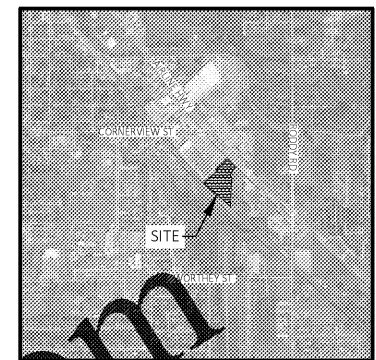
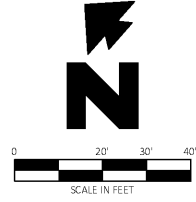


SITE BENCHMARK
 TBM #1
 F.I.R. SPIKE IN
 POWER POLE
 ELEVATION = 8.88'



Know what's below.
 Call before you dig.



NOTE:
 SEE ARCHITECTURAL PLANS FOR EXACT LOCATIONS
 AND DIMENSIONS OF PORCHES, RAMPS, VESTIBULE,
 SLOPED PAVING, TRUCK DOCKS, BUILDING UTILITY
 ENTRANCE LOCATIONS AND PRECISE BUILDING
 DIMENSIONS.

Vicinity Map
 Not to Scale

LEGEND

EXISTING	
NORTH	OVERHEAD TELEPHONE
OVERHEAD SOUTH OR SEWER	OVERHEAD TV
TELEPHONE	SANITARY SEWER
UNDERGROUND	UNDERGROUND ELECTRIC
WEST OR WATER	UNDERGROUND ELECTRIC AND TELEPHONE
PROPERTY LINE	UNDERGROUND TELEPHONE
RIGHT OF WAY LINE	UNDERGROUND TV
STORM DRAIN	WATER
GAS	TREE INFO
OVERHEAD ELECTRIC	S = DIAMETER OF TRUNK IN FEET
OVERHEAD ELECTRIC AND TELEPHONE	10 = HEIGHT OF TREE IN FEET
	11 = CANOPY DIAMETER IN FEET
	30.5 = ELEVATION AT BASE OF TREE

PROPOSED

---	PROPERTY LINE/RIGHT OF WAY LINE
---	GRADE BREAK
XXX	CONTOUR ELEVATIONS
---	STORM DRAIN
x XX.XX	SPOT ELEVATIONS: TC = TOP OF CURB G = GUTTER FG = FINISHED GRADE FFE = FINISHED FLOOR ELEVATION GR = GRATE

GENERAL GRADING NOTES

- PRIOR TO INSTALLATION OF STORM OR SANITARY SEWER, THE CONTRACTOR SHALL EXCAVATE, VERIFY, AND CALCULATE ALL CROSSINGS AND INFORM THE OWNER AND THE ENGINEER OF ANY CONFLICTS PRIOR TO CONSTRUCTION. THE ENGINEER WILL BE HELD HARMLESS IN THE EVENT THE ENGINEER IS NOT NOTIFIED OF DESIGN CONFLICTS.
- ALL SLOPES AND AREAS DISTURBED BY CONSTRUCTION SHALL BE GRADED SMOOTH AND 4" OF TOPSOIL APPLIED. IF ADEQUATE TOPSOIL IS NOT AVAILABLE ON SITE, THE CONTRACTOR SHALL PROVIDE TOPSOIL, APPROVED BY THE OWNER, AS NEEDED. THE AREA SHALL THEN BE SEED, FERTILIZED, MULCHED, WATERED AND MAINTAINED UNTIL HARDY GRASS GROWTH IS ESTABLISHED IN ALL AREAS (SEE LANDSCAPE PLAN FOR SEED MIX AND PROPER APPLICATION RATE). ANY AREAS DISTURBED FOR ANY REASON PRIOR TO FINAL ACCEPTANCE OF THE PROJECT SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES.
- UNLESS OTHERWISE SHOWN, CALLED OUT OR SPECIFIED HEREON OR WITHIN THE SPECIFICATIONS, ALL STORM DRAIN PIPE BEDDING SHALL BE INSTALLED PER DETAIL 28A. ALL STORM DRAIN PIPES ARE MEASURED FROM CENTER OF STRUCTURES AND ENDS OF FLARED END SECTIONS.

GRADING NOTES

- 09D FLARED END SECTION
- 18D MATCH EXISTING PAVEMENT ELEVATIONS
- 73A ADA AREA, NO MORE THAN 2% SLOPE IN ANY DIRECTION.

GRADING DETAILS

- 17A CURB CUT
- 18A CONCRETE WEIR
- 23E COMBINATION INLET
- 28A STORM SEWER TRENCH AND BEDDING

FLOOD MITIGATION SUMMARY

BECAUSE OF THE ESTABLISHED BASE FLOOD ELEVATION, A SIGNIFICANT AMOUNT OF FILL IS PROPOSED TO BE PLACED ON-SITE. DUE TO THIS, MITIGATION MEASURES ARE REQUIRED. THE VOLUME FILLED BETWEEN EXISTING GRADE AND THE BASE FLOOD ELEVATION IS REQUIRED TO BE OFFSET BY CUTTING BELOW EXISTING GRADE. APPROXIMATELY, THE FILL VOLUME ABOVE THE BFE IS 75,437 CUBIC FEET, AND THE POND DESIGNED TO OFFSET THE VOLUME HAS CUT VOLUME OF APPROXIMATELY 105,171 CUBIC FEET.

(M) S 43°59'23" E 199.46'

(M) 88.39'

S 45°39'02" W

S 03°25'10" W

42.00'

S 13°42'00" E

113.00'

S 03°25'10" W

7.18'

N 46°42'06" E 278.47'

N 43°17'54" W 22.61'

N 43°17'54" W 359.75'

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 PROFESSIONAL ENGINEER
 CIVIL ENGINEERING
 09/12/2019

6 DIGIT NO.: 902556
 4 DIGIT NO.: 014W
 ENTITY ID NO.: 1392476
 SITE ID NO.: 2496
 PROPERTY NO.: 160013

FILE NAME: 31214 GP.dwg
 CEI PROJECT NUMBER: 31214
 REVISION: REV-1 DATE: 9/11/19
 REVISION #1 - 9/11/19

BID SET
 11.18.19
 TRCI

SHEET TITLE:
 GRADING PLAN

SHEET NUMBER:
 C3

JOB # 31214 DRAWING: 31214_G0.dwg LAST SAVED BY: BHARTY