


|    | Bid RFI Log – Nether Providence Public Works Garage  | 28-Apr-23   |
|----|--|---|
|    |  |   |
|    | <i>Question</i>  | <i>Response</i>   |
| 1  | Vinyl Siding Spec  | CertainTeed Main Street line, single 6 1/2", Color TBD  |
| 2  | Garage Door Spec   | Raynor Garage Door - TM200C w/ carbon monoxide vent & (2) 24"x12" vision panels   |
| 3  | Shingle Spec   | Owens Corning - Supreme Line, 25yr warrantee  |
| 4  | Window Spec  | Kolbe Forgent Series  |
| 5  | Attic Access Panel Spec  | The attic access must be a insulated panel, a ladder is not required.   |
| 6  | Exterior Louvers MC or GC  | Please see the attached matrix also found in the bid documents.   |
| 7  | Who is responsible for testing?  | Testing of what particular system(s) are you referring?   |
| 8  | Warranties required for architectural items  | All product warranties are as issued by the manufacturer, contractor shall provide a one year labor warranty for all installations. |
| 9  | If bidding on more than one prime contractor position, how many copies of the bid documents are required?  | One set of bid documents are required for each of the prime contractor positions sought.  |
| 10 | Who is responsible for the shower surround? PC or GC   | General Contractor shall install the surround. Coordinate w/ plumbing contractor.   |
| 11 | Rock construction entrance appears to be located where the existing asphalt Driveway is outside of the full depth pavement restoration scope. Is the intent for this area to receive full depth pavement restoration upon completion of scope? | Yes, it is intended to be full depth and a complete restoration.  |
| 12 | What are the limits of building utility's work?  | Utility companies shall bring primary services to within 5' of the building where trade prime will take responsibilities.           |
| 13 | Does the new door frame in the existing wall have a transom? If so, is it glass or solid panel?  | No transom, door shall be custom to match opening.  |
| 14 | Is door 102A a nine lite ? Door schedule just says type A  | Office exterior door (102A) shall be nine light insulated glass.  |
| 15 | Spec for Meter Pit   | As required and approved by utility company.  |
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|    |   |  |
|    | <i>Question</i>   | <i>Response</i>  |
|    | <b><u>Matrix Clarifications</u></b>   |  |
| 16 | 19. FLOOR DRAINS – None shown on the floor plan only on Sanitary Riser Diagram. | Floor drain for shower is the only low drain.  |
| 17 | 20. TRENCH DRAINS – None shown on the floor plan                                | Not required   |
| 18 | 21. TRENCH SUMP – Not shown   | Not required   |
| 19 | 26. SITE LIGHTS – None Shown  | Not required   |
| 20 | 27. SITE LIGHT CONDUITS – None Shown  | Not required   |
| 21 | 28. SITE LIGHT CIRCUITS – None Shown  | Not required   |
| 22 | 29. SITE POLE BASES – None Shown  | Not required   |
| 23 | 30. SITE EMPTY CONDUITS (FUTURE) – None Shown                                   | Not required   |
| 24 | 32. OIL/WATER INTERCEPTOR (COORD. W/ CIVIL ENG.) – None Shown                   | Not required   |
| 25 | 35. PROJECT SCHEDULE (MPE, F/P) – Should this be by GC                          | Overall schedule shall be GC responsibility, w/ input from other trades.   |
| 26 | 36. PROJECT OFFICE (MPE, F/P) – is one required                                 | Not required   |
| 27 | 38. PROJECT PORTAPOTTY (MPE, F/P) – Spec States GC Responsible                  | GC to provide and maintain   |
| 28 | 39. PROJECT RUBBISH DISPOSAL (MPE, F/P) – Should this be by GC (Dumpsters)      | GC to provide and maintain dumpster, each trade is responsible for clearing their own by-products during construction. |
| 29 | 40. PROJECT FINAL CLEANUP (MPE, F/P) – Should this be by GC                     | Final cleaning shall be GC responsibility, each trade is responsible for clearing their own trash and demo.            |
| 30 | What is the specification for the chain link fence, galvanized or coated?       | The chain link fence shall be galvanized.  |
| 31 | Spec for split face block.  | Fizzano standard color pallet, or approved equal. Color TBD from readily available pallet.                             |
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|    |   |  |

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|-------------|------------|
| DRAWING NO. | 83250-109G |
|-------------|------------|

PA ONE CALL No. 20221363775  
**CALL BEFORE YOU DIG!**  
PENNSYLVANIA LAW REQUIRES  
3 WORKING DAYS NOTICE FOR  
CONSTRUCTION PHASE AND 10 WORKING  
DAYS IN DESIGN STAGE – STOP CALL 8-1-1

Pennsylvania One Call System, Inc.

 **1-800-242-1776**  
**8-1-1 (WITHIN PA.)**

THE LOCATIONS OF ALL UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND MUST BE  
VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO CONSTRUCTION. THE CONTRACTOR  
SHALL CONTACT PA ONE-CALL AT 811 AT LEAST 3-DAYS BEFORE PROCEEDING WITH ANY  
EXCAVATION. IT IS ALSO THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ACCURATE FIELD  
LOCATIONS OF ALL EXISTING UNDERGROUND AND AERIAL UTILITIES FROM BOTH THE UTILITY  
COMPANIES AND/OR BY TEST PITS PRIOR TO BEGINNING WORK. ALL UTILITY SERVICES WITHIN  
THE LIMITS OF WORK MUST ALSO BE FIELD LOCATED PRIOR TO EXCAVATION WORK.  
CONTRACTORS ARE TO IMMEDIATELY NOTIFY THE ENGINEER OF ANY DEVIATIONS FROM THE  
PLAN INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE TO TAKE ALL PREVENTIVE  
MEASURES TO PROTECT THE LINES IN ACCORDANCE WITH THE PA ONE-CALL ACT.

#### MEASUREMENT & PAYMENT FOR ADD ALTERNATIVE BID:

- PROPOSED UNDERGROUND UTILITY SERVICES NEED TO BE INSTALLED AND  
ACCEPTED BY THE OWNER BEFORE PAVEMENT AND A PADOT HOP PERMIT IS  
REQUIRED BEFORE THE ADD ALTERNATIVE BID ITEM IS INSTALLED.
- CONTRACTOR SHALL COORDINATE WITH MUNICIPALITY AND RELOCATE RECYCLE  
BINS TO A TEMPORARY LOCATION ON-SITE. AFTER NEW RECYCLING PAD IS IN  
PLACE, THE CONTRACTOR SHALL RELOCATE CONCRETE BLOCKS FROM RECYCLE BIN  
AREA TO AN AREA ON-SITE PER MUNICIPAL DIRECTION.
- CONTRACTOR SHALL MAINTAIN DRIVEWAY ACCESS TO SITE DURING ENTIRE  
CONSTRUCTION OPERATION.
- EXCAVATION IS UNCLASSIFIED.
- THE LUMP SUM BID FOR ADD ALTERNATIVE SITE PLAN IMPROVEMENTS SHOWN  
ON THIS PLAN WILL INCLUDE, BUT SHALL NOT BE LIMITED TO, FIELD ENGINEERING,  
SITE LAYOUT, SURVEYING, EXCAVATION, SAW CUTTING ASPHALT/CONCRETE,  
REMOVAL & DISPOSAL OF BITUMINOUS ASPHALT/CONCRETE, DE-WATERING,  
EROSION CONTROL MEASURES, ROUGH GRADING, FINE GRADING, RESETTling  
VALVE COVERS/GRATES TO FINISH GRADES, HAULING/REMOVAL OF  
POOR/UNSUITABLE OR EXCAVATED MATERIALS, OVER EXCAVATION AND  
INSTALLING CRUSHED STONE BACKFILL IF POOR/UNSUITABLE SUBGRADE  
MATERIAL IS ENCOUNTERED, STOCKPILING, INSTALLING & COMPACTING CRUSHED  
STONE BASE, INSTALLING CONCRETE PADS, CONCRETE FORMWORK, CONCRETE  
CURING, INSTALLING AND COMPACTING BITUMINOUS ASPHALT BASED/BINDER &  
WEARING COURSE, SEAL COATING ALL EDGES/JOINTS, PAVEMENT MARKINGS,  
SIGN INSTALLATION, TRAFFIC CONTROLS, MAINTAINING DRIVEWAY ACCESS,  
INSTALLING TEMPORARY DRIVEWAY ACCESS IF NECESSARY, FENCE REMOVAL,  
TEMPORARY FENCING, PERMANENT FENCE AND GATE INSTALLATION, TOPSOIL  
INSTALLATION, TEMPORARY AND PERMANENT SEEDING, MILLING AND OVERLAY  
OF BITUMINOUS WEARING COURSE, AND ANY INCIDENTAL ITEMS THERETO AS  
REQUIRED TO INSTALL THE IMPROVEMENTS AS SHOWN ON THE PLAN.

COMPANY: CHESTER WATER AUTHORITY  
ADDRESS: 401 FULTON STREET  
PO BOX 467  
CHESTER, PA. 19013  
GENERAL NUMBER: (610) 876-8181  
CONTACT: VITO PAGANO  
EMAIL: VITO.PAGANO@CHESTERWATER.COM

COMPANY: COMCAST  
ADDRESS: 110 SPRINGBROOKE BOULEVARD  
ASTON, PA. 19010  
GENERAL NUMBER: (800) 266-2278  
CONTACT: RICH KAIN  
EMAIL: RICHARD\_KAIN@CABLE.COMCAST.COM

COMPANY: AQUA PENNSYLVANIA  
ADDRESS: 762 W LANCASTER AVENUE  
BRYN MAWR, PA. 19010  
GENERAL NUMBER: (877) 987-2782  
CONTACT: JAMES THORNTON  
EMAIL: JDTHORNTON@AQUAAMERICA.COM

COMPANY: CATANIA ENGINEERING ASSOCIATES INC  
ADDRESS: 520 W MACDADE BLVD  
MILMONT PARK, PA. 19033  
GENERAL NUMBER: (610) 532-2884  
CONTACT: CHARLES CATANIA  
EMAIL: CDCA@CATANIAENGINEERING.COM

COMPANY: PECO ENERGY C/O USIC  
ADDRESS: 450 S HENDERSON RD SUITE B  
KING OF PRUSSIA, PA. 19406  
GENERAL NUMBER: (484) 681-5720  
CONTACT: NIKKIA SIMPKINS  
EMAIL: NIKKIA.SIMPKINS@USICLLC.COM

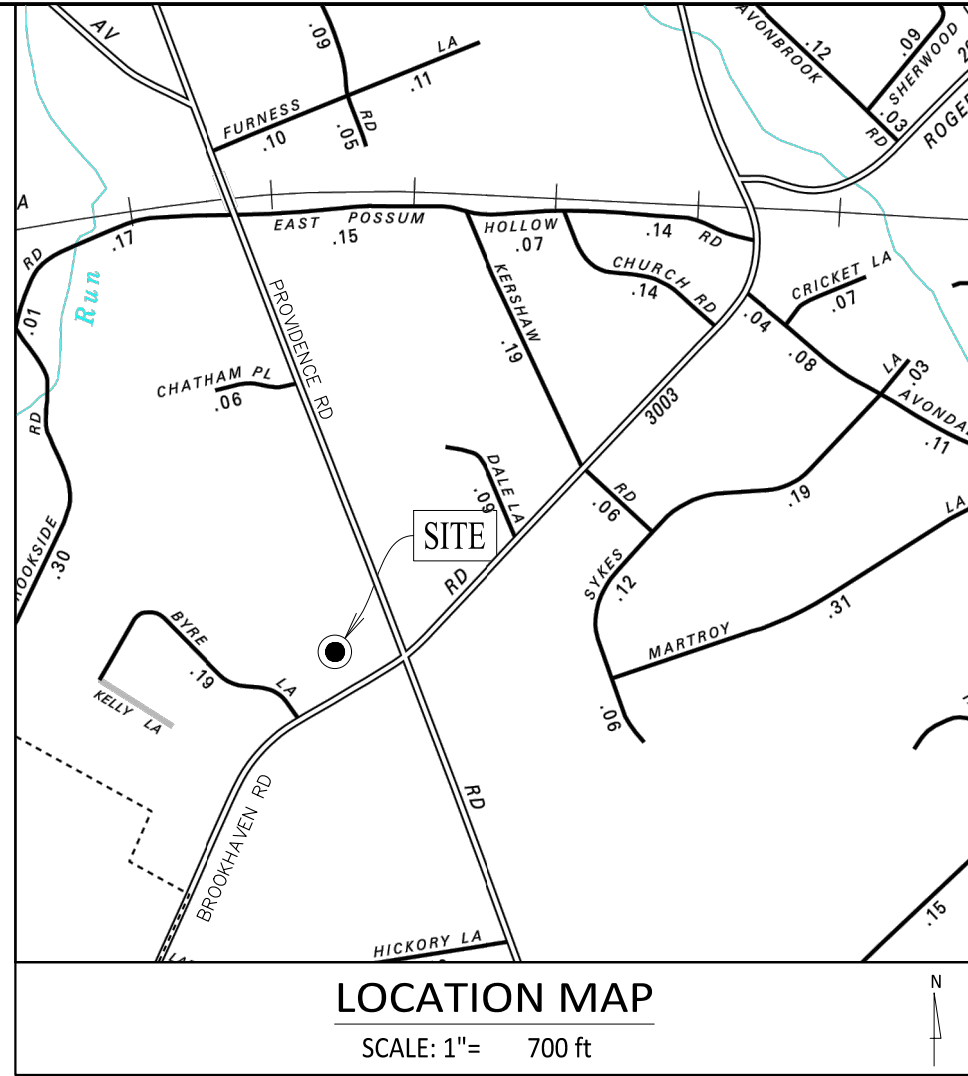
COMPANY: NETHER PROVIDENCE TOWNSHIP  
ADDRESS: 214 SYKES LN  
WALLINGFORD, PA. 19086  
GENERAL NUMBER: (610) 566-4516  
CONTACT: DARRYL DIXON  
EMAIL: DDIXON@NETHERPROVIDENCE.ORG

COMPANY: VERIZON PENNSYLVANIA LLC  
ADDRESS: 1050 VIRGINIA DR  
FORT WASHINGTON, PA. 19033  
GENERAL NUMBER: (855) 805-5200  
CONTACT: DARLINE LEPPERD JOHNSON

#### GENERAL PERMIT NOTES:

- THE EXISTING SPEED LIMIT ON S.R. 3003 IS 35 M.P.H.
- THE RIGHT-OF-WAY IS FREE ACCESS.
- ALL WORK IN PA STATE HIGHWAY RIGHT-OF-WAY IS TO BE PERFORMED CONSISTENT WITH  
THE FOLLOWING.
  - PENNDOT PUBLICATION 13M, DESIGN MANUAL PART 2 – HIGHWAY DESIGN
  - PENNDOT PUBLICATION 34, APPROVED AGGREGATE PRODUCERS (BULLETIN 14)
  - PENNDOT PUBLICATION 35, APPROVED CONSTRUCTION MATERIALS (BULLETIN 15)
  - PENNDOT PUBLICATION 41, PRODUCERS OF BITUMINOUS MATERIALS (BULLETIN 41)
  - PENNDOT PUBLICATION 42, PRODUCERS OF READY-MIX CONCRETE (BULLETIN 42)
  - PENNDOT PUBLICATION 46, TRAFFIC ENGINEERING MANUAL
  - PENNDOT PUBLICATION 72M, STANDARDS FOR ROADWAY CONSTRUCTION
  - PENNDOT PUBLICATION 111, PAVEMENT MARKINGS AND SIGNING STANDARDS
  - PENNDOT PUBLICATION 212, OFFICIAL TRAFFIC CONTROL DEVICES
  - PENNDOT PUBLICATION 213, TEMPORARY TRAFFIC CONTROL GUIDELINES
  - PENNDOT PUBLICATION 408, SPECIFICATIONS
  - PENNDOT PUBLICATION 888 STORMWATER CONTROL MEASURES MANUAL
  - PENNDOT PUBLICATION 584 PENNDOT DRAINAGE MANUAL
- DETAILS, OTHER THAN THOSE INDICATED, ARE ON THE FOLLOWING STANDARD DRAWINGS  
RC'S: 64-M, 67-M, 72-M AND 80-M PER CHANGE #9.
- THE DRIVEWAY HAS BEEN DESIGNED (AND WILL BE CONSTRUCTED AND MAINTAINED)  
CONSISTENT WITH TITLE 67, CHAPTER 441 REGULATIONS.
- PA STATE HIGHWAY RIGHT-OF-WAY MAY NOT BE USED FOR PARKING.
- PERMITTEE IS RESPONSIBLE FOR MAINTENANCE OF ALL AUTHORIZED STRUCTURES, FACILITIES  
AND DRAINAGE.
- PERMITTEE IS RESPONSIBLE FOR MAINTENANCE OF ALL AUTHORIZED SIGNS AND PAVEMENT  
MARKINGS.
- CONTACT PENNSYLVANIA ONE-CALL (1-800-242-1776) THREE WORKING DAYS BEFORE  
EXCAVATION OR DEMOLITION WORK. SERIAL NUMBER FOR Nether Providence Township.
- ANTICIPATED AVERAGE DAILY TRAFFIC (ADT) FOR THE PROPOSED ACCESS IS:  
200 CARS  
45 SINGLE UNIT TRUCKS AND COMBINATIONS  
ANTICIPATED DAILY TRIPS FOR THE PROPOSED ACCESS IS:  
200 CARS  
45 SINGLE UNIT TRUCKS AND COMBINATIONS

