SITE DEVELOPMENT PLANS for

SHEETZ 383

564 US 1 HWY, NC 27596

YOUNGSVILLE, FRANKLIN COUNTY, NORTH CAROLINA

UTILITY AND GOVERNING AGENCIES
CONTACT LIST:

WATER COMPANY
COMPANY
CONTACT
ADDRESS
CITY, ST ZIPCODE
(000) 000-0000

DEPARTMENT OF TRANSPORTATION
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
(704) 436-9316

SANITARY SEWER COMPANY
COMPANY
CONTACT
ADDRESS
CITY, ST ZIPCODE
(000) 000-0000

PLANNING DEPARTMENT
COMPANY
CONTACT
ADDRESS
CITY, ST ZIPCODE
(000) 000-0000

FIRE MARSHAL
COMPANY
CONTACT
ADDRESS
CITY, ST ZIPCODE
(000) 000-0000

ZONING DEPARTMENT
COMPANY
CONTACT
ADDRESS
CITY, ST ZIPCODE
(000) 000-0000

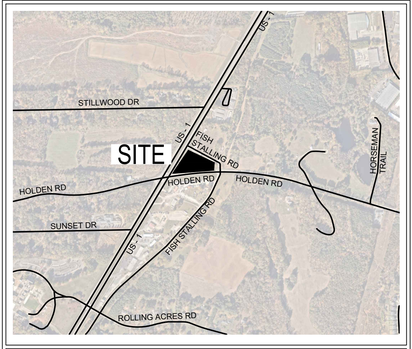
EROSION CONTROL
COMPANY
CONTACT
ADDRESS
CITY, ST ZIPCODE
(000) 000-0000

PHONE COMPANY
COMPANY
CONTACT
ADDRESS
CITY, ST ZIPCODE
(000) 000-0000

POWER COMPANY
COMPANY
CONTACT
ADDRESS
CITY, ST ZIPCODE
(000) 000-0000

GAS COMPANY
COMPANY
CONTACT
ADDRESS
CITY, ST ZIPCODE
(000) 000-0000

CABLE COMPANY
COMPANY
CONTACT
ADDRESS
CITY, ST ZIPCODE
(000) 000-0000



SITE LOCATION MAP
NOT TO SCALE

KIMLEY-HORN SHALL HAVE NO LIABILITY WHATSOEVER FOR ANY COSTS ARISING OUT OF THE CLIENT'S DECISION TO OBTAIN BIDS OR PROCEED WITH CONSTRUCTION BEFORE KIMLEY-HORN HAS ISSUED FINAL, FULLY-APPROVED PLANS AND SPECIFICATIONS. THE CLIENT ACKNOWLEDGES THAT ALL PRELIMINARY PLANS ARE SUBJECT TO SUBSTANTIAL REVISION UNTIL PLANS ARE FULLY APPROVED AND ALL PERMITS OBTAINED.

NOTICE TO CONTRACTOR:

ALL WORK AND MATERIALS SHALL CONFORM TO THE MOST CURRENT STANDARDS AND SPECIFICATIONS AS PROVIDED IN THE:

FRANKLIN COUNTY UNIFIED DEVELOPMENT ORDINANCE
NCDOT STANDARDS SPECIFICATIONS FOR ROADS AND STRUCTURES
OR THE MORE RESTRICTIVE OF ANY STANDARDS THAT CONFLICT.

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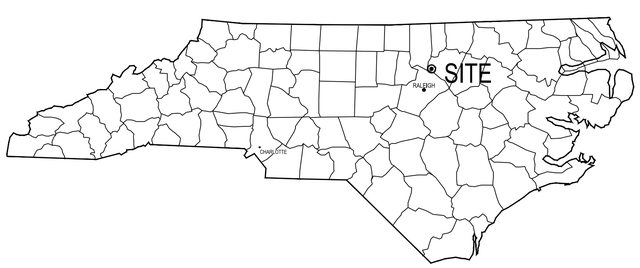

PROJECT OWNER AND CONSULTANT INFORMATION

DEVELOPER:
SHEETZ INC.
5700 6TH AVE
ALTOONA, PA 16602
PHONE (000) 000-0000

CONTACT: BOB FRANKS

ENGINEER:
KIMLEY-HORN AND ASSOCIATES, INC.
200 SOUTH TRYON STREET
SUITE 200
CHARLOTTE, NORTH CAROLINA 28202
PHONE (704) 626-6968

CONTACT: TYLER CARPENTER, P.E.

SURVEYOR:
RILEY SURVEYING, P.A.
3326 DURHAM CHAPEL HILL BLVD.
STE B-100
DURHAM, NC 27707
PHONE (919) 667-0742

CONTACT: PHIL RILEY

ARCHITECT:
CONVENIENCE ARCHITECTURE AND DESIGN P.C
351 SHEETZ WAY
CLAYSBURG, PA 16625
PHONE (814) 656-2211
nvipond@sheetz.com

CONTACT: NICHOLAS VIPOND, RA, AIA

PROGRESS SET

GEOMETRIC CONTROL
HORIZONTAL DATUM: NAD 83 (2011)
VERTICAL DATUM: NAVD 88
DRAWING UNITS: U.S. SURVEY FEET

No.	REVISIONS	DATE	BY

Kimley»Horn
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2035 MAYWILL STREET, SUITE 200, RICHMOND, VA 23230
PHONE: 804-673-3882
WWW.KIMLEY-HORN.COM

