

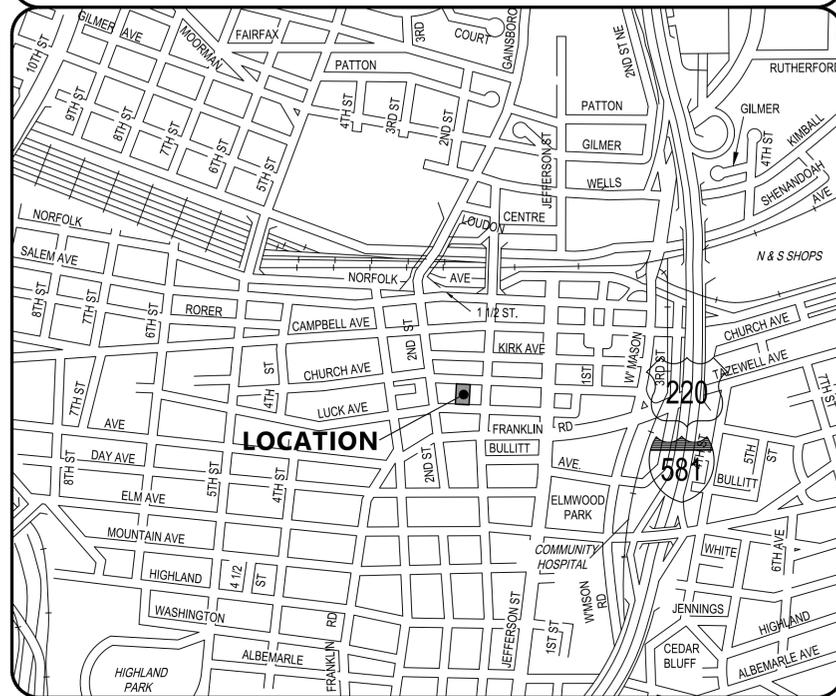


LUCK AVENUE COMPACTOR #5

CITY OF ROANOKE, VIRGINIA

SHEET INDEX	
SHEET #	SHEET TITLE
C0-01	COVER SHEET
C2-01	SITE LAYOUT PLAN
C2-02	ENLARGED SITE LAYOUT PLAN
C2-03	ELEVATIONS & SITE DETAILS
C2-04	SITE DETAILS
E-1	ELECTRICAL LEGEND, ABBREVIATIONS, NOTES AND SPECIFICATIONS
E-2	ELECTRICAL PLAN, PANEL SCHEDULE AND POWER RISER DIAGRAM

PROJECT LOCATION MAP



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PROJECT NAME

LUCK AVENUE
COMPACTOR #5
CITY OF ROANOKE

CITY ENGINEERING PLAN NUMBER: _____

LEGEND

	TREE		UNDERGROUND TELEPHONE
	GAS LINE		PROPERTY LINE
	UNDERGROUND POWER		SANITARY MANHOLE
	UNDERGROUND CABLE		UTILITY POLE
	WATER LINE		UTILITY POLE
	STORM PIPE		GUY WIRE
	SANITARY SEWER		FENCE
	LEVEL THREE COMM.		EDGE OF PAVEMENT
	UNDERGROUND TELEPHONE		EXISTING SURVEY NAIL
	NEW CONTOUR LINE		GAS VALVE
	CONTOUR LINE		SMALL WATER METER/VALVE
	FLOODPLAIN BOUNDARY		WATERLINE MANHOLE
	SANITARY MANHOLE		TELEPHONE MANHOLE
	STORM MANHOLE		CLEANOUT
	ELECTRIC MANHOLE		
	FIRE HYDRANT		