- DISTANCE TO THE NEAREST INTERSECTION IN: RT. 250' LT. 101'.  
DISTANCE TO THE NEAREST TRAFFIC SIGNAL IS 232 FEET.  
DISTANCE TO THE NEAREST OPPOSITE DRIVEWAY IS RT. 28' LT 97'.  
DISTANCE TO THE NEAREST ADJACENT DRIVEWAY IS RT. 185' LT 225'.  
(measurements taken looking into the site)
- IF A TRAFFIC SIGNAL IS WITHIN 500 FEET OF THE SITE, CALL THE DISTRICT TRAFFIC  
ENGINEER AT 610-205-6565 LEAST 3 DAYS PRIOR TO THE START OF WORK.
- THIS PERMIT MAY BE RESTRICTED ON WORKING HOURS AND TIMES FOR HOLIDAYS,  
WEEKENDS, AND SPECIAL OR UNFORESEEN EVENTS AND WILL REQUIRE APPROVAL FROM THE  
COUNTY OFFICE PRIOR TO WORKING DURING THESE PERIODS.
- THE PERMITTEE'S CONTRACTOR SHALL SAWCUT AND REMOVE SHOULDER MATERIAL AS  
NECESSARY TO ENSURE THE PAVEMENT REPLACEMENT IS ADJACENT TO THE FULL-DEPTH  
PAVEMENT OF THE TRAVEL LANE.
- FINAL APPROVAL OF THE PROPOSED SAWCUT LOCATION WILL BE AT THE DISCRETION OF  
THE INSPECTOR-IN-CHARGE AND WILL BE CONFIRMED AT THE PRE-CONSTRUCTION MEETING.  
IF THE SAWCUT MUST BE LOCATED WITHIN A TRAVEL LANE, IT WILL BE NECESSARY TO MILL  
AND OVERLAY THE TRAVEL LANE TO PREVENT A JOINT IN A WHEEL PATH.
- THE PROPOSED PAVEMENT SECTION MUST BE AS INDICATED ON THE PLAN, OR MATCH THE  
EXISTING AS FOUND IN THE FIELD, WHICHEVER IS GREATER.
- PRIOR TO AN OVERLAY, BITUMINOUS OR CONCRETE BASE REPAIR OR JOINT REPLACEMENT  
MAY BE REQUIRED. REPAIR/REPLACEMENT WILL BE AT THE DISCRETION OF THE  
INSPECTOR-IN-CHARGE.
- ALL EXISTING PAVEMENT MARKINGS WHICH ARE NO LONGER APPROPRIATE SHALL BE  
ERADICATED BY THE PERMITTEE. THE PERMITTEE SHALL PLACE ALL REQUIRED NEW  
PAVEMENT MARKINGS.
- ALL PAVEMENT MARKINGS OTHER THAN LONGITUDINAL LINES TO BE HOT THERMOPLASTIC  
(PENNDOT PUBLICATION 111, TC-8600).
- MATCH EXISTING PAVEMENT MARKINGS AT THE LIMITS OF WORK.
- MATERIAL CERTIFICATION MUST BE PROVIDED, BY AN APPROVED MANUFACTURER LISTED IN  
THE DEPARTMENT'S PUBLICATION 35 (BULLETIN 15), FOR ALL MATERIALS AND STRUCTURES  
WITHIN PENNDOT RIGHT-OF-WAY.
- ALL SLOPE MEASUREMENTS WILL BE INSPECTED/VERIFIED WITH A 2-FOOT SMART LEVEL.
- IT IS THE RESPONSIBILITY OF THE PERMITTEE TO REMOVE ANY DEBRIS AND FLUSH OUT ALL  
EXISTING AND NEW STORM DRAINAGE FACILITIES WITHIN THE PROJECT LIMITS AT THE  
COMPLETION OF THE CONSTRUCTION.
- MODIFICATIONS TO EXISTING DRAINAGE STRUCTURES MAY RESULT IN THE NEED TO REPLACE  
THE STRUCTURE. REPLACEMENT WILL BE AT THE DISCRETION OF THE  
INSPECTOR-IN-CHARGE.
- STRUCTURAL STEEL BICYCLE SAFE GRATES MUST BE PROVIDED FOR ALL INLETS WITHIN THE  
ROADWAY PAVEMENT OF THOSE THAT MAY RECEIVE BICYCLE TRAFFIC (PENNDOT  
PUBLICATION 72M, RC-45M).
- THE PERMITTEE IS RESPONSIBLE FOR THE COORDINATION OF RELOCATING ANY CONFLICTING  
UTILITIES WHICH ARE A RESULT OF THESE IMPROVEMENTS.
- ALL UTILITY RELOCATION PERMITS TAKE PRECEDENCE OVER THE UTILITY RELOCATION  
POSITIONS SHOWN ON THE HOP PLANS.
- (PROVIDE A LIST OF PUBLIC UTILITIES IN ACCORDANCE WITH ACT 287-1974. LIST THE  
NAME, ADDRESS WITH ZIP CODE, AND THE NAME, TITLE, AND TELEPHONE NUMBER OF THE  
APPROPRIATE UTILITY REPRESENTATIVE.)

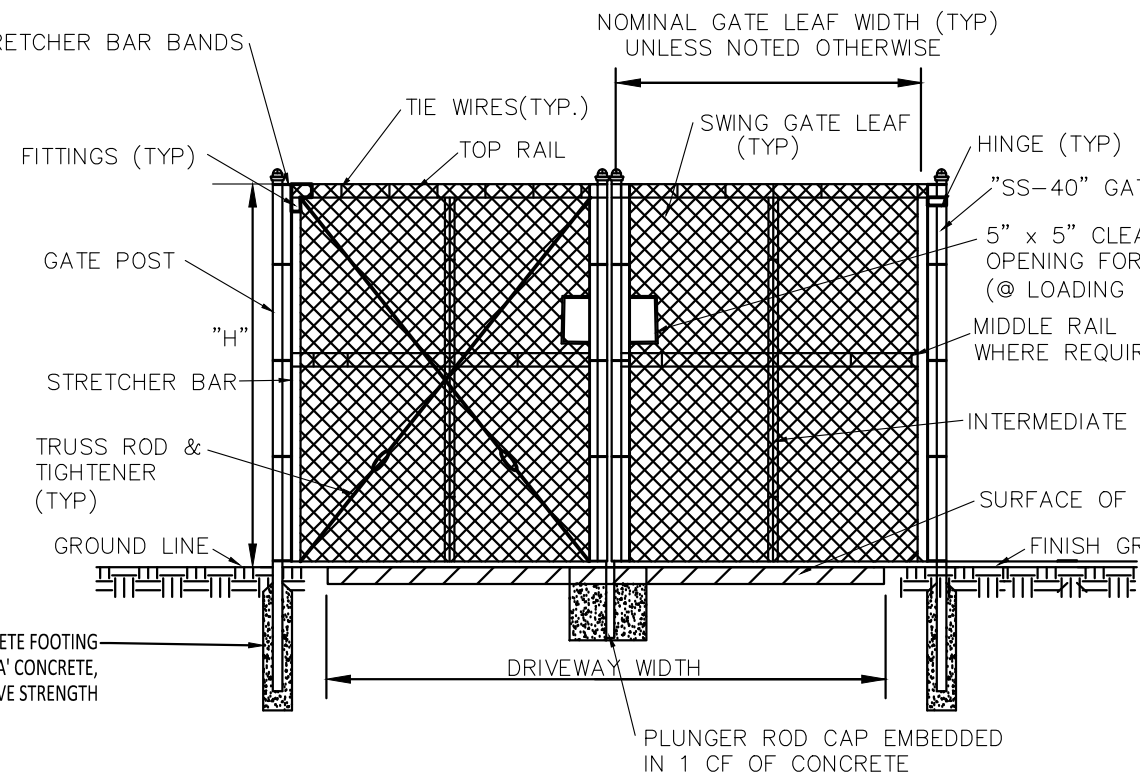


#### GENERAL NOTES:

- BOUNDARY, TOPOGRAPHIC AND PHYSICAL IMPROVEMENTS SHOWN IS/ARE FROM FIELD SURVEY  
BY CATANIA ENGINEERING ASSOCIATES, INC. PERFORMED ON 5/02/2022.
- BOUNDARY AND THE LEGAL RIGHT-OF-WAY ON SR 3003 FROM BYRE LANE TO PROVIDENCE ROAD,  
FROM STATION 1+00 TO 3+54 IS 50 FEET BASED ON A DEED RECORDED IN THE DELAWARE  
COUNTY RECORDER OF DEEDS ON 12-24-1984 IN DEED BOOK 9999, PAGE 9999,  
TAX PARCEL ID # 34-00-0039-001, TAX MAP NUMBER 34-12-146-000.
- CONTOURS PLOTTED FROM FIELD RUN TOPOGRAPHIC SURVEY BY CATANIA ENGINEERING  
ASSOCIATES, INC. DATUM: ASSUMED. SITE BENCH IS A STORM MANHOLE IN W. BROOKHAVEN  
ROAD/EXISTING DRIVEWAY WITH A RIM ELEVATION= 98.80.
- UNDERGROUND UTILITIES SHOWN WERE PLOTTED FROM OBSERVABLE EVIDENCE AT THE TIME OF  
SURVEY AND INFORMATION FROM PLANS SUPPLIED BY UTILITY COMPANIES. NO GUARANTEE IS  
MADE THAT UNDERGROUND UTILITIES ARE ACCURATELY OR COMPLETELY SHOWN HEREON.
- EXISTING UTILITY INFORMATION SHOWN HEREON HAS BEEN COLLECTED FROM VARIOUS SOURCES  
AND CANNOT BE GUARANTEED AS TO THE ACCURACY OR COMPLETENESS. THE CONTRACTOR  
SHALL VERIFY ALL INFORMATION TO HIS SATISFACTION PRIOR TO EXCAVATION. WHERE EXISTING  
UTILITIES ARE TO BE CROSSED BY PROPOSED CONSTRUCTION, TEST PITS SHALL BE DUG BY THE  
CONTRACTOR PRIOR TO CONSTRUCTION TO ASCERTAIN EXISTING INVERTS, MATERIALS AND SIZES.  
TEST PIT INFORMATION SHALL BE GIVEN TO THE ENGINEER PRIOR TO CONSTRUCTION TO PERMIT  
ADJUSTMENT AS REQUIRED TO AVOID CONFLICTS. ANY EXISTING UTILITY SERVICE CONNECTIONS  
LOCATED BY THE CONTRACTOR, CAPABLE OF SERVING THE PROPOSED USE SHALL BE REUSED AS  
LONG AS THEY ARE IN GOOD CONDITION AND MEET THE AUTHORITY'S STANDARDS AND  
SPECIFICATIONS. IF THE EXISTING UTILITY SERVICES DO NOT MEET THE ABOVE CRITERIA, THEN  
NEW SERVICE LINES SHALL BE INSTALLED.
- THIS SURVEY WAS PERFORMED WITHOUT THE BENEFIT OF A CURRENT TITLE REPORT, WHICH  
WOULD DISCLOSE ANY RIGHTS, RESERVATIONS, EASEMENTS, ETC., OF RECORD.
- ZONING INFORMATION OBTAINED FROM TOWNSHIP ZONING ORDINANCE (AS POSTED ON THE  
TOWNSHIP WEBSITE) AT TIME OF SURVEY. PROJECT ENGINEER IS RESPONSIBLE FOR CHECKING  
LATEST TOWNSHIP ORDINANCES FOR ANY & ALL UPDATES OR TOWNSHIP REVISIONS.
- DO NOT SCALE DRAWINGS AS THEY PERTAIN TO ADJACENT AND SURROUNDING PHYSICAL  
CONDITIONS, BUILDINGS, STRUCTURES, ETC. THEY ARE SCHEMATIC ONLY, EXCEPT WHERE  
DIMENSIONS ARE SHOWN THERETO.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF ANY FIELD OR SOIL CONDITIONS  
ENCOUNTERED DIFFER FROM THOSE REPRESENTED HEREON. SUCH CONDITIONS COULD RENDER  
THE DESIGNS HEREON INAPPROPRIATE OR INEFFECTIVE

#### NOTES:

- SWING GATE MATERIAL AND CONSTRUCTION SHALL CONFORM TO ASTM F900, ASTM  
F1043 (ALUMINUM GATE FRAME), AND ASTM F1083 (ZINC COATED STEEL FRAME).
- ALL GATE FRAME CORNERS SHALL BE WELDED.
- GATE FABRIC SHALL BE THE SAME TYPE AS USED IN THE FENCE CONSTRUCTION,  
UNLESS NOTED OTHERWISE.
- GATE FRAME SHALL BE DESIGNED AND BUILT SO THAT THE OUTER MEMBER SHALL  
NOT SAG IN EXCESS OF THE LESSOR OF 1% OF THE GATE LEAF WIDTH OR 2  
INCHES.
- DOUBLE GATE LATCH LOCKING DEVICES SHALL BE CONSTRUCTED SO THAT THE  
PLUNGER ROD CANNOT BE RAISED WHEN THE GATE IS LOCKED.
- GATE STOPS SHALL BE PROVIDED FOR ALL DOUBLE GATES. KEEPER SHALL BE  
PROVIDED FOR EACH GATE LEAF OVER 5 FT.
- DISTANCE BETWEEN GATE POSTS SHALL PROVIDE MIN. 18 INCH CLEARANCE BETWEEN  
GATE EAND EDGE OF PAVING/FACE OF CURB.



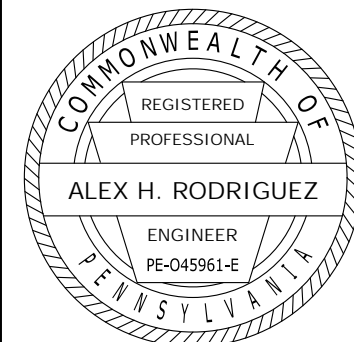
| GATE LOCATION | DRIVEWAY WIDTH<br>(FT) | HEIGHT "H"<br>(FT) | NOMINAL GATE LEAF WIDTH<br>(FT) | NOMINAL POST SIZE<br>(INCHES) | POST FTG. DIAMETER<br>(INCHES) | POST FTG. DEPTH<br>(INCHES) | POST MATERIAL | REMARKS |
|---------------|------------------------|--------------------|---------------------------------|-------------------------------|--------------------------------|-----------------------------|---------------|---------|
| WEST D/W      | 20                     | 6                  | 10                              | 6                             | 18"                            | 48"                         | GALV. STEEL   |         |
| EAST D/W      | 24                     | 6                  | 12                              | 6                             | 18"                            | 48"                         | GALV. STEEL   |         |

#### DOUBLE SWING GATE

| INFORMATION SHOWN ON THIS PLAN IS THE RESULT OF PROFESSIONAL SERVICES AS RENDERED BY CATANIA ENGINEERING ASSOCIATES, INC. REPRODUCTION OF THIS PLAN FOR THE PURPOSE OF CREATING ADDITIONAL COPIES OR REVISING PLANS WITHOUT APPROVAL OF CATANIA ENGINEERING ASSOCIATES, INC. IS PROHIBITED. CERTIFICATION FOR THE WORK CONTAINED HEREIN IS LIMITED TO THE ENTITY FOR WHOM THE WORK WAS PERFORMED, AS OF THE DATE SHOWN ON THE PLAN. |            |               |  | NO. | DATE | REVISION | OWN. BY | CHK. BY |
|---|------------|---------------|--|-----|------|----------|---------|---------|
| 3   | 04-25-2023 | PADOT COMM.   |  |     |      |          | AHR     | AHR     |
| 2   | 03-23-2023 | ISSUE FOR BID |  |     |      |          | AHR     | AHR     |
| 1   | 03-20-2023 | PADOT HOP     |  |     |      |          | AHR     | AHR     |



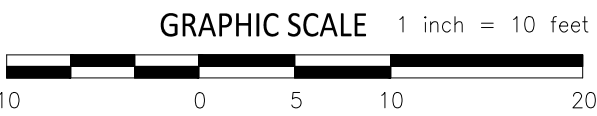
CATANIA ENGINEERING ASSOCIATES, INC.  
520 WEST MACDADE BLVD.  
MILMONT PARK, PA. 19033  
TEL: (610) 532-2884  
FAX: (610) 532-2923  
EMAIL: office10@cataniaengineering.com



