

COUNTY OF LEHIGH  
LEHIGH COUNTY JAIL  
BOLLARD INSTALLATION  
38 NORTH 4TH STREET  
ALLENTOWN, PENNSYLVANIA 18102



FEDETZ & MARTIN ASSOCIATES, P.C.  
ARCHITECTURE & PLANNING

1837 ROTH AVENUE  
ALLENTOWN, PA 18104

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Before You Dig Anywhere in PENNSYLVANIA STOP!  
CALL 1-800-242-1776 TOLL FREE

ABBREVIATIONS

|        |                          |          |                           |          |                           |            |                     |          |                          |        |                        |
|--------|--------------------------|----------|---------------------------|----------|---------------------------|------------|---------------------|----------|--------------------------|--------|------------------------|
| A.C.   | AIR CONDITIONING         | DN.      | DOWN                      | GALV.    | GALVANIZED                | MLDG.      | MOLDING             | REG.     | REGISTER                 | T.     | TREAD                  |
| A.C.P. | ACOUSTICAL CEILING PANEL | DR.      | DOOR                      | G.C.     | GENERAL CONTRACTOR        | M.O.       | MASONRY OPENING     | REL.     | RELOCATE(D)              | T.B.   | TACK BOARD             |
| A.C.S. | ABOVE CONCRETE SLAB      | DWG.     | DRAWING                   | GL.      | GLASS                     | MTD.       | MOUNTED             | REQ'D.   | REQUIRED                 | T4B    | TOP & BOTTOM           |
| A.F.F. | ABOVE FINISH FLOOR       | EA       | EACH                      | G.W.B.   | GYPSUM WALL BOARD         | MTL.       | METAL               | RET.     | RETURN                   | TEL.   | TELEPHONE              |
| ALT.   | ALTERNATE                | E.C.     | ELECTRIC CONTRACTOR       | GTP. BD. | GYPSUM BOARD              | MTRL.      | MATERIAL            | REV.     | REVISION                 | TEMP.  | TEMPERED               |
| ALUM.  | ALUMINUM                 | ELEC.    | ELECTRIC                  | HC       | HANDI CAPPED              | N/A        | NOT APPLICABLE      | R.F.T.   | RUBBER FLOOR TILE        | TERR.  | TERRAZZO               |
| AT     | AT                       | ELEV.    | ELEVATION                 | H.C.     | HEATING CONTRACTOR        | N.I.C.     | NOT IN CONTRACT     | R.H.     | RIGHT HAND               | T4G    | TONGUE & GROOVE        |
| BD.    | BOARD                    | ENCL.    | ENCLOSURE                 | H.C.WD.  | HOLLOW CORE WOOD          | NOM.       | NOMINAL             | R.M.     | ROOM                     | THK.   | THICK (NESS)           |
| BLDG.  | BUILDING                 | EQ.      | EQUAL                     | HDWR.    | HARDWARE                  | N.T.S.     | NOT TO SCALE        | R.O.     | ROUGH OPENING            | TV.    | TELEVISION             |
| BLK.   | BLOCK                    | EQUIP.   | EQUIPMENT                 | H.M.     | HOLLOW METAL              | O.A.       | ON CENTER           | SCH.     | SCHEDULE                 | TYP.   | TYPICAL                |
| BLKG.  | BLOCKING                 | ETC.     | ET CETERA, AND SO FORTH   | HOR.     | HORIZONTAL                | O.C.       | OUTSIDE DIAMETER    | S.C.WD.  | SOLID CORE WOOD          | UC.    | UNDERCUT               |
| C      | CENTERLINE               | E.N.C.   | ELECTRIC WATER COOLER     | HR.      | HOUR                      | O.D.       | OVERHEAD            | S.D.     | SMOKE DETECTOR           | UNF.   | UNFINISHED             |
| C.J.   | CONTROL JOINT            | EXH.     | EXHAUST                   | HT.      | HEIGHT                    | O.H.       | OPENING             | SECT.    | SECTION                  | UN.O.  | UNLESS NOTED OTHERWISE |
| CLG.   | CEILING                  | EXIST.   | EXISTING                  | HTG.     | HEATING                   | OPNG.      | OPENING             | S.E.E.   | SEE EXTERIOR ELEVATION   | V.B.   | VINYL BASE             |
