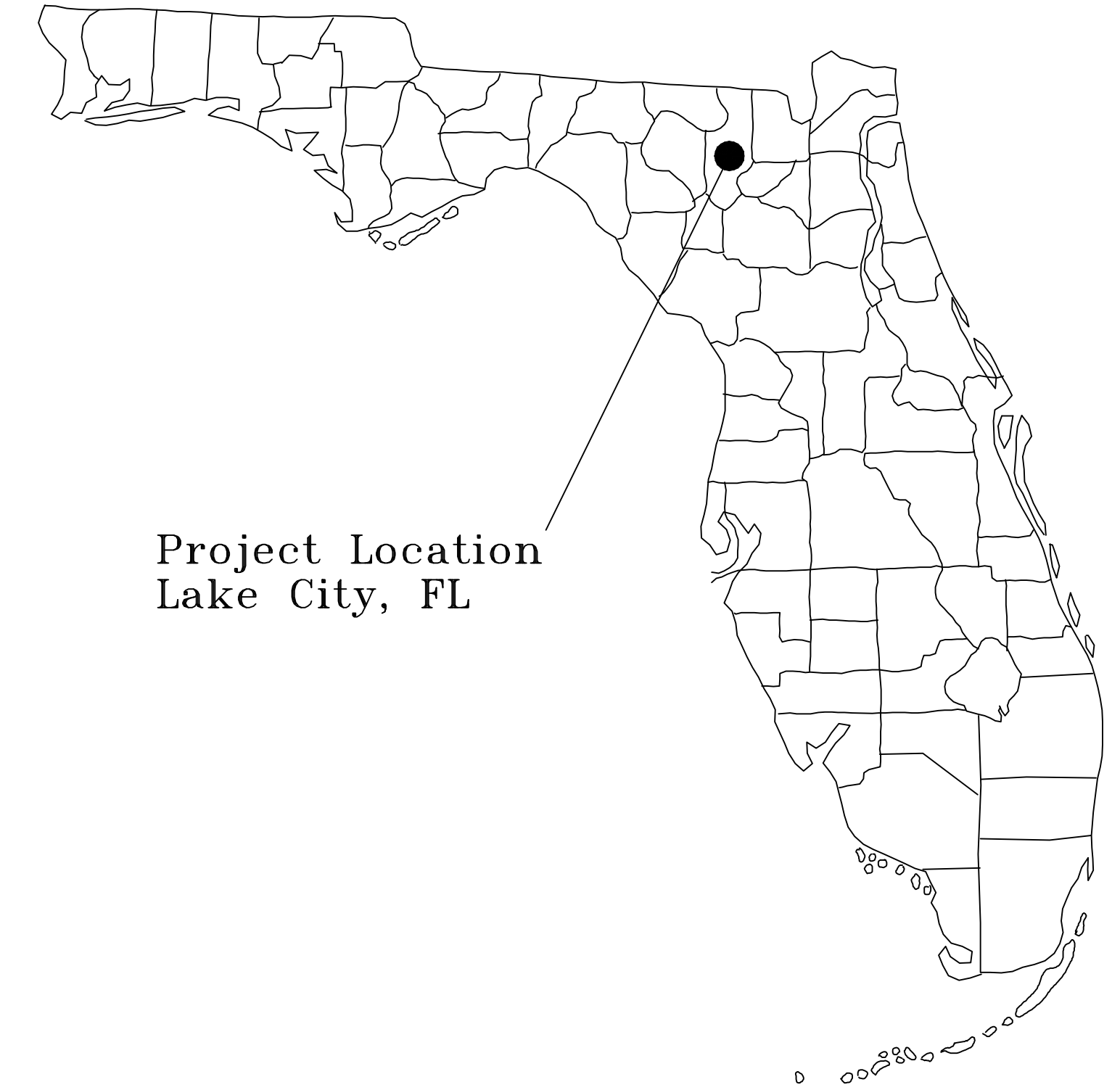


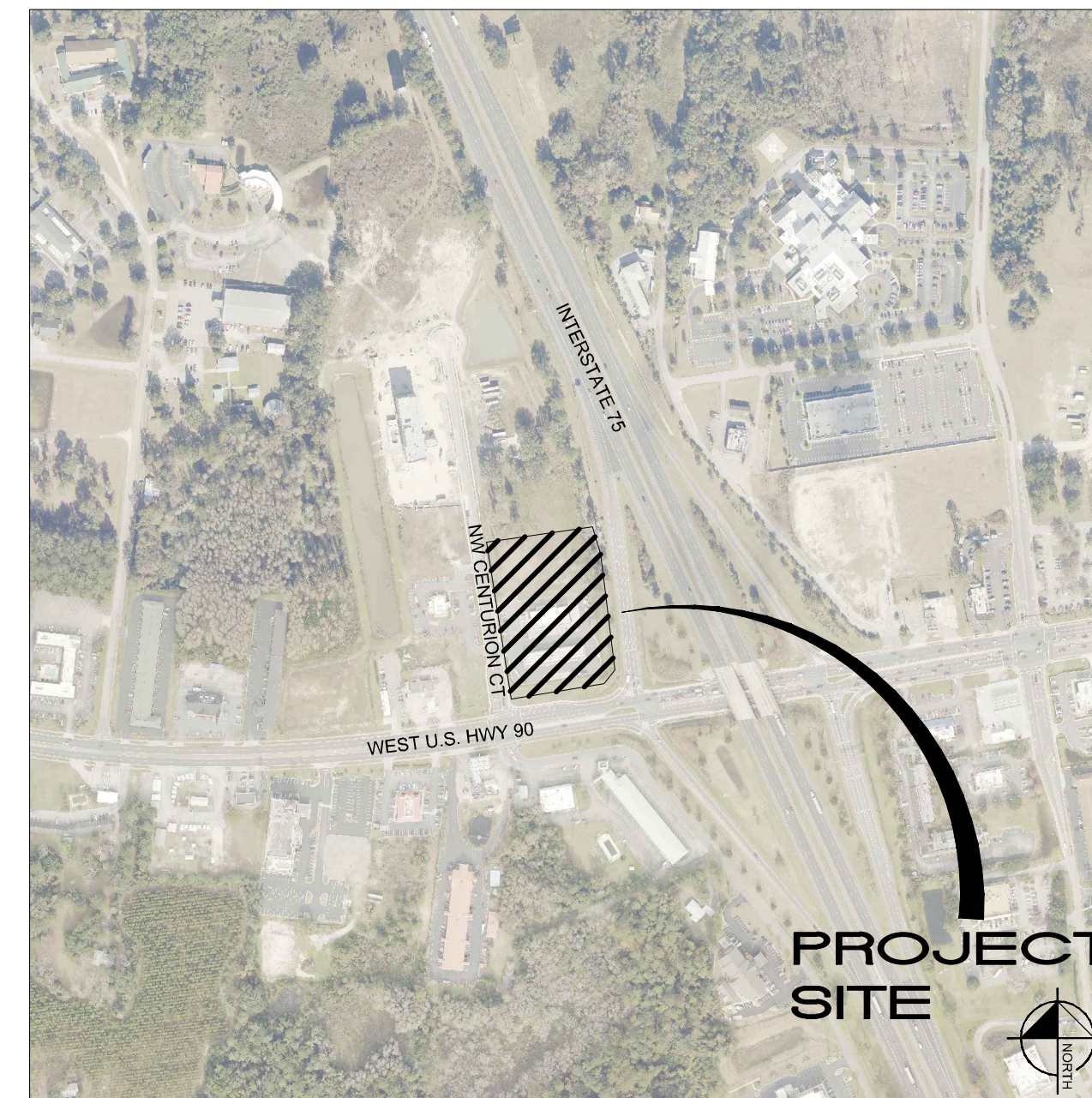
# CONSTRUCTION PLANS FOR CIRCLE K - US HWY 90 & I-75 FUEL EXPANSION

143 NW CENTURION COURT  
LAKE CITY, FLORIDA 32055  
MAY 4, 2022

PARCEL IDs: 35-3S-16-02524-001,  
35-3S-16-02524-102 AND 35-3S-16-02524-111



Project Location  
Lake City, FL



VICINITY MAP

1" = 500'

## PROJECT TEAM

**OWNER:**  
GWC DEVELOPMENT PARTNERS LLC  
2682 W NOEGEL ROAD  
LAKE CITY, FL 32055  
CONTACT: DIANE BERRY  
PHONE: (407) 580-5173  
EMAIL: DBERRY@SCHAFERCONST.COM

**CIVIL ENGINEER:**  
KIMLEY-HORN AND ASSOCIATES, INC.  
189 SOUTH ORANGE AVENUE, SUITE 1000  
ORLANDO, FL 32801  
CONTACT: JAROD C. STUBBS, P.E.  
PHONE: (407) 409-7002  
EMAIL: JAROD.STUBBS@KIMLEY-HORN.COM

**SURVEYOR:**  
JBPRO  
3530 NW 43RD STREET  
GAINESVILLE, FL 32606  
CONTACT: TROY V. WRIGHT  
PHONE: (352) 375-8999

**DEVELOPER:**  
CIRCLE K STORES, INC  
3802 CORPOREX PARK DRIVE, SUITE 413  
TAMPA, FL 33619  
CONTACT: EDWARD GIUNTA  
PHONE: (407) 580-5173

**ARCHITECT:**  
RDC COLLABORATIVE  
11921 FREEDOM DRIVE, SUITE #1110  
RESTON, VA 20190  
CONTACT: MEGAN LARGENT  
PHONE: (703) 668-0086  
FAX: (703) 668-0085

**LANDSCAPE ARCHITECT:**  
KIMLEY-HORN AND ASSOCIATES, INC.  
189 SOUTH ORANGE AVENUE, SUITE 1000  
ORLANDO, FL 32801  
CONTACT: MATTHEW FRANKO  
PHONE: (407) 427-1629  
EMAIL: MATT.FRANKO@KIMLEY-HORN.COM

PREPARED BY

**Kimley»Horn**

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189 S. ORANGE AVE, SUITE 1000, ORLANDO, FL 32801  
PHONE: 407-898-1511  
WWW.KIMLEY-HORN.COM REGISTRY No. 35106

## LEGAL DESCRIPTION

LOT 2 AND THE NORTH 34.55 FEET OF LOT 11 OF GATEWAY CROSSING A REPLAT OF LOTS 2 & 3, ACCORDING TO PLAT THEREOF RECORDED IN PLAT BOOK 9, PAGE 151, PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA.

## UTILITY PROVIDERS

**WATER/SEWER:**  
CITY OF LAKE CITY UTILITIES  
892 SW SAINT MARGARETS ST  
LAKE CITY, FL 32025  
CONTACT:  
PHONE:

**CABLE:**  
COMCAST CABLE  
5934 RICHARD STREET  
JACKSONVILLE, FL 32216  
CONTACT: ANDREW SWEENEY  
PHONE: (904) 738-6898

**ELECTRIC :**  
FLORIDA POWER & LIGHT  
2618 NE BASCOM NORRIS DRIVE  
LAKE CITY, FL 32055  
CONTACT: SHANE EUBANK  
PHONE: (386) 754-2020

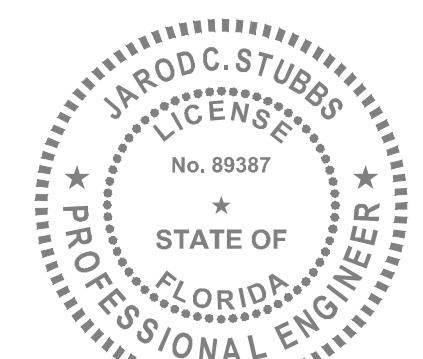
**TELEPHONE:**  
AT&T  
6628 LAKESIDE ROAD  
WEST PALM BEACH, FL 33411  
CONTACT: DINO FARRUGGIO  
EMAIL: G27896@ATT.COM  
PHONE: (561) 683-2729

**FIBER OPTIC :**  
HARGRAY OF FLORIDA, INC.  
8324 BAYMEADOWS WAY, STE. 102  
JACKSONVILLE, FL 32256  
CONTACT: EDWARD HARDING  
PHONE: (904) 652-9934

**GAS :**  
CITY OF LAKE CITY GAS/PUBLIC WORKS  
180 NE GUM SWAMP ROAD  
LAKE CITY, FL 32055  
CONTACT: THOMAS HENRY  
EMAIL: HENRYT@CFLA.COM  
PHONE: (386) 758-5425

## SHEET INDEX

C0.0	COVER SHEET
C1.0-C1.1	GENERAL NOTES
C2.0	STORMWATER POLLUTION PREVENTION PLAN
C3.0-C3.1	EXISTING CONDITIONS & DEMOLITION PLAN
C4.0	OVERALL SITE PLAN
C4.1	SITE PLAN
C4.2	INTERSECTION MODIFICATION PLAN
C4.3-C4.5	TRUCK TURNING MOVEMENTS
C5.0	PAVING, GRADING AND DRAINAGE PLAN
C6.0	UTILITY PLAN
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L1.00	LANDSCAPE PLAN
L1.50	LANDSCAPE DETAILS
L1.51	LANDSCAPE SPECIFICATIONS
L2.00	SCHEMATIC IRRIGATION PLAN
L2.50	IRRIGATION DETAILS
L2.51	IRRIGATION NOTES



JAROD C. STUBBS, P.E.  
FL P.E. # 89387  
05/04/2022

CIRCLE K - US HWY 90 & I-75 HIGH  
SPEED DIESEL FUEL EXPANSION  
MAY 4, 2022  
ENGINEER'S PROJECT No. 149880040

NO.	DESCRIPTION	DATE



Plotted By: Parks, Ethan - Sheet Set: CIRCLE K - US HWY 30 & I-75 High Speed Diesel Fuel Expansion - Layout: C1.1 GENERAL NOTES - June 08, 2022 - 04:28:56pm - K:\ORL-Civil\149880040-Circle K US90 & I75\CADD\CONSTR\PlanSheets\C1.1-NOTES.dwg  
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**SANITARY SYSTEM**

- 1. ALL PVC PIPE SHALL BE SOLID WALL POLYVINYL CHLORIDE PIPE AND COMPLY WITH ASTM D 3034 AND ALL APPLICABLE ASTM DOCUMENTS AS COVERED IN SECTION NO. 2 OF ASTM D 3034. MAIN LINES SHALL BE A MINIMUM OF 8" DIAMETER, AND LATERALS SHALL BE A MINIMUM 6" DIAMETER.
- 2. ALL GRAVITY SEWERS MUST BE SDR 26 PVC. ELASTOMERIC GASKET JOINTS SHALL BE UTILIZED FOR PVC PIPE, AND SHALL COMPLY WITH ASTM F477, ASTM D3034 & ASTM F679. JOINTS SHALL COMPLY WITH ASTM D3212.
- 3. ALL SLOPES FOR GRAVITY SEWER MAINS AND SERVICE CONNECTIONS SHALL COMPLY WITH THE FOLLOWING MINIMUM GRADES: 4" @ 2.00%; 6" @ 1.00% ; AND 8" @ 0.40%.
- 4. ALL SANITARY SEWER WORK SHALL CONFORM WITH APPLICABLE CITY OF LAKE CITY WATER UTILITIES DEPARTMENT STANDARDS AND SPECIFICATIONS.
- 5. PRIOR TO COMMENCING WORK WHICH REQUIRES CONNECTING PROPOSED FACILITIES TO EXISTING LINES OR APPURTENANCES, THE CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION(S) OF EXISTING CONNECTION POINT(S) AND NOTIFY THE OWNER'S ENGINEER OF ANY CONFLICTS OR DISCREPANCIES.

**SANITARY TESTING AND INSPECTION**

- 1. ALL GRAVITY SEWER PIPING SHALL BE SUBJECT TO A VISUAL INSPECTION BY THE OWNER'S ENGINEER AND APPLICABLE MUNICIPALITY/AGENCY. THE CONTRACTOR SHALL NOTIFY THE ENGINEER 48 HOURS IN ADVANCE TO SCHEDULE INSPECTION(S). THE CONTRACTOR SHALL BE RESPONSIBLE FOR COSTS ASSOCIATED WITH A LAMPING INSPECTION OF THE PROPOSED GRAVITY SEWER LINE CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE COPIES OF THE LAMPING INSPECTION TO THE ENGINEER, THE OWNER AND THE APPLICABLE MUNICIPALITY/AGENCY.
- 2. THE CONTRACTOR SHALL PERFORM AN INFILTRATION/EXFILTRATION TEST ON ALL GRAVITY SEWERS IN ACCORDANCE WITH THE REGULATORY AGENCY HAVING JURISDICTION. SAID TESTS ARE TO BE CERTIFIED BY THE ENGINEER OF RECORD AND SUBMITTED TO THE REGULATORY AGENCY FOR APPROVAL. THE SCHEDULING, COORDINATION AND NOTIFICATION OF ALL PARTIES IS THE CONTRACTOR'S RESPONSIBILITY.
- 3. LEAKAGE TESTS ARE SPECIFIED REQUIRING THAT:
  - A. THE LEAKAGE EXFILTRATION OR INFILTRATION DOES NOT EXCEED 200 GALLONS PER INCH OF PIPE DIAMETER PER MILE PER DAY FOR ANY SECTION OF THE SYSTEM.
  - B. EXFILTRATION OR INFILTRATION TESTS BE PERFORMED WITH A MINIMUM POSITIVE HEAD OF 2 FEET
  - C. AIR TESTS, AS A MINIMUM, CONFORM TO THE TEST PROCEDURE DESCRIBED IN ASTM C-828 FOR CLAY PIPE, ASTM C 924 FOR CONCRETE PIPE, ASTM F-1417 FOR PLASTIC PIPE, AND FOR OTHER MATERIALS APPROPRIATE TEST PROCEDURES.
- 4. CONTRACTOR TO PERFORM APPROPRIATE DEFLECTION TESTS FOR ALL FLEXIBLE PIPE. TESTING IS REQUIRED AFTER THE FINAL BACKFILL HAS BEEN IN PLACE AT LEAST 30 DAYS TO PERMIT STABILIZATION OF THE SOIL-PIPE SYSTEM. TESTING REQUIREMENTS SPECIFY:
  - A. NO PIPE SHALL EXCEED A DEFLECTION OF 5%.
  - B. USING A RIGID BALL OR MANDREL FOR THE DEFLECTION TEST WITH A DIAMETER NOT LESS THAN 95% OF THE BASE INSIDE DIAMETER OR AVERAGE INSIDE DIAMETER OF THE PIPE, DEPENDING ON WHICH IS SPECIFIED IN THE ASTM SPECIFICATION, INCLUDING THE APPENDIX, TO WHICH THE PIPE IS MANUFACTURED.
  - C. PERFORMING THE TEST WITHOUT MECHANICAL PULLING DEVICES.
- 5. CONTRACTOR TO INSPECT & TEST MANHOLE FOR WATERTIGHTNESS OR DAMAGE PRIOR TO PLACING INTO SERVICE. AIR TESTING, IF SPECIFIED FOR CONCRETE SEWER MANHOLES, SHALL CONFORM TO THE TEST PROCEDURES DESCRIBED IN ASTM C-1244.

