

FILE NAME: H:\2018\18550-00_MCDONALD\DS\505A_C1_0.DWG LAYOUT NAME: Work PLOTTED: Monday, July 02, 2018 - 2:38pm

GENERAL NOTES

1. CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE LOCAL, STATE, AND NATIONAL CODES AND REGULATIONS.

2. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO BID TO DETERMINE THE EXTENT OF WORK. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES PRIOR TO BIDDING.

3. ALL EXISTING MATERIALS TO REMAIN WHICH ARE DAMAGED OR OTHERWISE DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE PATCHED OR REPAIRED TO MATCH THE EXISTING ADJACENT MATERIALS, SO THAT THE REPAIR IS IMPERCEPTIBLE.

4. DURING THE COURSE OF CONSTRUCTION, IF THE CONTRACTOR UNCOVERS ANY CODE VIOLATION KNOWN TO HIM OR ANY DISCREPANCY WITH THE DESIGN, CONTRACTOR SHALL NOTIFY THE ARCHITECT OF SUCH IMMEDIATELY.

5. CONTRACTOR SHALL ASSEMBLE AND INSTALL MATERIALS/ PRODUCTS IN STRICT ACCORDANCE WITH THE MANUF'S RECOMMENDATIONS AND INDUSTRIAL/ASSOCIATION STANDARDS.

6. CONTACT ARCHITECT AND COORDINATE WITH TENANT ANY ADDITIONAL SPECIFICATIONS NOT SPECIFIED HEREIN AND/OR CLARIFICATIONS REGARDING THE CONTRACT DOCUMENTS.

7. NO CURRENT SURVEY WAS PERFORMED. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY, IN WRITING, OF ANY DISCREPANCIES OR OMISSIONS TO THE TOPOGRAPHIC INFORMATION. THE CONTRACTOR(S) SHALL BE RESPONSIBLE FOR CONFIRMING THE LOCATION (HORIZONTAL/VERTICAL) OF ANY BURIED CABLES, CONDUITS, PIPES, AND STRUCTURES (STORM SEWER, SANITARY SEWER, WATER, GAS, TELEVISION, TELEPHONE, ETC.) WHICH IMPACT THE CONSTRUCTION SITE. THE CONTRACTOR(S) SHALL NOTIFY THE OWNER AND ENGINEER IN WRITING IF ANY DISCREPANCIES ARE FOUND BETWEEN THE ACTUAL CONDITIONS VERSUS THE DATA CONTAINED IN THE CONSTRUCTION PLANS. ANY COSTS INCURRED AS THE RESULT OF NOT CONFIRMING THE ACTUAL LOCATION (HORIZONTAL/VERTICAL) OF SAID CABLES, CONDUITS, PIPES, AND STRUCTURES SHALL BE BORNE BY THE CONTRACTOR. ADDITIONALLY, THE CONTRACTOR(S) SHALL NOTIFY THE OWNER AND ENGINEER IN WRITING IF ANY ERRORS OR DISCREPANCIES ARE FOUND ON THE CONSTRUCTION DOCUMENTS (PS&E), WHICH NEGATIVELY IMPACT THE PROJECT. THE ENGINEER AND OWNER SHALL BE INDEMNIFIED OF PROBLEMS AND/OR COST WHICH MAY RESULT FROM THE CONTRACTOR'S FAILURE TO NOTIFY THE ENGINEER AND OWNER.

8. IT IS STRONGLY RECOMMENDED THAT NO CONTRACTUAL AGREEMENT OF ANY KIND BE SIGNED PRIOR TO RECEIVING AND THOROUGHLY REVIEWING ALL APPROVALS FROM ALL OF THE REGULATORY AUTHORITIES HAVING JURISDICTION OVER THIS PROJECT.

SITE NOTES

1. ALL DIMENSIONS SHOWN ARE TO FACE OF CURB UNLESS NOTED OTHERWISE.

2. BASES, ANCHOR BOLTS, CONDUIT, AND WIRING FOR ALL SIGNS ARE BY THE GENERAL CONTRACTOR.

3. EXISTING MENU BOARDS AND PRE-SELL BOARD TO BE REMOVED FROM BASES AND PLACED IN TEMPORARY STORAGE. COORDINATE WITH OWNER/OPERATOR FOR TEMPORARY STORAGE LOCATION. EXISTING BASES FOR MENU BOARDS AND PRE-SELL BOARD TO BE PROTECTED FROM DAMAGE. CONDUITS TO BE CAPPED TO PREVENT MOISTURE ENTRANCE.

UTILITY NOTES

1. ALL ELECTRICAL/CONDUIT RUNS ARE SCHEMATIC ONLY. CONDUIT SIZES AND ROUTING PROVIDED BY BAILIWICK.

2. IT SHALL BE THE SIGN INSTALLER'S RESPONSIBILITY TO ENSURE THE PROPOSED SIGN LOCATION DOES NOT INTERFERE WITH ANY UTILITIES AND COMPLIES WITH ALL APPLICABLE CITY CODES. SIGN INSTALLER SHALL ALSO OBTAIN APPROVAL FROM THE APPROPRIATE ENTITIES PRIOR TO INSTALLING THE SIGN OVER ANY EXISTING EASEMENTS.

3. REFER TO THE BUILDING ELECTRICAL DRAWINGS FOR UTILITY SERVICE ENTRANCE LOCATIONS, SIZES, AND CIRCUITING.

DEMOLITION NOTES

1. CONTRACTOR IS RESPONSIBLE FOR THE REPAIR OF ANY DAMAGE TO EXISTING IMPROVEMENTS DURING CONSTRUCTION, SUCH AS, BUT NOT LIMITED TO: DRAINAGE, UTILITIES, PAVEMENT, STRIPING, CURB, ETC. REPAIRS SHALL BE EQUAL TO OR BETTER THAN EXISTING CONDITIONS.

2. ALL WORK ON THIS PLAN SHALL BE DONE IN STRICT ACCORDANCE WITH SITE WORK SPECIFICATIONS.

3. CONTRACTOR SHALL COMPLY TO THE FULLEST EXTENT WITH THE LATEST STANDARDS OF OSHA DIRECTIVES OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURE. CONTRACTOR SHALL USE SUPPORT SYSTEMS, SLOPING, BENCHING, OR OTHER MEANS OF PROTECTION, INCLUDING BUT IS NOT LIMITED TO, ACCESS AND EGRESS FROM ALL EXCAVATION AND TRENCHING. CONTRACTOR IS RESPONSIBLE TO COMPLY WITH PERFORMANCE CRITERIA FOR OSHA.

4. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING THE PUBLIC DURING CONSTRUCTION, INCLUDING BUT NOT LIMITED TO: CONSTRUCTION FENCING, BARRICADES, SIGNAGE, ETC.

5. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL UTILITIES AND NOTIFYING THE APPROPRIATE UTILITY COMPANY PRIOR TO BEGINNING CONSTRUCTION.

6. CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.

SCOPE OF WORK

REMOVE EXISTING MENU BOARDS AND CAP CONDUIT PER SITE NOTES. INSTALL NEW MENU BOARDS AND ALL REQUIRED CONDUIT AND WIRING. REFER TO COATES MENU BOARD SHOP DRAWINGS FOR INSTALLATION INSTRUCTIONS.