| CLOS.  | CLOSET                   | EXP.     | EXPOSED                   | H.V.A.C. | HEATING / VENTILATION AIR | OPP.       | OPPOSITE            | S.G.     | SAFETY GLASS             | V.C.T. | VINYL COMPOSITE TILE   |
| C.M.U. | CONCRETE MASONRY UNIT    | EXP. JT. | EXPANSION JOINT           | COND.    | CONDITIONING              | P          | PLATE               | S.H.     | SHEET                    | VERT.  | VERTICULITE            |
| COL.   | COLUMN                   | F.A.     | FRESH AIR                 | H.M.H.   | HOT WATER HEATER          | P.C.       | PLUMBING CONTRACTOR | S.I.E.   | SEE INTERIOR ELEVATION   | VEST.  | VESTIBULE              |
| CONC.  | CONCRETE                 | F.E.     | FIRE EXTINGUISHER         | INSUL.   | INSULATE (ION)            | P.LAM.     | PLASTIC LAMINATE    | SIM.     | SIMILAR                  | V.I.F. | VERIFY IN FIELD        |
| CONST. | CONSTRUCTION             | F.E.C.   | FIRE EXTINGUISHER CABINET | INT.     | INTERIOR                  | PLUMB'G.   | PLUMBING            | SP. CTNG | STARTING POINT           | VIN    | VINYL                  |
| CONT.  | CONTINUOUS               | F.F.     | FINISHED FLOOR            | J.C.     | JANITOR'S CLOSET          | PLYMD.     | PLYWOOD             | SPEC.    | SPECIAL COATING          | V.P.   | VISION PANEL           |
| CONTR. | CONTRACTOR               | F.G.     | FLOAT GLASS               | JT.      | JOINT                     | PNT.       | PAINT               | SPKR.    | SPEAKER                  | V.M.C. | VINYL WALL COVERING    |
| CORR.  | CORRIDOR                 | F.H.     | FULL HEIGHT               | KIT.     | KITCHEN                   | PROJ. TILE | PORCELAIN TILE      | SPRINK.  | SPRINKLER                | W/.    | WITH                   |
| CPT    | CARPETING                | FIN.     | FINISH                    | KO.      | KNOCKOUT                  | P.T.       | PROJECT             | S.Q.     | SQUARE                   | W.B.   | WOOD BASE              |
| C.T.   | CERAMIC TILE             | FLR.     | FLOOR                     | LAM.     | LAMINATE                  | Q.T.       | QUARRY TILE         | S.S.     | STAINLESS STEEL          | WC.    | WALL COVERING          |
| C.T.B. | CERAMIC TILE BASE        | FLUOR.   | FLUORESCENT               | LENG.    | LENGTH                    | R.         | RISER               | S.S.M.   | SPECIAL SURFACE MATERIAL | WD.    | WOOD                   |
| C.M.T. | CERAMIC WALL TILE        | FP.      | FIREPROOF                 | L.H.     | LEFT HAND                 | R.A.       | RADIUS RISER        | STD.     | STANDARD                 | W.O.M. | WALK OFF MAT           |
| DEM.   | DEMOLISH, (TION)         | FP.S.C.  | FIREPROOF SELF CLOSING    | L.T.     | LIGHT                     | RAD.       | RADIUS              | STL.     | STEEL                    | W.P.   | WORKING POINT          |
| D.F.   | DRINKING FOUNTAIN        | F.R.     | FIRE RETARDANT            | LIN.     | LINOLEUM                  | R.B.       | RUBBER BASE         | STOR.    | STORAGE                  | WP.    | WATERPROOF             |
| D.H.   | DOUBLE HUNG              | F.S.     | FULL SIZE                 | MA.      | MARBLE                    | R.D.       | ROOF DRAIN          | SUSP.    | SUSPENDED                | W.W.   | WIPE WALL COVERING     |
| DIA.   | DIAMETER                 | FT.      | FOOT, FEET                | MECH.    | MECHANICAL                | REF.       | REFERENCE           | SURF.    | SURFACE                  | W.W.F. | WELDED WIRE FABRIC     |
| DIAG.  | DIAGONAL                 | F.W.C.   | FABRIC WALL COVERING      | MISC.    | MISCELLANEOUS             | REFRIG.    | REFRIGERATOR        | S.V.     | SHEET VINYL              |        |                        |
| DIM.   | DIMENSION                | GA.      | GAUGE                     |          |                           |            |                     |          |                          |        |                        |

