PROJECT NO. SHEET NO. T1.00

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FIRE ALARM PLAN

TOTAL SHEETS

VERTICAL DATUM BASIS

67

ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

STANDARD SPECIFICATIONS

THE 2016 EDITION OF THE LOUISIANA DOTD STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES, AS AMENDED BY THE PROJECT SPECIFICATIONS, SHALL GOVERN.

TYPE OF CONSTRUCTION

MECHANICAL, ELECTRICAL, PLUMBING, STRUCTURAL. DEMOLITION, UTILITY, CONCRETE WALKS/DRIVES

PARKING LOT AND SIGNAGE

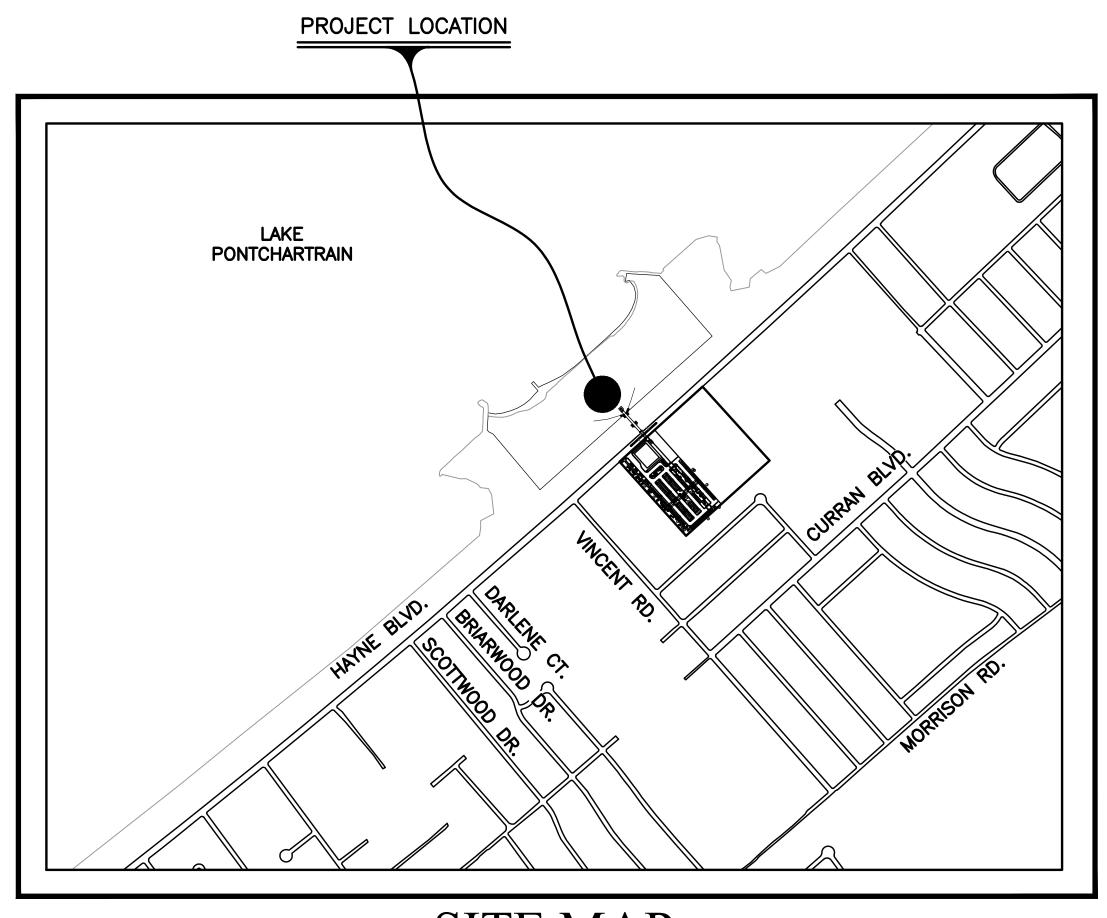
# CITY OF NEW ORLEANS

STATE OF LOUISIANA

LINCOLN BEACH REDEVELOPMENT

PHASE 1

DIGITAL ENGINEERING & IMAGING, INC



# SITE MAP

600 1200 1800 2400 SCALE: 1" APPROX. = 600 FT.

30% PRELIMINARY NOT FOR CONSTRUCTION

DIGITAL ENGINEERING & IMAGING, INC. 527 W. ESPLANADE AVE., STE, 200 KENNER, LA. 70065 - PH. (504) 468-6129

### SCHEDULE OF REVISIONS

DATE	REVISION	DATE	REVISION	DATE	REVISION



VICINITY MAP

PLANS PREPARED BY AND RECOMMENDED FOR APPROVAL:

PROJECT LOCATION

DATE: DIGITAL ENGINEERING & IMAGING, INC.

RECOMMENDED BY:

DATE: NEW ORLEANS SEWERAGE & WATER BOARD

DATE:

APPROVED BY:

CITY OF NEW ORLEANS

DEPT. OF PUBLIC WORKS

- 1.2 THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY THE PROJECT TEMPORARY BENCH MARKS SHOWN ON PLAN 4.3 THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO EXISTING UTILITIES WHICH OCCURS DURING
- WITH THE PERMANENT BENCH MARK INDICATED ON THE GEOMETRIC LAYOUT SHEET. 1.3 THE CONTRACTOR SHALL BE RESPONSIBLE FOR LAYING OUT THE WORK AND VERIFYING ALL MEASUREMENTS EXISTING ELEVATIONS, AND GRADES PRIOR TO BEGINNING OF CONSTRUCTION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ESTABLISH THE PROJECT CENTERLINE AND ADDITIONAL TEMPORARY BENCH MARKS FOR 4.4
- 1.4 THE LINES AND GRADES SHOWN ON THE PLANS MAY BE VARIED SLIGHTLY BY THE ENGINEER IN THE FIELD IF CONDITIONS JUSTIFY SUCH A VARIATION. THE CONTRACTOR SHALL NOT BE ENTITLED TO AN EXTRA PAYMENT OTHER THAN WHATEVER INCREASE IN CONTRACT QUANTITIES IS INVOLVED.

CONSTRUCTION PURPOSES BEFORE DESTROYING EXISTING MONUMENTS/NAILS/CROSS CUTS, ETC..

- 1.5 THE CONTRACTOR SHALL BE RESPONSIBLE TO ESTABLISH GRADES FOR ALL ROADS TO MAINTAIN POSITIVE DRAINAGE TO THE NEAREST CATCH BASINS OR DROP INLETS WITHOUT PONDING WATER IN ROADWAYS. IF DRAINAGE CONFLICT IS OBSERVED, CONTRACTOR SHALL INITIATE A REQUEST FOR INFORMATION TO ENGINEER FOR REVIEW. CONTRACTOR SHALL EVALUATE CATCH BASIN ADJUSTMENT IN LIEU OF ROADWAY ELEVATION ADJUSTMENT, WHEN FEASIBLE.
- 1.6 THE CONTRACTOR SHALL CONTACT DEPT OF PUBLIC WORKS (STREET LIGHTING) TO MARK STREETLIGHT AND TRAFFIC SIGNAL UTILITY LINES AT LEAST 48 HOURS PRIOR TO SAW-CUTTING OR EXCAVATION. CONTRACTOR IS RESPONSIBLE FOR ANY COSTS IN MARKING AT NO DIRECT COST, THE FEE IS BASED ON PROJECT LIMITS. THE CONTRACTOR SHALL BE RESPONSIBLE TO REPAIR ANY DAMAGED LINES IN 5-DAYS FOR STREET LIGHTS, AND IMMEDIATELY FOR TRAFFIC SIGNALS. IF THE CONTRACTOR HAS THE AREA MARKED AND DAMAGE OCCURS BECAUSE THE LINES WERE IMPROPERLY MARKED, THE CONTRACTOR WILL NOT BE RESPONSIBLE FOR THE COST ASSOCIATED WITH THE REPAIR.

### 2.0 ROADWAYS

- ALL ROADWAY CONSTRUCTION TO BE PERFORMED IN ACCORDANCE WITH THE CITY OF NEW ORLEANS GENERAL SPECIFICATIONS FOR STREET PAVING. LATEST EDITION PRIOR TO BID AUTHORIZATION, AND THE CITY STANDARD DRAWINGS. PLEASE REFER TO https://www.nola.gov/dpw/construction-engineer-resources/
- 2.2 UNLESS SPECIFIED OTHERWISE, PROPERTY LINES INDICATED ON THE PLANS ARE APPARENT PROPERTY LINES.
- 2.3 ROADWAY RADII ARE MEASURED TO THE FACE OF CURB.
- 2.4 CONTRACTOR SHALL COMPACT AND SHAPE THE TOP 9 INCHES OF THE SUBGRADE PRIOR TO PLACING GEOTEXTILE 5.8 ALL NEW MANHOLES, CATCH BASINS, AND DROP INLETS, SHALL BE PLACED ON A 6" LAYER OF CRUSHED STONE FABRIC AND/OR GEOGRID. (NO DIRECT PAYMENT)
- 2.5 ASPHALT TRANSITIONS, RESHAPED DITCHES, AND CRUSHED STONE SHOULDERS FOR SIDE STREETS, IF REQUIRED, 5.9 SHALL BE DONE PER DIRECTION OF THE FIELD ENGINEER AND PAID FOR AT THE CONTRACT UNIT PRICE.
- 2.6 WHENEVER NEW PAVING INTERSECTS OR MEETS EXISTING PAVING THAT IS TO REMAIN, THE GRADES OF THE NEW PAVING SURFACE SHALL MATCH THE GRADE OF THE EXISTING PAVING
- 2.7 FOR CONCRETE BASE ROADWAY, THE CONTRACTOR SHALL NOT OVERLAY OVER EXPANSION JOINTS. AN APPROVED 6.1 JOINT SEALER SHALL BE USED OVER EXPANSION JOINTS.
- 2.8 WHENEVER REMOVAL OF EXISTING PAVEMENT SURFACING IS REQUIRED IN CONJUNCTION WITH PROPOSED PROFILE GRADE LINE SHOWN ON THE DRAWINGS, THE EXISTING ASPHALT CONCRETE PAVEMENT IMMEDIATELY ADJACENT TO THE EDGE OF THE CONCRETE GUTTER SHALL BE MILLED TO A MINIMUM DEPTH OF ONE (1") TO OBTAIN A SMOOTH TIE-IN BETWEEN EXISTING AND PROPOSED CONSTRUCTION.
- 2.9 WHENEVER ADDITIONAL PAVEMENT SURFACING MATERIAL IS REQUIRED, THE ADJACENT CONCRETE GUTTER BOTTOM WILL NOT BE COVERED WITH ASPHALT SURFACING IF THE PROPOSED PROFILE GRADE LINE SHOWN ON THE 6.2B IN LIEU OF THE ABOVE, AN ALTERNATIVE METHOD MAY BE UTILIZED BY TYING THE 6" DRAIN HOSE CONNECTIONS DRAWINGS IS WITHIN ONE (1") INCH. IN AREAS WHERE THE PROPOSED PROFILE GRADE LINE IS HIGHER THAN THE EXISTING GUTTER BOTTOM BY MORE THAN ONE (1") INCH, THE SURFACE OF THE EXISTING GUTTER BOTTOM OR ROLLING STRIP SHALL BE OVERLAID WITH ASPHALT SURFACING TO THE FACE OF THE CURB
- 2.10 THE CONTRACTOR SHALL REMOVE ALL CULVERT PIPES IN DITCHES, METAL GRATES, AND ANY OTHER OBSTRUCTIONS THAT ARE WITHIN THE LIMITS OF THE PROPOSED ROADWAY. (NO DIRECT PAYMENT)
- 2.11 ALL SALVAGEABLE ROADWAY MATERIALS, AS DETERMINED BY THE ENGINEER SHALL BE DELIVERED TO THE APPROPRIATE LOCATION AS SHOWN BELOW, AND DOCUMENTED IN ACCORDANCE TO CNO REQUIREMENTS. (NO DIRECT PAYMENT)
- a) STONE CURB, COBBLESTONE, ETC. SHALL BE DELIVERED TO THE PUBLIC WORKS/MAINTENANCE YARD AT 838 SOUTH GENOIS STREET.
- b) STREET SIGNS, TRAFFIC CONTROL DEVICES (SIGNS & SIGNALS) TO THE PUBLIC WORKS/SIGN SHOP AT 2832 6.5 THERE WILL BE NO DIRECT PAYMENT FOR TIE-IN NEW OR EXISTING LINES TO ANY MANHOLES. LAFITTE STREET.
- 2.12 WHENEVER REMOVAL OF EXISTING PAVEMENT SURFACING, CURB OR SIDEWALK IS REQUIRED IN CONJUNCTION WITH WATER SERVICE REPLACEMENT SHOWN ON THE DRAWINGS THE CONTRACTOR SHALL VERIFY METER SERVICE 7.1 LOCATION AND/OR FINAL WATER SERVICE ALIGNMENT PRIOR TO SAWCUTING. CURBS SHALL BE STAMPED WITH A W." TO DESIGNATE WATER SERVICE LINES, AS DEPICTED IN DWG NO 7134A-W. CURBS SHALL BE STAMPED WITH A "S." TO DESIGNATE SEWER SERVICE CONNECTIONS, AS DEPICTED IN DWG NO 6312-E5-A.
- 2.13 CONTRACTOR SHALL COORDINATE WITH OWNER OF PRIVATE UTILITIES FOR ADJUSTMENT OF VALVES, BOXES, METERS, CLEANOUTS AND OTHER MISCELLANEOUS STRUCTURES LOCATED WITHIN OR CONFLICTING WITH AREAS TO PUBLIC UTILITIES VALVES, BOXES, METERS, CLEANOUTS, MANHOLES AND OTHER MISCELLANEOUS STRUCTURES SHALL BE MADE AT NO DIRECT PAYMENT UNLESS SPECIFIED FOR PAYMENT UNDER RESPECTIVE ITEMS ON THE 7.4 ALL TREE GRATES, ETC., SHALL BE DELIVERED TO THE DEPARTMENT OF PARKWAYS & PARKS NURSERY AT 2829 UNIT PRICE FORM.
- ASPHALT PAVEMENT (RAP). CONTRACTOR SHALL DELIVER RAP TO A LOCATION SPECIFIED BY THE DIRECTOR WITHIN A 30 MILE RADIUS OF OF PROJECT SITE AT NO DIRECT PAY.

### 3.0 DRIVEWAYS, SIDEWALKS, & INCIDENTAL PAVEMENT

- ${\sf 3.1}$  -all legal driveways removed shall be replaced in kind unless otherwise noted.
- 3.2 THE EXACT LIMITS OF REMOVAL AND REPLACEMENT OF DRIVEWAYS AND SIDEWALKS SHALL BE DETERMINED BY THE ENGINEER. THE CONTRACTOR SHALL NOT REMOVE ANY DRIVEWAY OR SIDEWALK WITHOUT PRIOR APPROVAL OF THE
- 3.3 AT INTERSECTIONS WHERE THE SIDEWALK PAVEMENT IS TO REMAIN, HANDICAPPED RAMPS SHALL BE INSTALLED BY SAW CUTTING AND REMOVING ONLY THAT PORTION OF SIDEWALK REQUIRED TO ALLOW FOR CONSTRUCTION OF THE
- 3.4 THE CONTRACTOR IS REQUIRED TO SAW CUT (1" MINIMUM DEPTH) SIDEWALKS, DRIVEWAYS, CURBS, CONCRETE PAVEMENT, TO INSURE A STRAIGHT LINE BETWEEN OLD AND NEW WORK.
- 3.5 ALL SIDEWALKS AND DRIVEWAYS DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION, WHICH IN THE OPINION OF THE ENGINEER ARE OUTSIDE THE LIMITS OF THE ROADWAY CONSTRUCTION, SHALL BE REPLACED BY THE CONTRACTOR AT HIS OWN EXPENSE.
- FROM THE PROPERTY AT ALL TIMES. SIDEWALK ELEVATIONS MAY BE ADJUSTED TO ALLOW DRAINAGE THROUGH DRIVEWAYS WITH DEPRESSED CURBS, UPON ENGINEER APPROVAL. 3.7 PAYMENT FOR EXCAVATION ASSOCIATED WITH CONSTRUCTION OF NEW SIDEWALKS, DRIVEWAYS, FOOTLAPS, AND

THE CONTRACTOR SHALL ADJUST THE ELEVATIONS OF THE NEW SIDEWALKS SO AS TO ALLOW DRAINAGE AWAY

- HANDICAP RAMPS SHALL BE INCLUDED IN THE RESPECTIVE ITEM.
- 3.8 PAYMENT FOR GRADING OF FILL MATERIAL BETWEEN BACK OF CURB AND SIDEWALK SHALL BE INCLUDED IN THE RESPECTIVE ITEM.
- 3.9 CONTRACTOR SHALL OBSERVE ALLOWABLE TIME LIMITS OF OPEN ROADWAY PANELS AND SIDEWALKS, AND MAINTAIN PEDESTRIAN SAFETY, AS SPECIFIED IN GENERAL SPECIFICATIONS C724.04, C706.01, AND C706.02.
- .10 CRUSHED STONE OR CRUSHED CONCRETE USED FOR TEMPORARY SURFACING OF UTILITY TRENCHES, DRIVEWAYS, AND ROADWAYS BEFORE PAVING, INCLUDING THE COST OF MATERIALS, LABOR, AND EQUIPMENT SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE TRAFFIC MAINTENANCE AGGREGATE.

### 4.0 <u>UTILITIES</u>

4.1 IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY LOCATION AND DEPTH OF ALL EXISTING 8.2 THE CONTRACTOR SHALL SEEK APPROVAL OF THE CITY TRAFFIC ENGINEER FOR ANY TRAFFIC RELATED PLAN UTILITIES BEFORE STARTING CONSTRUCTION. THE DEPARTMENT OF PUBLIC WORKS IS NOT RESPONSIBLE FOR ACCURACY OF THE LOCATION OF THESE UTILITIES SHOWN ON THE PLANS. THE CONTRACTOR IS CAUTIONED THAT MANY OF THE UNDERGROUND UTILITY PIPES, LINES, CONDUITS, CABLES, ETC., ARE LOCATED IMMEDIATELY BELOW THE EXISTING GRADE.

- 4.2 EXISTING POWER POLES SHALL BE RELOCATED BY OWNER AFTER THE CURB LINE HAS BEEN STAKED OUT IN THE FIELD FOR CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE RESPECTIVE UTILITY COMPANIES FOR THE REMOVAL OR RELOCATION OF THE EXISTING UTILITIES WHICH INTERFERE WITH THE
- CONSTRUCTION AND SHALL IMMEDIATELY REPORT ANY DAMAGE TO THE UTILITY ENTITIES. ALL REPAIRS OF THE DAMAGED UTILITIES SHALL BE DONE BY THE RESPECTIVE UTILITY ENTITY, EXCEPT S&WB POWER FEEDER, WHICH SHALL BE REPAIRED BY THE CONTRACTOR. ALL REPAIR COSTS SHALL BE BORNE BY THE CONTRACTOR.
- ALL PRIVATELY OWNED UTILITY MANHOLES AND OTHER STRUCTURES WILL BE ADJUSTED BY THE UTILITY COMPANIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE UTILITY COMPANIES AND REQUEST THE NECESSARY ADJUSTMENTS. THE ABOVE REQUEST SHALL BE MADE AT LEAST 2 WEEKS PRIOR TO CONSTRUCTION IN AREA OF CONFLICT TO ALLOW THE REQUIRED UTILITY COMPANY SUFFICIENT TIME FOR PERFORMING THE WORK.

### 5.0 SEWERAGE & WATER BOARD ITEMS

- 5.1 ALL WORK TO BE PERFORMED IN ACCORDANCE WITH THE CURRENT GENERAL SPECIFICATIONS; DRAWING NUMBERS 7260-S. 7260-W & 7260-D: AND THE STANDARD DRAWINGS OF THE S&WB OF NEW ORLEANS, LOUISIANA EXCEPT WHERE OTHERWISE NOTED IN THE CONSTRUCTION DOCUMENTS.
- 5.2 THE LOCATION OF EXISTING UTILITIES SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE SAME AND
- SHALL TAKE NECESSARY PRECAUTIONS TO PROTECT THEM. 5.3 THE CONTRACTOR SHALL VERIFY ELEVATION OF EXISTING INVERTS THAT ARE A PART OF THIS JOB. PRIOR TO
- INSTALLING NEW UTILITY, CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER. 5.4 ALL CHANGES FROM THESE DRAWINGS MUST BE APPROVED BY THE S&WB PRIOR TO BEGINNING THE CONSTRUCTION WITH WHICH THEY ARE CONCERNED.
- 5.5 THE CONTRACTOR SHALL NOTIFY THE CHIEF OF ENGINEERING OF THE S&WB IN WRITING NOT LESS THAN THREE (3) OR MORE THAN TEN (10) WORKING DAYS IN ADVANCE OF STARTING THE CONSTRUCTION.
- 5.6 FINAL ACCEPTANCE OF THE SYSTEM WILL BE SUBJECT TO A ONE (1) YEAR MAINTENANCE PERIOD FOLLOWING ACCEPTANCE OF THE PROJECT BY THE S&WB. BEFORE FINAL INSPECTION OF THE WORK, THE CONTRACTOR SHALL SUBMIT AN "AS-BUILT" DRAWING TO THE S&WB SHOWING CHANGES IN LINE OR GRADE FROM THE ORIGINAL DRAWINGS. AND THE LOCATION AND DEPTH OF ALL HOUSE CONNECTIONS AS PER S&WB REQUIREMENTS.
- 5.7 IN CASE OF CONFLICT BETWEEN THE NEW DRAIN LINES AND THE SEWER HOUSE CONNECTIONS. THE CONTRACTOR SHALL ADJUST THE SEWER HOUSE CONNECTIONS TO AVOID THE CONFLICTS. ALL APPLICABLE S&WB SPECIFICATIONS AND GUIDELINES SHALL BE FOLLOWED BY THE CONTRACTOR DURING THESE ADJUSTMENTS.
- OR APPROVED EQUAL (NO DIRECT PAYMENT)
- THE INSTALLATION OF THE WATER MAINS CLOSER TO A SEWER HAS BEEN DESIGNED TO BE LAID IN A SEPARATE TRENCH LOCATED ON ONE SIDE OF THE SEWER AT SUCH AN ELEVATION THAT THE BOTTOM OF THE WATER MAIN IS AT LEAST 18 INCHES ABOVE THE TOP OF THE GRAVITY SEWER.

- THE COST FOR DRAINAGE EXCAVATION, BEDDING MATERIAL, SHEETING, BRACING, BACK FILLING, GRADING, AND HAULING AWAY SURPLUS MATERIALS SHALL BE INCLUDED IN THE UNIT PRICE FOR DRAINAGE PIPES BEING INSTALLED.
- 6.2A ALL EXISTING HOUSE CONNECTIONS ARE TO BE RECONNECTED TO NEW DRAIN LINES WITH 6" PVC DRAIN LINE. THE HOUSE CONNECTIONS WILL BE ATTACHED TO NEW RCP BY DRILLING THE RCP (NO 7.2A TAPPING WILL BE ALLOWED) AND USING A RUBBER BOOT OR SAND-IMPREGNATED PVC BELL TO CONNECT TO THE NEW PVC PIPE. AN ALTERNATE METHOD COULD UTILIZE AN RCP TEE IN THE MAIN LINE WITH A RUBBER BOOT (I.E. KOR-N-SEAL BOOT, OR APPROVED EQUAL) TO CONNECT THE 6" PVC TO THE LATERAL STUB OF THE TEE.
- INTO AN 8" COLLECTOR LINE LOCATED BEHIND THE CURB AND TIED INTO THE CATCH BASINS. TO BE INSTALLED AS DIRECTED BY THE D.P.W. REPRESENTATIVE. NO 90 DEGREE BENDS WILL BE ALLOWED IN DRAIN HOUSE CONNECTION PIPES.
- 6.3 ON DRAIN POINT REPAIRS, NO BRICK OR CONCRETE COLLARS WILL BE ALLOWED
- 6.4 FOR ALL DRAIN REPAIRS, THE CONNECTION OF ANY TWO DISSIMILAR MATERIALS SHALL BE ACCOMPLISHED BY INSTALLATION OF A "NO-HUB" COUPLING CONSISTING OF A NEOPRENE SLEEVE AND BUSHING ADAPTER, TWO STAINLESS STEEL BANDS, AND STAINLESS STEEL SCREWS. THE COUPLING SHALL BE MANUFACTURED IN STRICT ACCORDANCE WITH THE CAST IRON SOIL PIPE INSTITUTE SPECIFICATIONS C301, LATEST REVISION. AS MANUFACTURED BY TYLER CLAY PRODUCTS CORP., FERNCO, OR APPROVED EQUAL. DRAIN LINES INDICATED FOR REMOVAL WILL BE REMOVED AND DISPOSED IN A PROPER MANNER. THE CONTRACTOR SHALL BACKFILL THE RESULTING VOID WITH APPROVED COMPACTED BACKFILL MATERIAL AT NO DIRECT PAY. MANHOLES AND CATCH BASINS INDICATED TO BE ABANDONED IN PLACE, SHALL BE REMOVED TO THREE (3) FEET BELOW GRADE AND THEN PLUGGED AND FILLED WITH SAND.

### 7.0 HORTICULTURE REQUIREMENTS

- THE CONTRACTOR SHALL COMPLY WITH ALL "HORTICULTURE REQUIREMENTS" SPECIFIED BY THE DEPARTMENT OF PARKS & PARKWAYS. HORTICULTURE CONSTRUCTION CONFLICTS OBSERVED DURING CONSTRUCTION LAYOUT SHALL BE PROVIDED TO ENGINEER OF RECORD TO ASSESS PROJECT IMPACT. CONTRACTOR SHALL SUBMIT A REQUEST FOR INFORMATION, WITH JUSTIFICATION FOR PROPOSED CHANGE.
- 7.2 THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PARKWAYS & PARKS PRIOR TO REPLACING ANY UTILITY LINES LOCATED NEAR TREES. IF NECESSARY THE CONTRACTOR SHALL SHORE THE AREA NEAR TREES, USE ROOT GUARDS, AND OTHER PRECAUTIONS NECESSARY TO PROTECT THE TREES.
- BE RECONSTRUCTED AND ACCOMMODATING ADJUSTMENTS SHALL BE AT NO DIRECT PAYMENT. ADJUSTMENT OF 7.3 ALL TREE REMOVALS, BRANCH PRUNING, OR ROOT CUTTING, SHALL BE PERFORMED BY A LICENSED ARBORIST, APPROVED BY THE DEPARTMENT OF PARKWAYS & PARKS.
  - GENTILLY BLVD. (NO DIRECT PAYMENT)
- .14 UPON REQUEST, DPW RESERVES THE RIGHT TO REQUEST FROM THE CONTRACTOR UP TO 50% OF THE RECYCLED 7.5 ALL EXISTING TREES, SHRUBS, AND VEGETATION DISTURBED BY THE CONTRACTOR'S OPERATION, SHALL BE REPLACED IN-KIND OR REPAIRED AT NO DIRECT PAY.
  - 7.6 ALL HOUSE CONNECTIONS WHICH ARE LOCATED WITHIN THE TREE DRIP LINES SHALL BE EXCAVATED BY HAND AT NO DIRECT PAY, NO MECHANICAL TRENCHING WILL BE ALLOWED.
  - 7.7 THE CONTRACTOR SHALL NOTIFY PROPERTY OWNERS PRIOR TO TRIMMING ANY TREES LOCATED ON PRIVATE
  - 7.8 ALL HOUSE CONNECTIONS AND CURBS WHICH ARE LOCATED WITHIN THE TREE DRIP LINES SHALL BE AIR SPADED AT NO DIRECT PAY, NO MECHANICAL TRENCHING WILL BE ALLOWED. ARBORIST MUST BE PRESENT DURING
  - 7.9 THE CONTRACTOR SHALL BE REQUIRED TO RESTORE ALL GREEN SPACES THAT ARE DISTURBED BY CONSTRUCTION TO ITS PRE-EXISTING CONDITIONS. (NO DIRECT PAYMENT) SEEDING AND SODDING SHALL COMPLY WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS SECTION C717 AND SECTION C714 RESPECTIVELY.

### 8.0 TRAFFIC CONTROL

- 8.1 PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO THE CITY TRAFFIC ENGINEER FOR REVIEW AND APPROVAL A COMPLETE CONSTRUCTION SIGNAGE, TRAFFIC MAINTENANCE, AND PUBLIC SAFETY PLAN, PER SECTION C129 OF THE GENERAL SPECIFICATIONS, WHICH, AT A MINIMUM, INCLUDE THE FOLLOWING:
- 1. A SIGN INVENTORY A LIST OF ALL EXISTING TRAFFIC CONTROL DEVICES (SIGNS, SIGNALS, RAISED MARKERS, PAVEMENT MARKINGS, ETC.) ACCURATELY LOCATED ON THE PLANS (NO DIRECT PAY).
- 2. A PLAN FOR THE PROPOSED ROUTE ON WHICH CONSTRUCTION MATERIALS AND EQUIPMENT ARE TO BE TRANSPORTED TO OR FROM THE CONSTRUCTION SITE.
- 3. A DETOUR PLAN SHOWING PROPOSED ROUTES FOR LOCAL AND TRANSIENT TRAFFIC ON WHICH LOCATIONS OF DETOUR TRAFFIC CONTROL DEVICES AND CONSTRUCTION ZONE OR WORK ZONE TRAFFIC CONTROL DEVICES ARE SHOWN. TRAFFIC CONTROL DEVICE APPLICATIONS AND METHODS SHALL BE IN COMPLIANCE WITH PART 6 OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- 4. THE NAME AND TELEPHONE NUMBER OF THE RESPONSIBLE PERSON IN CHARGE OF THE PROJECT
- 5. TRAFFIC CONTROL PLAN SHALL BE PROVIDED TO IDENTIFY ALL INTERSECTION AND ROADWAY DETOURS AND CLOSURES. ALL DETOURS AND CLOSURES MUST BE REVIEWED AND APPROVED BY THE DIRECTOR OR CHIEF
- 6. TRAFFIC CONTROL PLANS MUST BE PROVIDED TO DEPARTMENT OF PARKS AND PARKWAYS, WHEN TREE CANOPIES ARE TO BE DISTURBED. CONTRACTOR SHALL OBTAIN PERMIT FROM PARKS AND PARKWAYS AT LEAST 7 BUSINESS DAYS PRIOR TO TREE TRIMMING, TO BE PERFORMED BY A LOUISIANA LICENSED ARBORIST.
- CHANGE, INCLUDING REMOVAL, RELOCATION OR ADDITION OF TRAFFIC CONTROL DEVICES BEFORE OR DURING THE COURSE OF CONSTRUCTION.

8.3 ALL EXISTING TRAFFIC CONTROL DEVICES THAT ARE IN CONFLICT WITH THE CONSTRUCTION OR WORK ZONE TRAFFIC CONTROL PLAN SHALL BE COVERED OR REMOVED BY THE CONTRACTOR, AND THE REMOVED DEVICES RETURNED TO THE CITY SIGNAL SHOP OR SIGN SHOP AT 2832 LAFITTE STREET. ALL EXISTING DEVICES LEFT IN THE CONSTRUCTION OR WORK ZONE SHALL BE MAINTAINED IN GOOD CONDITION BY THE CONTRACTOR DURING THE

- COURSE OF CONSTRUCTION. 8.4 ALL REMOVED TRAFFIC CONTROL DEVICES SHALL BE RESTORED TO THEIR ORIGINAL POSITION AND ORIENTATION BY THE CONTRACTOR PRIOR TO THE TIME OF FINAL INSPECTION.
- 8.5 ALL TRAFFIC CONTROL DEVICES AND ASSOCIATED HARDWARE (SIGNS, SIGNALS, CONDUITS, CABLES, MARKINGS, ETC.) REMOVED OR DAMAGED DURING THE EXECUTION OF THIS CONTRACT, OTHER THAN AS PROVIDED FOR IN THIS CONTRACT SHALL BE REPLACED AT NO COST TO THE CITY.
- 8.6 ANY DAMAGE CAUSED BY THE CONTRACTOR'S WORK SHALL BE IMMEDIATELY REPORTED BY THE CONTRACTOR TO THE CITY TRAFFIC ENGINEER. REPAIRS SHALL BE PERFORMED BY THE CONTRACTOR OR BY CITY FORCES, AT THE DISCRETION OF THE CITY TRAFFIC ENGINEER, WITH ALL ASSOCIATED COSTS BEING PAID BY THE CONTRACTOR.
- 8.7 THE CONTRACTOR SHALL CONTACT THE CITY'S TRAFFIC SIGNAL SHOP THROUGH THE TRAFFIC ENGINEERING DIVISION (504-658-8040) PRIOR TO THE START OF THE JOB FOR TRAFFIC SIGNAL UTILITY MARKINGS AND COORDINATION.