**POTABLE WATER SYSTEM**

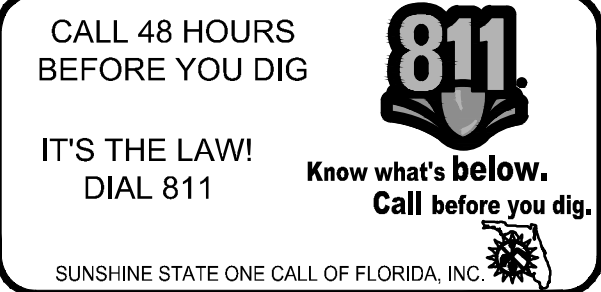
- 1. ALL DIP PIPE SHALL BE CLASS 50 OR HIGHER, REFER TO NOTE #4 BELOW FOR ADDITIONAL DIP SPECIFICATIONS. ADEQUATE MEASURES (PER AWWA, FDEP, AND POLK COUNTY CRITERIA) AGAINST CORROSION SHALL BE UTILIZED.
- 2. ALL WATER MAIN PIPE FITTINGS AND APPURTENANCES SHALL BE INSTALLED TO COMPLY WITH POLK COUNTY STANDARDS AND SPECIFICATIONS.
- 3. ALL WATER SERVICE LINES, VALVES AND METERS SHALL BE INSTALLED TO COMPLY WITH APPLICABLE MUNICIPALITY/AGENCY DEPARTMENT STANDARDS AND SPECIFICATIONS.
- 4. ALL DUCTILE IRON PIPE, 4" TO 24", SHALL BE MANUFACTURED IN ACCORDANCE WITH THE LATEST EDITION OF AWWA C151/A21.51. PIPE SHALL BE FURNISHED IN 18 OR 20 FOOT SECTIONS, PIPE THICKNESS SHALL BE CLASS 50, UNLESS OTHERWISE SPECIFIED.
- 5. ALL WATER SYSTEM CONSTRUCTION, FROM THE POINT OF CONNECTION IN THE RIGHT OF WAY UP TO AND INCLUDING POINT OF METERING AND BACK FLOW PREVENTION (IF REQUIRED), SHALL BE BUILT ACCORDING TO POLK COUNTY STANDARDS AND SPECIFICATIONS.
- 6. CONTRACTOR TO INSTALL TEMPORARY BLOWOFFS, AT THE END(S) OF PROPOSED WATER MAINS AND SERVICE LATERALS TO BUILDING(S), TO ASSURE ADEQUATE (PER AWWA, FDEP, AND POLK COUNTY CRITERIA) FLUSHING AND DISINFECTION/CHLORINATION.
- 7. ALL WATER MAINS SHALL BE STERILIZED IN ACCORDANCE WITH THE APPLICABLE SECTION OF THE LATEST AWWA SPECIFICATION C651 AND CITY OF Land City WATER DEPARTMENT SPECIFICATIONS.
- 8. ALL PVC WATER MAIN, 6" TO 12" DIAMETER PIPING, SHALL BE AWWA C-900 DR-18. JOINTS SHALL BE RUBBER GASKETED PUSH-ON CONFORMING TO ASTM D1869.
- 9. POTABLE WATER MAINS WILL BE PVC SDR 21 (200 PSI) FOR PIPES LESS THEN 4". SCHEDULE 40 AND SCHEDULE 80 PIPING MATERIAL ARE ALSO ACCEPTABLE FOR PIPES SIZES LESS THAN 4". THE ABOVE TYPE INSTALLATIONS MUST BEAR THE "NFS" STAMP FOR COMPATIBILITY WITH POTABLE WATER USE.
- 10. ALL POLYVINYL CHLORIDE PIPE SHALL BE LAID WITH AN INSULATED 10 GAUGE A.W.G. SOLID STRAND COPPER WIRE ON TOP OF THE PIPE. THIS WIRE IS TO BE CONTINUOUS WITH SPLICES MADE ONLY BY METHODS APPROVED BY THE ENGINEER. THIS WIRE IS TO BE SECURED TO ALL VALVES, TEES AND ELBOWS.
- 11. ALL POTABLE WATER WORK SHALL CONFORM WITH APPLICABLE POLK COUNTY UTILITIES DEPARTMENT STANDARDS AND SPECIFICATIONS.
- 12. PVC PIPE BURIED BENEATH ROADWAYS, PARKING LOTS OR PARKING LOT ENTRANCES SHALL MEET AWWA SPECIFICATION C900 OR C905, LATEST REVISION. ALL 6" TO 12" PIPE IN SUCH LOCATIONS SHALL BE A MINIMUM OF CLASS 200, DR-14, AND ALL 14" TO 36" PIPE SHALL BE A MINIMUM OF CLASS 235, DR-18.

**POTABLE WATER TESTING AND INSPECTION**

- 1. ALL COMPONENTS OF THE WATER SYSTEM, INCLUDING FITTINGS, HYDRANTS, CONNECTIONS, AND VALVES SHALL BE PROPERLY PRESSURE TESTED AND ACCEPTED BY THE OWNER'S ENGINEER. PRESSURE TESTS TO BE IN ACCORDANCE WITH POLK COUNTY UTILITIES DEPARTMENT SPECIFICATIONS. CONTRACTOR TO NOTIFY THE OWNER'S ENGINEER AND APPLICABLE AGENCY INSPECTORS 2 FULL BUSINESS DAYS IN ADVANCE OF PERFORMING TESTS.
- 2. CONTRACTOR TO PERFORM CHLORINATION AND BACTERIOLOGICAL SAMPLING, AND OBTAIN CLEARANCE OF DOMESTIC AND FIRE LINE WATER SYSTEM(S). COPIES OF ALL BACTERIOLOGICAL TEST RESULTS ARE TO BE SUBMITTED TO THE OWNER'S ENGINEER FOR CERTIFICATION PURPOSES.
- 3. ALL WATER MAINS SHALL BE PRESSURE TESTED IN ACCORDANCE WITH AWWA MANUAL M23, CONCERNING HYDROSTATIC TESTING OF PVC PIPING. OFF-SITE UTILITIES HYDROSTATIC TESTING TO BE WITNESSED BY THE CITY OF Land City WATER DEPARTMENT INSPECTOR.

**FDOT GENERAL NOTES**

- 1. MAINTENANCE OF TRAFFIC TO BE SUPERVISED BY A CERTIFIED PERSON.
- 2. THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT A MINIMUM OF TWO BUSINESS DAYS PRIOR TO ANY LANE CLOSURES OR BEGINNING ANY CONSTRUCTION WITHIN THE FDOT RIGHT-OF-WAY.
- 3. ALL WORK PERFORMED WITHIN THE FDOT RIGHT OF WAY SHALL BE IN ACCORDANCE WITH THE FY2021-22 OR CURRENT EDITION OF FDOT STANDARD PLANS.
- 4. IF THE DEPARTMENT DETERMINES THAT AS-BUILT CONDITIONS VARY SIGNIFICANTLY FROM THE APPROVED PLANS, THE PERMITTEE SHALL PROVIDE AS-BUILT PLANS, ALONG WITH A RECORD DRAWINGS REPORT BY PERMITTEE'S PROFESSIONAL ENGINEER, FORM 850-040-19, WITHIN 30 DAYS.
- 5. IT WILL BE THE RESPONSIBILITY OF THE PERMITTEE TO REPAIR ANY DAMAGE TO FDOT FACILITIES CAUSED BY CONSTRUCTION OF THE PROJECT.
- 6. TEST RESULTS OF ANY TESTS TAKEN FOR OR DURING CONSTRUCTION OF THE PERMITTED WORK SHALL BE PROVIDED TO THE FDOT UPON REQUEST.
- 7. ALL CONCRETE TO BE REMOVED SHALL BE SAW CUT AT THE NEAREST JOINT IN GOOD CONDITION, SO AS TO PRODUCE A CONNECTION WITH NEW CONCRETE THAT IS FREE OF CRACKS, DEFORMITY IN SHAPE, NOTICEABLE VOIDS, SURFACE IRREGULARITIES, AND OTHER DEFECTS.
- 8. ALL CONCRETE SHALL BE AN APPROVED FDOT MIX DESIGN OF 3,000 PSI MINIMUM.
- 9. ALL MATERIALS INSTALLED WITHIN FDOT RIGHT-OF-WAY SHALL BE LIMITED TO THOSE ON THE FDOT'S QUALIFIED PRODUCTS LIST OR APPROVED PRODUCT LIST OF TRAFFIC CONTROL SIGNALS AND DEVICES.
- 10. THE PERMITTEE SHALL CONTACT THE CITY OF LAKE CITY TRAFFIC DEPT. (386) 758-5400.
- 11. ALL CONSTRUCTION IN THE FDOT ROW SHALL CONFIRM TO THE LATEST EDITIONS OF THE FDOT DESIGN STANDARDS, THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AND THE FDOT UTILITY ACCOMMODATION MANUAL.
- 12. ALL DISTURBED AREAS IN FDOT ROW SHALL BE SODDED.
- 13. ALL WORK PERFORMED WITHIN THE FDOT RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE FDOT DESIGN STANDARDS, THE LATEST EDITION OF THE SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AND THE 2017 UTILITY ACCOMMODATION MANUAL.
- 14. PLEASE NOTIFY JACKSONVILLE OPERATIONS TWO BUSINESS DAYS BEFORE BEGINNING WORK @ (904) 306-7500.

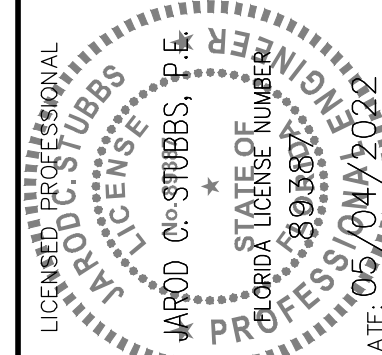


**CIRCLE K - US HWY 90 & I-75 FUEL EXPANSION**

CITY OF LAKE CITY FLORIDA

**GENERAL NOTES**

KHA PROJECT	149880040
DATE	05/04/2022
SCALE	AS SHOWN
DESIGNED BY	TJM
DRAWN BY	TJM
CHECKED BY	JCS
DATE:	05/04/2022

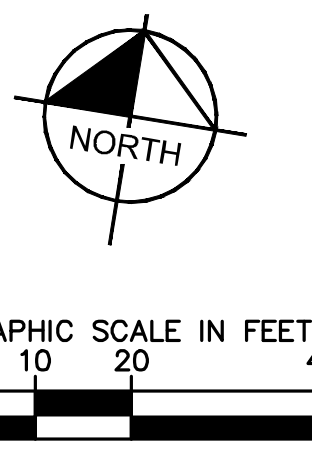


REVISIONS		No.	DATE

SHEET NUMBER **C1.1**



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- NOTES:**
- CONTRACTOR TO COORDINATE WITH UTILITY COMPANY FOR DEMOLITION REQUIREMENTS OF ELECTRICAL SYSTEMS.
  - CONTRACTOR SHALL UTILIZE BEST MANAGEMENT PRACTICES AS NEEDED TO PREVENT SYSTEM POLLUTION DURING TIME OF CONSTRUCTION.
  - REFER TO SWPPP SHEET C2.0 FOR ADDITIONAL NOTES AND DETAILS.
  - INSTALL AND MAINTAIN SILT FENCE AT LIMITS OF CONSTRUCTION. SEE DETAIL SHEET C7.0.
  - PROVIDE SOIL TRACKING PREVENTION DEVICE AT ALL CONSTRUCTION ACCESS POINTS. SEE DETAIL SHEET C7.1.
  - UTILIZE PERFORATED SOCK DRAIN (OR EQUIVALENT) IN FRONT OF EXISTING/PROPOSED CURB INLETS ADJACENT TO CONSTRUCTION ACTIVITIES. SEE DETAIL SHEET C7.1.
  - INSTALL AND MAINTAIN FILTER FABRIC UNDER GRATES OF EXISTING/PROPOSED INLETS. SEE SHEET C7.1.
  - CONTRACTOR TO ENSURE ADEQUATE COVER REMAINS OVER ALL EXISTING UTILITIES.
  - CONTRACTOR TO VERIFY EXISTING COVER OVER ALL UTILITIES BEFORE START OF CONSTRUCTION AND TO COORDINATE WITH THE ENGINEER OF RECORD PRIOR TO START OF CONSTRUCTION IF DESIGN DOES NOT PROVIDE 36" COVER.
  - CONTRACTOR IS TO VERIFY EXISTING SANITARY, STORM, WATER, ELECTRIC, PHONE, CABLE, AND NATURAL GAS SERVICES TO BUILDINGS SCHEDULED FOR DEMOLITION. SERVICES ARE TO BE ISOLATED FROM THE MAIN UTILITY SERVICE CONNECTIONS, AND CAPPED AND/OR REMOVED AS REQUIRED BY THE UTILITY PROVIDER. UTILITY SERVICES ARE TO BE ISOLATED IN A MANNER THAT WILL INSURE THAT ADJACENT PROPERTIES REMAIN CONNECTED WITHOUT EXPERIENCING AN INTERRUPTION OF SERVICE.
  - THERE MAY BE ON-SITE UNDERGROUND UTILITIES (INCLUDING BUT NOT LIMITED TO IRRIGATION, SANITARY SEWER, POTABLE WATER LINES, NATURAL GAS LINES, FIBER OPTIC, ELECTRIC, TELEPHONE AND CABLE LINES) THAT WERE NOT LOCATED OR IDENTIFIED BY THE PROJECT SURVEYOR. PRIOR TO CONSTRUCTION START, CONTRACTOR SHALL FIELD VERIFY ALL EXISTING ON-SITE UTILITIES.
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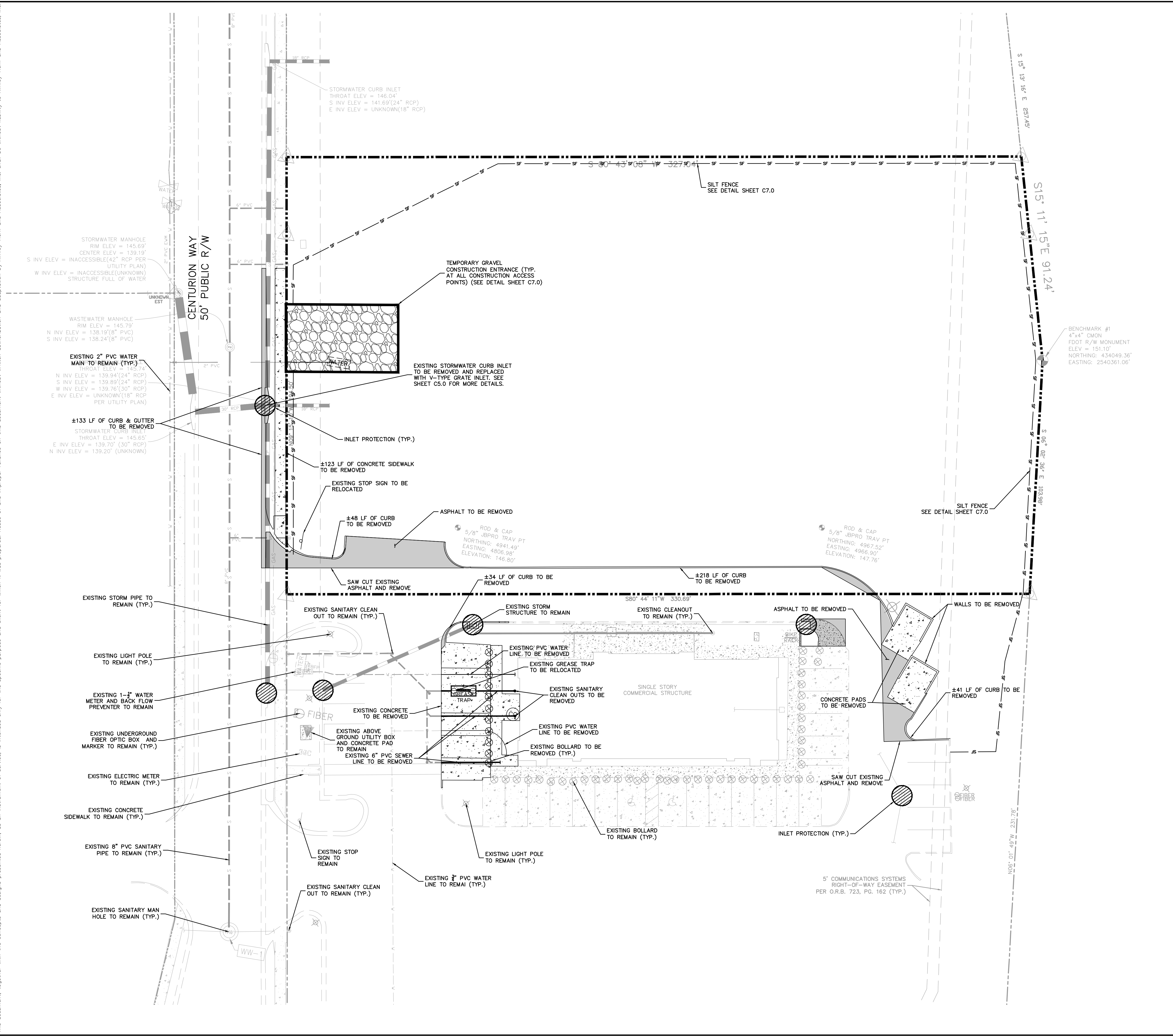
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 PHONE: 407-898-1511  
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KHA PROJECT  
 149880040  
 DATE  
 05/04/2022  
 SCALE AS SHOWN  
 DESIGNED BY EJJ  
 DRAWN BY EJJ  
 CHECKED BY JCS  
 DATE: 05/04/2022

**EXISTING CONDITIONS & DEMOLITION PLAN**

**CIRCLE K - US HWY 30 & I-75 FUEL EXPANSION**  
 CITY OF LAKE CITY, FLORIDA  
 SHEET NUMBER  
**C3.0**

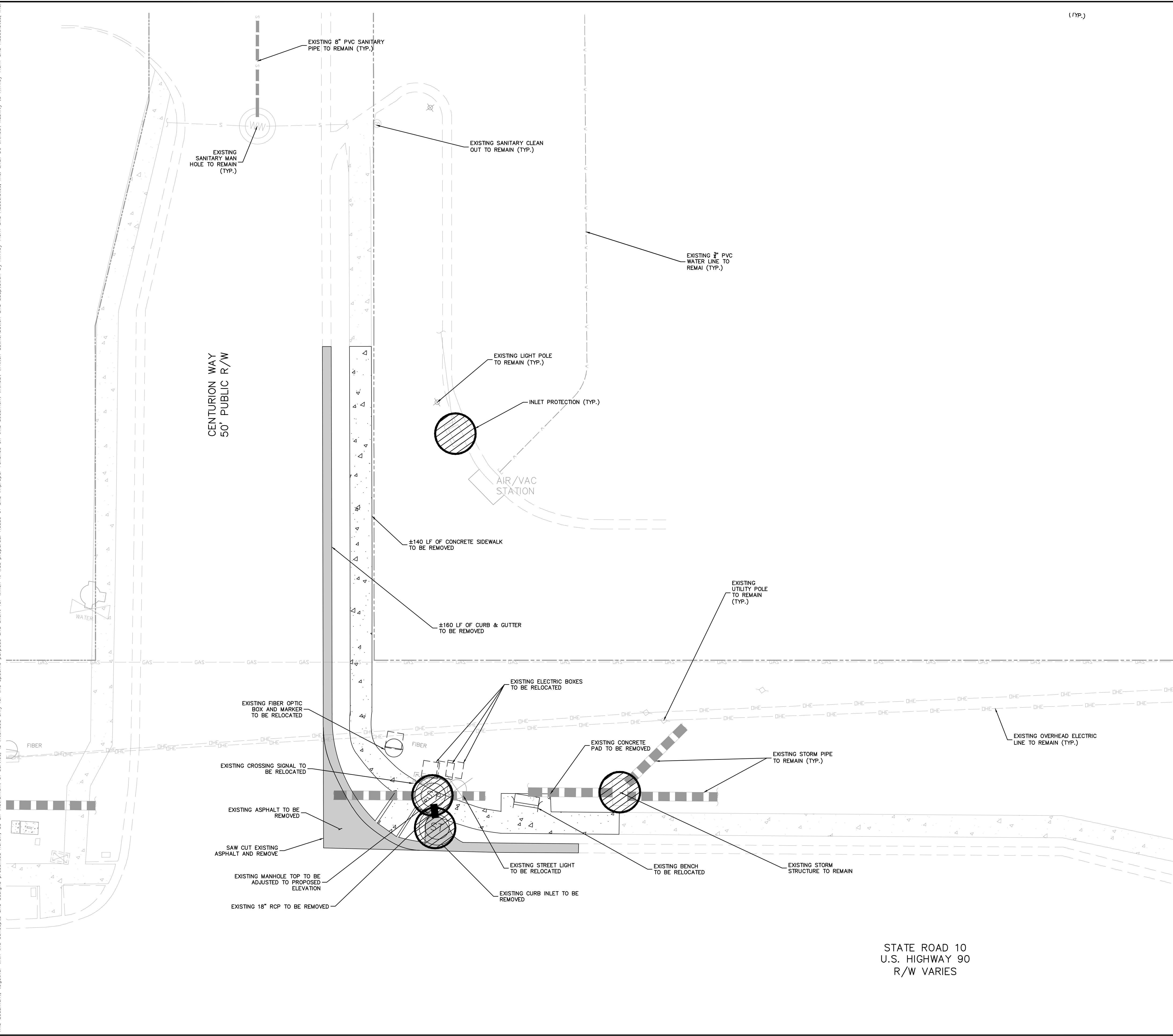


- LEGEND**
- PROPERTY LINE (TYP.)
  - INLET PROTECTION (SEE DETAIL SHEET C7.0)
  - S- TYPE III SILT FENCE (SEE DETAIL SHEET C7.0)
  - EXISTING TO BE DEMOLISHED
  - S- EXISTING SEWER MAIN
  - W- EXISTING WATER MAIN
  - S- EXISTING STORM PIPE
  - GAS- EXISTING GAS MAIN
  - E- EXISTING OVERHEAD ELECTRIC LINE
  - EXISTING TREE TO REMAIN
  - ✕ EXISTING TREE TO BE REMOVED
  - FW- EXISTING FORCE MAIN

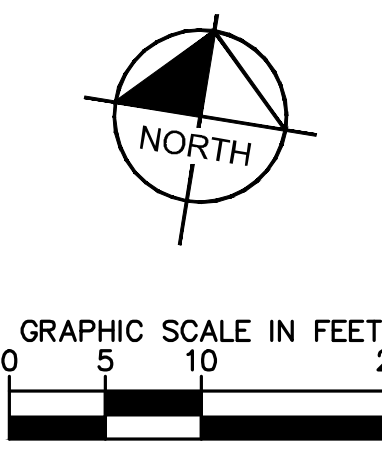
**VERTICAL DATUM:**  
 ELEVATIONS ARE REFERENCED TO PLAT BENCHMARKS AS SHOWN ON THE FACE OF THE PLAT OF GATEWAY CROSSING REPLAT OF LOTS 2 AND 3, PLAT BOOK 9, PAGE 151

CALL 48 HOURS BEFORE YOU DIG  
**811**  
 IT'S THE LAW!  
 DIAL 811  
 Know what's below.  
 Call before you dig.  
 SUNSHINE STATE ONE CALL OF FLORIDA, INC.