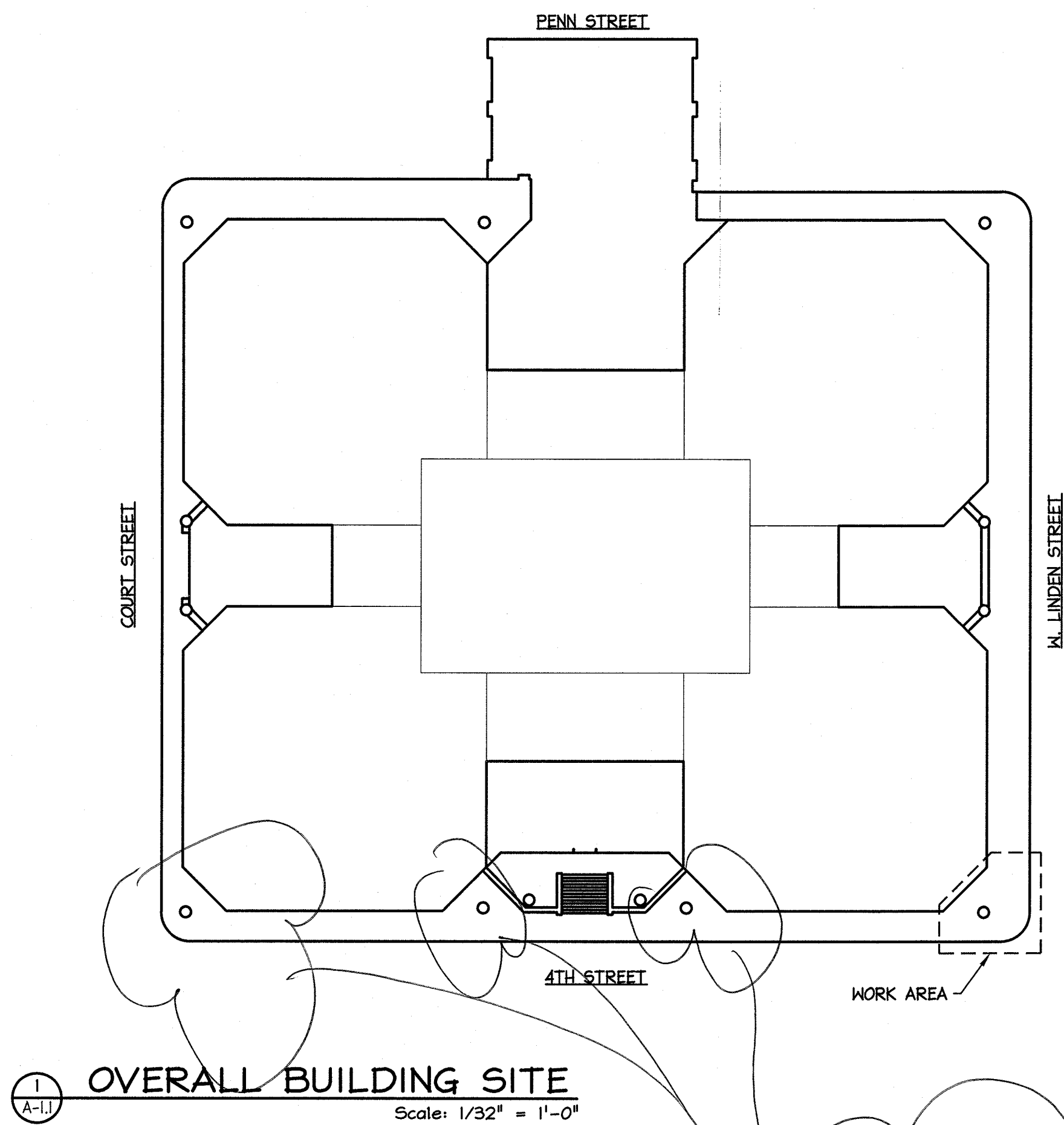
SYMBOL KEY

|   |  |
|---|--|
| ACCESSORY SYMBOLS<br>① ACCESSORY TYPE                     | ROOM SYMBOLS<br>100 ROOM NUMBER              |
| PARTITION SYMBOLS<br>A SEE WALL LEGEND                    | WINDOW SYMBOLS<br>① WINDOW NUMBER            |
| DOOR SYMBOL<br>100 DOOR NUMBER                            | ELEVATION SYMBOLS<br>*SINGLE DIRECTION VIEW* |
| DETAIL SYMBOL<br>A IDENTIFICATION<br>A1.0 SHEET NUMBER    | *MULTIPLE DIRECTIONS OF VIEW*                |
| ELEVATION SYMBOL<br>A IDENTIFICATION<br>A1.0 SHEET NUMBER | A IDENTIFICATION<br>A1.0 SHEET NUMBER        |

