



CATTARAUGUS COUNTY STONE HOUSE 2016 IMPROVEMENTS - PART 2

9824 ROUTE 16,
MACHIAS, NEW YORK 14101

BID DOCUMENTS

DRAWING INDEX

SITE	L101	SITE PLAN
HAZARDOUS MATERIAL	HM101	HAZARDOUS MATERIALS ABATEMENT FLOOR PLAN AND ELEVATIONS
STRUCTURAL	S101	PORCH PLANS, SECTIONS & DETAILS
ARCHITECTURAL	A001	SYMBOLS, ABBREVIATIONS, PHOTOS AND SPECIFICATIONS
ARCHITECTURAL	A101	FLOOR PLAN AND ELEVATIONS
ARCHITECTURAL	A102	DETAILS
ELECTRICAL	E101	SITE ELECTRICAL PLAN

DPW BID # 61 - GENERAL CONTRACT

AUGUST 1, 2016



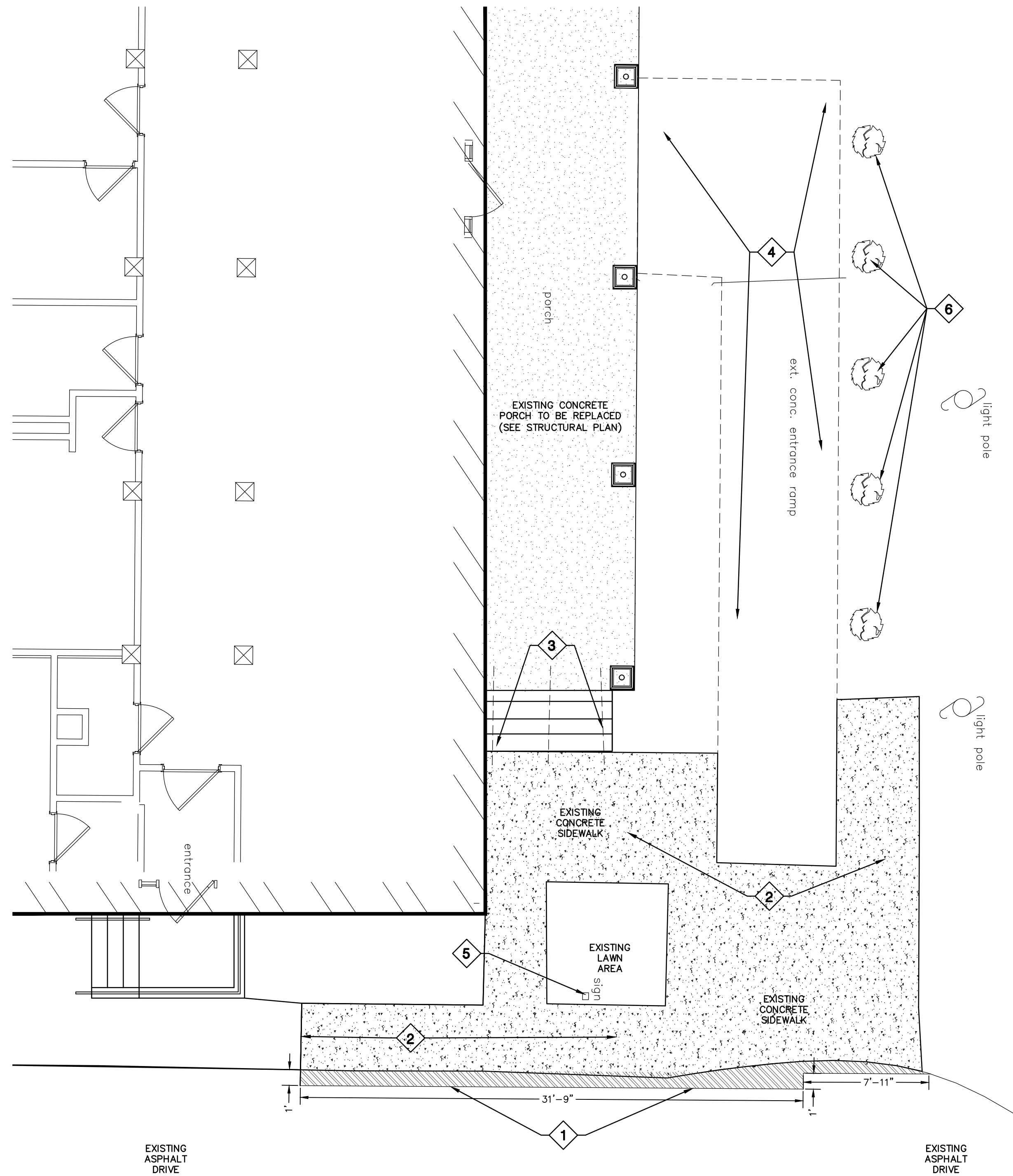
535 Washington Street, Suite 603
Buffalo, NY 14203
www.wendelcompanies.com
p:716.688.0766 f:716.625.6825

Wendel WD Architecture, Engineering,
Surveying and Landscape Architecture P.C.

PROJECT # 3076-43

STONE HOUSE LOCATION
LOCATION MAP





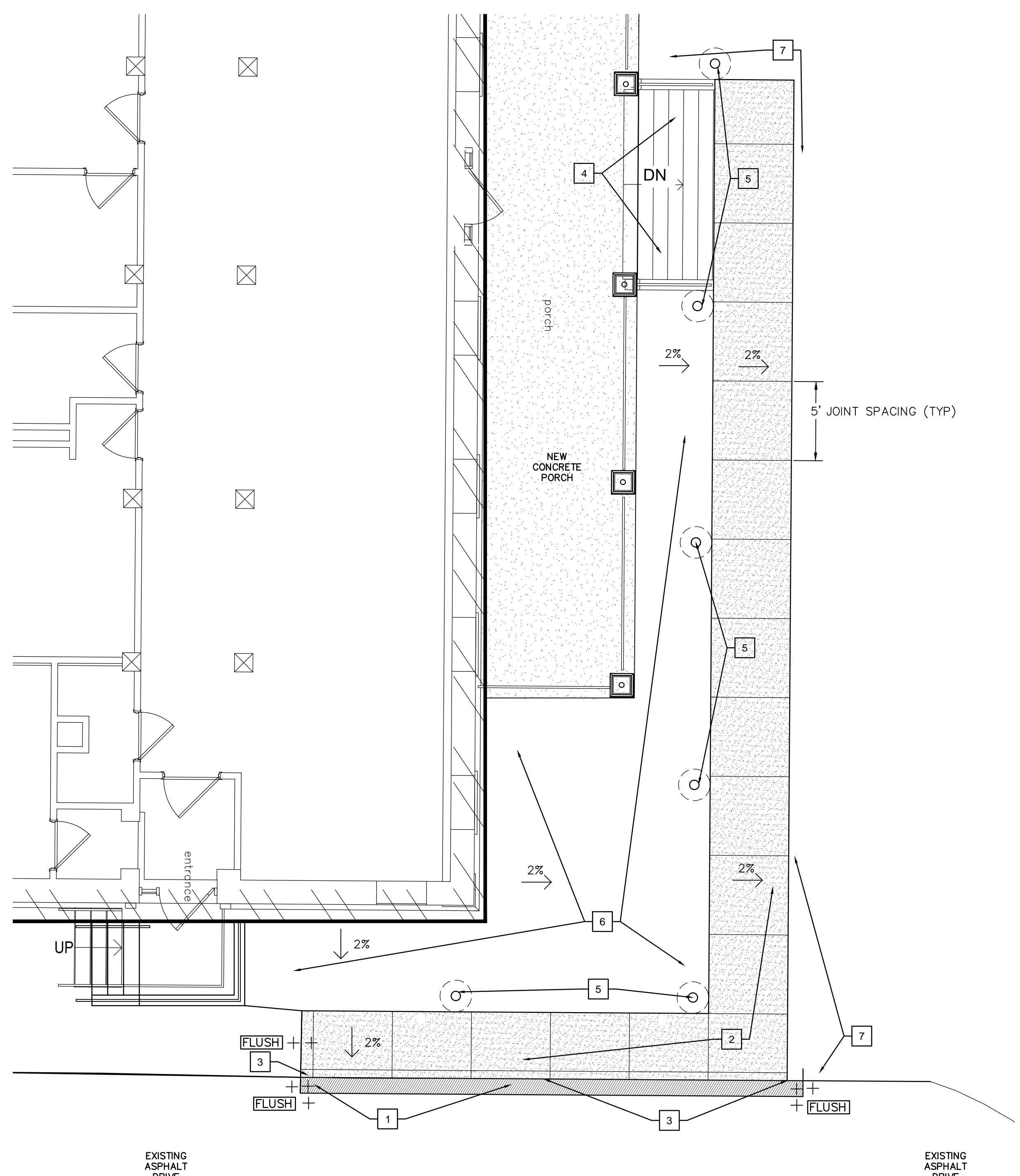
GENERAL NOTES

1. SURVEY SUPPLIED BY COUNTY OF CATTARAUGUS, FALL 2015.
2. CONTRACTOR TO LOCATE AND/OR VERIFY LOCATION OF UTILITIES IN THE FIELD BEFORE BEGINNING WORK. PRIOR TO REMOVAL AND EXCAVATION WORK, CONTRACTOR TO NOTIFY UTILITY COMPANIES REGARDING DISCONNECT OF SERVICES AND MARKING EXACT LOCATION OF BURIED UTILITIES.
3. PRIOR TO START OF CONSTRUCTION, CONTRACTOR TO NOTIFY ARCHITECT AND/OR OWNER'S REPRESENTATIVE OF DISCREPANCIES FOUND BETWEEN INFORMATION SHOWN ON PLANS AND ACTUAL FIELD CONDITIONS.
4. PAVEMENT NOT NOTED TO BE REMOVED, BUT DAMAGED DURING CONSTRUCTION, SHALL BE REPAIRED OR REPLACED, FLUSH WITH EXISTING GRADE AT CONTRACTOR'S EXPENSE.
5. ITEMS NOT NOTED TO BE REMOVED AND/OR DEMOLISHED ARE TO REMAIN AND TO BE PROTECTED AS NECESSARY. IN PARTICULAR, CONTRACTOR SHALL TAKE EXTRA MEASURES NOT TO INJURE EXISTING TREES.
6. ITEMS NOTED TO BE RELOCATED SHALL BE CAREFULLY REMOVED WITHOUT BEING DAMAGED; SALVAGE AND STOCKPILE ON-SITE OR PER OWNER'S DIRECTION.
7. SAW-CUT PAVEMENT AND CURBING AT LIMITS OF REMOVAL.
8. DIMENSIONS ARE FROM FACE OF BUILDING, CURB OR EDGE OF PAVEMENT UNLESS NOTED OTHERWISE.
9. ALL DAMAGED AND/OR DISTURBED AREAS REMAINING, AFTER CONSTRUCTION IS COMPLETED, SHALL RECEIVE MIN. 4" TOPSOIL, BE FINE GRADED, FERTILIZED, SEEDED AND MULCHED. TOPSOIL TO BE FLUSH WITH PAVEMENT AND/OR TOP OF CURB AND SHALL BE "FEATHERED" INTO ADJACENT LAWN AREAS TO CREATE A SMOOTH TRANSITION BETWEEN NEWLY SEEDED AREAS AND EXISTING LAWN.
10. NEW PARKING LOT LIGHT STANDARDS ARE TO BE SET BACK 3' FROM EDGE OF PAVEMENT OR BACK OF CURB, UNLESS NOTED OTHERWISE.
11. THE CONTRACTOR SHALL EXPOSE EXISTING UTILITIES AHEAD OF THE PIPE LAYING OPERATION, SO THAT, IF MINOR ADJUSTMENTS MUST BE MADE IN ELEVATION AND/OR ALIGNMENT DUE TO INTERFERENCE FROM THESE UTILITIES, SAID CHANGES CAN BE MADE IN ADVANCE OF THE WORK.
12. PIPE CROSSING UNDER PAVED AREAS ARE TO BE BACKFILLED TO SUBGRADE WITH COMPACTED, SELECT GRANULAR MATERIAL TO FIVE (5) FEET OUTSIDE THE PAVEMENT EDGE.
13. CONSTRUCTION STAGING AND STORAGE AREAS TO BE COORDINATED WITH ARCHITECT AND/OR OWNER'S REPRESENTATIVE.
14. CONTRACTOR SHALL VISIT SITE PRIOR TO BID TO CONFIRM THE EXISTING SITE CONDITIONS AND SCOPE OF WORK.
15. AFTER REMOVAL OF FOOTERS, STRUCTURES, ETC., BACKFILL AS FOLLOWS:
 - A. IN LAWN AREAS: BACKFILL HOLE WITH ORDINARY FILL, COMPACT IN 8" LIFTS TO PROPOSED SUBGRADE, AND PLACE TOPSOIL, MIN. 4" DEPTH, FLUSH WITH EXISTING GRADE, FINE GRADE, FERTILIZE, SEED AND MULCH.
 - B. IN PAVEMENT AREAS: BACKFILL HOLE WITH CRUSHER-RUN STONE, COMPACT IN 8" LIFTS TO PROPOSED SUBGRADE.
17. PROPOSED SIDEWALKS SHALL BE CONSTRUCTED W/MAX. 2% CROSS-SLOPE IN CONCERT WITH ADJACENT DRAINAGE PATTERNS.

LEGEND

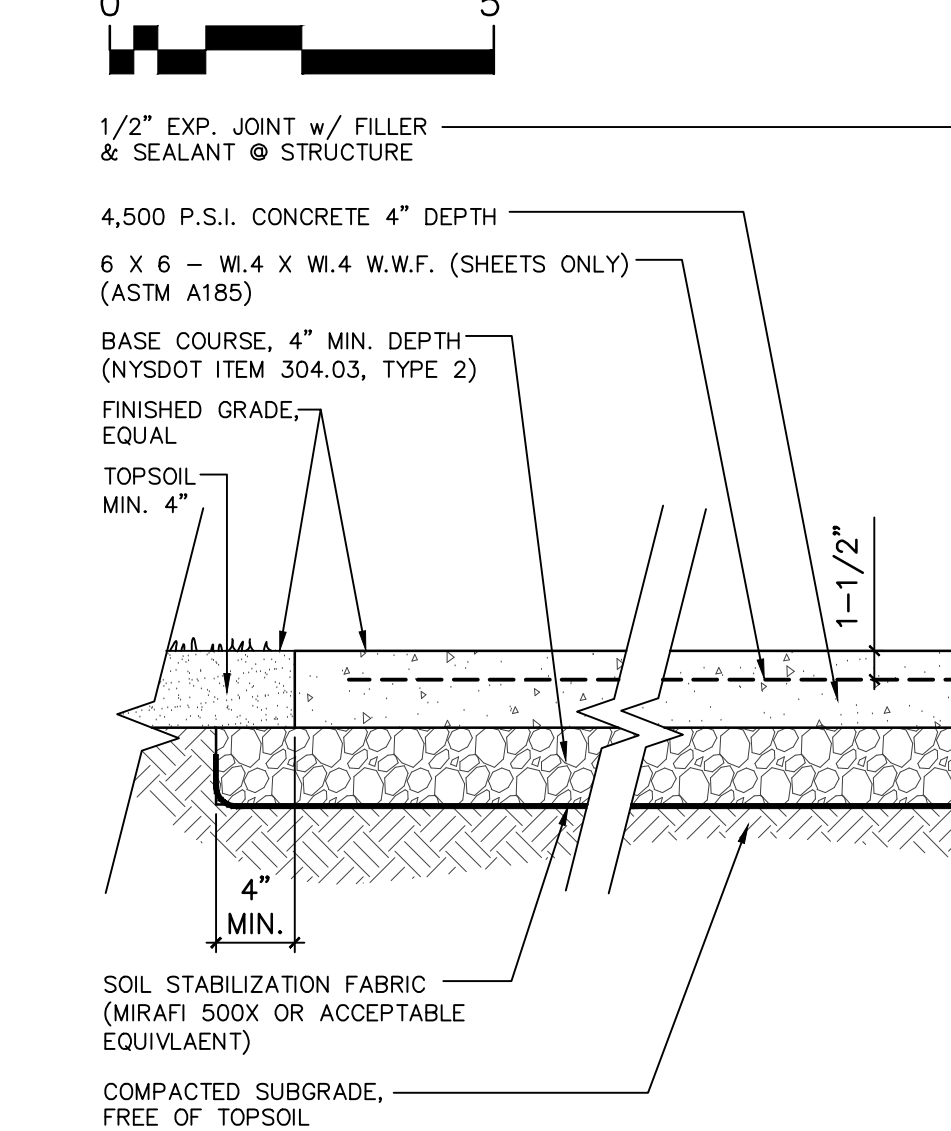
- PAVEMENT EDGE
- MANHOLE
- LIGHTPOLE
- FIRE HYDRANT
- WV WATER VALVE
- BUILDING
- SHRUBS
- EXISTING SIGN
- PROPOSED SIGN
- CONCRETE REMOVAL
- ASPHALT PAVEMENT REMOVAL
- ASPHALT PAVEMENT PROPOSED
- CONCRETE PAVEMENT PROPOSED

NOTE: UTILITIES ARE LOCATED PER VISUAL EVIDENCE AND RECORD PLANS RECEIVED FROM CHRIS KLEMMANN (CATTARAUGUS COUNTY). NO MARK OUT WAS PERFORMED.



