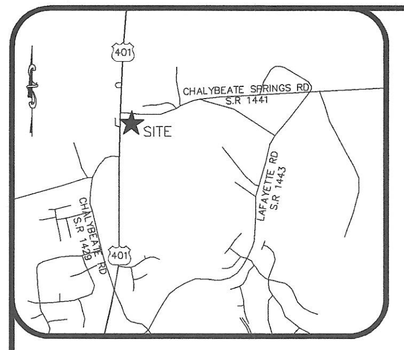


SITE NOTES

1. INSTALL NEW TEMPORARY CONSTRUCTION ENTRANCE (2 EACH)(SEE DETAIL ON SHEET #10)
2. INSTALL NEW TEMPORARY SILT FENCE AS SHOWN (SEE DETAIL ON SHEET #10)
3. INSTALL NEW TYPE 'A' TEMPORARY SEDIMENT STORAGE ZONES AT PROPOSED DRAINAGE STRUCTURES (SEE LEGEND FOR SIZING & DETAIL FOR INSTALLATION ON SHEET #6)
4. INSTALL NEW TEMPORARY SILT FENCE OUTLET (2 EACH) (SEE DETAIL ON SHEET #10)
5. INSTALL NEW TEMPORARY STONE CHECK DAMS (5 EACH) (SEE DETAIL ON SHEET #10)
6. INSTALL 35 LINEAR FEET OF FILCOTEN 300 CONCRETE TRENCH DRAIN CHANNEL WITH 12" DUCTILE IRON (EXTRA HEAVY DUTY ADA) TOP GRATE AND 8" OUTLET PIPE SLOPED INTO CB. INSTALL NEW TRENCH DRAIN ABOVE NEW 15" RCP (SEE DETAIL ON SHEET # 10) (TOP ELEV.=333.80')
7. TEMPORARY SEDIMENT TRAP #1 (SEE TEMPORARY SEDIMENT STORAGE ZONE LEGEND ON SHEET #6)
8. TEMPORARY DIVERSION BERM WITH WATTLES (SEE DETAIL ON SHEET #10 & #11)
9. HEAVY DUTY ASPHALT PAVEMENT SEE SHEET #4 FOR EXTENT (SEE DETAIL ON SHEET #10)
10. REGULAR DUTY ASPHALT PAVEMENT SEE SHEET #4 FOR EXTENT (SEE DETAIL ON SHEET # 10)
11. CONCRETE ACCESSIBLE PARKING AREA (SEE DETAIL ON SHEET #14)
12. CONCRETE DUMPSTER PAD AND APRON (SEE DETAIL ON SHEET #14)
13. ACCESSIBLE HANDICAP SIDEWALK RAMP (SEE DETAIL ON SHEET #14)
14. PLANTER BOX WITH 6"x12" CONCRETE CURB (FLUSH WITH WALK)
15. REMOVE EXISTING 15" RCP & INSTALL NEW 20' LINEAR FEET – 15" RCP @ 3' INSIDE RIGHT OF WAY MAINTAIN SAME INVERT GRADES AS EXISTING PIPE. INSTALL NEW 6" GRAVEL DRIVE TO RIGHT OF WAY (MATCH EXISTING WIDTH)
16. REGRADE DITCH AS PER DETAIL IN THIS AREA
17. EXTEND NEW 16' LINEAR FEET – 18" RCP (NEW INVERT IN = 321.08') PROVIDE CONCRETE COLLAR AT TRANSITION POINT (SEE DETAIL ON SHEET #14)
18. GAS PUMP CONCRETE PAD (SEE DETAIL ON SHEET #14)
19. DIESEL PUMP CONCRETE PAD (SEE DETAIL ON SHEET #14)
20. PROPOSED UNDERGROUND STORMWATER STORAGE (SEE DETAIL SHEET 13)
21. OUTLET WEIR #1 OUTLET WIDTH = 4' (SEE SEDIMENT TRAP #1 DETAIL ON SHEET #10)
22. (3 EACH) BAFFLES SPACED AS SHOWN (SEE DETAIL ON SHEET #11)
23. RIPRAP SLOPE (SEE DETAIL ON SHEET #10)
24. 15" CONCRETE HEADWALL. (SEE DRAINAGE STRUCTURE LEGEND ON SHEET #6) (SEE DETAIL ON SHEET #14)
