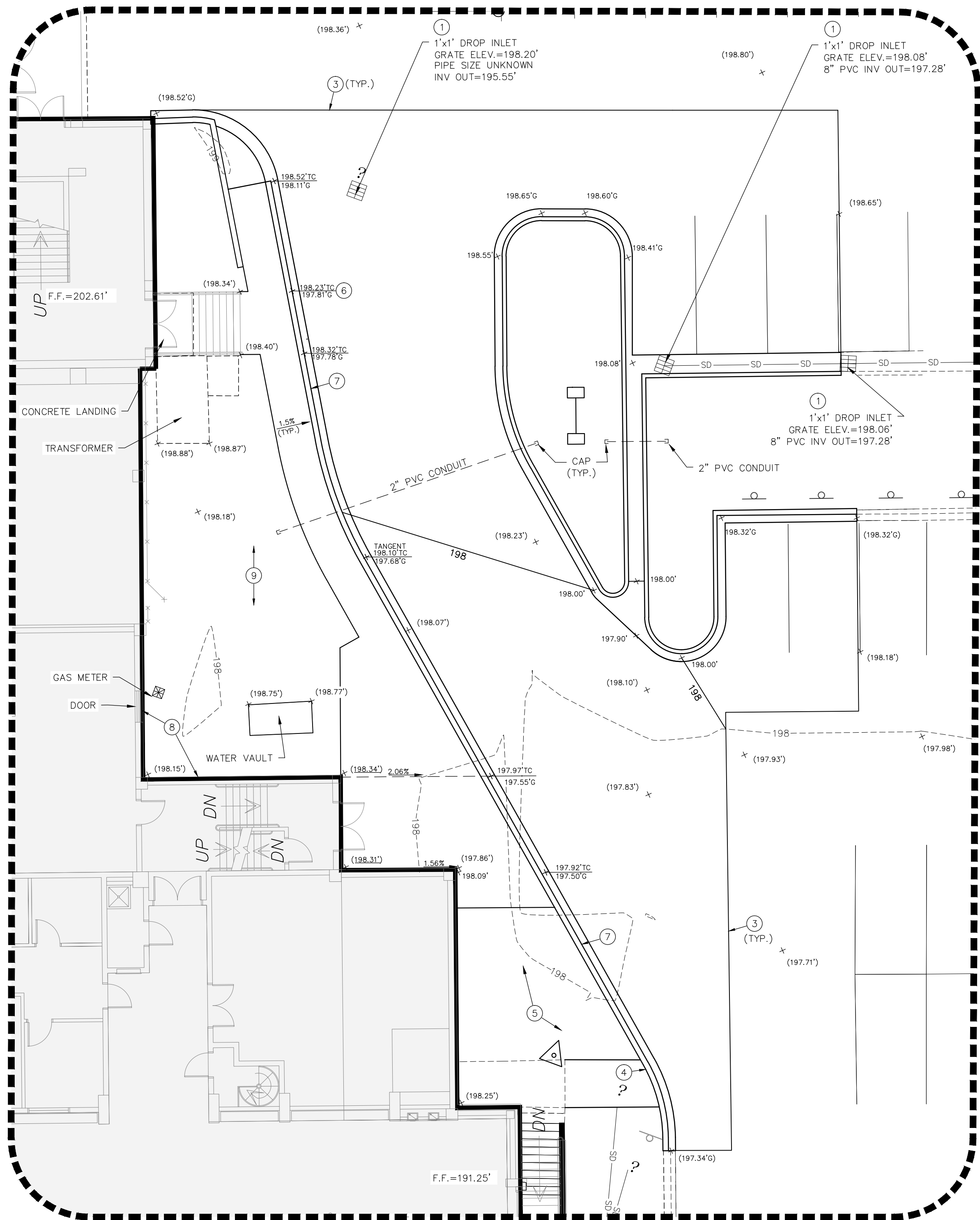


LEGEND		
NEW	EXISTING	DESCRIPTION
N/A	N/A	BENCHMARK/CONTROL POINT
N/A	N/A	PROPERTY LINE/RIGHT OF WAY
N/A	N/A	BUILDING
N/A	N/A	TREE
N/A	N/A	CONTOUR
198.00'	198.00'	SPOT ELEVATION
198.00'	198.00'	SPOT ELEVATION EXISTING/NEW
198.00' TC	N/A	SPOT ELEVATION TOP OF CURB
198.00' G	N/A	SPOT ELEVATION GUTTER
N/A	N/A	FIRE HYDRANT
N/A	N/A	LIGHT POLE
N/A	N/A	WATER VALVE
N/A	N/A	WATER METER
N/A	N/A	CHAIN LINK FENCE
1	N/A	KEY NOTE REFERENCE