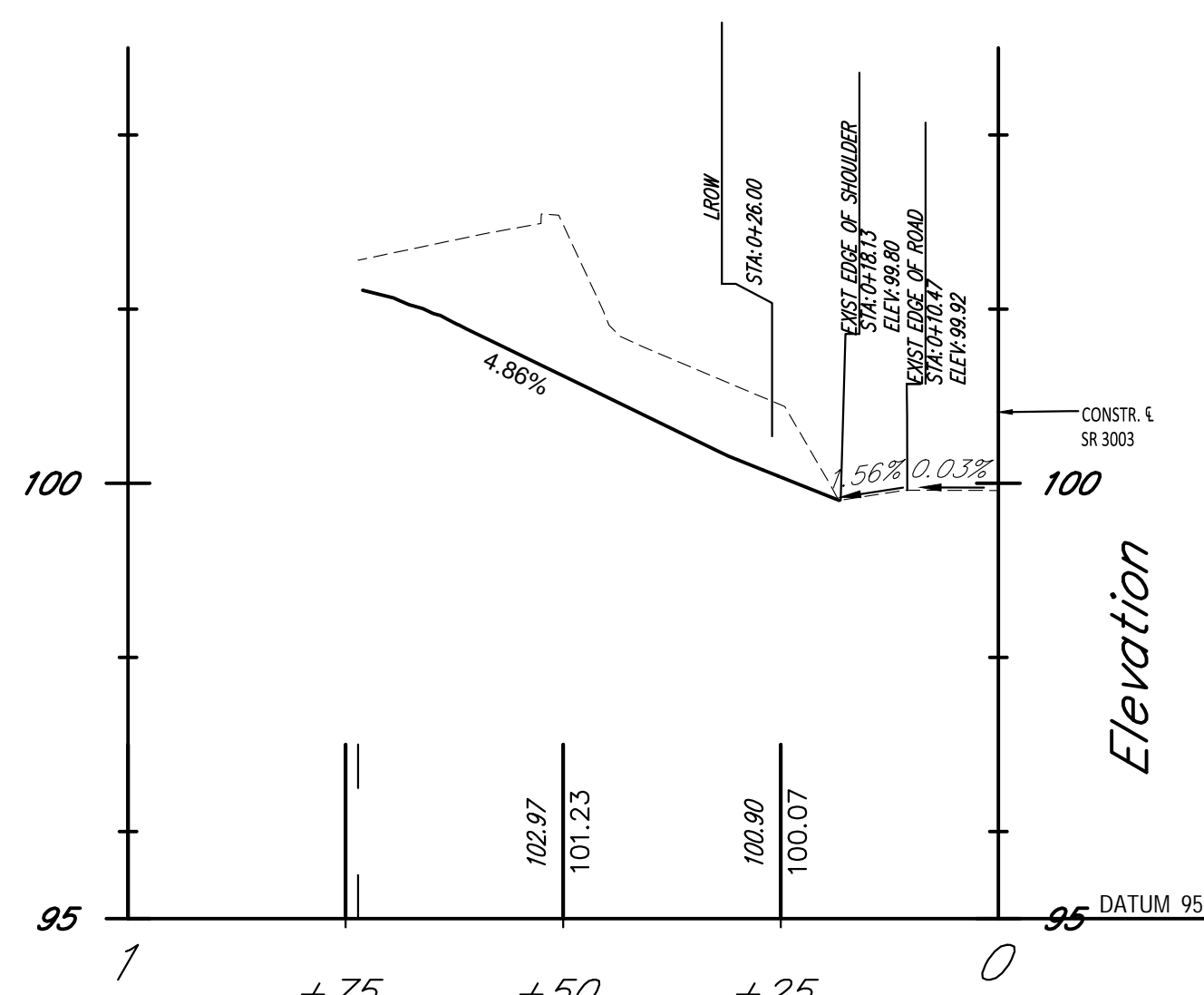
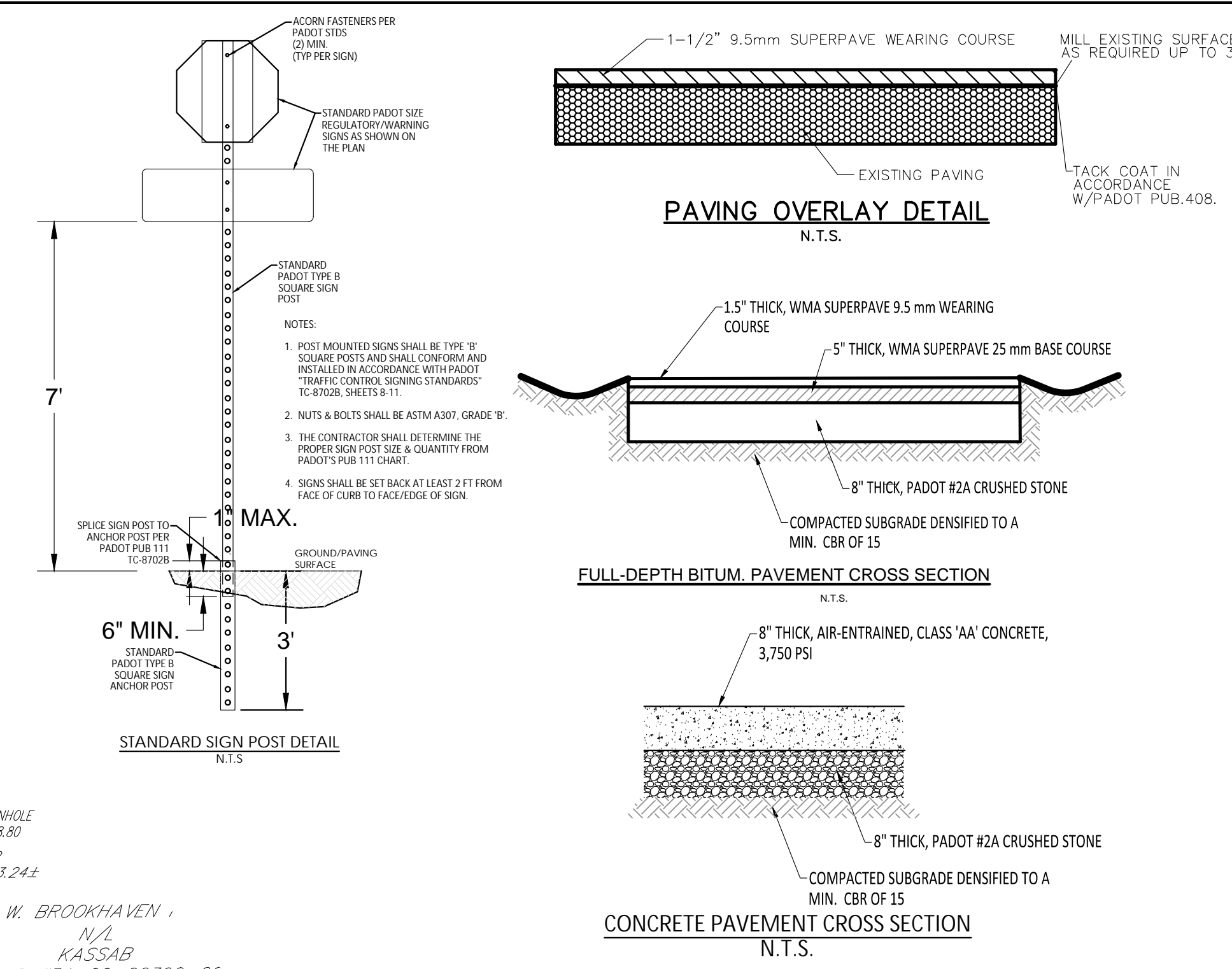
**SITE/GRADING PLAN – ADD ALTERNATE  
HOP APPLICATION # 303692  
RECYCLING CENTER  
NETHER PROVIDENCE TOWNSHIP**

TOWNSHIP OF NETHER PROVIDENCE DELAWARE COUNTY, PA

DWN. BY: J.M.D. G.U.C. DSG. BY: FIELD BOOK/PAGE: SCALE: 1" = 10' DATE: 11/15/22 DRAWING NO.: 83250-1096 SHEET: 2 OF 10 SHEETS

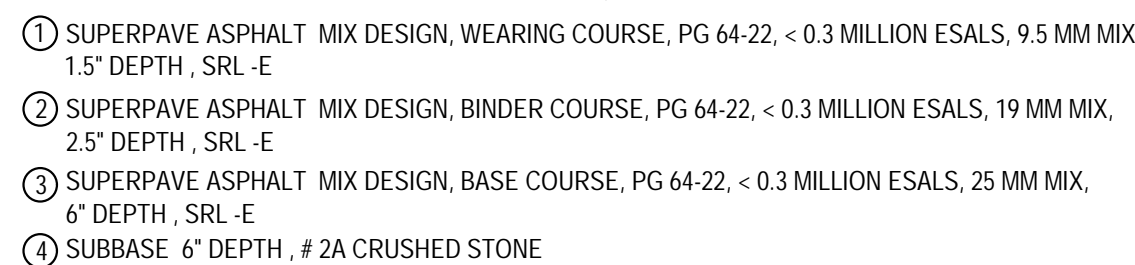


EXISTING DRIVEWAY CONVERTED INTO A ONE-WAY IN ONLY DRIVEWAY;  
THE EXISTING/MEASURED SIGHT DISTANCE FOR ENTERING LEFT TURNS IS 350 FEET. PADOT'S DESIRABLE  
SIGHT DISTANCE IS 300 FEET.



Profile:  
CL SITE DRIVE A @ BROOKHAVEN RD (SR 3003) STA 1+02.90  
HOR. SCALE 1"=20'  
VERT. SCALE: 1"=2'


1. ASPHALT TACK COAT TO BE PLACED BETWEEN ALL PAVEMENT LAYERS.
2. A GEOTEXTILE, TYPE 4 FABRIC SHALL BE PLACED OVER THE COMPLETED SUBGRADE ONLY AFTER THE PADOT INSPECTOR APPROVES THE SUBGRADE.
3. IF THE EXISTING ROAD MATERIAL DEPTHS ARE GREATER IN THE FIELD, THEN MATCH EXISTING DEPTHS.
4. ALL LONGITUDINAL PAVEMENT JOINTS SHALL BE SEALED WITH PG 64-22.



SITE DRIVE A & EXIST. DRIVE  
TYPICAL PAVEMENT SECTION W/I PADOT ROW

DURING THE CONSTRUCTION OF THE NEW DRIVEWAY AND ANY OTHER UNDERGROUND UTILITY WORK ADJACENT TO THE ROADWAY CONSTRUCTION AREAS, PROVIDE ADEQUATE VEHICULAR AND PEDESTRIAN TRAFFIC PROTECTION AT ALL TIMES BY UTILIZING THE FOLLOWING:

- NOTE:  
THE DEPTHS OF MATERIAL SHOWN ARE FOR  
DESIGN PURPOSES ONLY. ANY RISK OF  
UNANTICIPATED COSTS ASSOCIATED WITH  
DIFFERENCES BETWEEN THE LISTED DEPTHS AND  
THE ACTUAL DEPTHS SHALL BE ACCEPTED BY  
THE CONTRACTOR.

|   |   |
|---|---|
|  | <p>CATANIA ENGINEERING ASSOCIATES, INC.<br/>         520 WEST MacDADE BLVD.<br/>         MILMONT PARK, PA, 19033<br/>         TEL. (610) 532-2884<br/>         FAX. (610) 532-2923<br/>         EMAIL: <a href="mailto:office10@cataniaengineering.com">office10@cataniaengineering.com</a></p> |
|---|---|

HOP CONSTRUCTION PLAN—ADD ALTERNATE  
HOP APPLICATION # 303692  
RECYCLING CENTER  
NETHER PROVIDENCE TOWNSHIP

CAUTION: TO INSURE VALIDITY OF PLAN  
REGISTRATION SEAL MUST BE IN RED INK

|         |            |      |
|---------|------------|------|
| DWN. BY | <u>AHR</u> | DSG. |
|---------|------------|------|

TOWNSHIP OF M...


|         |                 |
|---------|-----------------|
| DSG. BY | FIELD BOOK/PAGE |
|---------|-----------------|

TOWNSHIP OF NETHER PROVIDENCE

DELAWARE COUNTY, PA

|                 |                       |                               |  |
|-----------------|-----------------------|-------------------------------|--|
| FIELD BOOK/PAGE | SCALE <u>1" = 10'</u> | DRAWING NO. <u>83250-109G</u> |  |
|-----------------|-----------------------|-------------------------------|--|

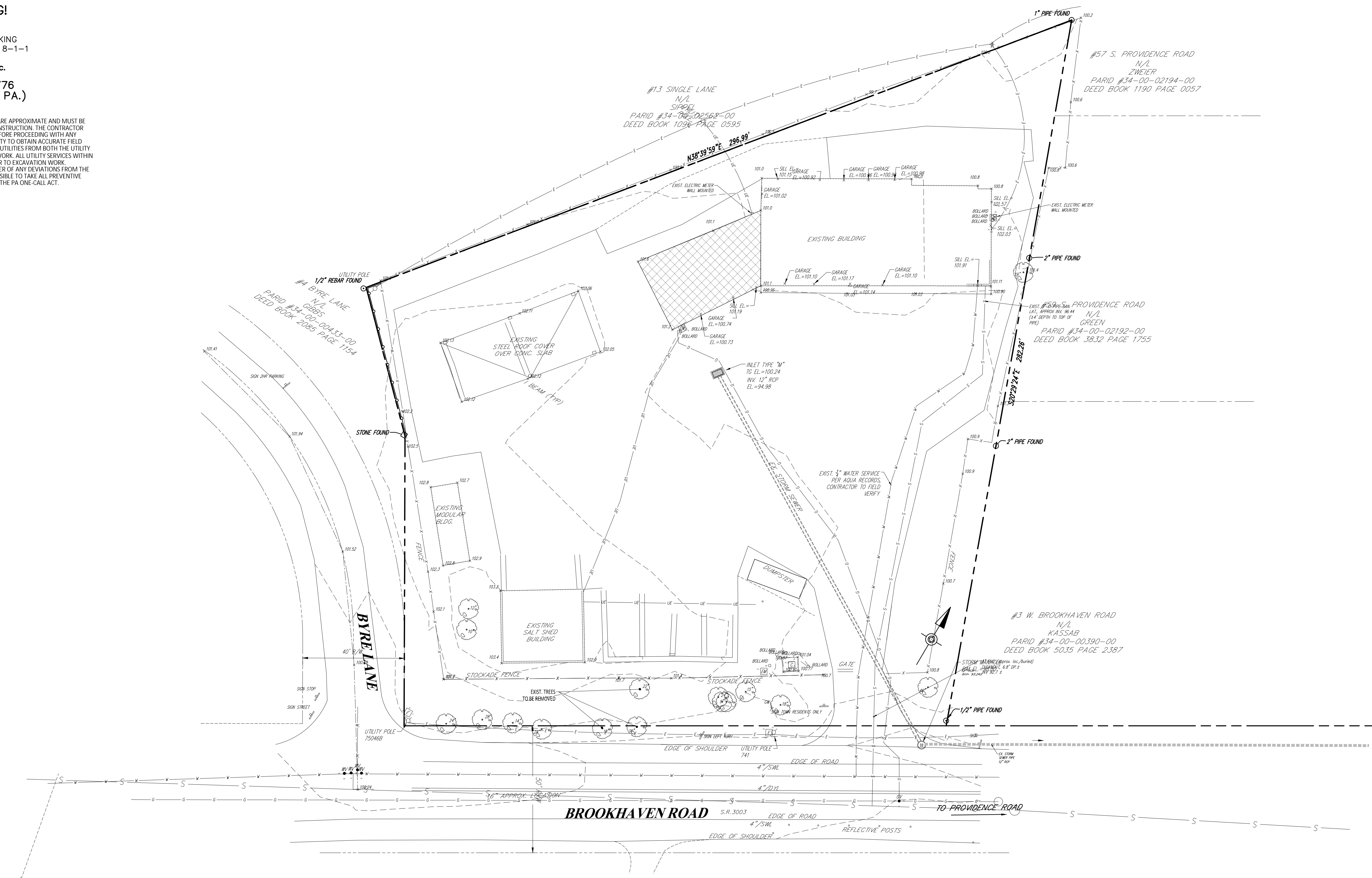
PA ONE CALL No. 20221363775  
**CALL BEFORE YOU DIG!**  
PENNSYLVANIA LAW REQUIRES  
3 WORKING DAYS NOTICE FOR  
CONSTRUCTION PHASE AND 10 WORKING  
DAYS IN DESIGN STAGE — STOP CALL 8-1-1

Pennsylvania One Call System, Inc.  
 1-800-242-1776  
8-1-1 (WITHIN PA.)

THE LOCATIONS OF ALL UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND MUST BE  
VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO CONSTRUCTION. THE CONTRACTOR  
SHALL CONTACT PA ONE-CALL AT 811 AT LEAST 3-DAYS BEFORE PROCEEDING WITH ANY  
EXCAVATION. IT IS ALSO THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ACCURATE FIELD  
LOCATIONS OF ALL EXISTING UNDERGROUND AND AERIAL UTILITIES FROM BOTH THE UTILITY  
COMPANIES AND/OR BY TEST PITS PRIOR TO BEGINNING WORK. ALL UTILITY SERVICES WITHIN  
THE LIMITS OF WORK MUST ALSO BE FIELD LOCATED PRIOR TO EXCAVATION WORK.  
CONTRACTORS ARE TO IMMEDIATELY NOTIFY THE ENGINEER OF ANY DEVIATIONS FROM THE  
PLAN INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE TO TAKE ALL PREVENTIVE  
MEASURES TO PROTECT THE LINES IN ACCORDANCE WITH THE PA ONE-CALL ACT.

SOIL TYPE(S)

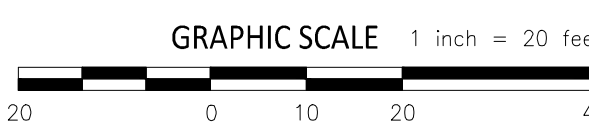
Me - MADE LAND SCHIST & GNESS MATERIALS.



- GENERAL NOTES:**
- BOUNDARY, TOPOGRAPHIC AND PHYSICAL IMPROVEMENTS SHOWN IS/ARE FROM FIELD SURVEY BY CATANIA ENGINEERING ASSOCIATES, INC. DATUM: ASSUMED. SITE BENCH IS A MANHOLE IN W. BROOKHAVEN ROAD WITH A RIM ELEVATION= 98.80.
  - CONTOURS PLOTTED FROM FIELD RUN TOPOGRAPHIC SURVEY BY CATANIA ENGINEERING ASSOCIATES, INC. DATUM: ASSUMED. SITE BENCH IS A MANHOLE IN W. BROOKHAVEN ROAD WITH A RIM ELEVATION= 98.80.
  - UNDERGROUND UTILITIES SHOWN WERE PLOTTED FROM OBSERVABLE EVIDENCE AT THE TIME OF SURVEY AND INFORMATION FROM PLANS SUPPLIED BY UTILITY COMPANIES. NO GUARANTEE IS MADE THAT UNDERGROUND UTILITIES ARE ACCURATELY OR COMPLETELY SHOWN HEREON.
  - EXISTING UTILITY INFORMATION SHOWN HEREON HAS BEEN COLLECTED FROM VARIOUS SOURCES AND CANNOT BE GUARANTEED AS TO THE ACCURACY OR COMPLETENESS. THE CONTRACTOR SHALL VERIFY ALL INFORMATION TO HIS SATISFACTION PRIOR TO EXCAVATION. WHERE EXISTING UTILITIES ARE TO BE CROSSED BY PROPOSED CONSTRUCTION, TEST PITS SHALL BE DUG BY THE CONTRACTOR PRIOR TO CONSTRUCTION TO ASCERTAIN EXISTING INVERTS, MATERIALS AND SIZES. TEST PIT INFORMATION SHALL BE GIVEN TO THE ENGINEER PRIOR TO CONSTRUCTION TO PERMIT ADJUSTMENT AS REQUIRED TO AVOID CONFLICTS. ANY EXISTING UTILITY SERVICE CONNECTIONS LOCATED BY THE CONTRACTOR, CAPABLE OF SERVICING THE PROPOSED USE SHALL BE REUSED AS LONG AS THEY ARE IN GOOD CONDITION AND MEET THE AUTHORITY'S STANDARDS AND SPECIFICATIONS. IF THE EXISTING UTILITY SERVICES DO NOT MEET THE ABOVE CRITERIA, THEN NEW SERVICE LINES SHALL BE INSTALLED.
  - THIS SURVEY WAS PERFORMED WITHOUT THE BENEFIT OF A CURRENT TITLE REPORT, WHICH WOULD DISCLOSE ANY RIGHTS, RESERVATIONS, EASEMENTS, ETC... OF RECORD.
  - ZONING INFORMATION OBTAINED FROM TOWNSHIP ZONING ORDINANCE (AS POSTED ON THE TOWNSHIP WEBSITE) AT TIME OF SURVEY. PROJECT ENGINEER IS RESPONSIBLE FOR CHECKING LATEST TOWNSHIP ORDINANCES FOR ANY & ALL UPDATES OR TOWNSHIP REVISIONS.
  - THIS PROPERTY IS LOCATED WITHIN FLOOD HAZARD ZONE 'X' AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN AS SHOWN ON FLOOD INSURANCE RATE MAP FOR DELAWARE COUNTY, PA. MAP NO. 4204SC0094F, DATED NOVEMBER 18, 2009.
  - SOILS INFORMATION PROVIDED WITH SUPPORT FROM THE NATURAL RESOURCES CONSERVATION SERVICE. SOILS ATTRIBUTE DATA IS SERVED FROM THE NRCS SOIL DATA MART.
  - THE ACCURACY AND COMPLETENESS OF THIS INFORMATION HAS BEEN PROVIDED TO THE BEST ABILITY OF THE ENGINEER, HOWEVER, THE CONTRACTOR IS ADVISED TO VERIFY IN THE FIELD ALL THE FACTORS CONCERNING THE LOCATION OF ALL UTILITIES PRIOR TO BIDDING AND CONSTRUCTION. LOCATIONS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THESE PLANS ARE TO BE CONSIDERED APPROXIMATE AND SHOULD BE VERIFIED BY THE CONTRACTOR.
  - DO NOT SCALE DRAWINGS AS THEY PERTAIN TO ADJACENT AND SURROUNDING PHYSICAL CONDITIONS, BUILDINGS, STRUCTURES, ETC. THEY ARE SCHEMATIC ONLY, EXCEPT WHERE DIMENSIONS ARE SHOWN THEREIN.
  - THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF ANY FIELD OR SOIL CONDITIONS ENCOUNTERED DIFFER FROM THOSE REPRESENTED HEREON. SUCH CONDITIONS COULD RENDER THE DESIGNS HEREON INAPPROPRIATE OR INEFFECTIVE.