BUILDING CODE SUMMARY

APPLICABLE BUILDING CODE: 2012 INTERNATIONAL BUILDING CODE

APPLICABLE ELECTRICAL CODE: 2011 NATIONAL ELECTRICAL CODE

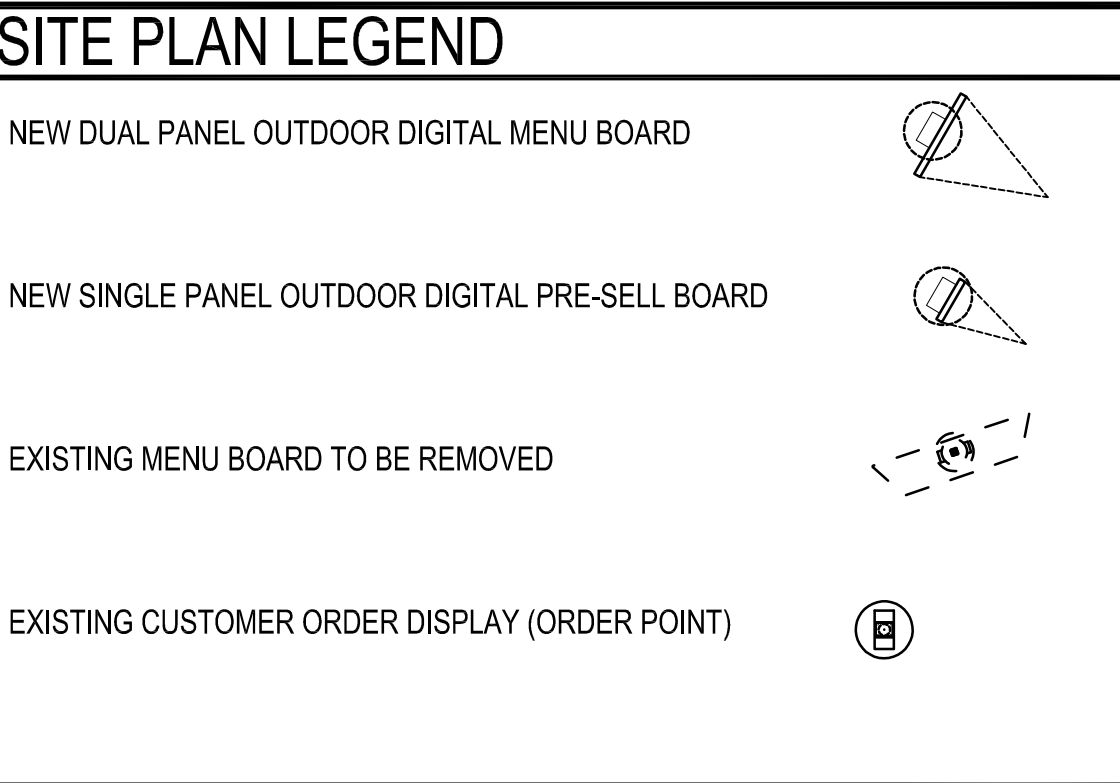
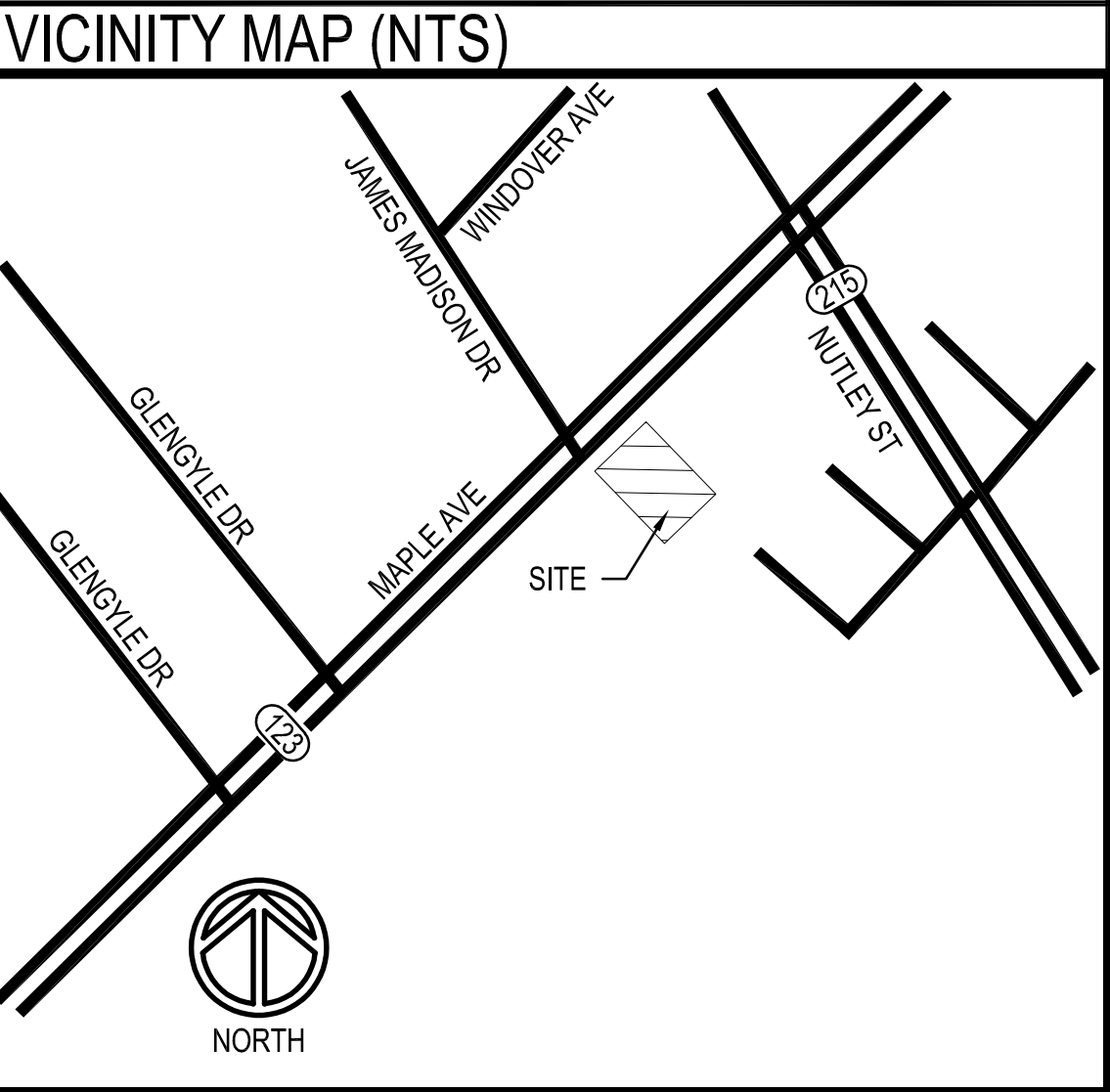
USE GROUP: M - MERCANTILE