- KEY NOTES**
- DROP INLET GRATE ELEVATION TO REMAIN. POUR NEW CONCRETE VALLEY GUTTER AROUND EXISTING GRATES.
 - DROP INLET GRATE ELEVATION TO REMAIN. INSTALL ASPHALT PAVEMENT FLUSH WITH EXISTING GRATE.
 - INSTALL NEW ASPHALT PAVEMENT FLUSH WITH ADJOINING EXISTING PAVEMENT.
 - POUR NEW CONCRETE SIDEWALK FLUSH WITH BACK OF CURB.
 - FINE GRADE THIS AREA, SOUTH TO NEW CURB CONNECTION, FOR POSITIVE DRAINAGE TO PARKING LOTS. SCARIFY EXISTING SOIL TO 6" DEPTH AND INSTALL SOD MATCHING EXISTING "IN KIND". COORDINATE WITH OWNER ON WATER SOURCE FOR TEMPORARY IRRIGATION. IRRIGATE UNTIL ROOTS ARE ESTABLISHED (MINIMUM ONE MONTH).
 - INSTALL CURB ON A 0.40% SLOPE SOUTH TO CONNECTION POINT ON EXISTING CURB (EL. 197.34). INSTALL CURB ON A 2.1% SLOPE NORTH TO END OF CURB (EL. 198.52).
 - CURB HEIGHT ALONG WESTERN SIDE OF DRIVE TO BE 5" TALL.
 - BACKFILL ALONG WALL TO 3" BELOW DOOR ON EASTERN BUILDING WALL TO PROMOTE DRAINAGE TO PARKING LOT.
 - FINE GRADE THIS AREA EAST TO PARKING LOT. ADD TOPSOIL AS NEEDED. SCARIFY EXISTING SOIL TO A 6" DEPTH AND INSTALL SOD MATCHING "IN KIND" IN AREAS NOT COVERED WITH LANDSCAPING. SEE SHEET C2.1. COORDINATE WITH OWNER ON WATER SOURCE FOR TEMPORARY IRRIGATION. IRRIGATE UNTIL ROOTS ARE ESTABLISHED (MINIMUM ONE MONTH).



1
C3.1 ENLARGEMENT

SCALE 1"=10'

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SEAL

SEAL

12/9/2016

PROJECT TITLE

BLATT NATATORIUM ENTRANCE
UPGRADES

1300 Wheat Street
Columbia, SC 29208
Project No.: HZ7-2283

REVISIONS		DATE
NO.	NAME	

DRAWN BY:	RPL
CHECKED BY:	RBT

DRAWING TITLE

GRADING AND UTILITIES PLAN

PROJECT NO.

170126

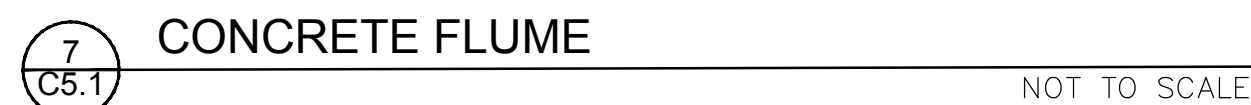
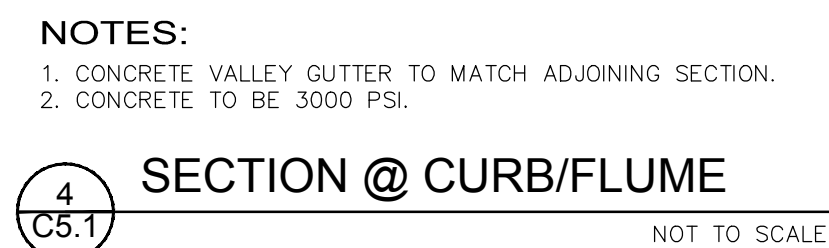
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C3.1





