLAN TITLE: RECORD PLAN PROJECT TITLE: MT. NEBO II APARTMENTS	SCALE									
		NO.	REVISIONS		DATE	DRAWN BY: CLC	CHECKED BY: SJC						
						SCALE: 1"=100'	DATE: 04/18/2025						
						PROJECT NO:		PA-1240					
						SHEET NO:		RP-1					



SIGN SCHEDULE				
SYMBOL	QUANTITY	DESCRIPTION	AREA	HEIGHT
(A)	1	PONDOT RS-1 "STOP"	30'x30'	8'
(B)	3	PONDOT RS-8 "RESERVED PARKING"	12'x18'	8.5'
(C)	1	PONDOT RS-5A "VAN ACCESSIBLE"	12'x18'	8.5'
SIGNAGE NOTE: ALL SITE AND BUILDING SIGNAGE WILL BE INSTALLED IN CONFORMITY WITH ARTICLE 1302 OF THE CITY OF BETHLEHEM ZONING ORDINANCE. DETAILED DRAWINGS WITH DESIGNED DIMENSIONS OF THE PROPOSED SIGNS WILL BE PROVIDED TO THE CITY FOR APPROVAL PRIOR TO OBTAINING ANY REQUIRED PERMITS FOR THEIR CONSTRUCTION.				

ADA RAMP NOTES:

- ALL ADA CURB RAMP SHALL CONFORM TO PONDOT PUBLICATION 704 RC-474 OF JUNE 1, 2019 OR THE LATEST REVISION.
- ALL PROPOSED PEDESTRIAN CURB RAMP TO HAVE "TRIP" INDICATED DOME DETECTABLE WARNING AREAS THAT COMPLY WITH THE CURRENT PONDOT DESIGN MANUAL AND ADA REQUIREMENTS.
- A 20 FOOT WIDE SIDE SLOPE EASEMENT IS GRANTED TO WHEEL SURFED TOWNSHIP ALONG THE RIGHT OF WAY OF TOWNSHIP ROAD 328 (MT. NEBO ROAD).
- A 10 FOOT WIDE UTILITY EASEMENT SHALL EXIST ALONG TOWNSHIP ROAD 328 (MT. NEBO ROAD).
- A 20 FOOT WIDE DRAINAGE EASEMENT SHALL EXIST ALONG TOWNSHIP ROAD 328 (MT. NEBO ROAD).
- A 25 FOOT WIDE UTILITY EASEMENT CENTERED ON THE CONSTRUCTED PIPE IS GRANTED TO PA. AMERICAN WATER COMPANY FOR MAINTENANCE ACCESS TO THE WATERLINE.
- A 25 FOOT WIDE UTILITY EASEMENT CENTERED ON THE CONSTRUCTED PIPE IS GRANTED TO WHEEL SURFED TOWNSHIP FOR MAINTENANCE ACCESS TO THE SEWER LINE.

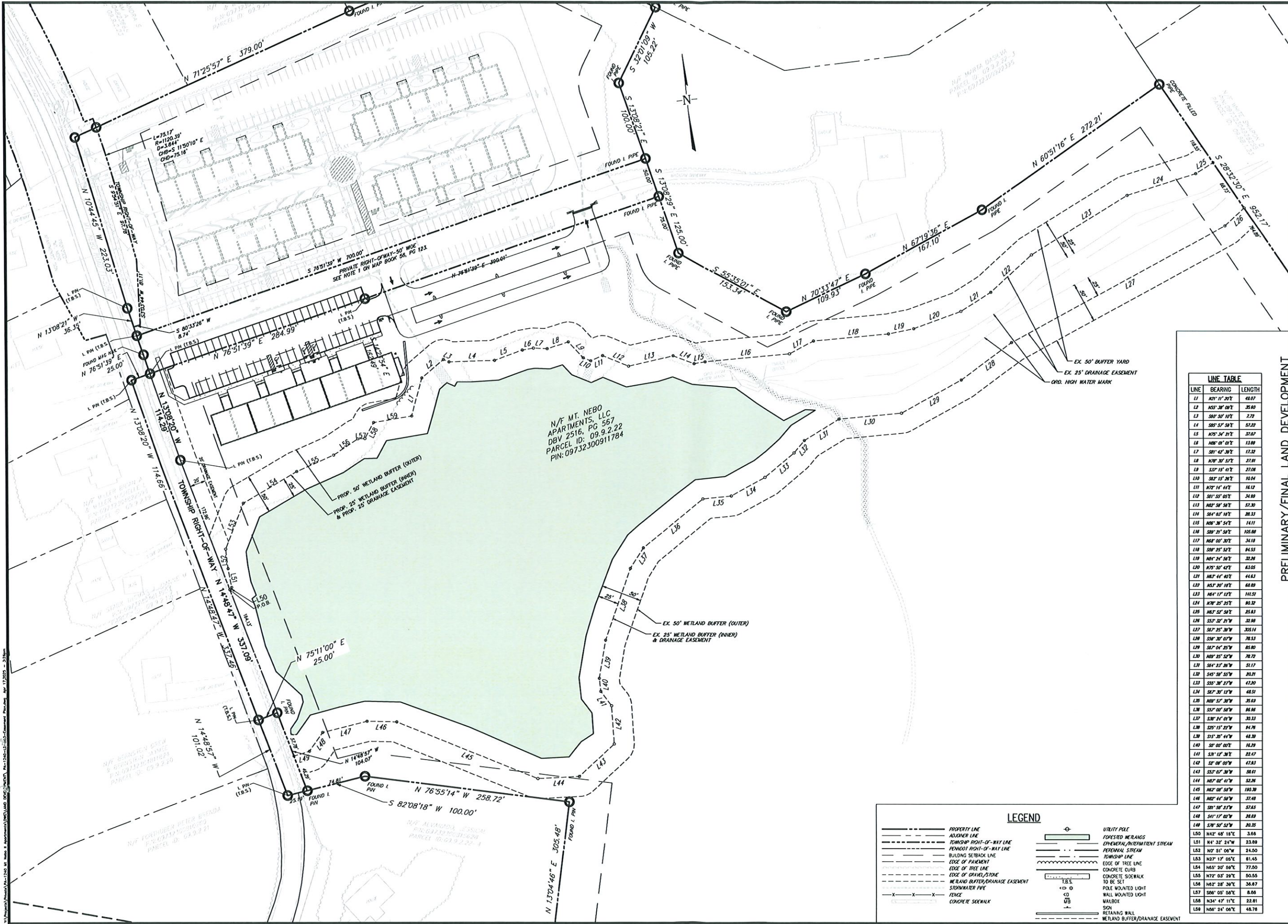
OWNER/DEVELOPER/APPLICANT
MT. NEBO APARTMENTS, LLC
432 GRAVINE RD.
MT. POCONO, PA 18344-7128
PHONE: 570-424-0504

PLAN PREPARER
HanoverEngineering
Pocono Office
3355 Route 611, Suite 1
Bartonsville, PA 18321-7822
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HanoverEng.com

"CALL BEFORE YOU DIG"
PENNSYLVANIA LAW REQUIRES 3 WORKING DAYS NOTICE FOR CONSTRUCTION PHASE AND 10 WORKING DAYS IN DESIGN STAGE - STOP CALL
PENNSYLVANIA ONE CALL SYSTEM, INC.
1-800-242-1776
THIS PROJECT'S DESIGNER INQUIRY NO.

PRELIMINARY/FINAL LAND DEVELOPMENT

PLAN TITLE: RECORD PLAN	DATE: 04/18/2025	DATE: 04/18/2025	DATE: 04/18/2025
PROJECT TITLE: MT. NEBO II APARTMENTS	SCALE: 1" = 20'	PROJECT NO. PA-1240	SHEET NO. RP-2
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LINE TABLE		
LINE	BEARING	LENGTH
L1	N 01° 11' 20"E	48.07
L2	N 05° 30' 00"E	35.60
L3	S 00° 50' 00"E	2.79
L4	S 05° 57' 50"E	57.22
L5	N 05° 34' 31"E	37.07
L6	N 06° 04' 00"E	13.00
L7	S 01° 42' 30"E	17.32
L8	N 08° 30' 00"E	27.01
L9	S 07° 15' 00"E	27.00
L10	S 07° 15' 20"E	10.04
L11	N 77° 14' 44"E	16.12
L12	S 01° 55' 00"E	34.80
L13	N 02° 50' 50"E	57.30
L14	S 04° 01' 10"E	28.33
L15	N 05° 30' 50"E	14.11
L16	S 00° 21' 50"E	105.00
L17	N 02° 00' 30"E	34.10
L18	S 00° 25' 50"E	84.55
L19	N 04° 34' 50"E	32.26
L20	N 05° 50' 40"E	43.05
L21	N 01° 44' 40"E	44.63
L22	N 03° 30' 10"E	48.00
L23	N 04° 17' 12"E	111.51
L24	N 07° 25' 25"E	80.32
L25	N 03° 52' 50"E	25.83
L26	S 03° 52' 20"E	32.80
L27	S 07° 25' 30"W	305.14
L28	S 00° 00' 00"W	78.53
L29	S 07° 00' 25"W	85.00
L30	N 00° 25' 50"W	78.72
L31	S 04° 23' 20"W	51.17
L32	S 05° 50' 50"W	20.21
L33	S 05° 30' 27"W	47.00
L34	S 07° 30' 10"W	48.51
L35	N 00° 50' 30"W	35.69
L36	S 07° 00' 50"W	84.06
L37	S 00° 11' 00"W	30.33
L38	S 05° 15' 20"W	84.76
L39	S 05° 35' 44"W	48.30
L40	S 00° 00' 00"E	16.20
L41	S 01° 12' 30"E	22.17
L42	S 07° 00' 00"E	47.83
L43	S 03° 00' 30"E	50.01
L44	N 07° 00' 00"E	52.26
L45	N 02° 00' 50"E	100.30
L46	N 02° 44' 50"E	37.48
L47	S 01° 50' 20"E	57.65
L48	S 01° 17' 00"E	24.89
L49	S 00° 50' 50"E	20.35
L50	N 02° 40' 10"E	3.68
L51	N 01° 32' 24"W	23.00
L52	N 02° 51' 00"W	24.50
L53	N 03° 17' 00"E	81.45
L54	N 05° 20' 00"E	77.50
L55	N 07° 03' 20"E	50.55
L56	N 02° 28' 30"E	36.87
L57	S 06° 05' 50"E	8.06
L58	N 03° 47' 11"E	22.81
L59	N 00° 24' 00"E	48.78

LEGEND

PROPERTY LINE
ADJACENT LINE
TOWNSHIP RIGHT-OF-WAY LINE
PRIVATE RIGHT-OF-WAY LINE
BUILDING SETBACK LINE
EDGE OF PAVEMENT
EDGE OF TREE LINE
EDGE OF GRAVEL/STONE
WETLAND BUFFER/DRAINAGE EASEMENT
STORMWATER PIPE
FENCE
CONCRETE SIDEWALK

UTILITY POLE
FORESTED WETLANDS
PERMANENT/INTERMITTENT STREAM
TOWNSHIP LINE
EDGE OF TREE LINE
CONCRETE CURB
CONCRETE SIDEWALK
TO BE SET
POLE MOUNTED LIGHT
WALL MOUNTED LIGHT
MAILBOX
SIGN
RETAINING WALL
WETLAND BUFFER/DRAINAGE EASEMENT

PRELIMINARY/FINAL LAND DEVELOPMENT

EASEMENT PLAN

MT. NEBO II APARTMENTS

MIDDLE SMITHFIELD TOWNSHIP
& SMITHFIELD TOWNSHIP
MONROE COUNTY
PENNSYLVANIA

PLAN TITLE:

PROJECT TITLE:

DATE

NO.

REVISIONS

SCALE

CHECKED BY

DATE

AS NOTED

DATE

PROJECT NO.

SHEET NO.

