

EASTSIDE/GTEC INFRASTRUCTURE

FOR:

GAINESVILLE COMMUNITY REDEVELOPMENT AGENCY

SE 6TH AVENUE EXTENSION SE 20TH STREET FROM HAWTHORNE ROAD TO SE 8TH AVENUE

GAINESVILLE, FLORIDA

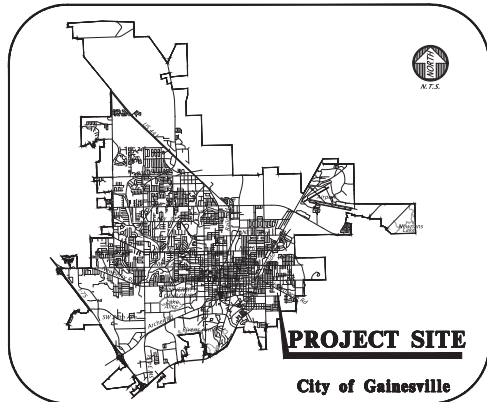
SECTION 3, TOWNSHIP 10 SOUTH, RANGE 20 EAST

SHEET INDEX	
SHEET NUMBER	DESCRIPTION
CO.00	COVER SHEET AND INDEX
CO.10	GENERAL NOTES
CO.11	LEGEND
1 - 3 OF 3	BOUNDARY AND TOPOGRAPHIC SURVEY
1 OF 1	BOUNDARY SURVEY
CO.20	STORMWATER POLLUTION PREVENTION NOTES
CO.21 - CO.23	STORMWATER POLLUTION PREVENTION PLANS
CO.30 - CO.32	DEMOLITION AND TREE PROTECTION PLANS
C1.00	MASTER SITE PLAN
C2.00	MASTER GRADING AND DRAINAGE PLAN
C2.01	MASTER GRADING AND DRAINAGE PLAN WITH AERIAL
C2.20	STORMWATER MANAGEMENT FACILITY #2 PLAN AND SECTION
C2.21	STORMWATER MANAGEMENT FACILITY #3 PLAN
C2.22	STORMWATER MANAGEMENT FACILITY #3 SECTION AND DETAILS
C2.30	CONSTRUCTION DETAILS
C3.00	MASTER UTILITY PLAN
C4.01	TYPICAL ROADWAY SECTION
C4.10 - C4.16	ROADWAY PLAN AND PROFILES
C4.20 - C4.22	SIGNAGE AND STRIPING PLAN
C5.00	SR 20 DEMOLITION PLAN
C5.01	SR 20 IMPROVEMENTS
C5.02	SR 20 IMPROVEMENTS STRIPING AND SIGNAGE PLAN
C6.00 - C6.04	ROADWAY CROSS SECTIONS
E1-E2	ELECTRICAL AND LIGHTING PLANS
E3-E4	PHOTOMETRIC PLANS
E5	STATISTICS, SCHEDULE, AND DETAILS
E6	ELECTRICAL AND LIGHTING PLANS
LS-1	LANDSCAPE DETAILS
LS-2 & LS-3	LANDSCAPE PLAN

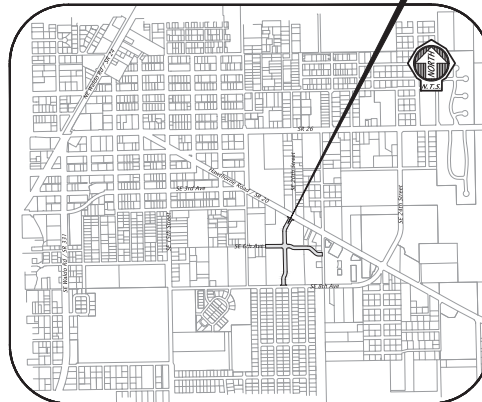
STORMWATER MANAGEMENT UTILITY DATA:			
TOTAL PROPOSED IMPERVIOUS AREA	-	109,028	S.F.
TOTAL PROPOSED SEMI-IMPERVIOUS AREA	-	0	S.F.
BASIN ID	LOWEST DISCHARGE ELEVATION (FT)	DETENTION VOL. BELOW LOWEST DISCHARGE EL. (CU)	DETENTION AREA AT LOWEST DISCHARGE EL. (SQ)
SMP-2/SMP-3* (WET DETENTION)	127.50	170,717	54,088

*SMP-2 AND 3 ARE A COMBINED WET DETENTION SYSTEM CONNECTED VIA EQUALIZER PIPE

PROJECT SITE



VICINITY MAP



LOCATION MAP

GOVERNING STANDARDS AND SPECIFICATIONS:

FOR THE 2022-23 FDOT STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION
CLICK ON THE "STANDARD PLANS" LINK AT THE FOLLOWING WEBSITE:
[HTTP://WWW.FDOT.GOV/ROADWAY/DESIGNSTANDARDS/STANDARDS.SHTM](http://www.fdot.gov/roadway/designstandards/standards.shtm)

FOR THE 2022 FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION
CLICK ON THE "STANDARD SPECIFICATIONS" LINK AT THE FOLLOWING WEBSITE:
[HTTP://WWW.FDOT.GOV/PROGRAMMANAGEMENT/IMPLEMENTED/SPECBOOKS](http://www.fdot.gov/programmanagement/implemented/specbooks)

FOR THE 2022 ENGINEERING DESIGN AND CONSTRUCTION MANUAL
CLICK ON THE "ENGINEERING DESIGN AND CONSTRUCTION MANUAL" LINK AT THE FOLLOWING WEBSITE:
[HTTPS://WWW.GAINESVILLEPUBLICWORKS.ORG/ENGINEERING-DESIGN-CONSTRUCTION-MANUAL/](https://www.gainesvillepublicworks.org/engineering-design-construction-manual/)

**BEFORE YOU DIG!
CALL SUNSHINE STATE ONE CALL OF FLORIDA**
AT LEAST TWO FULL BUSINESS DAYS BEFORE
DIGGING OR DISTURBING EARTH

Know what's below.
1-800-432-4770
Call before you dig.

GRU CERTIFICATION
THE WATER & WASTEWATER SYSTEM DESIGN IS IN ACCORDANCE WITH CURRENT GRU DESIGN STANDARDS.

DATE: _____

GRU NOTIFICATIONS

- NOTIFY GRU WASTEWATER ENGINEERING 48 HOURS PRIOR TO CONSTRUCTION AT 352-383-0430. IF PROPER NOTIFICATION IS NOT MADE, CONTRACTOR IS SUBJECT TO STOP WORK ORDERS.
- NOTIFY GRU ELECTRIC INSPECTIONS 48 HOURS PRIOR TO CONSTRUCTION AT 352-383-0430. IF PROPER NOTIFICATION IS NOT MADE, CONTRACTOR IS SUBJECT TO BE SHUT DOWN.

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED DATE 08/14/2013 BY 60322 UCBAW/STP

CHW
Civil & Environmental Engineers

N/A
UNIVERSITY OF FLORIDA
INSTITUTIONAL TECHNOLOGY CENTER
100 UNIVERSITY BLVD
GAINESVILLE, FL 32611

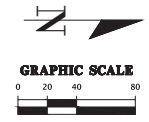
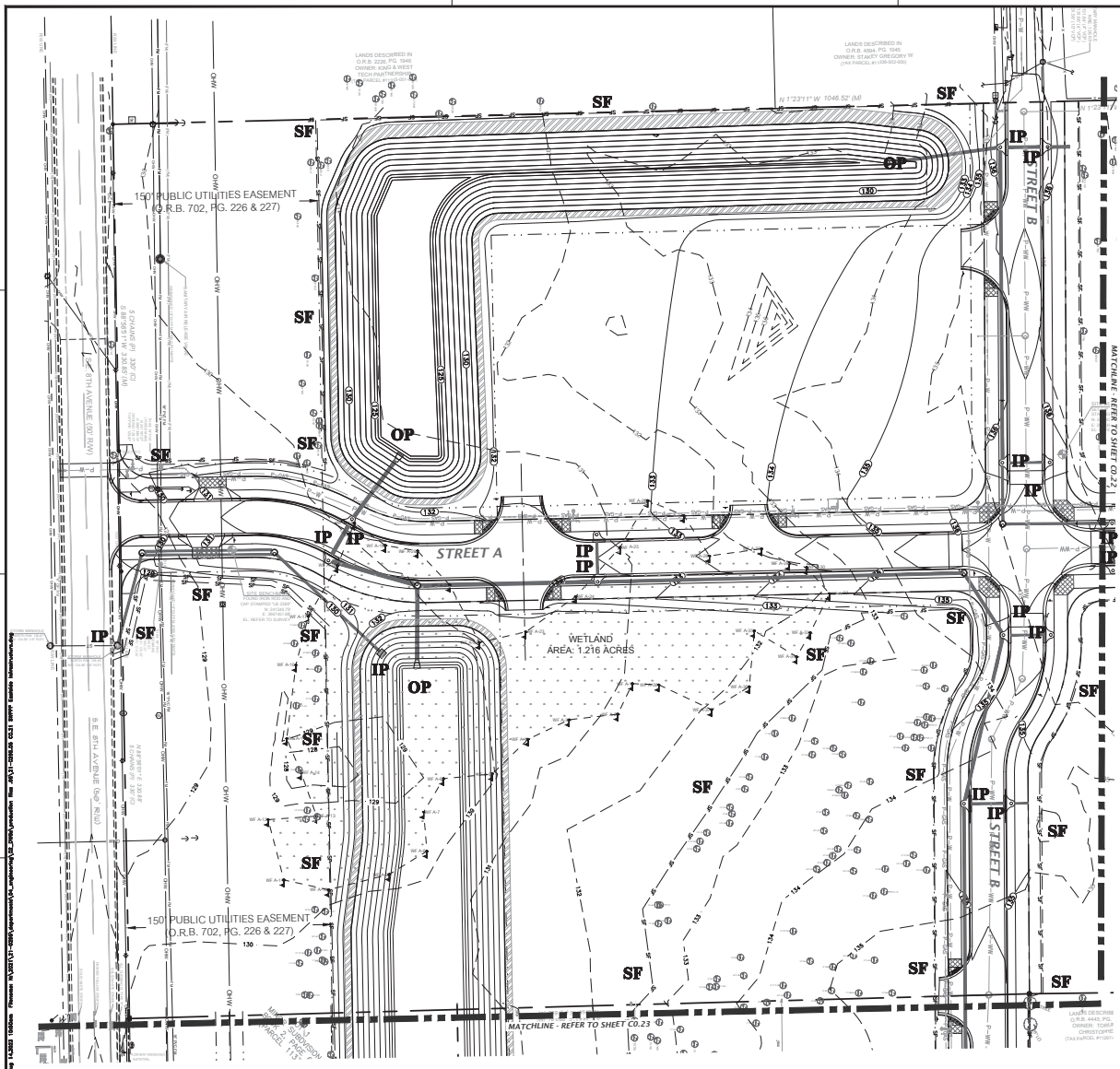
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
1900 W. UNIVERSITY AVENUE
GAINESVILLE, FL 32611

COMMUNITY REDEVELOPMENT AGENCY
PROJECT: EASTSIDE / GTEC INFRASTRUCTURE
DRAWN BY: [Name]
CHECKED BY: [Name]
DATE: 11/16/2023

UNIVERSITY OF FLORIDA
DEPARTMENT OF CIVIL ENGINEERING
116 W. UNIVERSITY AVENUE
GAINESVILLE, FL 32611

WALKER FARM OWNER
Walker Farm Owner
116 W. UNIVERSITY AVENUE
GAINESVILLE, FL 32611

FL PE No. 9420
21-0293.05
CO.00

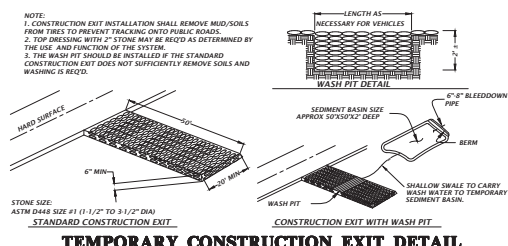


STORMWATER POLLUTION PREVENTION LEGEND

- TS = TEMPORARY SEEDING
- PS = PERMANENT SEEDING
- ML = MULCHING
- SD = SOD STABILIZATION
- SF = SILT BARRIER
- TB = TREE BARRIER
- IP = INLET PROTECTION
- OP = OUTLET PROTECTION
- CO = CONSTRUCTION ENTRANCE/EXIT

BASIN EROSION & SEDIMENTATION CONTROL

1. SILT FENCING AND/OR STAKED HAYBALES SHALL BE CONSTRUCTED WHERE SHOWN ON THE DRAWINGS PRIOR TO STARTING CONSTRUCTION.
2. ALL STORMDRAIN INLETS SHALL BE PROTECTED DURING CONSTRUCTION IN ACCORDANCE WITH FDOT STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL.
3. THE DRAINAGE BASINS SHALL BE BENCH GRADED PRIOR TO CONSTRUCTING THE LIMBEROCK BASE. THE RETENTION BASINS SHALL BE FINE GRADED AND GRASSED PRIOR TO PAVING AND SITE CLEANUP.
4. THE STORMDRAIN SYSTEM SHALL BE FLUSHED OUT TO REMOVE ALL ACCUMULATED DEBRIS AND SEDIMENT UPON COMPLETION OF CONSTRUCTION.
5. THE DRAINAGE BASIN BOTTOM SHALL BE SCRAPED CLEAN OF ALL ACCUMULATED SEDIMENT UPON COMPLETION OF CONSTRUCTION AFTER THE STORMDRAIN SYSTEM IS COMPLETELY FLUSHED OUT. THIS ACTIVITY SHALL ONLY OCCUR IN A DRY STATE.
6. ALL DISTURBED AREAS IN THE CONSTRUCTION AREA SHALL BE COMPLETELY STABILIZED BY COMPLETION OF CONSTRUCTION. GRASS SEEDING RATES AND MIXTURES SHALL BE PER SECTION 570 OF THE STANDARD SPECIFICATIONS. EVIDENCE OF GROWTH MUST BE PRESENT PRIOR TO FINAL RELEASE.
7. REFER TO THE SWPPP PLAN FOR COMPLETE EROSION CONTROL MEASURES.
8. WHERE POND TOP OF BANK IS IN CUT TO EXISTING GRADE, CONTRACTOR SHALL SOD 5 FT BEYOND TOP OF BANK FOR EROSION PROTECTION.



TEMPORARY CONSTRUCTION EXIT DETAIL

FLORIDA

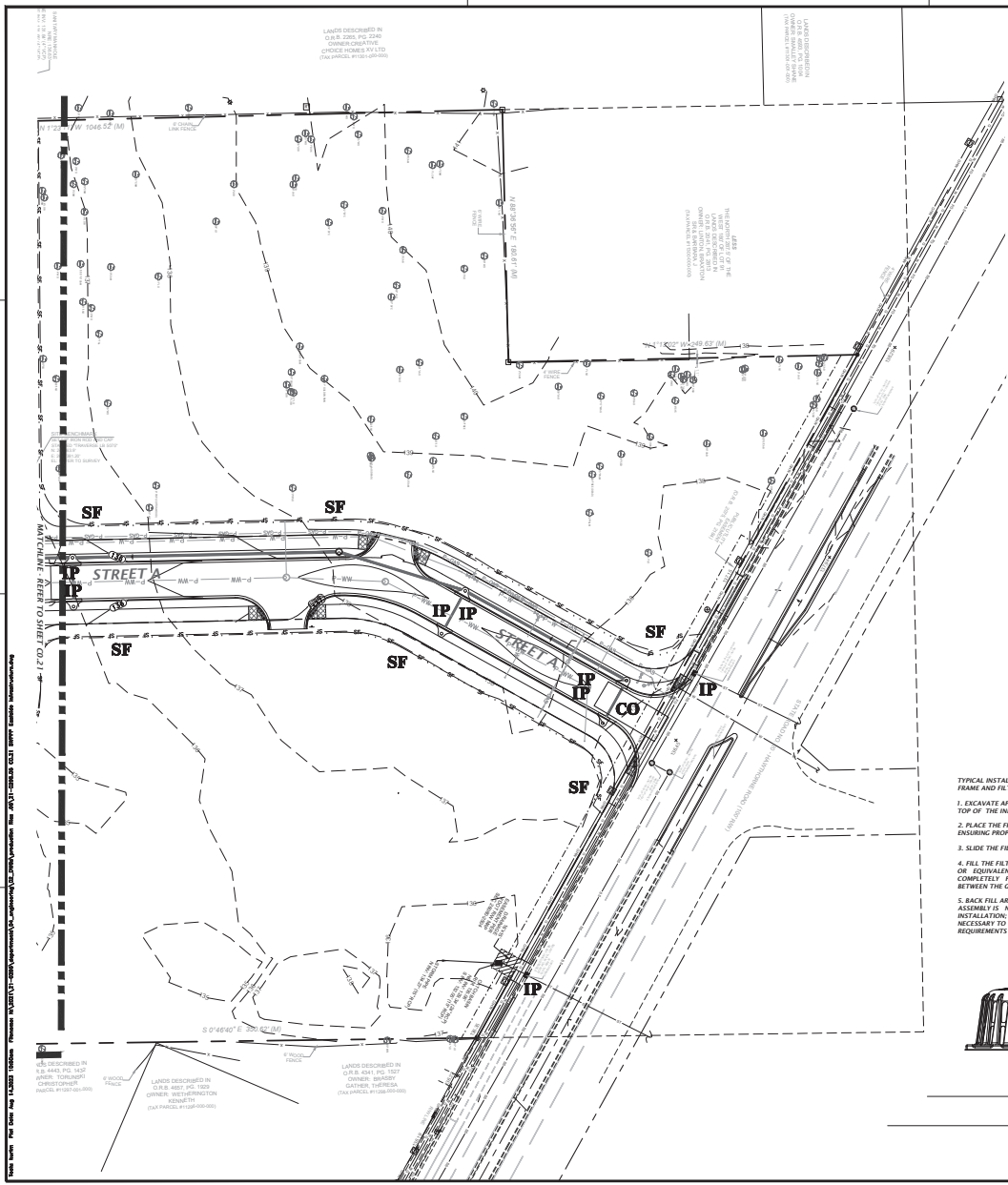
CHW
CONSULTANTS

COMMUNITY DEVELOPMENT AGENCY
PROJECT: EASTSIDE / CTEC INFRASTRUCTURE
SHEET TITLE: STORMWATER POLLUTION PREVENTION PLAN

DATE: 11/20/23
DRAWN BY: J. WALKER
CHECKED BY: J. WALKER
SCALE: AS SHOWN
PROJECT NO.: 21-0293.05

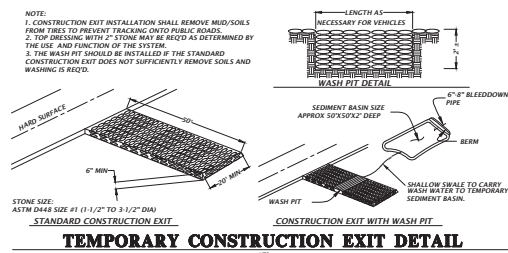
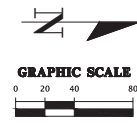
Walker Fan Owen
State of Florida, Registered Professional Engineer, License No. 94201
This document has been digitally signed and sealed by Walker Fan Owen, PE, on 11/20/23.
Printed copies of this document are not valid. The original and sealed PDF file must be used for all electronic copies.

FL PE No. 94201
CO.21



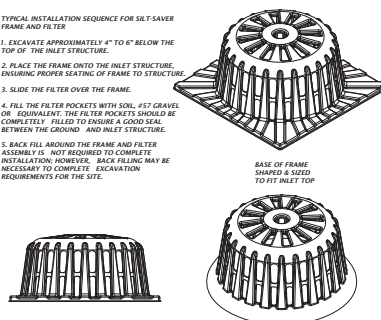
STORMWATER POLLUTION PREVENTION LEGEND

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TYPICAL INSTALLATION SEQUENCE FOR SILT SAVER FRAME AND FILTER

1. EXCAVATE APPROXIMATELY 4" TO 6" BELOW THE TOP OF THE INLET STRUCTURE.
2. PLACE THE FRAME ONTO THE INLET STRUCTURE, ENSURING PROPER SEATING OF FRAME TO STRUCTURE.
3. SLIDE THE FILTER OVER THE FRAME.
4. FILL THE FILTER POCKETS WITH SOIL #57 GRAVEL OR EQUIVALENT. THE FILTER POCKETS SHOULD BE COMPLETELY FILLED TO ENSURE A GOOD SEAL BETWEEN THE GROUND AND INLET STRUCTURE.
5. BACK FILL AROUND THE FRAME AND FILTER ASSEMBLY IS NOT REQUIRED TO COMPLETE INSTALLATION; HOWEVER, BACK FILLING MAY BE NECESSARY TO COMPLETE EXCAVATION REQUIREMENTS FOR THE SITE.