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GENERAL NOTES

- 1 LIGHT FIXTURE BEING RELOCATED IS CIRCUITED FROM EXISTING ELECTRICAL ROOM SHOWN ON PLAN. COORDINATE WITH USC MAINTENANCE FOR EXACT LOCATION OF BRANCH CIRCUIT SOURCE.
- 2 ALL ELECTRICAL EQUIPMENT TO BE REMOVED SHALL REMAIN THE PROPERTY OF THE OWNER. THE CONTRACTOR SHALL NOT DISPOSE OF ANY MATERIALS UNTIL RELEASED BY OWNER'S PROJECT MANAGER. MATERIALS THAT OWNER'S PROJECT MANAGER CHOOSES TO RETAIN SHALL BE DELIVERED BY THE CONTRACTOR TO A LOCATION DESIGNATED BY THE PROJECT MANAGER. ALL OTHER MATERIALS SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR.
- 3 BRANCH CIRCUIT WIRING SHALL BE NO. 10 AWG UNLESS NOTED OTHERWISE. WHERE CONDUCTOR AND RACEWAY SIZE ARE SHOWN AT HOMERUN, SUCH SIZE SHALL BE USED FOR THE ENTIRE CIRCUIT. EXCEPTION: FINAL CONNECTION TO FIXTURE, IS NOT REQUIRED TO BE LARGER THAN NO. 12 AWG.
- 4 COORDINATE THE EXACT LOCATION OF POLE AND HANDHOLE LOCATIONS IN THE FIELD WITH GENERAL CONTRACTOR PRIOR TO WORK.
- 5 ALL RACEWAYS SHALL BE SCHEDULE 40 PVC CONDUIT WITH LONG SWEEP RIGID ELBOWS. MINIMUM CONDUIT SIZE SHALL BE 3/4". RACEWAYS SHALL BE A MINIMUM OF 24" BELOW TOP OF FINISHED GRADE.
- 6 ALL CONDUCTORS SHALL BE COPPER THHN/THWN-2 IN RACEWAY. MINIMUM CONDUCTOR SIZE SHALL BE #12 AWG. WHEN EXTENDING EXISTING BRANCH CIRCUITS, USE SAME SIZE WIRE AS EXISTING TO POLE HANDHOLE. REPLACE EXISTING WIRE IN POLE TO FIXTURE WITH SAME SIZE AS CURRENTLY INSTALLED.
- 7 ALL SPLICES SHALL BE RATED FOR DIRECT WATER IMMERSION.