ABBREVIATIONS

CL = CENTERLINE	PVC = POLYVINYL CHLORIDE
ELEV = ELEVATION	HDPE = HIGH DENSITY POLYETHYLENE
EL = ELEVATION	BLDG = BUILDING
FG = FINISHED GRADE	CRNR = CORNER
EG = EXISTING GROUND	PROP = PROPOSED
RCP = REINFORCED CONCRETE PIPE	CO = CLEANOUT
CI = CAST IRON	SCO = STORM CLEANOUT
CMP = CORRUGATED METAL PIPE	SSCO = SANITARY SEWER CLEANOUT
INV IN = INVERT IN	WSE = WATER SURFACE ELEVATION
INV OUT = INVERT OUT	HP = HIGH POINT
FFE = FINISHED FLOOR ELEVATION	TYP = TYPICAL
PUE = PUBLIC UTILITY EASEMENT	MH = MANHOLE
CONC = CONCRETE	SD = STORM DRAIN
MIN = MINIMUM	MAX = MAXIMUM
CB = CATCH BASIN	EXST = EXISTING
DI = DROP INLET	EXIST = EXISTING
DIA = DIAMETER	PVMT = PAVEMENT
ID = INNER DIAMETER	LF = LINEAR FEET
W/ = WITH	APPROX = APPROXIMATELY
W/O = WITHOUT	SDMH = STORM DRAIN MANHOLE
RR = RAILROAD	SSMH = SANITARY SEWER MANHOLE
ROW = RIGHT OF WAY	LW = LIMIT OF WORK
Ø = DIAMETER	MECH = MECHANICAL
WVA = WESTERN VIRGINIA WATER AUTHORITY	N = NOTHING
VDOT = VIRGINIA DEPARTMENT OF TRANSPORTATION	E = EASTING
DCR = VIRGINIA DEPARTMENT OF CONSERVATION AND RECREATION	TWC = TOP OF CURB ELEVATION
TW = TOP OF WALL ELEVATION	BOC = BOTTOM OF CURB ELEVATION
BW = BOTTOM OF WALL ELEVATION	FH = FIRE HYDRANT
HT = HEIGHT	PSI = POUNDS PER SQUARE INCH
RD = ROOF DRAIN	PSF = POUNDS PER SQUARE FOOT
TK = THICK	GPM = GALLONS PER MINUTE
L = LENGTH	FT = FOOT, FEET
NO. = NUMBER	IN = INCH, INCHES
R = RADIUS	OC = ON CENTER
AC. = ACRE(S)	SAN = SANITARY SEWER
SF = SQUARE FOOT (FEET)	N = NOTHING
PERF = PERFORATED	E = EASTING
HORIZ = HORIZONTAL	WWF = WELDED WIRE FABRIC
VERT = VERTICAL	RHS = RAINWATER HARVESTING SYSTEM
MDD = MAXIMUM DRY DENSITY	EXP JT = EXPANSION JOINT
SWM = STORM WATER MANAGEMENT	CC JT = CRACK CONTROL JOINT
OAE = OR APPROVED EQUAL	CONN = CONNECTION
NIC = NOT IN CONTRACT	ENT = ENTRANCE
H.E.S. = HIGH EARLY STRENGTH	KSI = KIPS PER SQUARE INCH
	REQD = REQUIRED

APPROVED FOR CONSTRUCTION

ROANOKE CITY ENGINEER

DATE

DIRECTOR OF PUBLIC WORKS

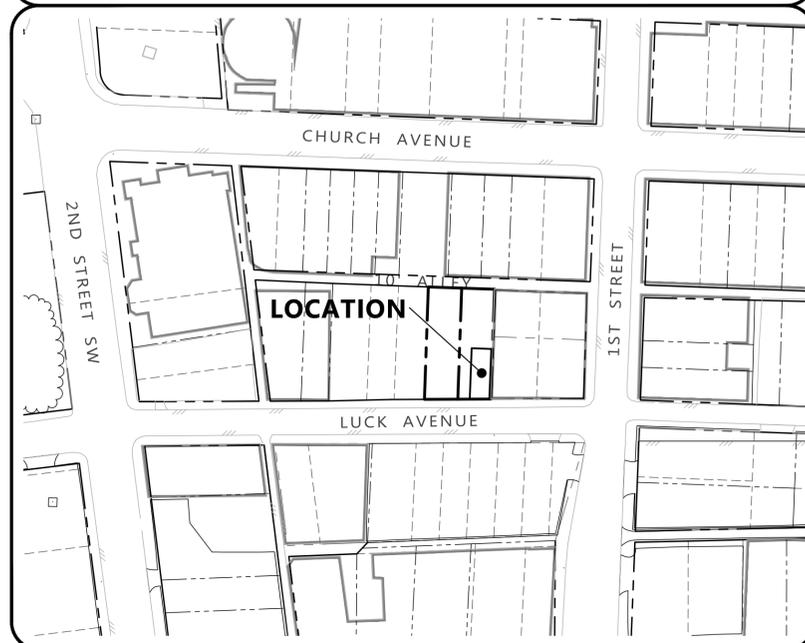
DATE

ASSISTANT CITY MANAGER - OPERATIONS

DATE

SHEET NUMBER: 1 OF 7

VICINITY MAP



GAY AND NEEL, INC.
ENGINEERING & LANDSCAPE ARCHITECTURE & SURVEYING

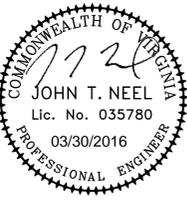


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LUCK AVENUE
COMPACTOR #5

CITY OF ROANOKE, VIRGINIA



REVISIONS

NO.	COMMENTS	DATE

PROJECT TEAM

PIC	JOHN T. NEEL, PE
PM	MATTHEW P. TOMLINSON, PE
DESIGN	MBL

ISSUE DATE

03/30/2016

GNI JOB NO.