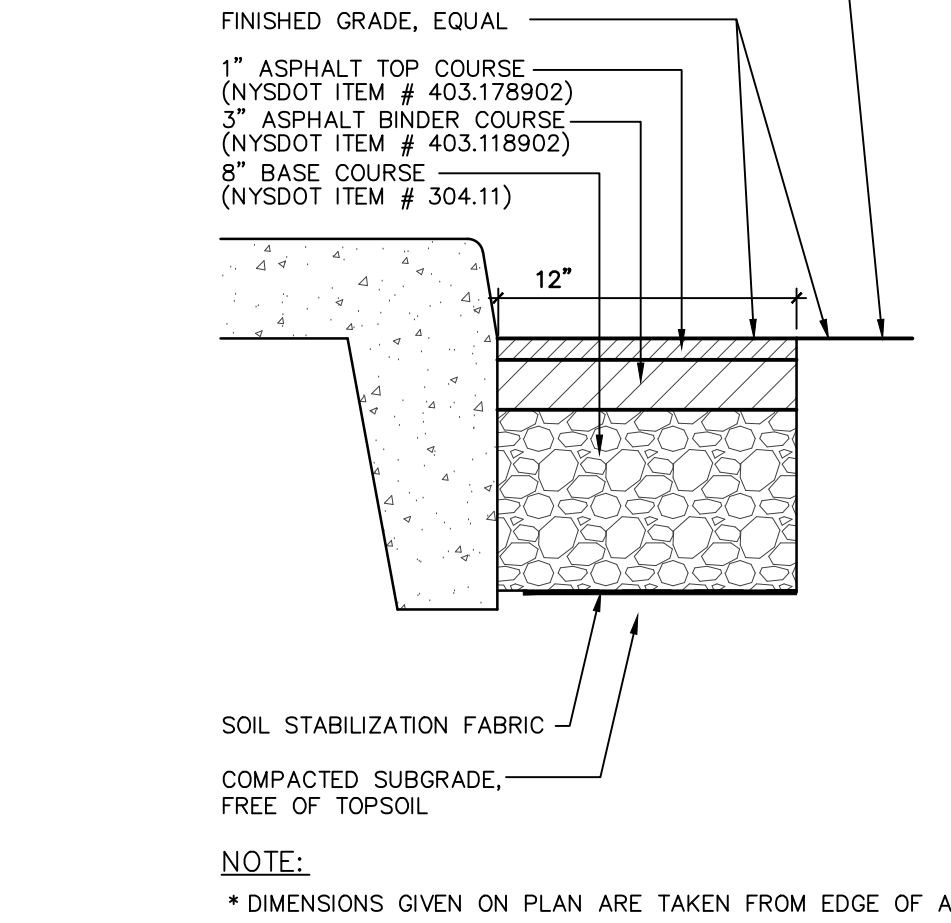
2A SITE PREPARATION PLAN

SCALE: 1"=5'



3 CONCRETE PAVEMENT

SCALE: NTS

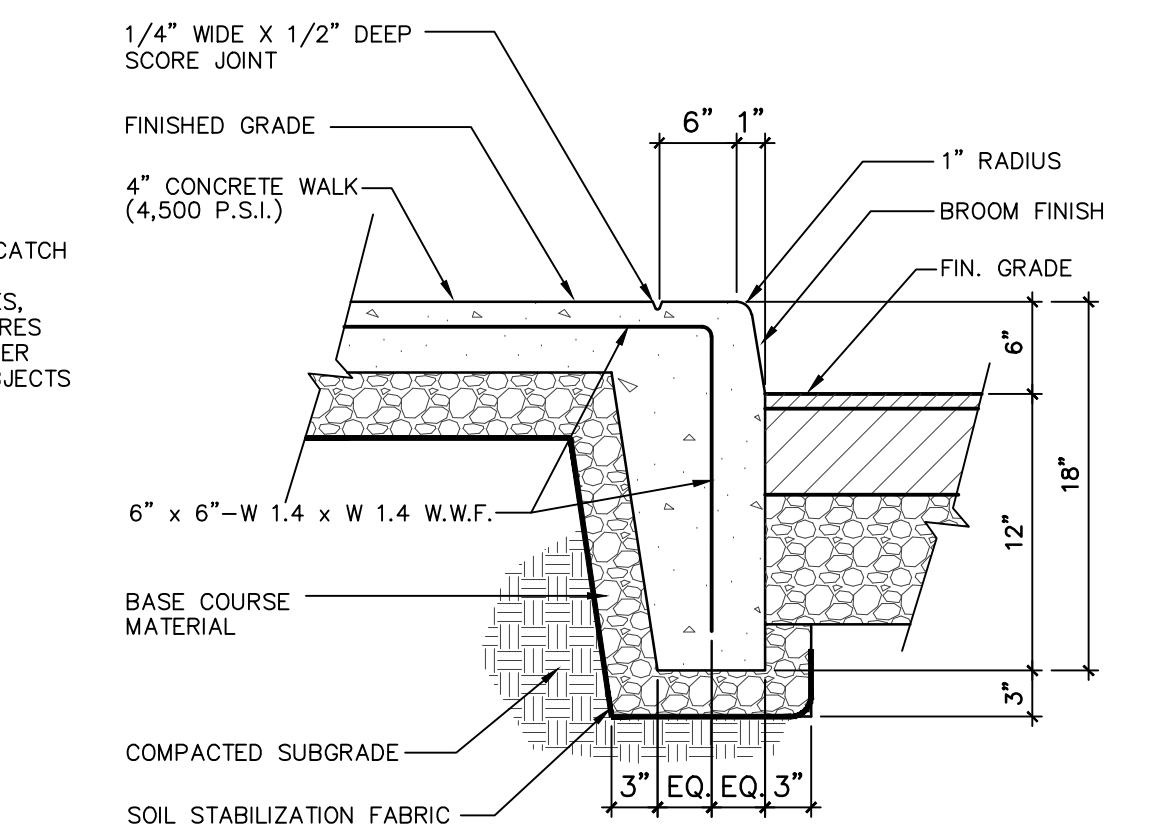


5 ASPHALT PAVEMENT- (SAW-CUT)

SCALE: NTS

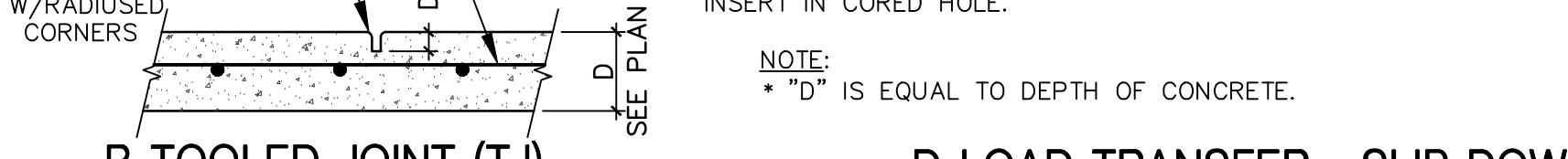
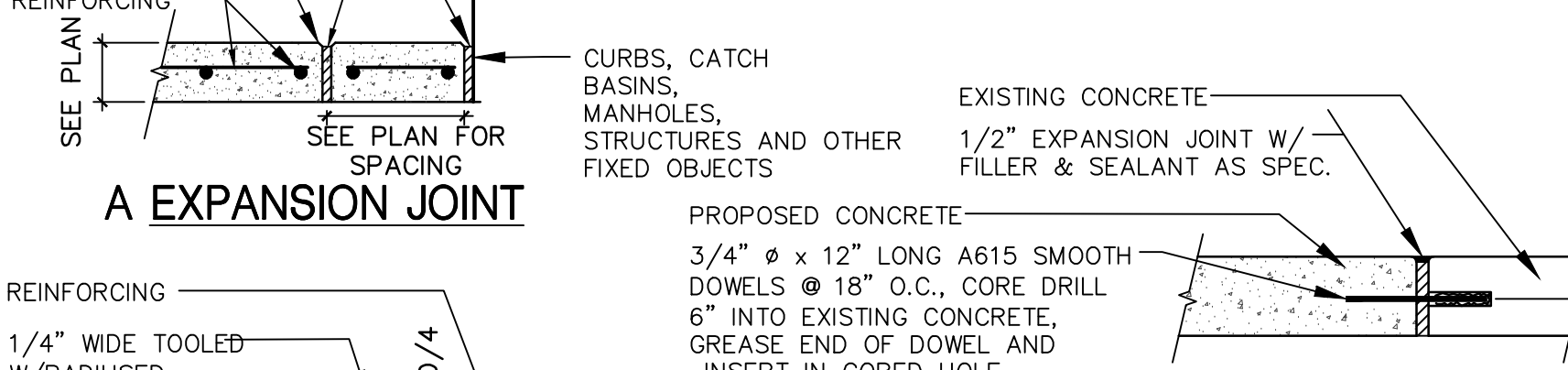
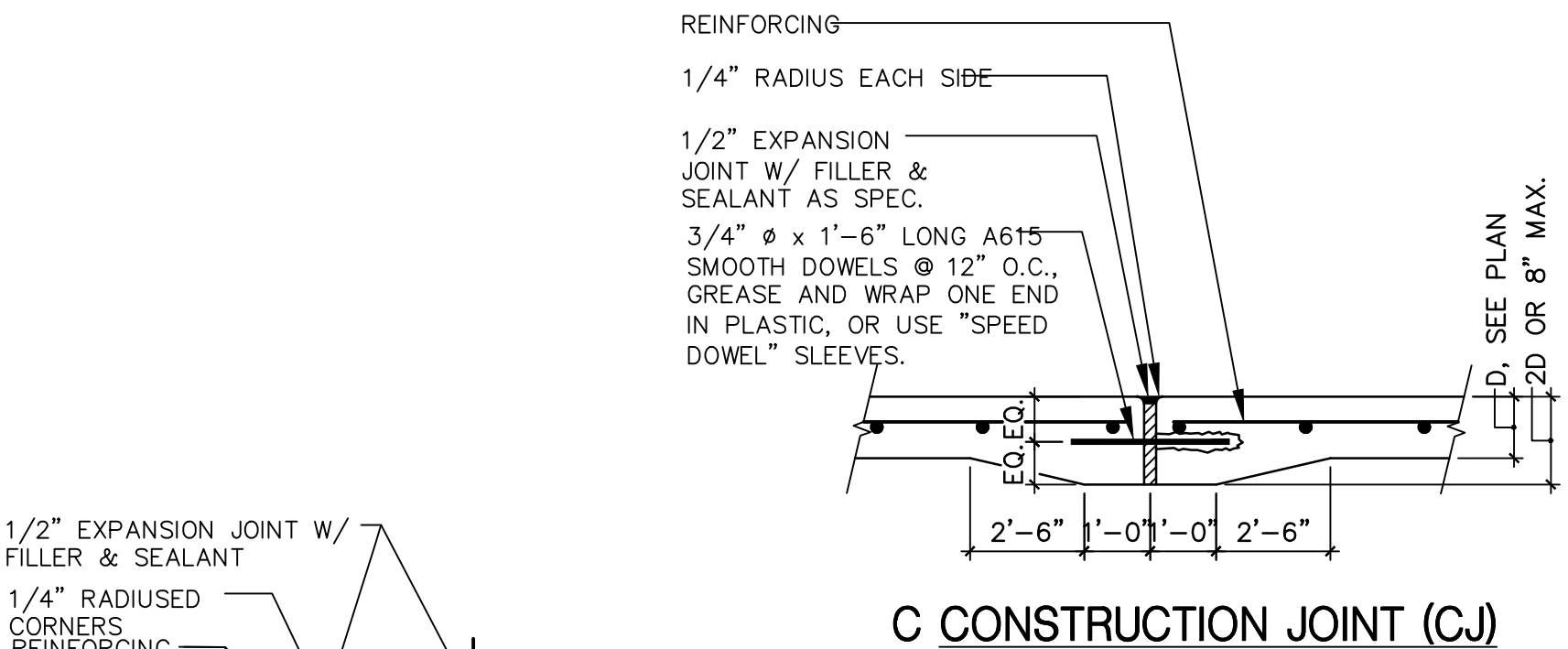
SITE PREPARATION NOTES

1. SAWCUT AND REMOVE ASPHALT PAVEMENT AND BASE COURSE IN ITS ENTIRETY.
2. SAWCUT AND REMOVE CONCRETE SIDEWALK AND INTEGRAL CURB AT NEAREST JOINT IN ITS ENTIRETY.
3. REMOVE CONCRETE STAIRCASE INCLUDING HANDRAIL AND FOUNDATION IN ITS ENTIRETY. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION.
4. REMOVE CONCRETE RAMP INCLUDING HANDRAILS AND FOUNDATION IN ITS ENTIRETY. REFER TO STRUCTURAL PLANS, S101, FOR ADDITIONAL INFORMATION.
5. REMOVE SIGN AND POST IN ITS ENTIRETY. RETURN SIGN TO OWNER.
6. REMOVE AND DISPOSE SHRUBS IN THEIR ENTIRETY.



4 INTEGRAL CONCRETE CURB & WALK

SCALE: NTS



6 TYPICAL CONCRETE JOINTS

SCALE: NTS

1 SITE PLAN

SCALE: 1"=40'



SITE IMPROVEMENT NOTES

1. FULL DEPTH ASPHALT PAVEMENT; RE: DETAIL 5, L101.
2. CONCRETE SIDEWALK PAVEMENT; RE: 3, L101.
3. INTEGRAL CONCRETE CURB AND WALK; RE: 4, L101.
4. REFER TO ARCHITECTURAL AND STRUCTURAL PLANS FOR CONCRETE STAIRCASE WITH RAILING.
5. REFER TO ELECTRICAL PLANS, E101, FOR BOLLARD LIGHTS (6 TOTAL) AND PARKING LOT LIGHTS (5 TOTAL).
6. PLACE A MINIMUM OF 6" OF PLANTING SOIL ATOP WEEP BARRIER.
7. PLACE A MINIMUM OF 4" OF TOPSOIL, FINE GRADE, SEED, FERTILIZE AND MULCH ALL DISTURBED AREAS WITHIN CONSTRUCTION LIMITS NOT NOTED TO BE PAVED OR LANDSCAPED.