25. UNDERGROUND STORMWATER STORAGE OUTLET STRUCTURE (SEE DRAINAGE STRUCTURE LEGEND ON SHEET #6) (SEE DETAIL SHEET 13)
26. CATCH BASIN/UNDERGROUND STORMWATER STORAGE INLET STRUCTURE (SEE DRAINAGE STRUCTURE LEGEND ON SHEET #6)
27. CATCH BASIN STRUCTURE (SEE DRAINAGE STRUCTURE LEGEND ON SHEET #6)
28. CATCH BASIN STRUCTURE (SEE DRAINAGE STRUCTURE LEGEND ON SHEET #6)
29. CATCH BASIN STRUCTURE (SEE DRAINAGE STRUCTURE LEGEND ON SHEET #6)
30. UNDERGROUND STORMWATER STORAGE INLET STRUCTURE (SEE DRAINAGE STRUCTURE LEGEND ON SHEET #6)
31. USE STONE RIPRAP
    d_{50} = 6"
    MIN DEPTH = 18"
    USE FILTER FABRIC BENEATH STONE RIPRAP
    W_1 = 2'
    W_2 = 10'
    L = 8'
32. NEW FIRE HYDRANT & ASSEMBLY (SEE DETAIL ON SHEET #12) IS TO BE INSTALLED BY A LICENSED UTILITY CONTRACTOR
33. 10' WIDE ASPHALT WALKING PATH (SEE DETAIL ON SHEET #8)
34. 20 LINEAR FEET – 15" DIAMETER RCP @ 2.8% (SOUTH INVERT = 322.00, NORTH INVERT = 321.44)
35. NEW 2" DOMESTIC WATER SERVICE CONNECTION WITH 2" TAPPING SLEEVE & VALVE IS TO BE INSTALLED BY A LICENSED UTILITY CONTRACTOR. 2" DOMESTIC WATER SERVICE LINE IS TO BE SDR-9 (SEE PROFILE ON SHEET #6)
36. NEW 2" METER & 2" GATE VALVE & BOX TO BE INSTALLED AS PER DETAIL ON SHEET #12
37. INSTALL NEW 2" RPZ WITHIN HOT BOX (WATTS MODEL 909 RPZ) OUTSIDE DESIGNATED DOT/ROW AS SHOWN (SEE DETAIL ON SHEET #12)
38. 24" CURB & GUTTER TYPICAL OUTSIDE DOT RIGHT-OF-WAY
39. 30" CURB & GUTTER TYPICAL INSIDE DOT RIGHT-OF-WAY
40. LIMITS OF DISTURBANCE – TYPICAL TOTAL AREA OF DISTURBANCE = 4.18 AC.
41. RELOCATED 12" PVC WATER LINE. SEE UTILITY CONSTRUCTION SEQUENCE FOR TRANSITION DETAILS.
42. RELOCATED 6" PVC WATER LINE. SEE UTILITY CONSTRUCTION SEQUENCE FOR TRANSITION DETAILS.
43. REMOVE EXISTING GRAVEL DRIVE AS NEEDED TO INSTALL NEW ASPHALT EDGE OF PAVEMENT. INSTALL NEW 6" GRAVEL DRIVE FROM NEW EDGE OF PAVEMENT TO LIMITS OF DISTURBANCE AS SHOWN (MATCH EXISTING WIDTH)
44. TEMPORARY SEDIMENT TRAP #2 (SEE TEMPORARY SEDIMENT STORAGE ZONE LEGEND ON SHEET #6)
45. TEMPORARY SEDIMENT TRAP #3 (SEE TEMPORARY SEDIMENT STORAGE ZONE LEGEND ON SHEET #6)

NC GRID; NAD 83

LEGEND

CP = COMPUTED POINT
EIP = EXISTING IRON PIPE
EIR = EXISTING IRON ROD
IPS = IRON PIPE SET
LSCE = LANDSCAPE AREA

SITE DATA:

TOTAL SITE AREA = 150,689 S.F. 3.46 ACRES

CHAMPS CONVENIENCE STORE: 4,800 S.F.