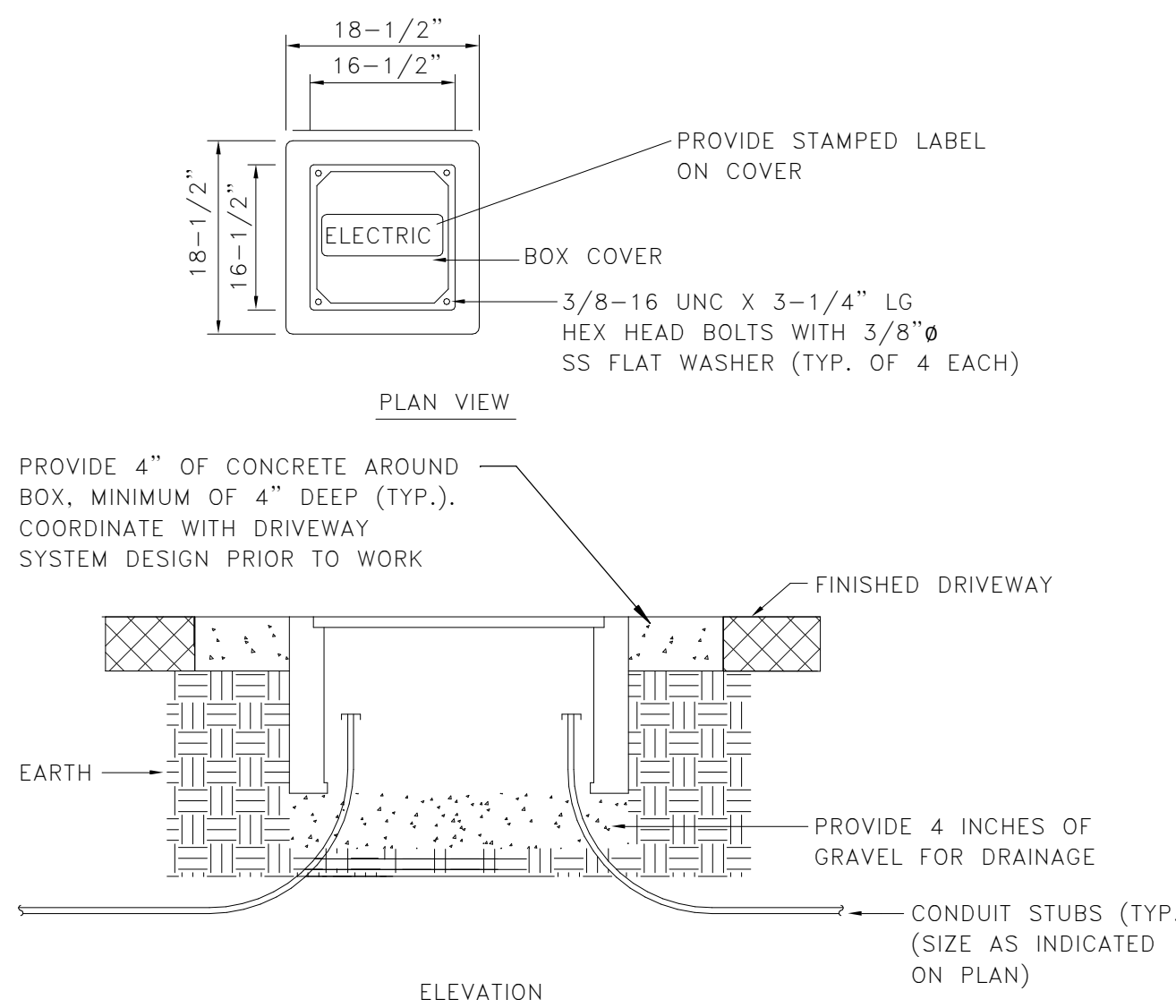
KEY NOTES

- 1 EXISTING HANDHOLE SHALL BE REPLACED WITH A DRIVE-RATED HANDHOLE. SEE DETAIL 3/E1.1. MAINTAIN INTEGRITY OF EXISTING RACEWAYS AND BRANCH CIRCUITS.
- 2 TWO EXISTING 1000-WATT METAL HALIDE FLOOD LIGHTS MOUNTED ON TOP OF AN EXISTING 40" TAPERED ROUND METAL POLE MOUNTED ON A CONCRETE POLE BASE THAT EXTENDS APPROXIMATELY 3' ABOVE GRADE. POLE AND FLOOD LIGHTS SHALL BE CAREFULLY TAKEN DOWN AND RELOCATED TO NEW LOCATION SHOWN ON RENOVATION PLAN. PROVIDE CONCRETE BASE AS DEFINED IN DETAIL 4/E1.1. CLEAN EXISTING PHOTOMETRIC SURFACES ON FLOOD LIGHTS AND RE-LAMP PRIOR TO RE-INSTALLATION. COORDINATE AIMING OF FLOOD LIGHTS WITH USC.
- 3 EXTEND EXISTING BRANCH CIRCUIT BELOW GRADE FROM HANDHOLE TO NEW POLE LOCATION.