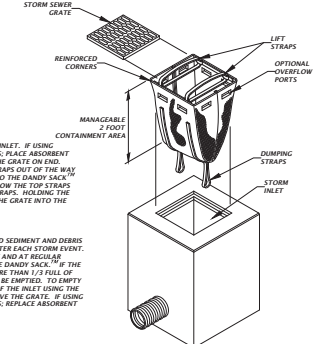
SILT-SAVER® DETAIL

INSTALLATION:

REMOVE THE GRATE FROM INLET. IF USING OPTIONAL OIL ABSORBENTS, PLACE ASSEMBLY FLOW IN UNIT. STAND THE GRATE ON END. MOVE THE TOP LIFTING STRAPS OUT OF THE WAY AND PLACE THE GRATE INTO THE 'DANDY SACK'™ SO THAT THE GRATE IS BELOW THE TOP STRAPS AND ABOVE THE LOWER STRAPS. HOLDING THE LIFTING DEVICES, INSERT THE GRATE INTO THE INLET.

MAINTENANCE:

REMOVE ALL ACCUMULATED SEDIMENT AND DEBRIS FROM VICINITY OF UNIT AFTER EACH STORM EVENT. AFTER EACH STORM EVENT AND AT REGULAR INTERVALS, LOOK INTO THE 'DANDY SACK'™. IF THE CONTAINMENT AREA IS MORE THAN 1/3 FULL OF SEDIMENT, THE UNIT MUST BE EMPLOYED. TO EMPTY UNIT, LIFT THE UNIT OUT OF THE INLET USING THE LIFTING STRAPS AND REMOVE THE GRATE. IF USING OPTIONAL OIL ABSORBENTS, REPLACE ABSORBENT WHEN NEAR SATURATION.



DANDY SACK™ DETAIL

INLET PROTECTION OPTIONS DETAIL

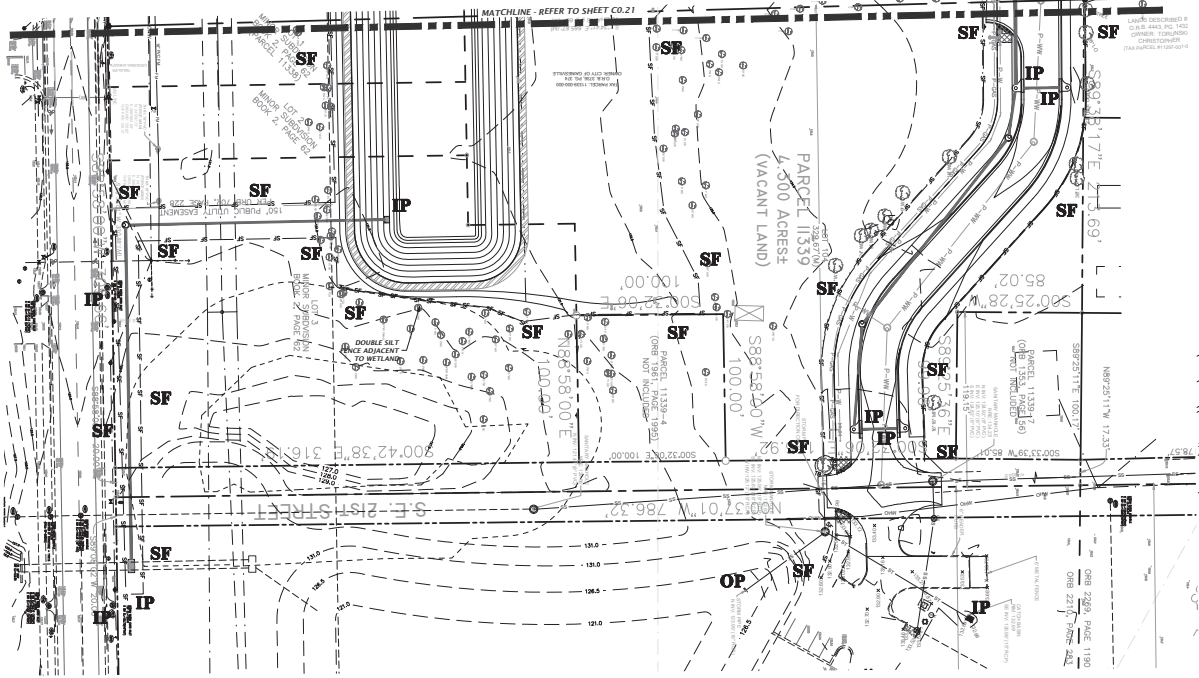
CHW
 CONSULTING ENGINEERS
 1000 WEST 10TH AVENUE, SUITE 100
 DENVER, COLORADO 80202
 PHONE: (303) 733-1111
 FAX: (303) 733-1112
 WWW.CHWENGINEERS.COM

PROJECT: STORMWATER POLLUTION PREVENTION PLAN
 SHEET: 21-0293.05
 DATE: 11/2023

DESIGNED BY: WALKER FARM CHEN
 CHECKED BY: WALKER FARM CHEN
 DRAWN BY: WALKER FARM CHEN
 DATE: 11/2023

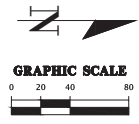
UNLESS OTHERWISE NOTED, ALL DIMENSIONS ARE IN FEET AND INCHES. DIMENSIONS IN PARENTHESES ARE ALTERNATE DIMENSIONS. DIMENSIONS IN FEET AND INCHES SHALL BE CONSIDERED TO TAKE PRECEDENCE OVER DIMENSIONS IN METERS. DIMENSIONS IN METERS SHALL BE CONSIDERED TO TAKE PRECEDENCE OVER DIMENSIONS IN FEET AND INCHES.

FL PE No. 94201
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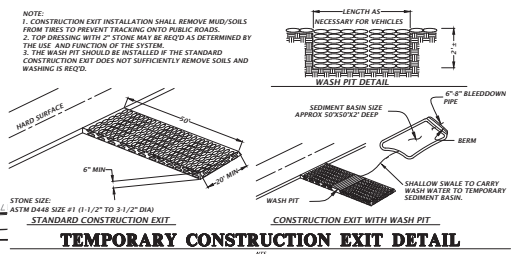


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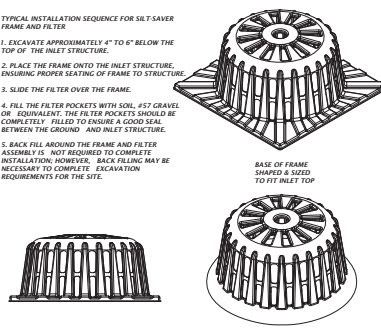


NOTE:
 1. CONSTRUCTION EXIT INSTALLATION SHALL REMOVE MUD/SOILS FROM TIRES TO PREVENT TRACKING ONTO PUBLIC ROADS.
 2. TOP DRESSING WITH 2" STONE MAY BE REQ'D AS DETERMINED BY THE USE AND FUNCTION OF THE SYSTEM.
 3. THE WASH PIT SHOULD BE INSTALLED IF THE STANDARD CONSTRUCTION EXIT DOES NOT SUFFICIENTLY REMOVE SOILS AND WASHING IS REQ'D.

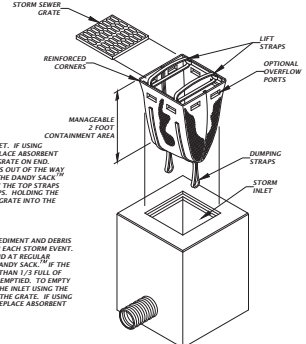


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SILT SAVER® DETAIL



DANDY SACK™ DETAIL

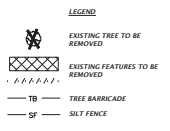
INLET PROTECTION OPTIONS DETAIL

CHW
 CONSULTING ENGINEERS
 1100 S.W. 15th Street, Suite 100
 Ft. Lauderdale, FL 33304
 PHONE: (954) 572-1100
 FAX: (954) 572-1101
 WWW: www.chw.com

PROJECT: STORMWATER POLLUTION PREVENTION PLAN
 DATE: 2/10/2015

DESIGNED BY: WALKER FARM OVEN
 DRAWN BY: WALKER FARM OVEN
 CHECKED BY: WALKER FARM OVEN
 APPROVED BY: WALKER FARM OVEN

FL PE No. 94201
CO.23



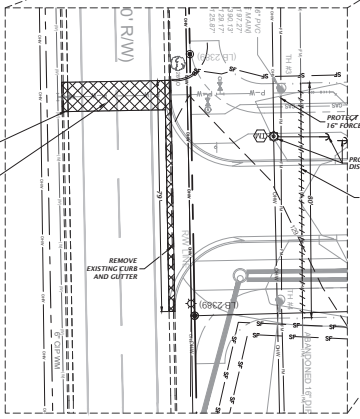
REFER TO SHEET C1.00 FOR COORDINATE REFERENCE LOCATIONS.

NOTES:

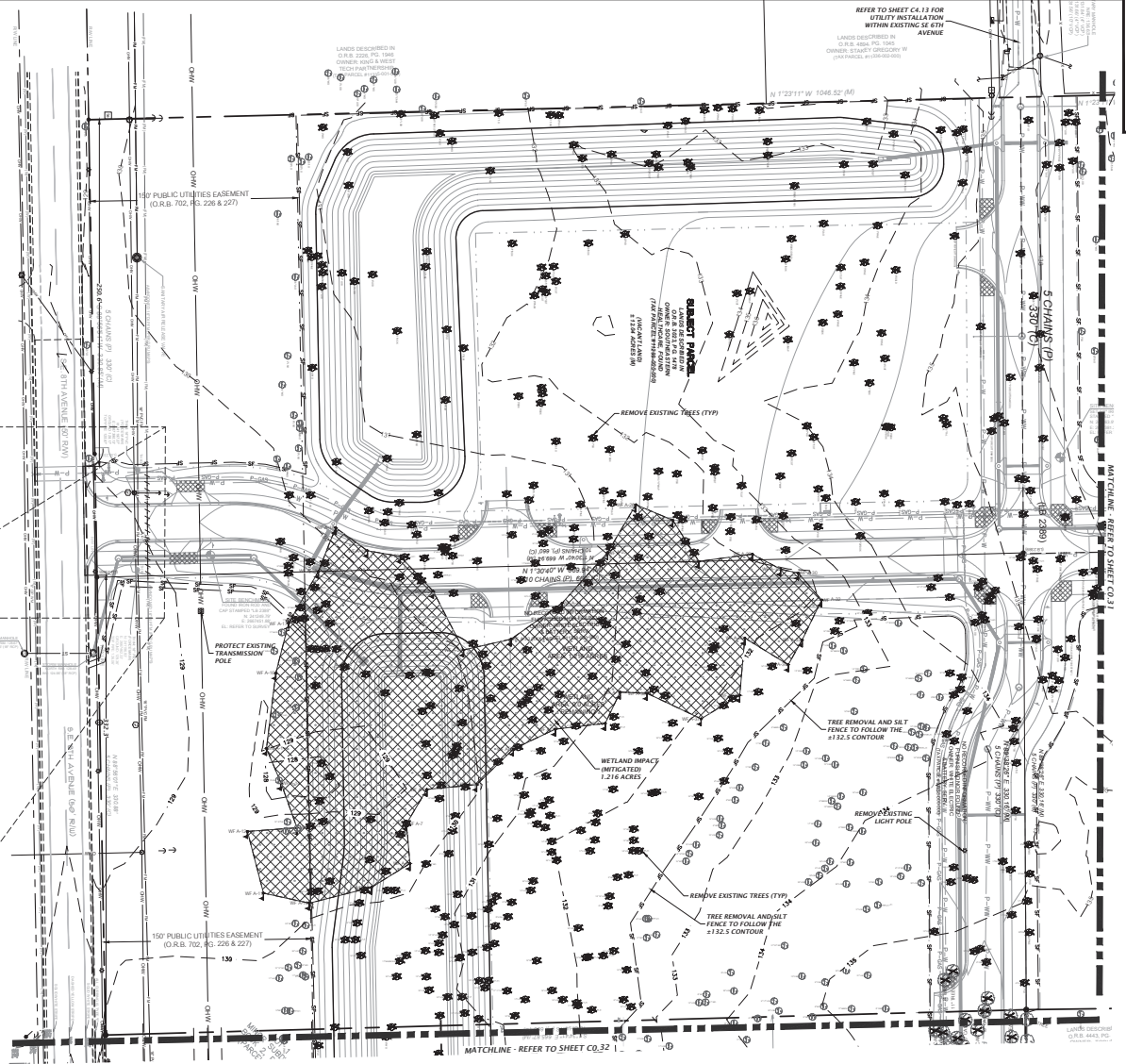
1. CONTRACTOR SHALL HAVE ALL SILT FENCE & TREE BARRICADES INSTALLED PRIOR TO ANY SITE WORK.
2. CONTRACTOR SHALL REPAIR/RESTORE ANY DISTURBED AREAS TO EXISTING OR BETTER CONDITION.
3. CONTRACTOR TO COORDINATE WITH DOH OR FDEP FOR PROPER REMOVAL AND DISPOSAL OF ANY EX. ONSITE SEPTIC SYSTEMS OR WELL SYSTEMS.
4. CONTRACTOR TO USE EXTREME CAUTION WHEN WORKING AROUND EXISTING ABOVE AND UNDERGROUND UTILITIES.
5. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH UTILITY COMPANY AS NEEDED TO SUPPORT POLES DURING CONSTRUCTION.

GRU GAS NOTES:

1. PLEASE CONTACT WESLEY LESTER, G.R.U. GAS OPERATIONS SUPERVISOR, AT PH.#: (52) 538-2570, 7 DAYS PRIOR TO THE START OF THE PROJECT.
2. PLEASE CONTACT WESLEY LESTER, G.R.U. GAS OPERATIONS SUPERVISOR, AT PH.# (52) 538-2570, 72 HOURS PRIOR TO DIGGING.



DEMO DETAIL
1" = 20'



PROJECT: WALKER FAN OWEN
LOCATION: 101 PUBLIC UTILITIES EASEMENT (O.R.B. 702, 65, 226 & 227)
DATE: 11/20/23

SCALE: 1" = 20'
DATE: 11/20/23

PROJECT: WALKER FAN OWEN
LOCATION: 101 PUBLIC UTILITIES EASEMENT (O.R.B. 702, 65, 226 & 227)
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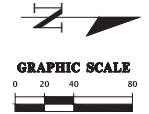
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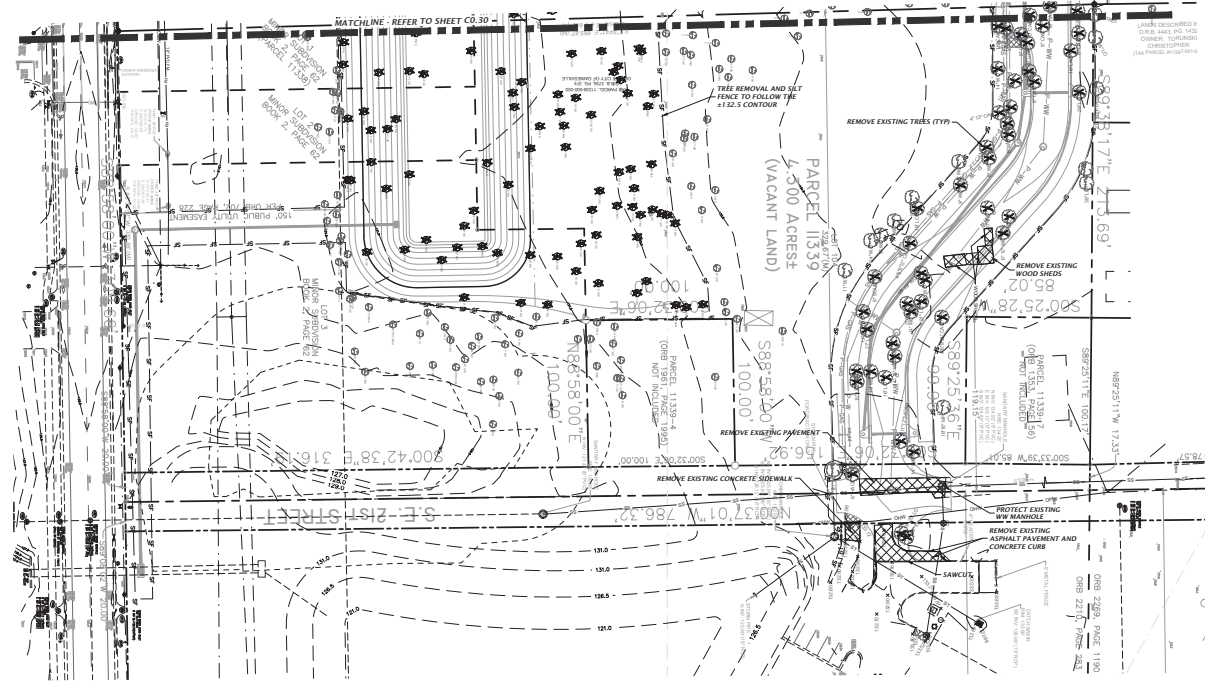


REFER TO SHEET C1.00 FOR COORDINATE REFERENCE LOCATIONS.

- LEGEND**
- EXISTING TREE TO BE REMOVED
 - EXISTING FEATURES TO BE REMOVED
 - TREE BARRICADE
 - SILT FENCE

- NOTES:**
1. CONTRACTOR SHALL HAVE ALL SILT FENCE & TREE BARRICADES INSTALLED PRIOR TO ANY SITE WORK.
 2. CONTRACTOR SHALL REPAIR/RESTORE ANY DISTURBED AREAS TO EXISTING OR BETTER CONDITION.
 3. CONTRACTOR TO COORDINATE WITH DOW OR FDEP FOR PROPER REMOVAL AND DISPOSAL OF ANY EX. ONSITE SEPTIC SYSTEMS OR WELL SYSTEMS.
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 2. PLEASE CONTACT WESLEY LESTER, G.R.U. GAS OPERATIONS SUPERVISOR, AT PH.#: (352) 538-2570, 72 HOURS PRIOR TO DIGGING.