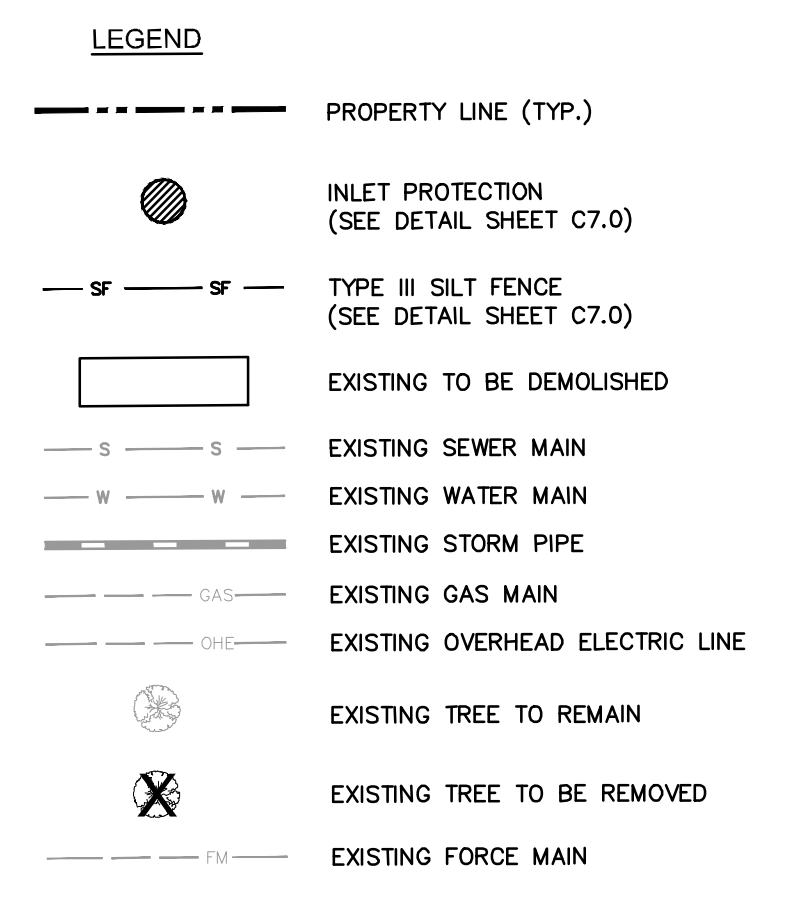
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(TYP.)



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  - CONTRACTOR TO COORDINATE WITH UTILITY COMPANY FOR DEMOLITION REQUIREMENTS OF ELECTRICAL SYSTEMS.
  - CONTRACTOR SHALL UTILIZE BEST MANAGEMENT PRACTICES AS NEEDED TO PREVENT SYSTEM POLLUTION DURING TIME OF CONSTRUCTION.



NO.	REVISIONS	DATE	BY

**Kimley»Horn**

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 PHONE: 407-898-1511  
 WWW.KIMLEY-HORN.COM REGISTRY NO. 35106

**LICENSED PROFESSIONAL ENGINEER**  
 STATE OF FLORIDA  
 PROFESSIONAL REGISTERED NUMBER: 120883  
 DATE: 06/11/2011

KHA PROJECT: 149880040  
 DATE: 05/04/2022  
 SCALE: AS SHOWN  
 DESIGNED BY: EJJF  
 DRAWN BY: EJJF  
 CHECKED BY: JCS

**EXISTING CONDITIONS & DEMOLITION PLAN**

**CIRCLE K - US HWY 90 & I-75 FUEL EXPANSION**

CITY OF LAKE CITY FLORIDA

SHEET NUMBER: **C3.1**

STATE ROAD 10  
 U.S. HIGHWAY 90  
 R/W VARIES

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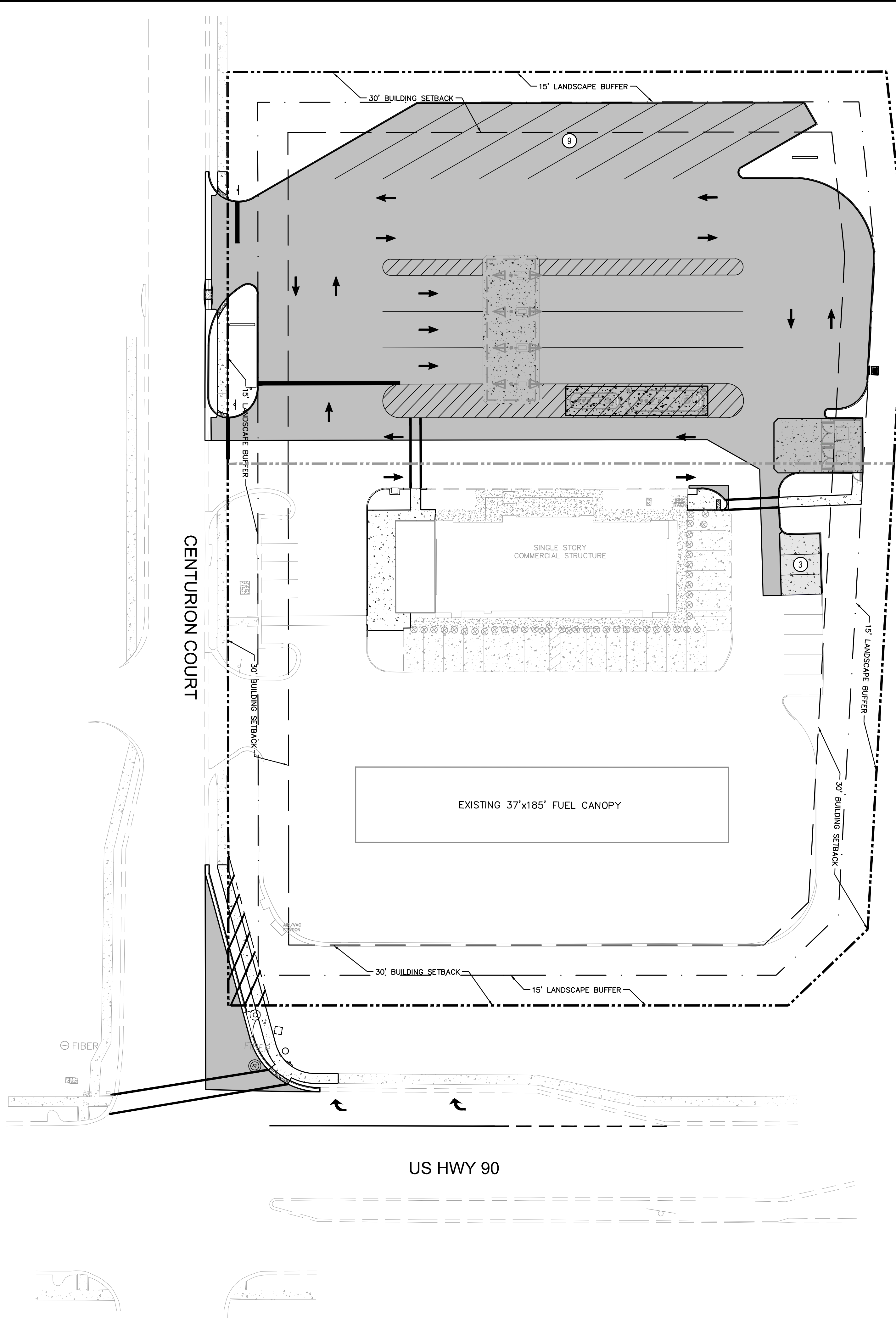
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Plotted By: Parks, Etham - Sheet Set: CIRCLE K - US HWY 30 & I-75 High Speed Diesel Fuel Expansion - Layout: C4.G OVERALL SITE PLAN - June 08, 2022 - 04:29:42pm - K:\ORL\Civil\149880040-Circle K US90 & I75\CADD\CONSIT\PlanSheets\C4.0 - SITE PLAN.dwg  
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2. BUILDING DIMENSIONS ARE TO THE OUTSIDE FACE OF BUILDING UNLESS OTHERWISE NOTED.
3. REFER TO ARCHITECTURAL AND STRUCTURAL PLANS TO VERIFY ALL BUILDING DIMENSIONS.
4. REFER TO SIGNAGE PLANS FOR MONUMENT SIGN DETAILS.
5. SEE MEP PLANS FOR ELECTRICAL DRAWINGS.
6. ALL PROPOSED ON-SITE STRIPING AND PAVEMENT MARKING WILL BE PAINTED UNLESS OTHERWISE NOTED AND IN ACCORDANCE WITH FDOT INDEX 711-001.
7. REFER TO ARCHITECTURAL PLANS FOR PROPOSED TRASH CAN LOCATIONS AND DESIGN.
8. BOLLARDS IN SIDEWALK ADJACENT TO BUILDING SHALL BE COVERED WITH RED PLASTIC COVERS TO BE SUPPLIED BY CONTRACTOR.
9. BOLLARDS UNDER CANOPY SHALL BE COVERED WITH GRAY PLASTIC COVERS TO BE SUPPLIED BY CONTRACTOR (SEE FUEL PUMP DESIGNER PLANS FOR MORE DETAIL).
10. REFER TO ARCHITECTURAL PLANS FOR SITE LIGHTING AND ELECTRICAL PLANS.
11. ALL SIGNAGE AND PAVEMENT MARKINGS SHALL MEET MUTCD AND FDOT STANDARDS.
12. ALL SIGNAGE SHALL MEET THE REQUIREMENTS OF CITY OF LAKE CITY LAND DEVELOPMENT CODE, CHAPTER 7, SEC. 760

**SITE DATA:**

PROJECT AREA:	3.46± ACRES (150,953 SF)
FUTURE LAND USE:	COMMERCIAL
EXISTING ZONING:	CHI - COMMERCIAL, HIGHWAY INTERCHANGE
EXISTING USE:	UNDEVELOPED
PROPOSED USE:	COMMERCIAL
BUILDING HEIGHT:	
PROPOSED:	1 STORY / <35 FT
FAR:	0.0388
EXISTING PEROUS AREA:	99,714.2 SF (2.29 AC) (66%)
PROPOSED PEROUS AREA:	34,981 SF (0.803 AC) (23%)
PROPOSED IMPERVIOUS AREA:	
BUILDING AREA :	5,863 SF (0.135 AC) (3.88%)
(EXISTING BLDG+EXPANSION)	
ASPHALT/CONCRETE AREA:	106,401.5 SF (2.44 AC) (70.5%)
(EXISTING+HSD EXPANSION)	
TOTAL IMPERVIOUS AREA:	112,264.5 SF (2.58 AC) (65%)

**PARKING REQUIRED**

CONVENIENCE STORE (WITH GAS STATION)	
1 SPACES / 150 SF NON-STORAGE AREA (5,043 SF)	34
TOTAL REQUIRED PARKING	34

**PARKING PROVIDED**

PROPOSED HANDICAP SPACES:	2
PROPOSED REGULAR SPACES:	31
PROPOSED SEMI TRUCK SPACES:	9
PROPOSED ON-SITE SPACES:	42

**BICYCLE PARKING**

REQUIRED SPACES:	0
PROVIDED SPACES:	4

**BUILDING SETBACKS**

	REQUIRED	PROVIDED
SIDE (WEST):	30 FT	83 FT
REAR (NORTH):	30 FT	220 FT
FRONT (SOUTH):	30 FT	196 FT
SIDE (EAST):	30 FT	107 FT

**LANDSCAPE SETBACKS**

	REQUIRED	PROVIDED
SIDE (WEST):	15 FT	15 FT
REAR (NORTH):	15 FT	15 FT
FRONT (SOUTH):	N/A	0 FT
SIDE (EAST):	15 FT	15 FT

**LEGEND**

- PROPERTY LINE (TYP.)
- ▒ PROPOSED ASPHALT PAVEMENT (SEE DETAIL SHEET C7.0)
- ▒ PROPOSED CONCRETE SIDEWALK (SEE DETAIL SHEET C7.0)
- ▒ PROPOSED MEDIUM DUTY CONCRETE (SEE DETAIL SHEET C7.0)
- ▒ PROPOSED HEAVY DUTY CONCRETE (SEE DETAIL SHEET C7.0)

**VERTICAL DATUM:**

ELEVATIONS ARE REFERENCED TO PLAT BENCHMARKS AS SHOWN ON THE FACE OF THE PLAT OF GATEWAY CROSSING REPLAT OF LOTS 2 AND 3, PLAT BOOK 9, PAGE 151

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LICENSED PROFESSIONAL ENGINEER  
 STATE OF FLORIDA  
 PROFESSIONAL ENGINEERING  
 NO. 149880040  
 DATE: 05/04/2022  
 SCALE: AS SHOWN  
 DESIGNED BY: EJJF  
 DRAWN BY: EJJF  
 CHECKED BY: JCS

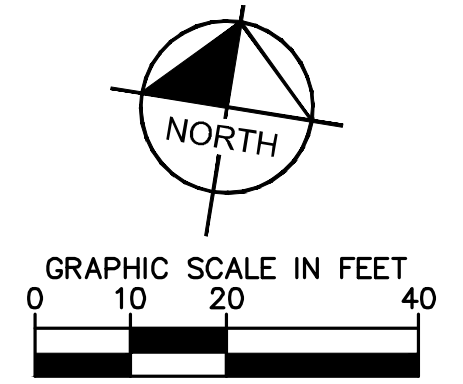
**OVERALL SITE PLAN**

CIRCLE K - US HWY 90 & I-75 FUEL EXPANSION

CITY OF LAKE CITY FLORIDA

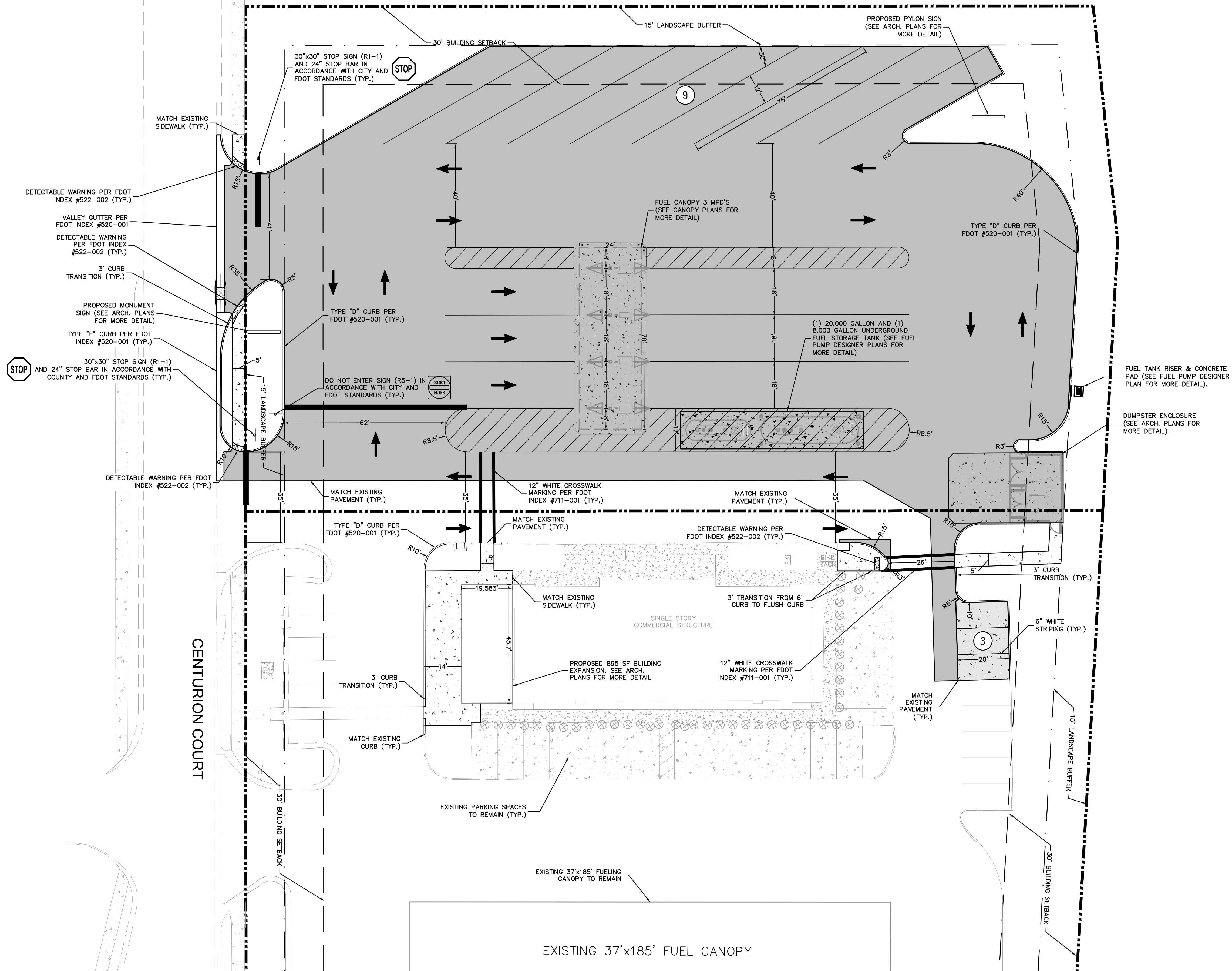
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**C4.0**

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**INTERSTATE 75 OFF-RAMP**

**LEGEND**

- PROPERTY LINE (TYP.)
- PROPOSED ASPHALT PAVEMENT (SEE DETAIL SHEET C7.0)
- PROPOSED CONCRETE SIDEWALK (SEE DETAIL SHEET C7.0)
- PROPOSED MEDIUM DUTY CONCRETE (SEE DETAIL SHEET C7.0)
- PROPOSED HEAVY DUTY CONCRETE (SEE DETAIL SHEET C7.0)

**VERTICAL DATUM:**  
 ELEVATIONS ARE REFERENCED TO PLAT BENCHMARKS AS SHOWN ON THE FACE OF THE PLAT OF GATEWAY CROSSING REPLAT OF LOTS 2 AND 3, PLAT BOOK 9, PAGE 151