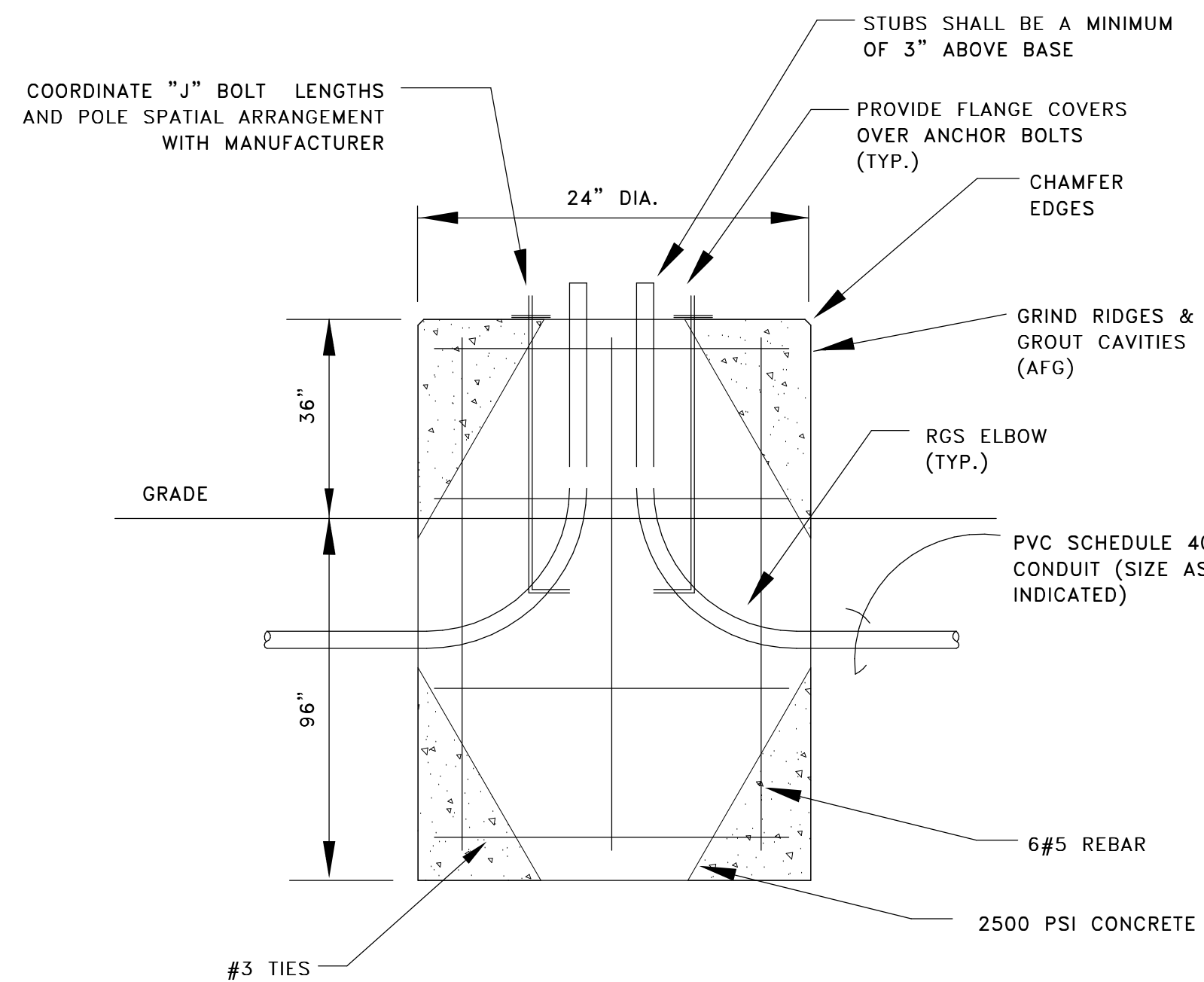
DEMOLITION/RENOVATION NOTATION

- IF NO ANNOTATION IS SHOWN ASSUME EXISTING TO REMAIN IN PLACE FOR SOLID LINES AND DEMOLISH FOR DASHED LINES. DEVICES AND EQUIPMENT NOT SHOWN SHALL BE ASSUMED TO BE EXISTING TO REMAIN IN PLACE.
- E EXISTING FIXTURE OR DEVICE TO REMAIN IN PLACE. REPLACE ANY BROKEN DEVICES OR PLATES; COLOR TO MATCH EXISTING.
- R EXISTING FIXTURE OR DEVICE TO BE REMOVED BY THE ELECTRICAL CONTRACTOR. MAINTAIN CONTINUITY OF REMAINING PORTIONS OF BRANCH CIRCUIT.
- RE EXISTING DEVICE TO BE REMOVED BY THE ELECTRICAL CONTRACTOR. EXISTING CIRCUIT SHALL BE RETAINED. PROVIDE NEW DEVICE AS SHOWN ON RENOVATION PLANS.
- RN RELOCATED FIXTURE (NEW LOCATION).
- RR EXISTING FIXTURE TO BE RELOCATED BY THE ELECTRICAL CONTRACTOR TO NEW LOCATION SHOWN ON RENOVATION PLAN.