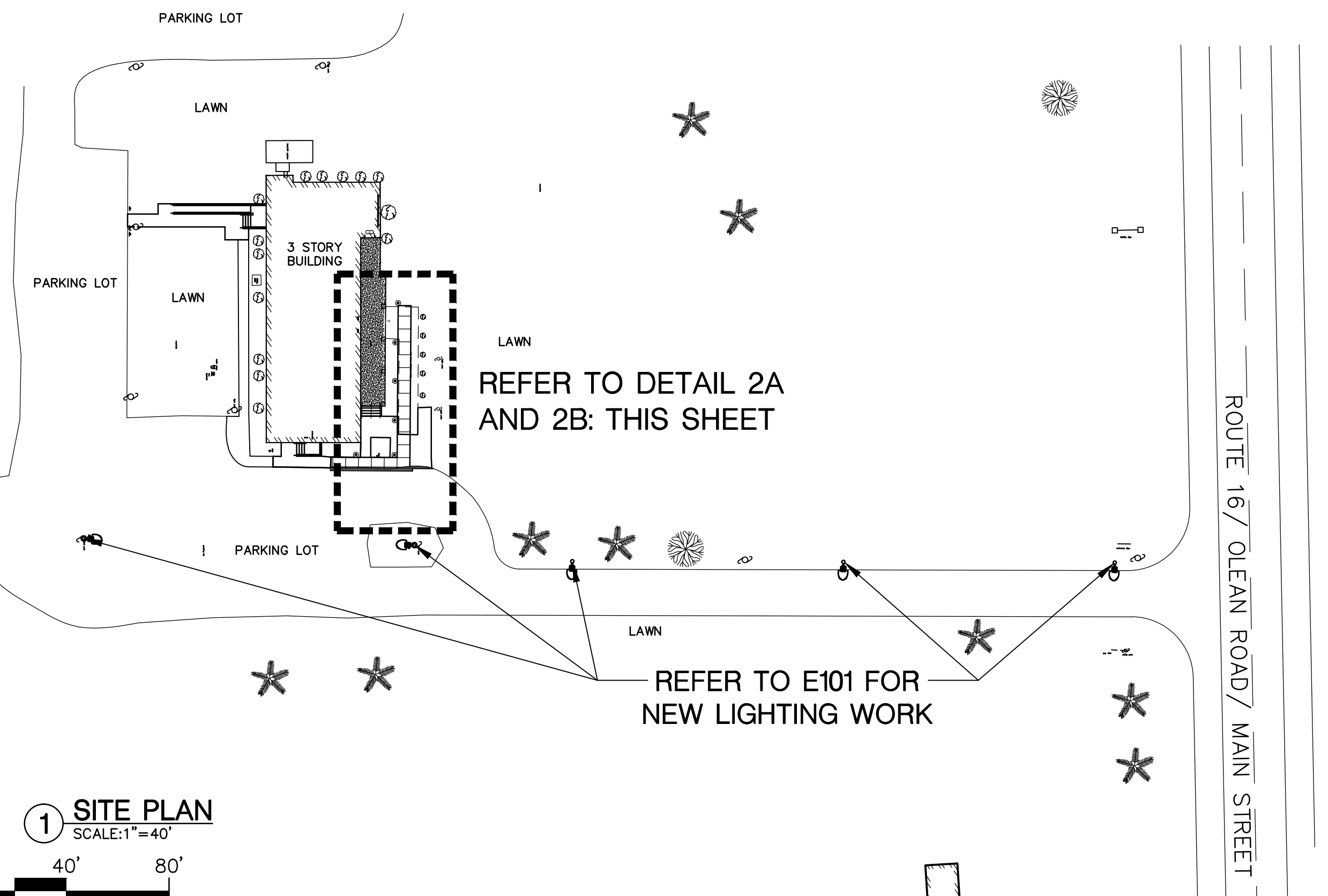
2B SITE IMPROVEMENT PLAN

SCALE: 1"=5'



SITE GRADING AND DRAINAGE NOTES:

1. ALL SIDEWALK TO HAVE 2% CROSS SLOPE.
2. —> = DRAINAGE DIRECTION



2016 IMPROVEMENTS PART 2

DPW BID # 61
CATTARAUGUS COUNTY
DEPARTMENT OF
PUBLIC WORKS
8910 ROUTE 242
LITTLE VALLEY, N.Y. 14755

STONE HOUSE
9824 ROUTE 16
MACHIAS, N.Y. 14101

BID DOCUMENTS



535 Washington Street, Suite 603
Buffalo, NY 14203
www.wendelcompanies.com
P: 716.658.0795 F: 716.625.6825
Wendel WD Architecture, Engineering,
Surveying and Landscape Architecture P.C.

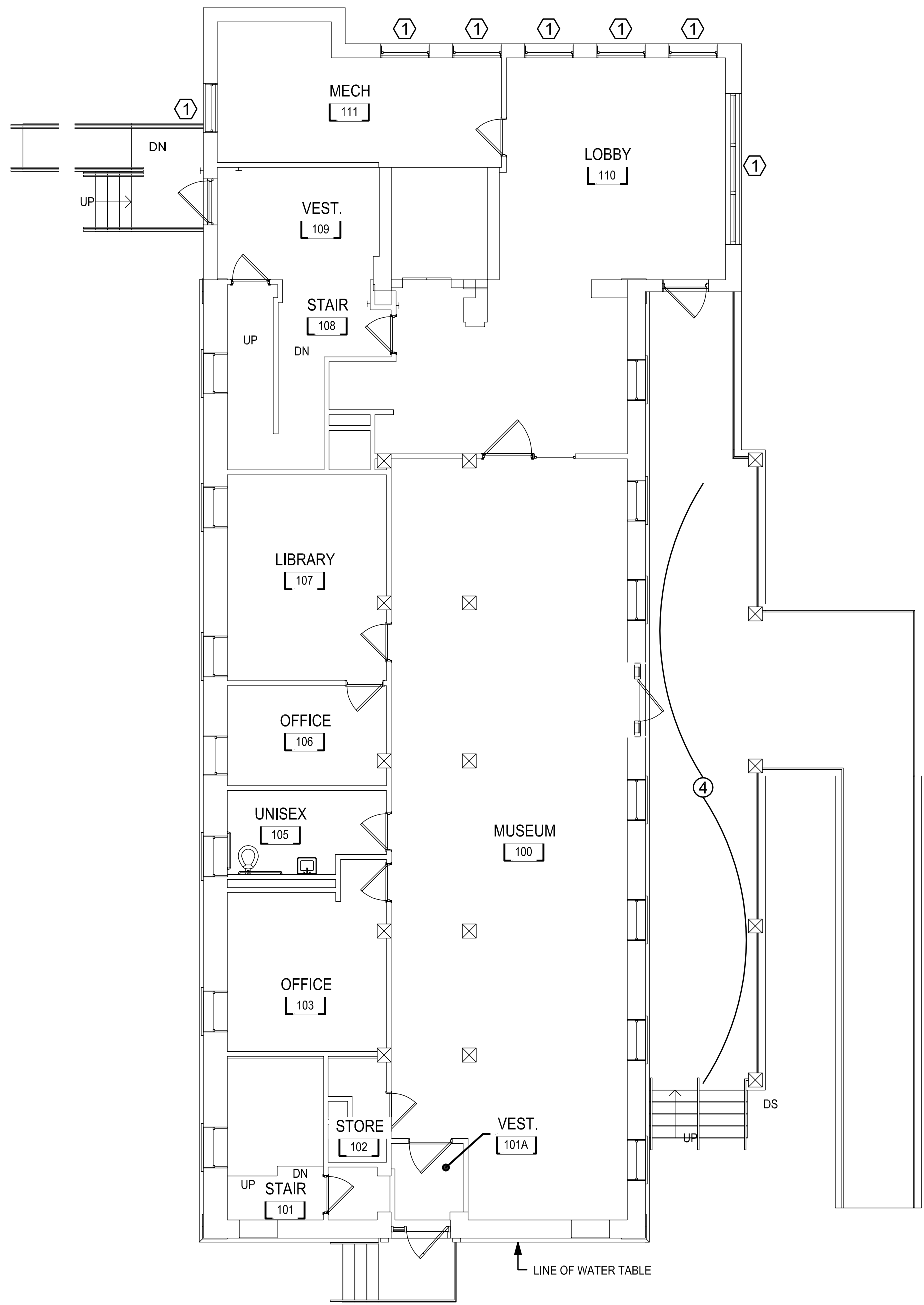
THIS DOCUMENT, AND THE IDEAS AND DESIGN INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF THE ARCHITECT AND ENGINEER AND IS NOT TO BE USED IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF THE ARCHITECT AND ENGINEER. UNAUTHORIZED ALTERATION OR ADDITION TO ANY SURVEY, DRAWING, DESIGN, SPECIFICATION, PLAN OR REPORT IS PROHIBITED BY ACCORDANCE WITH STATE LAW, CODE AND RULES.

NO.	BY	REVISIONS	DATE
DWG	TITLE		

SITE PLAN

DATE	August 1, 2016		
SCALE	AS NOTED		
DWN.	RJF	CHK.	DLK
PROJ. No.	3076-43		
DWG. No.			

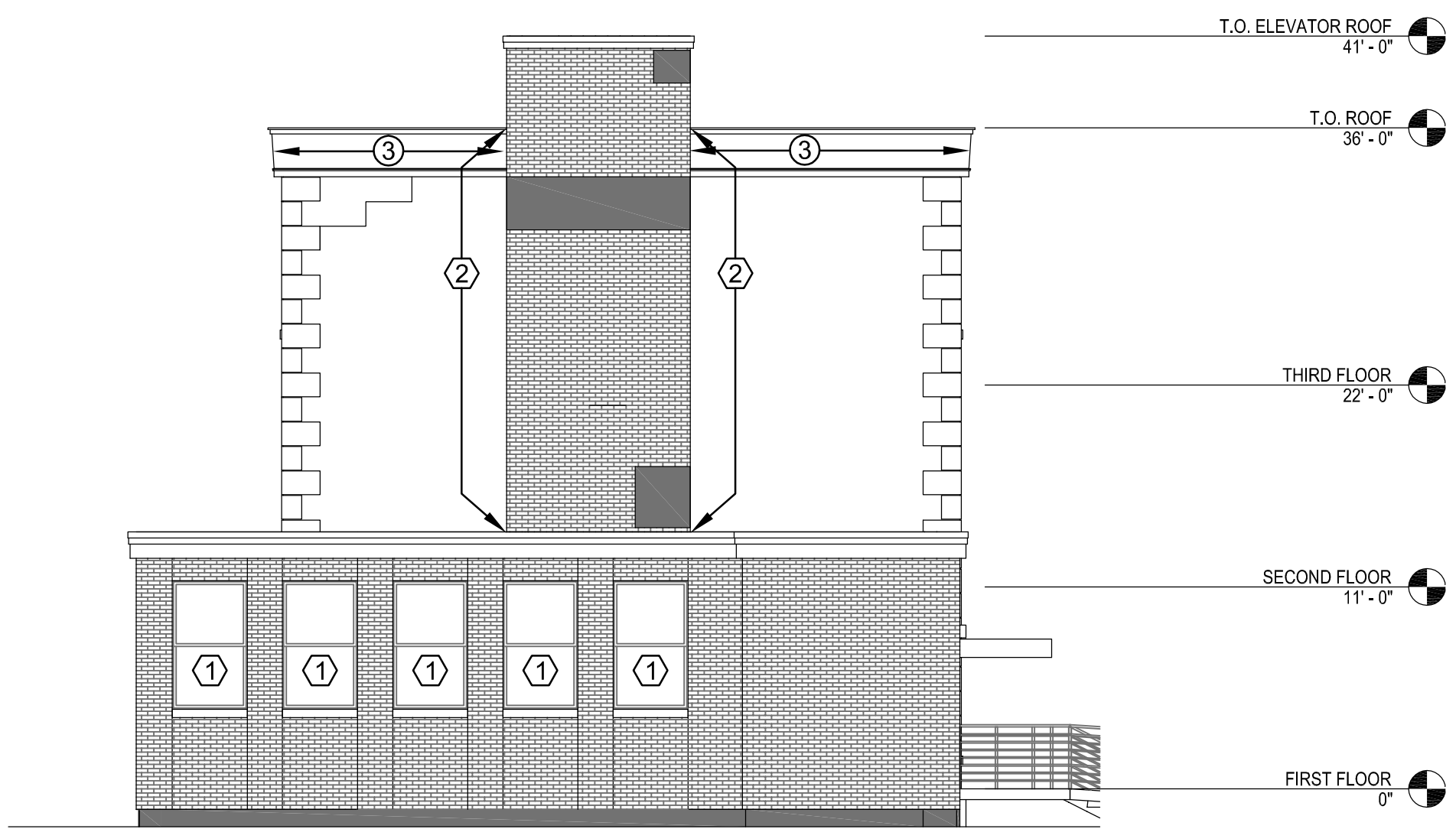
L101



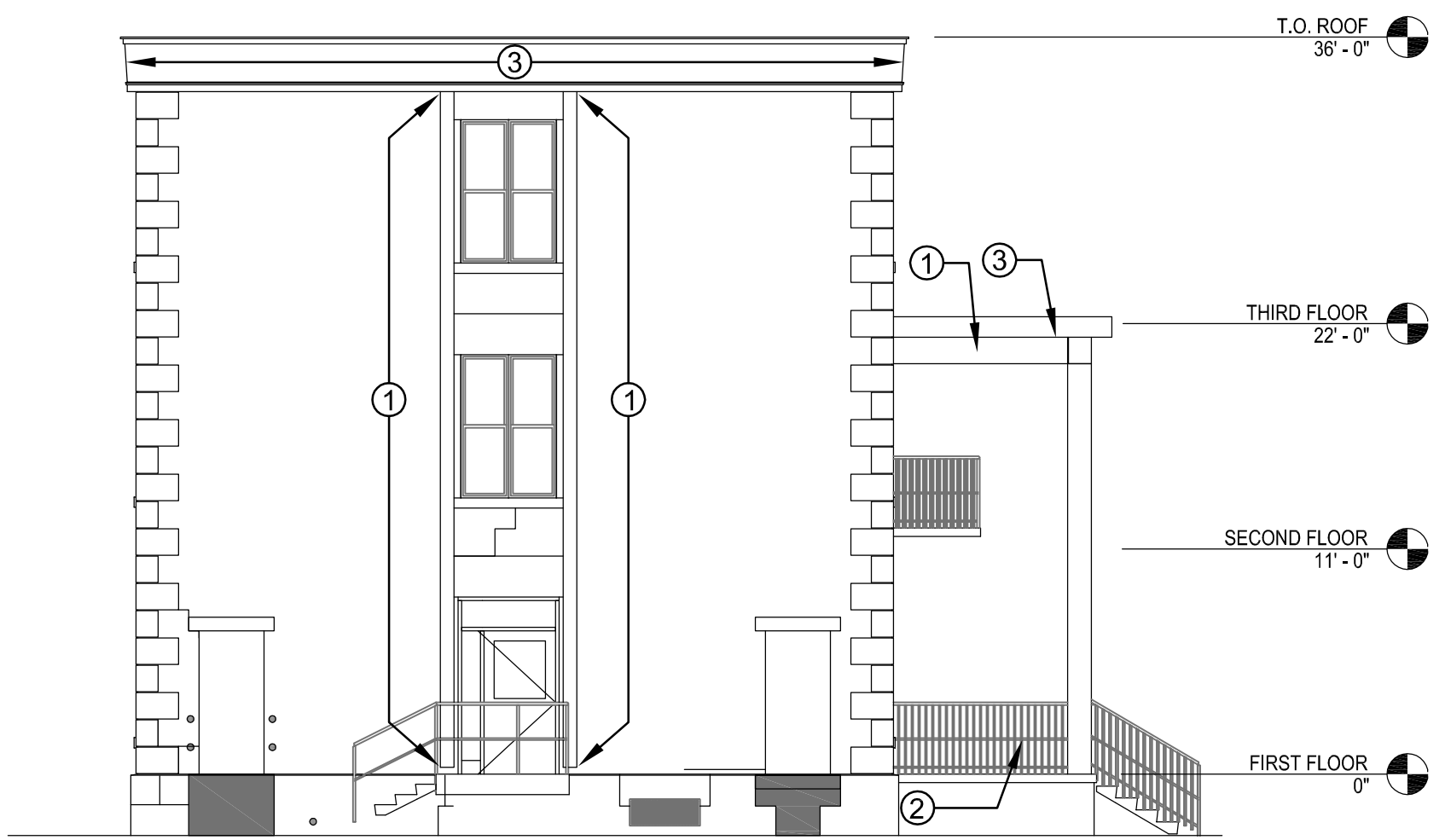
- GENERAL DRAWING NOTES:**
- A. THE ABATEMENT CONTRACTOR SHALL PERFORM ALL WORK, INCLUDING AREA CONTAINMENT MEASURES AND REMOVAL, IN ACCORDANCE WITH: THE PROJECT SPECIFICATION, ALL FEDERAL, STATE AND LOCAL REGULATIONS, AND ANY APPROPRIATE APPLICABLE VARIANCES AND SITE-SPECIFIC VARIANCES. APPLICABLE REGULATIONS INCLUDE, BUT ARE NOT LIMITED TO: 39R4-20 CFR 1926 SUBPART 2, 40 CFR PART 763 (AHERA), 40 CFR PART 61 SUBPART M (NESHAP STANDARD FOR DEMOLITION AND RENOVATION), AND NEW YORK STATE INDUSTRIAL CODE RULE 66.
 - B. AREAS UNDER ABATEMENT SHALL BE PROPERLY POSTED WITH WARNING SIGNS AND SECURED TO PREVENT UNAUTHORIZED ENTRIES.
 - C. THE LOCATION OF ANY ON-SITE STORAGE OF MATERIALS, EQUIPMENT, DUMPSTER/WASTE TRAILER AND DECONTAMINATION FACILITIES SHALL BE COORDINATED WITH AND APPROVED BY THE DIRECTOR'S REPRESENTATIVE.
 - D. A SITE SPECIFIC VARIANCE FOR THIS PROJECT HAS NOT BEEN APPLIED FOR. ANY VARIANCE APPLICATION PREPARED BY THE CONTRACTOR OR ITS AGENT MUST BE SUBMITTED TO THE DIRECTOR'S REPRESENTATIVE FOR APPROVAL PRIOR TO SUBMISSION TO THE STATE OF NEW YORK DEPARTMENT OF LABOR ENGINEERING SERVICES FOR PROCESSING. THE STATE SHALL BEAR NO ADDITIONAL COST AS A RESULT OF THE APPROVAL OF, THE DENIAL OF, AND/OR CONDITIONS SET FORTH WITHIN ANY SITE SPECIFIC VARIANCE PREPARED BY THE CONTRACTOR OR ITS AGENT.
 - E. CONTRACTOR SHALL REFER TO THE ENTIRE DRAWING SET FOR COORDINATION OF NOTES.
 - F. THE PROJECT MANUAL INCLUDES EXISTING HAZARDOUS MATERIAL INFORMATION FOR CONTRACTOR REFERENCE. THE CONTRACTOR SHALL MAINTAIN A COPY OF THE REPORT ON-SITE FOR THE DURATION OF THE PROJECT. QUANTITIES REPORTED WITHIN THE REPORT ARE APPROXIMATED. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING QUANTITIES FOR BIDDING PURPOSES.
 - G. ALL ABATEMENT AND/OR REMOVAL OF ASBESTOS CONTAINING MATERIALS MUST PASS VISUAL INSPECTION PER 12NYCRRS6 BEFORE GENERAL DEMOLITION WORK MAY COMMENCE.
 - H. IF DURING PROJECT WORK, A SUSPECT HAZARDOUS MATERIAL IS FOUND THAT WILL BE IMPACTED BY THE SCOPE OF WORK, AND WHICH HAS NOT BEEN TESTED AS DOCUMENTED IN THE PRE-RENOVATION INSPECTION REPORTS, THE CONTRACTOR SHALL CEASE OPERATIONS, AND NOTIFY THE DIRECTOR'S REPRESENTATIVE IMMEDIATELY.
 - I. THE ABATEMENT CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE DIRECTOR'S REPRESENTATIVE THE DE-ENERGIZING OF ALL DEVICES, EQUIPMENT, AND FIXTURES TO BE REMOVED PRIOR TO THE COMMENCEMENT OF ABATEMENT ACTIVITIES.