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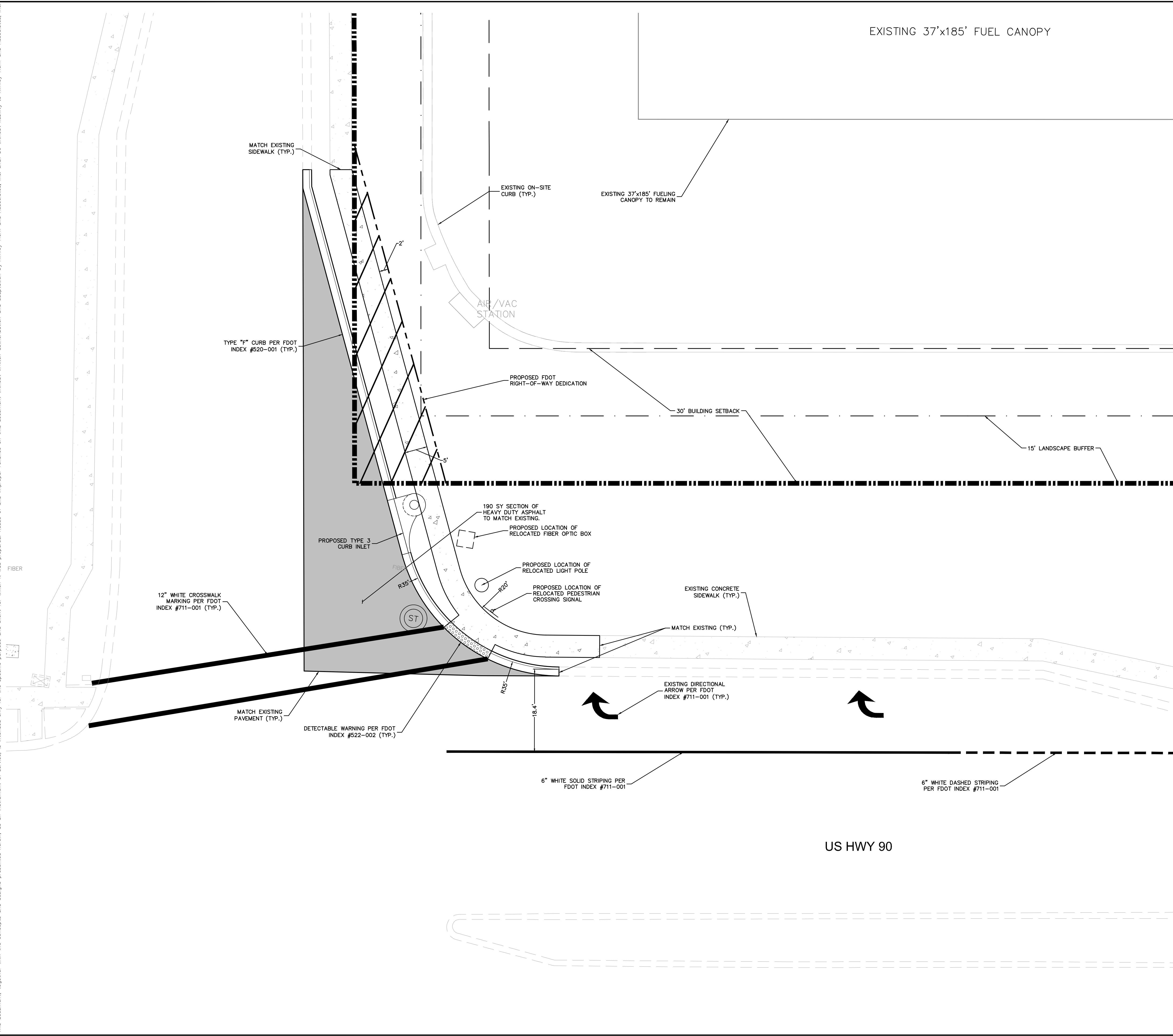
KHA PROJECT	149880040
DATE	05/04/2022
SCALE	AS SHOWN
DESIGNED BY	EJF
DRAWN BY	EJF
CHECKED BY	JCS

**SITE PLAN**

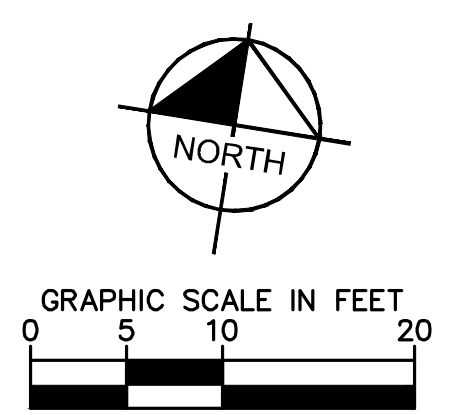
CIRCLE K - US HWY 30 & I-75 FUEL EXPANSION  
 SHEET NUMBER C4.1  
 CITY OF LAKE CITY FLORIDA



Plotted By: Parks, Ethan - Sheet Set: CIRCLE K - US HWY 30 & I-75 High-Speed Diesel Fuel Expansion - Layout: CA.2 INTERCHANGE MODIFICATIONS PLAN - June 08, 2022 - 04:28:37pm - K:\ORL\_CIVIL\49880040-Circle K US90 & I75\CADD\CONSTR\PlanSheets\C4.0 - SITE PLAN.dwg  
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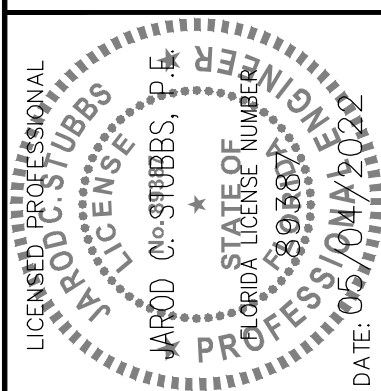
EXISTING 37'x185' FUEL CANOPY



- NOTES:**
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DATE	05/04/2022
SCALE	AS SHOWN
DESIGNED BY	EJF
DRAWN BY	EJF
CHECKED BY	JCS
DATE	05/04/2022

**INTERSECTION  
MODIFICATION PLAN**

**CIRCLE K - US HWY  
90 & I-75 FUEL  
EXPANSION**

CITY OF LAKE CITY FLORIDA

SHEET NUMBER  
**C4.2**

**LEGEND**

	PROPERTY LINE (TYP.)
	PROPOSED ASPHALT PAVEMENT (SEE DETAIL SHEET C7.0)
	PROPOSED CONCRETE SIDEWALK (SEE DETAIL SHEET C7.0)
	PROPOSED MEDIUM DUTY CONCRETE (SEE DETAIL SHEET C7.0)
	PROPOSED HEAVY DUTY CONCRETE (SEE DETAIL SHEET C7.0)

**VERTICAL DATUM:**  
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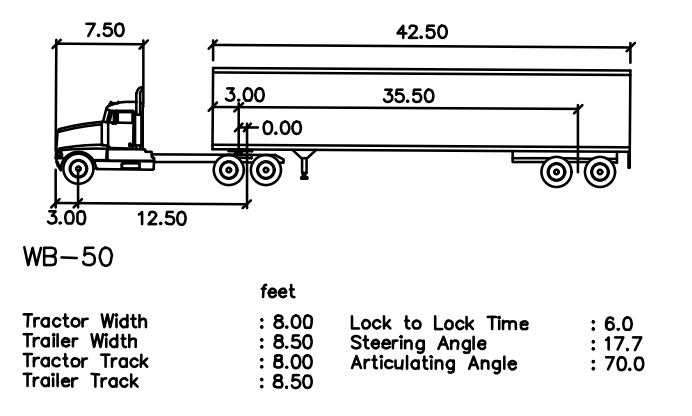
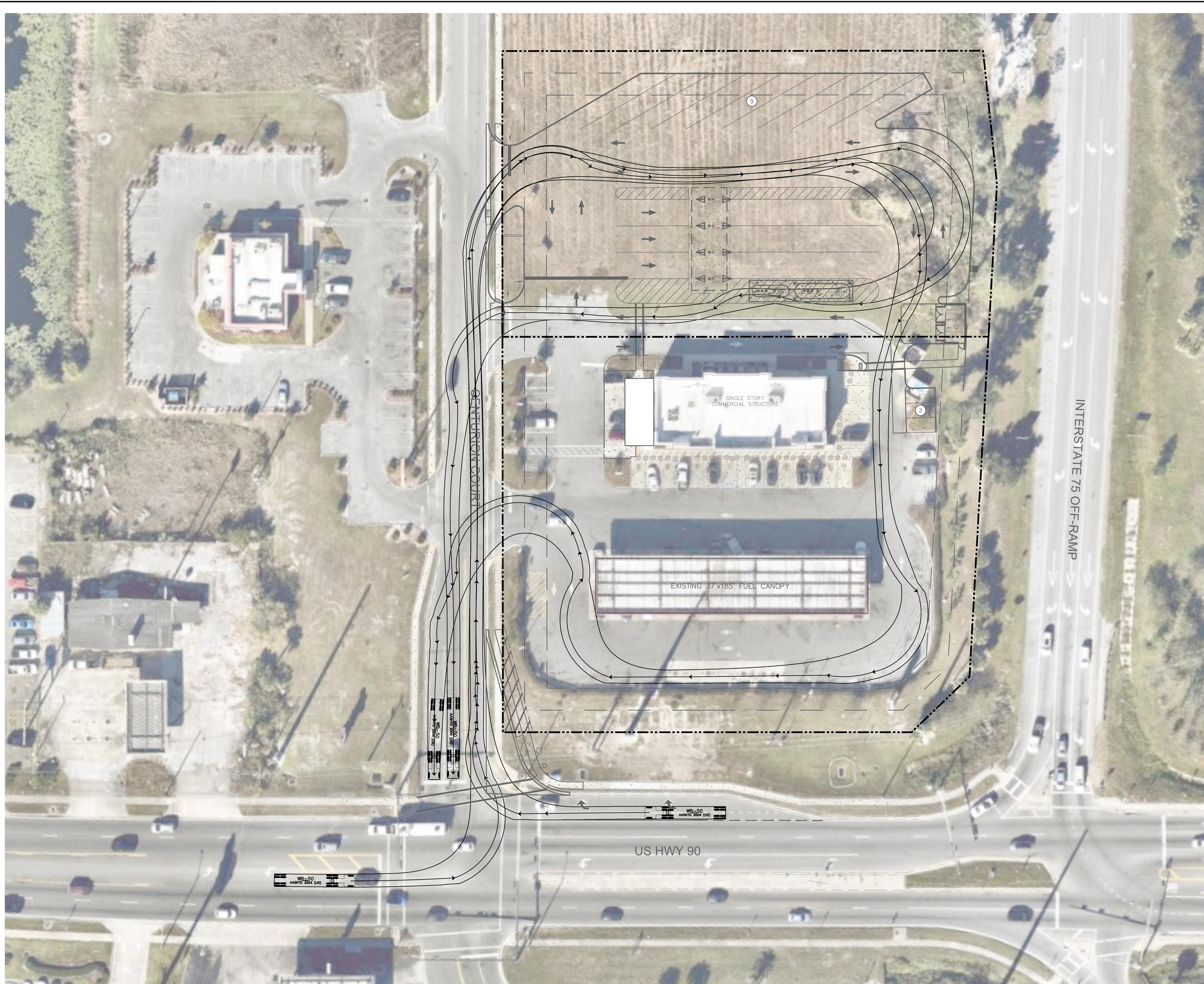
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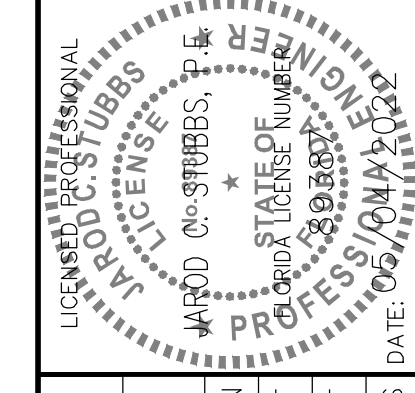
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KHA PROJECT	149880040
DATE	05/04/2022
SCALE	AS SHOWN
DESIGNED BY	EJF
DRAWN BY	EJF
CHECKED BY	JCS
JCS DATE	05/04/2022

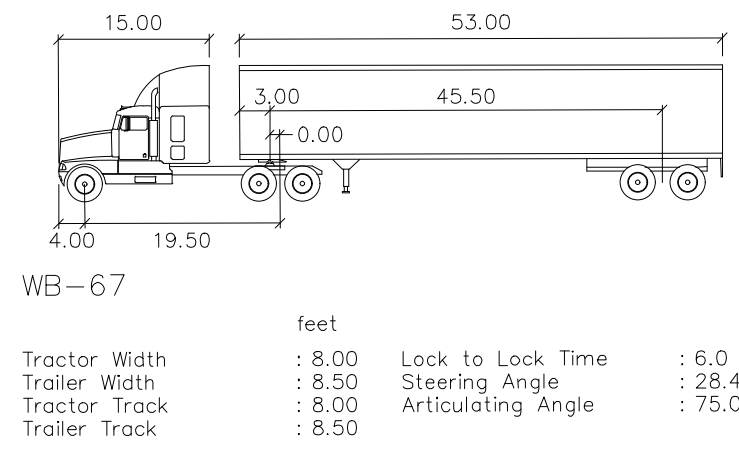
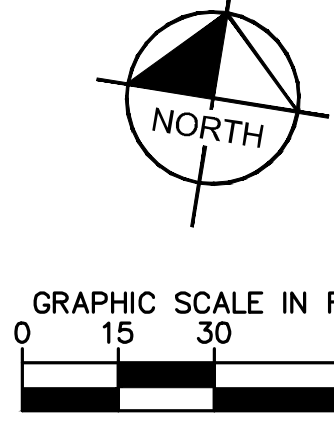
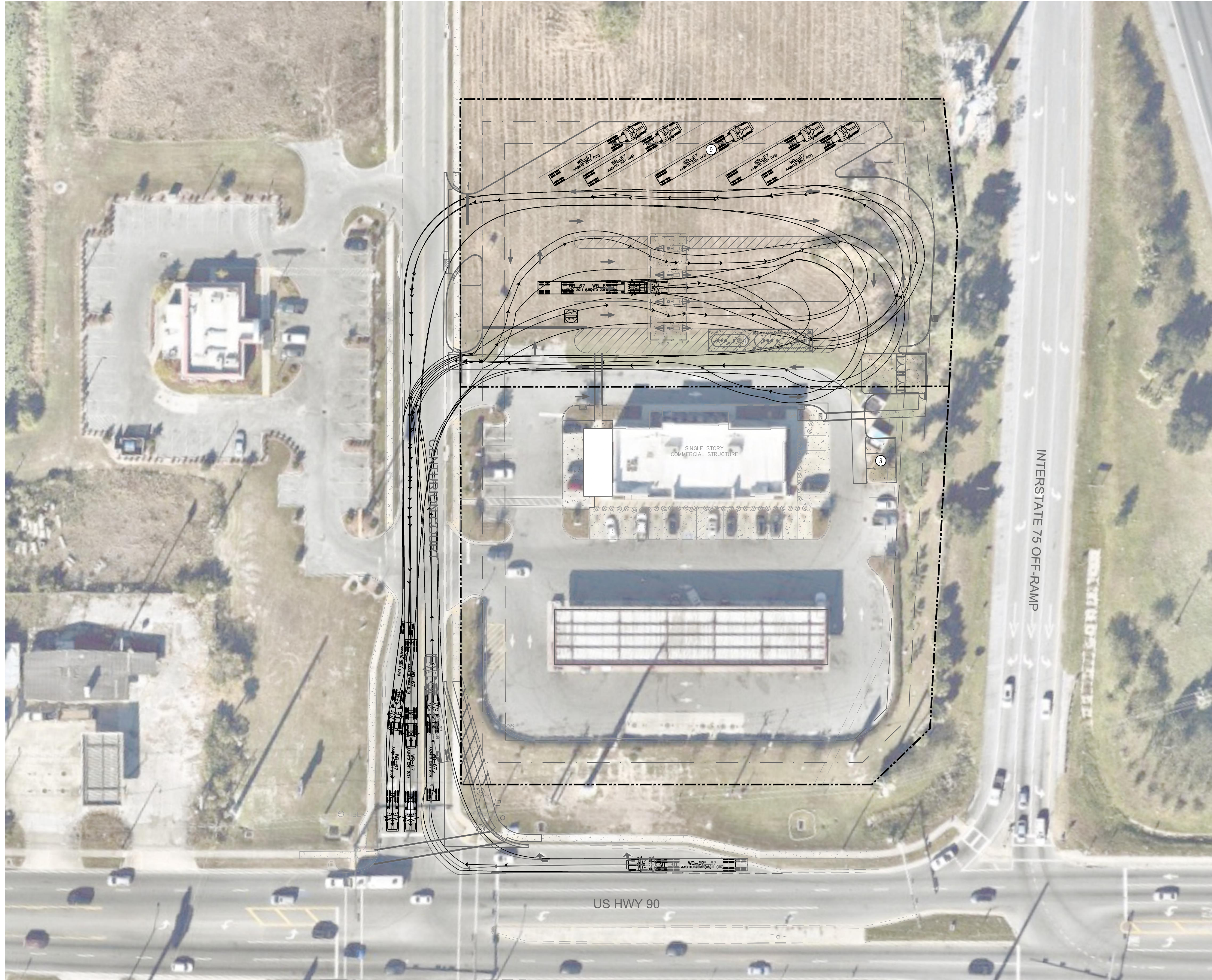
## TRUCK TURNING MOVEMENTS

CIRCLE K - US HWY 90 & I-75 FUEL EXPANSION

CITY OF LAKE CITY FLORIDA

SHEET NUMBER  
**C4.3**

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LICENSED PROFESSIONAL ENGINEER  
 STATE OF FLORIDA  
 PROFESSIONAL REGISTRY NO. 120883  
 DATE: 05/04/2022

KHA PROJECT	149880040
DATE	05/04/2022
SCALE	AS SHOWN
DESIGNED BY	EJF
DRAWN BY	EJF
CHECKED BY	JCS

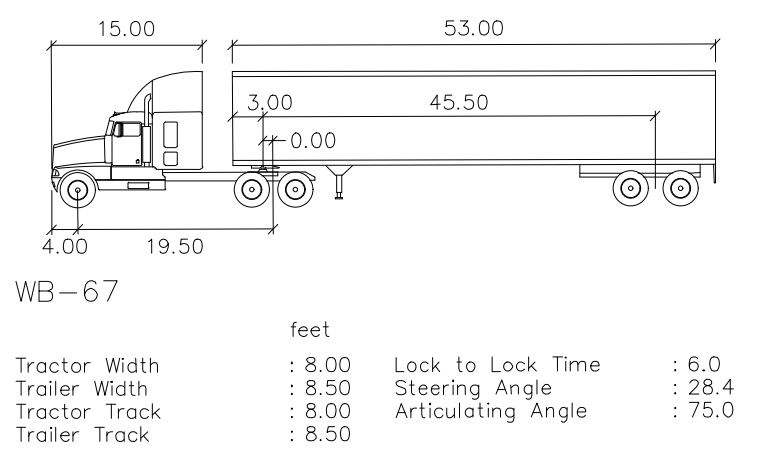
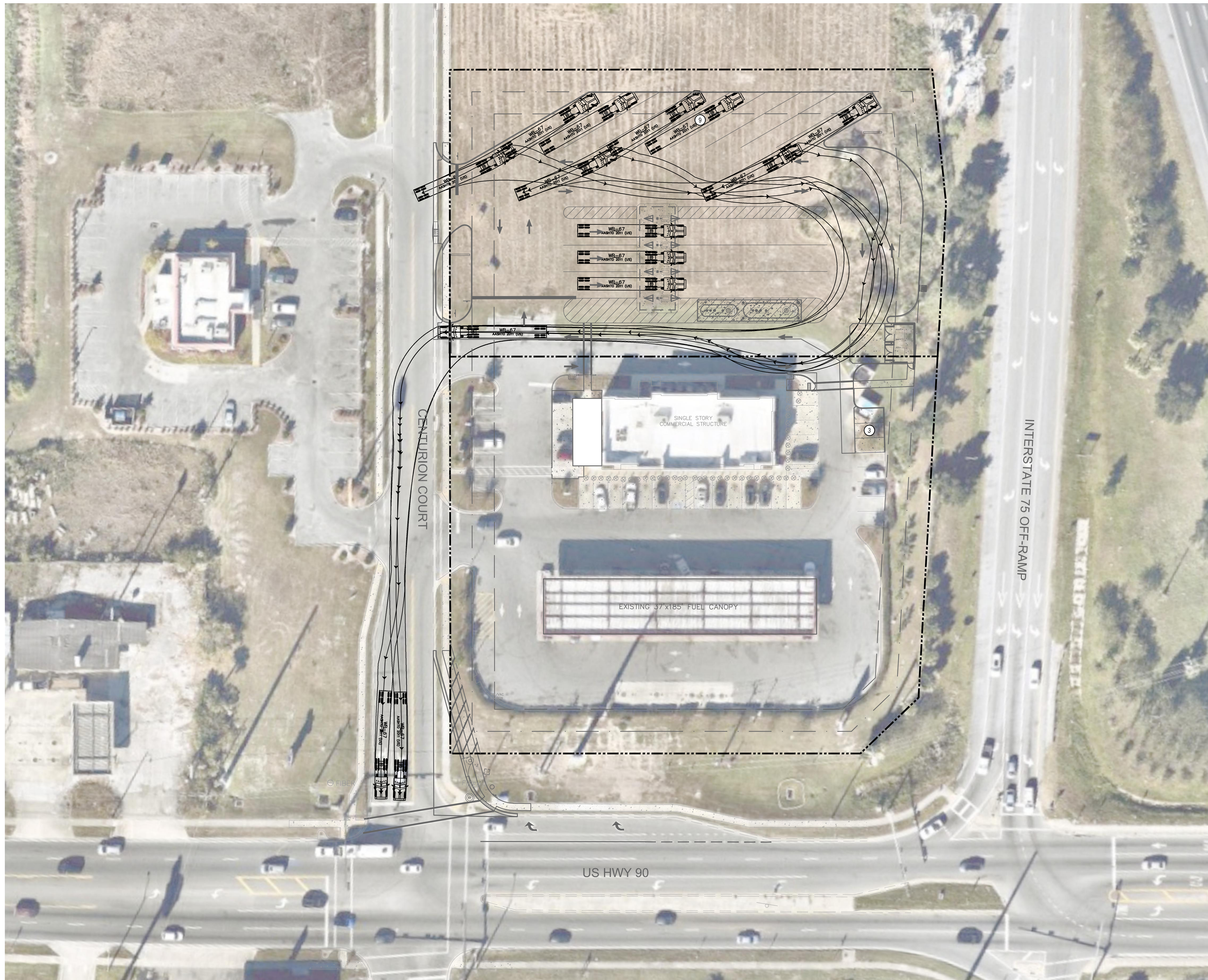
**TRUCK TURNING MOVEMENTS**

**CIRCLE K - US HWY 90 & I-75 FUEL EXPANSION**

SHEET NUMBER  
**C4.4**

CITY OF LAKE CITY FLORIDA

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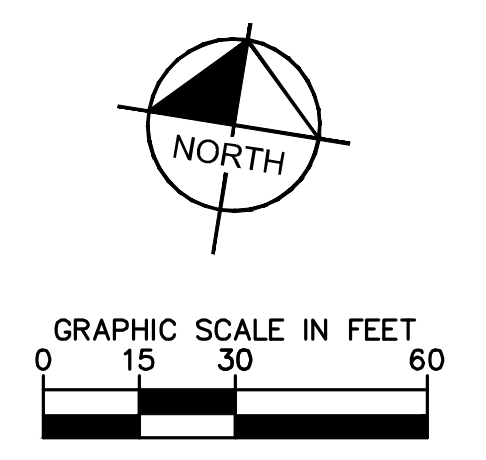
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KHA PROJECT  
149880040

DATE  
05/04/2022

SCALE AS SHOWN

DESIGNED BY E.J.F.