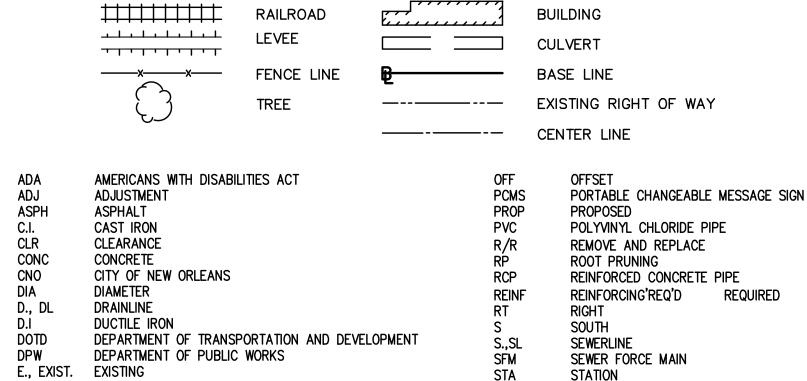
- 9.1 CONTRACTOR IS TO NOTIFY RESIDENTS OF CONSTRUCTION A MINIMUM OF ONE WEEK PRIOR TO START OF CONSTRUCTION.
- 9.2 CONTRACTOR SHALL TAKE REASONABLE MEASURES TO AVOID UNNECESSARY NOISE APPROPRIATE FOR THE AMBIENT SOUND LEVELS IN THE AREA DURING WORKING HOURS. ALL CONSTRUCTION MACHINERY AND VEHICLES SHALL BE EQUIPPED WITH PRACTICAL SOUND MUFFLING DEVICES, AND OPERATED IN A MANNER TO CAUSE THE LEAST NOISE, CONSISTENT WITH EFFICIENT PERFORMANCE OF THE WORK.
- CONTRACTOR SHALL TAKE REASONABLE MEASURES TO AVOID UNNECESSARY DUST. SURFACES SUBJECT TO CREATING DUST SHALL BE KEPT MOIST WITH WATER OR BY APPLICATION OF CHEMICAL DUST SUPPRESSANT. DUSTY MATERIAL IN PILES OR IN TRANSIT SHALL BE COVERED TO PREVENT BLOWING.
- CONTRACTOR SHALL CONTACT THE FOLLOWING AT LEAST THREE (3) WORKING DAYS PRIOR TO BEGINNING OF CONSTRUCTION AROUND THEIR RESPECTIVE UTILITIES:

(۵	S&WB:	INSPECTION:	MR. HADI AMINI	(504) 865-0445	
		ELECTRICAL ENGINEERS:	MR. JAMES VINCENT	(504) 865-0450	
b)	DEPARTMENT OF	MAINTENANCE:	MR. JEROME CASBY	(504) 658-8150	
	PUBLIC WORKS:	TRAFFIC:	MR. ALLEN YRLE	(504) 658-8050	
		ENGINEERING:	MR. NGUYEN PHAN	(504) 658-8030	
		STREET LIGHTING:	MS. JORDAN HELVESTON	(504) 658-8067	
		ELECTRICAL:	MR. KEN SPANN	(504) 593-3419	
c>	ENTERGY:	GAS:	MR. WILLIAM ARMSTRONG	(504) 595-3877	
d>	AT&T:		MR. KELLY WATIGNEY	(504) 952-6417	]
e)	COX CABLE:		MR. DENNIS LACOMBE	(504) 358-6079	
f)	DEPARTMENT OF	CHIEF LANDSCAPE ARCHITECT:	MS. TICA HARTMAN	(504) 658-3226	]
	PARKS & PARKWAYS:	CHIEF URBAN FORESTER:	MR. BOB RICHARDS	(504) 658-3200	
g>	LOUISIANA ONE CALL:			1-800-272-3020	
h	HISTORIC PRESERVATION SPECIALIST		MR. PHILIP GILMORE	(504) 658-8698	
j>	ARCHEOLOGIST		MR. MICHAEL GODZINSKI	(504) 658-8632	
k)	CHIEF URBAN FORESTER		MR. DOUGLAS ROBICHEAUX	(504) 658-3224	
()	CHIEF LANDSCAPE ARCHITECT		MR. DANIEL MCELMURRAY	(504) 658-3225	

9.5 CONTRACTOR SHALL DEVELOP AND SUBMIT SITE—SPECIFIC SAFETY AND HEALTH PLAN. TO INCLUDE SAFE WORK PRACTICES FOR REVIEW.

### **LEGEND**

**BRIDGE** 



 $\sim\sim\sim$ 

حححح

**HEDGE** 

SQUARE YARD

TOP OF CASTING

TOP OF PIPE

UTILITY POLE

VARIABLE, VARIES

TREE TRIMMING

**TEMPORARY** 

THICK

**TYPICAL** 

WITH

WATERLINE

**WILLOW OAK** 

WATER METER

:., EXIST.	EXISTING
ĒÁ	EACH
ECC	ECCENTRIC
EL., ELEV.	ELEVATION
ΣX	EXISTING
FLG	FLANGED
<del>-</del> S	FUNDING SOURCE
G., GL	GASLINE
NV	INVERT
_	LENGTH
- _T	LEFT
_0	LIVE OAK
ИAX	MAXIMUM
ИH	MANHOLE
ΛIN	MINIMUM
١	NORTH
NOSWB	NEW ORLEANS SEWERAGE AND WATER BOARD
NTS	NOT TO SCALE

before

you dig

*30% PRELIMINARY* NOT FOR CONSTRUCTION

### LEGEND (CONT

(G)—— G2" EXIST GAS

UNDERGROUND PIPING MUST BE SHOWN AS A SINGLE LINE WHEN PIPE SIZES ARE LESS THAN 36" FOR DRAINS & 12" FOR SEWER, WATER & GAS. DOUBLE LINES WHEN SIZES ARE/ OR EXCEEDS 36" FOR DRAINS, 12" FOR SEWER, WATER & GAS D D12" PROPOSED DRAINLINE D D36" 36" & UP S)==== *S12"* **12"ø & UP** S PROPOSED SEWER (S)====S12\* 12"ø & UP

(W)==== *w12"* **12"ø & UP** 

(G)==== *G12"* **12"ø & UP** 

**(W)====₩12"** 12"ø & UP

SHEET NUMBER

T1.01

**6**— **G** 12" 12" Ø & UP **−G8** EXIST GAS -UNDERGROUND TELEPHONE CABLE UNDERGROUND ELECTRIC LINE (SPECIFY S&WB OR OTHER) - UNDERGROUND TELEVISION CABLE

PROPOSED VERTICAL CATCH BASIN (VCB) PROPOSED MOUNTABLE CATCH BASIN (MCB)

EXISTING CATCH BASIN (EXISTCB)

PROPOSED MANHOLE (MH)

IIIIIor ♥ / IIIIIor ♥ DROP INLET EXISTING/PROPOSED (DI) WATER VALVE/MANHOLE (CIRCULAR)(WVMC)

── WATER VALVE/MANHOLE (RECTANGULAR)(WVMR

DRAIN MANHOLE (DRAINMH) SEWER MANHOLE (SEWERMH) WATER MANHOLE (WATERMH) GAS MANHOLE (GASMH)

TRAFFIC MANHOLE (TRMH) TELEPHONE MANHOLE (TELMH)

TELEGRAPH MANHOLE (TGMH) ELECTRIC MANHOLE (ELECMH)

TRASH RECEPTACLE (SUB-SURFACE) (TRASH)

- UTILITY VALVE (UV) WATER METER (WM)

RESIDENTIAL MAIL BOX (RMB) TELEPHONE INTERFACE BOX (TIB)

CLEAN OUT FOR SEWER (COS) CLEANOUT FOR DRAIN (COD)

> CABLE TV BOX (TVB) TRAFFIC SIGNAL BOX (TSB)

TRAFFIC CONTROL BOX (TCB)

UTILITY POLE (UP) GUY POLE (GP)

GUY WIRE & ANCHOR (GWA) PARKING METER (PARKM)

 $\pm$  EXISTING CURB (SPECIFY TYPE) LIGHT STANDARD (LS) TRAFFIC SIGNAL STANDARD (TSS)

EXISTING FIRE HYDRANT (EFH) PROPOSED FIRE HYDRANT (PFH)

TRAFFIC SIGN (TS)

IRON PIPE OR IRON ROD (IP) CROSS CUT IN CONCRETE (CROSS)

REMOVE EXIST. MANHOLE (SEWER, DRAIN OR WATER)

**ADJUSTMENT** 

TREE TRIMMING **ROOT PRUNING** 

WATER METER/MANHOLE

FILE NO. \_\_\_\_\_.

FLAGPOLE, MONITORING WELL

GAS LINE CASING, UNDERGROUND ABOVEGROUND

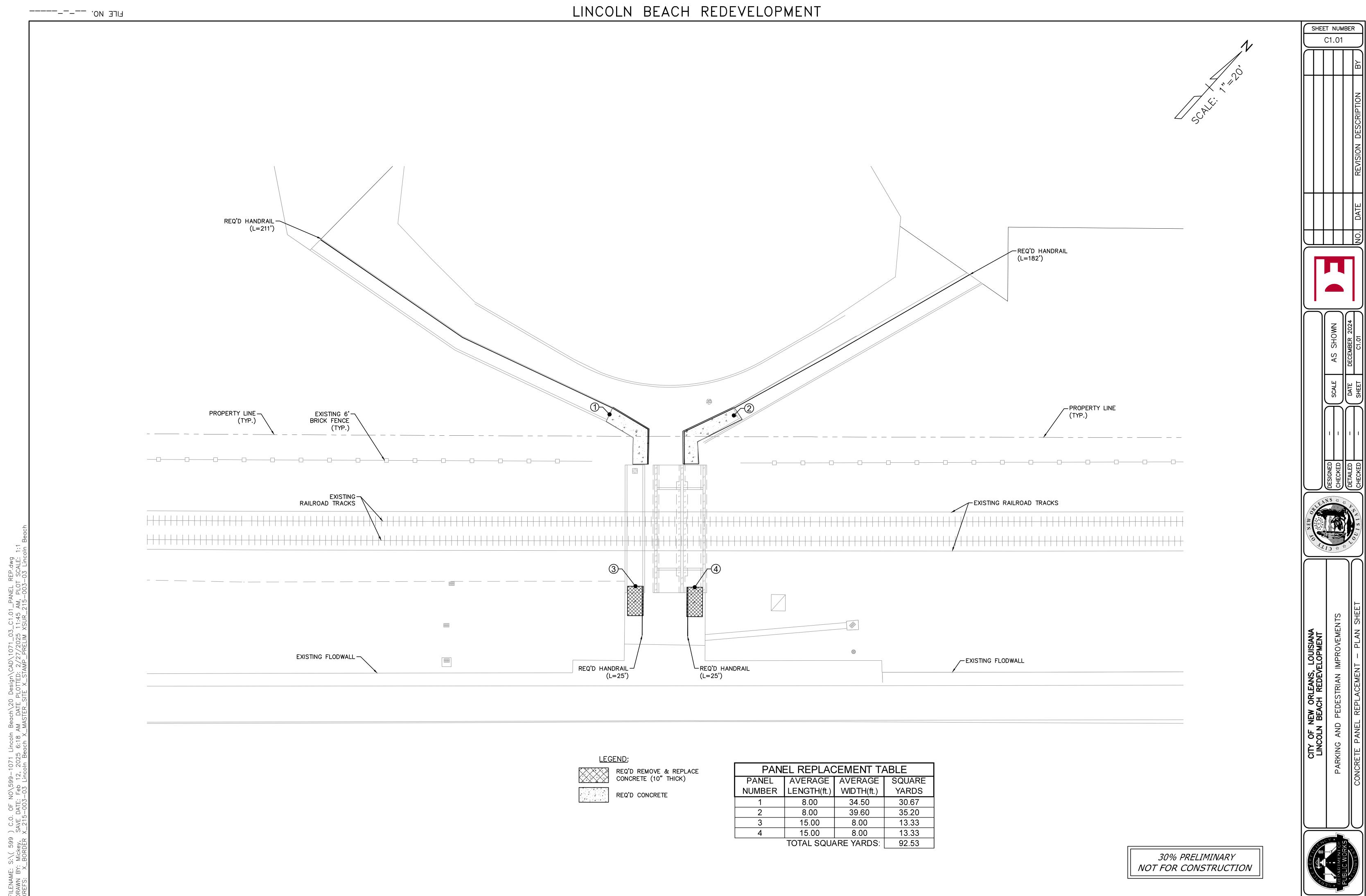
MECHANICAL POINT E.G. A/C, COMPRESSOR, PUMP, ETC.

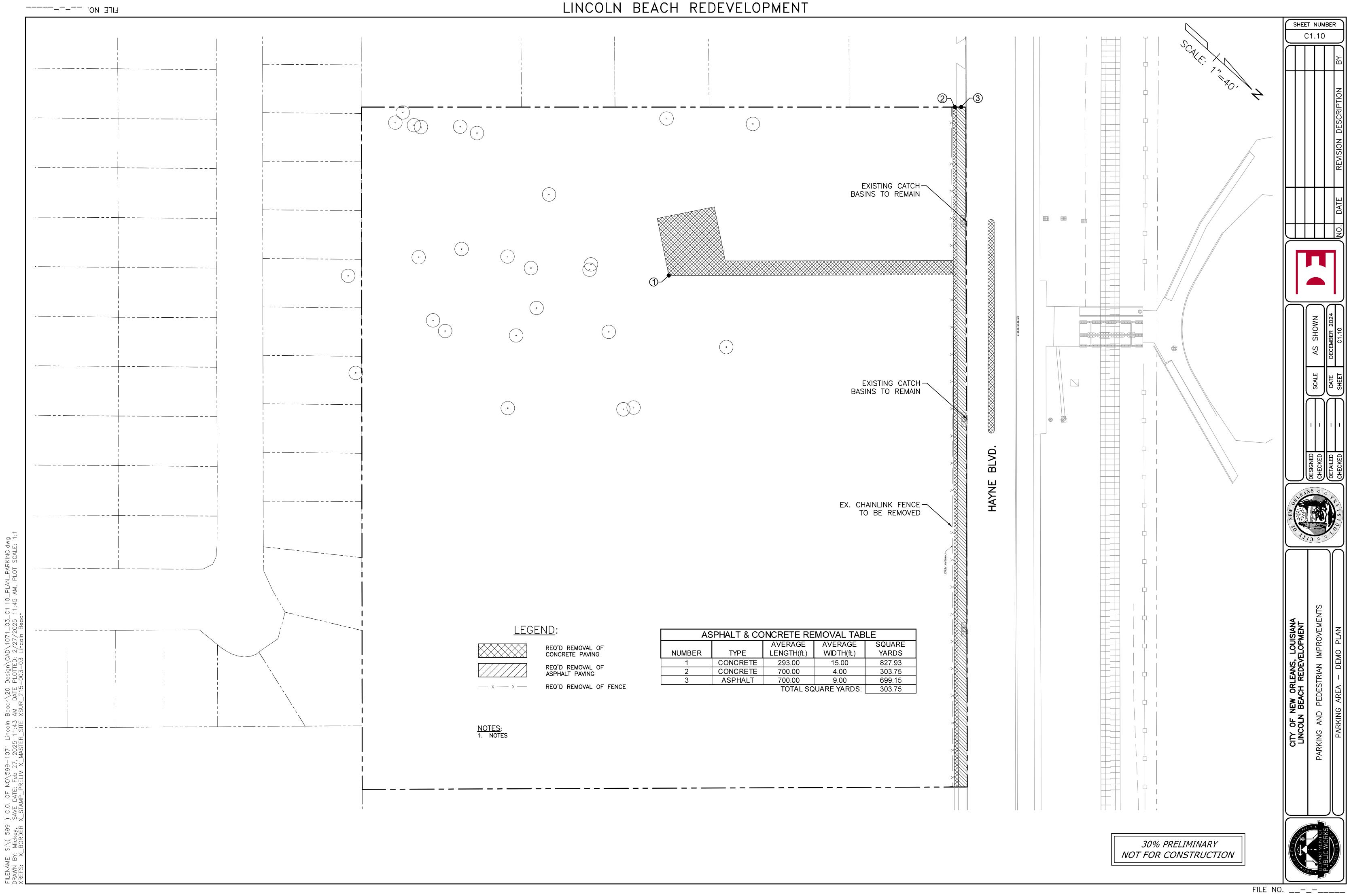
FIRM ZONE: X
BASE FLOOD ELEVATION: NOT DETERMINED

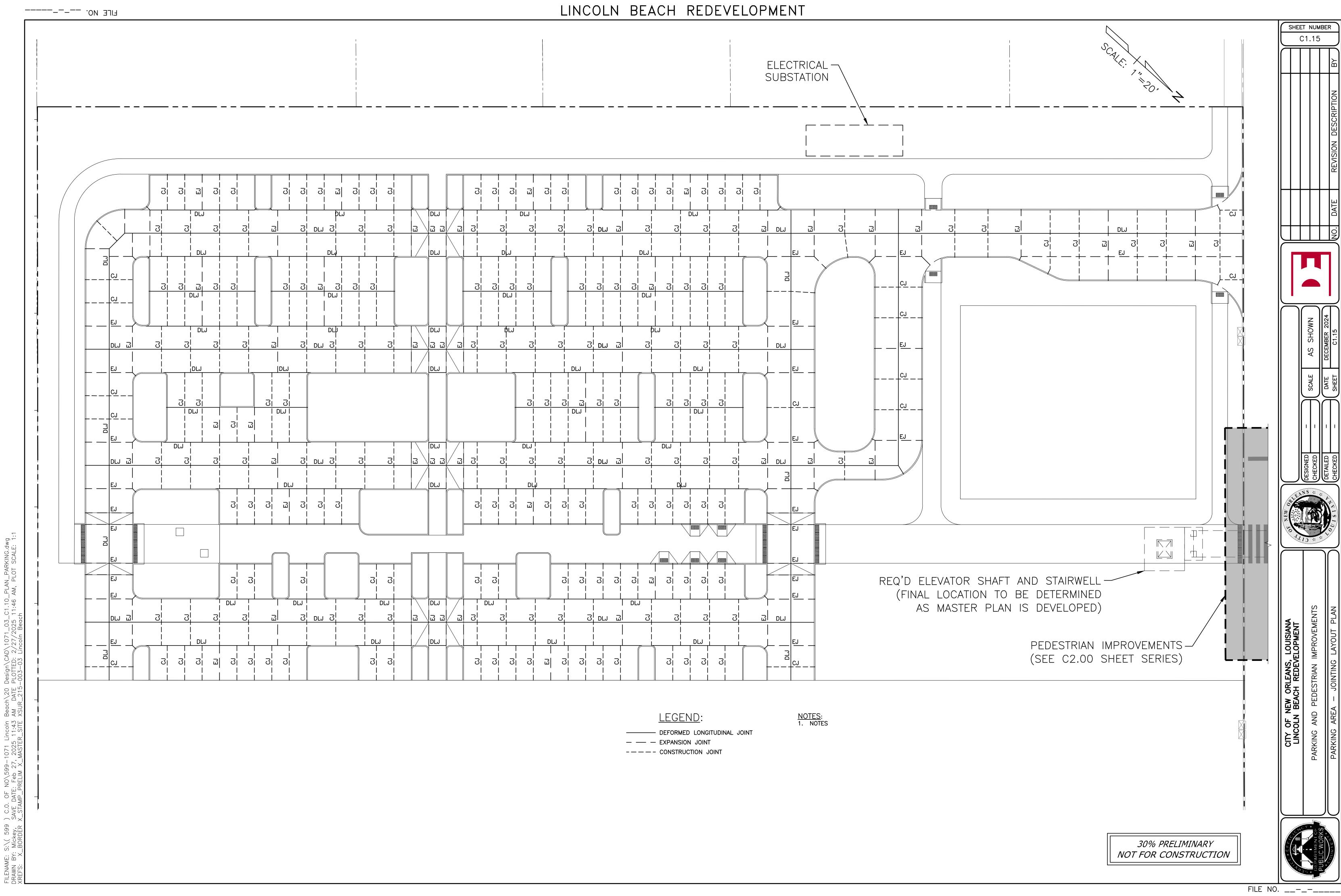
MAP DATED/REVISED: SEPTEMBER 30, 2016

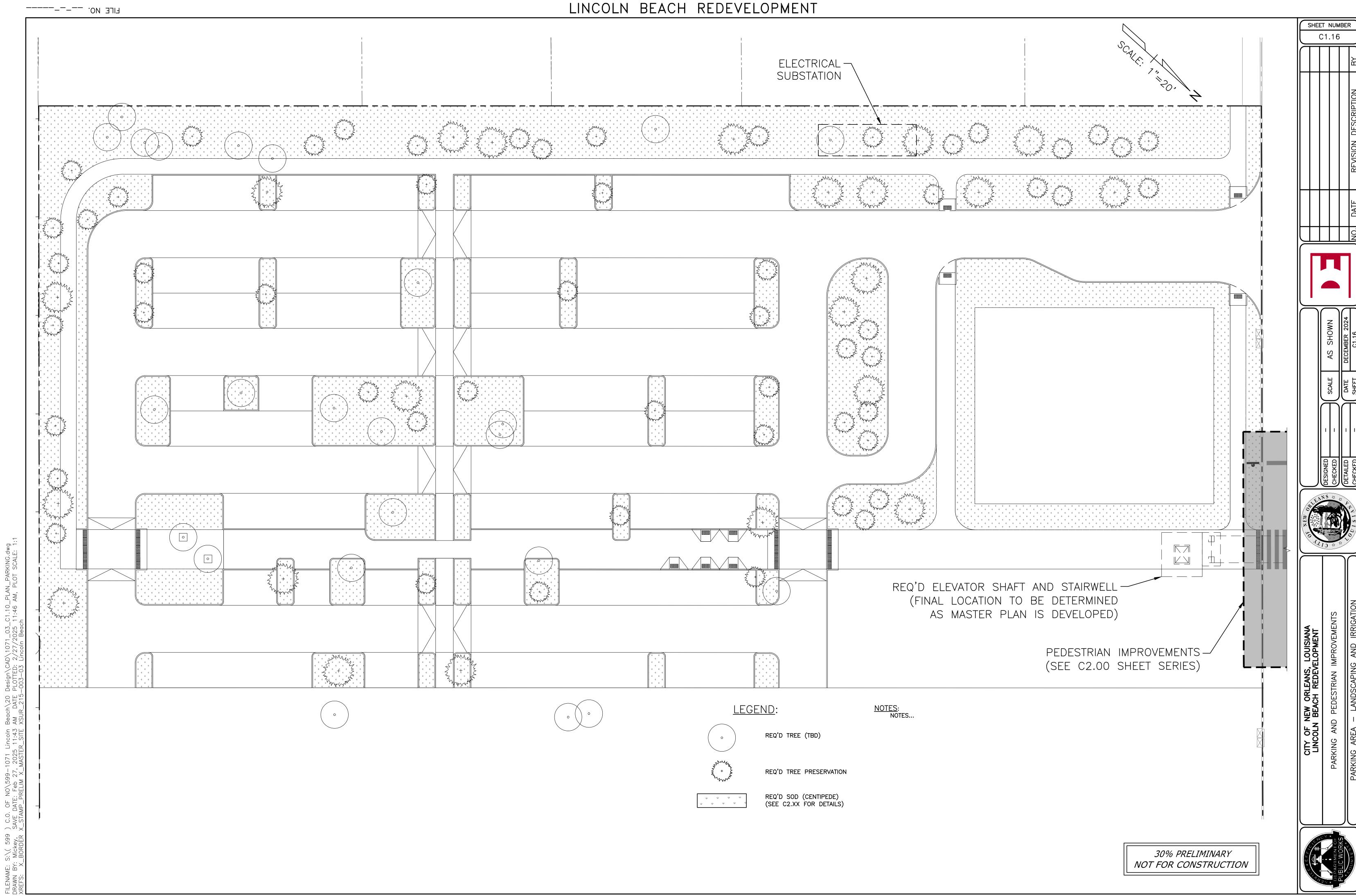
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NOTE: THIS SURVEY IS REPRODUCED HEREON FOR GENERAL INFORMATIONAL PURPOSES ONLY AN ORIGINAL COPY IS AVAILABLE FROM THE SURVEYOR.









3/8"=1'-0"

(SEE SITE PLAN ON SHEET C1.11)

LEGEND:

REQ'D PERVIOUS CONCRETE (SEE C1.14 FOR DETAILS)

REQ'D CONCRETE DRIVEWAY (SEE C1.14 FOR DETAILS)

REQ'D CONCRETE WALK (SEE C1.14 FOR DETAILS)

REQ'D NON-PLASTIC EMBANKMENT

REQ'D #57 LIMESTONE
(3/4" STONE, DOUBLE WASHED)

REQ'D CONCRETE WALK W/ SPECIALTY
JOINTING AND SANDSCAPE FINISH

CILLO

SHEET NUMBER

C1.21

INCOLN BEACH REDEVELOPMENT

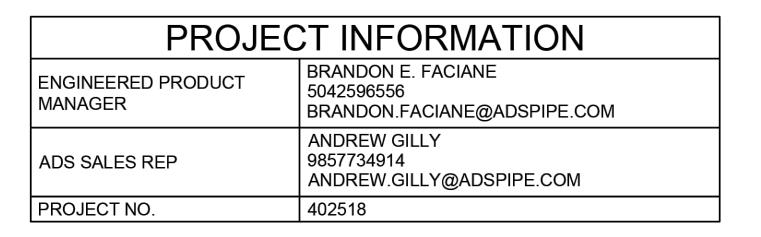
ING AND PEDESTRIAN IMPROVEMENTS

PUBLIC WORKS

PUBLIC WORKS

OUR 1 E SAX

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# REVO - LINCOLN BEACH REDEVELOPMENT

# NEW ORLEANS, LA, USA

### SC-800 STORMTECH CHAMBER SPECIFICATIONS

- . CHAMBERS SHALL BE STORMTECH SC-800.
- 2. CHAMBERS SHALL BE ARCH-SHAPED AND SHALL BE MANUFACTURED FROM VIRGIN, IMPACT-MODIFIED POLYPROPYLENE COPOLYMERS.
- 3. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- 4. CHAMBER ROWS SHALL PROVIDE CONTINUOUS, UNOBSTRUCTED INTERNAL SPACE WITH NO INTERNAL SUPPORTS THAT WOULD IMPEDE FLOW OR LIMIT ACCESS FOR INSPECTION.
- 5. THE STRUCTURAL DESIGN OF THE CHAMBERS, THE STRUCTURAL BACKFILL, AND THE INSTALLATION REQUIREMENTS SHALL ENSURE THAT THE LOAD FACTORS SPECIFIED IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, SECTION 12.12, ARE MET FOR: 1) LONG-DURATION DEAD LOADS AND 2) SHORT-DURATION LIVE LOADS, BASED ON THE AASHTO DESIGN TRUCK WITH CONSIDERATION FOR IMPACT AND MULTIPLE VEHICLE PRESENCES.
- 6. CHAMBERS SHALL BE DESIGNED AND ALLOWABLE LOAD CONFIGURATIONS DETERMINED IN ACCORDANCE WITH ASTM F2787, 
  "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS". 
  LOAD CONFIGURATIONS SHALL INCLUDE: 1) INSTANTANEOUS (<1 MIN) AASHTO DESIGN TRUCK LIVE LOAD ON MINIMUM COVER 2) 
  MAXIMUM PERMANENT (75-YR) COVER LOAD AND 3) ALLOWABLE COVER WITH PARKED (1-WEEK) AASHTO DESIGN TRUCK.
- 7. REQUIREMENTS FOR HANDLING AND INSTALLATION:
  - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING
    STACKING LUGS
  - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS
    THAN 3".
  - THAN 2".
     TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT SHALL BE GREATER THAN OR EQUAL TO 550 LBS/FT/%. THE ASC IS DEFINED IN SECTION 6.2.8 OF ASTM F2418. AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.
- 8. ONLY CHAMBERS THAT ARE APPROVED BY THE SITE DESIGN ENGINEER WILL BE ALLOWED. UPON REQUEST BY THE SITE DESIGN ENGINEER OR OWNER, THE CHAMBER MANUFACTURER SHALL SUBMIT A STRUCTURAL EVALUATION FOR APPROVAL BEFORE DELIVERING CHAMBERS TO THE PROJECT SITE AS FOLLOWS:
  - THE STRUCTURAL EVALUATION SHALL BE SEALED BY A REGISTERED PROFESSIONAL ENGINEER.
  - THE STRUCTURAL EVALUATION SHALL DEMONSTRATE THAT THE SAFETY FACTORS ARE GREATER THAN OR EQUAL TO 1.95 FOR DEAD LOAD AND 1.75 FOR LIVE LOAD, THE MINIMUM REQUIRED BY ASTM F2787 AND BY SECTIONS 3 AND 12.12 OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS FOR THERMOPLASTIC PIPE.
  - THE TEST DERIVED CREEP MODULUS AS SPECIFIED IN ASTM F2418 SHALL BE USED FOR PERMANENT DEAD LOAD DESIGN EXCEPT THAT IT SHALL BE THE 75-YEAR MODULUS USED FOR DESIGN.
- 9. CHAMBERS AND END CAPS SHALL BE PRODUCED AT AN ISO 9001 CERTIFIED MANUFACTURING FACILITY.
- 10. MANIFOLD SIZE TO BE DETERMINED BY SITE DESIGN ENGINEER. SEE TECH NOTE #6.32 FOR MANIFOLD SIZING GUIDANCE. DUE TO THE ADAPTATION OF THIS CHAMBER SYSTEM TO SPECIFIC SITE AND DESIGN CONSTRAINTS, IT MAY BE NECESSARY TO CUT AND COUPLE ADDITIONAL PIPE TO STANDARD MANIFOLD COMPONENTS IN THE FIELD.
- 11. ADS DOES NOT DESIGN OR PROVIDE MEMBRANE LINER SYSTEMS. TO MINIMIZE THE LEAKAGE POTENTIAL OF LINER SYSTEMS, THE MEMBRANE LINER SYSTEM SHOULD BE DESIGNED BY A KNOWLEDGEABLE GEOTEXTILE PROFESSIONAL AND INSTALLED BY A QUALIFIED CONTRACTOR.

### IMPORTANT - NOTES FOR THE BIDDING AND INSTALLATION OF THE SC-800 SYSTEM

- 1. STORMTECH SC-800 CHAMBERS SHALL NOT BE INSTALLED UNTIL THE MANUFACTURER'S REPRESENTATIVE HAS COMPLETED A PRE-CONSTRUCTION MEETING WITH THE INSTALLERS.
- 2. STORMTECH SC-800 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/SC-800/DC-780 CONSTRUCTION GUIDE".
- 3. CHAMBERS ARE NOT TO BE BACKFILLED WITH A DOZER OR AN EXCAVATOR SITUATED OVER THE CHAMBERS
  - STORMTECH RECOMMENDS 3 BACKFILL METHODS:STONESHOOTER LOCATED OFF THE CHAMBER BED.
  - BACKFILL AS ROWS ARE BUILT USING AN EXCAVATOR ON THE FOUNDATION STONE OR SUBGRADE.
  - BACKFILL FROM OUTSIDE THE EXCAVATION USING A LONG BOOM HOE OR EXCAVATOR.
- 4. THE FOUNDATION STONE SHALL BE LEVELED AND COMPACTED PRIOR TO PLACING CHAMBERS.
- 5. JOINTS BETWEEN CHAMBERS SHALL BE PROPERLY SEATED PRIOR TO PLACING STONE.
- . MAINTAIN MINIMUM 6" (150 mm) SPACING BETWEEN THE CHAMBER ROWS.
- EMBEDMENT STONE SURROUNDING CHAMBERS MUST BE A CLEAN, CRUSHED, ANGULAR STONE OR RECYCLED CONCRETE; AASHTO M43 #3, 357, 4, 467, 5, 56, OR 57.
- THE CONTRACTOR MUST REPORT ANY DISCREPANCIES WITH CHAMBER FOUNDATION MATERIALS BEARING CAPACITIES TO THE SITE DESIGN
- 9. ADS RECOMMENDS THE USE OF "FLEXSTORM CATCH IT" INSERTS DURING CONSTRUCTION FOR ALL INLETS TO PROTECT THE SUBSURFACE STORMWATER MANAGEMENT SYSTEM FROM CONSTRUCTION SITE RUNOFF.

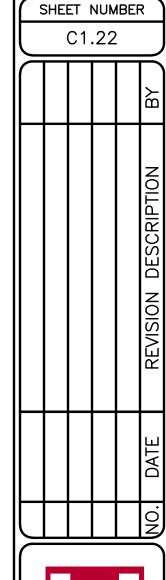
### NOTES FOR CONSTRUCTION EQUIPMENT

- 1. STORMTECH SC-800 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/SC-800/DC-780 CONSTRUCTION GUIDE"
- . THE USE OF CONSTRUCTION EQUIPMENT OVER SC-800 CHAMBERS IS LIMITED:
  - NO EQUIPMENT IS ALLOWED ON BARE CHAMBERS.
  - NO RUBBER TIRED LOADERS, DUMP TRUCKS, OR EXCAVATORS ARE ALLOWED UNTIL PROPER FILL DEPTHS ARE REACHED IN ACCORDANCE WITH THE "STORMTECH SC-310/SC-740/SC-800/DC-780 CONSTRUCTION GUIDE".
  - WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT CAN BE FOUND IN THE "STORMTECH SC-310/SC-740/SC-800/DC-780 CONSTRUCTION GUIDE".
- 3. FULL 36" (900 mm) OF STABILIZED COVER MATERIALS OVER THE CHAMBERS IS REQUIRED FOR DUMP TRUCK TRAVEL OR DUMPING.

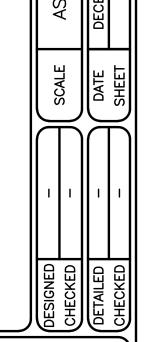
USE OF A DOZER TO PUSH EMBEDMENT STONE BETWEEN THE ROWS OF CHAMBERS MAY CAUSE DAMAGE TO THE CHAMBERS AND IS NOT AN ACCEPTABLE BACKFILL METHOD. ANY CHAMBERS DAMAGED BY THE "DUMP AND PUSH" METHOD ARE NOT COVERED UNDER THE STORMTECH STANDARD WARRANTY.

CONTACT STORMTECH AT 1-800-821-6710 WITH ANY QUESTIONS ON INSTALLATION REQUIREMENTS OR WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT.

30% PRELIMINARY NOT FOR CONSTRUCTION









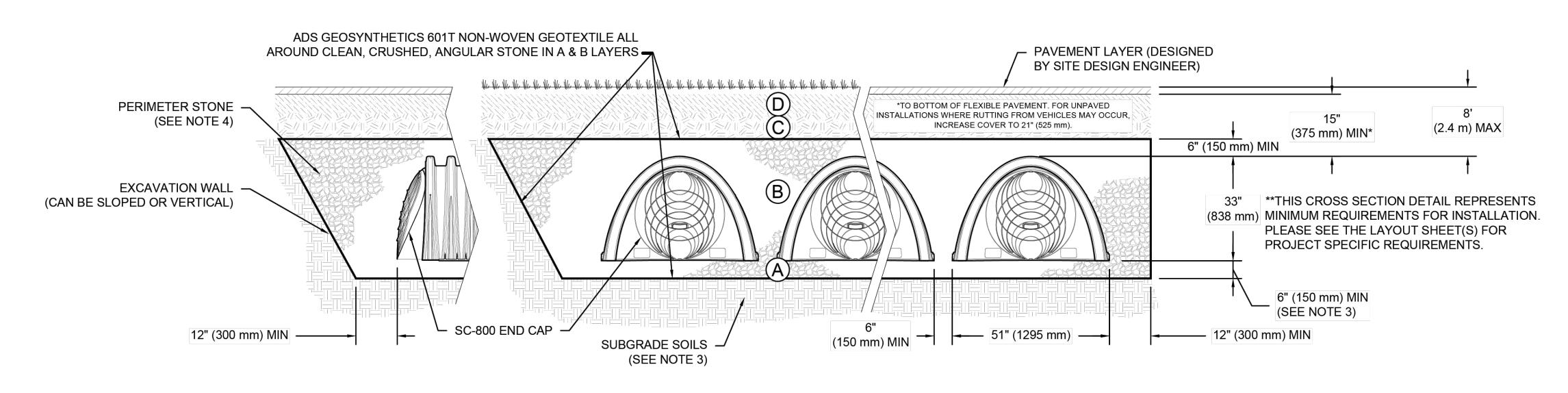
OF NEW ORLEANS, LOUISIANA
OLN BEACH REDEVELOPMENT
AND PEDESTRIAN IMPROVEMENT

30% PRELIMINARY NOT FOR CONSTRUCTION SHEET NUMBER C1.23

	MATERIAL LOCATION	DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	FINAL FILL: FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER.	ANY SOIL/ROCK MATERIALS, NATIVE SOILS, OR PER ENGINEER'S PLANS. CHECK PLANS FOR PAVEMENT SUBGRADE REQUIREMENTS.	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
С	INITIAL FILL: FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE ('B' LAYER) TO 15" (375 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	GRANULAR WELL-GRADED SOIL/AGGREGATE MIXTURES, <35% FINES OR PROCESSED AGGREGATE.  MOST PAVEMENT SUBBASE MATERIALS CAN BE USED IN LIEU OF THIS LAYER.	AASHTO M145 <sup>1</sup> A-1, A-2-4, A-3  OR  AASHTO M43 <sup>1</sup> 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 12" (300 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 6" (150 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS. ROLLER GROSS VEHICLE WEIGHT NOT TO EXCEED 12,000 lbs (53 kN). DYNAMIC FORCE NOT TO EXCEED 20,000 lbs (89 kN).
В	EMBEDMENT STONE: FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE.	CLEAN, CRUSHED, ANGULAR STONE OR RECYCLED CONCRETE <sup>5</sup>	AASHTO M43 <sup>1</sup> 3, 357, 4, 467, 5, 56, 57	NO COMPACTION REQUIRED.
А	FOUNDATION STONE: FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	CLEAN, CRUSHED, ANGULAR STONE OR RECYCLED CONCRETE <sup>5</sup>	AASHTO M43 <sup>1</sup> 3, 357, 4, 467, 5, 56, 57	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE. <sup>2,3</sup>

### PLEASE NOTE:

- 1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE".
- 2. STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 6" (150 mm) (MAX) LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR. 3. WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGNS, CONTACT STORMTECH FOR
- COMPACTION REQUIREMENTS. 4. ONCE LAYER 'C' IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.
- 5. WHERE RECYCLED CONCRETE AGGREGATE IS USED IN LAYERS 'A' OR 'B' THE MATERIAL SHOULD ALSO MEET THE ACCEPTABILITY CRITERIA OUTLINED IN TECHNICAL NOTE 6.20 "RECYCLED CONCRETE STRUCTURAL BACKFILL".



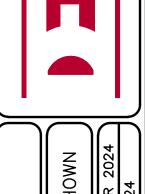
### NOTES:

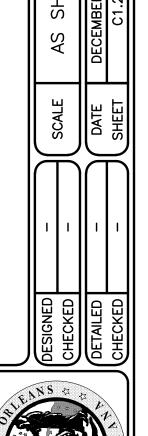
- 1. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- 2. SC-800 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- 3. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS. REFERENCE STORMTECH DESIGN MANUAL FOR BEARING CAPACITY GUIDANCE.
- 4. PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
- 5. REQUIREMENTS FOR HANDLING AND INSTALLATION:
  - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
  - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 2".
  - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT AS DEFINED IN SECTION 6.2.8 OF ASTM F2418 SHALL BE GREATER THAN OR EQUAL TO 550 LBS/FT/%. AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.