PROPOSED ADDITION: 1,800 S.F.

IMPERVIOUS AREA = 78,408 S.F. 1.80 AC.

BUILDING	=	6,600 S.F.
STREETS	=	48,027 S.F.
PARKING	=	8,086 S.F.
SIDEWALKS	=	10,271 S.F.
OTHER ON SITE	=	5,424 S.F.

SITE IMPERVIOUS % = 1.80 AC./3.46 AC. = 52.0%

TOTAL DISTURBED AREA = 182,052 S.F. 4.18 AC.

AREA TO BE LEFT NATURAL = 72,309 S.F. 1.66 AC.

LIMITS OF DISTURBANCE IS DESIGNATED BY THE FOLLOWING SYMBOL:

—— LD ——

NOTES:

1. COORDINATES AT CONTROL CORNERS WERE ESTABLISHED USING RTK GPS WITH A TRIMBLE R8 GPS UNIT REFERENCING VRS NETWORK.
2. REFERENCE PLAT: PLAT BOOK 2021, PAGE 218

BUILDING SETBACKS (FROM DESIGNATED FUTURE RIGHT-OF-WAY)

FRONT	35'
REAR	25'
SIDE	20'
CORNER	20'

OWNER

JAY AMBE SHAKTI LLC, A NORTH CAROLINA LIMITED LIABILITY COMPANY 2100 WEAVER FOREST WAY MORRISVILLE, NC 27560 PHONE #: 910-988-6049

FLOOD NOTE:

THIS PROPERTY IS LOCATED IN (ZONE X) MINIMAL FLOOD RISK ZONE PER FEMA MAP NUMBER 3720065400J PANEL #0654 WITH AN EFFECTIVE DATE OF 10/3/2006

WETLANDS:

NO WETLANDS ON SITE PER ADAMS SOIL CONSULTING N.C. LICENSE SOIL SCIENTIST #1247

ZONING:

COMMERCIAL

WATERSHED:

HECTOR CREEK – CAPE FEAR RIVER WS-IV

LAND USE:

AGRICULTURAL

PARKING

CHAMPS CONVENIENCE STORE 4,800 S.F.

FUTURE RETAIL = 1,800 S.F.

TOTAL= 6,600 S.F.