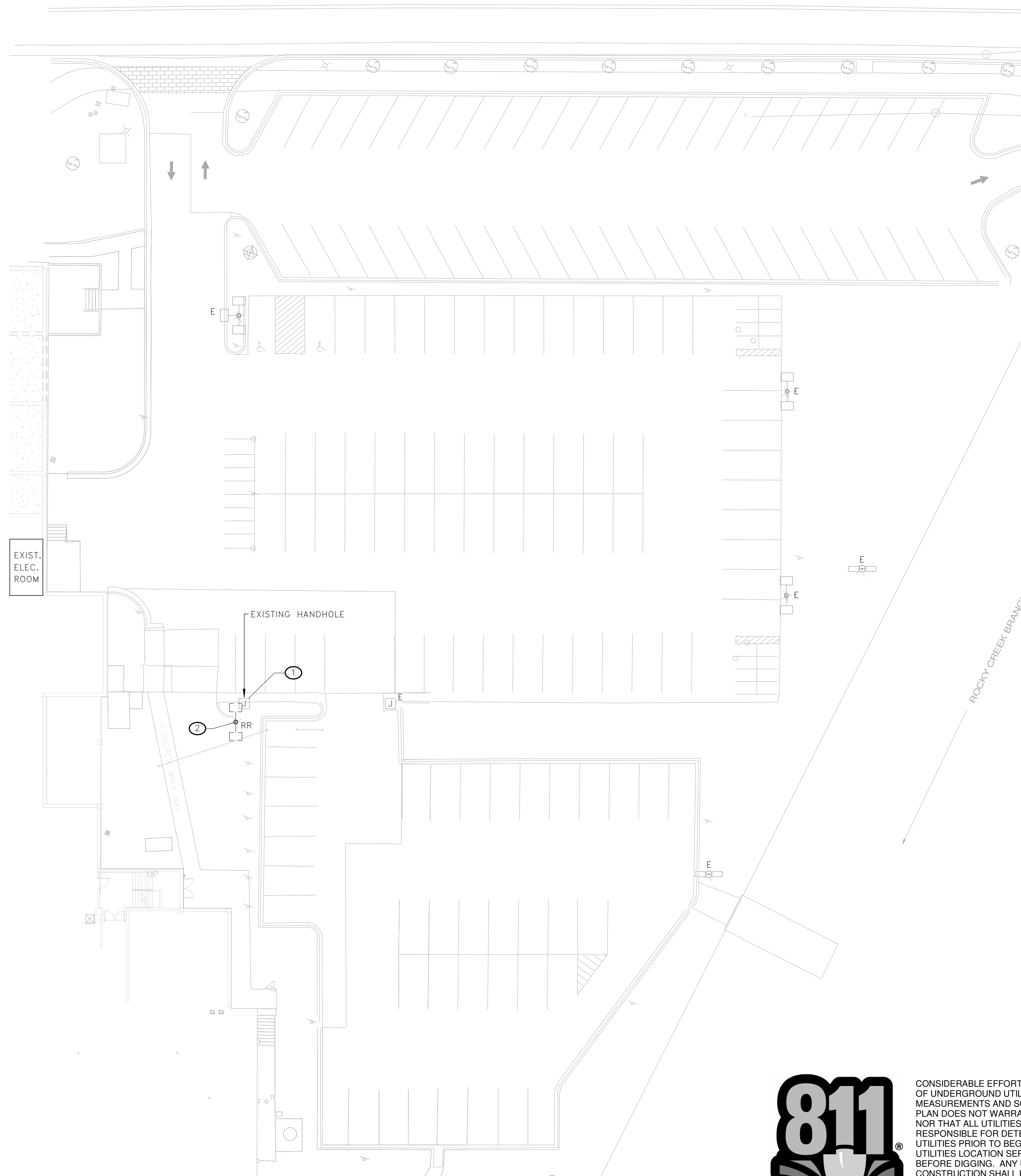
MANUFACTURER: CONCAST HZO RATED HEAVY TRAFFIC HANDHOLE OR APPROVED EQUAL
MODEL: FH4-18-12-E