**OWNER**  
NETHER PROVIDENCE TOWNSHIP  
214 SYKES LANE  
WALLINGFORD, PA 19086  
PARID #34-00-00390-01  
DEED 12-24-1984  
AREA = 57,017 S.F. (GROSS)  
53,520 S.F. (NET)

| EXISTING  |                      | PROPOSED  |  |
|-----------|----------------------|-----------|--|
| — 350.0 — | CONTOURS             | — 350.0 — |  |
| — 350.0 — | SPOT ELEVATIONS      | x 350.0   |  |
| — S —     | SANITARY SEWER       |           |  |
| — L —     | SANITARY LATERAL     |           |  |
| — --- --- | STORM SEWER          |           |  |
| — G —     | GAS MAIN             |           |  |
| — W —     | WATER MAIN           |           |  |
| — UE —    | UNDERGROUND ELECTRIC |           |  |
|           | TO BE REMOVED        | TBR       |  |



| INFORMATION SHOWN ON THIS PLAN IS THE RESULT OF PROFESSIONAL SERVICES AS RENDERED BY CATANIA ENGINEERING ASSOCIATES, INC. REPRODUCTION OF THIS PLAN FOR THE PURPOSE OF CREATING ADDITIONAL COPIES OR REVISING PLAN WITHOUT APPROVAL OF CATANIA ENGINEERING ASSOCIATES, INC. IS PROHIBITED. CERTIFICATION FOR THE WORK CONTAINED HEREIN IS LIMITED TO THE ENTITY FOR WHOM THE WORK WAS PERFORMED, AS OF THE DATE SHOWN ON THE PLAN. |  | NO. |            | DATE          |  | REVISION |     | DWN. BY |  | CKD. BY |  |
|--|--|-----|------------|---------------|--|----------|-----|---------|--|---------|--|
|  |  | 3   | 04-25-2023 | PADOT COMM.   |  | AHR      | AHR |         |  |         |  |
|  |  | 2   | 03-29-2023 | ISSUE FOR BID |  | AHR      | AHR |         |  |         |  |
|  |  | 1   | 02-27-2023 | PADOT HOP     |  | AHR      | AHR |         |  |         |  |



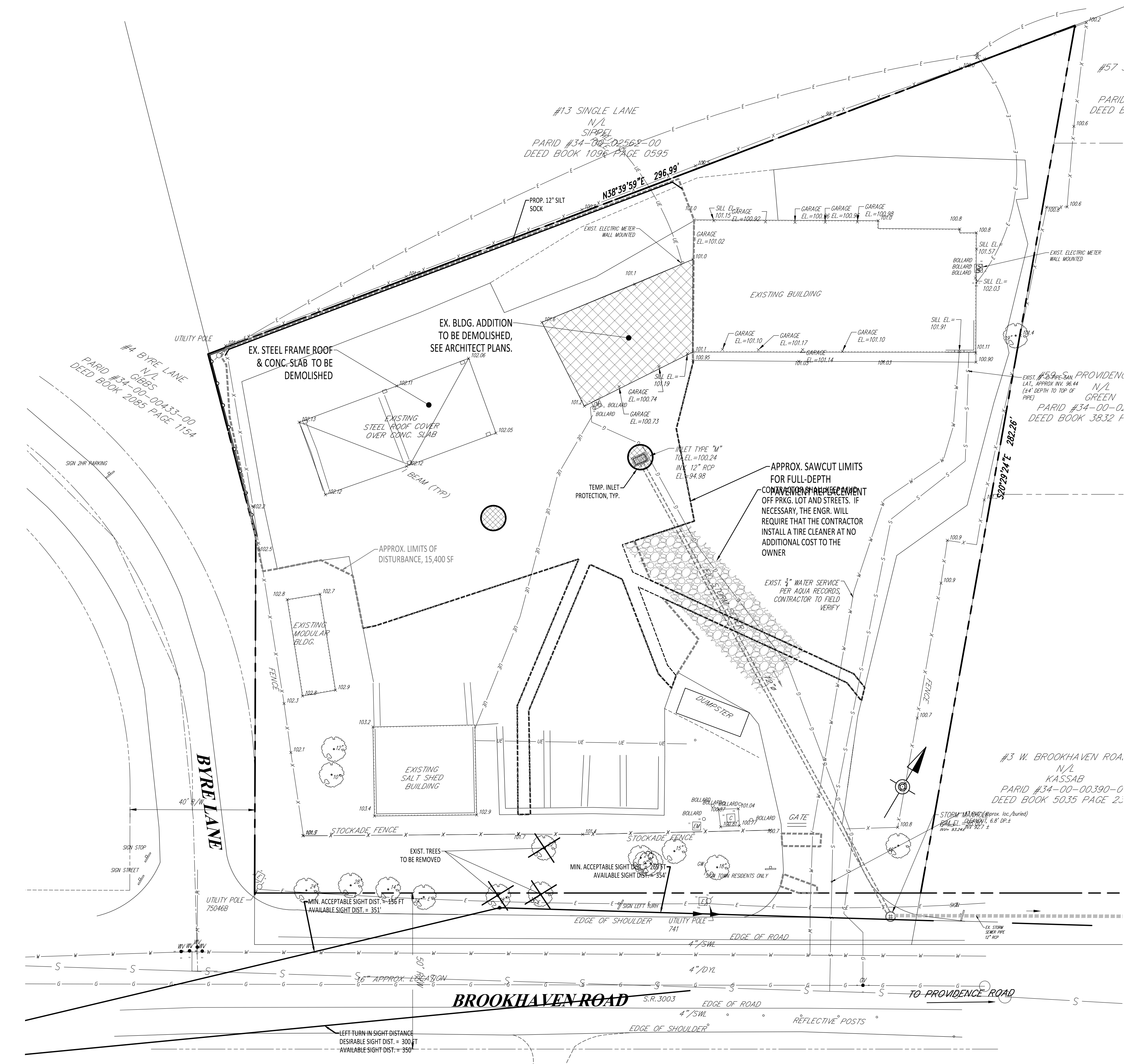
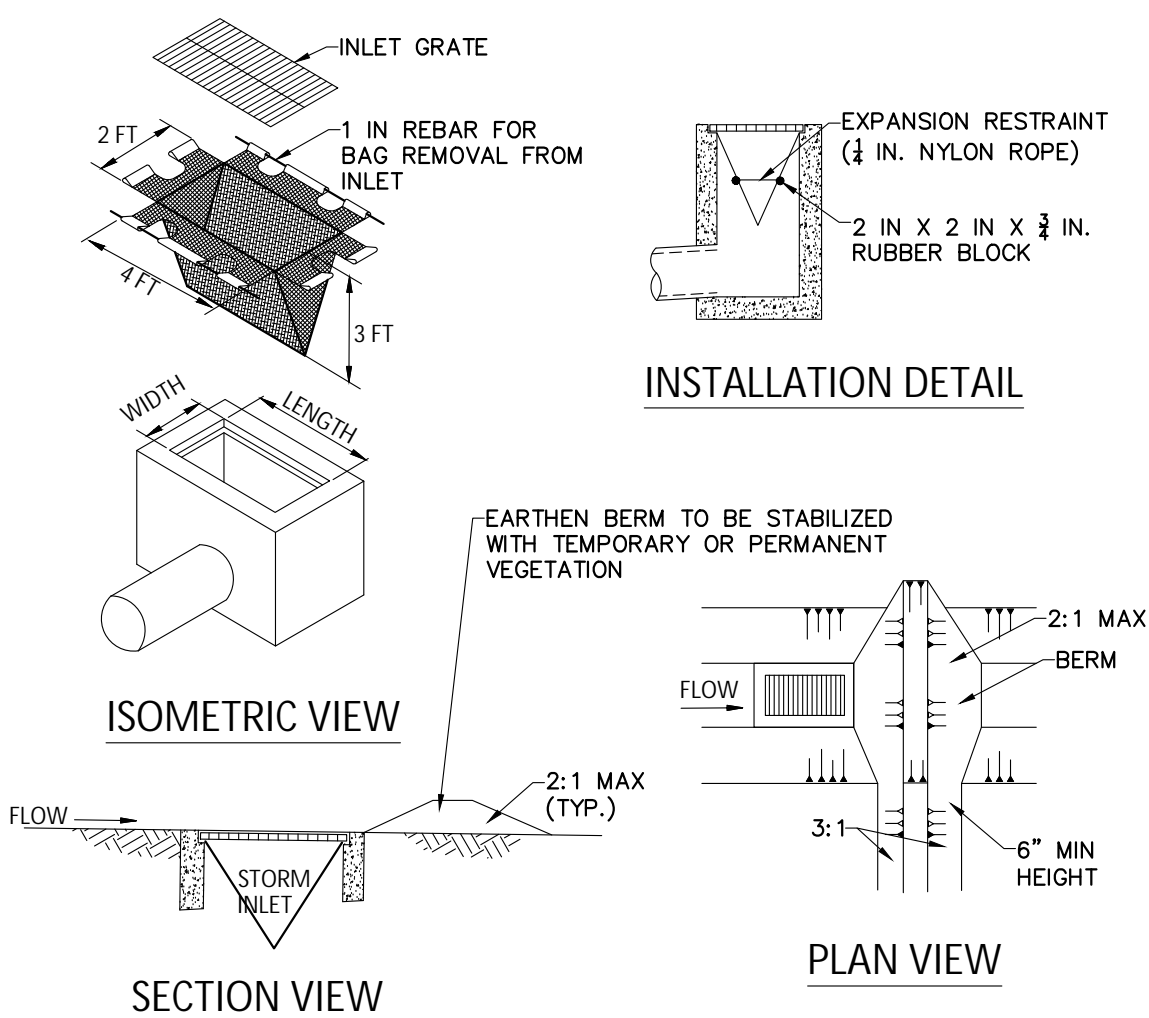
CATANIA ENGINEERING ASSOCIATES, INC.  
520 WEST MCDONALD BLVD.  
MILMONT PARK, PA. 19033  
TEL. (610) 532-2884  
FAX. (610) 532-2923  
EMAIL: office10@cataniengineering.com

EXISTING CONDITIONS PLAN  
RECYCLING CENTER  
NETHER PROVIDENCE TOWNSHIP

**CALL BEFORE YOU DIG!**  
PENNSYLVANIA LAW REQUIRES  
3 WORKING DAYS NOTICE FOR  
CONSTRUCTION PHASE AND 10 WORKING  
DAYS IN DESIGN STAGE – STOP CALL 8-1-1

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FILTER BAG INLET PROTECTION, TYPE II  
N.T.S.



22. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE DUST CONTROL MEASURES AS REQUIRED TO LIMIT THE AMOUNT OF AIRBORNE DUST AND DIRT FROM LEAVING THE SITE IN THE AIR IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL STANDARDS.

| FORMULA & SPECIES  | PERCENT BY WEIGHT | MINIMUM PERCENT |                | MAX. PERCENT WEED SEED | SEEDING RATE LB/1000 SY          |
|--|-------------------|-----------------|----------------|------------------------|----------------------------------|
|  |                   | PURITY          | GERMINATION    |                        |                                  |
| <b>FORMULA B:</b><br>PERENNIAL RYEGRASS MIXTURE (LOLIUM PERENNE)<br>CREEPING RED FESCUE OR CHEWINGS FESCUE<br>KENTUCKY BLUEGRASS MIXTURE (POA PRATENSIS) | 20<br>30<br>50    | 98<br>98<br>98  | 90<br>85<br>80 | 0.15<br>0.15<br>0.20   | 21.0 TOTAL<br>4.0<br>6.0<br>11.0 |
| <b>FORMULA E:</b><br>ANNUAL RYEGRASS (LOLIUM MULTIFLORUM)  | 100               | 98              | 90             | 0.15                   | 10.0 TOTAL<br>10.0               |

1. BOUNDARY, TOPOGRAPHIC AND PHYSICAL IMPROVEMENTS SHOWN IS/ARE FROM FIELD SURVEY BY CATANIA ENGINEERING ASSOCIATES, INC. PERFORMED ON 5/02/2022.
2. CONTOURS PLOTTED FROM FIELD RUN TOPOGRAPHIC SURVEY BY CATANIA ENGINEERING ASSOCIATES, INC. DATUM ASSUMED. SITE BENCH IS A MANHOLE IN W. BROOKHAVEN ROAD WITH A RIM ELEVATION: 98.80.
3. UNDERGROUND UTILITIES SHOWN WERE PLOTTED FOR OBSERVABLE EVIDENCE AT THE TIME OF SURVEY AND INFORMATION FROM PLANS SUPPLIED BY UTILITY COMPANIES. NO GUARANTEE IS MADE THAT UNDERGROUND UTILITIES ARE ACCURATELY OR COMPLETELY SHOWN HEREON.
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6. THIS PROPERTY IS LOCATED WITHIN FLOOD HAZARD ZONE XAREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN AS SHOWN ON FLOOD INSURANCE RATE MAP FOR DELAWARE COUNTY, PA, MAP NO. 42045C0049F, DATED NOVEMBER 18, 2009.
7. SOILS INFORMATION PROVIDED FROM SUPPORT FROM THE NATURAL RESOURCES CONSERVATION SERVICE. SOILS ATTRIBUTE DATA IS DERIVED FROM THE NRCS SOIL DATA MAT.

TOTAL IMPERVIOUS BASED BID & ADD = 20,230 SF

NETHER PROVIDENCE TOWNSHIP  
214 SYKES LANE  
WALLINGFORD, PA .19086  
PARID #34-00-00390-01  
DEED 12-24-1984  
AREA = 57,017 S.F. (GROSS)  
53,520 S.F. (NET)

|     |            |               |  |         |         |
|-----|------------|---------------|--|---------|---------|
|     |            |               |  |         |         |
| 3   | 04-25-2023 | PADOT COMM.   |  | AHR     | AHR     |
| 2   | 03-29-2023 | ISSUE FOR BID |  | AHR     | AHR     |
| 1   | 02-27-2023 | PADOT HOP     |  | AHR     | AHR     |
| NO. | DATE       | REVISION      |  | DWN. BY | CKD. BY |

CATANIA ENGINEERING ASSOCIATES, INC.  
520 WEST MacDADE BLVD.  
MILMONT PARK, PA. 19033  
TEL. (610) 532-2884  
FAX. (610) 532-2923  
EMAIL: [office10@cataniaengineering.com](mailto:office10@cataniaengineering.com)

SITE DEMOLITION PLAN: BASE BID  
RECYCLING CENTER  
NETHER PROVIDENCE TOWNSHIP

INFORMATION SHOWN ON THIS PLAN IS THE RESULT OF PROFESSIONAL SERVICES AS RENDERED BY CATANIA ENGINEERING ASSOCIATES, INC. REPRODUCTION OF THIS PLAN FOR THE PURPOSE OF CREATING ADDITIONAL COPIES OR REVISING PLAN WITHOUT APPROVAL OF CATANIA ENGINEERING ASSOCIATES, INC. IS PROHIBITED. CERTIFICATION FOR THE WORK CONTAINED HEREIN IS LIMITED TO THE ENTITY FOR WHOM THE WORK WAS PERFORMED, AS OF THE DATE SHOWN ON THE PLAN.