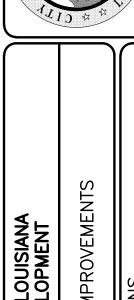
SHEET 3 OF 6

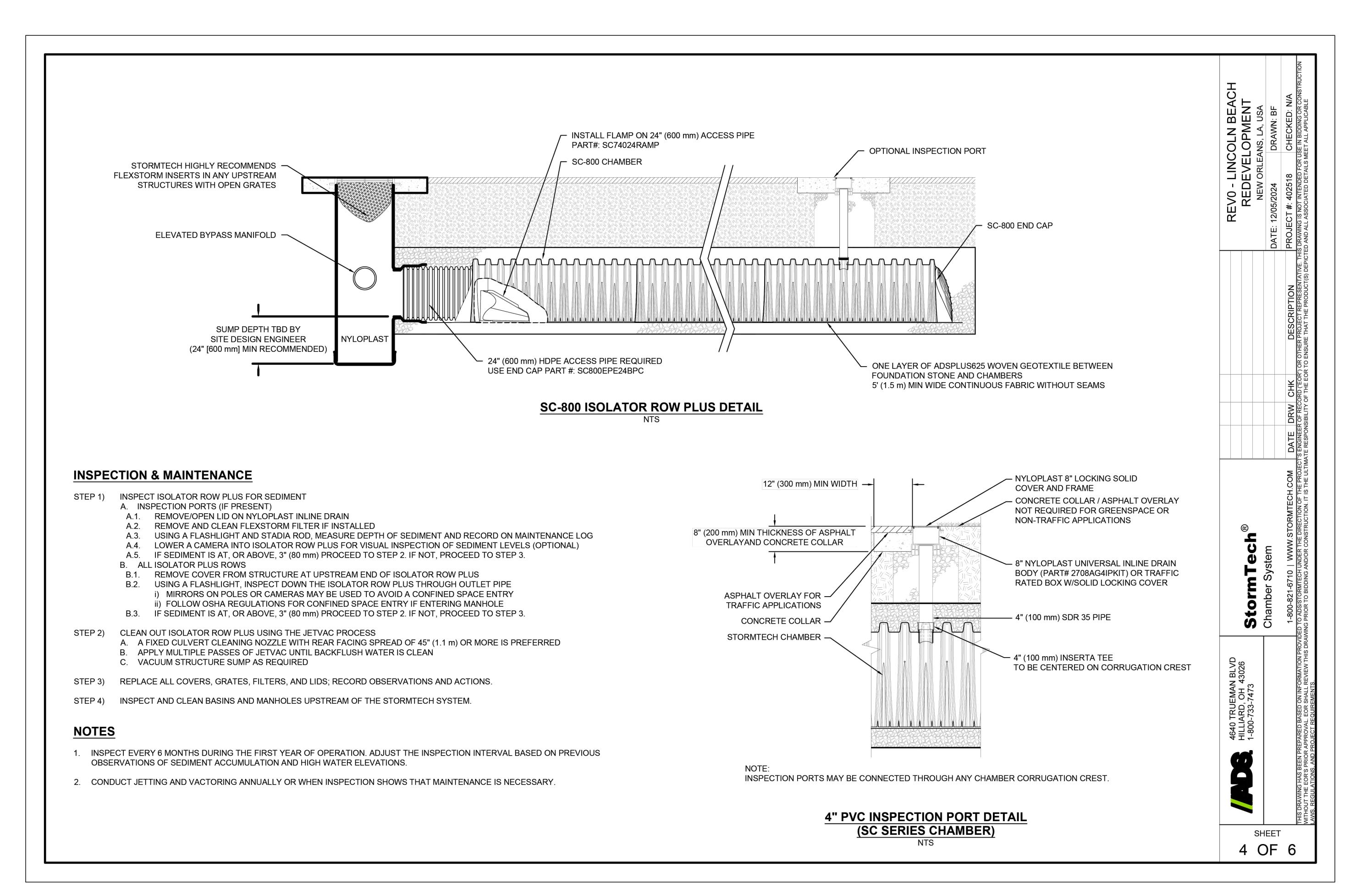
> 30% PRELIMINARY NOT FOR CONSTRUCTION

SHEET NUMBER C1.24









30% PRELIMINARY NOT FOR CONSTRUCTION SHEET NUMBER

C1.25

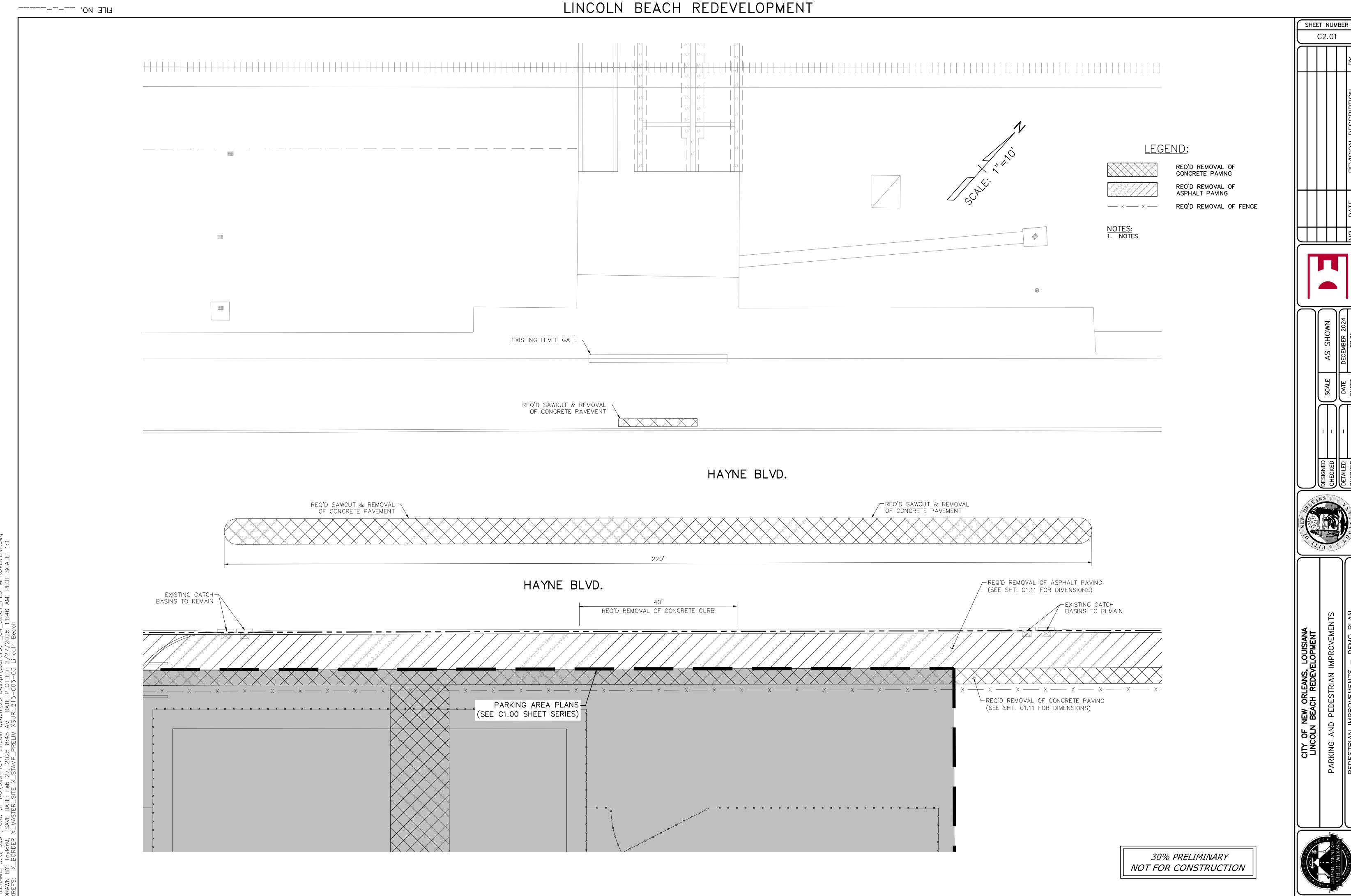
**NYLOPLAST DRAIN BASIN** 

## **NOTES**

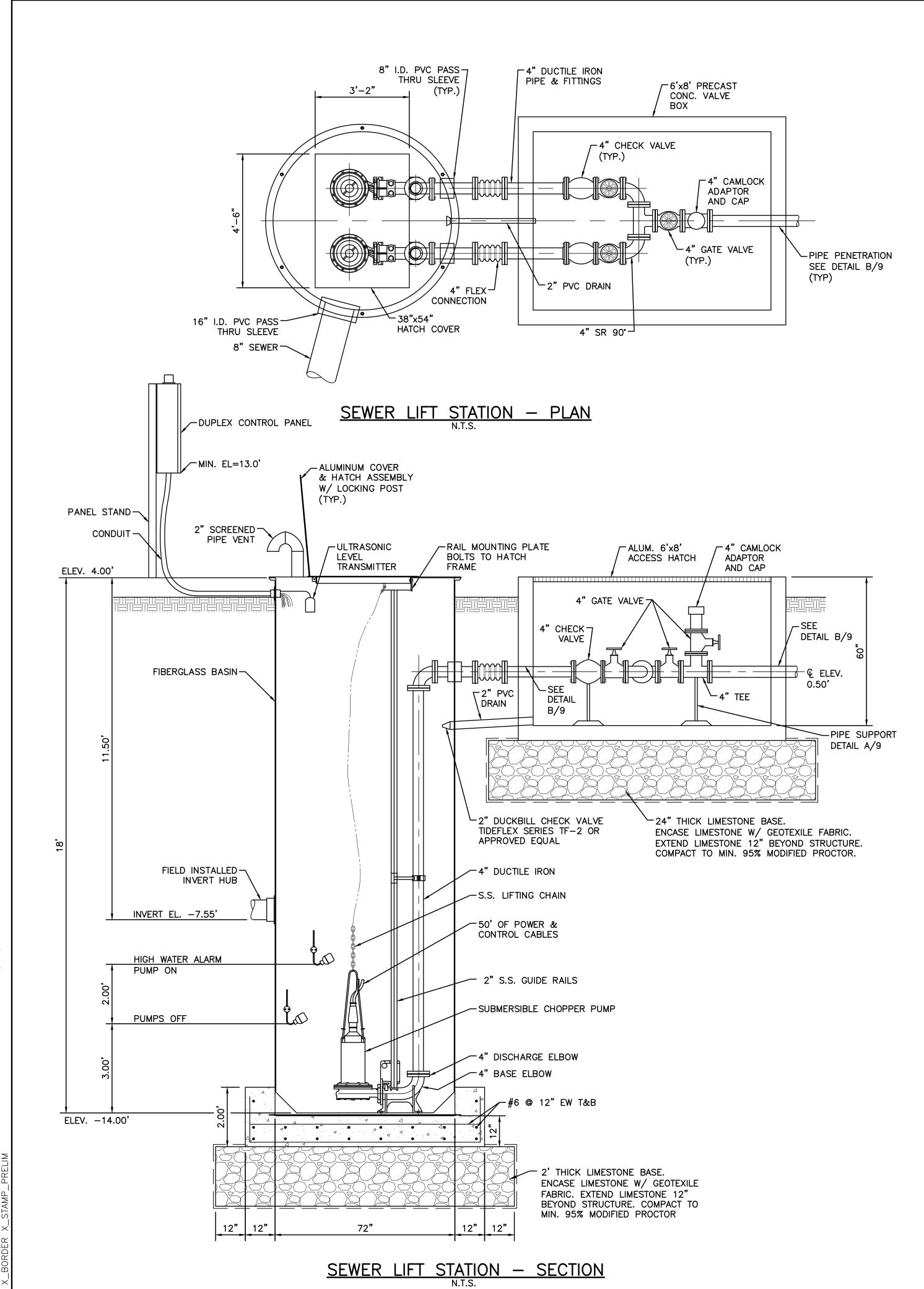
- 1. 8-30" (200-750 mm) GRATES/SOLID COVERS SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05
- 2. 12-30" (300-750 mm) FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05 3. DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS
- 4. DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212
- FOR CORRUGATED HDPE (ADS & HANCOR DUAL WALL) & SDR 35 PVC
- 5. FOR COMPLETE DESIGN AND PRODUCT INFORMATION: WWW.NYLOPLAST-US.COM
- 6. TO ORDER CALL: **800-821-6710**

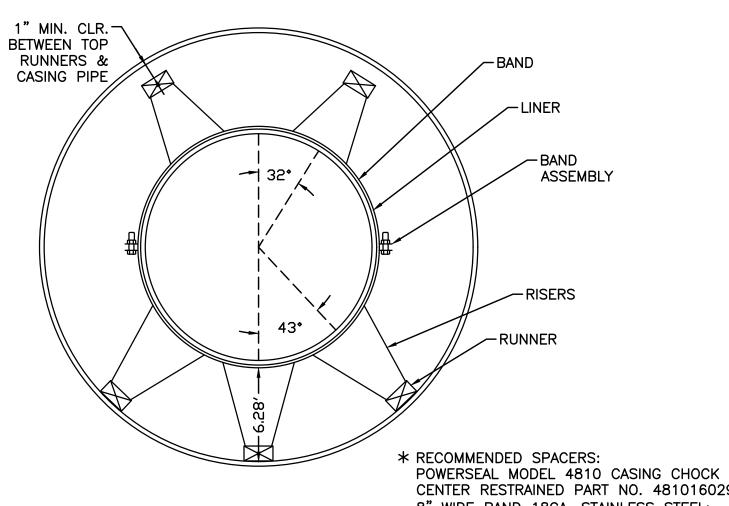
Α	PART#	GRATE/S	GRATE/SOLID COVER OPT		
8" (200 mm)	2808AG	PEDESTRIAN LIGHT DUTY	1		
10" (250 mm)	2810AG	PEDESTRIAN LIGHT DUTY	STANDARD LIGHT DUTY	SOLID LIGHT DUTY	
12"	2812AG	PEDESTRIAN	STANDARD AASHTO	SOLID	
(300 mm)		AASHTO H-10	H-20	AASHTO H-20	
15"	2815AG	PEDESTRIAN	STANDARD AASHTO	SOLID	
(375 mm)		AASHTO H-10	H-20	AASHTO H-20	
18"	2818AG	PEDESTRIAN	STANDARD AASHTO	SOLID	
(450 mm)		AASHTO H-10	H-20	AASHTO H-20	
24"	2824AG	PEDESTRIAN	STANDARD AASHTO	SOLID	
(600 mm)		AASHTO H-10	H-20	AASHTO H-20	
30"	2830AG	PEDESTRIAN	STANDARD AASHTO	SOLID	
(750 mm)		AASHTO H-20	H-20	AASHTO H-20	

SHEET 6 OF 6



NOT FOR CONSTRUCTION





CARRIER PIPE,

CENTER RESTRAINED PART NO. 4810160290CA; 8" WIDE BAND 18GA. STAINLESS STEEL; RUNNERS 2" WIDE x 1" MOLDED GLASS REINFORCED NYLON; 3 RUNNERS ON BOTTOM, CASING SPACER AND 2 ON TOP; TOP & BOTTOM RISERS 14GA. STAINLESS STEEL; 3 CASING SPACER UNITS PER 20 FEET.

GENERAL NOTES:

1. CONTRACTOR SHALL VERIFY THE OUTSIDE DIAMETER OF THE CARRIER PIPE AND INSIDE OF DIAMETER OF THE CASING PIPE FOR

COMPATIBILITY WITH SPACER. 2. WELD SECTIONS OF CASING PIPE TOGETHER TO PROVIDE WATERTIGHT JOINTS BY OPERATORS QUALIFIED IN ACCORDANCE WITH THE AMERICAN WELDING SOCIETY STANDARD PROCEDURES. WELDS SHALL BE CONTINUOUS, COMPLETE JOINT PENETRATION BUTT JOINT WIELDS AS

REQUIRED FOR RIGID AND WATERTIGHT CONNECTIONS. 3. CASING END SEALS SHALL BE PROVIDED AT THE END OF THE CASING PIPE AFTER INSTALLATION OF THE CARRIER PIPE. END SEALS SHALL BE MADE OF SYNTHETIC RUBBER, CONICAL SHAPE, PULL-ON OR

WRAP-AROUND STYLE WITH TYPE 304 STAINLESS STEEL BANDS. 4. 30"ø STEEL CASING PIPE: ASTM A53, GRADE B

MINIMUM YIELD STRENGTH: 35,000 PSI MINIMUM WALL THICKNESS: 0.505"

5. UPON PROJECT COMPLETION; THE CARRIER PIPES WILL BE REMOVED FROM THE 30" CASING PIPES AND PROPERLY DISPOSED OF; THE EXISTING 30" Ø CARRIER PIPES WILL BE FILLED WITH FLOWABLE FILL PER SECTION 710 OF THE 2016 LOUISIANA DOTD STANDARD SPECIFICATION, THEN ABANDONED.

6. UPON COMPLETION THE SUPPORT OF EXCAVATION WILL BE REMOVED OR ABANDONED IN PLACE BY CUTTING OFF STEEL SHEETS 3' BELOW GRADE. THE JACK AND RECEIVING PITS WILL BE BACKFILLED IN ACCORDANCE WITH LADOTD STANDARD SPECIFICATION.

CONTRACTOR SHALL VERIFY EXISTING 16" WATER LINE DEPTH AND ADJUST ELEVATION OF CASING PIPE TO MEET 3' MINIMUM CLEARANCE.

8. OPTIONAL TEMPORARY COMMUNICATION LINE TO BE USED FOR CONSTRUCTION MAY BE INSTALLED IN VOID BETWEEN CARRIER AND CASING PIPE. COMMUNICATION LINE WILL BE REMOVED PRIOR TO ABANDONMENT. COMMUNICATION LINE DESIGN BY OTHERS.

SHEET NUMBER C3.11

SHEET NUMBER

C3.12

#### 1. <u>GENERAL CONDITIONS</u>

- 1.1. THESE NOTES SUPPLEMENT THE SPECIFICATIONS, WHICH SHALL BE REFERRED TO FOR ADDITIONAL REQUIREMENTS.
- 1.2. DO NOT SCALE DRAWINGS FOR THE PURPOSE OF ESTABLISHING DIMENSIONS.
- 1.3. VERIFY EXISTING CONDITIONS AND DIMENSIONS PRIOR TO BEGINNING WORK OR FABRICATING MATERIALS.
- 1.4. SEE ARCHITECTURAL DRAWINGS FOR ALL WATERPROOFING AND DAMP PROOFING DETAILS.
- 1.5. CHECK ALL DIMENSIONS ON STRUCTURAL DRAWINGS AGAINST ARCHITECTURAL AND BRIDGE MANUFACTURER'S DRAWINGS.
- 1.6. COORDINATE WITH THE ARCHITECTURAL, MECHANICAL, PLUMBING, ELECTRICAL, AND CIVIL DRAWINGS, AND VERIFY THE LOCATION OF ALL CHASES, INSERTS, OPENINGS, SLEEVES, FINISHES, DEPRESSIONS, PADS, WALL OPENINGS, AND OTHER PROJECT REQUIREMENTS.
- 1.7. REFERENCE ARCHITECTURAL AND MECHANICAL PLANS FOR VERIFICATION OF ALL BOLTS, BLOCKING, ANCHORS, ETC., AND THE ANCHORAGE OF THEIR RESPECTIVE ITEMS.
- 1.8. CONSTRUCTION MATERIALS SHALL BE SPREAD OUT SUCH THAT LOAD DOES NOT EXCEED THE DESIGNED LIVE LOAD PER SQUARE FOOT. PROVIDE ADEQUATE SHORING AND/OR BRACING WHERE STRUCTURE HAS NOT OBTAINED DESIGN STRENGTH.

### 2. <u>DESIGN CRITERIA</u>

2.1. WHERE APPLICABLE, ALL DESIGN LOADS USED COMPLY WITH THE 2021 INTERNATIONAL BUILDING CODE AND ASCE 7-16.

2.2. LIVE LOADS (LL) STAIRS/RAMP PEDESTRIAN BRIDGE	90 PS 90 PS
2.3. SNOW GROUND SNOW LOAD, Pg	0 PS
2.4. WIND  V <sub>ULT</sub> (3 SECOND GUST)  V <sub>ASD</sub> RISK CATEGORY  WIND EXPOSURE	142 M 110 M II D

	V <sub>ULT</sub> (3 SECOND GUST)	142 MPH
	$V_{ASD}$	110 MPH
	RISK CATEGORY	II
	WIND EXPOSURE	D
2.5.	SEISMIC	
	RISK CATEGORY	II
	SITE CLASS	D
	SEISMIC DESIGN CATEGORY	В
	$S_S$ (PERIOD = $0.2_S$ )	0.087
	S1 (PERIOD = $1.0_{S}$ ) PROCEDURE	0.054 EQUIVALENT LATERAL FORCE

#### 3. <u>CONCRETE</u>

- 3.1. WHERE APPLICABLE, ALL DESIGN LOADS USED COMPLY WITH THE 2021 INTERNATIONAL BUILDING CODE AND ASCE 7-16.
- 3.2. ALL CONCRETE WORK SHALL CONFORM TO ALL REQUIREMENTS OF ACI 318-19 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE".

```
A. CONCRETE COMPRESSIVE STRENGTH (UNO)
                                          4000 PSI
B. PRECAST
                                          5000 PSI
                                          ASTM A615 GRADE 60
C. REINFORCING STEEL
                                          ASTM 185
```

### 4. <u>STRUCTURAL STEEL</u>

D. WELDED WIRE FABRIC

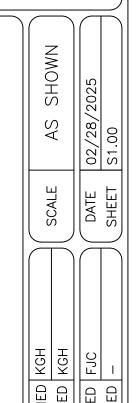
4.1. FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE AISC "CODE OF STANDARD PRACTICE FOR STEEL BUILDING AND BRIDGES", DATED JUNE 15, 2016.

		<u>Fy (KSI)</u>	<u>SPEC</u>
A.	STRUCTURAL STEEL (UNO)	36 (MIN)	ASTM A36 (MIN)
В.	WELDING ELECTRODES	E70XX SERIES	AWS D1.1 CH. 5
C.	STEEL PLATE	50 (MIN)	ASTM A572, 50KSI (MIN)
D.	BOLTS, HOT DIP GALVANIZED	90	ASTM A325
E.	HPILES	50	ASTM A572

- 4.1. CHAMFER ALL EXPOSED EXTERNAL CORNERS 3/4" WITH A 45 CHAMFER, (U.N.O).
- 4.2. ALL WELDED CONNECTIONS SHALL BE FULL PENETRATION AND SHALL DEVELOP FULL CAPACITY OF MEMBERS (U.N.O.) AND SHALL BE IN ACCORDANCE WITH AWS D1.1 (LATEST) CODE.
- 4.3. ALL WELDS SHALL BE PERFORMED IN ACCORDANCE WITH AWS D1.1 AND D1.4, LATEST EDITIONS, AND SHALL BE PERFORMED BY AWS CERTIFIED WELDERS.

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				02/28/2025	DATE	
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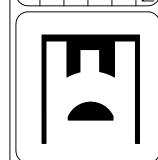








SCALE: 1" = 40'





30% PRELIMINARY NOT FOR CONSTRUCTION

Engineering Consultants, LL

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Metairie, LA www.infinityec.com

SHEET NUMBER

S1.02

### **GENERAL SITE NOTES:**

- 1. ALL EXISTING SURFACE AND SUBSURFACE UTILITIES ARE TO BE VERIFIED IN THE FIELD PRIOR TO CONSTRUCTION
- 2. CONTRACTOR TO CALL "LOUISIANA ONE CALL" AT 1-800-272-3020 AT LEAST 5 WORKING DAYS BEFORE SCHEDULED DIGGING IN ORDER TO HAVE UNDERGROUND UTILITIES AND FACILITIES MARKED.
- 3. CONTRACTOR SHALL BEAR THE FULL RESPONSIBILITY OF VERIFYING LOCATIONS OF EXISTING SURFACE AND SUB-SURFACE SITE ELEMENTS AND UTILITIES.
- 3.1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO SAID UTILITIES.
- CONTRACTOR SHALL ALLOW ADEQUATE TIME, IN THE CONSTRUCTION SCHEDULE, FOR FIELD VERIFICATION AND POTENTIAL DESIGN REVISIONS.
- 4. REFER TO WRITTEN SPECIFICATION FOR MORE DETAILED MATERIAL AND CONSTRUCTION REQUIREMENTS.
- 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FINAL DIMENSIONS AND FIT-UP OF THE STRUCTURE, INCLUDING VERIFYING ALL EXISTING CONDITIONS AND DIMENSIONS BEFORE COMMENCING WORK.
- 6. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL DIMENSIONS AND ELEVATIONS WITH DRAWINGS BEFORE STARTING WORK
- 7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN PLACEMENT, MAINTENANCE, ETC. OF ANY AND ALL SHORING, BRACING, TIE BACKS, ETC. NEEDED TO SUPPORT ANY PART OF THE NEW OR EXISTING CONSTRUCTION DURING THE ENTIRE CONSTRUCTION PROCESS TO ENSURE THE SAFETY AND INTEGRITY OF THE STRUCTURE UNTIL THE NECESSARY PERMANENT ELEMENTS ARE IN PLACE.
- UNLESS NOTED OTHERWISE, DETAILS SHOWN ON ANY DRAWING ARE TO BE CONSIDERED TYPICAL FOR ALL SIMILAR CONDITIONS.
- 9. CONTRACTOR MUST TAKE REASONABLE MEASURES TO ENSURE DEBRIS STAY WITHIN THE PROJECT AREA AND DOES NOT FALL INTO LAKE PONTCHARTRAIN.
- 10. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE ALL APPROPRIATE PERMITS ARE OBTAINED PRIOR TO COMMENCEMENT OF
- **OPERATIONS** 11. THE CONTRACTOR SHALL NOT DEPOSIT ANY EXCAVATED MATERIAL INTO THE WATERS OR WETLANDS WITHOUT A PERMIT FROM THE APPROPRIATE AGENCY.

### SITE DEMOLITION AND PROTECTION NOTES:

- 1. EXISTING SITE ELEMENTS SHALL REMAIN AND BE PROTECTED UNLESS DESIGNATED FOR REMOVAL
- 2. PROTECTION OF EXISTING FACILITIES AND SITE FEATURES SHALL INCLUDE ENTIRETY OF STRUCTURE, BOTH SURFACE AND SUB-SURFACE, UNLESS OTHERWISE NOTED
- 2.1. ALL EXISTING SITE ELEMENTS DESIGNATED AS REMAINING AND/OR PROTECTED SHALL BE CLEANED BY THE CONTRACTOR PRIOR TO FINAL ACCEPTANCE OF SITE WORK.
- WHEN CLEANING EXISTING SITE ELEMENTS, THE CONTRACTOR SHALL UTILIZE INDUSTRY STANDARDS AND RECOMMENDED PRACTICES FOR THE MATERIAL.
- DEMOLITION AND REMOVAL OF EXISTING FACILITIES SHALL INCLUDE ENTIRETY OF STRUCTURE, BOTH SURFACE AND SUB-SURFACE, UNLESS OTHERWISE NOTED.
- 4. ALL CONCRETE AND ASPHALT REMOVAL SHALL BE SAW CUT. EDGES OF MATERIAL TO REMAIN SHALL BE SHORED UP AND PROTECTED DURING CONSTRUCTION TO PRESERVE EDGE INTACT, REPAIRS TO DAMAGED EDGES TO BE DONE WITH CARE AND AT NO COST TO THE OWNER.
- 5. SALVAGE EXISTING MATERIALS AS INDICATED ON THE PLANS. REMOVE SALVAGED MATERIALS AS INDICATED WITH CARE AND STORE ON OR OFF SITE: CLEAN ALL DEBRIS AND CONSTRUCTION MATERIAL FROM SALVAGED ITEMS: REUSE AS DIRECTED BY HISTORIC AGENCY.
- DISPOSAL BY BURNING AND/OR BURYING IS PROHIBITED.
- 7. DEBRIS GENERATED BY DEMOLITION OR FOUND WITHIN THE CONFINES OF THE PROJECT SHALL BE REMOVED FROM THE SITE AS WASTE MATERIAL.
- 8. ITEMS ENCOUNTERED BELOW GRADE AND NOT SHOWN ON THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY, PRIOR TO CONTINUATION OF WORK.
- 9. REFER TO DEMO PLAN FOR INFORMATION REGARDING THE DEMOLITION AND/OR PROTECTION OF SITE UTILITIES.

### HISTORICAL NOTES:

- 1. LINCOLN BEACH IS HISTORICAL SITE SHALL BE PRESERVED TO MAINTAIN HISTORICAL ACCURACY.
- 2. CONTRACTOR SHALL BE REQUIRED TO MONITOR BELOW GRADE DEMOLITION/CONSTRUCTION ACTIVITIES IN ARCHAEOLOGY SENSITIVE AREAS.
- 3. IF ARCHAEOLOGIST ARTIFACTS ARE DISCOVERED DURING THE COURSE OF WORK, THE CONTRACTOR, MUST STOP WORK IN THE VICINITY OF THE DISCOVERY AND TAKE ALL REASONABLE MEASURES TO AVOID OR MINIMIZE HARM TO THE FINDS. THE CONTRACTOR WILL NOT PROCEED WITH WORK UNTIL THE CITY ARCHAEOLOGIST IS CALLED.
- 4. HISTORICAL ITEMS THAT HAS BEEN LABEL AS TO BE SALVAGE SHALL BE REMOVED VIA NON-INVASIVE METHODS TO PROTECT THE STRUCTURE.
- 5. HISTORICAL ITEMS SHALL BE STORED SECURELY ON SITE TO MINIMIZE DAMAGE UNTIL THE ITEMS CAN BE SAFELY TRANSPORTED TO OFF-SITE STORAGE LOT AT XXXX.

### LAYOUT AND STAKING NOTES:

- 1. ON-SITE VERIFICATION OF ALL DIMENSIONS AND CONDITIONS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
- 2. DISCREPANCIES BETWEEN NOTED DIMENSIONS, DRAWING SCALE AND/OR FIELD CONDITIONS MUST BE RESOLVED WITH THE ENGINEER PRIOR TO CONSTRUCTION OF THE SITE ELEMENT(S) IN QUESTION.
- 3. DIMENSIONS ANNOTATED ON ADDENDA AND CLARIFICATIONS TAKE PRECEDENT OVER PREVIOUS DOCUMENTS.
- 4. CONTRACTOR TO LAY OUT SITE ELEMENTS AND VERIFY LAYOUT IN THE FIELD WITH ENGINEER PRIOR TO CONSTRUCTION.
- 5. WHERE DIMENSIONS ARE CALLED AS "EQUAL." SPACE REFERENCED ITEMS EQUALLY, MEASURED TO THEIR CENTER LINES.
- 6. MEASUREMENTS ARE TO FACE OF BUILDING, WALL OR FIXED SITE
- IMPROVEMENT. DIMENSIONS TO CENTER LINES IS AS INDICATED. 7. INSTALL INTERSECTING ELEMENTS AT 90 DEGREE ANGLES TO EACH OTHER, UNLESS OTHERWISE NOTED.
- 8. PROVIDE EXPANSION JOINTS WHERE CONCRETE FLATWORK MEETS VERTICAL STRUCTURES SUCH AS WALLS, CURBS, STEPS AND BUILDING ELEMENTS.

### SITE SOIL PREPARATION NOTES:

- 1. DURING THE DEMOLITION AND EXCAVATION PHASE, REMOVE EXISTING SITE SOIL AND STOCKPILE THE SOIL (ON-SITE OR OFF-SITE) IN A SECURE LOCATION. STOCKPILED SOIL SHALL BE AMENDED AND INCORPORATED BACK INTO THE PLANTING AREAS AT A LATER DATE. REFER TO SPECIFICATIONS FOR ADDITIONAL DETAIL.
- 1.1. SOIL AMENDMENTS SHOULD BE ADDED DURING THE STOCKPILE PERIOD OR AFTER INITIAL SOIL DE-COMPACTION PROCEDURES ARE PERFORMED. THE ADDITION OF SOIL AMENDMENTS IS DETERMINED FROM SOIL TESTS CONDUCTED PRIOR TO WORK COMMENCING. SOIL AMENDMENT MAY INCLUDE:
- 1.1.1. INORGANIC MATERIAL SUCH AS SAND, SILT, OR CLAY ORGANIC MATERIAL SUCH AS COMPOST, MANURE, ETC. FERTILIZERS SUCH AS UREA, AMMONIUM NITRATE, AMMONIUM
- SULFATE, POTASSIUM NITRATE, ETC. 2. THE CONTRACTOR SHALL CONDUCT AN EVALUATION OF THE EXCAVATED SOILS TO DETERMINE THE SOIL'S COMPOSITION, COMPACTION RATE, NUTRIENT QUALITIES, ORGANIC CONTENT, PH LEVELS, AND CONDUCTIVITY. THIS EVALUATION WILL HELP THE LANDSCAPE ARCHITECT DETERMINE STEPS NECESSARY TO BRING THE EXISTING SITE SOIL INTO COMPLIANCE WITH THE PERFORMANCE REQUIREMENTS SPECIFIED.
- 3. CONTRACTOR TO ENSURE SOILS LOCATED WITHIN PLANTING AREAS ARE DE-COMPACTED, DE-COMPACTION MAY BE ACHIEVED USING A ROTO-TILLING, DISKING, OR RIPPING TO A DEPTH OF AT LEAST 9 INCHES.
- 3.1. WHEN PERFORMING SOIL DE-COMPACTION, MULTIPLE PASSES ACROSS THE AREA WILL BE REQUIRED AND. WHEN POSSIBLE, SHOULD BE AT VARYING ANGLES TO ENSURE ADEQUATE COVERAGE
- 3.2. WHEN USING DISC OR RIPPING EQUIPMENT, IT IS REQUIRED THAT THE FINAL PASSES OVER THE AREA BE MADE WITH A ROTO-TILLER TO BREAK UP ANY LARGE CLUMPS TO MAKE FINAL GRADING
- 4. CONTRACTOR TO ENSURE ALL DEBRIS OVER 2" IN DIAMETER HAS BEEN REMOVED FROM THE SOIL(S).
- 5. CONTRACTOR TO ENSURE THAT ALL SOIL AMENDMENTS ARE MIXED THOROUGHLY WITH THE EXISTING SOIL. AN ADDITIONAL SOIL TEST WILL BE TAKEN BY THE CONTRACTOR TO ENSURE PROPER SOIL CONDITIONS PRIOR TO PLANTING.
- 6. DURING THE REMAINDER OF THE PLANTING INSTALLATION, VARIOUS AREAS OF THE SITE MAY BE RE-COMPACTED DUE TO THE USE OF EQUIPMENT AND VEHICLES. THIS COMPACTION IS TYPICALLY ISOLATED WITHIN THE UPPER 4-6" OF THE SOIL. CONTRACTOR TO ENSURE THAT PRIOR TO THE INSTALLATION OF PLANT MATERIAL IN THESE AREAS. THE COMPACTION IS REDUCED TO 80% OR LESS USING PREVIOUSLY DESCRIBED METHODS.

### **STEEL NOTES:**

- 1. A.I.S.C. SPECIFICATIONS; STEEL CONSTRUCTION MANUAL 13TH EDITION; ALL WIDE FLANGE SHAPES ASTM A992 GRADE 50, ALL MISCELANEOUS SHAPES ASTM A36. HSS SHAPES ASTM A 500 GRADE B Fv=46 ksi' STEEL PIPE ASTM A53 GRADE B Fy=35ksi; HIGH STRENGTH BOLTS A325, 3/4" DIAMETER MIN. EXCEPT AS OTHERWISE NOTED; ANCHOR RODS AND BOLTS ASTM F1554 GRADE 36 EXCEPT AS NOTED OTHERWISE; AUTOMATICALLY END WELDED SHEAR CONNECTORS (A.E.W.S.C.) AS MANUFACTURED BY NELSON STUDS OR APPROVED EQUAL: E-70 ELECTRODES.
- 2. ALL STRUCTURAL STEEL ITEMS AND RESPECTIVE ANCHORS AND FASTENERS PERMANENTLY EXPOSED TO WEATHER SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A123. PROVIDE VENT HOLES AS REQUIRED. TOUCH UP ALL DAMAGED COATING WITH STICK GALVANIZING.