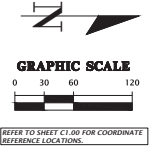
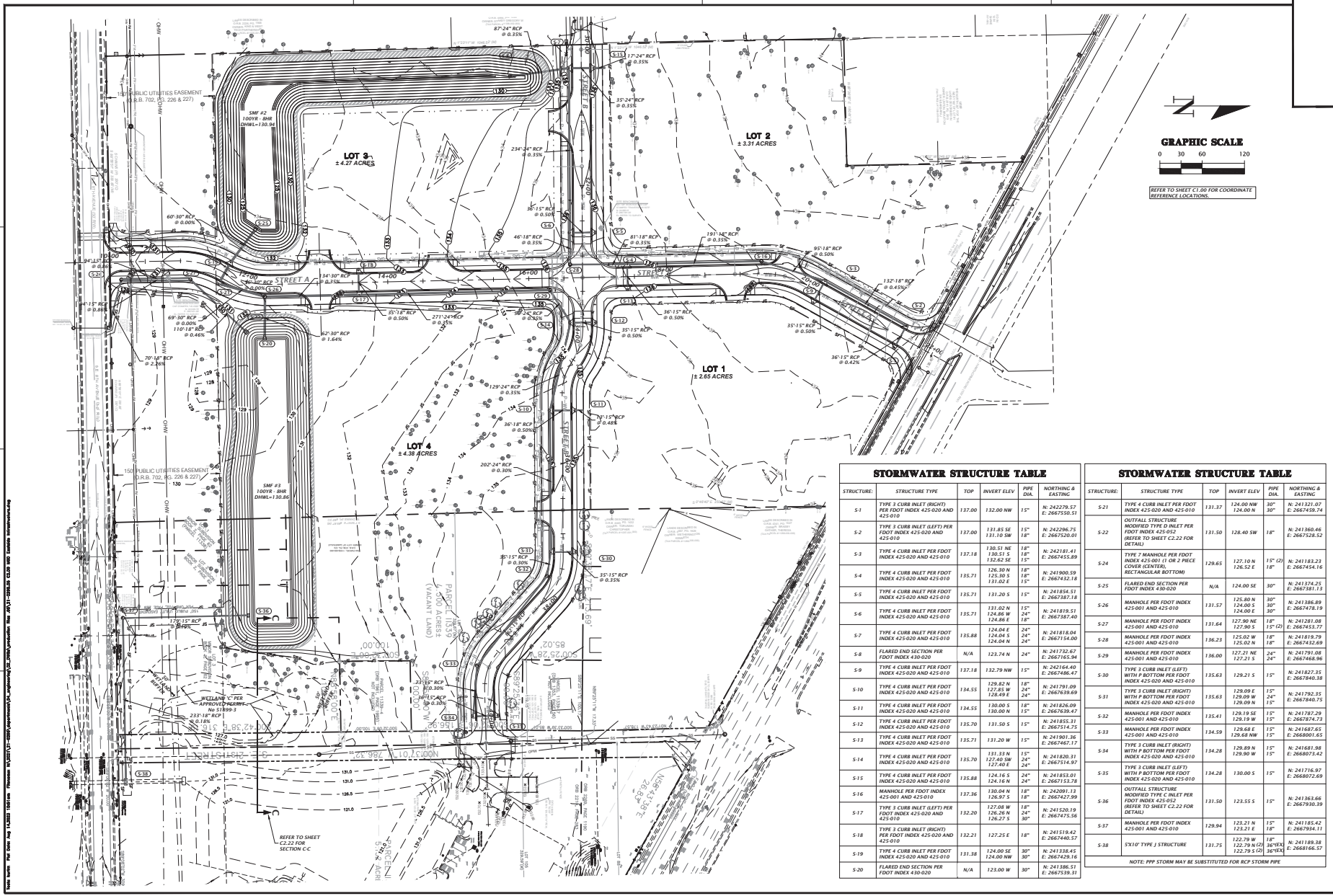
PROJECT: **WALKER FAIR OVEN**
 LOCATION: **11339 PARCEL, 500 ACRES, PARCEL 11339**

DATE: **08/25/2021**
 DRAWN BY: **WALKER FAIR OVEN**
 CHECKED BY: **WALKER FAIR OVEN**
 PROJECT NO.: **21-0293.05**

COMMUNITY DEVELOPMENT AGENCY: **WALKER FAIR OVEN**
 PROJECT: **WALKER FAIR OVEN**
 DRAWING NO.: **21-0293.05**

WALKER FAIR OVEN
 WALKER FAIR OVEN
 ENGINEER LICENSE NO. 94201

FL PE No. 94201
C0.32



STORMWATER STRUCTURE TABLE

STRUCTURE	STRUCTURE TYPE	TOP	INVERT ELEV	PIPE DIA.	NORTHING & EASTING
S-1	TYPE 3 CURB INLET (RIGHT) PER FOOT INDEX 425-020 AND 425-010	137.00	132.00 NW	15"	N: 242279.57 E: 2667530.51
S-2	TYPE 3 CURB INLET (LEFT) PER FOOT INDEX 425-020 AND 425-010	137.00	131.85 SE 131.10 SW	15"	N: 242296.75 E: 2667520.01
S-3	TYPE 4 CURB INLET PER FOOT INDEX 425-020 AND 425-010	137.18	136.51 NE 135.93 S 132.62 SE	18"	N: 242181.41 E: 2667455.89
S-4	TYPE 4 CURB INLET PER FOOT INDEX 425-020 AND 425-010	135.71	126.30 W 125.30 S 131.02 E	18"	N: 241900.59 E: 2667321.18
S-5	TYPE 4 CURB INLET PER FOOT INDEX 425-020 AND 425-010	135.71	131.20 S	15"	N: 241854.51 E: 2667387.18
S-6	TYPE 4 CURB INLET PER FOOT INDEX 425-020 AND 425-010	135.71	131.02 N 124.86 W 124.86 E	15"	N: 241819.51 E: 2667387.40
S-7	TYPE 4 CURB INLET PER FOOT INDEX 425-020 AND 425-010	135.88	124.04 E 124.04 S 124.04 N	24"	N: 241818.04 E: 2667154.00
S-8	FLARED END SECTION PER FOOT INDEX 430-020	N/A	123.74 N	24"	N: 241732.87 E: 2667165.94
S-9	TYPE 4 CURB INLET (LEFT) PER FOOT INDEX 425-020 AND 425-010	137.18	132.79 NW	15"	N: 242164.40 E: 2667486.47
S-10	TYPE 4 CURB INLET PER FOOT INDEX 425-020 AND 425-010	134.55	129.82 N 127.85 W 126.48 E	18"	N: 241791.09 E: 2667394.00
S-11	TYPE 4 CURB INLET PER FOOT INDEX 425-020 AND 425-010	134.55	130.00 S 130.00 N	15"	N: 241826.09 E: 2667639.47
S-12	TYPE 4 CURB INLET PER FOOT INDEX 425-020 AND 425-010	135.70	131.50 S	15"	N: 241853.31 E: 2667574.75
S-13	TYPE 4 CURB INLET PER FOOT INDEX 425-020 AND 425-010	135.71	131.20 W	15"	N: 241901.36 E: 2667467.17
S-14	TYPE 4 CURB INLET PER FOOT INDEX 425-020 AND 425-010	135.70	131.23 N 124.49 SW 124.49 E	24"	N: 241820.31 E: 2667114.97
S-15	TYPE 4 CURB INLET PER FOOT INDEX 425-020 AND 425-010	135.88	124.16 S 124.16 N	24"	N: 241853.01 E: 2667153.78
S-16	MANHOLE PER FOOT INDEX 425-020 AND 425-010	137.36	130.04 N 126.97 S	18"	N: 242001.13 E: 2667277.98
S-17	TYPE 3 CURB INLET (LEFT) PER FOOT INDEX 425-020 AND 425-010	132.20	127.08 N 126.28 W 126.27 S	18"	N: 241520.19 E: 2667475.56
S-18	TYPE 3 CURB INLET (RIGHT) PER FOOT INDEX 425-020 AND 425-010	132.21	127.25 E	18"	N: 241519.42 E: 2667440.57
S-19	TYPE 4 CURB INLET PER FOOT INDEX 425-020 AND 425-010	131.38	124.00 SE 124.00 NW	30"	N: 241338.45 E: 2667309.16
S-20	FLARED END SECTION PER FOOT INDEX 430-020	N/A	123.00 W	30"	N: 241386.51 E: 2667539.31

STORMWATER STRUCTURE TABLE

STRUCTURE	STRUCTURE TYPE	TOP	INVERT ELEV	PIPE DIA.	NORTHING & EASTING
S-21	TYPE 4 CURB INLET PER FOOT INDEX 425-020 AND 425-010	131.37	124.00 NW 124.00 N	30"	N: 241321.07 E: 2667408.74
S-22	OUTFALL STRUCTURE MODIFIED TYPE D INLET PER FOOT INDEX 425-022 (REFER TO SHEET C2.22 FOR DETAILS)	131.50	128.40 SW	18"	N: 241360.46 E: 2667528.52
S-24	TYPE 7 MANHOLE PER FOOT INDEX 425-001 (1) OR 2 (PIECE COVER CENTER), RECTANGULAR BOTTOM	129.65	127.10 N 126.12 E	15" (2)	N: 241189.23 E: 2667404.16
S-25	FLARED END SECTION PER FOOT INDEX 430-020	N/A	124.00 SE	30"	N: 241374.25 E: 2667381.13
S-26	MANHOLE PER FOOT INDEX 425-001 AND 425-010	131.57	125.80 N 124.00 E	30"	N: 241386.89 E: 2667478.19
S-27	MANHOLE PER FOOT INDEX 425-001 AND 425-010	131.64	127.90 NE 127.90 S	15" (2)	N: 241281.08 E: 2667455.77
S-28	MANHOLE PER FOOT INDEX 425-001 AND 425-010	136.23	125.02 W 125.02 N	18"	N: 241819.79 E: 2667432.69
S-29	MANHOLE PER FOOT INDEX 425-001 AND 425-010	136.00	127.21 N 127.21 S	24"	N: 241791.08 E: 2667468.96
S-30	TYPE 3 CURB INLET (LEFT) WITH F BOTTOM PER FOOT INDEX 425-020 AND 425-010	135.63	129.21 S	15"	N: 241827.35 E: 2667840.18
S-31	TYPE 3 CURB INLET (RIGHT) WITH F BOTTOM PER FOOT INDEX 425-020 AND 425-010	135.63	129.09 E 129.09 N	15"	N: 241792.35 E: 2667840.75
S-32	MANHOLE PER FOOT INDEX 425-001 AND 425-010	135.41	129.19 SE 129.19 W	15"	N: 241787.29 E: 2667574.75
S-33	MANHOLE PER FOOT INDEX 425-001 AND 425-010	134.59	129.68 E 129.68 NW	15"	N: 241687.65 E: 2668001.65
S-34	TYPE 3 CURB INLET (RIGHT) WITH F BOTTOM PER FOOT INDEX 425-020 AND 425-010	134.28	129.89 N 129.89 W	15"	N: 241681.98 E: 2668073.42
S-35	TYPE 3 CURB INLET (LEFT) WITH F BOTTOM PER FOOT INDEX 425-020 AND 425-010	134.28	130.00 S	15"	N: 241716.97 E: 2668072.69
S-36	OUTFALL STRUCTURE MODIFIED TYPE E INLET PER FOOT INDEX 425-022 (REFER TO SHEET C2.22 FOR DETAILS)	131.50	123.55 S	15"	N: 241363.66 E: 2667930.39
S-37	MANHOLE PER FOOT INDEX 425-001 AND 425-010	129.94	123.21 N 123.21 E	18"	N: 241185.42 E: 2667934.11
S-38	EXIST'G TYPE 1 STRUCTURE	131.75	122.79 W 122.79 S	30" X 24"	N: 241189.18 E: 2668166.57

NOTE: PPP STORM MAY BE SUBSTITUTED FOR RCP STORM PIPE

PROJECT: WALKER FARM CHEN

 CLIENT: WALKER FARM CHEN

 DATE: 11/02/2015

 DRAWING NO: 21-0293.05

 SHEET NO: C2.00

 PROJECT LOCATION: WALKER FARM CHEN, 10000 WALKER FARM CHEN DRIVE, WALKER FARM CHEN, WYOMING

 PROJECT DESCRIPTION: STORMWATER INFRASTRUCTURE

 DESIGNER: CH2M HILL

 CHECKED: [Name]

 APPROVED: [Name]

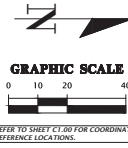
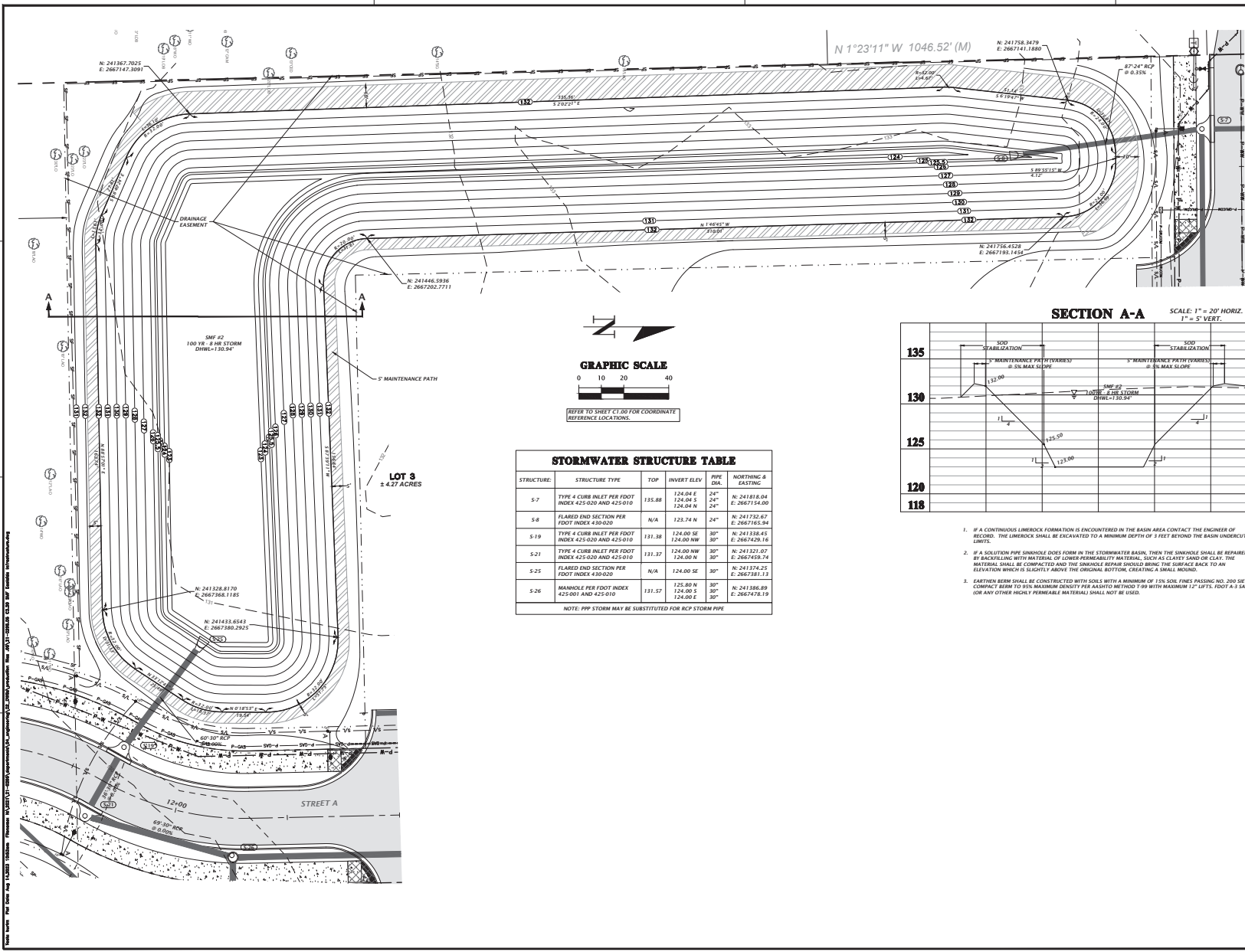
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 DRAWN BY: [Name]

 DATE: 11/02/2015

 PROJECT NO: 21-0293.05

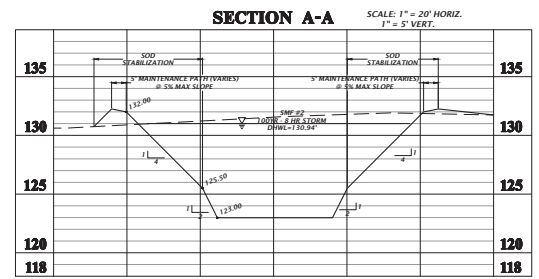
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STORMWATER STRUCTURE TABLE

STRUCTURE	STRUCTURE TYPE	TOP	INVERT ELEV	PIPE DIA.	NORTHING & EASTING
S-7	TYPE 4 CURB INLET PER FOOT INDEX 425-000 AND 425-010	124.04 F 124.04 S 124.04 W	24" 24" 24"	N: 241816.04 E: 2667154.00	
S-8	FLARED END SECTION PER FOOT INDEX 430-020	N/A	123.74 N	24" E: 2667165.94	
S-19	TYPE 4 CURB INLET PER FOOT INDEX 425-000 AND 425-010	124.00 SE 124.00 NW	30" 30"	N: 241338.45 E: 2667629.16	
S-21	TYPE 4 CURB INLET PER FOOT INDEX 425-000 AND 425-010	124.00 NW 124.00 N	30" 30"	N: 241321.07 E: 2667439.74	
S-25	FLARED END SECTION PER FOOT INDEX 430-020	N/A	124.00 SE	30" E: 2667381.13	
S-26	MANHOLE PER FOOT INDEX 425-001 AND 425-010	131.57	125.80 N 124.00 S	30" 30" N: 241386.89 E: 2667476.19	

NOTE: PPP STORM MAY BE SUBSTITUTED FOR RCP STORM PIPE



- IF A CONTINUOUS LIMESTONE FORMATION IS ENCOUNTERED IN THE BASIN AREA CONTACT THE ENGINEER OF RECORD. THE LIMESTONE SHALL BE EXCAVATED TO A MINIMUM DEPTH OF 3 FEET BEYOND THE BASIN UNDERCUT LIMITS.
- IF A SOLUTION PIPE SINNHOLE DOES FORM IN THE STORMWATER BASIN, THEN THE SINNHOLE SHALL BE REPAIRED BY BACKFILLING WITH MATERIAL OF LOWER PERMEABILITY MATERIAL, SUCH AS CLAYEY SAND OR CLAY. THE MATERIAL SHALL BE COMPACTED AND THE SINNHOLE REPAIR SHOULD BEING THE SURFACE BACK TO AN ELEVATION WHICH IS SLIGHTLY ABOVE THE ORIGINAL BOTTOM, CREATING A SMALL HOOP.
- EARTHEN BEAMS SHALL BE CONSTRUCTED WITH SOIL WITH A MINIMUM OF 1% SOIL FINES PASSING NO. 200 SIEVE. COMPACT BEAM TO 95% MAXIMUM DENSITY PER AASHTO METHOD T99 WITH MAXIMUM 12" LIFTS. FOOT 3 SAND (OR ANY OTHER HIGHLY PERMEABLE MATERIAL) SHALL NOT BE USED.

CHW
Civil & Highway
Engineering

11000 W. 10th Street, Suite 100, Denver, CO 80202
Tel: 303.733.1100 Fax: 303.733.1101
www.chw-engineering.com

PROJECT: COMMUNITY DEVELOPMENT AGENCY
PROJECT: EASTSIDE / CTC INFRASTRUCTURE
PROJECT: STORMWATER INFRASTRUCTURE FACILITY AT PARK AND SECTION

DATE: 11/20/23

REVISION: 1
DATE: 11/20/23

DESIGNED BY: WALKER FARM OHEN
CHECKED BY: WALKER FARM OHEN
DATE: 11/20/23

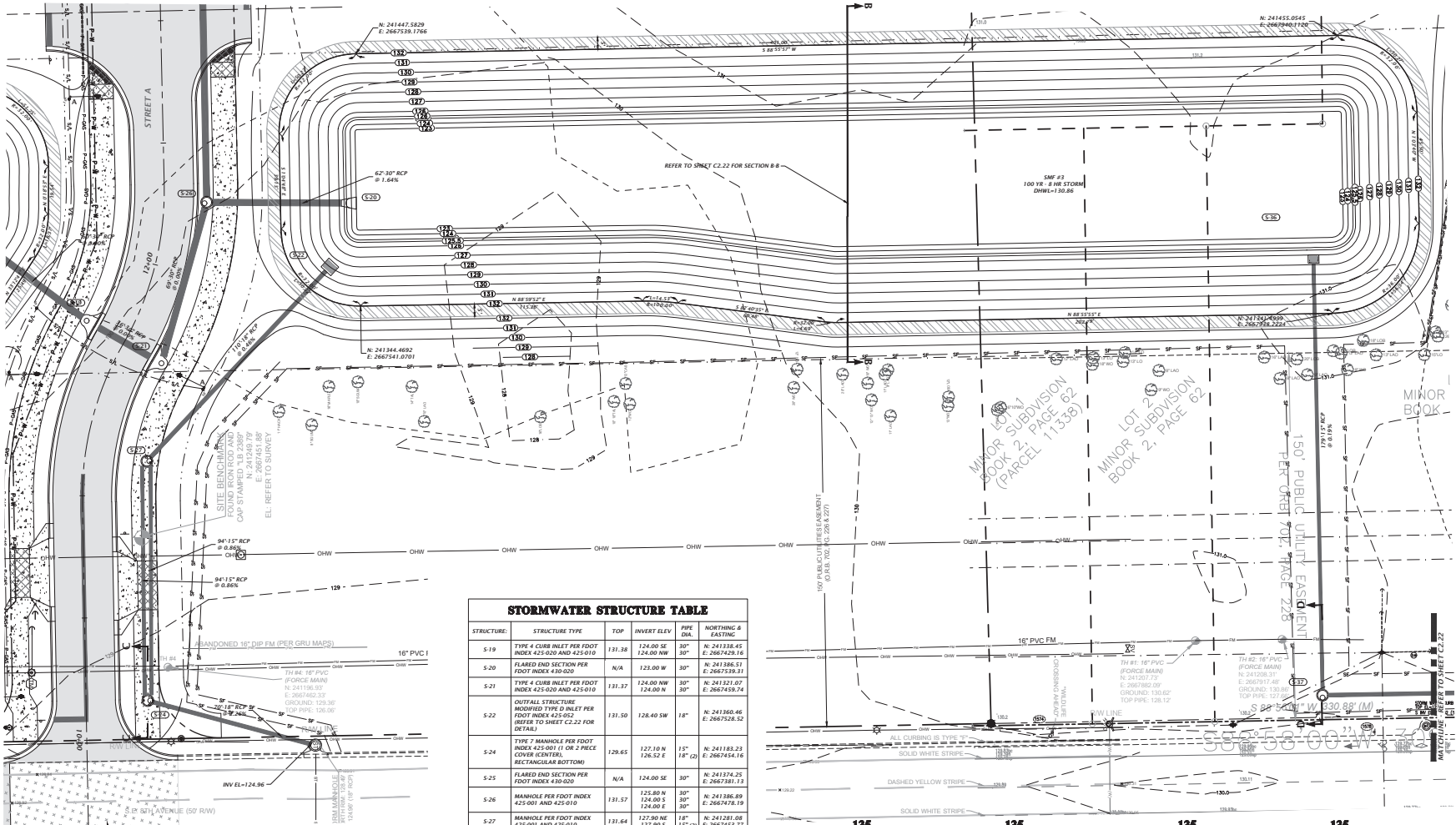
SCALE: 1" = 20' HORIZ. 1" = 5' VERT.