KHA PROJECT 113020016
DATE 01/01/2024
SCALE AS SHOWN
DESIGNED BY TAC
DRAWN BY DTP
CHECKED BY ---

COVER SHEET

564 US HWY 1
#383 REMODEL
PREPARED FOR
SHEETZ
YOUNGSVILLE NC

SHEET NUMBER
C001

Plotted By:Jatakeli Kitin-Sheet Set:SHEETZ 383 - 564 US HWY 1 Layout:C001 - COVER SHEET Date/Time:December 08, 2024 @ 01:29pm K:\RIC_CIV\113020\1_Shared\05 REMODEL SITE\811\020016-383 - 564 US HWY 1 - YOUNGSVILLE NC\CAD\PlanSheets\C001 - COVER SHEET.dwg
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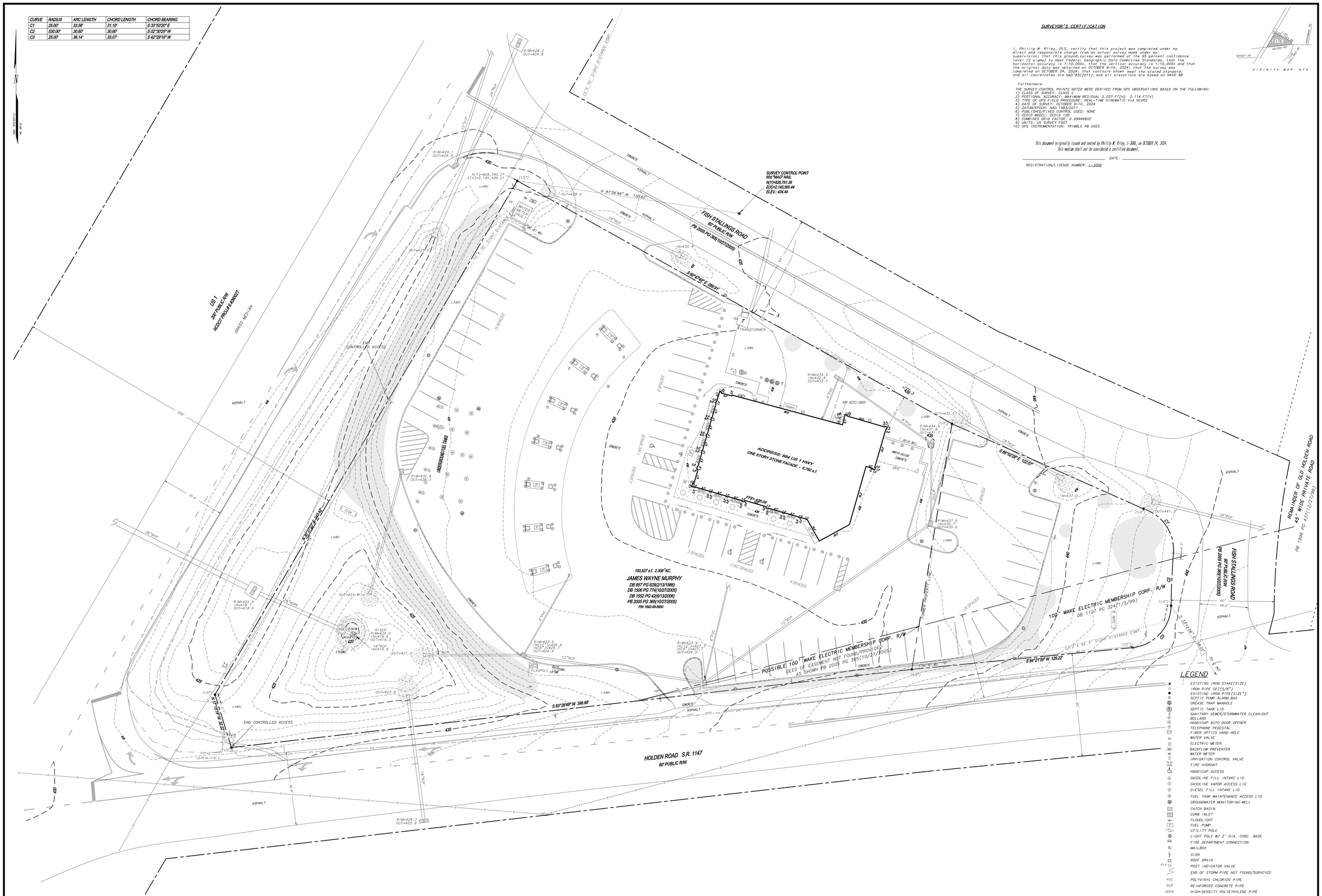
CURVE	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING
C1	25.00'	33.58'	31.10'	S 33°53'20" E
C2	530.00'	30.60'	30.60'	S 02°30'25" W
C3	25.00'	36.14'	33.07'	S 42°29'16" W



SURVEYOR'S CERTIFICATION

I, Phillip W. Riley, PLS, certify that this project was completed under my direct and responsible charge from an actual survey made under my supervision; that this ground survey was performed at the 95 percent confidence level (2 sigma) to meet Federal Geographic Data Committee Standards; that the horizontal accuracy is 1:10,000+, that the vertical accuracy is 1:10,000+ and that the original data was obtained on OCTOBER 9-10, 2024; that the survey was completed on OCTOBER 24, 2024; that contours shown meet the stated standard; and all coordinates are NAD'83(2011); and all elevations are based on NAVD 88

Furthermore:

THE SURVEY CONTROL POINTS NOTED WERE DERIVED FROM GPS OBSERVATIONS BASED ON THE FOLLOWING:
1) CLASS OF SURVEY: CLASS C
2) POSTIONAL ACCURACY: MAXIMUM RESIDUAL 0.037 FT(H) 0.114 FT(V)
3) TYPE OF GPS FIELD PROCEDURE: REAL-TIME KINEMATIC VIA NCVRS
4) DATE OF SURVEY: OCTOBER 9-10, 2024
5) DATUM/EPOCH: NAD 1983/2011
6) PUBLISHED/FIXED CONTROL USED: NONE
7) GEOID MODEL: GEOID 12B
8) COMBINED GRID FACTOR: 0.99994802
9) UNITS: US SURVEY FOOT
10) GPS INSTRUMENTATION: TRIMBLE R8 GNSS

This document originally issued and sealed by Phillip W. Riley, L-3066, on OCTOBER 24, 2024.
This medium shall not be considered a certified document.