BUILDING DEPARTMENT PHONE NO: (703)255-6341

EXISTING SIGNAGE AREA TO BE REMOVED: 53.0 SQ FT

NEW SIGNAGE AREA TO BE ADDED: 41.1 SQ FT

PROJECT ADDRESS: 544 MAPLE AVE W
VIENNA, VA 22180



SITE PLAN KEY NOTES

1 REMOVE EXISTING MENU BOARD. SEE SITE NOTE #3

2 EXISTING COD/CANOPY AND DETECTOR LOOP TO REMAIN

3 DUAL PANEL MENU BOARD. REFER TO STRUCTURAL SHEET FOR FOOTING INFORMATION.

4 SINGLE PANEL MENU BOARD. REFER TO STRUCTURAL SHEET FOR FOOTING INFORMATION.

5 NOT USED

CONDUIT PLAN KEY NOTES

1 ONE 3/4" PVC CONDUIT (4-#12, 1-#12 GRD, 1-#12 IG) FROM PANEL CP TO J-BOX

2 ONE 3/4" PVC CONDUIT (2-#12, 1-#12 GRD, 1-#12 IG) FROM J-BOX TO LANE 1 PRE-SELL BOARD

3 ONE 3/4" PVC CONDUIT (2-#12, 1-#12 GRD, 1-#12 IG) FROM J-BOX TO LANE 1 MENU BOARD

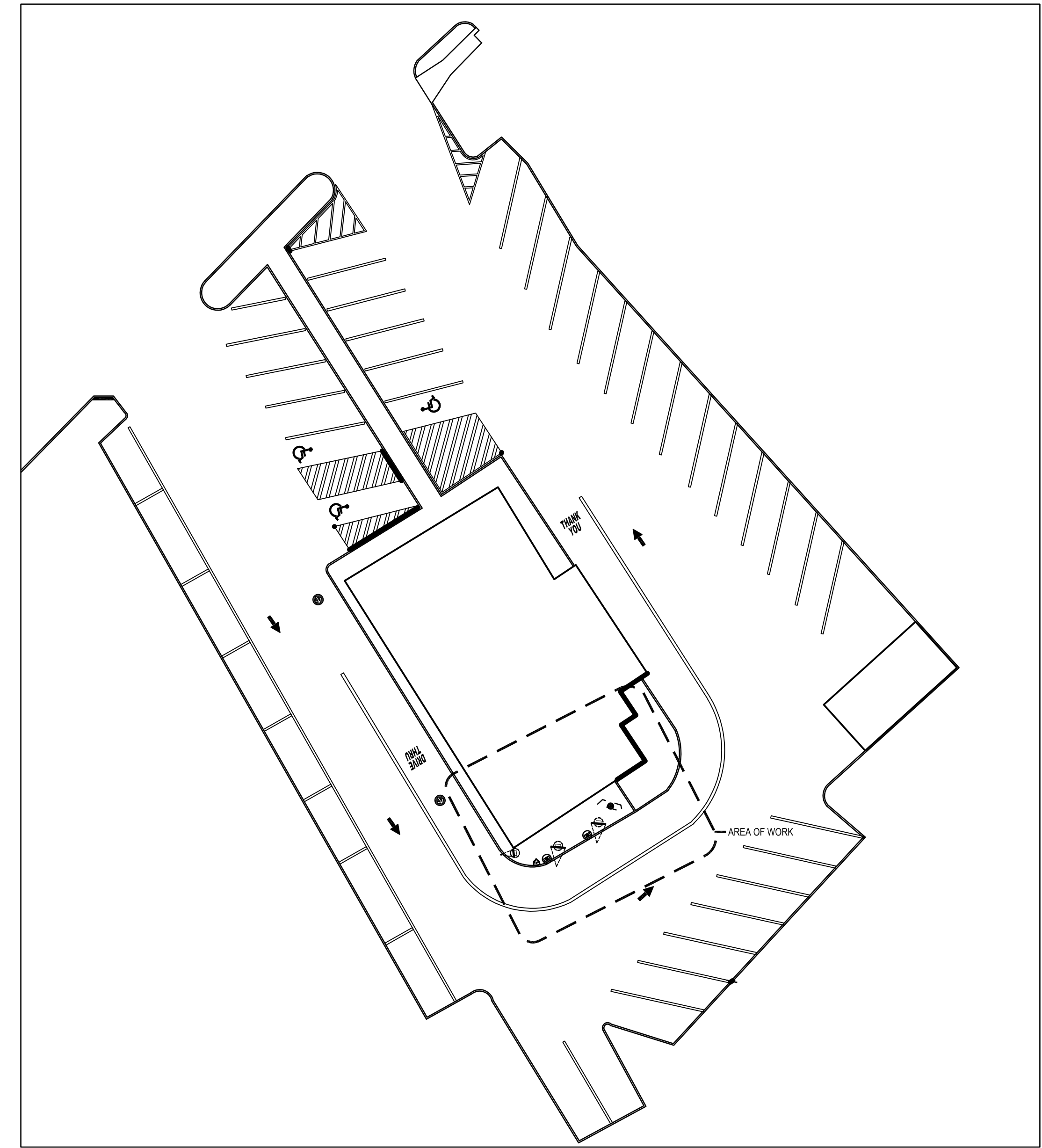
4 ONE 3/4" PVC CONDUIT (2-#12, 1-#12 GRD, 1-#12 IG) FROM J-BOX TO LANE 2 MENU BOARD

5 ONE 2" PVC CONDUIT (CAT6 DATA CABLES) FROM BUILDING TO LANE 1 MENU BOARD

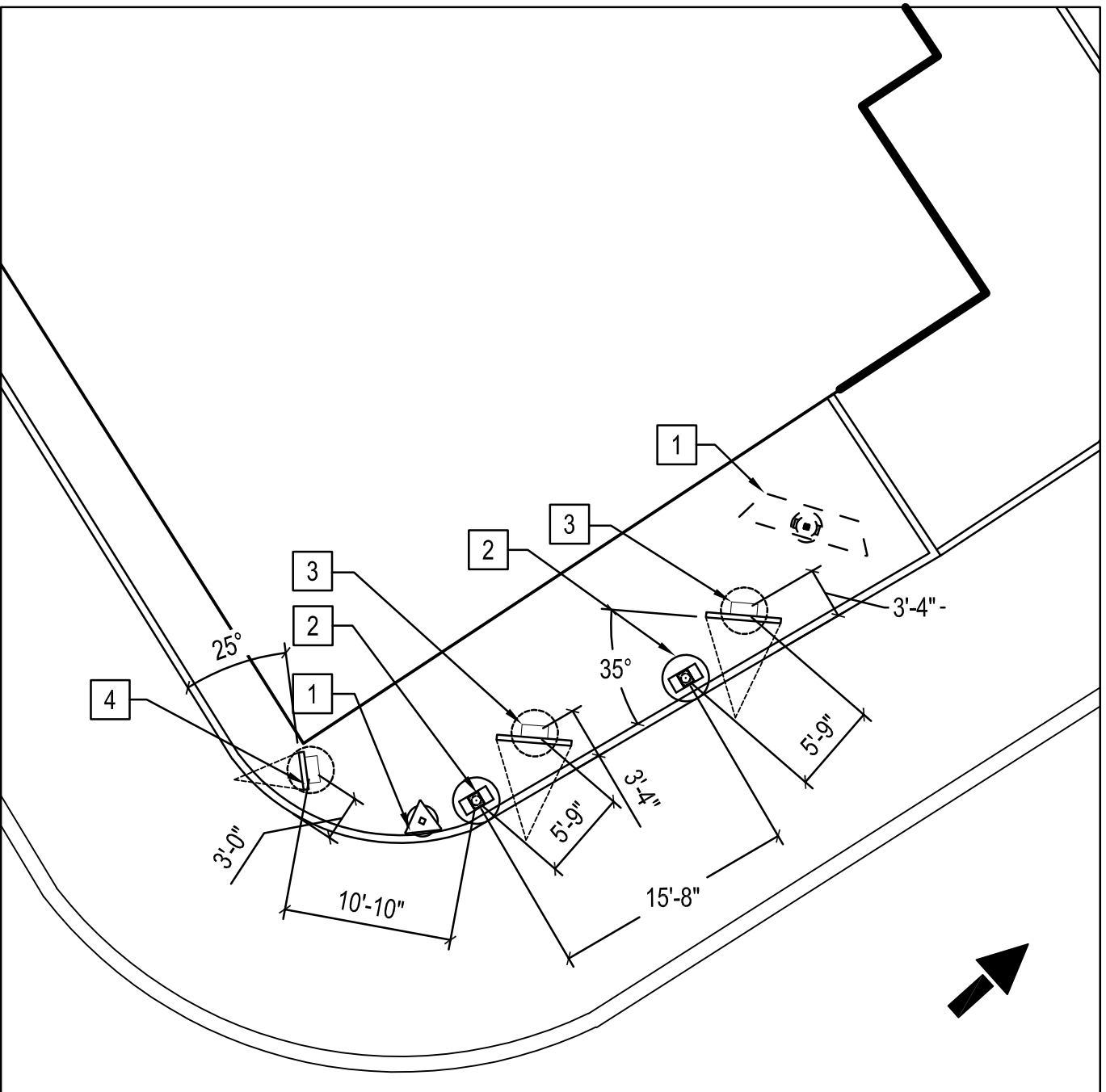
6 ONE 1" PVC CONDUIT (CAT6 DATA CABLES) FROM LANE 1 MENU BOARD TO LANE 1 PRE-SELL BOARD