DRAWN BY E.J.F.

CHECKED BY J.C.S. DATE: 05/05/2022

LICENSED PROFESSIONAL  
 CIVIL ENGINEER  
 STATE OF FLORIDA  
 PROFESSIONAL NUMBER  
 120988

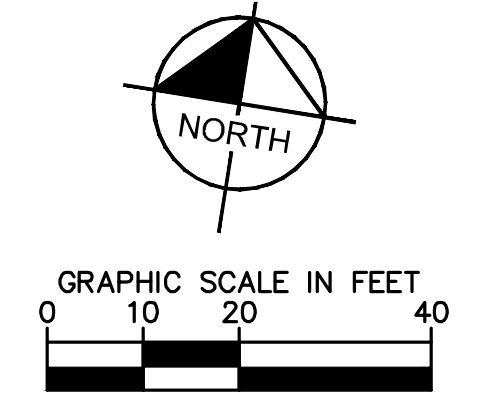
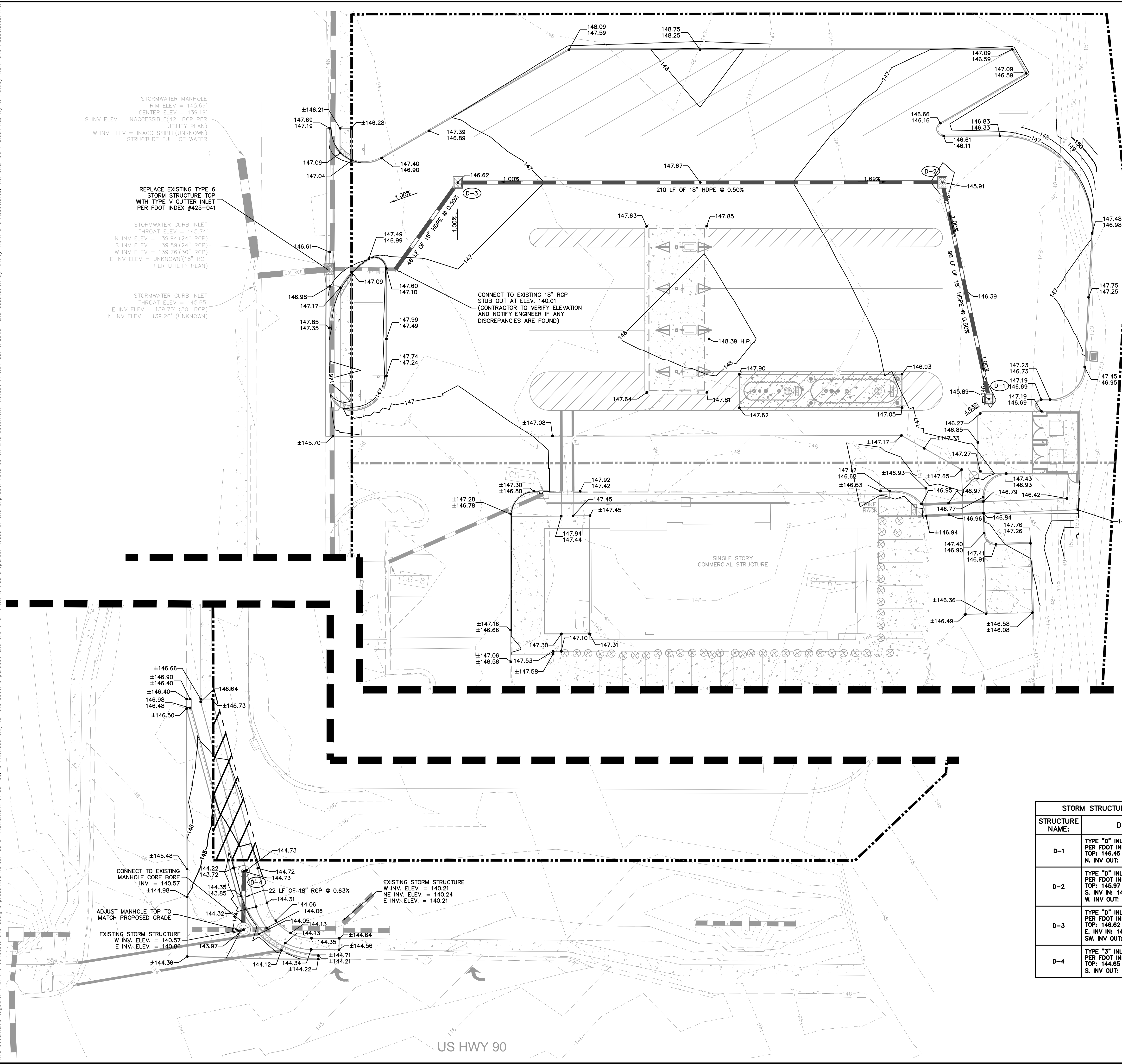
**C4.5 - TRUCK TURNING MOVEMENTS**

**CIRCLE K - US HWY 90 & I-75 FUEL EXPANSION**

CITY OF LAKE CITY FLORIDA

SHEET NUMBER  
**C4.5**

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STORMWATER MANHOLE  
 RIM ELEV = 145.69'  
 CENTER ELEV = 139.19'  
 S INV ELEV = INACCESSIBLE (42" RCP PER UTILITY PLAN)  
 W INV ELEV = INACCESSIBLE (UNKNOWN) STRUCTURE FULL OF WATER

REPLACE EXISTING TYPE 6  
 STORM STRUCTURE TOP  
 WITH TYPE W CUTTER INLET  
 PER FDOT INDEX #425-041

STORMWATER CURB INLET  
 THROAT ELEV = 145.74'  
 N INV ELEV = 139.94' (24" RCP)  
 S INV ELEV = 139.89' (24" RCP)  
 W INV ELEV = 139.76' (30" RCP)  
 E INV ELEV = UNKNOWN (18" RCP PER UTILITY PLAN)

STORMWATER CURB INLET  
 THROAT ELEV = 145.65'  
 E INV ELEV = 139.70' (30" RCP)  
 N INV ELEV = 139.20' (UNKNOWN)

CONNECT TO EXISTING 18" RCP  
 STUB OUT AT ELEV. 140.01  
 (CONTRACTOR TO VERIFY ELEVATION  
 AND NOTIFY ENGINEER IF ANY  
 DISCREPANCIES ARE FOUND)

CONNECT TO EXISTING  
 MANHOLE CORE BORE  
 INV. = 140.57

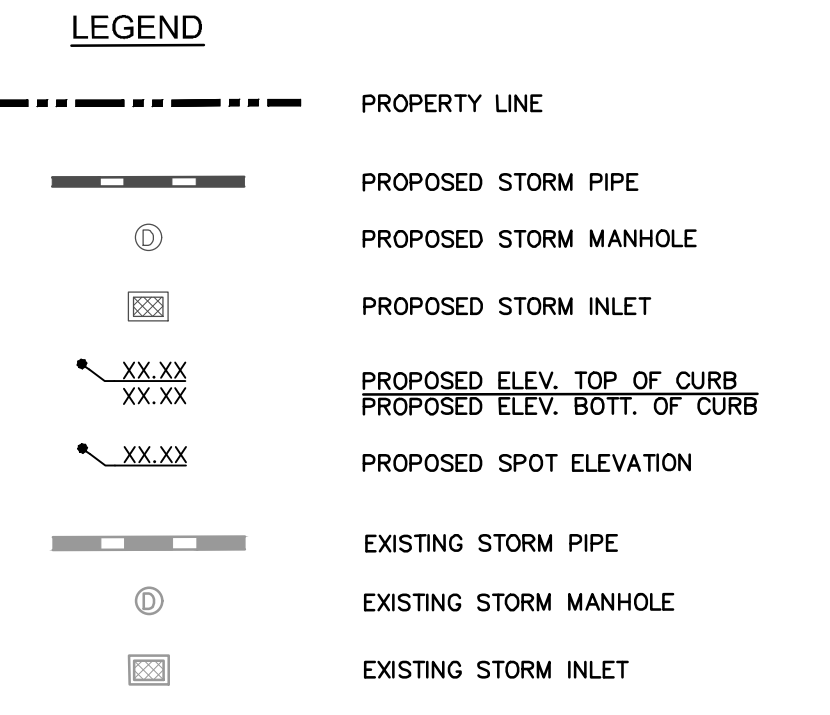
ADJUST MANHOLE TOP TO  
 MATCH PROPOSED GRADE

EXISTING STORM STRUCTURE  
 W INV. ELEV. = 140.57  
 E INV. ELEV. = 140.86

EXISTING STORM STRUCTURE  
 W INV. ELEV. = 140.21  
 NE INV. ELEV. = 140.24  
 E INV. ELEV. = 140.21

- NOTES:**
- ALL STORM PIPES LABELED "HDPE" SHALL BE ADS HIGH PERFORMANCE (HP) POLYPROPYLENE STORM SEWER PIPE.
  - CURB RAMPS ALONG PUBLIC STREETS AND IN THE PUBLIC RIGHT-OF-WAY SHALL BE CONSTRUCTED IN ACCORDANCE WITH FDOT STANDARDS AND SPECIFICATIONS.
  - PRIVATE CURB RAMPS ON THE SITE (I.E. OUTSIDE PUBLIC STREET RIGHT-OF-WAY) SHALL CONFORM TO ADA STANDARDS AND SHALL HAVE A DETECTABLE WARNING SURFACE THAT IS FULL WIDTH AND FULL DEPTH OF THE CURB RAMP, NOT INCLUDING FLARES.
  - ALL ACCESSIBLE ROUTES, GENERAL SITE AND BUILDING ELEMENTS, RAMPS, CURB RAMPS, STRIPING, AND PAVEMENT MARKINGS SHALL CONFORM TO ADA STANDARDS FOR ACCESSIBLE DESIGN, LATEST EDITION.
  - BEFORE PLACING PAVEMENT, CONTRACTOR SHALL VERIFY THAT SUITABLE ACCESSIBLE PEDESTRIAN ROUTES (PER ADA AND FHA) EXIST TO AND FROM EVERY DOOR AND ALONG SIDEWALKS, ACCESSIBLE PARKING SPACES, ACCESSIBLE ROUTES. IN NO CASE SHALL AN ACCESSIBLE RAMP SLOPE EXCEED 1 VERTICAL TO 12 HORIZONTAL. IN NO CASE SHALL LONGITUDINAL CROSS SLOPE EXCEED 2.0 PERCENT. IN NO CASE SHALL LONGITUDINAL SIDEWALK SLOPE EXCEED 5.0 PERCENT. ACCESSIBLE PARKING SPACES AND ACCESSIBLE ROUTES SHALL NOT EXCEED 2.0 PERCENT SLOPE IN ANY DIRECTION.
  - CONTRACTOR SHALL TAKE FIELD SLOPE MEASUREMENTS ON FINISHED SUBGRADE AND FORM BOARDS PRIOR TO PLACING PAVEMENT TO VERIFY THAT ADA SLOPE REQUIREMENTS ARE PROVIDED. CONTRACTOR SHALL CONTACT ENGINEER PRIOR TO PAVING IF ANY EXCESSIVE SLOPES ARE ENCOUNTERED. NO CONTRACTOR CHANGE ORDERS WILL BE ACCEPTED FOR ADA SLOPE COMPLIANCE ISSUES.
  - ALL PEDESTRIAN SIDEWALKS, PATHWAYS, AND CROSSWALKS SHALL BE CONSTRUCTED NOT TO EXCEED MAX. 2.0% CROSS SLOPE, MAX. 5.0% RUNNING SLOPE.
  - ALL HANDICAP ACCESSIBLE PARKING SPACES SHALL BE CONSTRUCTED NOT TO EXCEED MAX. 2.0% CROSS SLOPE IN ALL DIRECTIONS.
  - PROPOSED GRADES TO MATCH EXISTING ELEVATIONS AT PROPERTY LINE
  - CONTRACTOR TO FIELD VERIFY ELEVATIONS AT ALL EXISTING SIDEWALK AND ROAD CONNECTION POINTS WITH ENGINEER OF RECORD BEFORE CONSTRUCTION OF ANY IMPROVEMENTS.
  - FOR EROSION CONTROL NOTES REFER TO SHEET C2.0.
  - ALL DRAINAGE PIPES SHALL BE FILTER FABRIC WRAPPED PER FDOT STANDARD PLAN #430-001.
  - CONTRACTOR TO ENSURE ADEQUATE COVER REMAINS OVER ALL EXISTING UTILITIES.
  - CONTRACTOR TO VERIFY EXISTING COVER OVER ALL UTILITIES BEFORE START OF CONSTRUCTION AND TO COORDINATE WITH THE ENGINEER OF RECORD PRIOR TO START OF CONSTRUCTION IF DESIGN DOES NOT PROVIDE 36" COVER.
  - ALL EXISTING VALVES, BOXES, MANHOLE LIDS, COVERS, AND SIMILAR APPURTENANCES MUST BE ADJUSTED ACCORDINGLY TO MATCH FINISHED GRADE.
  - ALL PAVEMENT MUST BE SOURCED FROM AN FDOT APPROVED PLANT.

STORM STRUCTURE TABLE	
STRUCTURE NAME:	DETAILS:
D-1	TYPE "D" INLET PER FDOT INDEX #425-052 TOP: 146.45 N. INV. OUT: 141.77 (18" HDPE)
D-2	TYPE "D" INLET PER FDOT INDEX #425-052 TOP: 145.97 S. INV. IN: 141.29 (18" HDPE) W. INV. OUT: 141.29 (18" HDPE)
D-3	TYPE "D" INLET PER FDOT INDEX #425-052 TOP: 146.82 E. INV. IN: 140.24 (18" HDPE) SW. INV. OUT: 140.24 (18" HDPE)
D-4	TYPE "3" INLET PER FDOT INDEX #425-020 TOP: 144.65 S. INV. OUT: 140.71 (18" RCP)



**VERTICAL DATUM:**  
 ELEVATIONS ARE REFERENCED TO  
 PLAT BENCHMARKS AS SHOWN ON  
 THE FACE OF THE PLAT OF  
 GATEWAY CROSSING REPLAT OF  
 LOTS 2 AND 3, PLAT  
 BOOK 9, PAGE 151

CALL 48 HOURS BEFORE YOU DIG  
**811**  
 IT'S THE LAW!  
 DIAL 811  
 Know what's below.  
 Call before you dig.  
 SUNSHINE STATE ONE CALL OF FLORIDA, INC.