DATE: _____

REGISTRATION/LICENSE NUMBER: L-3066

LEGEND

- EXISTING IRON STAKE(SIZE)
- IRON PIPE SET(5/8")
- EXISTING IRON PIPE(SIZE")
- SEPTIC PUMP ALARM BAX
- GREASE TRAP MANHOLE
- SEPTIC TANK LID
- SANITARY SEWER/STORMWATER CLEAN-OUT
- BOLLARD
- HANDICAP AUTO DOOR OPENER
- TELEPHONE PEDESTAL
- FIBER OPTICS HAND HOLE
- WATER VALVE
- ELECTRIC METER
- BACKFLOW PREVENTER
- WATER METER
- IRRIGATION CONTROL VALVE
- FIRE HYDRANT
- HANDICAP ACCESS
- GASOLINE FILL INTAKE LID
- GASOLINE VAPOR ACCESS LID
- DIESEL FILL INTAKE LID
- FUEL TANK MAINTENANCE ACCESS LID
- GROUNDWATER MONITORING WELL
- CATCH BASIN
- CURB INLET
- FLOODLIGHT
- FUEL PUMP
- UTILITY POLE
- LIGHT POLE W/ 2" DIA. CONC. BASE
- FIRE DEPARTMENT CONNECTION
- MAILBOX
- SIGN
- ROOF DRAIN
- PIV — POST INDICATOR VALVE
- END OF STORM PIPE NOT FOUND/SURVEYED
- PVC — POLYVINYL CHLORIDE PIPE
- RCP — REINFORCED CONCRETE PIPE
- HDPE — HIGH-DENSITY POLYETHYLENE PIPE
- DIP — DUCTILE IRON PIPE
- PICNIC TABLE W/ UMBRELLA
- PRIVATE ROAD LIMITS
- UNDERGROUND TELEPHONE WIRE(S)
- BUILDING OVERHANG/AWNING & CANOPY
- WOODEN GATE
- FAUX WROUGHT IRON FENCE 3' TALL
- PROPERTY LINE/PUBLIC ROAD RIGHT OF WAY LIMITS
- WAKE ELECTRIC MEMBERSHIP CORP. R/W
- OVERHEAD ELECTRIC WIRES
- UNDERGROUND GAS PIPING
- UNDERGROUND FIBER OPTIC WIRE(S)
- UNDERGROUND ELECTRIC WIRE(S)
- LANDSCAPING/SHRUBBERY
- RIP-RAP

NOTES

1. AREAS BY THE CO-ORDINATE METHOD.
2. THE SUBJECT PROPERTY IS SITUATED IN ZONE X(MINIMAL FLOOD RISK) ACCORDING TO F.E.M.A. FIS RATE MAP 3720184200M DATED 7/19/2022.
3. HORIZONTAL GROUND DISTANCES SHOWN HEREON UNLESS NOTED OTHERWISE.
4. UNDERGROUND UTILITIES SHOWN BASED ON MARKINGS BY OTHERS(811 LOCATE #S A242690932, A242690908, & A242691051.

Riley Surveying, P.A.
ELECTRONIC DATA NOTICE

The delivery of this drawing in electronic format should not be construed to provide an express warranty or a guarantee to any owner, designer, surveyor, contractor, or other party that is associated with the construction of the project shown on this drawing. The data, if any, is based entirely upon field-located or field-verified data, but that it is complete or represents the information shown on the drawing with any degree of accuracy or precision. Reliance on this drawing by others implies any review, oversight, or approval by Riley Surveying, P.A. or the surveyor of record of the data, or the fitness of the data for any purpose other than that for which it was originally created. In no case shall the transfer, delivery, or receipt of the electronic data be construed to provide any right to others (including the primary recipient) to rely fully upon the information. If a hard copy and an electronic copy of the same information are provided, the hard copy and/or the hard copy shall in all cases take precedence over the electronic data. Any use of this information by others will be at the sole risk and liability of the user.

20 10 0 20 40 60
SCALE IN FEET

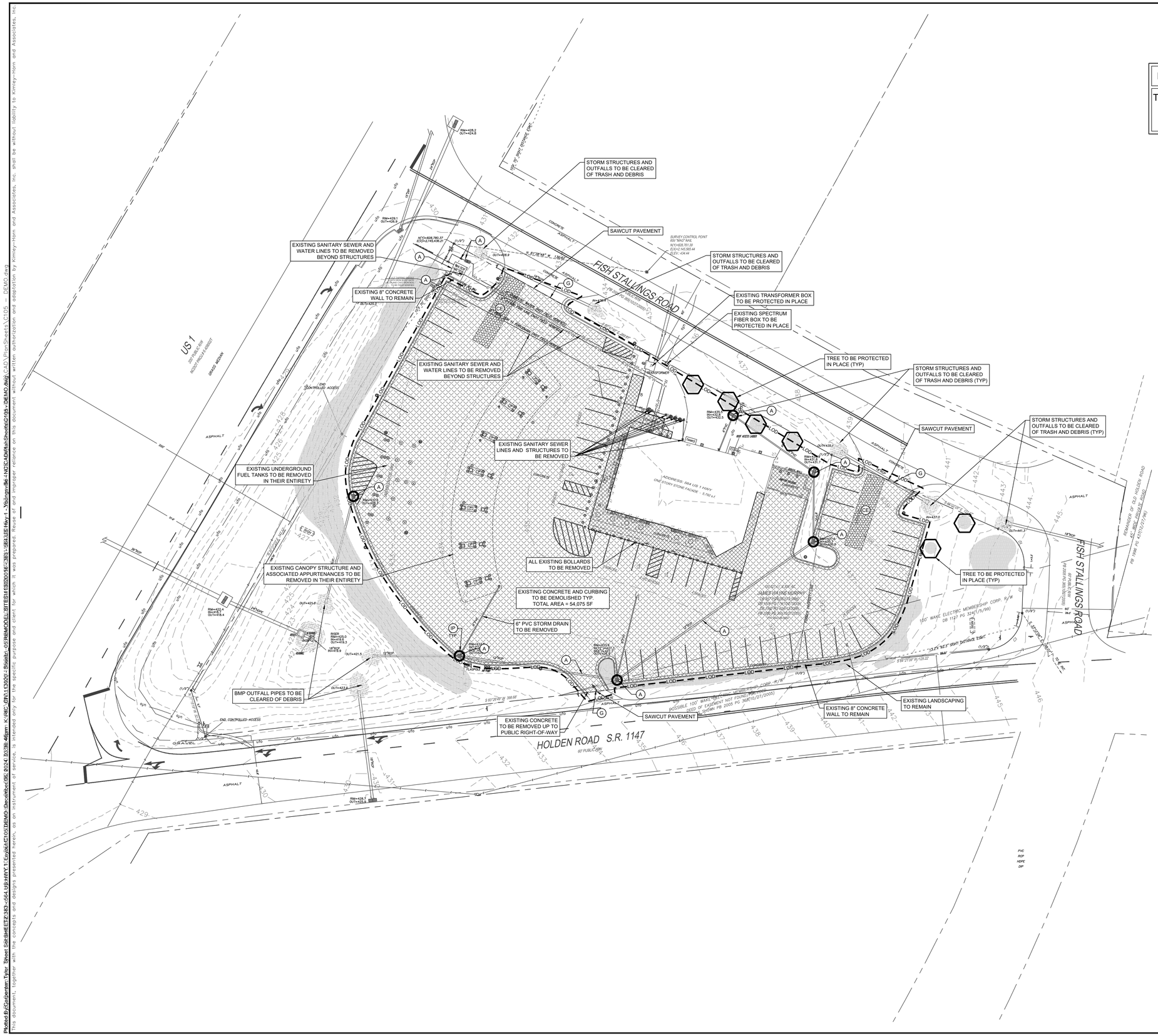
REVISIONS	BY

SHEETZ STORE #383
564 US 1 HWY, YOUNGSVILLE, NC
TOPOGRAPHIC SURVEY

RILEY SURVEYING, P.A.
3326 DURHAM CHAPEL HILL BLVD, STE B-100
DURHAM, N.C. 27707
919-687-0782 C-281 | info@rileysurveyingpa.com