7 ONE 1 1/4" PVC CONDUIT (CAT6 DATA CABLES) FROM LANE 1 MENU BOARD TO LANE 2 MENU BOARD

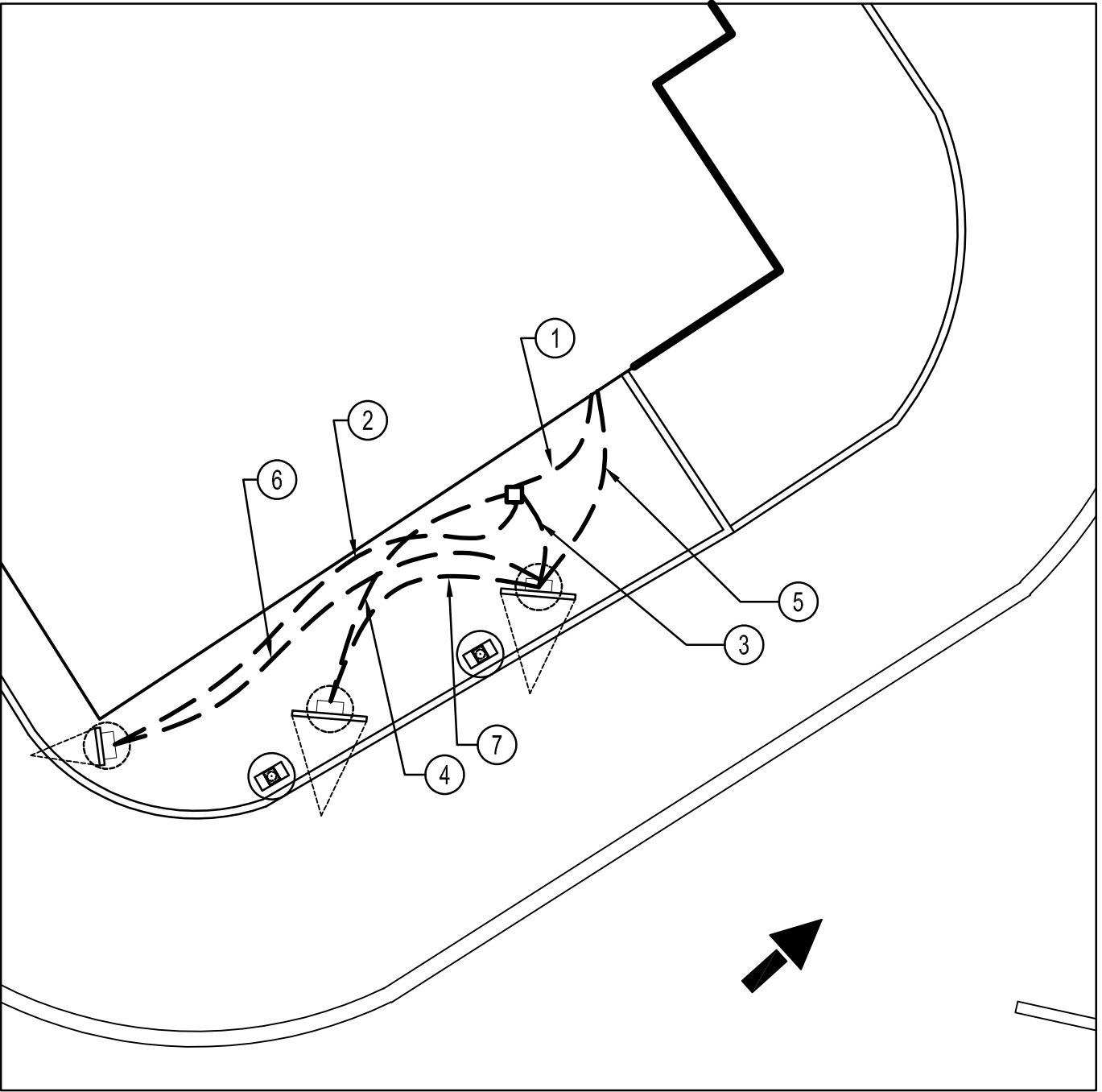
8 NOT USED



EXISTING OVERALL SITE PLAN
SCALE: 1" = 30'-0"



ENLARGED SITE PLAN
SCALE: 1" = 10'-0"



ENLARGED CONDUIT PLAN
SCALE: 1" = 10'-0"

REV	DATE	BY	DESCRIPTION

RRMM ARCHITECTS, PC
1317 Executive Blvd, Suite 200
Chesapeake, VA 23320
(757)622-2828 / fax (757)622-6883