PROJECT NO.: 21-0295.05

DATE: 11/20/23

FL.PE. No.: 94201

C2.20



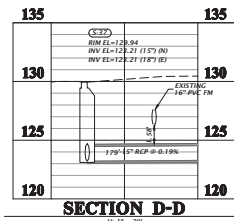
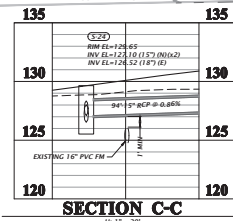
STORMWATER STRUCTURE TABLE

STRUCTURE	STRUCTURE TYPE	TOP	INVERT ELEV	PIPE NORTHING & EASTING
S-19	TYPE 4 CURB INLET PER FOOT INDEX 425-020 AND 425-010	131.38	124.00 SE 124.00 NW	30° N: 241338.45 E: 2667429.16
S-20	FLARED END SECTION PER FOOT INDEX 425-020	N/A	123.00 W	30° N: 241386.51 E: 2667536.31
S-21	TYPE 4 CURB INLET PER FOOT INDEX 425-020 AND 425-010	131.37	124.00 NW 124.00 N	30° N: 241321.07 E: 2667439.74
S-22	OUTFALL STRUCTURE MODIFIED TYPE 4 INLET PER FOOT INDEX 425-052 (REFER TO SHEET C2.22 FOR DETAILS)	131.50	128.40 SW	18° N: 241360.46 E: 2667528.52
S-24	TYPE 7 MANHOLE PER FOOT INDEX 425-001 (1 OR 2 PIECE COVER CENTER, RECTANGULAR BOTTOM)	129.65	127.10 N 126.52 E	15° N: 241183.23 E: 2667434.16
S-25	FLARED END SECTION PER FOOT INDEX 425-020	N/A	124.00 SE	30° N: 241374.25 E: 2667434.16
S-26	MANHOLE PER FOOT INDEX 425-001 AND 425-010	131.57	122.80 N 124.00 S 124.00 E	30° N: 241386.49 E: 2667478.19
S-27	MANHOLE PER FOOT INDEX 425-001 AND 425-010	131.64	127.90 S 127.90 S	18° N: 241281.08 E: 2667453.77
S-36	OUTFALL STRUCTURE MODIFIED TYPE 4 INLET PER FOOT INDEX 425-052 (REFER TO SHEET C2.22 FOR DETAILS)	131.50	123.55 S	15° N: 241363.66 E: 2667930.39
S-37	MANHOLE PER FOOT INDEX 425-001 AND 425-010	129.94	123.21 N 123.21 N	15° N: 241180.42 E: 2667934.11
S-38	5X10' TYPE 1 STRUCTURE	131.75	122.79 W 122.79 S (2) 122.79 S (2)	18° N: 241189.38 E: 2668166.57

NOTE: PPP STORM MAY BE SUBSTITUTED FOR RCP STORM PIPE



REFER TO SHEET C1.00 FOR COORDINATE REFERENCE LOCATIONS.



CH2M HILL

COMMUNITY DEVELOPMENT AGENCY
CITY OF GANDAMALLE
STREET / C/SIC INFRASTRUCTURE
STORMWATER MANAGEMENT FACILITY #3 PLAN

PROJECT NO. 21-0293.05

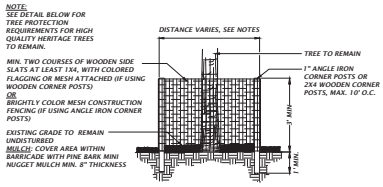
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DRAWN BY: WALKER FARM OWEN

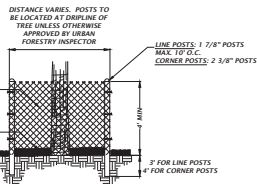
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SCALE: AS SHOWN

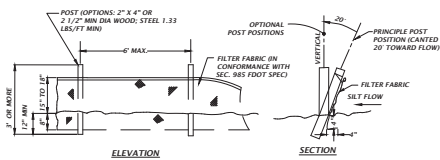
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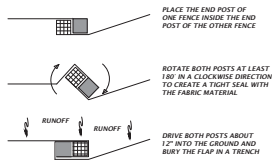
**STANDARD TREE PROTECTION DETAIL
REGULATED, NON HIGH-QUALITY HERITAGE**



**HIGH-QUALITY HERITAGE TREE
PROTECTION DETAIL**



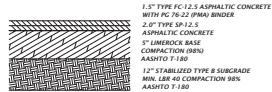
TYPE III SILT FENCE DETAIL



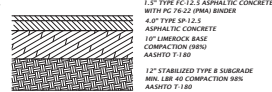
**TYPE III SILT FENCE
WRAPPING DETAIL**

TREE PROTECTION NOTES

- ALL REGULATED TREES IN AREAS OF DEMOLITION OR CONSTRUCTION THAT HAVE NOT BEEN PLANTED NOR DESIGNATED FOR REMOVAL BY EITHER THE TERMS OF THE PERMIT OR APPROVED DEVELOPMENT ORDER SHALL BE PROTECTED BY BARRIERS BECATED AND INSTALLED PRIOR TO CONSTRUCTION OF ANY STRUCTURES, ROAD, UTILITY SERVICE OR OTHER IMPROVEMENTS. BARRIERS SHALL COMPLY WITH THE FOLLOWING PROTECTION:
- PROTECTIVE BARRIERS SHALL BE CONSTRUCTED, AS NECESSARY, TO PREVENT THE DESTRUCTION OR DAMAGING OF REGULATED TREES THAT ARE LOCATED WITHIN 50 FEET OF ANY CONSTRUCTION ACTIVITY OR STORAGE OF EQUIPMENT AND MATERIALS.
- PROTECTIVE BARRIERS SHALL BE PLAINLY VISIBLE AND SHALL CREATE A CONTINUOUS BOUNDARY AROUND TREES OR VEGETATION CLUSTERS IN ORDER TO PREVENT ENCROACHMENT BY MACHINERY, VEHICLES OR STORED MATERIALS.
- NO TRENCHING ALLOWED WITHIN THE PROTECTIVE BARRIER ZONE. HAND DIG TO INSTALL UTILITY IF APPROVED BY CITY MANAGER OR DESIGNEE. WHERE ROOTS GREATER THAN ONE INCH IN DIAMETER ARE DAMAGED OR EXPOSED, THEY SHALL BE CUT CLEANLY AND RE-COVERED WITH SOIL WITHIN ONE HOUR OF DAMAGE OR EXPOSURE.
- PROTECTIVE BARRIERS SHALL REMAIN IN PLACE AND INTACT UNTIL SUCH TIME AS LANDSCAPE OPERATIONS BEGIN. IF CONSTRUCTION NEEDS DICTATE A TEMPORARY REMOVAL FOR LESS THAN 24 HOURS, THE CITY MANAGER OR DESIGNEE, MAY APPROVE OR DENY THE TEMPORARY REMOVAL OF PROTECTIVE BARRIERS.
- LANDSCAPE PREPARATION IN THE PROTECTED AREA SHALL BE LIMITED TO SHALLOW DISCING OF THE AREA. DISCING SHALL BE LIMITED TO A DEPTH OF 4 INCHES UNLESS SPECIALLY APPROVED OTHERWISE BY THE CITY MANAGER OR DESIGNEE.
- NO BUILDING MATERIALS, MACHINERY OR HARMFUL CHEMICALS SHALL BE PLACED WITHIN PROTECTIVE BARRIERS. EXCEPT SHORT DURATION PLACEMENTS OF CLEAN FILL SOIL THAT WILL NOT HARM THE TREE. SUCH SHORT DURATION PLACEMENTS SHALL NOT EXCEED SEVEN CALENDAR DAYS. THE CITY MANAGER OR DESIGNEE SHALL BE NOTIFIED OF THE DATES THE SHORT DURATION PLACEMENT WILL BEGIN AND END. THE ORIGINAL SOIL GRADE THAT EXISTED WITHIN THE PROTECTED AREAS PRIOR TO THE PLACEMENT OF SUCH FILL SHALL BE RESTORED.
- THE AMERICAN NATIONAL STANDARDS INSTITUTE'S A-300 PART V MANAGEMENT OF TREES AND SHRUBS DURING SITE PLANNING, SITE DEVELOPMENT, AND SITE CONSTRUCTION OR OTHER NATIONALLY RECOGNIZED ARBORICULTURAL STANDARDS APPROVED BY THE CITY MANAGER OR DESIGNEE SHALL BE USED AS GUIDELINES FOR TREE PROTECTION, PLANTING, PRUNING AND CARE DURING DEVELOPMENT AND CONSTRUCTION.
- POSTS TO BE LOCATED AT DIAPHRANE OF TREE FOR REGULATES PINE/PALMS OR A MINIMUM OF 2/3 THE AREA OF THE DIAPHRANE FOR ALL OTHER REGULATED SPECIES OR AT THE TREE ROOT PLATE, WHICHEVER IS GREATER (UNLESS OTHERWISE APPROVED BY THE URBAN FORESTRY INSPECTOR).
- CALL THE CITY OF CAINEVILLE URBAN FORESTRY INSPECTOR 352-393-8188 TO SCHEDULE A BARRICADE INSPECTION PRIOR TO BEGINNING ANY CLEARING AND GRUBBING WORK.

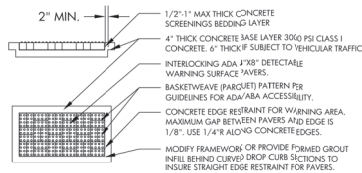


**FDOT SHOULDER
ASPHALT DETAIL**



**FDOT
ASPHALT DETAIL**

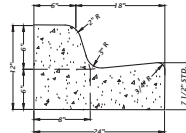
ASPHALT OPTIONS FOR FDOT RIGHT-OF-WAY



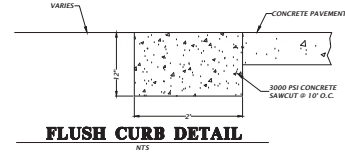
DETECTABLE WARNING NOTES:

- DETECTABLE WARNING COLOR TO PROVIDE LIGHT/DARK CONTRAST OF 70% OF ADJACENT SIDEWALK.
- DETECTABLE WARNING SURFACE FOR THE BANK'S SHALL CONSIST OF INTERLOCKING 4"x8" ADA DETECTABLE WARNING SURFACE PAVERS HAVING A MINIMUM DEPTH OF 2" WITH RAISED TRUNCATED DOMES WITH A DIAMETER OF NOMINAL 0.9 INCHES, A HEIGHT OF NOMINAL 0.2 INCHES, AND CENTER-TO-CENTER SPACING OF NOMINAL 2.35 INCHES. CONCRETE PAVERS ARE TO MEET ASTM C902, CLASS IX, TYPE I AND BRICK PAVERS ARE TO BE FABRAC, AMERICA'S RED HOLLANDSTONE CONCRETE PAVERS OR APPROVED EQUIVALENT.
- ALL UNITS SHALL BE SOUND AND FREE OF DEFECTS THAT WOULD INTERFERE WITH THE APPEARANCE OR PROPER PLACEMENT OF THE UNIT OR IMPAIR THE STRENGTH OR LONGEVITY OF THE FINAL STRUCTURE. ANY Joints THAT ARE STRUCTURALLY DAMAGED DURING THE WORK SHALL BE IMMEDIATELY REMOVED AND REPLACED. THE PAVERS ARE TO BE Laid IN A TWO BY TWO BASKETWEAVE PATTERN. FUGS WITH THE FINISH GRADE OF THE DOCK SURFACE AND HAVE GAPS BETWEEN 1/16" AND 1/8". CUT PAVERS (MASONRY SAW ONLY) SHALL BE NO SMALLER THAN ONE-THIRD OF A WHOLE PAVER.

BRICK DETECTABLE WARNINGS DETAILS



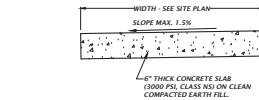
**TYPE F CONCRETE
CURB AND GUTTER DETAIL**



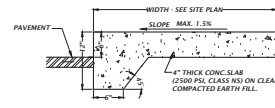
FLUSH CURB DETAIL



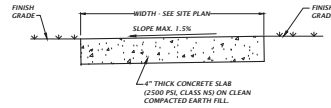
CONCRETE PAVEMENT DETAIL



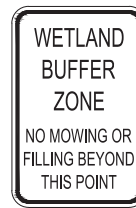
HEAVY DUTY CONCRETE SIDEWALK



**ADJACENT TO PAVEMENT
CONCRETE SIDEWALK DETAILS**



**NOT ADJACENT TO PAVEMENT
CONCRETE SIDEWALK DETAILS**



- NOTES:**
- SIGN SHALL BE ON METAL POST MOUNTED 2' ABOVE GRADE.
 - SIGN SHALL BE 12" 1/8" MINIMUM WITH WHITE BACKGROUND AND BLACK LETTERING.
 - PRIMARY LETTERING SHALL BE A MINIMUM OF 2" TALL AND SECONDARY LETTERING 1.5" TALL.

**WETLAND BUFFER
SIGN DETAIL**



**TYPICAL ASPHALT
PAVEMENT DETAIL**



CONSTRUCTION DETAILS

CONSTRUCTION DETAILS

CONSTRUCTION DETAILS

CONSTRUCTION DETAILS

CONSTRUCTION DETAILS

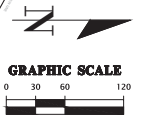
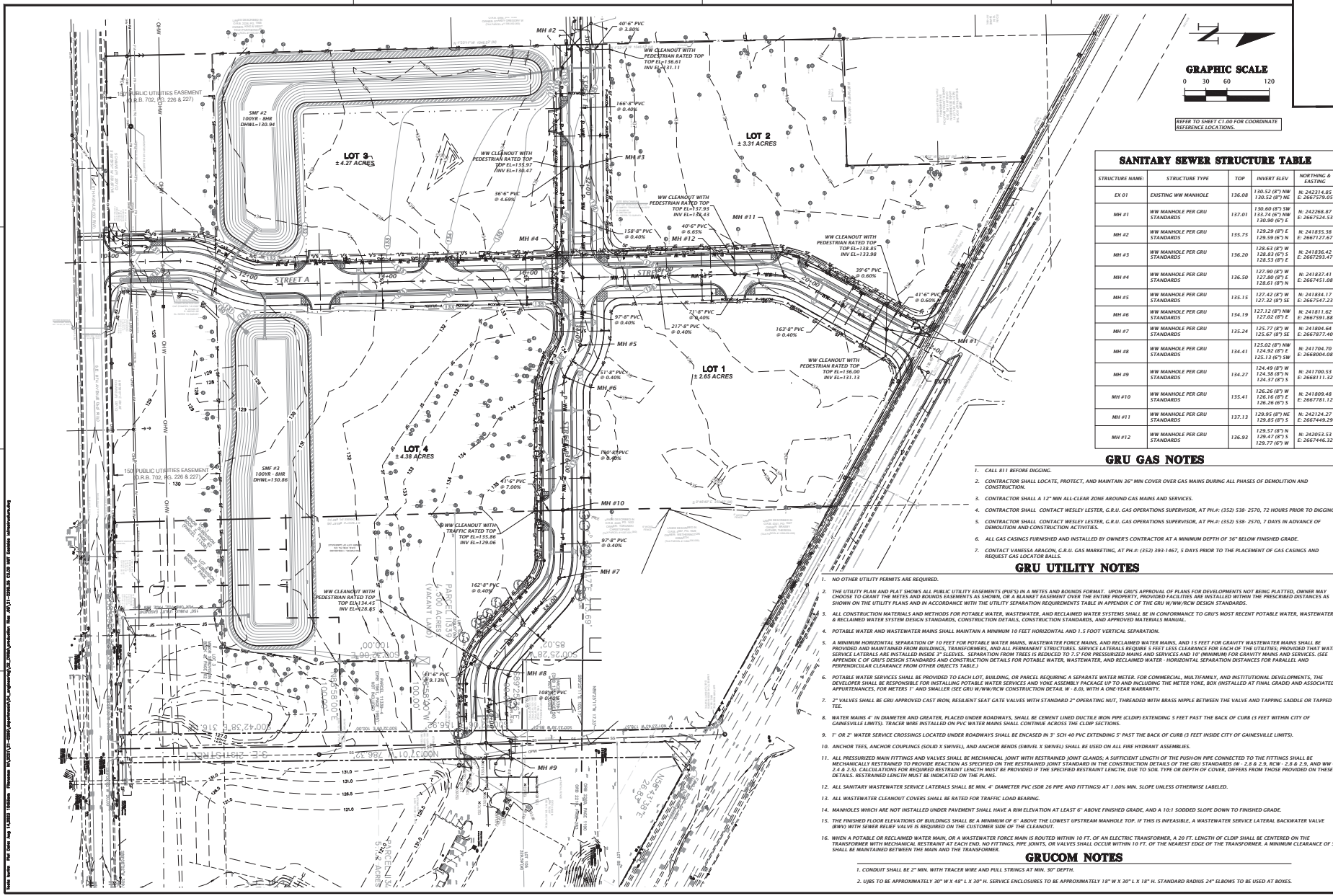
CONSTRUCTION DETAILS

CONSTRUCTION DETAILS

CONSTRUCTION DETAILS

CONSTRUCTION DETAILS

CONSTRUCTION DETAILS



SANITARY SEWER STRUCTURE TABLE

STRUCTURE NAME	STRUCTURE TYPE	TOP	INVERT ELEV	NORTHING & EASTING
EX 01	EXISTING WW MANHOLE	136.08	130.52 (87) NW 130.52 (87) NE	N: 242514.85 E: 266729.01
MH #1	WW MANHOLE PER GRU STANDARDS	137.01	130.66 (87) SW 131.74 (87) NW 130.80 (87) E	N: 242268.87 E: 266724.53
MH #2	WW MANHOLE PER GRU STANDARDS	135.75	129.29 (87) E 129.59 (87) N	N: 241835.58 E: 266712.67
MH #3	WW MANHOLE PER GRU STANDARDS	136.20	128.63 (87) W 128.45 (87) S 128.53 (87) E	N: 241836.42 E: 266729.47
MH #4	WW MANHOLE PER GRU STANDARDS	136.50	127.90 (87) W 127.82 (87) E	N: 241837.41 E: 266740.18
MH #5	WW MANHOLE PER GRU STANDARDS	135.13	127.42 (87) W 127.85 (87) E	N: 241834.17 E: 266757.23
MH #6	WW MANHOLE PER GRU STANDARDS	134.19	127.12 (87) NW 127.02 (87) E	N: 241811.62 E: 266759.88
MH #7	WW MANHOLE PER GRU STANDARDS	133.24	125.27 (87) W 125.67 (87) SE	N: 241806.88 E: 266797.00
MH #8	WW MANHOLE PER GRU STANDARDS	134.41	125.02 (87) NW 124.85 (87) W 125.13 (87) SW	N: 241704.70 E: 266800.08
MH #9	WW MANHOLE PER GRU STANDARDS	134.27	124.49 (87) W 124.38 (87) N 124.37 (87) S	N: 241700.53 E: 266811.32
MH #10	WW MANHOLE PER GRU STANDARDS	135.41	126.26 (87) W 126.16 (87) S 126.26 (87) E	N: 241809.48 E: 266778.12
MH #11	WW MANHOLE PER GRU STANDARDS	137.13	129.95 (87) NE 129.85 (87) S	N: 242124.27 E: 266749.29
MH #12	WW MANHOLE PER GRU STANDARDS	136.93	129.57 (87) N 129.47 (87) S 129.77 (87) W	N: 242053.52 E: 266746.82

GRU GAS NOTES

1. CALL 811 BEFORE DIGGING.
2. CONTRACTOR SHALL LOCATE, PROTECT, AND MAINTAIN 36" MIN COVER OVER GAS MAINS DURING ALL PHASES OF DEMOLITION AND CONSTRUCTION.
3. CONTRACTOR SHALL A 12" MIN ALL-CLEAR ZONE AROUND GAS MAINS AND SERVICES.
4. CONTRACTOR SHALL CONTACT WESLEY LESTER, C.R.U. GAS OPERATIONS SUPERVISOR, AT P.H.F.: (352) 538-2670, 72 HOURS PRIOR TO DIGGING.
5. CONTRACTOR SHALL CONTACT WESLEY LESTER, C.R.U. GAS OPERATIONS SUPERVISOR, AT P.H.F.: (352) 538-2670, 7 DAYS IN ADVANCE OF DEMOLITION AND CONSTRUCTION ACTIVITIES.
6. ALL GAS CASINGS FURNISHED AND INSTALLED BY OWNER'S CONTRACTOR AT A MINIMUM DEPTH OF 36" BELOW FINISHED GRADE.
7. CONTACT VANESSA ARAGON, C.R.U. GAS MARKETING, AT P.H.F.: (352) 393-1467, 5 DAYS PRIOR TO THE PLACEMENT OF GAS CASINGS AND REQUEST GAS LOCATION BALLS.