PROPERTY OF
JAMES WAYNE MURPHY
PREPARED FOR
SHEETZ, INC.
YOUNGSVILLE TOWNSHIP, FRANKLIN COUNTY
NORTH CAROLINA

DATE	OCTOBER 24, 2024
SCALE	1" = 20'
DRAWN BY	PWR
JOB	2424T
SHEET	1 OF 1 SHEETS



CAUTION!!!
CONTRACTOR IS TO VERIFY PRESENCE AND EXACT LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION.

DISTURBED AREA

TOTAL - ± 1.66 - ACRE

DEMOLITION LEGEND

- EXISTING IMPROVEMENTS TO BE DEMOLISHED AND REMOVED
- FULL DEPTH PAVEMENT REMOVAL
- CLEAN SAWCUT EDGE
- PAVEMENT AREA TO BE MILLED, REPAVED AND RESTRIPED
- EXISTING LINEAR ITEM TO BE REMOVED
- SAWCUT A CLEAN EDGE
- TREE PROTECTION FENCE
- LIMITS OF DISTURBANCE (LOD)
- EXISTING ITEM TO BE REMOVED

DEMOLITION KEY NOTE LEGEND

- (A) EXISTING OBJECT TO REMAIN. ADJUSTMENT TO PROPOSED GRADES MAY BE REQUIRED.
- (B) RELOCATE EXISTING IMPROVEMENT. REFER TO CIVIL PLANS FOR PROPOSED LOCATION. COORDINATE RELOCATION WITH THE LOCAL GOVERNING AGENCY OR OWNER IF PRIVATE.
- (C) ABANDON EXISTING IMPROVEMENT IN PLACE.
- (D) REMOVE EXISTING IMPROVEMENT IN ITS ENTIRETY. BACKFILL WITH COMPACTED GRANULAR MATERIAL TO PROPOSED GRADE PER GRADING PLAN.
- (E) EXISTING PAVEMENT TO BE MILLED. (MINIMUM 1.5 INCHES AVERAGE DEPTH) CLEAN SURFACE AND APPLY TACK COAT PRIOR TO THE APPLICATION OF THE ASPHALT MATERIAL.
- (F) REMOVE EXISTING TREE AND OR CLEAR EXISTING TREE LINE. CONTRACTOR SHALL EXERCISE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING VEGETATION TO REMAIN AND REMOVE ONLY THOSE TREES THAT AFFECT INSTALLATION OF THE PROPOSED IMPROVEMENT.
- (G) REMOVE EXISTING CONCRETE PAVEMENT, CURB AND GUTTER, OR CONCRETE WALK PER SPECIFICATIONS. SAWCUT A CLEAN EDGE.
- (H) OPEN CUT TRENCH. REMOVE EXISTING PAVEMENT, CURB, (SIDEWALK) TO FACILITATE UTILITY INSTALLATION. SAWCUT A CLEAN EDGE ON BOTH SIDES OF TRENCH. THE CONTRACTOR WILL BE RESPOSIBLE FOR RESTORATION OF THE EXISTING STREET PAVING AND ANY LAND COVER OR STRUCTURE TO ITS ORIGINAL OR BETTER CONDITION.
- (J) RELOCATE EXISTING PRESSURE LINE, VALVE AND FITTINGS, METERS, STRUCTURE AND ANY OTHER APPURTANCES TO THE LOCATION PROVIDED ON THE UTILITY PLAN. COORDINATE RELOCATION WITH THE LOCAL GOVERNING AGENCY OR OWNER IF PRIVATE.
- (K) REMOVE EXISTING PRESSURE LINE, VALVE AND FITTINGS, METERS, STRUCTURE AND ANY OTHER APPURTANCES. COORDINATE REMOVAL WITH THE LOCAL GOVERNING AGENCY OR OWNER IF PRIVATE.
- (L) REMOVE EXISTING GRAVITY LINE, STRUCTURES AND ANY OTHER APPURTANCES. COORDINATE REMOVAL WITH THE LOCAL GOVERNING AGENCY OR OWNER IF PRIVATE.
- TREE PRESERVATION
- LIMITS OF DISTURBANCE — LOD — — — LOD — — —

PROPOSED ESCP LEGEND

- (LOD) LIMITS OF DISTURBANCE
- XX MAJOR CONTOUR
- XX MINOR CONTOUR
- XX EXISITNG MAJOR CONTOUR
- XX EXISITNG MINOR CONTOUR
- LIMITS OF DRAINAGE AREA
- XxX SOIL TYPE
- SOIL TYPE BOUNDARY
- (IP) INLET PROTECTION
- (CE) CONSTRUCTION ENTRANCE

No.	REVISIONS	DATE	BY

Kimley»Horn
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2035 MAYWILL STREET, SUITE 200, RICHMOND, VA 23230
PHONE: 804-673-3882
WWW.KIMLEY-HORN.COM