2642.0

SHEET TITLE

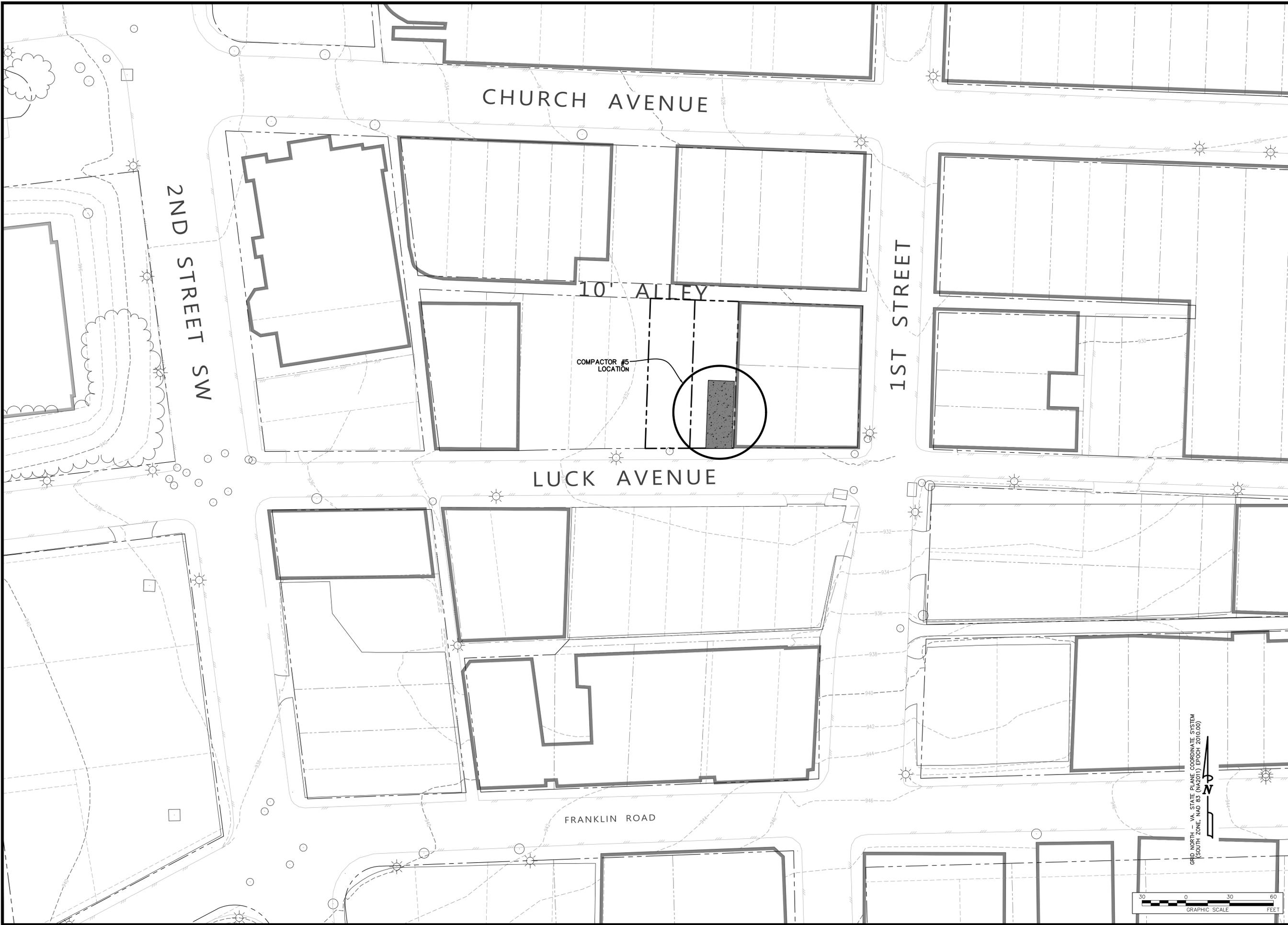
COVER SHEET

SHEET NUMBER

C0-01

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 SITE LAYOUT PLAN - 06/07/2016 11:58:45 AM, Mister, AutoCAD PDF (General Documentation) pgs. 1:1