PA-1240

EP-1

POCONO OFFICE

3355 Route 611, Suite 1

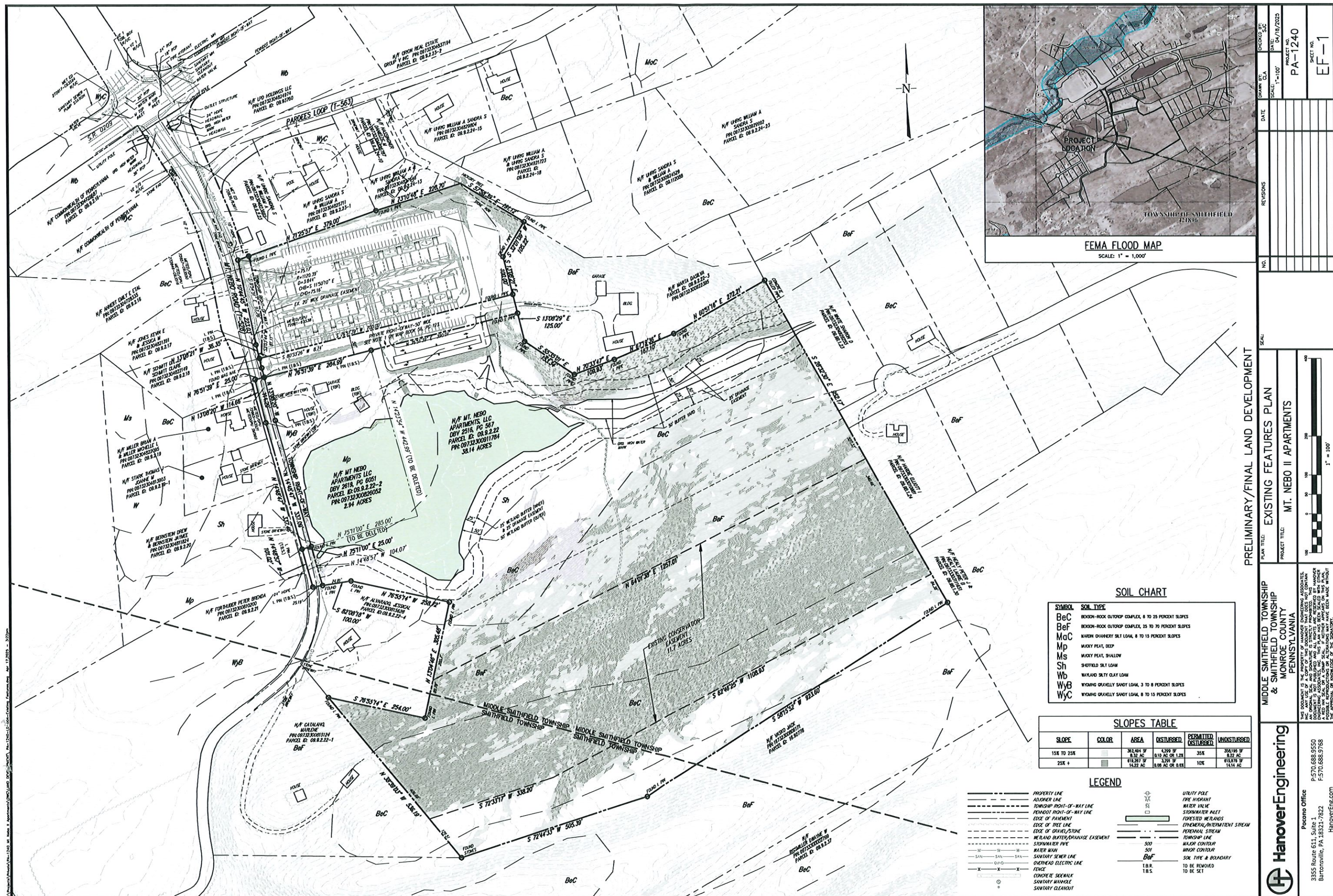
Bartonsville, PA 18321-7822

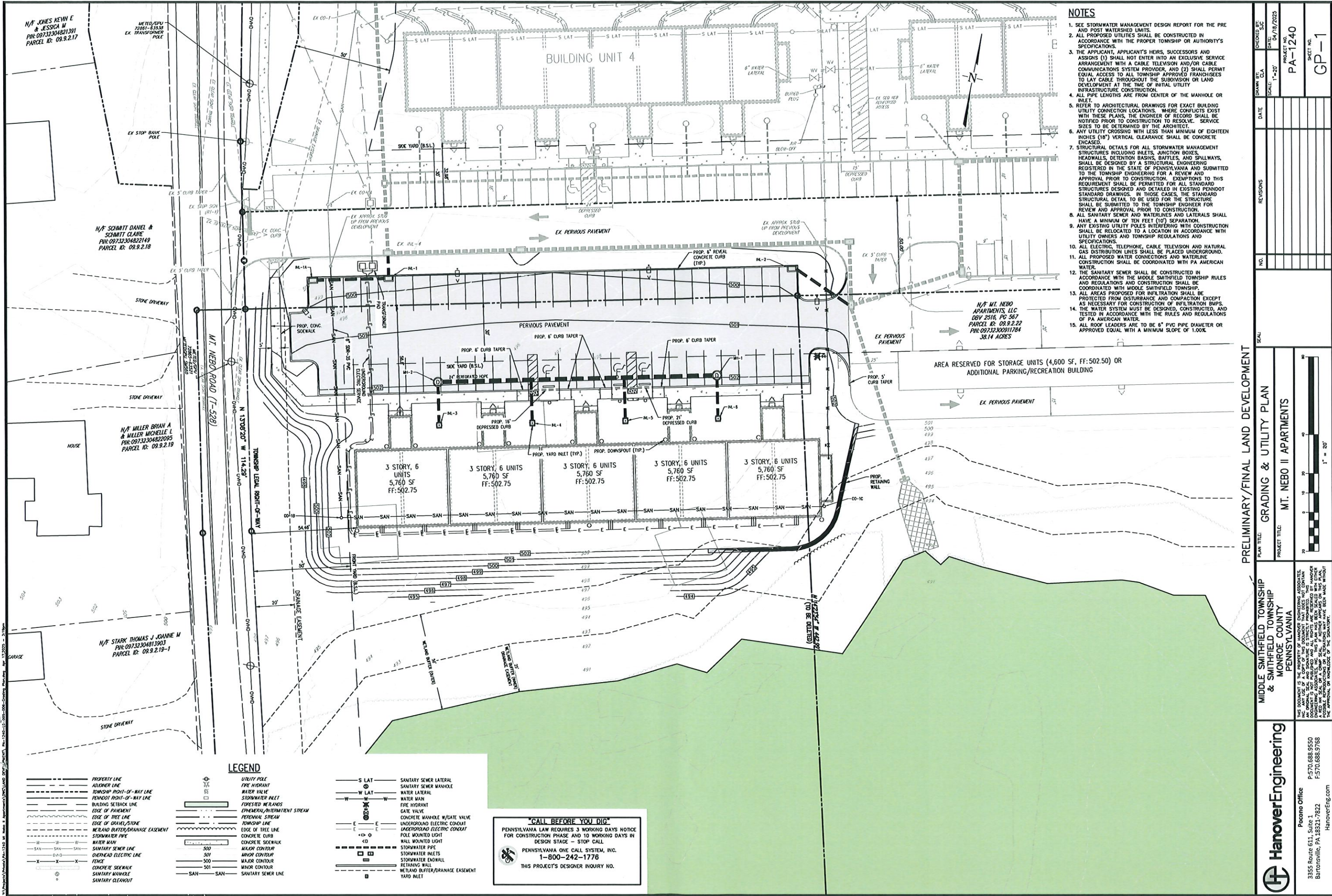
P: 570.688.9550

F: 570.688.9768

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NOTES	
1. SEE STORMWATER MANAGEMENT DESIGN REPORT FOR THE PRE AND POST DEVELOPMENT CONDITIONS.	
2. ALL PROPOSED UTILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PROPER TOWNSHIP OR AUTHORITY'S SPECIFICATIONS.	
3. THE APPLICANT, APPLICANT'S HEIRS, SUCCESSORS AND ASSIGNS (1) SHALL NOT ENTER INTO AN EXCLUSIVE SERVICE AGREEMENT WITH A CABLE TELEVISION AND/OR CABLE COMMUNICATIONS SYSTEM PROVIDER, AND (2) SHALL PERMIT EQUAL ACCESS TO ALL TOWNSHIP APPROVED FRANCHISEES TO LAY CABLE THROUGHOUT THE SUBDIVISION OR LAND DEVELOPMENT AT THE TIME OF INITIAL UTILITY INFRASTRUCTURE CONSTRUCTION.	
4. ALL PIPE LENGTHS ARE FROM CENTER OF THE MANHOLE OR INLET.	
5. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT BUILDING UTILITY CONNECTION LOCATIONS. WHERE CONFLICTS EXIST WITH THESE PLANS, THE ENGINEER OF RECORD SHALL BE NOTIFIED PRIOR TO CONSTRUCTION TO RESOLVE. SERVICE SITES TO BE DETERMINED BY THE ARCHITECT.	
6. ANY UTILITY CROSSING WITH LESS THAN MINIMUM OF EIGHTEEN INCHES (18") VERTICAL CLEARANCE SHALL BE CONCRETE ENCASED.	
7. STRUCTURAL DETAILS FOR ALL STORMWATER MANAGEMENT STRUCTURES INCLUDING INLETS, JUNCTION BOXES, HEADWALLS, DETENTION BASINS, Baffles, AND SPILLWAYS, SHALL BE DESIGNED BY A STRUCTURAL ENGINEERING REGISTERED IN THE STATE OF PENNSYLVANIA AND SUBMITTED TO THE TOWNSHIP ENGINEERING FOR A REVIEW AND APPROVAL PRIOR TO CONSTRUCTION. EXEMPTIONS TO THIS REQUIREMENT SHALL BE PERMITTED FOR ALL STANDARD STRUCTURES DESIGNED AND DETAILED IN EXISTING PENNDOT STANDARD DRAWINGS. IN THOSE CASES, THE STANDARD STRUCTURAL DETAIL TO BE USED FOR THE STRUCTURE SHALL BE SUBMITTED TO THE TOWNSHIP ENGINEER FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.	
8. ALL SANITARY SEWER AND WATERLINES AND LATERALS SHALL HAVE A MINIMUM OF TEN FEET (10') SEPARATION.	
9. ANY EXISTING UTILITY POLES INTERFERING WITH CONSTRUCTION SHALL BE RELOCATED TO A LOCATION IN ACCORDANCE WITH UTILITY OWNERS' AND TOWNSHIP REGULATIONS AND SPECIFICATIONS.	
10. ALL ELECTRIC, TELEPHONE, CABLE TELEVISION AND NATURAL GAS DISTRIBUTION LINES SHALL BE PLACED UNDERGROUND.	
11. ALL PROPOSED WATER CONNECTIONS AND WATERLINE CONSTRUCTION SHALL BE COORDINATED WITH PA AMERICAN WATER.	
12. THE SANITARY SEWER SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MIDDLE SMITHFIELD TOWNSHIP RULES AND REGULATIONS AND CONSTRUCTION SHALL BE COORDINATED WITH MIDDLE SMITHFIELD TOWNSHIP.	
13. ALL AREAS PROPOSED FOR INFILTRATION SHALL BE PROTECTED FROM DISTURBANCE AND COMPACTION EXCEPT AS NECESSARY FOR CONSTRUCTION OF INFILTRATION BIPS. THE WATER SYSTEM MUST BE DESIGNED, CONSTRUCTED, AND TESTED IN ACCORDANCE WITH THE RULES AND REGULATIONS OF PA AMERICAN WATER.	
15. ALL ROOF LEADERS ARE TO BE 6" PVC PIPE DIAMETER OR APPROVED EQUAL WITH A MINIMUM SLOPE OF 1.00%.	

NO.	REVISIONS	DATE	BY	CHKD	DATE	SCALE	PROJECT NO.	SHEET NO.
						1"=20'	PA-1240	GP-1

PRELIMINARY/FINAL LAND DEVELOPMENT

PLAN TITLE: GRADING & UTILITY PLAN

PROJECT TITLE: MT. NEBO II APARTMENTS

MIDDLE SMITHFIELD TOWNSHIP & SMITHFIELD TOWNSHIP MONROE COUNTY PENNSYLVANIA

1" = 20'

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LEGEND

--- PROPERTY LINE

--- ADJACENT LINE

--- TOWNSHIP RIGHT-OF-WAY LINE

--- PENNDOT RIGHT-OF-WAY LINE

--- BUILDING SETBACK LINE

--- EDGE OF PAVEMENT

--- EDGE OF TREE LINE

--- EDGE OF GRAVEL/STONE

--- METAL BUTTER/DRAINAGE EASEMENT

--- STORMWATER PIPE

--- WATER MAIN

--- SANITARY SEWER LINE

--- OVERHEAD ELECTRIC LINE

--- FENCE

--- CONCRETE SIDEWALK

--- SANITARY MANHOLE

--- SANITARY CLEANOUT

○ UTILITY POLE

○ FIRE HYDRANT

○ WATER VALVE

○ STORMWATER INLET

○ DEPRESSED MANHOLE

○ PERMANENT/INTERMITTENT STREAM

○ PERMANENT STREAM

○ TOWNSHIP LINE

○ EDGE OF TREE LINE

○ CONCRETE CURB

○ CONCRETE SIDEWALK

○ MAJOR CONTOUR

○ MAJOR CONTOUR

○ MAJOR CONTOUR

○ SANITARY SEWER LINE

--- S LAT --- SANITARY SEWER LATERAL

--- W LAT --- SANITARY SEWER MANHOLE

--- W --- WATER MAIN

--- W --- FIRE HYDRANT

--- E --- CONCRETE MANHOLE W/GATE VALVE

--- E --- UNDERGROUND ELECTRIC CONDUIT

--- E --- POLE MOUNTED LIGHT

--- E --- STORMWATER PIPE

--- E --- STORMWATER INLETS

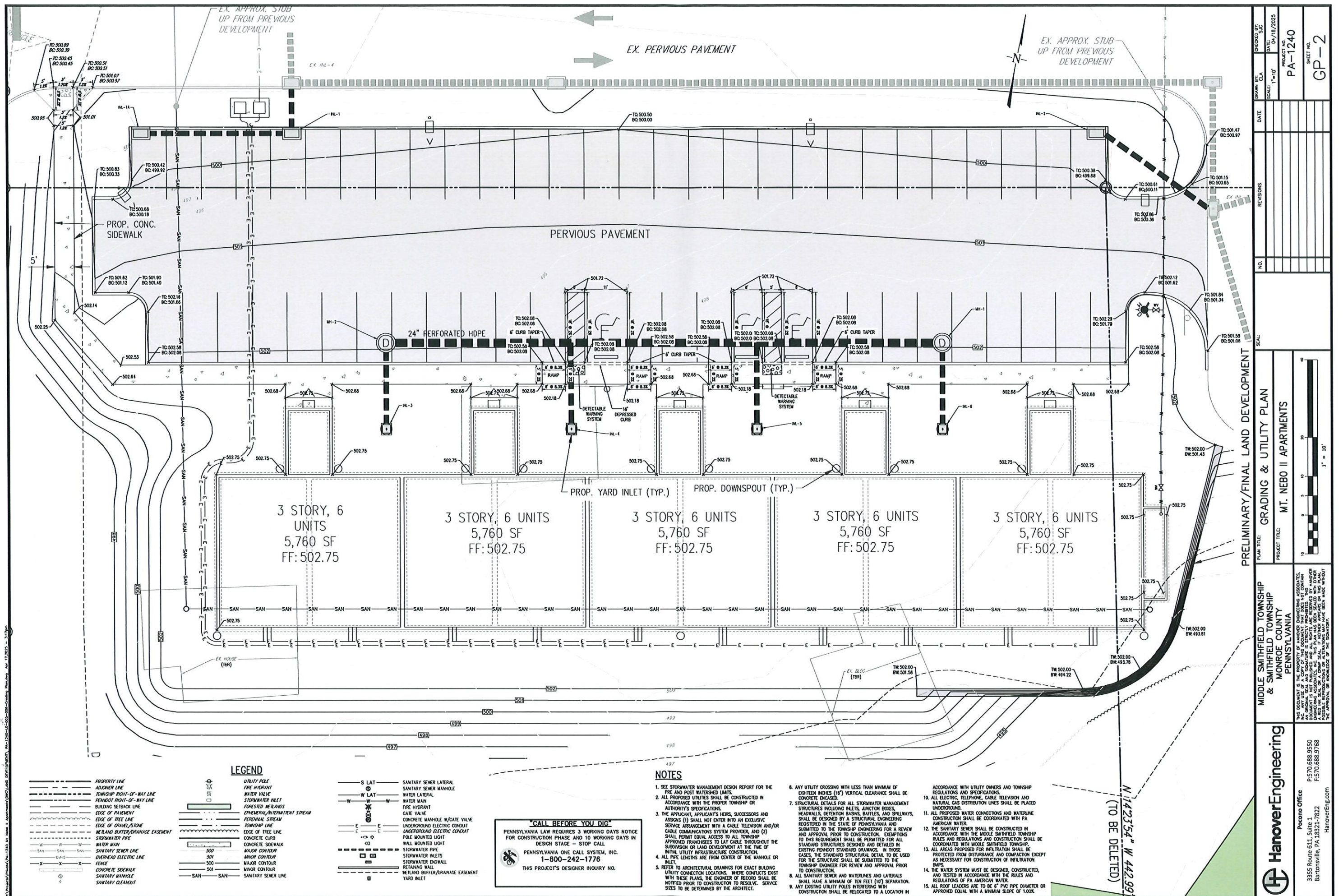
--- E --- STORMWATER ENDWALL

--- E --- RETAINING WALL

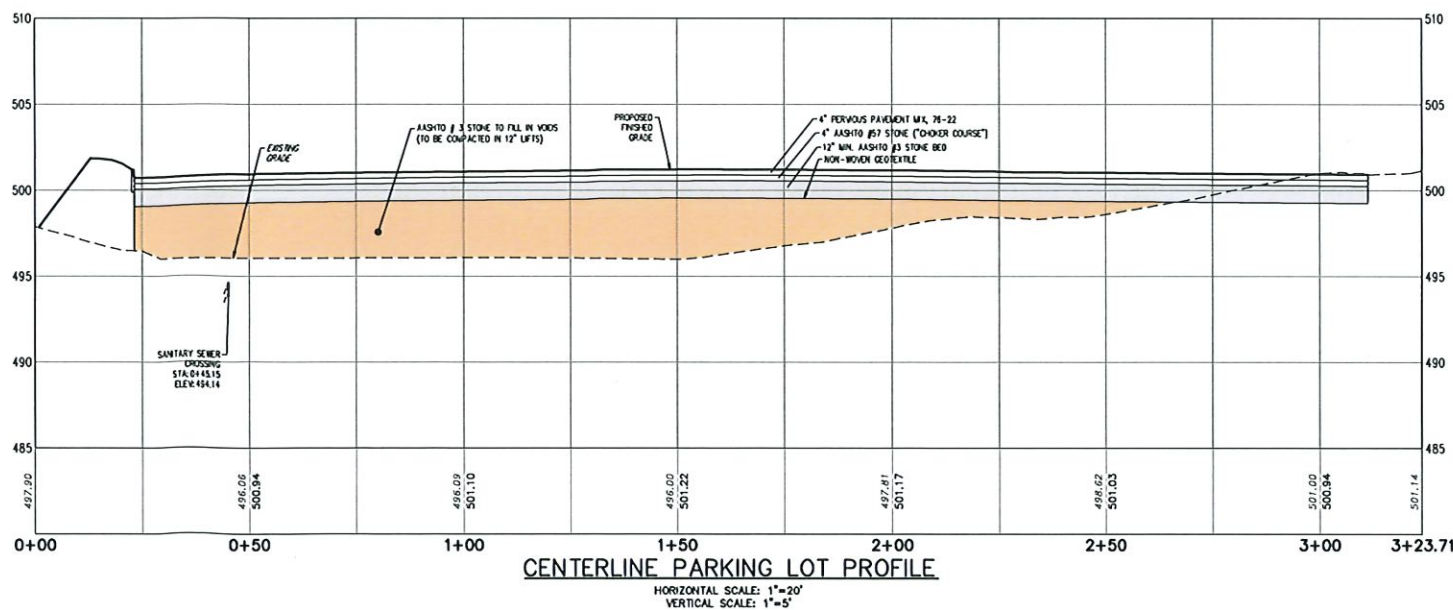
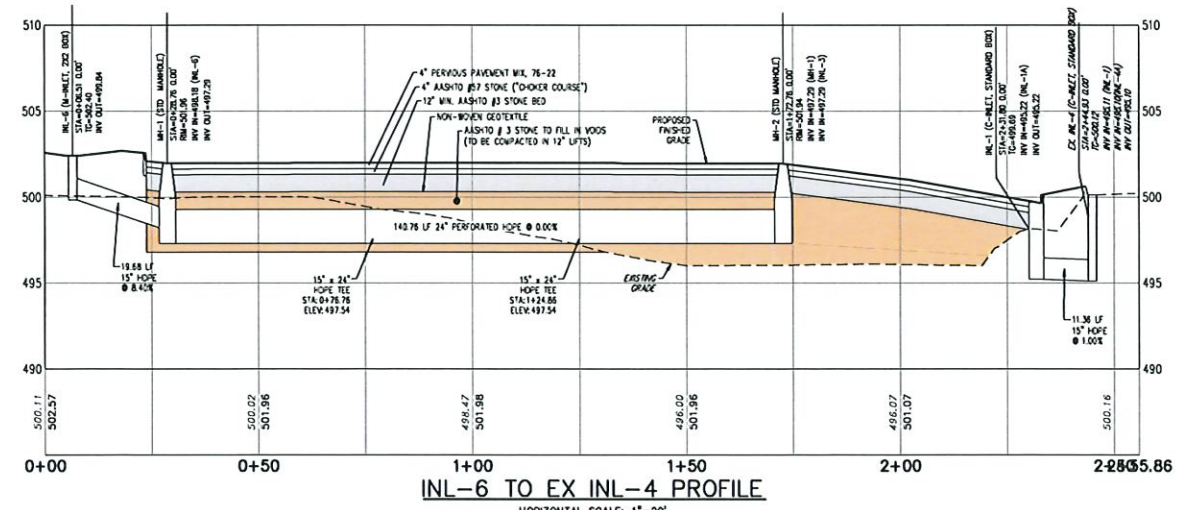
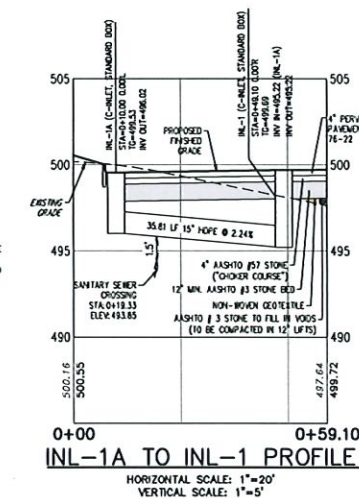
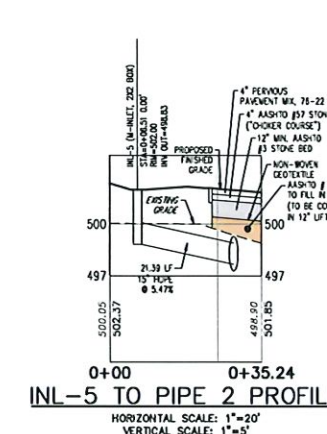
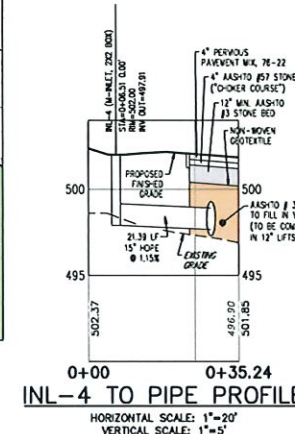
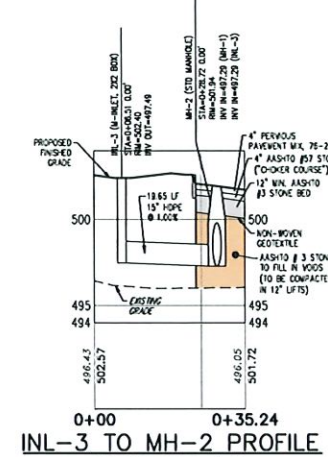
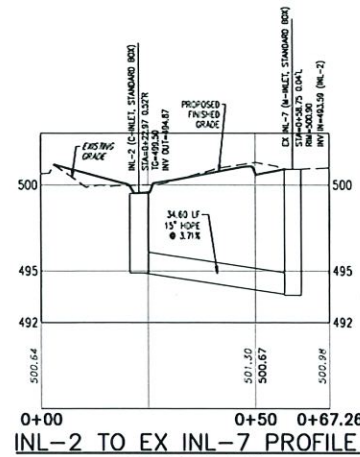
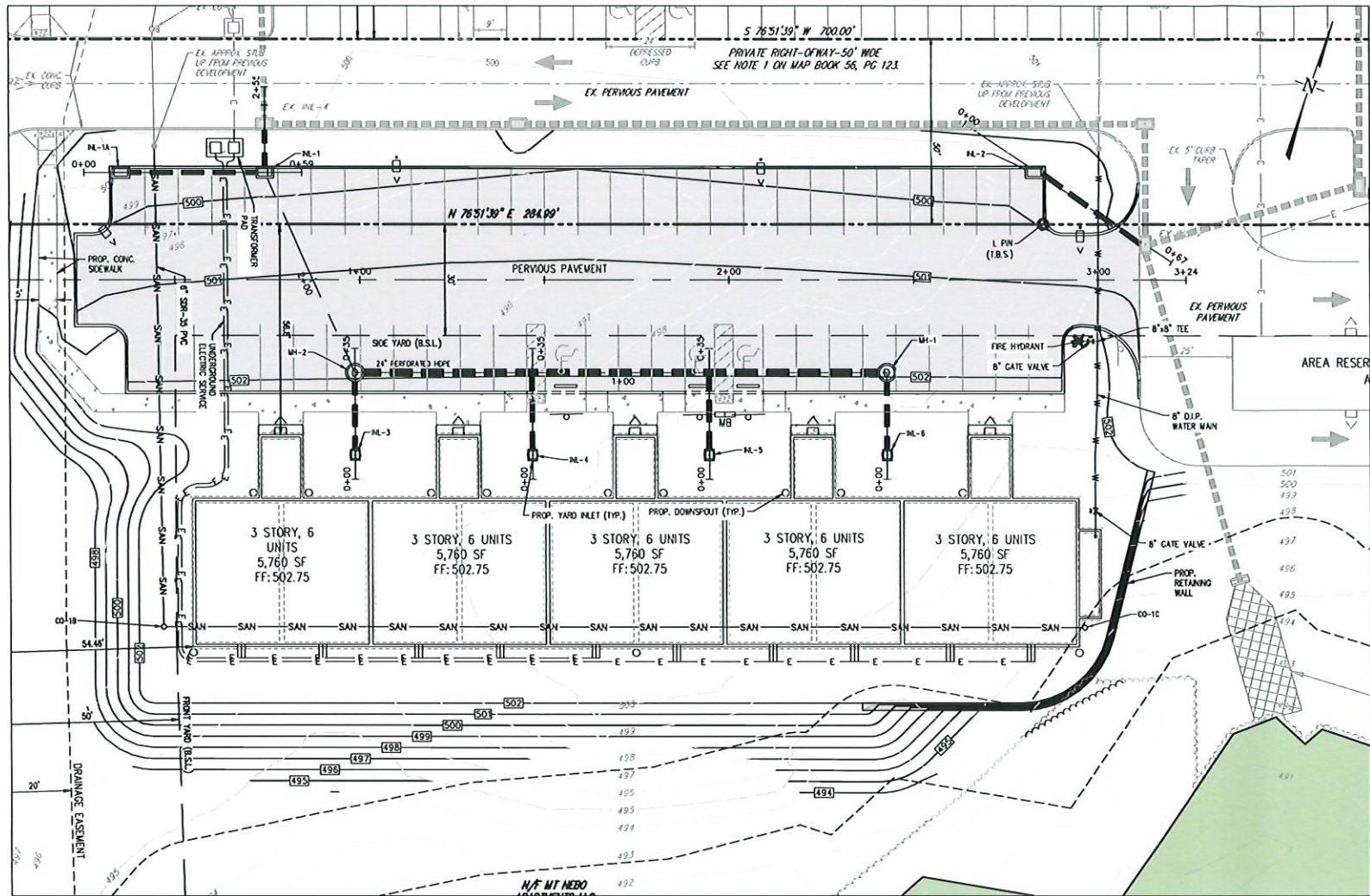
--- E --- METAL BUTTER/DRAINAGE EASEMENT