- ASBESTOS REMOVAL NOTES:**
- ① REMOVE WINDOW FRAME IN ITS ENTIRETY. REMOVE ALL ASBESTOS-CONTAINING CAULK FROM THE REMAINING ROUGH OPENING. PROPERLY DISPOSE OF CAULK AND FRAME. REMOVE AND PROPERLY DISPOSE OF ALL ASBESTOS-CONTAINING CAULK ON THE STONE SILLS AND LINTELS.
 - ② COMPLETELY REMOVE ASBESTOS-CONTAINING CAULK FROM CONTROL JOINT. PROPERLY DISPOSE OF ASBESTOS-CONTAINING CAULK.

- LEAD HANDLING NOTES:**
- ① PREPARE WOOD PILLAR AND BEAM TRIM TO RECEIVE NEW PAINT. PAINT ON WOOD PILLAR IS LEAD-BASED PAINT.
 - ② LEAD PAINT EXISTS ON THE METAL RAILING TO BE REMOVED.
 - ③ PREPARE WOOD FASCIA TO RECEIVE NEW PAINT. PAINT ON WOOD FASCIA IS LEAD-BASED PAINT.
 - ④ PREPARE WOOD CEILING OF PORCH TO RECEIVE NEW PAINT. PAINT ON WOOD CEILING IS LEAD-BASED PAINT.



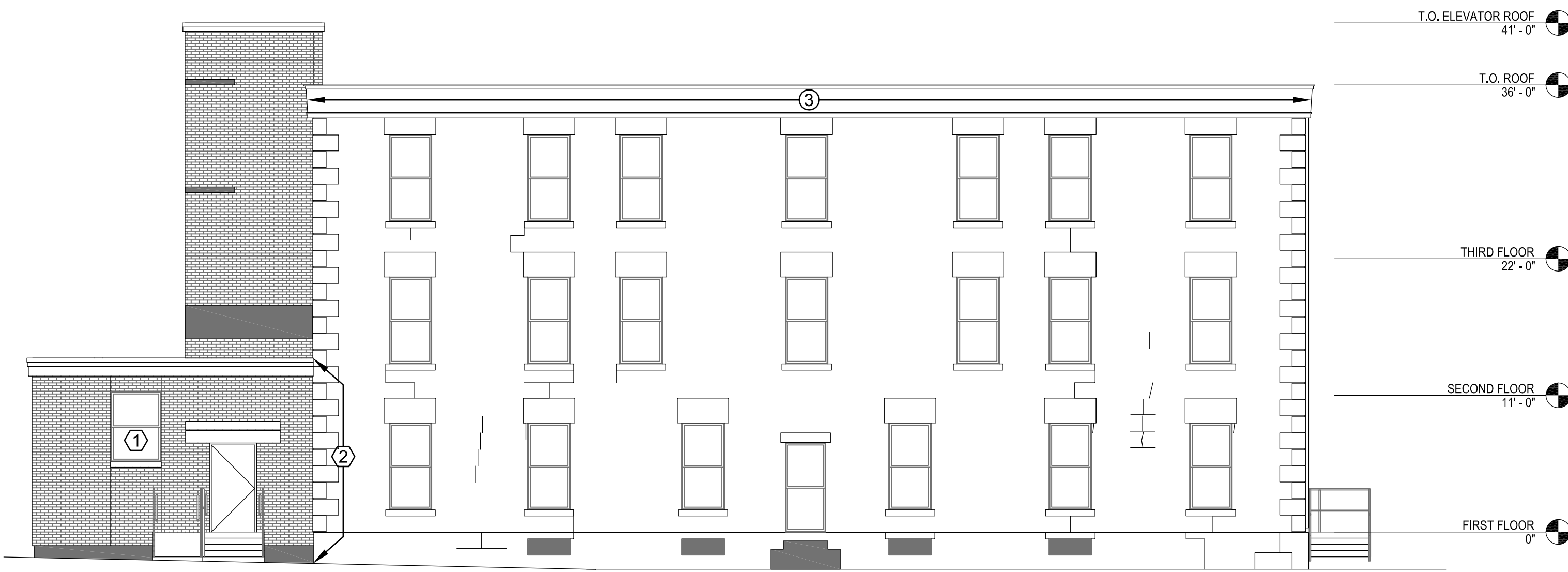
4 NORTH ELEVATION
1/8" = 1'-0"



5 SOUTH ELEVATION
1/8" = 1'-0"



6 EAST ELEVATION
1/8" = 1'-0"



3 WEST ELEVATION
1/8" = 1'-0"



2016
IMPROVEMENTS
PART 2
DPW BID # 61

CATTARAUGUS COUNTY
DEPARTMENT OF
PUBLIC WORKS
8810 ROUTE 242
LITTLE VALLEY, N.Y. 14755

STONE HOUSE
8824 ROUTE 16
MACHIAS, N.Y. 14101

BID DOCUMENTS



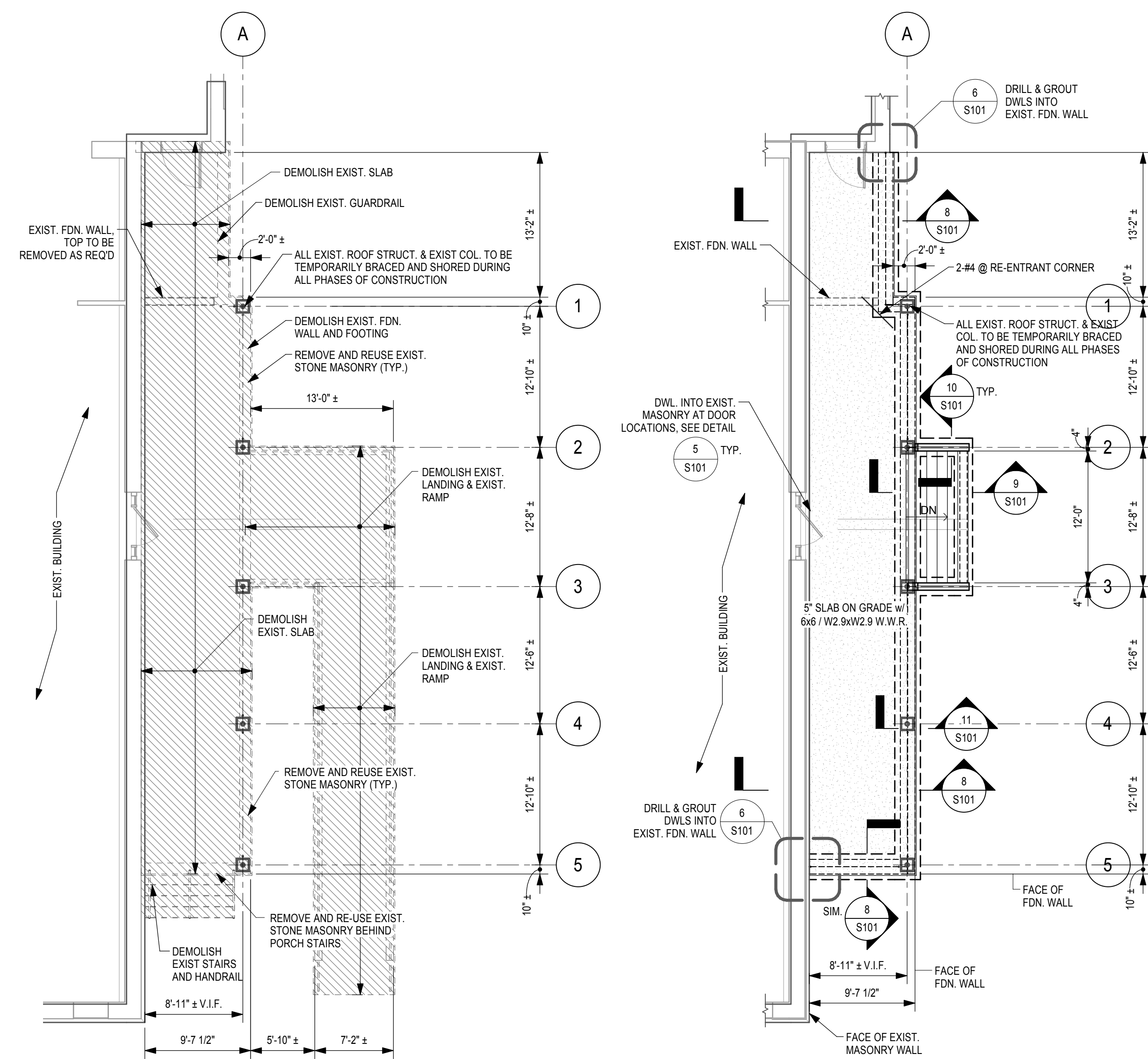
NOTE:
THIS DOCUMENT, AND THE IDEAS AND METHODS INCORPORATED HEREIN AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF THE ARCHITECT AND ENGINEER AND IS NOT TO BE USED IN WHOLE OR IN PART FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF THE ARCHITECT AND ENGINEER. UNAUTHORIZED ALTERATION OR ADDITION TO ANY SURVEY, DRAWING, DESIGN SPECIFICATION, PLAN OR REPORT IS PROHIBITED IN ACCORDANCE WITH STATE LAW, CODE AND RULES.

NO.	BY	REVISIONS	DATE
DWG. TITLE			

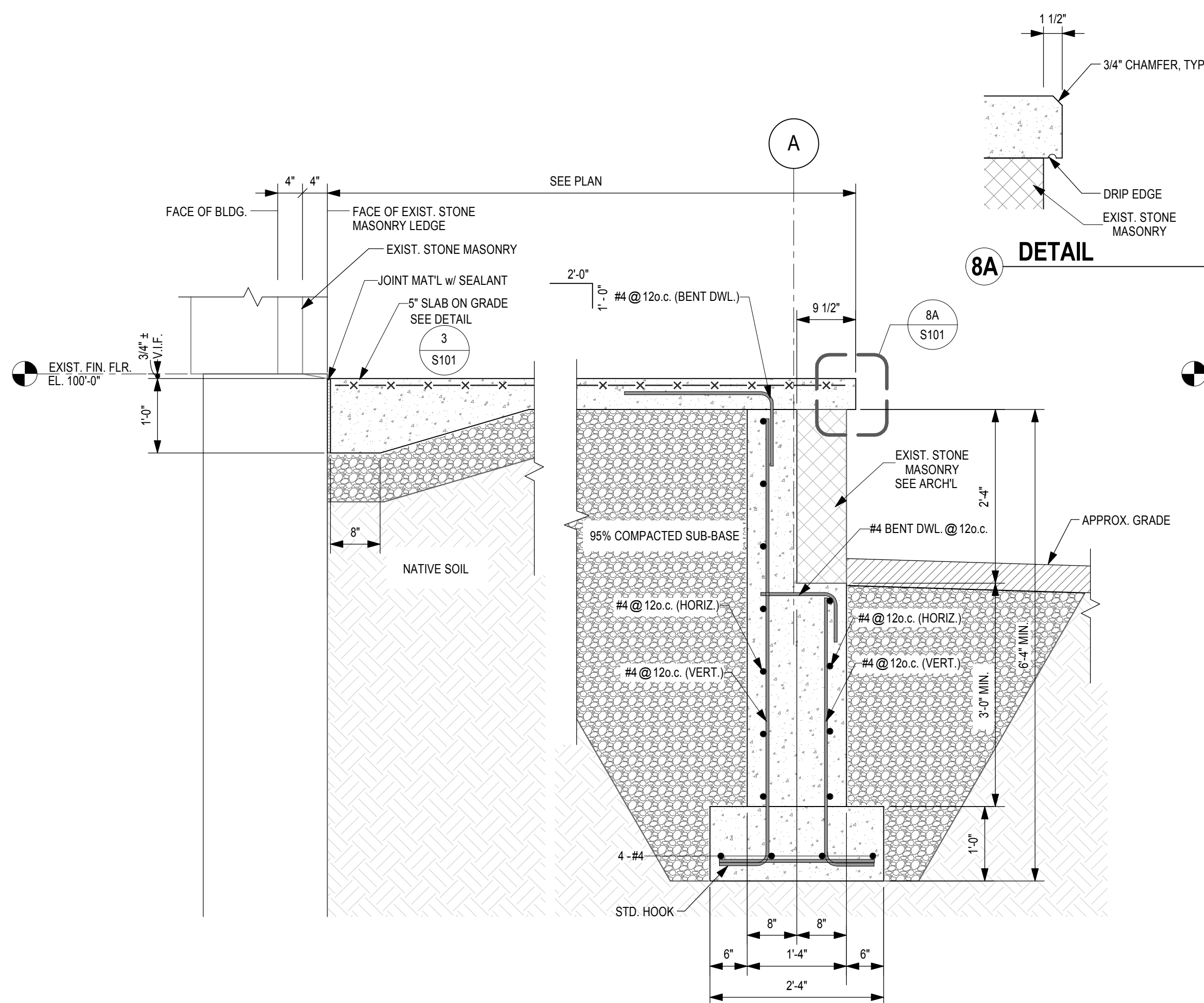
HAZARDOUS
MATERIALS
ABATEMENT FLOOR
PLAN AND
ELEVATIONS

DATE	August 1, 2016		
SCALE	AS NOTED		
DWN.	PJM	CHK.	ER
PROJ. No.	3076-43		
DWG. No.			