KHA PROJECT 113020016
DATE 01/01/2024
SCALE AS SHOWN
DESIGNED BY TAC
DRAWN BY DTP
CHECKED BY --

DEMOLITION AND EROSION CONTROL PLAN

564 US HWY 1
#383 REMODEL
PREPARED FOR
SHEETZ
YOUNGSVILLE NC

SHEET NUMBER
C105

Plotted By:Fourparten, Tyler Sheet Set:SHEETZ:383--564 US HWY 1 Layout:C105(DEMO) Date/Time:Wed 01/03/2024 10:38:44pm K:\RIC-CIV\113020016\383--564 US HWY 1 - Youngsville\Drawings\Site\CAD\Plan Sheets\C105 - DEMO.dwg
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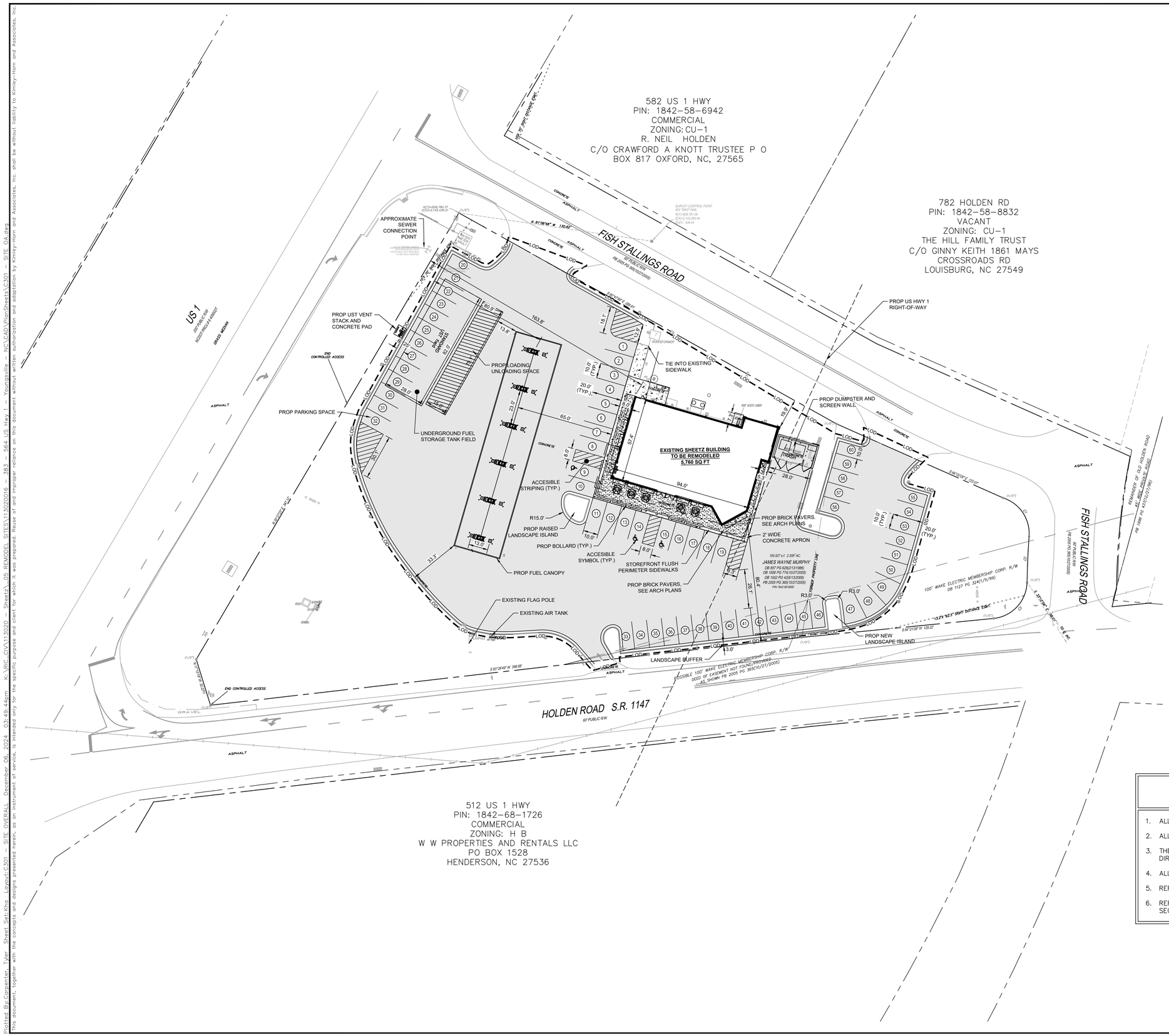

SITE LEGEND

CONCRETE PAVEMENT 6"RC OVER 8"ABC	
CONCRETE SIDEWALK 4" RC OVER 4"ABC	
PROPOSED CURB AND GUTTER	

SITE DATA TABLE

NAME OF DEV:	SHEETZ STORM #383
APPLICANT:	SHEETZ, INC 5700 SIZTH AVE. ALTOONA, PA 16602
ATTN:	MR ROBERT J FRANKS JR
PIN:	1842-58-5650
PARID:	005859
CURRENT ZONING:	C-1
PROPOSED ZONING:	C-1
WATERSHED:	FALLS LAKE
RIVER BASIN:	NEUSE
OVERLAY DISTRICTS:	N/A
SITE AREA:	2.308 AC
DISTURBED AREA:	1.66 AC
CURRENT USE:	CONVENIENCE STORE/FUEL STATION
PROPOSED USE:	CONVENIENCE STORE/FUEL STATION
RESIDENTIAL DENSITY:	N/A
IMPERVIOUS SURFACE:	1.50 AC EXISTING (65.0%) 1.50 AC PROPOSED (65.0%)
BUILDING GROSS FLOOR AREA:	5,750 SF
BUILDING HEIGHT ALLOWED:	40' MAX
PROPOSED MAX BUILDING HEIGHT:	31' MAXIMUM
BUILDING STORIES:	1 STORY
PARKING (EXISTING)	62 SPACES
PARKING REQUIRED:	17 SPACES (1 PER 350 SQ. FT.)
PARKING PROVIDED:	60 SPACES
HC PARKING REQUIRED:	3 SPACES (1 SPACE PER 25)
HC PARKING PROVIDED:	3 SPACES (1 VAN ACCESSIBLE)

SITE NOTES

1. ALL CURB RADII ARE 5.0' UNLESS OTHERWISE NOTED.
2. ALL DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
3. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING ALL STOP SIGNS, DIRECTIONAL SIGNS, AND STRIPING SHOWN ON THE PLANS.
4. ALL SIDEWALKS TO BE PRIVATE UNLESS OTHERWISE NOTED.
5. REFER TO SHEETS XXX THROUGH XXX FOR DETAILS.
6. REFER TO GEOTECHNICAL REPORT BY OTHERS FOR FINAL PAVEMENT SECTIONS.