GAY AND NEEL, INC.
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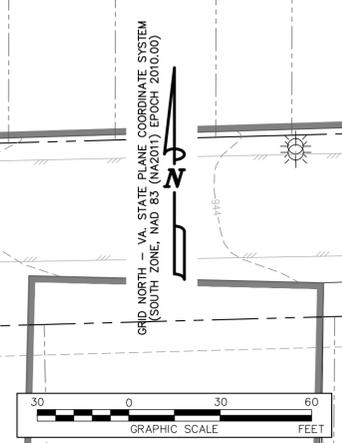
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GNI JOB NO.	
2642.0	
SHEET TITLE	
SITE LAYOUT PLAN	
SHEET NUMBER	
C2-01	





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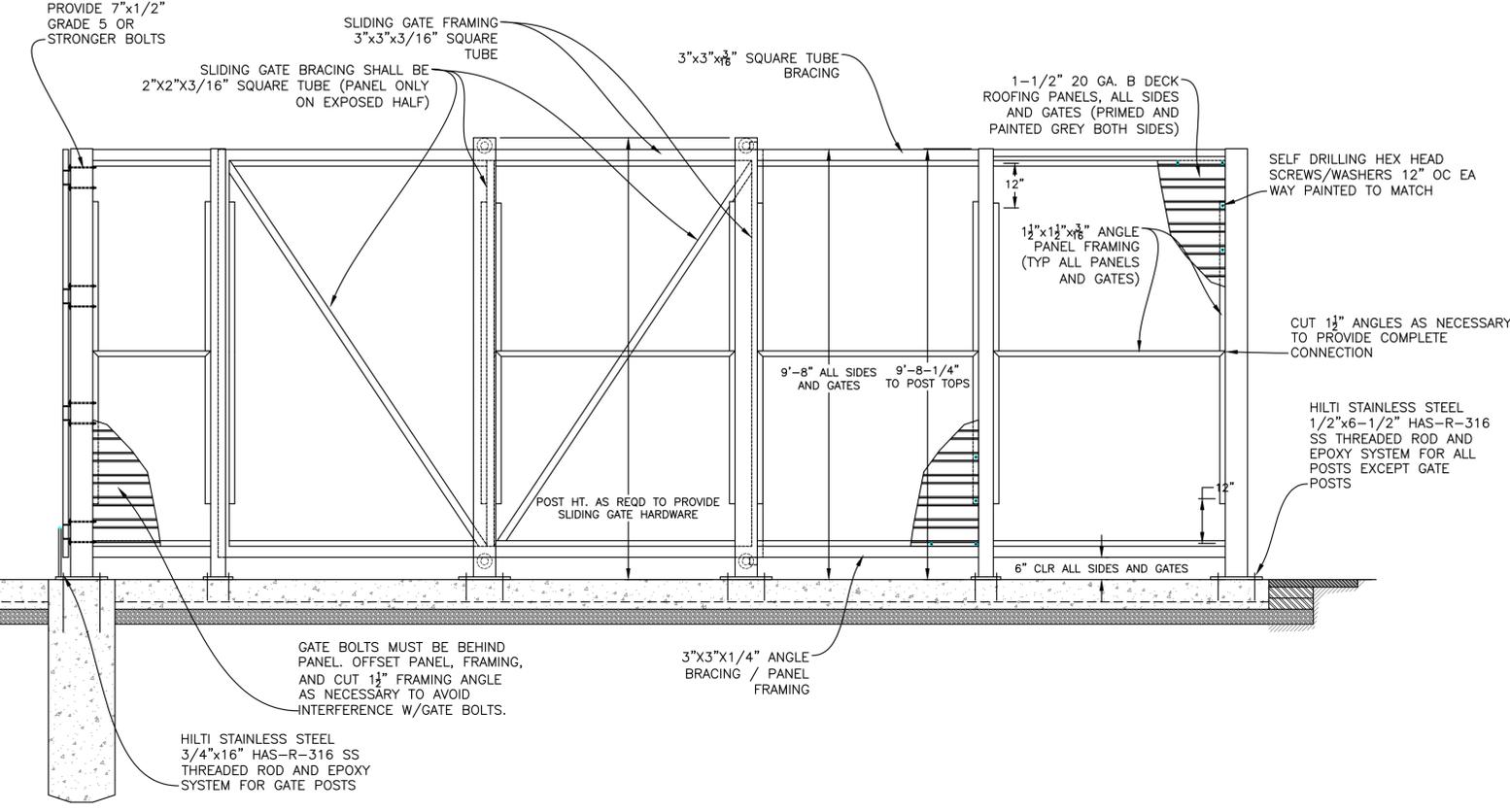
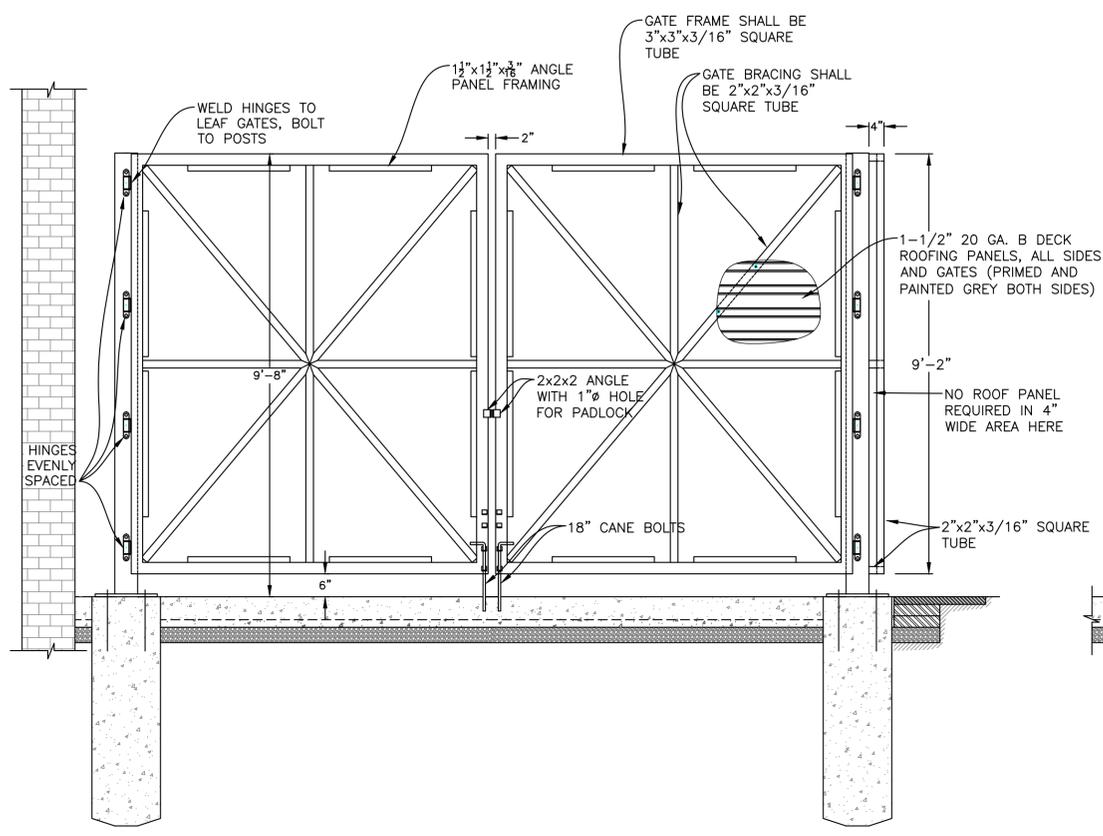
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SHEET TITLE