CIRCLE K - US HWY 90 & I-75 FUEL EXPANSION

CITY OF LAKE CITY FLORIDA

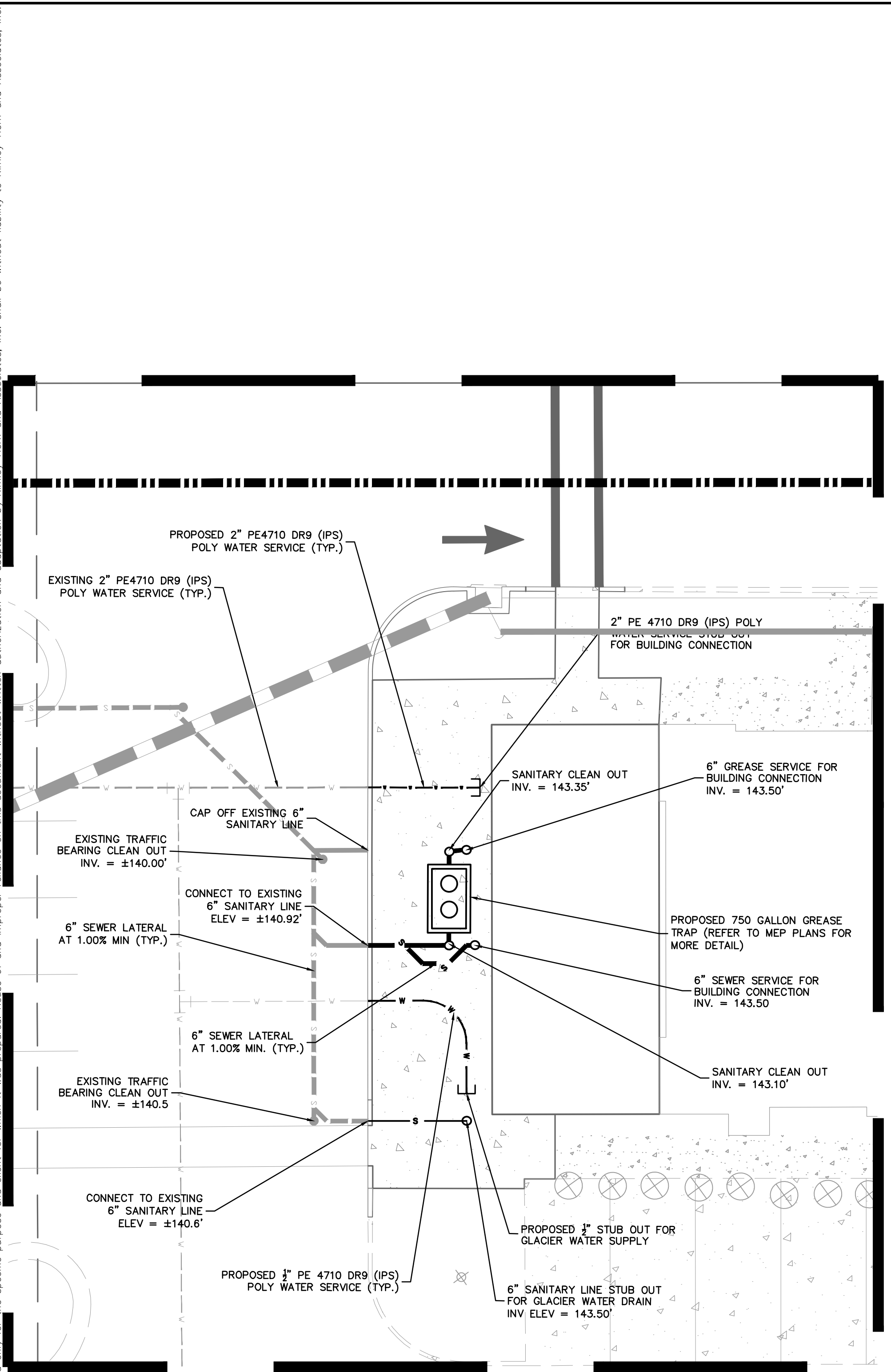
SHEET NUMBER C5.0

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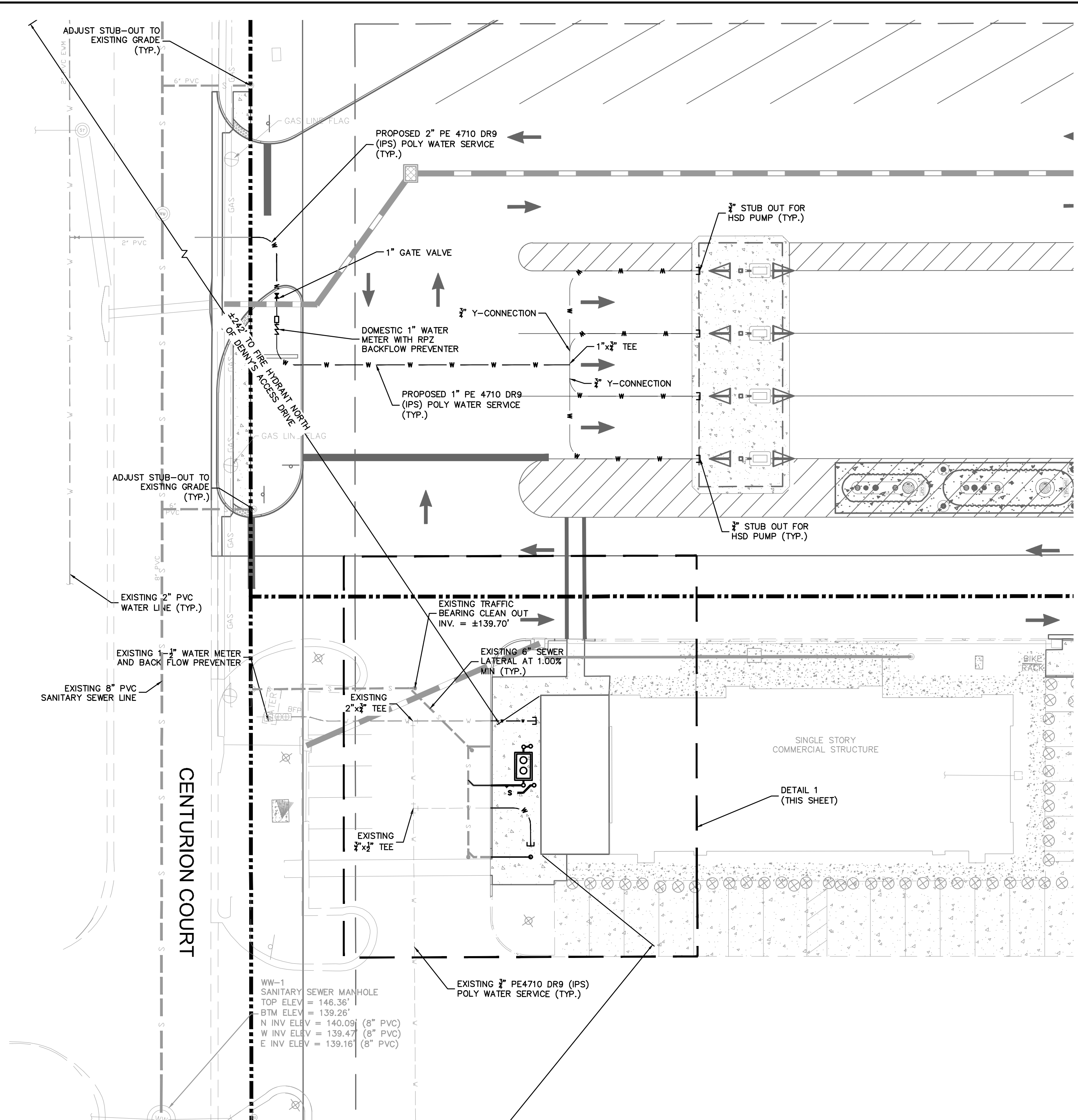
KHA PROJECT 149880040  
 DATE 05/04/2022  
 SCALE AS SHOWN  
 DESIGNED BY E.J.F.  
 DRAWN BY E.J.F.  
 CHECKED BY J.C.S. DATE 05/04/2022

LICENSED PROFESSIONAL ENGINEER  
 STATE OF FLORIDA  
 PROFESSIONAL NUMBER 120883  
 EXPIRES 12/31/2024

Plotted By: Parks, Etham - Sheet Set: CIRCLE K - US HWY 30 & I-75 High-Speed Diesel Fuel Expansion - Layout: CEG UTILITY PLAN - June 08, 2022 - 04:30:24pm - K:\ORL\_CAD\149880040-Circle K US30 & I-75 CAD\CONSTR\PlanSheets\C6.0 - UTILITIES PLAN.dwg  
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DETAIL 1  
1" = 10'



**NOTES:**

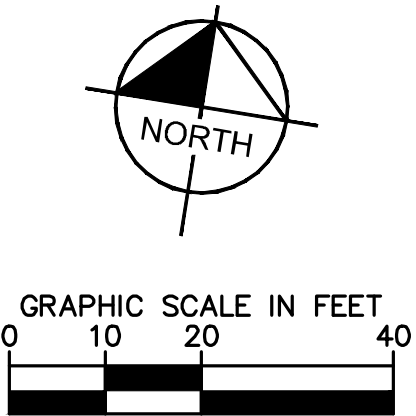
- ALL ON-SITE UTILITIES SHALL BE PRIVATELY OWNED AND MAINTAINED.
- MAINTAIN A MINIMUM OF 3-FT OF COVER OVER ALL PROPOSED WATER LINES AND 4-FT MINIMUM OF COVER FOR WASTEWATER LINES.
- REFER TO ADDITIONAL UTILITY NOTES AND DETAILS ON SHEETS C1.0 AND C7.0.
- ALL WATER MAINS, AND DOMESTIC LINES SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF LAKE CITY UTILITY STANDARDS.
- BEDDING AND BACKFILL SHALL BE INSTALLED PER CITY OF LAKE CITY. GRANULAR BACKFILL IS REQUIRED UNDER PAVEMENT AND WITHIN 5 FEET OF PAVEMENT.
- ALL SANITARY SEWER LINES SHALL BE GREEN C-900 PVC MEETING, ASTM D-3034 SDR 26.
- CONTRACTOR SHALL COORDINATE ANY DISRUPTIONS TO EXISTING UTILITY SERVICES WITH ADJACENT PROPERTY OWNERS.
- ALL ELECTRIC AND TELEPHONE EXTENSIONS INCLUDING SERVICE LINES SHALL BE CONSTRUCTED TO THE APPROPRIATE UTILITY COMPANY SPECIFICATIONS. ALL UTILITY DISCONNECTIONS SHALL BE COORDINATED WITH THE DESIGNATED UTILITY COMPANIES.
- CONTRACTOR TO CALL "SUNSHINE STATE ONE CALL OF FLORIDA" (1-800-432-4770) TO COORDINATE FIELD LOCATIONS OF EXISTING UNDERGROUND UTILITIES BEFORE ORDERING MATERIALS OR COMMENCING CONSTRUCTION. NOTIFY ENGINEER OF ANY DISCREPANCIES IMMEDIATELY.
- PRIOR TO THE CONSTRUCTION OF OR CONNECTION TO ANY STORM DRAIN, SANITARY SEWER, WATER MAIN OR ANY OTHER UTILITIES, THE CONTRACTOR SHALL EXCAVATE, VERIFY AND CALCULATE ALL POINTS OF CONNECTION AND ALL UTILITY CROSSINGS AND INFORM THE ENGINEER AND THE OWNER/ DEVELOPER OF ANY CONFLICT OR REQUIRED DEVIATIONS FROM THE PLAN. NOTIFICATION SHALL BE MADE A MINIMUM OF 72 HOURS PRIOR TO CONSTRUCTION. THE ENGINEER AND ITS CLIENTS SHALL BE HELD HARMLESS IN THE EVENT THAT THE CONTRACTOR FAILS TO MAKE SUCH NOTIFICATION. CITY OF LAKE CITY SHALL BE NOTIFIED OF ANY AND ALL CHANGES TO THE DESIGN PLANS.
- CONTRACTOR SHALL COMPLY COMPLETELY WITH THE LATEST STANDARDS OF OSHA DIRECTIVES OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURES. THE CONTRACTOR SHALL USE SUPPORT SYSTEMS, SLOPING, BENCHING AND OTHER MEANS OF PROTECTION. THIS IS TO INCLUDE, BUT NOT LIMITED TO ACCESS AND EGRESS FROM ALL EXCAVATION AND TRENCHING. CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH PERFORMANCE CRITERIA AS REQUIRED BY OSHA.
- CONTRACTOR TO AVOID DISRUPTION OF ANY ADJACENT TENANT'S TRAFFIC OPERATIONS, TO THE MAXIMUM EXTENT, DURING INSTALLATION OF UTILITIES. IF TRAFFIC IS TO BE OBSTRUCTED CONTRACTOR SHALL COORDINATE TRAFFIC CONTROL PLAN WITH THE LOCAL MUNICIPALITY.
- ALL DIMENSIONS ARE TO CENTERLINE OF PIPE OR CENTER OF MANHOLE UNLESS NOTED OTHERWISE.
- SEE PLUMBING PLANS FOR EXACT UTILITY CONNECTION LOCATIONS AT BUILDING.
- LIGHT POLES SHOWN FOR COORDINATION PURPOSES ONLY AND DO NOT REPRESENT ACTUAL SIZE. SEE SITE LIGHTING PLANS BY OTHERS FOR MORE INFORMATION.
- ELECTRIC, TELEPHONE, AND OTHER DRY UTILITIES SHALL BE PLACED WITHIN CONDUIT, MEETING PRIVATE UTILITY STANDARDS, WHEN ROUTE CROSSES PAVED DRIVES AND PARKING AREAS.
- ALL UNDERGROUND WATER MAINS AND HYDRANTS SHALL BE INSTALLED, COMPLETED AND IN SERVICE PRIOR TO ANY COMBUSTIBLES BEING BROUGHT ON-SITE.
- CONTRACTOR TO ENSURE ADEQUATE COVER REMAINS OVER ALL EXISTING UTILITIES.
- CONTRACTOR TO VERIFY EXISTING COVER OVER ALL UTILITIES BEFORE START OF CONSTRUCTION AND TO COORDINATE WITH THE ENGINEER OF RECORD PRIOR TO START OF CONSTRUCTION IF DESIGN DOES NOT PROVIDE 36" COVER.
- ALL ELECTRIC, CABLE, AND TELECOMMUNICATION UTILITIES FOR BUILDING SERVICE TO BE INSTALLED UNDERGROUND.

**LEGEND**

- PROPERTY BOUNDARY
- PROPOSED STORM PIPE
- PROPOSED SANITARY SEWER LINE
- EXISTING WATER LINE
- EXISTING SANITARY SEWER LINE
- EXISTING WATER LINE
- EXISTING STORM PIPE
- EXISTING GAS LINE
- EXISTING OVERHEAD ELECTRIC LINE
- EXISTING FORCE MAIN
- EXISTING STORM MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- ⊗ PROPOSED FIRE HYDRANT

**VERTICAL DATUM:**  
ELEVATIONS ARE REFERENCED TO PLAT BENCHMARKS AS SHOWN ON THE FACE OF THE PLAT OF GATEWAY CROSSING REPLAT OF LOTS 2 AND 3, PLAT BOOK 9, PAGE 151

CALL 48 HOURS BEFORE YOU DIG  
**811**  
IT'S THE LAW!  
DIAL 811  
Know what's below.  
Call before you dig.  
SUNSHINE STATE ONE CALL OF FLORIDA, INC.



**UTILITY PLAN**

CIRCLE K - US HWY 30 & I-75 FUEL EXPANSION

CITY OF LAKE CITY FLORIDA

SHEET NUMBER C6.0

DATE: 05/04/2022  
SCALE: AS SHOWN  
DESIGNED BY: EJJ  
DRAWN BY: EJJ  
CHECKED BY: JCS

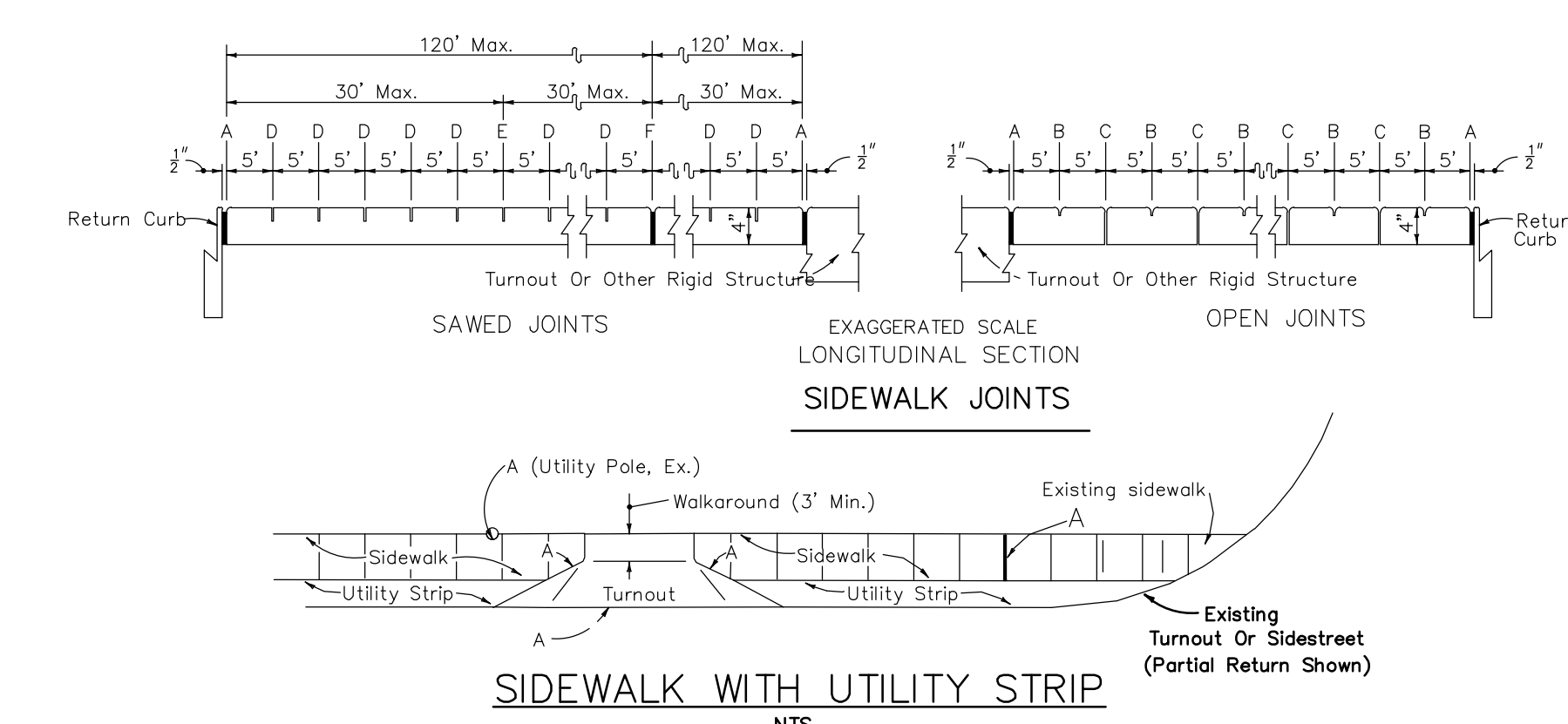
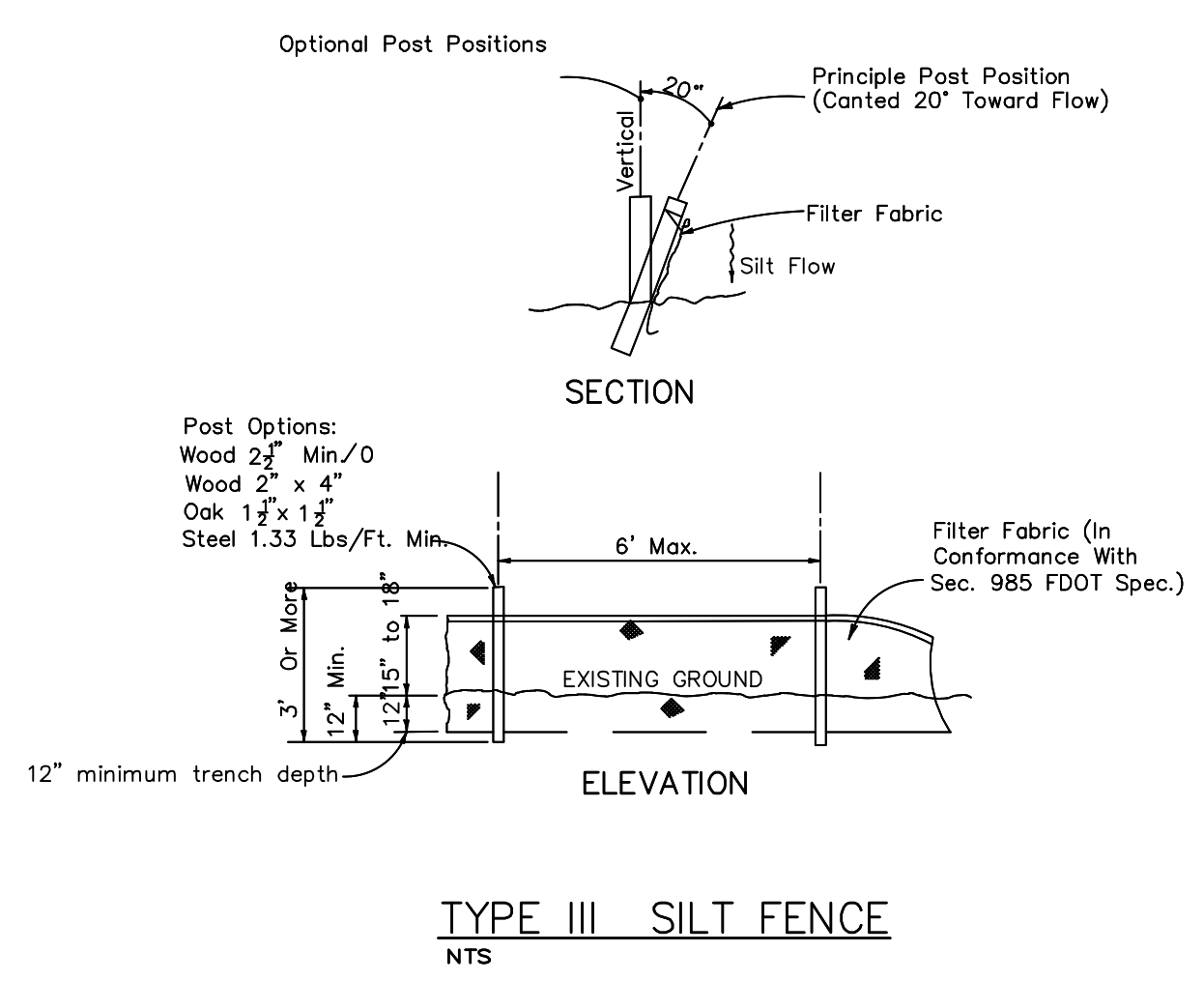
PROJECT: KHA PROJECT 149880040

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**JOINT LEGEND**

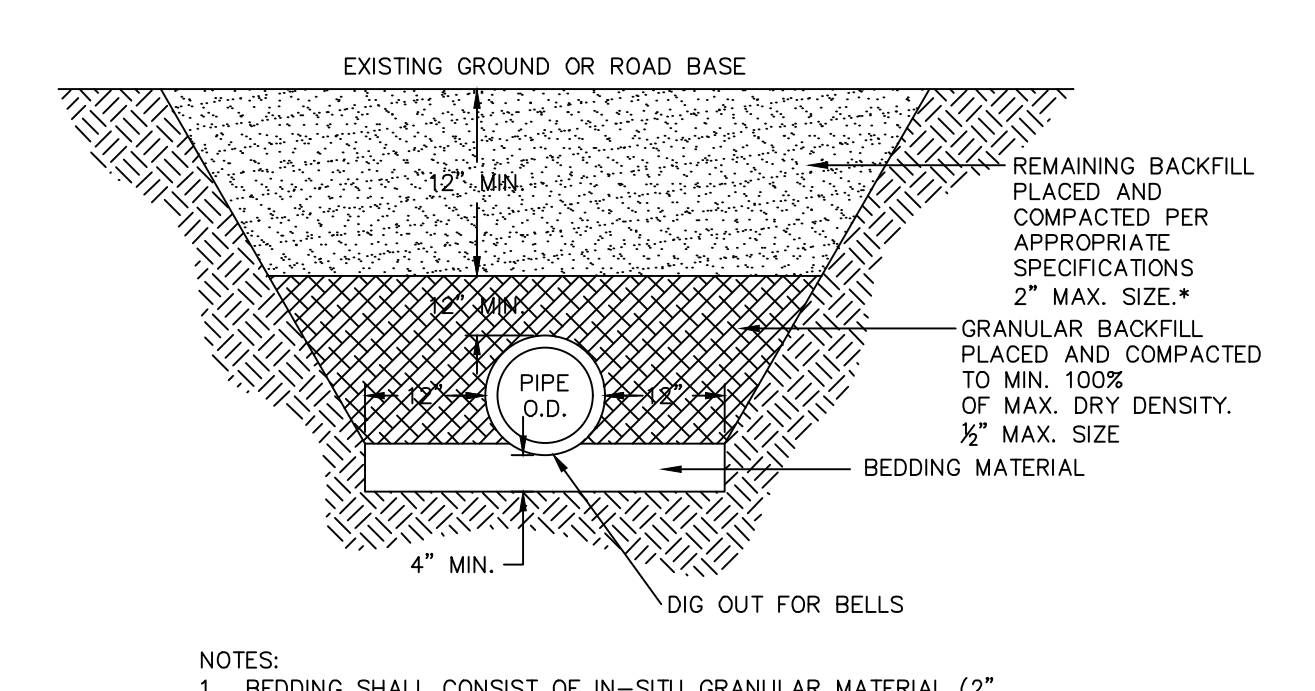
A - 1/2" EXPANSION JOINTS (PERFORMED JOINT FILLER)  
 B - 1/2" DUMMY JOINTS, TOOLED  
 C - 1/2" FORMED OPEN JOINTS  
 D - 1/8" SAW CUT JOINTS, 1/8" DEEP (96 HOUR) MAX. 5' CENTERS  
 E - 1/8" SAW CUT JOINTS, 1/8" DEEP (12 HOUR) MAX. 30' CENTERS  
 F - 1/8" EXPANSION JOINT WHEN RUN OF SIDEWALK EXCEEDS 120'  
 G - COLD JOINT WITH BOND BREAKER, TOOLED

**FOOTNOTES:**

ALL 1/2" JOINTS SHALL BE CONSTRUCTED WITH PREFORMED JOINT FILLER.  
 \* 1/8" OPEN JOINTS PLACED AT EQUAL (20' MAX.) INTERVALS FOR DRIVEWAYS OVER 20' WIDE. JOINTS IN CURB AND GUTTER TO MATCH JOINTS IN DRIVEWAYS.  
 Ø DRIVEWAYS (6" CONCRETE) SHALL BE OF A UNIFORM WIDTH (W) AS SHOWN ON SHT. P-1.