CAUTION: TO INSURE VALIDITY OF PLAN  
REGISTRATION SEAL MUST BE IN RED INK

|                       |      |
|-----------------------|------|
| DWN. BY <u>J.M.D.</u> | DSG. |
|-----------------------|------|

|                               |                                       |
|-------------------------------|---------------------------------------|
| TOWNSHIP OF NETHER PROVIDENCE |                                       |
| FIELD BOOK/PAGE               | SCALE $\frac{1" = 20'}{25' 40' 100'}$ |

DELAWARE COUNTY, PA  
3250-109G

### LEGEND

EXISTING

--- 150' ---                      CONTOURS  
 x 150.0'                          SPOT ELEVATIONS  
 --- 5' ---                          SANITARY SEWER  
 --- 4' ---                          SANITARY LATERAL  
 --- ---                              STORM SEWER  
 --- 0' ---                          GAS MAIN  
 --- 0' ---                          WATER MAIN  
 --- 0' ---                          UNDERGROUND ELECTRIC  
    TO BE REMOVED

PROPOSED

350

x 350.0

TBR

**Figure 1**

---

**GRAPHIC SCALE** 1 inch = 20 feet


3250-109G

PA ONE CALL No. 20221363775

## CALL BEFORE YOU DIG!

PENNSYLVANIA LAW REQUIRES  
3 WORKING DAYS NOTICE FOR  
CONSTRUCTION PHASE AND 10 WORKING  
DAYS IN DESIGN STAGE — STOP CALL 8-1-1

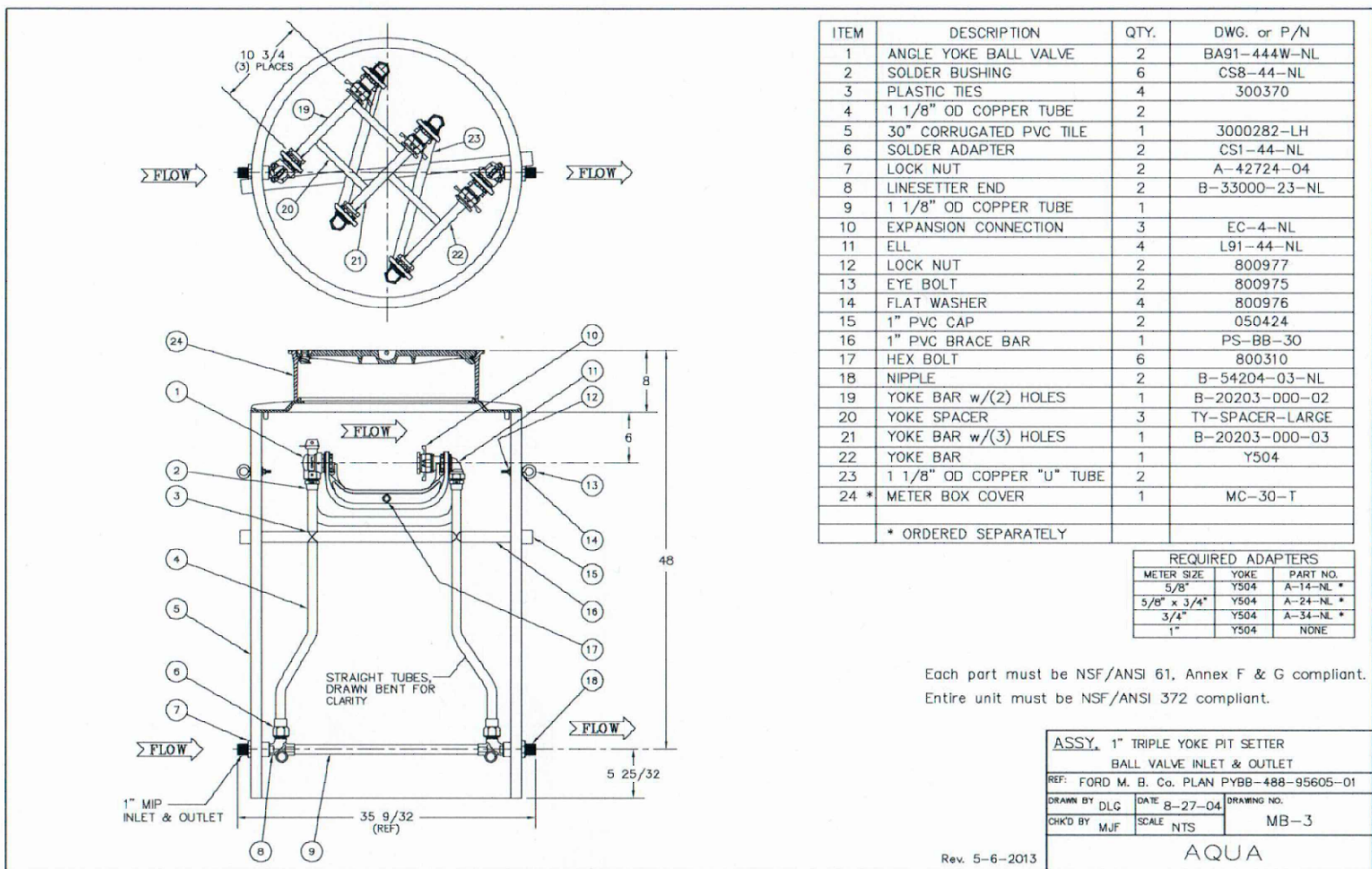
Pennsylvania One Call System, Inc.

 1-800-242-1776  
8-1-1 (WITHIN PA.)

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THE LIMITS OF WORK MUST ALSO BE FIELD LOCATED PRIOR TO EXCAVATION WORK.  
CONTRACTORS ARE TO IMMEDIATELY NOTIFY THE ENGINEER OF ANY DEVIATIONS FROM THE  
PLAN INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE TO TAKE ALL PREVENTIVE  
MEASURES TO PROTECT THE LINES IN ACCORDANCE WITH THE PA ONE-CALL ACT.

### AQUA WATER SERVICE NOTES:

1. THE SITE CONTRACTOR AND PLUMBING CONTRACTOR IS RESPONSIBLE TO BE FULLY KNOWLEDGEABLE WITH ALL AQUA STANDARDS AND REQUIREMENTS.
2. AQUA WILL MAKE ALL CONNECTIONS TO ITS MAIN AND FURNISH, INSTALL THE SERVICE LINE FROM THE WATER MAIN TO THE CURB STOP AND METER BOX.
3. THE SITE CONTRACTOR SHALL BE RESPONSIBLE FOR ARRANGING, PREPARING & SUBMITTING FORMS TO AQUA FOR TEMPORARY AND PERMANENT WATER SERVICES.
4. THE SITE CONTRACTOR SHALL BE RESPONSIBLE TO INSTALL THE SERVICE LINE FROM THE CURB BOX TO WITHIN 5 FEET OF THE BUILDING.
5. THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR CONNECTING THE BUILDING LINES TO THE UNDERGROUND SERVICE LINES
6. DOMESTIC WATER SERVICE LINE SHALL BE 1" Ø K COPPER AND INSTALLED PER AQUA STANDARDS. K COPPER FITTINGS SHALL BE COMPRESSION OR FLARED FOR UNDERGROUND CONNECTIONS. WHILE THREADED OR SWEAT JOINTS SHALL BE USED IN PITS. FIRE LINES SHALL BE 4 INCH DUCTILE IRON PIPE AND INSTALLED PER AQUA STANDARDS. DUCTILE IRON PIPE 3" OR LARGER SHALL HAVE PUSH ON WATER-TIGHT JOINTS. WATER LINES SHALL HAVE A MINIMUM 42" OF COVER.
7. AQUA REQUIRES A PRESSURE REDUCING VALVE WHERE THE COMPANY'S SYSTEM PRESSURE EXCEEDS 81 PSI ON ALL DOMESTIC SERVICES AND 150 PSI ON FIRES SERVICES AND AT THE DISCRETION OF AQUA.
8. AQUA RETAINS THE RIGHT TO REQUIRE THE CUSTOMER TO INSTALL AND MAINTAIN A BACKFLOW PREVENTION DEVICE.
9. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING A FIRE SPRINKLER DESIGNER COORDINATING WITH AQUA FOR SIZING FOR FIRE LINE AT THE START OF CONSTRUCTION.



### NOTES:

1. SANITARY SEWERS SHOULD BE LAID AT LEAST 10 FEET, HORIZONTALLY, FROM ANY EXISTING OR PROPOSED WATER MAINS. SHOULD LOCAL CONDITIONS PREVENT A LATERAL SEPARATION OF 10 FEET, A SEWER MAY BE LAID CLOSER THAN 10 FEET TO A WATER MAIN IF:  
A. IT IS LAID IN A SEPARATE TRENCH; OR IF  
B. IT IS LAID IN THE SAME TRENCH, WITH THE WATER MAIN LOCATED AT ONE SIDE OF A BENCH OF UNDISTURBED EARTH; AND IF  
C. IN EITHER CASE THE ELEVATION OF THE TOP (CROWN) OF THE SEWER IS AT LEAST 18 INCHES BELOW THE BOTTOM (INVERT) OF THE WATER MAIN.
2. WHEN THE ELEVATION OF THE SEWER CANNOT BE VARIED TO MEET THE ABOVE REQUIREMENTS, THE WATER MAIN SHALL BE RELOCATED TO PROVIDE THE SEPARATION, FOR A DISTANCE OF 10 FEET EXTENDING ON EACH SIDE OF THE SEWER. IF POSSIBLE, ONE FULL LENGTH OF WATER MAIN SHOULD BE CENTERED OVER THE SEWER SO THAT BOTH JOINTS WILL BE AS FAR FROM THE SEWER AS POSSIBLE. THE WATER MAIN SHOULD BE CONSTRUCTED OF SLIP-ON OR MECHANICAL-JOINT CAST-IRON PIPE, PVC PIPE, OR PRE-STRESSED CONCRETE CYLINDER PIPE AND THE SEWER CONSTRUCTED OF MECHANICAL-JOINT CAST-IRON PIPE FOR ANY PORTION WITHIN 10 FEET OF THE WATER MAIN. BOTH SERVICES SHALL BE PRESSURE TESTED TO ASSURE WATERTIGHTNESS PRIOR TO BACKFILLING. WHERE LESS THAN AN 18" VERTICAL SEPARATION EXISTS BETWEEN THE WATER AND SEWER LINE, THE SEWER LINE MAY BE CONCRETE ENCASED 10 FEET ON EITHER SIDE OF THE WATER MAIN.

### PA-ONE CALL UTILITY LIST

CHESTER WATER AUTHORITY  
ADDRESS: 437 W FRONT ST  
PO BOX 407  
CHESTER, PA 19013  
CONTACT: RUD PIANO  
EMAIL: riano.piano@chesterwater.com

AQUA PENNSYLVANIA  
ADDRESS: 765 LANCASTER AVE  
BIRM MNR, PA 19010  
CONTACT: TONING WOODY  
EMAIL: TONINGWOODY@AQUA.PA.GOV

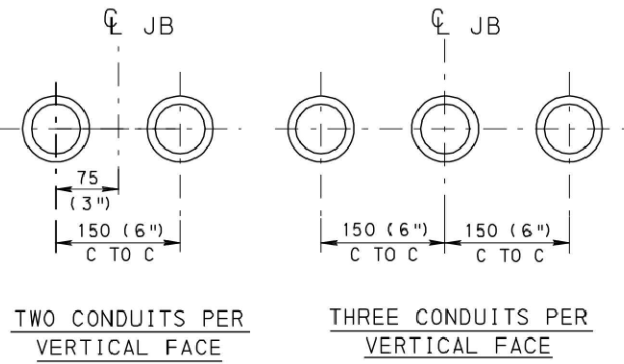
CATAUNIA ENGINEERING ASSOCIATES INC  
ADDRESS: 520 W WACCADE BOULEVARD  
MILMONT PARK, PA 19033  
CONTACT: CHARLES CATAUNIA  
EMAIL: ccataun@cataniaengineering.com

COMCAST  
ADDRESS: 110 SPRINGBOKE BOULEVARD  
ASTON, PA 19014  
CONTACT: RICH KAN  
EMAIL: richkan@comcast.com

PECO AN EXELON COMPANY C/O USC  
ADDRESS: 400 S HENKENSOM ROAD SUITE B  
KING OF PRUSSIA, PA 19406  
CONTACT: KIMMY DODSON  
EMAIL: ddodson@thetropicsprovidence.org

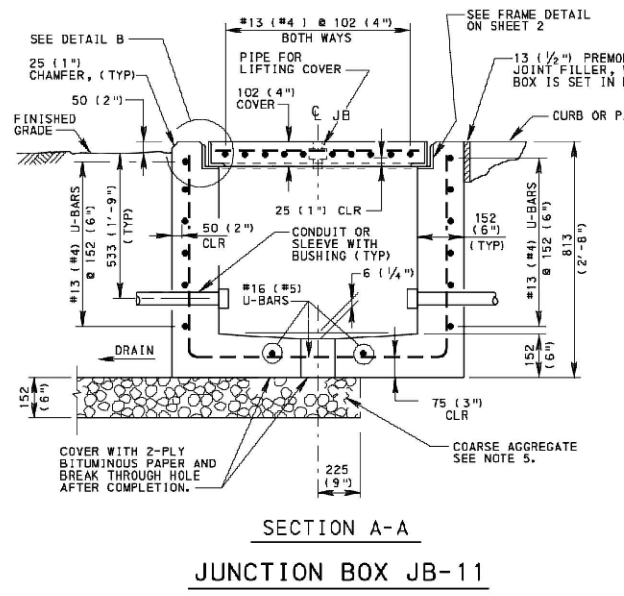
NETHER PROVIDENCE TOWNSHIP  
ADDRESS: 214 SMOKE LN  
WALLINGFORD, PA 19086  
CONTACT: JAMES DODSON  
EMAIL: ddodson@thetropicsprovidence.org

VERIZON BUSINESS FORMERLY MCI  
ADDRESS: 7000 WESTON PKWY  
CARL, NC 27013  
CONTACT: VICTOR WOOD  
EMAIL: victor.wood@verizon.com



### MULTIPLE CONDUITS IN PLACE

CAST-IN-PLACE OR PRECAST UNITS



### UTILITY NOTES:

GAS:

- GAS SHOWN FOR UTILITY COORDINATION PURPOSES ONLY. SEE MEP PLANS BY OTHERS FOR GAS INSTALLATION REQUIREMENTS.
- THE GENERAL CONTRACTOR IS REQUIRED TO COORDINATE GAS SERVICE LOCATION WITH UTILITY COMPANY AND PROVIDE A CLEAR PATH FOR PECO'S TRENCH AS NEEDED FOR PECO TO MAKE INSTALLATION. THE GENERAL CONTRACTOR IS ALSO RESPONSIBLE TO INCLUDE ANY NECESSARY WORK TO RELOCATE SITE TO ITS ORIGINAL CONDITION AFTER PECO
- PRIOR TO ANY EARTHWORK/GRADING OVER EXISTING ON-SITE GAS LINE, THE GENERAL CONSTRUCTION CONTRACT SHALL INCLUDE COORDINATION WITH PECO, TO ENSURE THAT PECO RELOCATES/LOWERS EXISTING GAS LINE AND PROVIDES/INSTALLS GAS SERVICE AND GAS METERS AS SHOWN.
- THE GENERAL CONTRACTOR SHALL PROVIDE PECO AT LEAST 34 WEEKS OF ADVANCED NOTICE TO SCHEDULE THE EXISTING METER RELOCATION AND AT LEAST 8-10 WEEKS LEAD TIME FOR THE NEW METER TO THE NEW BUILDING. PECO CONTRACT PERSON IS JOHN FUSCO AT 610-490-6858.
- THE GENERAL/SITE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PAVEMENT TRENCH RESTORATION ON-SITE STREET AND ANY LANDSCAPE RESTORATION WORK. PECO GAS IS ONLY RESPONSIBLE FOR PERMANENT STREET RESTORATION AND OBTAINING PADOT PERMIT FOR TRENCH OPENING IN THE STATE'S ROADWAY.
- GAS SERVICE LINE SHALL BE INSTALLED WITH A MINIMUM 30 INCH COVER. A MINIMUM OF 1 FOOT OF VERTICAL CLEARANCE/SEPARATION MUST BE MAINTAINED WHEREVER GAS CROSSES ANY OTHER UTILITY LINE.
- PIPE AND UTILITY TRENCH SHALL BE BACKFILLED WITH A CRUSHED STONE MATERIAL SUCH AS PADOT #2A OR APPROVED SUBSTITUTE FOR ITS ENTIRE DEPTH.

WATER:

- THE CONSTRUCTION CONTRACTOR SHALL CONTACT AQUA, JEFF REDDING, TO TEMPORARILY TURN OFF WATER SERVICE AT THE EXISTING CURB STOP.
- THE SITE CONSTRUCTION CONTRACT SHALL INCLUDE COORDINATION WITH AQUA TO ENSURE THAT AQUA PROVIDES/INSTALLS THE METER.
- THE SITE CONSTRUCTION CONTRACTOR SHALL INCLUDE INSTALLATION OF METER BOX AND DOMESTIC/FIRE WATER LINES TO WITHIN 5 FEET FROM FACE OF BUILDING.
- THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR CONNECTING THE WATER SERVICE/FIRE LINES FROM THE CLEAN-OUT TO THE BUILDING.
- PIPE AND UTILITY TRENCH SHALL BE BACKFILLED WITH A CRUSHED STONE MATERIAL SUCH AS PADOT #2A OR APPROVED SUBSTITUTE FOR ITS ENTIRE DEPTH.

### SANITARY LATERAL:

- THE SITE CONSTRUCTION CONTRACT SHALL PROVIDE/INSTALL THE SANITARY SEWER LATERAL PIPING AND CLEANOUTS TO WITHIN 5 FT. OF THE BUILDING.
- PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE SITE CONTRACTOR. THE PLUMBING CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR CONNECTING THE SANITARY LINE FROM THE BUILDING TO THE CLEAN-OUT OUTSIDE THE BUILDING. SANITARY LATERAL PIPE SHALL BE SDR 26 PVC PIPE WITH WATER-TIGHT PUSH-ON JOINTS.

### UNDERGROUND ROOF DRAIN PIPE:

- SITE CONTRACTOR SHALL BE RESPONSIBLE TO INSTALL ALL ROOF DRAIN PIPE UP TO FACE OF BUILDING AND TEMPORARY CAP WITH PLUG. ONLY ROOF DRAIN PIPE DESIGNATED TO GO THRU THE BUILDING WALL MAY BE INSTALLED 5 FEET FROM THE FACE OF BUILDING WITH A CLEAN-OUT AND WYE.
- PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE SITE CONTRACTOR.
- SITE CONTRACTOR SHALL TEMPORARILY PLUG THE WYE WITH A CAP WYE IN CONNECTION BY THE PLUMBING CONTRACTOR. THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR CONNECTING THE ROOF DRAIN PIPE FROM THE BUILDING TO THE CLEAN-OUT OUTSIDE OF THE BUILDING.

### ELECTRIC:

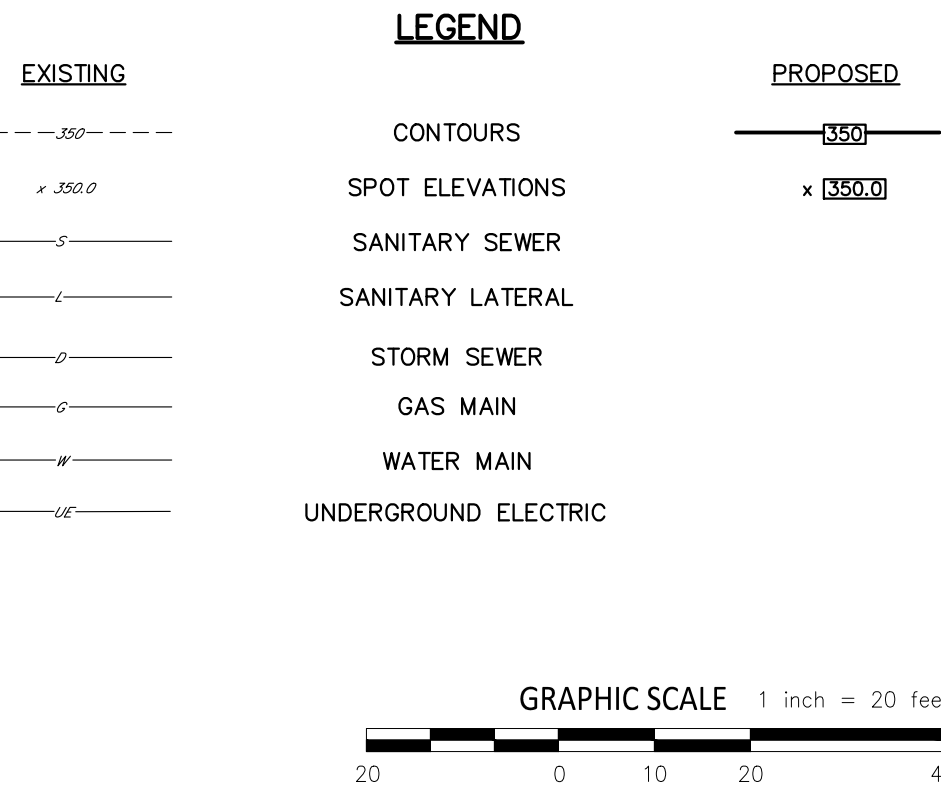
- ELECTRIC SHOWN FOR UTILITY COORDINATION PURPOSES ONLY. SEE MEP PLANS BY OTHERS FOR ELECTRICAL INSTALLATION REQUIREMENTS.
- CONDUIT PIPE/WIRE AND UTILITY TRENCH SHALL BE BACKFILLED WITH A CRUSHED STONE MATERIAL SUCH AS PADOT #2A OR APPROVED SUBSTITUTE FOR ITS ENTIRE DEPTH.