COMMONWEALTH OF VIRGINIA
DONNA A. ELLIOTT
Lic. No. 9134
3/30/18
ARCHITECT

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NSN 986

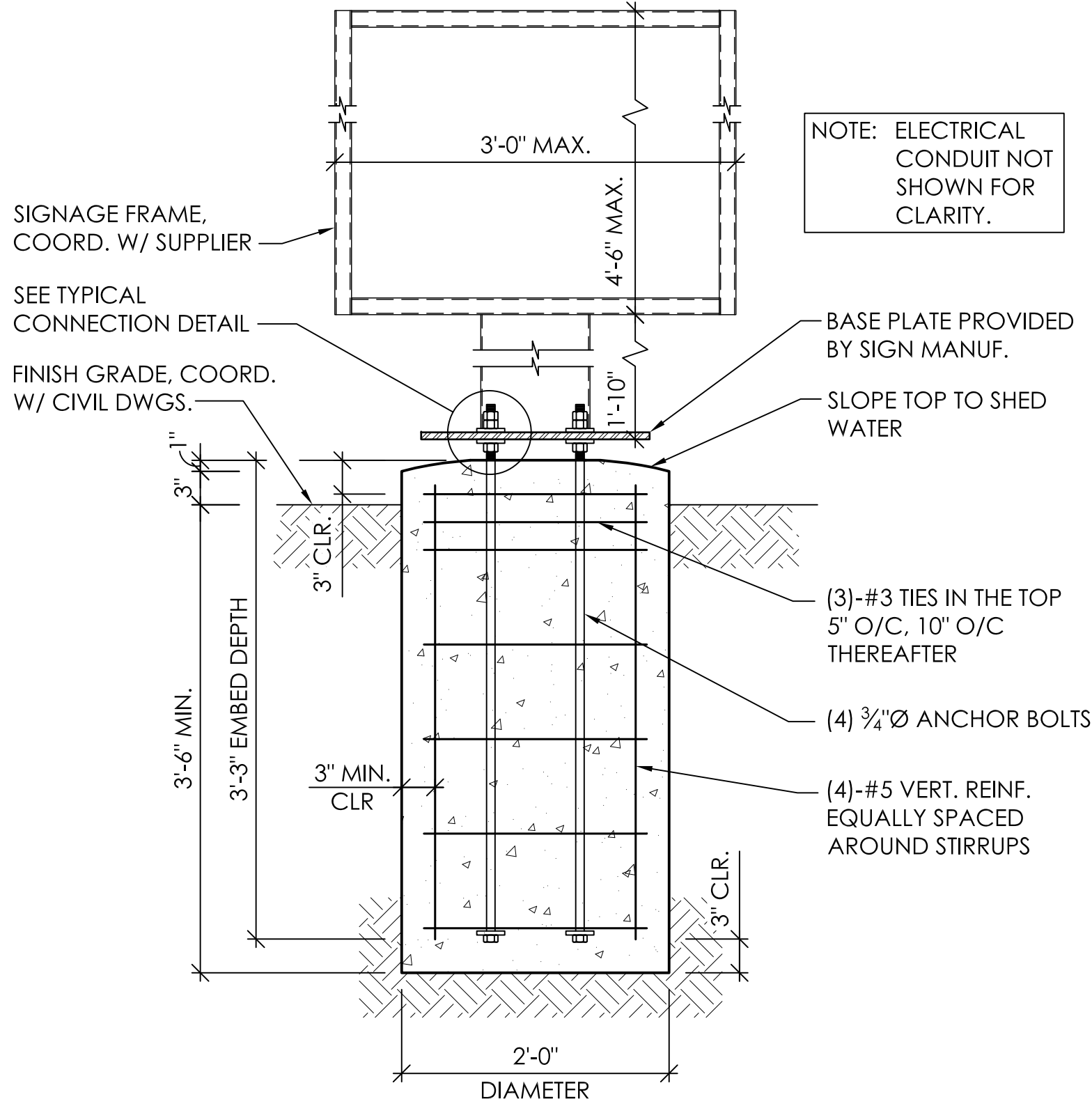
McDonald's USA, LLC
SITE ADDRESS: 544 MAPLE AVE W
VIENNA, VA 22180

DATE	3/29/18
PROJECT	18550-05
DESIGNED	TBC
DRAWN	CDT
CHECKED	DAE

SITE AND UTILITY PLAN

C1.0

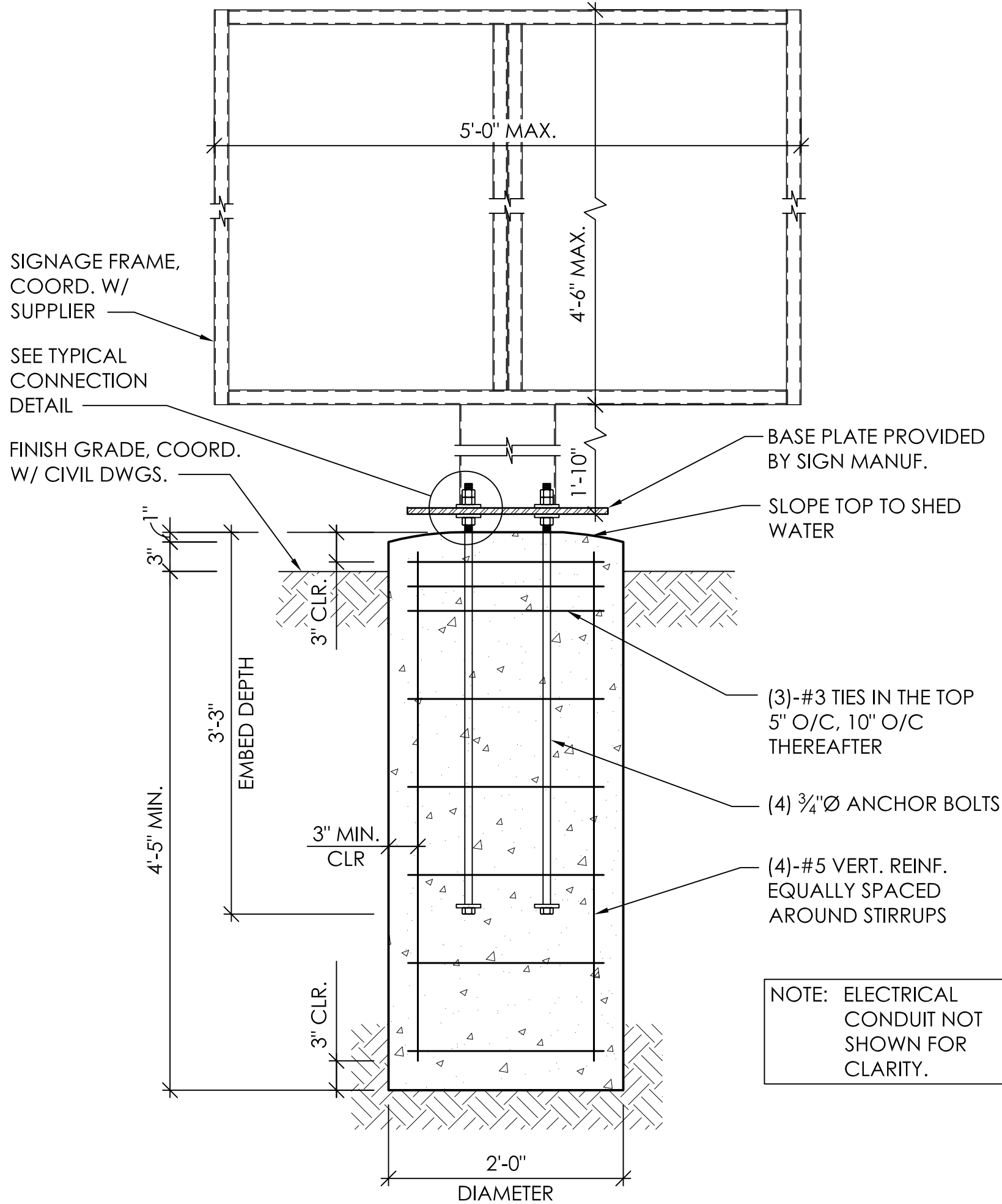
FILE NAME: Z:\2018 McDonald's\2018-14\DWGS\Struct NSN 968, Vienna, VA.dwg LAYOUT NAME: 115 PLOTTED Friday, October 05, 2018 - 9:27am



FOUNDATION ELEVATION (PRE-SELL BOARD)

1' = 1'-0"