**GENERAL NOTES**

SIDEWALKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH FDOT STANDARD SPECIFICATION NO. 522 EXCEPT FOR CURB CUT RAMP RUNS WHICH SHALL BE FINISHED IN ACCORDANCE WITH FDOT INDEX 522-002.  
 BOND BREAKER MATERIAL CAN BE ANY IMPERMEABLE COATED OR SHEET MEMBRANE OR PREFORMED MATERIAL HAVING A THICKNESS OF NOT LESS THAN 6 MILS NOR MORE THAN 1/2".

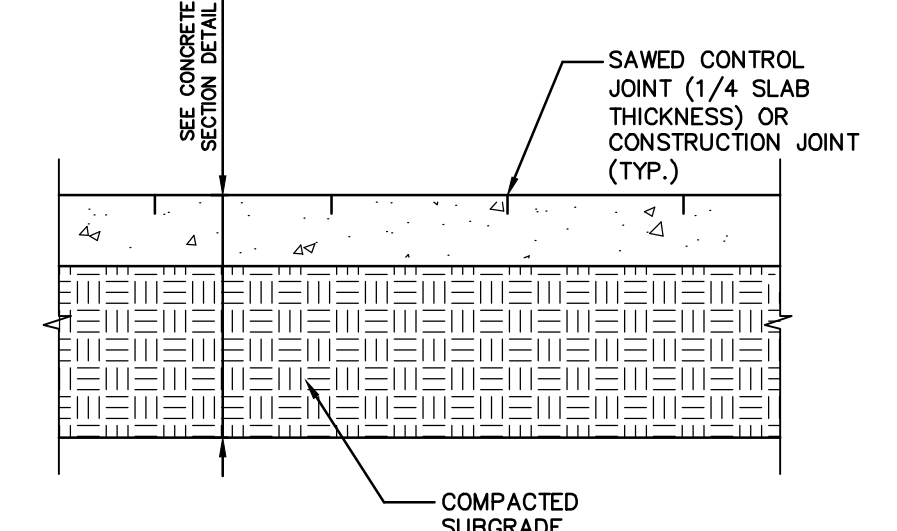
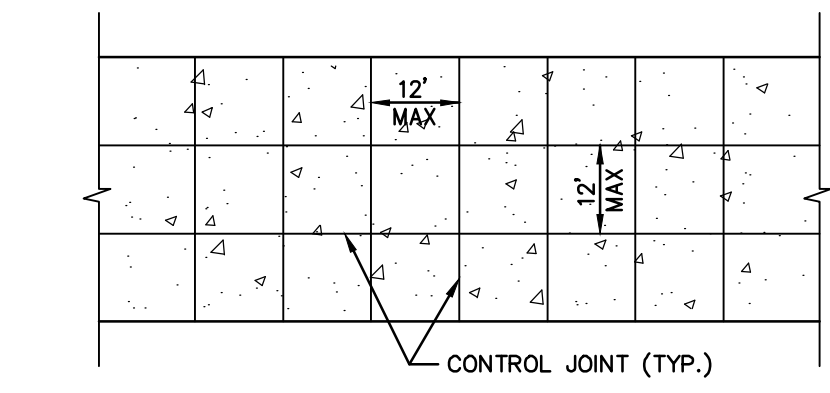


**NOTES:**

- BEDDING SHALL CONSIST OF IN-SITU GRANULAR MATERIAL (2" MAX. SIZE). UNSUITABLE IN-SITU MATERIALS SUCH AS MUCK, DEBRIS AND LARGER ROCK SHALL BE REMOVED.
- THE PIPE SHALL BE FULLY SUPPORTED FOR ITS ENTIRE LENGTH WITH APPROPRIATE COMPACTION UNDER THE PIPE HAUNCHES.
- THE PIPE SHALL BE PLACED IN A DRY TRENCH.
- BACKFILL SHALL BE FREE OF UNSUITABLE MATERIAL SUCH AS LARGER ROCK, MUCK AND DEBRIS.
- ALL WORK SHALL CONFORM TO STATE OF FLORIDA TRENCH SAFETY ACT.

\* COMPACT TO 98% OF AASHTO T-180 MAXIMUM DRY DENSITY UNDER EXISTING AND PROPOSED PAVEMENT AREAS. COMPACT TO 95% ON ALL OTHER AREAS UNLESS OTHERWISE NOTED..

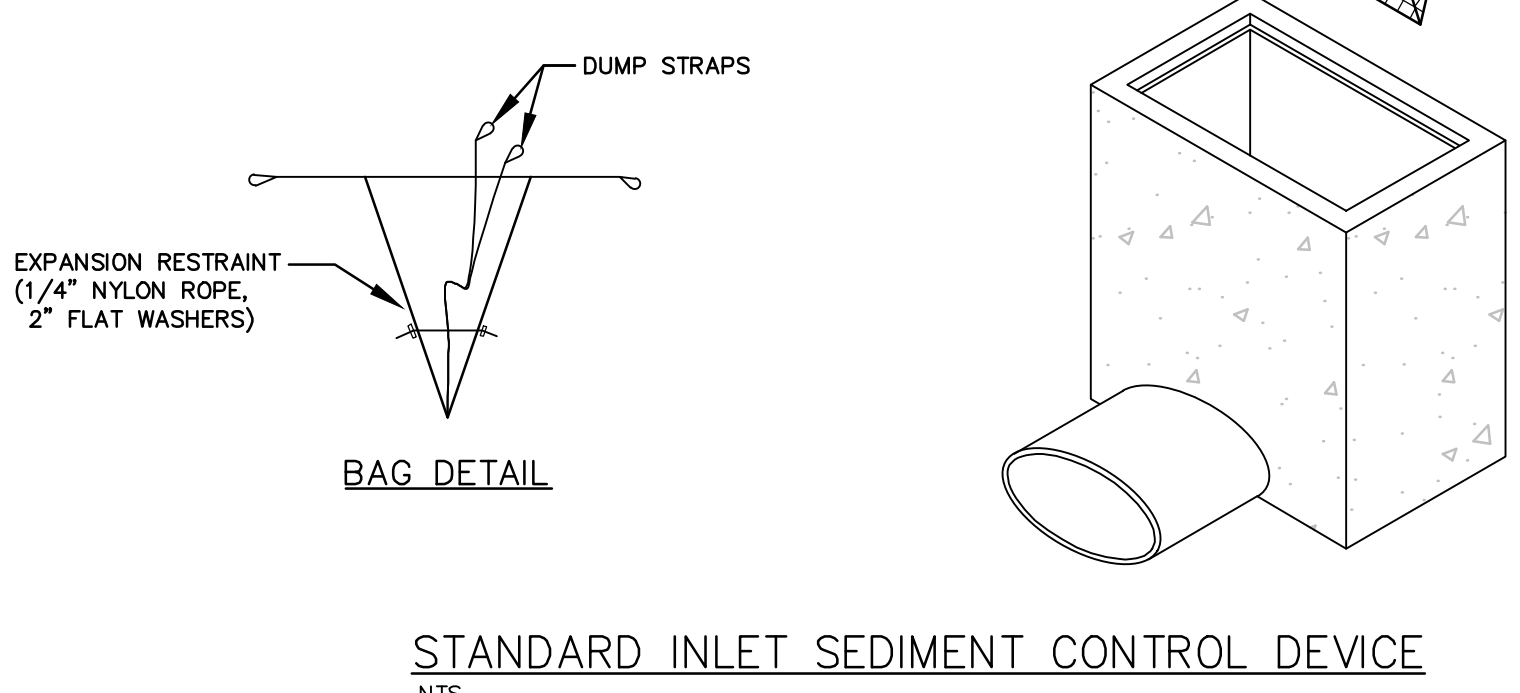
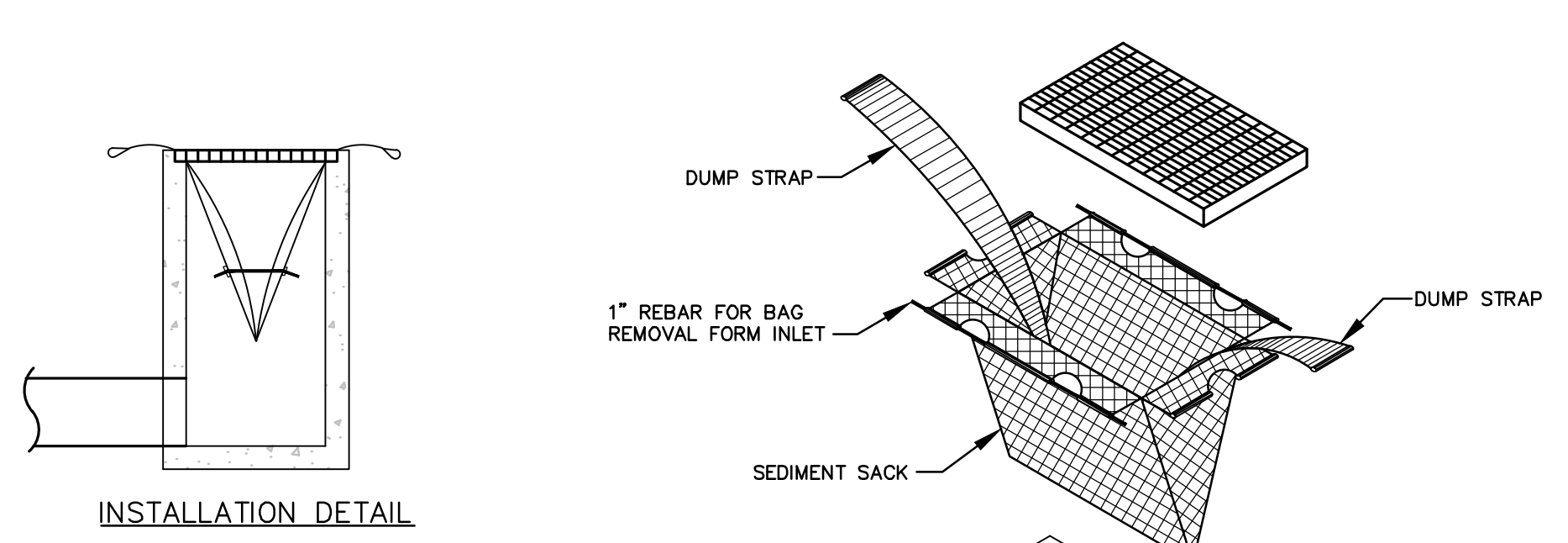
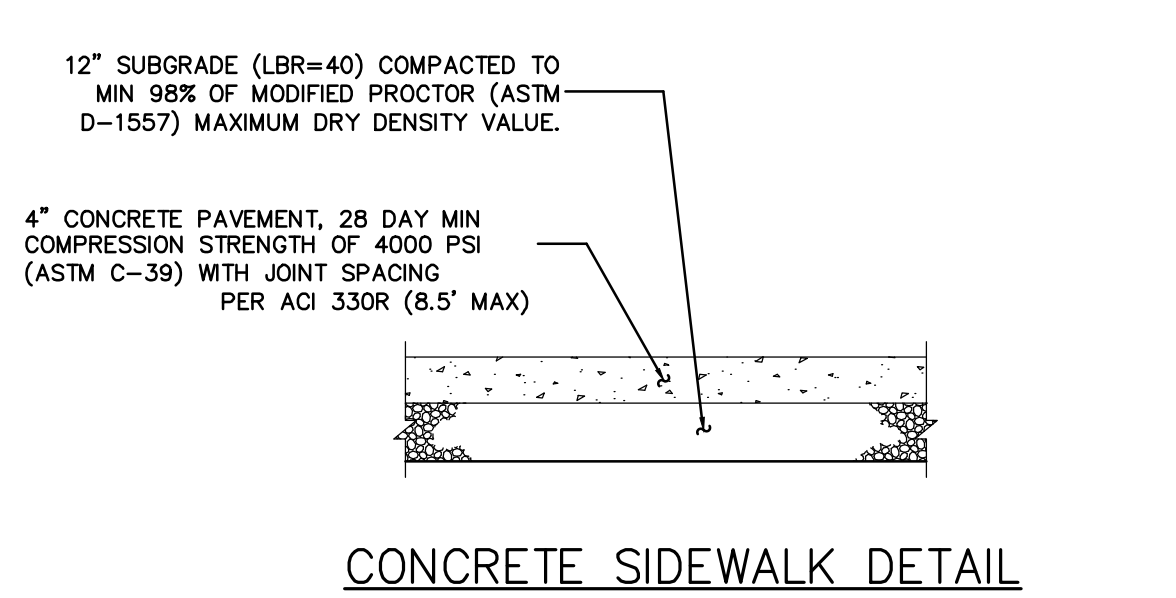
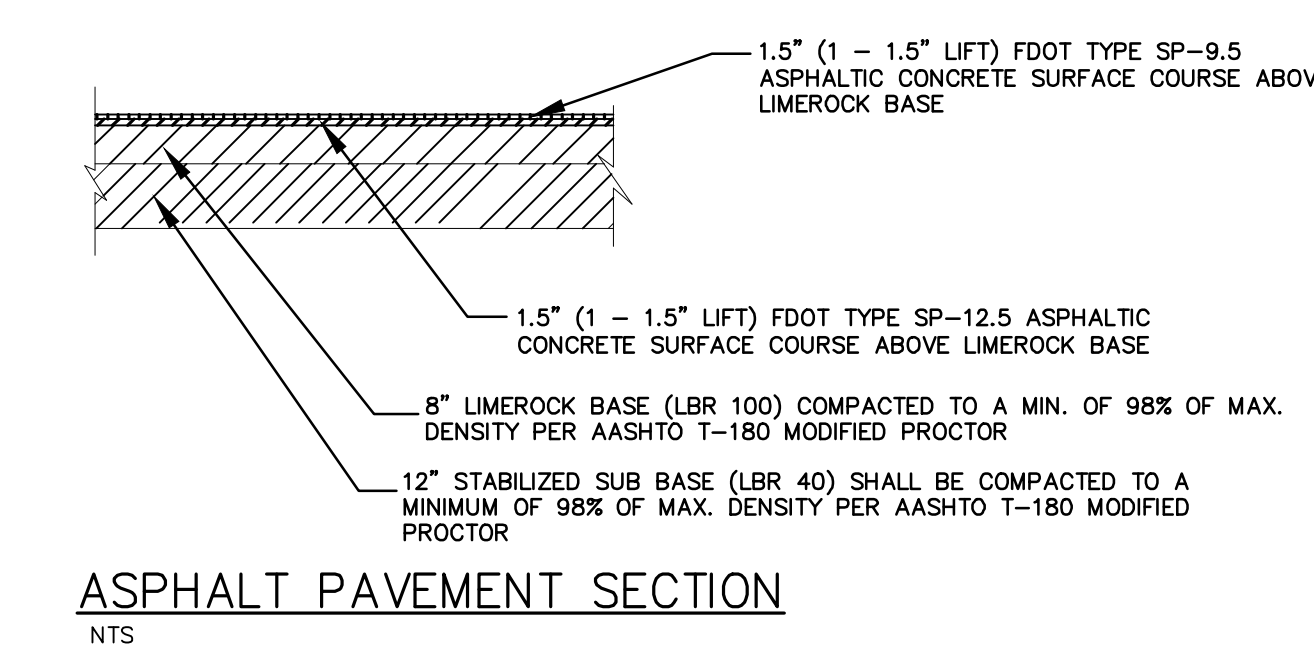
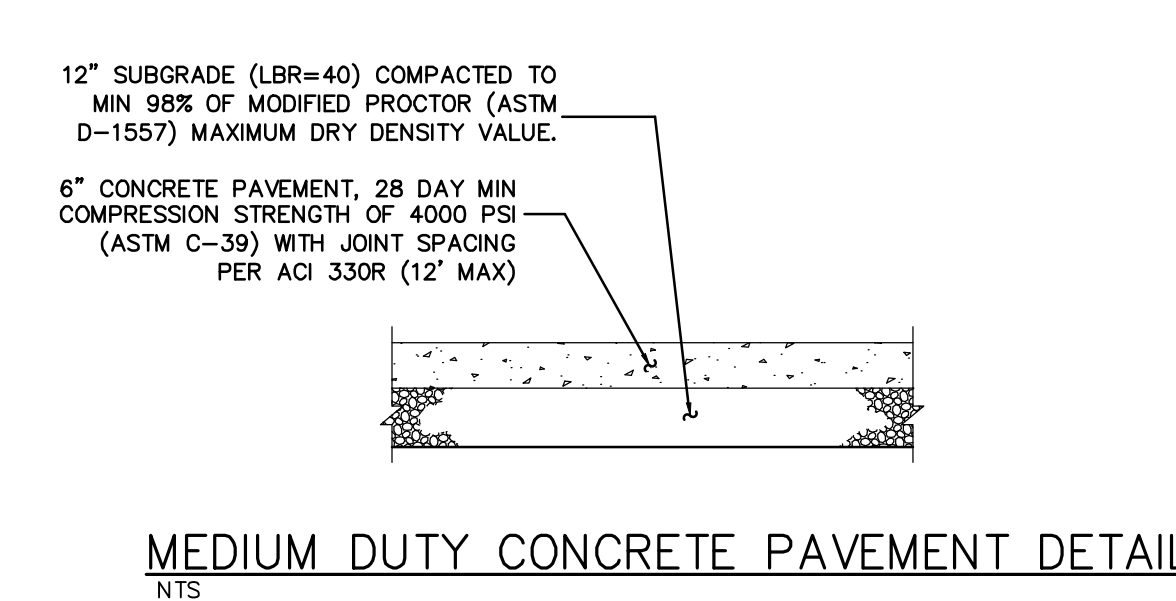
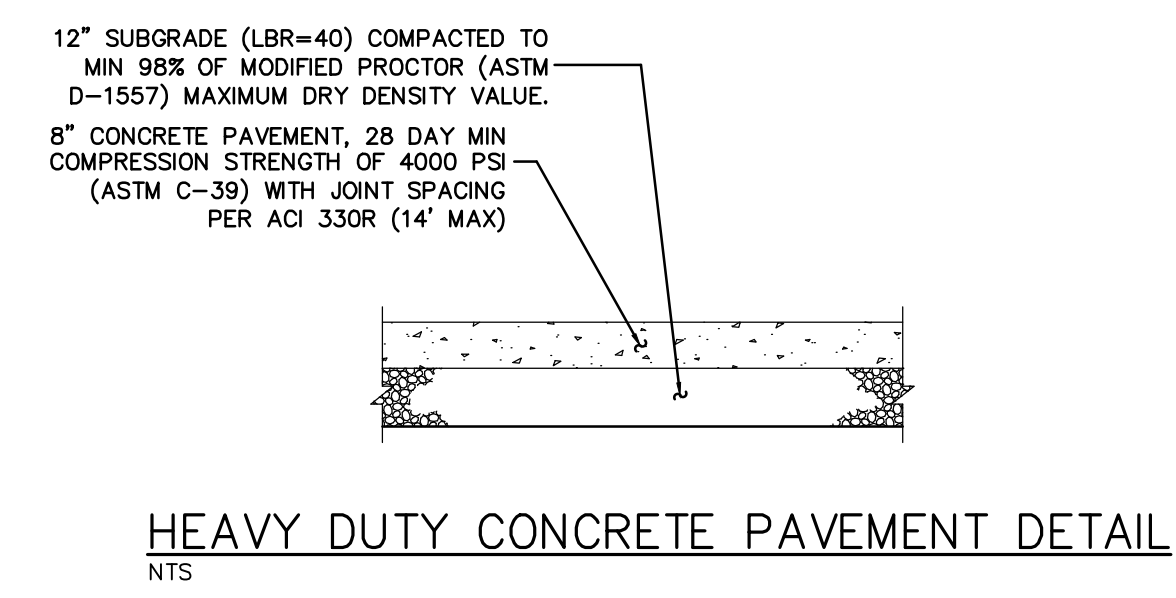
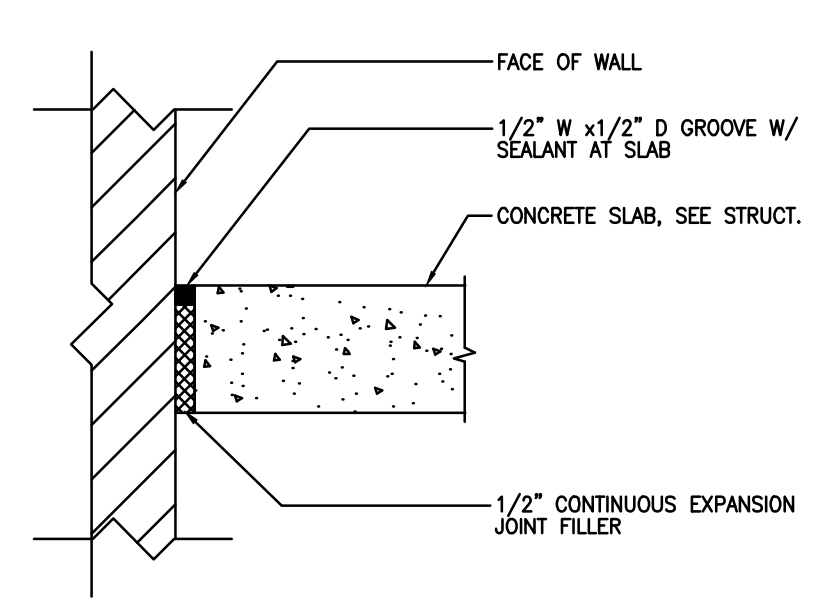
**CONCRETE SIDEWALK DETAIL**  
NTS