BUILDING LOCATION





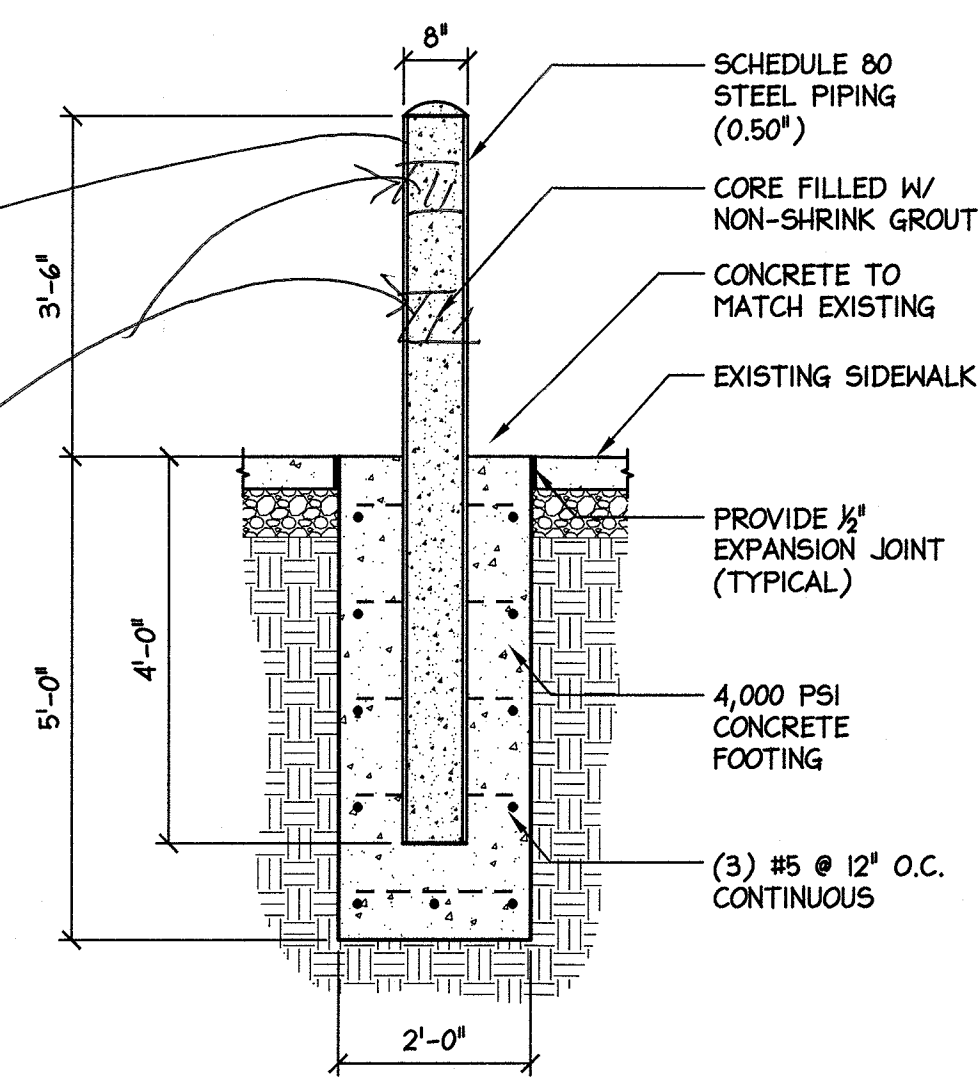


#### CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL BE AWARE OF THE SURROUNDINGS, EXISTING UTILITIES RUN UNDERGROUND AND NEAR THE SITE
2. THE CONTRACTOR SHALL CALL (PENNSYLVANIA ONE CALL) PRIOR TO ANY DEMOLITION AT THE SITE 8-1-1 OR (800)-242-1776
3. THE CONTRACTOR SHALL TAKE FULL RESPONSIBLE FOR DAMAGING UNDERGROUND UTILITIES AND COST OF REPAIRS
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSABLE OF ALL MATERIALS