--- E --- YARD INLET

"CALL BEFORE YOU DIG"
PENNSYLVANIA LAW REQUIRES 3 WORKING DAYS NOTICE FOR CONSTRUCTION PHASE AND 10 WORKING DAYS IN DESIGN STAGE - STOP CALL
PENNSYLVANIA ONE CALL SYSTEM, INC.
1-800-242-1776
THIS PROJECT'S DESIGNER INQUIRY NO.



 HanoverEngineering	MIDDLE SMITHFIELD TOWNSHIP & SMITHFIELD TOWNSHIP MONROE COUNTY PENNSYLVANIA	PLAN TITLE: GRADING & UTILITY PLAN PROJECT TITLE: MT. NEBO II APARTMENTS		PLAN NO.	REVISIONS	DATE	DRAWN BY:	CHECKED BY:
							SCALE: 1"=10'	DATE: 04/18/2023
Pecoco Office 3355 Route 611, Suite 1 Bartonsville, PA 18321-7822 P: 570.688.9550 F: 570.688.9768 HanoverEng.com				PROJECT NO. PA-1240			SHEET NO. GP-2	

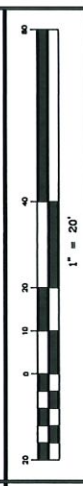


PRELIMINARY/FINAL LAND DEVELOPMENT

PLAN TITLE: STORMWATER PLAN & PROFILE SHEET
PROJECT TITLE: MT. NEBO II APARTMENTS

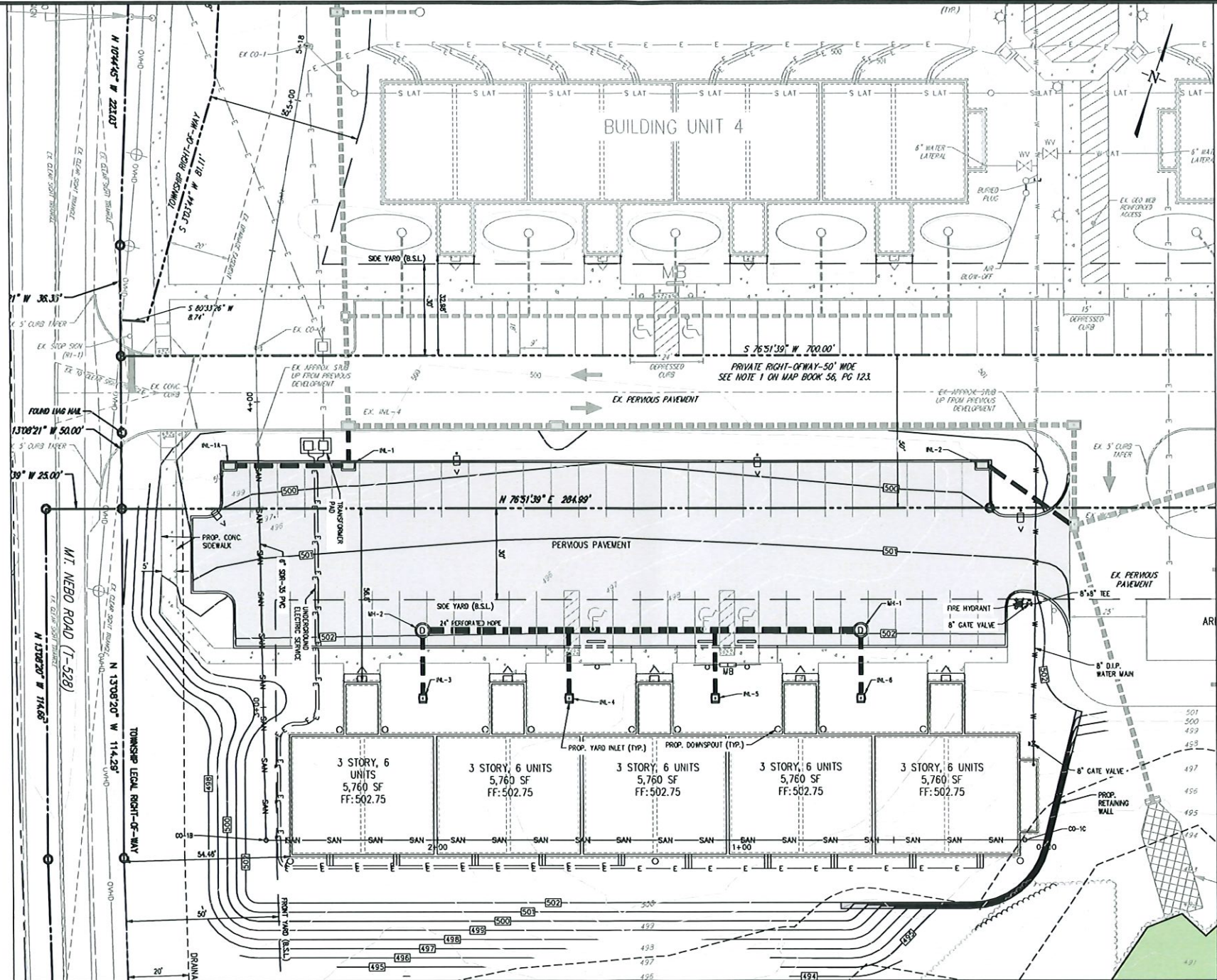
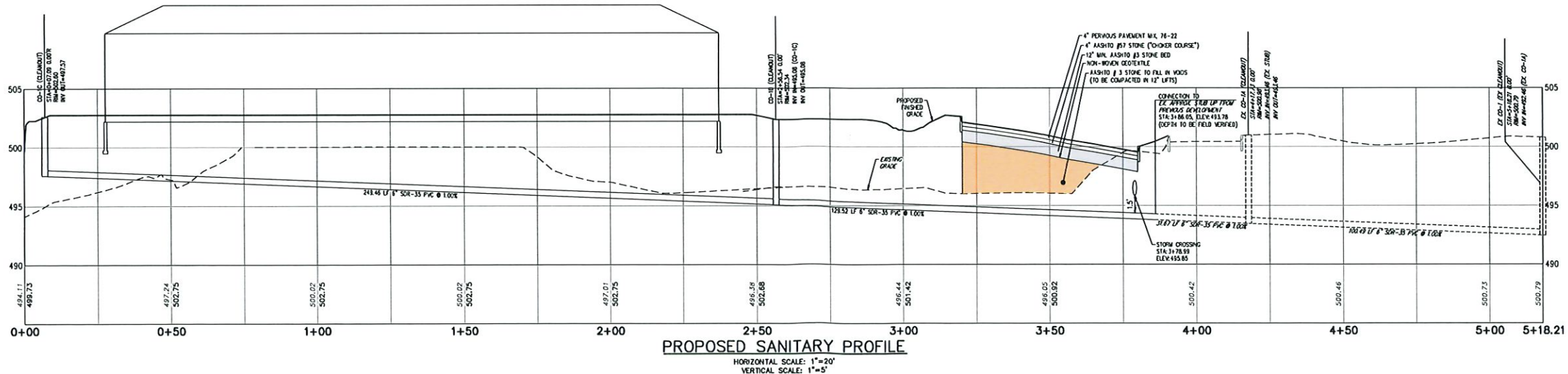
MIDDLE SMITHFIELD TOWNSHIP
& SMITHFIELD TOWNSHIP
MONROE COUNTY
PENNSYLVANIA

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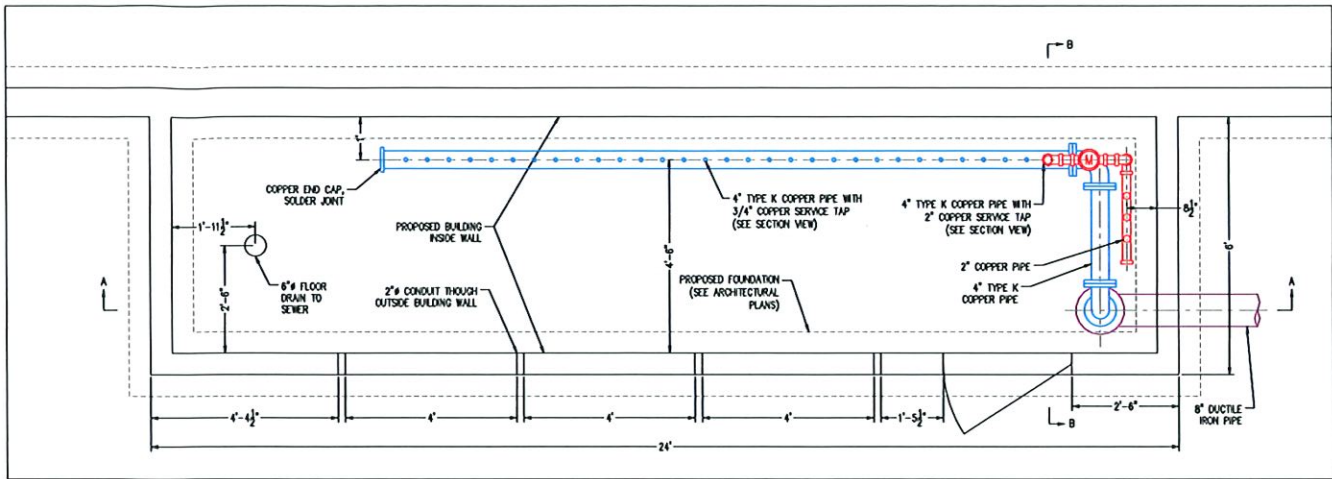
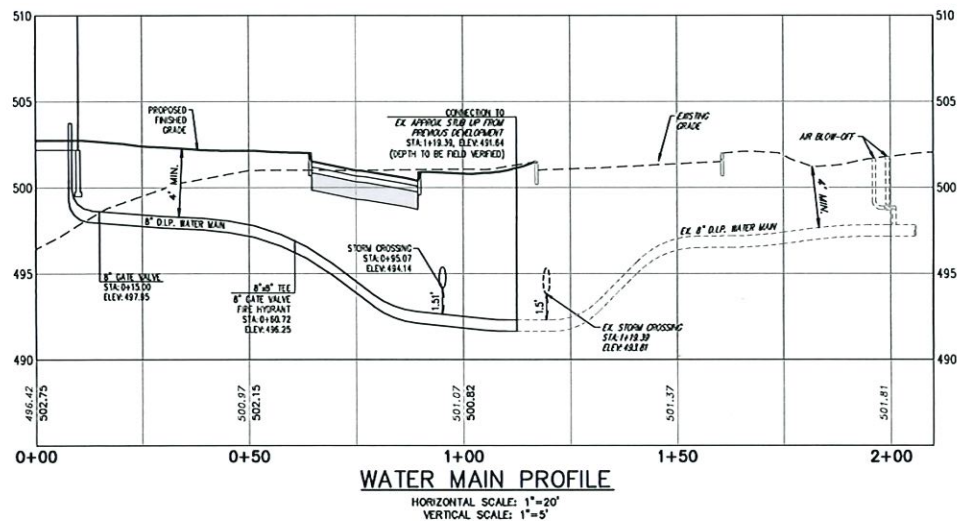
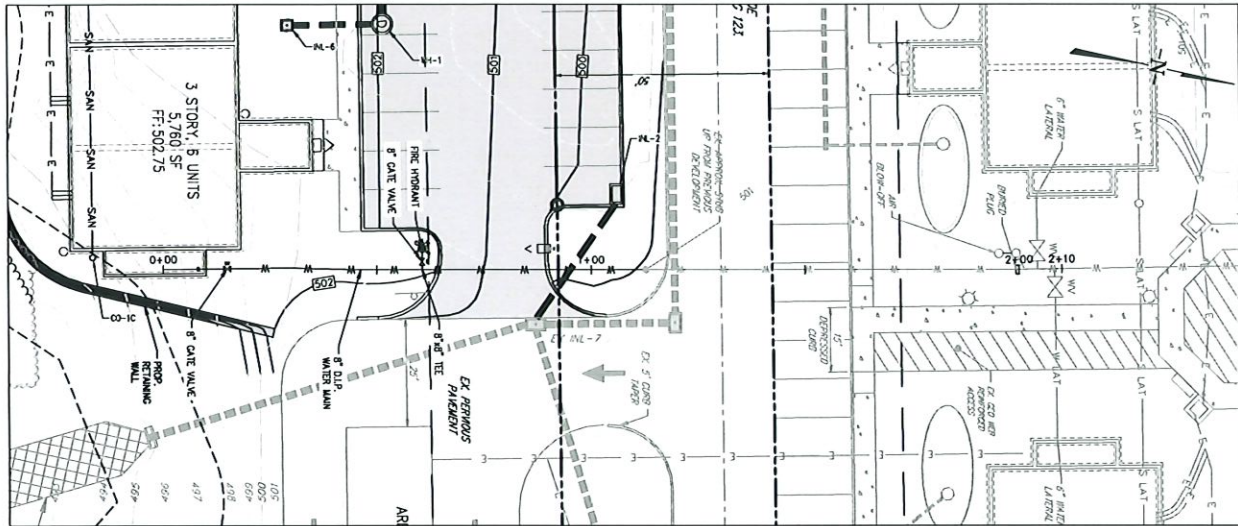
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DATE: 04/18/2025
SCALE: 1"=20'
PROJECT NO: PA-1240
SHEET NO: SWP-1