GRAPHIC SCALE IN FEET 0 15 30 60

NORTH

No.	REVISIONS	DATE	BY

Kimley»Horn

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2035 MAYWILL STREET, SUITE 200, RICHMOND, VA 23230
PHONE: 804-673-3882
WWW.KIMLEY-HORN.COM

KHA PROJECT 113020016
DATE 01/01/2024
SCALE AS SHOWN
DESIGNED BY TAC
DRAWN BY DTP
CHECKED BY --

SITE PLAN

564 US HWY 1
#383 REMODEL
PREPARED FOR
SHEETZ

YOUNGSVILLE NC

SHEET NUMBER
C301

Plotted By:Carpenter, Tyler Sheet Set:Kha Layout:C301 - SITE OVERALL December 06, 2024 03:49:44pm K:\RIC_CI\113020 - Sheetz_05 REMODEL SITES\113020016 - 383 - 564 US Hwy 1 - Youngsville - NC\CAD\PlanSheets\C301 - SITE DA.dwg
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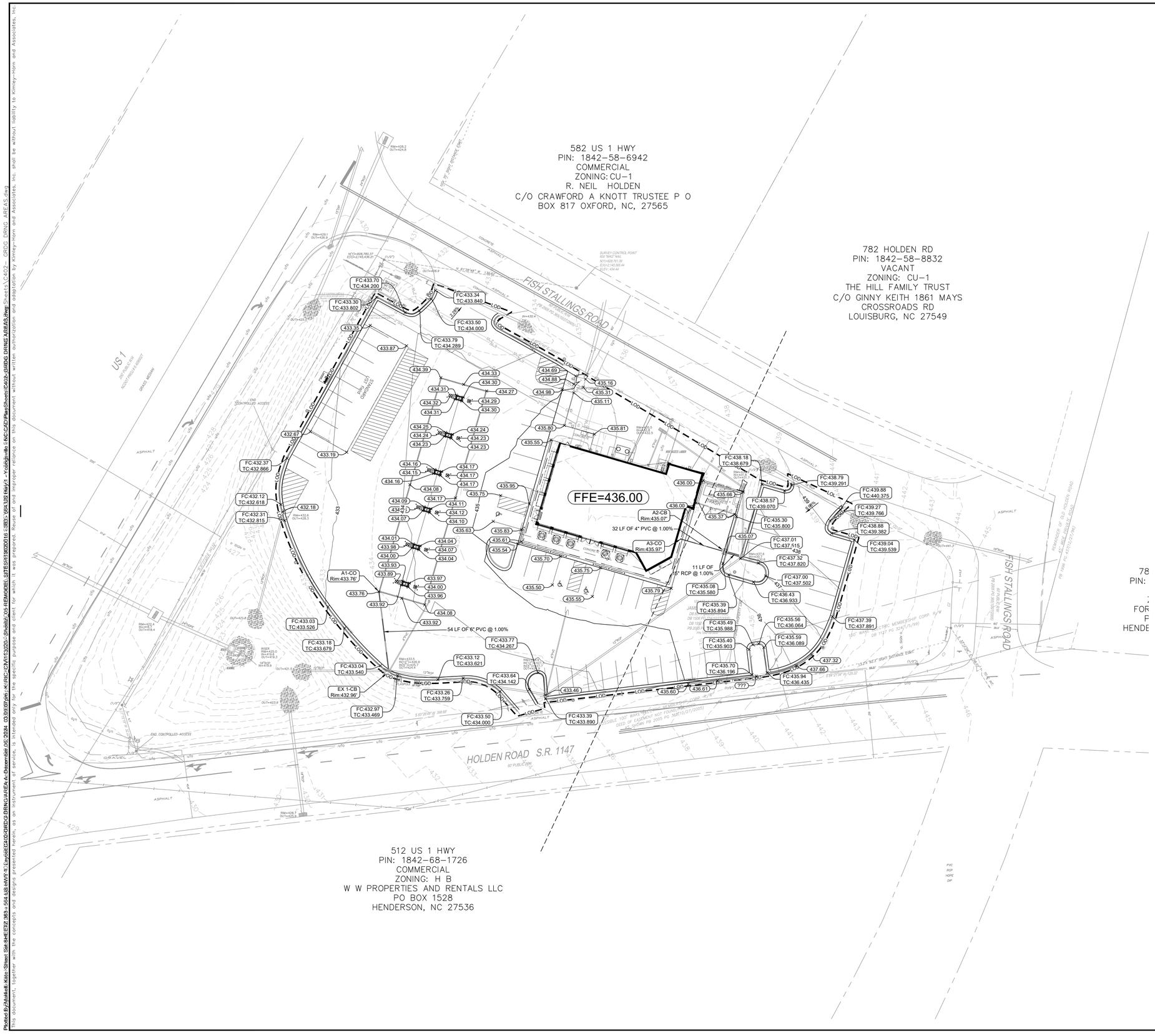

PROPOSED TOPOGRAPHIC LEGEND

450 — PROPOSED MAJOR CONTOUR	450 — EXISTING MAJOR CONTOUR
451 — PROPOSED MINOR CONTOUR	451 — EXISTING MINOR CONTOUR
GB — GRADE BREAK (GB)	LOD — LIMITS OF DISTURBANCE
HP — HIGH POINT (GB)	TP:107.89 — PROPOSED SPOT GRADE
LP — LOW POINT (GB)	TP:TOP OF PAVEMENT TC:TOP OF CURB ; FC:BOTTOM OF CURB FG:FINAL GRADE ME:MATCH EXISTING HP:HIGHT POINT TW:TOP OF WALL BW:BOTTOM OF WALL FFE:FINISHED FLOOR ELEV.
ME — MATCH EXISTING (ME)	
2.00% — PROP. SLOPE GRADE	
4:1 — PROP. RUN:RISE	

GRADING PLAN KEY NOTES

- (A) **ALL SPOT GRADES DEPICT FINISH GRADE UNLESS OTHER WISE NOTED.**
- ALL PAVEMENT SPOT GRADES ELEVATIONS ALONG CURB AND GUTTER REFER TO FACE OF CURB AT GUTTER FLOW LINE ELEVATIONS UNLESS OTHERWISE NOTED.
- **STANDARD SPILL CURB TO PROVIDE NATURAL FLOW AWAY FROM CURB.**
- NO EARTHEN SLOPE SHALL BE GREATER THAN 3:1, UNLESS OTHERWISE NOTED.
- MATCH EXISTING ELEVATIONS AT THE PROPERTY LIMITS. **GRADING ON ADJACENT PROPERTY SHALL REQUIRE SLOPE PERMISSION. CONTRACTOR SHALL NOT COMMENCE WORK ON ADJACENT PROPERTY UNTIL SUCH AGREEMENT IS IN PLACE.**
- OUTLINED AREA REPRESENTS THE OUTLINE OF ADA SPACES (PAVEMENT SLOPES WITHIN THE LIMITS OF THIS AREA HAVE BEEN DESIGNED AT 1.8% MAXIMUM GRADE. CONTRACTOR SHALL GRADE THESE AREAS NO STEEPER THAN 2.0%.)
- SIDEWALK AND CROSSWALK CROSS-SLOPES SHALL NOT EXCEED 3/16" PER LINEAR FOOT (MAX. 2%, SEE DETAIL). 5% MAX. LONGITUDINAL SLOPE.
- ADA ACCESSIBLE RAMP IN SIDEWALK TO CONFORM TO FEDERAL, STATE, AND LOCAL ACCESSIBILITY GUIDELINES.
- **VARIABLE HEIGHT SEGMENTED RETAINING WALL . (SEE WALL NOTE).**
- 30' SIDEWALK RAMP WITH 5' LANDING AT TOP AND BOTTOM, 1:12 MAX. SLOPE, MAX RISE OF 30-INCHES, AND SHALL MEET ALL REQUIREMENTS OF THE ADA STANDARDS FOR ACCESSIBLE DESIGN FOR RAMPS.