5. CONTRACTOR MAY HAVE TO HAND OR VACUUM EXCAVATE TO AVOID DAMAGING EXISTING UTILITIES THIS IS TO BE DONE AT NO ADDITIONAL COST TO THE OWNER
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL MATERIALS AND EQUIPMENT FOR THIS PROJECT
8. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY ADDITIONAL DAMAGE DONE ON SITE
9. REFER TO SPECS FOR ALL ADDITIONAL INFORMATION
10. CONTRACTOR SHALL CLEAN THE AREA AT THE END OF CONSTRUCTION

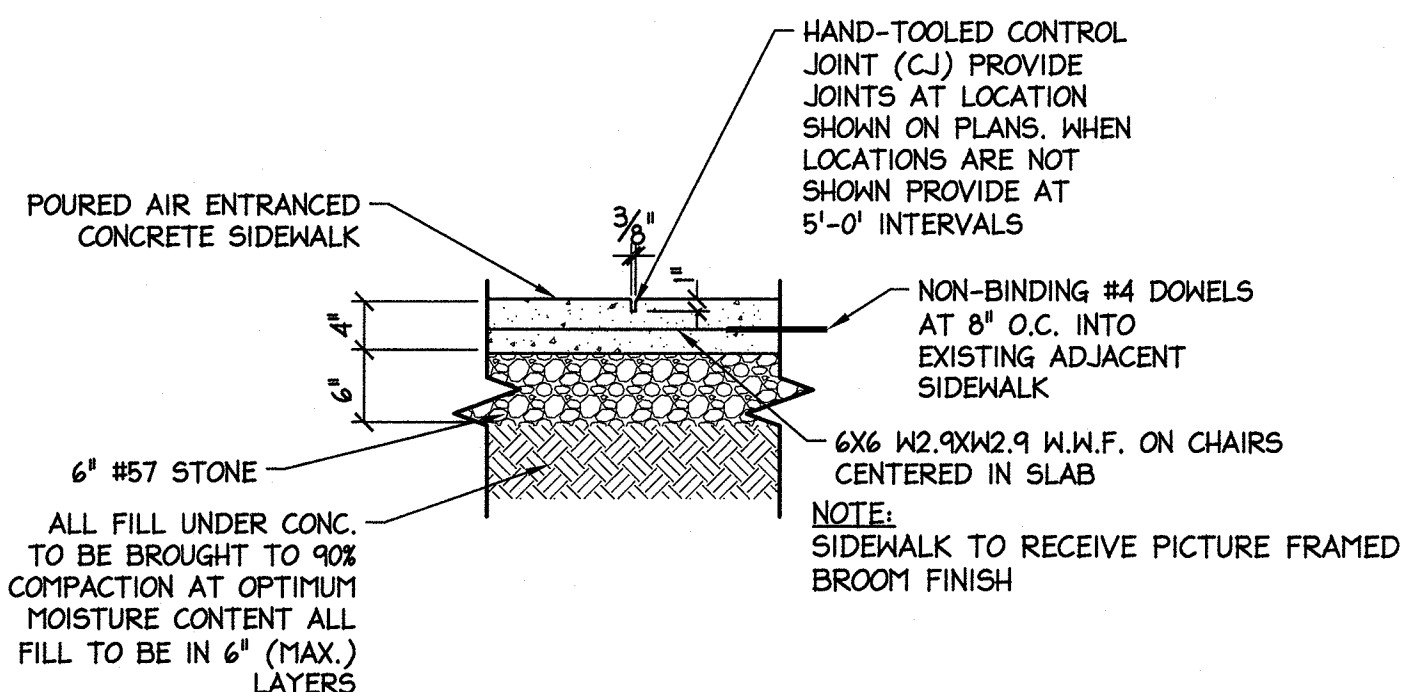
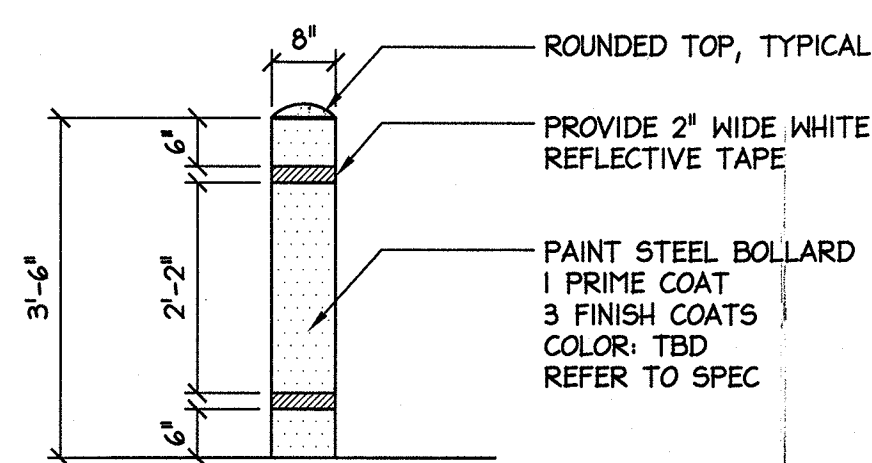
#### 3 BOLLARD SECTION (TYPICAL)