### COMMUNICATIONS:


- COMMUNICATIONS CONDUIT SHOWN FOR UTILITY COORDINATION PURPOSES ONLY. SEE MEP PLANS BY OTHERS FOR INSTALLATION REQUIREMENTS.
- CONTRACTOR SHALL COORDINATE WITH UTILITY AND MEP DESIGNER TO OBTAIN NECESSARY PERMITS AND ESTABLISH SOURCE LOCATION. THE CONTRACTOR SHALL INSTALL THE CONDUIT PIPE SIZE AND QUANTITY AS SHOWN ON THE ARCHITECTS AND MEP PLANS BY OTHERS. SEE MEP PLANS AND ARCHITECT PLANS FOR WIRE SIZING, QUANTITY, TYPE, AND GAUGE.
- THE JUNCTION BOX AND CONDUIT INSTALLATION SHALL MEET PADOT PUB 408 AND RC 82 STANDARDS.
- PROPERLY GROUND ANY EXPOSED METAL PARTS OF THE JUNCTION BOX AND PROVIDE PROOF OF GROUND.

### SANITARY SEWER NOTES:

1. ALL SANITARY SEWER IMPROVEMENTS SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE "DOMESTIC WASTEWATER FACILITIES MANUAL PER PADEP. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BE AWARE OF APPLICABLE STANDARDS AND SPECIFICATIONS AS WELL AS THE REQUIRED METHODS OF CONSTRUCTION. ALL DEVIATIONS FROM THE PLANS MUST BE APPROVED PRIOR TO CONSTRUCTION.
2. A MINIMUM OF 4' OF COVER IS REQUIRED OVER ALL SANITARY SEWER LINES. THE SEWER MAIN SHALL BE CONSTRUCTED TO THE LINE AND GRADE SHOWN ON THE PLANS.
3. THE CONTRACTOR IS RESPONSIBLE FOR ALL FIELD TESTING AND "RECORD DRAWINGS" PER THE MUNICIPAL AND/OR AUTHORITY REQUIREMENTS. THE CONTRACTOR SHALL MAINTAIN FIELD RECORDS OF THE LOCATION AND DEPTH OF ALL SANITARY SEWER LATERAL LOCATIONS AND SHALL PROVIDE THIS INFORMATION TO THE DESIGN ENGINEER FOR PREPARATION OF AS-BUILT DRAWINGS.
4. A MINIMUM VERTICAL SEPARATION OF 18" SHALL BE MAINTAINED BETWEEN ALL WATER AND SEWER CROSSINGS. IF THIS CLEARANCE CANNOT BE MAINTAINED, A CONCRETE ENCASEMENT SHALL BE PROVIDED.
5. 95% STANDARD PROCTOR FILL COMPACTION IS REQUIRED FOR ALL SANITARY SEWER FACILITIES LOCATED IN FILL MATERIAL. TESTING MUST BE IN ACCORDANCE WITH THE APPROPRIATE AASHTO AND ASTM STANDARDS.
6. ALL SANITARY SEWER MANHOLES WITHIN THE PUBLIC RIGHT-OF-WAY SHALL HAVE THE MANHOLE CONE SECTION ROTATED TO MINIMIZE IMPACTS WITHIN THE VEHICLE WHEEL PATHS.
7. ALL CLEANOUTS & SANITARY MANHOLES LOCATED WITHIN PAVED AREAS SHALL BE INSTALLED WITH TRAFFIC BEARING TOPS, TRAFFIC RATED FRAMES AND COVERS.
8. ALL PROPOSED SANITARY SEWERS WILL BE OFFERED FOR DEDICATION TO THE MUNICIPALITY AND/OR APPROPRIATE AUTHORITY.
9. A MINIMUM OF 0.1 FEET OF FALL SHALL BE PROVIDED THROUGH ALL SANITARY SEWER MANHOLES.
10. ALL SANITARY SEWER LATERAL AND MAINS AND APPURTENANCES SHALL BE TESTED FOR DEFLECTION AND JOINT LEAKAGE IN ACCORDANCE WITH PADEP REQUIREMENTS.



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|---|------------|---------------|-----|-----|---------|
| NO.   | DATE       | REVISION      | OWN | BY  | CHK. BY |
| 3   | 04-25-2023 | PADOT COMM.   | AHR | AHR |         |
| 2   | 03-29-2022 | ISSUE FOR BID | AHR | AHR |         |
| 1   | 02-27-2023 | PADOT HOP     | AHR | AHR |         |



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## UTILITY PLAN RECYCLING CENTER NETHER PROVIDENCE TOWNSHIP

| TOWNSHIP OF NETHER PROVIDENCE |          | DELAWARE COUNTY, PA |                               |
|-------------------------------|----------|---------------------|-------------------------------|
| DWN. BY: A.H.R.               | DSG. BY: | FIELD BOOK/PAGE     | SCALE DATE: 1" = 20' 11/15/22 |
| CHKD BY: C.J.C.               |          |                     | DRAWING NO. 83250-109G        |
|                               |          |                     | SHEET 7 OF 10 SHEETS          |

TOPSOIL & SEEDING NOTES:

1. PLACE ALL SEEDING, SOIL SUPPLEMENTS AND MULCHING ITEMS IN ACCORDANCE WITH THE REQUIREMENTS OF Pa.D.O.T PUBLICATION 408 DATED 2011, SEE LANDSCAPE PLAN FOR SEED FORMULA
2. AS SOON AS SLOPES, CHANNELS, DITCHES, AND OTHER DISTURBED AREAS REACH FINAL GRADE, THEY MUST BE STABILIZED IMMEDIATELY. IN ALL OTHER WATERSHED OTHER THAN A 'SPECIAL PROTECTED WATERSHED', CESSATION OF ACTIVITY FOR AT LEAST 4 DAYS REQUIRES TEMPORARY STABILIZATION. AREAS THAT WILL BE SUBJECT TO EARTHMOVING WITHIN 12 MONTHS MAY BE STABILIZED WITH TEMPORARY SEED MIXTURES, PREDOMINANTLY ANNUAL GRASSES. ALL OTHERS SHOULD BE STABILIZED WITH PERMANENT SEED MIXTURES -- PREDOMINANTLY PERENNIAL GRASSES. WHEN FINAL GRADE IS ACHIEVED DURING NON-GERMINATING MONTHS, THE AREA SHOULD BE MULCHED UNTIL THE BEGINNING OF THE NEXT PLANTING SEASON.
3. HOWEVER, THE AREA WILL NOT BE CONSIDERED STABILIZED UNTIL A MINIMUM UNIFORM 70% VEGETATIVE COVER OF EROSION RESISTANT PERENNIAL SPECIES HAS BEEN ACHIEVED. CRITICAL AREAS : ERODIBLE SOILS, WITHIN 50 FEET OF A SURFACE WATER, ETC. SHOULD BE BLANKETED.
4. TEMPORARY EROSION CONTROL BMP'S THAT WERE INSTALLED FOR THE EARTHMOVING PHASE OF THE PROJECT MUST REMAIN IN PLACE AND BE MAINTAINED IN WORKING ORDER UNTIL PERMANENT STABILIZATION IS ACHIEVED. NOTE: AREAS THAT DO NOT RECEIVE SUFFICIENT SUNLIGHT TO SUPPORT VEGETATION (E.G. UNDER BRIDGE DECKS) SHOULD BE STABILIZED BY SOME MEANS OTHER THAN VEGETATION.
5. AS DISTURBED AREAS WITHIN A PROJECT APPROACH FINAL GRADE, THE CONTRACTOR SHOULD MAKE PREPARATIONS FOR SEEDING AND MULCHING TO BEGIN (I.E. ANTICIPATE THE COMPLETION DATE AND SCHEDULE THE SEEDER). IN NO CASE SHOULD AN AREA EXCEEDING 15,000 SQUARE FEET, WHICH IS TO BE STABILIZED BY VEGETATION, REACH FINAL GRADE WITHOUT BEING SEEDED AND MULCHED. WAITING UNTIL EARTHMOVING IS COMPLETED BEFORE MAKING PREPARATIONS FOR SEEDING AND MULCHING IS NOT ACCEPTABLE.
6. SURFACE PREPARATION PRIOR TEMPORARY AND PERMANENT VEGETATIVE SURFACE STABILIZATION.
7. THE FOLLOWING ACTIVITIES SHALL BE UNDERTAKEN TO ACHIEVE STABILIZATION OF ALL EXPOSED AND DISTURBED SOIL AREAS AS REQUIRED OR DIRECTED.
  - 1) TILLING - UPON SUSPENSION OF GRADING ACTIVITIES IN DISTURBED AREAS, SURFACE SOIL SHALL BE TILLED AND LOOSENED. TILLING MAY BE OMITTED IF SOIL IS SUFFICIENTLY LOOSE TO PERMIT SEEDING ACTIVITIES.
  - 2) LIMES APPLICATION - GROUND LIMESTONE SHALL BE APPLIED TO THE LOOSENED SOIL AT A UNIFORM RATE WITH AGRICULTURAL GRADE LIMESTONE PER THE E&S PLAN.
  - 3) FERTILIZER APPLICATION -FERTILIZER SHALL BE APPLIED TO THE LOOSENED SOIL AT A UNIFORM RATE PER THE E&S PLAN

TEMPORARY STABILIZATION WITH SEEDING

1. TEMPORARY SEED MIXTURE SHALL BE APPLIED TO THE PREPARED SOIL SURFACE BY BROADCAST SPREADERS OR HYDRAULIC APPLICATION ACCORDING TO THE RATES OF APPLICATION SHOWN ON THE STANDARD E&S WORKSHEET #21. AFTER SEEDING, SEED SHALL BE COVERED BY MEANS OF LIGHT RAKING TO A DEPTH OF ONE QUARTER INCH OF SOIL.
2. STRAW AND HAY MULCH SHOULD BE ANCHORED OR TACKIFIED IMMEDIATELY AFTER APPLICATION TO PREVENT BEING WINDBLOWN. A TRACTOR-DRAWN THE HAY INTO THE SOIL. ABOUT 3 INCHES ON SLOPES NO STEEPER THAN 3H:1V. THE MACHINERY SHOULD ? CRIMP? IMPLEMENT MAY BE USED TO BE OPERATED ON THE CONTOUR. (NOTE: CRIMPING OF HAY OR STRAW BY RUNNING OVER IT WITH TRACKED MACHINERY IS NOT RECOMMENDED.) SYNTHETIC BINDERS OR CHEMICAL BINDERS MAY BE USED AS RECOMMENDED BY THE MANUFACTURER TO ANCHOR MULCH PROVIDED SUFFICIENT DOCUMENTATION IS PROVIDED TO SHOW THEY ARE NON-TOXIC TO NATIVE PLANT AND ANIMAL SPECIES. MULCH ON SLOPES OF 8% OR STEEPER SHOULD BE HELD IN PLACE WITH NETTING. LIGHTWEIGHT PLASTIC, FIBER, OR PAPER NETS MAY BE STAPLED OVER THE MULCH ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

TEMPORARY STABILIZATION WITH MULCH DURING NON-GERMINATION PERIODS

DURING NON-GERMINATION PERIODS, MULCH MUST BE APPLIED TO DISTURBED AREAS. THE NON-GERMINATION PERIOD IS GENERALLY THE PERIOD FROM OCTOBER 15 TO MARCH 15. AREAS MULCHED DURING NON-GERMINATION PERIODS MUST BE LIMED, FERTILIZED, SEEDED AND MULCHED IMMEDIATELY.

PERMANENT VEGETATIVE SURFACE STABILIZATION

1. BEFORE THE SEEDING BEGINS, TOPSOIL SHOULD BE APPLIED AND ANY REQUIRED SOIL AMENDMENTS WORKED INTO THE SOIL TO A DEPTH OF 4 TO 6 INCHES. TOPSOIL SHOULD NOT BE PLACED WHILE THE TOPSOIL OR SUBSOIL IS IN A FROZEN OR MUDDY CONDITION. WHEN THE SUBSOIL IS EXCESSIVELY WET, OR IN A CONDITION THAT MAY OTHERWISE BE DETRIMENTAL TO PROPER GRADING AND SEEDBED PREPARATION, COMPACTED SOILS SHOULD BE SCARIFIED 6 TO 12 INCHES ALONG CONTOUR WHEREVER POSSIBLE PRIOR TO SEEDING
2. PERMANENT SEEDING -SEED MIXTURE SHALL BE APPLIED TO THE PREPARED SOIL SURFACE BY BROADCAST SPREADERS OR HYDRAULIC APPLICATION ACCORDING TO THE RATES OF APPLICATION SHOWN ON THE STANDARD E&S WORKSHEET #21. AFTER SEEDING, SEED SHALL BE COVERED BY MEANS OF LIGHT RAKING TO A DEPTH OF ONE QUARTER INCH OF TOPSOIL.
3. STRAW AND HAY MULCH SHOULD BE ANCHORED OR TACKIFIED IMMEDIATELY AFTER APPLICATION TO PREVENT BEING WINDBLOWN. A TRACTOR-DRAWN THE HAY INTO THE SOIL. ABOUT 3 INCHES ON SLOPES NO STEEPER THAN 3H:1V. THE MACHINERY SHOULD ?CRIMP? IMPLEMENT MAY BE USED TO BE OPERATED ON THE CONTOUR. (NOTE: CRIMPING OF HAY OR STRAW BY RUNNING OVER IT WITH TRACKED MACHINERY IS NOT RECOMMENDED.) SYNTHETIC BINDERS OR CHEMICAL BINDERS MAY BE USED AS RECOMMENDED BY THE MANUFACTURER TO ANCHOR MULCH PROVIDED SUFFICIENT DOCUMENTATION IS PROVIDED TO SHOW THEY ARE NON-TOXIC TO NATIVE PLANT AND ANIMAL SPECIES. MULCH ON SLOPES OF 8% OR STEEPER SHOULD BE HELD IN PLACE WITH NETTING. LIGHTWEIGHT PLASTIC, FIBER, OR PAPER NETS MAY BE STAPLED OVER THE MULCH ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

MAINTENANCE OF E&S CONTROL FACILITIES:

1. INSPECTION SCHEDULE: INSPECT ALL BMP'S ON A WEEKLY BASIS AND AFTER EACH STORM WATER EVENT.
2. MAXIMUM SEDIMENT STORAGE LEVEL IN BMP'S:
  - 2.1. COMPOST SILT SOCK -  $\frac{1}{2}$  HEIGHT OF SOCK
  - 2.2. ROCK FILTER OUTLET -  $\frac{1}{2}$  HEIGHT OF OUTLET
  - 2.3. INLET PROTECTION -  $\frac{1}{2}$  FULL OR FLOODING/BYPASS OCCURS
  - 2.4. COMPOST SOCK WASHOUT -  $\frac{1}{2}$  HEIGHT OF SOCK
3. MAINTENANCE/REPAIR TIME FRAME: ALL BMP'S SHALL BE MAINTAINED THROUGHOUT THE PROJECT UNTIL THE SITE IS COMPLETELY STABILIZED. ANY NEEDED REPAIRS MUST BE MADE IMMEDIATELY TO MAINTAIN ALL FACILITIES AS DESIGNED.
4. SEEDED AREAS: FERTILIZE AND RESEED AS NECESSARY TO MAINTAIN A DENSE VEGETATIVE COVER.
5. ALL MULCHED AREAS WILL BE FREQUENTLY CHECKED AND CLOSELY MONITORED WITH RESPECT TO THEIR EFFECTIVENESS IN CONTROLLING EROSION STORM RUNOFF VELOCITIES AND SEDIMENT TRANSPORT. AREAS SHALL BE RE-MULCHED AS OFTEN AS NECESSARY UNTIL ADEQUATE GROUND COVER IS ESTABLISHED.
6. INLET PROTECTION : SHOULD THE FABRIC ON AN INLET PROTECTION DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER STILL BE NECESSARY, IT SHALL BE REPLACED PROMPTLY. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT.
7. COMPOST SILT SOCKS, SILT BARRIER FENCE AND/OR SEDIMENT FILTER LOG : SHOULD THE FABRIC ON AN SILT FENCE OR BARRIER DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER STILL BE NECESSARY, IT SHALL BE REPLACED PROMPTLY. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT.
8. ROCK CONSTRUCTION ENTRANCE: ADD NEW STONE AS REQUIRED.
9. KEEP ALL ROADWAYS, ADJACENT PROPERTIES, AND WATER COURSES FREE FROM ALL DEBRIS, DROPPINGS AND SEDIMENT. IMMEDIATELY REMOVE ANY SUCH OCCURRENCES.
4. DISPOSAL: UNSUITABLE MATERIAL SHALL BE HAULED FROM THE SITE FOR PROPER DISPOSAL.
5. THE CONTRACTOR MUST MAINTAIN A WRITTEN LOG DOCUMENTING ALL INSPECTION DATES, INSPECTED BMP'S AND LIST OF ALL REPAIR /REPLACEMENT MEASURES TAKEN.