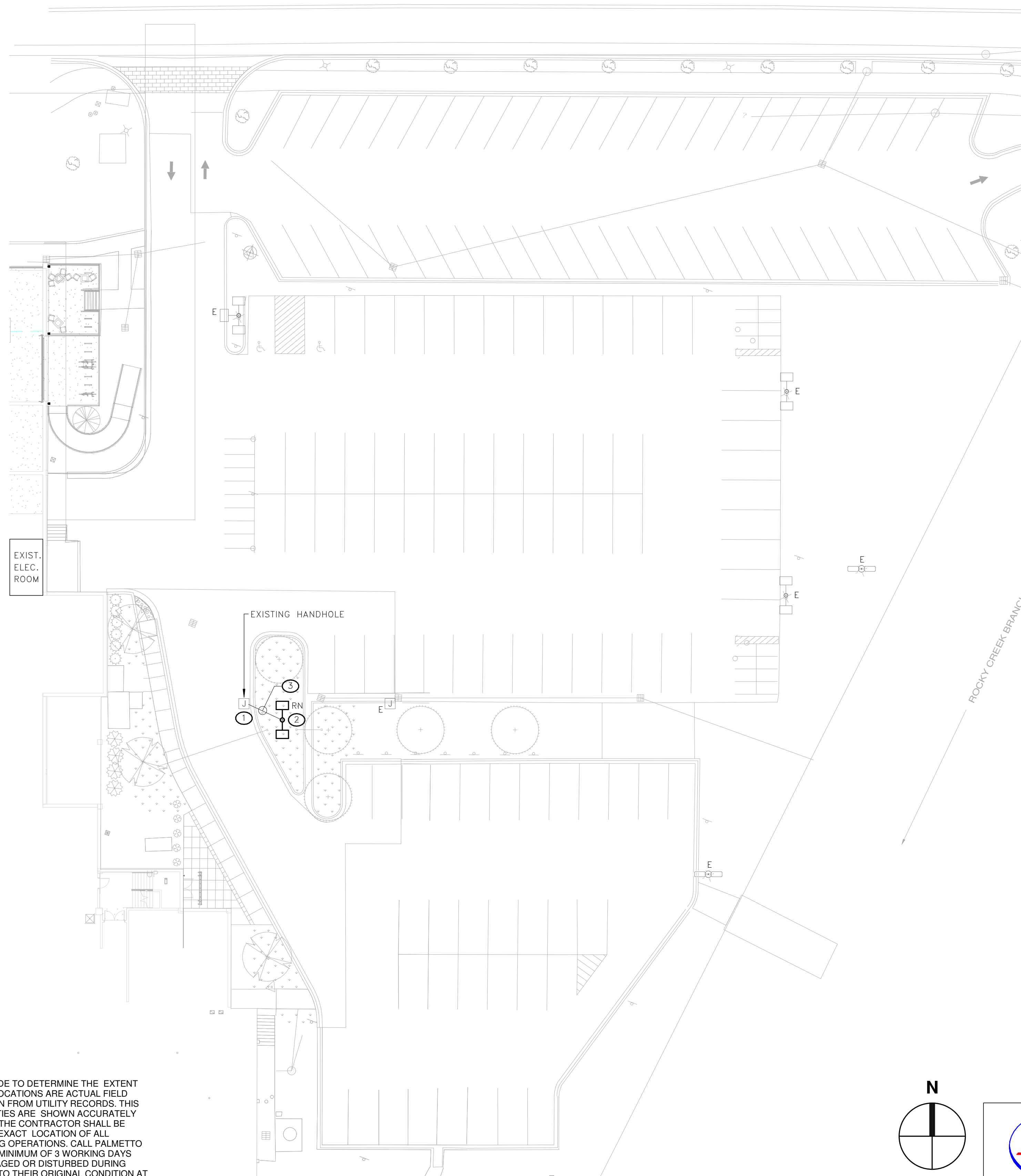
3 LARGE HANDHOLE DETAIL
E1.1 SCALE: NOT TO SCALE