HM101

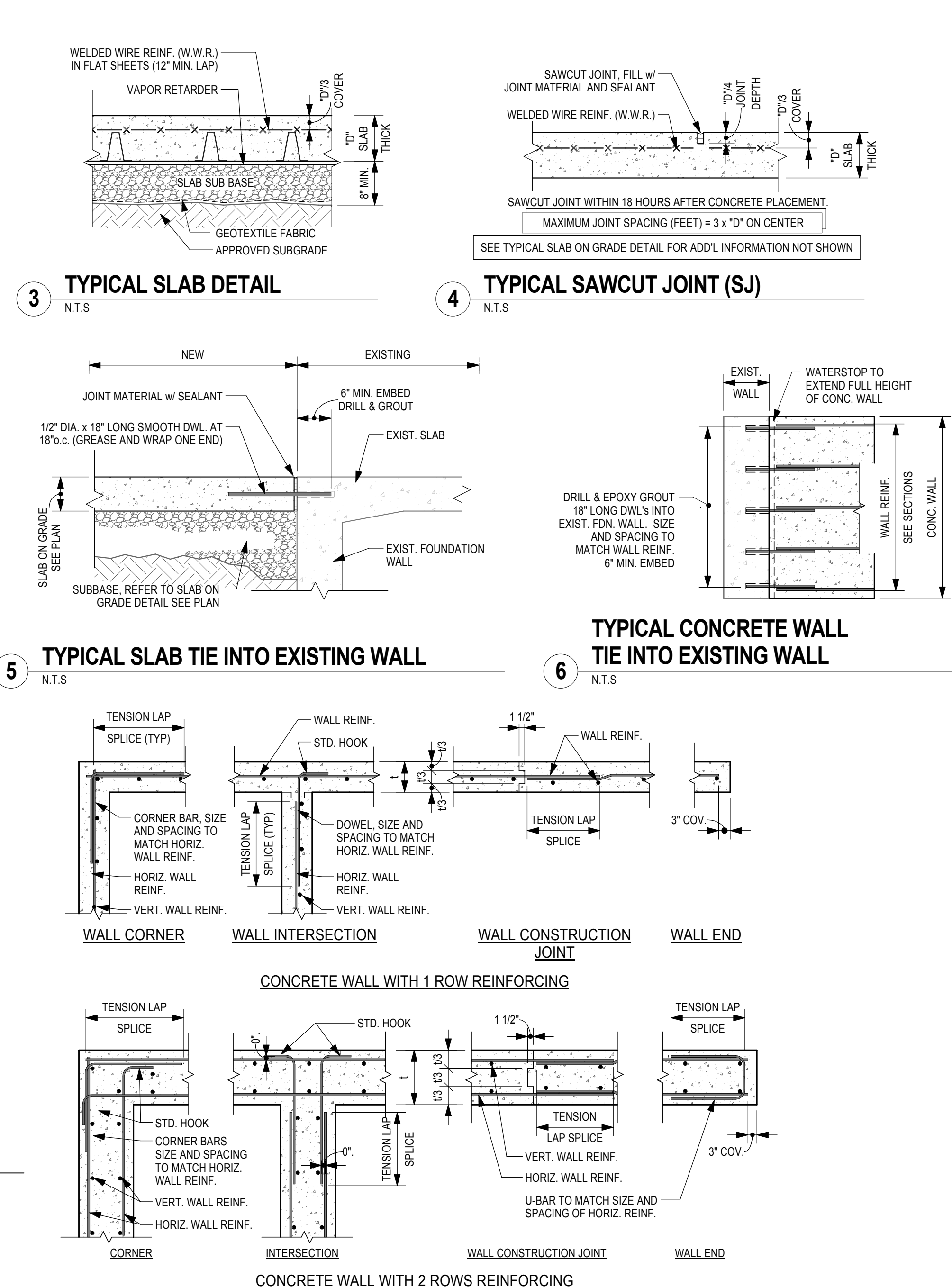


NOTES FOR DEMOLITION AND TEMPORARY SHORING OF ROOFS AND COLUMNS



8A DETAIL

9 TYPICAL CONCRETE STAIR ON GRADE
3/4" = 1'-0"



8A DETAIL

9 TYPICAL CONCRETE STAIR ON GRADE
3/4" = 1'-0"

10 TYPICAL STAIR TO WALL CONNECTION
3/4" = 1'-0"

11 SECTION
3/4" = 1'-0"

GENERAL NOTES

- G1 CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO PREPARATION OF SHOP DRAWINGS.
- G2 ALL WORK SHALL CONFORM TO THE LATEST EDITIONS OF THE BUILDING CODE OF NEW YORK STATE, THE ASCE CODE, THE ACI BUILDING CODE (ACI 318), THE AMERICAN WELDING SOCIETY CODE (AWS) AND ALL OTHER APPLICABLE STANDARDS. IN CASES OF CONFLICT, THE MOST STRINGENT SHALL GOVERN.
- G3 FOR ALL CONSTRUCTION MATERIALS AND METHODS, THE CONTRACTOR IS RESPONSIBLE FOR TEMPORARY BRACING, BRIDGING, OR SHORING AS REQUIRED FOR SAFETY, STABILITY, AND ALIGNMENT OF THE STRUCTURE. BRACING AND SHORING SHALL BE KEPT IN PLACE UNTIL PERMANENT STRUCTURAL SUPPORT IS FULLY EFFECTIVE.
- G4 REFER TO PROJECT SPECIFICATIONS FOR TESTING, INSPECTION, AND OTHER REQUIREMENTS.
- G5 A SPECIAL INSPECTION PROGRAM HAS BEEN DEVELOPED IN ACCORDANCE WITH BUILDING CODE REQUIREMENTS. REFER TO PROJECT SPECIFICATIONS FOR SPECIAL INSPECTION REQUIREMENTS.

FOUNDATION NOTES

- F1 THE FOUNDATIONS HAVE BEEN DESIGNED TO THE REQUIREMENTS SET FORTH IN THE GEOTECHNICAL REPORT PREPARED BY _____ DATED ____/____/____.
- F2 EXTERIOR CONSTRUCTION SHALL BE CARRIED DOWN NOT LESS THAN 4 FEET BELOW FINISHED EXTERIOR GRADE.
- F3 ALL FOUNDATIONS SHALL BEAR ON SUBGRADE MATERIAL HAVING A MINIMUM NET ALLOWABLE BEARING CAPACITY OF *** POUNDS PER SQUARE FOOT. COMPACT FOUNDATION SUBGRADES TO A MINIMUM OF 98% MODIFIED PROCTOR DENSITY AT OPTIMUM MOISTURE CONTENT.
- F4 BACKFILL NO EXTERIOR WALLS UNTIL PERMANENT LATERAL STRUCTURAL SUPPORT SYSTEM IS FULLY EFFECTIVE.
- F5 THE SUB-BASE FOR THE SLABS ON GRADE IS TO CONSIST OF CRUSHER RUN STONE, PLACED AND COMPACTED TO 95% OF MODIFIED PROCTOR DENSITY AT OPTIMUM MOISTURE CONTENT.

CONCRETE MASONRY

- CM1 ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE "BUILDING CODE REQUIREMENTS FOR CONCRETE MASONRY STRUCTURES" (ACI-530) AND SPECIFICATIONS (ACI 530.1).
- CM2 THE MASONRY SYSTEM HAS BEEN DESIGNED FOR A MINIMUM 28-DAY COMPRESSIVE STRENGTH (F_m) OF 1500 PSI.
- CM3 CONCRETE MASONRY MATERIALS SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES:
 - A. HOLLOW CONCRETE MASONRY UNITS CONFORMING TO ASTM C90, TYPE I, WITH A MINIMUM NET COMPRESSIVE STRENGTH OF 1900 PSI.
 - B. TYPE S MORTAR FOR REINFORCED MASONRY, IN ACCORDANCE WITH ASTM C270, WITH A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 1800 PSI.
 - C. GROUT FOR REINFORCED MASONRY, IN ACCORDANCE WITH ASTM C476, WITH A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI. GROUT SOLID ALL BOND BEAMS AND CORES WITH VERTICAL REINFORCING.
- CM4 PROVIDE REINFORCING BARS CONFORMING TO ASTM A615, GRADE 60. PROVIDE CONTINUOUS 9-GAUGE HORIZONTAL JOINT REINFORCING AT 16 INCHES VERTICAL SPACING.
- CM5 BRACE THE TOPS OF ALL WALLS TO THE STRUCTURE FOR LATERAL STABILITY.

MATERIAL LEGEND

- INDICATES 95% COMPACTED FREE DRAINING SUB-BASE (STRUCTURAL FILL)
- INDICATES NATIVE SOIL
- INDICATES APPROXIMATE FINAL GRADE. SEE SITE DRAWINGS
- INDICATES PROPOSED CONCRETE

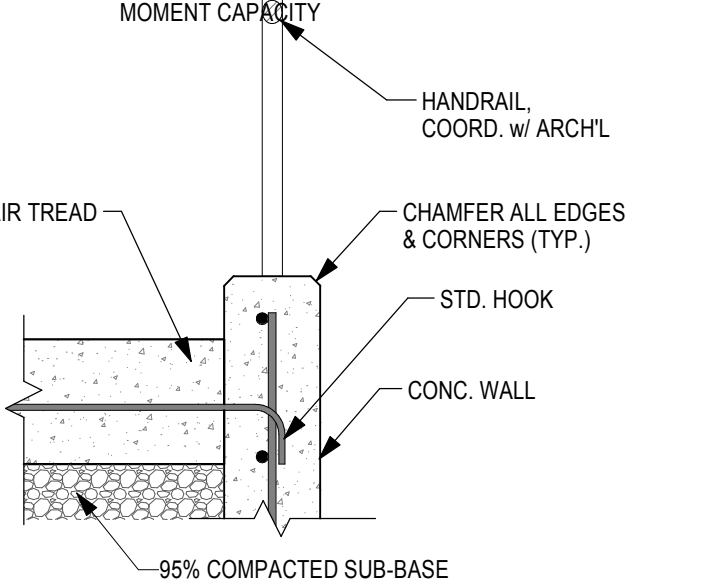
CONCRETE COVER REQUIREMENTS

LOCATION	MIN. CONCRETE COVER
CONCRETE CAST AGAINST SOIL	3"
OTHER CONCRETE BELOW GROUND	2"
EXTERIOR EXPOSED CONCRETE	2"
CONCRETE PITS	2"
INTERIOR CONCRETE SURFACES	1"

REINFORCING BAR SPlice LENGTHS

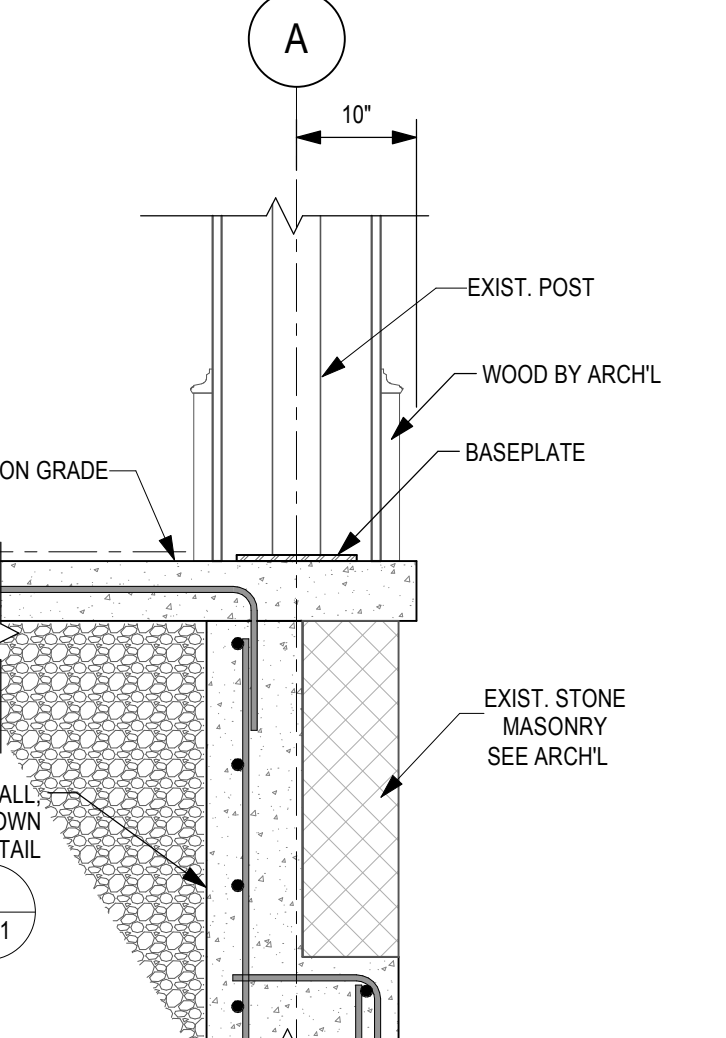
BAR SIZE	3000 PSI NORMAL WEIGHT CONCRETE			
	DEV LENGTH (IN)	CLASS B SPlice LENGTH (IN)	TOP BAR DEV LENGTH (IN)	TOP BAR SPlice LENGTH (IN)
3	14	18	18	24
4	19	24	24	32
5	23	30	30	39
6	28	36	36	47

- NOTES**
- REINFORCING BARS ARE CLASSIFIED AS TOP BARS WHEN MORE THAN 12" OF CONCRETE IS CAST BENEATH RESPECTIVE REINFORCING BAR
 - "SIDE LAP" ALL LAP SPICES TO PROVIDE MAXIMUM MOMENT CAPACITY



TYPICAL STAIR TO WALL CONNECTION

3/4" = 1'-0"



SECTION

3/4" = 1'-0"

SECTION 033000 - CAST-IN-PLACE CONCRETE

- WORKMANSHIP AND MATERIAL SHALL CONFORM TO THE MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES* (ACI-315), AND BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI-318).
- ALL CONCRETE SHALL HAVE THE FOLLOWING PROPERTIES:
 - A. 4000 PSI MINIMUM STRENGTH AT 28 DAYS
 - B. 5" SLUMP (1")
 - C. 0.04 MAXIMUM WATER CEMENT RATIO
 - D. ASTM C33, SIZE #57 COARSE AGGREGATE
 - E. 6% AIR CONTENT (1.5%)
- CONCRETE SHALL HAVE THE FOLLOWING PROPERTIES:

PORTION OF STRUCTURE	28-DAY MINIMUM STRENGTH (PSI)	SLUMP (1")	MAX WATER/CEMENT RATIO	MAX. COARSE AGGREGATE SIZE (ASTM C33)	AIR CONTENT (1.5%)
DRILLED PIERS (DRY HOLE)	3000	5"	0.50	#47	N/A
DRILLED PIERS (TREMIE)	4000	8"	0.40	#7	N/A
FOOTINGS, PIERS AND GRADE BEAMS	3000	3"	0.50	#57	6%
REINFORCED WALLS	4000	4"	0.45	#57	6%
INTERIOR SLAB ON GRADE	3500	4"	0.50	#467	2%
INTERIOR SLAB ON METAL DECK (120 PCF LIGHT WEIGHT)	3500	3"	0.50	#57	6%
INTERIOR SLAB ON METAL DECK (145 PCF NORMAL WEIGHT)	3500	3"	0.50	#57	2
PARKING AREAS, PAVEMENT, CURBS AND SIDEWALKS	4500	4"	0.40	#57	6%

- CONCRETE MATERIALS SHALL HAVE THE FOLLOWING PROPERTIES:
 - A. PORTLAND CEMENT: ASTM C150, TYPE II OR III
 - B. FLY ASH: ASTM C618, TYPE C OR F (20% MAXIMUM)
 - C. NORMAL WEIGHT AGGREGATES: ASTM C33
 - D. AIR-ENTRAINING ADMIXTURE: ASTM C260
 - E. LIGHTWEIGHT AGGREGATES: ASTM C330
 - F. WATER-REDUCING ADMIXTURE: ASTM C494
 - G. HIGH-RANGE WATER-REDUCING ADMIXTURE (SUPERPLATIZER): ASTM C494, TYPE F OR TYPE G
 - H. WATER: CLEAN AND DRINKABLE
- AD MIXTURES: PROVIDE ADMIXTURES FROM ONE MANUFACTURER THAT CONTAIN NOT MORE THAN 0.1 PERCENT CHLORIDE IONS.
- BAR REINFORCEMENT SHALL CONFORM TO ASTM A615, GRADE 60. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185. BAR SUPPORTS SHALL BE GALVANIZED OR STAINLESS STEEL. BAR SUPPORTS IN CONTACT WITH EXPOSED SURFACES SHALL BE GALVANIZED AND PLASTIC TIPPED.
- RELATED MATERIALS:
 - A. LIQUID-TYPE MEMBRANE-FORMING CURING COMPOUND, COMPLYING WITH ASTM C309, TYPE I, CLASS B. PROVIDE "KUREZ OR VOK" BY EUCILD CHEMICAL CO. OR APPROVED EQUIVALENT.
 - B. CONCRETE REPAIR MORTAR: FREE FLOWING, POLYMER MODIFIED CEMENTITIOUS COATING. PROVIDE "SKATOP 122 PLUS" BY THE Sika Corp. OR APPROVED EQUIVALENT.
 - C. BONDING AGENT: ACRYLIC BASE OR STYRENE BUTADIENE. PROVIDE "SICALATLEX" BY THE Sika Corp. OR APPROVED EQUIVALENT.
- SUBMIT CONCRETE MIX DESIGNS WITH BACK UP DATA FOR REVIEW AND APPROVAL, PRIOR TO PLACEMENT.
- SUBMIT SHOP DRAWINGS, FOR REVIEW AND APPROVAL, PRIOR TO FABRICATION OF REINFORCING. DRAWINGS SHALL SHOW REINFORCING DETAILS, INCLUDING GRADE, SIZE, AND SPACING OF BARS. SHOP DRAWINGS SHALL INDICATE CONSTRUCTION JOINTS, CURBS, DEPRESSIONS, SLEEVES, AND OPENINGS, ETC. WITH ALL ADDITIONAL REINFORCING REQUIRED.
- PROVIDE CONSTRUCTION JOINTS WHERE SHOWN. OMIT NONE AND ADD NONE WITHOUT WRITTEN APPROVAL. SUBMIT SHOP DRAWINGS SHOWING ALL PROPOSED CONSTRUCTION JOINT LOCATIONS FOR APPROVAL PRIOR TO PREPARATION OF AFFECTED REINFORCEMENT SHOP DRAWINGS. REINFORCEMENT SHALL BE CONTINUOUS THROUGH ALL CONSTRUCTION JOINTS UNLESS OTHERWISE INDICATED ON DRAWINGS.
- SIZES OF CONCRETE PLACEMENTS SHALL NOT EXCEED THE FOLLOWING:
 - A. WALLS AND GRADE BEAMS: PLACE IN MAXIMUM 60'-0" STRAIGHT LENGTH SECTIONS.
 - B. SLABS ON GRADE: PLACE IN A LINEAR PATTERN BETWEEN CONSTRUCTION JOINTS. ALLOW A MINIMUM OF 24 HOURS BETWEEN ADJACENT POURS. SAWCUT SLABS TO A MINIMUM OF ONE-QUARTER OF THE SLAB DEPTH, IN THE PATTERN SHOWN ON THE PLANS OR IF NOT SHOWN, IN SPACINGS NOT TO EXCEED 15 FEET IN EACH DIRECTION. START SAWCUTTING AS SOON AS THE SAW WILL NOT RAVEL THE EDGES OR DISLODGE AGGREGATE. ALL SAWCUTTING IS TO BE COMPLETED WITHIN 18 HOURS OF THE SLAB PLACEMENT.
- ALL CONCRETE SLABS SHALL BE CAST SO THAT THE SLAB THICKNESS IS AT NO POINT LESS THAN THAT INDICATED ON THE DRAWINGS. THIS WILL REQUIRE THAT SLAB THICKNESS BE ADJUSTED WHERE BEAMS, GIRDERS OR TRUSSES HAVE AN UPWARD CAMBER.
- ON STEEL FRAMED FLOORS, PROVIDE ADDITIONAL CONCRETE AS NECESSARY TO FINISH THE FLOORS TO WITHIN SPECIFIED TOLERANCES WHILE ACCOUNTING FOR METAL DECK AND STEEL BEAM DEFLECTIONS. ALLOW AN AVERAGE OF AT LEAST 1/2 INCH OF CONCRETE FOR EACH FLOOR.
- APPLY A NON-SLIP BROOM FINISH, PERPENDICULAR TO PEDESTRIAN TRAFFIC, FOR ALL CONCRETE PAVEMENTS, EXTERIOR SLABS, RAMPS, STEPS AND PLATFORMS.
- PROVIDE A UNSEED OIL TREATMENT FOR ALL EXTERIOR CONCRETE.
- INTERIOR CONCRETE SLAB FINISH SCHEDULE:

FLOOR FINISH	CONCRETE FINISH	FLOOR FLATNESS (F)	FLOOR LEVELNESS (F)
TILE OR TERRAZZO	SCRATCH	15	13
EXPOSED CONCRETE, RESILIENT FLOORING, CARPET, CERAMIC, OR QUARRY TILE	STEEL TROWEL	25	20
THIN SET CERAMIC OR QUARRY TILE	STEEL TROWEL WITH FINE BROOM FINISH	30	25

- ISOLATION JOINT MATERIAL SHALL BE CLOSED CELL JOINT FILLER (ASTM D1752) AND JOINT SEALANT SHALL BE "THC- 900" BY TREMCO OR APPROVED EQUIVALENT.
- REFER TO ACI 305 FOR HOT WEATHER CONCRETE REQUIREMENTS AND ACI 308 FOR COLD WEATHER CONCRETE REQUIREMENTS.
- REINFORCING SHALL BE INSPECTED AND APPROVED BY THE TESTING AGENCY BEFORE CONCRETE IS PLACED.
- QUALITY CONTROL TESTING DURING CONSTRUCTION:
 - A. SAMPLING FRESH CONCRETE: ASTM C172, EXCEPT MODIFIED FOR SLUMP TO COMPLY WITH ASTM C94
 - B. SLUMP: ASTM C143; ONE TEST AT POINT OF DISCHARGE FOR EACH SET OF COMPRESSIVE TEST SPECIMENS AND WHENEVER CONCRETE CONSISTENCY SEEMS TO HAVE CHANGED. TEST PUMPED CONCRETE AT THE HOPPER AND AT THE DISCHARGE POINT, TO DETERMINE A CHANGE IN THE SLUMP.
 - C. AIR CONTENT: ASTM C173 OR ASTM C231; ONE TEST FOR EACH SET OF COMPRESSIVE TEST SPECIMENS.
 - D. CONCRETE TEMPERATURE: ASTM C1064, TEST HOURLY WHEN AIR TEMPERATURE IS 40 DEG. F AND BELOW, WHEN 80 DEG. F AND ABOVE, AND ONE TEST FOR EACH SET OF COMPRESSIVE TEST SPECIMENS.
 - E. COMPRESSIVE STRENGTH TESTS: ASTM C39; ONE SET OF 4 STANDARD CYLINDERS FOR EACH COMPRESSIVE STRENGTH TEST. MOLD AND STORE CYLINDERS FOR LABORATORY- CURED TEST SPECIMENS.
 - F. COMPRESSIVE STRENGTH TESTS: ASTM C39; ONE SET OF 4 STANDARD CYLINDERS PLACED IN ANY ONE DAY, ONE SPECIMEN TESTED AT 1 DAYS, TWO SPECIMENS TESTED AT 28 DAYS, AND ONE SPECIMEN RETAINED IN RESERVE FOR LATER TESTING IF REQUIRED.
 - G. CONCRETE FLATNESS AND LEVELNESS SHALL BE TESTED WITHIN 72 HOURS OF PLACEMENT IN ACCORDANCE WITH ASTM E1155.



2016 IMPROVEMENTS PART 2
DPW BID # 61

CATTARAUGUS COUNTY DEPARTMENT OF PUBLIC WORKS
6810 ROUTE 242
LITTLE VALLEY, N.Y. 14755

STONE HOUSE
9824 ROUTE 16
MACHIAS, N.Y. 14101

BID DOCUMENTS



535 Washington Street, Suite 603
Buffalo, NY 14203
www.wendelcompanies.com
p 716.688.0766 f 716.625.6825

Wendel W/D Architecture, Engineering,
Surveying and Landscape Architecture P.C.

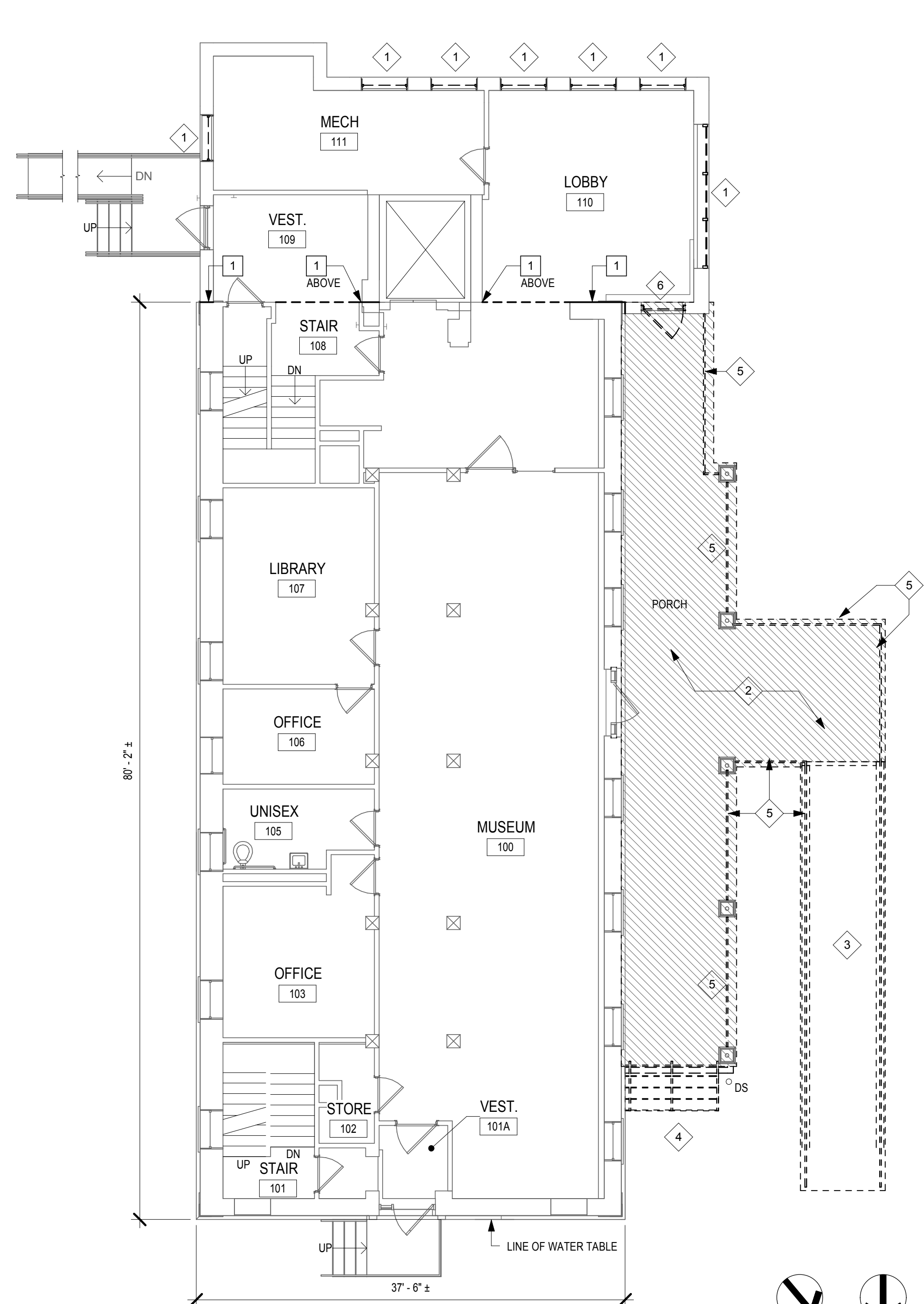
THIS DOCUMENT, AND THE IDEAS AND CONCEPTS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF THE ARCHITECT AND ENGINEER AND IS NOT TO BE USED IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF THE ARCHITECT AND ENGINEER. UNAUTHORIZED ALTERATION OR ADDITION TO ANY SURVEY DRAWING, DESIGN, SPECIFICATION, PLAN, OR REPORT IS PROHIBITED IN ACCORDANCE WITH STATE LAW, CODE AND RULES.

NO. BY REVISIONS DATE
DWG. TITLE

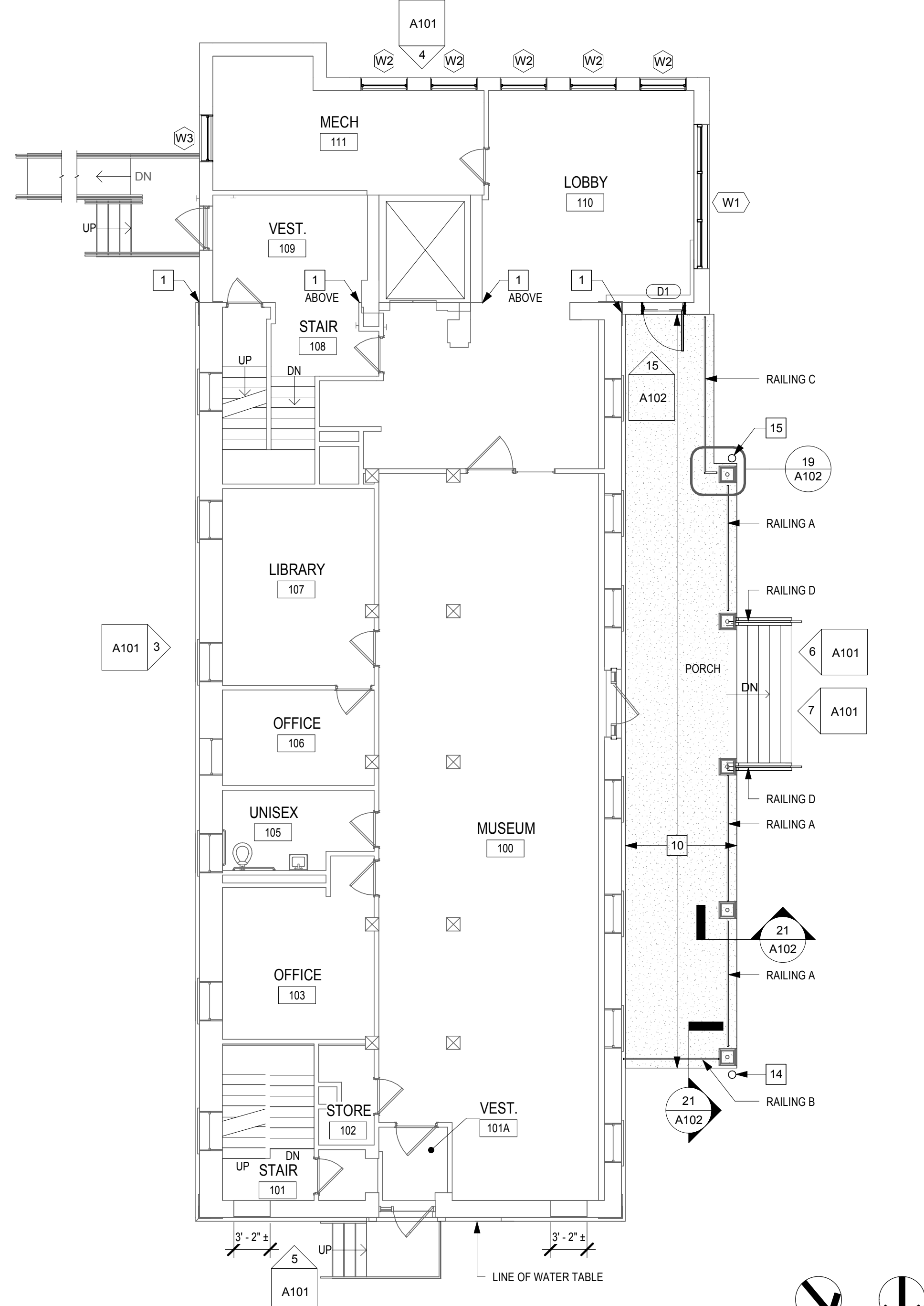
PORCH PLANS, SECTIONS & DETAILS

DATE August 1, 2016
SCALE As indicated
DWN EJT CHK CMA
PRJ. No. 3076-43
DWG. No.