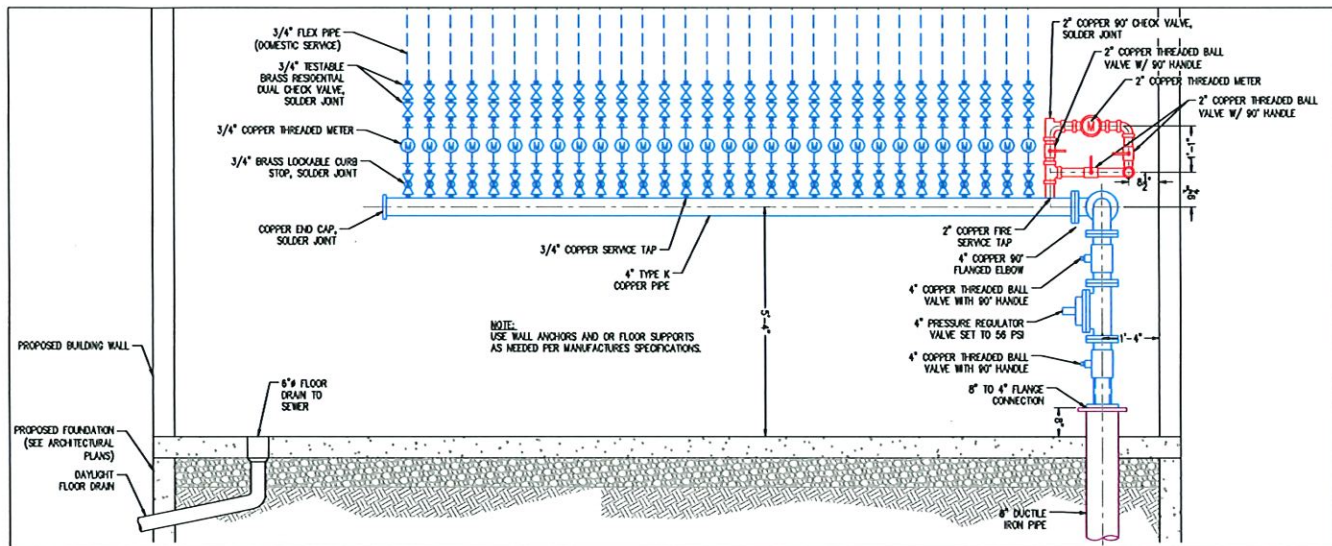


PRELIMINARY/FINAL LAND DEVELOPMENT

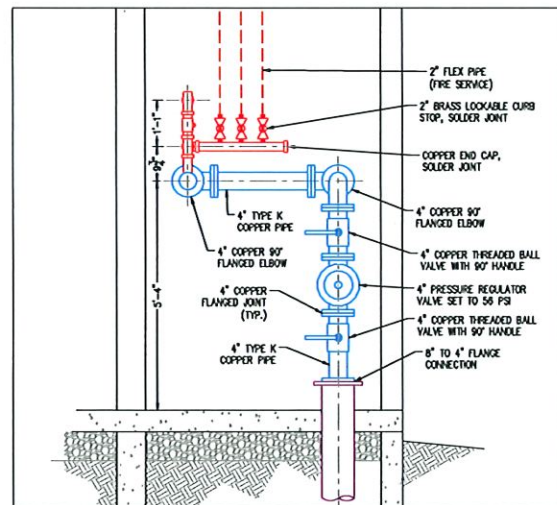
 HanoverEngineering Pocahontas Office 3355 Route 611, Suite 1 Bartonville, PA 18321-7822 P: 570.688.9550 F: 570.688.9768 Hanover-Eng.com	MIDDLE SMITHFIELD TOWNSHIP & SMITHFIELD TOWNSHIP MONROE COUNTY PENNSYLVANIA	PLAN TITLE: UTILITY PLAN & PROFILE SHEET PROJECT TITLE: MT. NEBO II APARTMENTS	SCALE:
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WATER SERVICE MODEL PLAN VIEW
SCALE: 1" = 2'



WATER SERVICE MODEL SECTION A-A
SCALE: 1" = 2'



WATER SERVICE MODEL SECTION B-B
SCALE: 1" = 2'

PRELIMINARY/FINAL LAND DEVELOPMENT

UTILITY PLAN & PROFILE SHEET

PROJECT TITLE: MT. NEBO II APARTMENTS

MIDDLE SMITHFIELD TOWNSHIP
& SMITHFIELD TOWNSHIP
MONROE COUNTY
PENNSYLVANIA

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NO.	REVISIONS	DATE	DRAWN BY: CL	CHECKED BY: SJC
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PROJECT NO: PA-1240
SHEET NO: UP-2

1. THE CONTRACTOR MUST VERIFY LOCATION AND DEPTH OF ALL UNDERGROUND UTILITIES AND FACILITIES PRIOR TO BEGINNING CONSTRUCTION. ALL FIELD CONDITIONS SHALL BE RECORDED BY THE CONTRACTOR AND THE SPOILED SPECIES SHALL BE 1778.
2. THE CONTRACTOR SHALL LOCATE AND REVEAL ALL PLANT MATERIAL AND PLANT LOCATIONS WITH ARCHITECT OR OWNER PRIOR TO INSTALLATION. SPOILED SPECIES CAN BE SELECTED AND SHALL BE APPROVED BY THE CITY FORESTER.
3. FIELD CONDITIONS MAY OBTAIN MINOR ADJUSTMENTS TO THE LOCATION OF PLANT MATERIAL, BEFORE MAJOR ADJUSTMENTS OF PLANT LOCATIONS. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT. SUSTITUTIONS WHEN PLANTS OF A SPECIFIED TYPE OR SIZE ARE NOT AVAILABLE WITH A REASONABLE DELAY, SUSTITUTIONS MAY BE MADE ONLY IF THE CITY FORESTER OR THE ARCHITECT OR THE OWNER OR THEIR REPRESENTATIVE. THE CONTRACTOR SHALL NOTIFY THE OWNER IN WRITING OF ANY PLANT MATERIALS THAT HE FEELS WILL NOT BE AVAILABLE, PRIOR TO SUBMITTING A BID ON THIS PROJECT. IF A BID IS SUBMITTED WITHOUT SUCH NOTIFICATION, IT WILL BE ASSURED NO SUCH SUSTITUTIONS WILL BE PROPOSED.
4. ALL AREAS DISTURBED DURING PLANTING ACTIVITY SHALL BE REVEALED AS PERMANENTLY RESTORED TO THE SPOILED SPECIES AS SUPPLIED BY NORTHAMPTON SEED COMPANY;
 - 5A. OREGON RED FESCUE
 - 5B. THE LEAVED PRAIRIEGRASS
 - 5C. KENTUCKY BLUEGRASS
 - 5. EQUALS PROPORTION BY WEIGHT
 - 6. SEED AT A RATE OF 30 POUNDS PER 1,000 SQUARE FEET AS SUPPLIED BY NORTHAMPTON SEED COMPANY OR APPROVED EQUIV.
7. ALL TREE AND SHRUB GROUPINGS MAY BE COMPLETELY ENCOMPASSED

- WITHIN ONE LARGE MOUND EACH AT EACH PLANT GROUPING LOCATION, THE MOUND BED SHALL SUFFICIENTLY EXTEND UNWINDLY 2' - 0" PAST THE DROP ZONE OF TREES OR SHRUBS.
10. PREPARED MULCH OR ACTIVELY MAINTAINED MULCH SHALL BE APPLIED TO ALL PLANTS TO PREVENT SOIL LOSS. KEEP MULCH 2-3" AWAY FROM THE TRUNK OF THE TREE.
11. AN OVERLAPPING SHADE APPROPRIATE PRE-EMERGENT WEED KILLER, PER (OR APPROVED EQUIVALENT), TO APPLY FOR TO MAINTAIN CATCHING AREAS. WATER IRRIGATION IF NECESSARY.
12. PLANTS THAT ARE PLANTED SHALL BE TREATED WITH ANTI-DESCRIPTANT SUCH AS MIL-PROF.
13. PREPARATION OF PLANTING SOIL: BEFORE WINDING, CLEAN TOPSOIL OF ROCKS, LIMESTONE, LIMES, AND OTHER EXISTING MATERIALS HARMFUL TO PLANT GROWTH. PLANTING SOIL FOR TREES, SHRUBS, AND GROUND COVER SHALL BE A MATURE BY VOLUME OF THE FOLLOWING:
 - SOIL TOPSOIL
 - SOIL ORGANIC MATTER
14. THE CONTRACTOR IS RESPONSIBLE FOR ANY ADJUSTMENTS TO SOIL PH, FERTILITY, AND/OR DRAINAGE CONDITIONS NECESSARY TO ENSURE PROPER GROWING CONDITIONS FOR PROPOSED PLANTINGS.
15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR WEEDING, FERTILIZING, AND MAINTAINING ALL NEWLY PLANTED PLANTINGS FOR A PERIOD OF THIRTY DAYS AFTER PLANTING. WATER IS AVAILABLE ON SITE.
16. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF PLANT MATERIAL AT THE APPROPRIATE TIME OF YEAR.
17. PLANT MATERIAL SHALL BE WARRANTED FOR A PERIOD OF 18 MONTHS FROM DATE OF FINAL ACCEPTANCE.
18. ALL PLANTS SHALL BE IN ACCORDANCE WITH THE AMERICAN STANDARD

FOR NURSERY STOCK, LATEST EDITION.

3. ALL TREES AND SHRUBBERY SHALL BE OF STANDARD NURSERY STOCK FREE OF DISEASE AND INSECT INFESTATION.
4. PLANTING MATERIAL SHALL BE BUILT AND BURLAPED STOCK. CUT BURLAP AROUND THE ROOT BALL AND FOLD IT DOWN AT LEAST 1/2 WAY.
5. ALL PLANTINGS SHALL INCORPORATE A PEAT MOSS MIXTURE.
6. 2. STOCK ON-SITE TPOSSOL BE OF INSUFFICIENT VOLUME FOR TREE, SHRUB AND LAND PLANTING. TPOSSOL SHALL BE IMPORTED TO THE SITE OR EXISTING SITE.

50%5 MEDICAL TO PROVIDE FOR ADEQUATE GROWING MEDIUM DEPTHS.

LANDSCAPING REQUIREMENTS:

SECTION 107.17.9A:

ONE DECIDUOUS SHADY TREE/EACH 50 FT OF FRONT-OF-WAY FRONTAGE ON MI. NEBO ROAD

220 FT OF NON WOODED ROW = 5 TREES REQUIRED

5 TREES PROPOSED

SECTION 170.72.B:

ONE DECIDUOUS SHADY TREE/EVERY 10 PARKING SPACES

EXISTING AND PARKING AREAS

PROPOSED 55 PARKING SPACES + 6 TREES REQUIRED

6 TREES PROPOSED

SECTION 170.72.B:

ONE DECIDUOUS TREE/DRILLING UNIT (GOES IN FRONT YARD)

PROPOSED 30 DRILLING UNITS = 30 TREES REQUIRED

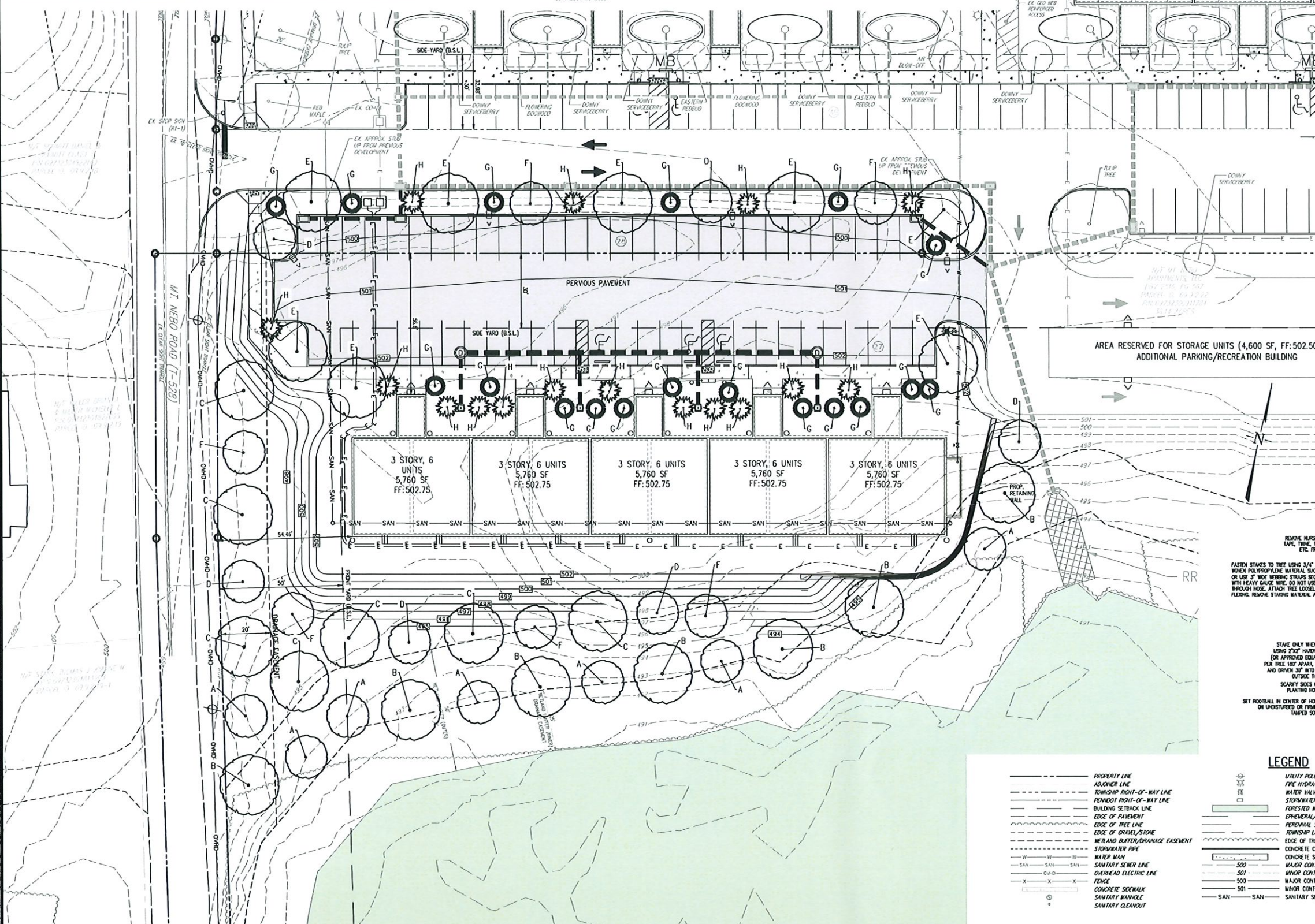
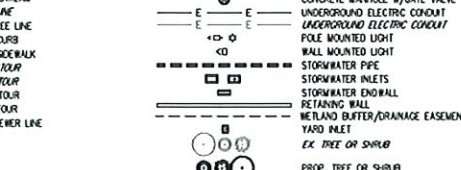
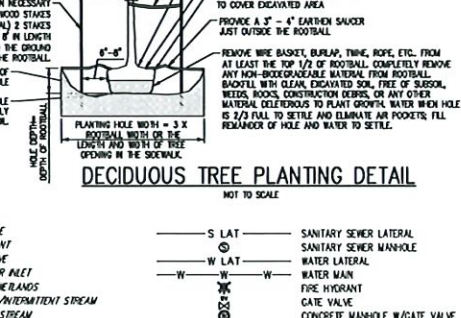
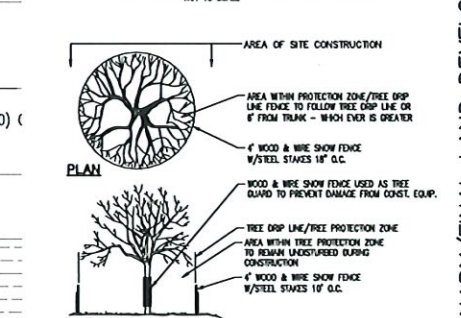
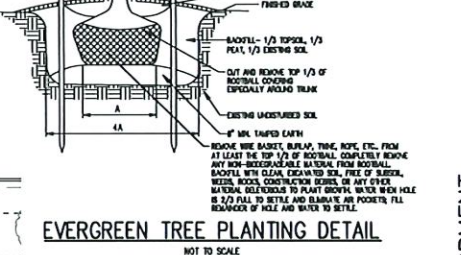
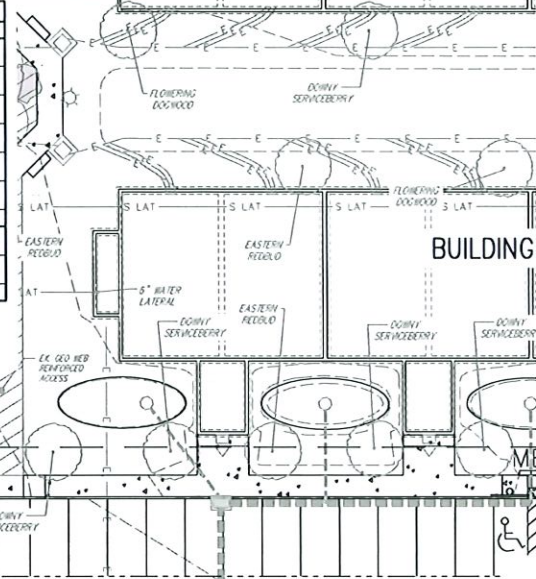
30 TREES PROPOSED

SECTION 170.79.A:
ONE DECIDUOUS SHADE TREE/EACH 50 FT. OF RIGHT-OF-WAY
FRONTAGE ON W. NEBO ROAD
220 FT. OF NON WOODROW ROW = 5 TREES REQUIRED
5 TREES PROPOSED