**NOTES:**

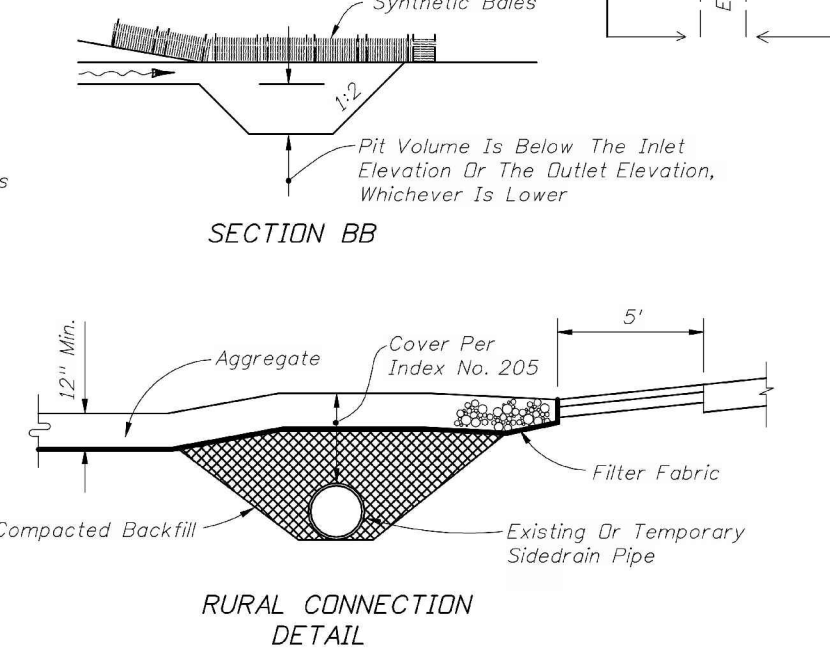
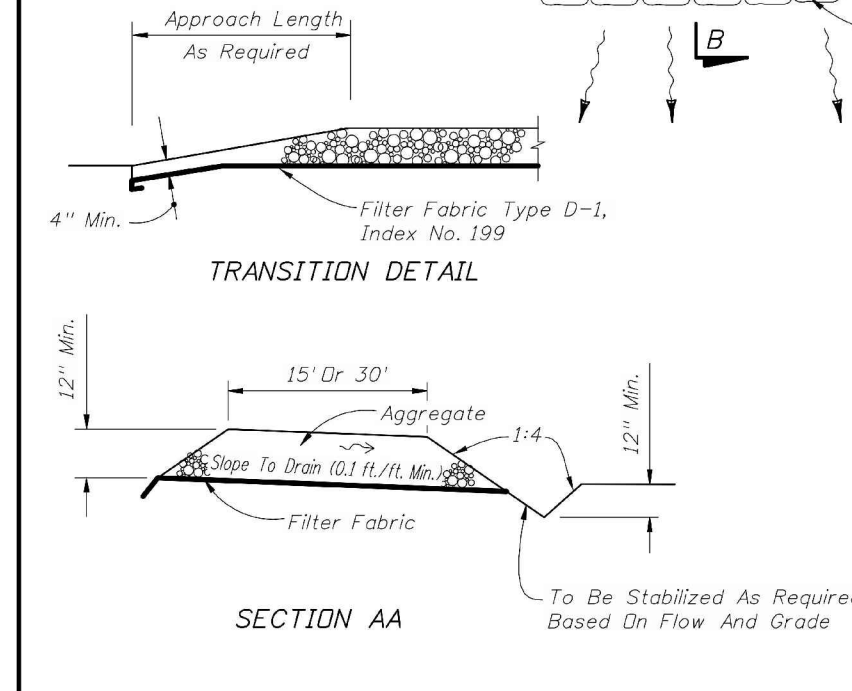
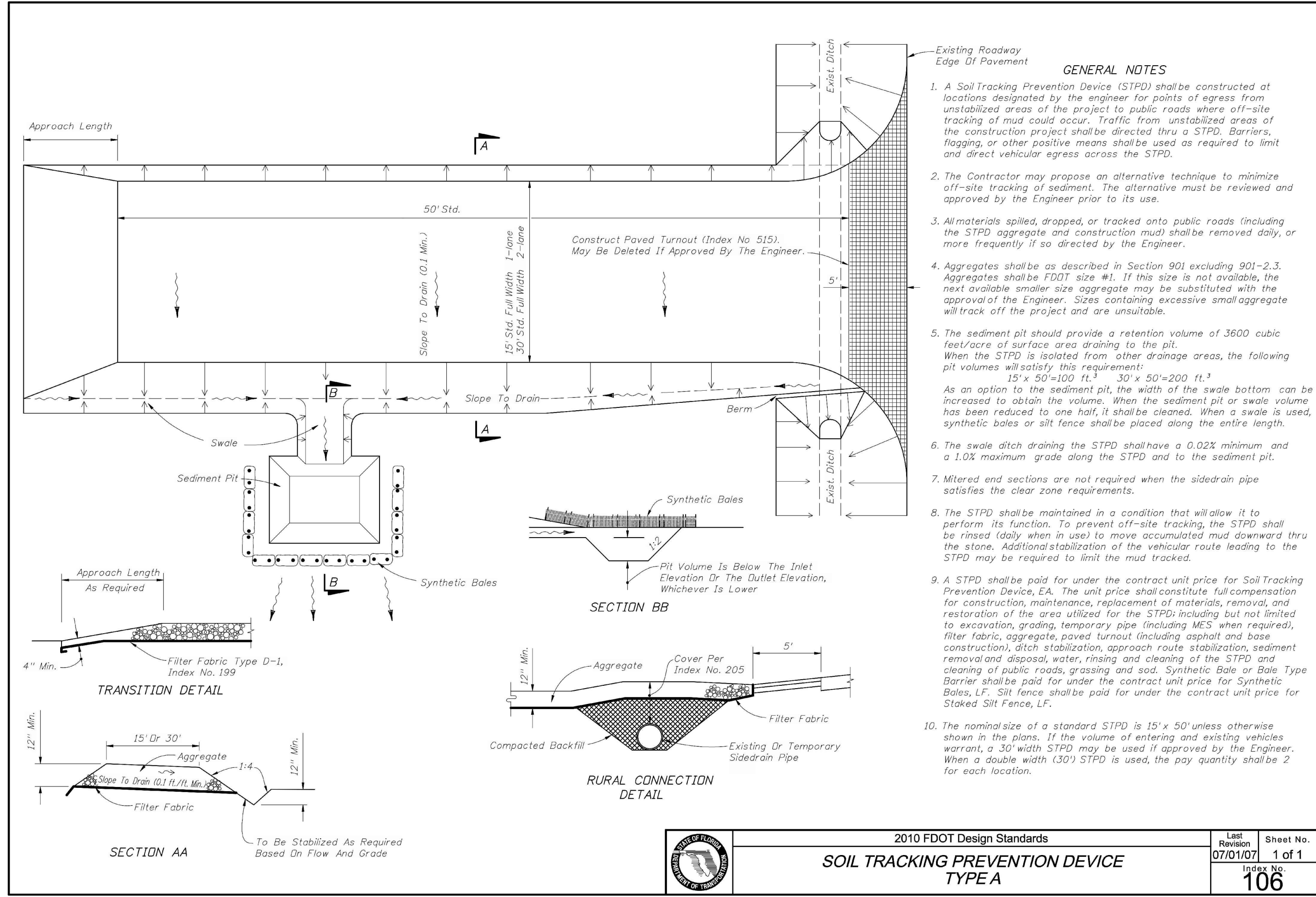
- LONGITUDINAL AND TRANSVERSE JOINTS SHALL BE SAWED AS INDICATED.
- THE JOINT SEAL MANUFACTURER'S SPECIFICATIONS SHALL BE COMPATIBLE WITH THE JOINT CONFIGURATION. PROVIDE TYPICAL DETAILS FOR CONSTRUCTION AND EXPANSION JOINTS.
- FOR ALL JOINTS THE BACKER ROD MATERIAL SHALL BE COMPATIBLE WITH THE COLD POURD SEALANT AND SLIGHTLY OVERSIZED TO PREVENT MOVEMENT DURING THE JOINT SEALANT OPERATION.
- THE WIDTH OF ALL JOINTS SHALL BE CORRECTED FOR 68 DEGREE (F).
- EXPANSION JOINTS SHALL BE USED AT ALL LOCATIONS WHERE PAVEMENT ABUTS A PERMANENT STRUCTURE.
- DOWELS AND TIE BARS FOR CONSTRUCTION JOINTS SHALL BE CAST IN PLACE.

**CONCRETE JOINTING AND REINFORCING DETAIL**  
NOT TO SCALE



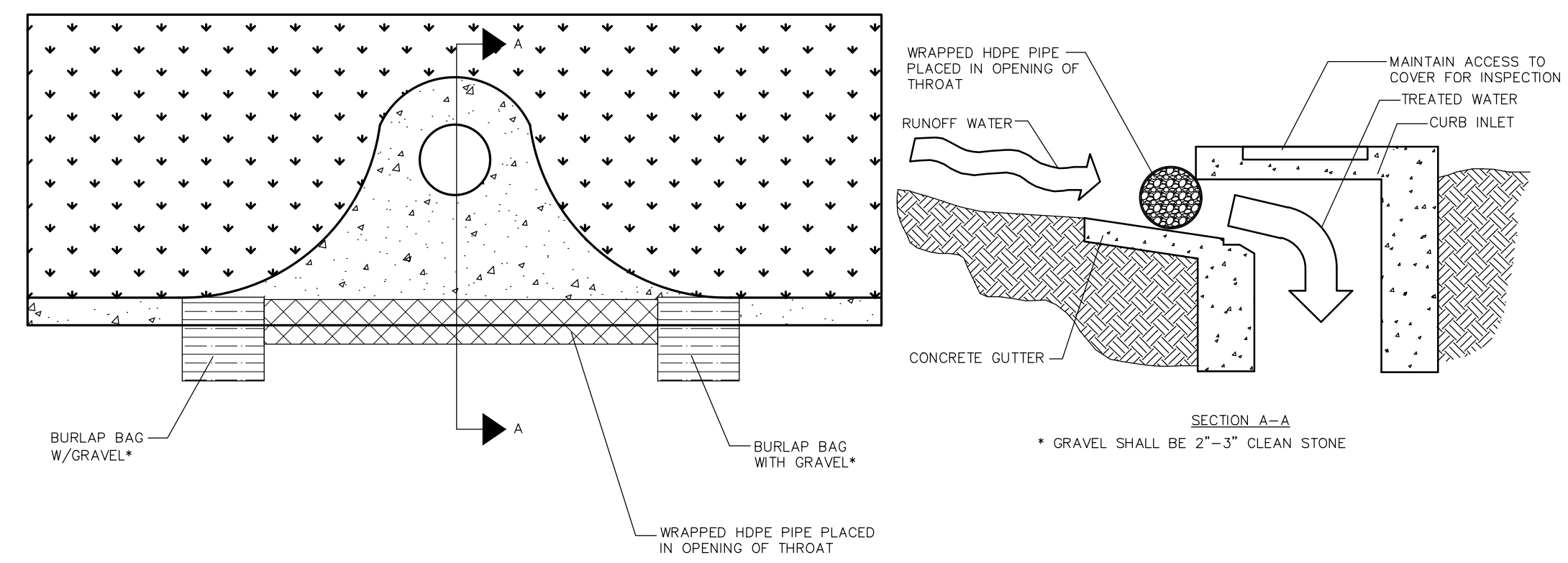
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KIMLEY-HORN		REVISIONS	
LICENSED PROFESSIONAL ENGINEER		DATE	
STATE OF FLORIDA		NO.	
KHA PROJECT 148880040		DATE 05/04/2022	
SCALE AS SHOWN		DESIGNED BY E.J.F.	
DRAWN BY E.J.F.		CHECKED BY JCS	
GENERAL CONSTRUCTION DETAILS		FLORIDA	
CIRCLE K - US HWY 90 & I-75 FUEL EXPANSION		CITY OF LAKE CITY	
SHEET NUMBER C7.0		FLORIDA	

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- GENERAL NOTES**
1. A Soil Tracking Prevention Device (STPD) shall be constructed at locations designated by the engineer for points of egress from unstabilized areas of the project to public roads where off-site tracking of mud could occur. Traffic from unstabilized areas of the construction project shall be directed thru a STPD. Barriers, flagging, or other positive means shall be used as required to limit and direct vehicular egress across the STPD.
  2. The Contractor may propose an alternative technique to minimize off-site tracking of sediment. The alternative must be reviewed and approved by the Engineer prior to its use.
  3. All materials spilled, dropped, or tracked onto public roads (including the STPD aggregate and construction mud) shall be removed daily, or more frequently if so directed by the Engineer.
  4. Aggregates shall be as described in Section 901 excluding 901-2.3. Aggregates shall be FDOT size #1. If this size is not available, the next available smaller size aggregate may be substituted with the approval of the Engineer. Sizes containing excessive small aggregate will track off the project and are unsuitable.
  5. The sediment pit should provide a retention volume of 3600 cubic feet/acre of surface area draining to the pit. When the STPD is isolated from other drainage areas, the following pit volumes will satisfy this requirement:  
 15' x 50' = 100 ft<sup>3</sup>    30' x 50' = 200 ft<sup>3</sup>  
 As an option to the sediment pit, the width of the swale bottom can be increased to obtain the volume. When the sediment pit or swale volume has been reduced to one half, it shall be cleaned. When a swale is used, synthetic bales or silt fence shall be placed along the entire length.
  6. The swale ditch draining the STPD shall have a 0.02% minimum and a 1.0% maximum grade along the STPD and to the sediment pit.
  7. Mitered end sections are not required when the sidedrain pipe satisfies the clear zone requirements.
  8. The STPD shall be maintained in a condition that will allow it to perform its function. To prevent off-site tracking, the STPD shall be rinsed (daily when in use) to move accumulated mud downward thru the stone. Additional stabilization of the vehicular route leading to the STPD may be required to limit the mud tracked.
  9. A STPD shall be paid for under the contract unit price for Soil Tracking Prevention Device, EA. The unit price shall constitute full compensation for construction, maintenance, replacement of materials, removal, and restoration of the area utilized for the STPD including but not limited to excavation, grading, temporary pipe (including MES when required), filter fabric, aggregate, paved turnout (including asphalt and base construction), ditch stabilization, approach route stabilization, sediment removal and disposal, water, rinsing and cleaning of the STPD, and cleaning of public roads, grassing and sod. Synthetic Bale or Bale Type Barrier shall be paid for under the contract unit price for Synthetic Bales, LF. Silt fence shall be paid for under the contract unit price for Staked Silt Fence, LF.
  10. The nominal size of a standard STPD is 15' x 50' unless otherwise shown in the plans. If the volume of entering and existing vehicles warrant, a 30' width STPD may be used if approved by the Engineer. When a double width (30') STPD is used, the pay quantity shall be 2 for each location.

2010 FDOT Design Standards		Sheet No.
SOIL TRACKING PREVENTION DEVICE TYPE A		1 of 1
Index No.		106

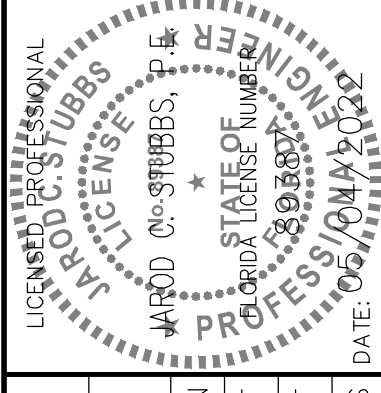


**SOCK DRAIN INLET SEDIMENT FILTER**

NTS  
 NOTE: THE PERFORATED PIPE MUST EXTEND AT LEAST 1' BEYOND THE CURB OPENING ON EACH SIDE AND BE ANCHORED WITH GRAVEL BAGS, OR SIMILAR, ON EACH END. A SPACER MUST BE PROVIDED FOR BETWEEN THE INLET OPENING AND THE PIPE TO ALLOW FOR OVERFLOW, PREVENT FLOODING AND TO PREVENT THE PIPE FROM FALLING INTO THE INLET.

NO.	REVISIONS	DATE	BY

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KHA PROJECT	149880040
DATE	05/04/2022
SCALE	AS SHOWN
DESIGNED BY	EJF
DRAWN BY	EJF
CHECKED BY	JCS

**GENERAL CONSTRUCTION DETAILS**

**CIRCLE K - US HWY 90 & I-75 FUEL EXPANSION**  
 CITY OF LAKE CITY    FLORIDA



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DESIGNED BY: EJJF  
DRAWN BY: EJJF  
CHECKED BY: JCS

DATE:

SHEET NUMBER  
**C8.0**

**CIRCLE K - US HWY  
90 & I-75 FUEL  
EXPANSION**  
CITY OF LAKE CITY FLORIDA

**CITY OF LAKE CITY  
STANDARD DETAILS**

LICENSED PROFESSIONAL

KHA PROJECT  
149880040  
DATE  
05/04/2022  
SCALE AS SHOWN  
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