DRAINAGE PLAN KEY NOTES

- (D1) 6" (TYP.) ROOF DRAIN LATERAL (RD). CONNECTION TO ROOF DRAIN DOWNSPOUTS OR STAND PIPES. LATERALS SHALL BE CONSTRUCTED AT 1% MINIMUM SLOPE TO MAIN OR COLLECTOR PIPE. COORDINATE LOCATION AND INVERT WITH ARCH/MEP PLANS.
- CLEANOUT(S) - ("H-20" TRAFFIC RATED IN ALL PAVED AREAS), SPACING PER GOVERNING AGENCY.
- A MINIMUM VERTICAL SEPARATION OF 18-INCHES SHALL BE MAINTAINED AT CROSSINGS. IN THE EVENT THAT MINIMUM SEPARATION REQUIREMENTS CANNOT BE MET, THE CONTRACTOR SHALL UTILIZE MINIMUM PIPE SEPARATION REQUIREMENTS PER THE GOVERNING AGENCY.
- LOW POINT (LP) DRAINAGE BREAK FLOW LINE IN PAVEMENT SECTION. POSITIVE GRADE DRAIN.
- PERMANENT RIP RAP DISSIPATER PAD AT STORM INLET OR OUTLET PER PLAN. SEE DETAIL FOR STONE SIZE AND DIMENSION.
- **PERMANENT GRASS SWALE. SEE DETAIL FOR DIMENSION AND CAPACITY.**
- STORMWATER RETENTION FACILITY / STRUCTURE - WET POND . SIZED TO TREAT STORMWATER QUALITY AND QUANTITY PER THE NC DIVISION OF WATER QUALITY STORMWATER BMP DESIGN MANUAL.. SEE DETAILS THIS PLAN SET.
- STORMWATER BMP FACILITY / STRUCTURE - BIO-RETENTION . SIZED TO TREAT STORMWATER QUALITY PER THE NC DIVISION OF WATER QUALITY STORMWATER BMP DESIGN MANUAL. SEE DETAILS THIS PLAN SET.
- OUTLET CONTROL STRUCTURE (CS). SEE DETAIL.
- 20' PUBLIC DRAINAGE EASEMENT (SDE).
- CORE AND CONNECT TO EXISTING STORM SEWER MANHOLE.
- OPEN CUT TRENCH. REMOVE EXISTING PAVEMENT, CURB, (SIDEWALK) TO FACILITATE UTILITY INSTALLATION. SAWCUT A CLEAN EDGE ON BOTH SIDES OF TRENCH. THE CONTRACTOR WILL BE RESPOSIBLE FOR RESTORATION OF THE EXISTING STREET PAVING AND ANY LAND COVER OR STRUCTURE TO ITS ORIGIANL OR BETTER CONDITION.
- JACK & BORE - JACKING AND RECEIVING PITS AND PROCEDURE SHALL BE PER THE GOVERNING AGENCY.

No.	REVISIONS	DATE	BY

Kimley»Horn
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2035 MAYWILL STREET, SUITE 200, RICHMOND, VA 23230
PHONE: 804-673-3882
WWW.KIMLEY-HORN.COM

KHA PROJECT 113020016
DATE 01/01/2024
SCALE AS SHOWN
DESIGNED BY TAC
DRAWN BY DTP
CHECKED BY ---

GRADING AND DRAINAGE PLAN

564 US HWY 1
#383 REMODEL
PREPARED FOR
SHEETZ
YOUNGSVILLE NC

SHEET NUMBER
C401

Plotted By:Paulcoll-Kirby (Steve) Set:SHEETS2 383 - 564 US HWY 1 Loc:U:\Loc\0\564\02\GRD\2 DRNG\AREA\A-December 06, 2024 03:35:07pm K:\RIC-CIV\113020\-Shalls\-Os-REM\0\BIL SITES\113020016 (383) - 564 US Hwy1 - Youngsville \ NC\CAD\Plans\Sheets\C402- GRDG DRNG AREAS.dwg\Sheets\C402- GRDG DRNG AREAS.dwg
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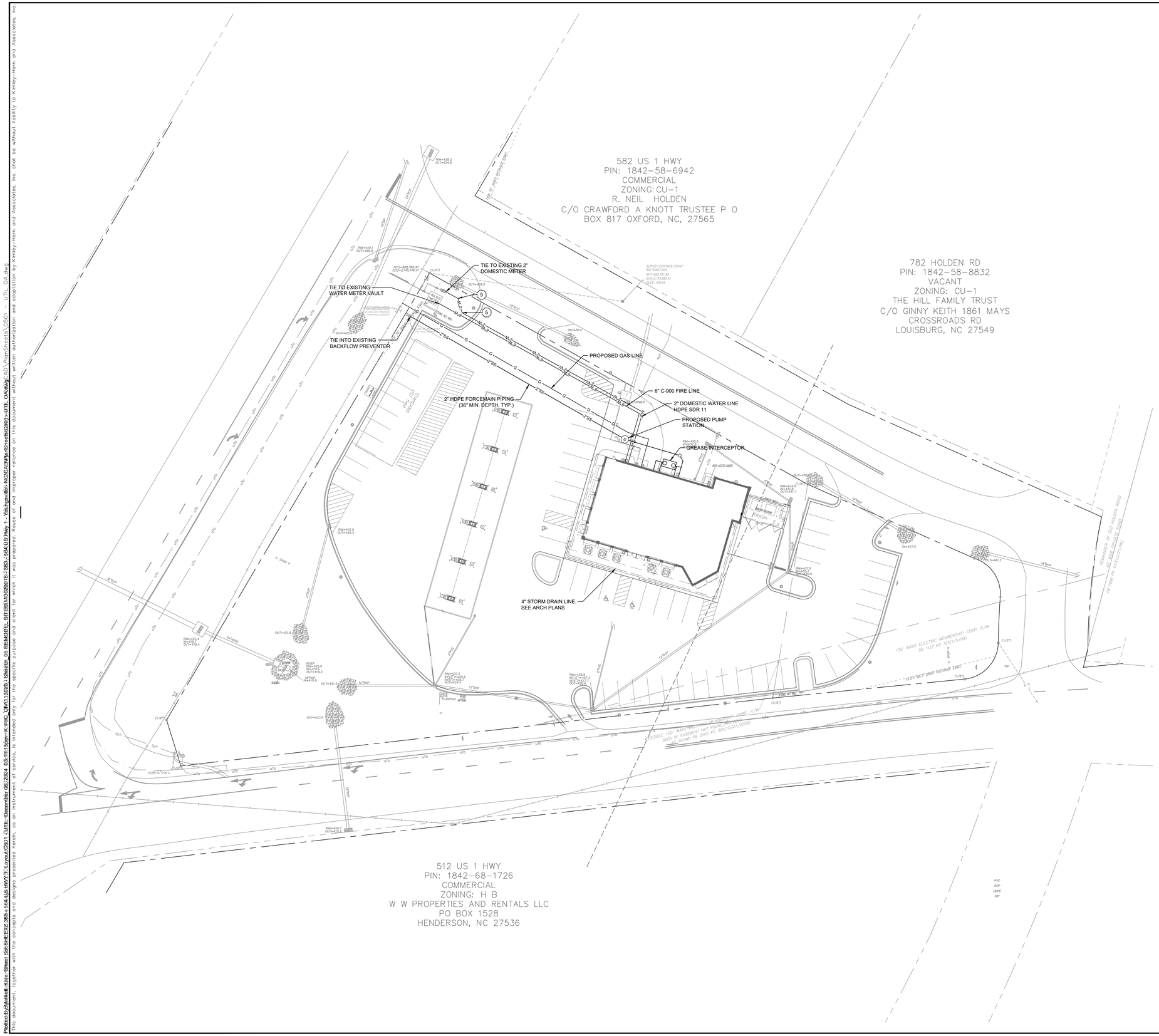