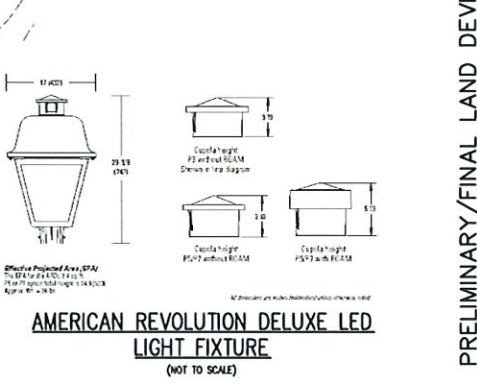
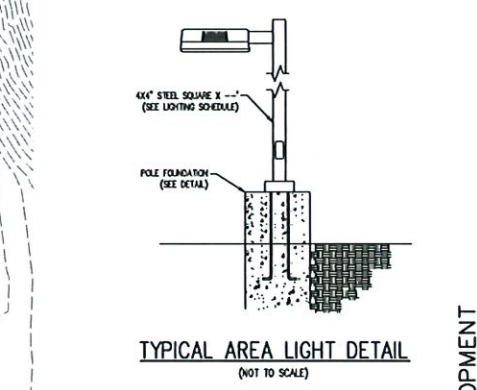
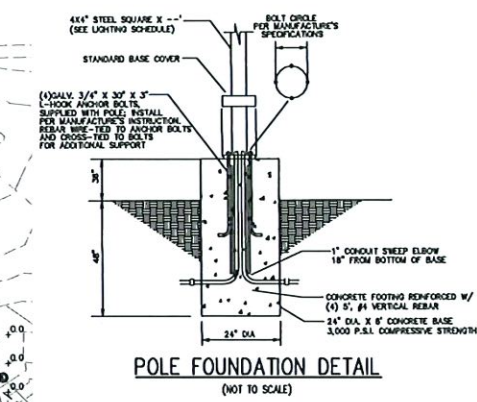
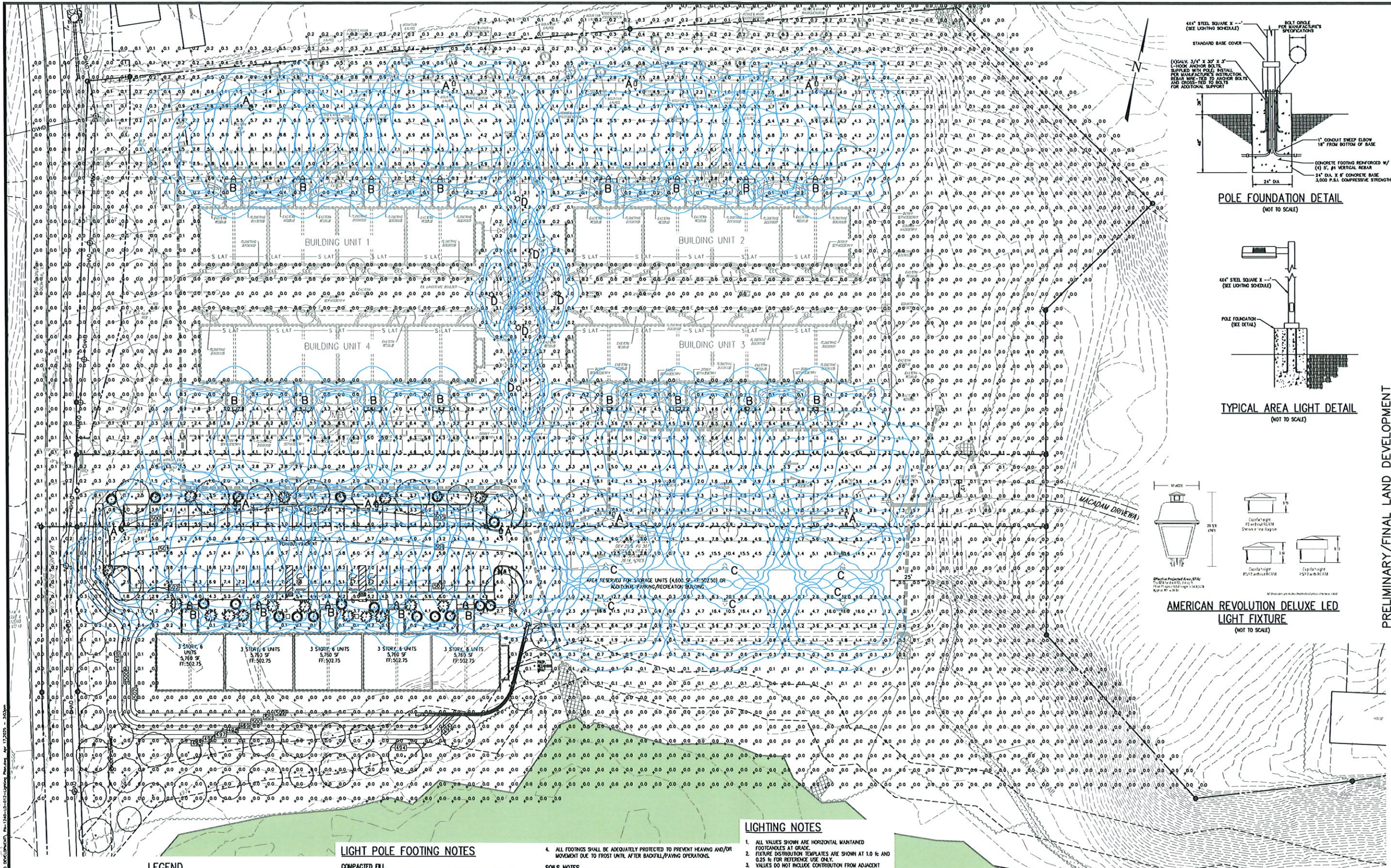
SECTION 170.79.B:
ONE DECIDUOUS SHADE TREE/EVERY 10 PARKING SPACES
(AROUND PARKING AREAS)
PROPOSED 55 PARKING SPACES = 6 TREES REQUIRED
6 TREES PROPOSED

SECTION 170.79.B:
ONE DECIDUOUS TREE/DWELLING UNIT
(GOES IN FRONT YARD)
PROPOSED 30 DWELLING UNITS = 30 TREES REQUIRED
30 TREES PROPOSED

PLANTING SCHEDULE						
S.NO.	BOTANICAL NAME	COMMON NAME	QTY.	SIZE	HEIGHT	REMARKS
A	URODENDRON TULIPIFERA	TULIP TREE	7	MIN. 2" TRUNK DIAMETER	40' - 60'+	FULL SUN TO PARTIAL SHADE
B	QUERCUS BLOBBE FASTIGIATA	MAGN HILL TREE	7	MIN. 2" TRUNK DIAMETER	50' - 80'	FULL SUN TO PARTIAL SHADE (WAKE SPEEDS ONLY)
C	TILIA PETIOLARS	SILVER LINDEN	7	MIN. 2" TRUNK DIAMETER	50' - 70'	FULL SUN TO PARTIAL SHADE
D	ACER RUBRUM	RED MAPLE	6	MIN. 2" TRUNK DIAMETER	40' - 70'	FULL SUN TO PARTIAL SHADE
E	CELTIS OCCIDENTALS	COMMON HACKBERRY	8	MIN. 2" TRUNK DIAMETER	40' - 60'	FULL SUN
F	ACER SACCHARINUM	SUGAR MAPLE	8	MIN. 2" TRUNK DIAMETER	40' - 80'	FULL SUN TO PARTIAL SHADE
TOTAL DECIDUOUS TREES = 41						
G	KALMA LATIFOLIA	MOUNTAIN LAUREL	18	X	3' - 4'	ACIDIC SOIL, PARTIAL SHADE
H	RHOXODENDRON MAXIMUM	DOUGLASS LAUREL	18	X	3' - 4'	ACIDIC SOIL, PARTIAL SHADE
TOTAL SHRUBS = 34						



 HanoverEngineering Picocone Office 3355 Route 611, Suite 1 Batonsville, PA 18221-7822 P:570.888.9550 F:570.888.9788 HanoverEng.com	MIDDLE SMITHFIELD TOWNSHIP & SMITHFIELD TOWNSHIP MONROE COUNTY PENNSYLVANIA		PLAN TITLE: LANDSCAPE PLAN & DETAILS PROJECT TITLE: MT. NEBO II APARTMENTS		SCALE  1" = 20'	PRELIMINARY/FINAL LAND DEVELOPMENT
	NO.		REVISIONS			
	DATE		DRAWN BY: CLA SCALE: 1"=20'			
	PROJECT NO. PA-1240		CHECKED BY: SJC DATE: 04/18/2025			
SHEET NO. LL-1						



LIGHT POLE FOOTING NOTES

- COMPACTED FILL**
1. ALL FILL SHALL BE PLACED ON VIRGIN SOIL THAT DOES NOT CONTAIN ANY ORGANIC MATTER. BEFORE PROCEEDING WITH ANY FILLING OPERATIONS, STRIP ALL TOPSOIL AND COMPACT THE EXISTING MATERIAL WITH A HEAVY VIBRATORY COMPACTOR MAKING A MINIMUM DRY DENSITY AS DETERMINED BY ASTM D-1557.
 2. COMPACT FILL AND BACKFILL IN MAXIMUM 12" LAYERS (LOOSE) TO AT LEAST 95 PERCENT MAXIMUM MOISTURE DENSITY (ASTM D-1557) UNDER THE SUPERVISION OF A TESTING LABORATORY APPROVED BY THE ARCHITECT/ENGINEER, AND PAID FOR BY THE GENERAL CONSTRUCTION CONTRACTOR.
- FOUNDATION**
1. ALL FOOTINGS SHALL BEAR UPON UNDISTURBED SOIL HAVING MINIMUM BEARING CAPACITY OF 1.50 TONS PER SQUARE FOOT (100 KSF). THIS REQUIRED BEARING CAPACITY TO BE VERIFIED IN FIELD DURING EXCAVATION. IF ANY UNUSUAL CONDITION IS REVEALED, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER IMMEDIATELY. FOUNDATION DESIGN WILL BE MODIFIED IF REQUIRED BY SUCH A SITUATION.
 2. BACKFILLING SHALL BE DONE CAREFULLY WITH SMALL COMPACTION EQUIPMENT AFTER TEMPORARY BRACES AND SUPPORTS ARE PROVIDED. NO TRUCK OR BULLDOZER, ETC. SHALL BE ALLOWED CLOSER THAN SIX (6) FEET TO ANY FOOTING.

- SOILS NOTES**
1. FOOTING DESIGN BASED ON ASSUMED MAXIMUM ALLOWABLE SOILS BEARING CAPACITY OF 2,000 PSF. CONTRACTOR RESPONSIBLE TO VERIFY ADEQUACY OF ASSUMED BEARING CAPACITY PRIOR TO CONSTRUCTION. ENGINEER TO BE NOTIFIED IF INCONSISTENCIES EXIST.
 2. SUBGRADE TO BE FREE OF ORGANICS AND BE SUITABLE COMPACTED MATERIAL.
- CONCRETE NOTES**
1. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS WITH A MINIMUM CEMENT CONTENT OF 600 POUNDS PER CUBIC YARD FOR ALL FOOTINGS.
 2. ALL CONCRETE SHALL HAVE A SLUMP OF NO GREATER THAN 4"; TO WITHIN A TOLERANCE OF 1".
 3. ALL EXPOSED CONCRETE SHALL BE AIR-ENTRAINED 8 PERCENT (WITHIN 1 PERCENT TOLERANCE) CONFORMING TO ASTM C660.
 4. REINFORCING STEEL BARS SHALL BE A MINIMUM ASTM A615, GRADE 60, AND SHALL BE FIELD WELD IN PLACE.
 5. ALL FRAMEWORK AND PLACEMENT CONCRETE SHALL COMPLY WITH GOOD CONSTRUCTION PRACTICES AND BE IN ACCORDANCE WITH ALL LOCAL GOVERNING CODES AND REGULATIONS AS WELL AS THE ACI AND UNIFORM BUILDING CODE.

LIGHTING NOTES

1. ALL VALUES SHOWN ARE HORIZONTAL MAINTAINED FOOTCANDLES AT GRADE.
2. FUTURE DISTRIBUTION TEMPLATES ARE SHOWN AT 1.0 FC AND 0.25 FC FOR REFERENCE USE ONLY.
3. VALUES DO NOT INCLUDE CONTRIBUTION FROM ADJACENT STREET OR PROPERTY LIGHTING.
4. LUMINAIRE POLE MOUNTING HEIGHT SHALL NOT EXCEED 20' FROM GRADE.
5. ALL WALL MOUNT LUMINAIRES SHALL BE INSTALLED HORIZONTALLY, I.E. LUMINAIRE LEVS FACING THE GROUND.
6. LIGHTING SHALL NOT EXCEED 0.5 FOOTCANDLES AT THE LOT LINE.
7. LIGHTING IN PARKING AREAS SHALL PROVIDE NON-GLARE LIGHTS FOCUSED DOWNWARD. LIGHT FIXTURES SHALL NOT BE MOUNTED MORE THAN 25 FEET OR THE HEIGHT OF THE BUILDING, WHICHEVER IS LESS.

STATISTICS				
DESCRIPTION	SYMBOL	AVG	MAX	MIN
CALC ZONE #1	+	1.4 fc	32.0 fc	0.0 fc

LUMINAIRE SCHEDULE

SYMBOL	LABEL	QTY	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	LAMP	NUMBER LAMPS	LUMENS PER LAMP	LIGHT LOSS FACTOR	WATTAGE	MT. HEIGHT
A	A	6	Spaulding	CL1-60L-4K-4	CHARRON CL1	60 LEDs - 4000K - 70 CRI	1	15132.53	.95	135	20' Pole 3" Base
B	B	21	Spaulding	CL1-60L-4K-4	CHARRON CL1	60 LEDs - 4000K - 70 CRI	1	15132.53	.95	135	20' Wall
C	C	6	Spaulding	CL1-60L-4K-4	CHARRON CL1	60 LEDs - 4000K - 70 CRI	1	15132.53	.95	135	10' Wall
D	D	6	American Electric Lighting	ARL 1045670 XXXX 3K R2 PF	AMERICAN REVOLUTION DELUXE LED with R2 distribution Polycarbonate Rain Panel Optic	10 LEDs - 3000K	1	2052.715	1	28	8' Pole Foundation to be flush with grade

- LEGEND**
- PROPERTY LINE
 - ADJACENT LINE
 - JOINTMENT POINT-OF-WAY LINE
 - PERMITS POINT-OF-WAY LINE
 - EDGE OF PAVEMENT
 - EDGE OF TREE LINE
 - EDGE OF GRAVEL/STONE
 - MEADOW BUTTER/DRAINAGE EASEMENT
 - SHOREWATER PIPE
 - WATER MAIN
 - SANITARY SINKER LINE
 - OVERHEAD ELECTRIC LINE
 - FENCE
 - CONCRETE SIDEWALK
 - SANITARY MANHOLE
 - SANITARY CLEANOUT
 - UTILITY POLE
 - FIRE HYDRANT
 - WATER VALVE
 - STORMWATER INLET
 - FORESTED MEADOW
 - PERMANENT/INTERMITTENT STREAM
 - PERMANENT STREAM
 - SHOREWATER LINE
 - EDGE OF TREE LINE
 - CONCRETE CURB
 - CONCRETE SIDEWALK
 - POLE MOUNTED LIGHT
 - WALL MOUNTED LIGHT
 - RETAINING WALL
 - MEADOW BUTTER/DRAINAGE EASEMENT

DATE: 04/18/2023
SCALE: 1"=30'
PROJECT NO: PA-1240
SHEET NO: LL-2

NO. REVISIONS

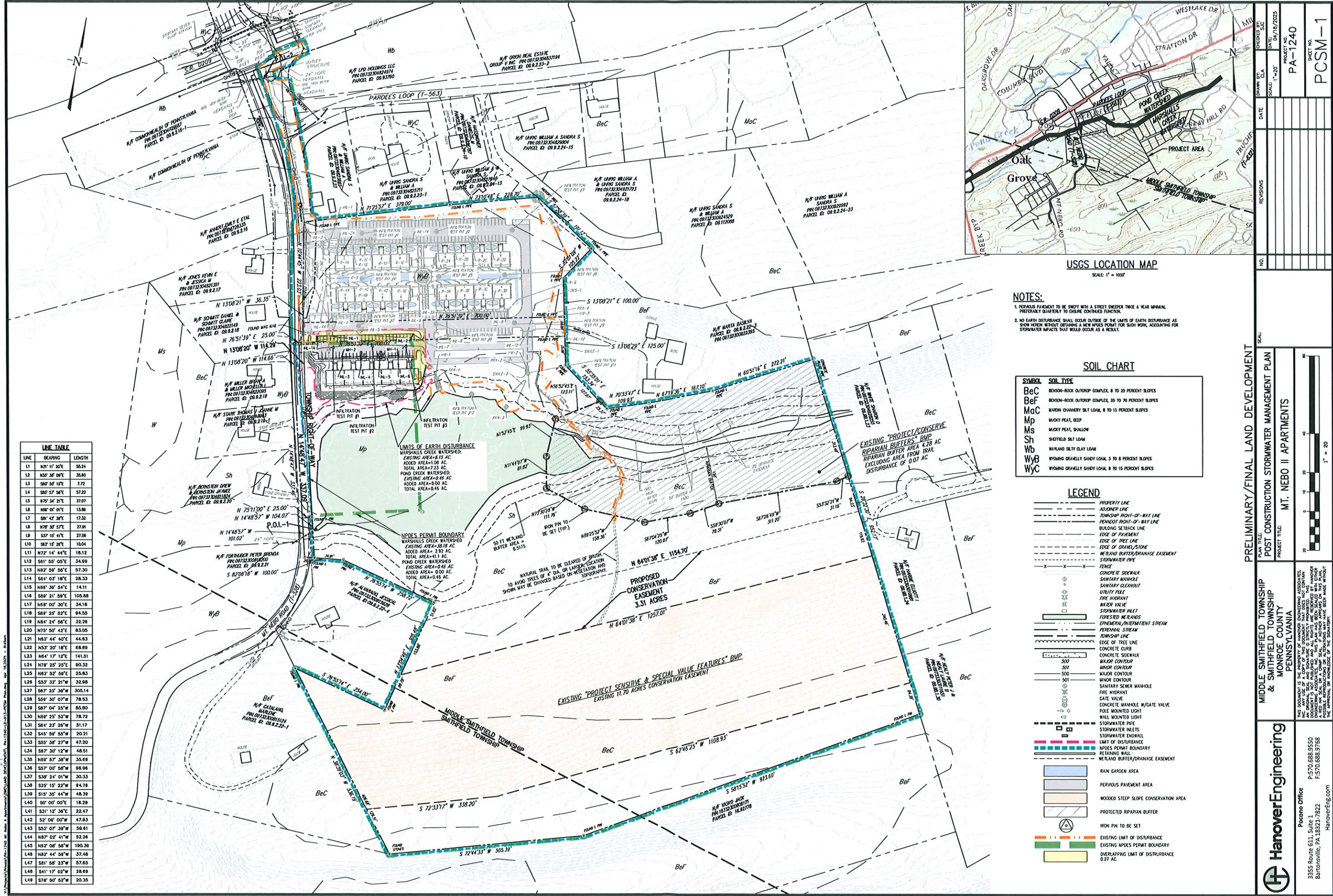
PLAN TITLE: LIGHTING PLAN & DETAILS
PROJECT TITLE: MT. NEBO II APARTMENTS

MIDDLE SMITHFIELD TOWNSHIP & SMITHFIELD TOWNSHIP
MONROE COUNTY
PENNSYLVANIA

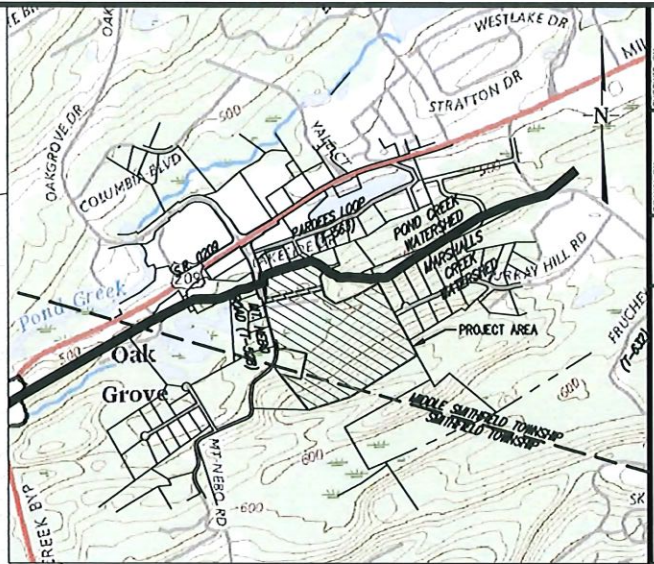
PRELIMINARY/FINAL LAND DEVELOPMENT

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LINE TABLE		
LINE	BEARING	LENGTH
L1	N 20° 11' 20"E	55.24
L2	N 50° 36' 00"E	35.80
L3	S 80° 50' 10"E	7.72
L4	S 80° 57' 50"E	57.22
L5	N 75° 34' 21"E	37.07
L6	N 66° 04' 01"E	13.88
L7	S 81° 42' 30"E	17.32
L8	N 70° 37' 57"E	27.91
L9	S 37° 15' 41"E	27.06
L10	S 82° 15' 30"E	10.04
L11	N 72° 14' 44"E	18.12
L12	S 61° 55' 05"E	34.69
L13	N 83° 59' 50"E	57.30
L14	S 64° 03' 18"E	28.33
L15	N 88° 34' 54"E	14.11
L16	S 88° 21' 59"E	105.08
L17	N 68° 00' 30"E	34.18
L18	S 88° 25' 52"E	94.55
L19	N 84° 24' 59"E	32.28
L20	N 75° 50' 42"E	83.05
L21	N 83° 44' 40"E	44.83
L22	N 53° 20' 18"E	68.89
L23	N 64° 17' 12"E	141.51
L24	N 78° 25' 25"E	90.32
L25	N 83° 52' 59"E	25.83
L26	S 53° 32' 21"W	32.98
L27	S 87° 25' 39"W	305.14
L28	S 59° 00' 07"W	78.53
L29	S 87° 04' 25"W	85.00
L30	N 88° 25' 52"W	78.72
L31	S 64° 23' 26"W	51.17
L32	S 45° 59' 55"W	20.21
L33	S 55° 38' 27"W	47.20
L34	S 87° 30' 12"W	48.51
L35	N 89° 57' 38"W	35.08
L36	S 57° 00' 58"W	98.98
L37	S 38° 24' 01"W	30.33
L38	S 25° 15' 22"W	84.78
L39	S 18° 35' 44"W	48.38
L40	S 0° 00' 00"W	18.29
L41	S 31° 12' 36"E	22.47
L42	S 2° 00' 00"W	47.83
L43	S 53° 07' 39"W	50.61
L44	N 87° 02' 41"W	52.26
L45	N 82° 08' 58"W	180.38
L46	N 82° 44' 59"W	37.48
L47	S 81° 58' 23"W	57.65
L48	S 41° 17' 02"W	28.69
L49	S 78° 50' 52"W	20.35