1 PER 150 S.F.
6,600/150=44 REQUIRED PARKING SPACES

PARKING PROVIDED= 44 SPACES

HANDICAP SPACE REQUIRED = 2

HANDICAP SPACE PROVIDED = 2

VAN ACCESSIBLE SPACE REQUIRED = 1

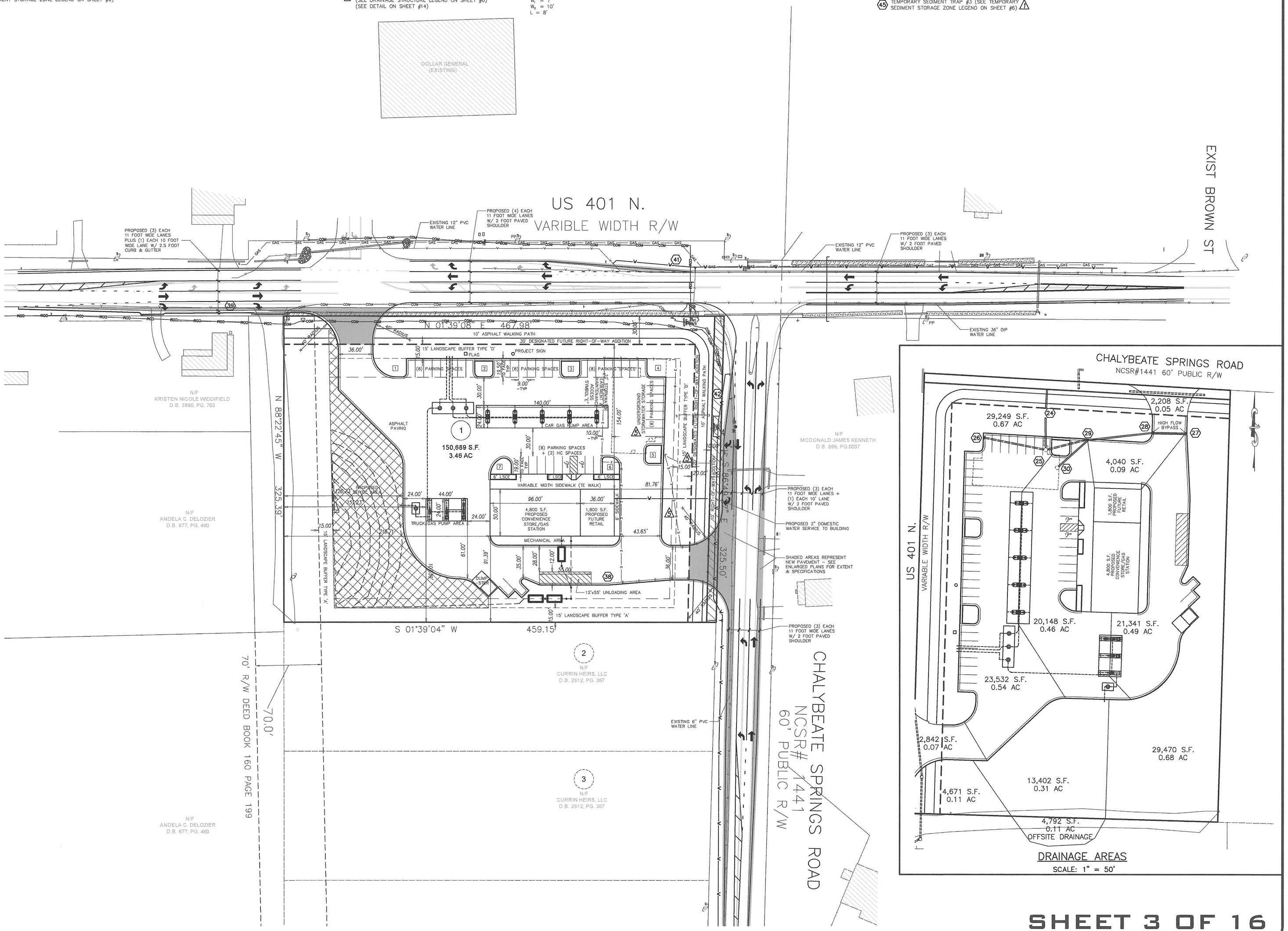
VAN ACCESSIBLE SPACE PROVIDED = 2

LANDSCAPE ISLAND AREA LEGEND	
1	552 S.F.
2	304 S.F.
3	304 S.F.
4	387 S.F.
5	305 S.F.
6	301 S.F.
7	301 S.F.

GRAPHIC SCALE

50 25 0 50 100 150

1 INCH = 50 FEET



DRAINAGE AREAS

SCALE: 1" = 50'

SHEET 3 OF 16

ECLS GLOBAL INC
U.S. VETERAN-OWNED
19 N. McKINLEY ST.
COATS, NC 27521
910.897.3257 ECLSGLOBALINC.COM
910.897.2329 (FAX) CGP C-4175

REVISIONS:
1 REVISION PER NCDEQ COMMENTS 07/26/2022
2 REVISION PER NCDEQ REVIEW COMMENTS 11/10/2022

NORTH CAROLINA PROFESSIONAL SEAL 14580 ENGINEER JOHNNY GLENN TEW
11/10/2022

SITE PLAN

CHAMPS CONVENIENCE STORE

JAY AMBE SHAKTI, LLC

U.S. 401 N FUQUAY-VARINA, NC 27526
HECTOR'S CREEK TWP., HARNETT CO., N.C.
D.B.4011 PG.326 P.B. 2021, PG. 218
PIN:0654-51-8196.000

FOR

PROJECT:	21-575
SURVEYED BY:	ARB
DRAWN BY:	LLL
CHECK BY:	JGT
SCALE:	1"=50'
DATE:	06/10/2022

ECLS

Drawing name: Y:\ecls_docs\COMMERCIAL PROJECTS\21-575 (US 401 N, Fuquay)\21-575 REV.dwg CHAMPS UTILITY PLAN SHEET 1 Nov 10, 2022 9:50am by: Loren