DCCD STANDARD E&S NOTES:

1. VEHICLES AND EQUIPMENT MAY NEITHER ENTER DIRECTLY TO NOR EXIT DIRECTLY FROM SITE ONTO PUBLIC ROAD
2. STOCKPILE HEIGHTS MUST NOT EXCEED 35 FEET. STOCKPILE SLOPES MUST BE 2:1 OR FLATTER.
3. THE OPERATOR SHALL ASSURE THAT THE APPROVED EROSION AND SEDIMENT CONTROL PLAN IS PROPERLY AND COMPLETELY IMPLEMENTED UNTIL THE SITE ACHIEVES FINAL STABILIZATION. THE OPERATOR SHALL ASSURE THAT THE BEST MANAGEMENT PRACTICES ARE IMPLEMENTED, OPERATED, AND MAINTAINED PROPERLY AND COMPLETELY. MAINTENANCE SHALL INCLUDE INSPECTIONS OF ALL BEST MANAGEMENT PRACTICE FACILITIES. THE OPERATOR SHALL MAINTAIN AND MAKE AVAILABLE TO LOCAL CONSERVATION DISTRICT COMPLETE, WRITTEN INSPECTION LOGS OF ALL THOSE INSPECTIONS. ALL MAINTENANCE WORK, INCLUDING CLEANING, REPAIR, REPLACEMENT, REGRADING, AND RE-STABILIZATION SHALL BE PERFORMED IMMEDIATELY.
4. IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION, THE OPERATOR SHALL IMPLEMENT APPROPRIATE BEST MANAGEMENT PRACTICES TO ELIMINATE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION.
5. BEFORE INITIATING ANY REVISIONS TO THE APPROVED EROSION AND SEDIMENT CONTROL PLAN OR REVISIONS TO OTHER PLANS WHICH MAY AFFECT THE EFFECTIVENESS OF THE APPROVED E&S CONTROL PLAN, THE OPERATOR MUST RECEIVE APPROVAL OF THE REVISIONS FROM THE LOCAL CONSERVATION DISTRICT.
6. THE OPERATOR SHALL ASSURE THAT AN EROSION AND SEDIMENT CONTROL PLAN HAS BEEN PREPARED, APPROVED BY THE LOCAL CONSERVATION DISTRICT, AND IS BEING IMPLEMENTED AND MAINTAINED FOR ALL SOIL AND/OR ROCK SPOIL AND BORROW AREAS, REGARDLESS OF THEIR LOCATIONS.
7. ALL PUMPING OF SEDIMENT LADEN WATER SHALL BE THROUGH A SEDIMENT CONTROL BMP, SUCH AS A PUMPED WATER FILTER BAG DISCHARGING OVER NON-DISTURBED AREAS.
8. THE OPERATOR IS ADVISED TO BECOME THOROUGHLY FAMILIAR WITH THE PROVISIONS OF THE APPENDIX 64, EROSION CONTROL RULES AND REGULATIONS, TITLE 25, PART 1, DEPARTMENT OF ENVIRONMENTAL PROTECTION, SUBPART C, PROTECTION OF NATURAL RESOURCES, ARTICLE III, WATER RESOURCES, CHAPTER 102, EROSION CONTROL.
9. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN MUST BE AVAILABLE AT THE PROJECT SITE AT ALL TIMES.
10. THE E&S CONTROL PLAN MAPPING MUST DISPLAY A PA ONE CALL SYSTEM INCORPORATED SYMBOL, INCLUDING THE SITE IDENTIFICATION NUMBER.
11. ONLY LIMITED DISTURBANCE WILL BE PERMITTED TO PROVIDE ACCESS TO SITE FOR GRADING AND ACQUIRING BORROW TO CONSTRUCT THOSE BMP'S.
12. EROSION AND SEDIMENT BMP'S MUST BE CONSTRUCTED, STABILIZED, AND FUNCTIONAL BEFORE SITE DISTURBANCE BEGINS WITHIN THE TRIBUTARY AREAS OF THOSE BMP'S.
13. AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY EROSION AND SEDIMENT BMP CONTROLS MUST BE REMOVED. AREAS DISTURBED DURING REMOVAL OF THE BMP'S MUST BE STABILIZED IMMEDIATELY.
14. IMMEDIATELY AFTER EARTH DISTURBANCE ACTIVITIES CEASE, THE OPERATOR SHALL STABILIZE ANY AREAS DISTURBED BY THE ACTIVITIES. DURING NON-GERMINATING PERIODS, MULCH MUST BE APPLIED AT THE SPECIFIED RATES. DISTURBED AREAS WHICH ARE NOT AT FINISHED GRADE AND WHICH WILL BE RE-DISTURBED WITHIN 1 YEAR MUST BE STABILIZED IN ACCORDANCE WITH THE PERMANENT VEGETATIVE STABILIZATION SPECIFICATIONS.
15. AN AREA SHALL BE CONSIDERED TO HAVE ACHIEVED FINAL STABILIZATION WHEN IT HAS A MINIMUM UNIFORM 70% PERENNIAL VEGETATIVE COVER OR OTHER PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED SURFACE EROSION AND SUBSURFACE CHARACTERISTICS SUFFICIENT TO RESIST SLIDING AND OTHER MOVEMENTS.
16. APPROVAL OF THE USE OF SKIMMER(S) DOES NOT APPROVE USE OF ANY SKIMMER(S) IN VIOLATION OF ANY PATENT, PATENT RIGHTS, AND/OR PATENT LAW.
17. BAFFLES MUST BE INSTALLED TO ALLOW BASIN MAINTENANCE AND CLEAN OUT.
18. UPON INSTALLATION OF THE TEMPORARY SEDIMENT BASIN RISER(S), AN IMMEDIATE INSPECTION OF THE RISER(S) SHALL BE CONDUCTED BY A QUALIFIED SITE REPRESENTATIVE AND LOCAL CONSERVATION DISTRICT SHALL BE NOTIFIED IN WRITING THAT THE RISER IS SEALED.
19. SEDIMENT BASINS MUST BE PROTECTED FROM UNAUTHORIZED ACTS OF THIRD PARTIES.

OTHER BMP'S

20. SEDIMENT MUST BE REMOVED FROM STORM WATER INLET PROTECTION AFTER EACH RUNOFF EVENT.
21. AT STREAM CROSSINGS, 50 FOOT BUFFER AREAS SHOULD BE MAINTAINED. ON BUFFERS, CLEARING, SOD DISTURBANCES, EXCAVATION, AND EQUIPMENT TRAFFIC SHOULD BE MINIMIZED. ACTIVITIES SUCH AS STACKING LOGS, BURNING CLEARED BRUSH, DISCHARGING RAINWATER FROM TRENCHES, WELDING PIPE SECTIONS, REFUELING AND MAINTAINING EQUIPMENT SHOULD BE ACCOMPLISHED OUTSIDE OF BUFFERS.

TEMPORARY STABILIZATION & PERMANENT STABILIZATION

22. HAY OR STRAW MULCH MUST BE APPLIED AT 3.0 TONS PER ACRE.
23. MULCH WITH MULCH CONTROL NETTING OR EROSION CONTROL BLANKETS MUST BE INSTALLED ON ALL SLOPES 3:1 AND STEEPER.
24. STRAW MULCH SHALL BE APPLIED IN LONG STRANDS, NOT CHOPPED OR FINELY BROKEN.
25. UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT BMP'S MUST BE MAINTAINED PROPERLY. MAINTENANCE MUST INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENT CONTROL BMP'S AFTER EACH RUNOFF EVENT AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REGARDING, RESEEDING, RE-MULCHING, AND RE-NETTING, MUST BE PERFORMED IMMEDIATELY, IF EROSION AND SEDIMENT CONTROL BMP'S FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMP'S, OR MODIFICATIONS OF THOSE INSTALLED WILL BE REQUIRED.
26. SEDIMENT REMOVED FROM BMP'S SHALL BE DISPOSED OF IN LANDSCAPED AREAS OUTSIDE OF STEEP SLOPES, WETLANDS, FLOODPLAINS OR DRAINAGE SWALES AND IMMEDIATELY STABILIZED, OR PLACED IN TOPSOIL STOCKPILES.

NPDES NOTES

27. THE NPDES BOUNDARY IS EQUAL TO THE PROPERTY BOUNDARY AND ANY OFF-SITE AREAS OUTSIDE THE LIMITS OF DISTURBANCE AND/OR PROPERTY BOUNDARY THAT ARE THE RESPONSIBILITY OF THE DEVELOPER TO INSTALL SUCH AS, BUT NOT LIMITED TO, OFF-SITE UTILITIES AND ROADWAY IMPROVEMENTS.
28. THE PROJECT'S RECEIVING WATERCOURSE IS LITTLE CRUM CREEK, AND THE CHAPTER 93 CLASSIFICATION IS WWF & MF.

GENERAL E&S NOTES:

1. TOTAL LIMITS OF DISTURBANCE = ±2.55 ACRES
2. AREAS TO BE FILLED SHALL BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS AND OTHER OBJECTIONABLE MATERIAL PRIOR TO PLACING FILL.
3. CLEARING, GRUBBING, AND TOPSOIL STRIPPING SHALL BE LIMITED TO THOSE AREAS DESCRIBED IN EACH STAGE OF THE CONSTRUCTION SEQUENCE. GENERAL SITE CLEARING, GRUBBING AND TOPSOIL STRIPPING MAY NOT COMMENCE IN ANY STAGE OR PHASE OF THE PROJECT UNTIL THE E&S BMP'S SPECIFIED BY THE BMP SEQUENCE FOR THAT STAGE OR PHASE HAVE BEEN INSTALLED AND ARE FUNCTIONING AS DESCRIBED IN THIS E&S PLAN.
4. TOPSOIL REQUIRED FOR THE ESTABLISHMENT OF VEGETATION SHALL BE EITHER STOCKPILED AT THE SITE IN THE AMOUNT NECESSARY TO COMPLETE THE FINISH GRADING OF ALL EXPOSED AREAS THAT ARE TO BE STABILIZED BY VEGETATION OR IMPORTED TO THE SITE AS NEEDED. EACH STOCKPILE SHALL BE PROTECTED IN THE MANNER SHOWN ON THE PLAN DRAWINGS.
5. IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION, THE OPERATOR SHALL IMPLEMENT APPROPRIATE BEST MANAGEMENT PRACTICES TO MINIMIZE THE POTENTIAL FOR EROSION AND SEDIMENT POLLUTION AND NOTIFY THE LOCAL CONSERVATION DISTRICT AND/OR THE REGIONAL OFFICE OF THE DEPARTMENT.
6. ALL OFF-SITE WASTE AND BORROW AREAS MUST HAVE AN E&S PLAN APPROVED BY THE LOCAL CONSERVATION DISTRICT OR THE DEPARTMENT FULLY IMPLEMENTED PRIOR TO BEING ACTIVATED.
7. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ANY MATERIAL BROUGHT ON SITE IS CLEAN FILL. FORM FP-001 MUST BE RETAINED BY THE PROPERTY OWNER FOR ANY FILL MATERIAL AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE BUT QUALIFYING AS CLEAN FILL DUE TO ANALYTICAL TESTING.
8. A LOG SHOWING DATES THAT E&S BMP'S WERE INSPECTED AS WELL AS ANY DEFICIENCIES FOUND AND THE DATE THEY WERE CORRECTED SHALL BE MAINTAINED ON THE SITE AND BE MADE AVAILABLE TO REGULATORY AGENCY OFFICIALS AT THE TIME OF INSPECTION.
9. SEDIMENT TRACKED ONTO ANY PUBLIC ROADWAY OR SIDEWALK SHALL BE RETURNED TO THE CONSTRUCTION SITE BY THE END OF EACH WORK DAY AND DISPOSED IN THE MANNER DESCRIBED IN THIS PLAN. IN NO CASE SHALL THE SEDIMENT BE WASHED, SHOVELED, OR SWEEP INTO ANY ROADSIDE DITCH, STORM SEWER, OR SURFACE WATER.
10. ALL FILLS SHALL BE COMPACTED AS REQUIRED TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, SUBSIDENCE OR OTHER RELATED PROBLEMS. FILL INTENDED TO SUPPORT BUILDINGS, STRUCTURES AND CONDUITS, ETC. SHALL BE COMPACTED IN ACCORDANCE WITH LOCAL REQUIREMENTS OR CODES.
11. ALL EARTHEN FILLS SHALL BE PLACED IN COMPACTED LAYERS NOT TO EXCEED 9 INCHES IN THICKNESS OR AS REQUIRED BY THE GEOTECHNICAL ENGINEER.
12. FILL MATERIALS SHALL BE FREE OF FROZEN PARTICLES, BRUSH, ROOTS, SOD, OR OTHER FOREIGN OR OBJECTIONABLE MATERIALS THAT WOULD INTERFERE WITH OR PREVENT CONSTRUCTION OF SATISFACTORY FILLS. FILL SHALL NOT BE PLACED ON SATURATED OR FROZEN SURFACES.
13. SEEPS OR SPRINGS ENCOUNTERED DURING CONSTRUCTION SHALL BE HANDLED IN ACCORDANCE WITH THE STANDARD AND SPECIFICATION FOR SUBSURFACE DRAIN OR OTHER APPROVED METHOD.
14. ALL GRADED AREAS SHALL BE PERMANENTLY STABILIZED IMMEDIATELY UPON REACHING FINISHED GRADE. CUT SLOPES IN COMPETENT BEDROCK AND ROCK FILLS NEED NOT BE VEGETATED. SEEDED AREAS WITHIN 50 FEET OF A SURFACE WATER, OR AS OTHERWISE SHOWN ON THE PLAN DRAWINGS, SHALL BE BLANKETED ACCORDING TO THE STANDARDS OF THIS PLAN.
15. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATOR SHALL CONTACT THE LOCAL CONSERVATION DISTRICT FOR AN INSPECTION PRIOR TO REMOVAL/CONVERSION OF THE E&S BMP'S.
16. FAILURE TO CORRECTLY INSTALL E&S BMP'S, FAILURE TO PREVENT SEDIMENT-LADEN RUNOFF FROM LEAVING THE CONSTRUCTION SITE, OR FAILURE TO TAKE IMMEDIATE CORRECTIVE ACTION TO RESOLVE FAILURE OF E&S BMP'S MAY RESULT IN ADMINISTRATIVE, CIVIL, AND/OR CRIMINAL PENALTIES BEING INSTITUTED BY THE DEPARTMENT AS DEFINED IN SECTION 602 OF THE PENNSYLVANIA CLEAN STREAMS LAW. THE CLEAN STREAMS LAW PROVIDES FOR UP TO \$10,000 PER DAY IN CIVIL PENALTIES, UP TO \$10,000 IN SUMMARY CRIMINAL PENALTIES, AND UP TO \$25,000 IN MISDEMEANOR CRIMINAL PENALTIES FOR EACH VIOLATION.
17. CLEAN FILL - UNCONTAMINATED, NON-WATER SOLUBLE, NON-DECOMPOSABLE, INERT, SOLID MATERIAL. THIS INCLUDES SOIL, ROCK, STONE, DREDGED MATERIAL, USED ASPHALT, AND BRICK, BLOCK OR CONCRETE FROM CONSTRUCTION AND DEMOLITION ACTIVITIES THAT IS SEPARATE FROM OTHER WASTE AND IS RECOGNIZABLE AS SUCH. IT DOES NOT INCLUDE MATERIALS PLACED IN OR ON THE SURFACE WATERS UNLESS OTHERWISE AUTHORIZED, MILLED ASPHALT, OR ASPHALT THAT HAS BEEN PROCESSED FOR RE-USE.

PREPAREDNESS, PREVENTION & CONTINGENCY PLAN (PPC PLAN):

1. CONTRACTOR IS RESPONSIBLE TO PREPARE PPC PLAN FOR THE PROPOSED CONSTRUCTION ACTIVITIES TO PREVENT THE POTENTIAL DISCHARGE OF POLLUTANTS IN TO THE STREAM.
2. SUBMIT PPC PLAN TO THE ENGINEER FOR REVIEW PRIOR TO COMMENCING EARTH DISTURBANCE

SEQUENCE OF EARTH MOVING OPERATIONS:

ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE FOLLOWING SEQUENCE. EACH STAGE SHALL BE COMPLETED BEFORE ANY FOLLOWING STAGE IS INITIATED. CLEARING AND GRUBBING SHALL BE LIMITED ONLY TO THOSE AREAS DESCRIBED IN EACH STAGE.

AT LEAST 7 DAYS BEFORE STARTING ANY EARTH DISTURBANCE ACTIVITIES, THE CONTRACTOR SHALL INVITE ALL OTHER CONTRACTORS INVOLVED IN THESE ACTIVITIES, THE LANDOWNER, AND ALL APPROPRIATE MUNICIPAL OFFICIALS. TO SCHEDULE AN ON-SITE MEETING.

AT LEAST 3 DAYS BEFORE STARTING ANY EARTH DISTURBANCE ACTIVITIES, ALL CONTRACTORS INVOLVED IN THOSE ACTIVITIES SHALL NOTIFY THE PA ONE CALL SYSTEM INC. AT 1-800-242-1776 OR 811 FOR BURIED UTILITIES LOCATIONS.

NO FIELD REVISIONS TO THE APPROVED E&S PLANS ARE ALLOWED UNLESS APPROVAL IS RECEIVED BY THE LOCAL COUNTY CONSERVATION DISTRICT.