Scale: 1/8" = 1'-0"



#### 4 BOLLARD ELEVATION (TYPICAL)

Scale: 1/8" = 1'-0"



#### 5 SIDEWALK DETAIL (TYPICAL)

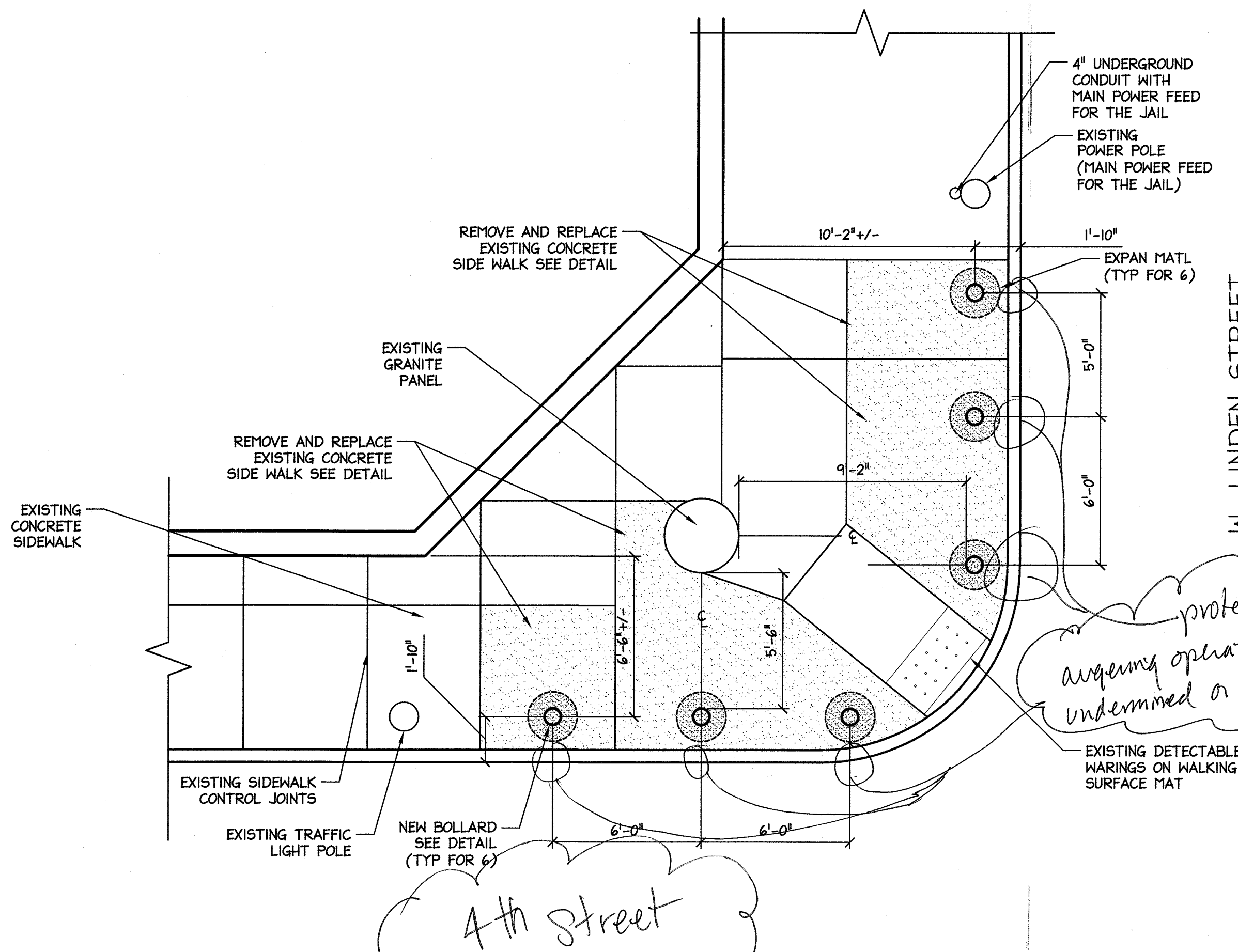
Scale: 3/4" = 1'-0"