NOTES:
1. PERVIOUS PAVEMENT TO BE SWEPT WITH A STREET SWEEPER TWICE A YEAR MINIMUM, PREFERABLY QUARTERLY TO ENSURE CONTINUED FUNCTION.
2. NO EARTH DISTURBANCE SHALL OCCUR OUTSIDE OF THE LIMITS OF EARTH DISTURBANCE AS SHOWN HEREIN WITHOUT OBTAINING A NEW PERMIT FOR SUCH WORK, ACCOUNTING FOR STORMWATER IMPACTS THAT WOULD OCCUR AS A RESULT.

SOIL CHART	
SYMBOL	SOIL TYPE
BeC	BOSCH-RUCK OUTCROP COMPLEX, 8 TO 25 PERCENT SLOPES
BeF	BOSCH-RUCK OUTCROP COMPLEX, 25 TO 70 PERCENT SLOPES
MaC	MARION CHANNERY SILT LOAM, 8 TO 15 PERCENT SLOPES
Ms	MUCKY PEAT, DEEP
Sh	MUCKY PEAT, SHALLOW
Wb	SHETFIELD SILT LOAM
WyB	WYOMING SILTY CLAY LOAM
Wyc	WYOMING GRAVELLY SANDY LOAM, 3 TO 8 PERCENT SLOPES
	WYOMING GRAVELLY SANDY LOAM, 8 TO 15 PERCENT SLOPES

LEGEND	
	PROPERTY LINE
	ADJOINING LINE
	TOWNSHIP RIGHT-OF-WAY LINE
	PERMANENT RIGHT-OF-WAY LINE
	BUILDING SETBACK LINE
	EDGE OF PAVEMENT
	EDGE OF FREE LINE
	EDGE OF GRAVEL/STONE
	WETLAND BUFFER/DRAINAGE EASEMENT
	STORMWATER PIPE
	FENCE
	CONCRETE SIDEWALK
	SANITARY MANHOLE
	SANITARY CLEANOUT
	UTILITY POLE
	FIRE HYDRANT
	WATER VALVE
	STORMWATER INLET
	FORESTED WETLANDS
	EPHEMERAL/INTERMITTENT STREAM
	PERENNIAL STREAM
	TOWNSHIP LINE
	EDGE OF TREE LINE
	CONCRETE CURB
	CONCRETE SIDEWALK
	MAJOR CONTOUR
	MINOR CONTOUR
	SANITARY SEWER MANHOLE
	FIRE HYDRANT
	GATE VALVE
	CONCRETE MANHOLE w/GATE VALVE
	POLE MOUNTED LIGHT
	WALL MOUNTED LIGHT
	STORMWATER PIPE
	STORMWATER INLET
	STORMWATER ENDWALL
	LIMIT OF DISTURBANCE
	WETLAND BUFFER/DRAINAGE EASEMENT
	RAIN GARDEN AREA
	PERVIOUS PAVEMENT AREA
	WOODED STEEP SLOPE CONSERVATION AREA
	PROTECTED RIPARIAN BUFFER
	IRON PIN TO BE SET
	EXISTING LIMIT OF DISTURBANCE
	EXISTING APDES PERMIT BOUNDARY
	OVERLAPPING LIMIT OF DISTURBANCE
	0.27 AC

PRELIMINARY/FINAL LAND DEVELOPMENT

PLAN TITLE
POST CONSTRUCTION STORMWATER MANAGEMENT PLAN

PROJECT TITLE
MT. NEBO II APARTMENTS

SCALE
1" = 20'

DATE
04/18/2025

PROJECT NO.
PA-1240

SHEET NO.
PCSM-1

MIDDLE SMITHFIELD TOWNSHIP
& SMITHFIELD TOWNSHIP
MONROE COUNTY
PENNSYLVANIA

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GENERAL MAINTENANCE SCHEDULE FOR STORMWATER MANAGEMENT BMPs

Frequency	Maintenance Activity	Remedy
Weekly or when needed	1. MOW LAWN AREAS - MOW WHEN NEEDED +2. CHECK FOR DAMAGE TO VEGETATED AREAS +3. CHECK FOR BIRDS OR OTHERS +4. CHECK FOR STANDING WATER IN DETENTION & INFILTRATION BMPs 72 HOURS AFTER STORM	1. DO NOT CUT SHORTER THAN RECOMMENDED - TURF COULD DIE OFF 2. DO NOT CUT SHORTER THAN RECOMMENDED - TURF COULD DIE OFF 3. RE-GRASS AND RE-SEED AFFECTED AREAS 4. FILL INFILTRATION AREA TO A DEPTH OF 6" AND RE-SEED
Monthly	1. MOW DETENTION 2. MINIMAL MOWING OF VEGETATION IN VEGETATED SHOULDS	1. WATER, WEED, AND SEED/PERMANENT AS NECESSARY 2. MOW VEGETATION IN SHOULDS TO 8 INCHES MINIMUM HEIGHT
Every 3 months	1. REMOVE SEDIMENT, TRASH, AND DEBRIS AROUND FACILITY 2. REMOVE INVASIVE WEEDS AROUND FACILITY +3. CHECK FOR STANDING WATER IN SHOULDS AND BURNS +4. CHECK FOR MOSQUITO-BREEDING HABITATS 5. CHECK FOR ANIMAL BURNING AROUND FACILITY 6. CHECK BASIN PAVING FOR SEEPAGE AND SETTLING	1. RAKE OR PICK UP SEDIMENT, TRASH, AND DEBRIS 2. REMOVE WEEDS AND RE-SEED WHERE NECESSARY 3. REGRADE FLAT SPOTS IF THIS DOES NOT WORK, PROVIDE POSITIVE SLOPE WITH FILL 4. REMOVE MOSQUITO-BREEDING HABITATS, INCLUDING WATER FILLED DEBRIS 5. REMOVE ANIMAL PRESENCE, FILL IN BURNING, REGRADE, AND RE-SEED 6. REMOVE CAUSE OF SEEPAGE, PAVING, AND/OR SETTLING, RESEED AREA
Every 6 months	1. FERTILIZE LAWN AREA 2. CHECK FOR TREES AND WOODY VEGETATION AROUND FACILITY 3. MAINTENANCE OF STORMWATER STRUCTURES	1. NOT APPLICABLE 2. REMOVE VEGETATION, INCLUDING ROOTS, FILL-IN AND RE-SEED WHERE NECESSARY 3. REMOVE PLANTWALLS, OIL, AND GREASE AND DISPOSE AT APPROPRIATE SITE AND REMOVE SEDIMENT WHEN DEPTH OF SEDIMENT ACCUMULATION IS 3" OR 1' DEPTH OF SUMP 4. FILL-IN SETTLED AREA, REGRADE, AND RE-SEED AREA 2. REMOVE DEBRIS AND SEDIMENT AS NECESSARY 3. WATER, WEED, SEED/PERMANENT, AND MOW AS NECESSARY
Every 12 months	1. CHECK FOR SETTLING AROUND FACILITY 2. INSPECT CLEAN OUT PORTS & OUTLET STRUCTURES 3. INSPECT FOR PROPER VEGETATION GROWTH AND MAINTAIN BIRCH COVER	

* ALSO AFTER EVERY MAJOR STORM EVENT (1" MINIMUM DEPTH)

MAINTENANCE AND OPERATION SCHEDULE FOR STORMWATER MANAGEMENT BMPs:

MUNICIPAL INSPECTIONS:

Frequency	Maintenance Activity
During Construction	1. INSPECT SUB GRADE PREPARATION OF PERVIOUS PAVEMENT 2. INSPECT STONE BASE COURSE INSTALLATION OF PERVIOUS PAVEMENT 3. INSPECT FINISH GRADE OF PERVIOUS PAVEMENT
After Construction	1. INSPECT STORMWATER FACILITIES ONCE PER YEAR AND AFTER STORM EVENTS EXCEEDING 1-INCH

OPERATION & MAINTENANCE:

PERVIOUS PAVEMENT
+ MAINTAIN ADJACENT PLANTED AREAS TO AVOID EROSION OF SOIL DUE TO PERVIOUS PAVEMENT. INSPECT ADJACENT VEGETATION QUARTERLY FOR ANY DAMAGED/PAVE SPOTS OR EXPOSED AREAS. RE-SEED/RE-VEGETATE THESE AREAS IMMEDIATELY. + DO NOT ALLOW CONSTRUCTION STAGING, SOIL/MATERIAL STORAGE, ETC. ON AN UNIMPROVED PERVIOUS PAVEMENT SURFACE. + REGULARLY REMOVE TRASH AND OTHER LITTER + IMMEDIATELY CLEAN ANY DEPOSITED SOIL FROM PERVIOUS PAVEMENT. + VACUUM PERVIOUS PAVEMENT BIWEEKLY TO QUARTERLY WITH A COMMERCIAL CLEANING UNIT. + DO NOT APPLY SAND OR CHEESES ON PERVIOUS PAVEMENT FOR WINTER STORMS + SHOW FLOW SHOULD BE SET SLIGHTLY HIGHER THAN USUAL FOR EXPOSED AREAS.

BMP 6.4.1 PERVIOUS PAVEMENT NOTES:

GENERAL NOTES AND SPECIFICATIONS

THE FOLLOWING NOTES AND SPECIFICATIONS HAVE BEEN TAKEN FROM THE PENNSYLVANIA STORMWATER BEST MANAGEMENT PRACTICES MANUAL, DATED DECEMBER 30, 2004.

1. STONE FOR INFILTRATION BEDS SHALL BE 3-INCH TO 1-INCH UNIFORMITY GRADED COARSE AGGREGATE, WITH A WASH LOSS OF NO MORE THAN 0.5% ASHTO SIZE NUMBER 3 PER ASHTO SPECIFICATIONS, PART 1, WITH CD, 1998, OR LATER AND SHALL HAVE Voids OF 40% AS MEASURED BY ASTM-C625. CHOKER BASE COURSE AGGREGATE FOR BEDS SHALL BE 1" TO 1 1/2" UNIFORMITY GRADED COARSE AGGREGATE ASHTO SIZE NUMBER 27 FOR USE 4. ASHTO SPECIFICATIONS, PART 1, WITH CD, 1998.

2. THE INFILTRATION BED LAYER SHALL BE 1" NON-WOVEN GEOTEXTILE PLACED ON UNCOMPACTED SUBGRADE. THE NON-WOVEN GEOTEXTILE SHALL CONSIST OF REINFORCED POLYESTER/POLYPROPYLENE FIBERS AND MEET THE FOLLOWING PROPERTIES:

A. GRAIN TENSILE STRENGTH (ASTM-D4832), GREATER THAN 120 LBS

B. HULLON BURST STRENGTH (ASTM-D3783), GREATER THAN 225 PSF

C. FLOW RATE (ASTM-D4831), GREATER THAN 100 GPM/FT²

D. UV RESISTANCE AFTER 500 HRS (ASTM-D4365), 70%

E. HEAT-SET OR HEAT-CALCINATED FIBERS ARE NOT PERMITTED. ACCEPTABLE TYPES INCLUDE MVRN 140N, ANKOD 4547, AND GEOTEX 451

3. PILES SHALL BE CONTINUOUSLY PERFORATED, SMOOTH INTERIOR, WITH A MINIMUM INSIDE DIAMETER OF 8-INCHES. HIGH-DENSITY POLYETHYLENE (HDPE) PIPE SHALL MEET ASHTO M22, TYPE 3 OR ASHTO M28, TYPE 2.

4. BIRMINGHAM SURFACE COURSE FOR PERVIOUS PAVING SHOULD BE TWO AND ONE-HALF (2.5) INCHES THICK WITH A BIRMINGHAM MIX OF STONE TO BE BY MOIST DRY AGGREGATE. IN ACCORDANCE WITH ASTM D693, DRAIN DOWN OF THE BINDER SHALL BE NO GREATER THAN 0.3%. IF MORE ADHESIVE AGGREGATES SUCH AS URETHANE, ARE USED IN THE MIX, THEN THE AMOUNT OF DRAINAGE IS TO BE BASED ON THE TESTING PROCEDURES OUTLINED IN THE NATIONAL ASPHALT PAVEMENT ASSOCIATION'S INFORMATION SERIES 131 - "PERVIOUS ASPHALT PAVEMENTS" (2003) OR PONDOT EQUIVALENT.

USE HEAT ASPHALT BINDER MODIFIED WITH AN ELASTOMERIC POLYMER TO PRODUCE A BINDER MEETING THE REQUIREMENTS OF PG 76-22 AS SPECIFIED IN ASHTO MP-1. THE ELASTOMERIC POLYMER SHALL BE STYRENE-BUTADIENE-STYRENE (SBS), OR APPROVED EQUAL, APPLIED AT A RATE OF 1.5% BY WEIGHT OF THE TOTAL BINDER. THE CONCRETE MATERIALS SHALL BE THOROUGHLY BLENDED AT THE ASPHALT PLANT OR TERMINAL PRIOR TO BEING LOADED INTO THE TRANSPORT VEHICLE. THE POLYMER MODIFIED ASPHALT BINDER SHALL BE HEAT AND STORAGE STABLE.

AGGREGATE SHALL BE MINIMUM 90% CRUSHED MATERIAL AND HAVE A GRADATION OF:	PERVIOUS PAVING
ALL STANDARD SIZE SIZE	
1 (12.5 mm)	100
2 (6.3 mm)	92-98
4 (3.75 mm)	34-40
8 (2.36 mm)	14-20
16 (1.18 mm)	7-13
30 (0.60 mm)	4-6
200 (0.075 mm)	0-2

ADD HYDRATED LIME AT A DOSAGE RATE OF LBS BY WEIGHT OF THE TOTAL DRY AGGREGATE TO MIXES CONTAINING QUARTZ. HYDRATED LIME SHALL MEET THE REQUIREMENTS OF ASTM C917. THE AGGREGATE MUST BE ABLE TO PREVENT THE SEPARATION OF THE ASPHALT BINDER FROM THE AGGREGATE AND ACHIEVE A REQUIRED TENSILE STRENGTH RATIO (TSR) OF AT LEAST 80% ON THE ASPHALT MIX WHEN TESTED IN ACCORDANCE WITH ASHTO T283. THE ASPHALT MIX SHALL BE TESTED FOR ITS RESISTANCE TO STRIPPING BY WATER IN ACCORDANCE WITH ASTM D-1654. IF THE ESTIMATED COATING AREA IS NOT ABOVE 95%, ANTI-STRIPPING AGENTS SHALL BE ADDED TO THE ASPHALT.

PERVIOUS PAVEMENT SHALL NOT BE INSTALLED ON WET SURFACES OR WHEN THE AMBIENT AIR TEMPERATURE IS 50 DEGREES FAHRENHEIT OR LOWER. THE TEMPERATURE OF THE BIRMINGHAM MIX SHALL BE BETWEEN 300 DEGREES FAHRENHEIT AND 350 DEGREES FAHRENHEIT (BASED ON THE RECOMMENDATIONS OF THE ASPHALT SUPPLIER).