A
S1.0 S1.0



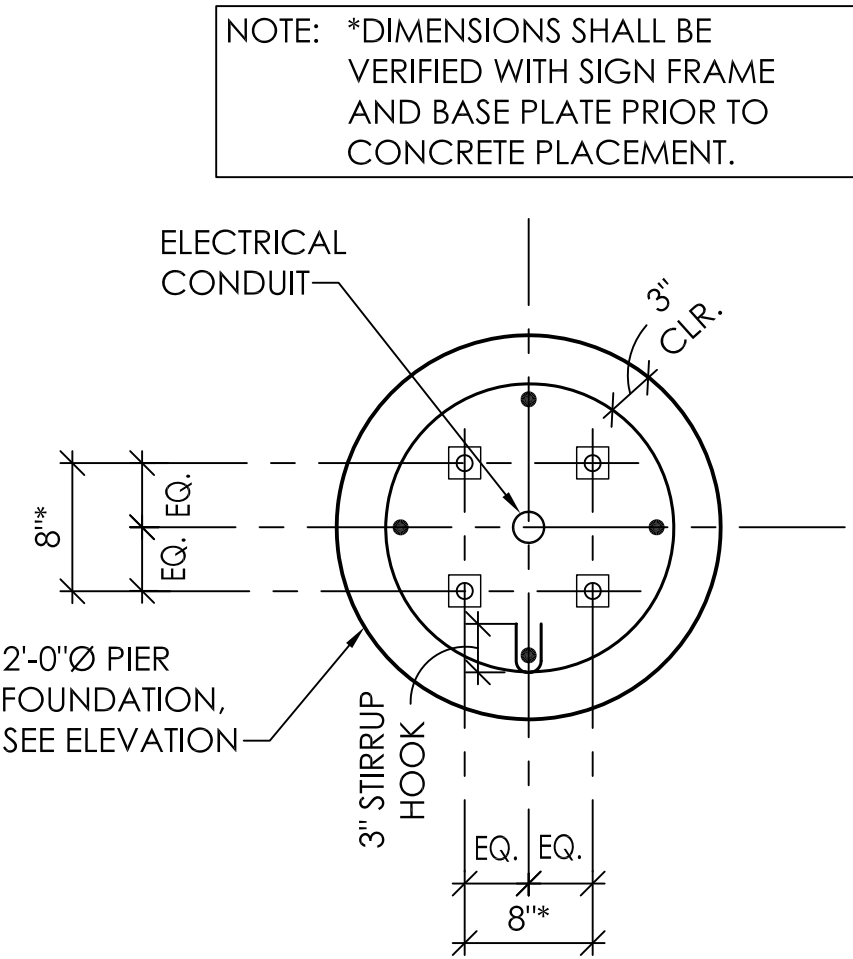
FOUNDATION ELEVATION (MENU BOARD)

1' = 1'-0"

B
S1.0 S1.0

ANCHOR BOLT, NUT AND WASHER NOTES:

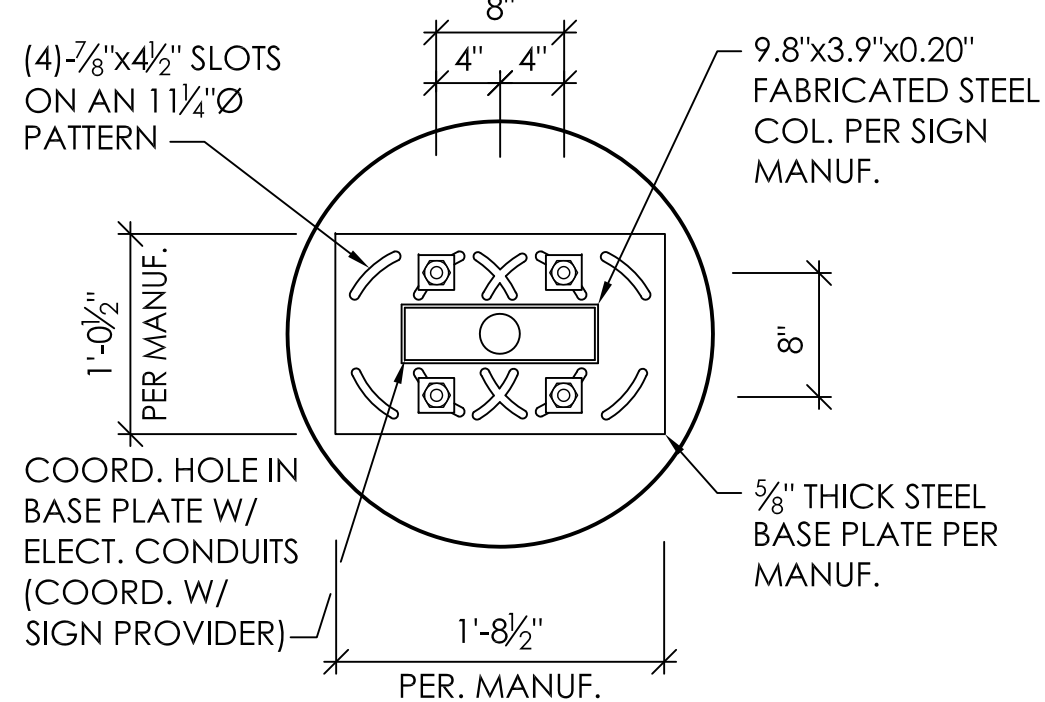
- TOP OF PIERS SHALL BE SLOPED SUCH THAT MOISTURE CANNOT ACCUMULATE ON TOP OF FOUNDATION.
- USE F1554 GRADE 36 BOLTS MINIMUM.
- USE HOT-DIP GALVANIZED BOLTS IN ACCORDANCE WITH ASTM A-123.
- ANCHOR BOLTS TO BE SET IN ACCORDANCE WITH AISC CODE OF STANDARD PRACTICE.
- ANCHOR BOLTS, NUTS AND WASHERS SHALL BE SHIPPED AS AN ASSEMBLY FROM THE SIGN/LIGHTING MANUFACTURER.
- DO NOT CUT ANCHOR BOLTS AFTER INSTALLATION OF FRAME.



TYPICAL ANCHOR BOLT PATTERN

1' = 1'-0"

NOTE: COORDINATE CONDUIT PLACEMENT INSIDE SIGN COLUMN PRIOR TO CONCRETE PLACEMENT.