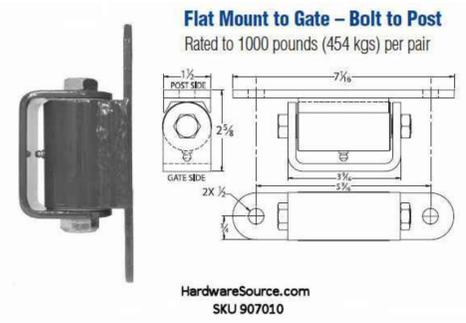
ELEVATIONS & SITE DETAILS

SHEET NUMBER

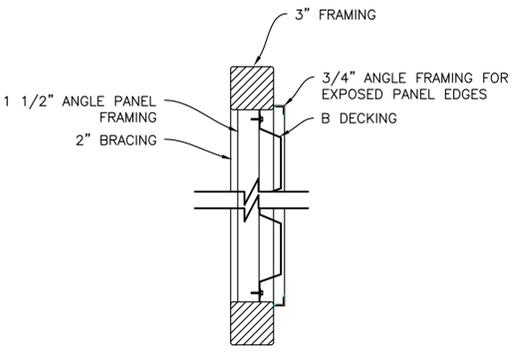
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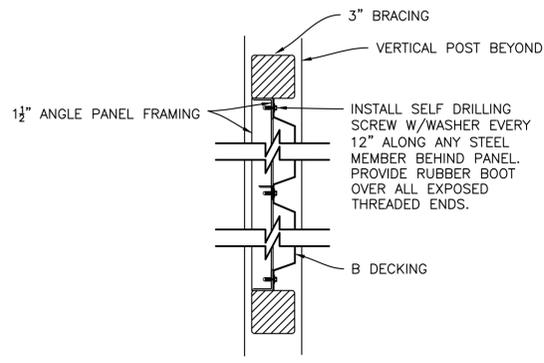
- NOTES:**
- THERE SHALL BE NO EXPOSED EDGES OF B DECK ROOFING PANELS UPON COMPLETION.
 - GRIND ALL SHARP EDGES AND CORNERS SMOOTH.
 - PAINT SPECIFICATION:**
 SHERWIN WILLIAMS INDUSTRIAL/HIGH PERFORMANCE EPOXY/URETHANE COATING SYSTEM
 PRIMER: MACROPOXY 646 EPOXY
 INTERMEDIATE (FIRST COAT): HI-SOLIDS POLYURETHANE
 TOPCOAT (SECOND COAT): HI-SOLIDS POLYURETHANE
 FRAME COLOR: BLACK
 PANEL COLOR: MATCH ADJACENT BUILDING FRONT FACADE
 SURFACE PREPARATION:
 ALL WELDS SHALL BE CLEANED, ALL SHARP EDGES GROUND DOWN, AND ALL SURFACES SHALL BE CLEANED OF RUST, MILL SCALE, DIRT, DUST, GREASE, AND ALL OTHER VISIBLE CONTAMINANTS. ALL SURFACES SHALL BE WIPED DOWN WITH CLEAN SOLVENT-SOAKED RAGS JUST PRIOR TO APPLICATION OF PAINT.
 - ALL TUBE AND ANGLE SHALL BE A36 (MIN. 36 KSI YIELD) MILD STEEL.
 - ALL PROVISIONS OF THE AMERICAN WELDING SOCIETY STRUCTURAL WELDING CODE - STEEL, AWS D1.1, SHALL APPLY TO THIS PROJECT. ALL ELECTRODES SHALL BE A MIN. E70XX.
 - ALL CORNER POSTS SHALL BE 6x6x5/16" TUBE; ALL OTHER POSTS SHALL BE 4x4x1/4" TUBE, UNLESS NOTED OTHERWISE.
 - ALL POSTS SHALL BE SET PLUMB. ALL PANELS AND HORIZONTAL FRAMING SHALL BE SET LEVEL. THE SITE IS NOT LEVEL, SO THE PANELS MAY BE STAGGERED.



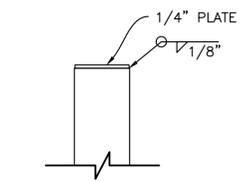
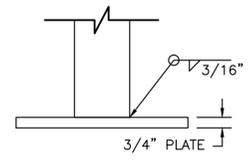
LEAF GATE HINGE DETAIL
 NTS