UTILITY LEGEND

- POWER UNDERGROUND
- POWER OVERHEAD
- COMMUNICATION
- FIBER OPTIC
- GAS LINE
- SITE LIGHTING
- COMMUNICATION (INCLUDES DATA, TV, TELEPHONE)
- GRAVITY SEWER
- STRUCTURE LABEL (05-MH, RIM:104.56) — RIM: MH, CO: CENTER OF LID ELEVATION; INV: PIPE INVERT ELEVATION
- DOMESTIC WATER
- FIRE WATER

SEE GRADING AND DRAINAGE PLANS FOR STORM WATER

WATER LINE - FIRE WATER FITTINGS & STRUCTURES

WATER LINE	FIRE LINE
1 SERVICE CONNECTION	12 METER VAULT
2 GATE VALVE	13 * FIRE HYDRANT
3 * TEE	14 * FIRE DEPT. CONNECTION
4 * 90° BEND	15 POST INDICATOR VALVE
5 * 45° BEND	16 BACKFLOW PREVENTER ABOVE GROUND
6 * 22.5° BEND	17 BACKFLOW PREVENTER BELOW GROUND
7 * 11.25° BEND	18 * BLOW OFF VALVE
8 * CAP/PLUG	19 SERVICE ENTRY POINT
9 * BALL VALVE	20 * VERTICAL BEND
10 REDUCER	21 IRRIGATION CONTROL VALVE
11 WATER METER	22 FIRE HYDRANT ASSEMBLY

* WITH THRUST BLOCKING — SIZE SHOWN AT SYMBOL LOCATION

POWER - LIGHTING - COMMUNICATION - GAS LEGEND

- POWER
- OVERHEAD ELECTRIC
- COMMUNICATION
- FIBER OPTIC
- GAS LINE
- SITE LIGHTING
- METER, PULL BOX
- TRANSFORMER, POWER POLE
- CAP, PLUG, TERMINAL END
- SERVICE CONNECTION, ENTRANCE
- COMMUNICATION, TELEPHONE BOX
- GAS METER / VALVE

(COM) COMMUNICATION LINE (INCLUDES DATA, TV, TELEPHONE)

GRAVITY SEWER LEGEND

- SANITARY SEWER MAIN, MH: MANHOLE, FLOW
- SANITARY SEWER LATERAL, LC: CONNECTION, CO: CLEANOUT
- GT: GREASE TRAP
- STRUCTURE LABEL (05-MH, RIM:104.56) — RIM: MH, CO: CENTER OF LID ELEVATION; INV: PIPE INVERT ELEVATION

SEWER FORCE MAIN LEGEND

- SEWER FORCE MAIN, LS: LIFT STATION, MH: MANHOLE, FLOW
- TEE - BENDS
- VALVES: AIR RELEASE, BALL, GATE
- REDUCER
- STRUCTURE LABEL (DESCRIPTION) — RIM: MH, LS, VALVE: CENTER OF LID ELEVATION; INV: PIPE INVERT ELEVATION

WATER LINE - FIRE WATER FITTINGS & STRUCTURES

- GATE VALVE
- TEE
- 45° BEND
- SERVICE ENTRY POINT
- WATER METER
- BACKFLOW PREVENTER
- FIRE HYDRANT
- REDUCER

WATER LINE — W — FIRE LINE — FW

GRAPHIC SCALE IN FEET 0 15 30 60

NORTH

No.	REVISIONS	DATE	BY

Kimley»Horn

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2035 MAYWILL STREET, SUITE 200, RICHMOND, VA 23230
PHONE: 804-673-3882
WWW.KIMLEY-HORN.COM

KHA PROJECT 113020016
DATE 01/01/2024
SCALE AS SHOWN
DESIGNED BY TAC
DRAWN BY DTP
CHECKED BY ---

UTILITY PLAN

564 US HWY 1
#383 REMODEL
PREPARED FOR
SHEETZ

YOUNGSVILLE NC

SHEET NUMBER
C501

Plotted By:Alakkati, Kalin -Sheet Set:SHEETZ 383 - 564 US HWY 1 Layout:C501 - UTIL -December 06, 2024 03:11:15pm K:\RC_OW\113020\1 Studio 05 REMODEL SITE\113020016-T383 - 564 US Hwy 1 - Youngsville\Civil\Dwgs\Plans\C501 - UTIL GA.dwg
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