4 POLE DETAIL - CONCRETE BASE
E1.1 SCALE: NOT TO SCALE



1 ELECTRICAL SITE DEMOLITION PLAN
E1.1 SCALE: 1" = 20'-0"

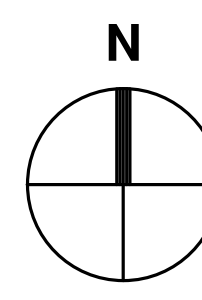


2 ELECTRICAL SITE RENOVATION PLAN
E1.1 SCALE: 1" = 20'-0"



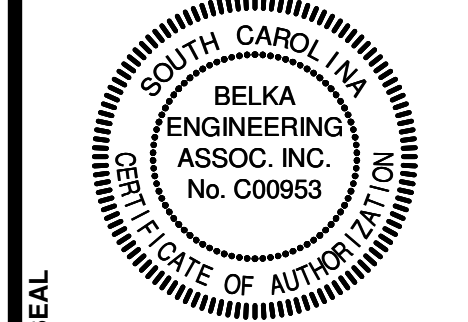
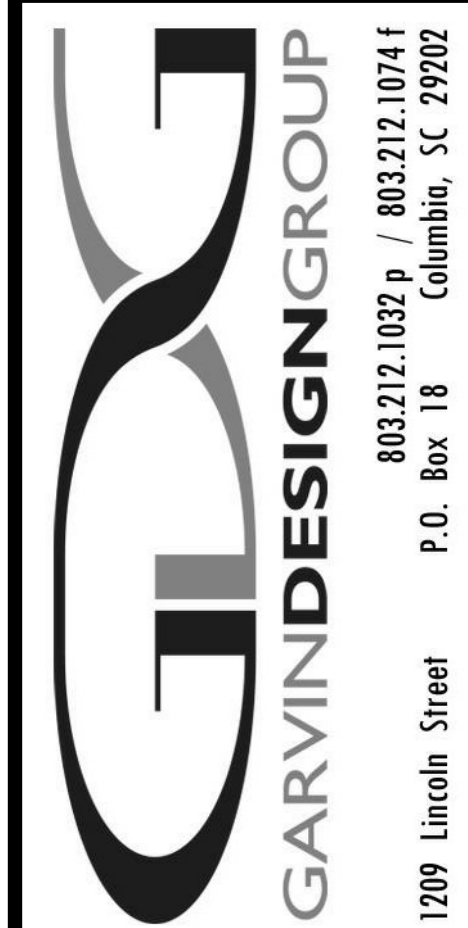
CONSIDERABLE EFFORT HAS BEEN MADE TO DETERMINE THE EXTENT OF UNDERGROUND UTILITIES. SOME LOCATIONS ARE ACTUAL FIELD MEASUREMENTS AND SOME ARE TAKEN FROM UTILITY RECORDS. THIS PLAN DOES NOT WARRANT THAT UTILITIES ARE SHOWN ACCURATELY NOR THAT ALL UTILITIES ARE SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL UTILITIES PRIOR TO BEGINNING DIGGING OPERATIONS. CALL PALMETTO UTILITIES LOCATION SERVICE AT 811 A MINIMUM OF 3 WORKING DAYS BEFORE DIGGING. ANY UTILITIES DAMAGED OR DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE. ADDITIONALLY, THE CONTRACTOR SHALL CONFIRM THE CONNECTION POINTS OF NEW UTILITIES TO EXISTING UTILITIES PRIOR TO BEGINNING NEW CONSTRUCTION.

0 20 40 60 80
SCALE: 1" = 20'-0"



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GA21614



PROJECT TITLE
**BLATT NATATORIUM ENTRANCE
UPGRADES**

1300 Wheat Street
Columbia, SC 29208
Project No.: H27-2293

REVISIONS	NO.	NAME	DATE

DRAWN BY: JJA
CHECKED BY: JJA
DATE: 01/06/17

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DRAWING TITLE
ELECTRICAL PLANS

PROJECT NO.: U2416
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DRAWING NO.: **E1.1**