#### GENERAL NOTES:

1. BEFORE PERFORMING ANY WORK OR ORDERING ANY MATERIALS THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL CONDITIONS, DETAILS, QUANTITIES, AND DIMENSIONS - FOR THE SITE AND BUILDING CONSTRUCTION. INDICATED DIMENSIONS ARE PROVIDED FOR CONTRACTOR'S AID IN BIDDING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADVISING THE ARCHITECT OF ANY DISCREPANCIES AND/OR CONFLICTS BETWEEN EXISTING CONDITIONS AND THE CONSTRUCTION DOCUMENTS PRIOR TO PROCEEDING WITH THE WORK IN QUESTION OR RELATED WORK.
2. PRIOR TO ANY CORE DRILLING THE CONTRACTOR SHALL BE RESPONSIBLE FOR PERFORMING AN UNDERGROUND SCAN OF THE ENTIRE SITE PRIOR TO ANY CORE DRILLING FOR THE BOLLARDS. FINAL REPORT MUST BE PRESENTED TO OWNER AND ARCHITECT.
3. ALL CONSTRUCTION WORK AND MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, RULES, REGULATIONS, STANDARDS, SPECIFICATIONS, AND ORDINANCES HAVING JURISDICTION. (I.E. FEDERAL, STATE, LOCAL, ETC.) THAT PERTAIN TO THE SCOPE OF WORK COVERED UNDER THIS CONTRACT.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ALL PERMITS NECESSARY FOR CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE OWNER AND ARCHITECT OF ANY CHANGES OR CONDITIONS ATTACHED TO THE PERMITS OBTAINED FROM ANY AUTHORITY AND OR CITY OF ALLENTOWN ISSUING THE PERMITS.
5. THE TRADE CONTRACTOR/MATERIAL SUPPLIER IS RESPONSIBLE TO CONTACT THEIR APPLICABLE INSPECTION AGENCIES AND TO SECURE ALL INSPECTION APPROVALS AS REQUIRED TO MAINTAIN THE PROJECT SCHEDULE.
6. INSTALL ALL MANUFACTURED ITEMS, MATERIALS AND EQUIPMENT IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDED SPECIFICATIONS. UNLESS OTHERWISE SPECIFICALLY NOTED AND REVIEWED BY THE ARCHITECT.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING THEMSELVES WITH THE PROJECT SCHEDULE AND DEADLINES, AND FOR ADVISING THE ARCHITECT OF ALL LONG LEAD TIME ITEMS.
8. STANDARD GENERAL CONDITIONS (DOCUMENTS OF THE AMERICAN INSTITUTE OF ARCHITECTS) ARE PART OF THESE CONSTRUCTION DOCUMENTS, CONSULT THEM IN DETAIL FOR APPLICABLE CONDITIONS.