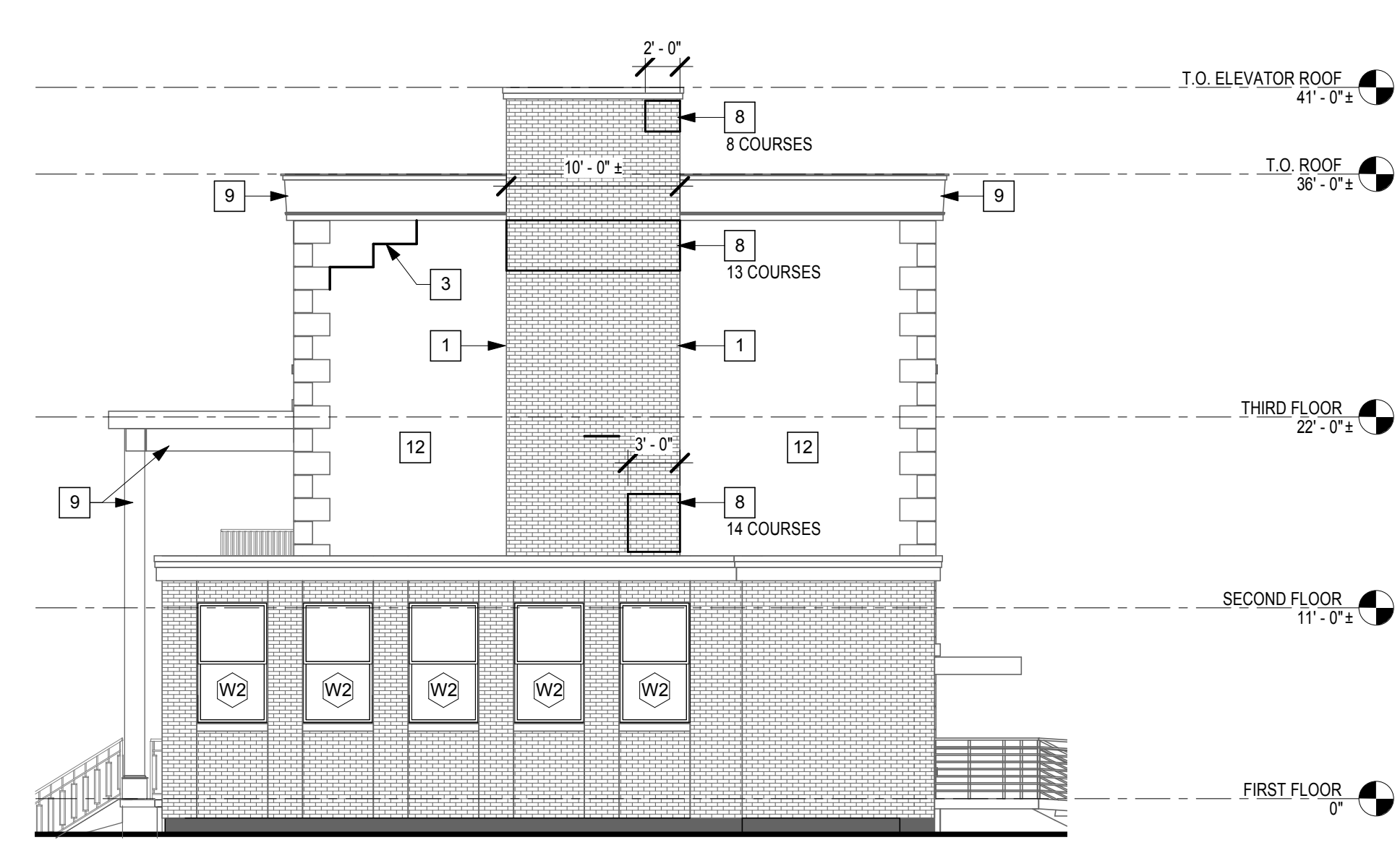
S101



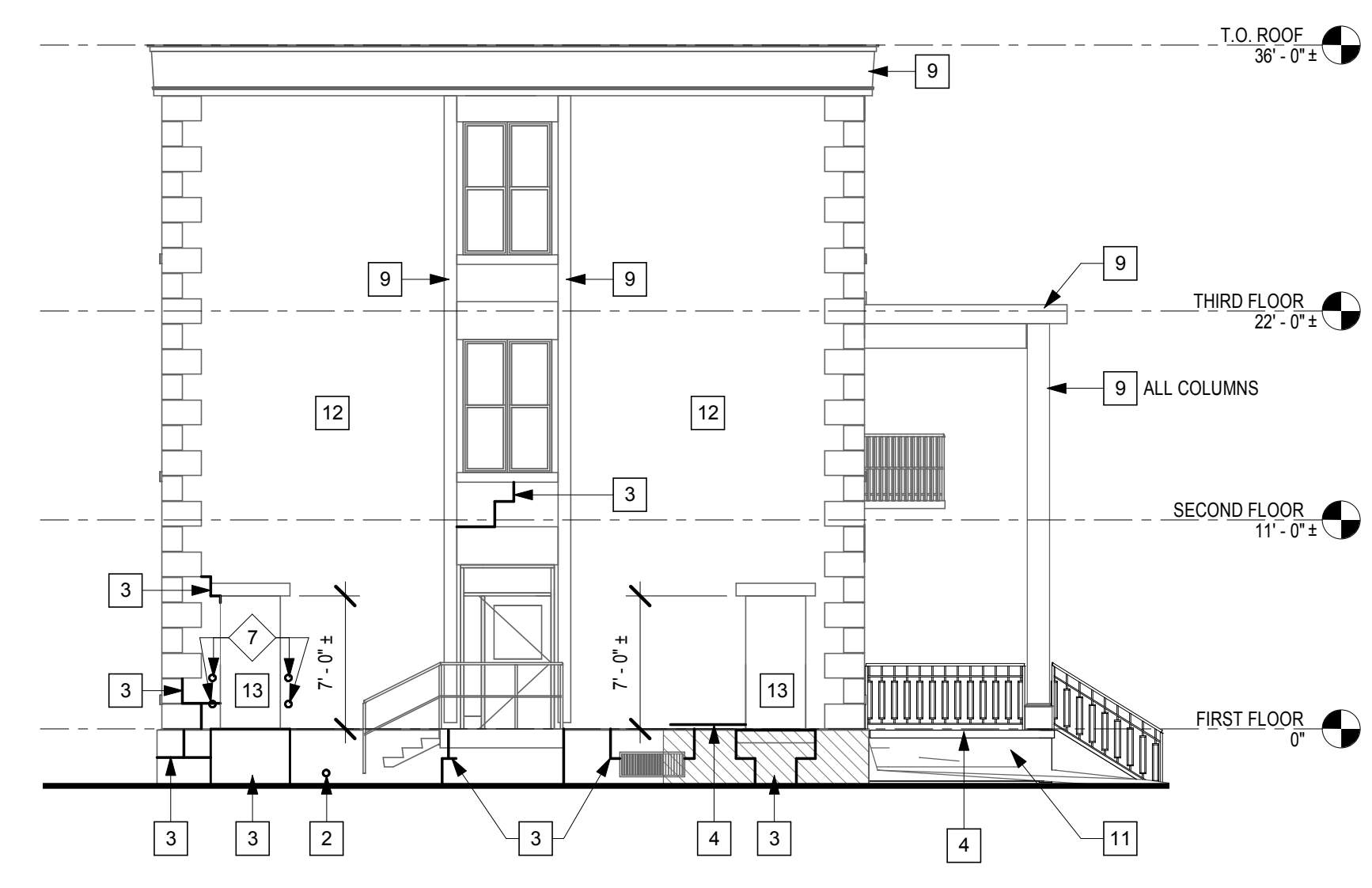
2 FIRST FLOOR DEMOLITION PLAN
1/8" = 1'-0"



1 FIRST FLOOR PLAN
1/8" = 1'-0"



4 SOUTH ELEVATION
1/8" = 1'-0"



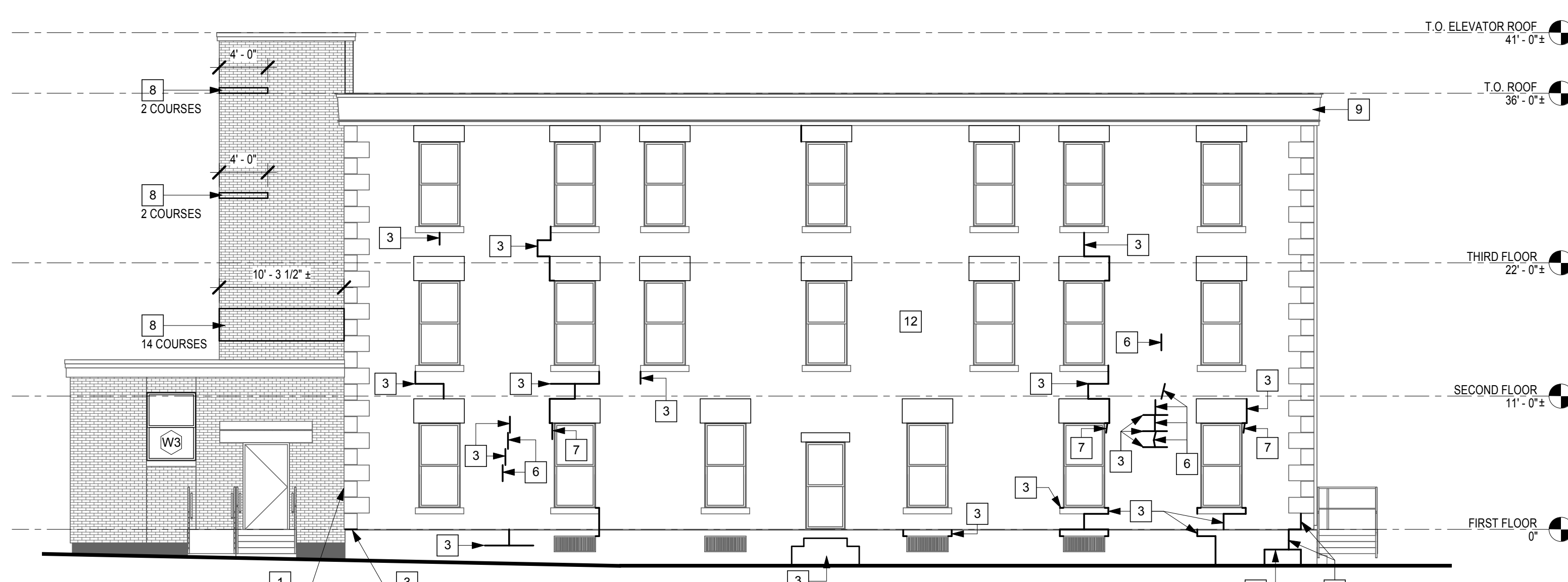
5 NORTH ELEVATION
1/8" = 1'-0"



6 WEST ELEVATION - REPOINTING
1/8" = 1'-0"



7 WEST ELEVATION - RAILING
1/8" = 1'-0"



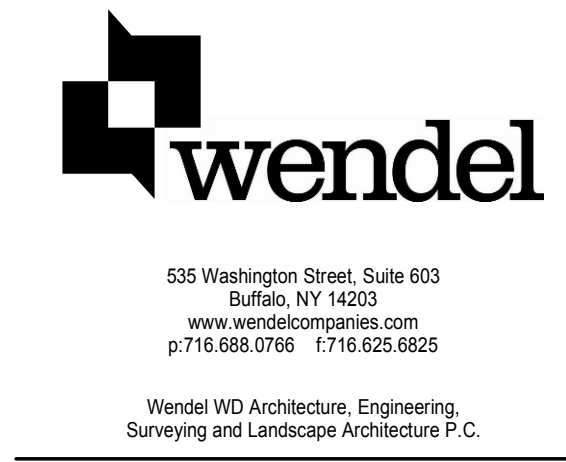
3 EAST ELEVATION
1/8" = 1'-0"

KEYNOTES:	
1 REMOVE SEALANT RE: ABATEMENT DWG. REPLACE WITH SEALANT AND BACKER ROD.	8 REPOINT AREA OF BRICKWORK.
2 PROVIDE SEALANT AROUND PIPE PENETRATION.	9 REPAINT EXISTING WOOD SOFFIT, FASCIA, TRIM AND POSTS.
3 REPOINT CRACK IN MORTAR JOINT.	10 REPAINT EXISTING CEILING AND TRIM ABOVE PORCH.
4 REMOVE GREY CEMENT MORTAR AND REPOINT.	11 REINSTALL EXISTING STONE PANELS TO FRONT OF WALL. RE: STRUCTURAL DWG.
5 DRILL OUT OLD BOLTS AND REPOINT.	12 CLEAN EXISTING STONE OVER WHOLE OF WALL AREA.
6 PREPARE CRACK IN STONE TO RECEIVE MORTAR.	13 PROVIDE FRP PANEL TO OPENING, SECURED TO FRAMING BEHIND. PROVIDE SEALANT AROUND PERIMETER.
7 SECURE LOOSE CORNER OF STONE WITH PIN INTO ADJACENT STONE.	14 DISCONNECT THEN RECONNECT EXISTING DOWNSPOUT TO CAST IRON PIPE.
	15 EXTEND EXISTING ALUMINUM DOWNSPOUT TO GRADE. PROVIDE CONCRETE SPLASH PAD AT BASE.

DEMOLITION KEYNOTES:	
1 REMOVE WINDOW FRAME AND GLAZING IN ITS ENTIRETY. PREP OPENING TO RECEIVE NEW WINDOW. RE: ABATEMENT DWG.	
2 DEMOLISH CONCRETE DECK AND ITS FOUNDATION WALL. RE: STRUCT DWGS FOR EXTENT OF DEMOLITION.	
3 DEMOLISH CONCRETE RAMP SLAB AND ITS FOUNDATION WALL. RE: STRUCTURAL DWGS FOR EXTENT OF DEMOLITION.	
4 DEMOLISH CONCRETE STAIR. RE: STRUCTURAL DWGS FOR EXTENT OF DEMOLITION.	
5 REMOVE RAILING. RE: ABATEMENT DWG.	
6 EXISTING DOOR AND FRAME TO BE REMOVED IN ITS ENTIRETY.	
7 REMOVE BRACKETS FROM WALL. SEAL HOLES.	



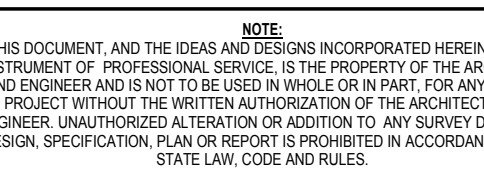
2016 IMPROVEMENTS PART 2
DPW BID # 61
CATTARAUGUS COUNTY DEPARTMENT OF PUBLIC WORKS
6810 ROUTE 242
LITTLE VALLEY, N.Y. 14755
STONE HOUSE
9824 ROUTE 16
MACHIAS, N.Y. 14101
BID DOCUMENTS