SEQUENCE OF CONSTRUCTION

1. DUE TO THE NATURE OF CONSTRUCTION SITES, PERVIOUS PAVEMENT AND OTHER INFILTRATION MEASURES SHOULD BE INSTALLED TOWARD THE END OF THE CONSTRUCTION PERIOD, IF POSSIBLE. ONCE THE SITE IS STABILIZED AND SEDIMENT STORAGE IS NO LONGER REQUIRED, THE BED IS LOCATED TO ITS FINAL GRADE AND THE PERVIOUS PAVEMENT SYSTEM IS INSTALLED.
2. THE EXISTING SUBGRADE UNDER THE BED AREAS SHOULD NOT BE COMPACTED OR SUBJECT TO EXCESSIVE CONSTRUCTION EQUIPMENT TRAFFIC PRIOR TO GEOTEXTILE AND STONE BED PLACEMENT. METHODS TO MINIMIZE COMPACTION OF INFILTRATION AREAS INCLUDES WORKING FROM THE PERIMETER AND WORKING ON TOP OF INSTALLED STONE OR EXISTING GRADE. CONSTRUCTION TRAFFIC SHOULD AVOID THESE AREAS TO THE GREATEST EXTENT PRACTICABLE.
3. WHERE EROSION OF SUBGRADE HAS CAUSED ACCUMULATION OF FINE MATERIALS AND/OR SURFACE POHONG, THIS MATERIAL SHALL BE REMOVED WITH LIGHT EQUIPMENT AND THE UNDERLYING SOILS SCARIFIED TO A MINIMUM DEPTH OF 6 INCHES WITH A YORK RAKE (OR EQUIVALENT) AND LIGHT TRACTOR. ALL THE GRADING SHALL BE DONE BY HAND. ALL BED BOTTOMS SHOULD BE AT A LEVEL GRADE.
4. EARTHEN BERMS (IF USED) BETWEEN INFILTRATION BEDS SHOULD BE LEFT IN PLACE DURING EXCAVATION. THESE BERMS DO NOT REQUIRE COMPACTION IF PROPER STABLE DURING CONSTRUCTION.
5. GEOTEXTILE AND BED AGGREGATE SHOULD BE PLACED IMMEDIATELY AFTER APPROVAL OF SUBGRADE PREPARATION. GEOTEXTILE SHOULD BE PLACED IN ACCORDANCE WITH MANUFACTURER'S STANDARDS AND RECOMMENDATIONS. ADJACENT STRIPS OF GEOTEXTILE SHOULD OVERLAP A MINIMUM OF 18 IN. IT SHOULD ALSO BE SECURED AT LEAST 4 FT. OUTSIDE OF BED IN ORDER TO PREVENT ANY RUNOFF OR SEDIMENT FROM ENTERING THE STORAGE BED. THIS EXISTING STOP SHOULD REMAIN IN PLACE UNTIL ALL BASE SOILS CONTIGUOUS TO BEDS ARE STABILIZED AND VEGETATED. AS THE SITE IS FULLY STABILIZED, EXCESS GEOTEXTILE ALONG BED EDGES CAN BE CUT BACK TO BED EDGE.
6. CLEAN (WASHED) UNIFORMITY GRADED AGGREGATE IS PLACED IN THE BED IN 8-INCH LIFTS. EACH LAYER SHOULD BE LIGHTLY COMPACTED, WITH THE CONSTRUCTION EQUIPMENT KEPT OFF THE BED BOTTOM AS MUCH AS POSSIBLE. ONCE BED AGGREGATE IS INSTALLED TO THE DESIRED GRADE, A +/- 1 IN LAYER OF CHOKER BASE COURSE (ASHTO #57) AGGREGATE SHOULD BE INSTALLED UNIFORMLY OVER THE SURFACE IN ORDER TO PROTECT AN EVEN SURFACE FOR PAVING.
7. UPON COMPLETION OF FINISHING COURSE OF PERVIOUS PAVEMENT, VACUUM THE SURFACE WITH A VACUUM TRUCK.

CRITICAL STAGES

- A LICENSED PROFESSIONAL OR DESIGNED SHALL BE PRESENT FOR THE FOLLOWING CRITICAL STAGES OF CONSTRUCTION FOR THE PERVIOUS PAVEMENT.
1. SUBGRADE PREPARATION
 - A. VERIFICATION OF EXCAVATION TO PROPOSED INVERT DEPTH
 - B. VERIFICATION OF LINER INSTALLATION
 2. INSTALLATION OF UNDERDRAIN
 - A. VERIFICATION OF PROPOSED INVERT DEPTH
 - B. VERIFICATION OF PIPE TYPE AND SIZE
 3. PLACEMENT OF BED AGGREGATE
 - A. VERIFICATION OF STONE DEPTH AND TYPE
 - B. VERIFICATION OF CHOKER COURSE
 4. VERIFICATION OF STONE DEPTH AND TYPE
 5. PLACEMENT OF PERVIOUS PAVEMENT
 - A. VERIFICATION OF PAVEMENT MIX
 - B. VERIFICATION OF DEPTH
 6. PERMEABILITY TEST

RESPONSIBLE PARTY

1. DURING CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR THE OPERATION AND MAINTENANCE OF THE PERVIOUS PAVEMENT.
2. ONCE ALL CONSTRUCTION HAS BEEN COMPLETED, THE PROPERTY OWNER WILL BECOME RESPONSIBLE FOR THE OPERATION AND MAINTENANCE OF THE PERVIOUS PAVEMENT.

SEQUENCE OF CONSTRUCTION

1. STAKEOUT THE LIMITS OF EARTH DISTURBANCE, CLEAR AND GRUB THE AREA.
2. PREPARE GRADING UNDER WHERE PROPOSED FILTER SOCKS ARE SHOWN BY REMOVING LEAVES AND DEBRIS.
3. INSTALL COMPOST FILTER SOCKS CS-1 THROUGH CS-3.
4. INSTALL ROCK CONSTRUCTION ENTRANCE ROCE-1 AT PROPOSED SITE ENTRANCE.
5. DEMOLISH SITE FEATURES AS EXPOSED ON THE PLANS.
6. COMPLETE SITE EARTHWORK UNTIL FINISH FINAL GRADE IS ACHIEVED, EXCEPTING PARKING LOT, TAKE CARE NOT TO COMPACT UNDERLYING SOILS IN PARKING LOT AREA.
7. INSTALL SANITARY TRENCH RUN FROM CX-101 TO CX-102. DISURE THAT ALL TRENCH EXCAVATION IS BACKFILLED AND STABILIZED AFTER EACH CONSTRUCTION PERIOD.
8. INSTALL WATER LINE FROM EXISTING CONNECTION TO PROPOSED CONNECTION AS SHOWN ON THE PLAN. DISURE THAT ALL TRENCH EXCAVATION IS BACKFILLED AND STABILIZED AFTER EACH CONSTRUCTION PERIOD.
9. CONSTRUCTION OF FOUNDATION AND APARTMENT BUILDING MAY COMMENCE AT THIS POINT.
10. INSTALL STORMSEWER RUN FROM CX-101 TO CX-102. DISURE THAT ALL TRENCH EXCAVATION IS BACKFILLED AND STABILIZED AFTER EACH CONSTRUCTION PERIOD.
11. INSTALL STORMSEWER RUN FROM CX-101 TO CX-102, INCLUDING MX-1, MX-2, MX-3, MX-4, MX-5, AND MX-6. DISURE THAT ALL TRENCH EXCAVATION IS BACKFILLED AND STABILIZED AFTER EACH CONSTRUCTION PERIOD.
12. CONSTRUCT THE UNDERDRAIN INFILTRATION BASK, AVOID COMPACTION OF SOILS UNDER PROPOSED INFILTRATION PRACTICES. METHODS TO MINIMIZE COMPACTION OF INFILTRATION AREAS INCLUDES WORKING FROM THE PERIMETER. CONSTRUCTION TRAFFIC SHOULD AVOID THESE AREAS TO THE GREATEST EXTENT PRACTICABLE. THIS STAGE INCLUDES CRITICAL STAGES REQUIRING INSPECTION BY AN ENGINEER OR DESIGNED. REFER TO SPECIFICS IN THE BMP SPECIFIC SEQUENCE. INFILTRATION TESTING SHALL BE CONDUCTED FOR INFILTRATION BED. THE MINIMUM INFILTRATION RATES TESTED MUST BE IN ACCORDANCE WITH THE INFILTRATION RATE USED FOR DESIGN OF THE BMP. TESTING OF THE FINAL INFILTRATION RATE SHALL BE WITNESSED BY A QUALIFIED PROFESSIONAL.
13. INSTALL ELECTRIC AND COMMUNICATION/FOUNDERATIONS FOR LIGHT POSTS.
14. INSTALL CURBING AROUND THE PARKING LOT, STABILIZE THE PARKING LOT AREA WITH A TOP LAYER OF ASHTO #57 AGGREGATE AS SPECIFIED IN THE LAND DEVELOPMENT PLAN DETAILS.
15. STABILIZE GRADED AREAS ACCORDING TO THE SPECIFICATIONS WITHIN THE CSPS PLANS. STABILIZE ALL SLOPES WITH MGS 5-7% EROSION CONTROL MATTING OR AN APPROVED EQUAL SEED AND MULCH.
16. SET ALL ALLEYS TO THE GRADE AND REMOVE ALLEY PROTECTION, ROCK CONSTRUCTION ENTRANCE, AND COMPOST SOCKS UPON ACHIEVING 70% VEGETATION IN ALL NON-PAVED SURFACES.
17. PAVE THE PERVIOUS PARKING LOT WITH PERVIOUS ASPHALT PAVEMENT AS SPECIFIED IN THE LAND DEVELOPMENT PLAN DETAILS, STRIP PARKING LOT AND INSTALL SOPS.

PCSM STANDARD NOTES:

GENERAL

THE MAINTENANCE OF THE STORMWATER FACILITIES ARE THE RESPONSIBILITY OF THE PROPERTY OWNER. 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 DECATED. THE MUNICIPALITY SHALL BE PERMITTED TO INSPECT THE STORMWATER FACILITIES ON, AT LEAST, AN ANNUAL SCHEDULE TO DISURE THAT ANY NECESSARY CORRECTIVE WORK IS PERFORMED IN A TIMELY MANNER.

ANY REVISIONS TO THE PCSM PLAN WILL REQUIRE CONSERVATION DISTRICT APPROVAL.

PERMIT TERMINATION

UPON PERMANENT STABILIZATION OF THE EARTH DISTURBANCE ACTIVITY UNDER §102.22(c)(2) (RELATING TO PERMANENT STABILIZATION), AND INSTALLATION OF BMPs IN ACCORDANCE WITH AN APPROVED PLAN PREPARED AND IMPLEMENTED IN ACCORDANCE WITH §102.4 AND §102.8 (RELATING TO EROSION AND SEDIMENT CONTROL REQUIREMENTS), THE PERMITTEE OR CO-PERMITTEE SHALL SUBMIT A NOTICE OF TERMINATION TO THE DEPARTMENT OR CONSERVATION DISTRICT.

THE NOTICE OF TERMINATION MUST INCLUDE:

- (1) THE FACILITY NAME, ADDRESS AND LOCATION.
- (2) THE OPERATOR NAME AND ADDRESS.
- (3) THE PERMIT NUMBER.
- (4) THE REASON FOR PERMIT TERMINATION.
- (5) IDENTIFICATION OF THE PERSONS WHO HAVE AGREED TO AND WILL BE RESPONSIBLE FOR LONG-TERM OPERATION AND MAINTENANCE OF THE PCSM BMPs IN ACCORDANCE WITH §102.4(c) AND PROOF OF COMPLIANCE WITH §102.4(c)(2).

PCSM REQUIREMENTS

PCSM REPORTING AND RECORDKEEPING. THE PCSM PLAN, INSPECTION REPORTS AND MONITORING RECORDS SHALL BE AVAILABLE FOR REVIEW AND INSPECTION BY THE DEPARTMENT OR THE CONSERVATION DISTRICT.

LICENSED PROFESSIONAL OBSERVATION OF CRITICAL STAGES. A LICENSED PROFESSIONAL, ON A REGULAR BASIS, SHALL BE PRESENT ON-SITE AND BE RESPONSIBLE DURING CRITICAL STAGES OF IMPLEMENTATION OF THE APPROVED PCSM PLAN. THE CRITICAL STAGES MAY INCLUDE THE INSTALLATION OF UNDERDRAIN TREATMENT OR STORAGE BMPs, STRUCTURALLY ENGINEERED BMPs, OR OTHER BMPs AS DEEMED APPROPRIATE BY THE DEPARTMENT OR THE CONSERVATION DISTRICT.

DEED CONSIDERATION. THE PERMITTEE SHALL INCLUDE WITH THE NOTICE OF TERMINATION "RECORD DRAWINGS" WITH A FINAL CERTIFICATION STATEMENT FROM A LICENSED PROFESSIONAL, WHICH READS AS FOLLOWS: "I (NAME) DO HEREBY CERTIFY PURSUANT TO THE PENALTIES OF 18 PA.C.S.A. §1404 TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF, THAT THE ACCOMPANYING RECORD DRAWINGS ACCURATELY REFLECT THE AS-BUILT CONDITIONS, ARE TRUE AND CORRECT, AND ARE IN COMPLIANCE WITH CHAPTER 107 OF THE RULES AND REGULATIONS OF THE DEPARTMENT OF ENVIRONMENTAL PROTECTION AND THAT THE PROJECT SITE WAS CONSTRUCTED IN ACCORDANCE WITH THE APPROVED PCSM PLAN, ALL APPROVED PLAN CHANGES AND ACCEPTED CONSTRUCTION PRACTICES."

- (1) THE PERMITTEE SHALL RETAIN A COPY OF THE RECORD DRAWINGS AS A PART OF THE APPROVED PCSM PLAN.
- (2) THE PERMITTEE SHALL PROVIDE A COPY OF THE RECORD DRAWINGS AS A PART OF THE APPROVED PCSM PLAN TO THE PERSON IDENTIFIED IN THIS SECTION AS BEING RESPONSIBLE FOR THE LONG-TERM OPERATION AND MAINTENANCE OF THE PCSM BMPs.

PCSM LONG TERM OPERATIONS AND MAINTENANCE REQUIREMENTS

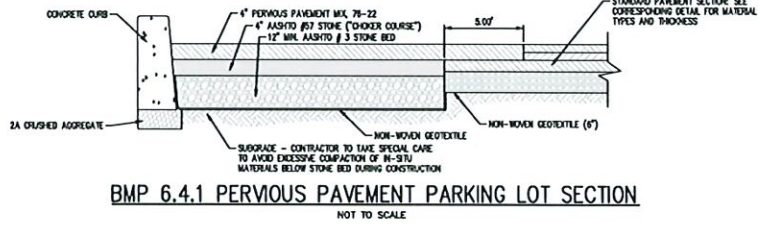
UNTIL THE PERMITTEE OR CO-PERMITTEE HAS RECEIVED WRITTEN APPROVAL OF A NOTICE OF TERMINATION, THE PERMITTEE OR CO-PERMITTEE WILL REMAIN RESPONSIBLE FOR COMPLIANCE WITH THE PERMIT TERMS AND CONDITIONS INCLUDING LONG-TERM OPERATION AND MAINTENANCE FOR ALL PCSM BMPs ON THE PROJECT SITE AND IS RESPONSIBLE FOR VIOLATIONS OCCURRING ON THE PROJECT SITE. THE DEPARTMENT OR CONSERVATION DISTRICT WILL CONDUCT A FINAL INSPECTION AND APPROVE OR DENY THE NOTICE OF TERMINATION WITHIN 30 DAYS.

THE PERMITTEE OR CO-PERMITTEE SHALL BE RESPONSIBLE FOR LONG-TERM OPERATION AND MAINTENANCE OF PCSM BMPs UNLESS A DIFFERENT PERSON IS IDENTIFIED IN THE NOTICE OF TERMINATION AND HAS AGREED TO LONG-TERM OPERATION AND MAINTENANCE OF PCSM BMPs.

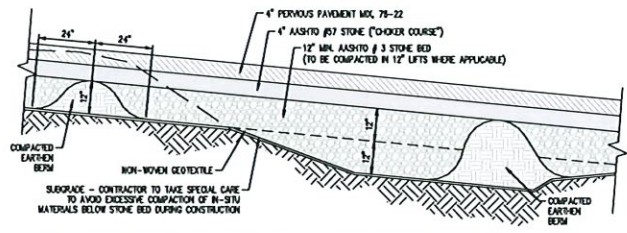
FOR ANY PROPERTY CONTAINING A PCSM BMP, THE PERMITTEE OR CO-PERMITTEE SHALL RECORD AN INSTRUMENT WITH THE RECORDER OF DEEDS WHICH WILL ASSURE DISCLOSURE OF THE PCSM BMP AND THE RELATED OBLIGATIONS IN THE PRIMARY COURSE OF A TITLE SEARCH OF THE SUBJECT PROPERTY. THE RECORDED INSTRUMENT MUST IDENTIFY THE PCSM BMP, PROVIDE FOR NECESSARY ACCESS RELATED TO LONG-TERM OPERATION AND MAINTENANCE FOR PCSM BMPs AND PROVIDE NOTICE THAT THE RESPONSIBILITY FOR LONG-TERM OPERATION AND MAINTENANCE OF THE PCSM BMP IS A COVENANT THAT RUNS WITH THE LAND THAT IS BINDING UPON AND ENFORCEABLE BY SUBSEQUENT GRANTEES, AND PROVIDE PROOF OF FILING WITH THE NOTICE OF TERMINATION UNDER §102.22(c)(2) RELATING TO PERMIT TERMINATION.

THE PERSON RESPONSIBLE FOR PERFORMING LONG-TERM OPERATION AND MAINTENANCE MAY ENTER INTO AN AGREEMENT WITH ANOTHER PERSON INCLUDING A CONSERVATION DISTRICT, NONPROFIT ORGANIZATION, MUNICIPALITY, AUTHORITY, PRIVATE CORPORATION OR OTHER PERSON, TO TRANSFER THE RESPONSIBILITY FOR PCSM BMPs OR TO PERFORM LONG-TERM OPERATION AND MAINTENANCE AND PROVIDE NOTICE THEREOF TO THE DEPARTMENT.

A PERMITTEE OR CO-PERMITTEE THAT FAILS TO TRANSFER LONG-TERM OPERATION AND MAINTENANCE OF THE PCSM BMP OR OTHERWISE FAILS TO COMPLY WITH THIS REQUIREMENT SHALL REMAIN JOINTLY AND SEVERALLY RESPONSIBLE WITH THE LANDOWNER FOR LONG-TERM OPERATION AND MAINTENANCE OF THE PCSM BMPs LOCATED ON THE PROPERTY.