- **CONCRETE NOTES:** ALL CONCRETE WORK SHALL CONFORM TO ACI 201 SPECIFICATIONS
- FOR STRUCTURAL CONCRETE FOR BULIDINGS CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000
- PSI AT 28 DAYS WITH A 5" SLUMP CONCRETE SHALL BE NORMAL WEIGHT OF 150 LBS. PER CUBIC FOOT
- AND SHALL CONFORM TO THE LATEST ACI 301 SPECIFICATION. PORTLAND CEMENT SHALL CONFORM TO ASTM C150, TYPE I OR II.
- AGGREGATE FOR NORMAL WEIGHT CONCRETE SHALL MEET ASTM C33. REINFORCING STEEL SHALL BE IN ACCORDANCE WITH ASTM A615 GRADE 60, WELDED WIRE FABRIC (WWF) SHALL BE IN ACCORDANCE WITH
- ASTM 185. WIRE SHALL CONFORM TO ASTM A82. 7. REINFORCING STEEL SHALL BE SPLICED WITH A CLASS "B" SPLICE IN ACCORDANCE WITH THE CURRENT ACI 318.
- 8. REINFORCING FABRIC ON GRADE SHALL BE CHAIRED WITH 3000 PSI CONCRETE BRICKETTES SPACED TO ADEQUATELY SUPPORT THE REINFORCING, BUT NOT GREATER THAN 3'-0" O.C. EACH WAY. LAP ALL
- FABRIC ONE WIRE SPACING PLUS 6 INCHES. 9. PROVIDE A 90 DEGREE HOOK ON ALL TOP REINFORCEMENT IN ALL BEAMS AT DISCONTINUOUS ENDS AND LAP SPLICE 30 BAR DIAMETERS AT MID SPAN. CONTINUOUS BOTTOM BARS SHALL BE LAP SPLICED 6" AT
- CENTER OF SUPPORT. 10. EXCEPT AS NOTED OTHERWISE WHERE CONTINUOUS REINFORCING IS SPECIFIED, HOOK BARS AT NON-CONTINUOUS ENDS, LAP BARS AS
- INDICATED BELOW: A. #3 1'-3"
- #4 1'-8"
- #5 2**'**-2**"**
- 11. PROVIDE TWO (2) #5, 4'-0" LONGER THAN OPENING DIMENSION ON ALL SIDES OF OPENING IN SLAB
- 12. PROVIDE THE FOLLOWING COVER FOR REINFORCING:
- FOOTINGS AND GRADE BEAMS: 3"
- FORMED SURFACES EXPOSED TO SOIL: 2"
- BEAMS, COLUMNS, AND WALLS: 1 1/2"
- SLABS: 1"
- 13. DO NOT PENETRATE OR MAKE HOLES OR OPENINGS THROUGH FOUNDATION AND/OR FOOTINGS WITHOUT ENGINEER'S APPROVAL.
- 14. EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 3/4"

### **ENVIRONMENTAL NOTES:**

- 1. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE ALL APPROPRIATE PERMITS ARE OBTAINED PRIOR TO COMMENCEMENT OF OPERATIONS.
- THE CONTRACTOR SHALL TAKE PRECAUTIONS TO PREVENT POLLUTION OF WATERS AND WETLANDS WITH FUELS, OILS, ASPHALTS, CHEMICALS, OR OTHER HARMFUL MATERIALS AND TO PREVENT POLLUTION OF THE ATMOSPHERE FROM PARTICULATE AND GASEOUS MATTER.
- 3. SHOULD THE CONTRACTOR SINK, LOSE, THROW OVERBOARD ANY MATERIAL, DEBRIS, MACHINERY, OR EQUIPMENT INTO THE WATERS AND WETLANDS. THE CONTRACTOR SHALL RETRIEVE THE OBJECT AT NO ADDITIONAL COST AND NOTIFY THE PROPER AUTHORITIES OF ANY POTENTIAL HAZARDS.

### LEGEND

DEMOLITION

EXISTING 29"x21" PILASTER @ 20' OC

——X—— PROPOSED FENCE

DAMAGE / BROKEN FENCE

SECTION

CONCRETE

PROPERTY LINE

· · · · · · · BURIED FENCE

EXISTING FENCE

EXISTING 15"x45" RECTANGLE COLUMN @ 20' OC

HISTORICAL TILE

EARTHWORK / FILL

PROPOSED CONCRETE SLAB

PROPOSED 29"x21" PILASTER

EXISTING TIMBER PILES

RESTORED CONCRETE ROOF W/ HIGH STRENGTH EPOXY

EXISTING POOL COVERED W/ FOLIAGE

EXISTING 14" Ø CIRCLE COLUMN @ 20' OC 

SHEET NUMBER

S2.01

30% - PRELIMINARY NOT FOR CONSTRUCTION

WINGATE ENGINEERS, LLC ENGINEER: TATIANA D. LEWIS, PE LICENSE #: 49524 DATE: 02/28/2025





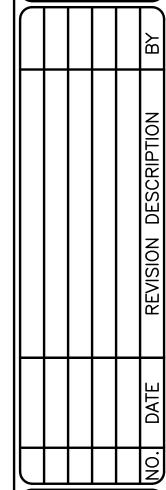
NOTES:

1. THE HISTORICAL NATURE OF LINCOLN BEACH IS DUE TO THE ARCHITECTURAL STYLE. DUE TO THIS, CHANGING THICKNESS OF MATERIAL SHALL NOT BE DONE UNLESS THE STRUCTURAL ENGINEER DEEMS NECESSARY. IF STRUCTURE INSTABILITY IS OF CONCERN, THE CONTRACTOR IS TO BRACE THE STRUCTURE AND CONTACT THE STRUCTURAL ENGINEER.

2. HAYNE BLVD IS A FEMA RECOGNIZED HISTORICAL SENSITIVE AREA. HAYNE BLVD IS WAS ONE OF THE MAIN ROUTES TO LEAVE THE NEW ORLEANS AREA. ARCHEOLOGICAL ITEMS HAS BEEN FOUND DURING PRIOR EXCAVATION SITE ALONG HAYNES.

3. THE HISTORICAL IMAGES 2-6 ARE A SNAP SHOT IN TIME TO SHOWCASE THE HISTORICAL ARCHITECTURAL STYLE OF LINCOLN BEACH PRIOR TO CLOSING OF SITE AND THE DETERIORATING

BEACH PRIOR TO CLOSING OF SITE AND THE DETERIORATING FACILITIES. THESE IMAGES SHALL NOT BE USE AS PROPOSED DESIGN ELEMENTS.



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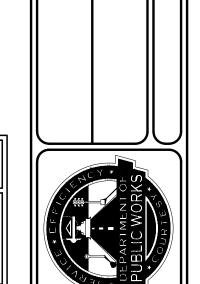


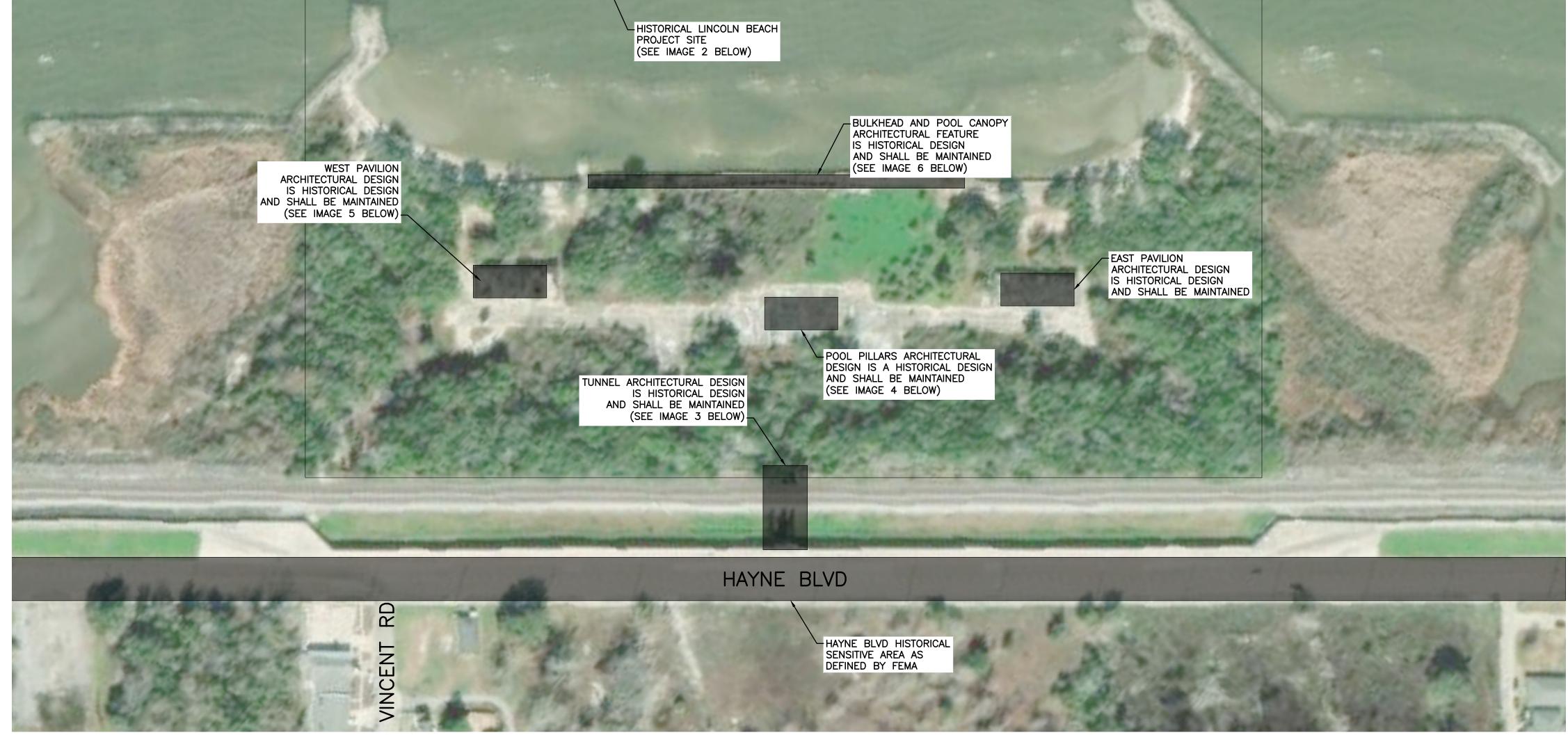


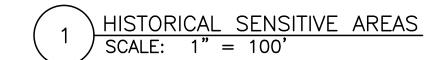
HISTORICAL PHOTO OF BULKHEAD SCALE: N.T.S.

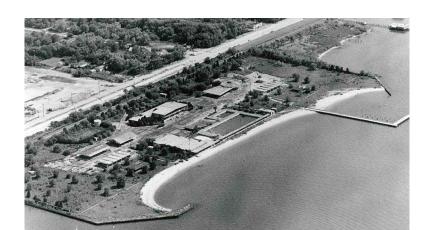
30% — PRELIMINARY NOT FOR CONSTRUCTION

WINGATE ENGINEERS, LLC ENGINEER: TATIANA D. LEWIS, PE LICENSE #: 49524 DATE: 02/28/2025











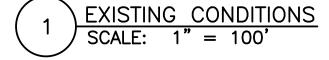


HISTORICAL PHOTO OF TUNNEL SCALE: N.T.S.



HISTORICAL PHOTO OF POOL AND CANOPY SCALE: N.T.S.

5 HISTORICAL PHOTO OF WEST PAVILION SCALE: N.T.S.





EXISTING BEACH ENTRY POINT

EXISTING MINOR

DISJOINTMENT WITH

VEGATION GROWTH

EXISTING DAMAGE -CONCRETE WALL



EXISTING TUNNEL JOINT CONDITION SCALE: N.T.S.



EXISTING DAMAGE PIER



EXISTING DAMAGE BRICK WALL

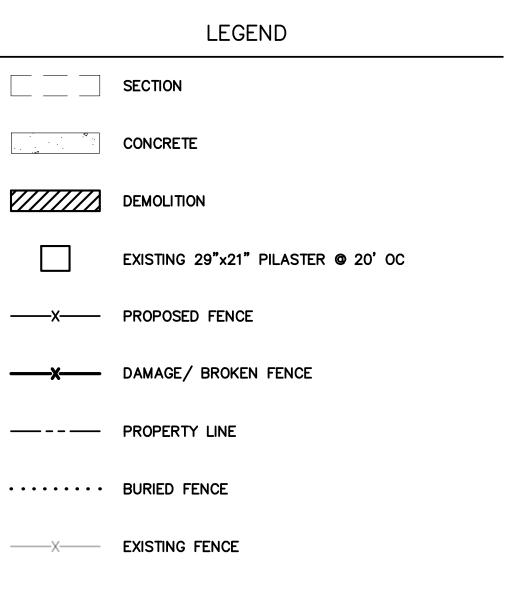


EXISTING NORTH SIDE TUNNEL CONDITION SCALE: N.T.S.





EXISTING BRICK WALL IN WETLANDS SCALE: N.T.S.



EXISTING 14" Ø CIRCLE COLUMN @ 20' OC

EXISTING 15"x45" RECTANGLE COLUMN @ 20' OC

EARTHWORK / FILL

EXISTING POOL COVERED W/ FOLIAGE

HISTORICAL TILE

SCALE: N.T.S.

EXISTING BRICK WALL POOL

CANOPY CONNECTION

1. THE BRICK WALL ALONG THE PERIMETER OF LINCOLN BEACH DOES VARY IN

CONDITION SEVERITY AND ENVIRONMENTAL FACTORS. THE CONTRACTOR MAY USE BRICK WALL'S IMAGE 4, SHOWN ABOVE, AS A GENERAL REPRESENTATION OF ALL SEGMENTS OF DAMAGE BRICK WALL CONDITION AND ENVIRONMENTAL FACTORS ALONG THE WESTERN, EASTERN, AND SOUTHERN PERIMETER OF LINCOLN BEACH.
 THE IMAGE 4 DOES REPRESENTS A SPECIFIC LOCATION ON THE WESTERN BRICK WALL ON LINCOLN BEACH PERIMETER, SHOWN IN IMAGE 1 ABOVE. THE IMAGE 4 SHALL NOT REPRESENTATION BURIED REMAINING NORTHERN OR

BRICK WALL ON LINCOLN BEACH PERIMETER, SHOWN IN IMAGE 1 ABOVE. THE IMAGE 4 SHALL NOT REPRESENTATION BURIED, REMAINING, NORTHERN OR SPECIFIC SEGMENTS LABELED AS ANOTHER IMAGE.

4. THE CONTRACTOR MAY USE IMAGE 2 AS A GENERAL REPRESENTATION OF THE NORTHERN NON—BURIED BRICK WALL CONDITION SEVERITY ONLY.

5. THE IMAGE 2 DOES REPRESENTS A SPECIFIC LOCATION ON THE NORTHERN BRICK WALL ON LINCOLN BEACH PERIMETER, SHOWN IN IMAGE 1 ABOVE. THE IMAGE 2 SHALL NOT REPRESENT NORTHERN BURIED OR REMAINING WALLS, WESTERN, SOUTHERN, OR EASTERN WALLS, GENERAL ENVIRONMENTAL FACTORS OF NORTHERN WALLS, OR SPECIFIC SECMENTS LABELED AS ANOTHER IMAGE.

OF NORTHERN WALLS, OR SPECIFIC SEGMENTS LABELED AS ANOTHER IMAGE.

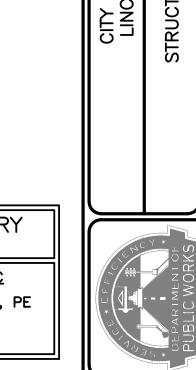
6. ALL IMAGES WITH EXCEPTION OF IMAGE 2 AND 4 SHALL NOT BE USED AS THE GENERAL CONDITIONS OR ENVIRONMENTAL FACTORS OF SIMILAR STRUCTURES.

7. IMAGE 1 IS AN ARIEL MAP OF LINCOLN BEACH USING ARCGIS SOFTWARE.

8. IMAGES 2—8 ARE PHOTOGRAPHS TAKEN OF THE SITE IN NOV. 2022 AND CONDITIONS OF STRUCTURES/ FACILITIES MAY HAVE CHANGED.

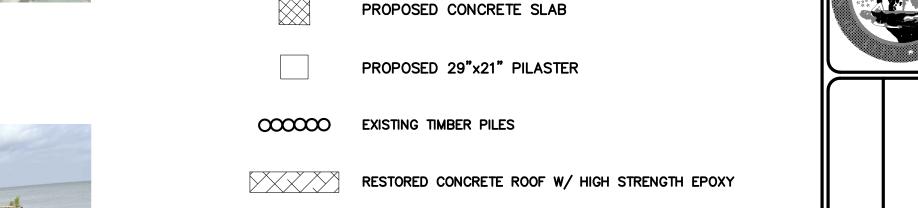
30% - PRELIMINARY NOT FOR CONSTRUCTION

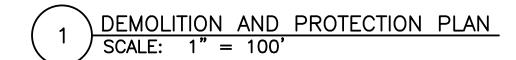
WINGATE ENGINEERS, LLC ENGINEER: TATIANA D. LEWIS, PE LICENSE #: 49524 DATE: 02/28/2025



SHEET NUMBER







SHEET NUMBER

### LEGEND

CONCRETE

DEMOLITION

EXISTING 29"x21" PILASTER @ 20' OC

——X—— PROPOSED FENCE

DAMAGE / BROKEN FENCE

--- PROPERTY LINE

• • • • • BURIED FENCE

EXISTING FENCE

EXISTING 14" Ø CIRCLE COLUMN @ 20' OC

EXISTING 15"x45" RECTANGLE COLUMN @ 20' OC

HISTORICAL TILE

EARTHWORK/ FILL

PROPOSED CONCRETE SLAB

PROPOSED 29"x21" PILASTER

OOOOO EXISTING TIMBER PILES

RESTORED CONCRETE ROOF W/ HIGH STRENGTH EPOXY

EXISTING POOL COVERED W/ FOLIAGE

1. THE CONTRACTOR MAY SALVAGE FENCE'S BRICKS. A CERTIFIED MASON MUST DETERMINE THE BRICKS MAY BE SALVAGED PRIOR TO USE.

2. THE BRICK FENCE IS NOT HISTORICAL, BUT THE DUE TO AGE OF THE BRICK FENCE, THE CONTRACTOR SHALL USE MEANS AND METHODS TO NOT DAMAGE OR CAUSE STRUCTURAL INSTABILITY TO THE FENCE AREA LABEL AS TO REMAIN REMAIN.

3. THE FOUNDATION OF ALL ITEMS TO BE REMOVED SHALL BE REMOVED WITH THE EXCEPTIONS FOR THE PAVILIONS AND TUNNEL.

4. ALL PILES ABOVE GRADE LEVEL SHALL BE CUT AND DEPOSED OF PROPERLY. 5. DURING CONSTRUCTION OF NEW BRICK FENCE NEAR TRAIN TRACKS, THE CONTRACTOR IS REQUIRED TO HAVE FLAGGERS. ALL CONSTRUCTION EQUIPMENT SHALL BE MAINTAINED WITHIN THE SITE AND SHALL NOT BE

PLACED ON TRAIN TRACKS. 6. DEBRIS GENERATED BY DEMOLITION OR FOUND WITHIN THE CONFINES OF THE PROJECT SHALL BE REMOVED FROM THE SITE AS WASTE MATERIAL. 7. A PERSON IN THE WATER SHALL BE CONSIDERED AS A PERSON OVERBOARD AND

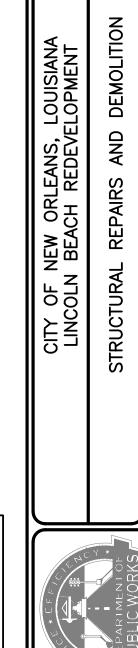
APPROPRIATE ACTION SHALL BE TAKEN. SWIMMING AND/OR DIVING SHALL BE PROHIBITED FOR ALL PERSONNEL UNLESS NECESSARY TO PREVENT INJURY OR LOSS OF LIFE.

8. CONTRACTOR SHALL TAKE REASONABLE SAFEGUARDS SUCH AS BARRIERS, CURBS, OR OTHER STRUCTURES TO PREVENT FRONT-END LOADERS, BULLDOZERS, TRUCKS, BACKHOES, TRACK HOES, AND SIMILAR OPERATING EQUIPMENT FROM FALLING INTO THE WATER.

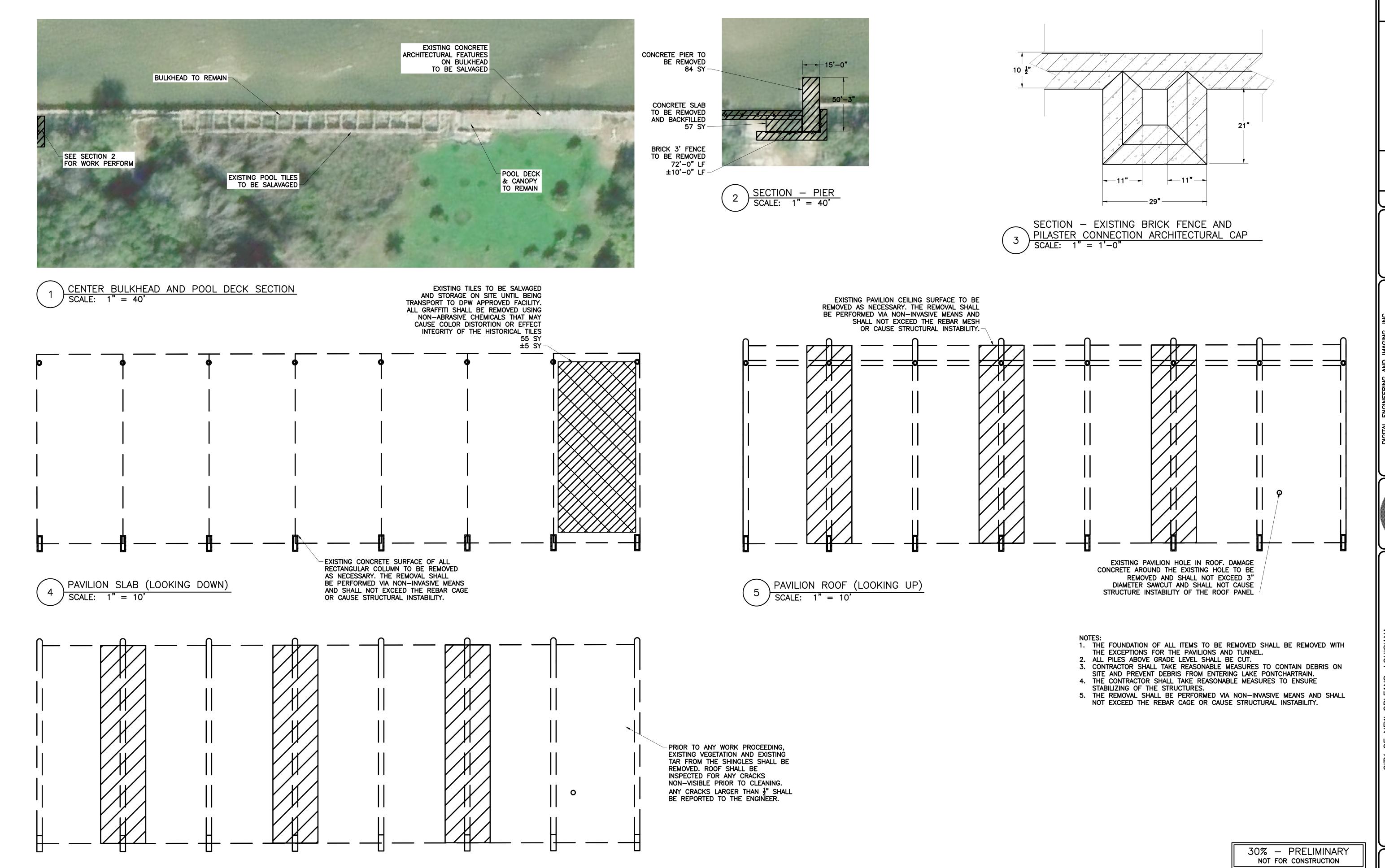
9. PRIOR TO WORK BEING PERFORMED ON PAVILIONS, INVESTIGATIONS OF THE PAVILIONS SHALL BE DONE. INVESTIGATIONS COULD INCLUDE BUT NOT LIMITED TO CORING, CHIPPING, SOUNDING, SCANNING, ETC OF THE PAVILIONS. THE AMOUNT OF INVESTIGATION REQUIRED SHALL BE DETERMINED BY SIMPSON STRONG TIE'S OR AN APPROVED EQUAL LICENSE STRUCTURAL ENGINEER TO ENSURE FRP COULD BE UTILIZED.

30% – PRELIMINARY NOT FOR CONSTRUCTION

> WINGATE ENGINEERS, LLC ENGINEER: TATIANA D. LEWIS, PE LICENSE #: 49524 DATE: 02/28/2025



PAVILION ROOF (LOOKING DOWN)

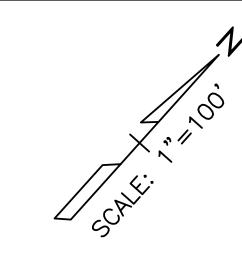


PUBLIC WORKS

WINGATE ENGINEERS. LLC
ENGINEER: TATIANA D. LEWIS, PE

LICENSE #: 49524 DATE: 02/28/2025

PROPOSED SITE PLAN
SCALE: 1" = 100'



## LEGEND

CONCRETE

DEMOLITION

EXISTING 29"x21" PILASTER @ 20' OC

——X—— PROPOSED FENCE

DAMAGE / BROKEN FENCE

— -- — PROPERTY LINE

• • • • • BURIED FENCE

EXISTING FENCE

EXISTING 14" Ø CIRCLE COLUMN @ 20' OC

EXISTING 15"x45" RECTANGLE COLUMN @ 20' OC

HISTORICAL TILE

EARTHWORK/ FILL

PROPOSED CONCRETE SLAB

PROPOSED 29"x21" PILASTER

OOOOOO EXISTING TIMBER PILES

RESTORED CONCRETE ROOF W/ HIGH STRENGTH EPOXY

EXISTING POOL COVERED W/ FOLIAGE

SHEET NUMBER

1. NEW BRICK FENCE SHALL MATCH EXISTING BRICK FENCE COLOR, HEIGHT,

AND GEOMETRY. 2. DURING CONSTRUCTION OF NEW BRICK FENCE NEAR TRAIN TRACKS, THE CONTRACTOR IS REQUIRED TO HAVE FLAGGERS. ALL CONSTRUCTION EQUIPMENT SHALL BE MAINTAINED WITHIN THE SITE AND SHALL NOT BE PLACED ON TRAIN TRACKS.

9. PRIOR TO WORK BEING PERFORMED ON PAVILIONS, INVESTIGATIONS OF THE PAVILIONS SHALL BE DONE. INVESTIGATIONS COULD INCLUDE BUT NOT LIMITED TO CORING, CHIPPING, SOUNDING, SCANNING, ETC OF THE PAVILIONS. THE AMOUNT OF INVESTIGATION REQUIRED SHALL BE DETERMINED BY SIMPSON STRONG TIE'S OR AN APPROVED EQUAL LICENSE STRUCTURAL ENGINEER TO ENSURE FRP COULD BE UTILIZED.

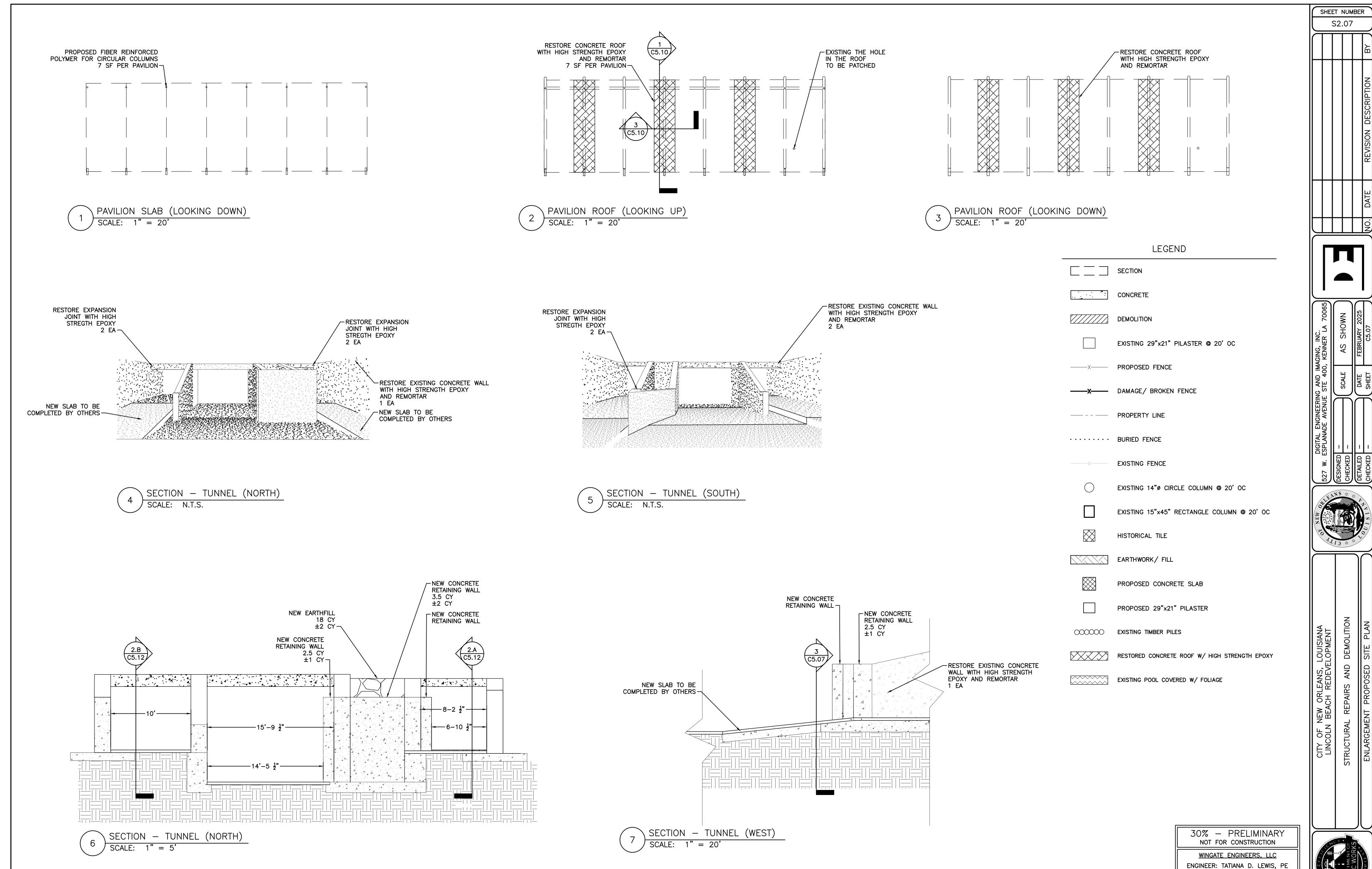
10. THE PRIMARY FOCUS FOR FRP IS TO STRENGTHEN THE COLUMNS. IF STRENGTHING IS NOT POSSIBLE MAINTAINING EXISTING LOADS IS NECESSARY. THE MINIMUM LOAD REQUIREMENT IS DEAD LOAD= 69 PSF, LIVE LOAD= 20 PSF, DESIGN WIND SPEED = 150 MPH

11. CONTRACTOR SHALL TAKE REASONABLE SAFEGUARDS SUCH AS BARRIERS, CURBS, OR OTHER STRUCTURES TO PREVENT FRONT-END LOADERS, BULLDOZERS, TRUCKS, BACKHOES, TRACK HOES, AND SIMILAR OPERATING EQUIPMENT FROM FALLING INTO THE WATER.

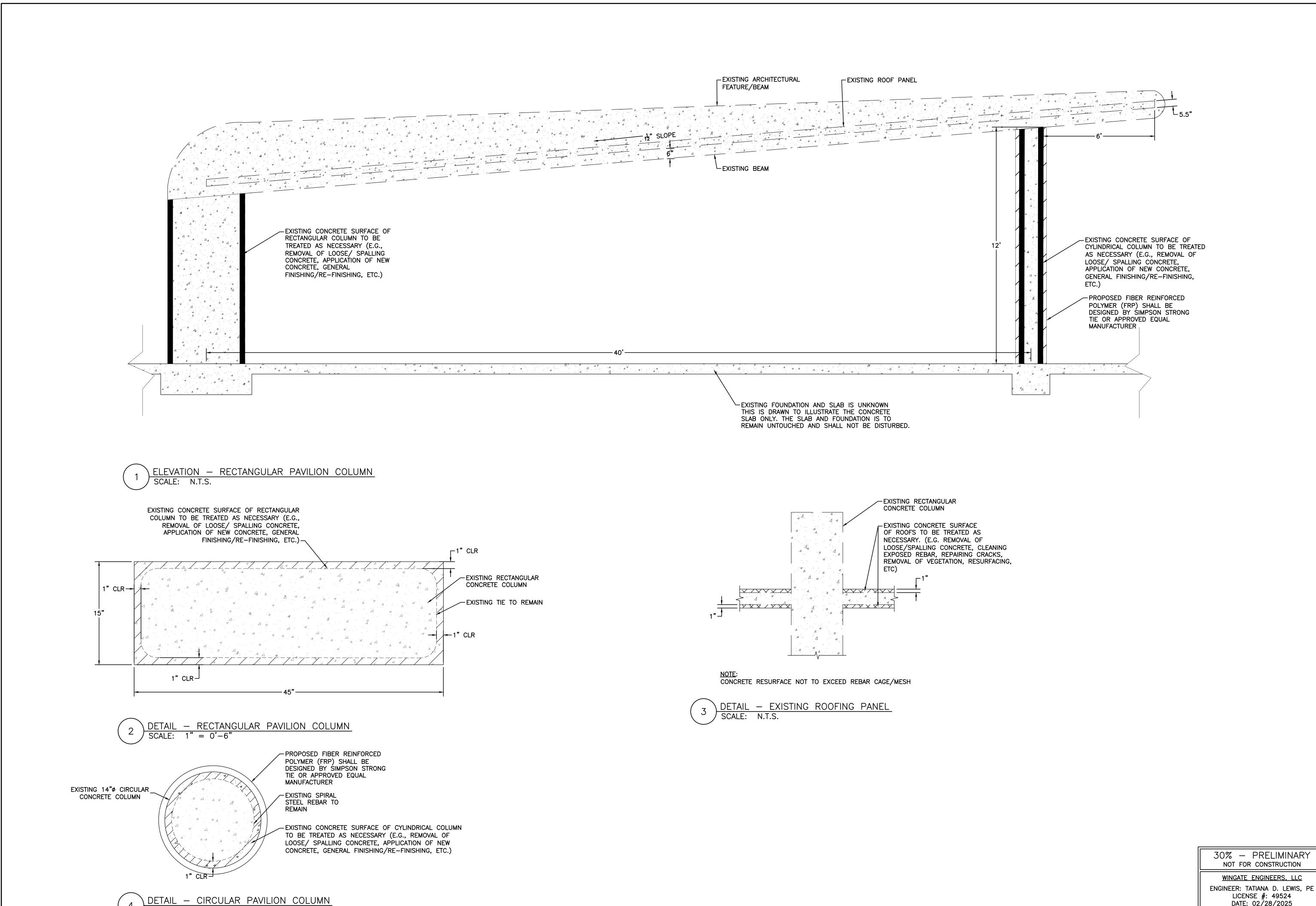
30% – PRELIMINARY NOT FOR CONSTRUCTION

> WINGATE ENGINEERS. LLC ENGINEER: TATIANA D. LEWIS, PE LICENSE #: 49524 DATE: 02/28/2025





LICENSE #: 49524 DATE: 02/28/2025



SHEET NUMBER

DATE: 02/28/2025

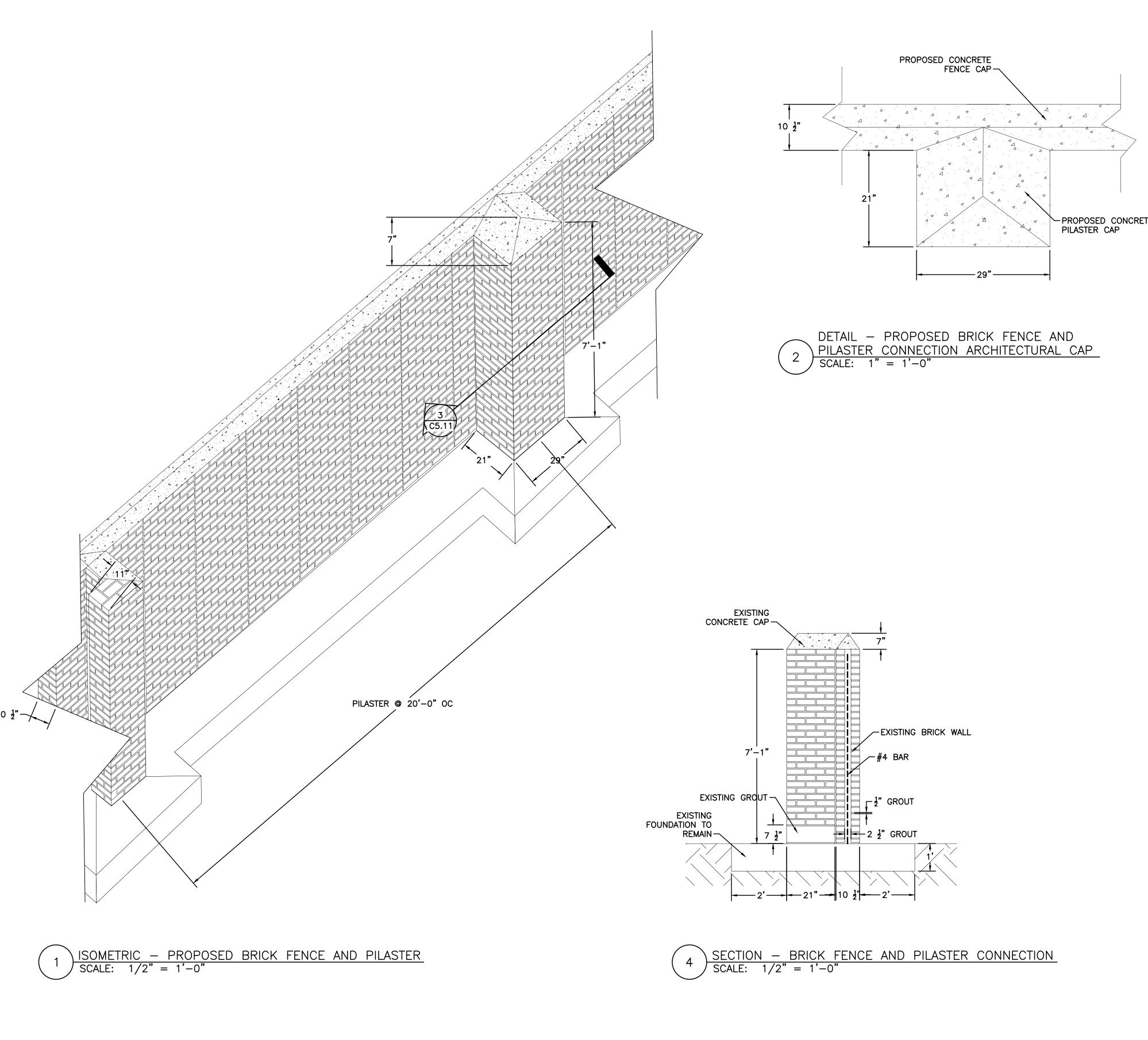
NEW BRICK FENCE SHALL MATCH EXISTING BRICK FENCE COLOR, HEIGHT, AND GEOMETRY UNLESS STATED OTHERWISE.
 THE CONTRACTOR SHALL MATCH THE EXISTING THICKNESS OF THE BRICK FENCE TO THE BEST OF THEIR ABILITY.