GRU UTILITY NOTES

1. NO OTHER UTILITY PERMITS ARE REQUIRED.
2. THE UTILITY PLAN AND PLAT SHOWS ALL PUBLIC UTILITY EASEMENTS (PUE) IN A METES AND BOUNDS FORMAT. UPON GRU'S APPROVAL OF PLANS FOR DEVELOPMENTS NOT BEING PLATTED, OWNER MAY CHOOSE TO GRANT THE METES AND BOUNDS EASEMENTS AS SHOWN, OR A BLANKET EASEMENT OVER THE ENTIRE PROPERTY, PROVIDED FACILITIES ARE INSTALLED WITHIN THE PRESCRIBED DISTANCES AS SHOWN ON THE UTILITY PLANS AND IN ACCORDANCE WITH THE UTILITY SEPARATION REQUIREMENTS TABLE IN APPENDIX C OF THE GRU W/R/W DESIGN STANDARDS.
3. ALL CONSTRUCTION MATERIALS AND METHODS FOR POTABLE WATER, WASTEWATER, AND RECLAIMED WATER SYSTEMS SHALL BE IN CONFORMANCE TO GRU'S MOST RECENT POTABLE WATER, WASTEWATER, & RECLAIMED WATER SYSTEM DESIGN STANDARDS, CONSTRUCTION DETAILS, CONSTRUCTION STANDARDS, AND APPROVED MATERIALS MANUAL.
4. POTABLE WATER AND WASTEWATER MAINS SHALL MAINTAIN A MINIMUM 10 FEET HORIZONTAL AND 1.5 FOOT VERTICAL SEPARATION.
5. A MINIMUM HORIZONTAL SEPARATION OF 10 FEET FOR POTABLE WATER MAINS, WASTEWATER FORCE MAINS, AND RECLAIMED WATER MAINS, AND 15 FEET FOR GRAVITY WASTEWATER MAINS SHALL BE PROVIDED AND MAINTAINED FROM BUILDINGS, TRANSFORMERS, AND ALL PERMANENT STRUCTURES. SERVICE LATERALS REQUIRE 5 FEET LESS CLEARANCE FOR EACH OF THE UTILITIES PROVIDED THAT WATER SERVICE LATERALS ARE INSTALLED INSIDE 3" SLEEVES. SEPARATION FROM TREES IS REDUCED TO 5' FOR PRESSURIZED MAINS AND SERVICES AND 10' (MINIMUM) FOR GRAVITY MAINS AND SERVICES. (SEE APPENDIX C OF GRU'S DESIGN STANDARDS AND CONSTRUCTION DETAILS FOR POTABLE WATER, WASTEWATER, AND RECLAIMED WATER. HORIZONTAL SEPARATION DISTANCES FOR PARALLEL AND PERPENDICULAR CLEARANCE FROM OTHER OBJECTS TABLE.)
6. POTABLE WATER SERVICES SHALL BE PROVIDED TO EACH LOT, BUILDING, OR PARCEL REQUIRING A SEPARATE WATER METER. FOR COMMERCIAL, MULTIFAMILY, AND INSTITUTIONAL DEVELOPMENTS, THE DEVELOPER SHALL BE RESPONSIBLE FOR INSTALLING POTABLE WATER SERVICES AND ONE ASSEMBLY PACKAGE UP TO AND INCLUDING THE METER YONK, NOT INSTALLED AT FINAL GRADE AND ASSOCIATED APPURTENANCES, FOR METERS 1" AND SMALLER (SEE GRU W/R/W CONSTRUCTION DETAIL W- 8.0), WITH A ONE-YEAR WARRANTY.
7. VALVES SHALL BE GRU APPROVED CAST IRON, RESILIENT SEAT GATE VALVES WITH STANDARD 2" OPERATING NUT, THREADED WITH BRASS NIPPLE WITH THE HANDLE AND TAPPING SADDLE OR TAPPED TEE.
8. WATER MAINS 4" IN DIAMETER AND GREATER, PLACED UNDER ROADWAYS, SHALL BE CEMENT LINED DUCTILE IRON PIPE (CLOPI) EXTENDING 5 FEET PAST THE BACK OF CURB (3 FEET WITHIN CITY OF GANESVILLE LIMITS). TRACER WIRE INSTALLED ON PVC WATER MAINS SHALL CONTINUE ACROSS THE CLOIP SECTION.
9. 1" OR 2" WATER SERVICE CROSSINGS LOCATED UNDER ROADWAYS SHALL BE ENCASED IN 3" SCH 40 PVC EXTENDING 5' PAST THE BACK OF CURB (3 FEET INSIDE CITY OF GANESVILLE LIMITS).
10. ANCHOR TEES, ANCHOR COUPLINGS (SOLD X SWIVEL), AND ANCHOR BENDS (SWIVEL X SWIVEL) SHALL BE USED ON ALL FIRE HYDRANT ASSEMBLIES.
11. ALL PRESSURIZED MAIN FITTINGS AND VALVES SHALL BE MECHANICAL JOINT WITH RESTRAINED JOINT GLANDS; A SUFFICIENT LENGTH OF THE PUSH ON PIPE CONNECTED TO THE FITTINGS SHALL BE MECHANICALLY RESTRAINED TO PROVIDE REACTION AS SPECIFIED ON THE RESTRAINED JOINT STANDARDS IN THE CONSTRUCTION DETAILS OF THE GRU STANDARDS W- 2.8 & 2.9, 2.8 & 2.9, AND WY- 2.4 & 2.5. CALCULATIONS FOR REQUIRED RESTRAINT LENGTH MUST BE PROVIDED IF THE SPECIFIED RESTRAINT LENGTH, DUE TO SOIL TYPE OR DEPTH OF COVER, DIFFERS FROM THOSE PROVIDED ON THESE DETAILS. RESTRAINT LENGTH MUST BE INDICATED ON THE PLANS.
12. ALL SANITARY WASTEWATER SERVICE LATERALS SHALL BE MIN. 4" DIAMETER PVC (SDR 26 PIPE AND FITTING) AT 1.00% MIN. SLOPE UNLESS OTHERWISE LABELED.
13. ALL WASTEWATER CLEANOUT COVERS SHALL BE RATED FOR TRAFFIC LOAD BEARING.
14. MANHOLES WHICH ARE NOT INSTALLED UNDER PAVEMENT SHALL HAVE A RIM ELEVATION AT LEAST 6" ABOVE FINISHED GRADE, AND A 10:1 SLOTTED SLOPE DOWN TO FINISHED GRADE.
15. THE FINISHED FLOOR ELEVATIONS OF BUILDINGS SHALL BE A MINIMUM OF 6" ABOVE THE LOWEST UPSTREAM MANHOLE TOP. IF THIS IS INFEASIBLE, A WASTEWATER SERVICE LATERAL BACKWATER VALVE (BWV) WITH SEWER RELIEF VALVE IS REQUIRED ON THE CUSTOMER SIDE OF THE CLEANOUT.
16. WHEN A POTABLE OR RECLAIMED WATER MAIN, OR A WASTEWATER FORCE MAIN IS ROUTED WITHIN 10 FT. OF AN ELECTRIC TRANSFORMER, A 20 FT. LENGTH OF CLOIP SHALL BE CENTERED ON THE TRANSFORMER WITH MECHANICAL RESTRAINT AT EACH END. NO FITTINGS, PIPE JOINTS, OR VALVES SHALL OCCUR WITHIN 10 FT. OF THE NEAREST EDGE OF THE TRANSFORMER. A MINIMUM CLEARANCE OF 3" SHALL BE MAINTAINED BETWEEN THE MAIN AND THE TRANSFORMER.

GRUCOM NOTES

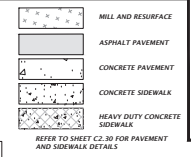
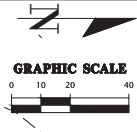
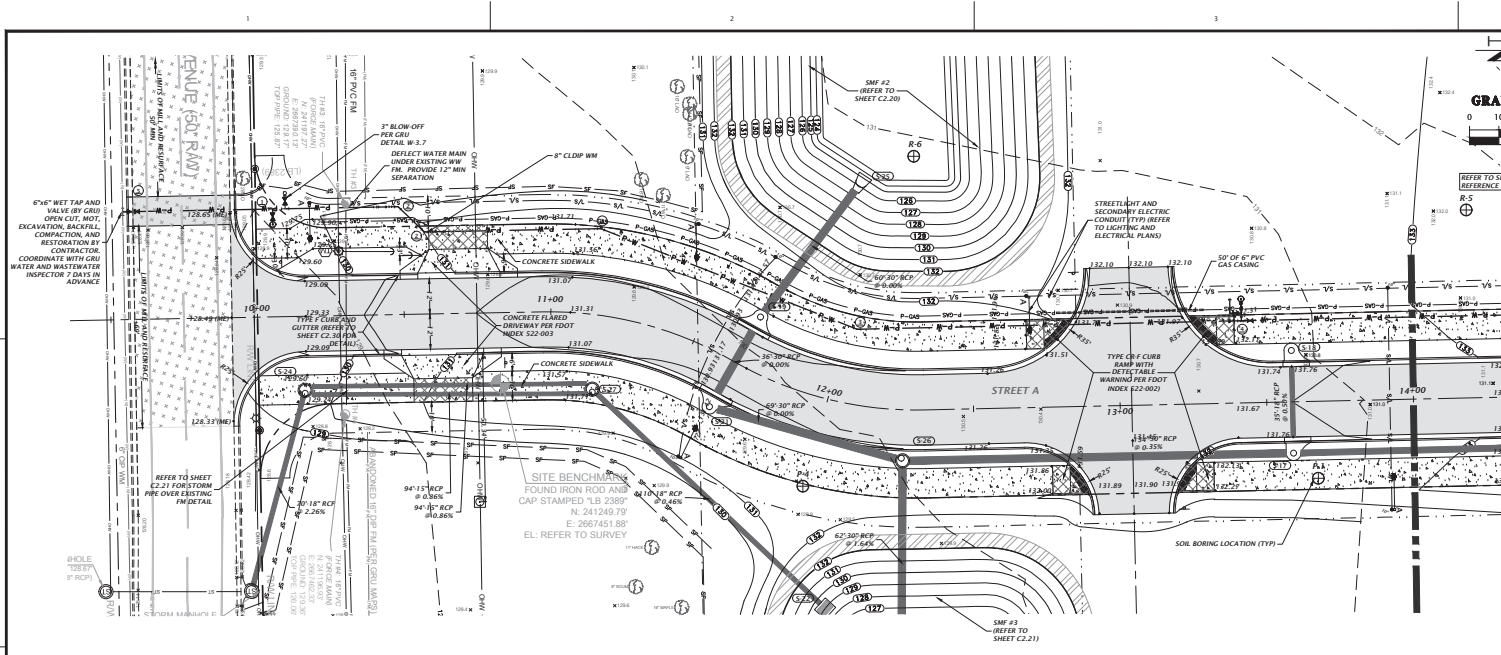
1. CONDUIT SHALL BE 2" MIN. WITH TRACER WIRE AND FILL STRINGS AT MIN. 30" DEPTH.
2. UBS TO BE APPROXIMATELY 30" W X 48" L X 30" H. SERVICE ENCLOSURES TO BE APPROXIMATELY 18" W X 30" L X 18" H. STANDARD RADIUS 2" ELBOWS TO BE USED AT BENDS.

CHW
 COMMUNITY DEVELOPMENT AGENCY
 1100 W. 10TH ST., SUITE 100
 GANESVILLE, FL 32609
 (352) 325-1100
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WALKER FARM CHEN
 PROJECT MANAGER
 1100 W. 10TH ST., SUITE 100
 GANESVILLE, FL 32609
 (352) 325-1100
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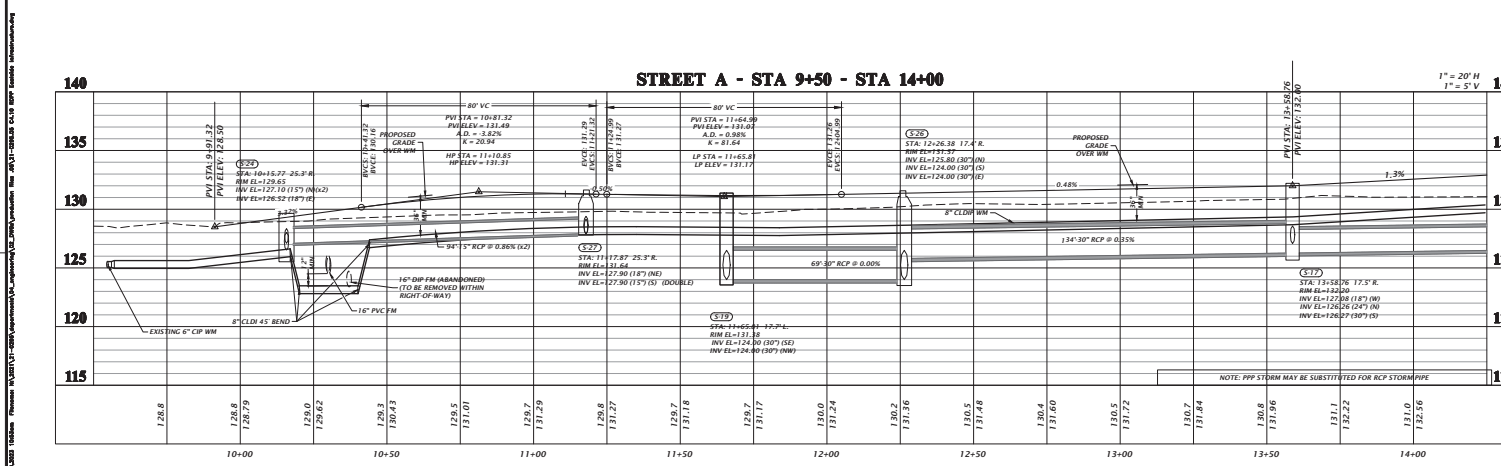
21-0295.05

FL.PE. No. 94201
C3.00



STRUCTURE	STRUCTURE TYPE	TOP	INVERT ELEV	RCP DIA.	NOTHING & EASTING
S17	TYPE 3 CURB INLET (LEFT) PER FOOT INDEX 425-000 AND 425-010	132.20	127.08 W 126.28 N	18" 30"	N: 241520.19 E: 2667475.56
S18	TYPE 3 CURB INLET (RIGHT) PER FOOT INDEX 425-000 AND 425-010	132.21	127.25 E 124.00 W	18" 30"	N: 241519.42 E: 2667440.57
S19	TYPE 4 CURB INLET PER FOOT INDEX 425-000 AND 425-010	131.38	124.00 SE 124.00 NW	30" 30"	N: 241338.45 E: 2667478.16
S21	TYPE 4 CURB INLET PER FOOT INDEX 425-000 AND 425-010	131.37	124.00 NW 124.00 N	30" 30"	N: 241321.07 E: 2667459.74
S22	OUTFALL STRUCTURE MODIFIED TYPE D INLET PER FOOT INDEX 425-052 (REFER TO SHEET C2.22 FOR DETAIL)	131.50	128.40 SW 126.52 E	18" 18"	N: 241360.46 E: 2667528.52
S24	TYPE 7 MANHOLE PER FOOT INDEX 425-001 (1) OR 2 PIECE COVER CENTER, RECTANGULAR BOTTOM	129.65	127.10 N 126.52 E	15" (2) 18"	N: 241183.23 E: 2667454.16
S26	MANHOLE PER FOOT INDEX 425-001 AND 425-010	131.57	125.80 N 124.00 E	30" 30"	N: 241386.89 E: 2667478.19
S27	MANHOLE PER FOOT INDEX 425-001 AND 425-010	131.64	127.90 NE 127.90 S	18" 18"	N: 241281.08 E: 2667453.77

NOTE: PPP STORM MAY BE SUBSTITUTED FOR RCP STORM PIPE



WATER FITTING SCHEDULE	
(1)	1" 8" C/D ANCHORING TEE (MECHANICALLY RESTRAINED)
(2)	1" 6" GATE VALVE AND BOX
(3)	1" FREE HYDRANT ASSEMBLY
(4)	1" 8" C/D 45° BEND
(5)	1" 8" C/D 22 1/2° BEND
(6)	1" 8" C/D ANCHORING TEE (MECHANICALLY RESTRAINED)
(7)	1" FREE HYDRANT ASSEMBLY
(8)	2" GATE VALVE AND BOX
(9)	6" 2" TAPPING SADDLE
(10)	2" GATE VALVE AND BOX
(11)	2" BRASS 90° BEND
(12)	2" BRASS CAP
(13)	1" 8" C/D REDUCER
(14)	1" 8" C/D ANCHORING TEE (MECHANICALLY RESTRAINED)
(15)	4" 8" GATE VALVE AND BOX
(16)	1" 8" C/D CROSS
(17)	2" 8" GATE VALVE AND BOX
(18)	1" 8" C/D CAP
(19)	1" 9" BLOW OFF ASSEMBLY PER G.U. WATER DETAIL W-1.7
(20)	1" 8" C/D 90° BEND

CHW CONSULTANTS

PROJECT: STORMWATER INFRASTRUCTURE IMPROVEMENTS ALONG STREET A, WALKER FARM CHEN

DATE: 11/20/23

SCALE: AS SHOWN

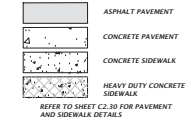
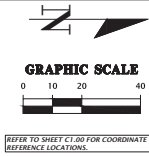
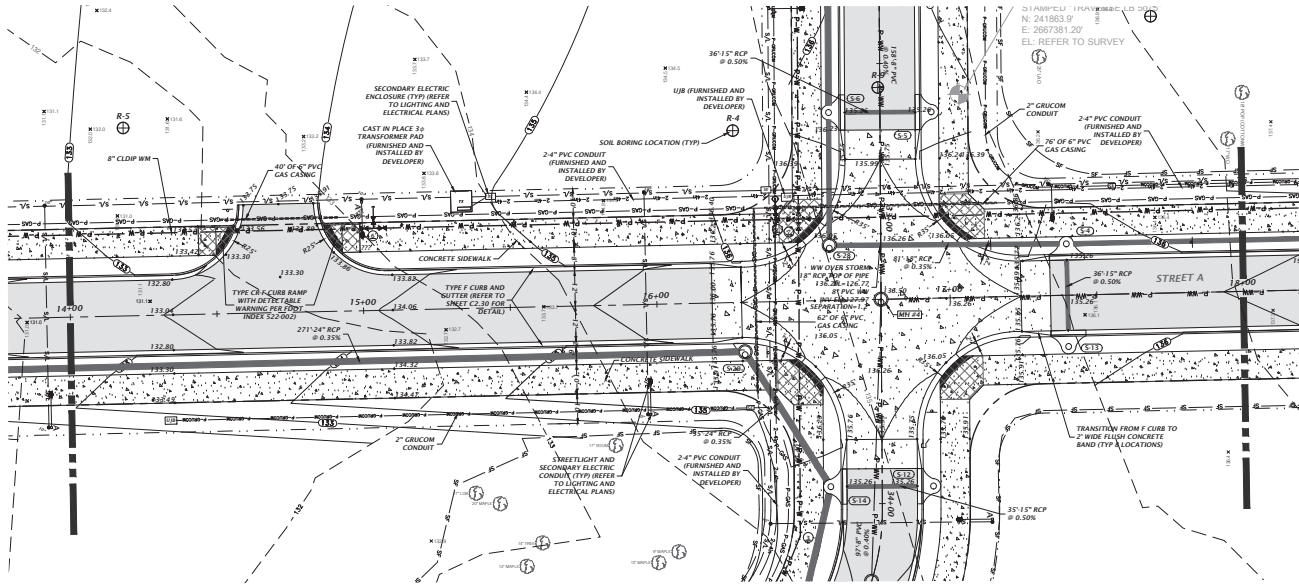
WALKER FARM CHEN