1. THE SITE CONTRACTOR SHALL BE RESPONSIBLE TO KEEP DIRT/MUD OFF OF PUBLIC ROADS. IF THE SITE CONTRACTOR FAILS TO DO SO, THEN THE OWNER SHALL REQUIRE THE CONTRACTOR TO INSTALL THE TEMPORARY ROCK CONSTRUCTION ENTRANCE/TIRE SCRUBBER AS DESIGNATED ON THE PLANS. ACCESS TO THIS SITE SHALL BE LIMITED TO THE CONSTRUCTION ENTRANCE SHOWN ON THE PLAN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE AND PROTECTION OF TRAFFIC TO ENSURE SEDIMENT IS NOT TRACKED ONTO TO PUBLIC ROADS.
2. INSTALL ORANGE BARRIER FENCE TO DELINEATE THE LIMITS OF DISTURBANCE.
3. INSTALL ALL TEMPORARY COMPOST FILTER SOCK WITHIN THE DESIGNATED LIMITS OF DISTURBANCE AS INDICATED ON THE E&S CONTROL PLAN.
4. CLEAR, GRUB, STRIP AND STOCKPILE TOPSOIL FOR THOSE AREAS TO BE GRADED AS SHOWN ON THE E&S CONTROL PLANS. STRIPPING OF TOPSOIL SHALL BE KEPT TO A MINIMUM FOR THOSE AREAS BEING RE-GRADED AT A GIVEN TIME. STOCKPILES SHALL BE PLACED IN AN AREA NOT SUBJECT TO EROSION AND SURROUNDED BY A SILT FENCE ALONG THE DOWN SLOPE PERIMETER. EXCESS TOPSOIL TO BE HAULED OFF SITE TO AN APPROVED NPDES SITE/FACILITY.
5. INITIATE ROUGH GRADING ACTIVITIES REQUIRED TO ACHIEVE THE PROPOSED GRADES AS SHOWN ON THE E&S CONTROL PLANS. DISTURBANCE SHALL BE LIMITED ONLY TO THAT AREA BEING GRADED AT A GIVEN TIME. GRADE SITE SO AS NOT TO TRAP WATER UPSTREAM OF EROSION CONTROL DEVICES.
6. INSTALL INLETS/STORM SEWER SYSTEM AND INLET FILTERS IF NECESSARY, TEMPORARILY PLUG ALL STORM STRUCTURES AND PIPE OPENINGS
7. EXCAVATE AND CONSTRUCT ON-SITE IMPROVEMENTS INCLUDING UNDERGROUND UTILITIES, UNDERGROUND BASINS (CRITICAL STAGE), BUILDING, CURBING, AND LIGHT FOUNDATIONS. BACKFILL BUILDING FOUNDATION AS SOON AS POSSIBLE. CONTRACTOR MUST PROVIDE ADEQUATE DE-WATERING OF ANY TRENCHES THAT ENCOUNTER GROUNDWATER. INSTALL DRIVEWAY STONE BASE OVER PARKING LOT SUBGRADE AREAS AS TEMPORARY STABILIZATION AS SOON AS GRADE IS ESTABLISHED.
8. CONSTRUCT/INSTALL PAVEMENT BINDER COURSE, CRITICAL STAGE - RAIN GARDEN, FINAL SITE GRADING. INSTALL BITUMINOUS PAVING AND CONCRETE. IMPLEMENT TEMPORARY VEGETATIVE STABILIZATION PROCEDURES.
9. AS CONSTRUCTION PROGRESSES, MAINTAIN SHEET FLOW OF SURFACE RUNOFF TOWARD THE COMPOST FILTER SOCK.
10. ONCE SITE IS BROUGHT TO GRADE, REMOVE INLET CAPS AND INSTALL INLET PROTECTION.
11. COMMENCE REPLACEMENT OF TOPSOIL, LANDSCAPING, AND COMPLETE PERMANENT VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS WHICH ARE AT FINAL GRADE.
12. INSTALL WEARING COURSE IN PAVED AREAS.
13. WHEN SITE IS AT 70% UNIFORM PERENNIAL VEGETATIVE COVER, REMOVAL OF TEMPORARY CONTROLS MAY COMMENCE. UPON STABILIZATION OF ALL DISTURBED AREAS REMOVE ALL E&S FACILITIES AND MEASURES, INCLUDING FILTER FABRIC FENCE, INLET FILTERS, ROCK FILTERS, ETC. STABILIZE ALL DISTURBED AREAS AFFECTED BY REMOVAL OF SILT FENCE.
14. THE CONTRACTOR MUST BE FAMILIAR WITH "EROSION AND SEDIMENT POLLUTION CONTROL MANUAL" BY PADEP, DATED MARCH 2012 OR LATEST EDITION. COPIES OF THE E&S PLANS MUST BE AVAILABLE ON SITE THROUGHOUT CONSTRUCTION.


GUIDE FOR REYCLING AND DISPOSING OF CONSTRUCTION WASTE:

1. THE OPERATOR SHALL PROPERLY REMOVE FROM THE SITE, RECYCLE, OR DISPOSE OF ALL BUILDING MATERIALS AND WASTES IN ACCORDANCE WITH THE STATES SOLID WASTE MANAGEMENT REGULATIONS 25 PA CODE 260.1 ET SEQ., 271.1 ET SEQ. AND 287.1 ET SEQ. THE CONTRACTOR SHALL NOT ILLEGALLY BURY, DUMP, OR DISCHARGE ANY BUILDING MATERIAL OR WASTES AT THIS SITE.
2. SOLID WASTE DISPOSAL: NO SOLID MATERIALS INCLUDING BUILDING MATERIALS ARE ALLOWED TO BE DISCHARGED FROM THE SITE WITH STORM WATER RUNOFF.
3. CONCRETE WASTE: CONCRETE WASTE, UNUSED CONCRETE AND CONCRETE WASH WATER FROM READY MIX TRUCKS CAN BE DISCHARGED ON SITE SOLELY IN DESIGNATED BERMED AREAS SPECIFICALLY PREPARED TO CONTAIN THE WASH WATER AND PREVENT IT FROM BEING DISCHARGED FROM THE SITE WITH STORM WATER RUNOFF .
4. DEMOLITION MATERIALS: DEMOLITION MATERIALS SHOULD BE SEPARATED INTO SALVAGEABLE MATERIALS, RECYCLABLE MATERIALS AND WASTE WHENEVER POSSIBLE.

SITE HOUSE KEEPING & MATERIALS MANAGEMENT NOTES:

1. WASTE MANAGEMENT - BUILDING MATERIALS AND OTHER CONSTRUCTION SITE WASTES MUST BE PROPERLY MANAGED AND DISPOSED OF TO REDUCE THE POTENTIAL FOR POLLUTION TO SURFACE AND GROUND WATERS IN ACCORDANCE WITH 25 PA CODE § 102.4(B)(5)(XI). IT IS ILLEGAL TO BURY, DUMP, OR DISCHARGE ANY BUILDING MATERIAL OR WASTE AT THIS SITE, SUCH AS, BUT NOT LIMITED TO, CONCRETE MATERIAL, BITUMINOUS MATERIALS, ETC.

|  |  |     |  |            |  |               |  |         |  |         |  |
|--|--|-----|--|------------|--|---------------|--|---------|--|---------|--|
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|  |  | 3   |  | 04-25-2023 |  | PADOT COMM.   |  | AHR     |  | AHR     |  |
|  |  | 2   |  | 03-29-2023 |  | ISSUE FOR BID |  | AHR     |  | AHR     |  |
|  |  | 1   |  | 02-27-2023 |  | PADOT HOP     |  | AHR     |  | AHR     |  |
|  |  | NO. |  | DATE       |  | REVISION      |  | DWN. BY |  | CHK. BY |  |



CATANIA ENGINEERING ASSOCIATES, INC.  
520 WEST MacDADE BLVD.  
MILFORD PARK, PA. 19033  
TEL. (610) 532-2854  
FAX. (610) 532-2923  
EMAIL: office10@cataniaengineering.com

EROSION CONTROL NOTES

RECYCLING CENTER

NETHER PROVIDENCE TOWNSHIP

CAUTION: TO INSURE VALIDITY OF PLAN, REPRODUCTION SEAL MUST BE IN RED INK.

TOWNSHIP OF NETHER PROVIDENCE

DELAWARE COUNTY, PA

DWN. BY A.H.R.

CHK. BY C.J.C.

DSG. BY \_\_\_\_\_

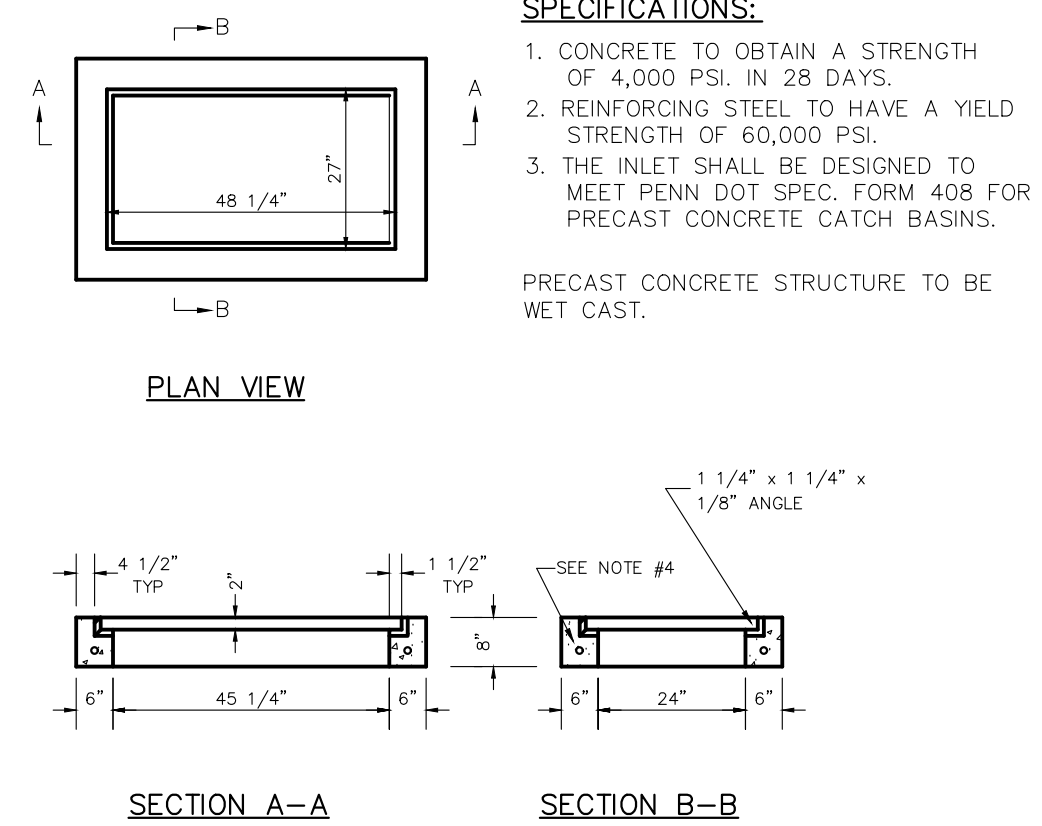
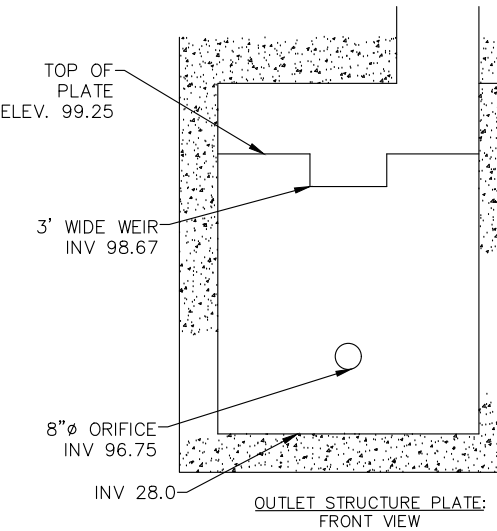
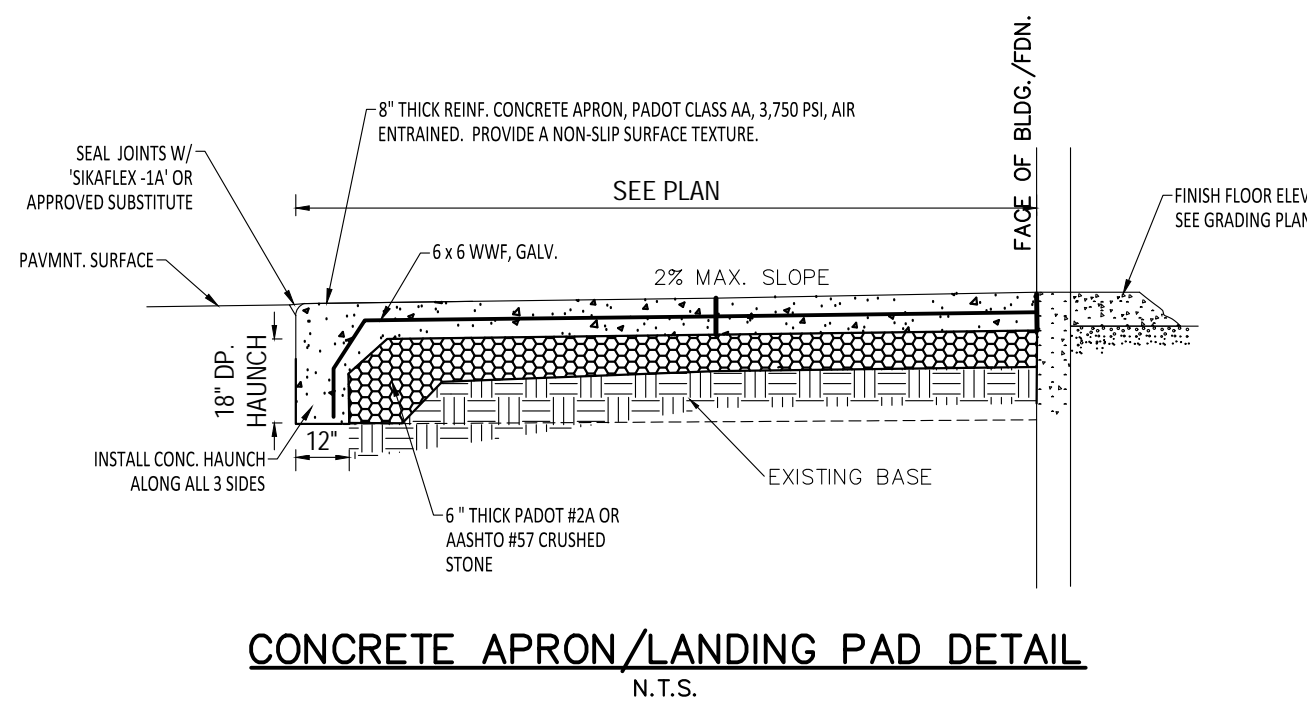
FIELD BOOK/PAGE \_\_\_\_\_

SCALE 1" = 20'

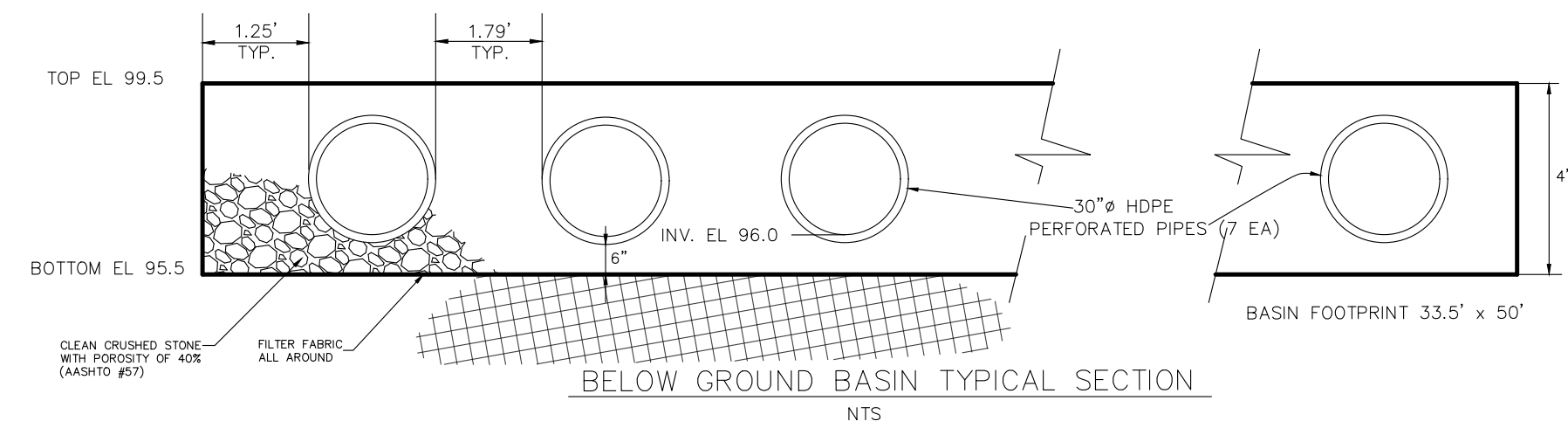
DATE 11/15/22

DRAWING NO. 83250-1096

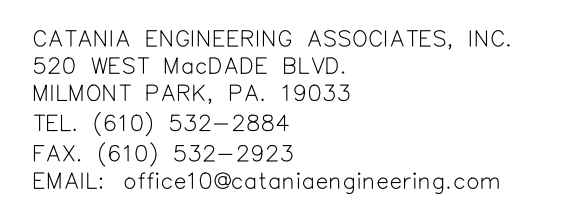
SHEET 8 OF 10 SHEETS



1. THE UNDERGROUND SEEPAGE BED (INFILTRATION BASIN) MAY NOT RECEIVE RUN-OFF UNTIL THE ENTIRE CONTRIBUTING DRAINAGE AREA TO THE INFILTRATION SYSTEM HAS OBTAINED FINAL STABILIZATION.
2. THE EXISTING SUBGRADE UNDER THE INFILTRATION BED SHALL NOT BE COMPACTED OR SUBJECTED TO EXCESSIVE CONSTRUCTION EQUIPMENT TRAFFIC PRIOR TO THE PLACEMENT OF THE GEOTEXTILE FABRIC AND STONE.
3. EXCAVATION FOR THE INFILTRATION FACILITY SHALL BE PERFORMED WITH EQUIPMENT WHICH WILL NOT COMPACT THE BOTTOM OF THE BASIN.
4. THE BOTTOM OF THE BED SHALL BE SCARIFIED PRIOR TO PLACEMENT OF AGGREGATE.
5. ONLY CLEAN AGGREGATE, FREE OF FINES, SHALL BE ALLOWED. USE AASHTO #57 STONE OR APPROVED SUBSTITUTE.
6. THE INFILTRATION BED SHOULD BE WRAPPED IN NON-WOVEN GEOTEXTILE FILTER FABRIC PER PA, STORMWATER BMP MANUAL.
7. WHERE VERTICAL WALLS ARE DIFFICULT TO MAINTAIN DURING CONSTRUCTION OF THE UNDERGROUND BASIN, BACKFILL OVEREXCAVATED AREAS WITH CRUSHED STONE.
8. IF BEDROCK OR GROUNDWATER IS ENCOUNTERED DURING CONSTRUCTION, CONTACT THE DESIGN ENGINEER IMMEDIATELY FOR DESIGN ALTERATIONS TO ACCOMMODATE ADJUSTED FIELD CONDITIONS.
9. IF APPLICABLE, SEAL ALL EDGES OF WEIR PLATE WITH SILICONE CAULK AND BOLT IN PLACE WITH STAINLESS STEEL BOLTS.



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| NO.  | DATE       | REVISION      |  | DWN. | CKD. BY |  |  |  |  |



## TOWNSHIP OF NETHER PROVIDENCE DELAWARE COUNTY, PA

|                       |               |                       |                       |                                    |
|-----------------------|---------------|-----------------------|-----------------------|------------------------------------|
| DWN. BY <u>A.H.R.</u> | DSG. BY _____ | FIELD BOOK/PAGE _____ | SCALE <u>1" = 10'</u> | DRAWING NO. <u>83250-109G</u>      |
| CKD. BY <u>C.J.C.</u> | _____         | _____                 | DATE <u>11/15/22</u>  | SHEET <u>9</u> OF <u>10</u> SHEETS |