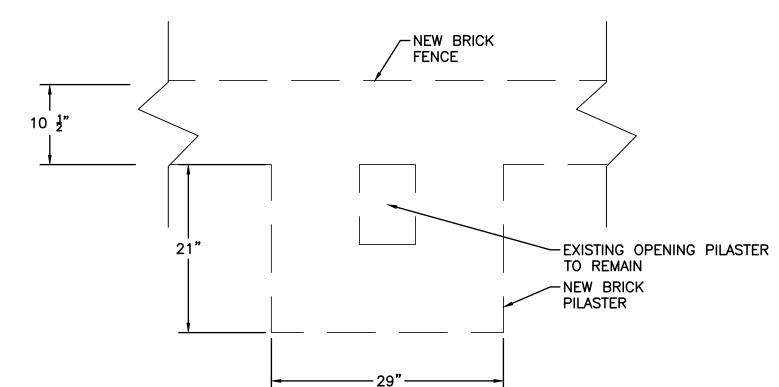
3" EMBEDMENT.

3. THE CONTRACTOR SHALL REUSED THE EXISTING FOUNDATION WITHIN REASON. IF THE FOUNDATION IS NOT USABLE THE CONTRACTOR SHALL MATCH THE

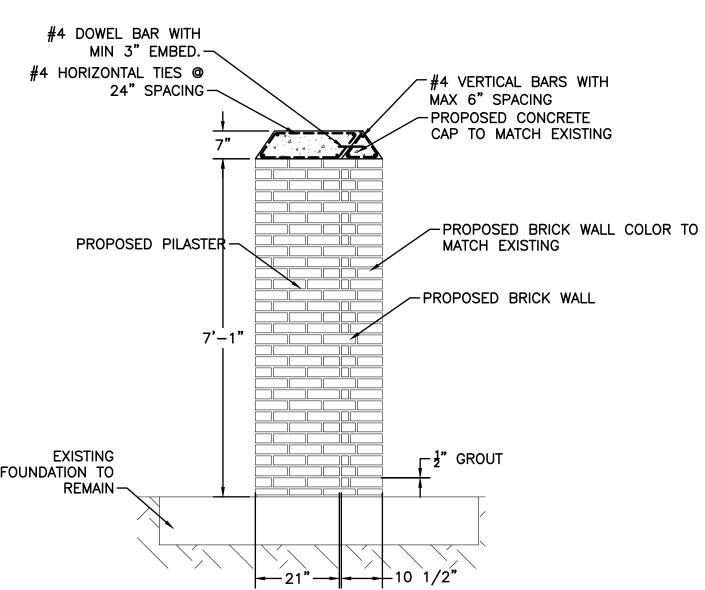
FOUNDATION WIDTH, THICKNESS, AND DEPTH TO EXISTING AND DOWEL THE

NEW FOUNDATION INTO THE EXISTING WITH (2) NO. 5 BAR @ 24" OC MAX





DETAIL - PROPOSED BRICK FENCE AND PILASTER CONNECTION ARCHITECTURAL CAP SCALE: 1" = 1'-0"

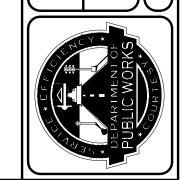


SECTION - BRICK FENCE AND PILASTER CONNECTION

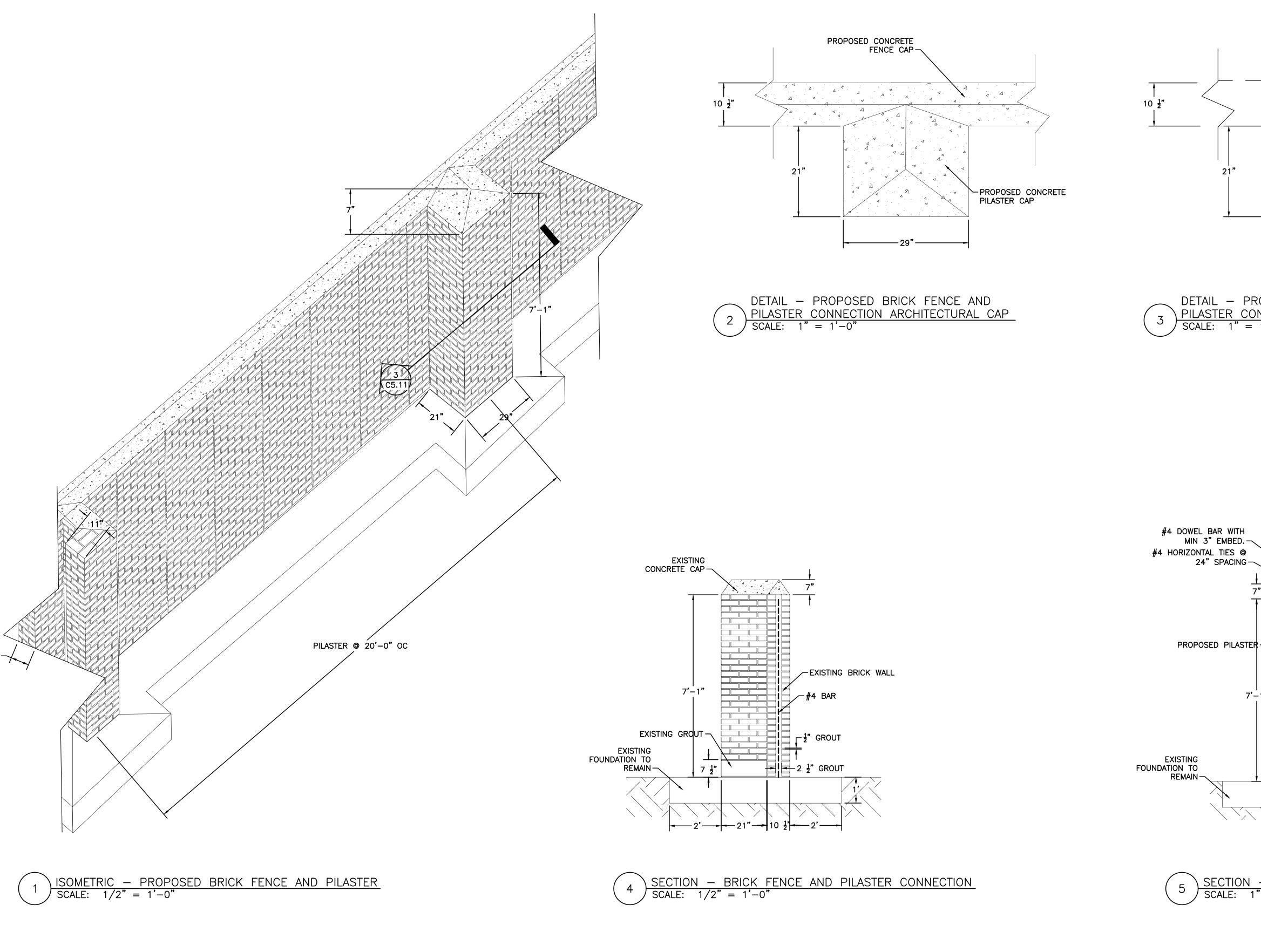
SCALE: 1" = 2'-0"

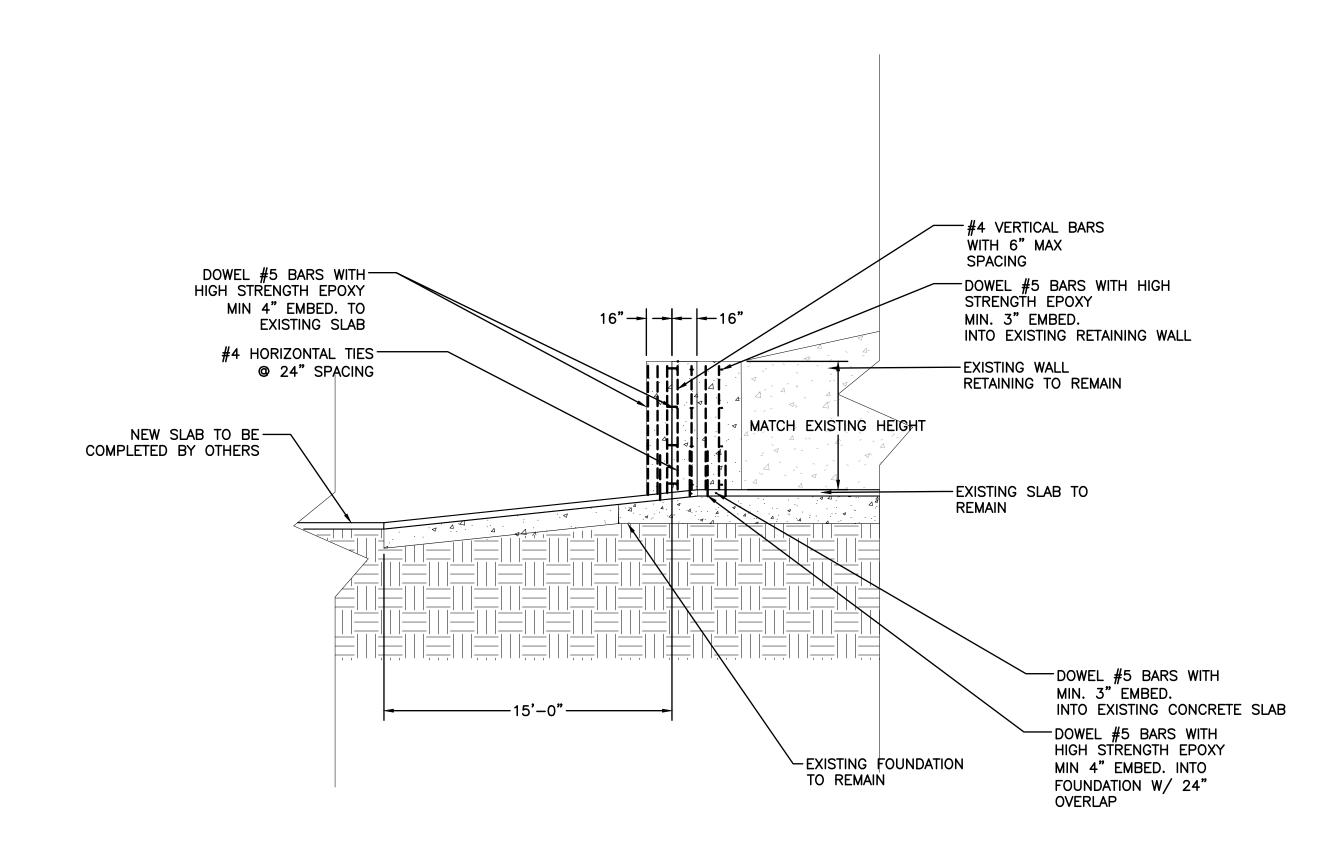
30% – PRELIMINARY NOT FOR CONSTRUCTION

> WINGATE ENGINEERS, LLC ENGINEER: TATIANA D. LEWIS, PE LICENSE #: 49524 DATE: 02/28/2025

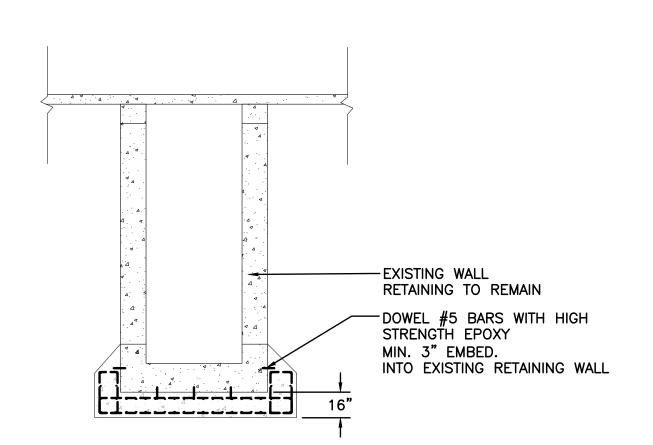


FILE NO. \_\_\_\_\_





SECTION - PROPOSED NORTH WEST SIDE RETAINING WALL SCALE: 1" = 5'



(1.B) SECTION - PROPOSED NORTH SIDE RETAINING WALL SCALE: 1" = 5'

SHEET NUMBER

S2.12

1. EXISTING CENTER AND EAST TUNNELS FOUNDATION IS UNKNOWN, BUT ITS ASSUMED TO BE PILE SUPPORTED DUE TO BEING CONSTRUCTED AFTER THE

2. THE WEST TUNNEL IS PILE SUPPORTED WITHOUT A GRADE BEAM OR FOOTING. WEST TUNNEL APPEARS TO BE POURED MONOLITHICALLY WITH BOTTOM SLAB ACTING AS A FLOOR AND FOOTING.

3. THE PROPOSED RETAINING IS DOWEL INTO THE EXISTING TUNNEL.

30% – PRELIMINARY NOT FOR CONSTRUCTION

WINGATE ENGINEERS, LLC ENGINEER: TATIANA D. LEWIS, PE LICENSE #: 49524 DATE: 02/28/2025

## MECHANCAL NOTES:

- 1. MATERIALS, EQUIPMENT, AND SYSTEMS SHALL MEET ALL PERTINENT REQUIREMENTS OF THE UNDERWRITERS LABORATORY (UL), THE 2015 INTERNATIONAL MECHANICAL CODE, AMERICAN SOCIETY OF HEATING, REFRIGERATION AND AIR—CONDITIONING ENGINEERS (ASHRAE), SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION (SMACNA), NATIONAL FIRE PROTECTION ASSOCIATION (NFPA), AND OTHER NATIONALLY RECOGNIZED AGENCIES AS WELL AS APPLICABLE LOCAL CODES.
- 2. BIDDERS SHALL BE LICENSED CONTRACTORS IN ACCORDANCE WITH LOCAL AND STATE LAWS.
- 3. BIDDERS SHALL THOROUGHLY ACQUAINT THEMSELVES WITH THE CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED. THEY SHALL EXAMINE ALL SERVICES, EQUIPMENT, SURFACES, ETC., WHICH THIS WORK IS IN ANY WAY DEPENDENT UPON, AND BRING ANY DISCREPANCIES DETERMINED OR OMISSIONS FOUND IN THE DRAWINGS TO THE OWNER'S ATTENTION BEFORE SUBMITTING BID. VERIFY ALL DIMENSIONS BY FIELD MEASUREMENTS.
- 4. THE SYSTEMS SHOWN ON THE DRAWINGS SHALL BE PROVIDED TO SERVE ALL FIXTURES, EQUIPMENT, AND AREAS WITHIN THE CONTRACT LIMIT LINES AS SET FORTH BY THE ENGINEERING SOLUTION FOR THE PROJECT. THE BIDDING AND CONTRACT REQUIREMENTS, GENERAL REQUIREMENTS, AND GENERAL PROVISIONS SHALL APPLY TO THIS SECTION. SYSTEMS SHALL INCLUDE ALL EQUIPMENT, APPURTENANCES, SAFETY DEVICES, AND CONTROLS NECESSARY FOR THE INTENDED SERVICE.
- 5. ALL PERMITS AND FEES REQUIRED FOR THIS WORK SHALL BE SECURED AND PAID FOR BY THE MECHANICAL CONTRACTOR AND INCLUDED IN BID PRICE.
- 6. ANYTHING DRAWN OR SPECIFIED ON THESE PLANS SHALL NOT BE CONSTRUED TO CONFLICT WITH ANY LOCAL, MUNICIPAL OR STATE LAW, REGULATION OR ORDINANCE WHICH GOVERNS THE INSTALLATION OF ANY MECHANICAL OR RELATED WORK. WHERE ANY PORTION OF THE SYSTEMS IS NOT INSTALLED AS IN ACCORDANCE WITH APPLICABLE LAWS, ORDINANCES, REGULATIONS AND CODES, THIS CONTRACTOR SHALL MAKE ALL CHANGES REQUIRED BY THE ENFORCING AUTHORITIES IN A MANNER APPROVED BY THE OWNER AND WITHOUT ADDITIONAL COST TO THE OWNER.
- 7. WHERE JOB CONDITIONS REQUIRE CHANGES FROM THE CONTRACT DOCUMENTS THAT DO NOT CHANGE THE SCOPE OF INSTALLATION OR NATURE OF WORK REQUIRED, THE CONTRACTOR SHALL MAKE SUCH CHANGES WITHOUT ADDITIONAL COST TO THE OWNER. NO OTHER CHANGES MAY BE MADE WITHOUT WRITTEN PERMISSION OF THE OWNER.
- 8. ALL EQUIPMENT SHALL BE NEW AND UNUSED, UON, AND SHALL BEAR THE LABEL OF AN APPROVED AGENCY. ALL EQUIPMENT SHALL BE INSTALLED IN STRICT CONFORMANCE TO MANUFACTURER'S INSTRUCTIONS, EXCEPT WHERE THESE SPECIFICATIONS REQUIRE A HIGHER QUALITY INSTALLATION THAN RECOMMENDED BY MANUFACTURER. ALL MECHANICAL EQUIPMENT SHALL BE PROVIDED WITH INSTALLATION INSTRUCTIONS, WHICH SHALL BE MADE AVAILABLE AT THE JOB SITE.
- 9. ALL INSTALLED SYSTEMS, DEVICES AND RELATED ITEMS SHALL BE TESTED IN PLACE ON SITE. REPLACE ANY AND ALL DEFECTIVE DEVICES, ITEMS OR SYSTEMS AT CONTRACTOR'S OWN EXPENSE BEFORE COMPLETION OF THE PROJECT.
- 10. CONTRACTOR SHALL REPLACE AT CONTRACTOR'S OWN EXPENSE ANY CONTRACTOR—SUPPLIED MATERIALS, EQUIPMENT, AND RELATED ITEMS THAT FAIL OR ARE FOUND TO BE DEFECTIVE WITHIN THE GUARANTEE PERIOD.
- 11. ARRANGE FOR CHASES, SLOTS, AND OPENINGS IN OTHER BUILDING COMPONENTS TO ALLOW FOR MECHANICAL INSTALLATIONS. COORDINATE THE INSTALLATION OF REQUIRED SUPPORTING DEVICES AND SLEEVES TO BE SET IN POURED IN PLACE CONCRETE AND OTHER STRUCTURAL COMPONENTS, AS THEY ARE CONSTRUCTED. COORDINATE THE CUTTING AND PATCHING OF BUILDING COMPONENTS TO ACCOMMODATE INSTALLATION OF MECHANICAL EQUIPMENT AND MATERIALS.
- 12. SEQUENCE, COORDINATE, AND INTEGRATE INSTALLATIONS OF MECHANICAL MATERIALS AND EQUIPMENT FOR EFFICIENT FLOW OF THE WORK.
- 13. EQUIPMENT LOCATIONS, ROOF & WALL OPENINGS ARE APPROXIMATE: VERIFY SIZE AND COORDINATE WITH G.C., EQUIPMENT SUPPLIER, AND OWNER. PROVIDE STEEL FRAMING AROUND ROOF OPENING(S) WHERE REQUIRED AND AROUND WALL OPENING(S) WHERE REQUIRED.
- 14. DO NOT ENDANGER OR DAMAGE INSTALLED WORK THROUGH PROCEDURES AND PROCESSES OF CUTTING AND PATCHING. ARRANGE FOR REPAIRS REQUIRED TO RESTORE OTHER WORK, BECAUSE OF DAMAGE CAUSED AS A RESULT OF MECHANICAL INSTALLATIONS.
- 15. WHERE MOUNTING HEIGHTS ARE NOT DETAILED OR DIMENSIONED, INSTALL MECHANICAL SERVICES AND OVERHEAD EQUIPMENT TO PROVIDE THE MAXIMUM HEADROOM POSSIBLE.
- 16. INSTALL MECHANICAL EQUIPMENT TO FACILITATE MAINTENANCE AND REPAIR OR REPLACEMENT OF EQUIPMENT COMPONENTS. AS MUCH AS PRACTICAL, CONNECT EQUIPMENT FOR EASE OF DISCONNECTING, WITH MINIMUM OF INTERFERENCE WITH OTHER INSTALLATIONS.
- 17. ALL MECHANICAL EQUIPMENT SHALL HAVE VIBRATION ISOLATORS.
- 18. MECHANICAL CONTRACTOR SHALL FURNISH RECORD SET OF DRAWINGS WITH ANY DEVIATIONS MARKED IN RED INK.

	EXHAUST FAN SCHEDULE											
TAG	SPACE DESCRIPTION	CENA	A ECD IN M.C	CONEC	DRIVE	MOTOR DATA			FAN SPEED	BASIS OF DESIGN		
IAG	SPACE DESCRIPTION	FAN TYPE	CFIVI	ESP, IN. W.G.	SOINES	DRIVE	POWER (HP)	VOLTAGE	PHASE	PAN SPEED	MANUFACTURER	MODEL
EF-1	ELEVATOR SHAFT ROOFTOP	CENTRIFUGAL	2500	0.25	13.7	BELT	1/3	115	1	823	GREENHECK	SBE-1H24
EF-2	ELEVATOR SHAFT ROOFTOP	CENTRIFUGAL	2500	0.25	13.7	BELT	1/3	115	1	823	GREENHECK	SBE1H24
NOTES:												

- 1. FAN SHALL BE POWERED ON BY HUMIDISTATE SET AT 90% AND THERMOSTAT SET AT 85 DEG F. HUMIDISTAT AND THERMOSTAT SHALL BE WIRED TO OPERATE
- IN AN EITHER OR CONFIGURATION. SEE SHEET M.X FOR CONTROL WIRING DIAGRAM.
- 2. PROVIDE MANUFACTURER'S FAN SPEED CONTROLLER FOR BALANCING
- PROVIDE MANUFACTURER'S DISCONNECT
   MOUNT FAN LEVEL ON ROOFTOP WITH MANUFACTURER'S SUPPLIED ROOF CURB, GPF-22 OR APPROVED EQUAL.
- 5. PROVIDE INTEGRAL BACKDRAFT DAMPER MANUFACTURED BY GREENHECK MODEL BD-330 OR APPROVED EQUAL

	ACTUATED LOUVER SCHEDULE											
TAG	LOCATION	SIZE		FREE AREA (SF)	ADDUCATION		CAPACITY	BASIS OF DESIGN				
IAG	LOCATION	WIDTH (IN)	HEIGHT (IN)	FREE AREA (3F)	APPLICATION	FLOW (CFM)	PRESSURE DROP, IN. W.G.	MANUFACTURER	MODEL			
L-1	<b>ELEVATOR SHAFT SIDE-WALL</b>	36	36	3.29	INTAKE	2500	0.1	GREENHECK	EACA-601D			
L-2	<b>ELEVATOR SHAFT SIDE-WALL</b>	36	36	3.29	INTAKE	2500	0.1	GREENHECK	EACA-601D			
NOT	<b>-</b> 5.				•							

## NOTES:

- 1. LOUVERS AND EQUIPMENT LISTED ARE BASIS OF DESIGN MODELS . SUBMIT TO ENGINEER FOR REVIEW SUBSTITUTIONS.
- 2. LOUVER TO BE INTERLOCKED WITH FAN AND HEATER. SEE SHEET M.X FOR CONTROL LOGIC.
- 3. ACTUATOR DRIVE ARRANGMENT TO BE 11-1FIBL-0
- 4. ACTUATOR MODEL TO BE GVD121.1U
- 5. LOUVERS TO BE IN COMPLIANCE WITH AMCA-500L, AMCA 540, AMCA-550, TAS 201, TAS 202, AND TAS 203

	ELECTRIC HEATER SCHEDULE												
TAG	CFM	FAN SPEED	МОТОІ	R INFO	MOUNTING	HEATING CAPA	HEATING CAPACITY		BASIS OF D	ESIGN			
IAG	CFIVI	(RPM)	VOLTAGE	PHASE	INIOONTING	WATTS	BTU/HR	SERVES	MANUFACTURER	MODEL			
HTR-1	350	1600	480	3	WALL BRACKET	5000	17060	<b>ELEVATOR SHAFT</b>	Q-MARK	MUH05-41			
HTR-2	350	1600	480	3	WALL BRACKET	5000	17060	ELEVATOR SHAFT	Q-MARK	MUH05-41			

- 1. HEATER THERMOSTAT TO BE SET AT 55 DEG F. SEE CONTROLS LOGIC ON M.X FOR MORE DETAIL
- HEATER TO BE MOUNTED ON ADJACENT WALL INSIDE ELEVATOR SHAFT NEAR ELEVATOR EQUIPMENT ON MANUFACTURER'S SUPPLIED WALL

  MOUNTING BRACKET

	SUMP PUMP SCHEDULE										
TAG	DESCRIPTION	HEAD (FT)	DRIVE TYPE		MOTOF	R DATA		BASIS OF DESIGN			
IAG	DESCRIPTION	GPM	TILAD (F1)	DRIVETTE	HP	VOLTAGE	PHASE	RPM	MANUFACTURER	MODEL	
P-1	STAINLESS STEEL SUMP PUMP	50	26	DIRECT	3/4	115	1	3450	LIBERTY PUMPS	293	
P-2	STAINLESS STEEL SUMP PUMP	DIRECT	3/4	115	1	3450	LIBERTY PUMPS	293			

## VENTILATION FAN/HEATER CONTROL LOGIC

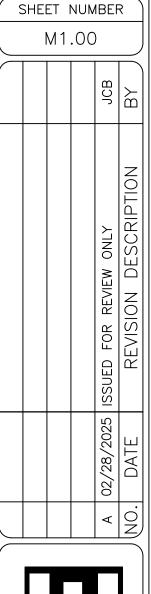
- 1. VENTILATION FAN THERMOSTAT TO BE SET TO TURN ON IF THE TEMPERATURE INSIDE THE ELEVATOR SHAFT RISES ABOVE 85 DEG F.
- 2. THERMOSTAT TO TURN OFF VENTILATION FAN AND TURN ON HEATER IF THE
- TEMPERATURE INSIDE THE ELEVATOR SHAFT DROPS BELOW 50 DEG F.

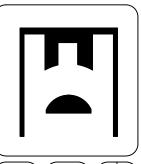
RISES ABOVE 55 DEG F AND RELATIVE HUMIDITY RISES ABOVE 90%.

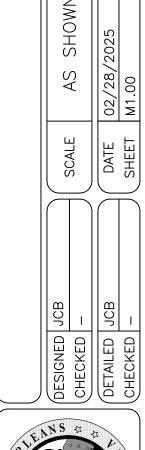
DROPS BELOW 55 DEG F AND RELATIVE HUMIDITY RISES ABOVE 90%.

4. HUMIDISTAT TO TURN ON HEATER AND TURN OFF VENTILATION FAN IF TEMPERATURE

3. HUMIDISTAT TO TURN OFF HEATER AND TURN ON VENTILATION FAN IF TEMPERATURE



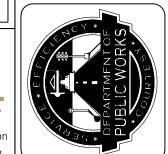




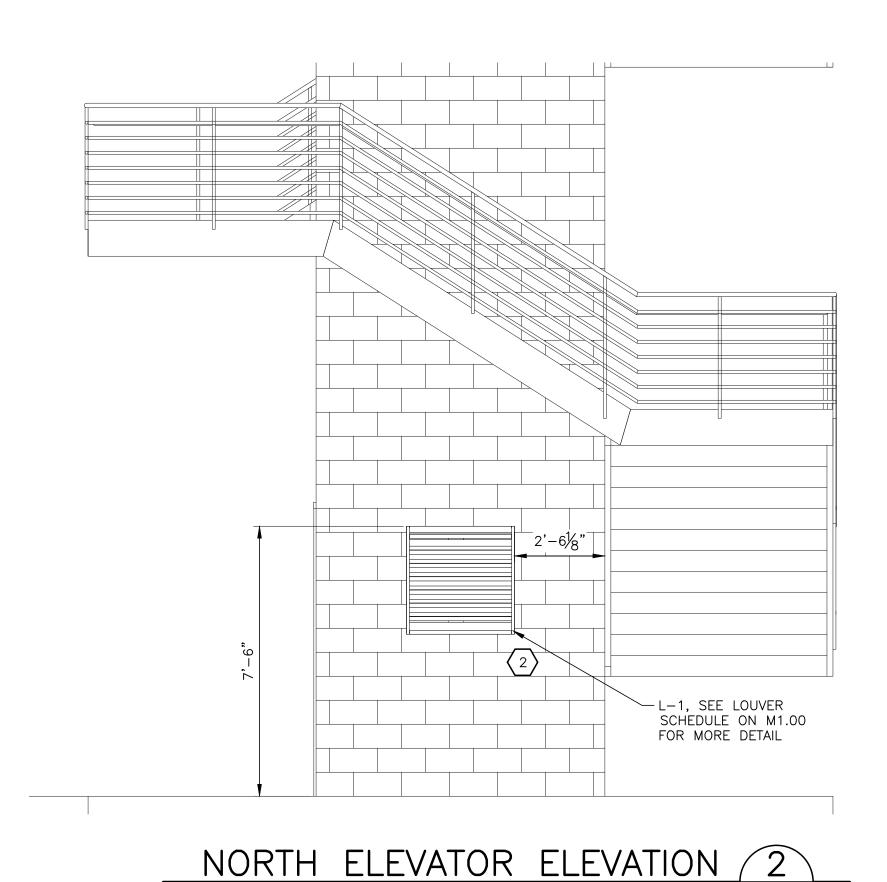


LINCOLN BEACH REDEVELOPMENT
ARKING AND PEDESTRIAN IMPROVEMENTS

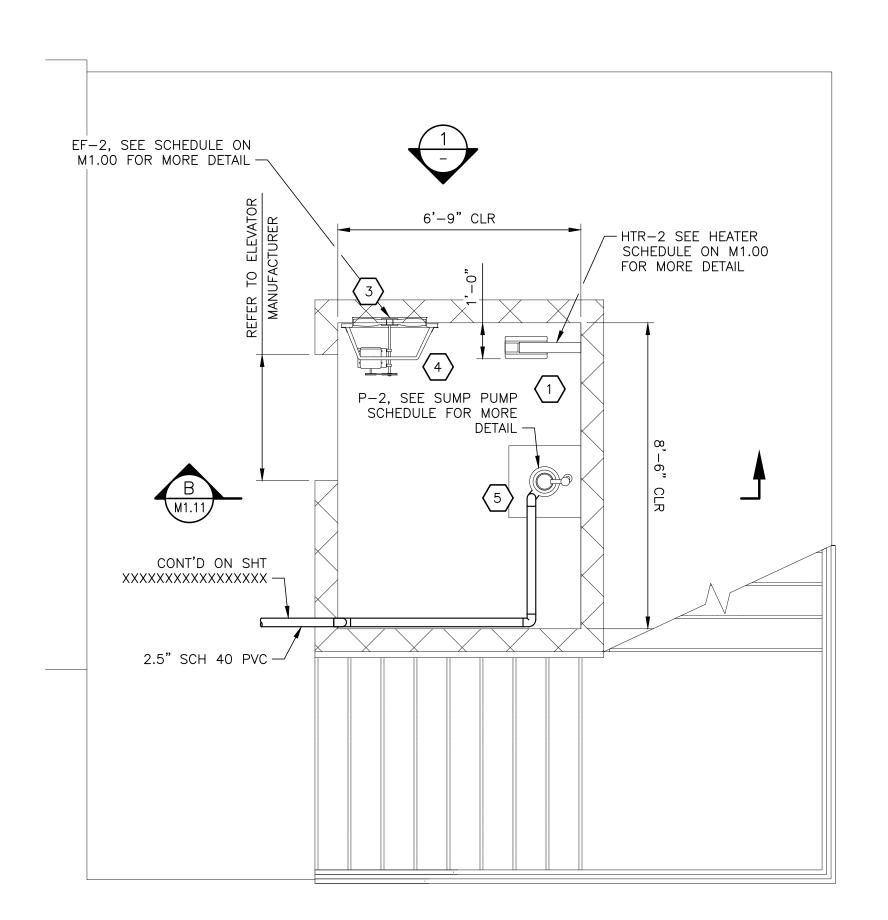




## NORTH ELEVATOR PLAN SCALE: 3/8" = 1'-0"

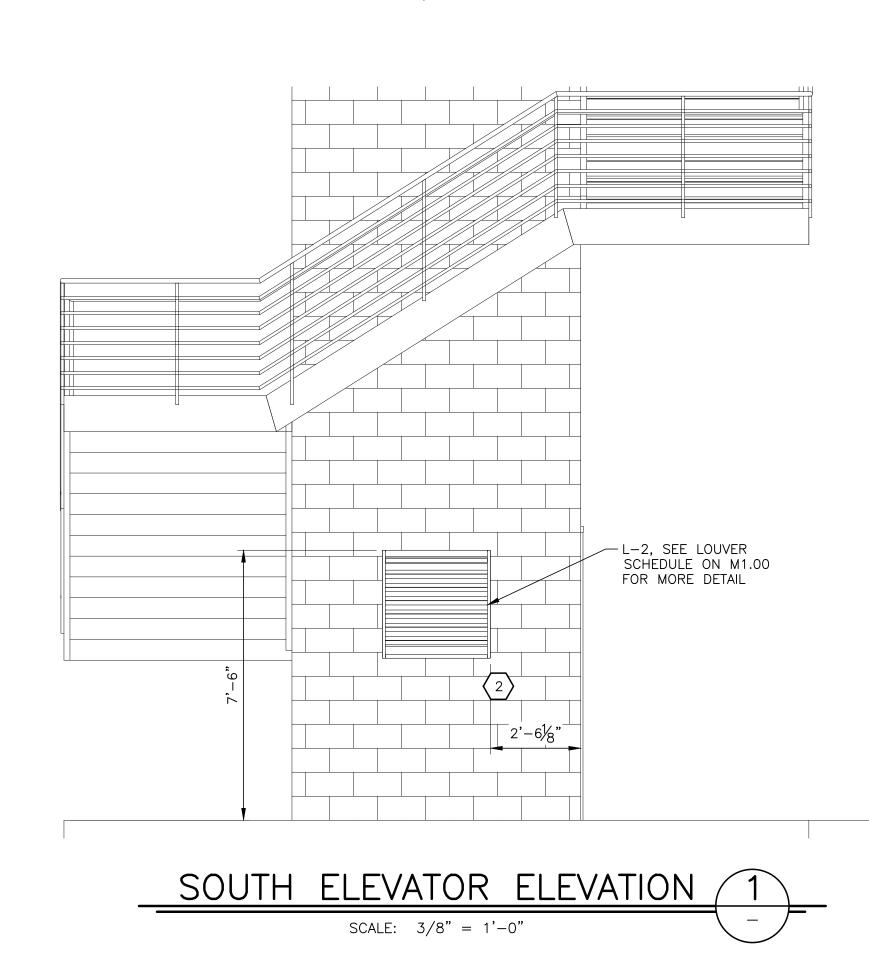


SCALE: 3/8" = 1'-0"



## SOUTH ELEVATOR PLAN

SCALE: 3/8" = 1'-0"



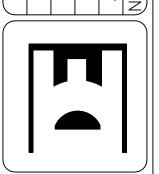
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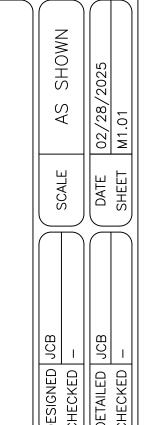
- WALL MOUNTED HORZONTAL ELECTRIC UNIT HEATER. 5 kW, 480V, 350 CFM, QMARK MODEL MUH05—41 OR EQUAL.
- 2 16"x16" GREENHECK BD-330 BACKDRAFT DAMPER WITH ELECTRIC MOTORIZED OPERATION. PROVIDE AND INSTALL GALVANIZED SHEET METAL PLENUM ON THE INDOOR SIDE OF LOUVER. SEAL ALL SEAMS WATER TIGHT. COVER OPEN END OF PLENUM WITH 20x20 WIRE MESH GALVANIZED HARDWARE SCREEN. COORDINATE LOUVER AND PLENUM LOCATION WITH STRUCTURAL MEMBERS.
- PROVIDE AND INSTALL MOTOR OPERATED DAMPER (MOD) IN LOUVER PLENUM. DAMPER SHALL BE MOTORED OPEN AND SPRING CLOSED. DAMPER SHALL BE NORMALLY CLOSED AND MOTORED OPEN WHEN EF-1 OR EF-2 IN ENERGIZED.
- 4 INSTALL EXHAUST FAN EF-1 & EF-2 ON SIDEWALL OF ELEVATOR SHAFT. FAN SHALL BE CONTROLLED BY THERMOSTAT SET AT 85°F AND HUMIDISTAT SET AT 90% RH.
- 5) INSTALL SUMP PUMP. ROUTE DISCHARGE PIPING TO OUTSIDE OF SHAFT UNDER GRADE.