11/20/23

21-0295.05

FL.PE. No. 94201

C4.10

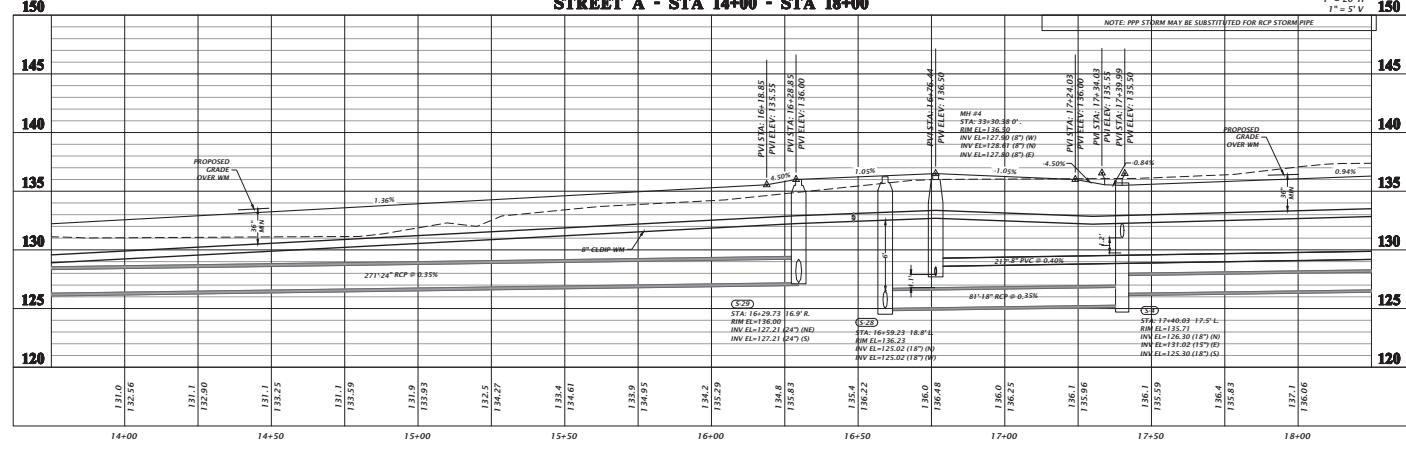


STRUCTURE	STRUCTURE TYPE	TOP	INVERT ELEV	PIPE DIA.	NORTHING & EASTING
S4	TYPE 4 CURB INLET PER FOOT INDEX 425-020 AND 425-010	135.71	126.30 N 125.90 S 131.02 E	18" 18" 15"	N: 241900.59 E: 266742.14
S5	TYPE 4 CURB INLET PER FOOT INDEX 425-020 AND 425-010	135.71	131.20 S 131.02 E	15" 18"	N: 241813.33 E: 266737.18
S6	TYPE 4 CURB INLET PER FOOT INDEX 425-020 AND 425-010	135.71	131.02 S 124.86 W 124.86 E	15" 24" 18"	N: 241819.51 E: 266737.40
S12	TYPE 4 CURB INLET PER FOOT INDEX 425-020 AND 425-010	135.70	131.50 S 131.50 E	15" 18"	N: 241855.31 E: 266751.75
S13	TYPE 4 CURB INLET PER FOOT INDEX 425-020 AND 425-010	135.71	131.20 W 131.33 S 127.40 E	15" 18" 24"	N: 241901.36 E: 266747.17
S14	TYPE 4 CURB INLET PER FOOT INDEX 425-020 AND 425-010	135.70	131.33 S 127.40 E	18" 24"	N: 241820.31 E: 266751.49
S28	MANHOLE PER FOOT INDEX 425-001 AND 425-010	136.23	125.00 W 125.00 E	18" 18"	N: 241819.70 E: 266742.69

NOTE: PPP STORM MAY BE SUBSTITUTED FOR RCP STORM PIPE

STREET A - STA 14+00 - STA 18+00

1" = 20' H
1" = 5' V



1	8" CLDI ANCHORING TEE (MECHANICALLY RESTRAINED)
2	6" GATE VALVE AND BOX
3	FIRE HYDRANT ASSEMBLY
4	8" CLDI 45° BEND
5	8" CLDI 22 1/2° BEND
6	8" CLDI ANCHORING TEE (MECHANICALLY RESTRAINED)
7	6" GATE VALVE AND BOX
8	4" TAPPING SMOKE
9	2" GATE VALVE AND BOX
10	2" BRASS 90° BEND
11	2" BRASS CAP
12	8" CLDI REDUCER
13	8" CLDI ANCHORING TEE (MECHANICALLY RESTRAINED)
14	6" GATE VALVE AND BOX
15	8" CLDI
16	8" CLDI CROSS
17	6" GATE VALVE AND BOX
18	8" CLDI 11 1/4° BEND
19	2" GATE VALVE AND BOX
20	8" CLDI CAP
21	1" BLOW OFF ASSEMBLY PER CRU WATER DETAIL W-17
22	8" CLDI 90° BEND

CHW
CIVIL & ENVIRONMENTAL ENGINEERS

PROJECT: STORMWATER INFRASTRUCTURE FOR STREET A, WALKER FAN OVEN

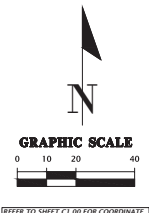
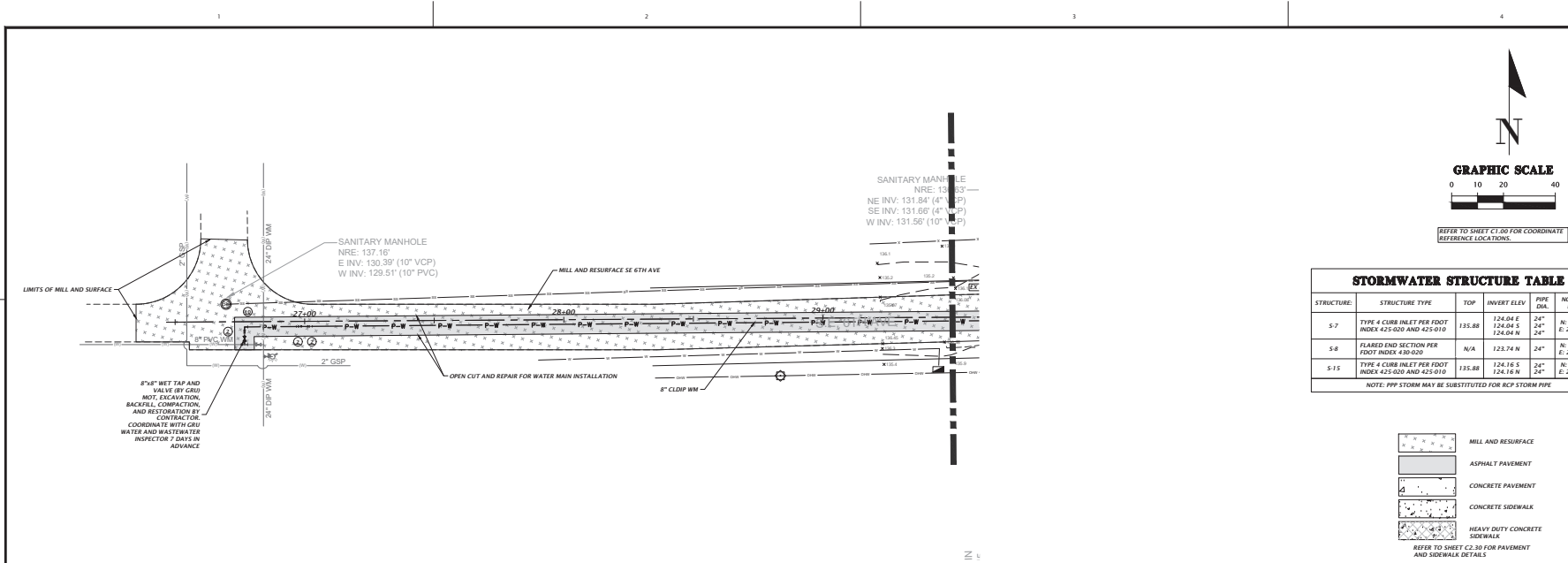
DATE: 11/20/23

SCALE: 1" = 20' H, 1" = 5' V

21-0293.05

WALKER FAN OVEN

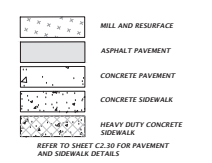
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STORMWATER STRUCTURE TABLE

STRUCTURE	STRUCTURE TYPE	TOP	INVERT ELEV.	PIPE DIA.	NORTHING & EASTING
S-7	TYPE 4 CURB INLET PER FOOT INDEX 425-020 AND 425-010	135.88	124.04 E 124.04 S 124.04 N	24" 24" 24"	N: 241818.04 E: 2667154.00
S-8	FLARED END SECTION PER FOOT INDEX 430-030	N/A	123.74 N	24"	N: 241732.67 E: 2667155.94
S-15	TYPE 4 CURB INLET PER FOOT INDEX 425-020 AND 425-010	135.88	124.16 S 124.16 N	24" 24"	N: 241853.01 E: 2667153.78

NOTE: PPP STORM MAY BE SUBSTITUTED FOR RCP STORM PIPE



APPROVED FOR CONSTRUCTION BY THE CITY OF GAINESVILLE
 CITY ENGINEER
 WALKER FARM OWEN

CHW
 CONSULTING ENGINEERS

DATE: 12/22/23
 DRAWN BY: J. WALKER
 CHECKED BY: J. WALKER
 PROJECT: STORMWATER INFRASTRUCTURE IMPROVEMENTS ALONG CRU WATER AND WASTEWATER MAINS IN THE CITY OF GAINESVILLE, FLORIDA

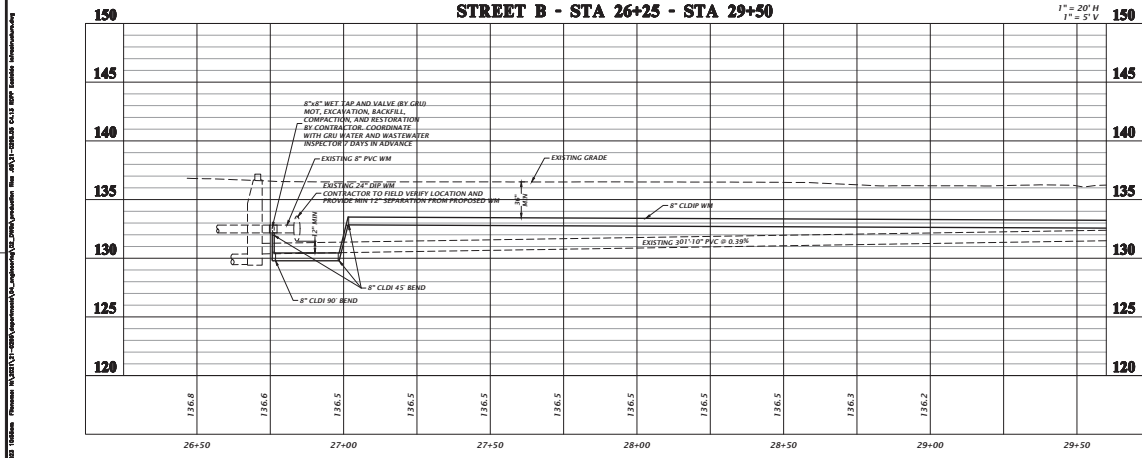
APPROVED FOR CONSTRUCTION BY THE CITY OF GAINESVILLE
 CITY ENGINEER
 WALKER FARM OWEN

COMMUNITY DEVELOPMENT AGENCY
 PROJECT: STORMWATER / CTEC INFRASTRUCTURE IMPROVEMENTS ALONG CRU WATER AND WASTEWATER MAINS IN THE CITY OF GAINESVILLE, FLORIDA
 DRAWING PLAN AND PROFILE

WALKER FARM OWEN
 21-0293.05

WALKER FARM OWEN
 State of Florida Professional Engineer License No. 94201
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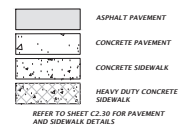
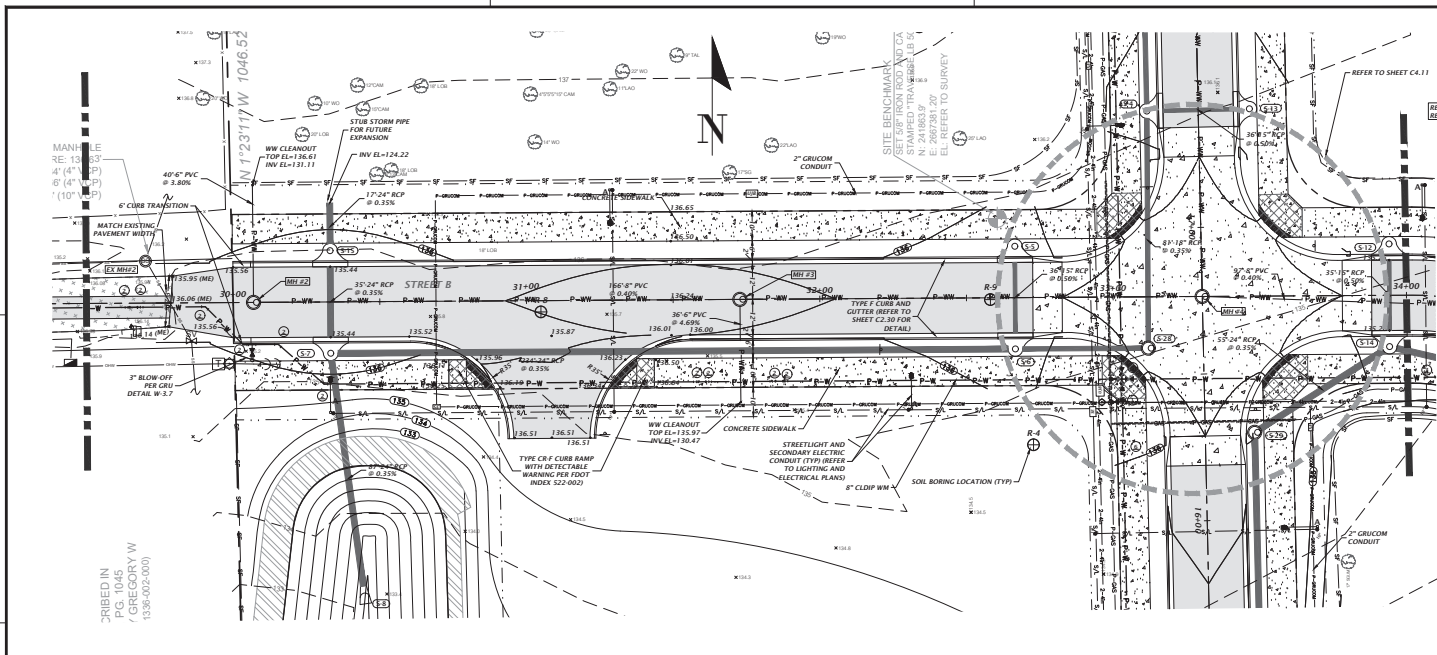
FL PE No. 94201
C4.13



WATER FITTING SCHEDULE

⊗	1 - 8" x 8" CLDI ANCHORING TEE (MECHANICALLY RESTRAINED)
⊙	1 - 6" GATE VALVE AND BOX
⊕	1 - FIRE HYDRANT ASSEMBLY
⊖	1 - 8" CLDI 45° BEND
⊗	1 - 8" CLDI 22 1/2° BEND
⊙	1 - 8" x 8" CLDI ANCHORING TEE (MECHANICALLY RESTRAINED)
⊕	1 - 6" GATE VALVE AND BOX
⊖	1 - FIRE HYDRANT ASSEMBLY
⊗	2 - 8" GATE VALVE AND BOX
⊙	1 - 6" x 6" TAPPING SADDLE
⊕	2 - 8" GATE VALVE AND BOX
⊖	1 - 2" BRASS 90° BEND
⊗	1 - 2" BRASS CAP
⊙	1 - 8" x 8" CLDI REDUCER
⊕	1 - 8" x 8" CLDI ANCHORING TEE (MECHANICALLY RESTRAINED)
⊖	3 - 8" GATE VALVE AND BOX
⊗	1 - 8" DI CAP
⊙	1 - 8" CLDI CROSS
⊕	4 - 8" GATE VALVE AND BOX
⊖	1 - 8" CLDI 11 1/4° BEND
⊗	2 - 8" GATE VALVE AND BOX
⊙	1 - 8" CLDI CAP
⊕	1 - 3" BLOW-OFF ASSEMBLY PER CRU WATER DETAIL W-3.7
⊖	1 - 8" CLDI 90° BEND

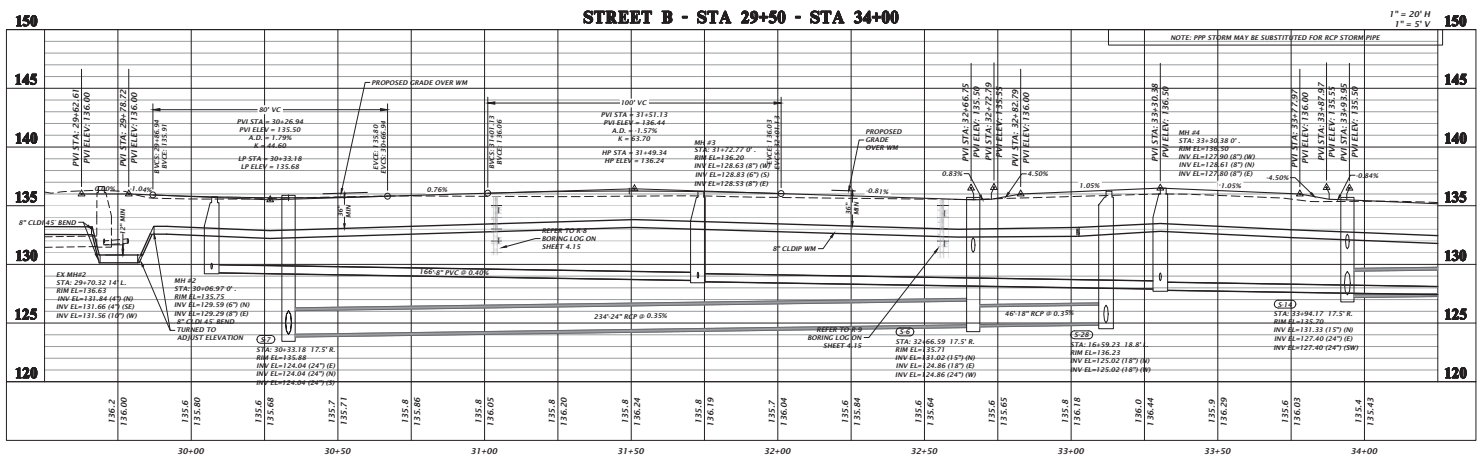
DATE: 12/22/23
 DRAWN BY: J. WALKER
 CHECKED BY: J. WALKER
 PROJECT: STORMWATER INFRASTRUCTURE IMPROVEMENTS ALONG CRU WATER AND WASTEWATER MAINS IN THE CITY OF GAINESVILLE, FLORIDA
 DRAWING PLAN AND PROFILE
 WALKER FARM OWEN
 State of Florida Professional Engineer License No. 94201
 This plan has been prepared, designed, and sealed by Walker Farm Owen, PE, in the State of Florida.
 Printed copies of this drawing shall be prepared in accordance with the Florida Board of Professional Engineers and the Florida Board of Professional Surveyors. The original and sealed set of this drawing shall be submitted to the appropriate authority for recording and electronic copies.