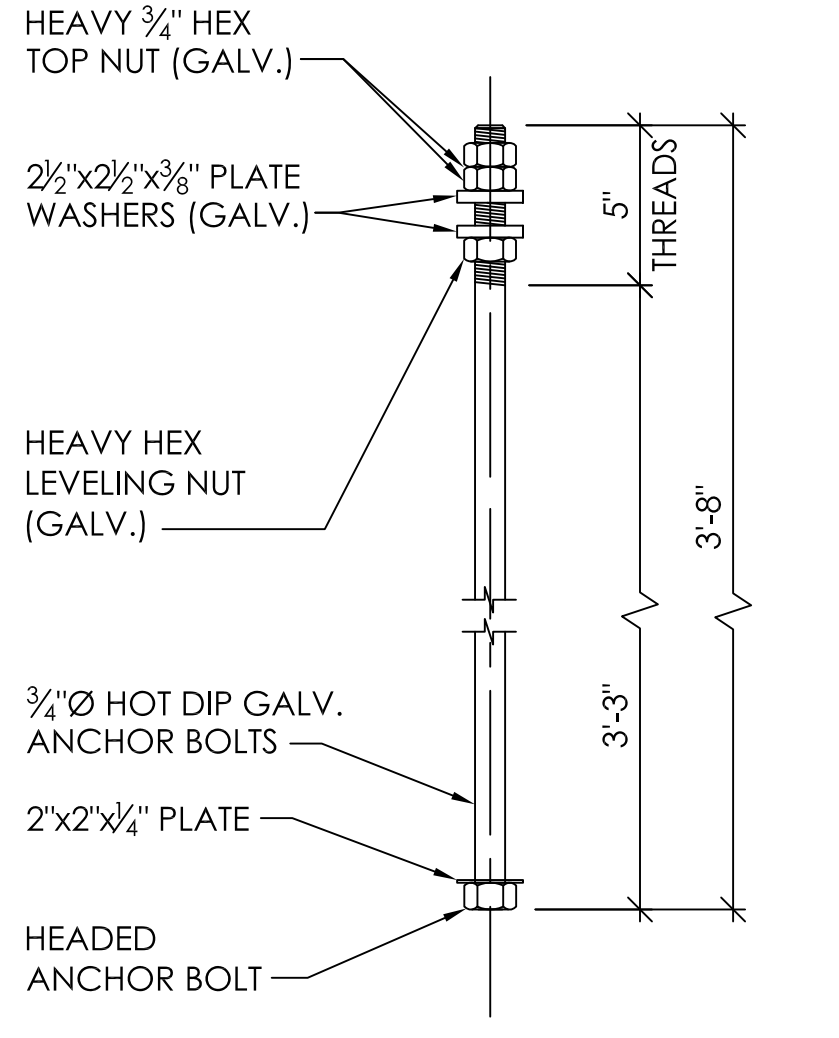


TYPICAL BASE PLATE DETAIL

NOT TO SCALE

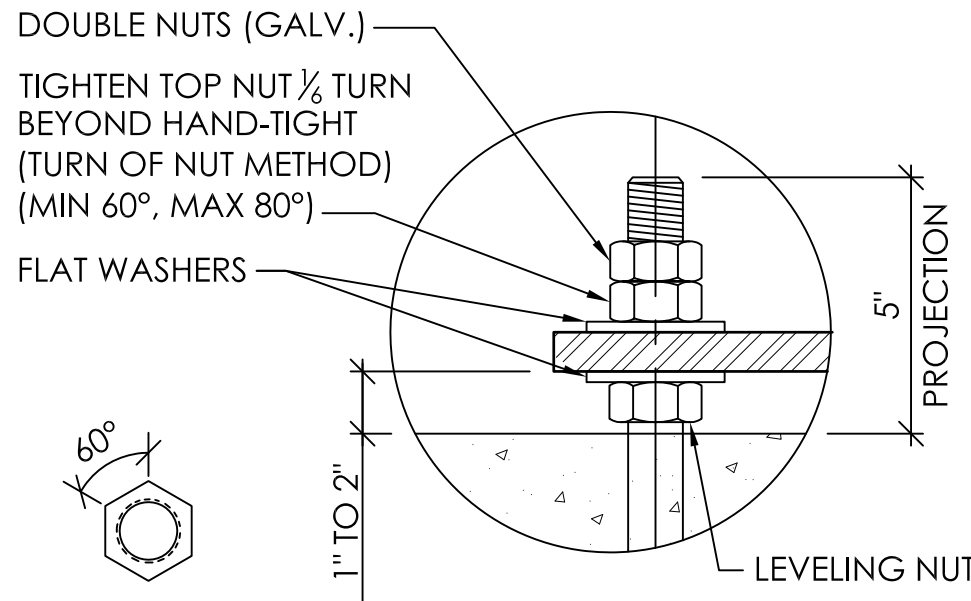
STEEL NOTES:

- REINFORCEMENT: GRADE 60.
- NUTS: A563DH OR A194-2H.
- WASHERS: ASTM F-436.
- ANCHOR BOLTS: ASTM F1554, GRADE 36 HOT-DIP GALVANIZED IN ACCORDANCE WITH ASTM A-123.
- ALL HARDWARE SHALL BE HOT-DIP GALVANIZED UNLESS OTHERWISE NOTED.
- ANCHOR RODS, NUTS, AND WASHERS SHALL BE SHIPPED AS AN ASSEMBLY FROM THE SIGN/LIGHTING MANUFACTURER. COORDINATE WITH MANUFACTURER.
- NO FIELD HEATING TO BEND STEEL SHALL BE ALLOWED.
- DO NOT CUT ANCHOR BOLTS AFTER INSTALLATION OF POLE.
- REFER TO SIGN MANUFACTURER DRAWINGS AND INSTRUCTIONS FOR ADDITIONAL INFORMATION.
- CONTRACTOR (INSTALLER) IS RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION IN REGARDS TO JOBSITE SAFETY.
- STRUCTURAL SIGN FRAME AND BASE PLATE DETAILS ARE PROVIDED BY SIGN MANUFACTURER. COORDINATE ALL ATTACHMENTS OF SIGN WITH MANUFACTURER.



ANCHOR BOLT DETAIL

NOT TO SCALE



TYPICAL CONNECTION DETAIL

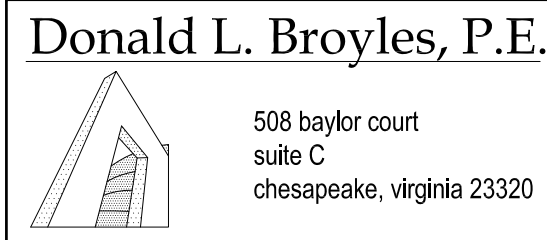
NOT TO SCALE

GENERAL NOTES:

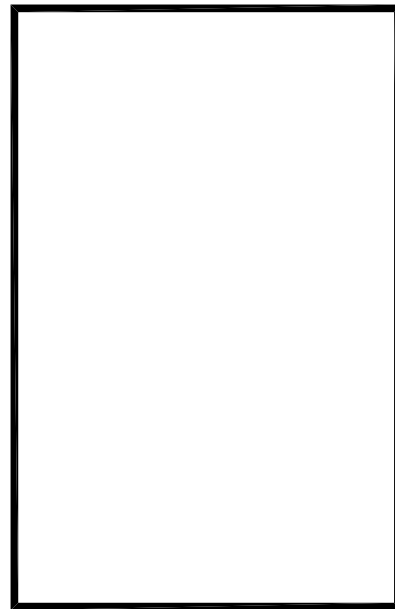
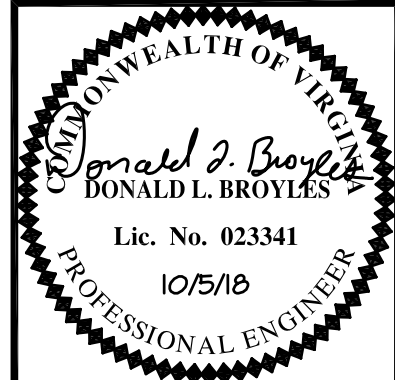
- THE FOLLOWING CODES WERE USED IN DESIGN:
2012 VIRGINIA UNIFORM STATEWIDE BUILDING CODE, IBC 2012 AND ASCE-7 (2010).
- STRUCTURAL LOADINGS:
WIND:
WIND (3 SECOND GUST)..... $V_{ULT} = 115$ MPH
 $V_{ASD} = 90$ MPH
EXPOSURE..... C
RISK CATEGORY..... II
WIND BASE SHEAR..... $V_b = 400$ LBS (PRE-SELL BOARD)
 $V_b = 700$ LBS (MENU BOARD)
SEISMIC:
SEISMIC IMPORTANCE FACTOR (I_e)..... 1.0
MAPPED SPECTRAL RESPONSE ACCELERATIONS..... $S_s = 0.120g$
 $S_1 = 0.052g$
DESIGN SPECTRAL RESPONSE ACCELERATIONS..... $S_{DS} = 0.128g$
 $S_{D1} = 0.083g$
SITE CLASS..... D
SEISMIC DESIGN CATEGORY..... 8
SEISMIC RESPONSE COEFFICIENT (C_s)..... 0.037
COMPONENT RESPONSE MODIFICATION FACTOR (R_p)..... 3.5
SEISMIC DESIGN FORCE (F_p)..... 0.01 KIPS (PRE-SELL BOARD)
0.03 KIPS (MENU BOARD)
FROST DEPTH..... 2'-0"
- ALL FOOTING EXCAVATIONS ARE TO BE CLEAR OF WATER AND FOREIGN MATTER BEFORE PLACING CONCRETE.
- PRESUMPTIVE MINIMUM ALLOWABLE LATERAL SOIL BEARING PRESSURE (S_b) OF 150 PSF. CONTRACTOR SHALL HIRE A GEOTECHNICAL ENGINEER TO CONFIRM AN ALLOWABLE BEARING PRESSURE (S_b) OF 1500 PSF AND SHALL SUBMIT GEOTECHNICAL REPORT TO ARCHITECT AND STRUCTURAL ENGINEER OF RECORD. ALLOWABLE BEARING PRESSURE SHALL BE VERIFIED PRIOR TO CONCRETE PLACEMENT.
- FOUNDATION SHALL NOT BE PLACED ON OR AT THE TOP OF A SLOPE EXCEEDING 3:1 WITHOUT EVALUATION BY A PROFESSIONAL LICENSED IN THAT STATE. DO NOT PLACE FOUNDATION IN FILL MATERIAL.
- DEPTH OF PIER FOUNDATIONS MAY BE LOWERED IF NEEDED TO OBTAIN LOCAL FROST DEPTH ELEVATIONS OR IF REQUIRED DUE TO POOR SOIL CONDITIONS. VERIFY FROST DEPTH ELEVATIONS WITH LOCAL BUILDING CODE OFFICIAL.
- ELECTRICAL CONTRACTOR TO PROVIDE INFORMATION ON CONDUIT AND ELECTRICAL REQUIREMENTS AND CONTRACTOR (INSTALLER) SHALL COORDINATE PLACEMENT TO MAINTAIN 2" CLEAR TO ANCHOR BOLTS.
- COORDINATE LOCATIONS OF SIGNS AND FOUNDATIONS WITH SITE PLAN.
- CONTRACTOR SHALL CUT EXCESS SONOTUBE FROM AROUND THE PERIMETER OF THE PIER FOUNDATION AFTER PLACEMENT OF BOARD (PRIOR TO LEAVING SITE).
- CONTRACTOR SHALL NOT DEVIATE FROM STRUCTURAL DRAWING WITHOUT PRIOR WRITTEN CONSENT AND INSTRUCTIONS REGARDING ANY CHANGE TO THE CONTRACT DRAWINGS. ANY DEVIATION FROM THIS DESIGN OR FROM ANY PART OF THIS DRAWING WITHOUT PRIOR WRITTEN CONSENT OF THIS ENGINEER SHALL VOID ALL LIABILITY ASSOCIATED WITH THIS WORK.
- SPECIAL INSPECTION IS NOT REQUIRED FOR THE SIGN FOUNDATIONS

CONCRETE NOTES:

- ALL FOOTINGS SHALL BEAR ON FIRM UNDISTURBED RESIDUAL SOIL AND/OR ENGINEERED EARTH FILL COMPACTED TO 95% OF ITS MAXIMUM DRY DENSITY AS PER ASTM D698 (STANDARD PROCTOR) UNLESS NOTED OTHERWISE. A LICENSED GEOTECHNICAL ENGINEER SHALL CONFIRM SOIL CAPACITY PRIOR TO CONCRETE PLACEMENT.
- ALL PIERS TO EXTEND TO FROST DEPTH AS DETERMINED BY LOCAL JURISDICTION. VERIFY WITH LOCAL BUILDING OFFICIAL.
- TOP OF PIERS SHALL BE SLOPED SUCH THAT MOISTURE CANNOT ACCUMULATE.
- ALL CONCRETE CONSTRUCTION SHALL BE IN ACCORDANCE WITH ACI 301 "STRUCTURAL CONCRETE FOR BUILDINGS" AND ACI 318 "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE."
- ALL CAST-IN-PLACE CONCRETE SHALL ATTAIN AN ULTIMATE COMPRESSIVE STRENGTH (f_c) OF 3000 PSI AT AN AGE OF 28 DAYS UNLESS OTHERWISE NOTED.
- ALL REINFORCING STEEL SHALL BE ASTM A 615, GRADE 60 DEFORMED BARS, UNLESS OTHERWISE NOTED.
- CONCRETE PROTECTION FOR REINFORCING AS WELL AS PLACING AND FABRICATION OF REINFORCING SHALL BE IN ACCORDANCE WITH THE "THE AMERICAN CONCRETE INSTITUTE BUILDING CODE REQUIREMENTS" (ACI 318).
- ALL CAST-IN-PLACE CONCRETE SHALL BE AIR-ENTRAINED TO 6% ($\pm 1\%$). WATER/CEMENT RATIO SHALL NOT EXCEED 0.48.
- THE MINIMUM CONCRETE COVER FOR THE PROTECTION OF REINFORCEMENT SHALL BE AS NOTED.
- BEFORE PLACING CONCRETE, ALL EMBEDDED ITEMS SHALL BE PROPERLY PLACED, ACCURATELY POSITIONED, AND MAINTAINED SECURELY IN PLACE. NO "WET SETTING" IS ALLOWED.
- AGGREGATES IN NORMAL WEIGHT CONCRETE SHALL CONFORM TO ASTM C-33 (HARDROCK).
- PORTLAND CEMENT SHALL BE TYPE II FOR ALL CONCRETE CONFORMING TO ASTM C150, LOW ALKALI.
- FLY ASH OR OTHER POZZOLANS CONFORMING TO ASTM C618 CLASS N OR F MAY BE USED AS A PARTIAL SUBSTITUTION FOR PORTLAND CEMENT UP TO A MAXIMUM OF 25% TOTAL CEMENTITIOUS MATERIALS BE WEIGHT IF THE MIX DESIGN IS PROPORTIONED PER ACI318, SECTION 5.3. CONTRACTOR SHALL FORWARD DESIGN MIX TO ARCHITECT AND STRUCTURAL ENGINEER OF RECORD.
- CONCRETE MIXING OPERATIONS, ETC. SHALL CONFORM TO ASTM C94.
- DO NOT USE ANY CONCRETE OR GROUT CONTAINING CHLORIDES. WATER USED IN MIX SHALL BE CLEAN AND POTABLE.



REV	DATE	BY	DESCRIPTION



DATE	10/05/18
PROJECT	18550-95
DESIGNED	RSW
DRAWN	WPH
CHECKED	DLB

PRE-SELL / MENU
BOARD
FOUNDATIONS

S1.0

1" = 1'-0" 0 3' 6' 12'