9. INSTALLATION OF ALL SELECTED MATERIALS SHALL BE COMPLETE IN ALL RESPECTS PRIOR TO FINAL ACCEPTANCE. ANY MISCELLANEOUS ITEMS OR MATERIALS NOT SPECIFICALLY NOTED, BUT REQUIRED FOR PROPER INSTALLATION, SHALL BE FURNISHED BY THE CONTRACTOR. THE CONTRACTOR SHALL FURNISH TO THE OWNER ALL WARRANTIES AND GUARANTEES REQUIRED AT THE CONCLUSION OF THE WORK.
10. ALL WORK MUST BE COMPLETED IN A WORK LIKE MANNER AND SHALL MEET OR EXCEED THEIR PARTICULAR INDUSTRY STANDARD CONSTRUCTION PRACTICES. ALL INSTALLATION TECHNIQUES MUST BE PERFORMED BY INDIVIDUALS SKILLED IN THAT TRADE AND HOLDING APPROPRIATE CERTIFICATION AS REQUIRED BY GOVERNING AGENCIES.
11. THE TRADE CONTRACTOR/MATERIAL SUPPLIER MUST PROVIDE PROFESSIONAL REPRESENTATION THROUGHOUT THE COURSE OF CONSTRUCTION TO ENSURE PROFESSIONALISM, ATTITUDE, AND QUALITY OF WORKMANSHIP. THE CONTRACTOR/SUPPLIER MUST ATTEND ALL JOB MEETINGS REQUESTED BY THE ARCHITECT AND SHALL COORDINATE WORK WITH OTHER TRADE CONTRACTORS/SUPPLIERS.
12. DO NOT SCALE THE DRAWINGS, DIMENSIONS SHALL GOVERN ALL CASES. LARGE SCALE DRAWINGS SHALL GOVERN OVER SMALL SCALE DRAWINGS. THE TRADE CONTRACTOR SHALL REPORT TO THE ARCHITECT ANY DISCREPANCIES OR INCONSISTENCIES IDENTIFIED IN THE CONSTRUCTION DRAWINGS OR DOCUMENTS WITH ACTUAL CONDITIONS. DIMENSIONS ARE FROM FACE OF STUD TO FACE OF STUD, COLUMN LINE OR FACE OF MASONRY (UNLESS OTHERWISE NOTED). MASONRY DIMENSIONS ARE NOMINAL.
13. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER THE LOCATION OF CONSTRUCTION TRAFFIC FOR THIS PROJECT. EXISTING PAVEMENT DAMAGED BY NEW CONSTRUCTION SHALL BE REPAIRED/REPLACED PER STANDARD PENNDOT AND THE CITY OF ALLENTOWN CONSTRUCTION REQUIREMENTS AND SPECIFICATIONS.
14. ALL NOTES CALLING TO REPLACE MATERIALS SHALL INCLUDE REMOVAL AND DISPOSAL OFF-SITE OF ORIGINAL MATERIALS ALONG WITH REPLACEMENT.



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#### 2 ENLARGED SITE (WORK AREA)

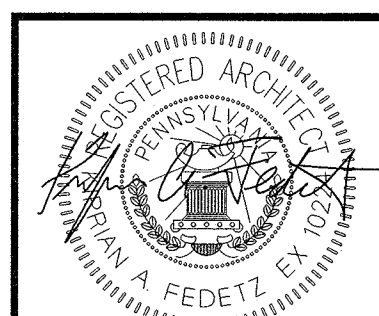
Scale: 1/8" = 1'-0"

DATE: 10/5/2020  
ISSUE FOR PERMIT

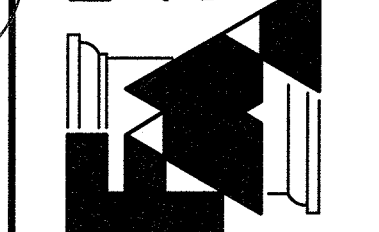
REVISIONS:

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DRAWN BY: FMA  
CHECKED BY: FMA

DRAWING NAME:  
DIR: PROJECT NUMBER

NAME: 190000X  
PROJECT CODE:  
190000X

DESCRIPTION:

DRAWING NO:

A-1.1