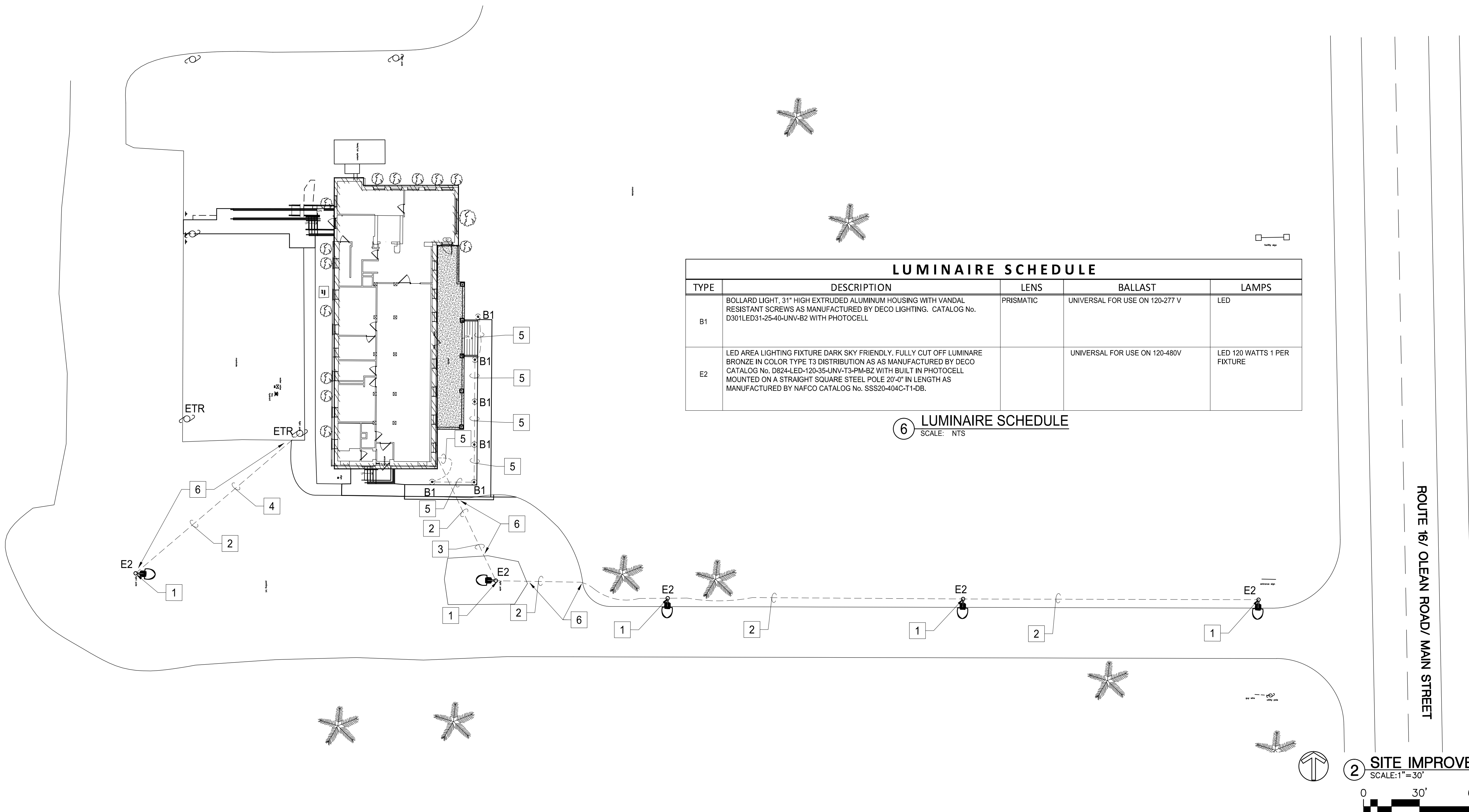
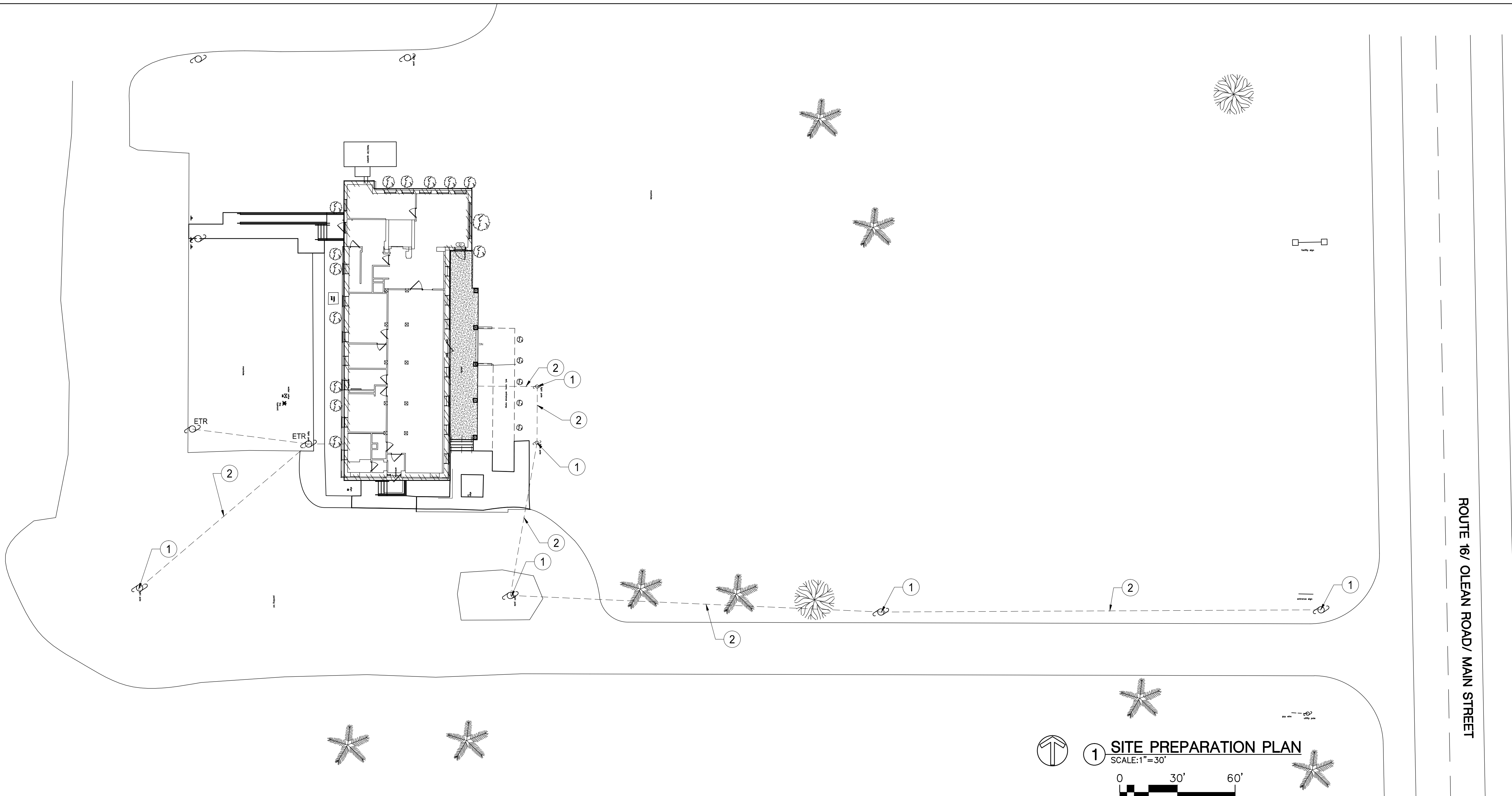
THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF THE ARCHITECT AND ENGINEER AND IS NOT TO BE USED IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF THE ARCHITECT AND ENGINEER. UNAUTHORIZED ALTERATION OR ADDITION TO ANY SURVEY, DRAWING, DESIGN, SPECIFICATION, PLAN OR REPORT IS PROHIBITED IN ACCORDANCE WITH STATE LAW, CODE AND RULES.

NO.	BY	REVISIONS	DATE
DWG. TITLE			
FLOOR PLAN AND ELEVATIONS			
DATE August 1, 2016			
SCALE As indicated			
DWN: SSS CHK: JAH			
PRJL No: 3076-43			
DWG. No.			

A101



PRINT DATE: Aug 1, 2016 10:52 PM USER: RLF
FILE NAME: P:\2016\2016 Stone House\2016 Stone House.dwg
PLOT NAME: P:\2016\2016 Stone House\2016 Stone House.dwg



LUMINAIRE SCHEDULE				
TYPE	DESCRIPTION	LENS	BALLAST	LAMPS
B1	BOLLARD LIGHT, 31" HIGH EXTRUDED ALUMINUM HOUSING WITH VANDAL RESISTANT SCREWS AS MANUFACTURED BY DECO LIGHTING. CATALOG No. D301LED31-25-40-UNV-B2 WITH PHOTOCELL	PRISMATIC	UNIVERSAL FOR USE ON 120-277 V	LED
E2	LED AREA LIGHTING FIXTURE DARK SKY FRIENDLY, FULLY CUT OFF LUMINAIRE BRONZE IN COLOR TYPE T3 DISTRIBUTION AS MANUFACTURED BY DECO CATALOG No. D304LED-120-35-UNV-T3-PM-B2 WITH BUILT IN PHOTOCELL MOUNTED ON A STRAIGHT SQUARE STEEL POLE 20'-0" IN LENGTH AS MANUFACTURED BY NAFCO CATALOG No. SSS20-404C-T1-08.		UNIVERSAL FOR USE ON 120-480V	LED 120 WATTS 1 PER FIXTURE

6 LUMINAIRE SCHEDULE
SCALE: N.T.S.

GENERAL DEMOLITION NOTES:

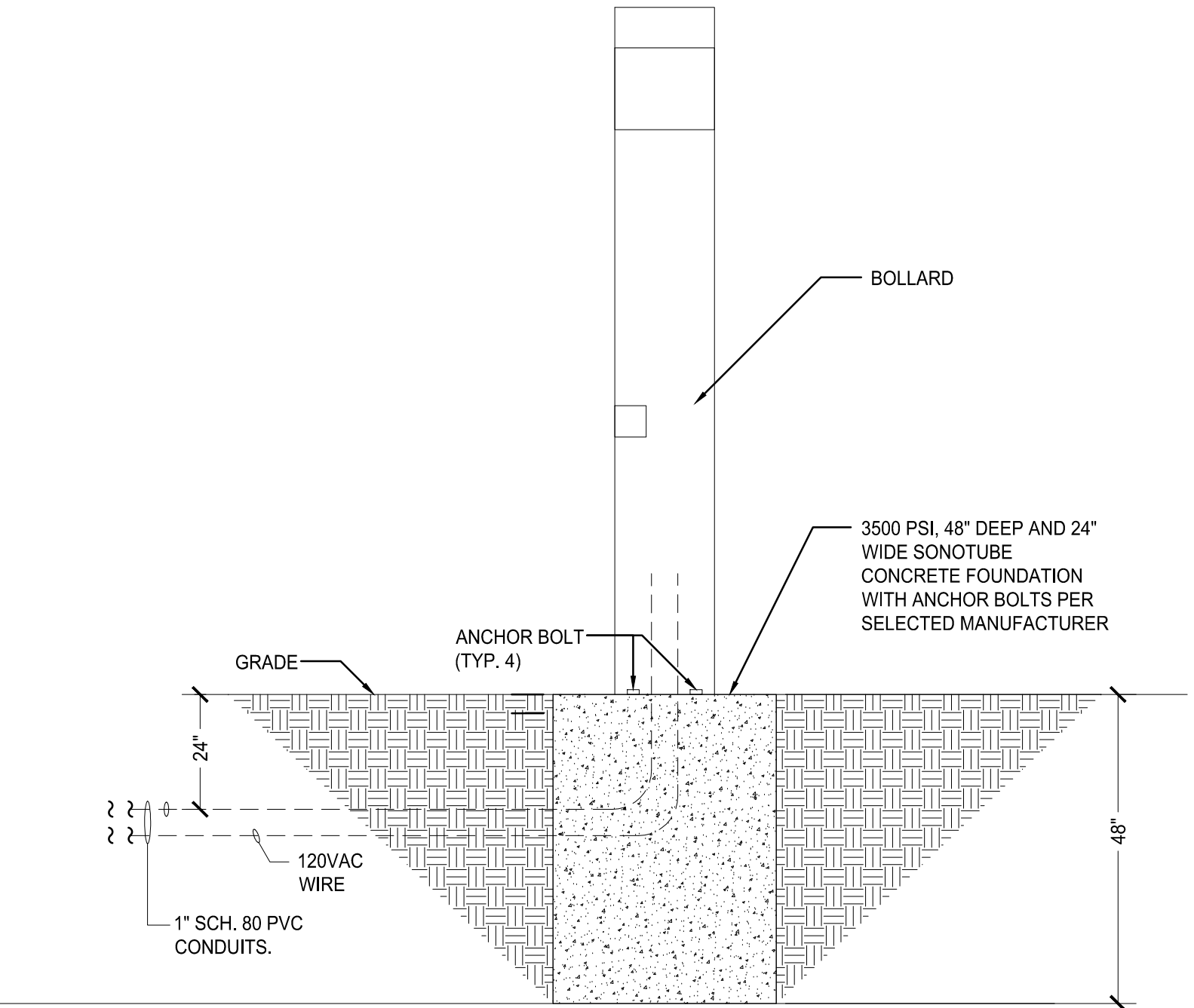
- ALL EXISTING LIGHT POLES, LIGHT FIXTURES AND FOUNDATIONS ARE TO BE REMOVED.
- ALL EXISTING WIRING IS TO BE REMOVED IN ITS ENTIRETY.
- ALL UNDERGROUND CONDUITS ARE TO BE REMOVED.

DEMOLITION NOTES:

- DISCONNECT AND REMOVE EXISTING LIGHT POLE, FIXTURE AND FOUNDATIONS.
- REMOVE EXISTING WIRING BACK TO BUILDING'S ABANDON CONDUITS IN PLACE.

LEGEND

EXISTING POLE, FIXTURE AND CONCRETE FOUNDATION



4 BOLLARD BASE DETAIL
SCALE: N.T.S.

GENERAL NOTES:

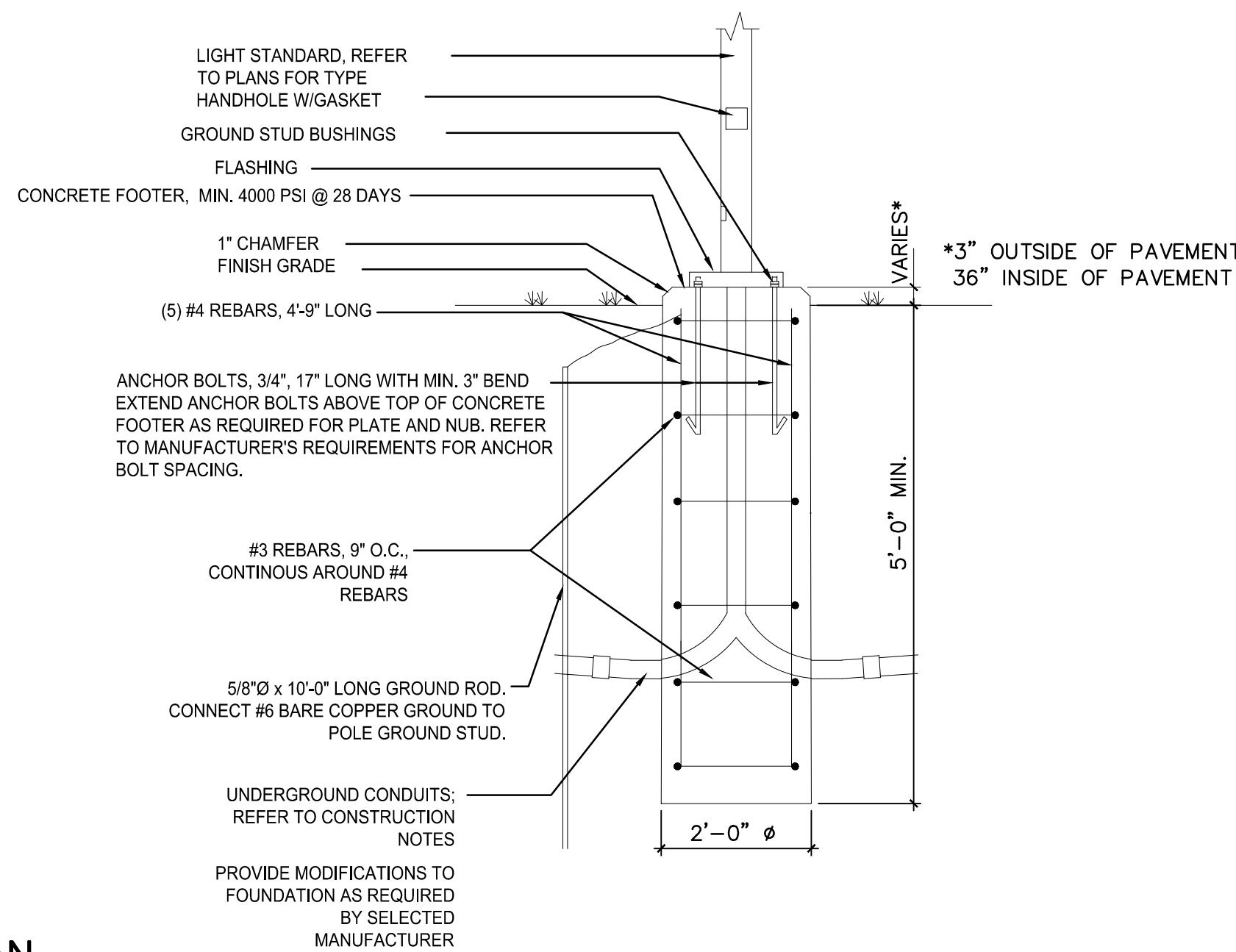
- ALL CONDUITS TO BE INSTALLED 24" BELOW FINAL GRADE.
- PROVIDE CONCRETE FOUNDATION FOR ALL LOCATIONS. REFER TO DETAIL No.2 AND 3 THIS DRAWING.

CONSTRUCTION NOTES:

- REFER TO REFER TO FOUNDATION DETAIL AND LUMINAIRE SCHEDULE FOR ADDITIONAL INFORMATION FOR FIXTURES.
- 1" SCH. 80 PVC CONDUIT 24" BELOW GRADE WITH 3 NO. 6 XHHW WIRES.
- 480/277V LIGHTING CIRCUIT.
- 120/280V LIGHTING CIRCUIT.
- 1" SCH. 80 PVC CONDUIT 24" BELOW FINAL GRADE WITH 3 No. 10 XHHW WIRES TO 120 V LIGHTING PANEL. CONNECT TO EXISTING 120 V LIGHTING CIRCUIT.
- SAWCUT EXISTING ASPHALT FOR TRENCHING AND REPLACE IN KIND.

LEGEND

- NEW SITE LIGHT
- ELECTRICAL LINE FEED
- EXISTING SITE LIGHT



3 FOUNDATION DETAIL - SITE LUMINAIRE BASE
SCALE: N.T.S.



2016 IMPROVEMENTS PART 2

DPW BID # 61

CATTARAUGUS COUNTY DEPARTMENT OF PUBLIC WORKS

6810 ROUTE 242
LITTLE VALLEY, N.Y. 14755

STONE HOUSE

9824 ROUTE 16
MACHIAS, N.Y. 14101

BID DOCUMENTS



535 Washington Street, Suite 603
Buffalo, NY 14203
www.wendelcompanies.com
716.685.0795 1716.625.6825

Wendel WD Architecture, Engineering,
Surveying and Landscape Architecture P.C.

THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN, AS AN INSTRUMENT OF PROFESSIONAL SERVICE, IS THE PROPERTY OF THE ARCHITECT AND ENGINEER AND IS NOT TO BE USED IN WHOLE OR IN PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF THE ARCHITECT AND ENGINEER. UNAUTHORIZED ALTERATION OR ADDITION TO ANY SURVEY, DRAWING, DESIGN, SPECIFICATION, PLAN OR REPORT IS PROHIBITED IN ACCORDANCE WITH STATE LAW, CODE AND RULES.

NO.	BY	REVISIONS	DATE
DWG	TITLE		

SITE ELECTRICAL PLAN

DATE	August 1, 2016
SCALE	AS NOTED
DWN.	RJF
CHK.	DLK
PRJ.	No. 3076-43
DWG.	No.

E101