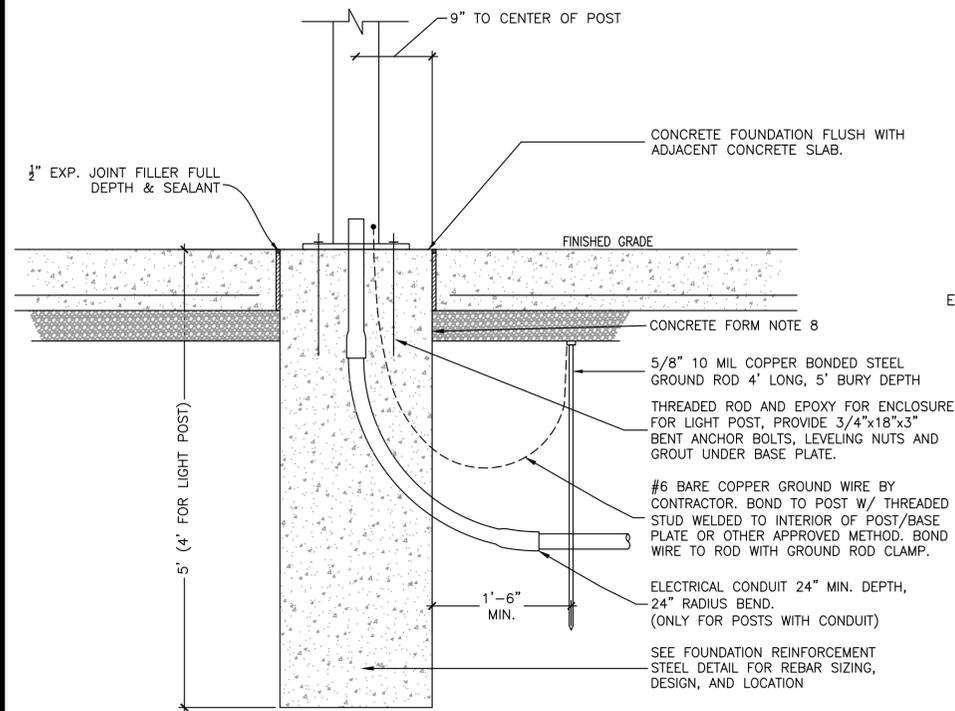


TYPICAL GATE SECTION
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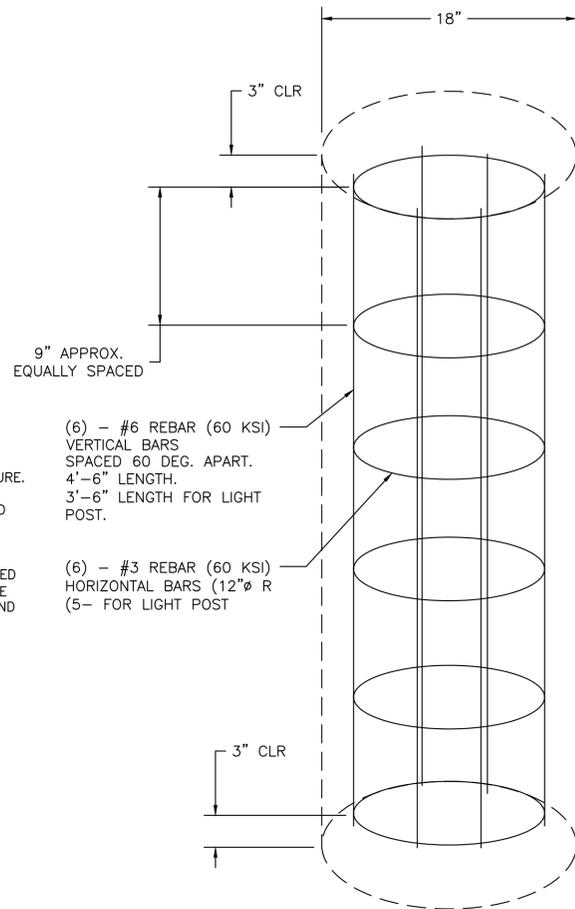


DECKING ATTACHMENT SECTION
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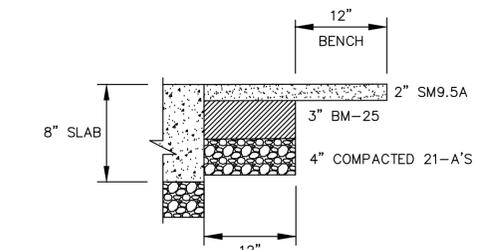




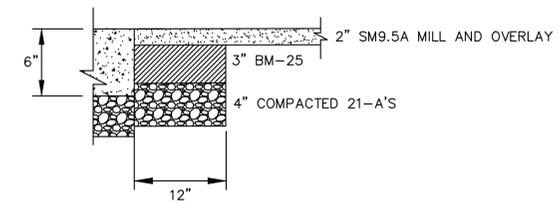
GATE/LIGHT POST DETAIL
NTS



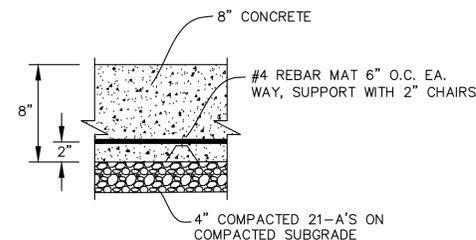
FOUNDATION REINFORCEMENT STEEL DETAIL
NTS



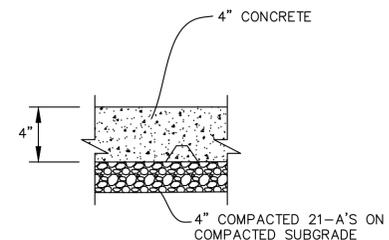
PARKING LOT ASPHALT RESTORATION DETAIL
NTS