BMP 6.4.1 PERVIOUS PAVEMENT PARKING LOT SECTION



COMPACTED EARTHEN BERM FOR PERVIOUS PAVEMENT

PRELIMINARY/FINAL LAND DEVELOPMENT

POST CONSTRUCTION STORMWATER MANAGEMENT DETAIL SHEET

PLAN TITLE:

PROJECT TITLE:

MT. NEBO II APARTMENTS

SCALE:

NO.:

REVISIONS:

DATE:

CHECKED BY: SJC

DATE: 04/18/2023

SCALE: NOT TO SCALE

PROJECT NO. PA-1240

SHEET NO. PCSM-2

MIDDLE SMITHFIELD TOWNSHIP & SMITHFIELD TOWNSHIP MONROE COUNTY PENNSYLVANIA

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PROJECT NO. PA-1240

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PROJECT NO. PA-1240

SHEET NO. PCSM-2

SCALE: NOT TO SCALE

PROJECT NO. PA-1240

SHEET NO. PCSM-2

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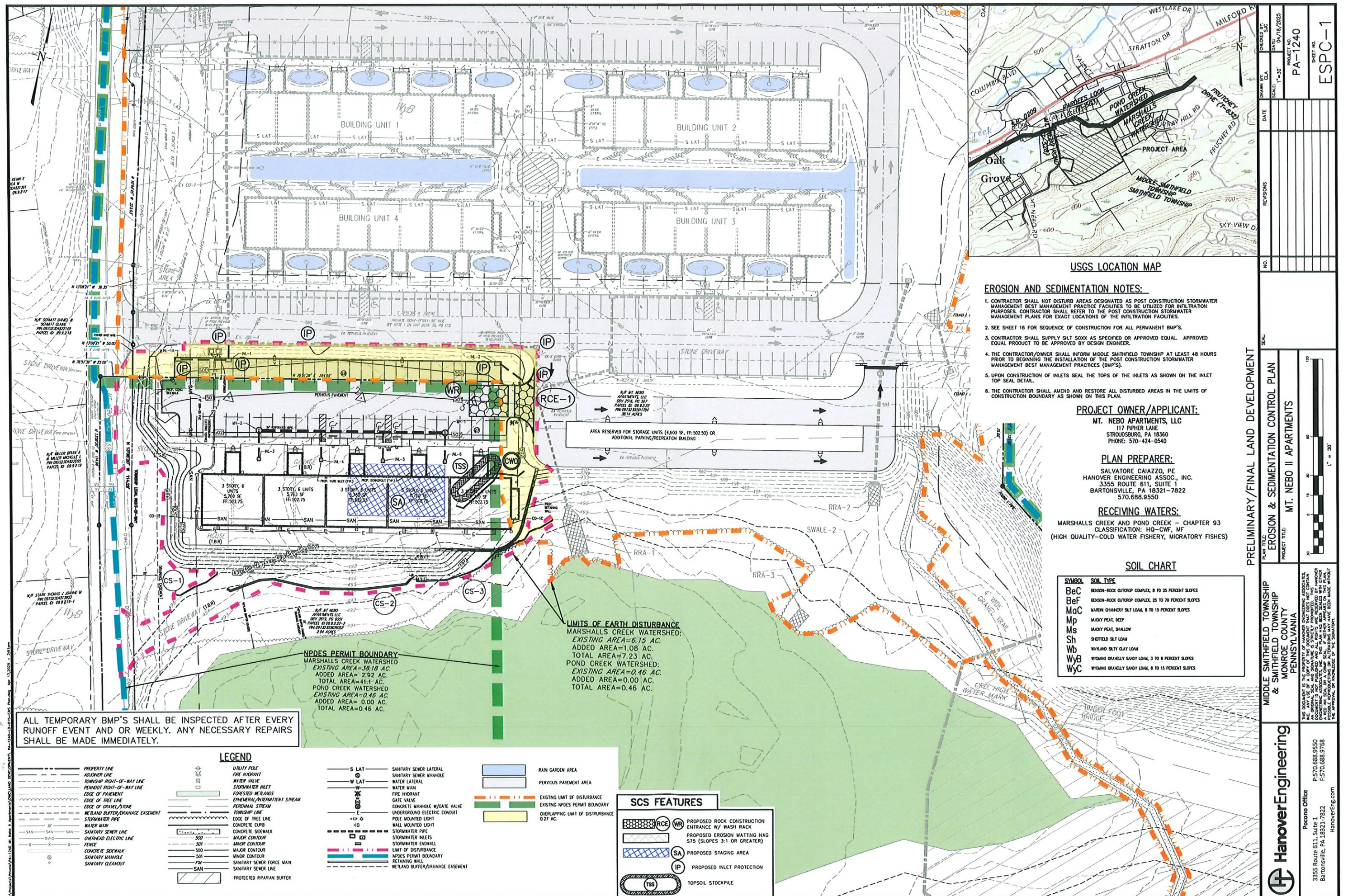
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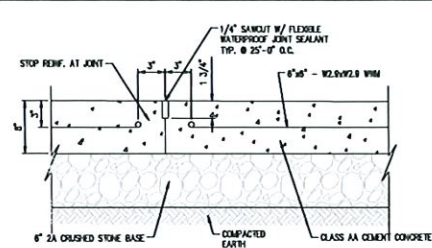
Bartonsville, PA 18321-7822

P:570.688.9550

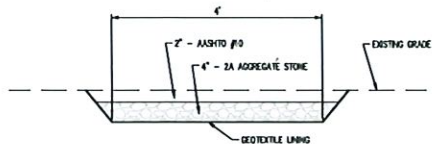
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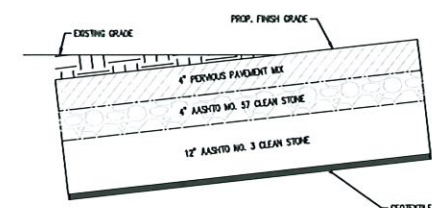




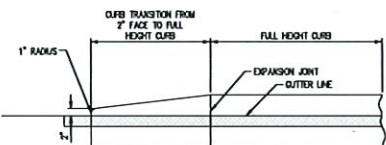
CONCRETE DOLLY PAD
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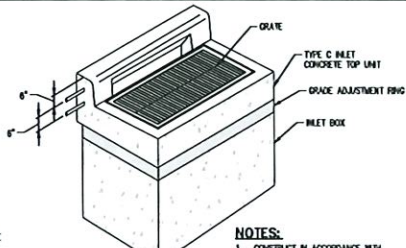
TRAIL CROSS SECTION
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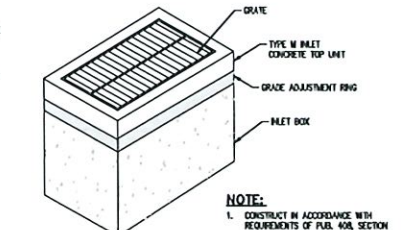
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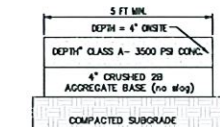
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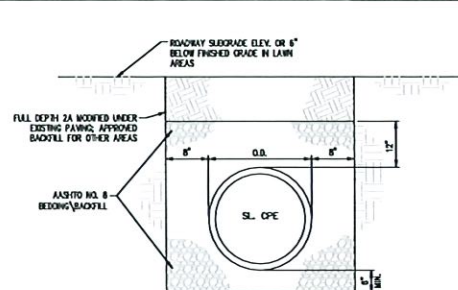
TYPE C INLET
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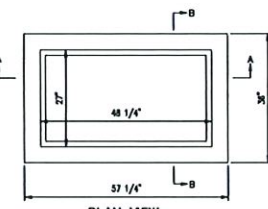
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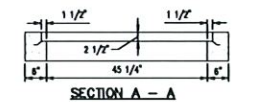
CONCRETE SIDEWALK DETAIL
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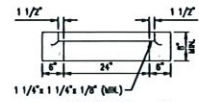
STORM SEWER BEDDING & BACKFILL FOR
CORRUGATED POLYETHYLENE PIPE
NOT TO SCALE



PLAN VIEW



SECTION A - A



SECTION B - B

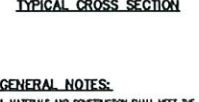
TYPE C INLET CONCRETE TOP UNITS
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PLAN VIEW



SECTION A - A



SECTION B - B

TYPE M INLET CONCRETE TOP UNITS
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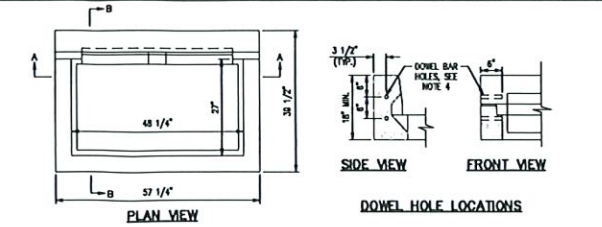
DETAIL A
CONTRACTION JOINT



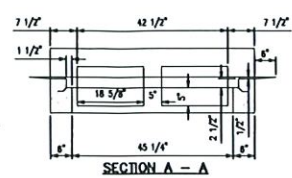
TYPICAL CROSS SECTION



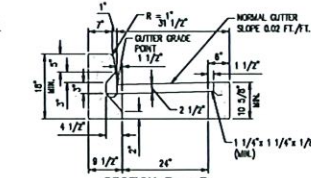
CONCRETE CURB
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DOVEL HOLE LOCATIONS

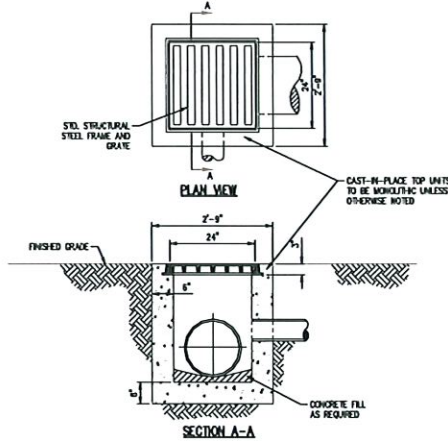


SECTION A - A



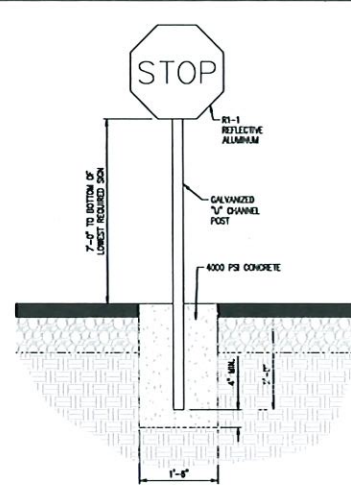
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TYPE C INLET CONCRETE TOP UNITS
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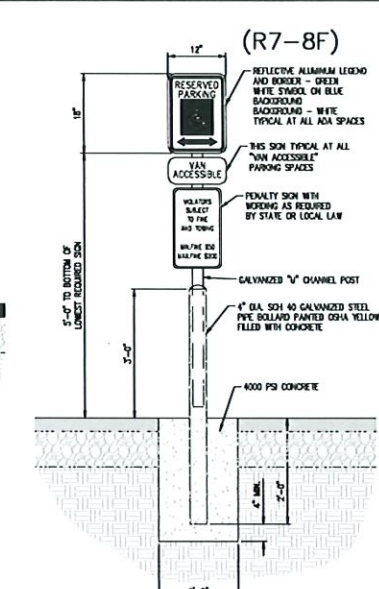


SECTION A-A

STANDARD PRECAST 2'x2' CONCRETE CATCH BASIN
(YARD INLET)
NOT TO SCALE



STOP SIGN DETAIL
NOT TO SCALE



ADA PARKING SIGN
NOT TO SCALE

PRELIMINARY/FINAL LAND DEVELOPMENT

PLAN TITLE: STANDARD CONSTRUCTION DETAIL SHEET

PROJECT TITLE: MT. NEBO II APARTMENTS

MIDDLE SMITHFIELD TOWNSHIP

& SMITHFIELD TOWNSHIP

MONROE COUNTY

PENNSYLVANIA

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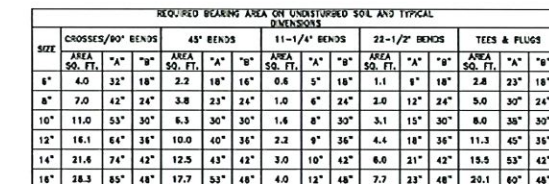
HanoverEng.com

DATE: 04/18/2025

SCALE: NOT TO SCALE

PROJECT NO: PA-1240

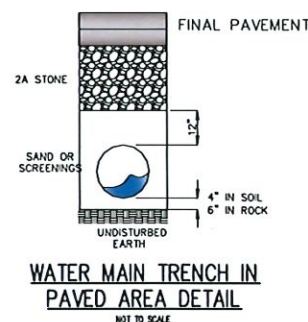
SHEET NO: DET-1



NOTES:

1. COVER OVER TOP OF PIPE SHALL BE BELOW THE FROST LINE OR 30 INCHES, 72" MAXIMUM ACCORDING TO REGULATORY REQUIREMENTS. IF GRADING PLANS RECEIVED BY THE ENGINEER/OWNER WITH THE REQUEST FOR WATER MAINS, INDICATE A DEPTH OF COVER, THE COVER SHALL BE AS SHOWN. IF NOT SHOWN, IT SHALL BE INSTALLED TO MEET MINIMUM AND MAXIMUM COVER FROM PROPOSED GRADES SHOWN ON THE S&P PLANS.
2. THRUST BLOCKS SHALL BE BUILT AGAINST UNDISTURBED SOIL, WITH ADEQUATE BACKFILL TO PREVENT MOVEMENT OF FITTINGS.
3. NO THRUST BLOCKS TO BE PLACED IN SEWER LATERAL DITCHES.
4. THRUST BLOCKING MUST FIT WITH THE EXISTING PIPE.
5. IN SOME CASES, ADDITIONAL RESTRAINT MAY BE REQUIRED BASED ON 150 PSI STATIC PRESSURE, PLUS 50 PSI WATER PRESSURE.
6. POLYETHYLENE ENCASEMENT IS REQUIRED ON ALL D.I. PIPE AND FITTINGS.
7. ALL JOINTS SHALL BE FORMED SHOWN ON THE S&P PLANS. ALL JOINTS ARE ACCESSIBLE.
8. SUFFICIENT CLEARANCE SHALL BE ALLOWED BETWEEN CONNECTIONS AND BOLTS FOR PUMP MAINTENANCE.
9. ALL JOINTS SHALL BE WELDED TO MANHOLE STEEL.
10. ALL M.J. & FLG. FITTINGS TO RECEIVE THRUST BLOCKS SHALL BE WRAPPED IN POLYWRAP. CONTRACTOR SHALL PROVIDE WRAP DETAIL. SEE MANHOLE DETAIL FOR POLYWRAP DETAIL.
11. THRUST BLOCKING DETAILS ARE SHOWN HERE FOR TYPICAL INSTALLATIONS. IN SOME CASES, ADDITIONAL RESTRAINT MAY BE REQUIRED.
12. PORTLAND CEMENT CONCRETE USED FOR THRUST BLOCKS SHALL BE MIN 3000 PSI CONCRETE.
13. ALL JOINTS, CONNECTIONS, CHECK WITH THE ENGINEER/OWNER FOR SPECIAL REQUIREMENTS.
14. FOR PIPE SIZES GREATER THAN 16", SEE ENGINEER FOR THRUST BLOCK JOINTS.

NOT TO SCALE



WATER MAIN TRENCH IN
PAVED AREA DETAIL

NOT TO SCALE

REQUIRED BEARING AREA ON UNDESIGNED SOILS AND TYPICAL DIMENSIONS												
SIZE	CROSSSES/RO' BONDS		45° BONDS		11-1/4" BONDS			22-1/2" BONDS			TEES & PLUGS	
	AREA SQ. FT.	"A" * "B"	AREA SQ. FT.	"A" * "B"	AREA SQ. FT.	"A" * "B"	AREA SQ. FT.	"A" * "B"	AREA SQ. FT.	"A" * "B"	AREA SQ. FT.	"A" * "B"
6"	4.0	32" 18"	2.2	18" 10"	0.6	5" 8"	1.1	9" 18"	2.8	23" 18"		
8"	7.0	42" 24"	3.8	24" 14"	1.0	6" 24"	2.0	12" 24"	5.0	30" 24"		
10"	11.0	53" 30"	6.3	30" 16"	1.6	8" 30"	3.1	15" 30"	8.0	38" 30"		
12"	16.1	64" 36"	10.0	40" 36"	2.2	9" 36"	4.4	18" 36"	11.3	45" 36"		
14"	21.6	74" 42"	12.5	43" 42"	3.0	10" 42"	6.0	21" 42"	15.5	53" 42"		
16"	28.5	85" 48"	17.7	53" 48"	4.0	12" 48"	7.7	23" 48"	20.1	60" 48"		

NOTES:

1. COVER OVER TOP OF PIPE SHALL BE BELOW THE FROST LINE OR 30 INCHES, 72" MAXIMUM ACCORDING TO REGULATORY REQUIREMENTS. IF GRADING PLANS RECEIVED BY THE ENGINEER/OWNER WITH THE REQUEST FOR WATER MAINS, INDICATE A DEPTH OF COVER, THE COVER SHALL BE AS SHOWN. IF NOT SHOWN, IT SHALL BE INSTALLED TO MEET MINIMUM AND MAXIMUM COVER FROM PROPOSED GRADES SHOWN ON THE S&P PLANS.
2. THRUST BLOCKS SHALL BE BUILT AGAINST UNDISTURBED SOIL, WITH ADEQUATE BACKFILL TO PREVENT MOVEMENT OF FITTINGS.
3. NO THRUST BLOCKS TO BE PLACED IN SEWER LATERAL DITCHES.
4. THRUST BLOCKING MOST FIT WITH THE EXISTING PIPE.
5. IN SOME CASES, ADDITIONAL RESTRAINT MAY BE REQUIRED BASED ON 150 PSI STATIC PRESSURE, PLUS 50 PSI WATER PRESSURE.
6. POLYETHYLENE ENCASEMENT IS REQUIRED ON ALL D.I. PIPE AND FITTINGS.
7. ALL FITTINGS SHALL BE FORMED SHOWN ON THE S&P PLANS. ALL JOINTS ARE ACCESSIBLE.
8. SUFFICIENT CLEARANCE SHALL BE ALLOWED BETWEEN CONNECTIONS AND BOLTS FOR PUMP MAINTENANCE.
9. ALL FITTINGS SHALL BE MANUFACTURED STEEL.
10. ALL M.J. & FLG. FITTINGS TO RECEIVE THRUST BLOCKS SHALL BE WRAPPED IN POLYTHANE. CONTRACTOR SHALL PROVIDE WRAP, POLYTHANE, AND THRUST BLOCKS.
11. THRUST BLOCKING DETAILS ARE SHOWN HERE FOR TYPICAL INSTALLATIONS. IN SOME CASES, ADDITIONAL RESTRAINT MAY BE REQUIRED.
12. PORTLAND CEMENT CONCRETE USED FOR THRUST BLOCKS SHALL BE MIN 3000 PSI CONCRETE.
13. ALL FITTINGS, CONNECTIONS, CHECK VALVES, AND OTHER SPECIALTY ITEMS SHALL BE AS SHOWN ON THE S&P PLANS.
14. FOR PIPE SIZES GREATER THAN 16", SEE ENGINEER FOR THRUST BLOCK JOINTS.

NOT TO SCALE