		JCB	BY	
		A 02/28/2025 ISSUED FOR REVIEW ONLY	REVISION DESCRIPTION	
		02/28/2025	NO. DATE	
		A	ġ.	

SHEET NUMBER

M1.01



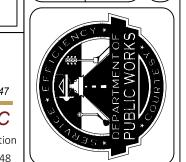


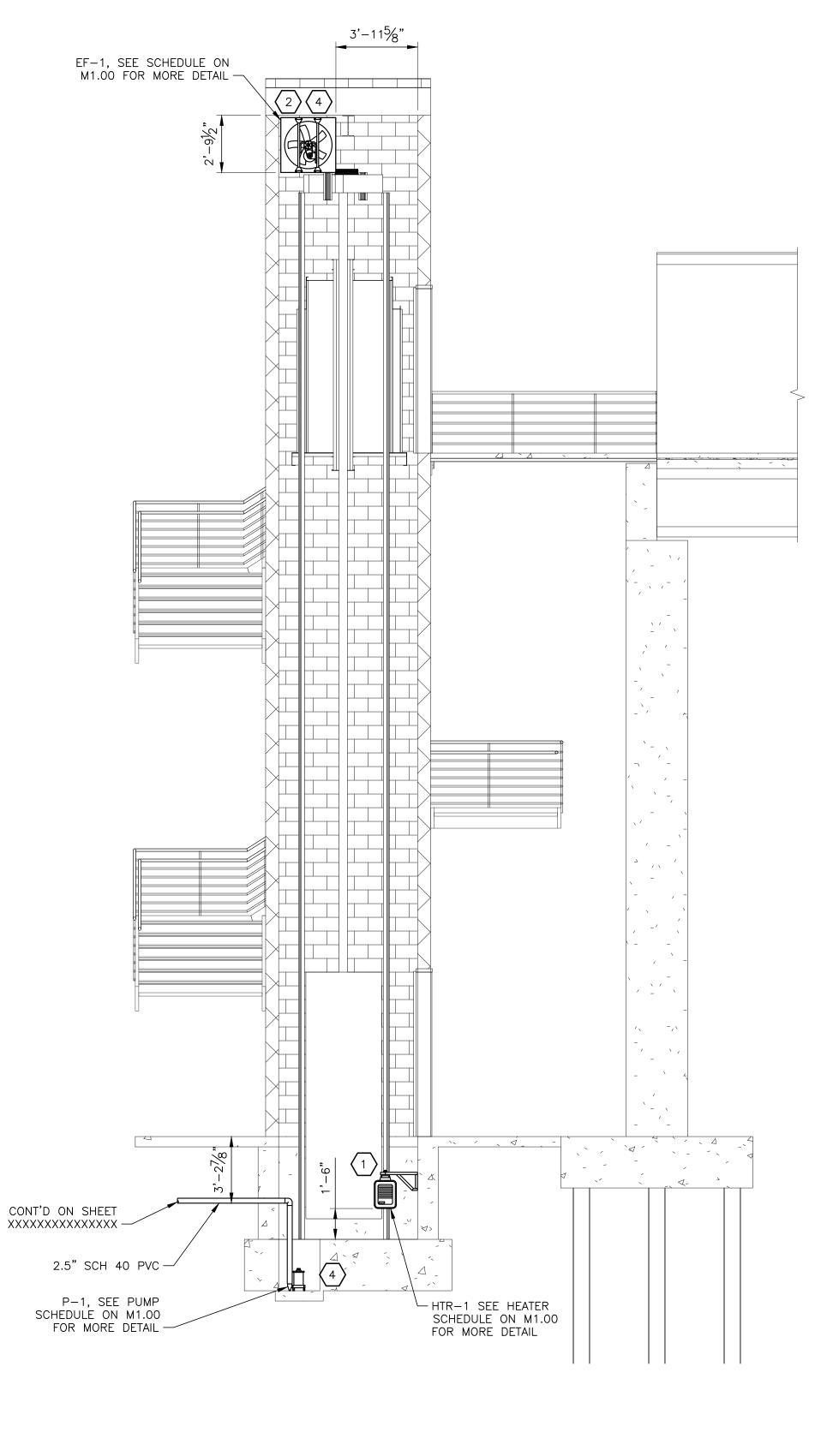


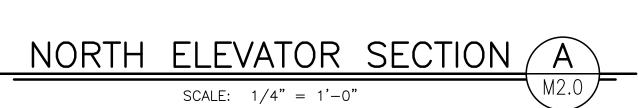
COLN BEACH REDEVELOPMENT

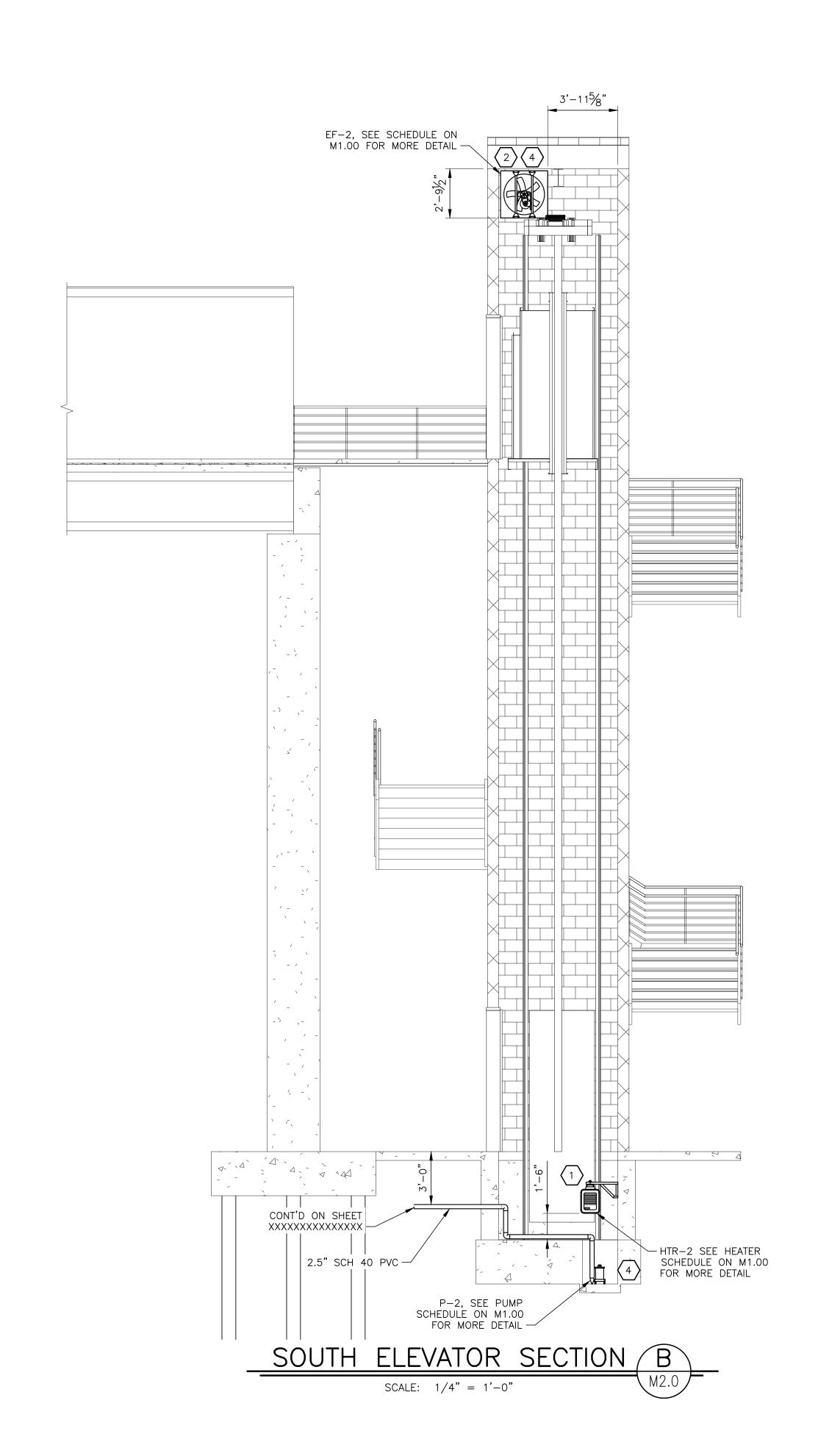
3 AND PEDESTRIAN IMPROVEMENTS











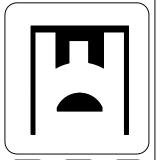
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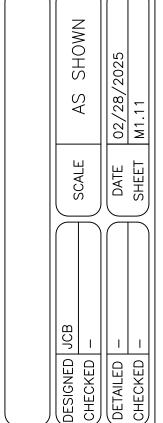
- WALL MOUNTED HORZONTAL ELECTRIC UNIT HEATER. 5 kW, 480V, 350 CFM, QMARK MODEL MUH05—41 OR EQUAL.
- PROVIDE AND INSTALL MOTOR OPERATED DAMPER (MOD) IN LOUVER PLENUM. DAMPER SHALL BE MOTORED OPEN AND SPRING CLOSED. DAMPER SHALL BE NORMALLY CLOSED AND MOTORED OPEN WHEN EF-1 OR EF-2 IN ENERGIZED.
- 3 INSTALL EXHAUST FAN EF-1 & EF-2 ON SIDEWALL OF ELEVATOR SHAFT. FAN SHALL BE CONTROLLED BY THERMOSTAT SET AT 85°F AND HUMIDISTAT SET AT 90% RH.
- 4 INSTALL SUMP PUMP. ROUTE DISCHARGE PIPING TO OUTSIDE OF SHAFT UNDER GRADE.

A 02/28/2025 ISSUED FOR REVIEW ONLY JCB
10. DATE REVISION DESCRIPTION BY

SHEET NUMBER

M1.11







OLN BEACH REDEVELOPMENT
AND PEDESTRIAN IMPROVEMENTS



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	POWER REQUIREMENTS										
TO DRIVE 460/480 V - 3PH TO CONTROLLER											
ELEVATOR DESIGNATION	ATOR RATED AT ACC. AMP		MAX UP DRIVE ACC. AMPS (FULL LOAD)	ACC. AMPS   CURRENT RATING, AMPS   R		REGEN KW DECEL.	CONT. AMPS	SHORT CIRCUIT, CURRENT RATING, AMPS (AT 600V OR LESS), CONTROLLER			
1	14.8 kW	17	19	25000	6	9	5.32	5000			

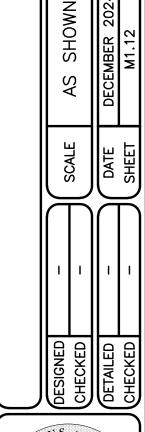
# PRELIMINARY

		IBC PARAMETERS									
ELEVATORDESIGN CATEGORYIMPORTANCE FACTORSDSBASE ELEVATIONAVERAGE ROOF HEIGHT											
	1 A		0	0	0.00 m [0.0 FT.]	50 m [164.0 FT.]					

	l	F <sub>2</sub>	
OR UNLOADING	641 LB. [2.87 kN]	514 LB. [2.31 kN]	
RAIL CAR	0 LB. [0.00 kN]	0 LB. [0.00 kN]	
CWT.	0 LB. [0.00 kN]	0 LB. [0.00 kN]	
ON EACH GUIDE	CAR	CWT.	
ATION.	6182 LB. [27.71 kN]	N/A	
	RAIL CAR CWT.	CAR 0 LB. [0.00 kN]  CWT. 0 LB. [0.00 kN]  CN EACH GUIDE CAR	

TR	ACTION ELE	VATOR	CONTRA	ACT DATA		
ELEVATOR NUMBER	1			NS MUST BE MET BEFORE INSTA		
TYPE	PASSENGER		•	T INCLUDED IN THE ELEVATOR ( CCORDING TO CODE AND SIZES SHOWN).	CONTRACT	:
CLASS	DESIGNED FOR CLASS "A" FREIGHT LOADING	2. ADEQUATE SUPPOR	RT FOR MACHINE BEAMS, GU	IDE RAIL BRACKETS, AND BUFFERS (FOR REA		,
BUILDING POWER SUPPLY	480V 3PH 60CYC	FIXTURES).		CHING TO INSTALL HOISTWAY ENTRANCES, S	SILLS, AND HAL	.L
DRIVE POWER INPUT	480V 3PH 60CYC	5. SEPARATE 120 VOLT	T, 15 AMP. BRANCH CIRCUITS	TS OF THE GFCI TYPE PER NEC. S, ALONG WITH TELEPHONE CIRCUIT WHEN RI		
CAPACITY	3500 LB. [1588 kg.]	AND ALARM CIRCU	JIT WITH RECEPTACLES OF T	(AS LOCATED ON PLAN VIEW) FOR THE FOLL HE GFCI TYPE PER NEC - GROUP CONTROL V	VHEN REQUIRE	ED NOTE:
MAX. UNIT LOAD	875 LB. [397 kg.]	BACKED.		ATOR, GROUP CONTROL CIRCUIT MUST BE S		
MAX. AXLE LOAD	875 LB. [397 kg.]	PROTECTIVE DEVI	CE) TO COMPLY WITH ALL LC	LS, AND INSULATION (INCLUDING BRANCH CI CAL ELECTRICAL CODES (SEE "ELECTRICAL I	POWER	
MAX. SUSTAINING LOAD	3500 LB. [1588 kg.]	GROUNDING PURP	POSES TO MINIMIZE ELECTRIC	E OF SAME SIZE AS THREE PHASE WIRES IS F CAL NOISE INTERFERENCE. THE GROUNDING	WIRE MUST B	E
SPEED	150 F.P.M. [0.76 m/s]	ELEVATOR STANDI	BY POWER OPERATION	YSTEMS GROUND. NOTE: IF STANDBY POWE		
OPERATION	MC5 (VVVF)	OF 10 - 95% PER LO	OCAL BUILDING CODE	ED BET. 32° F. AND 104° F. WITH A NON-COND		
STOPS	2   2 FRONT , 0 REAR	ROUGH OPENING 1	1'-3" WIDER AND 1'-3" HIGHER	BE PROVIDED AFTER ENTRANCE FRAMES ARE THAN THE FRAME OPENING; FOLLOW INSTAI	LLATION PROC	EDURES
	SINGLE-SPEED	FRAMES ARE SET.		LABELED CONSTRUCTION. FILL IN AROUND F		
ENTRANCES	LH FRONT N/A REAR	10. CONTROLLER IN JA	AMB - PERMANENT LIGHTING	MONITORING PANELS (FOR SECURITY, LIFE SA MUST BE INSTALLED IN THE HALLWAY/LOBBY	Y AND	E REQ.)
CAR CLIIDE TVDE	WITTUR SLIDE	OVERHEAD EQUIP	MENT - PERMANENT LIGHTIN	ED AT THE FLOOR LEVEL IN FRONT OF THE CO G MUST BE INSTALLED IN THE OVERHEAD AN	ID IT MUST ME	
CAR GUIDE TYPE	SLIDE	EQUIPMENT. THIS	INCLUDES: DRIVE, DISCONN	IT OF THE EQUIPMENT WHEN THE CAR IS POS ECTS, PEB, TENANT SECURITY BOX (IF APPLI (IDED BY OTHERS (45 MA OUTBUT), SEE THE	CABLE),	
CAP SAFETY (FLEY CLAMP)			LATION TRANSFORMER PROV TION' FOR DETAILS	/IDED BY OTHERS (15 KVA OUTPUT). SEE THE	GC SHE BIND	EK UNDEK
CAR SAFETY (FLEX CLAMP)	WITTUR CSGB-01					
GOVERNOR BODE	(CAR) OL35-NA					
GOVERNOR ROPE	(1) (6mm)					
(PREFORMED)	6 X 19S-IWRC					
MACHINE	PMB300M (8000734996)					
DRIVE SHEAVE DIA.	100 mm					
ROPING RATIO	2:1					
HOIST BELTS (BRUGG)	(3) - 43.5 x 3.5 mm					
CAR BUFFER TYPE	(2) POLYURETHANE					
CWT. BUFFER TYPE	(1) POLYURETHANE					
BUFFER STROKE	2.83 IN. [72 mm]					
CAB FINISH BY OTHERS	0 LB. [0 kg.]					
TOTAL CAR WEIGHT W/ FLOORING	2659 LB. [1206 kg.]					
FLOORING WT. BY OTHERS	(3/4") 150 LB. [68 kg.]	NOTE B: TK ELEVA		ANY CHANGE TO ELEVATOR	ATOD 55:	. AE-> :
CWT. PERCENTAGE	45%	NOTE C: ELEVATO	R DESIGN AND FABRICAT	ESIGN PRIOR TO FABRICATION OF ELEVATION BASED ON ESTIMATED CAB WEIGHT	Т	VIEN Γ.
TOTAL COUNTERWEIGHT	4245 LB. [1925 kg.]	UNLESS (	OTHERWISE NOTIFIED.	. BE CONSTRUED AS FINAL CAB WEIGHT		ME A17.1 - 20
TOTAL FILLER WEIGHT	3980 LB. [1805 kg.]	DO I	NOT SCA	ALE THIS DRA	AWIN	<b>IG</b>
CWT. STACK HEIGHT	90 IN. [2298 mm]			ONTRACTOR - TK ELEVATO		
STEEL FILLER WT SOLID	3980 LB. [1805 kg.]	FOR: LINCOLN	N BEACH			
STEEL FILLER WT SPLIT	0 LB. [0 kg.]	ADDRESS: NF				
CONCRETE FILLER WT.	0 LB. [0 kg.]	CITY: NEW OF ARCHITECT: 1				
CONCRETE FILLER QTY.	0	GEN. CONTRA				
OA. CWT. HEIGHT	133.45 IN. [3390 mm]	THIS DRAWING AND A	ALL INFORMATION THEREOI	N IS THE PROPRIETARY PROPERTY OF TK E		
CAR CONSTRUCTION WEIGHT	2048 LB. [929 kg.]	1		INER DETRIMENTAL TO THE INTEREST OF T		
STARTUP FILLER WEIGHT	1786 LB. [810 kg.]					
STARTUP FILLER STACK HT.	40 IN. [1017 mm]			TKE		
MACHINE & FRAME WEIGHT	562 LB. [255 kg.]					
CAR GUIDE RAILS		DRAWN DATE	CHKD.	JOB NUMBER	REV.	SHEET NO
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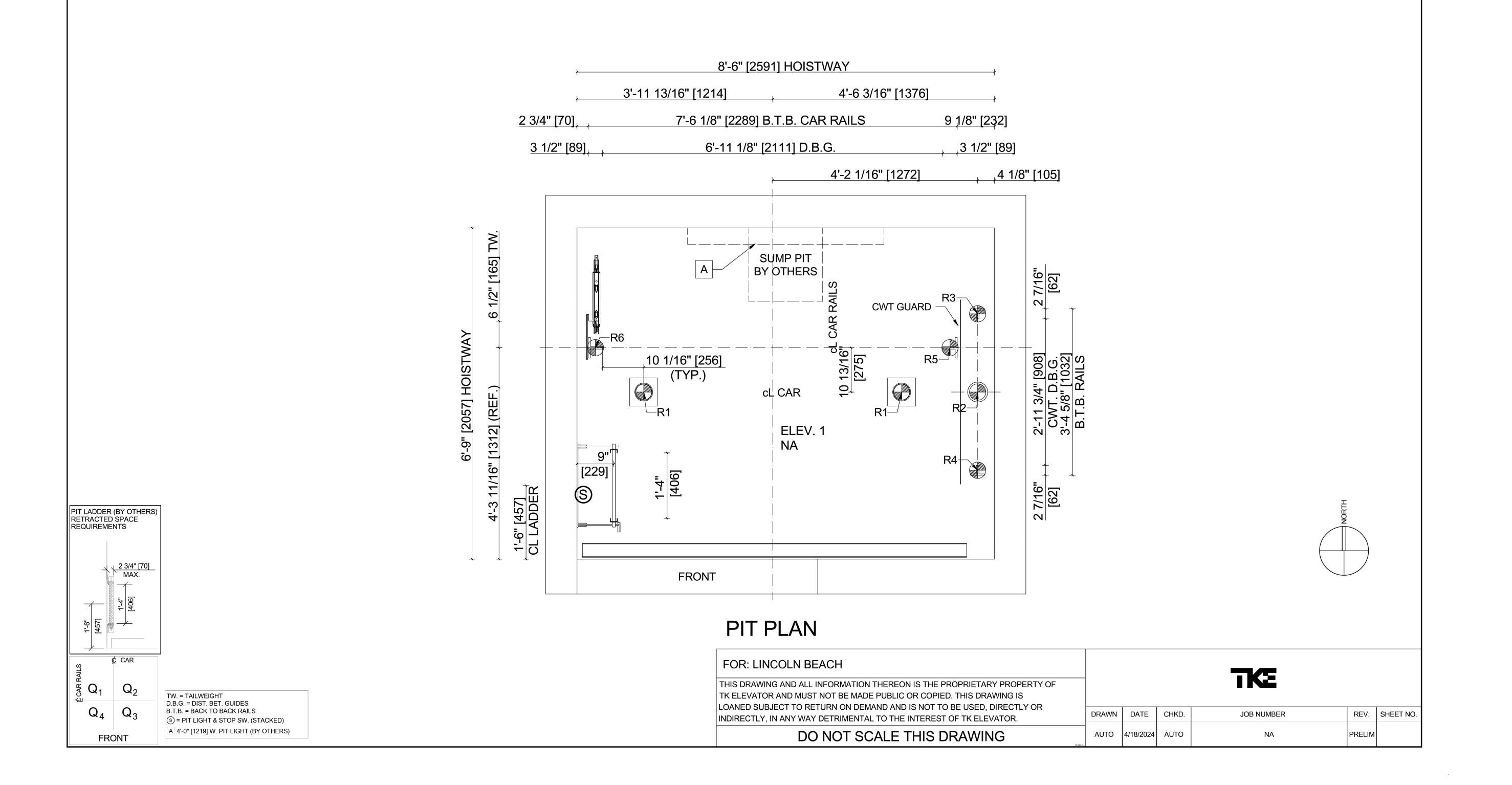




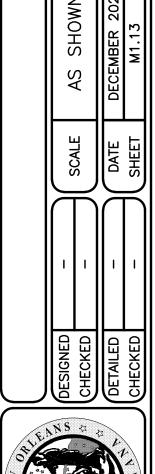


BUFFER REACTIONS										
ELEVATOR DESIGNATION	R	1	R2							
1	10100 LB.	[44.92 kN]	13916 LB.	[61.90 kN]						

	PIT	FLOOR REACT	TIONS
ELEVATOR DESIGNATION	REACTION	STATIC WEIGHT OF RAILS	TOTAL PIT REACTIONS (INCL. MACH./BEDPLATE, & DOUBLED BELT TENSION)
	R3	688 LB. [3.08 kN]	4839 LB. [21.69 kN]
4	R4	688 LB. [3.08 kN]	7430 LB. [33.30 kN]
ı	R5	688 LB. [3.08 kN]	5570 LB. [24.96 kN]
	R6	688 LB. [3.08 kN]	8177 LB. [36.65 kN]











30% PRELIMINARY NOT FOR CONSTRUCTION OF NEW ORLEANS, LOUISIANA OLN BEACH REDEVELOPMENT AND PEDESTRIAN IMPROVEMENTS CONSTRUCTION, LEAVE ROUGH OPENING AS SPECIFIED. NOTE 3: IF FLOOR TO FLOOR HEIGHT EXCEEDS 12'-0" [3658], A HEADER SUPPORT MUST BE INSTALLED

NOTE 4: A WOOD WORK DECK IS REQUIRED AT THE TOP LANDING FOR INSTALLATION (BY GENERAL CONTRACTOR) NOTE 5: IF THE CONTROLLER IS JAMB MOUNTED AT TOP LANDING, THE TOTAL HEAT LOAD IN THE HOISTWAY IS THE SUM OF THE

HEAT LOAD CAUSED BY THE MACHINE AND THE CONTROLLER. NOTE 6: AN OVERHEAD BEAM SHALL BE PROVIDED (BY GC) WITH A CAPACITY TO SUPPORT A 7500 LB. [33kN] POINT LOAD. THE BEAM SHALL BE SECURELY FASTENED TO THE BUILDING. MAINTAIN 2" [51] BETWEEN THE TOP OF THE BEAM AND THE HOISTWAY CEILING. THE BEAM CAN SUPPORT A MAXIMUM OF TWO LIFELINES DURING CONSTRUCTION; EACH LIFELINE MUST BE ON OPPOSITE ENDS OF THE BEAM WITHIN 12" [305] OF THE BEAM SUPPORTS.

12'-7" [3835] CLEAR OVERHEAD (UNDER SAFETY BEAM)

7'-9 7/16" [2374] O.A. CAB HEIGHT

7'-4" [2235] CLEAR INSIDE CEILING HEIGHT

9'-7" [2921] TOP GUIDE RAIL BRACKET

3'-6 1/8" [1070] TOP OF CWT. WITH CAR
ON FULLY COMPRESSED BUFFER 11'-0" [3353] TOP OF RAIL [SEE NOTE 3]

11'-1 1/8" [3381] TOP OF MACHINE BEDPLATE

13'-5" [4089] TOP OF HOISTWAY

**NET TRAVEL** 40'-0" [12192 mm]

1'-3 1/16" [382] BOT. OF STRIKE PLATE

SEE NOTE 4

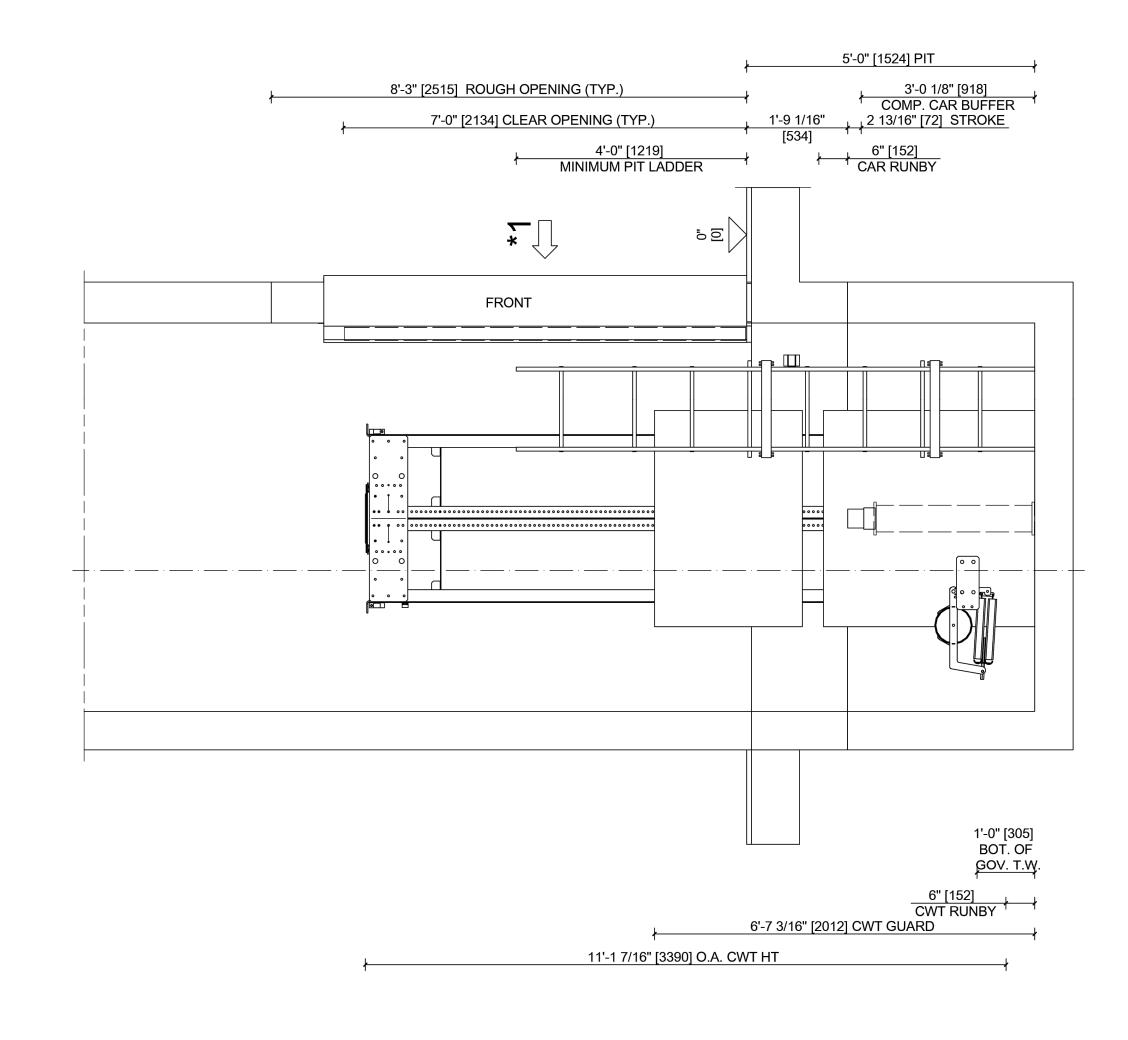
MAXIMUM DESIGNED COUNTERWEIGHT RUNBY 190mm [7.5in)

MAXIMUM BRACKET SPACING CAR & CWT. [3658 mm] HEAT LOAD IN OVERHEAD CAUSED BY ELEV. 1 **EQUIPMENT:** 

392 BTU/HR [115 WATTS]

NOTE: AT THE TOP & BOTTOM / MAIN LANDINGS, LEAVE A ROUGH OPENING FROM SIDE WALL TO SIDE WALL AT A MINIMUM HEIGHT OF 1'-3" [381] & MAXIMUM HEIGHT OF 2'-0" [610] ABOVE THE CLEAR OPENING HEIGHT. A HEADER SUPPORTING 500 LB. [227 kg] IS REQUIRED AT THIS ROUGH OPENING HEIGHT.