ENTRANCE ASPHALT RESTORATION DETAIL
NTS



REINFORCED CONCRETE SECTION
NTS

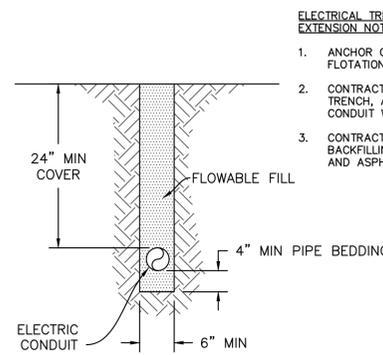


SIDEWALK CONCRETE SECTION
NTS



JOINT DETAILS
NTS

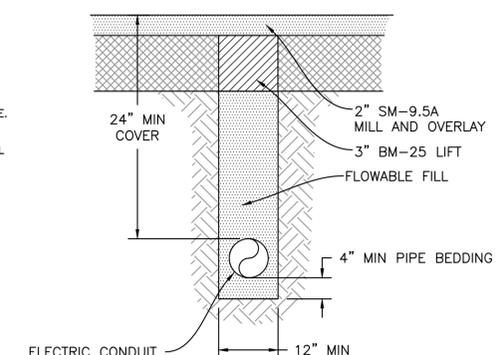
** FIBERBOARD SHALL BE TRIMMED TO ALLOW FOR SEALANT. SEE PROJECT MANUAL SPECIFICATIONS FOR THE REQUIRED USE OF SEALANT.



ELECTRICAL TRENCH
NTS

ELECTRICAL TRENCH / SERVICE EXTENSION NOTES:

1. ANCHOR CONDUITS TO PREVENT FLOTATION.
2. CONTRACTOR SHALL EXCAVATE TRENCH, AND INSTALL ELECTRIC CONDUIT WITH NYLON PULL ROPE.
3. CONTRACTOR RESPONSIBLE FOR BACKFILLING WITH FLOWABLE FILL AND ASPHALT RESTORATION.



ELECTRICAL SERVICE EXTENSION DUCT
NTS

NOTES:

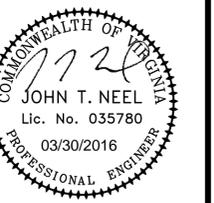
1. GATE POST SHALL NOT BE INSTALLED UNTIL CONCRETE HAS CURED A MINIMUM OF THREE DAYS.
2. ALL WORK TO BE IN ACCORDANCE WITH THE LATEST REVISION OF ACI 318, BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE AS WELL AS ANY OTHER APPROPRIATE CODES OR REGULATIONS. CONCRETE FOUNDATION 3500 PSI MINIMUM AT 28 DAYS
3. EACH FOUNDATION SHALL BE POURED IN A SINGLE CONTINUOUS POUR.
4. ALL LOOSE MATERIAL SHALL BE REMOVED FROM THE HOLE PRIOR TO CONCRETE PLACEMENT. THE SIDES OF THE EXCAVATION SHALL BE ROUGH AND FREE OF LOOSE MATERIAL.
5. CONCRETE SHALL BE PLACED IN A MANNER THAT PREVENTS SEGREGATION OF THE CONCRETE AND/OR INFILTRATION OF WATER OR SOIL. FREE FALL CONCRETE IS ALLOWED PROVIDED THE CONCRETE DOES NOT HIT THE SIDES OF THE EXCAVATION OR THE REBAR. UNDER NO CIRCUMSTANCE SHALL CONCRETE FALL THROUGH WATER.
6. GROUND RODS ARE TO BE DRIVEN TO THE DEPTH SHOWN UNLESS ROCK OR OTHER OBSTRUCTIONS ARE ENCOUNTERED.
7. FORM FOR CONCRETE FOUNDATION SHALL BE MADE FROM SONOTUBE OR SIMILAR MATERIAL. FORM SHALL EXTEND MINIMUM OF 12" BELOW GRADE.
8. REFER TO ANCHOR BOLT MANUFACTURER'S INSTRUCTIONS FOR PLACEMENT OF THREADED ROD / EPOXY ANCHOR BOLTS.
9. THE CONTRACTOR SHALL INSTALL AND LEAVE NYLON PULL ROPES IN ALL CONDUITS / POSTS.
10. FORM HORIZONTAL REBAR IN RING OF 12" DIAMETER FOR 18" DIAMETER FOUNDATION.
11. HORIZONTAL TIES SHALL BE TIED TO VERTICAL REINFORCEMENT WITH STANDARD REINFORCEMENT TIE WIRE.
12. CONTRACTOR SHALL USE MANUFACTURER (LITHONIA) ANCHOR BOLT TEMPLATE FOR LIGHT POST FOUNDATION.

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