STORMWATER STRUCTURE TABLE					
STRUCTURE	STRUCTURE TYPE	TOP	INVERT ELEV	PIPE DIA.	NORTHING & EASTING
S-4	TYPE 4 CURB INLET PER FOOT INDEX 425.020 AND 425.010	135.71	126.30 N 131.02 E	18" 15"	N: 241900.59 E: 2667432.18
S-5	TYPE 4 CURB INLET PER FOOT INDEX 425.030 AND 425.010	135.71	131.20 S 131.20 E	15" 24"	N: 241854.51 E: 2667387.40
S-6	TYPE 4 CURB INLET PER FOOT INDEX 425.020 AND 425.010	135.71	131.02 N 124.86 W	15" 24"	N: 241816.51 E: 2667184.00
S-7	TYPE 4 CURB INLET PER FOOT INDEX 425.020 AND 425.010	135.88	124.04 E 124.04 S	24" 24"	N: 241818.04 E: 2667154.00
S-8	FLARED END SECTION PER FOOT INDEX 430.020	N/A	123.74 N 131.50 E	24"	N: 241732.67 E: 2667165.94
S-12	TYPE 4 CURB INLET PER FOOT INDEX 425.020 AND 425.010	135.70	131.50 S 131.50 E	15" 24"	N: 241855.31 E: 2667514.75
S-13	TYPE 4 CURB INLET PER FOOT INDEX 425.020 AND 425.010	135.71	131.20 S 131.20 W	15" 24"	N: 241901.36 E: 2667514.97
S-14	TYPE 4 CURB INLET PER FOOT INDEX 425.020 AND 425.010	135.70	131.33 N 127.46 S	15" 24"	N: 241820.31 E: 2667514.97
S-15	TYPE 4 CURB INLET PER FOOT INDEX 425.020 AND 425.010	135.88	124.16 E 124.16 S	24" 24"	N: 241853.01 E: 2667153.78
S-28	MANHOLE PER FOOT INDEX 425.001 AND 425.010	136.23	125.02 N 125.02 E	18" 18"	N: 241836.78 E: 2667423.69

NOTE: PPP STORM MAY BE SUBSTITUTED FOR RCP STORM PIPE

SANITARY SEWER STRUCTURE TABLE					
STRUCTURE NAME	STRUCTURE TYPE	TOP	INVERT ELEV	PIPE DIA.	NORTHING & EASTING
EX MH#2	EXISTING WW MANHOLE	136.63	131.56 (107) W 131.84 (47) N	18"	N: 241849.36 E: 2667000.91
MH #2	WW MANHOLE PER CRU STANDARDS	135.75	129.29 (87) E 129.59 (87) N	18"	N: 241835.36 E: 2667127.67
MH #3	WW MANHOLE PER CRU STANDARDS	136.20	128.63 (87) W 128.53 (87) E	18"	N: 241836.42 E: 2667293.47



WATER FITTING SCHEDULE	
1	1. 8\"/>
2	1. 8\"/>
3	1. 8\"/>
4	1. 8\"/>
5	1. 8\"/>
6	1. 8\"/>
7	1. 8\"/>
8	1. 8\"/>
9	1. 8\"/>
10	1. 8\"/>

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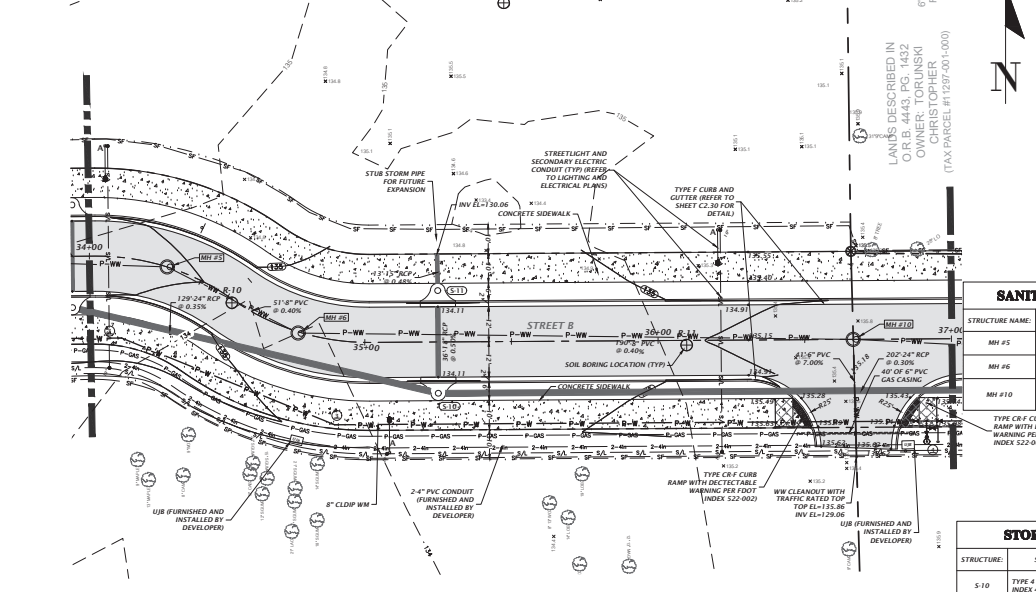
PROJECT: STREET B - STA 29+50 - STA 34+00
 LOCATION: ST. LOUIS, MISSOURI
 DRAWN BY: [Name]
 CHECKED BY: [Name]
 DATE: 11/20/23

COMMUNITY DEVELOPMENT AGENCY: ST. LOUIS, MISSOURI
 PROJECT: STREET B - STA 29+50 - STA 34+00
 DRAWING NO.: 21-0295.05

WALKER FAY OWEN
 ENGINEER
 LICENSE NO. 94201

DATE PERFORMED 10/25/2022 BORING NUMBER R-8		DATE PERFORMED 10/25/2022 BORING NUMBER R-9	
DRILLING CONTRACTOR Whittaker Drilling		DRILLING CONTRACTOR Whittaker Drilling	
GROUND WATER LEVELS LOGGED BY WJL		GROUND WATER LEVELS LOGGED BY WJL	
AT TIME OF DRILLING 3.8L CHECKED BY ASL		AT TIME OF DRILLING 3.8L CHECKED BY ASL	
ESTIMATED SEASONAL HIGH 2.8L		ESTIMATED SEASONAL HIGH 2.8L	
NOTES		NOTES	
DEPTH (ft) CORRECTED LOG	MATERIAL DESCRIPTION	DEPTH (ft) CORRECTED LOG	MATERIAL DESCRIPTION
0	(SP-SM) Dark brown SAND with silt	0	(SP-SM) Dark brown and gray SAND with silt
1	NPASS-200 + 7 MC #6	1	
2		2	
3	(SP) Pale gray and brown SAND	3	(SP) Pale gray and brown SAND
4		4	
5.0	Bottom of borehole at 5.0 feet.	5.0	Bottom of borehole at 5.0 feet.

DATE PERFORMED 10/25/2022 BORING NUMBER R-10		DATE PERFORMED 10/25/2022 BORING NUMBER R-11	
DRILLING CONTRACTOR Whittaker Drilling		DRILLING CONTRACTOR Whittaker Drilling	
GROUND WATER LEVELS LOGGED BY WJL		GROUND WATER LEVELS LOGGED BY WJL	
AT TIME OF DRILLING 3.8L CHECKED BY ASL		AT TIME OF DRILLING NR CHECKED BY ASL	
ESTIMATED SEASONAL HIGH 2.8L		ESTIMATED SEASONAL HIGH 2.8L	
NOTES		NOTES	
DEPTH (ft) CORRECTED LOG	MATERIAL DESCRIPTION	DEPTH (ft) CORRECTED LOG	MATERIAL DESCRIPTION
0	(SP-SM) Dark gray and brown SAND with silt	0	(SP-SM) Gray SAND with silt
1	NPASS-200 + 7 MC #2	1	
2		2	
3	(SP) Pale gray and brown SAND	3	(SP) Brown SAND
4		4	
5.0	Bottom of borehole at 5.0 feet.	5.0	Bottom of borehole at 5.0 feet.



REFER TO SHEET C1.00 FOR COORDINATE REFERENCE LOCATIONS.

- ASPHALT PAVEMENT
 - CONCRETE PAVEMENT
 - CONCRETE SIDEWALK
 - HEAVY DUTY CONCRETE SIDEWALK
- REFER TO SHEET C2.30 FOR PAVEMENT AND SIDEWALK DETAILS

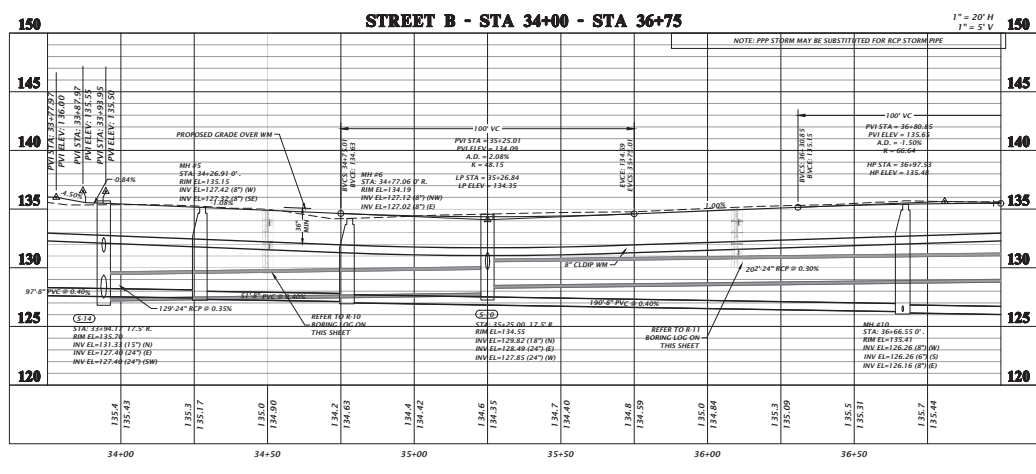
SANITARY SEWER STRUCTURE TABLE

STRUCTURE NAME	STRUCTURE TYPE	TOP	INVERT ELEV	NORTHING & EASTING
MH #5	WW MANHOLE PER CRU STANDARDS	135.15	127.42 (87) W 127.52 (87) S	N. 241834.17 E. 2667947.23
MH #6	WW MANHOLE PER CRU STANDARDS	134.19	127.12 (87) W 127.02 (87) E	N. 241811.62 E. 2667991.68
MH #10	WW MANHOLE PER CRU STANDARDS	135.41	126.26 (87) W 126.16 (87) S	N. 241809.48 E. 2667781.12

STORMWATER STRUCTURE TABLE

STRUCTURE	STRUCTURE TYPE	TOP	INVERT ELEV	PFE DIA.	NORTHING & EASTING
S10	TYPE 4 CURB INLET PER FDOT INDEX 425-020 AND 425-010	134.55	129.82 W 122.82 W	24" 24"	N. 241791.09 E. 2667939.69
S11	TYPE 4 CURB INLET PER FDOT INDEX 425-020 AND 425-010	134.55	130.00 S 130.00 N	18" 15"	N. 241236.00 E. 2667639.47

NOTE: PPP STORM MAY BE SUBSTITUTED FOR RCP STORM PIPE



- WATER FITTING SCHEDULE**
- 1- 8" 45° ELDI ANCHORING TEE (MECHANICALLY RESTRAINED)
 - 1- 6" GATE VALVE AND BOX
 - 1- FRIE HYDRANT ASSEMBLY
 - 1- 8" C/D 45° BEND
 - 1- 8" C/D 90° BEND
 - 1- 8" 45° ELDI ANCHORING TEE (MECHANICALLY RESTRAINED)
 - 1- 6" GATE VALVE AND BOX
 - 1- FRIE HYDRANT ASSEMBLY
 - 1- 8" C/D VALVE AND BOX
 - 1- 6" 2" TAPPING SADDLE
 - 1- 2" GATE VALVE AND BOX
 - 1- 2" BRASS 90° BEND
 - 1- 2" BRASS CAP
 - 1- 8" 45° ELDI REDUCER
 - 1- 8" 45° ELDI ANCHORING TEE (MECHANICALLY RESTRAINED)
 - 1- 8" GATE VALVE AND BOX
 - 1- 8" DI CAP
 - 1- 8" C/D CROSS
 - 1- 8" GATE VALVE AND BOX
 - 1- 8" C/D CAP
 - 1- 2" BLOWOFF ASSEMBLY PER CRU WATER DETAIL W-3.7
 - 1- 8" C/D 90° BEND

CHW
Civil & Highway
Engineering

PROJECT: SANITARY SEWER AND STORMWATER INFRASTRUCTURE FOR STREET B, WALKER FARM CHEN
DRAWN BY: WALKER FARM CHEN
CHECKED BY: WALKER FARM CHEN
DATE: 10/25/2022

SCALE: 1" = 20' H
1" = 5' V

PROJECT NO: 21-0293.05

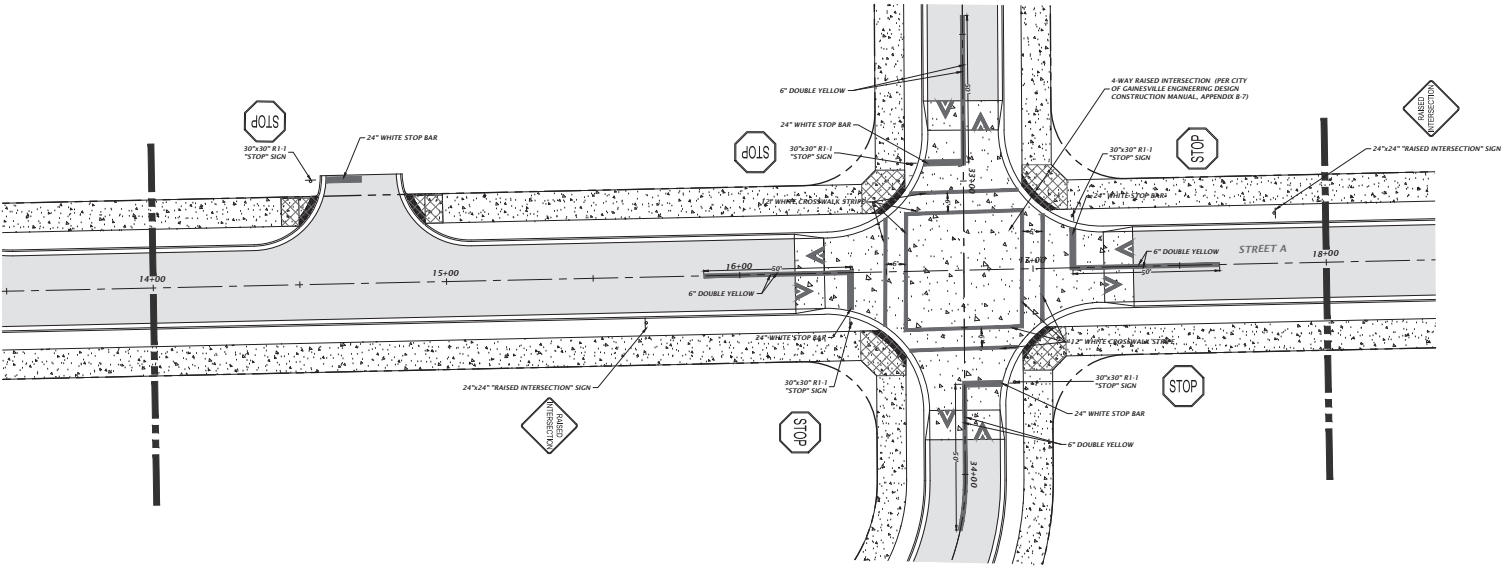
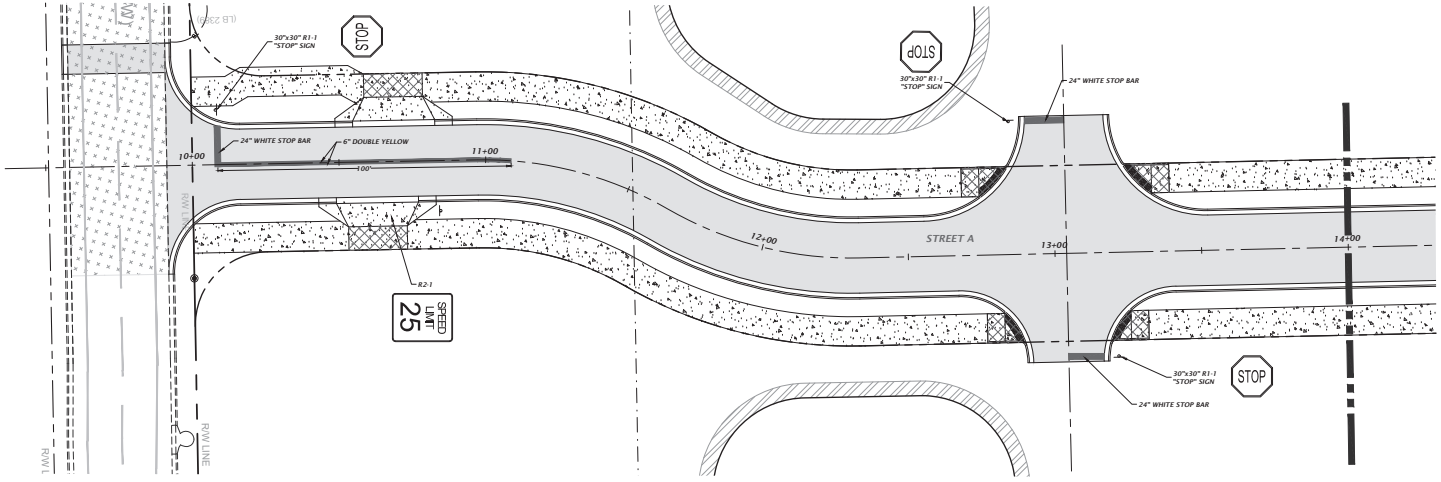
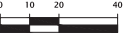
DATE: 10/25/2022

FL PE No. 94201

C4.15



GRAPHIC SCALE



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FLORIDA

CH2M
HILL
FLORIDA

PROJECT: WALKER FARM
LOCATION: WALKER FARM
DRAWN BY: J. WALKER
CHECKED BY: J. WALKER
DATE: 11/11/05

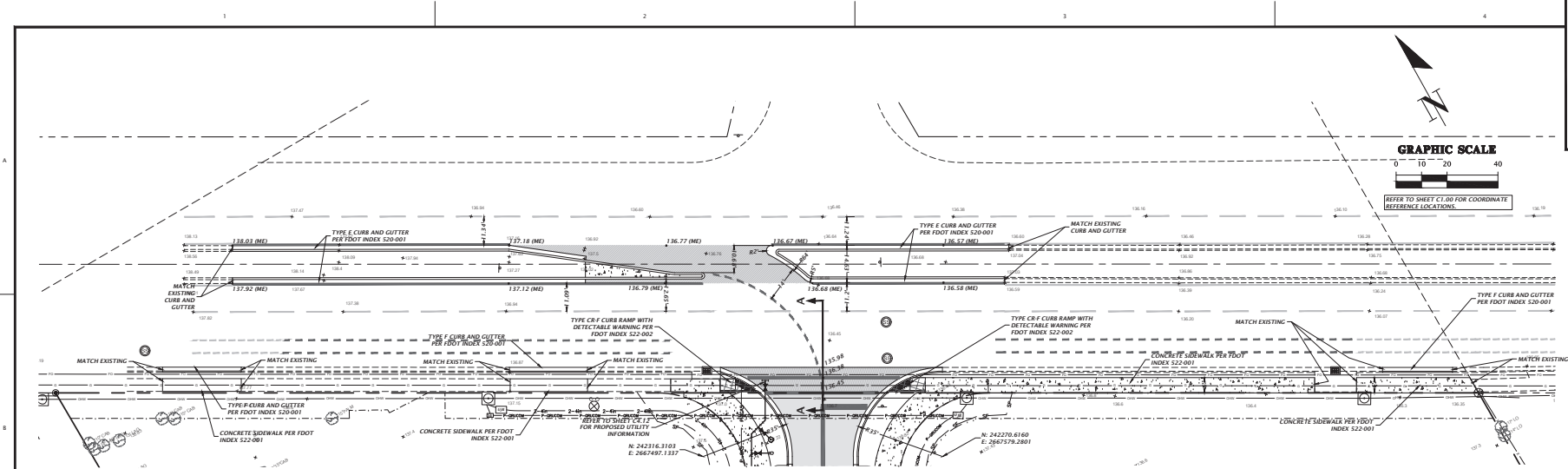
DESIGNED BY: J. WALKER
CHECKED BY: J. WALKER
DATE: 11/11/05

COMMUNITY DEVELOPMENT AGENCY
CITY OF GAINESVILLE
PROJECT: WALKER FARM
DATE: 11/11/05

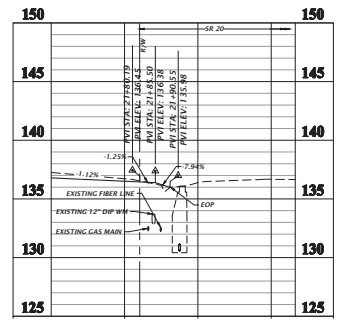
DATE: 11/11/05
PROJECT: WALKER FARM
DRAWN BY: J. WALKER
CHECKED BY: J. WALKER

WALKER FARM OWNER
WALKER FARM OWNER
DATE: 11/11/05

FL PE No. 94201
C4.20



FOOT ASPHALT (REFER TO DETAIL ON SHEET C2.30)



SECTION A-A

H: 1" = 2' 0"
V: 1" = 5'



REFER TO SHEET C1.00 FOR COORDINATE REFERENCE LOCATIONS.

ALL WORK SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR CONSTRUCTION OF PUBLIC WORKS, EDITION 2011, AS AMENDED BY THE CITY OF GAINESVILLE, FLORIDA.

CH2M
Hill
Hatchell
Group, Inc.