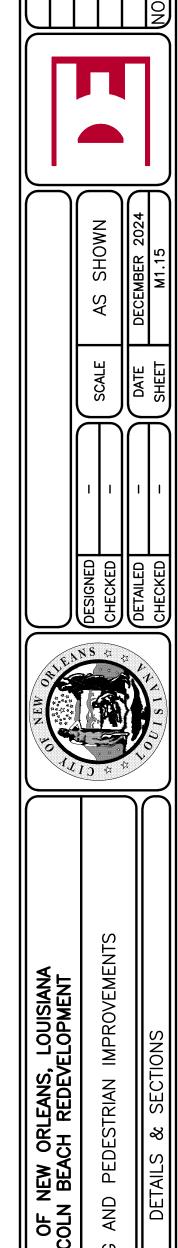
## PRELIMINARY



## **SECTION VIEW: ELEV. 1**

FOR: LINCOLN BEACH						
THIS DRAWING AND ALL INFORMATION THEREON IS THE PROPRIETARY PROPERTY OF TK ELEVATOR AND MUST NOT BE MADE PUBLIC OR COPIED. THIS DRAWING IS				TKE		
LOANED SUBJECT TO RETURN ON DEMAND AND IS NOT TO BE USED, DIRECTLY OR INDIRECTLY, IN ANY WAY DETRIMENTAL TO THE INTEREST OF TK ELEVATOR.	DRAWN	DATE	CHKD.	JOB NUMBER	REV.	SHEET NO.
DO NOT SCALE THIS DRAWING	AUTO	4/18/2024	AUTO	NA	PRELIM	

30% PRELIMINARY NOT FOR CONSTRUCTION



SHEET NUMBER

M1.15



## LINCOLN BEACH REDEVELOPMENT

## GENERAL NOTES

- 1. COORDINATE WITH LOCAL UTILITIES SERVING THIS PROJECT FOR POWER, TELEPHONE AND CABLE TV. CONTRACTOR SHALL INCLUDE IN BASE BID ALL COSTS FOR TRENCHING; BACKFILL, CONDUIT AND CABLING AS REQUIRED FOR COMPLETE AND OPERABLE INSTALLATION OF ALL UTILITY SYSTEMS AND EQUIPMENT.
- 2. ALL WORK FOR UTILITY COMPANY INSTALLATION SHALL COMPLY WITH UTILITY COMPANY STANDARDS AND REGULATIONS. CONTRACTOR SHALL INSTALL ALL UTILITY COMPANY CONDUITS, STRUCTURES, VAULTS AND PADS, ETC. AS INDICATED ON THE UTILITY COMPANY SERVICE DRAWINGS FOR THIS PROJECT. OBTAIN A COPY OF ALL FINAL UTILITY SERVICE DRAWINGS AND PROVIDE ALL EQUIPMENT AND WIRING AS INDICATED. CONTRACTOR IS RESPONSIBLE FOR ALL INSTALLATION COSTS AND INSPECTION FEES FOR UTILITY COMPANY.
- 3. THE TERM "PROVIDE" MEANS TO FURNISH AND INSTALL.
- 4. COMPLY WITH ALL NATIONAL, STATE, COUNTY, CITY AND LOCAL CODES AND ORDINANCES HAVING JURISDICTION, INCLUDING RULES AND REQUIREMENTS OF UTILITY SERVING AGENCIES.
- 5. INCORPORATE ALL CODES AND ORDINANCES INTO THE BASE BID AND INSTALLATION OF WORK. NO ADDITIONAL FUNDS WILL BE ALLOCATED FOR WORK REQUIRED TO CONFORM TO REGULATIONS AND REQUIREMENTS AND/OR TO OBTAIN APPROVAL OF WORK.
- 6. OBTAIN AND PAY FOR ALL REQUIRED PERMITS AND LICENSES. LOCAL CODE ENFORCEMENT AUTHORITY WILL PROVIDE BUILDING, PLUMBING/MECHANICAL AND ELECTRICAL INSPECTIONS DURING CONSTRUCTION.
- 7. ALL INSTALLATIONS, AT A MINIMUM, SHALL COMPLY WITH THE FOLLOWING CODES AND STANDARDS:
- A. NATIONAL ELECTRIC CODE.
- B. APPLICABLE NFPA STANDARDS.
- C. HEALTH CODES.
- D. FIRE CODE AS ADOPTED BY AUTHORITY HAVING JURISDICTION.
- E. THE NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION STANDARDS.
- F. AMERICAN NATIONAL STANDARDS INSTITUTE.
- G. ALL LOCALLY ADOPTED AMENDMENTS, CODES AND ORDINANCES IN THE JURISDICTION OF THIS
- H. ALL ELECTRICAL COMPONENTS AND DEVICES SHALL BE UL LISTED OR LISTED BY OTHER APPROVED TESTING AGENCY.
- 8. ALL CODES AND STANDARDS SHALL BE THE LATEST EDITIONS AS ADOPTED BY THE AUTHORITY HAVING JURISDICTION FOR THIS PROJECT. CODES AND STANDARDS AS ADOPTED BY THE STATE OF LOUISIANA SHALL BE THE MINIMUM STANDARDS FOR THIS PROJECT. OBTAIN CURRENT COPIES OF ALL LOCALLY ADOPTED CODES AND ORDINANCES PRIOR TO BID AND INCLUDE ALL COSTS TO COMPLY WITH CODES AND ORDINANCES IN BASE BID.
- 9. DESIGN DRAWINGS ARE DIAGRAMMATIC AND ARE ONLY INTENDED TO DEFINE THE BASIC FUNCTIONS REQUIRED. PROVIDE ALL MATERIAL, ETC. NECESSARY TO ACCOMPLISH THESE REQUIREMENTS. MINOR DEVIATIONS FROM THE DESIGN LAYOUT ARE ANTICIPATED AND ARE A PART OF THE WORK INCLUDED. HOWEVER, NO CHANGES THAT ALTER THE CHARACTER OF THE WORK WILL BE PERMITTED. DO NOT SCALE THE DRAWINGS.
- 10. IF A CONFLICT OCCURS BETWEEN THE DESIGN DRAWINGS AND SPECIFICATIONS, NOTIFY ENGINEER.
- 11. PROVIDE SHOP DRAWING LAYOUT OF ALL ROOMS WITH ELECTRICAL DISTRIBUTION EQUIPMENT. LAYOUT SHALL SHOW LOCATIONS OF ELECTRICAL EQUIPMENT AND SHALL BE DRAWN TO SCALE.
- 12. MAINTAIN ACCURATE CONTINUOUS RECORDS OF ANY AND ALL CHANGES FROM THE CONTRACT DOCUMENTS AND SHOP DRAWINGS. UPON COMPLETION OF THE PROJECT, DELIVER TO THE OWNER, ONE (1) SET OF LEGIBLE AND REPRODUCIBLE COPIES OF THESE "AS-BUILT" RECORD DRAWINGS.
- 13. ALL TERMINATIONS AND DEVICES SHALL BE LISTED FOR 75 DEGREES C FOR 100 AMPERE RATED EQUIPMENT AND 60 DEGREES C FOR LESS THAN 100 AMPERE UNLESS NOTED OTHERWISE.
- 14. ALUMINUM CONDUCTORS SHALL NOT BE USED.
- 15. THE FOLLOWING CONDUCTOR SIZES SHALL BE PROVIDED FOR 20A, 1PH BRANCH CIRCUITS (HOT, NEUTRAL & GROUND); BASED ON ACTUAL CIRCUIT LENGTH, UPSIZE RACEWAYS ACCORDINGLY.

CONDUCTOR SIZE	120V	208V	277V	480V
#12 AWG	0-70FT.	0-135FT.	0-175FT.	0-300FT.
#10 AWG	71-110FT.	136-200FT.	176-275FT.	301-500FT.
#8 AWG	111-180FT.	201-300FT.	276-455FT.	501-760FT.
#6 AWG	181-300FT.	301-500FT.	456-650FT.	761-1000FT.

- 16. ALL LIGHTING FIXTURES SHALL BE LED TYPE AND U.L. LISTED OR LISTED BY RECOGNIZED TESTING AGENCY.
- 17. ALL LAMPS SHALL BE BY THE SAME MANUFACTURER AND FURNISHED BY THE CONTRACTOR UNLESS NOTED OTHERWISE ON THE DRAWINGS. ALL BALLASTS SHALL BE LOW HARMONIC TYPE, THD<10%.
- 18. PROVIDE SEPARATE NEUTRAL CONDUCTORS FOR ALL GFCI RECEPTACLES OR GFCI CIRCUITS. FOR ALL DIMMING CONTROLLED LIGHTING CIRCUITS, ELECTRONIC EQUIPMENT WITH SWITCHING POWER SUPPLIES AND ALL GAMING BRANCH CIRCUITS.
- 19. ALL WORK SHALL BE PROPERLY SUPPORTED FROM THE BUILDING STRUCTURE IN AN APPROVED

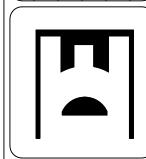
- MANNER AND FASTENED TO BUILDING CONSTRUCTION WITH APPROVED SUPPORTS.
- 20. COORDINATE ELECTRICAL WORK WITH OTHER TRADES PRIOR TO SUBMITTING BID.
- 21. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF ELECTRICAL DEVICES. IF LOCATIONS ARE NOT DEPICTED ON ARCHITECTURAL OR INTERIORS DRAWINGS, OBTAIN APPROVAL OF ARCHITECT PRIOR TO ROUGH-IN.
- 22. ALL ELECTRICAL DISTRIBUTION EQUIPMENT SHALL BE OF THE SAME MANUFACTURER, INCLUDING: PANELBOARDS, TRANSFORMERS, DISTRIBUTION PANELS, SWITCHBOARDS, DISCONNECTS, MOTOR STARTERS, ETC.
- 23. RACEWAYS SHALL BE INSTALLED CONCEALED, UNLESS NOTED OTHERWISE.
- 24. PROVIDE 200 LB. NYLON PULL STRING IN ALL EMPTY RACEWAYS.
- 25. RACEWAYS AND OUTLETS PASSING THROUGH OR INSTALLED IN FIRE RATED CONSTRUCTION SHALL BE SEALED WITH U.L LISTED FIRE RATED SEALANT IN ACCORDANCE WITH SEALANT MANUFACTURERS' RECOMMENDATIONS. WHERE ELECTRICAL RACEWAYS ARE INSTALLED THROUGH RATED FLOORS OR WALLS, THE CONTRACTOR SHALL PROVIDE APPROPRIATE FITTINGS APPROVED BY ALL REQUIRED LOCAL AUTHORITIES FOR THE INTENDED APPLICATION.
- 26. PROVIDE SEPARATE RACEWAYS FOR ALL "EMERGENCY" SYSTEM WIRING AND "NORMAL" SYSTEM WIRING. ALL EMERGENCY FEEDERS SHALL BE INSTALLED IN COMPLIANCE WITH NEC 700.9(D) AS ADOPTED BY AUTHORITY HAVING JURISDICTION.
- 27. ALL RACEWAYS AND CONDUCTOR SIZES SHOWN ARE TO BE INSTALLED WITHIN THE BUILDING STRUCTURE NOT EXPOSED TO OUTDOOR OR EXTREME AMBIENT CONDITIONS. IF RACEWAYS AND CONDUCTORS ARE ROUTED EXPOSED TO OUTDOOR AMBIENT CONDITIONS. CONTRACTOR SHALL DERATE CONDUCTORS AND UPSIZE RACEWAYS BASED ON ENVIRONMENT INSTALLED.
- 28. RACEWAYS PENETRATING THROUGH ROOF SHALL HAVE ROOF PITCH POCKETS AND FLASHING WITH CAULKING AND PIPE SLEEVE. INSTALLATION SHALL BE WATERTIGHT.
- 29. PROVIDE EXPANSION AND DEFLECTION FITTINGS FOR CONDUITS CROSSING EXPANSION JOINTS.
- 30. PROVIDE SEPARATE BOXES AND RACEWAYS FOR DIFFERENT VOLTAGE SYSTEMS.
- 31. DO NOT COMBINE HOMERUNS, EXCEPT AS INDICATED ON THE DRAWINGS.

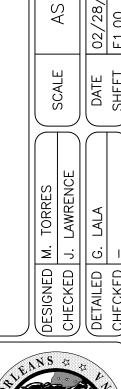
PROVIDE BONDING JUMPERS FOR ALL EXPANSION FITTINGS.

- 32. CONTRACTOR SHALL "BALANCE" THE LOADS IN ALL PANELBOARDS TO LESS THAN 10% IMBALANCE BETWEEN THE PHASES.
- 33. PROVIDE TYPEWRITTEN PANELBOARD SCHEDULES TO PANELBOARD DOORS DEPICTING THE FINAL AS-BUILT CONDITIONS AT PROJECT COMPLETION. INDICATE DIVIDE AND ROOM NAME LOCATION (IE: LIGHTING AT LOBBY BAR).
- 34. ALL ELECTRICAL SYSTEMS, EQUIPMENT AND COMPONENTS SHALL BE GROUNDED IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE (NEC) ARTICLE 250 AND AS INDICATED ON DOCUMENTS.
- 35. ALL FLOOR MOUNTED ELECTRICAL DISTRIBUTION EQUIPMENT SHALL HAVE A 4" HIGH HOUSEKEEPING PAD EXTENDING 4" OUTSIDE THE EQUIPMENT FOOTPRINT IN ALL DIRECTIONS.
- 36. ALL ELECTRICAL DISTRIBUTION EQUIPMENT SHALL BE INSTALLED IN COMPLIANCE WITH NEC 110.26 CLEAR WORKING SPACE REQUIREMENTS.
- 37. VERIFY WITH PROJECT STRUCTURAL ENGINEER OR RETAIN THE SERVICES OF LICENSED STRUCTURAL ENGINEER TO PROVIDE ANY MOUNTING DIAGRAMS OR CALCULATIONS REQUIRED FOR MOUNTING OF ELECTRICAL EQUIPMENT PRIOR TO ROUGH-IN. ALL COSTS ARE TO BE INCLUDED IN BASE BID.
- 38. PROVIDE ALL NECESSARY MOUNTING SUPPORTS FOR LIGHTING FIXTURES. WHERE FIXTURES ARE INSTALLED IN SUSPENDED CEILING SYSTEMS, SECURE FIXTURES TO CEILING FRAME SYSTEM AND PROVIDE FIXTURE SUPPORTS INDEPENDENT OF CEILING SUSPENSION SYSTEM AS REQUIRED PER APPLICABLE CODE.
- 39. RECESSED FIXTURES IN FIRE RATED CEILINGS AND RETURN AIR PLENUMS SHALL BE RATED FOR THE FIRE RATING OF THE CEILING OR SHALL BE FULLY ENCLOSED IN A FIRE RATED HOUSING ACCEPTABLE TO AUTHORITY HAVING JURISDICTION.
- 40. VERIFY TYPE OF MOUNTING REQUIRED FOR ALL LIGHTING FIXTURES AND PROVIDE ALL MOUNTING HARDWARE REQUIRED FOR A COMPLETE INSTALLATION.
- 41. ALL ADJUSTABLE FIXTURES SHALL BE LOCATED AND PROPERLY AIMED AS DIRECTED BY THE ARCHITECT OR LIGHTING DESIGNER. ALL AIMING OF BUILDING FACADE LIGHTING SHALL BE PERFORMED BY CONTRACTOR AT NIGHT.
- 42. COORDINATE ALL LIGHTING, LIGHT FIXTURE TYPES AND LOCATIONS, ELECTRICAL DEVICES, AND TELE/DATA DEVICES WITH LIGHTING CONSULTANTS, KITCHEN CONSULTANTS, ARCHITECT AND INTERIOR DESIGN CONSULTANTS PRIOR TO SUBMITTING BID AND ROUGH-IN. INCLUDE ALL COSTS FOR IN BASE BID.
- 43. CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECT SIZING AND INSTALLATION OF ALL OUTLET, PULL AND JUNCTION BOXES IN ACCORDANCE WITH NFPA 70. ALL BOXES SHALL BE RECESSED WITH COVER PLATE TO SUIT THE INTENDED APPLICATION.
- 44. ALL ELECTRICAL EQUIPMENT SHALL HAVE SUFFICIENT CONDUIT AND GUTTER SPACE LUGS AND KNOCKOUTS TO ACCOMMODATE QUANTITY AND SIZE OF CONDUCTORS AND CONDUIT REQUIRED. PROVIDE EQUIPMENT WITH OVERSIZED ENCLOSURES WHERE REQUIRED.
- 45. ALL WIRE AND CONDUIT CALLOUTS SHOWN ARE FOR THE ENTIRE CIRCUIT LENGTH UNLESS SPECIFICALLY NOTED OTHERWISE.

- 46. PROVIDE ALL REQUIRED SUPPORTS FOR CONDUCTORS IN VERTICAL RACEWAYS PER NEC 300.19.
- 47. CONTRACTOR SHALL PROVIDE ALL CONDUIT, WIRING, EQUIPMENT, AND CONTROL DEVICES AS INDICATED BY SCHEMATICS, SINGLE LINE DIAGRAMS, SCHEDULES, PLANS, SPECIFICATIONS, AND VENDOR DOCUMENTATION TO PROVIDE A COMPLETE WORKING SYSTEM. SINCE NOT ALL HOME RUNS ARE SHOWN ON PLANS, THE CONTRACTOR SHALL REFERENCE ALL SINGLE LINE AND SCHEMATIC DIAGRAMS, SCHEDULES, AND VENDOR DOCUMENTATION TO DETERMINE CONDUIT AND WIRING REQUIREMENTS.
- 48. COORDINATE ALL AUXILIARY WORK WITH OWNER'S NETWORK ADMINISTRATOR, OWNER'S SELECTED TELE/DATA CONSULTANTS, TELEPHONE VENDOR, OWNER'S A/V CONSULTANT, FIRE ALARM DESIGN/BUILD CONTRACTOR, OWNER'S SECURITY CONSULTANT AND THEIR ASSOCIATED DRAWINGS PRIOR TO BID AND ROUGH-IN. INCLUDE ALL COSTS FOR SYSTEMS BASE BID.
- 49. WHERE MOTORS ARE INSTALLED IN HUNG CEILINGS, PROVIDE DISCONNECT SWITCH IN HUNG CEILING, WITHIN REACH FROM ACCESS POINT.
- 50. SIZING OF MOTOR-RELATED ELECTRICAL COMPONENTS, INCLUDING FEEDERS, BRANCH CIRCUITS AND OVER-CURRENT PROTECTION ARE BASED ON RATINGS INDICATED. VERIFY "ACTUAL" MOTOR AND APPLIANCE RATINGS AND LOADS AND PROVIDE CORRECTLY SIZED MOTOR-RELATED ELECTRICAL COMPONENTS. REFLECT ALL CHANGES IN THE RECORD DRAWINGS.
- 51. PROVIDE ALL REQUIRED MOTOR STARTERS, OVER-CURRENT AND DISCONNECTION MEANS FOR EQUIPMENT SPECIFIED BY OTHER DISCIPLINES, WHETHER SPECIFICALLY INDICATED ON THESE DRAWINGS OR NOT. DEVICE WILL HAVE APPROPRIATE SIZE, NUMBER OF POLES AND NEMA RATING FOR INTENDED APPLICATION.
- 52. EXACT NUMBER, LOCATION, HORSEPOWER, VOLTAGE, AND PHASE OF ALL MOTORS AND DEVICES ASSOCIATED WITH THE CHEMICAL FEED SYSTEM, GRIT, SCREENING AND PLANT WATER, AND OTHER EQUIPMENT SYSTEMS AS APPLICABLE, PROVIDED UNDER THIS CONTRACT SHALL BE COORDINATED WITH THE ACTUAL EQUIPMENT SUPPLIER. CONDUIT AND WIRING TO BE PROVIDED SHALL BE ADJUSTED ACCORDINGLY AT NO ADDITIONAL COST TO THE OWNER.
- 53. PROVIDE HACR TYPE CIRCUIT BREAKERS FOR HVAC EQUIPMENT. VERIFY SIZE WITH MECHANICAL EQUIPMENT SUPPLIER AND/OR MANUFACTURER.
- 54. PROVIDE UL LISTED FIRESTOP SYSTEMS AT ALL FIRE, DRAFT AND SMOKE WALLS, CEILINGS, FLOORS AND BARRIERS. COORDINATE WITH OTHER CONTRACTORS TO MINIMIZE PENETRATIONS. PROVIDE UL COMPLIANCE SHEETS FOR TYPES OF SYSTEMS USED.

NOT ALL NOTES LISTED ABOVE ARE NECESSARILY USED ON THIS PROJECT. SHEET NUMBER E1.00







 $\circ$ 





	GENERAL & PL	AN LE	EGEND	Al
	ABOVE GROUND CONDUIT	Ф	SINGLE RECEPTACLE (EXPLOSION PROOF)	A — AMBER OR AMPERE
—— — U0	GE UNDERGROUND ELECTRICAL	XP	CONDUIT BOX, C-H TYPE "GUAC"	AC — AMPERE CONTINUOUS  AF — AMPERE FRAME
OHE-	OVERHEAD ELECTRICAL		CONDUIT BOX, C-H TYPE "GUAT"	AHU — AIR HANDLING UNIT
	GROUND WIRE		CONDUIT BOX, C-H TYPE "GUAX"	AM — AMMETER  AMP — AMPERE
—т/c——	TELEPHONE/COMMUNICATION	# 	FLOODLIGHT, C-H TYPE "FMVS"	AS — AMMETER SWITCH
_	AND DATA CONDUIT	/   \	EYEWASH STATION LIGHTING	AT — AMPERE TRIP
	SPECIAL PURPOSE RECEPTACLE	(G)	C-H TYPE "EVBX" WITH 60W GREEN LAMP	ATS — AUTOMATIC TRANSFER SWITCH  AWG — AMERICAN WIRE GUAGE
	ELECTRIC MOTOR		SOLAR LED FIXTURE  J LED OR FLUORESCENT FIXTURE	вот — воттом
L Ó	MOTORIZED LOUVER	$\otimes$	EXIT LIGHT FIXTURE	BKR - BREAKER
+	CONDUIT UNION OR HUB CONNECTOR		SITE LIGHTING — FIXTURE, POLE AND FOUNDATION	C — CONTACTOR OR CONDUIT  CB — CIRCUIT BREAKER
· - <del></del> -	CONDUIT "T" FITTING		EMERGENCY LIGHT FIXTURE (BATTERY PACK)	CKT - CIRCUIT
	CONDUIT "L" FITTING	$\vdash$ $\bigcirc$	THERMOSTAT	CPT - CONTROL POWER TRANSFORMER
<del>-</del>	CONDUIT EXPANSION JOINT	мд 🗇	MOTORIZED DAMPER	CR — CONTROL RELAY  CT — CURRENT TRANSFORMER
$\cap$	LIQUIDTIGHT FLEXIBLE METALLIC	<b>—</b>	WALL TELEPHONE OUTLET	CU — COPPER
7 0 +	CORE CONDUIT	\$	SINGLE POLE TOGGLE SWITCH 20A, 120/277V, MTD 48" AFF	DC - DIRECT CURRENT  DPST - DOUBLE POLE SINGLE THROW
— <u> </u>	CONDUIT CAP OR PLUG  CONDUIT TURNING AWAY FROM VIEWER	\$ <sub>2</sub>	DOUBLE POLE TOGGLE SWITCH 20A, 120/277V, MTD 48" AFF	DPDT - DOUBLE POLE DOUBLE THROW
<b>-</b> 0	CONDUIT TURNING TOWARD & GOING PAST VIEWER	\$ <sub>3</sub>	3-WAY TOGGLE SWITCH 20A, 120/277V, MTD 48" AFF	DS — DISCONNECT SWITCH  EWH — ELECTRIC WATER HEATER
$\sim$	GROUND WIRE LUGS AND CADWELD	•	GROUND TAP	F — FUSED OR FUSE  FBO — FURNISHED BY OTHERS
Φ	RECEPTACLE — SINGLE OUTLET		GROUND ROD	FVNR - FULL VOLTAGE NON-REVERSING
$\Phi_{G}$	20A, 120V (U.N.O.)  RECEPTACLE — SINGLE OUTLET	$\odot$	GROUNDWELL	FVR — FULL VOLTAGE REVERSING
_	G.F.C.I. 20A, 120V (U.N.O.)	N	AID TO NAVIGATION LIGHTING FIXTURE	GALV — GALVANIZED  GCB — GENERATOR CIRCUIT BREAKER
φ	RECEPTACLE — DUPLEX 20A, 120V (U.N.O.)	РВ	PULLBOX	GCP — GENERATOR CONTROL PANEL
$\bigoplus_{G}$	RECEPTACLE — DUPLEX G.F.C.I., 20A, 120V (U.N.O.)	LC	LIGHTING CONTROL CONTACTOR	GFI — GROUND FAULT INTERRUPTOR  GFCI — GROUND FAULT CIRCUIT INTERR
$\Phi_{IG/SP}$	RECEPTACLE — DUPLEX ISOLATED GROUND SURGE	XFMR	TRANSFORMER	G OR GND — GROUND
\ <u></u>	SUPPRESSION STANCHION MOUNTED	LP	LIGHTING PANEL	HOA – HAND-OFF-AUTO  HP – HORSEPOWER
$\bigcirc\!$	LIGHT FIXTURE	мн	MANHOLE	JB or J-BOX - JUNCTION BOX
$\bigcirc$	PENDANT MOUNTED LIGHT FIXTURE	PE	PHOTOELECTRIC CELL	kVA — KILO VOLT—AMPS kWH — KILOWATT HOUR
$\sim$	BRACKET/WALL MOUNTED	а <u></u>	SAFETY SWITCH	LP - LIGHTING PANEL
<u>\</u> '	LIGHT FIXTURE	° \	SINGLE POLE BREAKER	LS* - LEVEL SWITCH
	CEILING MOUNTED LIGHT FIXTURE	•)	SINGLE I OLL DINLANLIN	LV — LOW VOLTAGE  M — MOTOR STARTER COIL
	FLOODLIGHT		TWO POLE BREAKER	MCC - MOTOR CONTROL CENTER
PANE	EL-CKT	0/0/		MCP - MOTOR CIRCUIT PROTECTOR
$\bigcirc$	UTILITY POWER POLE	• ) • )	THREE POLE BREAKER	MH — MANHOLE  MLO — MAIN LUGS ONLY
/sc ⊲	SECURITY CAMERA		INSTRUMENTATION EQUIP.	
360	360 DEGREE	LSH 20	INSTRUMENTATION BALLOON/ EQUIPMENT TAG NUMBERS	CONDUIT & C
HSC)	SECURITY CAMERA	*	SPLINE BALL AIR TERMINAL	P-XXX — POWER CABLE
	CABLE TRAY	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	ANTENNA	C-XXX — CONTROL CAB
	WIRING CONCEALED IN WALLS, OR A	BOVE CEU		PC-XXX — POWER & COI  I-XXX — INSTRUMENT C
E	WIRING CONCEALED IN WALLS, OR AI			1 ////
	BATTERY INVERTER SYSTEM			NOTE: NOT ALL SYMBOLS, CALL-OUTS AND
#	HOMERUN TO PANELBOARD "XXX". SI GROUND WIRE NOT SHOWN BUT SHA	MALL CROS	SSMARKS INDICATE HOT WIRE.	ABBREVIATIONS SHOWN ABOVE ARE NECESSARILY USED ON THIS PROJECT.

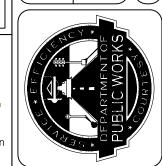
	SCHEDULE LEGEND
<del></del> -	
MLO - MAIN LUGS ONLY	
MH - MANHOLE	
MCC - MOTOR CONTROL CENTER  MCP - MOTOR CIRCUIT PROTECTOR	
M - MOTOR STARTER COIL  MCC - MOTOR CONTROL CENTER	
LV - LOW VOLIAGE  M - MOTOR STARTER COIL	
LV — LOW VOLTAGE	
LS* - LEVEL SWITCH	
LP - LIGHTING PANEL	* - L(LOW) OR H(HIGH)
kWH — KILO VOLI—AMPS	WP — WEATHERPROOF
kVA — KILO VOLT—AMPS	W — WIRE OR WATTAGE
JB or J-BOX - JUNCTION BOX	VS — VOLTMETER SWITCH
HP - HORSEPOWER	VM — VOLTMETER
HOA — HAND—OFF—AUTO	VFD — VARIABLE FREQUENCY DRIVE
G OR GND - GROUND	V - VOLT/VOLTAGE
GFCI — GROUND FAULT CIRCUIT INTERRUPT	TVSS - TRANSIENT VOLTAGE SURGE SUPPRESS
GCF - GENERATOR CONTROL PANEL  GFI - GROUND FAULT INTERRUPTOR	TS* - TEMPERATURE SWITCH
GCB — GENERATOR CIRCUIT BREAKER  GCP — GENERATOR CONTROL PANEL	UNO — UNLESS NOTED OTHERWISE
GALV — GALVANIZED  GCB — GENERATOR CIRCUIT BREAKER	TOS - TOP OF SLAB/TOP OF STEEL
GALV — GALVANIZED	TDR - TIME DELAY RELAY
FVR — FULL VOLTAGE NON—REVERSING  FVR — FULL VOLTAGE REVERSING	T OR XFMR — TRANSFORMER
FVNR — FULL VOLTAGE NON—REVERSING	TB — TERMINAL BLOCK
F — FUSED OR FUSE  FBO — FURNISHED BY OTHERS	SWRK - SWITCHRACK
F - FUSED OR FUSE	SW - SWITCH
EWH — ELECTRIC WATER HEATER	STR - STARTER
DS - DISCONNECT SWITCH	SPDT — SINGLE POLE DOUBLE THROW
DPDT - DOUBLE POLE DOUBLE THROW	SPST — SINGLE POLE SINGLE THROW
DPST - DOUBLE POLE SINGLE THROW	S/S - START/STOP
DC — DIRECT CURRENT	•
CU — COPPER	S/N — SOLID NEUTRAL
CT — CURRENT TRANSFORMER	SHLD — SHIELDED
CR - CONTROL RELAY	SC - SECURITY CAMERA
CPT - CONTROL POWER TRANSFORMER	
CKT - CIRCUIT	PS* - PRESSURE SWITCH
CB – CIRCUIT BREAKER	POE – POWER OVER ETHERNET
C - CONTACTOR OR CONDUIT	PP - POWER PANEL
BKR – BREAKER	PC - PHOTOCELL CONTROL
BOT - BOTTOM	PNL - PANEL
AWG — AMERICAN WIRE GUAGE	PB - PUSHBUTTON
ATS — AUTOMATIC TRANSFER SWITCH	OL — OVERLOAD
AT - AMPERE TRIP	NVR - NETWORK VIDEO RECORDER
AS – AMMETER SWITCH	N.O. — NORMALLY OPEN
AMP – AMPERE	NF - NON-FUSED
AHU — AIR HANDLING UNIT  AM — AMMETER	N — NEUTRAL  N.C. — NORMALLY CLOSED
AF — AMPERE FRAME	N.C. — NORMALLY CLOSED
AC — AMPERE CONTINUOUS	N — NEUTRAL

**ABBREVIATIONS** 

PC-XXX — POWER & CONTROL CABLE & CONDUIT NUMBER ( |-XXX ) — INSTRUMENT CABLE & CONDUIT NUMBER

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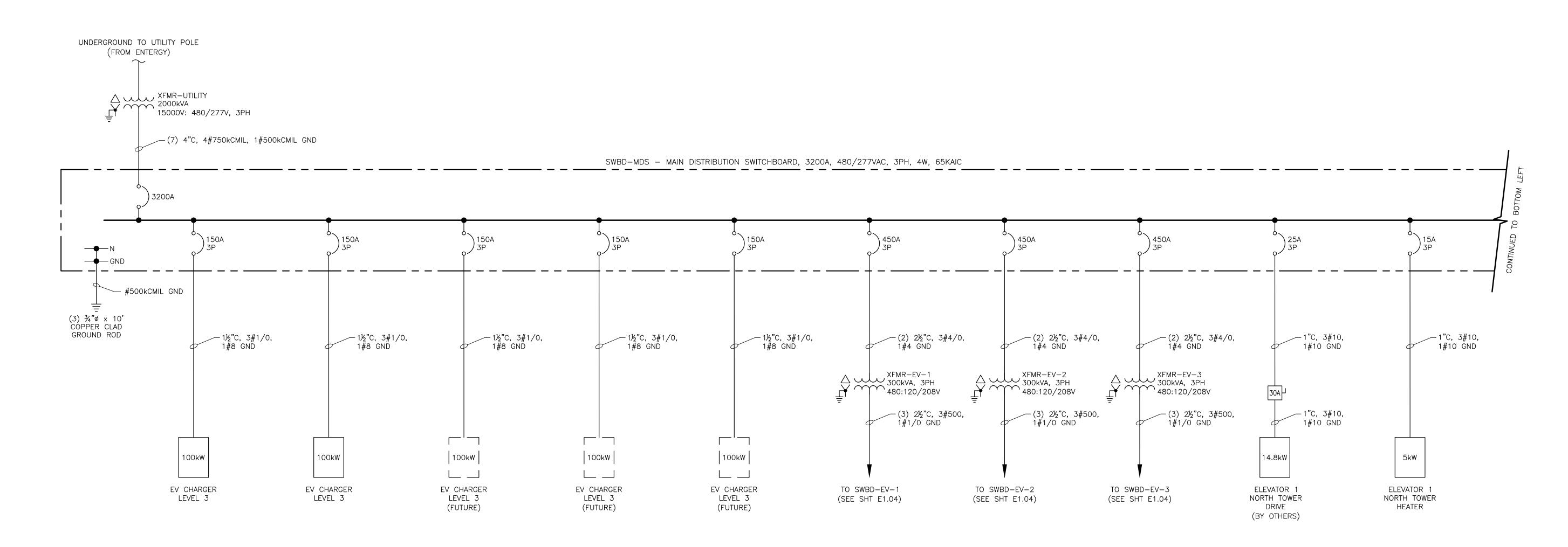


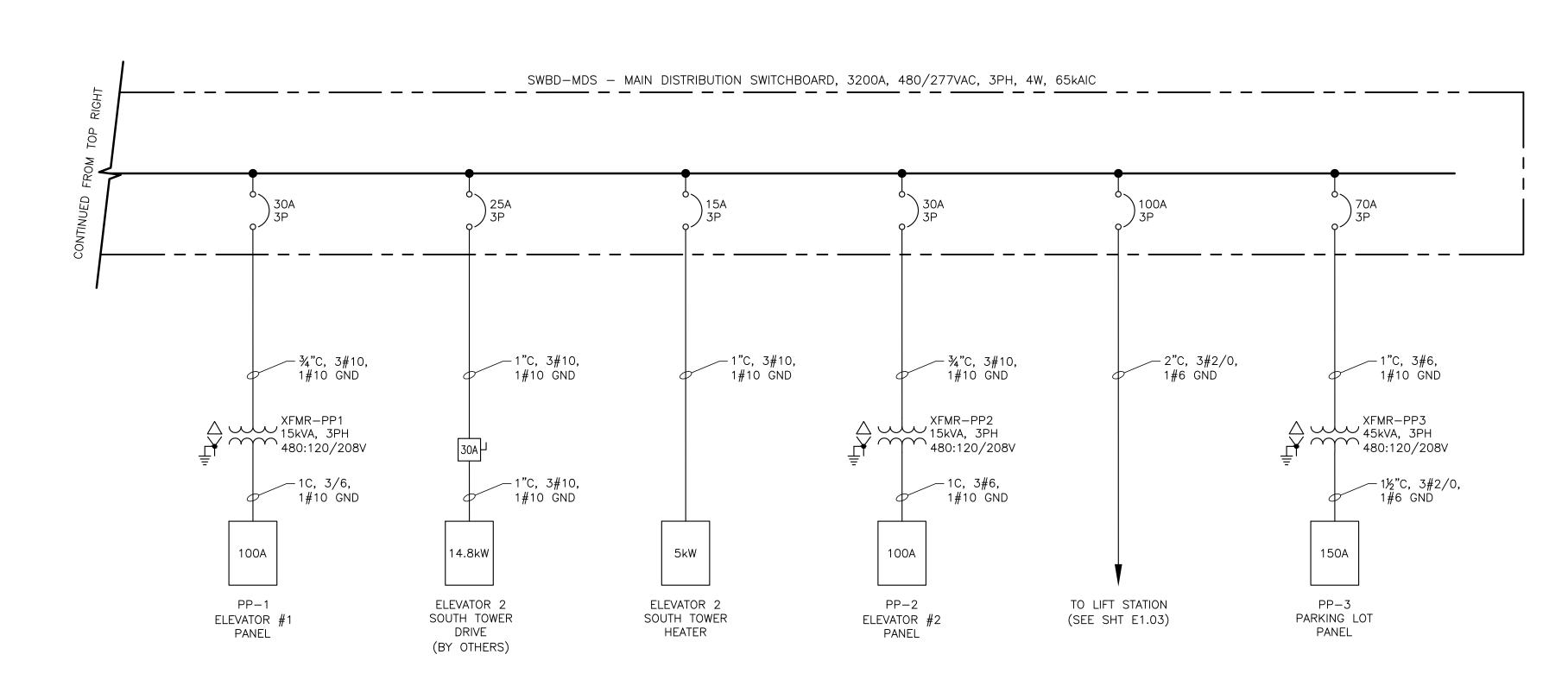


SHEET NUMBER

E1.01

AS





ONE-LINE DIAGRAM

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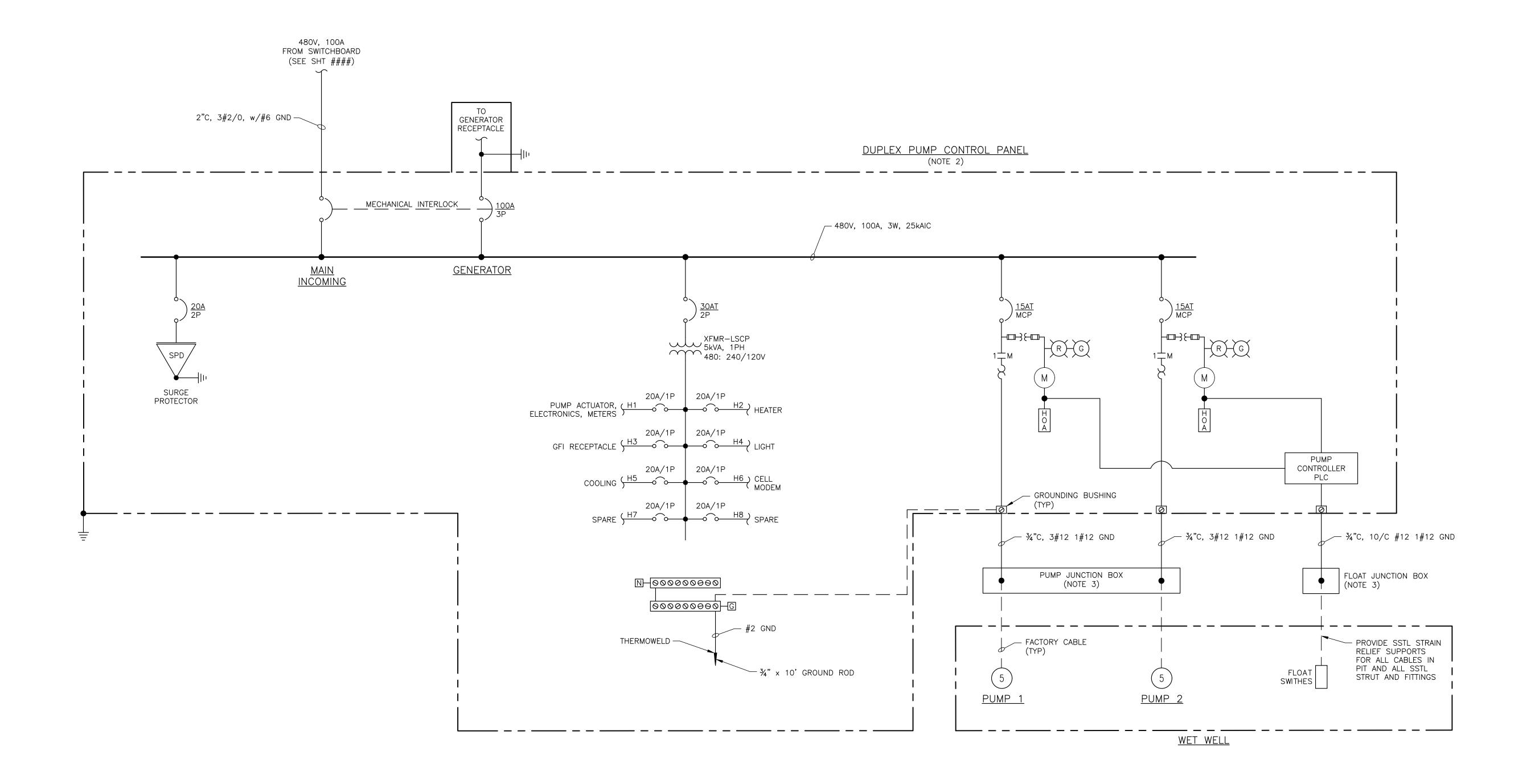
E1.02

AS

DESIGNED M. TORRES
CHECKED J. LAWRENCE
DETAILED G. LALA
CHECKED -

MENTS

- 1. FOR ELECTRICAL GENERALS NOTES, LEGENDS, AND ABBREVIATIONS, SEE SHEETS E1.00 AND E1.01.
- 2. PUMP CONTROL PANEL ENCLOSURE SHOULD BE NEMA 4XSS316 (POWDER
- 3. ALL CONDUITS ENTERING THE WET WELL SHALL HAVE SEALS AS PER THE PROJECT SPECIFICATIONS.



ONE-LINE DIAGRAM - LIFT STATION

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SHEET NUMBER



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SHEET NUMBER

KEY POWER & LIGHTING PLAN

SCALE: 1" = 40'-0"



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MATCHLINE B - SEE SHT E1.13

PARKING LOT POWER AND LIGHTING PLAN

SCALE: 3/32" = 1'-0"







SHEET NUMBER

EIRE NO: -----

ELECTRICAL DUCTBANK

4'-6"

- UNDERGROUND TO UTILITY POLE (FROM ENTERGY)

— 480V ELECTRICAL VEHICLE FAST CHARGING STATIONS (TYP 2 – BY OTHERS)

— 208V ELECTRICAL VEHICLE CHARGING STATIONS (TYP 18 — BY OTHERS)

PARKING LOT POWER AND LIGHTING PLAN

MATCHLINE C - SEE SHT E1.14

SCALE: 3/32" = 1'-0"



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	NAMEPLATE SCHEDULE							
ITEM	SIZE	COLOR (Background/text)	TEXT SIZE	LINE 1	LINE 2	LINE 3		
NP-1	2" X 4"	WHITE/BLACK	3/8"	X	X	X		
NP-2	2" X 4"	WHITE/BLACK	3/8"	X	X	X		
NP-3	2" X 4"	WHITE/BLACK	3/8"	X	X	X		
NP-4	2" X 4"	WHITE/BLACK	3/8"	X	X	X		
NP-5	2" X 4"	WHITE/BLACK	3/8"	X	X	X		
NP-6	2" X 4"	WHITE/BLACK	3/8"	X	X	X		
NP-7	2" X 4"	WHITE/BLACK	3/8"	X	X	X		

	POLE SCHEDULE					
ITEM NO.	ITEM NO. QUANTITY DESCRIPTION					
(P1)	33	25 FOOT, 12 INCH DIAMETER CREOSOTE TREATED TIMBER POLE				
G1)	AS REQ'D	GROUND ROD ¾" X 10' & GROUND ROD CLAMP				

	$\Delta D$	1 4 1	•

	CONTROL PANEL SCHEDULE					
ITEM NO. QUANTITY DESCRIPTION						
(C1)	1	DUPLEX PUMP CONTROL PANEL, 3 PH, PRIMEX				

* OR EQUA
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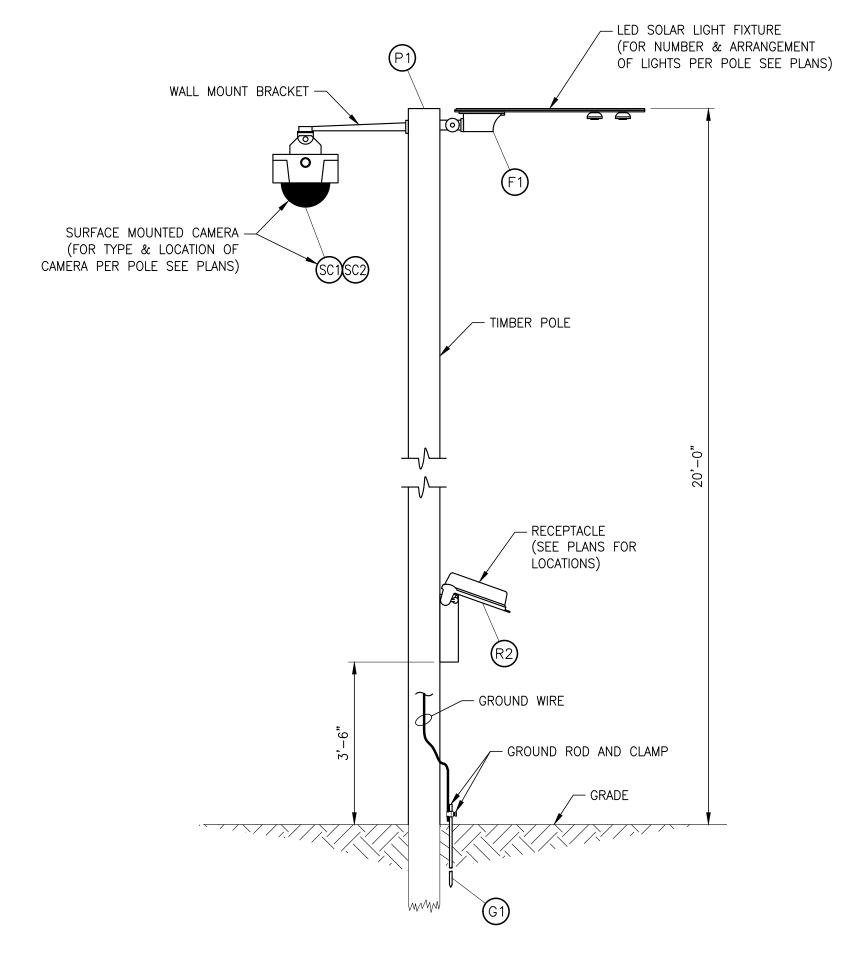
RECEPTACLE SCHEDULE						
ITEM NO. QUANTITY DESCRIPTION						
R1)	2	SIMPLEX RECEPTACLE NON GFI, 120V, 20A (SUMP PUMPS)				
R2)	10	WEATHERPROOF GFCI RECEPTACLE W/ENCLOSURE, 120V, 20A, 1-PH, DUPLEX RECEPTACLE (POLE MOUNT)				

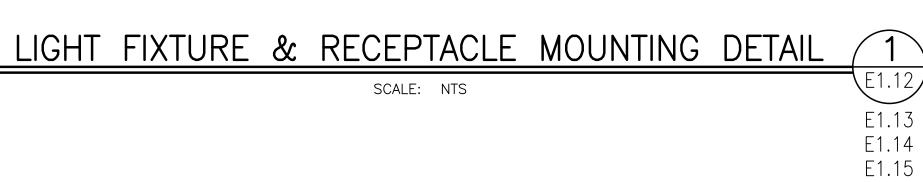
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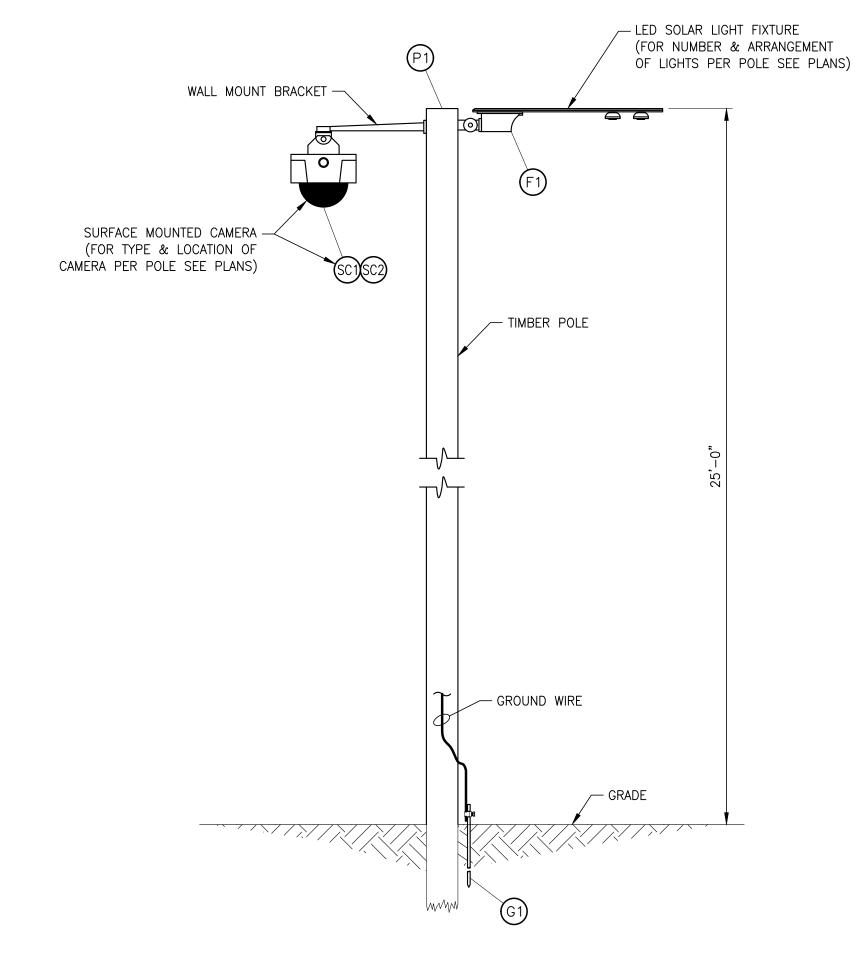
	LIGHT FIXTURE SCHEDULE						
ITEM NO.	QUANTITY	DESCRIPTION					
F1)	GREENVISION 120 CW LED SOLAR STREET LIGHT FIXTURE PHILIPS CAT #BRP715 (PARKING LOT POLE I						
F2	12	LITHONIA LIGHTING VCPG LED (PEDESTRIAN BRIDGE CEILING MOUNT)					
(F3)	10	LED COMPACT WALLPACK, WET LOCATION, COOPER-MCGRAW-EDISON #IST-AF-350-LED-E1-T2-BZ (N & S TOWERS)					
F4	F4) 6 LITHONIA LIGHTING VAPOR TIGHT LED STRIP LIGHT, 120/277V, #CSVT-L48-AL03-MVOLT-SWW3-80CRI (N &						
(F5)	7	BOLLARD LIGHTING					

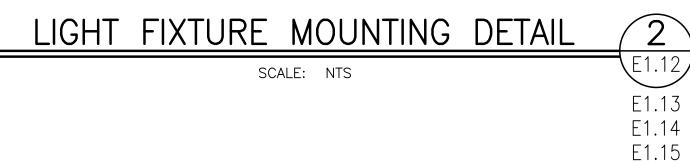
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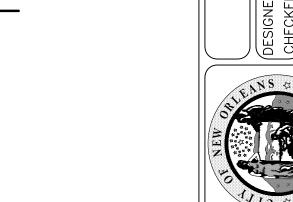
		SECURITY CAMERA SCHEDULE	
	ITEM NO.	QUANTITY	DESCRIPTION
	(SC1)	6	SECURITY CAMERA, POLE OR WALL MOUNTED
:	SC2	7	360 DEGREE SECURITY CAMERA, POLE OR CEILING MOUNTED



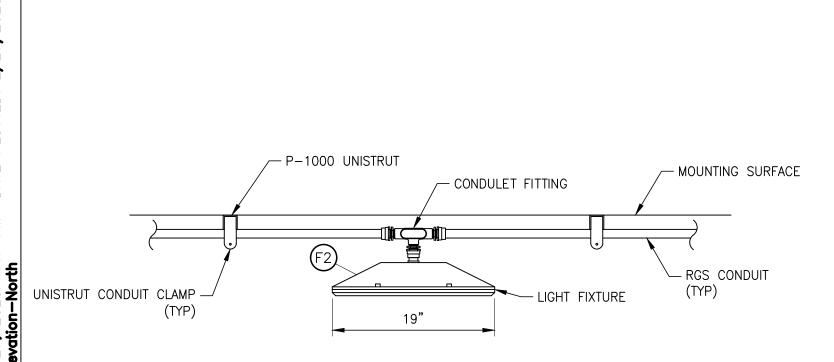


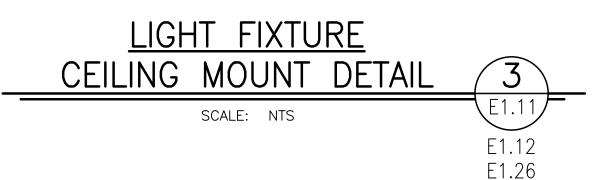


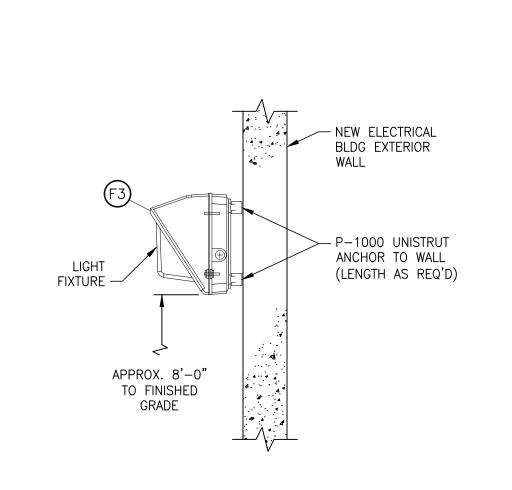


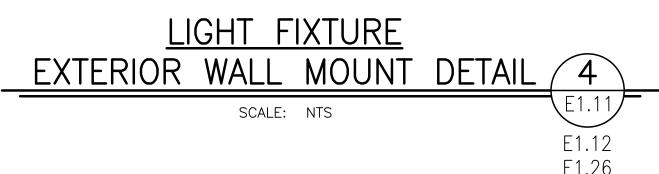


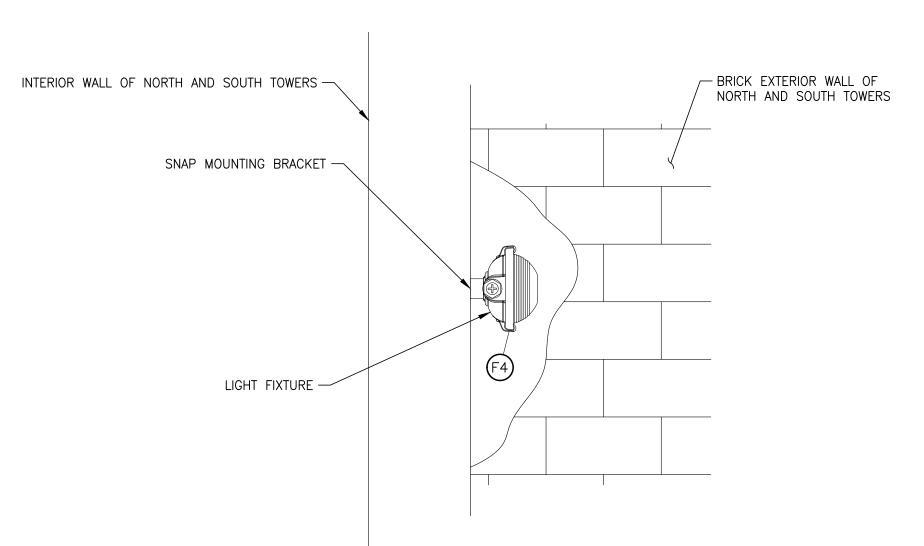
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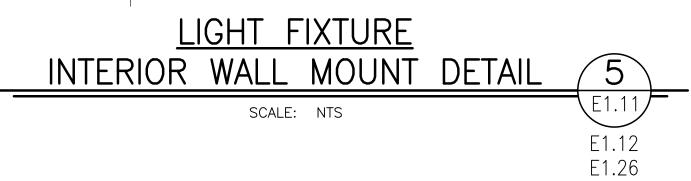


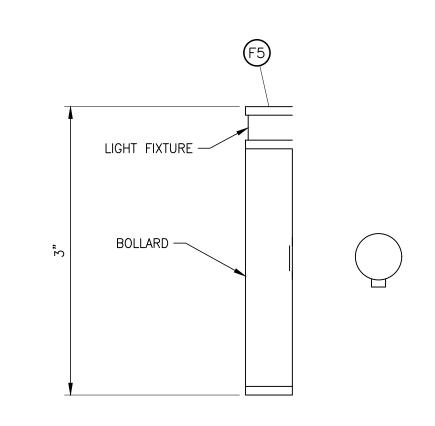










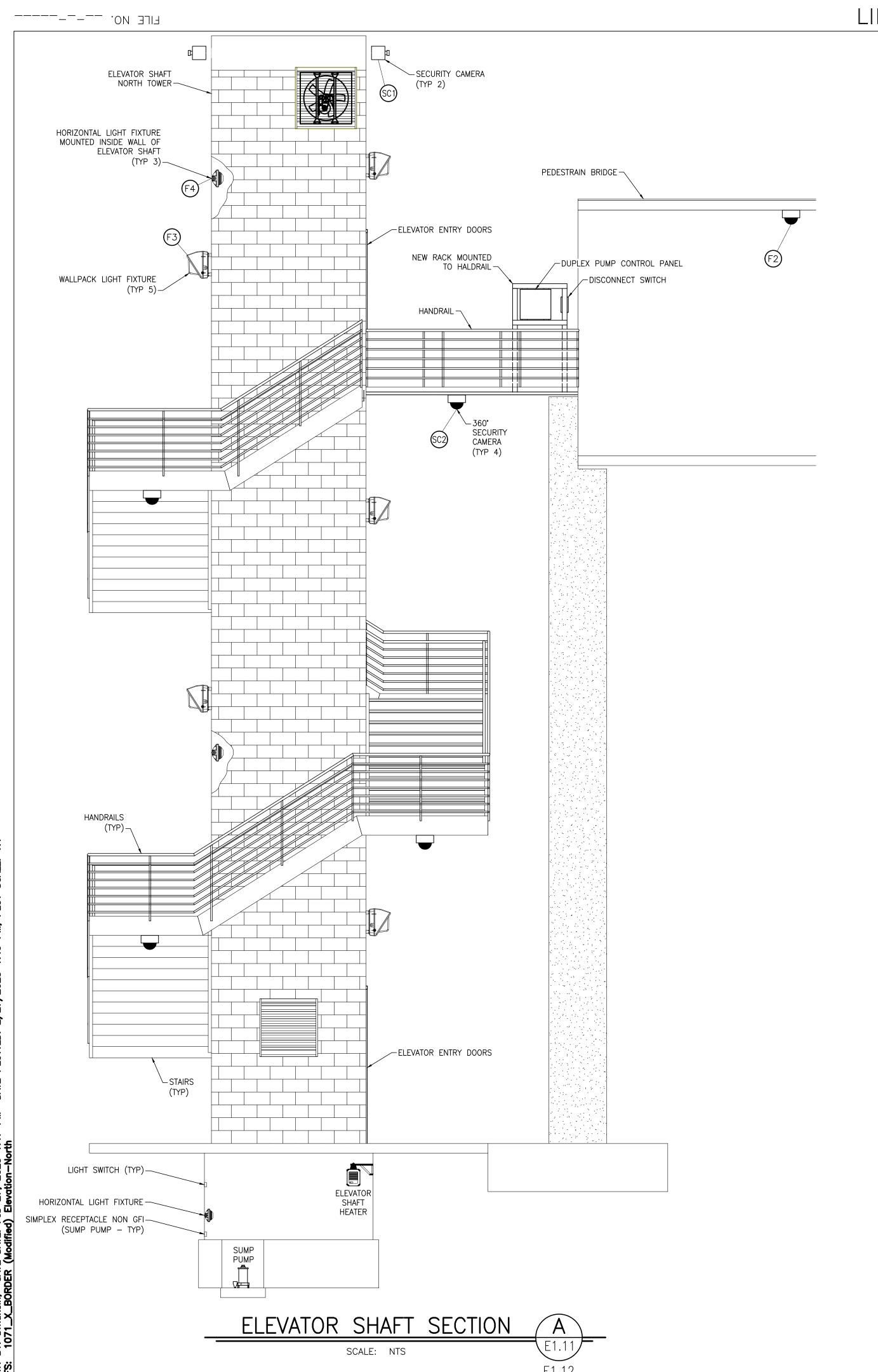


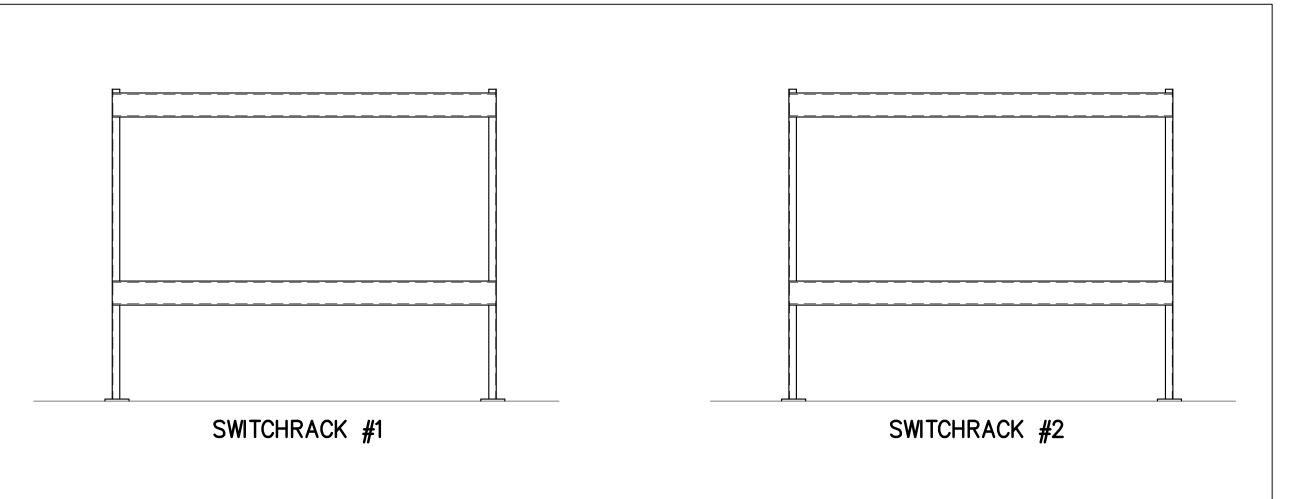


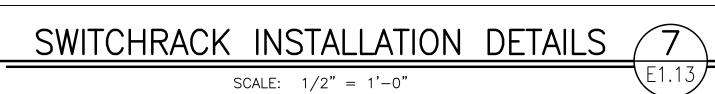


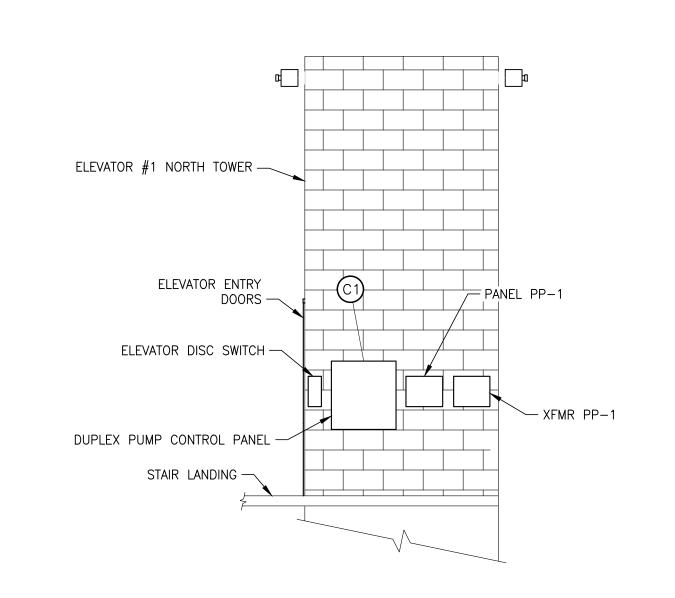


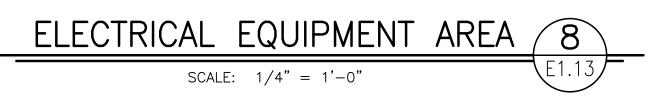


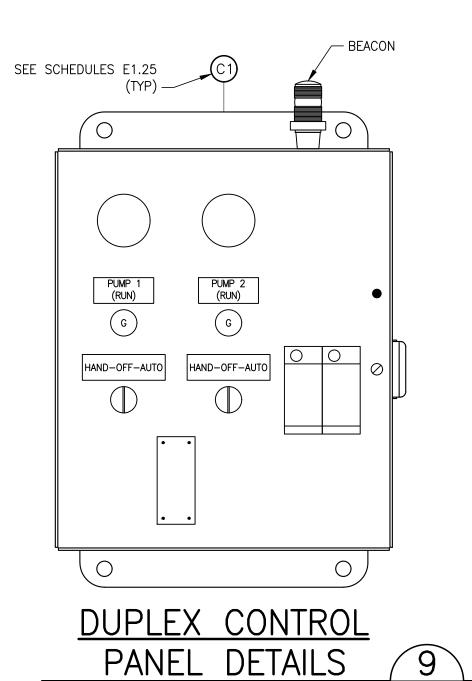












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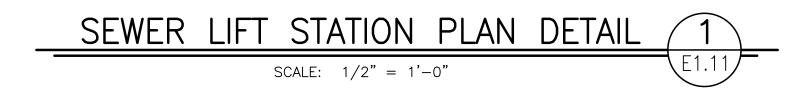


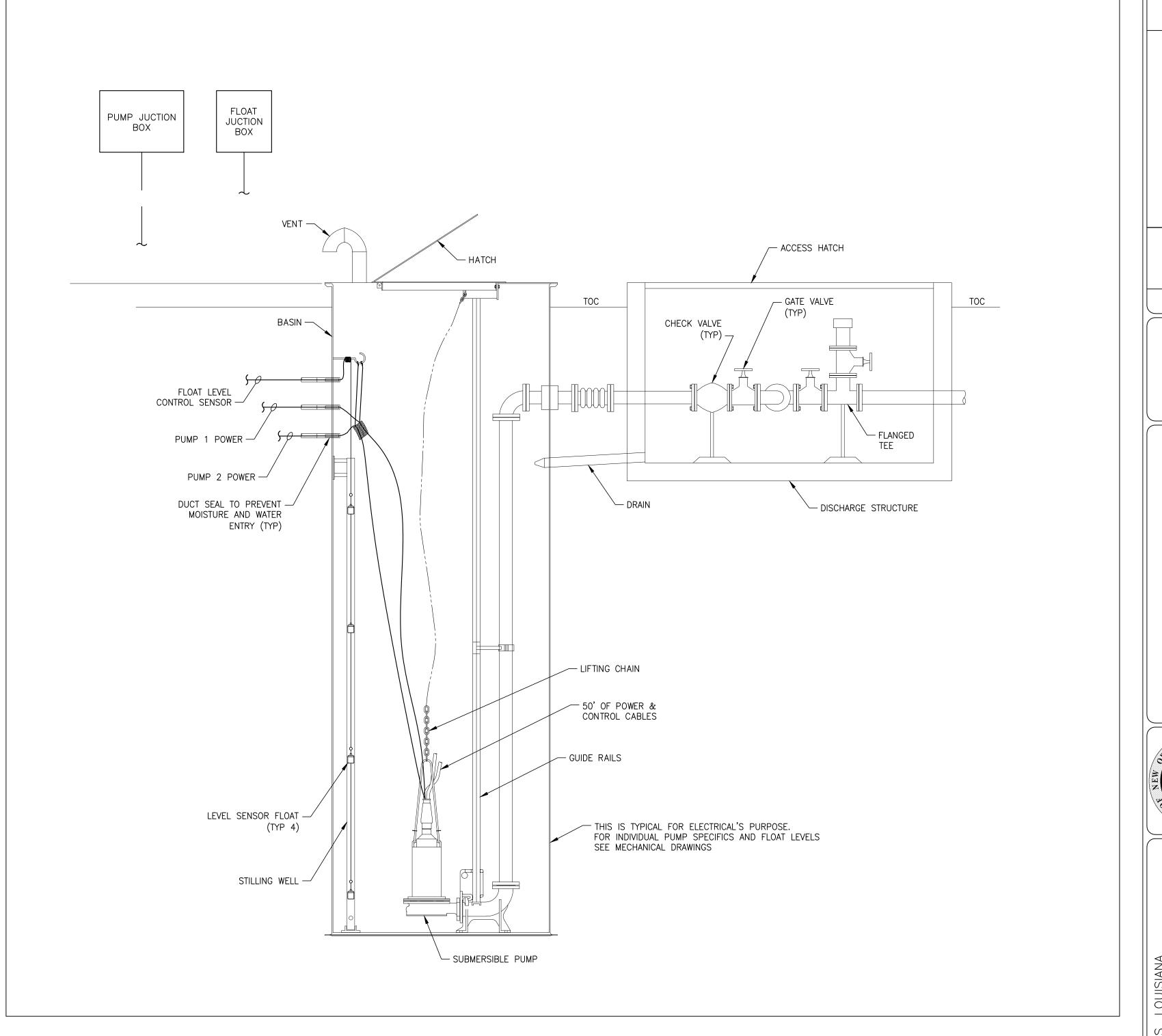




ITY OF NEW ORLEANS, LOUISIANA INCOLN BEACH REDEVELOPMENT ING AND PEDESTRIAN IMPROVEMENTS









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Metairie, LA www.infinityec.com

SHEET NUMBER

CCTV RISER DIAGRAM

SCALE: N.T.S.



EVENT REPORT PRINTER

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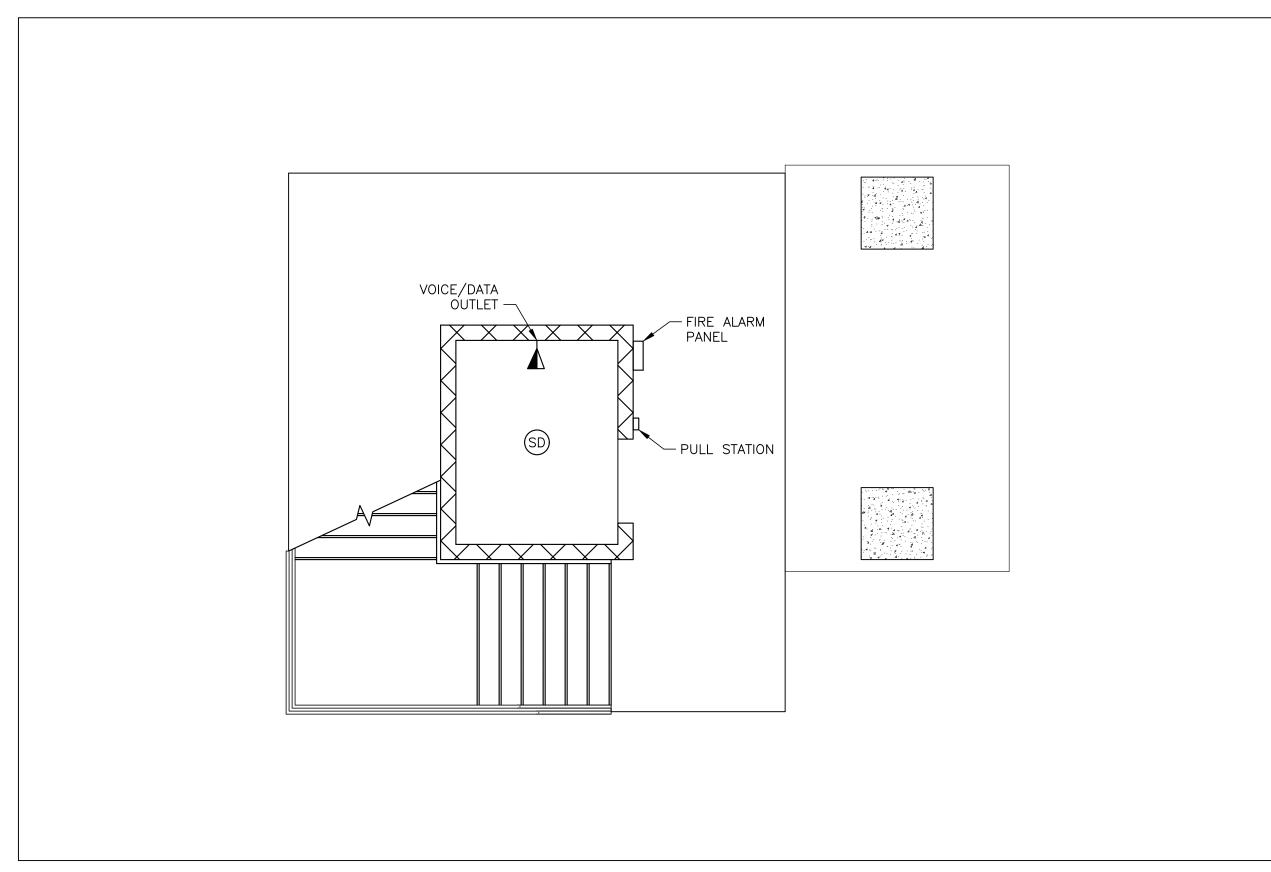








- 1. ACTUAL LOCATIONS OF ALL EQUIPMENT IN THE ELEVATOR SHAFT SHALL BE COORDINATED WITH THE ELEVATOR MANUFACTURER. ADDITIONAL RECEPTACLES SHALL BE PROVIDED IF REQUIRED BY THE ELEVATOR MANUFACTURER.
- 2. ALL CONDUIT ROUTES SHALL BE COORDINATED WITH PLUMBING, FIRE PROTECTION, CIVIL, AND STRUCTURAL.
- 3. FIRE ALARM SYSTEM IS DELEGATED DESIGN. THE SYSTEM SHALL BE DESIGNED AND INSTALLED ACCORDING TO THE LATEST EDITION OF NFPA 72 AND PROJECT NOTES AND SPECIFICATIONS.
- 4. ALL POWER CIRCUITS SHALL BE FIELD-ROUTED USING 3/4" PVC CONDUIT w/MINIMUM #12 CONDUCTORS UNLESS NOTED OTHERWISE.
- 5. AREA OF RESCUE COMMAND CENTER SHALL BE INSTALLED IN THE ELECTRICAL ROOM. COMMAND CENTER SHALL BE CAPABLE OF SUPPORTING AT LEAST (2) REMOTE CALL STATIONS AND BE POWERED BY A BACKUP UPS (UNINTERRUPTIBLE POWER SUPPLY). ONE DOWNSTAIRS AS INDICATED ON THE DRAWINGS AND ONE FOR THE ELEVATOR. 'TALKAPHONE AOR-8' OR EQUIVALENT.
- 6. VOICE/DATA SERVICE SHALL BE COORDINATED THROUGH LOCAL COMMUNICATIONS PROVIDER. ALL VOICE/DATA CIRCUITS FROM COX COMMUNICATIONS'S ROUTER SHALL BE PLENUM RATED CAT5e TWISTED PAIR.
- 7. PHOTOCELL FOR EXTERIOR LIGHTS SHALL BE MOUNTED ON THE ROOF AND FACING NORTH



FIRE ALARM SYSTEM NORTH TOWER PLAN ELEVATION 1

SCALE: 1/4" = 1'-0"

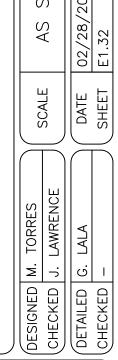
(XXXXX)PULL STATION — FIRE ALARM PANEL — - VOICE/DATA OUTLET

> FIRE ALARM SYSTEM ELEVATION 2 - SOUTH TOWER PLAN SCALE: 1/4" = 1'-0"

E1.32

SHEET NUMBER







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