PROJECT: SR 20 IMPROVEMENTS
SHEET: C5.01

DATE: 11/11/2011
DRAWN BY: J. WALKER
CHECKED BY: J. WALKER

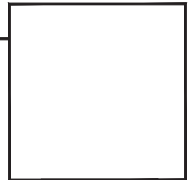
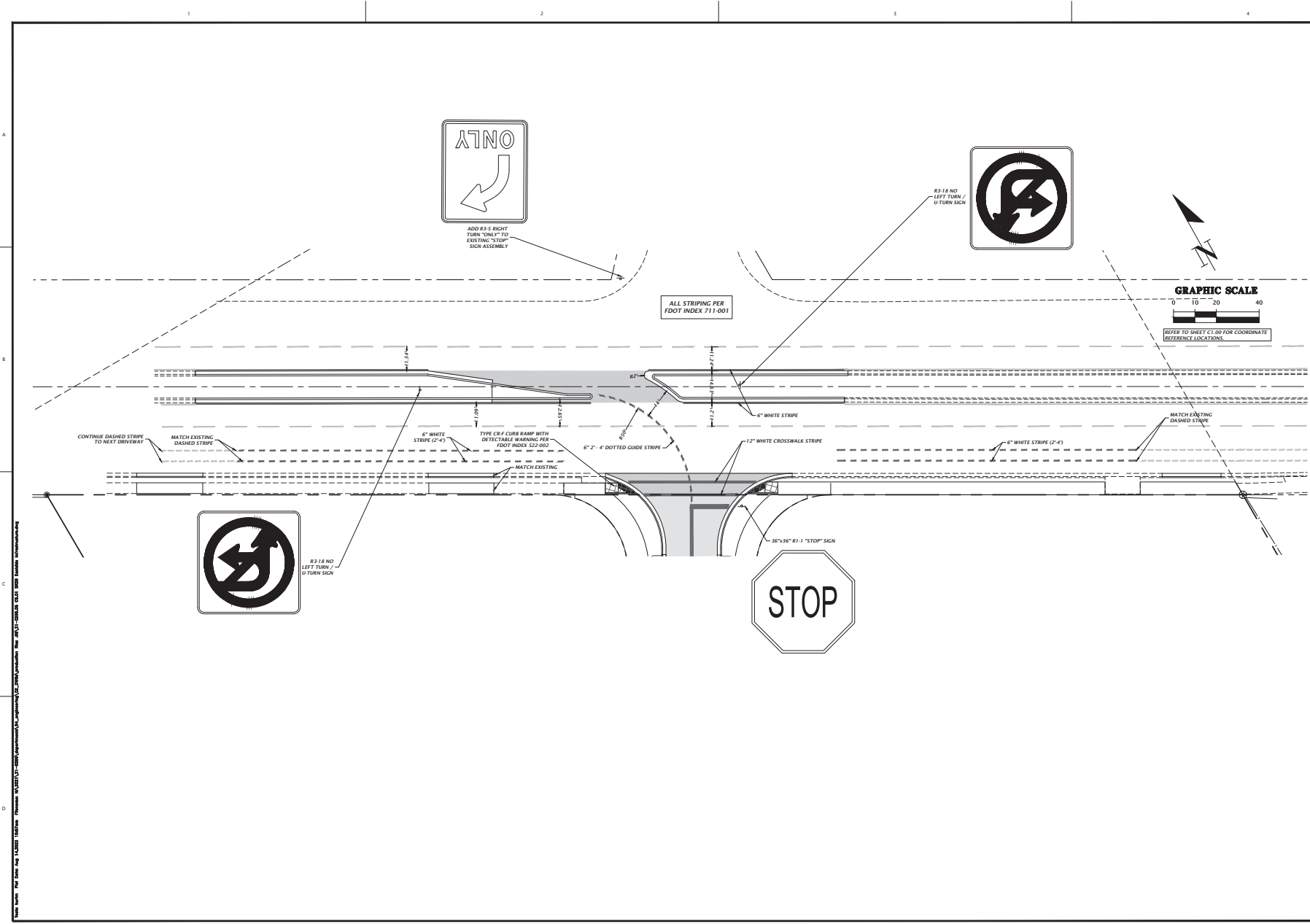
APPROVED BY: J. WALKER
PROJECT: SR 20 IMPROVEMENTS
SHEET: C5.01

COMMUNITY DEVELOPMENT AGENCY
PROJECT: SR 20 IMPROVEMENTS
SHEET: C5.01

PROJECT: SR 20 IMPROVEMENTS
SHEET: C5.01

WALKER FAIN OWEN
WALKER FAIN OWEN
WALKER FAIN OWEN

FL PE No. 94201
C5.01



PROJECT: GANDY STREET IMPROVEMENTS
 LOCATION: GANDY STREET, TAMPA, FLORIDA
 DATE: 11/20/2013

SCALE: AS SHOWN
 DRAWN BY: J. WALKER
 CHECKED BY: J. WALKER

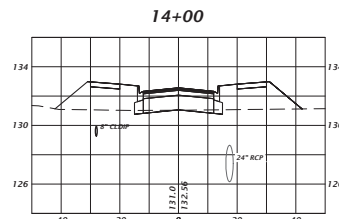
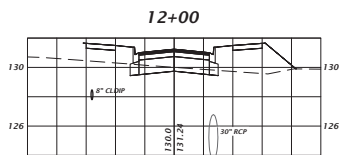
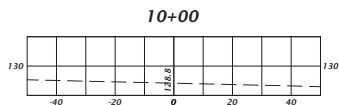
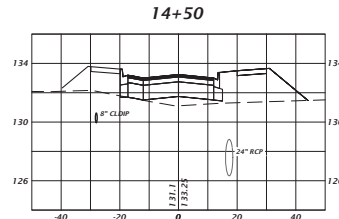
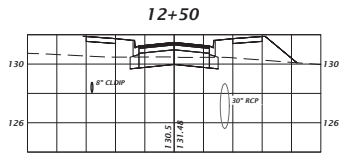
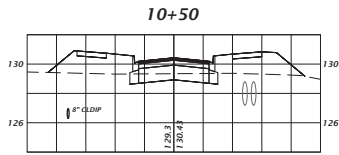
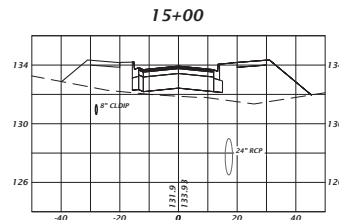
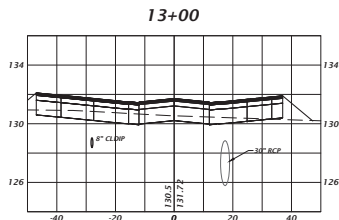
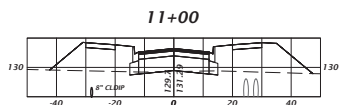
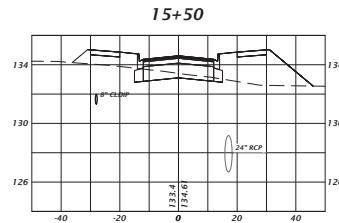
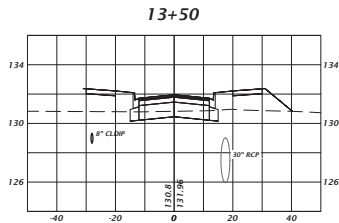
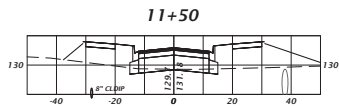
DESIGNED BY: J. WALKER
 CITY OF GANDYVILLE, FLORIDA
 PROJECT NO.: 11-0295.05

COMMUNITY DEVELOPMENT AGENCY
 PROJECT: EASTSIDE / CTC INFRASTRUCTURE
 SHEET NO.: 11-0295.05

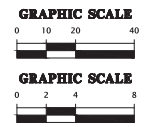
DESIGNER:
 J. WALKER
 11-0295.05

WALKER FIRM OWNER
 WALKER FIRM OWNER
 STATE OF FLORIDA PROFESSIONAL
 ENGINEER LICENSE NO. 94201

FL PE No. 94201
C5.02



STREET A



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CH2M
HILL
HILL

SCALE
DATE
DRAWN BY
CHECKED BY
APPROVED BY

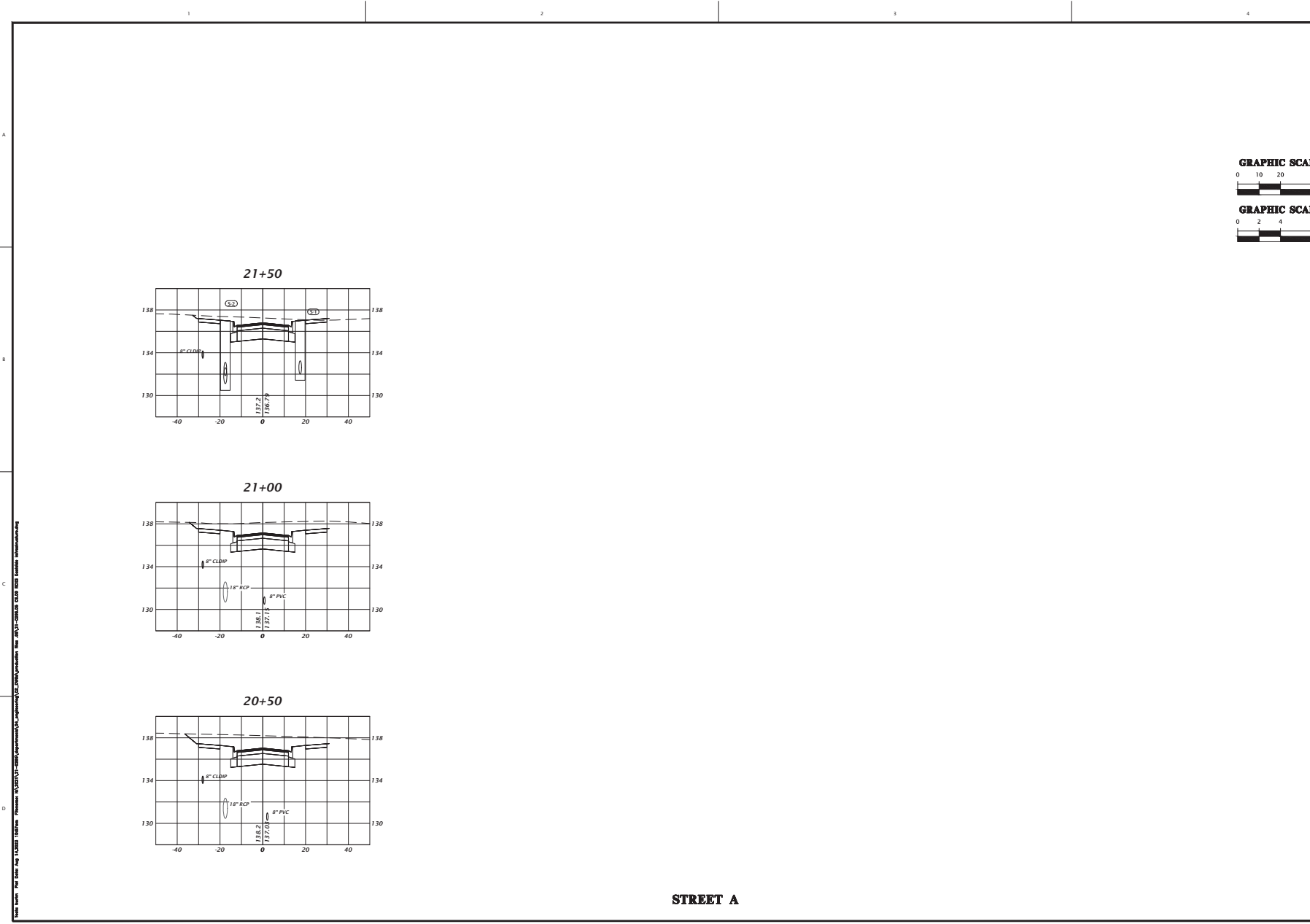
PROJECT
LOCATION
SHEET NO.

DESIGNED BY
CHECKED BY
APPROVED BY

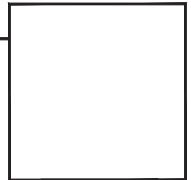
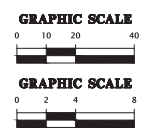
COMMUNITY DEVELOPMENT AGENCY
PROJECT
LOCATION
SHEET NO.

DESIGNED BY
CHECKED BY
APPROVED BY

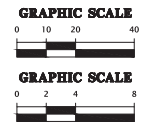
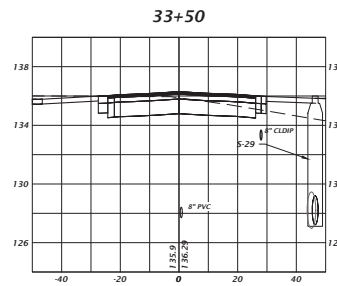
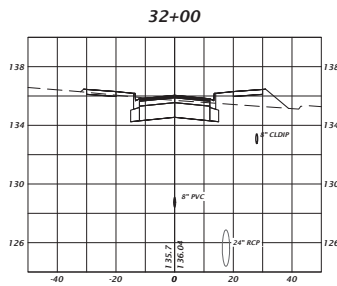
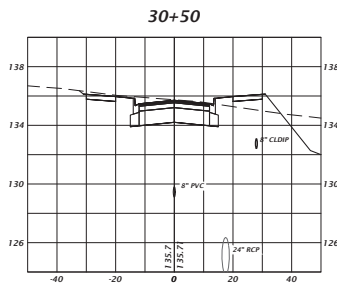
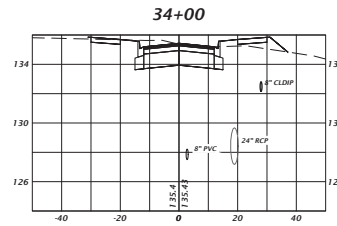
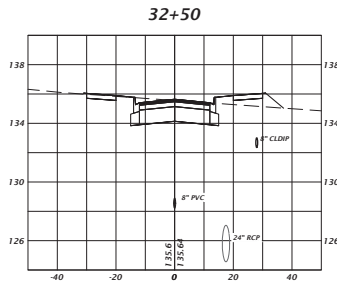
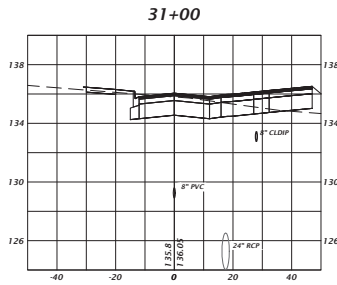
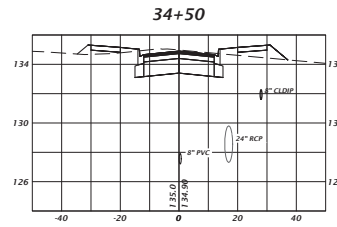
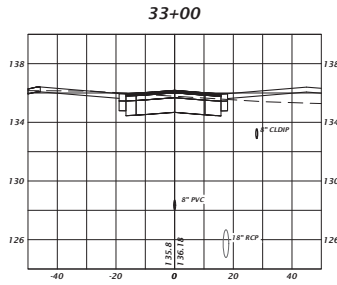
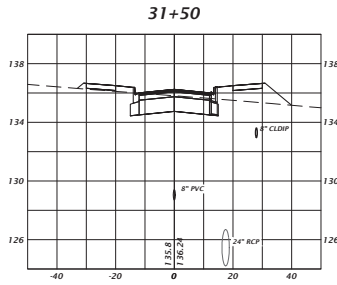
FL. PE. No. 94201
C6.00



STREET A



CIVIL ENGINEERING ARCHITECTURE SURVEYING LANDSCAPE ARCHITECTURE PLANNING ENVIRONMENTAL ENGINEERING CONSTRUCTION MANAGEMENT	
15200 UNIVERSITY BLVD SUITE 100 GAINESVILLE, FL 32608 TEL: 352-336-7000 FAX: 352-336-7001 WWW.CHWFLA.COM	
PROJECT: ST. JOHNS AVENUE, CITY OF GAINESVILLE, FL DRAWING: ST. JOHNS AVENUE, CITY OF GAINESVILLE, FL SHEET: ST. JOHNS AVENUE, CITY OF GAINESVILLE, FL	
PREPARED BY: E. WALKER CHECKED BY: E. WALKER DATE: 11/11/11	
PROJECT NO.: 21-0295.05 SHEET NO.: C6.02	
WALKER FAN OHEN Professional Engineer State of Florida Registration No. 94201 This drawing was prepared by Walker Fan Ohen, PE, at the time of his registration.	
Printed copies of this drawing are available for purchase. Contact the office for more information.	
FL PE No. 94201	



ALLEN ENGINEERING & ARCHITECTURE
INCORPORATED
1000 W. 10TH ST.
WICHITA, KS 67202
PH: 316-261-1111
WWW.AEAKA.COM

CHW
CIVIL ENGINEERS

STATE OF KANSAS
REGISTERED PROFESSIONAL ENGINEER
NO. 10000
CIVIL ENGINEERING

PROJECT: STREETS 30+00 TO 34+50
SHEET NO. 21-0295.05

APPROVED FOR THE CITY OF GARDENHILL, KS
CITY ENGINEER
DATE: 10/20/23

DESIGNED BY: E. WALKER
CHECKED BY: E. WALKER
DATE: 10/20/23

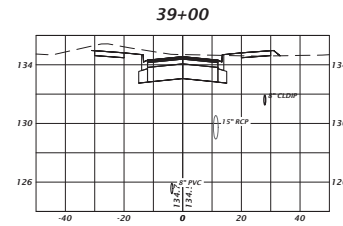
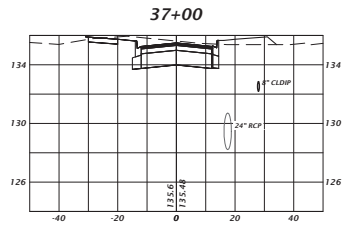
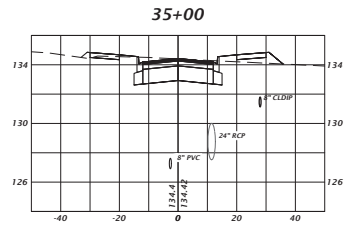
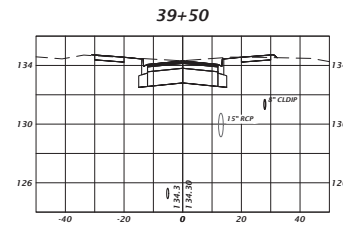
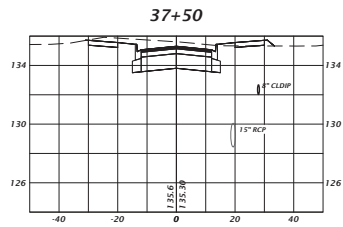
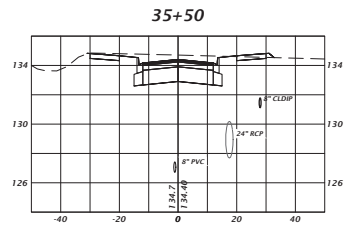
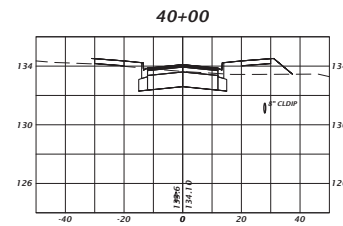
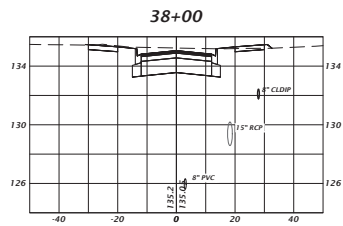
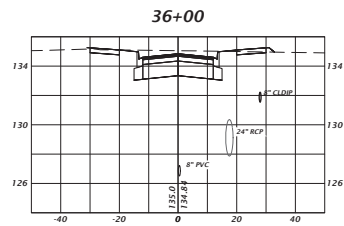
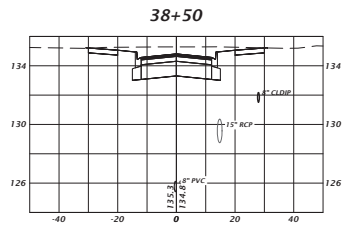
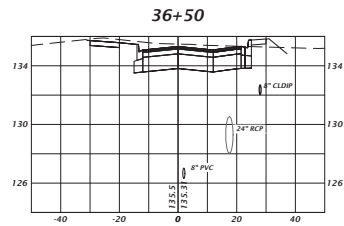
PROJECT: STREETS 30+00 TO 34+50
SHEET NO. 21-0295.05

DESIGNED BY: E. WALKER
CHECKED BY: E. WALKER
DATE: 10/20/23

PROJECT: STREETS 30+00 TO 34+50
SHEET NO. 21-0295.05

STREET B

FL PE No. 94201
C6.03



STREET B



ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED EXCEPT WHERE SHOWN OTHERWISE

CH2M
Hill

DATE: 12/22/05
DRAWN BY: J. WALKER
CHECKED BY: J. WALKER
APPROVED BY: J. WALKER

PROJECT: ST. LOUIS
LOCATION: ST. LOUIS, MISSOURI
DRAWING NO.: 21-0293.05

CONTRACT NO.: 21-0293.05
CONTRACT DESCRIPTION: ST. LOUIS
CONTRACT DATE: 12/22/05

COMMUNITY DEVELOPMENT AGENCY: ST. LOUIS
PROJECT: ST. LOUIS
PROJECT NO.: 21-0293.05

DESIGNER: J. WALKER
DATE: 12/22/05
DRAWN BY: J. WALKER
CHECKED BY: J. WALKER
APPROVED BY: J. WALKER

FL. PE. No. 94201
C6.04